

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059185.D
 Acq On : 12 Nov 2019 13:17
 Operator : JC/SP
 Sample : VN1112MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:45 PM

Quant Time: Nov 13 06:24:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	405581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	582364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	266166	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.57	113	206950	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.08	98	778646	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.40	95	273433	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	76577	18.739	ug/l 99
3) Chloromethane	2.04	50	105914	19.067	ug/l 99
4) Vinyl Chloride	2.17	62	107687	19.996	ug/l 100
5) Bromomethane	2.54	94	63126	20.369	ug/l 98
6) Chloroethane	2.68	64	65486	20.556	ug/l 99
7) Trichlorofluoromethane	3.00	101	135114	20.975	ug/l 99
8) Diethyl Ether	3.39	74	51454	19.659	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78409	20.188	ug/l 100
10) Methyl Iodide	3.93	142	93732	19.497	ug/l 100
11) Tert butyl alcohol	4.75	59	102892	108.290	ug/l 99
12) 1,1-Dichloroethene	3.71	96	75661	19.998	ug/l 96
13) Acrolein	3.58	56	36577	74.665	ug/l 98
14) Allyl chloride	4.29	41	151770	19.529	ug/l 98
15) Acrylonitrile	4.96	53	246800	104.373	ug/l 98
16) Acetone	3.79	43	256587	98.968	ug/l 98
17) Carbon Disulfide	4.03	76	207458	17.664	ug/l 99
18) Methyl Acetate	4.30	43	137062	22.273	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	268541	20.616	ug/l 100
20) Methylene Chloride	4.52	84	92545	20.489	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	81455	20.057	ug/l 95
22) Diisopropyl ether	5.92	45	309540	21.086	ug/l 94
23) Vinyl Acetate	5.87	43	1267043	111.370	ug/l 100
24) 1,1-Dichloroethane	5.82	63	170465	20.791	ug/l 99
25) 2-Butanone	6.81	43	357831	104.723	ug/l 99
26) 2,2-Dichloropropane	6.80	77	143156	19.968	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	96749	20.534	ug/l 100
28) Bromochloromethane	7.17	49	52566	21.310	ug/l 99
29) Tetrahydrofuran	7.19	42	237376	109.334	ug/l 99
30) Chloroform	7.35	83	167842	21.340	ug/l 97
31) Cyclohexane	7.63	56	146575	18.884	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	142489	21.548	ug/l 99
36) 1,1-Dichloropropene	7.77	75	120565	20.195	ug/l 99
37) Ethyl Acetate	6.90	43	144122	21.700	ug/l 99
38) Carbon Tetrachloride	7.75	117	121411	20.432	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	135246	19.519	ug/l	97
40) Benzene	8.02	78	367832	20.460	ug/l	99
41) Methacrylonitrile	7.14	41	49858m	17.264	ug/l	
42) 1,2-Dichloroethane	8.10	62	133148	21.594	ug/l	98
43) Isopropyl Acetate	8.14	43	219789	20.758	ug/l	100
44) Trichloroethene	8.82	130	88961	20.130	ug/l	98
45) 1,2-Dichloropropane	9.10	63	101386	20.762	ug/l	98
46) Dibromomethane	9.19	93	63433	20.846	ug/l	97
47) Bromodichloromethane	9.39	83	130378	21.457	ug/l	100
48) Methyl methacrylate	9.18	41	100569	21.234	ug/l	97
49) 1,4-Dioxane	9.18	88	36135	429.320	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	714072	119.188	ug/l	98
52) Toluene	10.14	92	224246	20.811	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141866	20.209	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154917	20.515	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	93879	21.527	ug/l	99
56) Ethyl methacrylate	10.42	69	135814	19.846	ug/l	98
57) 1,3-Dichloropropane	10.70	76	158835	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	269588	111.079	ug/l	100
59) 2-Hexanone	10.74	43	520634	113.219	ug/l	98
60) Dibromochloromethane	10.90	129	98159	21.289	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92086	20.859	ug/l	99
64) Tetrachloroethene	10.62	164	79063	19.965	ug/l	98
65) Chlorobenzene	11.43	112	235654	20.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90626	21.281	ug/l	99
67) Ethyl Benzene	11.51	91	415195	20.613	ug/l	99
68) m/p-Xylenes	11.62	106	306108	40.571	ug/l	98
69) o-Xylene	11.95	106	146818	20.136	ug/l	100
70) Styrene	11.96	104	233398	20.353	ug/l	99
71) Bromoform	12.13	173	69160	20.878	ug/l #	99
73) Isopropylbenzene	12.25	105	400554	20.855	ug/l	100
74) N-amyl acetate	12.07	43	170198	20.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	143329	21.913	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135216m	22.493	ug/l	
77) Bromobenzene	12.53	156	98105	20.331	ug/l	100
78) n-propylbenzene	12.59	91	464070	21.102	ug/l	100
79) 2-Chlorotoluene	12.67	91	280069	20.529	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333850	20.513	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45872	20.155	ug/l	94
82) 4-Chlorotoluene	12.77	91	279079	20.396	ug/l	99
83) tert-Butylbenzene	12.99	119	289748	20.616	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	327887	20.824	ug/l	100
85) sec-Butylbenzene	13.17	105	378392	20.701	ug/l	100
86) p-Isopropyltoluene	13.29	119	332729	20.616	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	168499	20.391	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	166098	20.090	ug/l	99
89) n-Butylbenzene	13.62	91	277154	19.620	ug/l	99
90) Hexachloroethane	13.88	117	64924	20.033	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	168990	20.789	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28842	22.117	ug/l	93

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QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84714	19.177	µg/l	97
94) Hexachlorobutadiene	15.01	225	56044	19.996	µg/l	99
95) Naphthalene	15.13	128	224411	18.447	µg/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	87983	19.314	µg/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

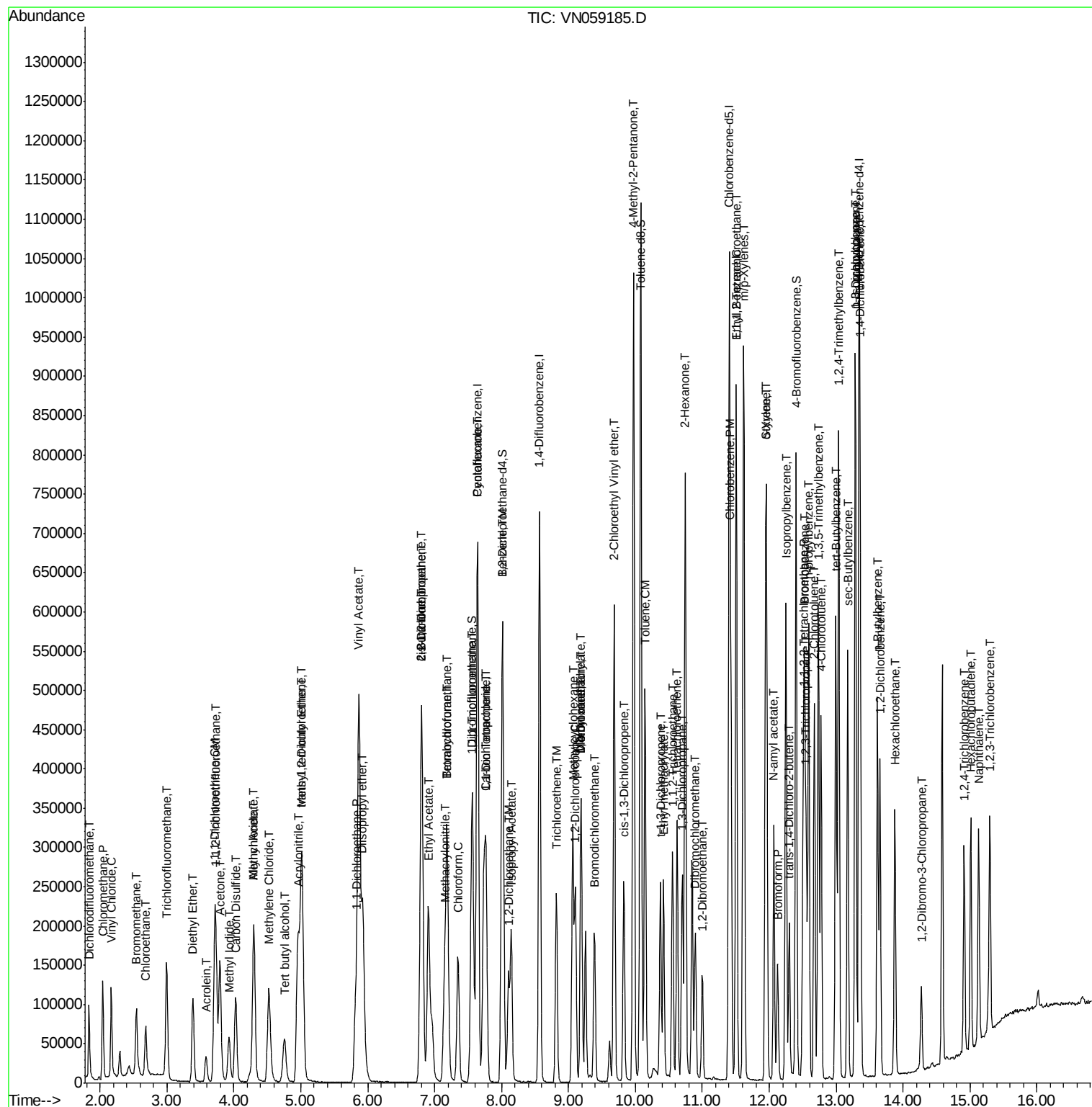
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 Data File : VN059185.D
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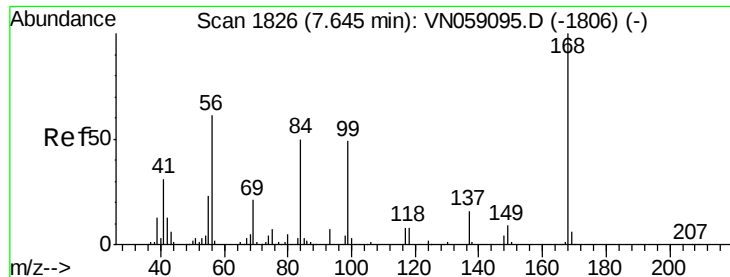
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion:168 Resp: 405581

Ion Ratio Lower Upper

168 100

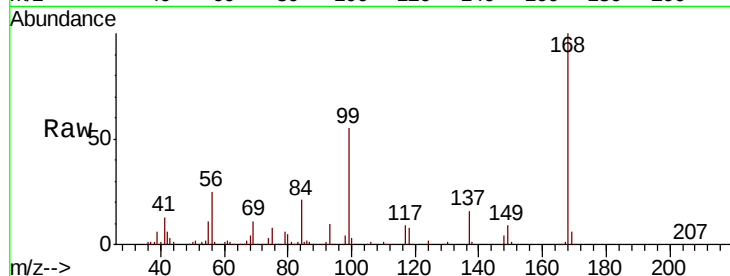
99 55.1 45.7 68.5

Manual Integrations

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11/13/2019 12:07:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

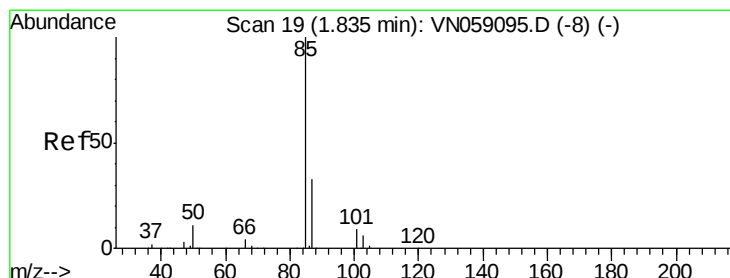
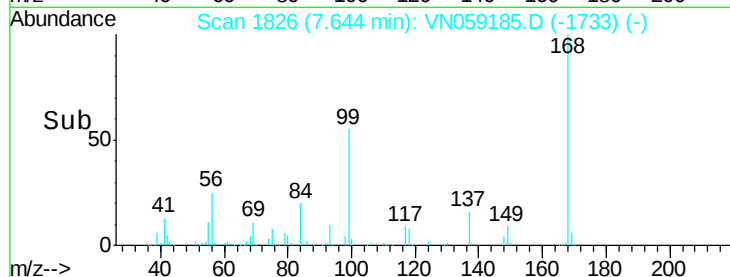
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.739 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059185.D

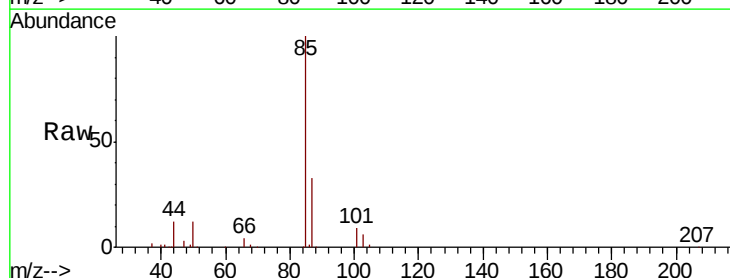
Acq: 12 Nov 2019 13:17

Tgt Ion: 85 Resp: 76577

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

50000

40000

30000

20000

10000

0

1.75

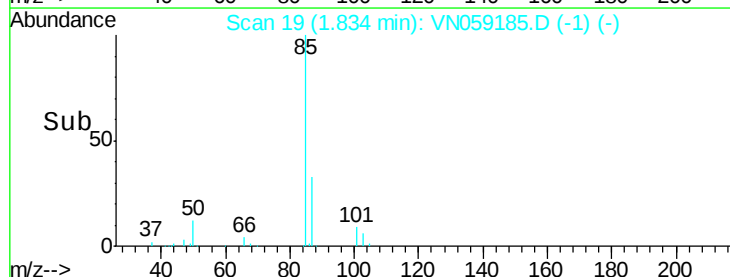
1.80

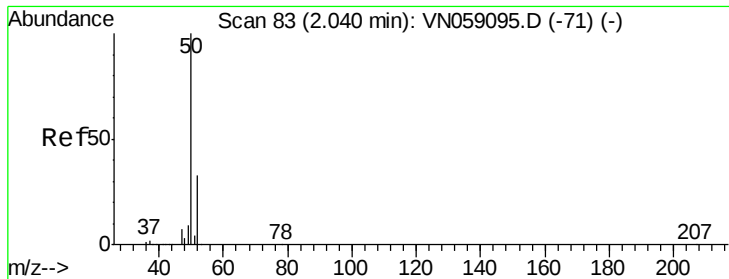
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.067 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 50 Resp: 105914

Ion Ratio Lower Upper

50 100

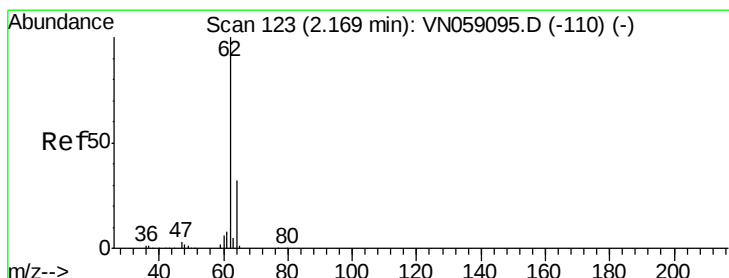
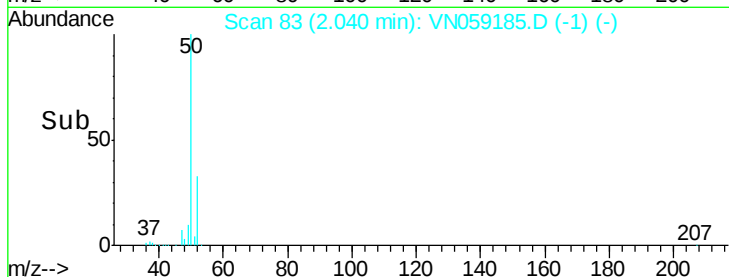
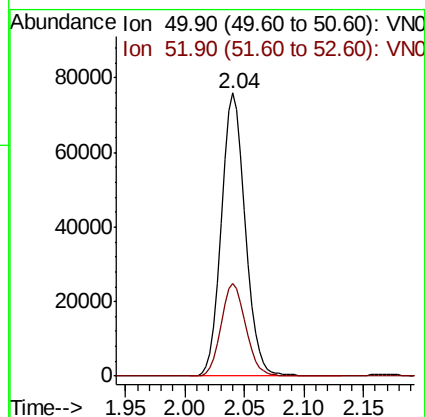
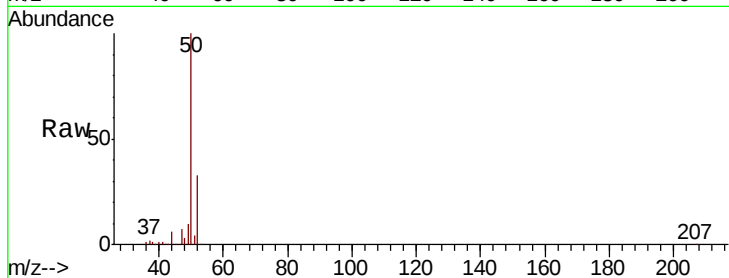
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.996 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059185.D

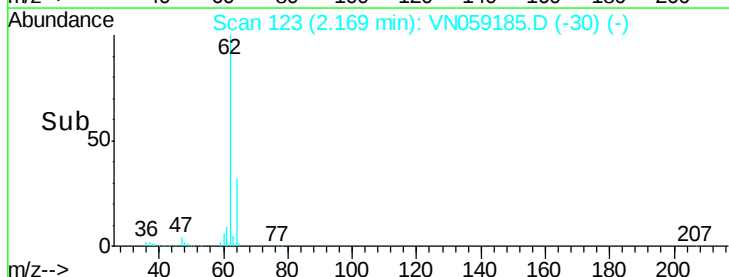
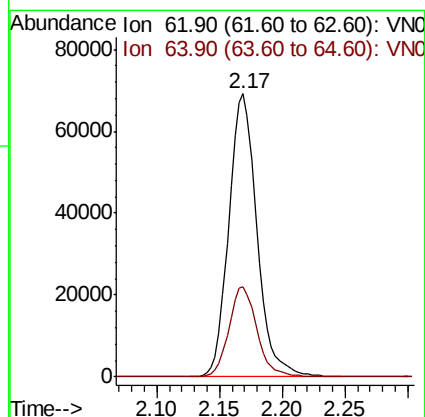
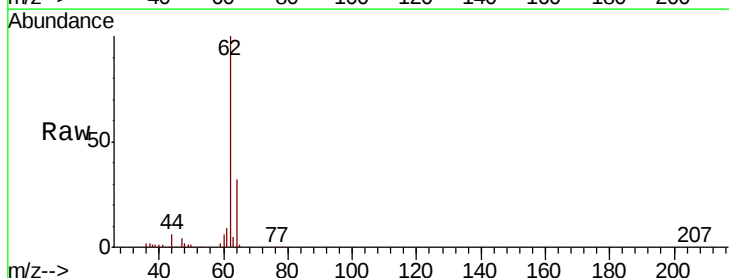
Acq: 12 Nov 2019 13:17

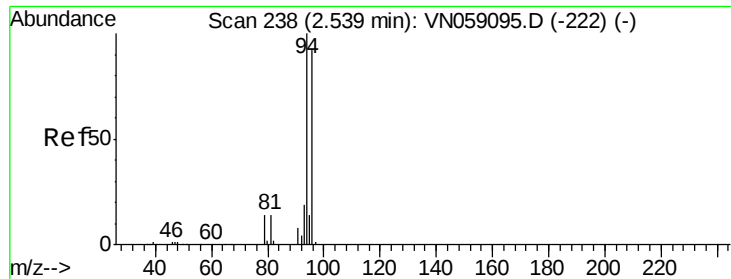
Tgt Ion: 62 Resp: 107687

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 20.369 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

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ClientSampleId :

VN1112MBS01

Tot Ion: 94 Resp: 63126

Ion Ratio Lower Upper

94 100

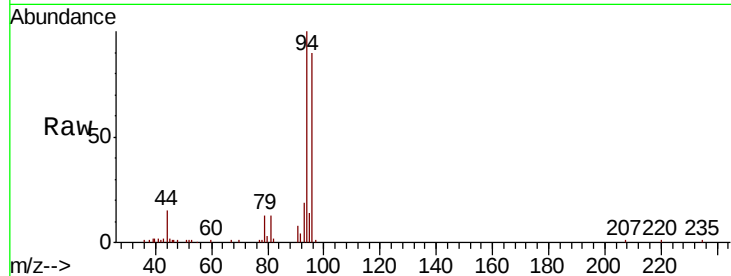
96 90.4 74.2 111.2

Manual Integrations

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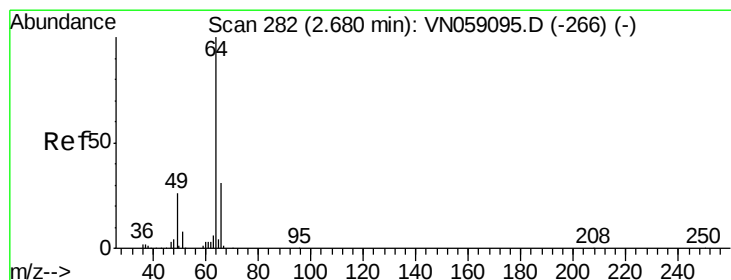
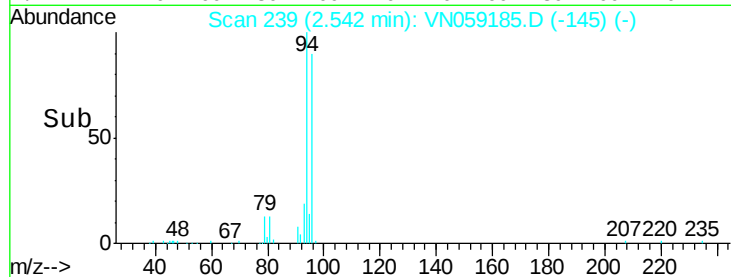
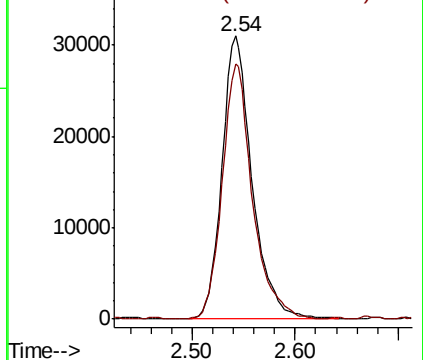
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.556 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059185.D

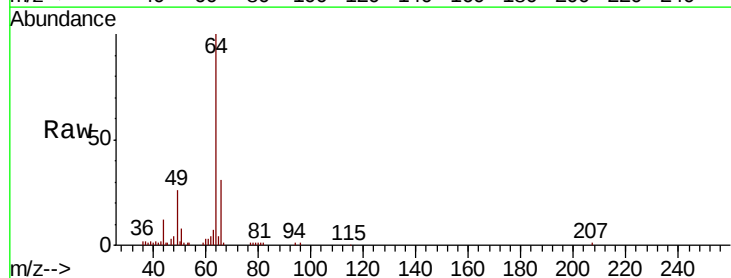
Acq: 12 Nov 2019 13:17

Tgt Ion: 64 Resp: 65486

Ion Ratio Lower Upper

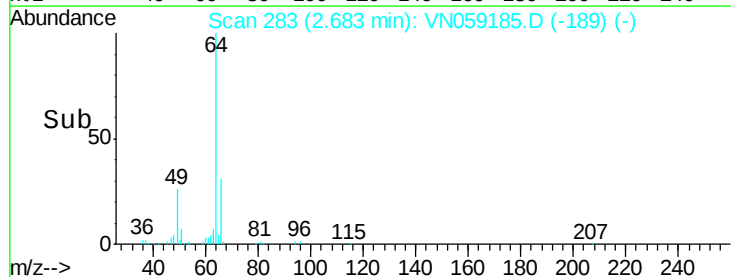
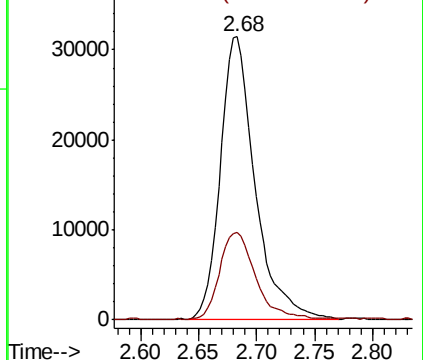
64 100

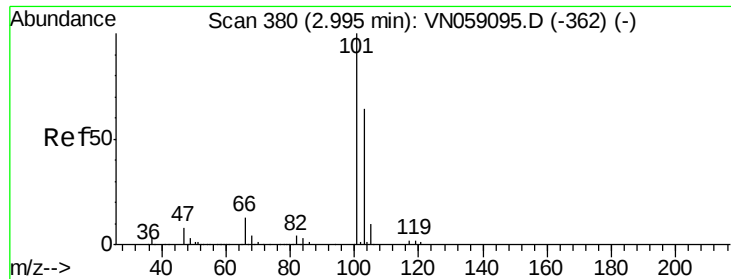
66 30.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

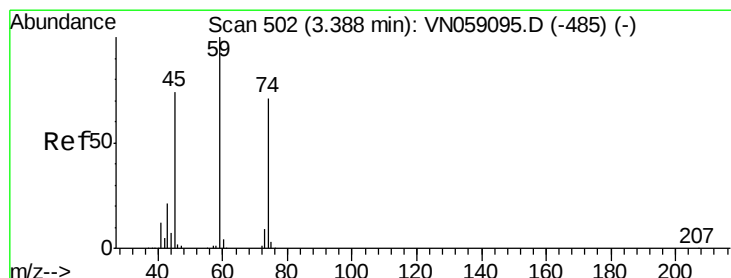
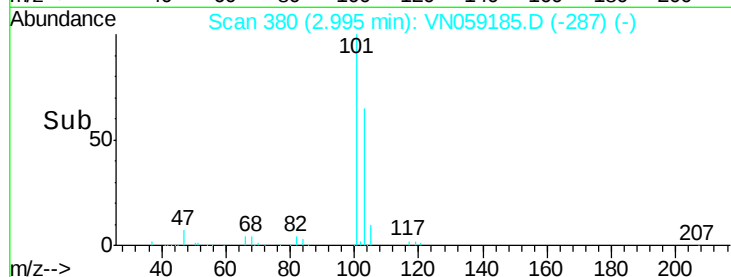
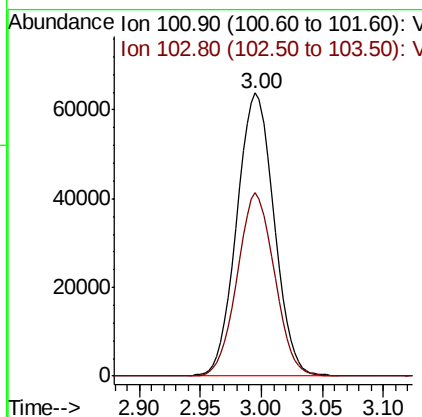
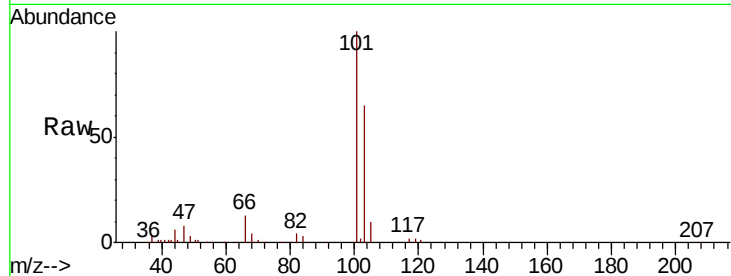
Trichlorofluoromethane
Concen: 20.975 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.2	76.8

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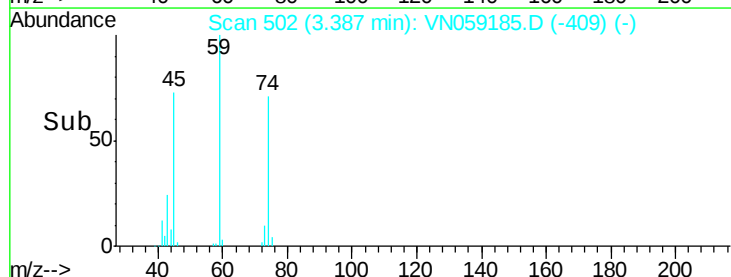
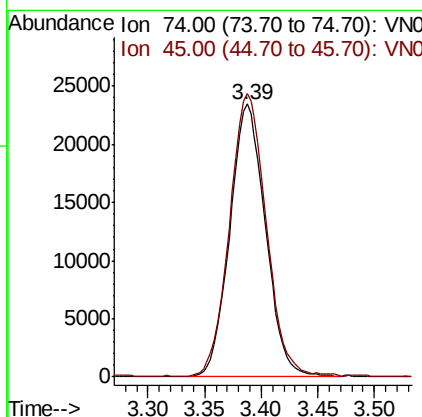
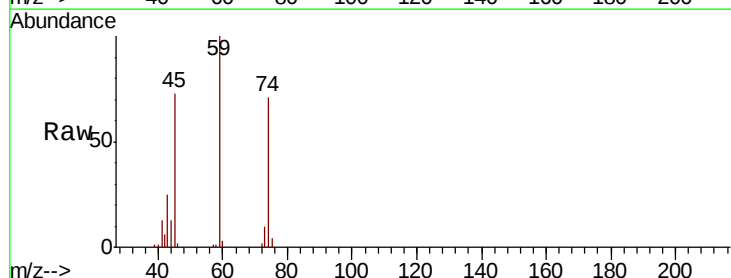
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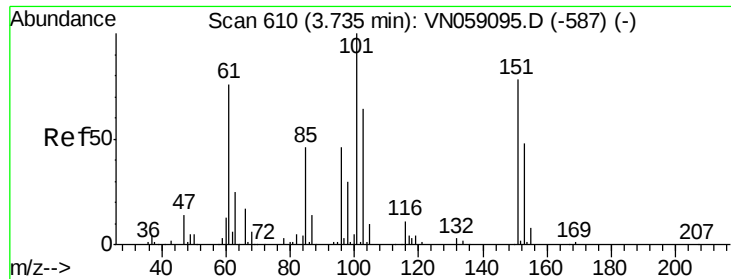


#8

Diethyl Ether
Concen: 19.659 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.188 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

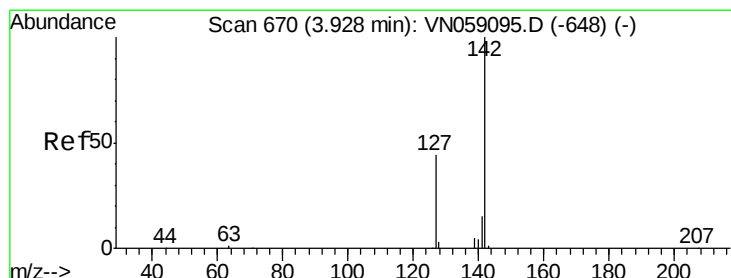
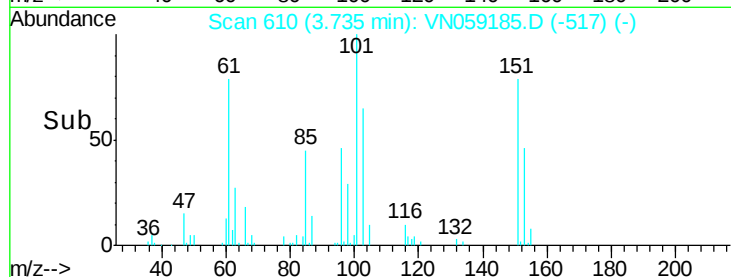
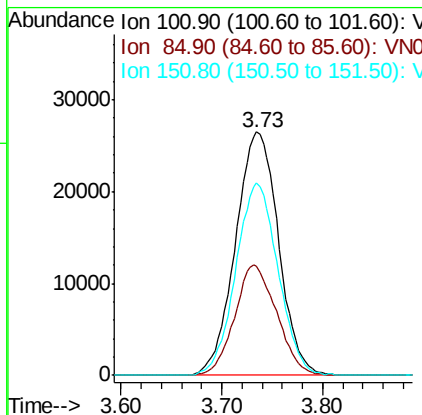
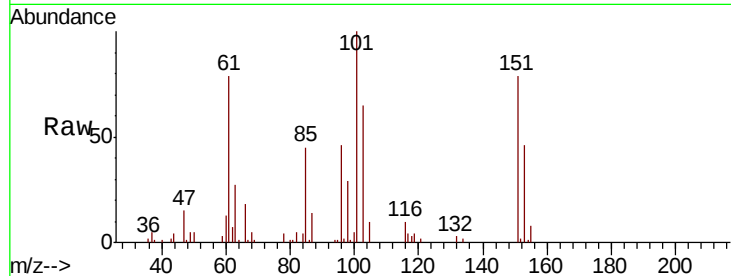
ClientSampleId :

VN1112MBS01

Tot Ion:	101	Resp:	78409
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.5	53.3
151	77.3	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.497 ug/l

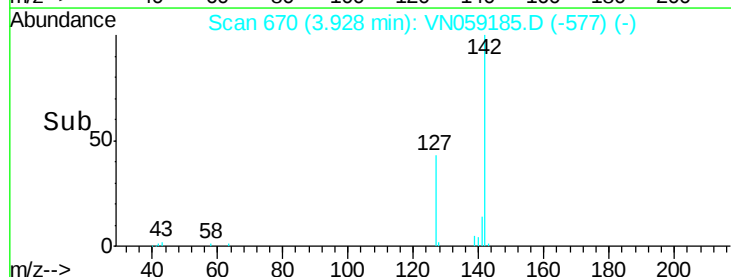
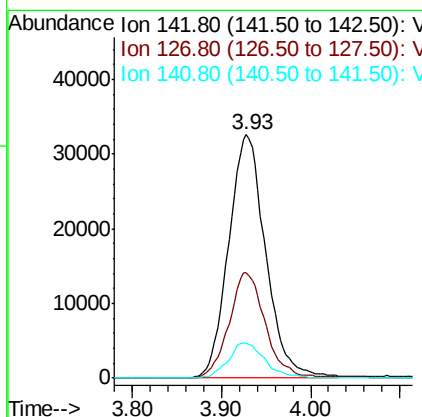
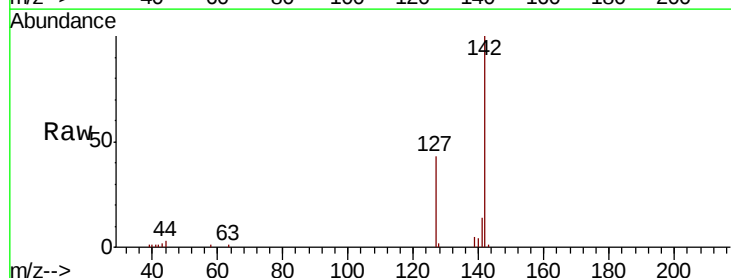
RT: 3.93 min Scan# 670

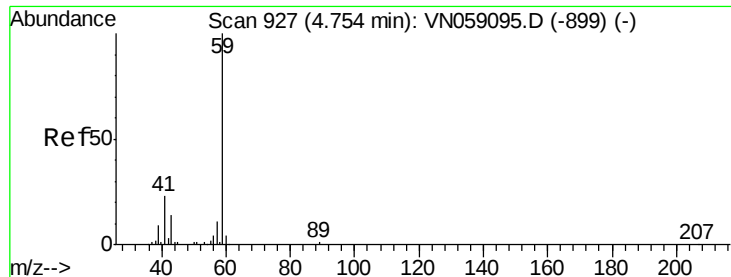
Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	142	Resp:	93732
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.2
141	14.3	11.4	17.0





#11

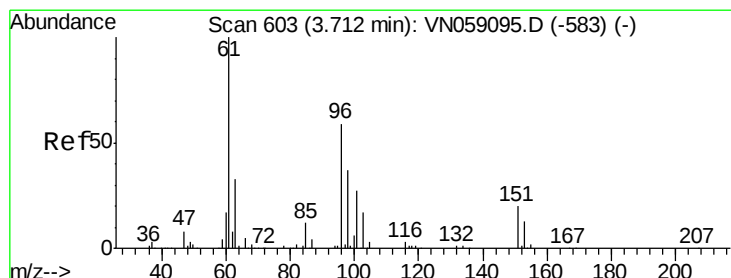
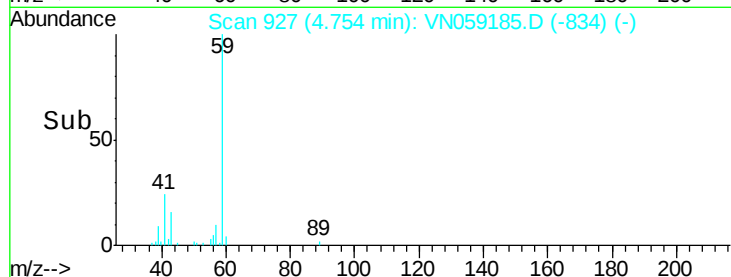
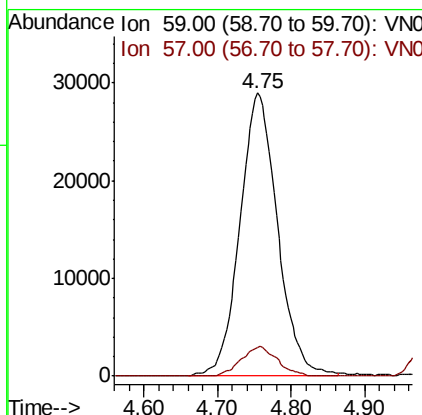
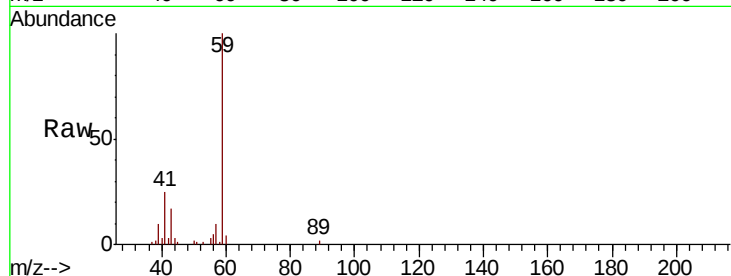
Tert butyl alcohol
Concen: 108.290 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
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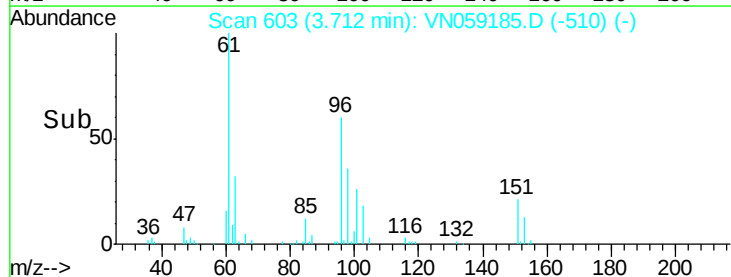
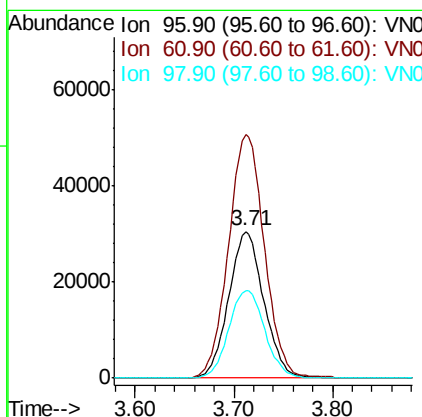
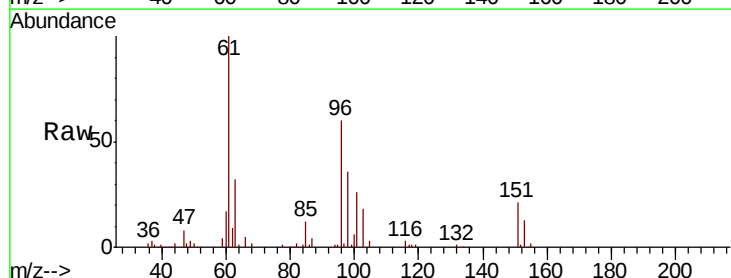
MMDadoda
11/13/2019 12:07:45 PM

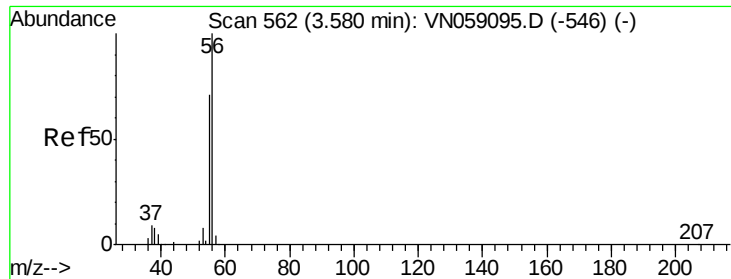


#12

1,1-Dichloroethene
Concen: 19.998 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	136.5	204.7
98	59.3	50.2	75.4





#13

Acrolein

Concen: 74.665 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 56 Resp: 36577

Ion Ratio Lower Upper

56 100

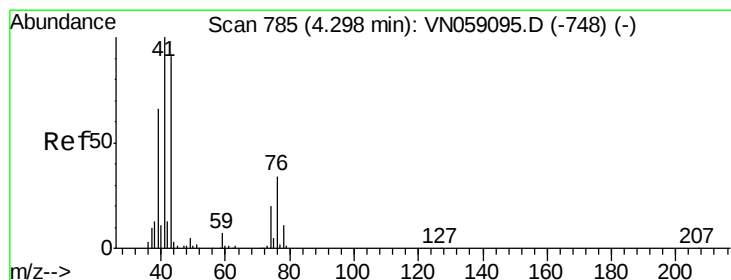
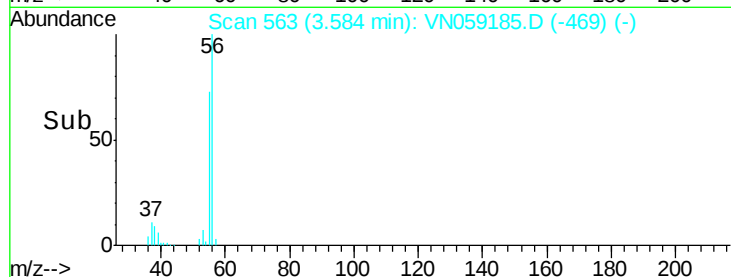
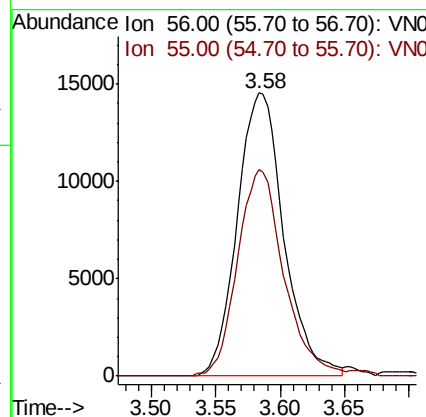
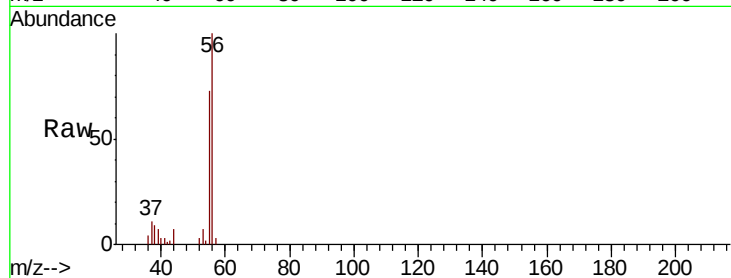
55 72.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.529 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

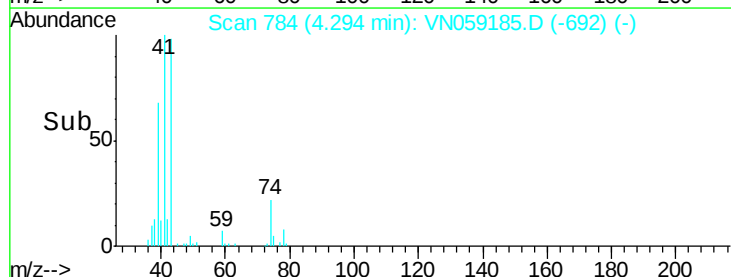
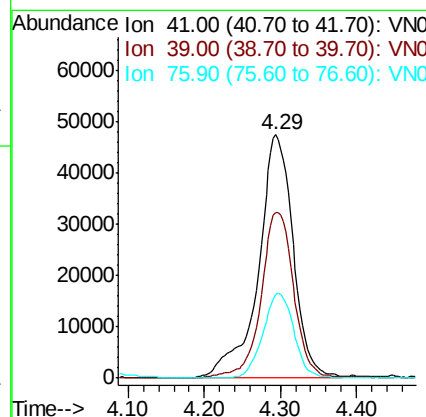
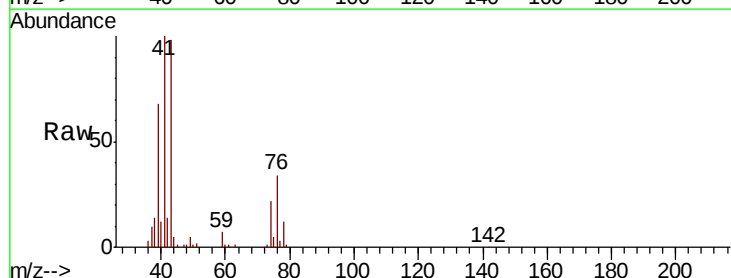
Tgt Ion: 41 Resp: 151770

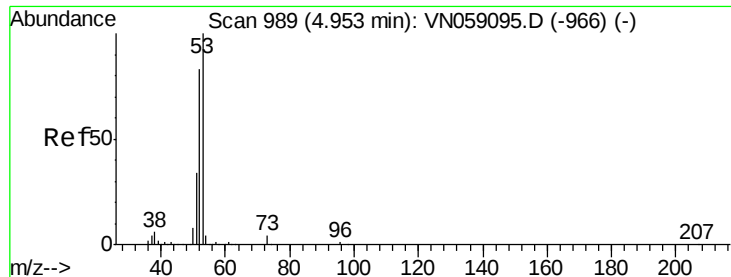
Ion Ratio Lower Upper

41 100

39 63.9 49.1 73.7

76 30.9 24.9 37.3





#15

Acrylonitrile

Concen: 104.373 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

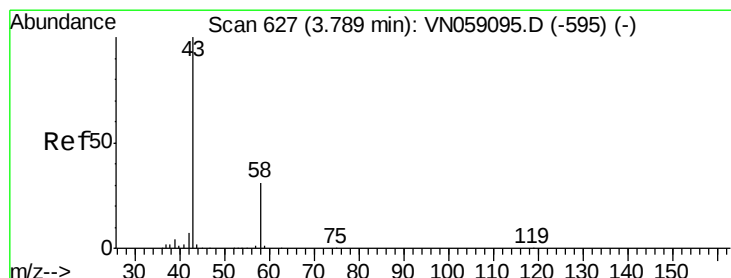
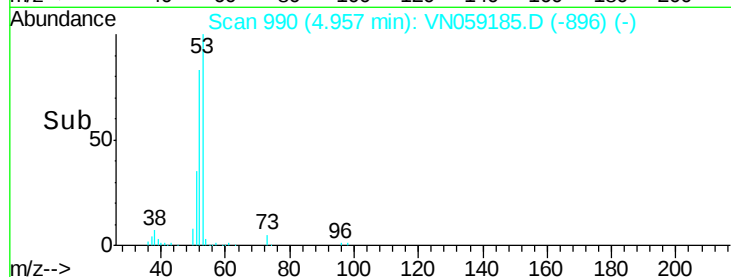
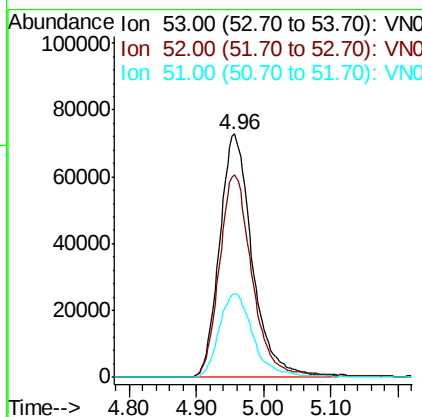
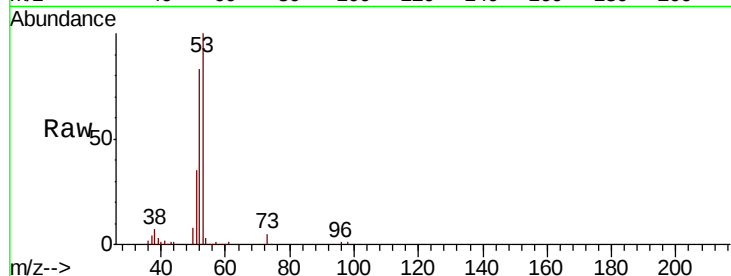
ClientSampleId :

VN1112MBS01

Tot Ion:	53	Resp:	246800
Ion Ratio		Lower	Upper
53	100		
52	83.4	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 98.968 ug/l

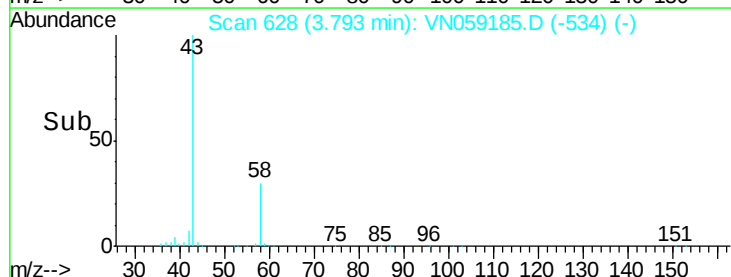
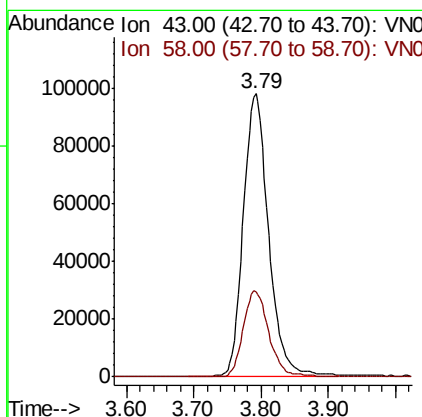
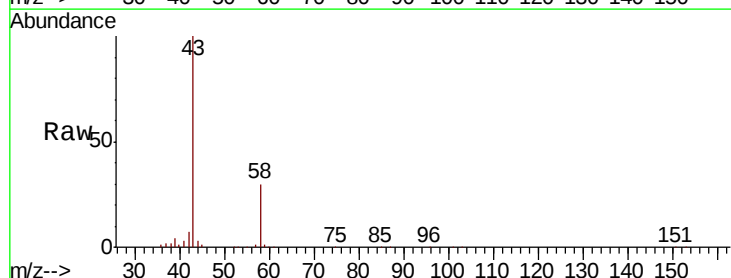
RT: 3.79 min Scan# 628

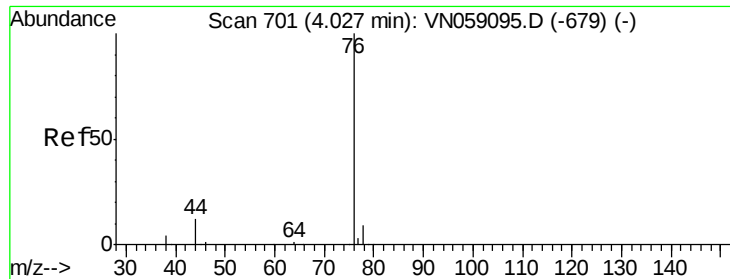
Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	43	Resp:	256587
Ion Ratio		Lower	Upper
43	100		
58	30.0	24.9	37.3





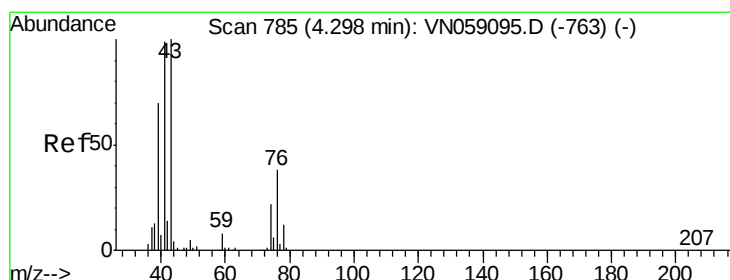
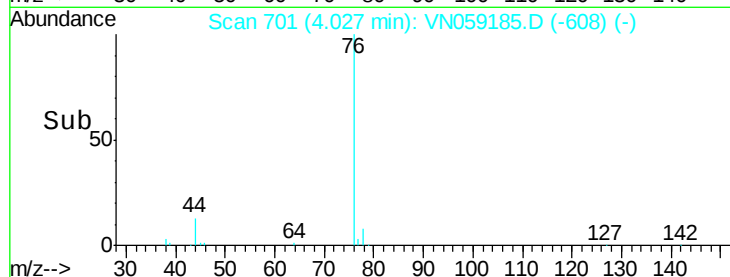
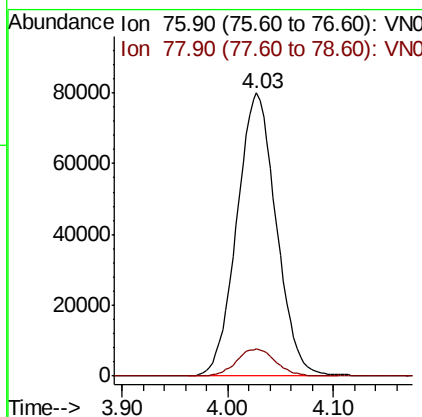
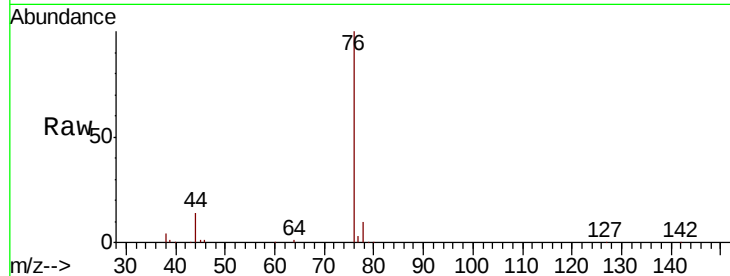
#17
Carbon Disulfide
Concen: 17.664 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

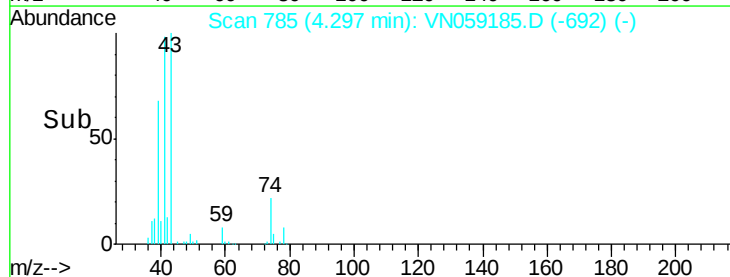
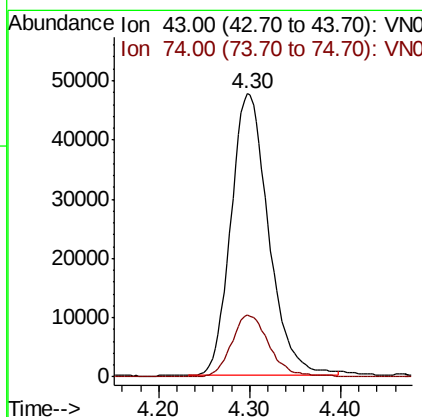
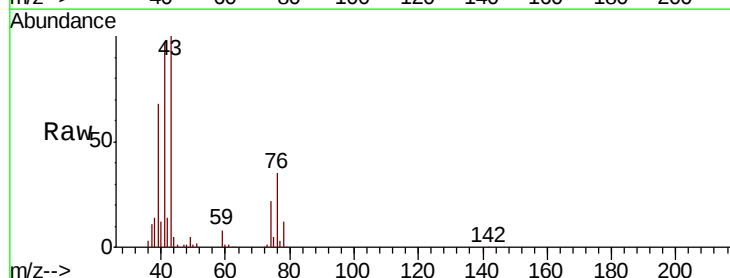
Manual Integrations
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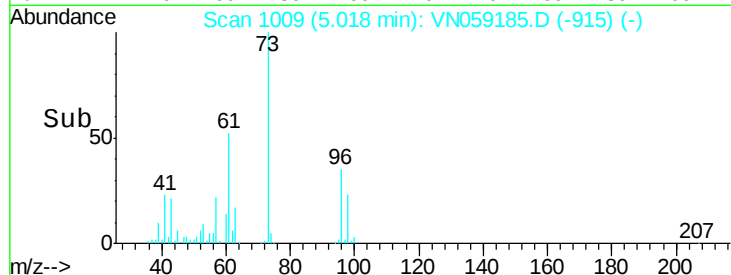
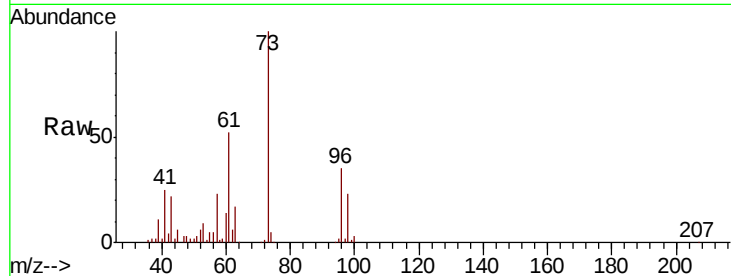
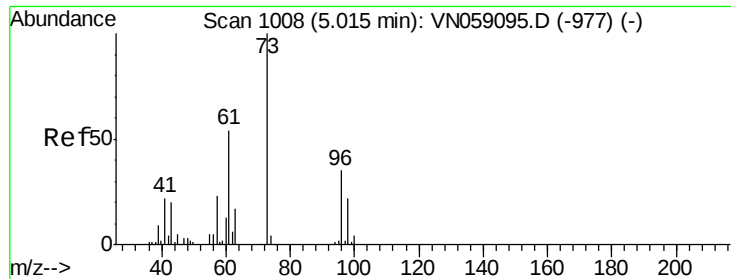
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#18
Methyl Acetate
Concen: 22.273 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.8	26.8





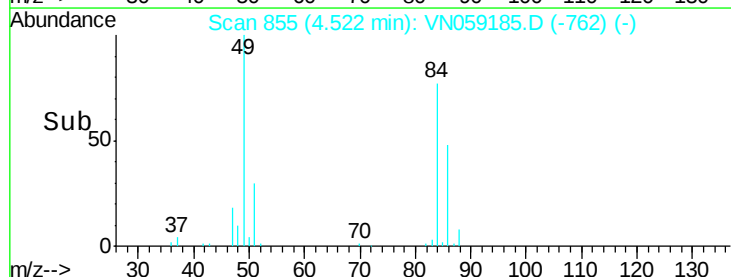
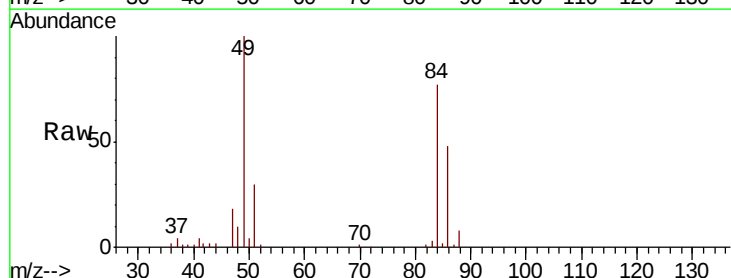
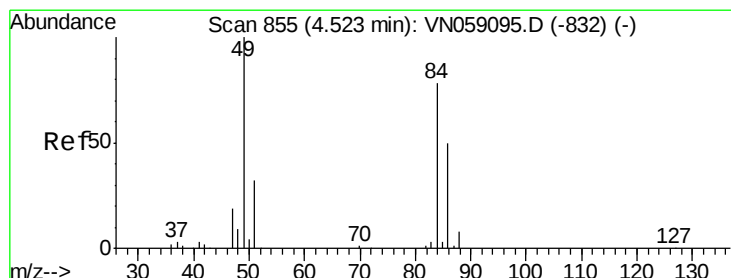
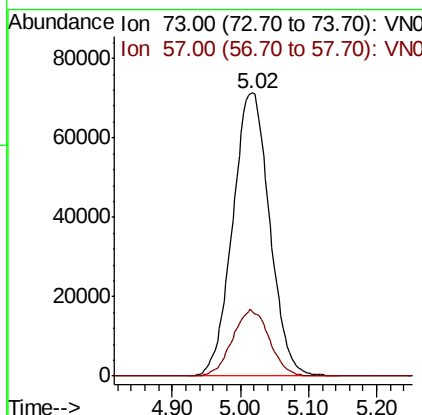
#19
Methvl tert-butvl Ether
Concen: 20.616 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tot Ion: 73 Resp: 268541
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

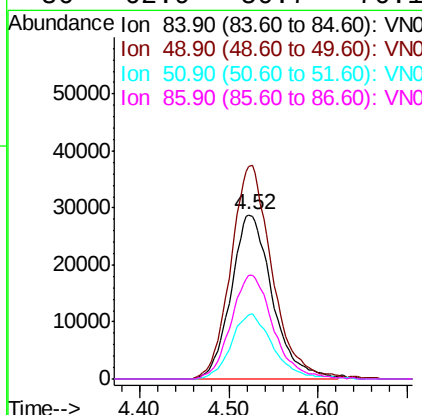
Manual Integrations
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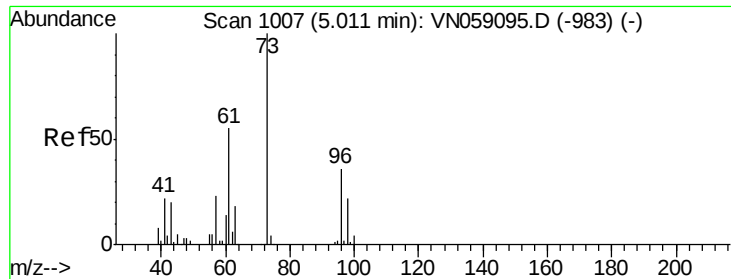
MMDadoda
11/13/2019 12:07:45 PM



#20
Methylene Chloride
Concen: 20.489 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 84 Resp: 92545
Ion Ratio Lower Upper
84 100
49 129.8 102.0 153.0
51 39.3 32.2 48.2
86 62.9 50.7 76.1





#21

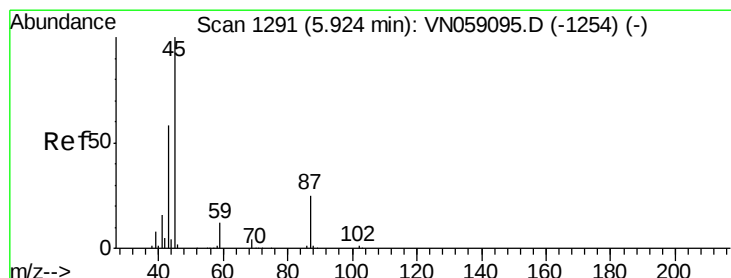
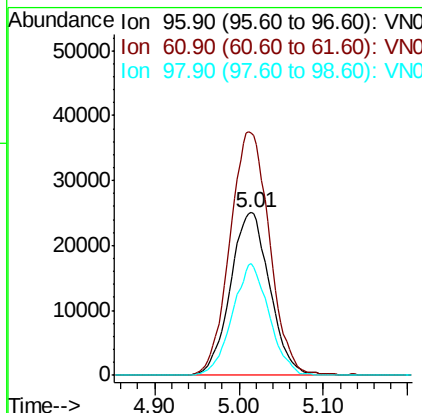
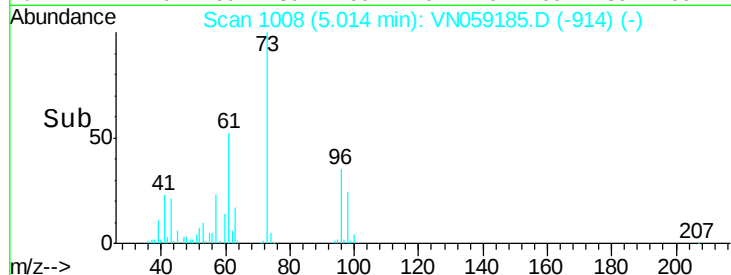
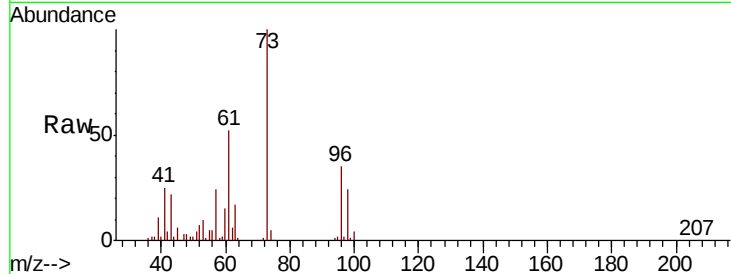
trans-1,2-Dichloroethene
Concen: 20.057 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	122.6	183.8
98	69.1	50.3	75.5

Manual Integrations
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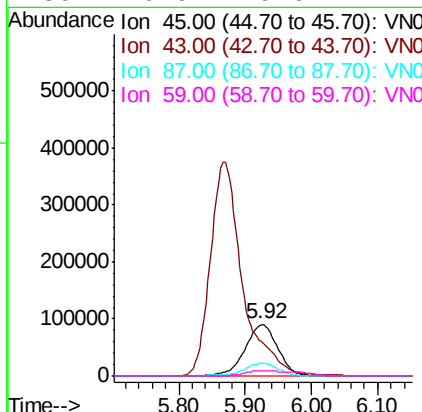
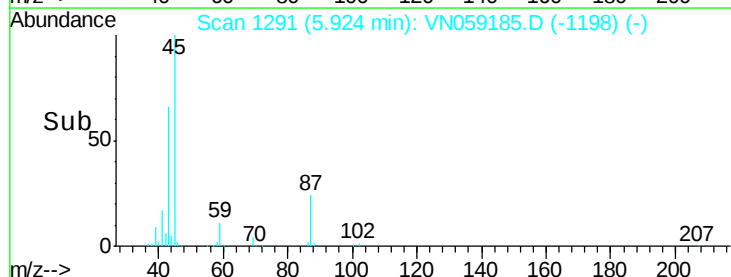
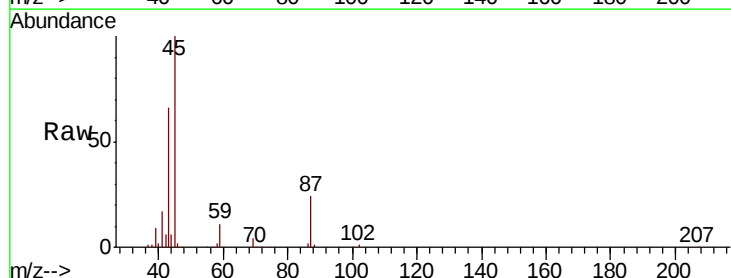
MMDadoda
11/13/2019 12:07:45 PM

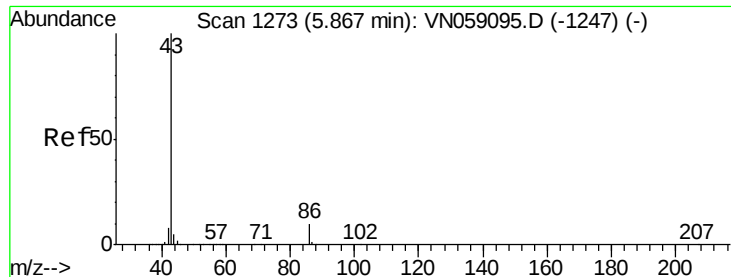


#22

Diisopropyl ether
Concen: 21.086 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	46.7	70.1
87	24.1	20.5	30.7
59	10.9	9.6	14.4





#23

Vinyl Acetate

Concen: 111.370 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 43 Resp: 1267043

Ion Ratio Lower Upper

43 100

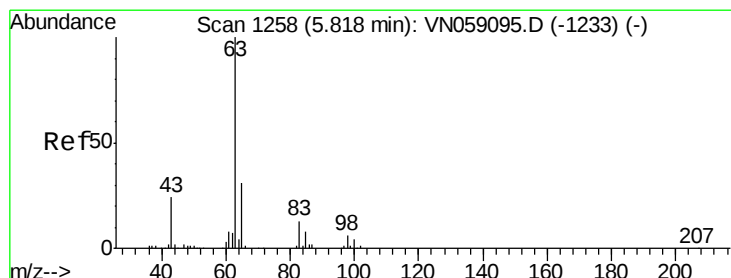
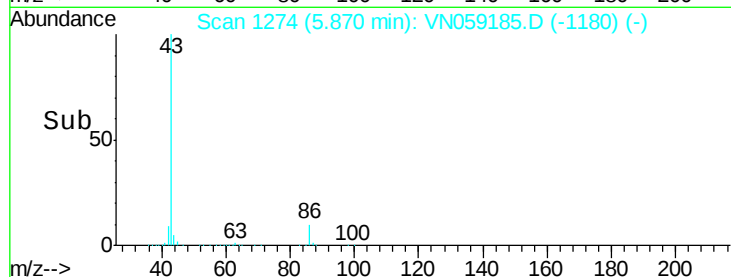
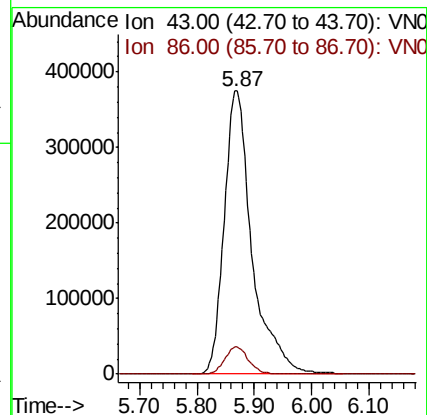
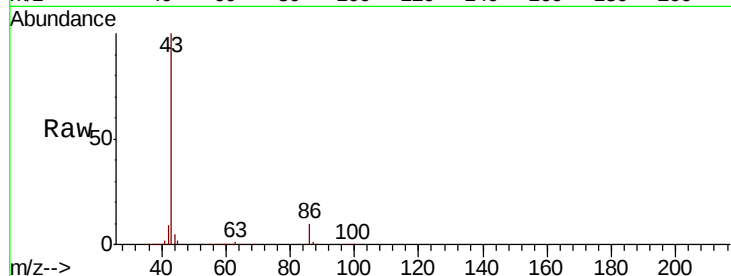
86 9.6 7.7 11.5

Manual Integrations

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11/13/2019 12:07:45 PM



#24

1,1-Dichloroethane

Concen: 20.791 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

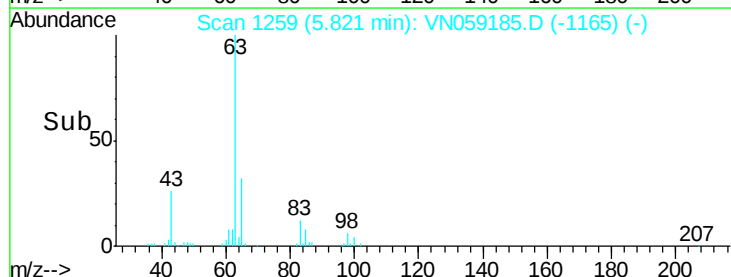
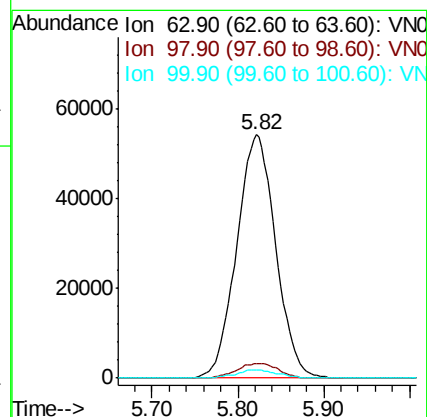
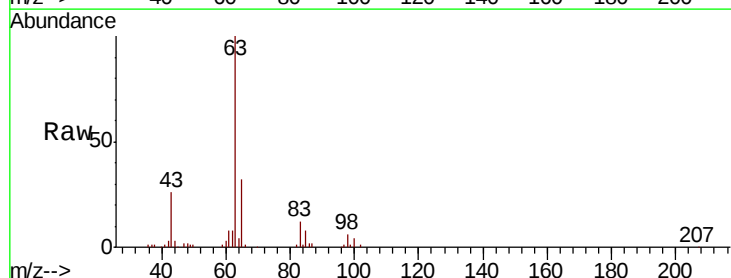
Tgt Ion: 63 Resp: 170465

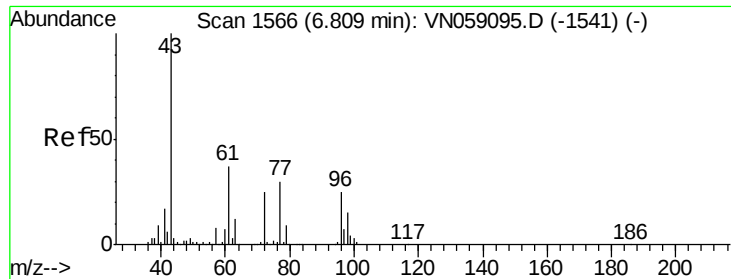
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.6 1.9 5.7





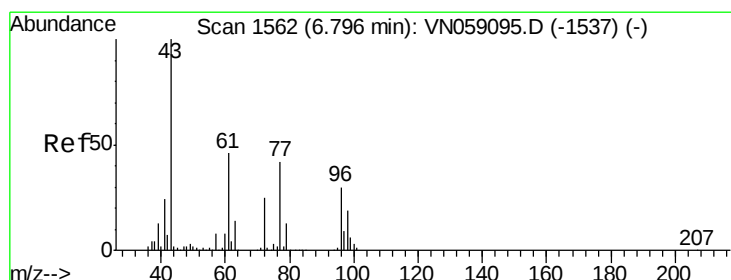
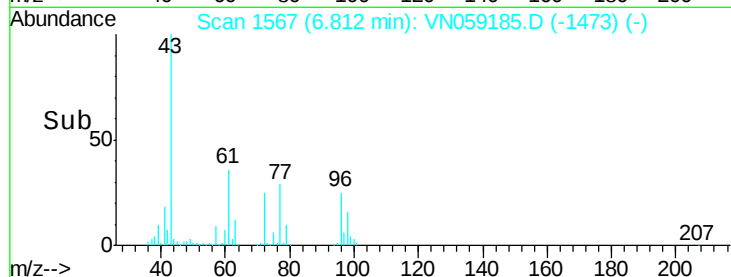
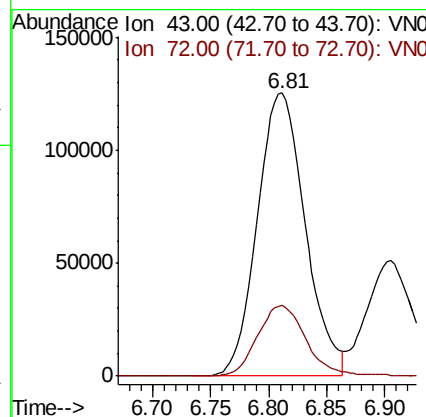
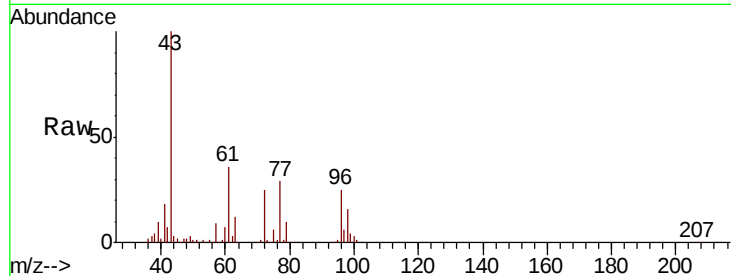
#25
2-Butanone
Concen: 104.723 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion: 43 Resp: 357831
Ion Ratio Lower Upper
43 100
72 25.0 20.3 30.5

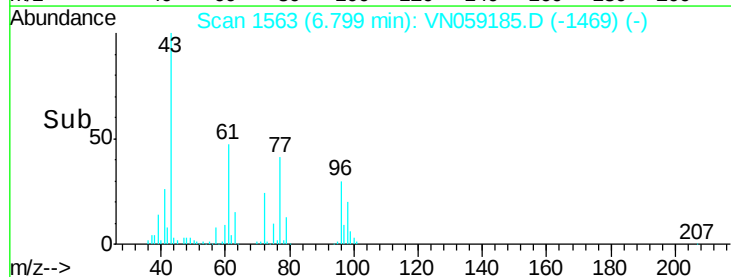
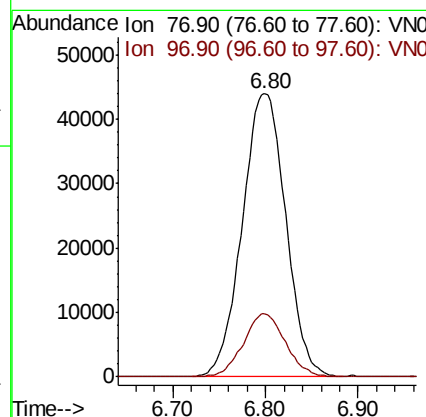
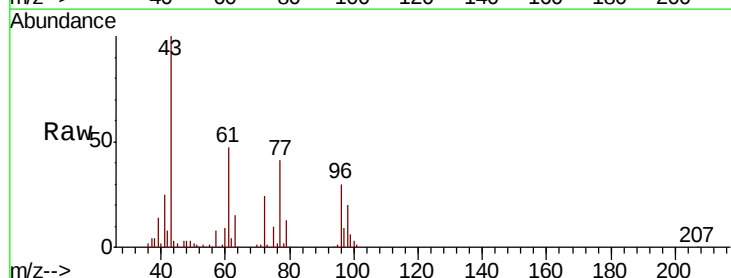
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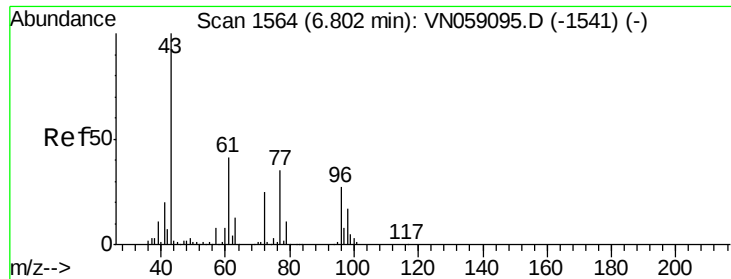
MMDadoda
11/13/2019 12:07:45 PM



#26
2,2-Dichloropropane
Concen: 19.968 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 77 Resp: 143156
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.534 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

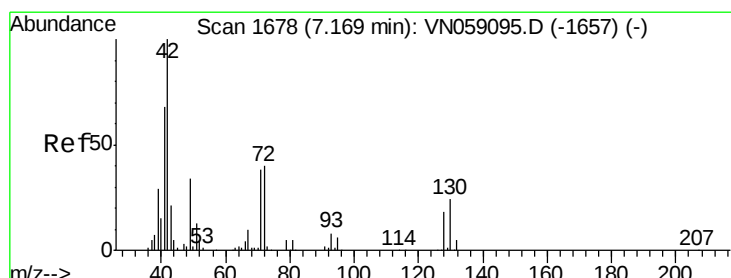
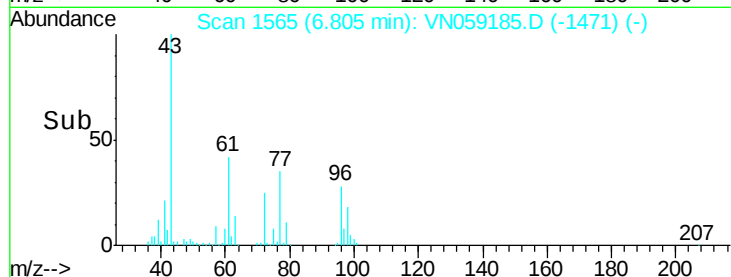
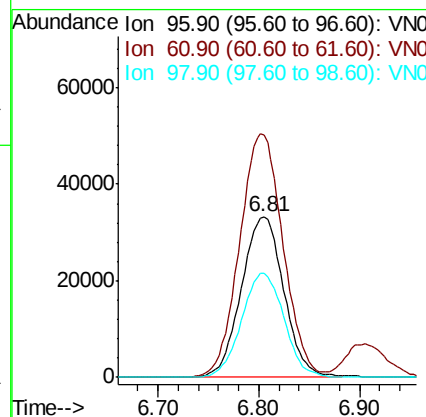
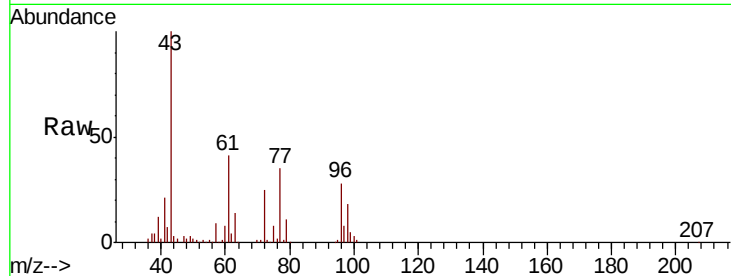
ClientSampleId :

VN1112MBS01

Tot Ion:	96	Resp:	96749
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	311.6
98	64.9	0.0	129.8

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#28

Bromochloromethane

Concen: 21.310 ug/l

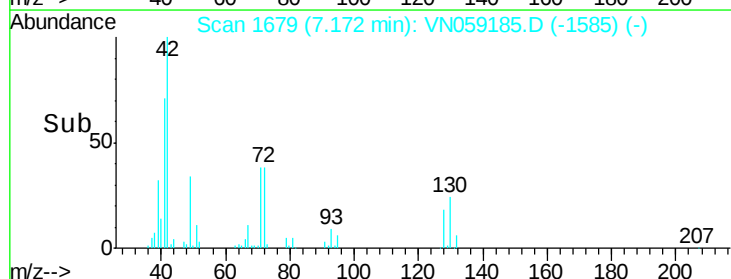
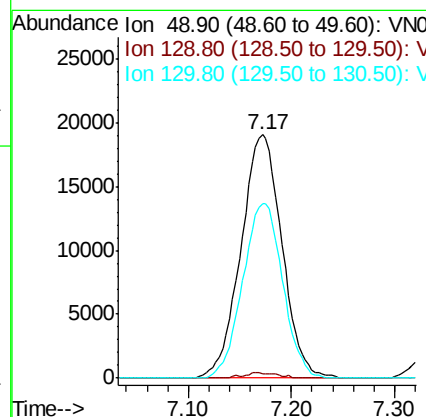
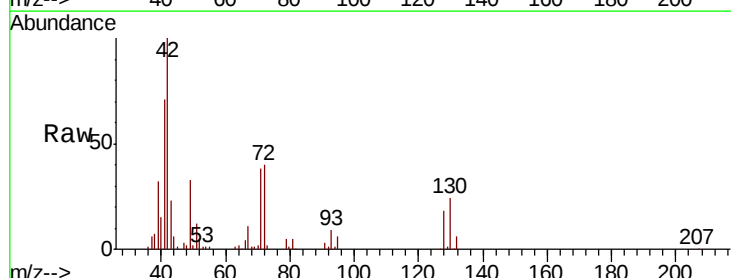
RT: 7.17 min Scan# 1679

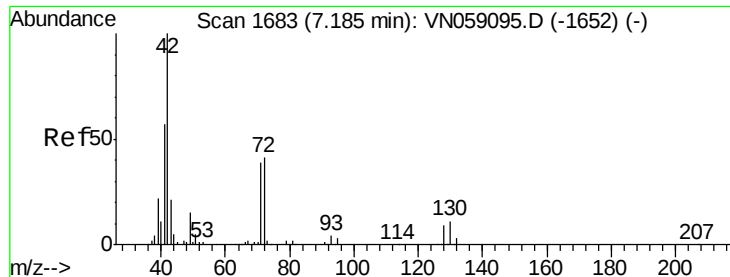
Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	49	Resp:	52566
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	70.0	55.6	83.4





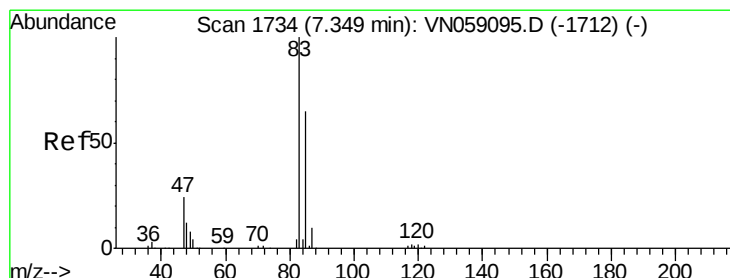
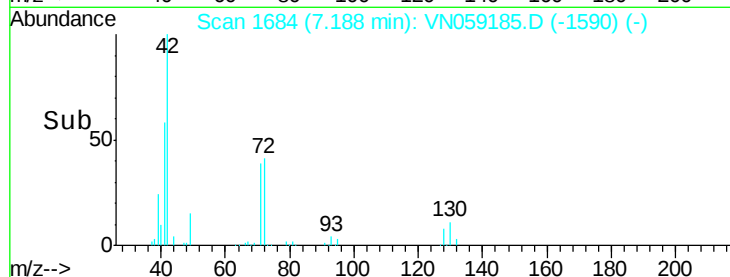
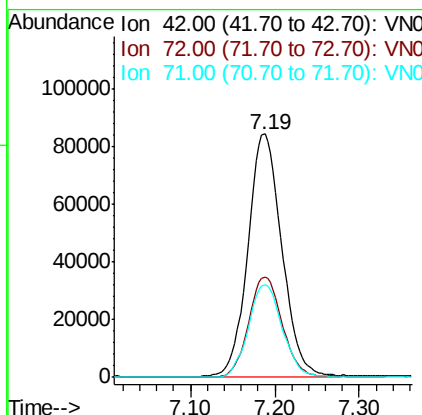
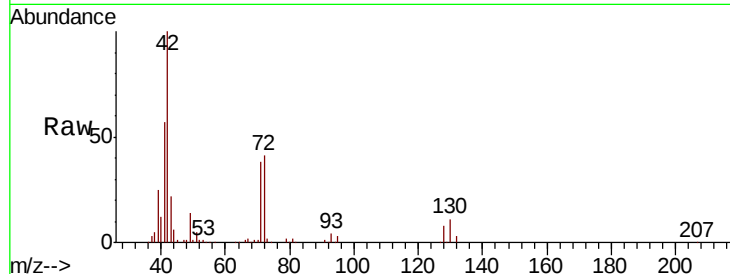
#29
Tetrahydrofuran
Concen: 109.334 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.1	49.7
71	37.9	30.9	46.3

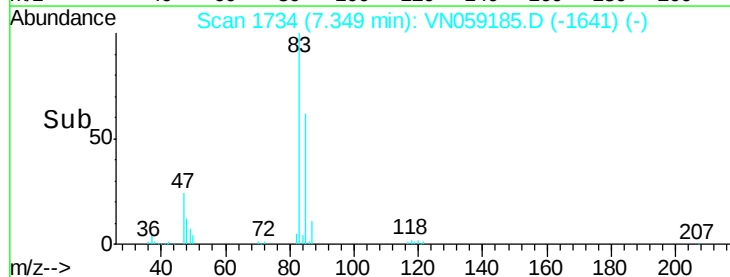
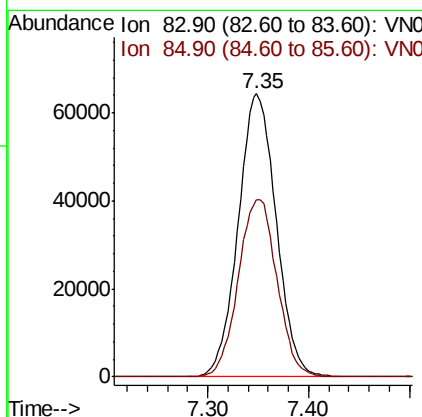
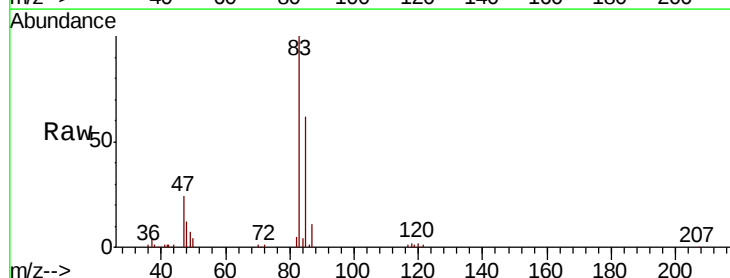
Manual Integrations
APPROVED

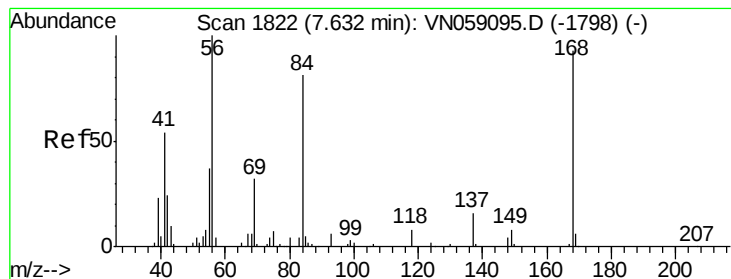
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#30
Chloroform
Concen: 21.340 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.8





#31

Cyclohexane

Concen: 18.884 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

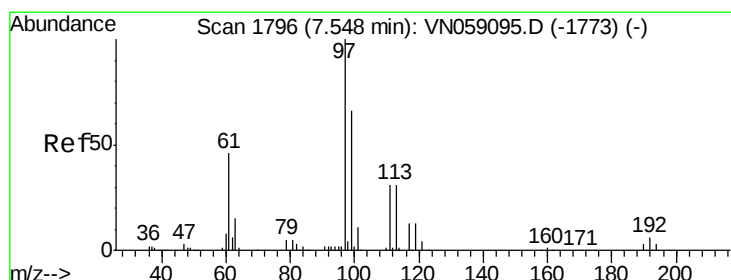
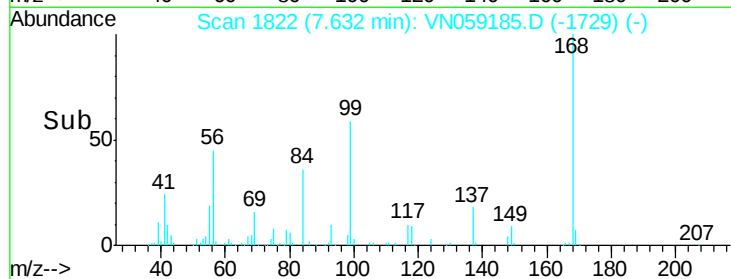
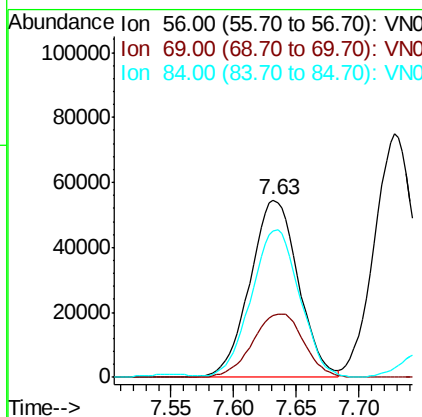
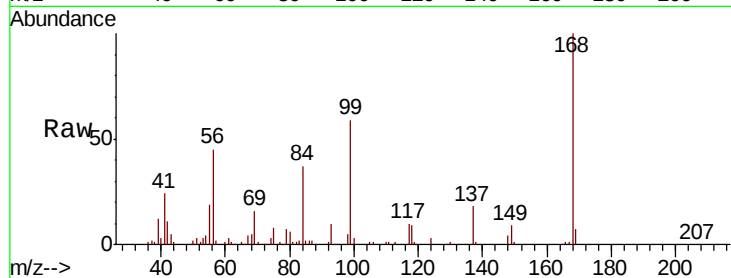
ClientSampleId :

VN1112MBS01

Tot Ion	56	Resp	146575
Ion Ratio	Lower	Upper	
56	100		
69	34.6	25.8	38.8
84	81.4	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.548 ug/l

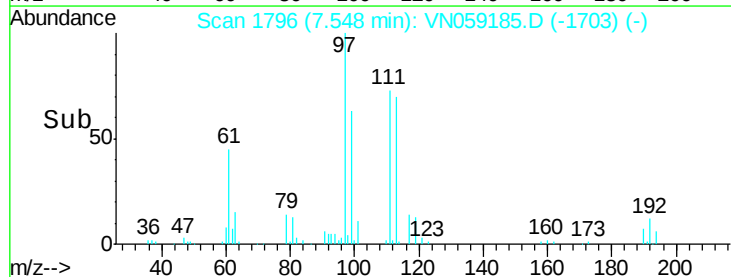
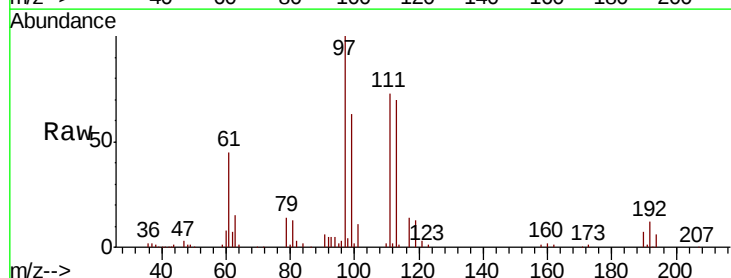
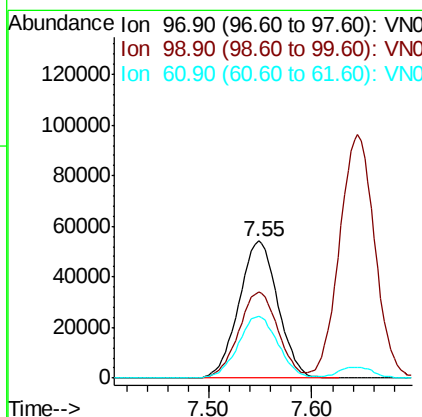
RT: 7.55 min Scan# 1796

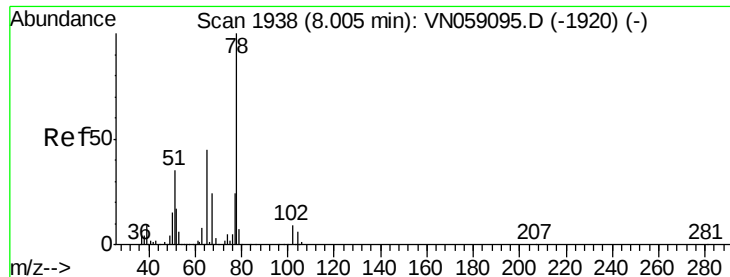
Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion	97	Resp	142489
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.0	76.6
61	46.0	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.387 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 65 Resp: 266166

Ion Ratio Lower Upper

65 100

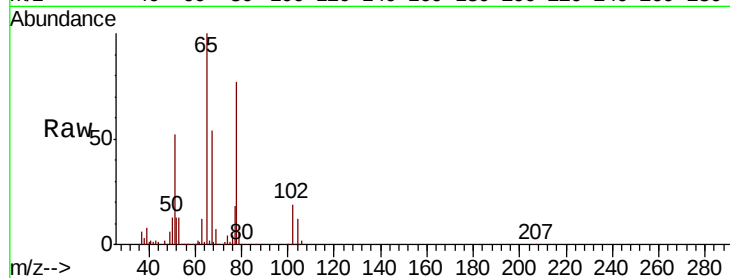
67 53.5 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

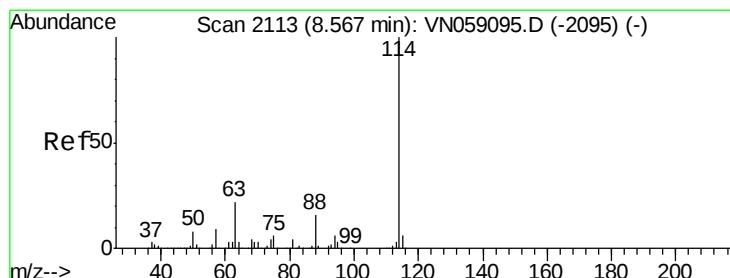
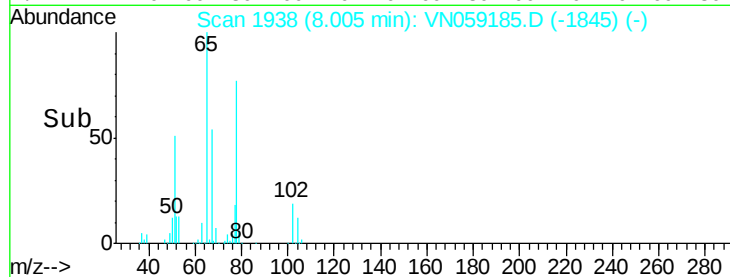
8.00

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

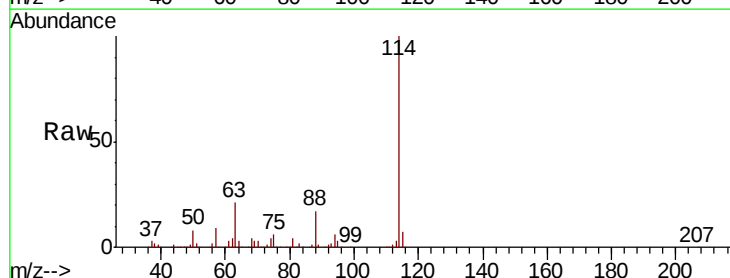
Tgt Ion: 114 Resp: 638713

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

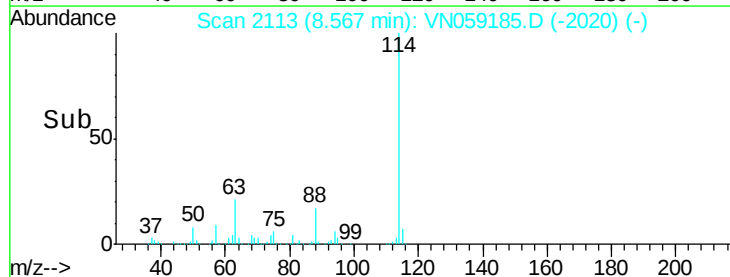
300000

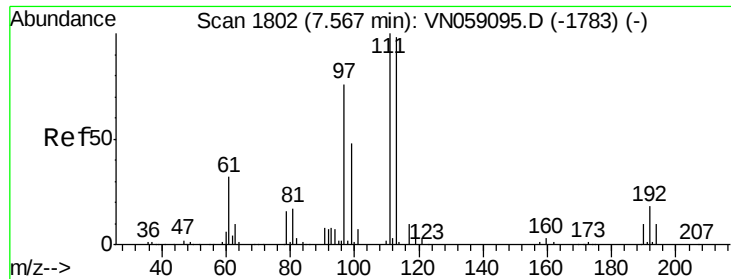
200000

100000

0

Time--> 8.50 8.60 8.70





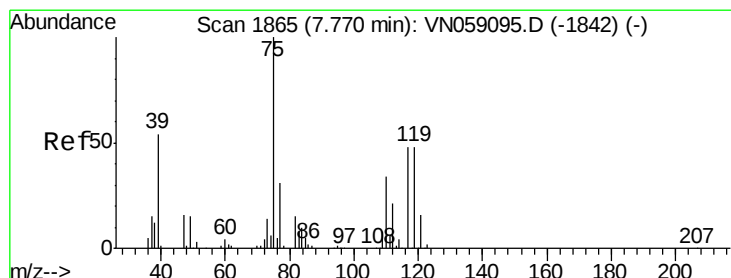
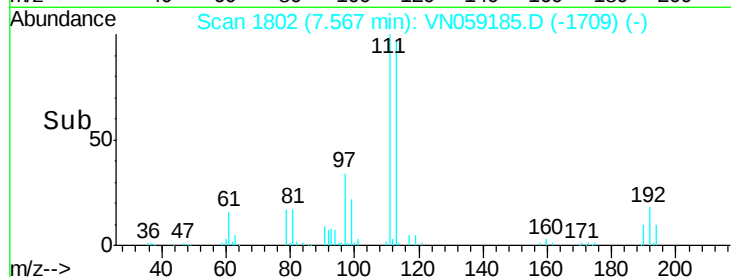
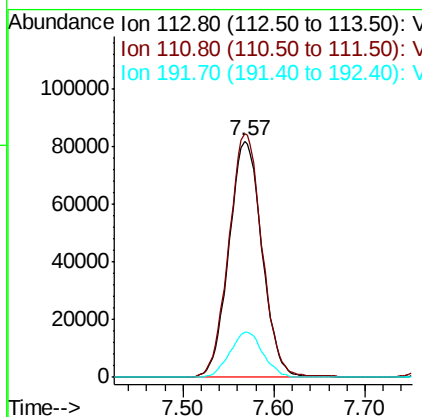
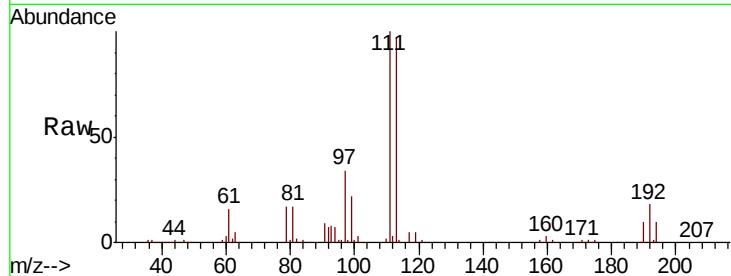
#35
 Dibromofluoromethane
 Concen: 54.264 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206950		
111	103.5	82.8	124.2	
192	19.1	16.1	24.1	

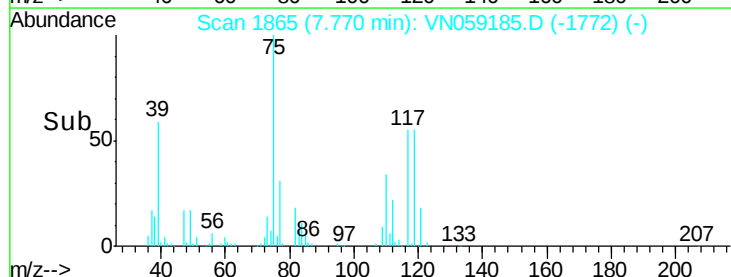
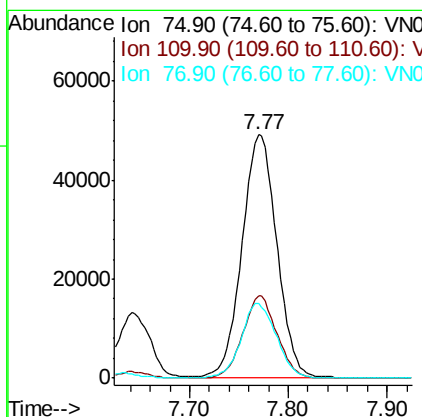
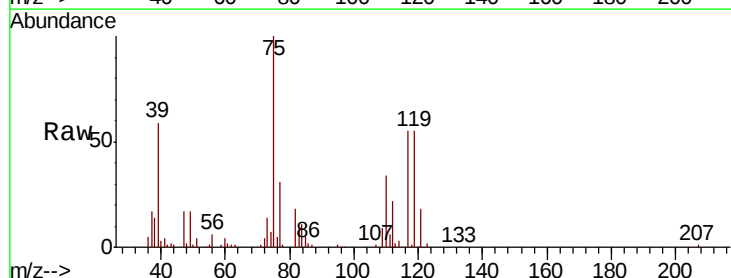
Manual Integrations
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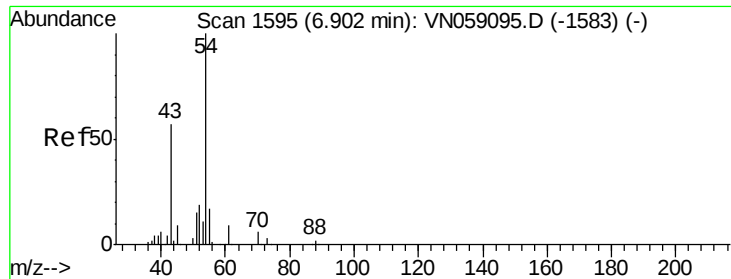
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#36
 1,1-Dichloropropene
 Concen: 20.195 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120565		
110	32.7	17.1	51.2	
77	30.8	24.8	37.2	





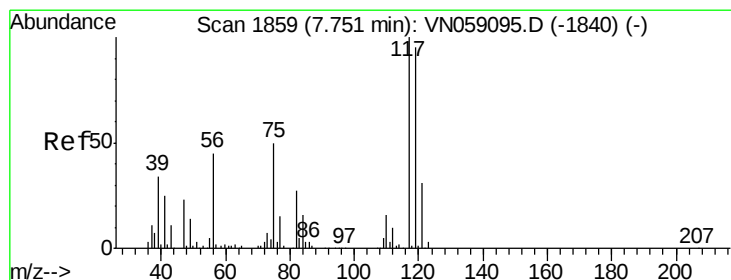
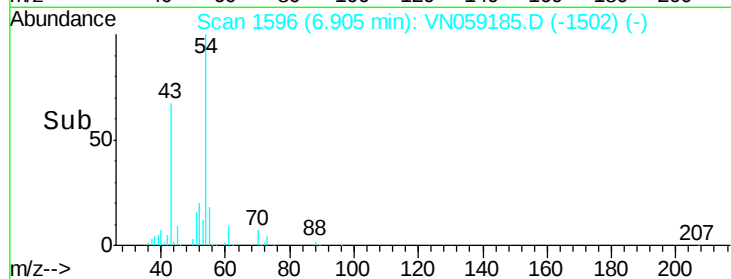
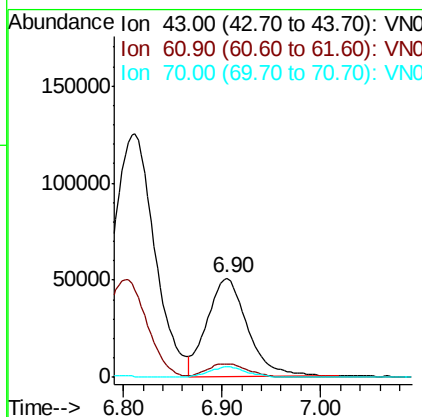
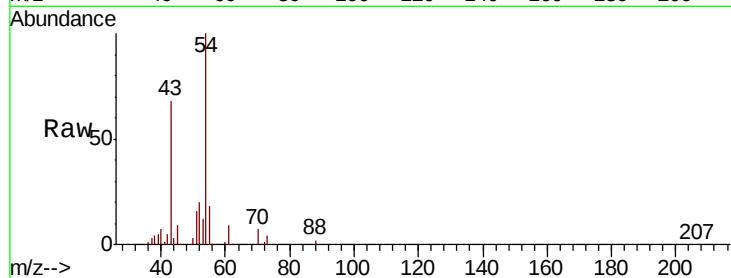
#37
Ethyl Acetate
Concen: 21.700 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	10.2	7.8	11.8

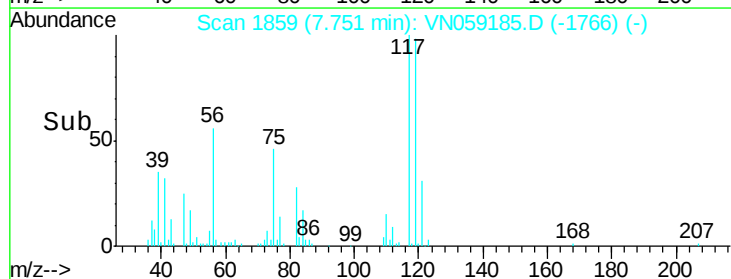
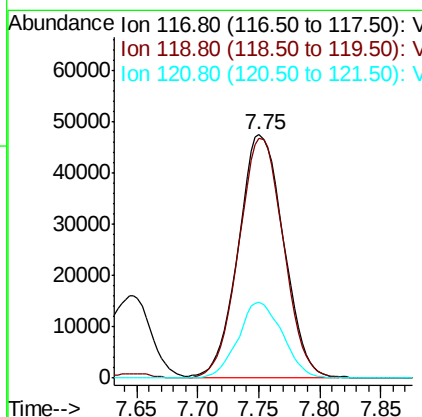
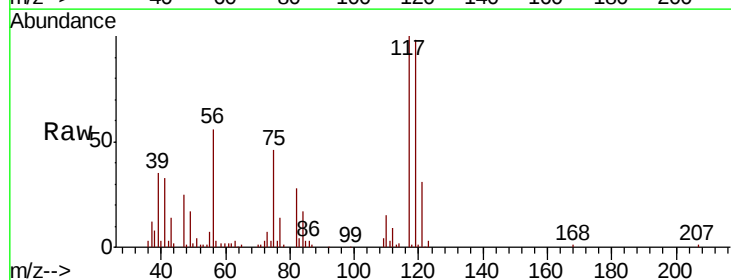
Manual Integrations
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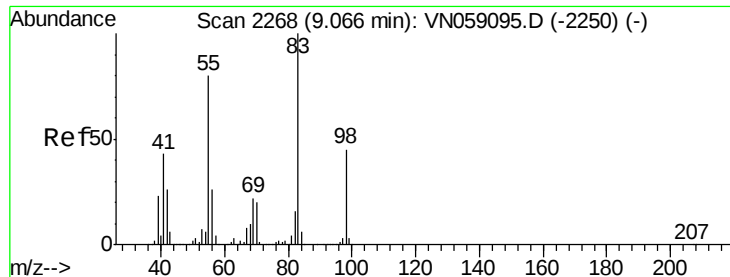
MMDadoda
11/13/2019 12:07:45 PM



#38
Carbon Tetrachloride
Concen: 20.432 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.6	113.4
121	31.1	24.6	36.8





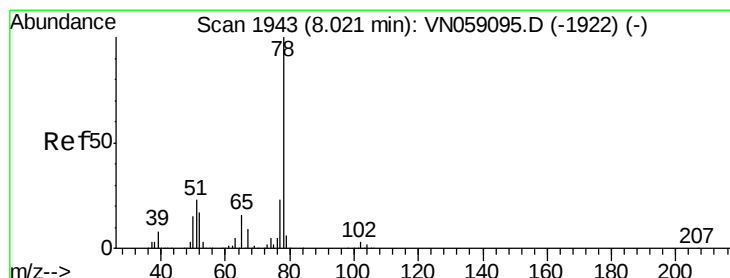
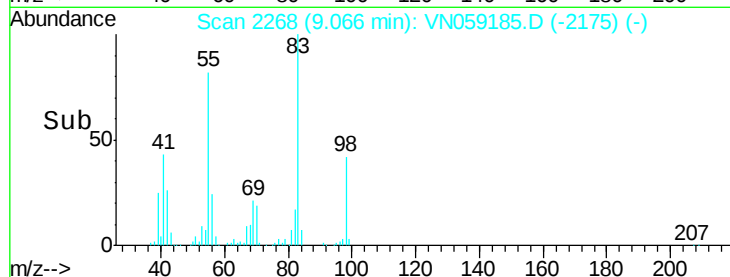
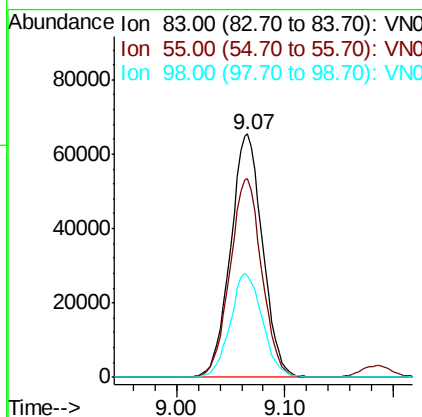
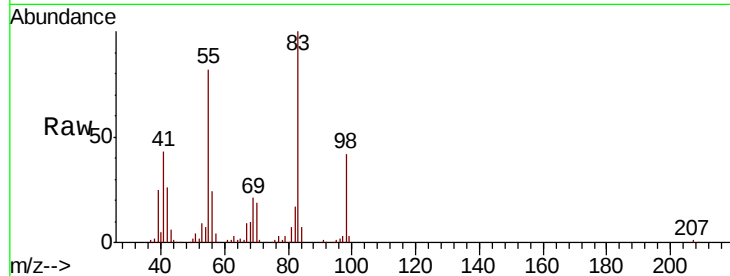
#39
Methvlcvclohexane
Concen: 19.519 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.9	95.9
98	41.6	35.6	53.4

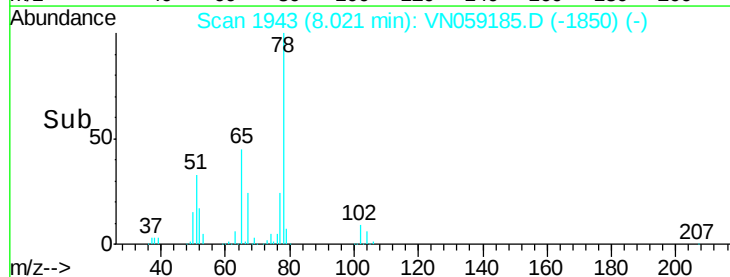
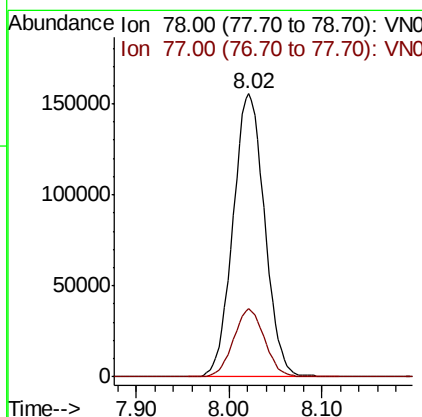
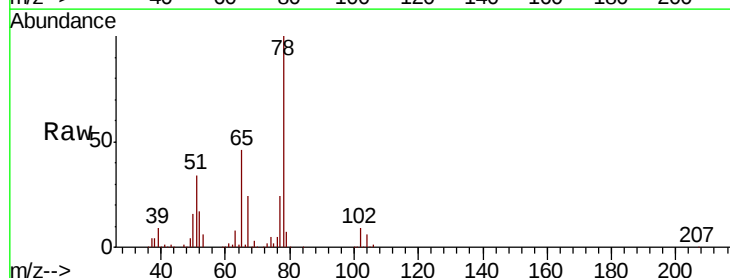
Manual Integrations
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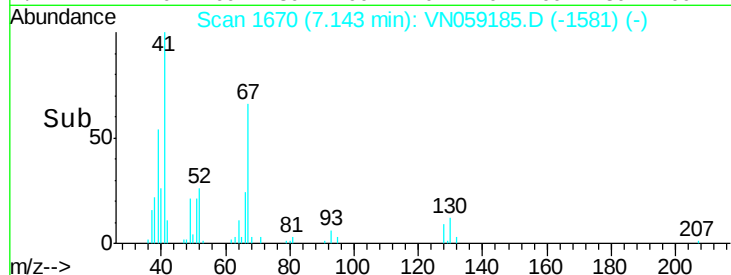
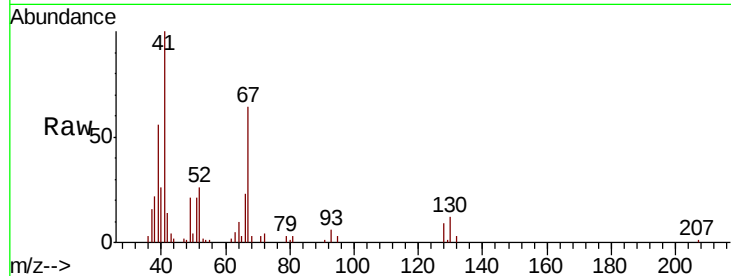
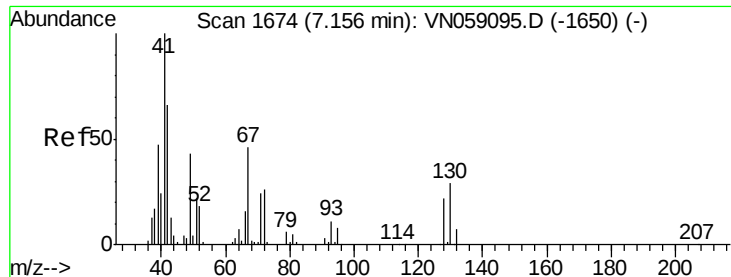
MMDadoda
11/13/2019 12:07:45 PM



#40
Benzene
Concen: 20.460 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 17.264 ug/l m

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tot Ion	41	Resp	49858
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

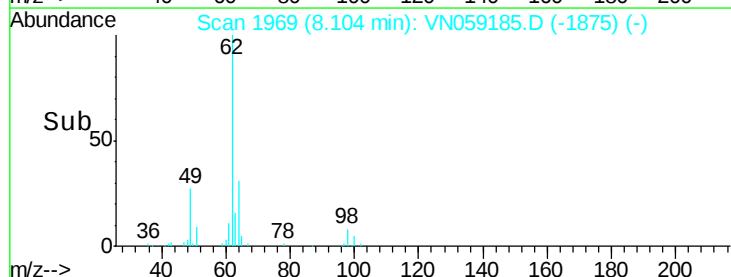
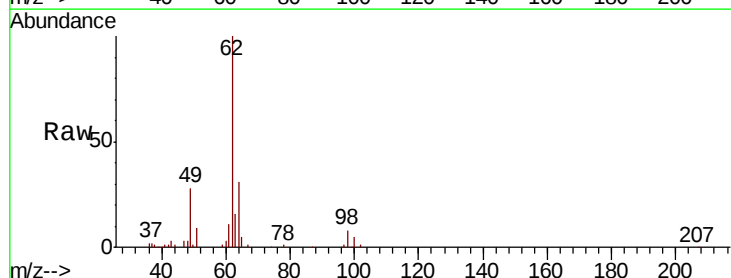
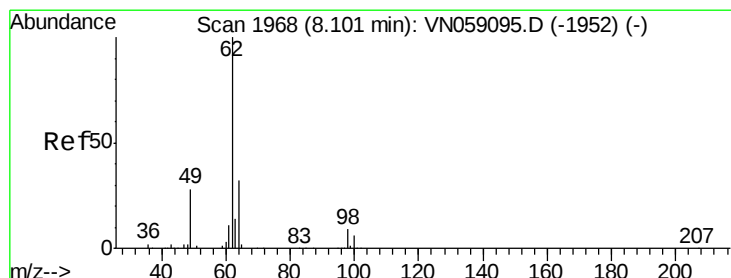
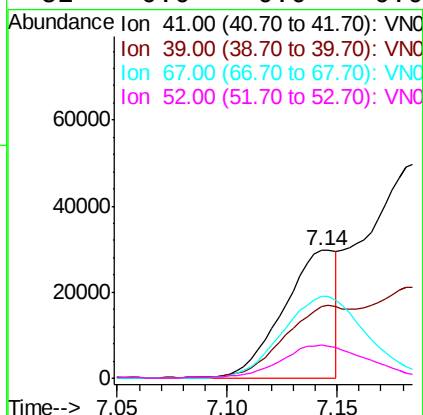
MSVOA_N

ClientSampleId :

VN1112MBS01

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#42

1,2-Dichloroethane

Concen: 21.594 ug/l

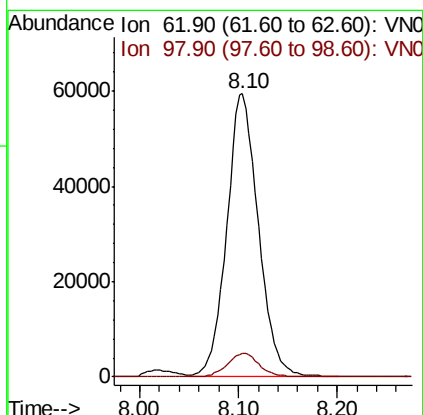
RT: 8.10 min Scan# 1969

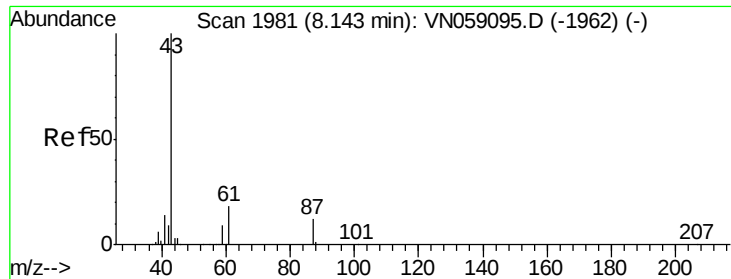
Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion	62	Resp	133148
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.8





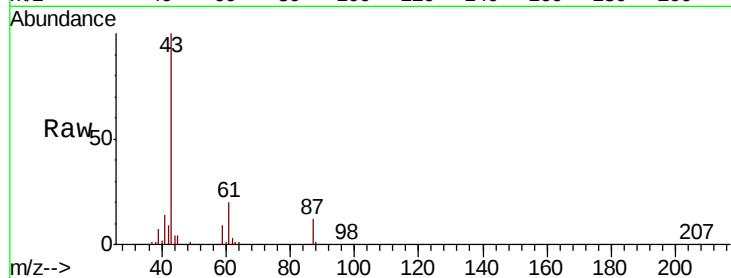
#43
Isopropyl Acetate
Concen: 20.758 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	12.3	9.8	14.6

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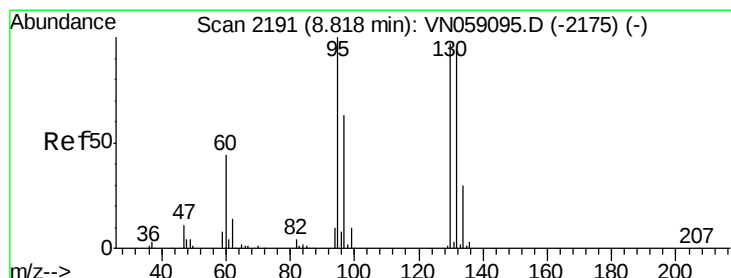
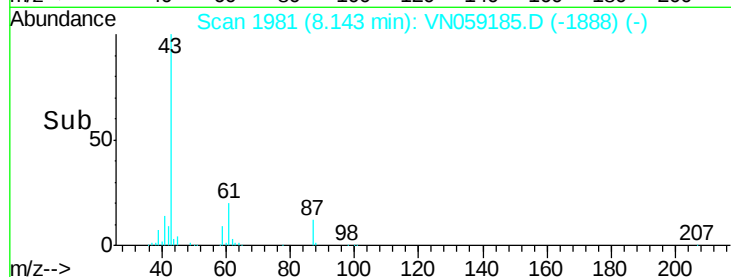
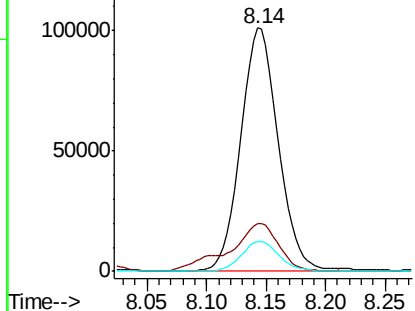
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Abundance Ion 43.00 (42.70 to 43.70): VN059185.D (-1888) (-)

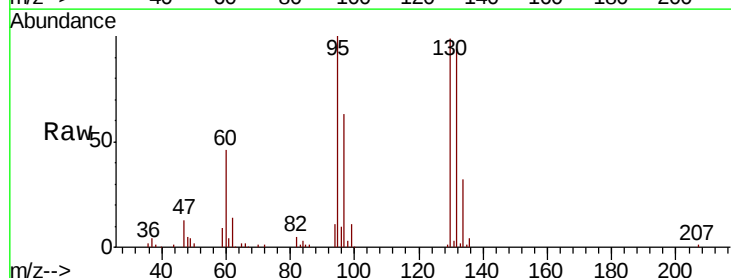
Ion 61.00 (60.70 to 61.70): VN059185.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059185.D (-1888) (-)



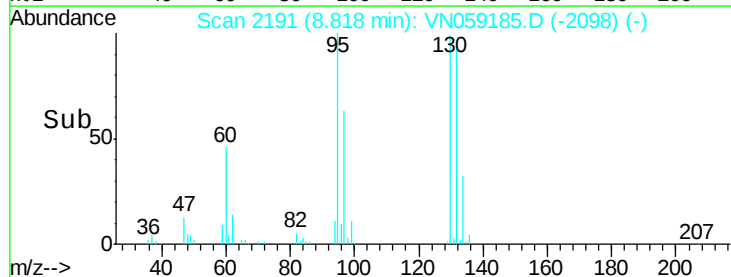
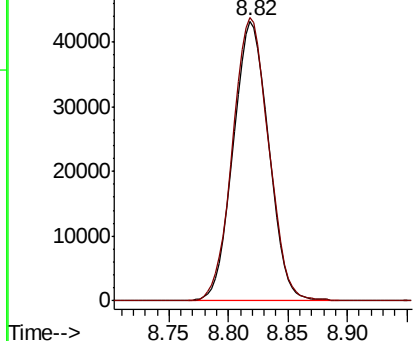
#44
Trichloroethene
Concen: 20.130 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

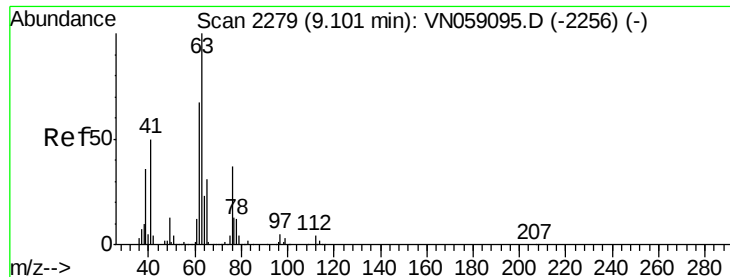
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059185.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059185.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.762 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 63 Resp: 101386

Ion Ratio Lower Upper

63 100

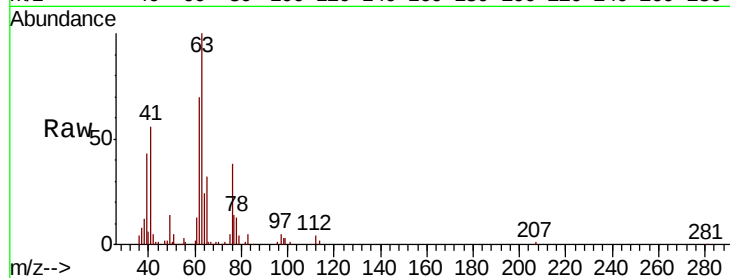
65 32.1 24.6 37.0

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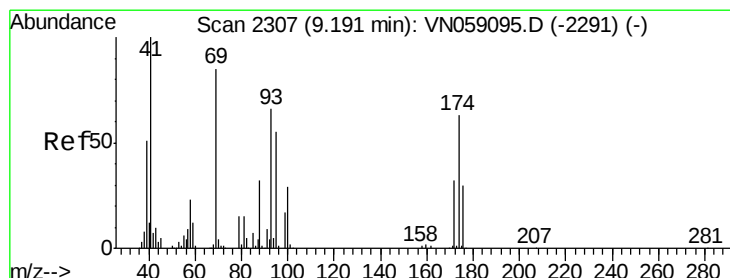
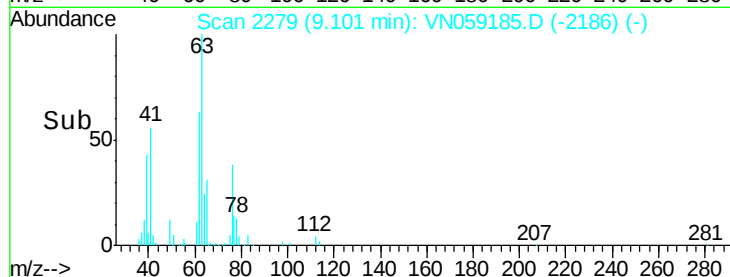
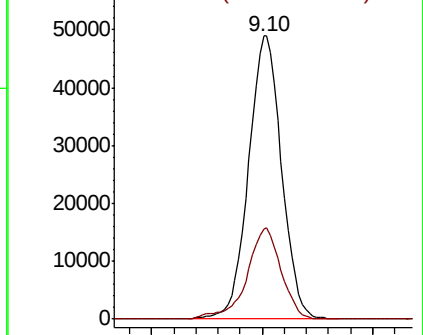
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.846 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

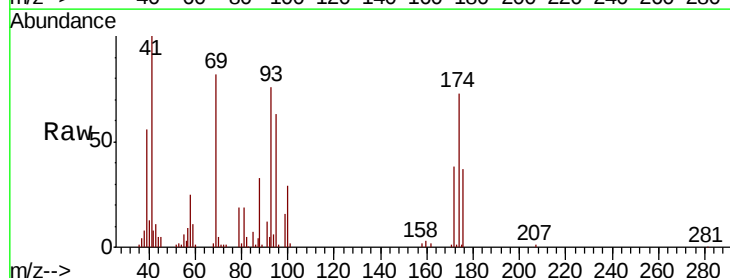
Tgt Ion: 93 Resp: 63433

Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

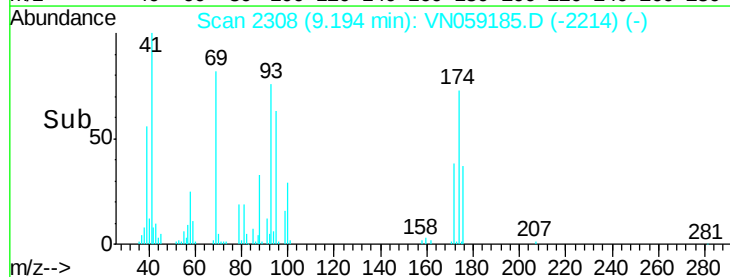
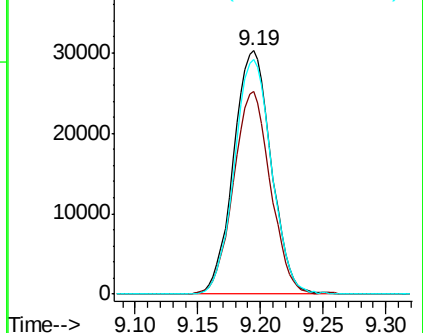
174 95.0 78.2 117.2

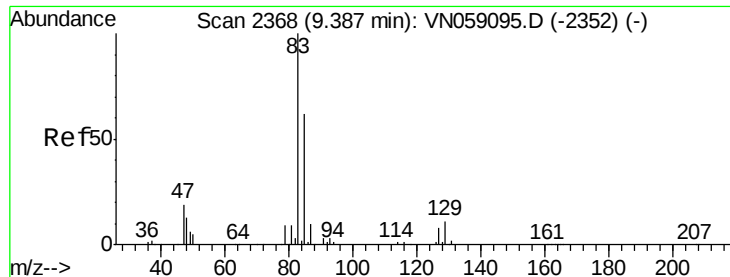


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.457 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

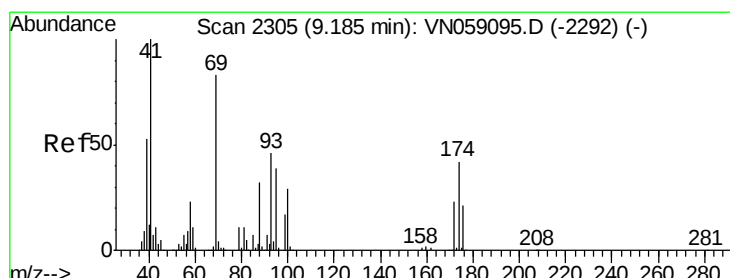
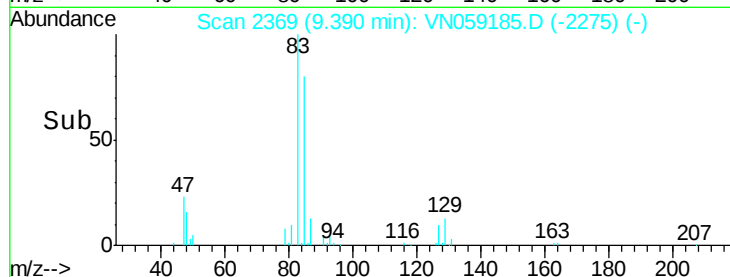
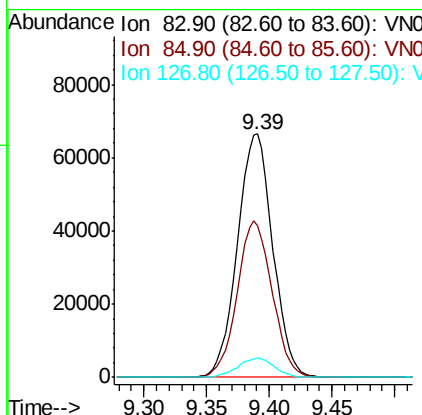
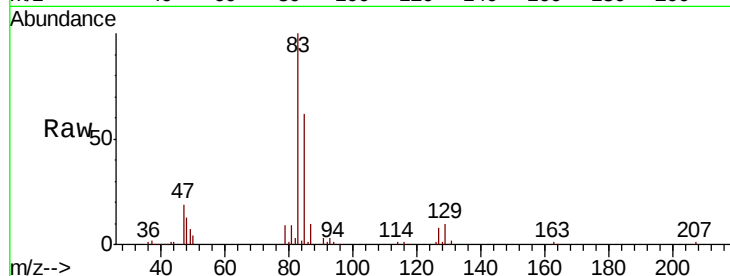
ClientSampleId :

VN1112MBS01

Tot Ion:	83	Resp:	130378
Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.7	74.5
127	7.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.234 ug/l

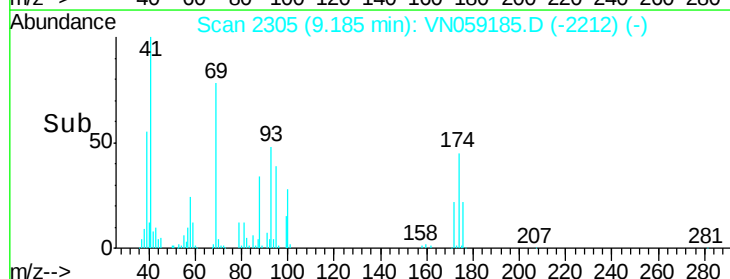
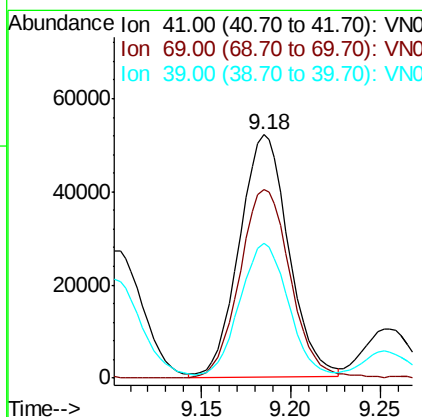
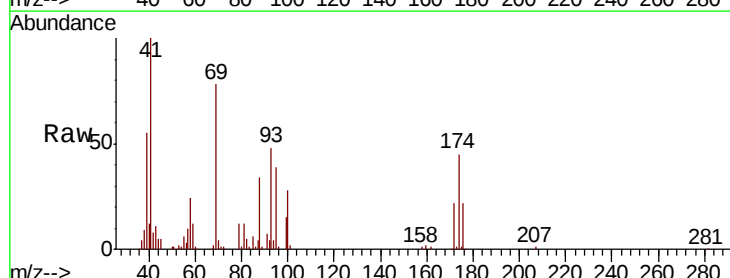
RT: 9.18 min Scan# 2305

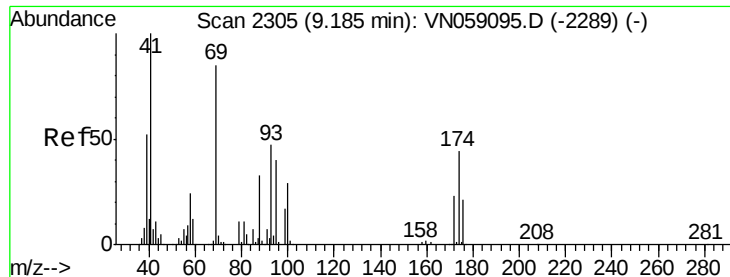
Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	41	Resp:	100569
Ion	Ratio	Lower	Upper
41	100		
69	80.3	67.3	100.9
39	55.1	43.3	64.9





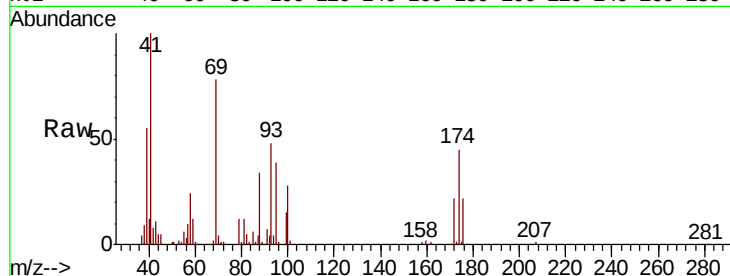
#49
1,4-Dioxane
Concen: 429.320 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

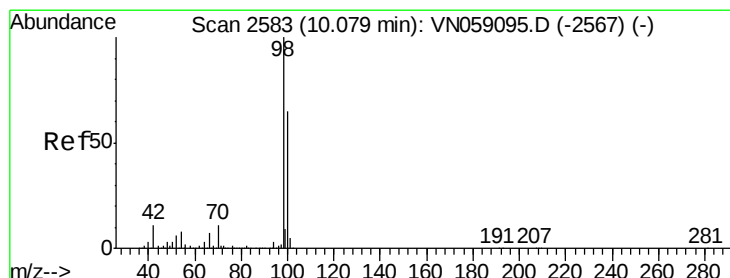
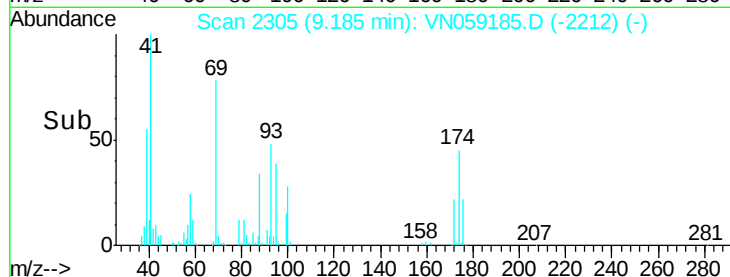
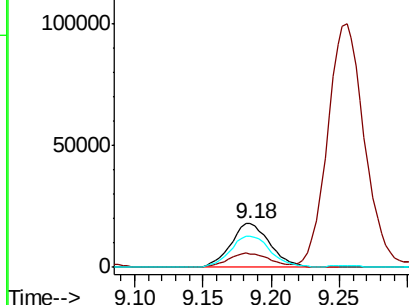
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.3	39.5
58	72.8	60.6	90.8

Manual Integrations
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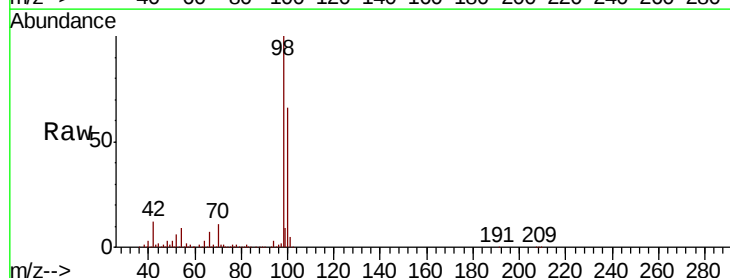


Abundance Ion 88.00 (87.70 to 88.70): VN059185.D (-2212) (-)
Ion 43.00 (42.70 to 43.70): VN059185.D (-2212) (-)
Ion 58.00 (57.70 to 58.70): VN059185.D (-2212) (-)

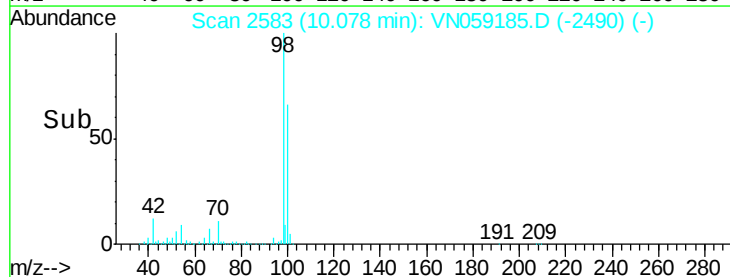
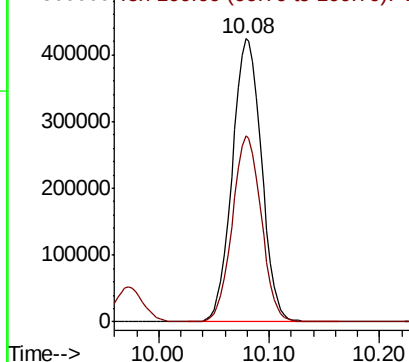


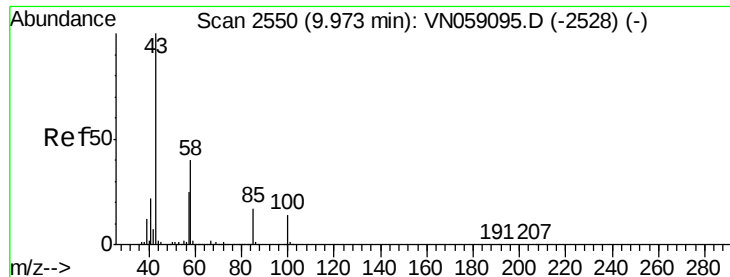
#50
Toluene-d8
Concen: 51.834 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059185.D (-2490) (-)
Ion 100.00 (99.70 to 100.70): VN059185.D (-2490) (-)





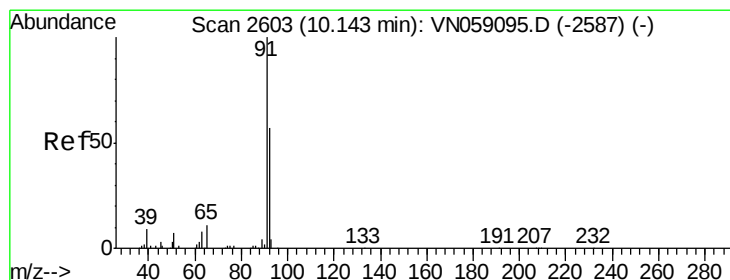
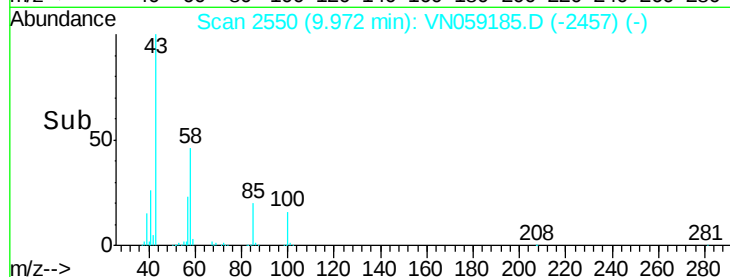
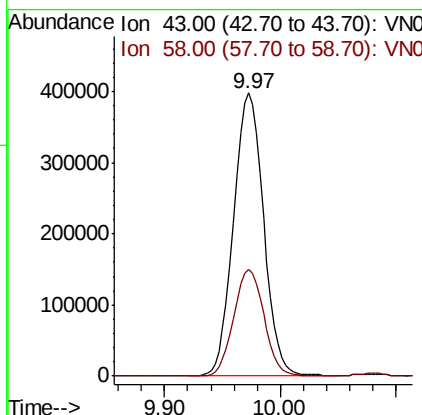
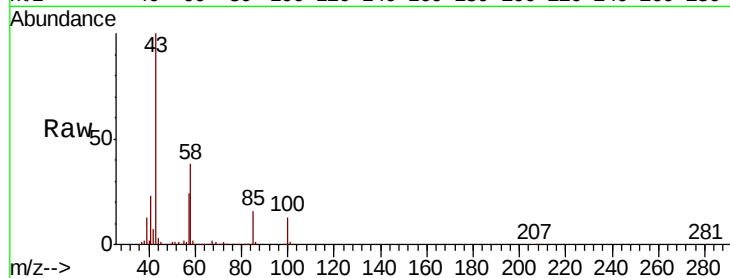
#51
4-Methyl-2-Pentanone
Concen: 119.188 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3

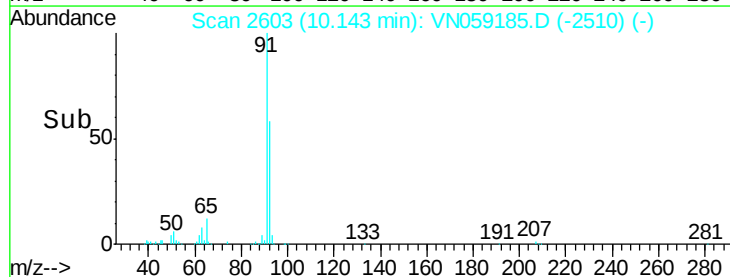
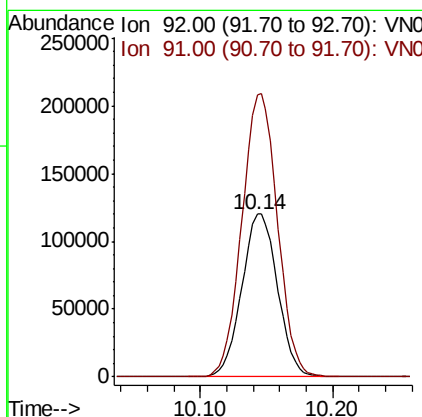
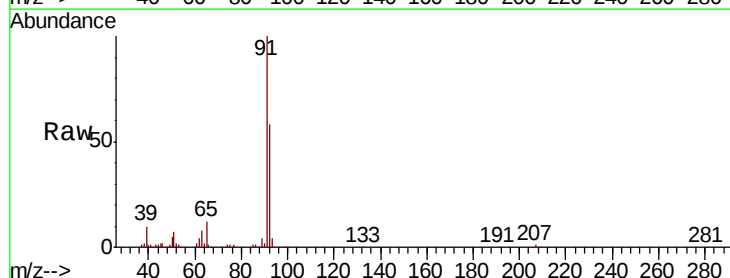
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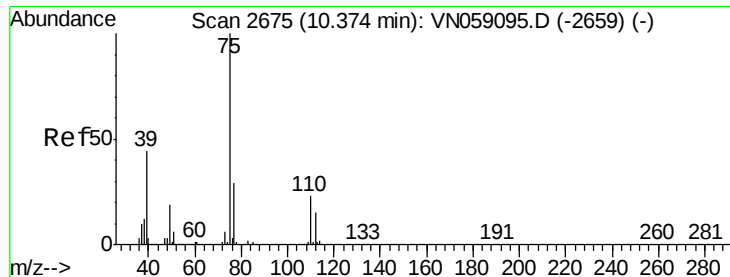
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#52
Toluene
Concen: 20.811 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 20.209 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 75 Resp: 141866

Ion Ratio Lower Upper

75 100

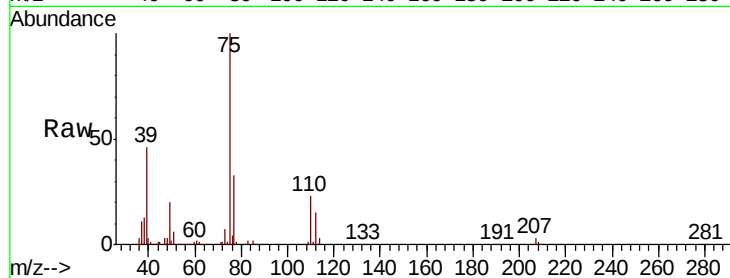
77 31.4 25.3 37.9

Manual Integrations

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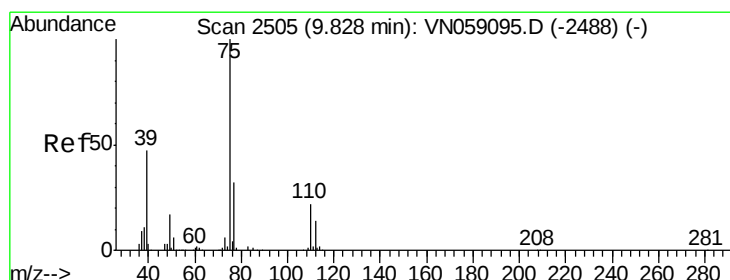
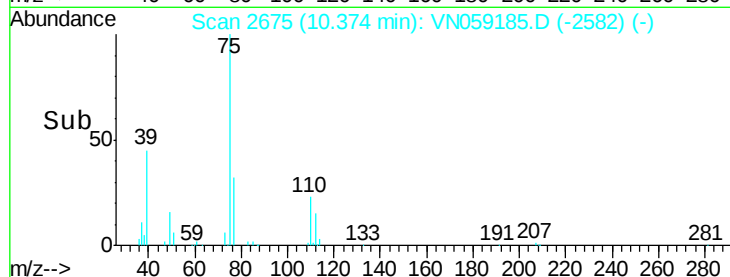
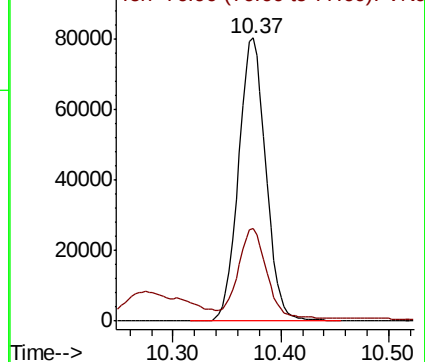
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.515 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

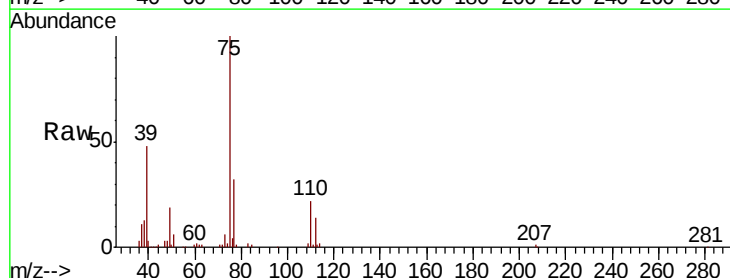
Tgt Ion: 75 Resp: 154917

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

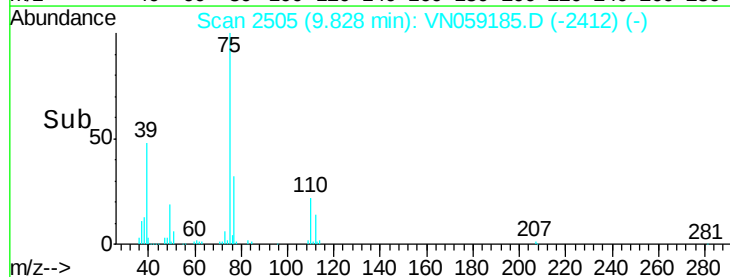
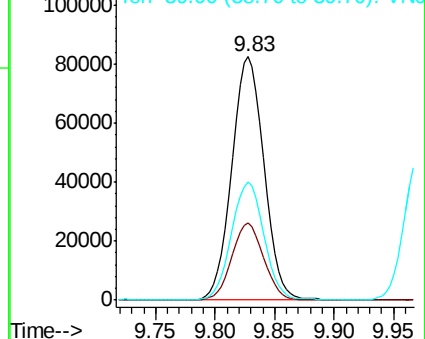
39 48.3 37.3 55.9

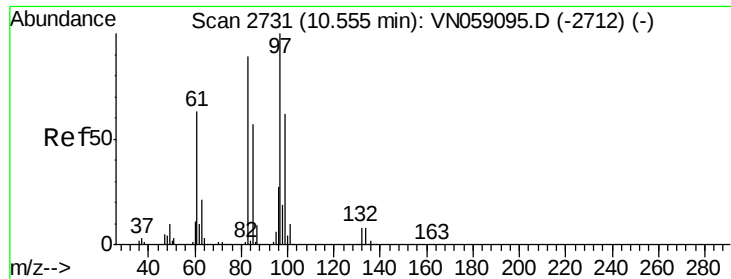


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





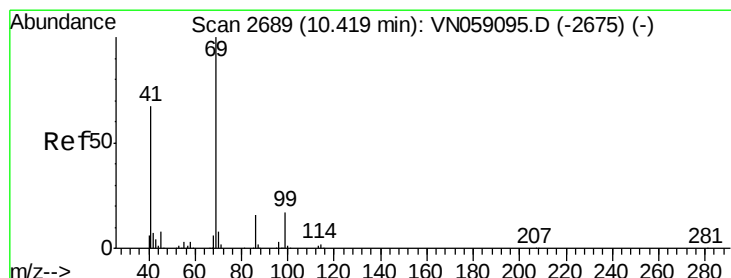
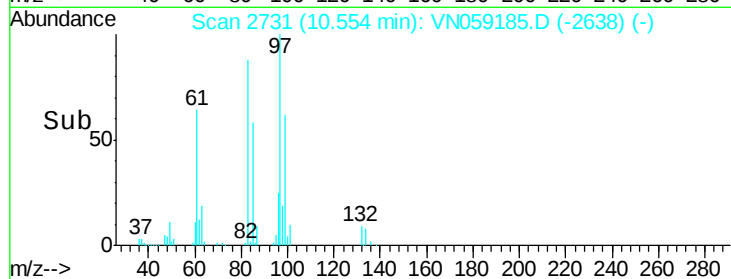
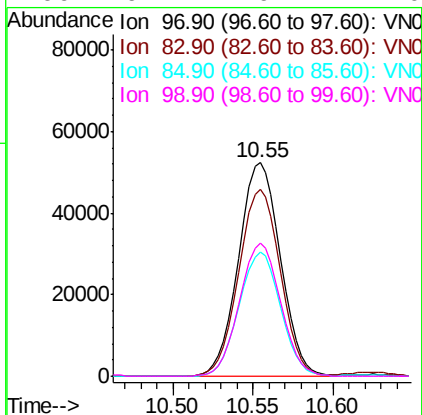
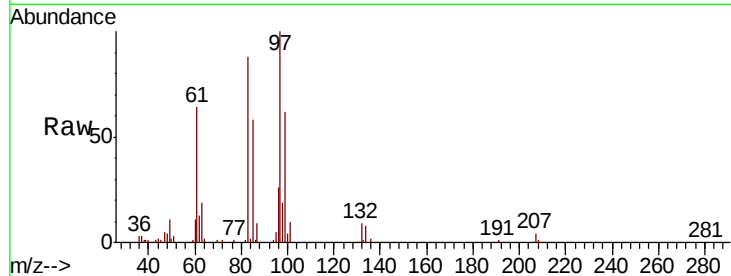
#55
 1,1,2-Trichloroethane
 Concen: 21.527 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.0	106.4
85	58.1	45.8	68.8
99	62.4	49.4	74.0

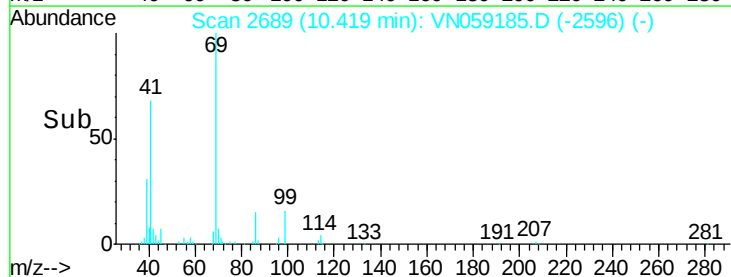
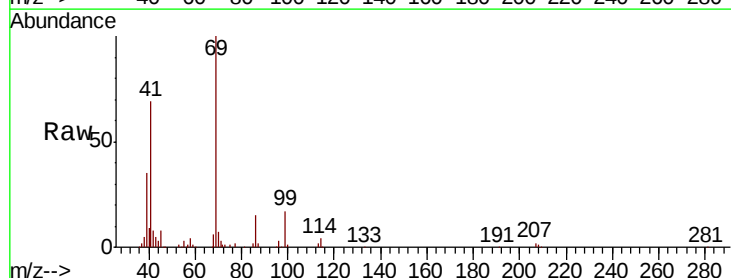
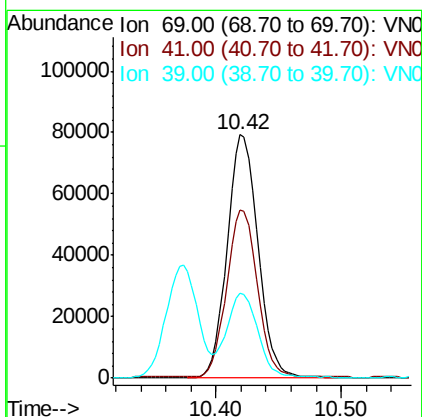
Manual Integrations
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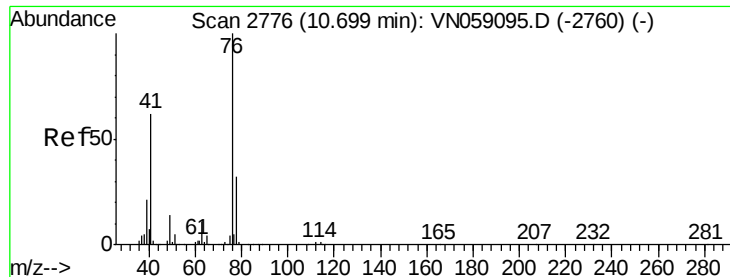
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#56
 Ethyl methacrylate
 Concen: 19.846 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	53.6	80.4
39	34.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 21.162 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 76 Resp: 158835

Ion Ratio Lower Upper

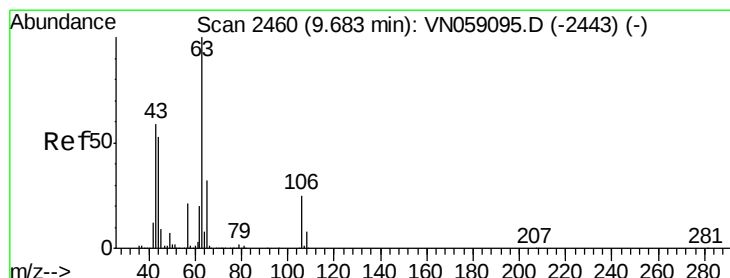
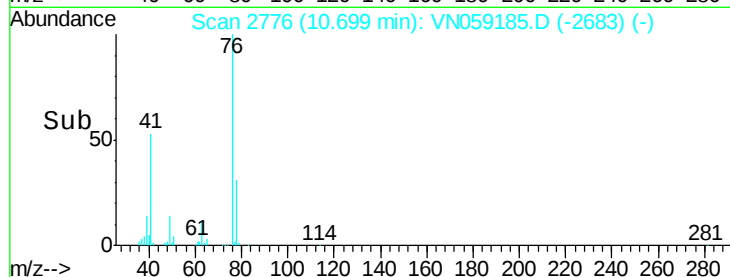
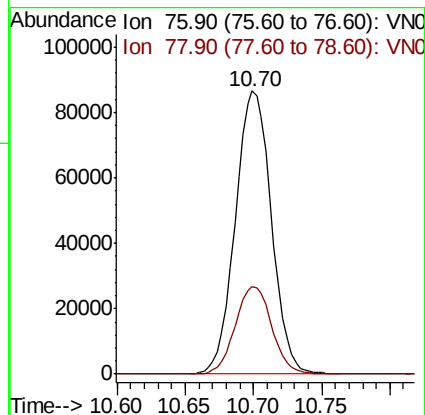
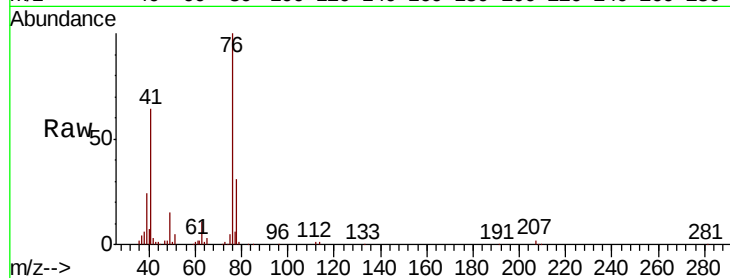
76 100

78 31.4 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 111.079 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059185.D

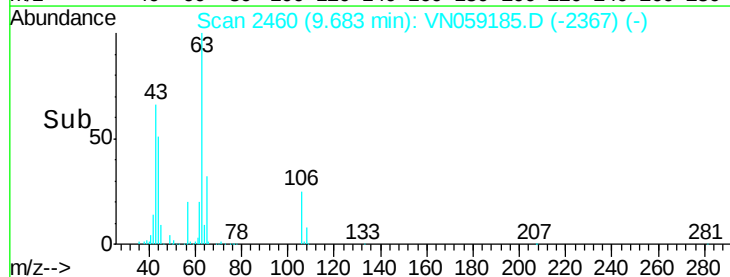
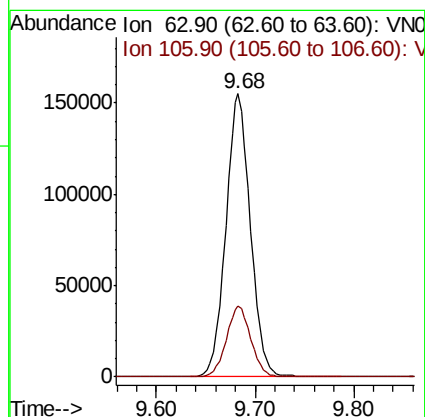
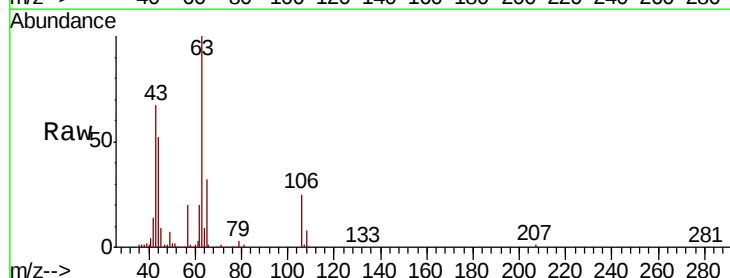
Acq: 12 Nov 2019 13:17

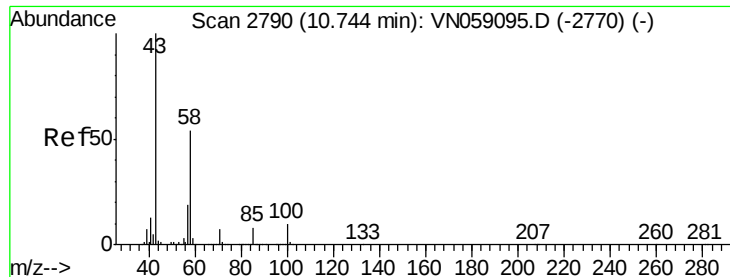
Tgt Ion: 63 Resp: 269588

Ion Ratio Lower Upper

63 100

106 25.0 20.2 30.2





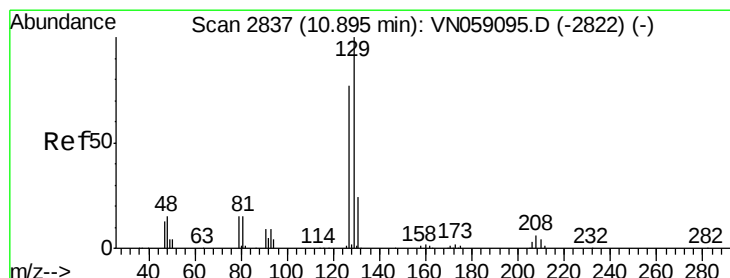
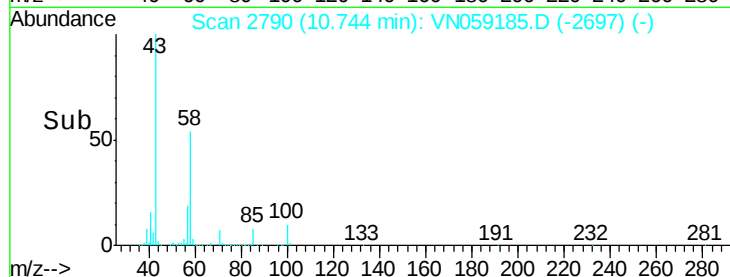
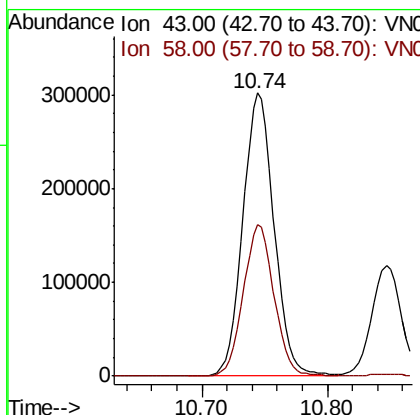
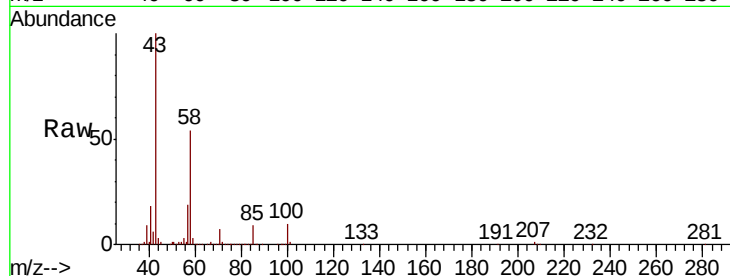
#59
2-Hexanone
Concen: 113.219 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.3	81.8

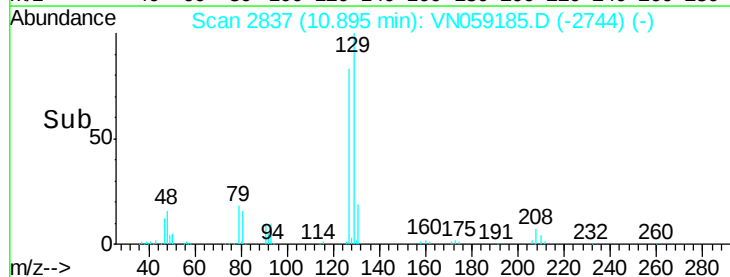
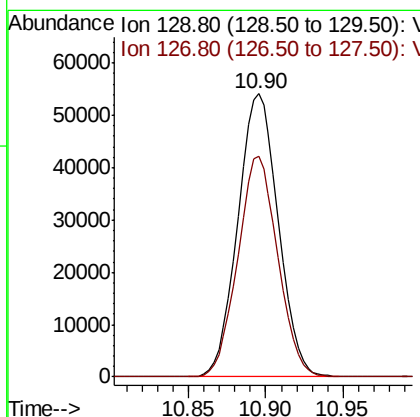
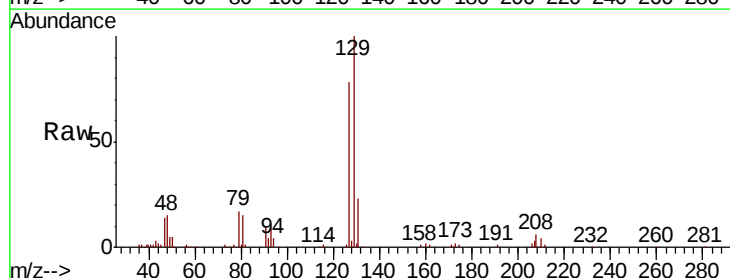
Manual Integrations
APPROVED

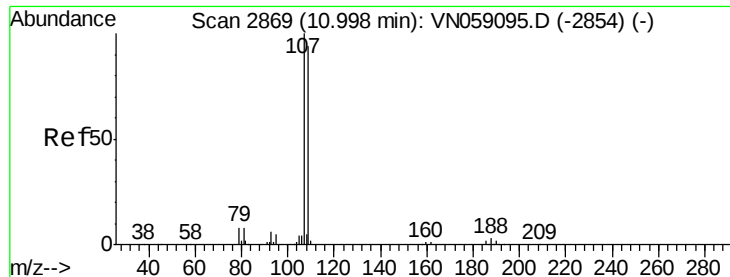
MMDadoda
11/13/2019 12:07:45 PM



#60
Dibromochloromethane
Concen: 21.289 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8





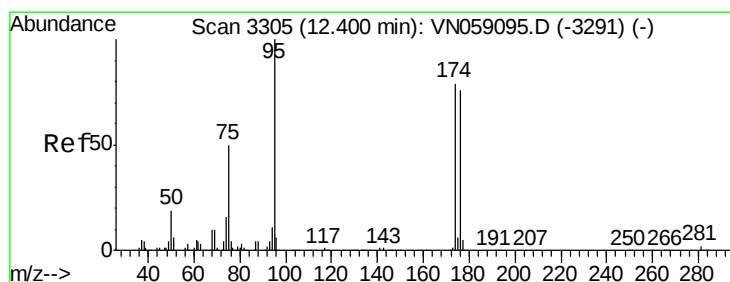
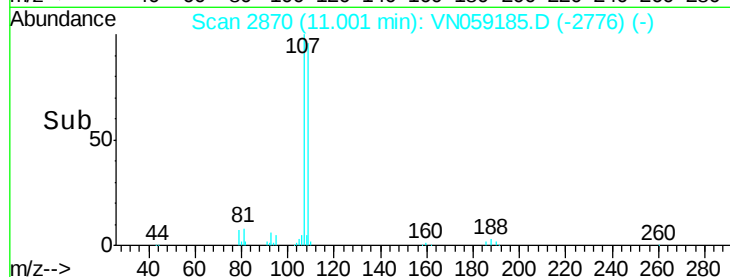
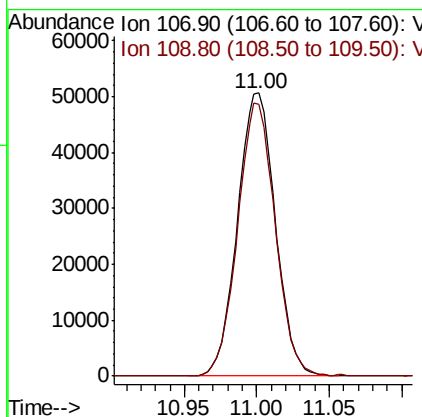
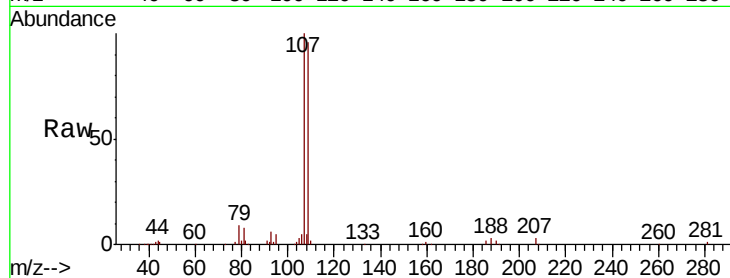
#61
 1,2-Dibromoethane
 Concen: 20.859 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.5	113.3

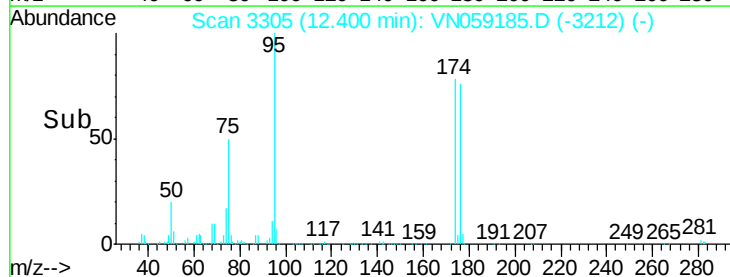
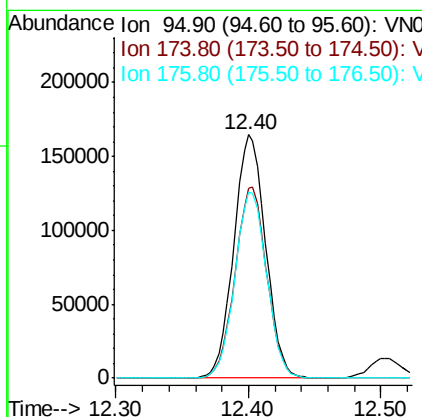
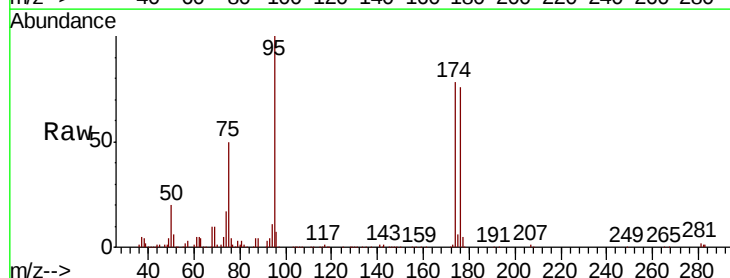
Manual Integrations
 APPROVED

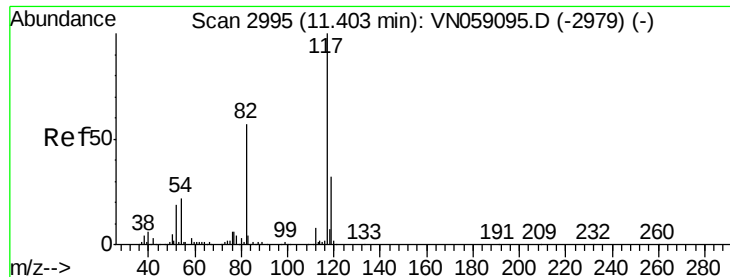
MMDadoda
 11/13/2019 12:07:45 PM



#62
 4-Bromofluorobenzene
 Concen: 50.483 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	158.2
176	76.6	0.0	151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

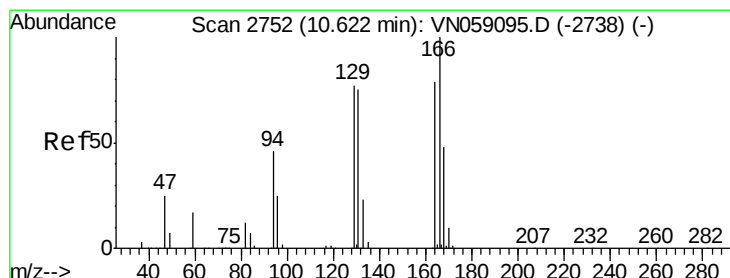
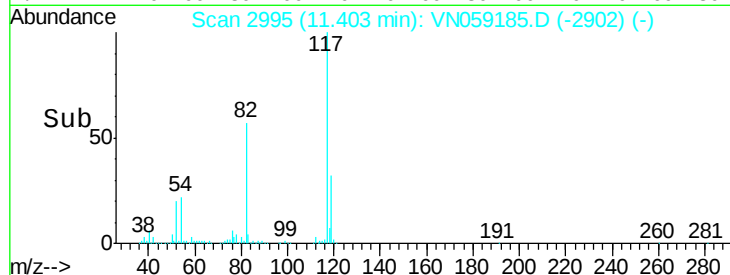
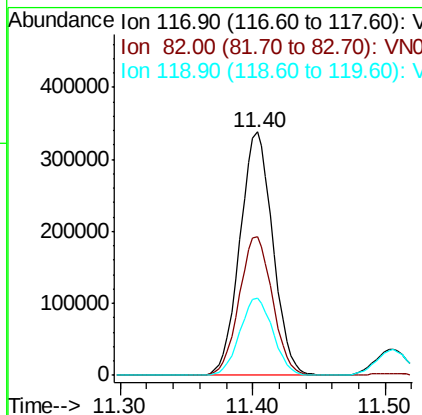
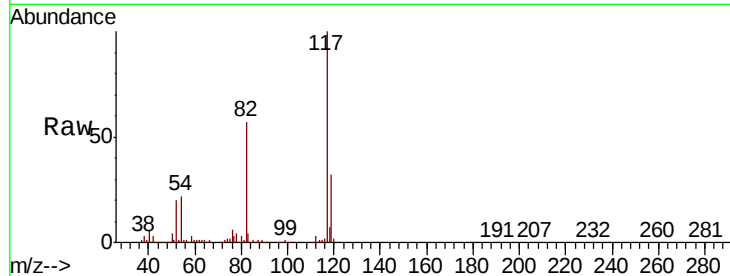
ClientSampleId :

VN1112MBS01

Tot Ion:	117	Resp:	582364
Ion Ratio	Lower	Upper	
117	100		
82	57.0	45.8	68.8
119	31.7	25.8	38.6

Manual Integrations
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11/13/2019 12:07:45 PM



#64

Tetrachloroethene

Concen: 19.965 ug/l

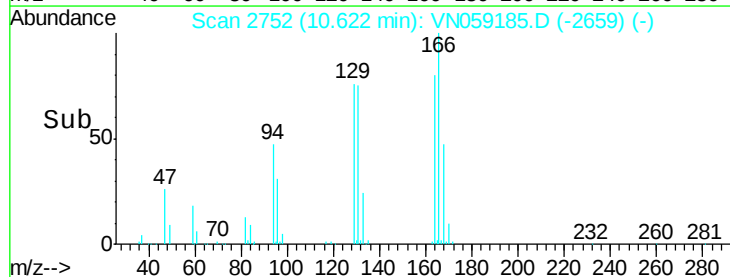
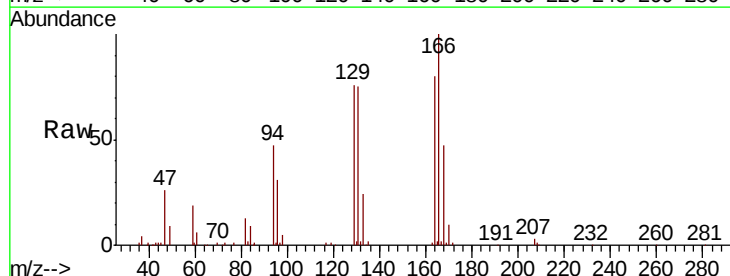
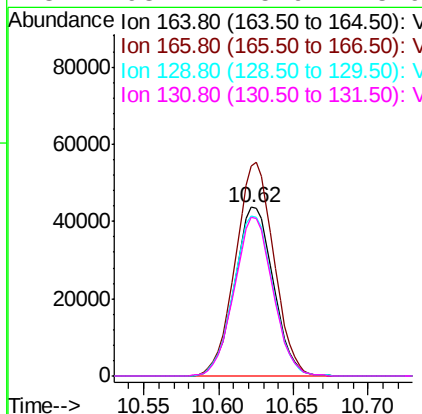
RT: 10.62 min Scan# 2752

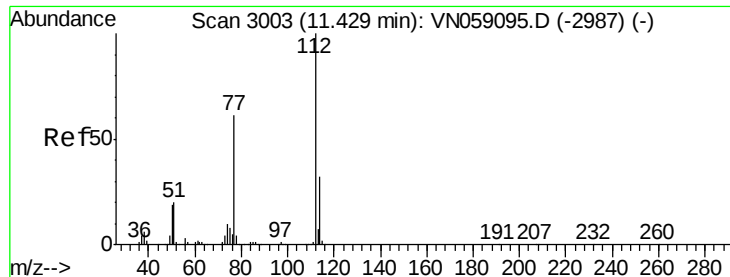
Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	164	Resp:	79063
Ion Ratio	Lower	Upper	
164	100		
166	124.6	101.5	152.3
129	95.0	78.3	117.5
131	93.7	75.9	113.9





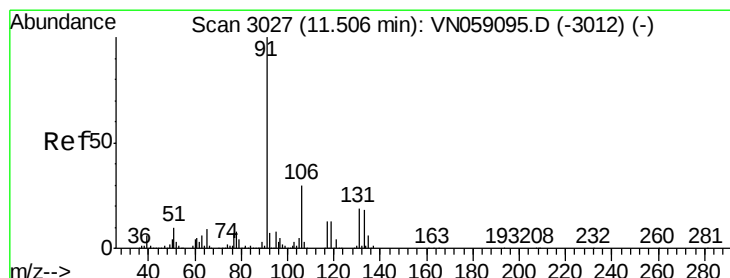
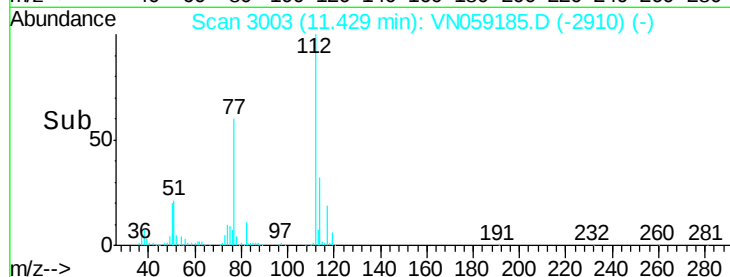
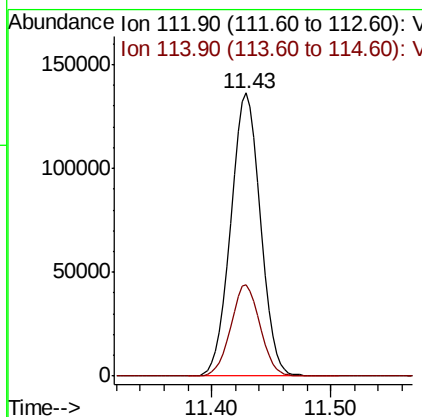
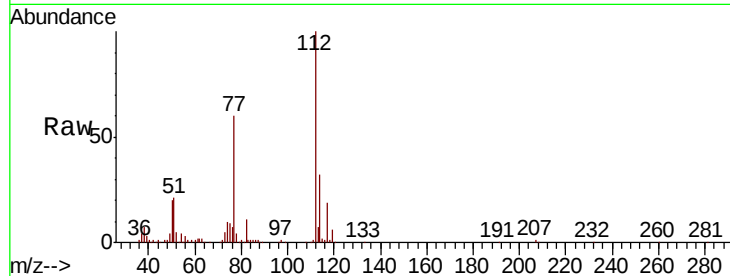
#65
Chlorobenzene
Concen: 20.758 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.2	37.8

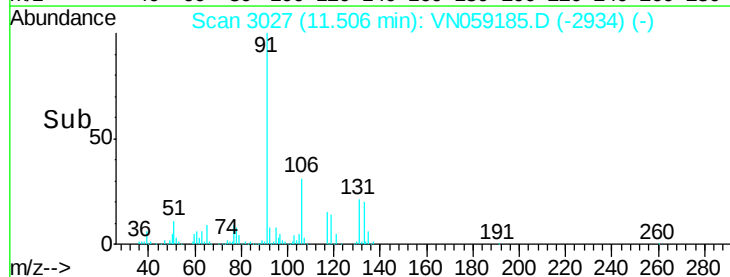
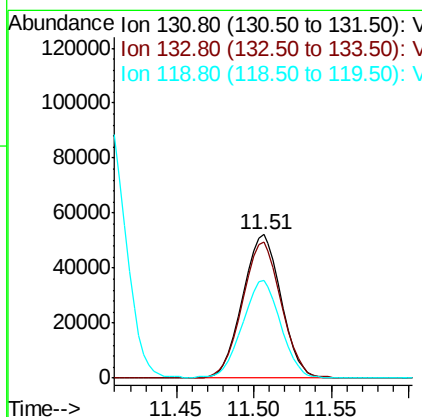
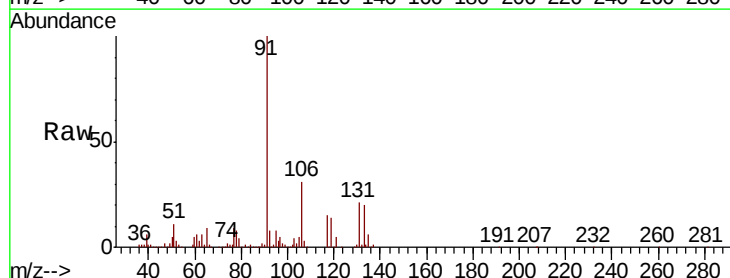
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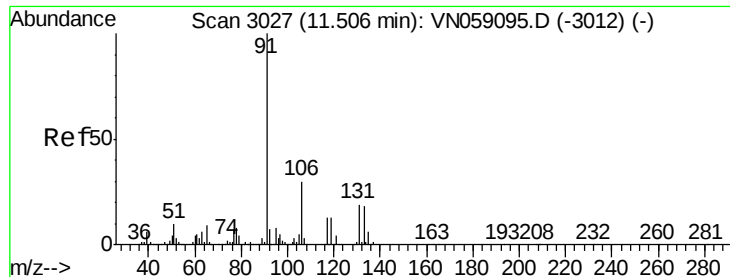
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.281 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.3
119	67.7	33.2	99.6





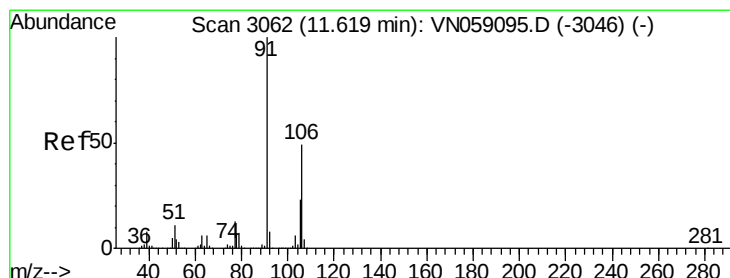
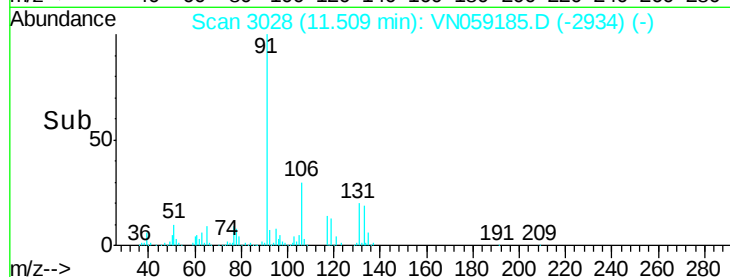
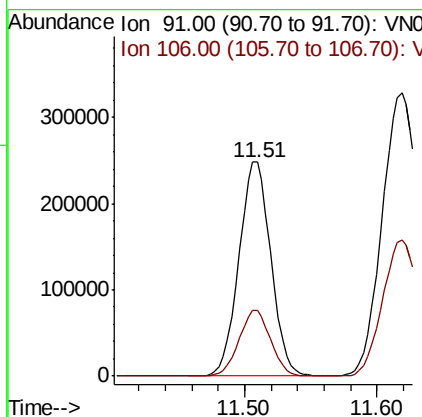
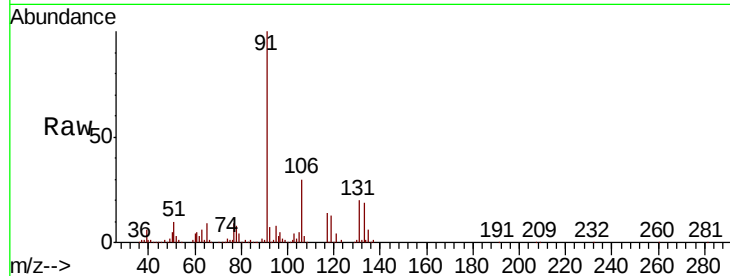
#67
Ethyl Benzene
Concen: 20.613 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion: 91 Resp: 415195
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

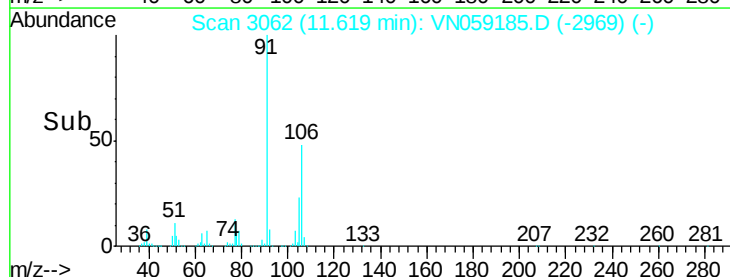
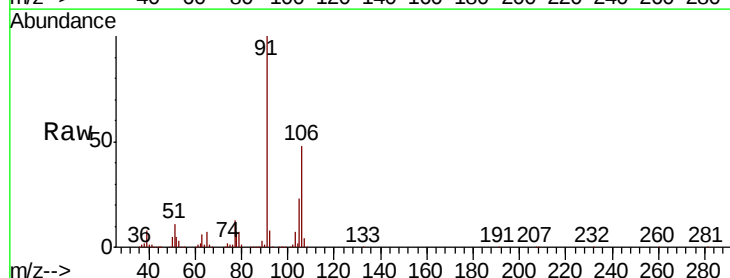
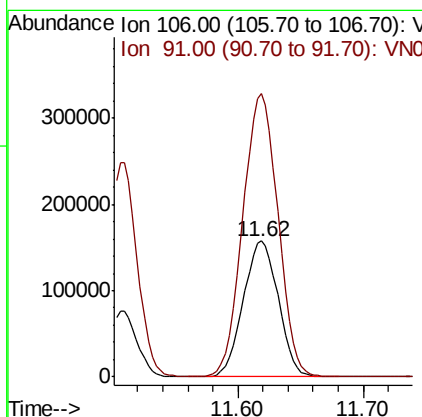
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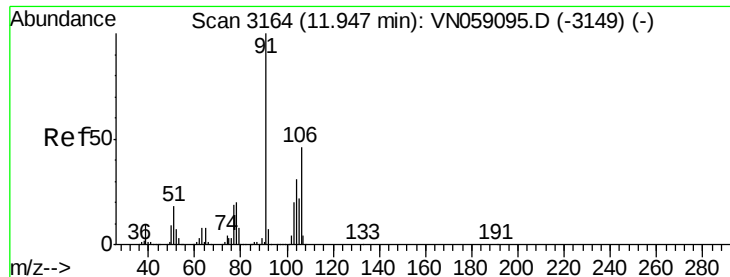
MMDadoda
11/13/2019 12:07:45 PM



#68
m/p-Xylenes
Concen: 40.571 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion: 106 Resp: 306108
Ion Ratio Lower Upper
106 100
91 208.5 164.7 247.1





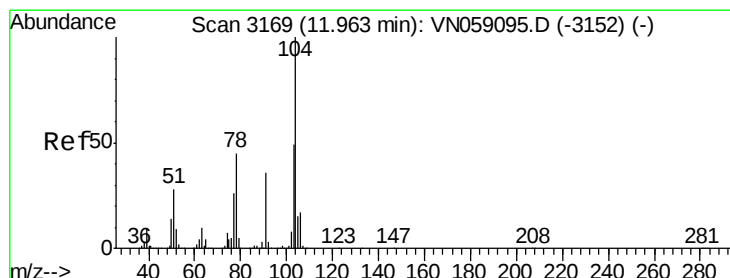
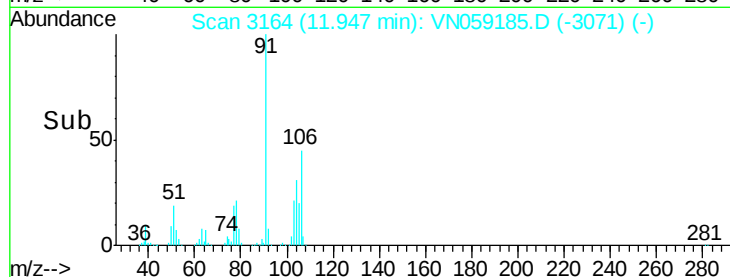
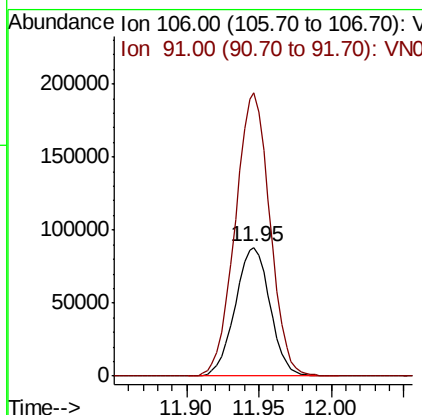
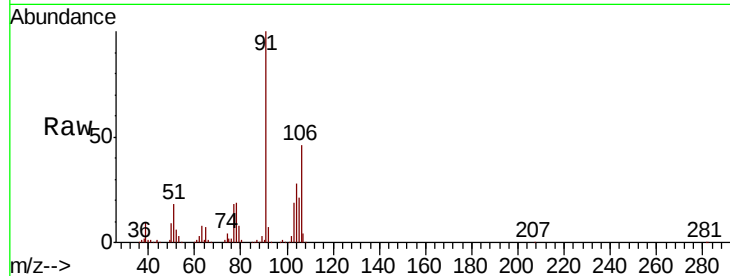
#69
o-Xylene
Concen: 20.136 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	146818		
91	91	219.9	110.1	330.3	

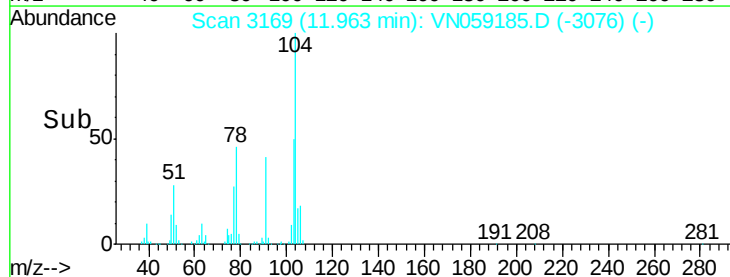
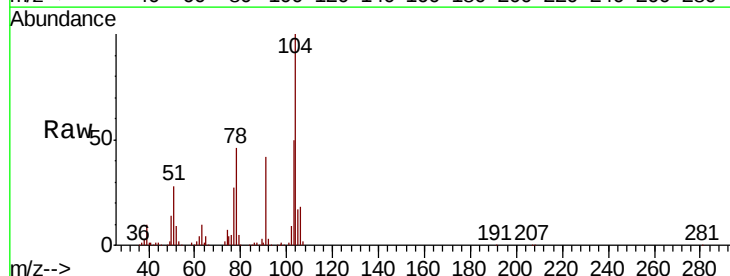
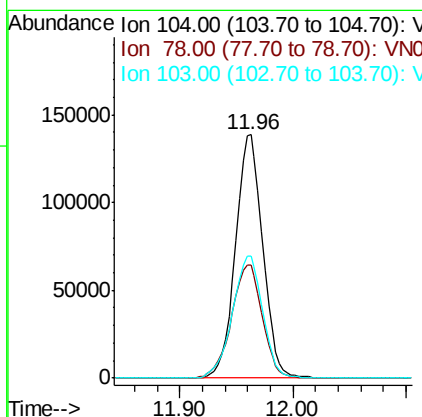
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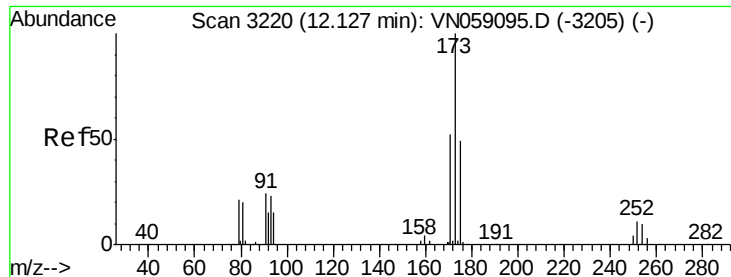
MMDadoda
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#70
Styrene
Concen: 20.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	233398		
78	78	52.3	41.2	61.8	
103	103	55.7	43.8	65.6	





#71

Bromoform

Concen: 20.878 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

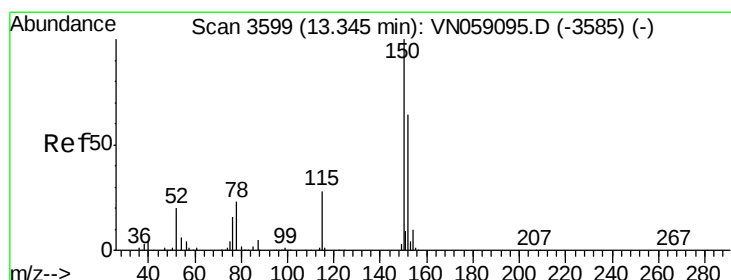
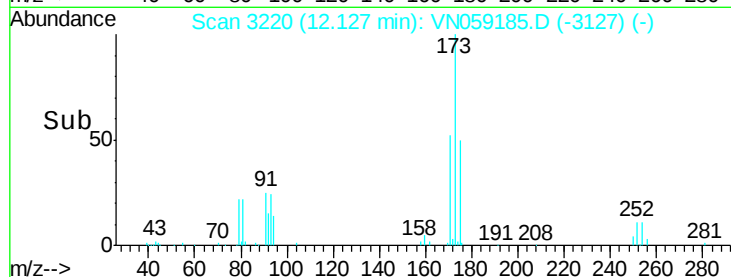
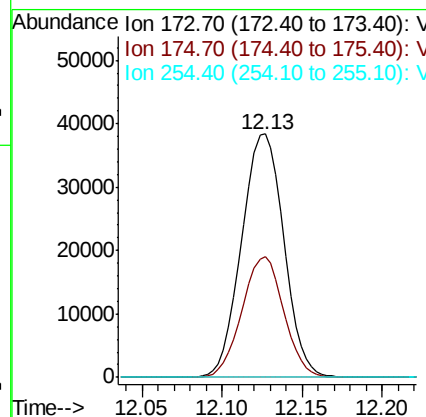
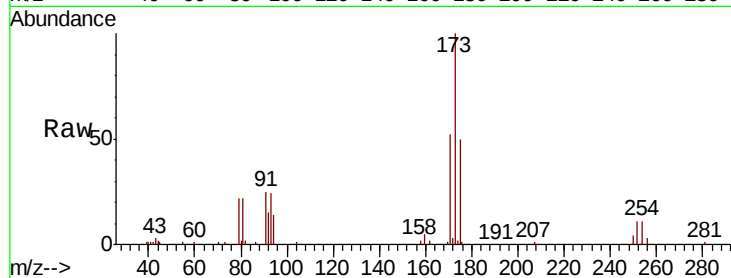
ClientSampleId :

VN1112MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

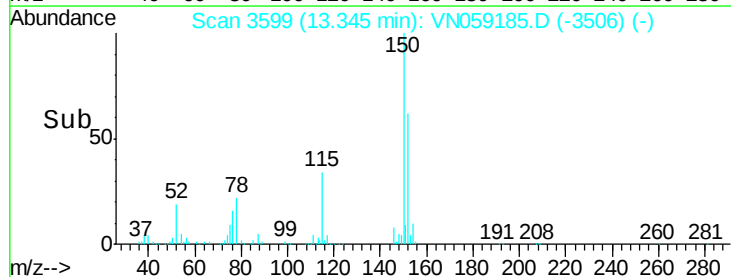
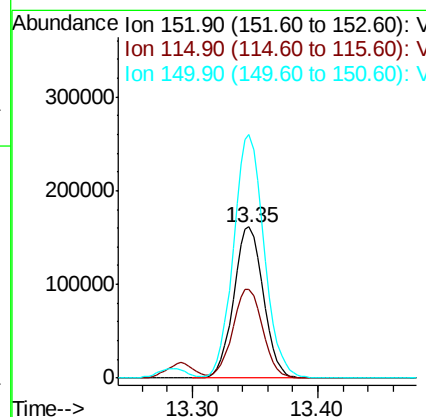
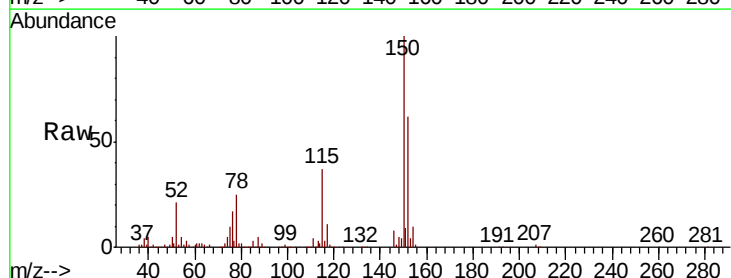
RT: 13.35 min Scan# 3599

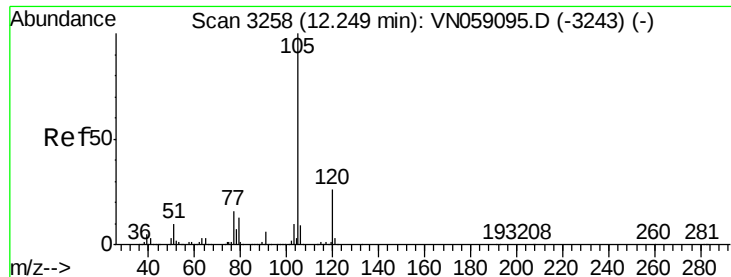
Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.2
150	166.5	0.0	345.8





#73

Isopropylbenzene

Concen: 20.855 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion: 105 Resp: 400554

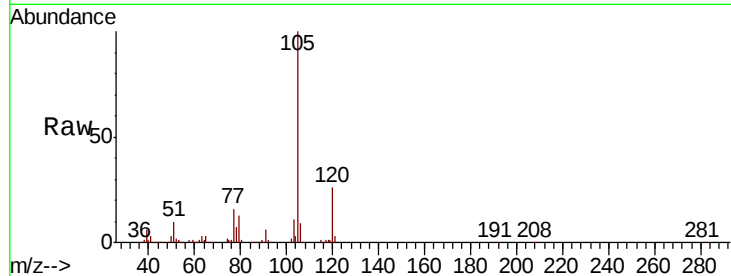
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3

Manual Integrations
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11/13/2019 12:07:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

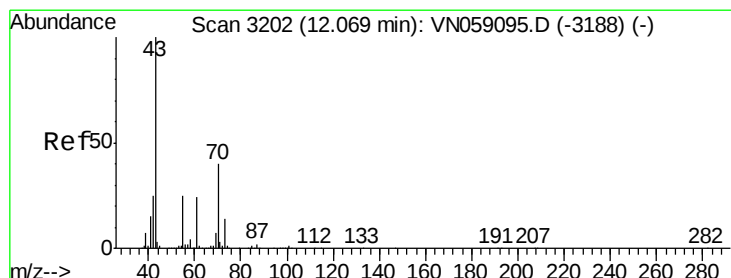
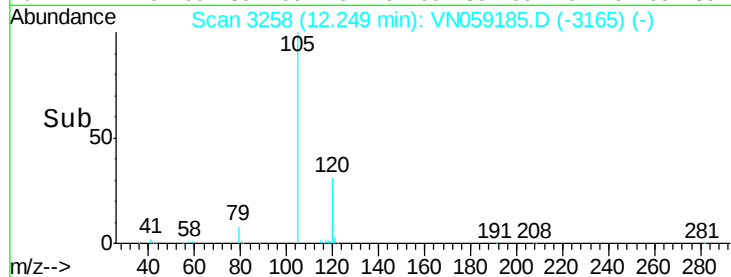
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.913 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion: 43 Resp: 170198

Ion Ratio Lower Upper

43 100

70 41.7 32.2 48.4

55 27.4 20.4 30.6

61 23.7 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

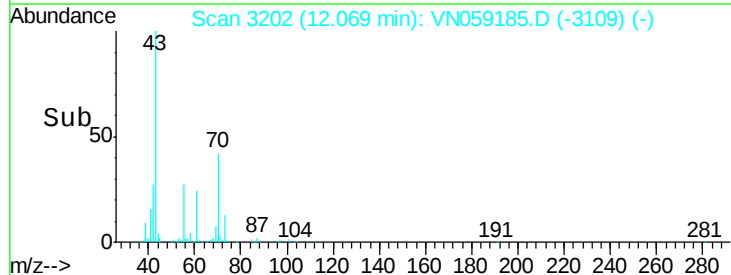
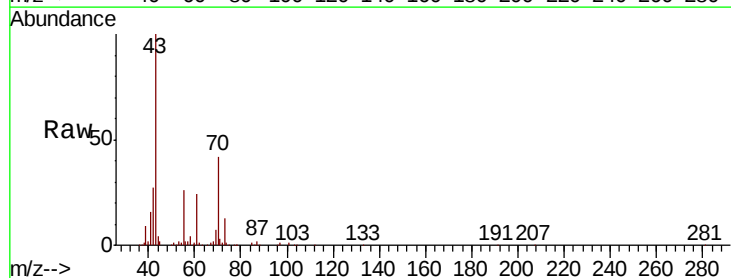
100000

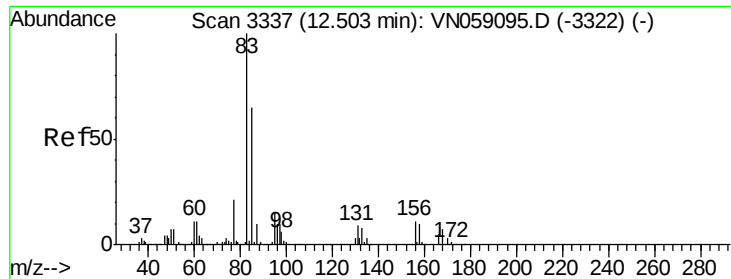
50000

0

12.00 12.07 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

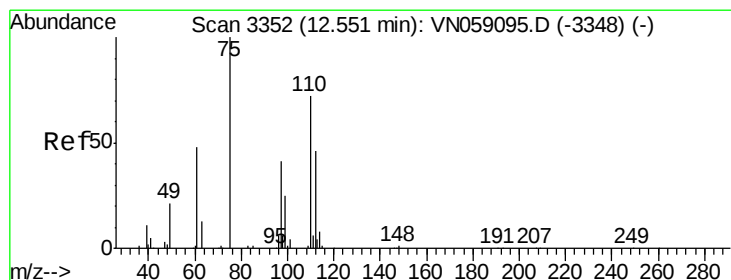
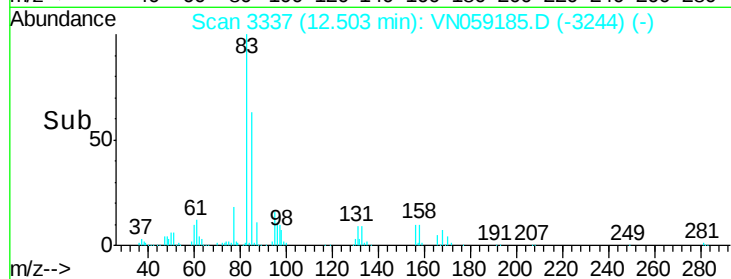
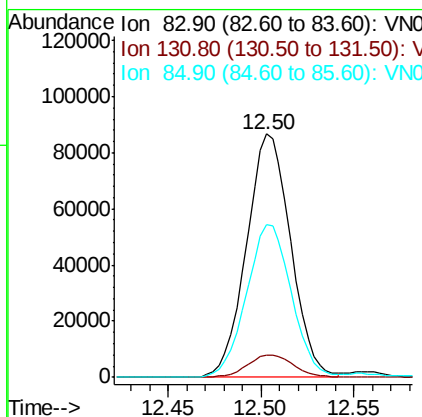
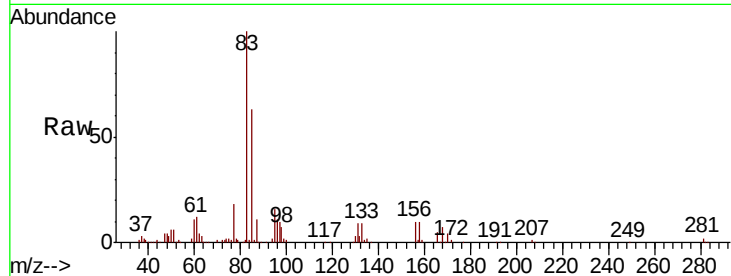
ClientSampleId :

VN1112MBS01

Tot Ion:	83	Resp:	143329
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.7	32.4	97.2

Manual Integrations
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MMDadoda
11/13/2019 12:07:45 PM



#76

1,2,3-Trichloropropane

Concen: 22.493 ug/l m

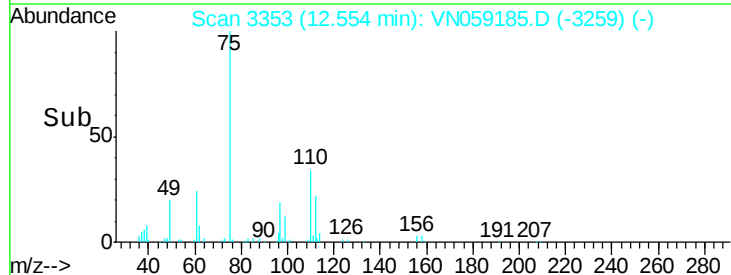
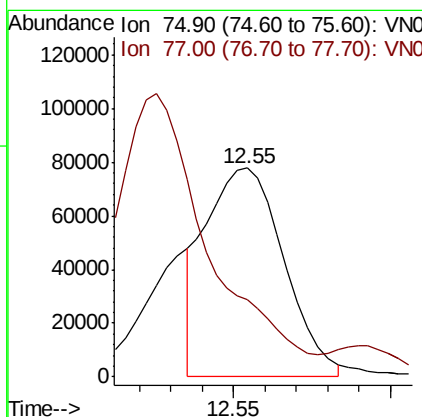
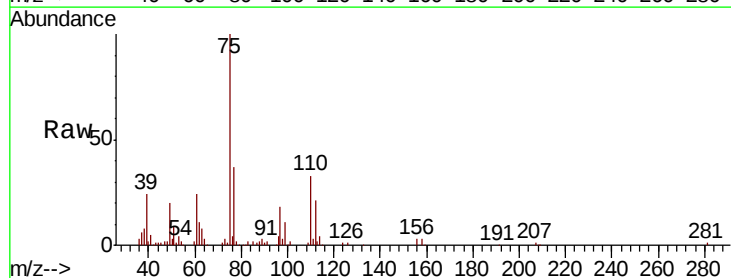
RT: 12.55 min Scan# 3353

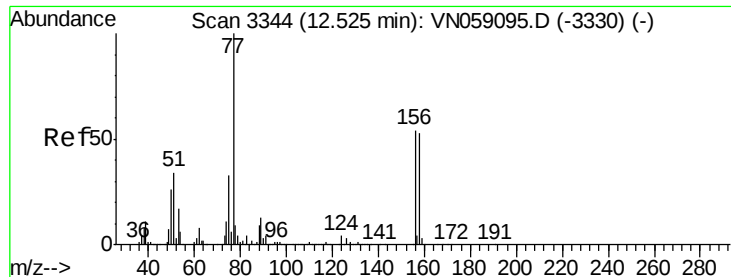
Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	75	Resp:	135216
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.331 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

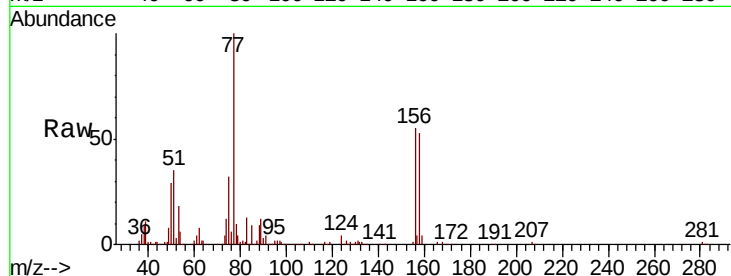
ClientSampleId :

VN1112MBS01

Tot Ion:	156	Resp:	98105
Ion Ratio	Lower	Upper	
156	100		
77	224.9	112.8	338.3
158	97.4	48.4	145.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

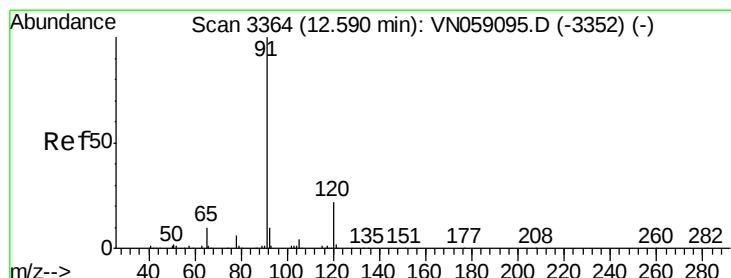
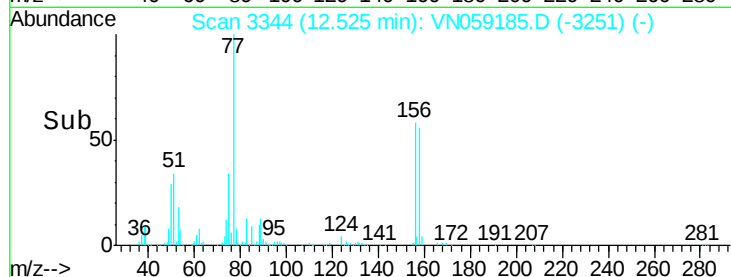
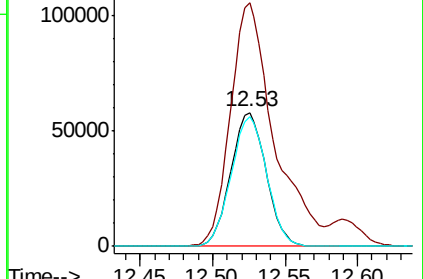
Ion 157.80 (157.50 to 158.50): V

100000

50000

0

12.45 12.50 12.55 12.60



#78

n-propylbenzene

Concen: 21.102 ug/l

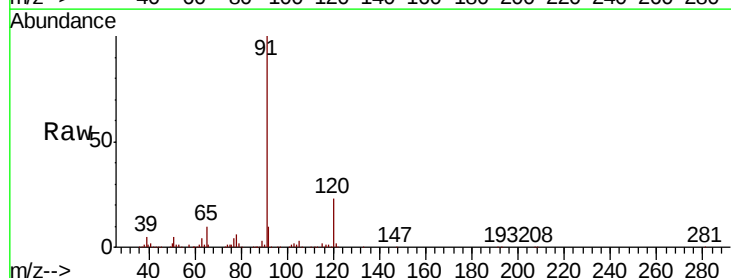
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	91	Resp:	464070
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

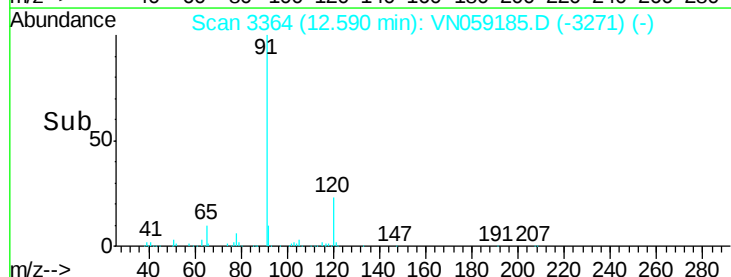
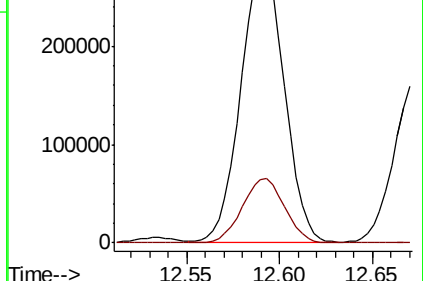
300000

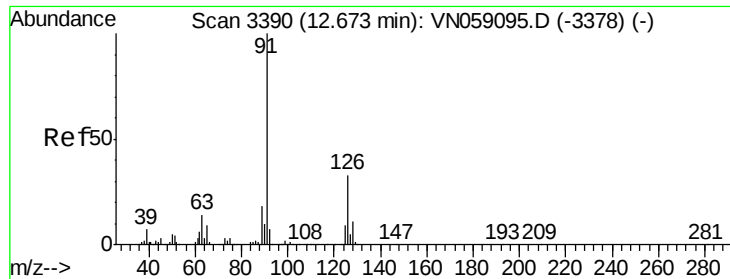
200000

100000

0

12.55 12.60 12.65





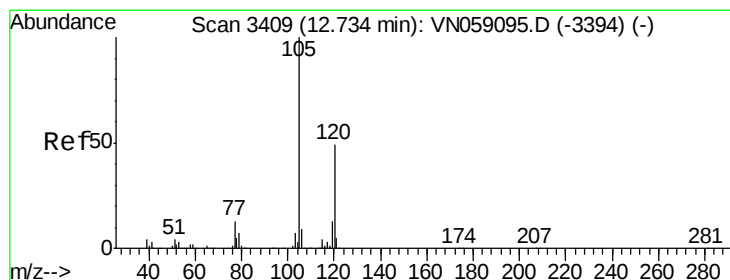
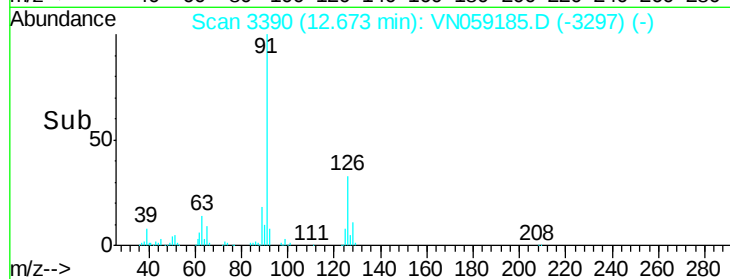
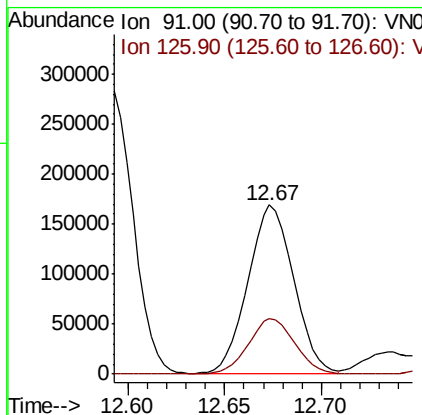
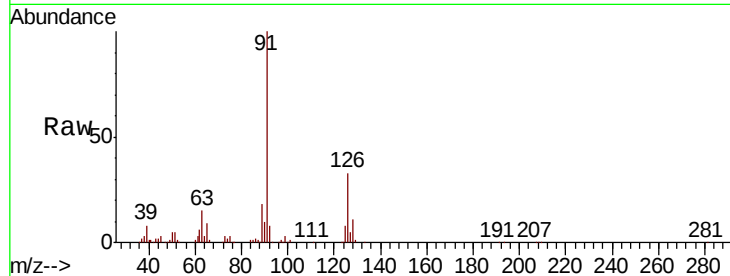
#79
 2-Chlorotoluene
 Concen: 20.529 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion: 91 Resp: 280069
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.7 50.1

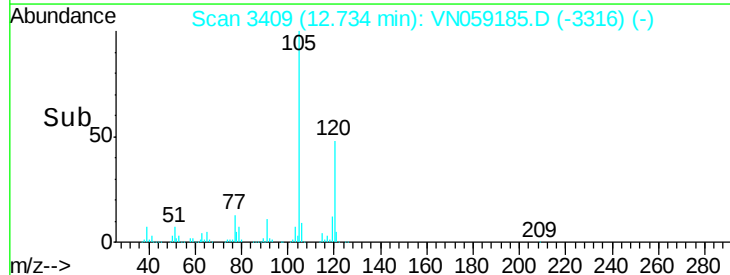
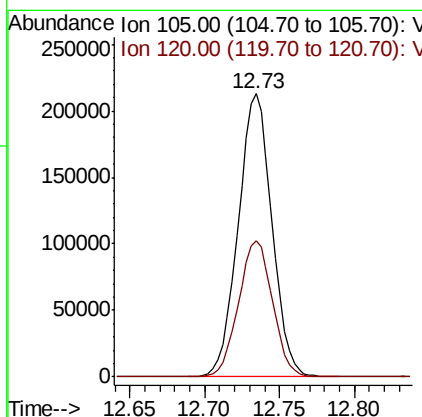
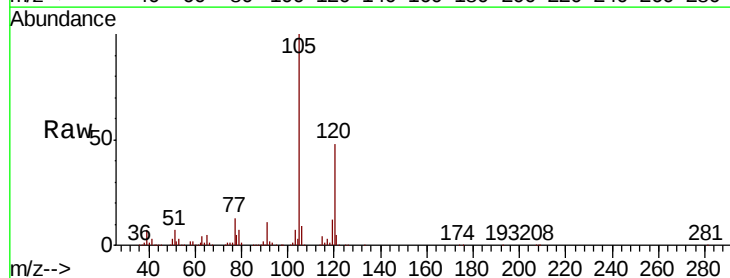
Manual Integrations
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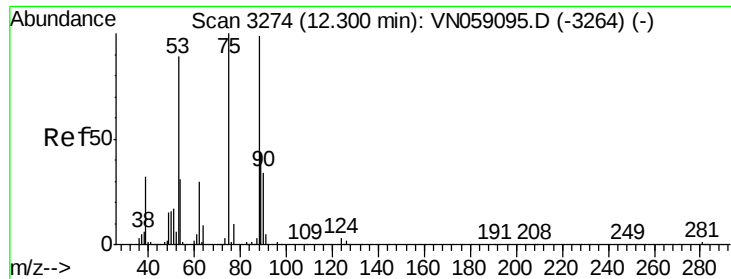
MMDadoda
 11/13/2019 12:07:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.513 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion: 105 Resp: 333850
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0





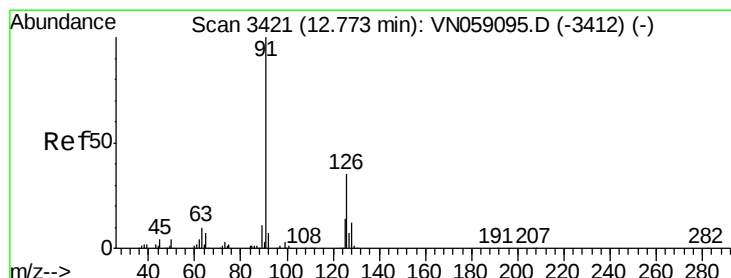
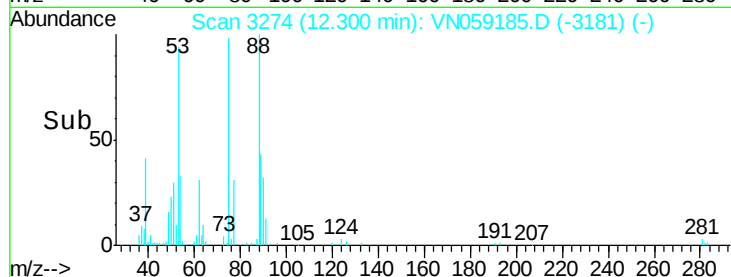
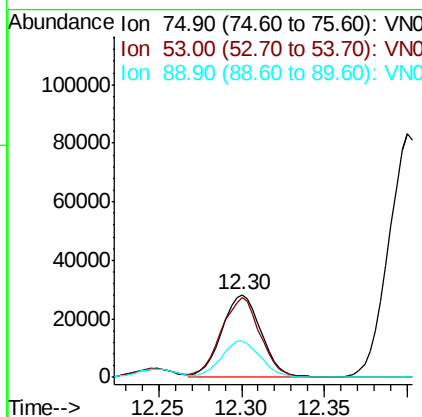
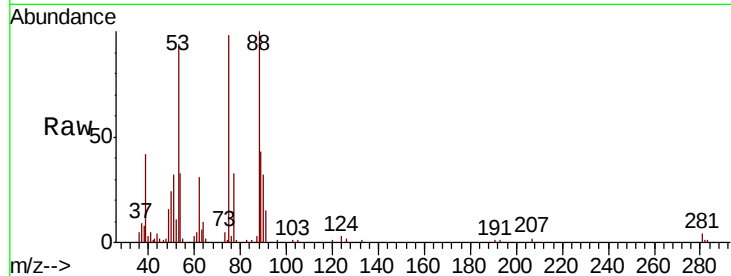
#81
trans-1,4-Dichloro-2-butene
Concen: 20.155 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	72.2	108.2
89	44.7	35.8	53.8

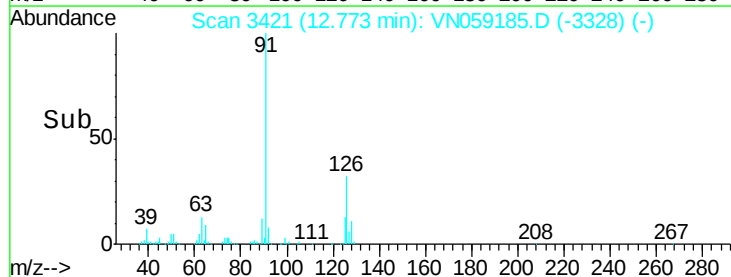
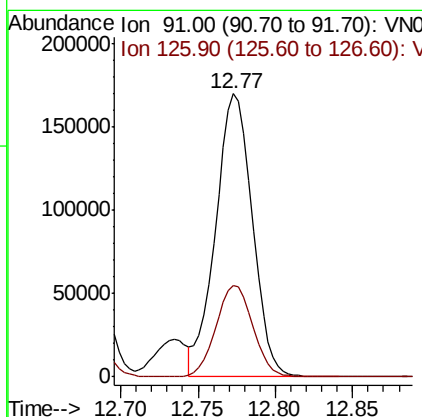
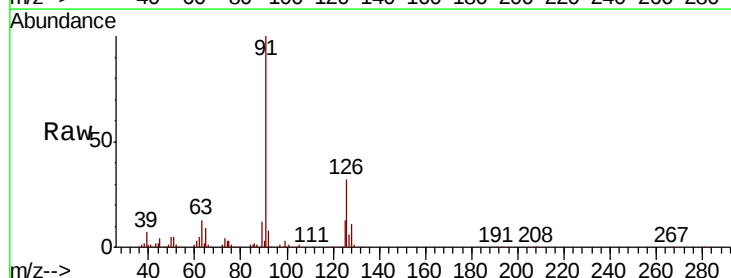
Manual Integrations
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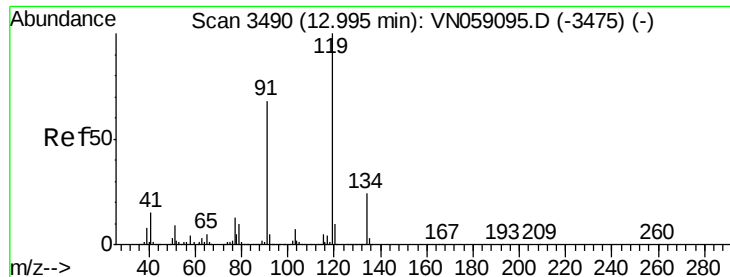
MMDadoda
11/13/2019 12:07:45 PM



#82
4-Chlorotoluene
Concen: 20.396 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





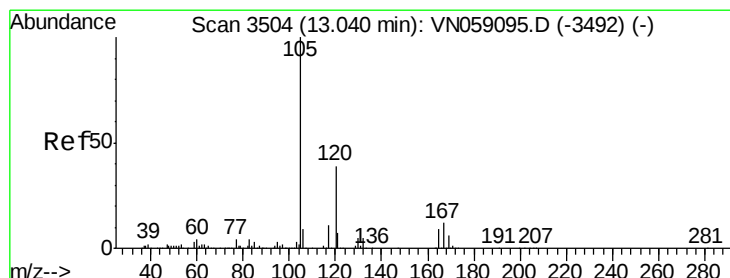
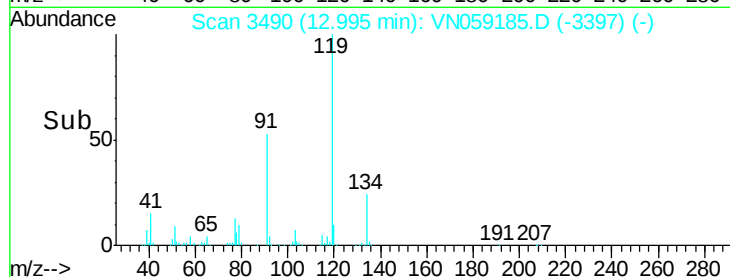
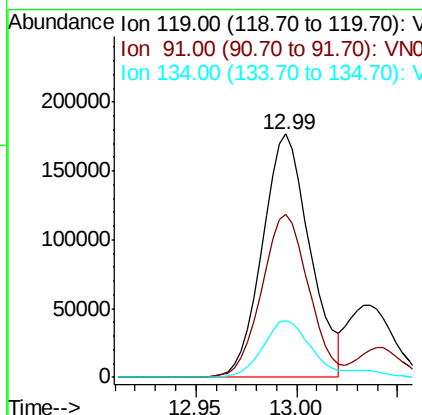
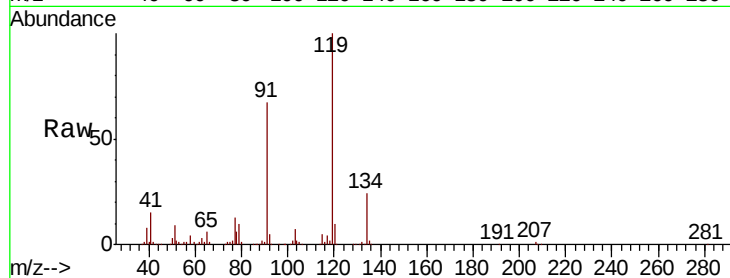
#83
tert-Butylbenzene
Concen: 20.616 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.2	99.6
134	23.4	12.7	38.1

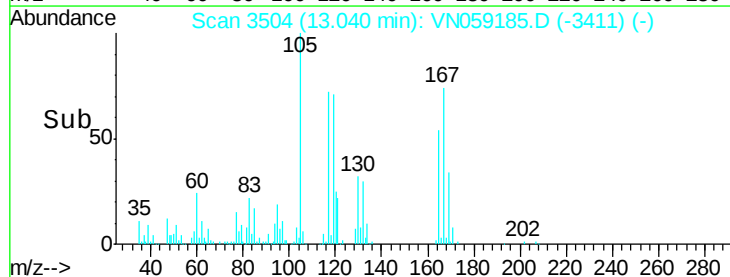
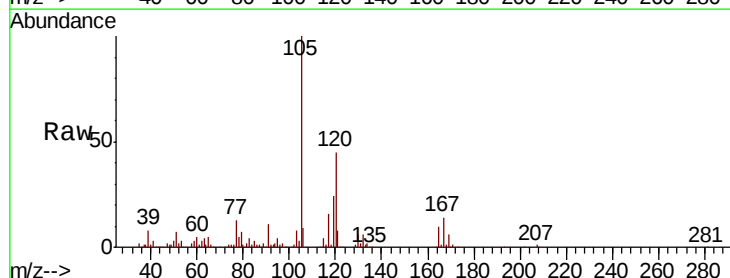
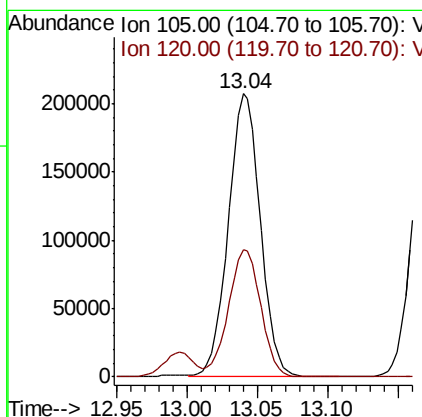
Manual Integrations
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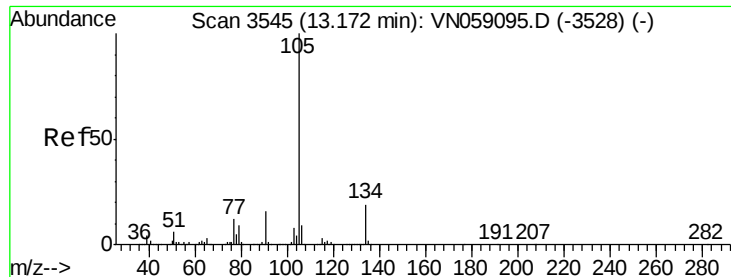
MMDadoda
11/13/2019 12:07:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.824 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.701 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBS01

Tot Ion:105 Resp: 378392

Ion Ratio Lower Upper

105 100

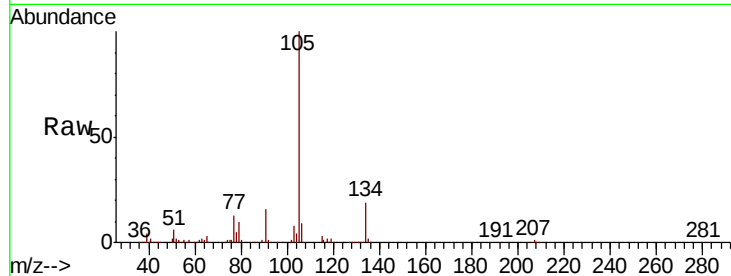
134 19.5 9.7 29.1

Manual Integrations

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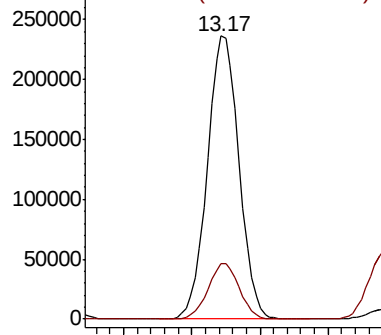
MMDadoda

11/13/2019 12:07:45 PM

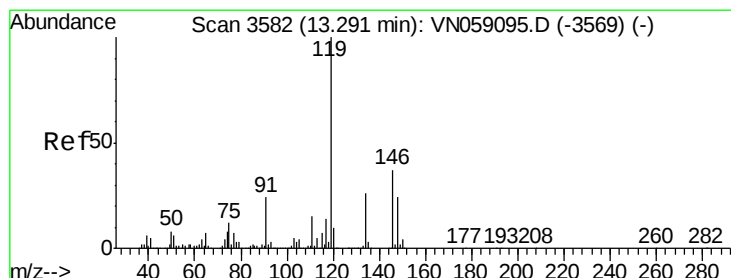
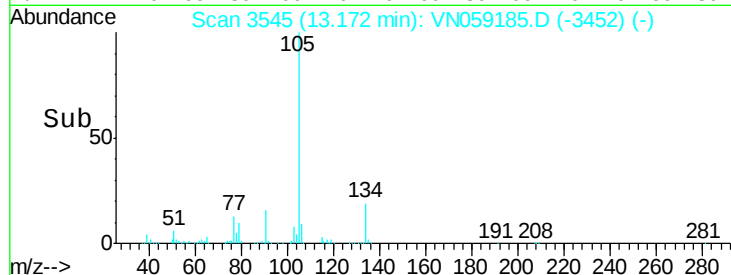


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.616 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

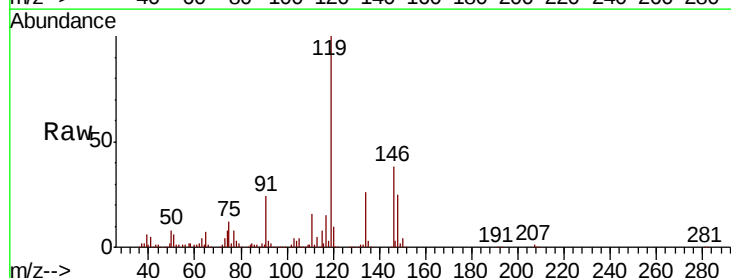
Tgt Ion:119 Resp: 332729

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

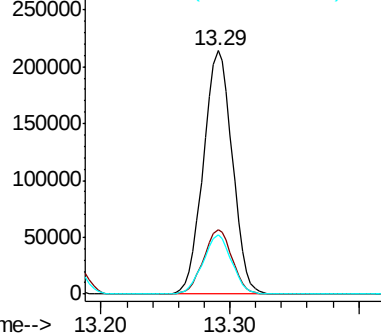
91 24.1 11.7 35.1



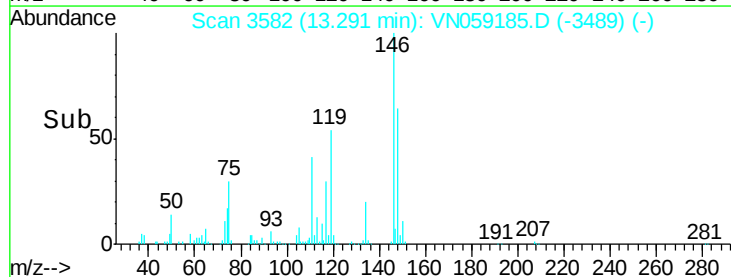
Abundance Ion 119.00 (118.70 to 119.70): V

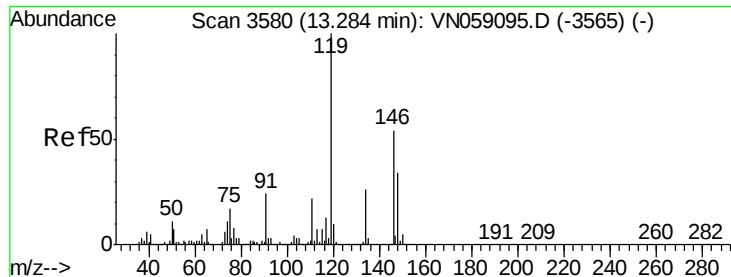
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





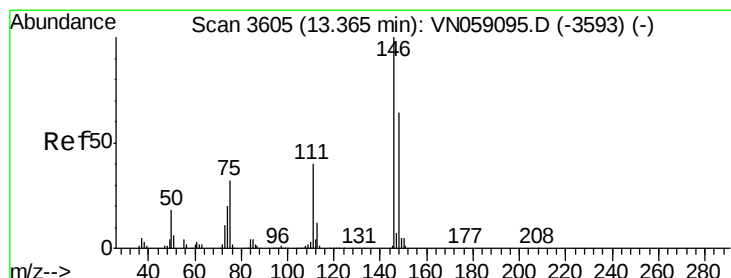
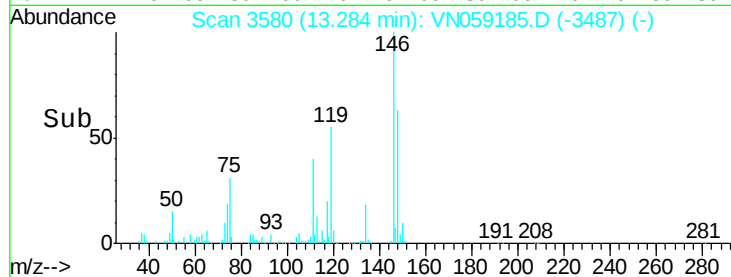
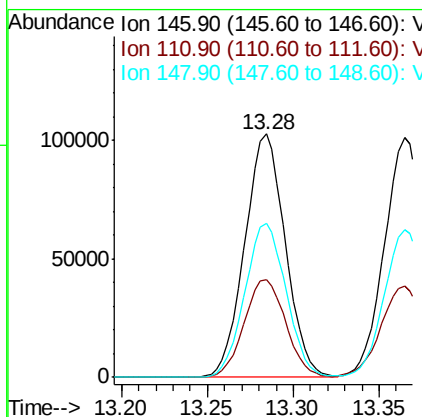
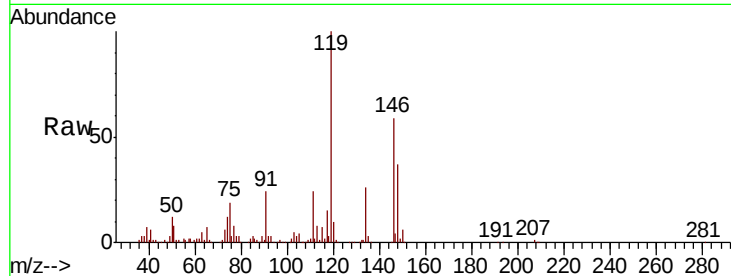
#87
 1,3-Dichlorobenzene
 Concen: 20.391 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168499		
111	41.1	20.4	61.3	
148	64.4	32.2	96.6	

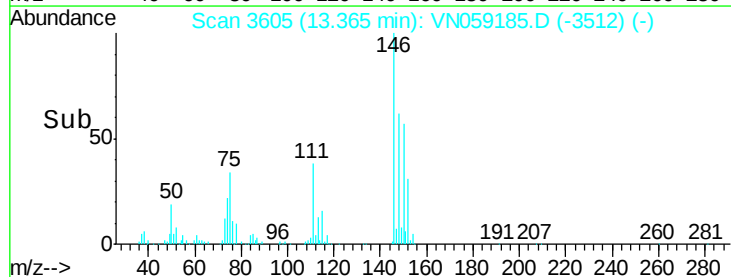
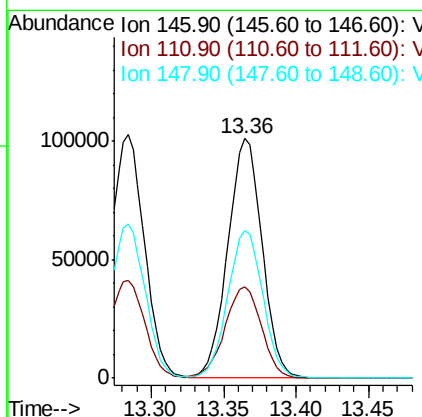
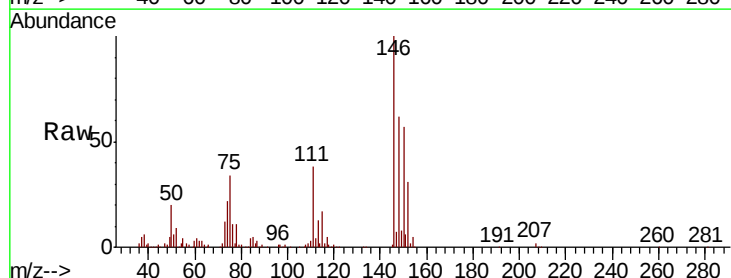
Manual Integrations
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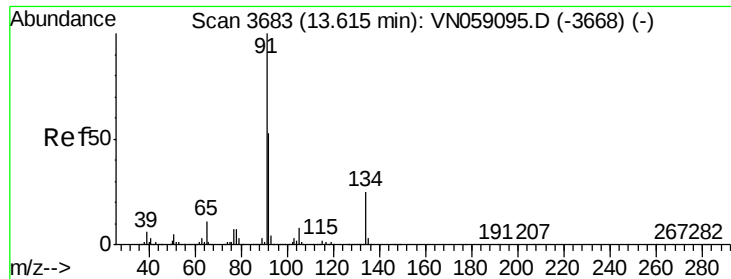
MMDadoda
 11/13/2019 12:07:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166098		
111	40.3	20.3	60.9	
148	62.8	31.9	95.7	





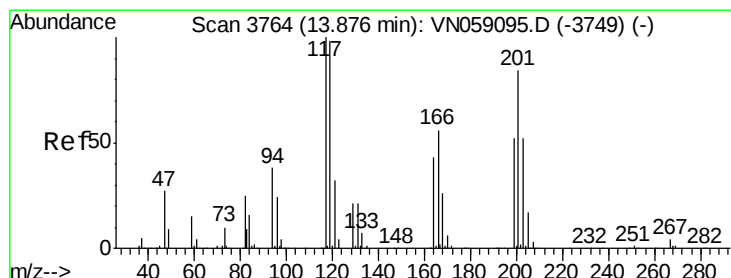
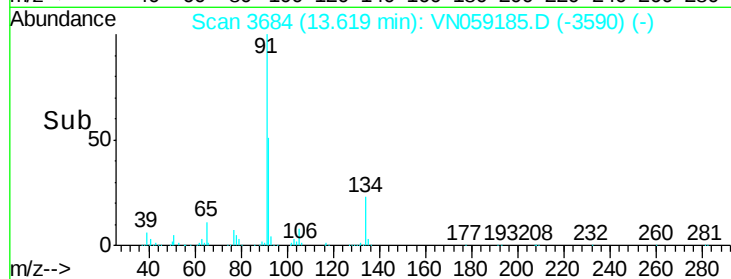
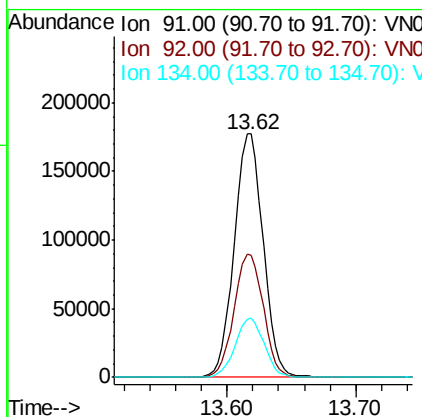
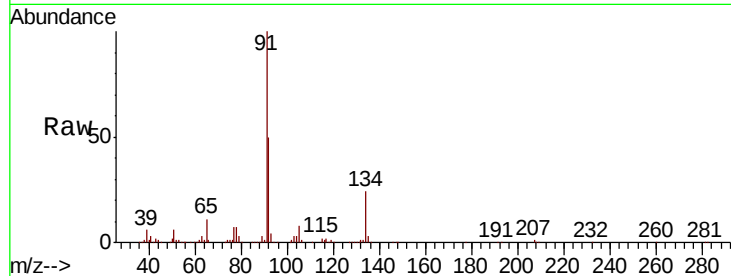
#89
n-Butylbenzene
Concen: 19.620 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.3
134	24.5	12.6	37.8

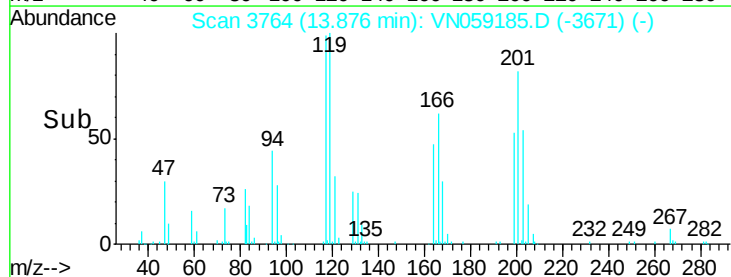
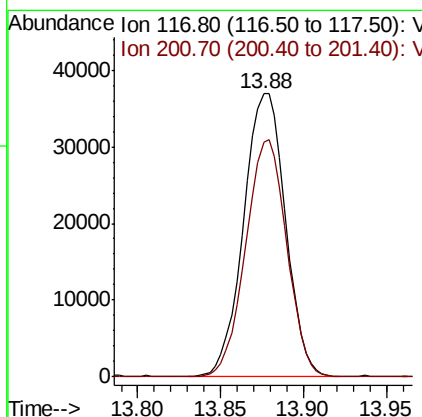
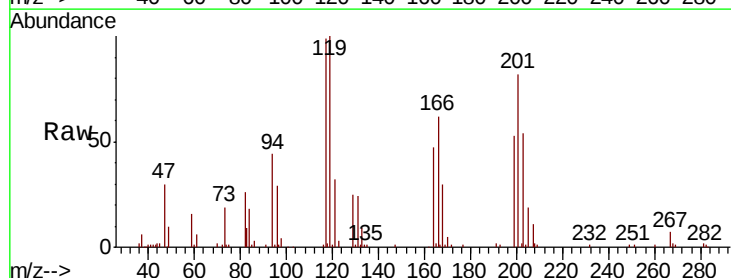
Manual Integrations
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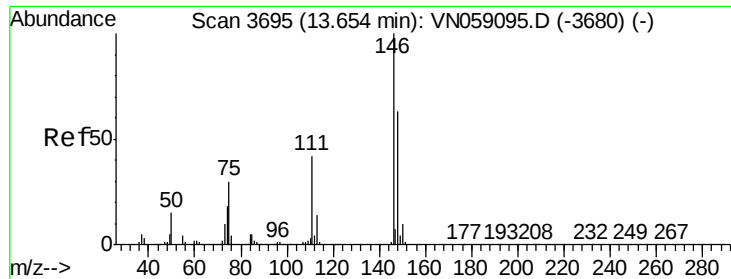
MMDadoda
11/13/2019 12:07:45 PM



#90
Hexachloroethane
Concen: 20.033 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059185.D
Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.8	125.3





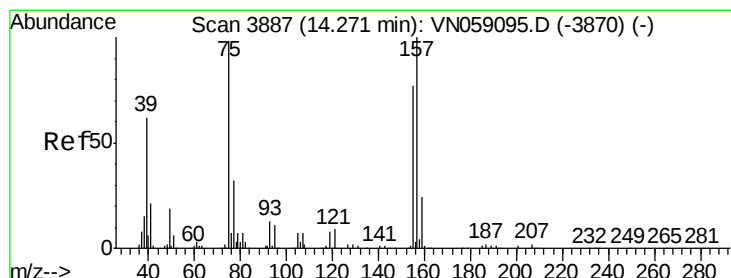
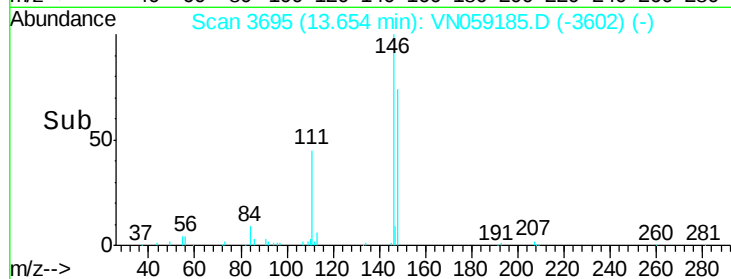
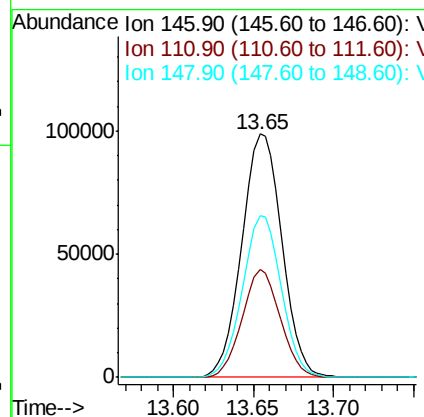
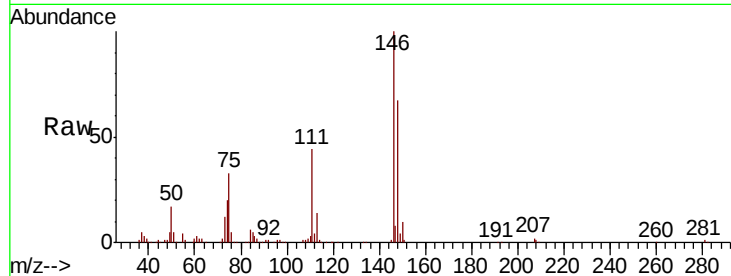
#91
 1,2-Dichlorobenzene
 Concen: 20.789 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.3	31.6	94.7

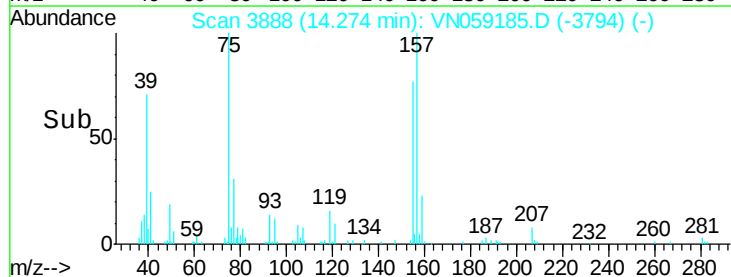
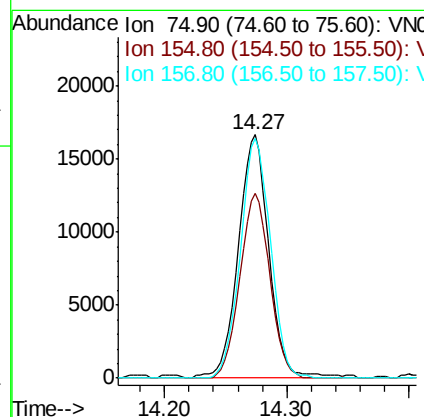
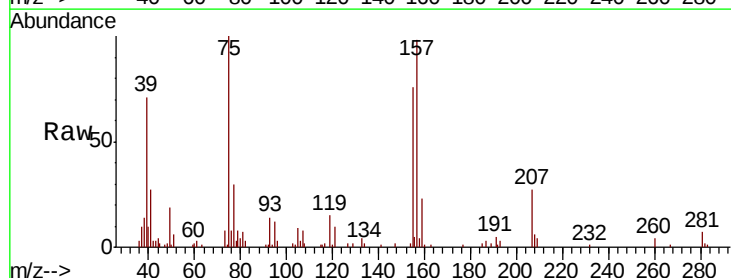
Manual Integrations
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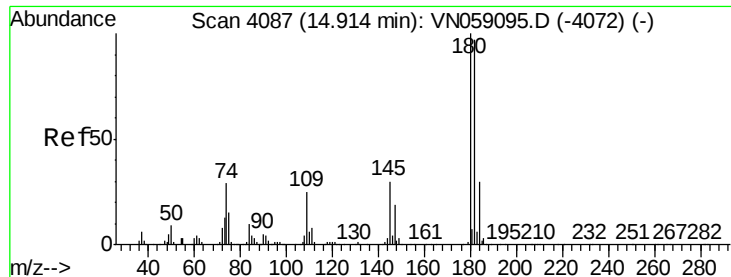
MMDadoda
 11/13/2019 12:07:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.117 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	40.2	120.6
157	96.6	51.8	155.5





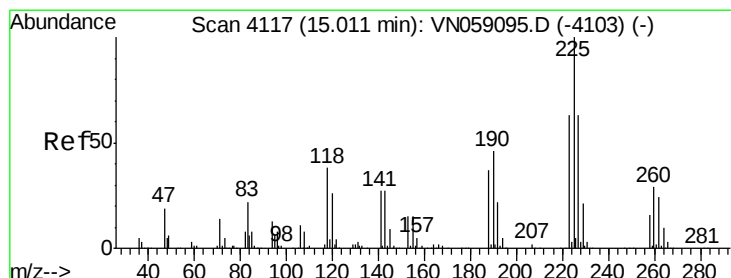
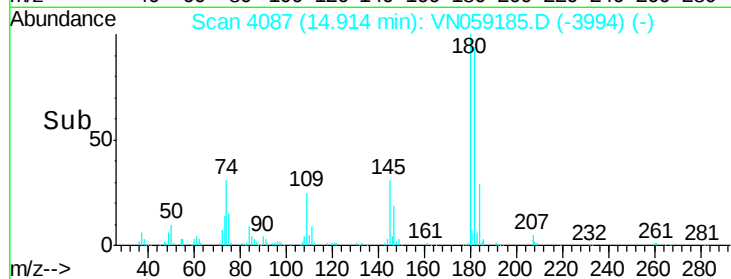
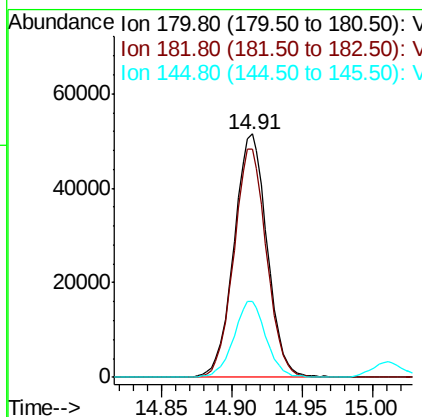
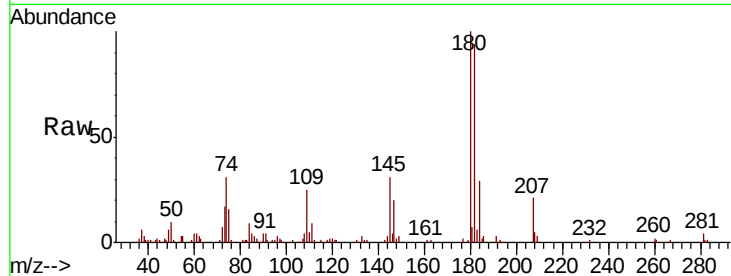
#93
 1,2,4-Trichlorobenzene
 Concen: 19.177 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.1	144.3
145	30.3	15.1	45.3

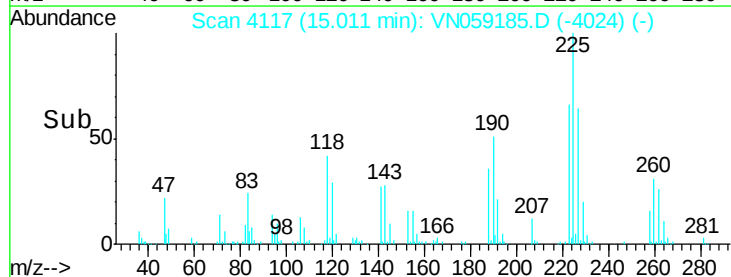
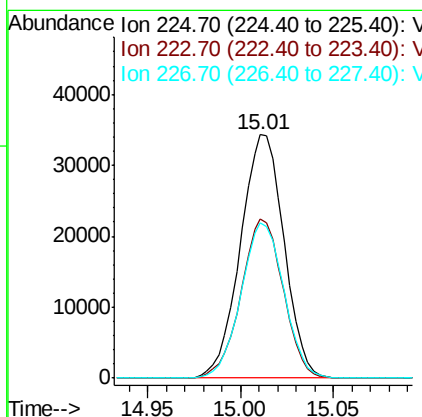
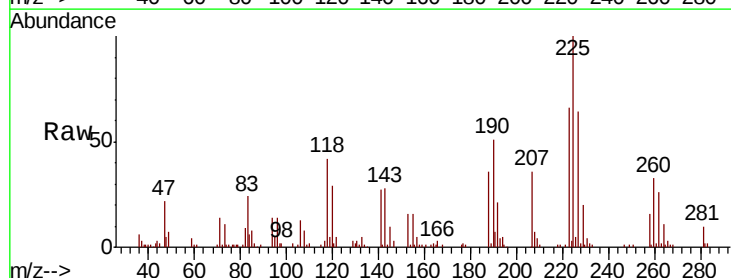
Manual Integrations
 APPROVED

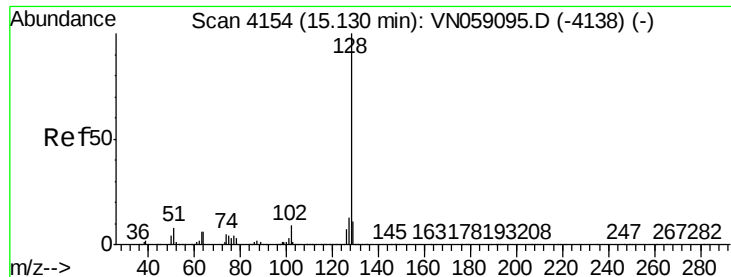
MMDadoda
 11/13/2019 12:07:45 PM



#94
 Hexachlorobutadiene
 Concen: 19.996 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059185.D
 Acq: 12 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.9
227	62.9	31.5	94.5





#95

Naphthalene

Concen: 18.447 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Instrument :

MSVOA_N

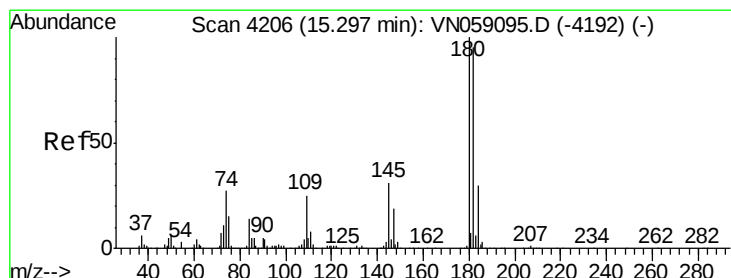
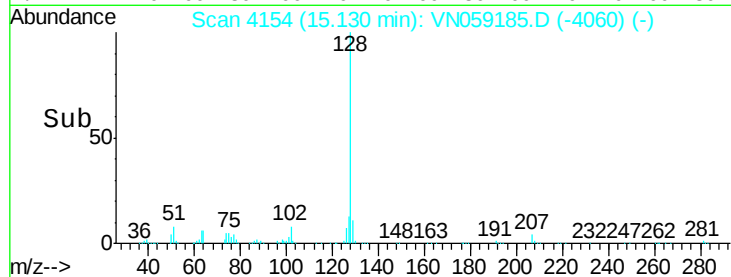
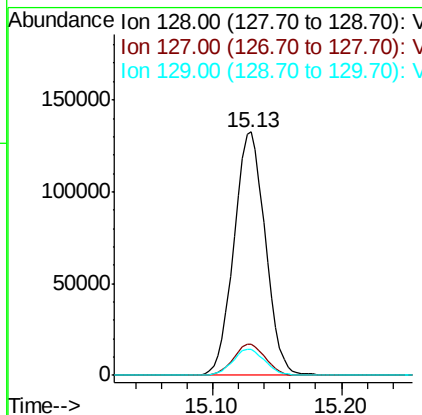
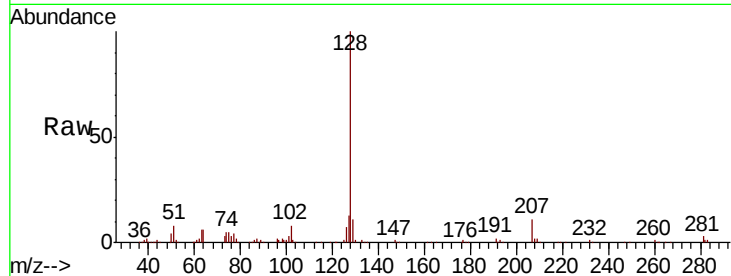
ClientSampleId :

VN1112MBS01

Tot Ion:	128	Resp:	224411
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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11/13/2019 12:07:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.314 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059185.D

Acq: 12 Nov 2019 13:17

Tgt Ion:	180	Resp:	87983
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	141.8
145	31.6	15.8	47.3

