

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\
 Data File : VV019644.D
 Acq On : 15 Dec 2020 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 10:26:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	619567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	582783	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	288402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	251867	56.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.38%
7) Chloroethane-d5	1.57	69	195483	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.58%
11) 1,1-Dichloroethene-d2	2.11	63	450930	54.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.38%
21) 2-Butanone-d5	3.88	46	312176	129.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.28%
24) Chloroform-d	4.35	84	427948	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.90%
26) 1,2-Dichloroethane-d4	5.03	65	279288	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
32) Benzene-d6	5.05	84	826911	53.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.07	67	257500	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.78%
41) Toluene-d8	7.32	98	744774	53.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.44%
43) trans-1,3-Dichloropropene-	7.62	79	134271	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.96%
47) 2-Hexanone-d5	8.09	63	232295	121.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.56%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	335630	50.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.92%
64) 1,2-Dichlorobenzene-d4	11.63	152	273396	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	254924	50.985	ug/L 100
3) Chloromethane	1.24	50	264810	49.826	ug/L 100
5) Vinyl chloride	1.31	62	268845	50.431	ug/L 100
6) Bromomethane	1.52	94	159430	49.800	ug/L 99
8) Chloroethane	1.59	64	163468	50.838	ug/L 100
9) Trichlorofluoromethane	1.75	101	339724	52.160	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	200623	55.777	ug/L 99
12) 1,1-Dichloroethene	2.12	96	189938	51.459	ug/L # 74
13) Acetone	2.18	43	214393	104.216	ug/L 100
14) Carbon disulfide	2.30	76	583392	48.103	ug/L 99
15) Methyl Acetate	2.43	43	230013	51.319	ug/L 100
16) Methylene chloride	2.51	84	217677	50.300	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	204918	50.652	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	689998	48.810	ug/L 99
19) 1,1-Dichloroethane	3.19	63	397214	50.644	ug/L 100
20) cis-1,2-Dichloroethene	3.91	96	221902	49.896	ug/L # 98
22) 2-Butanone	3.97	43	324564	107.556	ug/L 98

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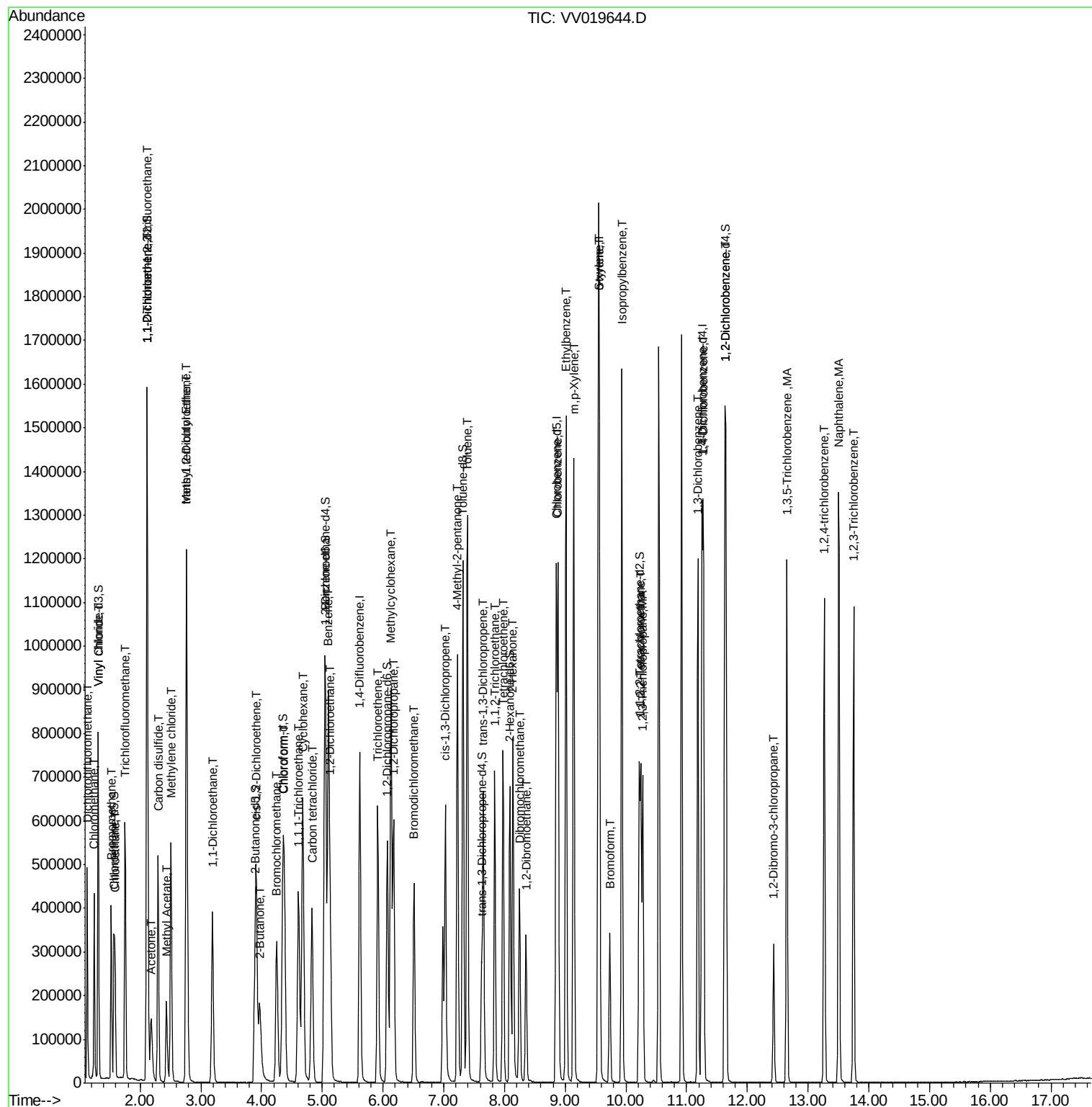
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	107801	49.265	ug/L	96
25) Chloroform	4.38	83	397251	50.713	ug/L	100
27) 1,2-Dichloroethane	5.13	62	323175	49.800	ug/L	100
29) Cyclohexane	4.68	56	368510	51.593	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	350830	48.010	ug/L	99
31) Carbon tetrachloride	4.83	117	296364	48.043	ug/L	99
33) Benzene	5.10	78	849142	49.855	ug/L	100
34) Trichloroethene	5.91	95	224098	49.808	ug/L	98
35) Methylcyclohexane	6.13	83	374431	54.780	ug/L	99
37) 1,2-Dichloropropane	6.17	63	227709	51.194	ug/L	100
38) Bromodichloromethane	6.51	83	299449	48.145	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	372182	50.381	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	637722	99.378	ug/L	99
42) Toluene	7.39	91	899643	50.116	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	354871	47.441	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	206420	48.870	ug/L	99
46) Tetrachloroethene	7.98	164	157502	50.590	ug/L	99
48) 2-Hexanone	8.14	43	493013	101.252	ug/L	98
49) Dibromochloromethane	8.25	129	218715	47.282	ug/L	99
50) 1,2-Dibromoethane	8.35	107	218372	49.094	ug/L	99
51) Chlorobenzene	8.88	112	573982	50.063	ug/L	99
52) Ethylbenzene	9.01	91	1030995	50.409	ug/L	99
53) m,p-Xylene	9.14	106	381515	49.930	ug/L	98
54) o-xylene	9.55	106	374455	49.997	ug/L	96
55) Styrene	9.56	104	651473	49.908	ug/L	100
56) Isopropylbenzene	9.93	105	1014895	50.865	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	330718	48.688	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	274929	49.693	ug/L	99
61) Bromoform	9.73	173	140571	44.050	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	442938	50.058	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	453573	50.621	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	438474	50.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.43	75	79696	43.666	ug/L	99
67) 1,3,5-Trichlorobenzene	12.65	180	322402	51.570	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	296577	50.737	ug/L	99
69) Naphthalene	13.51	128	982821	48.422	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	287520	50.333	ug/L	99

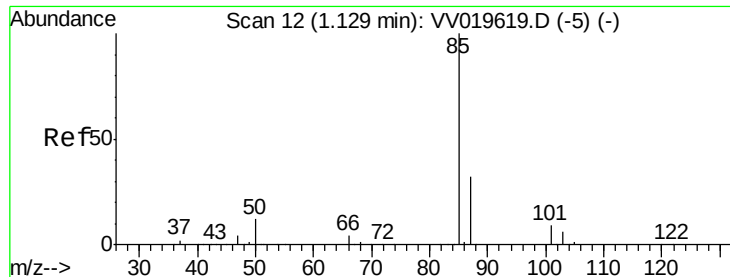
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.985 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

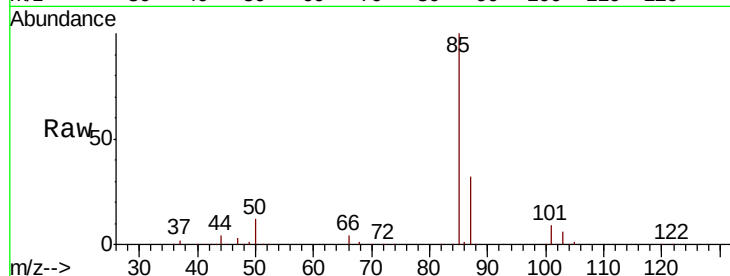
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 254924

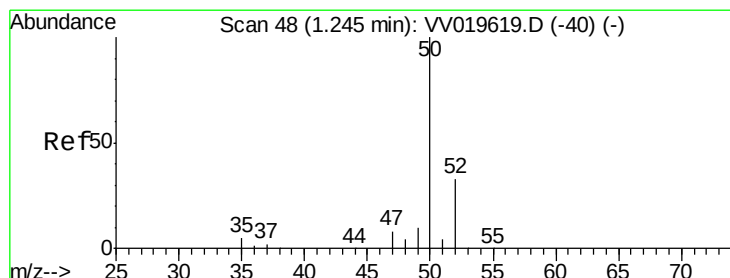
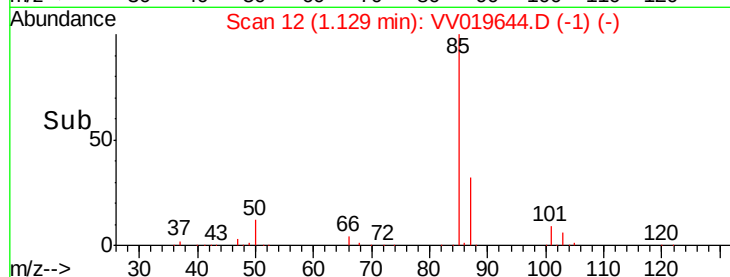
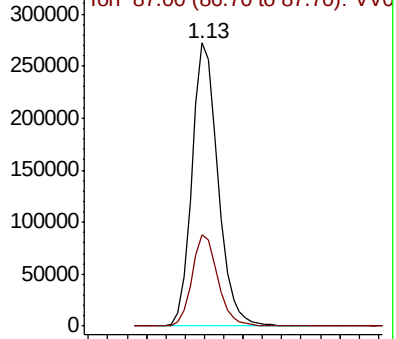
Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019619.D (-5) (-)



#3

Chloromethane

Concen: 49.826 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019644.D

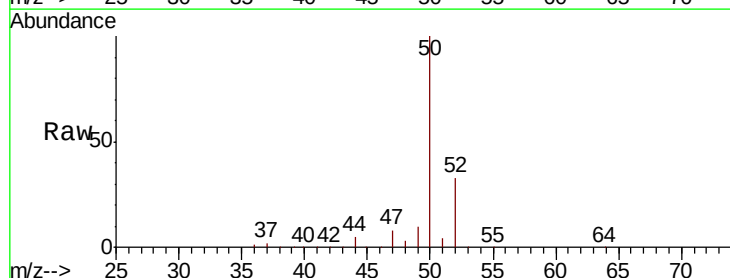
Acq: 15 Dec 2020 11:39

Tgt Ion: 50 Resp: 264810

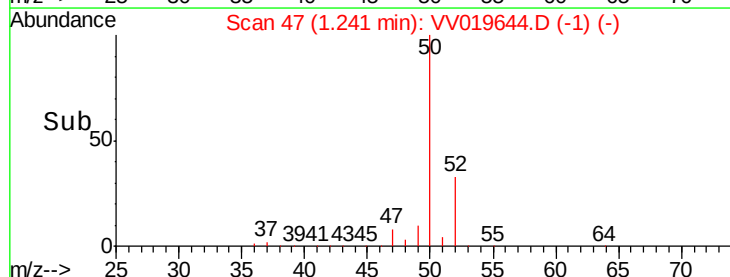
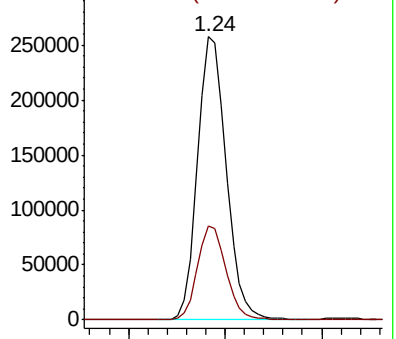
Ion Ratio Lower Upper

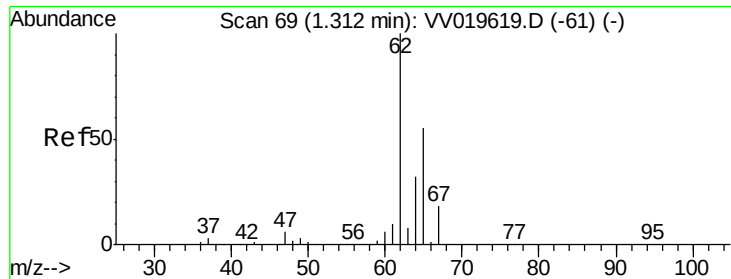
50 100

52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019619.D (-40) (-)





#5

Vinyl chloride

Concen: 50.431 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

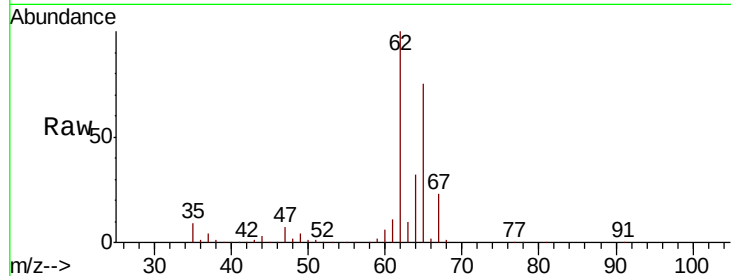
ClientSampleId :

Tot Ion: 62 Resp: 268845

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

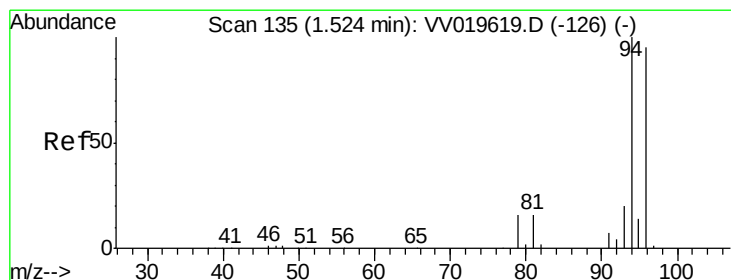
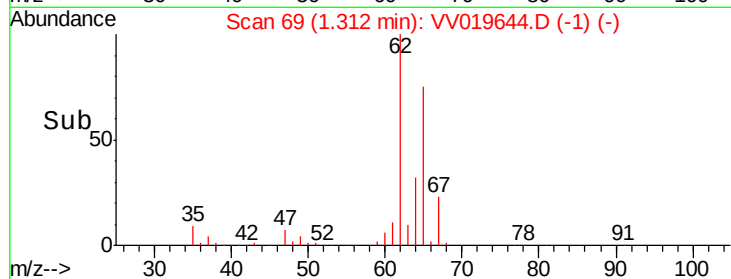
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 49.800 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019644.D

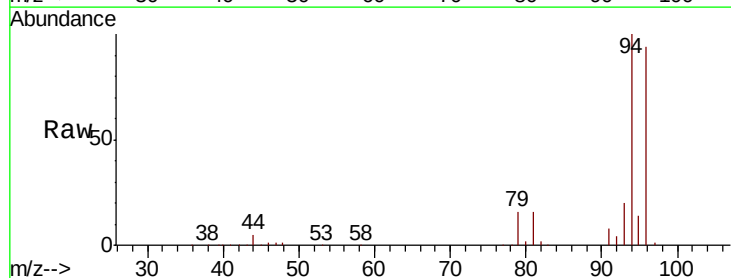
Acq: 15 Dec 2020 11:39

Tgt Ion: 94 Resp: 159430

Ion Ratio Lower Upper

94 100

96 93.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

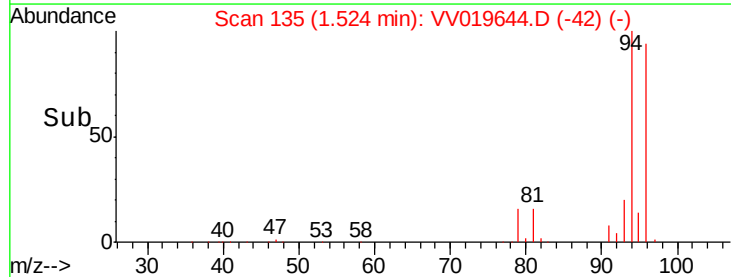
150000

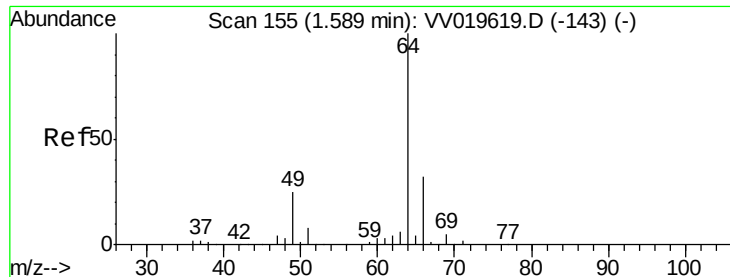
100000

50000

0

Time-->

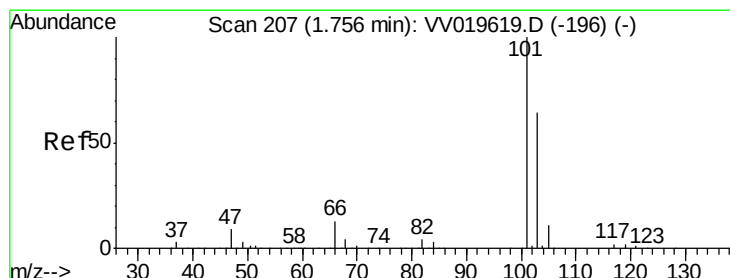
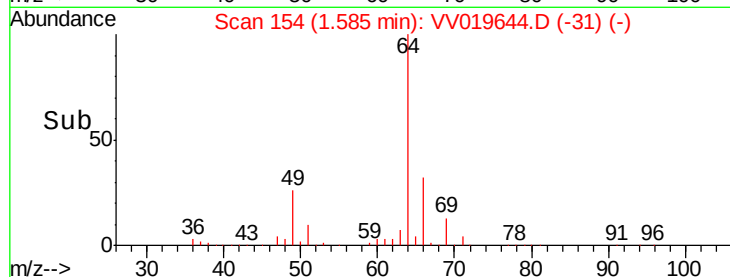
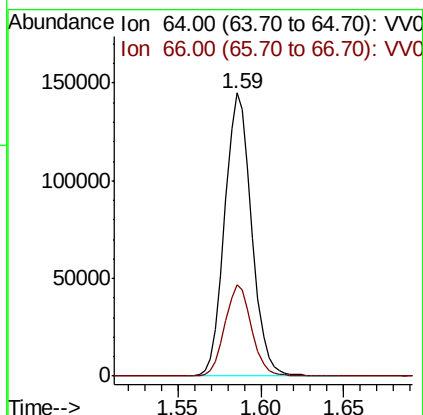
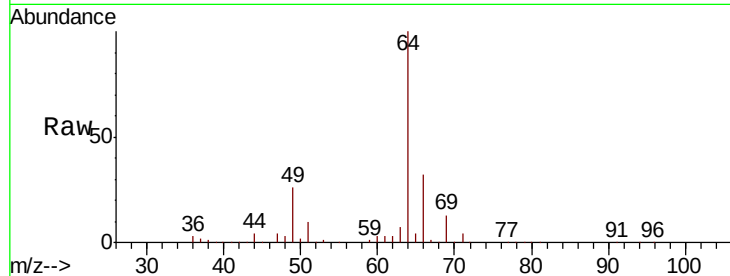




#8
Chloroethane
Concen: 50.838 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

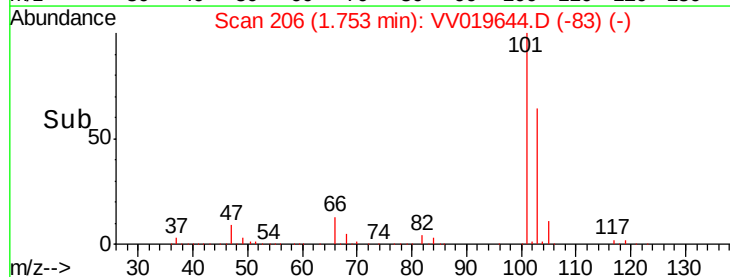
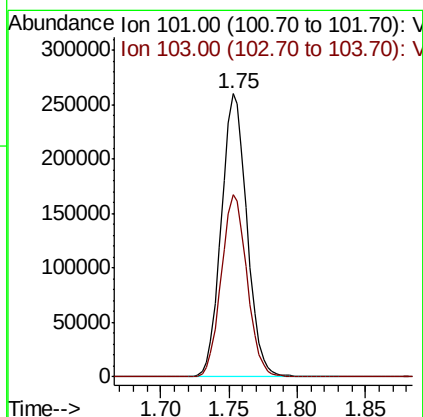
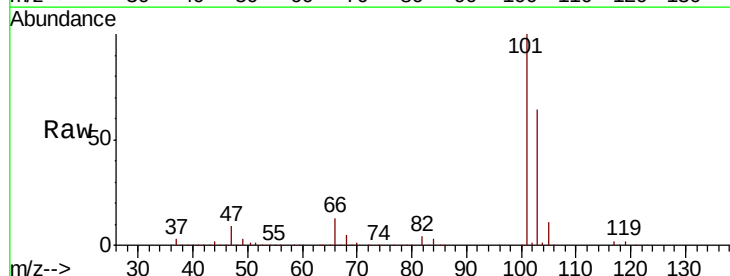
Instrument :
MSVOA_V
ClientSampleId :

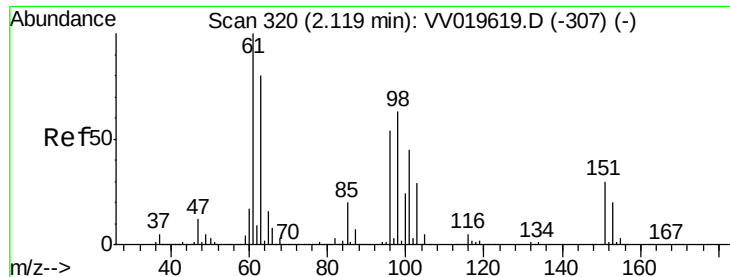
Tot Ion: 64 Resp: 163468
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 52.160 ug/L
RT: 1.75 min Scan# 206
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion:101 Resp: 339724
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4





#10

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

Concen: 55.777 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

ClientSampled :

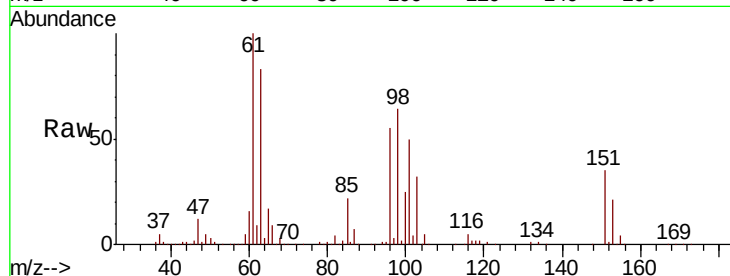
Tot Ion:101 Resp: 200623

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.4

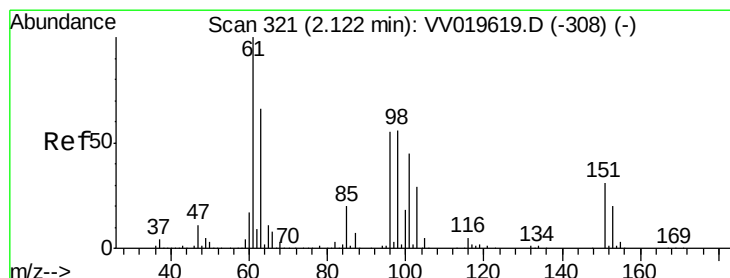
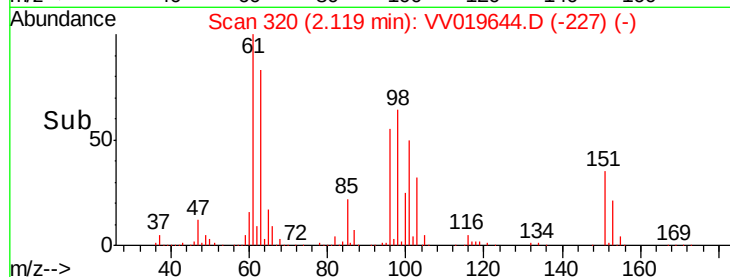
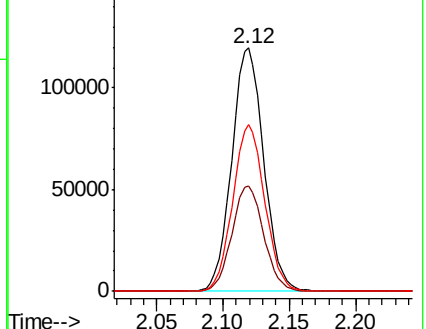
151 68.5 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019619.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV019619.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV019619.D (-307) (-)



#12

1,1-Dichloroethene

Concen: 51.459 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

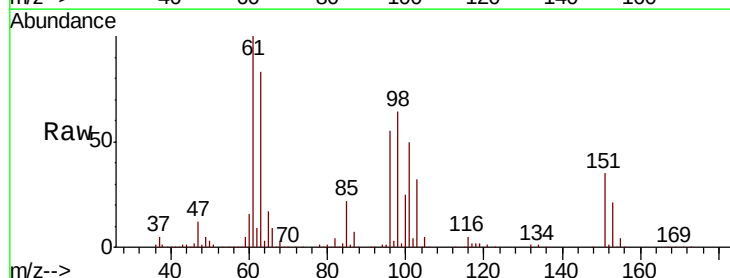
Tgt Ion: 96 Resp: 189938

Ion Ratio Lower Upper

96 100

61 181.9 120.7 224.1

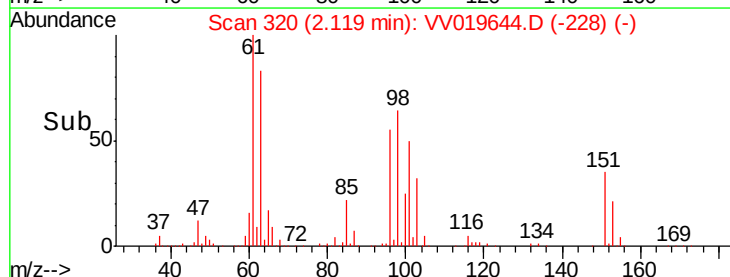
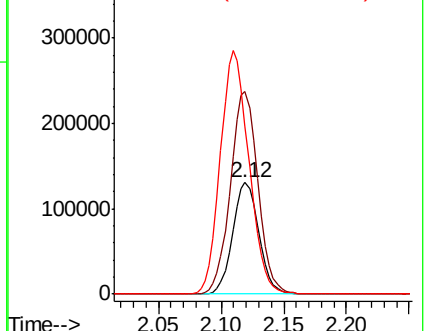
63 150.4 64.3 119.5#

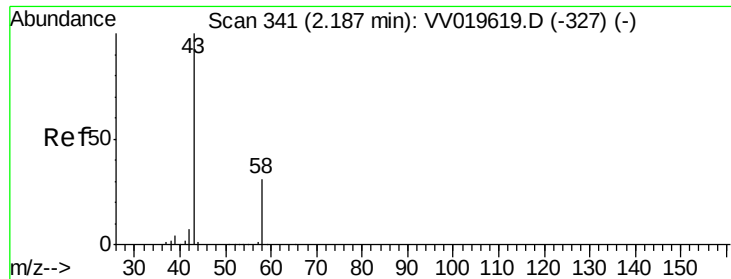


Abundance Ion 96.00 (95.70 to 96.70): VV019619.D (-308) (-)

Ion 61.00 (60.70 to 61.70): VV019619.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV019619.D (-308) (-)





#13

Acetone

Concen: 104.216 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

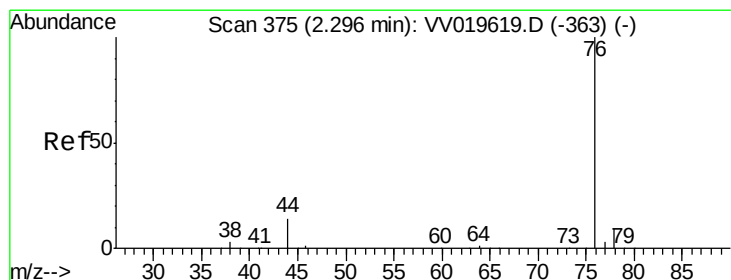
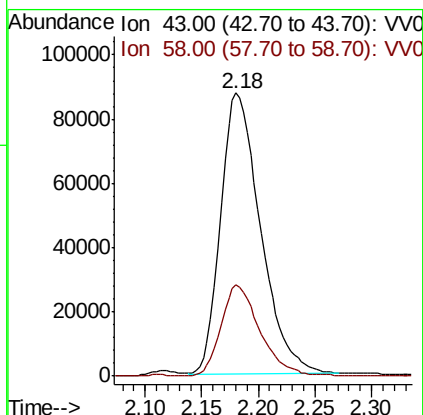
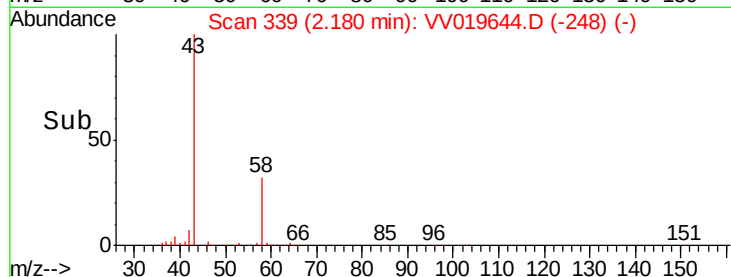
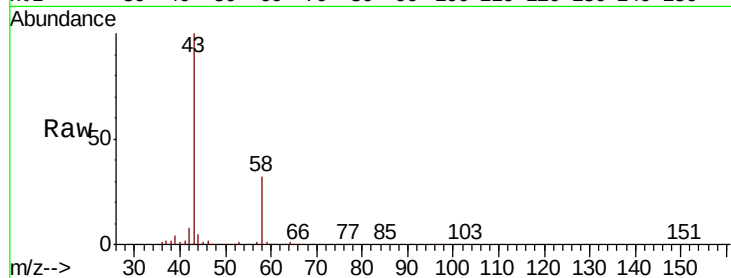
ClientSampleId :

Tot Ion: 43 Resp: 214393

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.6



#14

Carbon disulfide

Concen: 48.103 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019644.D

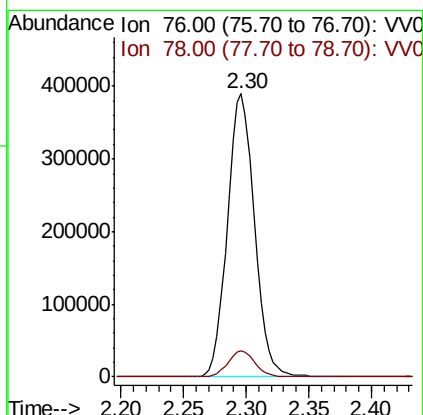
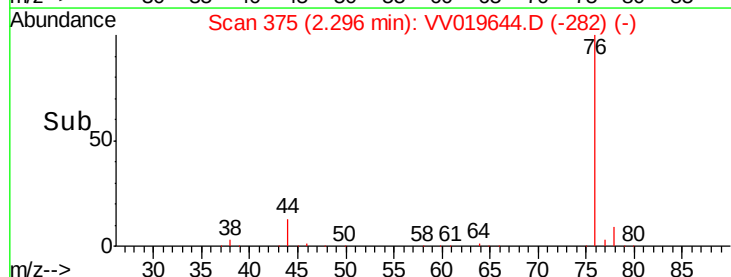
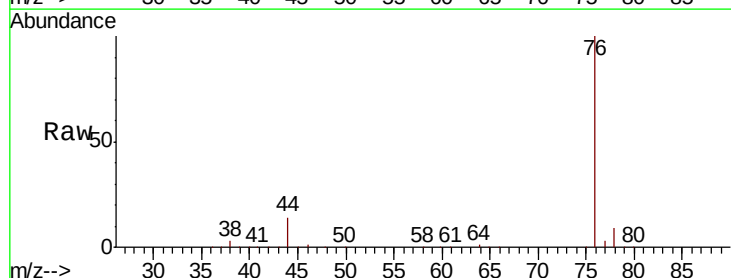
Acq: 15 Dec 2020 11:39

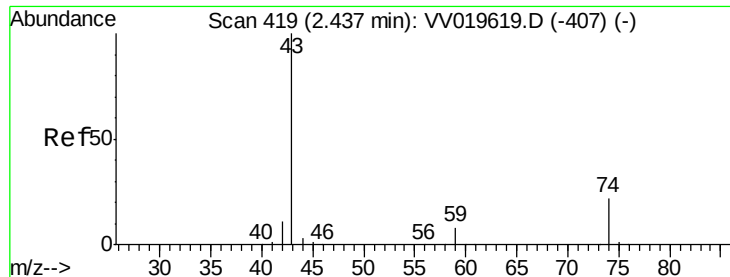
Tgt Ion: 76 Resp: 583392

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

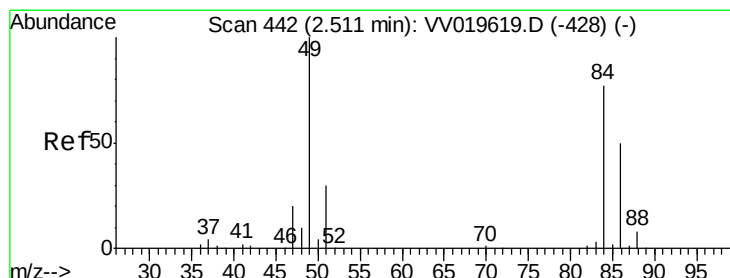
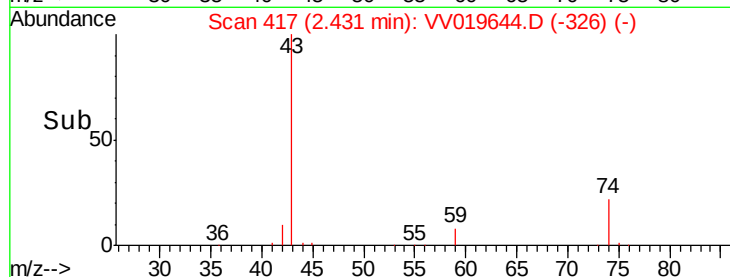
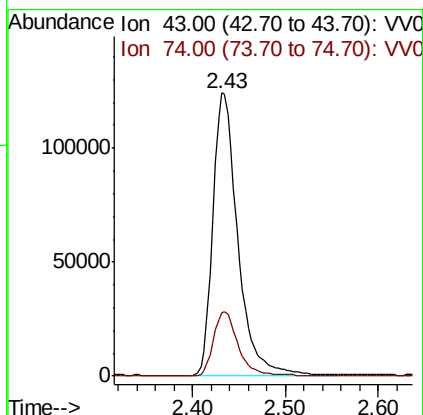
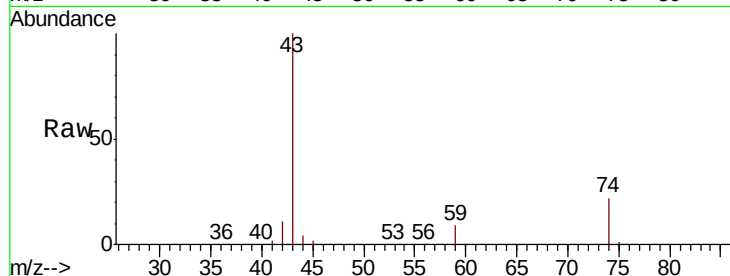




#15
Methvl Acetate
Concen: 51.319 ug/L
RT: 2.43 min Scan# 417
Delta R.T. -0.01 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

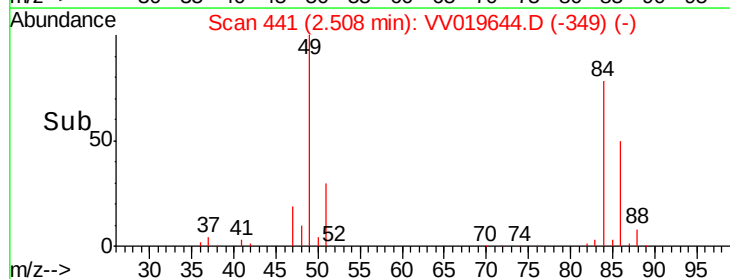
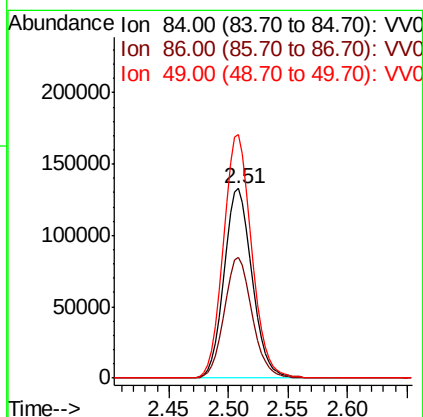
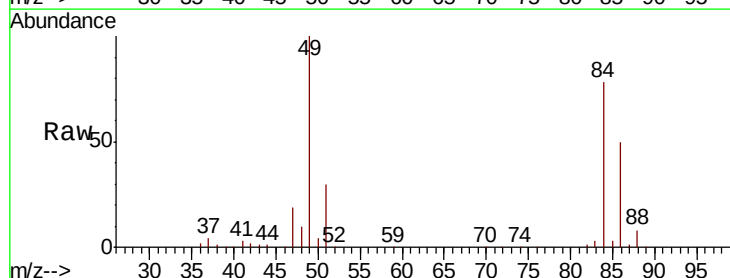
Instrument :
MSVOA_V
ClientSampled :

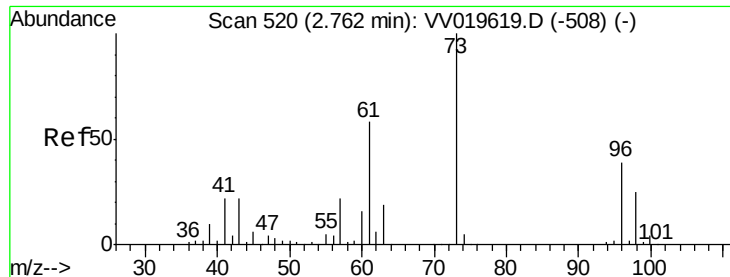
Tot Ion: 43 Resp: 230013
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#16
Methylene chloride
Concen: 50.300 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion: 84 Resp: 217677
Ion Ratio Lower Upper
84 100
86 64.0 45.7 84.9
49 128.5 90.6 168.3

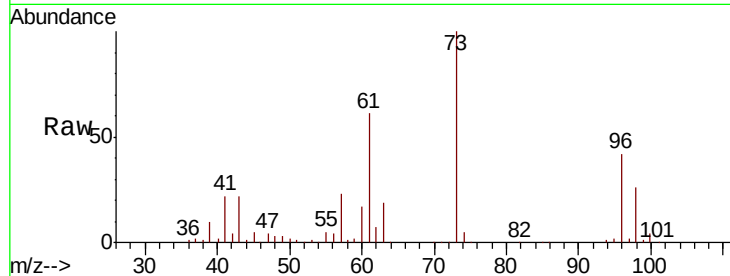




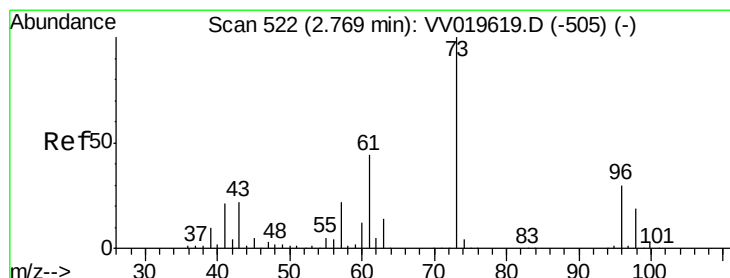
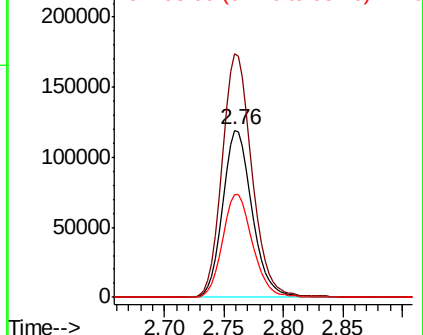
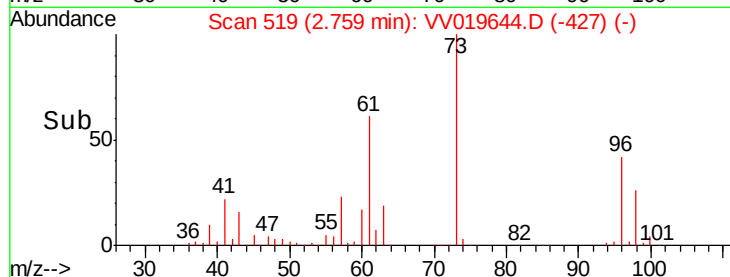
#17
trans-1,2-Dichloroethene
Concen: 50.652 ug/L
RT: 2.76 min Scan# 519
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 204918
Ion Ratio Lower Upper
96 100
61 145.5 103.5 192.1
98 61.8 44.4 82.5

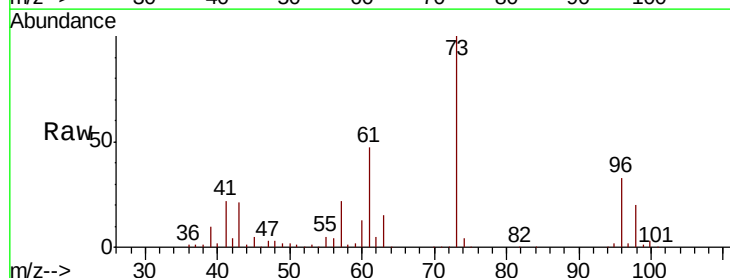


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

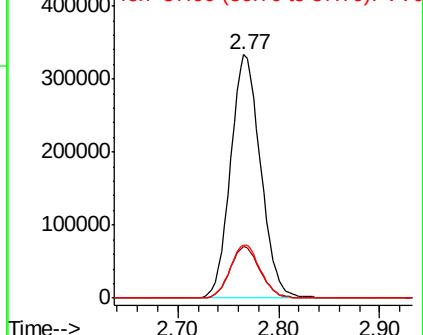
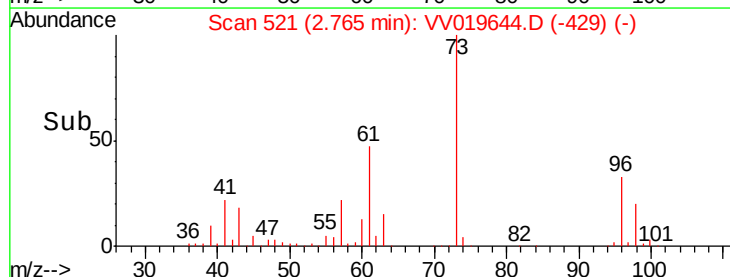


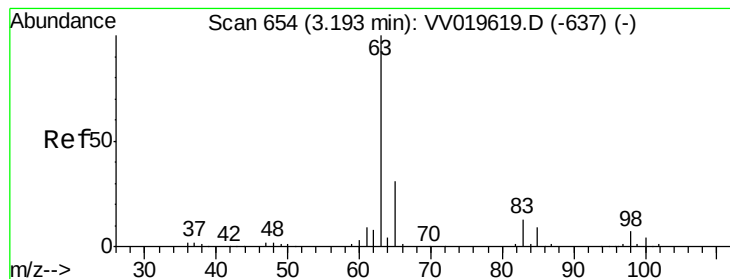
#18
Methyl tert-butyl Ether
Concen: 48.810 ug/L
RT: 2.77 min Scan# 521
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion: 73 Resp: 689998
Ion Ratio Lower Upper
73 100
43 20.9 17.3 25.9
57 21.9 17.5 26.3



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: 50.644 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

ClientSampled :

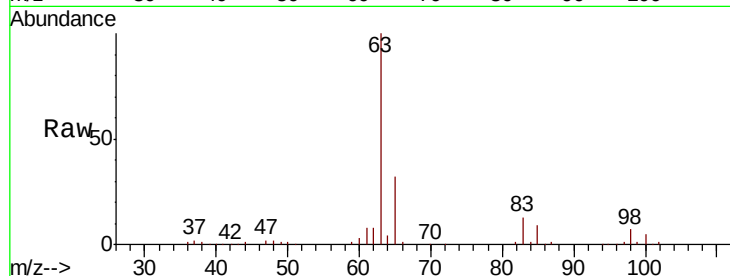
Tot Ion: 63 Resp: 397214

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

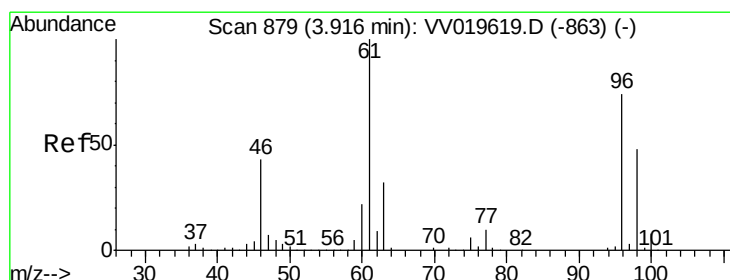
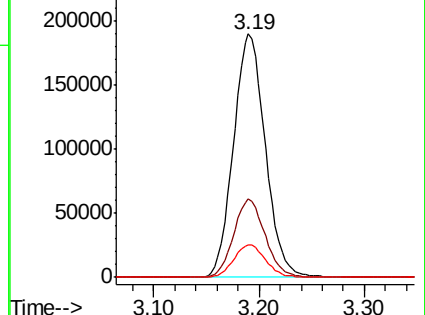
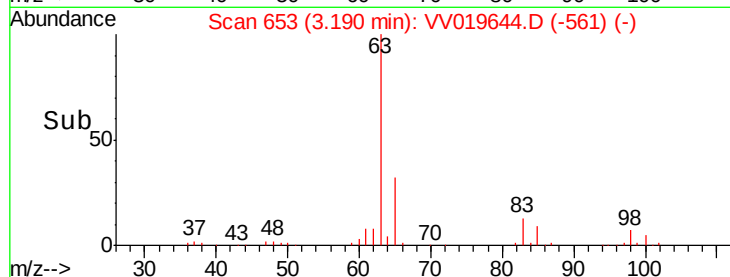
83 13.4 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019619.D (-637) (-)

Ion 65.00 (64.70 to 65.70): VV019619.D (-637) (-)

Ion 83.00 (82.70 to 83.70): VV019619.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.896 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

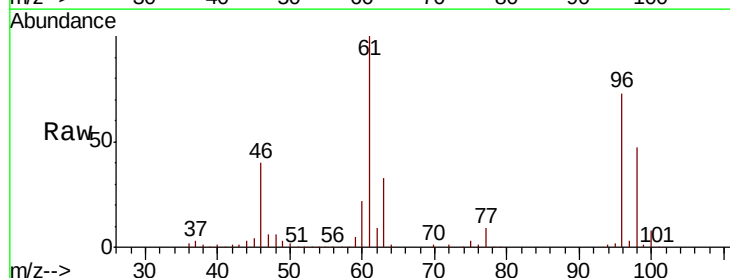
Tgt Ion: 96 Resp: 221902

Ion Ratio Lower Upper

96 100

61 136.8 94.1 174.8

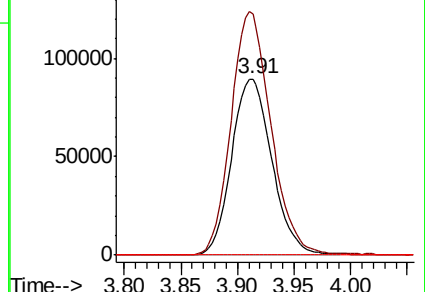
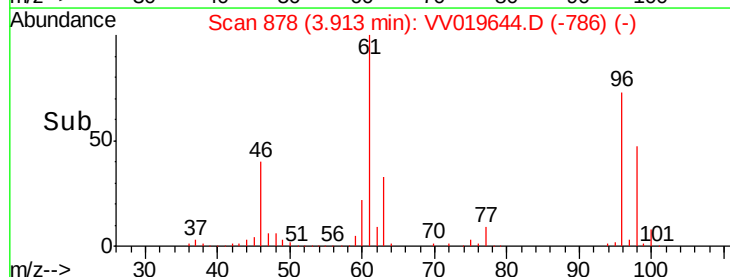
68 0.0 0.1 0.1#

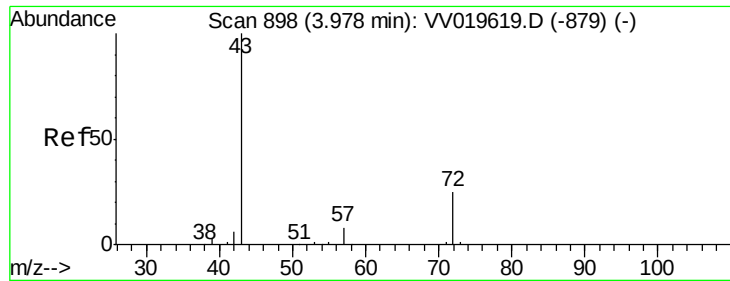


Abundance Ion 96.00 (95.70 to 96.70): VV019619.D (-863) (-)

Ion 61.00 (60.70 to 61.70): VV019619.D (-863) (-)

Ion 68.00 (67.70 to 68.70): VV019619.D (-863) (-)





#22

2-Butanone

Concen: 107.556 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.01 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

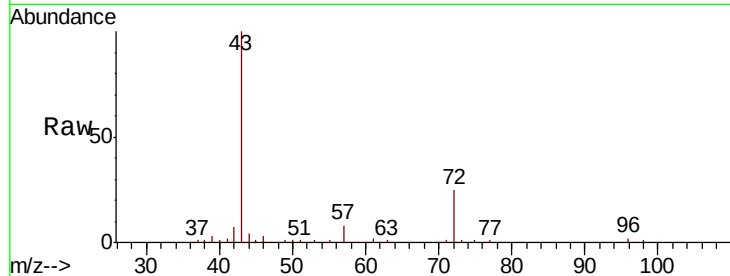
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 324564

Ion Ratio Lower Upper

43 100

72 23.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019619.D (-879) (-)

Ion 72.00 (71.70 to 72.70): VV019619.D (-879) (-)

3.97

120000

100000

80000

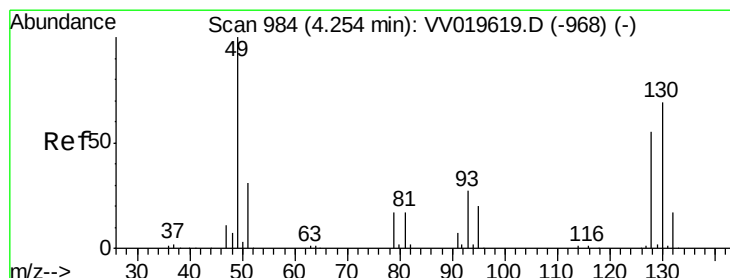
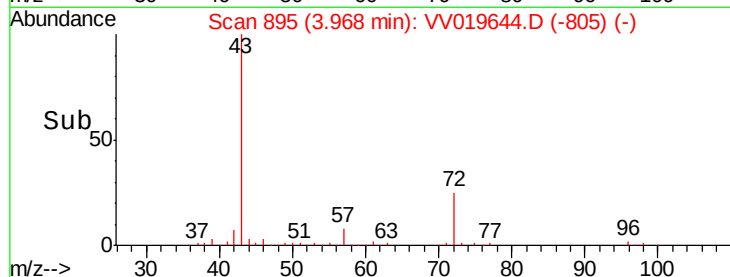
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 49.265 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Tgt Ion:128 Resp: 107801

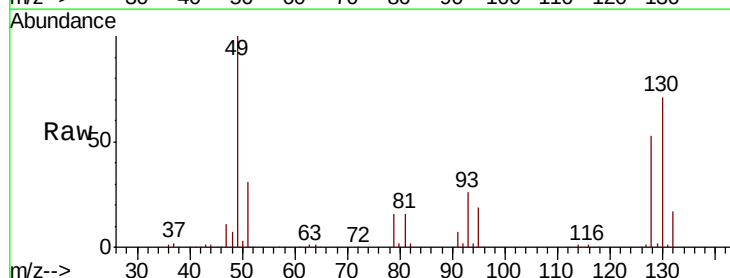
Ion Ratio Lower Upper

128 100

49 187.9 127.0 235.8

130 133.2 90.3 167.7

51 57.9 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019619.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV019619.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV019619.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV019619.D (-968) (-)

120000

100000

80000

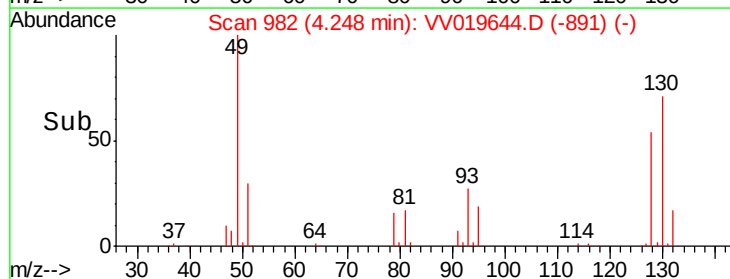
60000

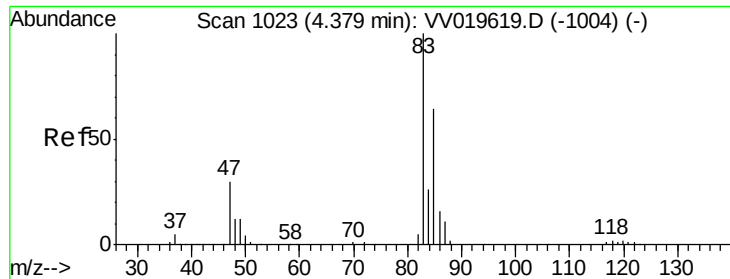
40000

20000

0

Time-->

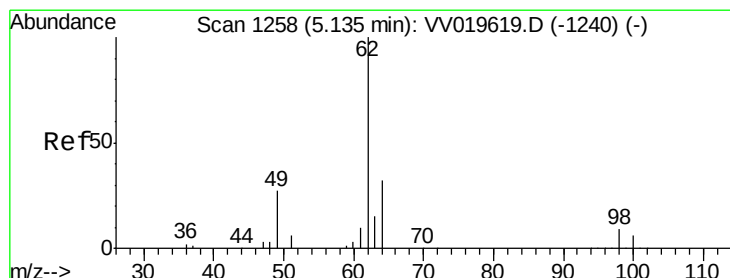
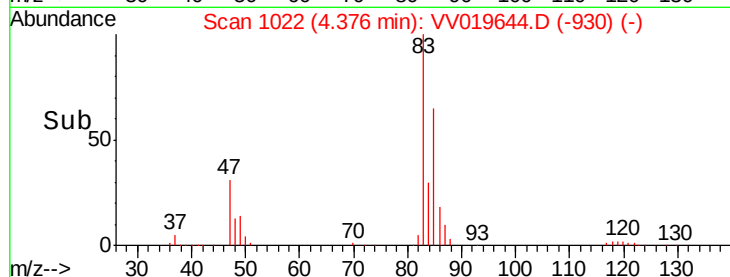
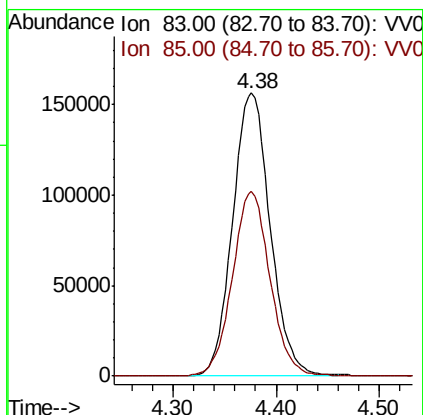
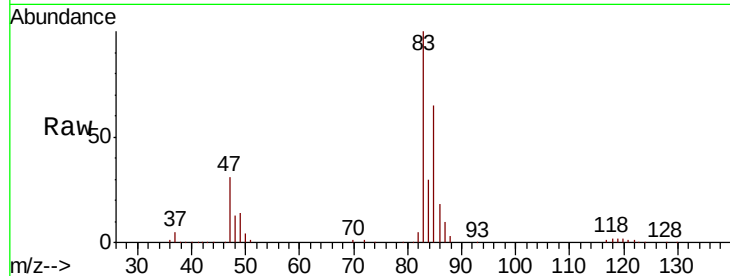




#25
Chloroform
Concen: 50.713 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

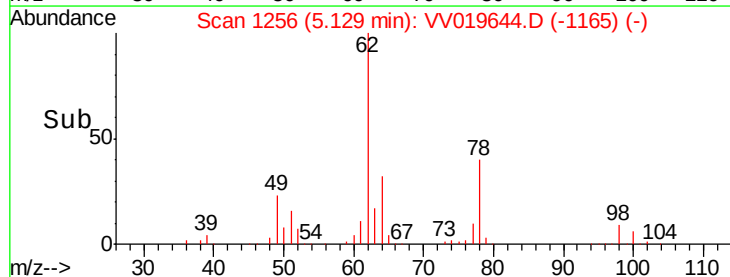
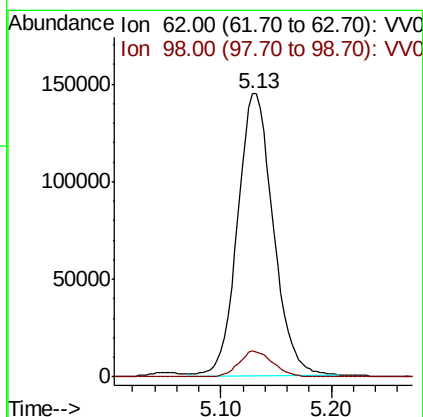
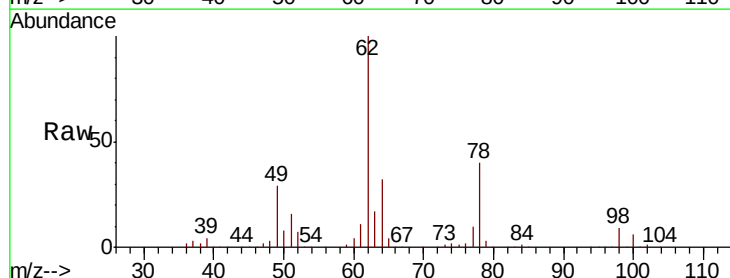
Instrument :
MSVOA_V
ClientSampleId :

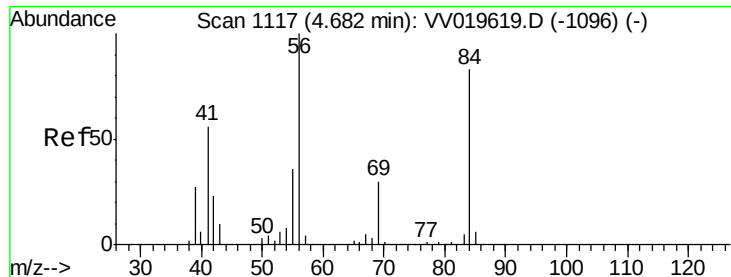
Tot Ion: 83 Resp: 397251
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.800 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion: 62 Resp: 323175
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0

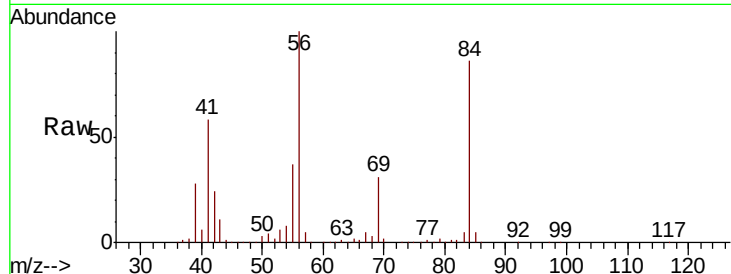




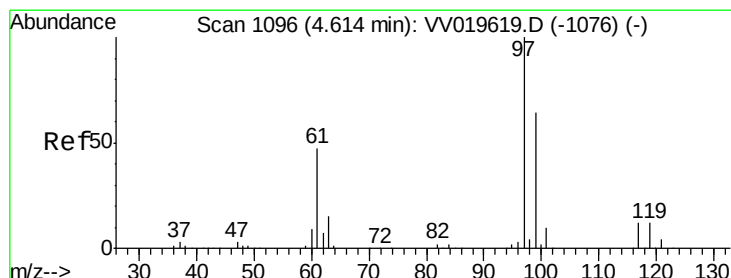
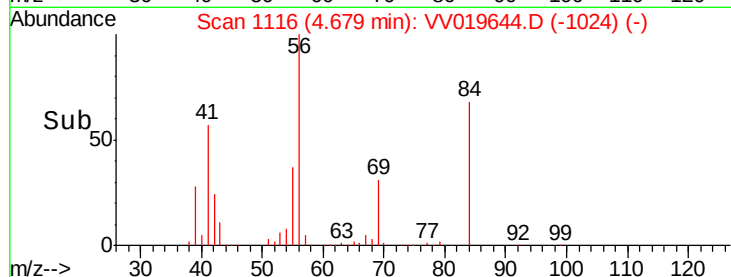
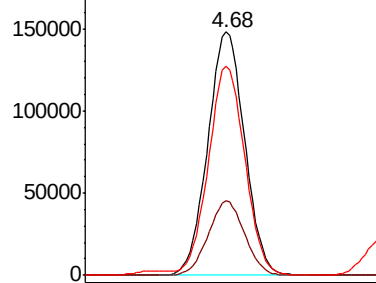
#29
Cyclohexane
Concen: 51.593 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 368510
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 84.7 68.2 102.4

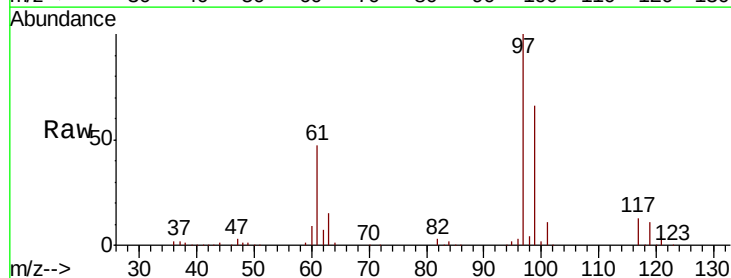


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

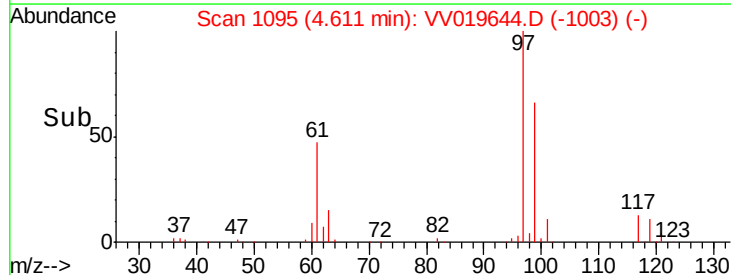
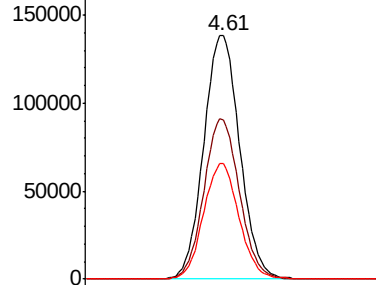


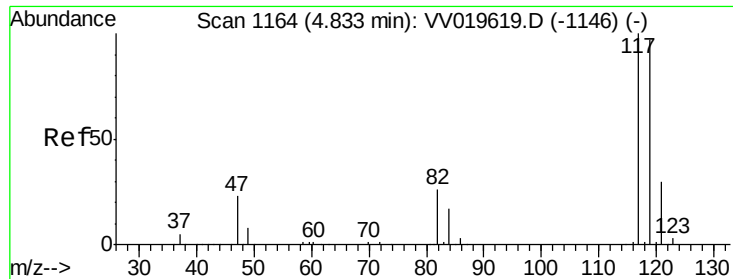
#30
1,1,1-Trichloroethane
Concen: 48.010 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion: 97 Resp: 350830
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 46.9 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.043 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

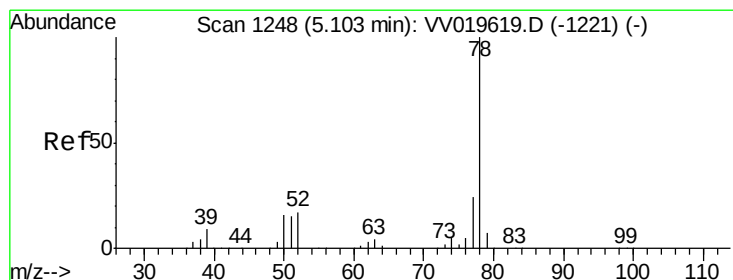
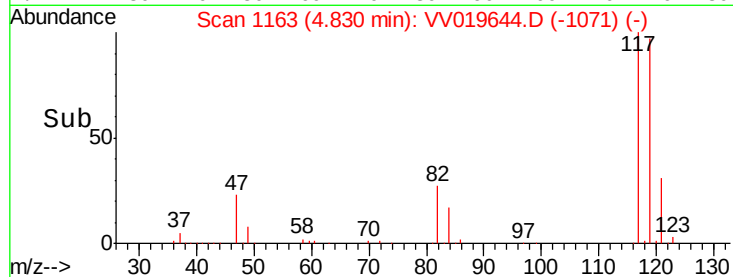
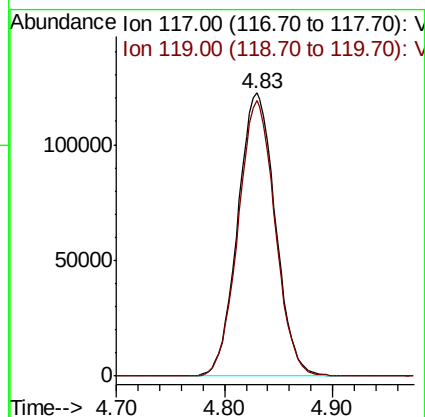
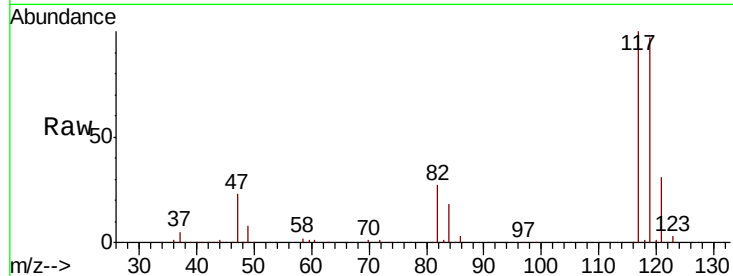
ClientSampleId :

Tot Ion:117 Resp: 296364

Ion Ratio Lower Upper

117 100

119 95.8 75.7 113.5



#33

Benzene

Concen: 49.855 ug/L

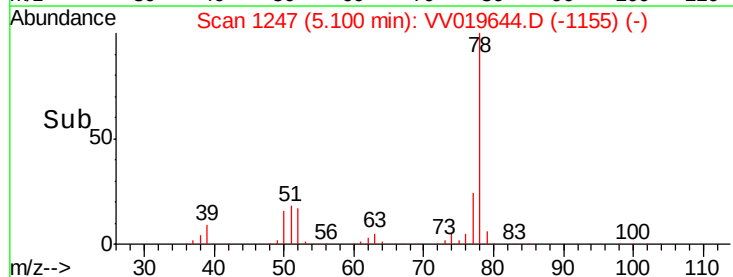
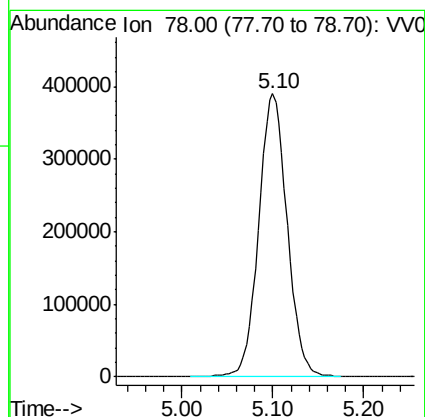
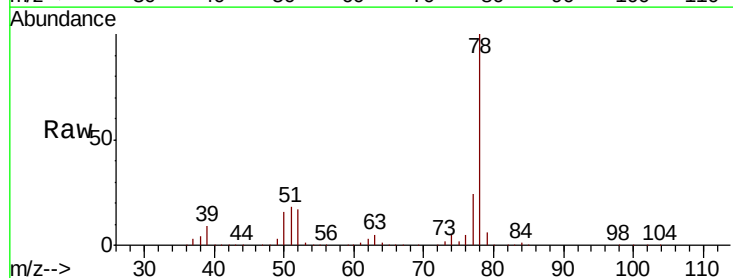
RT: 5.10 min Scan# 1247

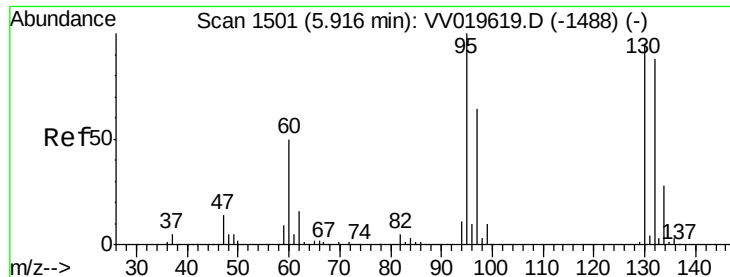
Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Tgt Ion: 78 Resp: 849142





#34

Trichloroethene

Concen: 49.808 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 224098

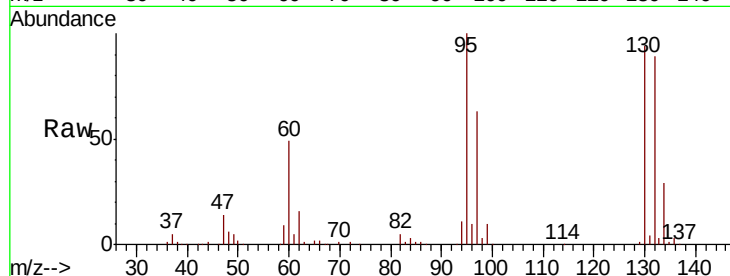
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 88.8 64.3 119.3

130 94.5 67.8 125.8

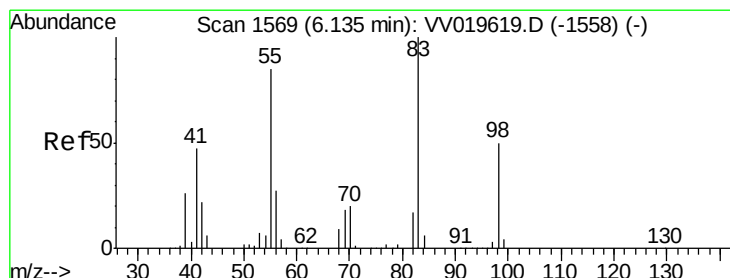
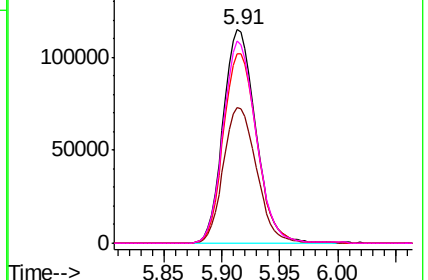
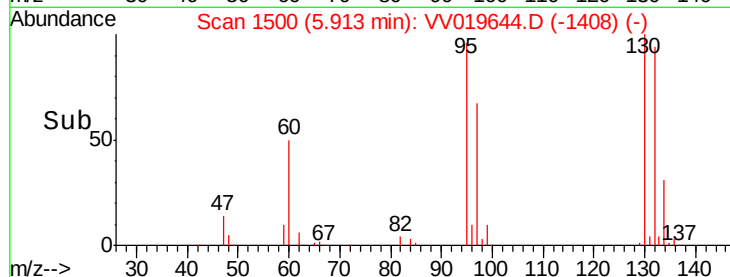


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.780 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

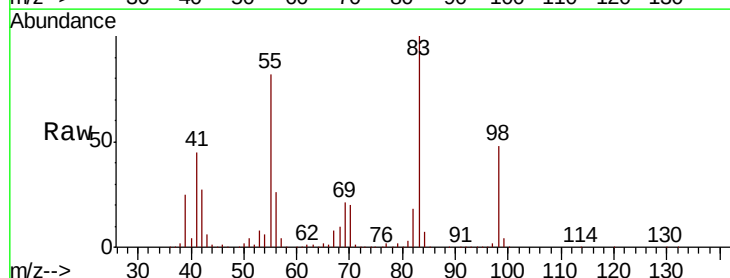
Tgt Ion: 83 Resp: 374431

Ion Ratio Lower Upper

83 100

55 80.0 64.2 96.4

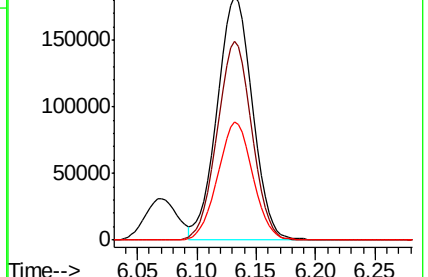
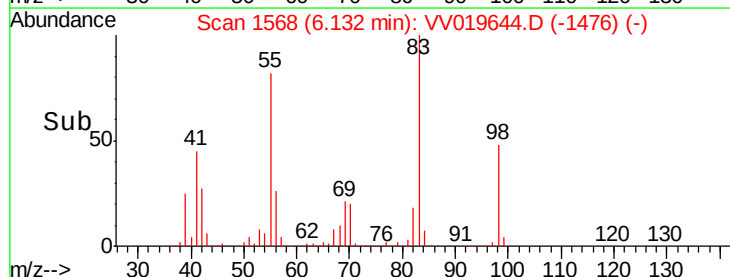
98 48.1 39.3 58.9

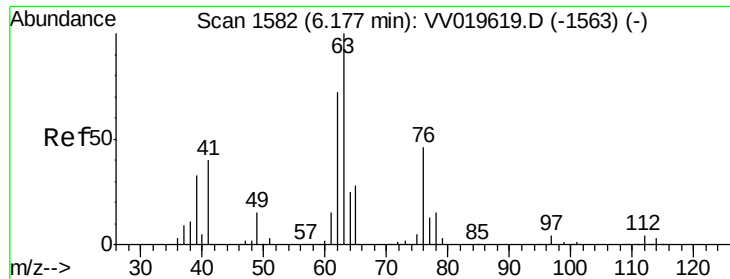


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

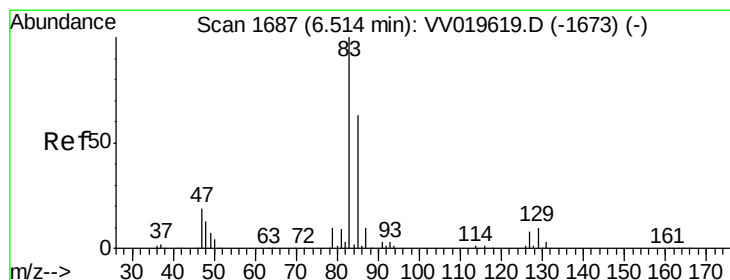
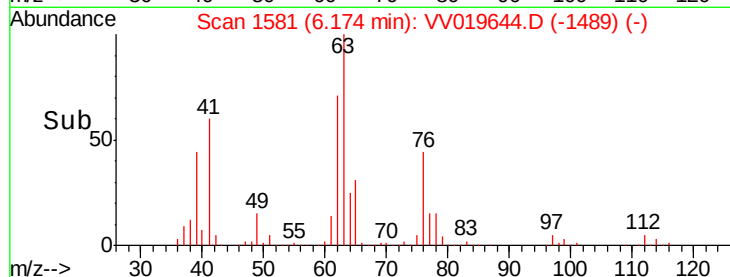
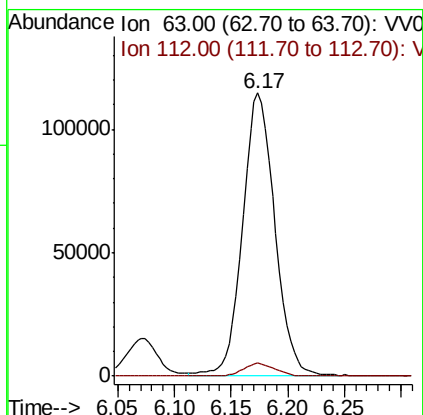
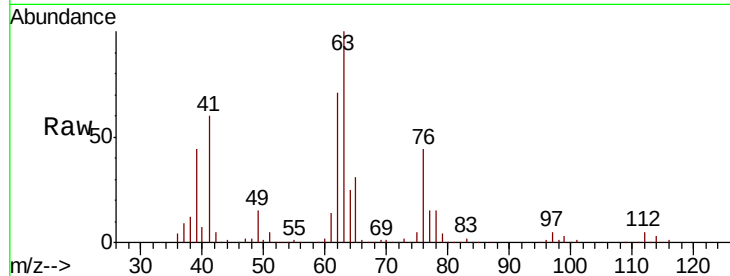




#37
 1,2-Dichloropropane
 Concen: 51.194 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

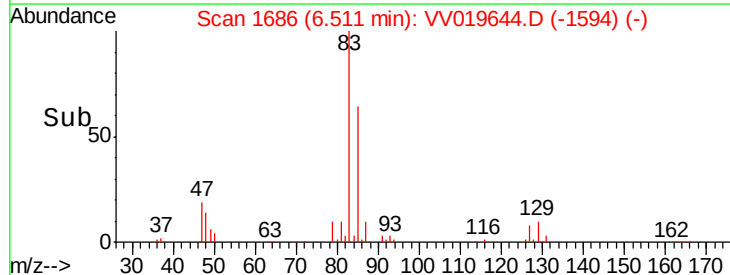
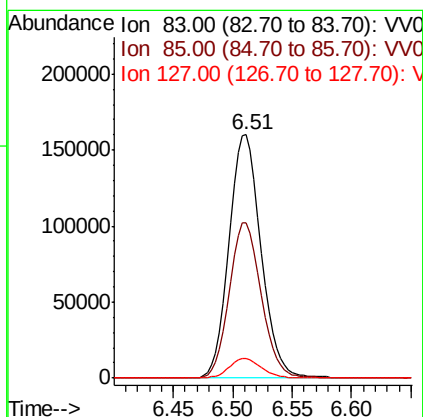
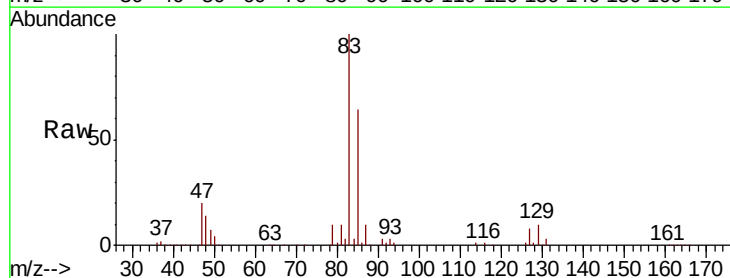
Instrument :
 MSVOA_V
 ClientSampled :

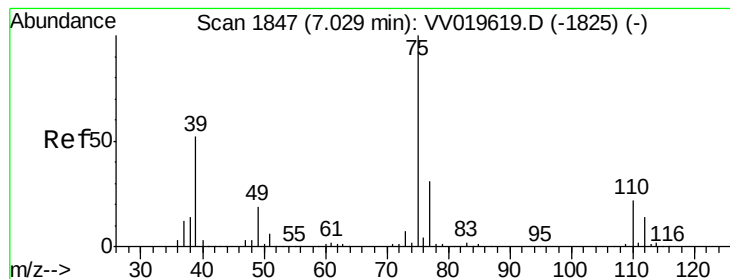
Tot Ion: 63 Resp: 227709
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.145 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion: 83 Resp: 299449
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.9 83.5
 127 7.9 6.7 10.1



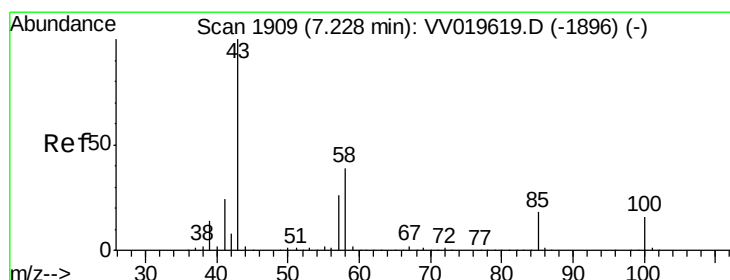
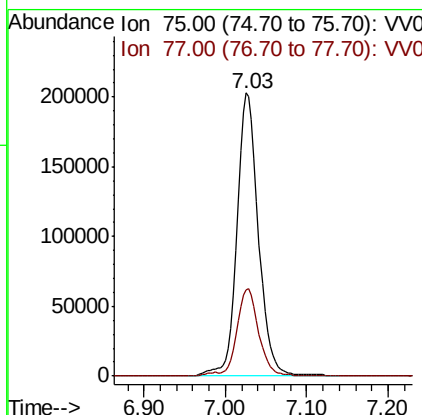
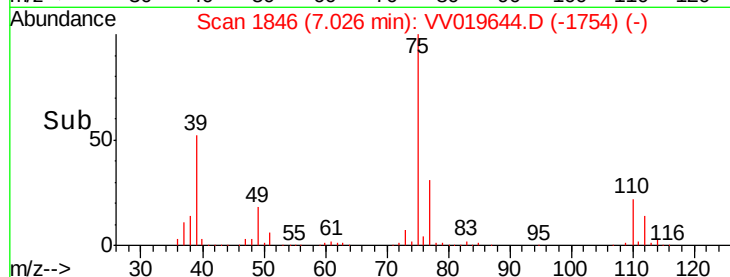
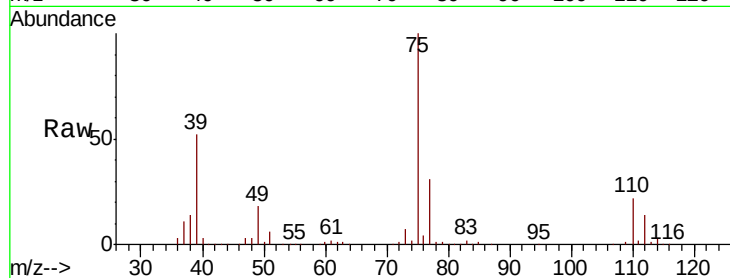


#39

cis-1,3-Dichloropropene
 Concen: 50.381 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Instrument :
 MSVOA_V
 ClientSampled :

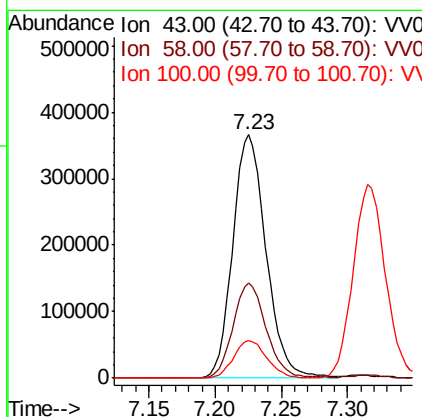
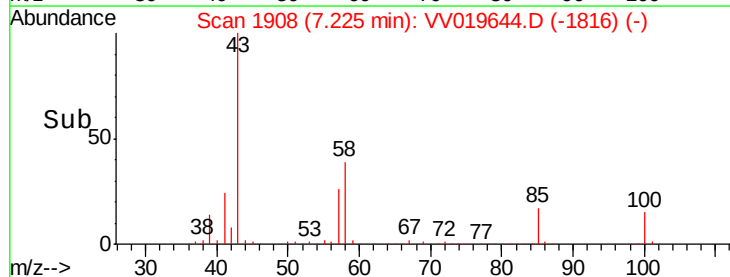
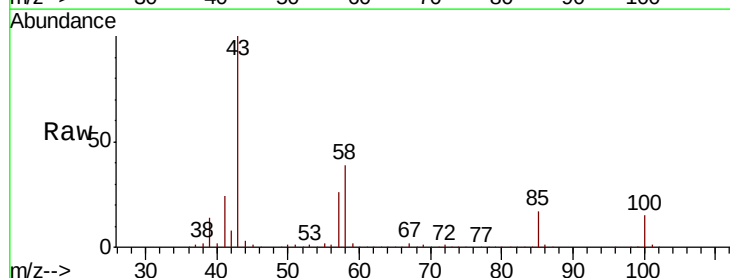
Tot Ion: 75 Resp: 372182
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 41.6

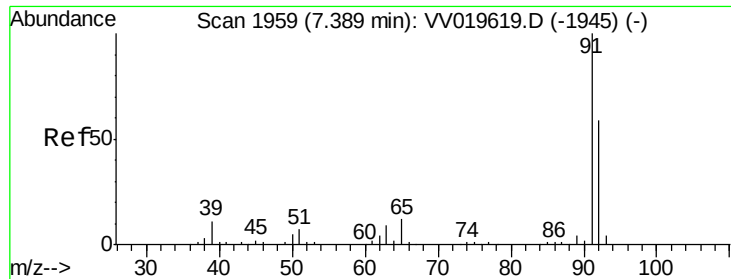


#40

4-Methyl-2-pentanone
 Concen: 99.378 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion: 43 Resp: 637722
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 15.5 12.5 18.7





#42

Toluene

Concen: 50.116 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

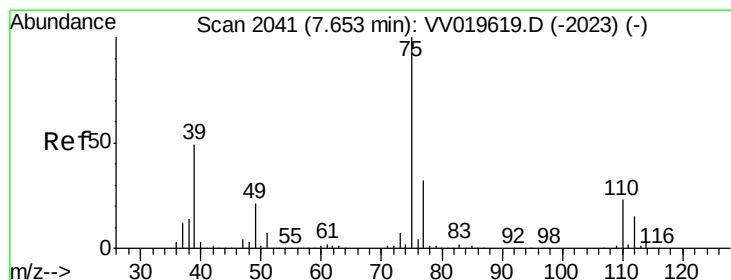
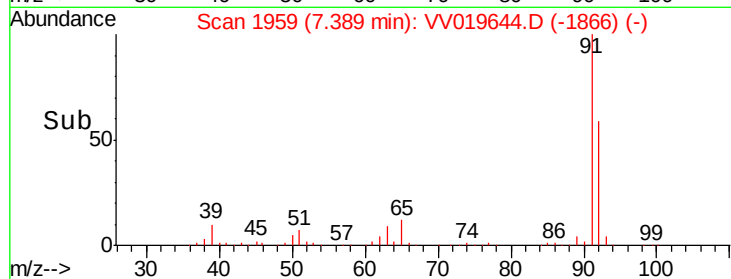
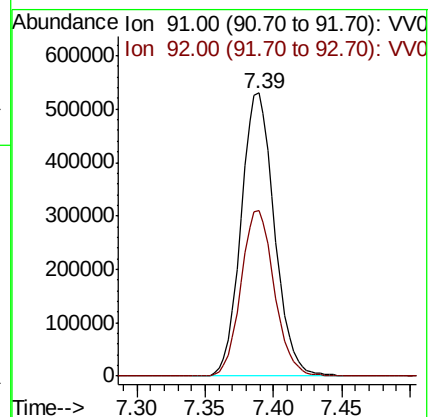
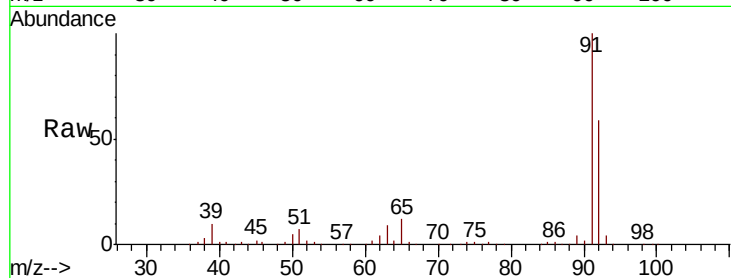
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 899643

Ion Ratio Lower Upper

91 100

92 58.5 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 47.441 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.00 min

Lab File: VV019644.D

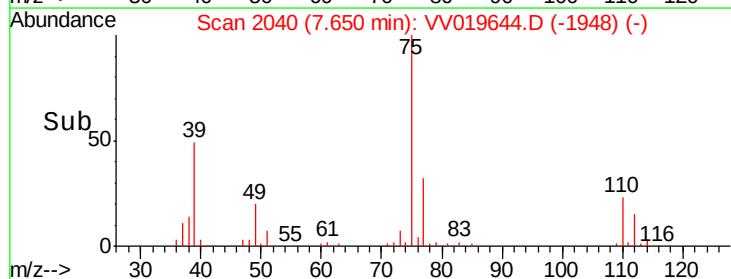
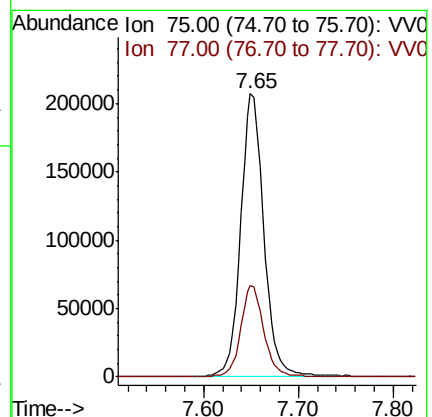
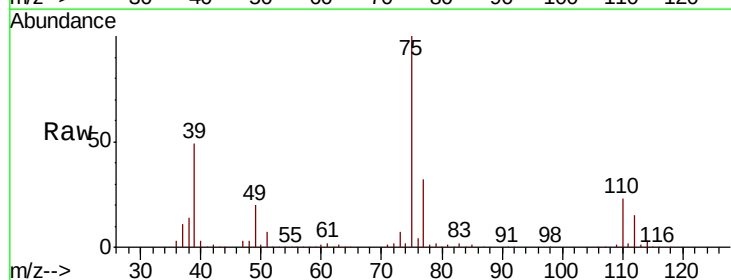
Acq: 15 Dec 2020 11:39

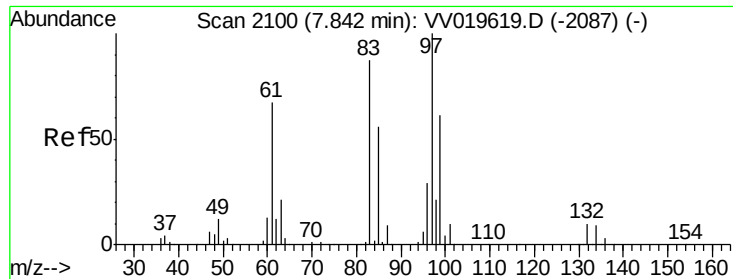
Tgt Ion: 75 Resp: 354871

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9

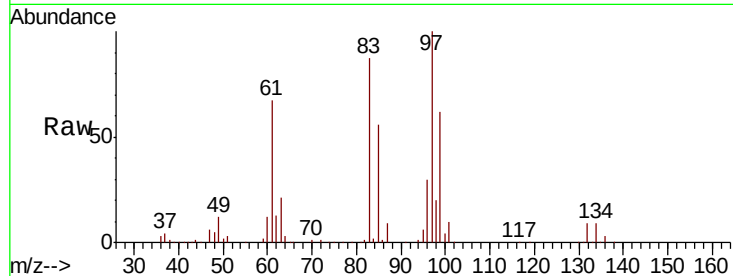




#45
1,1,2-Trichloroethane
Concen: 48.870 ug/L
RT: 7.84 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	206420
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.1	81.9
83	86.8	60.0	111.4
85	56.1	38.6	71.8



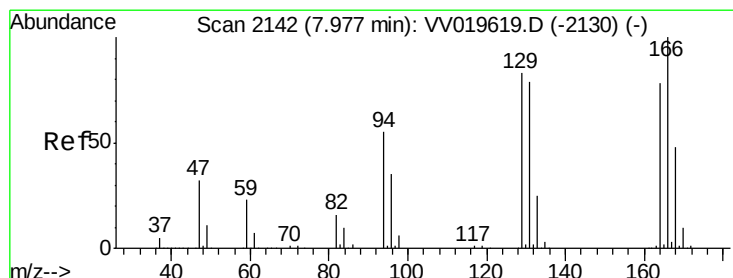
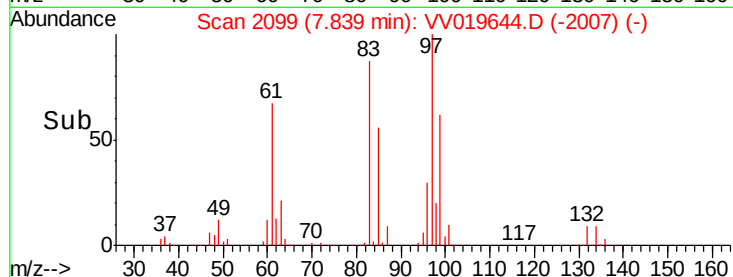
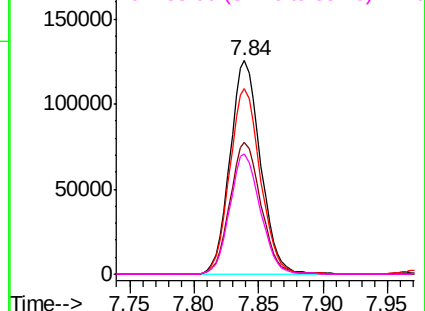
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

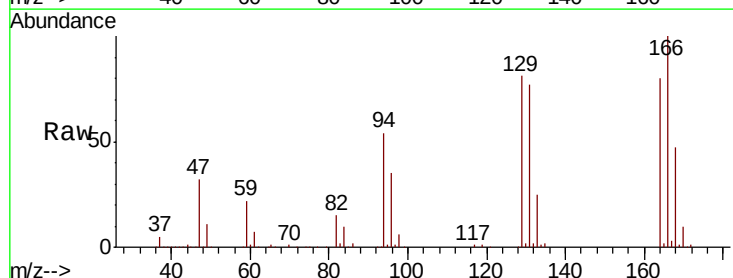
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 50.590 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion:	164	Resp:	157502
Ion	Ratio	Lower	Upper
164	100		
129	101.0	70.6	131.0
131	96.0	68.0	126.4
166	125.1	86.9	161.5



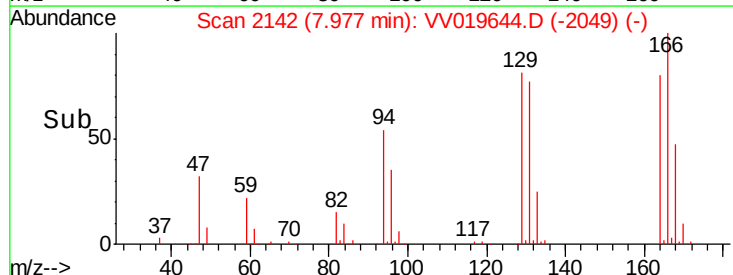
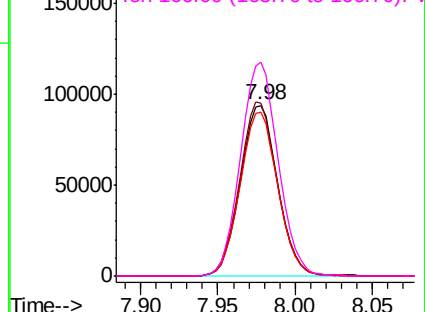
Abundance

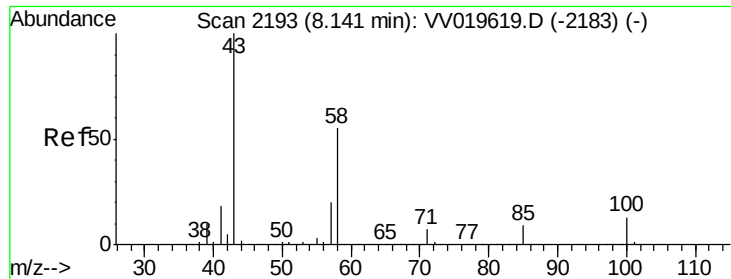
Ion 164.00 (163.70 to 164.70): V

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

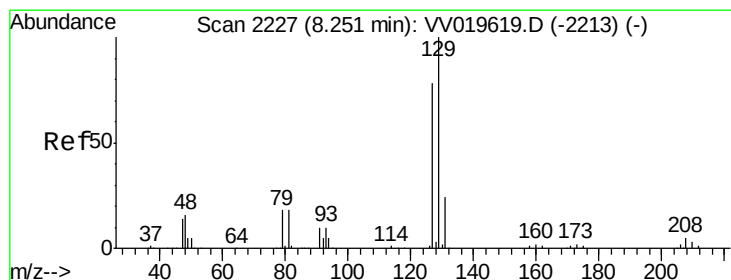
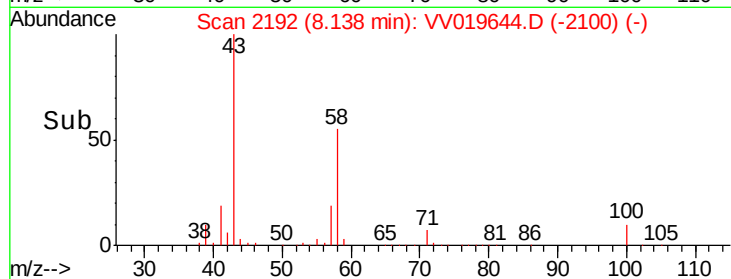
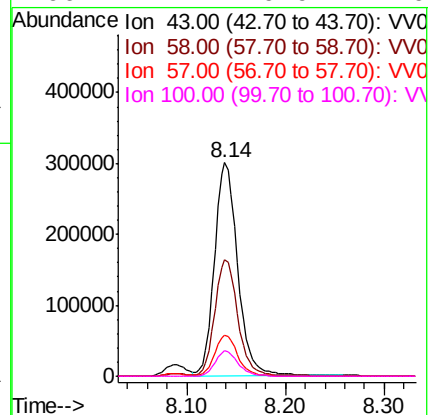
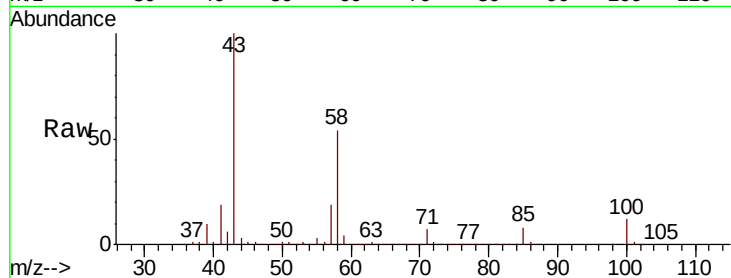




#48
2-Hexanone
Concen: 101.252 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

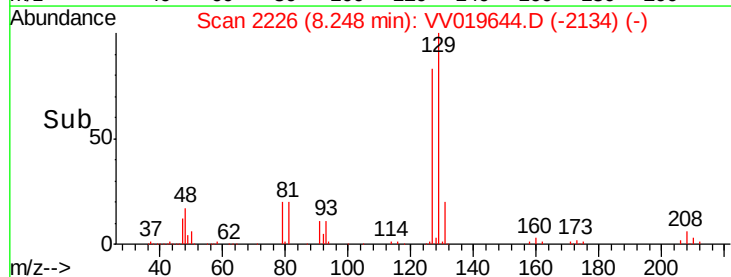
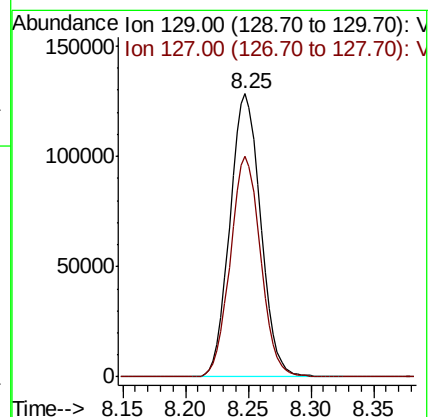
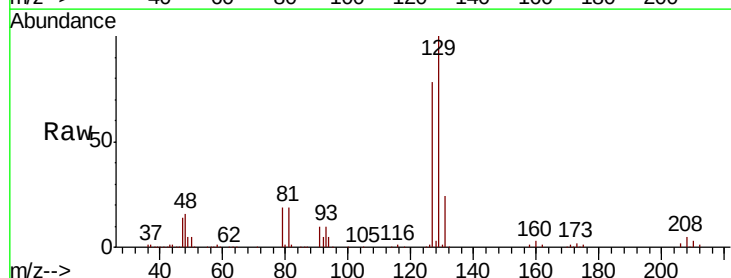
Instrument :
MSVOA_V
ClientSampleId :

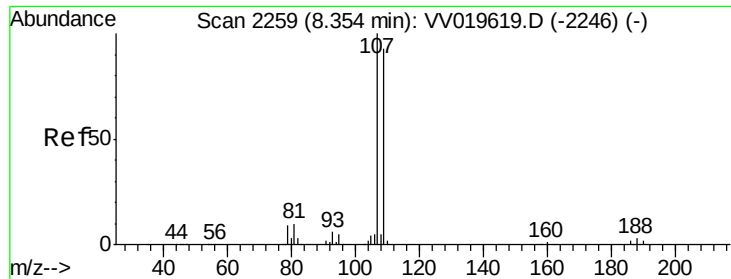
Tot Ion: 43 Resp: 493013
Ion Ratio Lower Upper
43 100
58 54.3 44.4 66.6
57 18.9 15.7 23.5
100 12.1 9.9 14.9



#49
Dibromochloromethane
Concen: 47.282 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. -0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion: 129 Resp: 218715
Ion Ratio Lower Upper
129 100
127 78.0 54.2 100.6

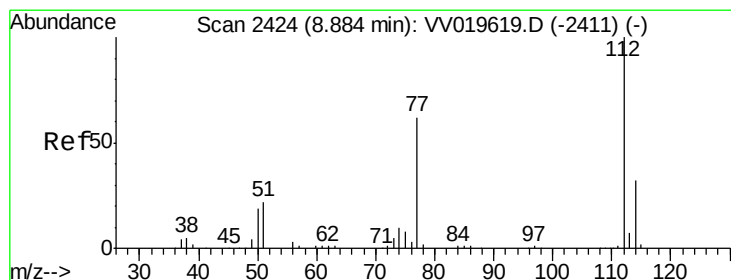
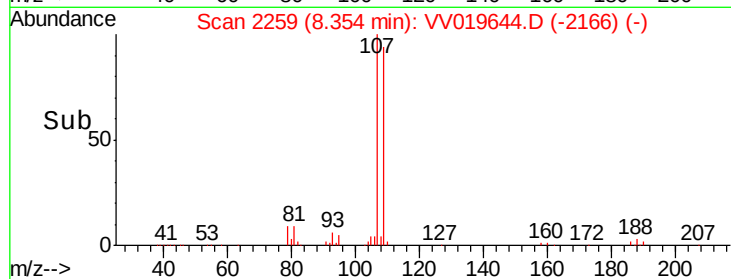
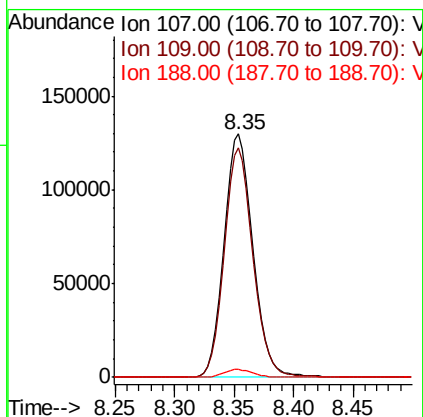
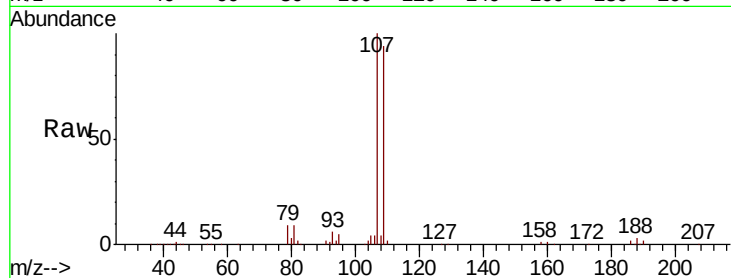




#50
 1,2-Dibromoethane
 Concen: 49.094 ug/L
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

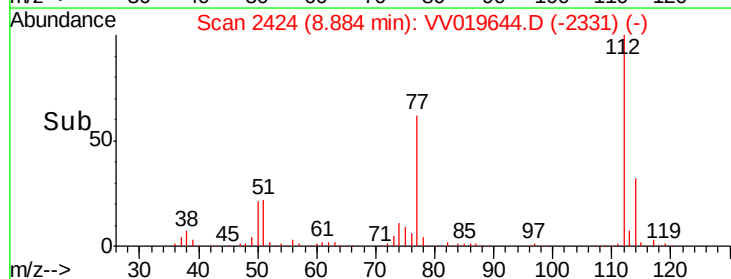
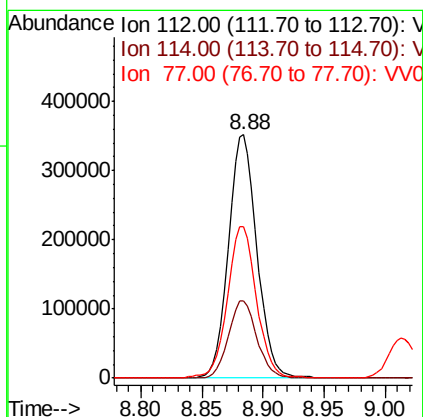
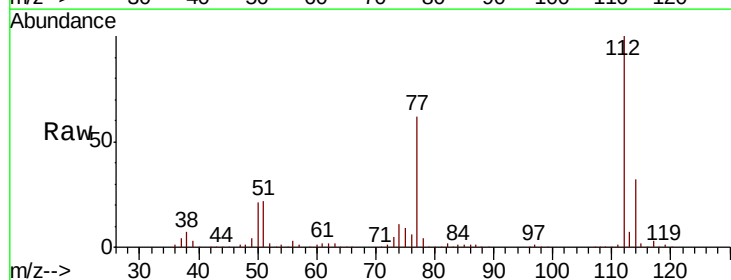
Instrument :
 MSVOA_V
 ClientSampleId :

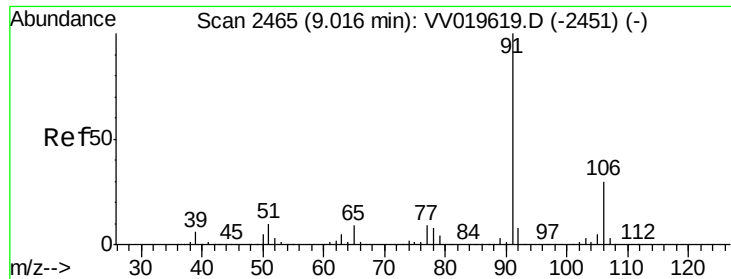
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.4	123.2
188	3.3	2.9	4.3



#51
 Chlorobenzene
 Concen: 50.063 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	62.4	50.6	75.8





#52

Ethylbenzene

Concen: 50.409 ug/L

RT: 9.01 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

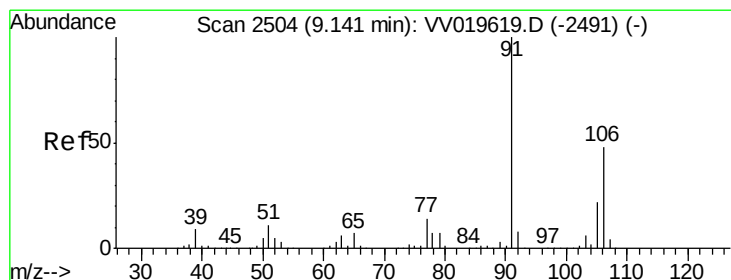
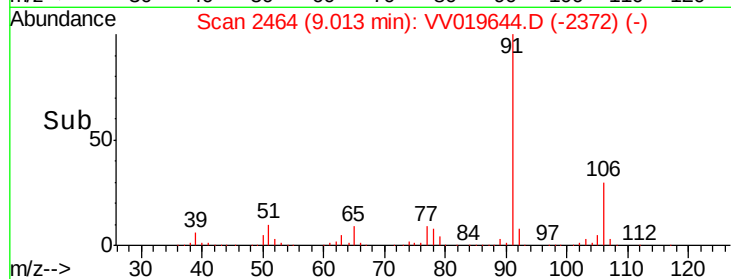
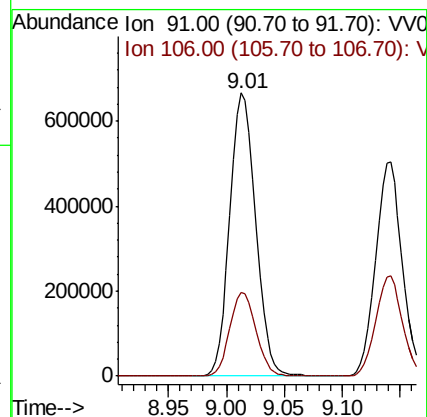
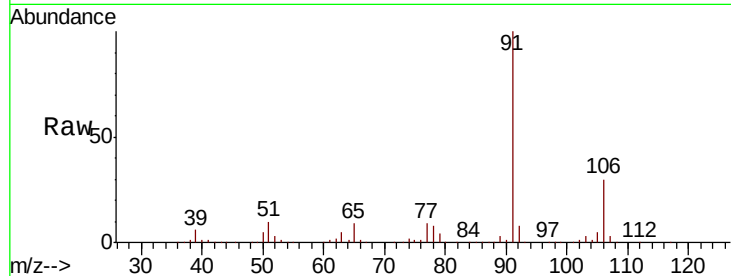
ClientSampleId :

Tot Ion: 91 Resp: 1030995

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



#53

m,p-Xylene

Concen: 49.930 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019644.D

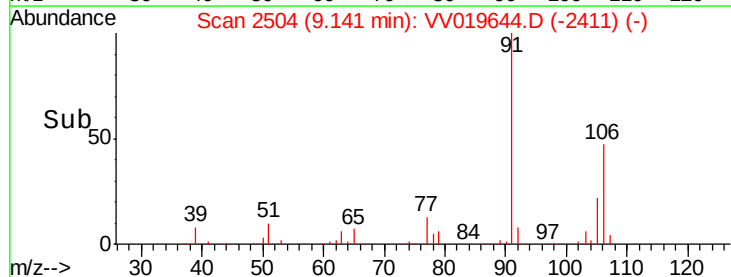
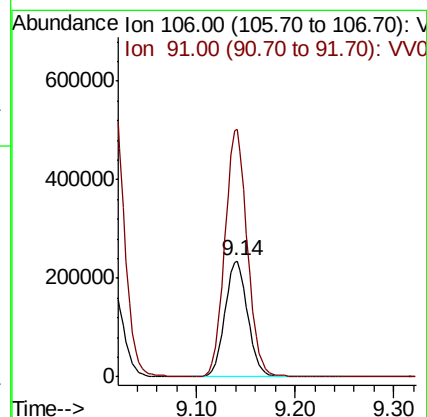
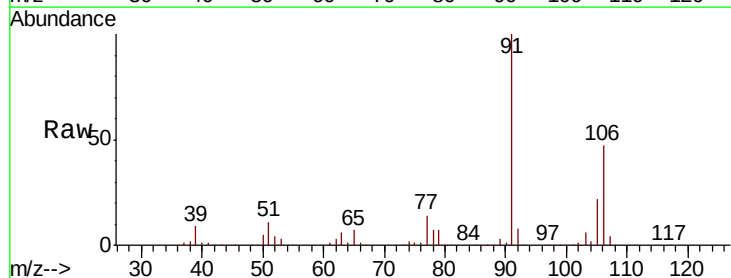
Acq: 15 Dec 2020 11:39

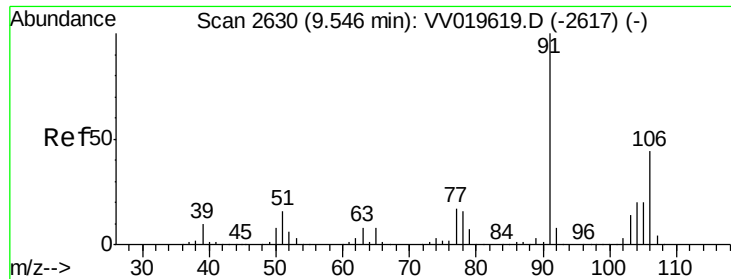
Tgt Ion: 106 Resp: 381515

Ion Ratio Lower Upper

106 100

91 213.9 147.7 274.3

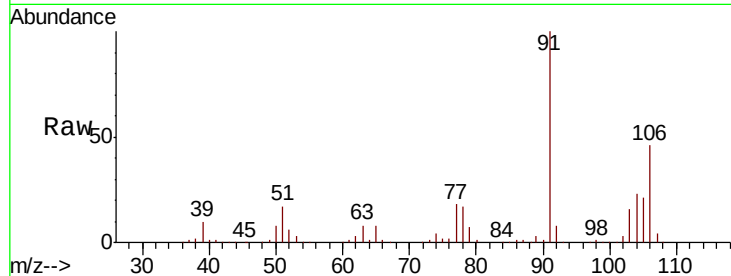




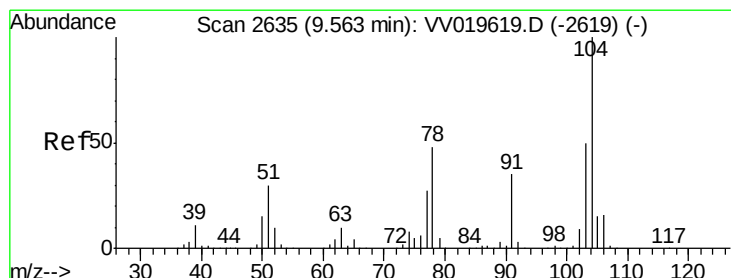
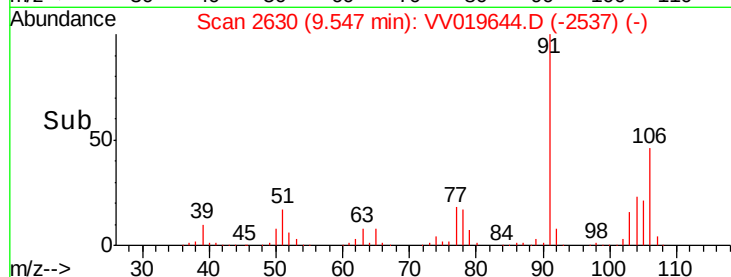
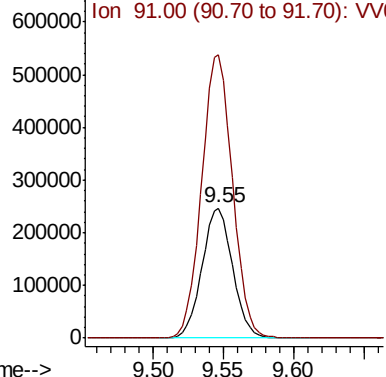
#54
o-xylene
Concen: 49.997 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 374455
Ion Ratio Lower Upper
106 100
91 218.0 156.7 291.1

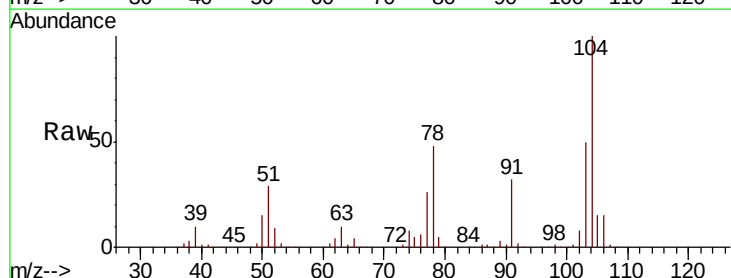


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

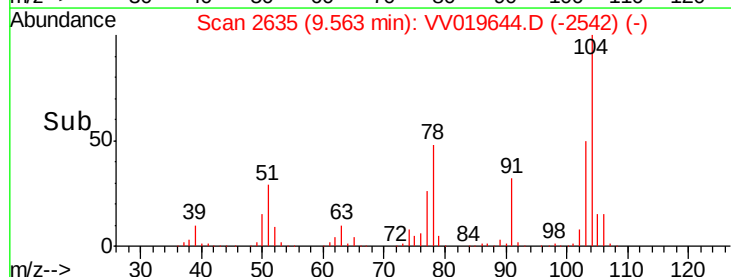
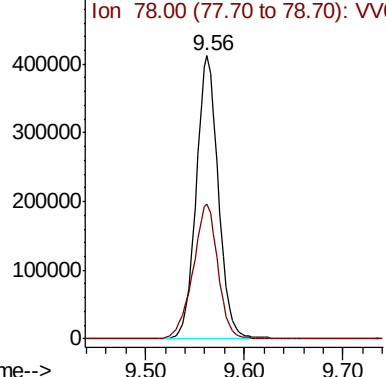


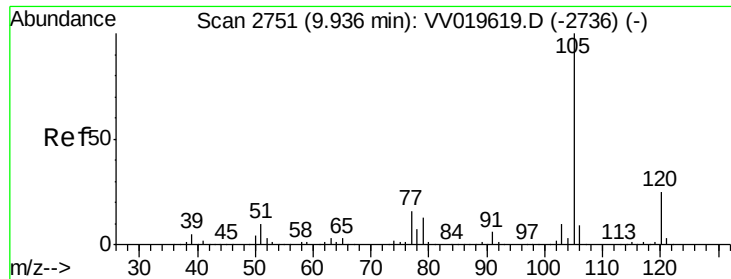
#55
Styrene
Concen: 49.908 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019644.D
Acq: 15 Dec 2020 11:39

Tgt Ion:104 Resp: 651473
Ion Ratio Lower Upper
104 100
78 47.9 33.7 62.7



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





#56

Isopropylbenzene

Concen: 50.865 ug/L

RT: 9.93 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

ClientSampled :

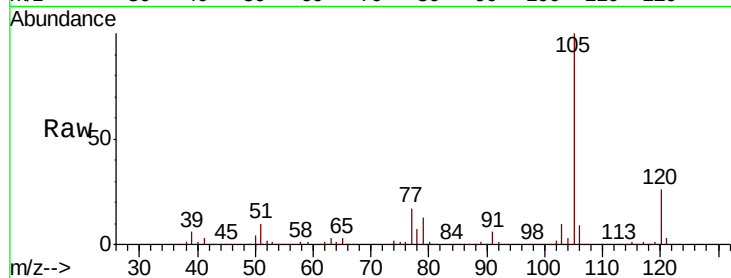
Tot Ion:105 Resp: 1014895

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

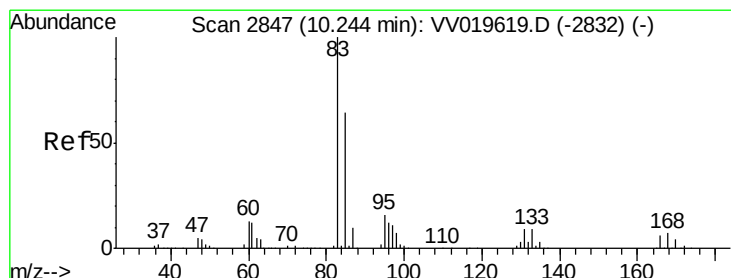
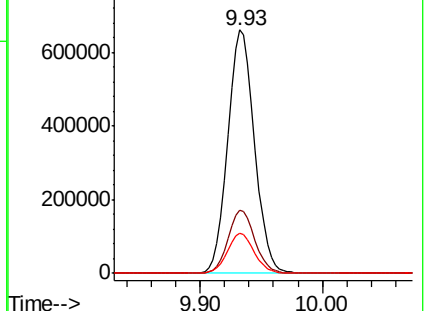
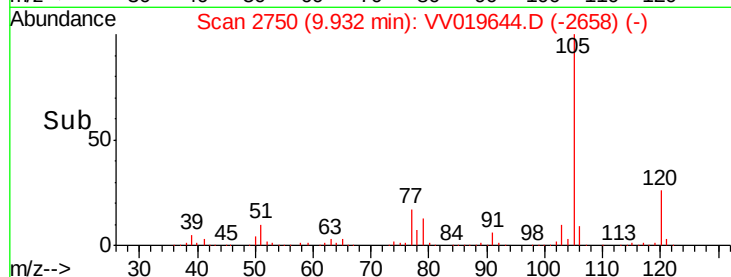
77 16.5 13.2 19.8



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: 48.688 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

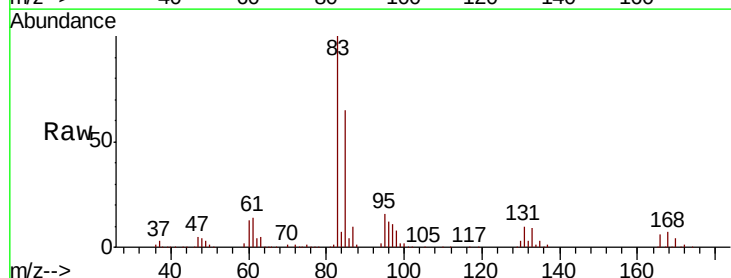
Tgt Ion: 83 Resp: 330718

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

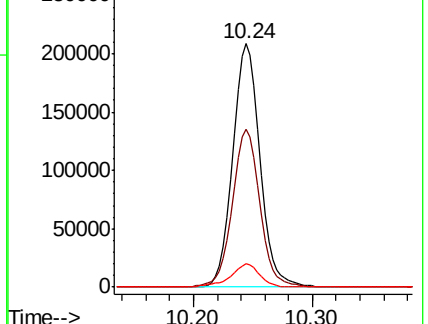
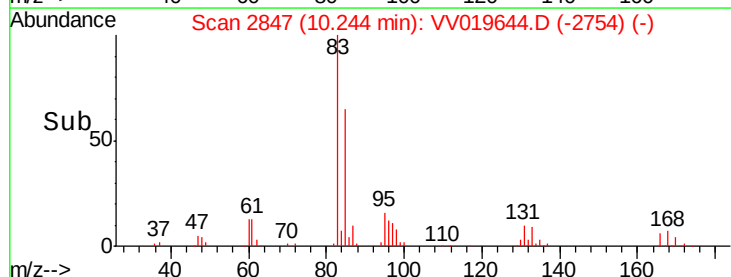
131 9.5 7.6 11.4

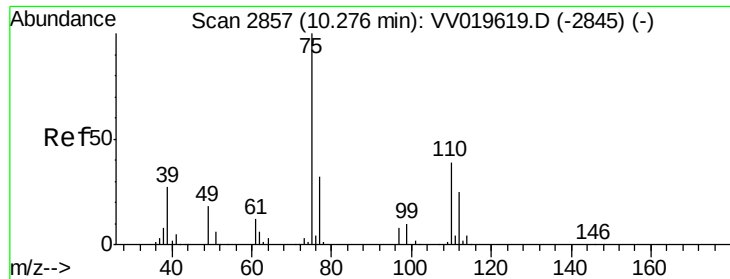


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.693 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

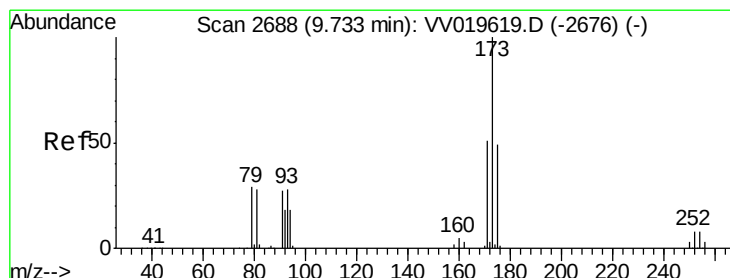
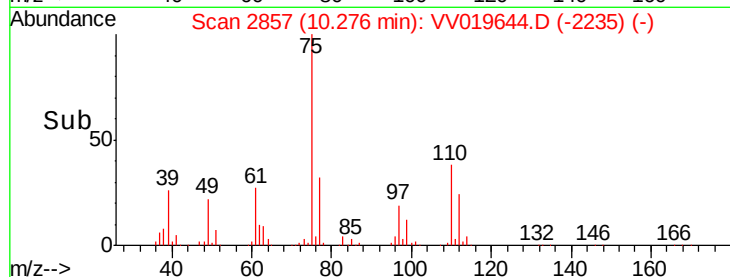
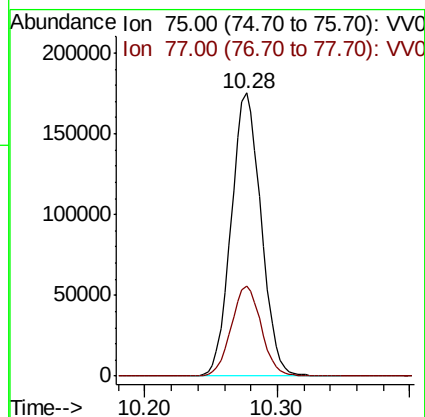
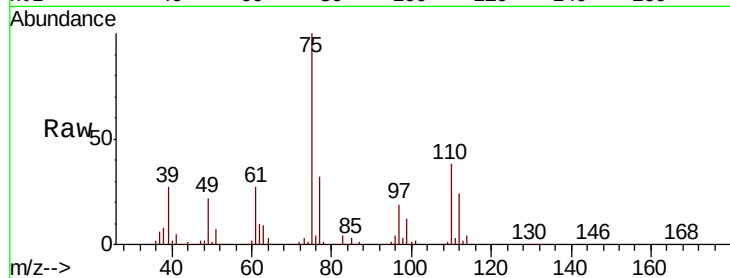
ClientSampleId :

Tot Ion: 75 Resp: 274929

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#61

Bromoform

Concen: 44.050 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

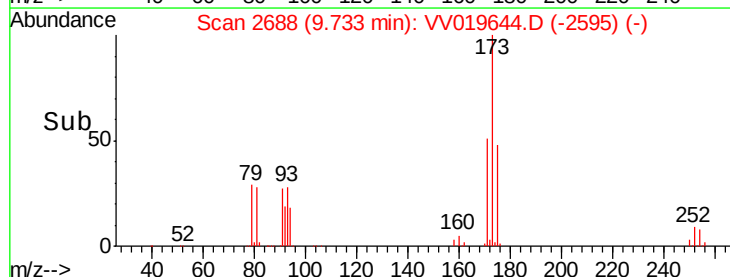
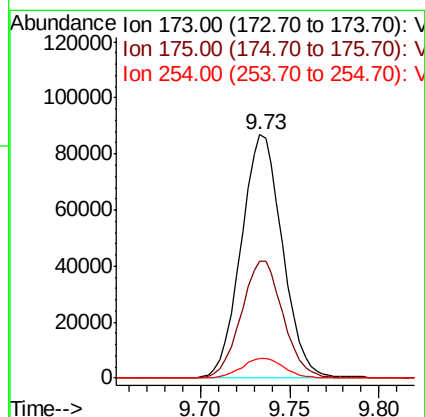
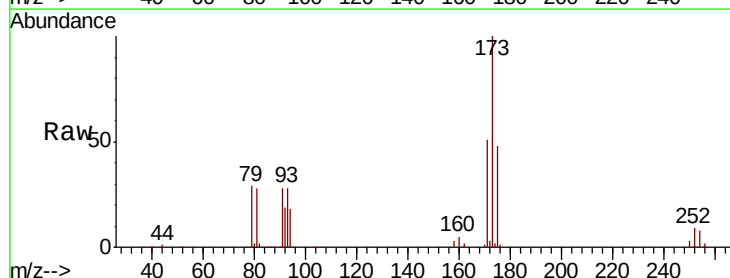
Tgt Ion: 173 Resp: 140571

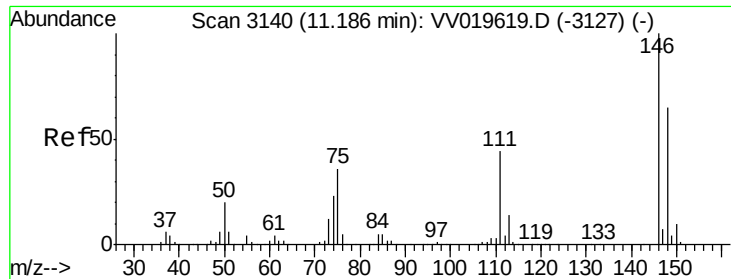
Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 8.3 6.6 10.0

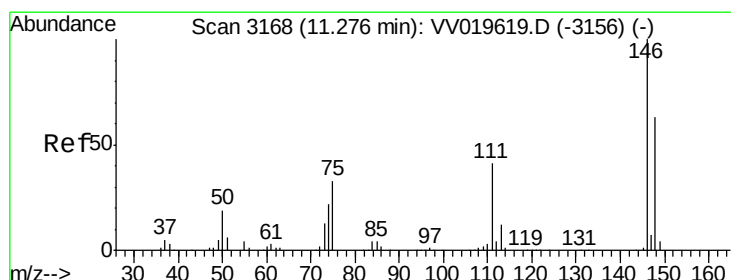
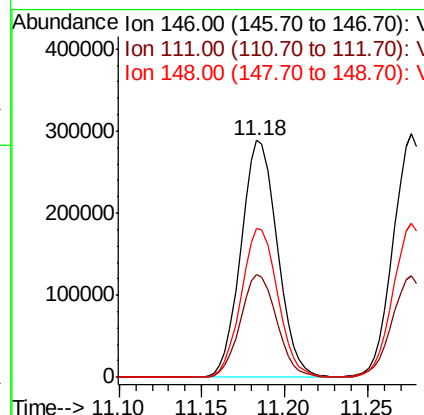
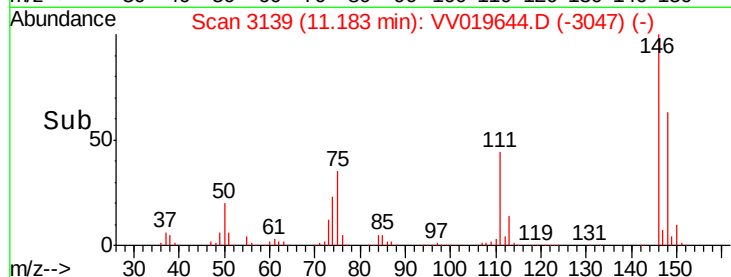
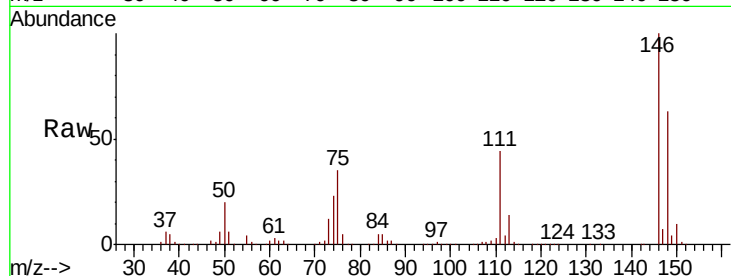




#62
 1,3-Dichlorobenzene
 Concen: 50.058 ug/L
 RT: 11.18 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

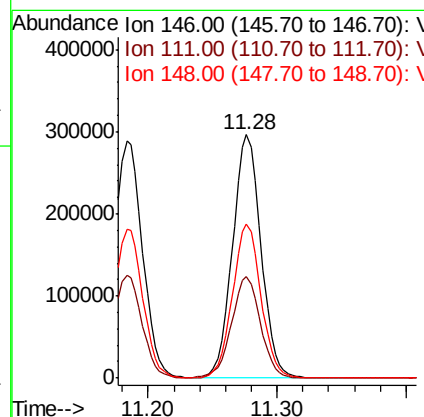
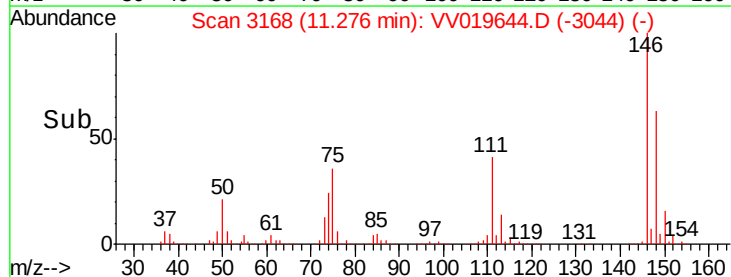
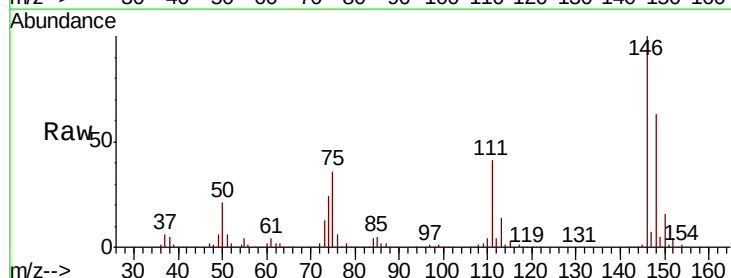
Instrument :
 MSVOA_V
 ClientSampleId :

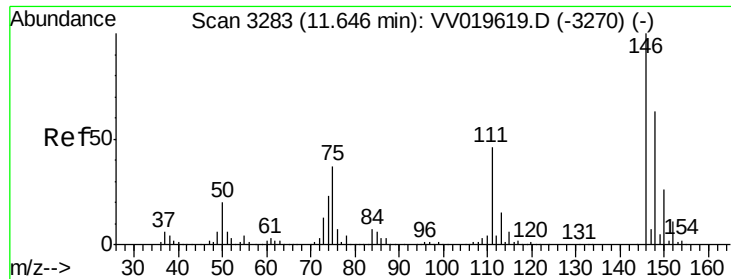
Tot Ion:146 Resp: 442938
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.7 57.1
 148 62.7 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 50.621 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion:146 Resp: 453573
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.8 55.4
 148 63.2 44.2 82.0

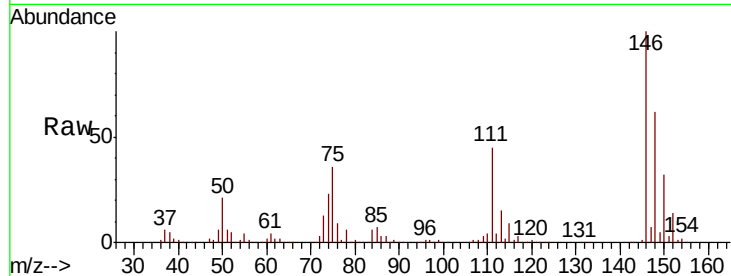




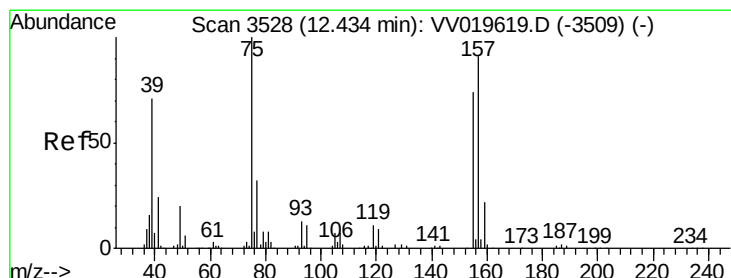
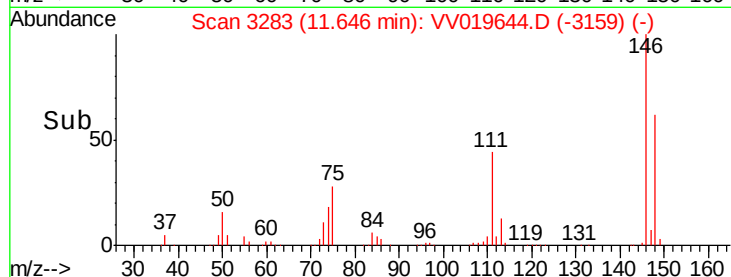
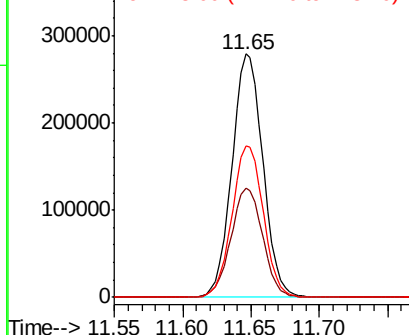
#65
 1,2-Dichlorobenzene
 Concen: 50.149 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 438474
 Ion Ratio Lower Upper
 146 100
 111 44.7 36.6 55.0
 148 62.2 50.7 76.1

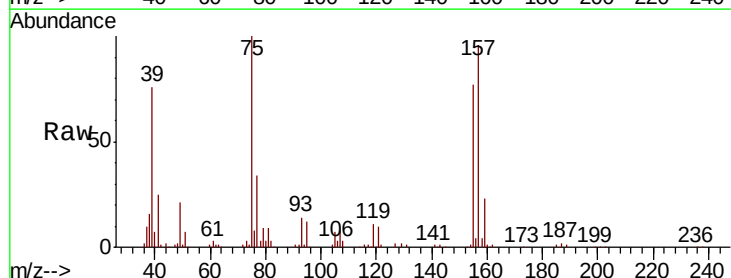


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

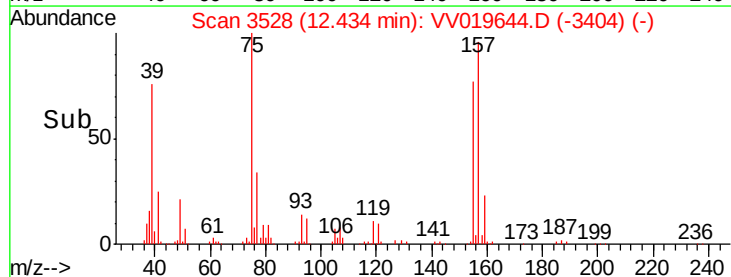
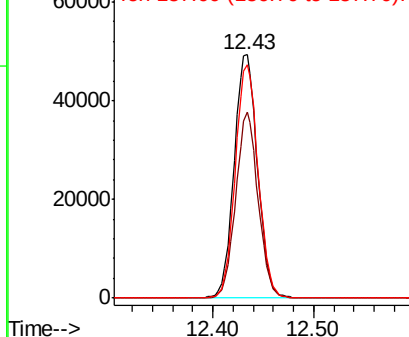


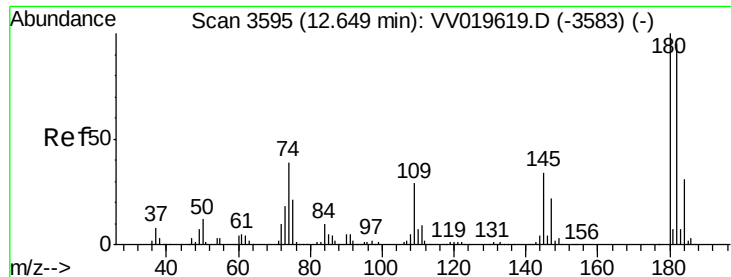
#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.666 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion: 75 Resp: 79696
 Ion Ratio Lower Upper
 75 100
 155 76.5 61.1 91.7
 157 96.1 78.7 118.1



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

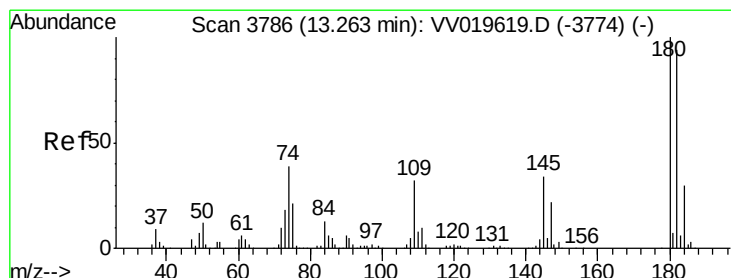
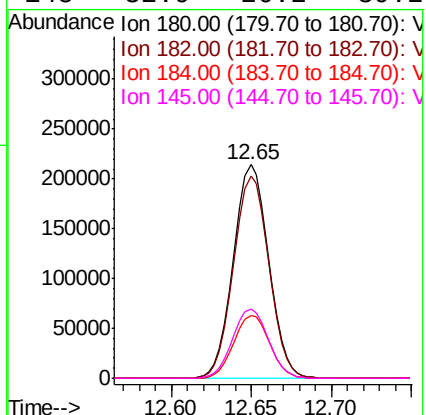
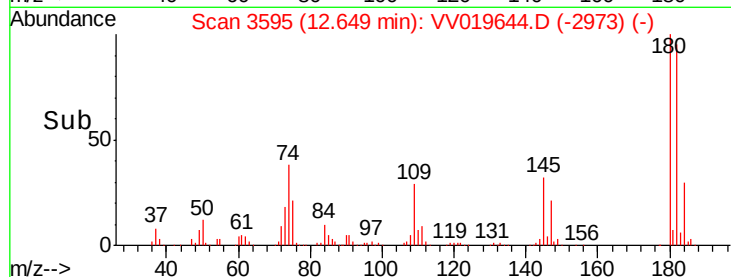
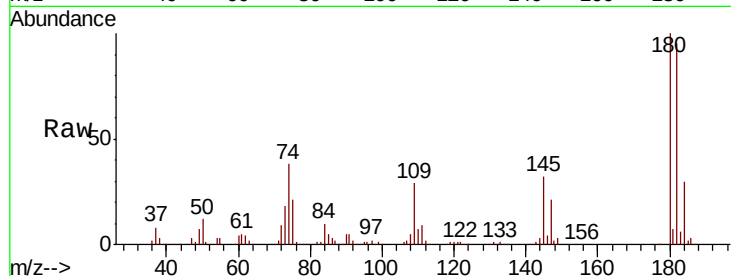




#67
 1,3,5-Trichlorobenzene
 Concen: 51.570 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

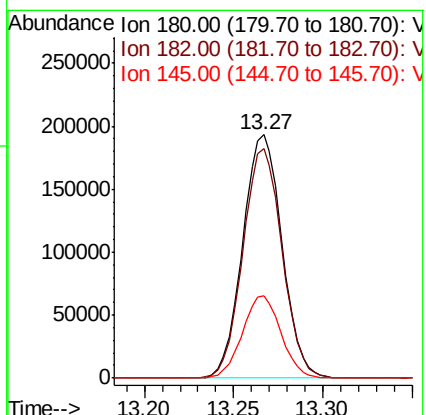
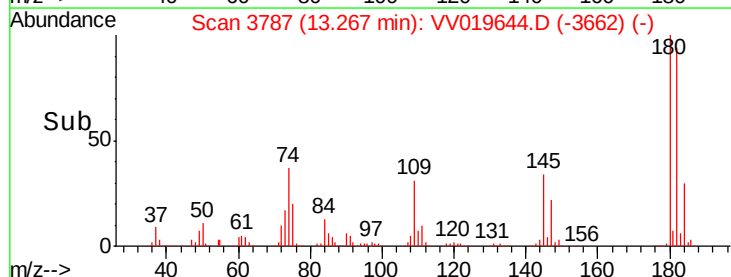
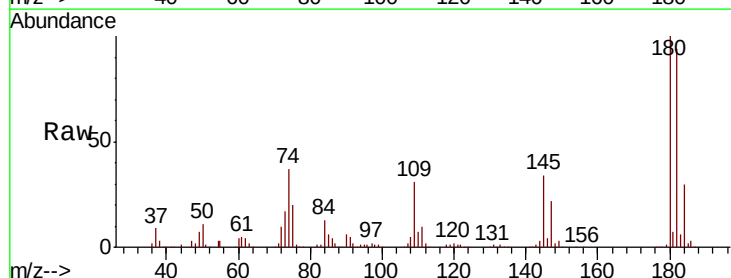
Instrument :
 MSVOA_V
 ClientSampled :

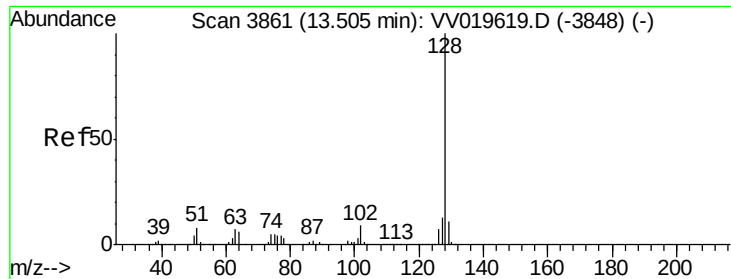
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
184	30.0	23.9	35.9
145	32.9	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 50.737 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019644.D
 Acq: 15 Dec 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.5	114.7
145	33.5	27.0	40.6





#69

Naphthalene

Concen: 48.422 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

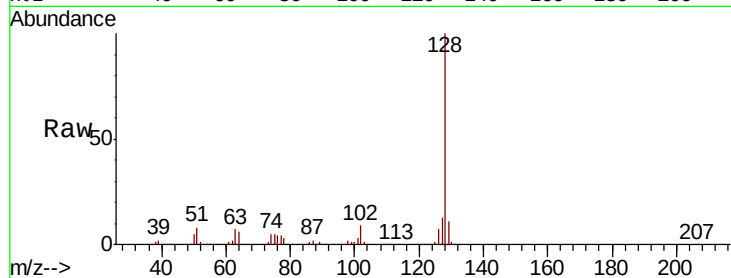
Tot Ion:128 Resp: 982821

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

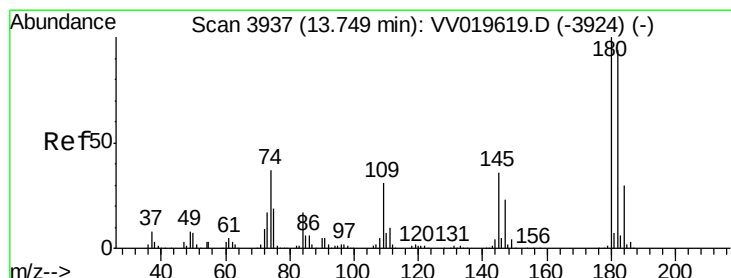
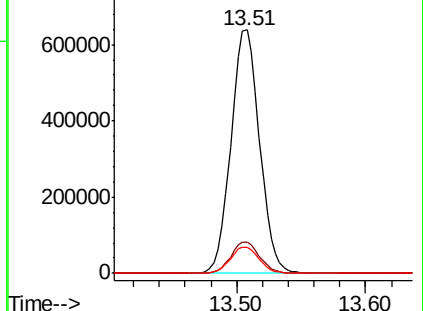
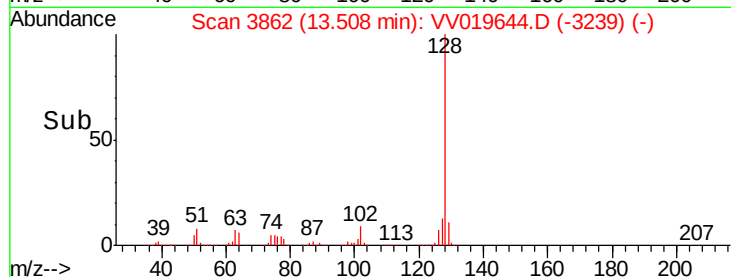
129 11.0 8.6 12.8



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: 50.333 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019644.D

Acq: 15 Dec 2020 11:39

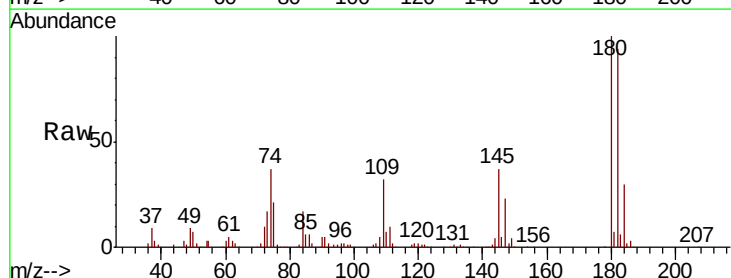
Tgt Ion:180 Resp: 287520

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

145 36.4 29.1 43.7



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

