

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059182.D
 Acq On : 12 Nov 2019 12:10
 Operator : JC/SP
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:50 PM

Quant Time: Nov 13 06:02:40 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	415112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	261752	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.57	113	198727	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.08	98	755200	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	266289	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75389	18.025	ug/l	99
3) Chloromethane	2.04	50	106553	18.742	ug/l	98
4) Vinyl Chloride	2.17	62	110185	19.990	ug/l	100
5) Bromomethane	2.54	94	62895	19.828	ug/l	100
6) Chloroethane	2.68	64	65875	20.203	ug/l	99
7) Trichlorofluoromethane	3.00	101	136148	20.650	ug/l	98
8) Diethyl Ether	3.39	74	51606	19.264	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78011	19.624	ug/l	99
10) Methyl Iodide	3.93	142	89633	18.216	ug/l	97
11) Tert butyl alcohol	4.76	59	100792	103.644	ug/l	100
12) 1,1-Dichloroethene	3.72	96	74325	19.194	ug/l	98
13) Acrolein	3.58	56	37186	74.166	ug/l	99
14) Allyl chloride	4.30	41	148738	18.699	ug/l	97
15) Acrylonitrile	4.96	53	240257	99.273	ug/l	99
16) Acetone	3.79	43	248160	93.520	ug/l	99
17) Carbon Disulfide	4.03	76	208887	17.377	ug/l	98
18) Methyl Acetate	4.30	43	132505	21.038	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	265361	19.904	ug/l	98
20) Methylene Chloride	4.53	84	90607	19.600	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	80662	19.406	ug/l	100
22) Diisopropyl ether	5.92	45	304856	20.291	ug/l	92
23) Vinyl Acetate	5.87	43	1252310	107.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168217	20.046	ug/l	99
25) 2-Butanone	6.81	43	353600	101.109	ug/l	98
26) 2,2-Dichloropropane	6.80	77	142824	19.464	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96053	19.918	ug/l	99
28) Bromochloromethane	7.17	49	50628	20.053	ug/l	98
29) Tetrahydrofuran	7.19	42	231527	104.191	ug/l	99
30) Chloroform	7.35	83	168093	20.882	ug/l	99
31) Cyclohexane	7.63	56	144969	18.249	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	141312	20.880	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118437	19.435	ug/l	99
37) Ethyl Acetate	6.90	43	140619	20.742	ug/l	99
38) Carbon Tetrachloride	7.75	117	122711	20.231	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129494	18.309	ug/l	97
40) Benzene	8.02	78	367921	20.049	ug/l	99
41) Methacrylonitrile	7.16	41	72268m	24.514	ug/l	
42) 1,2-Dichloroethane	8.10	62	133943	21.281	ug/l	98
43) Isopropyl Acetate	8.14	43	217702	20.143	ug/l #	92
44) Trichloroethene	8.82	130	88923	19.712	ug/l	99
45) 1,2-Dichloropropane	9.10	63	99964	20.055	ug/l	100
46) Dibromomethane	9.19	93	62879	20.244	ug/l	99
47) Bromodichloromethane	9.39	83	127672	20.584	ug/l	97
48) Methyl methacrylate	9.18	41	97224	20.111	ug/l	99
49) 1,4-Dioxane	9.18	88	36174	421.045	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	695969	113.804	ug/l	98
52) Toluene	10.15	92	220521	20.049	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	140187	19.563	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	153485	19.912	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	89407	20.085	ug/l	97
56) Ethyl methacrylate	10.42	69	130449	18.785	ug/l	96
57) 1,3-Dichloropropane	10.70	76	157322	20.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	240945	97.259	ug/l	99
59) 2-Hexanone	10.74	43	510028	108.657	ug/l	98
60) Dibromochloromethane	10.90	129	96278	20.456	ug/l	100
61) 1,2-Dibromoethane	11.00	107	93195	20.681	ug/l	100
64) Tetrachloroethene	10.62	164	78686	19.142	ug/l	99
65) Chlorobenzene	11.43	112	231729	19.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87646	19.827	ug/l	97
67) Ethyl Benzene	11.51	91	410593	19.638	ug/l	99
68) m/p-Xylenes	11.62	106	304938	38.936	ug/l	99
69) o-Xylene	11.95	106	146448	19.349	ug/l	99
70) Styrene	11.96	104	231098	19.414	ug/l	99
71) Bromoform	12.13	173	67365	19.592	ug/l #	99
73) Isopropylbenzene	12.25	105	395877	20.082	ug/l	100
74) N-amyl acetate	12.07	43	167470	20.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	140909	20.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123122m	19.956	ug/l	
77) Bromobenzene	12.53	156	95350	19.252	ug/l	97
78) n-propylbenzene	12.59	91	459759	20.370	ug/l	99
79) 2-Chlorotoluene	12.67	91	277326	19.806	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333629	19.974	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45390	19.432	ug/l	96
82) 4-Chlorotoluene	12.77	91	274827	19.570	ug/l	100
83) tert-Butylbenzene	12.99	119	287755	19.949	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	326728	20.218	ug/l	100
85) sec-Butylbenzene	13.17	105	376475	20.068	ug/l	100
86) p-Isopropyltoluene	13.29	119	331479	20.011	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	166036	19.578	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	159589	18.807	ug/l	98
89) n-Butylbenzene	13.62	91	269150	18.565	ug/l	100
90) Hexachloroethane	13.88	117	64578	19.415	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	168334	20.177	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28111	21.004	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78961	17.696	ug/l	99
94) Hexachlorobutadiene	15.01	225	55575	19.320	ug/l	99
95) Naphthalene	15.13	128	213222	17.304	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	85931	18.379	ug/l	98

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

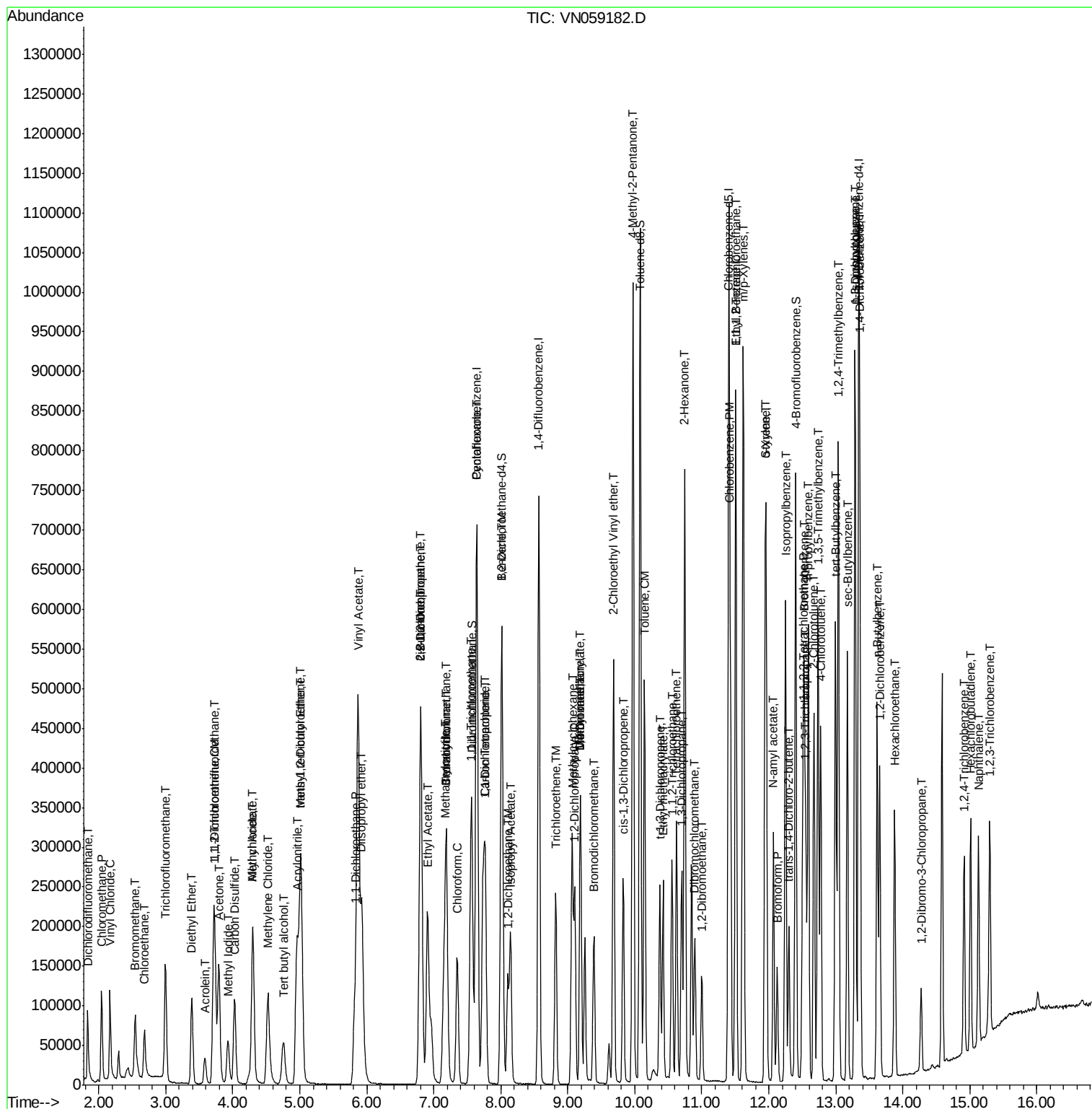
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion:168 Resp: 415112

Ion Ratio Lower Upper

168 100

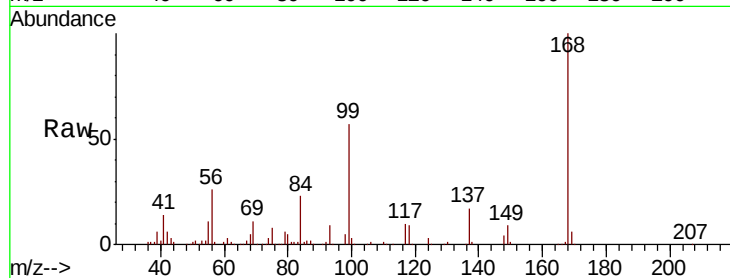
99 57.1 45.7 68.5

Manual Integrations

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11/13/2019 12:07:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

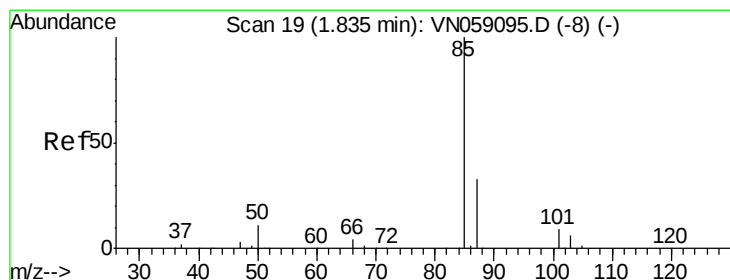
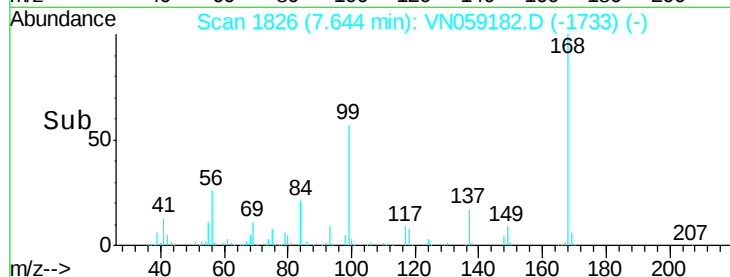
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.025 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059182.D

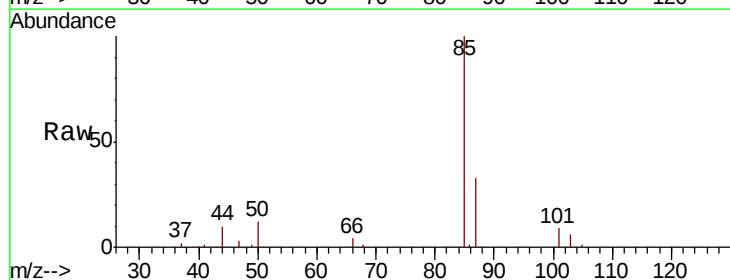
Acq: 12 Nov 2019 12:10

Tgt Ion: 85 Resp: 75389

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

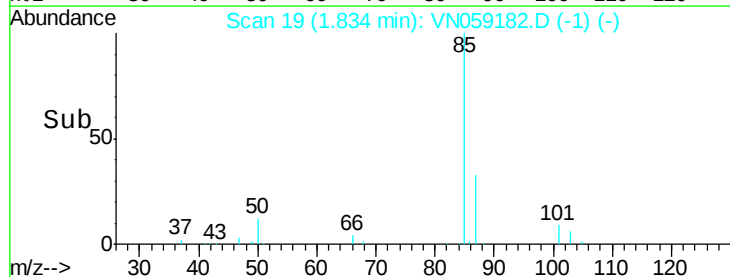
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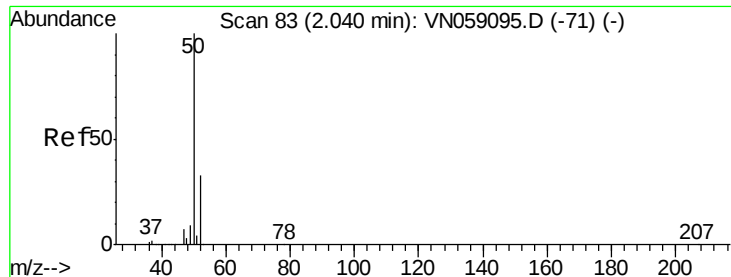
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.742 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 50 Resp: 106553

Ion Ratio Lower Upper

50 100

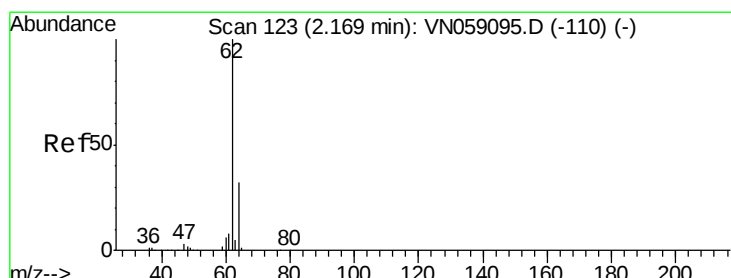
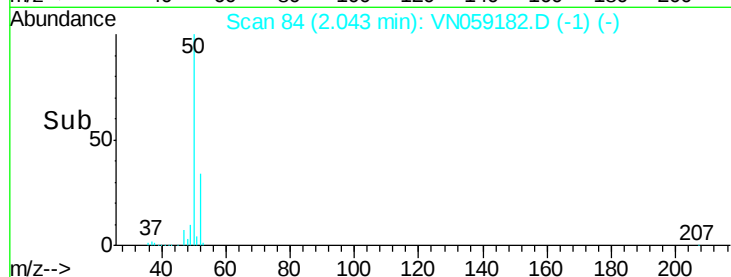
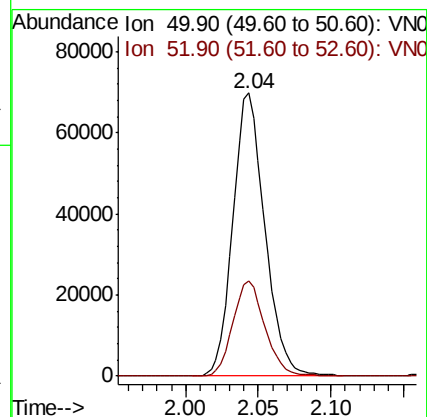
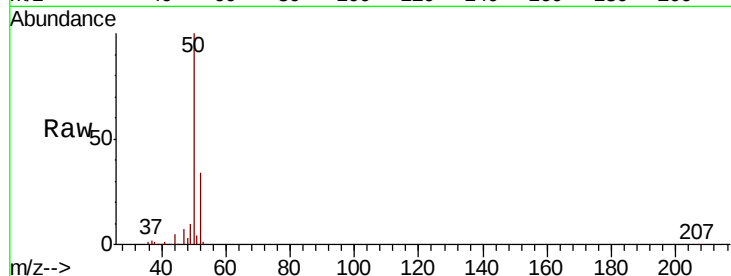
52 33.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.990 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059182.D

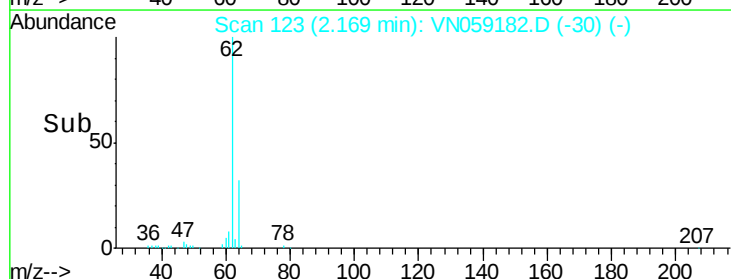
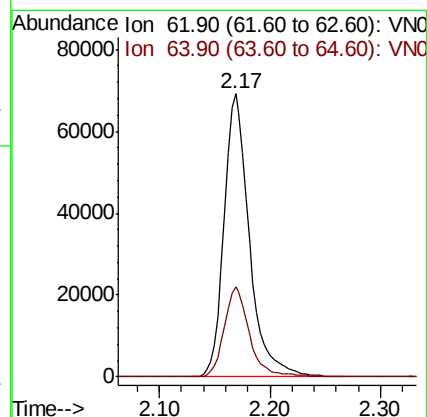
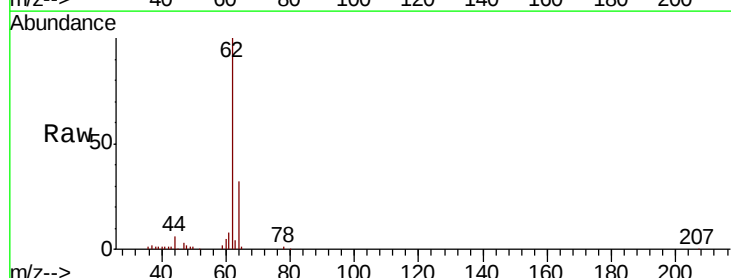
Acq: 12 Nov 2019 12:10

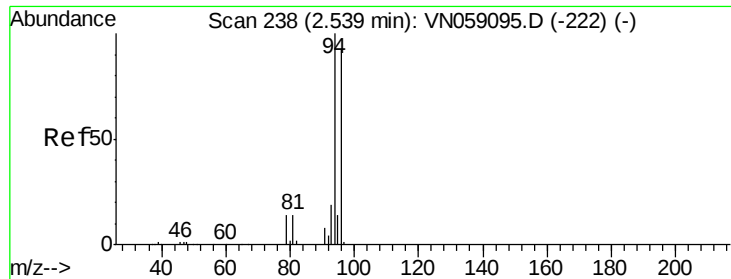
Tgt Ion: 62 Resp: 110185

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 19.828 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

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VN1112WBS01

Tot Ion: 94 Resp: 62895

Ion Ratio Lower Upper

94 100

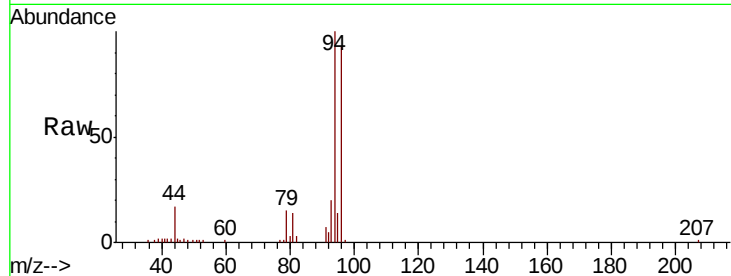
96 93.0 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

25000

20000

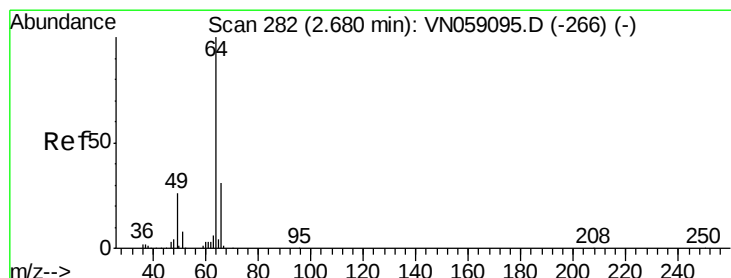
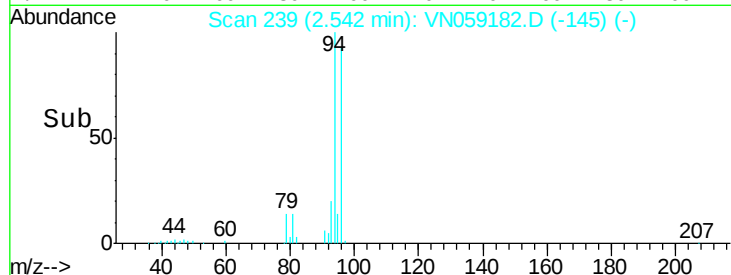
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.203 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059182.D

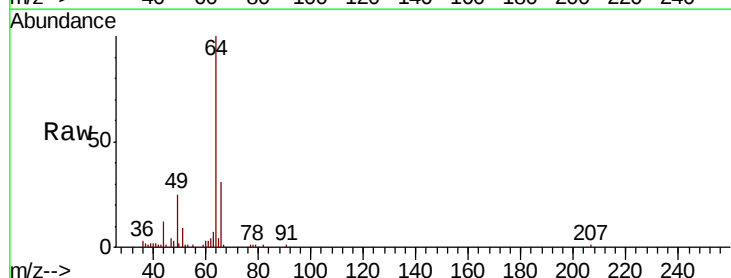
Acq: 12 Nov 2019 12:10

Tgt Ion: 64 Resp: 65875

Ion Ratio Lower Upper

64 100

66 30.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

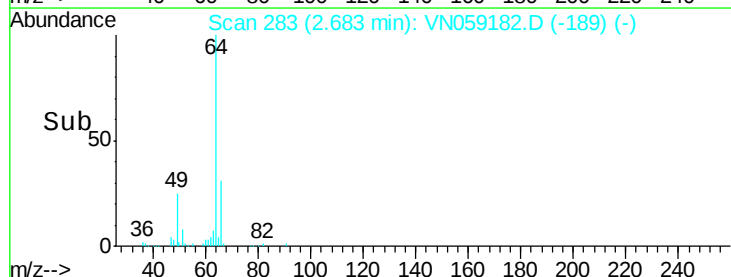
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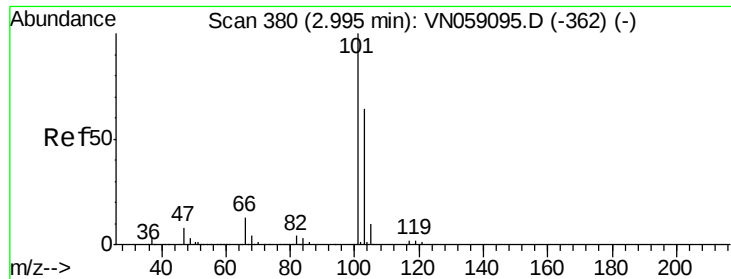
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10000

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Time-->





#7

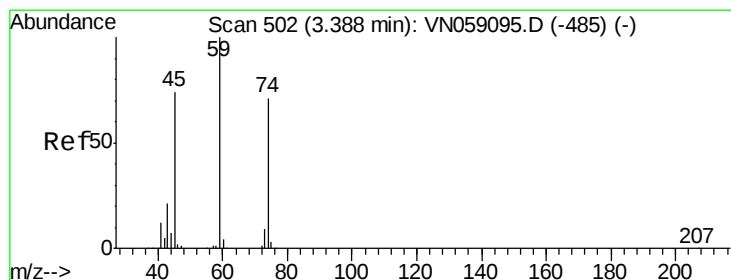
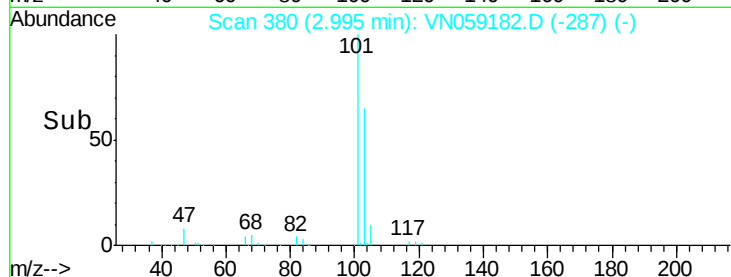
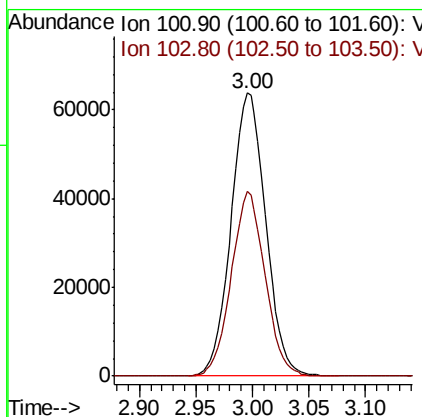
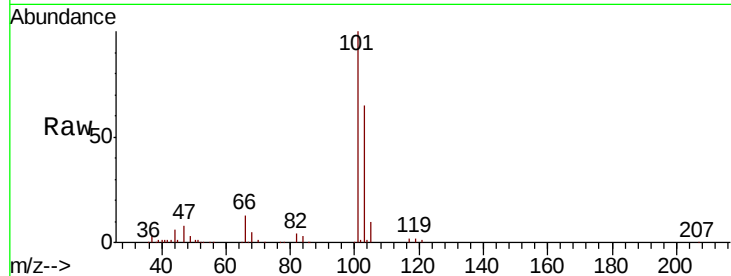
Trichlorofluoromethane
 Concen: 20.650 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Instrument :
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 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.2	76.8

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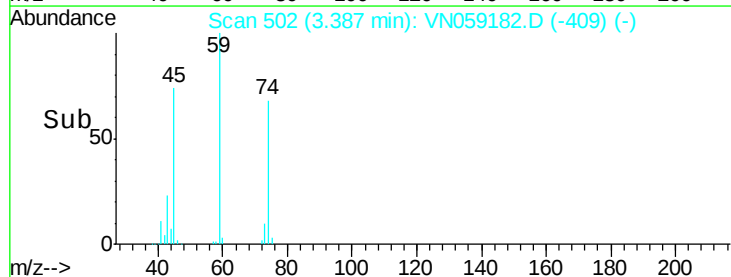
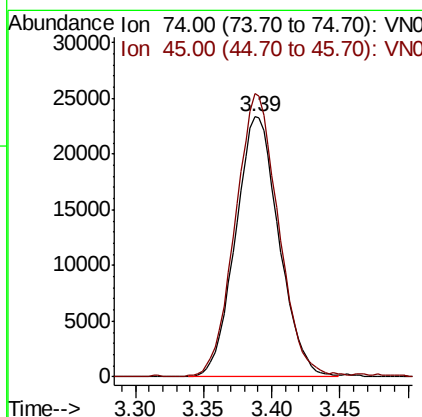
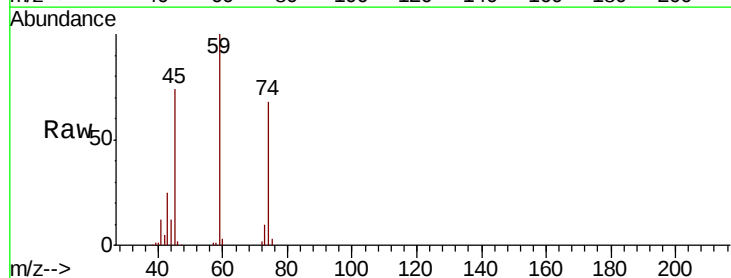
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#8

Diethyl Ether
 Concen: 19.264 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059182.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	51.6	154.9





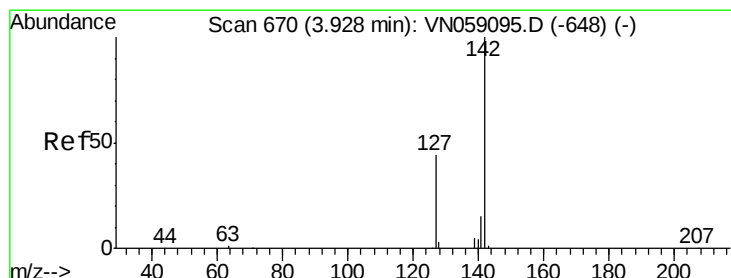
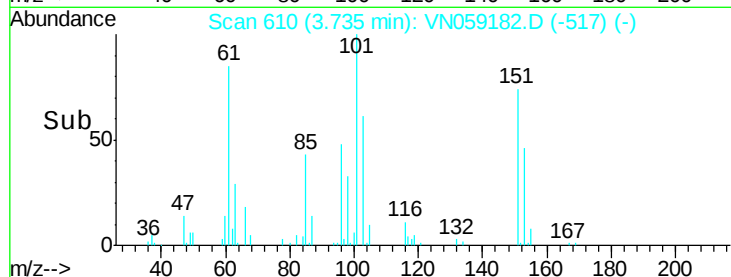
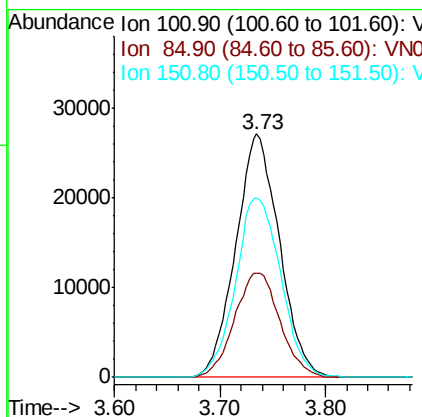
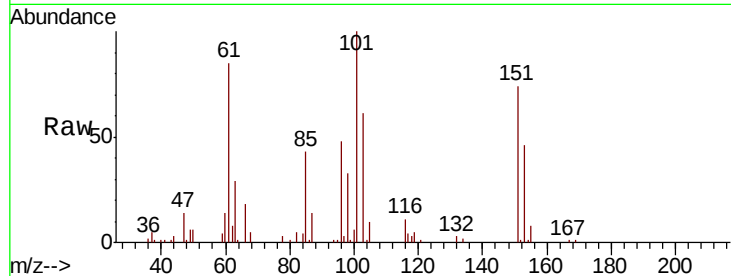
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.624 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78011		
85	44.6	35.5	53.3	
151	76.5	62.2	93.2	

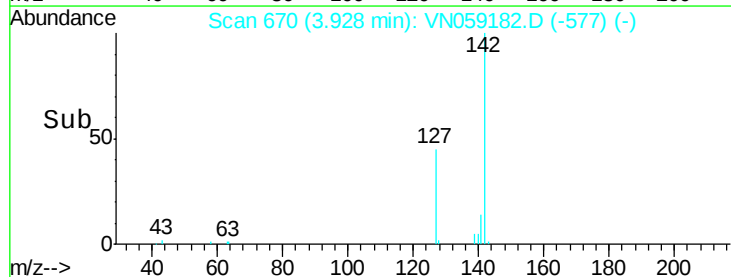
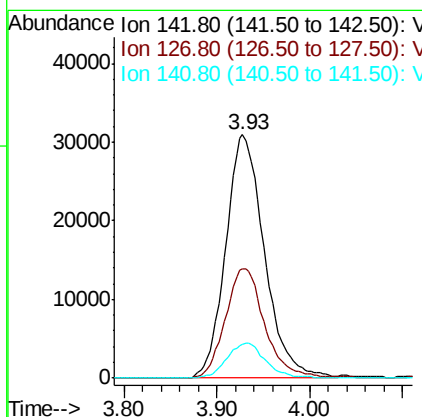
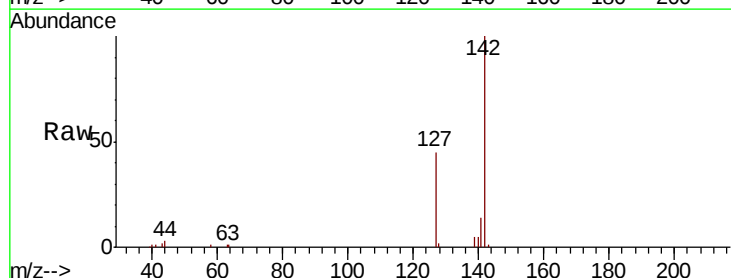
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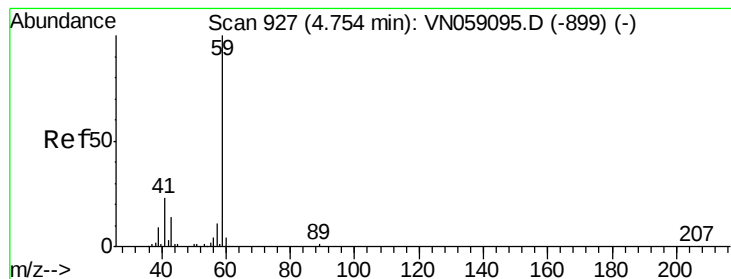
MMDadoda
 11/13/2019 12:07:50 PM



#10
 Methyl Iodide
 Concen: 18.216 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	89633		
127	45.7	34.2	51.2	
141	14.2	11.4	17.0	





#11

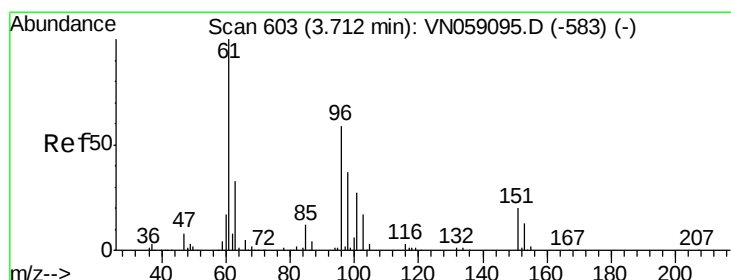
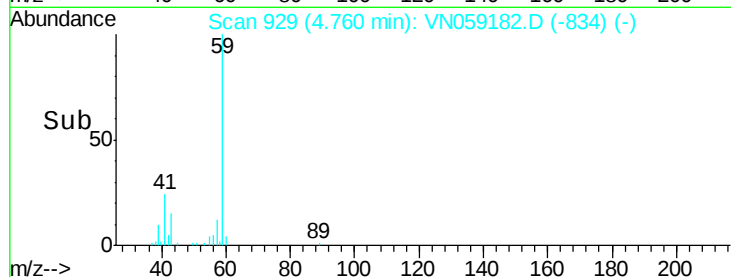
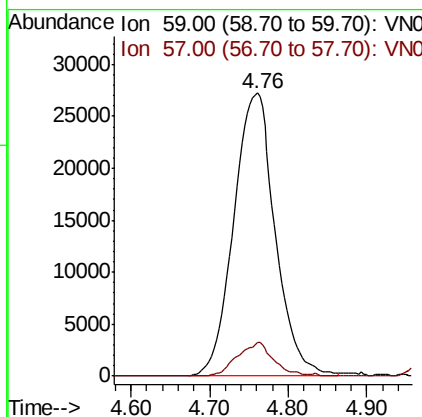
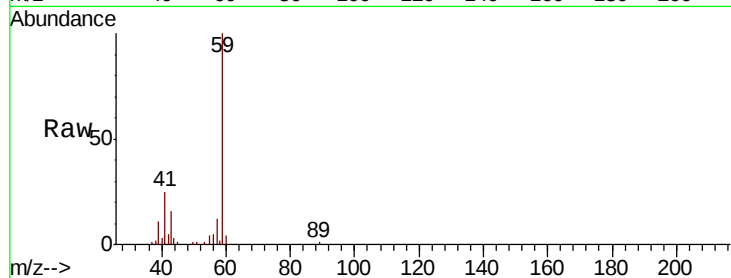
Tert butyl alcohol
Concen: 103.644 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	59	Resp	100792
Ion Ratio	100	Lower	Upper
57	10.3	8.3	12.5

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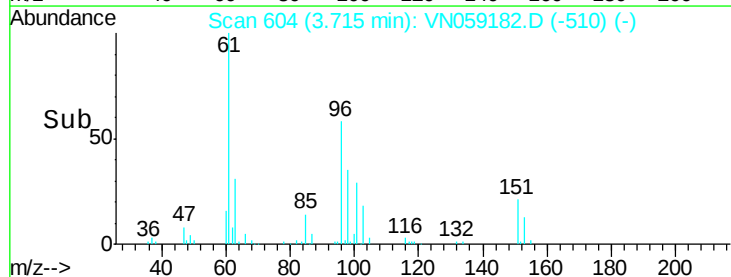
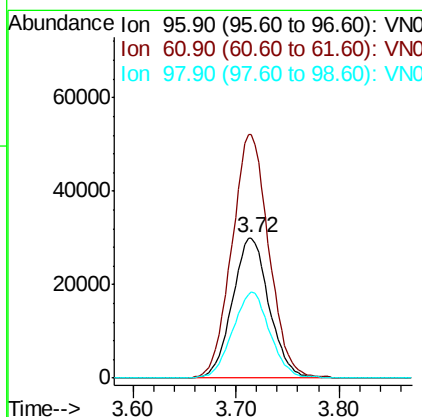
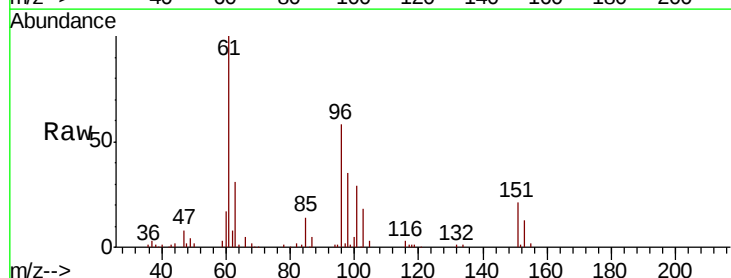
MMDadoda
11/13/2019 12:07:50 PM

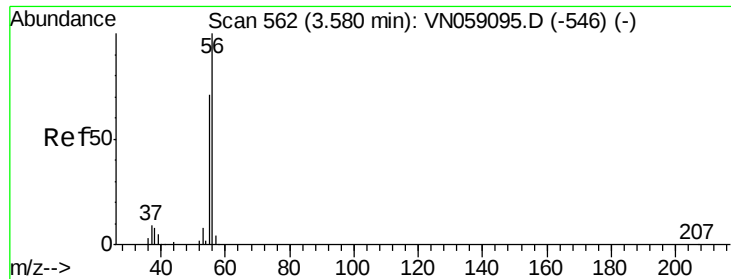


#12

1,1-Dichloroethene
Concen: 19.194 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	96	Resp	74325
Ion Ratio	100	Lower	Upper
61	173.8	136.5	204.7
98	61.4	50.2	75.4





#13

Acrolein

Concen: 74.166 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 56 Resp: 37186

Ion Ratio Lower Upper

56 100

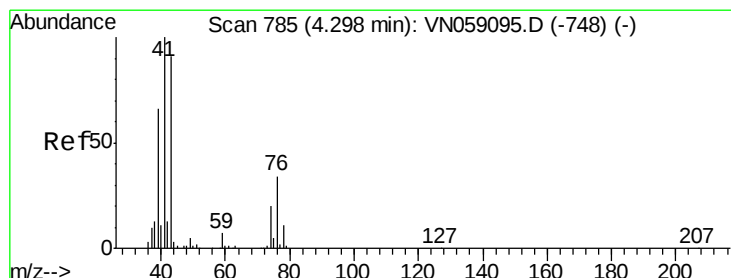
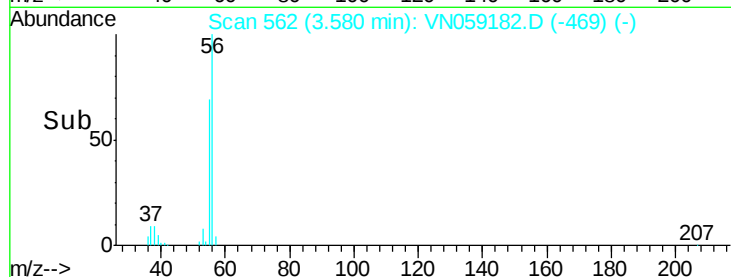
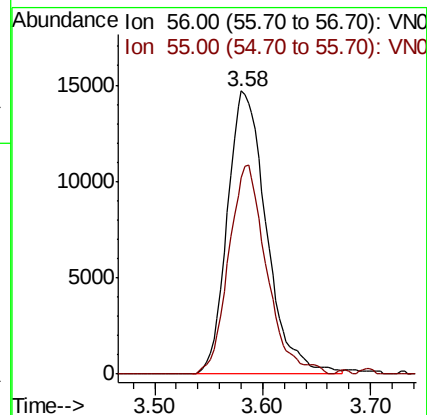
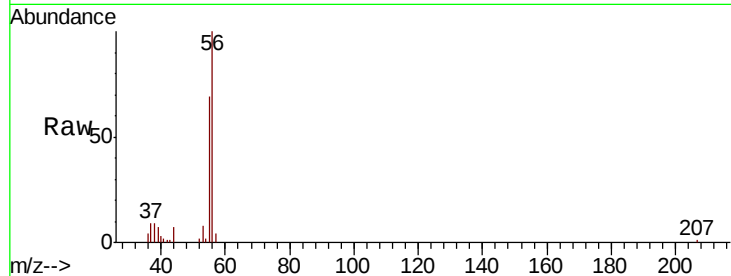
55 71.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.699 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

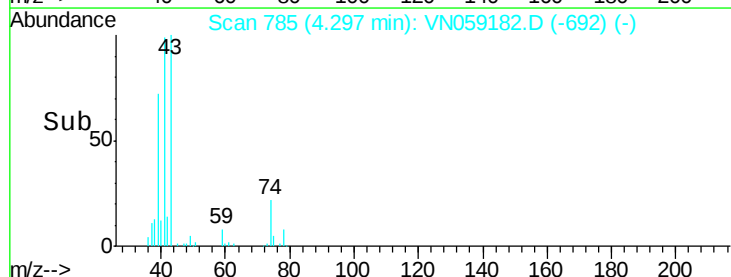
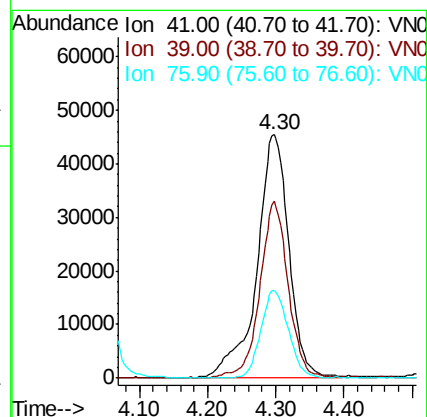
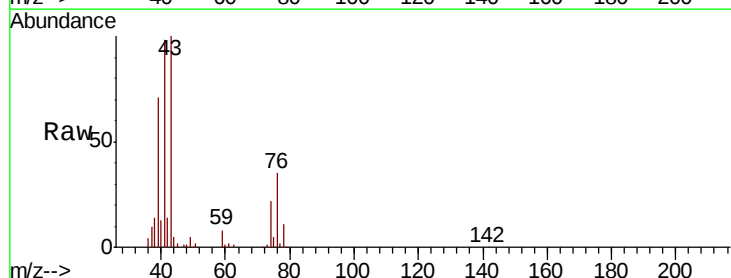
Tgt Ion: 41 Resp: 148738

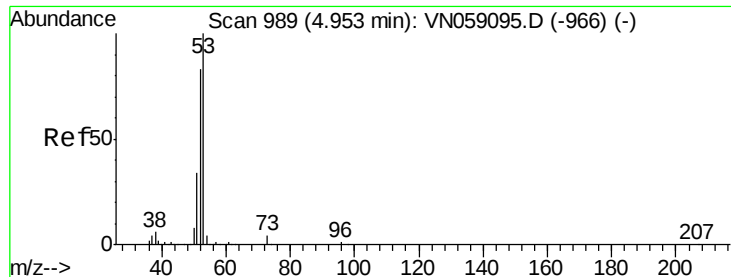
Ion Ratio Lower Upper

41 100

39 64.1 49.1 73.7

76 30.8 24.9 37.3





#15

Acrylonitrile

Concen: 99.273 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

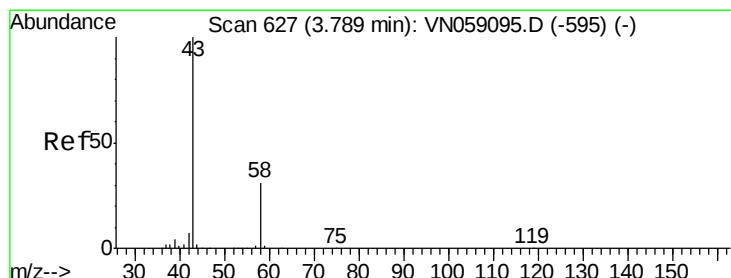
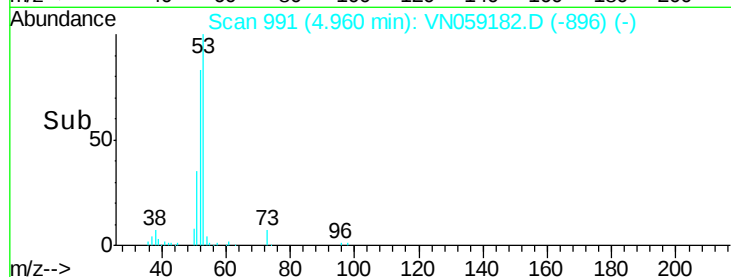
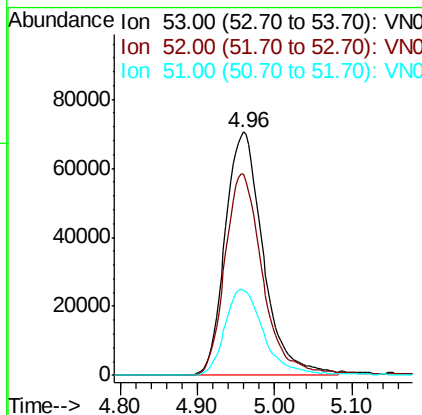
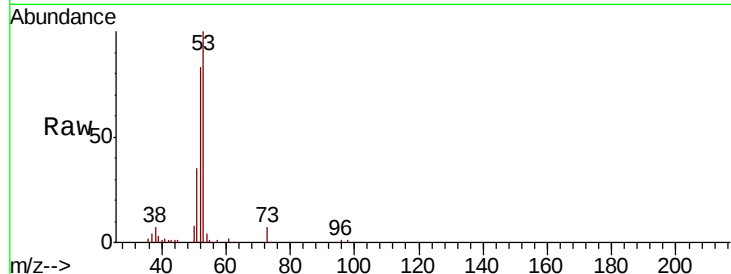
ClientSampleId :

VN1112WBS01

Tot Ion:	53	Resp:	240257
Ion Ratio		Lower	Upper
53	100		
52	82.2	65.0	97.6
51	36.2	28.0	42.0

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#16

Acetone

Concen: 93.520 ug/l

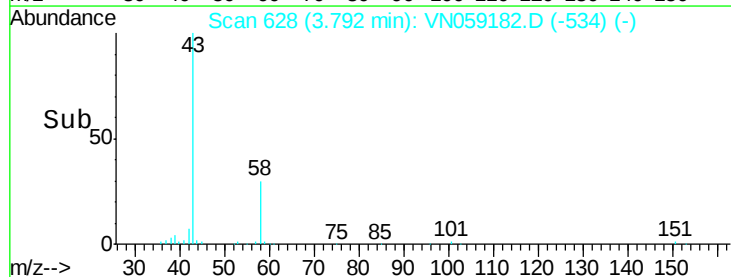
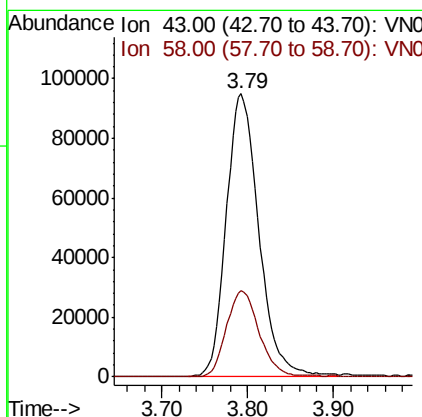
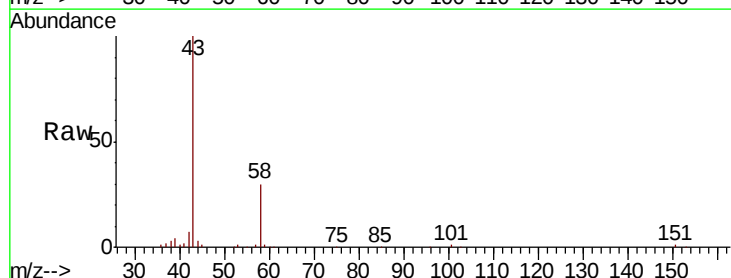
RT: 3.79 min Scan# 628

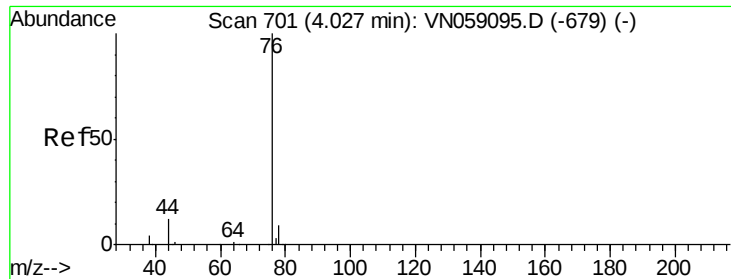
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	43	Resp:	248160
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





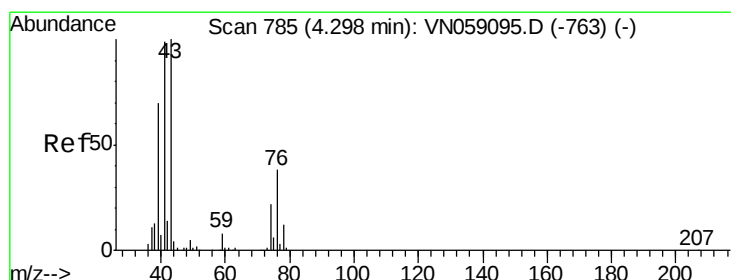
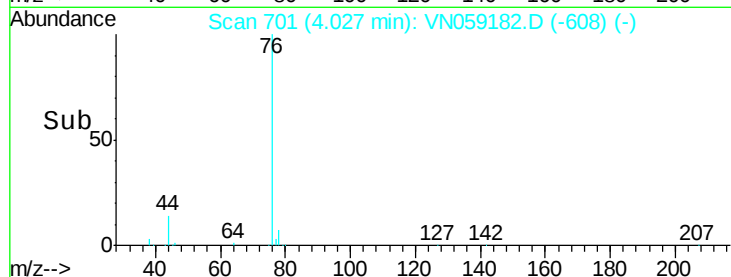
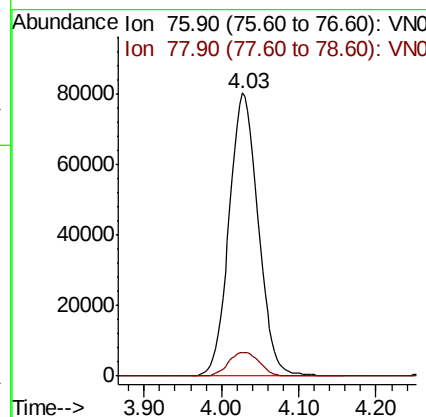
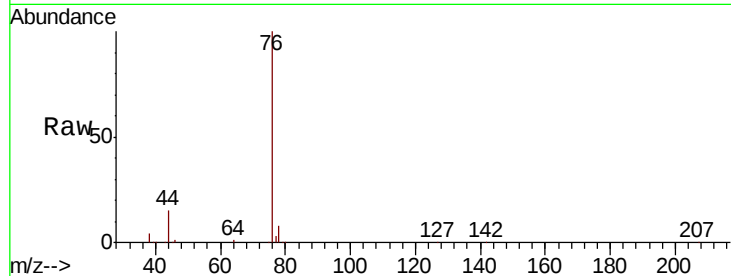
#17
Carbon Disulfide
Concen: 17.377 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.0

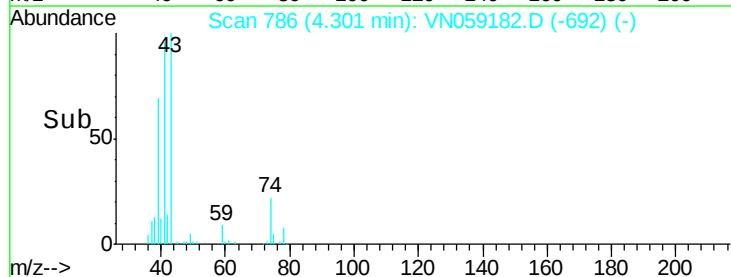
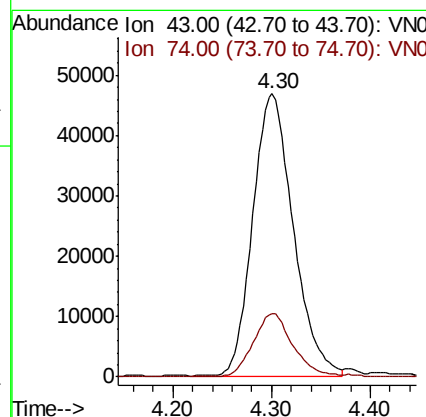
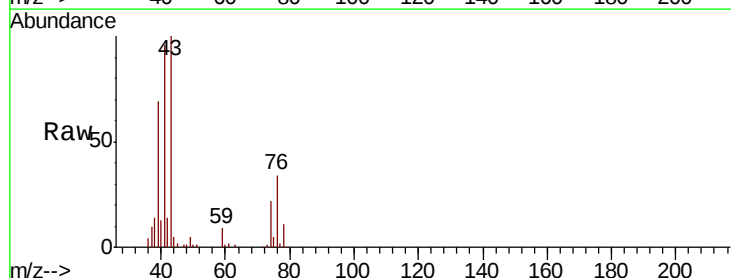
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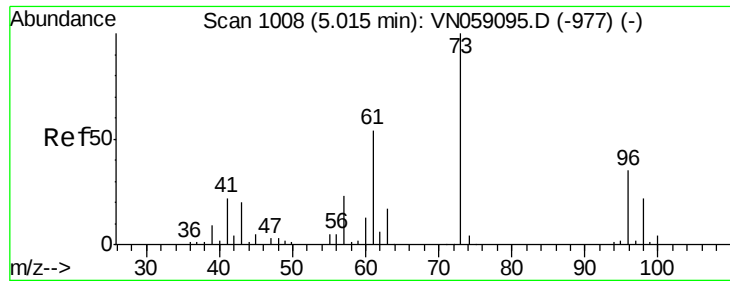
MMDadoda
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#18
Methyl Acetate
Concen: 21.038 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.8	26.8





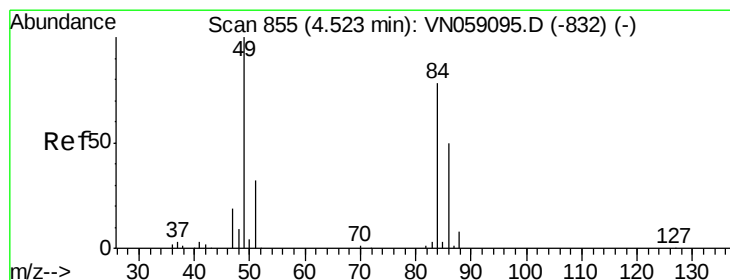
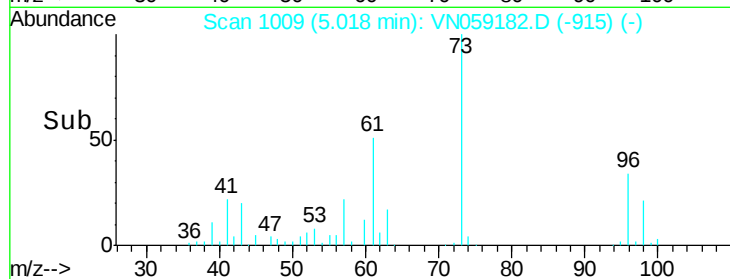
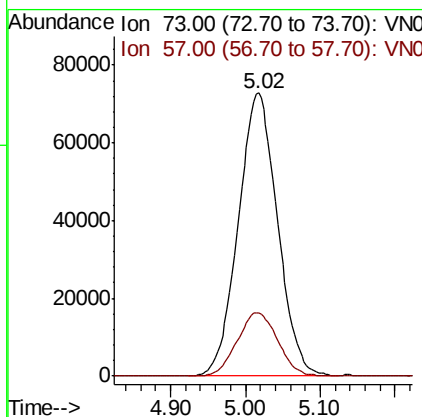
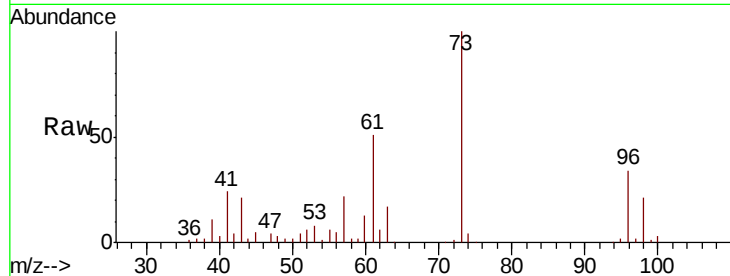
#19
Methvl tert-butvl Ether
Concen: 19.904 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 73 Resp: 265361
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

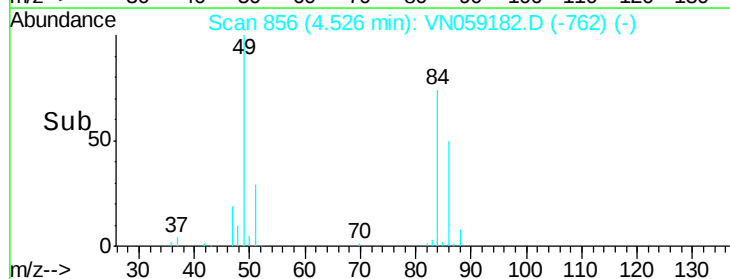
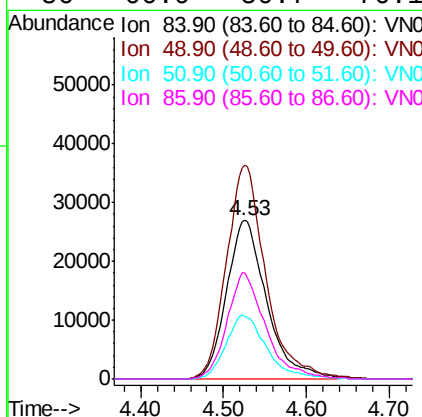
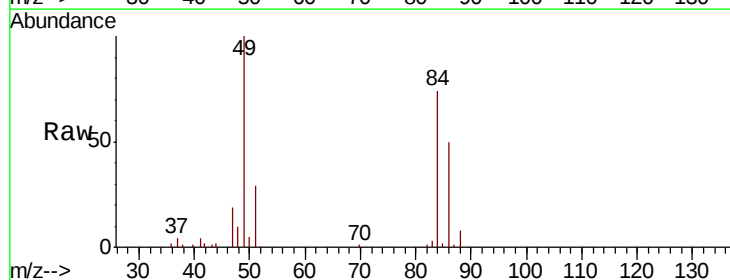
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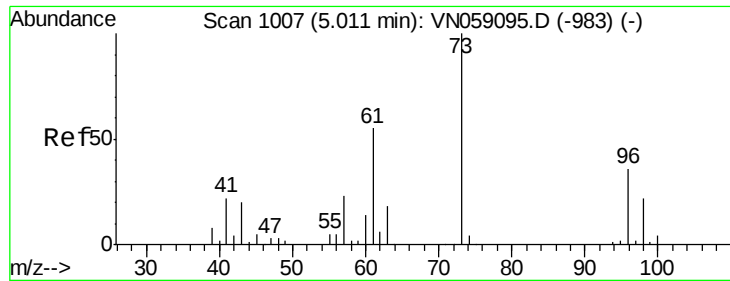
MMDadoda
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#20
Methylene Chloride
Concen: 19.600 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 84 Resp: 90607
Ion Ratio Lower Upper
84 100
49 134.6 102.0 153.0
51 39.5 32.2 48.2
86 66.9 50.7 76.1





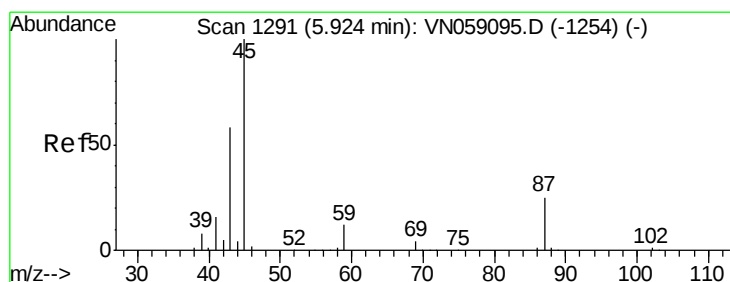
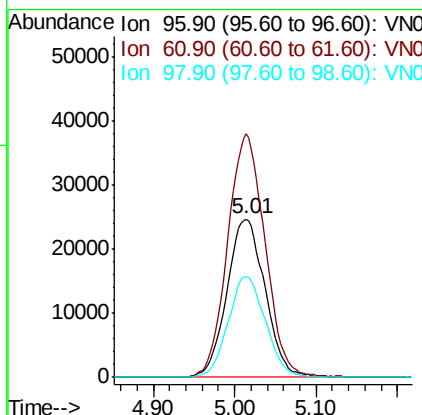
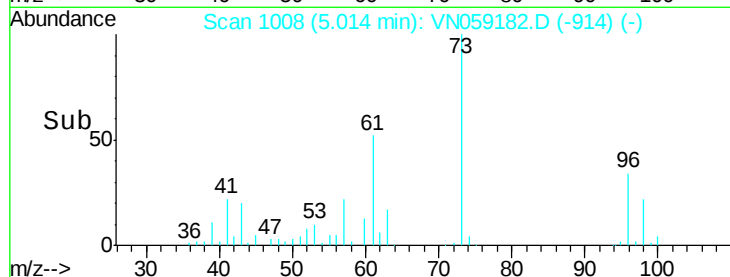
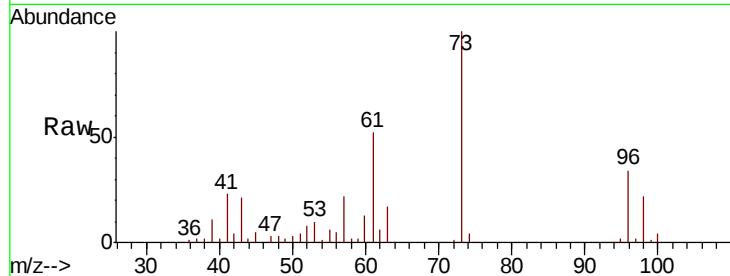
#21
trans-1,2-Dichloroethene
Concen: 19.406 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	122.6	183.8
98	63.4	50.3	75.5

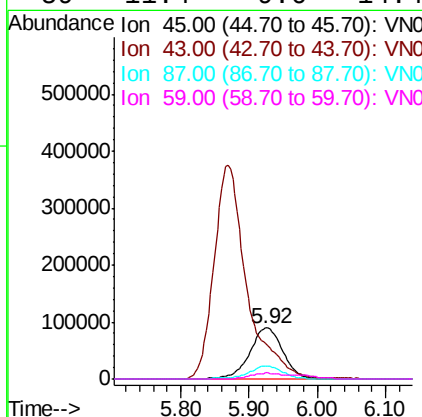
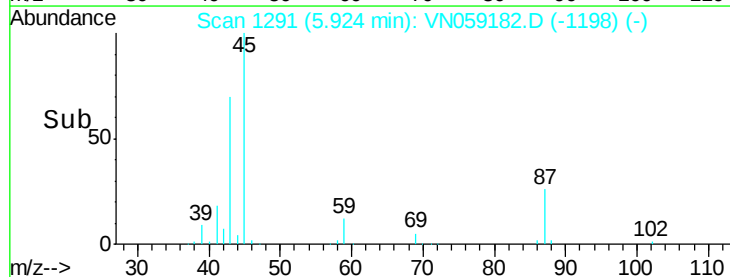
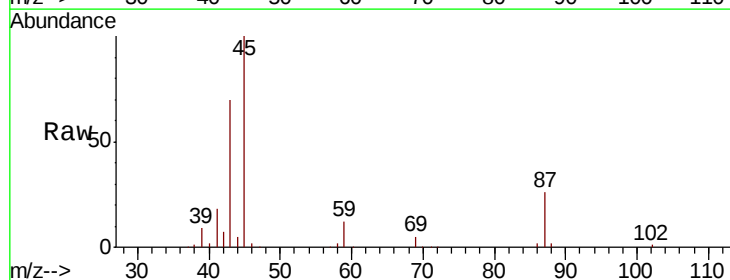
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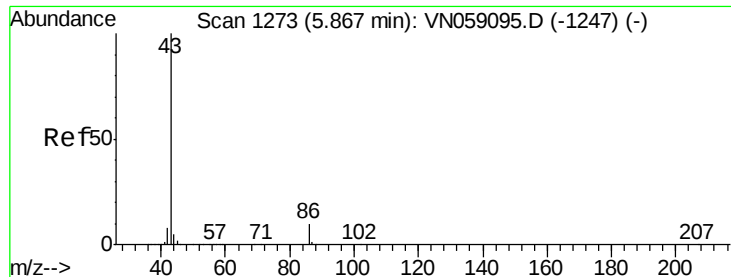
MMDadoda
11/13/2019 12:07:50 PM



#22
Diisopropyl ether
Concen: 20.291 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	46.7	70.1
87	25.7	20.5	30.7
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 107.547 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 1252310

Ion Ratio Lower Upper

43 100

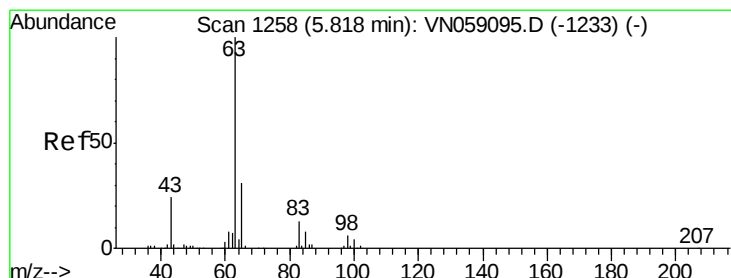
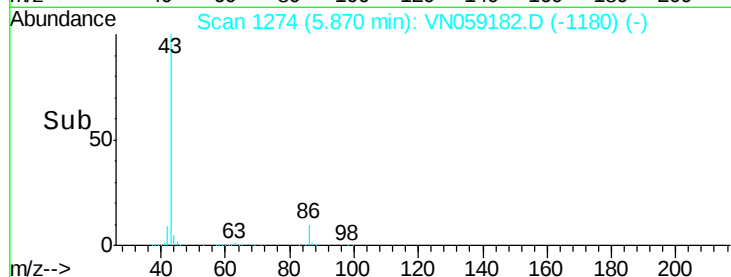
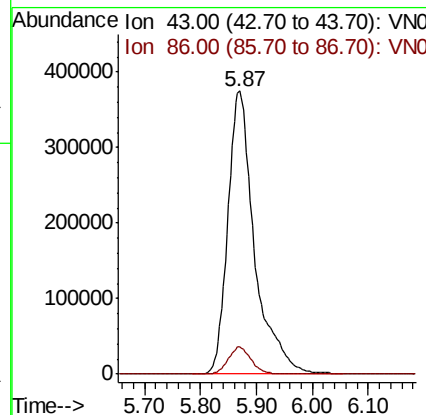
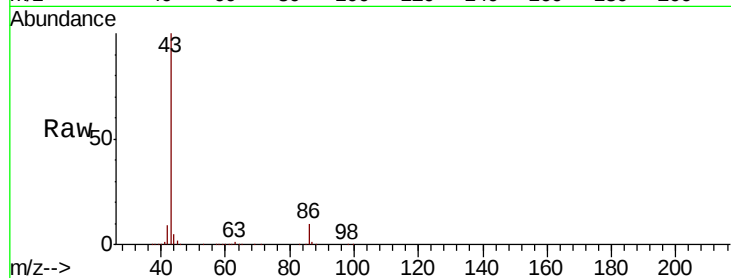
86 9.6 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 20.046 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

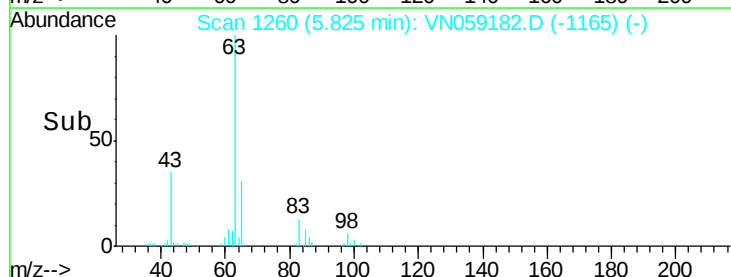
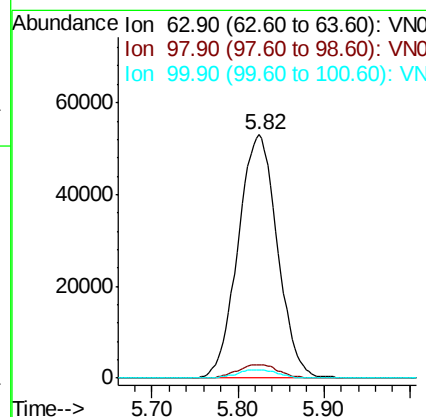
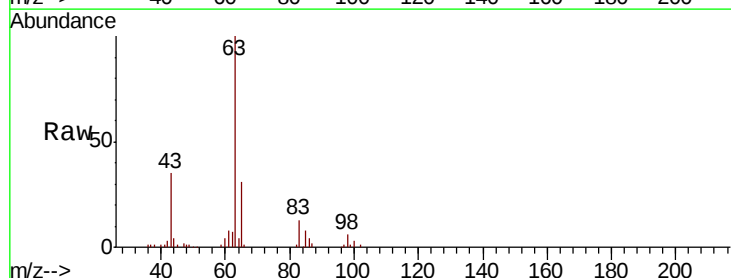
Tgt Ion: 63 Resp: 168217

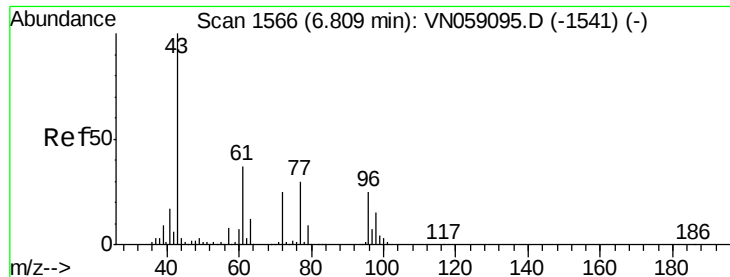
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 101.109 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 353600

Ion Ratio Lower Upper

43 100

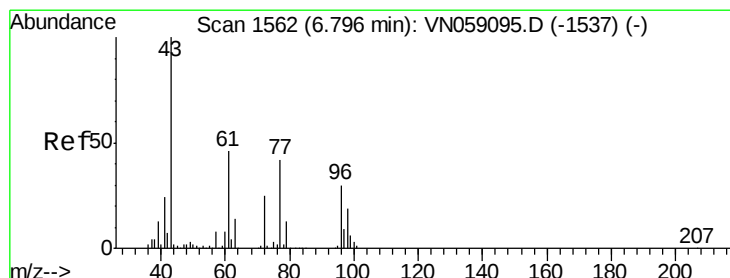
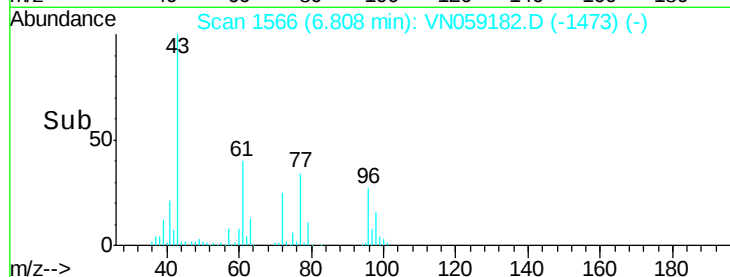
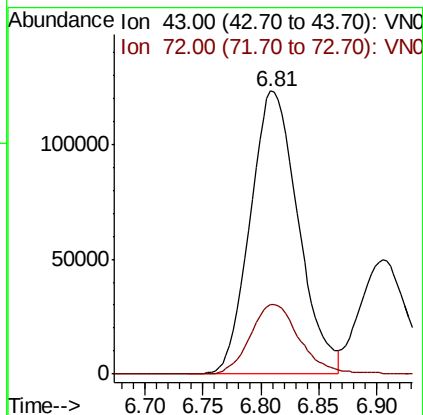
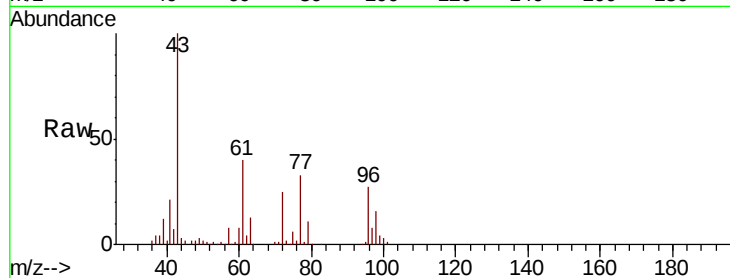
72 24.6 20.3 30.5

Manual Integrations

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11/13/2019 12:07:50 PM



#26

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059182.D

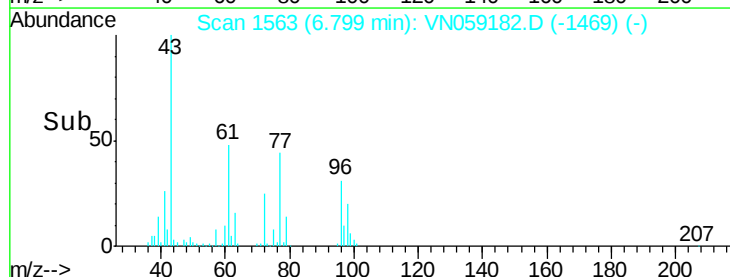
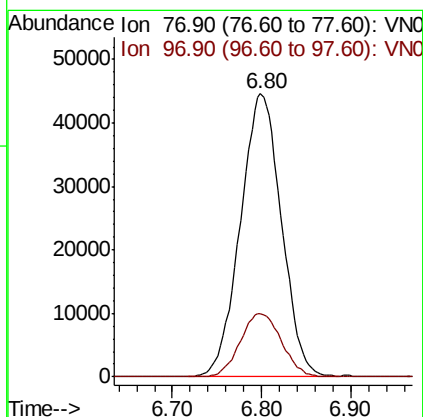
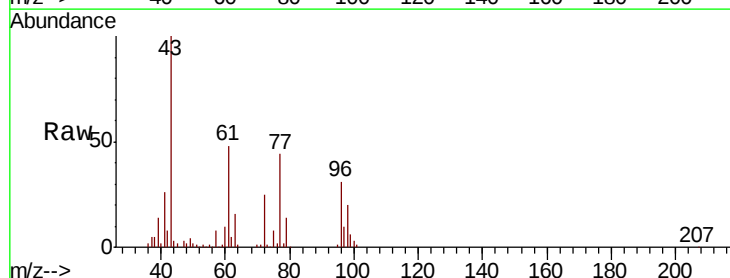
Acq: 12 Nov 2019 12:10

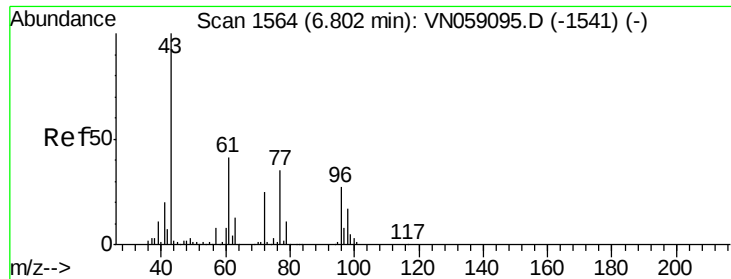
Tgt Ion: 77 Resp: 142824

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.918 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

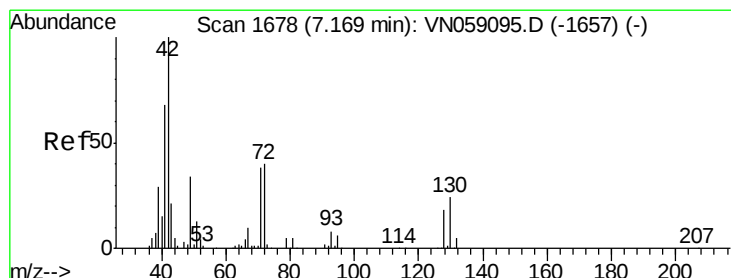
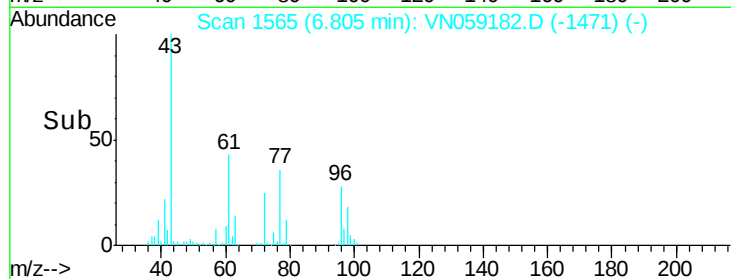
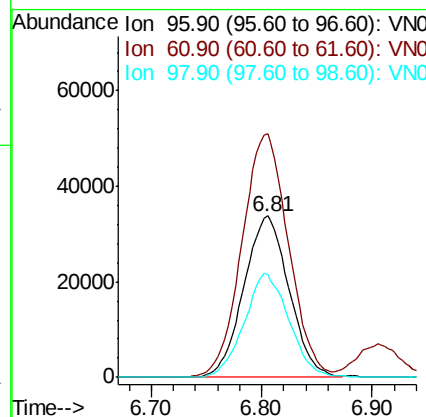
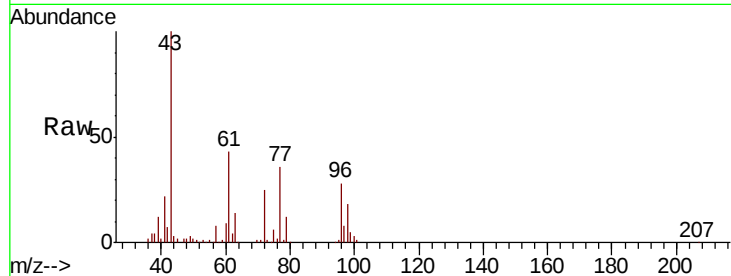
ClientSampleId :

VN1112WBS01

Tot Ion:	96	Resp:	96053
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	311.6
98	63.7	0.0	129.8

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#28

Bromochloromethane

Concen: 20.053 ug/l

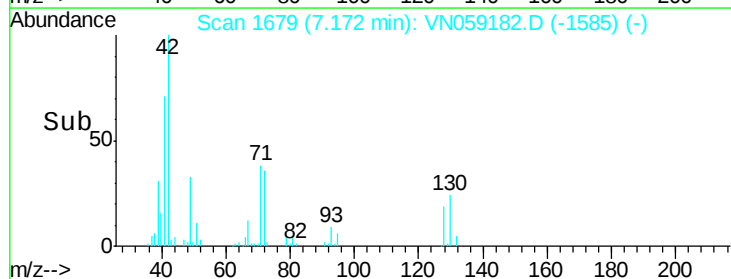
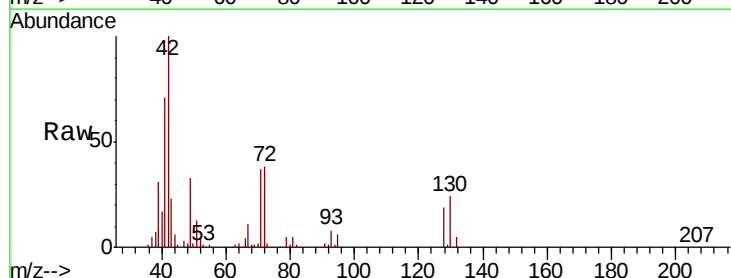
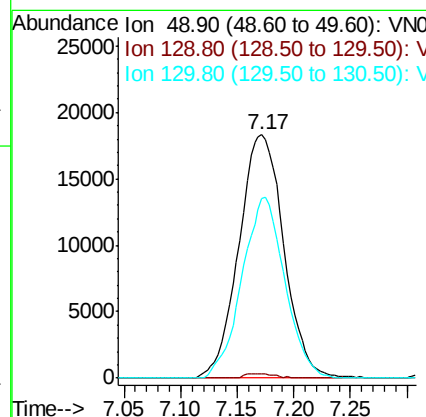
RT: 7.17 min Scan# 1679

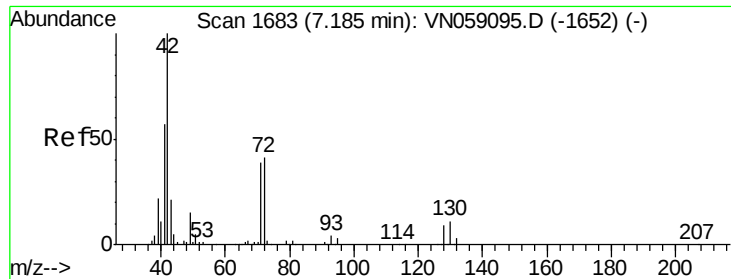
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	49	Resp:	50628
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	70.8	55.6	83.4





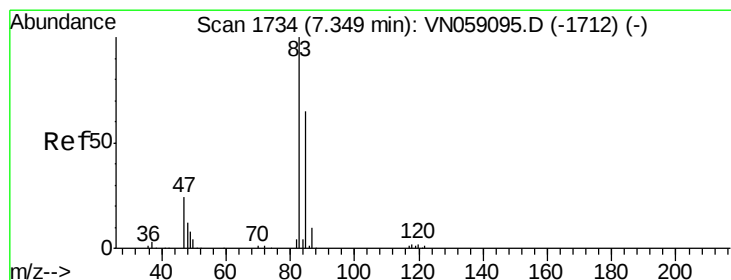
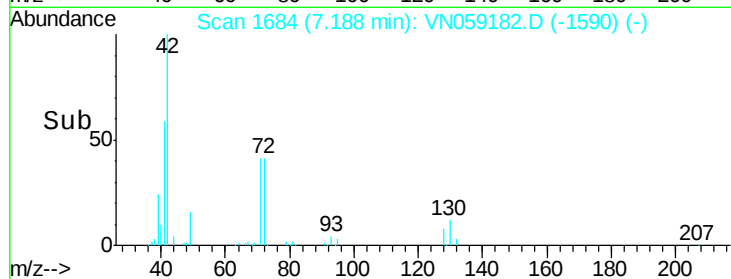
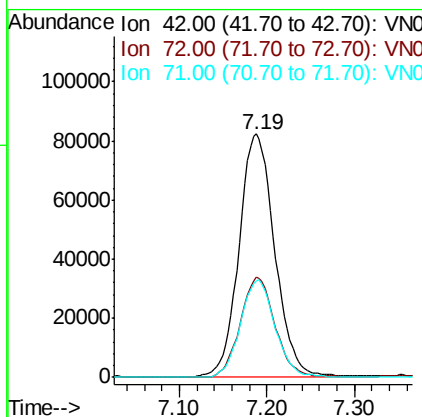
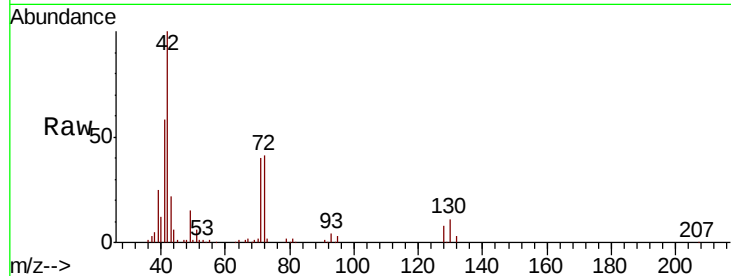
#29
Tetrahydrofuran
Concen: 104.191 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.3	30.9	46.3

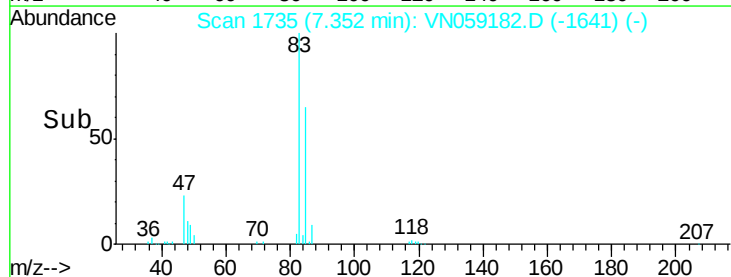
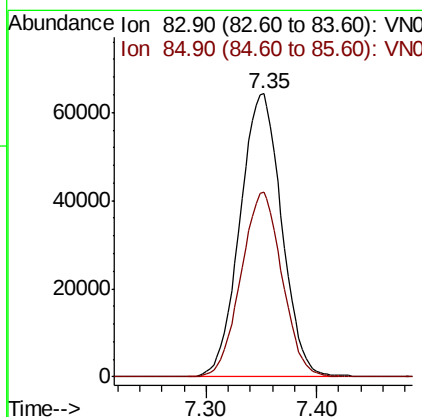
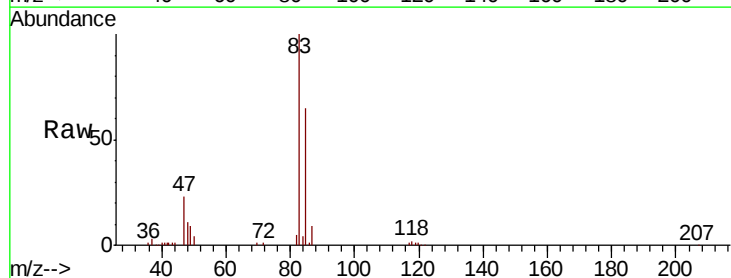
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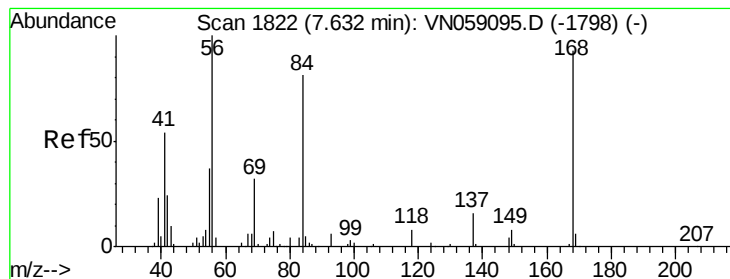
MMDadoda
11/13/2019 12:07:50 PM



#30
Chloroform
Concen: 20.882 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8





#31

Cyclohexane

Concen: 18.249 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

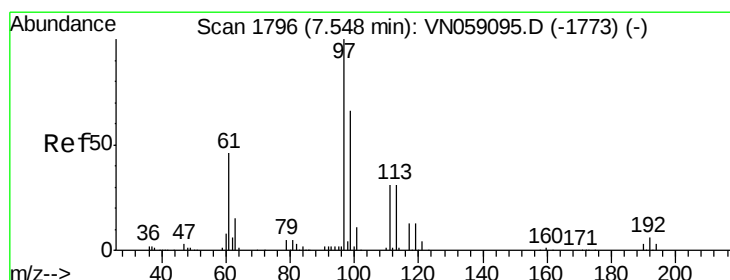
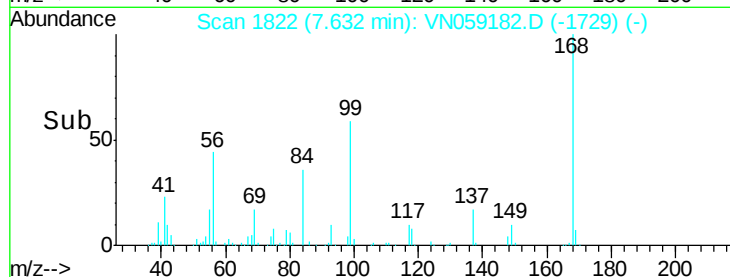
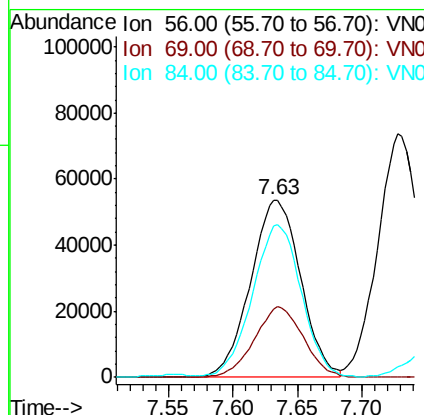
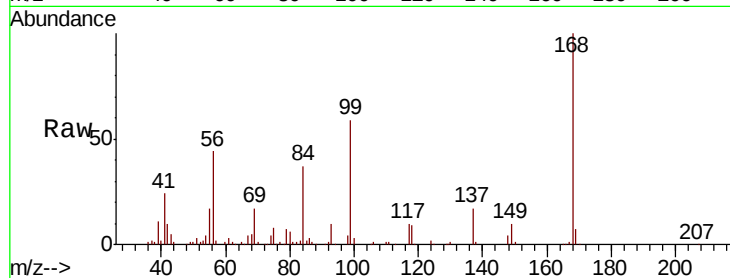
ClientSampleId :

VN1112WBS01

Tot Ion:	56	Resp:	144969
Ion Ratio	Lower	Upper	
56	100		
69	38.3	25.8	38.8
84	84.1	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.880 ug/l

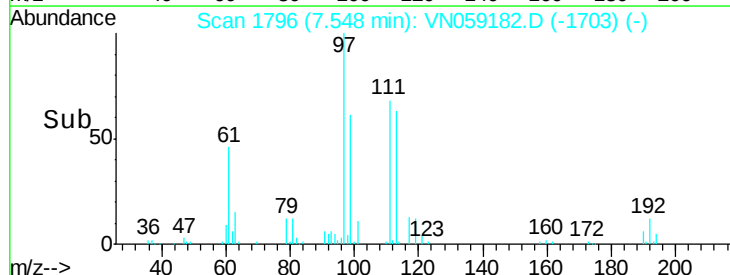
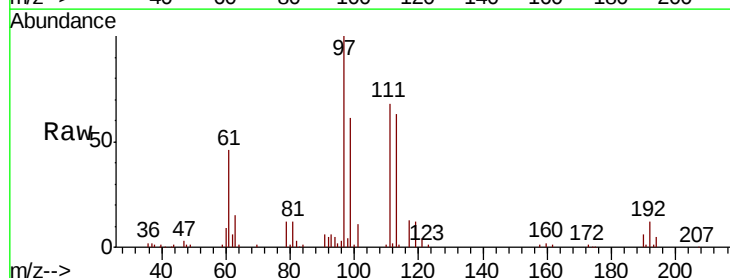
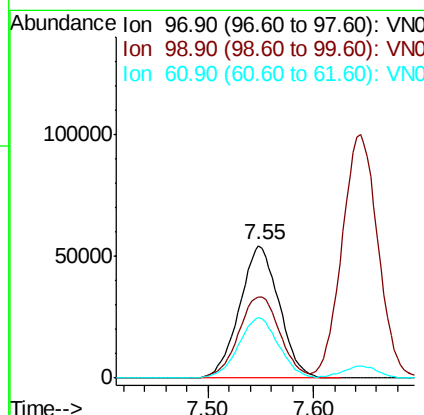
RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	97	Resp:	141312
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	46.4	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 51.296 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 65 Resp: 261752

Ion Ratio Lower Upper

65 100

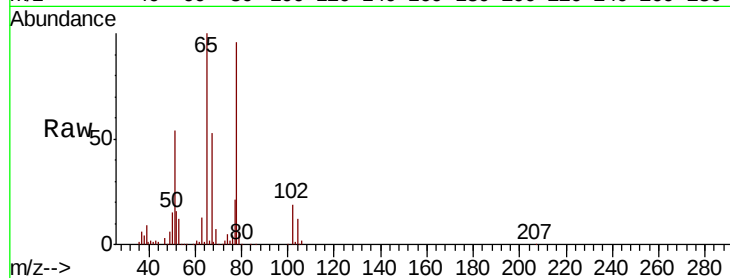
67 52.9 0.0 107.4

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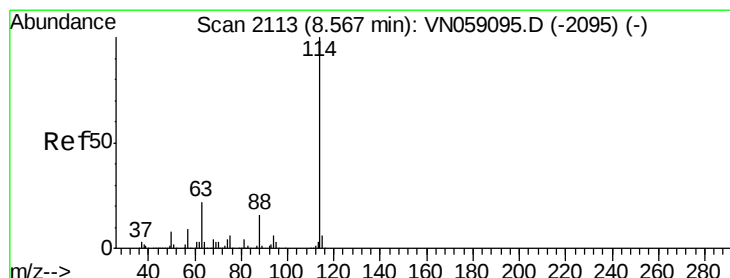
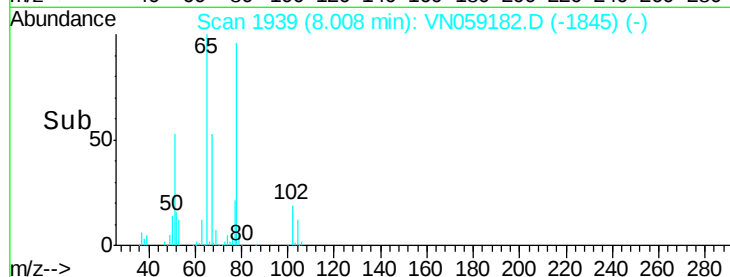
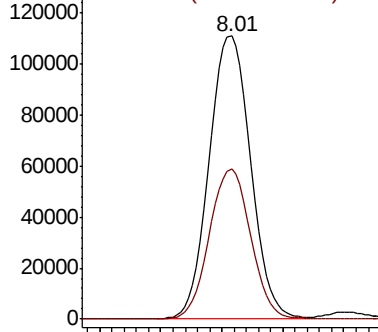
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

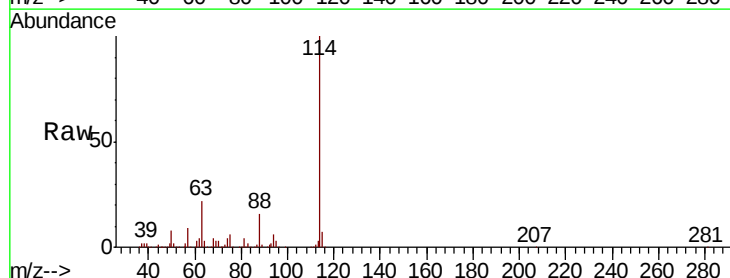
Tgt Ion: 114 Resp: 651969

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

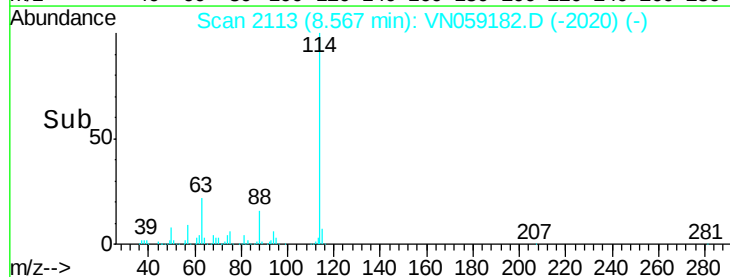
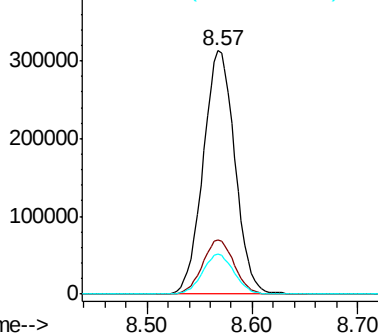
88 16.5 0.0 32.2

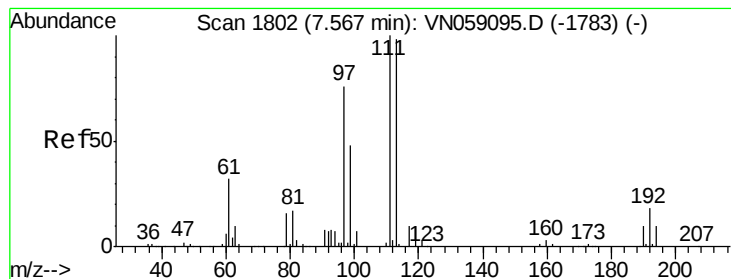


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 51.049 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

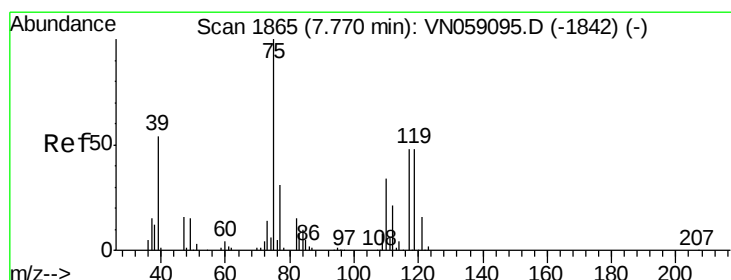
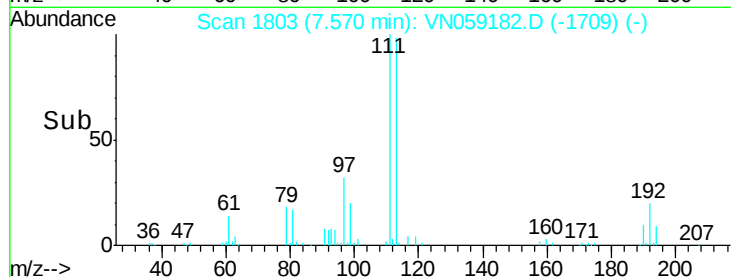
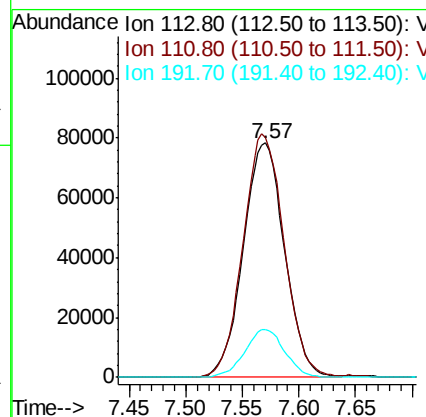
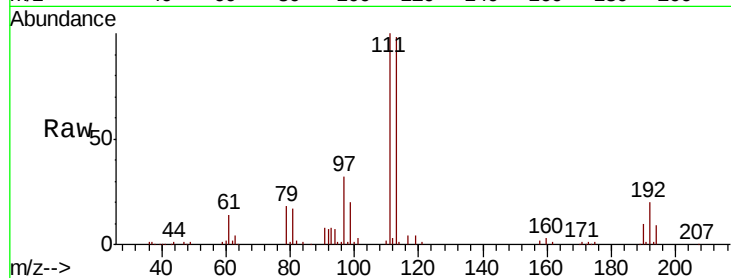
ClientSampleId :

VN1112WBS01

Tot Ion:	113	Resp:	198727
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.8	124.2
192	19.8	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 19.435 ug/l

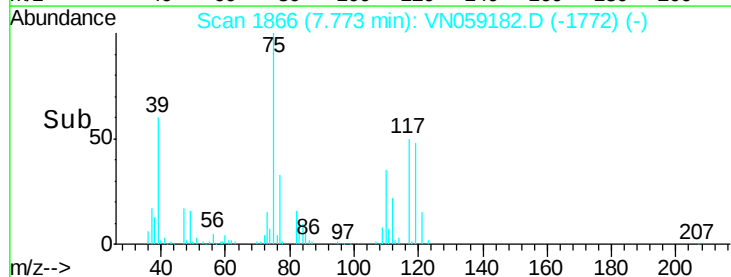
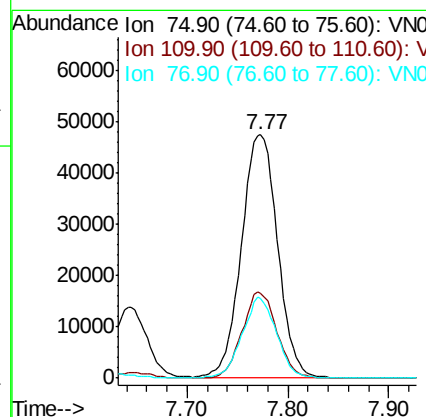
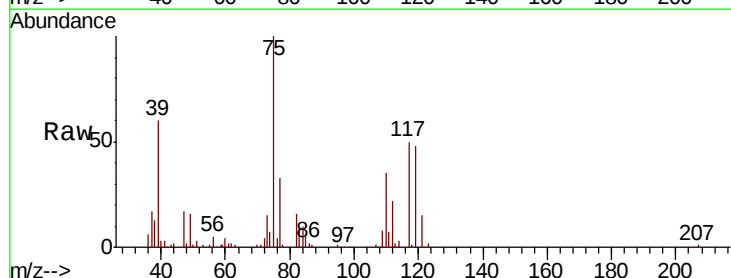
RT: 7.77 min Scan# 1866

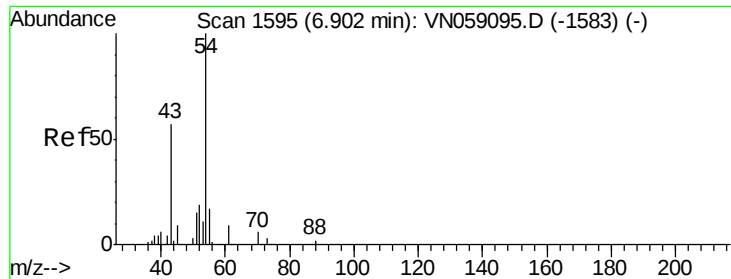
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	75	Resp:	118437
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.1	51.2
77	31.3	24.8	37.2





#37

Ethyl Acetate

Concen: 20.742 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 140619

Ion Ratio Lower Upper

43 100

61 14.2 11.2 16.8

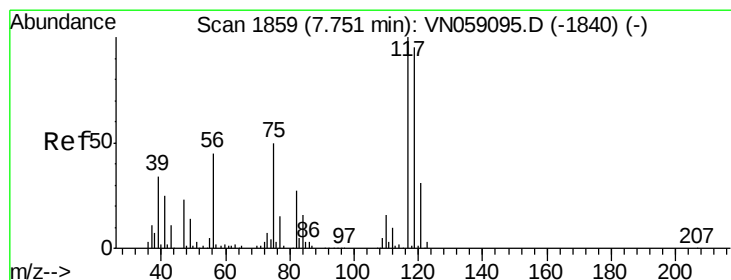
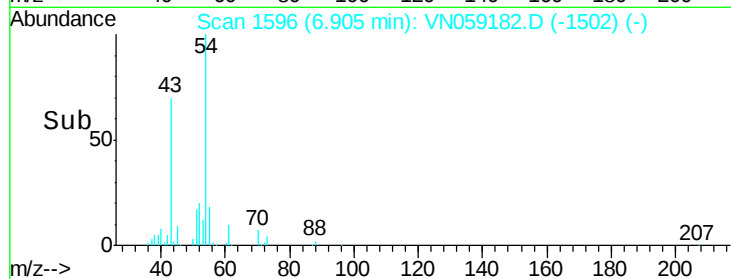
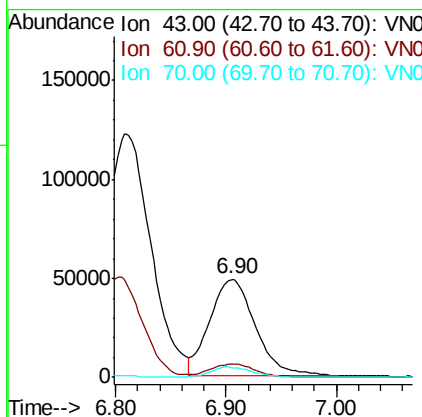
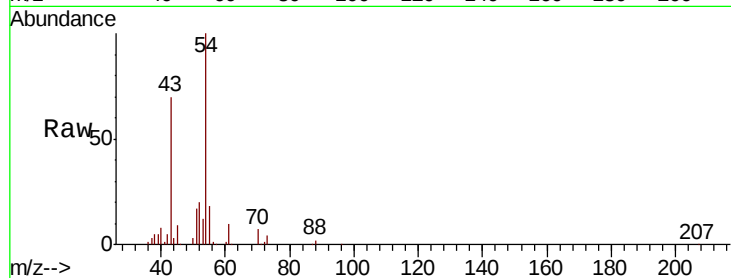
70 10.0 7.8 11.8

Manual Integrations

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#38

Carbon Tetrachloride

Concen: 20.231 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

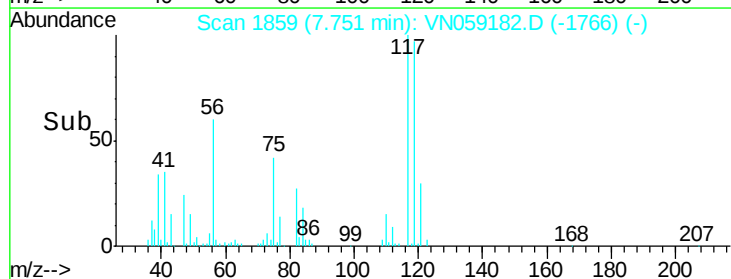
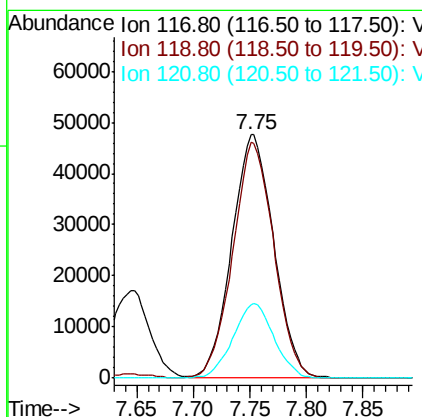
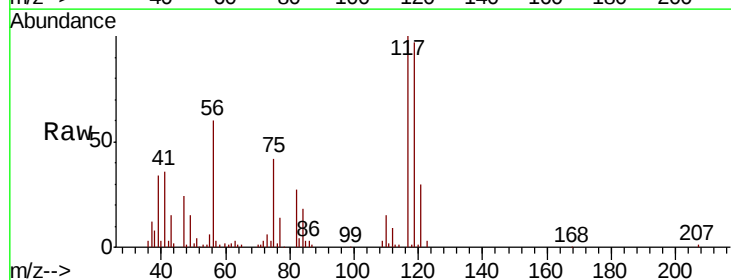
Tgt Ion: 117 Resp: 122711

Ion Ratio Lower Upper

117 100

119 96.8 75.6 113.4

121 29.9 24.6 36.8





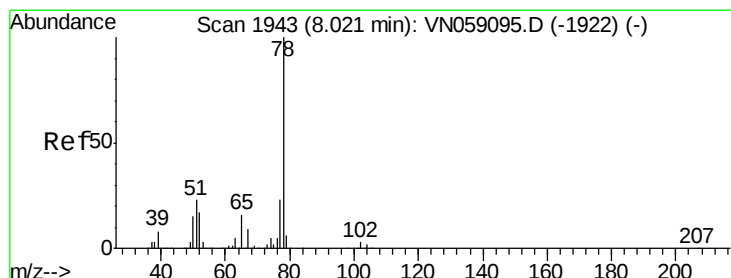
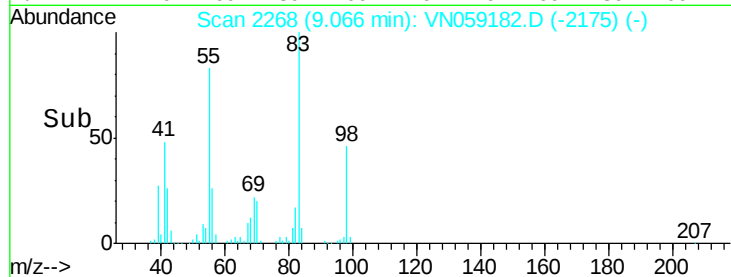
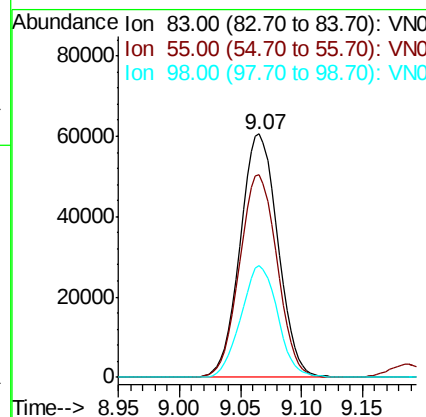
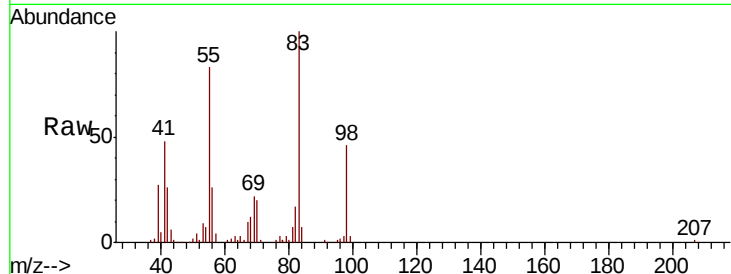
#39
Methvlcvclohexane
Concen: 18.309 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	63.9	95.9
98	46.0	35.6	53.4

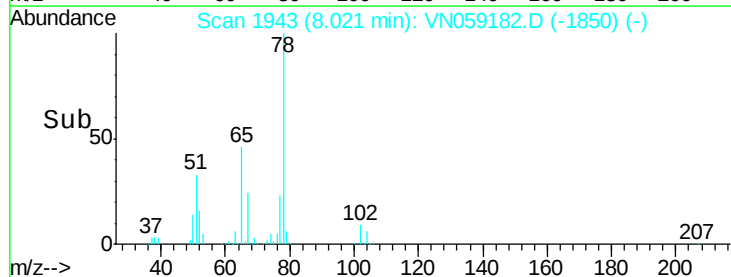
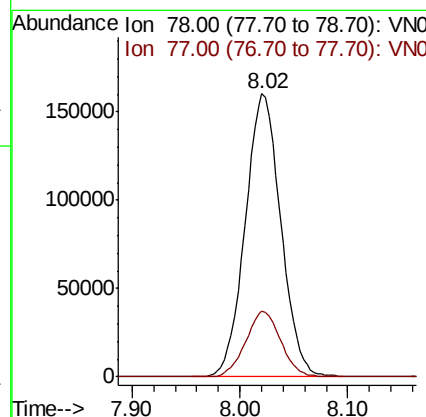
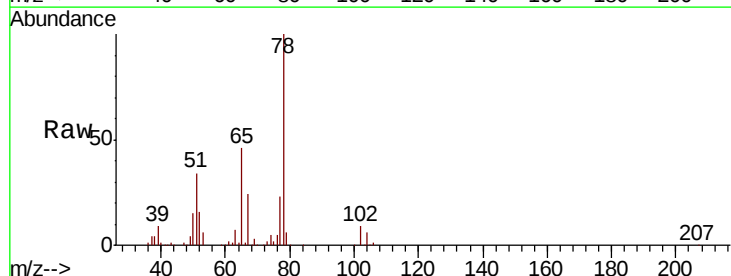
Manual Integrations
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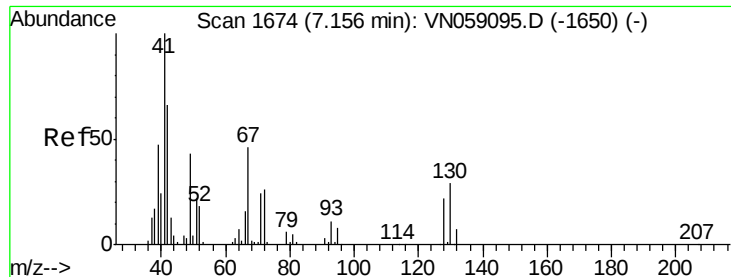
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11/13/2019 12:07:50 PM



#40
Benzene
Concen: 20.049 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





#41

Methacrylonitrile

Concen: 24.514 ug/l m

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

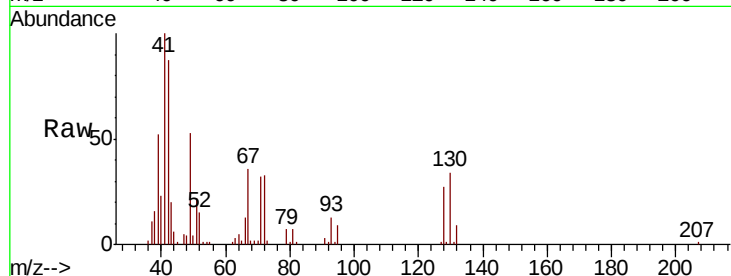
VN1112WBS01

Tot Ion: 41 Resp: 72268

Ion	Ratio	Lower	Upper
41	100		
39	133.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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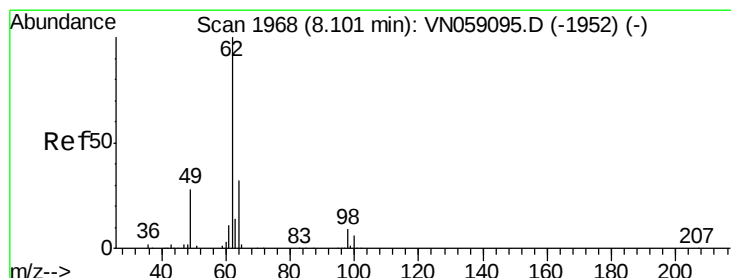
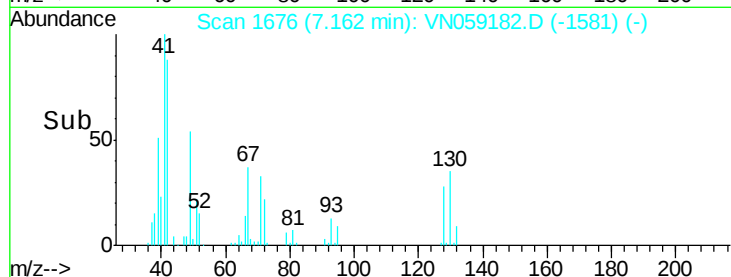
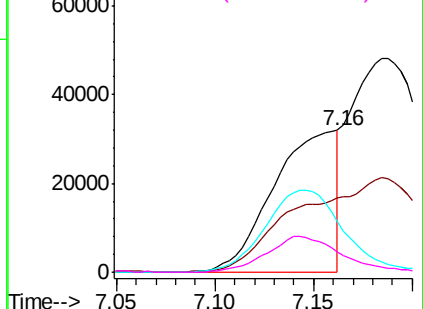


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.281 ug/l

RT: 8.10 min Scan# 1969

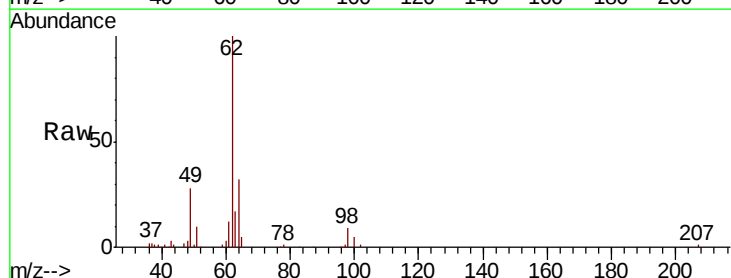
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

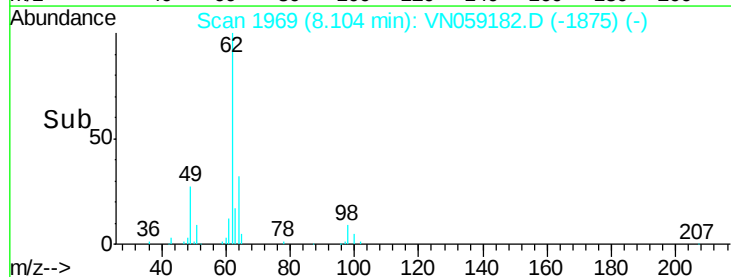
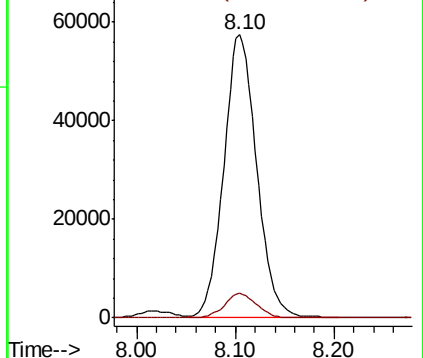
Tgt Ion: 62 Resp: 133943

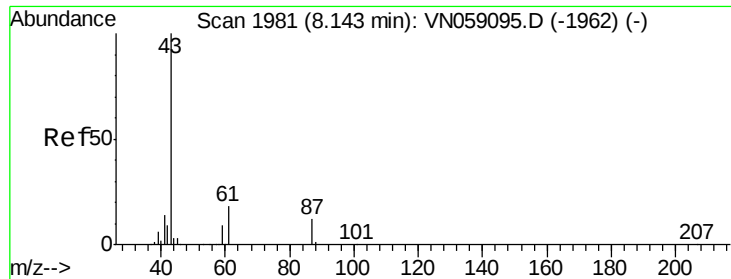
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





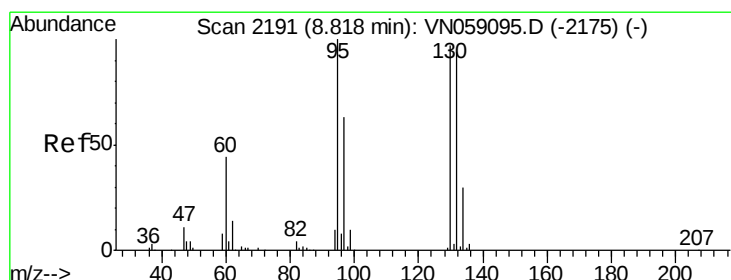
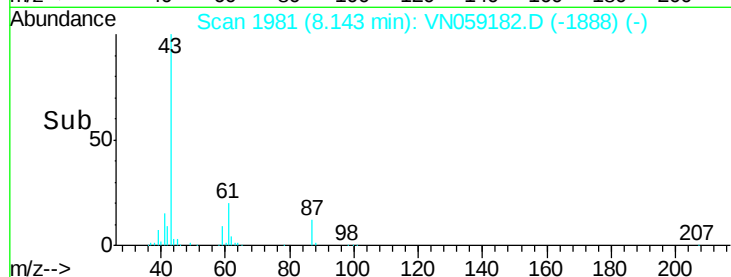
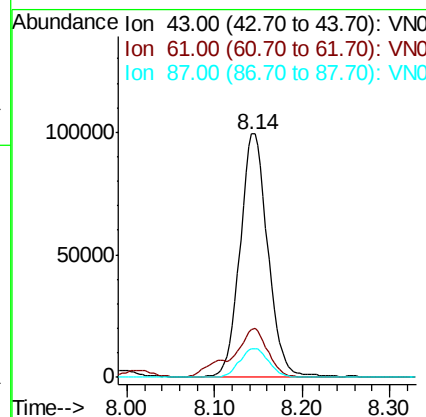
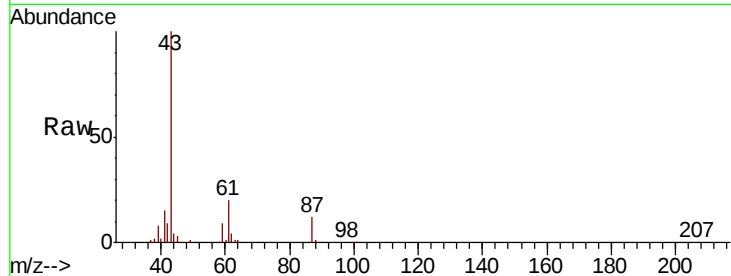
#43
Isopropyl Acetate
Concen: 20.143 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	21.0	31.6#
87	12.4	9.8	14.6

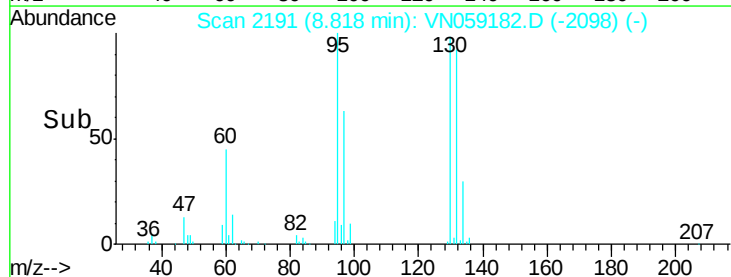
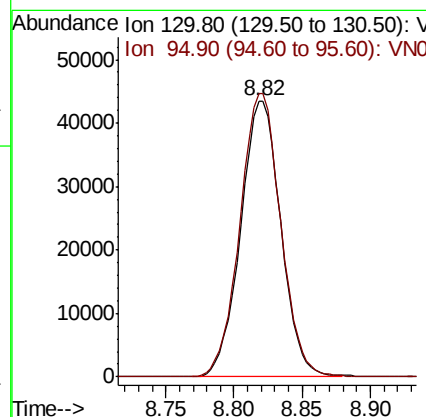
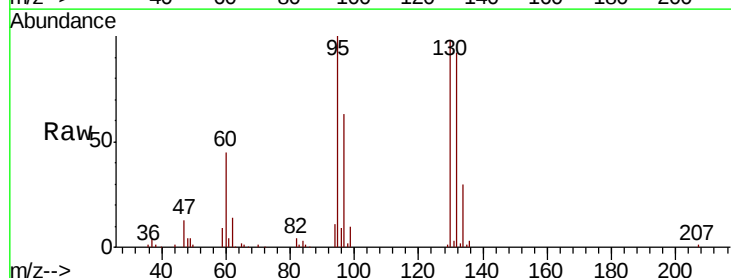
Manual Integrations
APPROVED

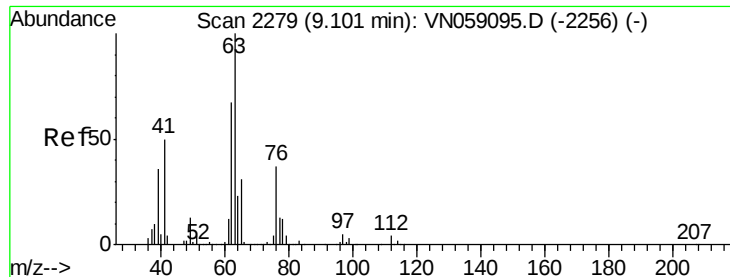
MMDadoda
11/13/2019 12:07:50 PM



#44
Trichloroethene
Concen: 19.712 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.055 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 63 Resp: 99964

Ion Ratio Lower Upper

63 100

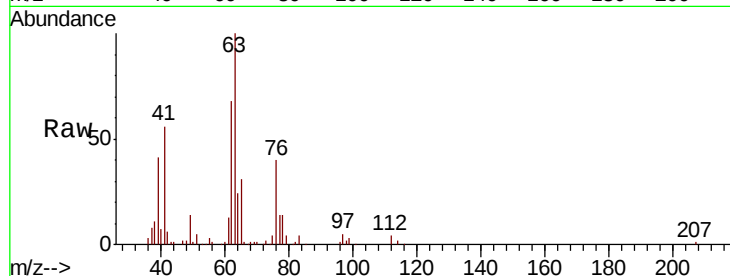
65 31.1 24.6 37.0

Manual Integrations

APPROVED

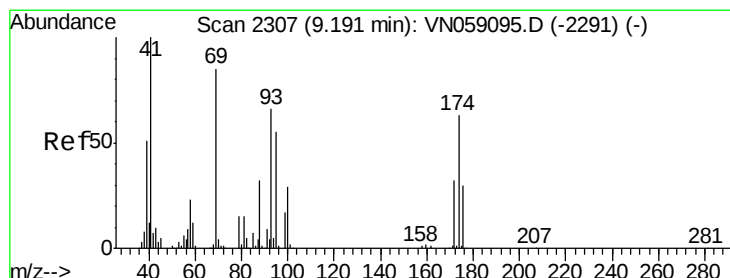
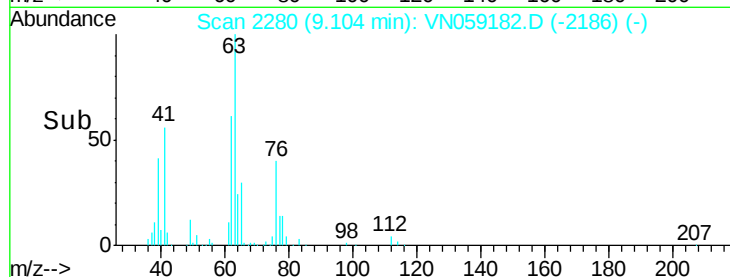
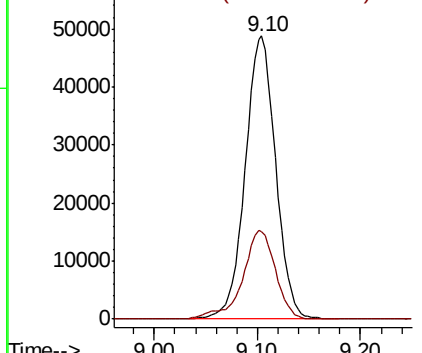
MMDadoda

11/13/2019 12:07:50 PM



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 20.244 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

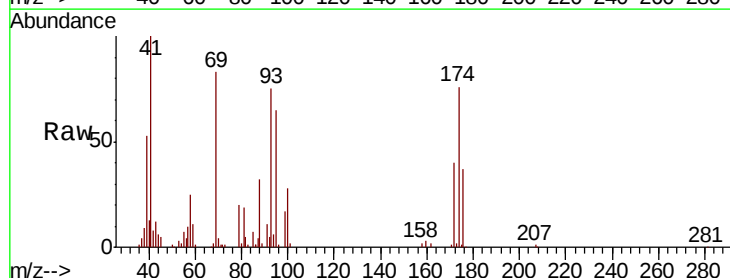
Tgt Ion: 93 Resp: 62879

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

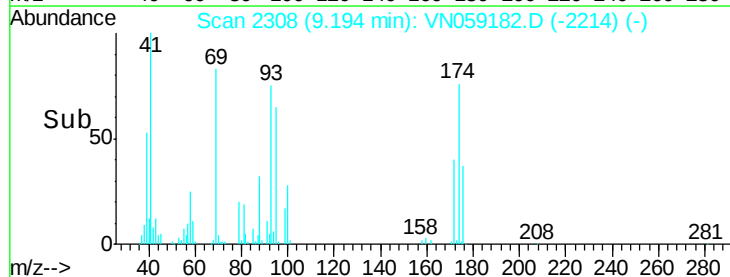
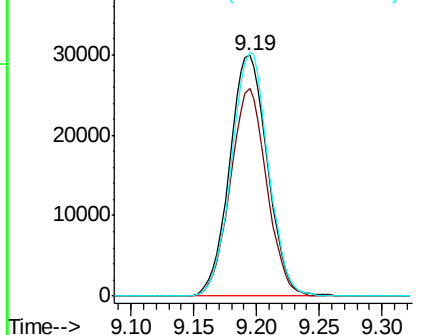
174 98.1 78.2 117.2

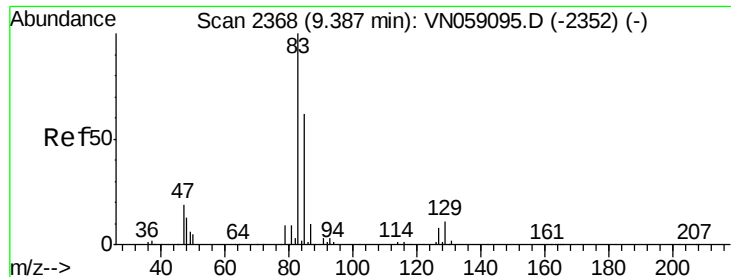


Abundance Ion 92.80 (92.50 to 93.50): VNC

Ion 94.80 (94.50 to 95.50): VNC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.584 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

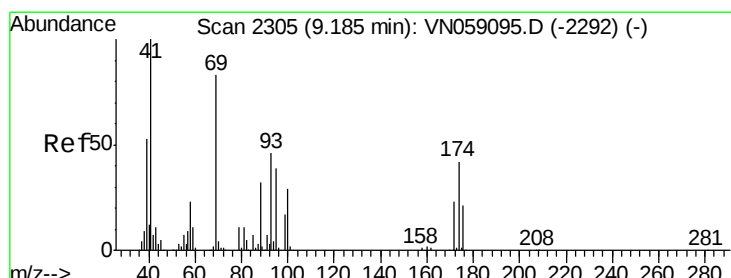
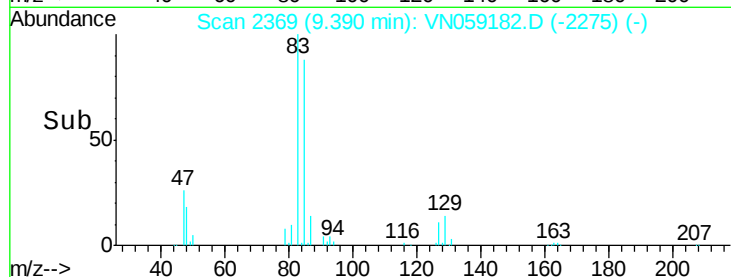
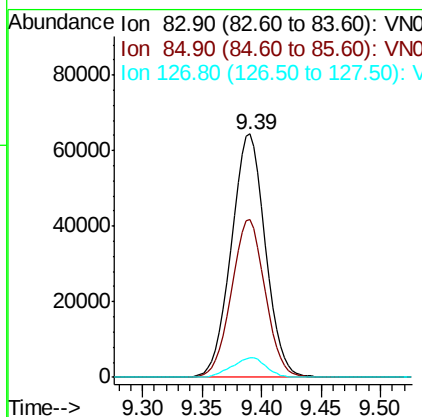
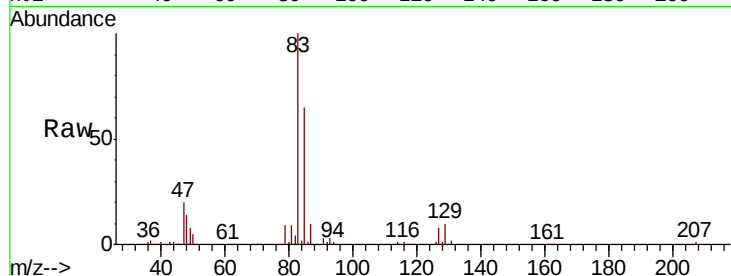
ClientSampleId :

VN1112WBS01

Tot Ion:	83	Resp:	127672
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.7	74.5
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.111 ug/l

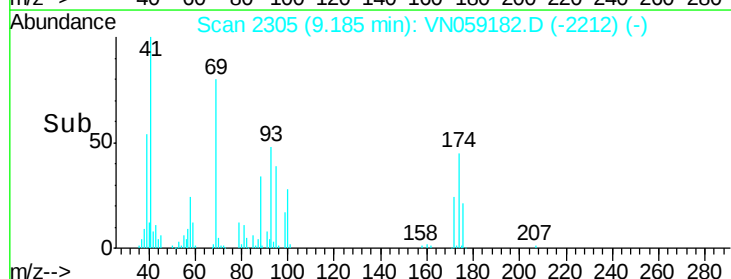
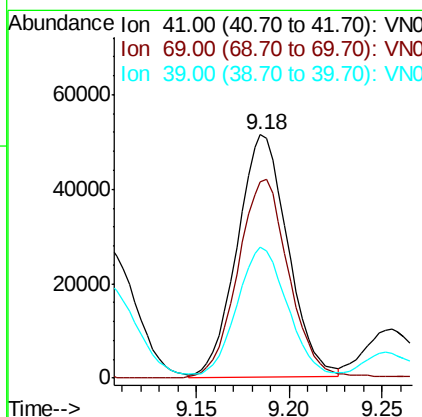
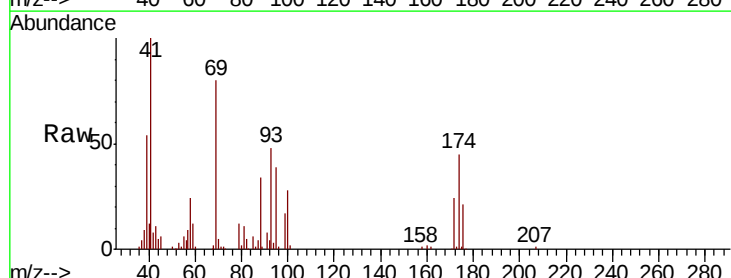
RT: 9.18 min Scan# 2305

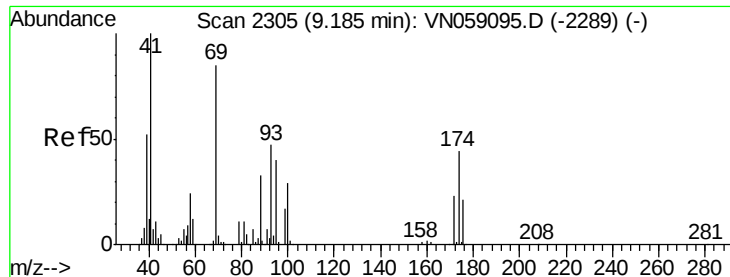
Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	41	Resp:	97224
Ion	Ratio	Lower	Upper
41	100		
69	82.9	67.3	100.9
39	54.4	43.3	64.9





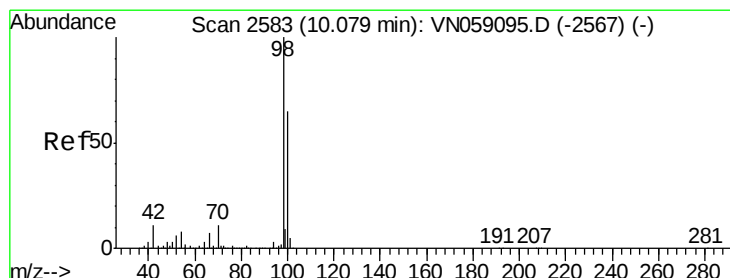
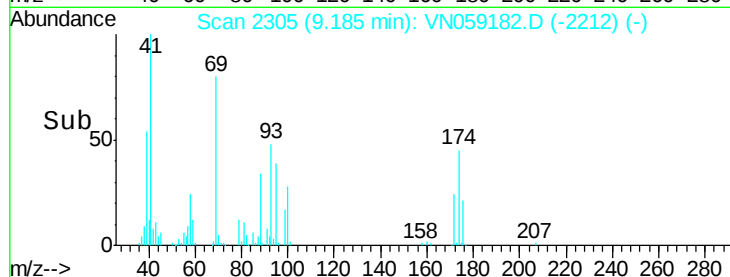
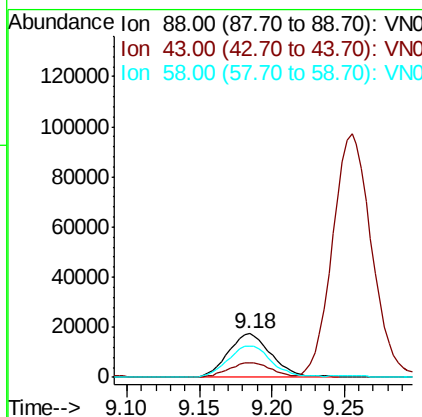
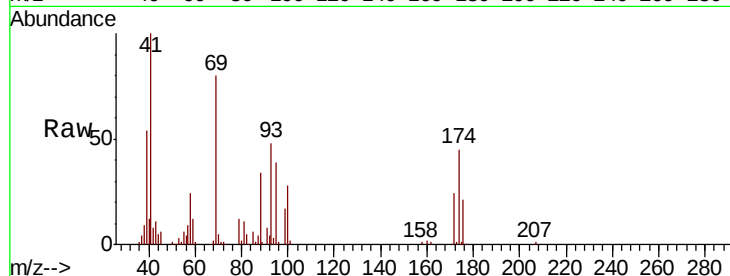
#49
1,4-Dioxane
Concen: 421.045 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	88	Resp	36174
Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.3	39.5
58	72.1	60.6	90.8

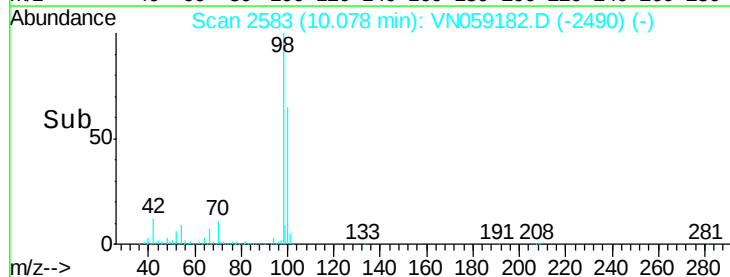
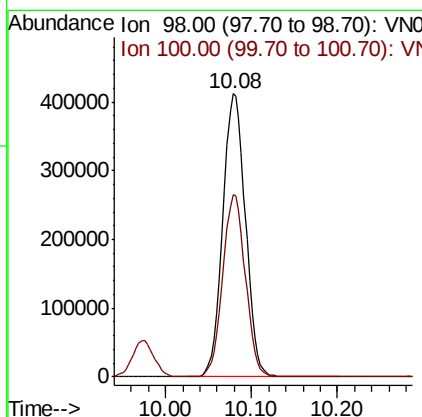
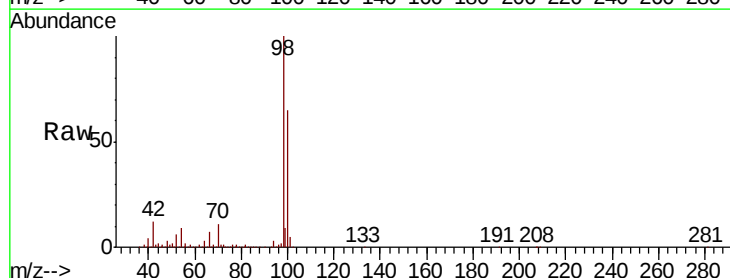
Manual Integrations
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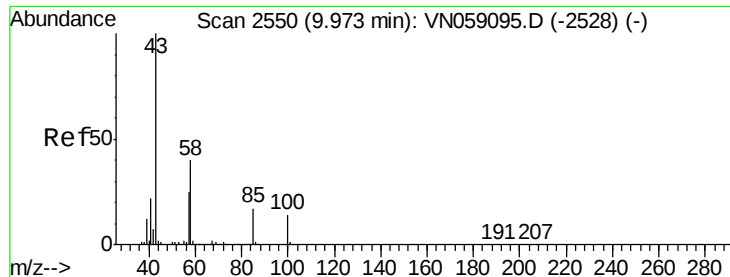
MMDadoda
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#50
Toluene-d8
Concen: 49.251 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	98	Resp	755200
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 113.804 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 695969

Ion Ratio Lower Upper

43 100

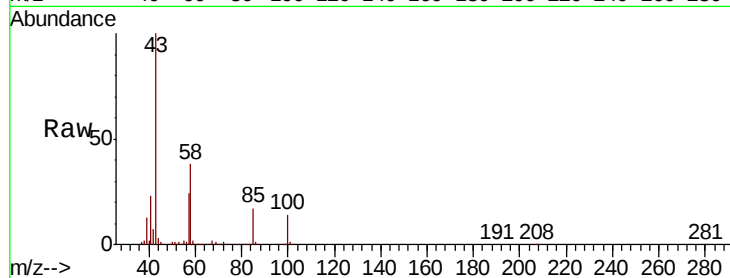
58 38.0 31.5 47.3

Manual Integrations

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11/13/2019 12:07:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

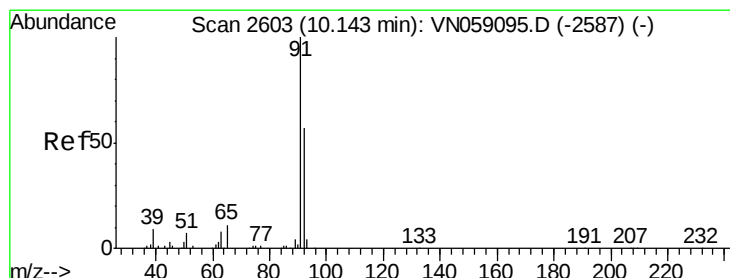
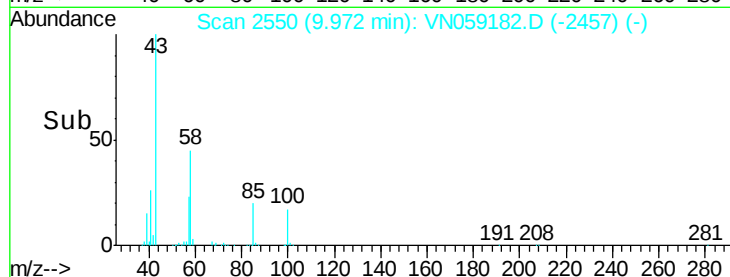
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.049 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059182.D

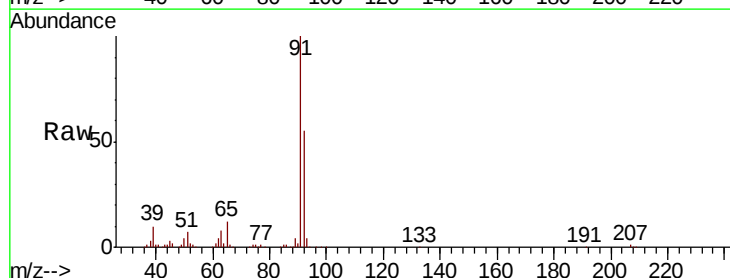
Acq: 12 Nov 2019 12:10

Tgt Ion: 92 Resp: 220521

Ion Ratio Lower Upper

92 100

91 176.3 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

250000

200000

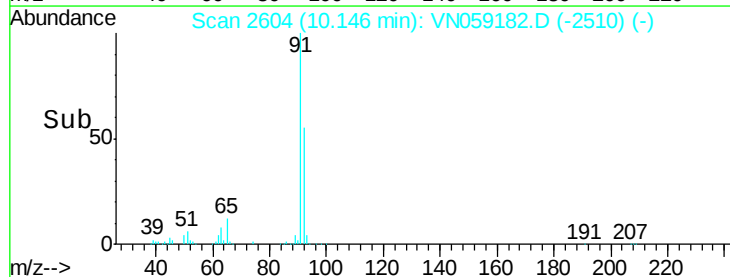
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.563 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 75 Resp: 140187

Ion Ratio Lower Upper

75 100

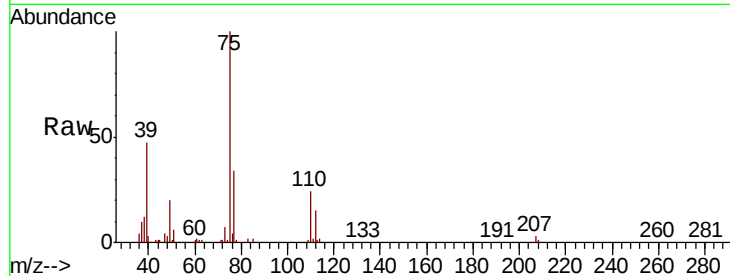
77 32.8 25.3 37.9

Manual Integrations

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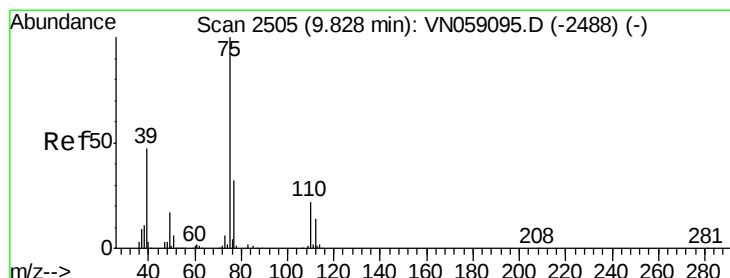
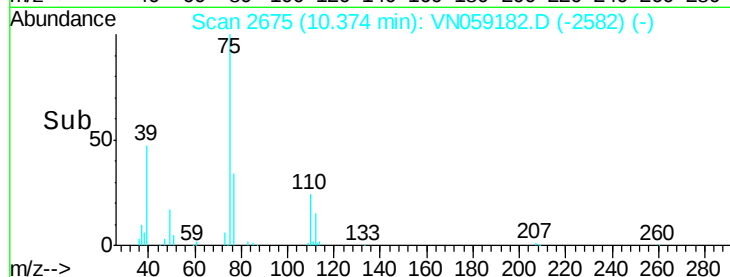
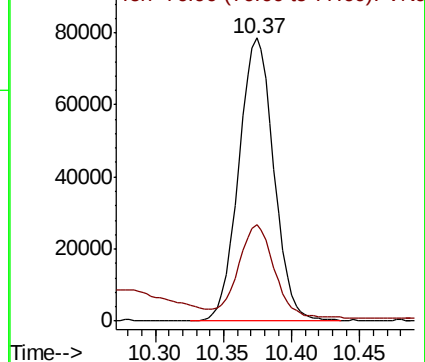
MMDadoda

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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: 19.912 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

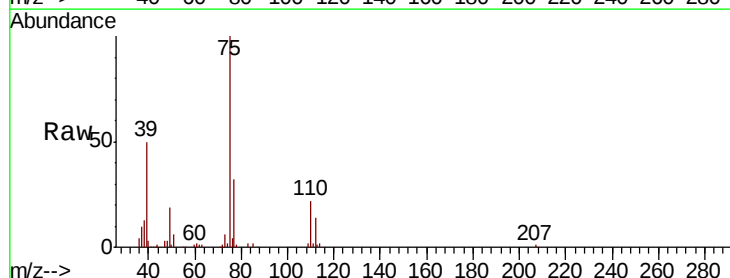
Tgt Ion: 75 Resp: 153485

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

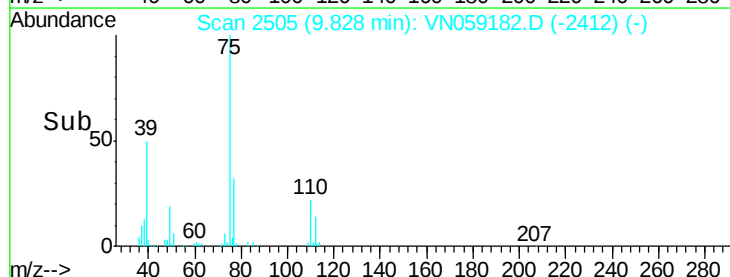
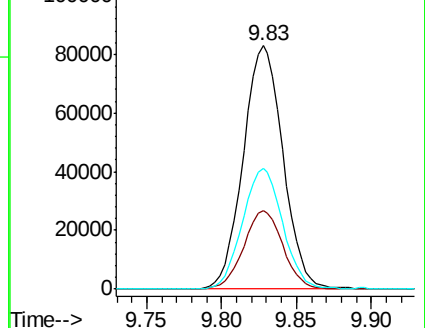
39 49.7 37.3 55.9



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: 20.085 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

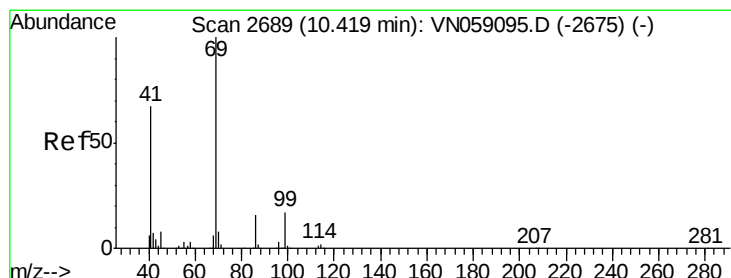
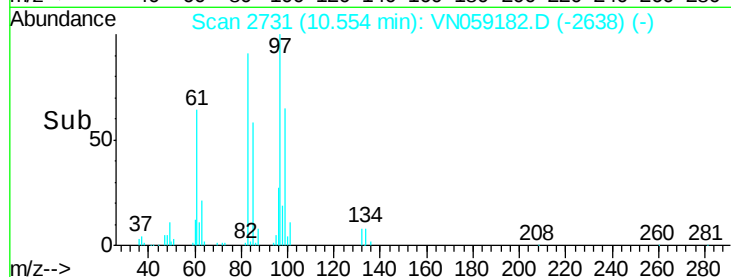
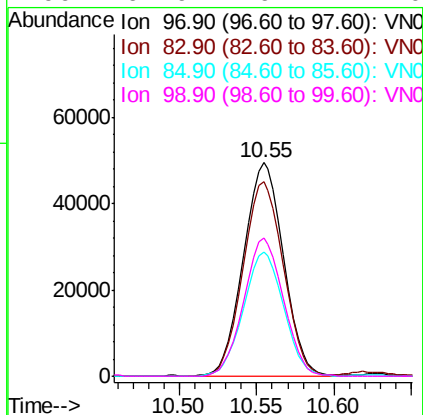
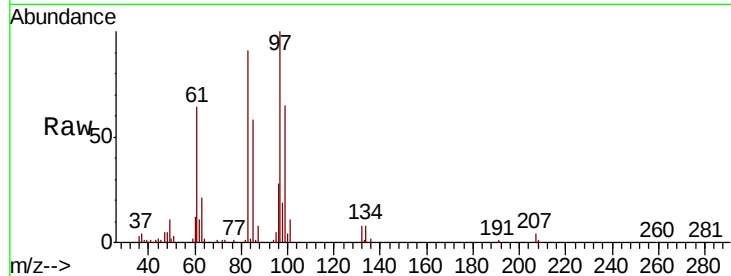
ClientSampleId :

VN1112WBS01

Tot Ion:	97	Resp:	89407
Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.0	106.4
85	58.3	45.8	68.8
99	64.9	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.785 ug/l

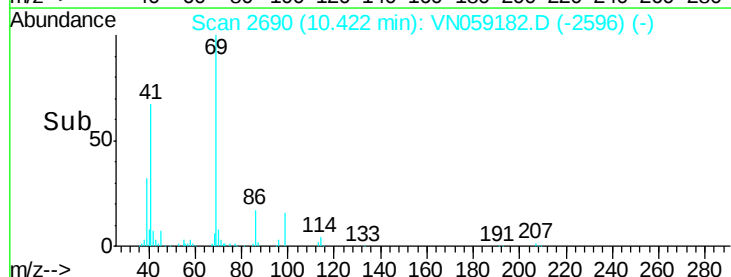
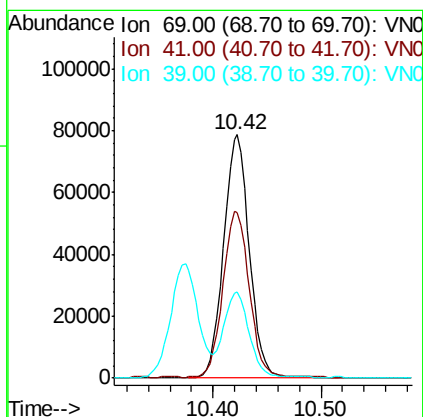
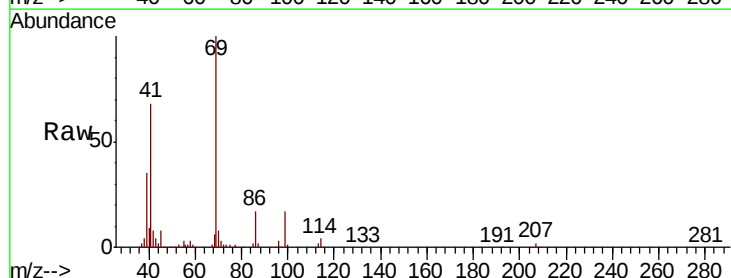
RT: 10.42 min Scan# 2690

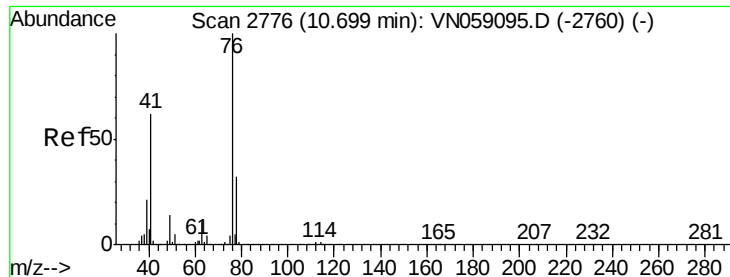
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	69	Resp:	130449
Ion	Ratio	Lower	Upper
69	100		
41	70.2	53.6	80.4
39	34.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.534 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 76 Resp: 157322

Ion Ratio Lower Upper

76 100

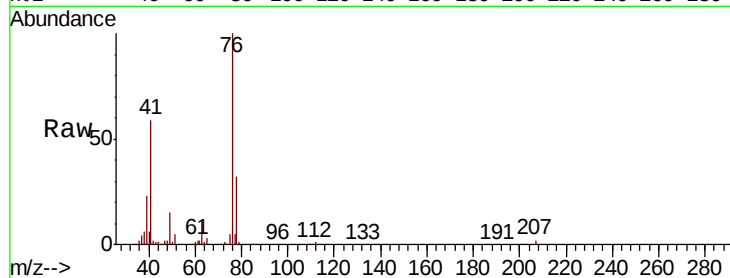
78 32.7 25.8 38.8

Manual Integrations

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MMDadoda

11/13/2019 12:07:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

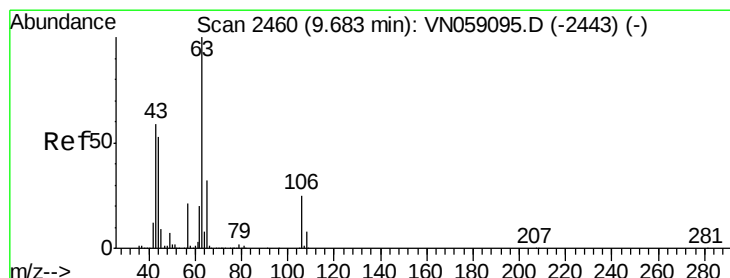
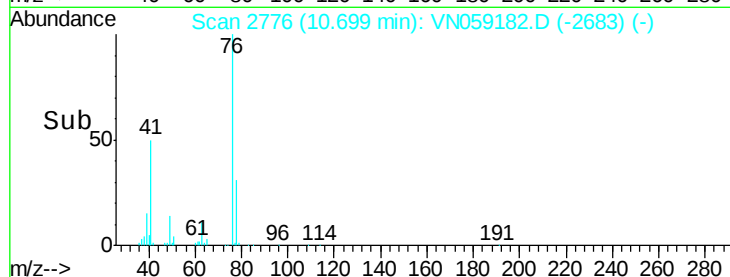
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 97.259 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059182.D

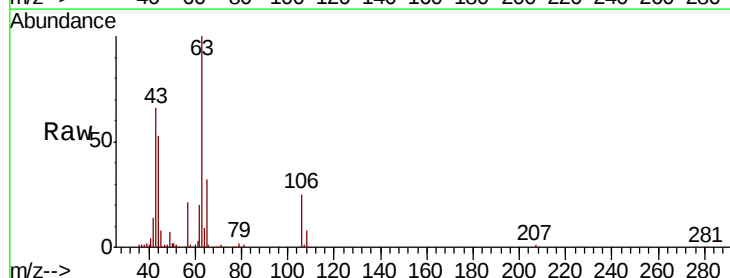
Acq: 12 Nov 2019 12:10

Tgt Ion: 63 Resp: 240945

Ion Ratio Lower Upper

63 100

106 24.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

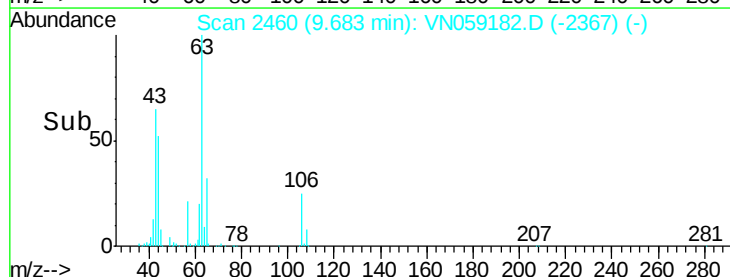
150000

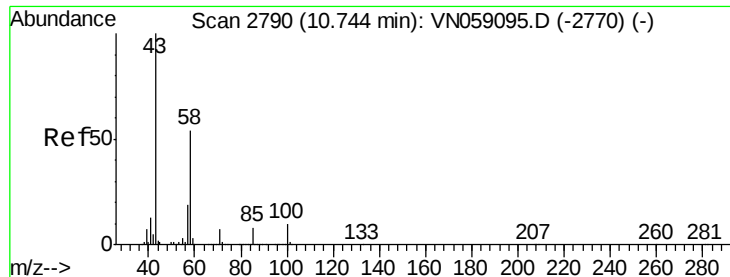
100000

50000

0

Time--> 9.60 9.70 9.80





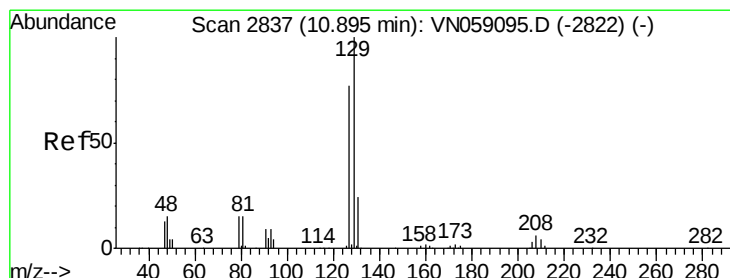
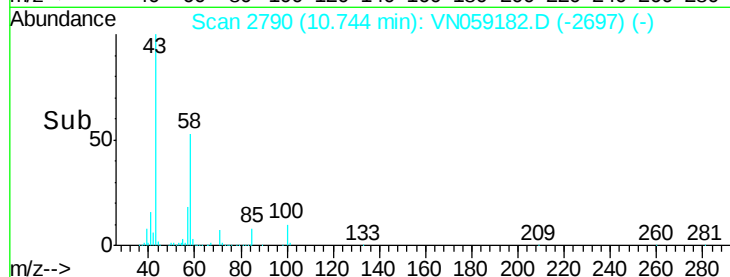
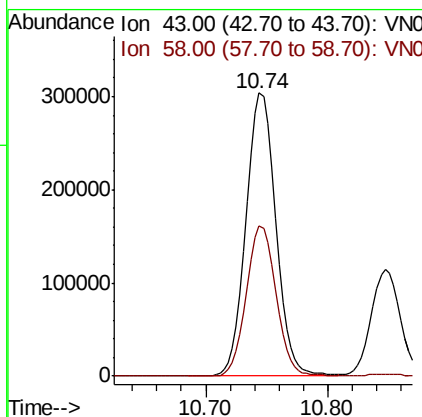
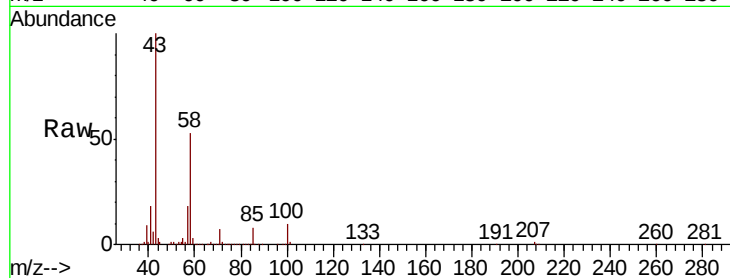
#59
2-Hexanone
Concen: 108.657 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	43	Resp	510028
Ion Ratio	43	100	
Lower	58	53.0	27.3
Upper			81.8

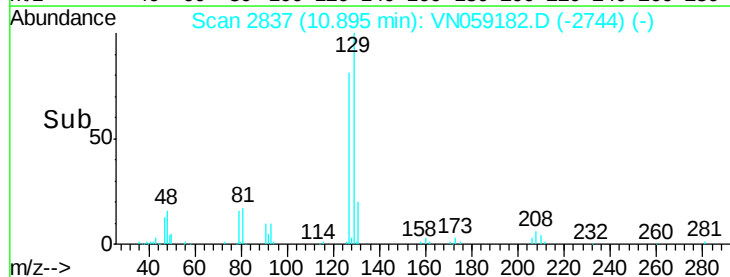
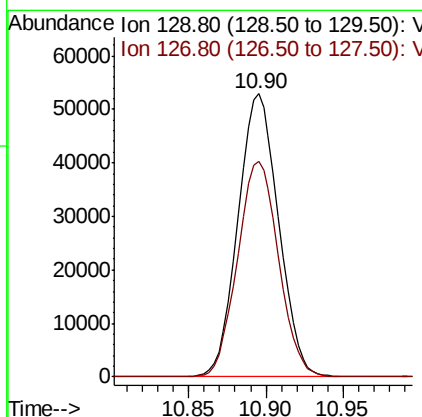
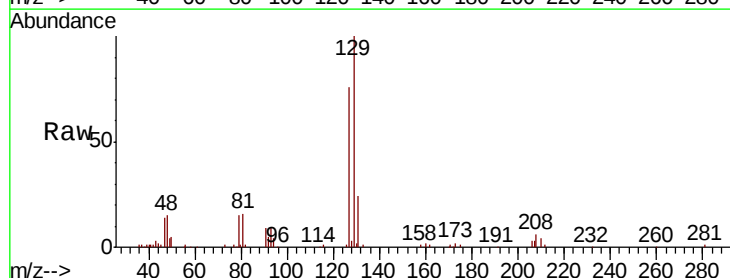
Manual Integrations
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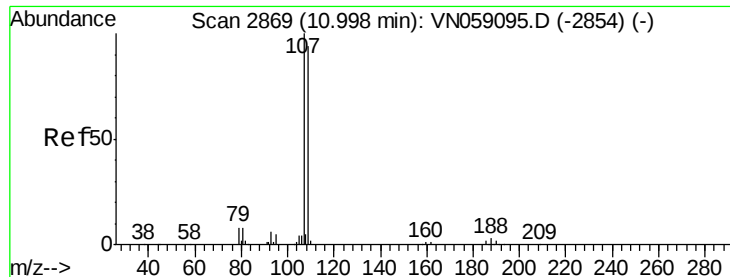
MMDadoda
11/13/2019 12:07:50 PM



#60
Dibromochloromethane
Concen: 20.456 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	129	Resp	96278
Ion Ratio	129	100	
Lower	127	77.1	38.6
Upper			115.8





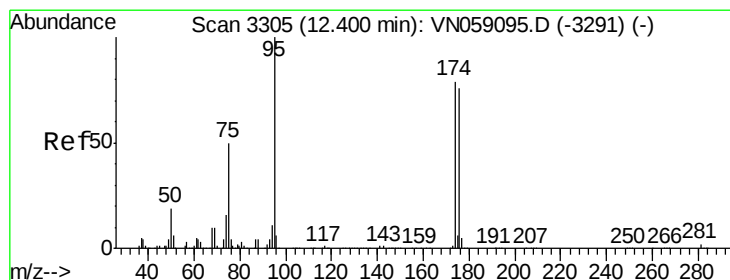
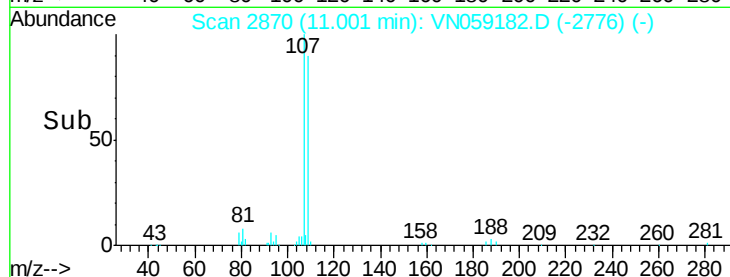
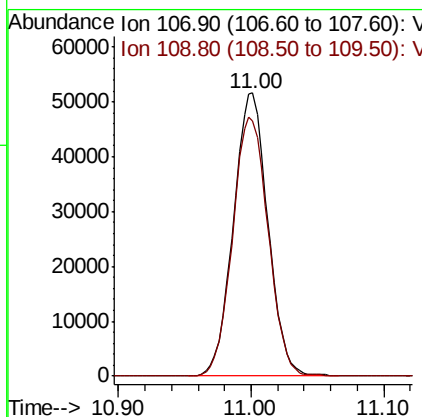
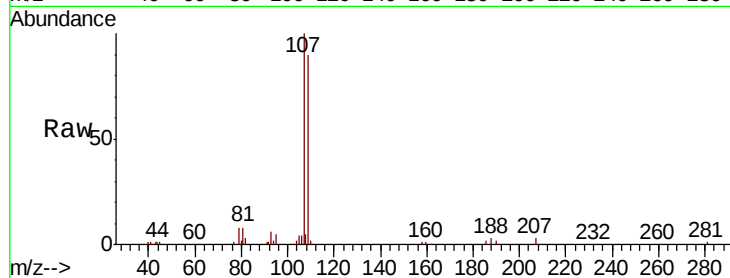
#61
 1,2-Dibromoethane
 Concen: 20.681 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.5	113.3

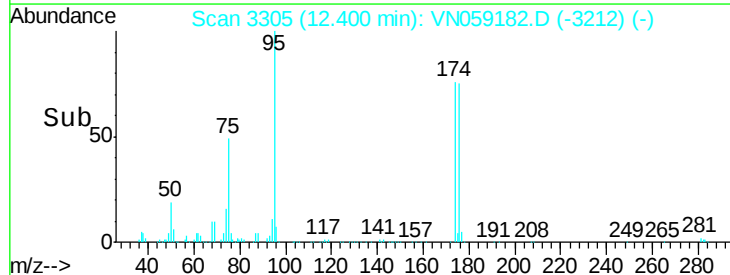
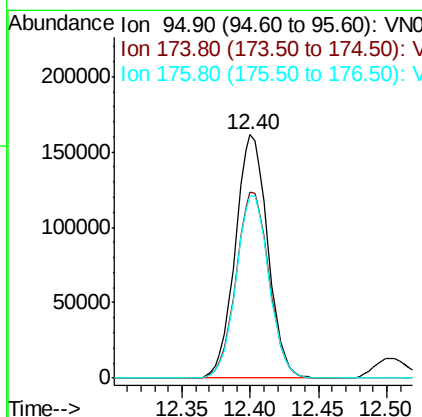
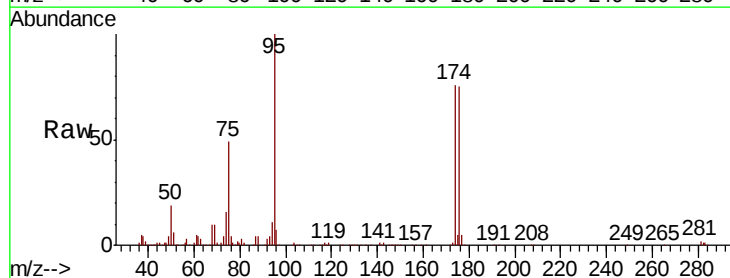
Manual Integrations
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 11/13/2019 12:07:50 PM



#62
 4-Bromofluorobenzene
 Concen: 48.164 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	158.2
176	76.0	0.0	151.8





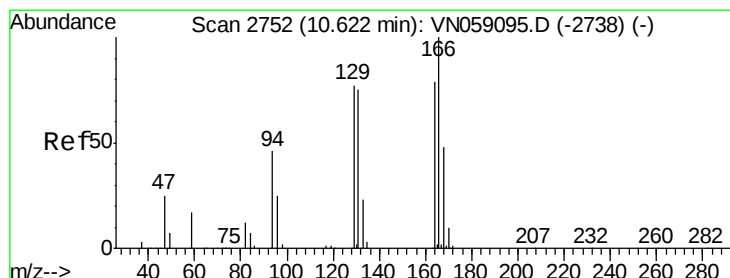
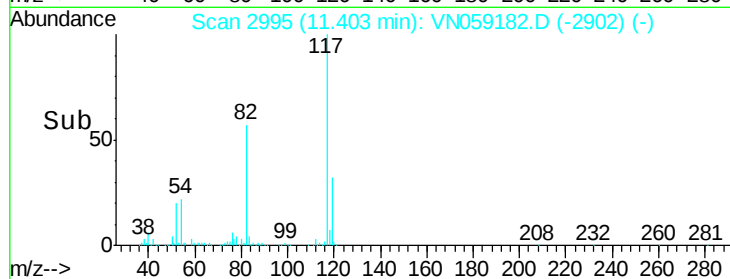
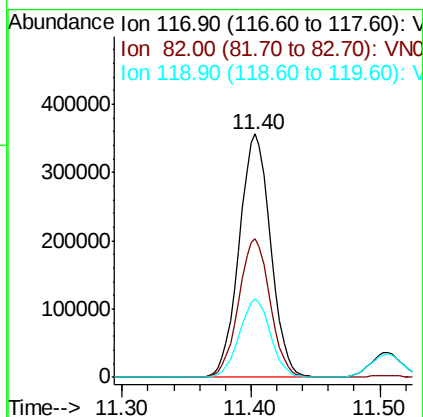
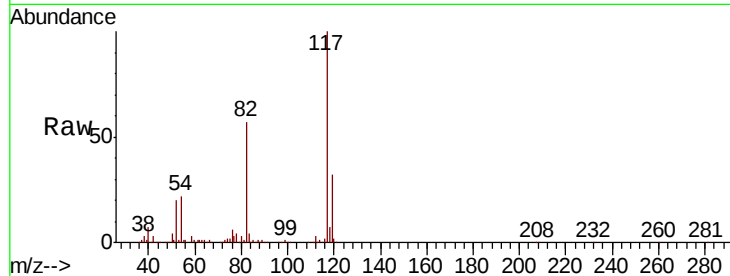
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.8
119	32.0	25.8	38.6

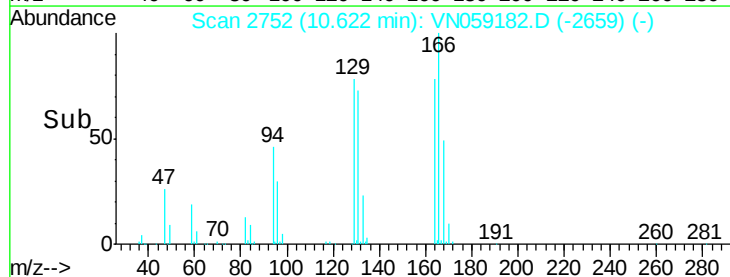
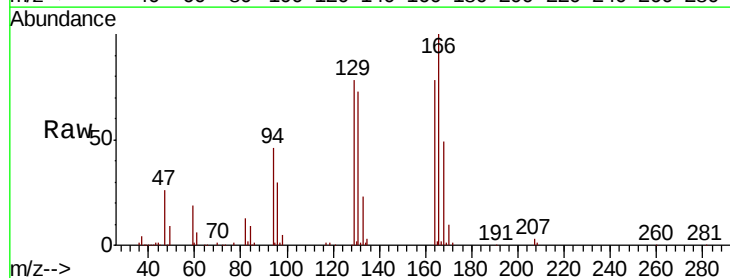
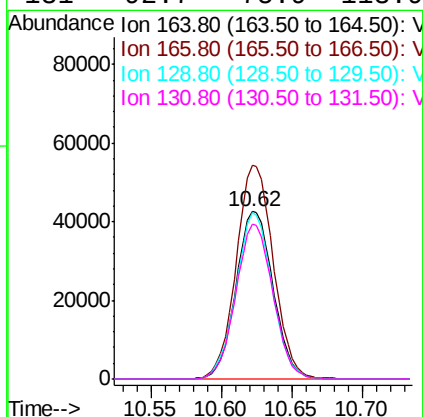
Manual Integrations
APPROVED

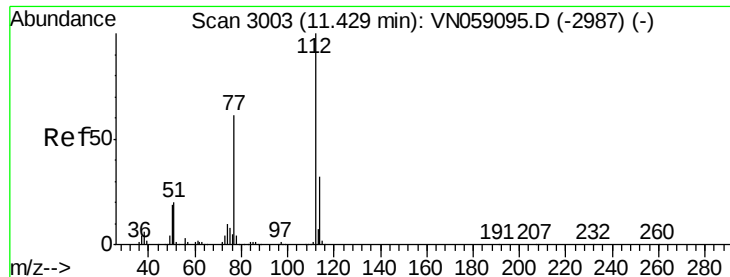
MMDadoda
11/13/2019 12:07:50 PM



#64
Tetrachloroethene
Concen: 19.142 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.5	152.3
129	99.1	78.3	117.5
131	92.7	75.9	113.9





#65

Chlorobenzene

Concen: 19.664 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion:112 Resp: 231729

Ion Ratio Lower Upper

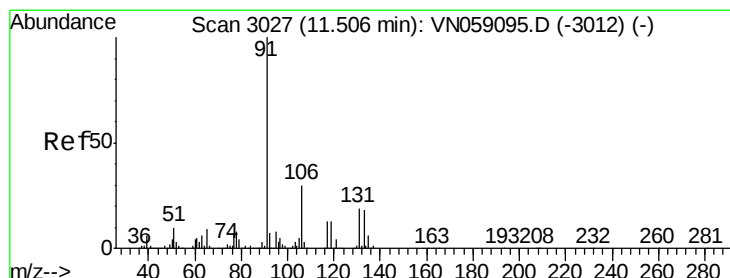
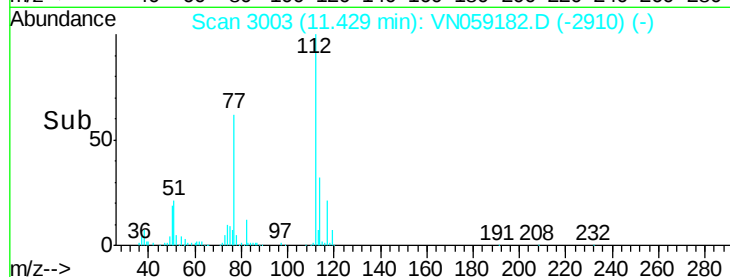
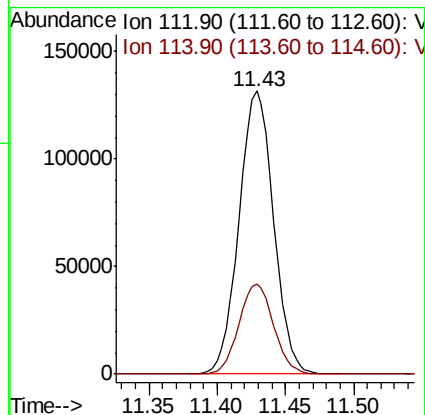
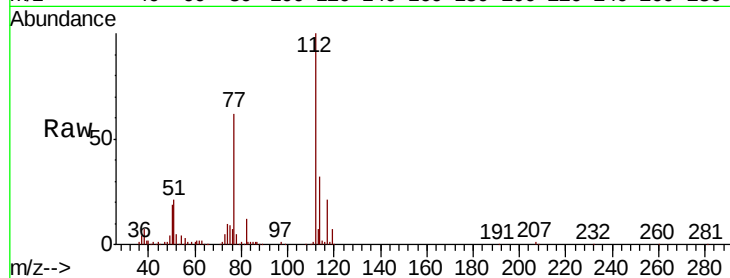
112 100

114 31.9 25.2 37.8

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

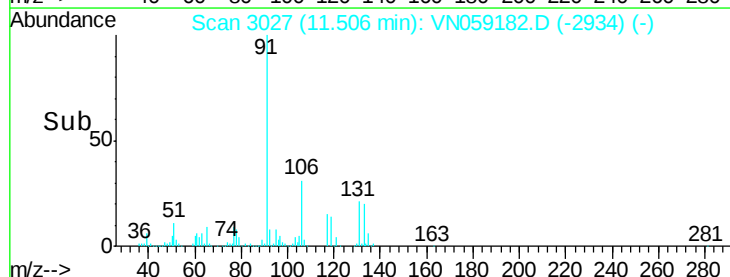
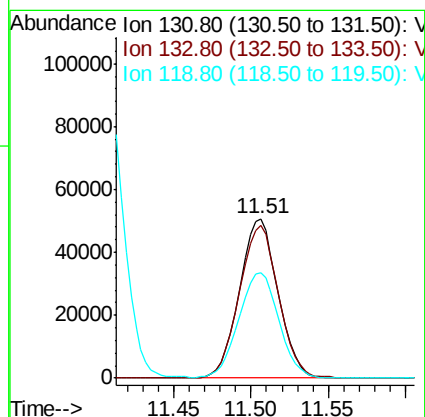
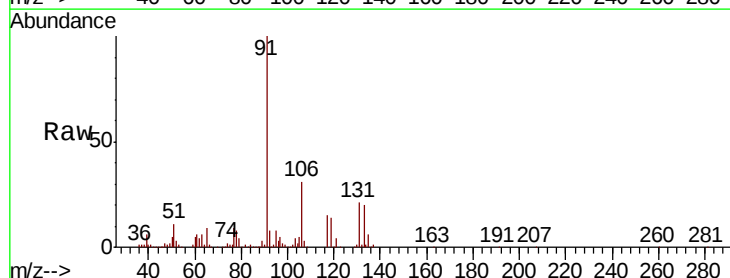
Tgt Ion:131 Resp: 87646

Ion Ratio Lower Upper

131 100

133 98.0 47.4 142.3

119 68.8 33.2 99.6





#67

Ethyl Benzene

Concen: 19.638 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 91 Resp: 410593

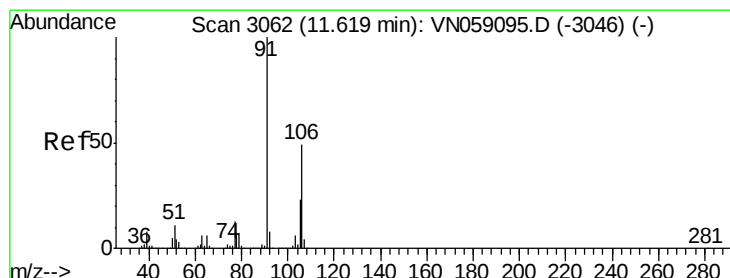
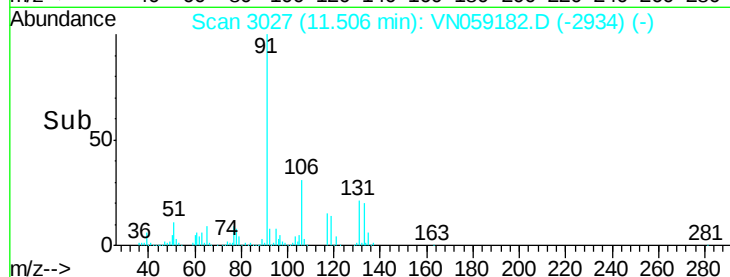
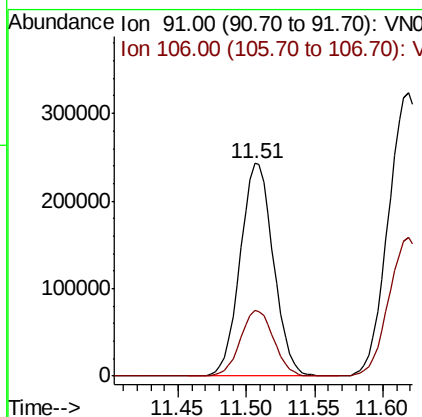
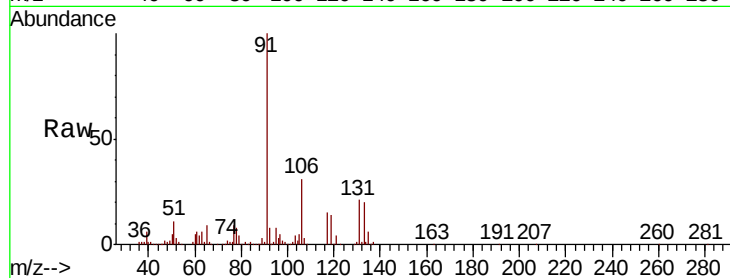
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.936 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059182.D

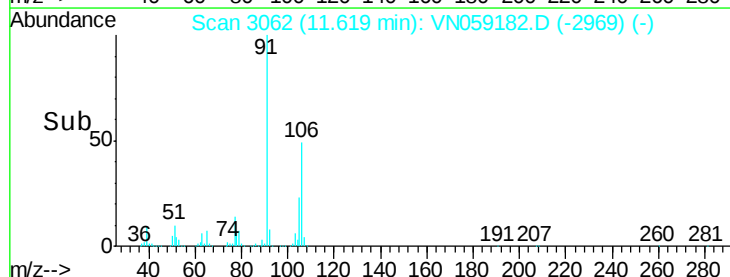
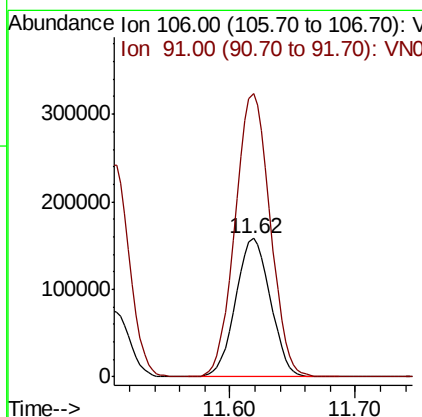
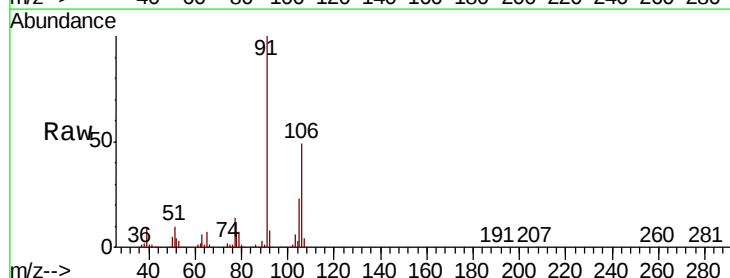
Acq: 12 Nov 2019 12:10

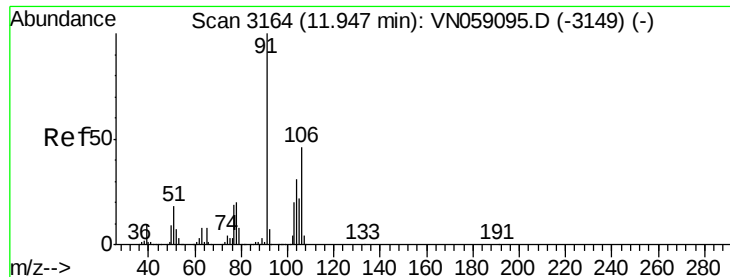
Tgt Ion: 106 Resp: 304938

Ion Ratio Lower Upper

106 100

91 205.0 164.7 247.1





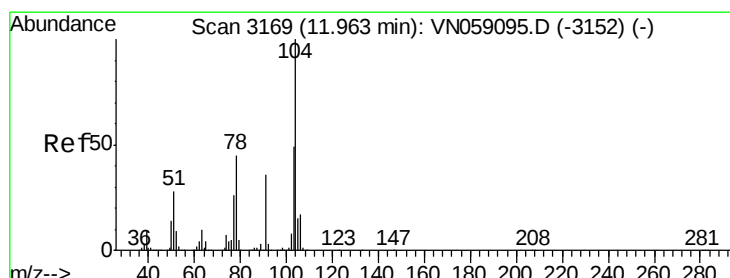
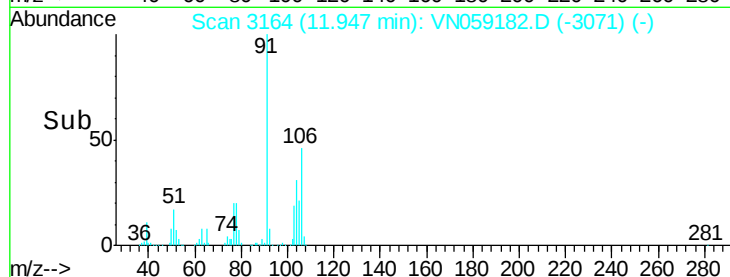
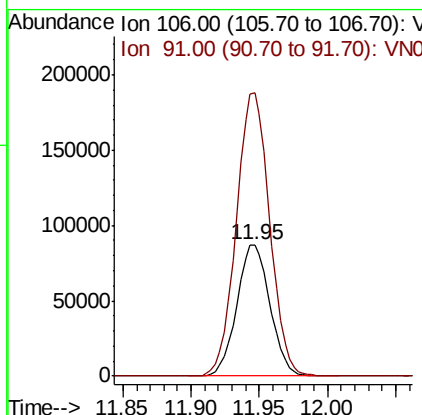
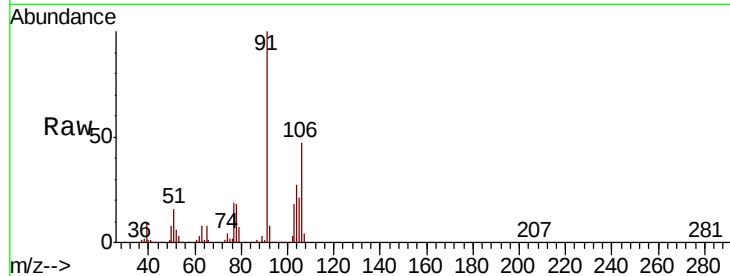
#69
o-Xylene
Concen: 19.349 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	146448		
91	91	217.9	110.1	330.3	

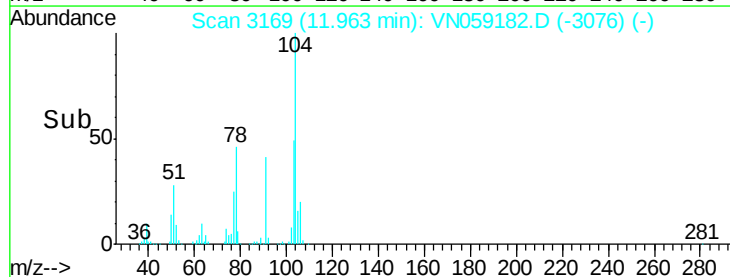
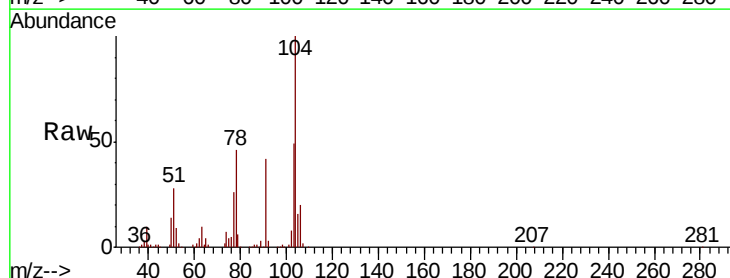
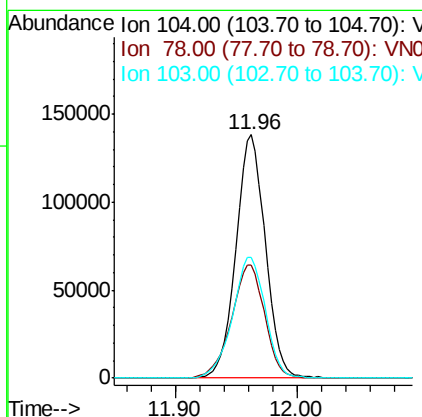
Manual Integrations
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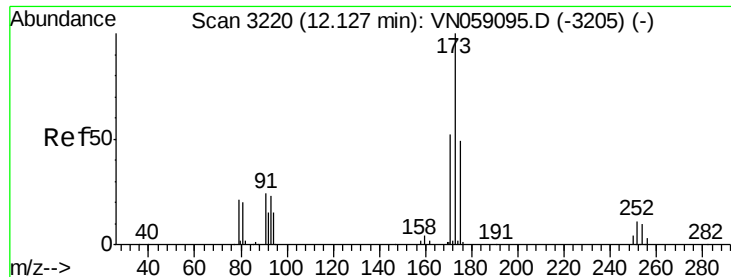
MMDadoda
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#70
Styrene
Concen: 19.414 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	231098		
78	78	52.6	41.2	61.8	
103	103	55.3	43.8	65.6	





#71

Bromoform

Concen: 19.592 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

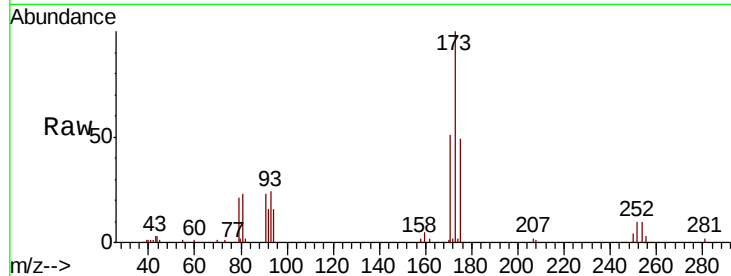
ClientSampleId :

VN1112WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1#

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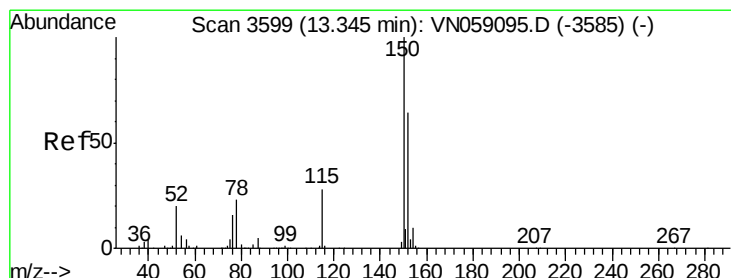
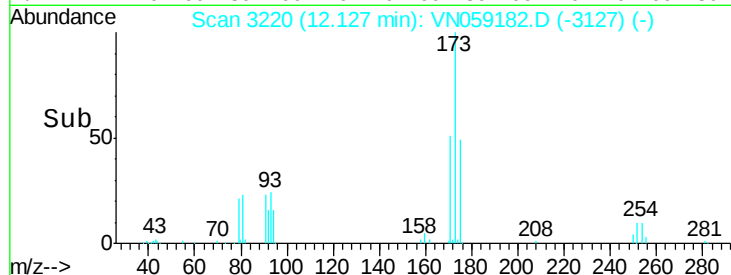
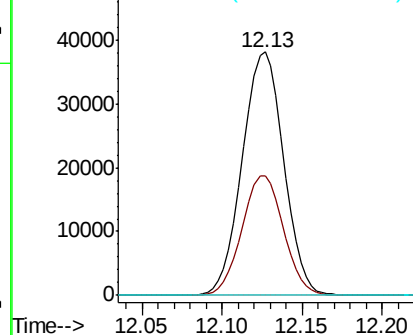


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

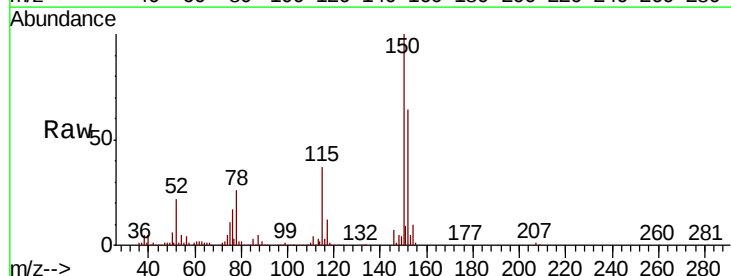
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	162.7	0.0	345.8

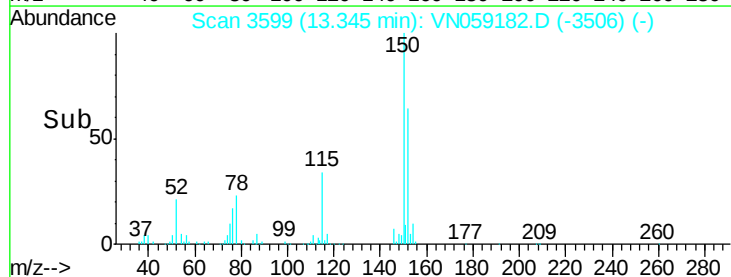
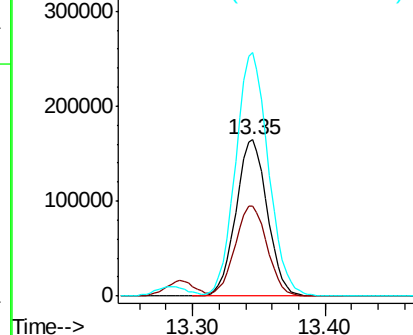


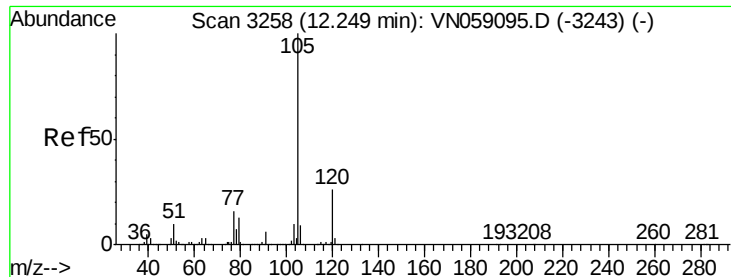
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.082 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 105 Resp: 395877

Ion Ratio Lower Upper

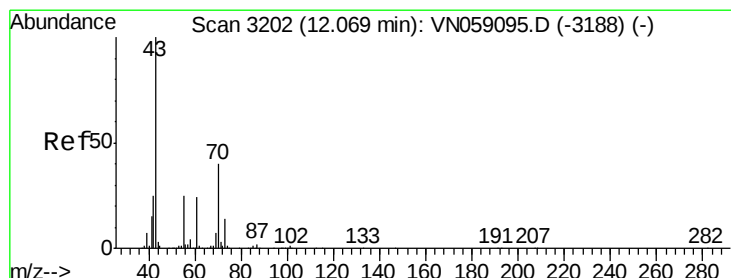
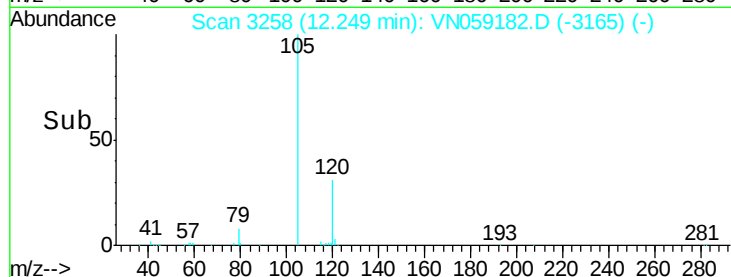
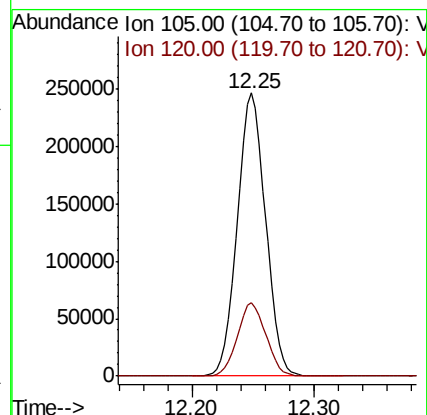
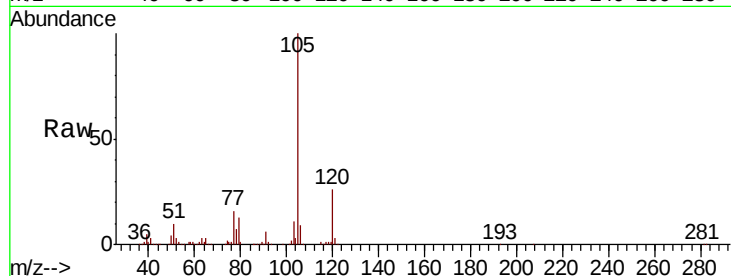
105 100

120 26.2 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.049 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion: 43 Resp: 167470

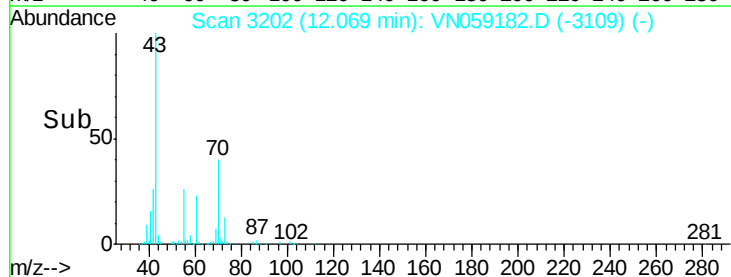
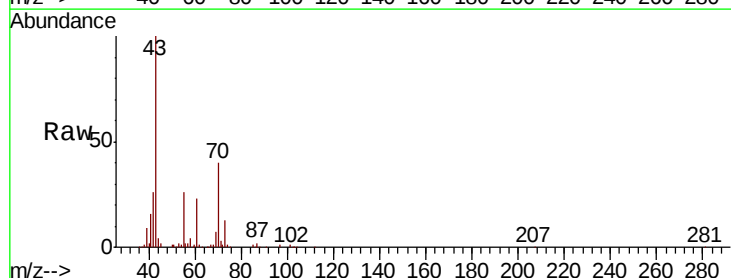
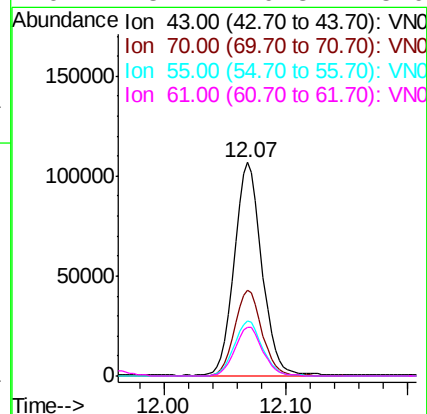
Ion Ratio Lower Upper

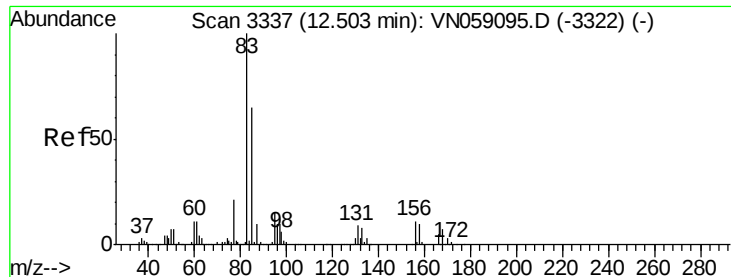
43 100

70 40.5 32.2 48.4

55 26.5 20.4 30.6

61 23.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

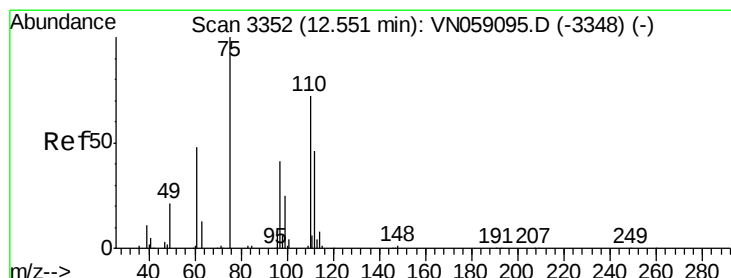
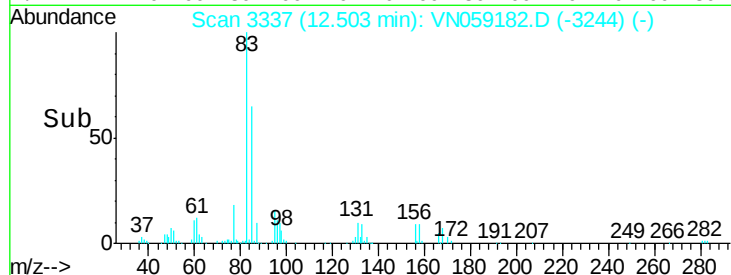
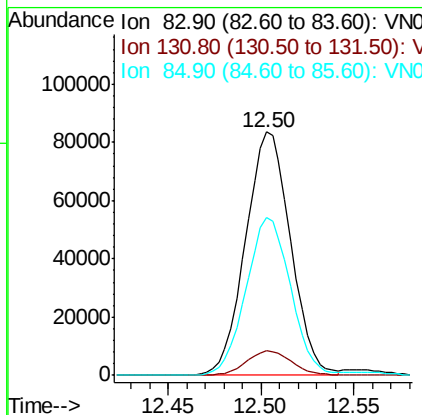
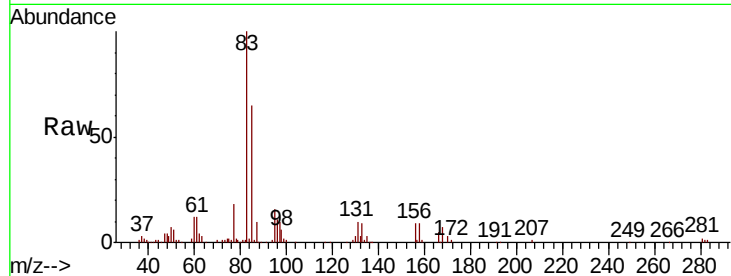
ClientSampleId :

VN1112WBS01

Tot Ion:	83	Resp:	140909
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.1	32.4	97.2

Manual Integrations
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11/13/2019 12:07:50 PM



#76

1,2,3-Trichloropropane

Concen: 19.956 ug/l m

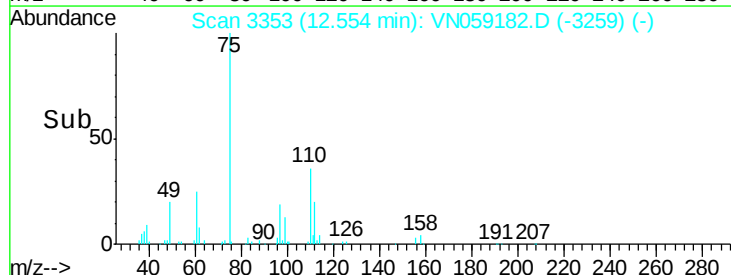
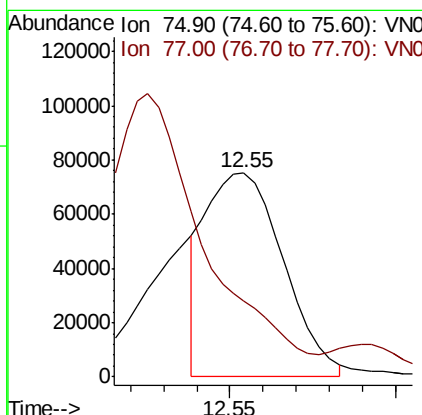
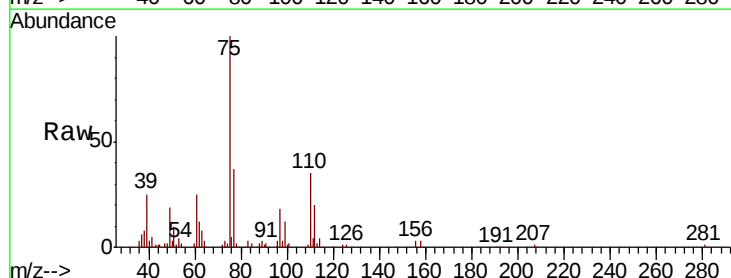
RT: 12.55 min Scan# 3353

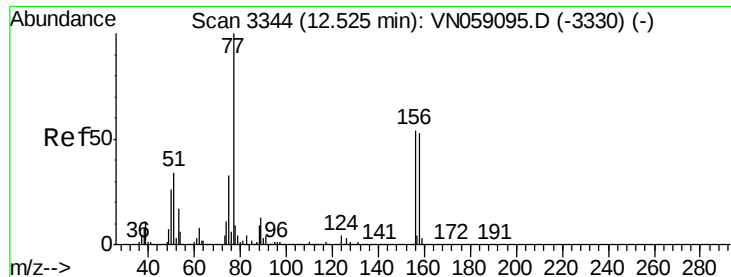
Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	75	Resp:	123122
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.252 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

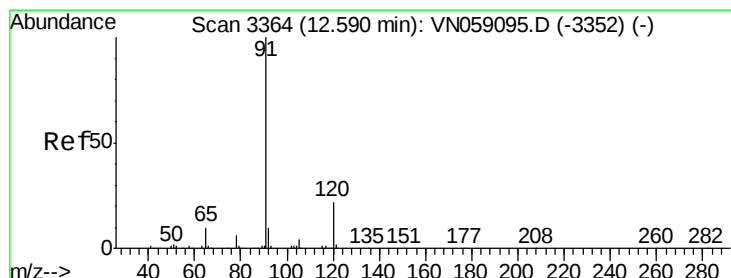
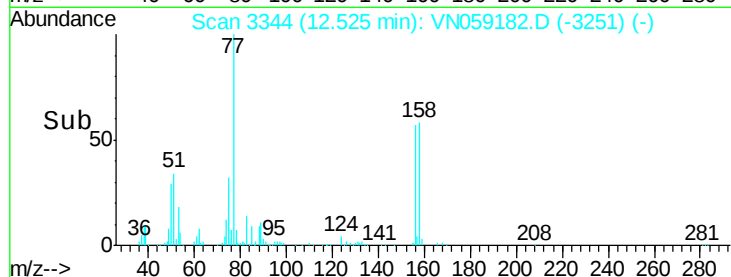
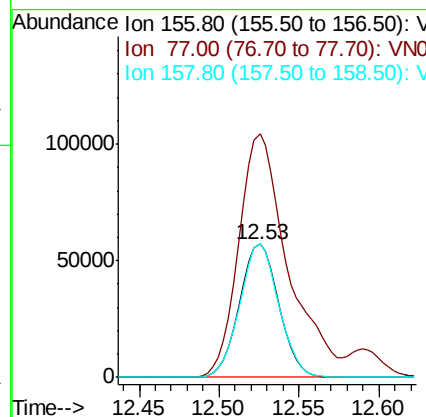
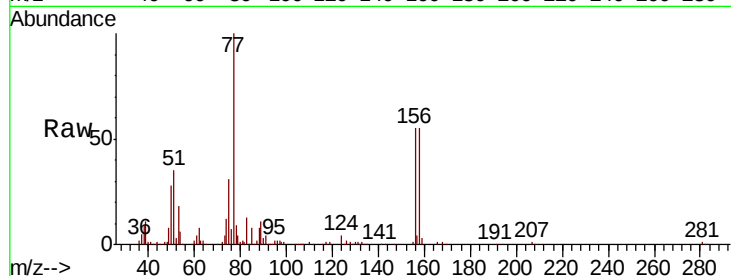
ClientSampleId :

VN1112WBS01

Tot Ion:	156	Resp:	95350
Ion Ratio	Lower	Upper	
156	100		
77	229.7	112.8	338.3
158	99.8	48.4	145.3

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#78

n-propylbenzene

Concen: 20.370 ug/l

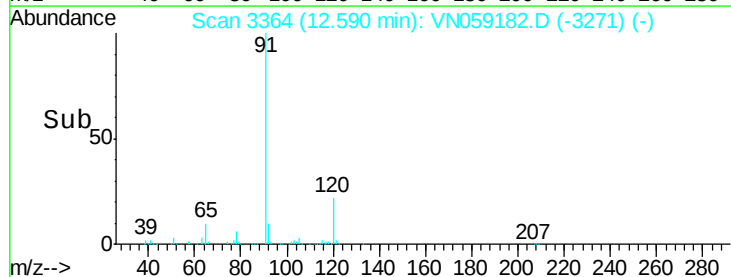
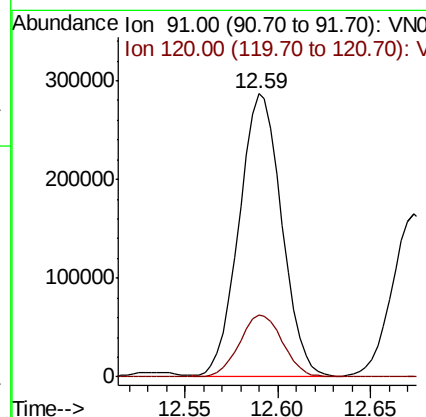
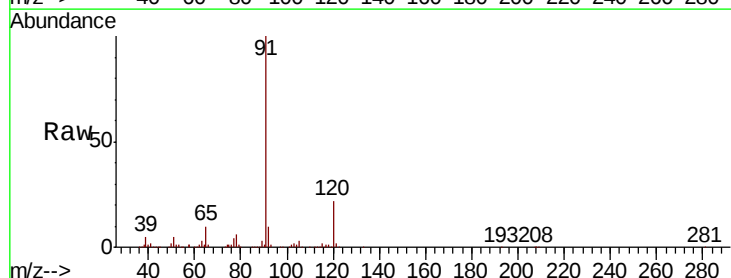
RT: 12.59 min Scan# 3364

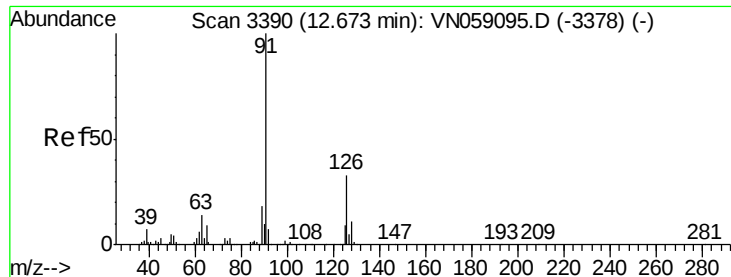
Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	91	Resp:	459759
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 91 Resp: 277326

Ion Ratio Lower Upper

91 100

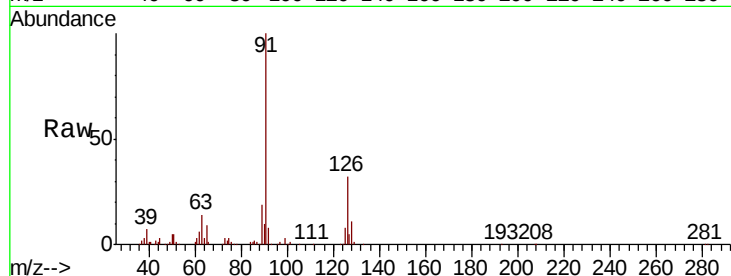
126 32.7 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059182.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059182.D (-3297) (-)

200000

150000

100000

50000

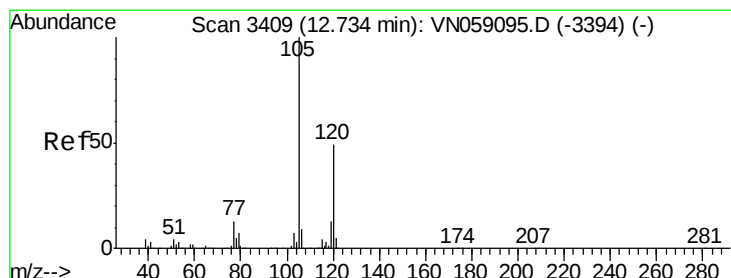
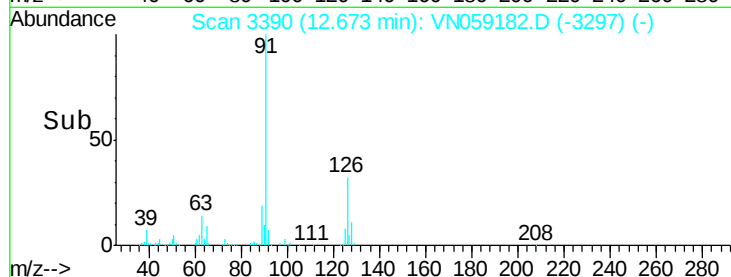
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.974 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059182.D

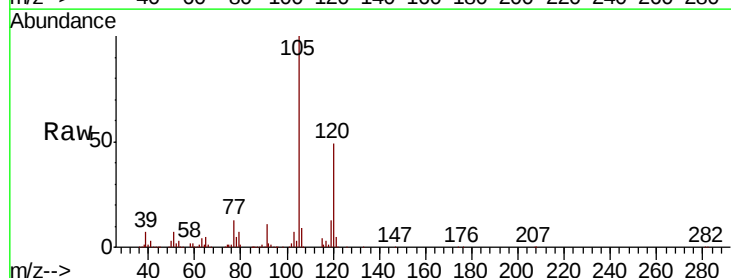
Acq: 12 Nov 2019 12:10

Tgt Ion: 105 Resp: 333629

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059182.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059182.D (-3316) (-)

200000

150000

100000

50000

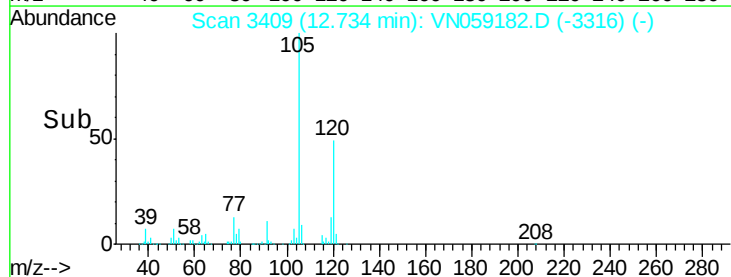
0

12.73

12.70

12.80

Time-->





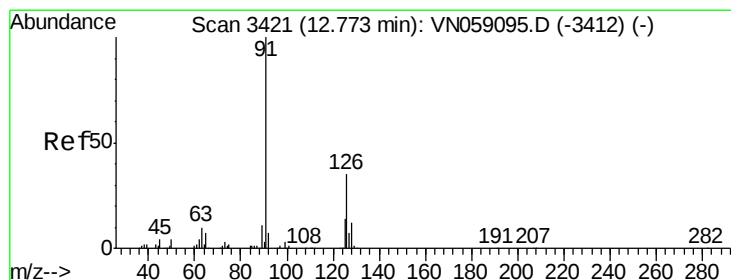
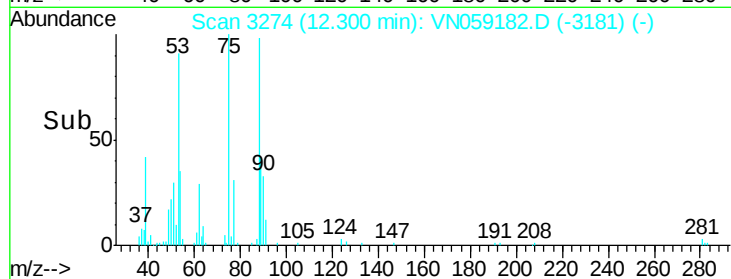
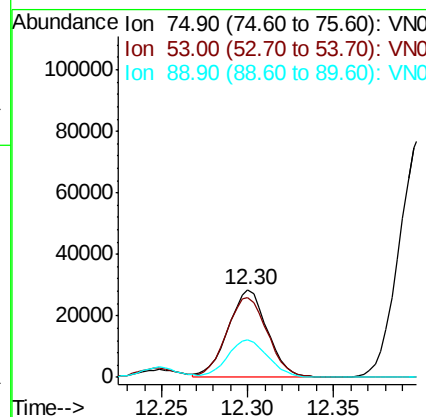
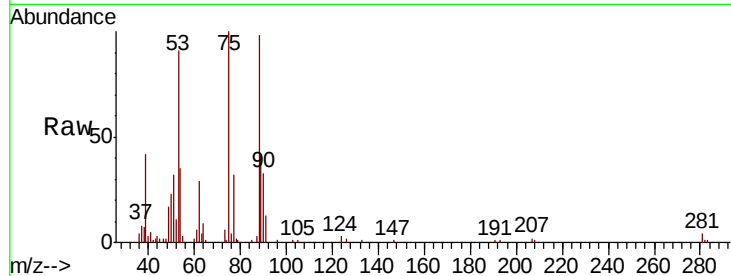
#81
trans-1,4-Dichloro-2-butene
Concen: 19.432 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	72.2	108.2
89	44.5	35.8	53.8

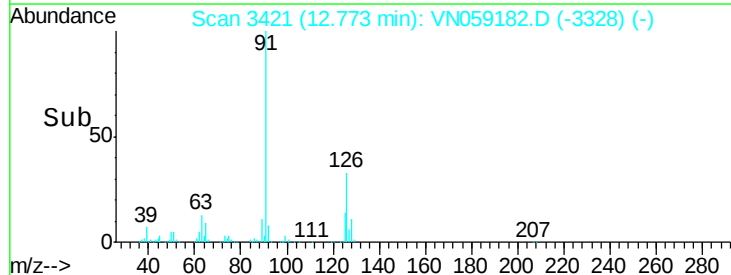
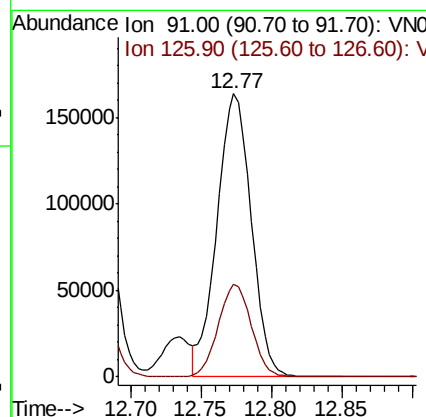
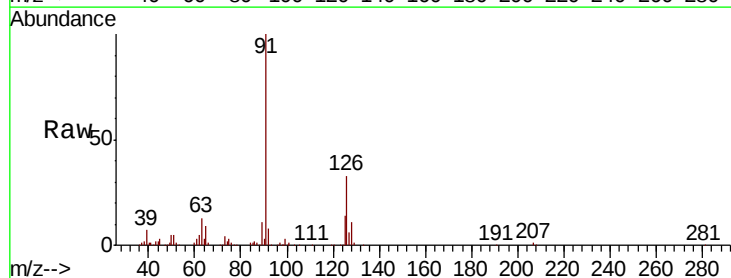
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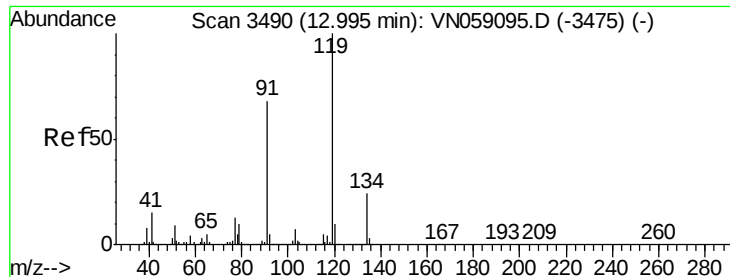
MMDadoda
11/13/2019 12:07:50 PM



#82
4-Chlorotoluene
Concen: 19.570 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.1	48.2





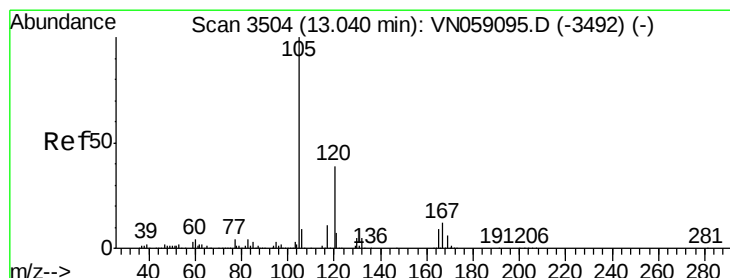
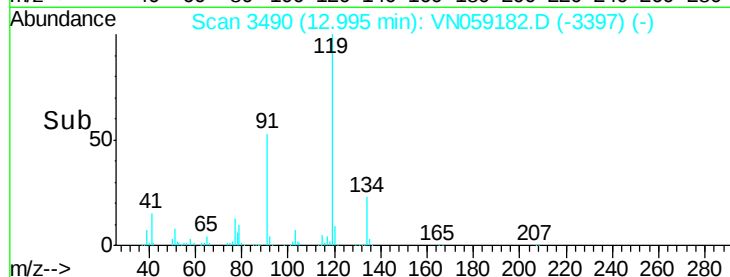
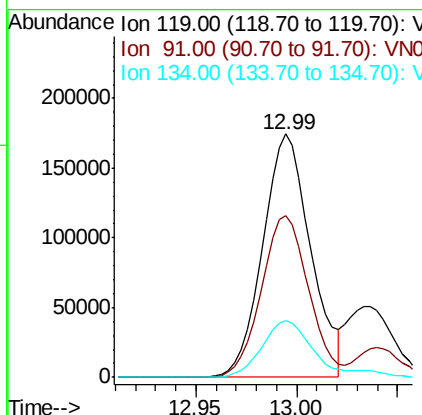
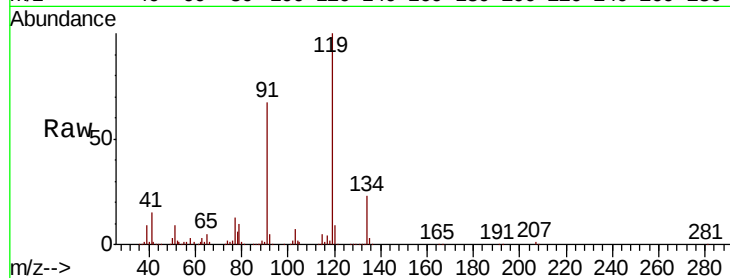
#83
tert-Butylbenzene
Concen: 19.949 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.2	99.6
134	26.1	12.7	38.1

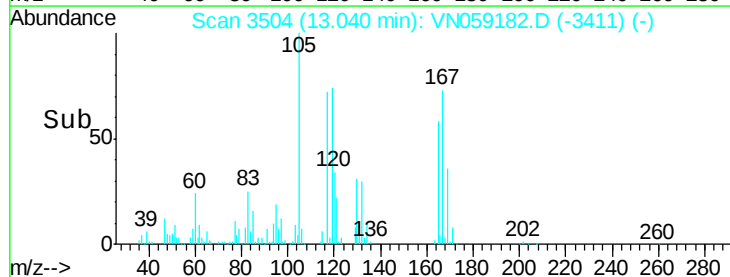
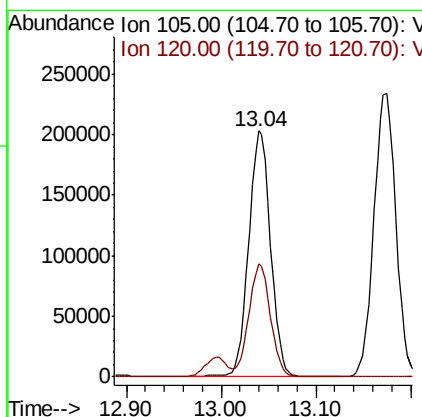
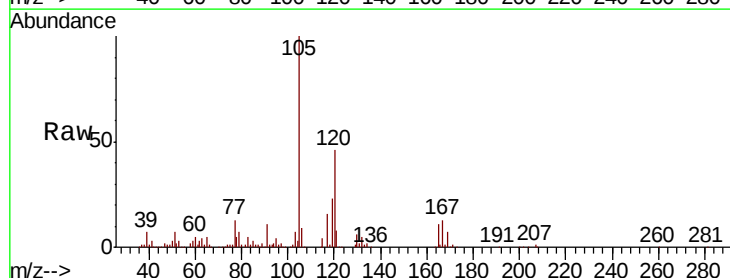
Manual Integrations
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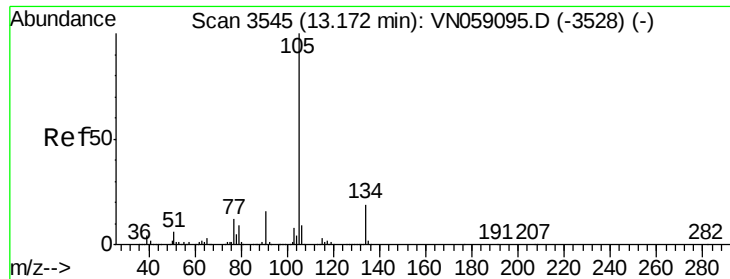
MMDadoda
11/13/2019 12:07:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.218 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.068 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion:105 Resp: 376475

Ion Ratio Lower Upper

105 100

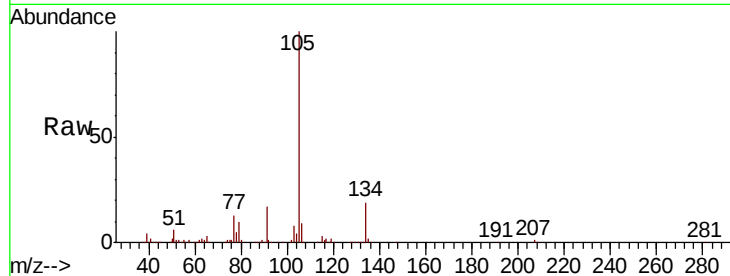
134 19.4 9.7 29.1

Manual Integrations

APPROVED

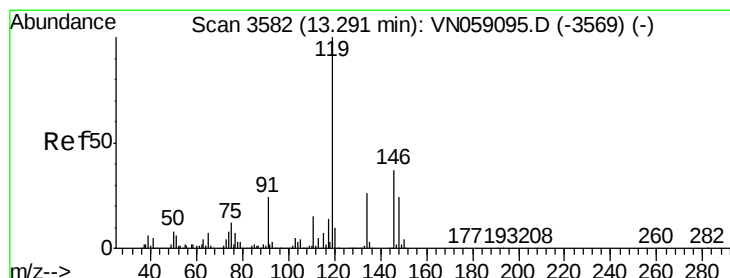
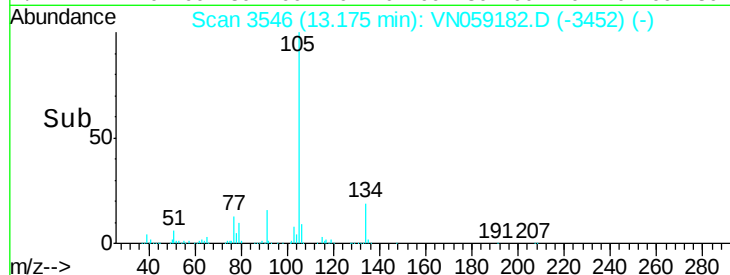
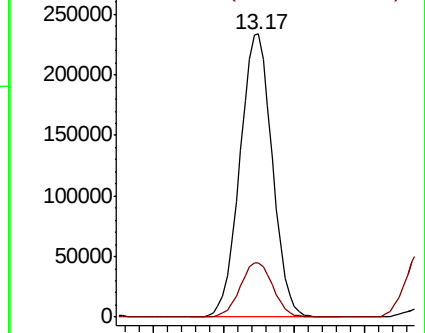
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.011 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

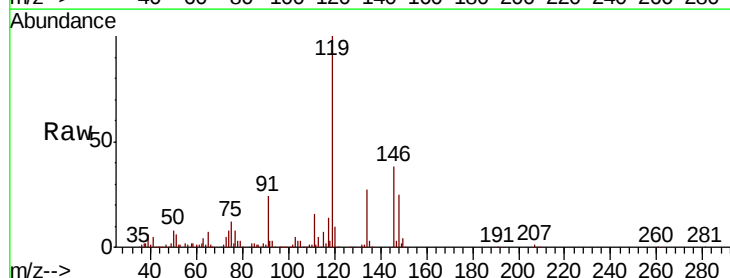
Tgt Ion:119 Resp: 331479

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

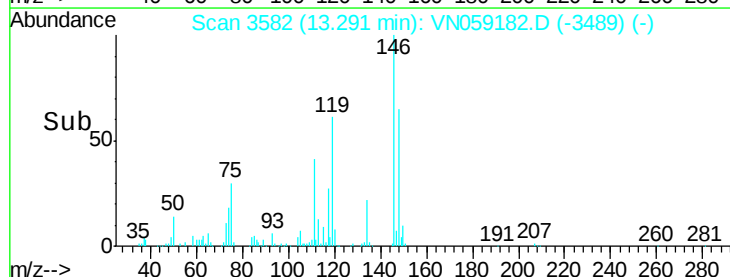
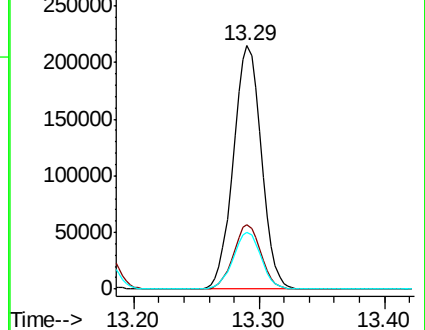
91 23.2 11.7 35.1



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





#87

1,3-Dichlorobenzene

Concen: 19.578 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059182.D

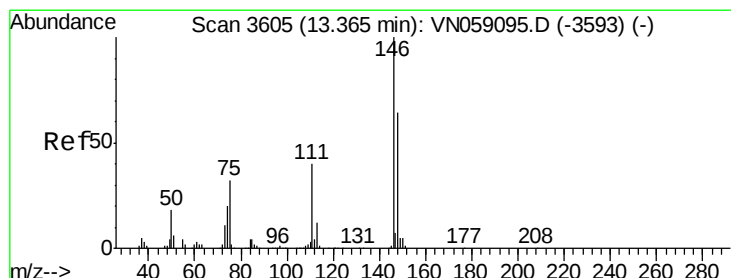
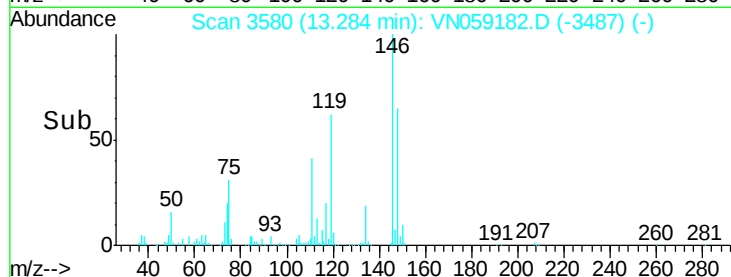
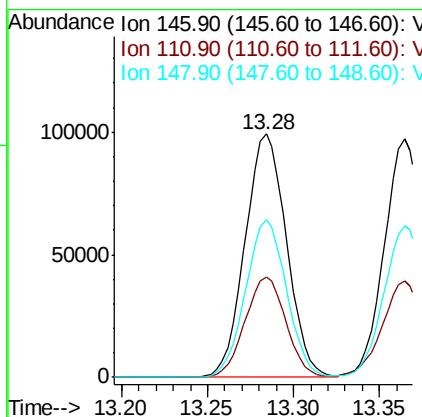
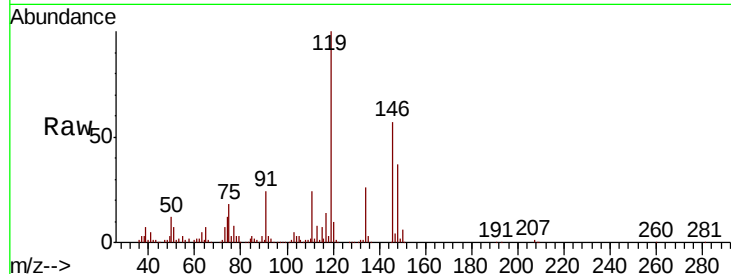
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166036		
111	40.6	20.4	61.3	
148	64.2	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.807 ug/l

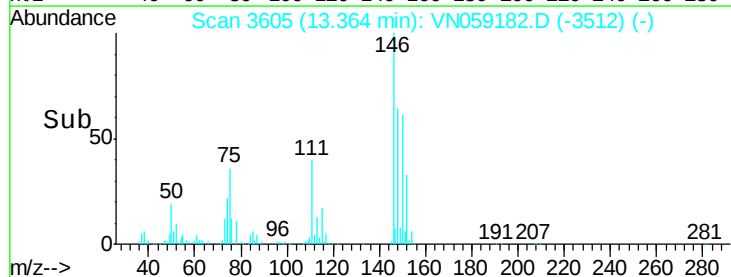
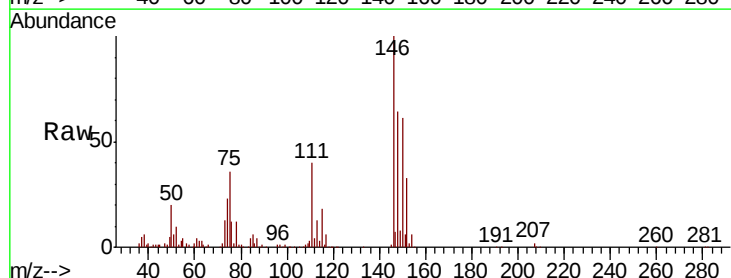
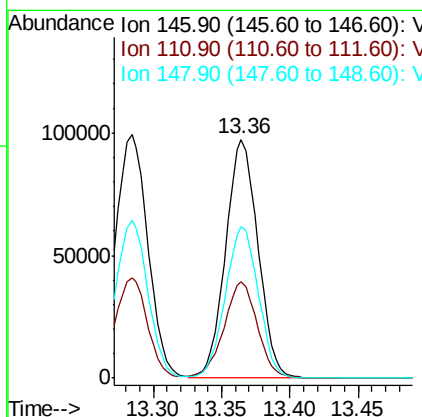
RT: 13.36 min Scan# 3605

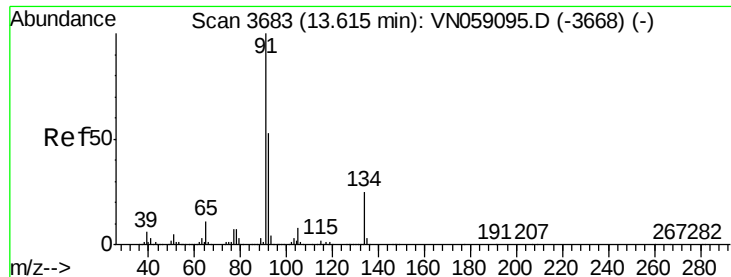
Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	159589		
111	42.1	20.3	60.9	
148	65.3	31.9	95.7	





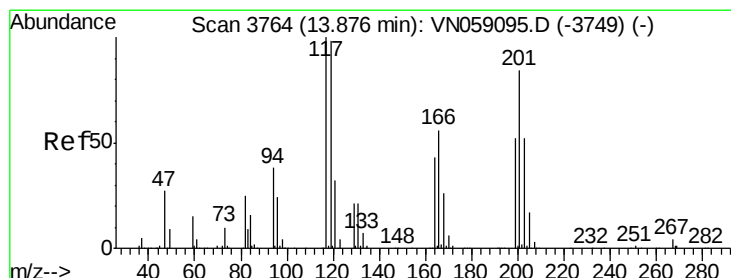
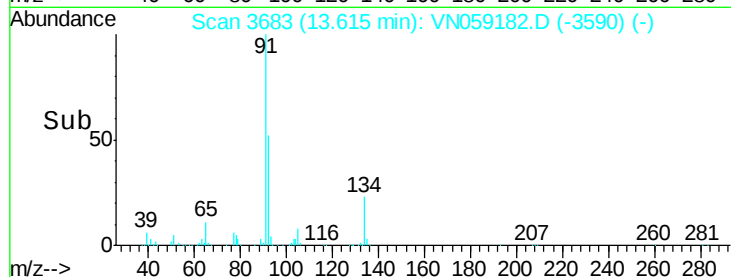
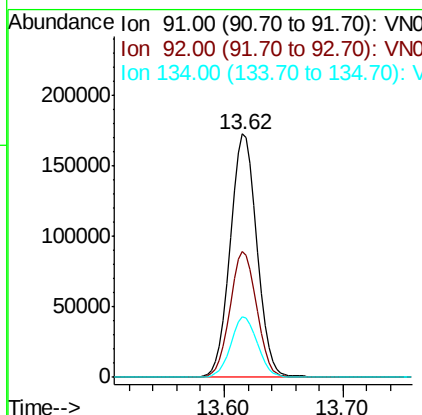
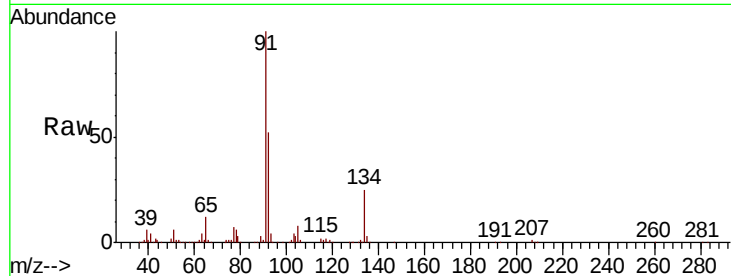
#89
n-Butylbenzene
Concen: 18.565 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	24.9	12.6	37.8

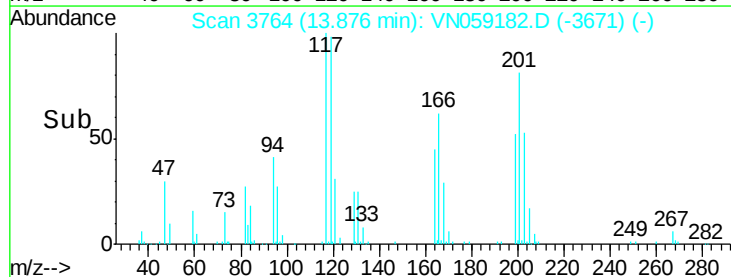
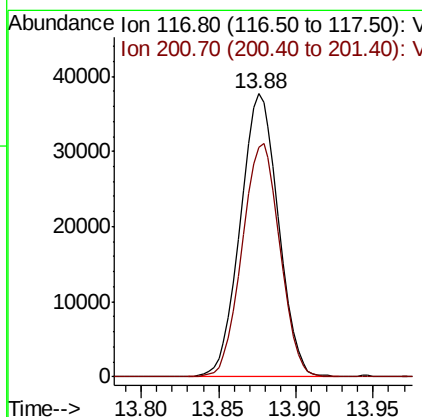
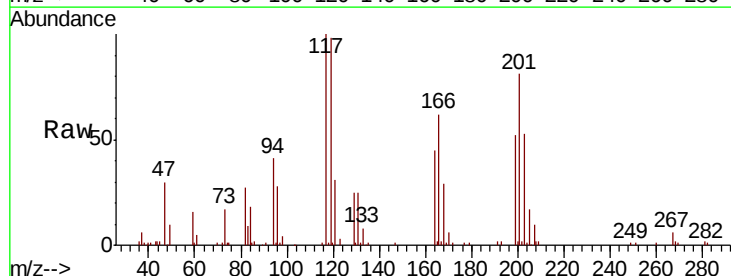
Manual Integrations
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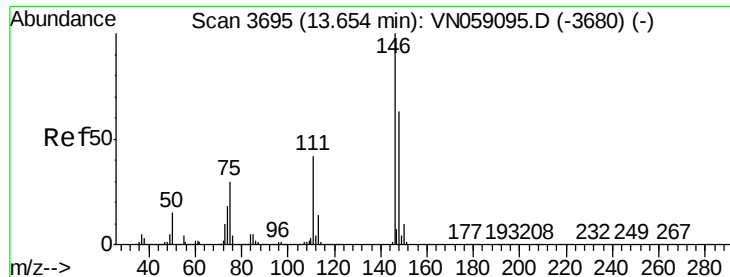
MMDadoda
11/13/2019 12:07:50 PM



#90
Hexachloroethane
Concen: 19.415 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 20.177 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

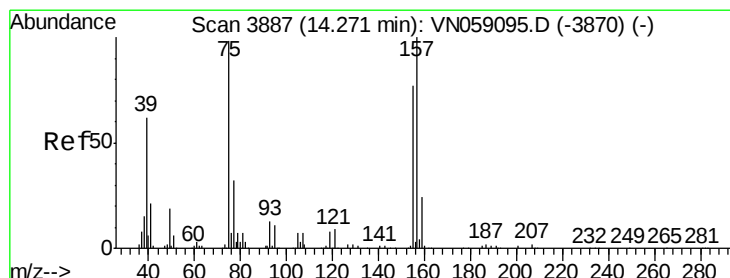
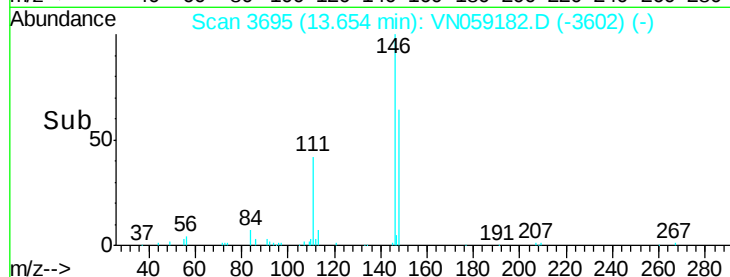
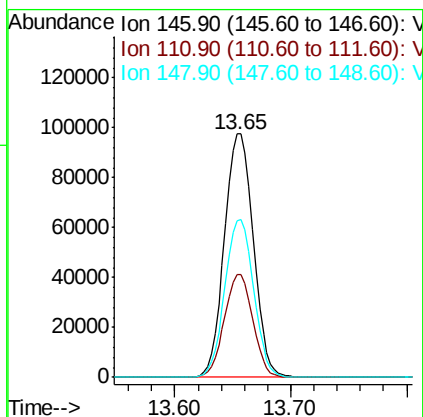
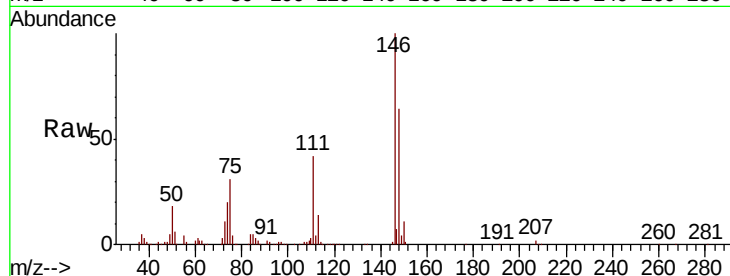
ClientSampleId :

VN1112WBS01

Tot Ion:	146	Resp:	168334
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.2	63.6
148	64.5	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.004 ug/l

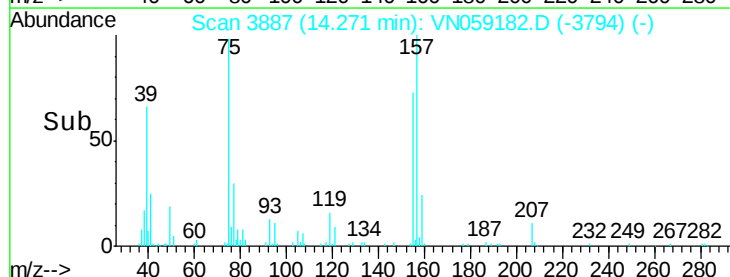
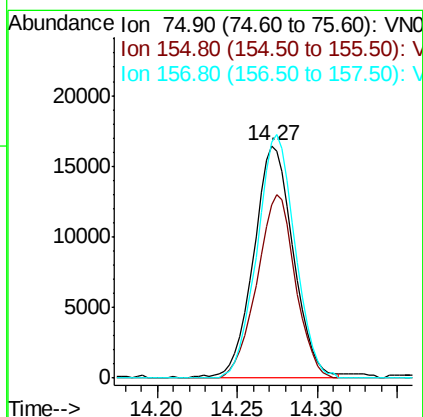
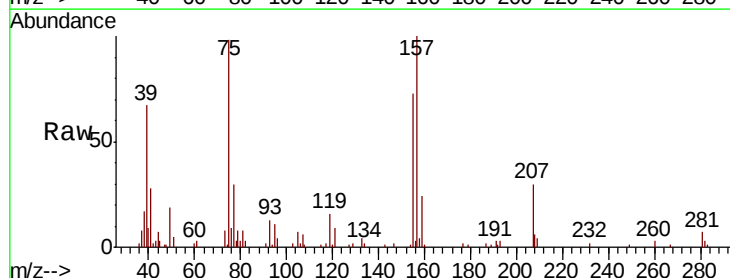
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	75	Resp:	28111
Ion Ratio	Lower	Upper	
75	100		
155	76.0	40.2	120.6
157	100.2	51.8	155.5





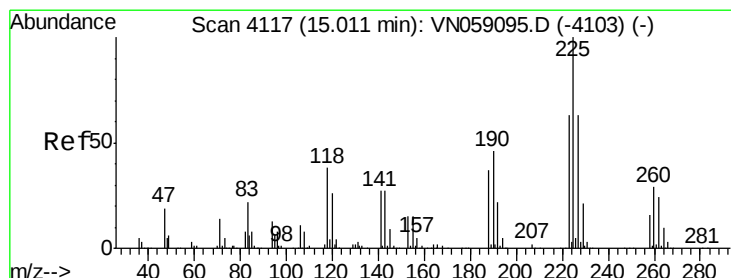
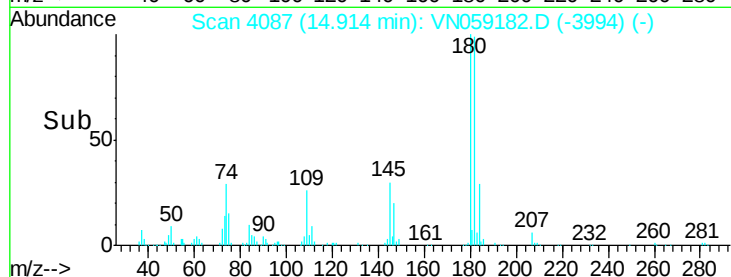
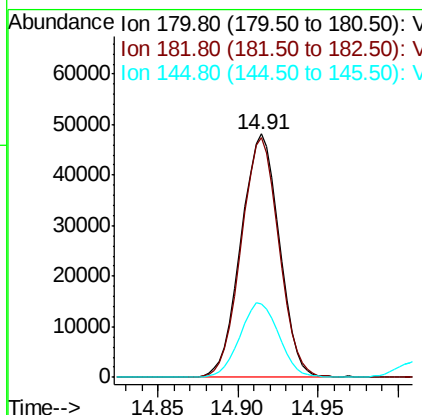
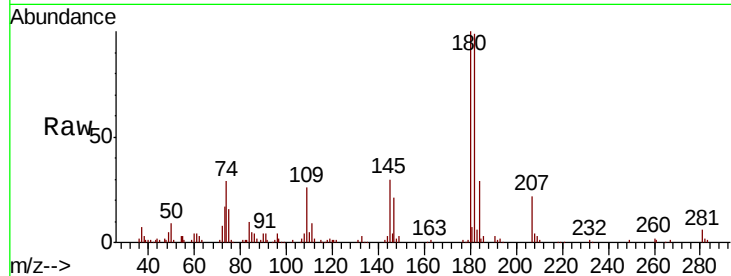
#93
 1,2,4-Trichlorobenzene
 Concen: 17.696 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78961		
182	96.8		48.1	144.3
145	31.2		15.1	45.3

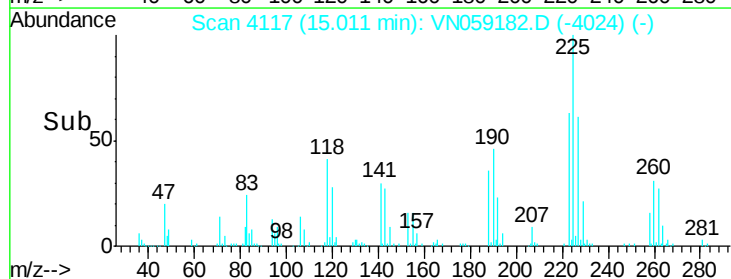
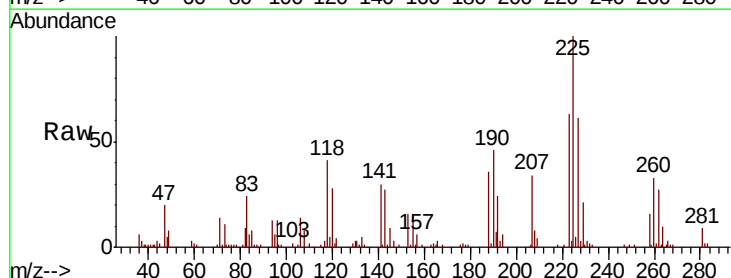
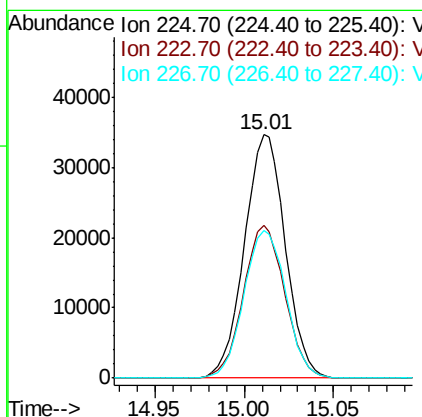
Manual Integrations
 APPROVED

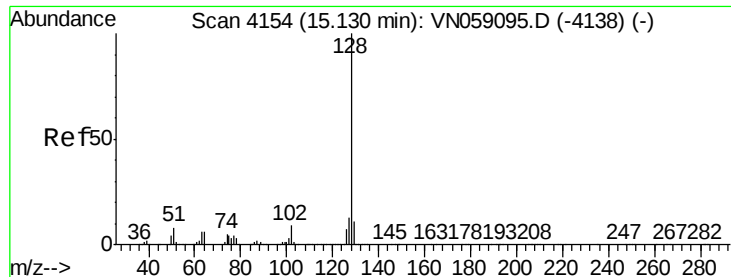
MMDadoda
 11/13/2019 12:07:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.320 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55575		
223	63.6		31.3	93.9
227	62.2		31.5	94.5





#95

Naphthalene

Concen: 17.304 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

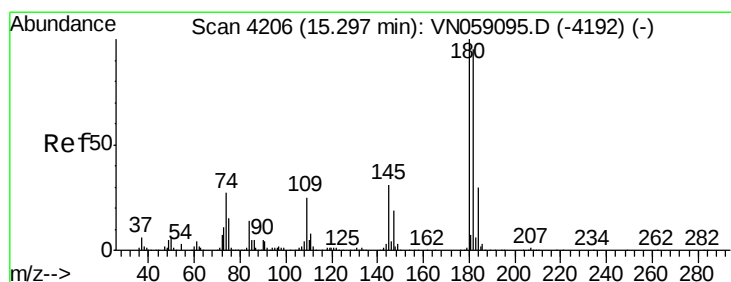
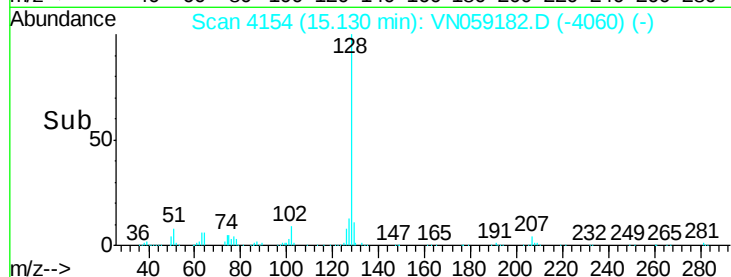
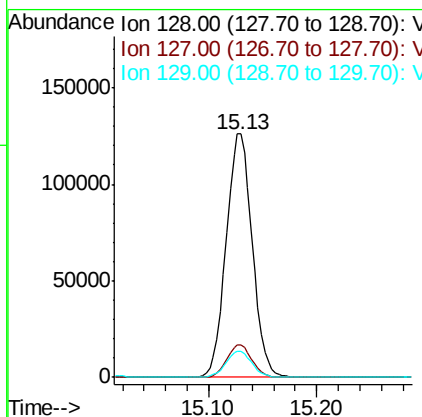
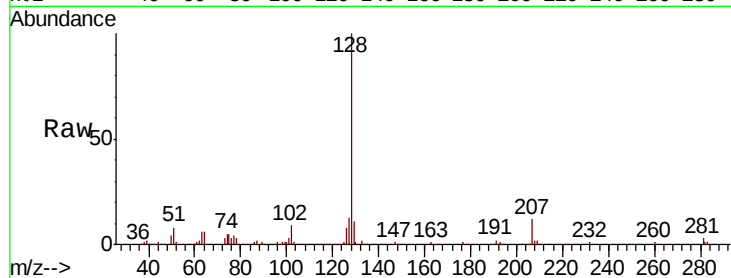
ClientSampleId :

VN1112WBS01

Tot Ion:	128	Resp:	213222
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.379 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion:	180	Resp:	85931
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.3	141.8
145	31.0	15.8	47.3

