

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059189.D
 Acq On : 12 Nov 2019 14:45
 Operator : JC/SP
 Sample : VN1112MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:40 PM

Quant Time: Nov 13 06:43:35 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	422303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	615071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	279426	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	7.57	113	215197	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.08	98	839570	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	304536	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	81521	19.159 ug/l	99
3) Chloromethane	2.04	50	110836	19.163 ug/l	100
4) Vinyl Chloride	2.17	62	110821	19.763 ug/l	100
5) Bromomethane	2.54	94	64276	19.919 ug/l	97
6) Chloroethane	2.68	64	65562	19.765 ug/l	100
7) Trichlorofluoromethane	3.00	101	136731	20.386 ug/l	100
8) Diethyl Ether	3.39	74	54616	20.040 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83141	20.559 ug/l	99
10) Methyl Iodide	3.93	142	99150	19.807 ug/l	99
11) Tert butyl alcohol	4.75	59	108192	109.359 ug/l	98
12) 1,1-Dichloroethene	3.72	96	78131	19.833 ug/l	99
13) Acrolein	3.58	56	38488	75.455 ug/l	99
14) Allyl chloride	4.30	41	159658	19.730 ug/l	99
15) Acrylonitrile	4.96	53	246361	100.061 ug/l	98
16) Acetone	3.79	43	243357	90.148 ug/l	100
17) Carbon Disulfide	4.03	76	218772	17.890 ug/l	100
18) Methyl Acetate	4.30	43	141622	22.102 ug/l	97
19) Methyl tert-butyl Ether	5.01	73	282212	20.808 ug/l	99
20) Methylene Chloride	4.53	84	97912	20.819 ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	83872	19.835 ug/l	98
22) Diisopropyl ether	5.92	45	318837	20.860 ug/l	94
23) Vinyl Acetate	5.87	43	1310431	110.622 ug/l	98
24) 1,1-Dichloroethane	5.82	63	176047	20.622 ug/l	99
25) 2-Butanone	6.81	43	366544	103.025 ug/l	100
26) 2,2-Dichloropropane	6.80	77	143868	19.273 ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100091	20.402 ug/l	99
28) Bromochloromethane	7.17	49	53681	20.901 ug/l	100
29) Tetrahydrofuran	7.19	42	247401	109.439 ug/l	98
30) Chloroform	7.35	83	172282	21.037 ug/l	99
31) Cyclohexane	7.63	56	157501	19.488 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	143595	20.856 ug/l	99
36) 1,1-Dichloropropene	7.77	75	124689	19.938 ug/l	100
37) Ethyl Acetate	6.90	43	148482	21.343 ug/l	99
38) Carbon Tetrachloride	7.75	117	124967	20.077 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139589	19.233	ug/l	99
40) Benzene	8.02	78	380385	20.199	ug/l	100
41) Methacrylonitrile	7.15	41	57858m	19.125	ug/l	
42) 1,2-Dichloroethane	8.10	62	132310	20.485	ug/l	100
43) Isopropyl Acetate	8.14	43	227551	20.516	ug/l	100
44) Trichloroethene	8.82	130	91305	19.724	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105565	20.638	ug/l	98
46) Dibromomethane	9.19	93	63233	19.838	ug/l	97
47) Bromodichloromethane	9.39	83	129811	20.395	ug/l	99
48) Methyl methacrylate	9.18	41	99572	20.071	ug/l	99
49) 1,4-Dioxane	9.18	88	36955	419.152	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	735037	117.124	ug/l	98
52) Toluene	10.15	92	231109	20.475	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	149173	20.286	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	160991	20.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94313	20.646	ug/l	99
56) Ethyl methacrylate	10.42	69	144727	20.157	ug/l	99
57) 1,3-Dichloropropane	10.70	76	163157	20.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	282431	111.094	ug/l	100
59) 2-Hexanone	10.74	43	543182	112.766	ug/l	100
60) Dibromochloromethane	10.90	129	100471	20.802	ug/l	100
61) 1,2-Dibromoethane	11.00	107	95585	20.670	ug/l	99
64) Tetrachloroethene	10.62	164	83564	19.980	ug/l	97
65) Chlorobenzene	11.43	112	244405	20.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91734	20.395	ug/l	97
67) Ethyl Benzene	11.51	91	450671	21.185	ug/l	100
68) m/p-Xylenes	11.62	106	331529	41.604	ug/l	98
69) o-Xylene	11.94	106	163403	21.219	ug/l	97
70) Styrene	11.96	104	257789	21.285	ug/l	99
71) Bromoform	12.13	173	72113	20.612	ug/l #	98
73) Isopropylbenzene	12.25	105	430018	20.806	ug/l	100
74) N-amyl acetate	12.07	43	185111	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148623	21.116	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	130462m	20.168	ug/l	
77) Bromobenzene	12.53	156	109872	21.159	ug/l	95
78) n-propylbenzene	12.59	91	500457	21.147	ug/l	99
79) 2-Chlorotoluene	12.67	91	300965	20.501	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	363099	20.733	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49374	20.160	ug/l	98
82) 4-Chlorotoluene	12.77	91	301749	20.493	ug/l	99
83) tert-Butylbenzene	12.99	119	308812	20.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	362882	21.416	ug/l	98
85) sec-Butylbenzene	13.17	105	410552	20.872	ug/l	99
86) p-Isopropyltoluene	13.29	119	371994	21.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	177812	19.997	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179153	20.137	ug/l	98
89) n-Butylbenzene	13.62	91	319136	20.995	ug/l	100
90) Hexachloroethane	13.88	117	69989	20.069	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	183206	20.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29427	20.971	ug/l #	59

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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	104324	21.506	ug/l	98
94) Hexachlorobutadiene	15.01	225	59857	19.846	ug/l	97
95) Naphthalene	15.13	128	525533	36.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105868	21.596	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion:168 Resp: 422303

Ion Ratio Lower Upper

168 100

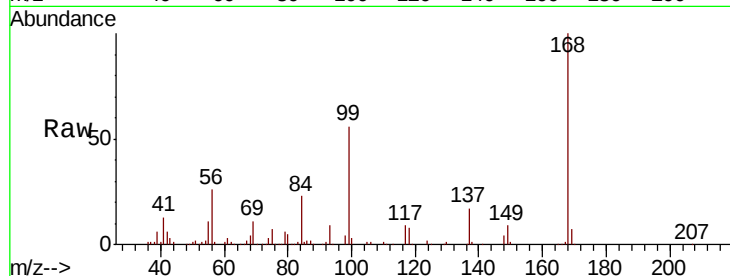
99 55.7 45.7 68.5

Manual Integrations

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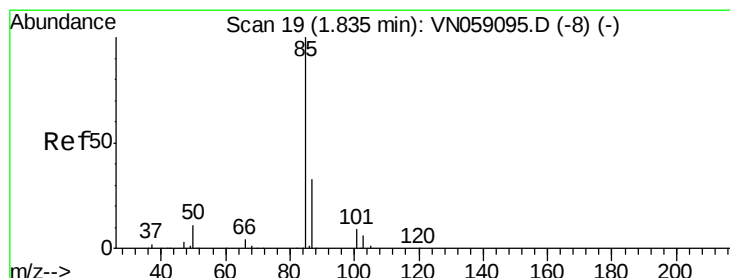
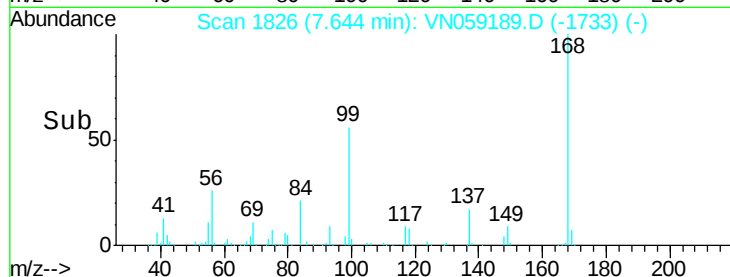
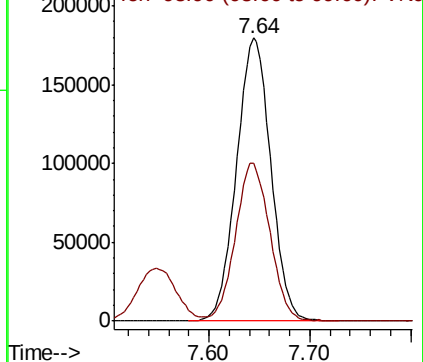
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11/13/2019 12:07:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.159 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059189.D

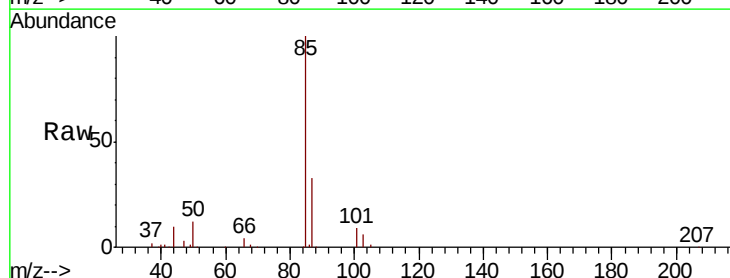
Acq: 12 Nov 2019 14:45

Tgt Ion: 85 Resp: 81521

Ion Ratio Lower Upper

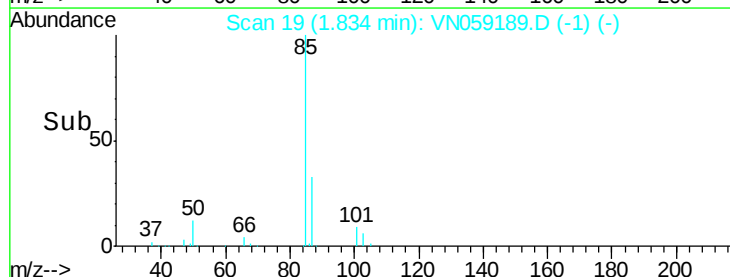
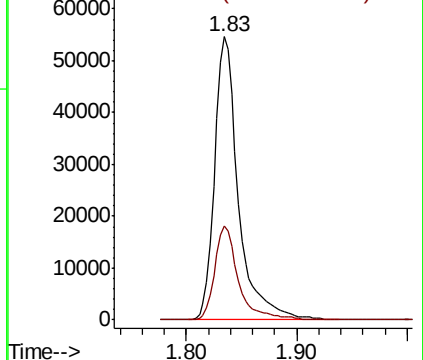
85 100

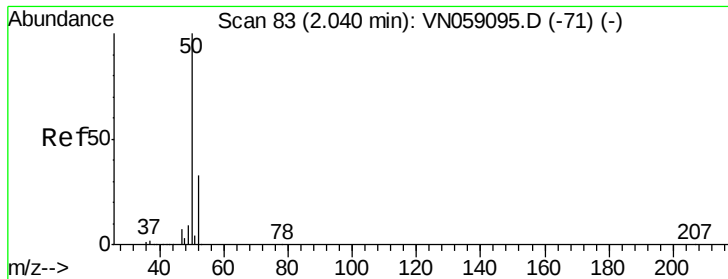
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.163 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 50 Resp: 110836

Ion Ratio Lower Upper

50 100

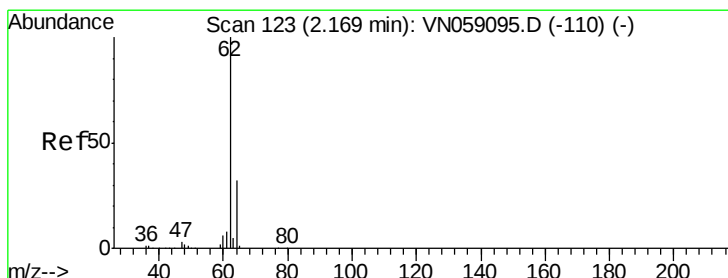
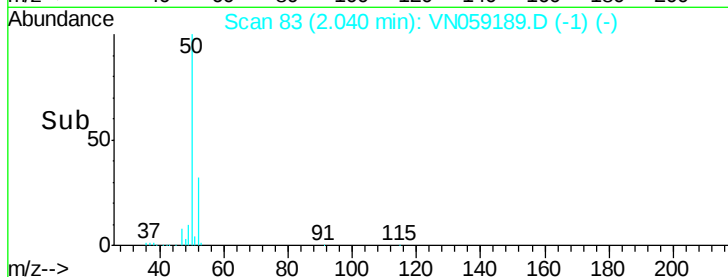
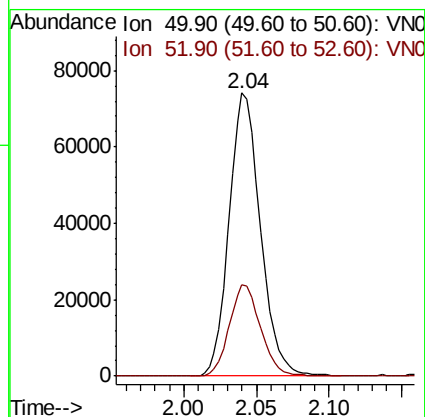
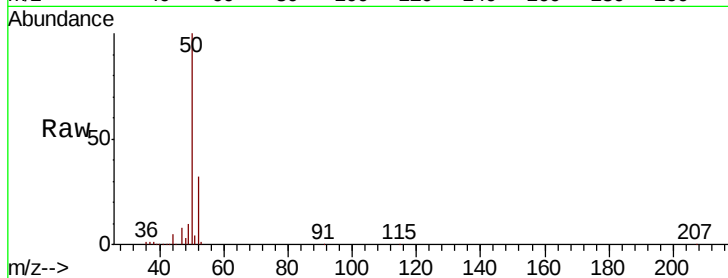
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.763 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059189.D

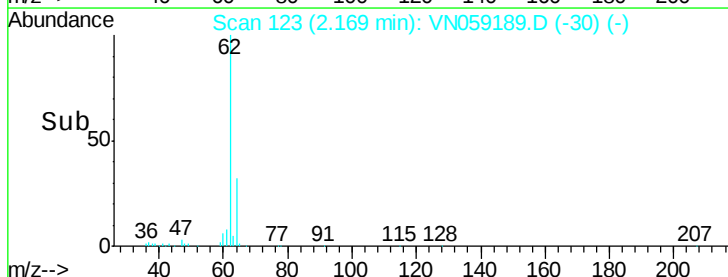
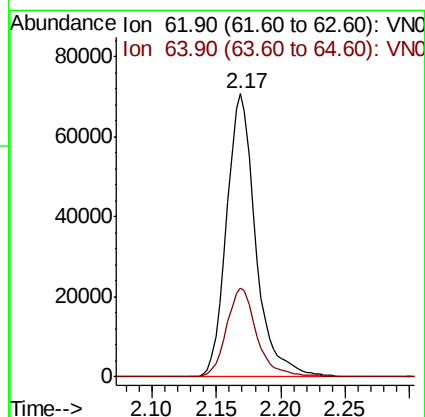
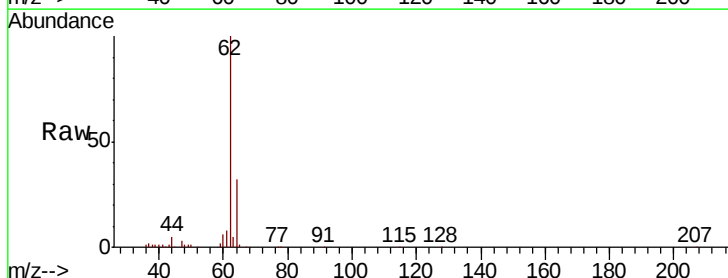
Acq: 12 Nov 2019 14:45

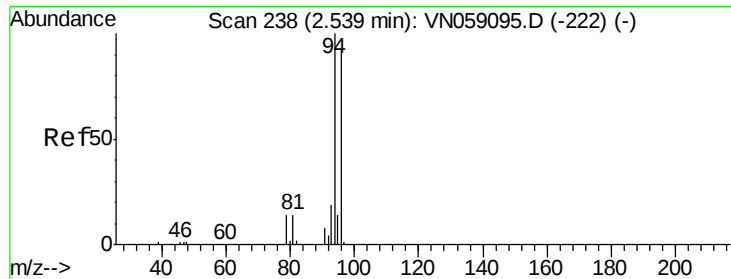
Tgt Ion: 62 Resp: 110821

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 19.919 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 94 Resp: 64276

Ion Ratio Lower Upper

94 100

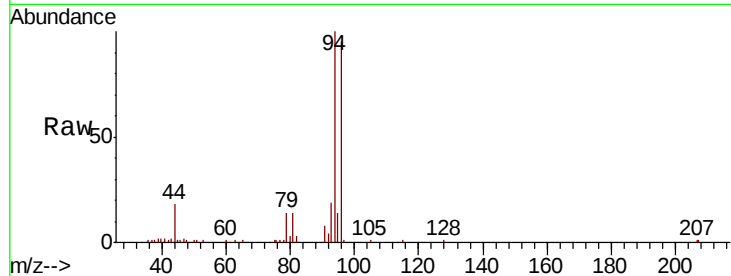
96 95.1 74.2 111.2

Manual Integrations

APPROVED

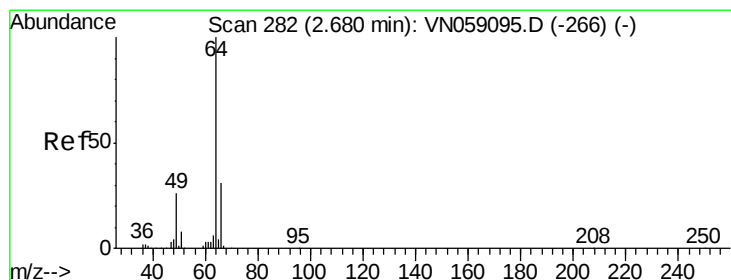
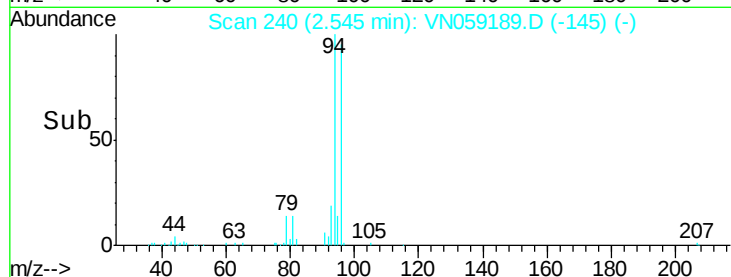
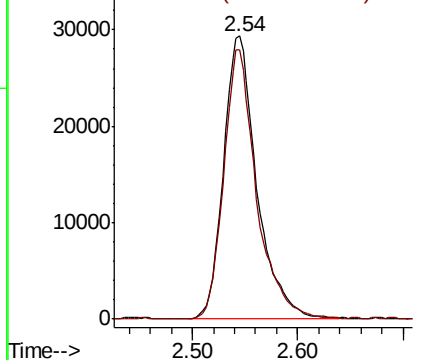
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.765 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059189.D

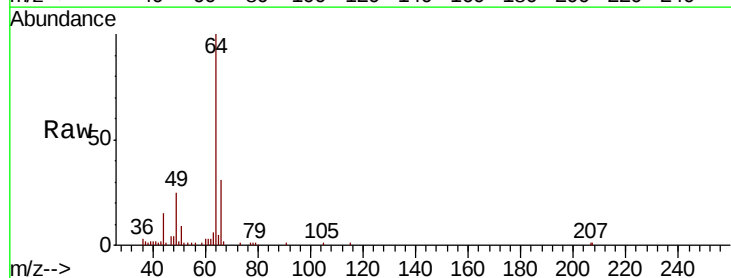
Acq: 12 Nov 2019 14:45

Tgt Ion: 64 Resp: 65562

Ion Ratio Lower Upper

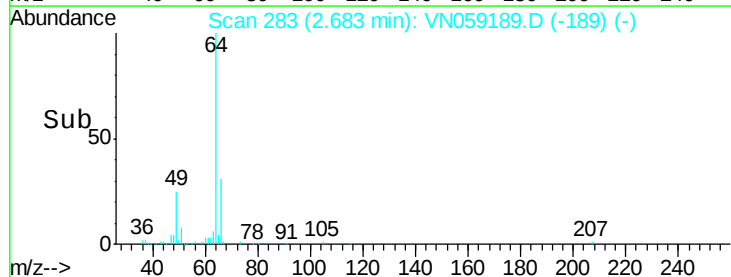
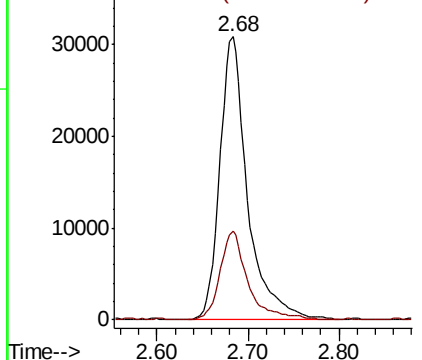
64 100

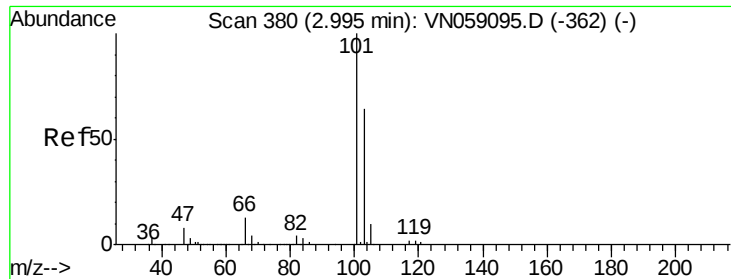
66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

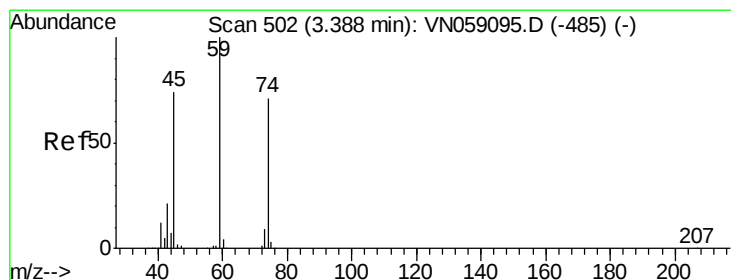
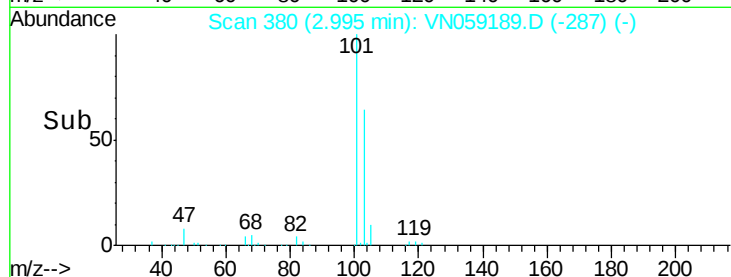
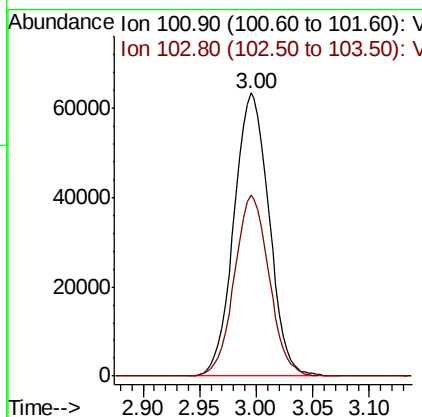
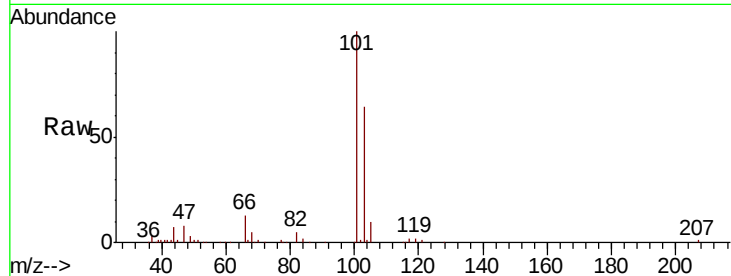
Trichlorofluoromethane
Concen: 20.386 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

Manual Integrations
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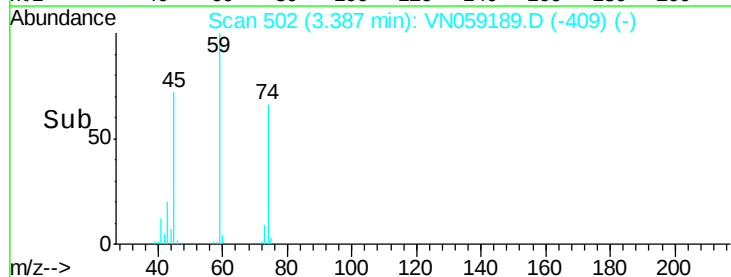
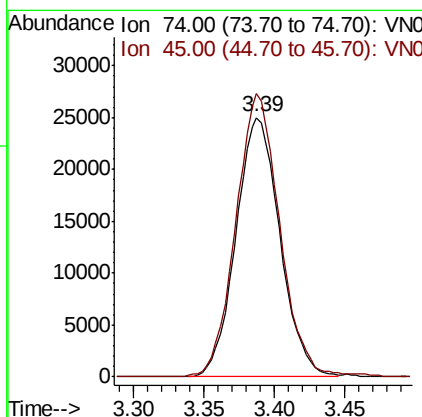
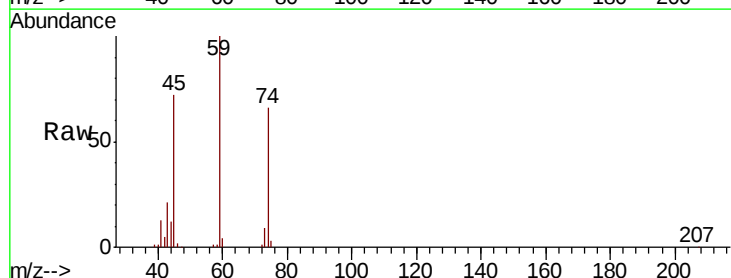
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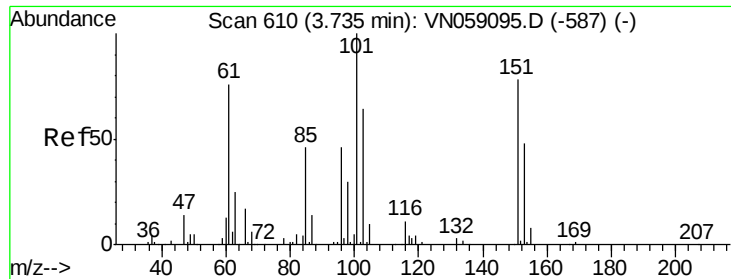


#8

Diethyl Ether
Concen: 20.040 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.3	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.559 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

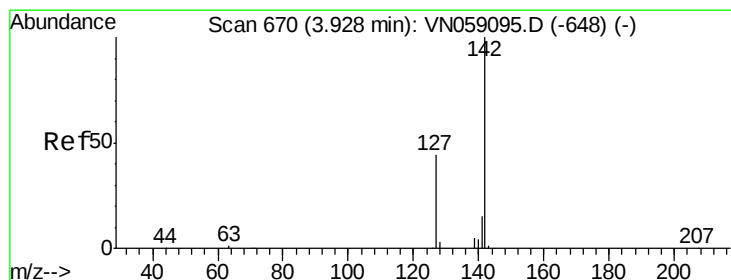
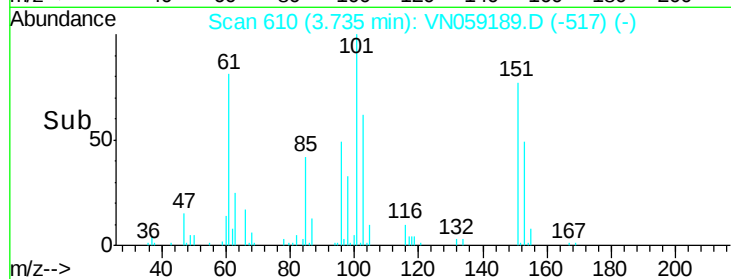
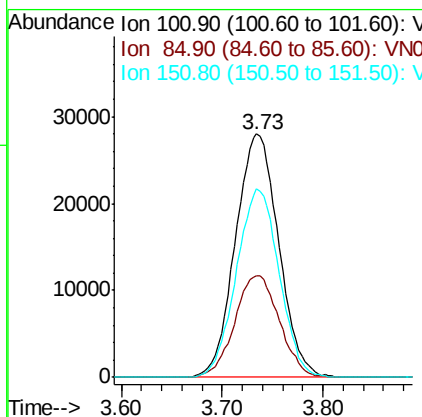
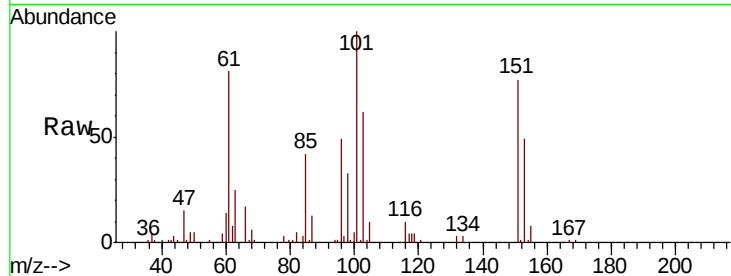
ClientSampleId :

VN1112MBSD01

Tot Ion:	101	Resp:	83141
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	76.8	62.2	93.2

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#10

Methyl Iodide

Concen: 19.807 ug/l

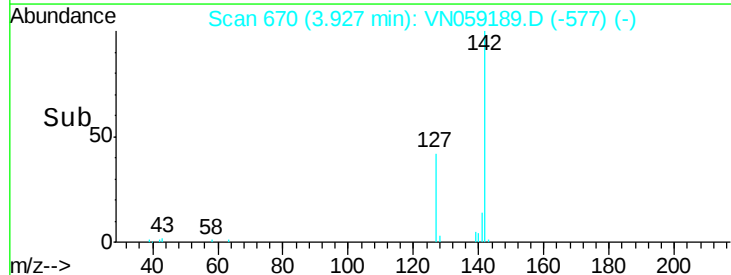
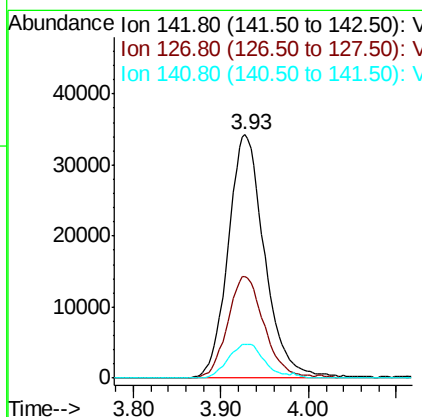
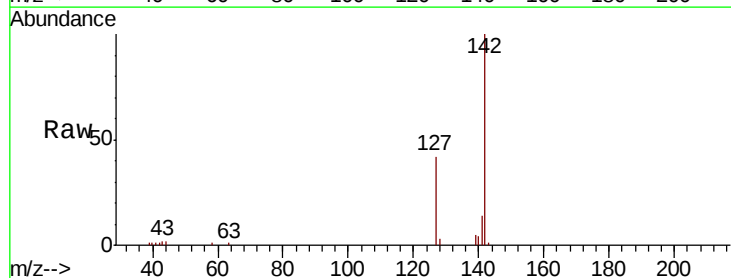
RT: 3.93 min Scan# 670

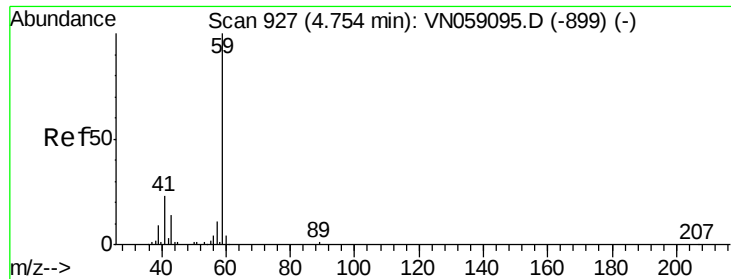
Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	142	Resp:	99150
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.2	51.2
141	13.7	11.4	17.0





#11

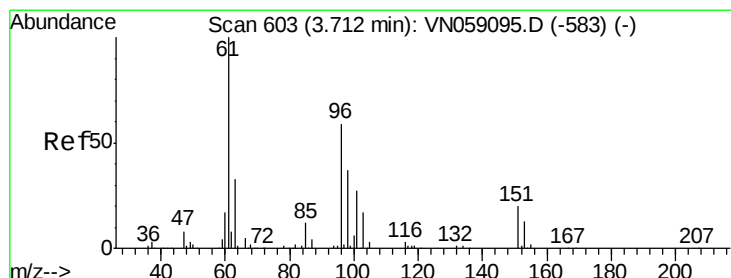
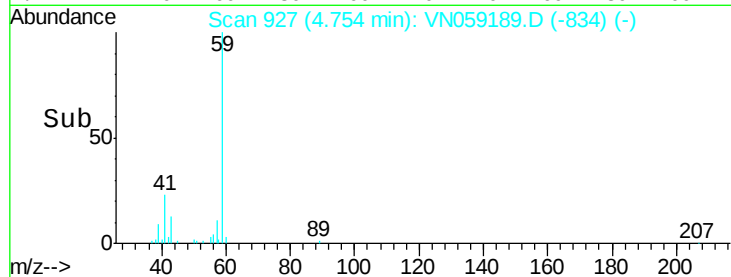
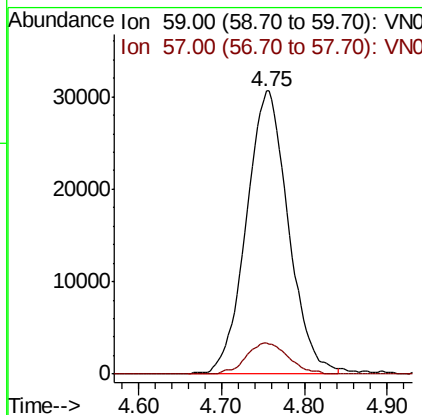
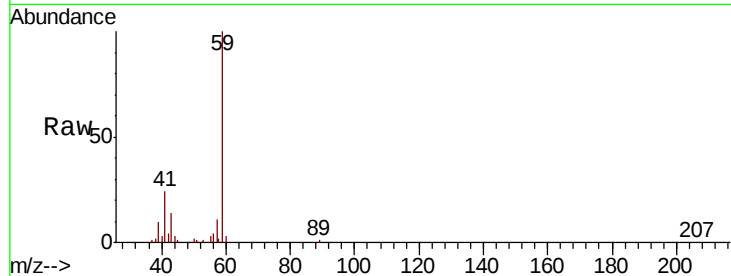
Tert butyl alcohol
Concen: 109.359 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

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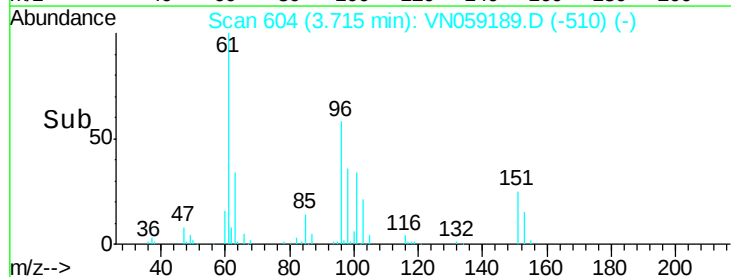
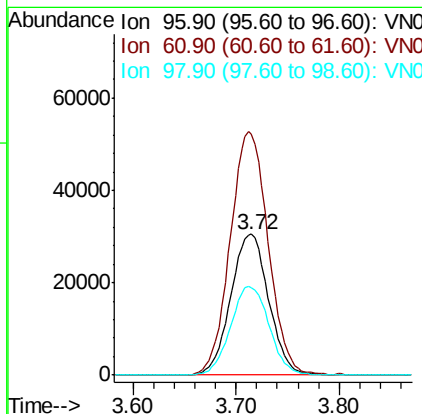
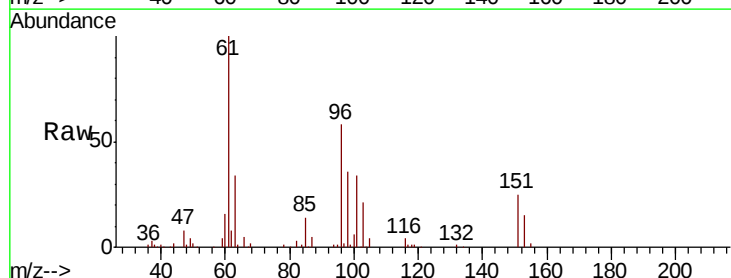
MMDadoda
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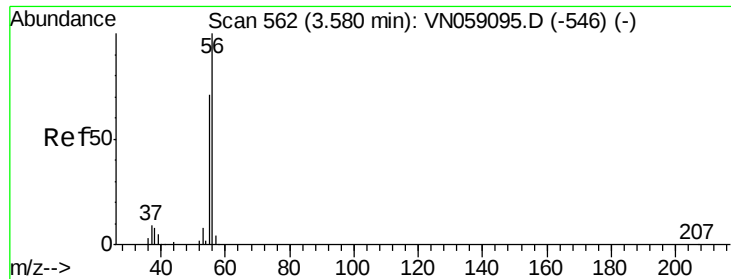


#12

1,1-Dichloroethene
Concen: 19.833 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	136.5	204.7
98	62.0	50.2	75.4





#13

Acrolein

Concen: 75.455 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampled :

VN1112MBSD01

Tot Ion: 56 Resp: 38488

Ion Ratio Lower Upper

56 100

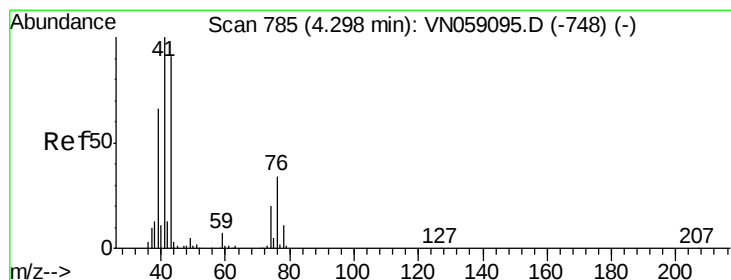
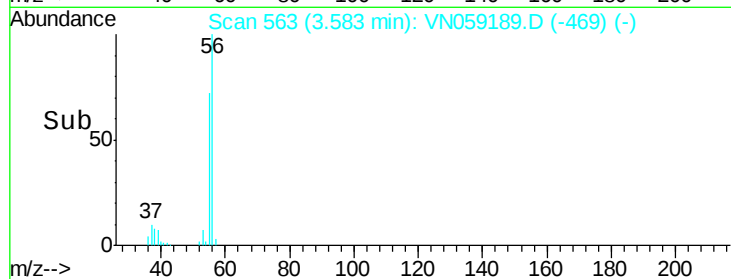
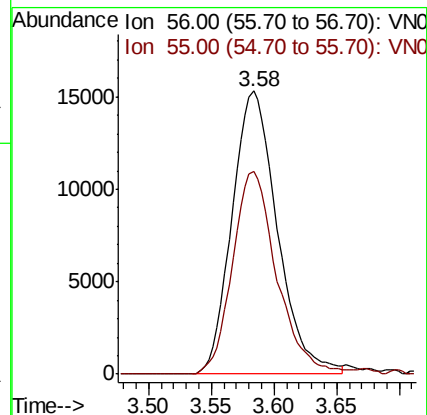
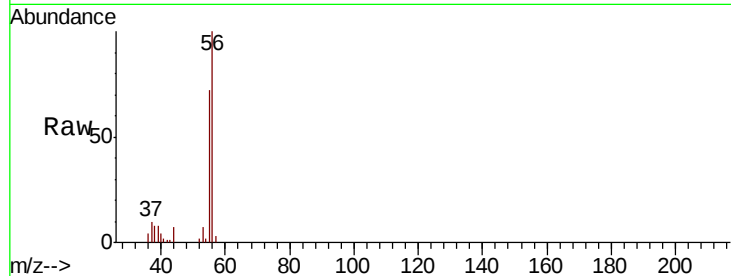
55 69.9 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.730 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

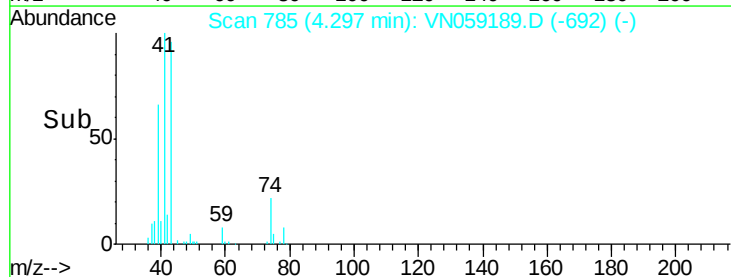
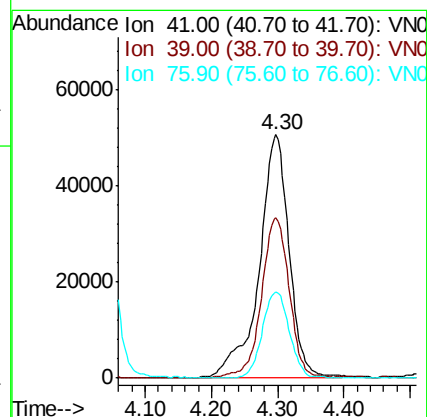
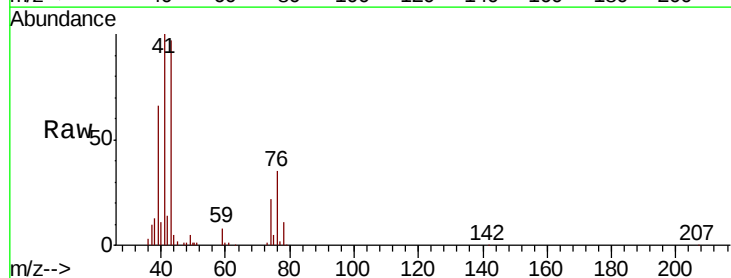
Tgt Ion: 41 Resp: 159658

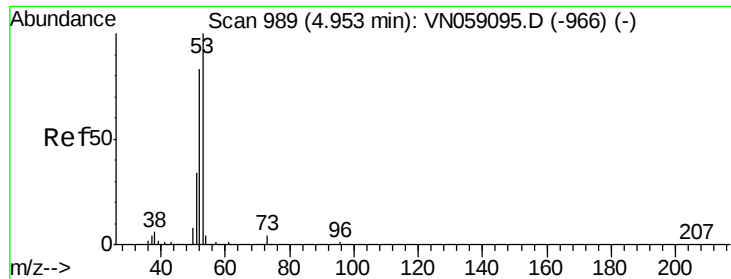
Ion Ratio Lower Upper

41 100

39 61.2 49.1 73.7

76 31.9 24.9 37.3





#15

Acrylonitrile

Concen: 100.061 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

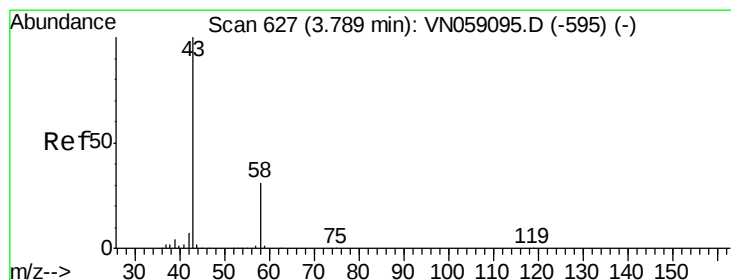
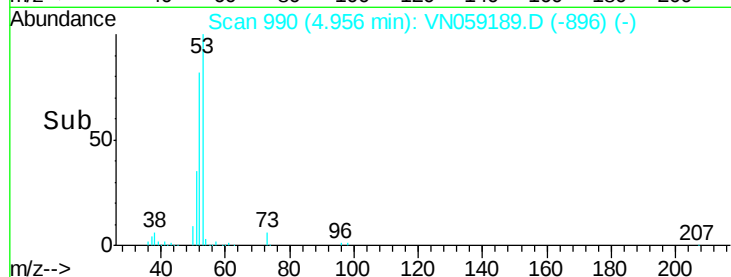
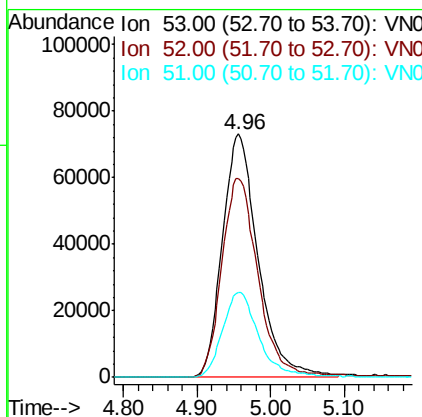
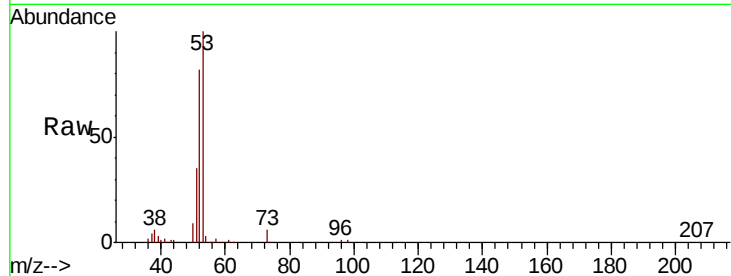
ClientSampleId :

VN1112MBSD01

Tot Ion:	53	Resp:	246361
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 90.148 ug/l

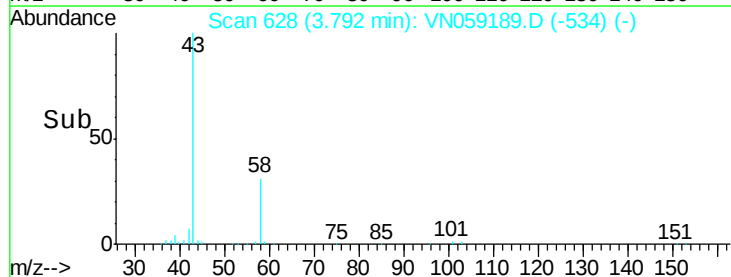
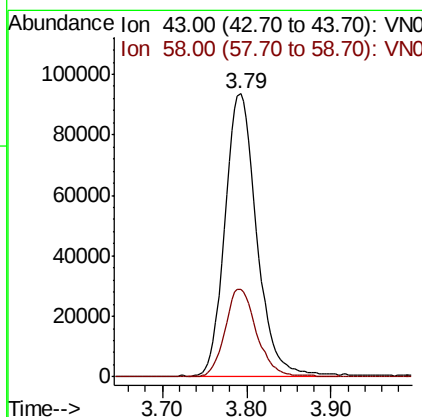
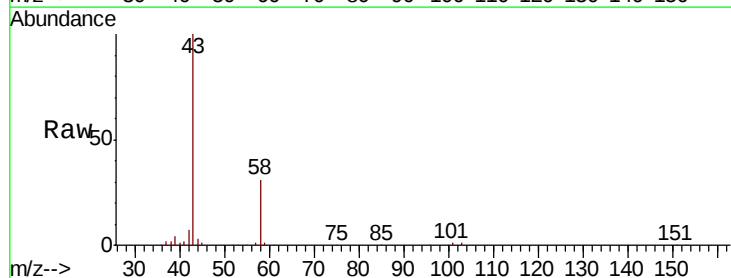
RT: 3.79 min Scan# 628

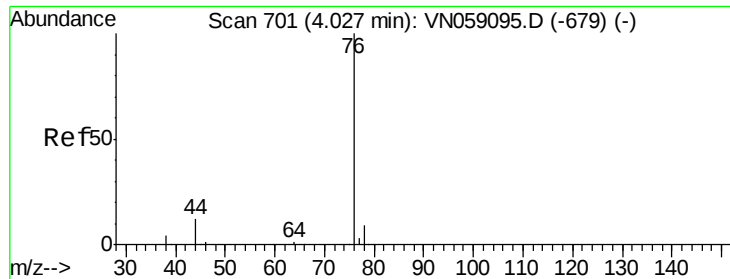
Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	43	Resp:	243357
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.9	37.3





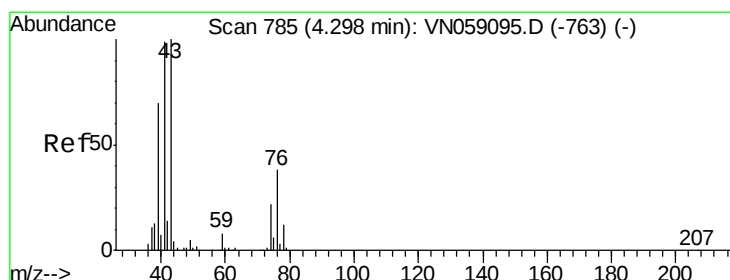
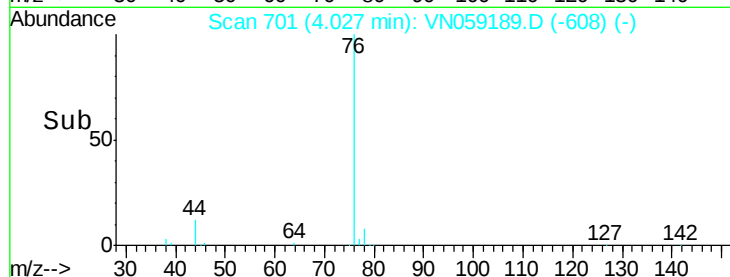
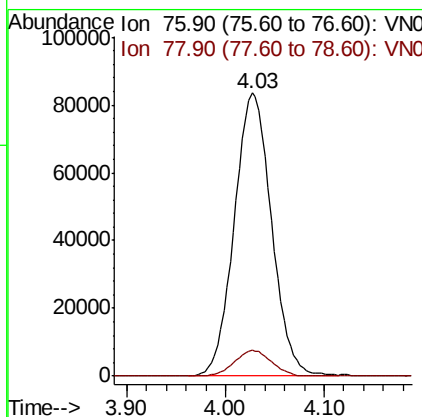
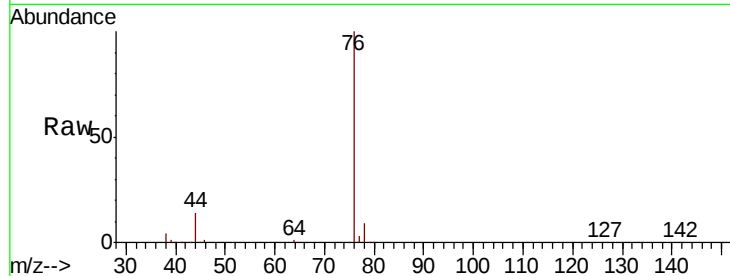
#17
Carbon Disulfide
Concen: 17.890 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion: 76 Resp: 218772
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

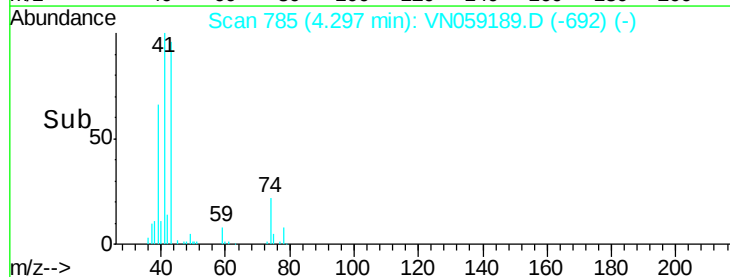
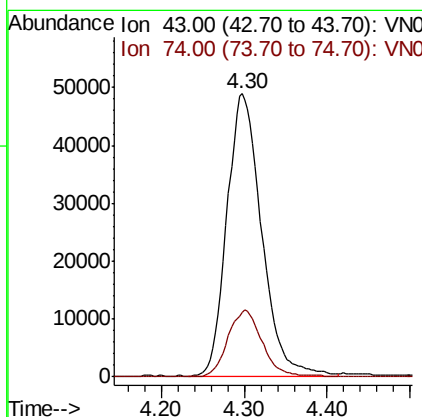
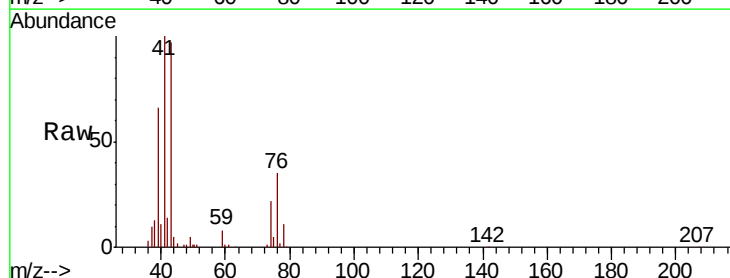
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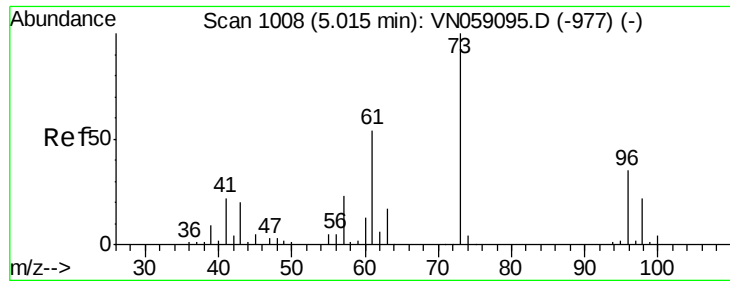
MMDadoda
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#18
Methyl Acetate
Concen: 22.102 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 43 Resp: 141622
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8





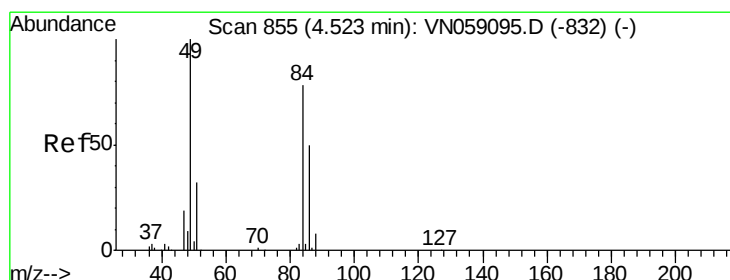
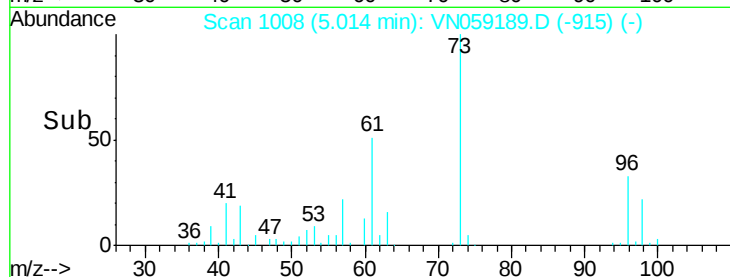
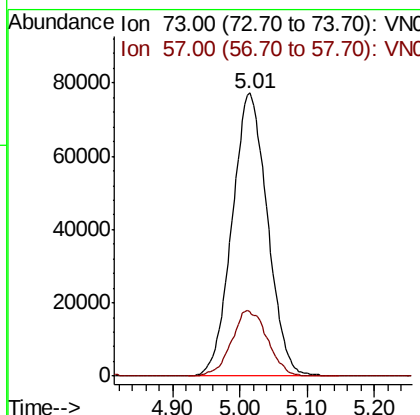
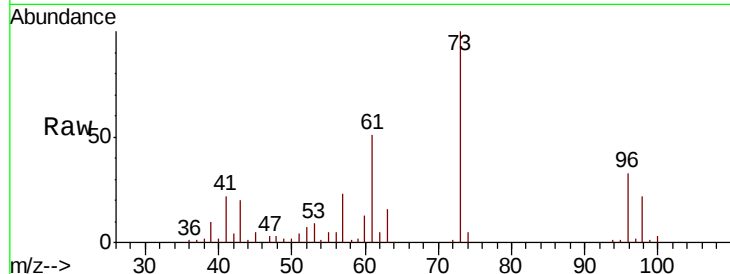
#19
Methvl tert-butvl Ether
Concen: 20.808 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion: 73 Resp: 282212
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

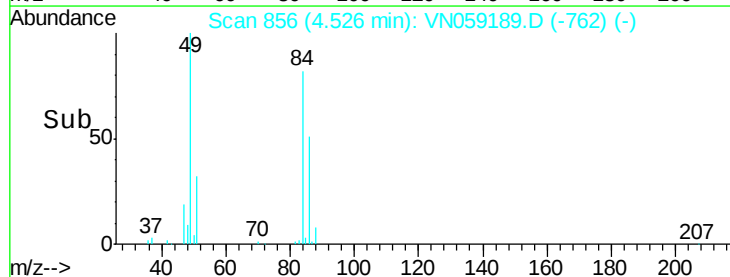
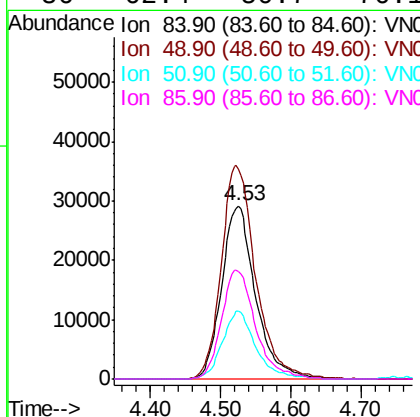
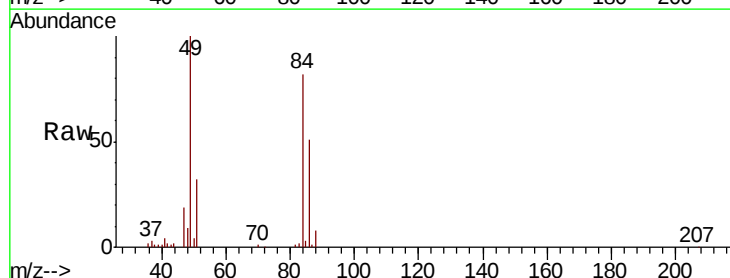
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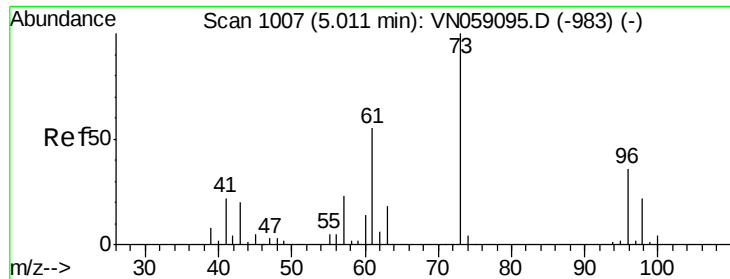
MMDadoda
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#20
Methylene Chloride
Concen: 20.819 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion: 84 Resp: 97912
Ion Ratio Lower Upper
84 100
49 121.7 102.0 153.0
51 39.4 32.2 48.2
86 62.4 50.7 76.1





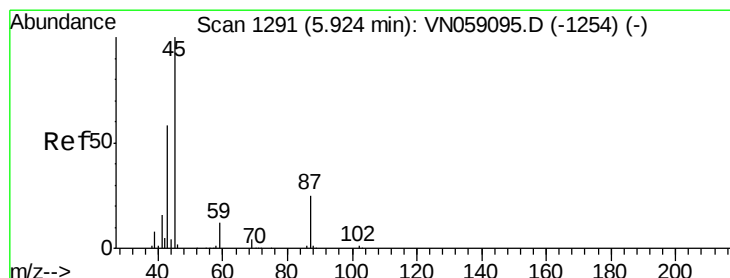
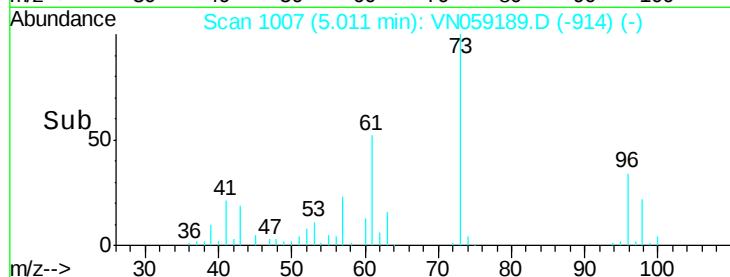
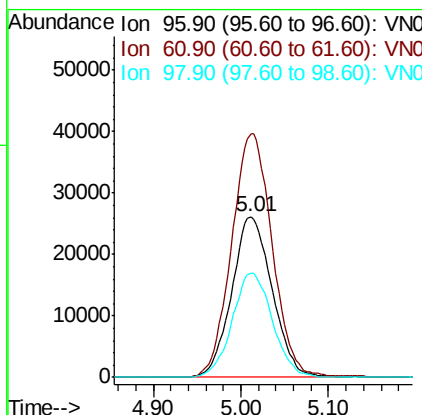
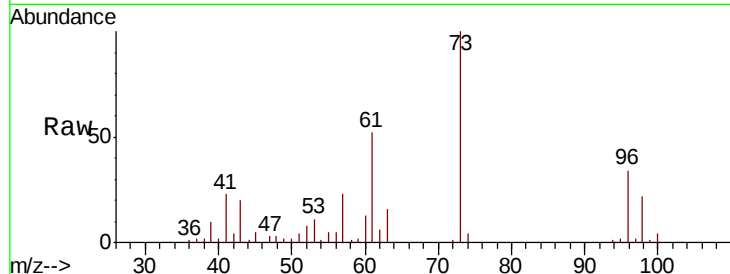
#21
trans-1,2-Dichloroethene
Concen: 19.835 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	122.6	183.8
98	64.9	50.3	75.5

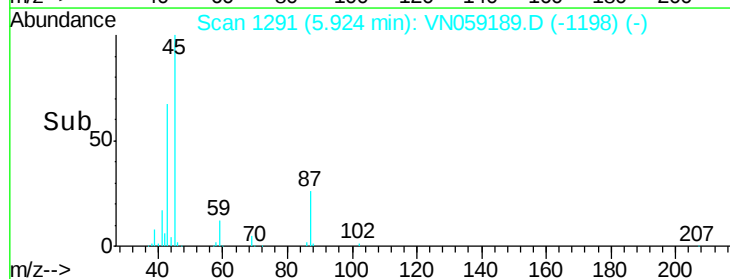
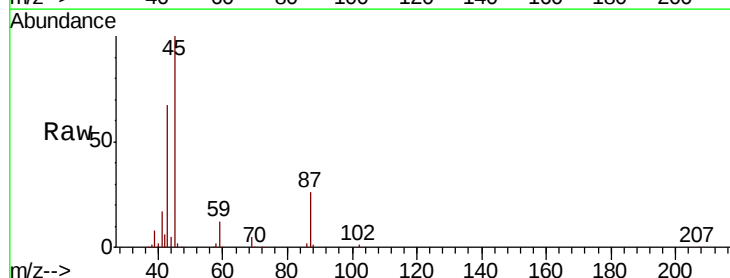
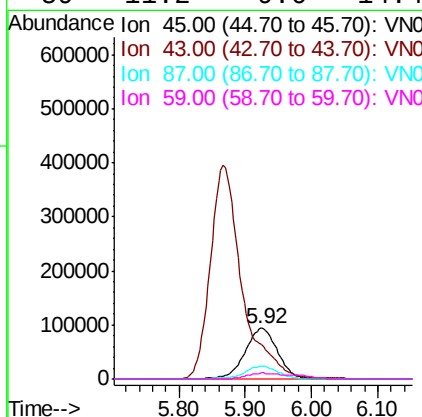
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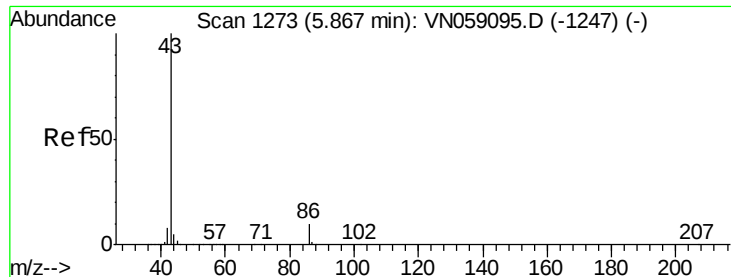
MMDadoda
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#22
Diisopropyl ether
Concen: 20.860 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	46.7	70.1
87	25.9	20.5	30.7
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 110.622 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 43 Resp: 1310431

Ion Ratio Lower Upper

43 100

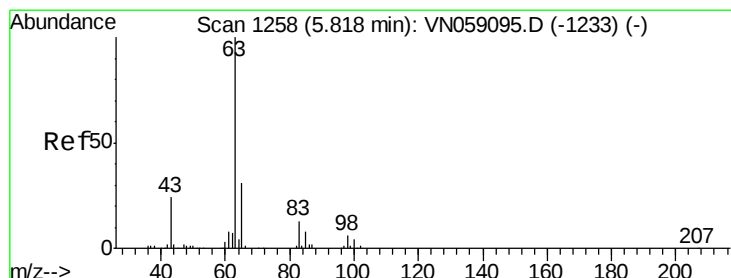
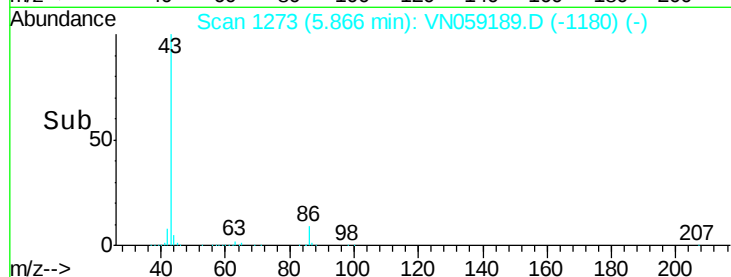
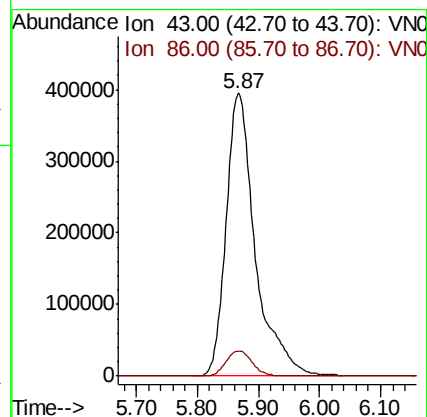
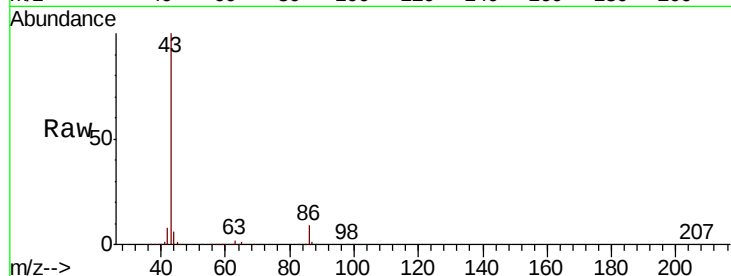
86 8.9 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.622 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

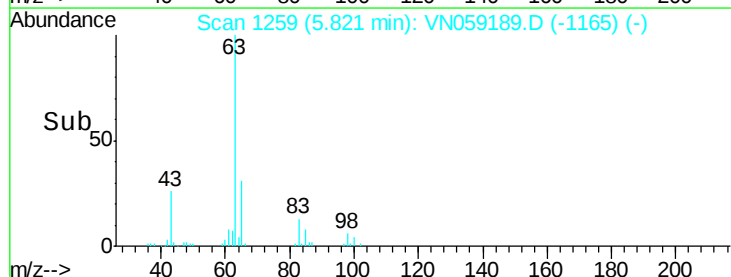
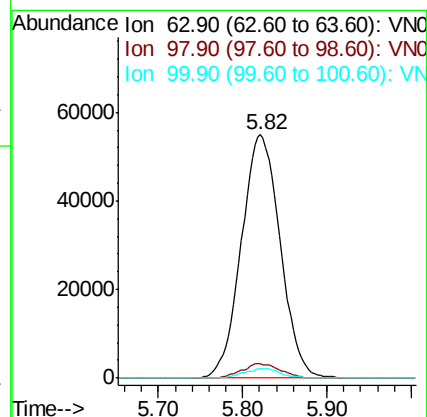
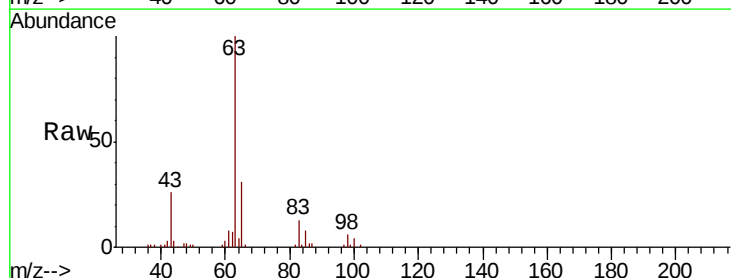
Tgt Ion: 63 Resp: 176047

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 103.025 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 43 Resp: 366544

Ion Ratio Lower Upper

43 100

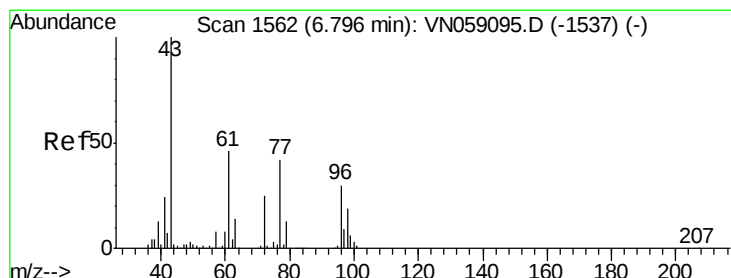
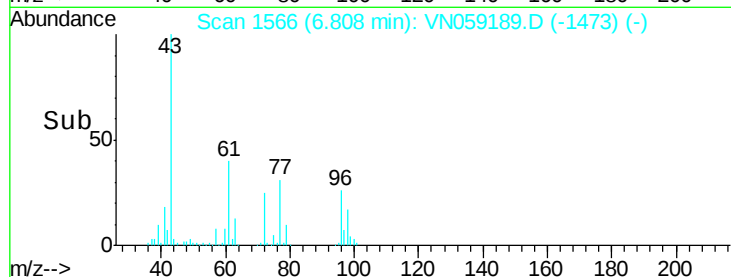
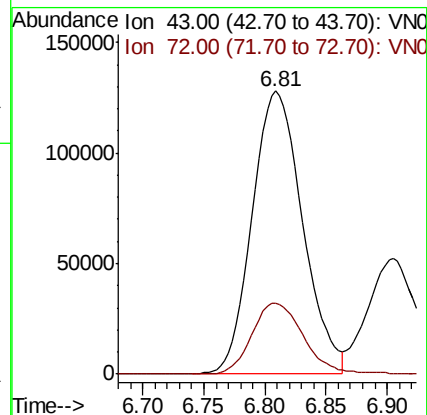
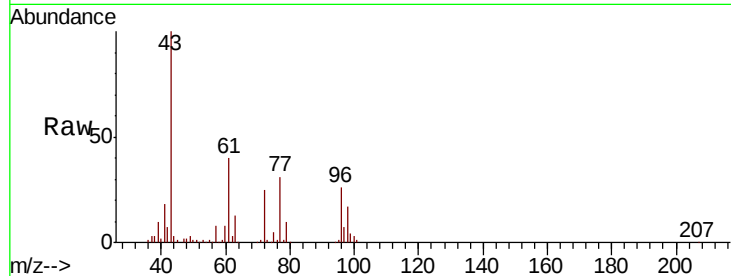
72 25.2 20.3 30.5

Manual Integrations

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MMDadoda

11/13/2019 12:07:40 PM



#26

2,2-Dichloropropane

Concen: 19.273 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059189.D

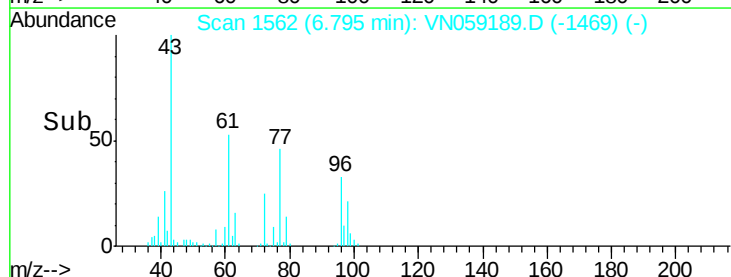
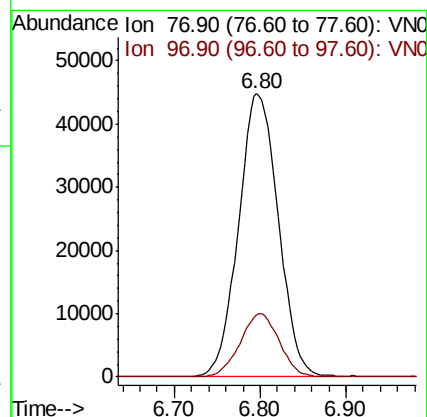
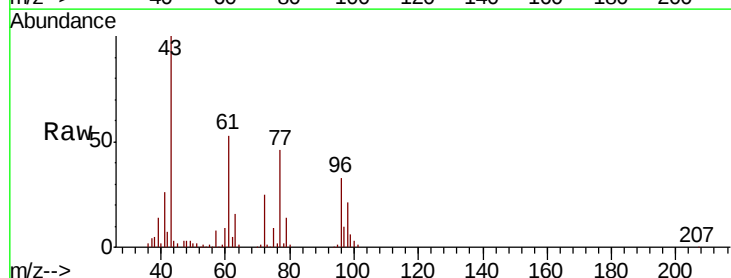
Acq: 12 Nov 2019 14:45

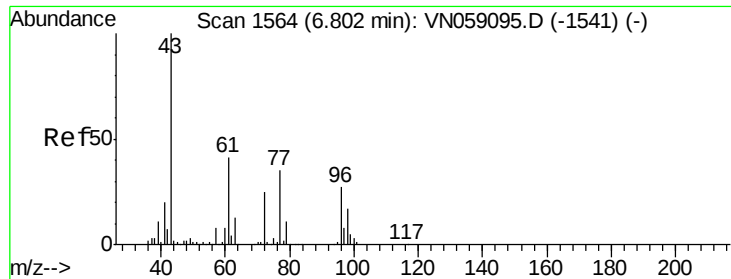
Tgt Ion: 77 Resp: 143868

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





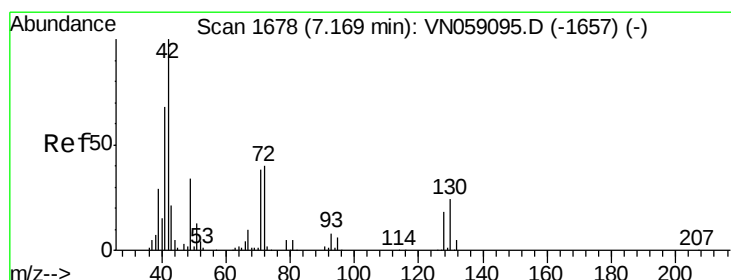
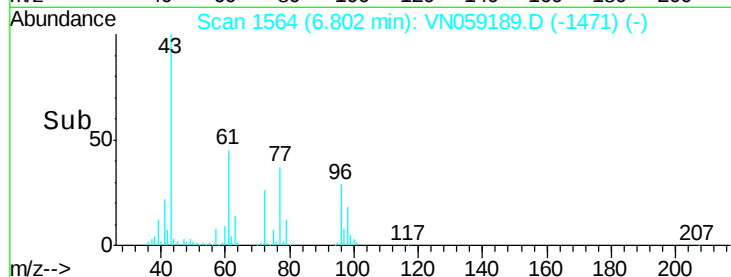
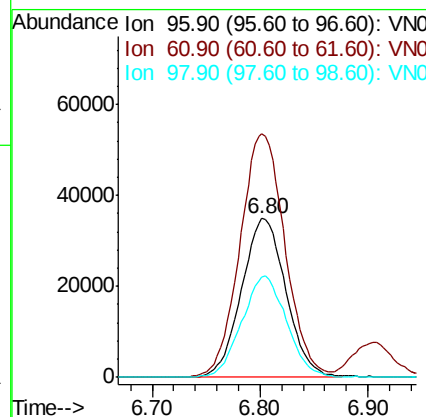
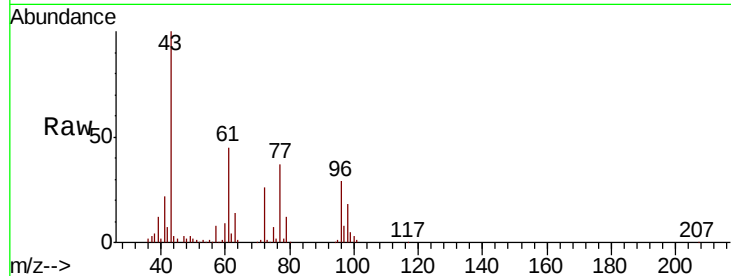
#27
 cis-1,2-Dichloroethene
 Concen: 20.402 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	311.6
98	64.1	0.0	129.8

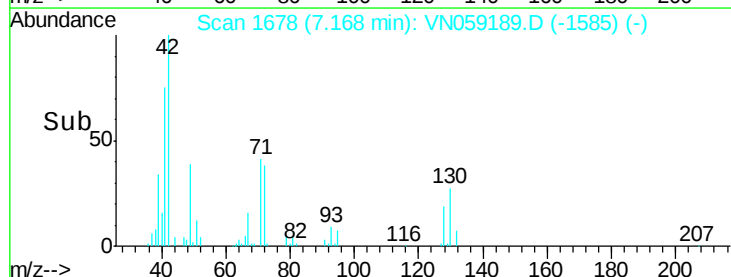
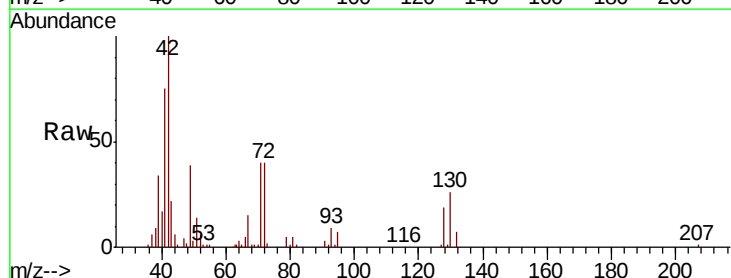
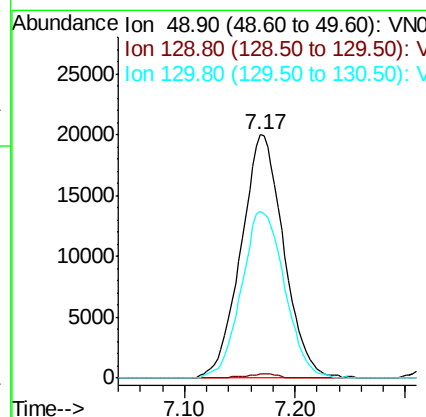
Manual Integrations
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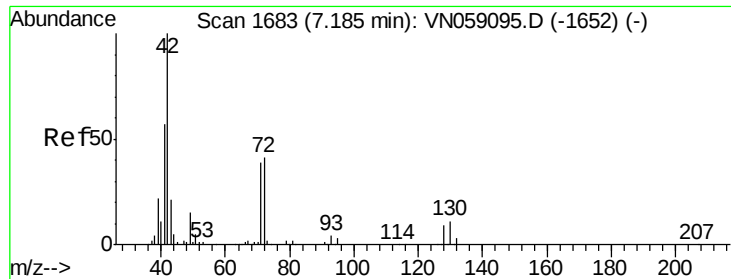
MMDadoda
 11/13/2019 12:07:40 PM



#28
 Bromochloromethane
 Concen: 20.901 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	69.4	55.6	83.4





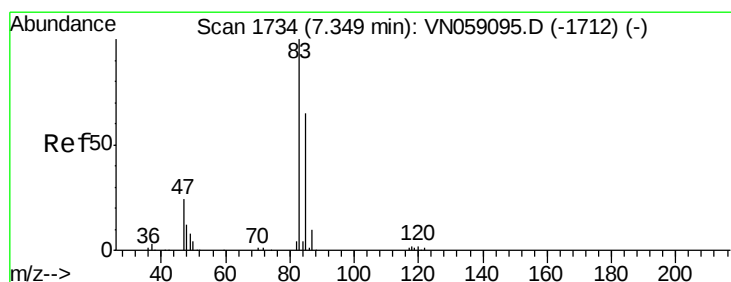
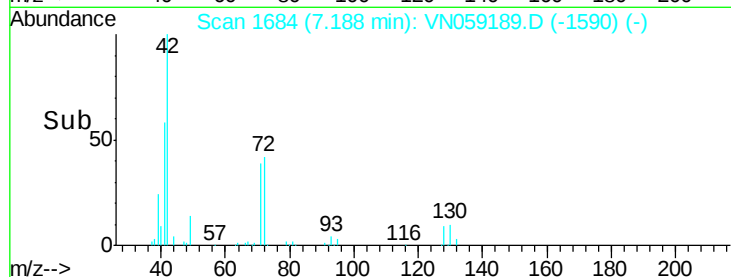
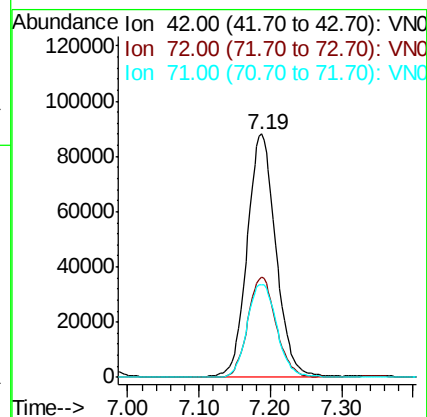
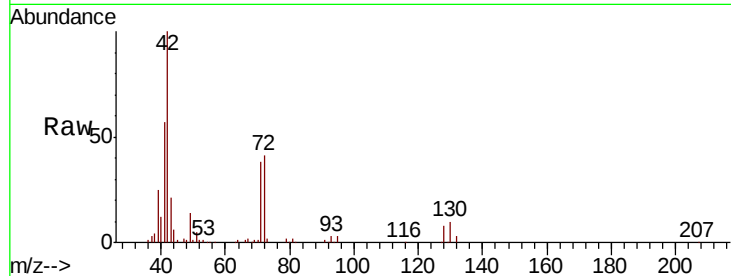
#29
Tetrahydrofuran
Concen: 109.439 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	39.5	30.9	46.3

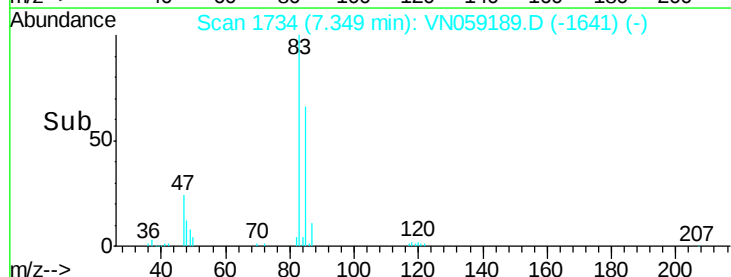
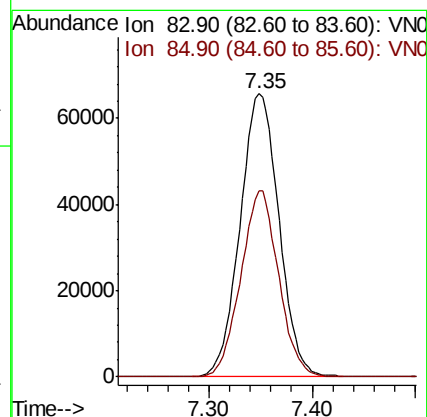
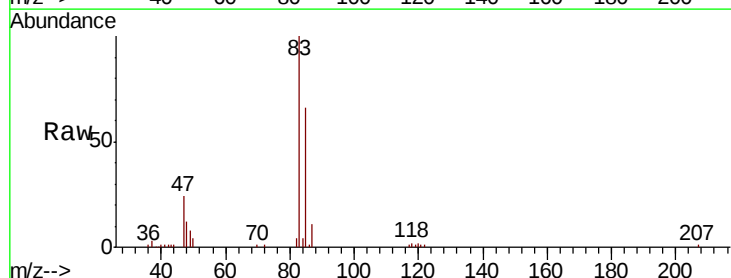
Manual Integrations
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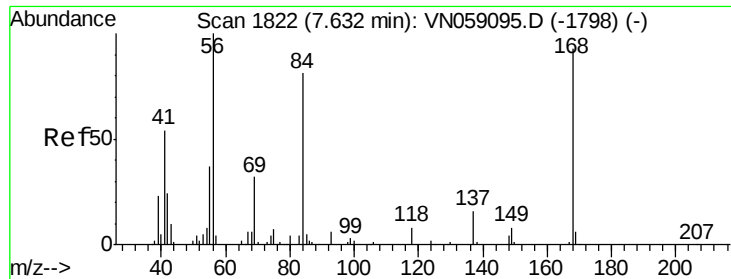
MMDadoda
11/13/2019 12:07:40 PM



#30
Chloroform
Concen: 21.037 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





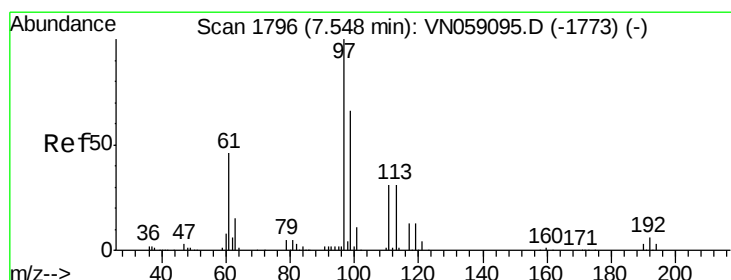
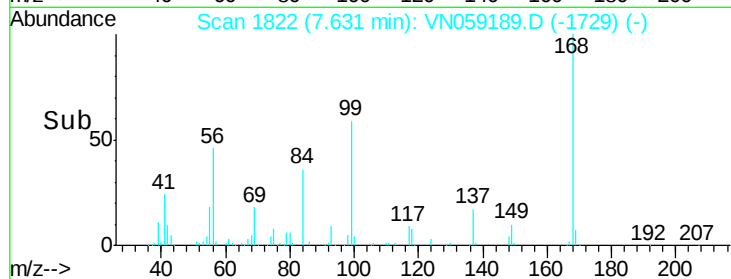
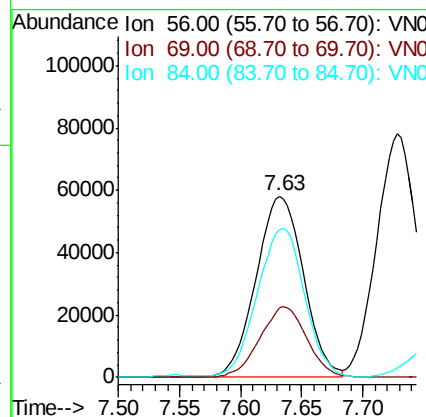
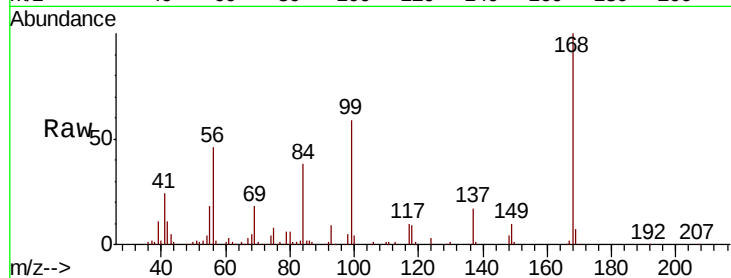
#31
Cyclohexane
Concen: 19.488 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	25.8	38.8
84	80.6	65.0	97.4

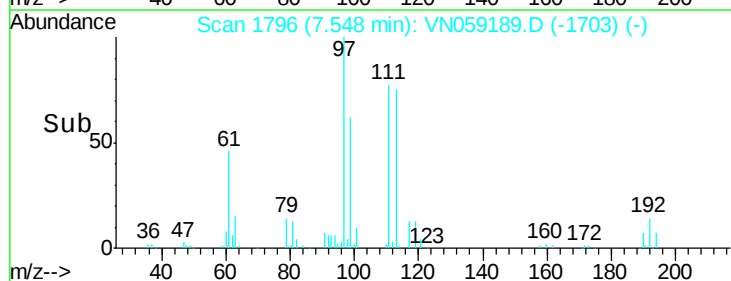
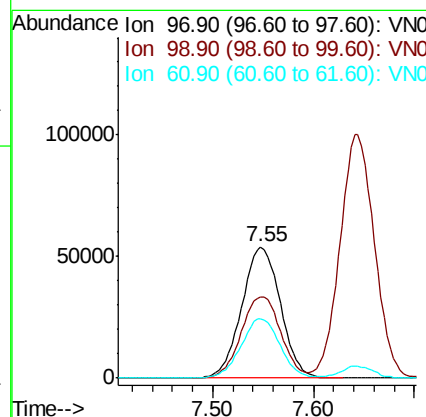
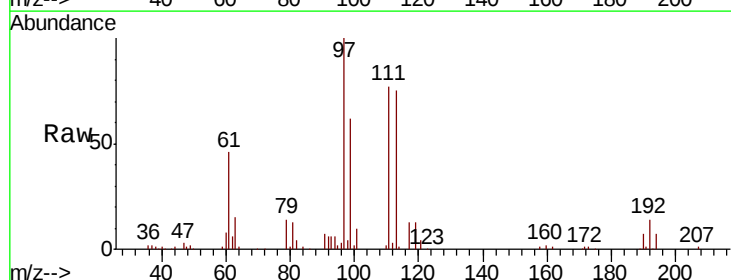
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 20.856 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.827 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 65 Resp: 279426

Ion Ratio Lower Upper

65 100

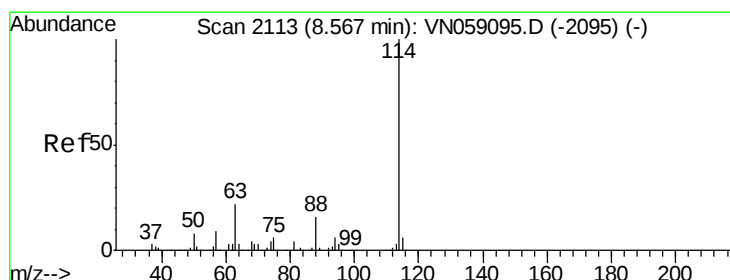
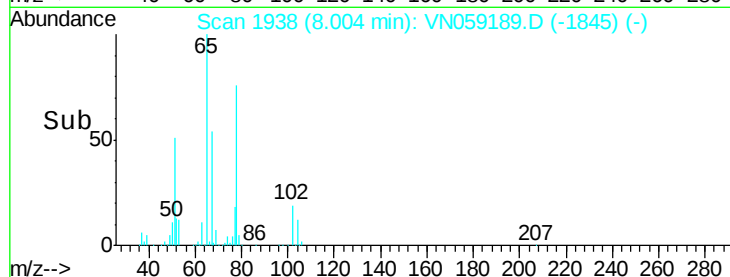
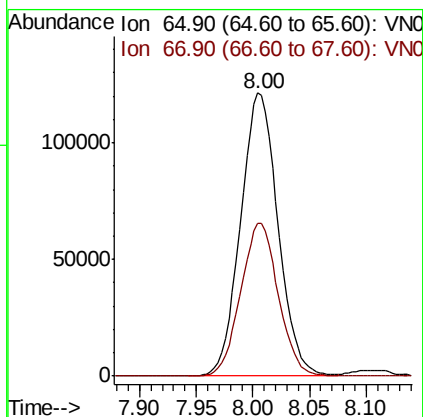
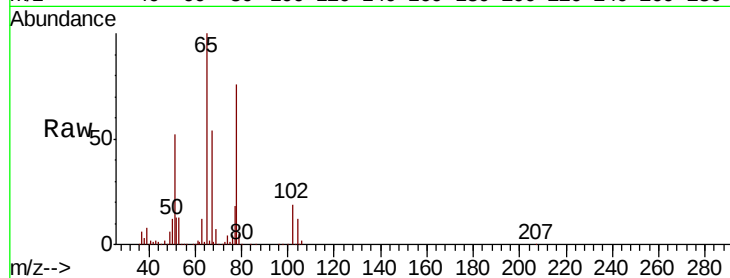
67 54.3 0.0 107.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

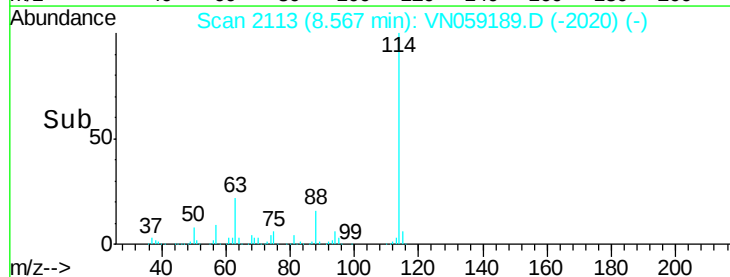
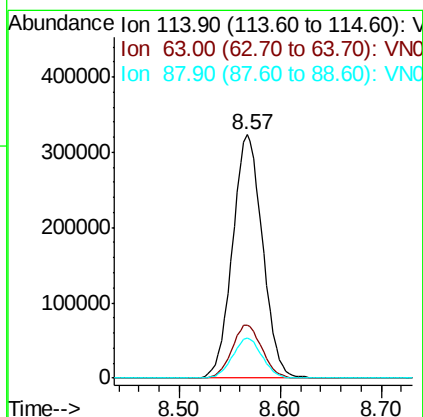
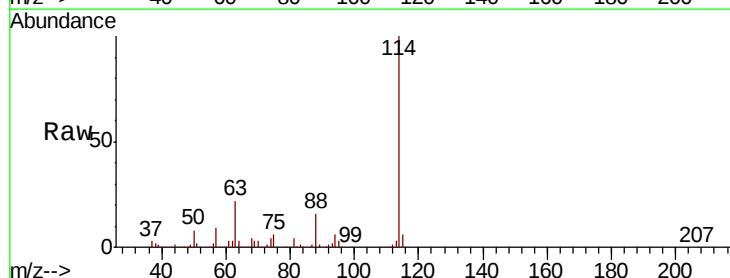
Tgt Ion: 114 Resp: 669053

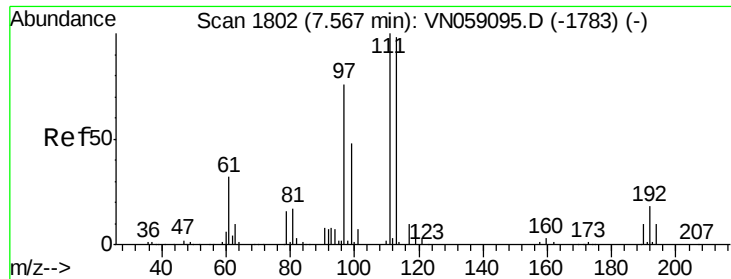
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

88 16.4 0.0 32.2





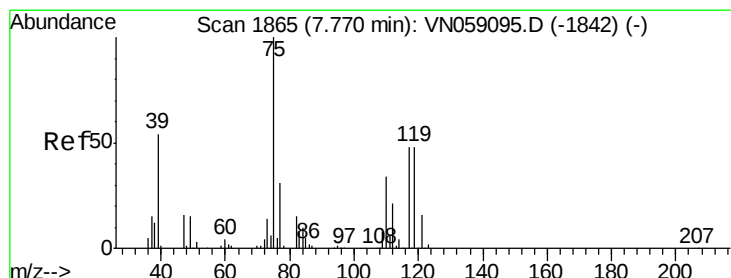
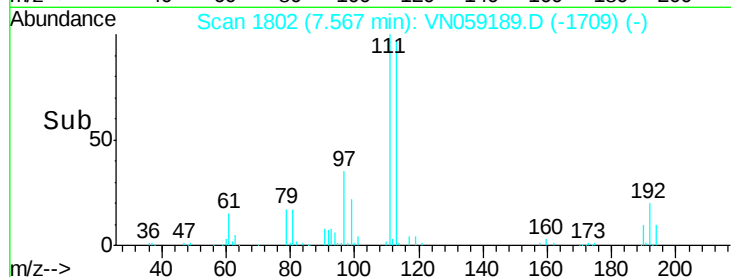
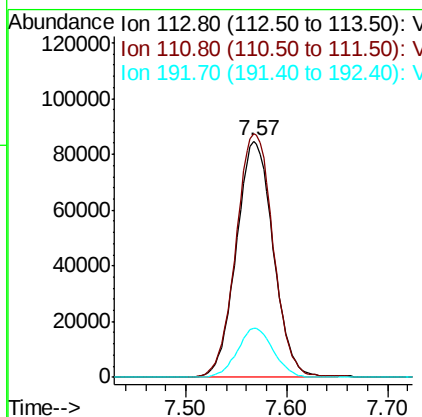
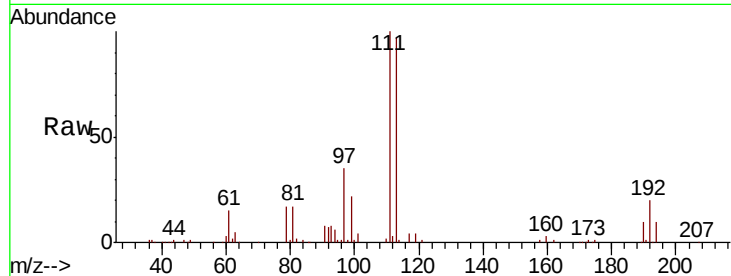
#35
 Dibromofluoromethane
 Concen: 53.868 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	215197		
111	103.8	82.8	124.2	
192	20.3	16.1	24.1	

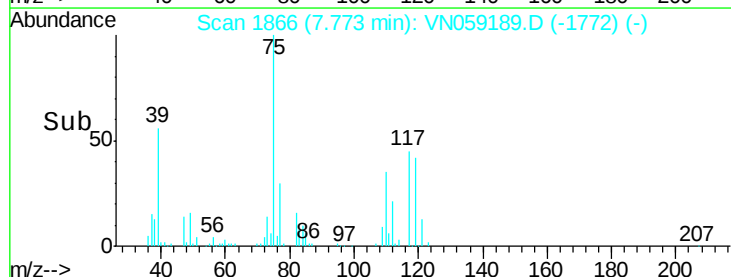
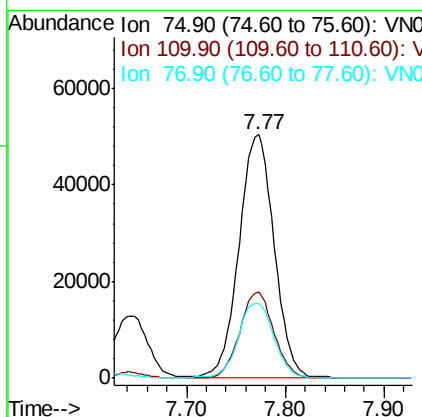
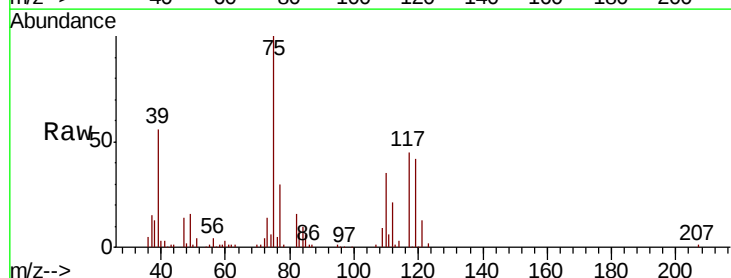
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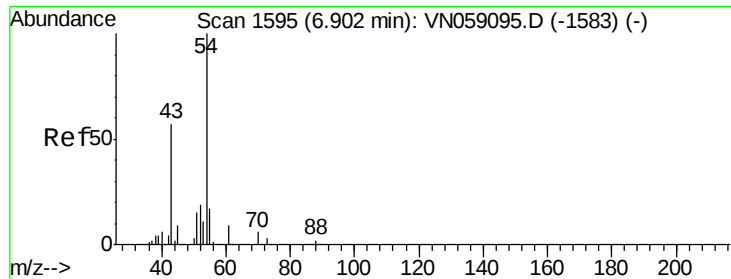
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#36
 1,1-Dichloropropene
 Concen: 19.938 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124689		
110	34.1	17.1	51.2	
77	31.3	24.8	37.2	





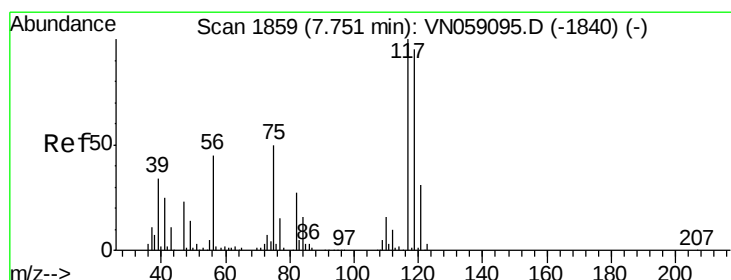
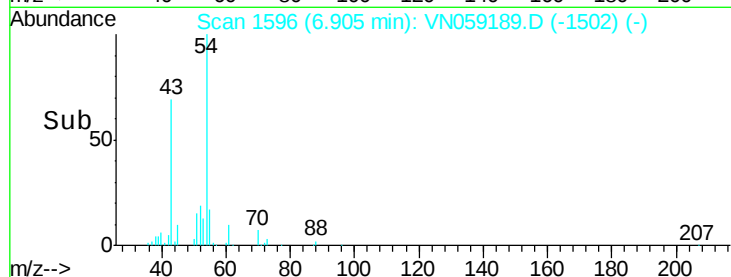
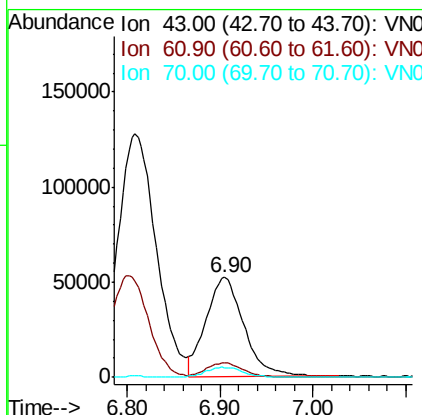
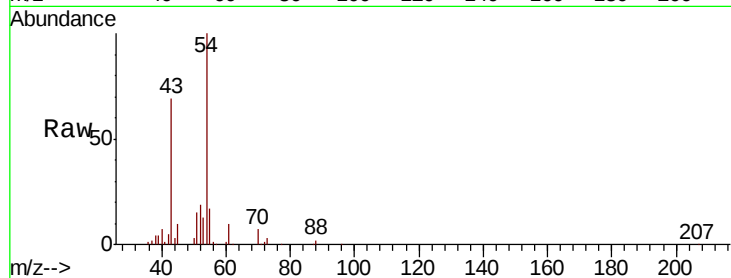
#37
Ethyl Acetate
Concen: 21.343 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	43	61	70
Ratio	100	13.7	10.0
Lower		11.2	7.8
Upper		16.8	11.8

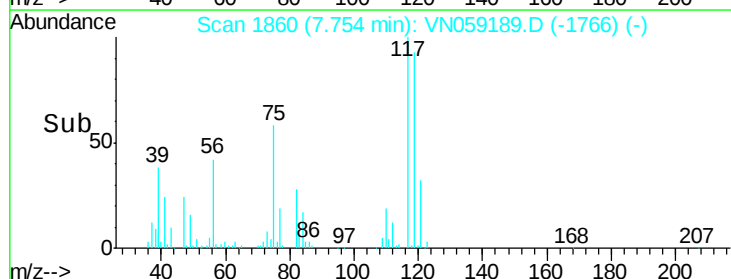
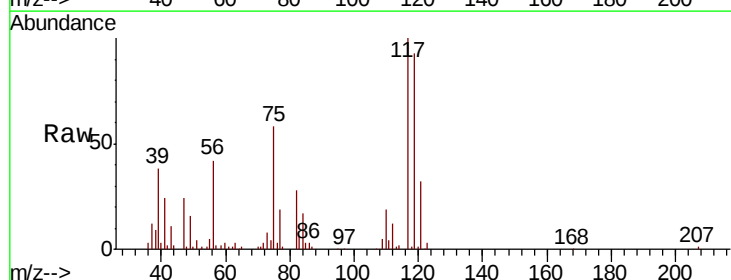
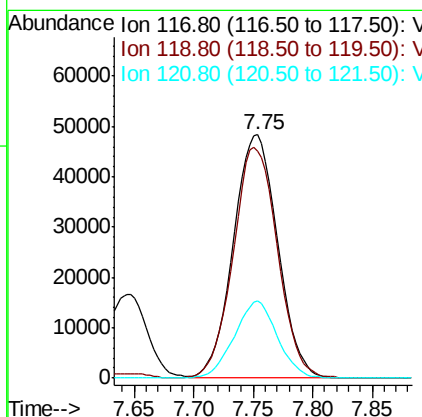
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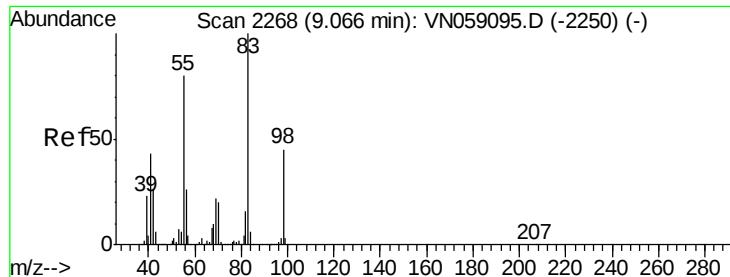
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#38
Carbon Tetrachloride
Concen: 20.077 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	117	119	121
Ratio	100	92.9	31.6
Lower		75.6	24.6
Upper		113.4	36.8





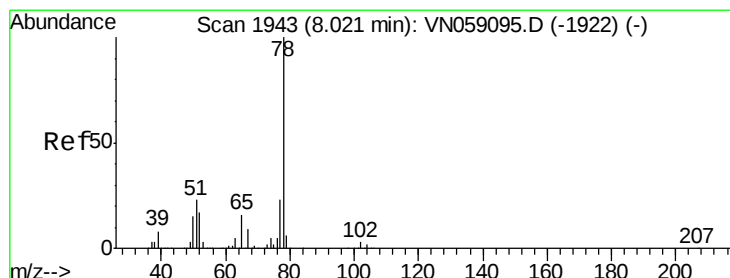
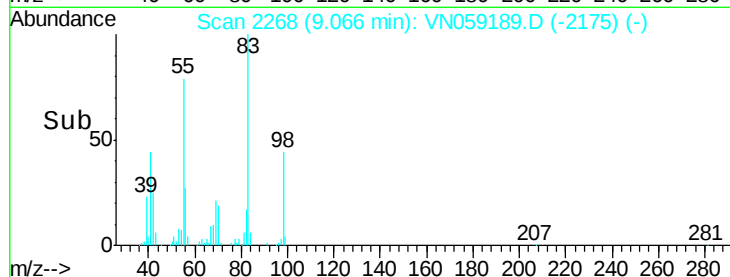
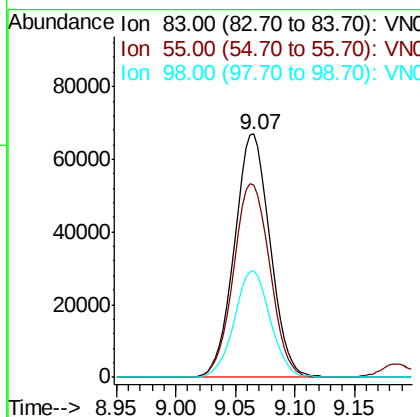
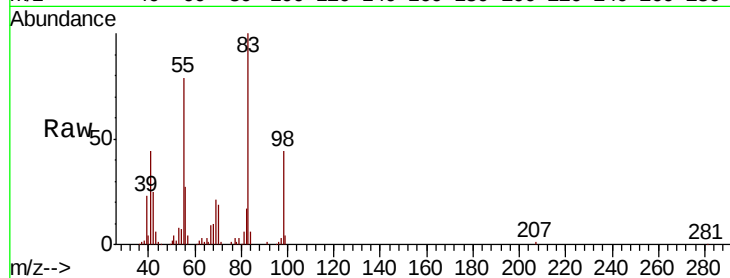
#39
Methvlcvclohexane
Concen: 19.233 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	63.9	95.9
98	43.8	35.6	53.4

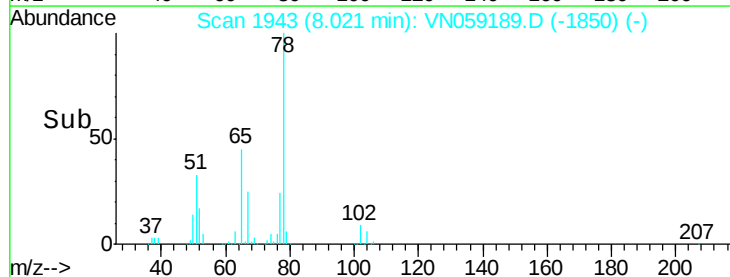
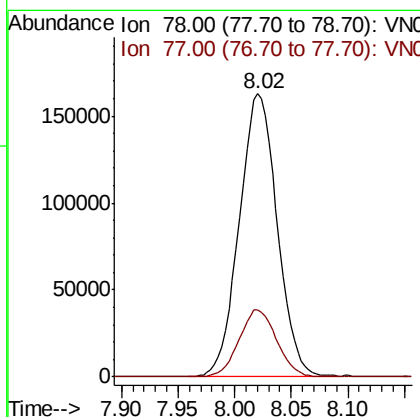
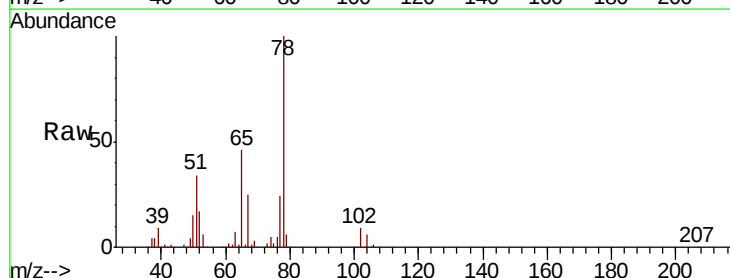
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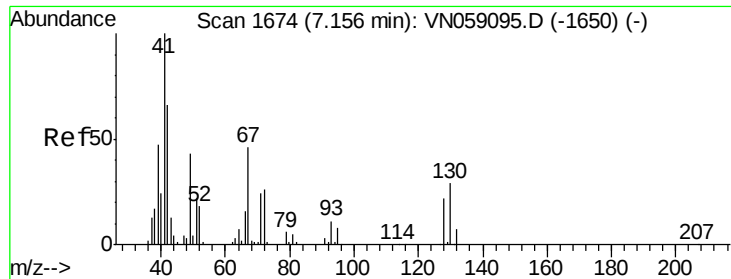
MMDadoda
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#40
Benzene
Concen: 20.199 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





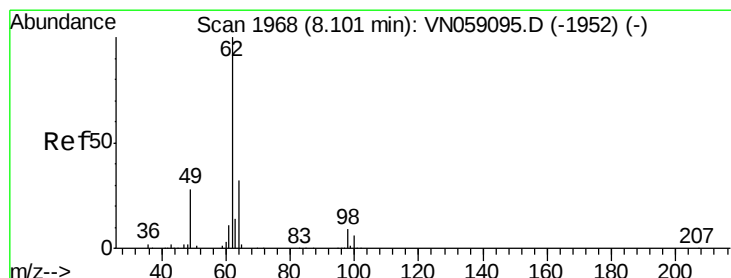
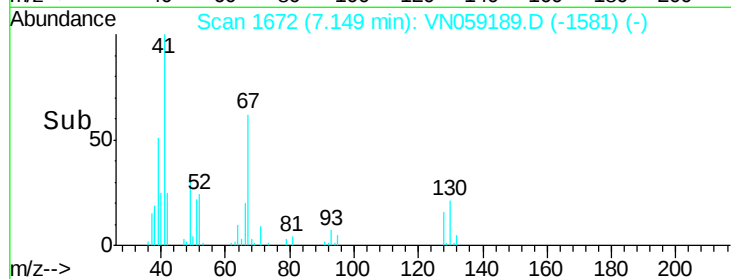
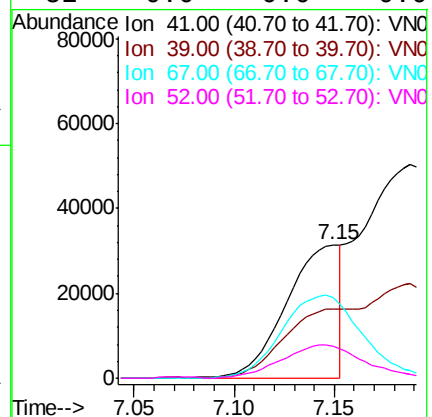
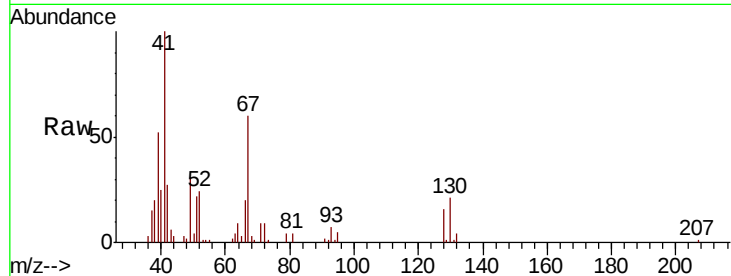
#41
Methacrylonitrile
Concen: 19.125 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

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

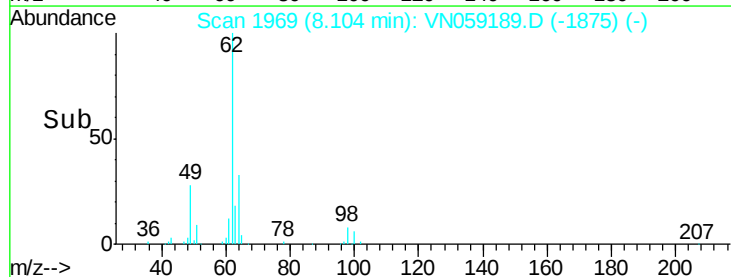
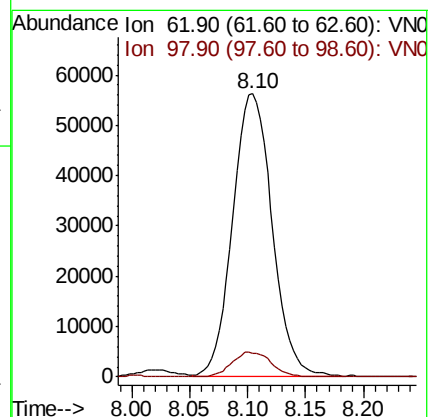
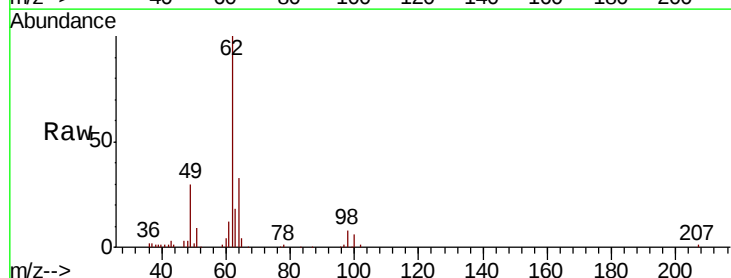
Manual Integrations
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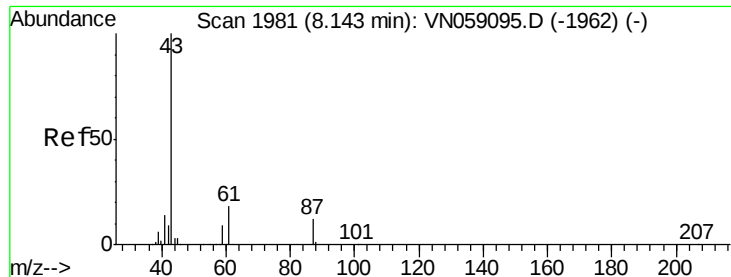
MMDadoda
11/13/2019 12:07:40 PM



#42
1,2-Dichloroethane
Concen: 20.485 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





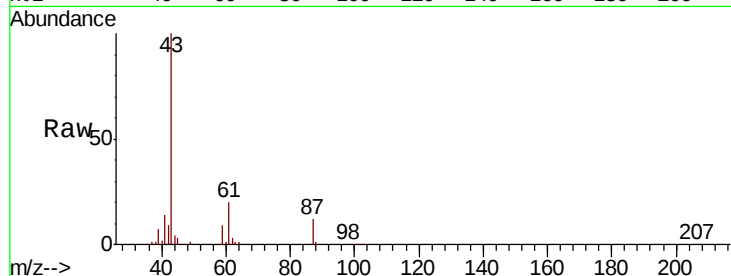
#43
Isopropyl Acetate
Concen: 20.516 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

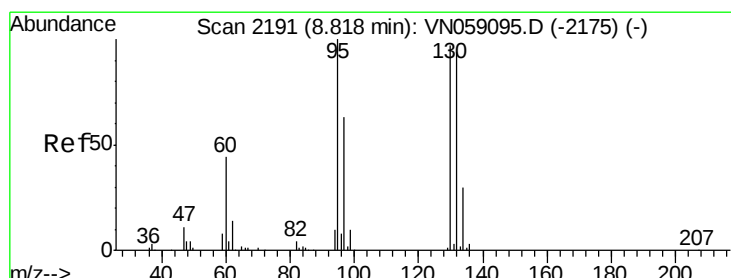
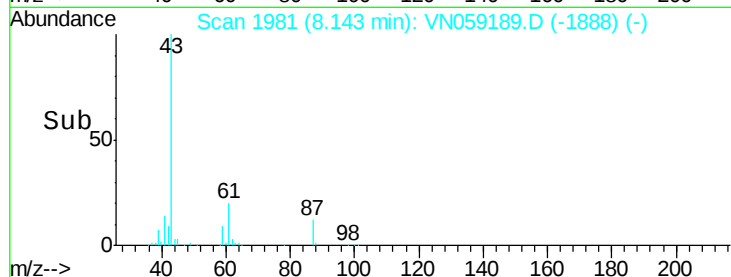
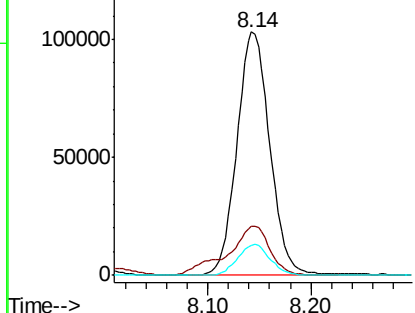
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.0	31.6
87	12.6	9.8	14.6

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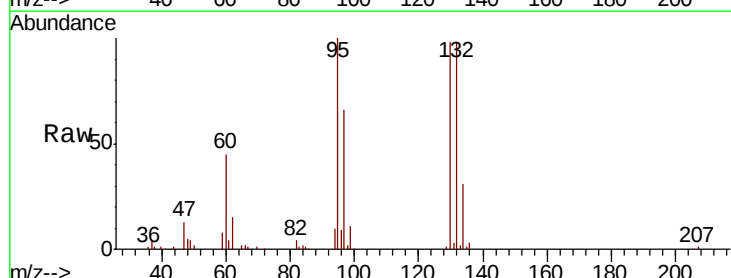


Abundance Ion 43.00 (42.70 to 43.70): VN059189.D (-1888) (-)
Ion 61.00 (60.70 to 61.70): VN059189.D (-1888) (-)
Ion 87.00 (86.70 to 87.70): VN059189.D (-1888) (-)

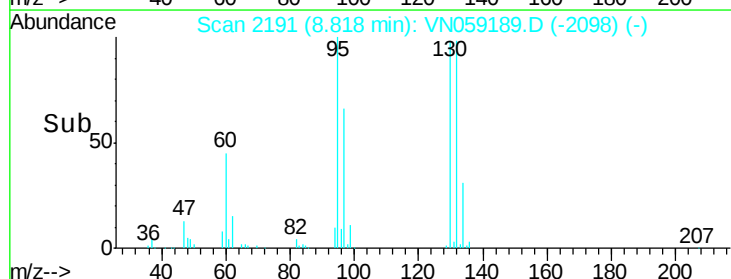
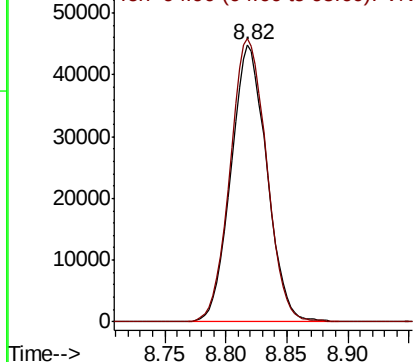


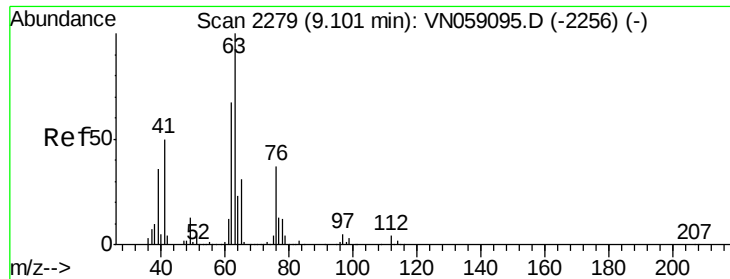
#44
Trichloroethene
Concen: 19.724 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059189.D (-2098) (-)
Ion 94.90 (94.60 to 95.60): VN059189.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.638 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 63 Resp: 105565

Ion Ratio Lower Upper

63 100

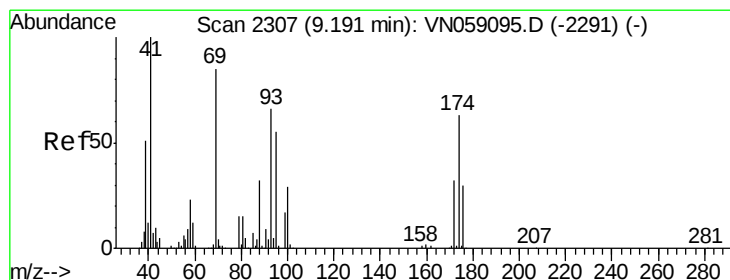
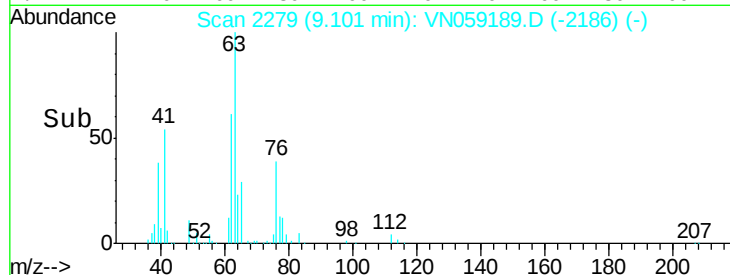
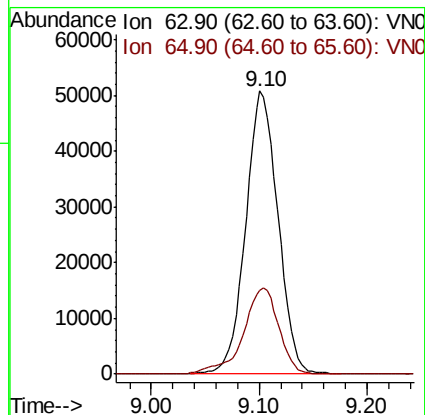
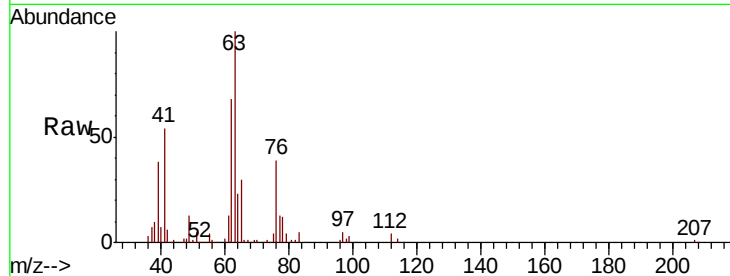
65 29.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.838 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

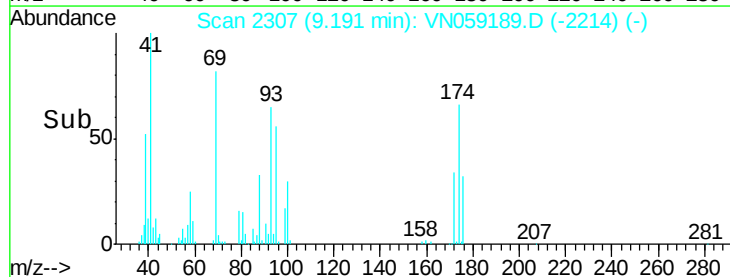
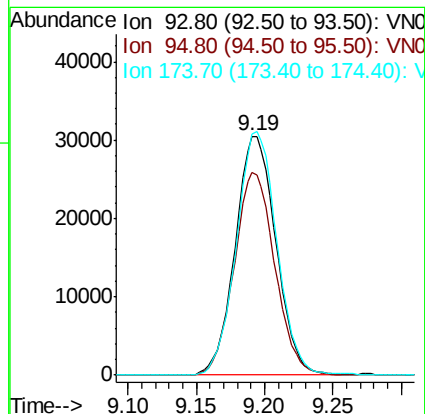
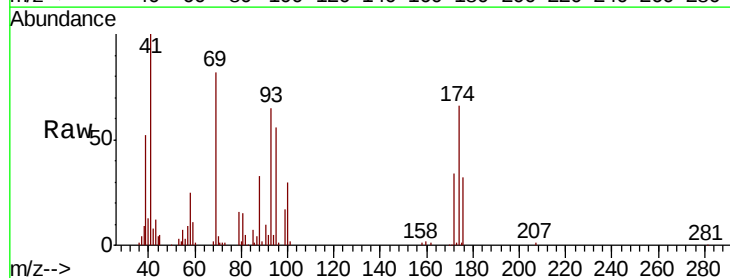
Tgt Ion: 93 Resp: 63233

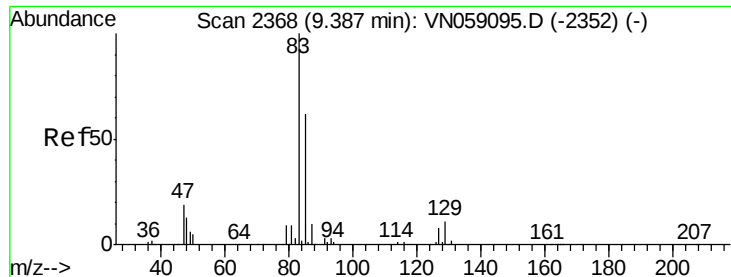
Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 101.4 78.2 117.2





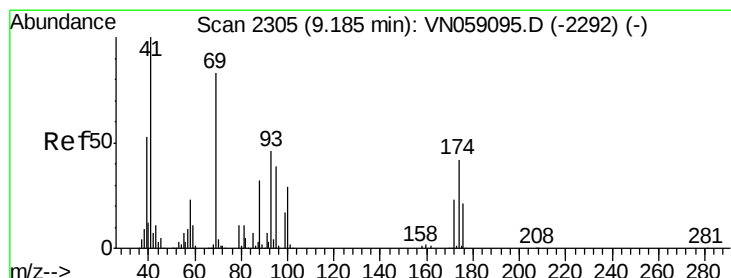
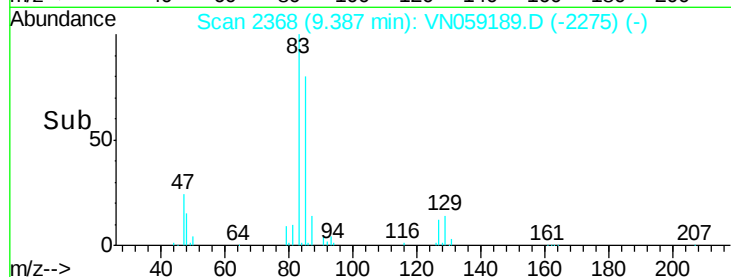
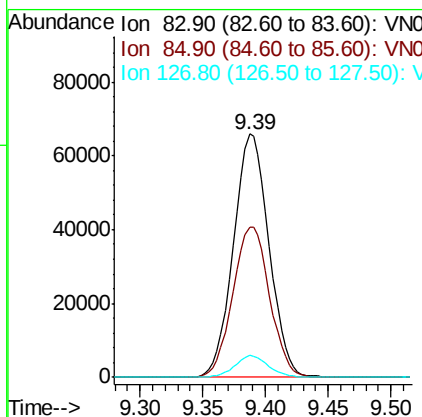
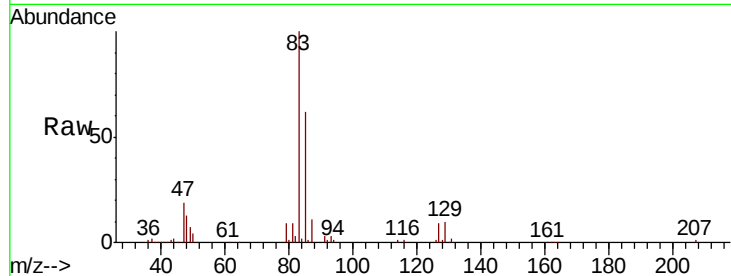
#47
Bromodichloromethane
Concen: 20.395 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129811		
85	61.8	49.7	74.5	
127	8.8	6.4	9.6	

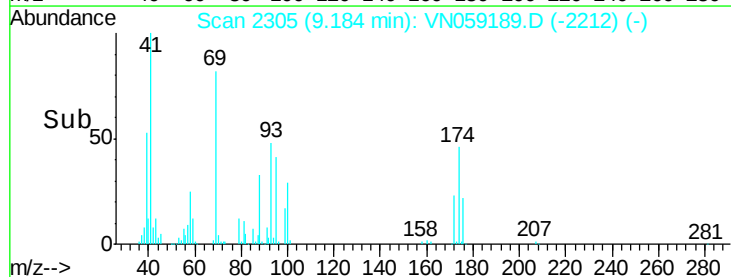
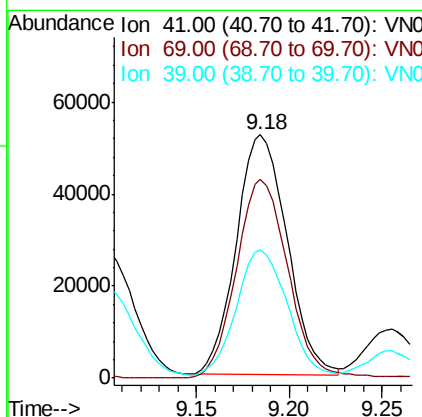
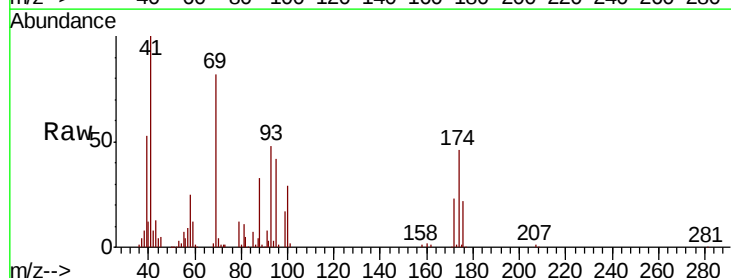
Manual Integrations
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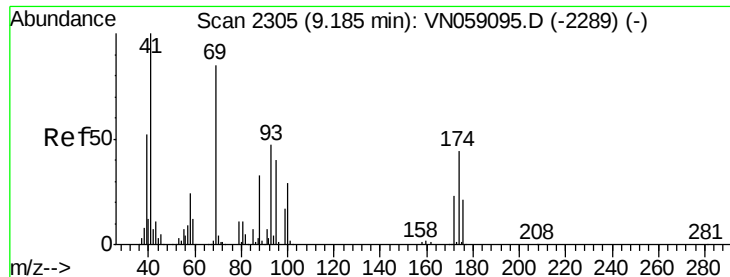
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#48
Methyl methacrylate
Concen: 20.071 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99572		
69	84.9	67.3	100.9	
39	54.1	43.3	64.9	





#49

1,4-Dioxane

Concen: 419.152 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

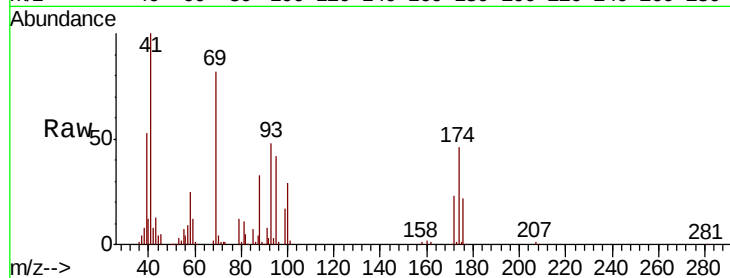
ClientSampleId :

VN1112MBSD01

Tot Ion:	88	Resp:	36955
Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.3	39.5
58	74.2	60.6	90.8

Manual Integrations
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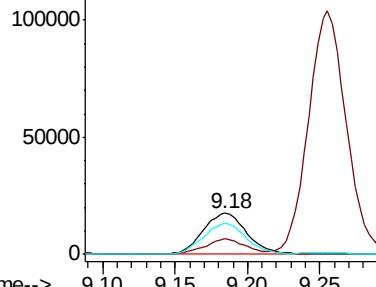
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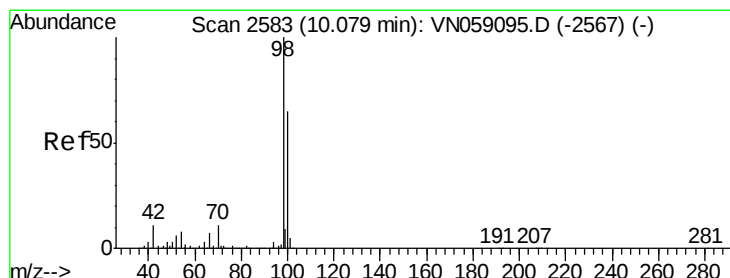
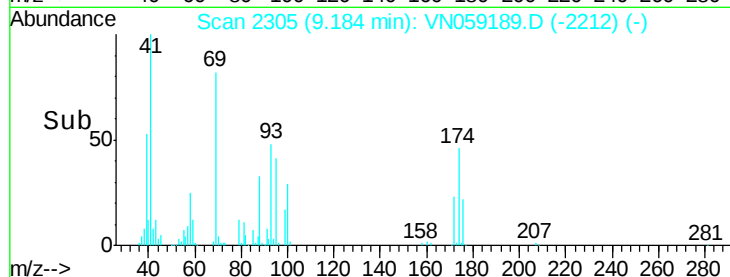
Abundance Ion 88.00 (87.70 to 88.70): VN059189.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059189.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059189.D (-2212) (-)



Time-->



#50

Toluene-d8

Concen: 53.355 ug/l

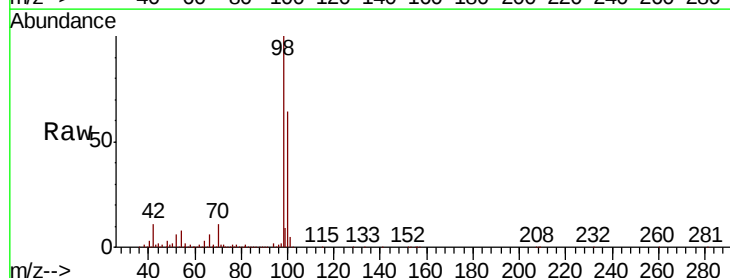
RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059189.D

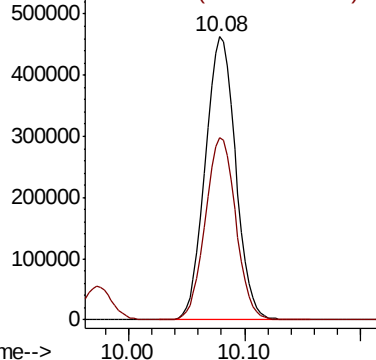
Acq: 12 Nov 2019 14:45

Tgt Ion:	98	Resp:	839570
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

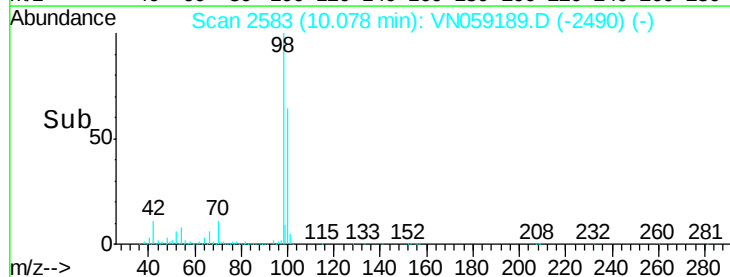


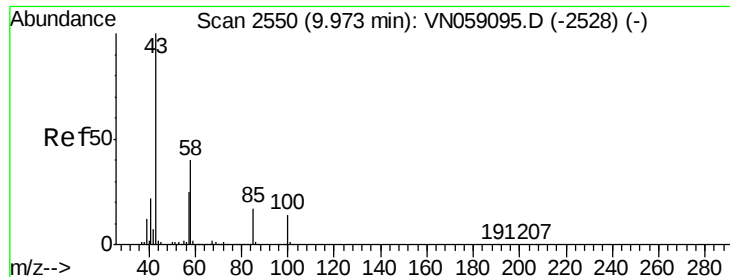
Abundance Ion 98.00 (97.70 to 98.70): VN059189.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059189.D (-2490) (-)



Time-->





#51

4-Methyl-2-Pentanone

Concen: 117.124 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 43 Resp: 735037

Ion Ratio Lower Upper

43 100

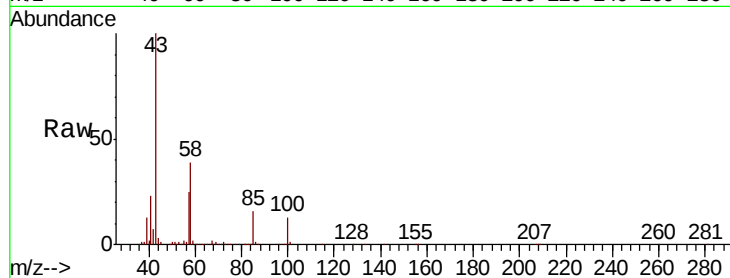
58 38.5 31.5 47.3

Manual Integrations

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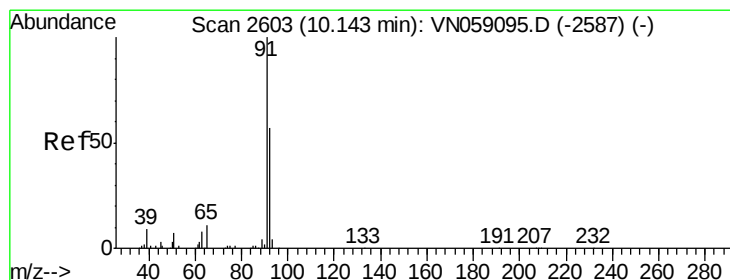
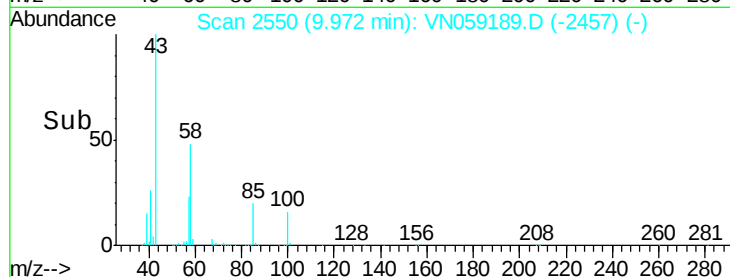
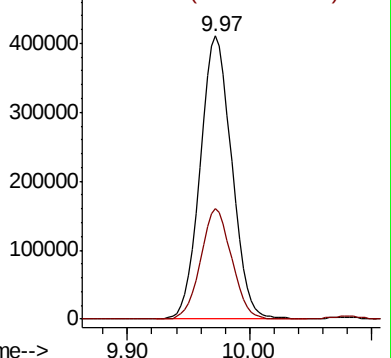
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.475 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059189.D

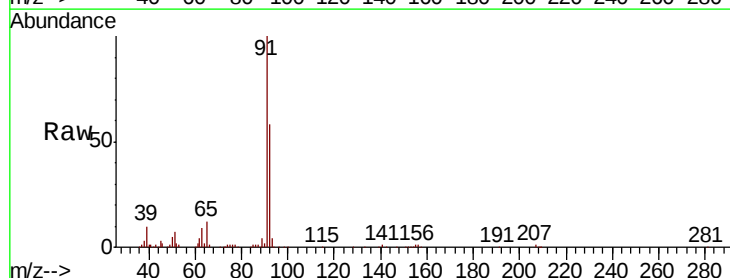
Acq: 12 Nov 2019 14:45

Tgt Ion: 92 Resp: 231109

Ion Ratio Lower Upper

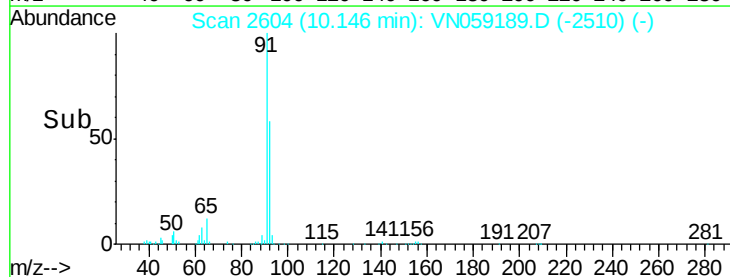
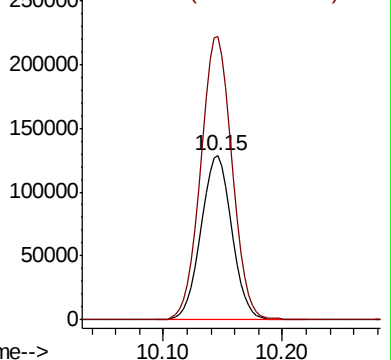
92 100

91 175.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.286 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 75 Resp: 149173

Ion Ratio Lower Upper

75 100

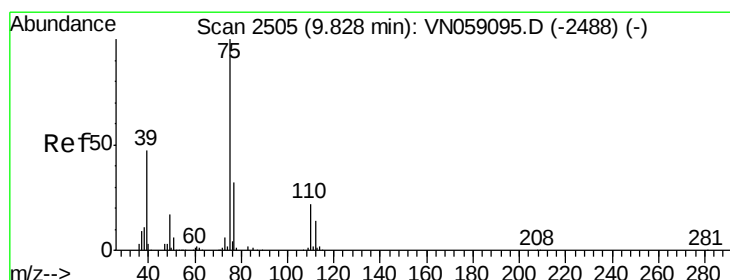
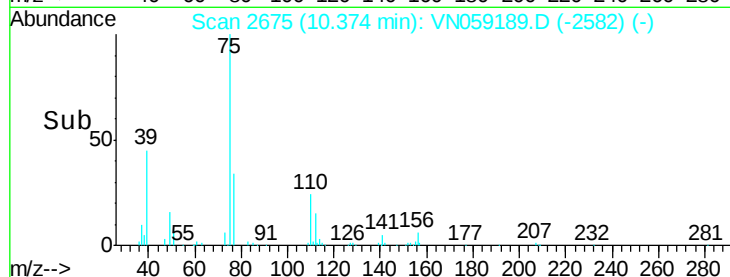
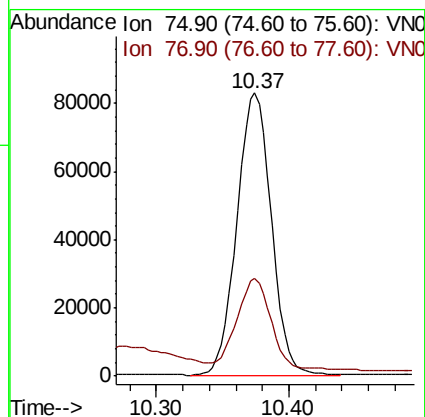
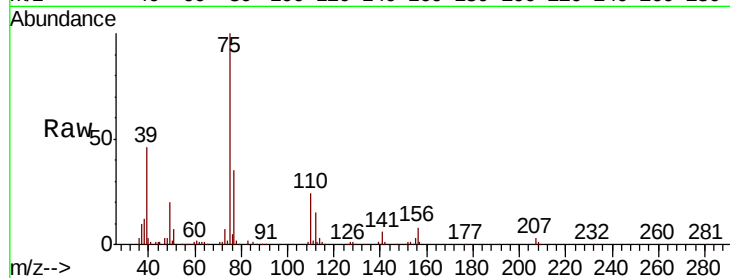
77 32.7 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.353 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

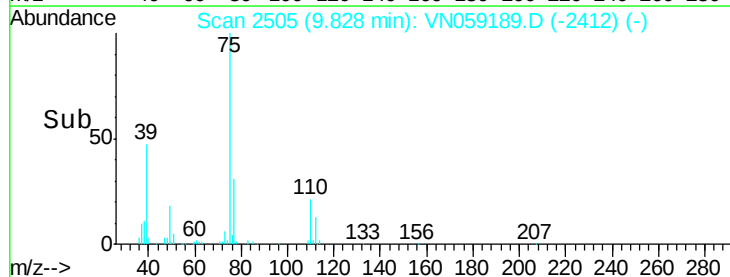
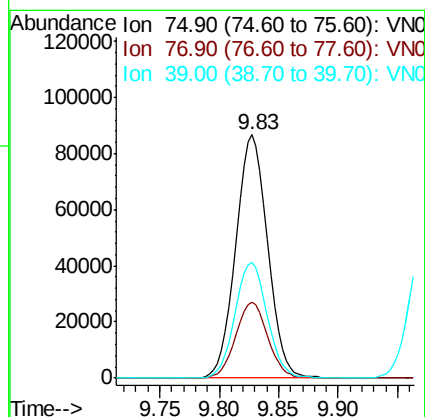
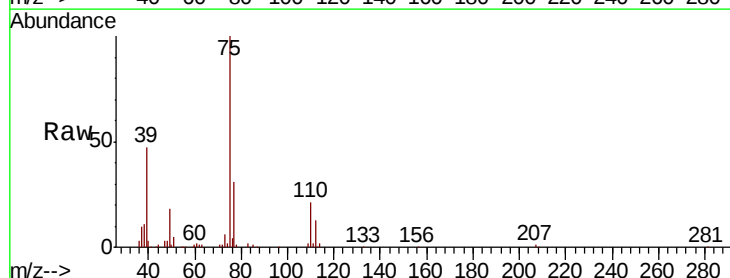
Tgt Ion: 75 Resp: 160991

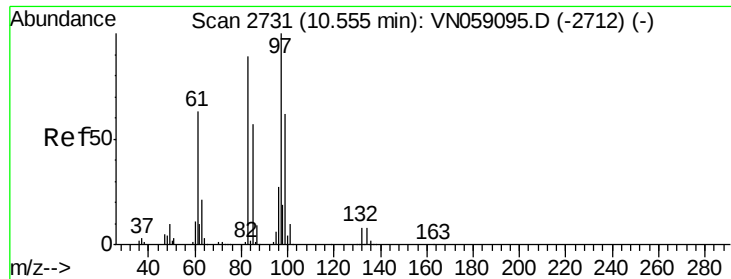
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 47.1 37.3 55.9





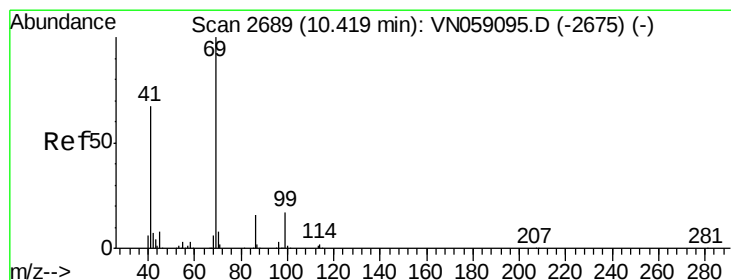
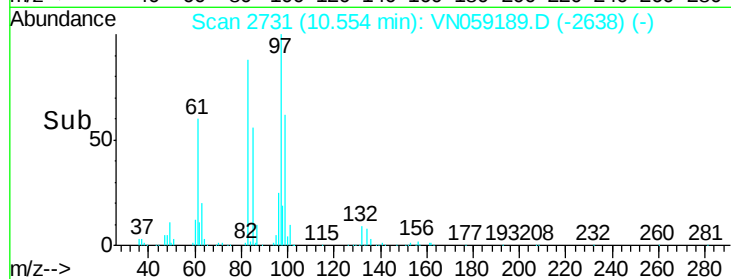
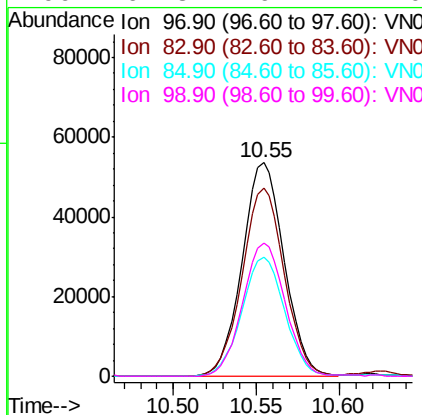
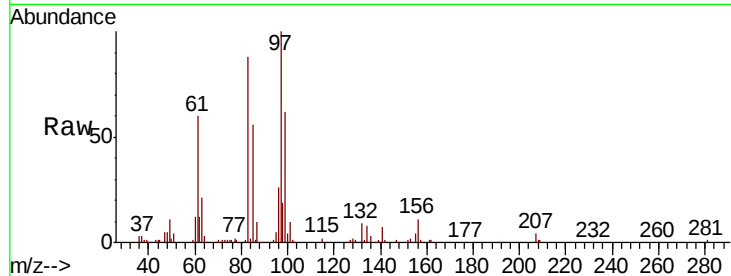
#55
 1,1,2-Trichloroethane
 Concen: 20.646 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.9	71.0	106.4	
85	55.6	45.8	68.8	
99	62.3	49.4	74.0	

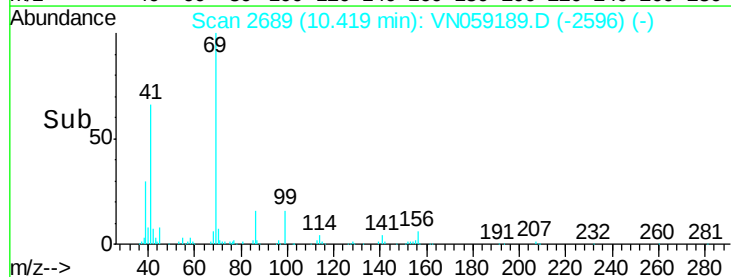
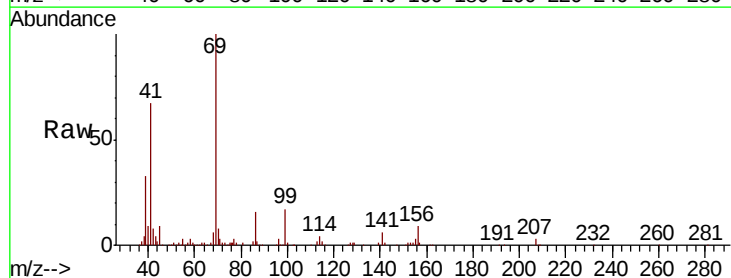
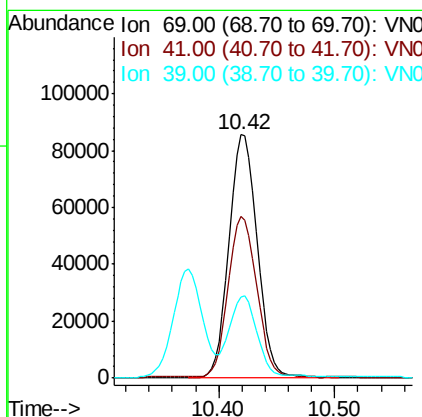
Manual Integrations
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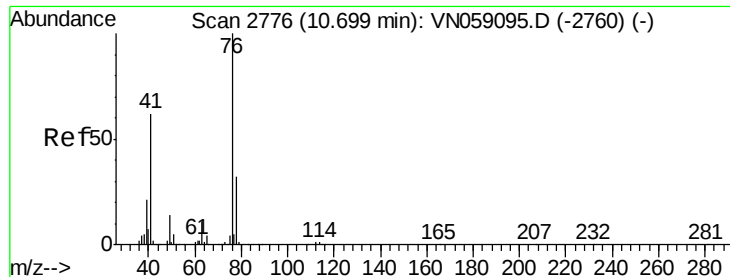
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#56
 Ethyl methacrylate
 Concen: 20.157 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.4	53.6	80.4	
39	32.3	26.2	39.4	





#57

1,3-Dichloropropane

Concen: 20.752 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 76 Resp: 163157

Ion Ratio Lower Upper

76 100

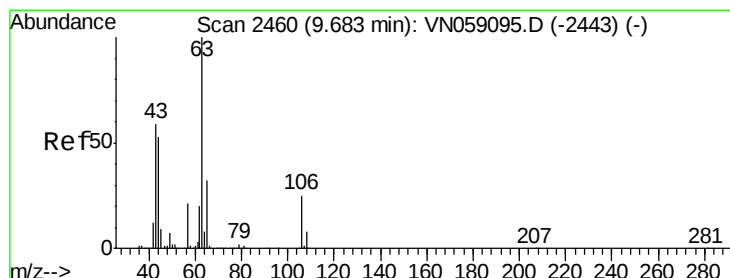
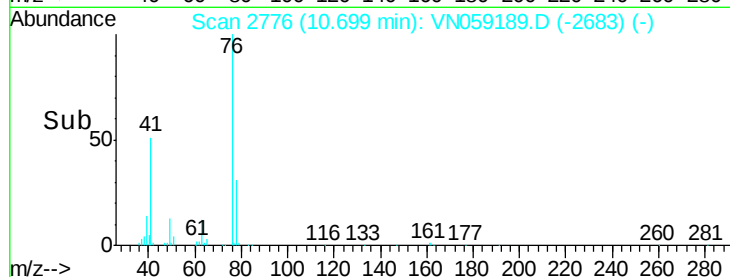
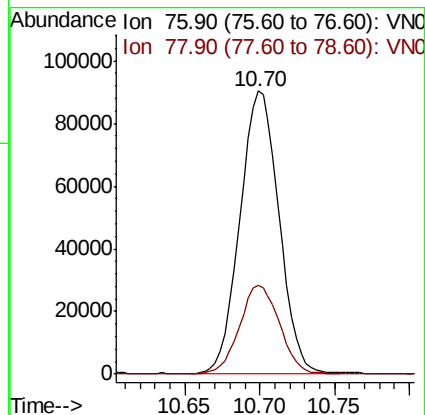
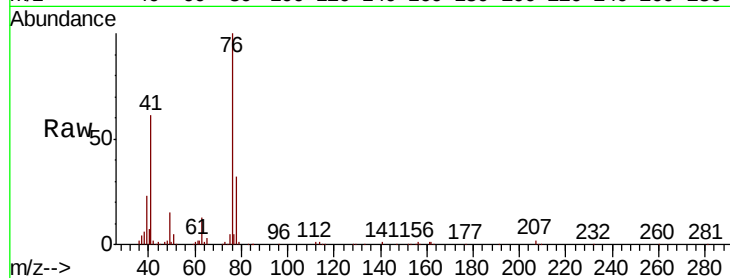
78 32.5 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 111.094 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059189.D

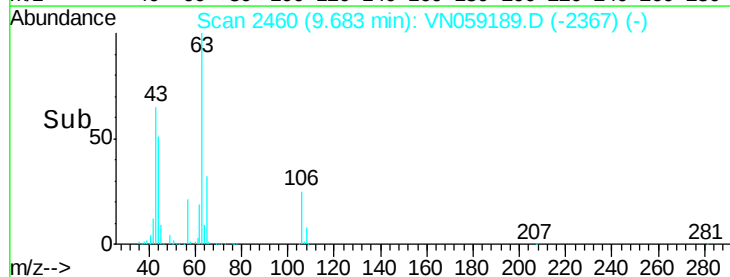
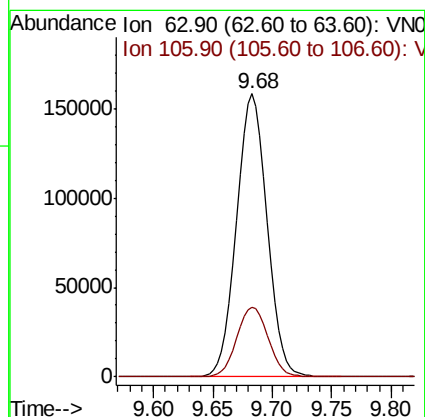
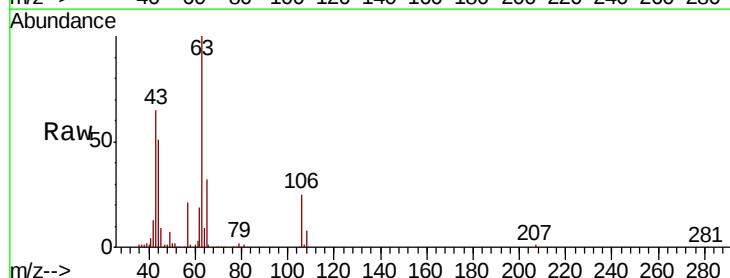
Acq: 12 Nov 2019 14:45

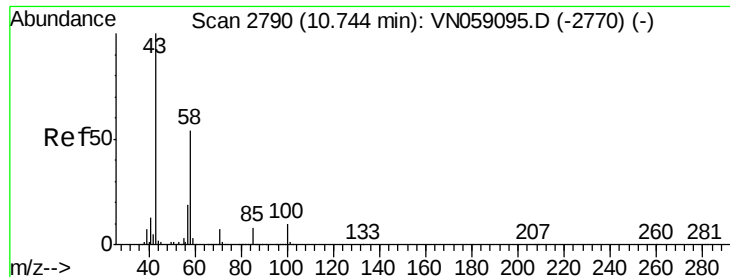
Tgt Ion: 63 Resp: 282431

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.2





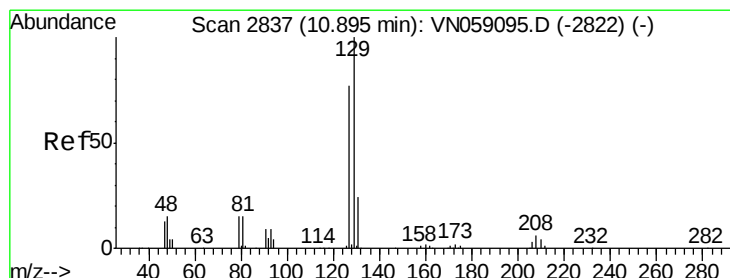
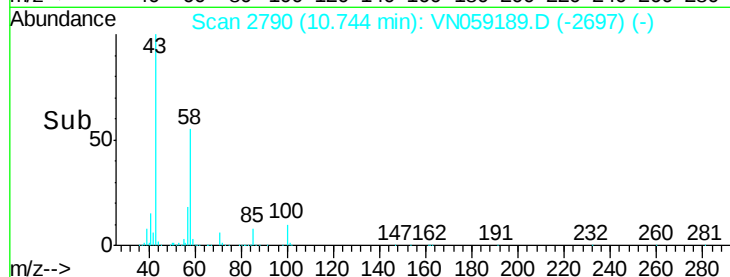
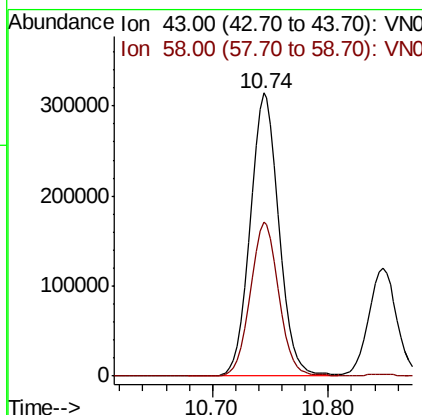
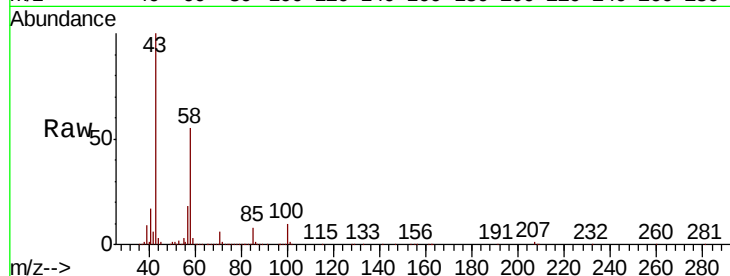
#59
2-Hexanone
Concen: 112.766 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

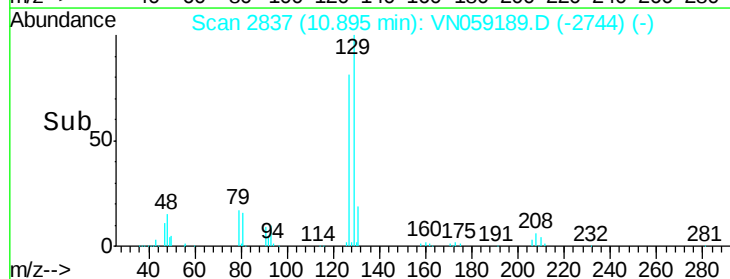
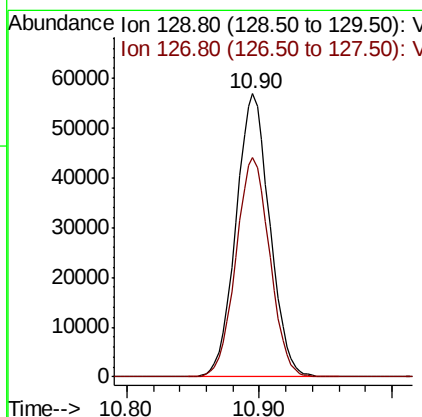
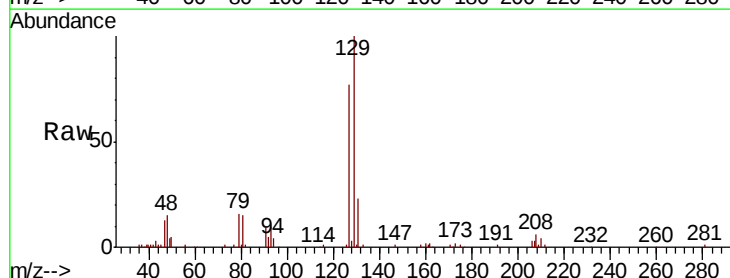
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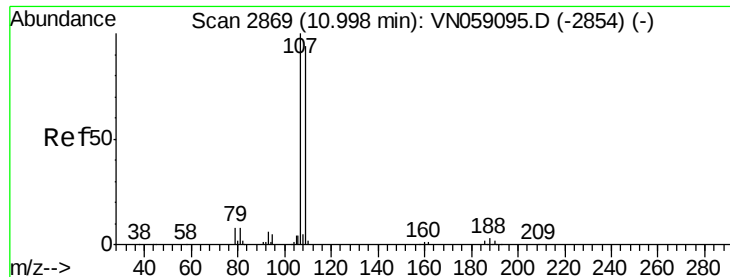
MMDadoda
11/13/2019 12:07:40 PM



#60
Dibromochloromethane
Concen: 20.802 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





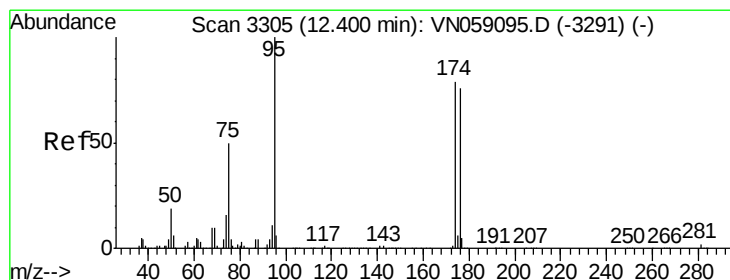
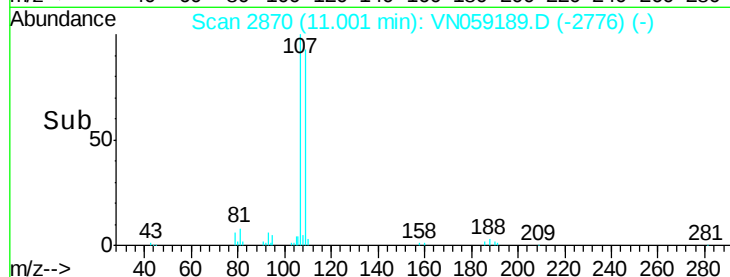
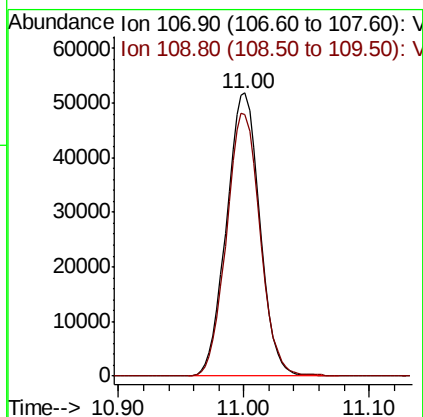
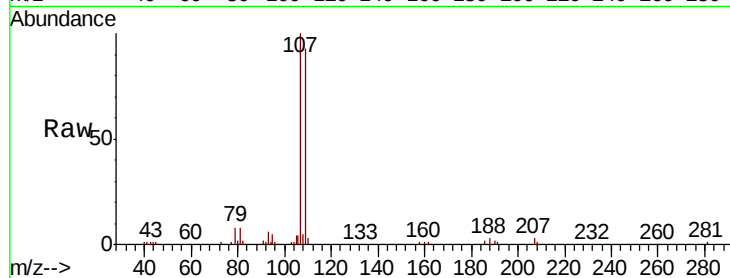
#61
 1,2-Dibromoethane
 Concen: 20.670 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.5	113.3

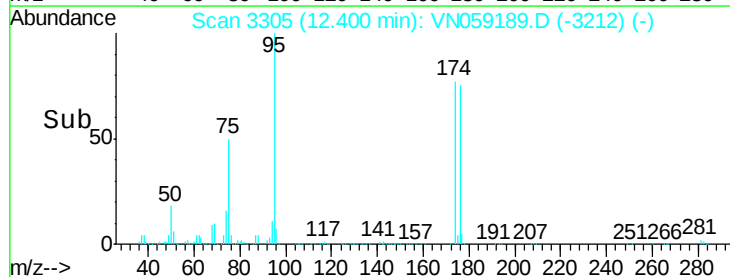
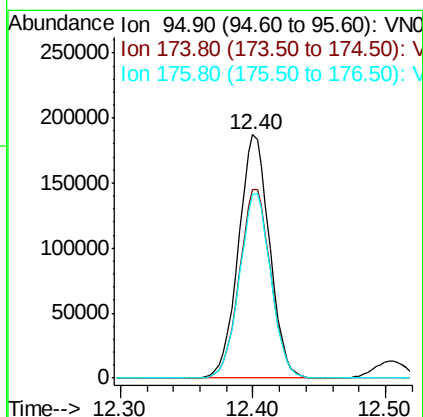
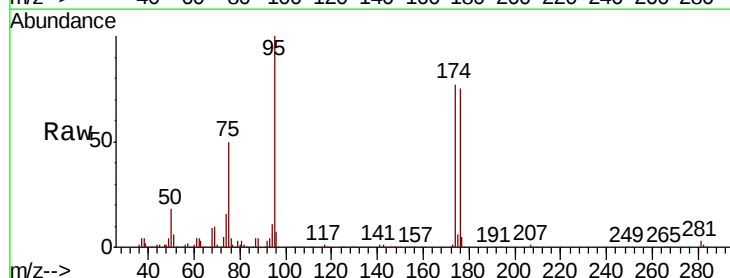
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 11/13/2019 12:07:40 PM



#62
 4-Bromofluorobenzene
 Concen: 53.676 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	158.2
176	76.3	0.0	151.8





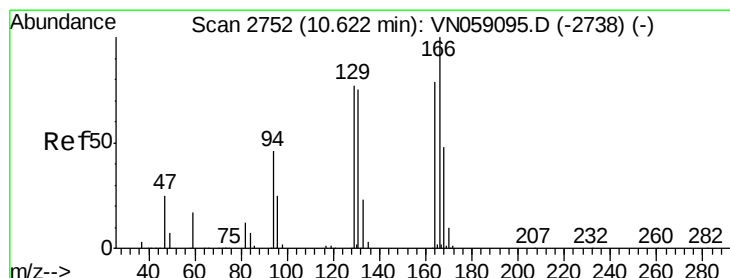
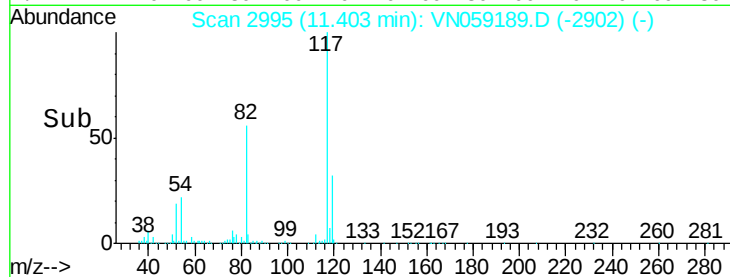
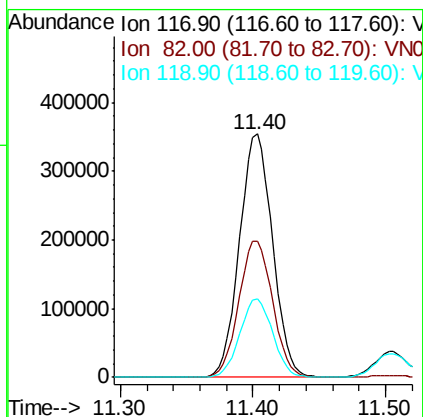
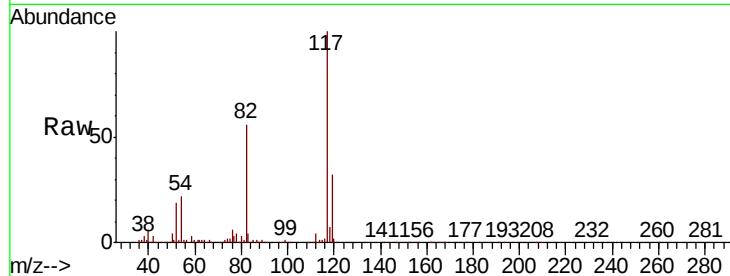
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.8	68.8
119	32.1	25.8	38.6

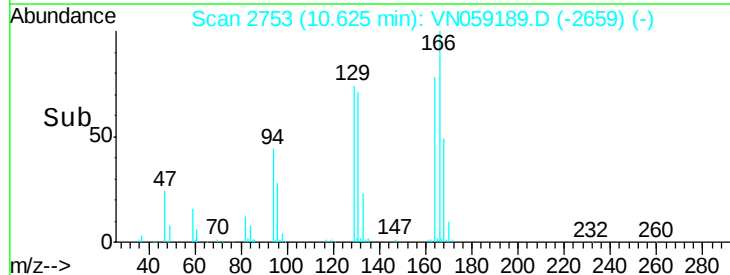
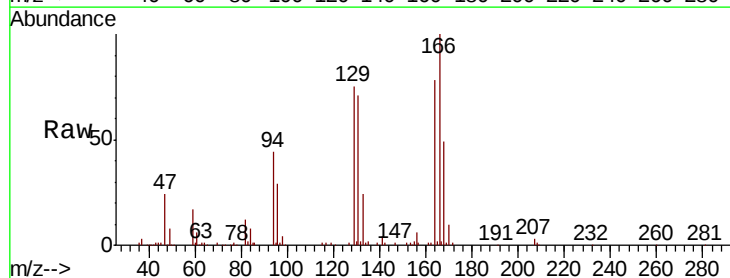
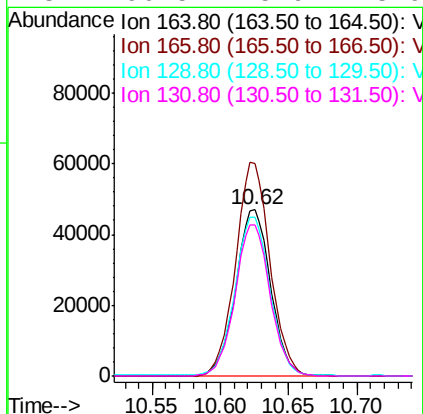
Manual Integrations
APPROVED

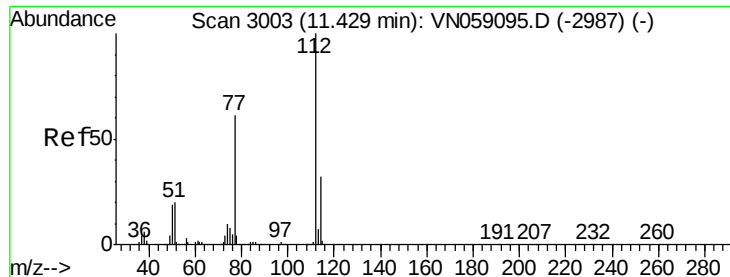
MMDadoda
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#64
Tetrachloroethene
Concen: 19.980 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.5	152.3
129	95.1	78.3	117.5
131	90.5	75.9	113.9





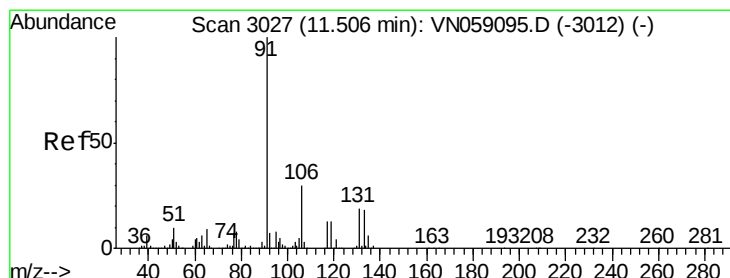
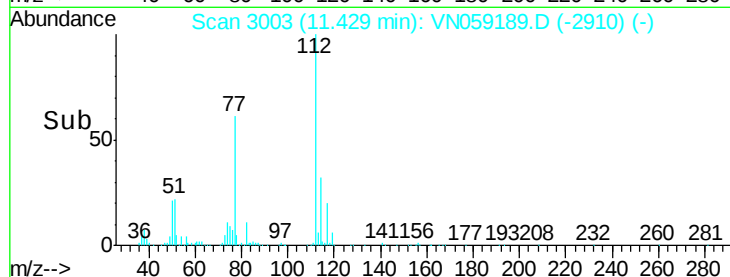
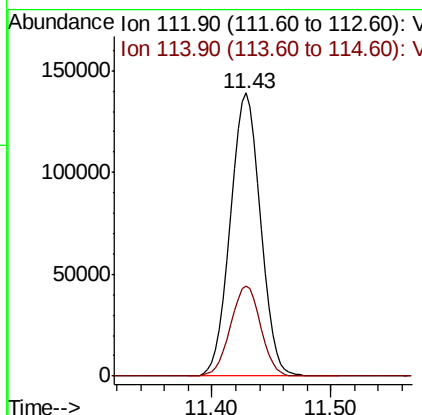
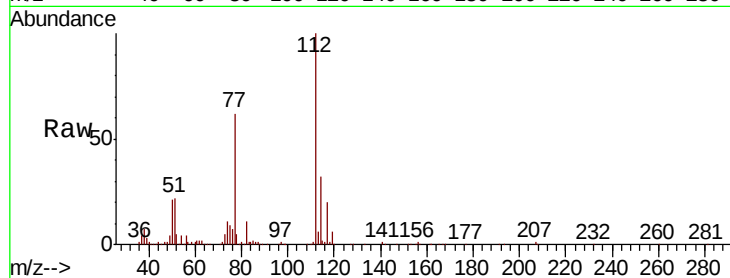
#65
Chlorobenzene
Concen: 20.384 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion:112 Resp: 244405
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

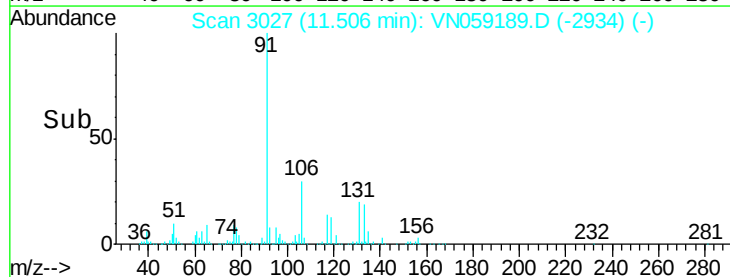
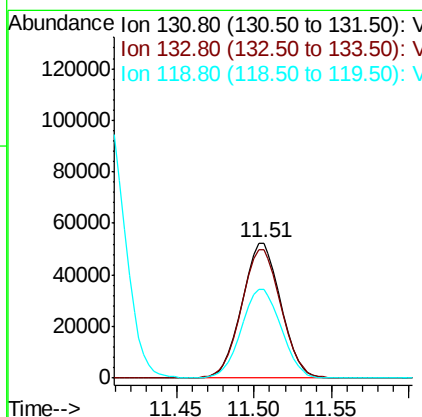
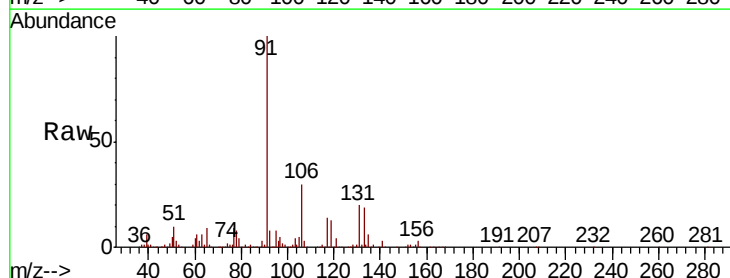
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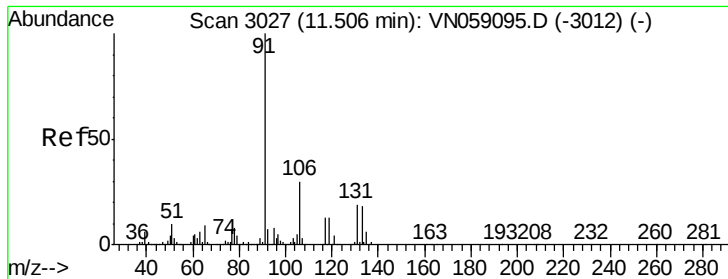
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.395 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion:131 Resp: 91734
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.3
119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 21.185 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 91 Resp: 450671

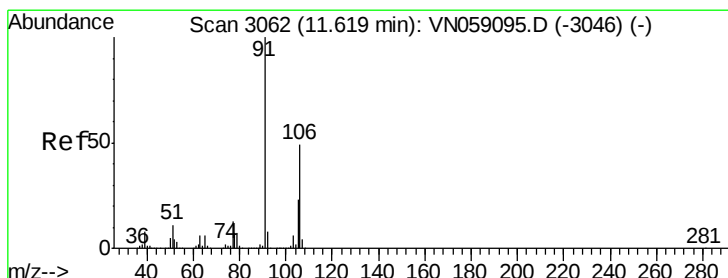
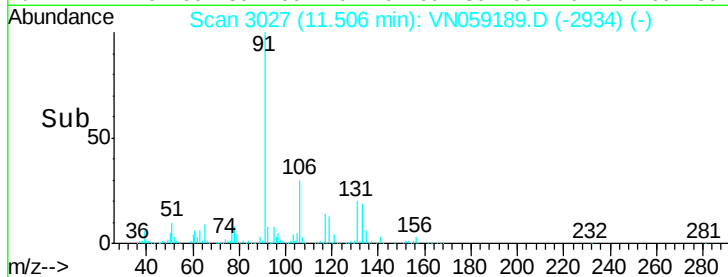
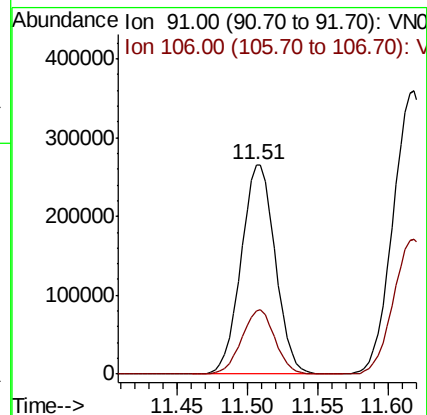
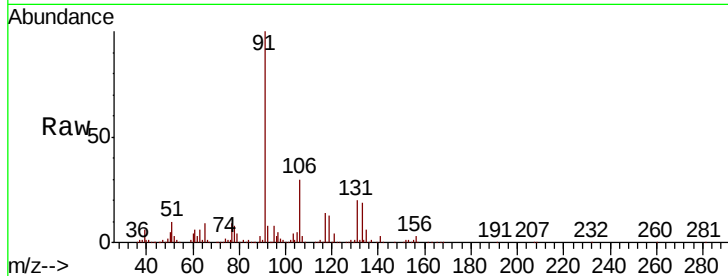
Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 41.604 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059189.D

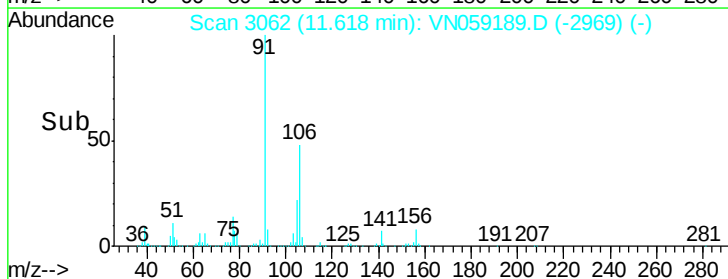
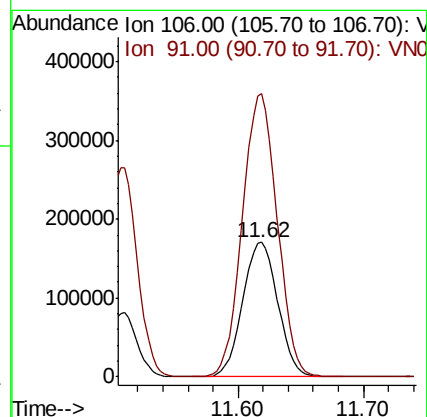
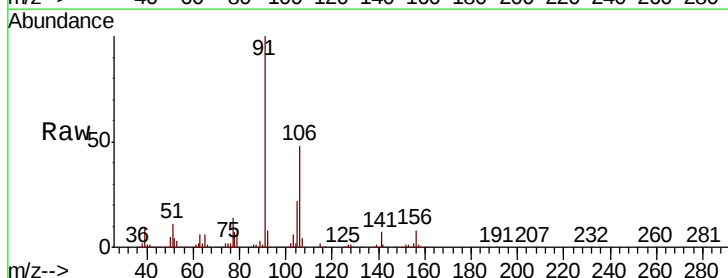
Acq: 12 Nov 2019 14:45

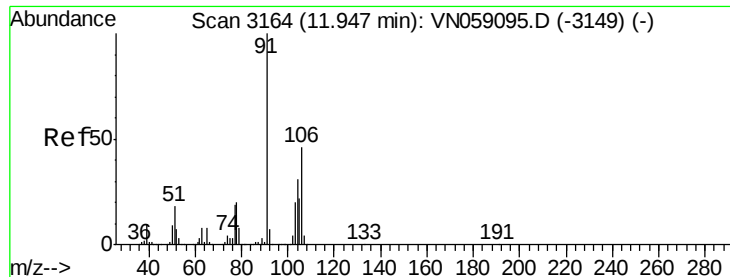
Tgt Ion: 106 Resp: 331529

Ion Ratio Lower Upper

106 100

91 209.1 164.7 247.1





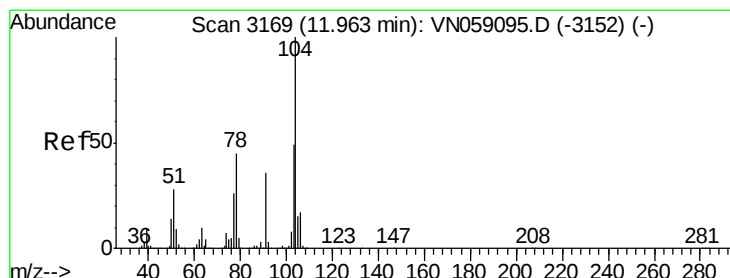
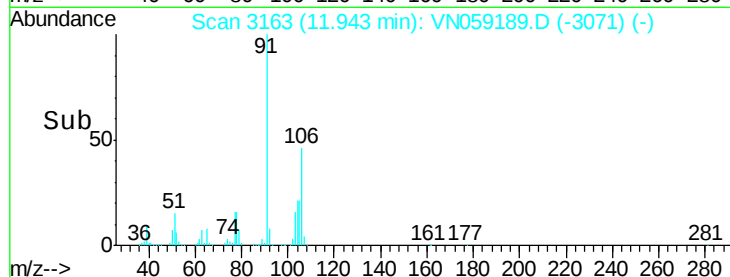
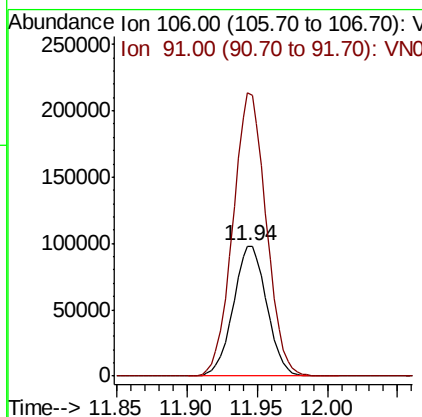
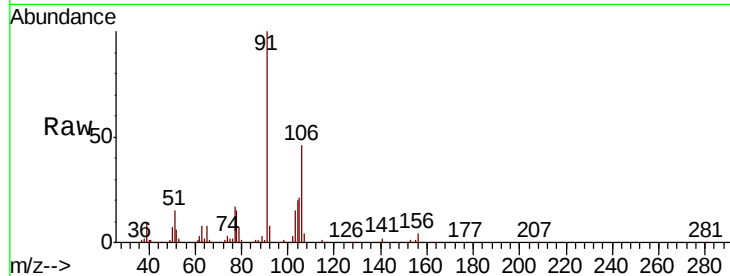
#69
o-Xylene
Concen: 21.219 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.3	110.1	330.3	

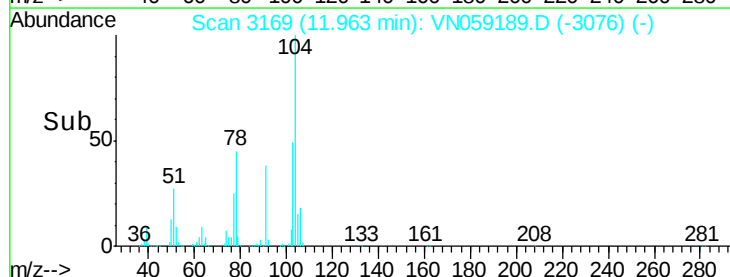
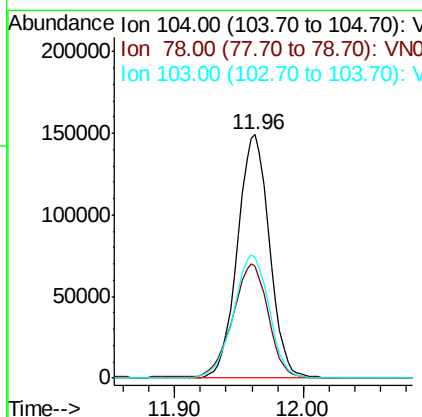
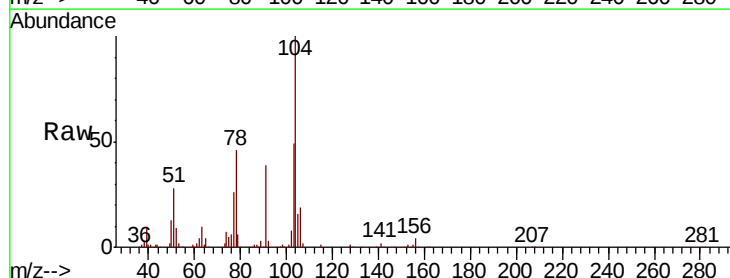
Manual Integrations
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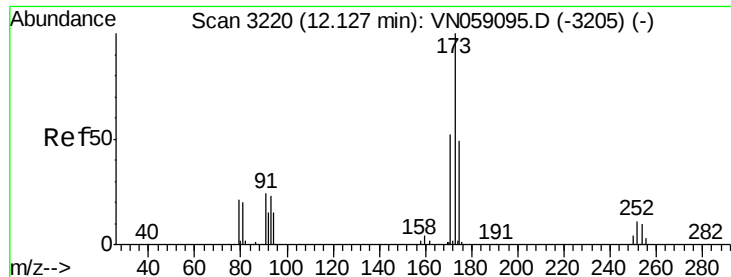
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#70
Styrene
Concen: 21.285 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.3	41.2	61.8	
103	56.5	43.8	65.6	





#71

Bromoform

Concen: 20.612 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

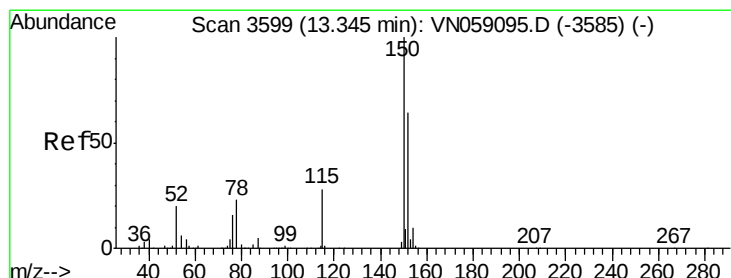
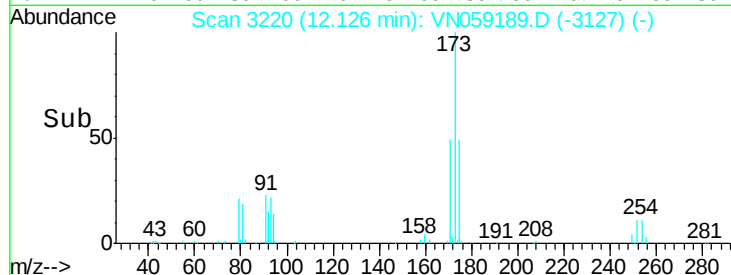
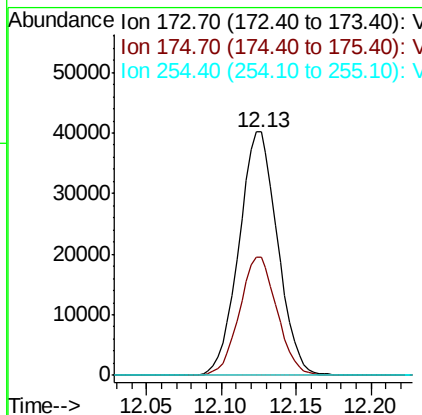
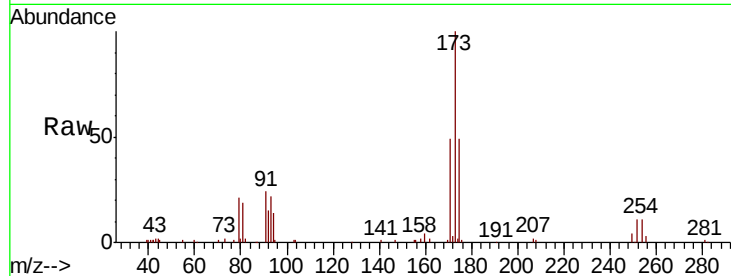
ClientSampleId :

VN1112MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

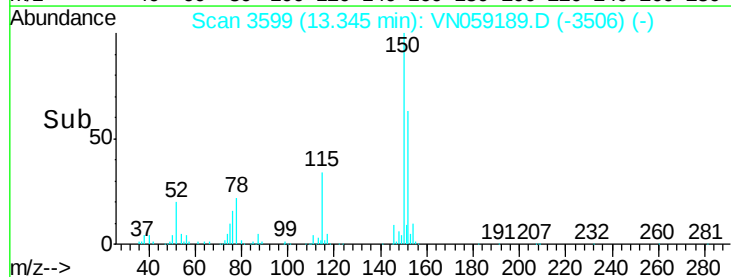
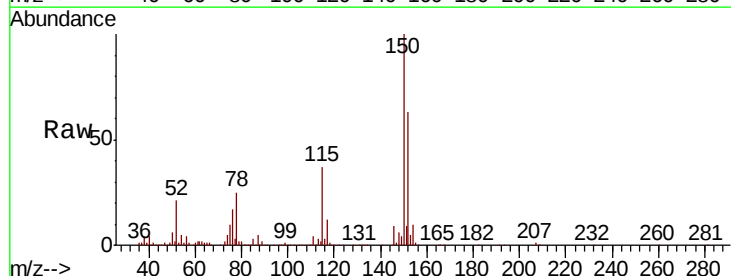
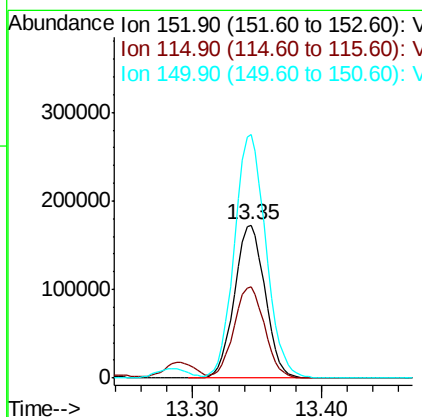
RT: 13.35 min Scan# 3599

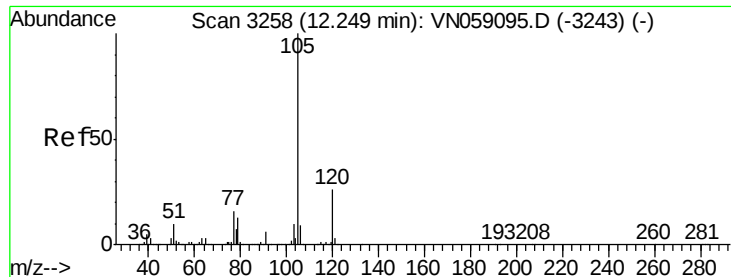
Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.2
150	163.8	0.0	345.8





#73

Isopropylbenzene

Concen: 20.806 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 105 Resp: 430018

Ion Ratio Lower Upper

105 100

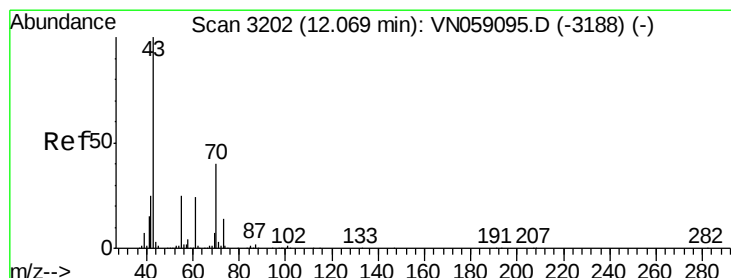
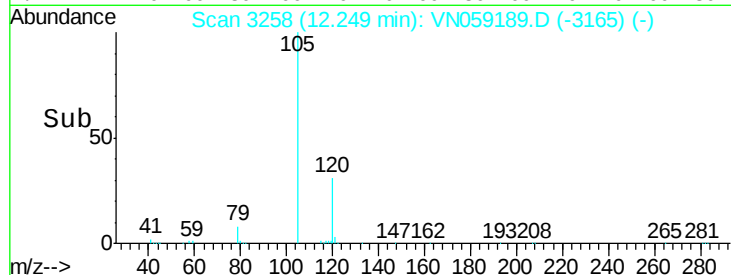
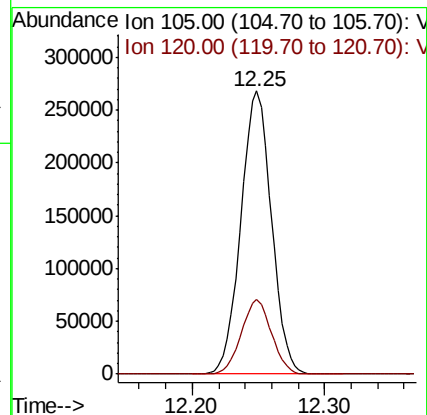
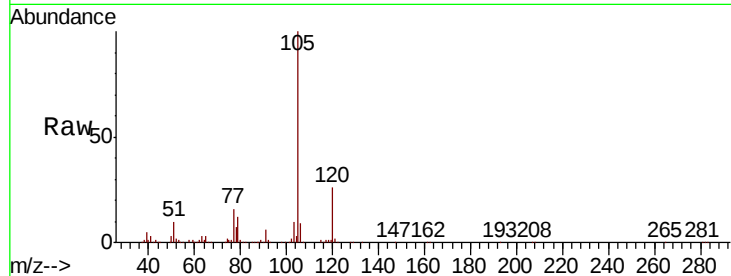
120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.136 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion: 43 Resp: 185111

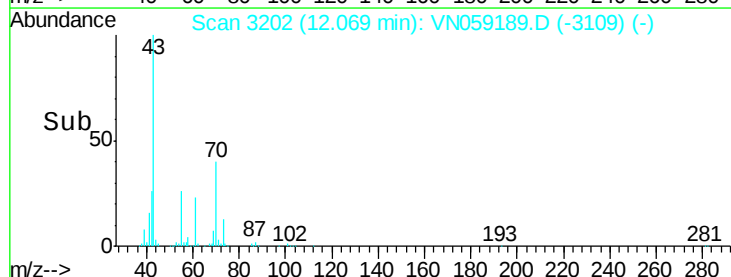
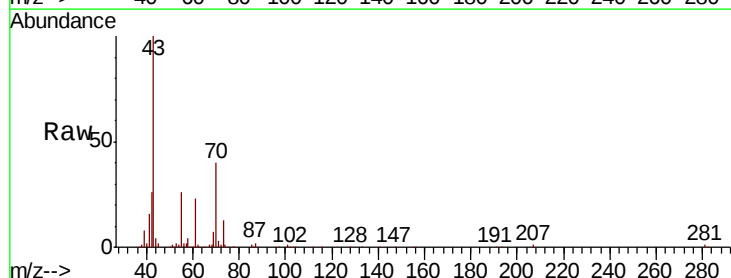
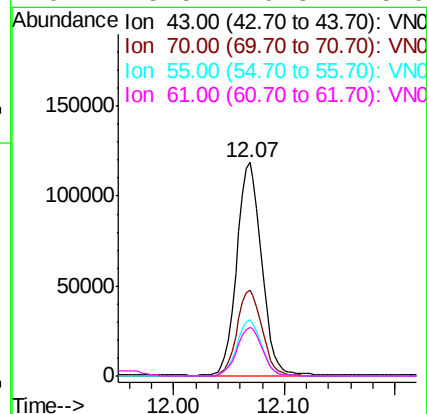
Ion Ratio Lower Upper

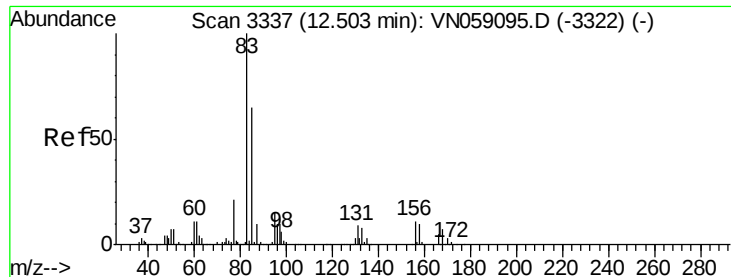
43 100

70 40.9 32.2 48.4

55 26.4 20.4 30.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.116 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 83 Resp: 148623

Ion Ratio Lower Upper

83 100

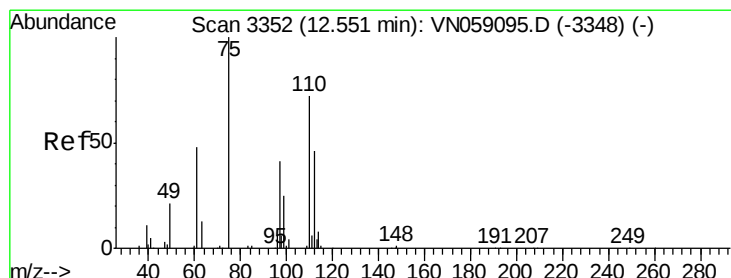
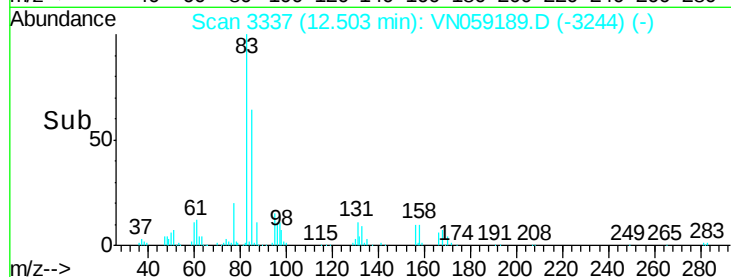
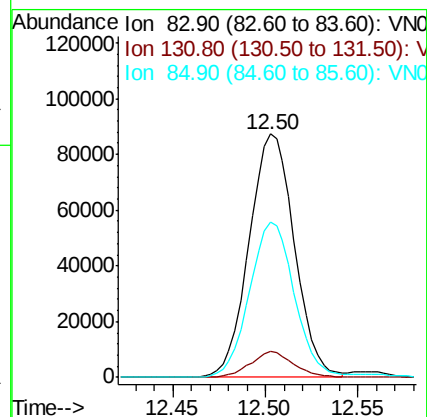
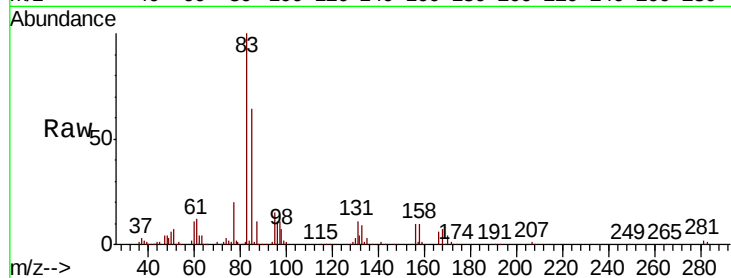
131 10.1 4.9 14.6

85 63.4 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 20.168 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059189.D

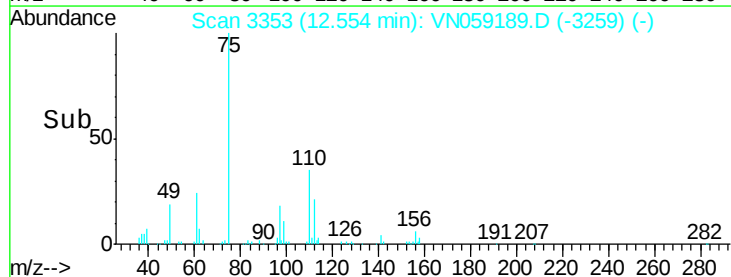
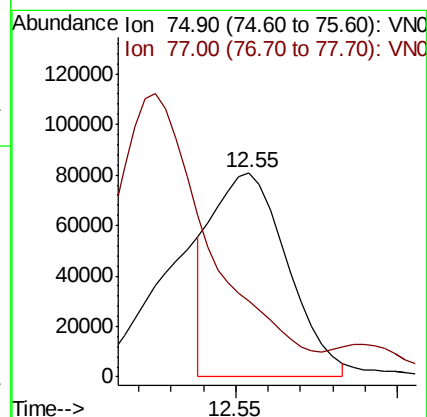
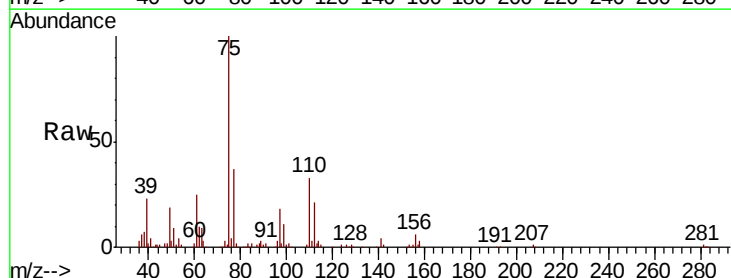
Acq: 12 Nov 2019 14:45

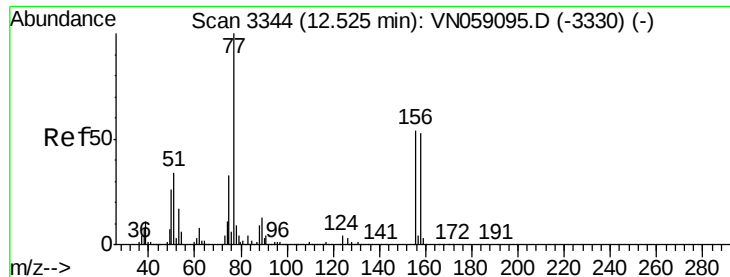
Tgt Ion: 75 Resp: 130462

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

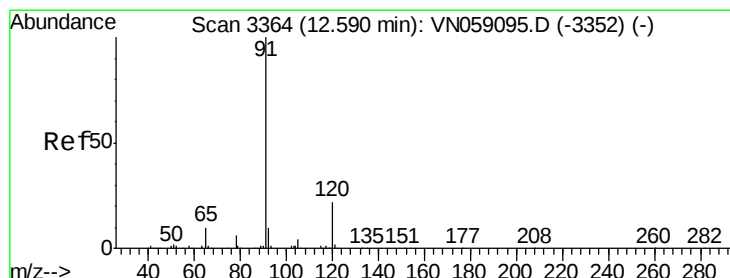
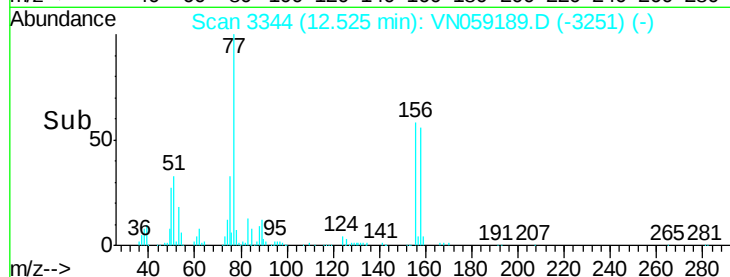
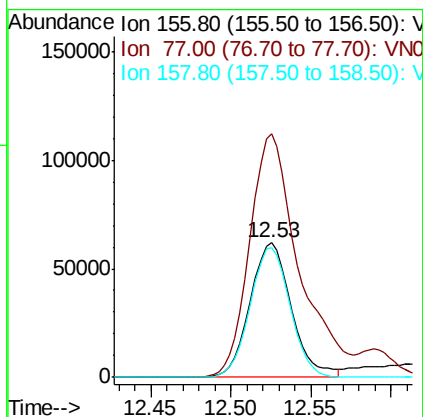
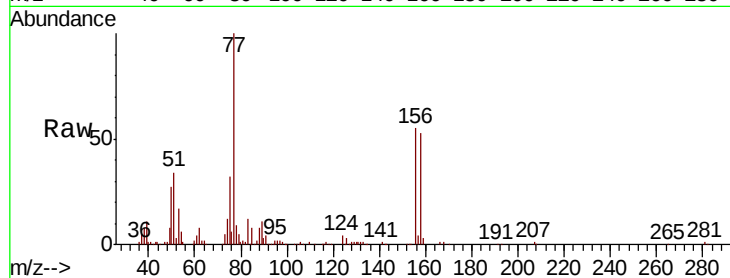
ClientSampleId :

VN1112MBSD01

Tot Ion:	156	Resp:	109872
Ion Ratio	Lower	Upper	
156	100		
77	216.7	112.8	338.3
158	92.7	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.147 ug/l

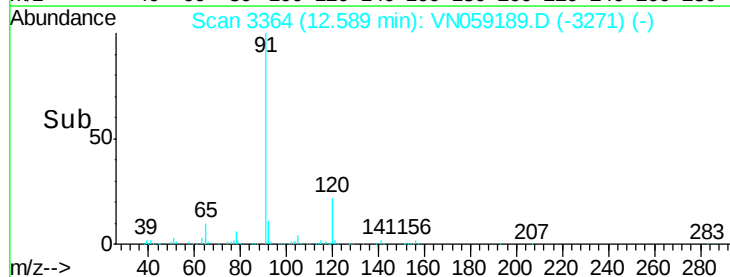
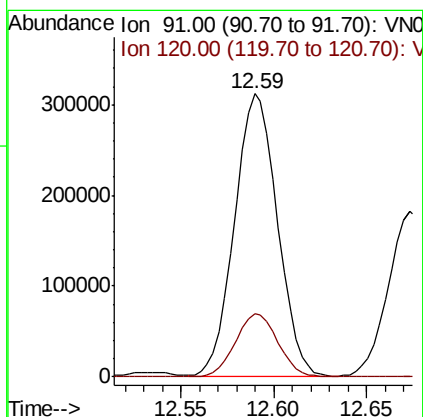
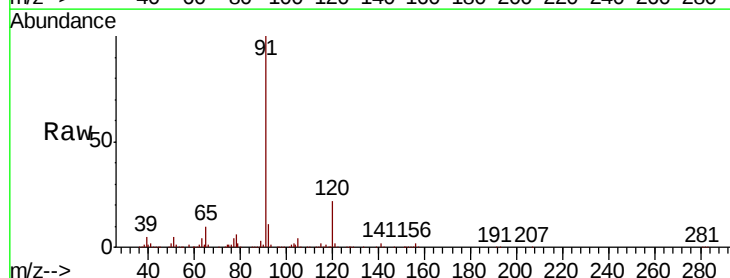
RT: 12.59 min Scan# 3364

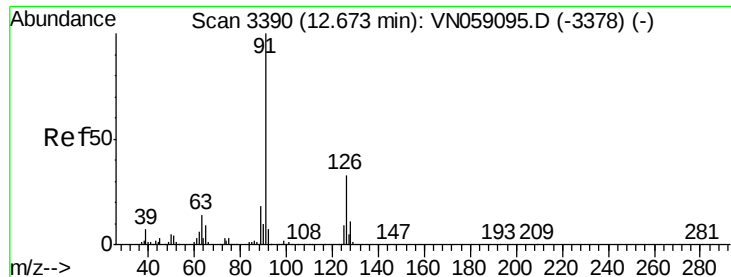
Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	91	Resp:	500457
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.501 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBSD01

Tot Ion: 91 Resp: 300965

Ion Ratio Lower Upper

91 100

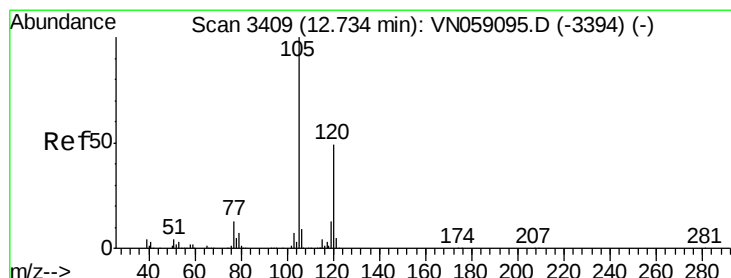
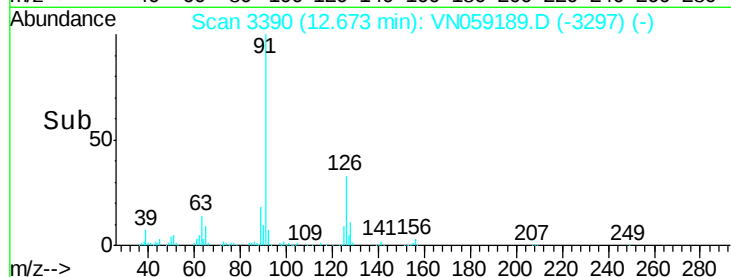
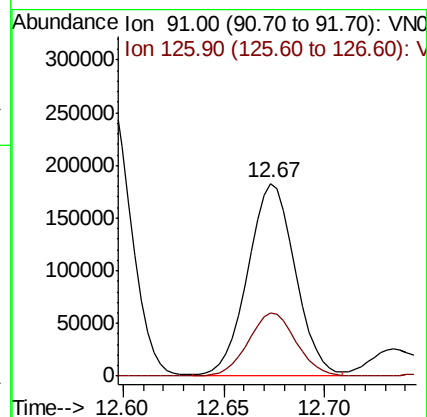
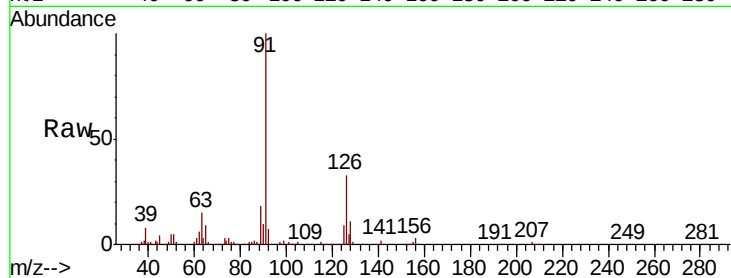
126 33.2 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.733 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059189.D

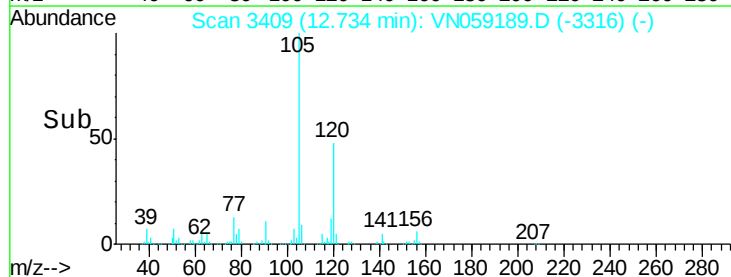
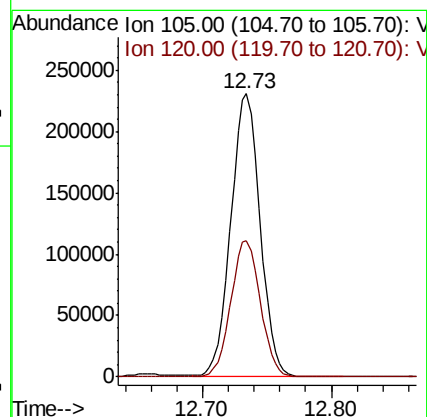
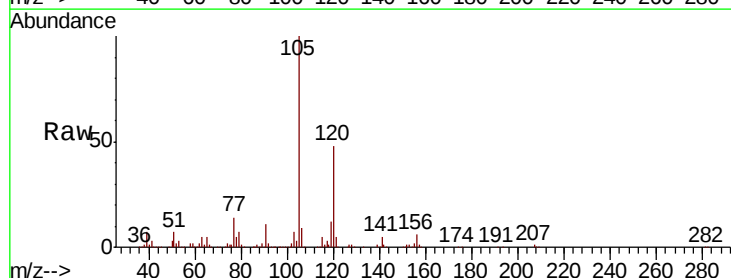
Acq: 12 Nov 2019 14:45

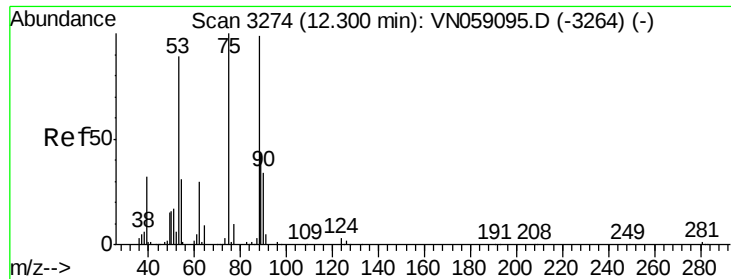
Tgt Ion: 105 Resp: 363099

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.160 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

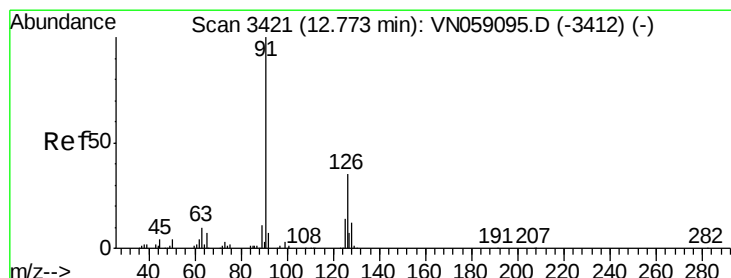
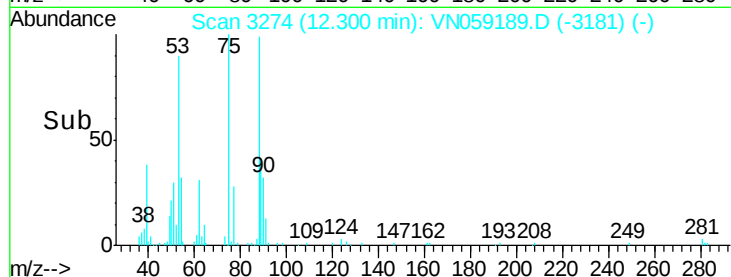
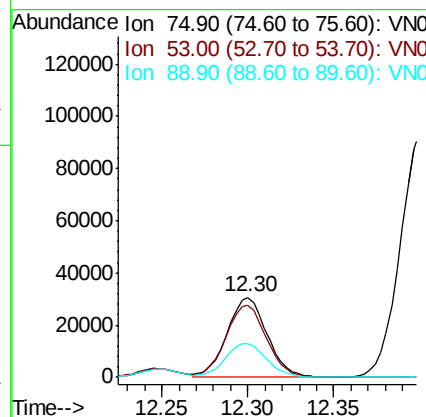
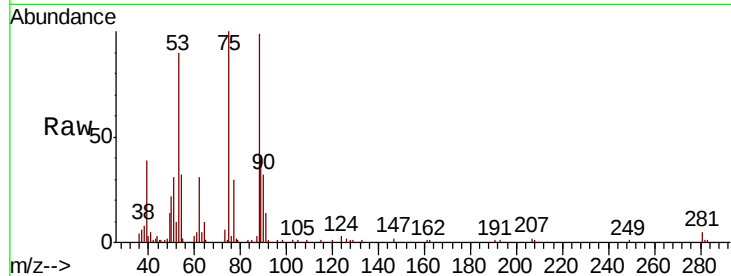
ClientSampleId :

VN1112MBSD01

Tot Ion:	75	Resp:	49374
Ion	Ratio	Lower	Upper
75	100		
53	92.9	72.2	108.2
89	43.9	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.493 ug/l

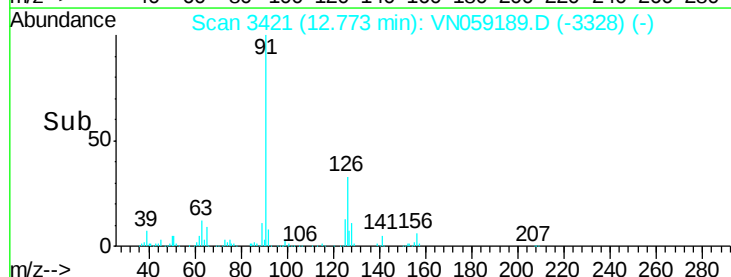
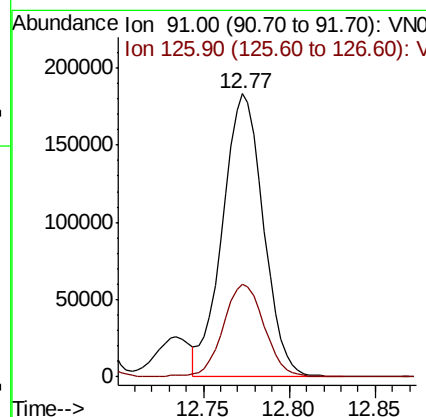
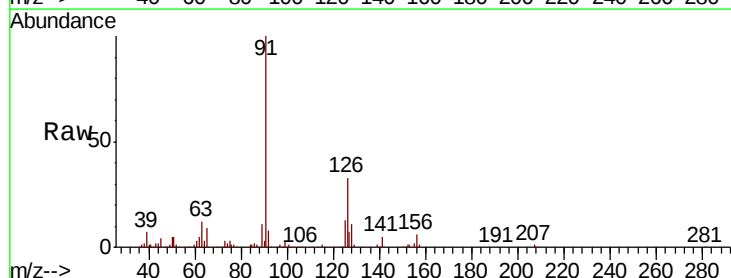
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	91	Resp:	301749
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.2





#83

tert-Butylbenzene

Concen: 20.418 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

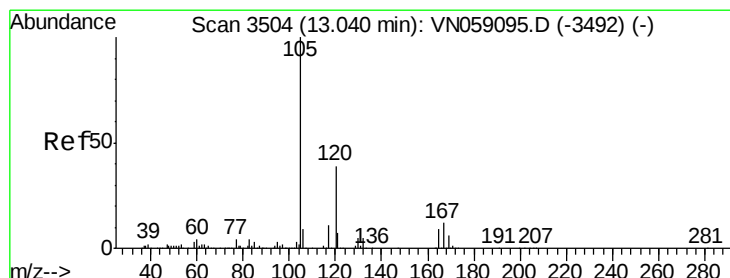
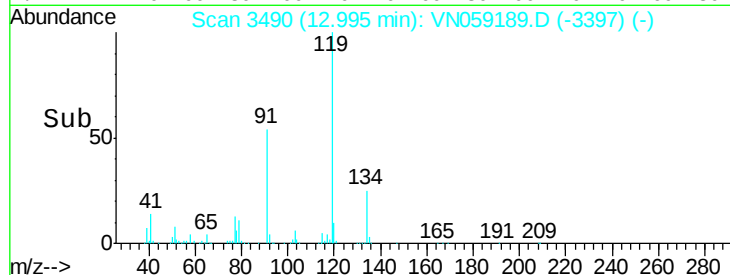
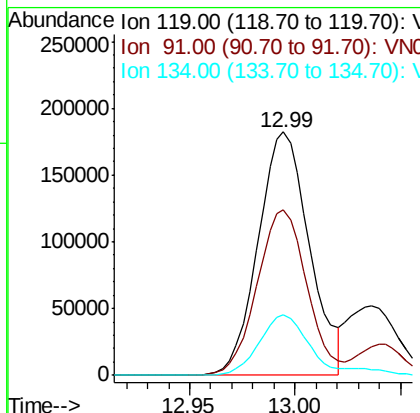
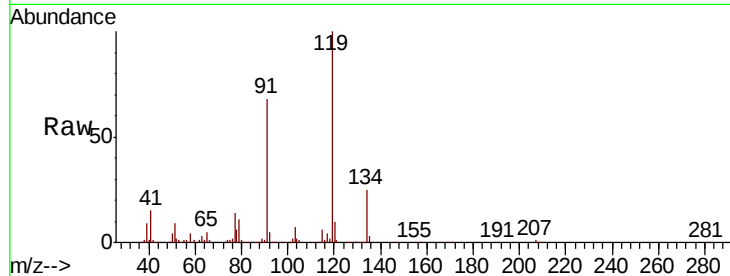
ClientSampleId :

VN1112MBSD01

Tot Ion:	119	Resp:	308812
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.2	99.6
134	23.8	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.416 ug/l

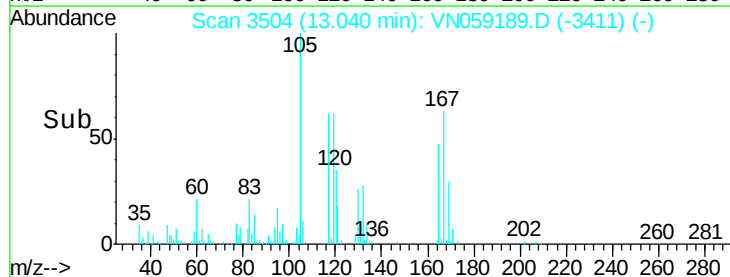
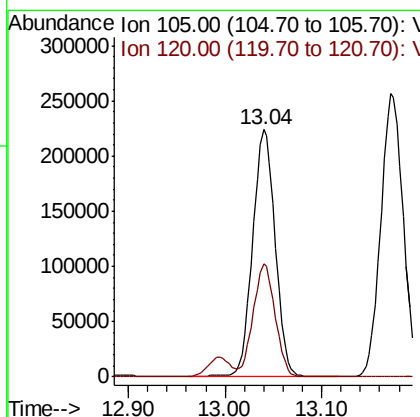
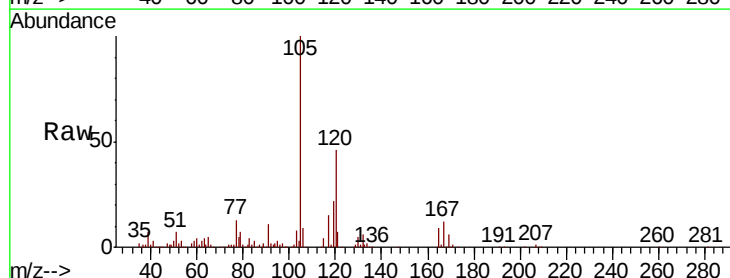
RT: 13.04 min Scan# 3504

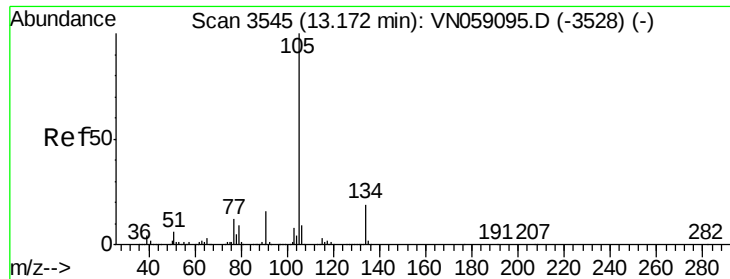
Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	105	Resp:	362882
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.8	68.4





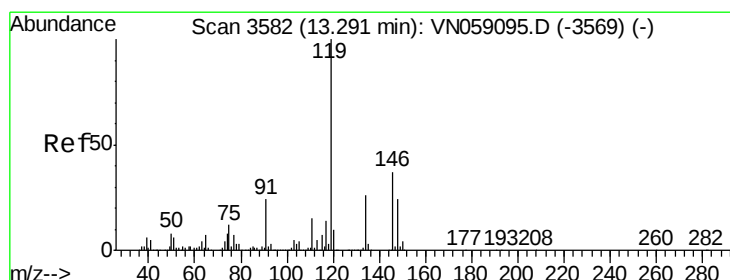
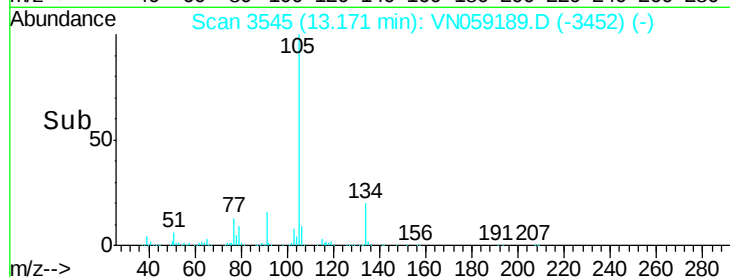
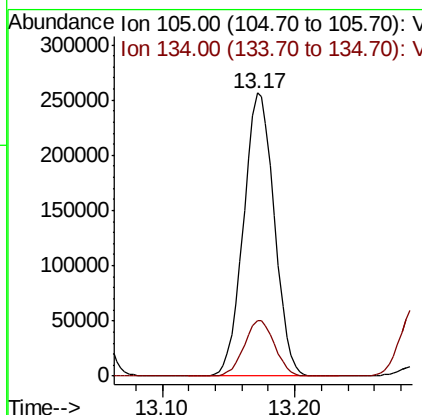
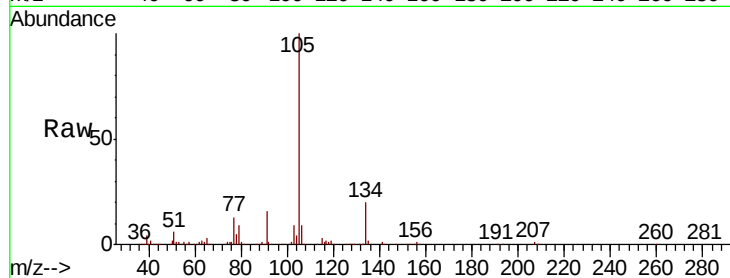
#85
 sec-Butylbenzene
 Concen: 20.872 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

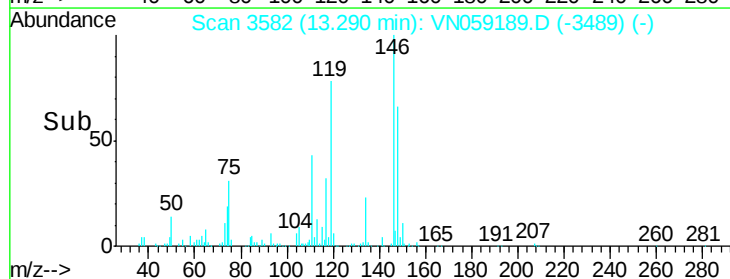
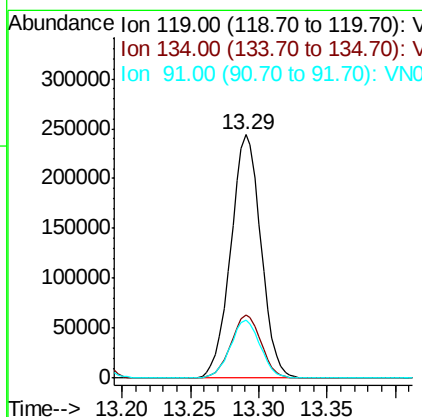
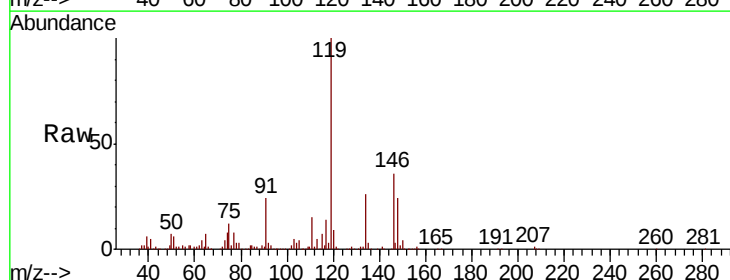
Manual Integrations
 APPROVED

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#86
 p-Isopropyltoluene
 Concen: 21.419 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	38.9
91	23.4	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 19.997 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Instrument :

MSVOA_N

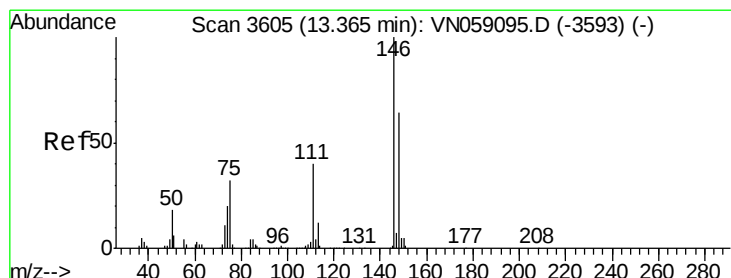
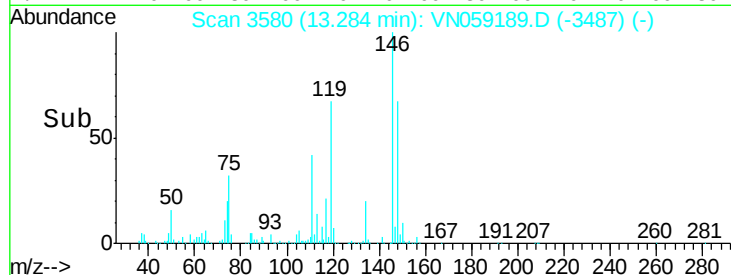
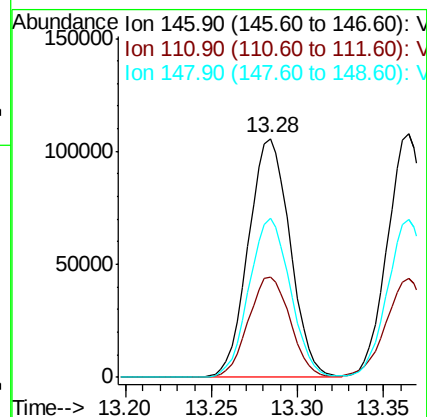
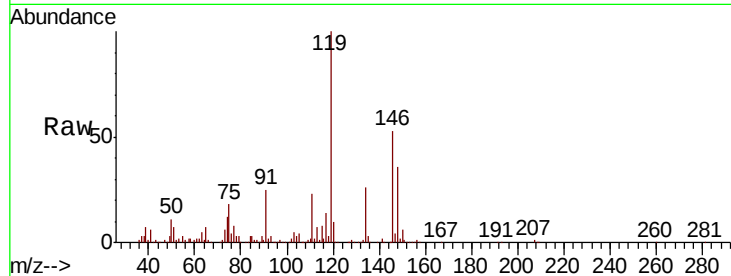
ClientSampleId :

VN1112MBSD01

Tot Ion:	146	Resp:	177812
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.4	61.3
148	66.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.137 ug/l

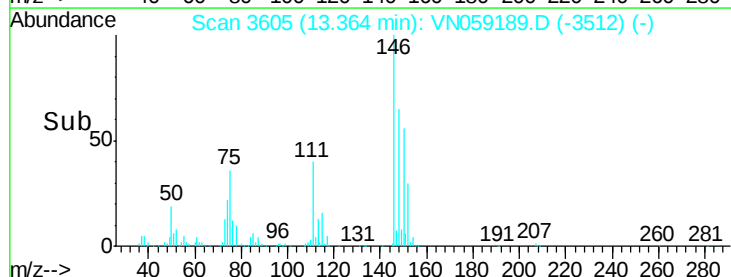
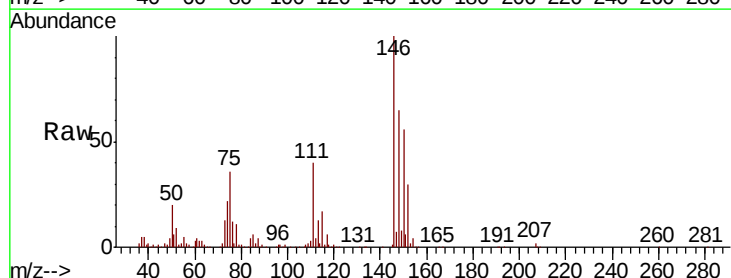
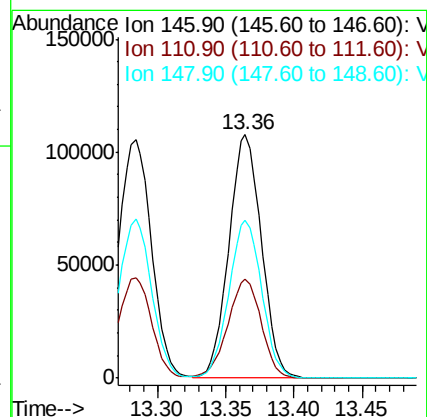
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059189.D

Acq: 12 Nov 2019 14:45

Tgt Ion:	146	Resp:	179153
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.3	60.9
148	64.9	31.9	95.7





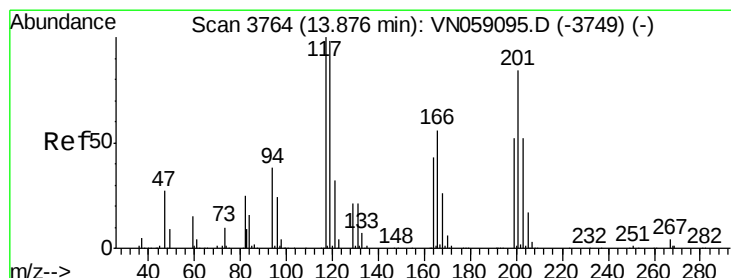
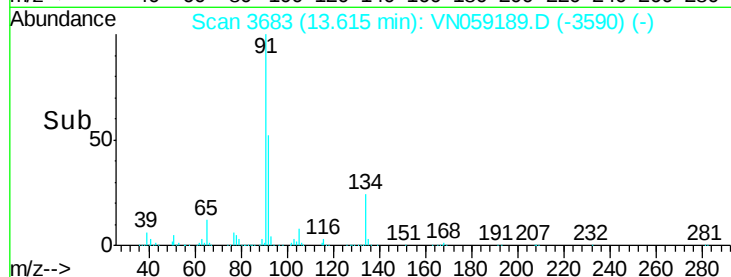
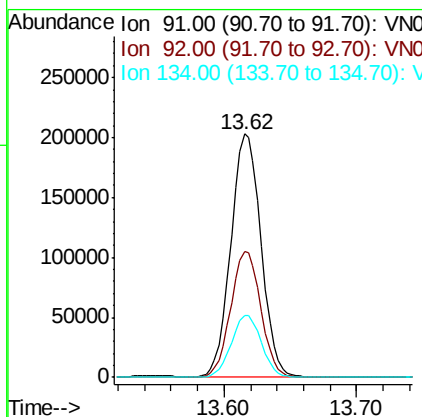
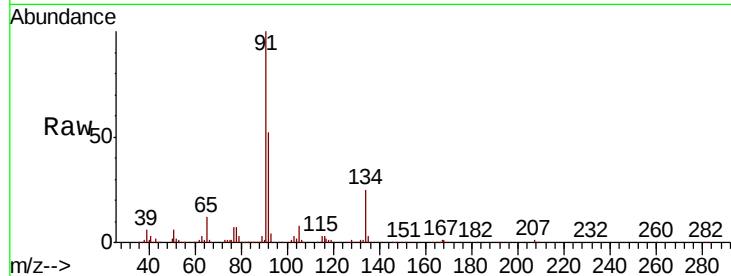
#89
n-Butylbenzene
Concen: 20.995 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.6	12.6	37.8

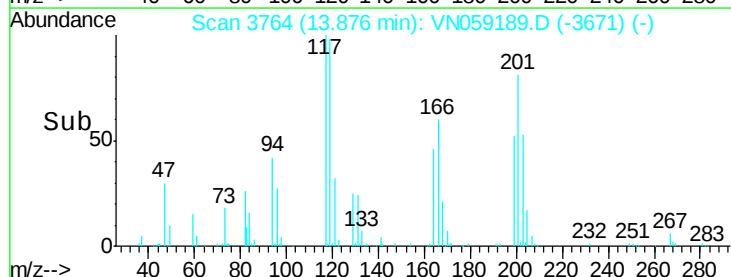
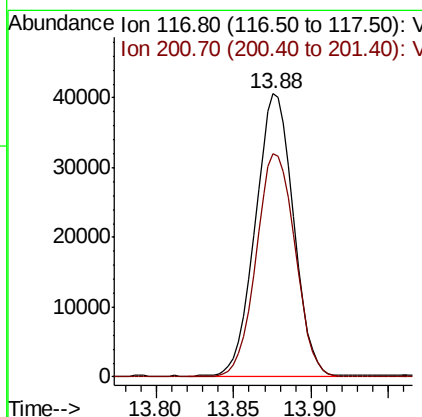
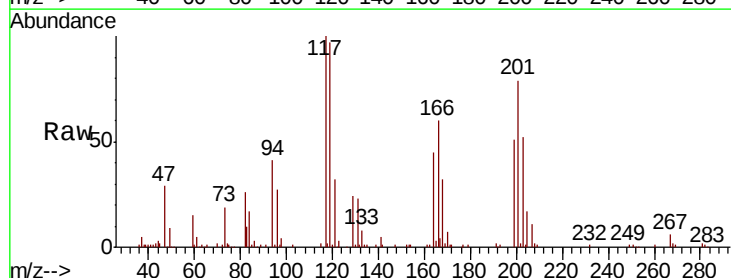
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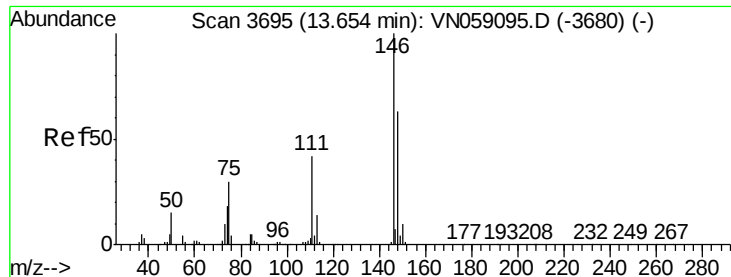
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#90
Hexachloroethane
Concen: 20.069 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	41.8	125.3





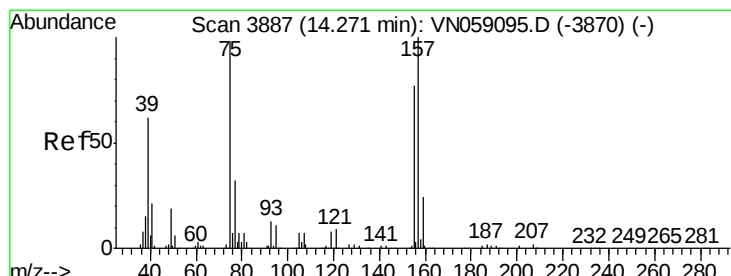
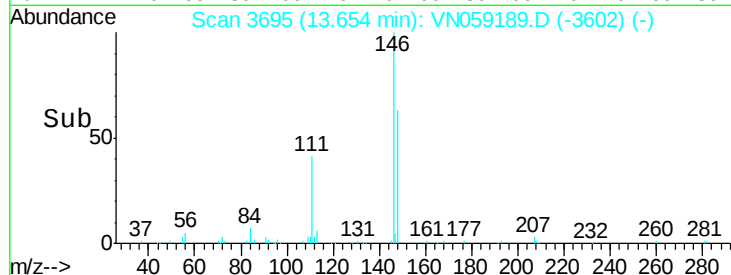
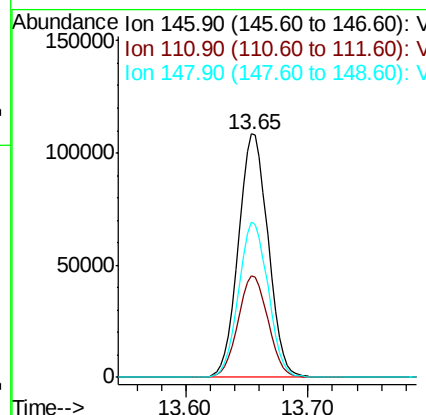
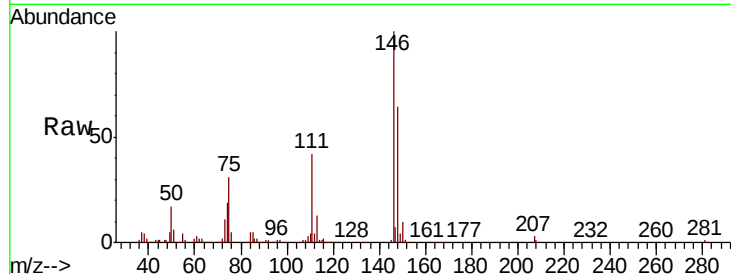
#91
 1,2-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Tot Ion:	146	Resp:	183206
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.2	63.6
148	63.7	31.6	94.7

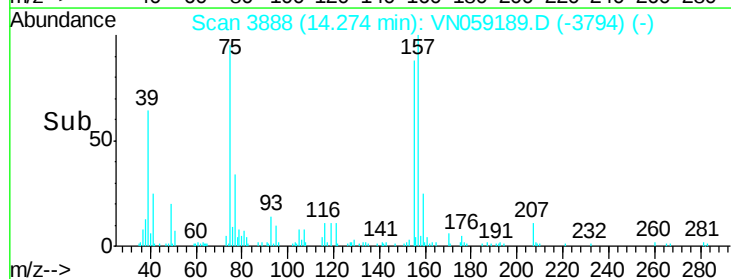
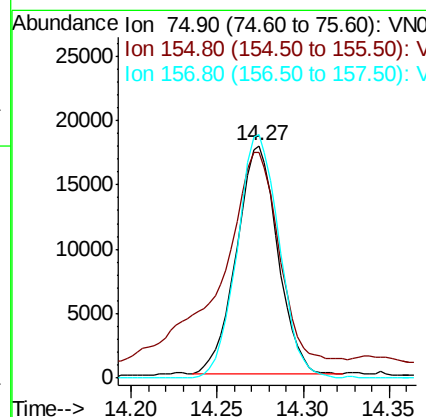
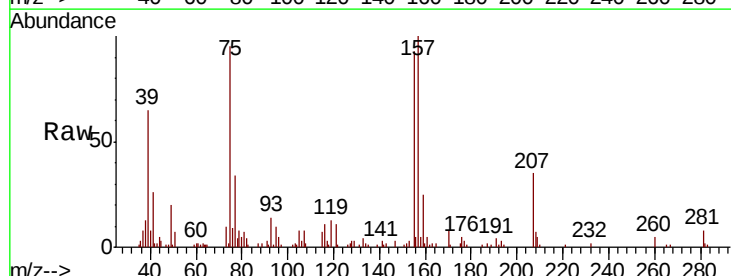
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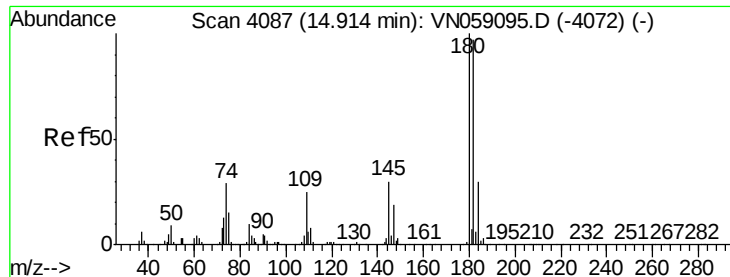
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.971 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059189.D
 Acq: 12 Nov 2019 14:45

Tgt Ion:	75	Resp:	29427
Ion Ratio	Lower	Upper	
75	100		
155	156.8	40.2	120.6#
157	109.1	51.8	155.5





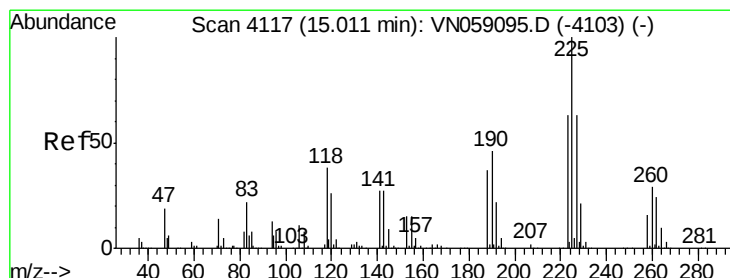
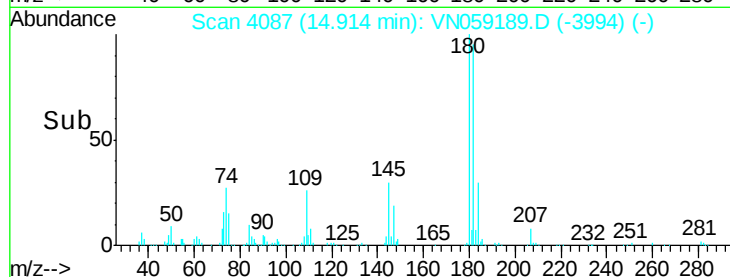
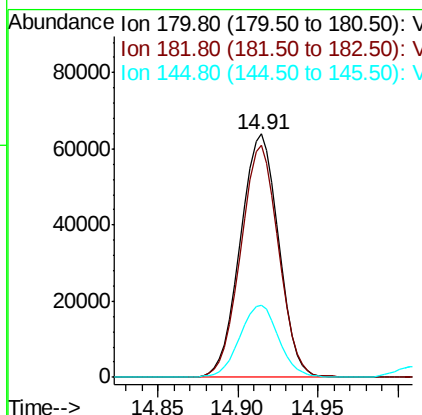
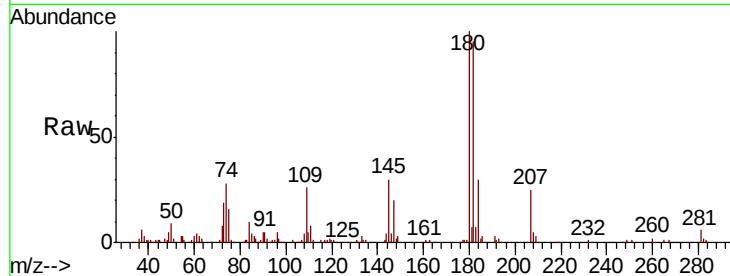
#93
1,2,4-Trichlorobenzene
Concen: 21.506 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104324		
182	94.3	48.1	144.3	
145	30.3	15.1	45.3	

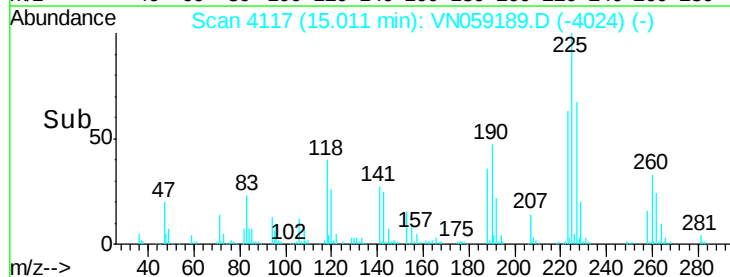
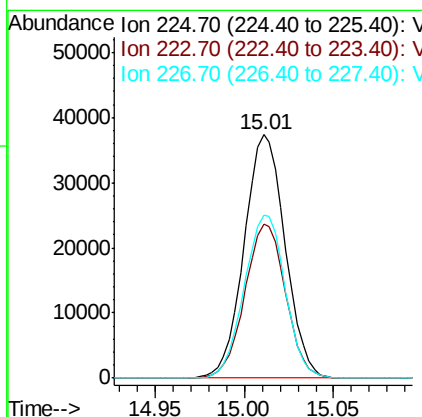
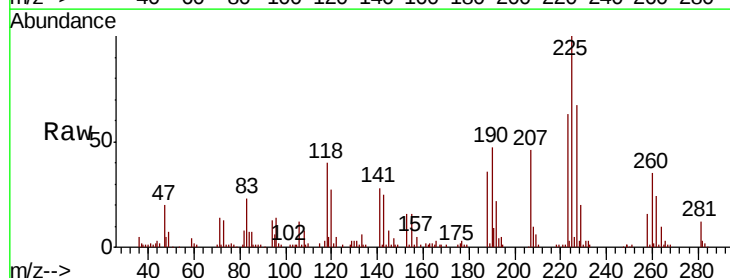
Manual Integrations
APPROVED

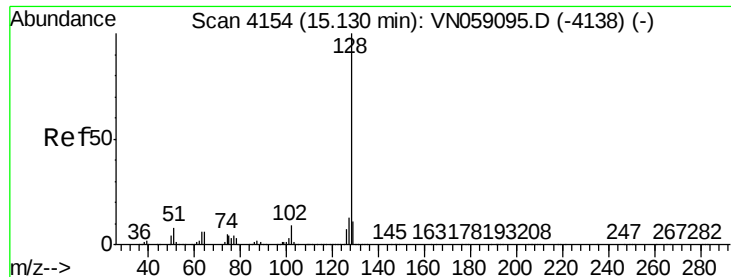
MMDadoda
11/13/2019 12:07:40 PM



#94
Hexachlorobutadiene
Concen: 19.846 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59857		
223	62.8	31.3	93.9	
227	66.9	31.5	94.5	





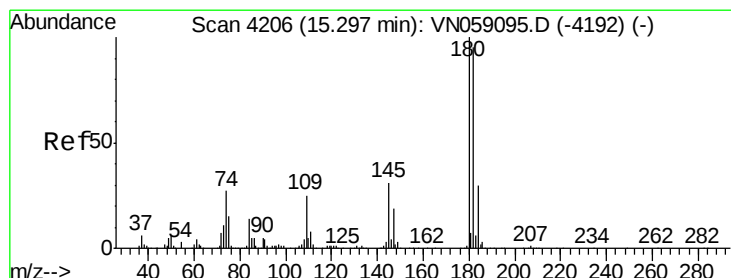
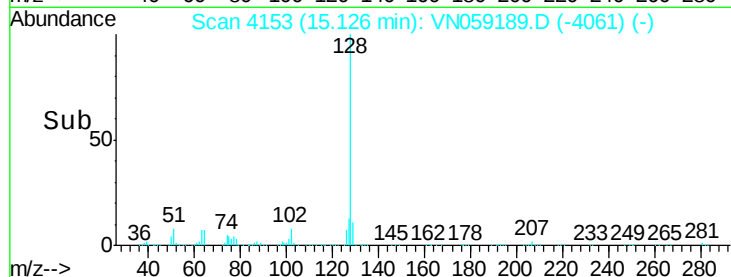
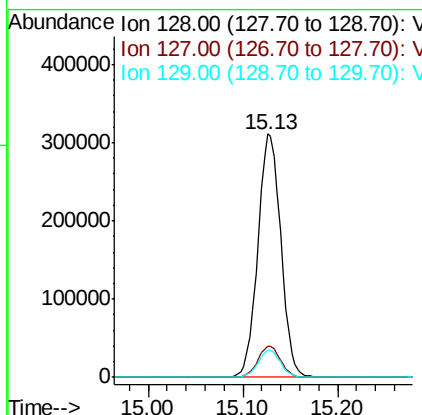
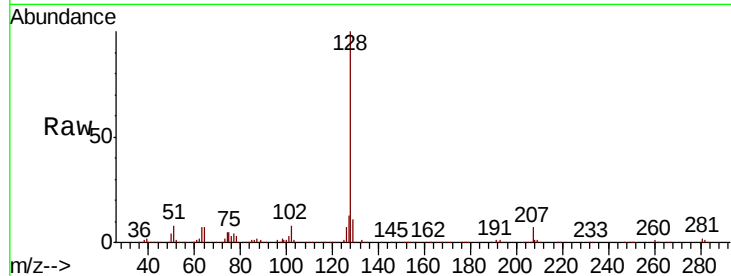
#95
Naphthalene
Concen: 36.564 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.596 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059189.D
Acq: 12 Nov 2019 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.3	141.8
145	33.0	15.8	47.3

