

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122920\
 Data File : VV019856.D
 Acq On : 29 Dec 2020 11:12
 Operator : SY/MD
 Sample : VSTD00163
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

Quant Time: Dec 29 12:14:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 12:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	286462	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	266873	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	132063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	21227	1.71	ug/L	0.00
7) Chloroethane-d5	1.56	69	18151	1.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	45426	1.90	ug/L	0.00
20) 2-Butanone-d5	3.97	46	39180	15.23	ug/L	0.03
24) Chloroform-d	4.35	84	38874	1.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	20275	1.23	ug/L	0.00
32) Benzene-d6	5.06	84	76429	1.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.08	67	22949	1.17	ug/L	0.00
41) Toluene-d8	7.32	98	65615	1.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.63	79	7409	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.10	63	28416	10.02	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.22	84	13742	0.98	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.63	152	21655	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	29261	1.065 ug/L	97
3) Chloromethane	1.24	50	32078	2.098 ug/L	100
5) Vinyl chloride	1.31	62	32005	2.064 ug/L	98
6) Bromomethane	1.52	94	18342	1.990 ug/L	95
8) Chloroethane	1.58	64	19861	2.298 ug/L	98
9) Trichlorofluoromethane	1.75	101	38459	1.439 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	20605	1.698 ug/L	96
12) 1,1-Dichloroethene	2.11	96	21608	1.913 ug/L	93
13) Acetone	2.24	43	14520	8.692 ug/L	90
14) Carbon disulfide	2.29	76	72272	1.312 ug/L	100
15) Methyl Acetate	2.46	43	6573	1.163 ug/L #	87
16) Methylene chloride	2.50	84	26573	1.295 ug/L	99
17) Methyl tert-butyl Ether	2.78	73	50900	1.221 ug/L	99
18) trans-1,2-Dichloroethene	2.76	96	23780	1.195 ug/L	96
19) 1,1-Dichloroethane	3.19	63	44507	1.311 ug/L	97
21) 2-Butanone	4.04	43	38912	13.404 ug/L #	66
22) cis-1,2-Dichloroethene	3.92	96	23732	1.127 ug/L	97
23) Bromochloromethane	4.25	128	9649	1.106 ug/L	97
25) Chloroform	4.38	83	44767	1.006 ug/L	97
27) 1,2-Dichloroethane	5.14	62	27224	1.341 ug/L #	95
29) 1,1,1-Trichloroethane	4.61	97	37865	1.147 ug/L	98
30) Cyclohexane	4.68	56	38633	1.237 ug/L	100
31) Carbon tetrachloride	4.83	117	31322	1.111 ug/L	99
33) Benzene	5.11	78	94629	1.246 ug/L	100
34) Trichloroethene	5.92	95	25168	1.180 ug/L	89
35) Methylcyclohexane	6.13	83	37801	1.085 ug/L	99
37) 1,2-Dichloropropane	6.18	63	22955	1.255 ug/L	98
38) Bromodichloromethane	6.52	83	28257	1.135 ug/L	95
39) cis-1,3-Dichloropropene	7.04	75	31666	1.140 ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	128410	14.164 ug/L	99

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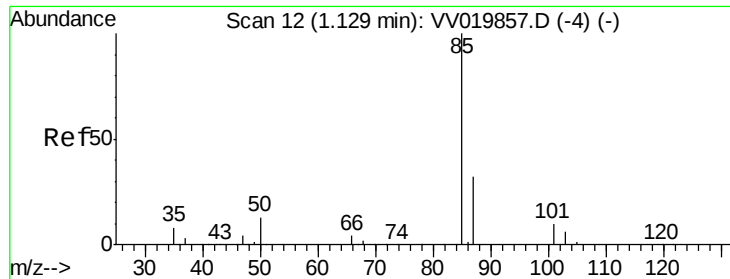
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Dec 29 12:14:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.40	91	93941	1.148	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	24406	1.096	ug/L	95
45) 1,1,2-Trichloroethane	7.85	97	15035	1.151	ug/L	99
47) Tetrachloroethene	7.98	164	17913	1.099	ug/L	99
48) 2-Hexanone	8.15	43	86011	13.255	ug/L	99
49) Dibromochloromethane	8.25	129	15414	0.950	ug/L	97
50) 1,2-Dibromoethane	8.36	107	13418	1.085	ug/L #	91
51) Chlorobenzene	8.89	112	60106	1.122	ug/L	99
52) Ethylbenzene	9.02	91	103137	1.115	ug/L	100
53) m,p-xylene	9.14	106	38191	1.088	ug/L	99
54) o-xylene	9.55	106	35238	1.042	ug/L	93
55) Styrene	9.57	104	57792	1.029	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.25	83	15078	1.029	ug/L	98
59) Bromoform	9.74	173	6864	0.848	ug/L #	98
60) Isopropylbenzene	9.94	105	99480	1.087	ug/L	98
61) 1,2,3-Trichloropropane	10.28	75	13294	1.232	ug/L	98
62) 1,3,5-Trimethylbenzene	10.55	105	80052	1.051	ug/L	99
63) 1,2,4-Trimethylbenzene	10.92	105	80075	1.062	ug/L	98
64) 1,3-Dichlorobenzene	11.19	146	43812	1.032	ug/L	98
65) 1,4-Dichlorobenzene	11.28	146	43972	1.056	ug/L	98
67) 1,2-Dichlorobenzene	11.65	146	41723	1.110	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.44	75	2455	0.991	ug/L	93
69) 1,3,5-Trichlorobenzene	12.66	180	33232	1.061	ug/L	97
70) 1,2,4-trichlorobenzene	13.27	180	24980	0.959	ug/L	99
71) Naphthalene	13.51	128	32387	0.744	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	20412	0.897	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.065 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

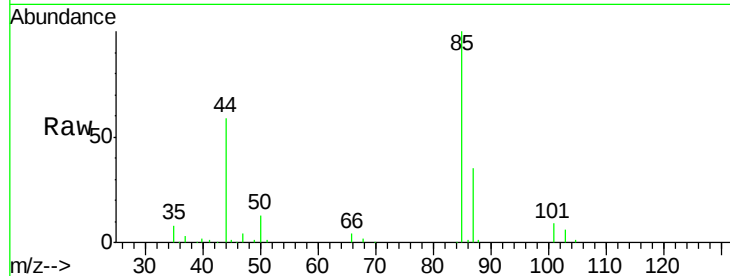
VSTD00163

Tgt Ion: 85 Resp: 29261

Ion Ratio Lower Upper

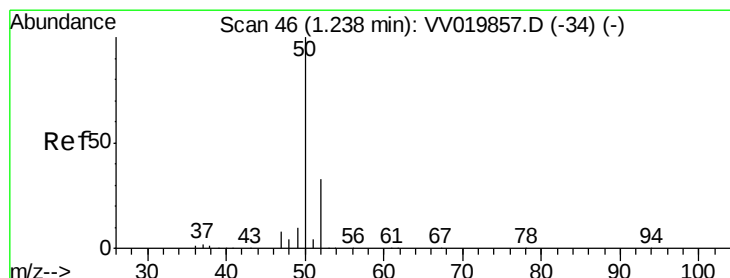
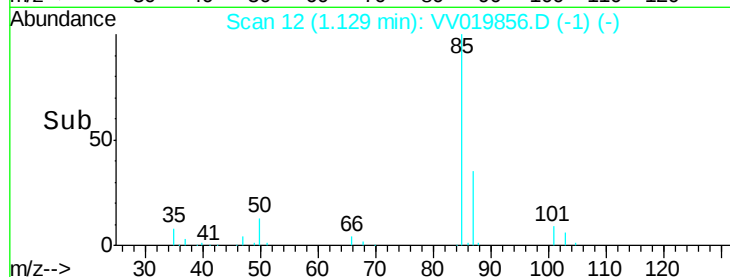
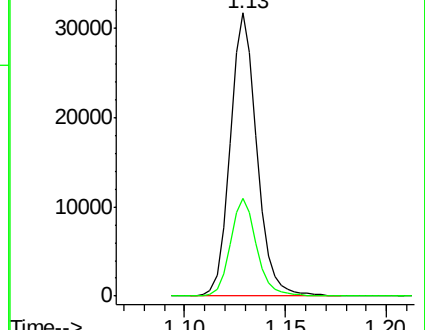
85 100

87 33.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV019856.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV019856.D (-4) (-)



#3

Chloromethane

Concen: 2.098 ug/L

RT: 1.24 min Scan# 46

Delta R.T. -0.00 min

Lab File: VV019856.D

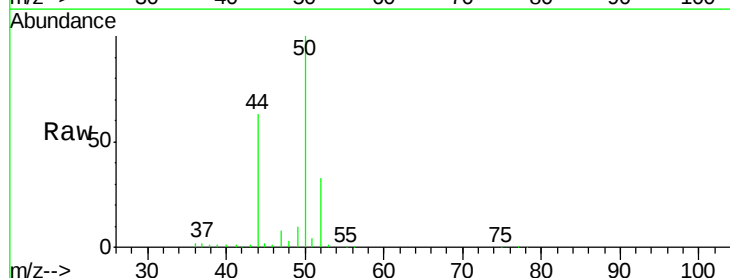
Acq: 29 Dec 2020 11:12

Tgt Ion: 50 Resp: 32078

Ion Ratio Lower Upper

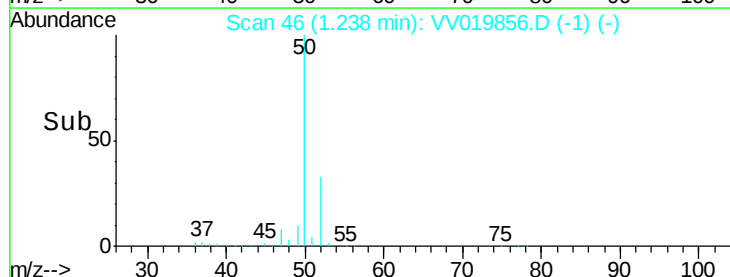
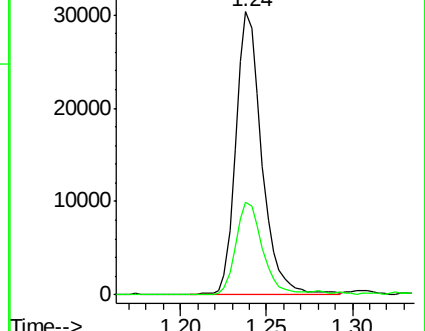
50 100

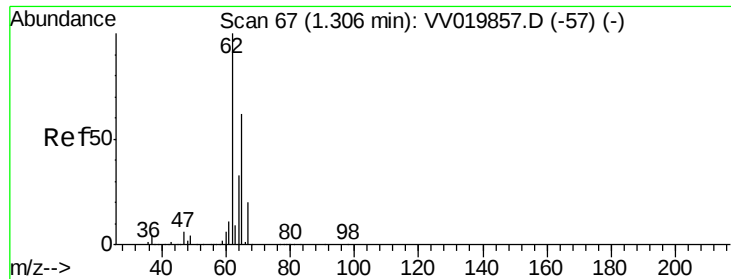
52 32.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV019856.D (-34) (-)

Ion 52.05 (51.75 to 52.75): VV019856.D (-34) (-)





#5

Vinyl chloride

Concen: 2.064 ug/L

RT: 1.31 min Scan# 67

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

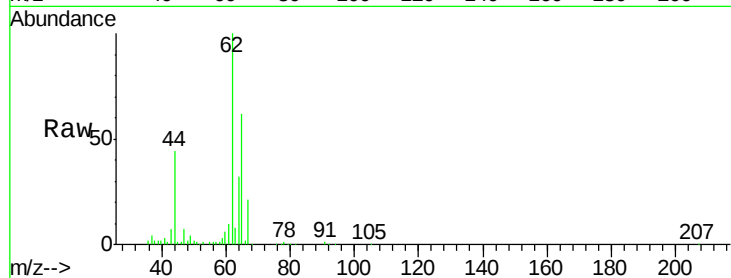
VSTD00163

Tgt Ion: 62 Resp: 32005

Ion Ratio Lower Upper

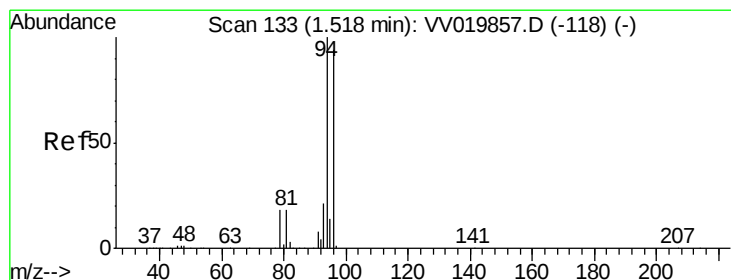
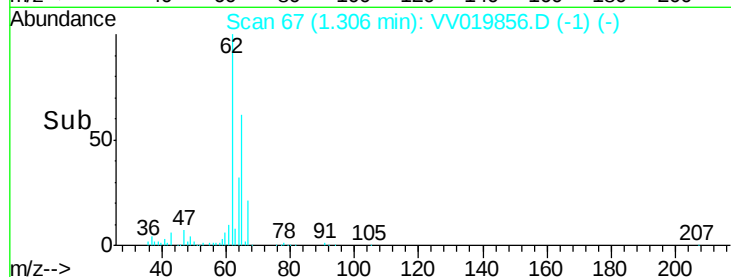
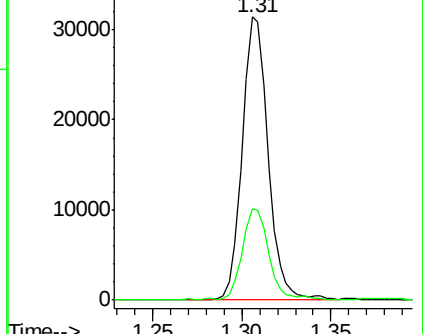
62 100

64 32.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 1.990 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019856.D

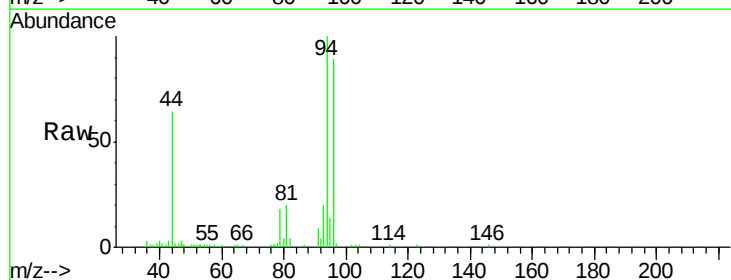
Acq: 29 Dec 2020 11:12

Tgt Ion: 94 Resp: 18342

Ion Ratio Lower Upper

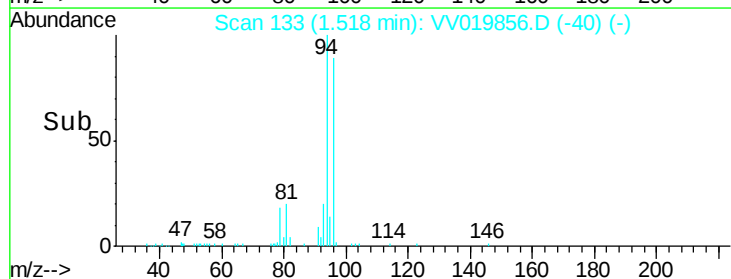
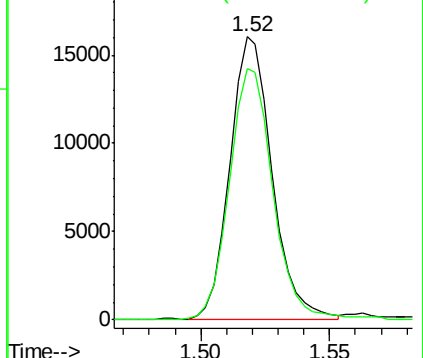
94 100

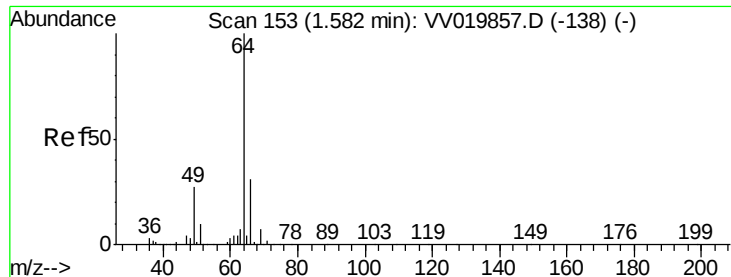
96 88.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.298 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

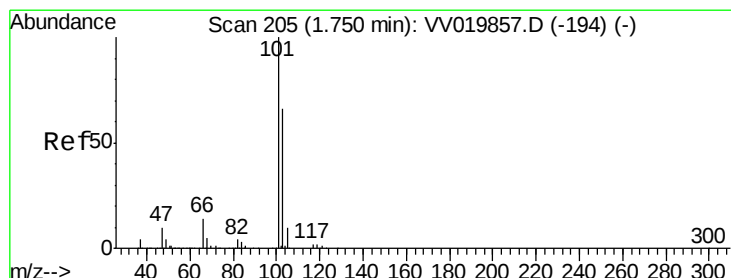
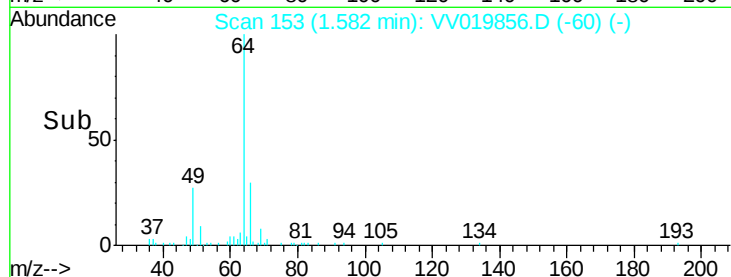
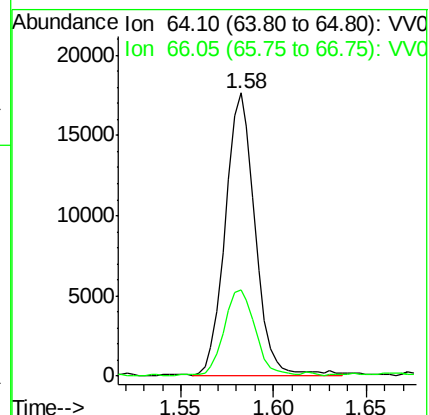
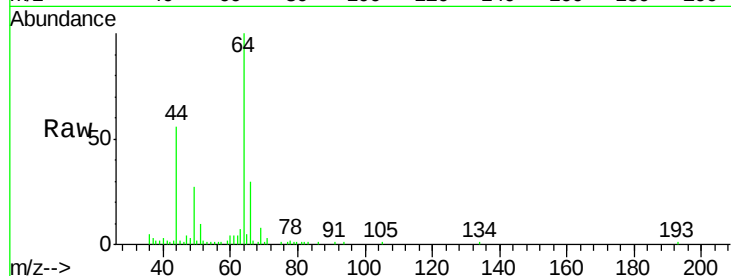
VSTD00163

Tgt Ion: 64 Resp: 19861

Ion Ratio Lower Upper

64 100

66 30.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 1.439 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019856.D

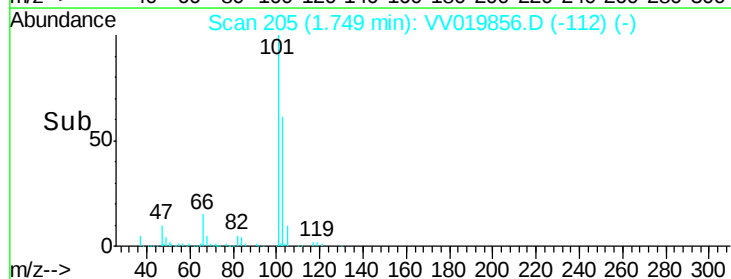
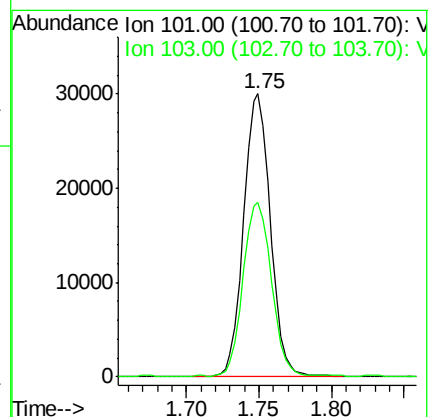
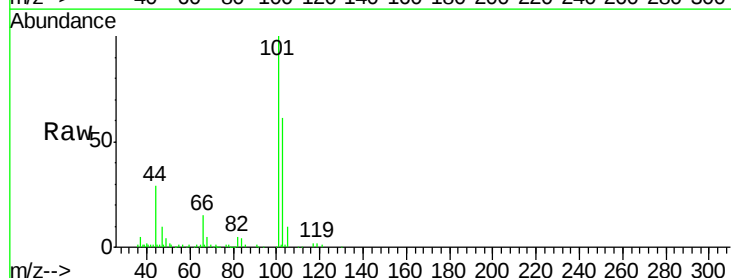
Acq: 29 Dec 2020 11:12

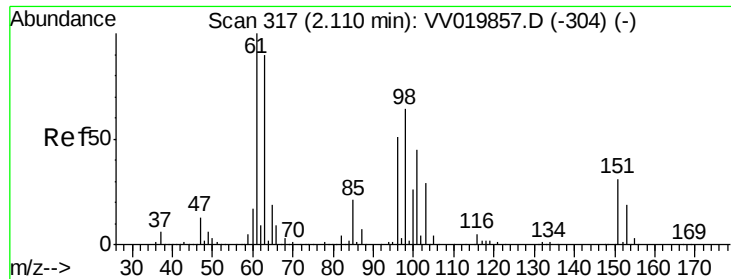
Tgt Ion: 101 Resp: 38459

Ion Ratio Lower Upper

101 100

103 65.8 51.8 77.8





#10

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

Concen: 1.698 ug/L

RT: 2.11 min Scan# 318

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

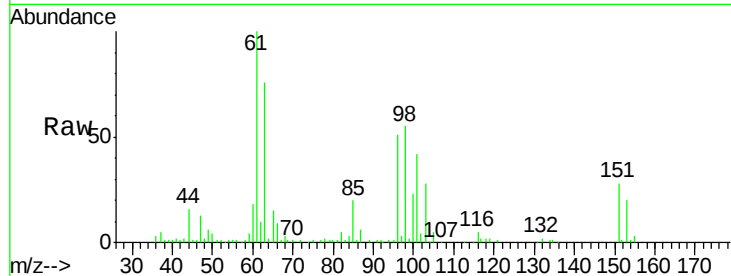
Tgt Ion:101 Resp: 20605

Ion Ratio Lower Upper

101 100

85 48.5 36.4 54.6

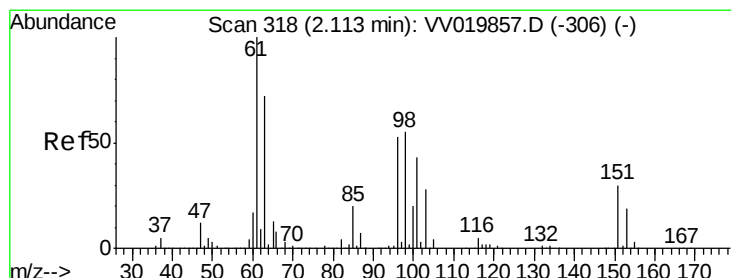
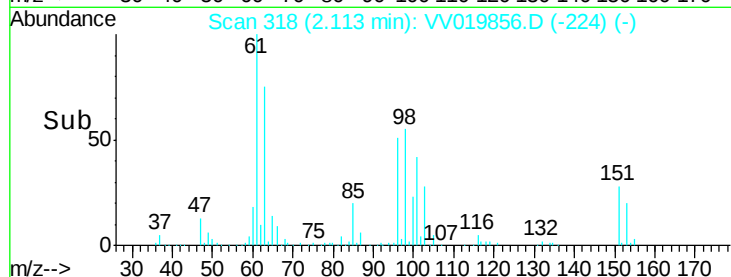
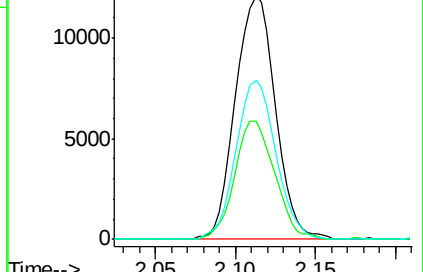
151 65.3 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): VV019856.D (-224) (-)

Ion 85.00 (84.70 to 85.70): VV019856.D (-224) (-)

Ion 151.00 (150.70 to 151.70): VV019856.D (-224) (-)



#12

1,1-Dichloroethene

Concen: 1.913 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

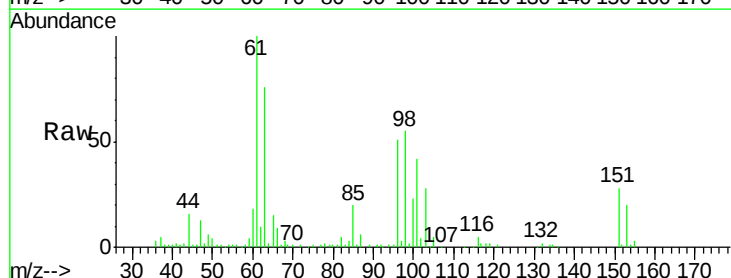
Tgt Ion: 96 Resp: 21608

Ion Ratio Lower Upper

96 100

61 195.4 131.5 244.1

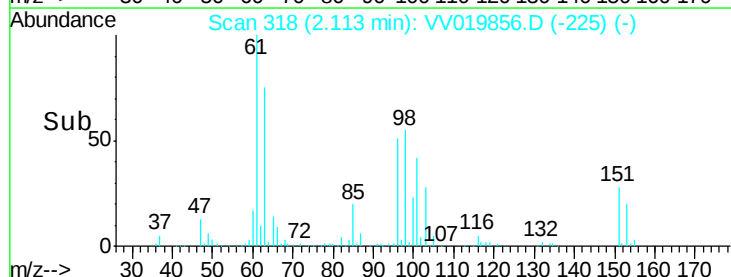
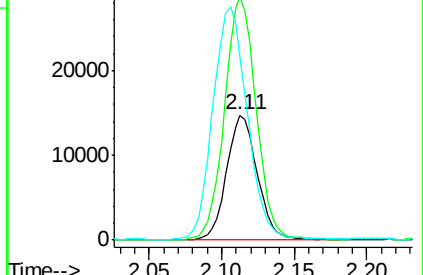
63 148.3 95.2 176.8

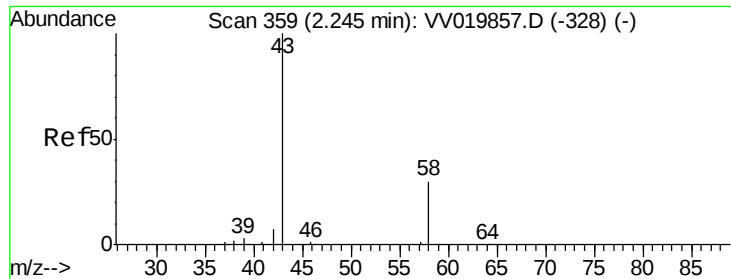


Abundance Ion 96.00 (95.70 to 96.70): VV019856.D (-225) (-)

Ion 61.05 (60.75 to 61.75): VV019856.D (-225) (-)

Ion 63.00 (62.70 to 63.70): VV019856.D (-225) (-)





#13

Acetone

Concen: 8.692 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV019856.D

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ClientSampleId :

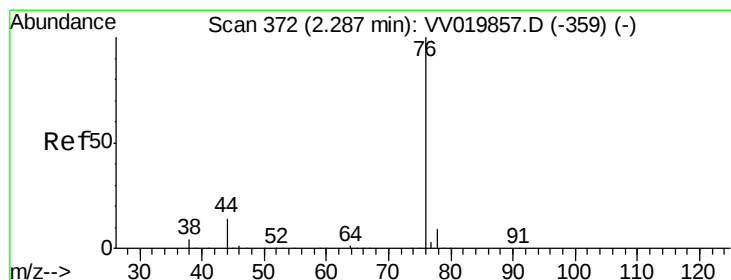
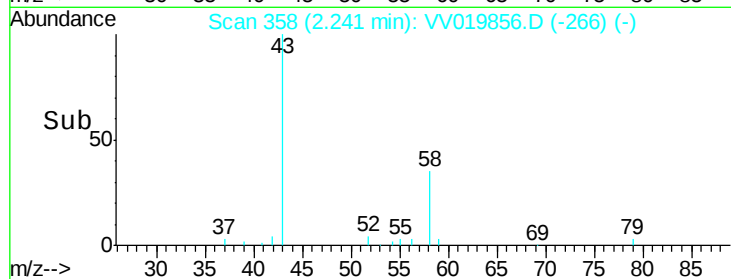
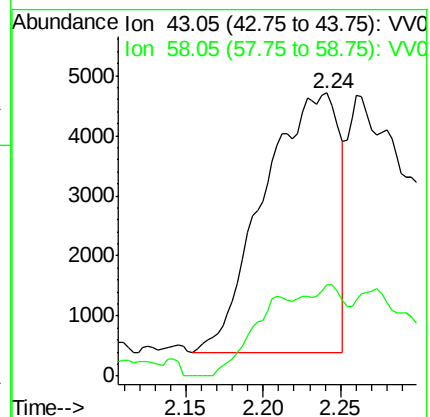
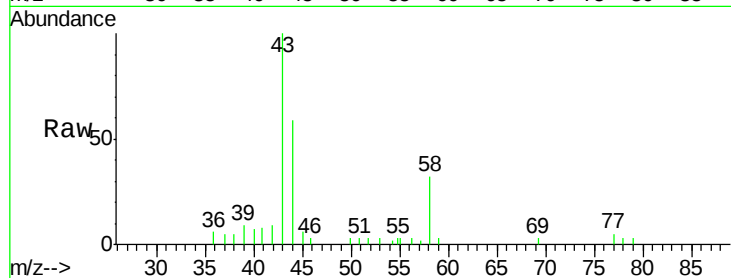
VSTD00163

Tgt Ion: 43 Resp: 14520

Ion Ratio Lower Upper

43 100

58 11.4 0.0 31.4



#14

Carbon disulfide

Concen: 1.312 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VV019856.D

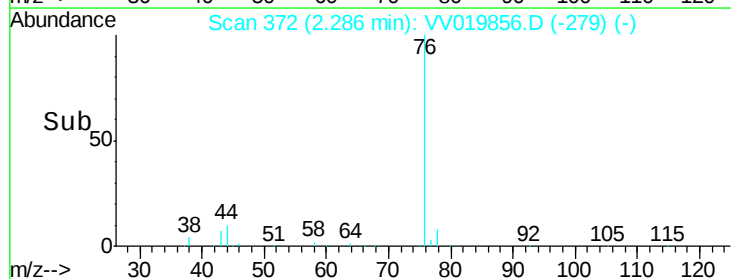
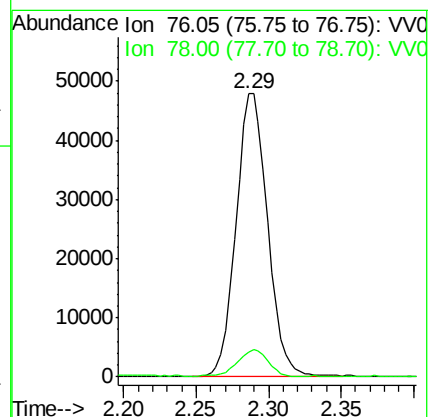
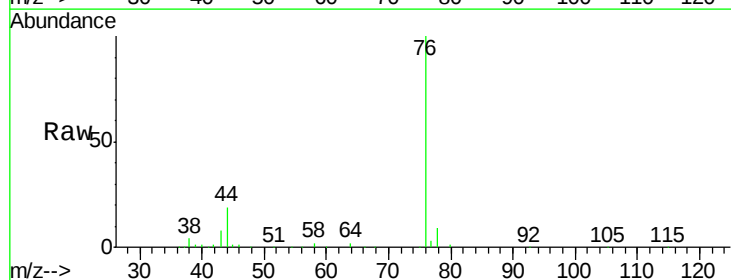
Acq: 29 Dec 2020 11:12

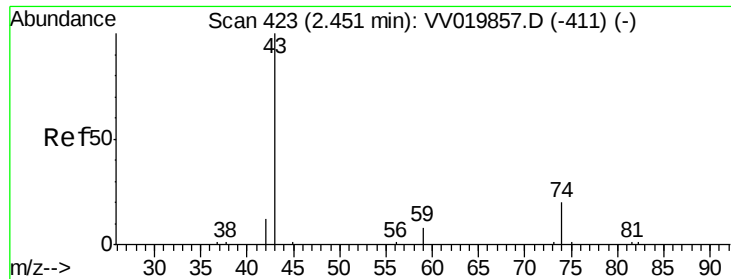
Tgt Ion: 76 Resp: 72272

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 1.163 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

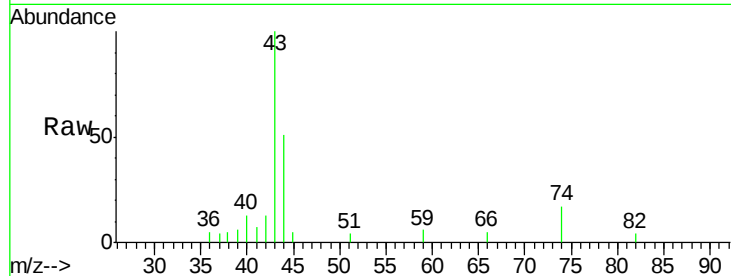
VSTD00163

Tgt Ion: 43 Resp: 6573

Ion Ratio Lower Upper

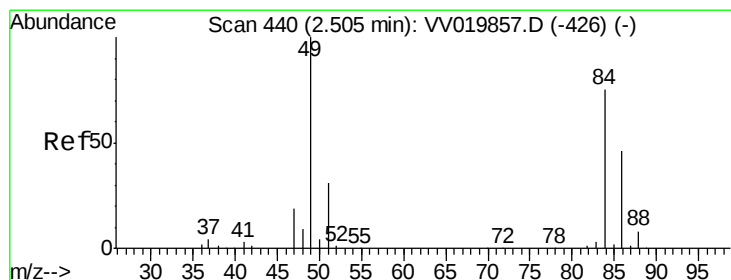
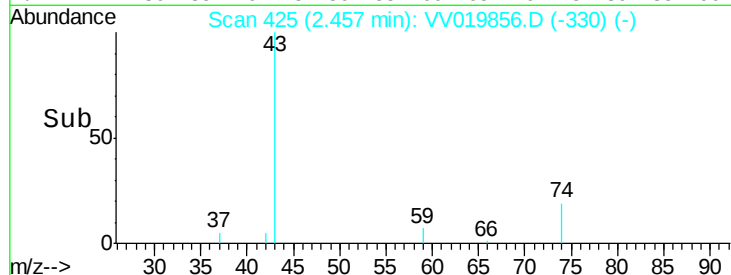
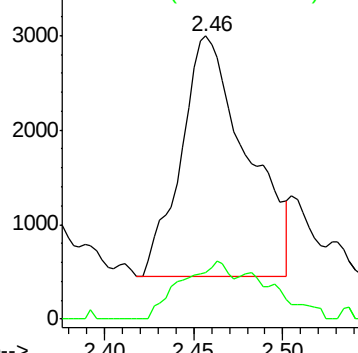
43 100

74 18.3 10.6 16.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.295 ug/L

RT: 2.50 min Scan# 440

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

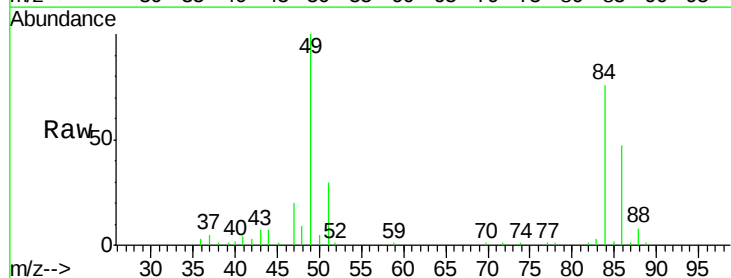
Tgt Ion: 84 Resp: 26573

Ion Ratio Lower Upper

84 100

86 61.8 42.8 79.4

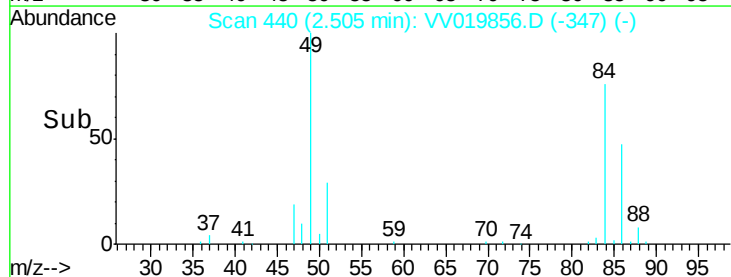
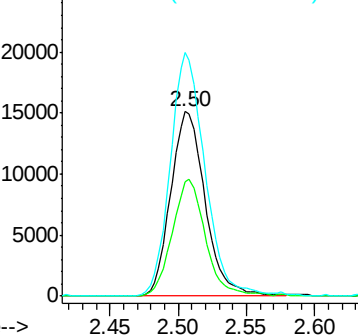
49 132.2 93.9 174.3

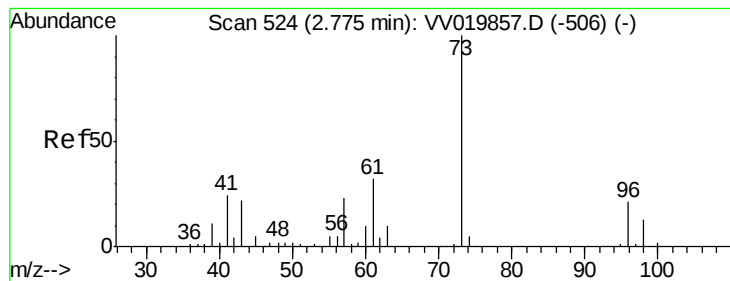


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



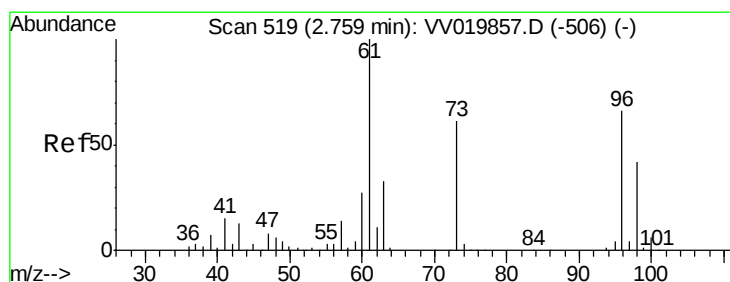
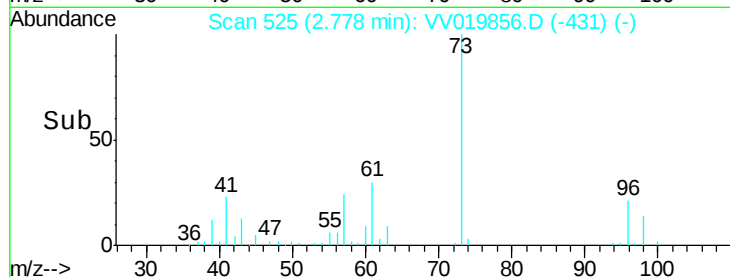
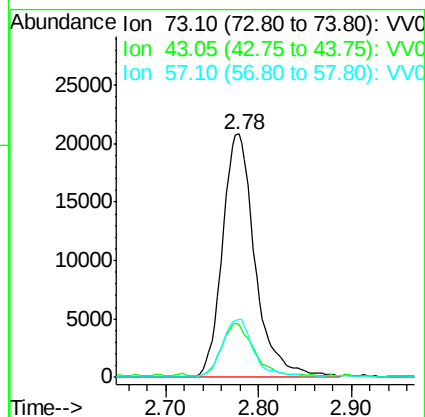
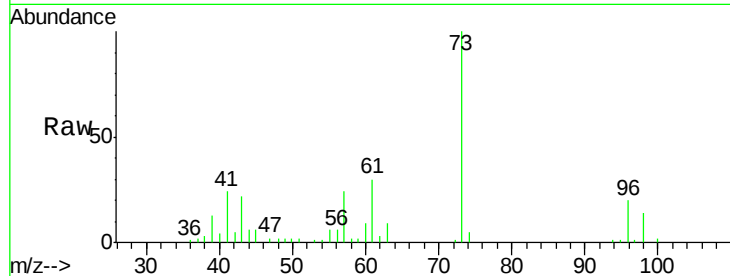


#17

Methyl tert-butyl Ether
 Concen: 1.221 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

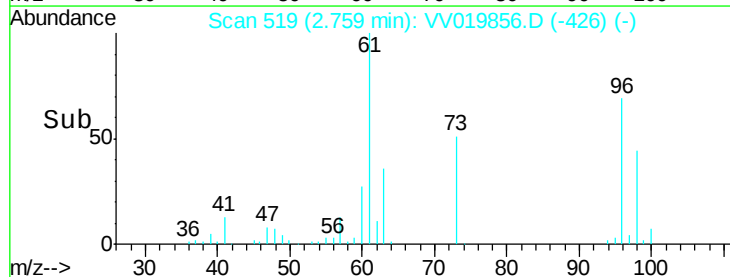
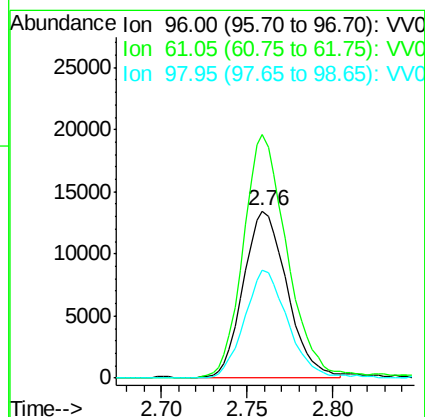
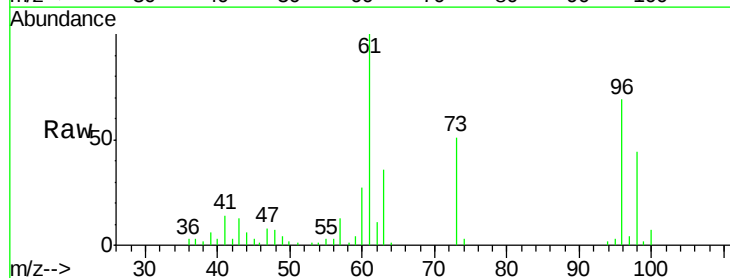
Tgt Ion: 73 Resp: 50900
 Ion Ratio Lower Upper
 73 100
 43 20.7 17.0 25.6
 57 23.4 18.2 27.4

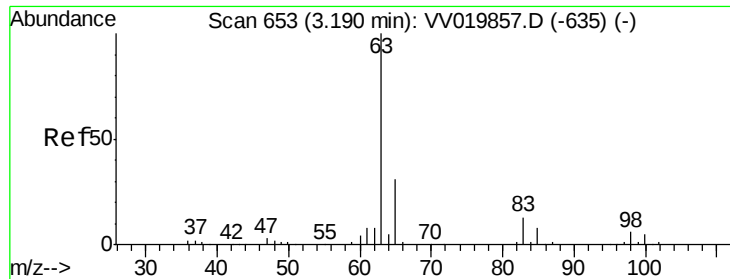


#18

trans-1,2-Dichloroethene
 Concen: 1.195 ug/L
 RT: 2.76 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion: 96 Resp: 23780
 Ion Ratio Lower Upper
 96 100
 61 145.7 106.3 197.3
 98 64.3 44.7 82.9

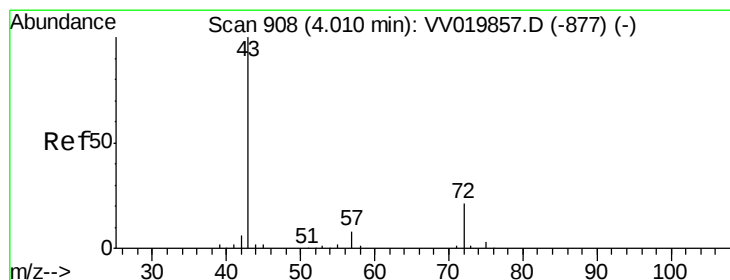
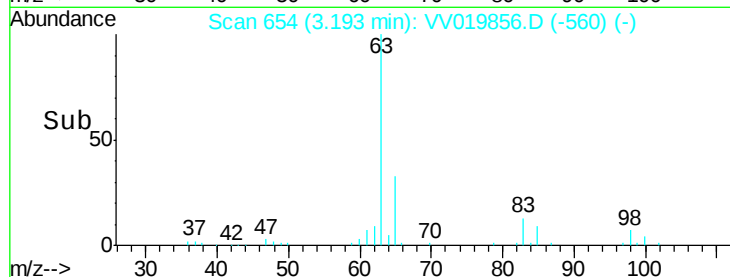
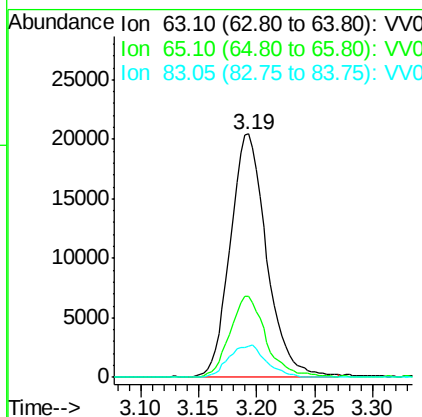
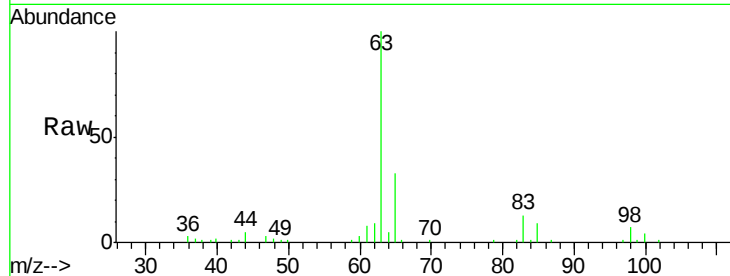




#19
 1,1-Dichloroethane
 Concen: 1.311 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

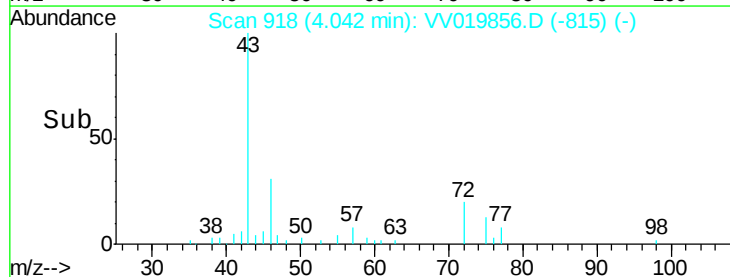
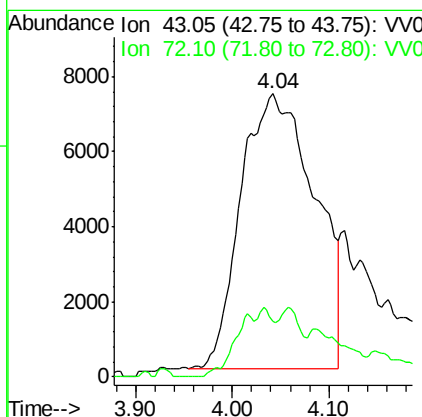
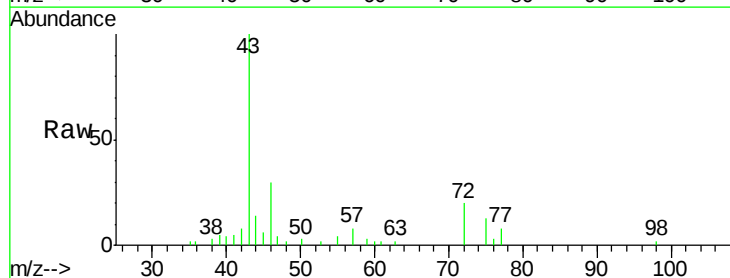
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

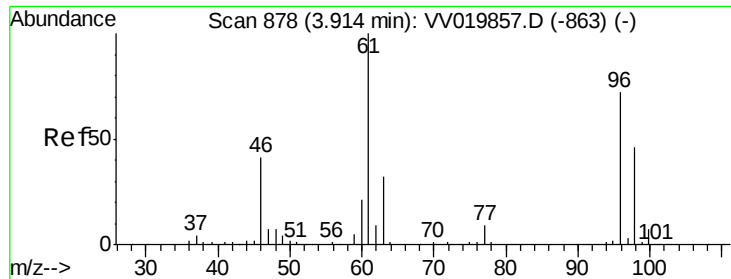
Tgt Ion: 63 Resp: 44507
 Ion Ratio Lower Upper
 63 100
 65 33.5 21.8 40.6
 83 12.9 9.0 16.8



#21
 2-Butanone
 Concen: 13.404 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.03 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion: 43 Resp: 38912
 Ion Ratio Lower Upper
 43 100
 72 5.6 10.9 32.7#





#22

cis-1,2-Dichloroethene

Concen: 1.127 ug/L

RT: 3.92 min Scan# 880

Delta R.T. 0.01 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

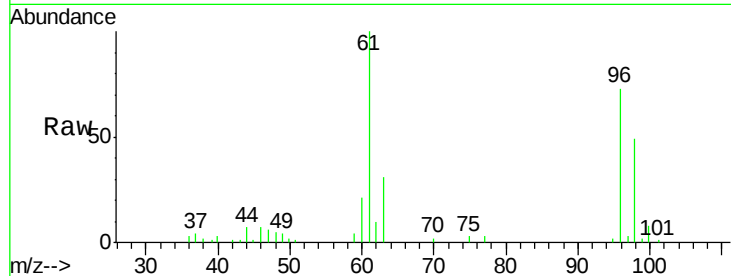
Tgt Ion: 96 Resp: 23732

Ion Ratio Lower Upper

96 100

61 136.7 98.1 182.3

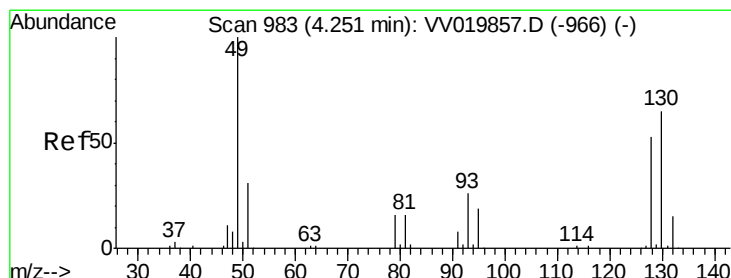
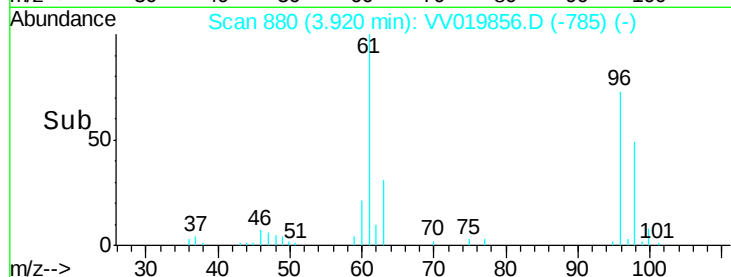
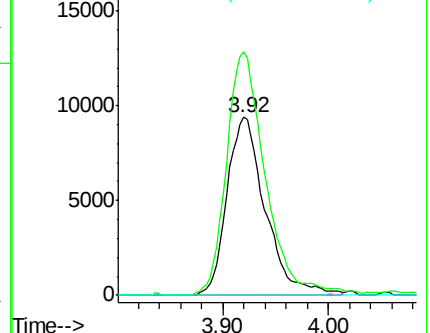
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV019857.D (-863) (-)

Ion 61.05 (60.75 to 61.75): VV019857.D (-863) (-)

Ion 68.15 (67.85 to 68.85): VV019857.D (-863) (-)



#23

Bromochloromethane

Concen: 1.106 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Tgt Ion: 128 Resp: 9649

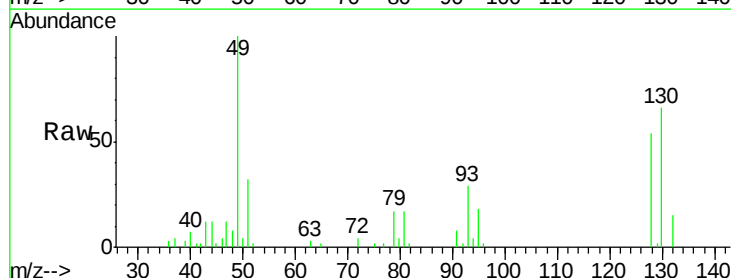
Ion Ratio Lower Upper

128 100

49 183.9 132.6 246.2

130 120.6 86.4 160.4

51 58.8 48.0 72.0

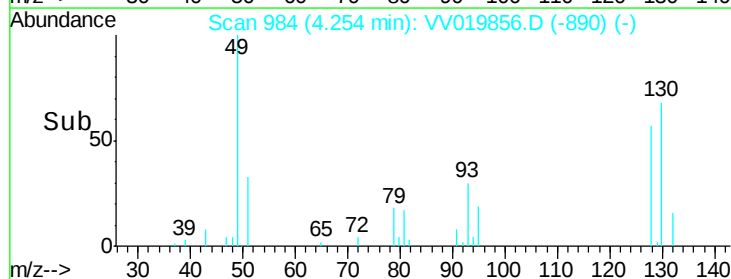
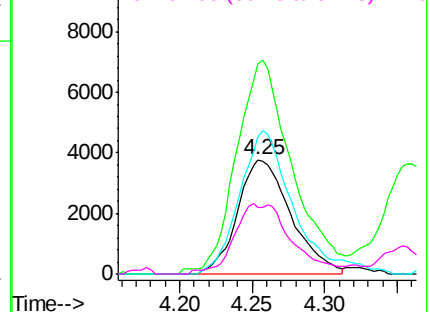


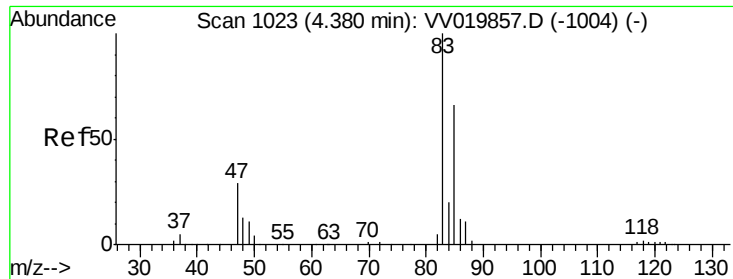
Abundance Ion 127.90 (127.60 to 128.60): VV019857.D (-966) (-)

Ion 49.10 (48.80 to 49.80): VV019857.D (-966) (-)

Ion 129.95 (129.65 to 130.65): VV019857.D (-966) (-)

Ion 51.05 (50.75 to 51.75): VV019857.D (-966) (-)

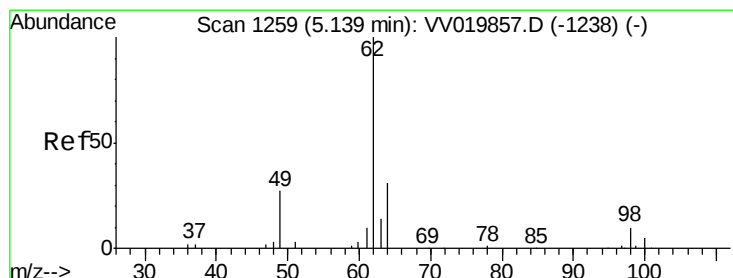
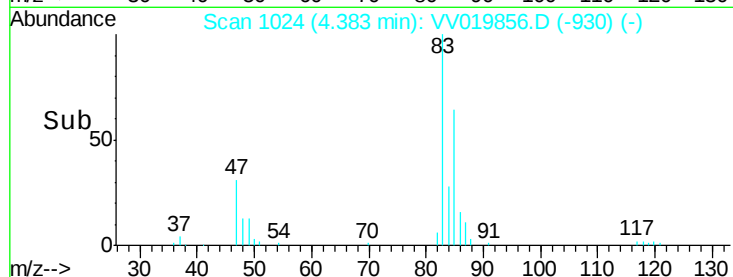
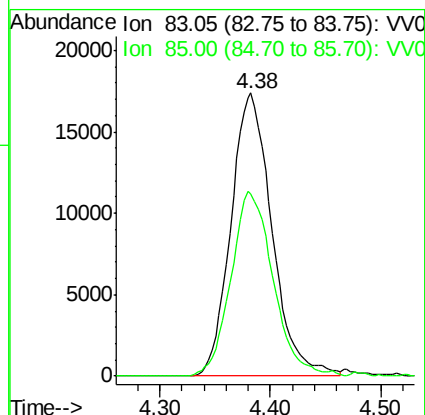
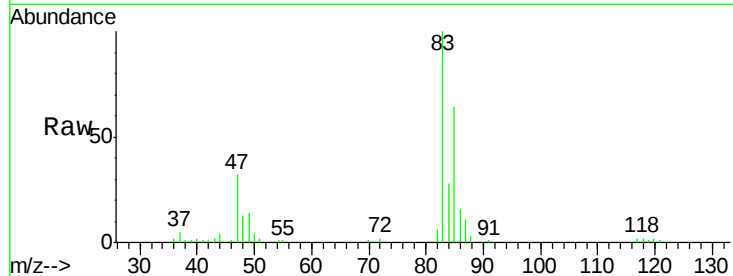




#25
Chloroform
Concen: 1.006 ug/L
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

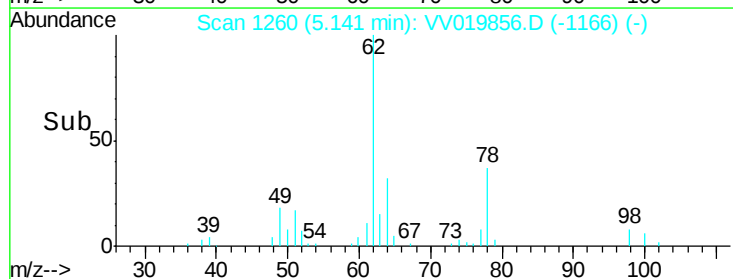
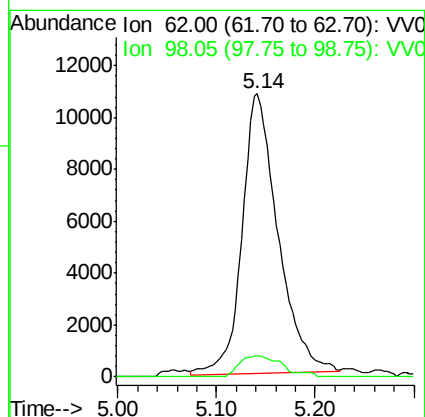
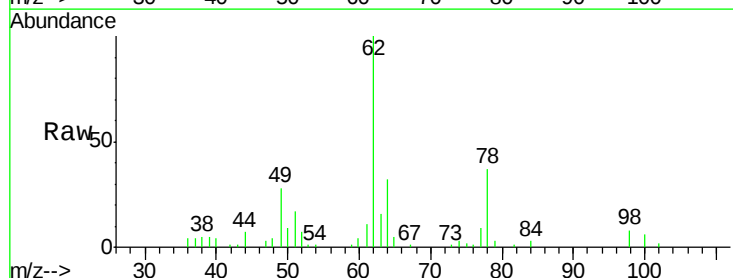
Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

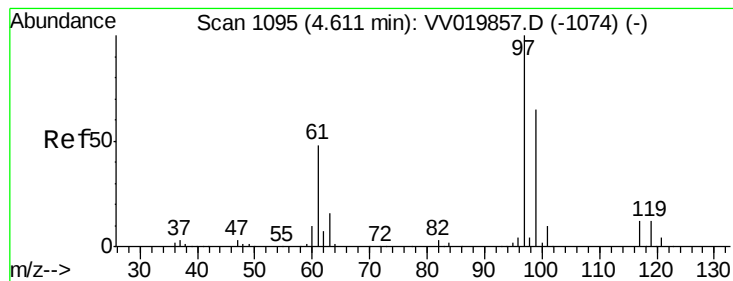
Tgt Ion: 83 Resp: 44767
Ion Ratio Lower Upper
83 100
85 64.2 46.4 86.2



#27
1,2-Dichloroethane
Concen: 1.341 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Tgt Ion: 62 Resp: 27224
Ion Ratio Lower Upper
62 100
98 7.5 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 1.147 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

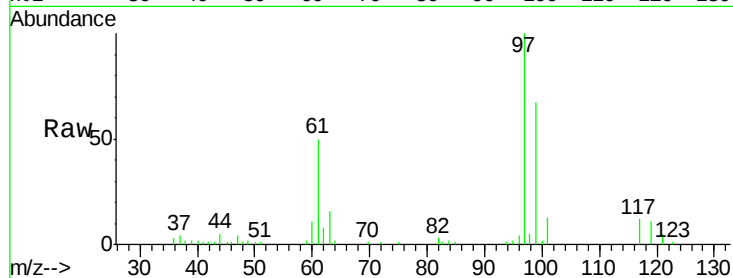
Tgt Ion: 97 Resp: 37865

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

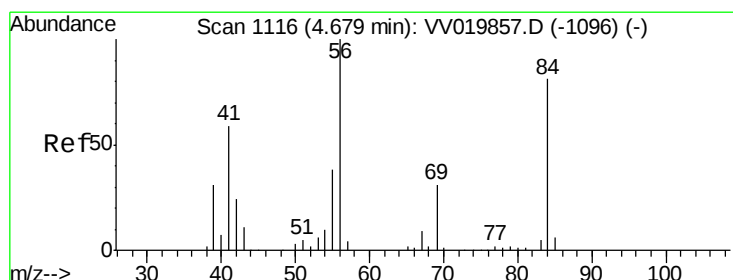
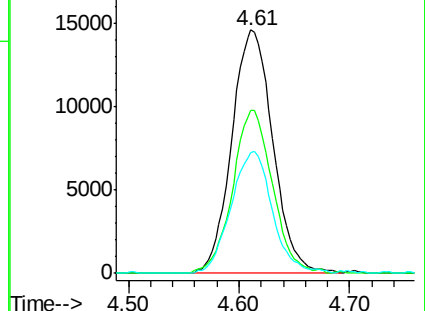
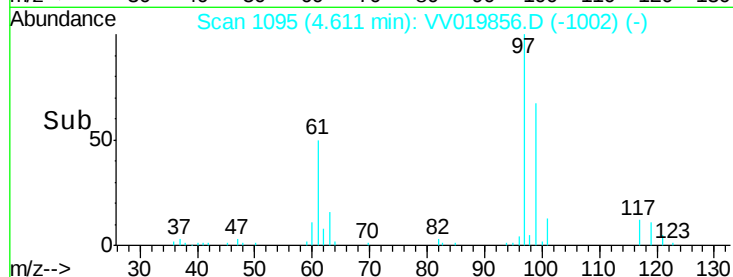
61 50.0 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 1.237 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

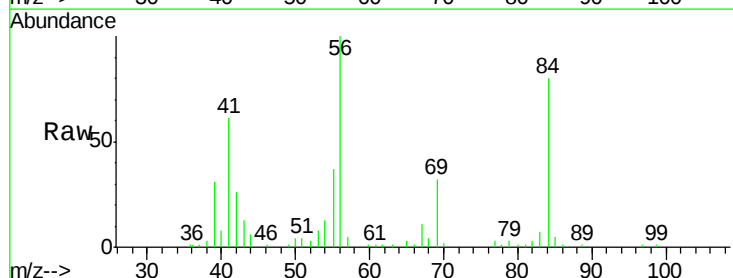
Tgt Ion: 56 Resp: 38633

Ion Ratio Lower Upper

56 100

69 30.2 24.1 36.1

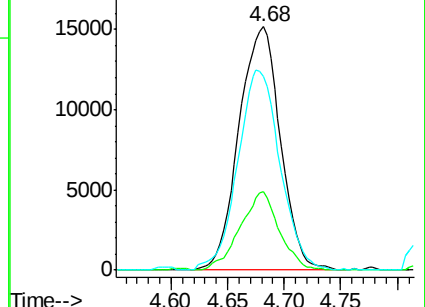
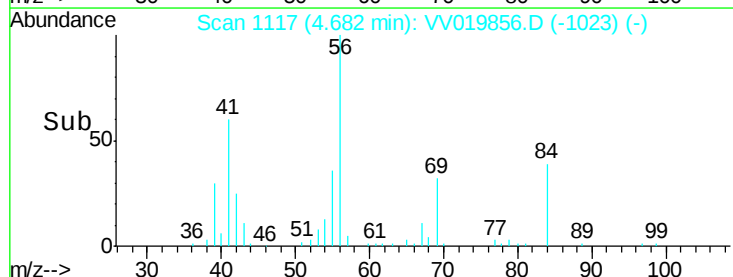
84 83.9 66.8 100.2

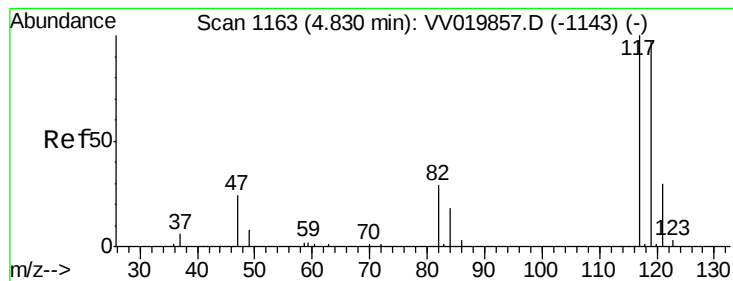


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.111 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

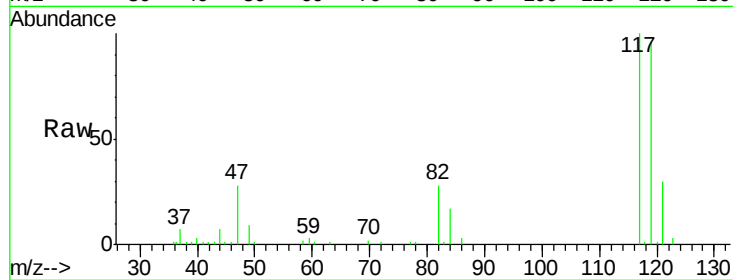
VSTD00163

Tgt Ion:117 Resp: 31322

Ion Ratio Lower Upper

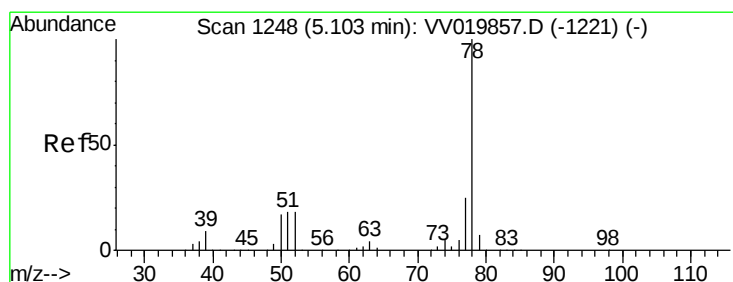
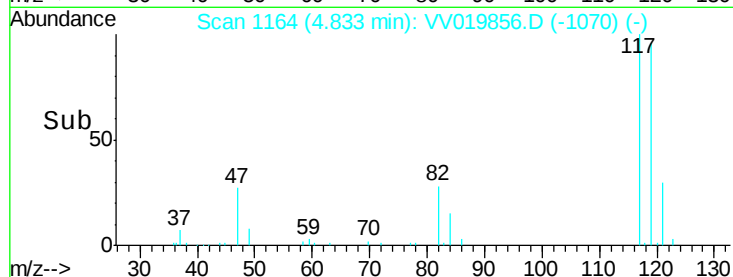
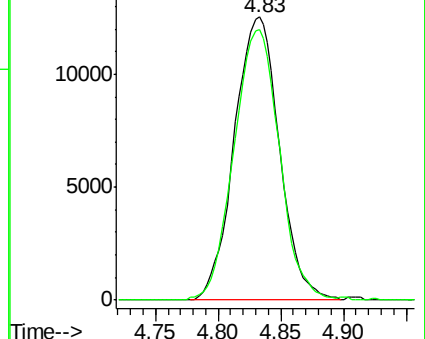
117 100

119 96.3 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.246 ug/L

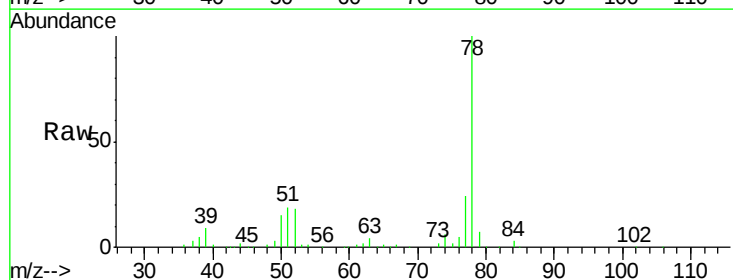
RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

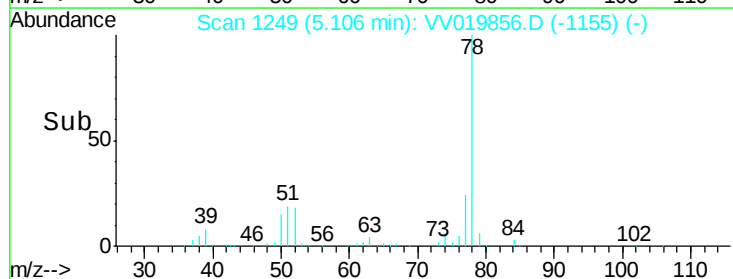
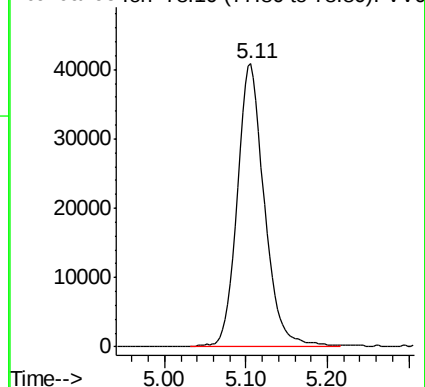
Lab File: VV019856.D

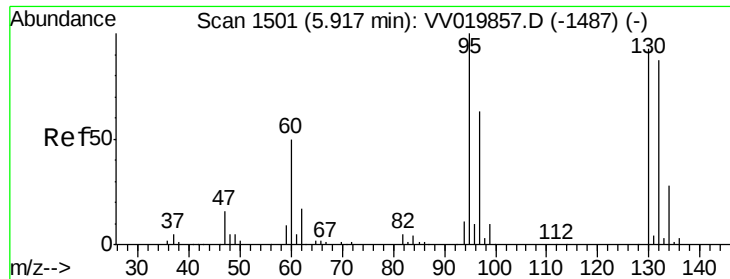
Acq: 29 Dec 2020 11:12

Tgt Ion: 78 Resp: 94629



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.180 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.01 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

Tgt Ion: 95 Resp: 25168

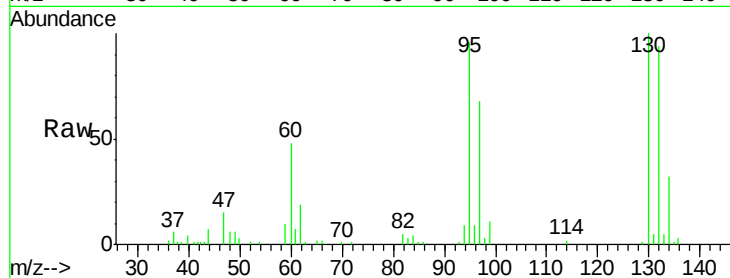
Ion Ratio Lower Upper

95 100

97 70.3 44.1 81.9

132 98.4 61.2 113.8

130 104.1 65.1 120.9

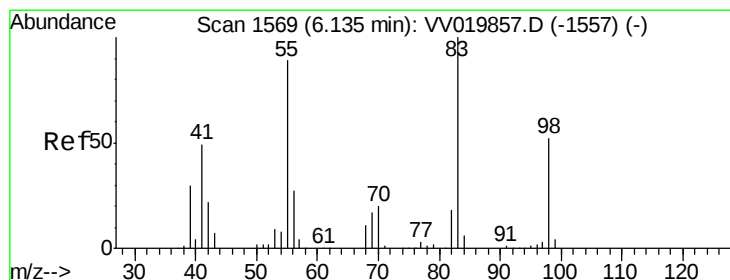
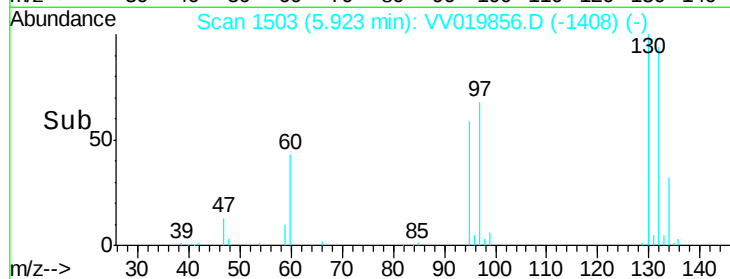
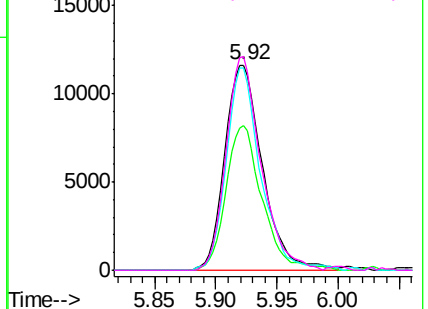


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 1.085 ug/L

RT: 6.13 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

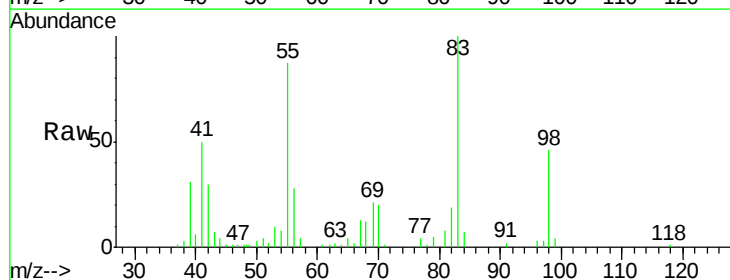
Tgt Ion: 83 Resp: 37801

Ion Ratio Lower Upper

83 100

55 83.7 67.5 101.3

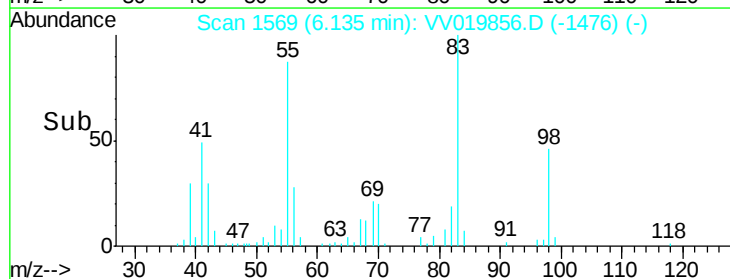
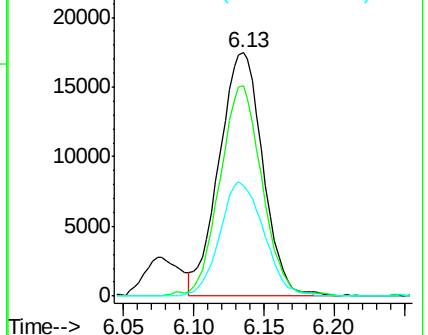
98 47.1 38.6 58.0

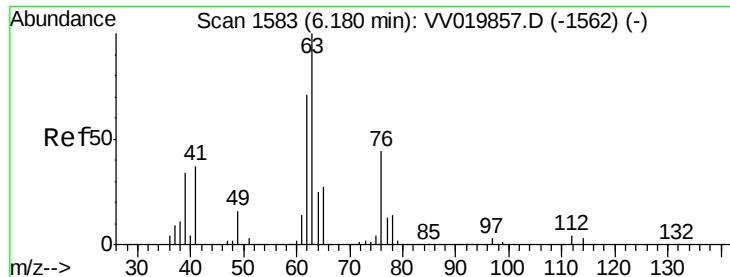


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

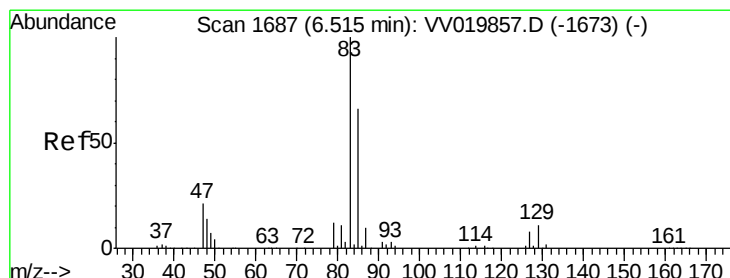
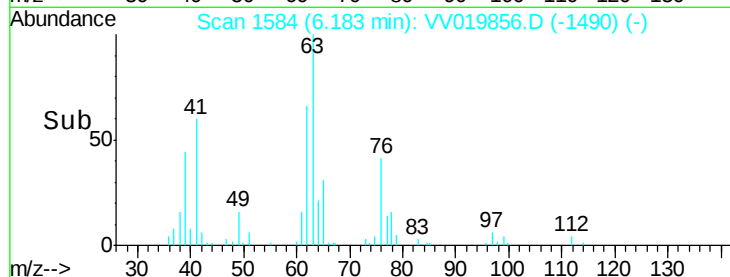
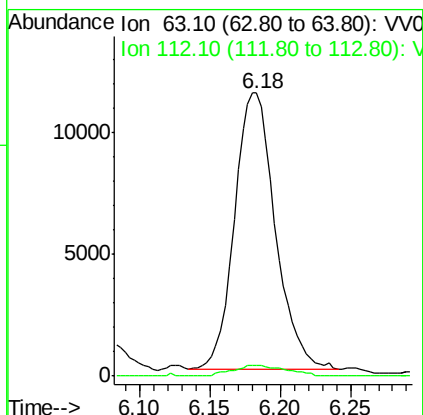
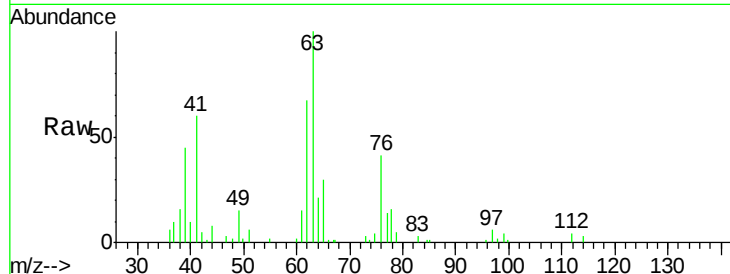




#37
 1,2-Dichloropropane
 Concen: 1.255 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

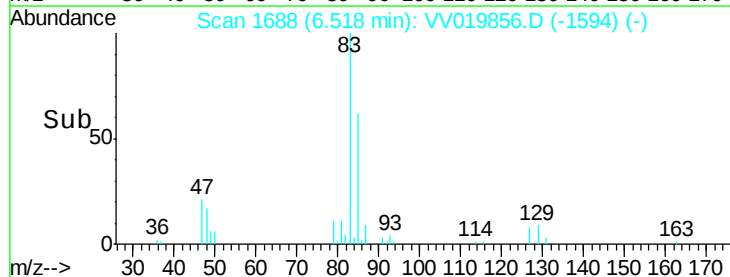
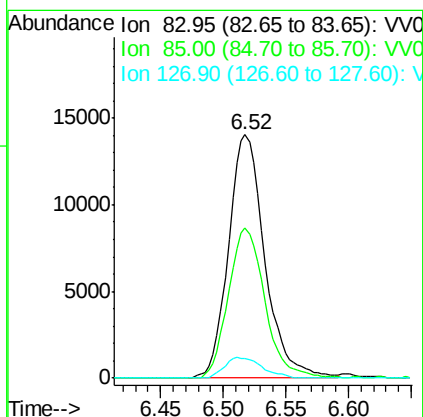
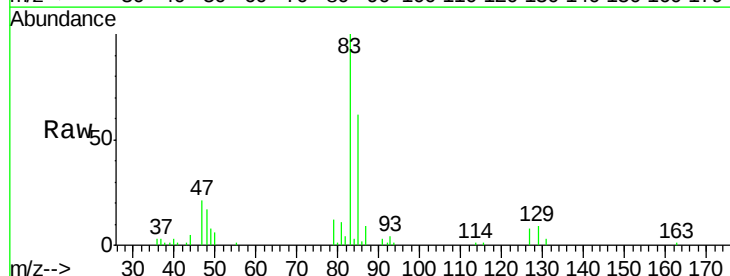
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

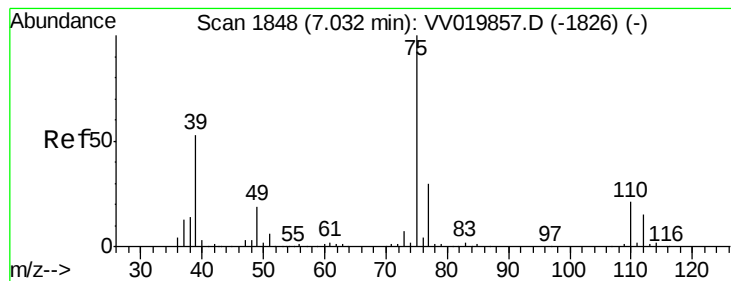
Tgt Ion: 63 Resp: 22955
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 1.135 ug/L
 RT: 6.52 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion: 83 Resp: 28257
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.9 85.3
 127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 1.140 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

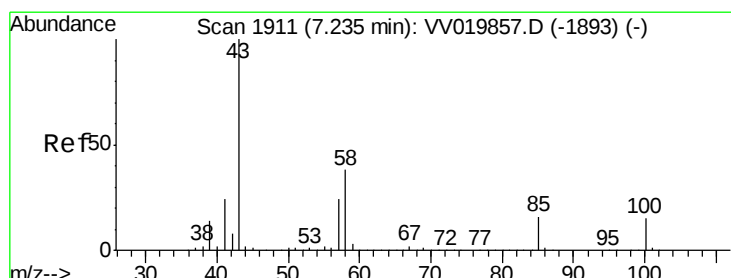
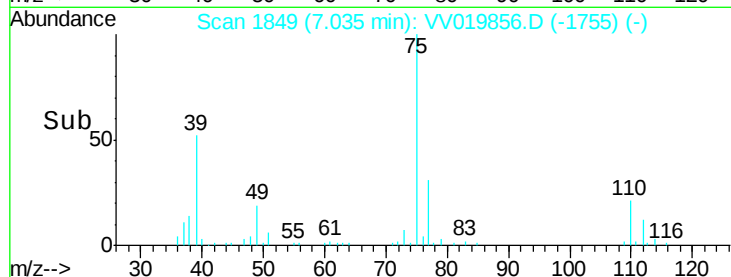
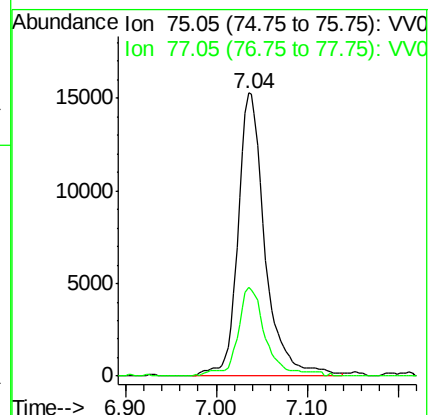
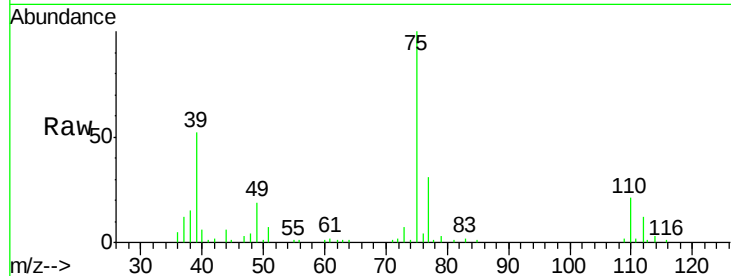
VSTD00163

Tgt Ion: 75 Resp: 31666

Ion Ratio Lower Upper

75 100

77 31.2 21.0 39.0



#40

4-Methyl-2-pentanone

Concen: 14.164 ug/L

RT: 7.24 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

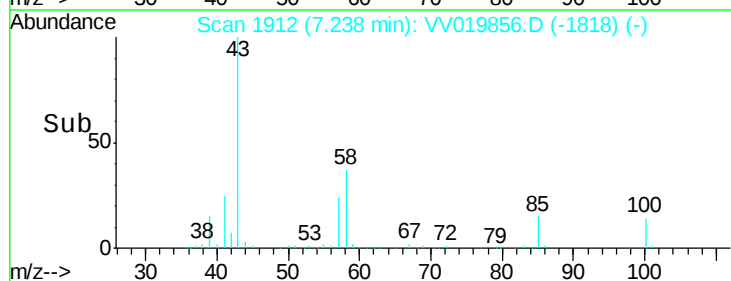
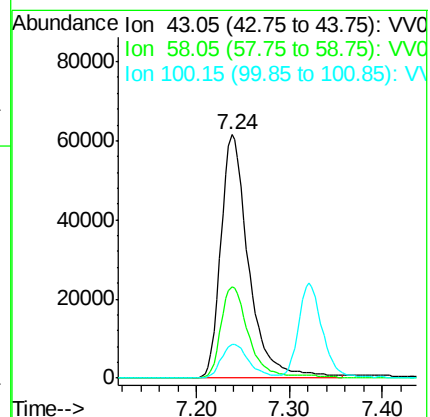
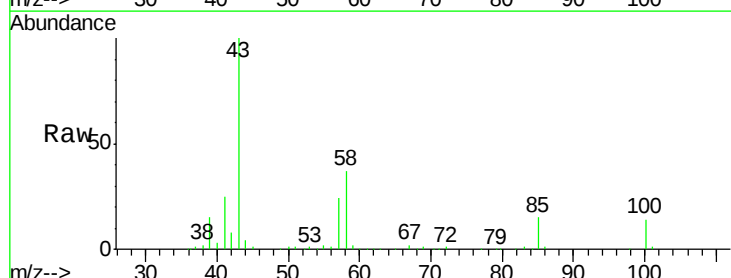
Tgt Ion: 43 Resp: 128410

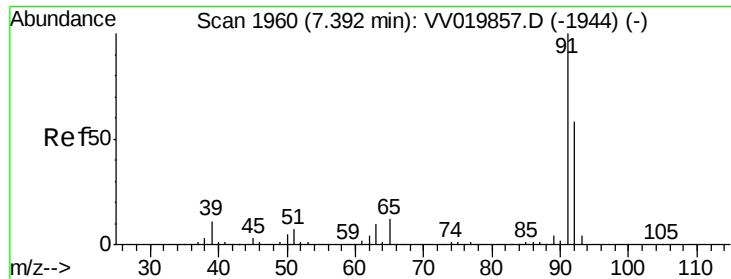
Ion Ratio Lower Upper

43 100

58 36.6 30.0 45.0

100 13.8 11.4 17.0





#42

Toluene

Concen: 1.148 ug/L

RT: 7.40 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

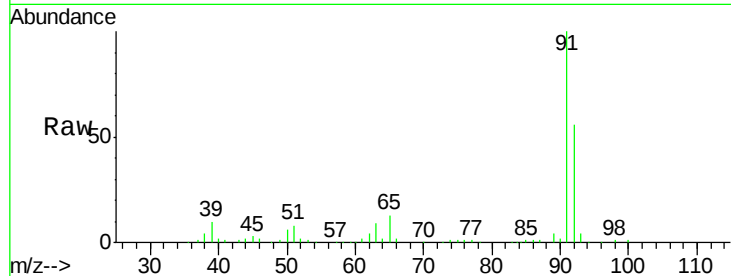
VSTD00163

Tgt Ion: 91 Resp: 93941

Ion Ratio Lower Upper

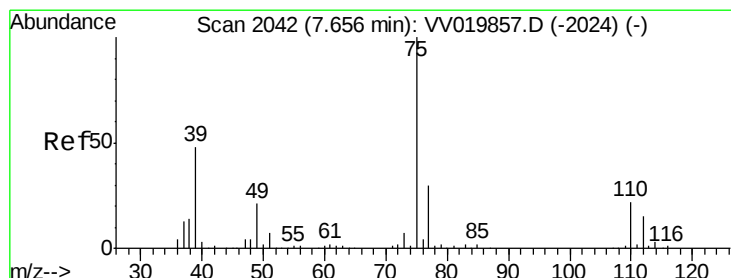
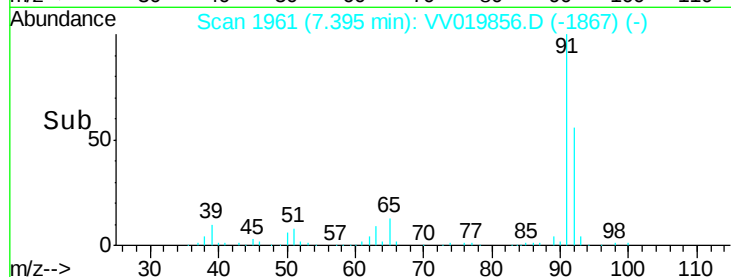
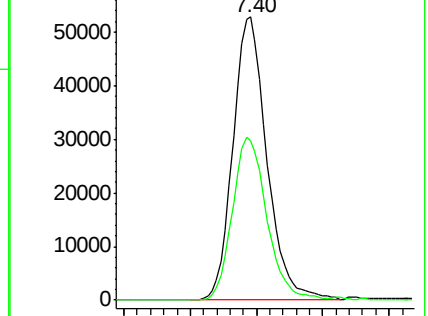
91 100

92 56.4 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.096 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. 0.01 min

Lab File: VV019856.D

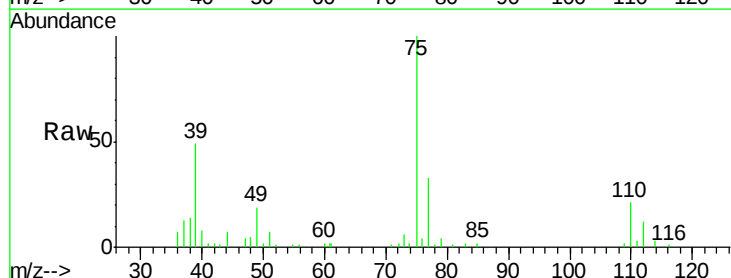
Acq: 29 Dec 2020 11:12

Tgt Ion: 75 Resp: 24406

Ion Ratio Lower Upper

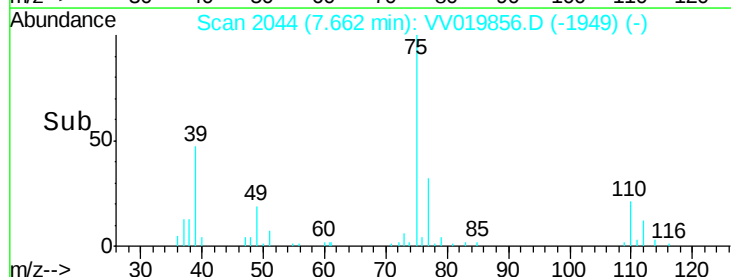
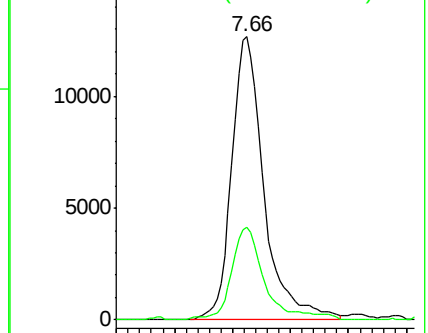
75 100

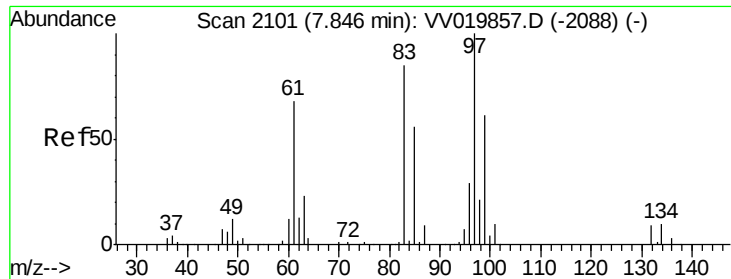
77 32.7 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

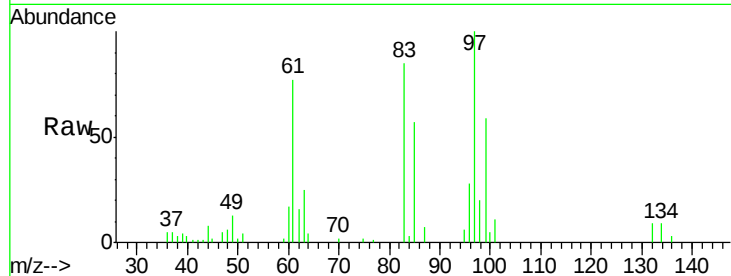




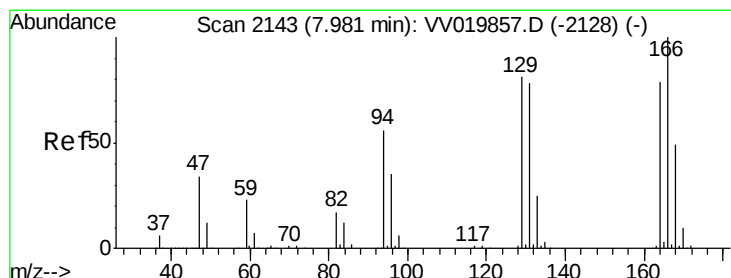
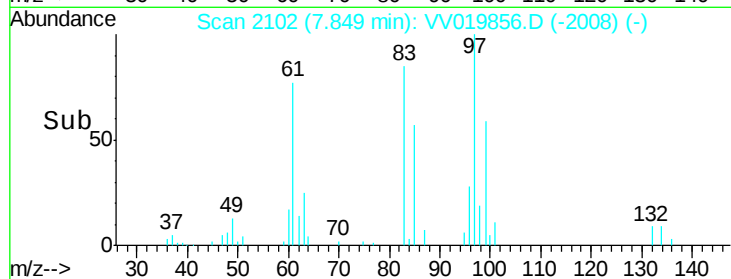
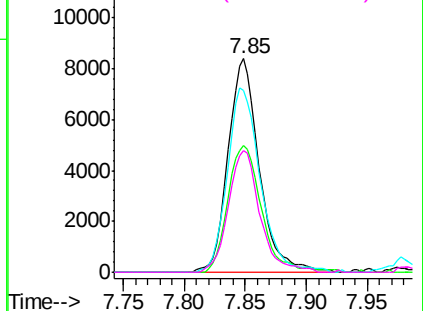
#45
 1,1,2-Trichloroethane
 Concen: 1.151 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

Tgt Ion:	97	Resp:	15035
Ion	Ratio	Lower	Upper
97	100		
99	59.2	42.4	78.8
83	85.2	59.4	110.4
85	56.7	39.5	73.3

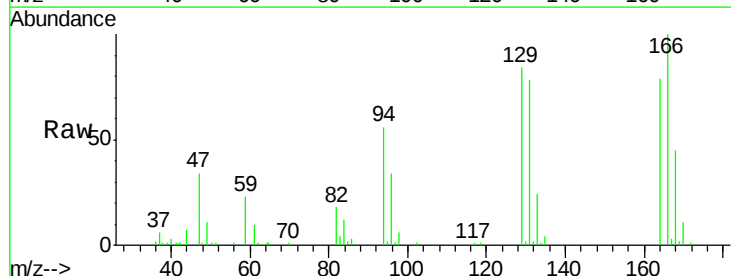


Abundance Ion 96.95 (96.65 to 97.65): VV019856.D (-2088) (-)
 Ion 99.05 (98.75 to 99.75): VV019856.D (-2088) (-)
 Ion 82.95 (82.65 to 83.65): VV019856.D (-2088) (-)
 Ion 85.00 (84.70 to 85.70): VV019856.D (-2088) (-)

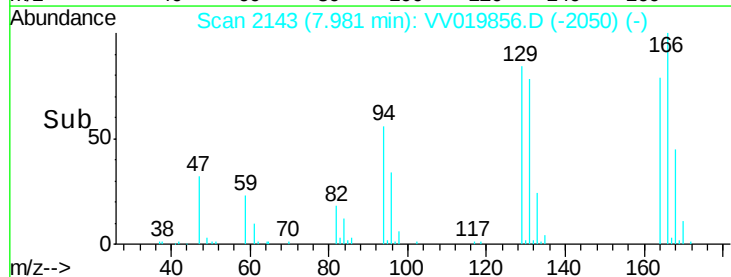
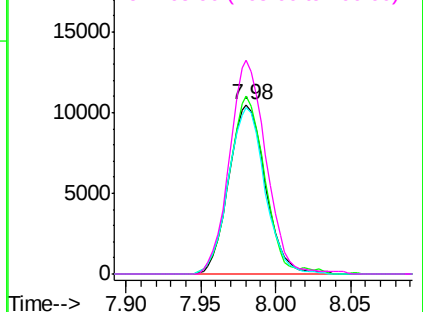


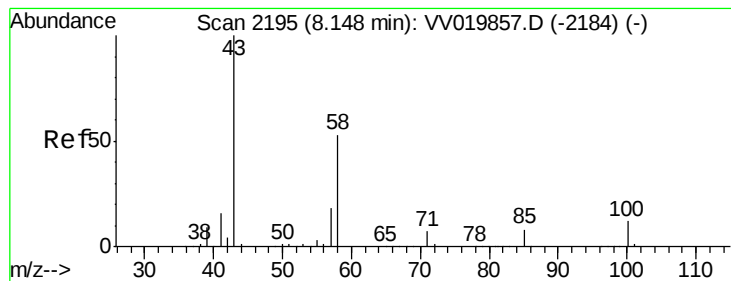
#47
 Tetrachloroethene
 Concen: 1.099 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion:	164	Resp:	17913
Ion	Ratio	Lower	Upper
164	100		
129	105.3	72.1	133.9
131	97.9	68.9	127.9
166	126.0	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VV019856.D (-2050) (-)
 Ion 128.95 (128.65 to 129.65): VV019856.D (-2050) (-)
 Ion 130.95 (130.65 to 131.65): VV019856.D (-2050) (-)
 Ion 165.90 (165.60 to 166.60): VV019856.D (-2050) (-)





#48

2-Hexanone

Concen: 13.255 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

Tgt Ion: 43 Resp: 86011

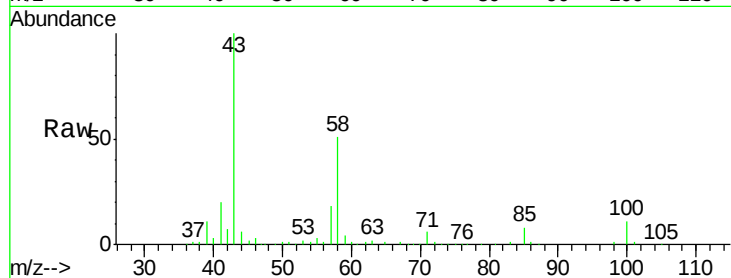
Ion Ratio Lower Upper

43 100

58 52.9 42.4 63.6

57 17.2 14.8 22.2

100 12.3 9.1 13.7

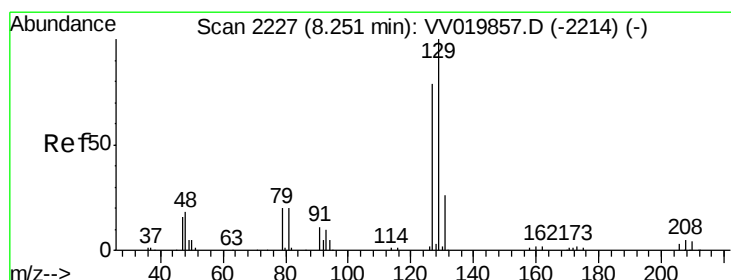
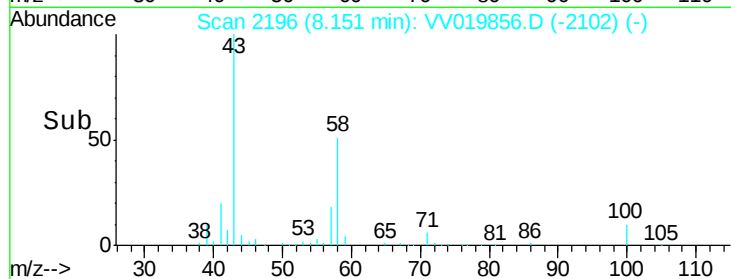
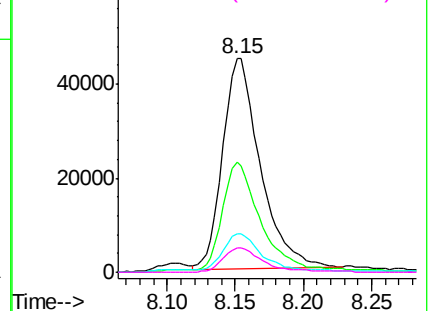


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.950 ug/L

RT: 8.25 min Scan# 2228

Delta R.T. 0.00 min

Lab File: VV019856.D

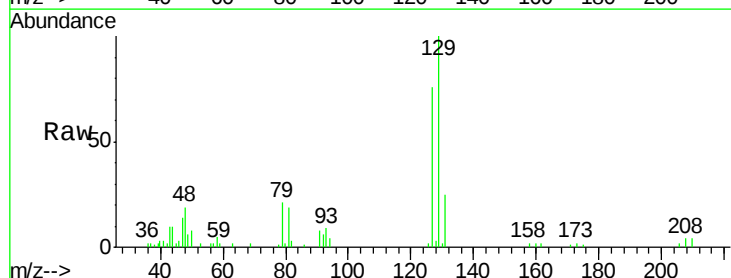
Acq: 29 Dec 2020 11:12

Tgt Ion: 129 Resp: 15414

Ion Ratio Lower Upper

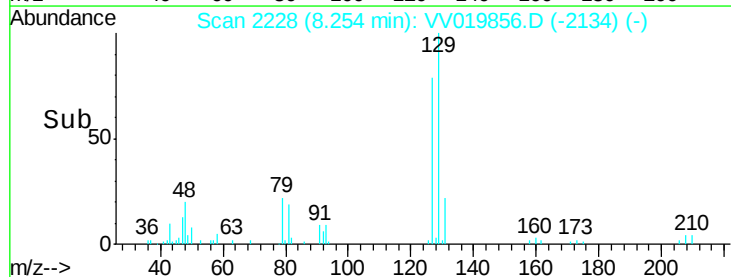
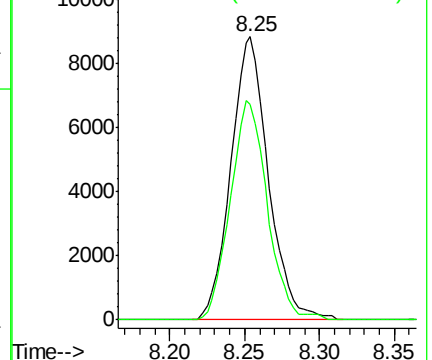
129 100

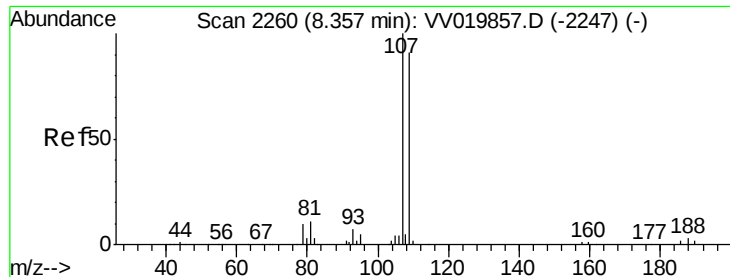
127 76.1 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

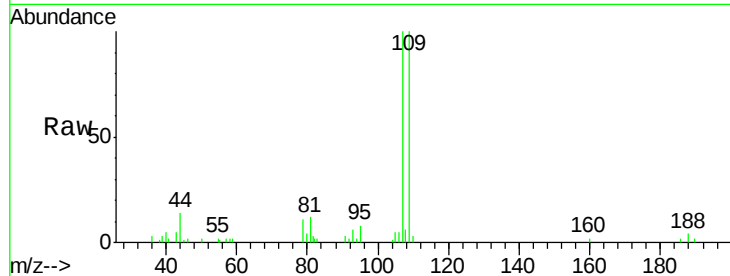




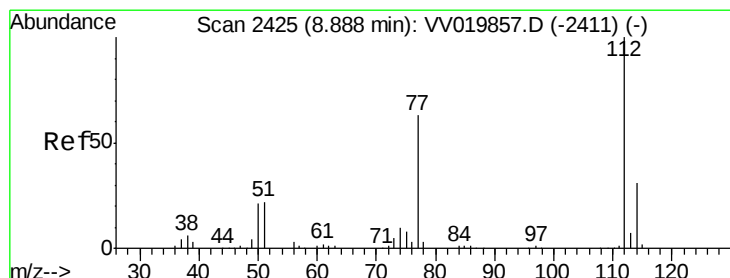
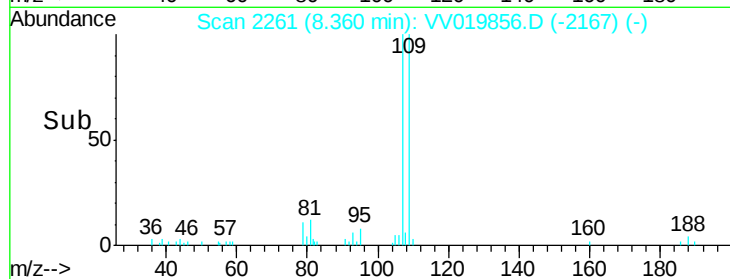
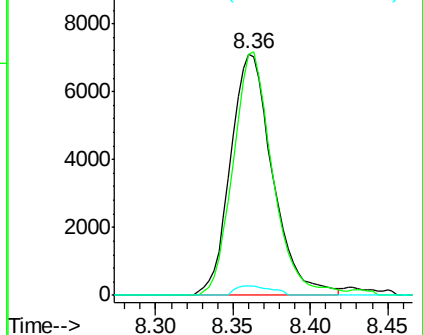
#50
1,2-Dibromoethane
Concen: 1.085 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Tgt Ion:107 Resp: 13418
Ion Ratio Lower Upper
107 100
109 100.2 63.8 118.4
188 4.1 2.5 3.7#

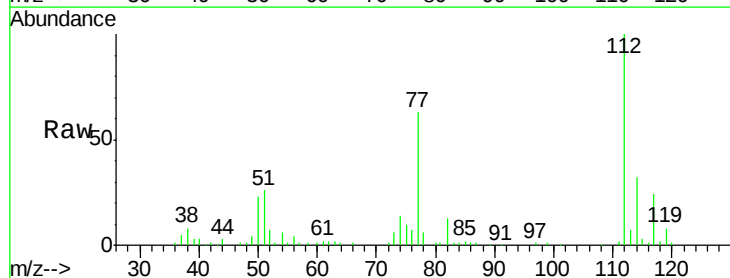


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

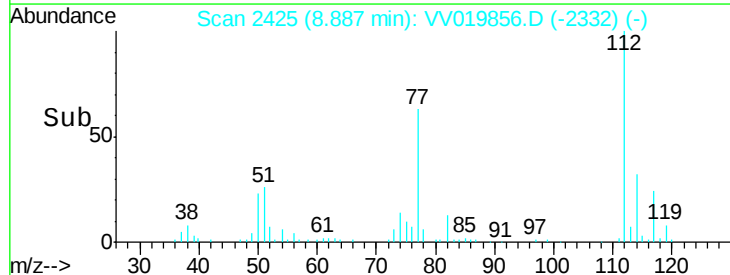
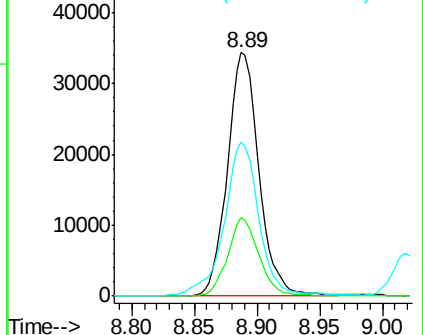


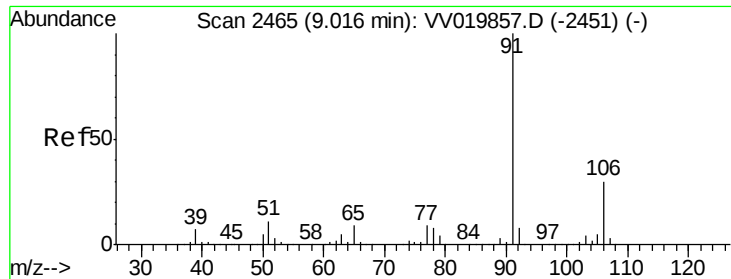
#51
Chlorobenzene
Concen: 1.122 ug/L
RT: 8.89 min Scan# 2425
Delta R.T. -0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Tgt Ion:112 Resp: 60106
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 63.1 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

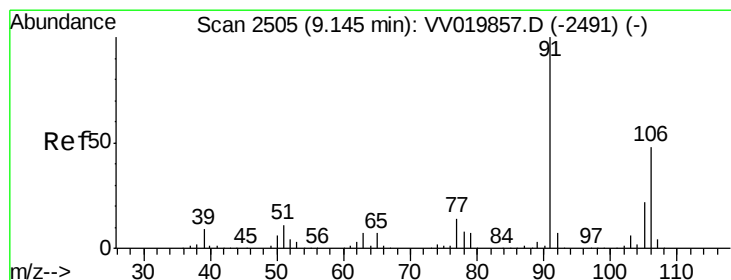
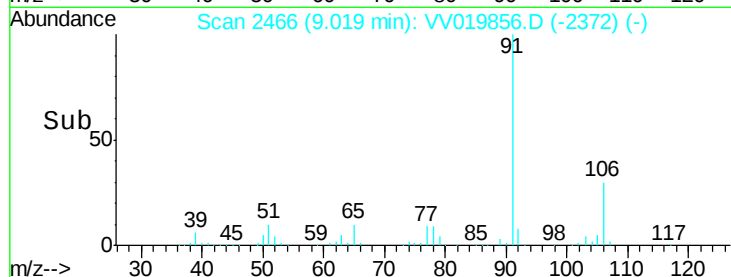
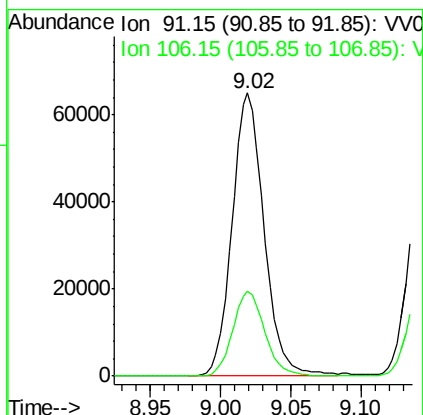
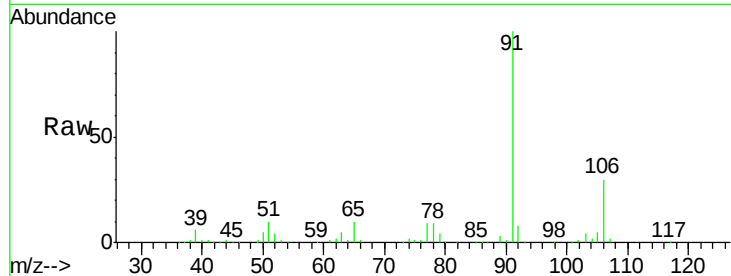




#52
Ethylbenzene
Concen: 1.115 ug/L
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

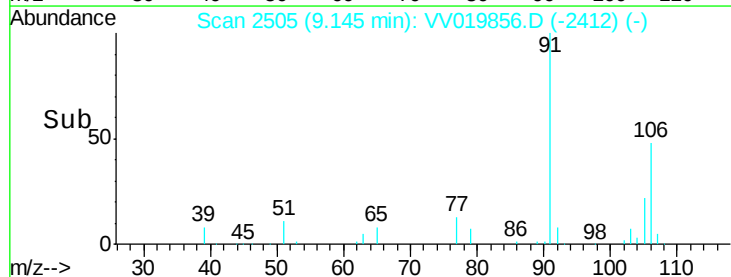
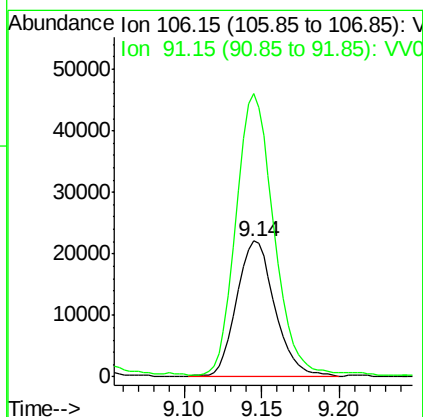
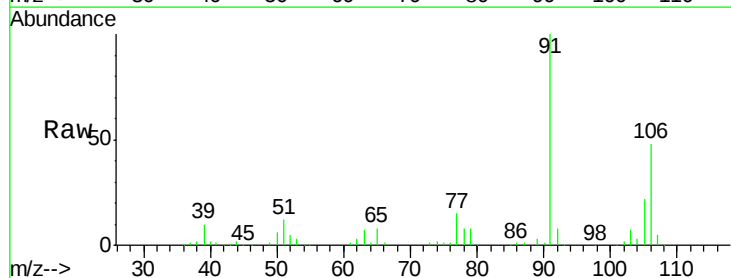
Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

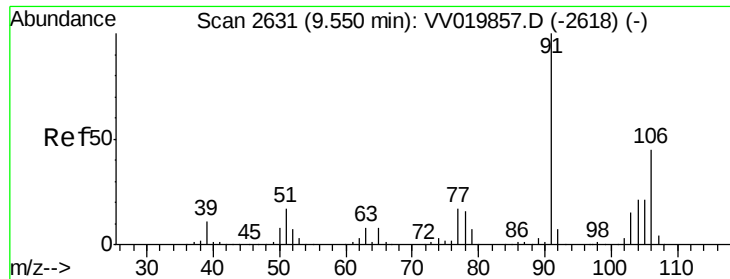
Tgt Ion: 91 Resp: 103137
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-xylene
Concen: 1.088 ug/L
RT: 9.14 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Tgt Ion: 106 Resp: 38191
Ion Ratio Lower Upper
106 100
91 208.3 147.1 273.1





#54

o-xylene

Concen: 1.042 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

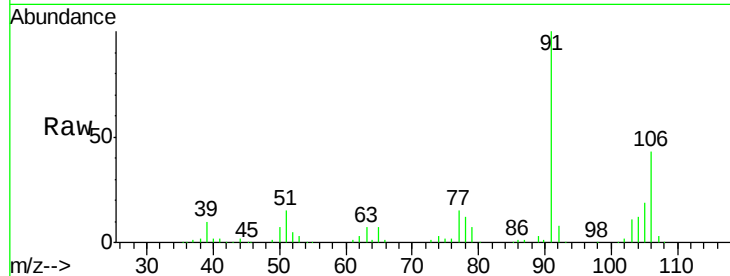
VSTD00163

Tgt Ion:106 Resp: 35238

Ion Ratio Lower Upper

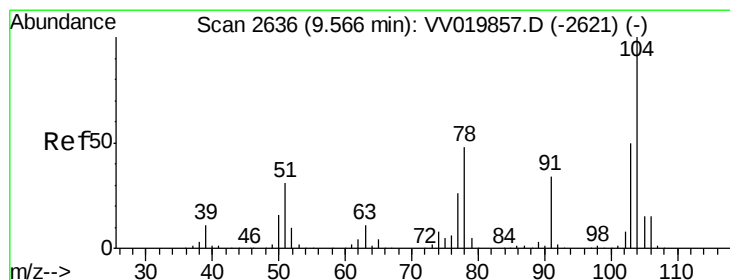
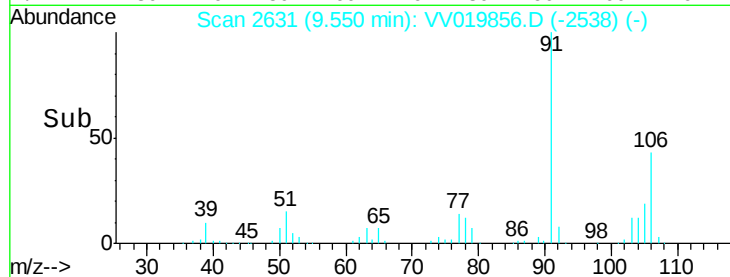
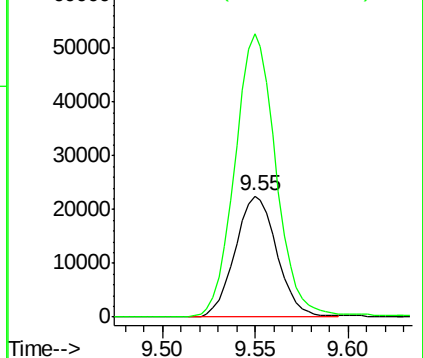
106 100

91 234.2 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.029 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VV019856.D

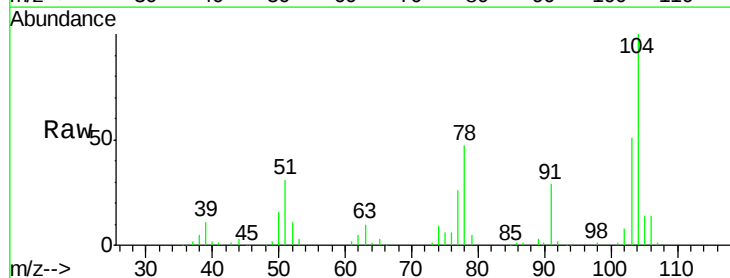
Acq: 29 Dec 2020 11:12

Tgt Ion:104 Resp: 57792

Ion Ratio Lower Upper

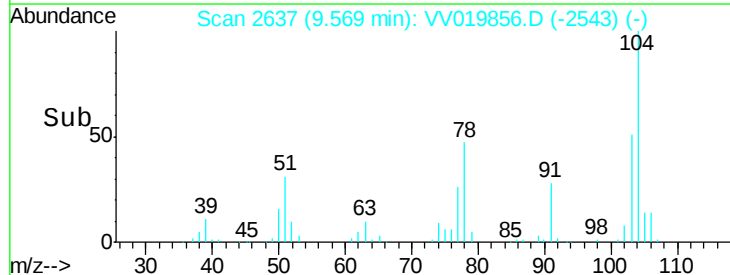
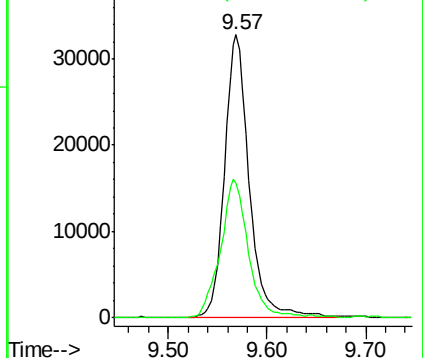
104 100

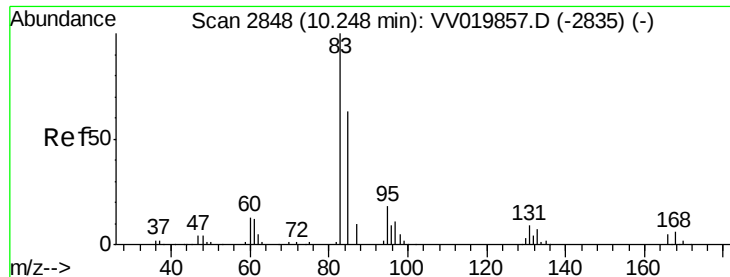
78 47.5 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

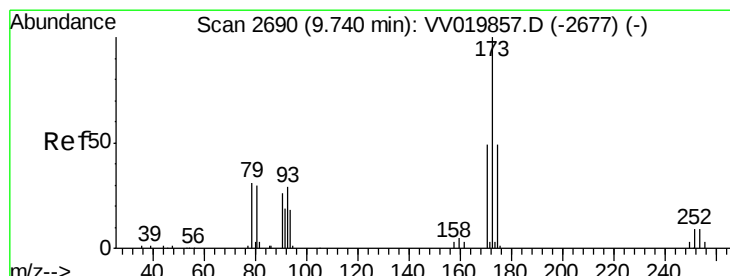
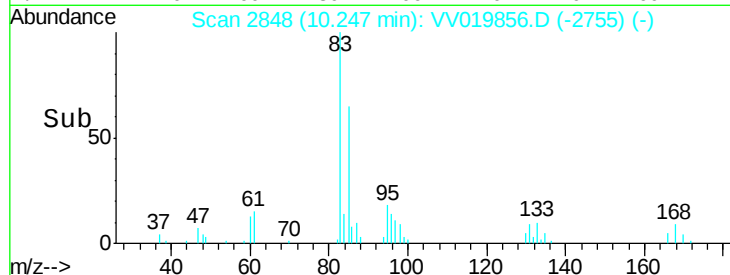
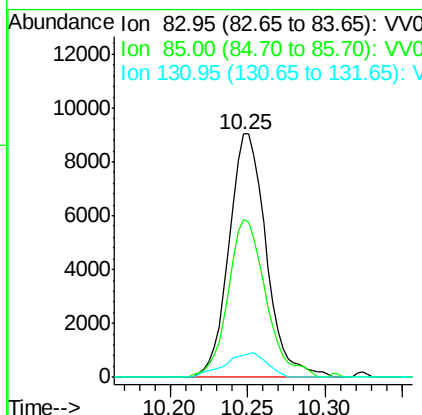
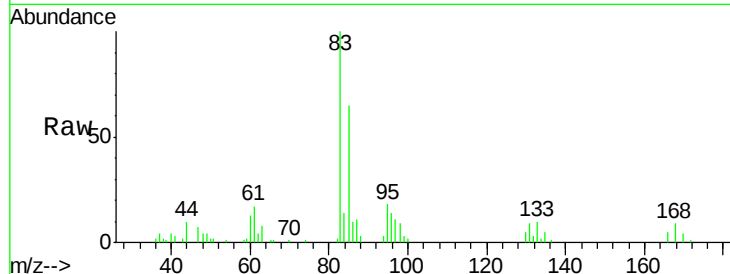




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.029 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

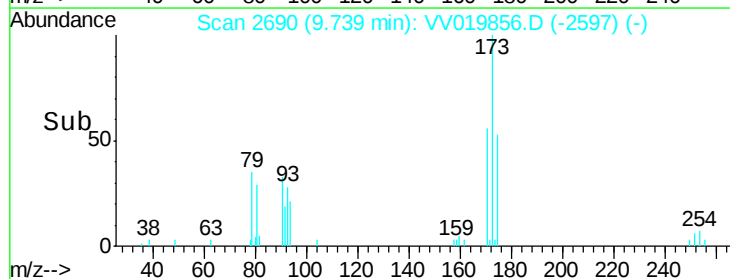
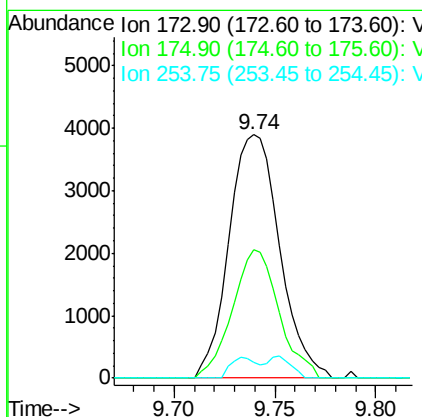
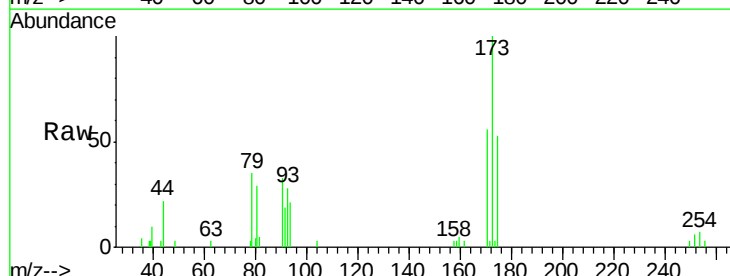
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

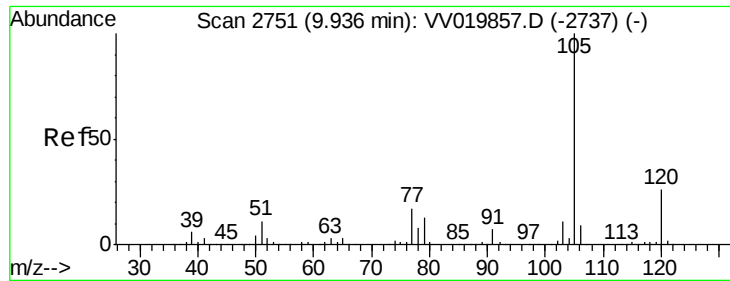
Tgt Ion: 83 Resp: 15078
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.3 82.3
 131 9.0 7.4 11.2



#59
 Bromoform
 Concen: 0.848 ug/L
 RT: 9.74 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion: 173 Resp: 6864
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.3 57.5
 254 4.5 6.4 9.6#





#60

Isopropylbenzene

Concen: 1.087 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

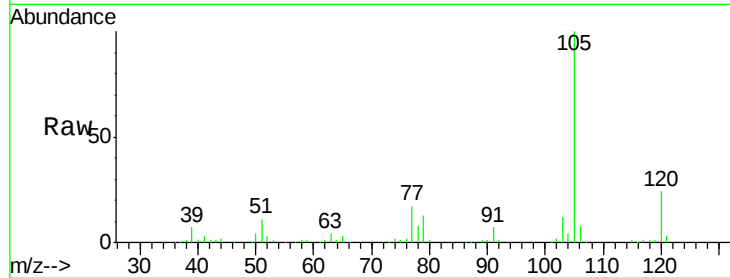
Tgt Ion: 105 Resp: 99480

Ion Ratio Lower Upper

105 100

120 24.5 20.4 30.6

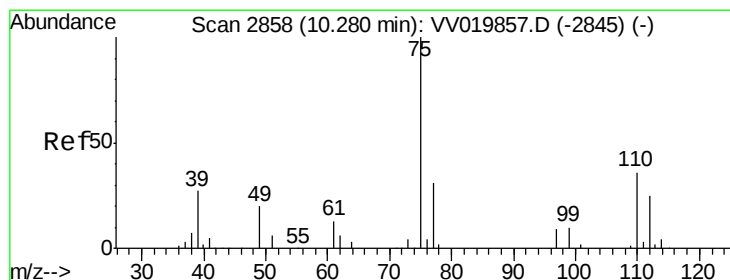
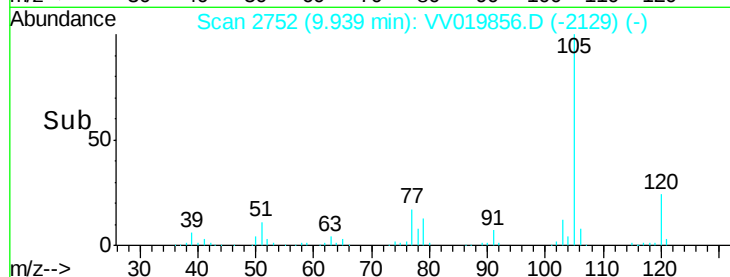
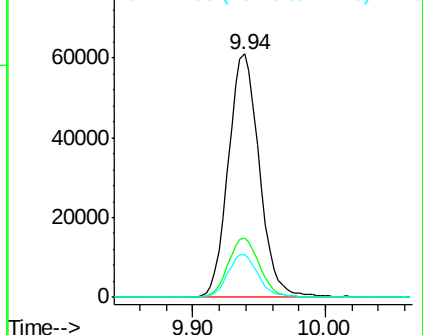
77 17.4 13.7 20.5



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



#61

1,2,3-Trichloropropane

Concen: 1.232 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV019856.D

Acq: 29 Dec 2020 11:12

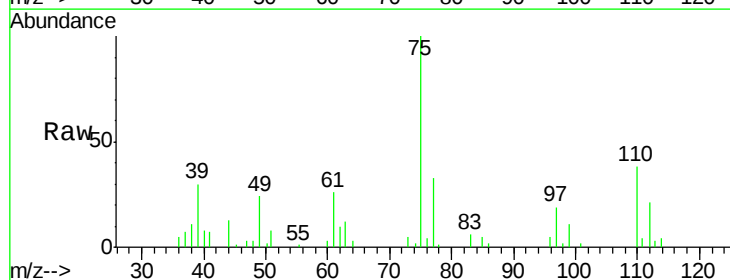
Tgt Ion: 75 Resp: 13294

Ion Ratio Lower Upper

75 100

77 33.5 25.6 38.4

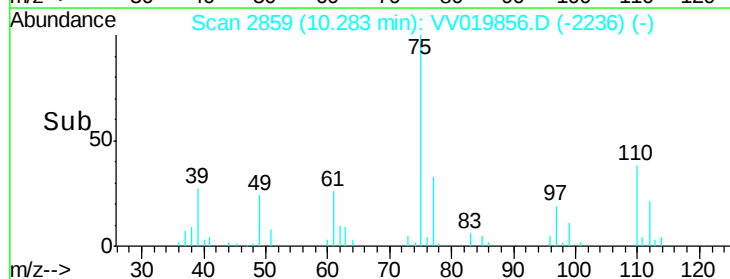
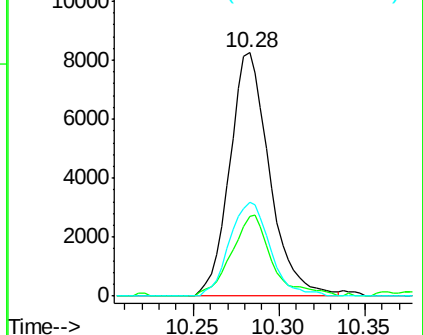
110 39.1 30.5 45.7

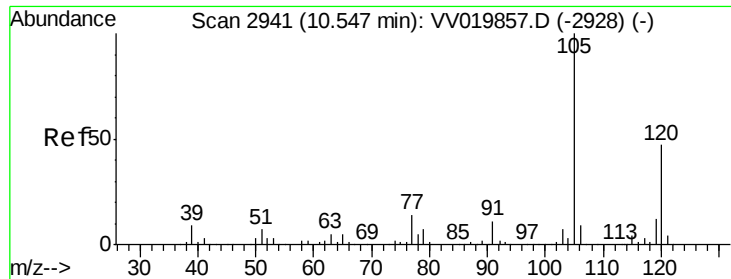


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

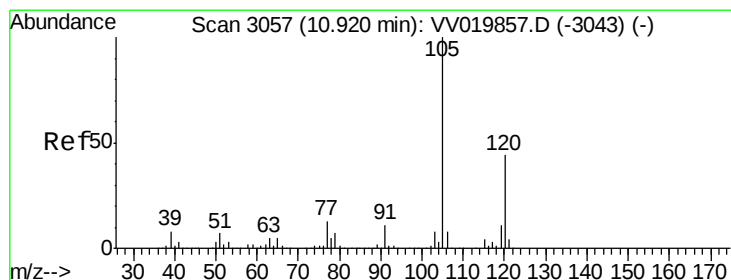
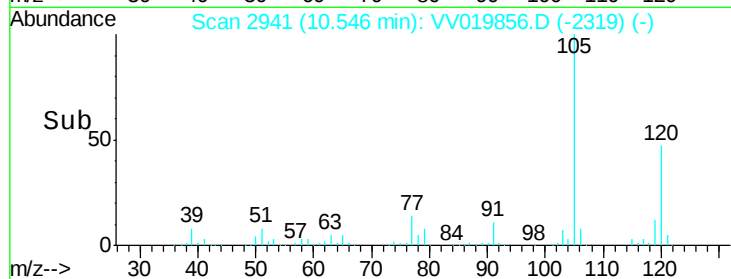
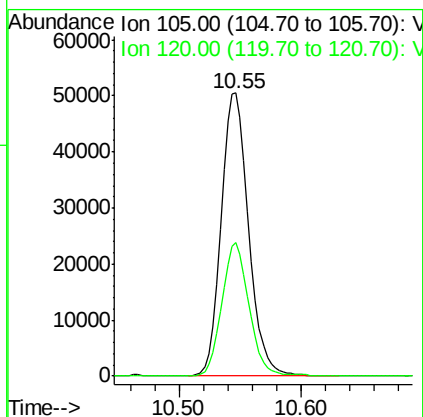
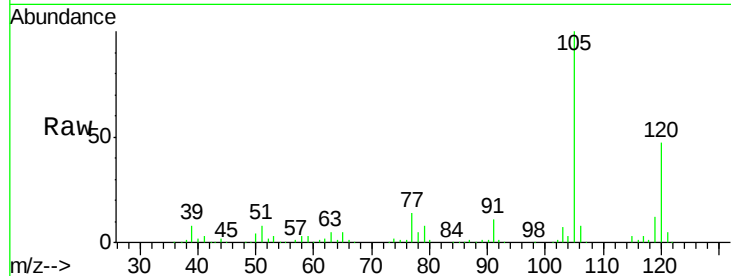




#62
 1,3,5-Trimethylbenzene
 Concen: 1.051 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

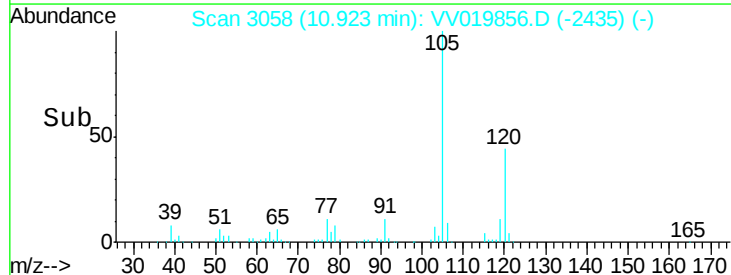
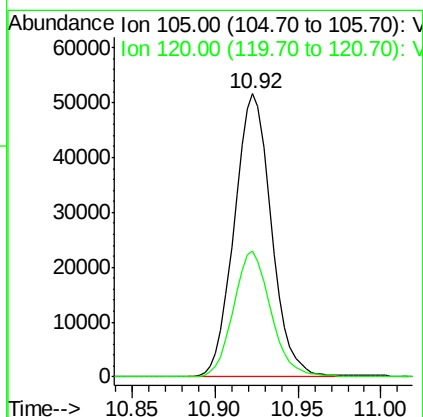
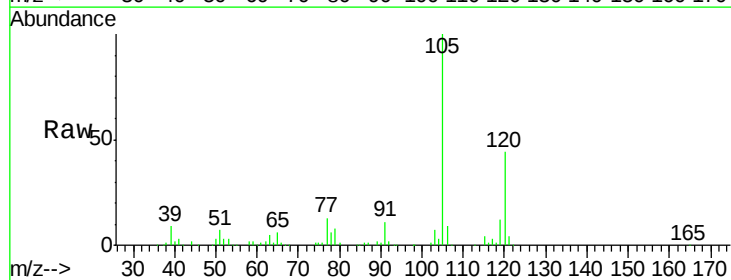
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

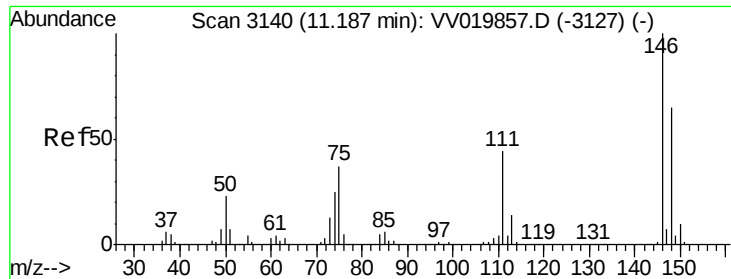
Tgt Ion:105 Resp: 80052
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 1.062 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion:105 Resp: 80075
 Ion Ratio Lower Upper
 105 100
 120 44.9 34.9 52.3

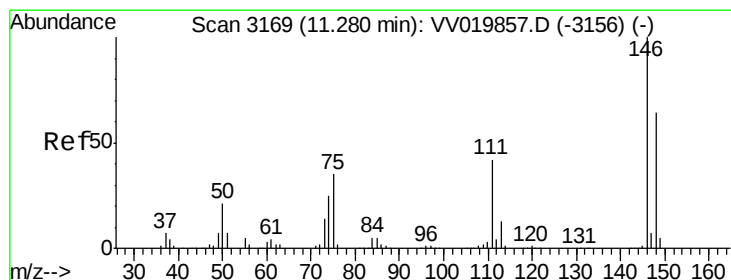
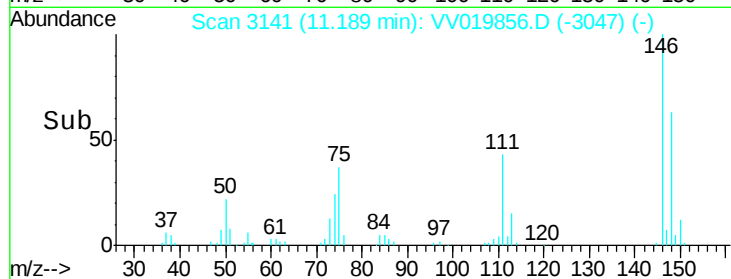
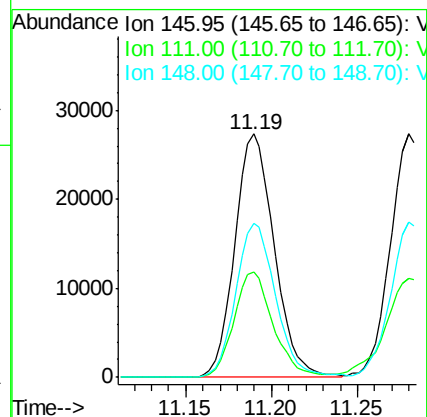
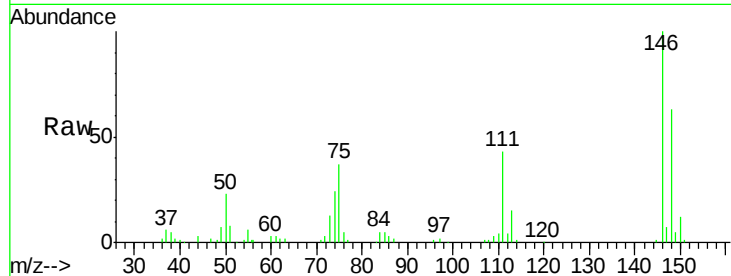




#64
 1,3-Dichlorobenzene
 Concen: 1.032 ug/L
 RT: 11.19 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

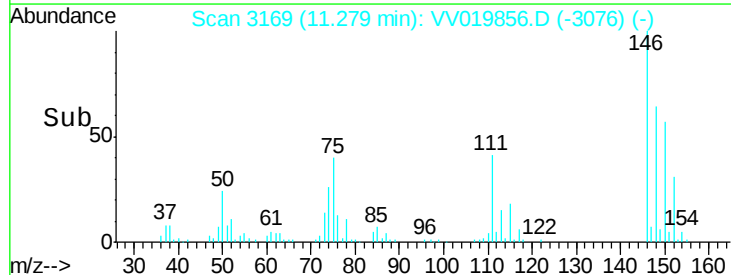
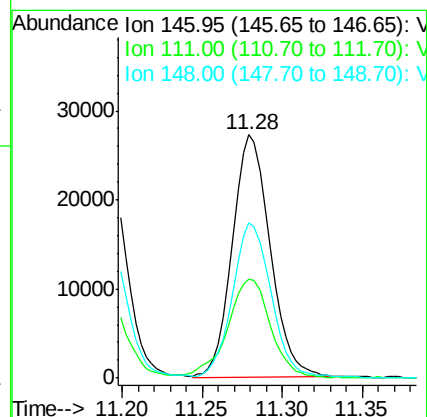
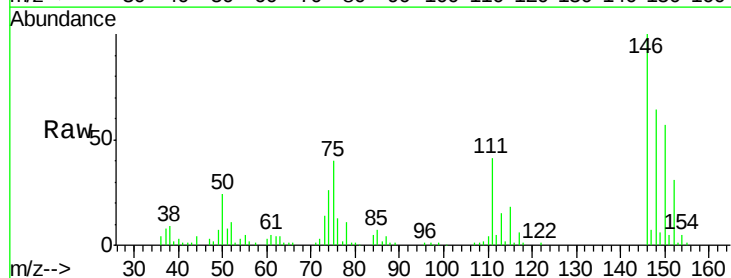
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

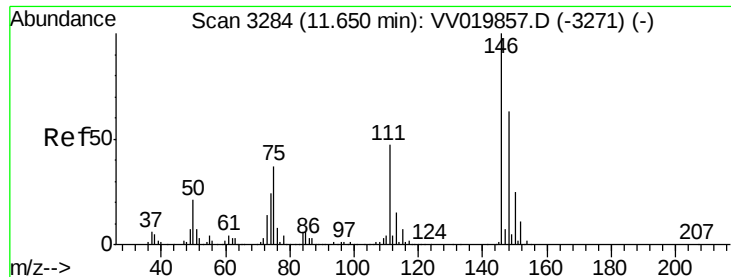
Tgt Ion:146 Resp: 43812
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.4 56.5
 148 63.4 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 1.056 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion:146 Resp: 43972
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.7 55.1
 148 63.6 45.1 83.7

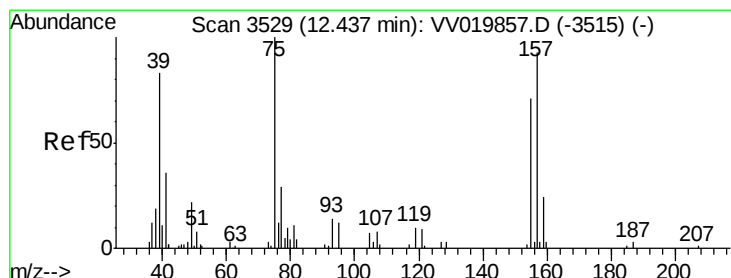
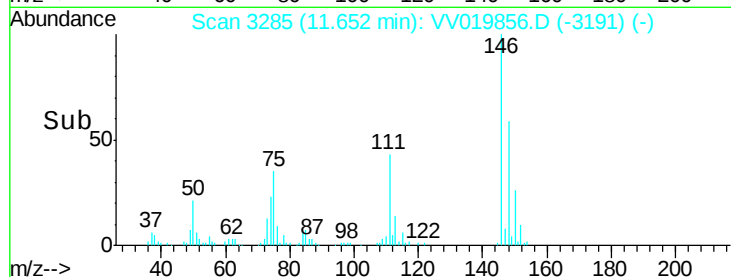
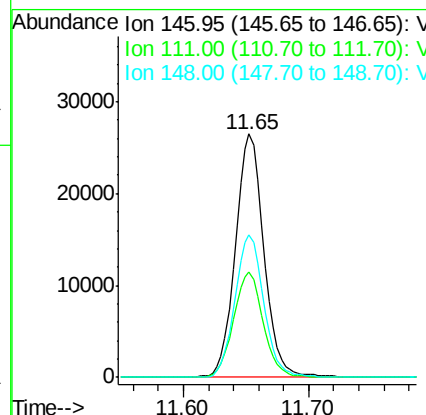
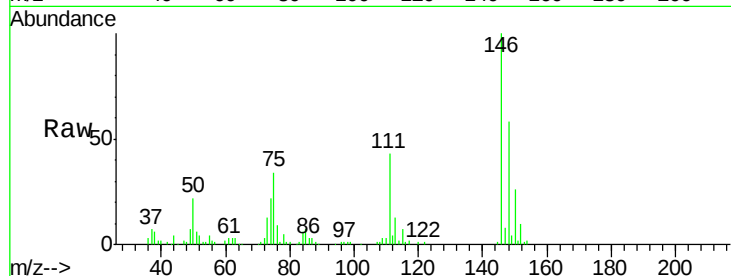




#67
 1,2-Dichlorobenzene
 Concen: 1.110 ug/L
 RT: 11.65 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

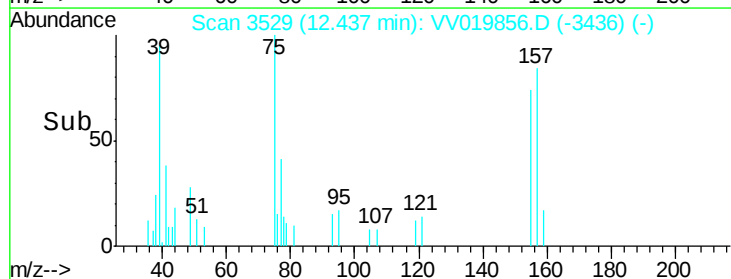
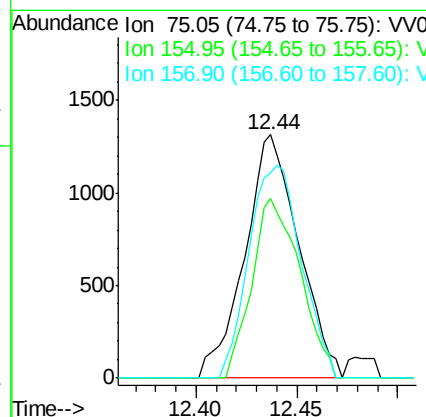
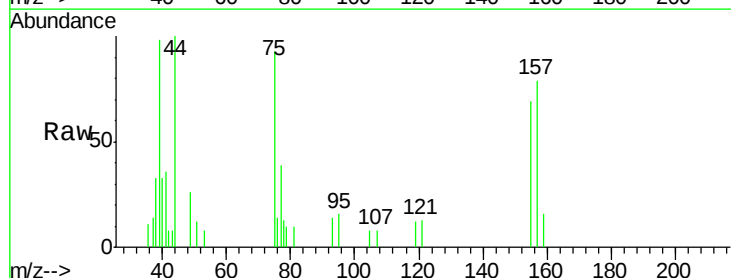
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

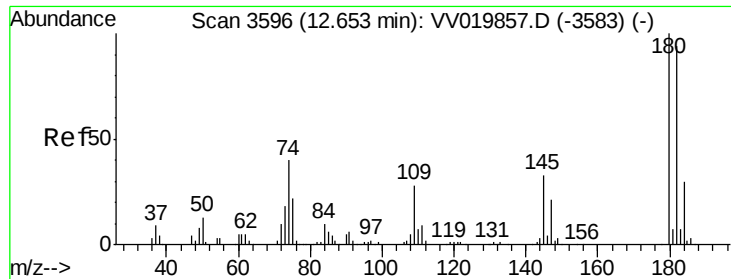
Tgt Ion: 146 Resp: 41723
 Ion Ratio Lower Upper
 146 100
 111 43.1 37.7 56.5
 148 58.4 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.991 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. -0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion: 75 Resp: 2455
 Ion Ratio Lower Upper
 75 100
 155 73.8 56.5 84.7
 157 84.4 74.2 111.2

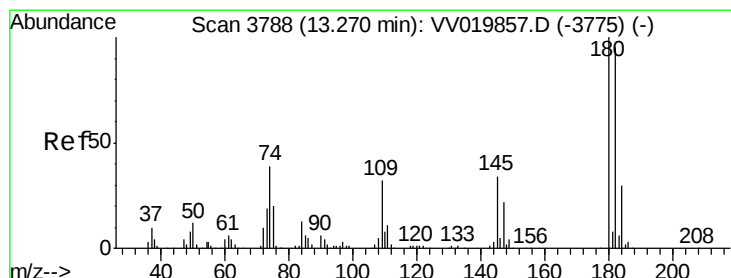
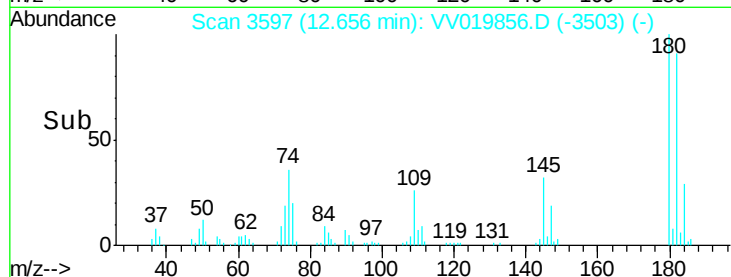
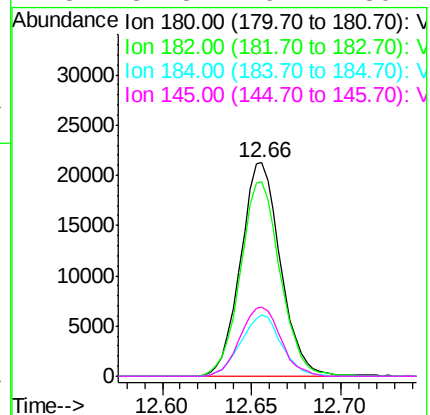
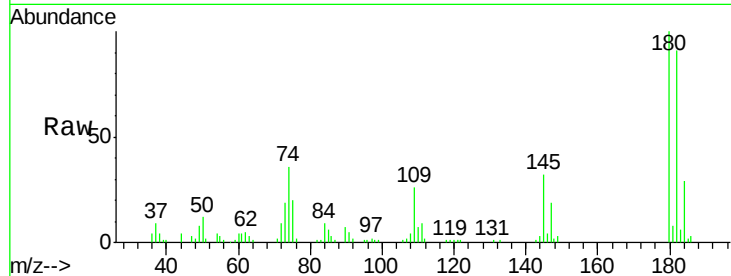




#69
 1,3,5-Trichlorobenzene
 Concen: 1.061 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

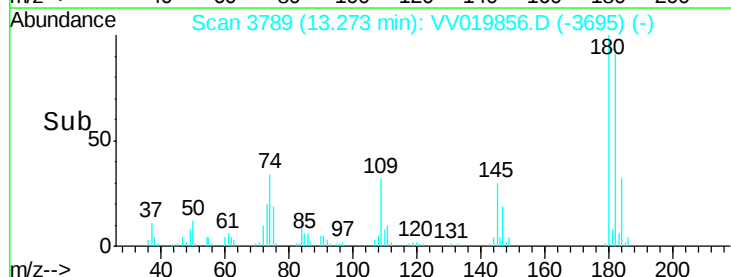
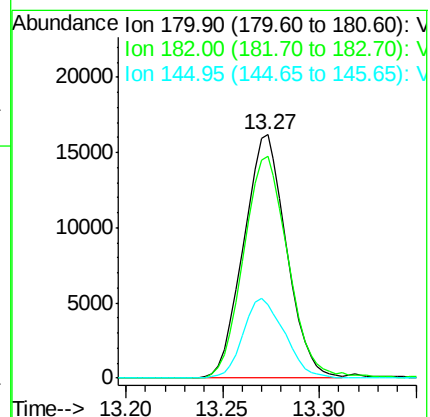
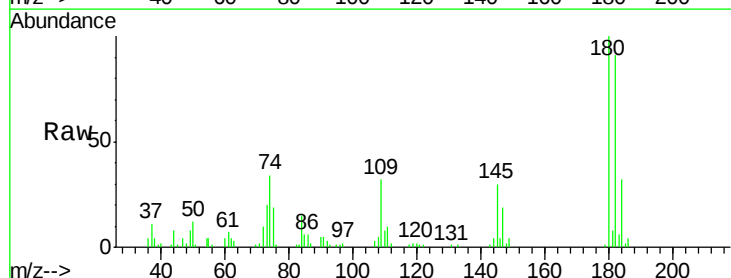
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

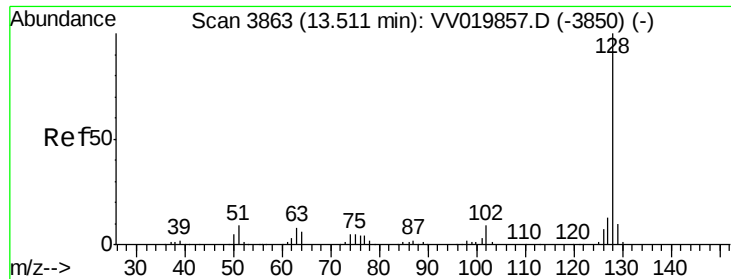
Tgt Ion:180 Resp: 33232
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.9 113.9
 184 29.1 23.5 35.3
 145 32.8 26.2 39.2



#70
 1,2,4-trichlorobenzene
 Concen: 0.959 ug/L
 RT: 13.27 min Scan# 3789
 Delta R.T. 0.00 min
 Lab File: VV019856.D
 Acq: 29 Dec 2020 11:12

Tgt Ion:180 Resp: 24980
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.9 113.9
 145 31.7 26.6 39.8

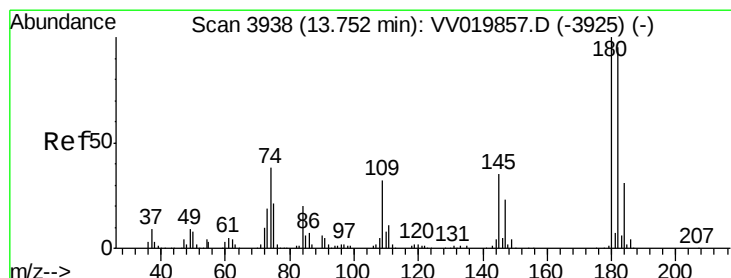
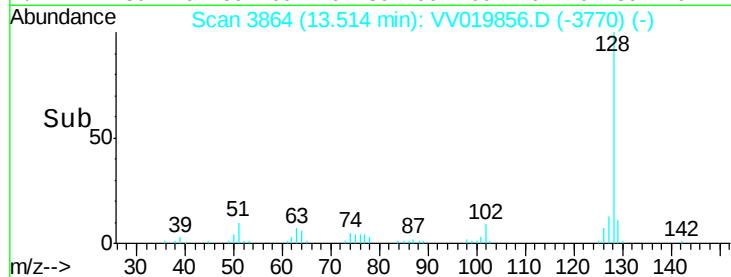
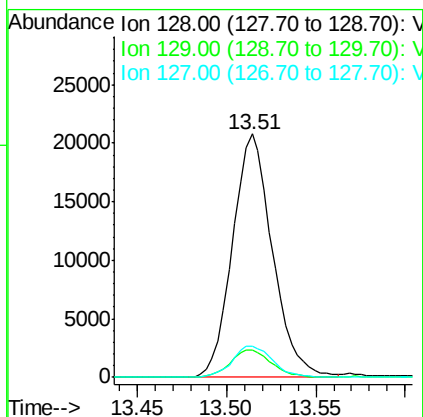
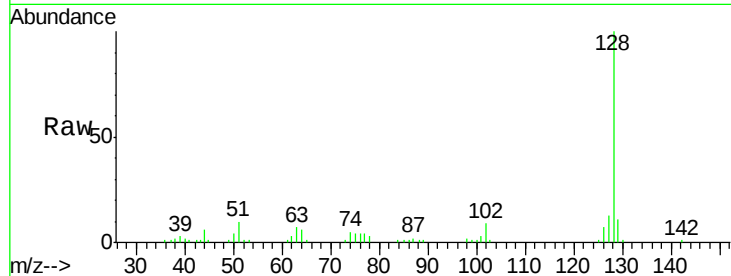




#71
Naphthalene
Concen: 0.744 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Instrument :
MSVOA_V
ClientSampled :
VSTD00163

Tgt Ion:128 Resp: 32387
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.897 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VV019856.D
Acq: 29 Dec 2020 11:12

Tgt Ion:180 Resp: 20412
Ion Ratio Lower Upper
180 100
182 100.5 74.6 112.0
145 36.5 28.8 43.2

