

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062178.D
 Acq On : 27 Jun 2020 7:29
 Operator : JC/MD
 Sample : L3088-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:59 PM

Quant Time: Jun 29 00:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178566	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	164162	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.55	113	129535	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.06	98	519741	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.37	95	177877	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	163171	65.911	ug/l	100
3) Chloromethane	2.03	50	151202	51.930	ug/l	98
4) Vinyl Chloride	2.16	62	556325	142.698	ug/l	99
5) Bromomethane	2.50	94	120879	47.974	ug/l	98
6) Chloroethane	2.65	64	127165	47.749	ug/l	100
7) Trichlorofluoromethane	2.97	101	228016	47.465	ug/l	97
8) Diethyl Ether	3.37	74	88145	52.547	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	209933	83.451	ug/l	99
10) Methyl Iodide	3.91	142	148657	52.470	ug/l	100
11) Tert butyl alcohol	4.74	59	116487	263.964	ug/l	99
12) 1,1-Dichloroethene	3.69	96	155316	61.759	ug/l	99
13) Acrolein	3.56	56	120734	279.440	ug/l	98
14) Allyl chloride	4.27	41	178420	52.109	ug/l	98
15) Acrylonitrile	4.93	53	321750	267.555	ug/l	99
16) Acetone	3.77	43	258300	268.029	ug/l	96
17) Carbon Disulfide	4.00	76	354647	49.235	ug/l	99
18) Methyl Acetate	4.27	43	113906	46.619	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	433321	53.922	ug/l	98
20) Methylene Chloride	4.50	84	155927	55.286	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	154350	53.875	ug/l	95
22) Diisopropyl ether	5.90	45	420923	53.992	ug/l	98
23) Vinyl Acetate	5.84	43	1472567	231.352	ug/l	98
24) 1,1-Dichloroethane	5.80	63	259787	51.748	ug/l	100
25) 2-Butanone	6.79	43	406165	270.357	ug/l #	80
26) 2,2-Dichloropropane	6.78	77	136035	32.518	ug/l #	1
27) cis-1,2-Dichloroethene	6.78	96	6070536	1883.030	ug/l	87
28) Bromochloromethane	7.15	49	109105	50.090	ug/l	98
29) Tetrahydrofuran	7.17	42	268444	272.782	ug/l	100
30) Chloroform	7.33	83	261874	51.270	ug/l	100
31) Cyclohexane	7.61	56	211138	49.721	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	217921	50.592	ug/l	98
36) 1,1-Dichloropropene	7.75	75	197528	47.233	ug/l	98
37) Ethyl Acetate	6.88	43	148432	42.864	ug/l #	80
38) Carbon Tetrachloride	7.73	117	179706	45.580	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	231094	50.434	ug/l	100
40) Benzene	8.00	78	615715	48.305	ug/l	99
41) Methacrylonitrile	7.12	41	69894	43.536	ug/l	94
42) 1,2-Dichloroethane	8.08	62	208620	48.443	ug/l	100
43) Isopropyl Acetate	8.13	43	262931	46.577	ug/l	99
44) Trichloroethene	8.81	130	12783031	3975.655	ug/l	97
45) 1,2-Dichloropropane	9.08	63	165643	52.675	ug/l	99
46) Dibromomethane	9.17	93	106030	49.731	ug/l	99
47) Bromodichloromethane	9.37	83	218979	50.867	ug/l	98
48) Methyl methacrylate	9.17	41	141553	55.926	ug/l	95
49) 1,4-Dioxane	9.17	88	56231	1001.798	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	865657	262.466	ug/l	100
52) Toluene	10.12	92	389282	50.054	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	228727	48.293	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	245927	48.772	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	152896	50.012	ug/l	98
56) Ethyl methacrylate	10.40	69	221634	54.323	ug/l	100
57) 1,3-Dichloropropane	10.68	76	267648	50.863	ug/l	100
59) 2-Hexanone	10.72	43	628829	264.036	ug/l	99
60) Dibromochloromethane	10.87	129	162024	50.059	ug/l	98
61) 1,2-Dibromoethane	10.98	107	154562	49.203	ug/l	99
64) Tetrachloroethene	10.60	164	141870	53.568	ug/l	97
65) Chlorobenzene	11.41	112	406539	47.748	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	146359	49.712	ug/l	100
67) Ethyl Benzene	11.48	91	731091	50.843	ug/l	100
68) m/p-Xylenes	11.59	106	553538	99.526	ug/l	98
69) o-Xylene	11.92	106	267284	50.935	ug/l	98
70) Stvrene	11.94	104	450200	51.442	ug/l	99
71) Bromoform	12.10	173	101511	48.494	ug/l #	100
73) Isopropylbenzene	12.22	105	697585	50.468	ug/l	99
74) N-amyl acetate	12.05	43	218355	43.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221788	48.217	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	181628m	43.208	ug/l	
77) Bromobenzene	12.50	156	165629	48.265	ug/l	97
78) n-propylbenzene	12.57	91	805910	50.972	ug/l	100
79) 2-Chlorotoluene	12.65	91	475127	49.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	580975	51.849	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	64991	45.151	ug/l	99
82) 4-Chlorotoluene	12.75	91	497620	50.344	ug/l	97
83) tert-Butylbenzene	12.97	119	498375	51.971	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	585902	52.354	ug/l	99
85) sec-Butylbenzene	13.15	105	658169	51.942	ug/l	99
86) p-Isopropyltoluene	13.26	119	580706	52.308	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	292113	48.476	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	291454	46.921	ug/l	99
89) n-Butylbenzene	13.59	91	474334	51.393	ug/l	99
90) Hexachloroethane	13.85	117	112219	51.521	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	282502	48.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	37124	50.381	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	130641	51.177	ug/l	97

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	54657	49.297	ug/l	98
95) Naphthalene	15.10	128	392058	46.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	130757	50.095	ug/l	98

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

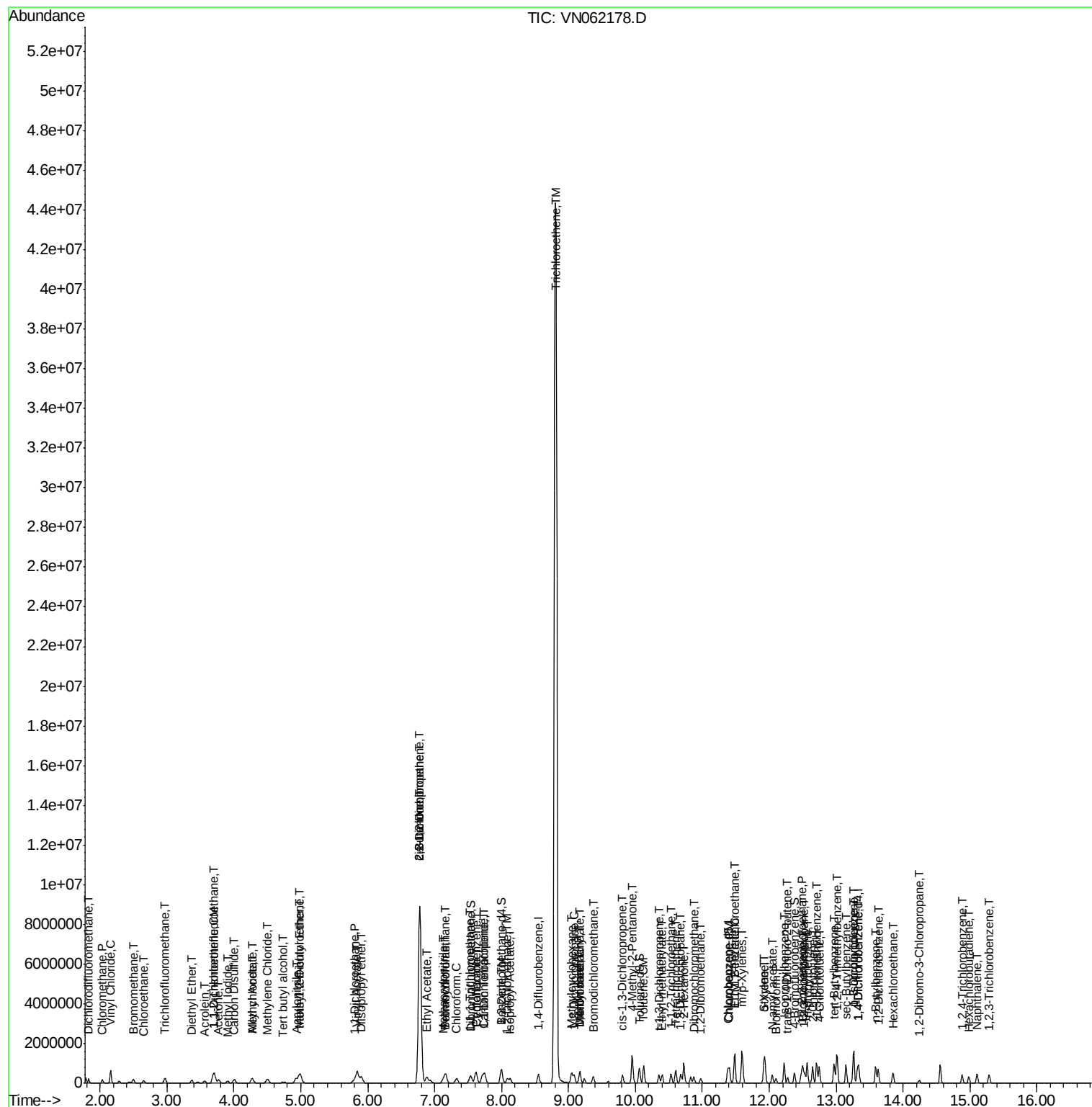
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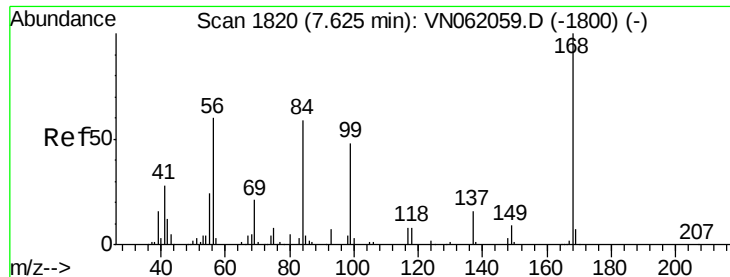
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion:168 Resp: 219020

Ion Ratio Lower Upper

168 100

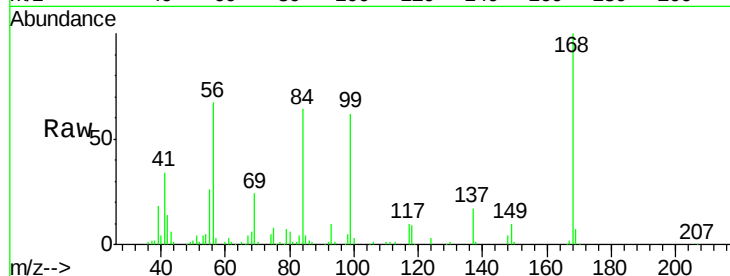
99 61.4 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

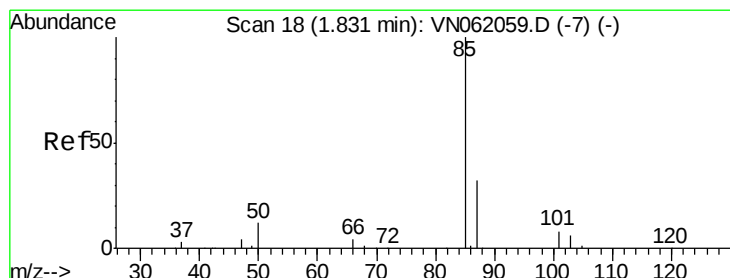
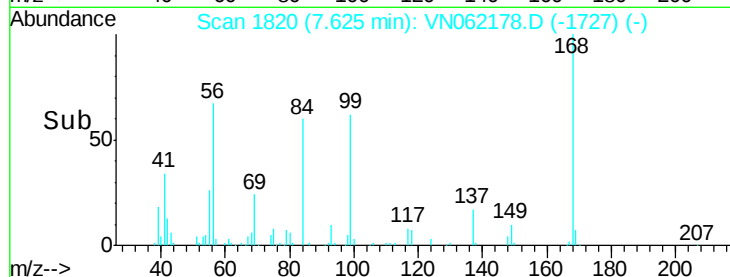
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 65.911 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062178.D

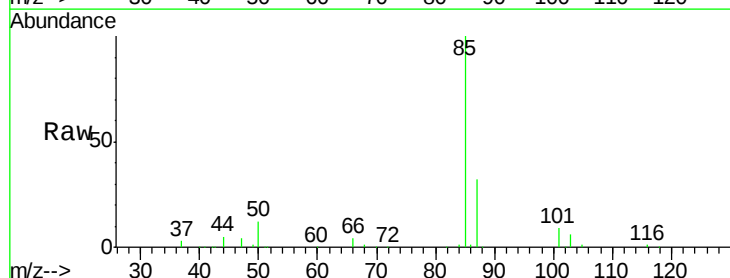
Acq: 27 Jun 2020 7:29

Tgt Ion: 85 Resp: 163171

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

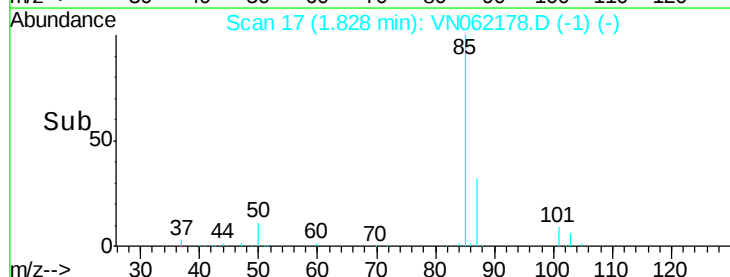
1.83

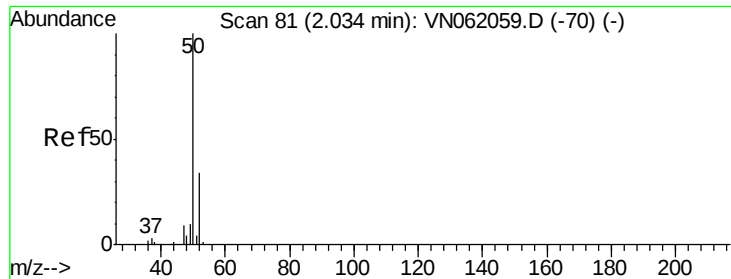
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 51.930 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 50 Resp: 151202

Ion Ratio Lower Upper

50 100

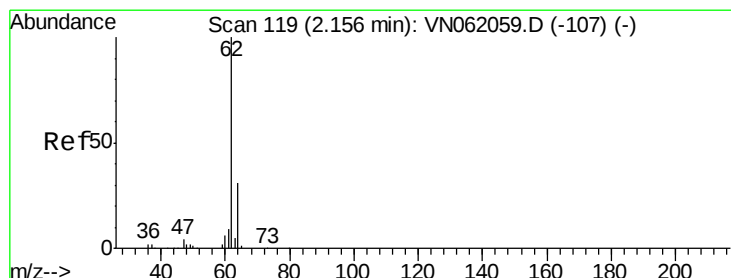
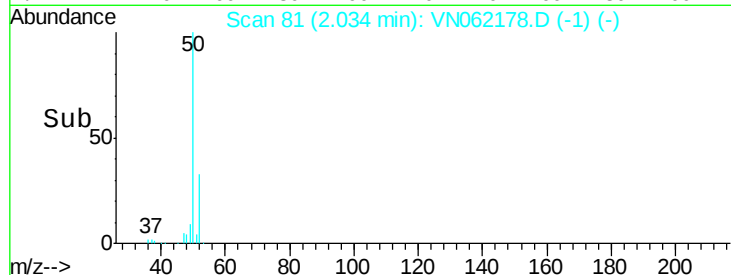
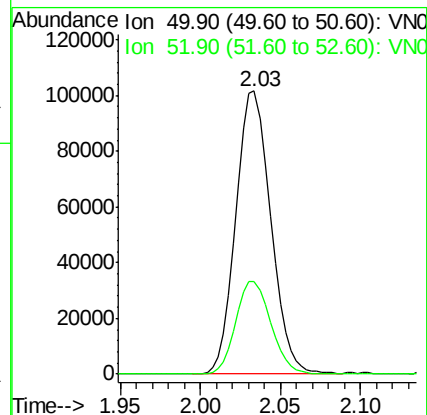
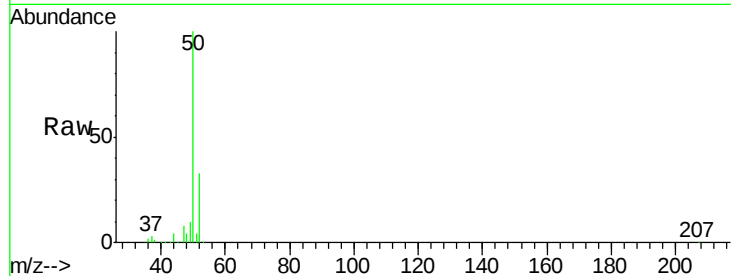
52 32.7 27.0 40.6

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#4

Vinyl Chloride

Concen: 142.698 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062178.D

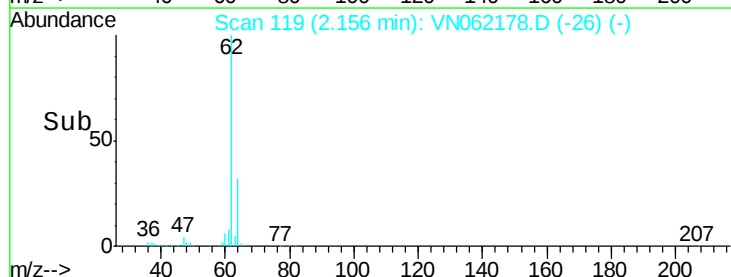
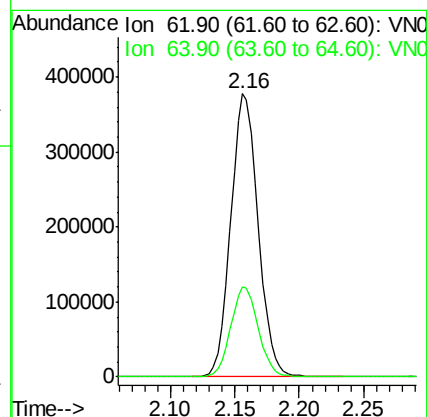
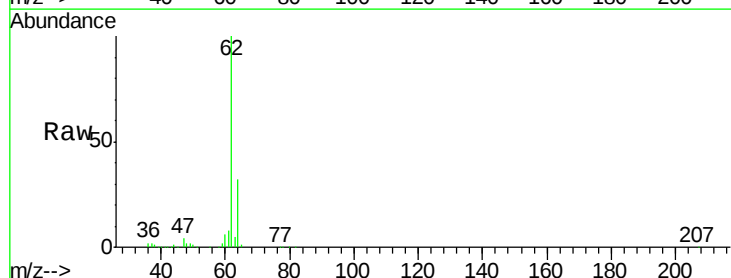
Acq: 27 Jun 2020 7:29

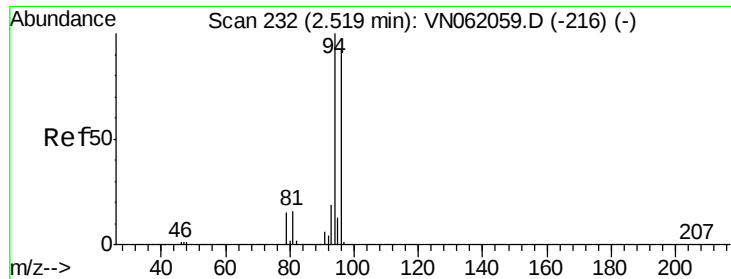
Tgt Ion: 62 Resp: 556325

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 47.974 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.02 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 120879

Ion Ratio Lower Upper

94 100

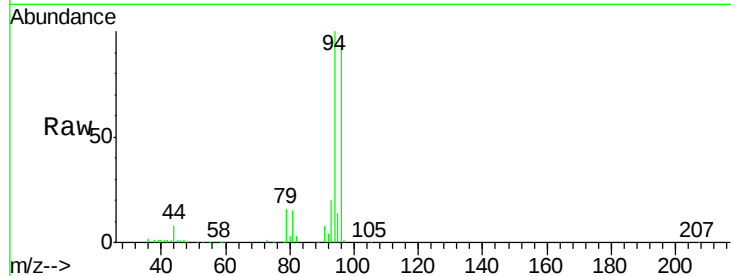
96 93.3 73.4 110.2

Manual Integrations

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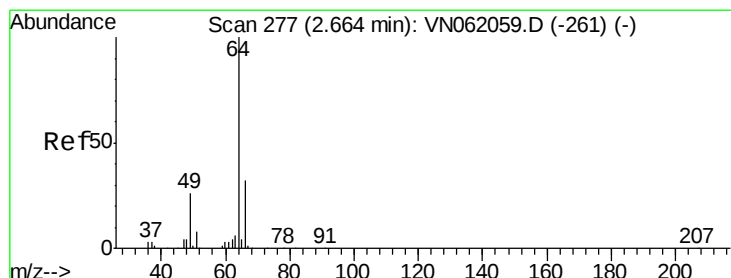
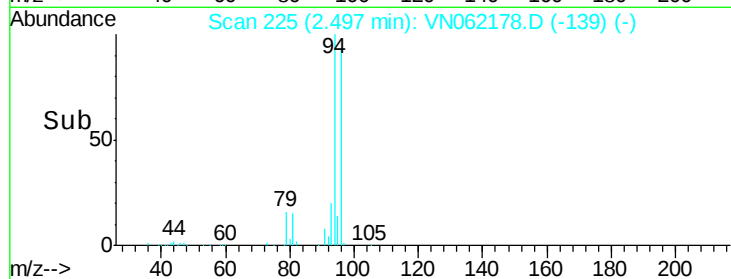
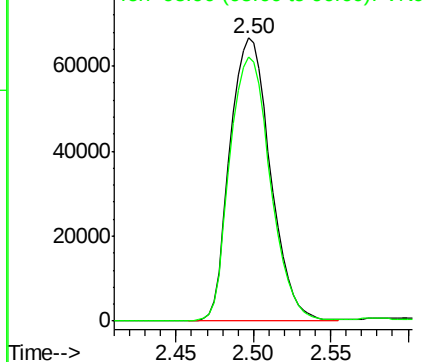
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.749 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.02 min

Lab File: VN062178.D

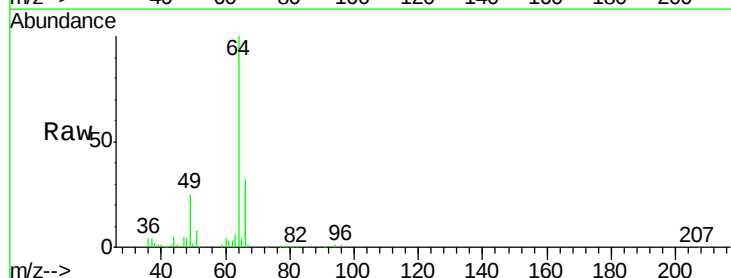
Acq: 27 Jun 2020 7:29

Tgt Ion: 64 Resp: 127165

Ion Ratio Lower Upper

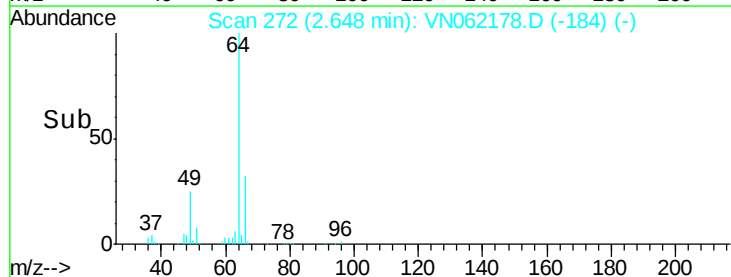
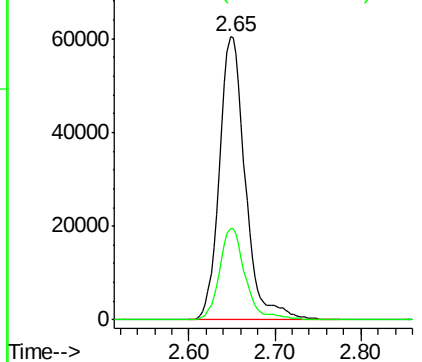
64 100

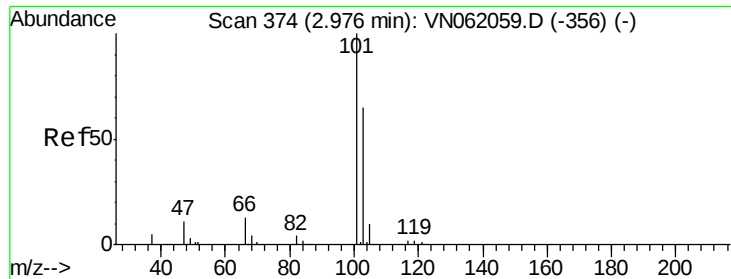
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

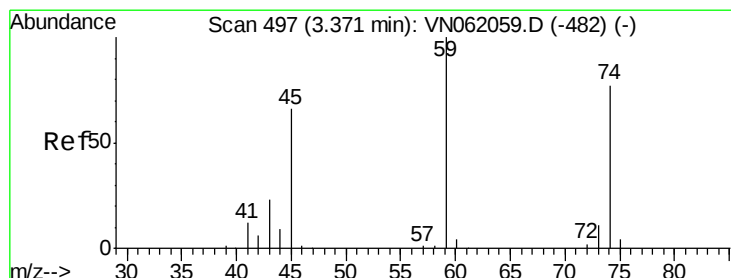
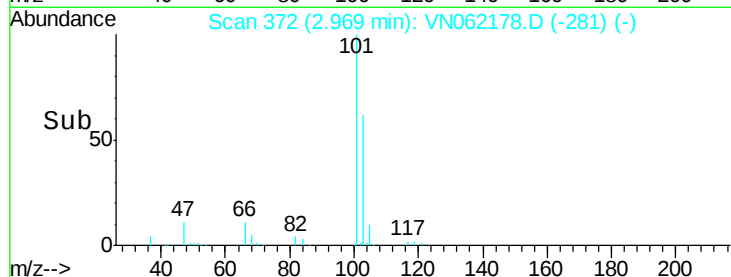
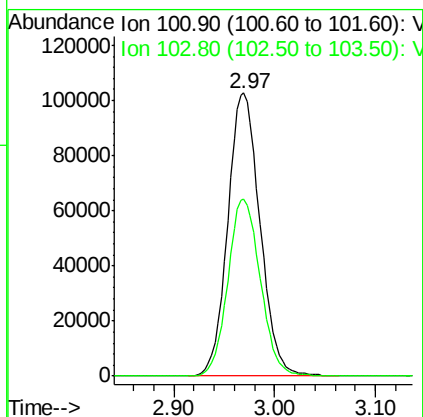
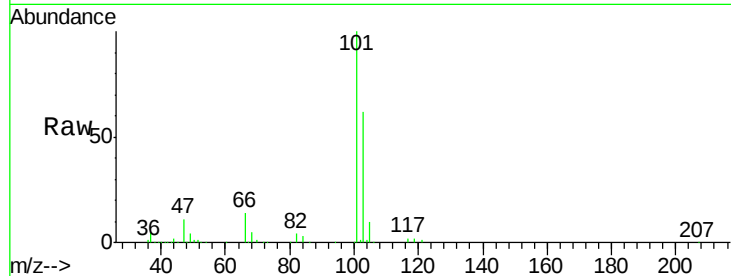
Trichlorofluoromethane
Concen: 47.465 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.01 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6

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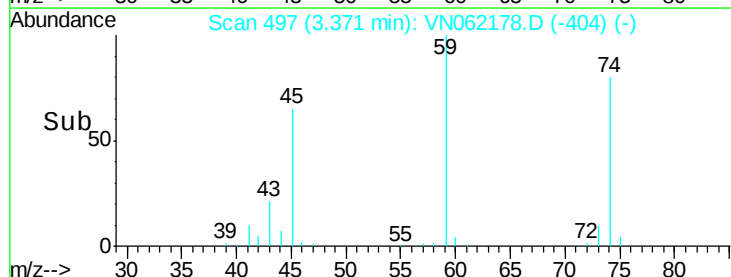
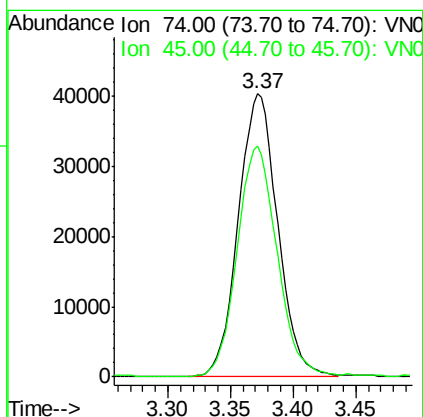
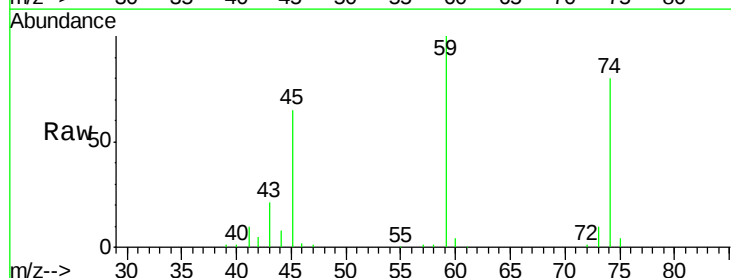
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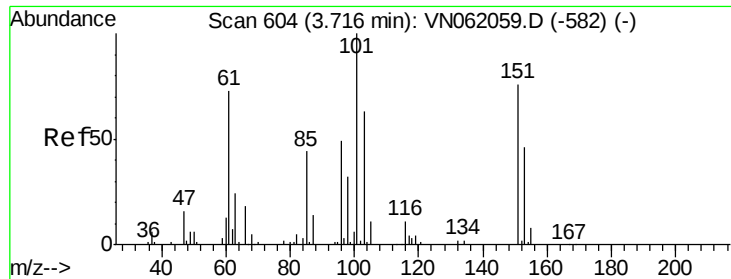


#8

Diethyl Ether
Concen: 52.547 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.7	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.451 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

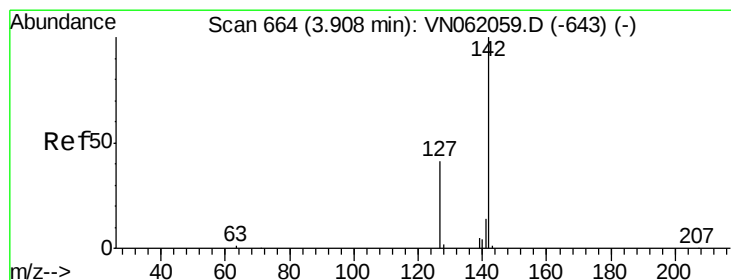
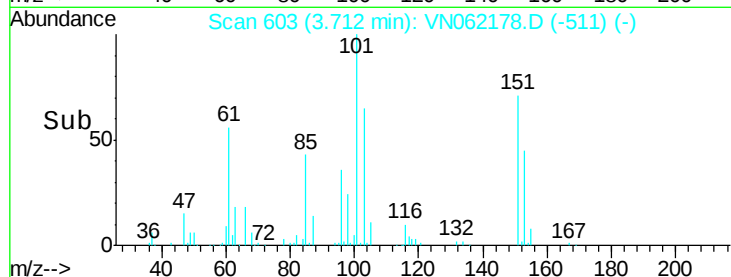
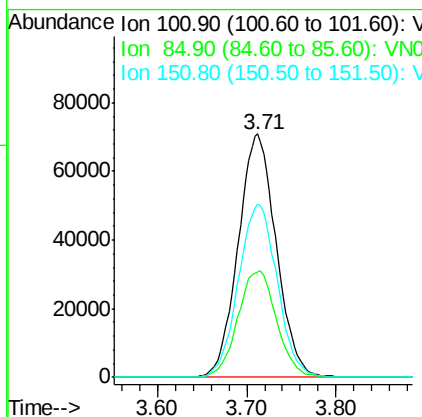
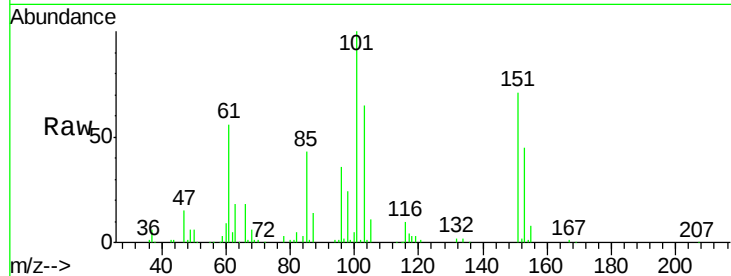
ClientSampleId :

56BR-20200622MSD

Tot Ion:	101	Resp:	209933
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.5	51.7
151	72.6	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.470 ug/l

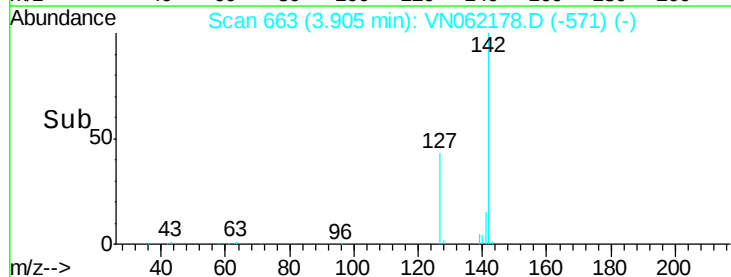
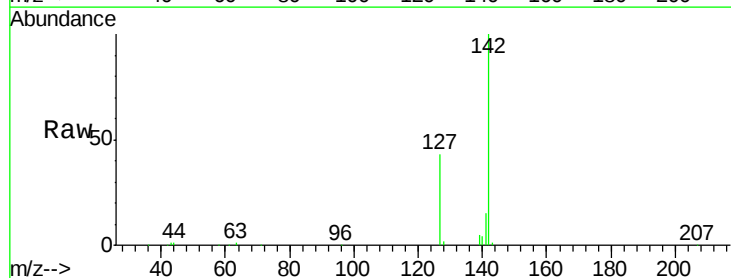
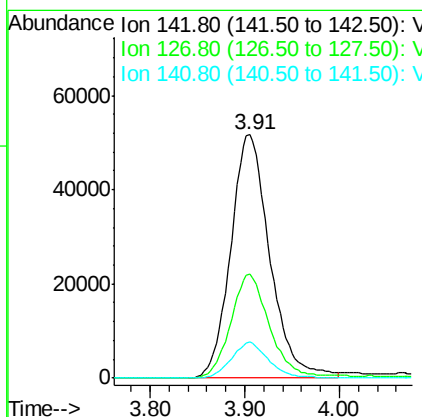
RT: 3.91 min Scan# 663

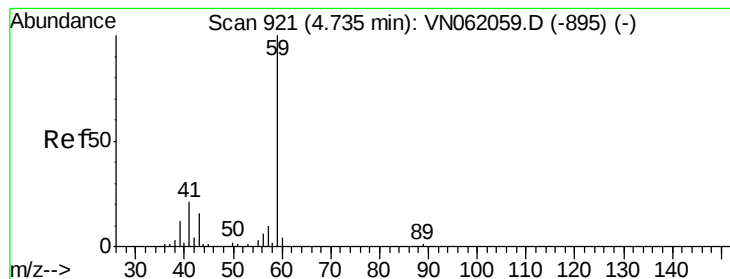
Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	142	Resp:	148657
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.6	50.4
141	14.0	11.3	16.9





#11

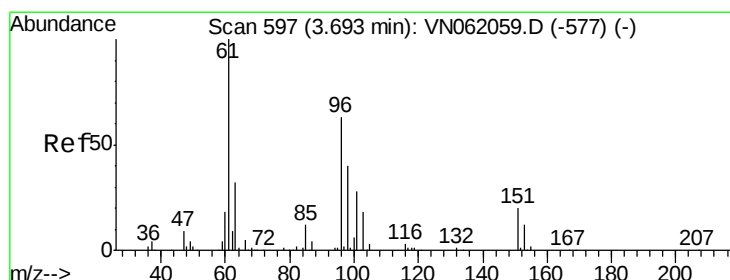
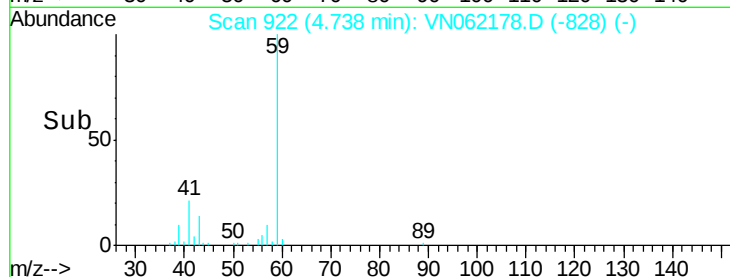
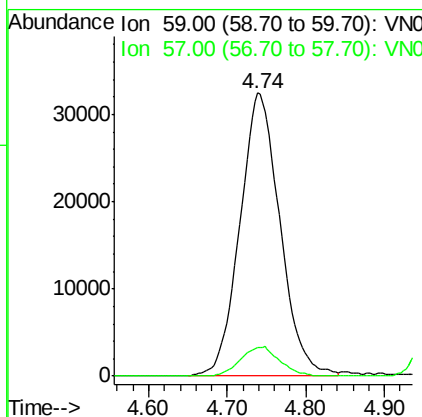
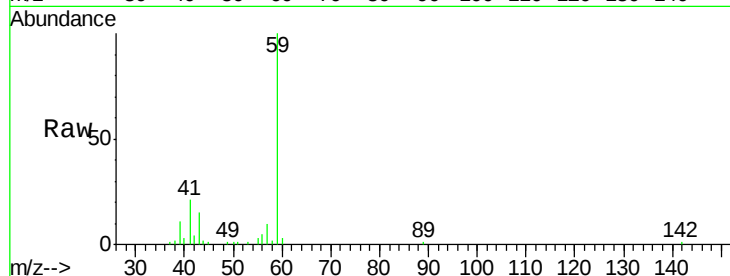
Tert butyl alcohol
Concen: 263.964 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

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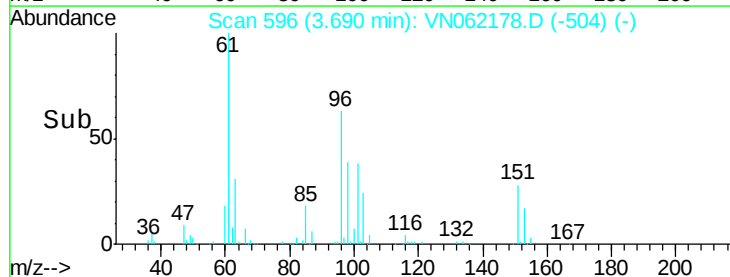
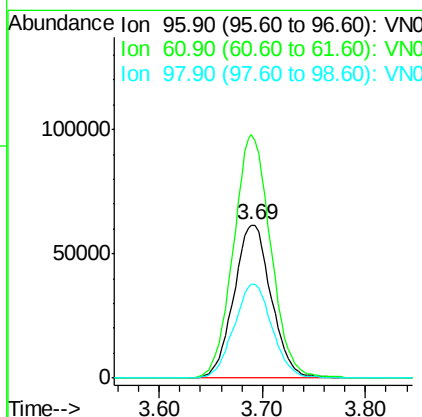
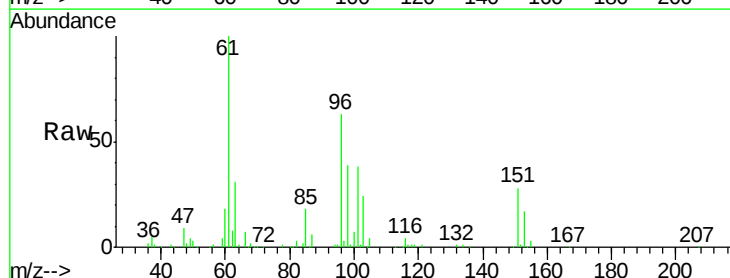
MMDadoda
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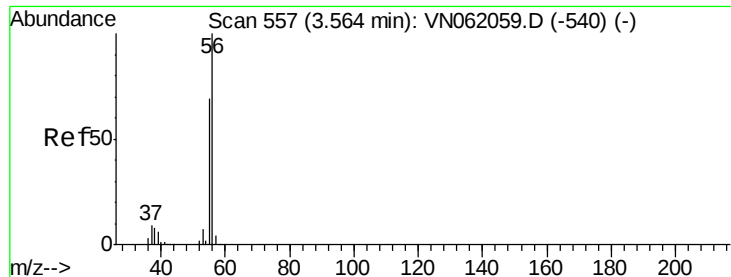


#12

1,1-Dichloroethene
Concen: 61.759 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	126.7	190.1
98	61.6	51.0	76.4





#13

Acrolein

Concen: 279.440 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 56 Resp: 120734

Ion Ratio Lower Upper

56 100

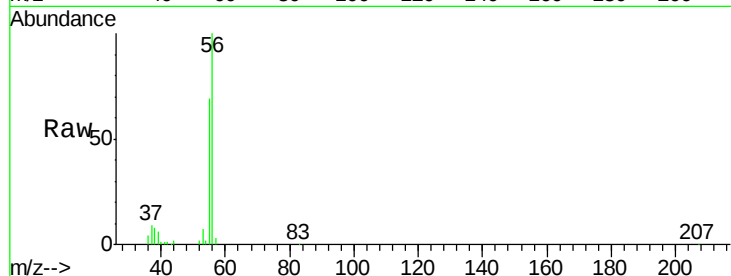
55 70.9 55.5 83.3

Manual Integrations

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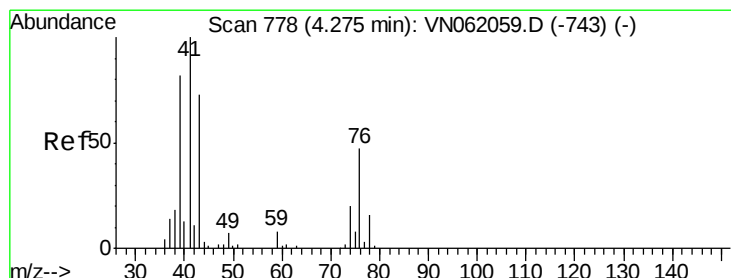
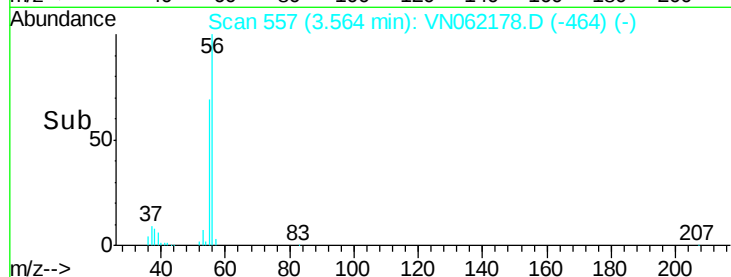
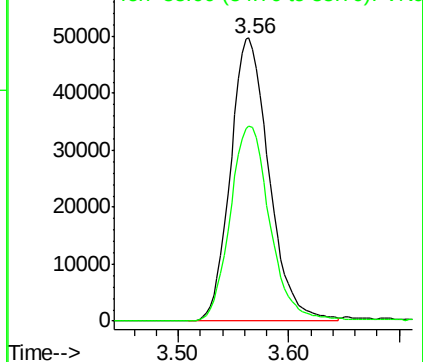
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 52.109 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

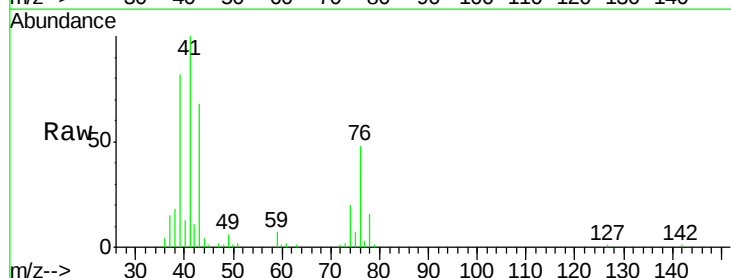
Tgt Ion: 41 Resp: 178420

Ion Ratio Lower Upper

41 100

39 73.4 60.0 90.0

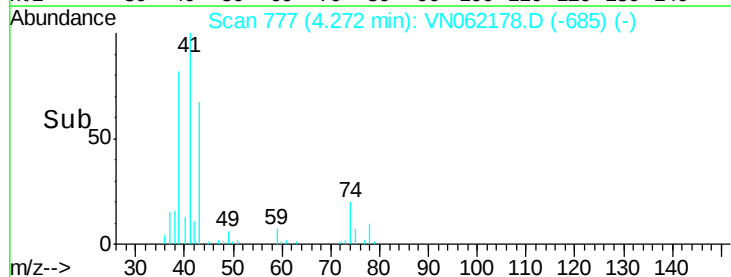
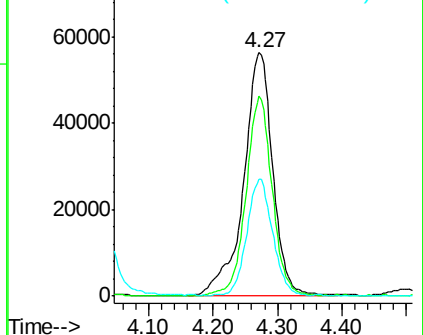
76 41.5 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 267.555 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

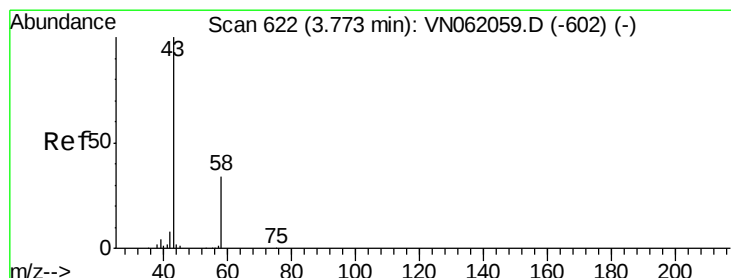
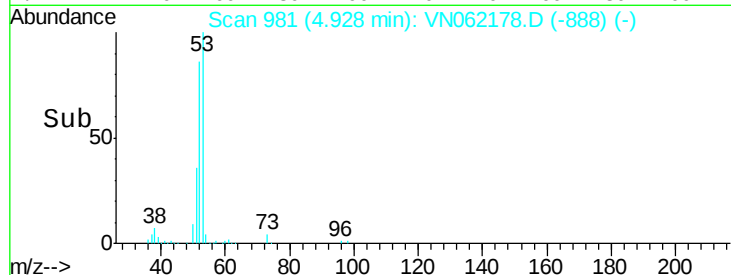
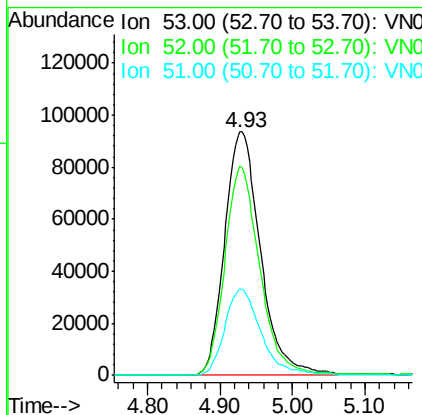
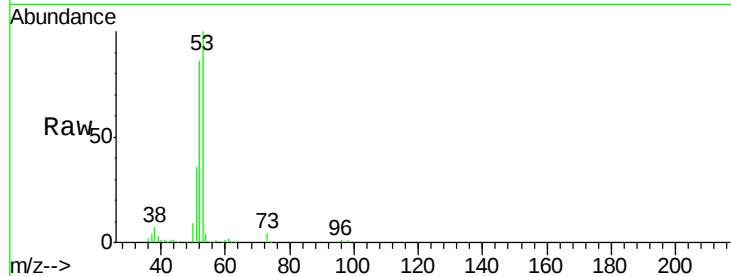
ClientSampleId :

56BR-20200622MSD

Tot Ion:	53	Resp:	321750
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.2	99.4
51	35.7	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 268.029 ug/l

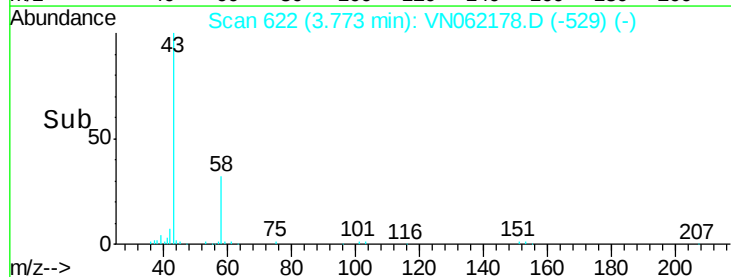
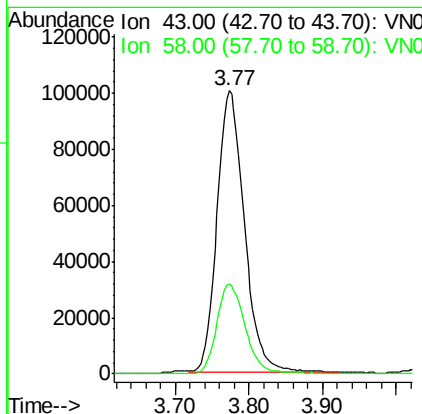
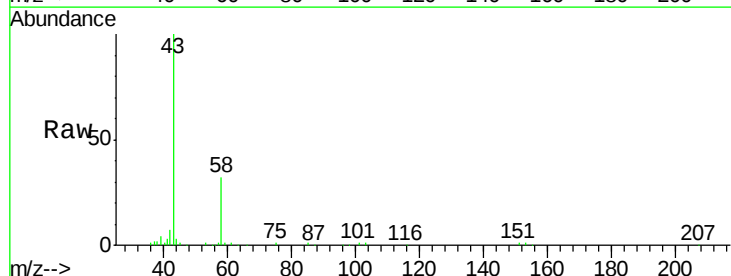
RT: 3.77 min Scan# 622

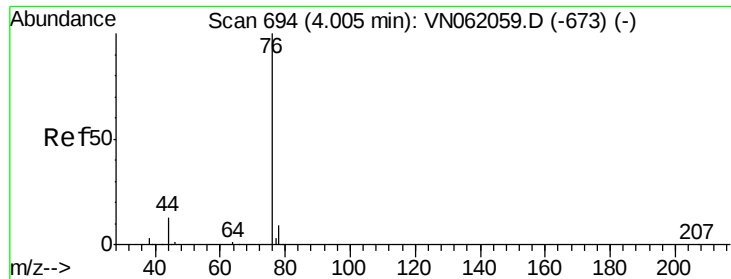
Delta R.T. 0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	43	Resp:	258300
Ion Ratio		Lower	Upper
43	100		
58	31.9	27.5	41.3





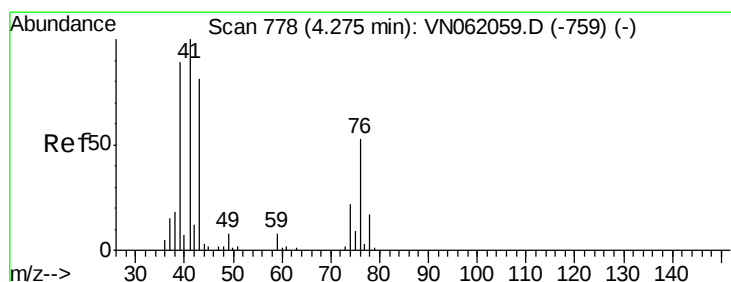
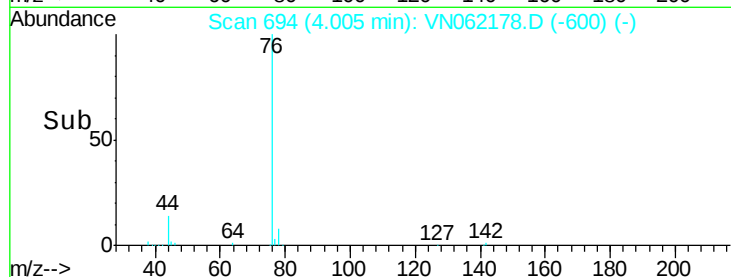
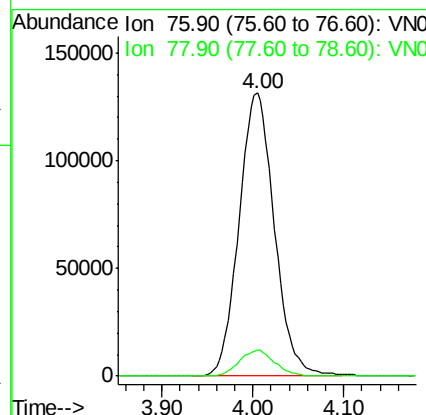
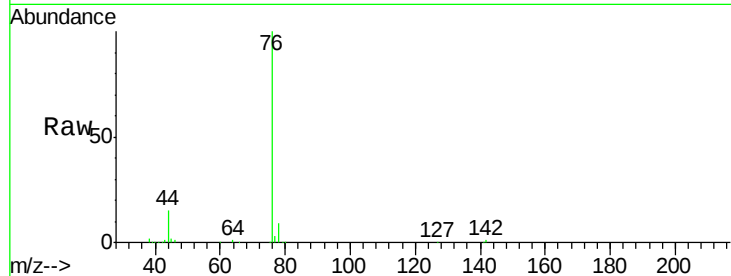
#17
Carbon Disulfide
Concen: 49.235 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

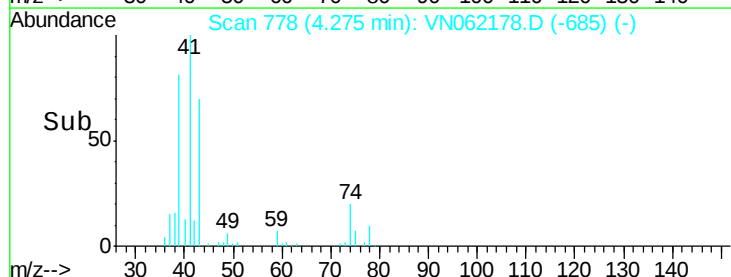
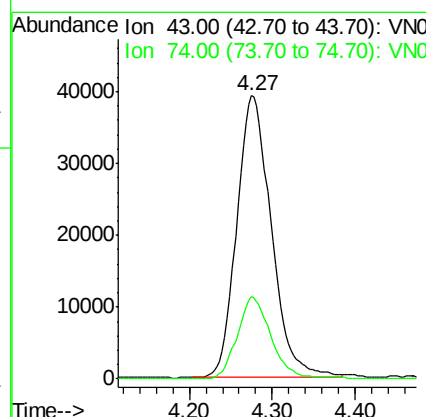
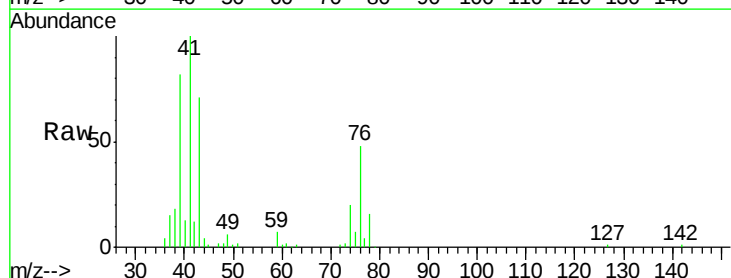
Manual Integrations
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MMDadoda
6/29/2020 12:35:59 PM



#18
Methyl Acetate
Concen: 46.619 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	22.9	34.3





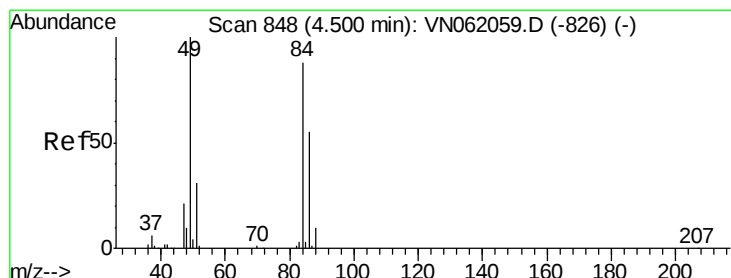
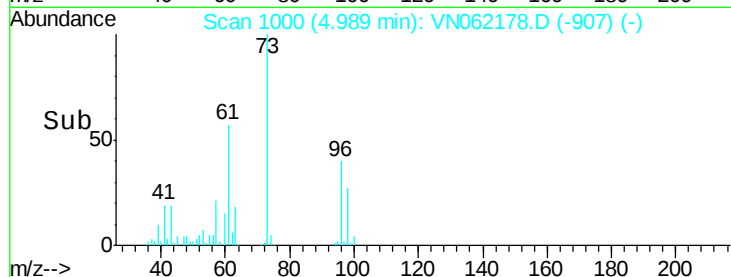
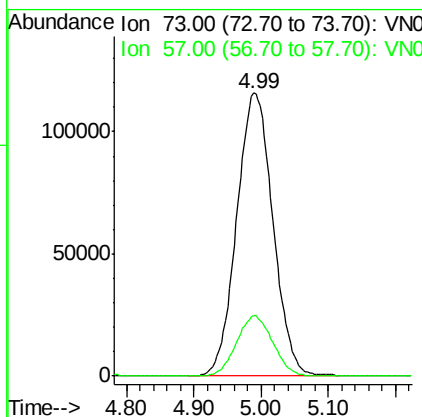
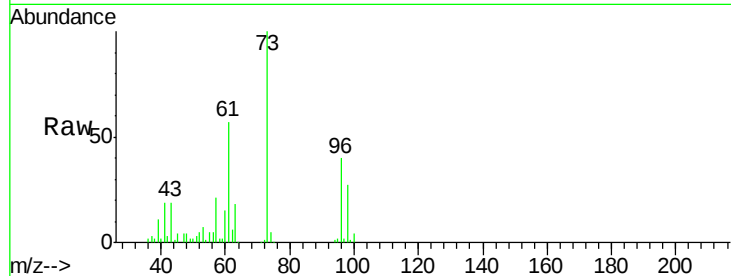
#19
Methvl tert-butvl Ether
Concen: 53.922 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion: 73 Resp: 433321
Ion Ratio Lower Upper
73 100
57 21.4 16.6 24.8

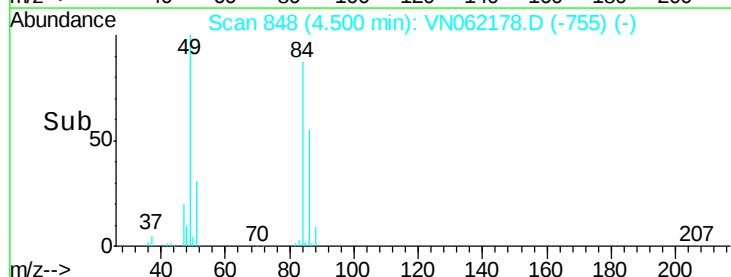
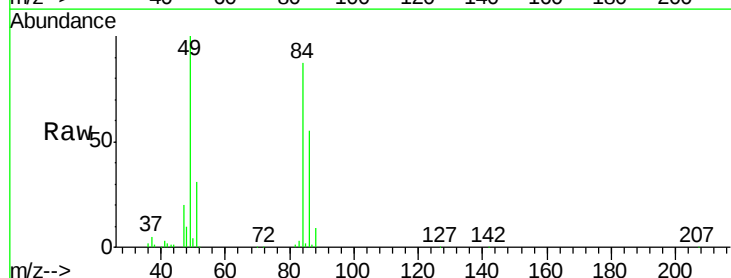
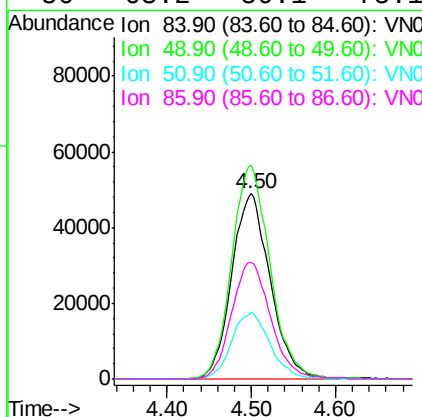
Manual Integrations
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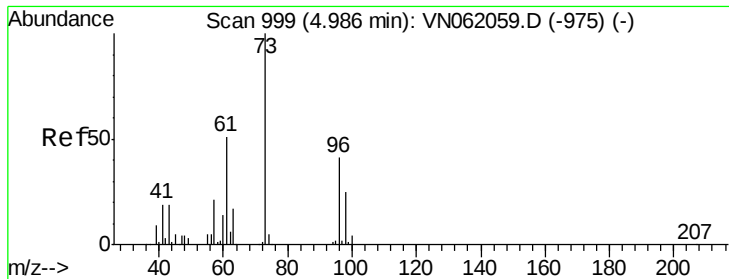
MMDadoda
6/29/2020 12:35:59 PM



#20
Methylene Chloride
Concen: 55.286 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion: 84 Resp: 155927
Ion Ratio Lower Upper
84 100
49 115.3 90.6 136.0
51 35.6 27.8 41.8
86 63.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 53.875 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

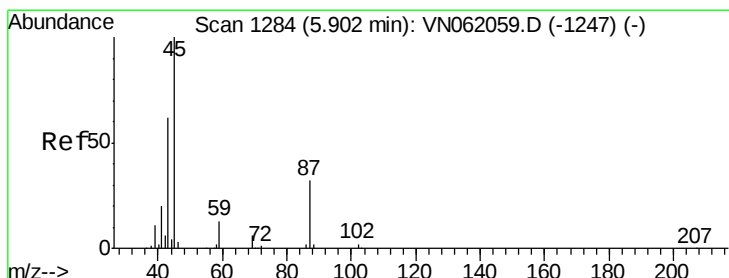
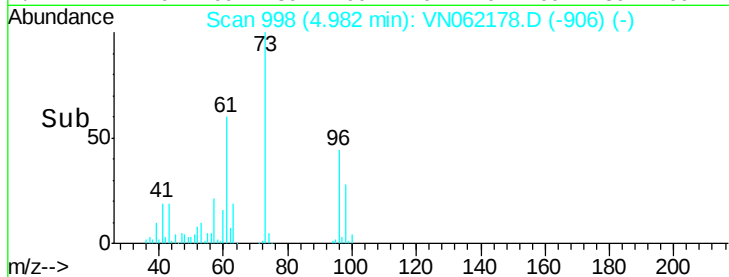
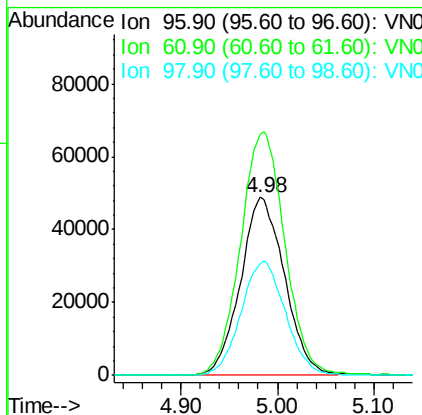
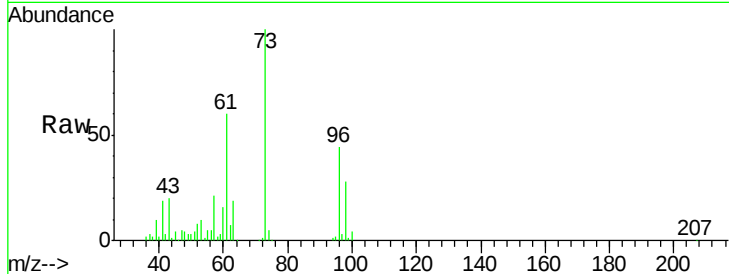
ClientSampleId :

56BR-20200622MSD

Tot Ion:	96	Resp:	154350
Ion	Ratio	Lower	Upper
96	100		
61	135.1	101.4	152.2
98	62.7	49.3	73.9

Manual Integrations
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6/29/2020 12:35:59 PM



#22

Diisopropyl ether

Concen: 53.992 ug/l

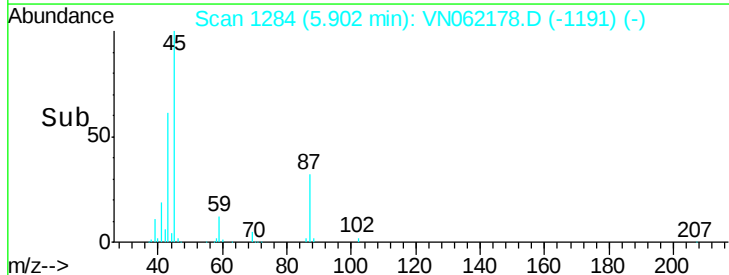
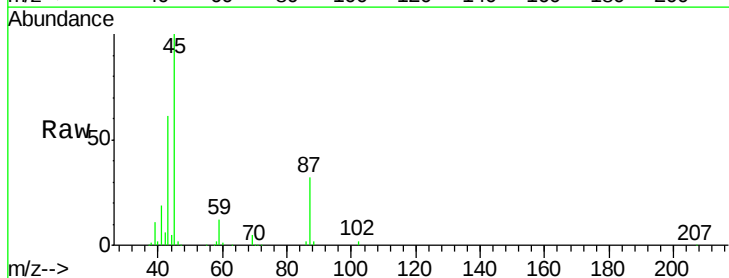
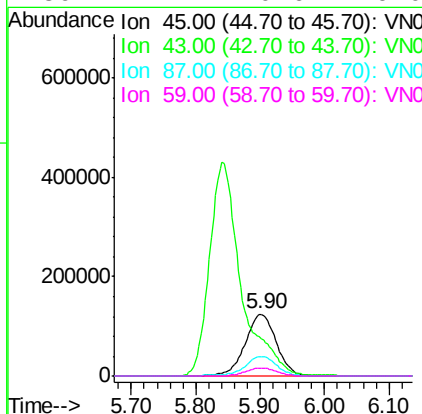
RT: 5.90 min Scan# 1284

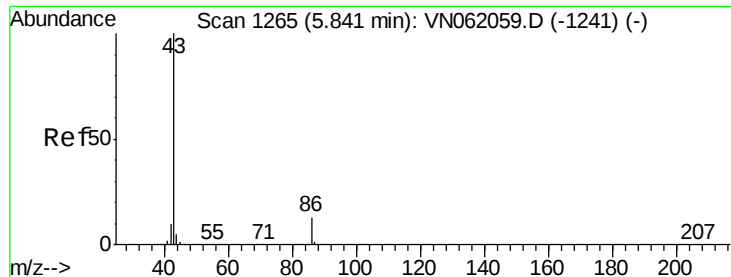
Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	45	Resp:	420923
Ion	Ratio	Lower	Upper
45	100		
43	60.1	49.7	74.5
87	31.8	25.9	38.9
59	12.4	10.6	16.0





#23

Vinyl Acetate

Concen: 231.352 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 43 Resp: 1472567

Ion Ratio Lower Upper

43 100

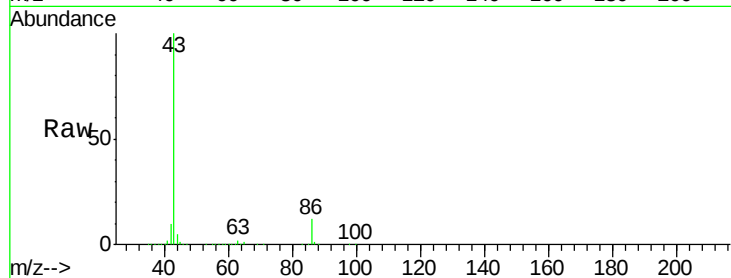
86 12.0 10.1 15.1

Manual Integrations

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MMDadoda

6/29/2020 12:35:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

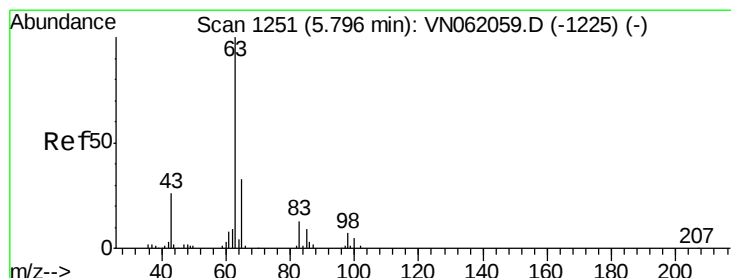
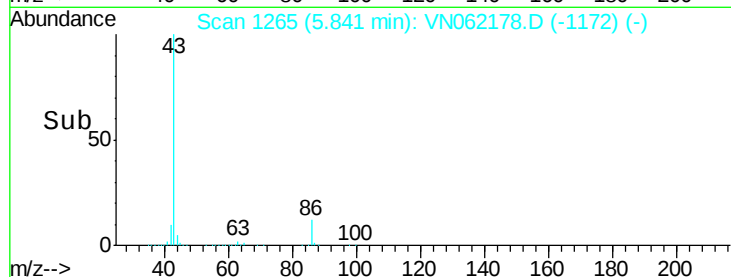
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 51.748 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

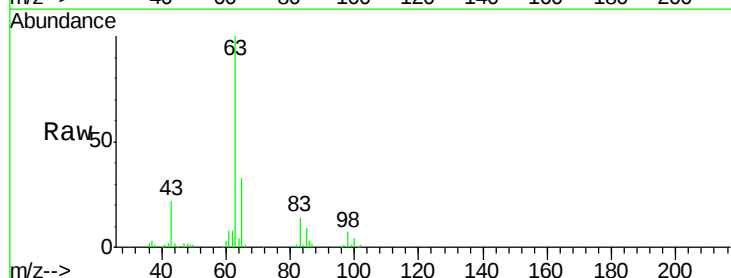
Tgt Ion: 63 Resp: 259787

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

60000

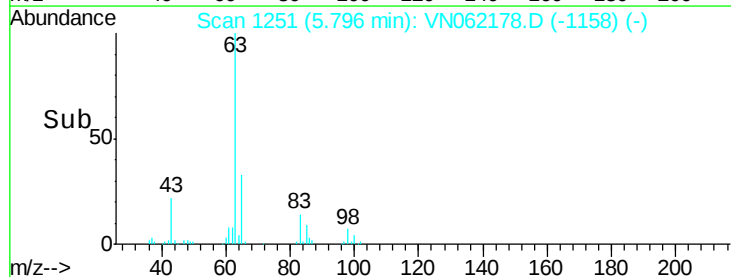
40000

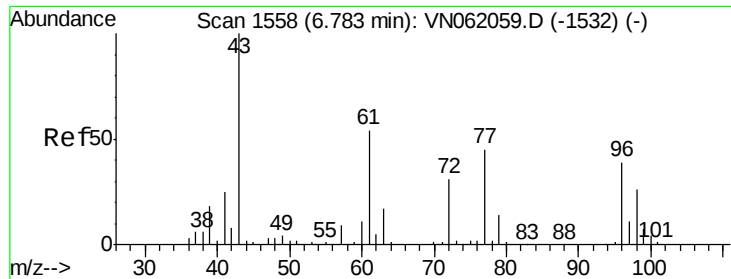
20000

0

5.70 5.80 5.90

Time-->





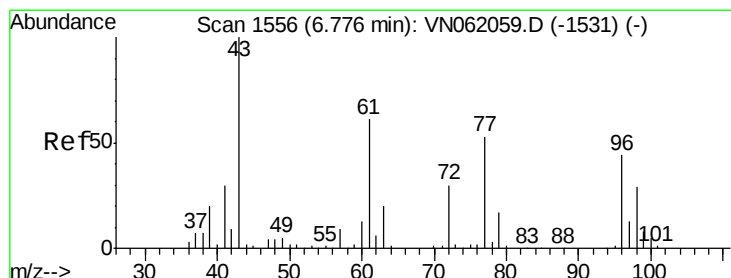
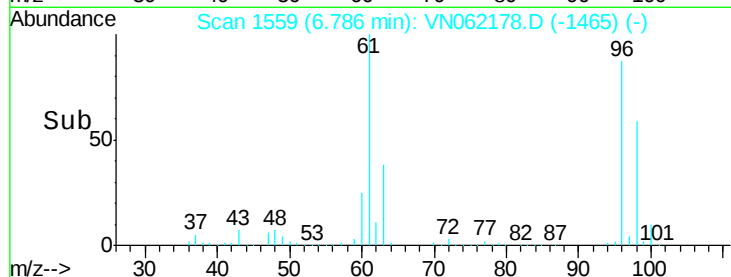
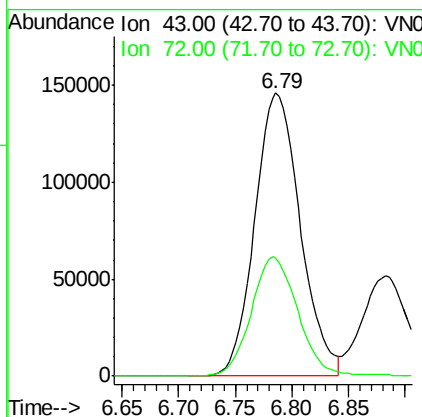
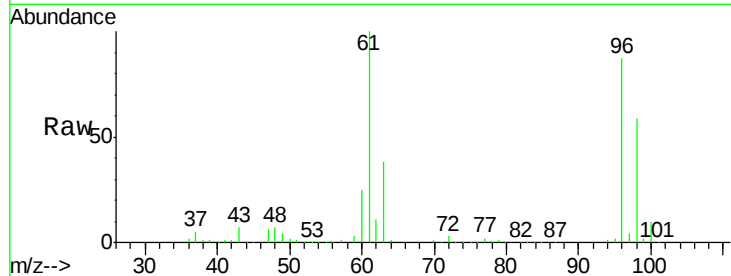
#25
2-Butanone
Concen: 270.357 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion: 43 Resp: 406165
Ion Ratio Lower Upper
43 100
72 41.8 24.8 37.2#

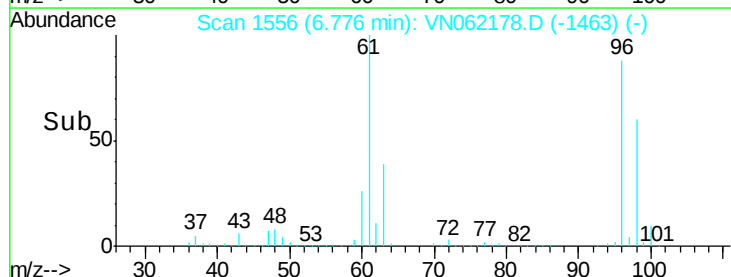
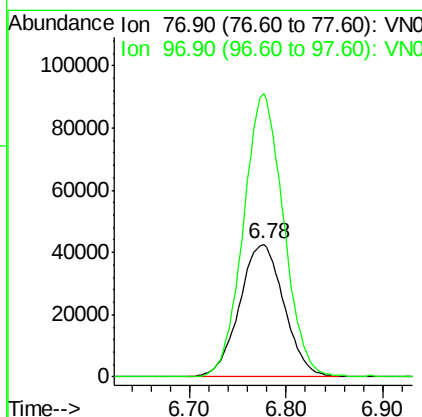
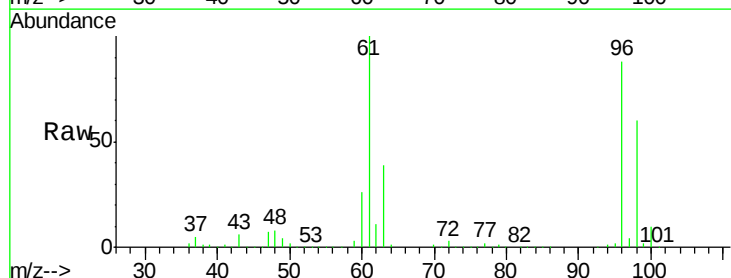
Manual Integrations
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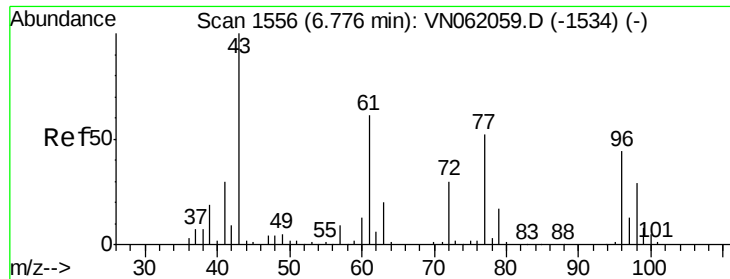
MMDadoda
6/29/2020 12:35:59 PM



#26
2,2-Dichloropropane
Concen: 32.518 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion: 77 Resp: 136035
Ion Ratio Lower Upper
77 100
97 193.2 11.8 35.3#





#27

cis-1,2-Dichloroethene

Concen: 1883.030 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 96 Resp: 6070536

Ion Ratio Lower Upper

96 100

61 117.3 0.0 280.4

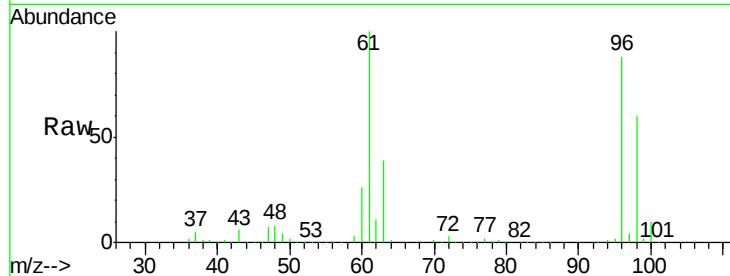
98 66.0 0.0 129.4

Manual Integrations

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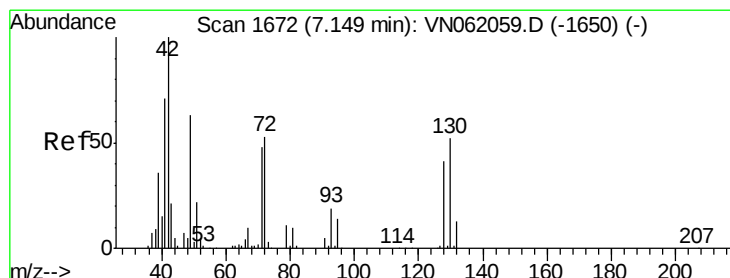
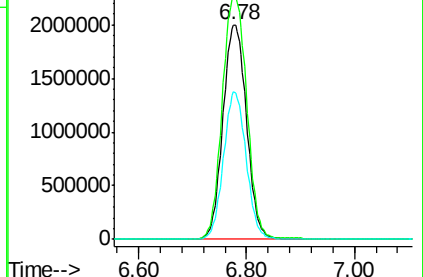
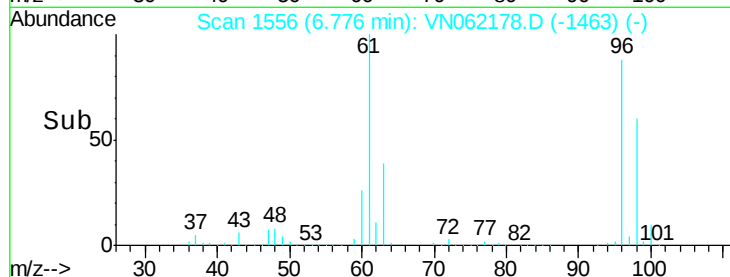
6/29/2020 12:35:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VN062178.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062178.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062178.D (-1463) (-)



#28

Bromochloromethane

Concen: 50.090 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

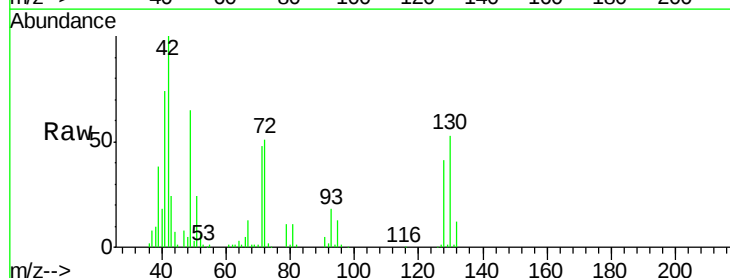
Tgt Ion: 49 Resp: 109105

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

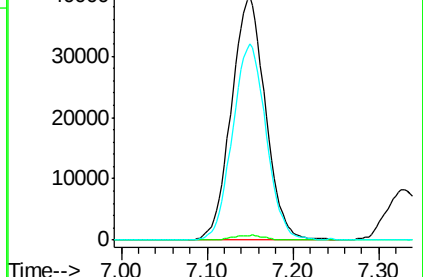
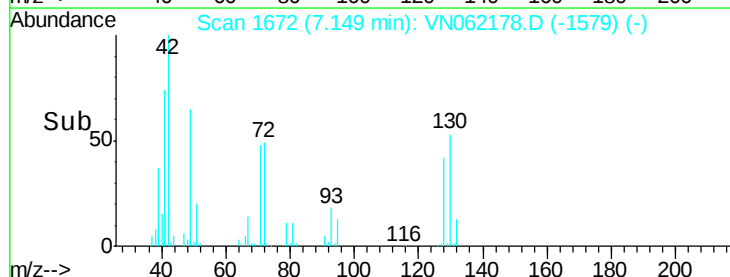
130 79.7 65.5 98.3

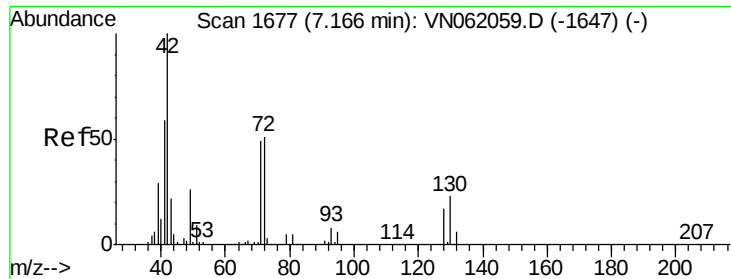


Abundance Ion 48.90 (48.60 to 49.60): VN062178.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062178.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062178.D (-1579) (-)





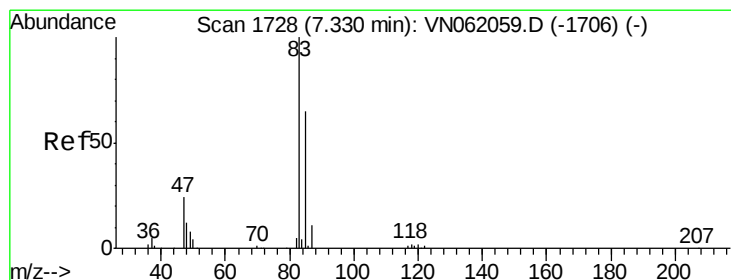
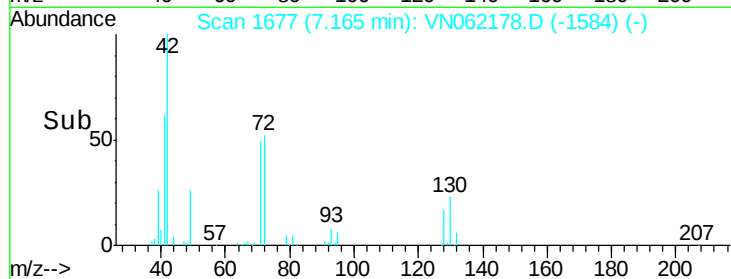
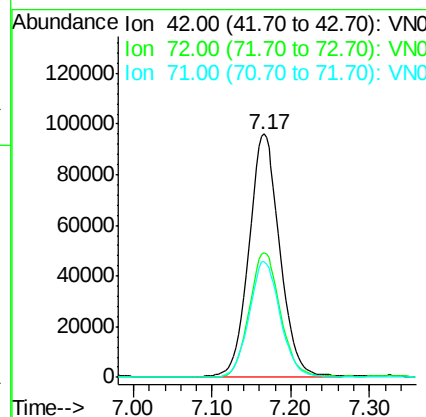
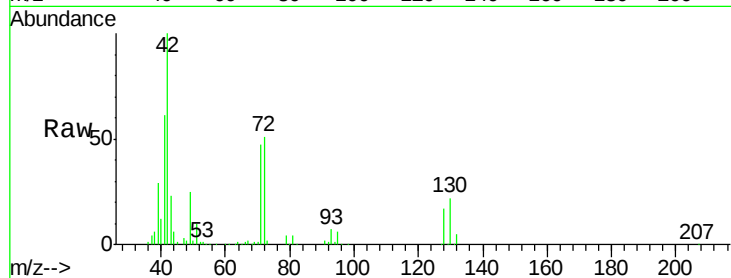
#29
Tetrahydrofuran
Concen: 272.782 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	41.1	61.7
71	47.8	38.2	57.4

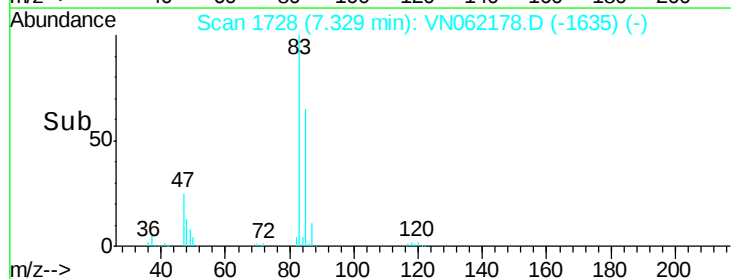
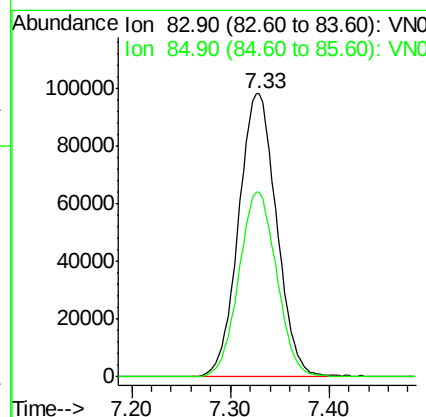
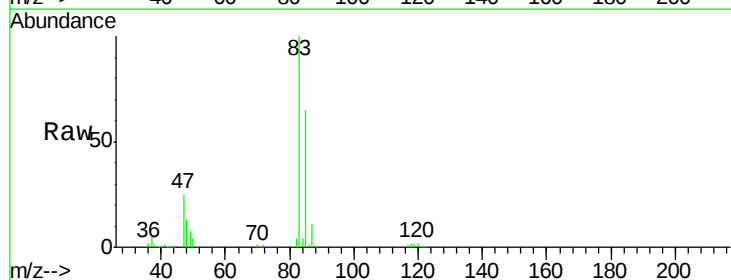
Manual Integrations
APPROVED

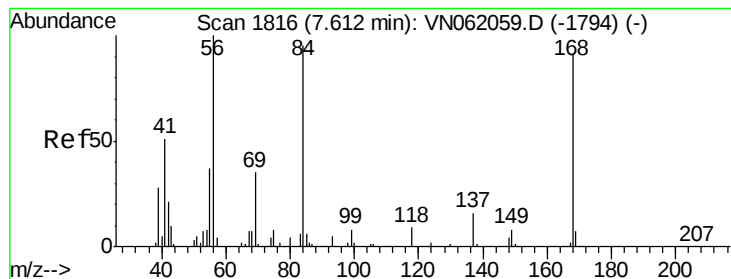
MMDadoda
6/29/2020 12:35:59 PM



#30
Chloroform
Concen: 51.270 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.3	78.5





#31

Cvclohexane

Concen: 49.721 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

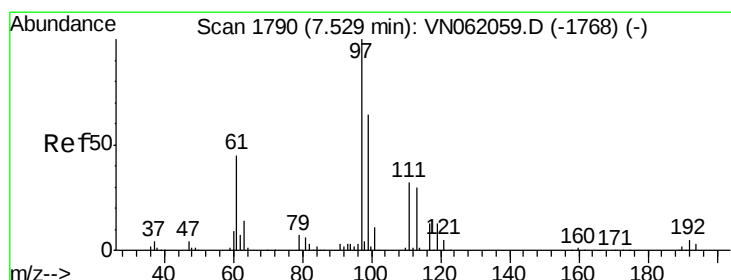
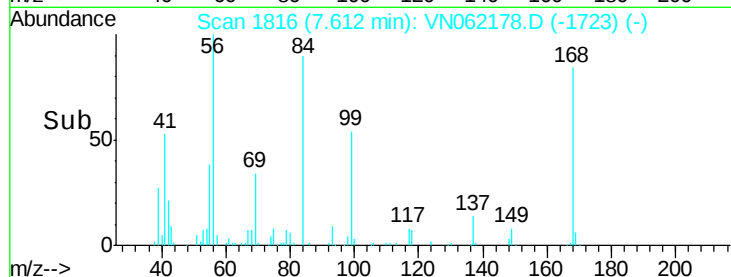
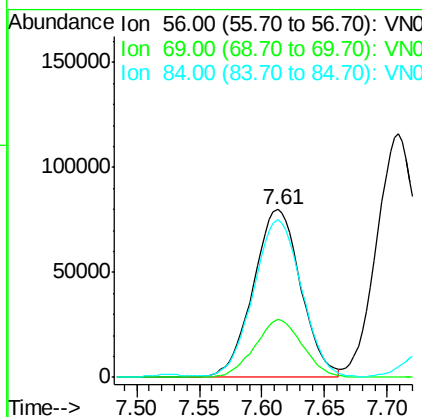
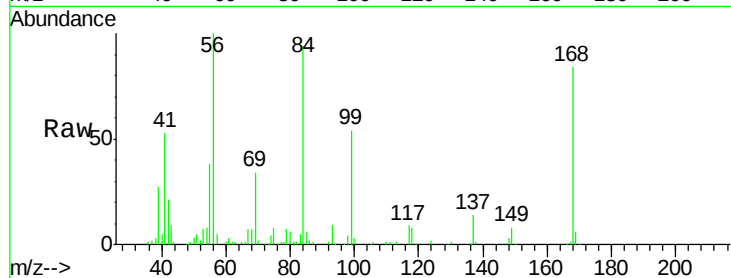
ClientSampleId :

56BR-20200622MSD

Tot Ion:	56	Resp:	211138
Ion	Ratio	Lower	Upper
56	100		
69	34.2	28.0	42.0
84	92.7	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 50.592 ug/l

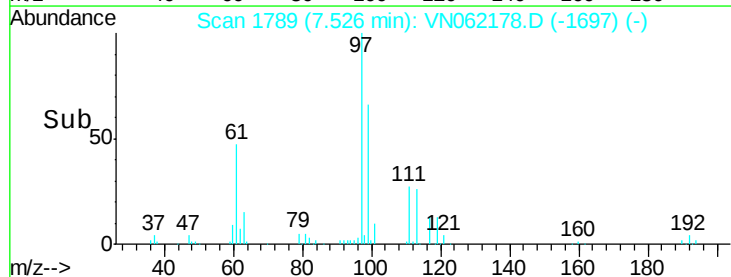
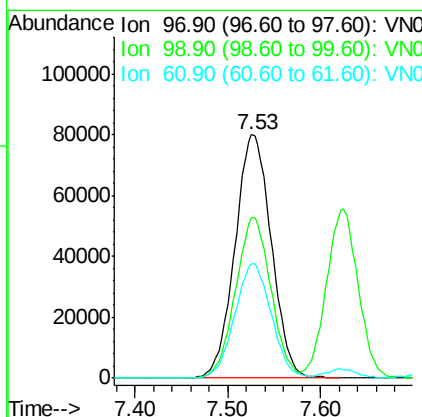
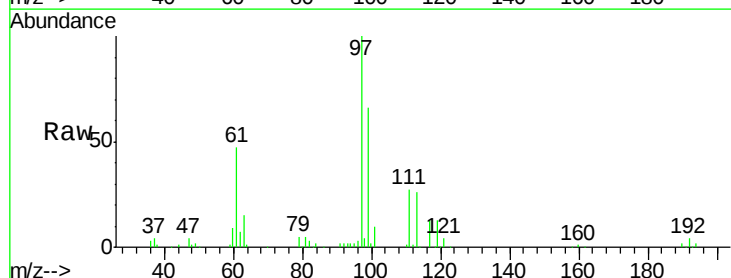
RT: 7.53 min Scan# 1789

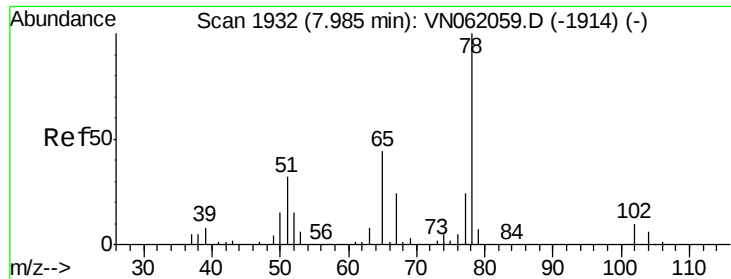
Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	97	Resp:	217921
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	47.1	36.2	54.2





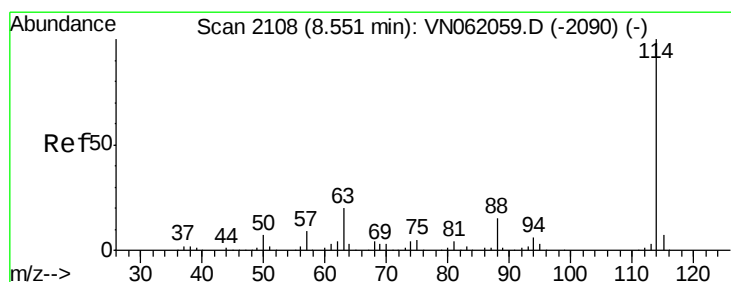
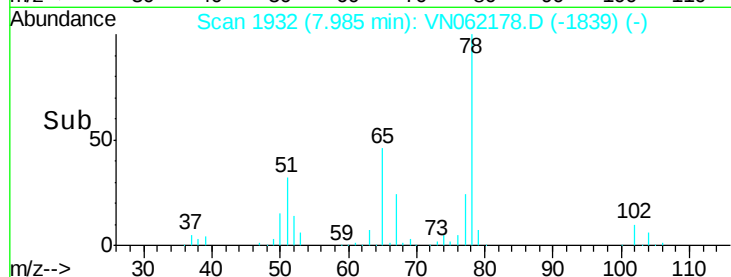
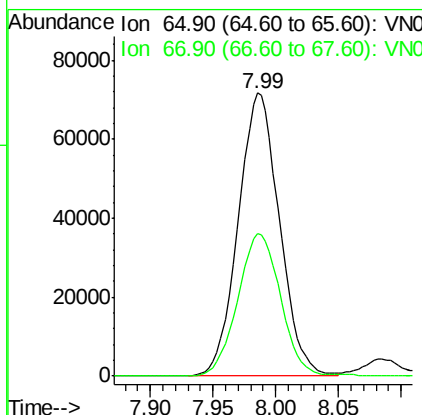
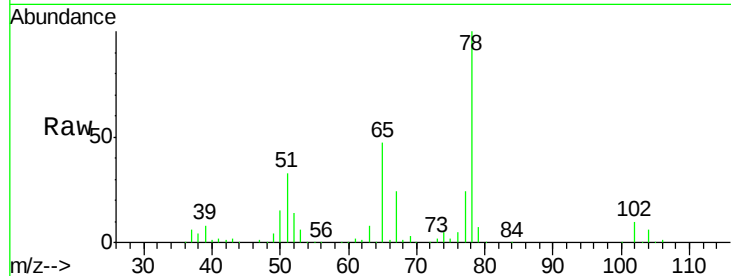
#33
 1,2-Dichloroethane-d4
 Concen: 53.411 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164162		
67	52.0	0.0	106.2	

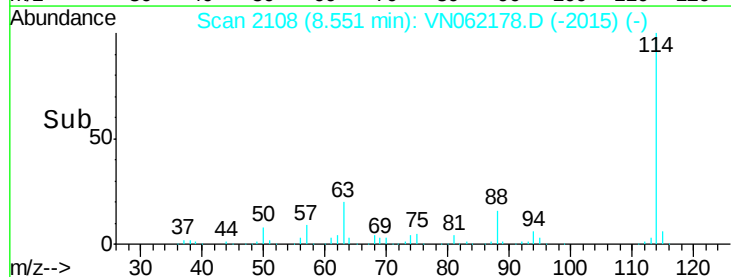
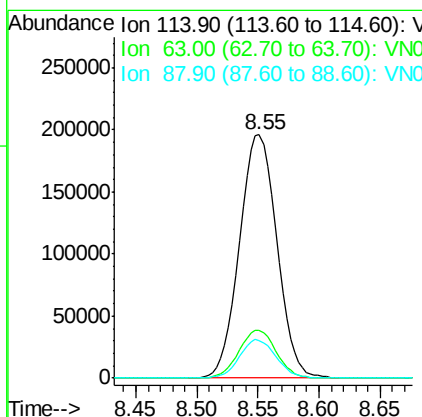
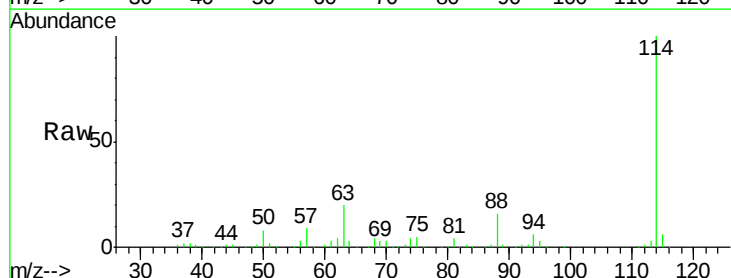
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416053		
63	19.7	0.0	39.2	
88	15.7	0.0	30.8	





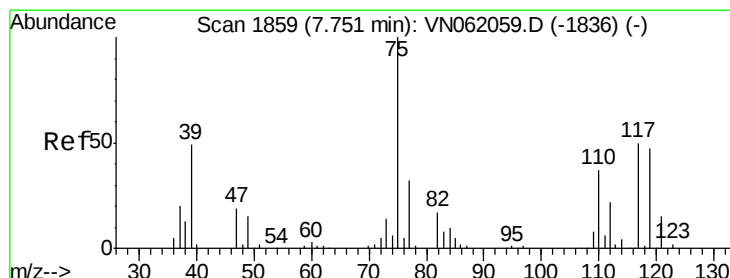
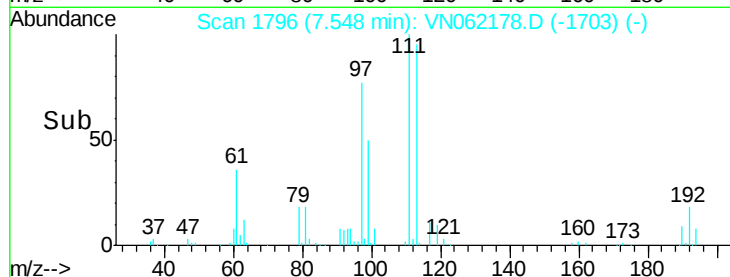
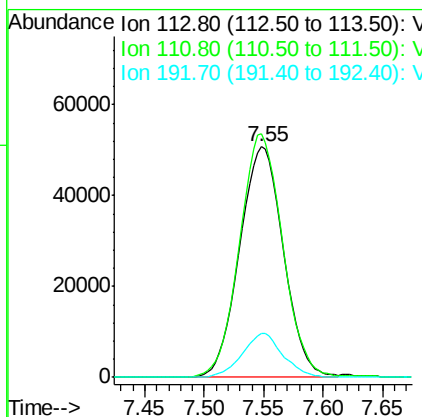
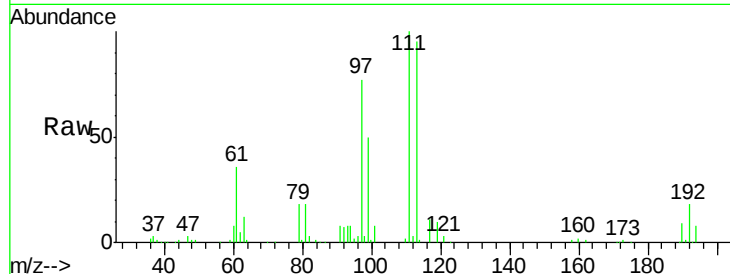
#35
 Dibromofluoromethane
 Concen: 48.530 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129535		
111	103.9	82.2	123.4	
192	17.6	14.0	21.0	

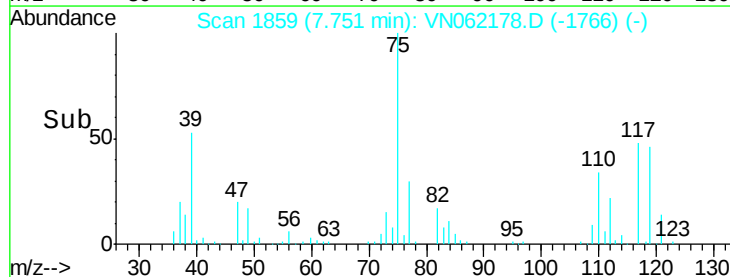
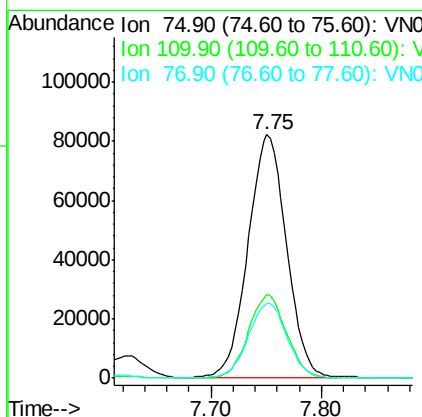
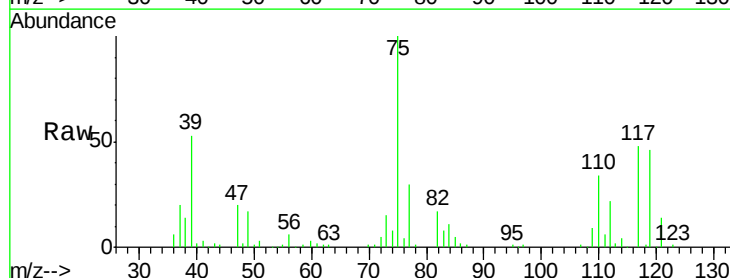
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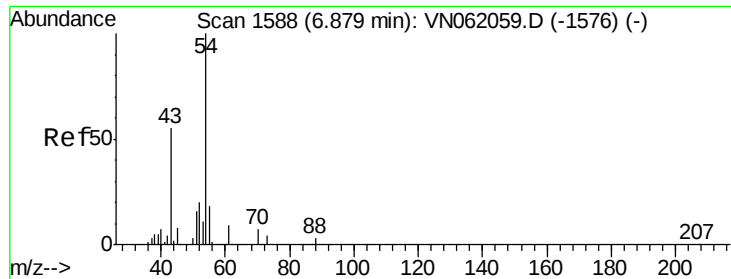
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 6/29/2020 12:35:59 PM



#36
 1,1-Dichloropropene
 Concen: 47.233 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197528		
110	34.1	17.9	53.8	
77	31.4	24.9	37.3	





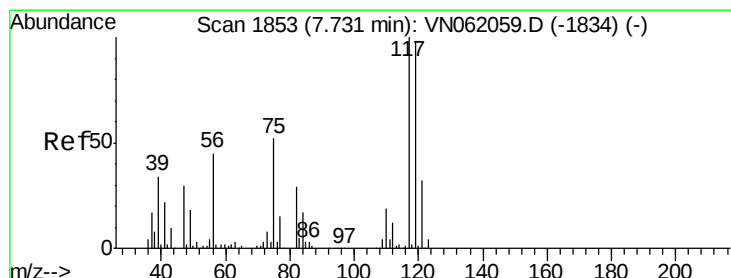
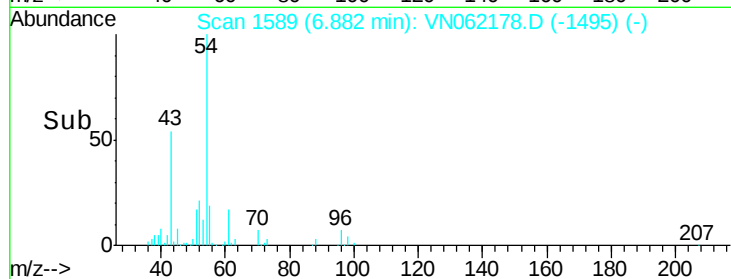
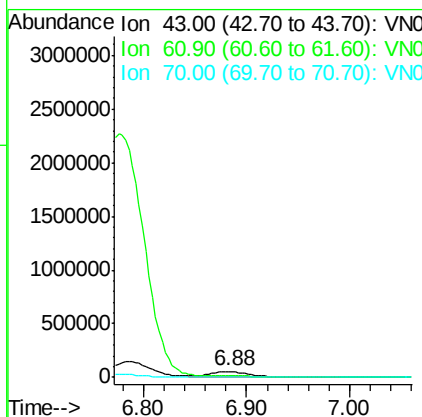
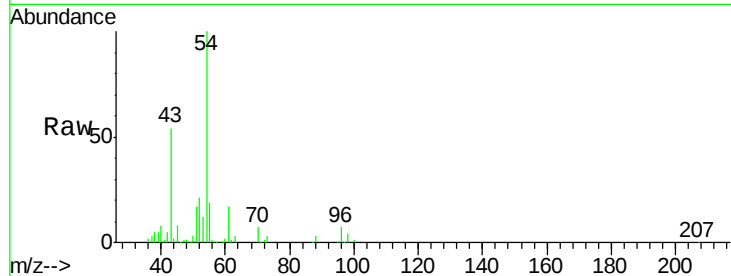
#37
Ethyl Acetate
Concen: 42.864 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	11.9	9.6	14.4

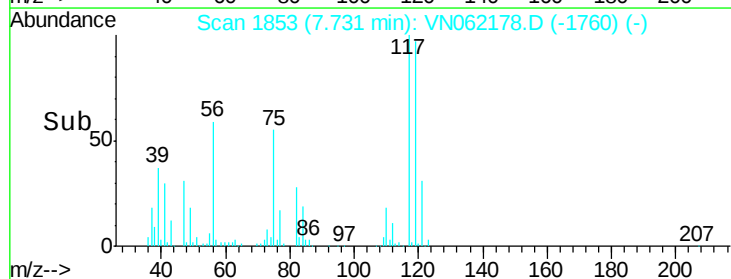
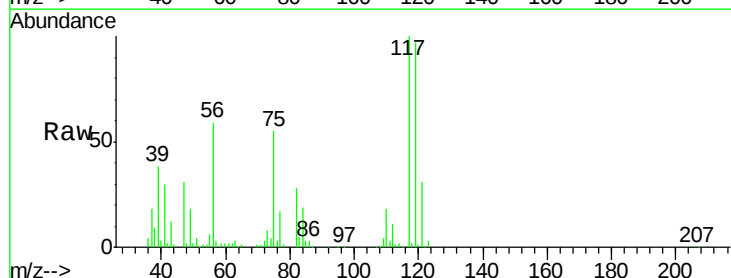
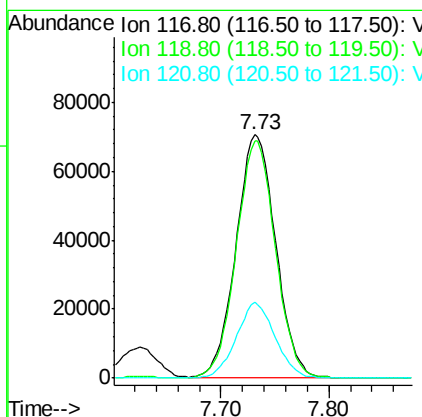
Manual Integrations
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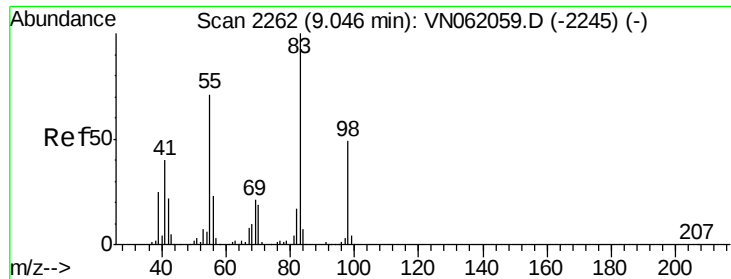
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#38
Carbon Tetrachloride
Concen: 45.580 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.2	117.2
121	31.1	25.8	38.6





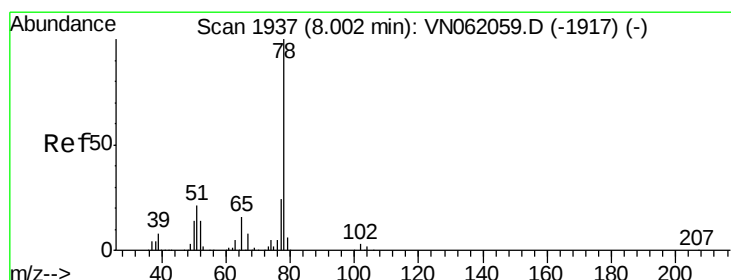
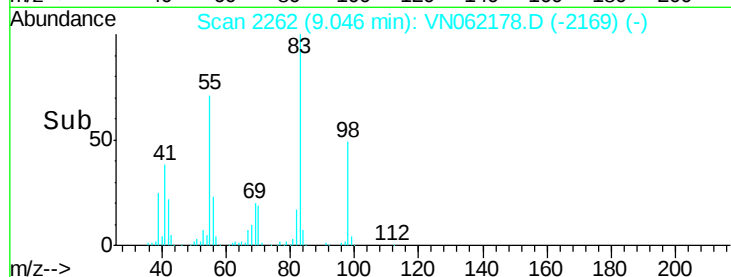
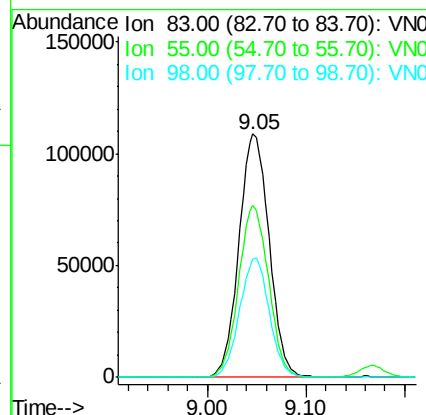
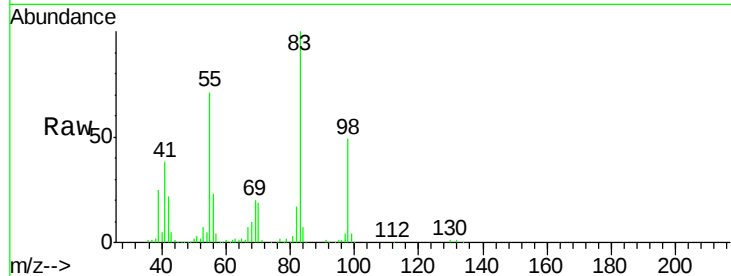
#39
Methvlcvclohexane
Concen: 50.434 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	231094		
55	70.7		57.0	85.6
98	48.7		39.0	58.6

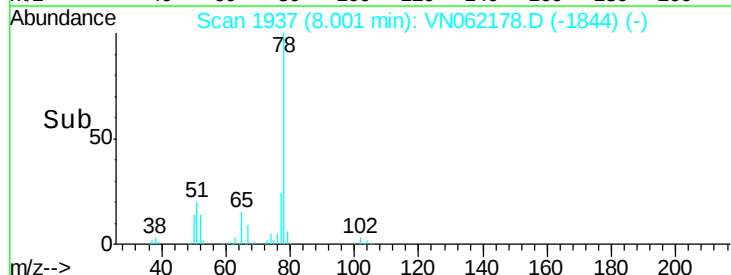
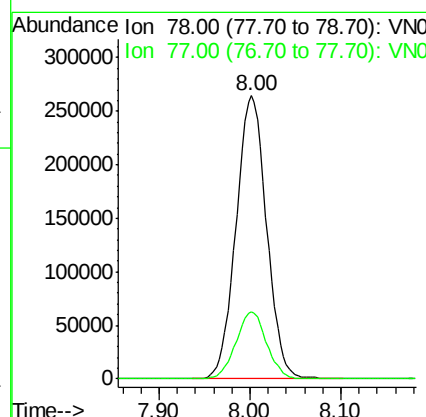
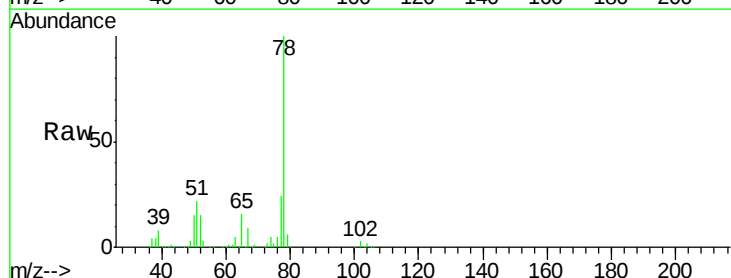
Manual Integrations
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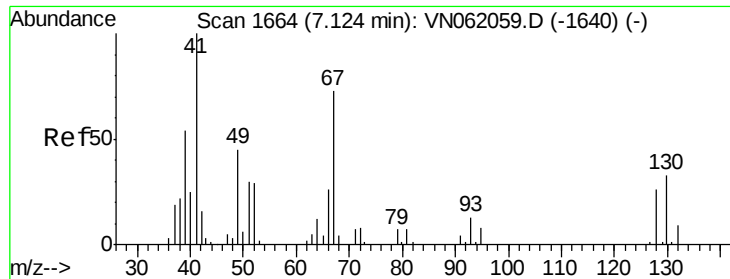
MMDadoda
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#40
Benzene
Concen: 48.305 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	615715		
77	23.9		19.5	29.3





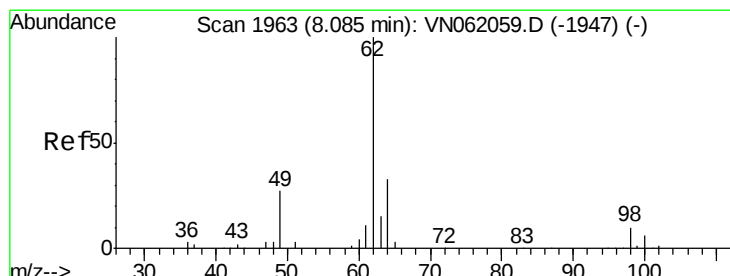
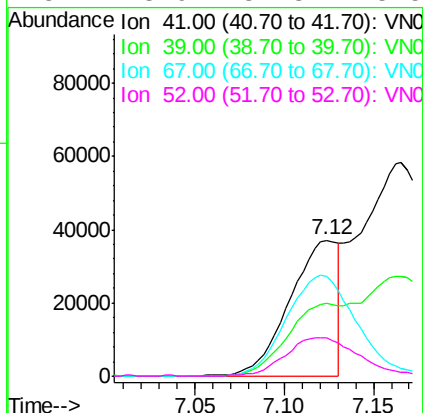
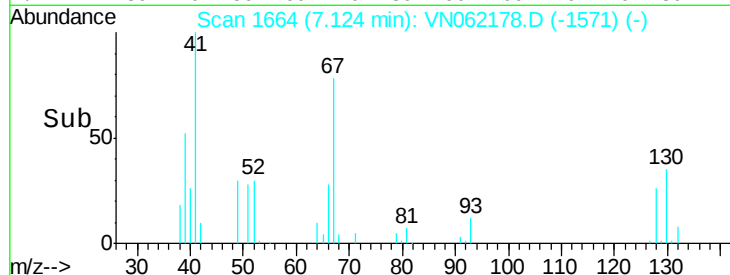
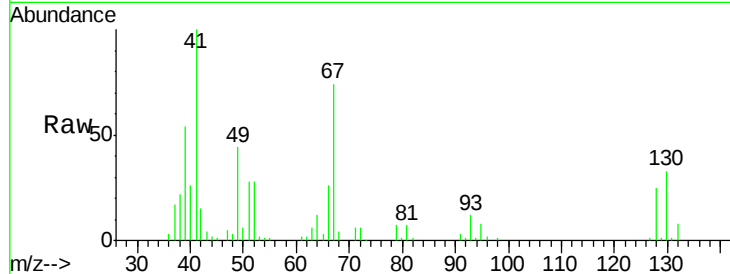
#41
Methacrylonitrile
Concen: 43.536 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	41	Resp	69894
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.2	66.2
67	108.1	79.5	119.3
52	43.9	32.3	48.5

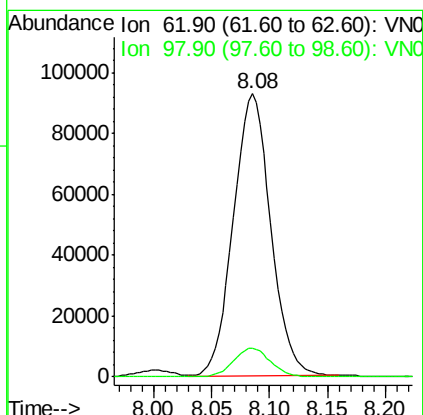
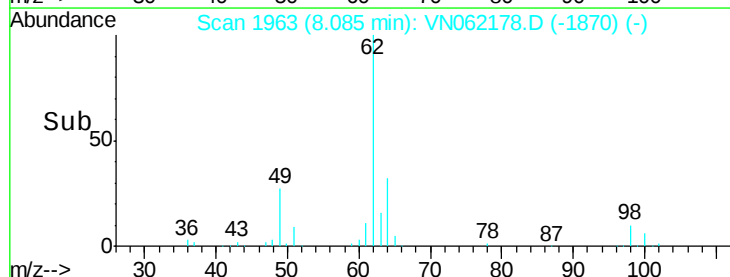
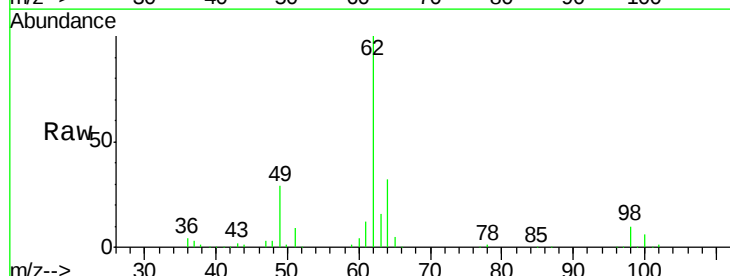
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 48.443 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	62	Resp	208620
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

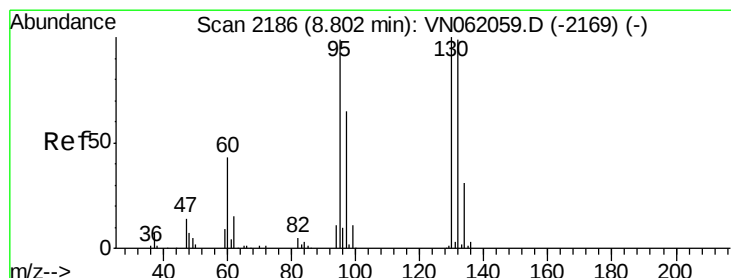
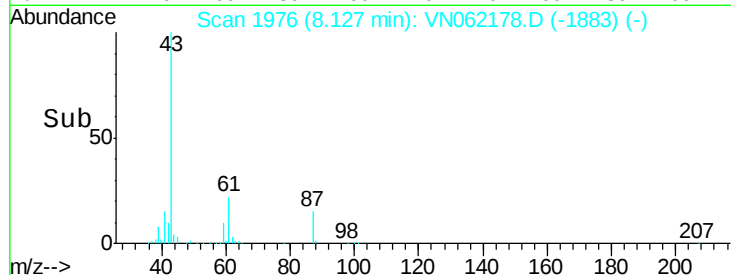
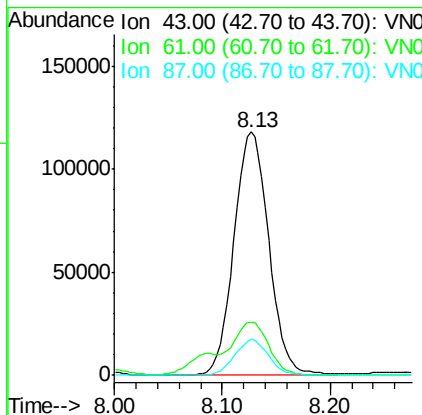
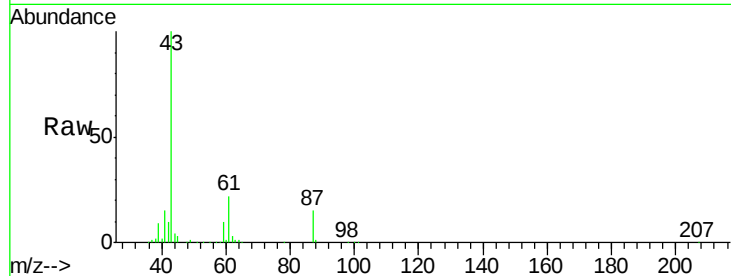
Isopropyl Acetate
 Concen: 46.577 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	14.4	12.1	18.1

Manual Integrations
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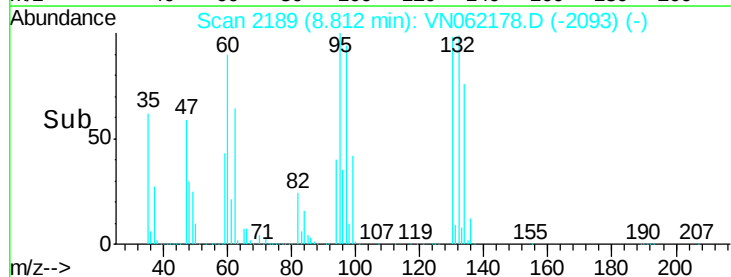
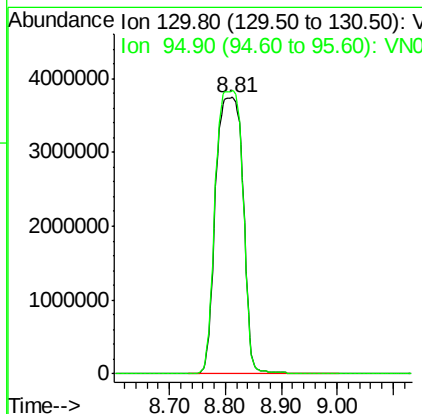
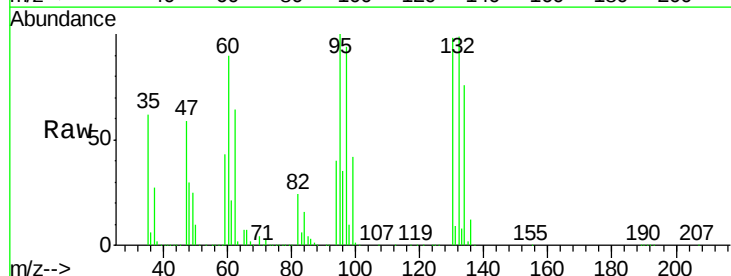
MMDadoda
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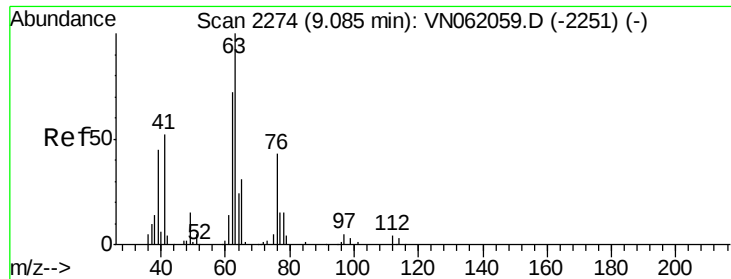


#44

Trichloroethene
 Concen: 3975.655 ug/l
 RT: 8.81 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	197.8





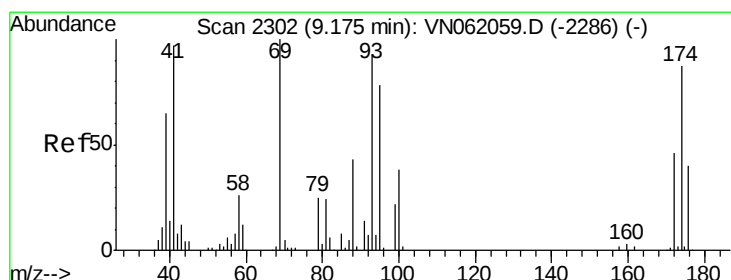
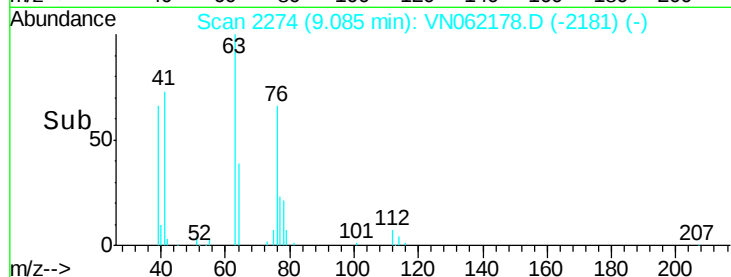
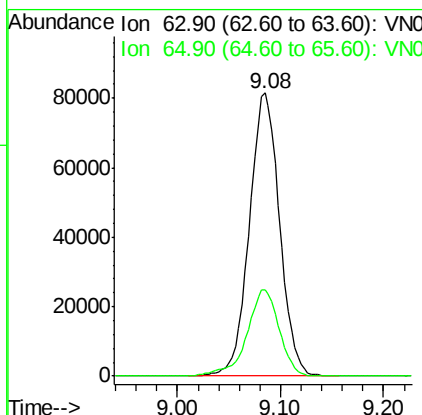
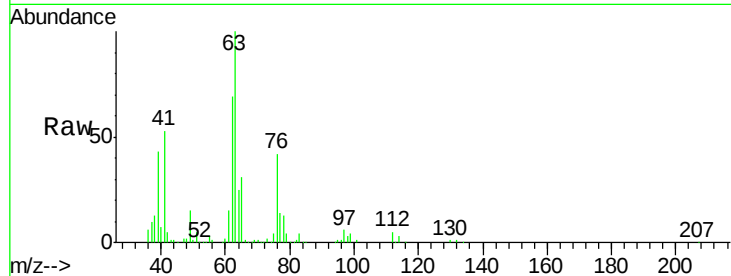
#45
 1,2-Dichloropropane
 Concen: 52.675 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion: 63 Resp: 165643
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

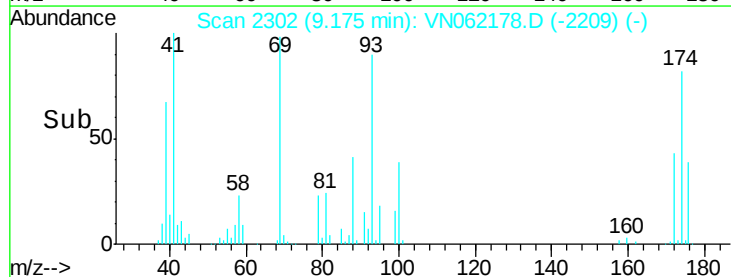
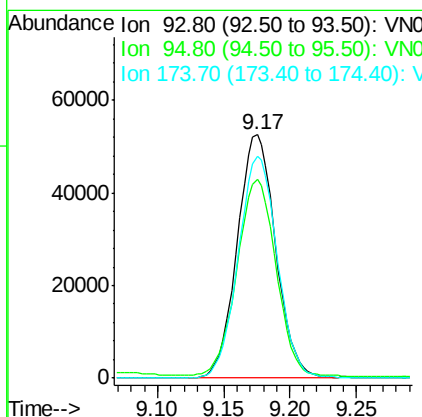
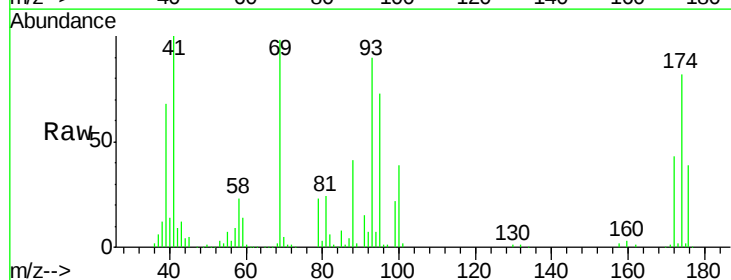
Manual Integrations
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#46
 Dibromomethane
 Concen: 49.731 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion: 93 Resp: 106030
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.6
 174 92.2 74.4 111.6





#47

Bromodichloromethane

Concen: 50.867 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

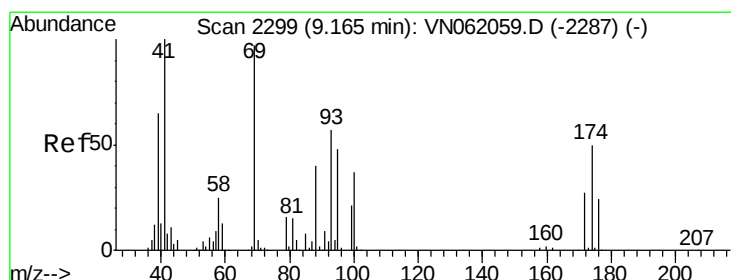
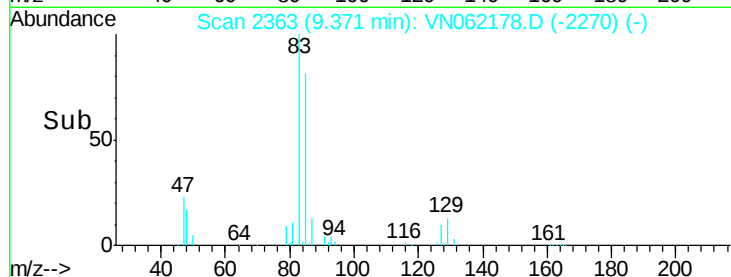
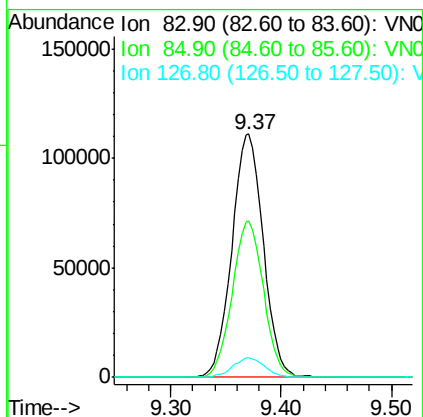
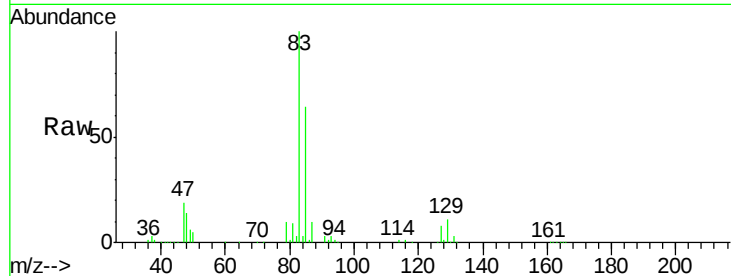
ClientSampleId :

56BR-20200622MSD

Tot Ion:	83	Resp:	218979
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	8.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.926 ug/l

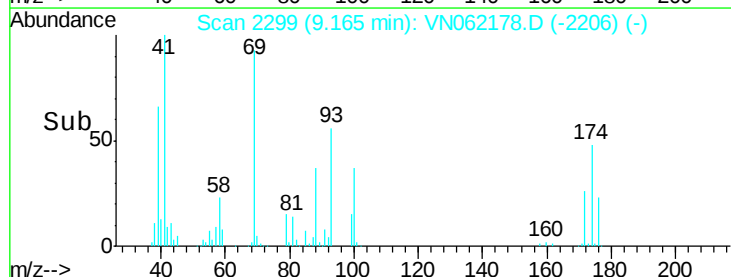
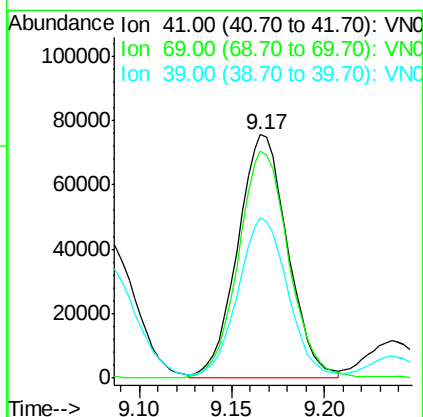
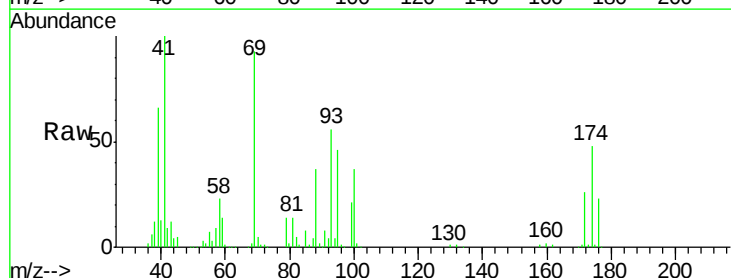
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	41	Resp:	141553
Ion	Ratio	Lower	Upper
41	100		
69	94.3	80.7	121.1
39	65.7	54.5	81.7





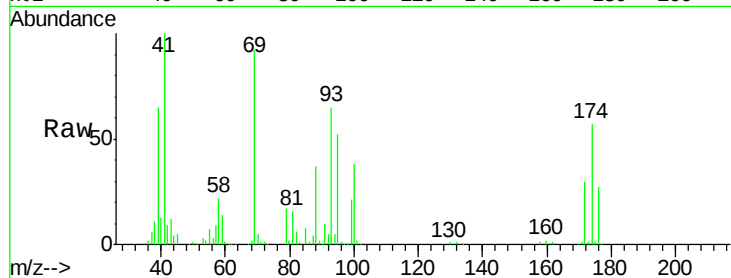
#49
1,4-Dioxane
Concen: 1001.798 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	28.9	22.0	33.0	
58	62.2	49.2	73.8	

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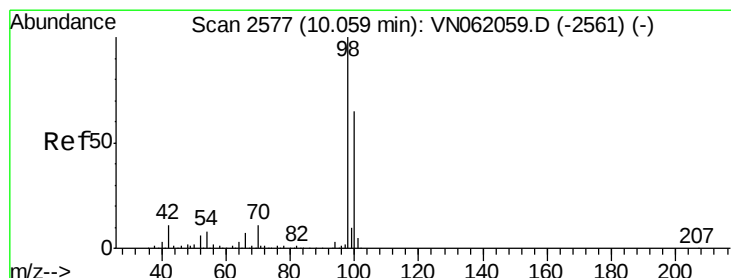
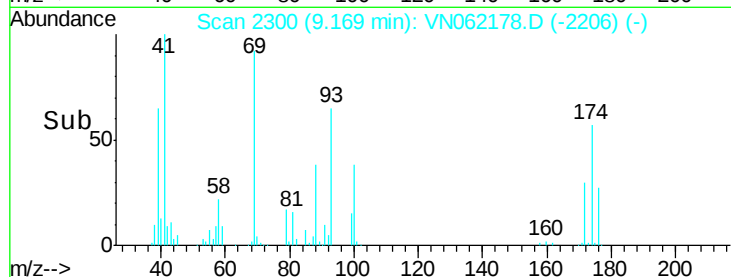
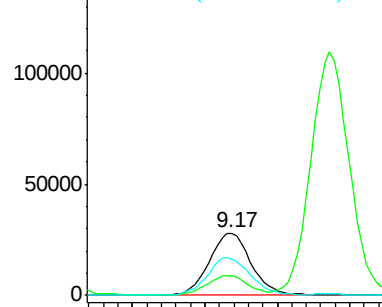
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Abundance Ion 88.00 (87.70 to 88.70): VN062178.D (-2300) (-)

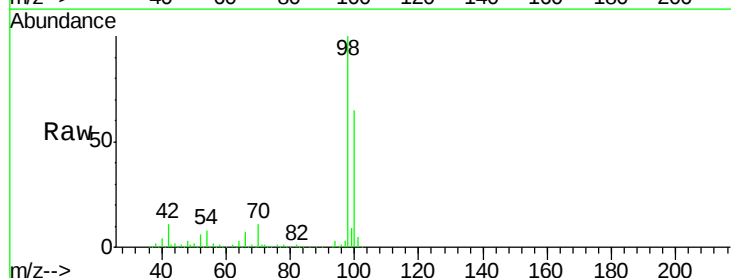
Ion 43.00 (42.70 to 43.70): VN062178.D (-2300) (-)

Ion 58.00 (57.70 to 58.70): VN062178.D (-2300) (-)



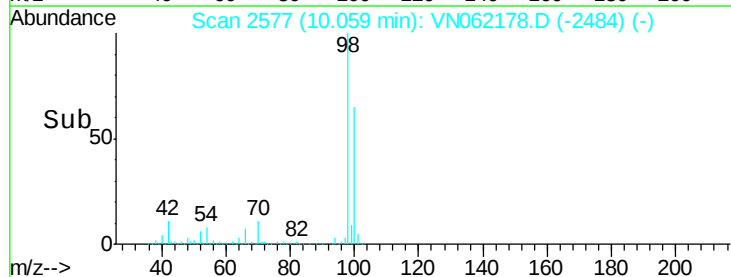
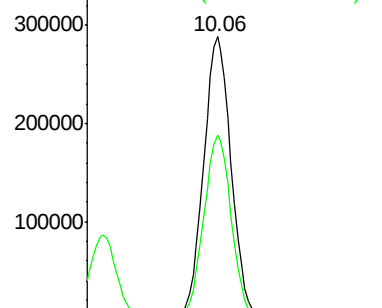
#50
Toluene-d8
Concen: 48.712 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

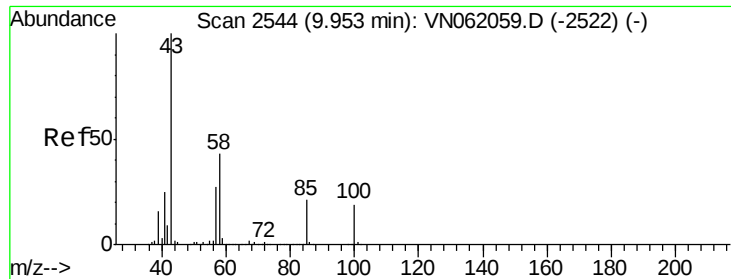
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.0	51.2	76.8	



Abundance Ion 98.00 (97.70 to 98.70): VN062178.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN062178.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 262.466 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 43 Resp: 865657

Ion Ratio Lower Upper

43 100

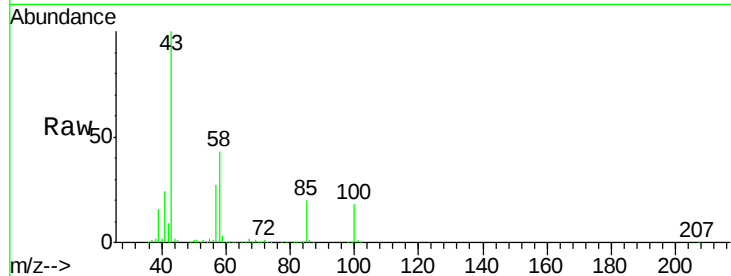
58 42.9 34.2 51.2

Manual Integrations

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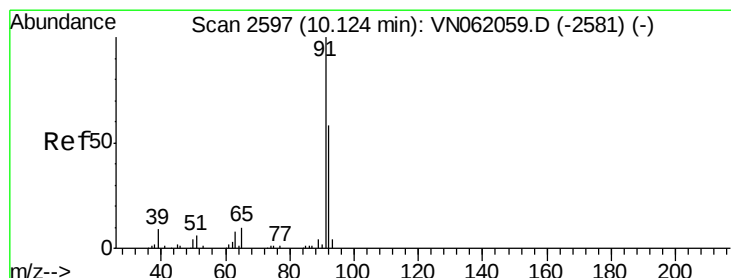
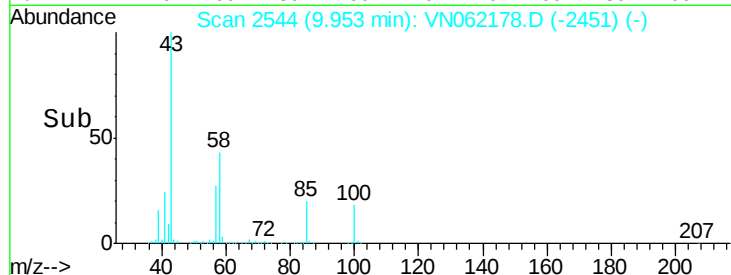
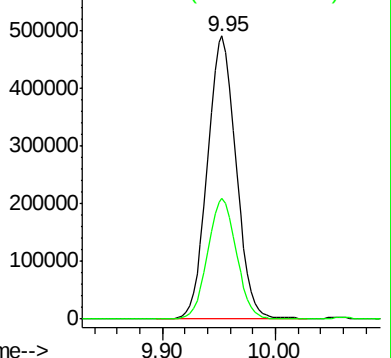
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.054 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062178.D

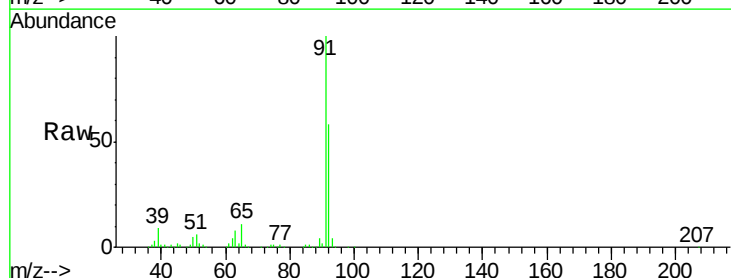
Acq: 27 Jun 2020 7:29

Tgt Ion: 92 Resp: 389282

Ion Ratio Lower Upper

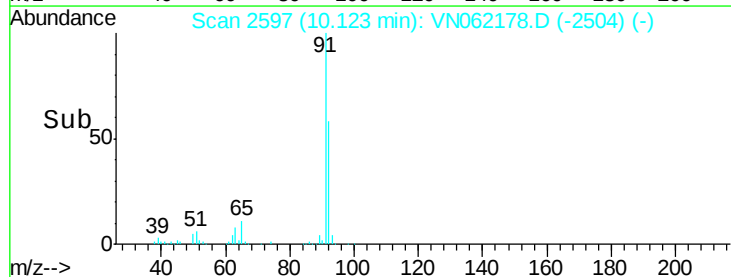
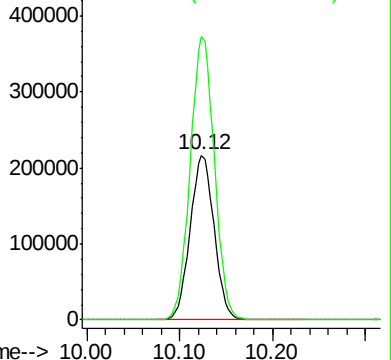
92 100

91 172.9 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





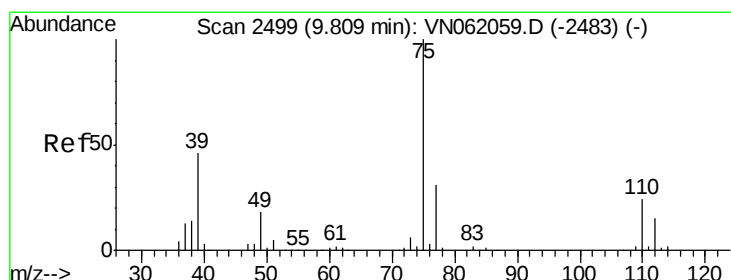
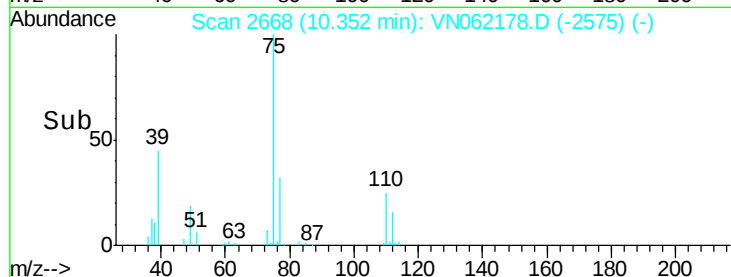
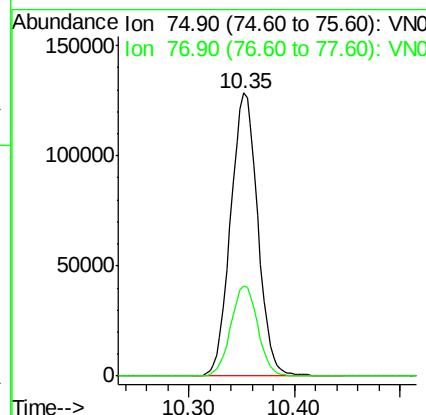
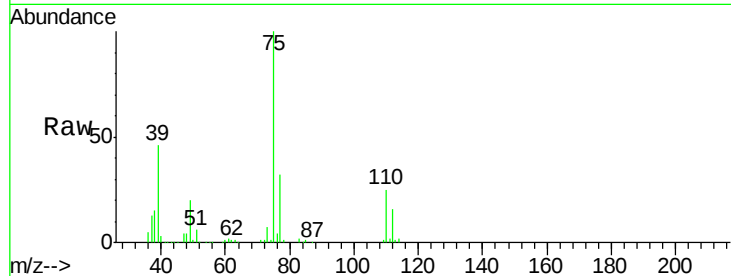
#53
 t-1,3-Dichloropropene
 Concen: 48.293 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion: 75 Resp: 228727
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3

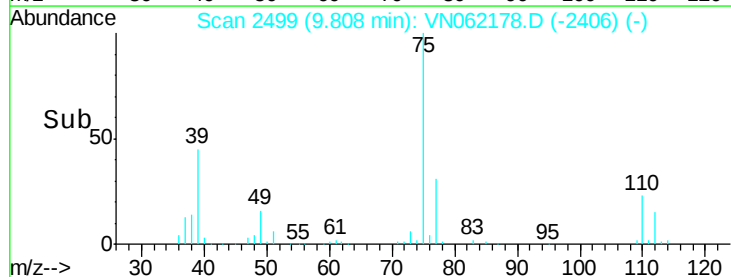
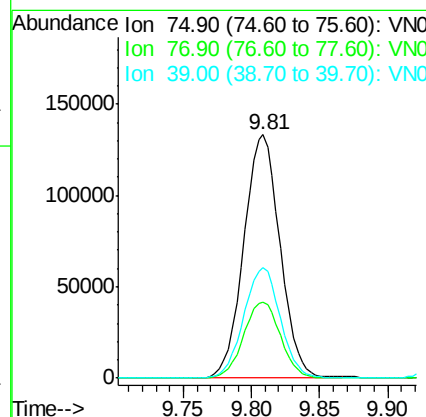
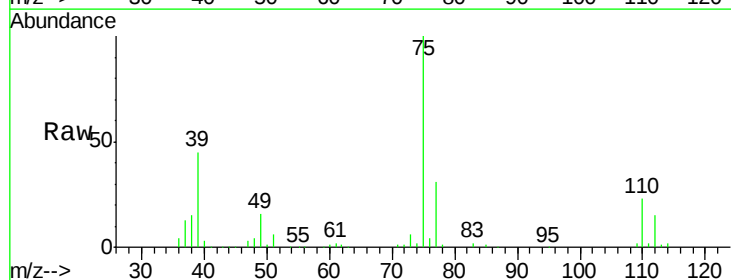
Manual Integrations
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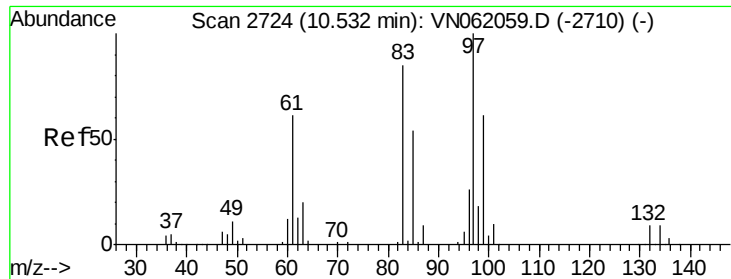
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#54
 cis-1,3-Dichloropropene
 Concen: 48.772 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion: 75 Resp: 245927
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 45.4 36.9 55.3





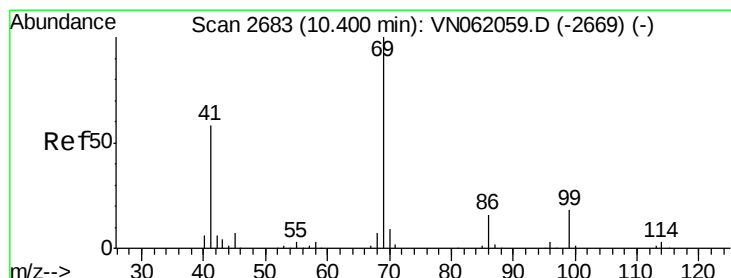
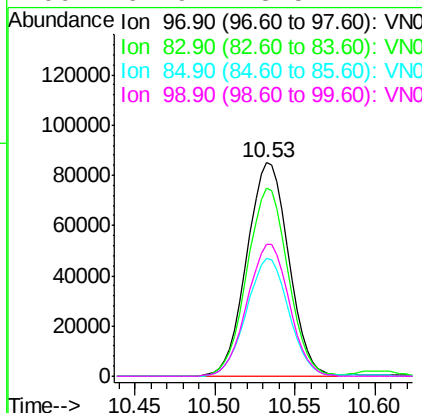
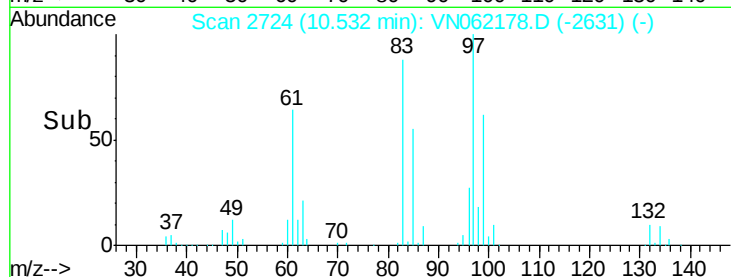
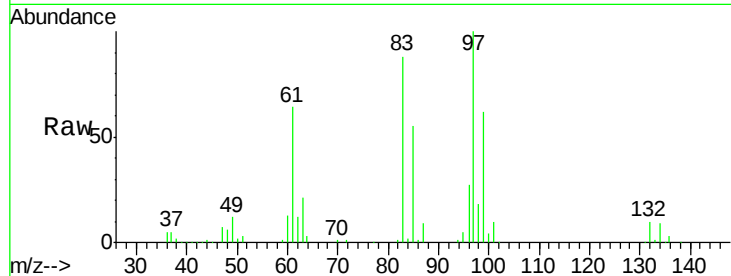
#55
1,1,2-Trichloroethane
Concen: 50.012 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		152896		
83	88.2	68.2	102.2		
85	55.3	43.2	64.8		
99	61.9	48.5	72.7		

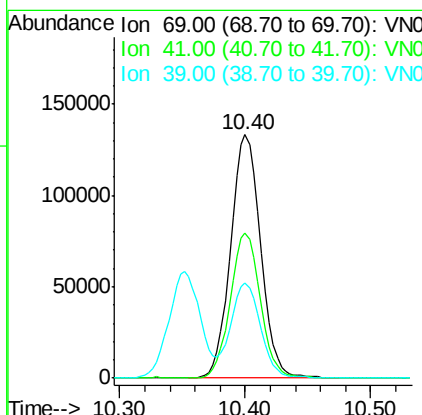
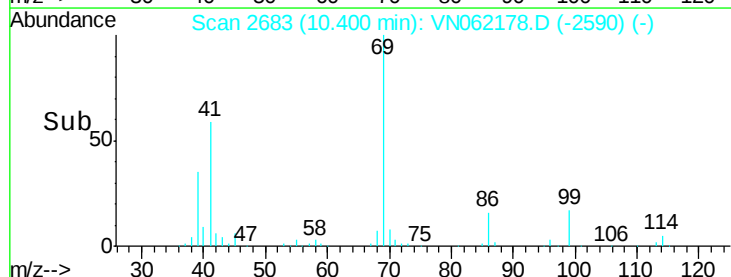
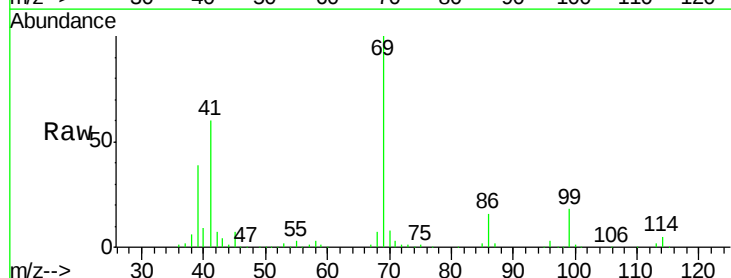
Manual Integrations
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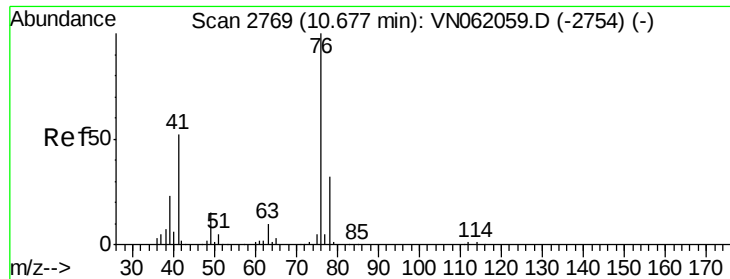
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#56
Ethyl methacrylate
Concen: 54.323 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221634		
41	58.6	46.6	70.0		
39	38.4	31.0	46.4		





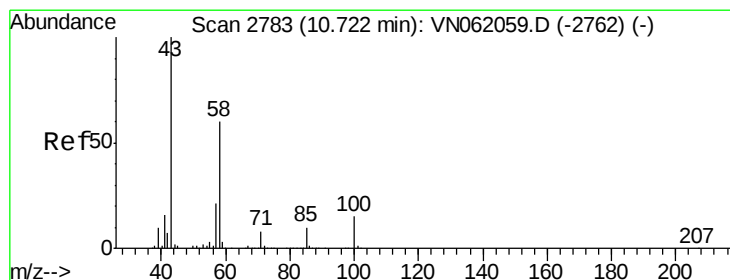
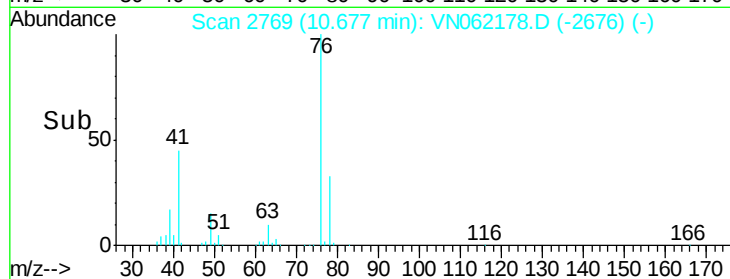
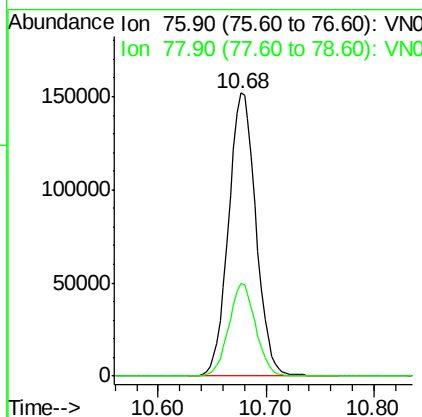
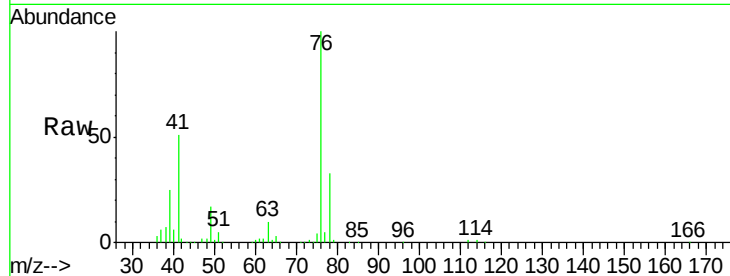
#57
 1,3-Dichloropropane
 Concen: 50.863 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

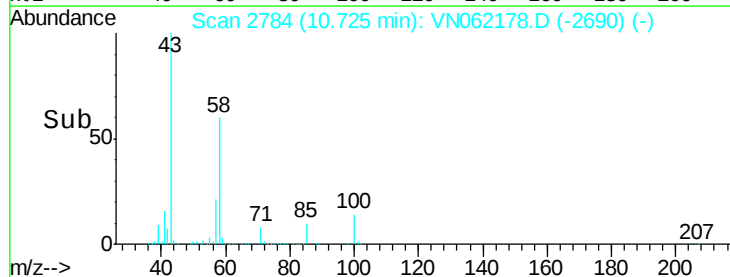
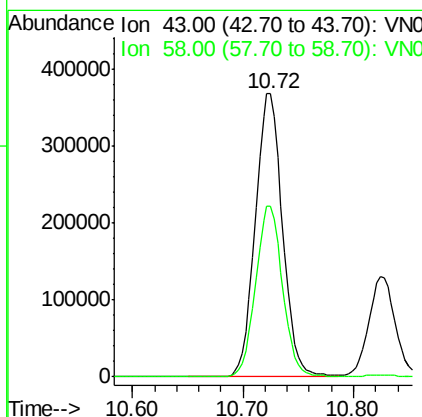
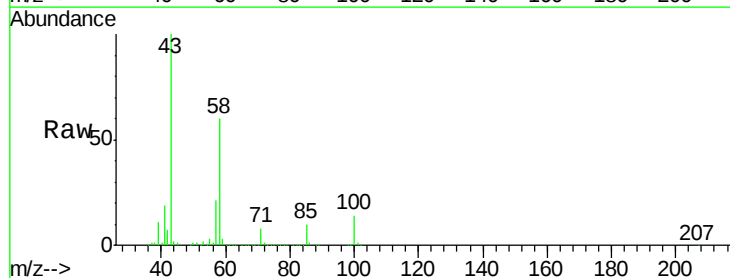
Manual Integrations
 APPROVED

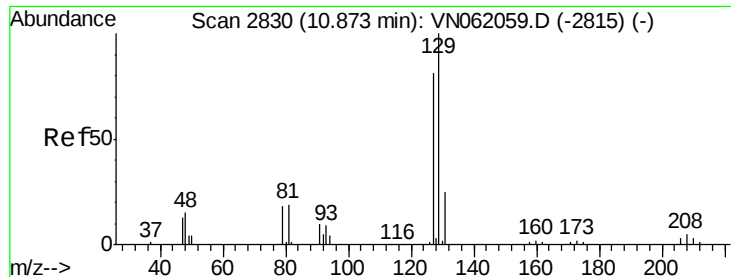
MMDadoda
 6/29/2020 12:35:59 PM



#59
 2-Hexanone
 Concen: 264.036 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.5	88.5





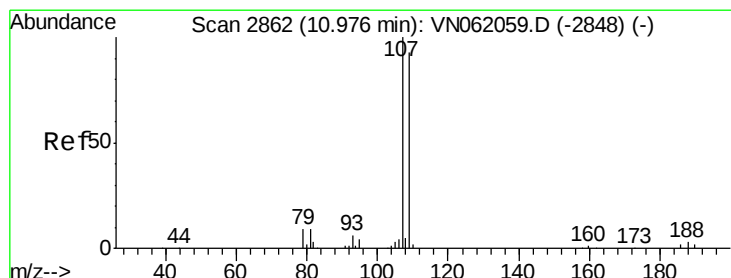
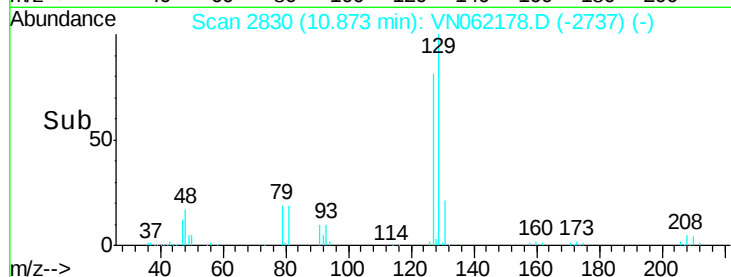
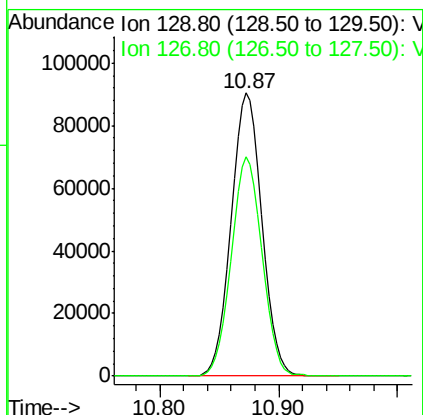
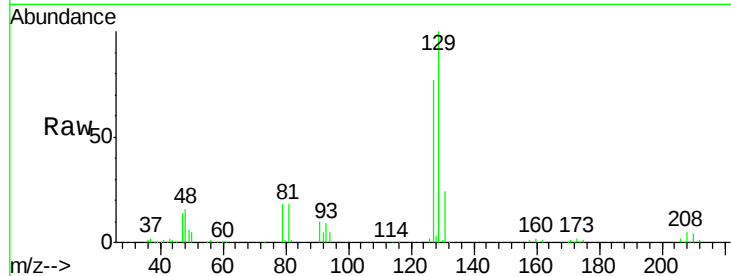
#60
Dibromochloromethane
Concen: 50.059 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.5	118.5

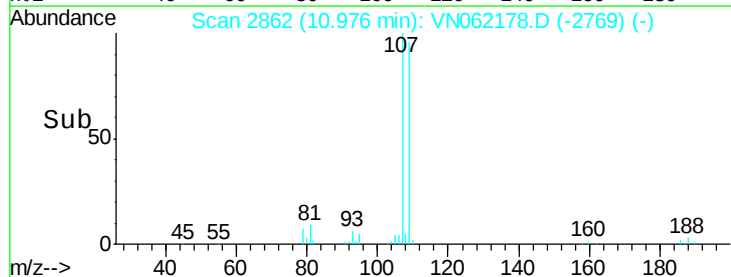
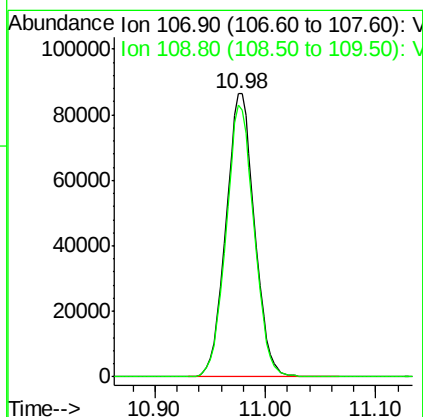
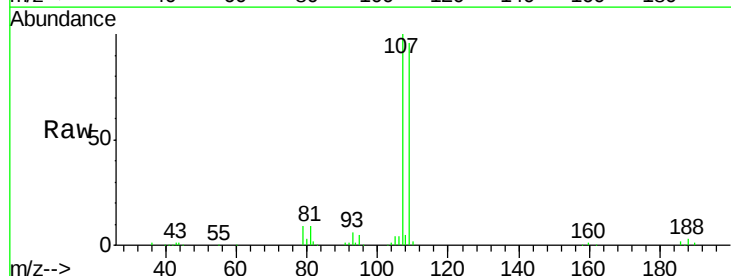
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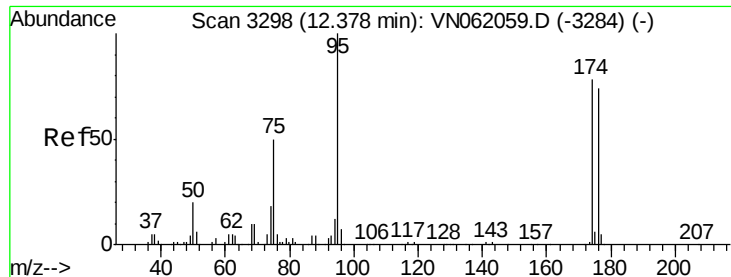
MMDadoda
6/29/2020 12:35:59 PM



#61
1,2-Dibromoethane
Concen: 49.203 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.0	112.6





#62

4-Bromofluorobenzene

Concen: 49.344 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

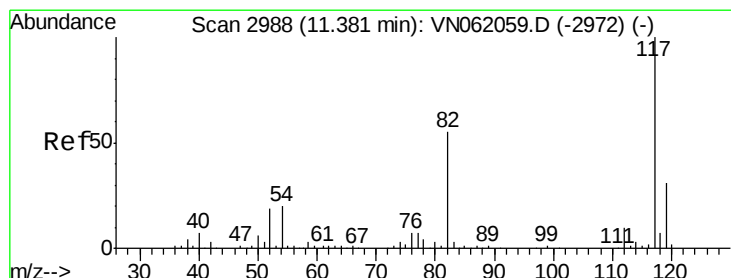
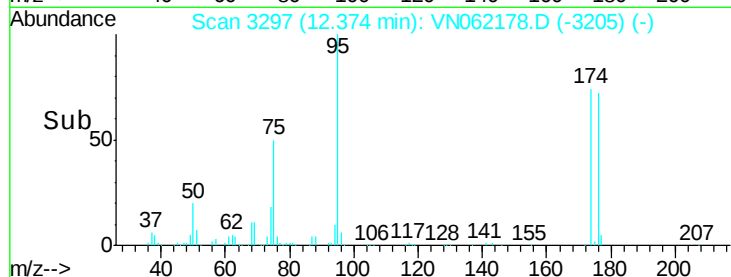
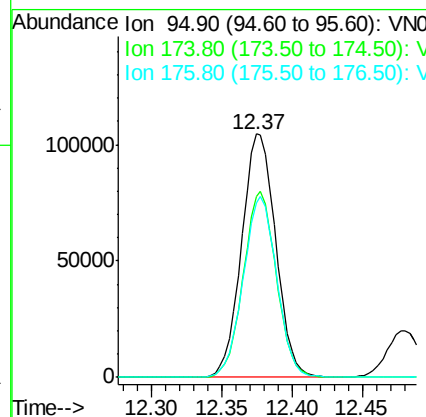
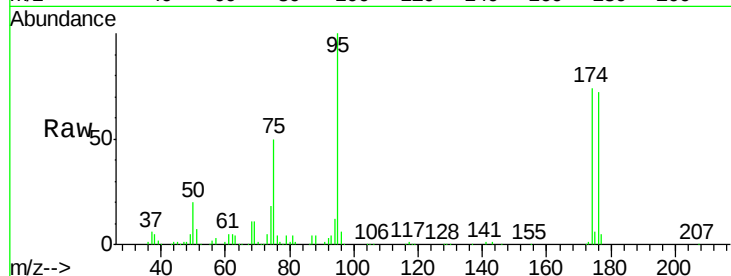
ClientSampleId :

56BR-20200622MSD

Tot Ion:	95	Resp:	177877
Ion Ratio	Lower	Upper	
95	100		
174	73.8	0.0	154.8
176	72.6	0.0	147.4

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6/29/2020 12:35:59 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

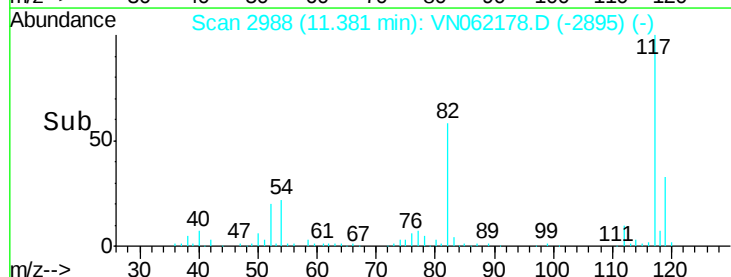
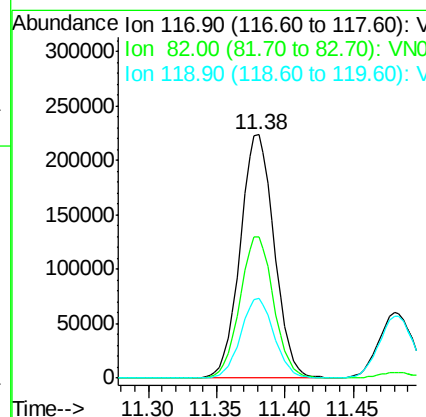
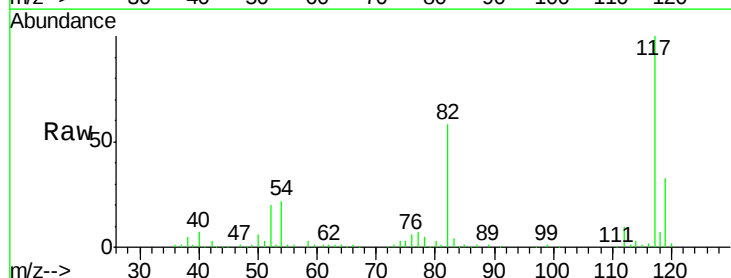
RT: 11.38 min Scan# 2988

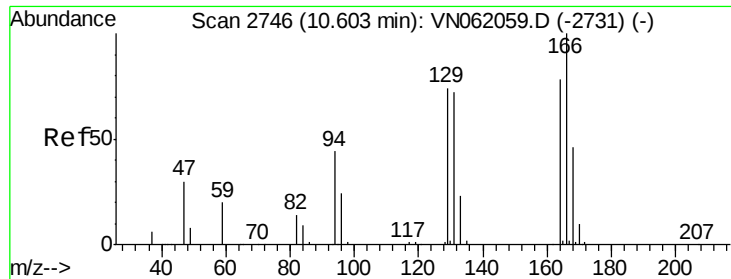
Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	117	Resp:	387711
Ion Ratio	Lower	Upper	
117	100		
82	57.8	43.8	65.8
119	32.5	25.2	37.8





#64

Tetrachloroethene

Concen: 53.568 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion:164 Resp: 141870

Ion Ratio Lower Upper

164 100

166 126.6 102.9 154.3

129 98.3 75.8 113.8

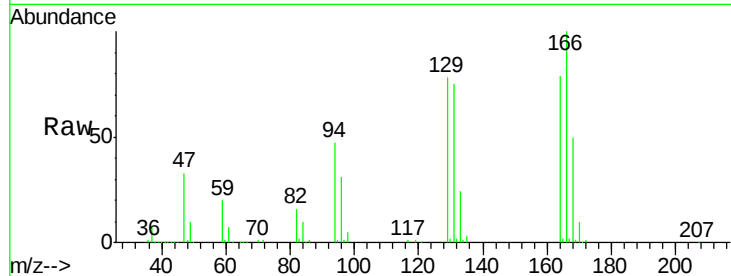
131 95.5 73.8 110.6

Manual Integrations

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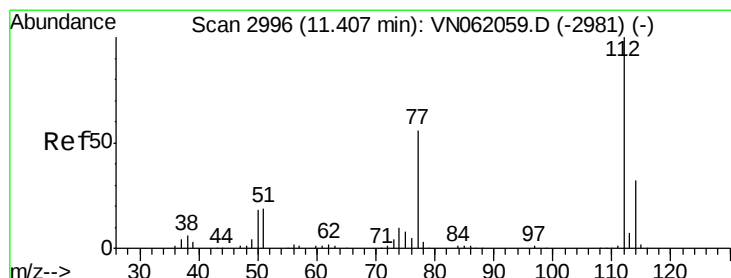
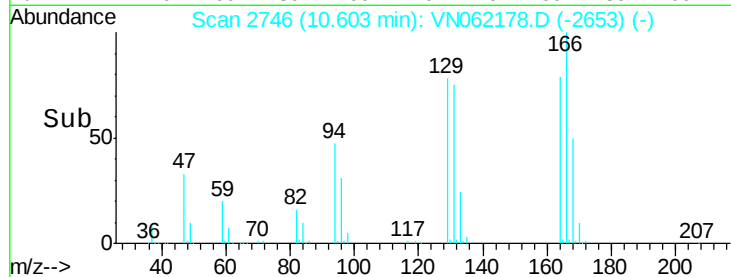
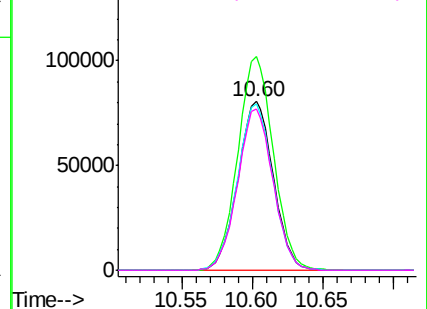
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.748 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062178.D

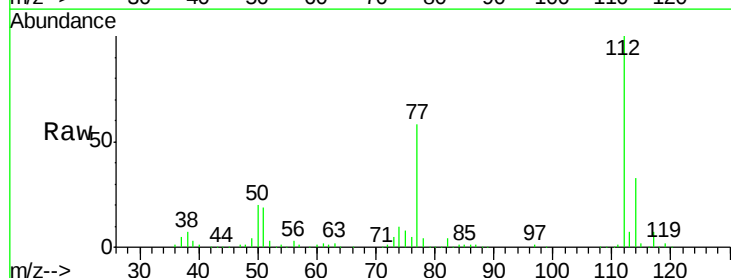
Acq: 27 Jun 2020 7:29

Tgt Ion:112 Resp: 406539

Ion Ratio Lower Upper

112 100

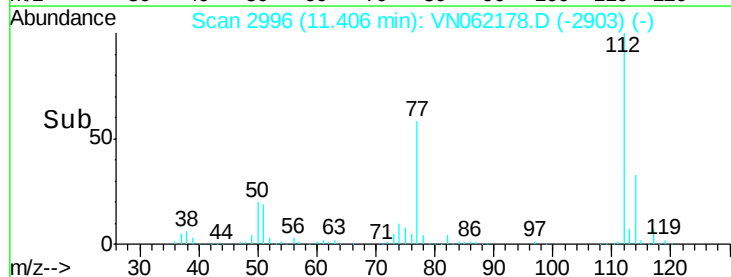
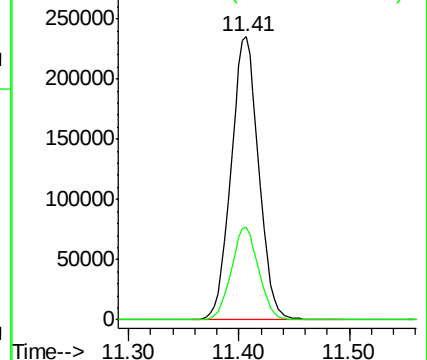
114 32.6 25.8 38.8

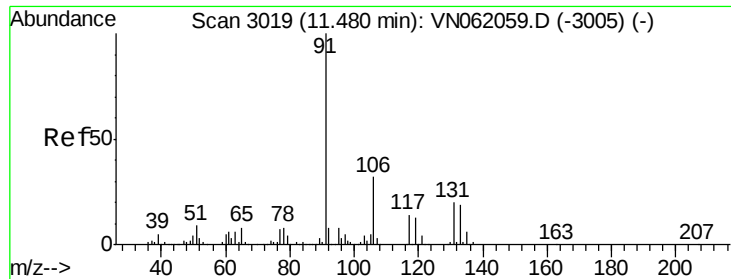


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.712 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

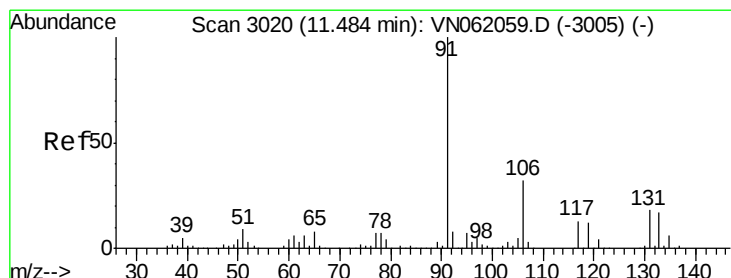
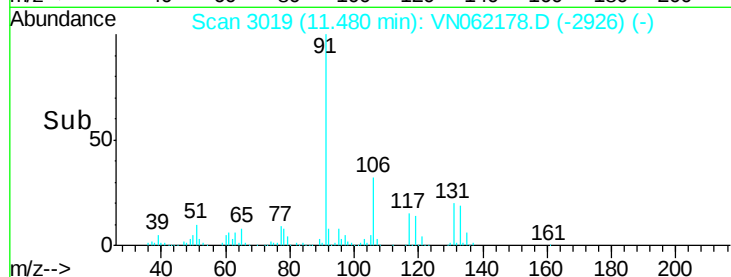
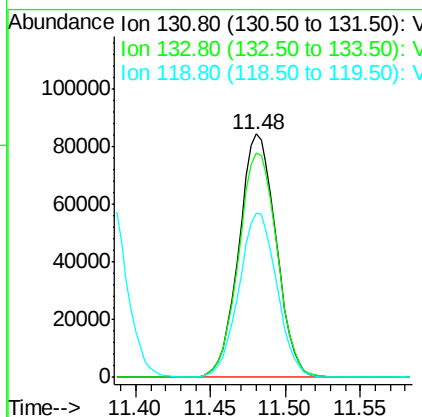
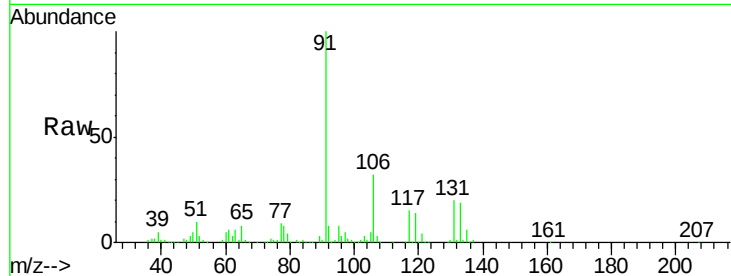
ClientSampleId :

56BR-20200622MSD

Tot Ion:	131	Resp:	146359
Ion Ratio	Lower	Upper	
131	100		
133	95.2	47.6	142.9
119	68.8	34.4	103.3

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#67

Ethyl Benzene

Concen: 50.843 ug/l

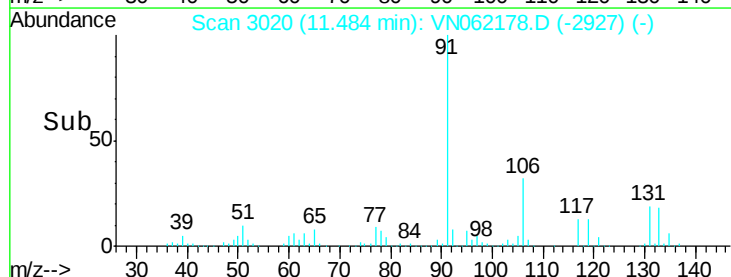
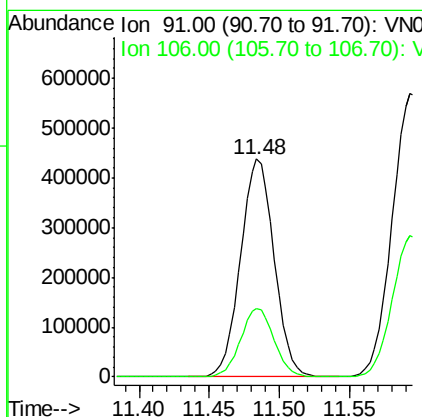
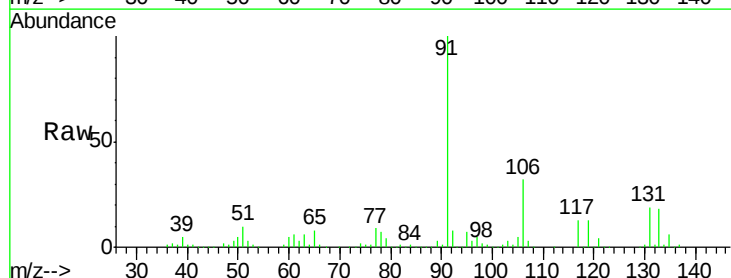
RT: 11.48 min Scan# 3020

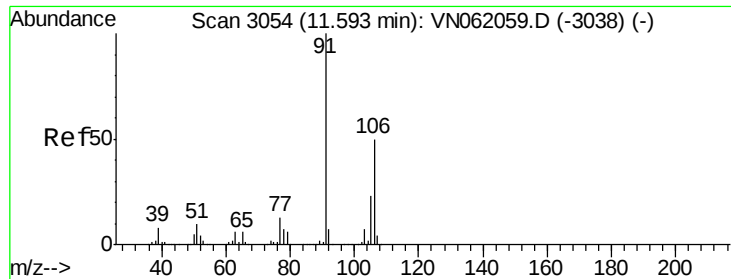
Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Tgt Ion:	91	Resp:	731091
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.3	37.9





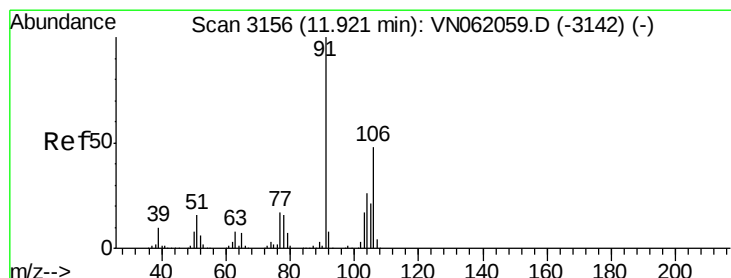
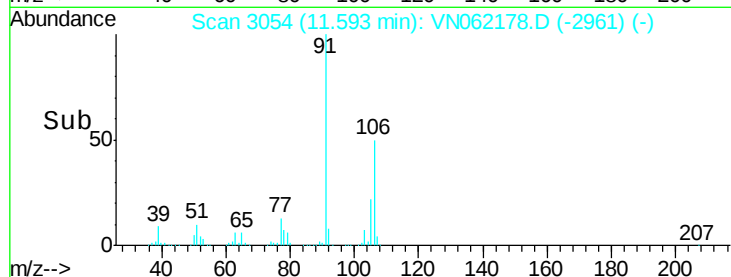
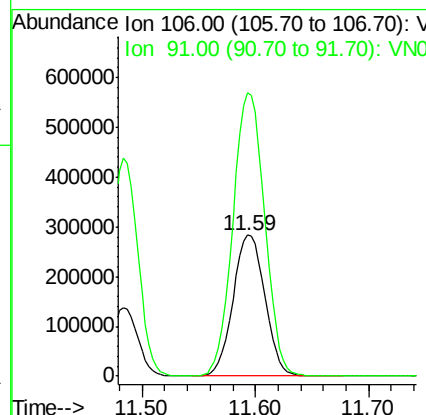
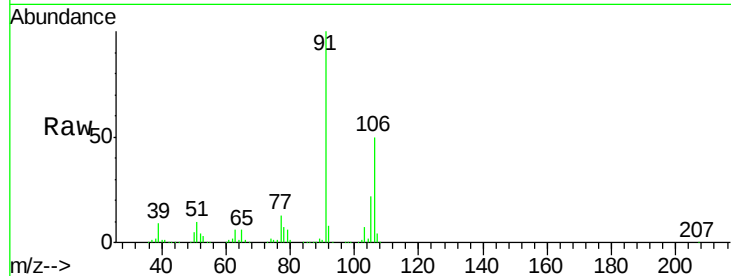
#68
m/p-Xylenes
Concen: 99.526 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		553538		
91	200.8	157.8	236.8		

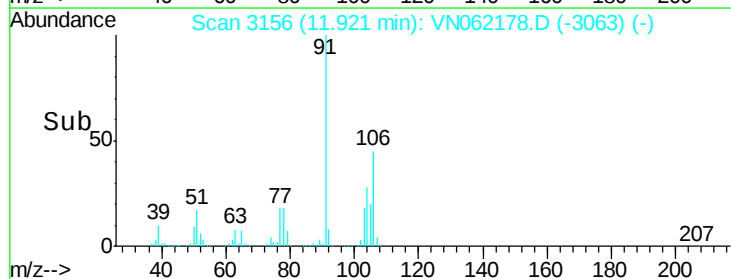
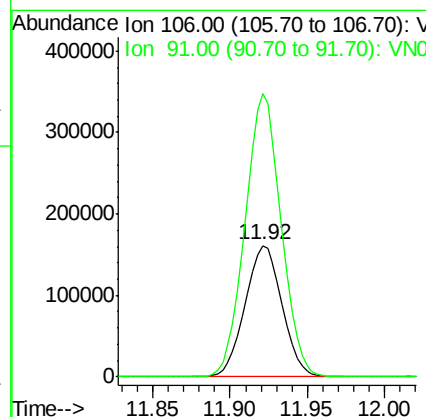
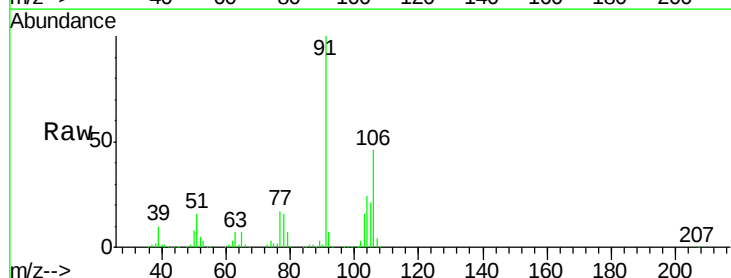
Manual Integrations
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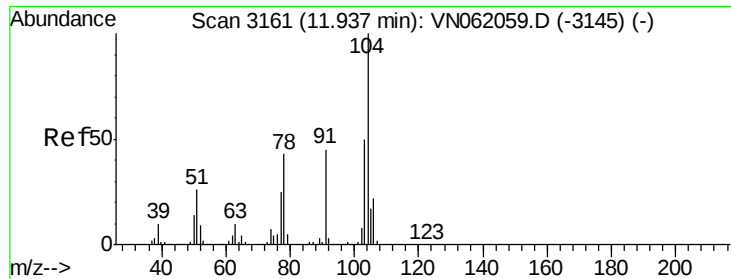
MMDadoda
6/29/2020 12:35:59 PM



#69
o-Xylene
Concen: 50.935 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		267284		
91	211.3	104.0	311.9		





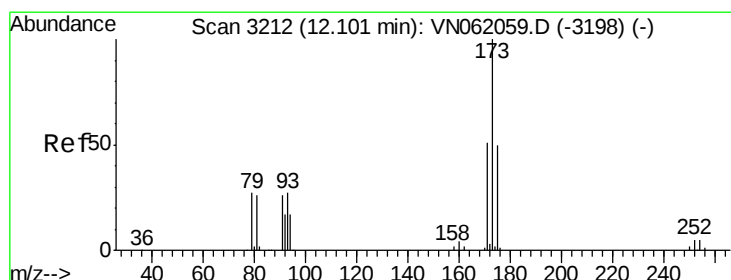
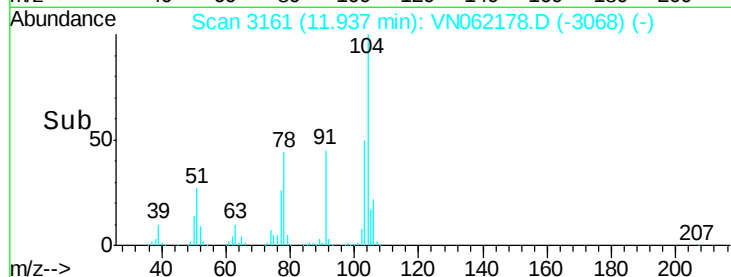
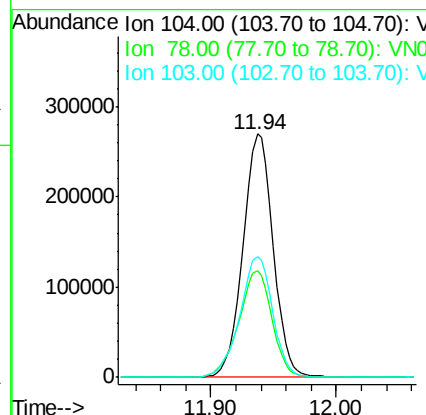
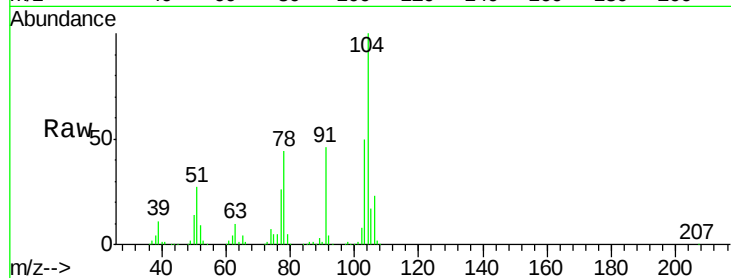
#70
Stvrene
Concen: 51.442 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	37.7	56.5
103	54.1	43.0	64.6

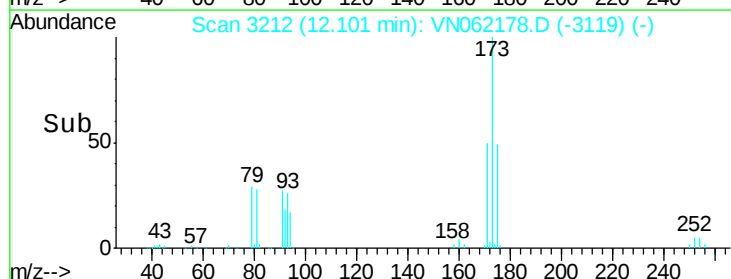
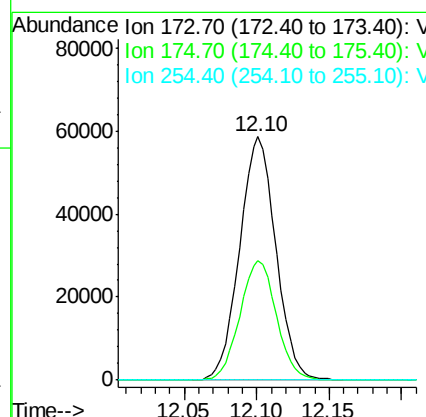
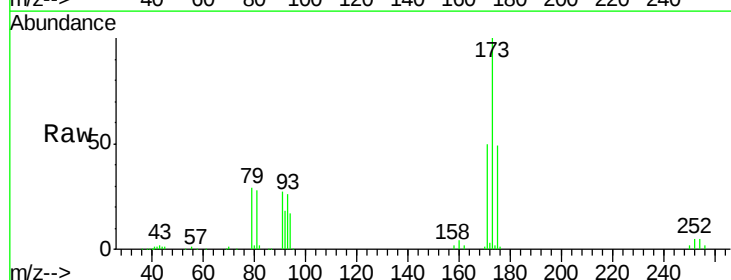
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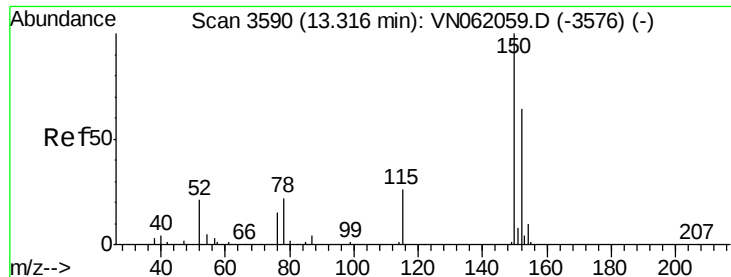
MMDadoda
6/29/2020 12:35:59 PM



#71
Bromoform
Concen: 48.494 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion:152 Resp: 178566

Ion Ratio Lower Upper

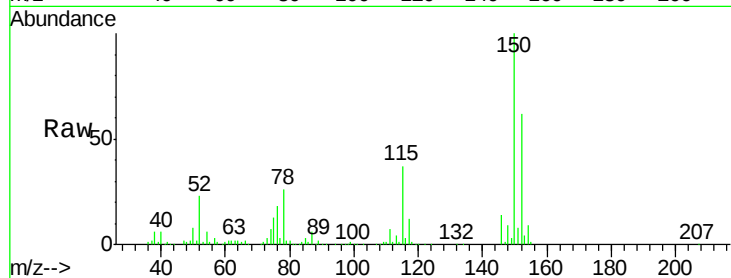
152 100

115 60.0 29.5 88.5

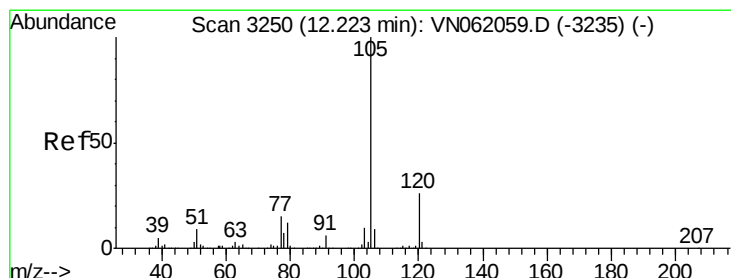
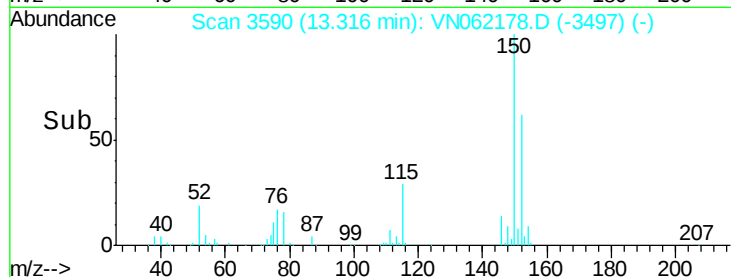
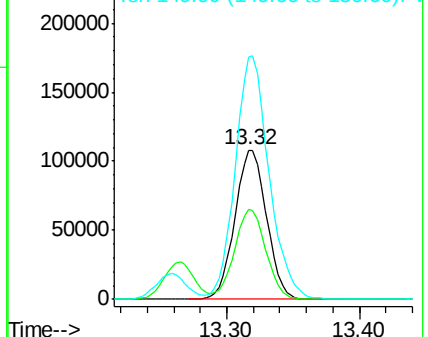
150 174.3 0.0 351.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.468 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062178.D

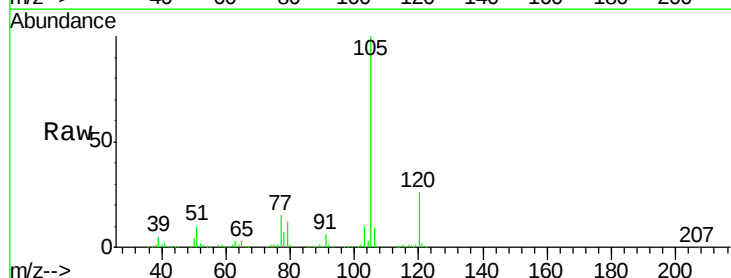
Acq: 27 Jun 2020 7:29

Tgt Ion:105 Resp: 697585

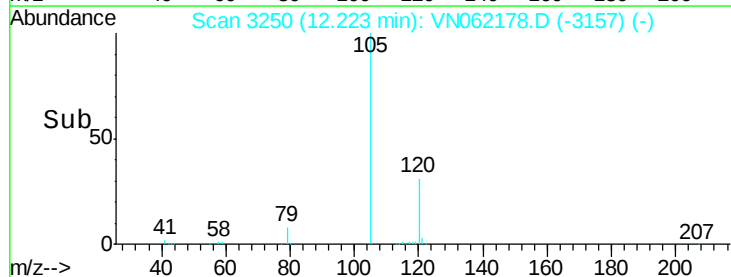
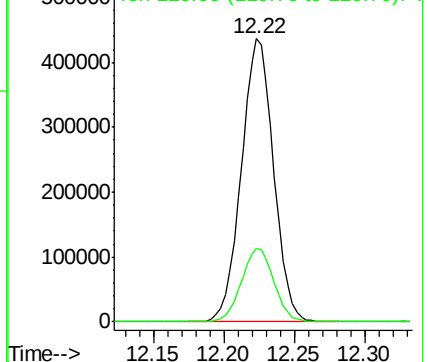
Ion Ratio Lower Upper

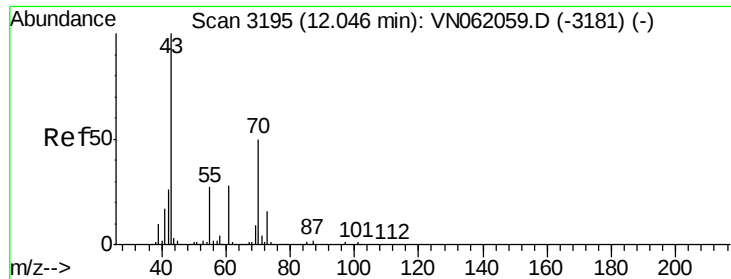
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





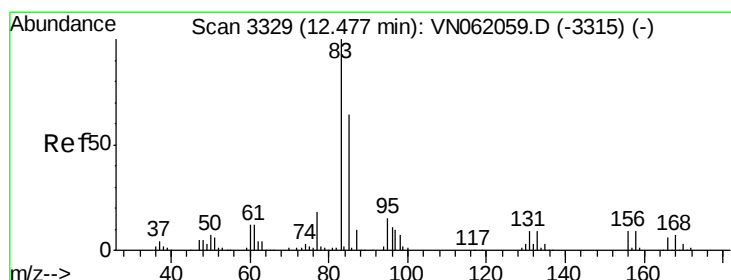
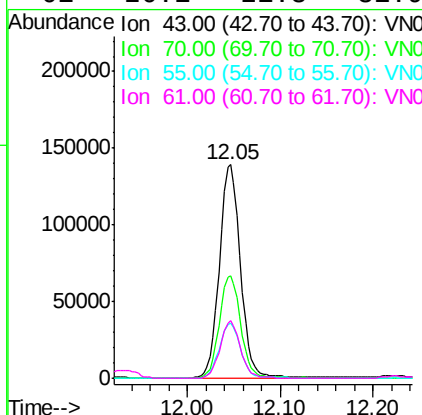
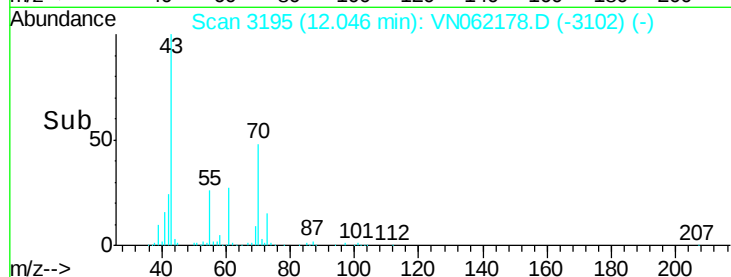
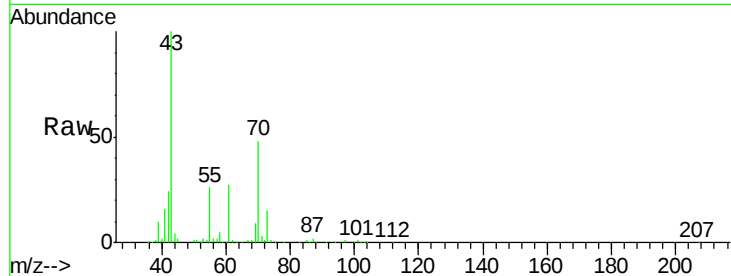
#74
N-amyl acetate
Concen: 43.387 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		218355		
70	48.9	39.4	59.2		
55	26.3	21.7	32.5		
61	26.1	21.3	31.9		

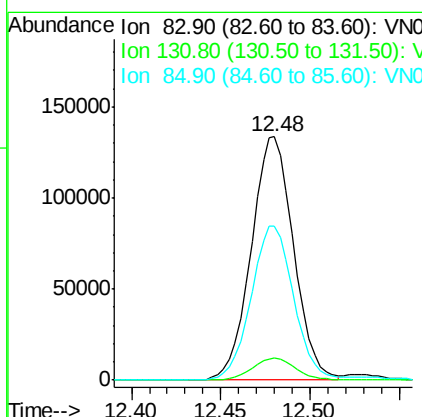
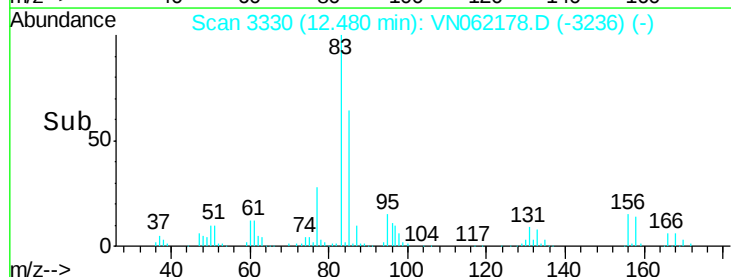
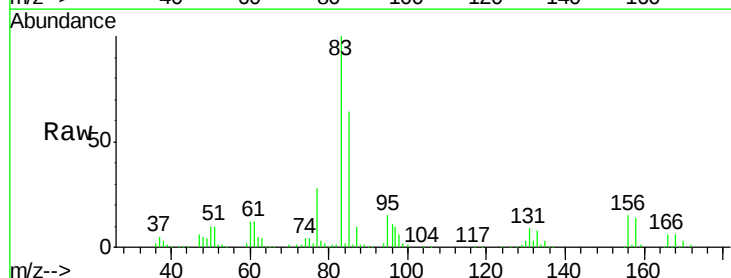
Manual Integrations
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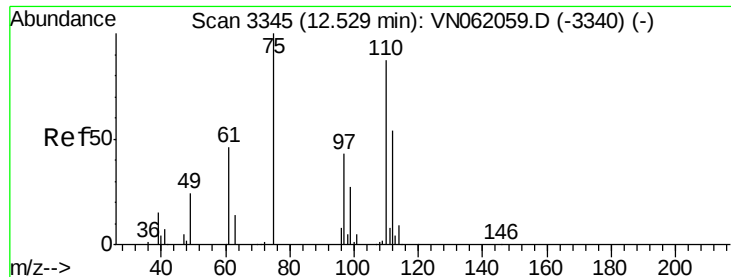
MMDadoda
6/29/2020 12:35:59 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 48.217 ug/l
RT: 12.48 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		221788		
131	9.2	4.8	14.4		
85	63.7	32.4	97.0		





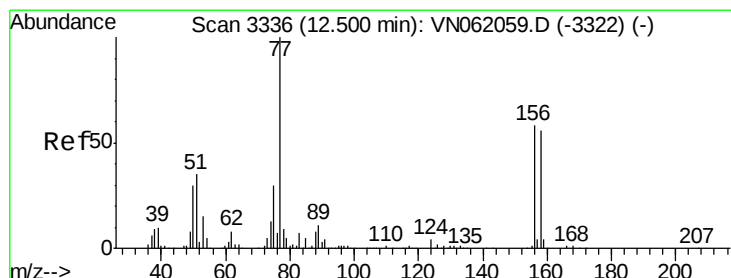
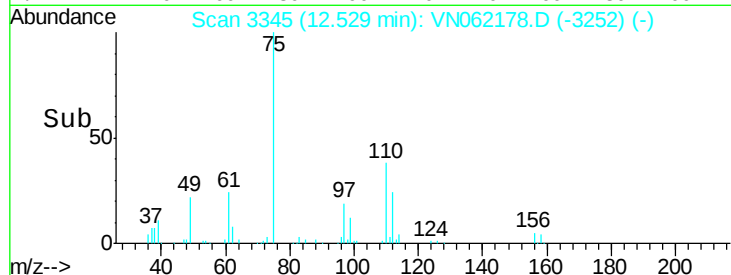
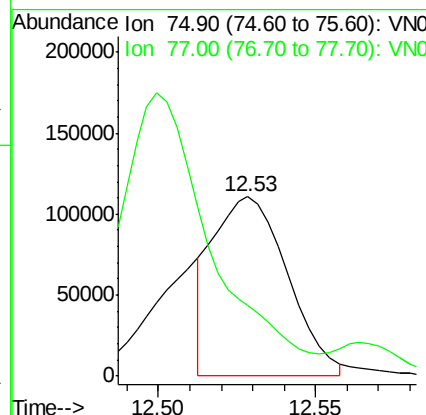
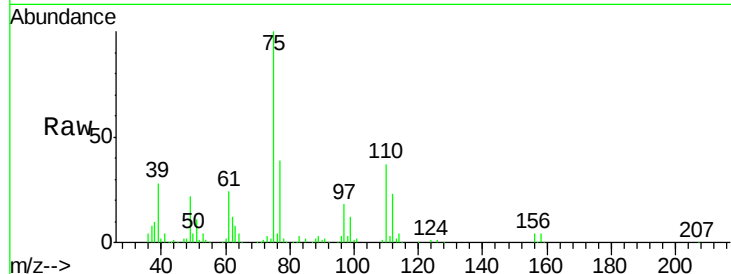
#76
 1,2,3-Trichloropropane
 Concen: 43.208 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

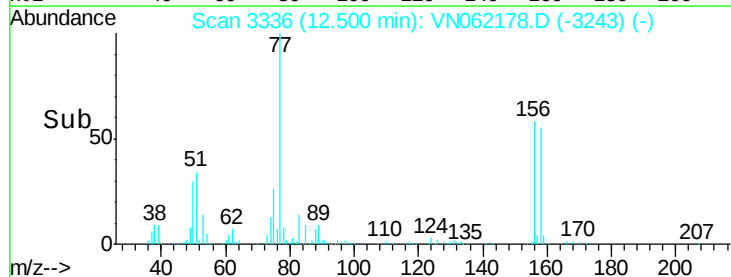
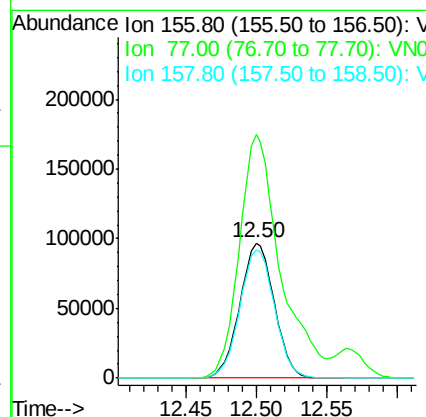
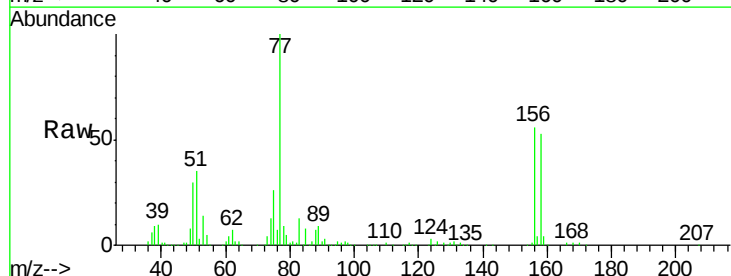
Manual Integrations
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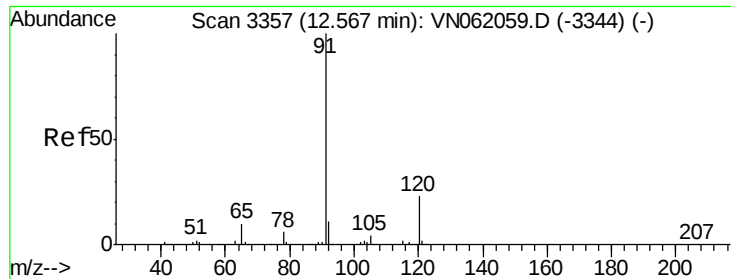
MMDadoda
 6/29/2020 12:35:59 PM



#77
 Bromobenzene
 Concen: 48.265 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
156	100		
77	215.0	104.6	313.8
158	96.0	48.0	144.0





#78

n-propylbenzene

Concen: 50.972 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 91 Resp: 805910

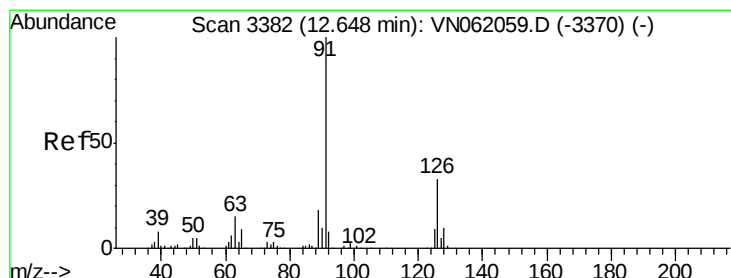
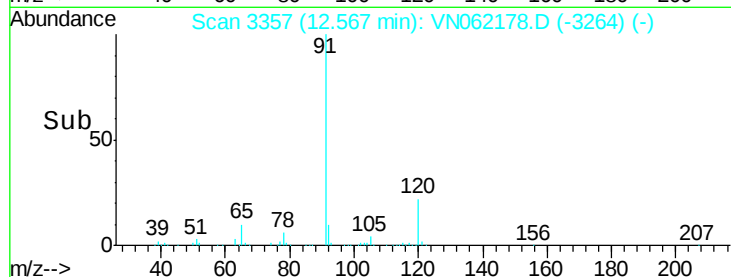
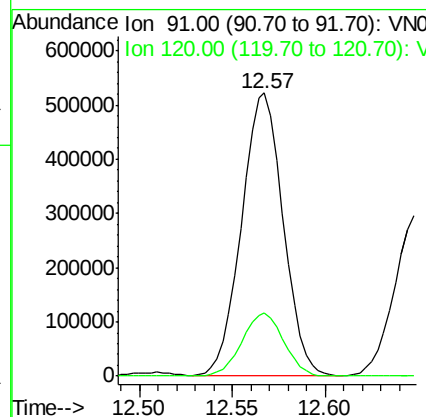
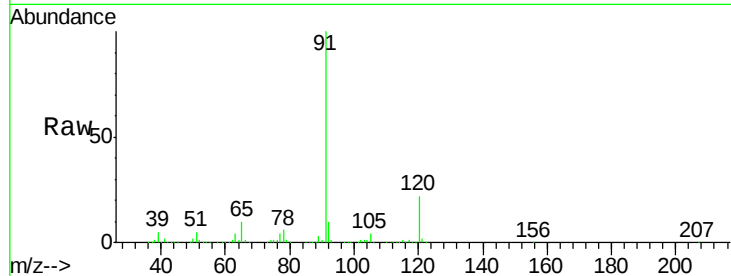
Ion Ratio Lower Upper

91 100

120 22.6 11.4 34.1

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#79

2-Chlorotoluene

Concen: 49.708 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062178.D

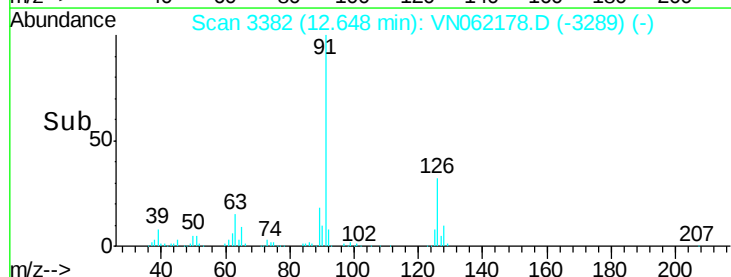
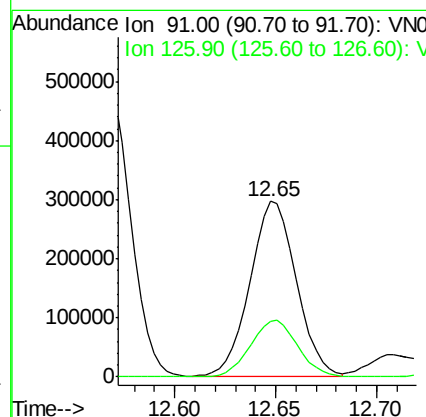
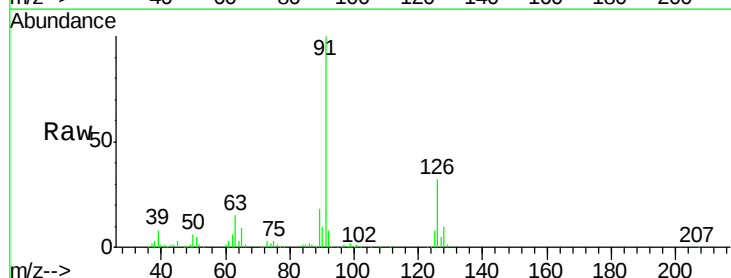
Acq: 27 Jun 2020 7:29

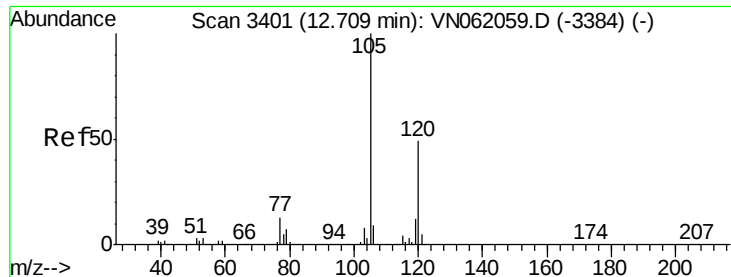
Tgt Ion: 91 Resp: 475127

Ion Ratio Lower Upper

91 100

126 33.1 16.9 50.7





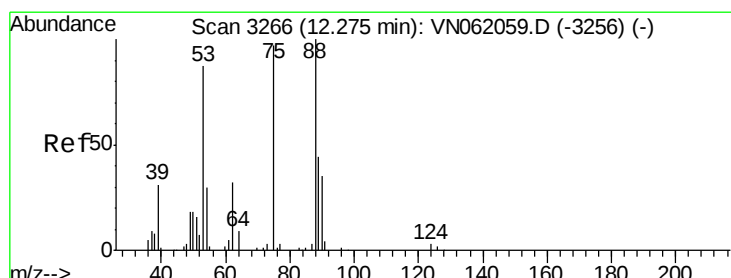
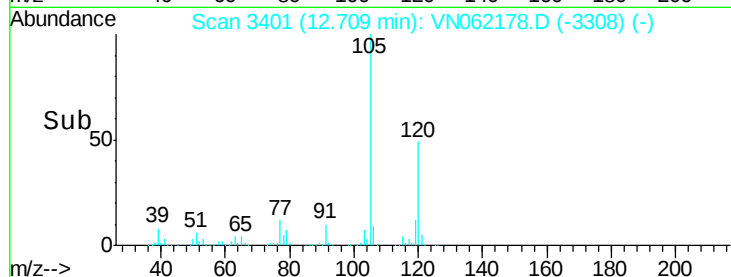
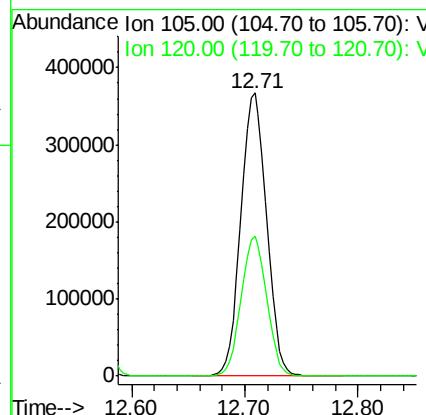
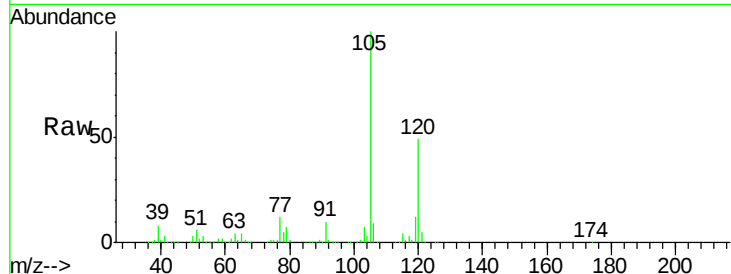
#80
 1,3,5-Trimethylbenzene
 Concen: 51.849 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	580975		
120	49.3	24.6	74.0	

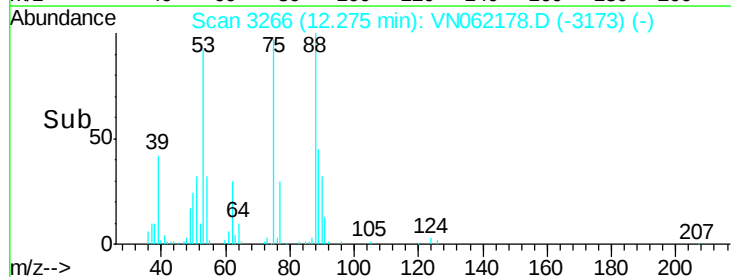
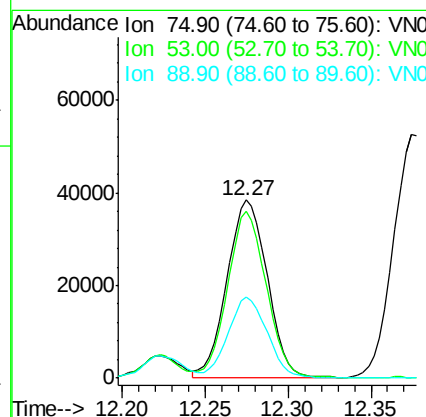
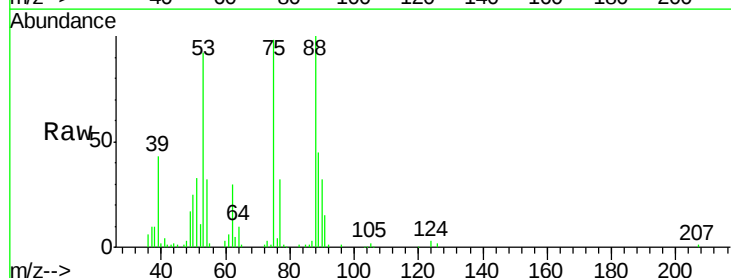
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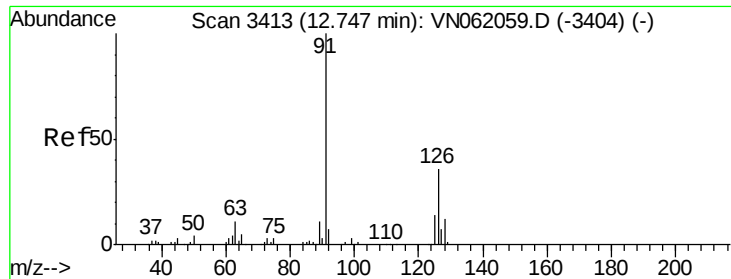
MMDadoda
 6/29/2020 12:35:59 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.151 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64991		
53	90.6	72.0	108.0	
89	44.5	36.9	55.3	





#82

4-Chlorotoluene

Concen: 50.344 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MSD

Tot Ion: 91 Resp: 497620

Ion Ratio Lower Upper

91 100

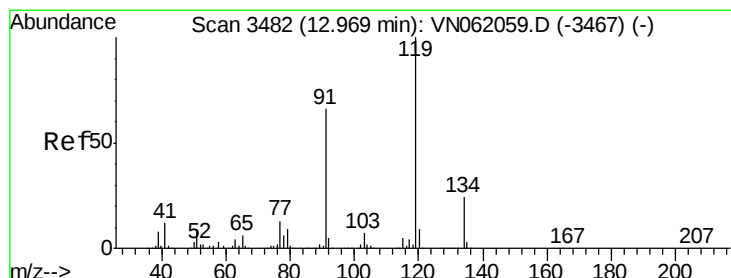
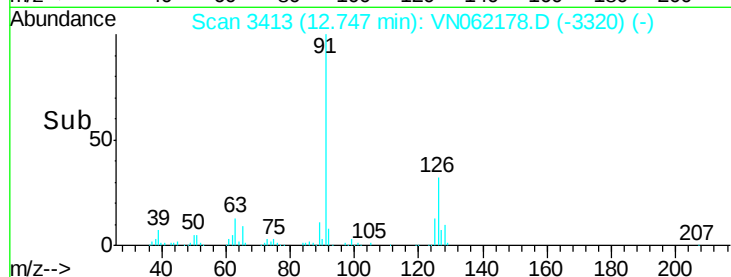
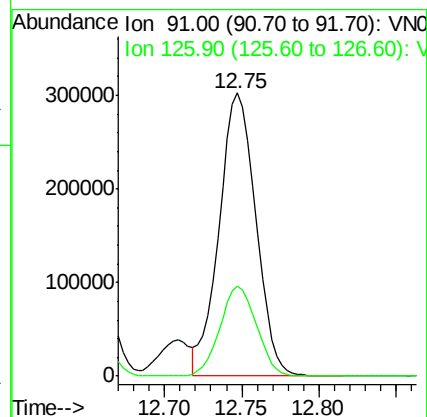
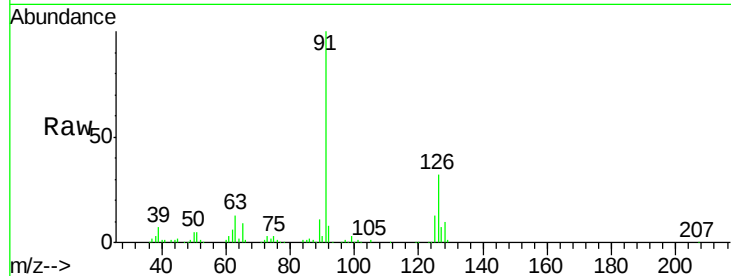
126 31.6 16.7 50.1

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.971 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062178.D

Acq: 27 Jun 2020 7:29

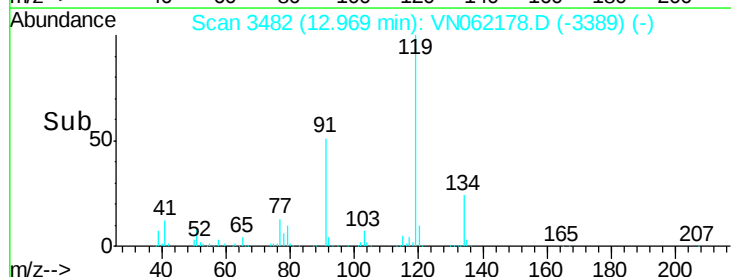
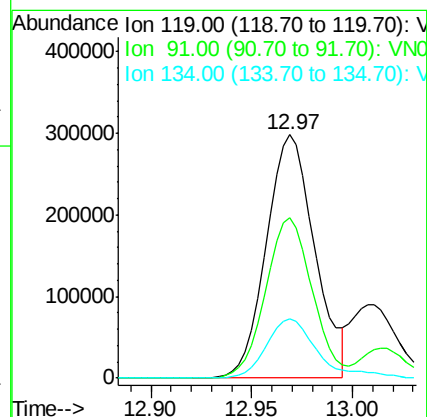
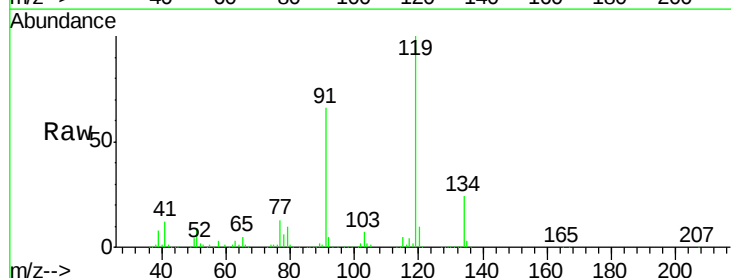
Tgt Ion: 119 Resp: 498375

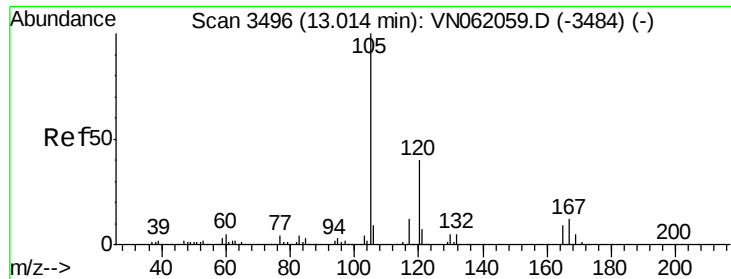
Ion Ratio Lower Upper

119 100

91 63.6 31.7 95.1

134 25.7 13.1 39.1





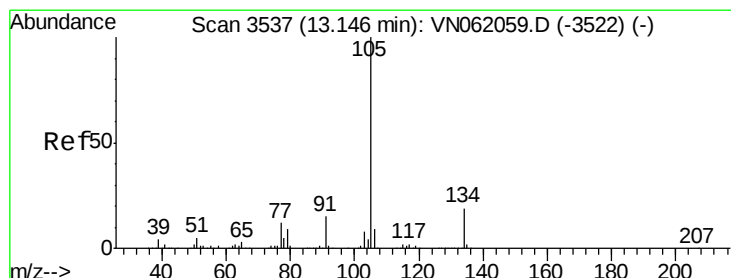
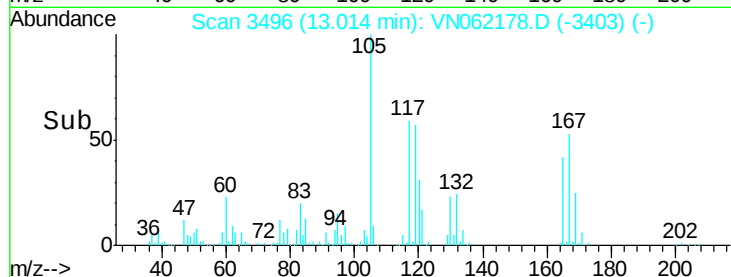
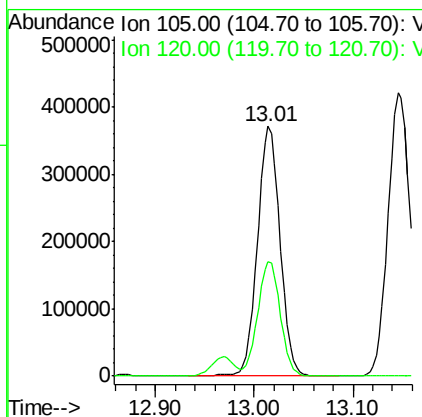
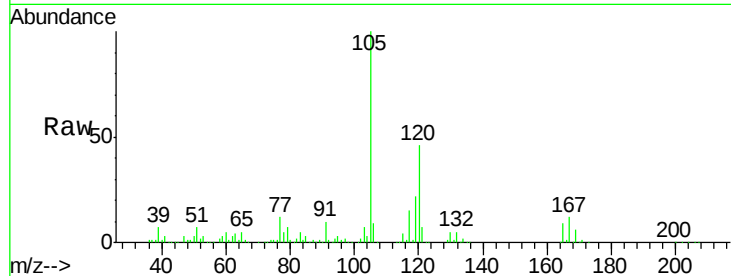
#84
 1,2,4-Trimethylbenzene
 Concen: 52.354 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5

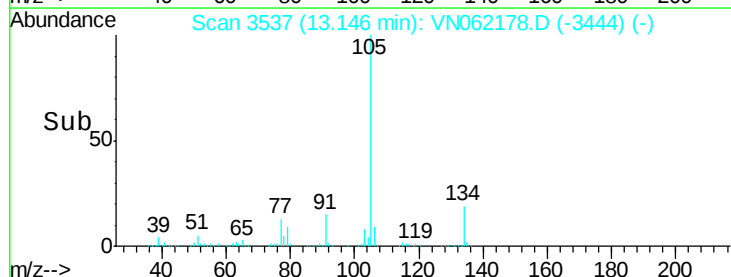
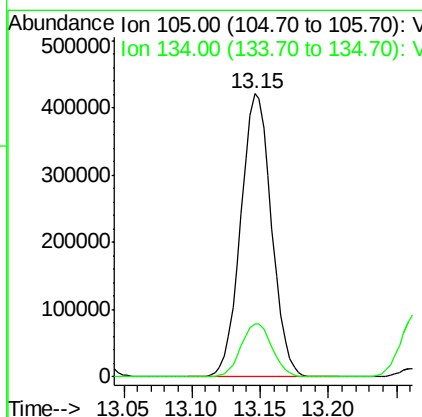
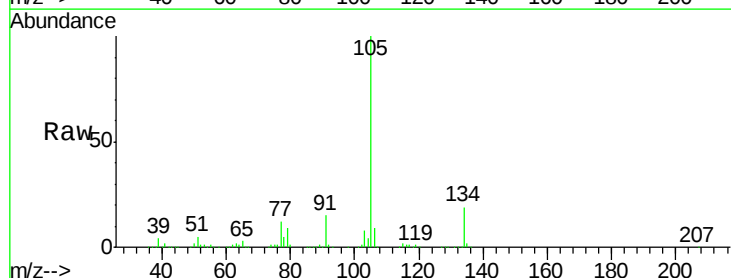
Manual Integrations
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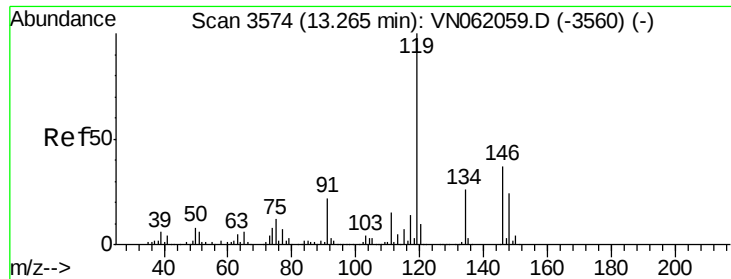
MMDadoda
 6/29/2020 12:35:59 PM



#85
 sec-Butylbenzene
 Concen: 51.942 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1





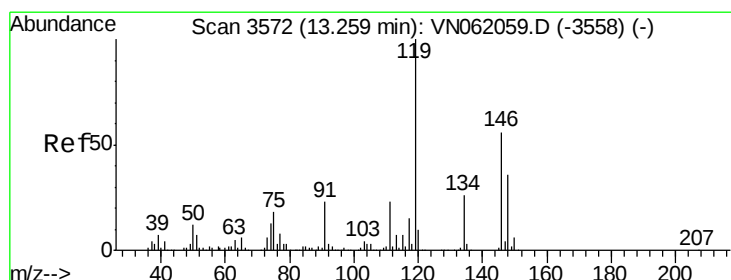
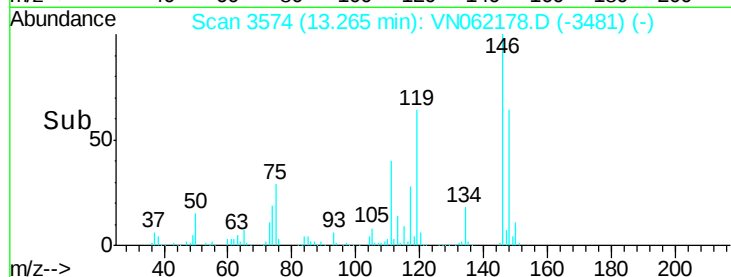
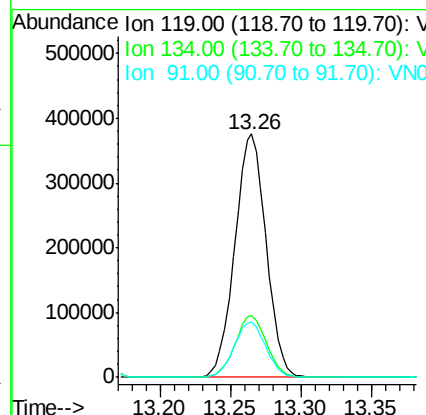
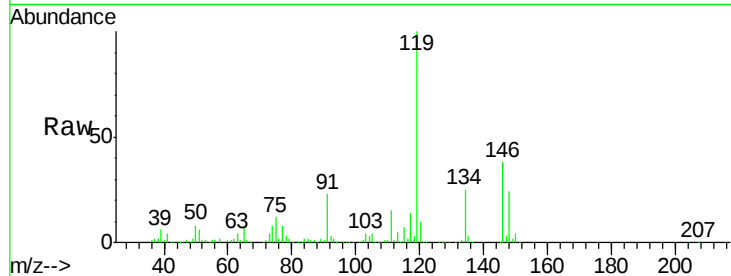
#86
p-Isopropyltoluene
Concen: 52.308 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	580706		
134	25.6		13.0	39.0
91	23.0		11.3	33.8

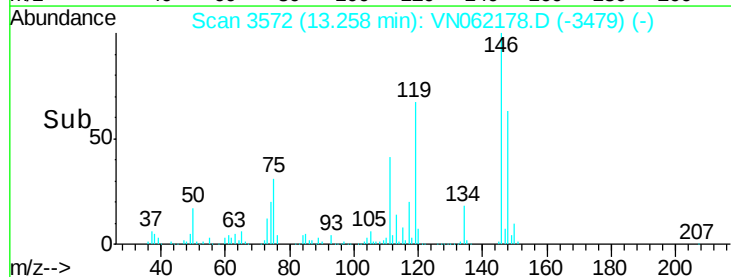
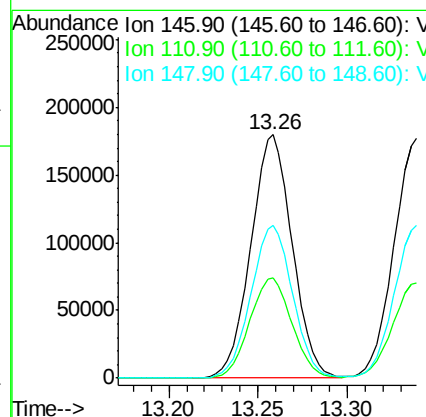
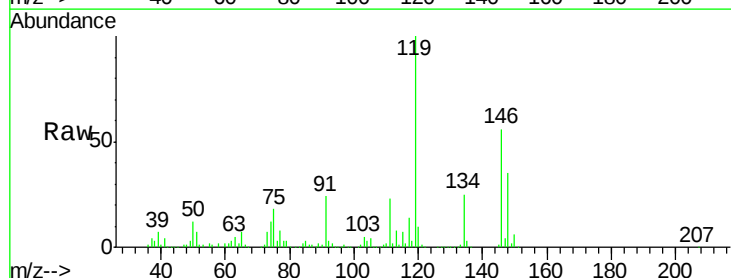
Manual Integrations
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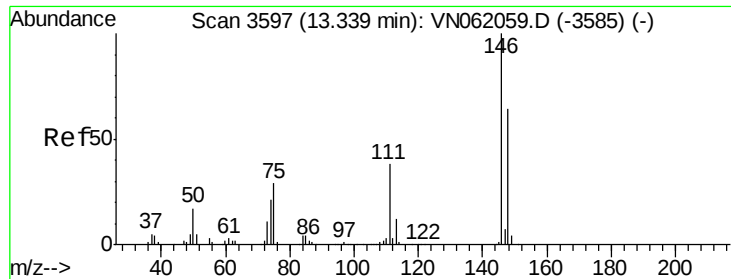
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#87
1,3-Dichlorobenzene
Concen: 48.476 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	292113		
111	42.0		20.3	61.0
148	63.2		31.8	95.3





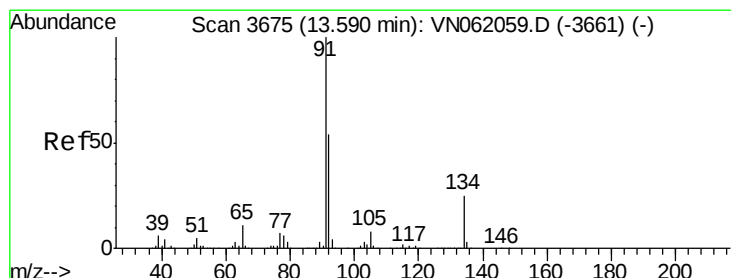
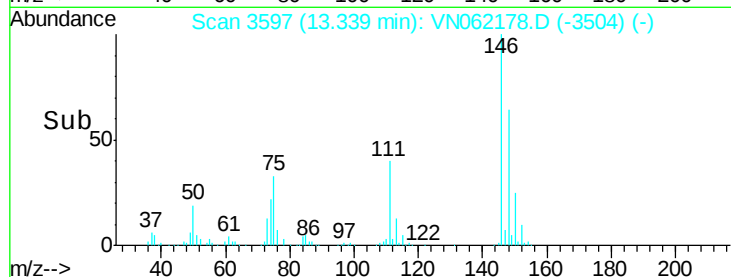
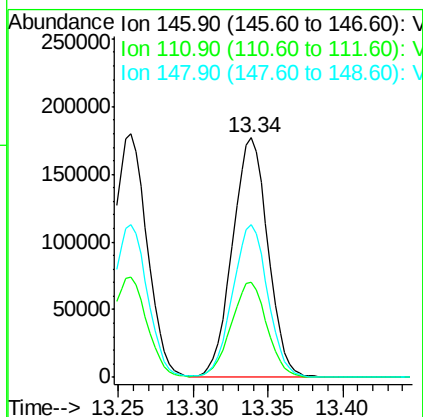
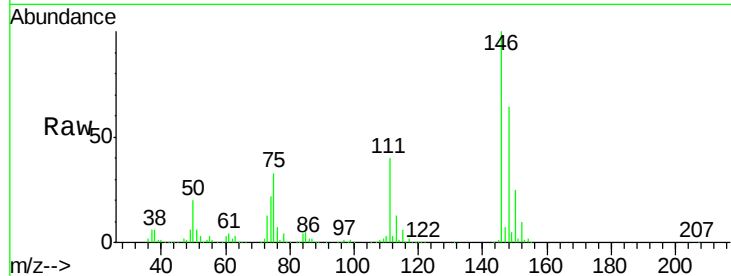
#88
 1,4-Dichlorobenzene
 Concen: 46.921 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291454		
111	40.2	19.9	59.6	
148	63.1	31.9	95.9	

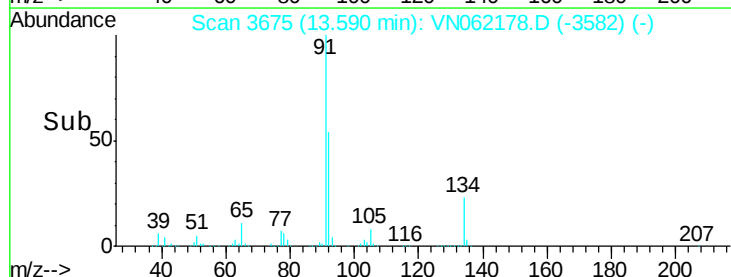
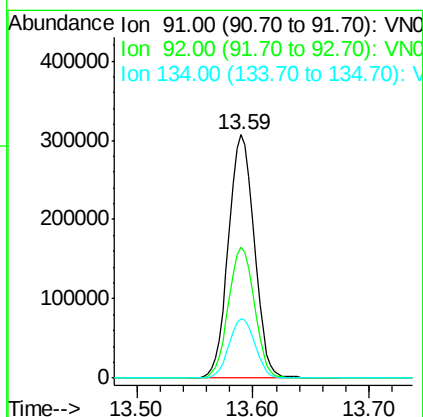
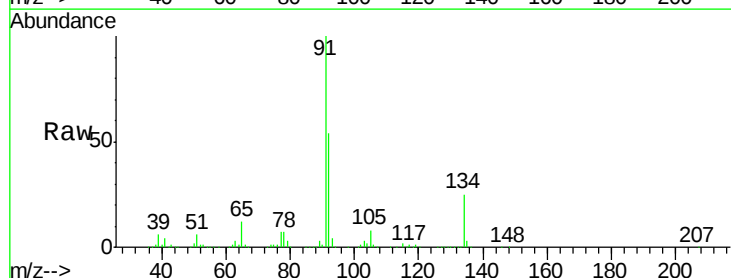
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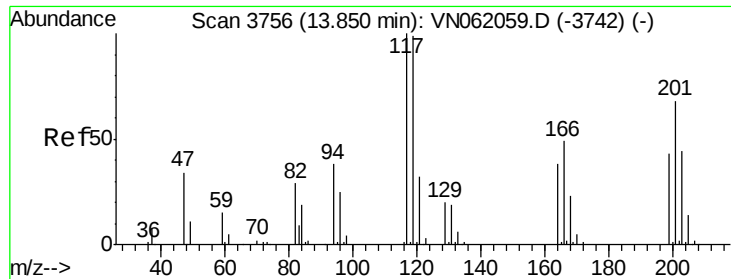
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 6/29/2020 12:35:59 PM



#89
 n-Butylbenzene
 Concen: 51.393 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	474334		
92	54.0	26.6	79.7	
134	24.3	12.3	36.9	





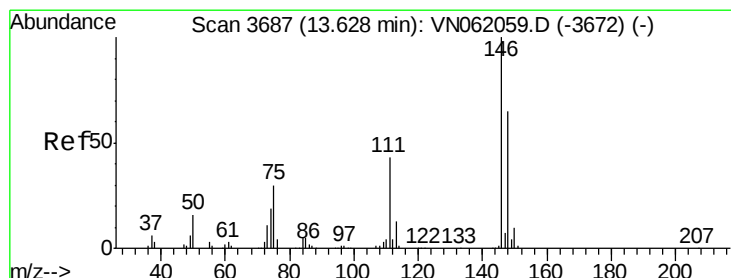
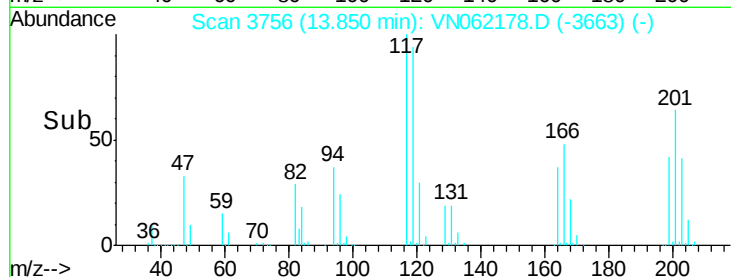
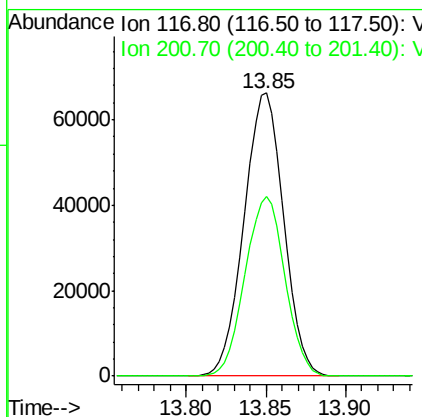
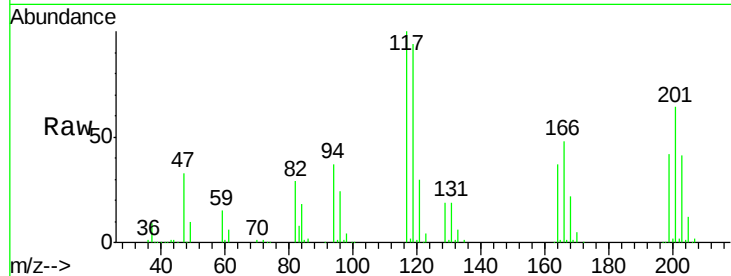
#90
Hexachloroethane
Concen: 51.521 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion:117 Resp: 112219
Ion Ratio Lower Upper
117 100
201 63.8 32.7 98.1

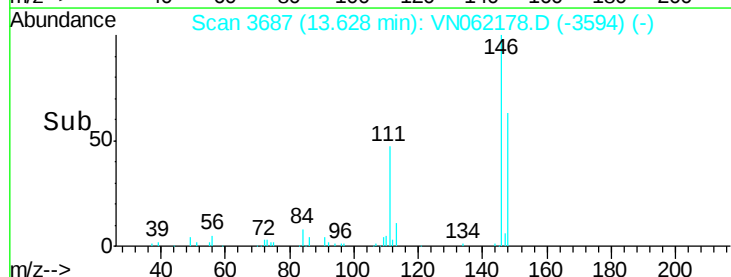
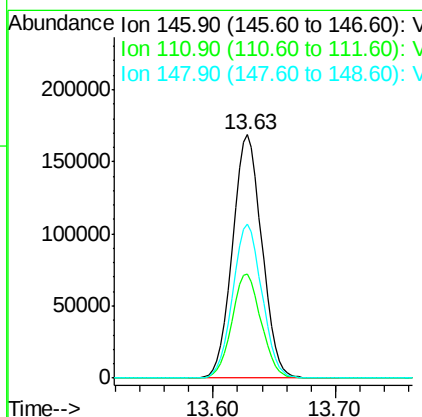
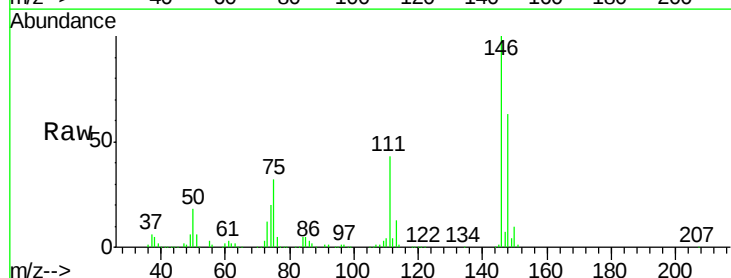
Manual Integrations
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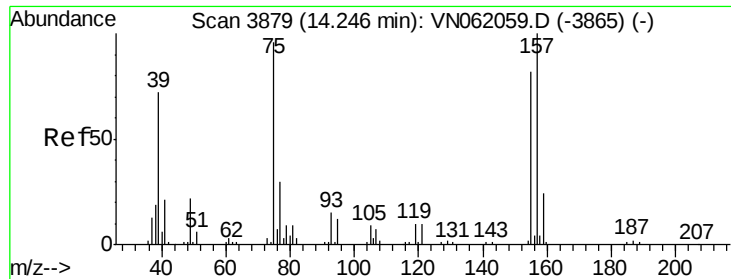
MMDadoda
6/29/2020 12:35:59 PM



#91
1,2-Dichlorobenzene
Concen: 48.345 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion:146 Resp: 282502
Ion Ratio Lower Upper
146 100
111 42.8 21.2 63.6
148 63.1 31.9 95.5





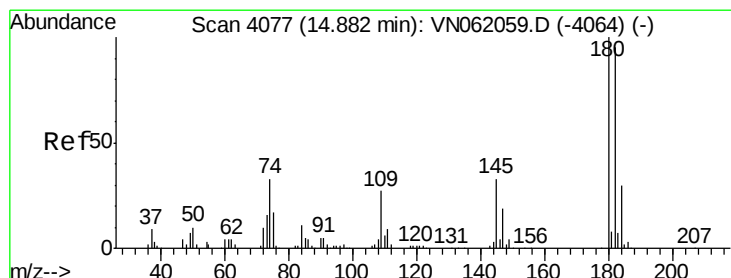
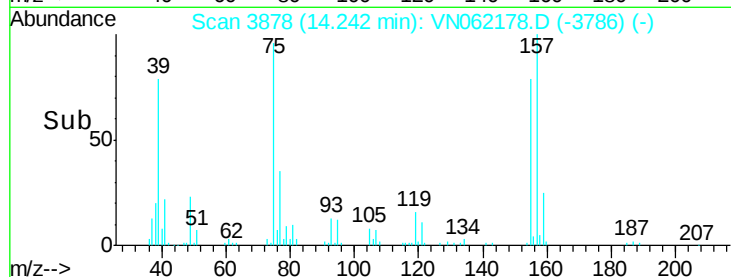
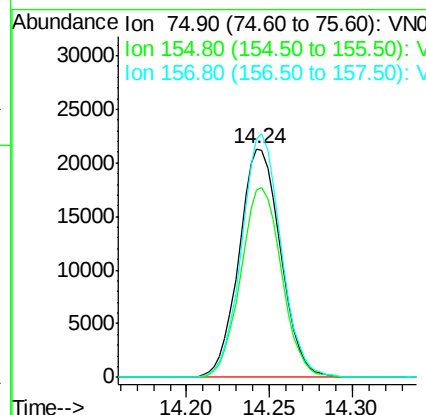
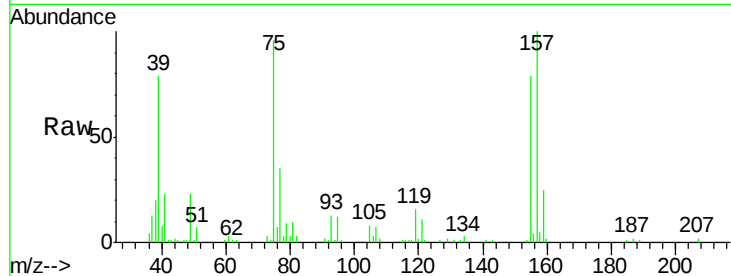
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.381 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.5	40.8	122.4
157	100.8	51.4	154.3

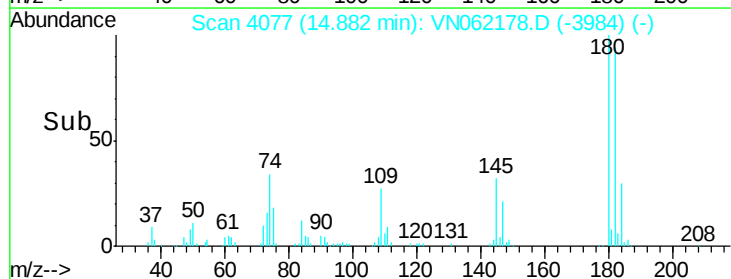
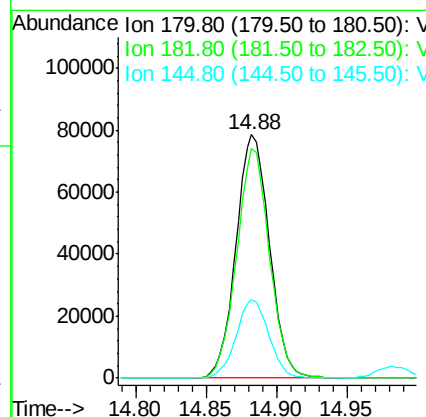
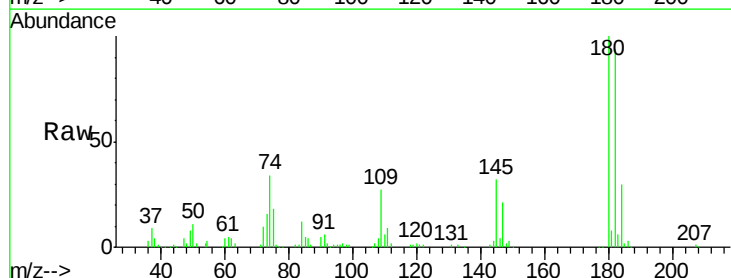
Manual Integrations
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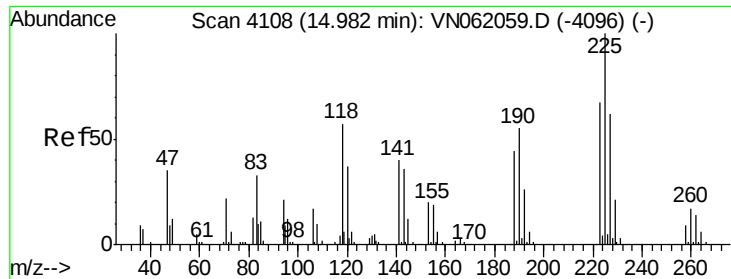
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#93
 1,2,4-Trichlorobenzene
 Concen: 51.177 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.0	144.2
145	31.8	16.0	48.0





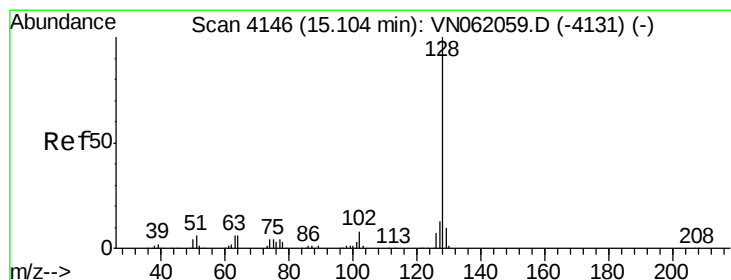
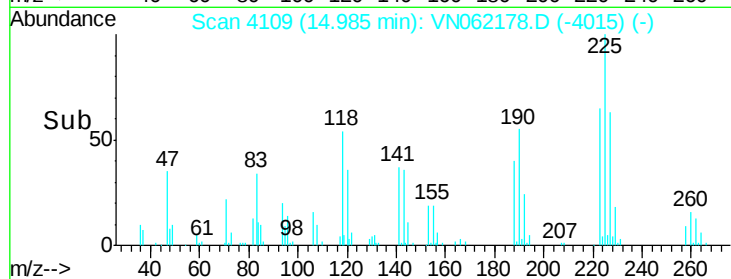
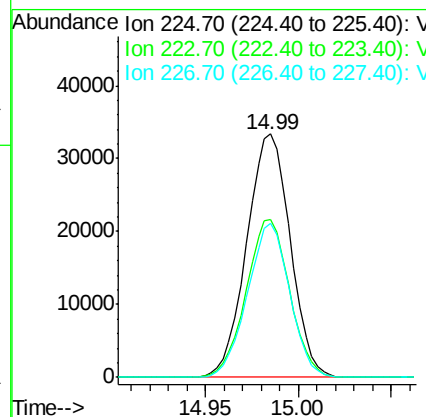
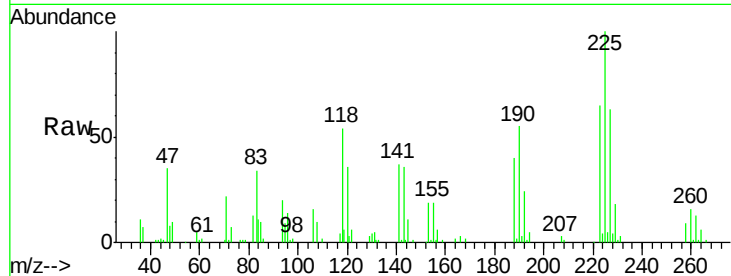
#94
Hexachlorobutadiene
Concen: 49.297 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	54657		
223	64.6		32.9	98.7
227	61.1		31.3	93.8

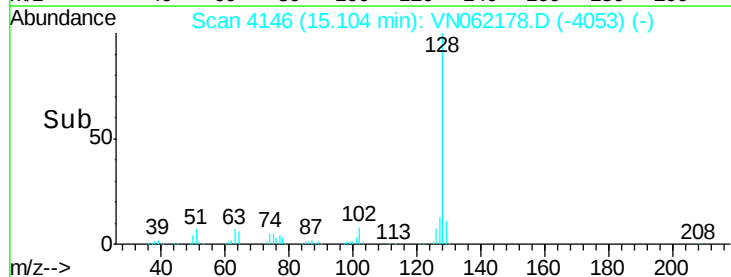
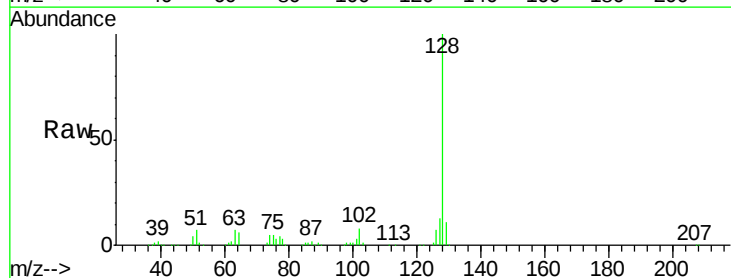
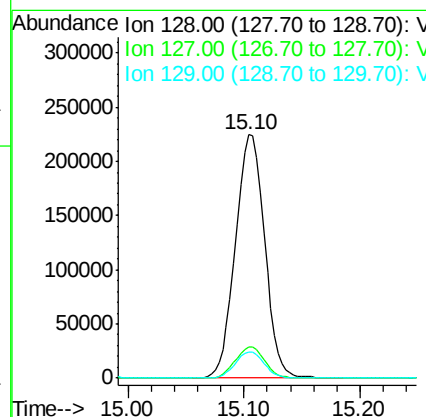
Manual Integrations
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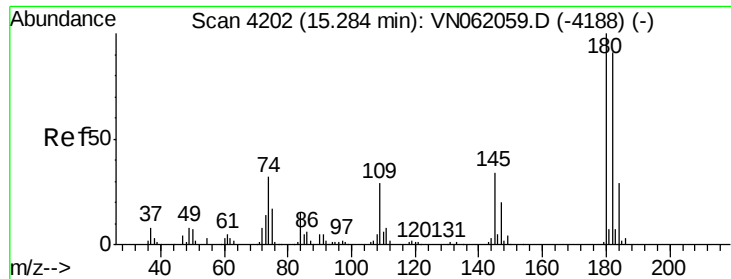
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#95
Naphthalene
Concen: 46.377 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062178.D
Acq: 27 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	392058		
127	12.9		10.5	15.7
129	10.6		8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 50.095 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062178.D
 Acq: 27 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MSD

Tot Ion:	180	Resp:	130757
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.8	140.4
145	33.5	16.4	49.2

Manual Integrations
 APPROVED

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