

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019263.D
 Acq On : 04 Nov 2020 23:57
 Operator : SY/MD
 Sample : L4485-21
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:06:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228051	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218046	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	107041	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75658	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.98%
7) Chloroethane-d5	1.58	69	65543	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.06%
11) 1,1-Dichloroethene-d2	2.12	63	115627	35.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.96%
21) 2-Butanone-d5	3.91	46	112169	115.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.59%
24) Chloroform-d	4.37	84	155356	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
26) 1,2-Dichloroethane-d4	5.05	65	115112	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
32) Benzene-d6	5.07	84	288233	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
36) 1,2-Dichloropropane-d6	6.09	67	93296	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.80%
41) Toluene-d8	7.34	98	251196	44.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.58%
43) trans-1,3-Dichloropropene-	7.64	79	46229	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.11	63	70029	100.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.35%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	115025	48.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.04%
66) 1,2-Dichlorobenzene-d4	11.65	152	107180	50.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3255	2.330 ug/L	96
3) Chloromethane	1.25	50	3706	2.547 ug/L	90
5) Vinyl chloride	1.32	62	4397	2.904 ug/L #	55
6) Bromomethane	1.53	94	3153	3.098 ug/L	95
8) Chloroethane	1.60	64	3239	3.270 ug/L	98
9) Trichlorofluoromethane	1.77	101	6390	2.549 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4263	3.579 ug/L #	76
12) 1,1-Dichloroethene	2.13	96	4192	3.405 ug/L #	1
13) Acetone	2.19	43	4077	5.524 ug/L	100
14) Carbon disulfide	2.31	76	8552	2.419 ug/L #	95
15) Methyl Acetate	2.46	43	3987	2.788 ug/L	90
16) Methylene chloride	2.52	84	4364	2.982 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	3253	2.436 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	11847	2.523 ug/L	98
19) 1,1-Dichloroethane	3.21	63	6936	2.651 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4046	2.741 ug/L	100
22) 2-Butanone	4.03	43	2445	2.610 ug/L	81

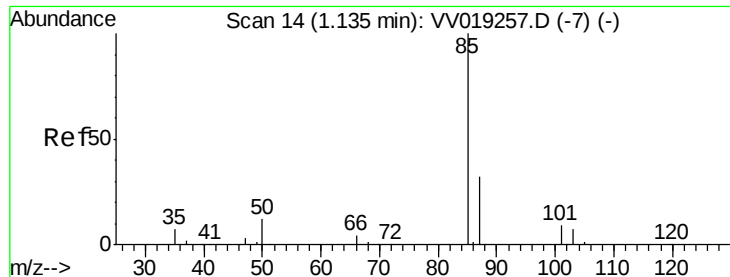
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
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 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2058	2.532	ug/L	92
25) Chloroform	4.41	83	9042	3.223	ug/L	97
27) 1,2-Dichloroethane	5.17	62	6874	2.882	ug/L #	90
29) Cyclohexane	4.71	56	3794	2.033	ug/L #	81
30) 1,1,1-Trichloroethane	4.64	97	6451	2.551	ug/L #	76
31) Carbon tetrachloride	4.63	117	749	0.343	ug/L	88
33) Benzene	5.13	78	13204	2.437	ug/L	100
34) Trichloroethene	5.94	95	4020	2.730	ug/L	91
35) Methylcyclohexane	6.16	83	4114	2.308	ug/L	98
37) 1,2-Dichloropropane	6.21	63	4007	2.771	ug/L #	89
38) Bromodichloromethane	6.54	83	5422	2.605	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	5710	2.468	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	9442	4.860	ug/L	98
42) Toluene	7.41	91	16072	2.744	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5444	2.296	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	4037	2.824	ug/L	92
46) Tetrachloroethene	8.00	164	2869	2.388	ug/L	95
48) 2-Hexanone	8.16	43	10271	6.993	ug/L #	94
49) Dibromochloromethane	8.27	129	4297	2.521	ug/L	96
50) 1,2-Dibromoethane	8.38	107	3814	2.574	ug/L #	89
51) Chlorobenzene	8.91	112	9741	2.486	ug/L	95
52) Ethylbenzene	9.04	91	14972	2.317	ug/L	96
53) m,p-Xylene	9.16	106	5108	2.111	ug/L	94
54) o-Xylene	9.57	106	5150	2.160	ug/L	96
55) Styrene	9.59	104	7983	1.881	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.26	83	6242	2.886	ug/L #	95
59) Bromoform	9.76	173	3159	2.659	ug/L #	96
60) Isopropylbenzene	9.95	105	12822	2.286	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	5011	3.013	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	9615	2.058	ug/L	95
63) 1,2,4-Trimethylbenzene	10.94	105	9303	2.035	ug/L	96
64) 1,3-Dichlorobenzene	11.21	146	7493	2.553	ug/L	91
65) 1,4-Dichlorobenzene	11.30	146	8246	2.716	ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	8466	2.820	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1219	2.513	ug/L	87
69) 1,3,5-Trichlorobenzene	12.67	180	4890	2.322	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	4172	2.105	ug/L	93
71) Naphthalene	13.53	128	10309	1.844	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4372	2.225	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 2.330 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

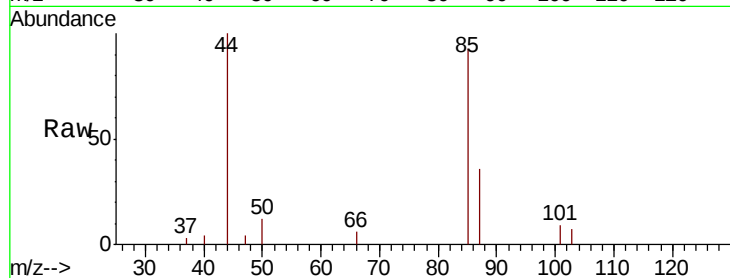
ClientSampleId :

Tot Ion: 85 Resp: 3255

Ion Ratio Lower Upper

85 100

87 34.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019257.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019257.D (-7) (-)

1.14

4000

3000

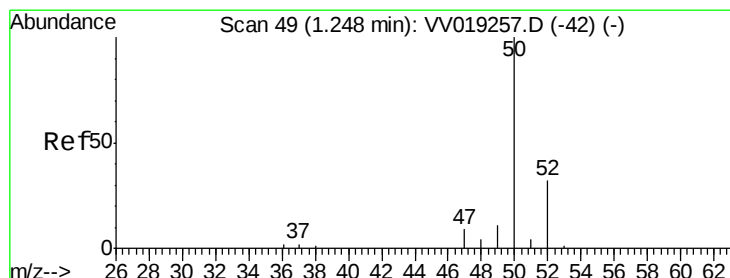
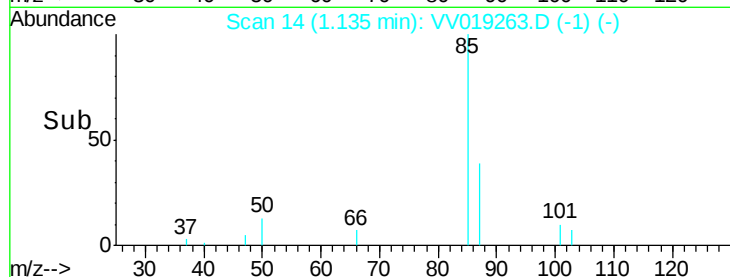
2000

1000

0

Time-->

1.10 1.12 1.14 1.16



#3

Chloromethane

Concen: 2.547 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019263.D

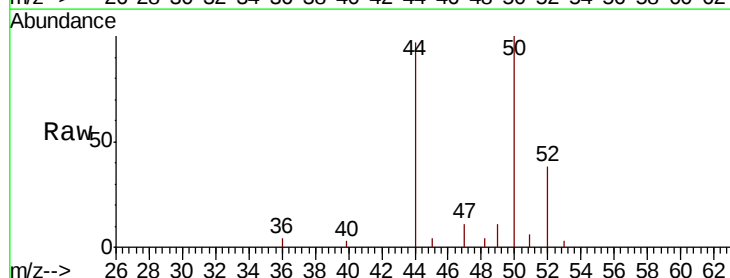
Acq: 04 Nov 2020 23:57

Tgt Ion: 50 Resp: 3706

Ion Ratio Lower Upper

50 100

52 38.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019257.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019257.D (-42) (-)

1.25

4000

3000

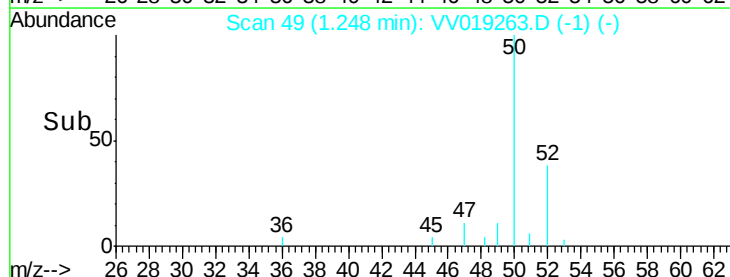
2000

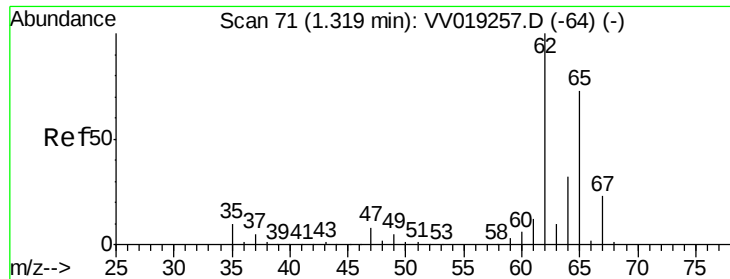
1000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.904 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

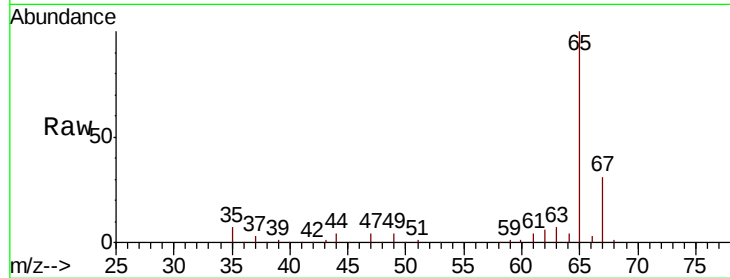
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 4397

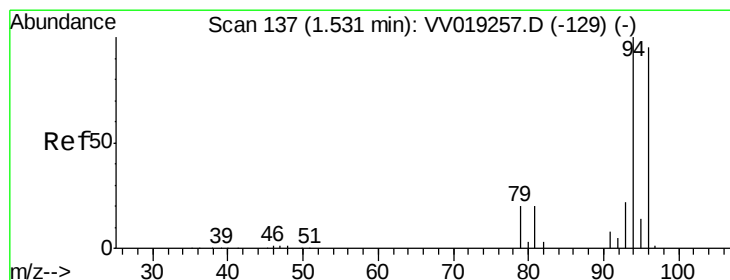
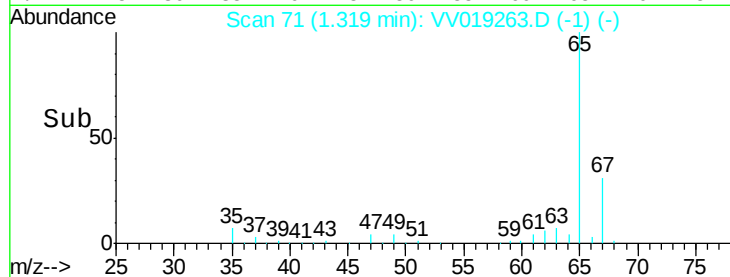
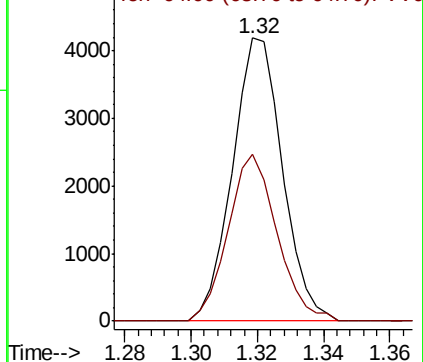
Ion Ratio Lower Upper

62 100

64 58.8 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 3.098 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019263.D

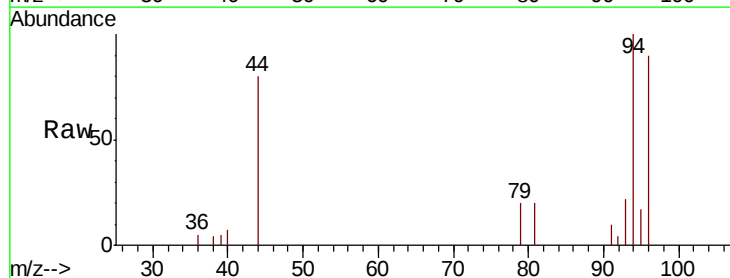
Acq: 04 Nov 2020 23:57

Tgt Ion: 94 Resp: 3153

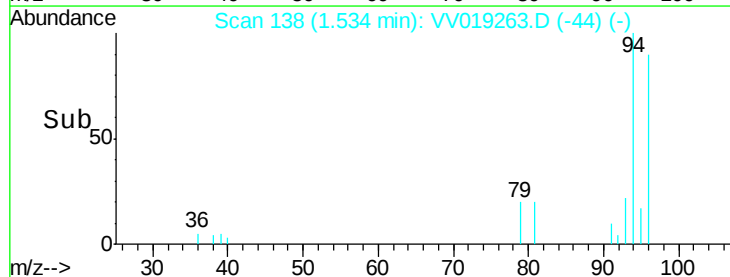
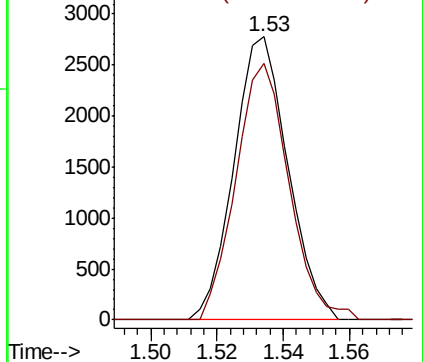
Ion Ratio Lower Upper

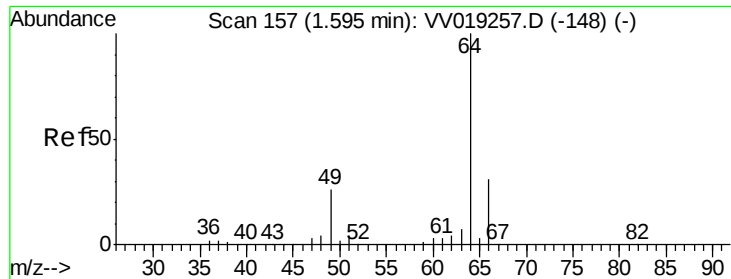
94 100

96 90.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0

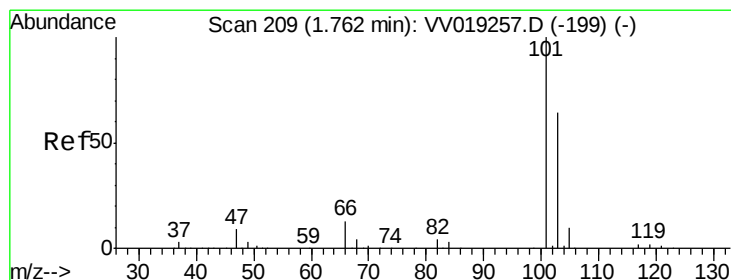
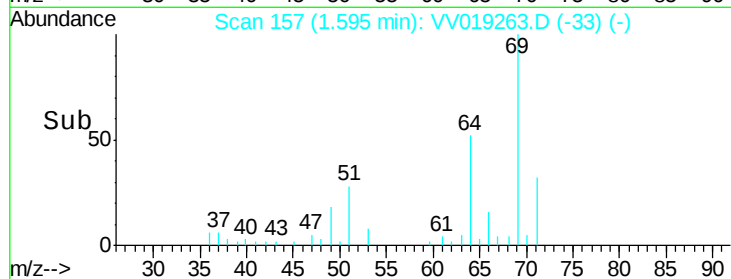
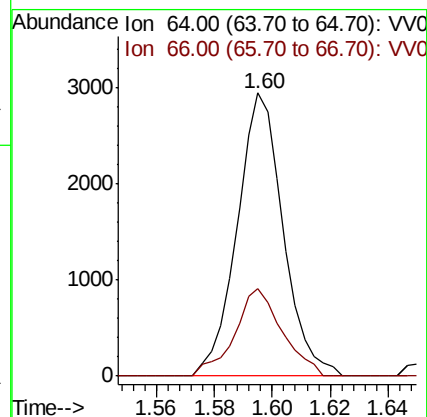
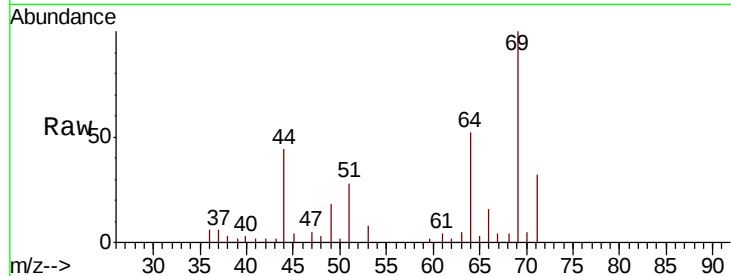




#8
Chloroethane
Concen: 3.270 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

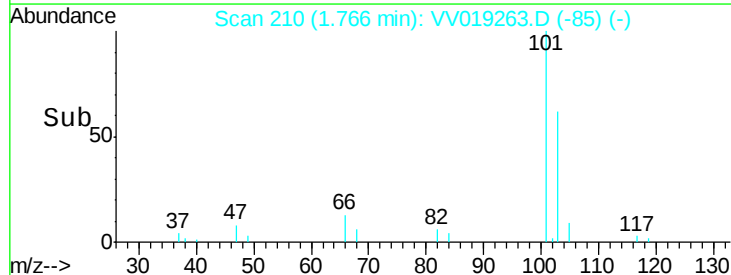
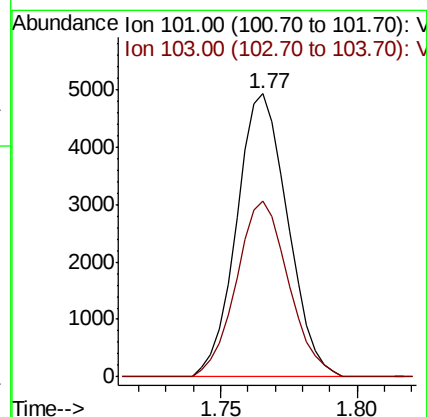
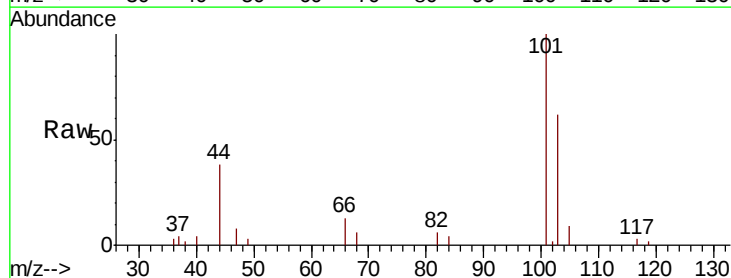
Instrument :
MSVOA_V
ClientSampleId :

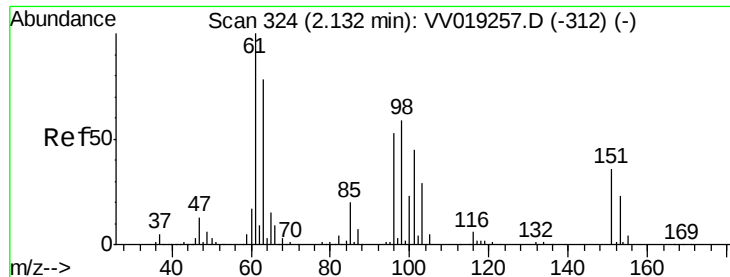
Tot Ion: 64 Resp: 3239
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.549 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 101 Resp: 6390
Ion Ratio Lower Upper
101 100
103 63.4 52.3 78.5





#10

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

Concen: 3.579 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

ClientSampled :

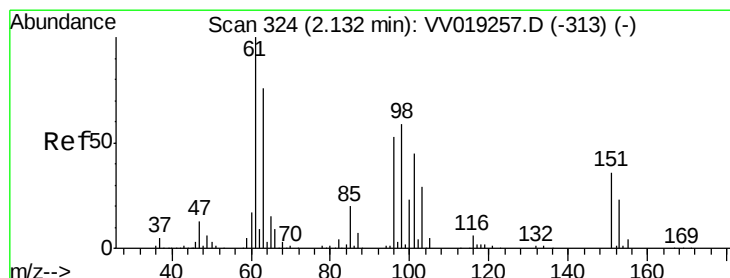
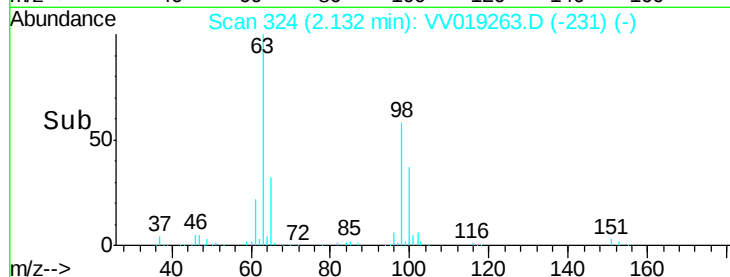
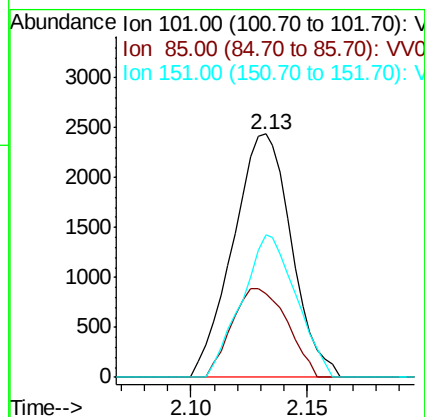
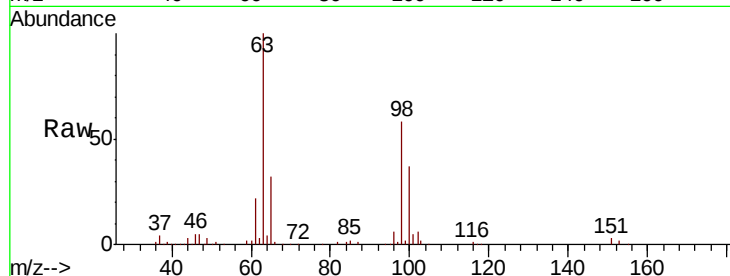
Tot Ion:101 Resp: 4263

Ion Ratio Lower Upper

101 100

85 34.7 35.6 53.4#

151 54.4 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 3.405 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

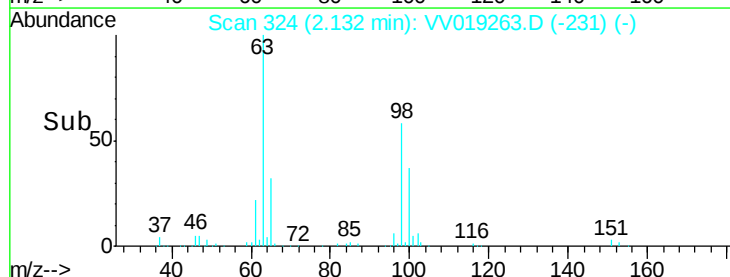
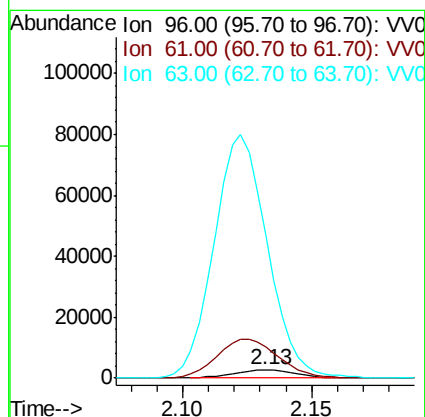
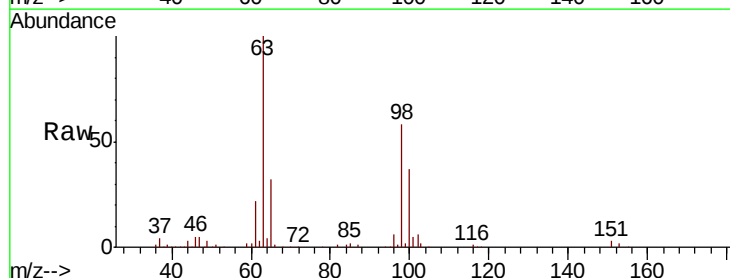
Tgt Ion: 96 Resp: 4192

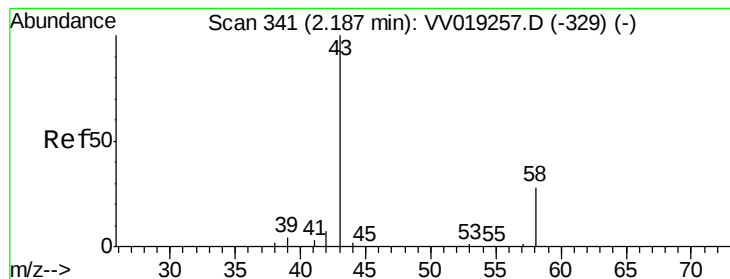
Ion Ratio Lower Upper

96 100

61 382.7 133.6 248.0#

63 1753.8 103.0 191.2#





#13

Acetone

Concen: 5.524 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

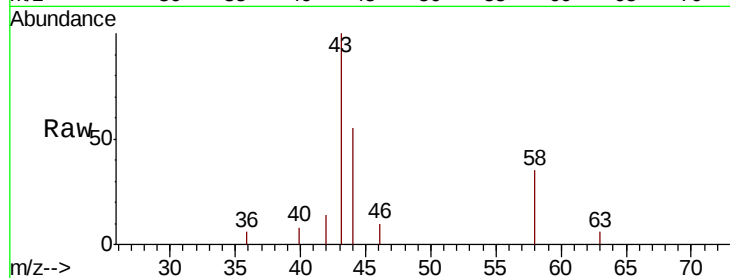
ClientSampleId :

Tot Ion: 43 Resp: 4077

Ion Ratio Lower Upper

43 100

58 28.8 0.0 57.8



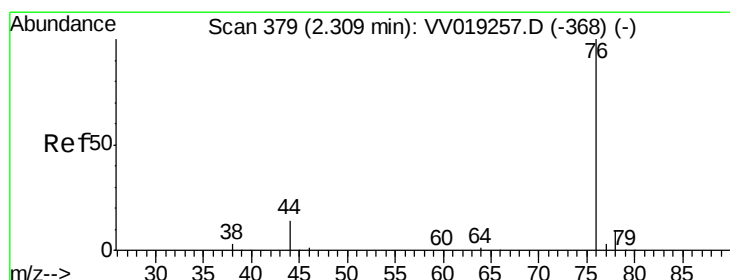
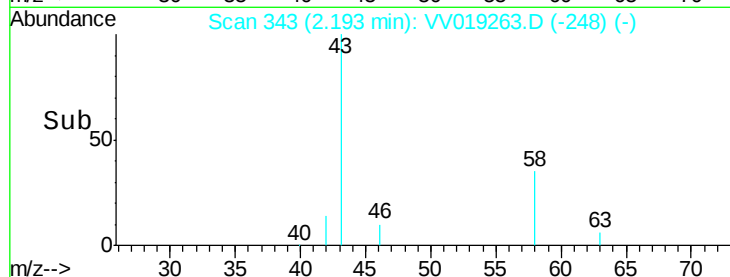
Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019257.D (-329) (-)

2.19

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.419 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019263.D

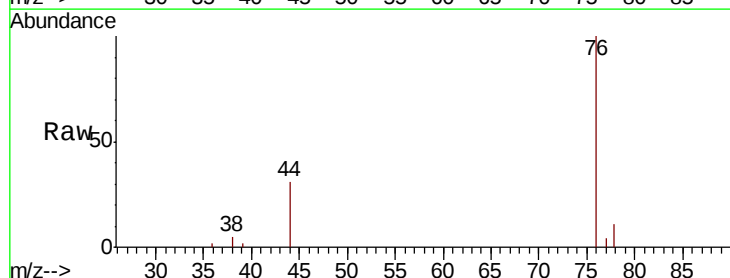
Acq: 04 Nov 2020 23:57

Tgt Ion: 76 Resp: 8552

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#



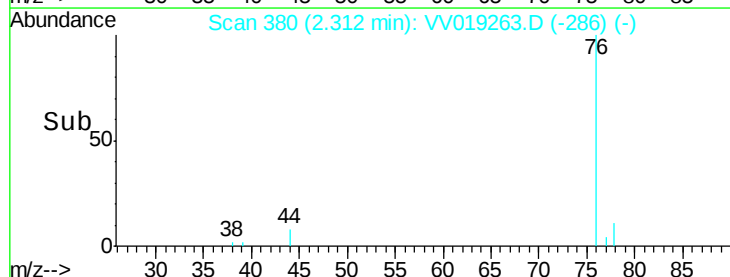
Abundance Ion 76.00 (75.70 to 76.70): VV019257.D (-368) (-)

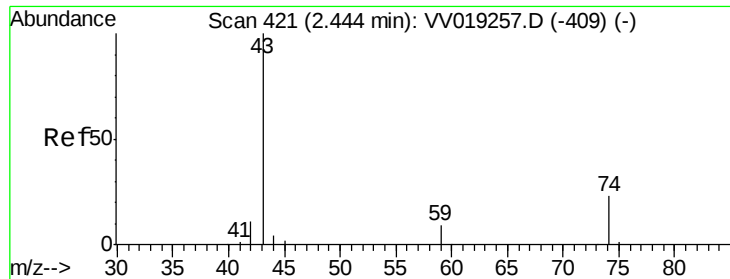
Ion 78.00 (77.70 to 78.70): VV019257.D (-368) (-)

2.31

2.25 2.30 2.35

Time-->

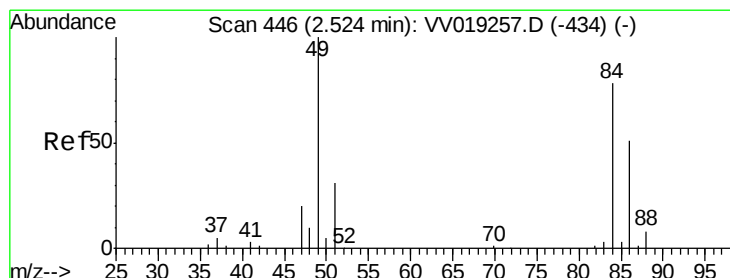
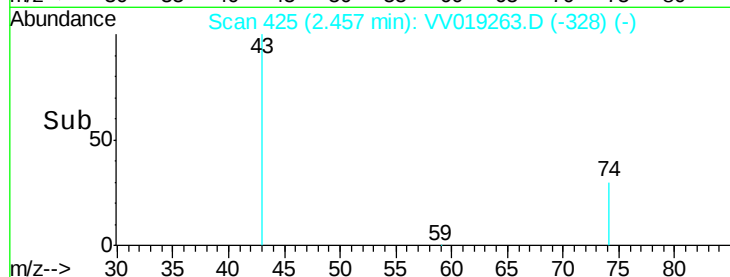
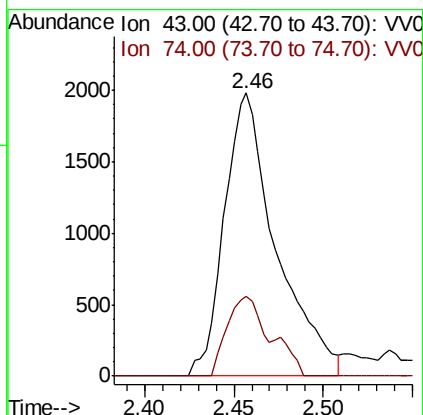
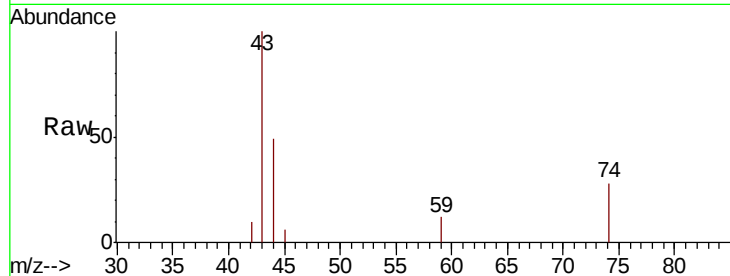




#15
Methvl Acetate
Concen: 2.788 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

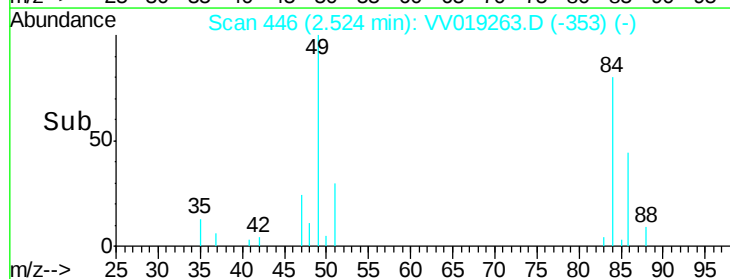
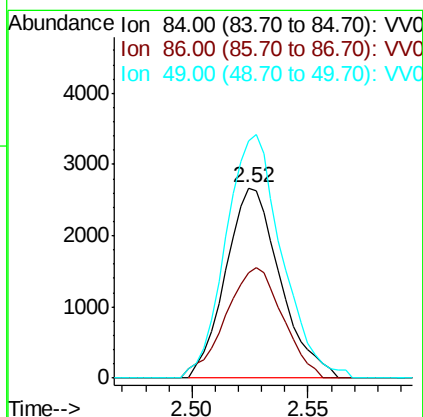
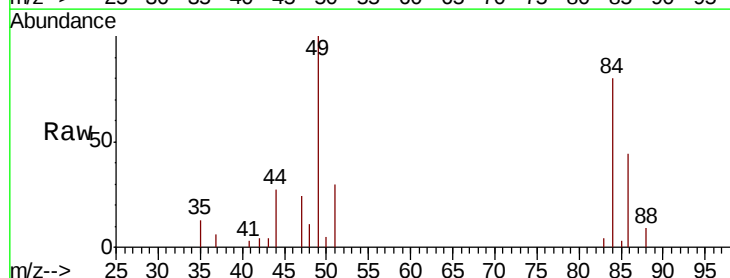
Instrument :
MSVOA_V
ClientSampled :

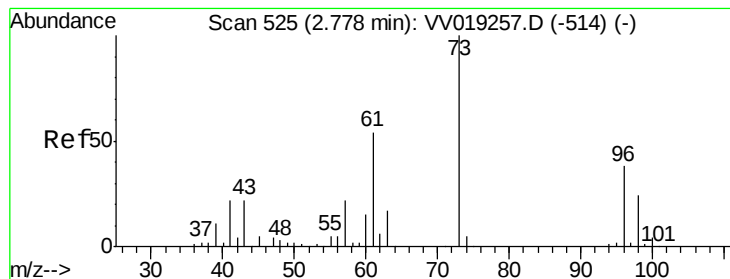
Tot Ion: 43 Resp: 3987
Ion Ratio Lower Upper
43 100
74 18.8 18.8 28.2



#16
Methylene chloride
Concen: 2.982 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 84 Resp: 4364
Ion Ratio Lower Upper
84 100
86 55.2 45.6 84.8
49 124.8 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.436 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :
MSVOA_V
ClientSampleId :

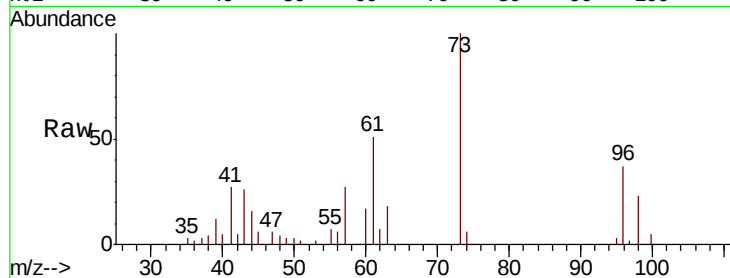
Tot Ion: 96 Resp: 3253

Ion Ratio Lower Upper

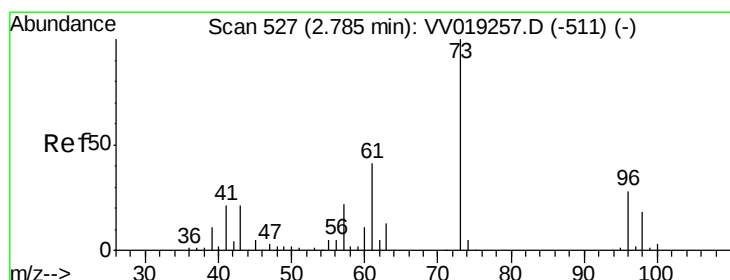
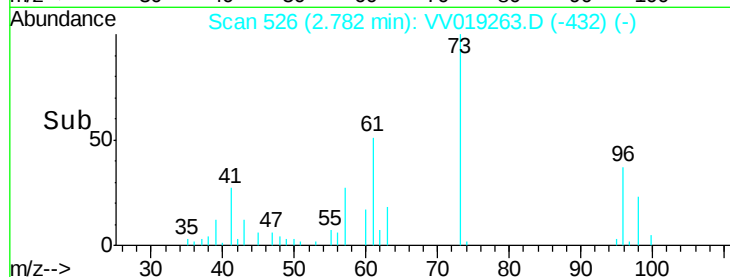
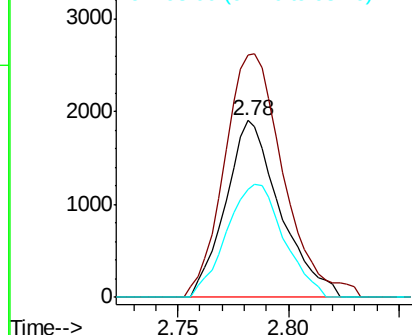
96 100

61 136.8 100.7 187.1

98 61.0 42.9 79.7



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



#18

Methyl tert-butyl Ether

Concen: 2.523 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

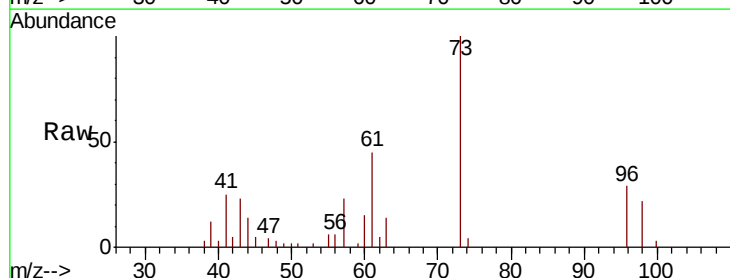
Tgt Ion: 73 Resp: 11847

Ion Ratio Lower Upper

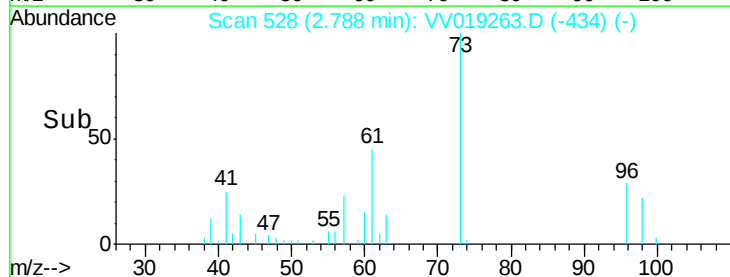
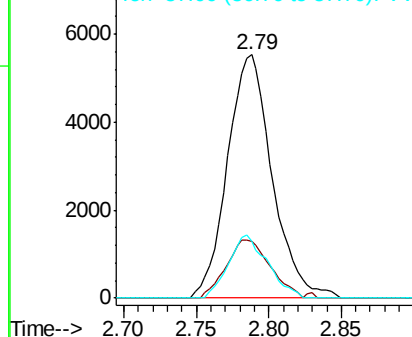
73 100

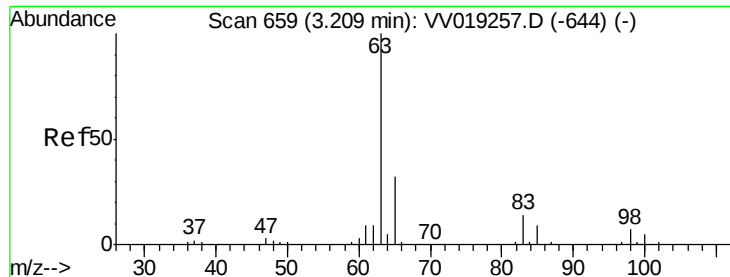
43 23.4 17.9 26.9

57 22.6 17.1 25.7



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

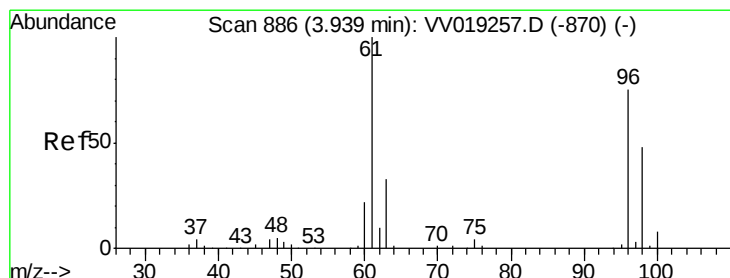
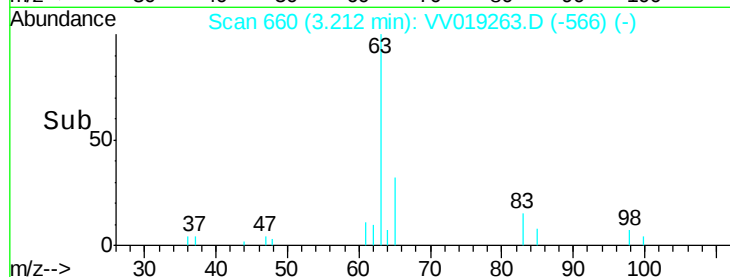
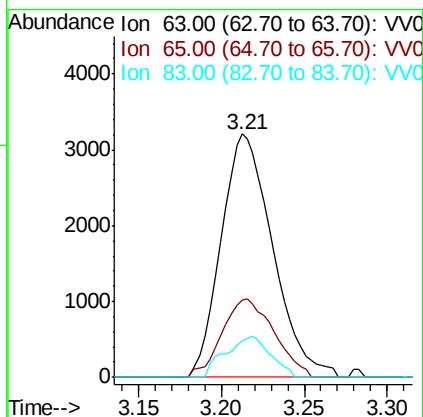
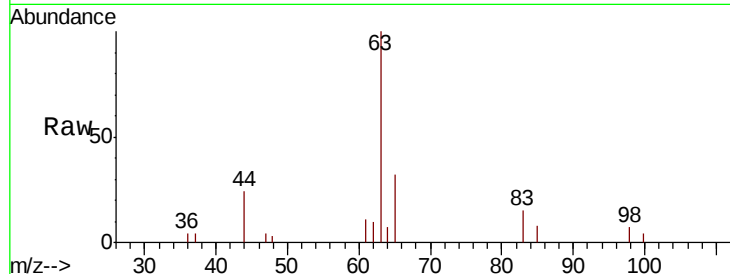




#19
 1,1-Dichloroethane
 Concen: 2.651 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

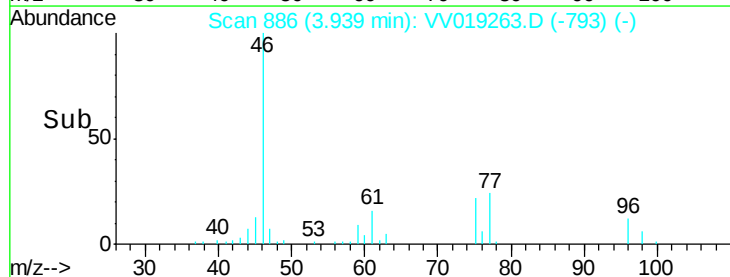
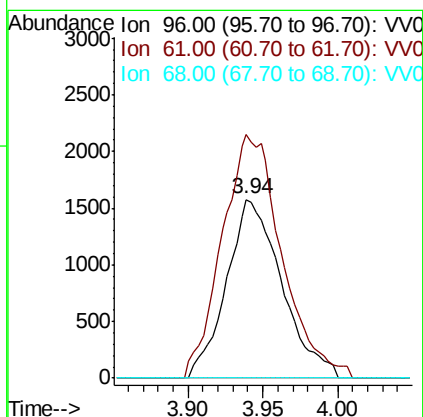
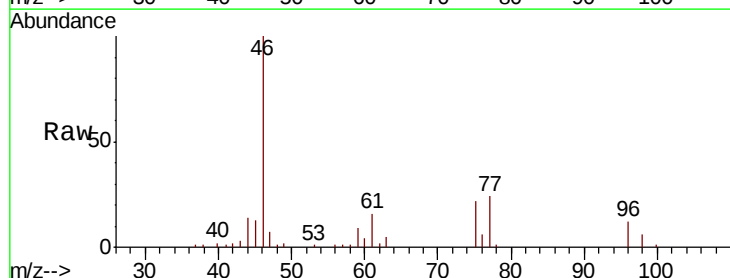
Instrument :
 MSVOA_V
 ClientSampleId :

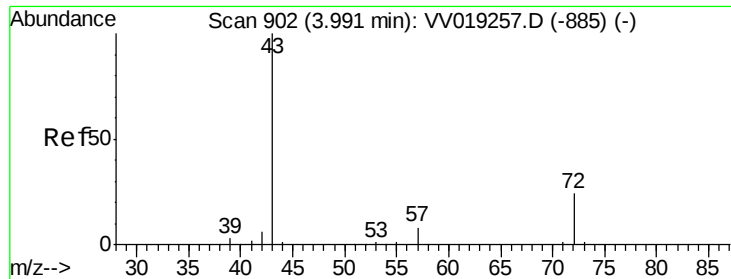
Tot Ion: 63 Resp: 6936
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.6
 83 14.7 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.741 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion: 96 Resp: 4046
 Ion Ratio Lower Upper
 96 100
 61 136.3 95.6 177.6
 68 0.0 0.0 0.0

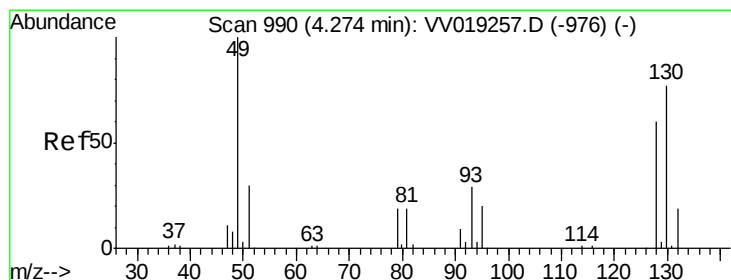
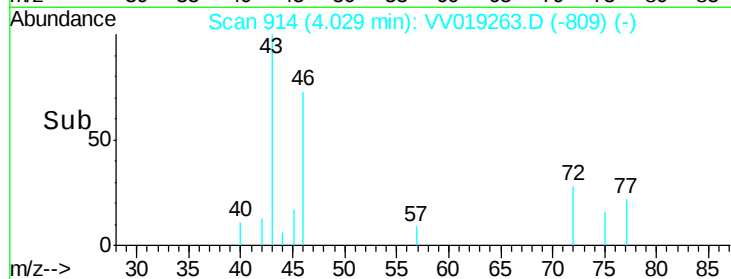
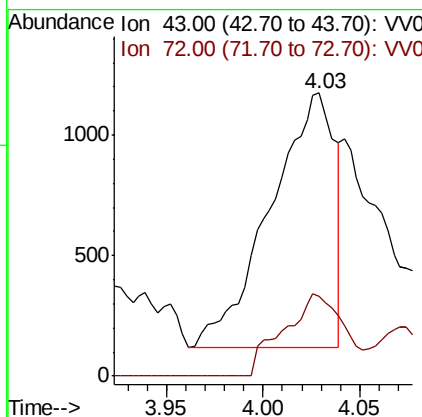
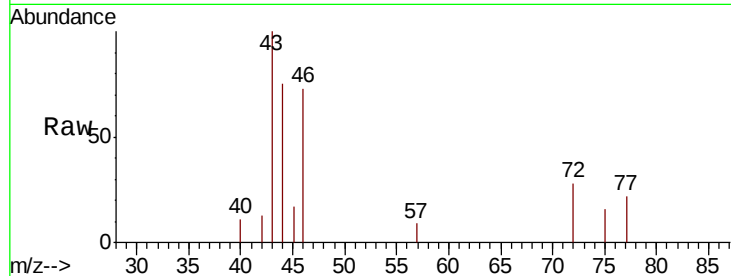




#22
2-Butanone
Concen: 2.610 ug/L
RT: 4.03 min Scan# 914
Delta R.T. 0.04 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

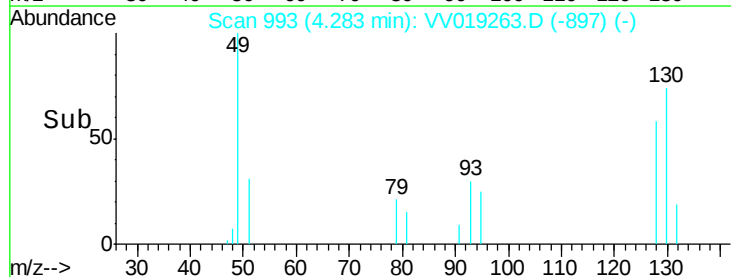
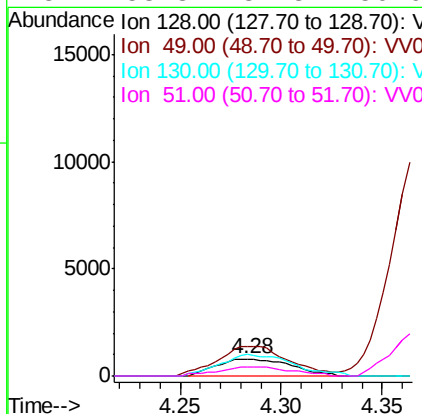
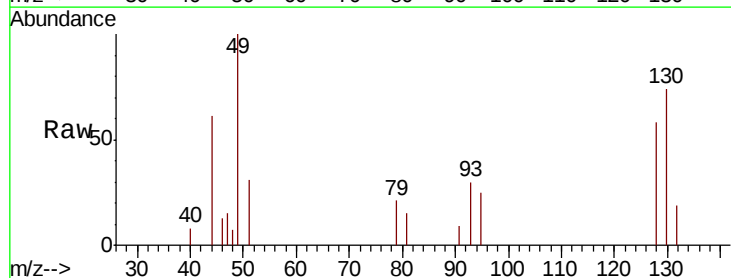
Instrument :
MSVOA_V
ClientSampleId :

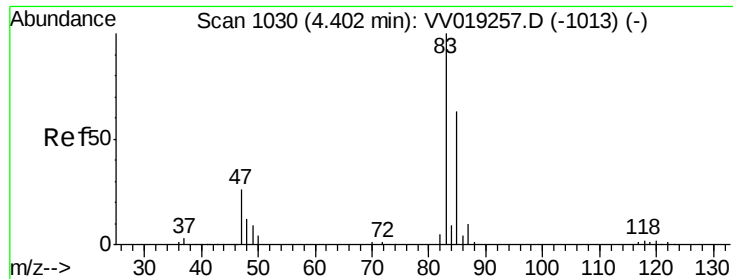
Tot Ion: 43 Resp: 2445
Ion Ratio Lower Upper
43 100
72 15.9 12.7 38.0



#23
Bromochloromethane
Concen: 2.532 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 128 Resp: 2058
Ion Ratio Lower Upper
128 100
49 171.9 108.8 202.2
130 127.8 88.5 164.3
51 53.3 37.8 56.6

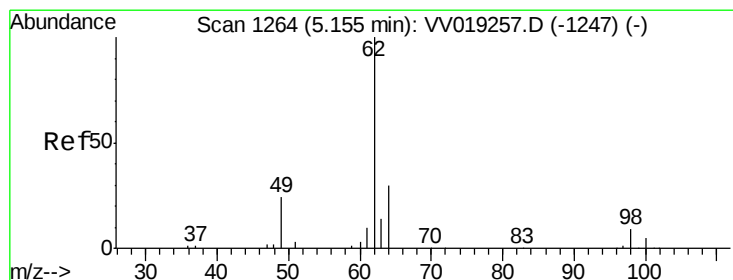
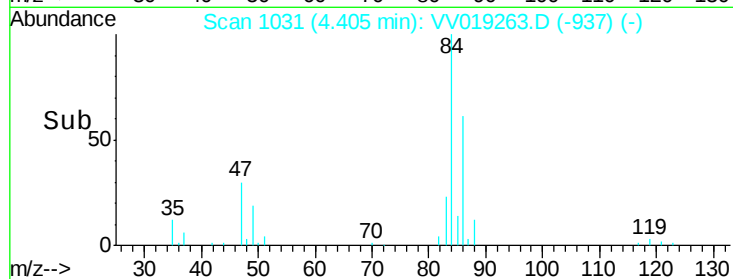
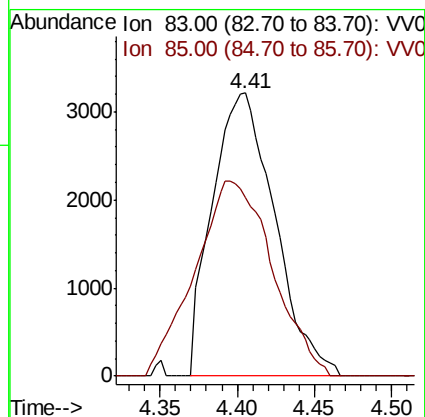
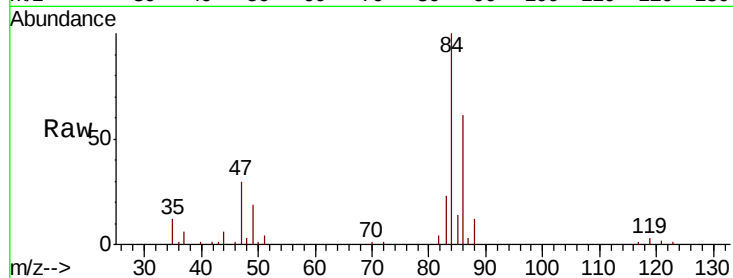




#25
Chloroform
Concen: 3.223 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

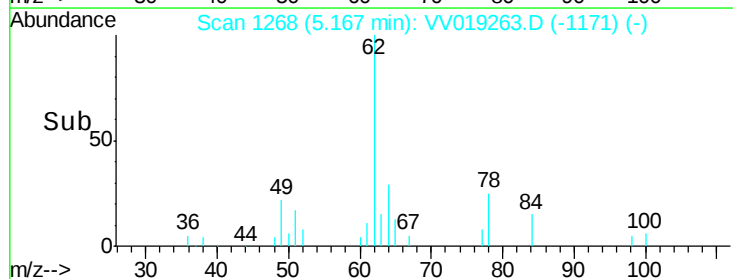
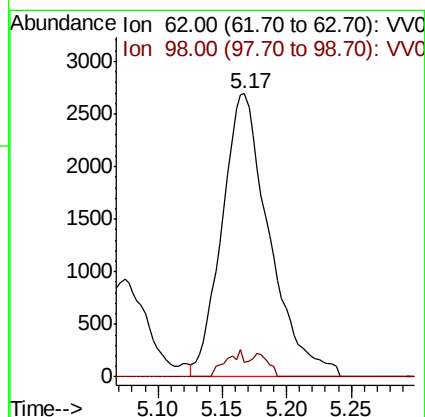
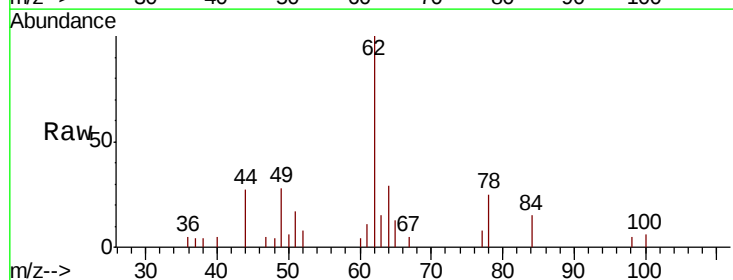
Instrument :
MSVOA_V
ClientSampleId :

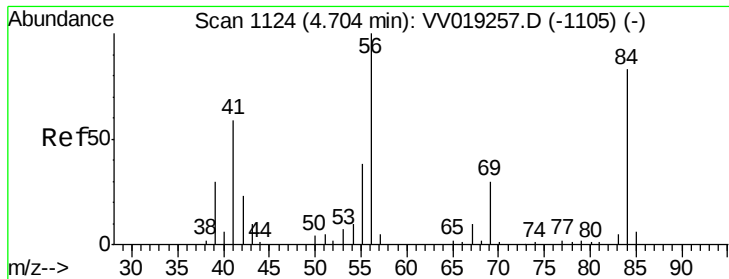
Tot Ion: 83 Resp: 9042
Ion Ratio Lower Upper
83 100
85 62.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.882 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 62 Resp: 6874
Ion Ratio Lower Upper
62 100
98 5.0 6.8 10.2#

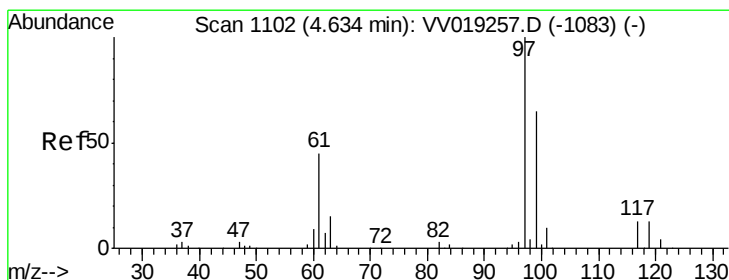
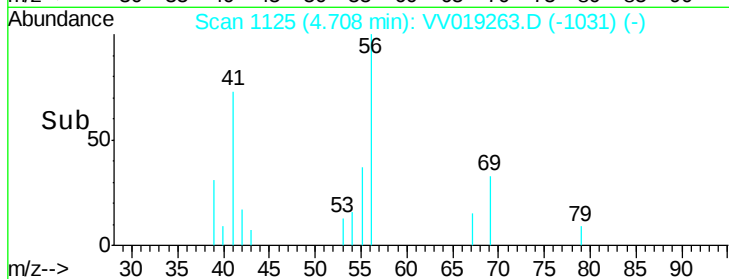
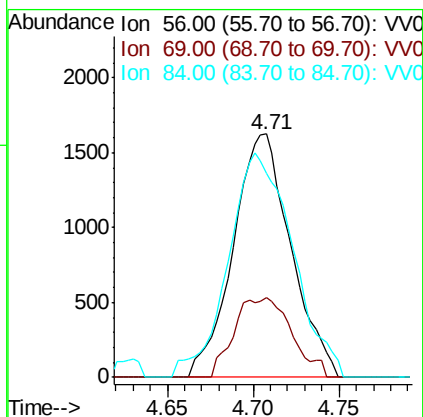
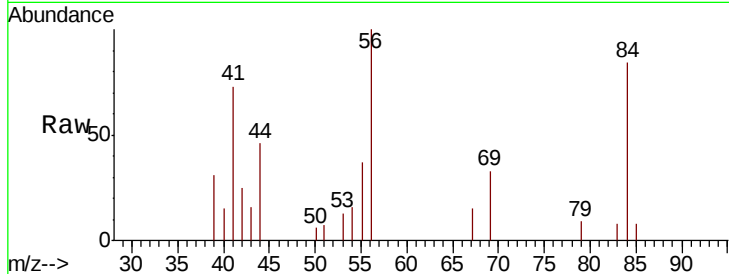




#29
Cyclohexane
Concen: 2.033 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

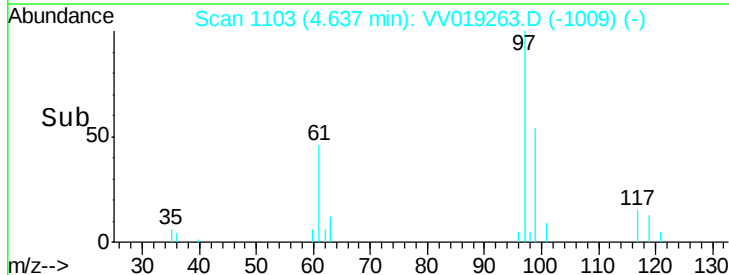
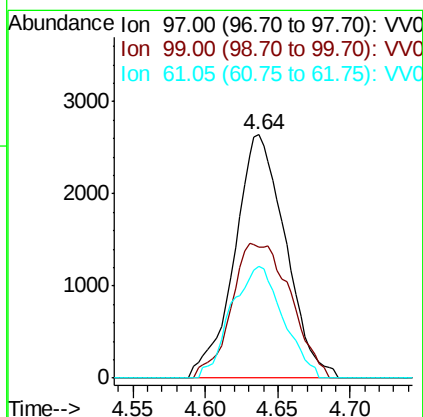
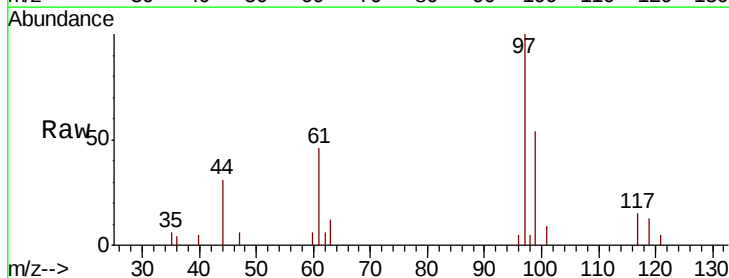
Instrument :
MSVOA_V
ClientSampleId :

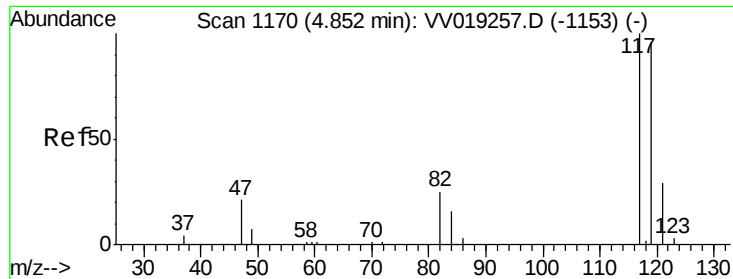
Tot Ion: 56 Resp: 3794
Ion Ratio Lower Upper
56 100
69 13.6 24.6 36.8#
84 101.8 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 2.551 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 97 Resp: 6451
Ion Ratio Lower Upper
97 100
99 35.4 52.0 78.0#
61 46.6 35.3 52.9





#31

Carbon tetrachloride

Concen: 0.343 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

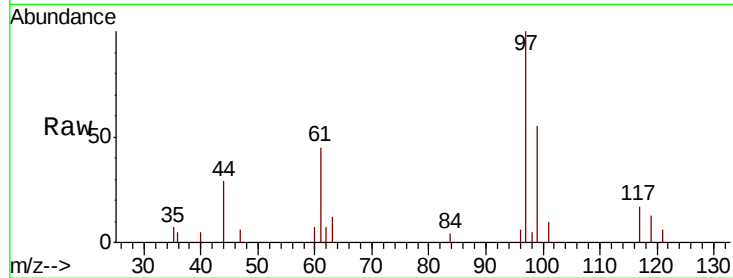
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 749

Ion Ratio Lower Upper

117 100

119 85.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.63

400

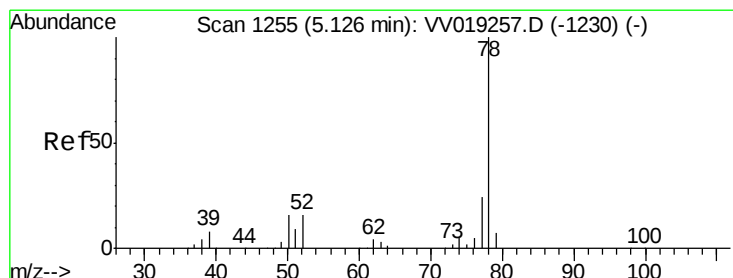
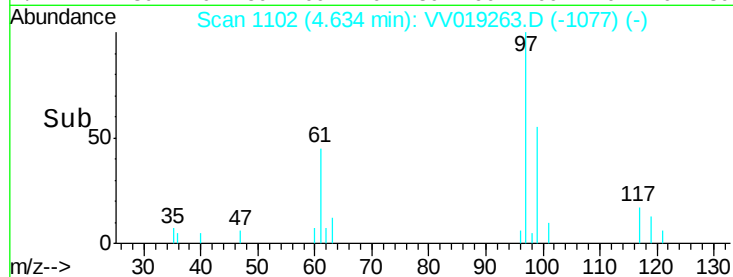
300

200

100

0

Time-->



#33

Benzene

Concen: 2.437 ug/L

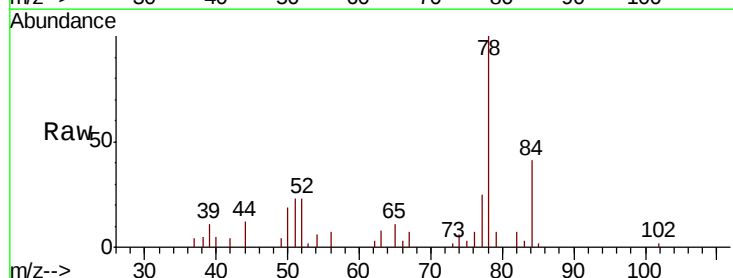
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Tgt Ion: 78 Resp: 13204



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

6000

5000

4000

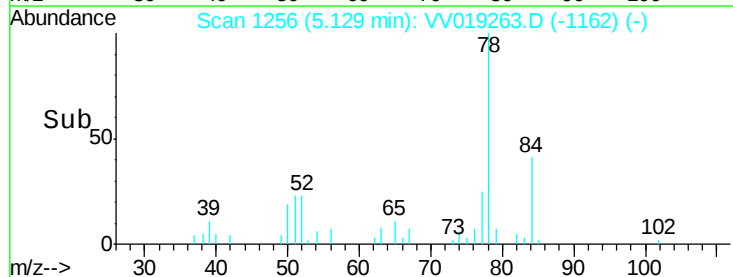
3000

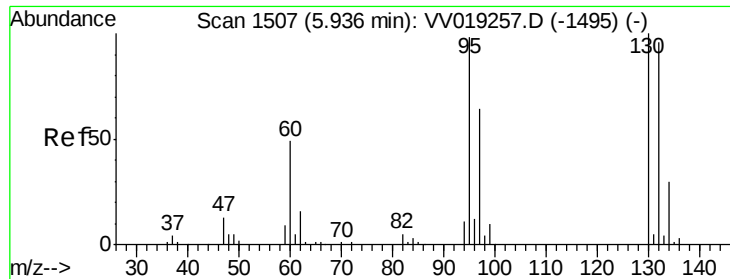
2000

1000

0

Time-->

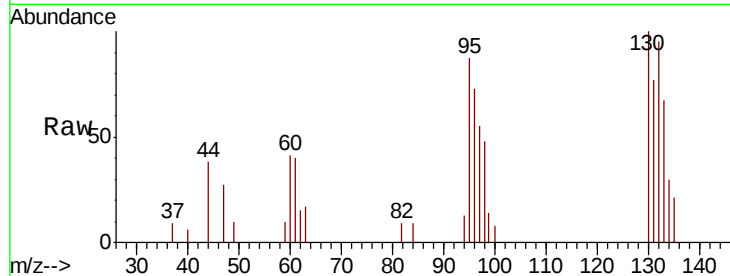




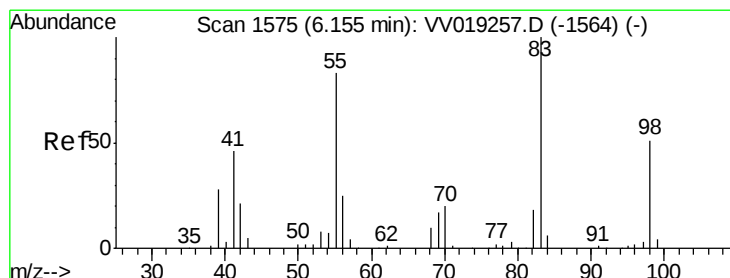
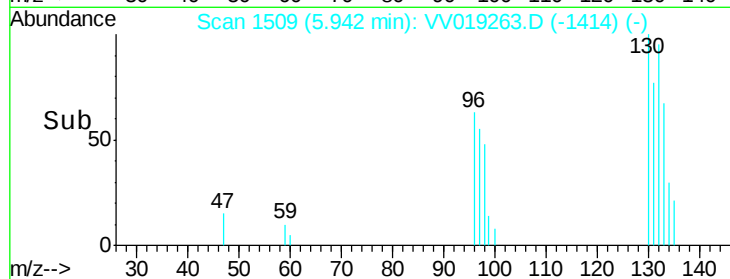
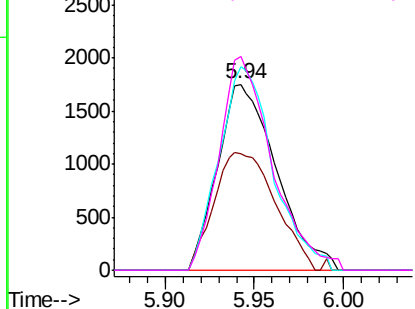
#34
 Trichloroethene
 Concen: 2.730 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 4020
 Ion Ratio Lower Upper
 95 100
 97 62.6 45.4 84.4
 132 109.1 68.5 127.3
 130 114.8 72.0 133.6

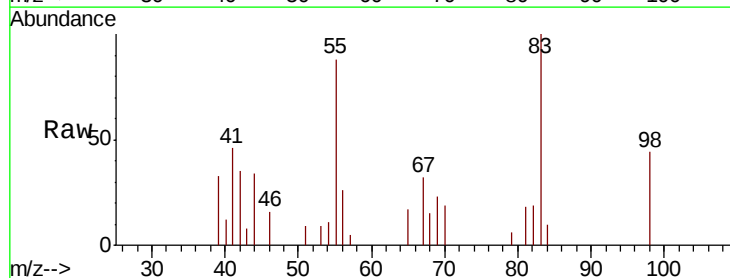


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

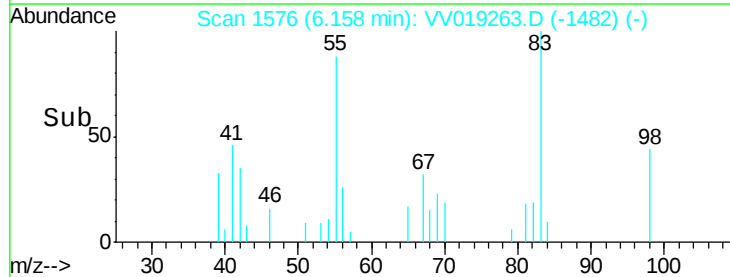
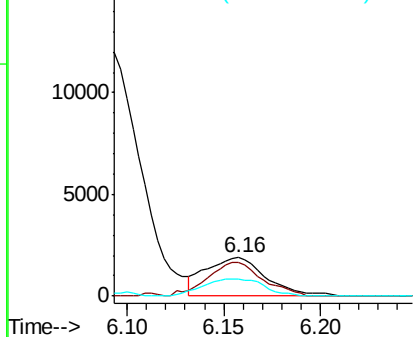


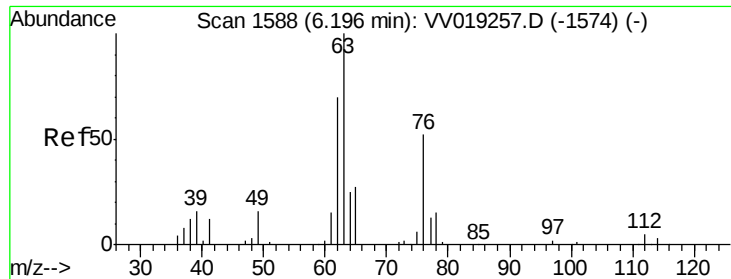
#35
 Methylcyclohexane
 Concen: 2.308 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion: 83 Resp: 4114
 Ion Ratio Lower Upper
 83 100
 55 77.2 62.8 94.2
 98 46.1 38.6 58.0



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

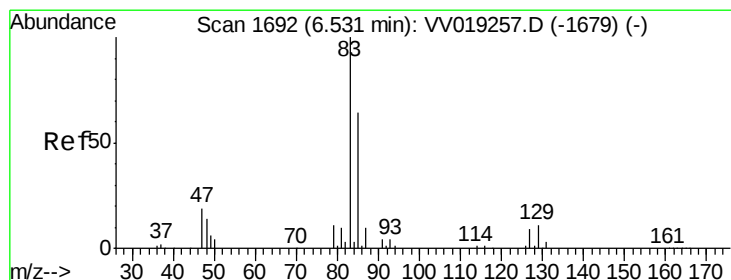
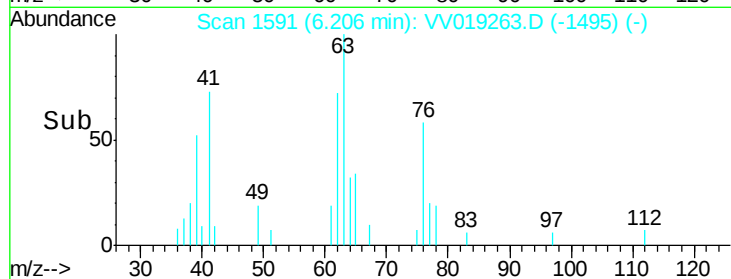
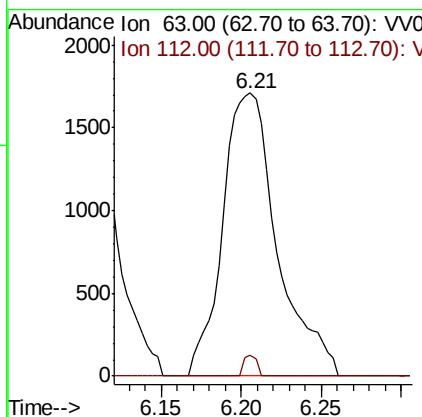
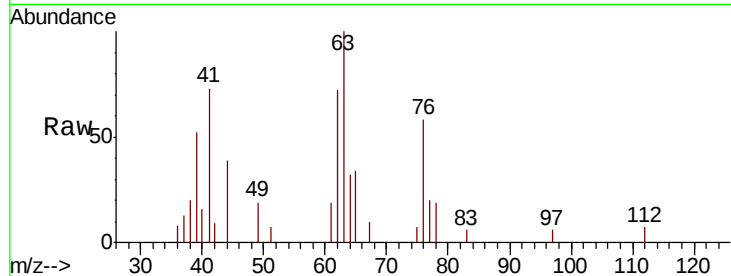




#37
 1,2-Dichloropropane
 Concen: 2.771 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

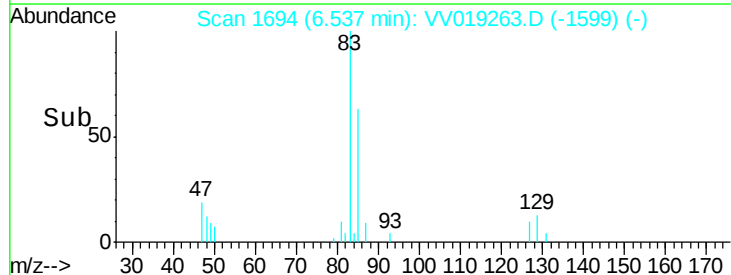
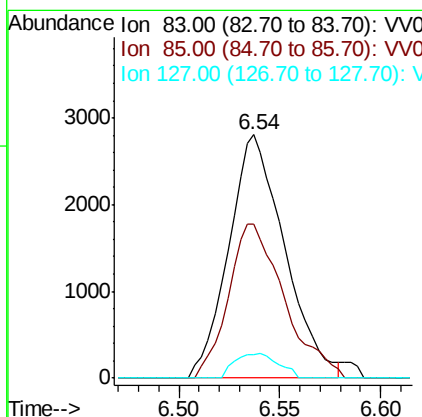
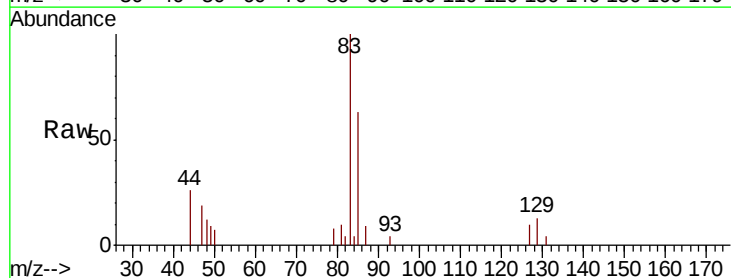
Instrument :
 MSVOA_V
 ClientSampleId :

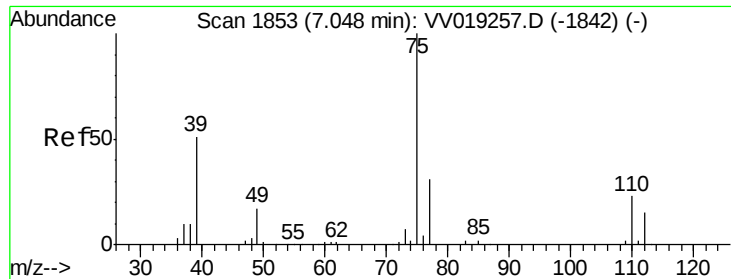
Tot Ion: 63 Resp: 4007
 Ion Ratio Lower Upper
 63 100
 112 1.6 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 2.605 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion: 83 Resp: 5422
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.0 81.8
 127 9.8 7.3 10.9

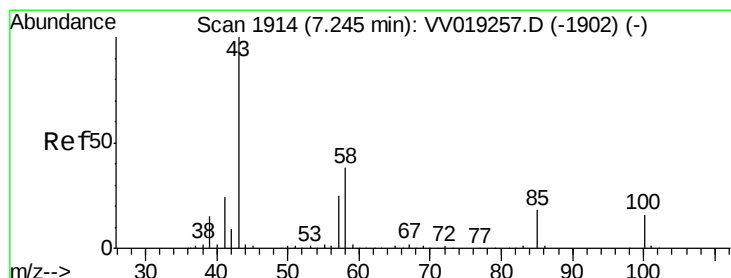
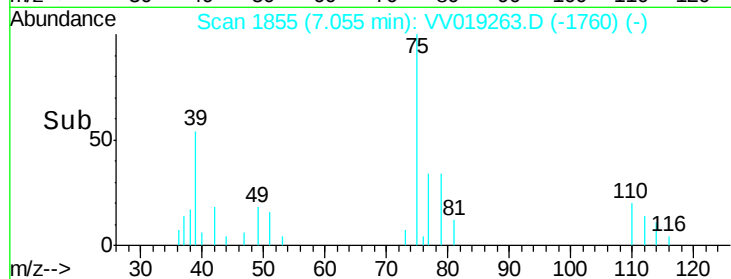
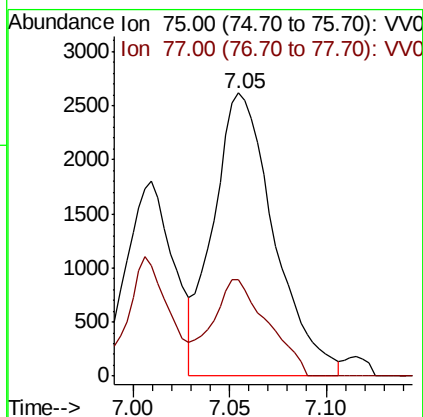
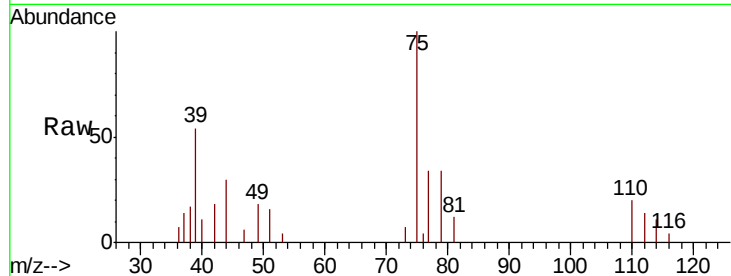




#39
 cis-1,3-Dichloropropene
 Concen: 2.468 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

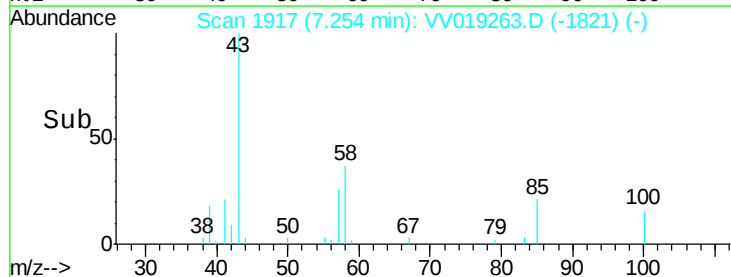
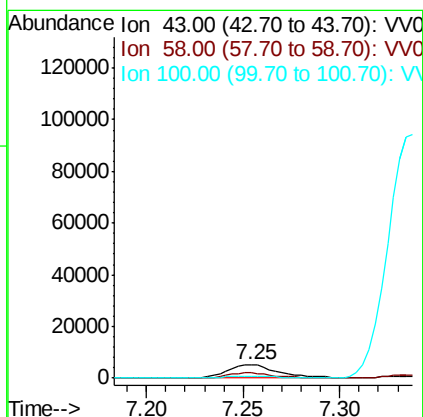
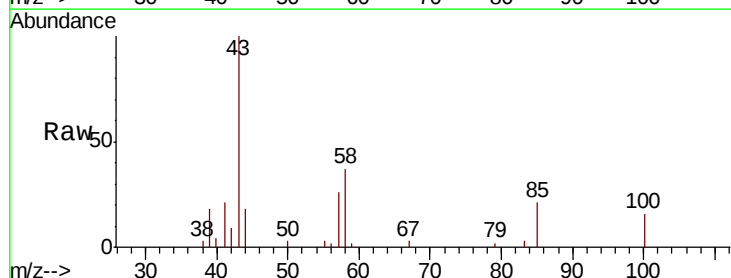
Instrument :
 MSVOA_V
 ClientSampleId :

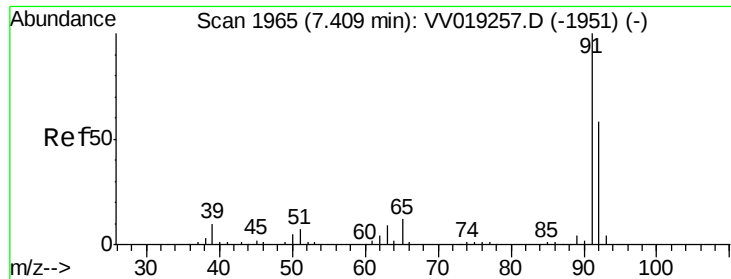
Tot Ion: 75 Resp: 5710
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 4.860 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion: 43 Resp: 9442
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.5 45.7
 100 14.8 12.7 19.1





#42

Toluene

Concen: 2.744 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

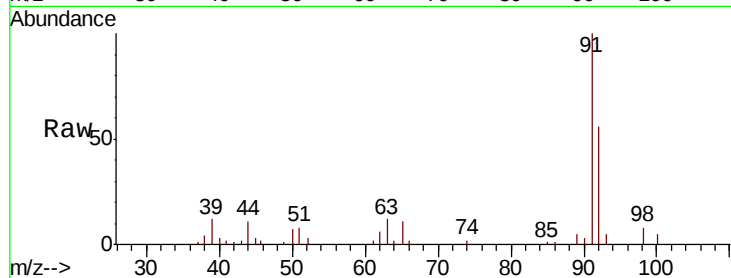
ClientSampled :

Tot Ion: 91 Resp: 16072

Ion Ratio Lower Upper

91 100

92 55.8 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

8000

6000

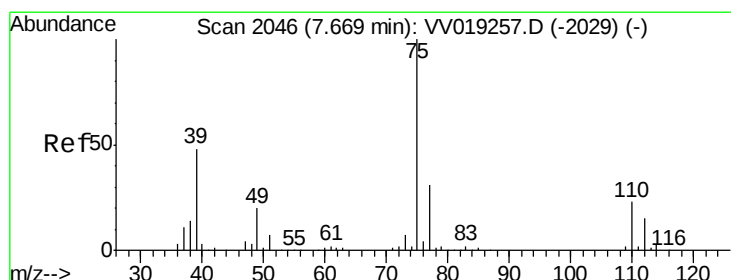
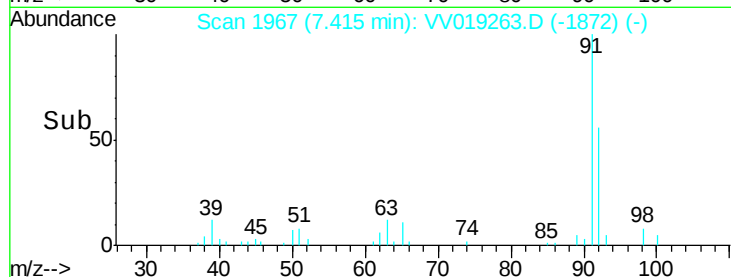
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 2.296 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019263.D

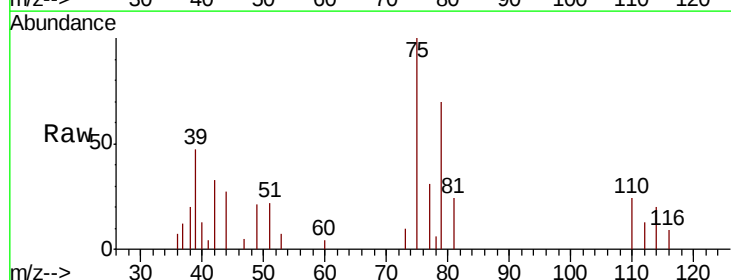
Acq: 04 Nov 2020 23:57

Tgt Ion: 75 Resp: 5444

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

3000

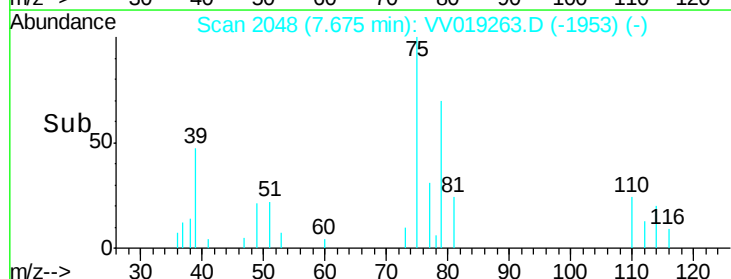
2000

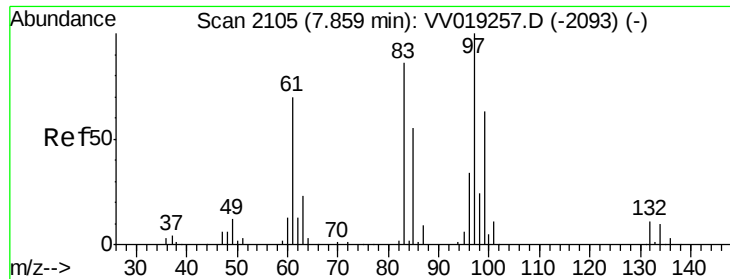
1000

0

Time-->

7.65 7.70 7.75

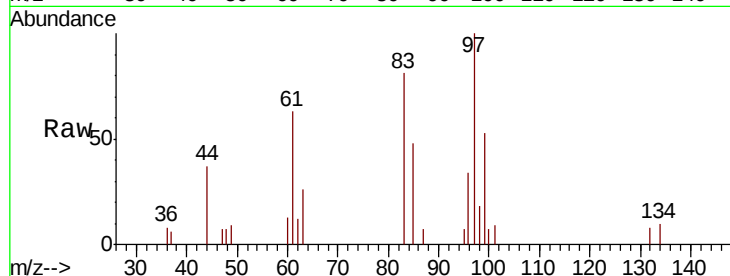




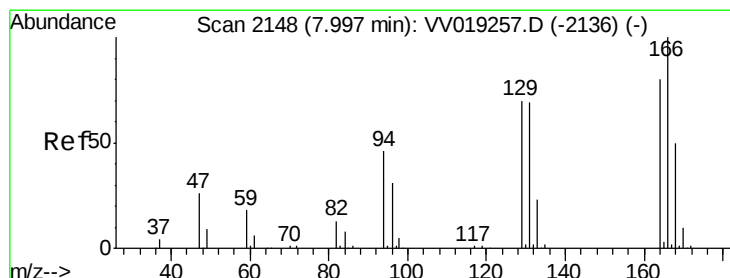
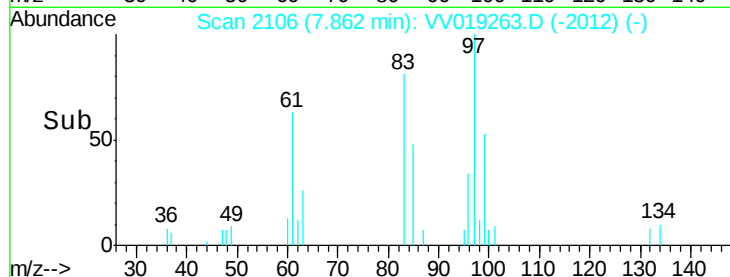
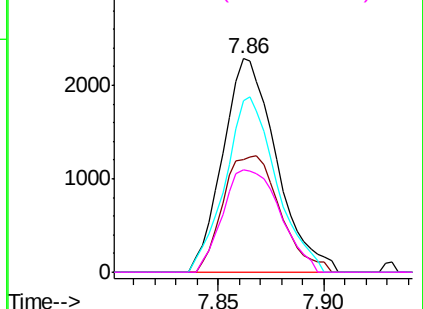
#45
1,1,2-Trichloroethane
Concen: 2.824 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	4037
Ion	Ratio	Lower	Upper
97	100		
99	52.9	45.1	83.9
83	80.5	57.6	107.0
85	48.2	37.8	70.2



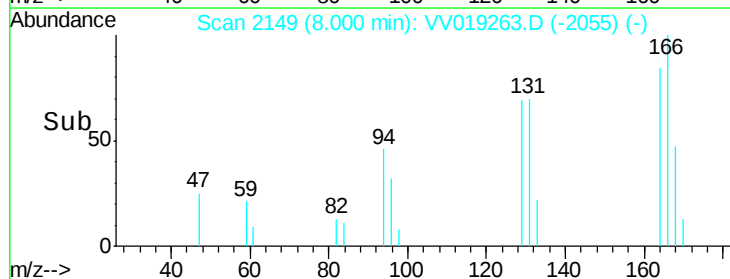
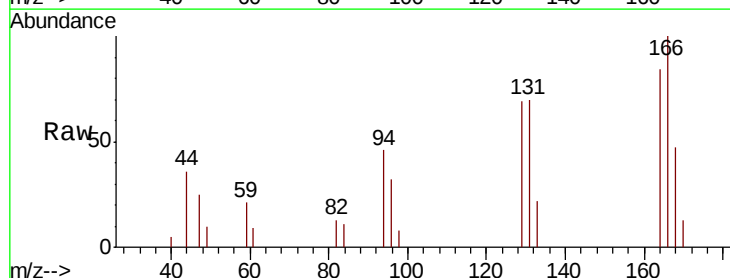
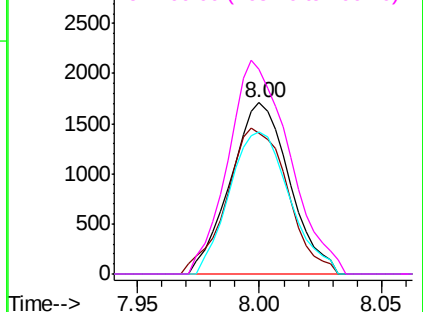
Abundance Ion 97.00 (96.70 to 97.70): VV019263.D (-2012) (-)

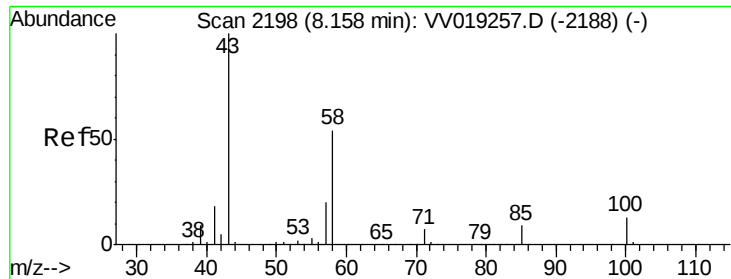


#46
Tetrachloroethene
Concen: 2.388 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion:	164	Resp:	2869
Ion	Ratio	Lower	Upper
164	100		
129	82.5	62.6	116.3
131	83.3	59.0	109.6
166	119.4	88.0	163.4

Abundance Ion 164.00 (163.70 to 164.70): VV019263.D (-2055) (-)

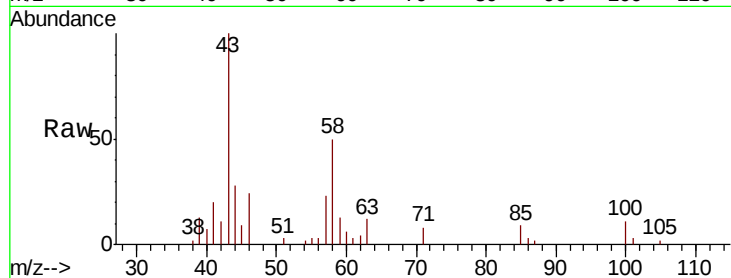




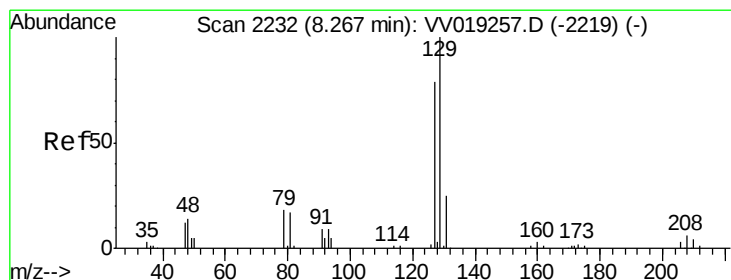
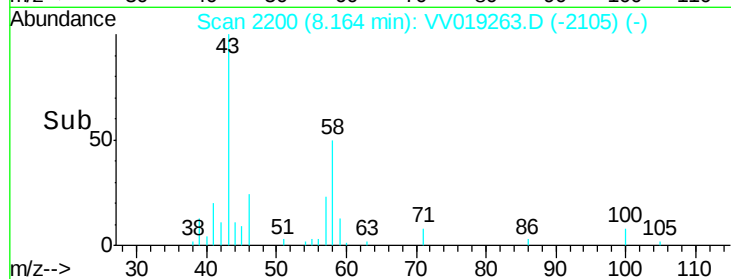
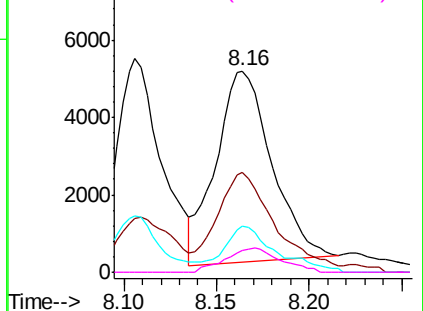
#48
2-Hexanone
Concen: 6.993 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 10271
Ion Ratio Lower Upper
43 100
58 51.3 42.6 63.8
57 12.2 15.8 23.8#
100 12.5 10.4 15.6

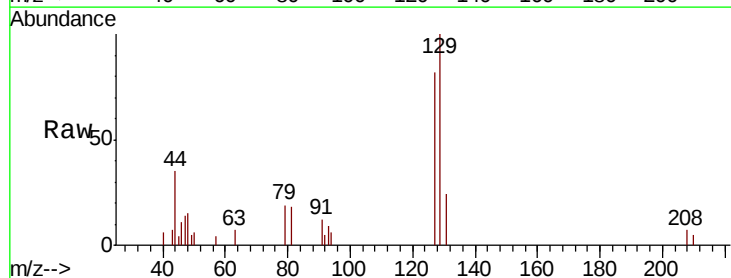


Abundance Ion 43.00 (42.70 to 43.70): VV019263.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019263.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019263.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019263.D (-2105) (-)

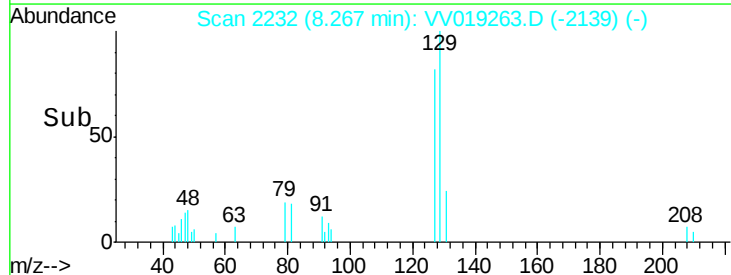
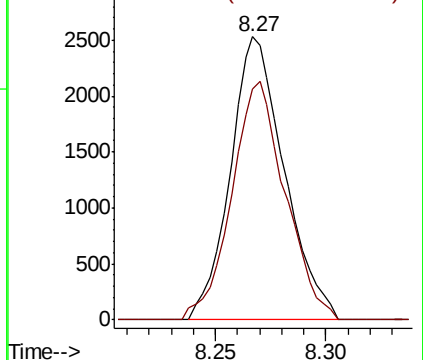


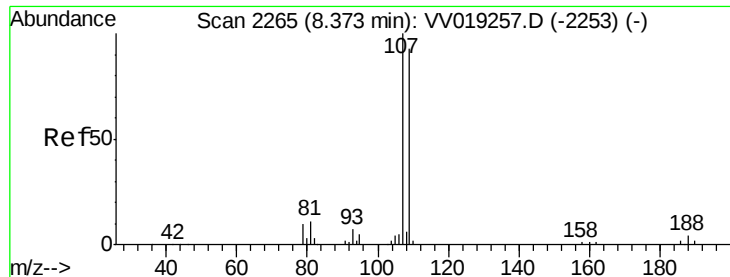
#49
Dibromochloromethane
Concen: 2.521 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion: 129 Resp: 4297
Ion Ratio Lower Upper
129 100
127 81.6 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019263.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019263.D (-2139) (-)

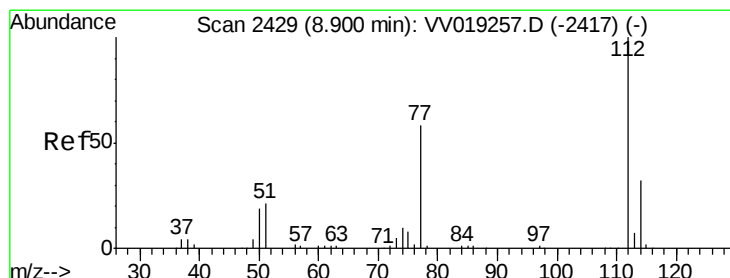
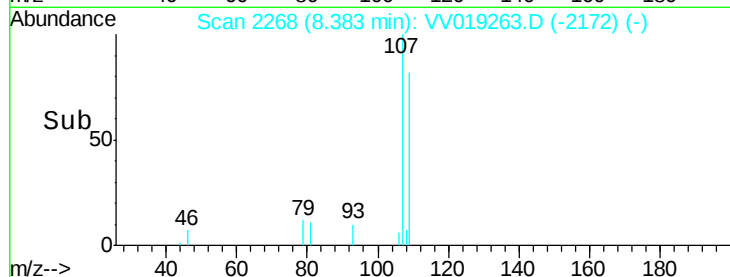
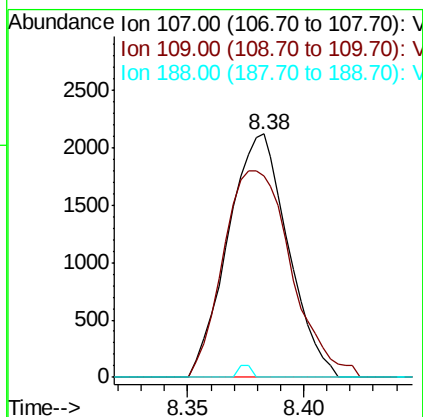
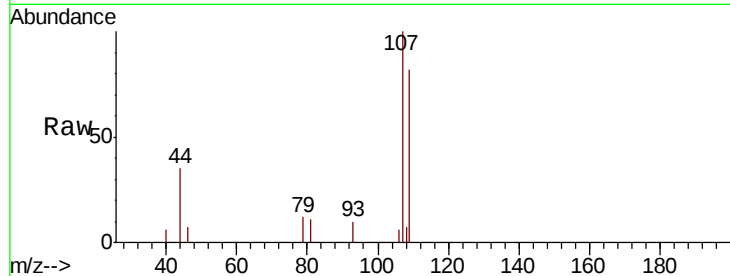




#50
1,2-Dibromoethane
Concen: 2.574 ug/L
RT: 8.38 min Scan# 2268
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

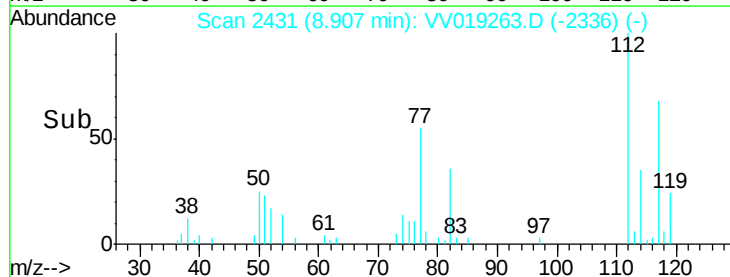
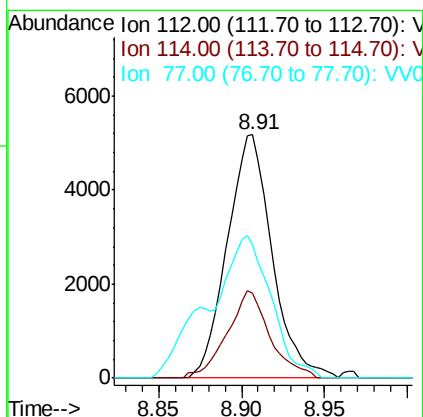
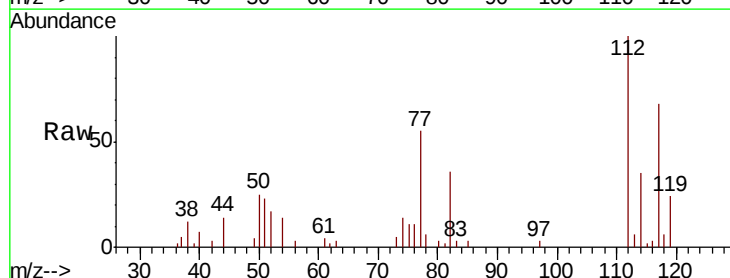
Instrument :
MSVOA_V
ClientSampled :

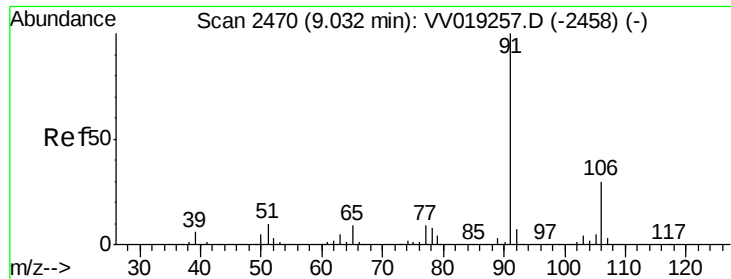
Tot Ion:107 Resp: 3814
Ion Ratio Lower Upper
107 100
109 82.5 64.8 120.4
188 0.0 3.8 5.8#



#51
Chlorobenzene
Concen: 2.486 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion:112 Resp: 9741
Ion Ratio Lower Upper
112 100
114 35.1 22.7 42.1
77 54.8 47.3 70.9





#52

Ethylbenzene

Concen: 2.317 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

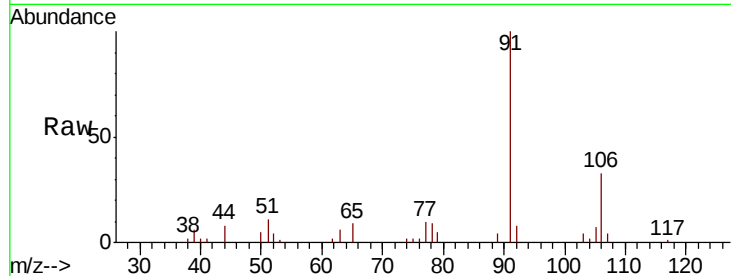
ClientSampled :

Tot Ion: 91 Resp: 14972

Ion Ratio Lower Upper

91 100

106 33.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019263.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019263.D (-2377) (-)

9.04

8000

6000

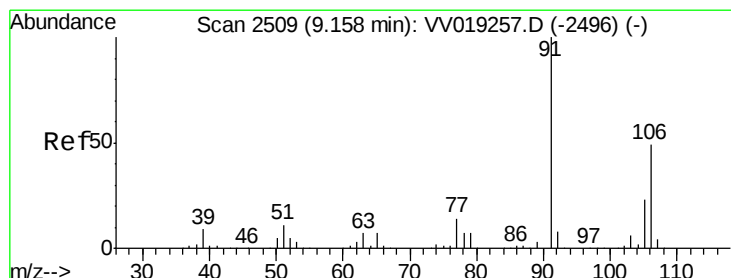
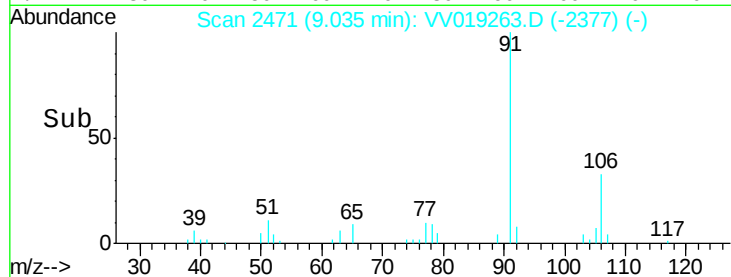
4000

2000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 2.111 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019263.D

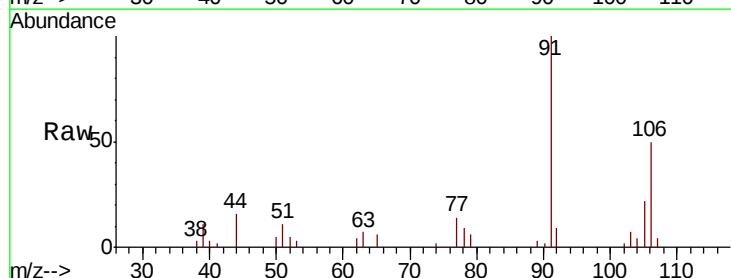
Acq: 04 Nov 2020 23:57

Tgt Ion: 106 Resp: 5108

Ion Ratio Lower Upper

106 100

91 200.2 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019263.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019263.D (-2416) (-)

9.16

6000

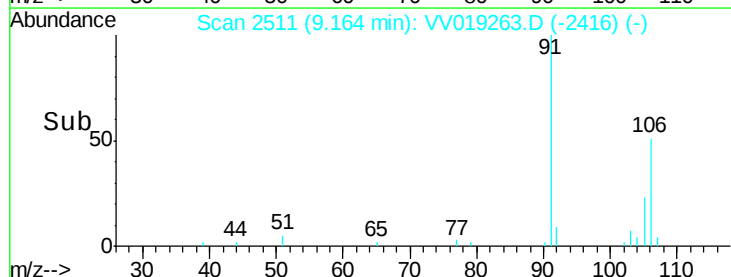
4000

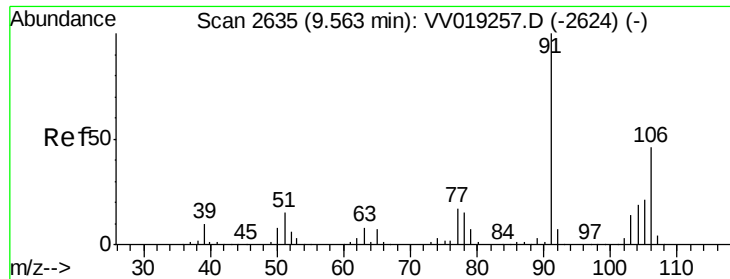
2000

0

9.10 9.15 9.20

Time-->

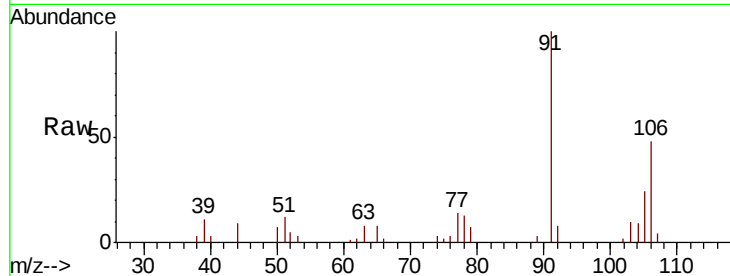




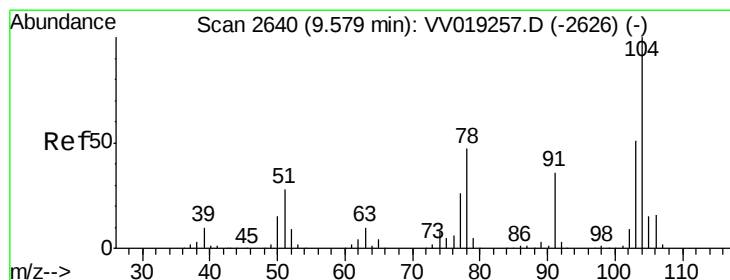
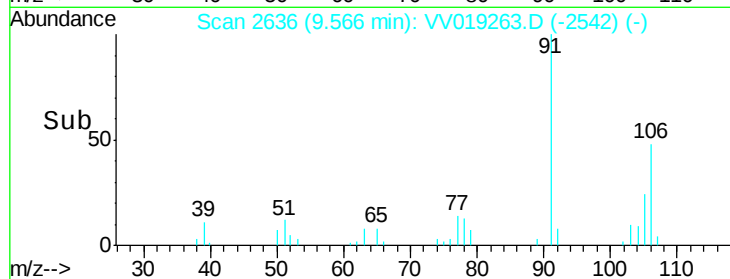
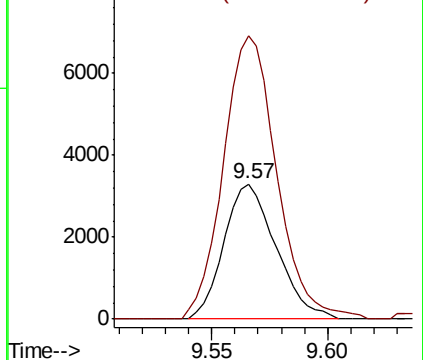
#54
o-Xylene
Concen: 2.160 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5150
Ion Ratio Lower Upper
106 100
91 209.7 151.6 281.6

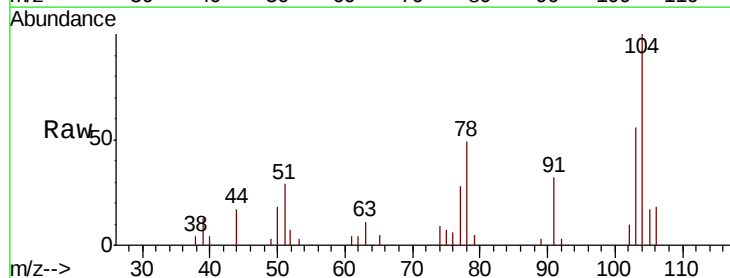


Abundance Ion 106.00 (105.70 to 106.70): VV019263.D (-2542) (-)
Ion 91.00 (90.70 to 91.70): VV019263.D (-2542) (-)

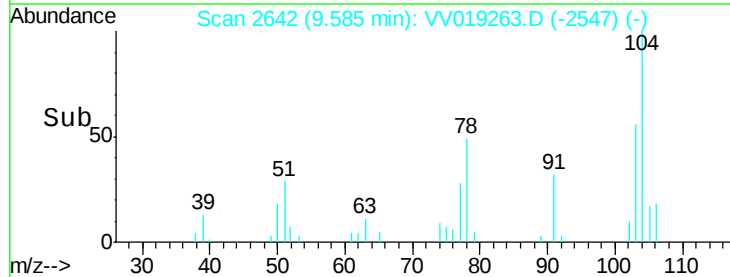
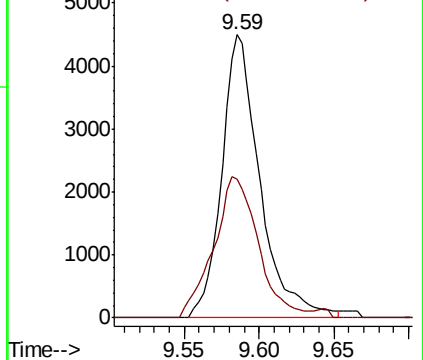


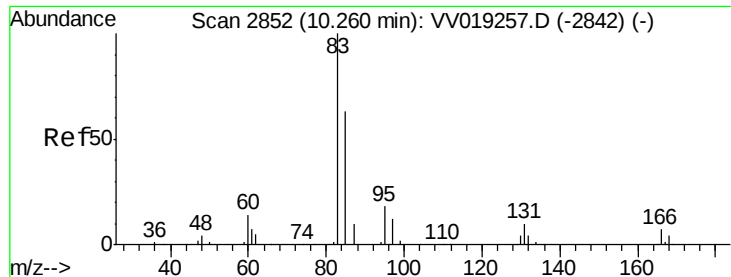
#55
Styrene
Concen: 1.881 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion:104 Resp: 7983
Ion Ratio Lower Upper
104 100
78 48.9 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019263.D (-2547) (-)
Ion 78.00 (77.70 to 78.70): VV019263.D (-2547) (-)

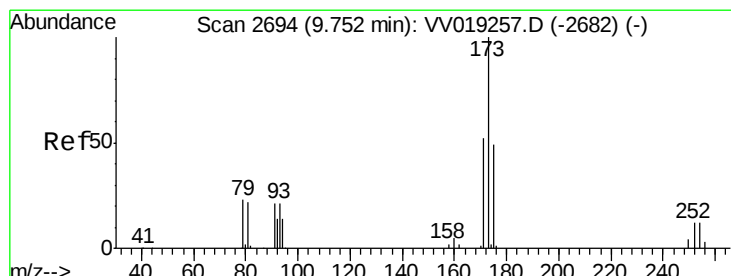
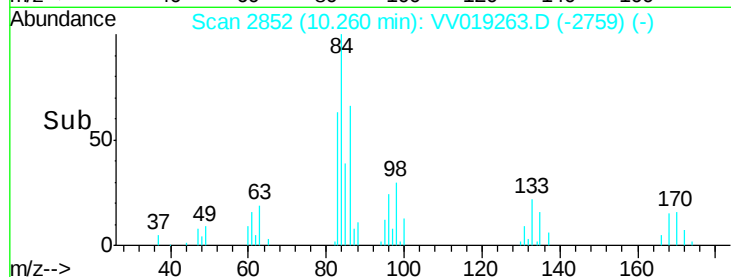
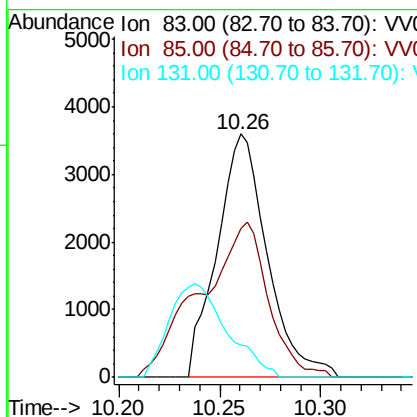
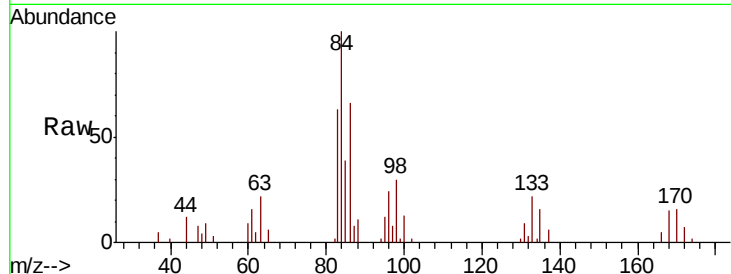




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.886 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

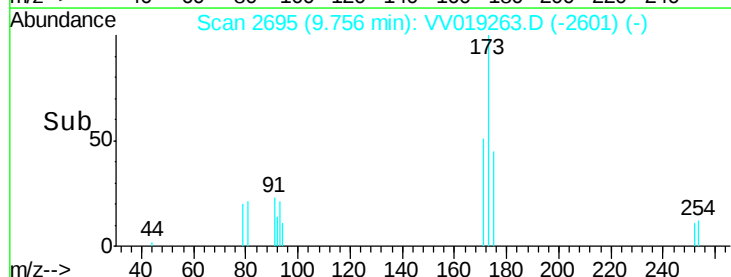
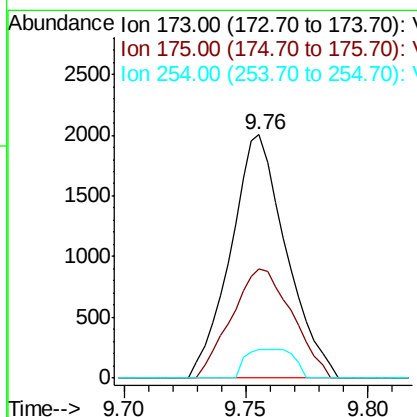
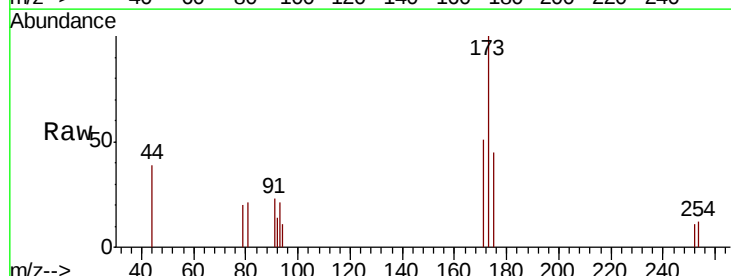
Instrument :
 MSVOA_V
 ClientSampleId :

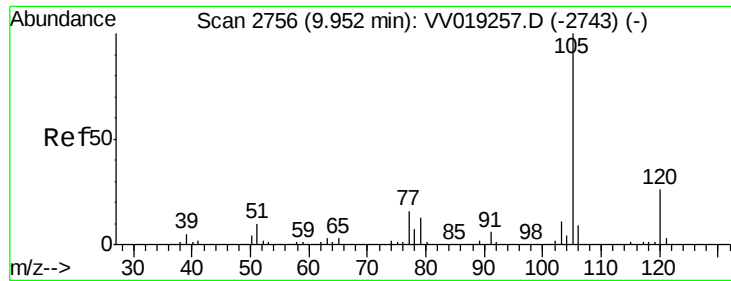
Tot Ion: 83 Resp: 6242
 Ion Ratio Lower Upper
 83 100
 85 60.9 45.0 83.6
 131 13.5 8.9 13.3#



#59
 Bromoform
 Concen: 2.659 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion: 173 Resp: 3159
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.4 57.6
 254 5.3 9.0 13.6#





#60

Isopropylbenzene

Concen: 2.286 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

ClientSampled :

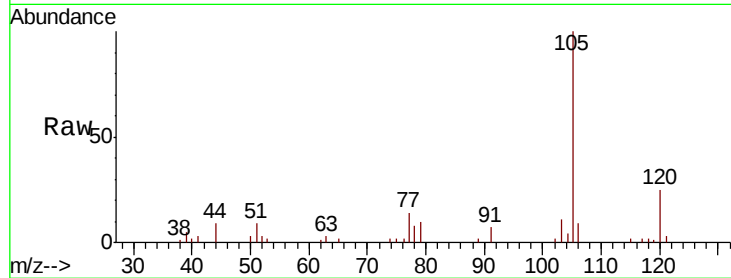
Tot Ion: 105 Resp: 12822

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.4

77 15.3 13.0 19.6

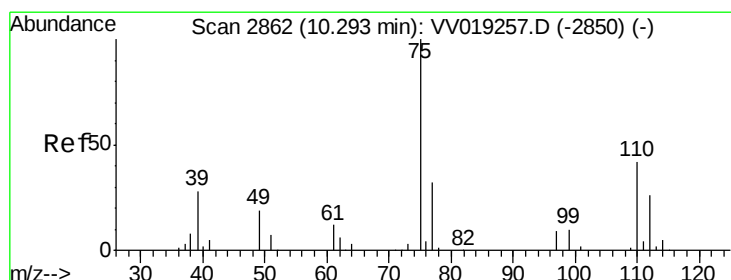
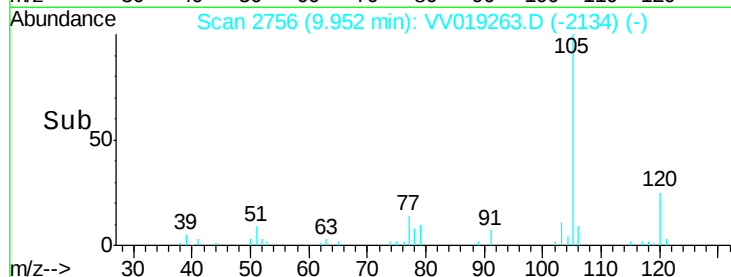


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#61

1,2,3-Trichloropropane

Concen: 3.013 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

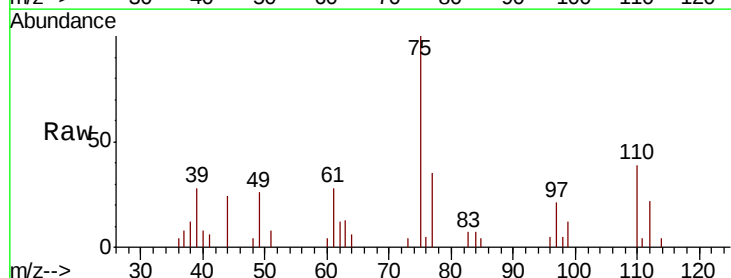
Tgt Ion: 75 Resp: 5011

Ion Ratio Lower Upper

75 100

77 32.9 24.8 37.2

110 42.9 33.4 50.2

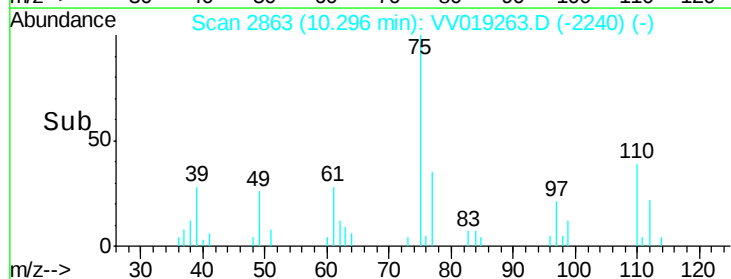


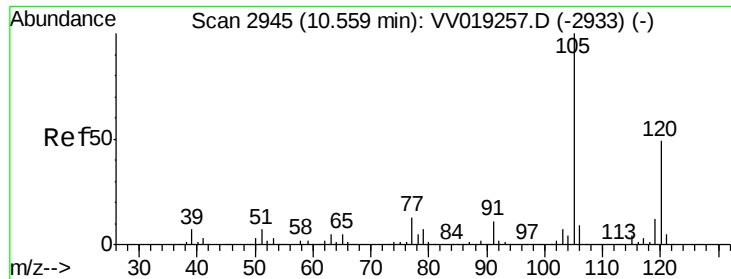
Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

Time-->

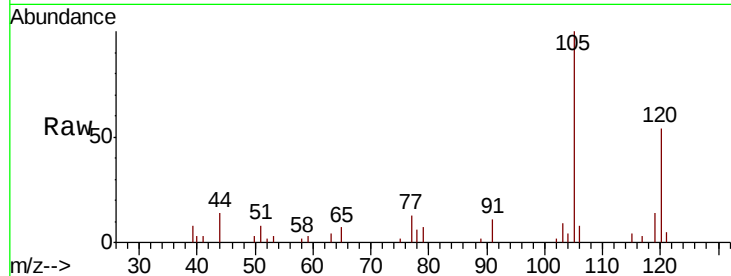




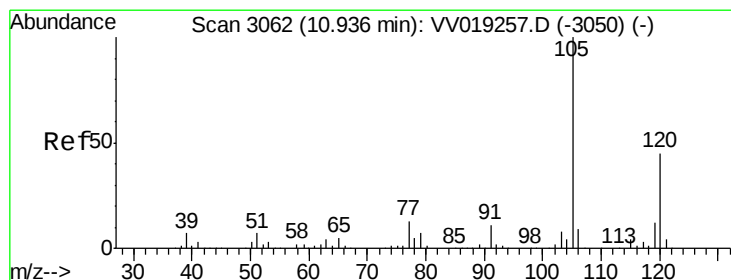
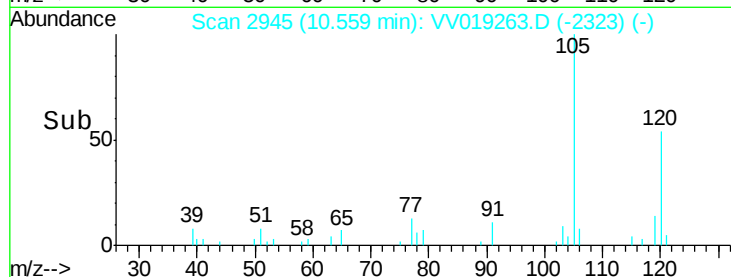
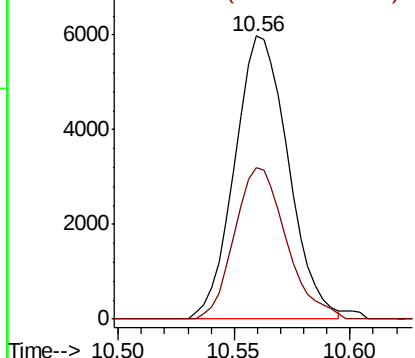
#62
 1,3,5-Trimethylbenzene
 Concen: 2.058 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:105 Resp: 9615
 Ion Ratio Lower Upper
 105 100
 120 51.5 38.3 57.5

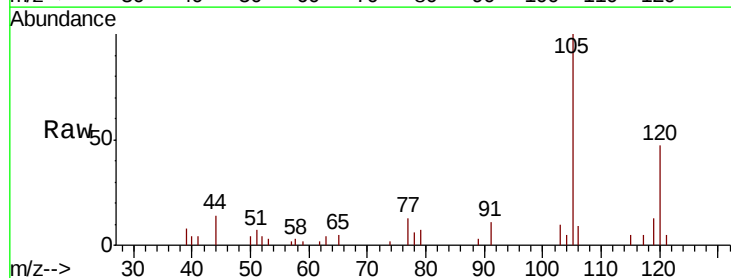


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

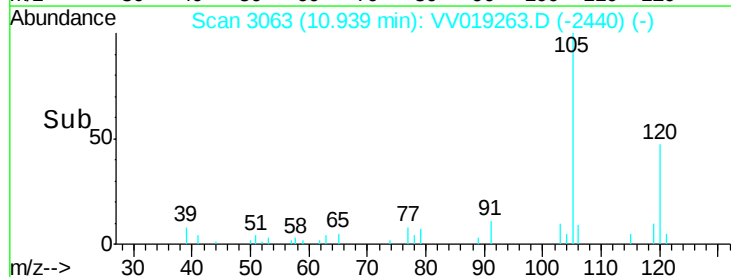
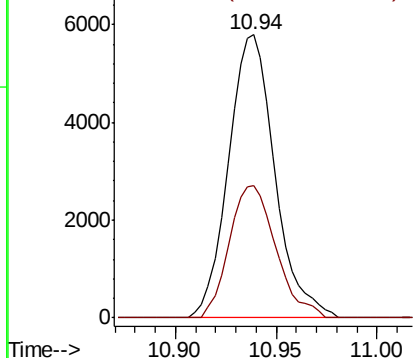


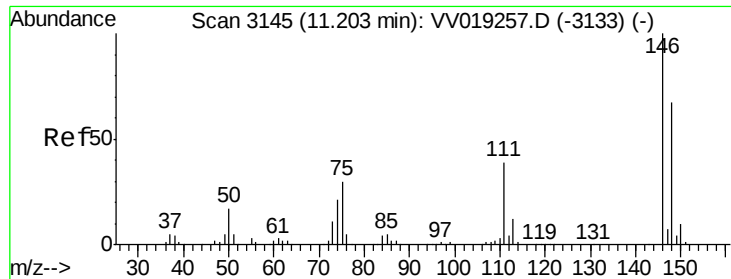
#63
 1,2,4-Trimethylbenzene
 Concen: 2.035 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion:105 Resp: 9303
 Ion Ratio Lower Upper
 105 100
 120 47.0 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

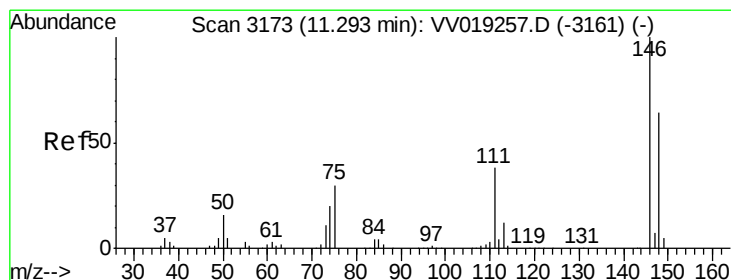
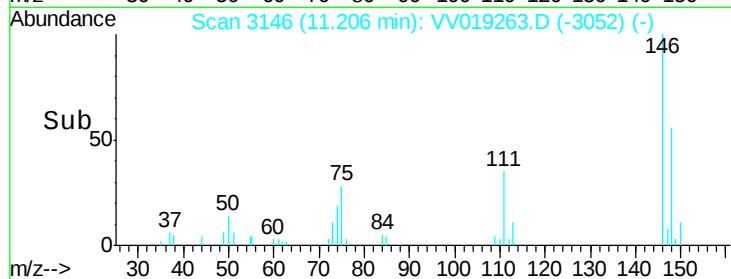
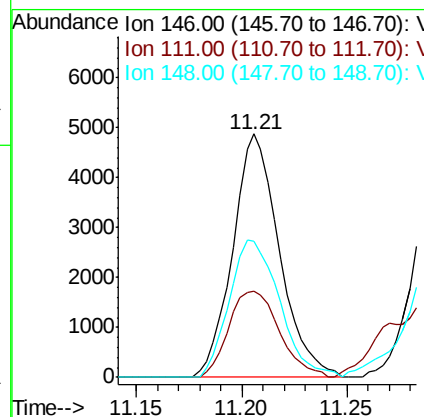
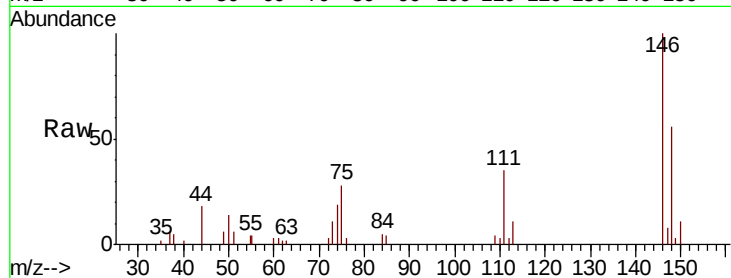




#64
 1,3-Dichlorobenzene
 Concen: 2.553 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

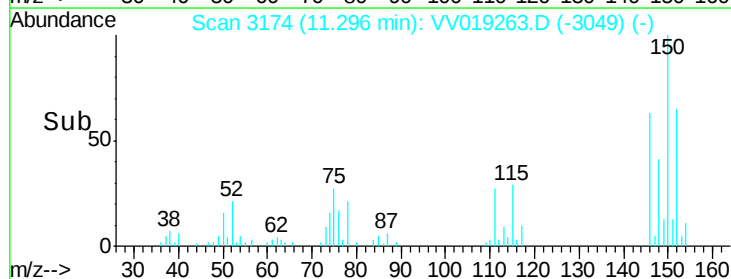
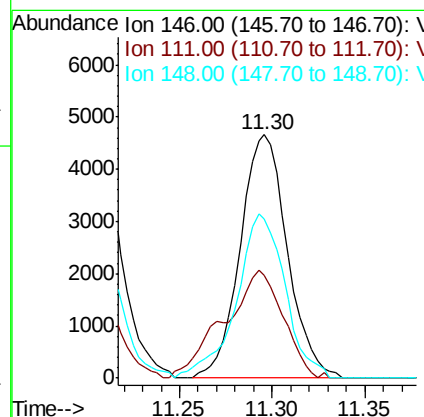
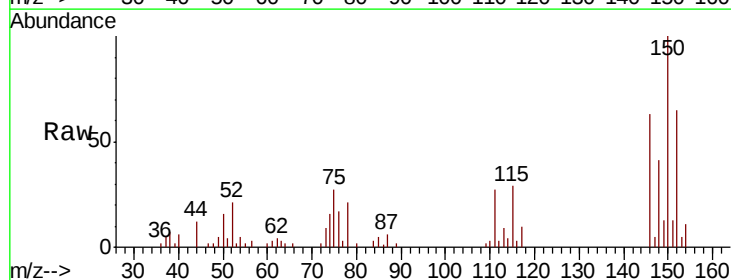
Instrument :
 MSVOA_V
 ClientSampleId :

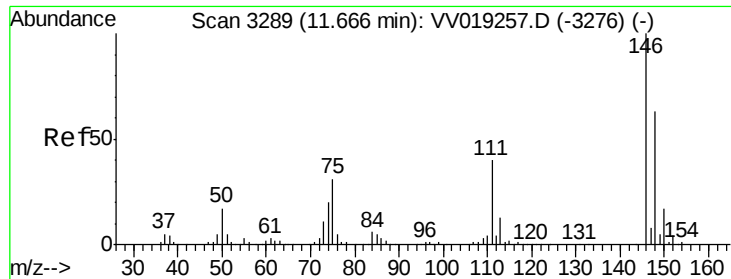
Tot Ion:146 Resp: 7493
 Ion Ratio Lower Upper
 146 100
 111 35.2 27.3 50.7
 148 55.9 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 2.716 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion:146 Resp: 8246
 Ion Ratio Lower Upper
 146 100
 111 42.5 25.9 48.1
 148 65.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 2.820 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

Instrument :

MSVOA_V

ClientSampleId :

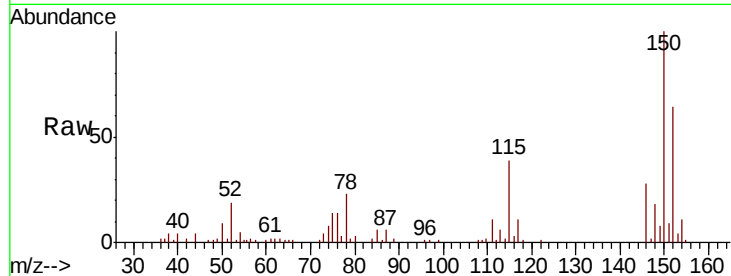
Tot Ion:146 Resp: 8466

Ion Ratio Lower Upper

146 100

111 39.4 32.6 48.8

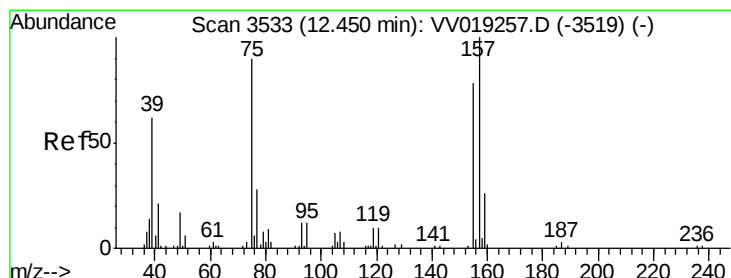
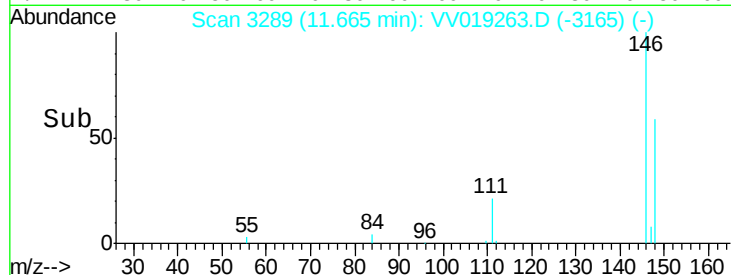
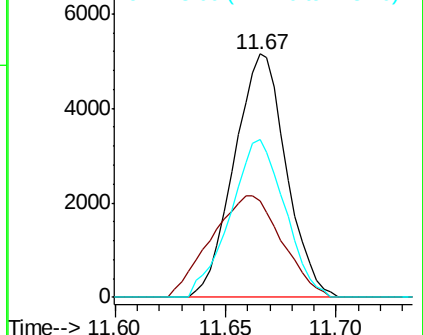
148 64.7 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 2.513 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV019263.D

Acq: 04 Nov 2020 23:57

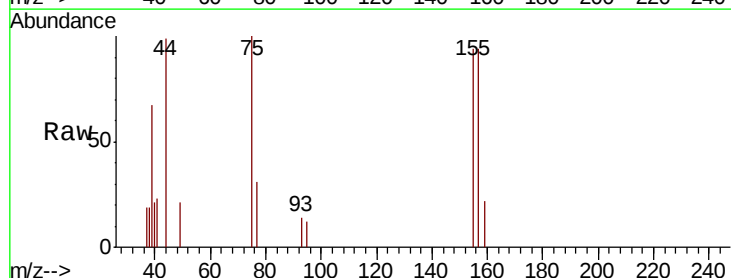
Tgt Ion: 75 Resp: 1219

Ion Ratio Lower Upper

75 100

155 94.0 65.8 98.6

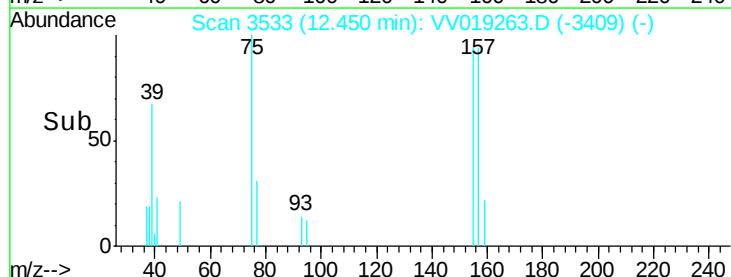
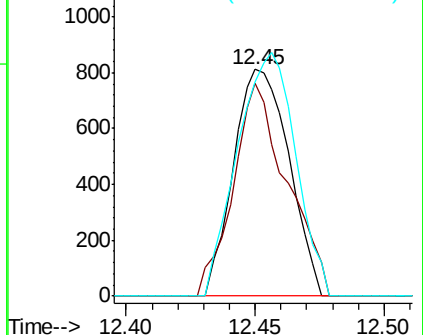
157 94.3 86.3 129.5

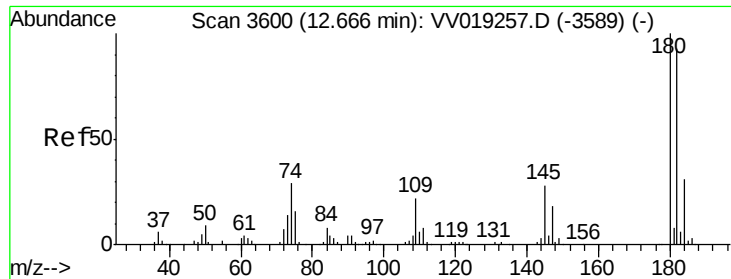


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

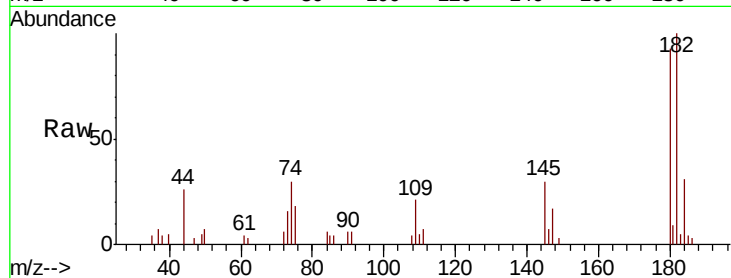




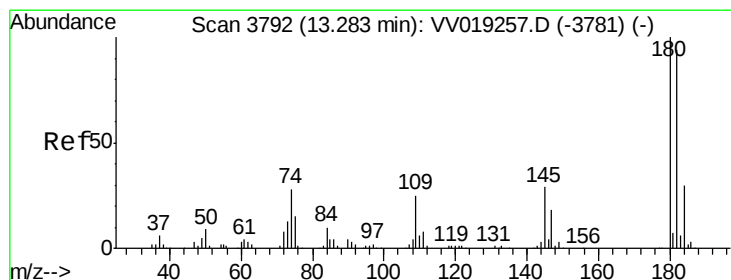
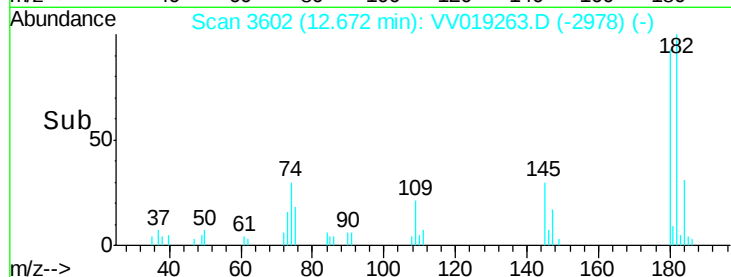
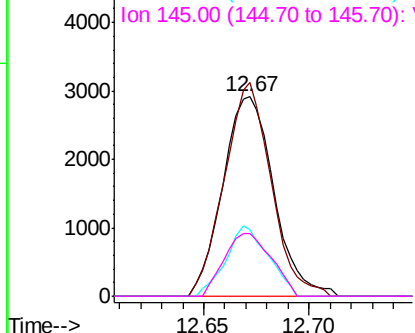
#69
 1,3,5-Trichlorobenzene
 Concen: 2.322 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 4890
 Ion Ratio Lower Upper
 180 100
 182 98.0 77.7 116.5
 184 29.3 24.9 37.3
 145 29.0 23.4 35.0

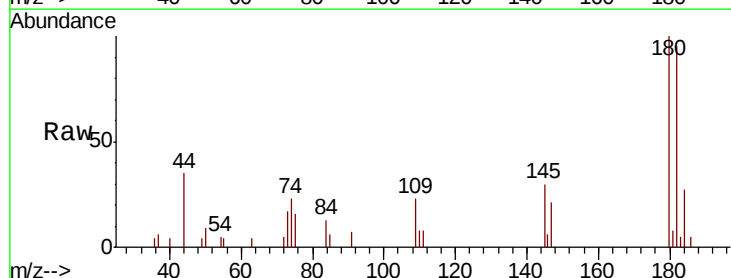


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

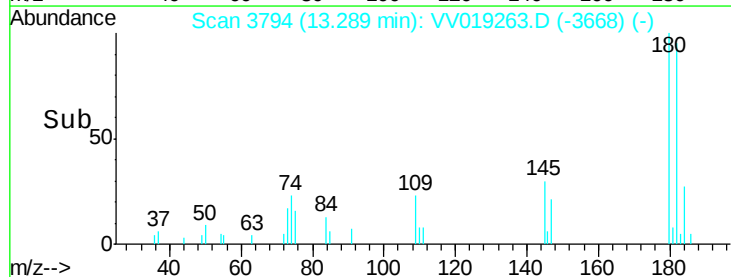
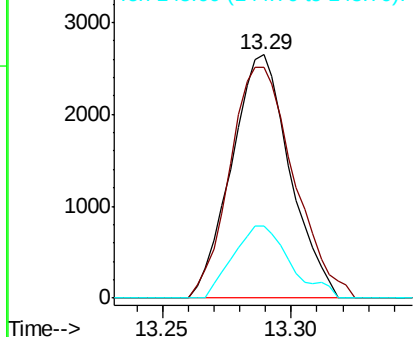


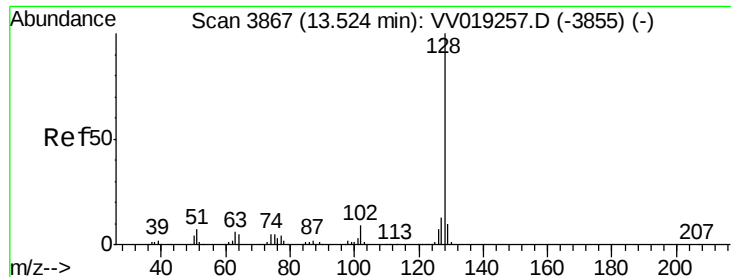
#70
 1,2,4-trichlorobenzene
 Concen: 2.105 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019263.D
 Acq: 04 Nov 2020 23:57

Tgt Ion:180 Resp: 4172
 Ion Ratio Lower Upper
 180 100
 182 103.9 76.6 114.8
 145 27.6 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

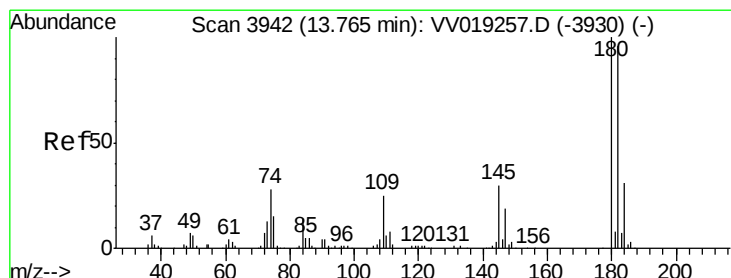
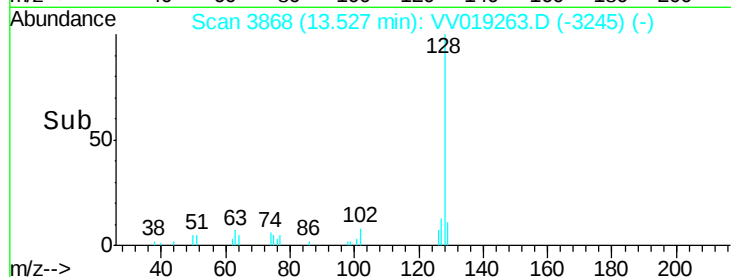
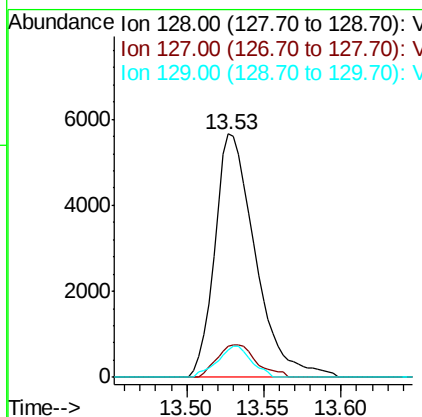
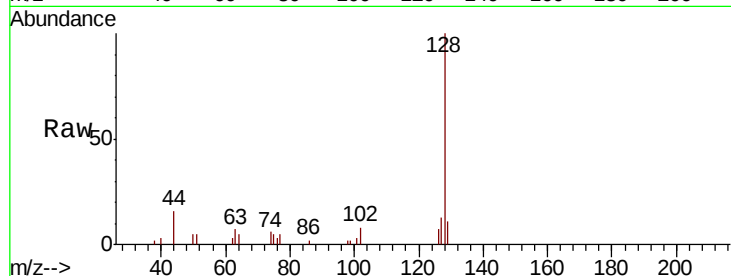




#71
Naphthalene
Concen: 1.844 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 10309
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.225 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019263.D
Acq: 04 Nov 2020 23:57

Tgt Ion:180 Resp: 4372
Ion Ratio Lower Upper
180 100
182 96.5 77.4 116.0
145 30.8 24.7 37.1

