

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123020\
 Data File : VV019875.D
 Acq On : 30 Dec 2020 13:17
 Operator : SY/MD
 Sample : L4485-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 02:05:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	273099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	257635	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.26	152	120004	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91179	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.57	69	78102	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.11	63	145081	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.94	46	196988	47.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.02%
24) Chloroform-d	4.35	84	158716	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.04	65	87840	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.05	84	329739	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.08	67	104351	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.32	98	283021	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.63	79	32291	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.10	63	124792	41.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.86%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	58235	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
66) 1,2-Dichlorobenzene-d4	11.63	152	90242	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	7410	0.284	ug/L 98
3) Chloromethane	1.24	50	8056	0.279	ug/L 99
5) Vinyl chloride	1.31	62	7892	0.278	ug/L 88
6) Bromomethane	1.52	94	4658	0.281	ug/L 97
8) Chloroethane	1.59	64	5142	0.297	ug/L 89
9) Trichlorofluoromethane	1.75	101	9147	0.266	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	6728	0.363	ug/L 90
12) 1,1-Dichloroethene	2.12	96	6165	0.326	ug/L # 1
14) Carbon disulfide	2.29	76	17454	0.266	ug/L 100
16) Methylene chloride	2.51	84	9125	0.396	ug/L 93
17) Methyl tert-butyl Ether	2.78	73	11382	0.240	ug/L # 91
18) trans-1,2-Dichloroethene	2.76	96	5527	0.259	ug/L 87
19) 1,1-Dichloroethane	3.20	63	10888	0.263	ug/L 98
22) cis-1,2-Dichloroethene	3.93	96	5792	0.261	ug/L 98
23) Bromochloromethane	4.26	128	2473	0.279	ug/L 97
25) Chloroform	4.38	83	20369	0.495	ug/L 97
27) 1,2-Dichloroethane	5.14	62	6253	0.249	ug/L 97

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

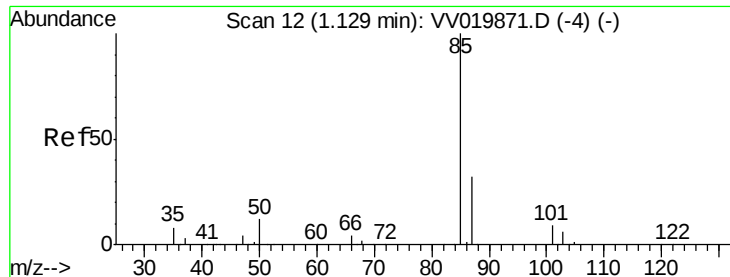
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 31 02:05:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

29) 1,1,1-Trichloroethane	4.62	97	9028	0.257	ug/L #	86
30) Cyclohexane	4.68	56	9699	0.274	ug/L	98
31) Carbon tetrachloride	4.83	117	7558	0.263	ug/L	93
33) Benzene	5.11	78	23196	0.269	ug/L	100
34) Trichloroethene	5.92	95	6247	0.271	ug/L	94
35) Methylcyclohexane	6.14	83	9027	0.262	ug/L	96
37) 1,2-Dichloropropane	6.19	63	5474	0.253	ug/L #	91
38) Bromodichloromethane	6.52	83	7155	0.268	ug/L #	91
39) cis-1,3-Dichloropropene	7.04	75	7284	0.245	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	28831	2.360	ug/L #	90
42) Toluene	7.40	91	22902	0.261	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	6515	0.268	ug/L	92
45) 1,1,2-Trichloroethane	7.85	97	3519	0.252	ug/L	92
47) Tetrachloroethene	7.98	164	4559	0.291	ug/L	84
48) 2-Hexanone	8.15	43	37096	4.381	ug/L	91
49) Dibromochloromethane	8.25	129	3525	0.233	ug/L	97
50) 1,2-Dibromoethane	8.36	107	3163	0.249	ug/L #	91
51) Chlorobenzene	8.89	112	15081	0.272	ug/L	98
52) Ethylbenzene	9.02	91	23745	0.245	ug/L	97
53) m,p-xylene	9.15	106	9450	0.266	ug/L	89
54) o-xylene	9.55	106	8337	0.245	ug/L	91
55) Styrene	9.57	104	12767	0.222	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.25	83	4113	0.278	ug/L #	91
59) Bromoform	9.74	173	1581	0.243	ug/L #	89
60) Isopropylbenzene	9.94	105	21705	0.248	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	3056	0.263	ug/L	94
62) 1,3,5-Trimethylbenzene	10.55	105	17162	0.238	ug/L	98
63) 1,2,4-Trimethylbenzene	10.92	105	17570	0.239	ug/L	100
64) 1,3-Dichlorobenzene	11.19	146	9853	0.257	ug/L	98
65) 1,4-Dichlorobenzene	11.28	146	10908	0.283	ug/L	96
67) 1,2-Dichlorobenzene	11.65	146	9891	0.280	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.43	75	342	0.143	ug/L #	91
69) 1,3,5-Trichlorobenzene	12.66	180	7786	0.274	ug/L	98
70) 1,2,4-trichlorobenzene	13.27	180	5341	0.231	ug/L	94
71) Naphthalene	13.51	128	6362	0.182	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	4799	0.244	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.284 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

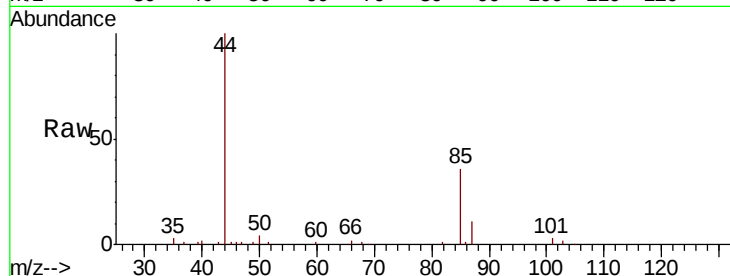
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 7410

Ion Ratio Lower Upper

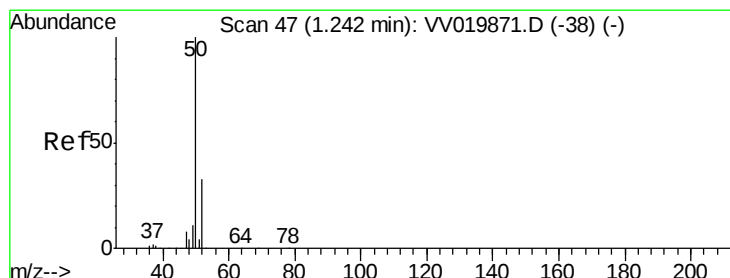
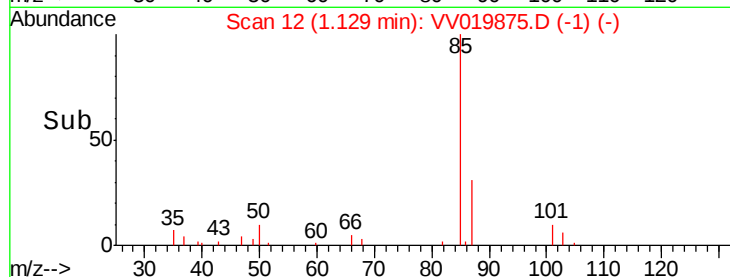
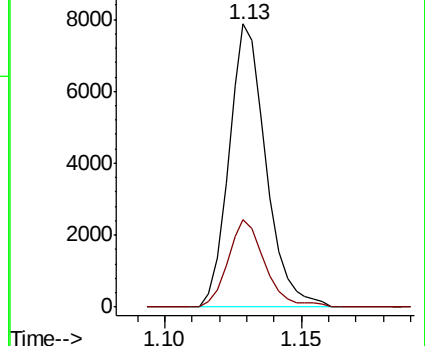
85 100

87 31.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.279 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019875.D

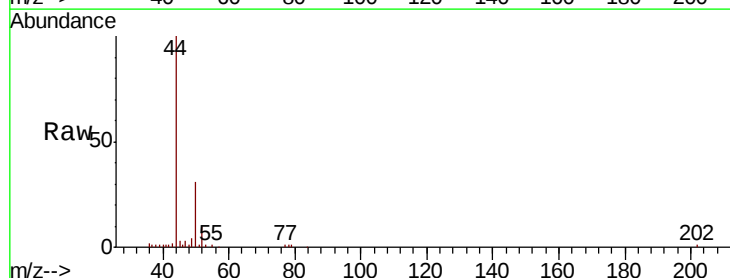
Acq: 30 Dec 2020 13:17

Tgt Ion: 50 Resp: 8056

Ion Ratio Lower Upper

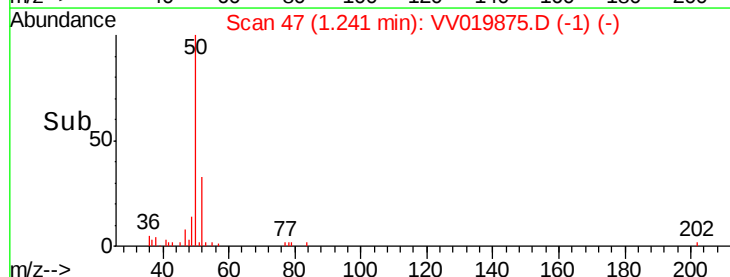
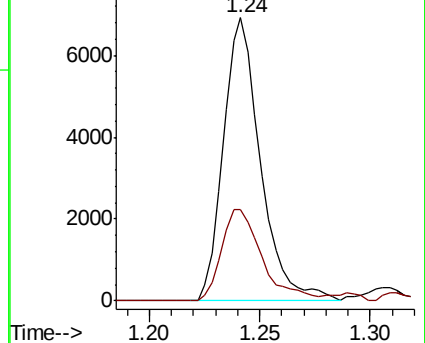
50 100

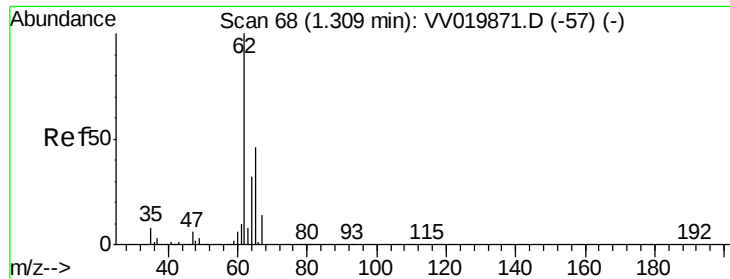
52 32.3 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.278 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

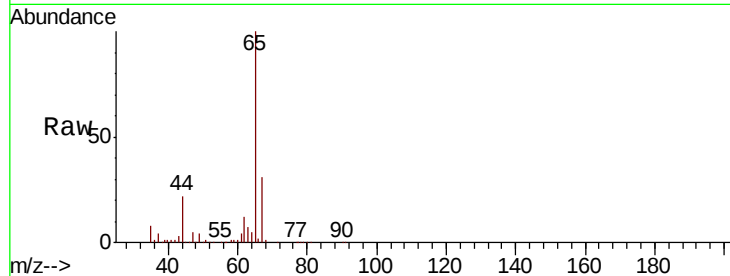
ClientSampleId :

Tot Ion: 62 Resp: 7892

Ion Ratio Lower Upper

62 100

64 39.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.31

8000

6000

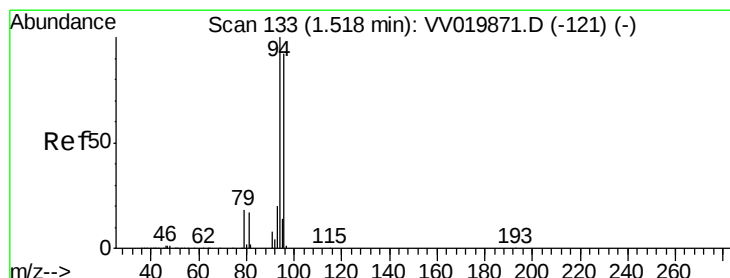
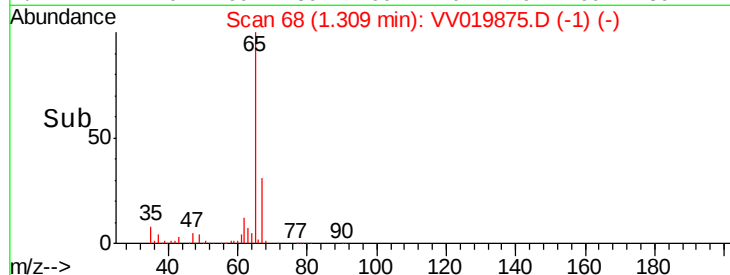
4000

2000

0

1.28 1.30 1.32 1.34

Time-->



#6

Bromomethane

Concen: 0.281 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV019875.D

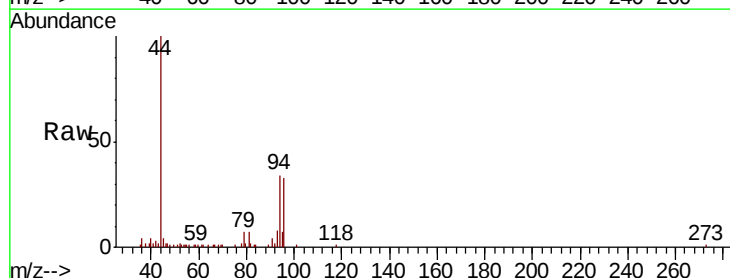
Acq: 30 Dec 2020 13:17

Tgt Ion: 94 Resp: 4658

Ion Ratio Lower Upper

94 100

96 96.9 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

4000

3000

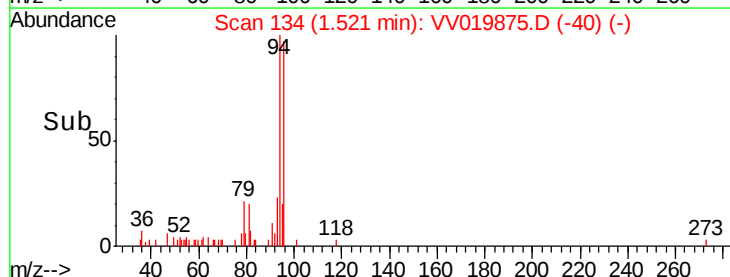
2000

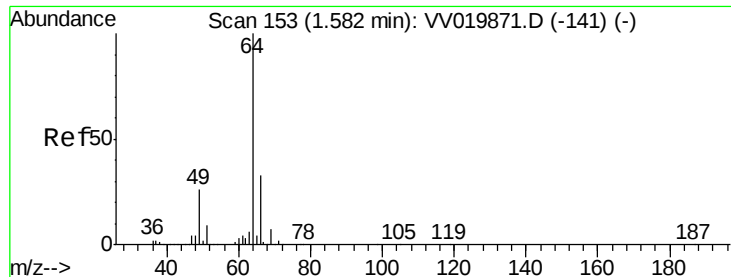
1000

0

1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 0.297 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

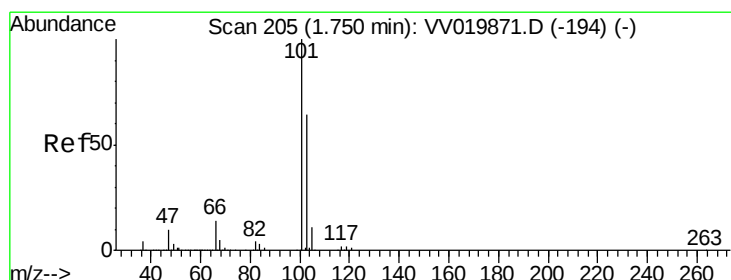
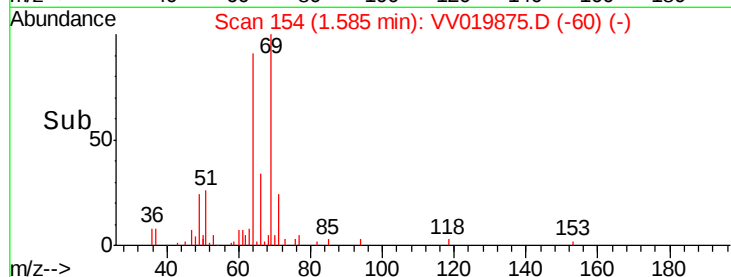
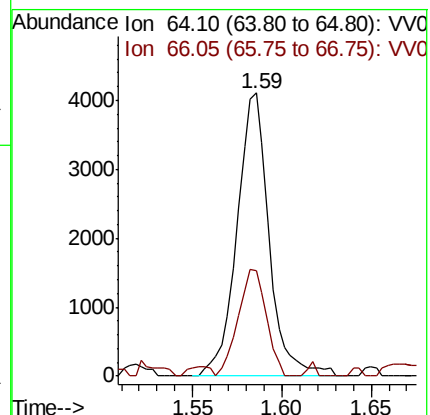
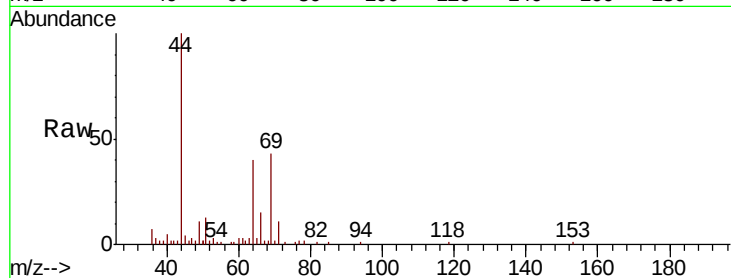
ClientSampleId :

Tot Ion: 64 Resp: 5142

Ion Ratio Lower Upper

64 100

66 37.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 0.266 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019875.D

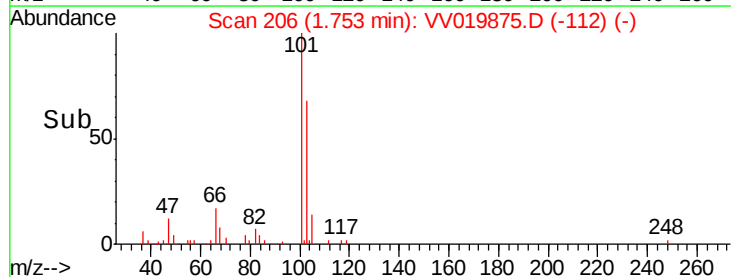
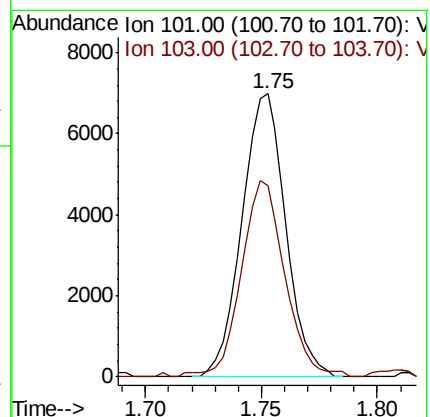
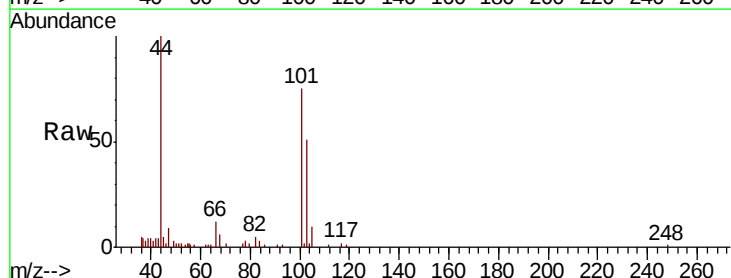
Acq: 30 Dec 2020 13:17

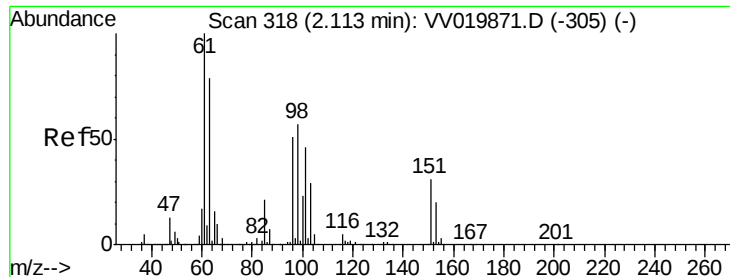
Tgt Ion: 101 Resp: 9147

Ion Ratio Lower Upper

101 100

103 69.1 51.8 77.8





#10

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

Concen: 0.363 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampled :

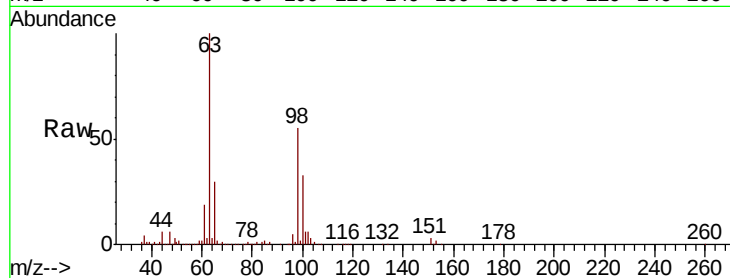
Tot Ion:101 Resp: 6728

Ion Ratio Lower Upper

101 100

85 41.4 36.4 54.6

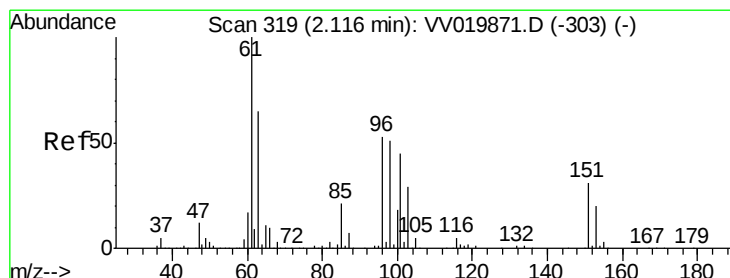
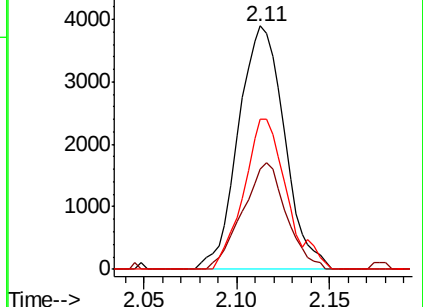
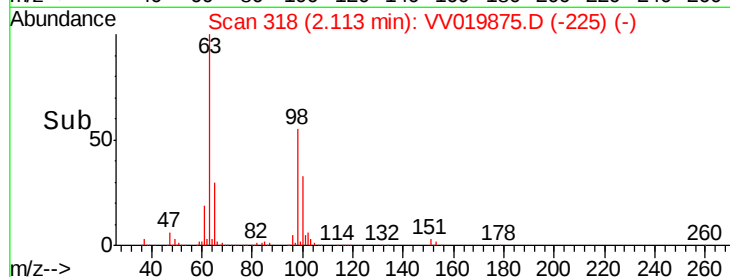
151 57.4 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): VV019875.D (-225) (-)

Ion 85.00 (84.70 to 85.70): VV019875.D (-225) (-)

Ion 151.00 (150.70 to 151.70): VV019875.D (-225) (-)



#12

1,1-Dichloroethene

Concen: 0.326 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

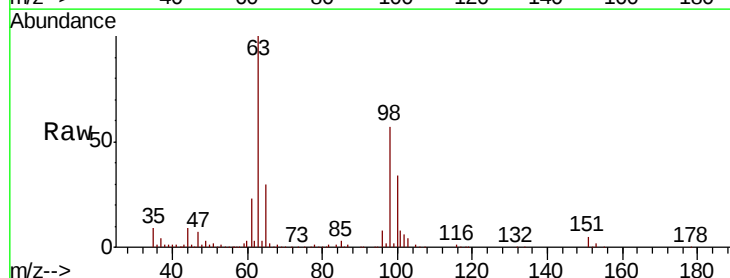
Tgt Ion: 96 Resp: 6165

Ion Ratio Lower Upper

96 100

61 306.8 131.5 244.1#

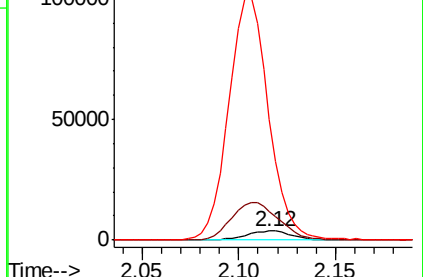
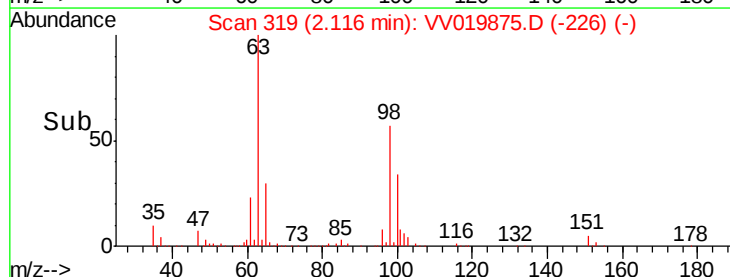
63 1316.2 95.2 176.8#

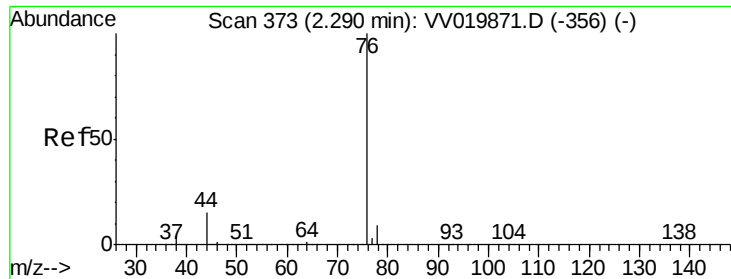


Abundance Ion 96.00 (95.70 to 96.70): VV019875.D (-226) (-)

Ion 61.05 (60.75 to 61.75): VV019875.D (-226) (-)

Ion 63.00 (62.70 to 63.70): VV019875.D (-226) (-)





#14

Carbon disulfide

Concen: 0.266 ug/L

RT: 2.29 min Scan# 373

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

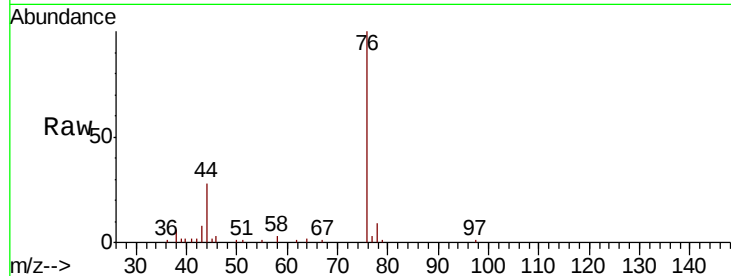
ClientSampled :

Tot Ion: 76 Resp: 17454

Ion Ratio Lower Upper

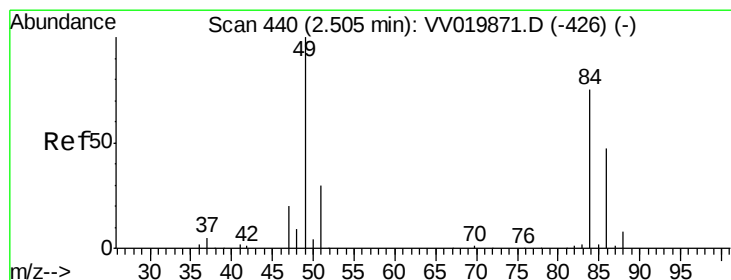
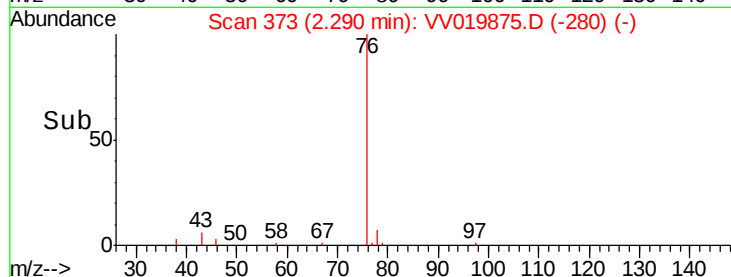
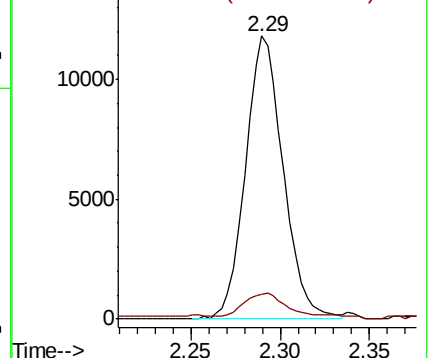
76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.396 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

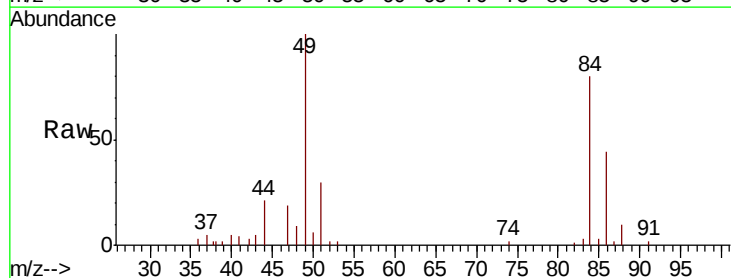
Tgt Ion: 84 Resp: 9125

Ion Ratio Lower Upper

84 100

86 55.1 42.8 79.4

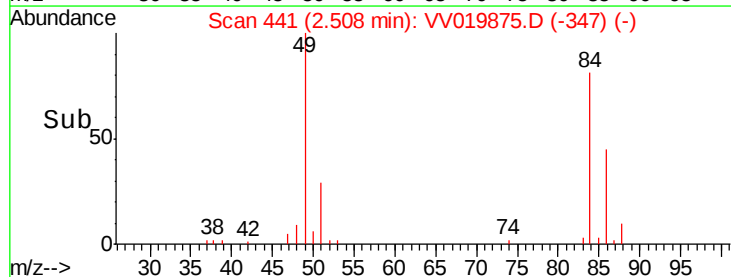
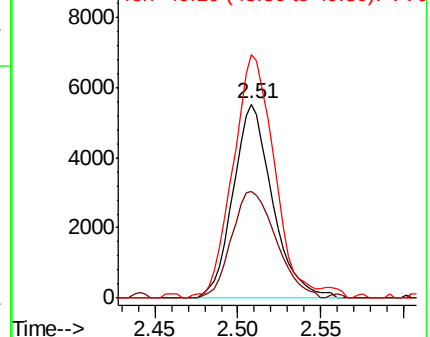
49 125.7 93.9 174.3

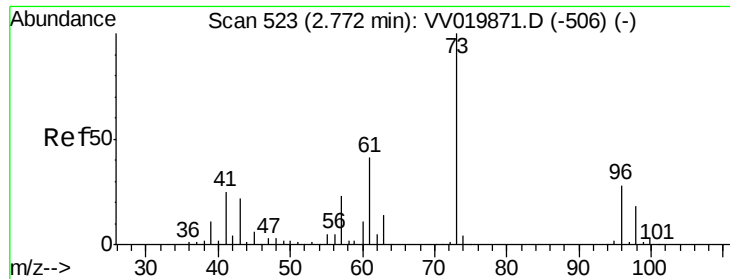


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

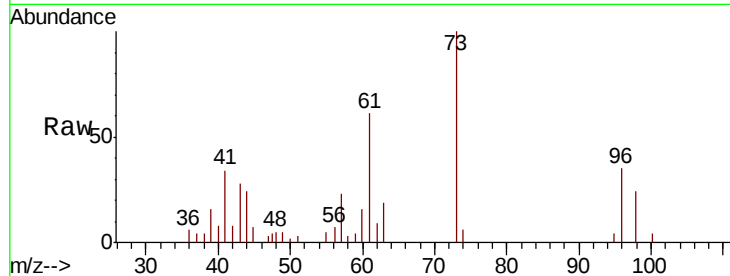




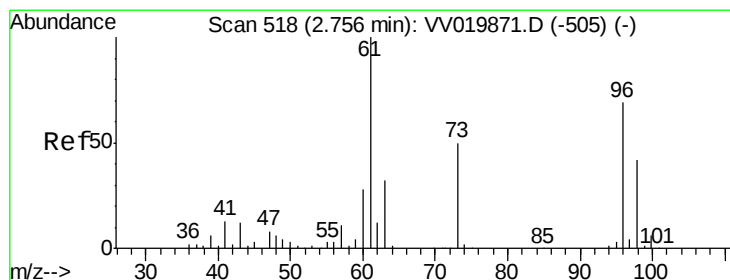
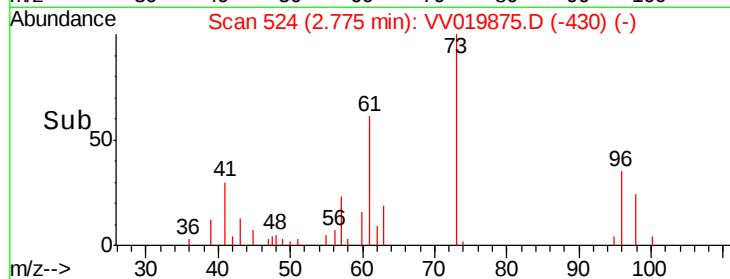
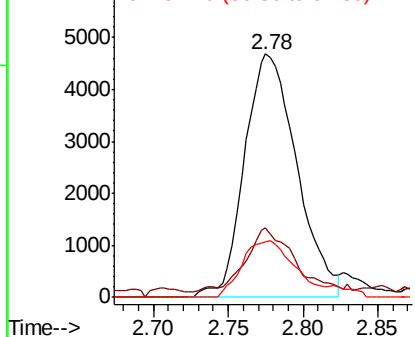
#17
Methvl tert-butvl Ether
Concen: 0.240 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 11382
Ion Ratio Lower Upper
73 100
43 27.6 17.0 25.6#
57 25.6 18.2 27.4

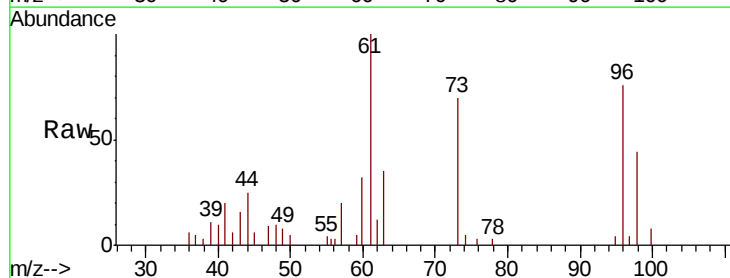


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

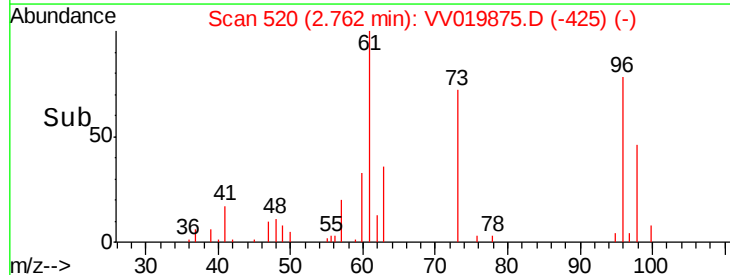
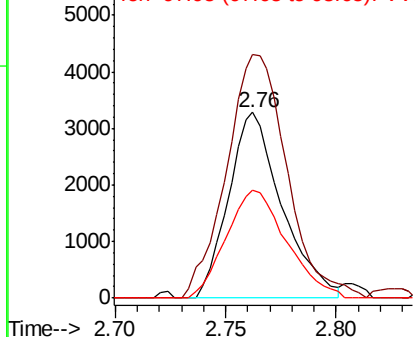


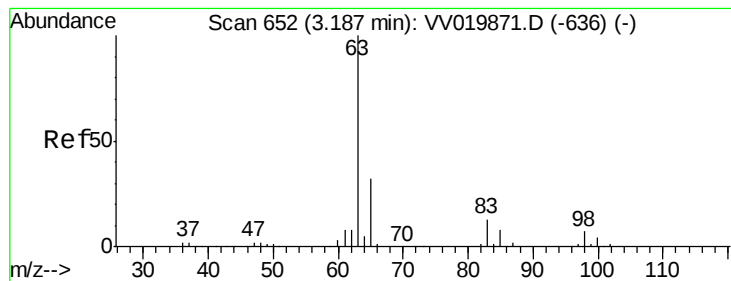
#18
trans-1,2-Dichloroethene
Concen: 0.259 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 96 Resp: 5527
Ion Ratio Lower Upper
96 100
61 131.3 106.3 197.3
98 58.3 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

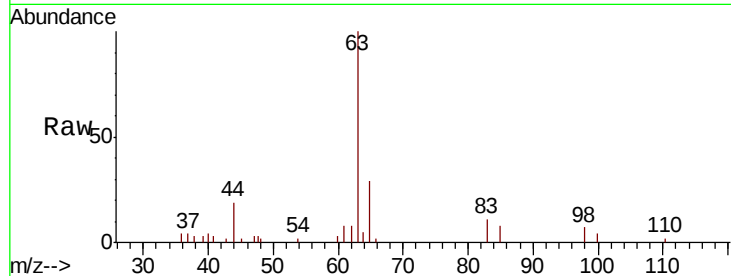




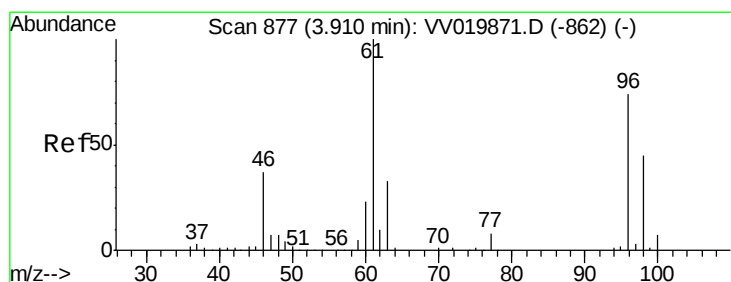
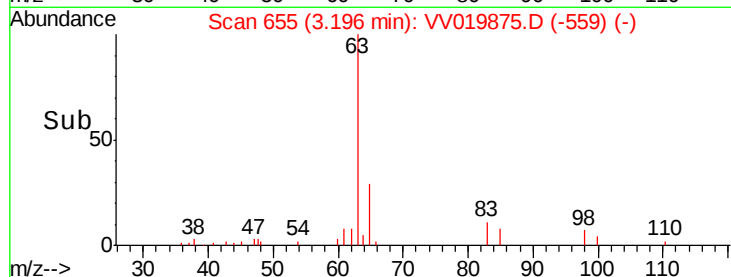
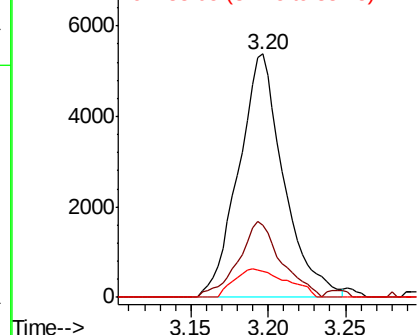
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.20 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 10888
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.6
 83 10.9 9.0 16.8

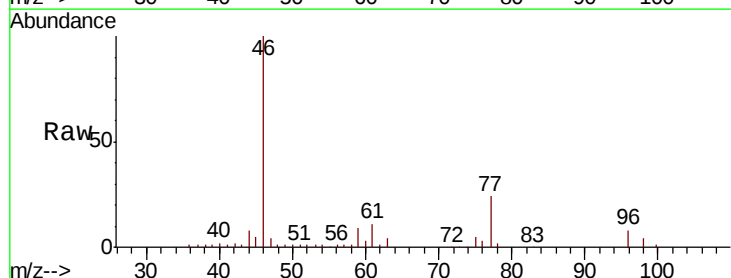


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

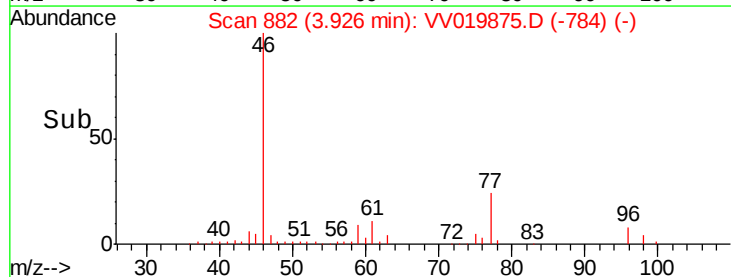
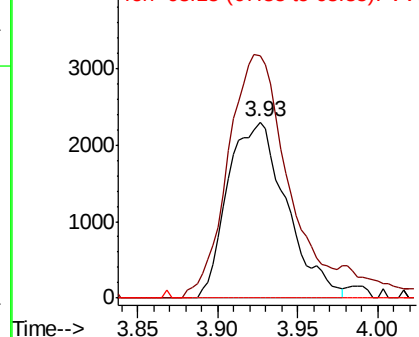


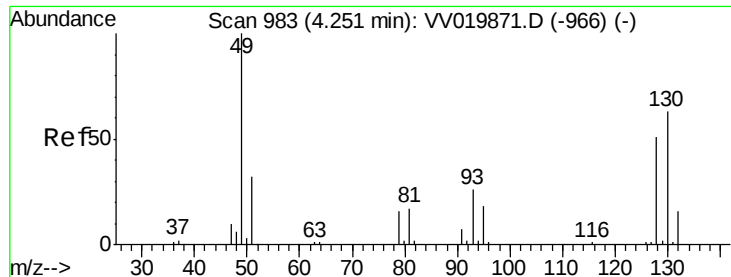
#22
 cis-1,2-Dichloroethene
 Concen: 0.261 ug/L
 RT: 3.93 min Scan# 882
 Delta R.T. 0.02 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion: 96 Resp: 5792
 Ion Ratio Lower Upper
 96 100
 61 137.8 98.1 182.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.279 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 2473

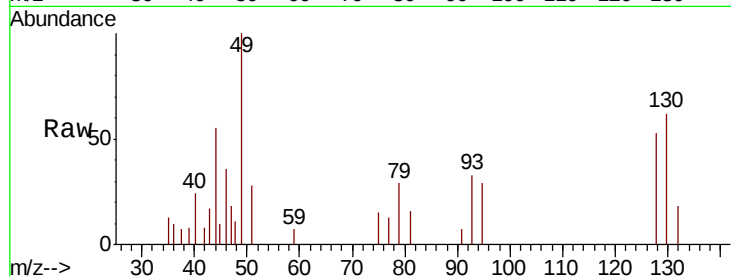
Ion Ratio Lower Upper

128 100

49 189.4 132.6 246.2

130 117.4 86.4 160.4

51 53.5 48.0 72.0

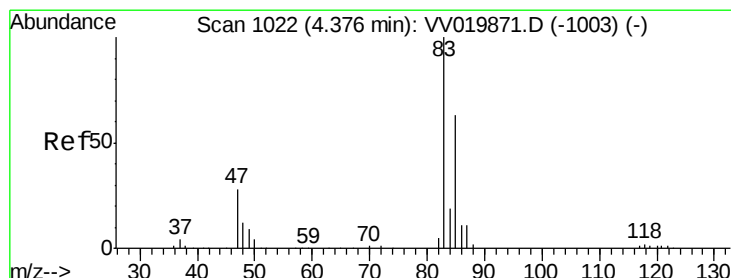
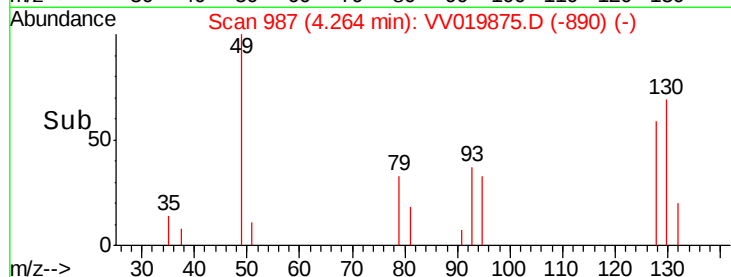
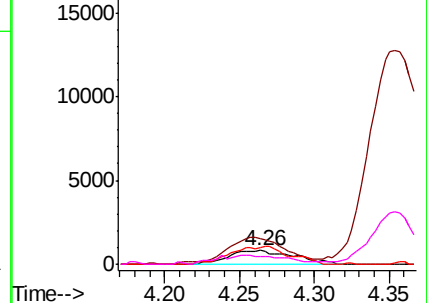


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.495 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VV019875.D

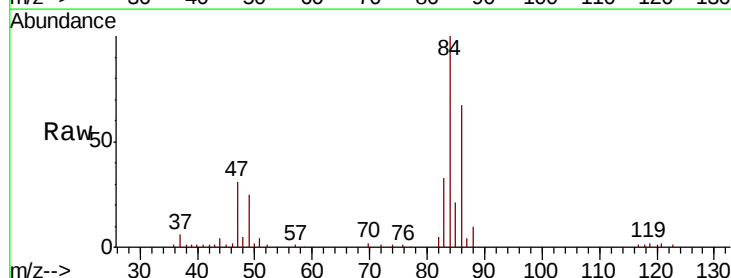
Acq: 30 Dec 2020 13:17

Tgt Ion: 83 Resp: 20369

Ion Ratio Lower Upper

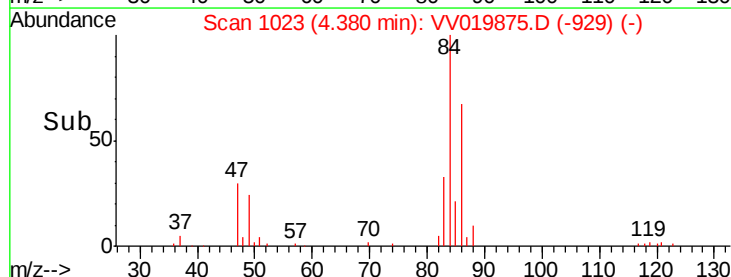
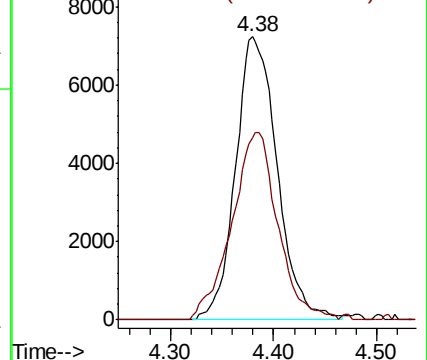
83 100

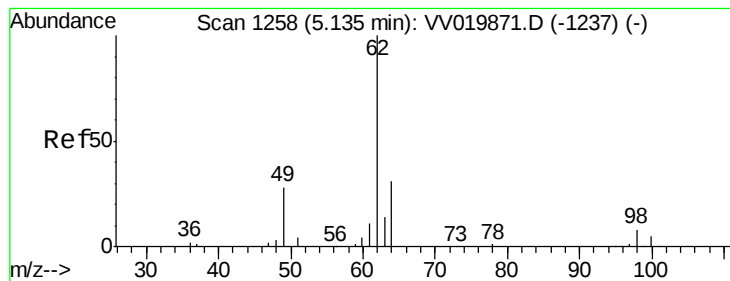
85 64.3 46.4 86.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.249 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

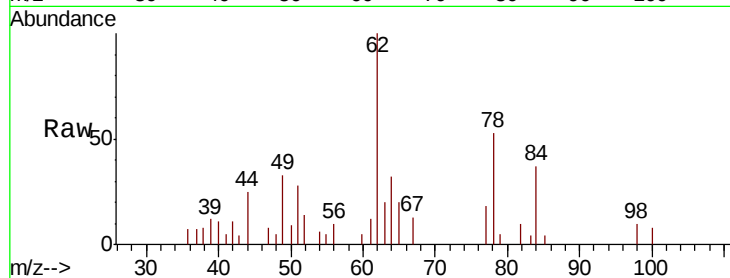
ClientSampleId :

Tot Ion: 62 Resp: 6253

Ion Ratio Lower Upper

62 100

98 10.4 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV019871.D (-1237) (-)

Ion 98.05 (97.75 to 98.75): VV019871.D (-1237) (-)

2500

2000

1500

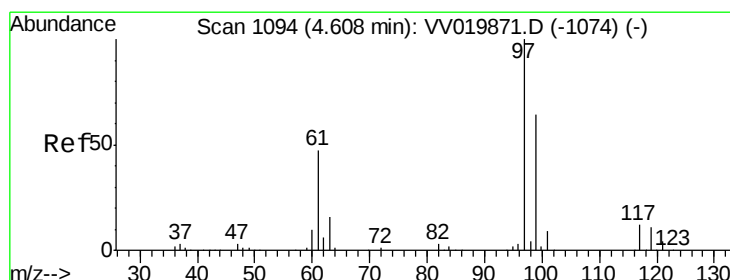
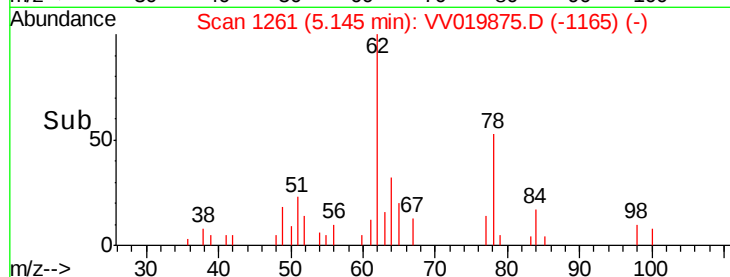
1000

500

0

5.05 5.10 5.15 5.20 5.25

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.257 ug/L

RT: 4.62 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

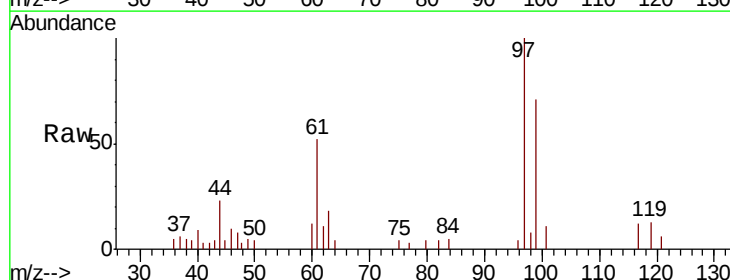
Tgt Ion: 97 Resp: 9028

Ion Ratio Lower Upper

97 100

99 66.8 51.1 76.7

61 29.2 38.6 57.8#



Abundance Ion 96.95 (96.65 to 97.65): VV019871.D (-1074) (-)

Ion 99.05 (98.75 to 99.75): VV019871.D (-1074) (-)

Ion 61.05 (60.75 to 61.75): VV019871.D (-1074) (-)

4000

3000

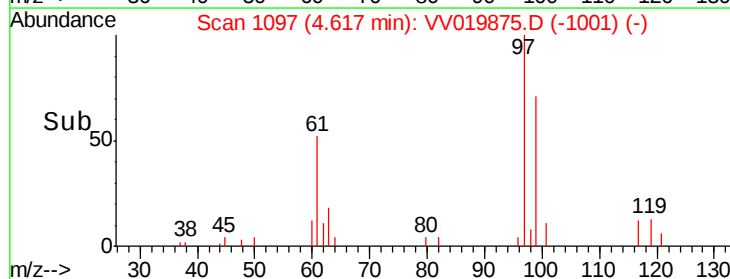
2000

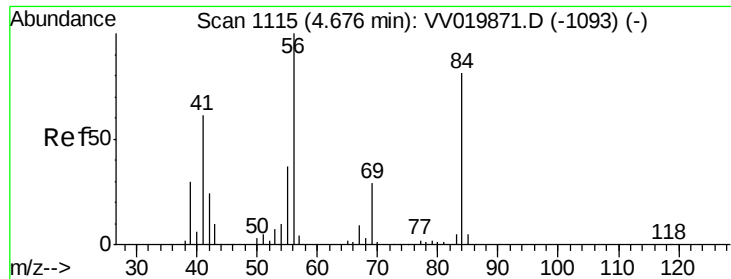
1000

0

4.55 4.60 4.65 4.70

Time-->

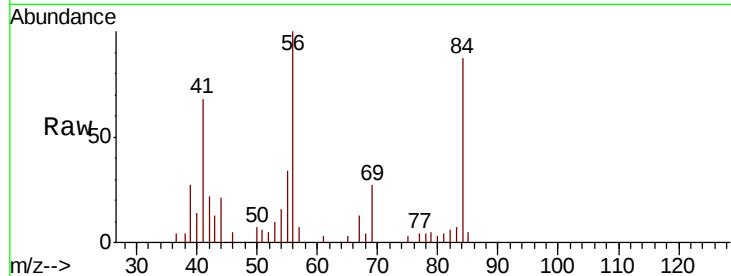




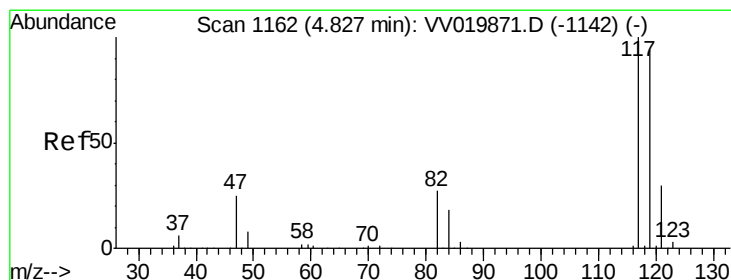
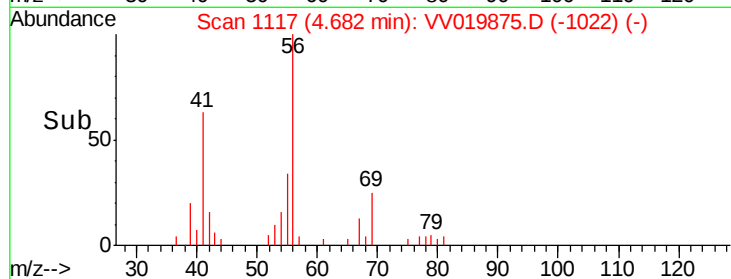
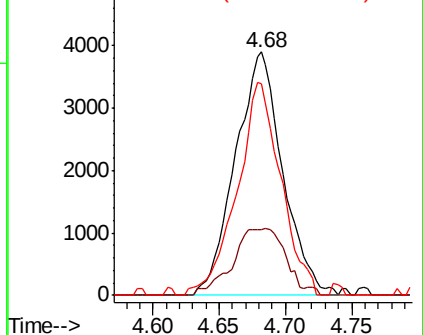
#30
Cvclohexane
Concen: 0.274 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 9699
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 80.8 66.8 100.2

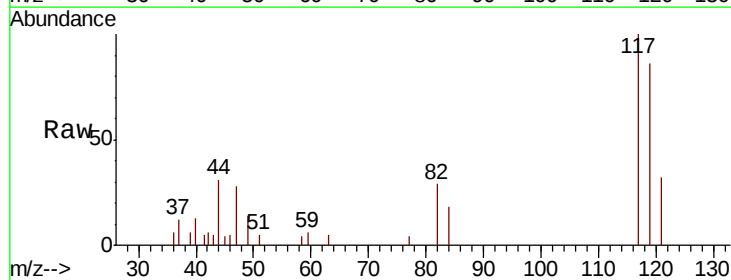


Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

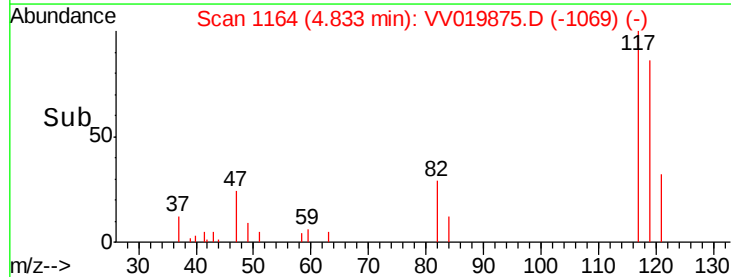
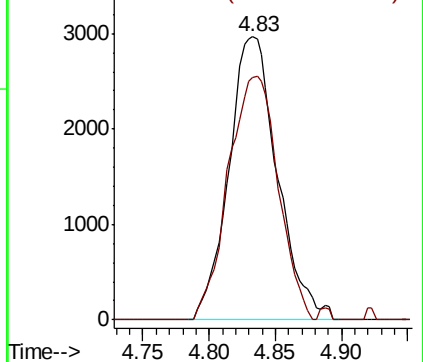


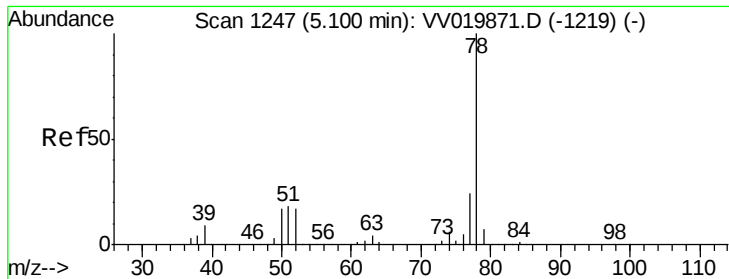
#31
Carbon tetrachloride
Concen: 0.263 ug/L
RT: 4.83 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 117 Resp: 7558
Ion Ratio Lower Upper
117 100
119 88.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

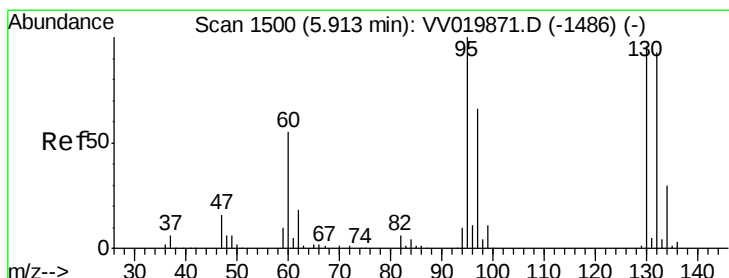
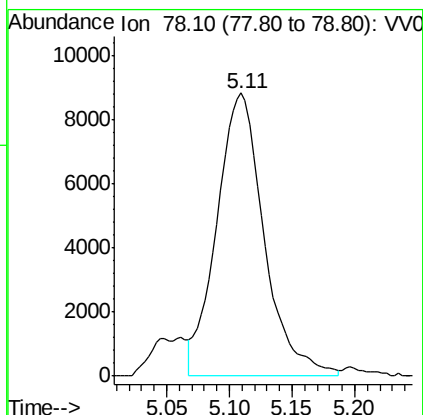
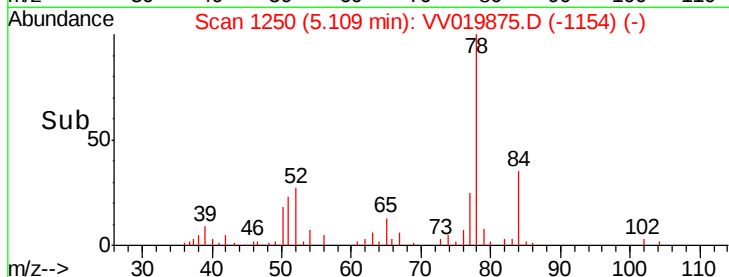
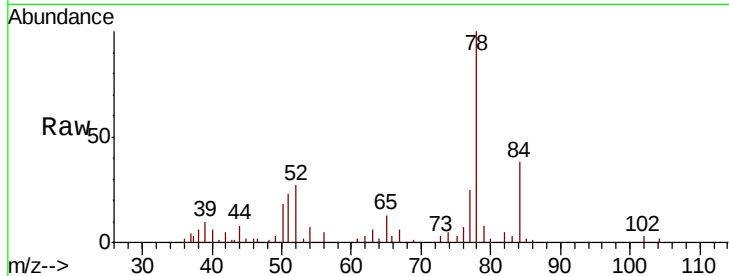




#33
Benzene
Concen: 0.269 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

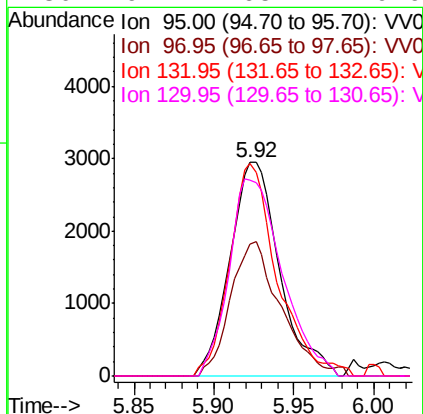
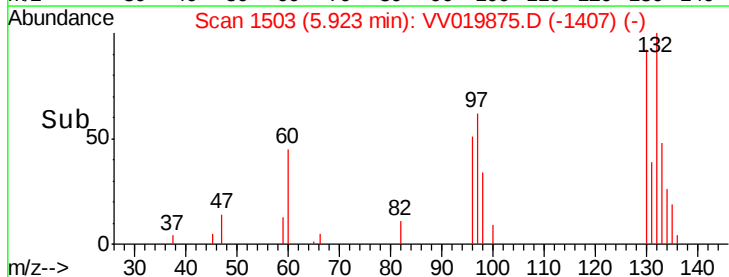
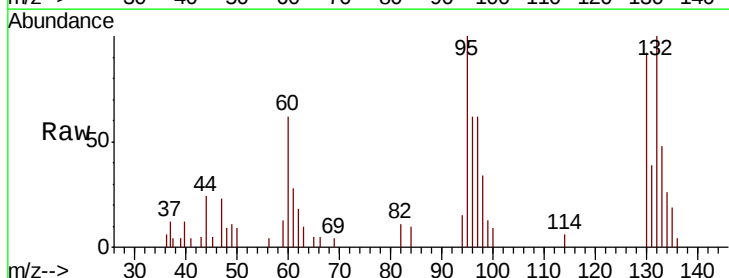
Tgt Ion: 78 Resp: 23196

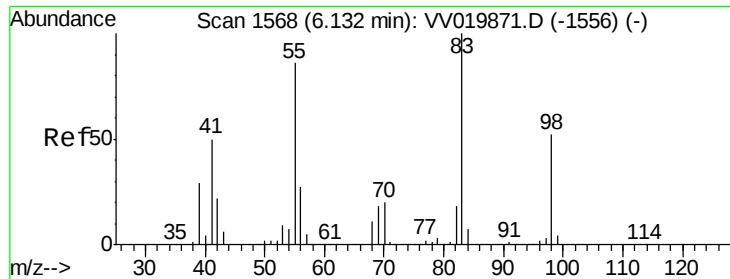


#34
Trichloroethene
Concen: 0.271 ug/L
RT: 5.92 min Scan# 1503
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 95 Resp: 6247

Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.1	81.9
132	99.7	61.2	113.8
130	91.7	65.1	120.9

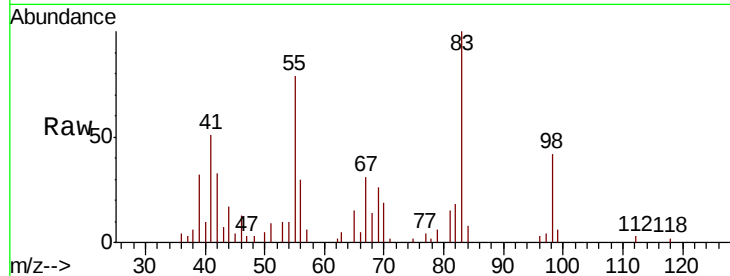




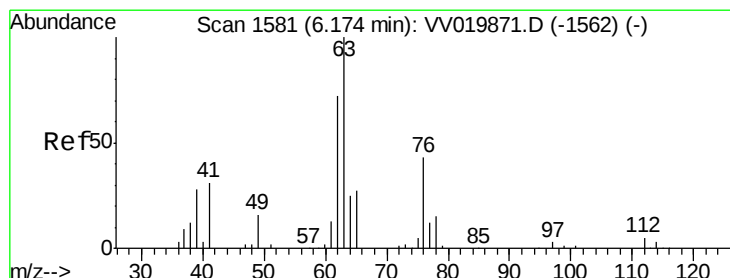
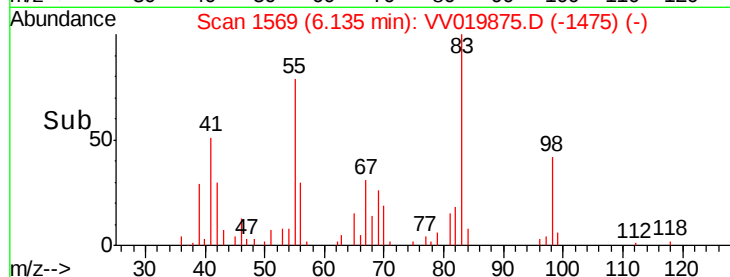
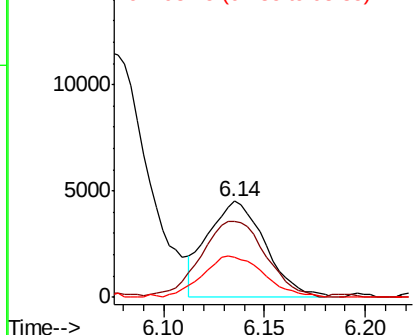
#35
Methvlcvclohexane
Concen: 0.262 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9027
Ion Ratio Lower Upper
83 100
55 88.6 67.5 101.3
98 45.7 38.6 58.0

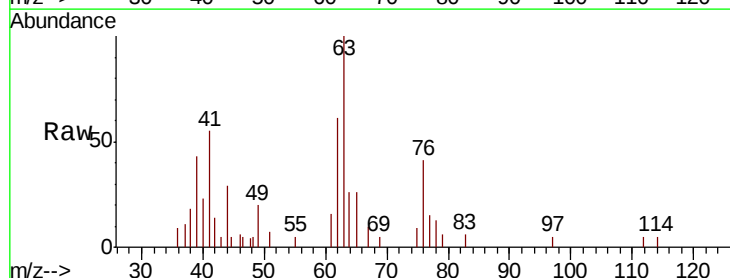


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

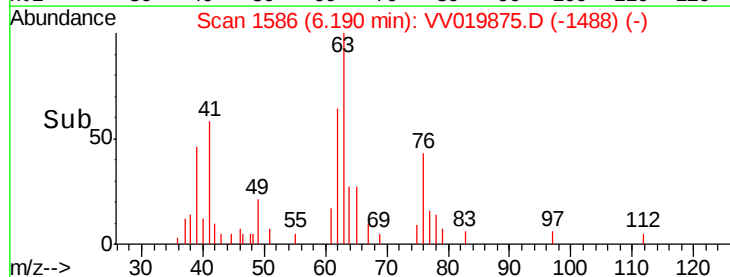
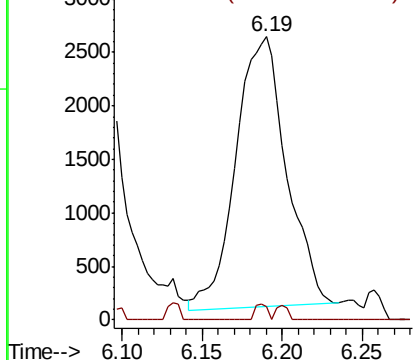


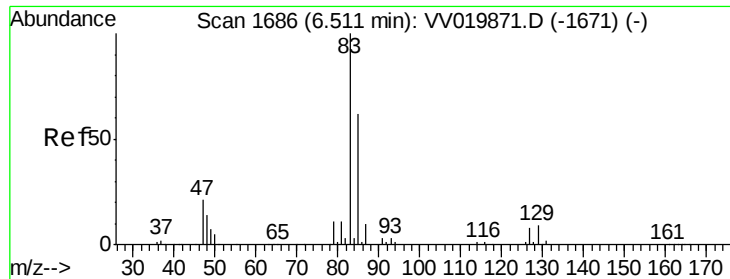
#37
1,2-Dichloropropane
Concen: 0.253 ug/L
RT: 6.19 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 63 Resp: 5474
Ion Ratio Lower Upper
63 100
112 1.5 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.268 ug/L

RT: 6.52 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

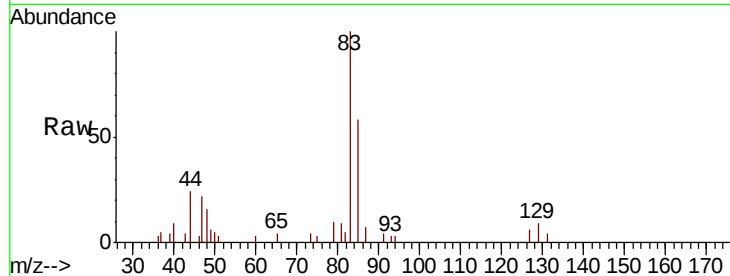
Tot Ion: 83 Resp: 7155

Ion Ratio Lower Upper

83 100

85 57.7 45.9 85.3

127 6.0 6.2 9.2#

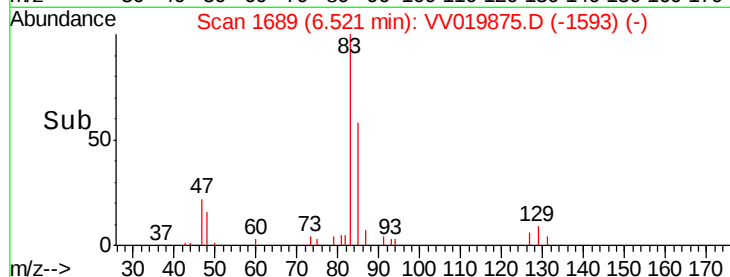


Abundance Ion 82.95 (82.65 to 83.65): VV019875.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV019875.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV019875.D (-1671) (-)

Time-->

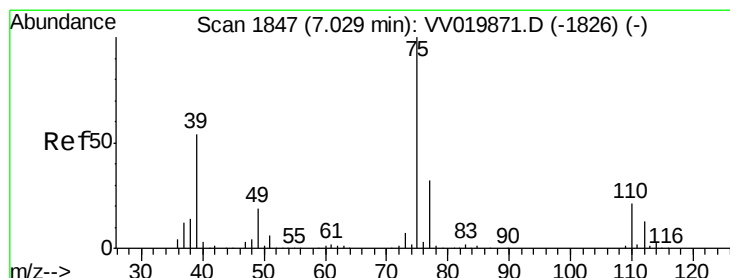


Abundance Ion 82.95 (82.65 to 83.65): VV019875.D (-1593) (-)

Ion 85.00 (84.70 to 85.70): VV019875.D (-1593) (-)

Ion 126.90 (126.60 to 127.60): VV019875.D (-1593) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.245 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VV019875.D

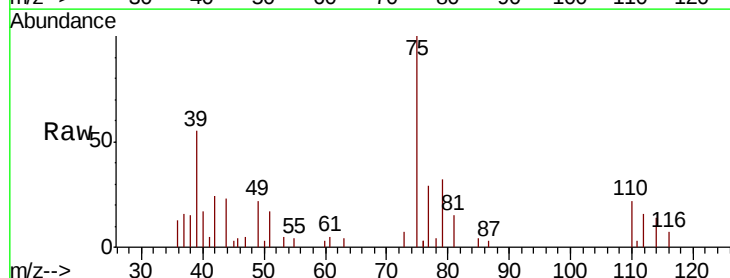
Acq: 30 Dec 2020 13:17

Tgt Ion: 75 Resp: 7284

Ion Ratio Lower Upper

75 100

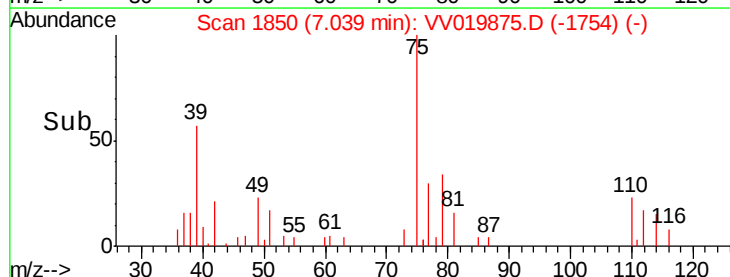
77 28.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV019875.D (-1826) (-)

Ion 77.05 (76.75 to 77.75): VV019875.D (-1826) (-)

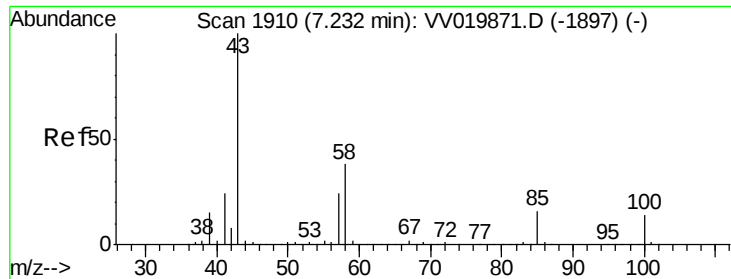
Time-->



Abundance Ion 75.05 (74.75 to 75.75): VV019875.D (-1754) (-)

Ion 77.05 (76.75 to 77.75): VV019875.D (-1754) (-)

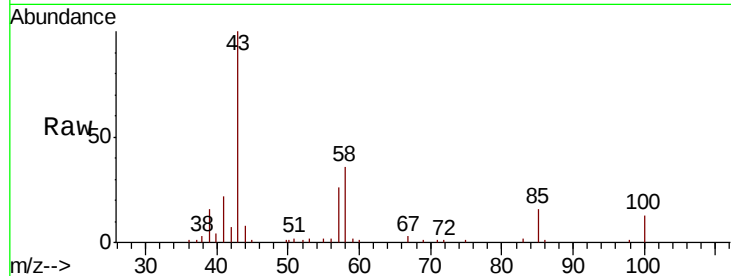
Time-->



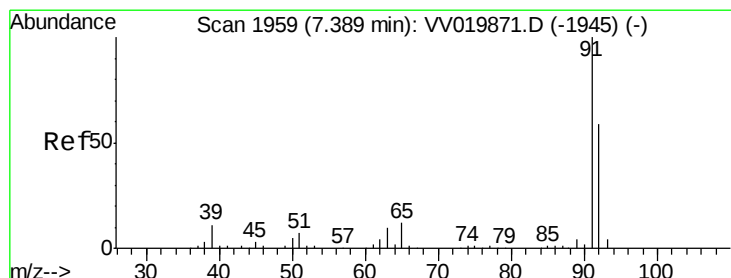
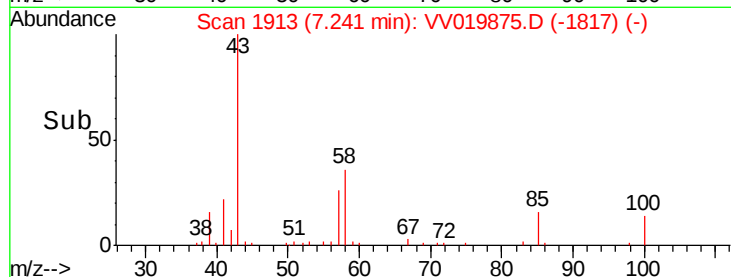
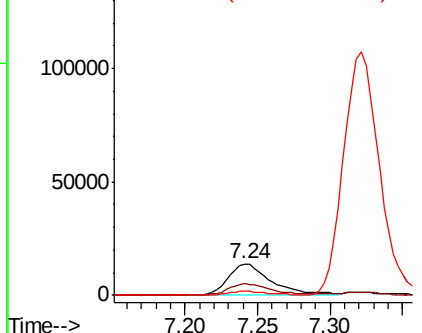
#40
4-Methyl-2-pentanone
Concen: 2.360 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 28831
Ion Ratio Lower Upper
43 100
58 37.2 30.0 45.0
100 0.0 11.4 17.0#

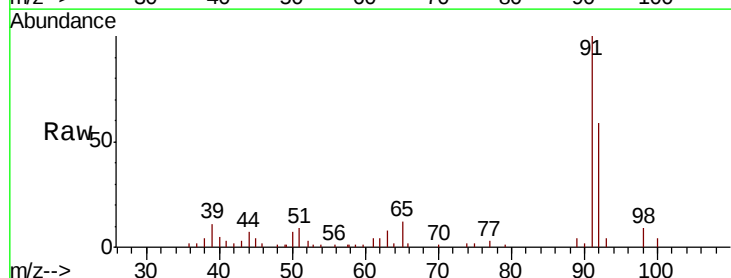


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0

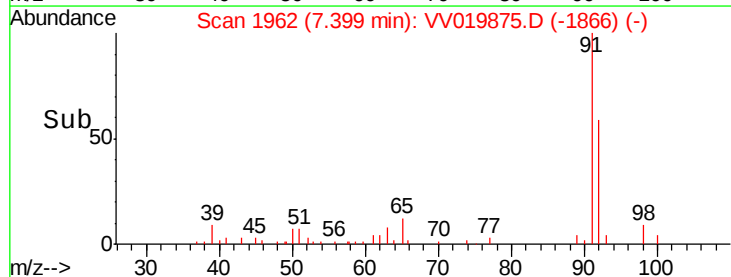
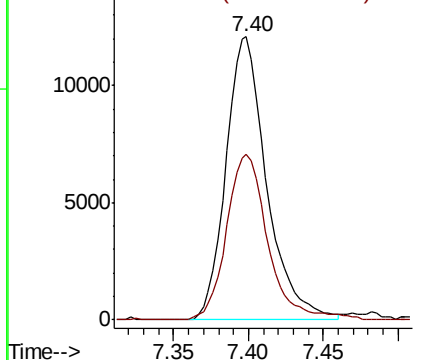


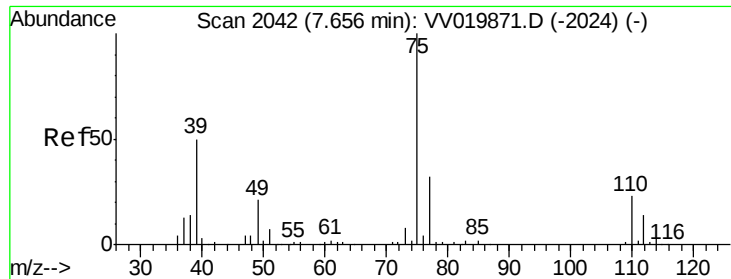
#42
Toluene
Concen: 0.261 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 91 Resp: 22902
Ion Ratio Lower Upper
91 100
92 58.6 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0

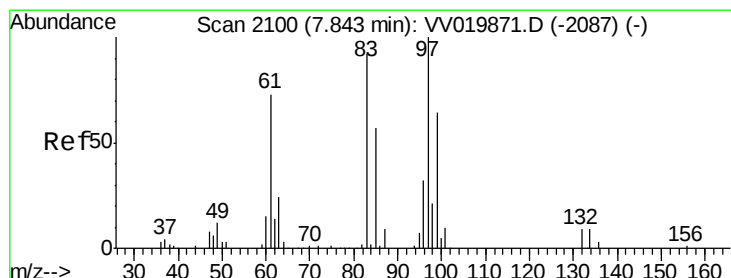
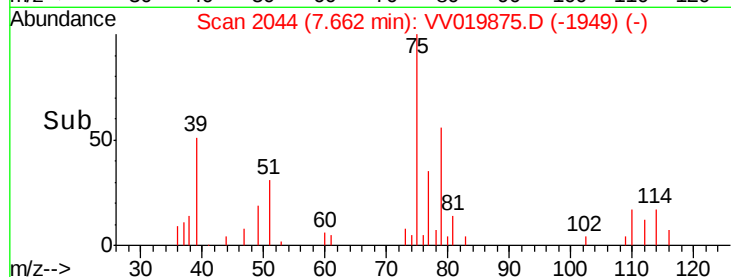
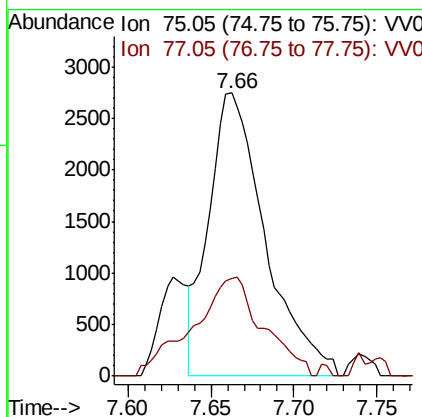
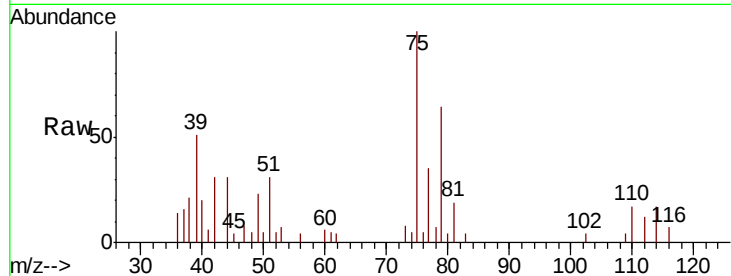




#44
trans-1,3-Dichloropropene
Concen: 0.268 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

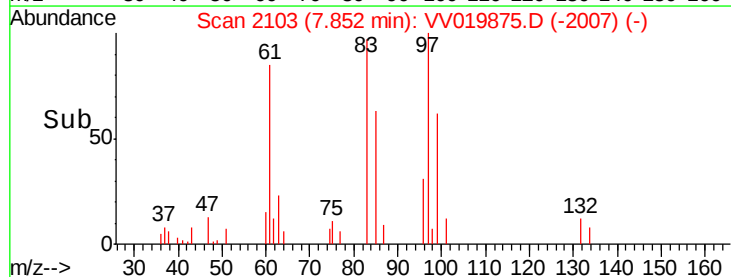
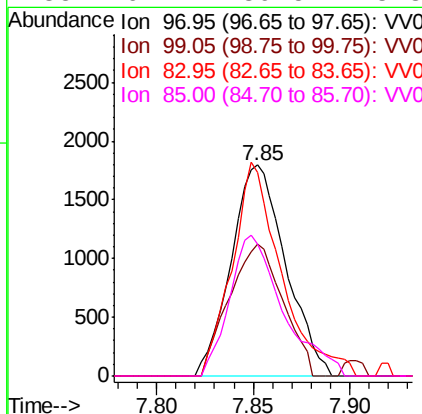
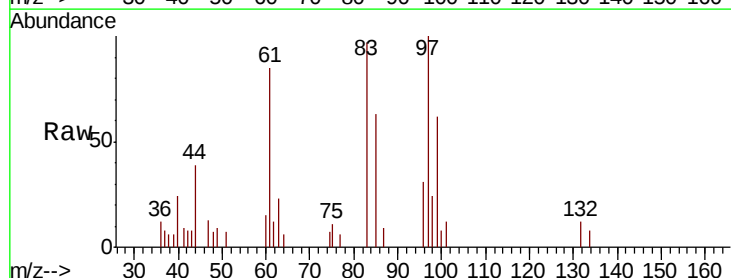
Instrument :
MSVOA_V
ClientSampleId :

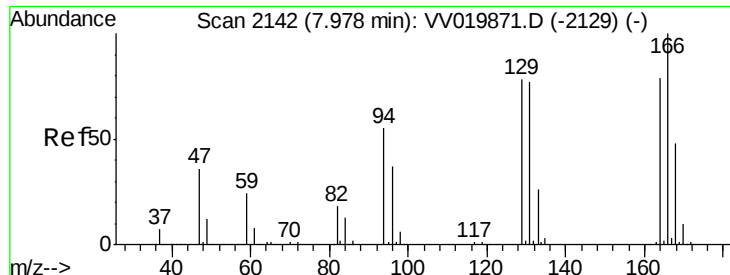
Tot Ion: 75 Resp: 6515
Ion Ratio Lower Upper
75 100
77 34.5 21.1 39.3



#45
1,1,2-Trichloroethane
Concen: 0.252 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 97 Resp: 3519
Ion Ratio Lower Upper
97 100
99 62.3 42.4 78.8
83 96.6 59.4 110.4
85 62.7 39.5 73.3

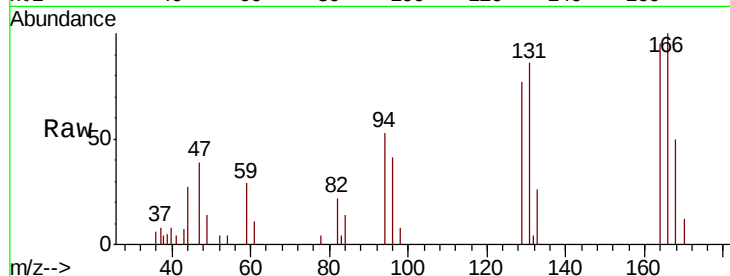




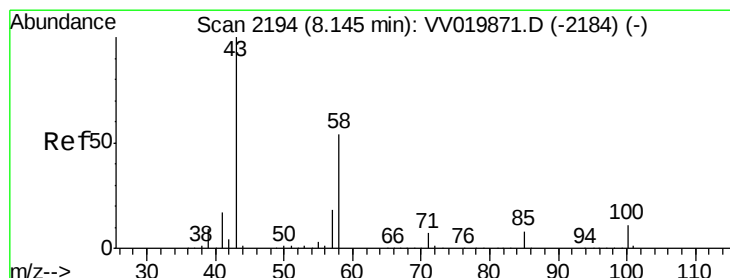
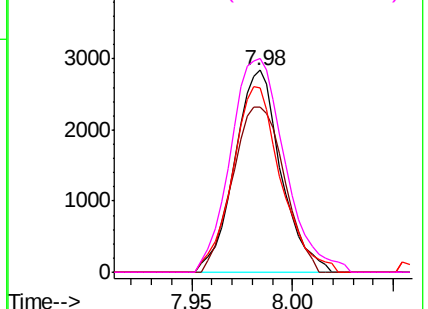
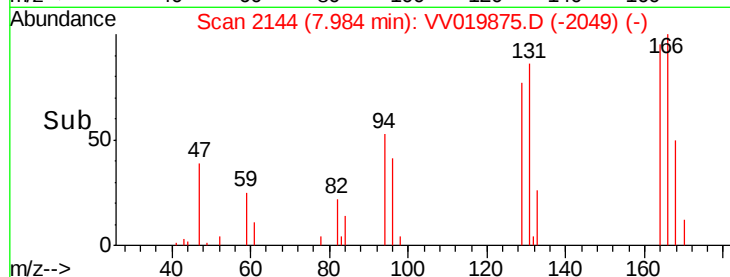
#47
Tetrachloroethene
Concen: 0.291 ug/L
RT: 7.98 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 4559
Ion Ratio Lower Upper
164 100
129 81.7 72.1 133.9
131 91.2 68.9 127.9
166 105.7 88.5 164.4

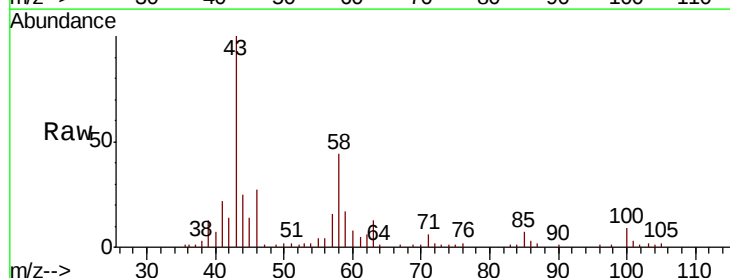


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

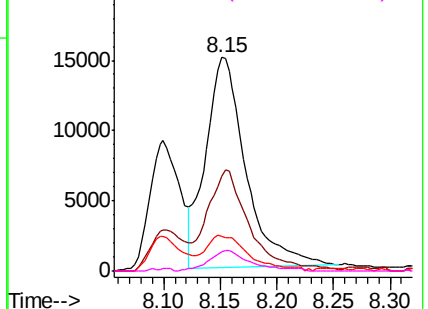
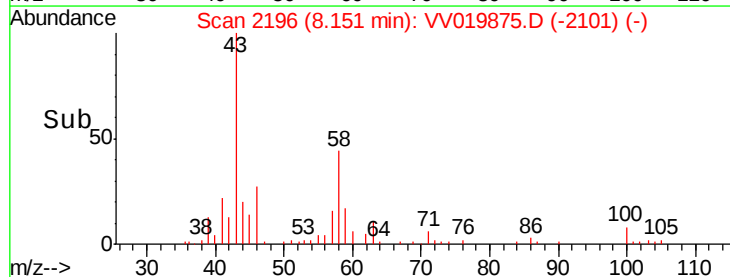


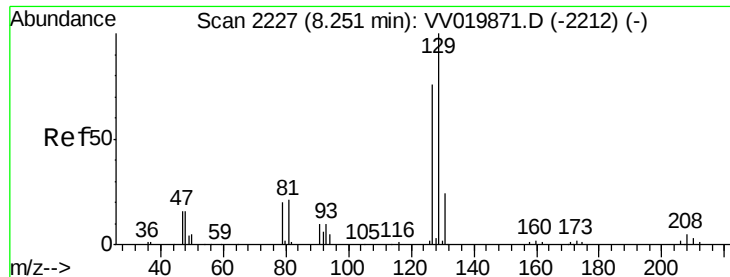
#48
2-Hexanone
Concen: 4.381 ug/L
RT: 8.15 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion: 43 Resp: 37096
Ion Ratio Lower Upper
43 100
58 45.6 42.4 63.6
57 15.2 14.8 22.2
100 10.0 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: 0.233 ug/L

RT: 8.25 min Scan# 2228

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

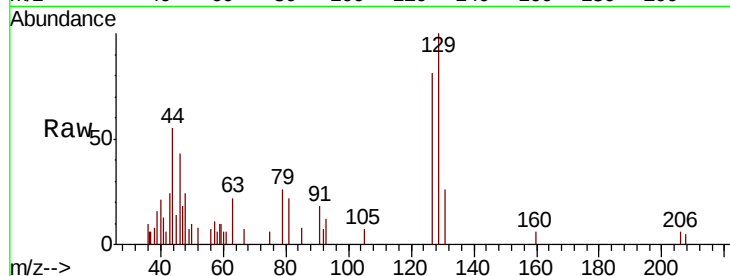
ClientSampleId :

Tot Ion:129 Resp: 3525

Ion Ratio Lower Upper

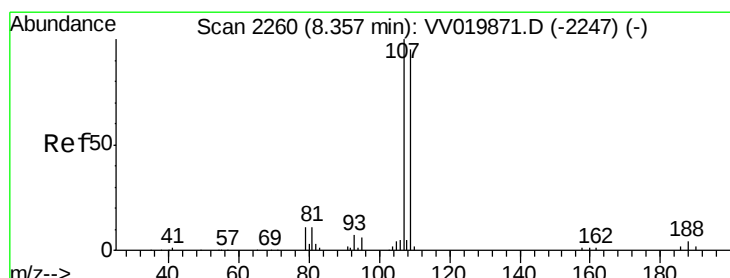
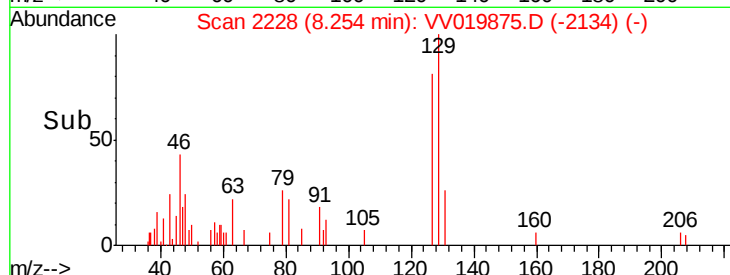
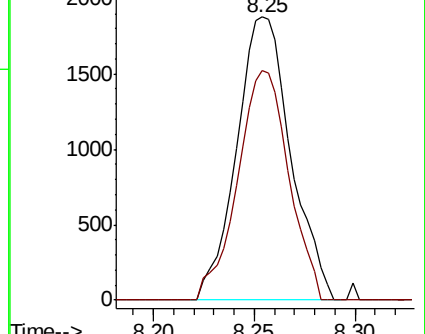
129 100

127 81.2 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: 0.249 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

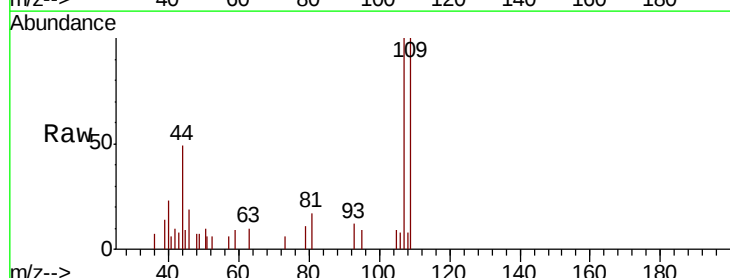
Tgt Ion:107 Resp: 3163

Ion Ratio Lower Upper

107 100

109 99.7 63.8 118.4

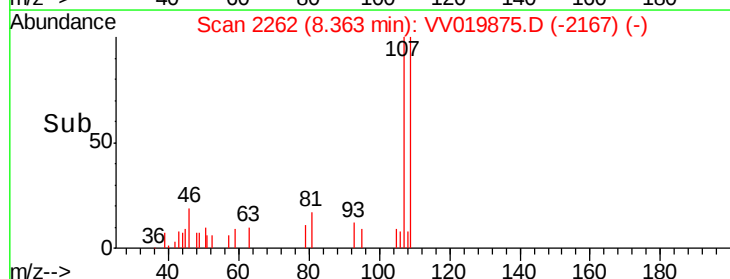
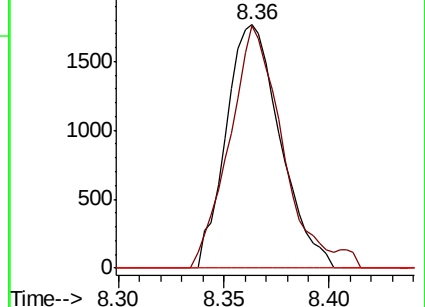
188 0.0 2.5 3.7#

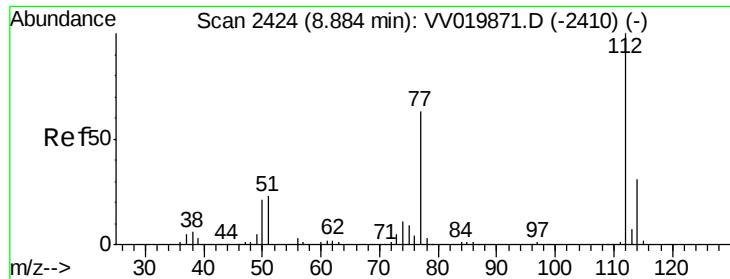


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.272 ug/L

RT: 8.89 min Scan# 2426

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

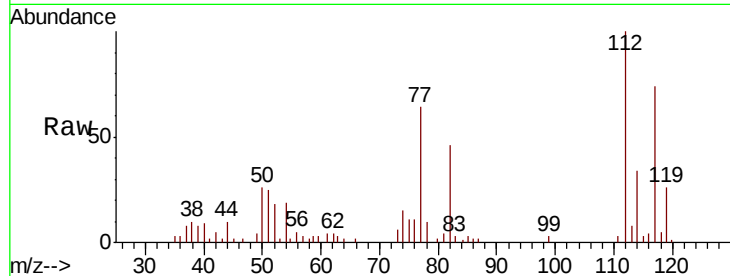
Tot Ion:112 Resp: 15081

Ion Ratio Lower Upper

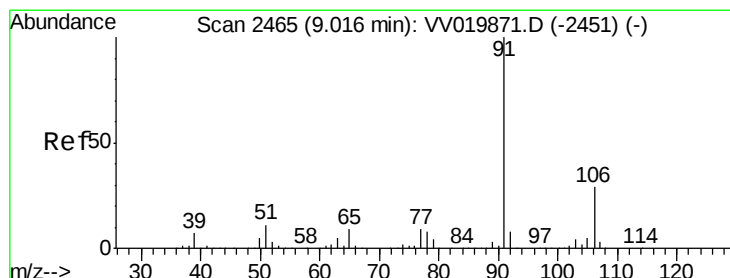
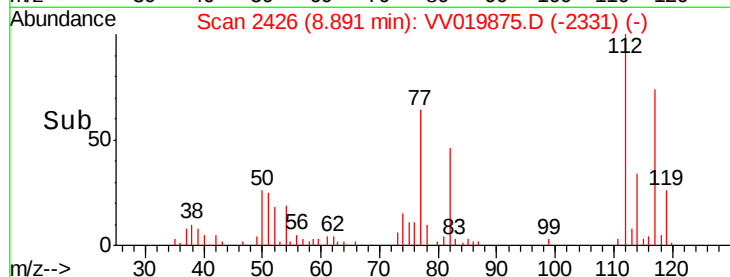
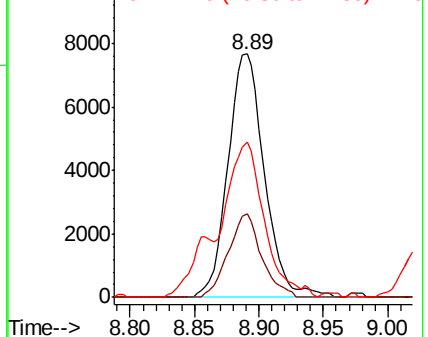
112 100

114 34.3 21.8 40.6

77 63.8 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: 0.245 ug/L

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV019875.D

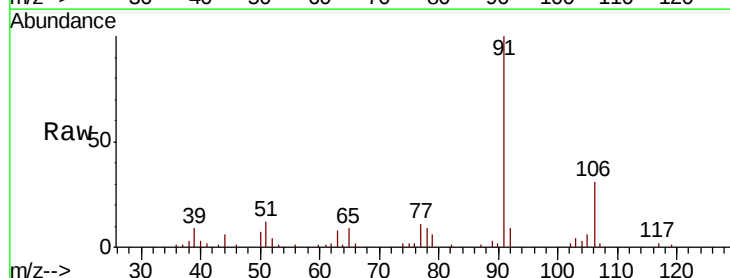
Acq: 30 Dec 2020 13:17

Tgt Ion: 91 Resp: 23745

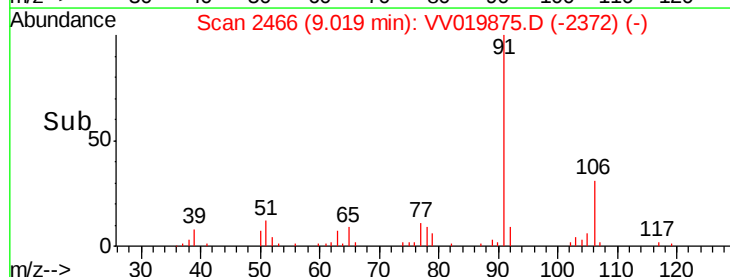
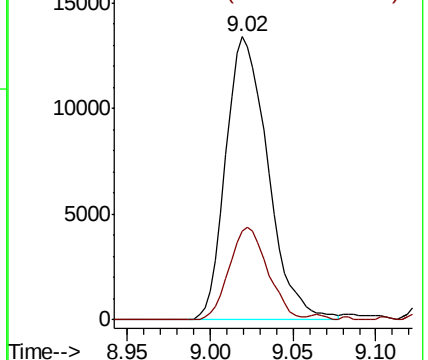
Ion Ratio Lower Upper

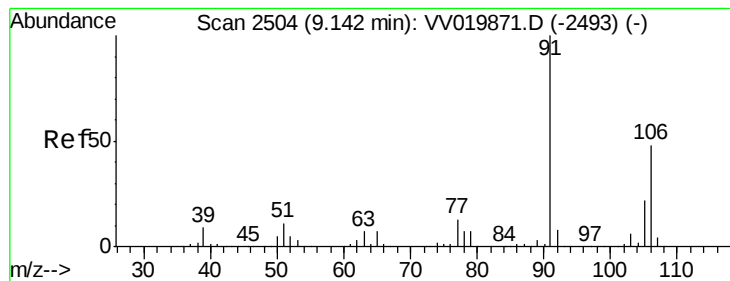
91 100

106 31.4 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.266 ug/L

RT: 9.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

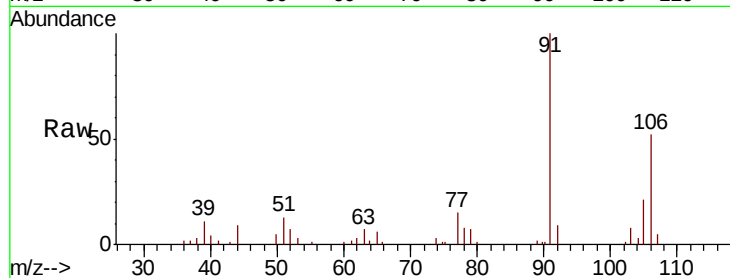
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 9450

Ion Ratio Lower Upper

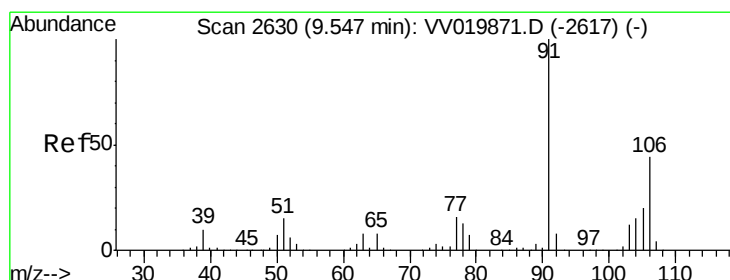
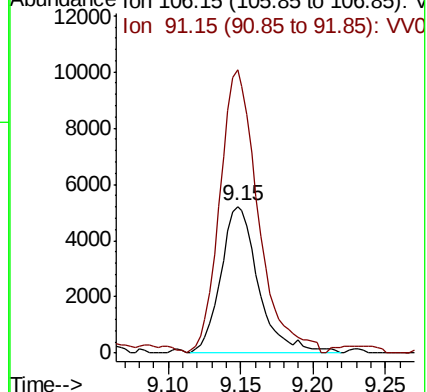
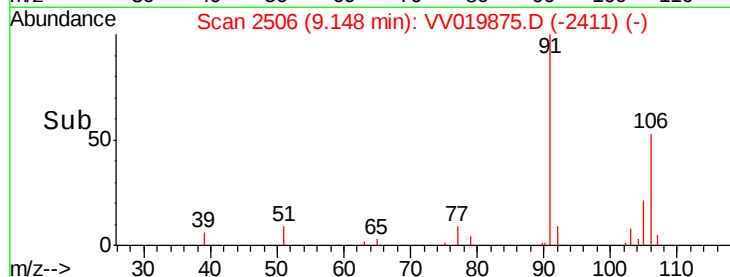
106 100

91 192.6 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.245 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019875.D

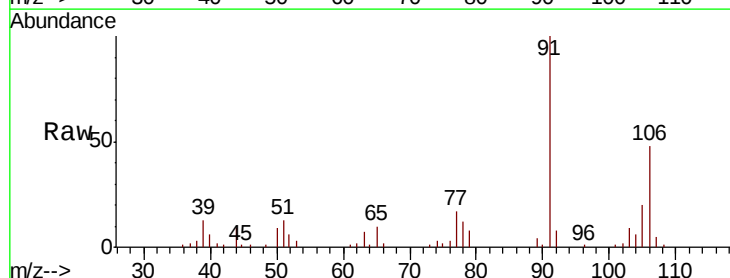
Acq: 30 Dec 2020 13:17

Tgt Ion:106 Resp: 8337

Ion Ratio Lower Upper

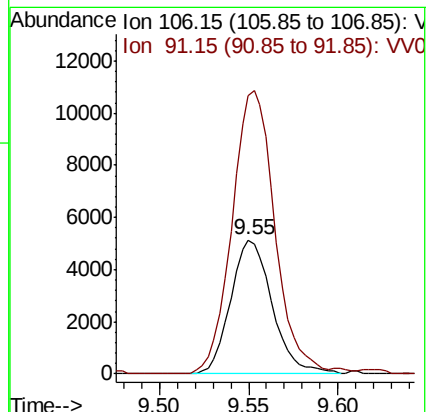
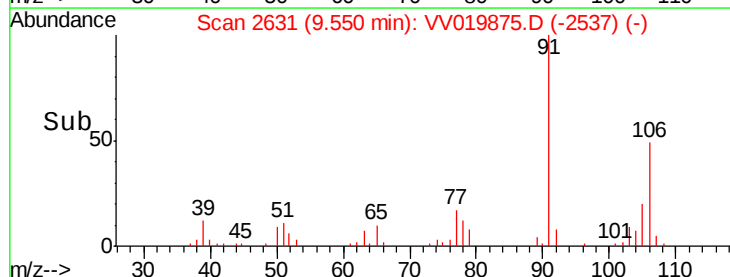
106 100

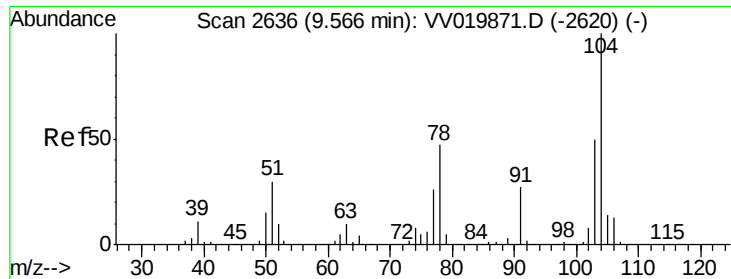
91 208.0 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.222 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

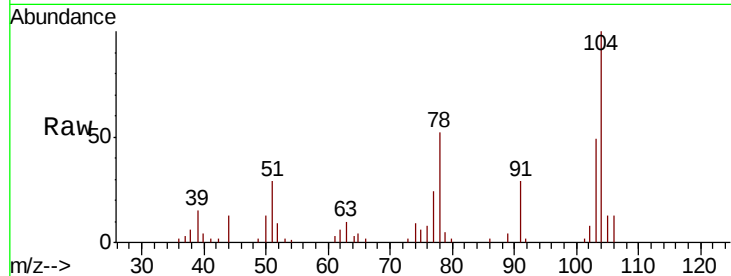
ClientSampled :

Tot Ion:104 Resp: 12767

Ion Ratio Lower Upper

104 100

78 52.0 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): VV019875.D (-2638) (-)

Ion 78.10 (77.80 to 78.80): VV019875.D (-2638) (-)

9.57

8000

6000

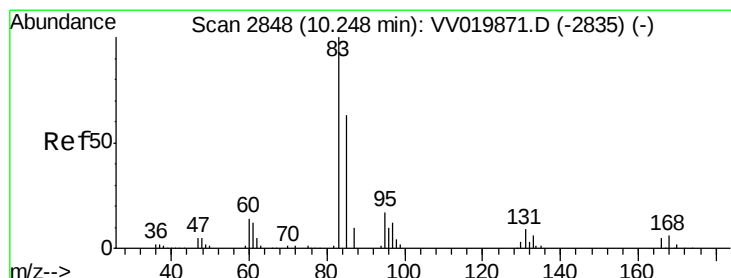
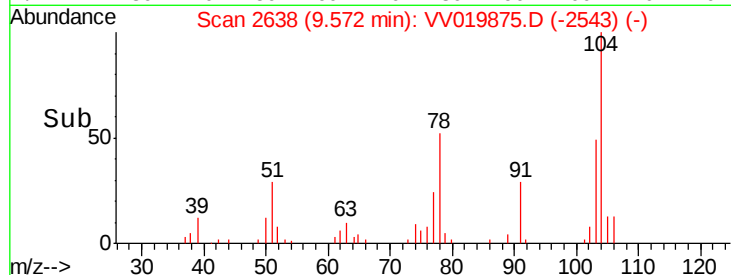
4000

2000

0

9.50 9.55 9.60 9.65

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 0.278 ug/L

RT: 10.25 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

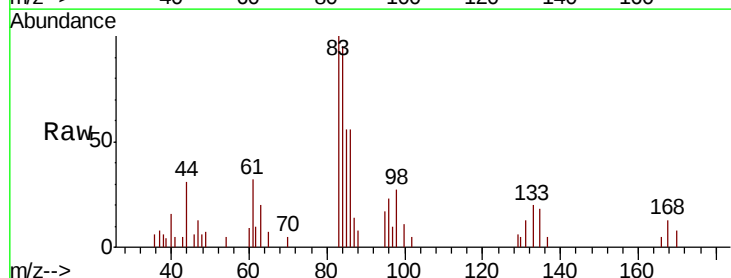
Tgt Ion: 83 Resp: 4113

Ion Ratio Lower Upper

83 100

85 56.3 44.3 82.3

131 12.7 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV019875.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV019875.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV019875.D (-2848) (-)

10.25

3000

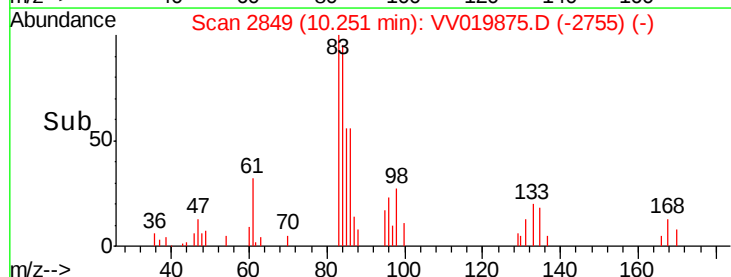
2000

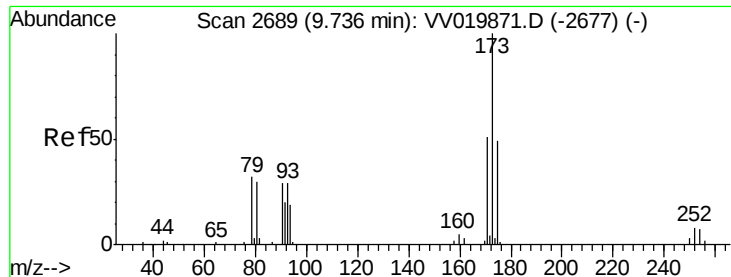
1000

0

10.20 10.25 10.30

Time-->





#59

Bromoform

Concen: 0.243 ug/L

RT: 9.74 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

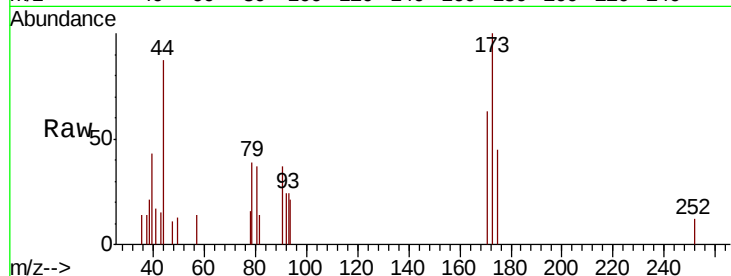
Tot Ion:173 Resp: 1581

Ion Ratio Lower Upper

173 100

175 42.2 38.3 57.5

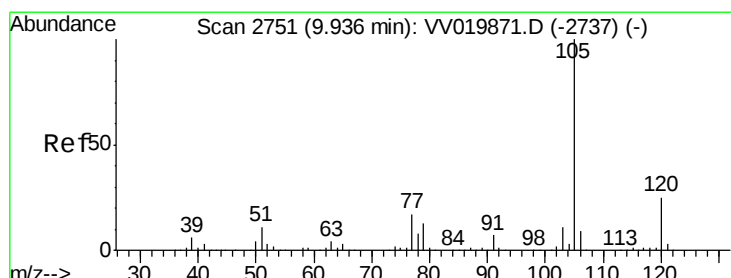
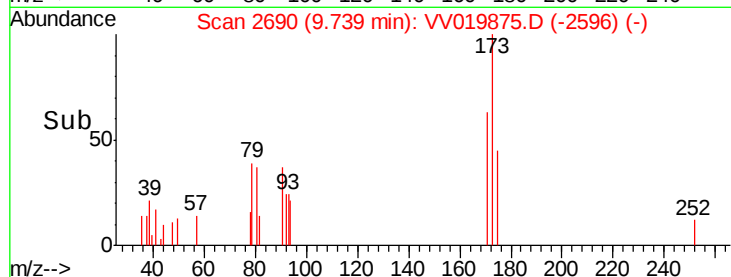
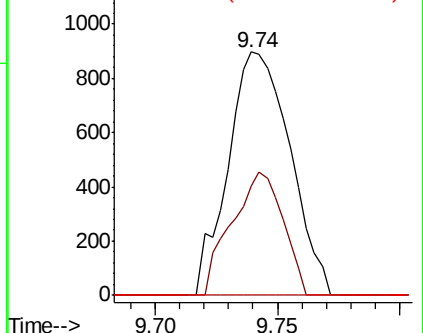
254 0.0 6.4 9.6#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.248 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

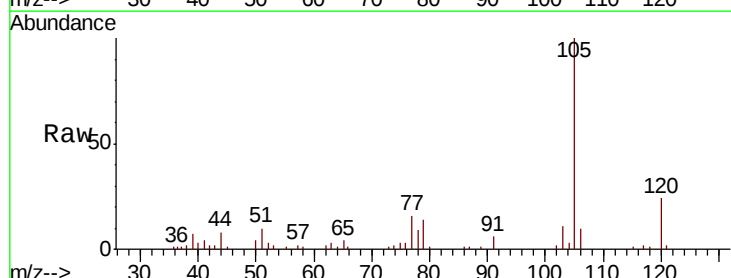
Tgt Ion:105 Resp: 21705

Ion Ratio Lower Upper

105 100

120 26.7 20.4 30.6

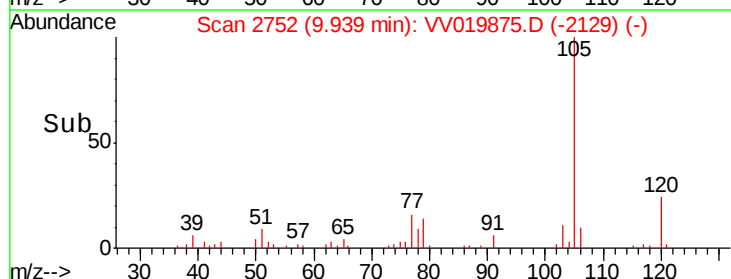
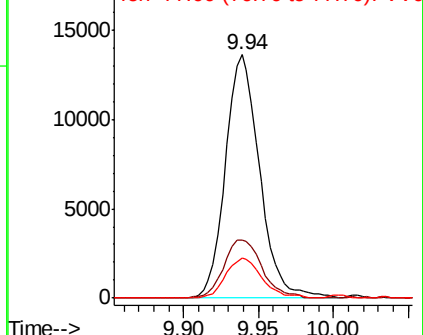
77 17.4 13.7 20.5

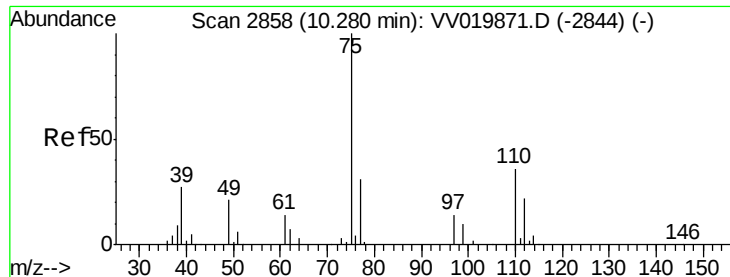


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

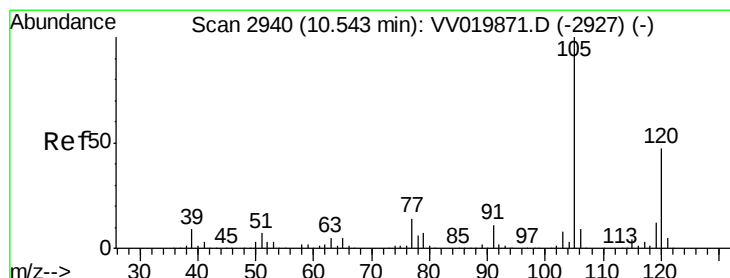
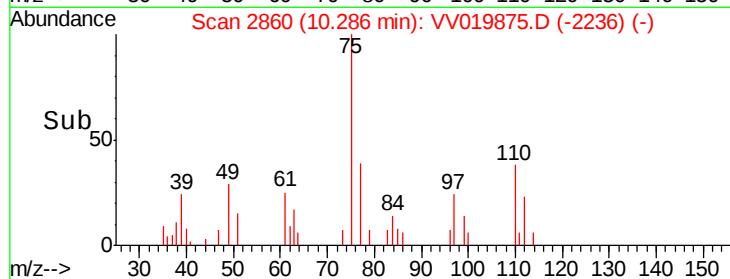
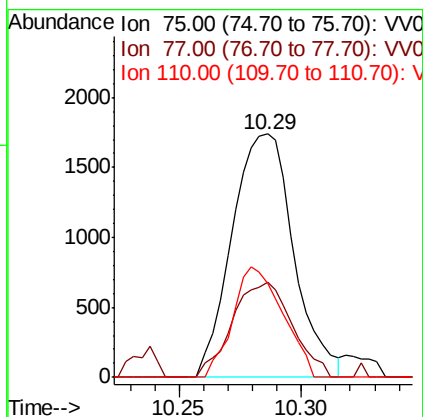
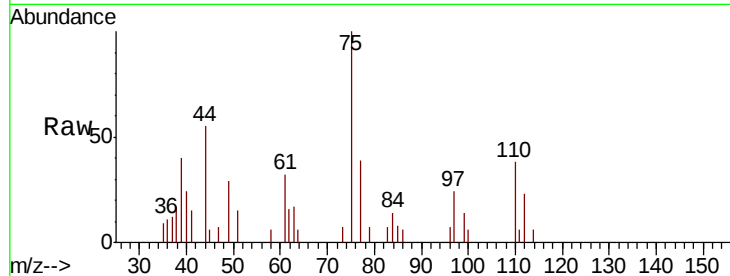




#61
 1,2,3-Trichloropropane
 Concen: 0.263 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

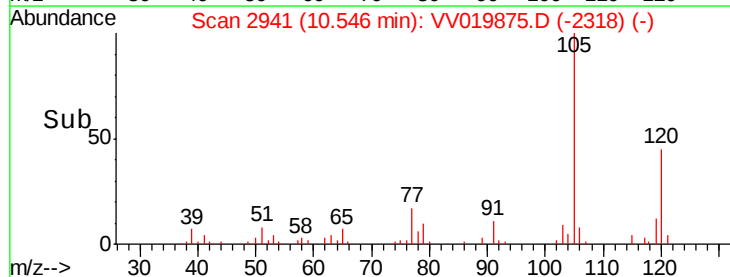
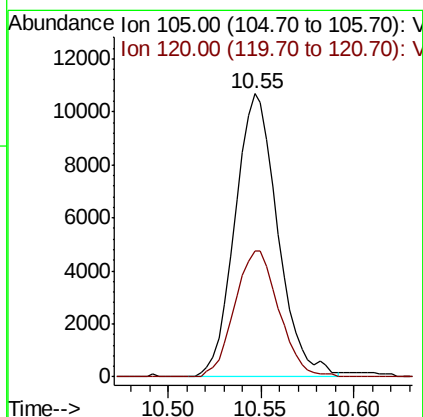
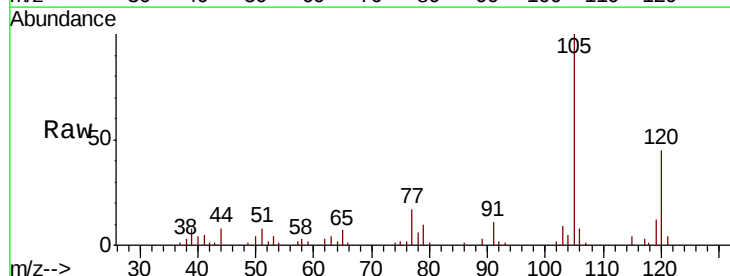
Instrument :
 MSVOA_V
 ClientSampleId :

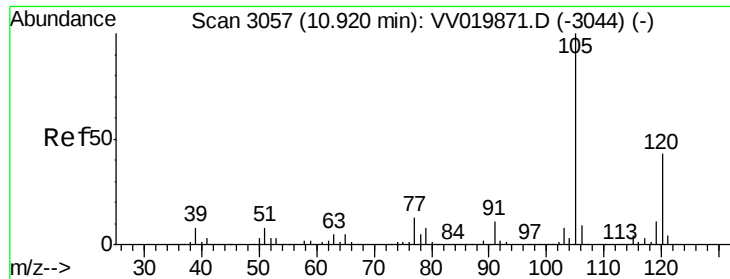
Tot Ion: 75 Resp: 3056
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.6 38.4
 110 36.7 30.5 45.7



#62
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/L
 RT: 10.55 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion: 105 Resp: 17162
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.8 56.6

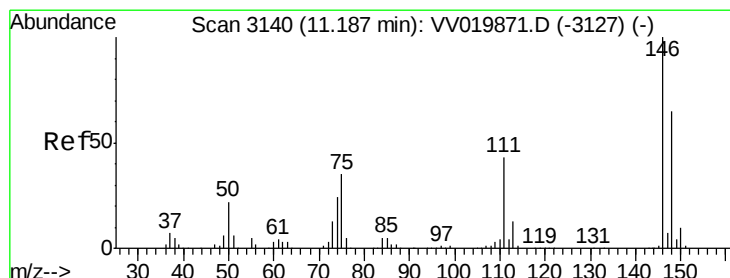
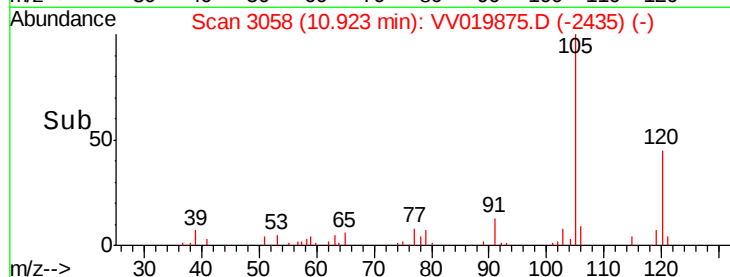
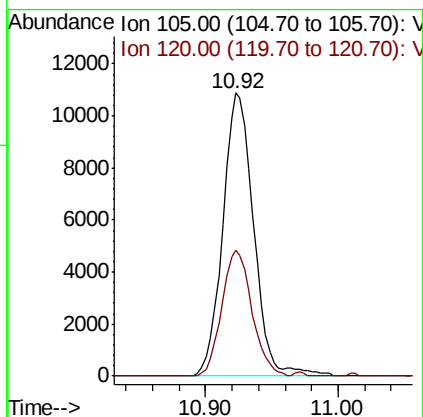
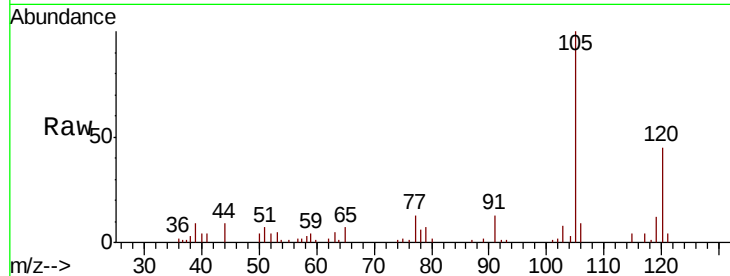




#63
 1,2,4-Trimethylbenzene
 Concen: 0.239 ug/L
 RT: 10.92 min Scan# 3058
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

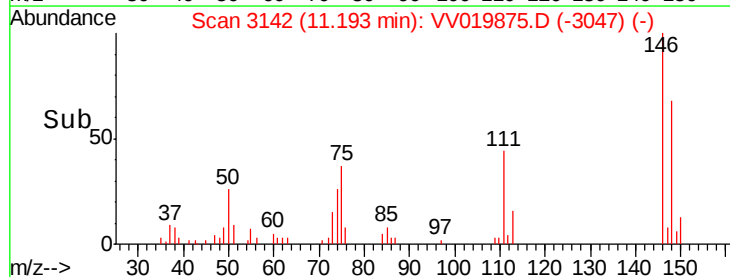
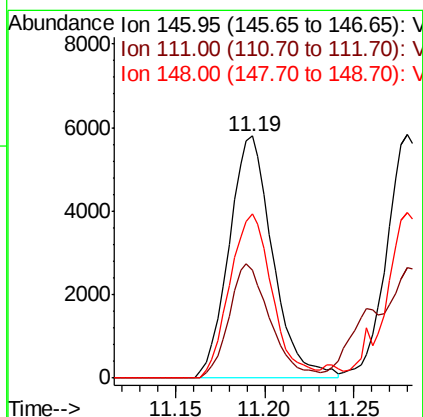
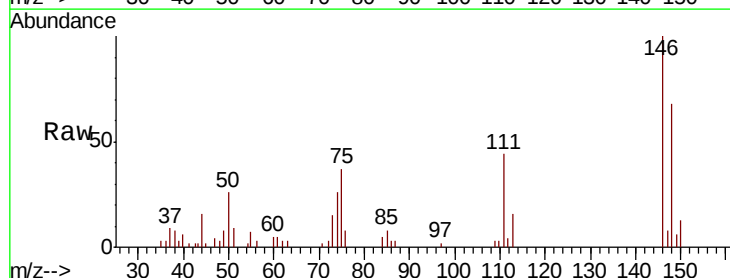
Instrument :
 MSVOA_V
 ClientSampled :

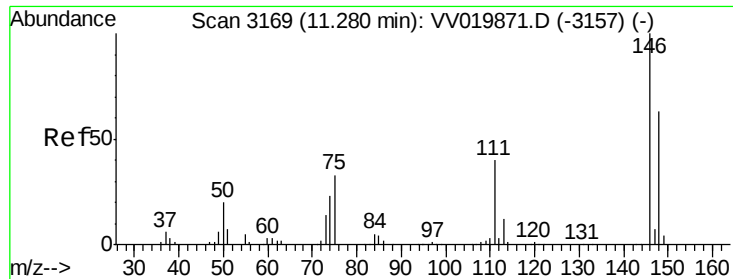
Tot Ion:105 Resp: 17570
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.9 52.3



#64
 1,3-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 11.19 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Tgt Ion:146 Resp: 9853
 Ion Ratio Lower Upper
 146 100
 111 44.4 30.4 56.5
 148 67.9 45.8 85.2





#65

1,4-Dichlorobenzene

Concen: 0.283 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VV019875.D

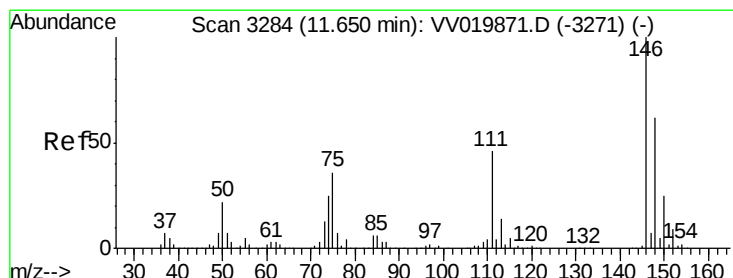
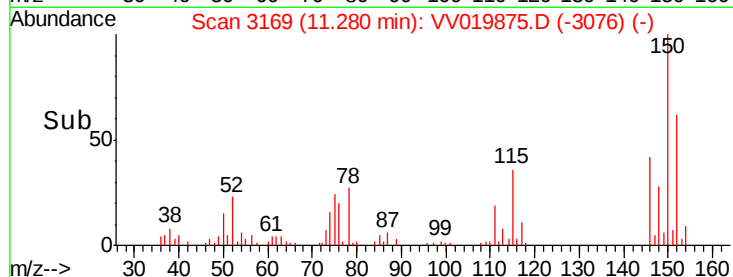
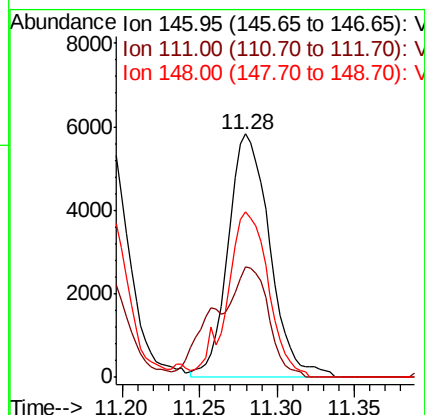
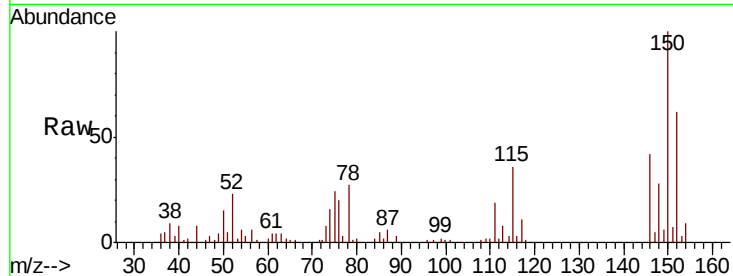
Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	10908
Ion Ratio	Lower	Upper
146	100	
111	45.2	29.7 55.1
148	67.9	45.1 83.7



#67

1,2-Dichlorobenzene

Concen: 0.280 ug/L

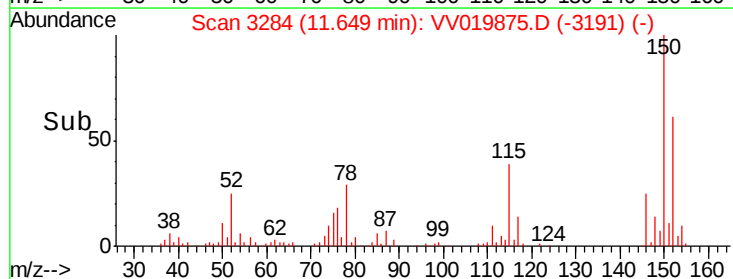
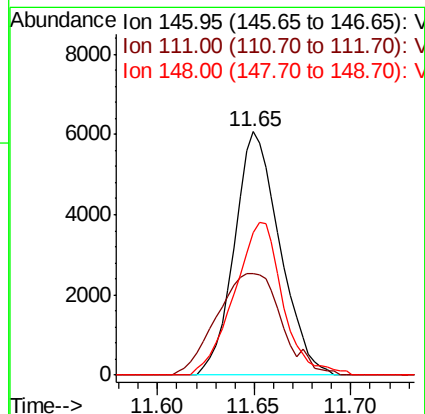
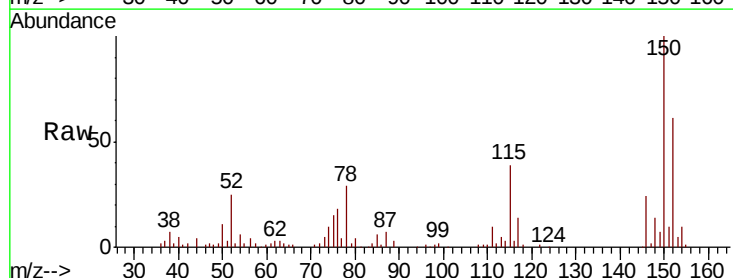
RT: 11.65 min Scan# 3284

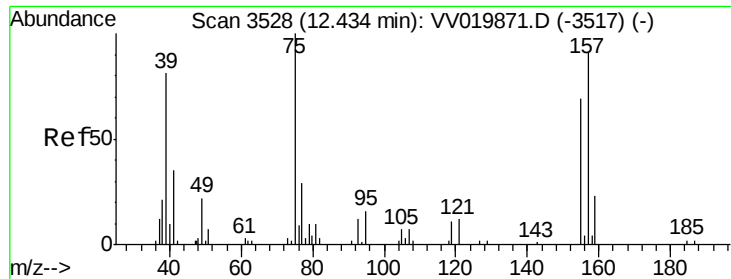
Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion:146	Resp:	9891
Ion Ratio	Lower	Upper
146	100	
111	41.8	37.7 56.5
148	58.5	50.6 75.8





#68

1,2-Dibromo-3-chloropropane

Concen: 0.143 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Instrument :

MSVOA_V

ClientSampleId :

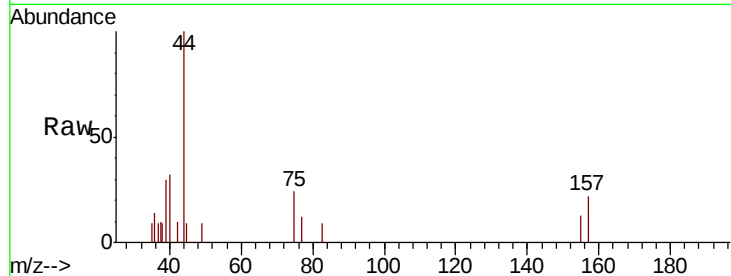
Tot Ion: 75 Resp: 342

Ion Ratio Lower Upper

75 100

155 54.9 56.5 84.7#

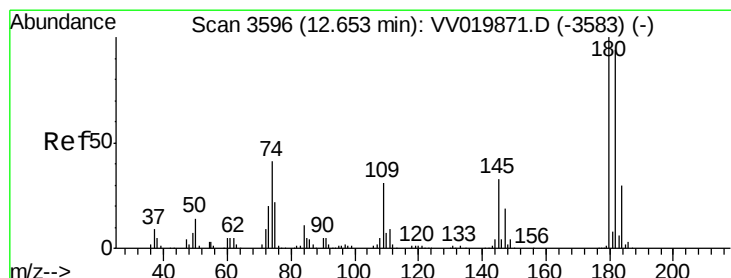
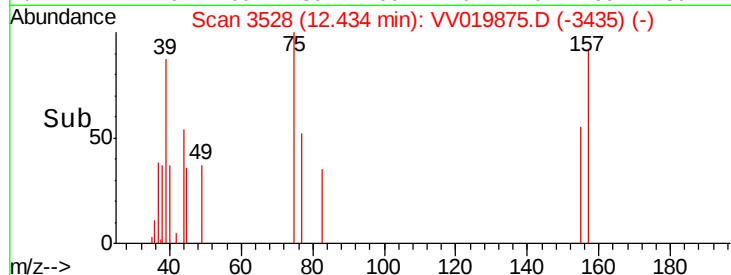
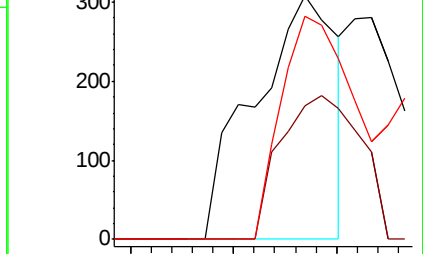
157 91.6 74.2 111.2



Abundance Ion 75.05 (74.75 to 75.75): VV019875.D (-3435) (-)

Ion 154.95 (154.65 to 155.65): VV019875.D (-3435) (-)

Ion 156.90 (156.60 to 157.60): VV019875.D (-3435) (-)



#69

1,3,5-Trichlorobenzene

Concen: 0.274 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VV019875.D

Acq: 30 Dec 2020 13:17

Tgt Ion: 180 Resp: 7786

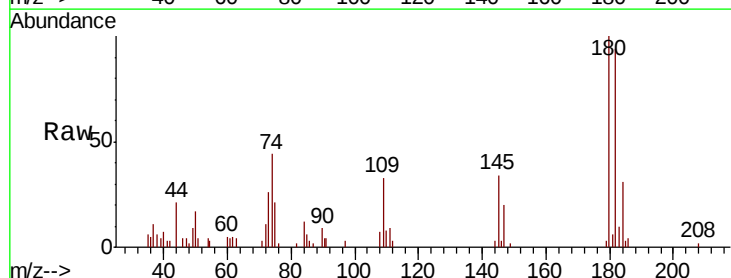
Ion Ratio Lower Upper

180 100

182 98.2 75.9 113.9

184 29.1 23.5 35.3

145 31.8 26.2 39.2

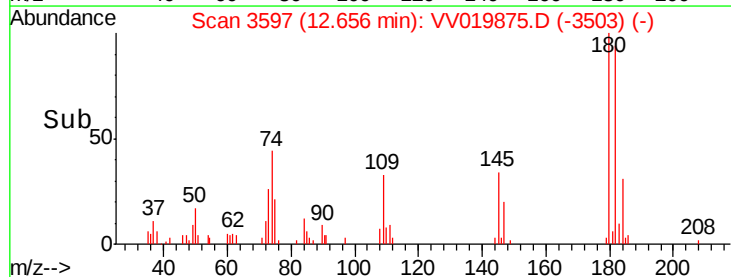
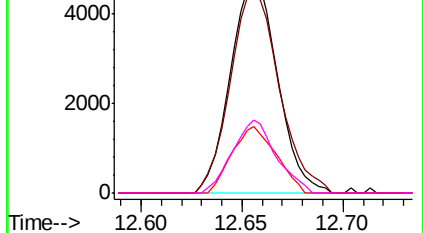


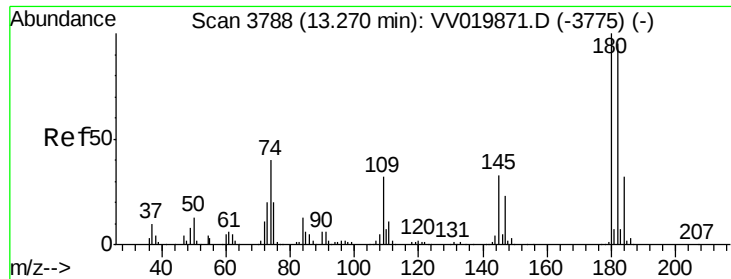
Abundance Ion 180.00 (179.70 to 180.70): VV019875.D (-3503) (-)

Ion 182.00 (181.70 to 182.70): VV019875.D (-3503) (-)

Ion 184.00 (183.70 to 184.70): VV019875.D (-3503) (-)

Ion 145.00 (144.70 to 145.70): VV019875.D (-3503) (-)

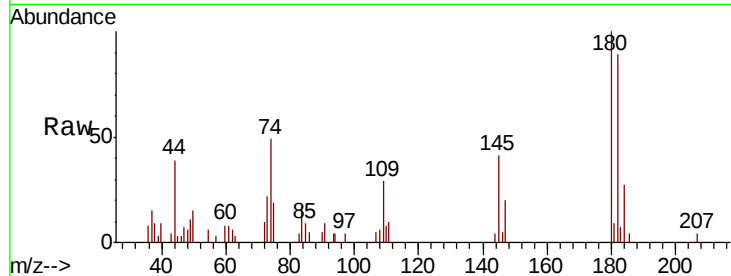




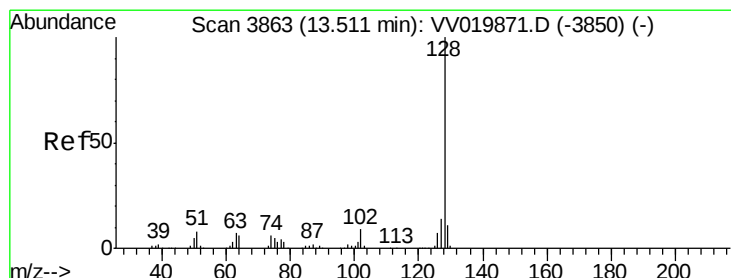
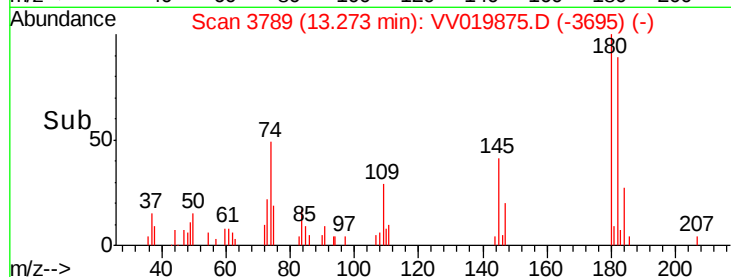
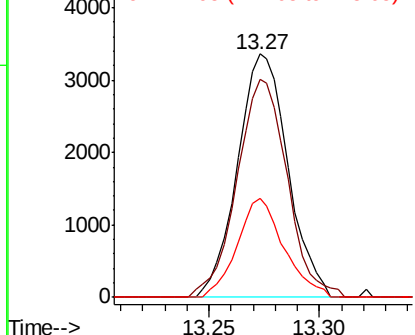
#70
1,2,4-trichlorobenzene
Concen: 0.231 ug/L
RT: 13.27 min Scan# 3789
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:180 Resp: 5341
Ion Ratio Lower Upper
180 100
182 89.3 75.9 113.9
145 37.7 26.6 39.8

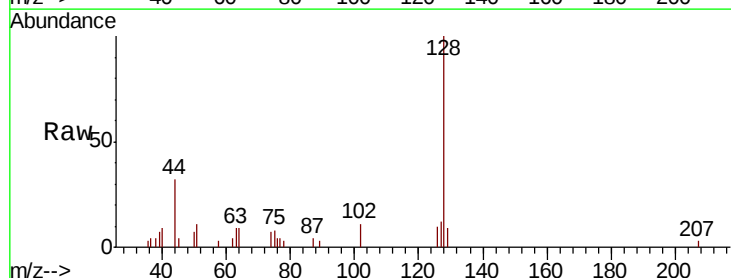


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

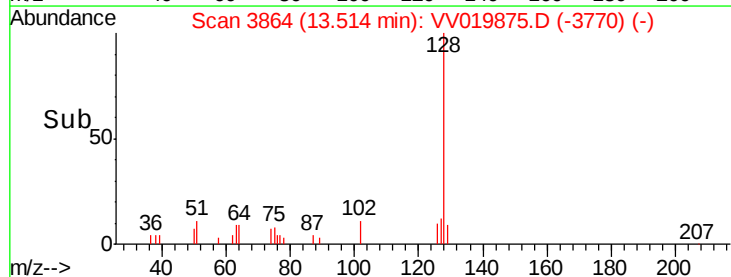
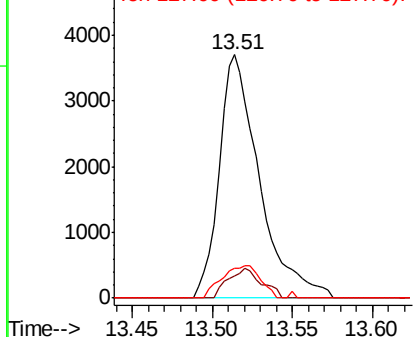


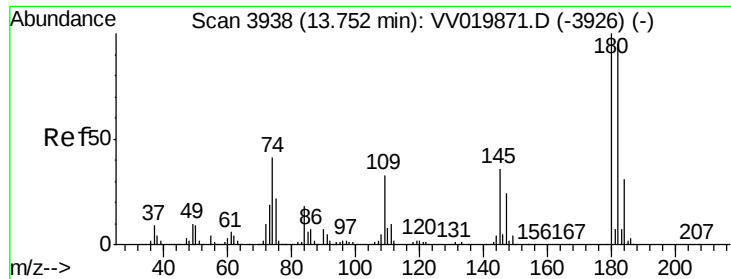
#71
Naphthalene
Concen: 0.182 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VV019875.D
Acq: 30 Dec 2020 13:17

Tgt Ion:128 Resp: 6362
Ion Ratio Lower Upper
128 100
129 10.0 8.5 12.7
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

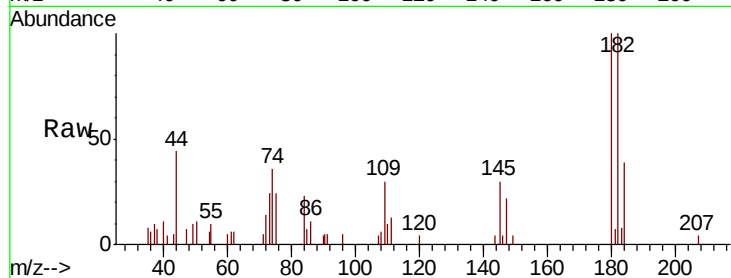




#72
 1,2,3-Trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: VV019875.D
 Acq: 30 Dec 2020 13:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	74.6	112.0
145	31.5	28.8	43.2



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

