

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019160.D
 Acq On : 29 Oct 2020 21:12
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Quant Time: Oct 30 05:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	222265	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	210106	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107855	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84169	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.58	69	67201	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.12	63	125324	37.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.60%
21) 2-Butanone-d5	3.91	46	111544	103.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.11%
24) Chloroform-d	4.38	84	163317	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
26) 1,2-Dichloroethane-d4	5.06	65	117822	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.07	84	311833	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
36) 1,2-Dichloropropane-d6	6.09	67	95410	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.38%
41) Toluene-d8	7.34	98	284961	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%
43) trans-1,3-Dichloropropene-	7.64	79	52661	51.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.42%
47) 2-Hexanone-d5	8.11	63	81991	106.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	123019	51.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	120431	53.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3525	1.806 ug/L	99
3) Chloromethane	1.25	50	3806	2.148 ug/L	91
5) Vinyl chloride	1.32	62	4341	2.392 ug/L #	65
6) Bromomethane	1.53	94	2765	2.275 ug/L	95
8) Chloroethane	1.60	64	2676	2.372 ug/L	92
9) Trichlorofluoromethane	1.77	101	5773	1.909 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3516	2.416 ug/L	89
12) 1,1-Dichloroethene	2.13	96	3989	2.799 ug/L #	1
13) Acetone	2.19	43	3390	3.373 ug/L	89
14) Carbon disulfide	2.31	76	9457	2.087 ug/L	98
15) Methyl Acetate	2.45	43	3661	2.260 ug/L #	90
16) Methylene chloride	2.53	84	4049	2.502 ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	3101	2.026 ug/L	88
18) Methyl tert-butyl Ether	2.78	73	10543	2.057 ug/L	98
19) 1,1-Dichloroethane	3.21	63	6096	2.137 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	3443	2.049 ug/L	77
23) Bromochloromethane	4.29	128	1665	1.847 ug/L #	92

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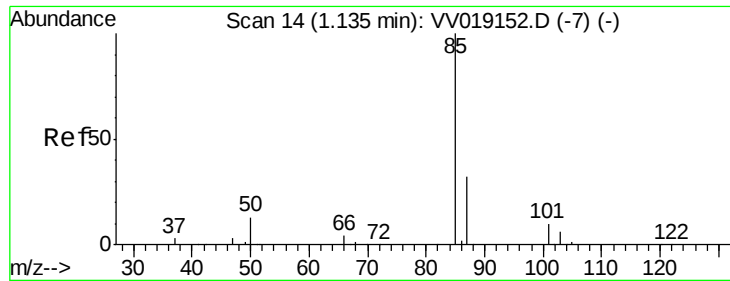
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	8026	2.604	ug/L	96
27) 1,2-Dichloroethane	5.17	62	5620	2.142	ug/L	96
29) Cyclohexane	4.70	56	3833	1.634	ug/L #	83
30) 1,1,1-Trichloroethane	4.64	97	5616	1.972	ug/L	96
31) Carbon tetrachloride	4.85	117	2383	0.944	ug/L #	7
33) Benzene	5.13	78	13148	2.170	ug/L	100
34) Trichloroethene	5.95	95	3528	2.126	ug/L	97
35) Methylcyclohexane	6.15	83	4118	1.838	ug/L #	86
37) 1,2-Dichloropropane	6.20	63	3597	2.391	ug/L #	85
38) Bromodichloromethane	6.54	83	4633	2.070	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	5299	2.132	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	8336	4.017	ug/L	96
42) Toluene	7.41	91	17519	2.638	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	4940	1.911	ug/L	89
45) 1,1,2-Trichloroethane	7.87	97	3033	2.010	ug/L	97
46) Tetrachloroethene	8.00	164	2746	1.938	ug/L	94
48) 2-Hexanone	8.17	43	8569	5.195	ug/L #	86
49) Dibromochloromethane	8.27	129	3704	2.028	ug/L	99
50) 1,2-Dibromoethane	8.38	107	3428	2.129	ug/L #	98
51) Chlorobenzene	8.90	112	8841	2.031	ug/L	94
52) Ethylbenzene	9.04	91	13746	1.878	ug/L	98
53) m,p-Xylene	9.16	106	5007	1.812	ug/L	98
54) o-xylene	9.57	106	4819	1.816	ug/L	97
55) Styrene	9.59	104	7792	1.657	ug/L	87
56) Isopropylbenzene	9.95	105	11584	1.624	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	5288	2.302	ug/L #	97
59) 1,2,3-Trichloropropane	10.30	75	4192	2.132	ug/L	99
61) Bromoform	9.76	173	2849	2.141	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	6677	1.963	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	7767	2.197	ug/L	90
65) 1,2-Dichlorobenzene	11.67	146	7637	2.266	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.45	75	1023	1.774	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	4913	1.962	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	4599	1.960	ug/L	93
69) Naphthalene	13.53	128	10270	1.563	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.77	180	3969	1.729	ug/L	88

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

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ALS Vial : 18 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 1.806 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

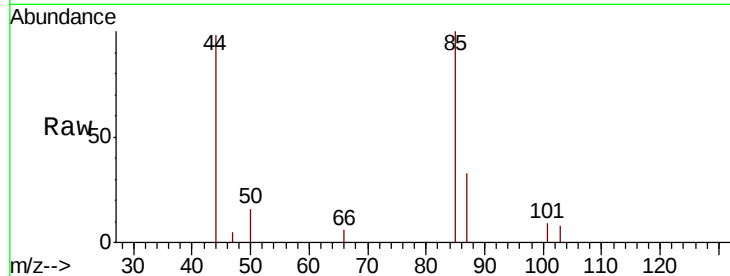
MDL06

Tot Ion: 85 Resp: 3525

Ion Ratio Lower Upper

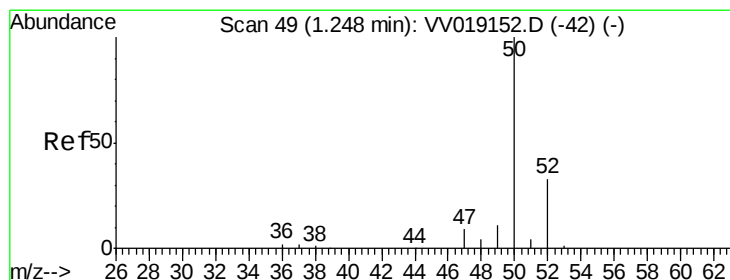
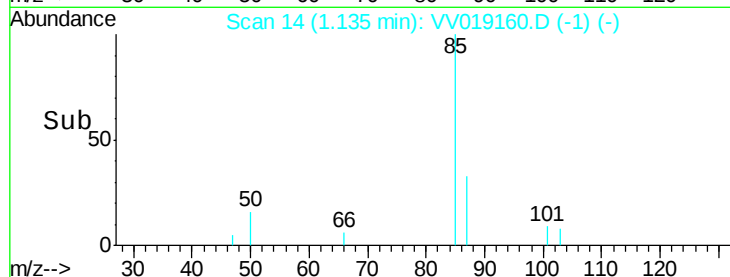
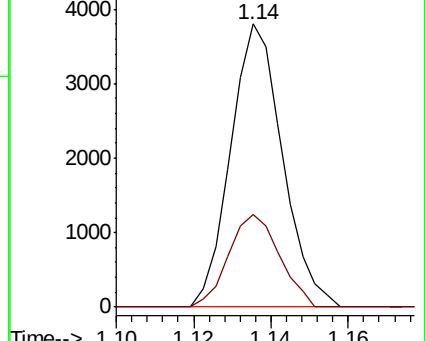
85 100

87 32.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.148 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019160.D

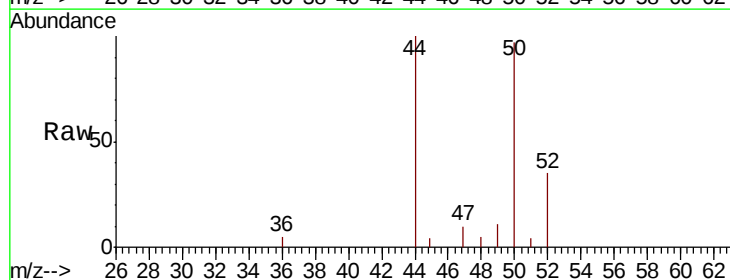
Acq: 29 Oct 2020 21:12

Tgt Ion: 50 Resp: 3806

Ion Ratio Lower Upper

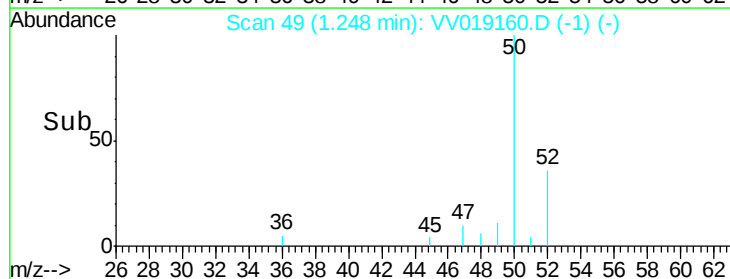
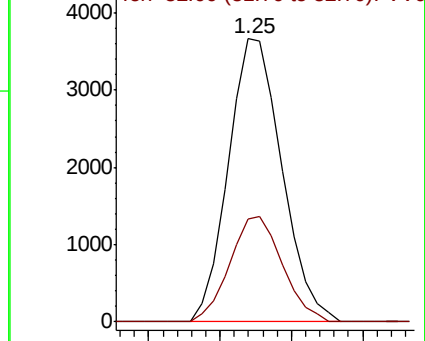
50 100

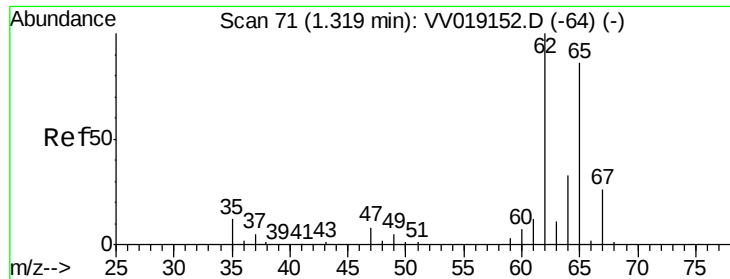
52 36.3 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.392 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

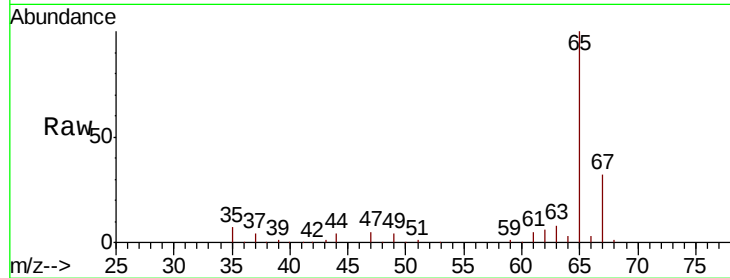
MDL06

Tot Ion: 62 Resp: 4341

Ion Ratio Lower Upper

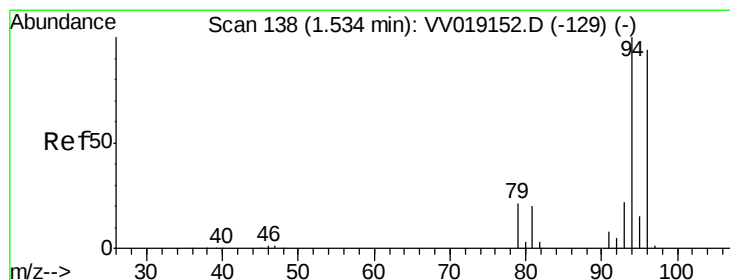
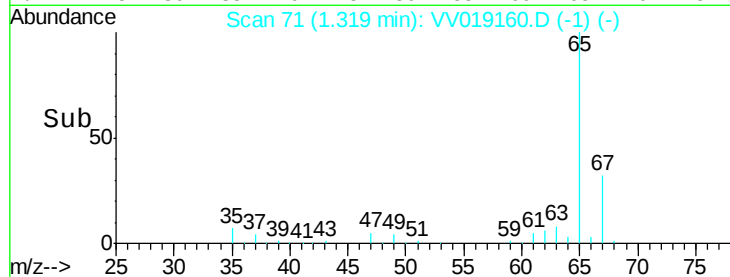
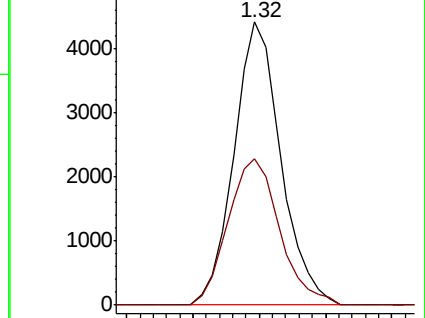
62 100

64 51.9 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.275 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019160.D

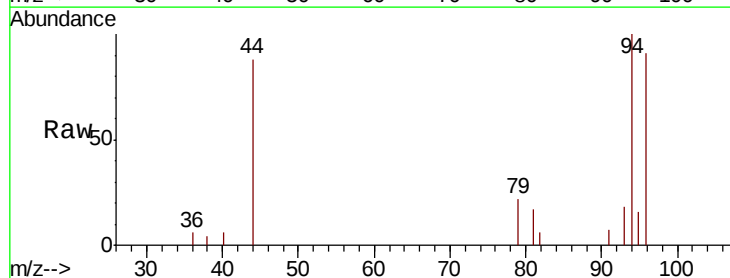
Acq: 29 Oct 2020 21:12

Tgt Ion: 94 Resp: 2765

Ion Ratio Lower Upper

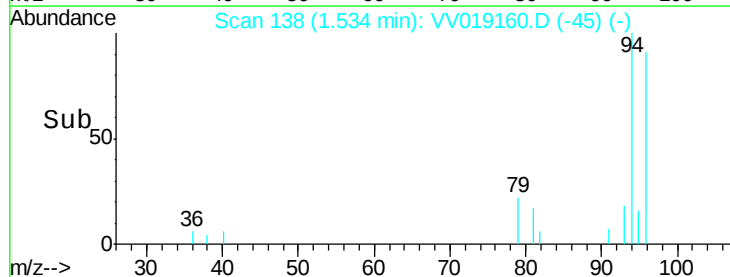
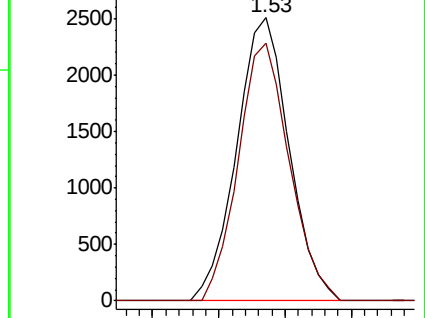
94 100

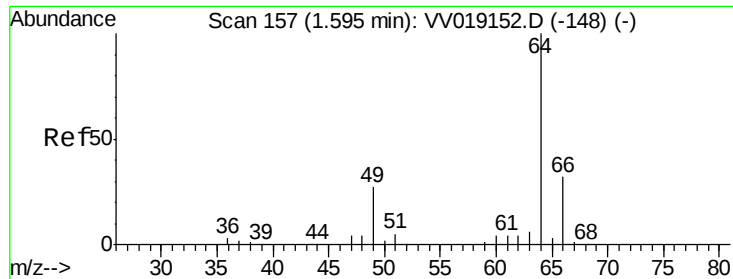
96 90.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

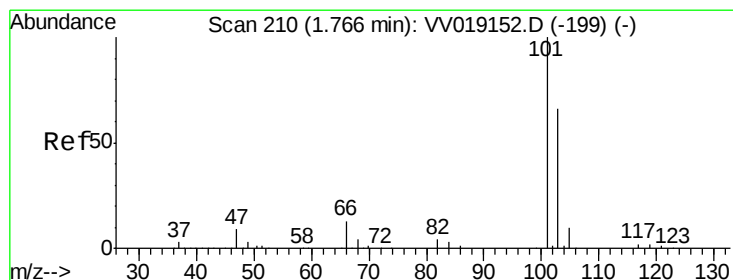
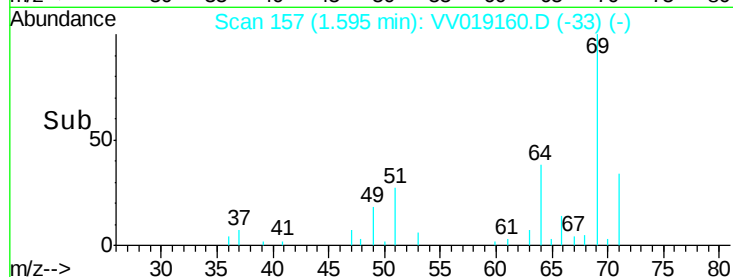
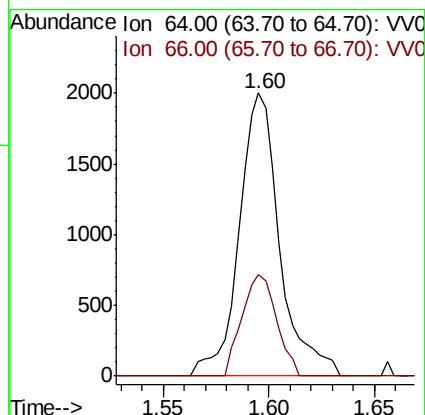
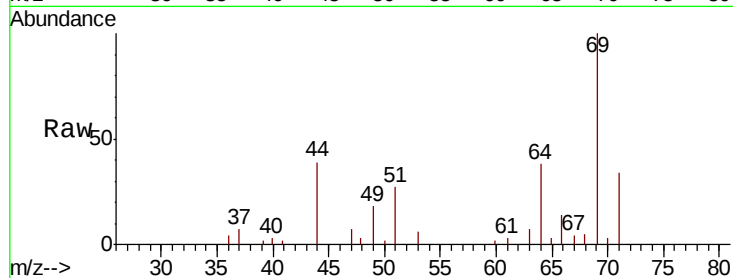




#8
Chloroethane
Concen: 2.372 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

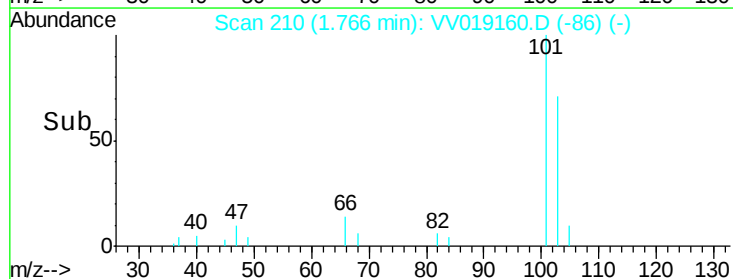
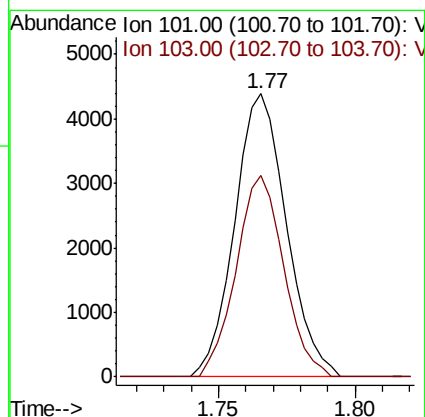
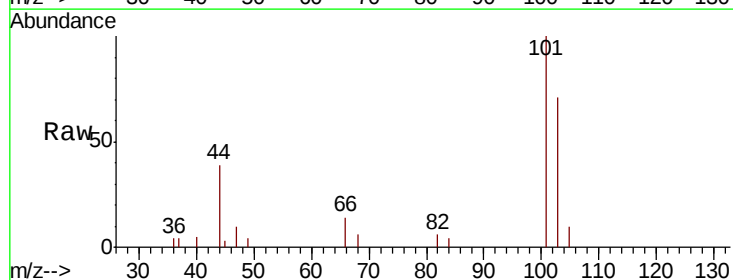
Instrument :
MSVOA_V
ClientSampled :
MDL06

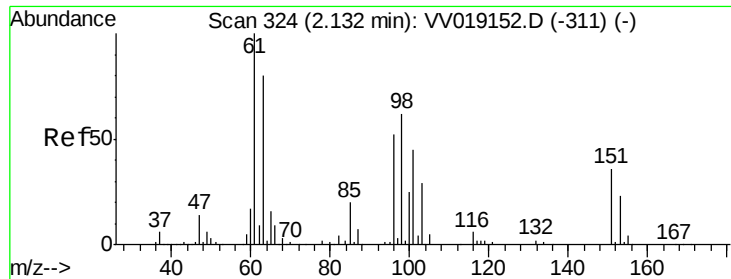
Tot Ion: 64 Resp: 2676
Ion Ratio Lower Upper
64 100
66 35.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.909 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 101 Resp: 5773
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9





#10

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

Concen: 2.416 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampled :

MDL06

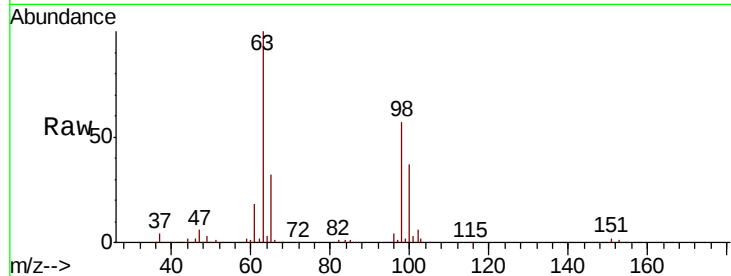
Tot Ion:101 Resp: 3516

Ion Ratio Lower Upper

101 100

85 39.5 36.1 54.1

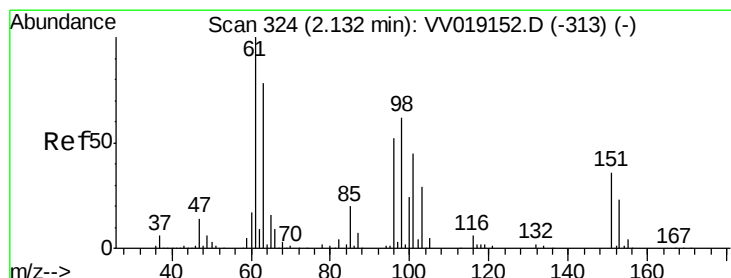
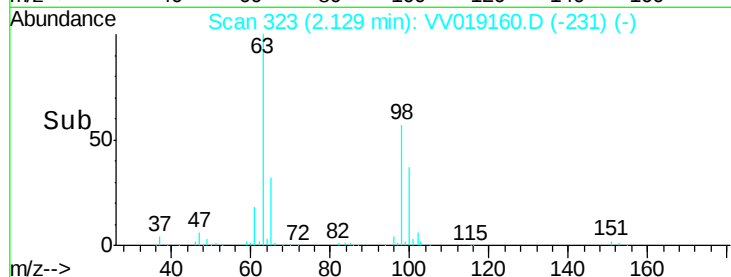
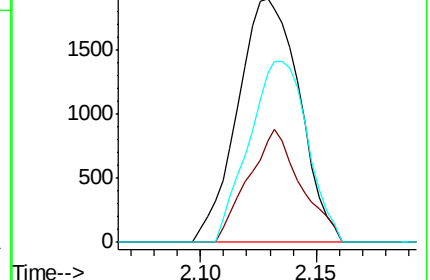
151 70.2 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019152.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019152.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019152.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 2.799 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

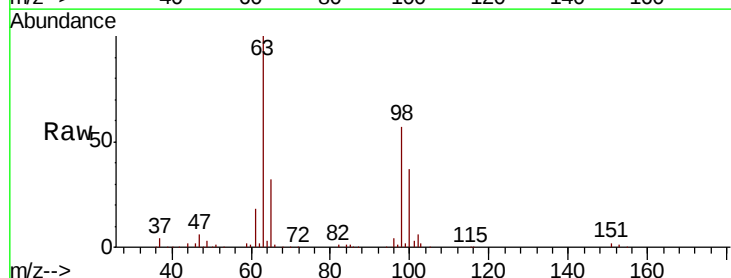
Tgt Ion: 96 Resp: 3989

Ion Ratio Lower Upper

96 100

61 470.5 132.6 246.2#

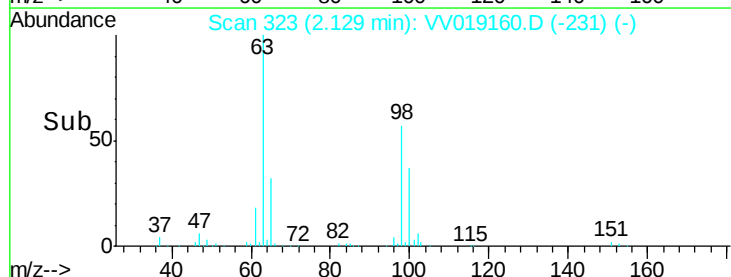
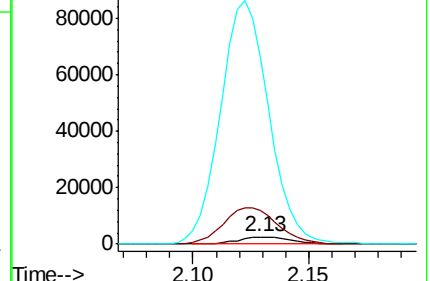
63 2666.1 108.4 201.4#

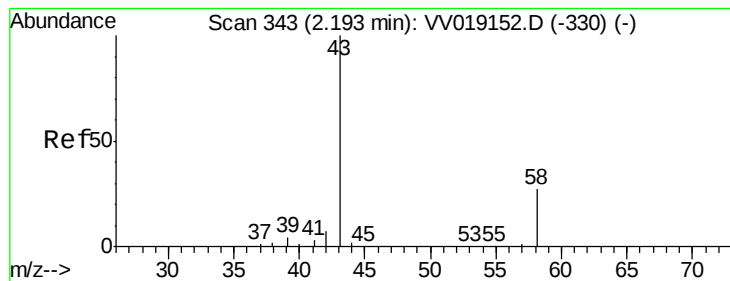


Abundance Ion 96.00 (95.70 to 96.70): VV019152.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019152.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019152.D (-313) (-)





#13

Acetone

Concen: 3.373 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

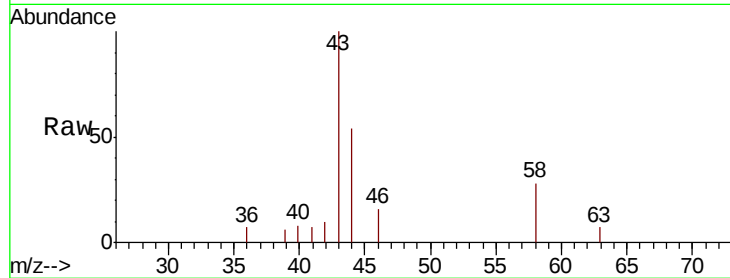
MDL06

Tot Ion: 43 Resp: 3390

Ion Ratio Lower Upper

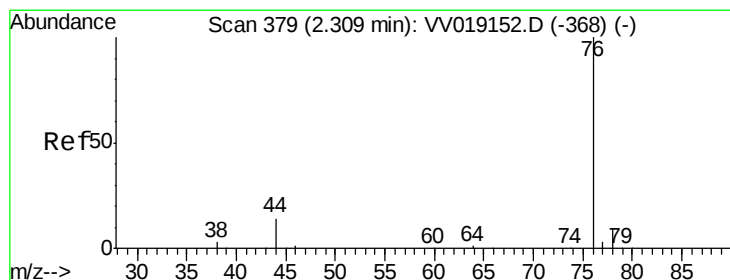
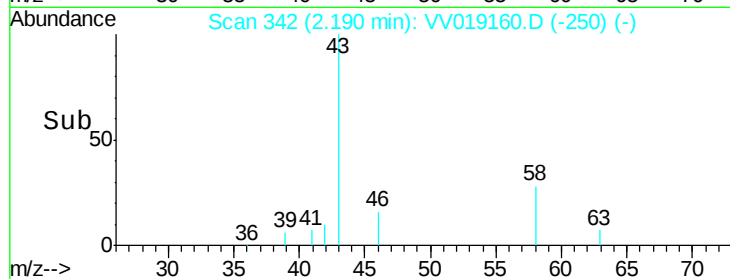
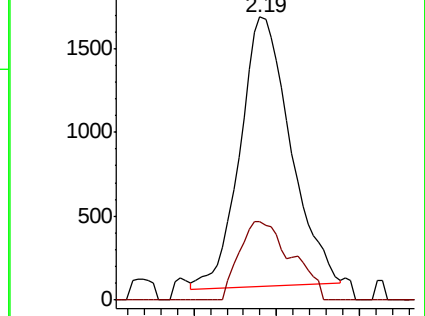
43 100

58 23.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019160.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019160.D (-250) (-)



#14

Carbon disulfide

Concen: 2.087 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019160.D

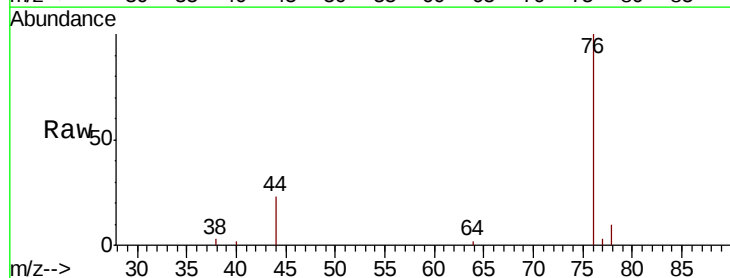
Acq: 29 Oct 2020 21:12

Tgt Ion: 76 Resp: 9457

Ion Ratio Lower Upper

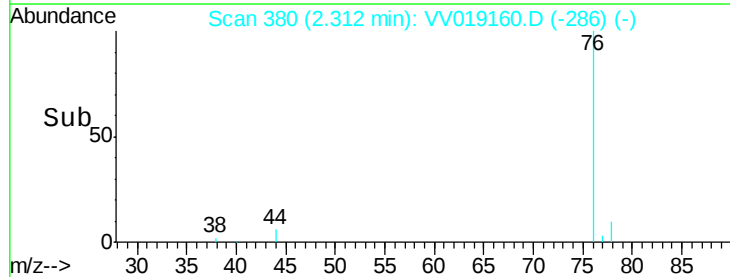
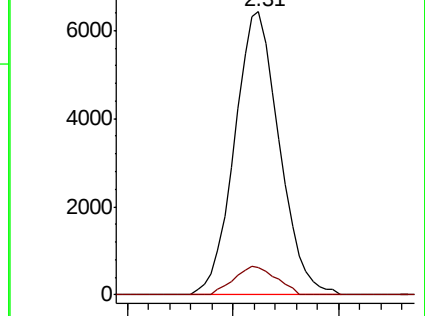
76 100

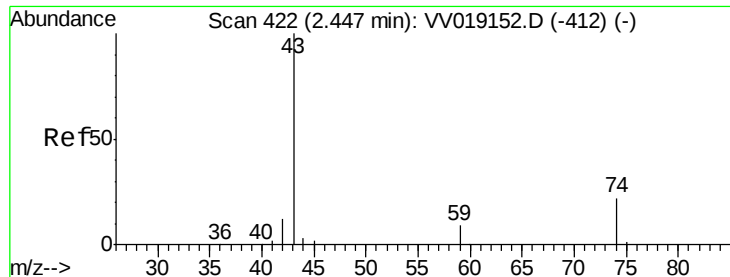
78 9.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019160.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019160.D (-286) (-)





#15

Methyl Acetate

Concen: 2.260 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.01 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampled :

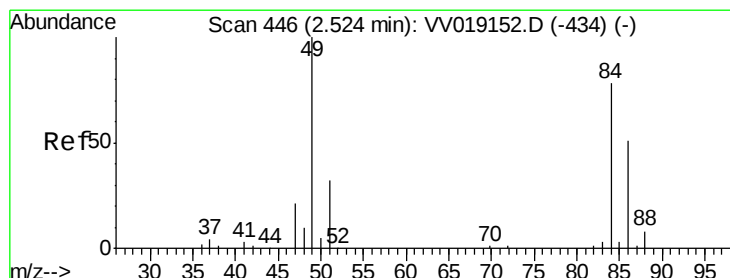
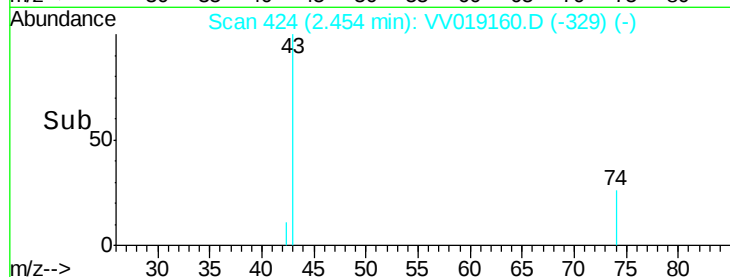
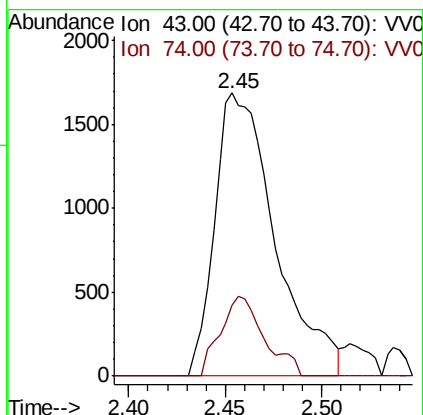
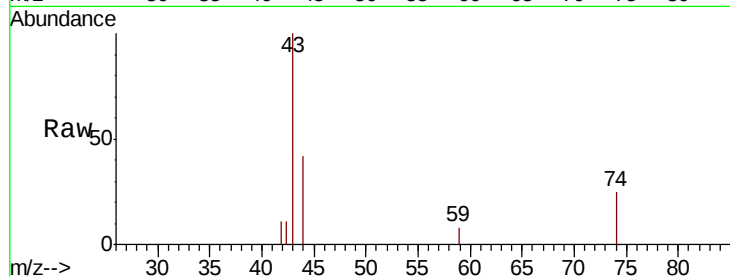
MDL06

Tot Ion: 43 Resp: 3661

Ion Ratio Lower Upper

43 100

74 18.4 18.4 27.6#



#16

Methylene chloride

Concen: 2.502 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

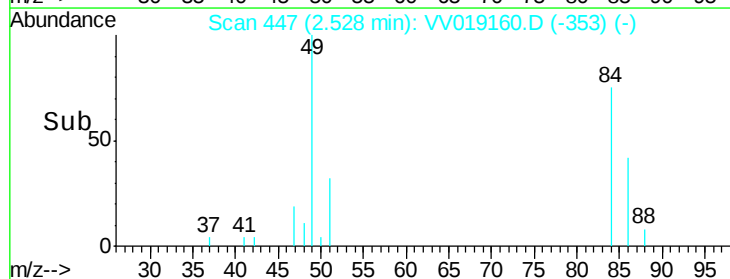
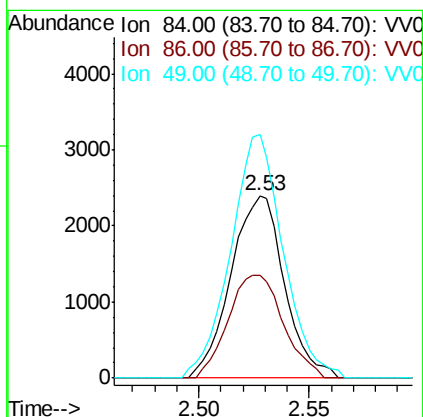
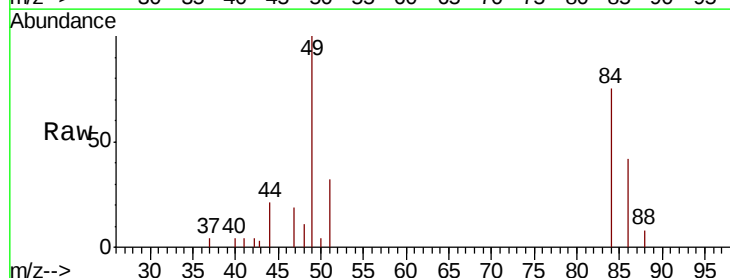
Tgt Ion: 84 Resp: 4049

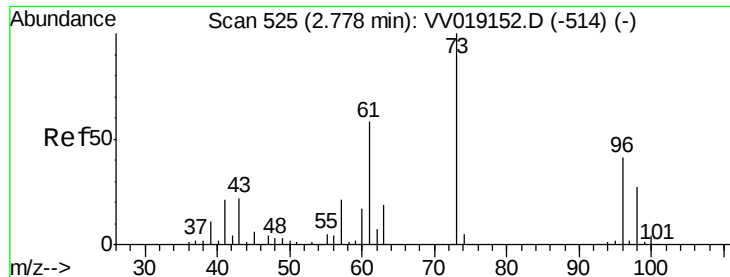
Ion Ratio Lower Upper

84 100

86 56.1 46.0 85.4

49 133.7 87.8 163.2

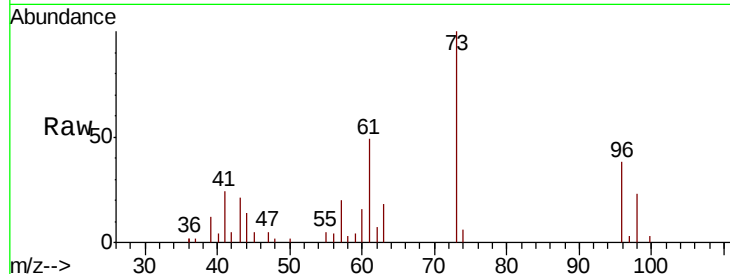




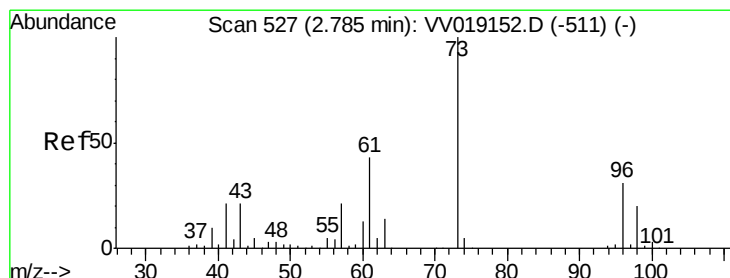
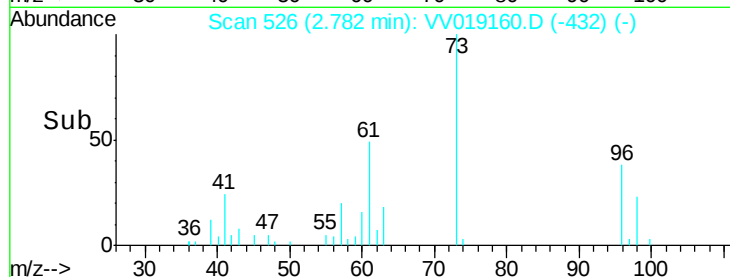
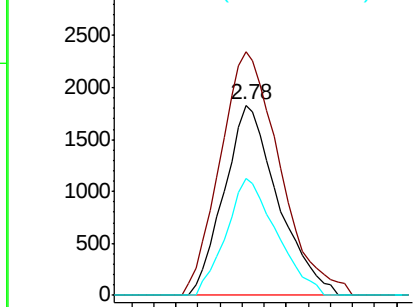
#17
trans-1,2-Dichloroethene
Concen: 2.026 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 96 Resp: 3101
Ion Ratio Lower Upper
96 100
61 127.9 102.4 190.2
98 61.2 45.9 85.3

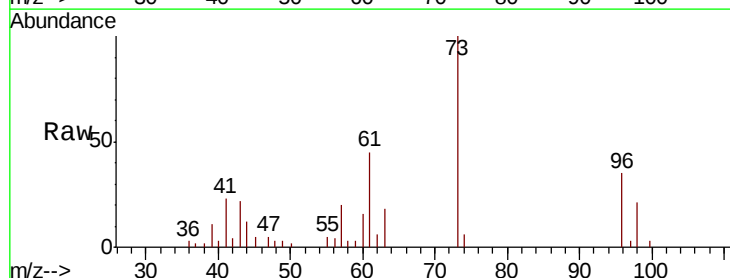


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

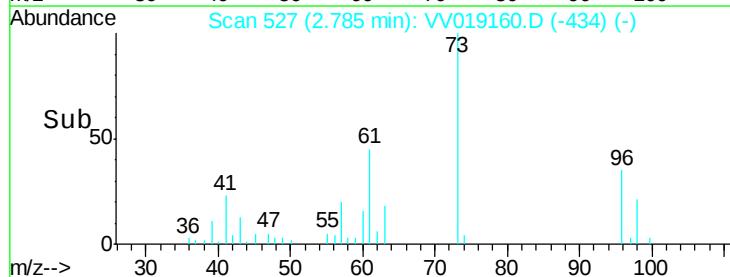
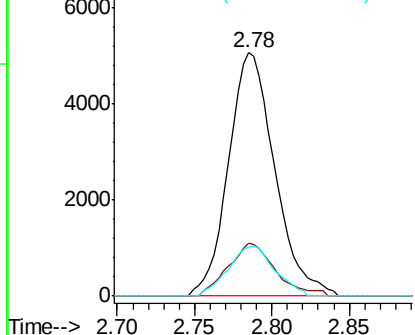


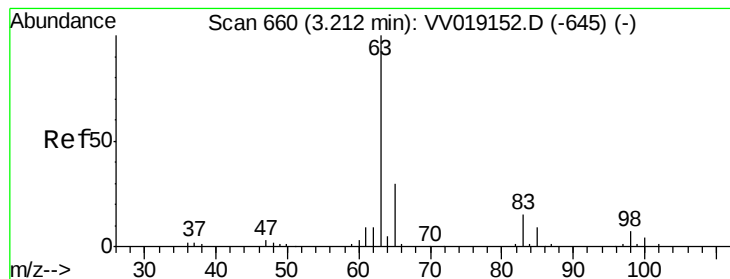
#18
Methyl tert-butyl Ether
Concen: 2.057 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 73 Resp: 10543
Ion Ratio Lower Upper
73 100
43 21.4 17.9 26.9
57 20.5 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: 2.137 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

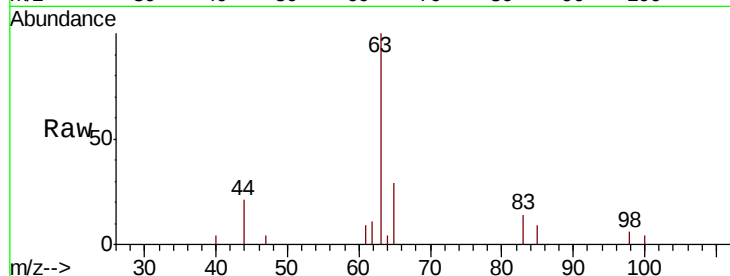
Tot Ion: 63 Resp: 6096

Ion Ratio Lower Upper

63 100

65 28.6 22.0 40.8

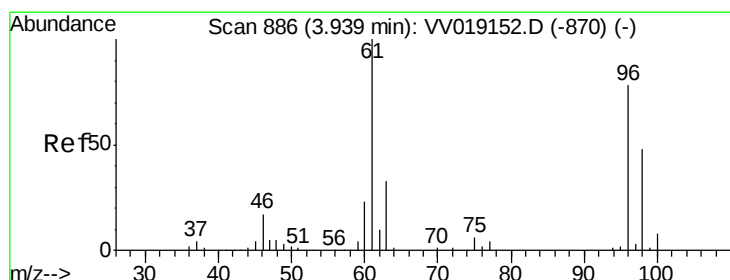
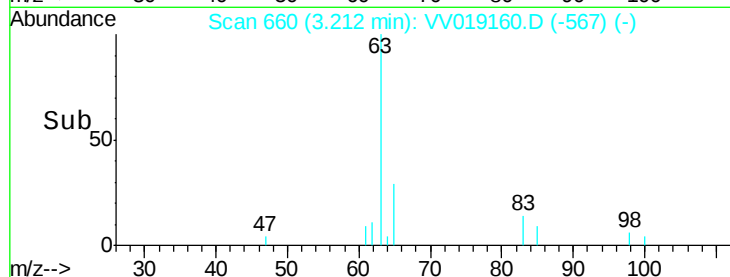
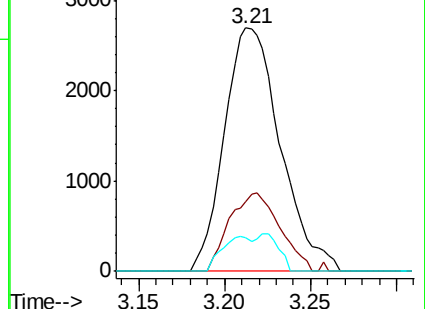
83 13.7 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.049 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

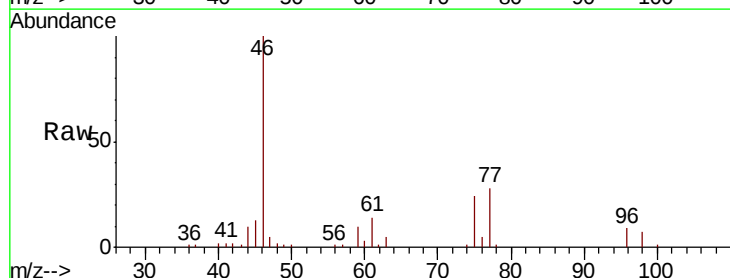
Tgt Ion: 96 Resp: 3443

Ion Ratio Lower Upper

96 100

61 156.1 90.7 168.5

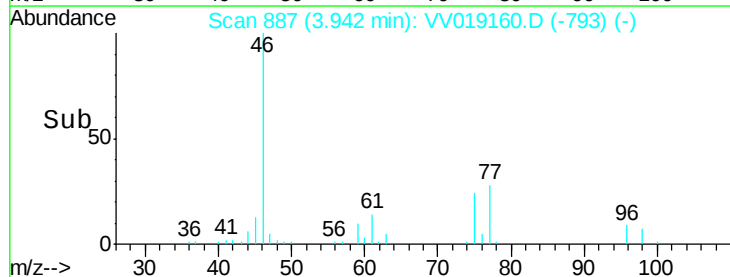
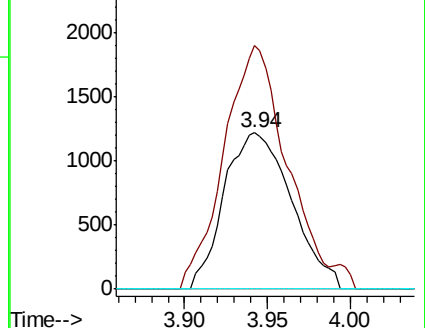
68 0.0 0.0 0.0

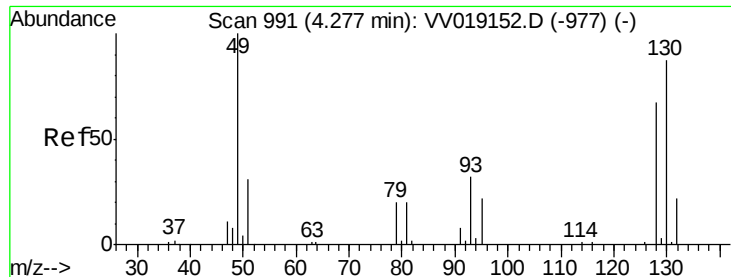


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 1.847 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:128 Resp: 1665

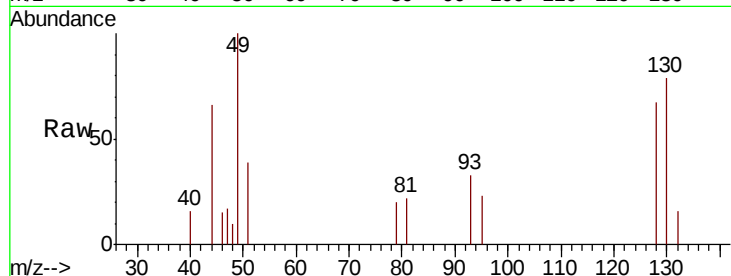
Ion Ratio Lower Upper

128 100

49 150.0 108.5 201.5

130 118.4 90.4 167.8

51 58.4 36.9 55.3#

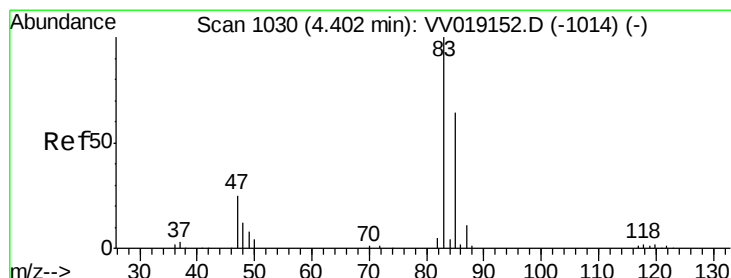
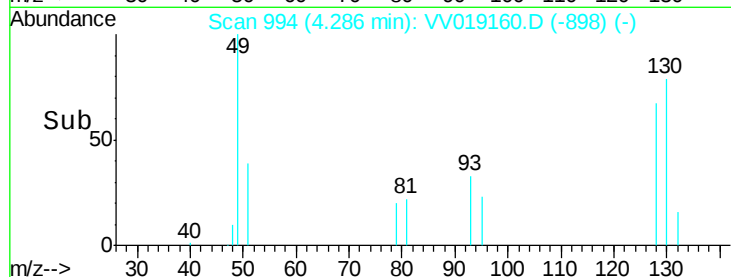
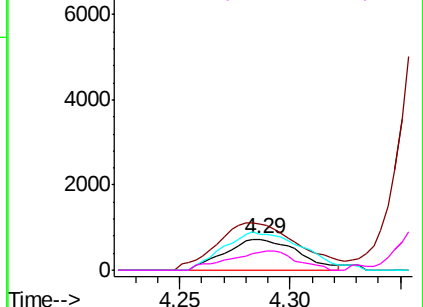


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 2.604 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV019160.D

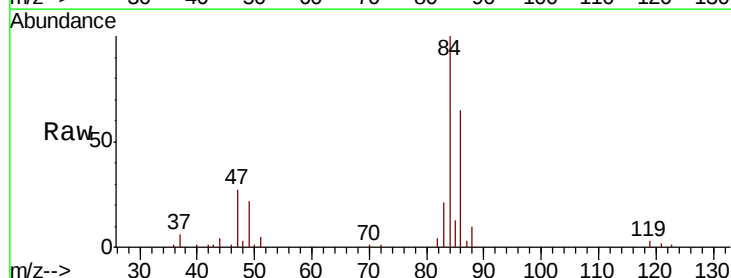
Acq: 29 Oct 2020 21:12

Tgt Ion: 83 Resp: 8026

Ion Ratio Lower Upper

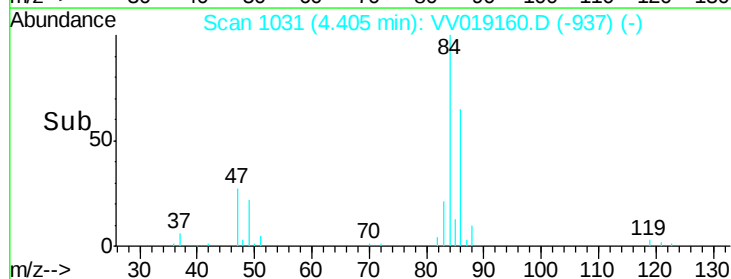
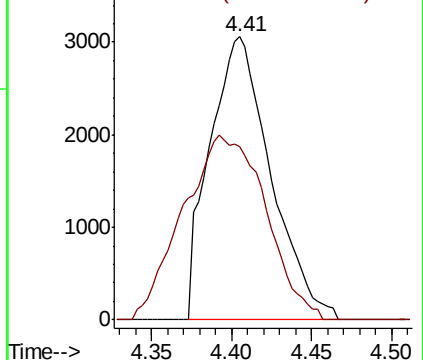
83 100

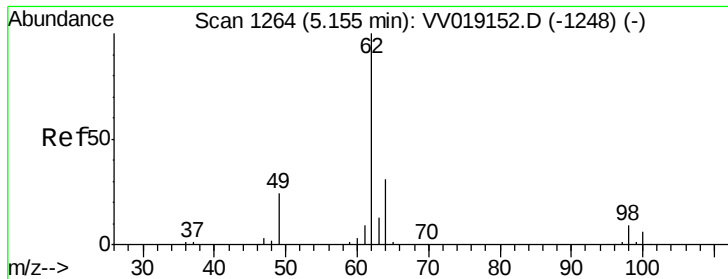
85 61.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

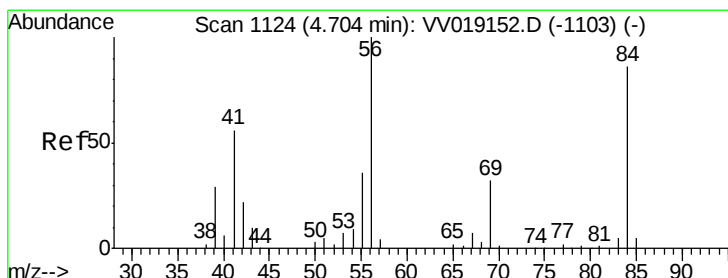
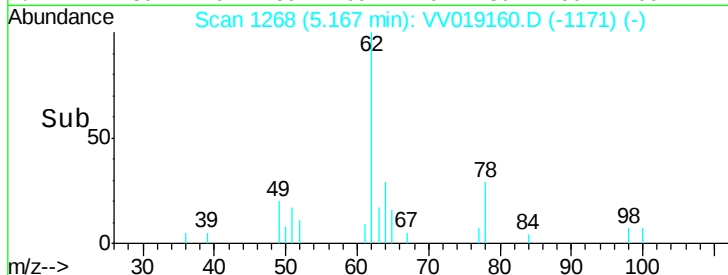
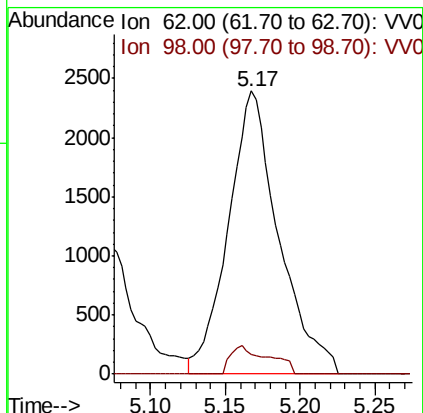
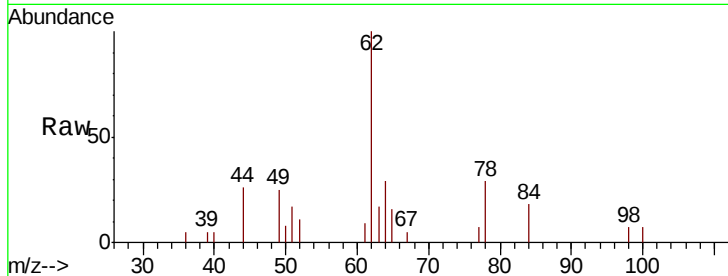




#27
 1,2-Dichloroethane
 Concen: 2.142 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

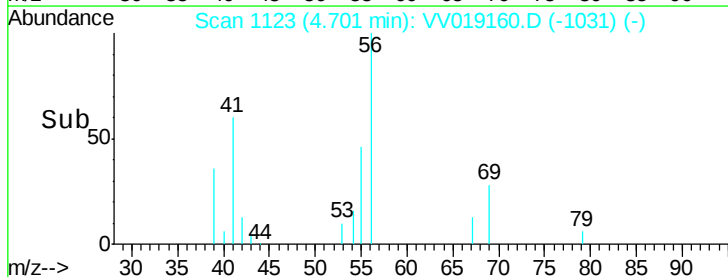
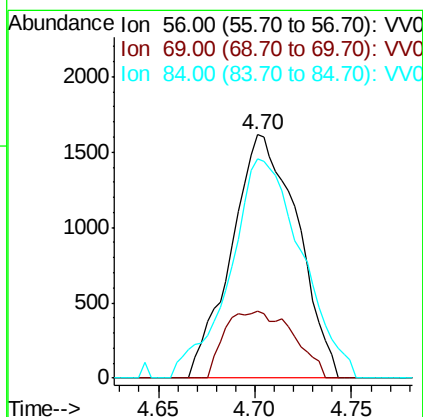
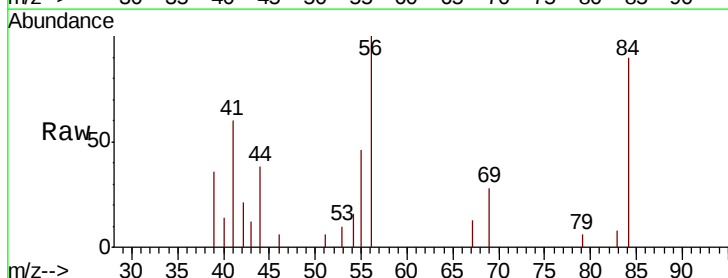
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

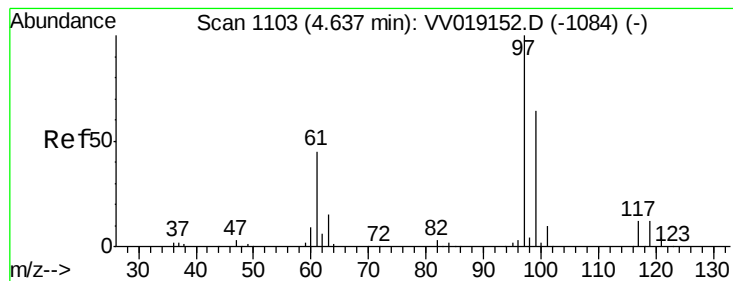
Tot Ion: 62 Resp: 5620
 Ion Ratio Lower Upper
 62 100
 98 7.0 6.8 10.2



#29
 Cyclohexane
 Concen: 1.634 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

Tgt Ion: 56 Resp: 3833
 Ion Ratio Lower Upper
 56 100
 69 9.9 25.0 37.4#
 84 97.9 71.5 107.3





#30

1,1,1-Trichloroethane

Concen: 1.972 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

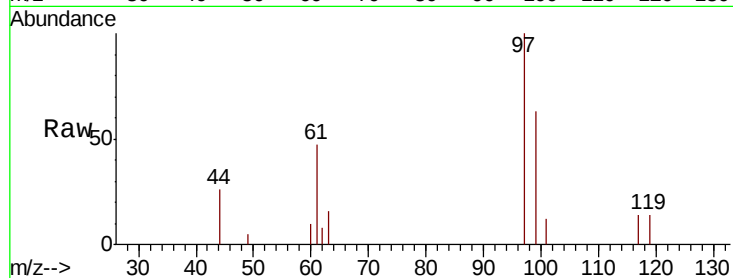
Tot Ion: 97 Resp: 5616

Ion Ratio Lower Upper

97 100

99 62.5 51.3 76.9

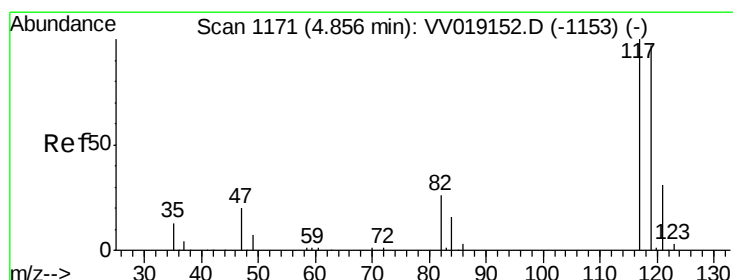
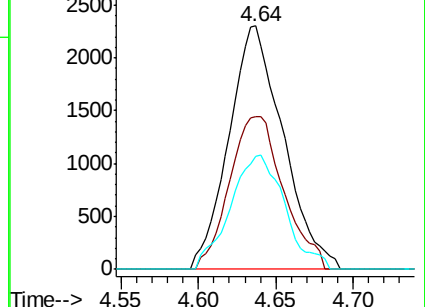
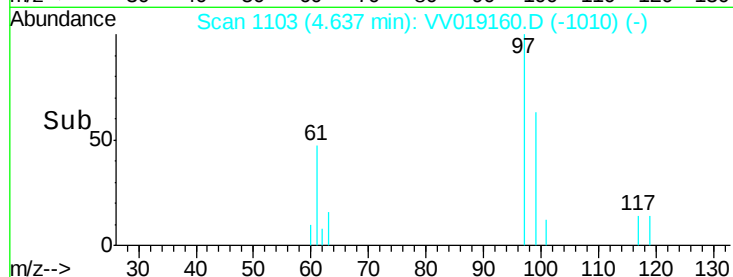
61 47.1 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VV019160.D (-1010) (-)

Ion 99.00 (98.70 to 99.70): VV019160.D (-1010) (-)

Ion 61.05 (60.75 to 61.75): VV019160.D (-1010) (-)



#31

Carbon tetrachloride

Concen: 0.944 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VV019160.D

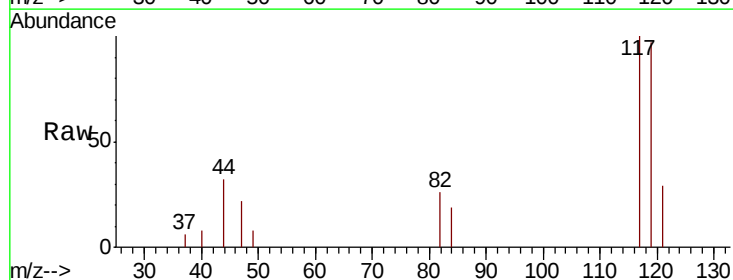
Acq: 29 Oct 2020 21:12

Tgt Ion: 117 Resp: 2383

Ion Ratio Lower Upper

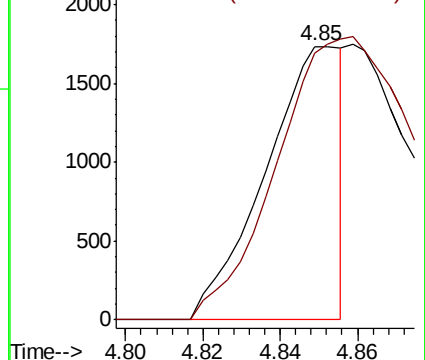
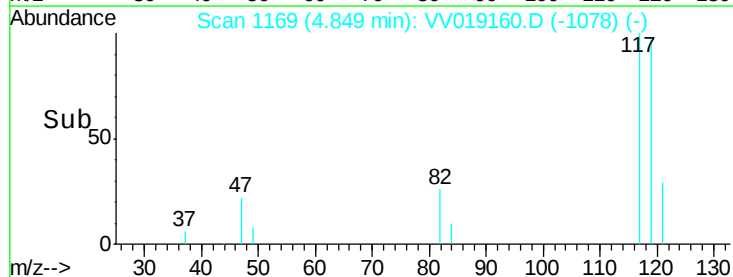
117 100

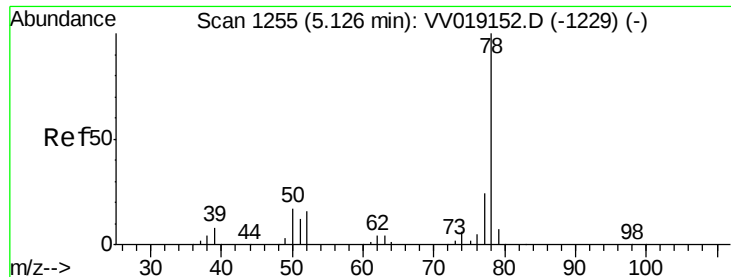
119 187.9 77.2 115.8#



Abundance Ion 117.00 (116.70 to 117.70): VV019160.D (-1078) (-)

Ion 119.00 (118.70 to 119.70): VV019160.D (-1078) (-)

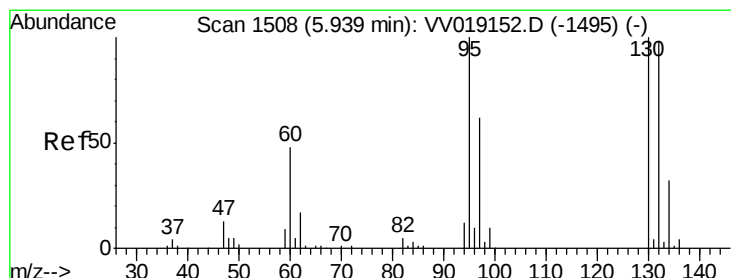
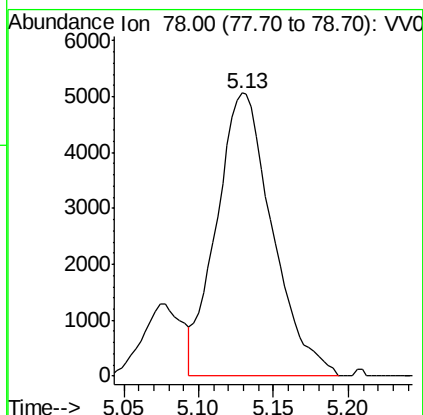
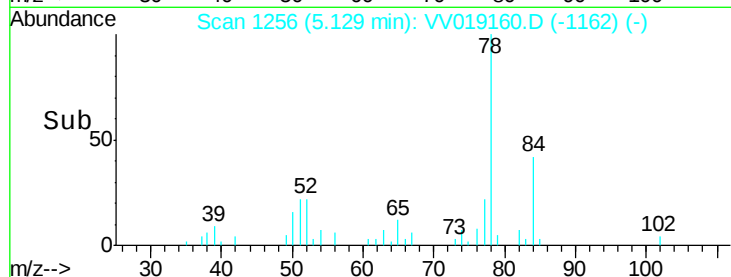
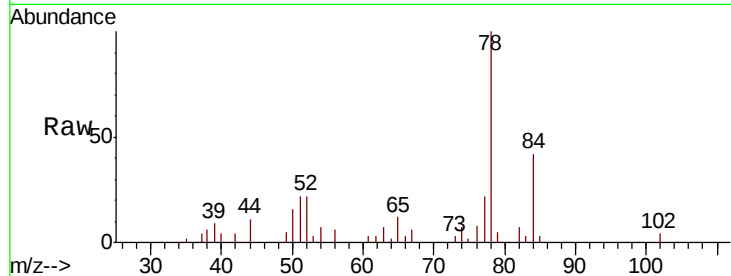




#33
Benzene
Concen: 2.170 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

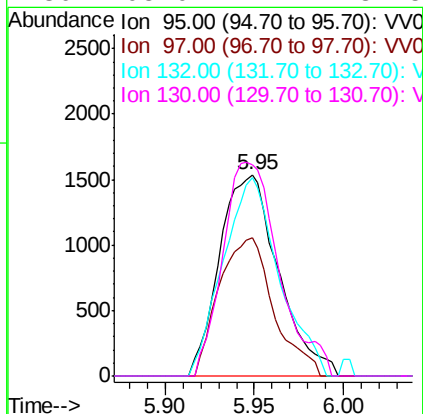
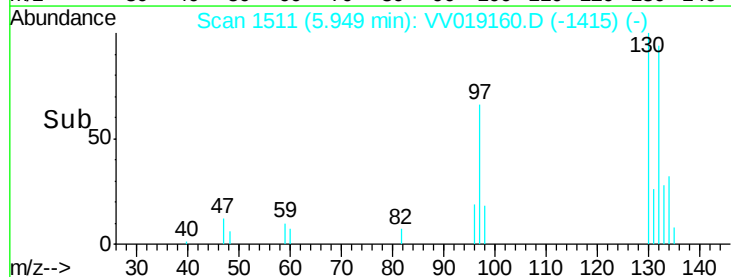
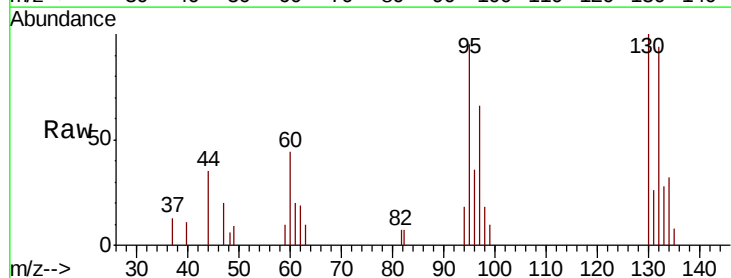
Instrument :
MSVOA_V
ClientSampled :
MDL06

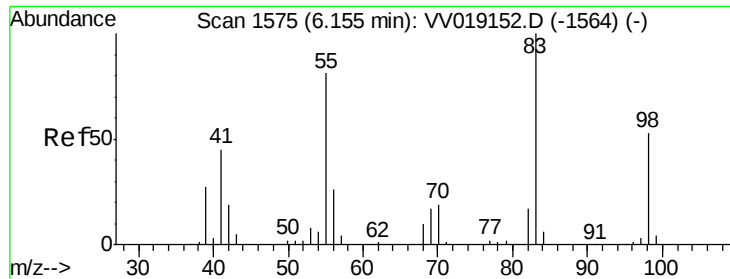
Tgt Ion: 78 Resp: 13148



#34
Trichloroethene
Concen: 2.126 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 95 Resp: 3528
Ion Ratio Lower Upper
95 100
97 68.9 43.4 80.6
132 98.8 69.7 129.4
130 105.0 72.4 134.5

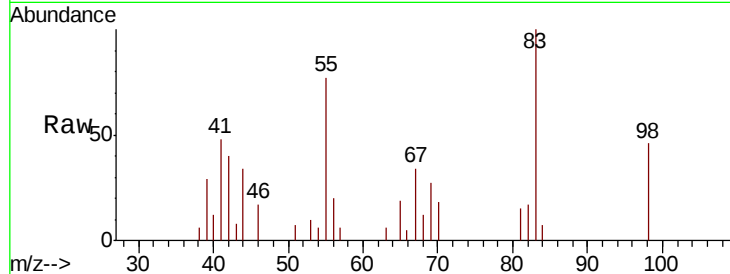




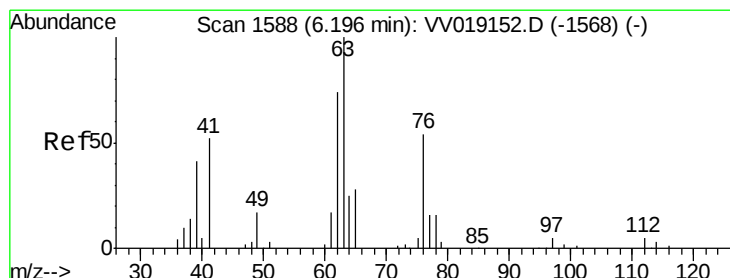
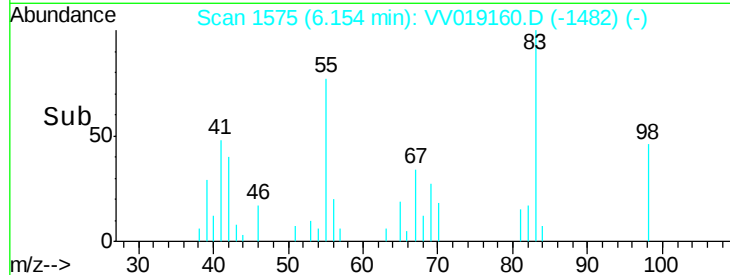
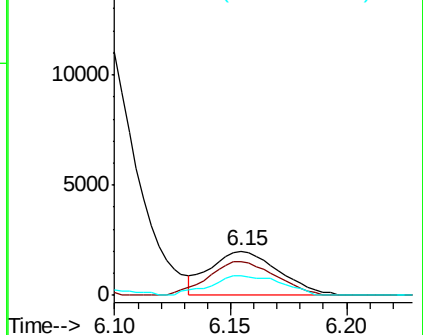
#35
Methylcyclohexane
Concen: 1.838 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 4118
Ion Ratio Lower Upper
83 100
55 74.6 62.2 93.4
98 29.1 39.4 59.2#

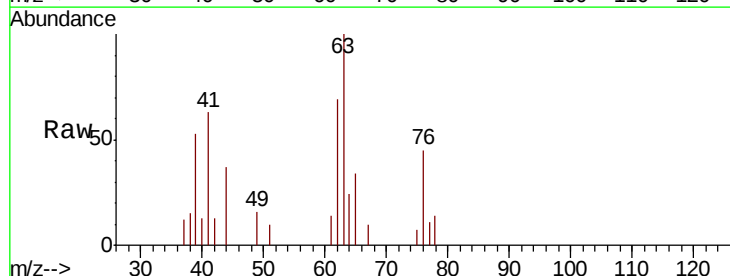


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

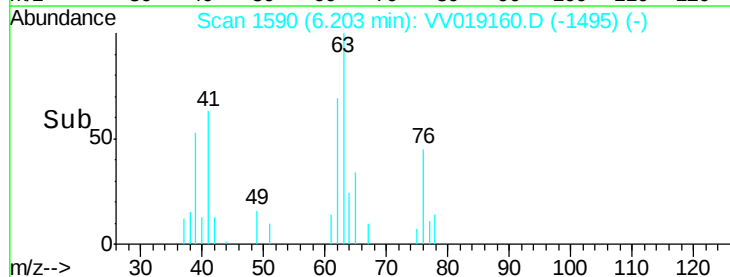
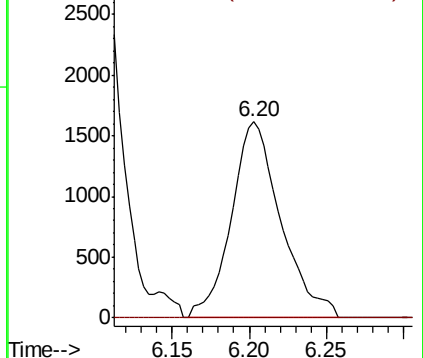


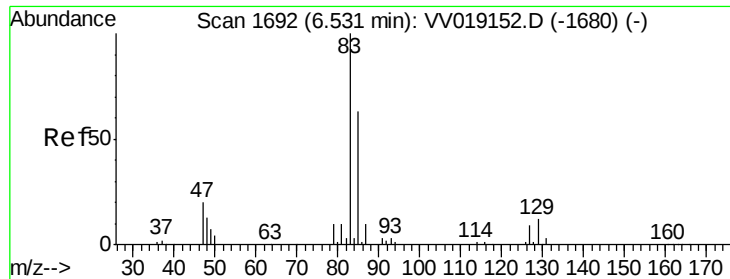
#37
1,2-Dichloropropane
Concen: 2.391 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 63 Resp: 3597
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

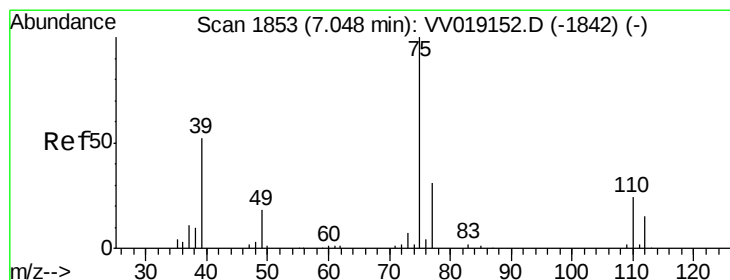
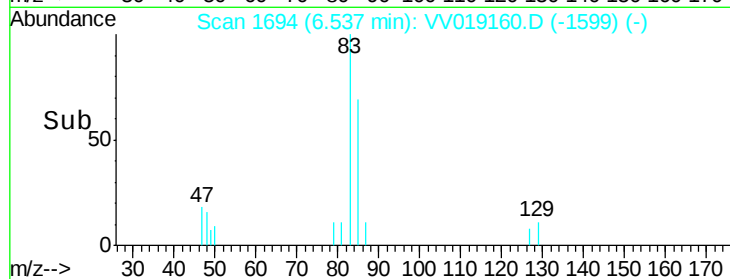
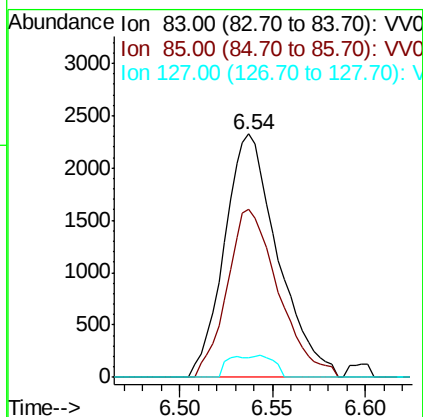
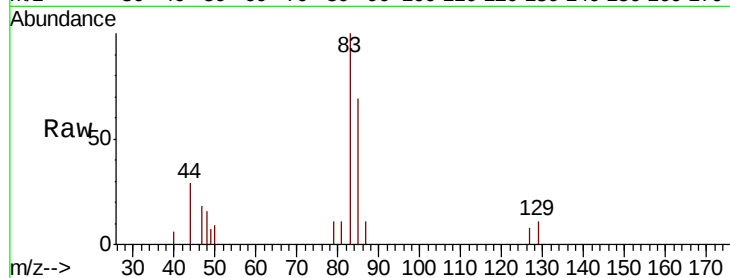




#38
 Bromodichloromethane
 Concen: 2.070 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

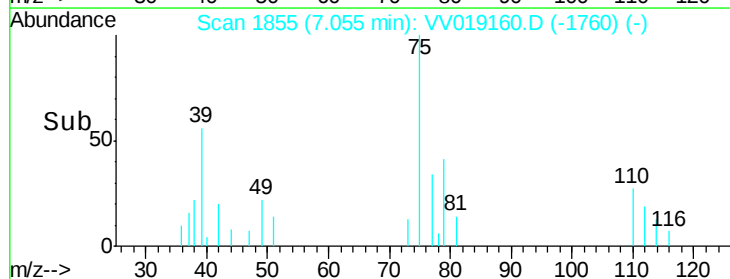
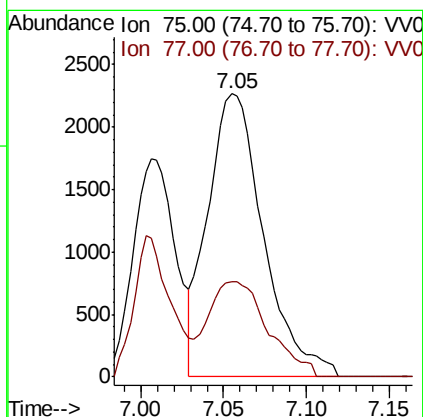
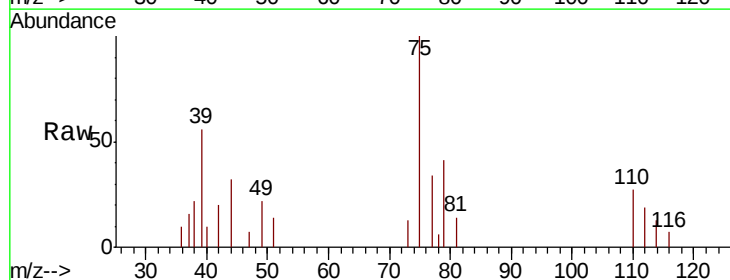
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

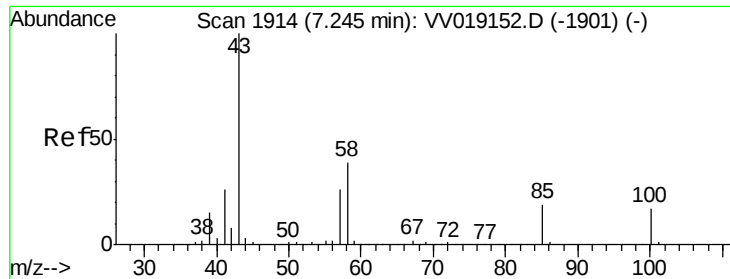
Tot Ion: 83 Resp: 4633
 Ion Ratio Lower Upper
 83 100
 85 69.2 45.9 85.3
 127 8.3 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 2.132 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

Tgt Ion: 75 Resp: 5299
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.7 42.1

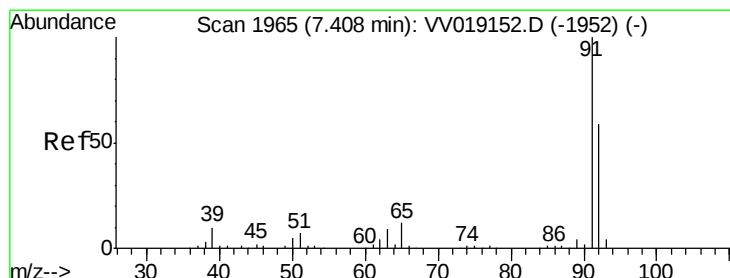
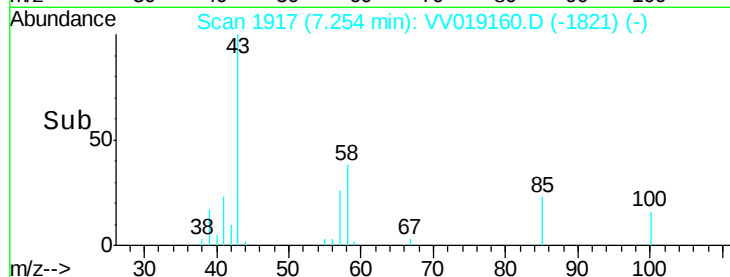
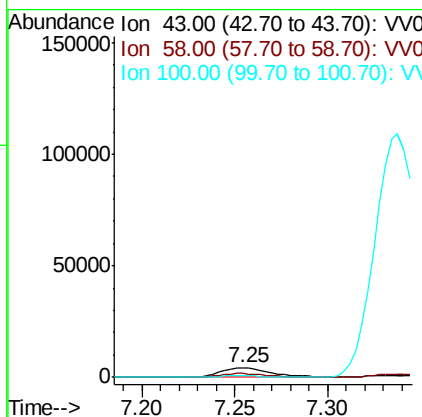
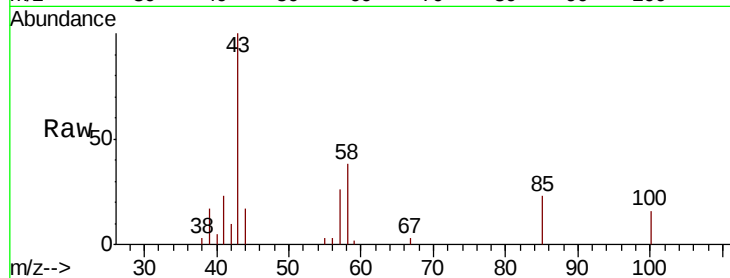




#40
4-Methyl-2-pentanone
Concen: 4.017 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

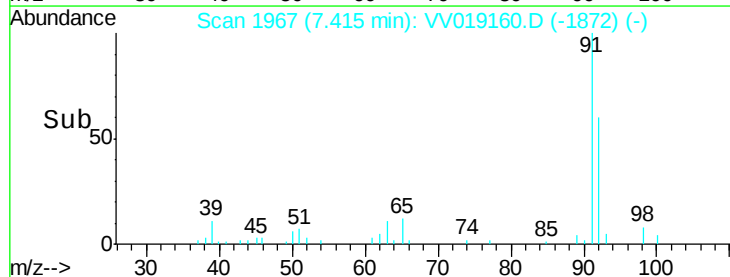
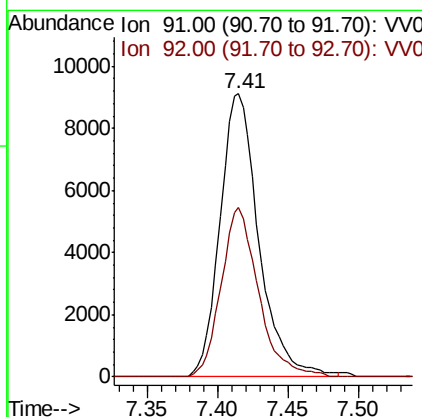
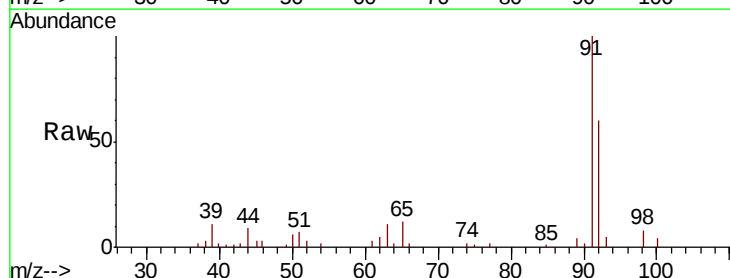
Instrument :
MSVOA_V
ClientSampleID :
MDL06

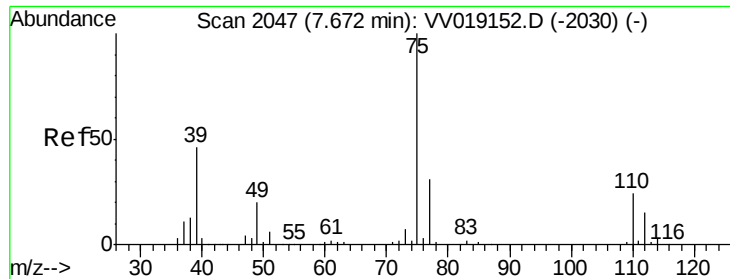
Tot Ion: 43 Resp: 8336
Ion Ratio Lower Upper
43 100
58 36.1 31.0 46.4
100 14.8 13.2 19.8



#42
Toluene
Concen: 2.638 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 91 Resp: 17519
Ion Ratio Lower Upper
91 100
92 59.8 41.5 77.1

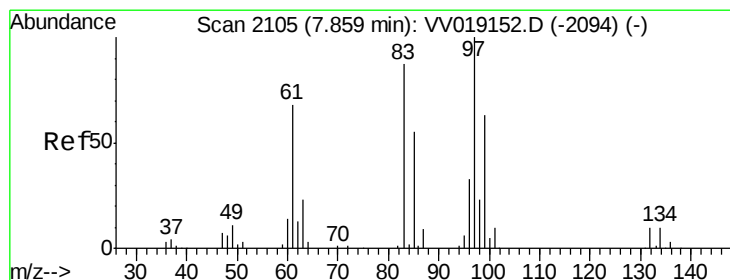
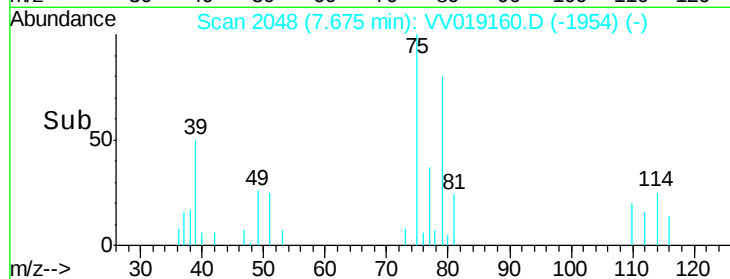
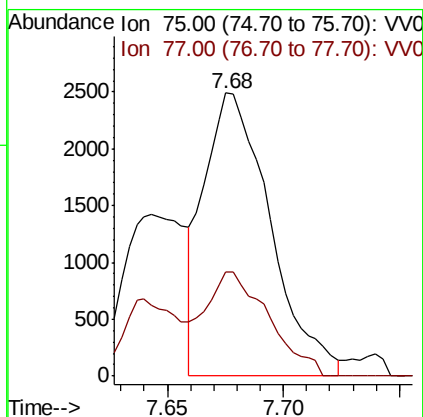
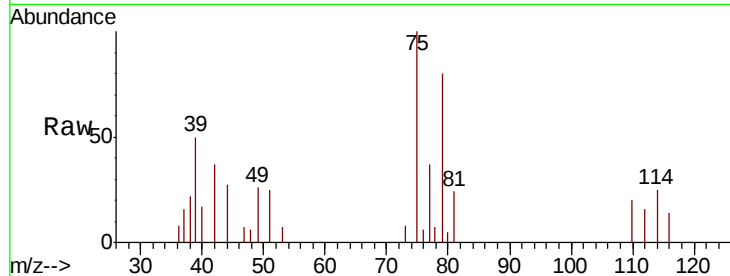




#44
trans-1,3-Dichloropropene
Concen: 1.911 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

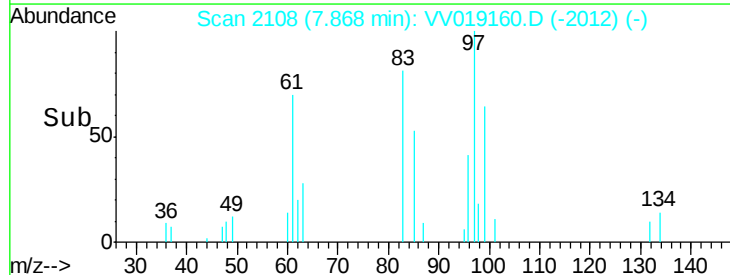
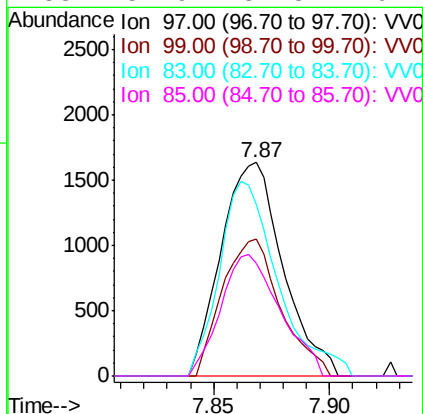
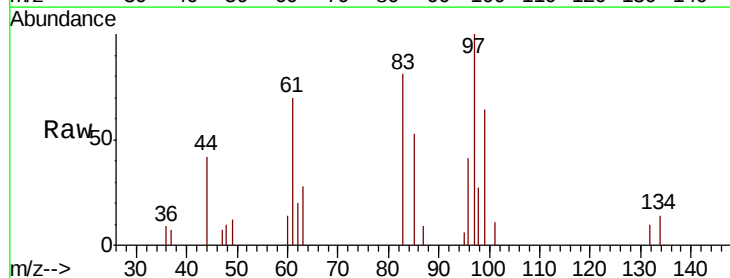
Instrument :
MSVOA_V
ClientSampled :
MDL06

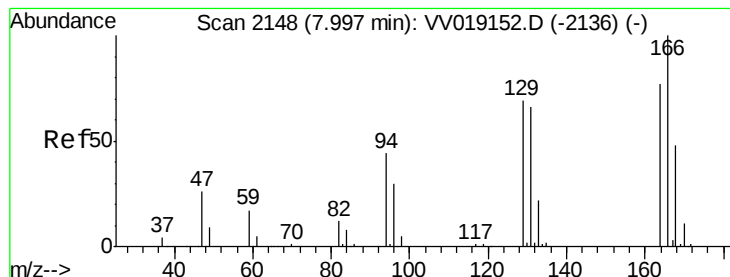
Tot Ion: 75 Resp: 4940
Ion Ratio Lower Upper
75 100
77 37.0 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.010 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 97 Resp: 3033
Ion Ratio Lower Upper
97 100
99 64.1 43.1 80.1
83 80.6 58.3 108.3
85 52.9 37.8 70.2





#46

Tetrachloroethene

Concen: 1.938 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:164 Resp: 2746

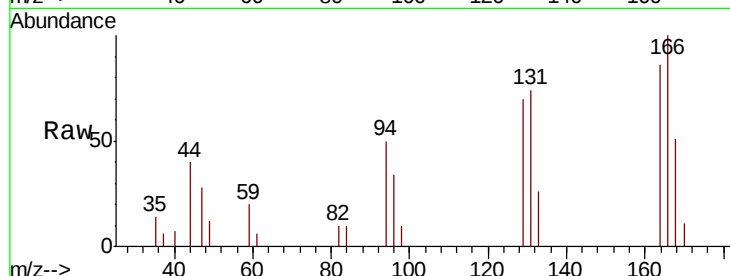
Ion Ratio Lower Upper

164 100

129 82.2 63.2 117.4

131 86.1 60.3 112.1

166 116.6 88.3 163.9

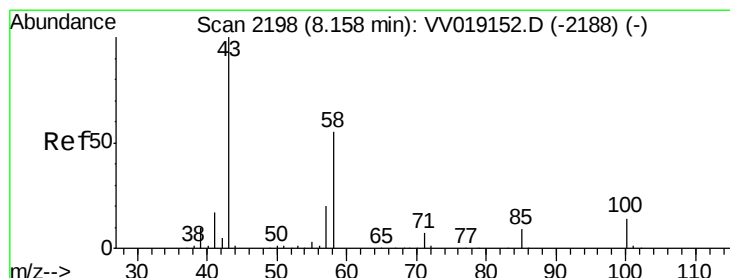
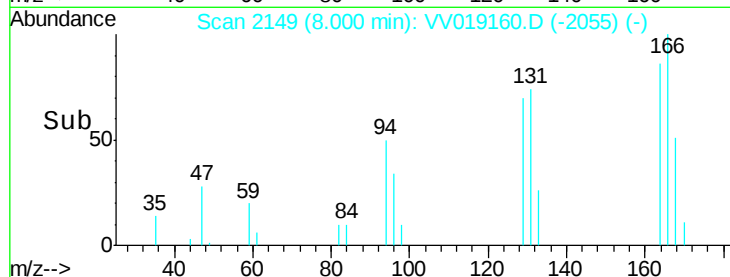
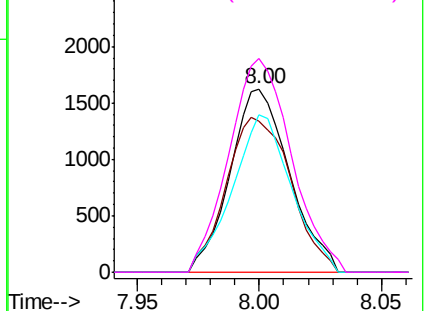


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.195 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Tgt Ion: 43 Resp: 8569

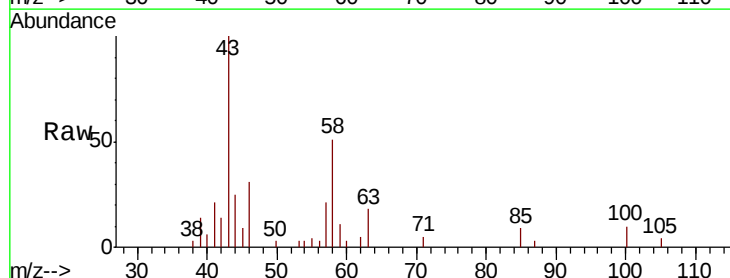
Ion Ratio Lower Upper

43 100

58 43.0 43.6 65.4#

57 14.0 16.0 24.0#

100 9.3 10.3 15.5#

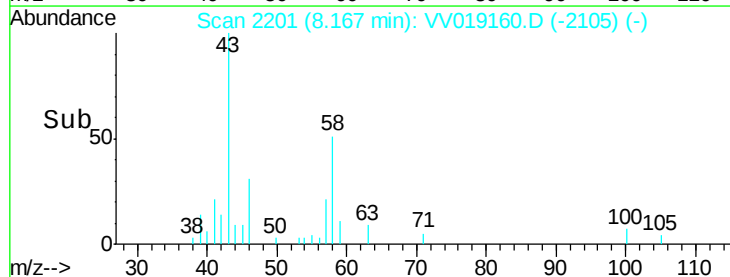
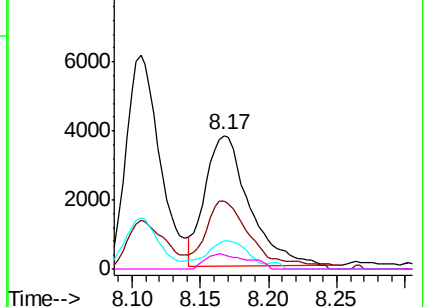


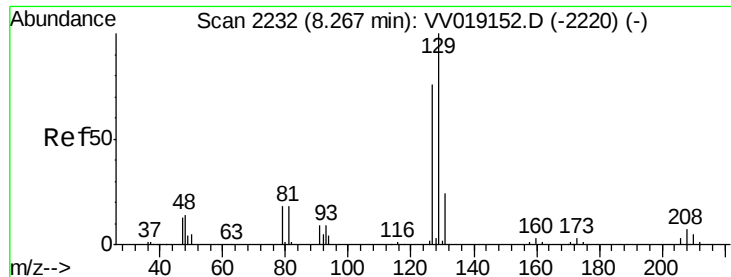
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

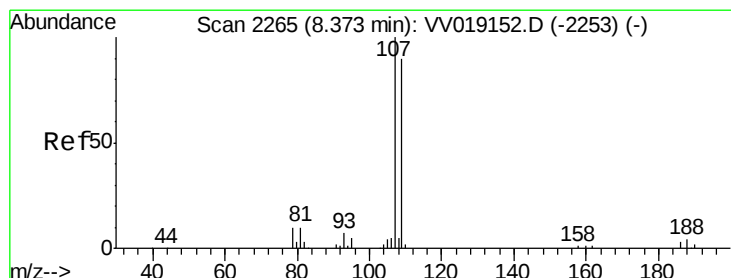
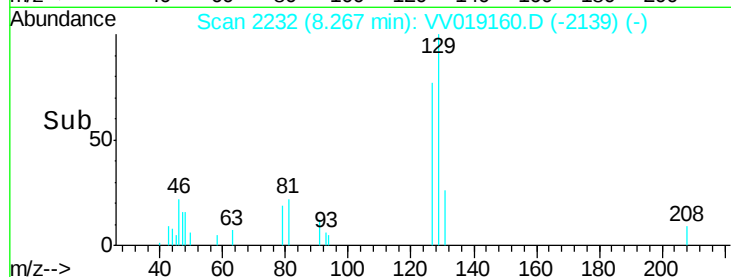
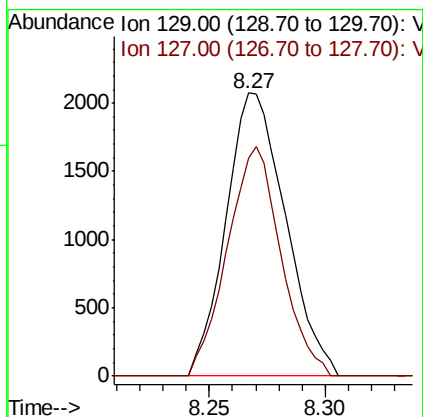
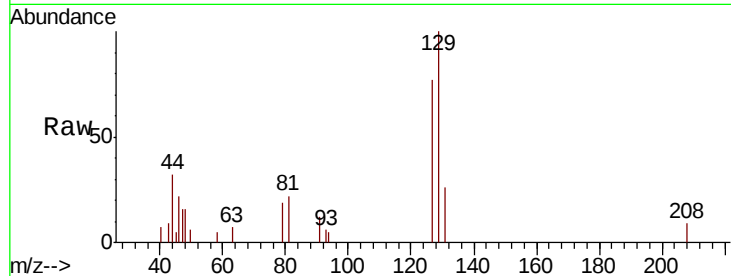




#49
 Dibromochloromethane
 Concen: 2.028 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

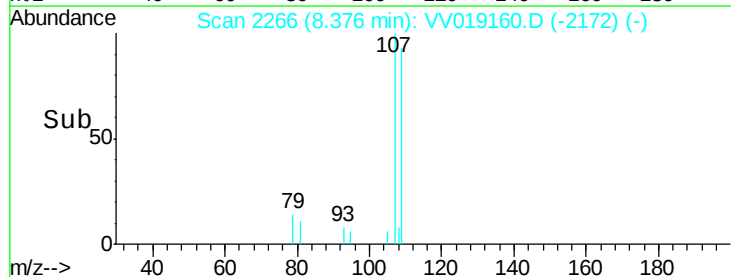
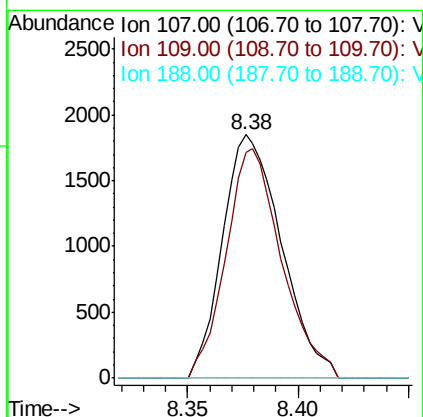
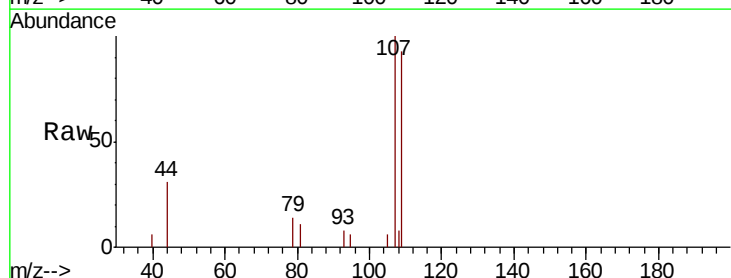
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

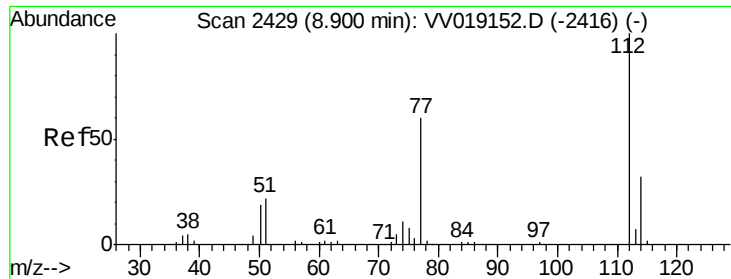
Tot Ion:129 Resp: 3704
 Ion Ratio Lower Upper
 129 100
 127 77.1 54.7 101.5



#50
 1,2-Dibromoethane
 Concen: 2.129 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

Tgt Ion:107 Resp: 3428
 Ion Ratio Lower Upper
 107 100
 109 92.8 65.7 121.9
 188 0.0 3.4 5.2#

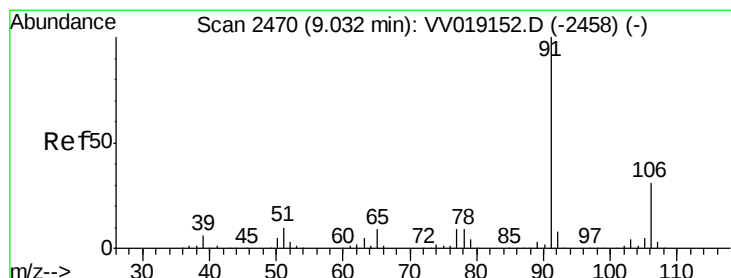
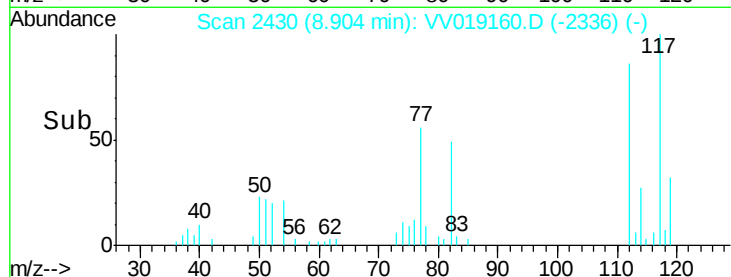
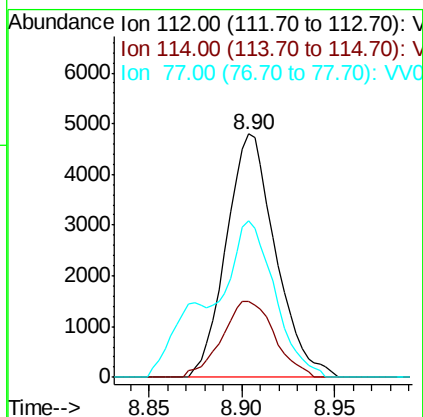
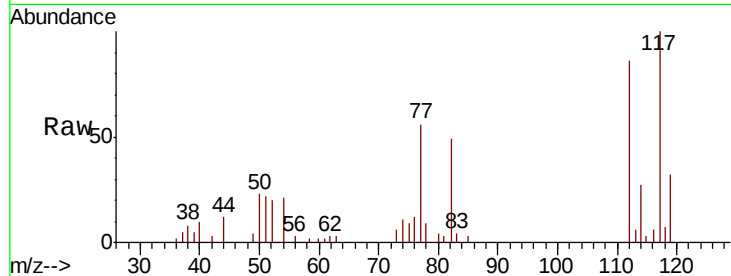




#51
Chlorobenzene
Concen: 2.031 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

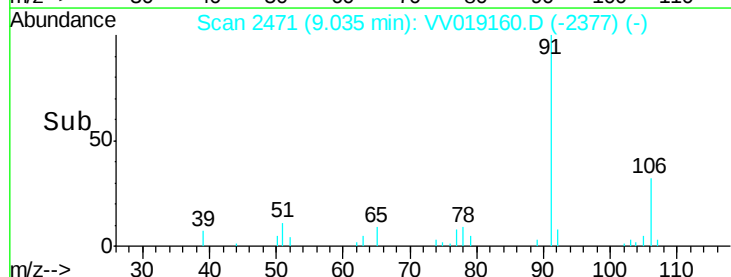
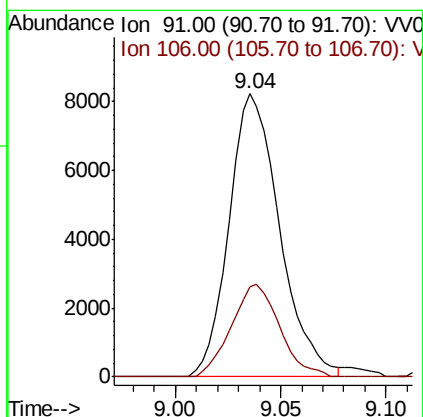
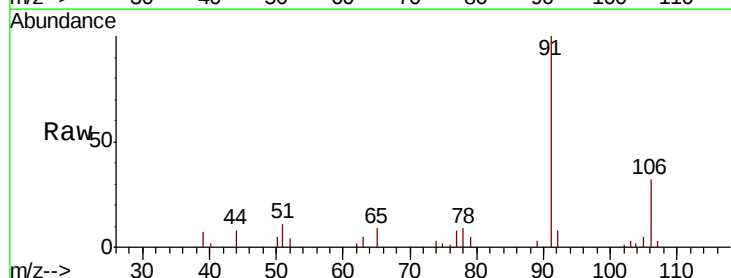
Instrument :
MSVOA_V
ClientSampleId :
MDL06

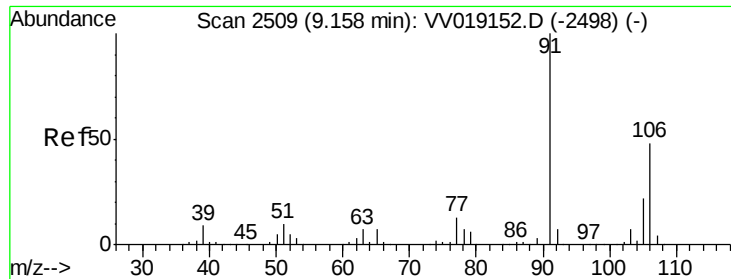
Tot Ion:112 Resp: 8841
Ion Ratio Lower Upper
112 100
114 31.2 22.3 41.5
77 64.6 46.7 70.1



#52
Ethylbenzene
Concen: 1.878 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion: 91 Resp: 13746
Ion Ratio Lower Upper
91 100
106 32.0 21.6 40.0

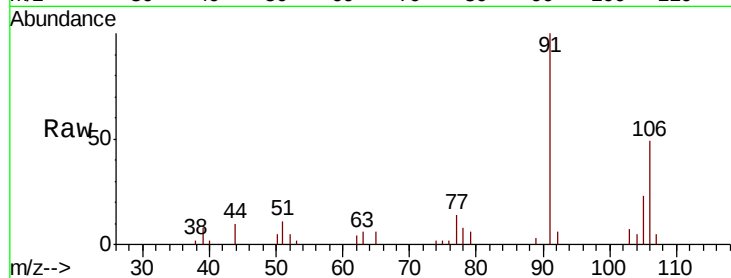




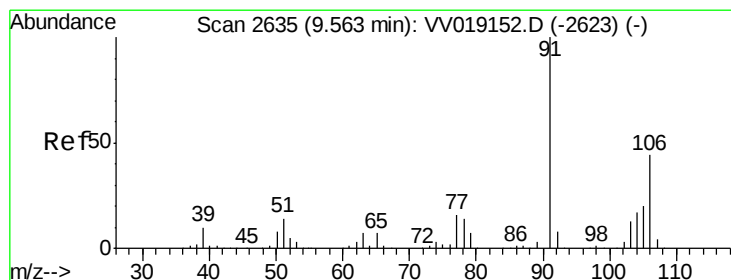
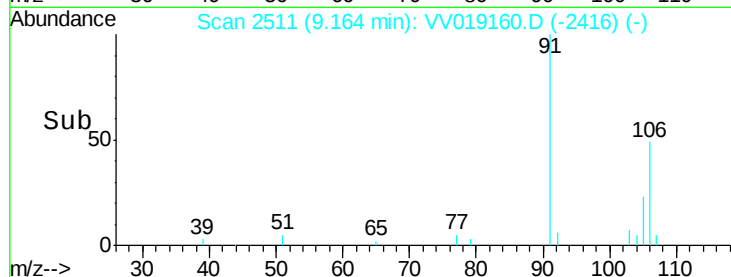
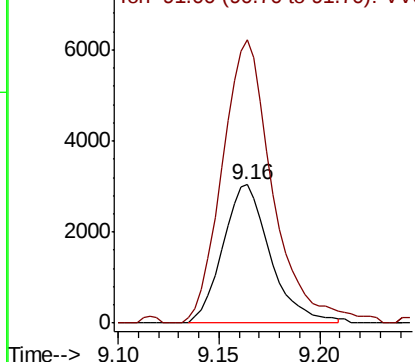
#53
m,p-Xylene
Concen: 1.812 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:106 Resp: 5007
Ion Ratio Lower Upper
106 100
91 204.6 145.4 270.0

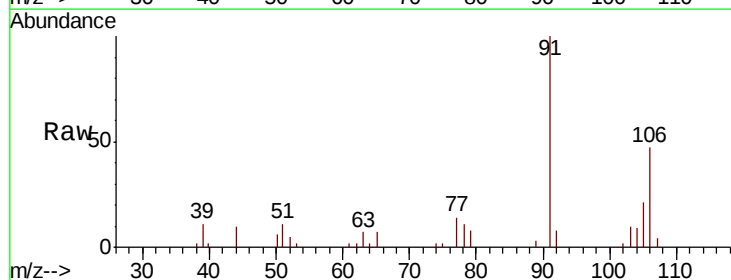


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

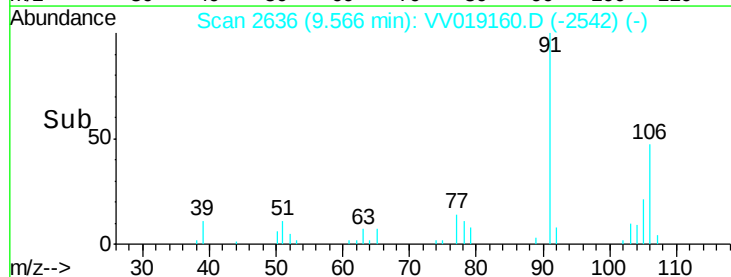
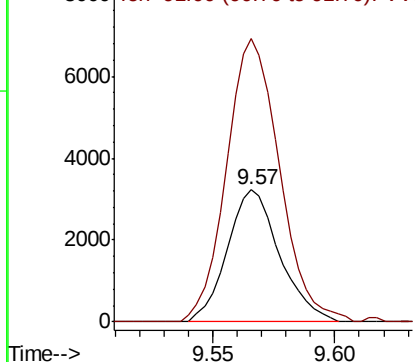


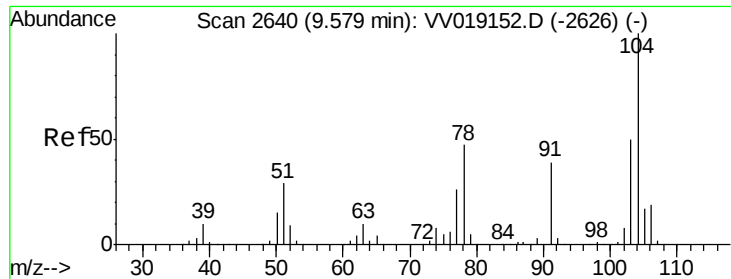
#54
o-xylene
Concen: 1.816 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019160.D
Acq: 29 Oct 2020 21:12

Tgt Ion:106 Resp: 4819
Ion Ratio Lower Upper
106 100
91 214.0 153.4 285.0



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





#55

Stvrene

Concen: 1.657 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

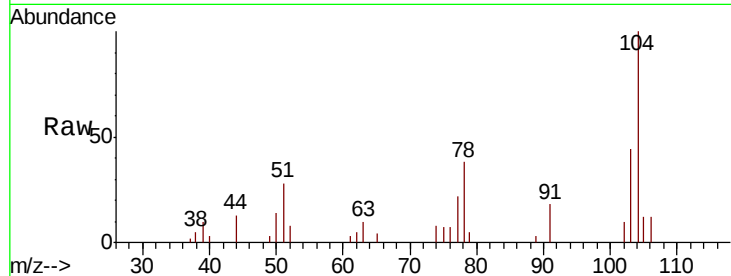
MDL06

Tot Ion:104 Resp: 7792

Ion Ratio Lower Upper

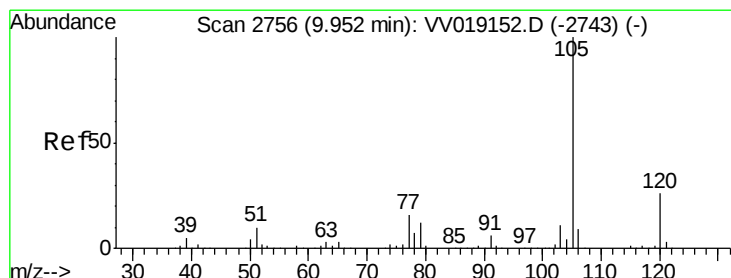
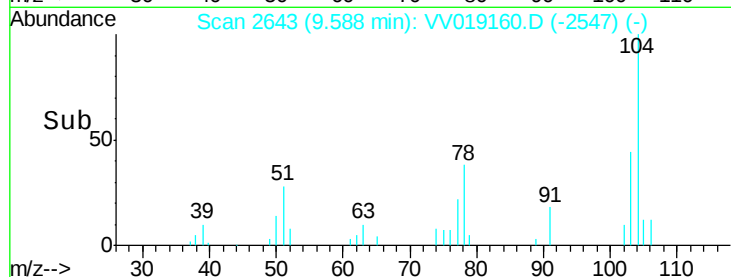
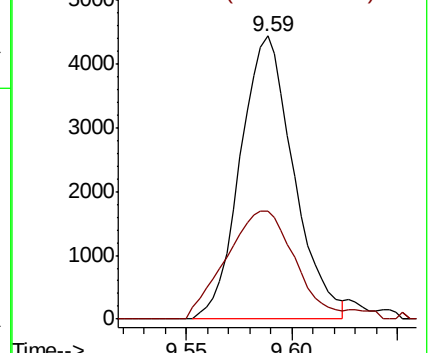
104 100

78 38.1 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 1.624 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

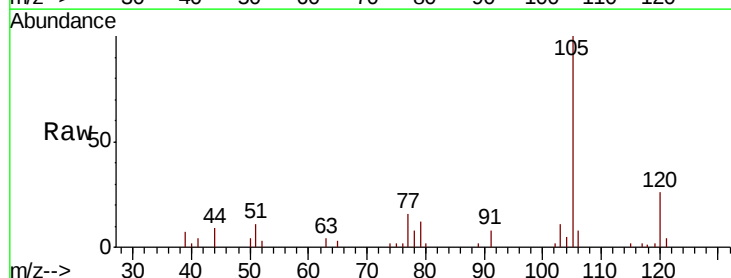
Tgt Ion:105 Resp: 11584

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

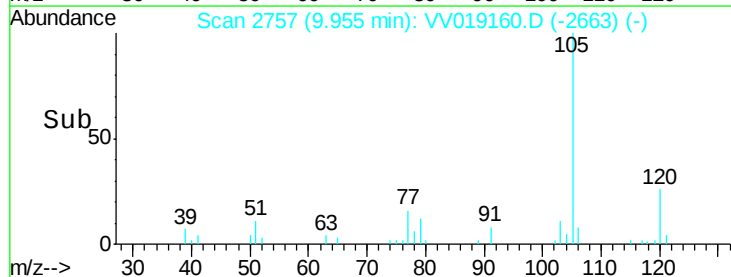
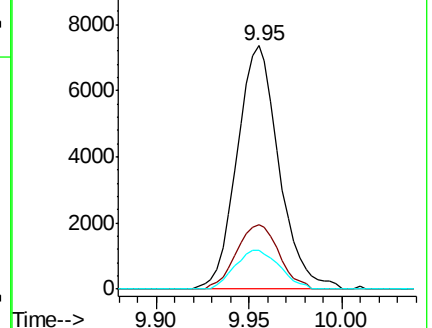
77 17.0 13.0 19.4

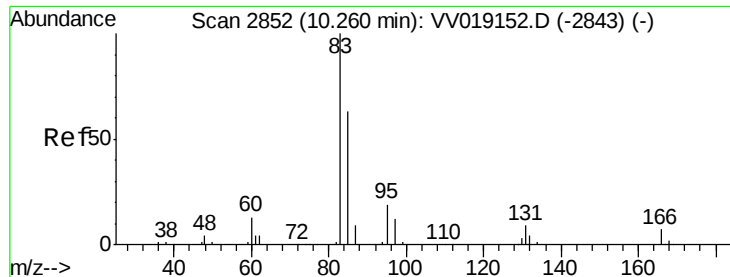


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.302 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

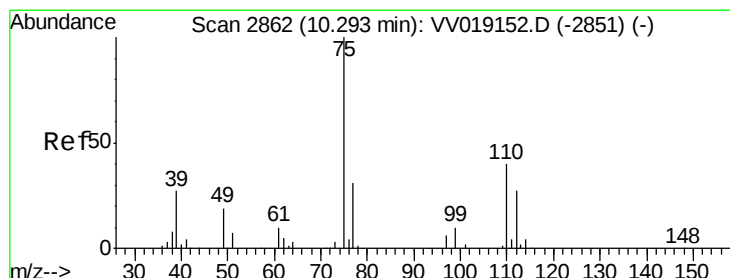
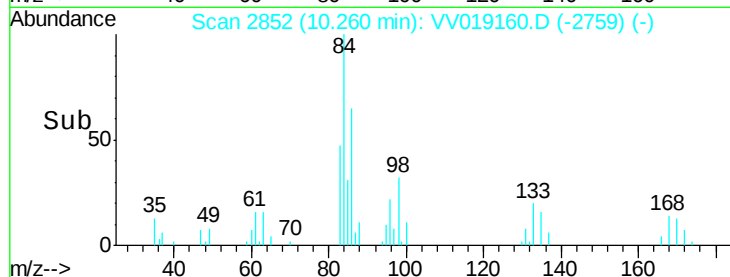
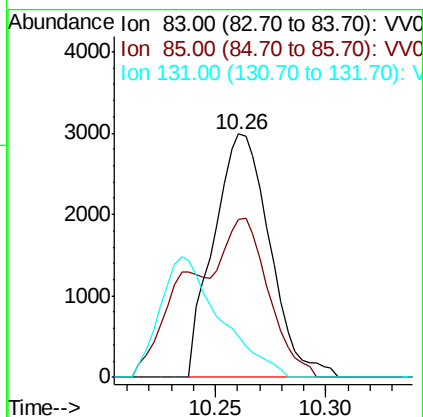
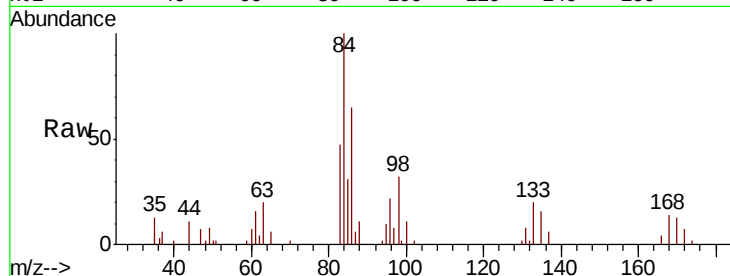
Tot Ion: 83 Resp: 5288

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.0

131 16.9 8.9 13.3#



#59

1,2,3-Trichloropropane

Concen: 2.132 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019160.D

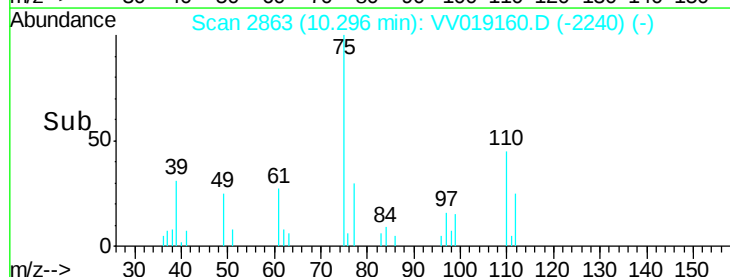
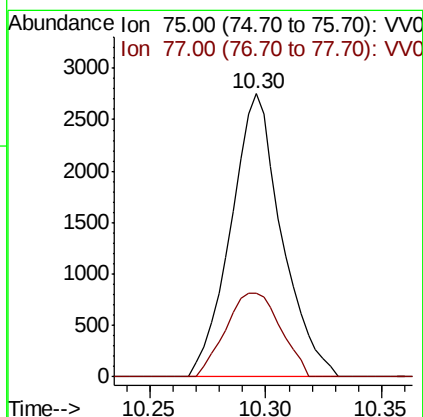
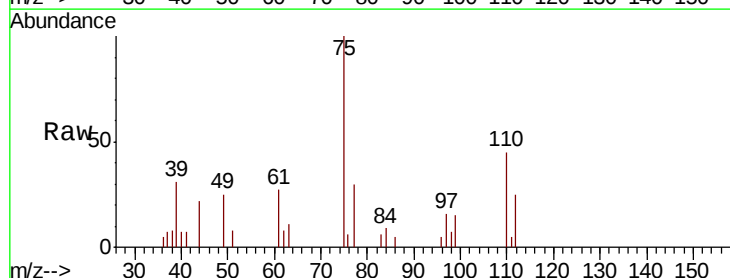
Acq: 29 Oct 2020 21:12

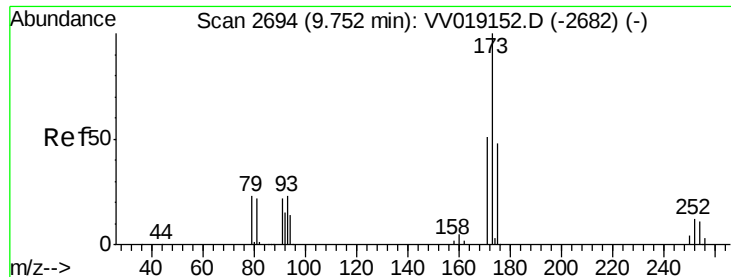
Tgt Ion: 75 Resp: 4192

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4





#61

Bromoform

Concen: 2.141 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

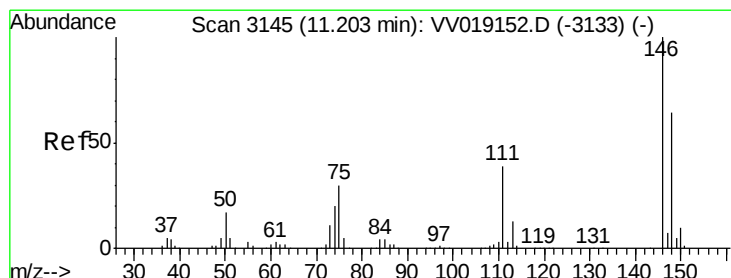
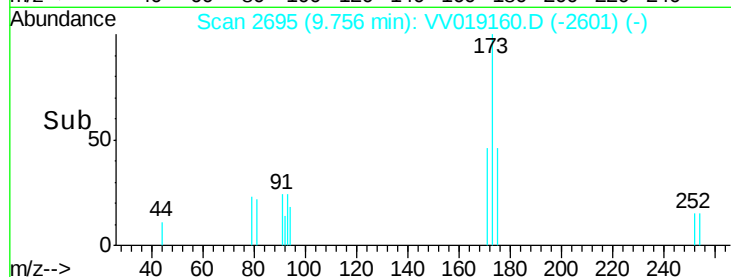
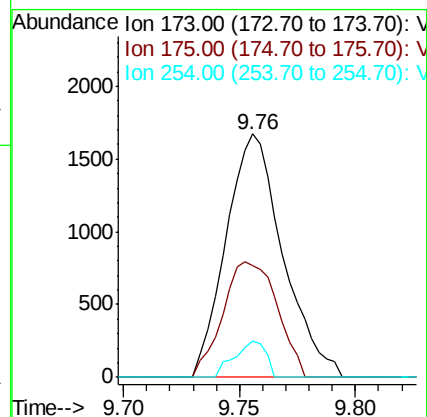
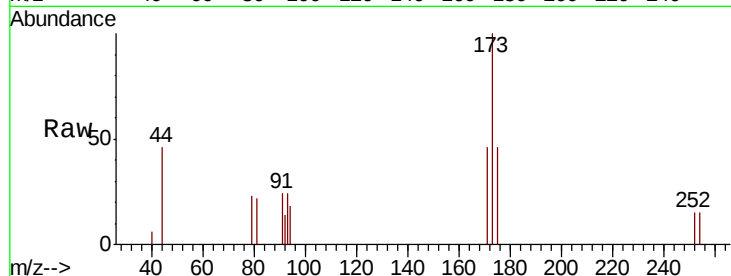
Tot Ion:173 Resp: 2849

Ion Ratio Lower Upper

173 100

175 45.3 39.8 59.6

254 8.1 9.7 14.5#



#62

1,3-Dichlorobenzene

Concen: 1.963 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

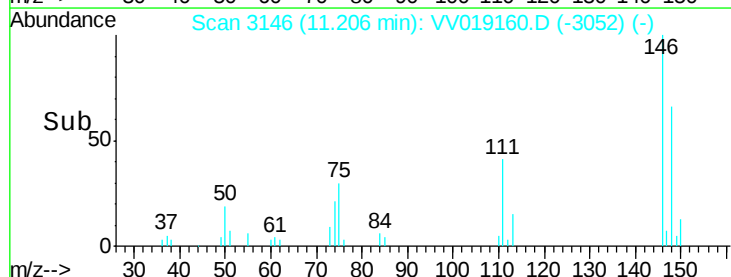
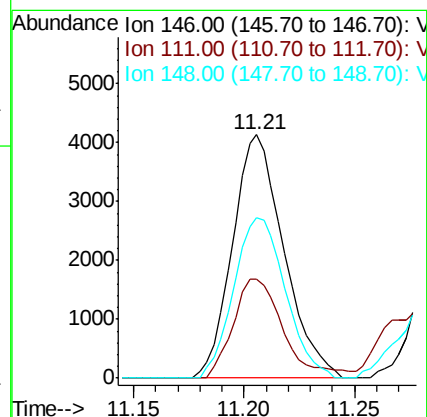
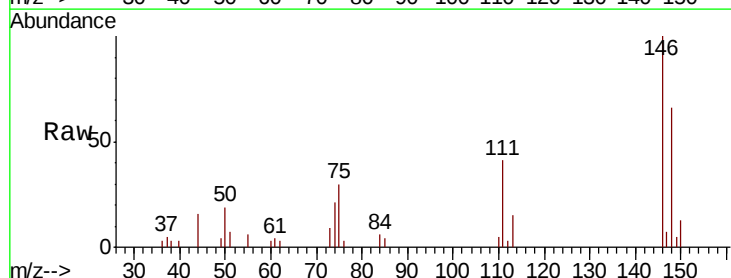
Tgt Ion:146 Resp: 6677

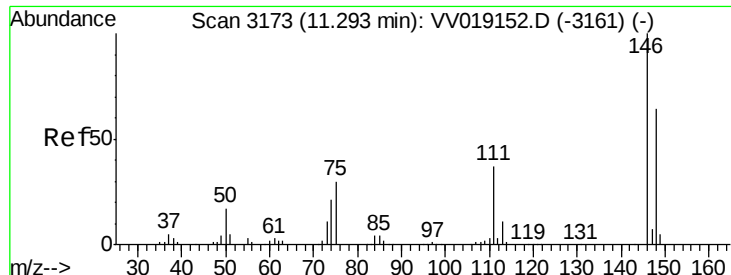
Ion Ratio Lower Upper

146 100

111 40.6 27.1 50.3

148 66.0 44.7 83.1





#63

1,4-Dichlorobenzene

Concen: 2.197 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampled :

MDL06

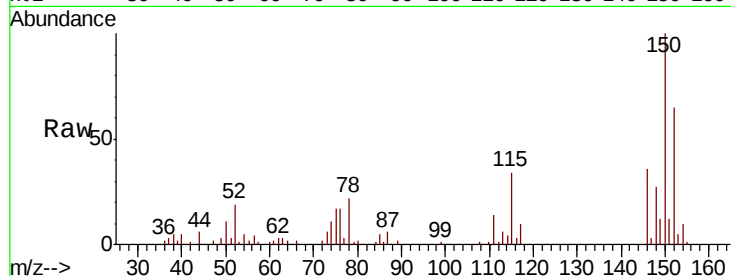
Tot Ion:146 Resp: 7767

Ion Ratio Lower Upper

146 100

111 39.5 25.8 48.0

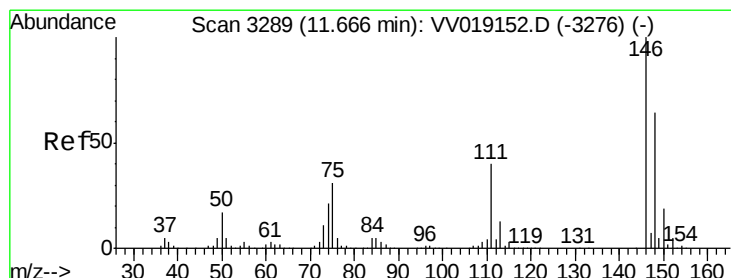
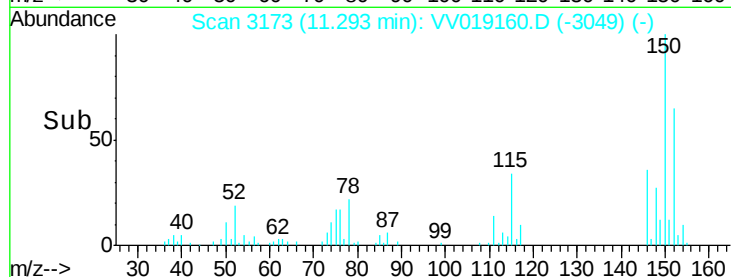
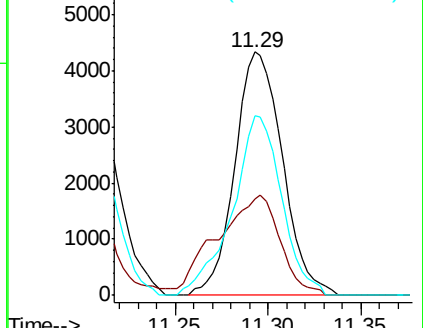
148 73.6 44.0 81.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.266 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

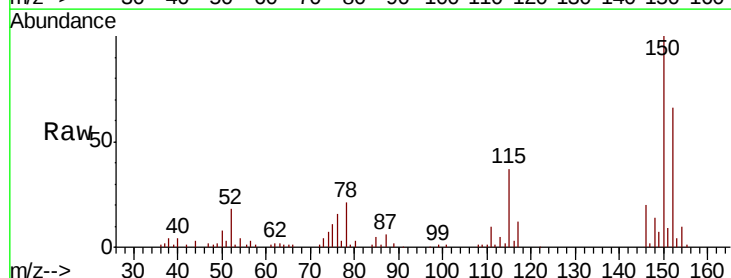
Tgt Ion:146 Resp: 7637

Ion Ratio Lower Upper

146 100

111 49.1 32.2 48.4#

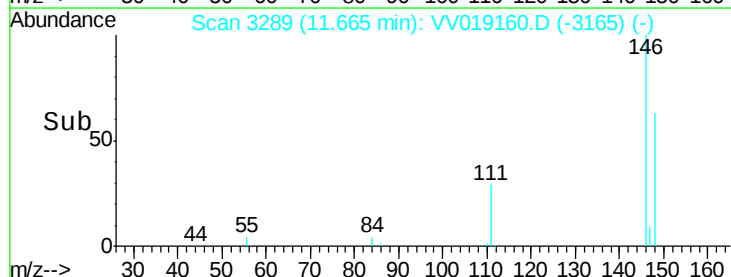
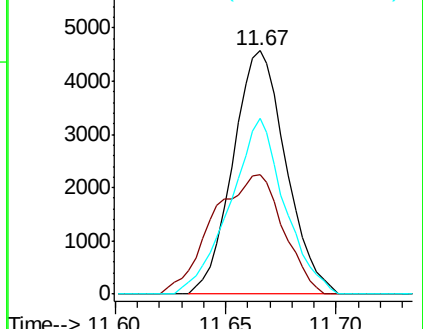
148 72.0 50.8 76.2

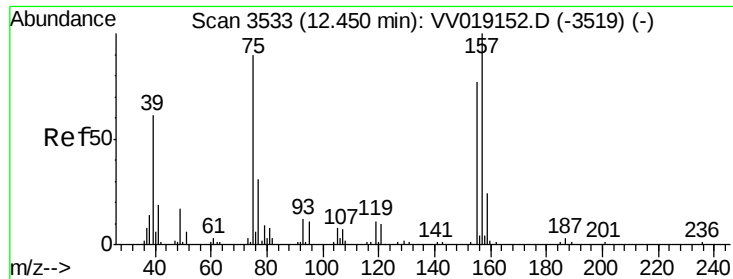


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 1.774 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Instrument :

MSVOA_V

ClientSampleId :

MDL06

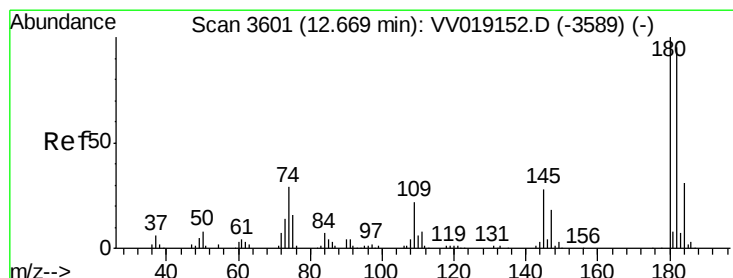
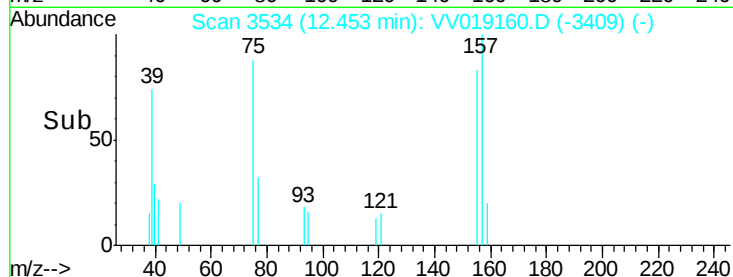
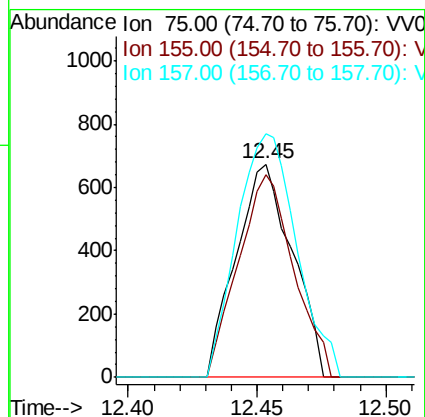
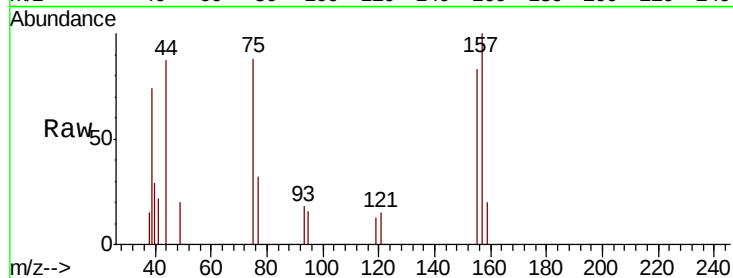
Tot Ion: 75 Resp: 1023

Ion Ratio Lower Upper

75 100

155 95.1 71.1 106.7

157 114.3 90.5 135.7



#67

1,3,5-Trichlorobenzene

Concen: 1.962 ug/L

RT: 12.67 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VV019160.D

Acq: 29 Oct 2020 21:12

Tgt Ion: 180 Resp: 4913

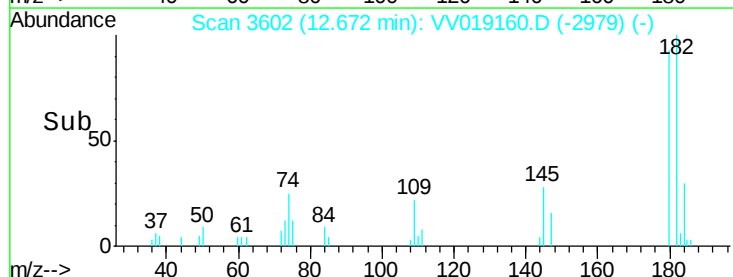
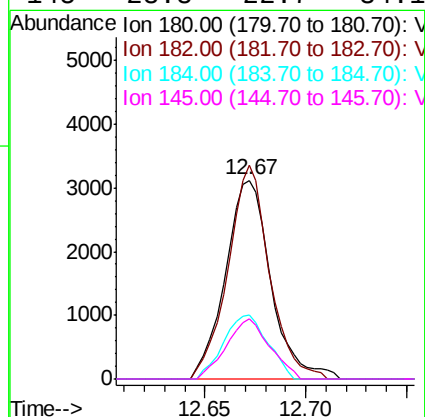
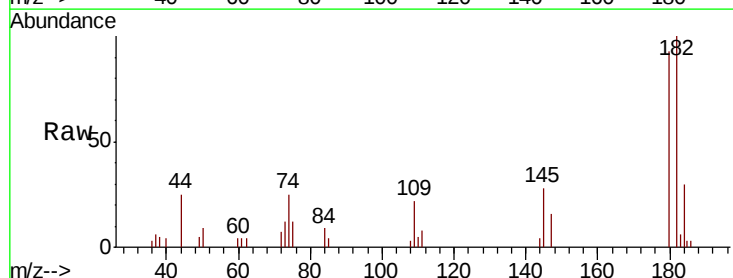
Ion Ratio Lower Upper

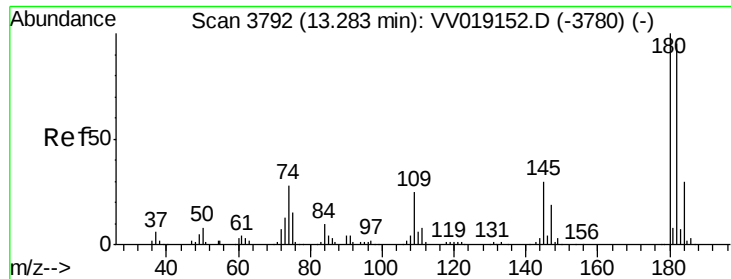
180 100

182 98.2 76.1 114.1

184 31.3 24.5 36.7

145 28.8 22.7 34.1

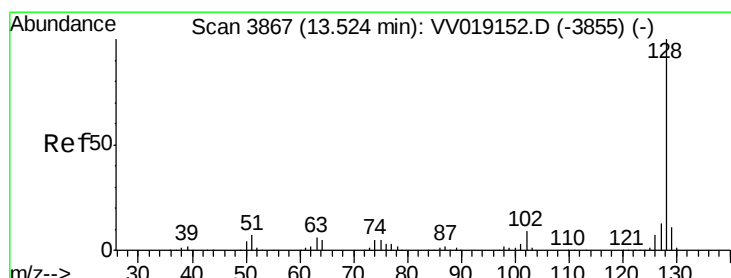
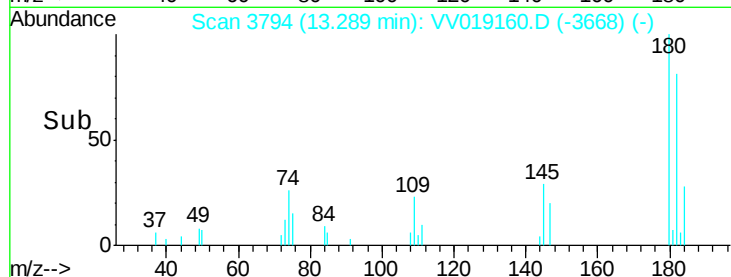
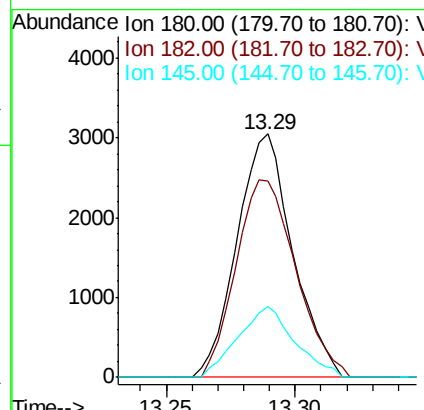
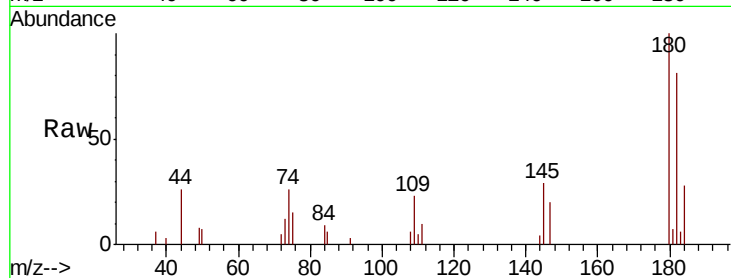




#68
 1,2,4-trichlorobenzene
 Concen: 1.960 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

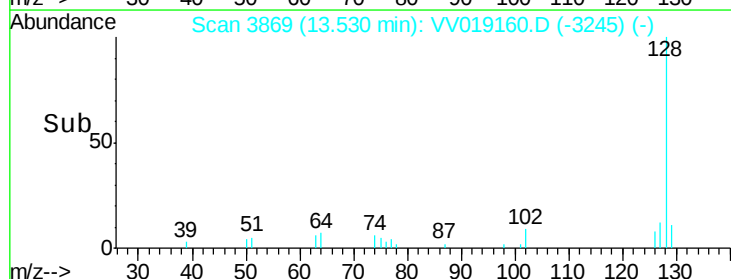
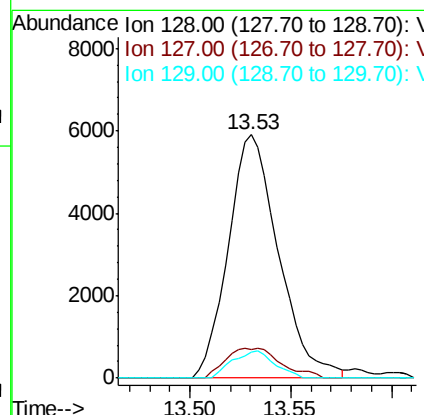
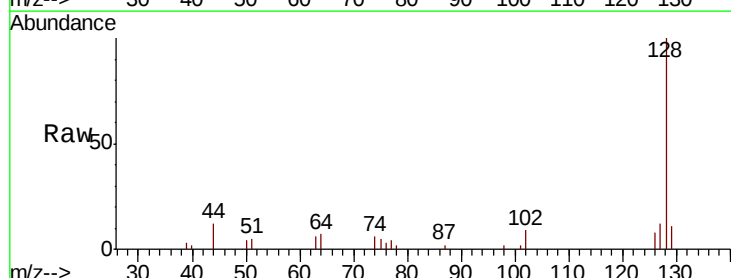
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

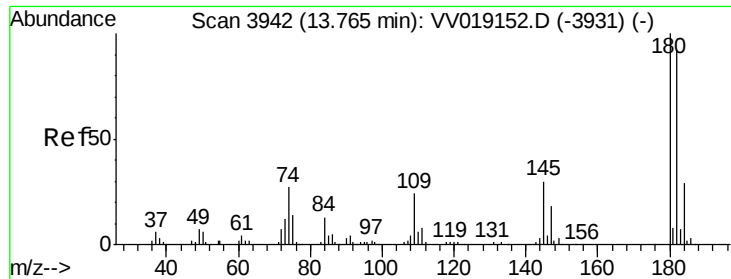
Tot Ion:180 Resp: 4599
 Ion Ratio Lower Upper
 180 100
 182 87.1 75.8 113.6
 145 29.6 22.6 34.0



#69
 Naphthalene
 Concen: 1.563 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

Tgt Ion:128 Resp: 10270
 Ion Ratio Lower Upper
 128 100
 127 6.7 10.8 16.2#
 129 9.3 8.6 13.0

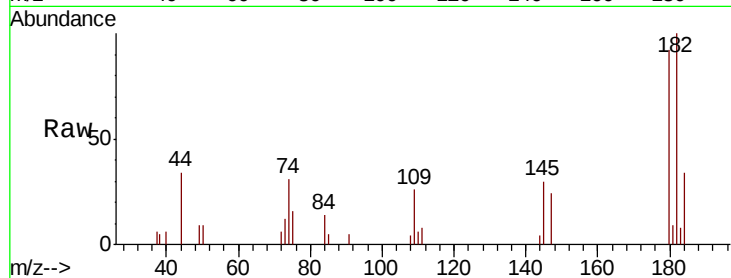




#70
 1,2,3-Trichlorobenzene
 Concen: 1.729 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV019160.D
 Acq: 29 Oct 2020 21:12

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion:180 Resp: 3969
 Ion Ratio Lower Upper
 180 100
 182 110.3 76.2 114.4
 145 33.0 25.1 37.7



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

