

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016551.D
 Acq On : 05 Jun 2020 21:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:14:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	399285	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	390865	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	198815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113723	40.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.42%
7) Chloroethane-d5	1.57	69	91315	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.46%
11) 1,1-Dichloroethene-d2	2.12	63	210929	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.14%
21) 2-Butanone-d5	3.89	46	216657	119.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.81%
24) Chloroform-d	4.37	84	269285	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
26) 1,2-Dichloroethane-d4	5.05	65	184140	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
32) Benzene-d6	5.07	84	516836	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.09	67	164555	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.34	98	467579	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.64	79	82608	51.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.92%
47) 2-Hexanone-d5	8.10	63	171098	122.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	226523	51.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	200350	53.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	126050	38.262	ug/L 98
3) Chloromethane	1.25	50	151677	47.785	ug/L 100
5) Vinyl chloride	1.32	62	129537	42.237	ug/L 99
6) Bromomethane	1.52	94	73233	45.901	ug/L 99
8) Chloroethane	1.59	64	76845	44.710	ug/L 97
9) Trichlorofluoromethane	1.76	101	178828	40.377	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88439	38.392	ug/L 100
12) 1,1-Dichloroethene	2.13	96	92663	41.801	ug/L 92
13) Acetone	2.17	43	119394	70.644	ug/L 99
14) Carbon disulfide	2.31	76	333832	43.498	ug/L 99
15) Methyl Acetate	2.44	43	160176	51.564	ug/L 99
16) Methylene chloride	2.52	84	142189	45.498	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	127940	45.742	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	457418	52.825	ug/L 99
19) 1,1-Dichloroethane	3.21	63	249564	48.245	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	143029	47.384	ug/L 97
22) 2-Butanone	3.98	43	214997	102.515	ug/L 99

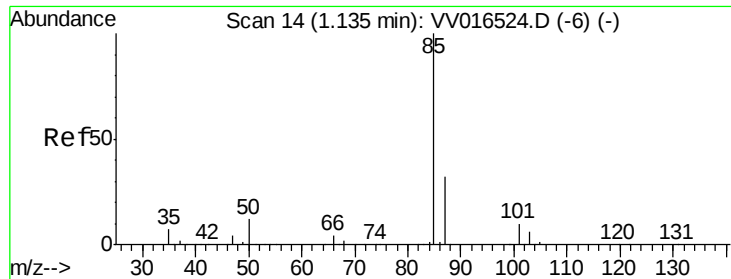
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	77326	49.783	ug/L	95
25) Chloroform	4.40	83	254824	47.000	ug/L	99
27) 1,2-Dichloroethane	5.15	62	214725	48.741	ug/L	99
29) Cyclohexane	4.70	56	200106	43.135	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	220283	46.244	ug/L	98
31) Carbon tetrachloride	4.85	117	178167	43.490	ug/L	98
33) Benzene	5.12	78	563596	49.028	ug/L	100
34) Trichloroethene	5.94	95	136856	45.372	ug/L	96
35) Methylcyclohexane	6.15	83	190511	44.002	ug/L	99
37) 1,2-Dichloropropane	6.20	63	144937	48.373	ug/L	99
38) Bromodichloromethane	6.53	83	186489	48.441	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	216880	49.644	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	439107	106.509	ug/L	99
42) Toluene	7.41	91	581677	47.753	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	215567	50.292	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	141134	48.714	ug/L	99
46) Tetrachloroethene	8.00	164	108267	46.554	ug/L	98
48) 2-Hexanone	8.16	43	335139	104.563	ug/L	98
49) Dibromochloromethane	8.27	129	141144	50.112	ug/L	99
50) 1,2-Dibromoethane	8.37	107	147189	48.027	ug/L	99
51) Chlorobenzene	8.90	112	372526	46.532	ug/L	99
52) Ethylbenzene	9.03	91	640292	48.297	ug/L	100
53) m,p-Xylene	9.16	106	239100	47.830	ug/L	96
54) o-xylene	9.56	106	238561	49.275	ug/L	98
55) Styrene	9.58	104	411519	48.520	ug/L	99
56) Isopropylbenzene	9.95	105	628115	49.947	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	222729	47.924	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	182528	48.819	ug/L	98
61) Bromoform	9.75	173	92699	55.684	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	296550	48.142	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	298278	46.669	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	303691	48.981	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	49135	52.220	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	214919	51.860	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	199052	51.881	ug/L	98
69) Naphthalene	13.53	128	632472	53.707	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	199737	54.765	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 38.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

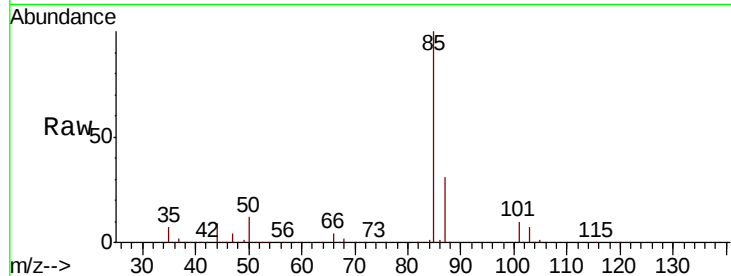
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 126050

Ion Ratio Lower Upper

85 100

87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

150000

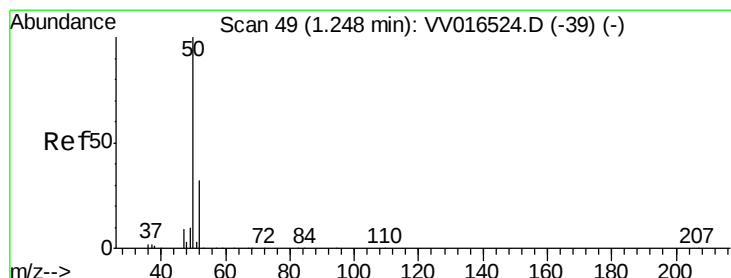
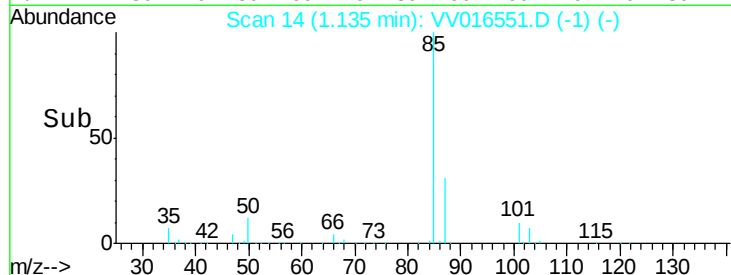
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 47.785 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016551.D

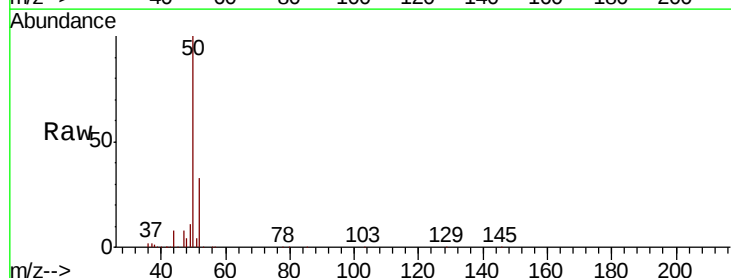
Acq: 05 Jun 2020 21:41

Tgt Ion: 50 Resp: 151677

Ion Ratio Lower Upper

50 100

52 33.4 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

150000

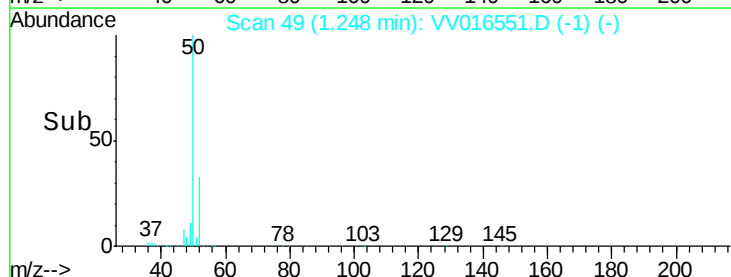
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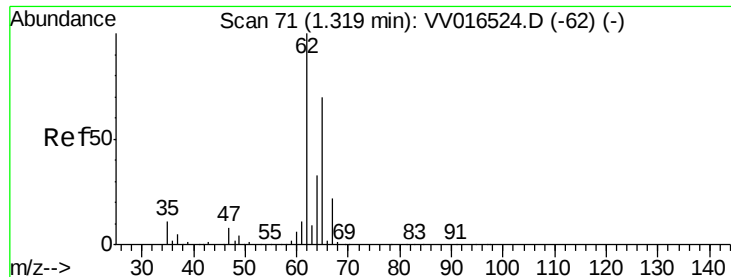
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 42.237 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

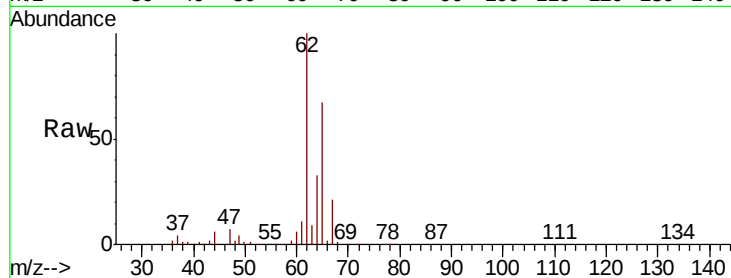
ClientSampled :

Tot Ion: 62 Resp: 129537

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

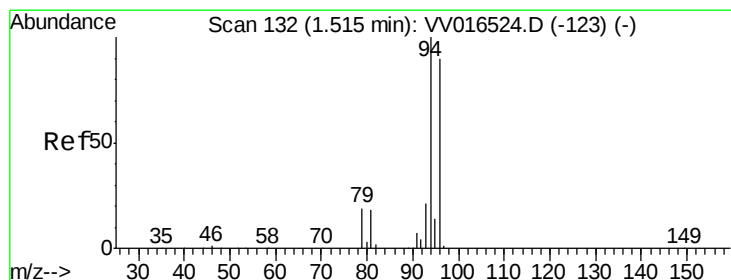
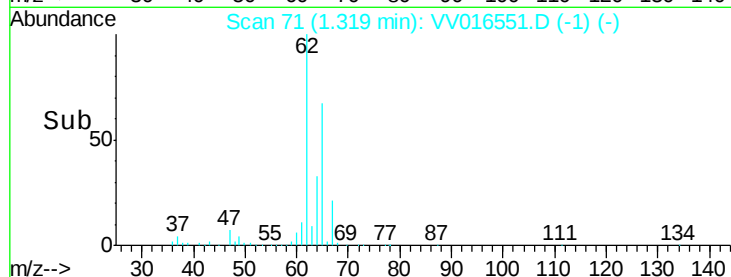
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 45.901 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV016551.D

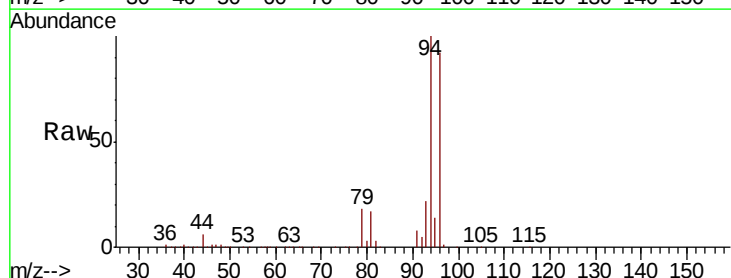
Acq: 05 Jun 2020 21:41

Tgt Ion: 94 Resp: 73233

Ion Ratio Lower Upper

94 100

96 92.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

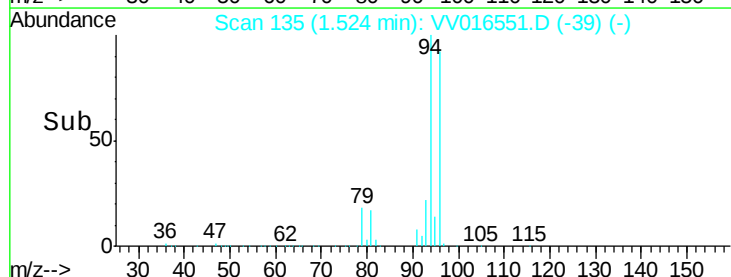
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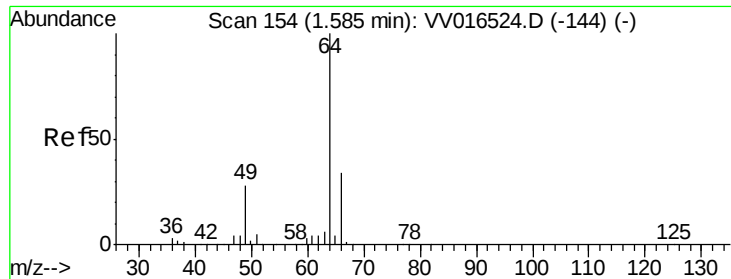
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Time-->

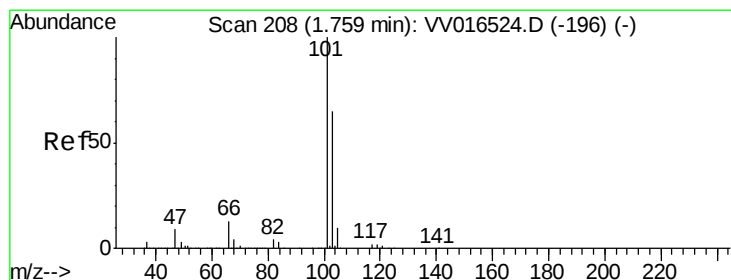
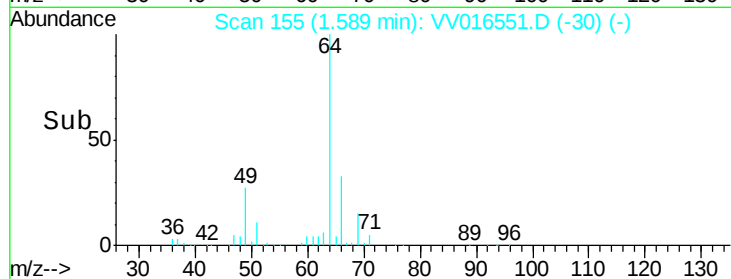
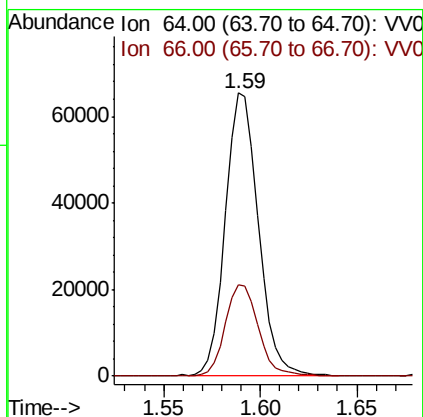
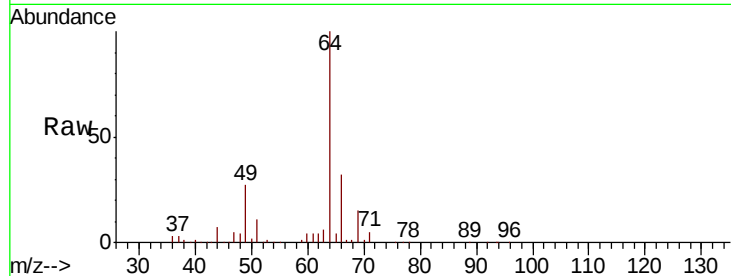




#8
Chloroethane
Concen: 44.710 ug/L
RT: 1.59 min Scan# 155
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

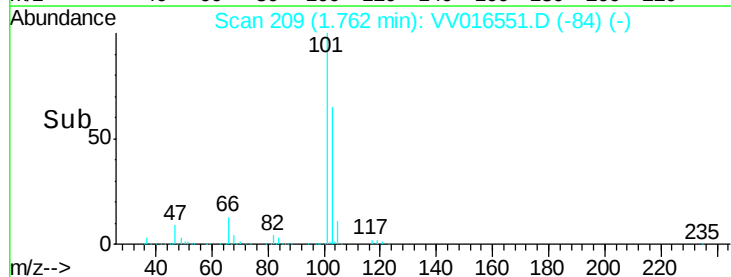
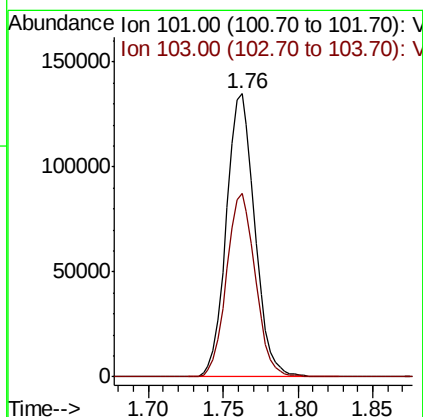
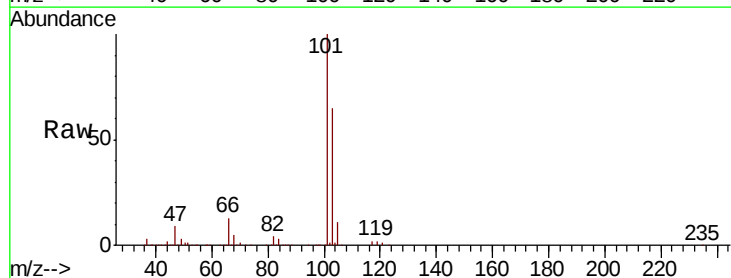
Instrument :
MSVOA_V
ClientSampleId :

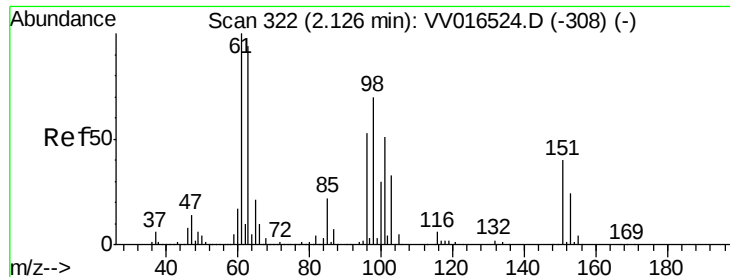
Tot Ion: 64 Resp: 76845
Ion Ratio Lower Upper
64 100
66 32.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 40.377 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion:101 Resp: 178828
Ion Ratio Lower Upper
101 100
103 65.8 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 38.392 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

ClientSampleId :

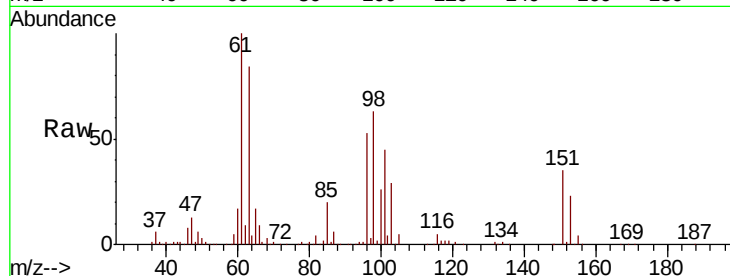
Tot Ion:101 Resp: 88439

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

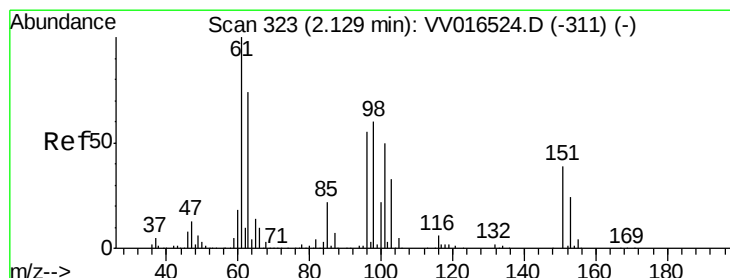
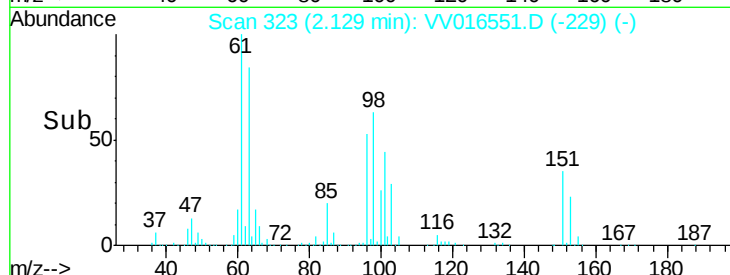
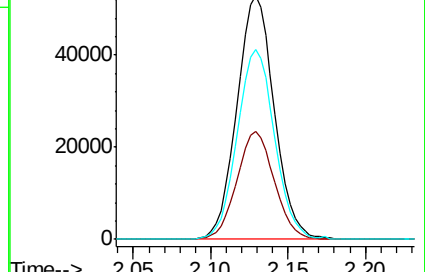
151 77.7 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016551.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016551.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016551.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 41.801 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

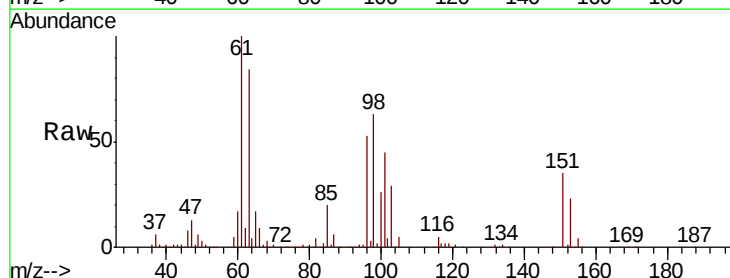
Tgt Ion: 96 Resp: 92663

Ion Ratio Lower Upper

96 100

61 189.3 125.5 233.1

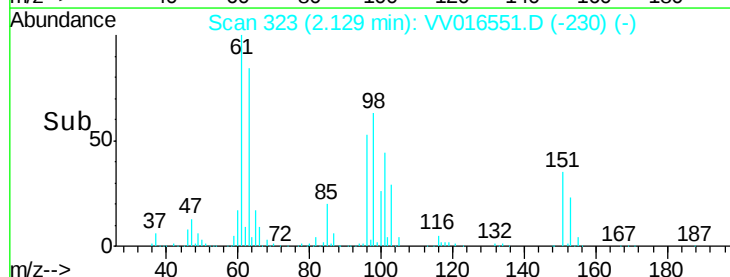
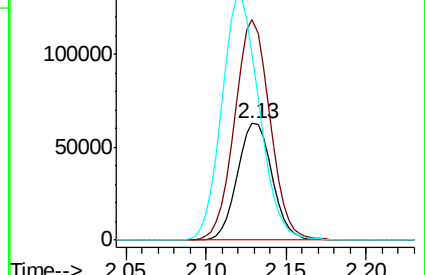
63 159.2 104.0 193.1

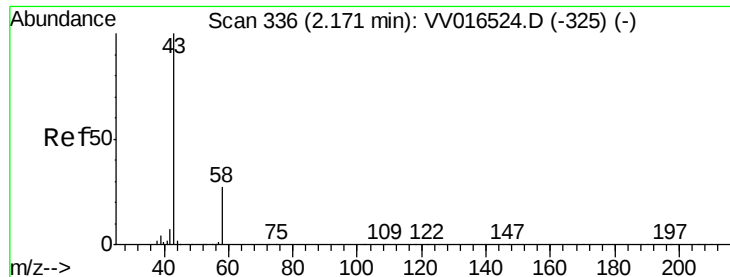


Abundance Ion 96.00 (95.70 to 96.70): VV016551.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016551.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016551.D (-230) (-)





#13

Acetone

Concen: 70.644 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

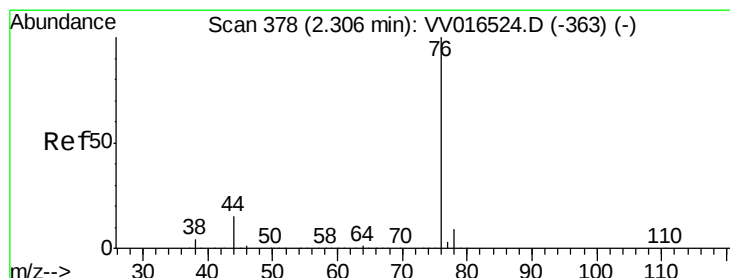
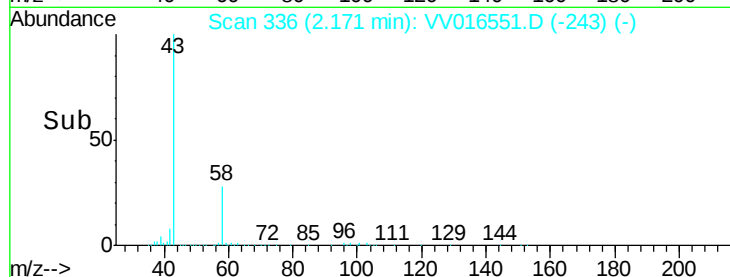
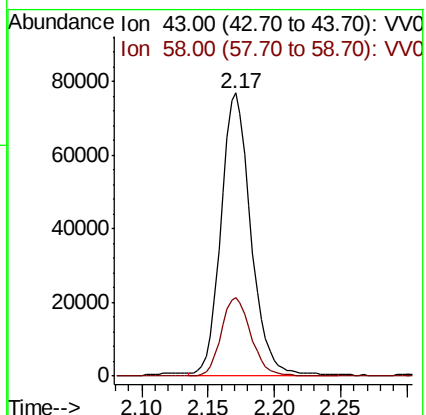
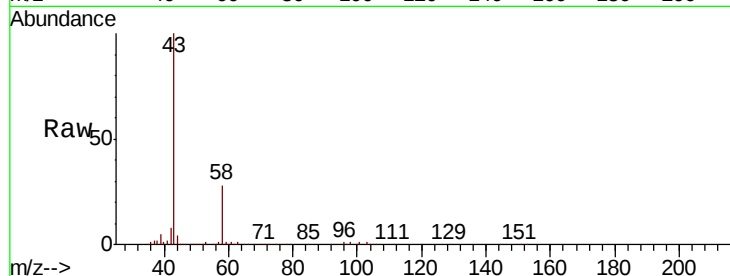
ClientSampleId :

Tot Ion: 43 Resp: 119394

Ion Ratio Lower Upper

43 100

58 27.9 0.0 57.2



#14

Carbon disulfide

Concen: 43.498 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016551.D

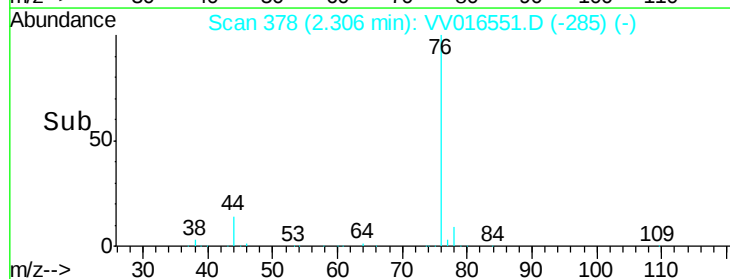
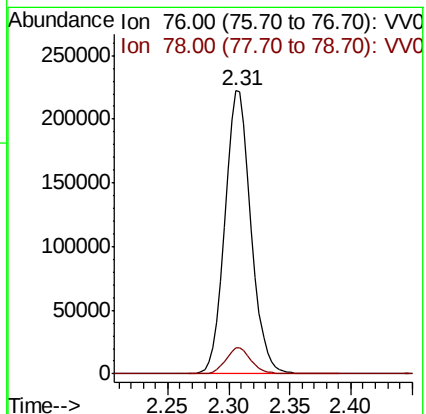
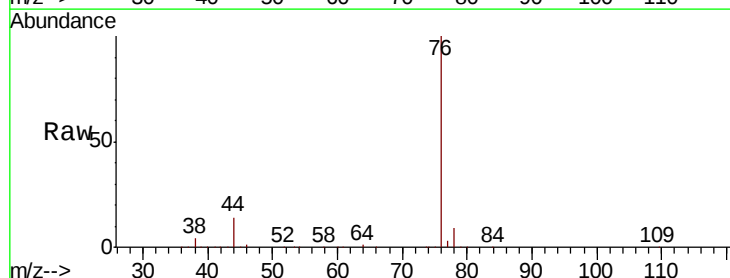
Acq: 05 Jun 2020 21:41

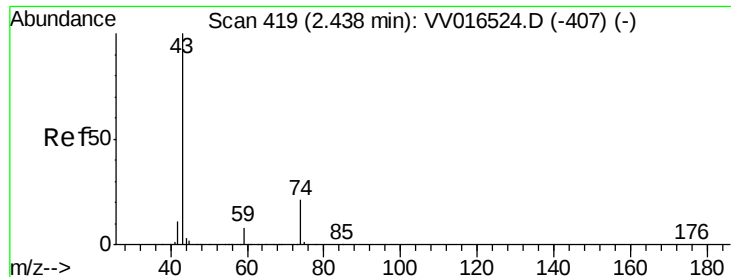
Tgt Ion: 76 Resp: 333832

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methvl Acetate

Concen: 51.564 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

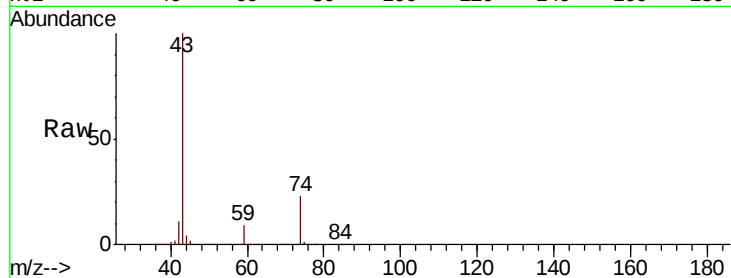
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 160176

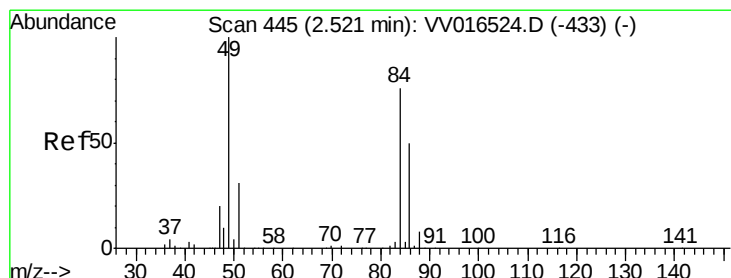
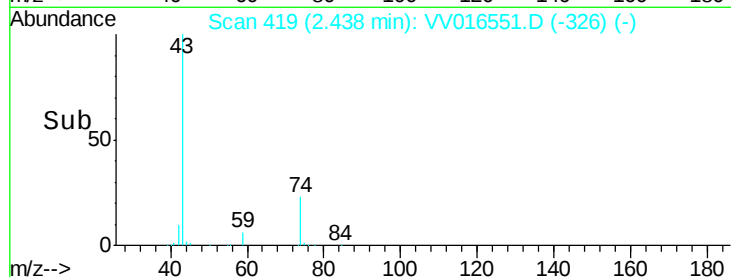
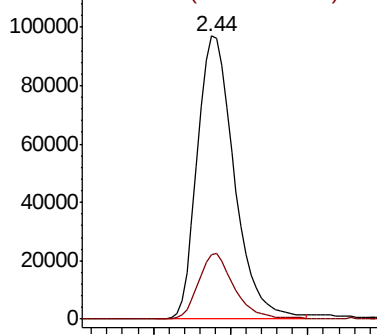
Ion Ratio Lower Upper

43 100

74 22.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 45.498 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

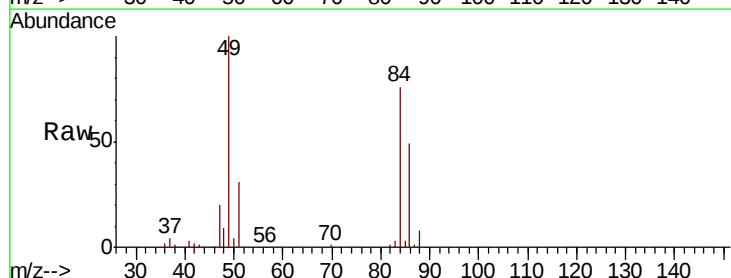
Tgt Ion: 84 Resp: 142189

Ion Ratio Lower Upper

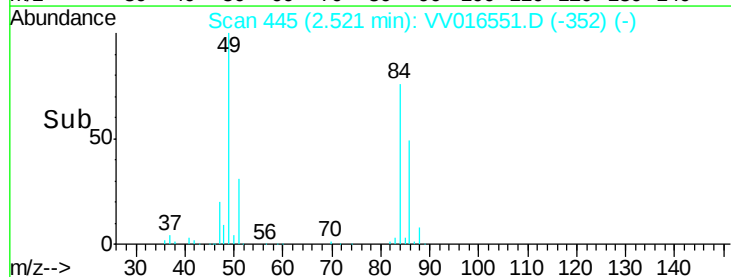
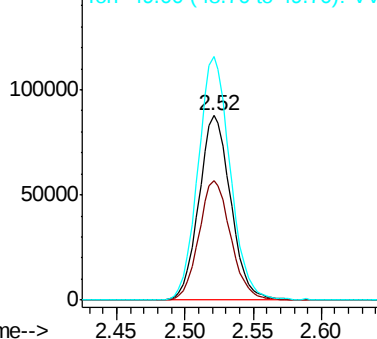
84 100

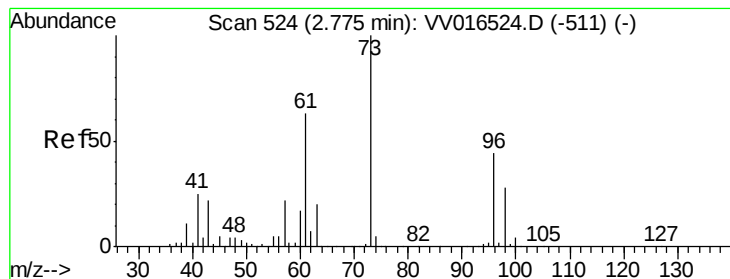
86 64.8 45.1 83.9

49 131.9 92.4 171.6



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.742 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :

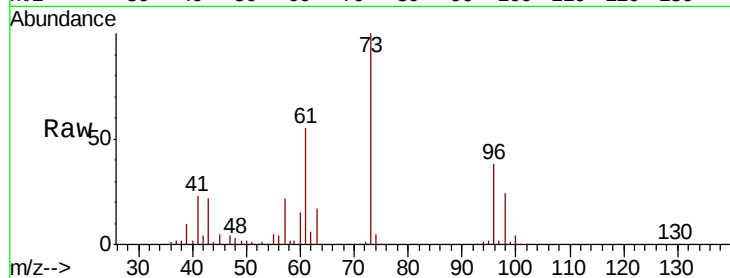
Tot Ion: 96 Resp: 127940

Ion Ratio Lower Upper

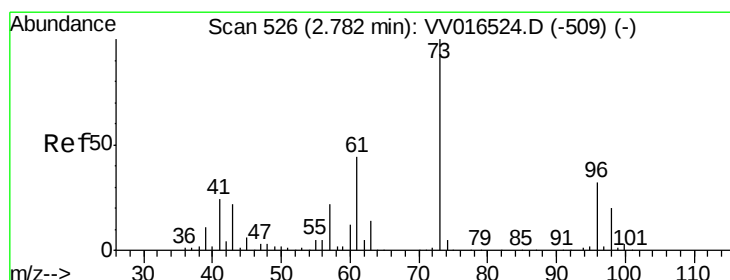
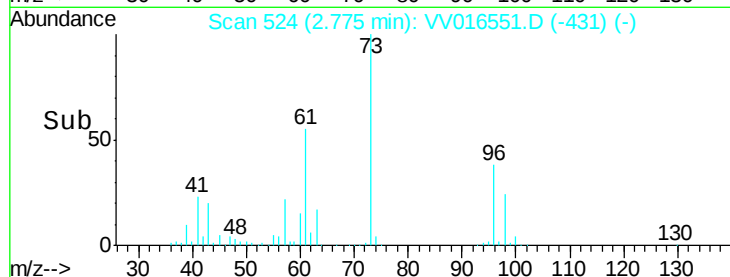
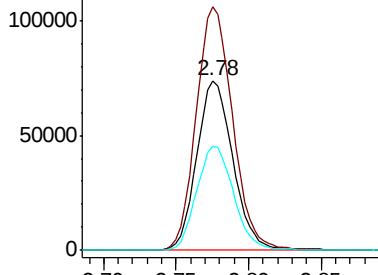
96 100

61 143.7 101.0 187.6

98 61.6 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.825 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

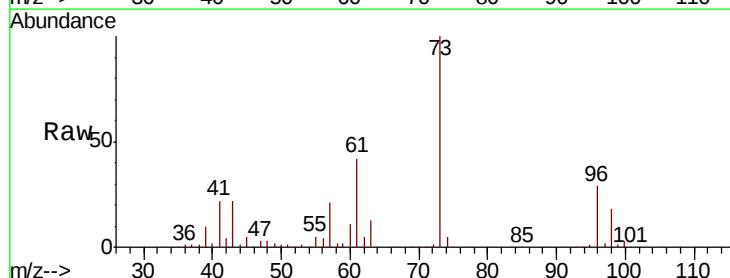
Tgt Ion: 73 Resp: 457418

Ion Ratio Lower Upper

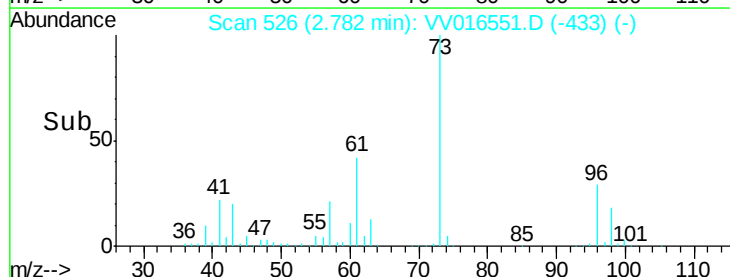
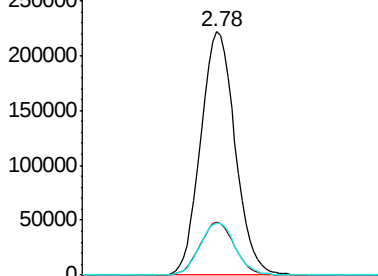
73 100

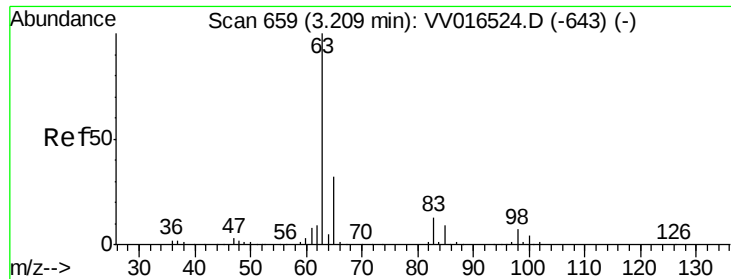
43 21.6 17.0 25.4

57 21.8 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

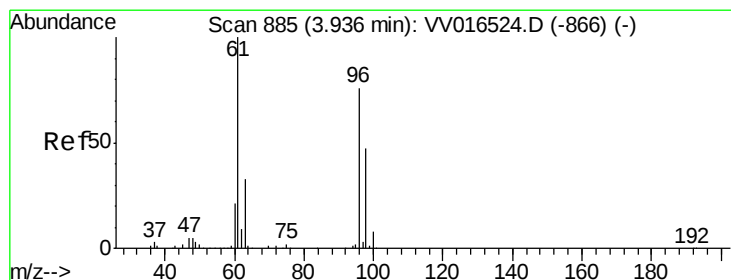
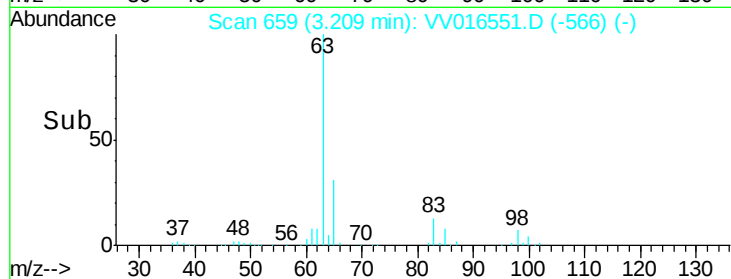
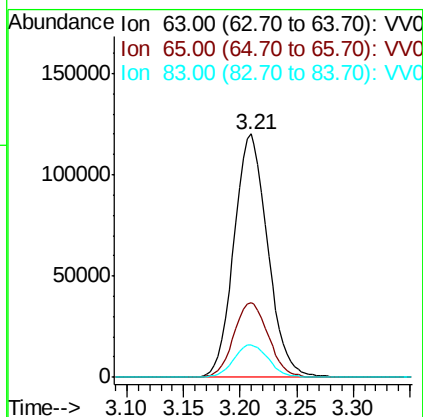
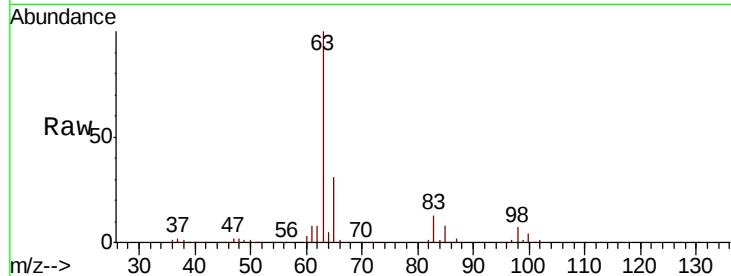




#19
 1,1-Dichloroethane
 Concen: 48.245 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

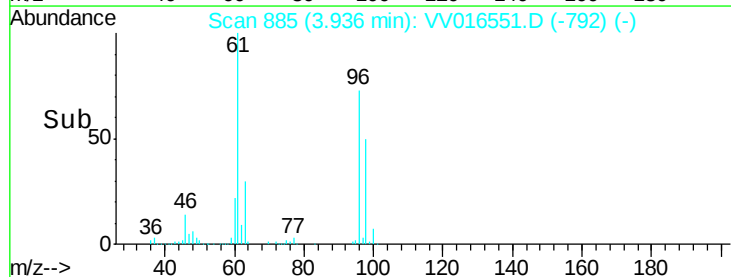
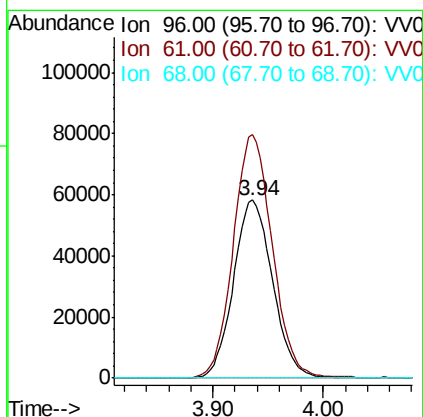
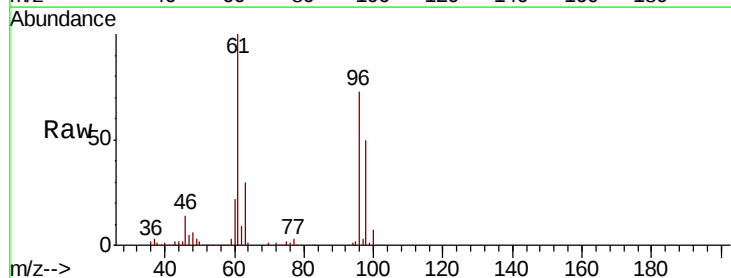
Instrument :
 MSVOA_V
 ClientSampleId :

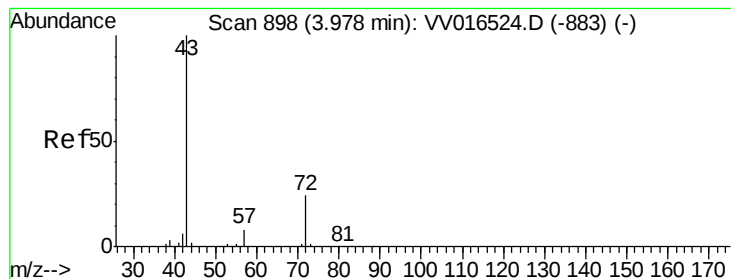
Tot Ion:	63	Resp:	249564
Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.2	41.2
83	13.3	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.384 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Tgt Ion:	96	Resp:	143029
Ion	Ratio	Lower	Upper
96	100		
61	136.8	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.515 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

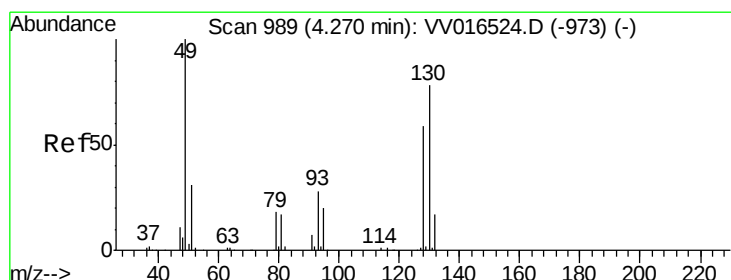
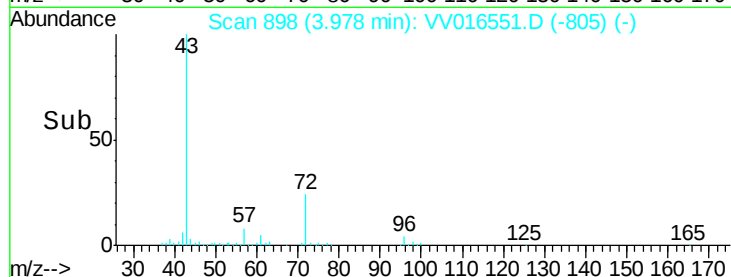
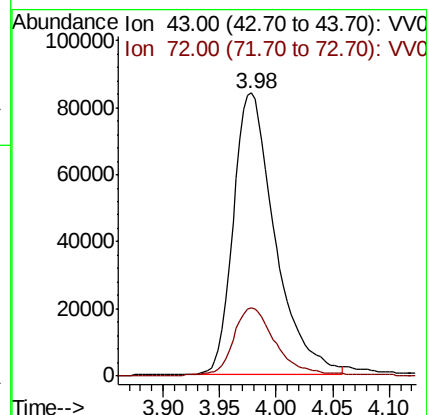
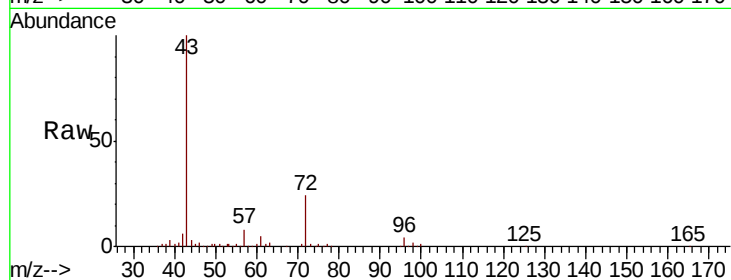
ClientSampled :

Tot Ion: 43 Resp: 214997

Ion Ratio Lower Upper

43 100

72 24.9 12.8 38.3



#23

Bromochloromethane

Concen: 49.783 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Tgt Ion: 128 Resp: 77326

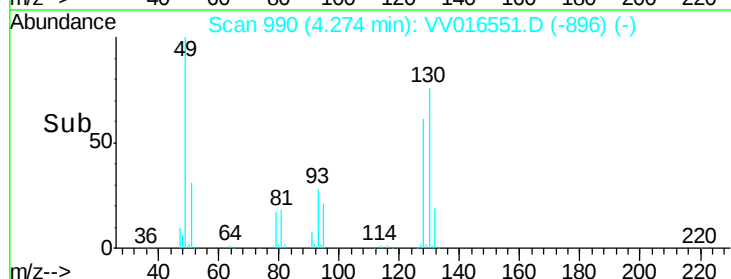
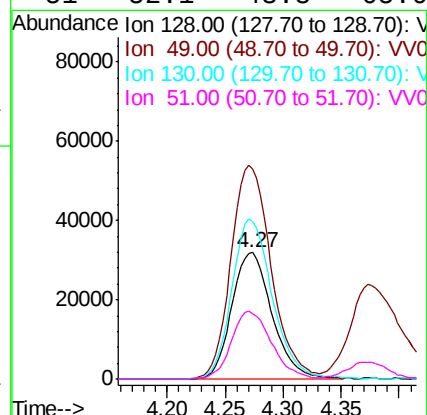
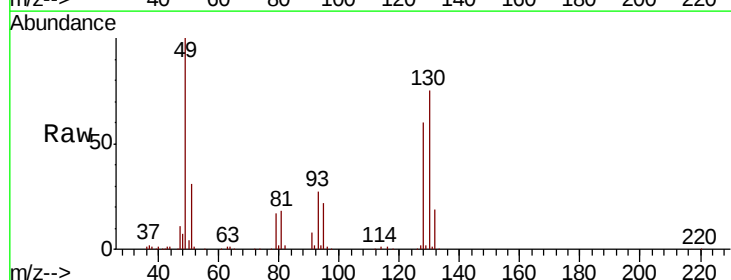
Ion Ratio Lower Upper

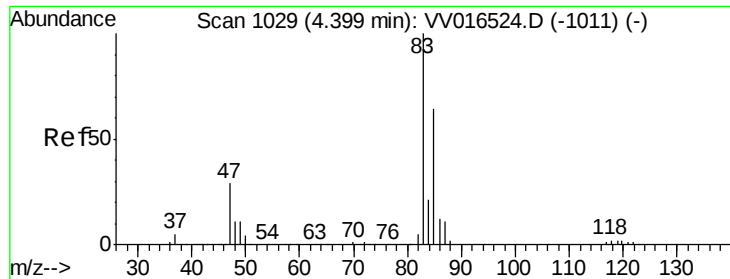
128 100

49 165.9 121.7 225.9

130 124.8 90.1 167.3

51 52.1 43.8 65.6

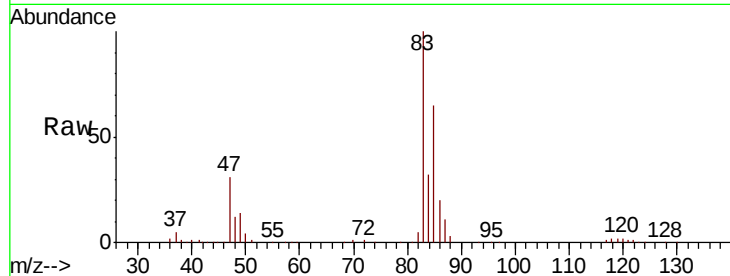




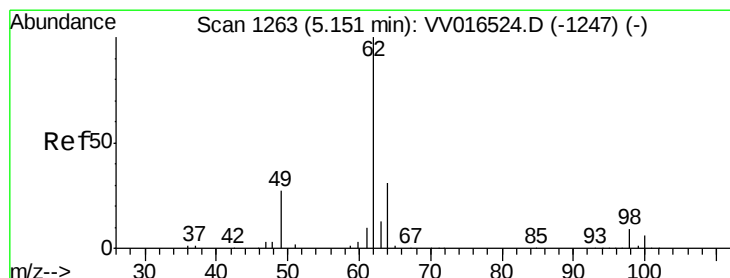
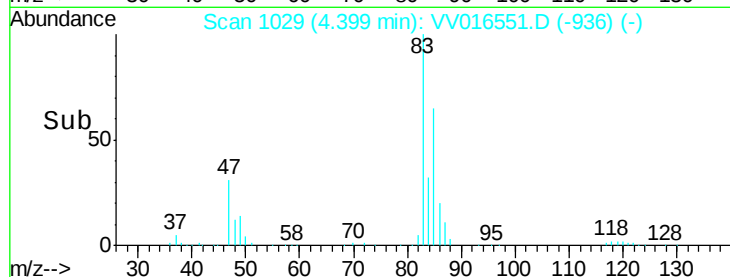
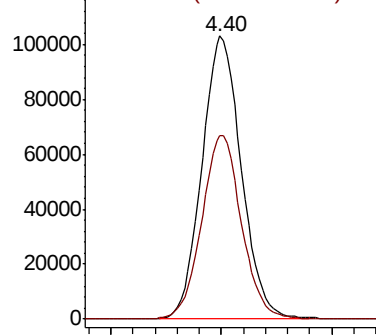
#25
Chloroform
Concen: 47.000 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 254824
Ion Ratio Lower Upper
83 100
85 64.9 46.1 85.7

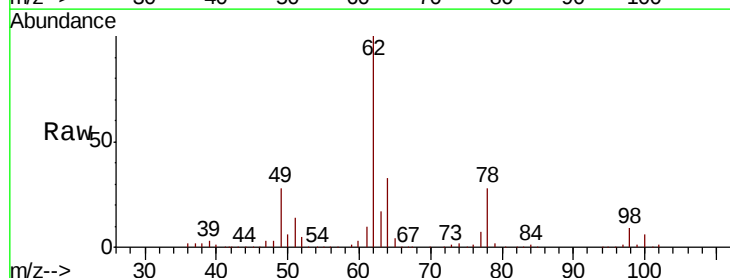


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

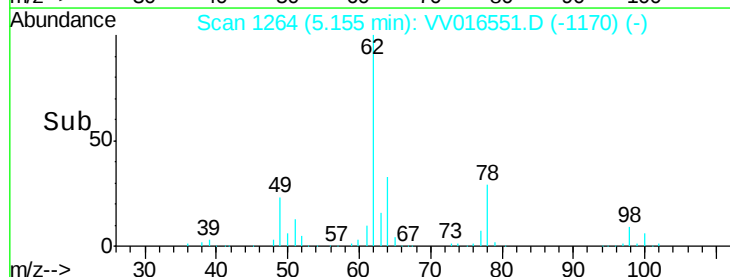
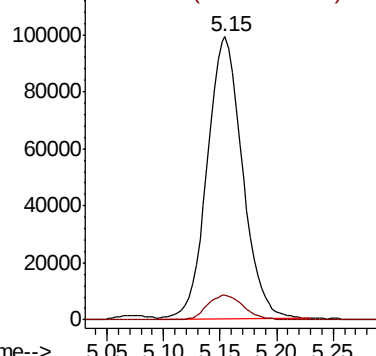


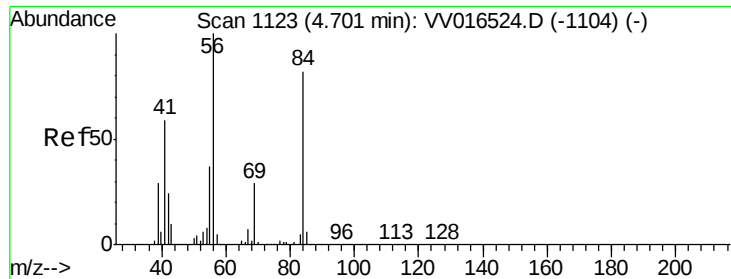
#27
1,2-Dichloroethane
Concen: 48.741 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion: 62 Resp: 214725
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

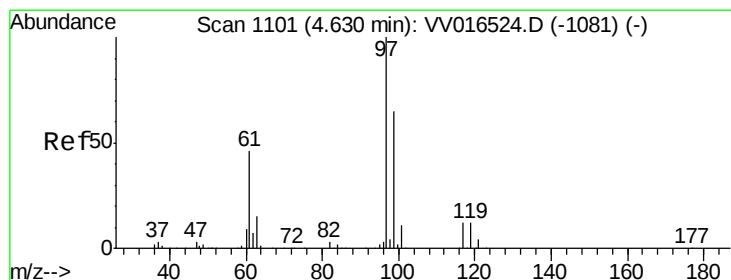
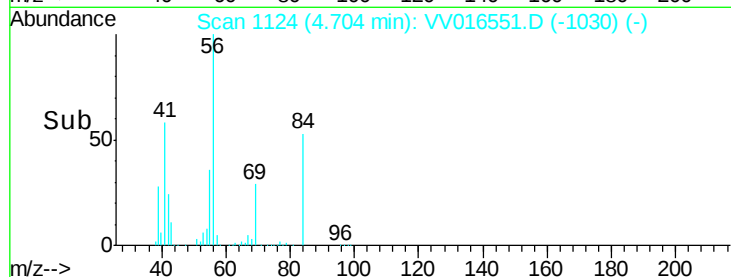
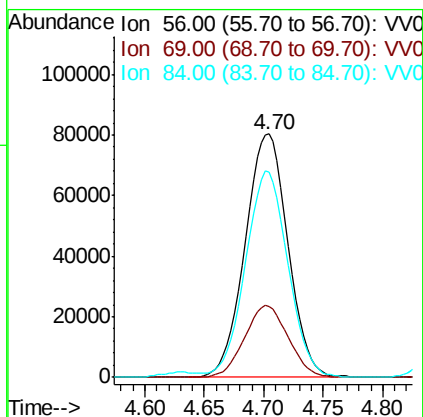
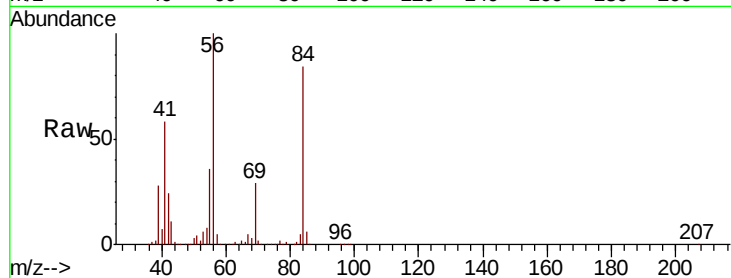




#29
Cyclohexane
Concen: 43.135 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

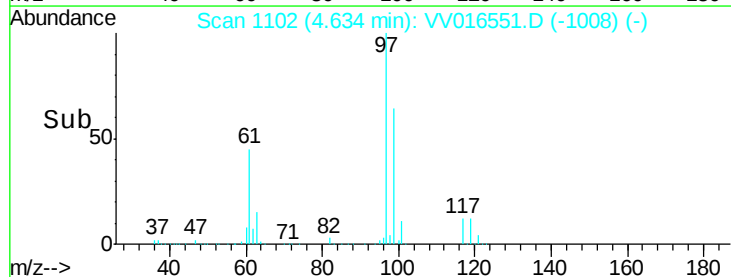
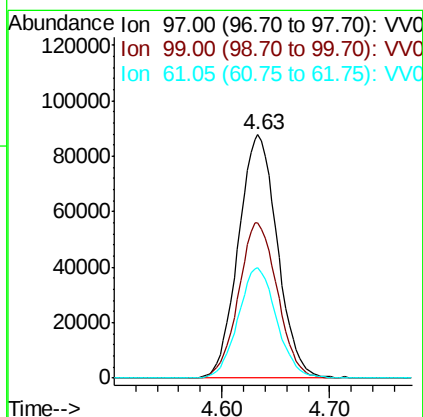
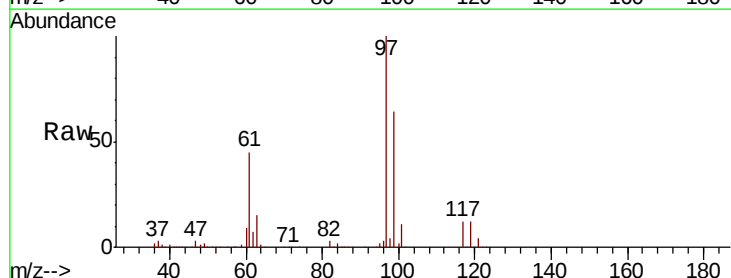
Instrument :
MSVOA_V
ClientSampleId :

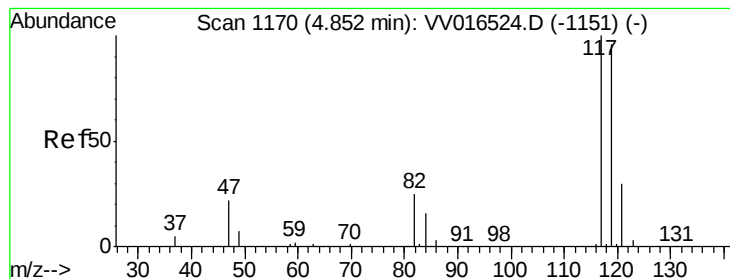
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.9	35.9
84	84.1	68.2	102.2



#30
1,1,1-Trichloroethane
Concen: 46.244 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	44.8	37.4	56.0





#31

Carbon tetrachloride

Concen: 43.490 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

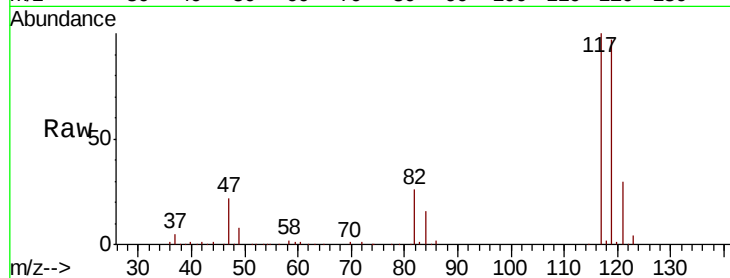
ClientSampleId :

Tot Ion:117 Resp: 178167

Ion Ratio Lower Upper

117 100

119 95.1 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

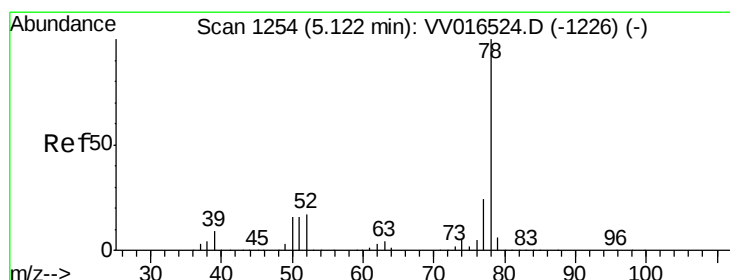
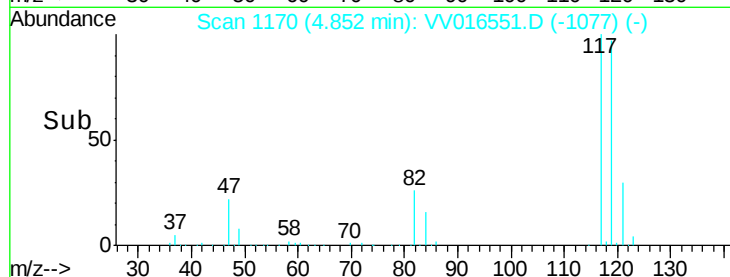
40000

20000

0

4.80 4.90

Time-->



#33

Benzene

Concen: 49.028 ug/L

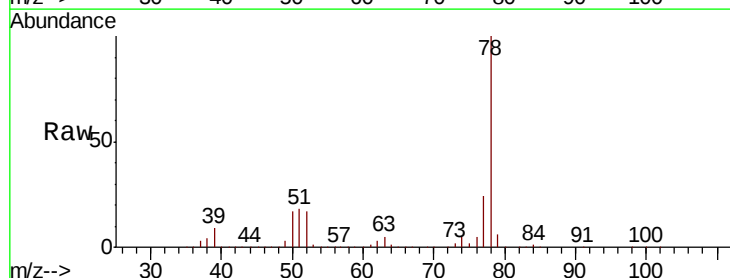
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Tgt Ion: 78 Resp: 563596



Abundance Ion 78.00 (77.70 to 78.70): VV0

300000

250000

200000

150000

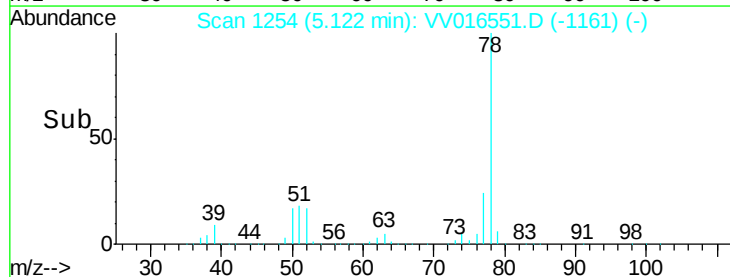
100000

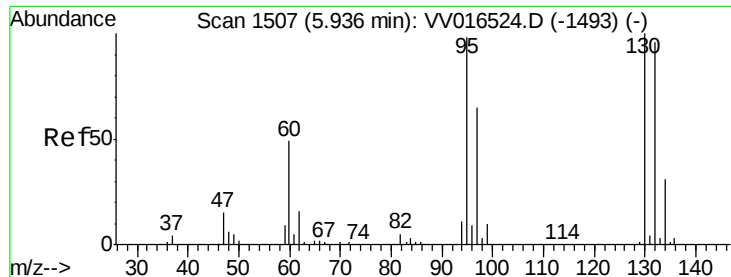
50000

0

5.00 5.10 5.20

Time-->

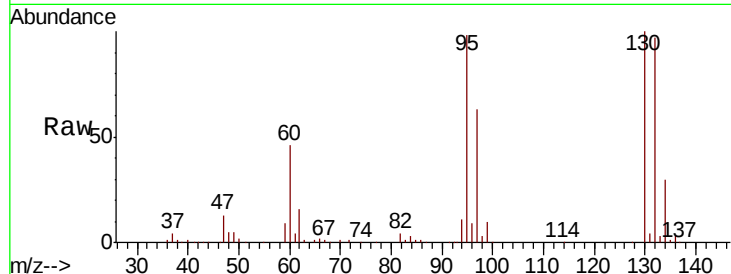




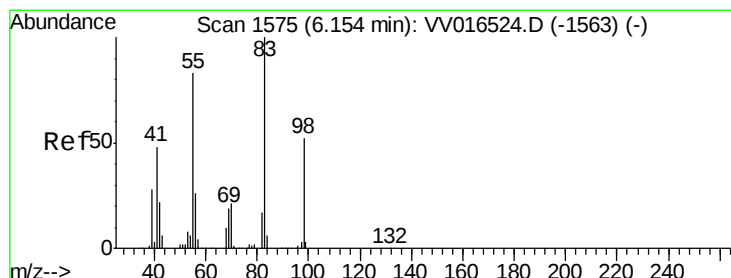
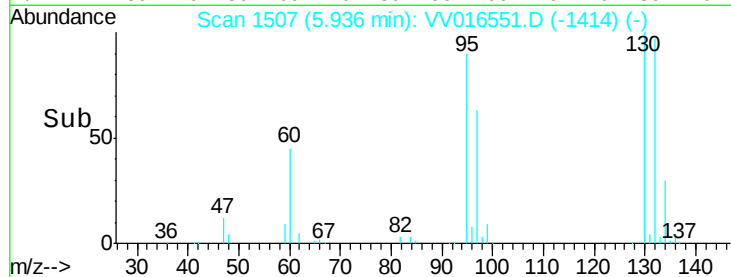
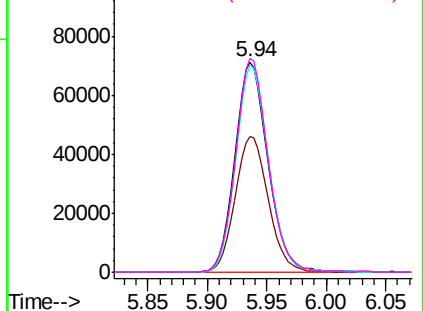
#34
 Trichloroethene
 Concen: 45.372 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 136856
 Ion Ratio Lower Upper
 95 100
 97 64.4 42.8 79.6
 132 98.4 65.6 121.8
 130 101.5 69.0 128.1

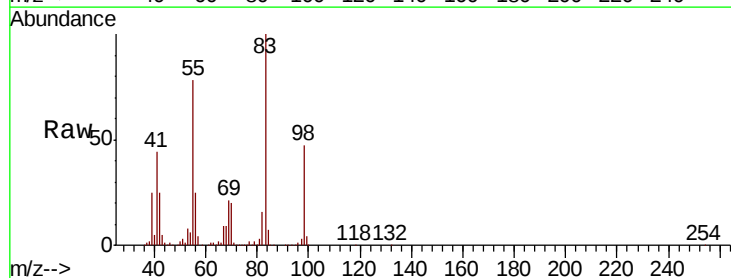


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

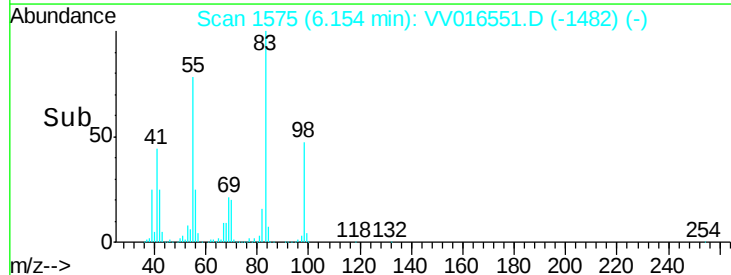
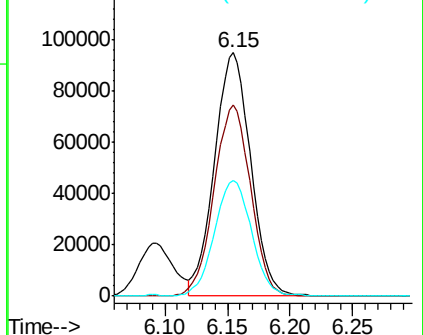


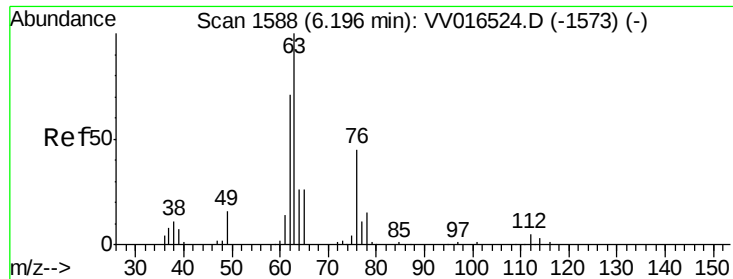
#35
 Methylcyclohexane
 Concen: 44.002 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Tgt Ion: 83 Resp: 190511
 Ion Ratio Lower Upper
 83 100
 55 78.6 63.4 95.0
 98 48.5 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

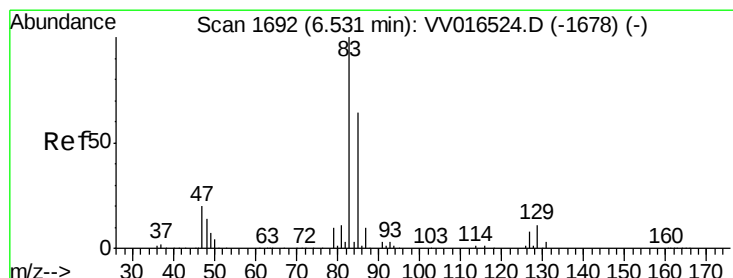
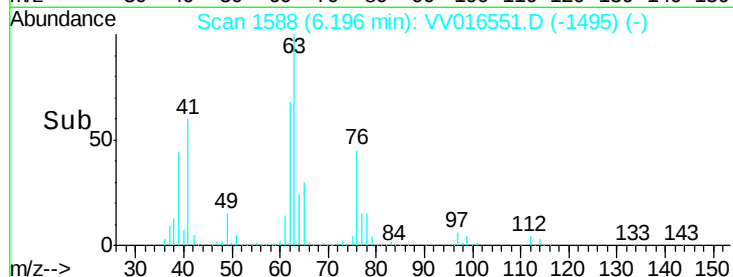
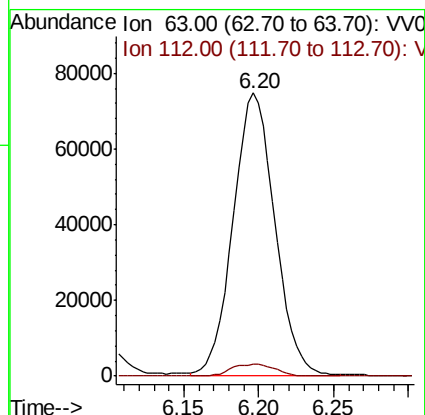
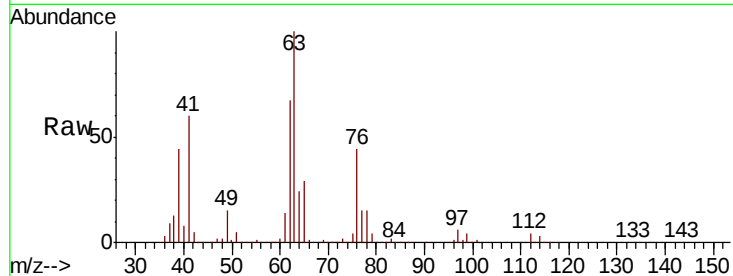




#37
 1,2-Dichloropropane
 Concen: 48.373 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

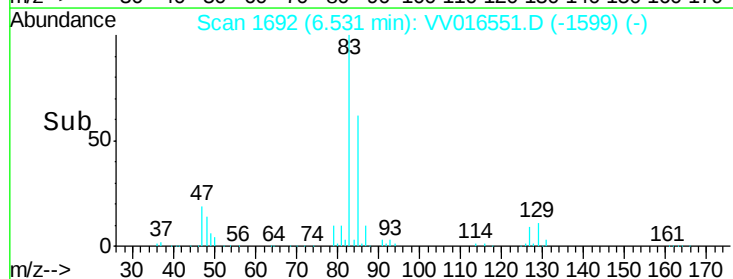
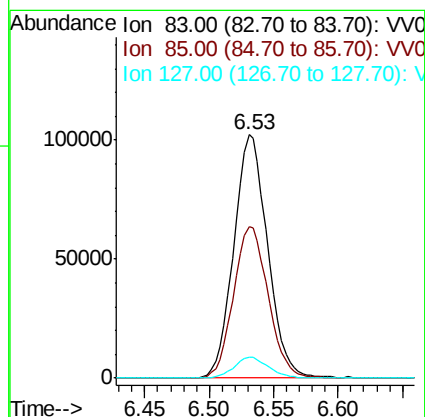
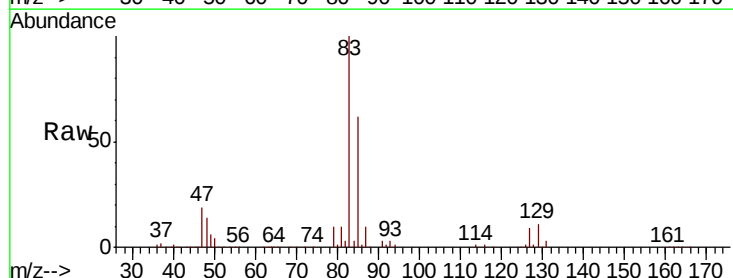
Instrument :
 MSVOA_V
 ClientSampleId :

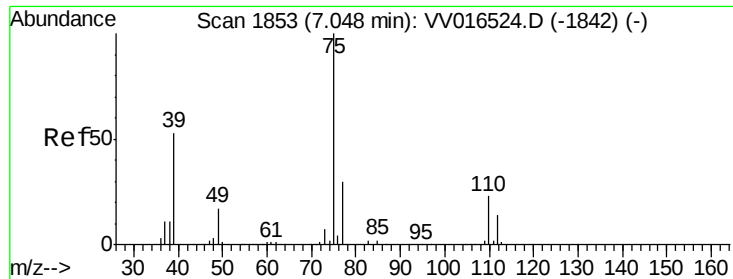
Tot Ion: 63 Resp: 144937
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 48.441 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Tgt Ion: 83 Resp: 186489
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.4 82.5
 127 8.6 7.1 10.7

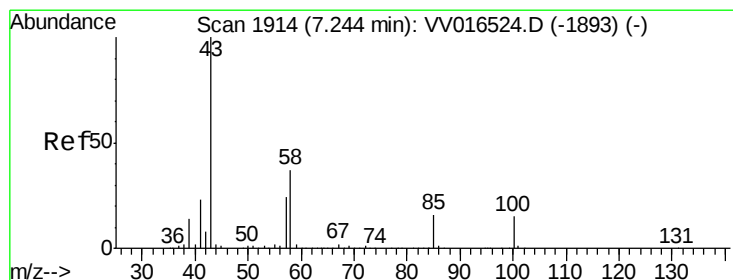
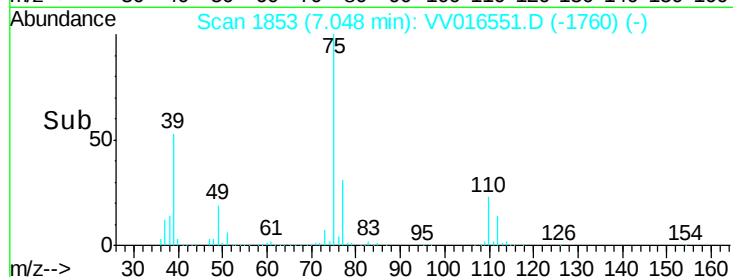
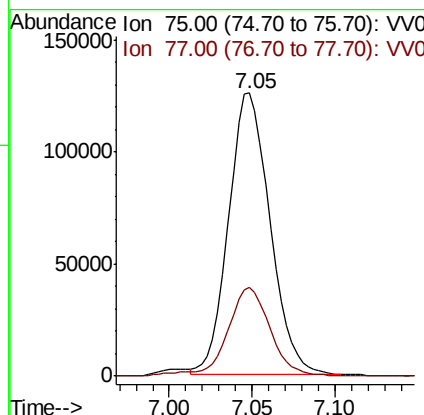
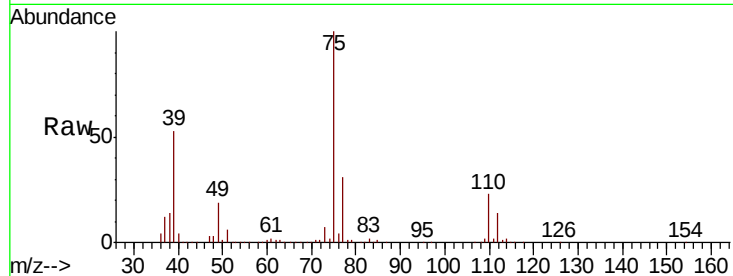




#39
 cis-1,3-Dichloropropene
 Concen: 49.644 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

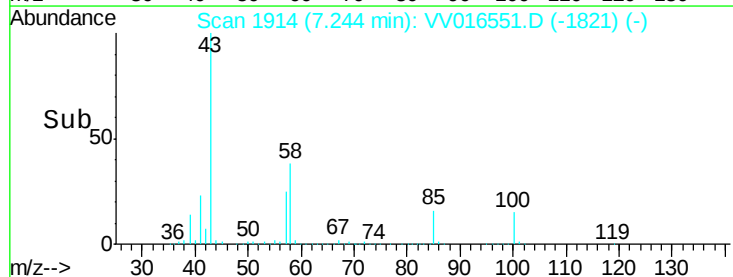
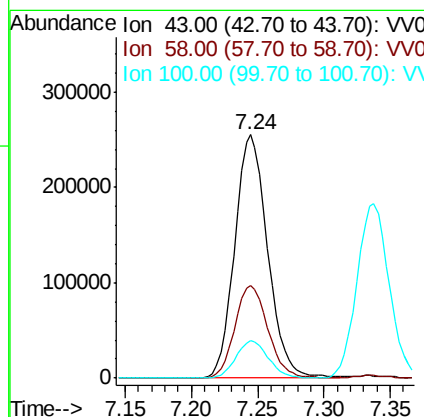
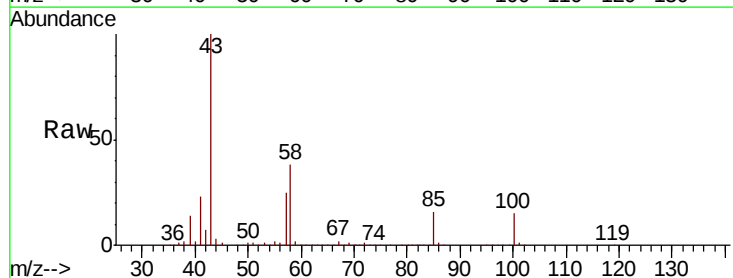
Instrument :
 MSVOA_V
 ClientSampled :

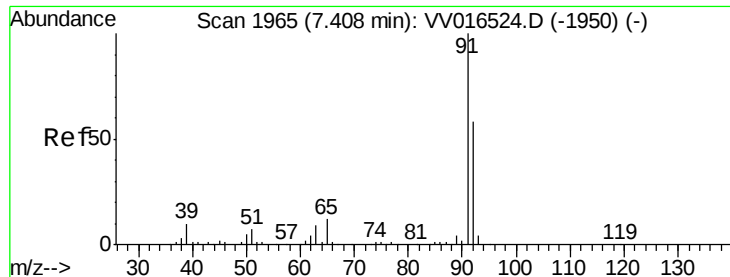
Tot Ion: 75 Resp: 216880
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 106.509 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Tgt Ion: 43 Resp: 439107
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.9 44.9
 100 15.3 11.9 17.9





#42

Toluene

Concen: 47.753 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

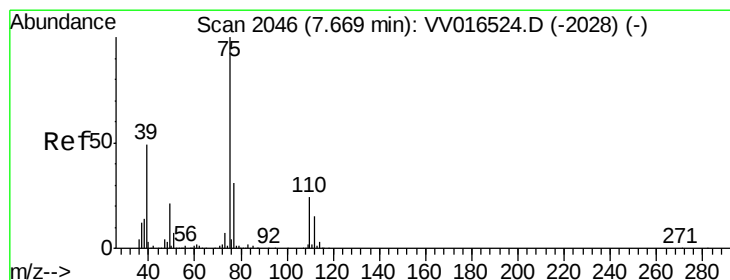
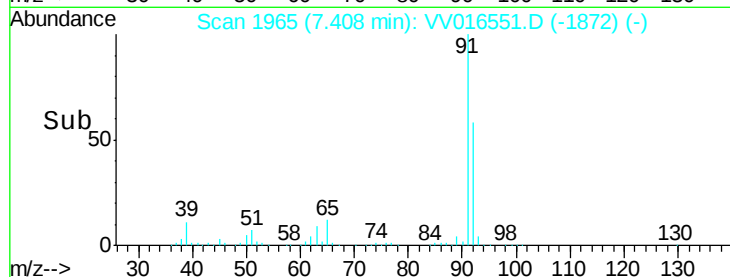
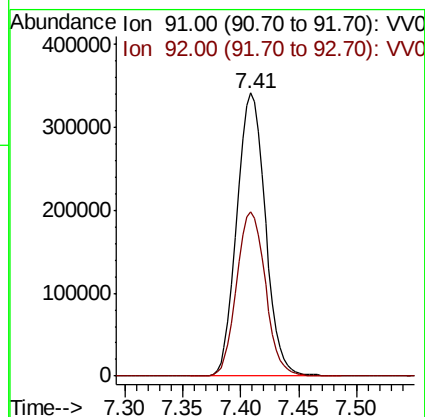
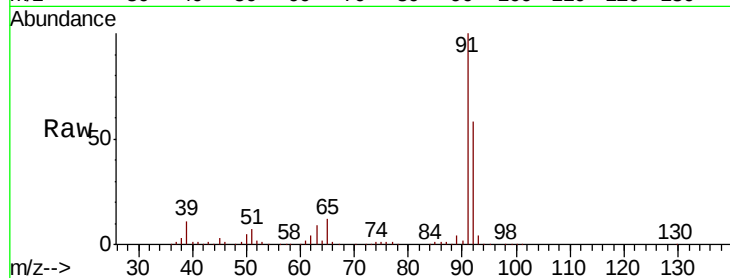
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 581677

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 50.292 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016551.D

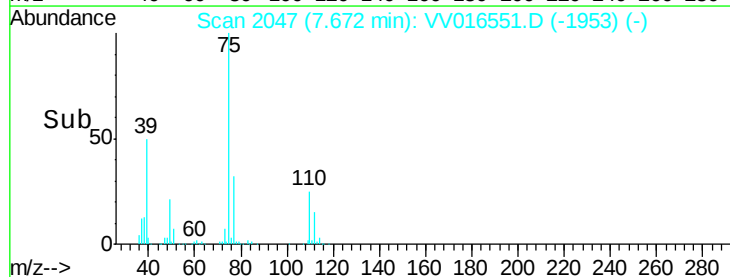
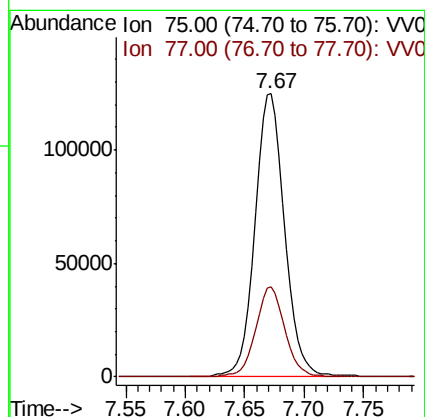
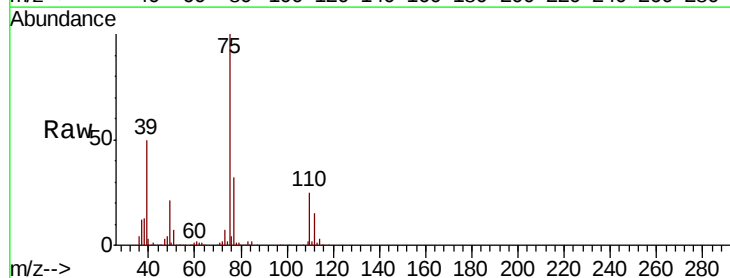
Acq: 05 Jun 2020 21:41

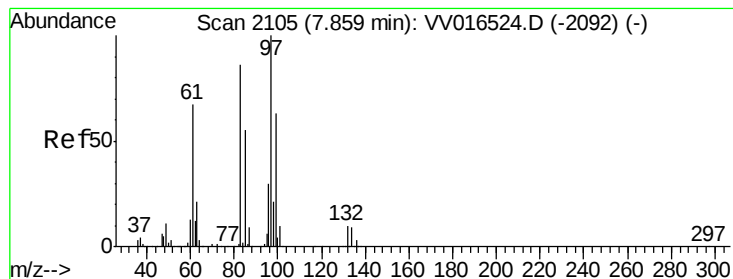
Tgt Ion: 75 Resp: 215567

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 48.714 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 141134

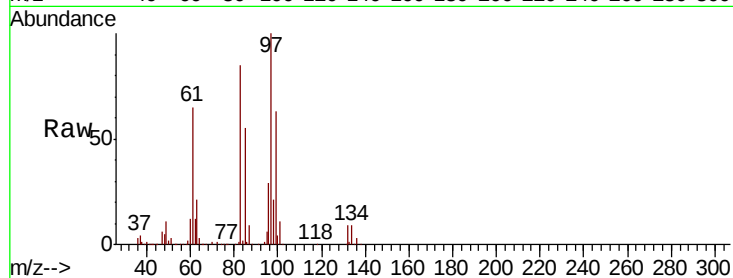
Ion Ratio Lower Upper

97 100

99 63.4 42.9 79.7

83 85.0 59.3 110.1

85 55.0 37.5 69.7

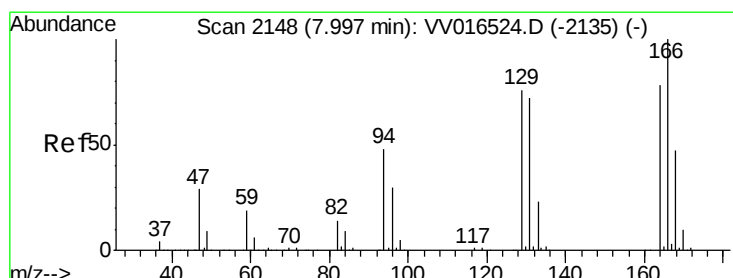
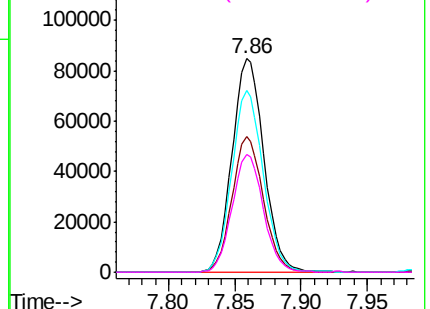
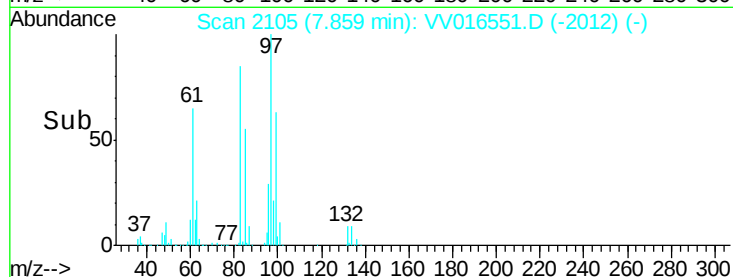


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 46.554 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Tgt Ion: 164 Resp: 108267

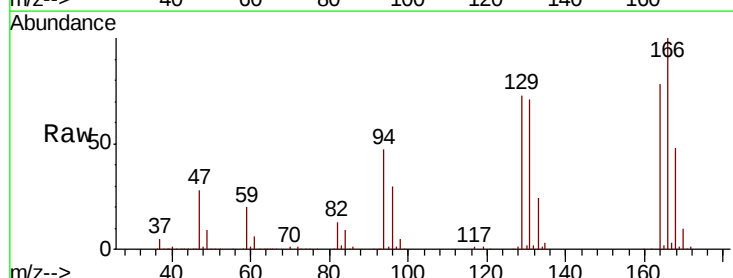
Ion Ratio Lower Upper

164 100

129 93.6 67.7 125.7

131 90.2 63.8 118.6

166 127.5 88.7 164.7

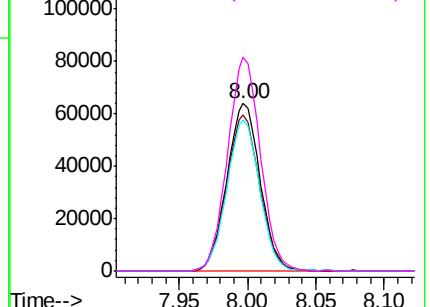
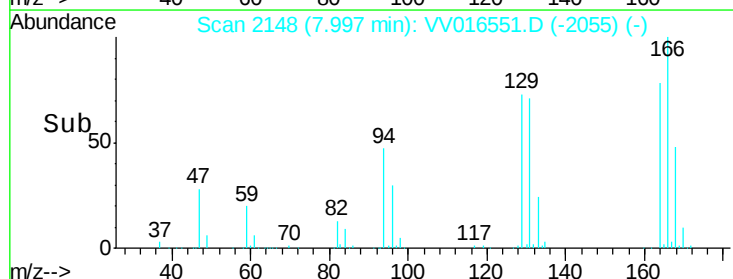


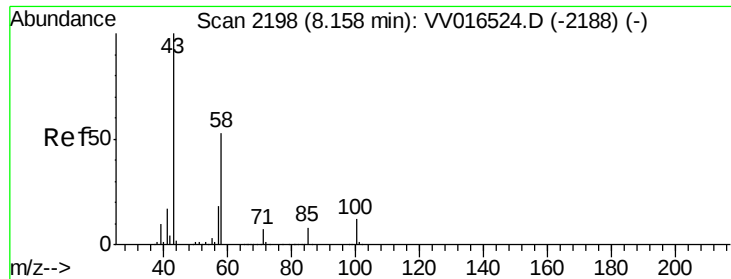
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

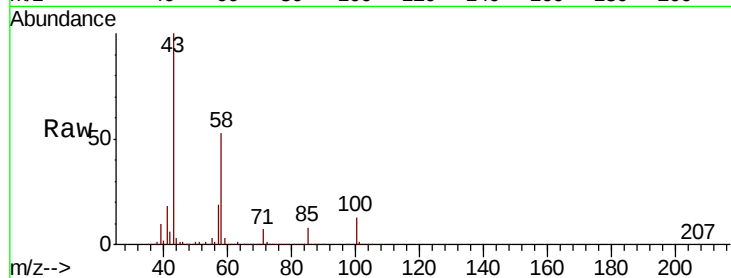




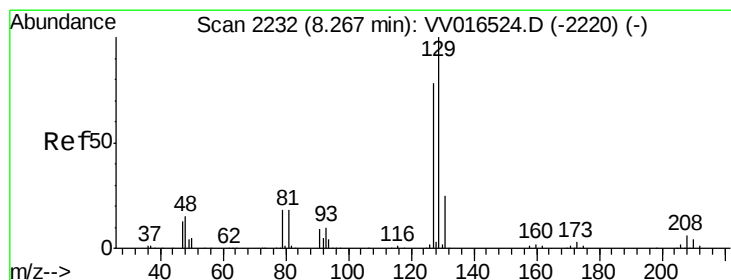
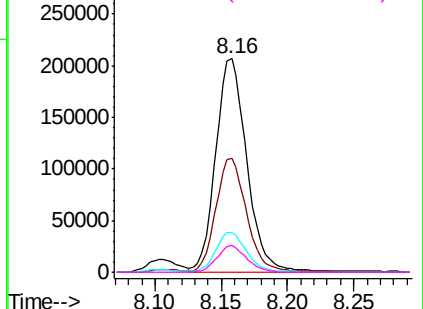
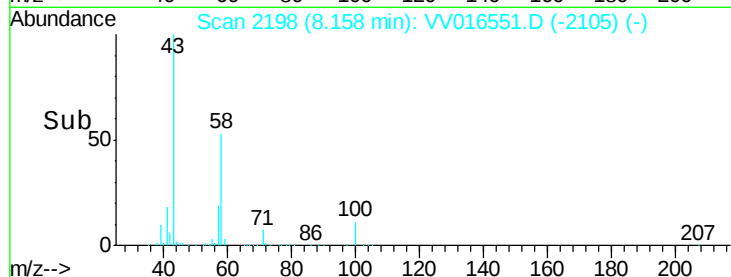
#48
2-Hexanone
Concen: 104.563 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 335139
Ion Ratio Lower Upper
43 100
58 51.8 42.7 64.1
57 18.4 14.5 21.7
100 12.0 9.4 14.2

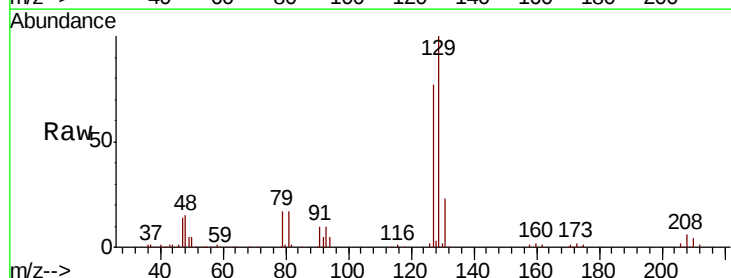


Abundance Ion 43.00 (42.70 to 43.70): VV016551.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV016551.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV016551.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV016551.D (-2105) (-)

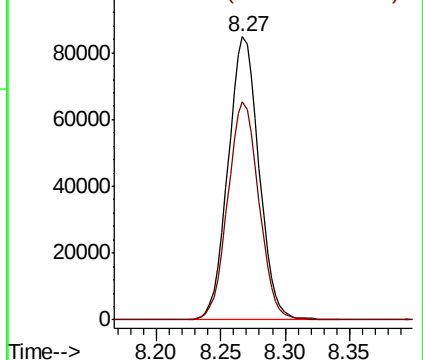
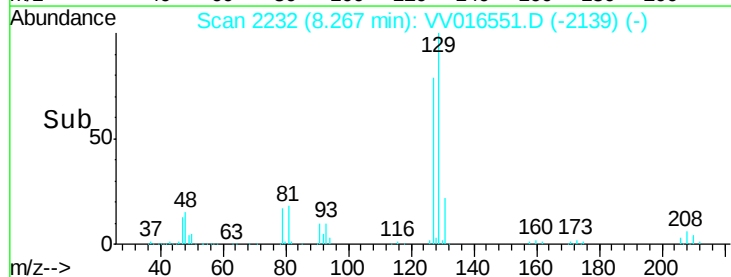


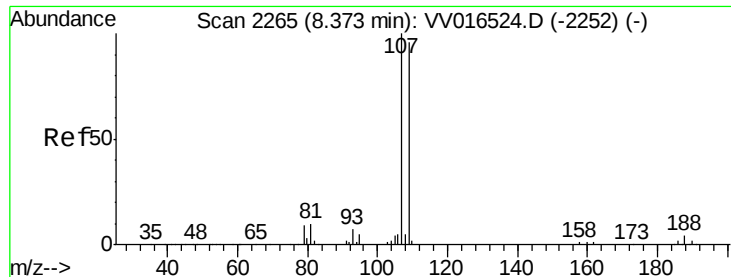
#49
Dibromochloromethane
Concen: 50.112 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion: 129 Resp: 141144
Ion Ratio Lower Upper
129 100
127 77.2 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV016551.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016551.D (-2139) (-)

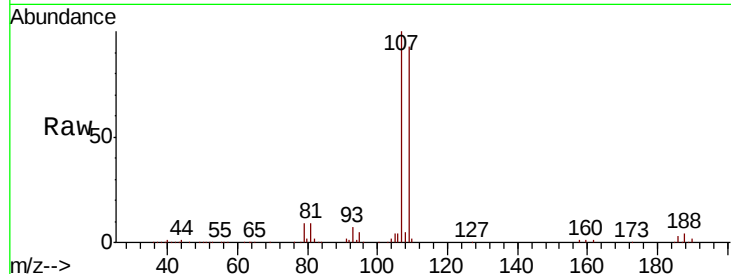




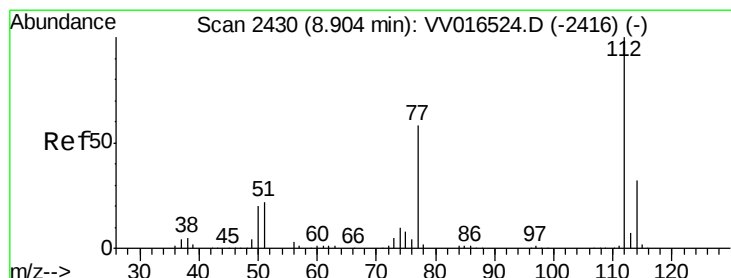
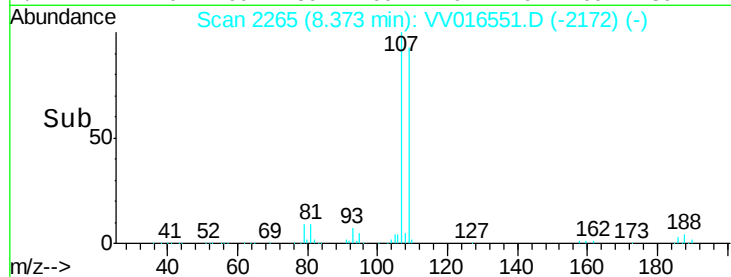
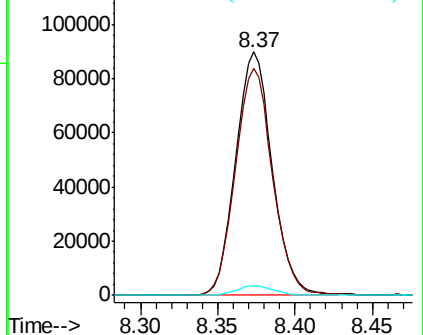
#50
1,2-Dibromoethane
Concen: 48.027 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.9	122.3
188	4.1	2.8	4.2

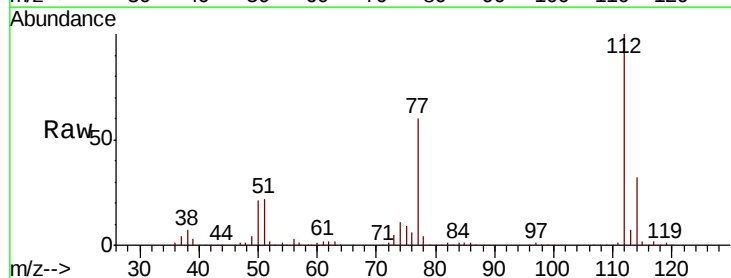


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

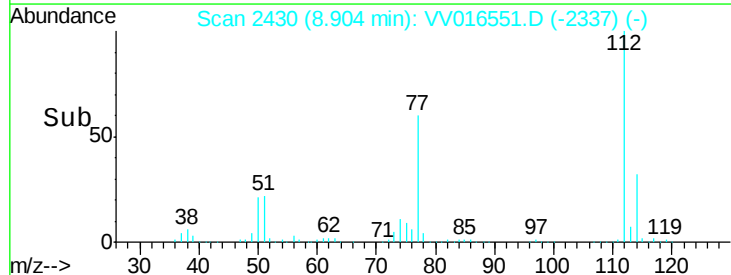
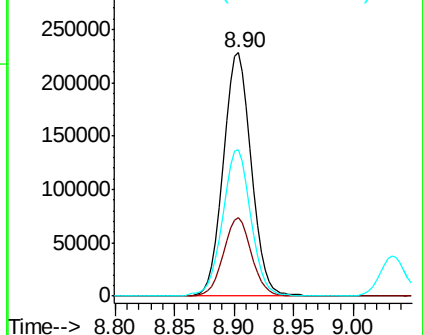


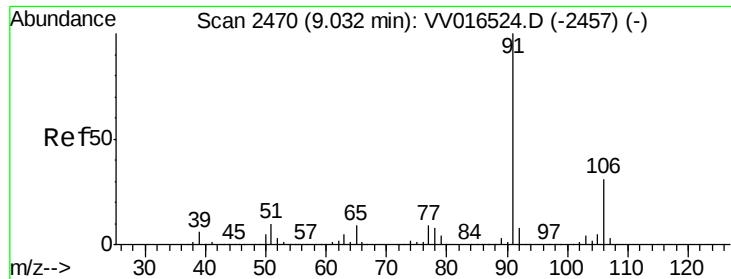
#51
Chlorobenzene
Concen: 46.532 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	60.0	47.4	71.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.297 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

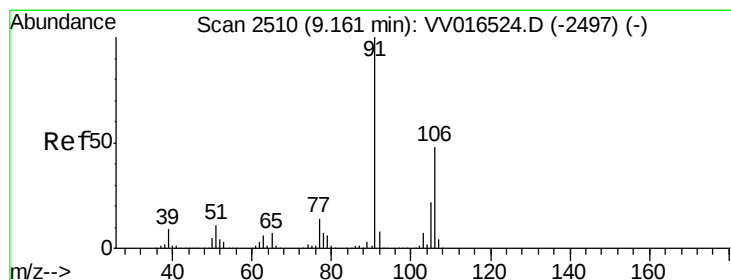
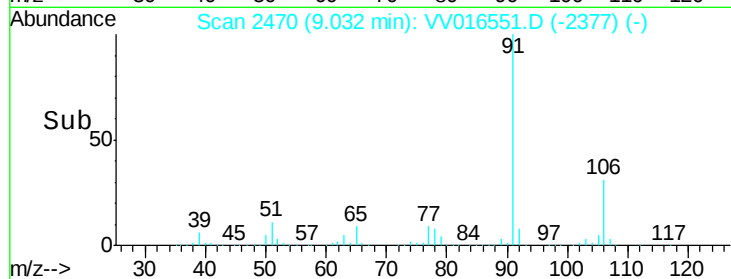
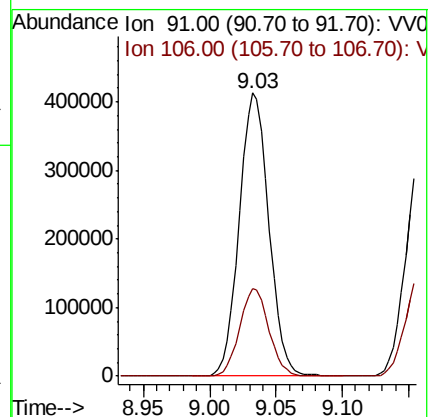
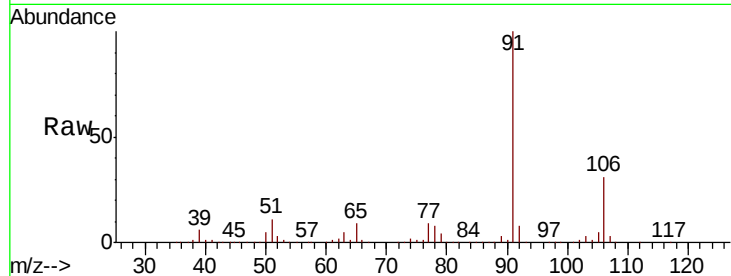
ClientSampleId :

Tot Ion: 91 Resp: 640292

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



#53

m,p-Xylene

Concen: 47.830 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016551.D

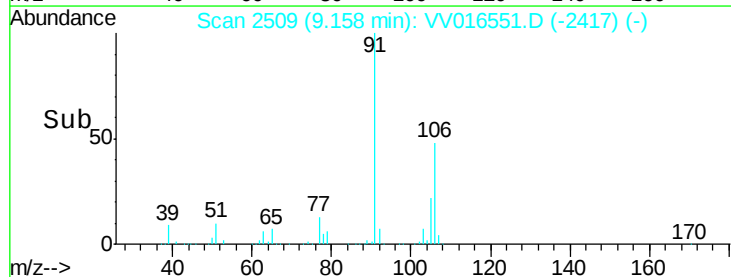
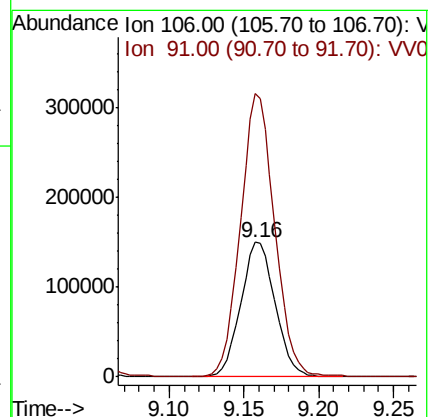
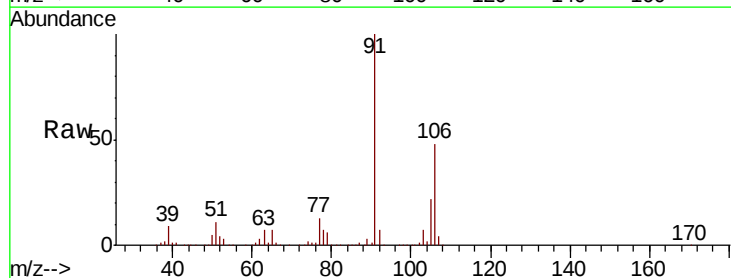
Acq: 05 Jun 2020 21:41

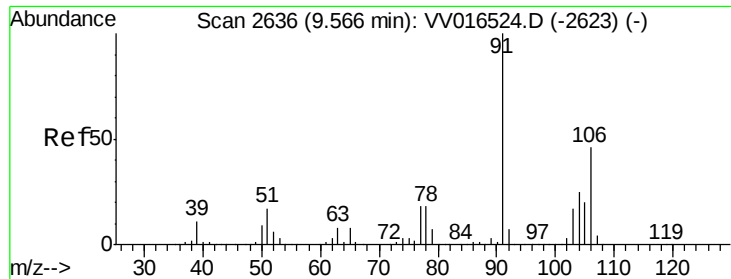
Tgt Ion: 106 Resp: 239100

Ion Ratio Lower Upper

106 100

91 210.2 142.5 264.6

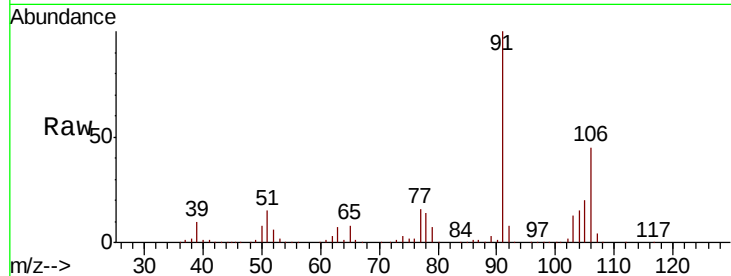




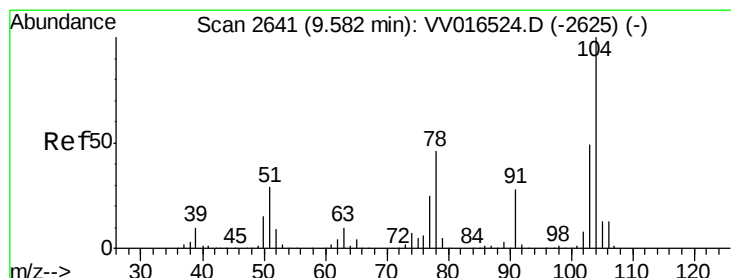
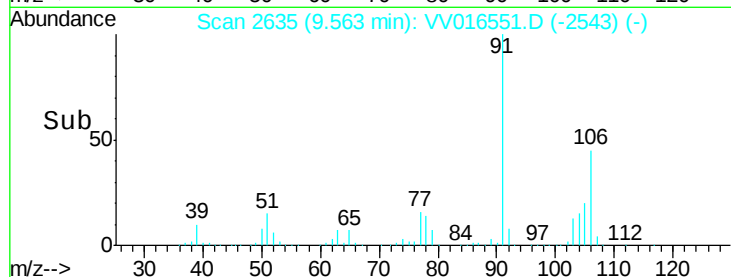
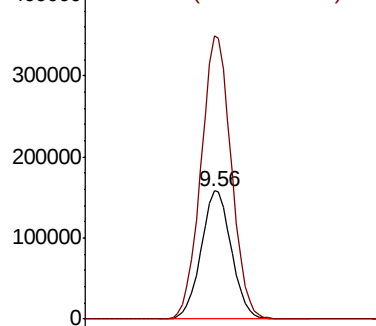
#54
o-xylene
Concen: 49.275 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 238561
Ion Ratio Lower Upper
106 100
91 220.4 152.5 283.1

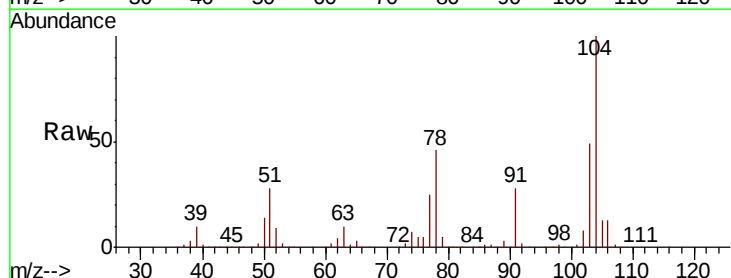


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

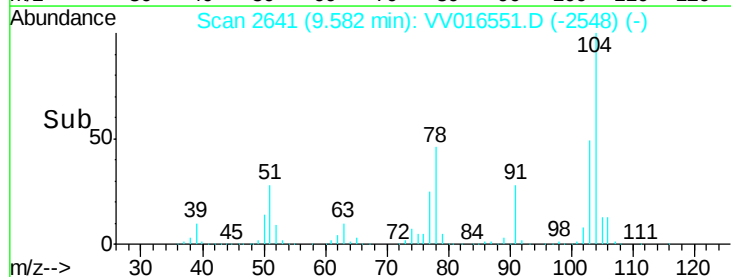
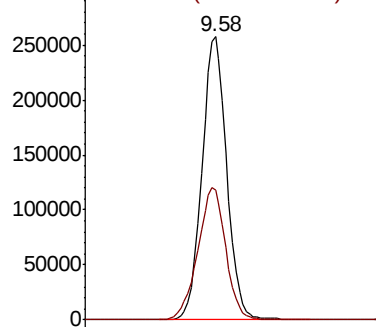


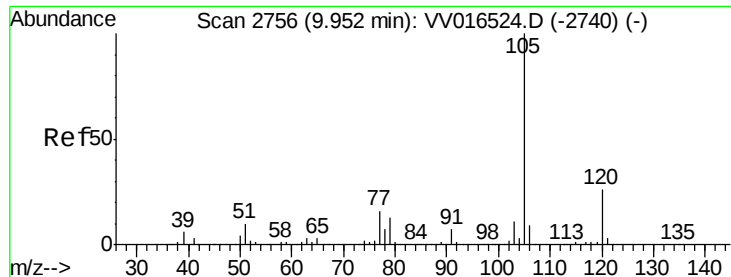
#55
Styrene
Concen: 48.520 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016551.D
Acq: 05 Jun 2020 21:41

Tgt Ion:104 Resp: 411519
Ion Ratio Lower Upper
104 100
78 45.9 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.947 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :
MSVOA_V
ClientSampled :

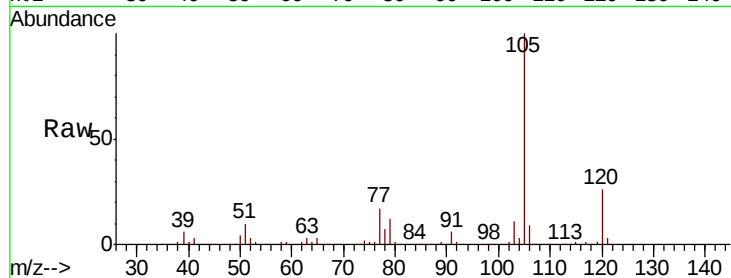
Tot Ion:105 Resp: 628115

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

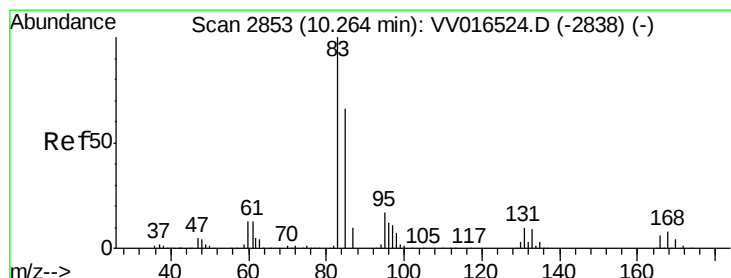
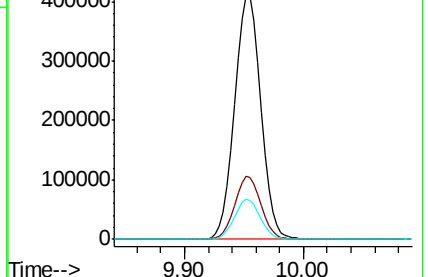
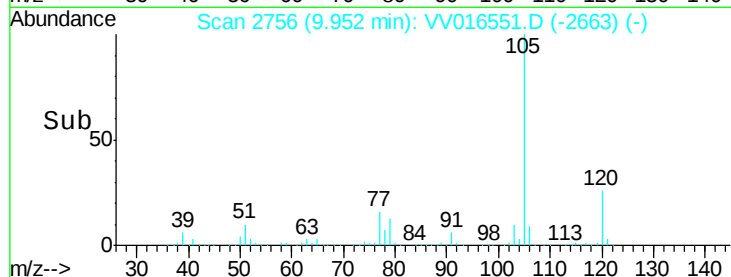
77 16.3 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.924 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

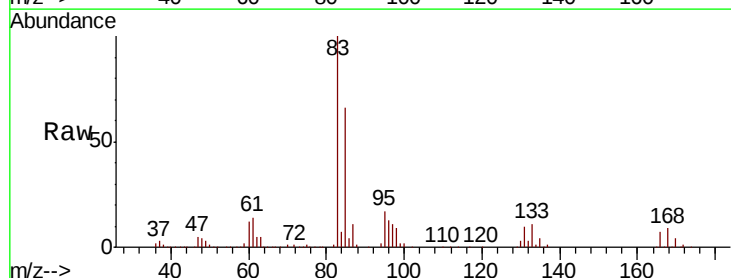
Tgt Ion: 83 Resp: 222729

Ion Ratio Lower Upper

83 100

85 66.1 44.0 81.6

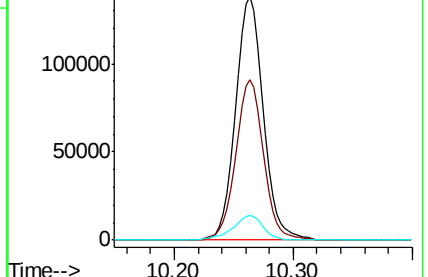
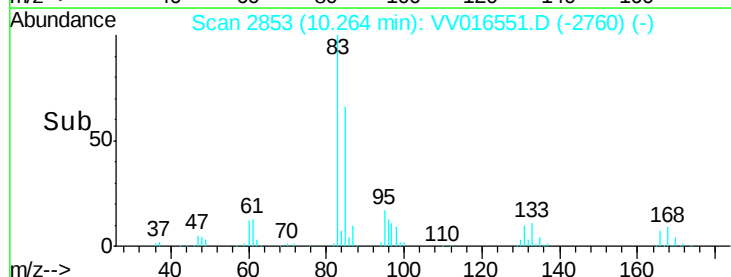
131 10.2 7.6 11.4

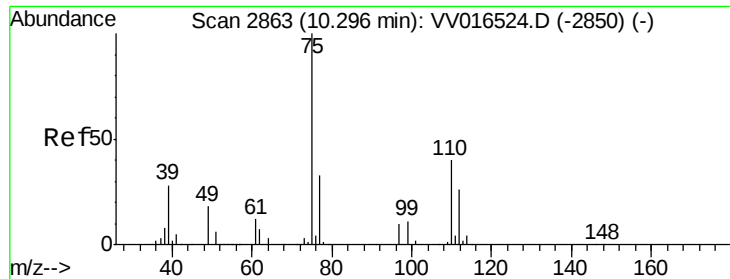


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.819 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

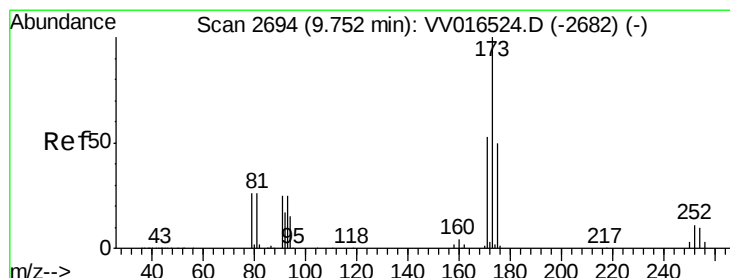
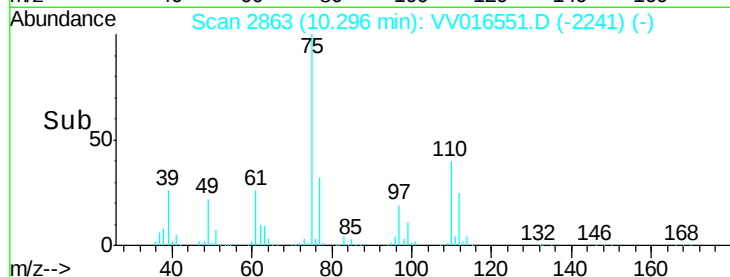
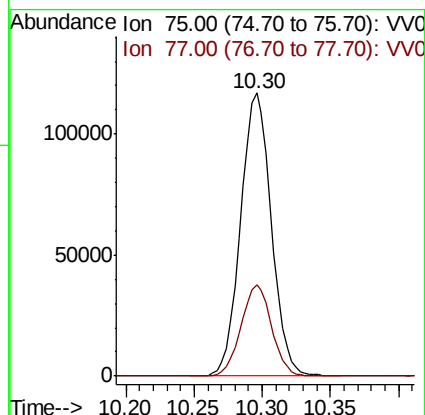
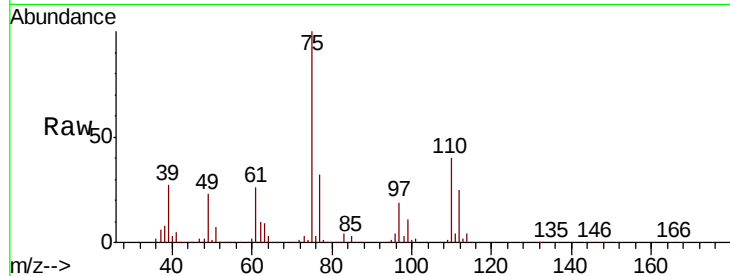
ClientSampleId :

Tot Ion: 75 Resp: 182528

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#61

Bromoform

Concen: 55.684 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

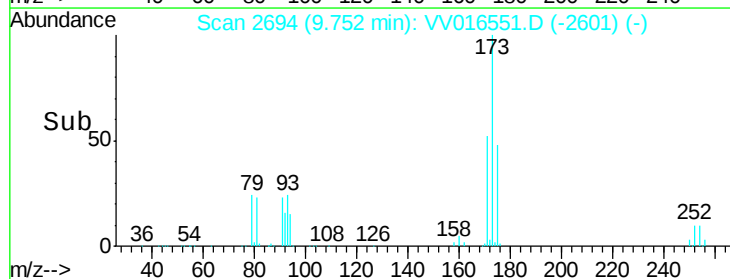
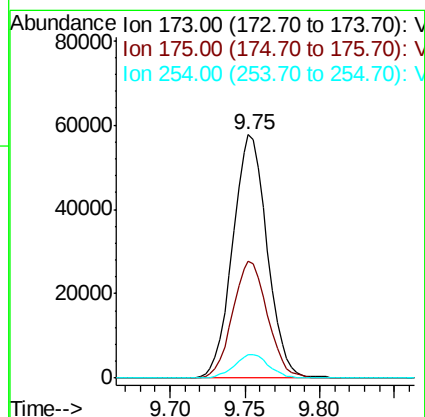
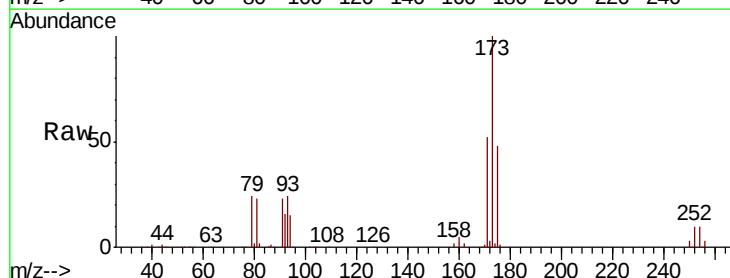
Tgt Ion: 173 Resp: 92699

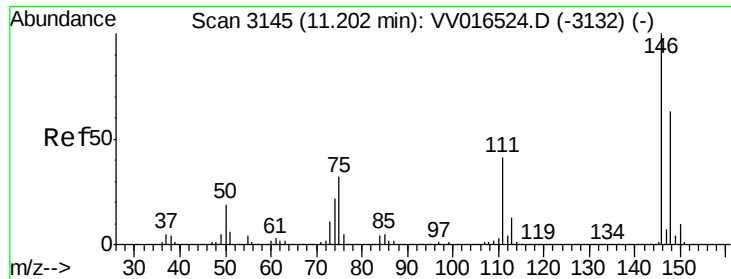
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 9.7 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 48.142 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

ClientSampled :

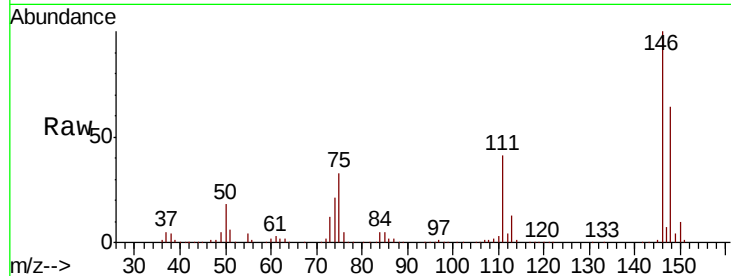
Tot Ion:146 Resp: 296550

Ion Ratio Lower Upper

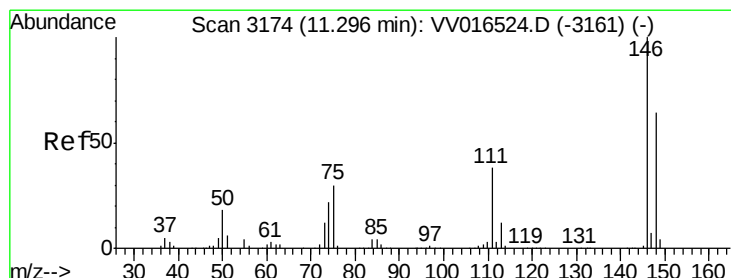
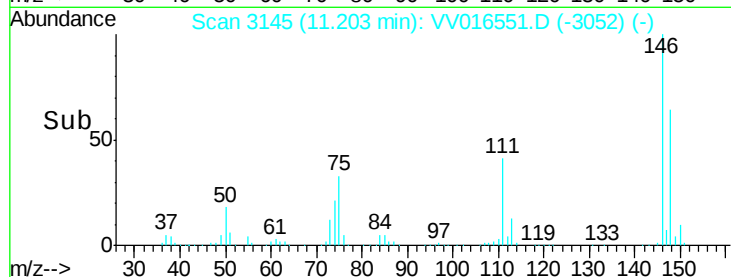
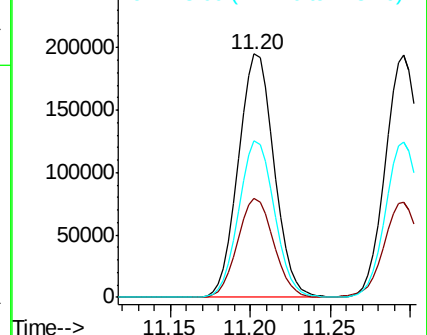
146 100

111 40.6 29.8 55.3

148 64.2 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.669 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

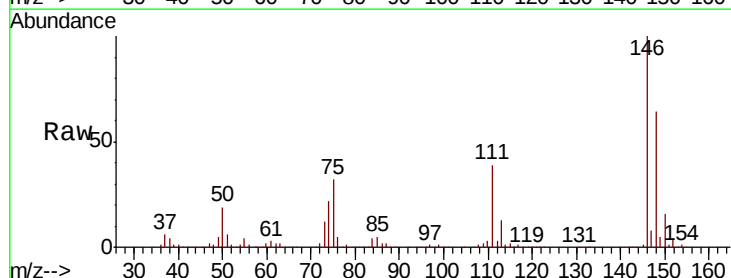
Tgt Ion:146 Resp: 298278

Ion Ratio Lower Upper

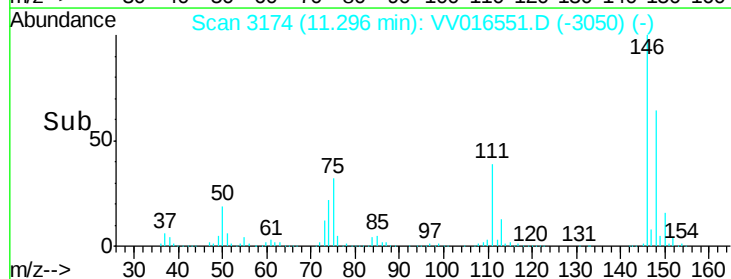
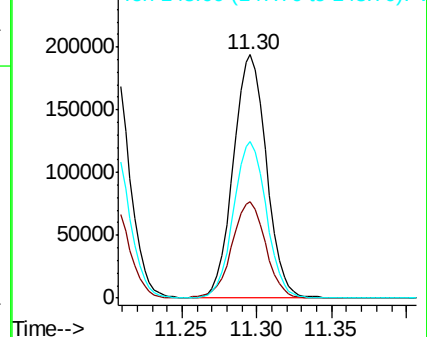
146 100

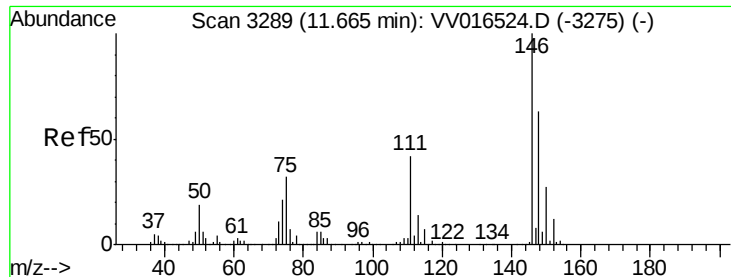
111 39.4 27.3 50.7

148 64.1 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.981 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

ClientSampled :

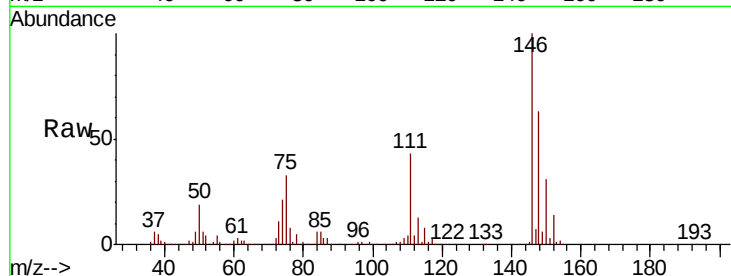
Tot Ion:146 Resp: 303691

Ion Ratio Lower Upper

146 100

111 42.7 33.6 50.4

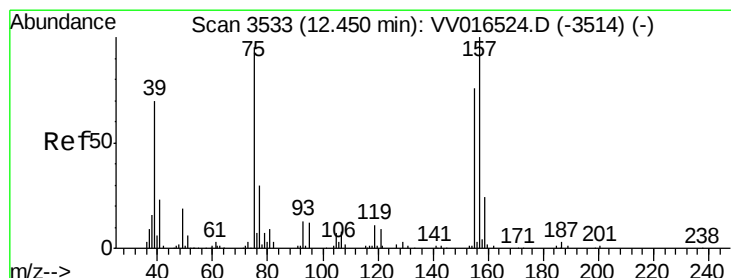
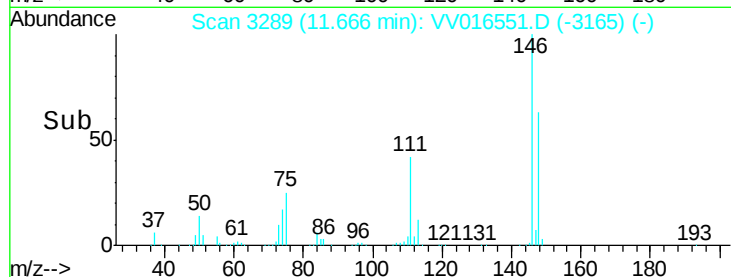
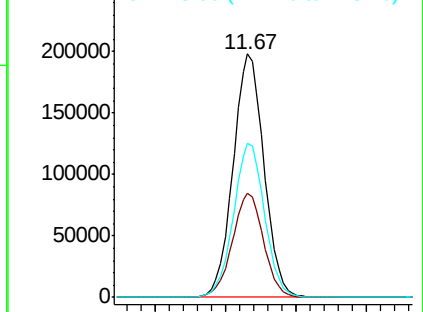
148 63.3 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.220 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

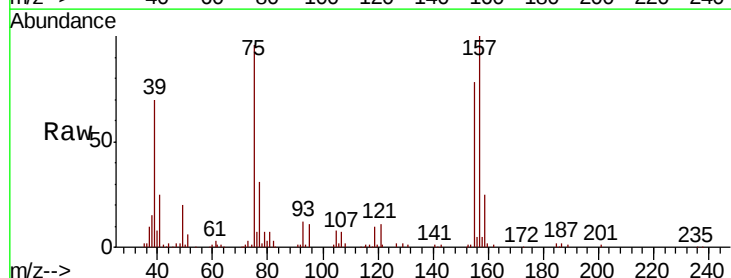
Tgt Ion: 75 Resp: 49135

Ion Ratio Lower Upper

75 100

155 81.7 66.2 99.2

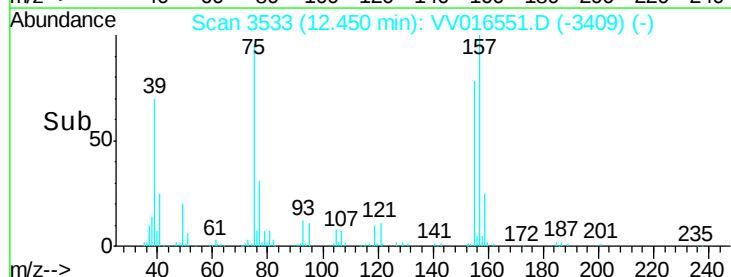
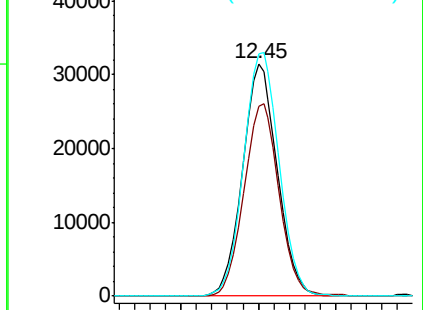
157 104.4 83.0 124.4

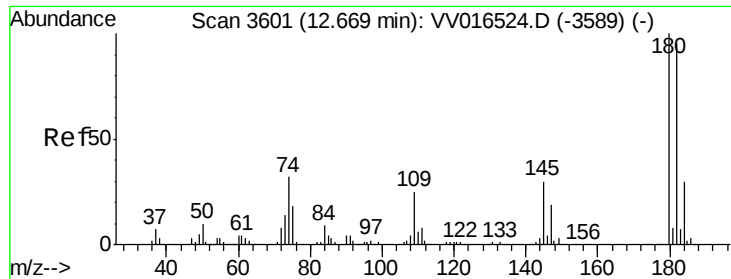


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

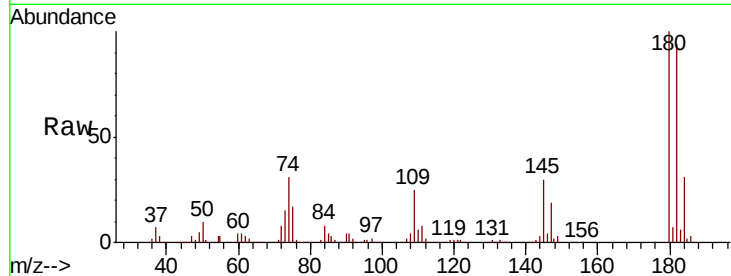




#67
 1,3,5-Trichlorobenzene
 Concen: 51.860 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.8	113.8
184	30.9	24.4	36.6
145	29.9	24.2	36.2



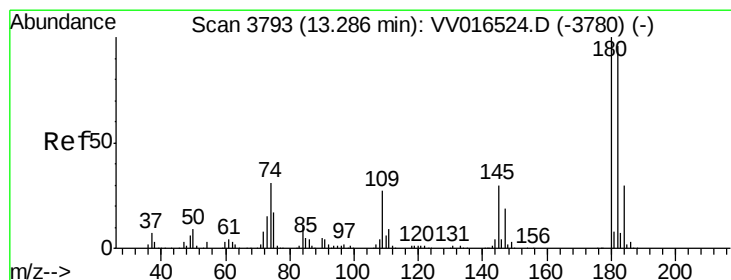
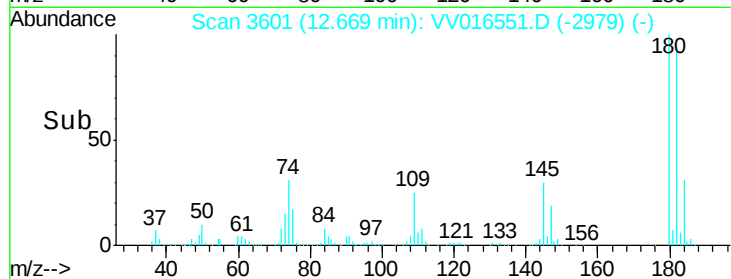
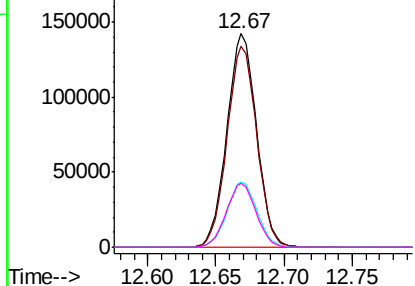
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

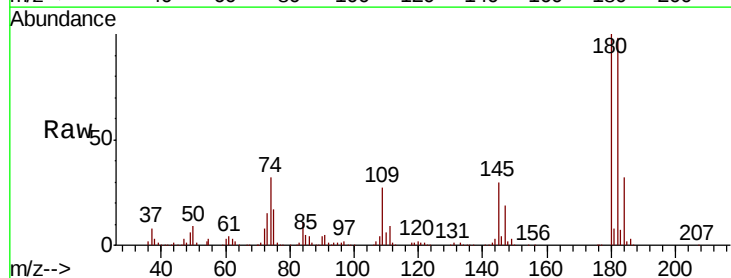
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.881 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016551.D
 Acq: 05 Jun 2020 21:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.6	111.8
145	30.5	24.5	36.7

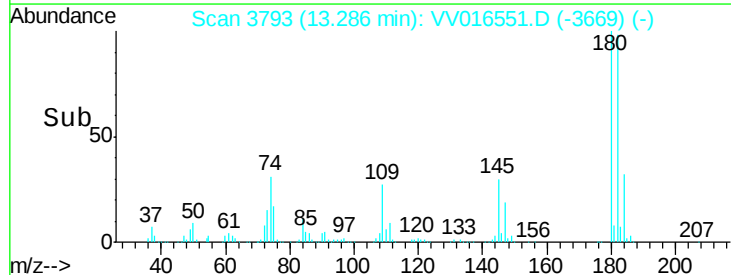
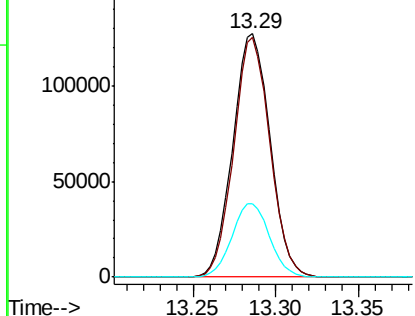


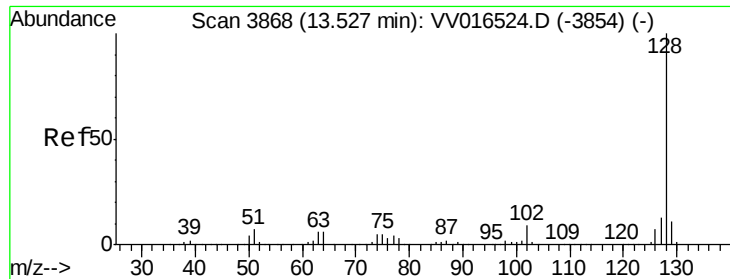
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.707 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

Instrument :

MSVOA_V

ClientSampled :

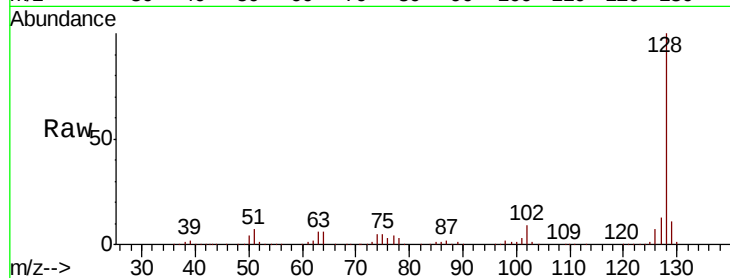
Tot Ion:128 Resp: 632472

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

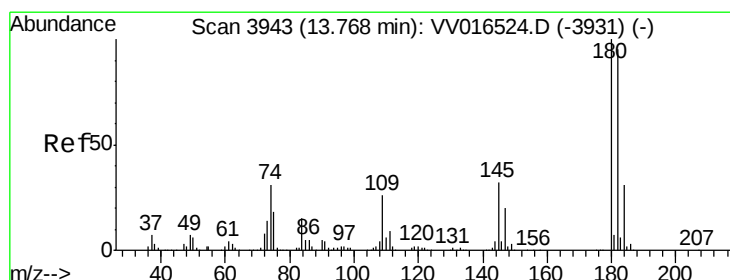
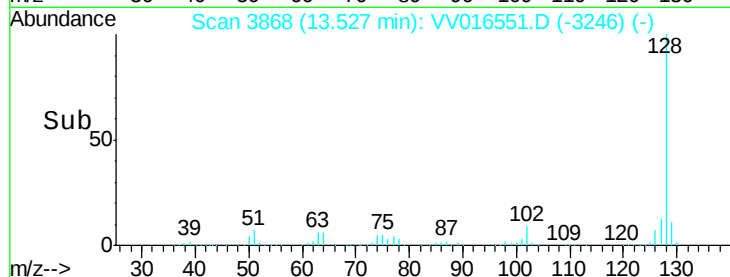
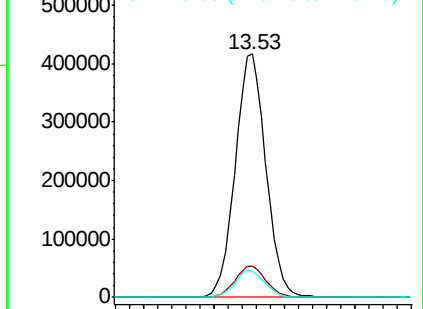
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.765 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016551.D

Acq: 05 Jun 2020 21:41

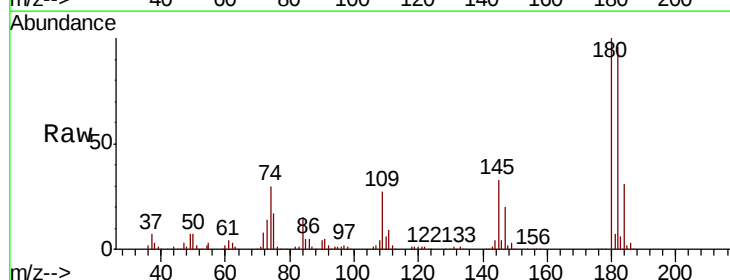
Tgt Ion:180 Resp: 199737

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.6 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

