

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062358.D
 Acq On : 3 Jul 2020 1:21
 Operator : JC/MD
 Sample : L3127-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:36 AM

Quant Time: Jul 03 04:43:50 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	133710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	118616	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	113138	60.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.60%	
35) Dibromofluoromethane	7.55	113	85278	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.06	98	340609	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.37	95	118904	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62125	41.105	ug/l	98
3) Chloromethane	2.03	50	101687	57.346	ug/l	98
4) Vinyl Chloride	2.16	62	111565	46.874	ug/l	99
5) Bromomethane	2.52	94	69192	44.981	ug/l	97
6) Chloroethane	2.66	64	77937	47.936	ug/l	98
7) Trichlorofluoromethane	2.98	101	126566	43.156	ug/l	100
8) Diethyl Ether	3.37	74	60181	58.766	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	70612	45.978	ug/l	95
10) Methyl Iodide	3.91	142	98637	57.028	ug/l	98
11) Tert butyl alcohol	4.73	59	87775	325.805	ug/l	99
12) 1,1-Dichloroethene	3.70	96	77976	50.788	ug/l	97
13) Acrolein	3.56	56	60113	227.901	ug/l	100
14) Allyl chloride	4.28	41	126076	60.315	ug/l	98
15) Acrylonitrile	4.93	53	240948	328.199	ug/l	99
16) Acetone	3.77	43	195070	332.540	ug/l	97
17) Carbon Disulfide	4.00	76	214485	48.775	ug/l	99
18) Methyl Acetate	4.28	43	97424	65.314	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	297082	60.555	ug/l	97
20) Methylene Chloride	4.50	84	103498	60.129	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	90540	51.766	ug/l	92
22) Diisopropyl ether	5.90	45	306999	64.503	ug/l	97
23) Vinyl Acetate	5.84	43	1171468	301.473	ug/l	97
24) 1,1-Dichloroethane	5.80	63	179872	58.690	ug/l	98
25) 2-Butanone	6.79	43	299856	326.940	ug/l	95
26) 2,2-Dichloropropane	6.77	77	116682	45.687	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	110621	56.207	ug/l	98
28) Bromochloromethane	7.15	49	79196	59.557	ug/l	90
29) Tetrahydrofuran	7.17	42	203400	338.558	ug/l	96
30) Chloroform	7.33	83	179533	57.576	ug/l	98
31) Cyclohexane	7.61	56	124069	47.858	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	140766	53.530	ug/l	98
36) 1,1-Dichloropropene	7.75	75	124630	47.843	ug/l	97
37) Ethyl Acetate	6.88	43	119747	55.514	ug/l	98
38) Carbon Tetrachloride	7.73	117	112074	45.634	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117710	41.240	ug/l	96
40) Benzene	8.00	78	405758	51.104	ug/l	99
41) Methacrylonitrile	7.13	41	61980	61.978	ug/l	91
42) 1,2-Dichloroethane	8.09	62	145663	54.299	ug/l	99
43) Isopropyl Acetate	8.13	43	201217	57.223	ug/l	98
44) Trichloroethene	8.80	130	90447	45.159	ug/l	94
45) 1,2-Dichloropropane	9.09	63	110233	56.275	ug/l	100
46) Dibromomethane	9.18	93	69444	52.289	ug/l	95
47) Bromodichloromethane	9.37	83	144825	54.007	ug/l	98
48) Methyl methacrylate	9.17	41	101622	64.455	ug/l	92
49) 1,4-Dioxane	9.17	88	41678	1192.025	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	661521	321.991	ug/l	97
52) Toluene	10.12	92	249935	51.591	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	159219	53.968	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	164988	52.528	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	105130	55.205	ug/l	97
56) Ethyl methacrylate	10.40	69	154998	60.989	ug/l	96
57) 1,3-Dichloropropane	10.68	76	182574	55.699	ug/l	100
59) 2-Hexanone	10.72	43	485131	327.012	ug/l	98
60) Dibromochloromethane	10.87	129	107936	53.535	ug/l	98
61) 1,2-Dibromoethane	10.98	107	103391	52.838	ug/l	100
64) Tetrachloroethene	10.60	164	67437	39.956	ug/l	98
65) Chlorobenzene	11.41	112	266612	49.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	95617	50.963	ug/l	99
67) Ethyl Benzene	11.48	91	473461	51.667	ug/l	98
68) m/p-Xylenes	11.59	106	358690	101.201	ug/l	97
69) o-Xylene	11.92	106	174332	52.131	ug/l	97
70) Stvrene	11.94	104	301378	54.038	ug/l	99
71) Bromoform	12.10	173	69816	52.337	ug/l #	98
73) Isopropylbenzene	12.22	105	449102	48.912	ug/l	99
74) N-amyl acetate	12.04	43	178379	52.590	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	164641	53.884	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	145822m	52.223	ug/l	
77) Bromobenzene	12.50	156	108194	47.463	ug/l	90
78) n-propylbenzene	12.57	91	526627	50.142	ug/l	98
79) 2-Chlorotoluene	12.65	91	321767	50.677	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	381183	51.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51831	54.208	ug/l	95
82) 4-Chlorotoluene	12.75	91	332660	50.665	ug/l	98
83) tert-Butylbenzene	12.97	119	308691	48.460	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	387151	52.079	ug/l	98
85) sec-Butylbenzene	13.15	105	415911	49.412	ug/l	99
86) p-Isopropyltoluene	13.26	119	371438	50.368	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	197371	49.307	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	194769	47.203	ug/l	99
89) n-Butylbenzene	13.59	91	305076	49.760	ug/l	99
90) Hexachloroethane	13.85	117	73403	50.733	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	193865	49.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27901	57.002	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	79861	47.096	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	32298	43.854	ug/l	98
95) Naphthalene	15.10	128	245416	43.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	83280	48.031	ug/l	99

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

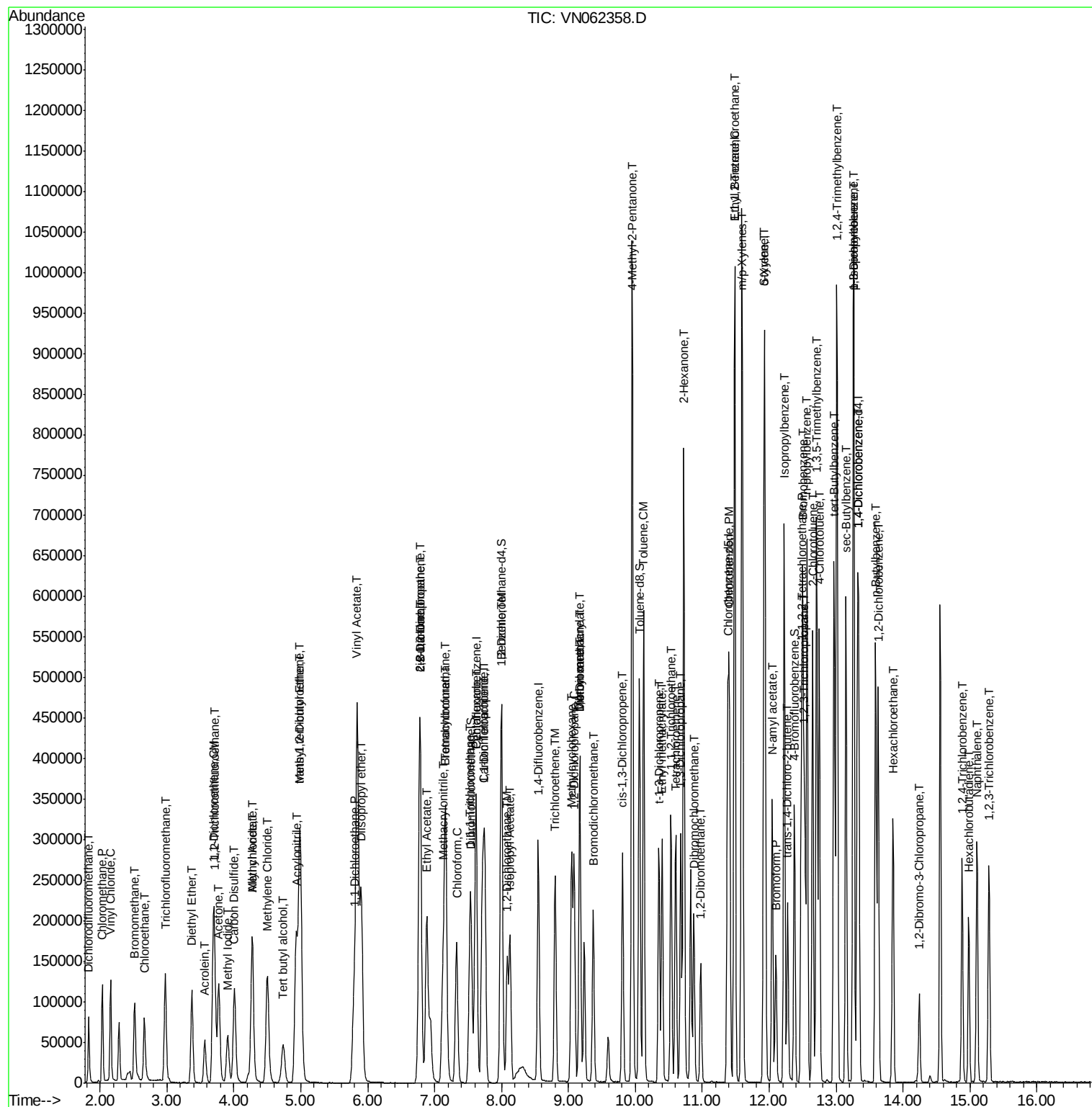
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion:168 Resp: 133710

Ion Ratio Lower Upper

168 100

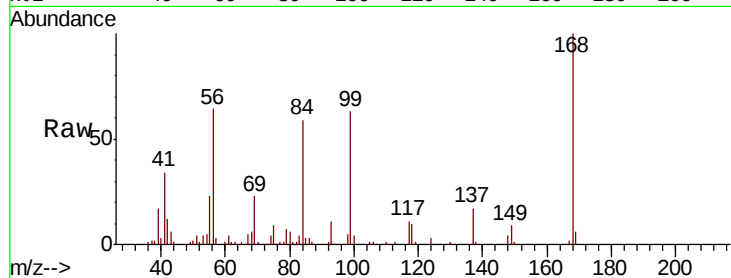
99 63.2 45.8 68.8

Manual Integrations

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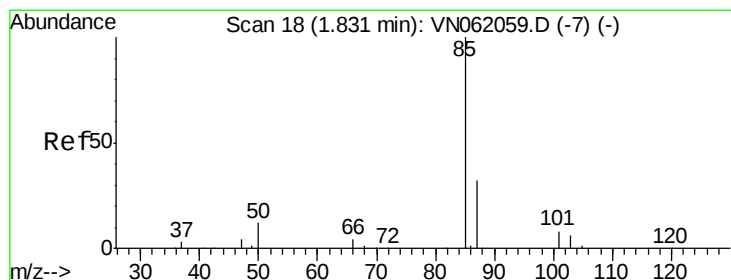
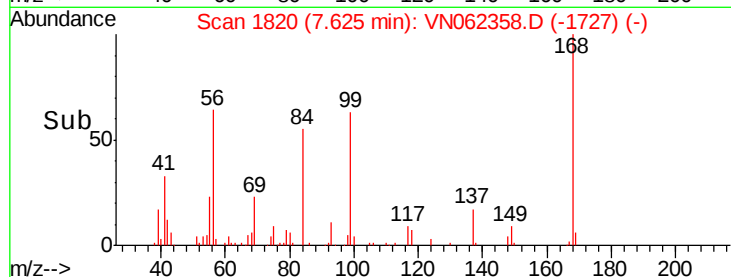
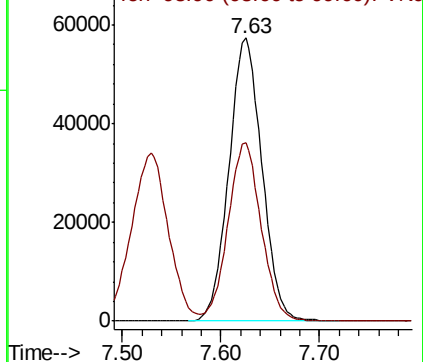
sam

7/6/2020 11:34:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.105 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062358.D

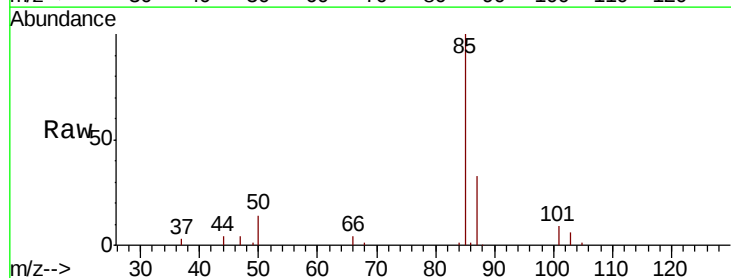
Acq: 3 Jul 2020 1:21

Tgt Ion: 85 Resp: 62125

Ion Ratio Lower Upper

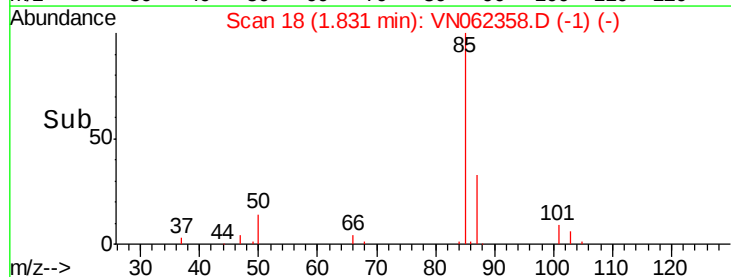
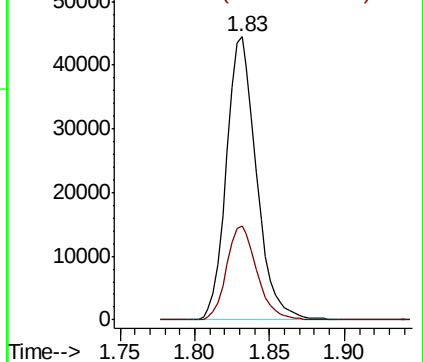
85 100

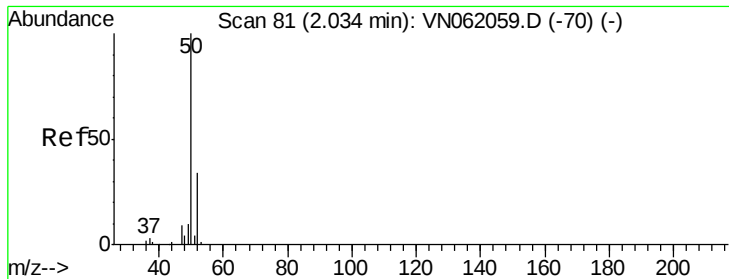
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 57.346 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 50 Resp: 101687

Ion Ratio Lower Upper

50 100

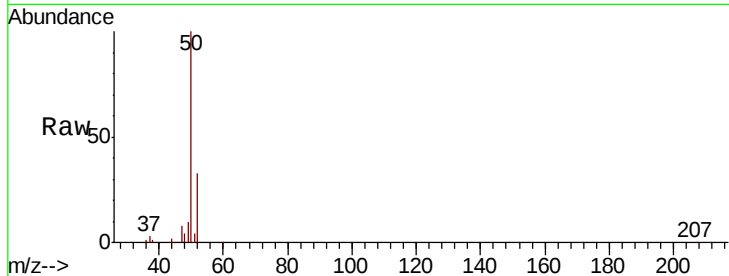
52 32.8 27.0 40.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN062358.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062358.D (-1) (-)

2.03

80000

60000

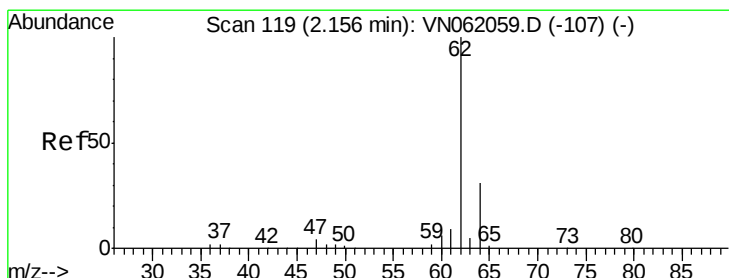
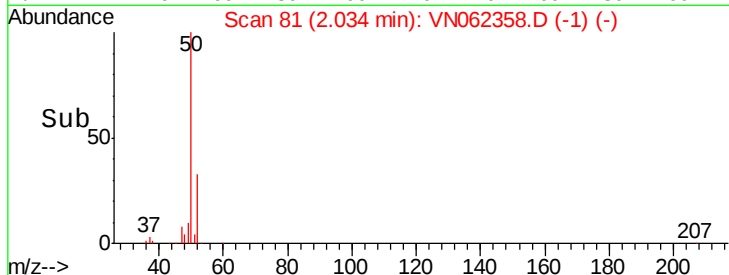
40000

20000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 46.874 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062358.D

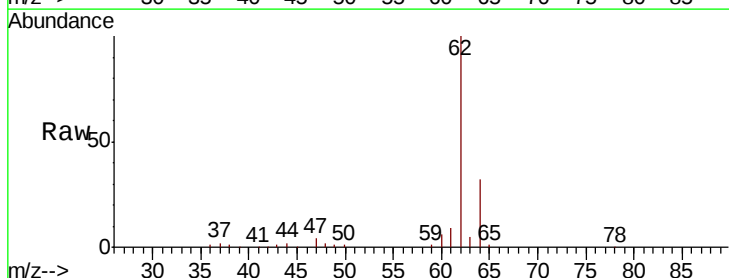
Acq: 3 Jul 2020 1:21

Tgt Ion: 62 Resp: 111565

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN062358.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN062358.D (-26) (-)

2.16

80000

60000

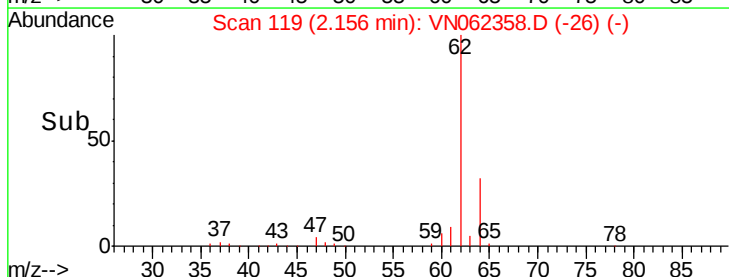
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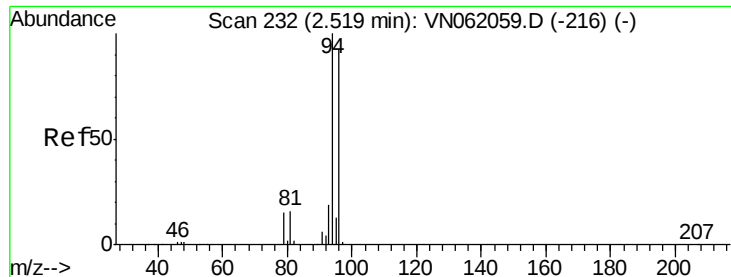
20000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 44.981 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 94 Resp: 69192

Ion Ratio Lower Upper

94 100

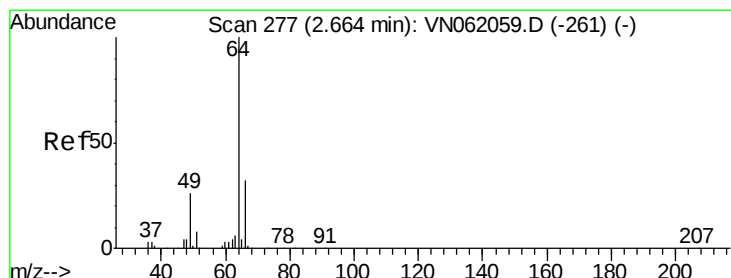
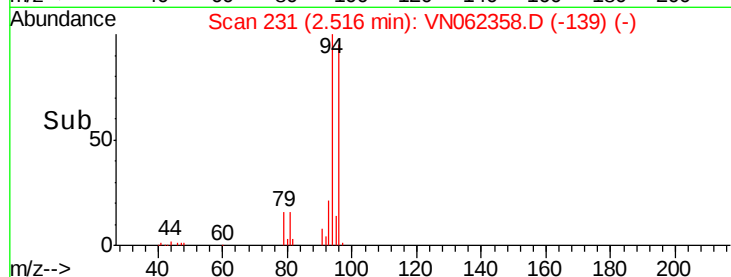
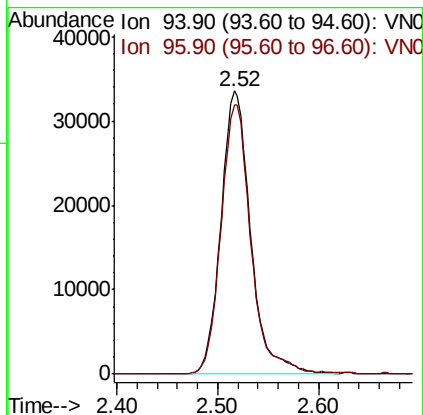
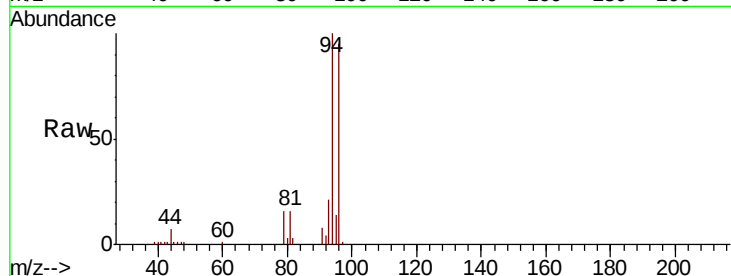
96 95.0 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 47.936 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062358.D

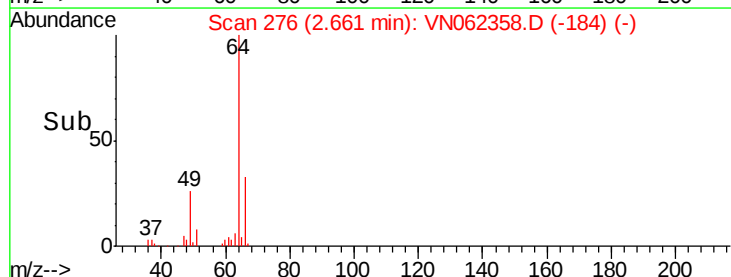
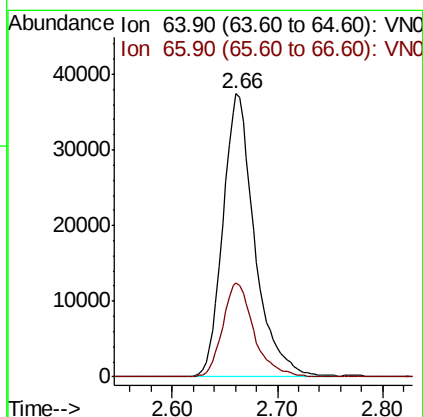
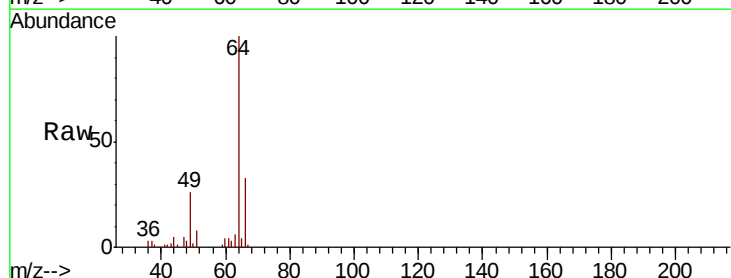
Acq: 3 Jul 2020 1:21

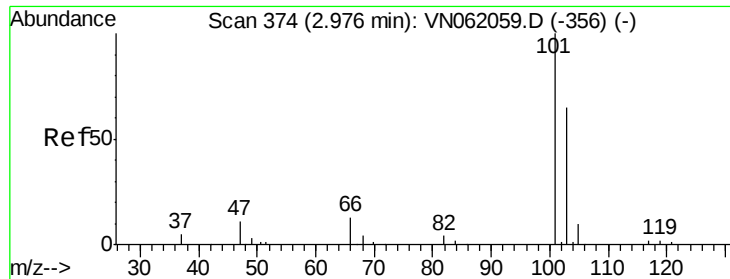
Tgt Ion: 64 Resp: 77937

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6





#7

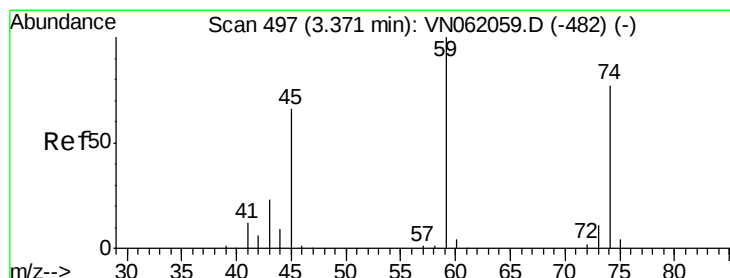
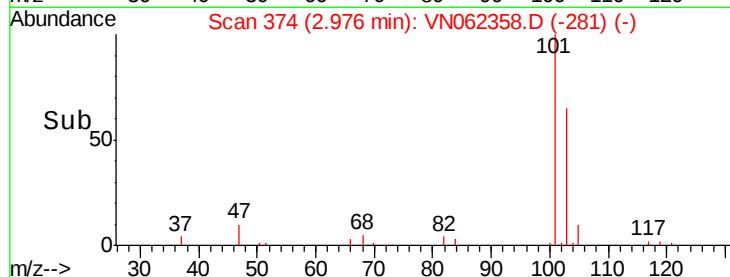
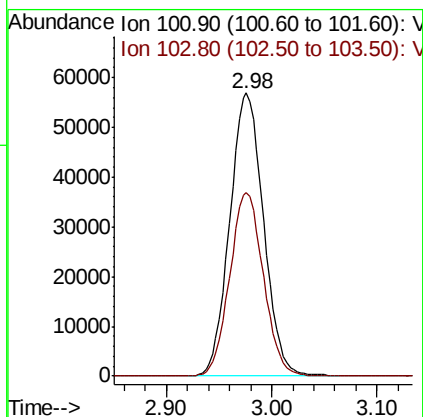
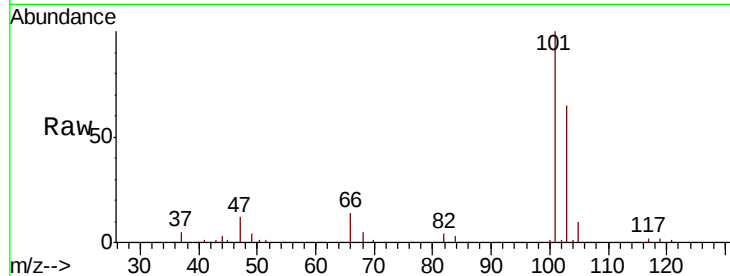
Trichlorofluoromethane
Concen: 43.156 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	126566		
103	64.8	51.8	77.6	

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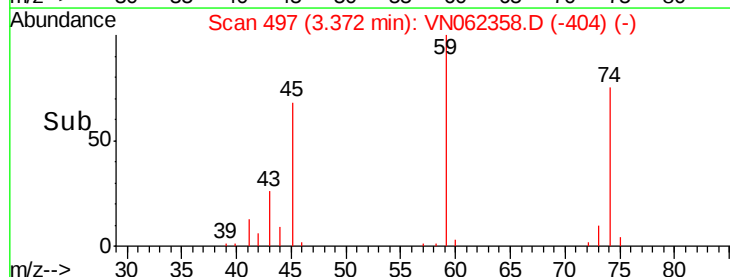
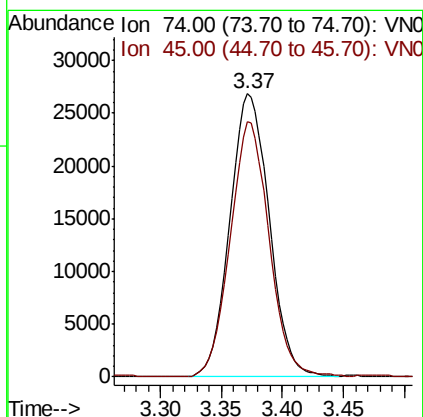
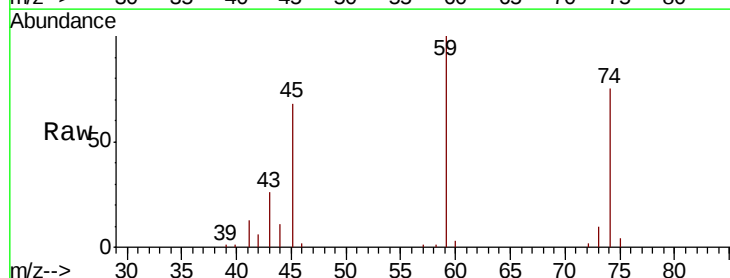
sam
7/6/2020 11:34:36 AM

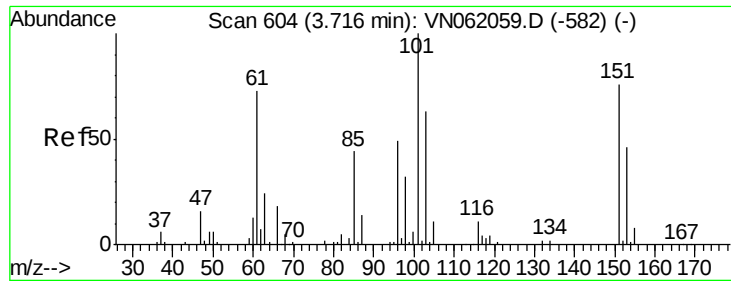


#8

Diethyl Ether
Concen: 58.766 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60181		
45	89.0	42.5	127.5	





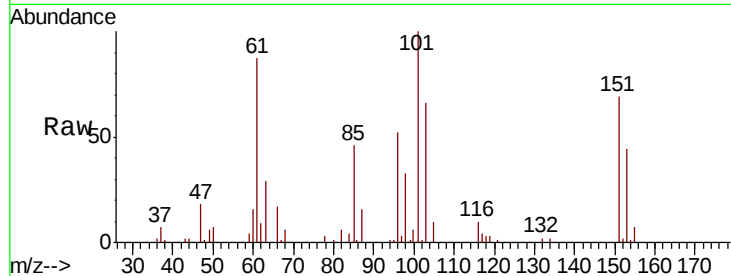
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.978 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
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ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.5	51.7
151	67.2	57.8	86.8

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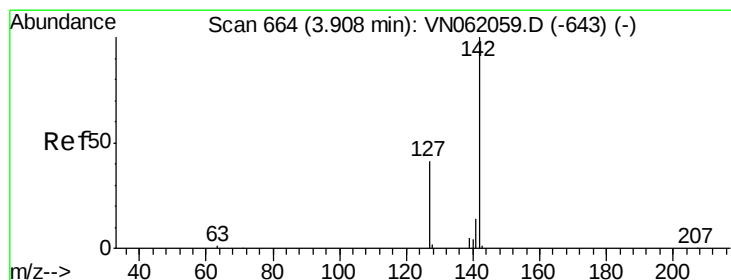
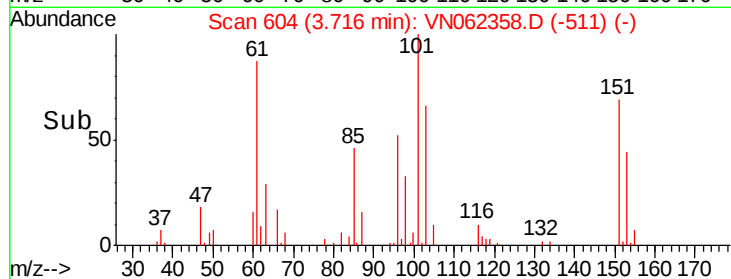
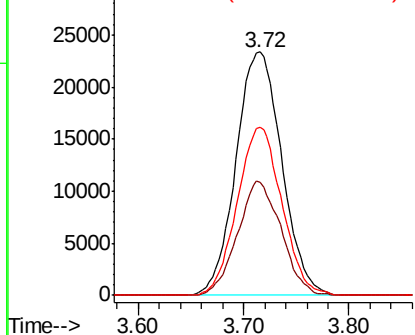


Abundance

Ion 100.90 (100.60 to 101.60): V

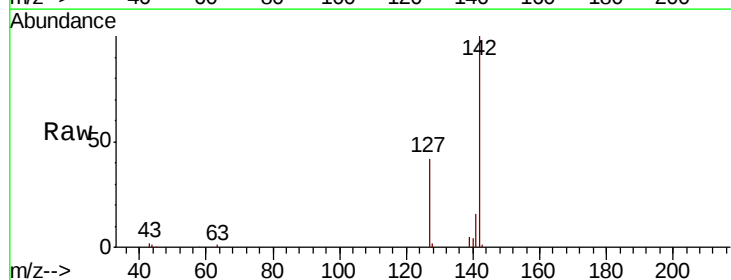
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 57.028 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	33.6	50.4
141	14.4	11.3	16.9

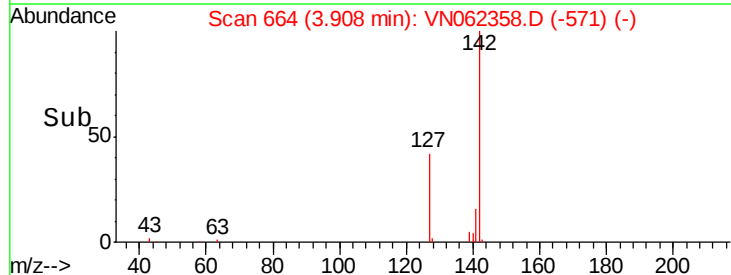
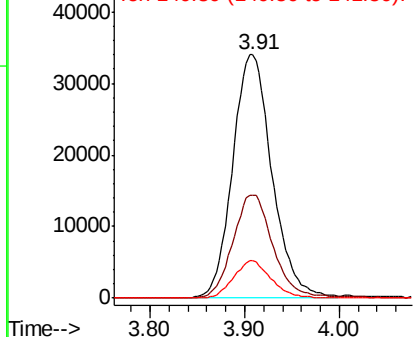


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

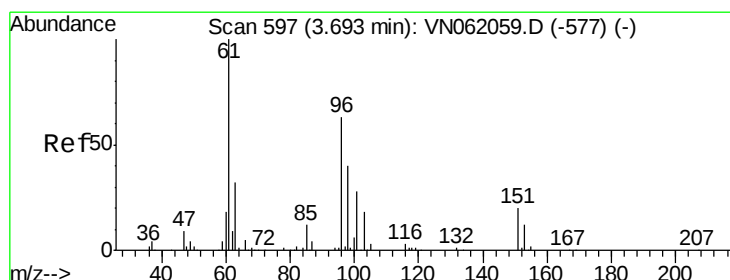
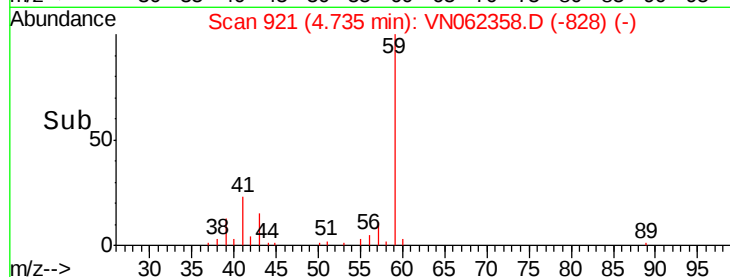
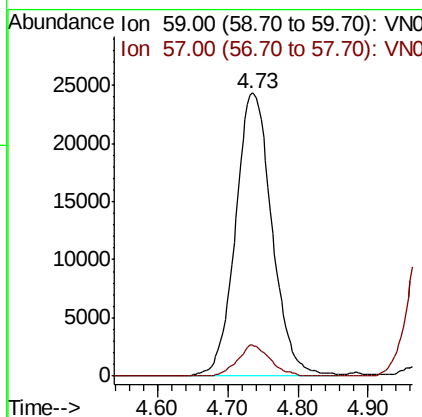
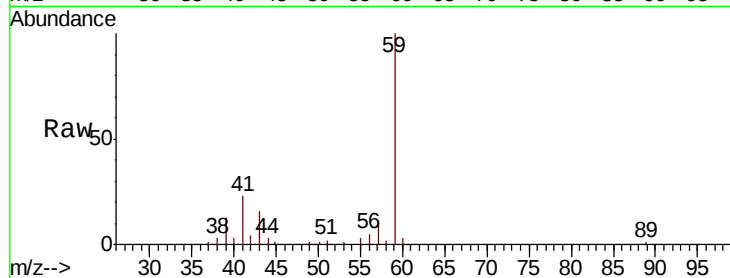
Tert butyl alcohol
Concen: 325.805 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

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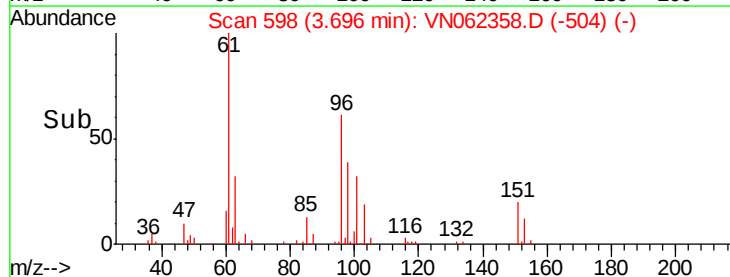
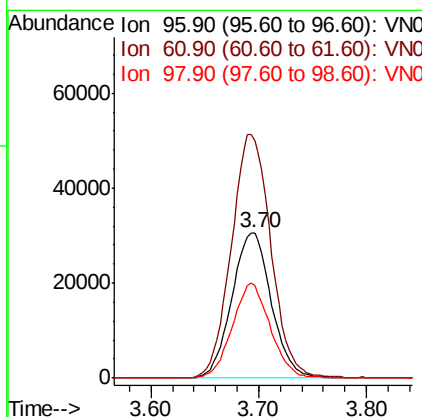
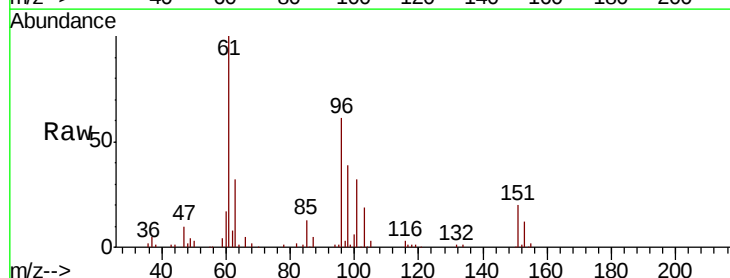
sam
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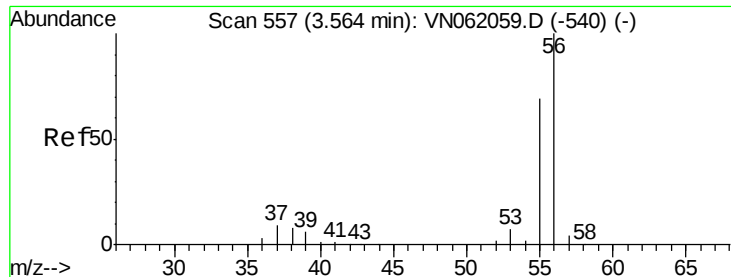


#12

1,1-Dichloroethene
Concen: 50.788 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	126.7	190.1
98	63.5	51.0	76.4





#13

Acrolein

Concen: 227.901 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 56 Resp: 60113

Ion Ratio Lower Upper

56 100

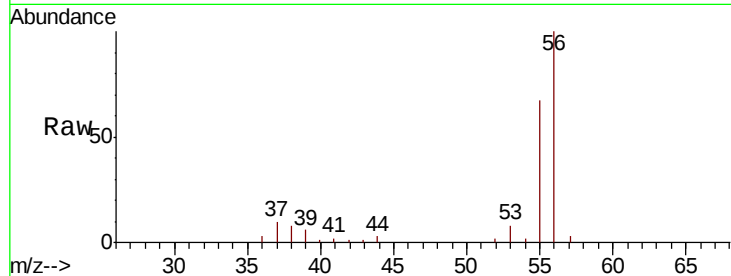
55 69.2 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN062358.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN062358.D (-464) (-)

25000

20000

15000

10000

5000

0

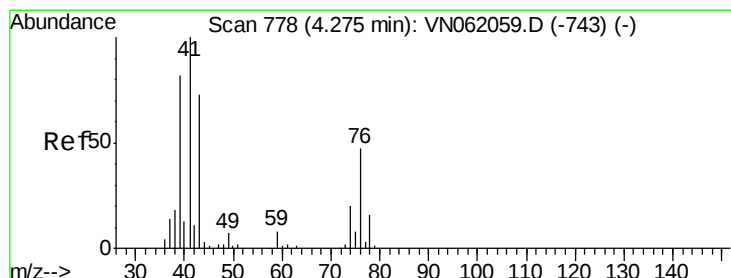
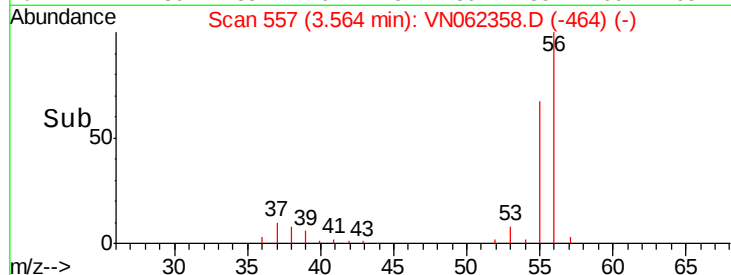
3.50

3.56

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 60.315 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

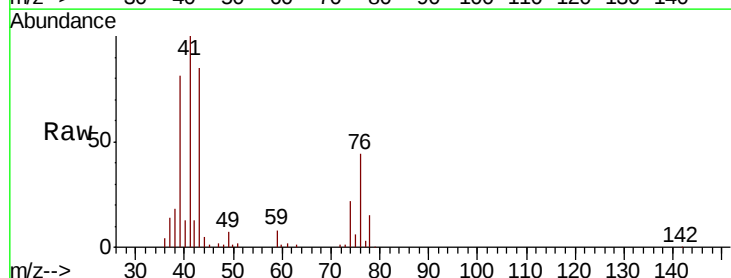
Tgt Ion: 41 Resp: 126076

Ion Ratio Lower Upper

41 100

39 74.1 60.0 90.0

76 39.4 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062358.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062358.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062358.D (-685) (-)

50000

40000

30000

20000

10000

0

4.10

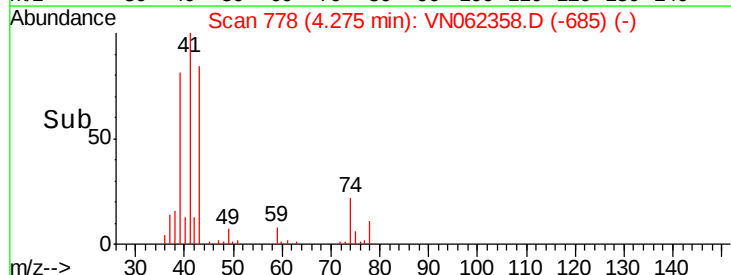
4.20

4.28

4.30

4.40

Time-->





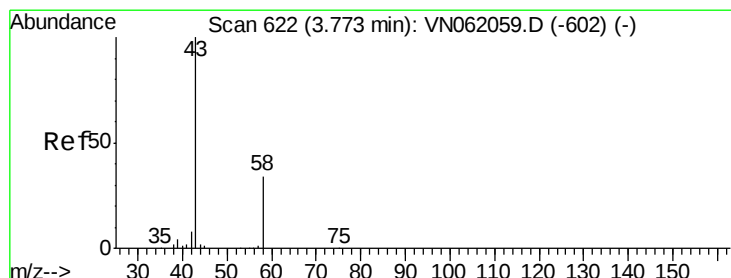
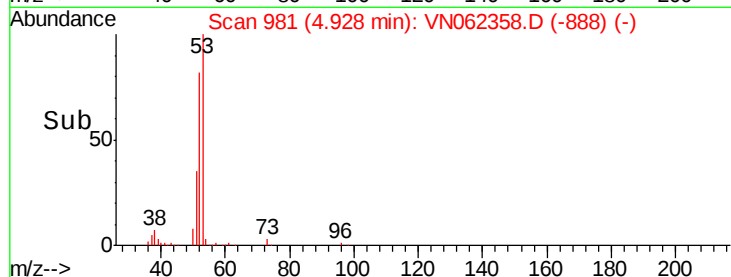
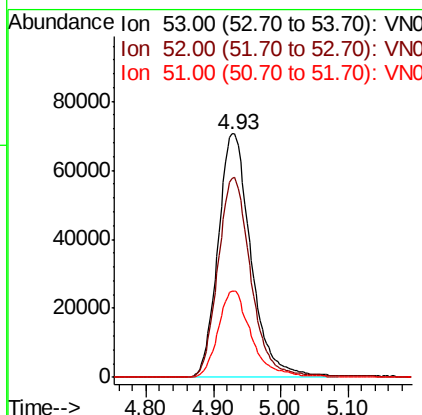
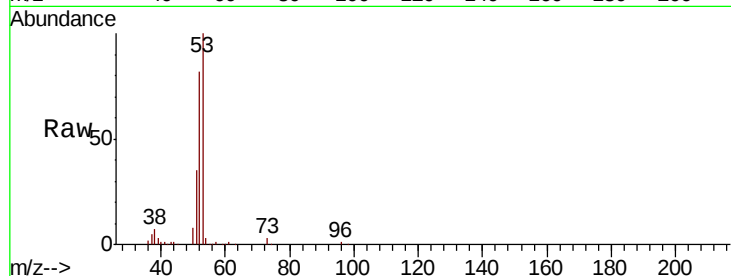
#15
 Acrylonitrile
 Concen: 328.199 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion:	53	Resp:	240948
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.4
51	35.7	28.9	43.3

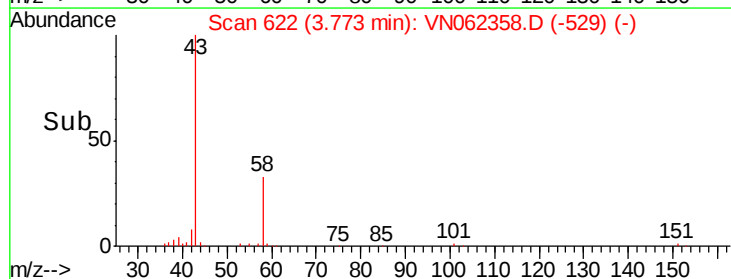
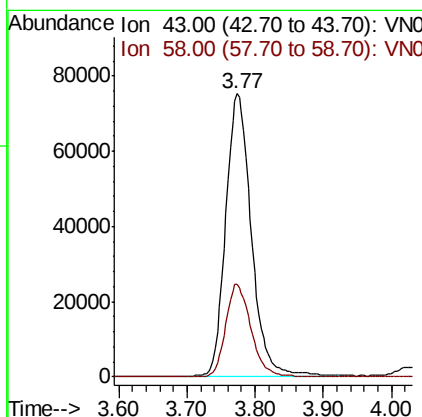
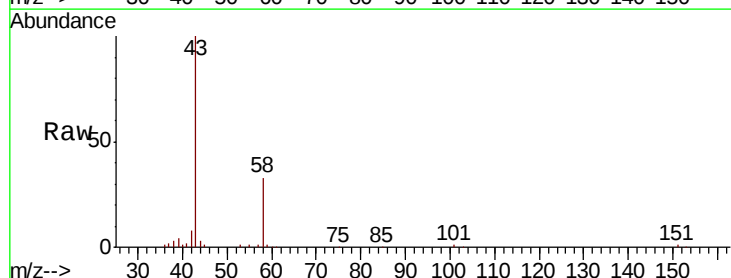
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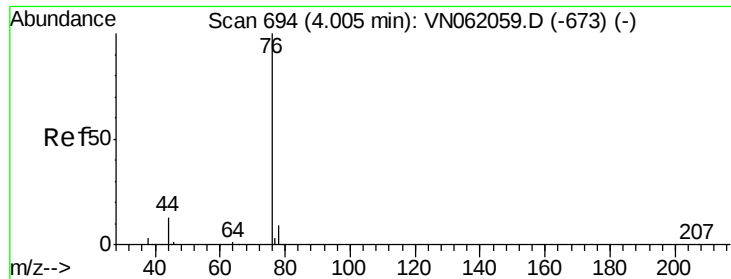
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#16
 Acetone
 Concen: 332.540 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion:	43	Resp:	195070
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.5	41.3





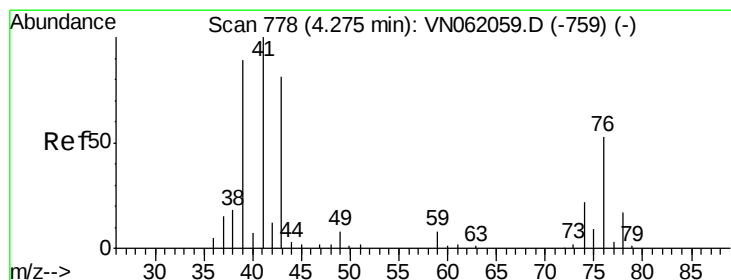
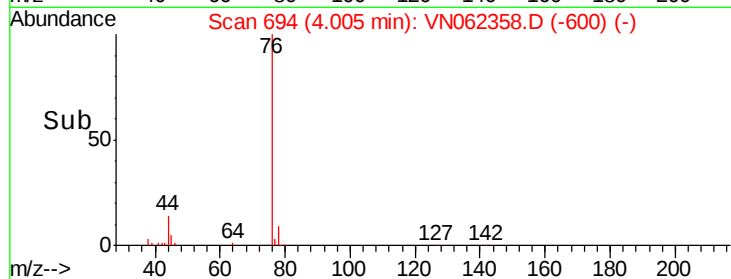
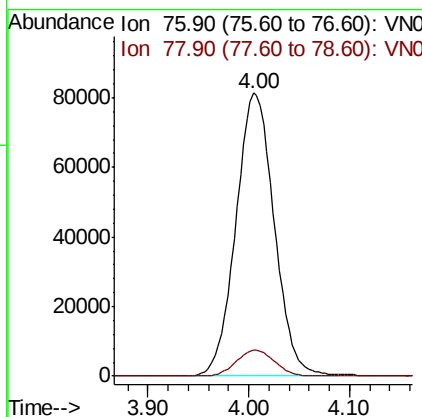
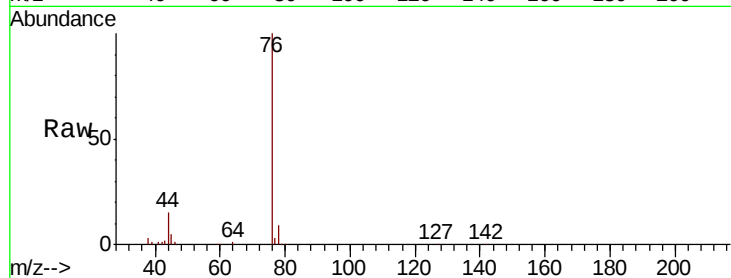
#17
Carbon Disulfide
Concen: 48.775 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

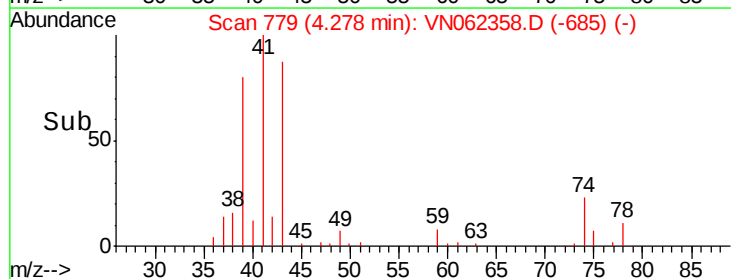
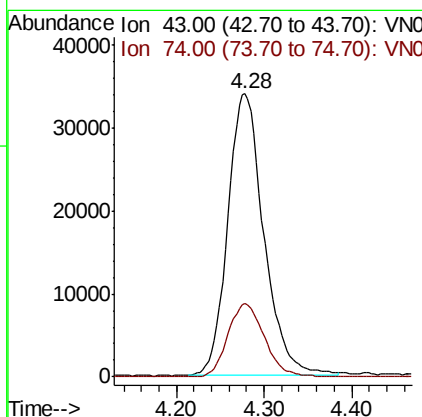
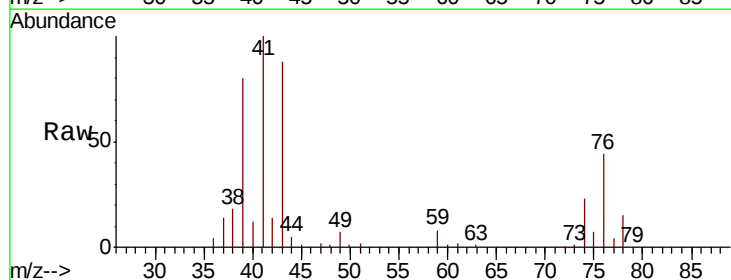
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#18
Methyl Acetate
Concen: 65.314 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	22.9	34.3





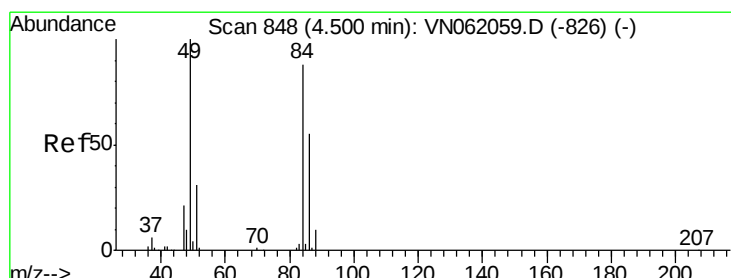
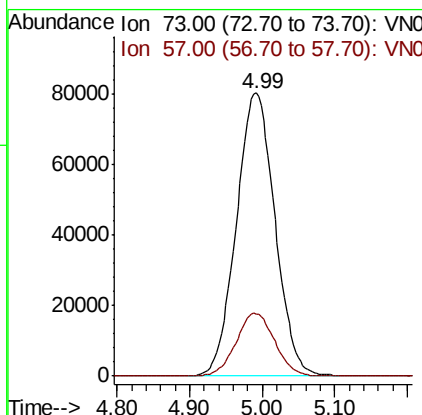
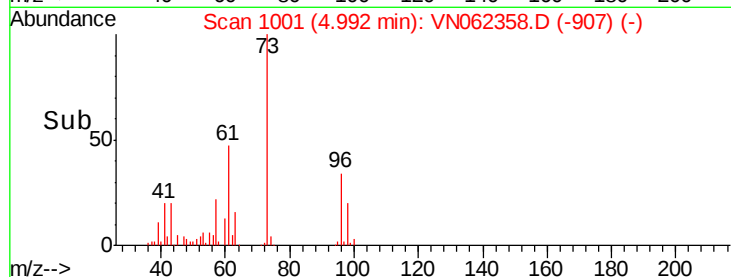
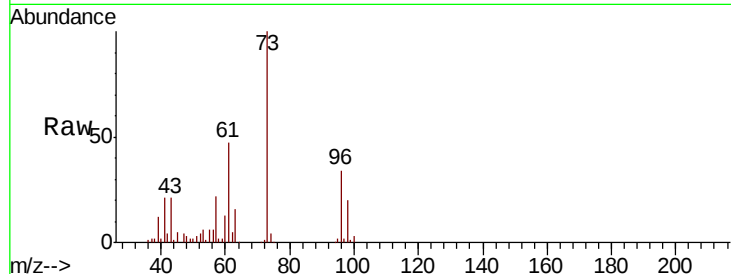
#19
Methvl tert-butvl Ether
Concen: 60.555 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion: 73 Resp: 297082
Ion Ratio Lower Upper
73 100
57 22.1 16.6 24.8

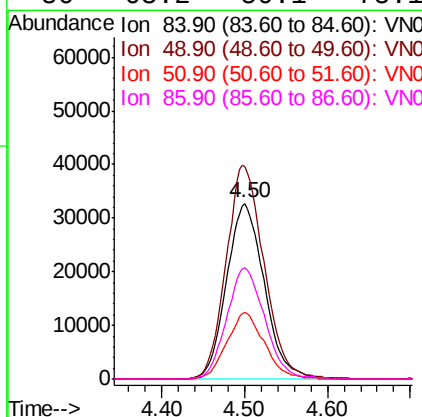
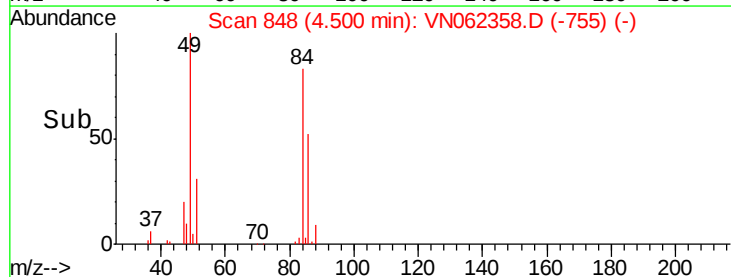
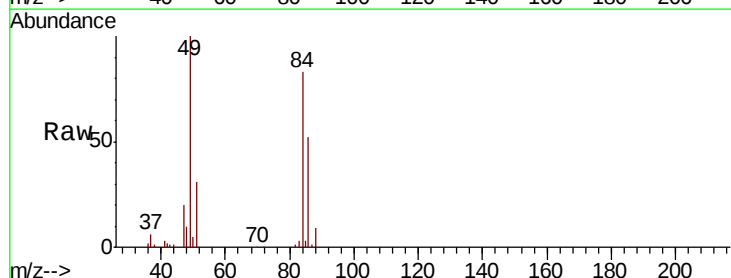
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#20
Methylene Chloride
Concen: 60.129 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 84 Resp: 103498
Ion Ratio Lower Upper
84 100
49 120.6 90.6 136.0
51 37.6 27.8 41.8
86 63.2 50.1 75.1





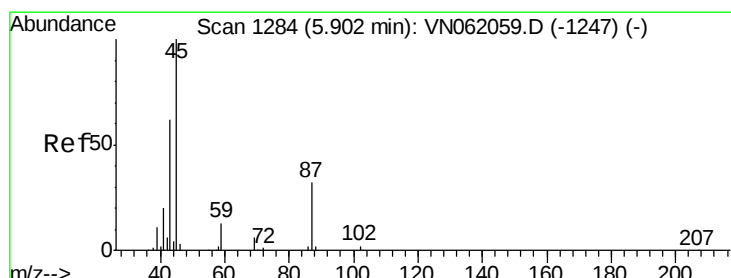
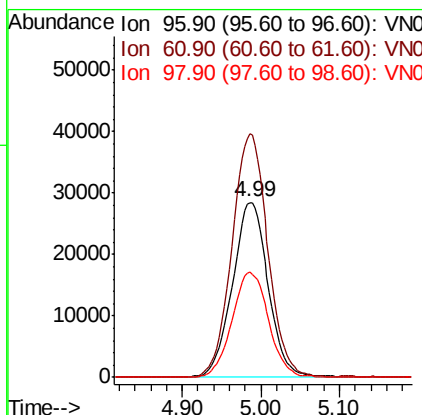
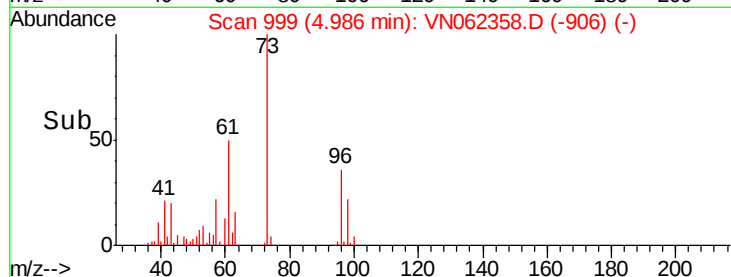
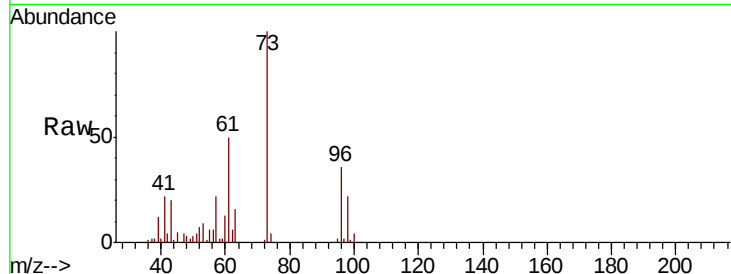
#21
trans-1,2-Dichloroethene
Concen: 51.766 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	101.4	152.2
98	60.1	49.3	73.9

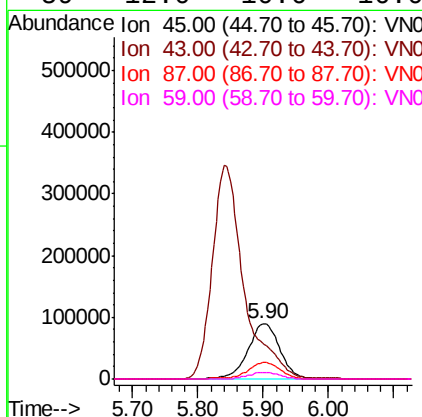
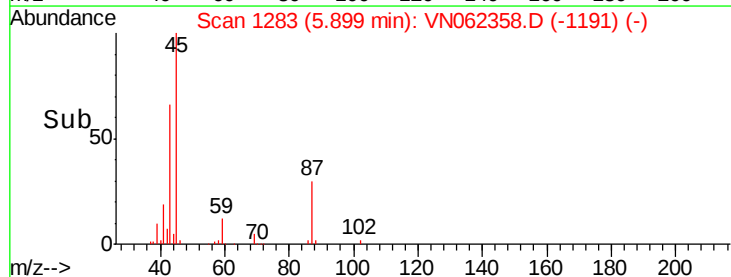
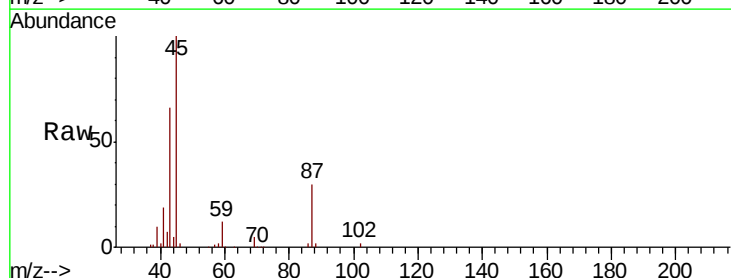
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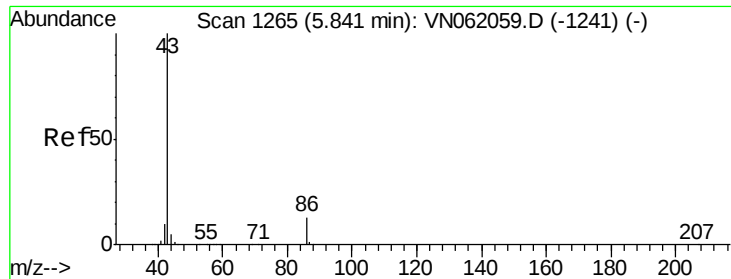
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#22
Diisopropyl ether
Concen: 64.503 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	49.7	74.5
87	30.0	25.9	38.9
59	12.0	10.6	16.0





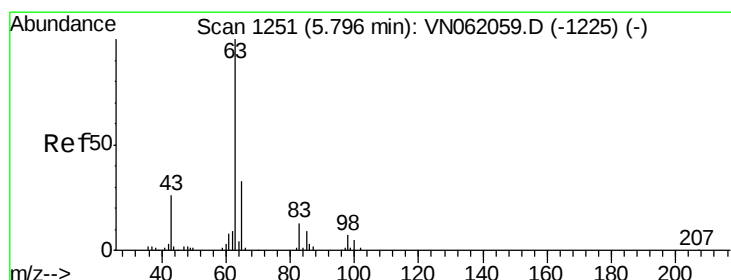
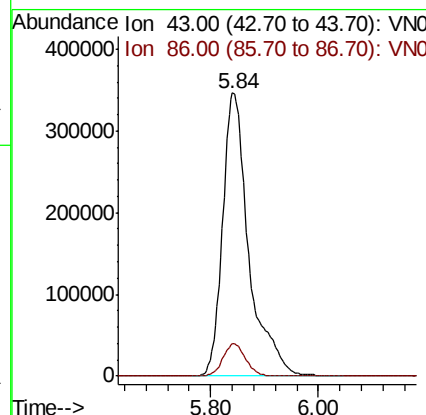
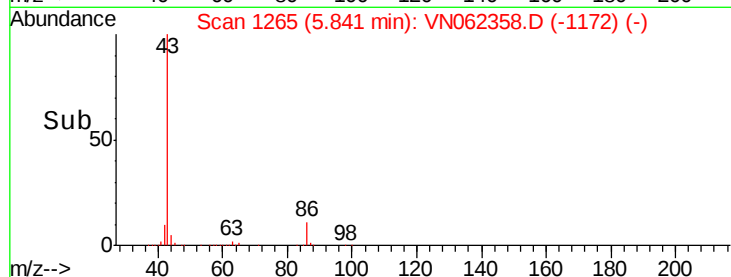
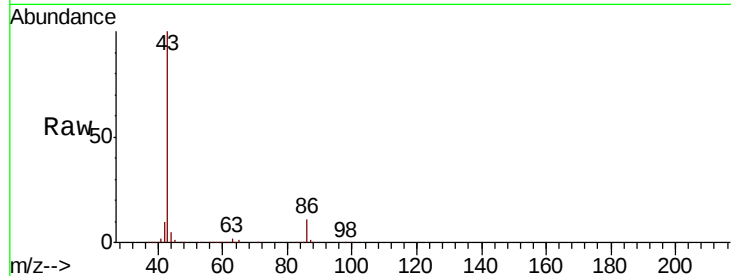
#23
 Vinyl Acetate
 Concen: 301.473 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion: 43 Resp: 1171468
 Ion Ratio Lower Upper
 43 100
 86 11.5 10.1 15.1

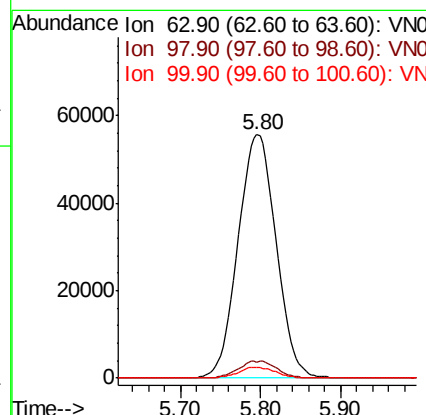
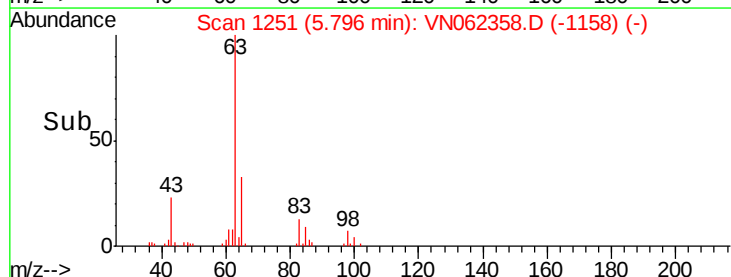
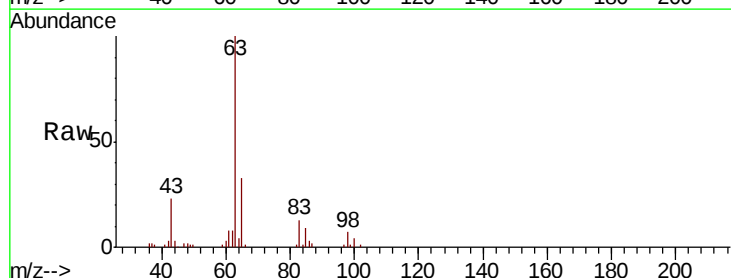
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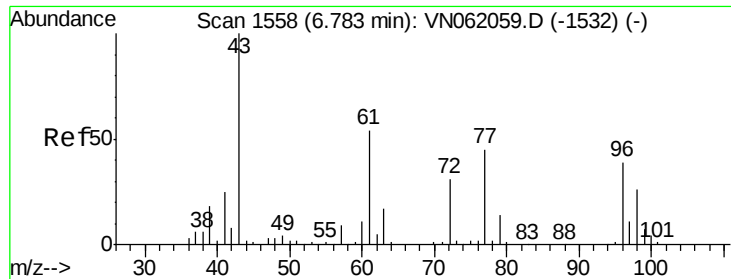
sam
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#24
 1,1-Dichloroethane
 Concen: 58.690 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 63 Resp: 179872
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.6 10.9
 100 4.3 2.4 7.1





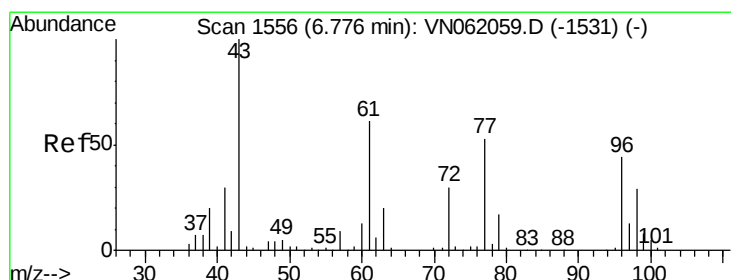
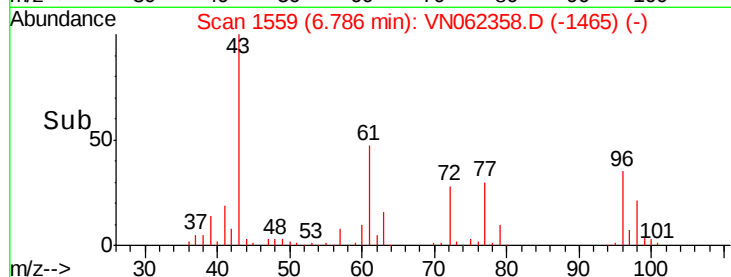
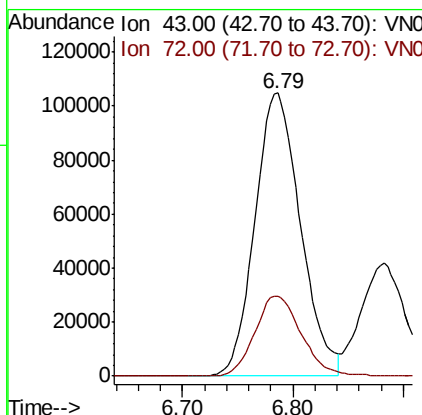
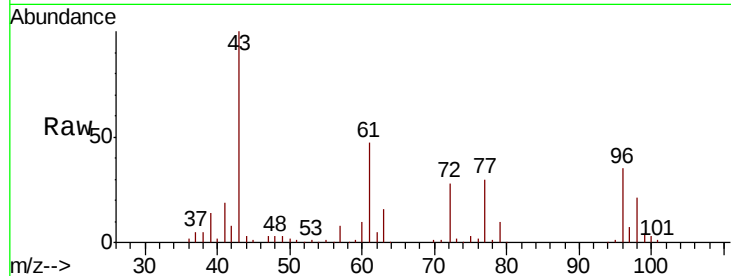
#25
2-Butanone
Concen: 326.940 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion: 43 Resp: 299856
Ion Ratio Lower Upper
43 100
72 28.4 24.8 37.2

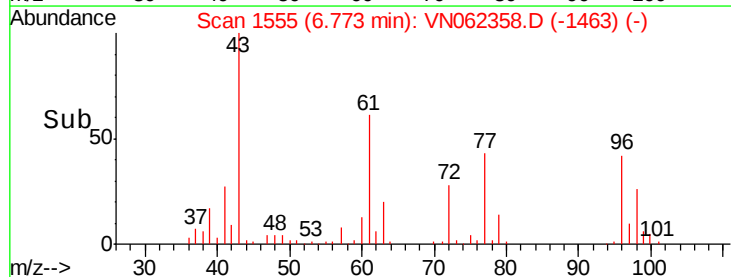
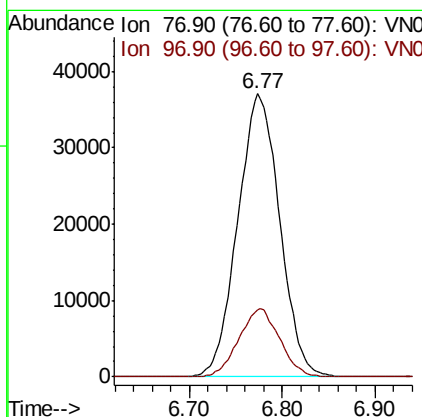
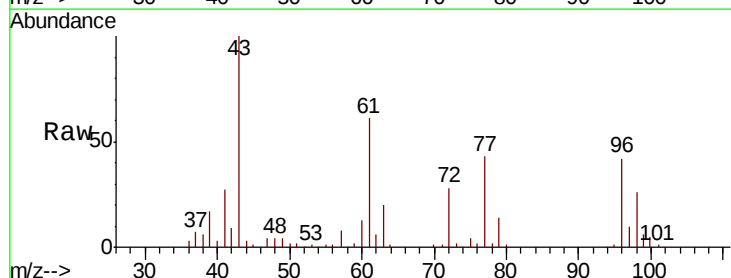
Manual Integrations
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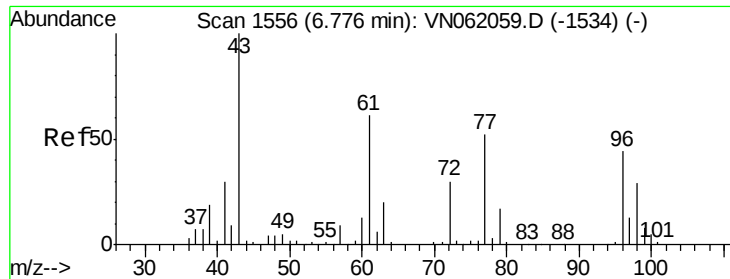
sam
7/6/2020 11:34:36 AM



#26
2,2-Dichloropropane
Concen: 45.687 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion: 77 Resp: 116682
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





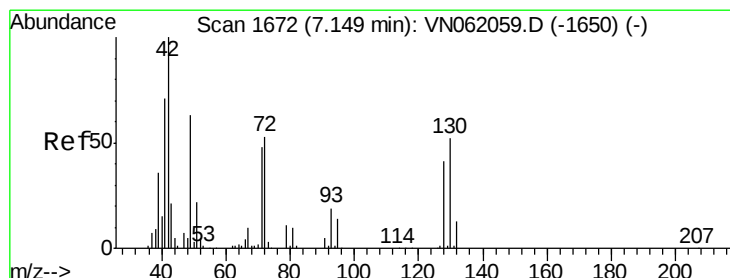
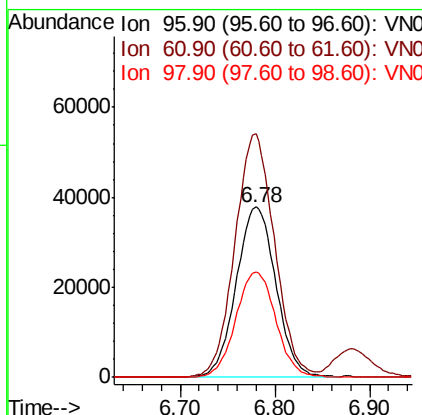
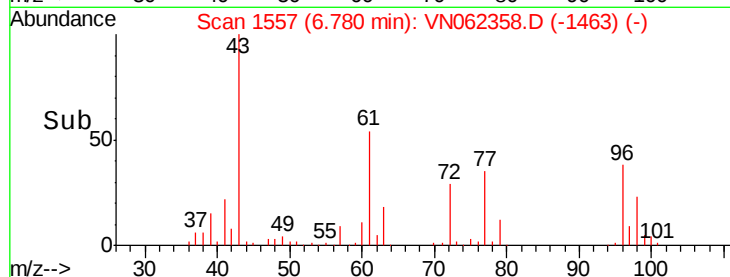
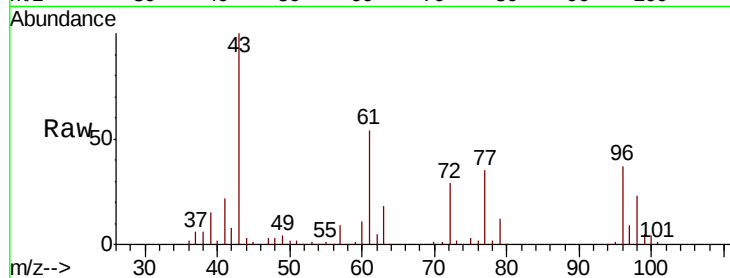
#27
 cis-1,2-Dichloroethene
 Concen: 56.207 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.6	0.0	280.4	
98	62.3	0.0	129.4	

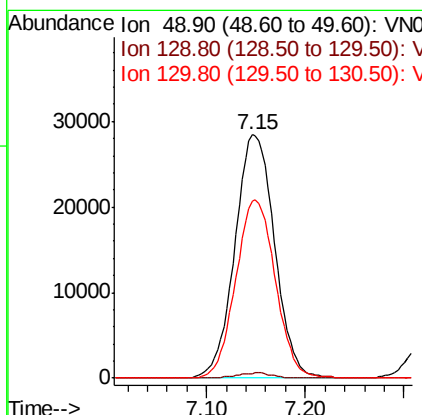
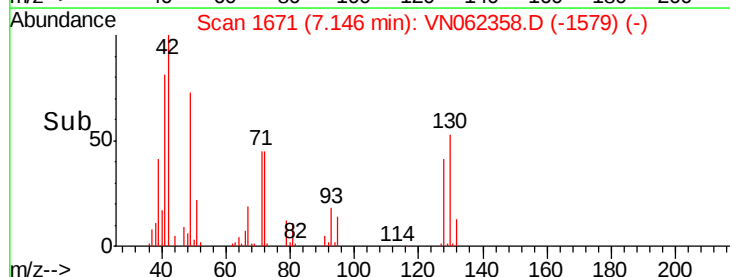
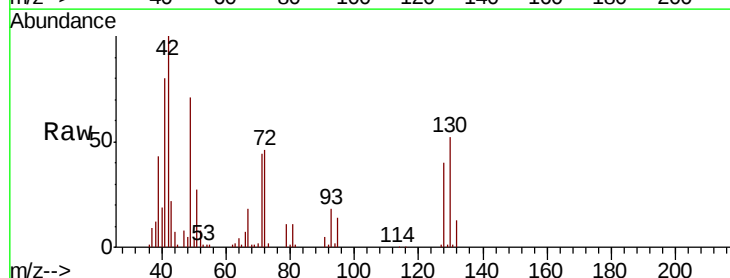
Manual Integrations
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#28
 Bromochloromethane
 Concen: 59.557 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.4	
130	73.0	65.5	98.3	





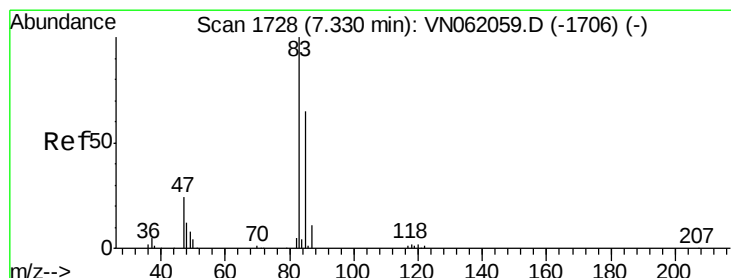
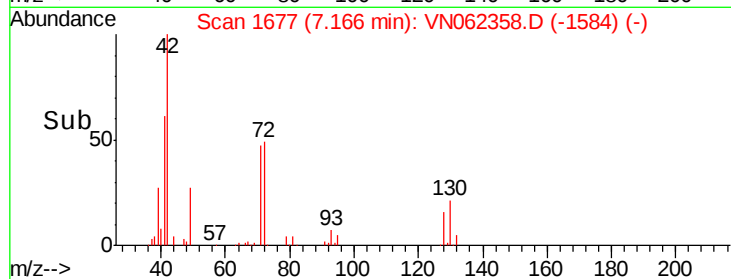
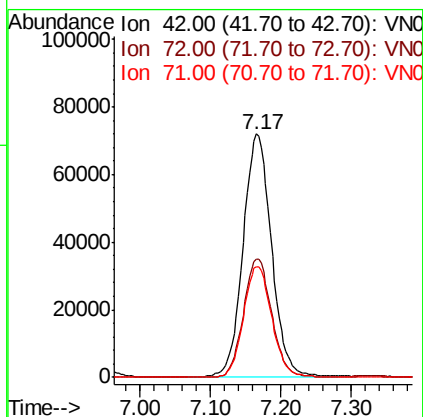
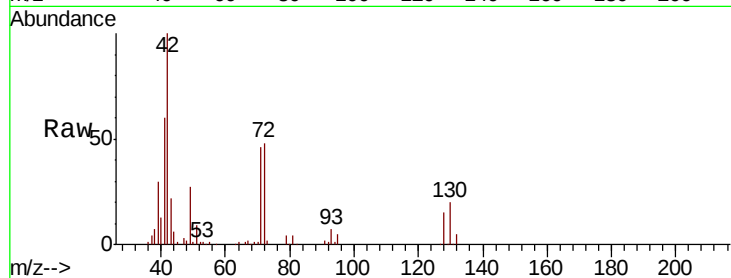
#29
Tetrahydrofuran
Concen: 338.558 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	41.1	61.7
71	45.1	38.2	57.4

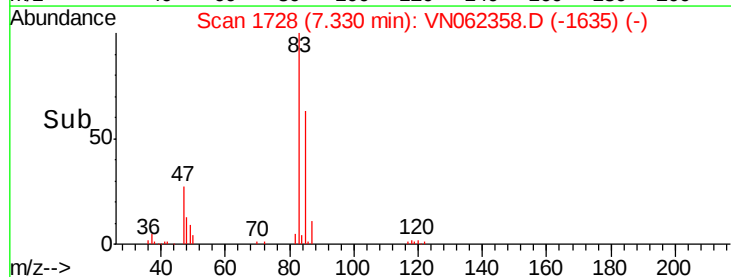
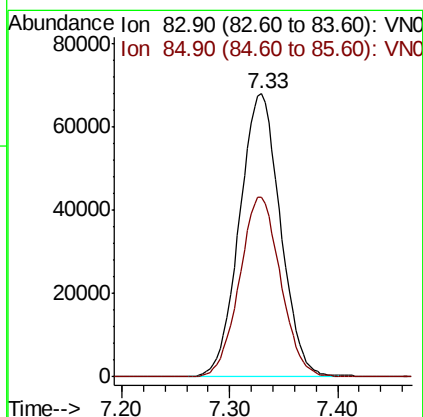
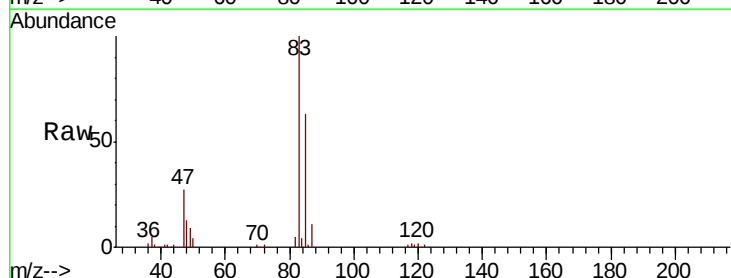
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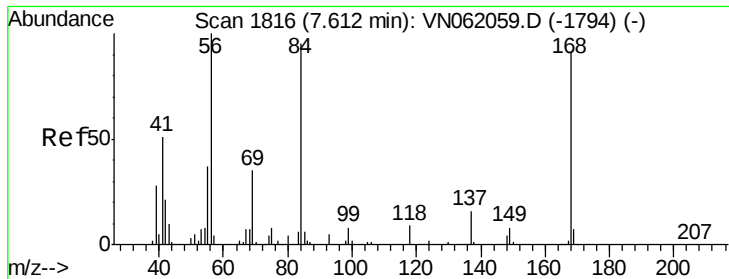
sam
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#30
Chloroform
Concen: 57.576 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5





#31

Cyclohexane

Concen: 47.858 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 56 Resp: 124069

Ion Ratio Lower Upper

56 100

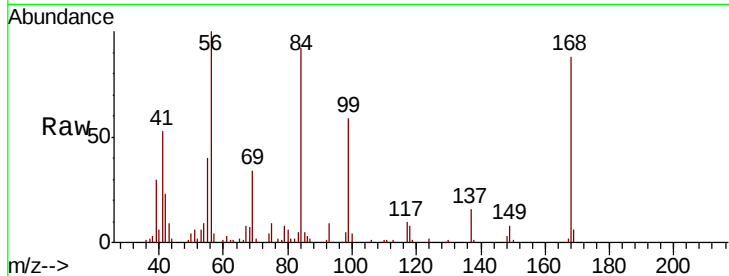
69 34.0 28.0 42.0

84 90.9 76.1 114.1

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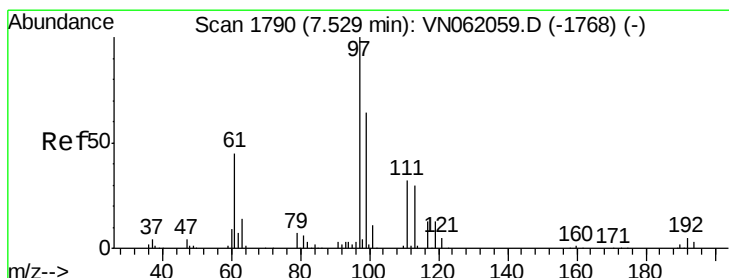
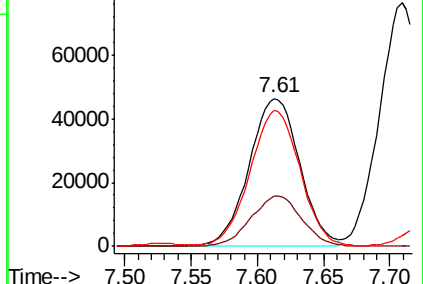
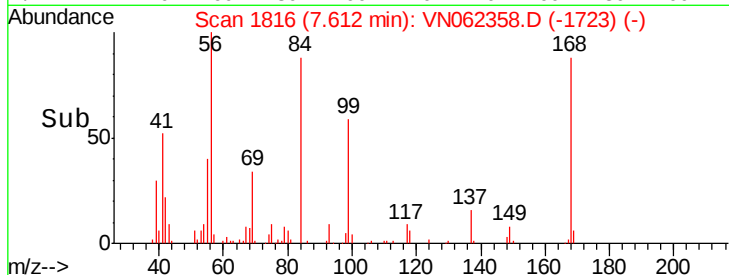
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Abundance Ion 56.00 (55.70 to 56.70): VN062358.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062358.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062358.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 53.530 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

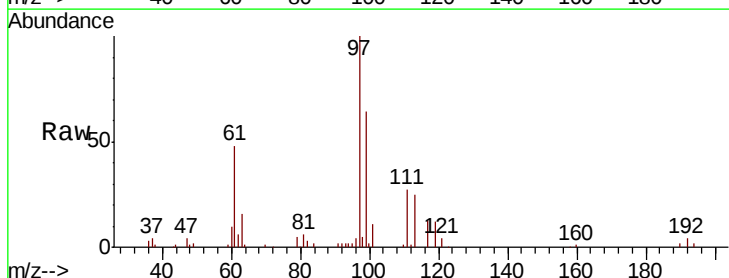
Tgt Ion: 97 Resp: 140766

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

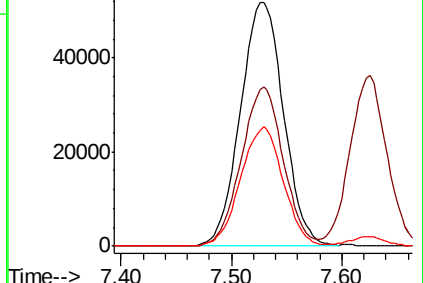
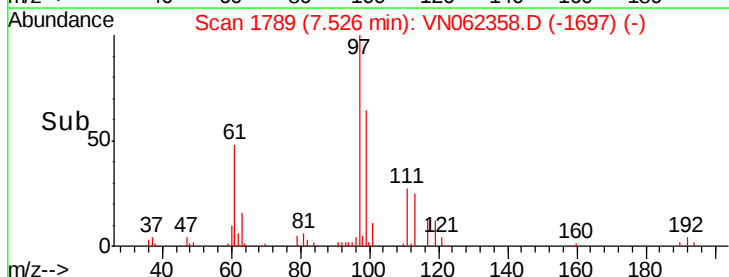
61 48.3 36.2 54.2

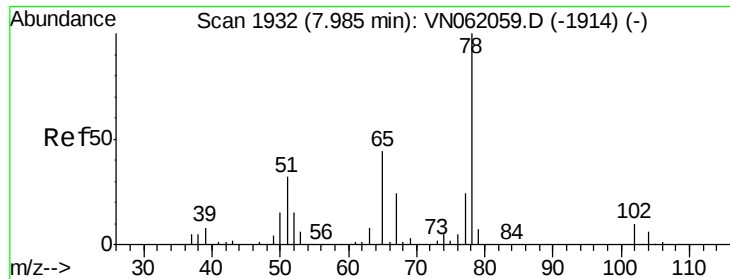


Abundance Ion 96.90 (96.60 to 97.60): VN062358.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062358.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062358.D (-1697) (-)





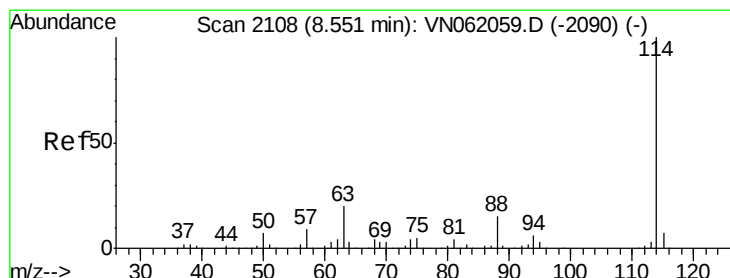
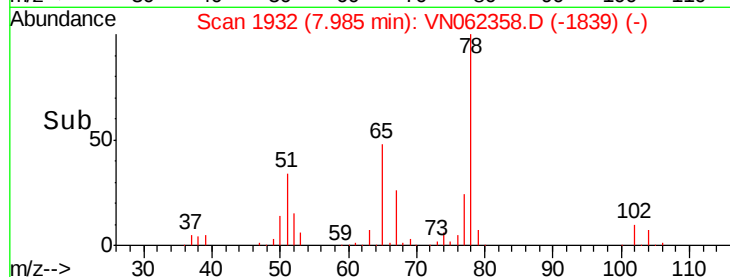
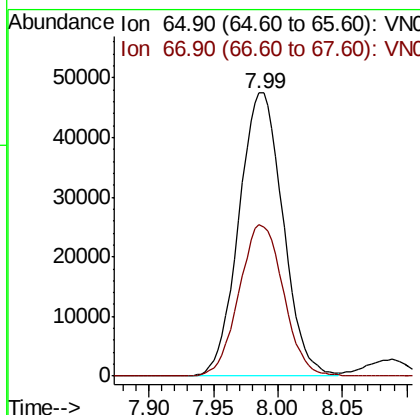
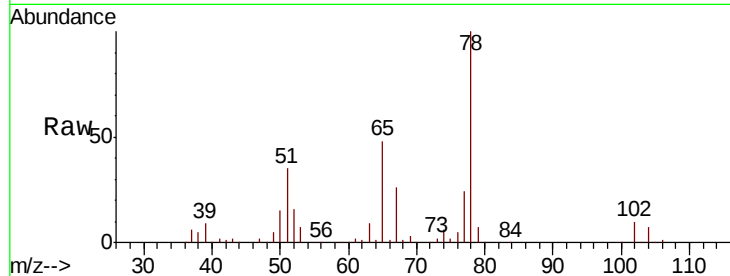
#33
 1,2-Dichloroethane-d4
 Concen: 60.295 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	106.2	

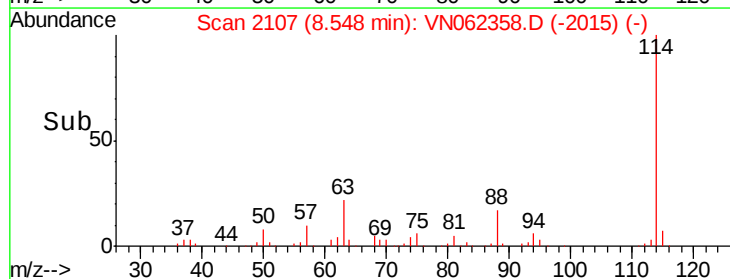
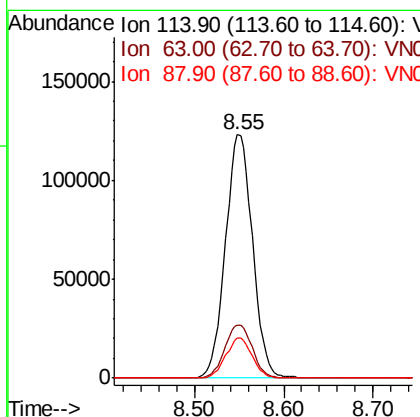
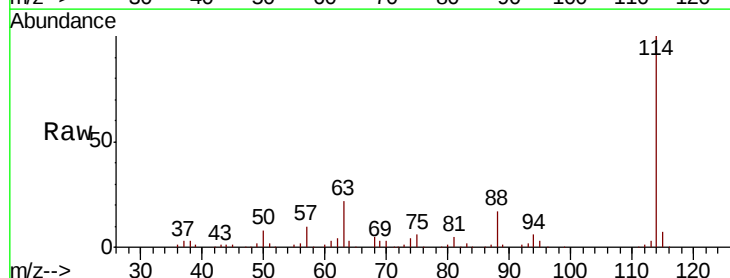
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	39.2	
88	16.6	0.0	30.8	





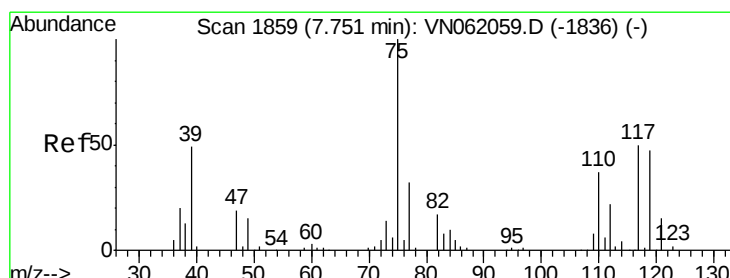
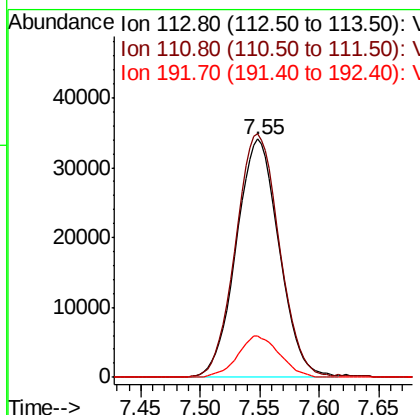
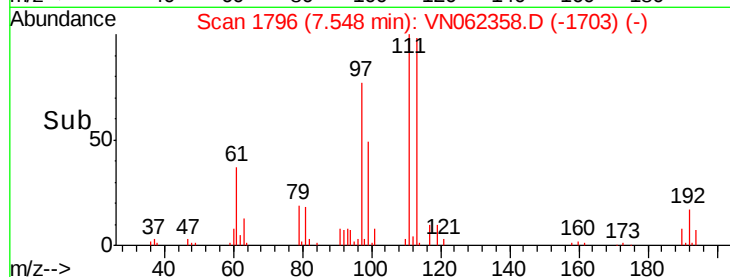
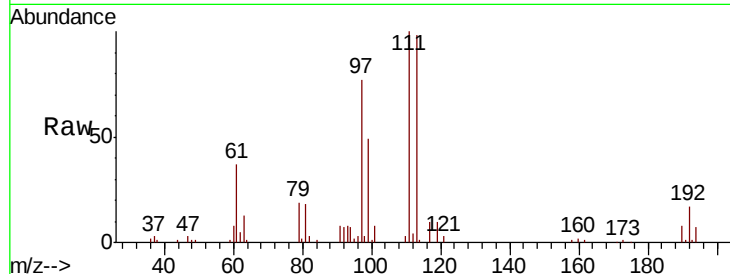
#35
Dibromofluoromethane
Concen: 51.290 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.4	82.2	123.4	
192	16.8	14.0	21.0	

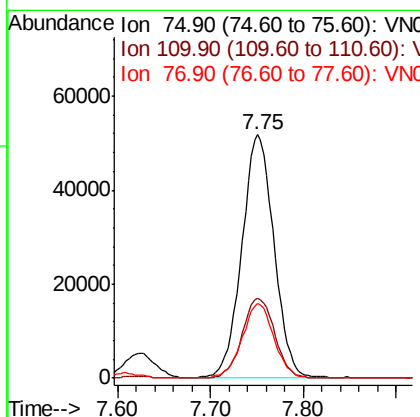
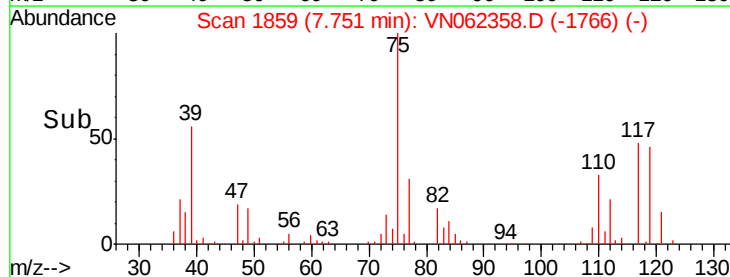
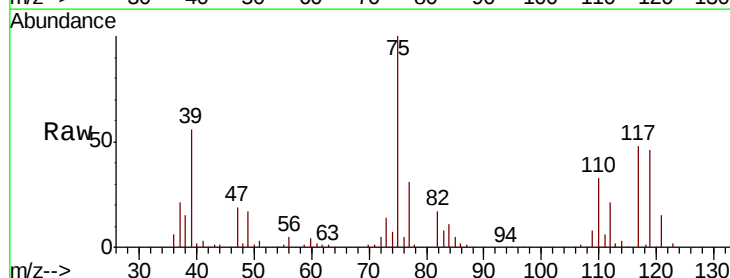
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 47.843 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	17.9	53.8	
77	30.4	24.9	37.3	





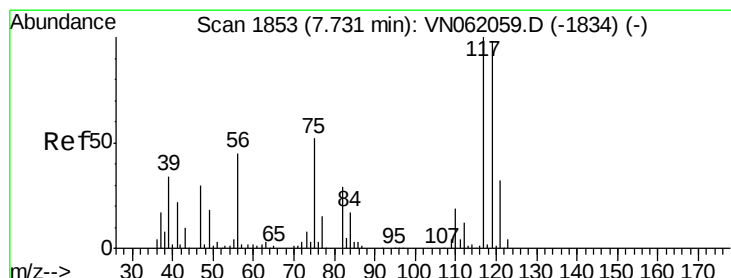
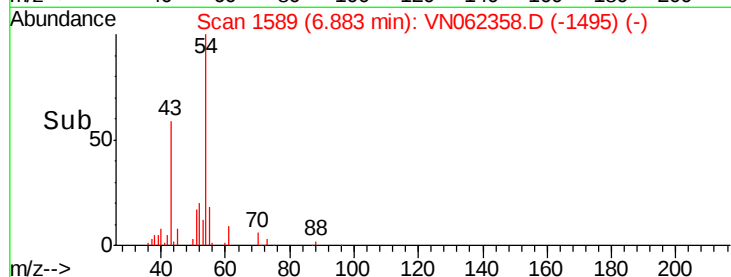
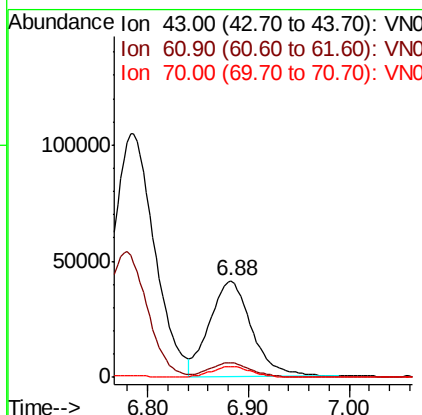
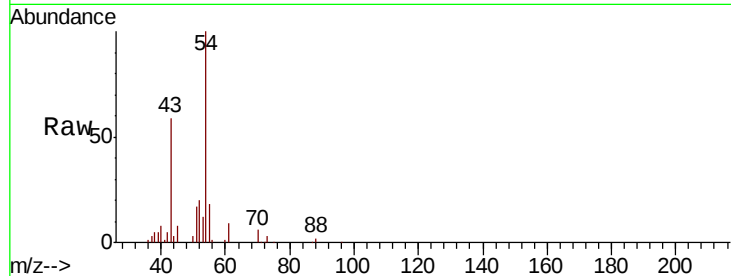
#37
Ethyl Acetate
Concen: 55.514 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	10.7	9.6	14.4

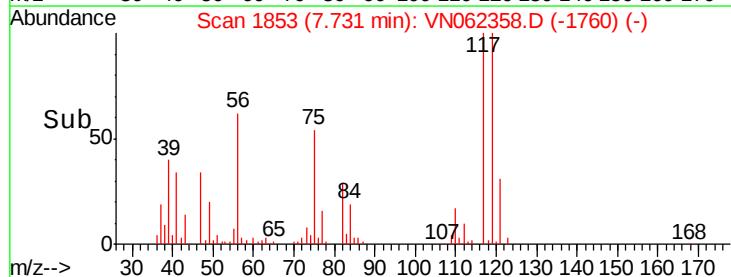
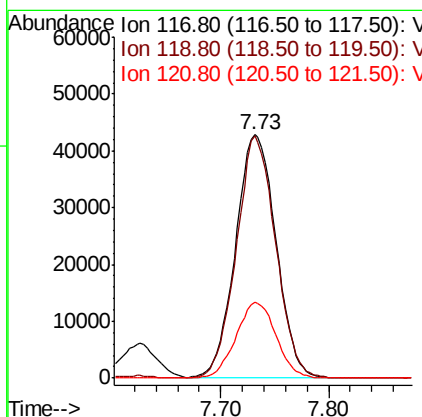
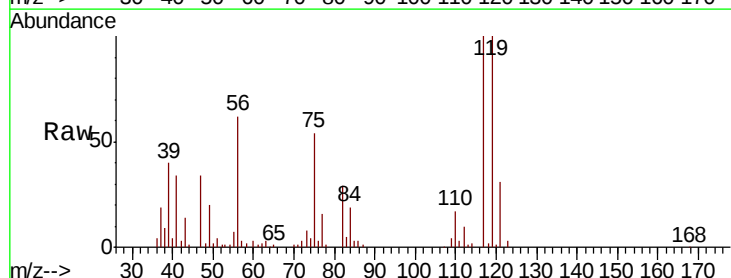
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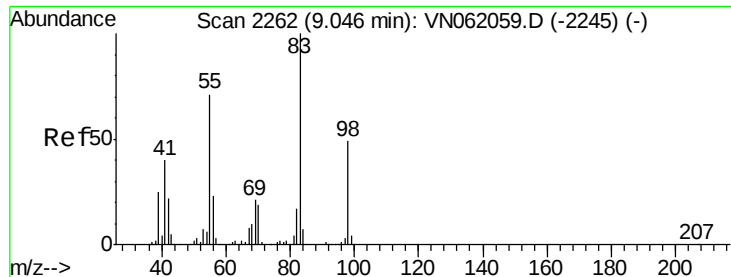
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#38
Carbon Tetrachloride
Concen: 45.634 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	78.2	117.2
121	31.2	25.8	38.6





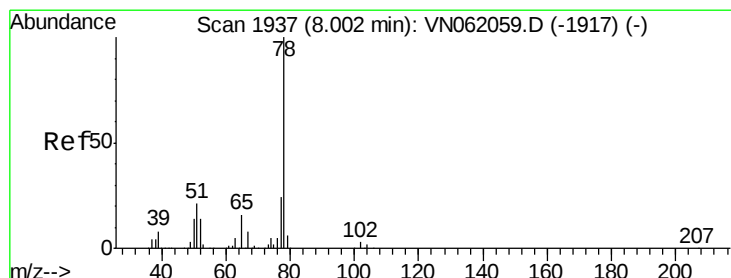
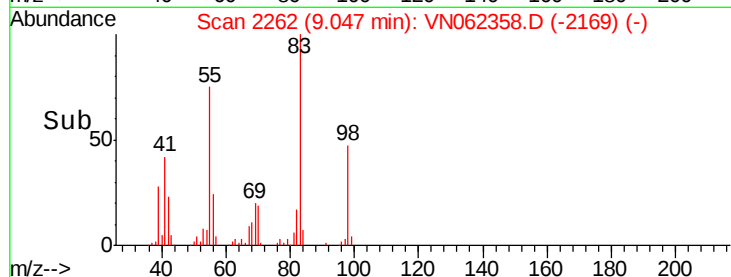
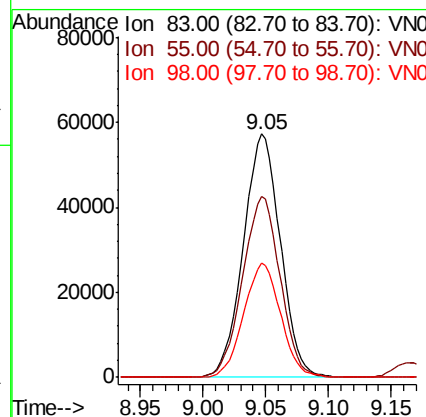
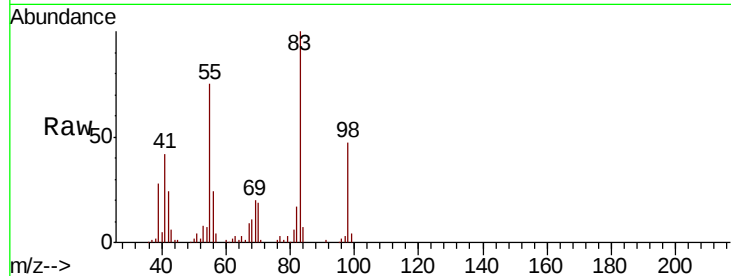
#39
Methvlcvclohexane
Concen: 41.240 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.5	57.0	85.6	
98	46.7	39.0	58.6	

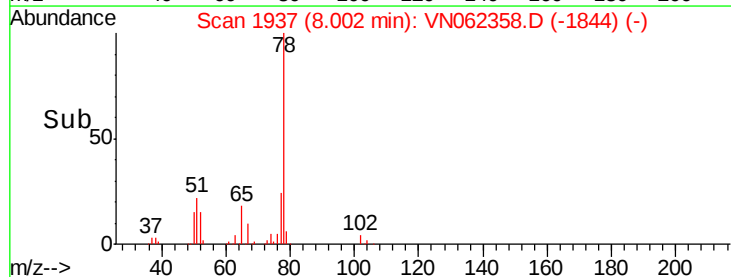
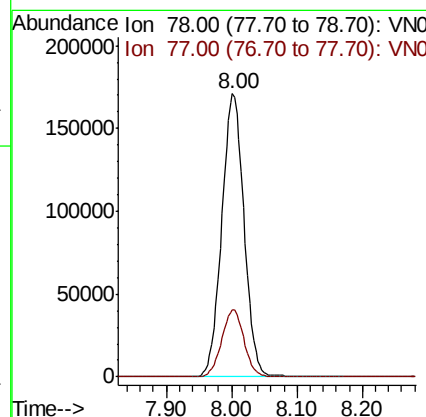
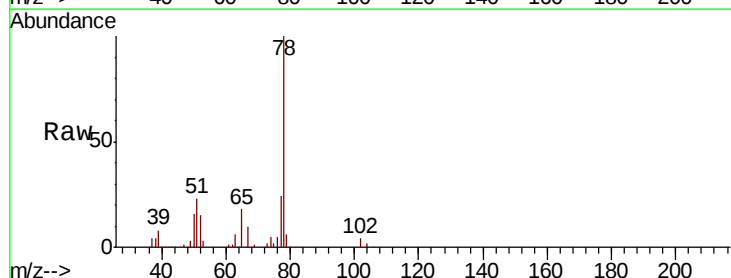
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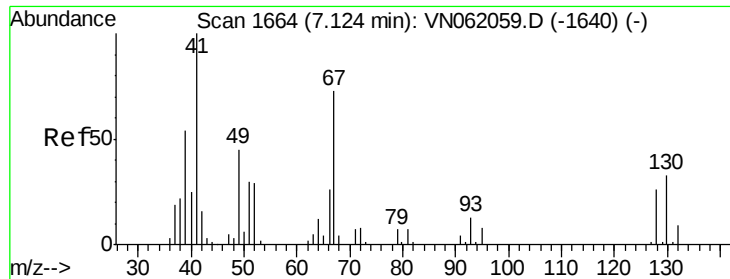
sam
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#40
Benzene
Concen: 51.104 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.5	29.3	





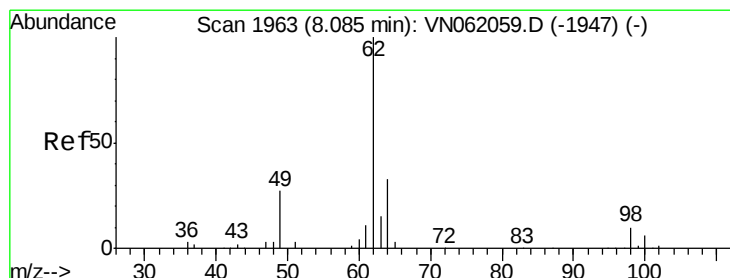
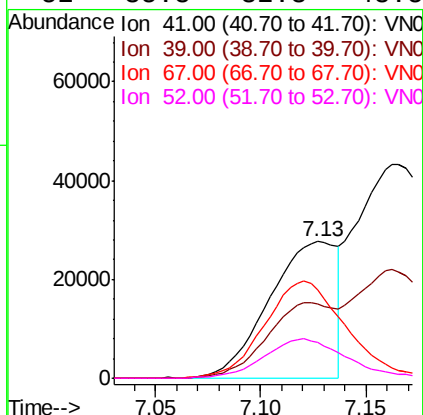
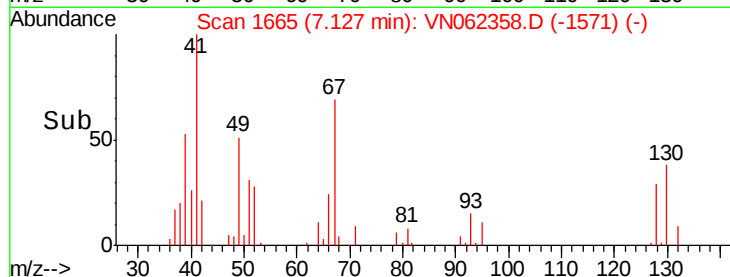
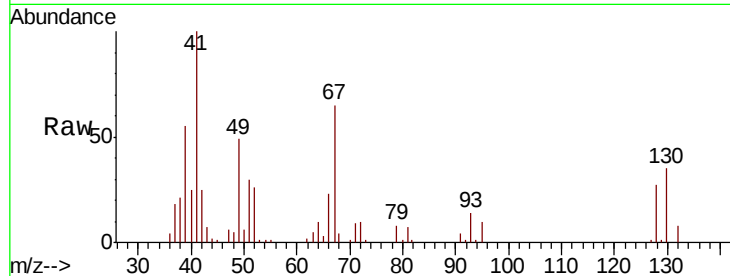
#41
Methacrylonitrile
Concen: 61.978 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion:	41	Resp:	61980
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.2	66.2
67	85.5	79.5	119.3
52	35.8	32.3	48.5

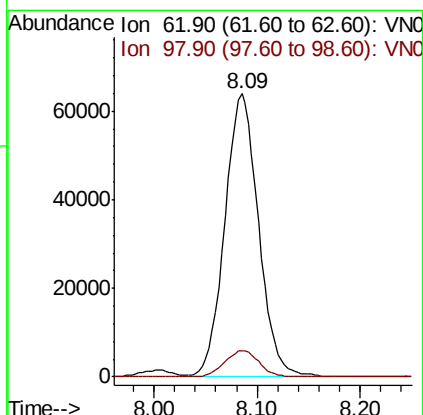
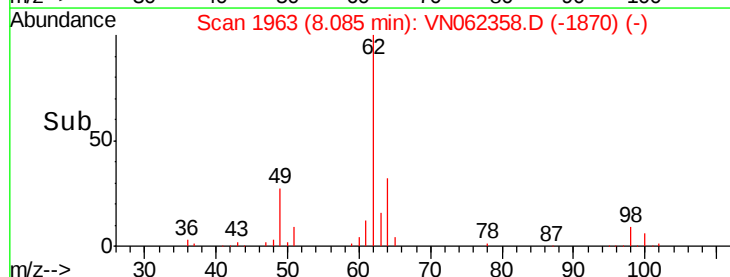
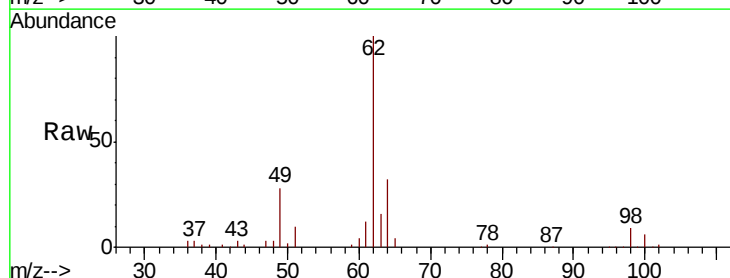
Manual Integrations
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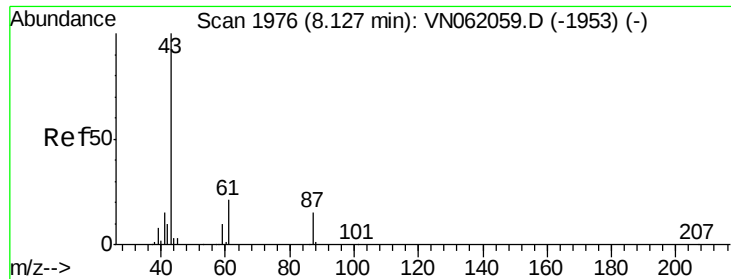
sam
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#42
1,2-Dichloroethane
Concen: 54.299 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:	62	Resp:	145663
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.8





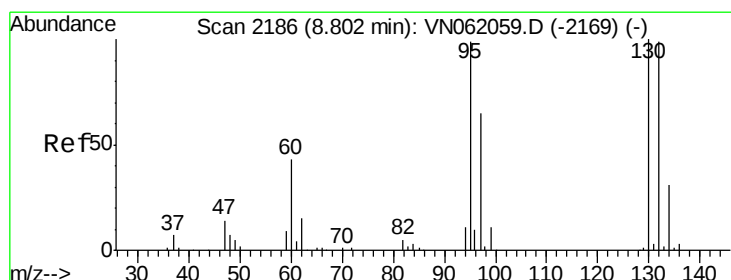
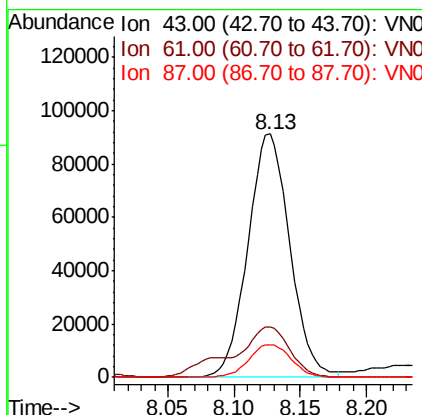
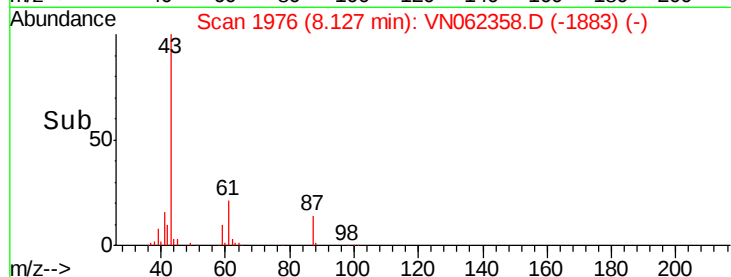
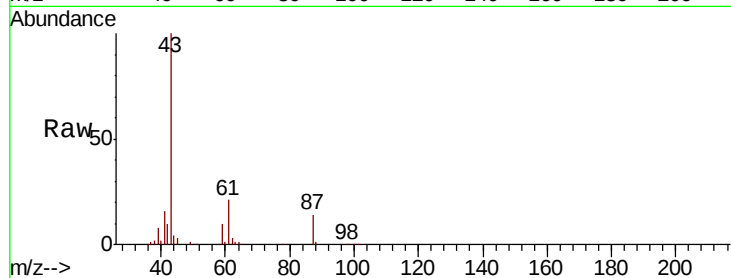
#43
Isopropyl Acetate
Concen: 57.223 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.2	25.8
87	13.6	12.1	18.1

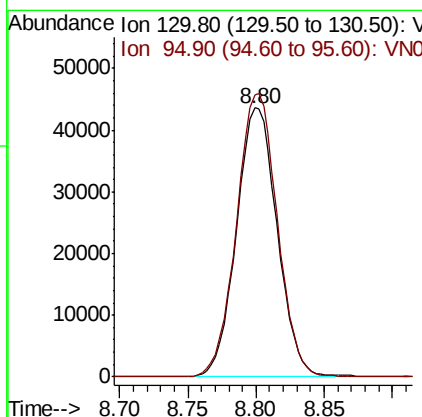
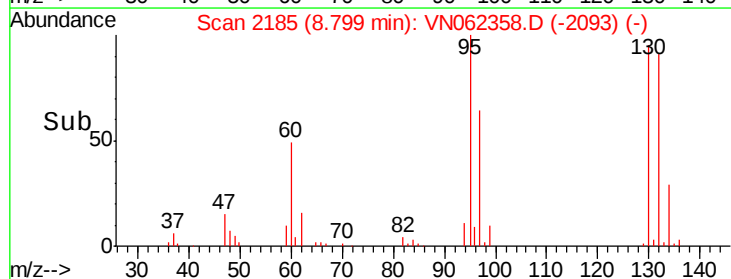
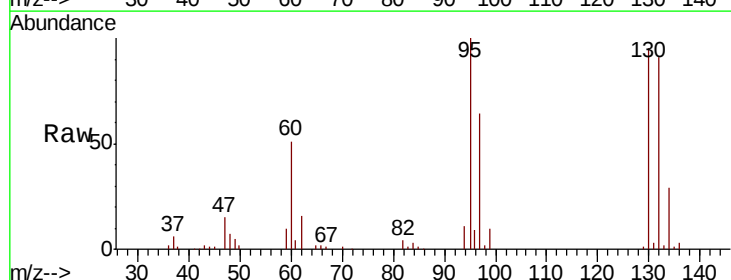
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#44
Trichloroethene
Concen: 45.159 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	197.8





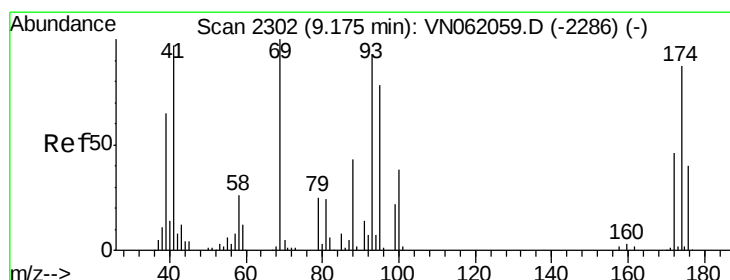
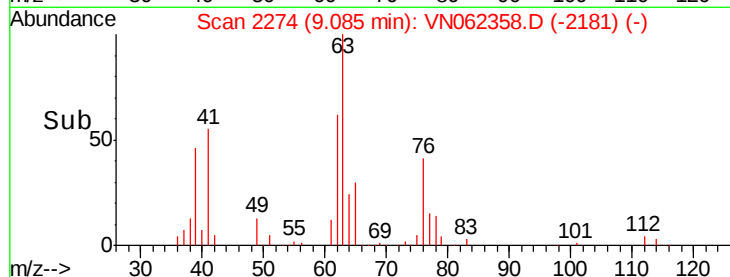
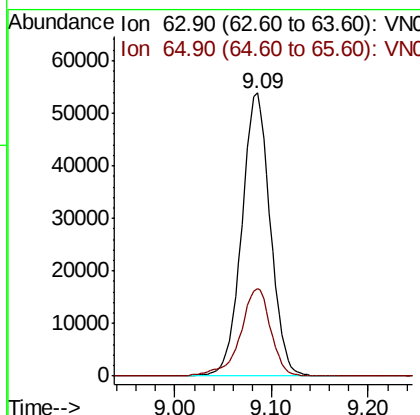
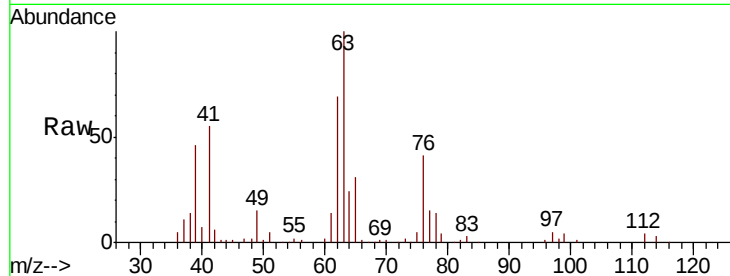
#45
 1,2-Dichloropropane
 Concen: 56.275 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion: 63 Resp: 110233
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4

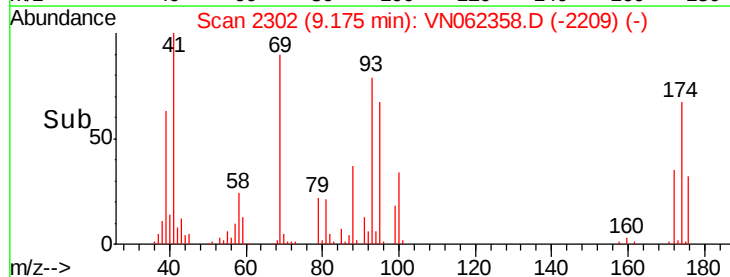
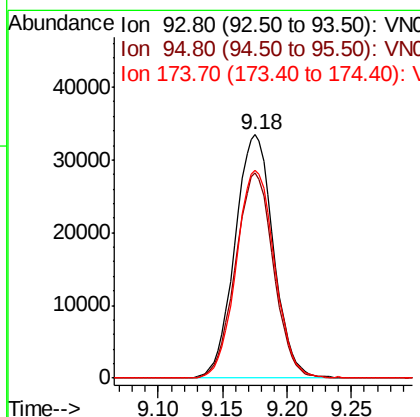
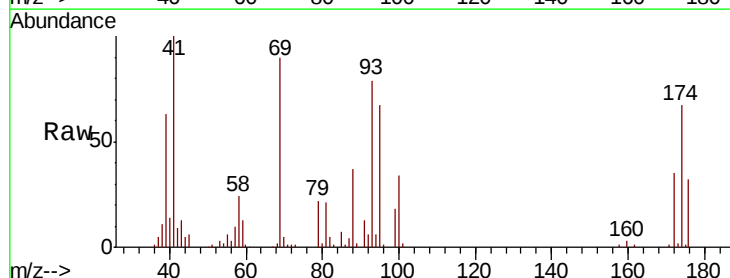
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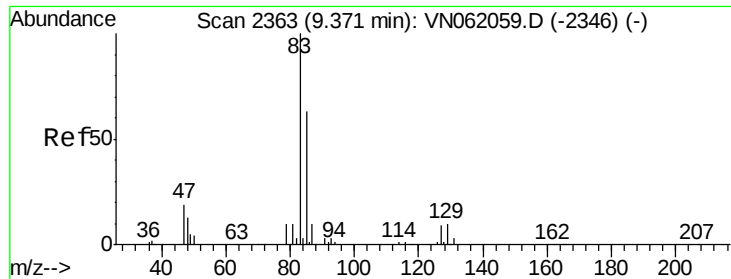
sam
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#46
 Dibromomethane
 Concen: 52.289 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 93 Resp: 69444
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 85.0 74.4 111.6





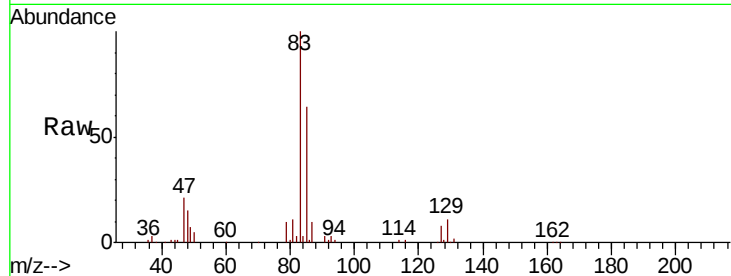
#47
Bromodichloromethane
Concen: 54.007 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

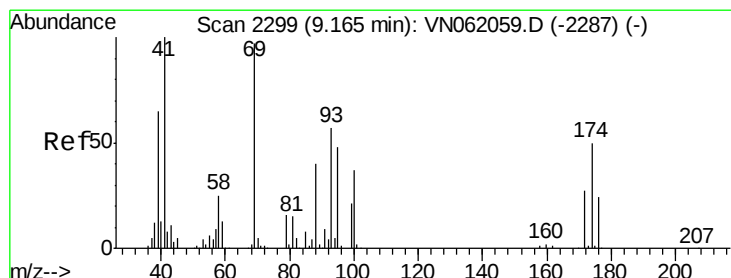
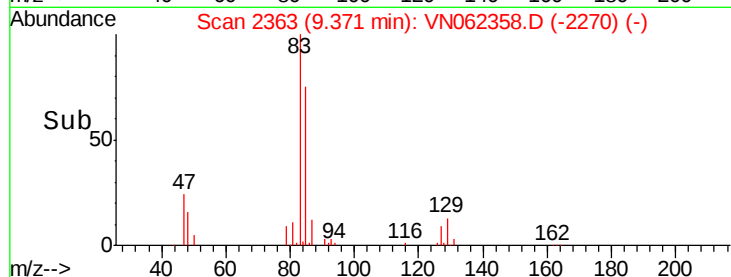
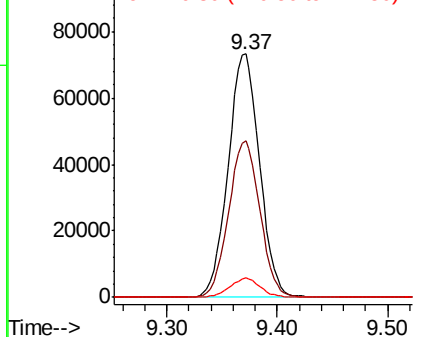
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5
127	7.8	6.9	10.3

Manual Integrations
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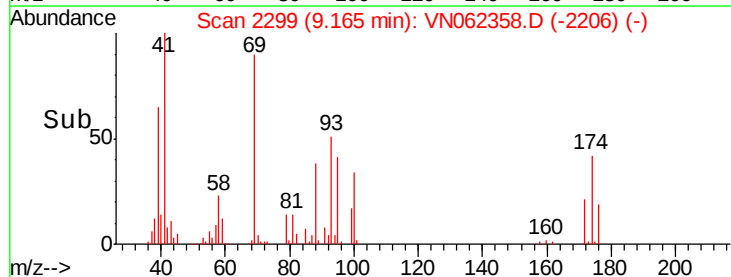
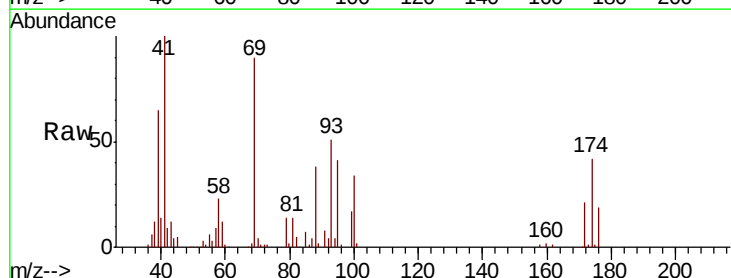
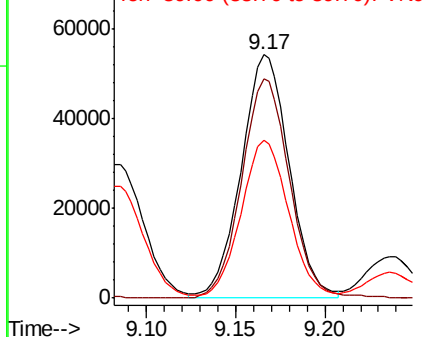
Abundance Ion 82.90 (82.60 to 83.60): VN062358.D (-2270) (-)
Ion 84.90 (84.60 to 85.60): VN062358.D (-2270) (-)
Ion 126.80 (126.50 to 127.50): VN062358.D (-2270) (-)



#48
Methyl methacrylate
Concen: 64.455 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.4	80.7	121.1
39	64.4	54.5	81.7

Abundance Ion 41.00 (40.70 to 41.70): VN062358.D (-2206) (-)
Ion 69.00 (68.70 to 69.70): VN062358.D (-2206) (-)
Ion 39.00 (38.70 to 39.70): VN062358.D (-2206) (-)





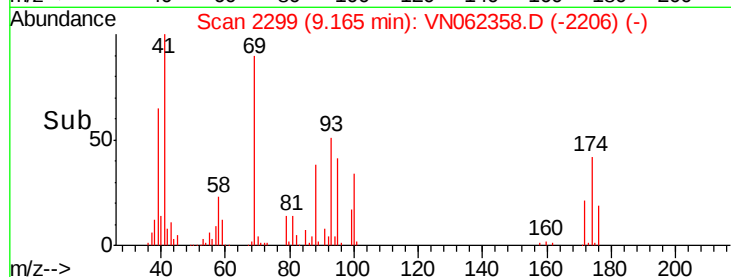
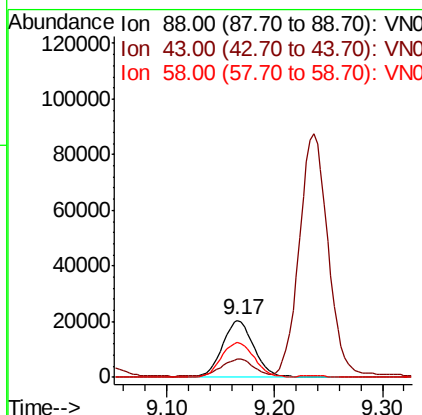
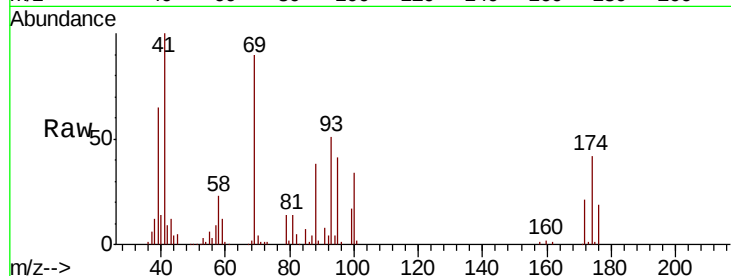
#49
1,4-Dioxane
Concen: 1192.025 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	22.0	33.0
58	63.8	49.2	73.8

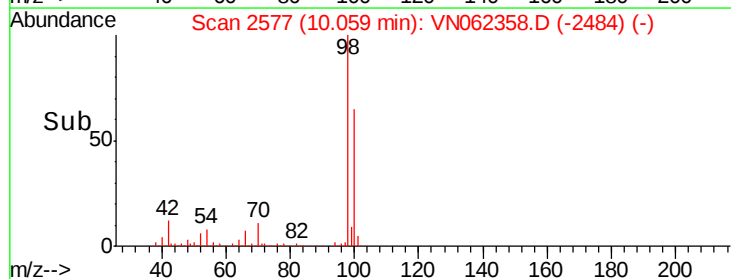
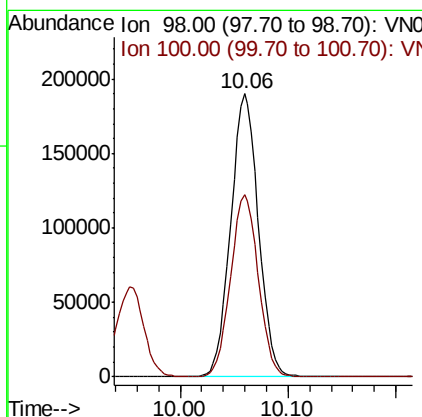
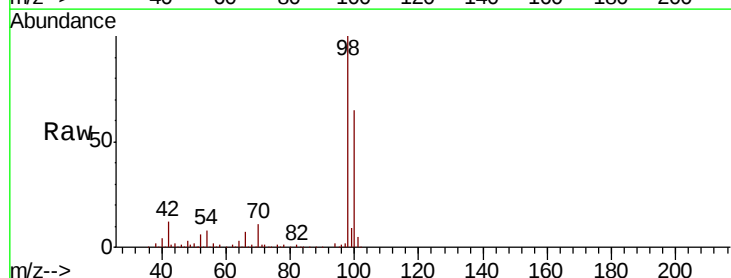
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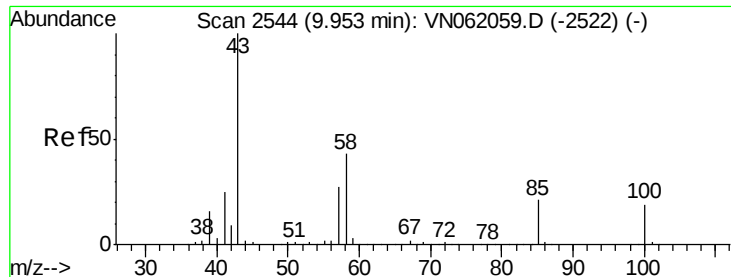
sam
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#50
Toluene-d8
Concen: 51.249 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 321.991 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 43 Resp: 661521

Ion Ratio Lower Upper

43 100

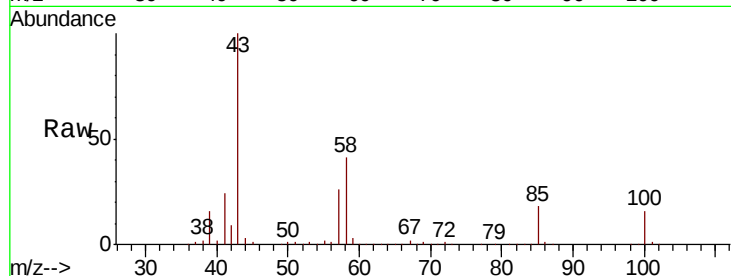
58 41.0 34.2 51.2

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Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

400000

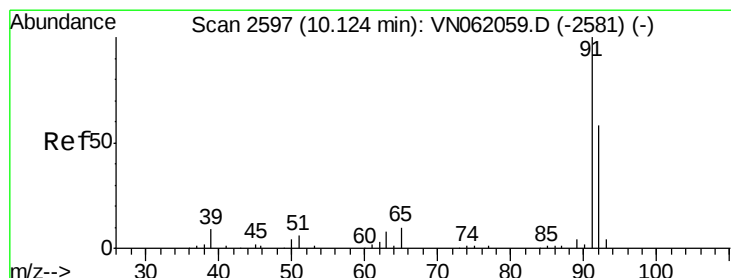
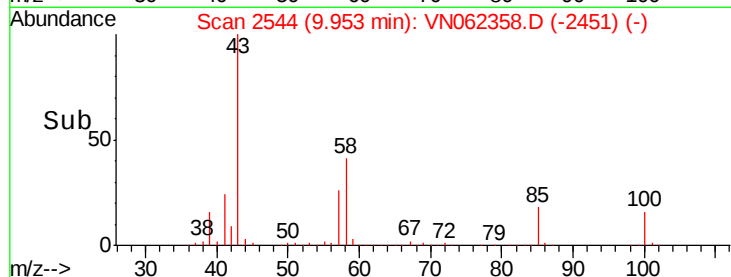
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.591 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062358.D

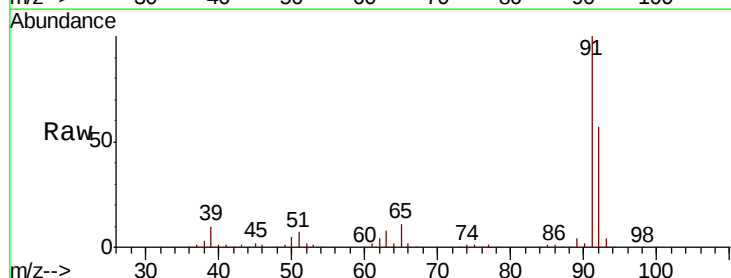
Acq: 3 Jul 2020 1:21

Tgt Ion: 92 Resp: 249935

Ion Ratio Lower Upper

92 100

91 175.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

250000

200000

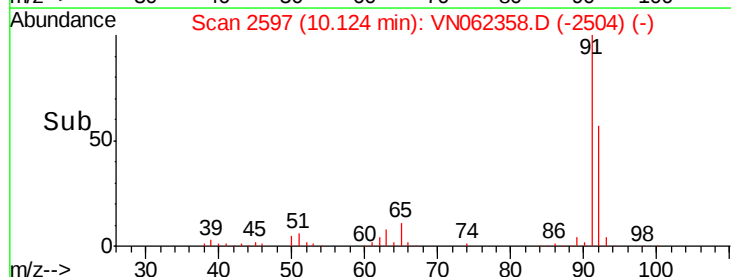
150000

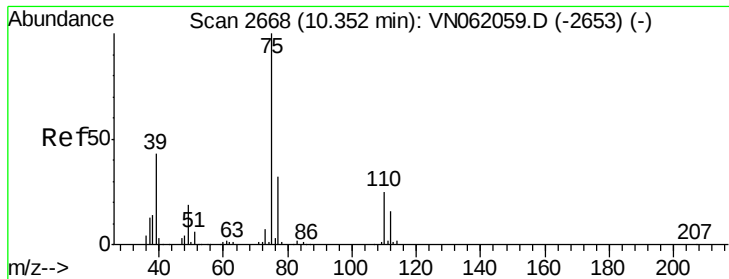
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.968 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 75 Resp: 159219

Ion Ratio Lower Upper

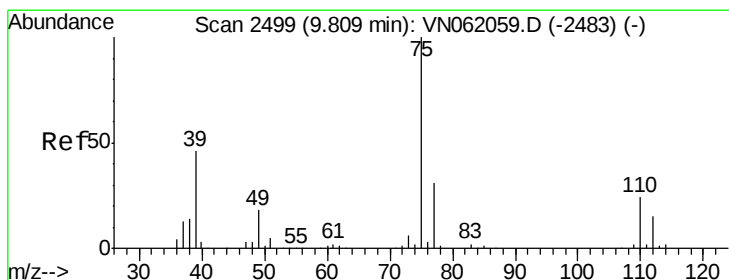
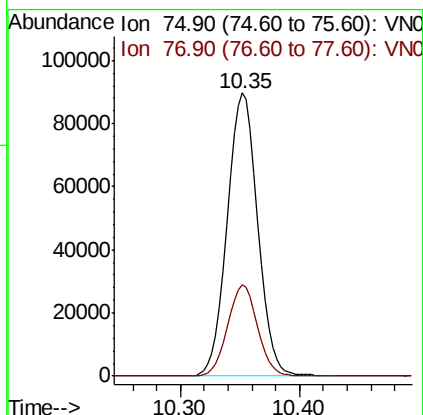
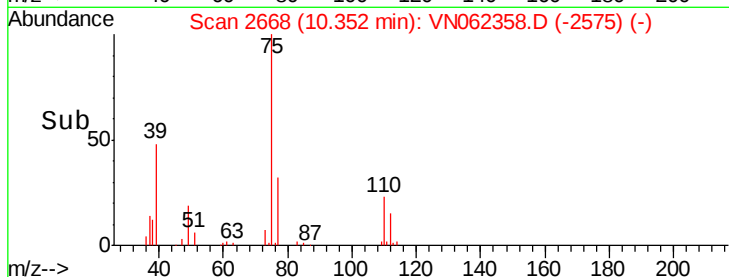
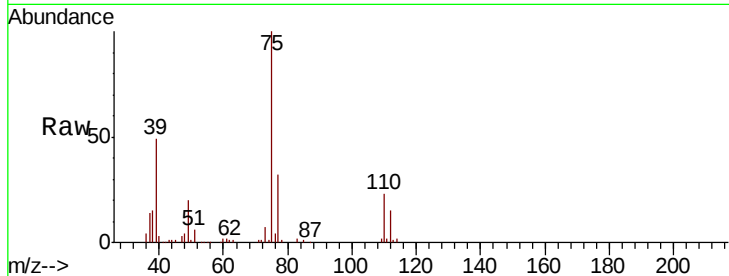
75 100

77 32.2 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 52.528 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

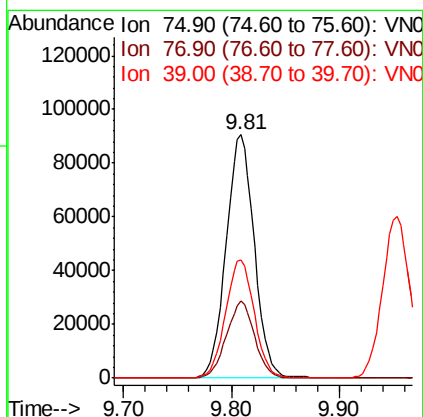
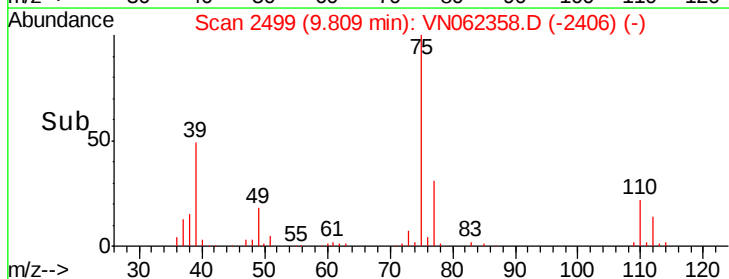
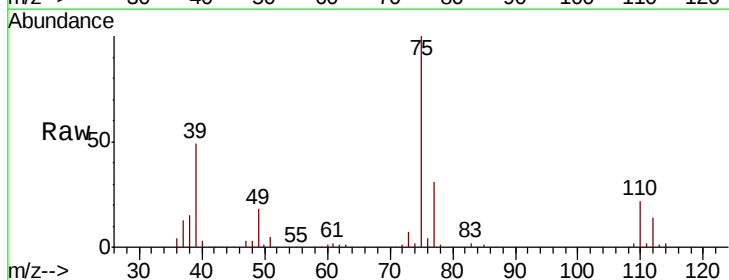
Tgt Ion: 75 Resp: 164988

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

39 48.7 36.9 55.3





#55

1,1,2-Trichloroethane

Concen: 55.205 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 97 Resp: 105130

Ion Ratio Lower Upper

97 100

83 88.1 68.2 102.2

85 57.2 43.2 64.8

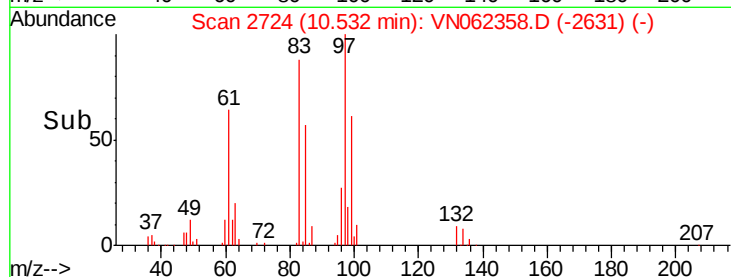
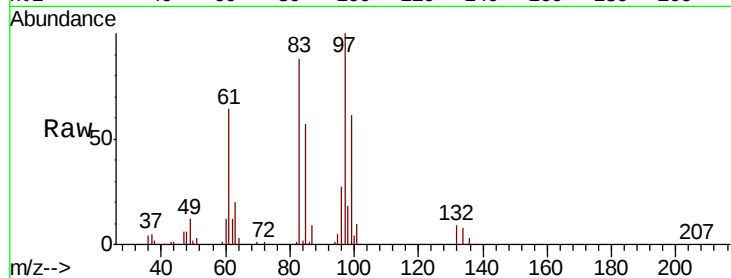
99 61.2 48.5 72.7

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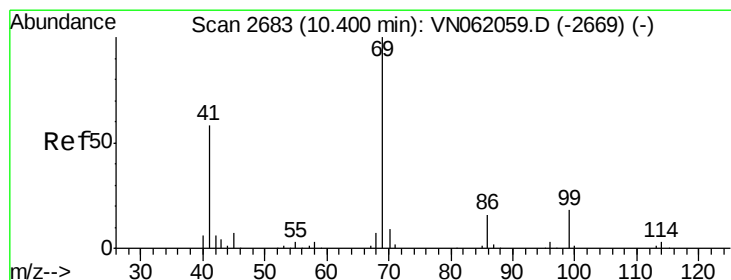
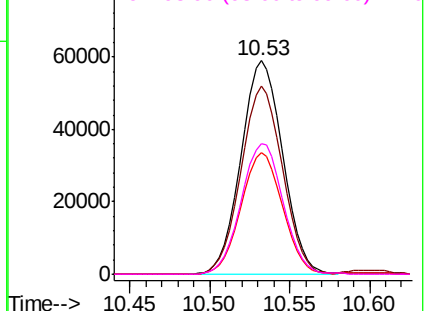


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 60.989 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

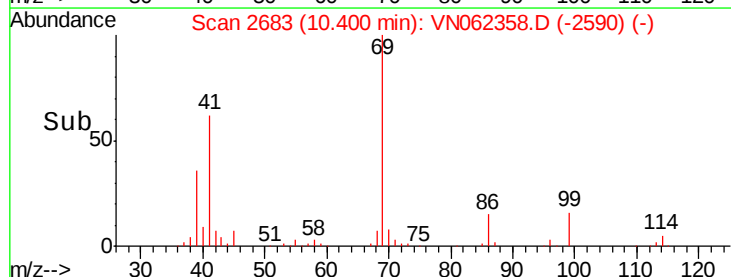
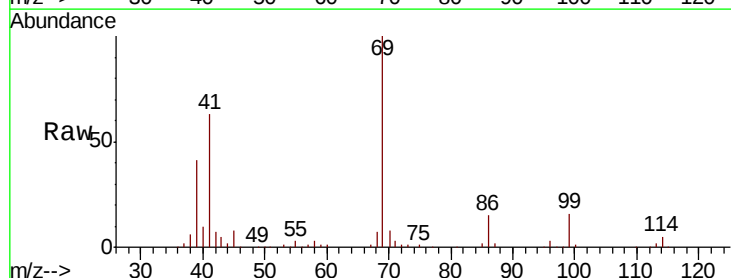
Tgt Ion: 69 Resp: 154998

Ion Ratio Lower Upper

69 100

41 62.2 46.6 70.0

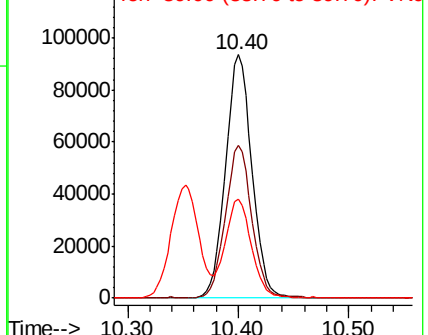
39 39.7 31.0 46.4

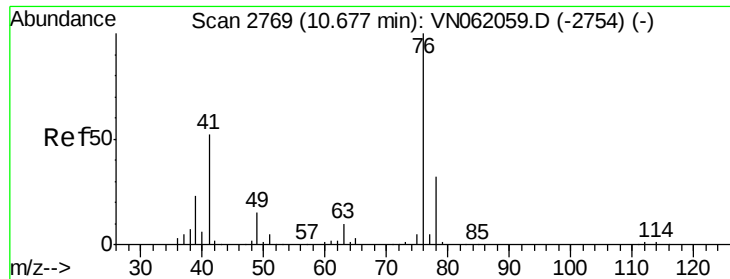


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.699 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 76 Resp: 182574

Ion Ratio Lower Upper

76 100

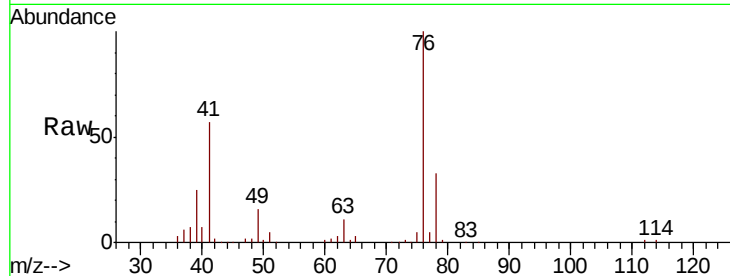
78 32.3 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN062358.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN062358.D (-2676) (-)

10.68

120000

100000

80000

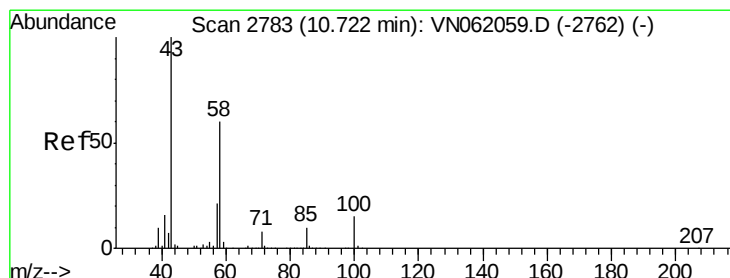
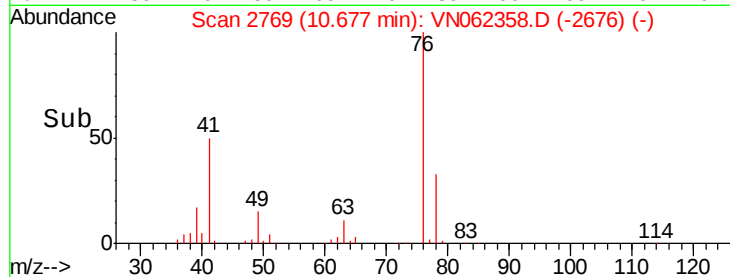
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 327.012 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN062358.D

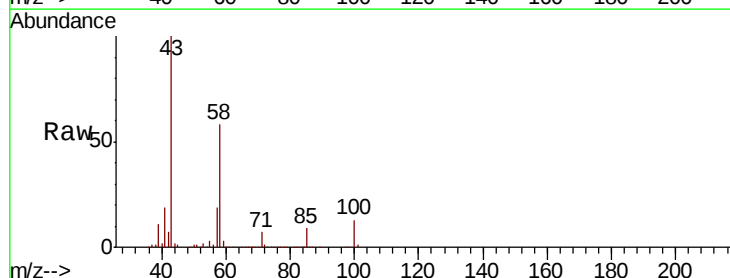
Acq: 3 Jul 2020 1:21

Tgt Ion: 43 Resp: 485131

Ion Ratio Lower Upper

43 100

58 57.5 29.5 88.5



Abundance Ion 43.00 (42.70 to 43.70): VN062358.D (-2690) (-)

Ion 58.00 (57.70 to 58.70): VN062358.D (-2690) (-)

10.72

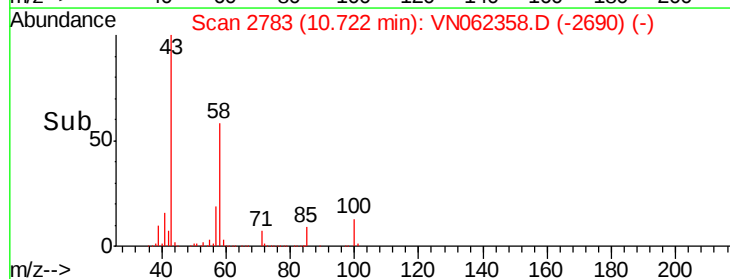
300000

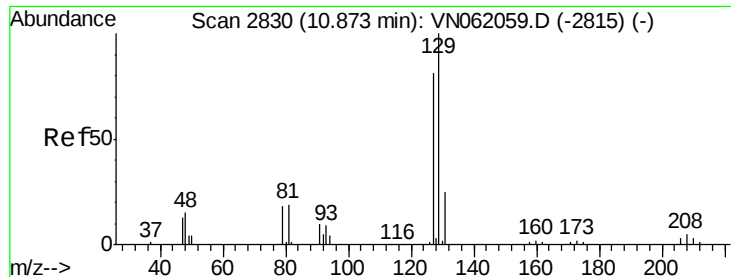
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 53.535 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion:129 Resp: 107936

Ion Ratio Lower Upper

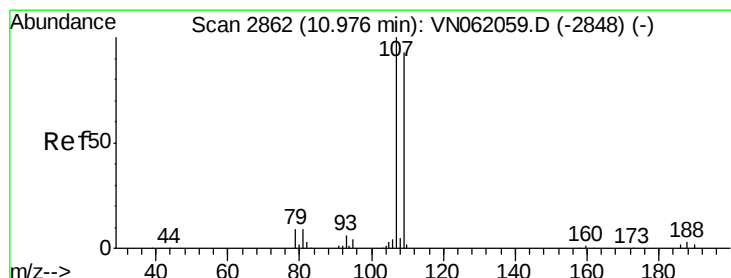
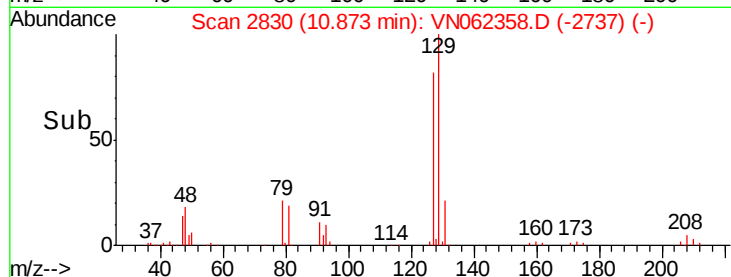
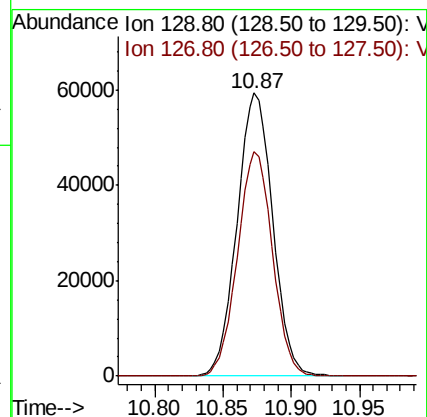
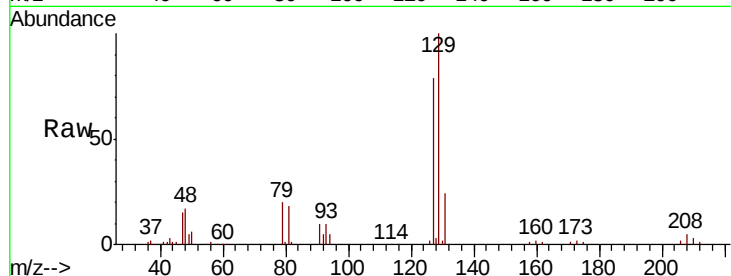
129 100

127 77.6 39.5 118.5

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#61

1,2-Dibromoethane

Concen: 52.838 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN062358.D

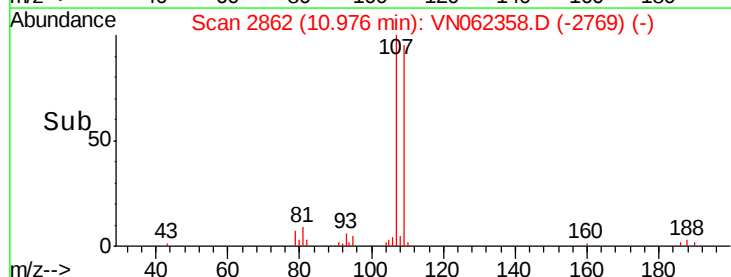
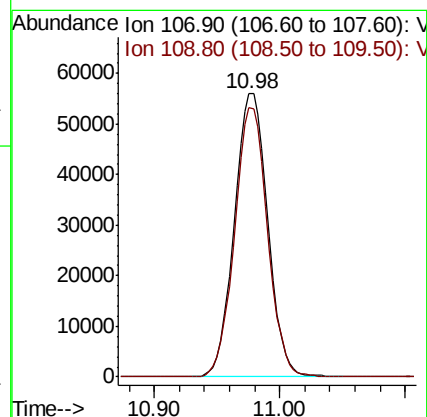
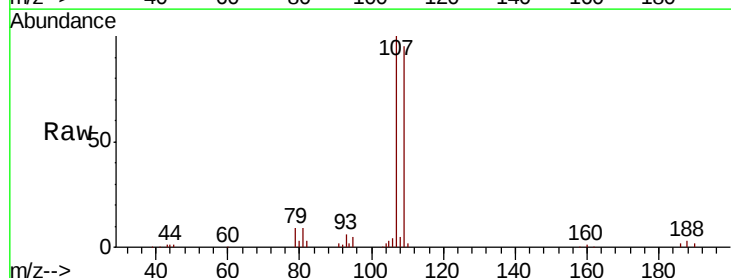
Acq: 3 Jul 2020 1:21

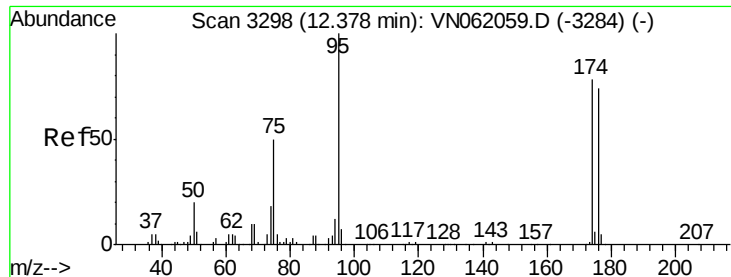
Tgt Ion:107 Resp: 103391

Ion Ratio Lower Upper

107 100

109 94.0 75.0 112.6





#62

4-Bromofluorobenzene

Concen: 52.953 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

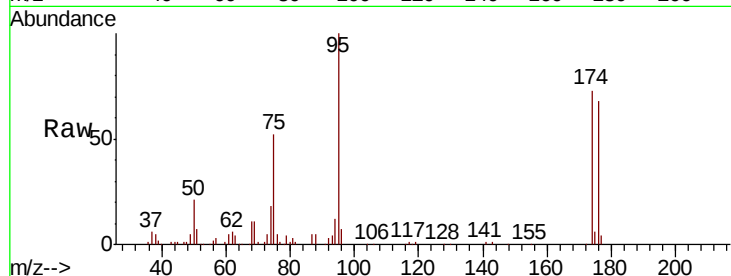
ClientSampleId :

33BR-20200625MS

Tot Ion:	95	Resp:	118904
Ion Ratio	Lower	Upper	
95	100		
174	71.9	0.0	154.8
176	68.5	0.0	147.4

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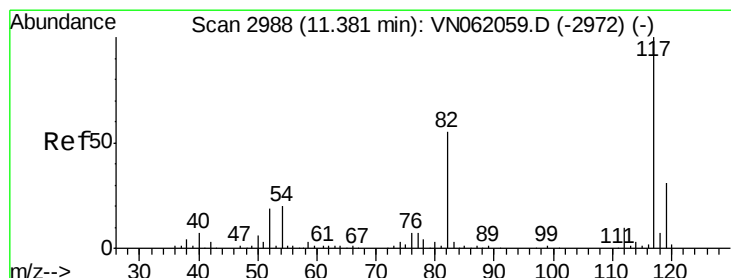
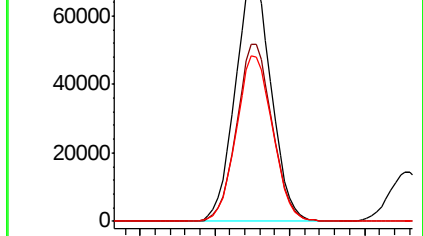
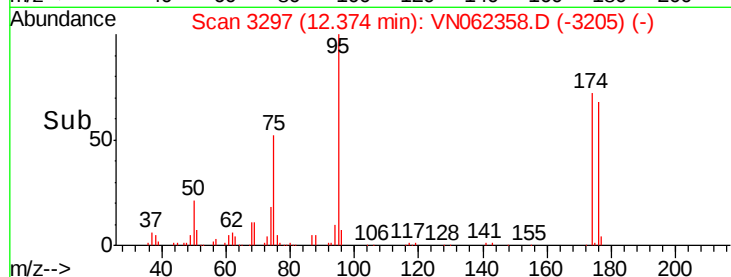


Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

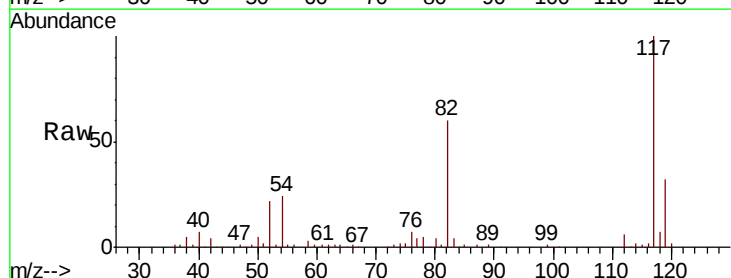
RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion:	117	Resp:	247078
Ion Ratio	Lower	Upper	
117	100		
82	60.4	43.8	65.8
119	31.7	25.2	37.8

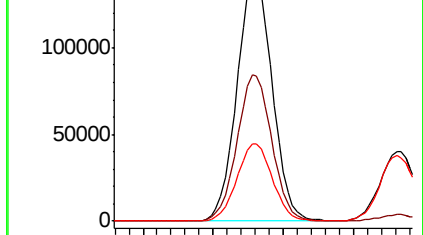
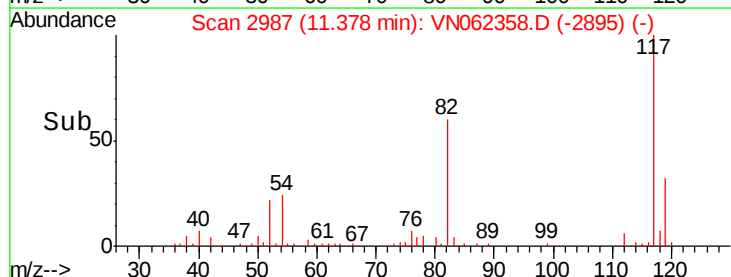


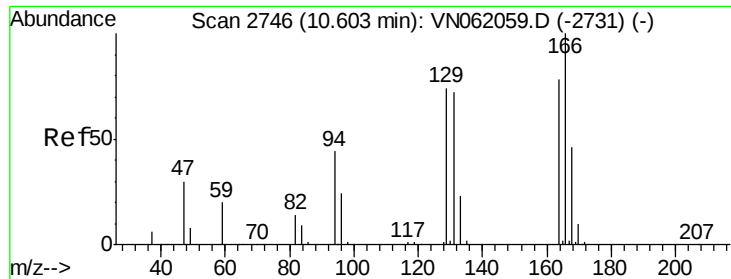
Abundance Ion 116.90 (116.60 to 117.60): VN062059.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN062059.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN062059.D (-2972) (-)

Time-->





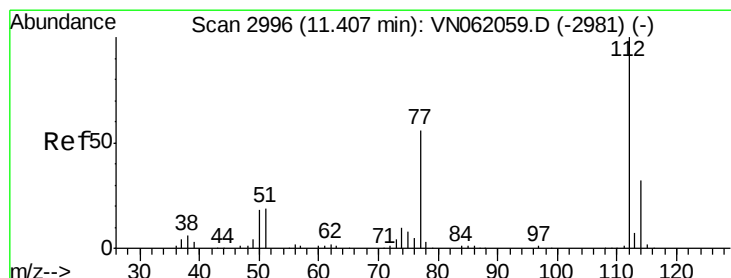
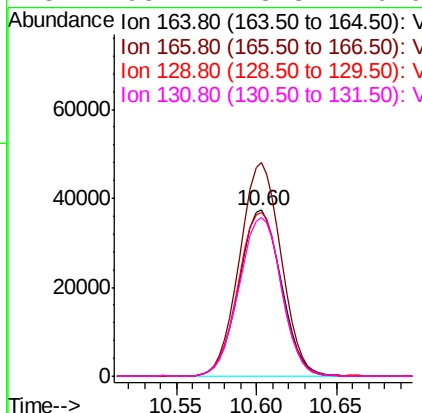
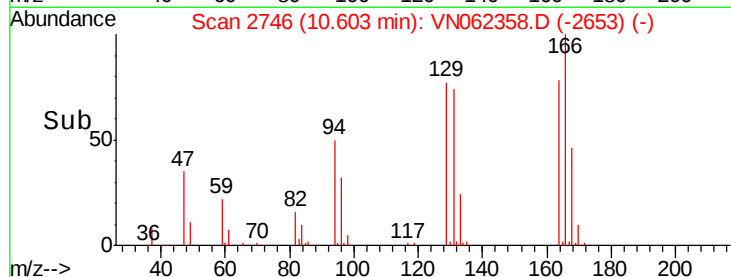
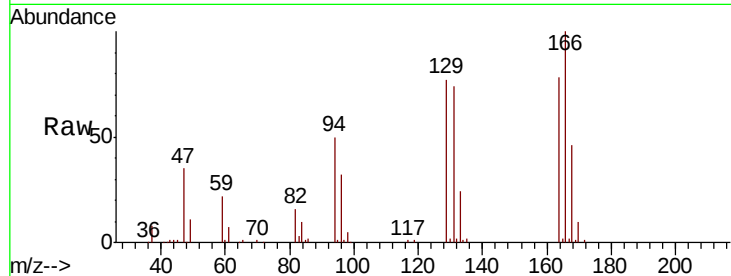
#64
Tetrachloroethene
Concen: 39.956 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.9	154.3
129	98.9	75.8	113.8
131	95.7	73.8	110.6

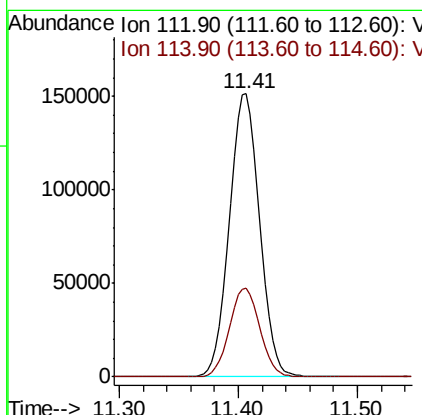
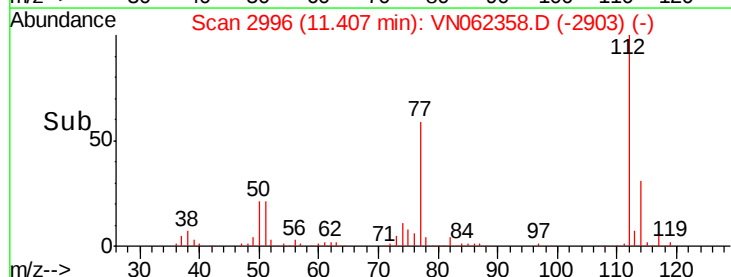
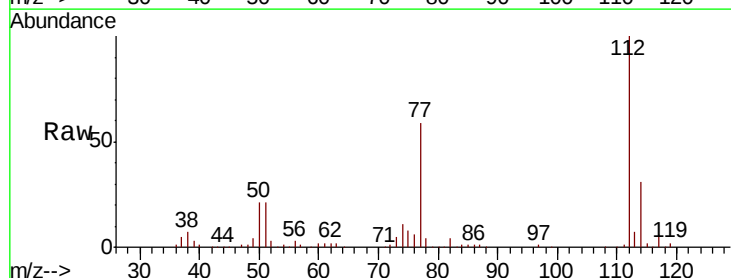
Manual Integrations
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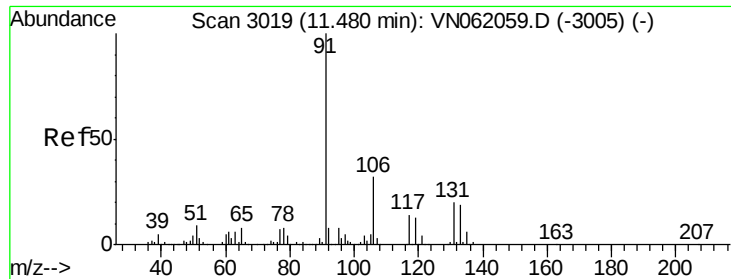
sam
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#65
Chlorobenzene
Concen: 49.137 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 50.963 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

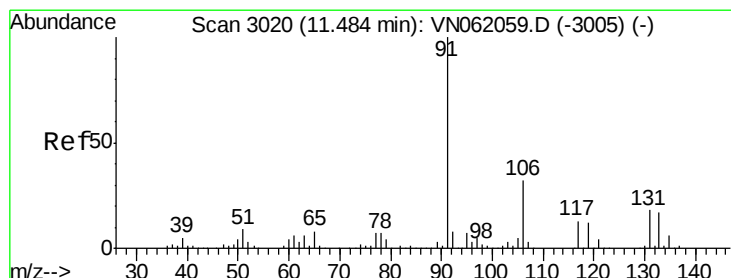
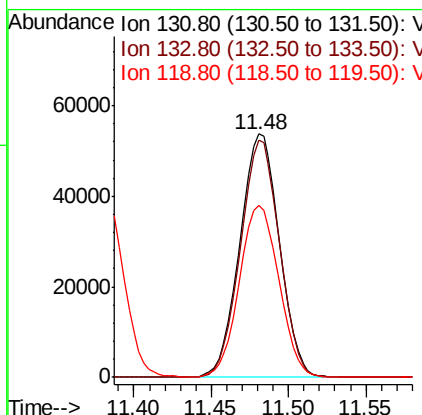
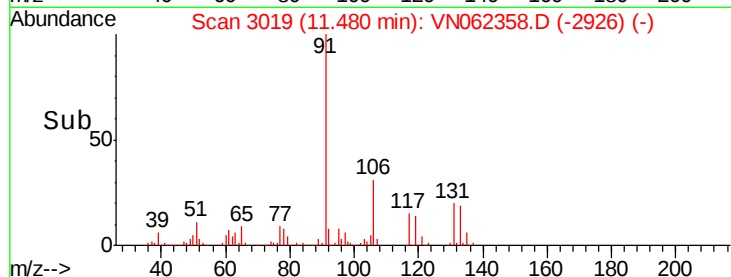
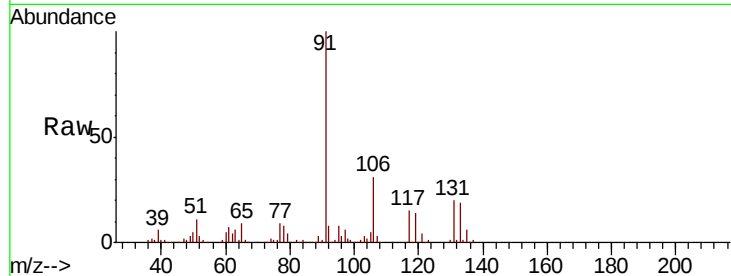
33BR-20200625MS

Tot Ion:	131	Resp:	95617
Ion Ratio	Lower	Upper	
131	100		
133	96.1	47.6	142.9
119	70.6	34.4	103.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 51.667 ug/l

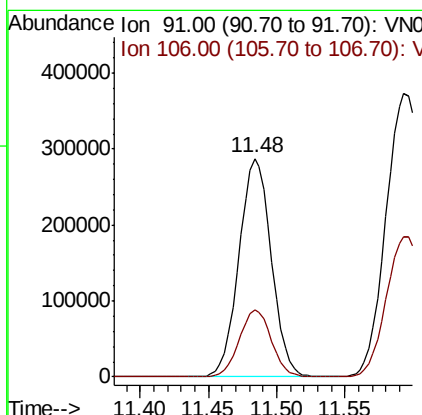
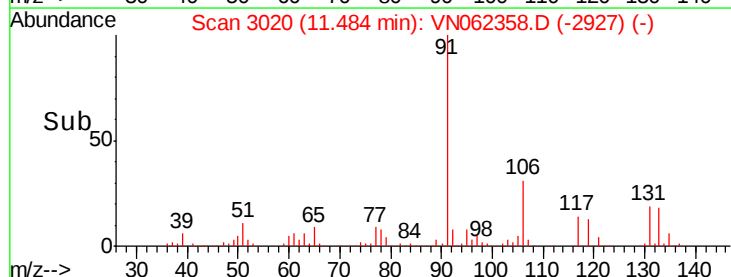
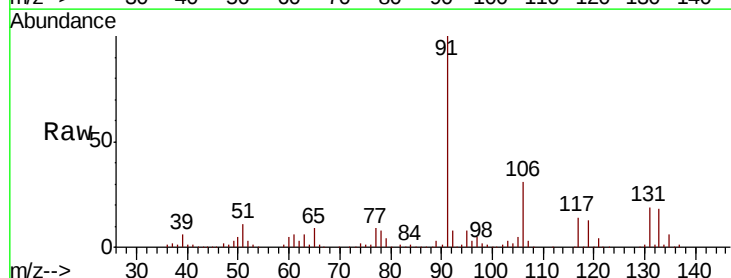
RT: 11.48 min Scan# 3020

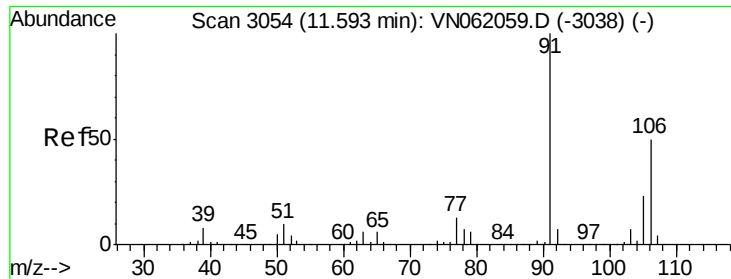
Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion:	91	Resp:	473461
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.3	37.9





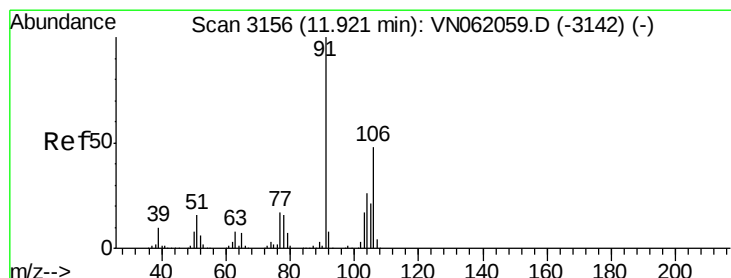
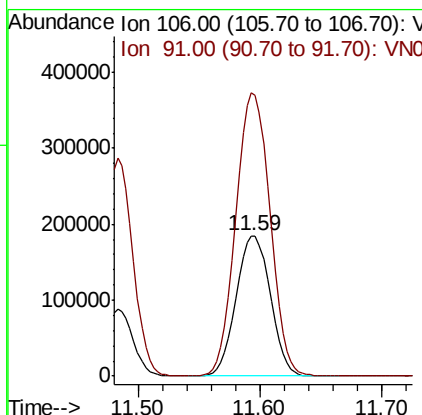
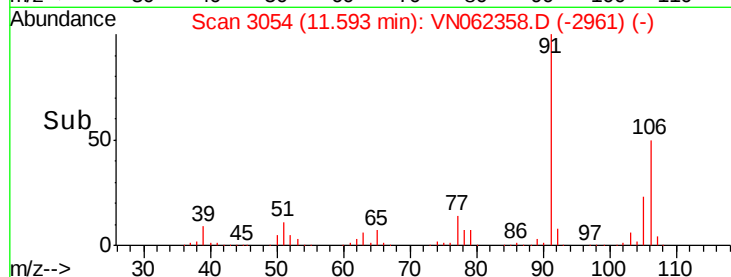
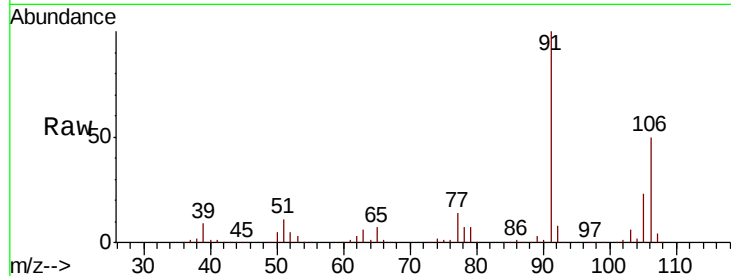
#68
m/p-Xylenes
Concen: 101.201 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion:106 Resp: 358690
Ion Ratio Lower Upper
106 100
91 201.8 157.8 236.8

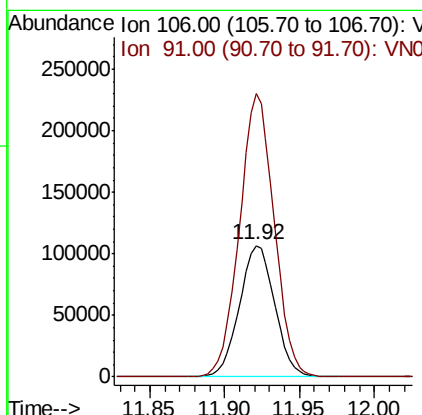
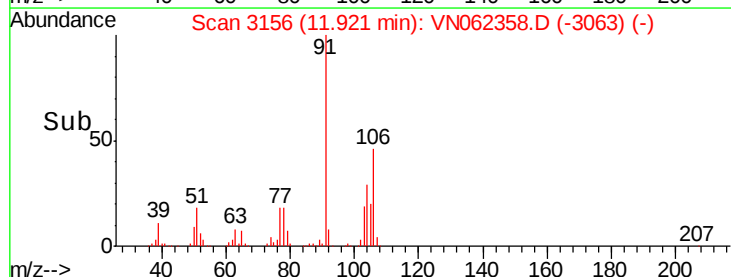
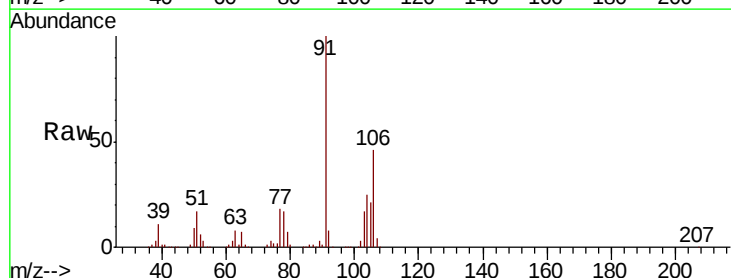
Manual Integrations
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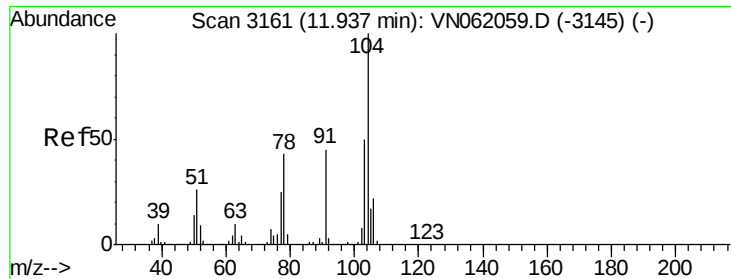
sam
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#69
o-Xylene
Concen: 52.131 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:106 Resp: 174332
Ion Ratio Lower Upper
106 100
91 212.8 104.0 311.9





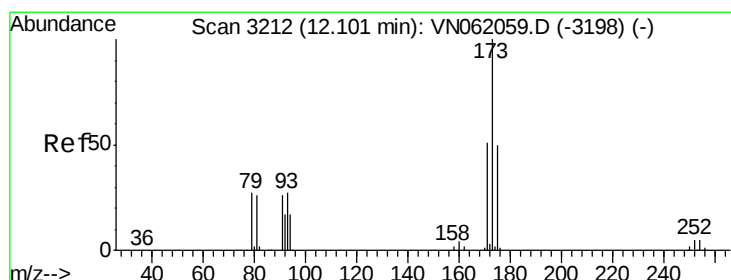
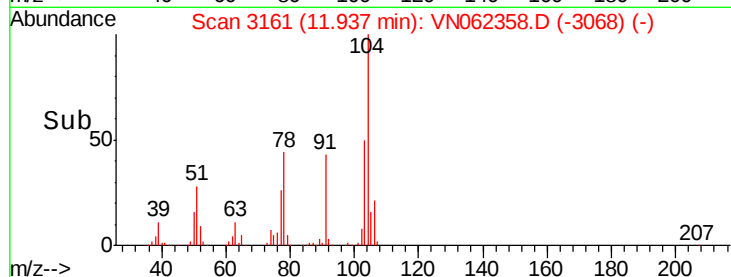
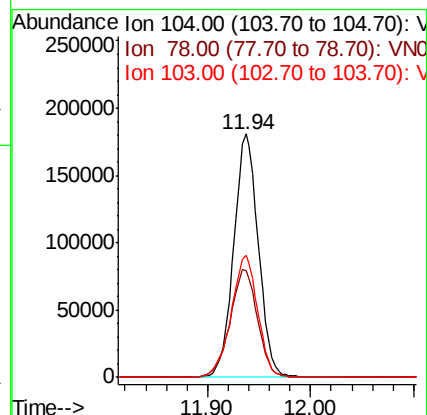
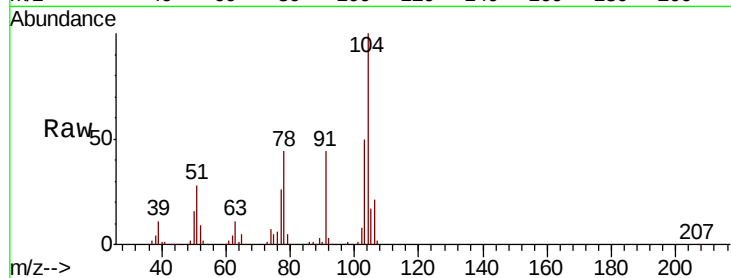
#70
Stvrene
Concen: 54.038 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		301378		
78	49.1		37.7	56.5	
103	53.9		43.0	64.6	

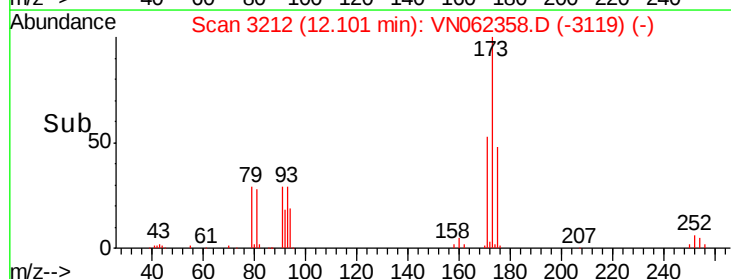
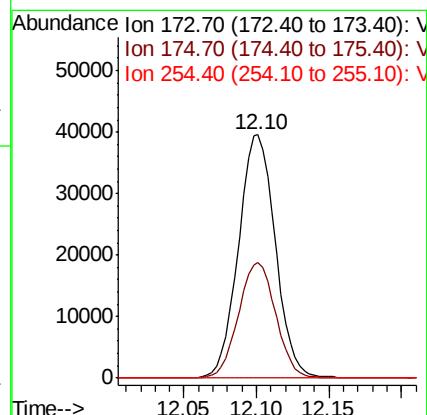
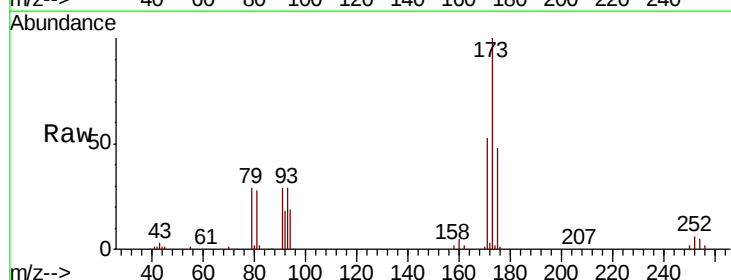
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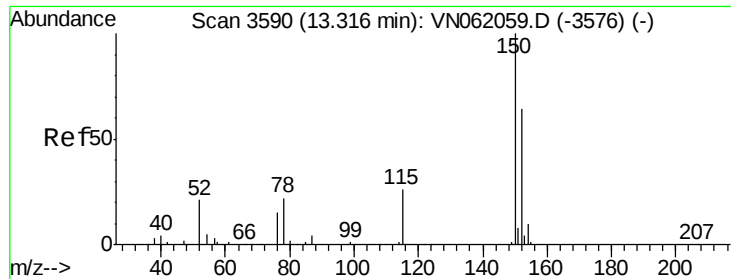
sam
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#71
Bromoform
Concen: 52.337 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100		69816		
175	47.9		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# 3591

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion:152 Resp: 118616

Ion Ratio Lower Upper

152 100

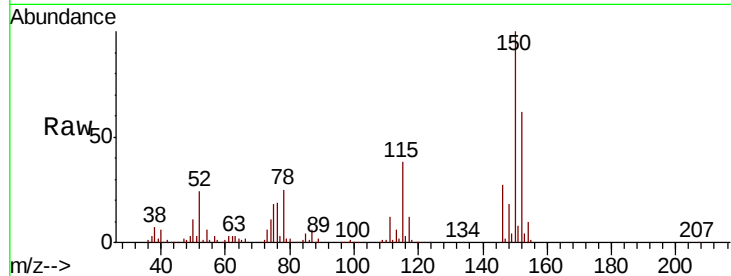
115 61.6 29.5 88.5

150 175.7 0.0 351.4

Manual Integrations
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sam

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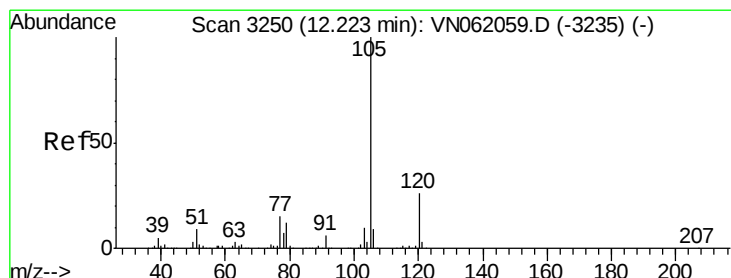
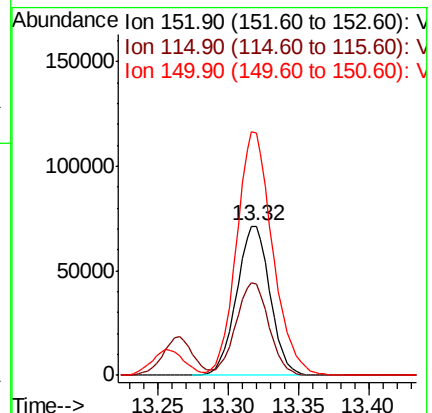
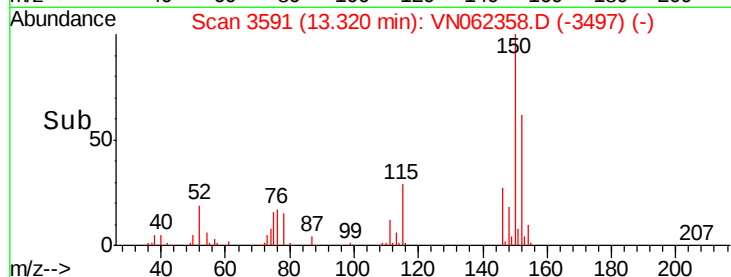


Abundance

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: 48.912 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062358.D

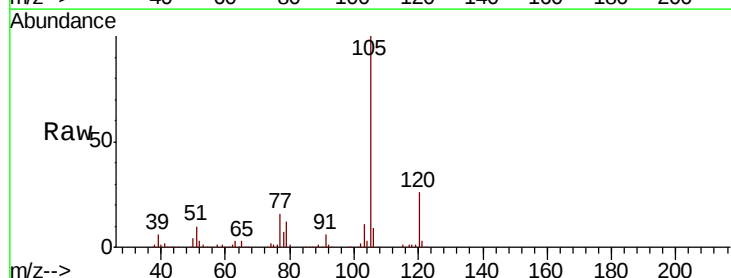
Acq: 3 Jul 2020 1:21

Tgt Ion:105 Resp: 449102

Ion Ratio Lower Upper

105 100

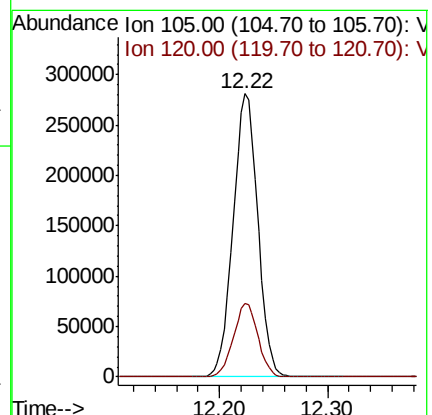
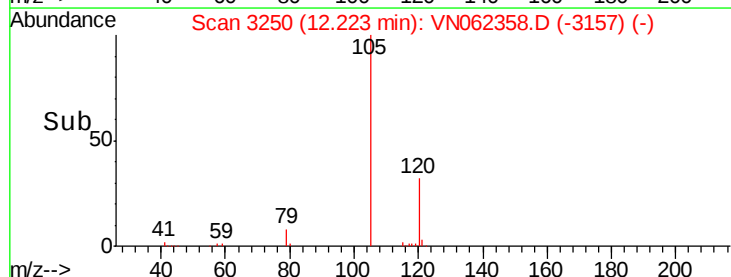
120 25.8 13.2 39.6

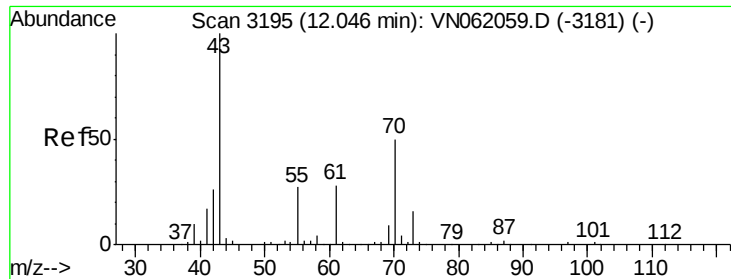


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.590 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

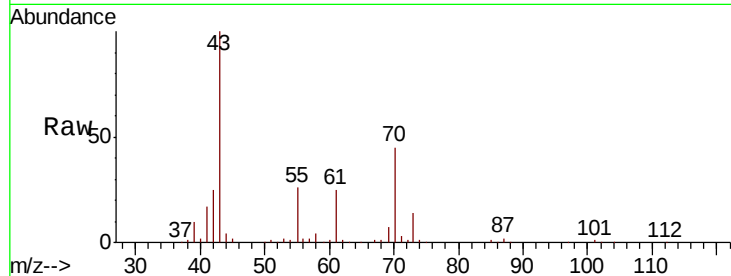
ClientSampleId :

33BR-20200625MS

Tot Ion:	43	Resp:	178379
Ion	Ratio	Lower	Upper
43	100		
70	46.0	39.4	59.2
55	26.8	21.7	32.5
61	25.4	21.3	31.9

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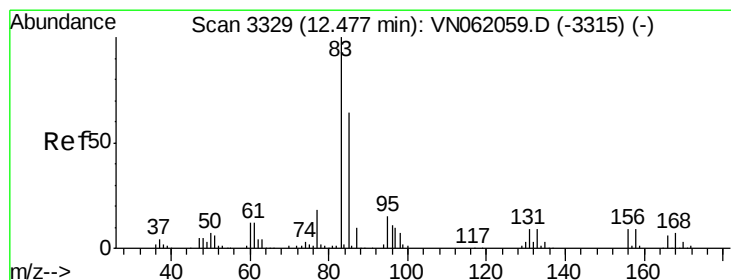
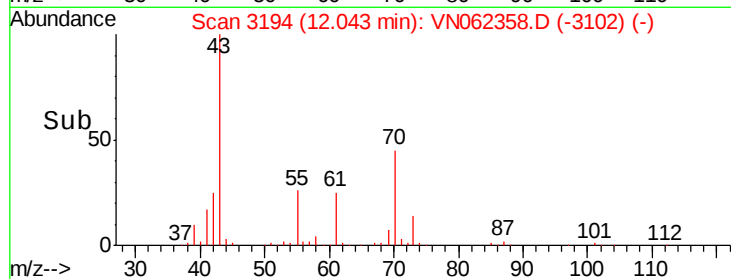
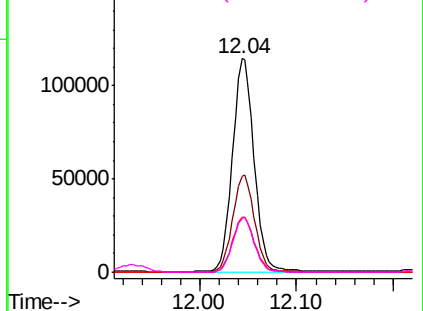


Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-3181) (-)

Ion 70.00 (69.70 to 70.70): VN062059.D (-3181) (-)

Ion 55.00 (54.70 to 55.70): VN062059.D (-3181) (-)

Ion 61.00 (60.70 to 61.70): VN062059.D (-3181) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 53.884 ug/l

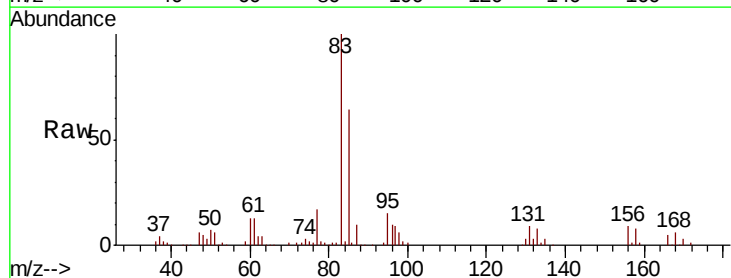
RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

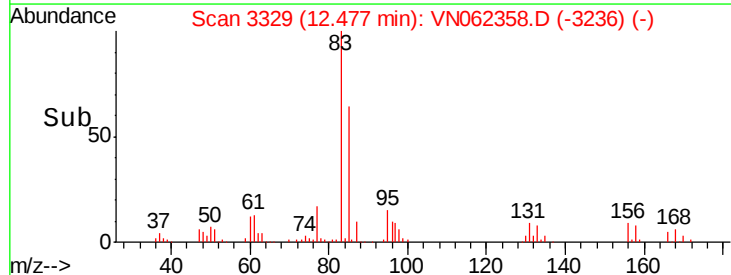
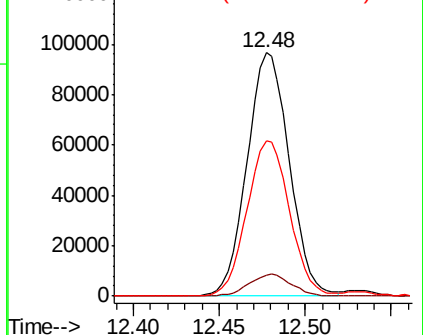
Tgt Ion:	83	Resp:	164641
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.8	14.4
85	64.2	32.4	97.0

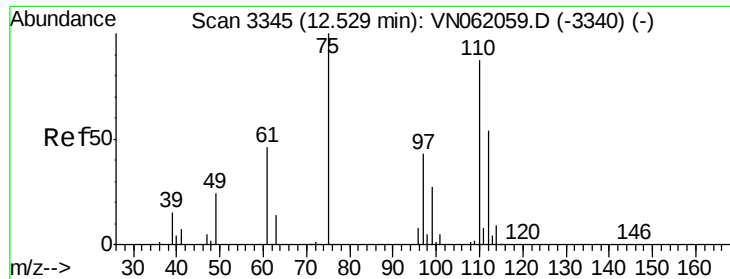


Abundance Ion 82.90 (82.60 to 83.60): VN062059.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062059.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062059.D (-3315) (-)





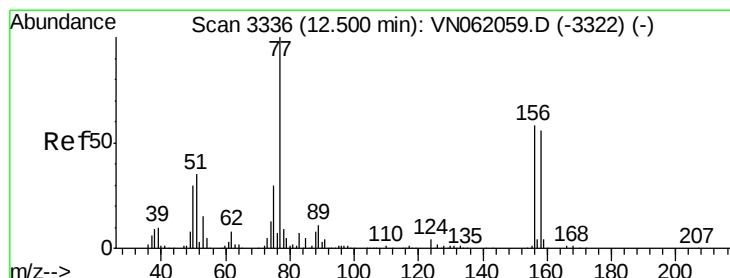
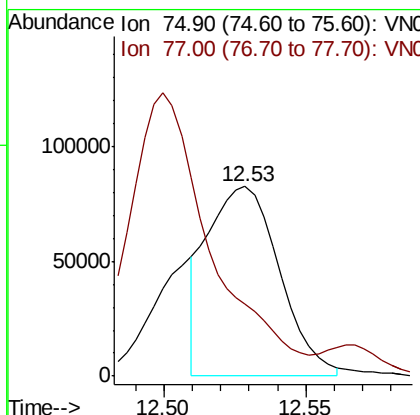
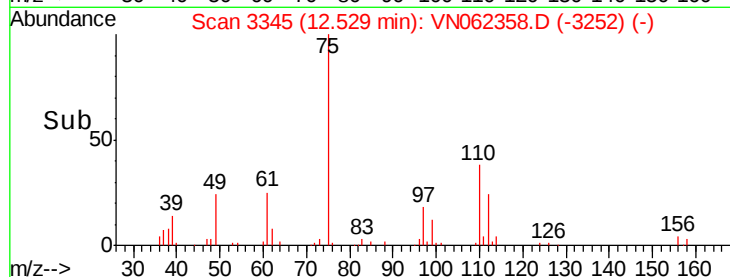
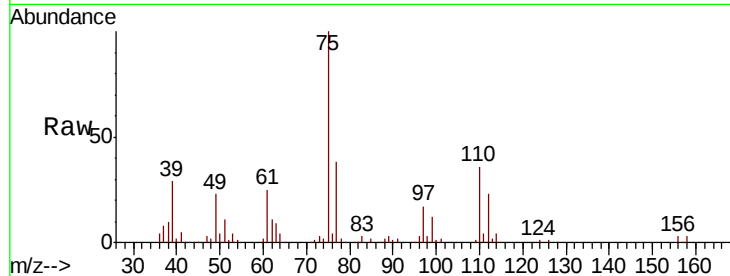
#76
1,2,3-Trichloropropane
Concen: 52.223 ug/l m
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampled :
33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

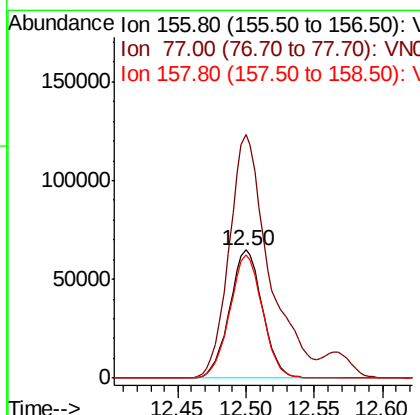
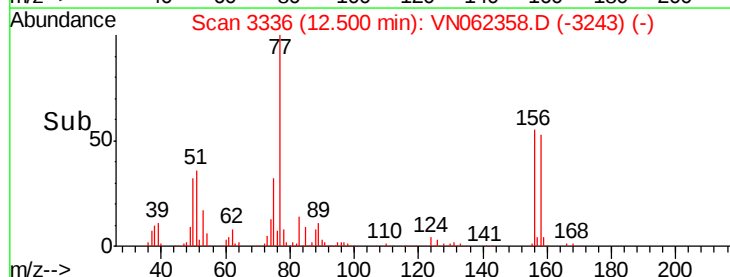
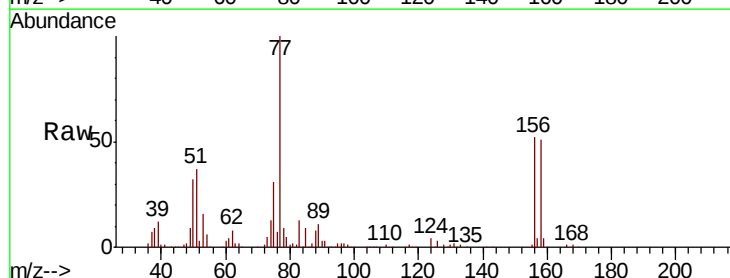
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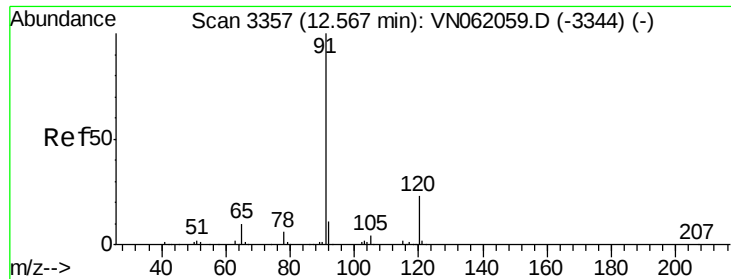
sam
7/6/2020 11:34:36 AM



#77
Bromobenzene
Concen: 47.463 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
156	100		
77	231.4	104.6	313.8
158	95.9	48.0	144.0





#78

n-propylbenzene

Concen: 50.142 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 91 Resp: 526627

Ion Ratio Lower Upper

91 100

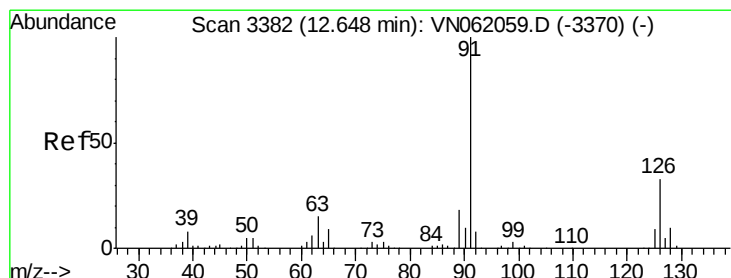
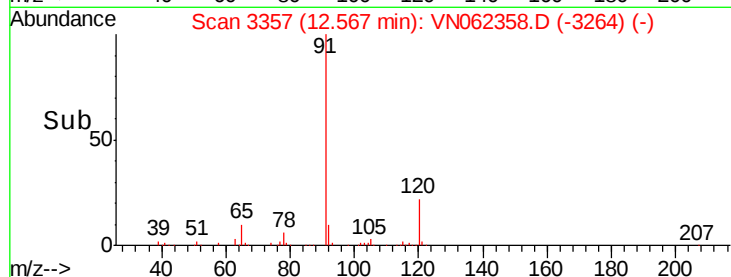
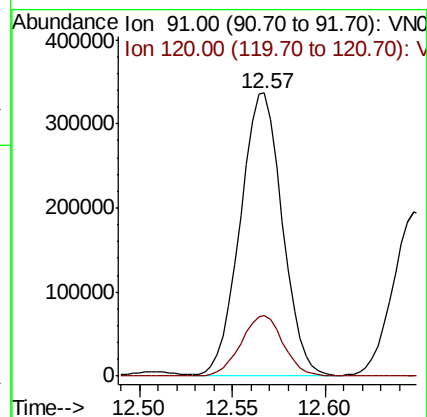
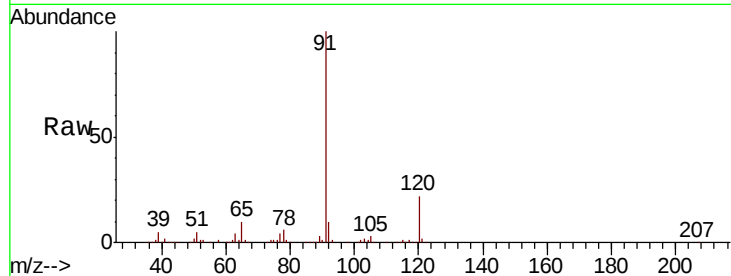
120 21.6 11.4 34.1

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sam

7/6/2020 11:34:36 AM



#79

2-Chlorotoluene

Concen: 50.677 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062358.D

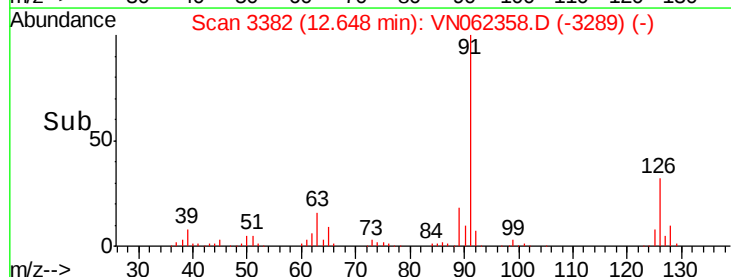
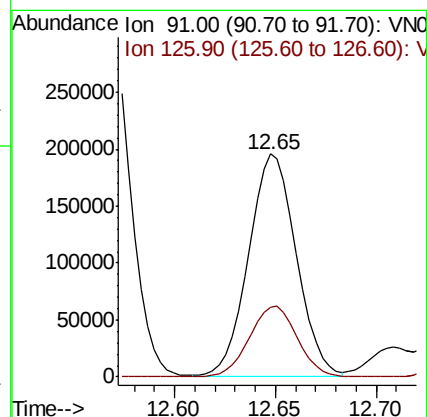
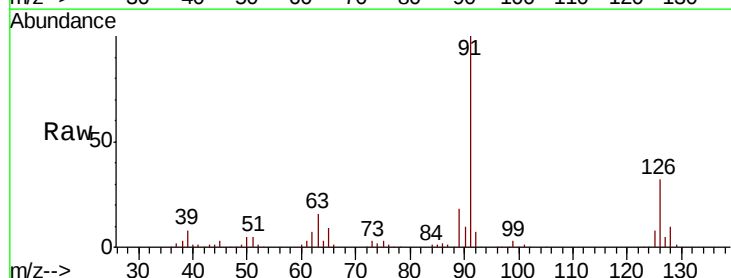
Acq: 3 Jul 2020 1:21

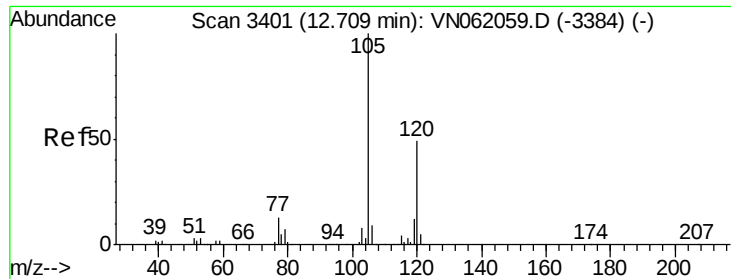
Tgt Ion: 91 Resp: 321767

Ion Ratio Lower Upper

91 100

126 32.2 16.9 50.7





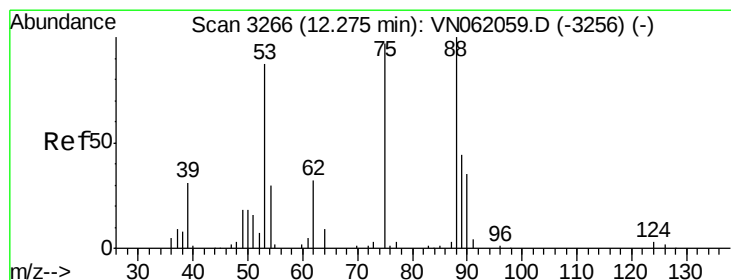
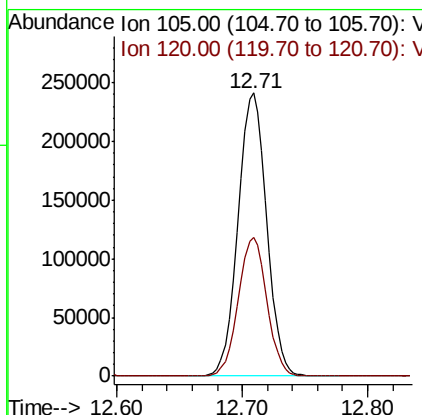
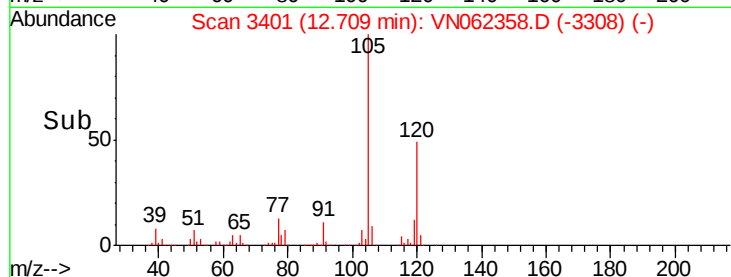
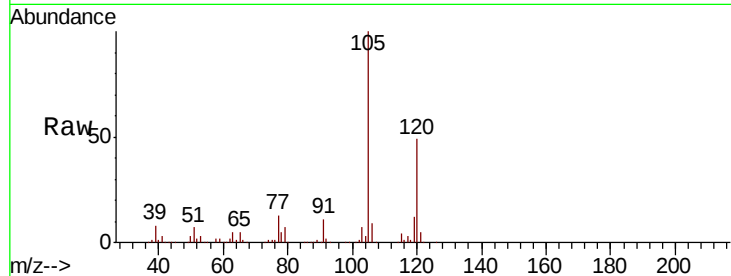
#80
 1,3,5-Trimethylbenzene
 Concen: 51.212 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion:105 Resp: 381183
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0

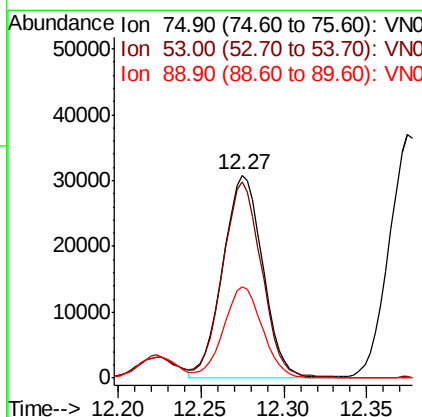
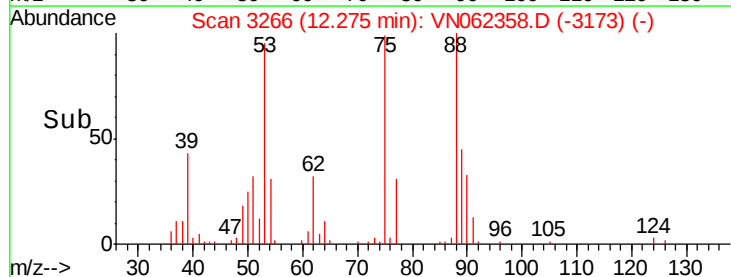
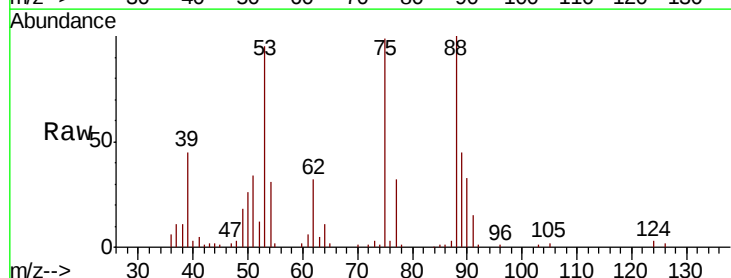
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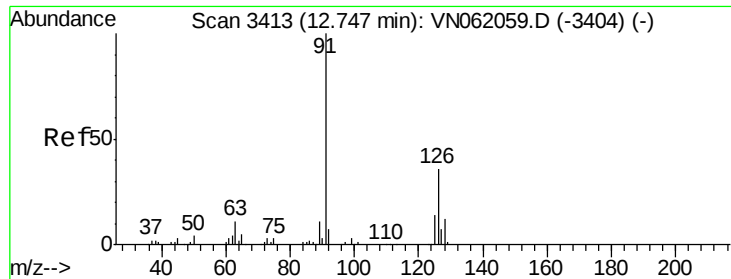
sam
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.208 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion: 75 Resp: 51831
 Ion Ratio Lower Upper
 75 100
 53 94.9 72.0 108.0
 89 43.4 36.9 55.3





#82

4-Chlorotoluene

Concen: 50.665 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625MS

Tot Ion: 91 Resp: 332660

Ion Ratio Lower Upper

91 100

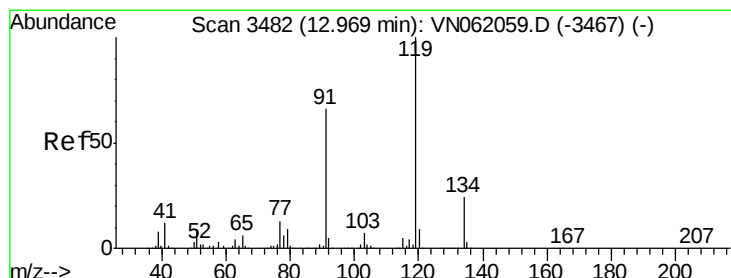
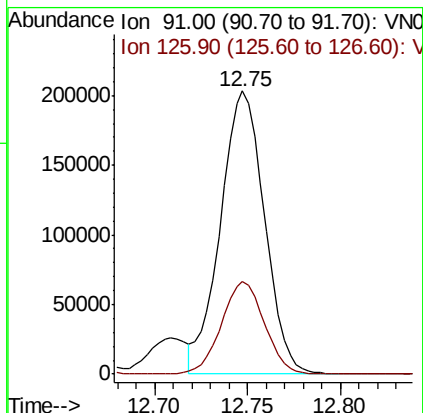
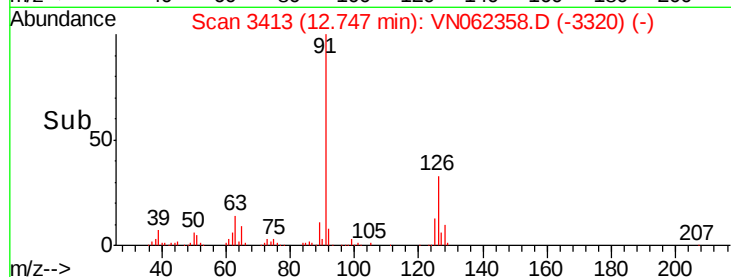
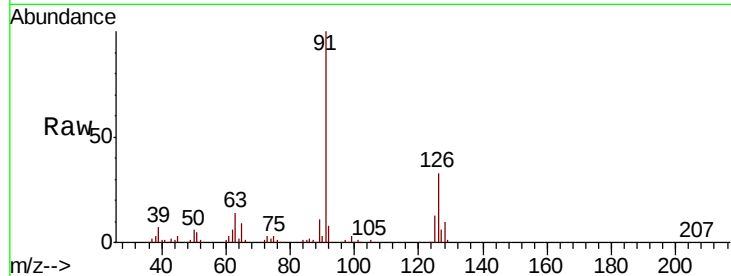
126 32.0 16.7 50.1

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#83

tert-Butylbenzene

Concen: 48.460 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

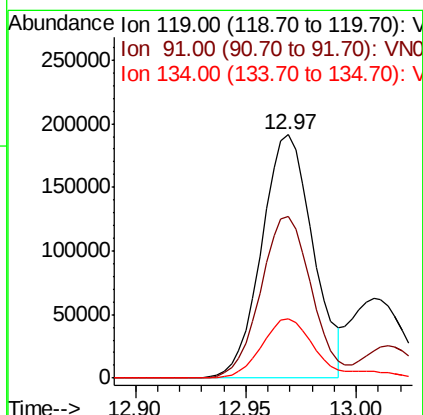
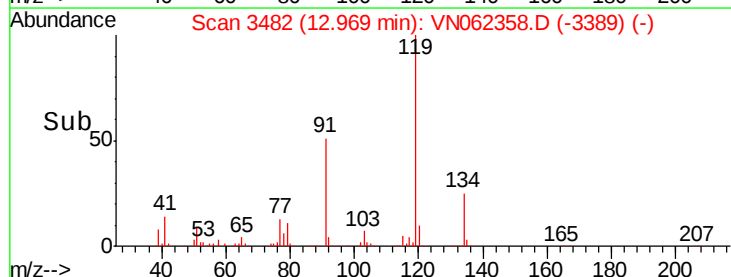
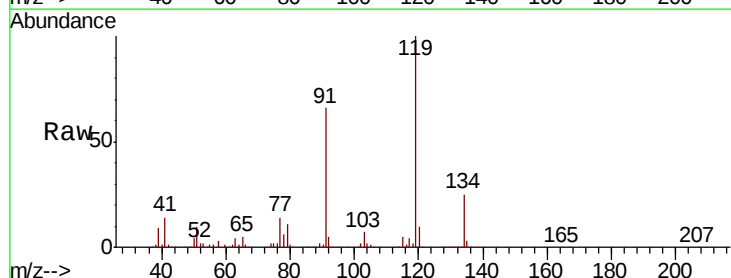
Tgt Ion: 119 Resp: 308691

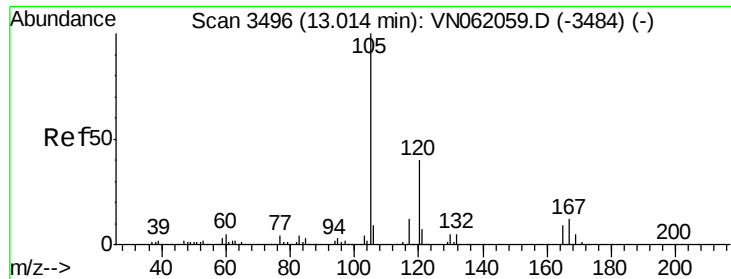
Ion Ratio Lower Upper

119 100

91 65.7 31.7 95.1

134 24.6 13.1 39.1





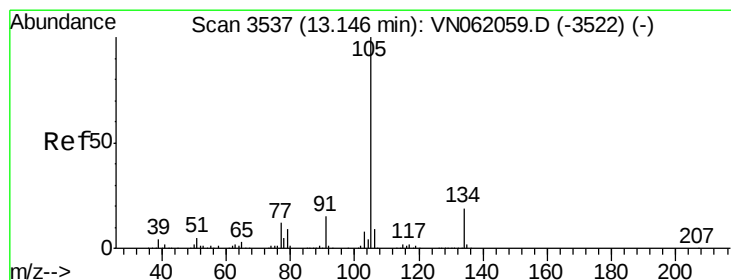
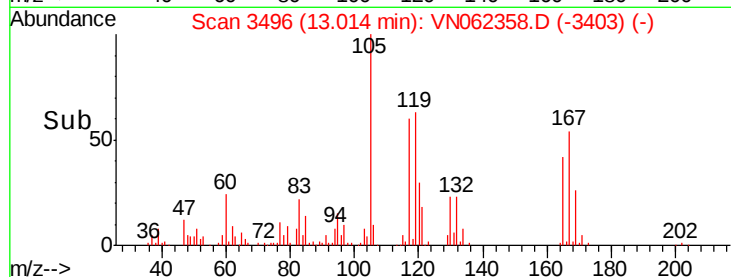
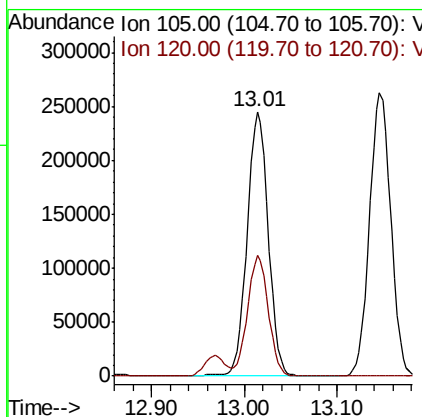
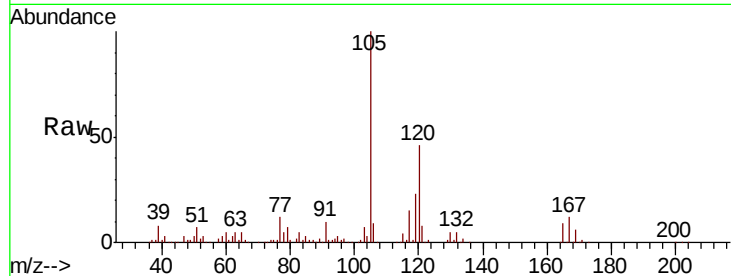
#84
 1,2,4-Trimethylbenzene
 Concen: 52.079 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.2	69.5

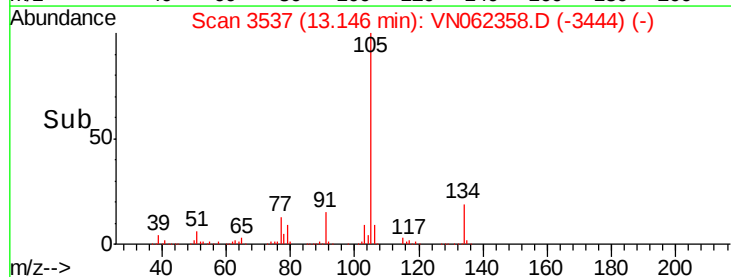
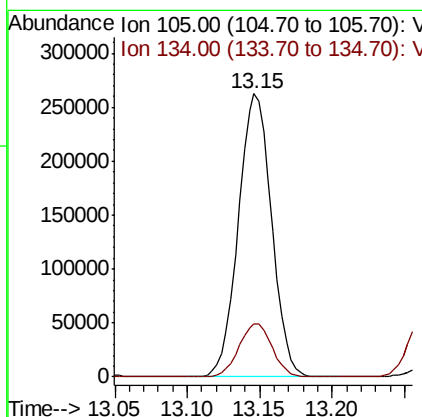
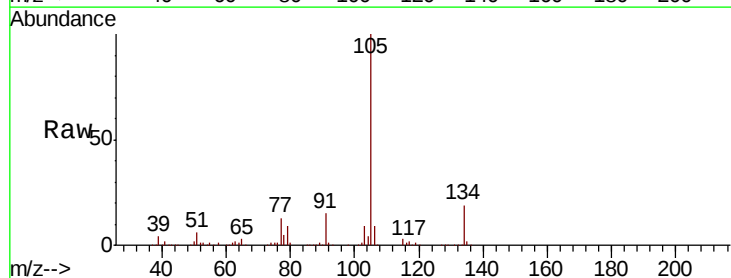
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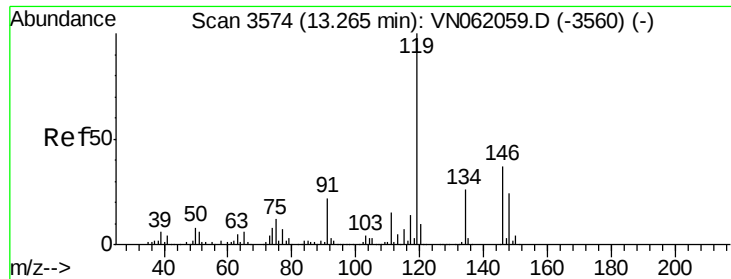
sam
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#85
 sec-Butylbenzene
 Concen: 49.412 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1





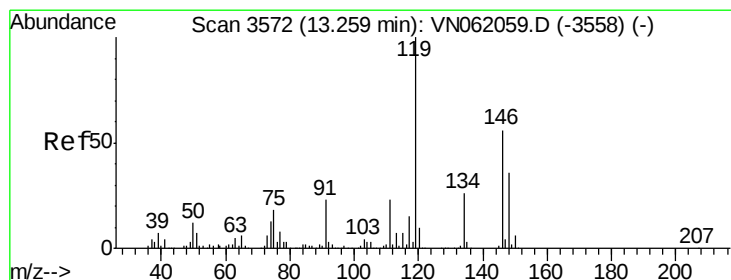
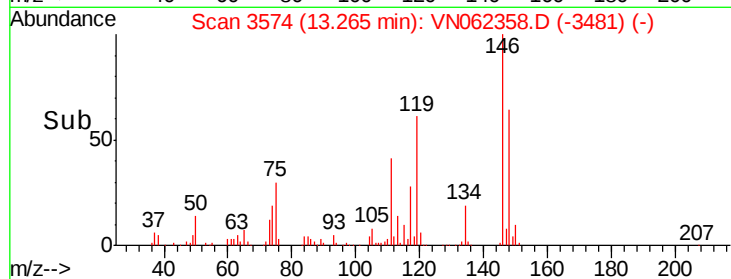
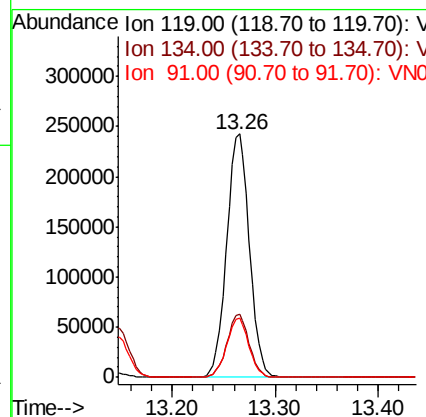
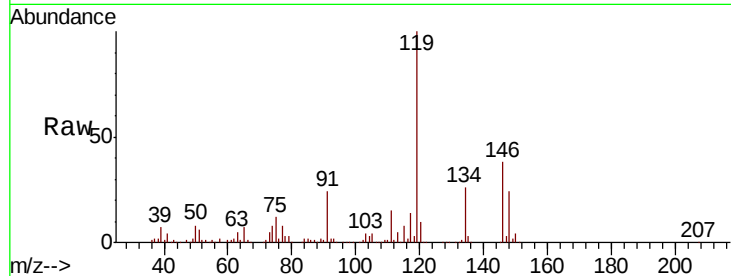
#86
 p-Isopropyltoluene
 Concen: 50.368 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	371438		
134	25.2	13.0	39.0	
91	23.5	11.3	33.8	

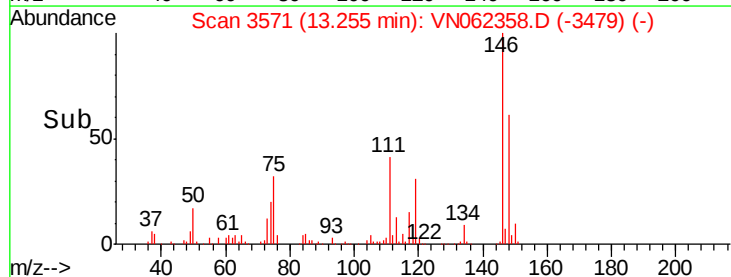
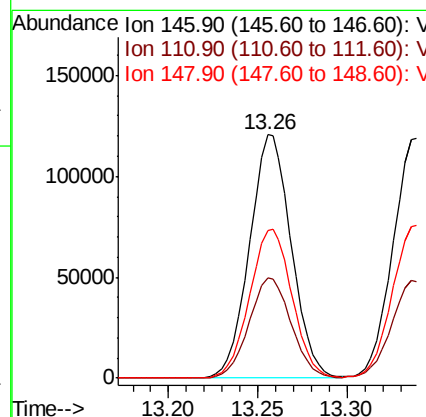
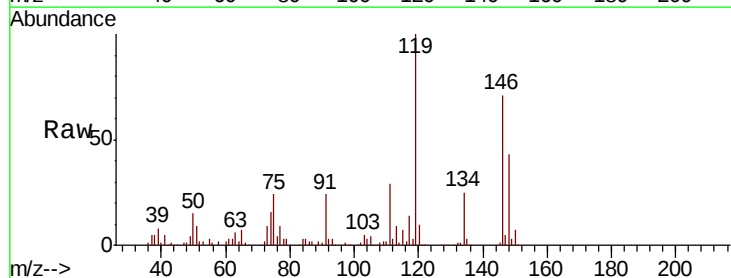
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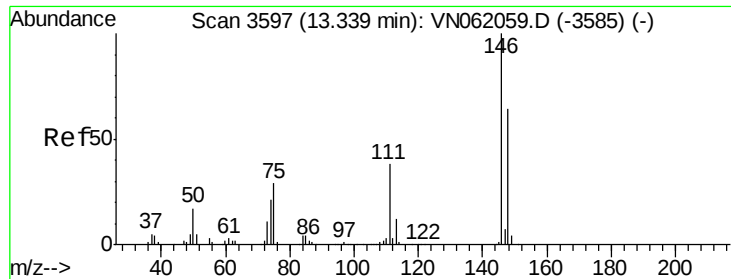
sam
 7/6/2020 11:34:36 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197371		
111	41.7	20.3	61.0	
148	62.3	31.8	95.3	





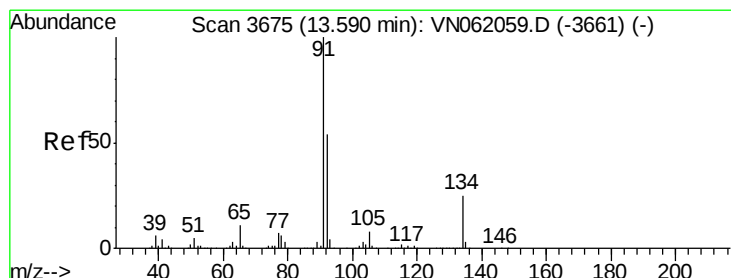
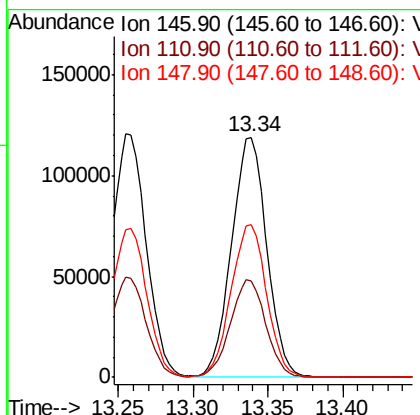
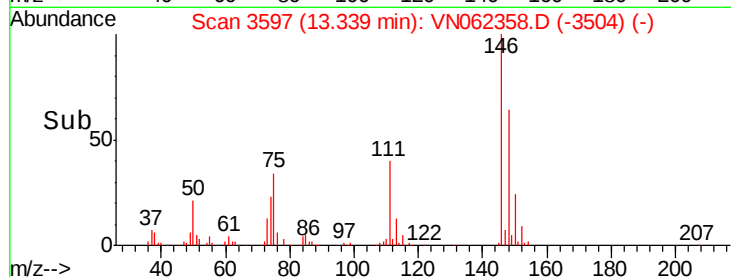
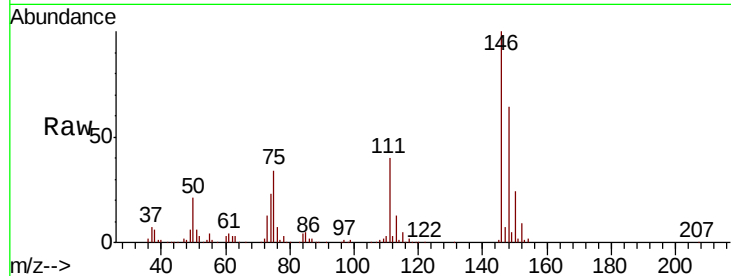
#88
 1,4-Dichlorobenzene
 Concen: 47.203 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.6
148	64.7	31.9	95.9

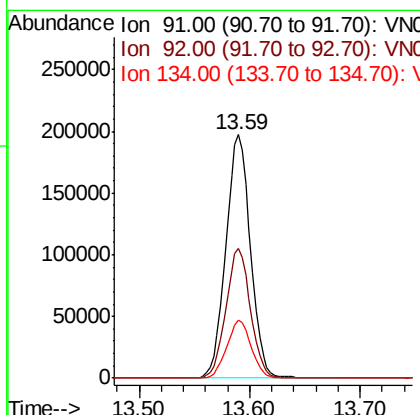
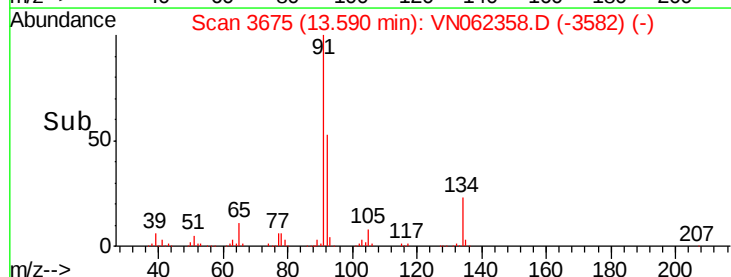
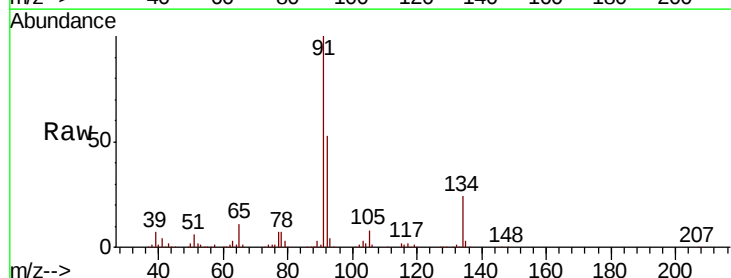
Manual Integrations
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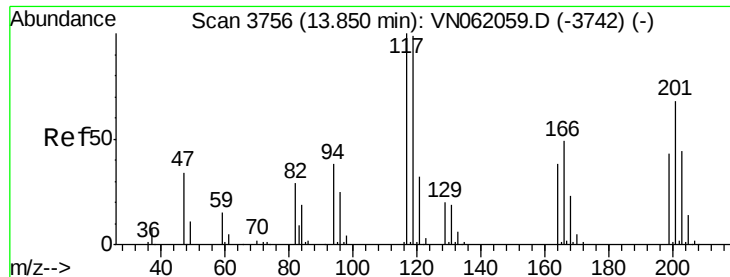
sam
 7/6/2020 11:34:36 AM



#89
 n-Butylbenzene
 Concen: 49.760 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	23.6	12.3	36.9





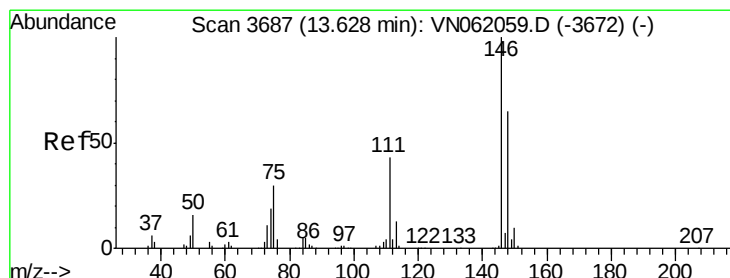
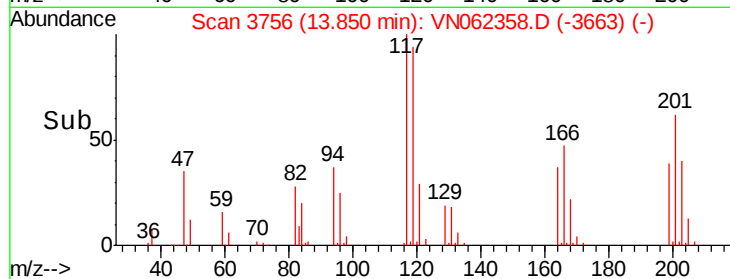
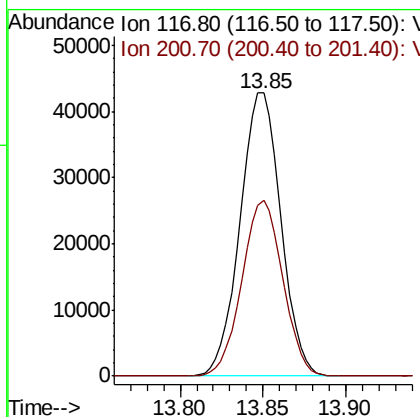
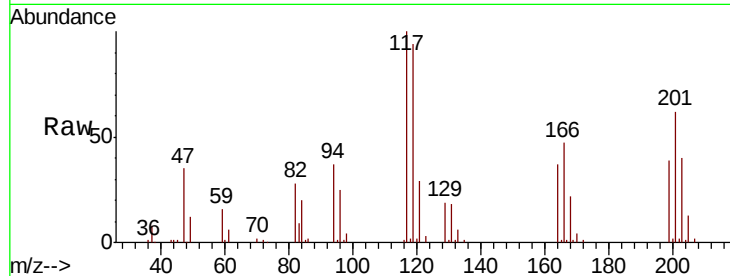
#90
Hexachloroethane
Concen: 50.733 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625MS

Tot Ion:117 Resp: 73403
Ion Ratio Lower Upper
117 100
201 61.9 32.7 98.1

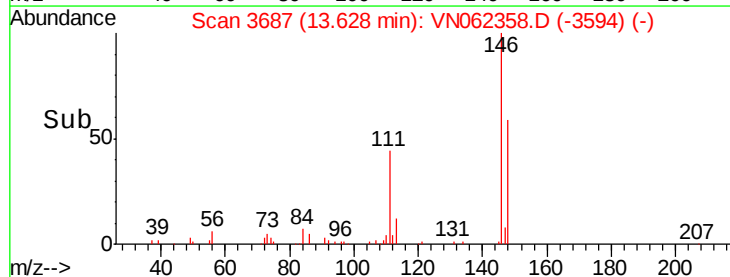
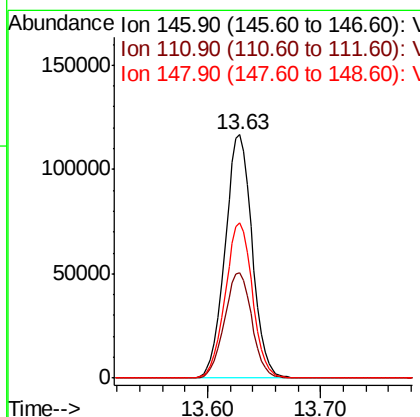
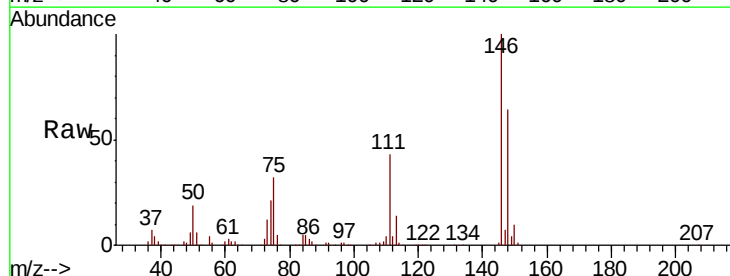
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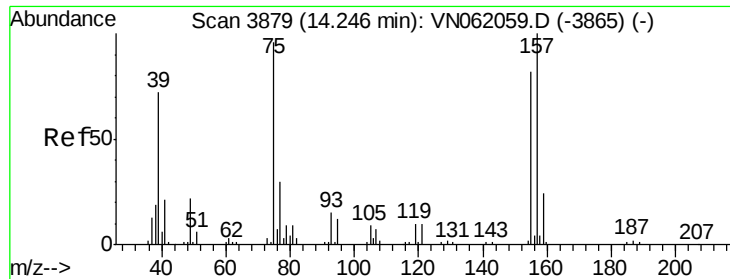
sam
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#91
1,2-Dichlorobenzene
Concen: 49.944 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN062358.D
Acq: 3 Jul 2020 1:21

Tgt Ion:146 Resp: 193865
Ion Ratio Lower Upper
146 100
111 43.8 21.2 63.6
148 64.1 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.002 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

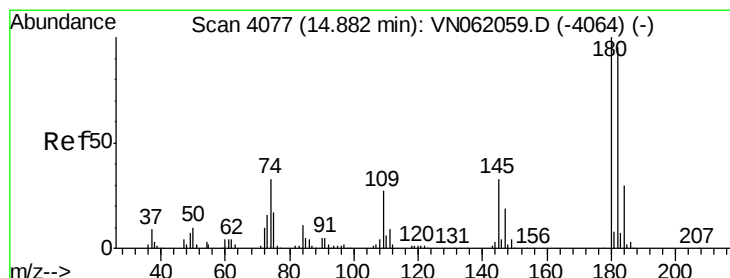
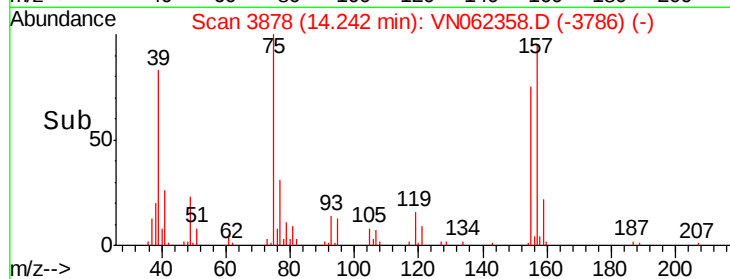
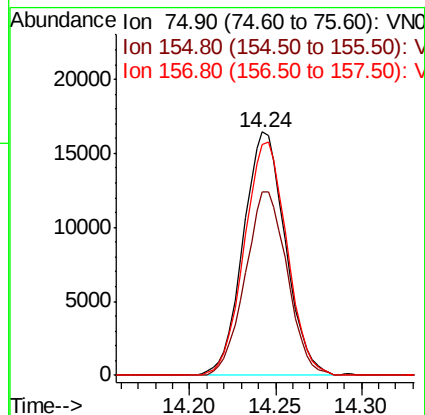
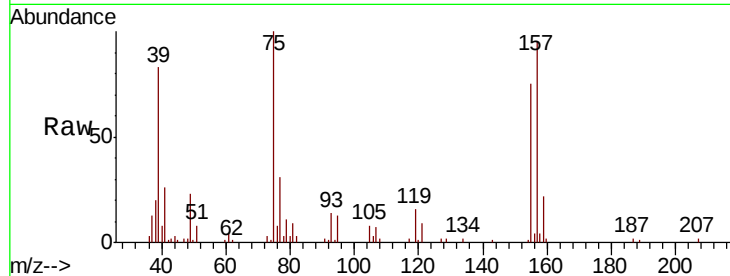
ClientSampleId :

33BR-20200625MS

Tot Ion:	75	Resp:	27901
Ion Ratio	Lower	Upper	
75	100		
155	75.0	40.8	122.4
157	96.8	51.4	154.3

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.096 ug/l

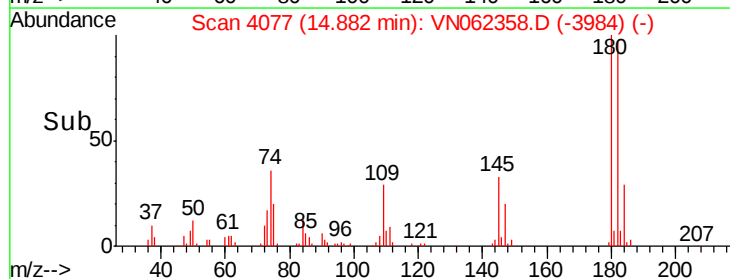
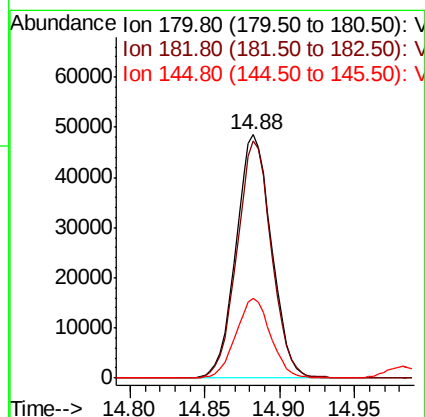
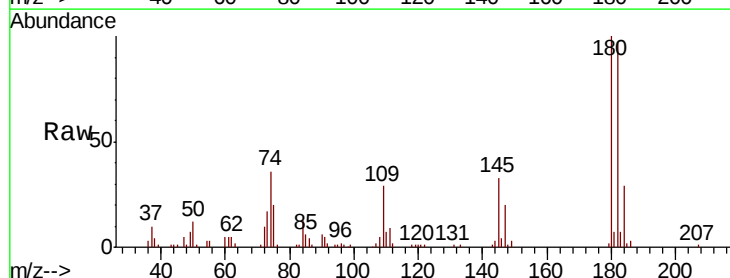
RT: 14.88 min Scan# 4077

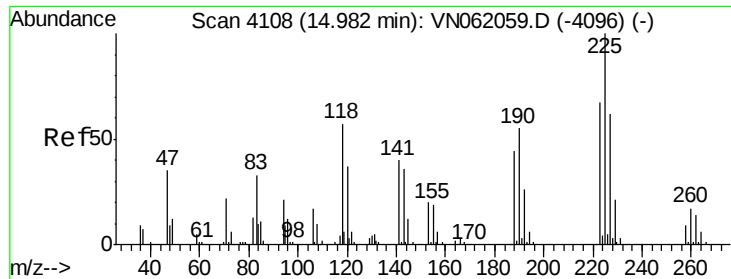
Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion:	180	Resp:	79861
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.0	144.2
145	32.1	16.0	48.0





#94

Hexachlorobutadiene

Concen: 43.854 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Instrument :

MSVOA_N

ClientSampleId :

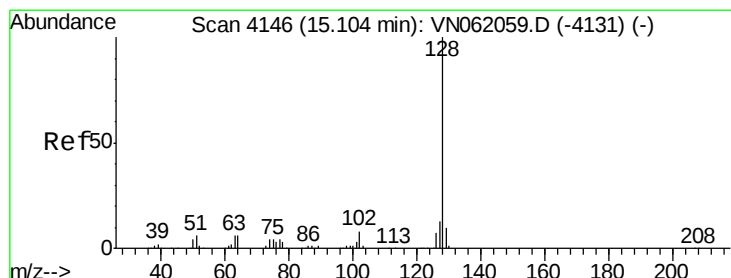
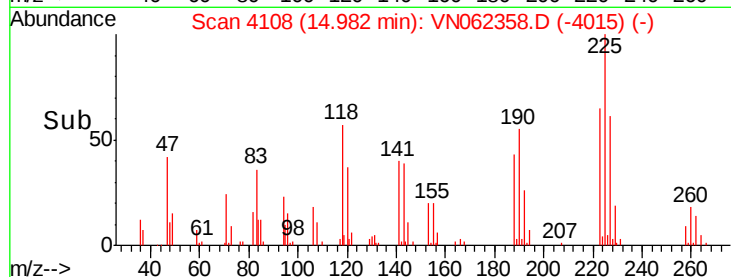
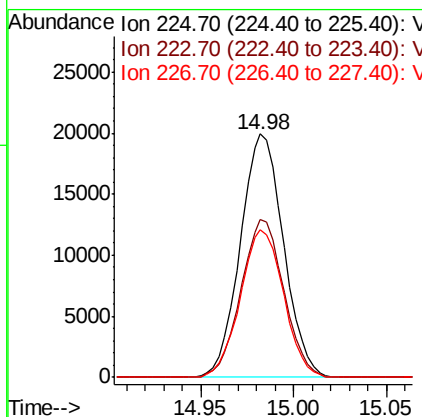
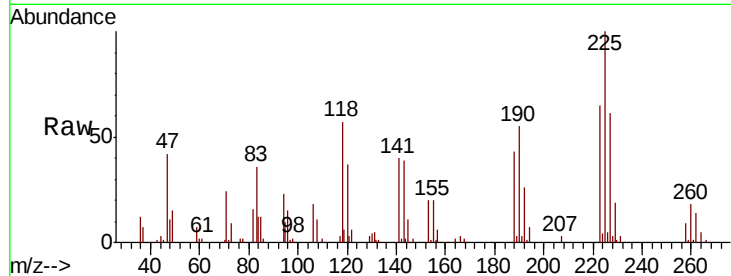
33BR-20200625MS

Tot Ion:	225	Resp:	32298
Ion Ratio	Lower	Upper	
225	100		
223	64.3	32.9	98.7
227	60.7	31.3	93.8

Manual Integrations
APPROVED

sam

7/6/2020 11:34:36 AM



#95

Naphthalene

Concen: 43.934 ug/l

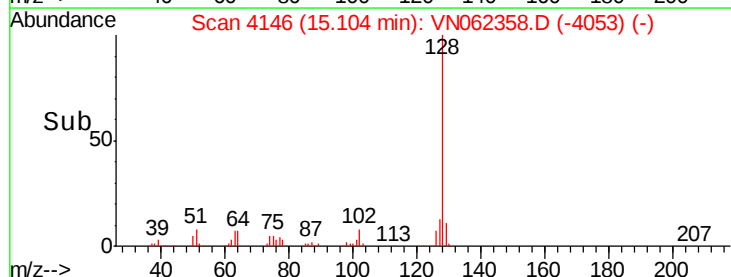
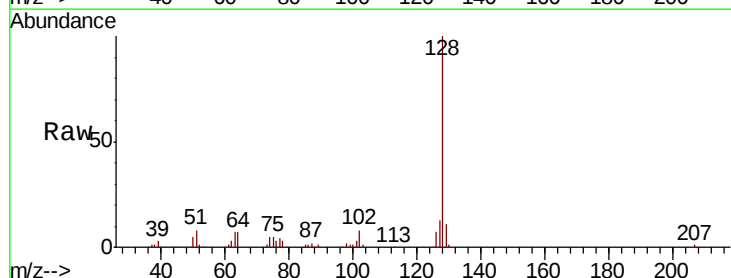
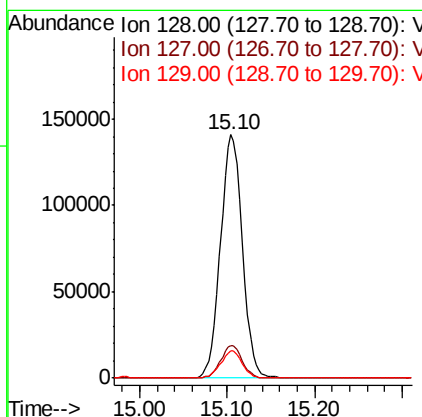
RT: 15.10 min Scan# 4146

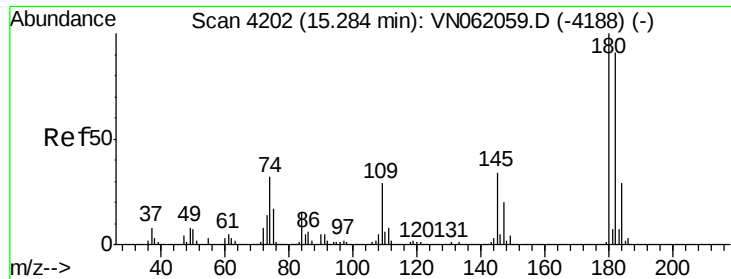
Delta R.T. 0.00 min

Lab File: VN062358.D

Acq: 3 Jul 2020 1:21

Tgt Ion:	128	Resp:	245416
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0





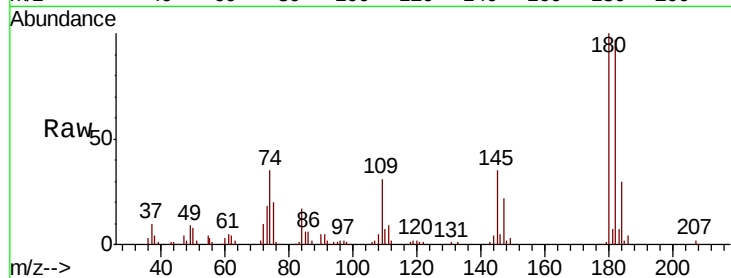
#96
 1,2,3-Trichlorobenzene
 Concen: 48.031 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062358.D
 Acq: 3 Jul 2020 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.4
145	33.9	16.4	49.2

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:36 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

