

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019161.D
 Acq On : 29 Oct 2020 21:35
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0ml/100uL/5.0ml/MSVOA-V/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Quant Time: Oct 30 05:46:09 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	219447	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	211618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	106006	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83723	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.02%
7) Chloroethane-d5	1.58	69	67990	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.38%
11) 1,1-Dichloroethene-d2	2.12	63	123875	37.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.68%
21) 2-Butanone-d5	3.91	46	116527	109.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.09%
24) Chloroform-d	4.38	84	163499	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.06	65	119903	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
32) Benzene-d6	5.07	84	311750	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.09	67	94935	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.08%
41) Toluene-d8	7.34	98	280984	48.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.46%
43) trans-1,3-Dichloropropene-	7.64	79	52056	50.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.52%
47) 2-Hexanone-d5	8.11	63	81391	105.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126223	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	117381	52.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3712	1.926	ug/L	99
3) Chloromethane	1.25	50	3626	2.072	ug/L	89
5) Vinyl chloride	1.32	62	3775	2.107	ug/L #	41
6) Bromomethane	1.53	94	2636	2.197	ug/L	99
8) Chloroethane	1.60	64	2625	2.357	ug/L	96
9) Trichlorofluoromethane	1.77	101	5749	1.925	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3520	2.450	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	3606	2.562	ug/L #	1
13) Acetone	2.20	43	3909	3.939	ug/L	92
14) Carbon disulfide	2.31	76	8772	1.961	ug/L	95
15) Methyl Acetate	2.46	43	3365	2.104	ug/L	98
16) Methylene chloride	2.52	84	3979	2.490	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3143	2.079	ug/L	94
18) Methyl tert-butyl Ether	2.78	73	10265	2.028	ug/L	99
19) 1,1-Dichloroethane	3.22	63	6063	2.153	ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	1511	0.911	ug/L	77
23) Bromochloromethane	4.28	128	1730	1.943	ug/L	92

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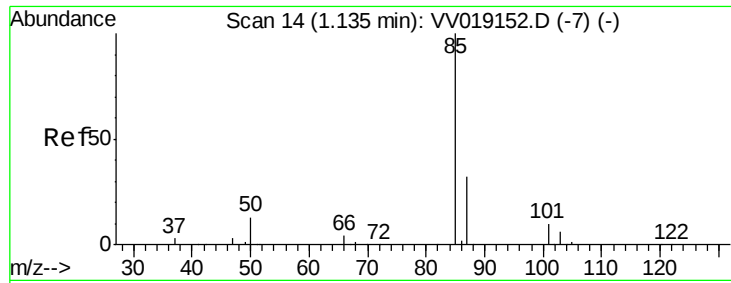
Instrument :
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	7887	2.592	ug/L	99
27) 1,2-Dichloroethane	5.16	62	2530	0.977	ug/L	100
29) Cyclohexane	4.70	56	3637	1.539	ug/L #	81
30) 1,1,1-Trichloroethane	4.64	97	5535	1.930	ug/L	98
31) Carbon tetrachloride	4.86	117	4723	1.857	ug/L	97
33) Benzene	5.13	78	12438	2.039	ug/L	100
34) Trichloroethene	5.95	95	1815	1.086	ug/L	85
37) 1,2-Dichloropropane	6.21	63	3380	2.231	ug/L #	89
38) Bromodichloromethane	6.54	83	4850	2.152	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	4890	1.954	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	8580	4.105	ug/L	96
42) Toluene	7.41	91	16876	2.523	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	4954	1.903	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	3305	2.175	ug/L	91
46) Tetrachloroethene	8.00	164	2534	1.775	ug/L	91
48) 2-Hexanone	8.16	43	8456	5.090	ug/L	93
49) Dibromochloromethane	8.27	129	3686	2.003	ug/L	86
50) 1,2-Dibromoethane	8.38	107	3306	2.039	ug/L #	98
51) Chlorobenzene	8.90	112	8536	1.947	ug/L	98
52) Ethylbenzene	9.04	91	13200	1.791	ug/L	100
53) m,p-Xylene	9.17	106	5143	1.847	ug/L	87
54) o-xylene	9.57	106	4535	1.697	ug/L	84
55) Styrene	9.59	104	7348	1.551	ug/L	100
56) Isopropylbenzene	9.95	105	11380	1.584	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	5422	2.343	ug/L #	90
59) 1,2,3-Trichloropropane	11.27	75	13437	6.783	ug/L	98
61) Bromoform	9.76	173	2802	2.143	ug/L #	91
62) 1,3-Dichlorobenzene	11.21	146	6661	1.992	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	7520	2.164	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	7231	2.183	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	1288	2.273	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	4819	1.958	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4182	1.813	ug/L	96
69) Naphthalene	13.53	128	9439	1.461	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4134	1.832	ug/L	93

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

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#2

Dichlorodifluoromethane

Concen: 1.926 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

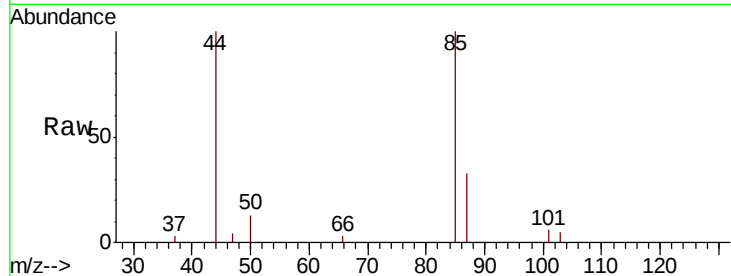
MDL07

Tot Ion: 85 Resp: 3712

Ion Ratio Lower Upper

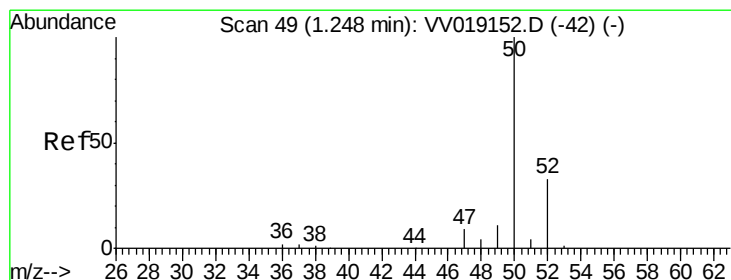
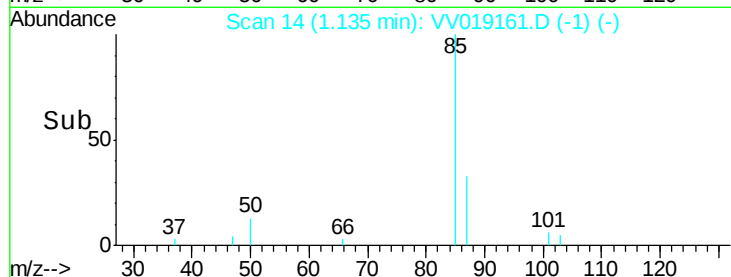
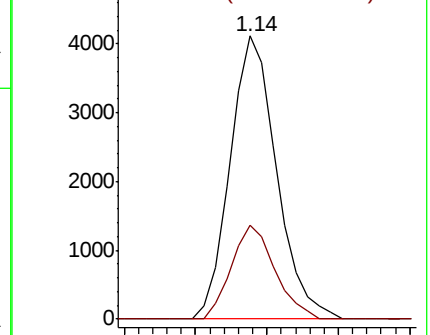
85 100

87 31.3 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: 2.072 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019161.D

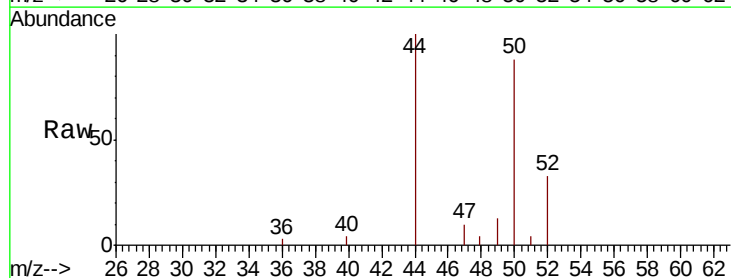
Acq: 29 Oct 2020 21:35

Tgt Ion: 50 Resp: 3626

Ion Ratio Lower Upper

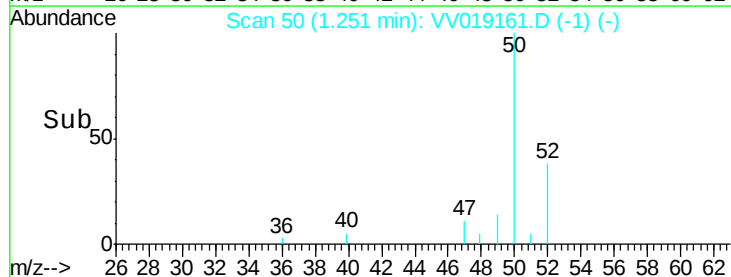
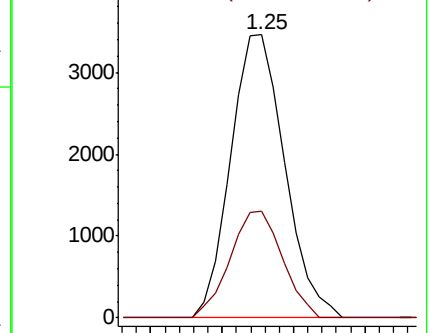
50 100

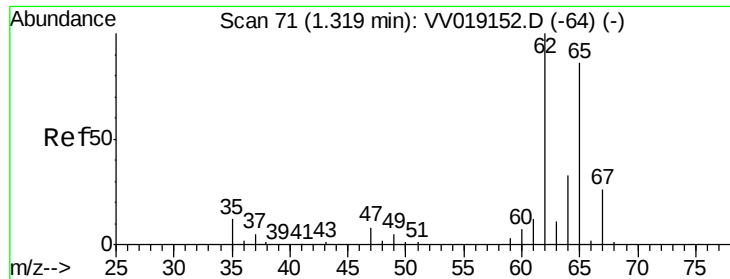
52 37.5 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.107 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

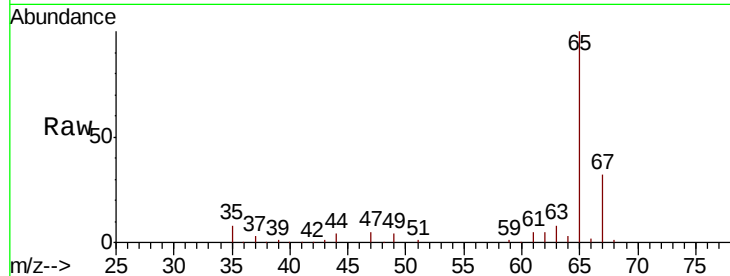
MDL07

Tot Ion: 62 Resp: 3775

Ion Ratio Lower Upper

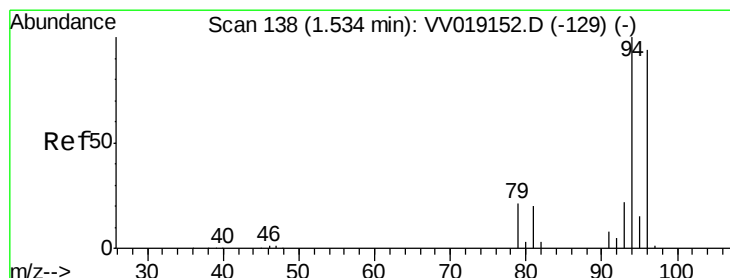
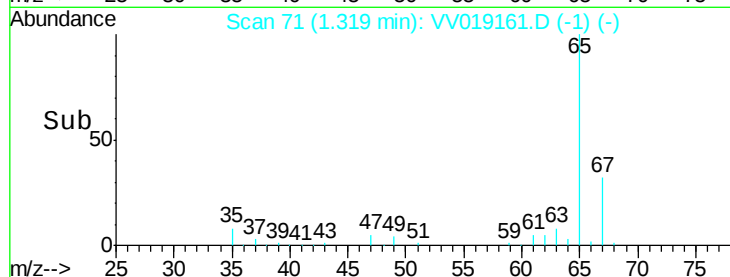
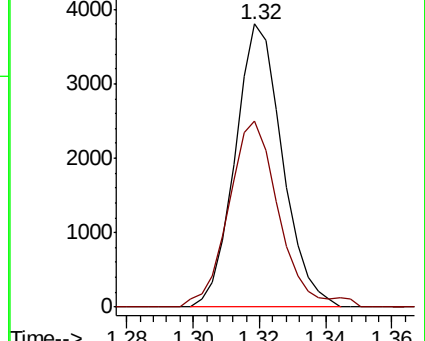
62 100

64 65.8 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: 2.197 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019161.D

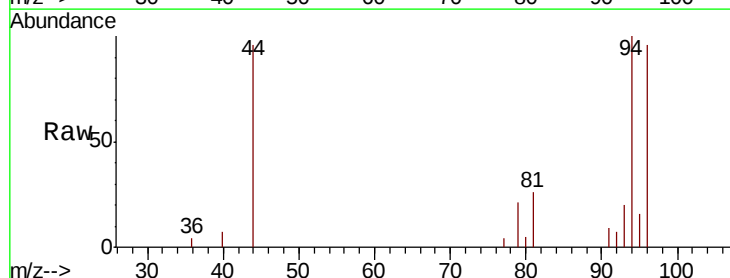
Acq: 29 Oct 2020 21:35

Tgt Ion: 94 Resp: 2636

Ion Ratio Lower Upper

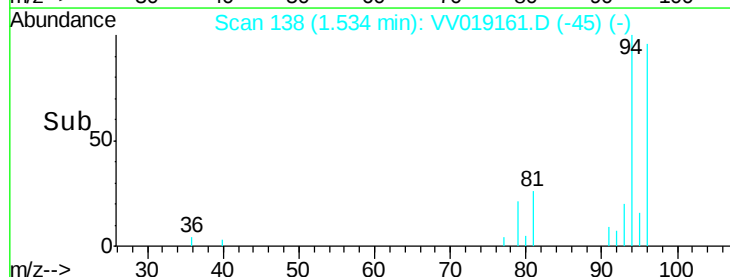
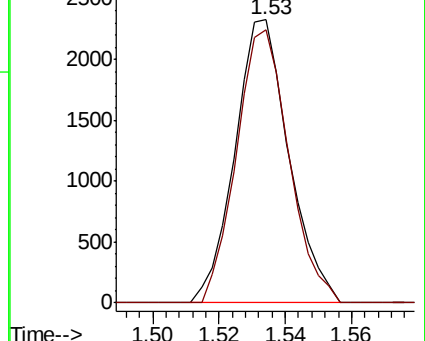
94 100

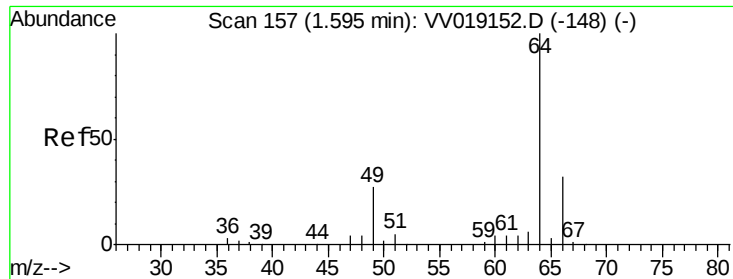
96 96.4 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.357 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

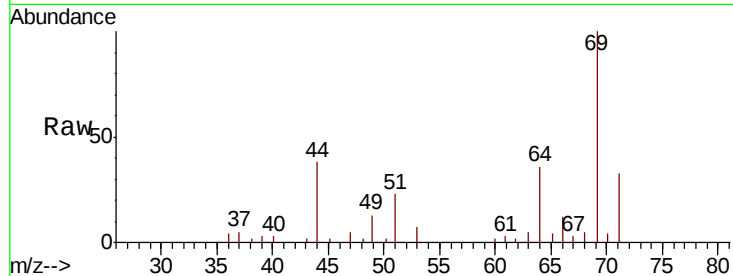
MDL07

Tot Ion: 64 Resp: 2625

Ion Ratio Lower Upper

64 100

66 33.9 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

2500

2000

1500

1000

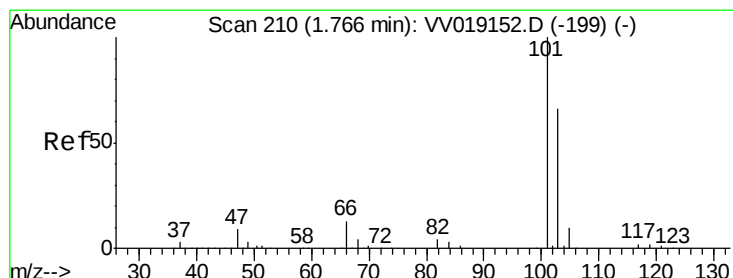
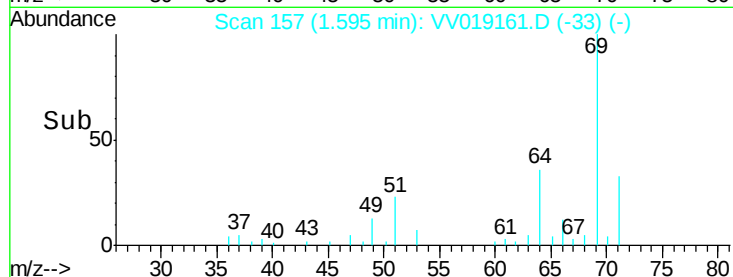
500

0

1.55

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 1.925 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019161.D

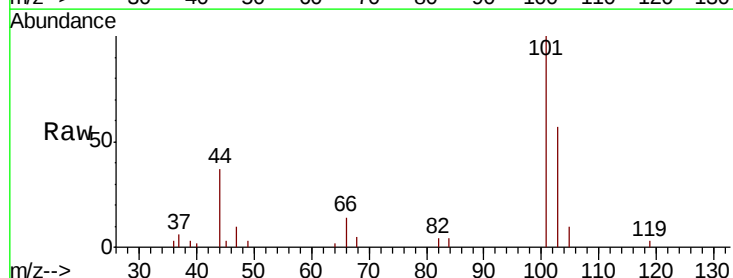
Acq: 29 Oct 2020 21:35

Tgt Ion: 101 Resp: 5749

Ion Ratio Lower Upper

101 100

103 58.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

5000

4000

3000

2000

1000

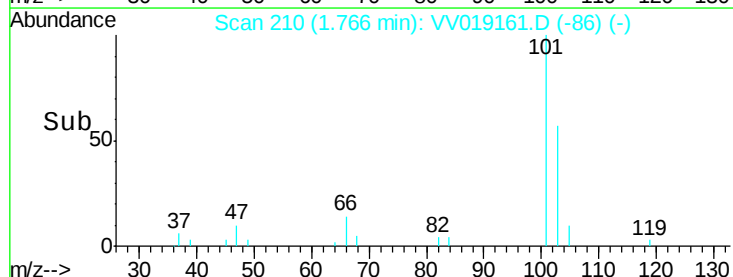
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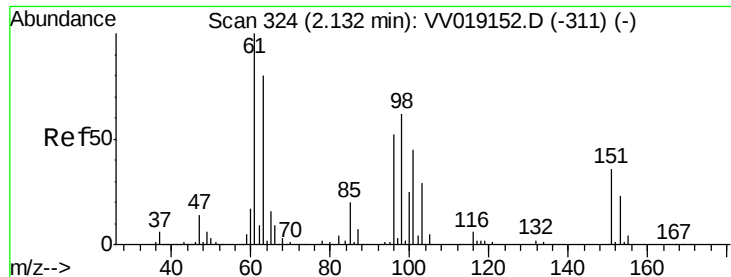
1.75

1.77

1.80

Time-->





#10

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

Concen: 2.450 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

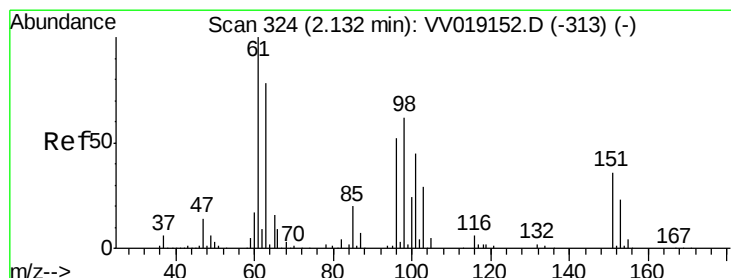
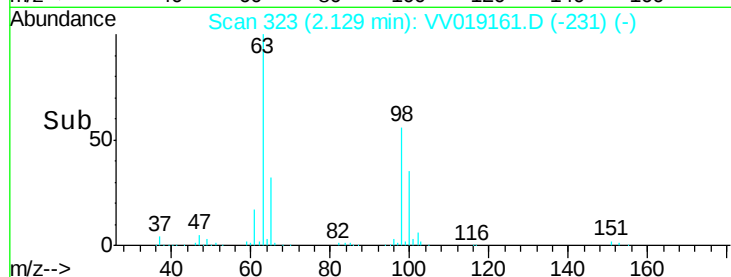
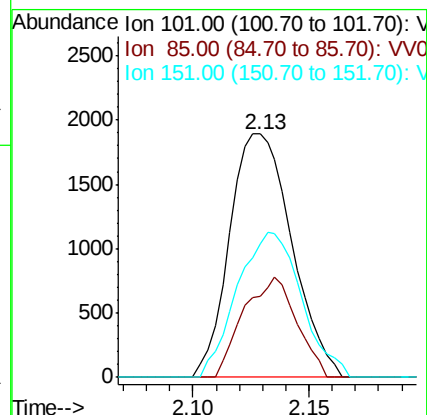
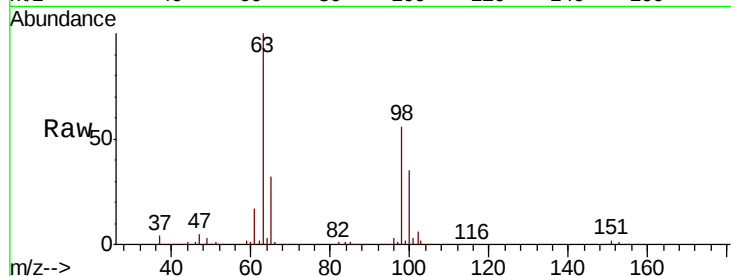
Tot Ion:101 Resp: 3520

Ion Ratio Lower Upper

101 100

85 35.3 36.1 54.1#

151 61.7 65.0 97.4#



#12

1,1-Dichloroethene

Concen: 2.562 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

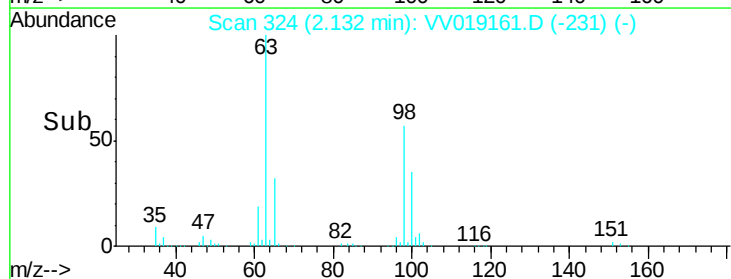
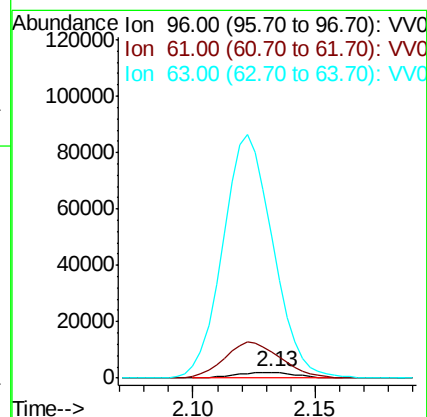
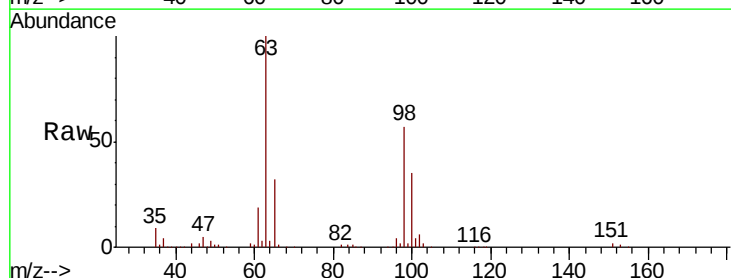
Tgt Ion: 96 Resp: 3606

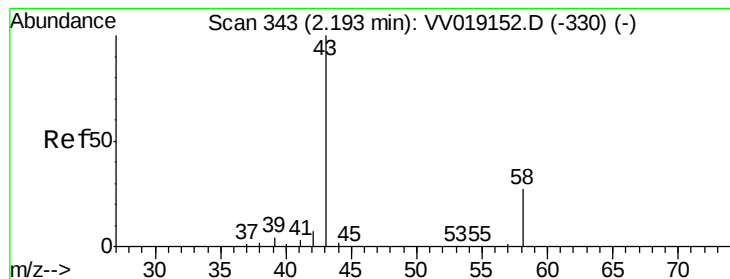
Ion Ratio Lower Upper

96 100

61 432.2 132.6 246.2#

63 2308.3 108.4 201.4#





#13

Acetone

Concen: 3.939 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

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ClientSampleId :

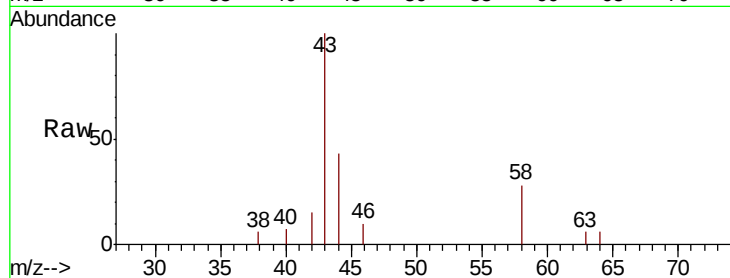
MDL07

Tot Ion: 43 Resp: 3909

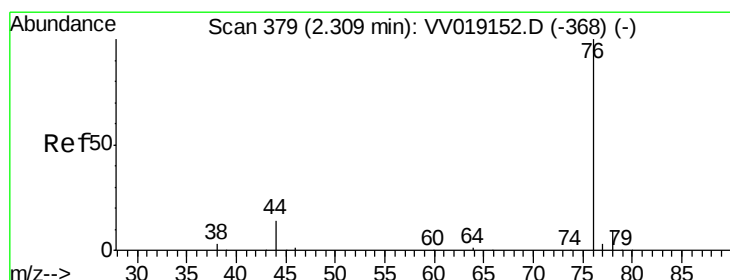
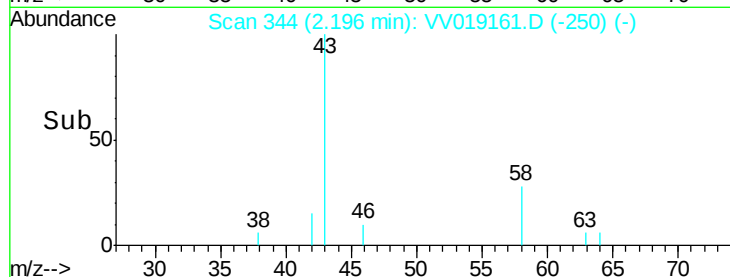
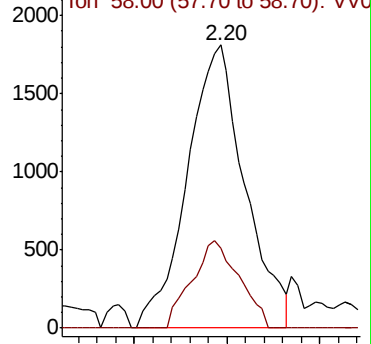
Ion Ratio Lower Upper

43 100

58 25.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019161.D (-250) (-)



#14

Carbon disulfide

Concen: 1.961 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019161.D

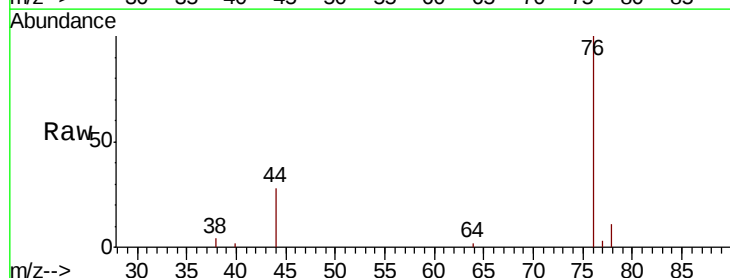
Acq: 29 Oct 2020 21:35

Tgt Ion: 76 Resp: 8772

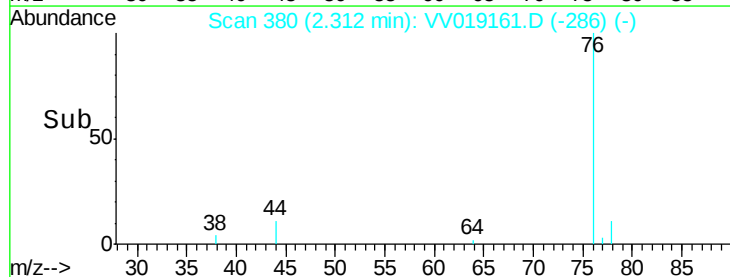
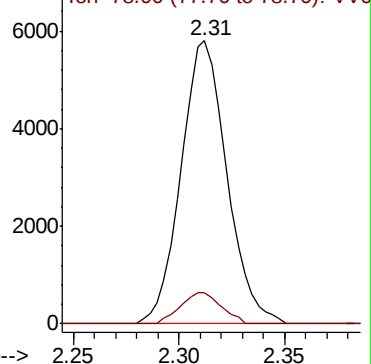
Ion Ratio Lower Upper

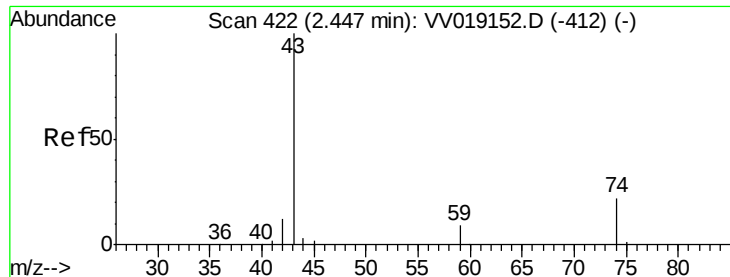
76 100

78 10.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019161.D (-286) (-)

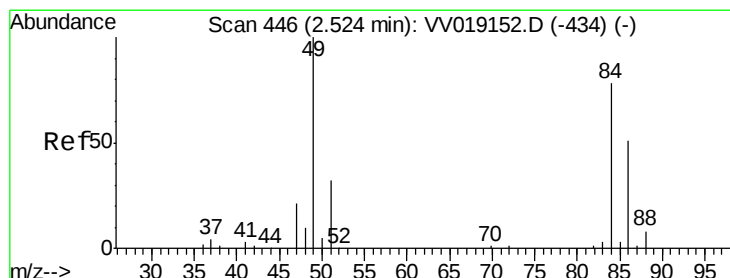
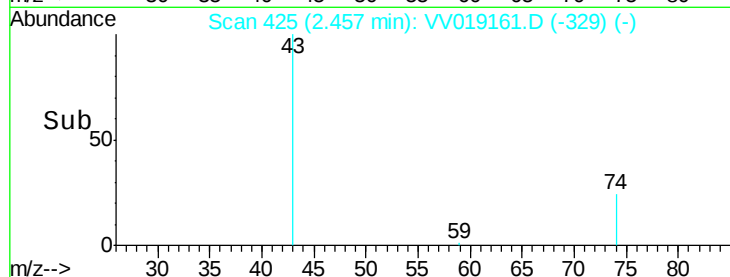
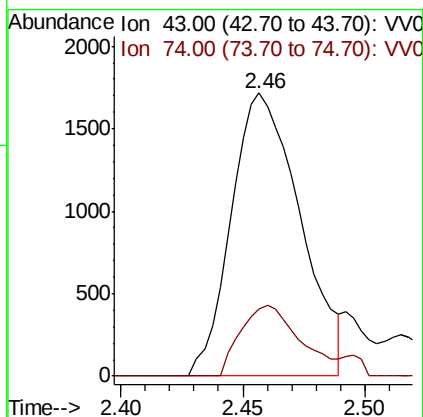
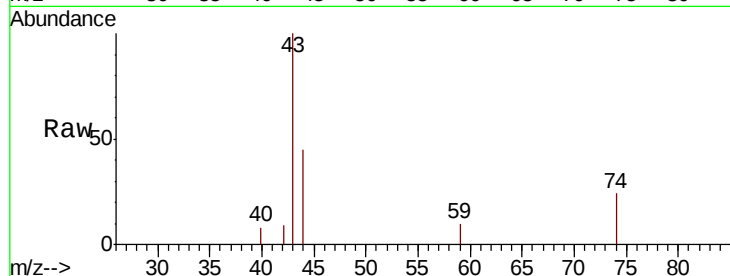




#15
Methvl Acetate
Concen: 2.104 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

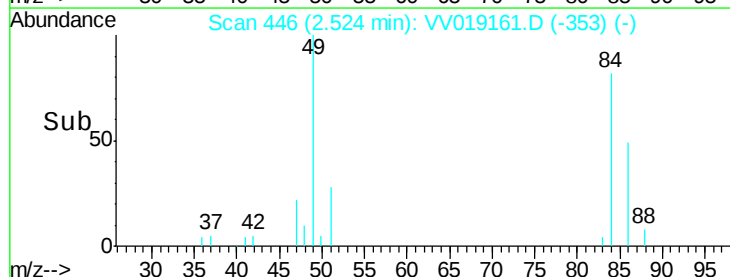
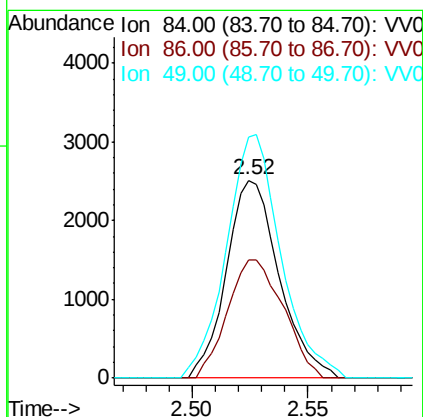
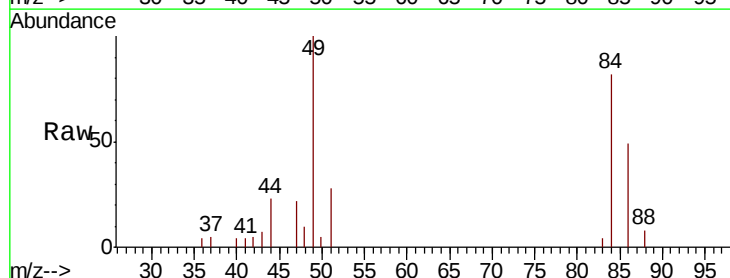
Instrument :
MSVOA_V
ClientSampleId :
MDL07

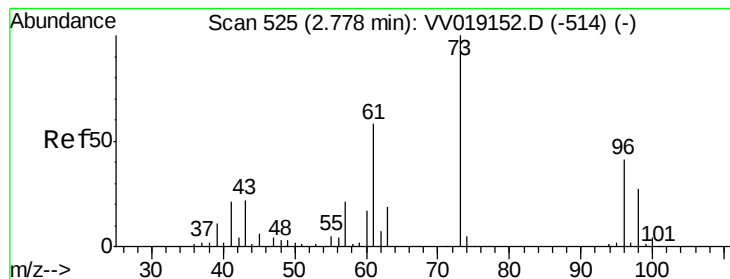
Tot Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#16
Methylene chloride
Concen: 2.490 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Tgt Ion: 84 Resp: 3979
Ion Ratio Lower Upper
84 100
86 59.6 46.0 85.4
49 121.9 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.079 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

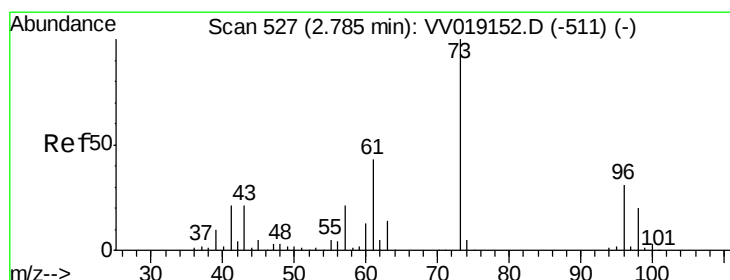
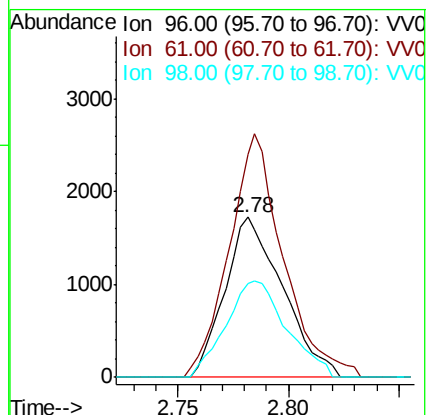
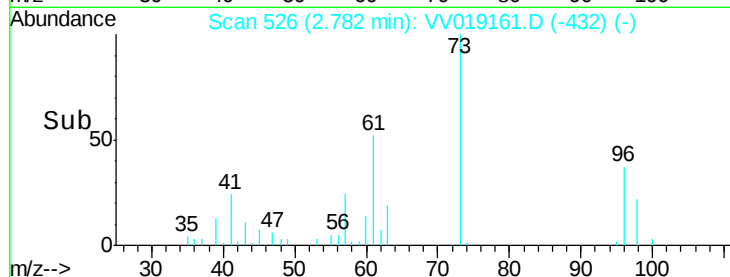
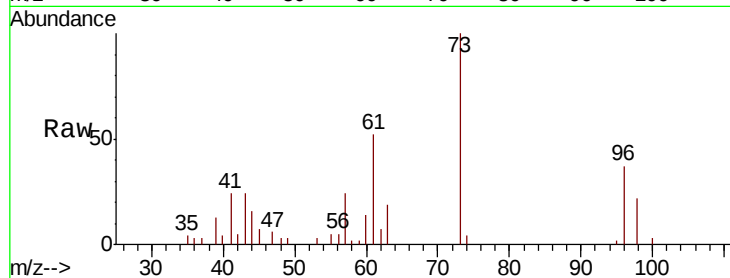
Tot Ion: 96 Resp: 3143

Ion Ratio Lower Upper

96 100

61 139.5 102.4 190.2

98 58.9 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 2.028 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

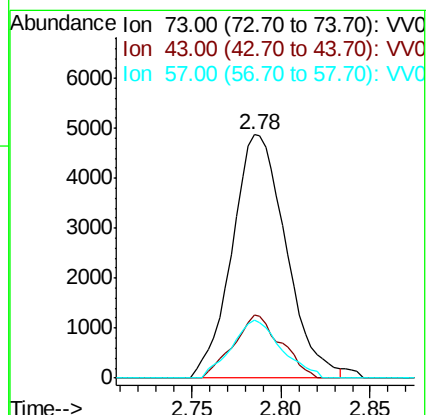
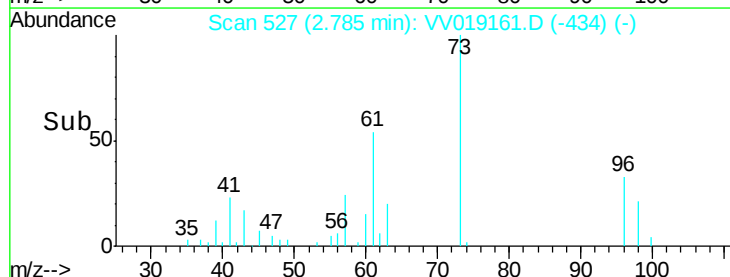
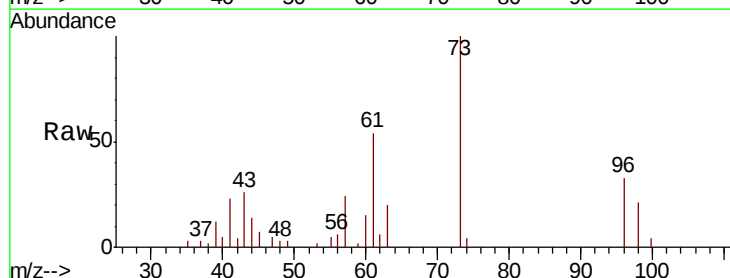
Tgt Ion: 73 Resp: 10265

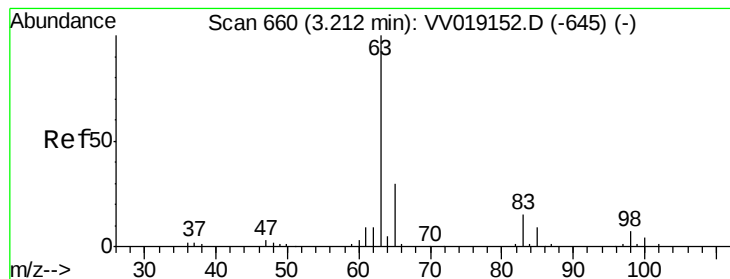
Ion Ratio Lower Upper

73 100

43 22.8 17.9 26.9

57 22.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.153 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

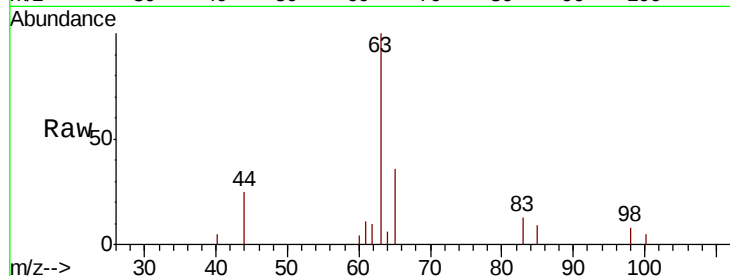
Tot Ion: 63 Resp: 6063

Ion Ratio Lower Upper

63 100

65 36.3 22.0 40.8

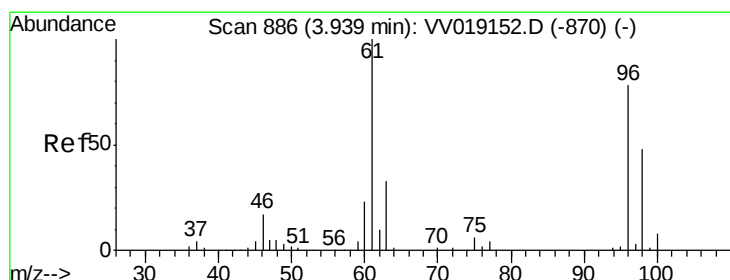
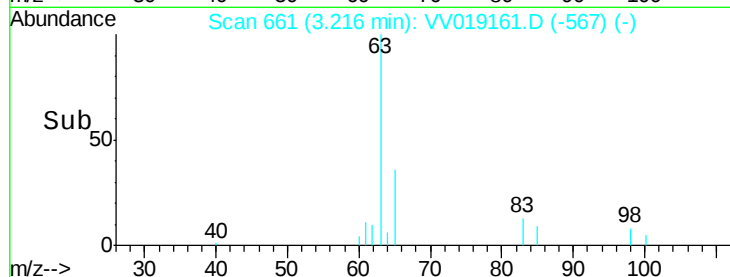
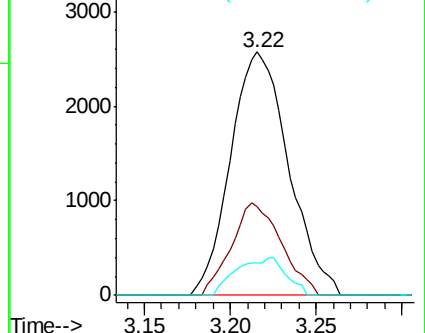
83 13.3 9.6 17.8



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: 0.911 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

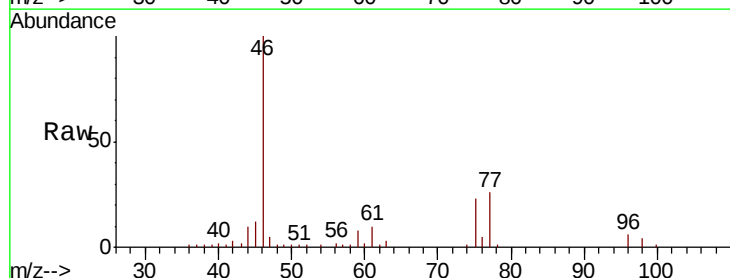
Tgt Ion: 96 Resp: 1511

Ion Ratio Lower Upper

96 100

61 156.1 90.7 168.5

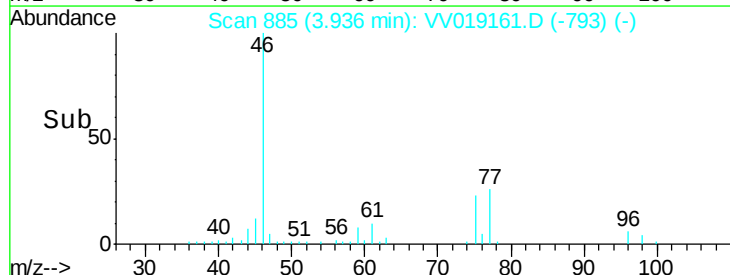
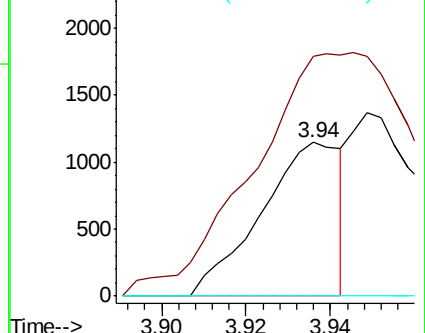
68 0.0 0.0 0.0

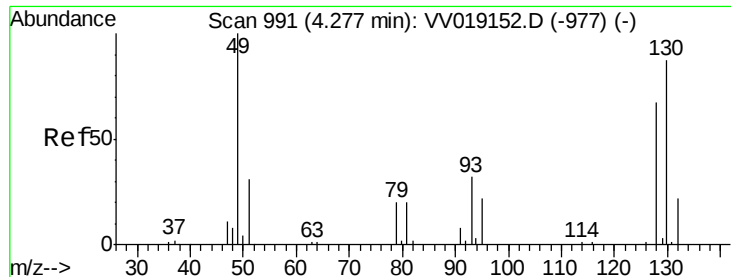


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

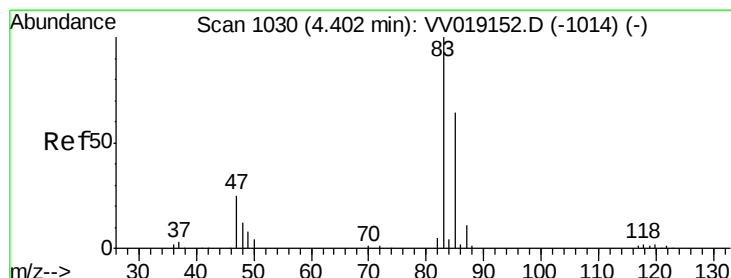
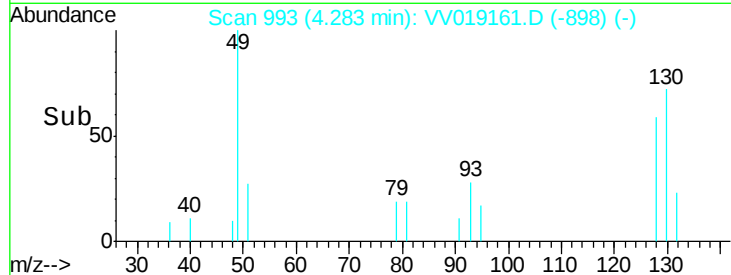
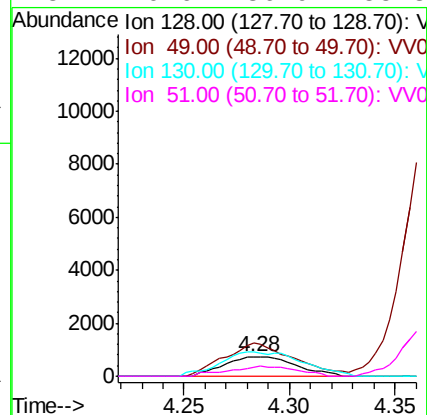
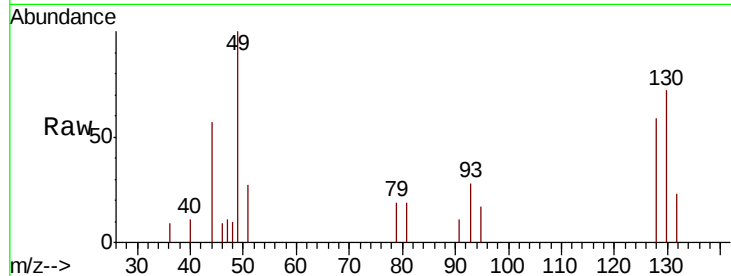




#23
 Bromochloromethane
 Concen: 1.943 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

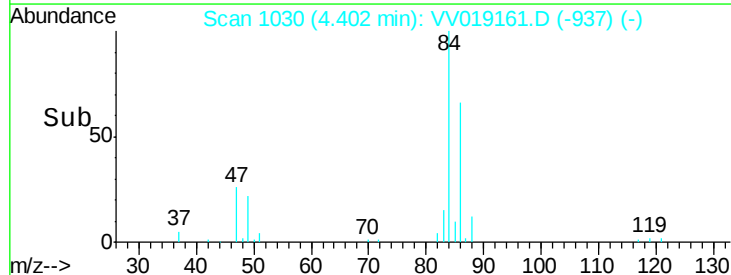
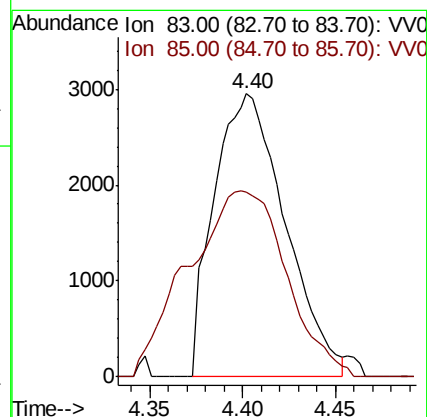
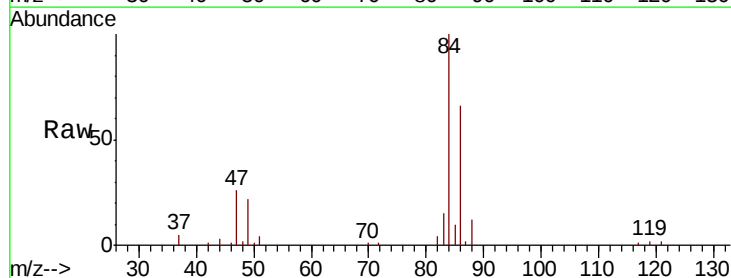
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

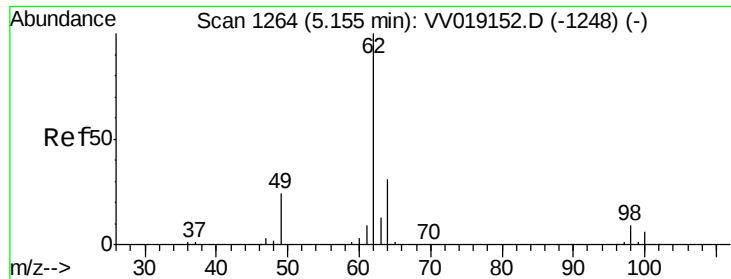
Tot Ion:128 Resp: 1730
 Ion Ratio Lower Upper
 128 100
 49 170.0 108.5 201.5
 130 122.3 90.4 167.8
 51 46.6 36.9 55.3



#25
 Chloroform
 Concen: 2.592 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 83 Resp: 7887
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.1 83.9

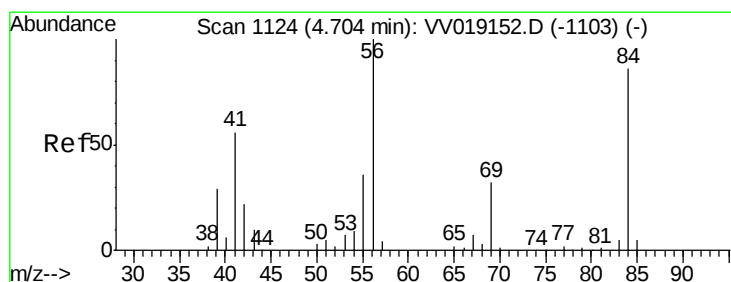
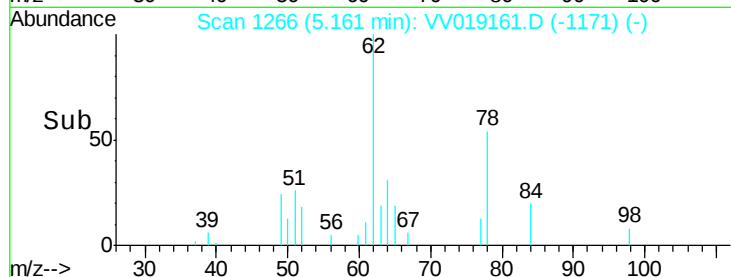
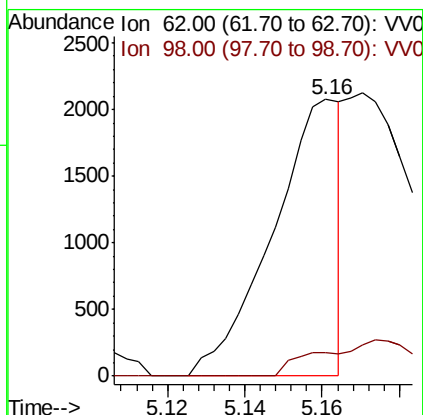
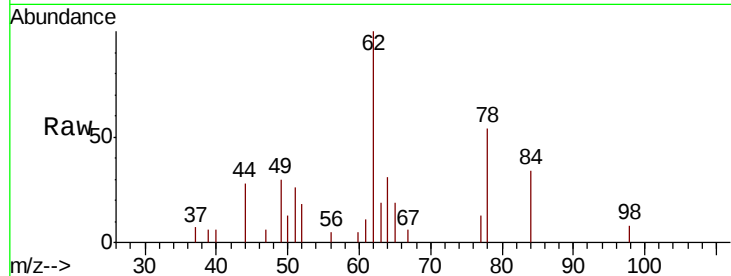




#27
 1,2-Dichloroethane
 Concen: 0.977 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

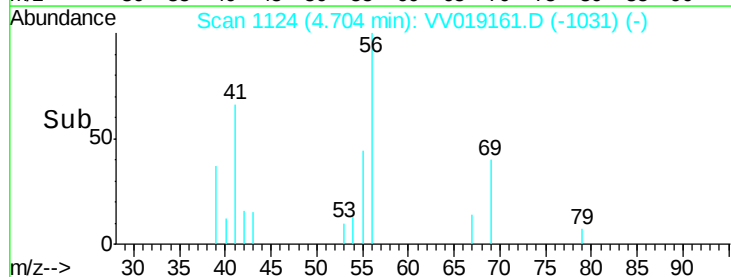
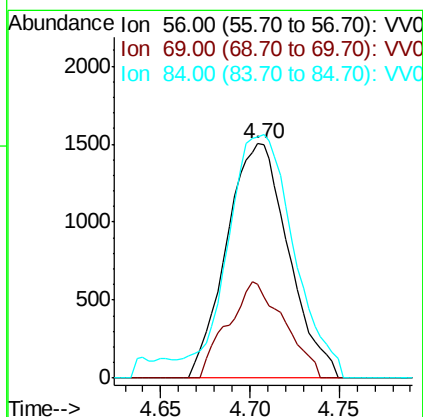
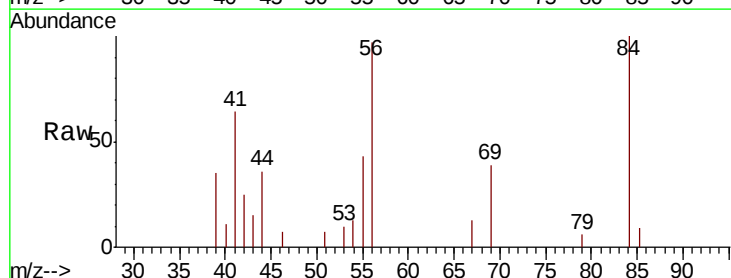
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

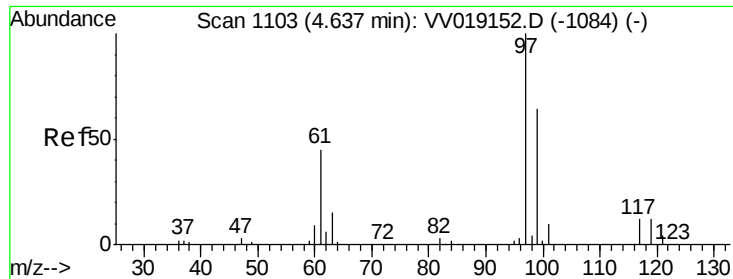
Tot Ion: 62 Resp: 2530
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.8 10.2



#29
 Cyclohexane
 Concen: 1.539 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 56 Resp: 3637
 Ion Ratio Lower Upper
 56 100
 69 37.2 25.0 37.4
 84 109.6 71.5 107.3#

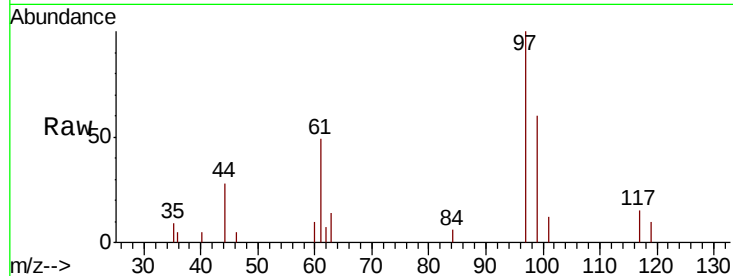




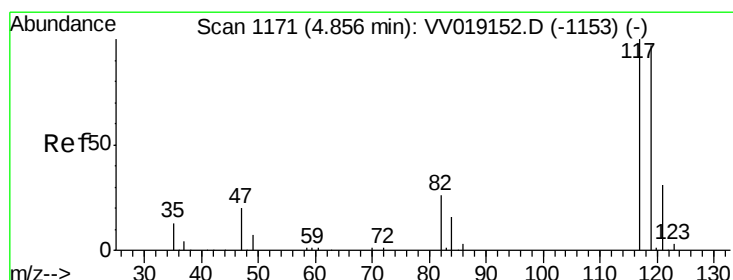
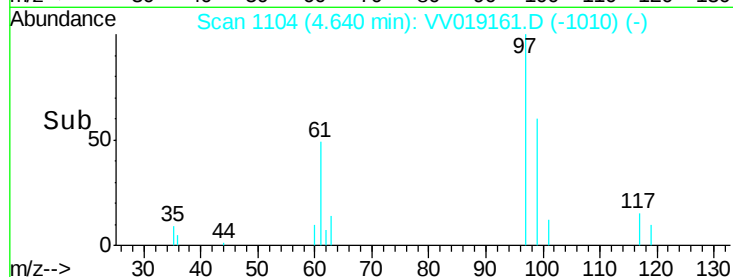
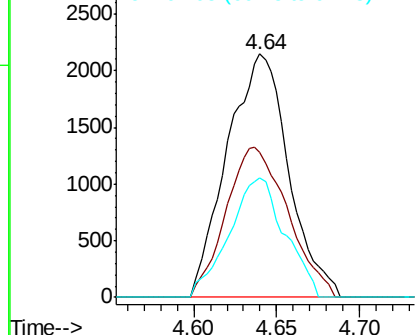
#30
 1,1,1-Trichloroethane
 Concen: 1.930 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 97 Resp: 5535
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.3 76.9
 61 44.4 34.6 52.0

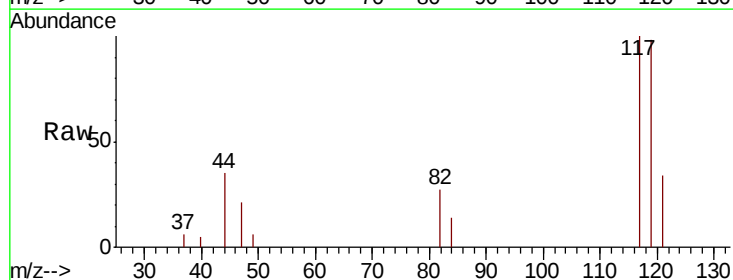


Abundance Ion 97.00 (96.70 to 97.70): VV019161.D (-1010) (-)
 Ion 99.00 (98.70 to 99.70): VV019161.D (-1010) (-)
 Ion 61.05 (60.75 to 61.75): VV019161.D (-1010) (-)

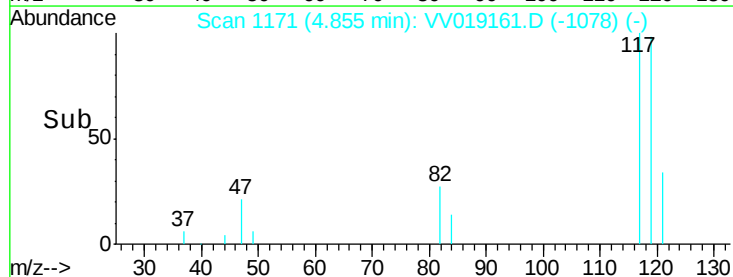
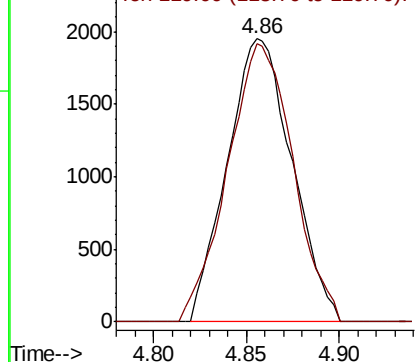


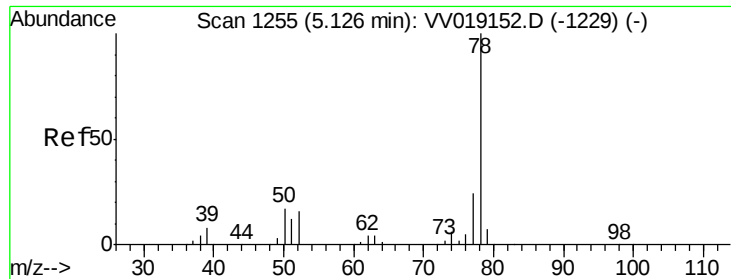
#31
 Carbon tetrachloride
 Concen: 1.857 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 117 Resp: 4723
 Ion Ratio Lower Upper
 117 100
 119 99.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): VV019161.D (-1078) (-)
 Ion 119.00 (118.70 to 119.70): VV019161.D (-1078) (-)





#33

Benzene

Concen: 2.039 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

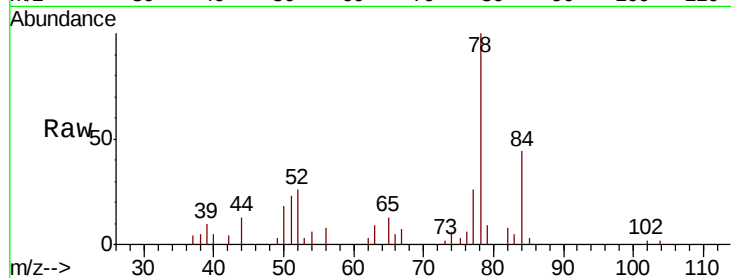
Instrument :

MSVOA_V

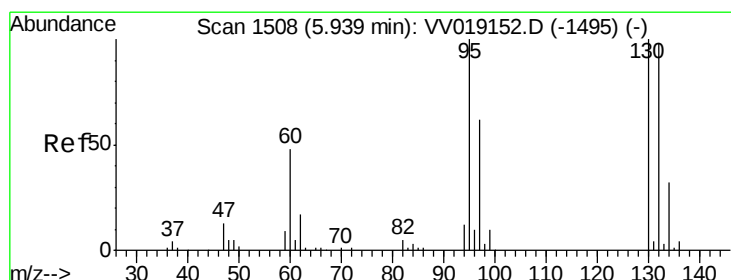
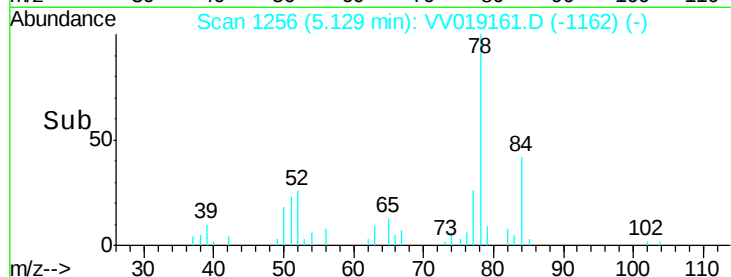
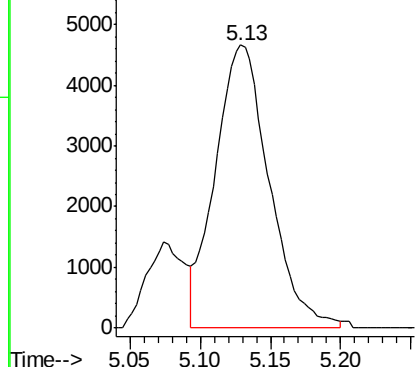
ClientSampled :

MDL07

Tgt Ion: 78 Resp: 12438



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 1.086 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Tgt Ion: 95 Resp: 1815

Ion	Ratio	Lower	Upper
95	100		
97	72.2	43.4	80.6
132	114.2	69.7	129.4
130	120.4	72.4	134.5

95 100

97 72.2 43.4 80.6

132 114.2 69.7 129.4

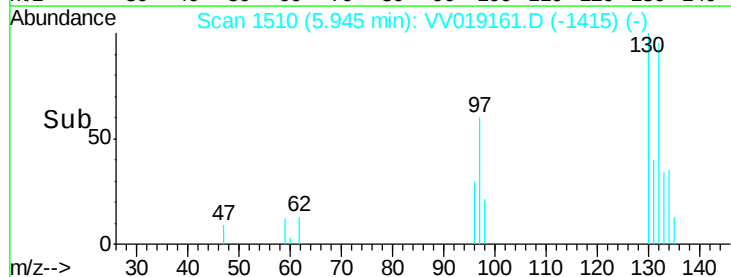
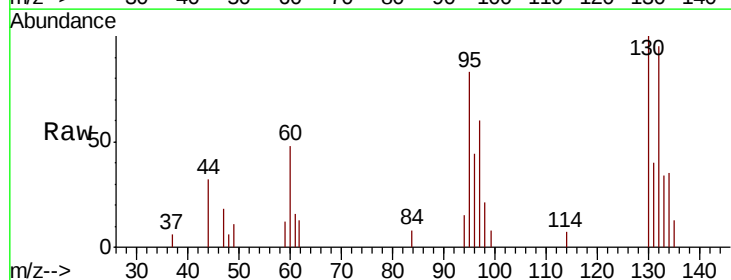
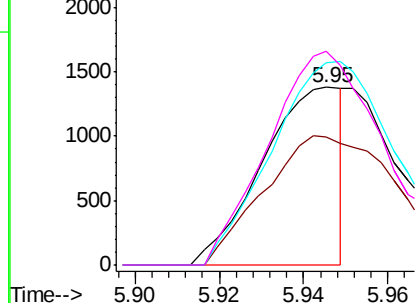
130 120.4 72.4 134.5

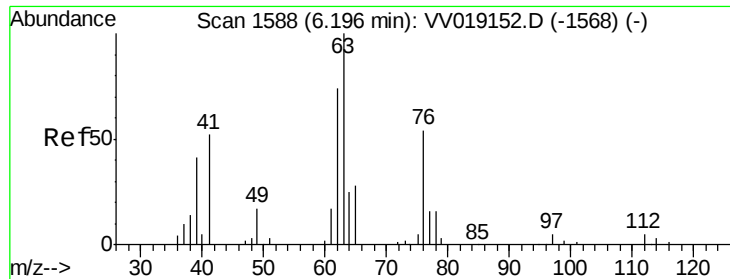
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

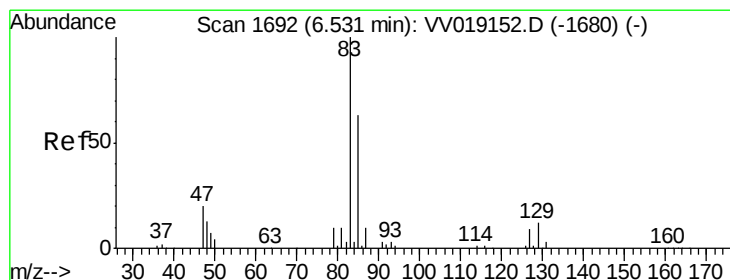
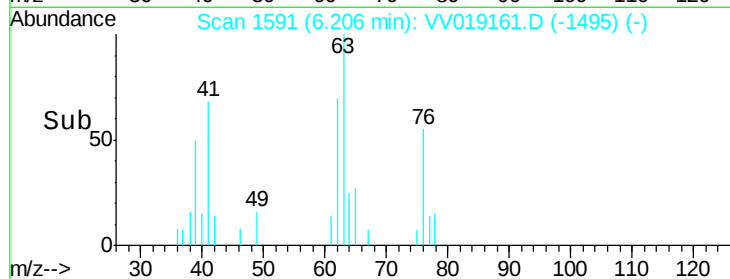
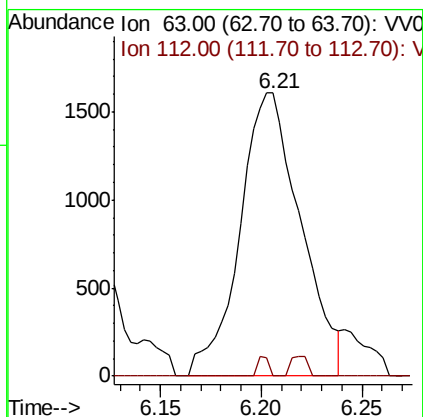
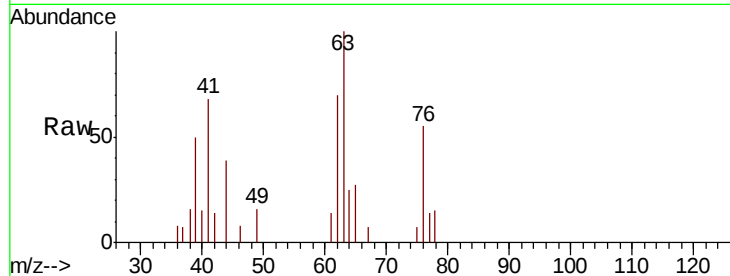




#37
 1,2-Dichloropropane
 Concen: 2.231 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

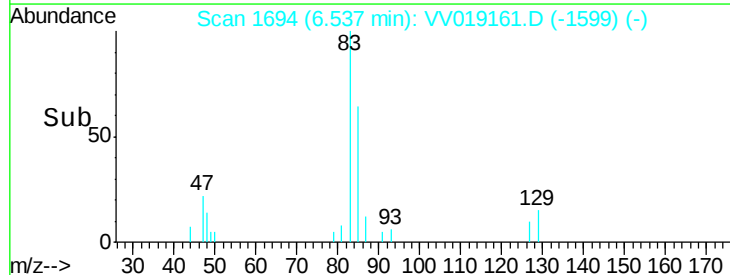
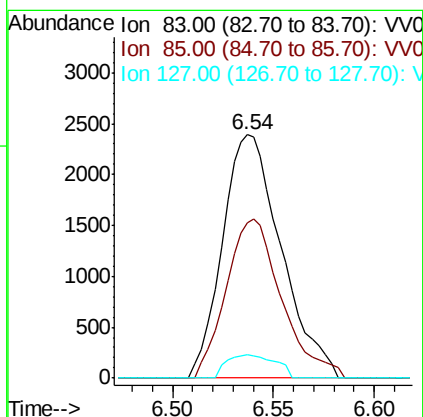
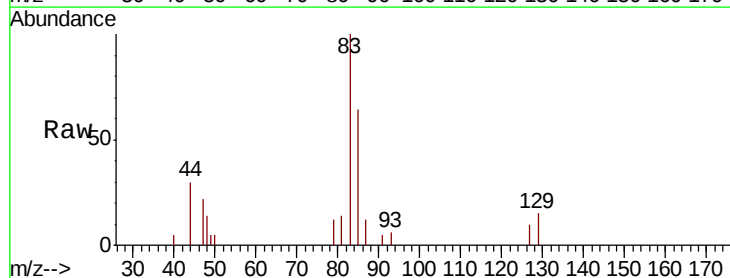
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

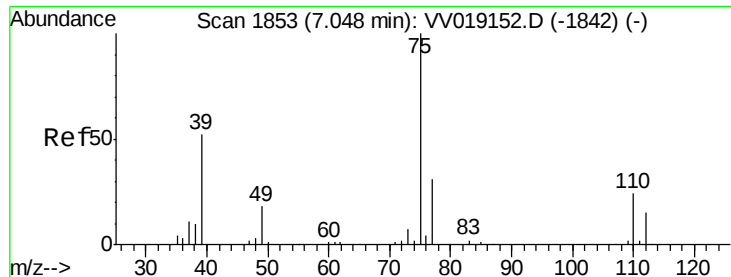
Tot Ion: 63 Resp: 3380
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 2.152 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 83 Resp: 4850
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.9 85.3
 127 9.5 6.9 10.3

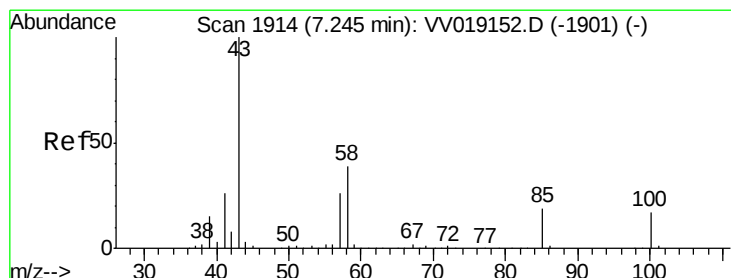
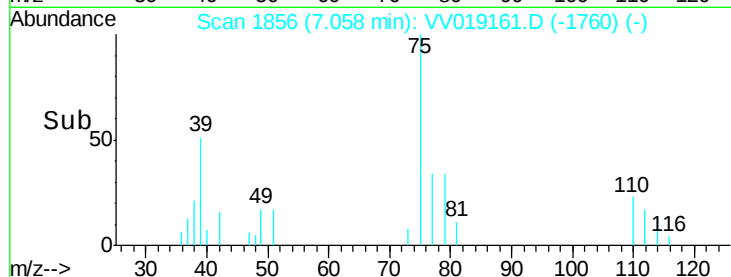
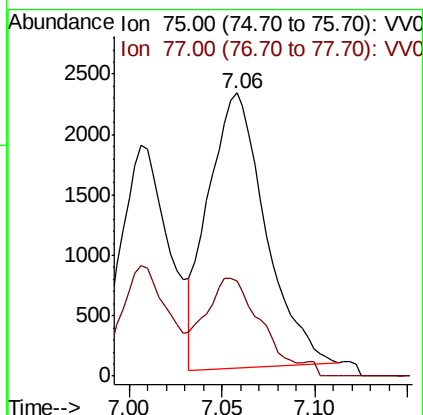
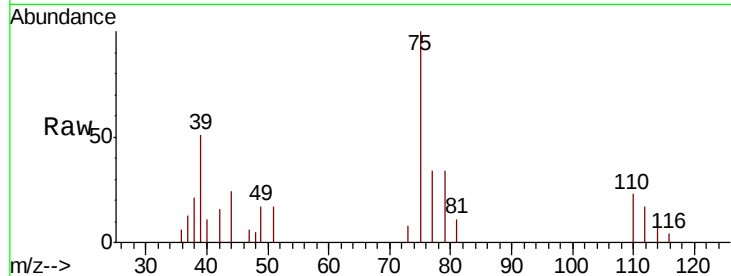




#39
 cis-1,3-Dichloropropene
 Concen: 1.954 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

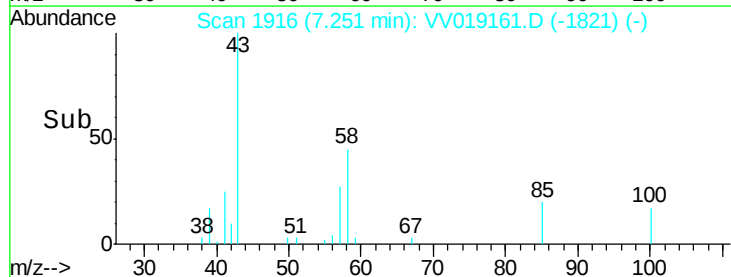
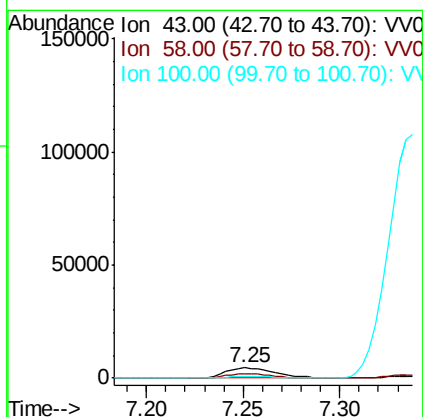
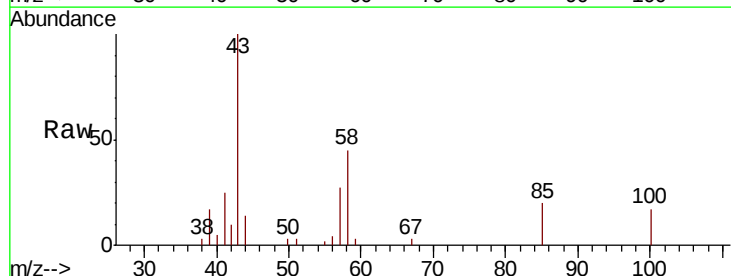
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

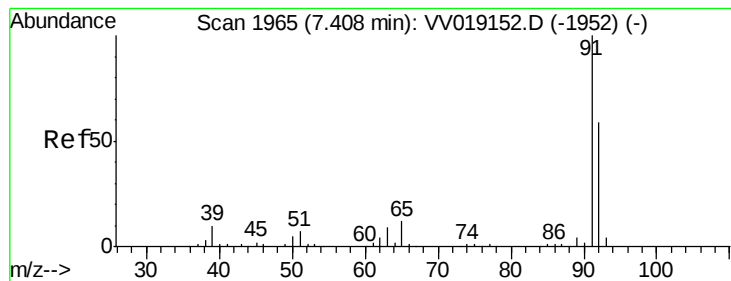
Tot Ion: 75 Resp: 4890
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.105 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 43 Resp: 8580
 Ion Ratio Lower Upper
 43 100
 58 35.8 31.0 46.4
 100 15.0 13.2 19.8





#42

Toluene

Concen: 2.523 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampled :

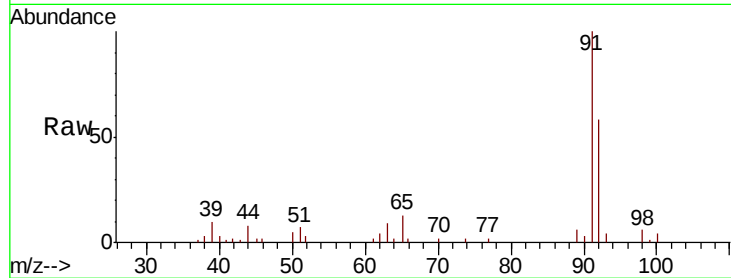
MDL07

Tot Ion: 91 Resp: 16876

Ion Ratio Lower Upper

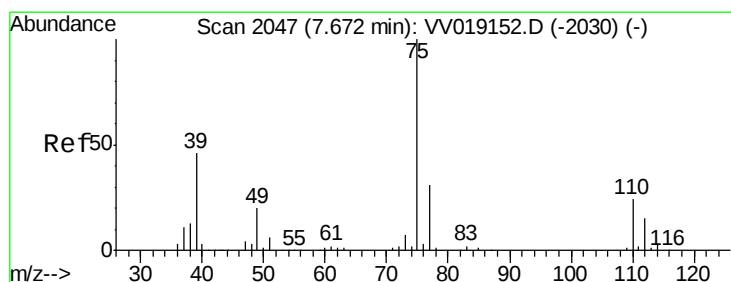
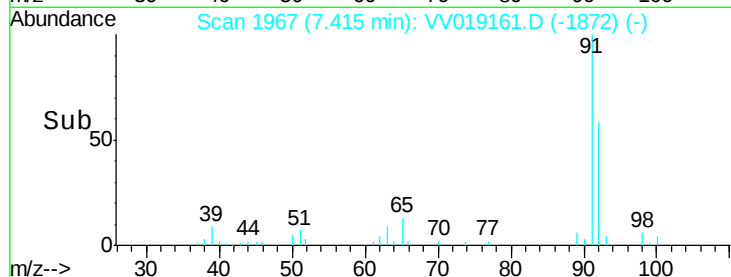
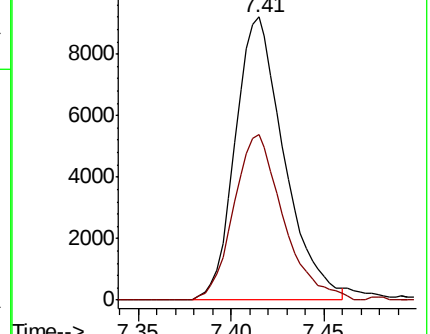
91 100

92 58.5 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.903 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019161.D

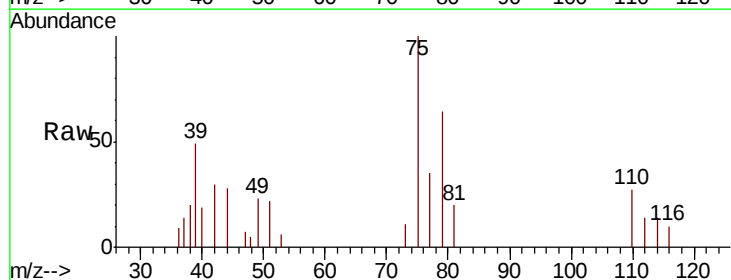
Acq: 29 Oct 2020 21:35

Tgt Ion: 75 Resp: 4954

Ion Ratio Lower Upper

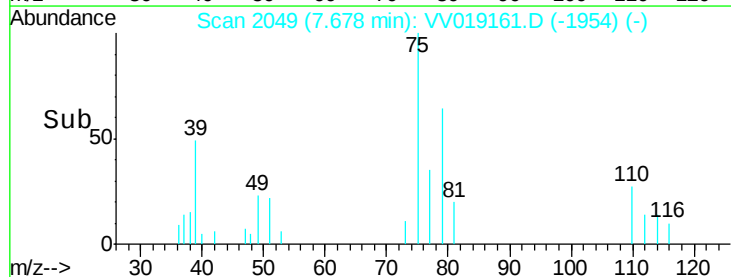
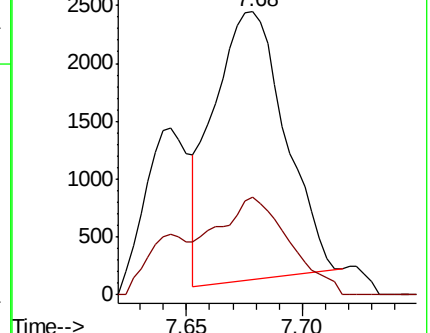
75 100

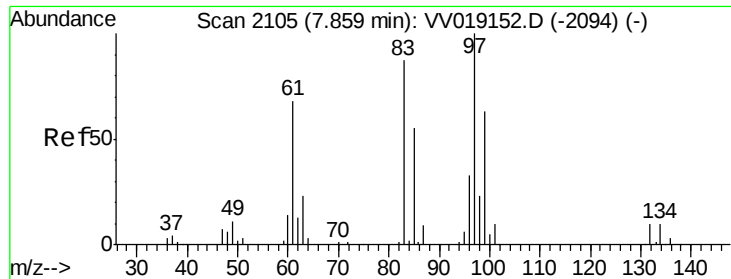
77 34.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

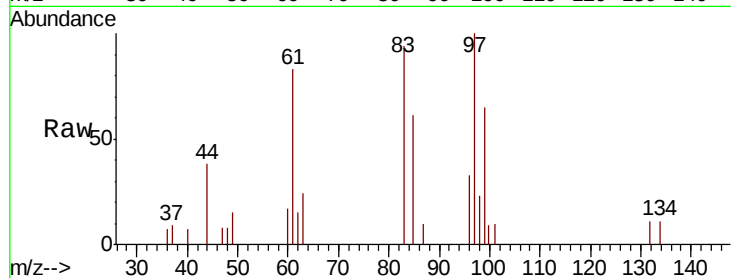




#45
1,1,2-Trichloroethane
Concen: 2.175 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	3305
Ion	Ratio	Lower	Upper
97	100		
99	64.8	43.1	80.1
83	93.7	58.3	108.3
85	61.1	37.8	70.2



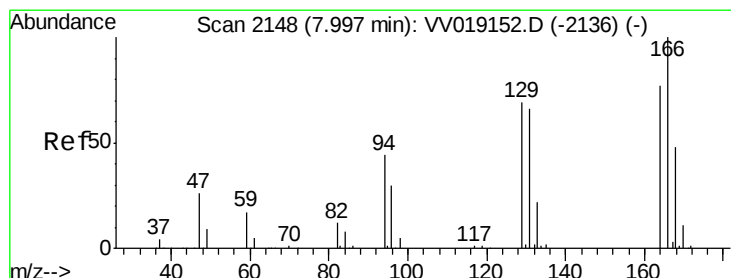
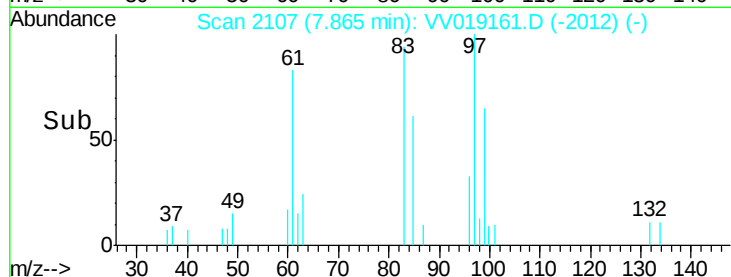
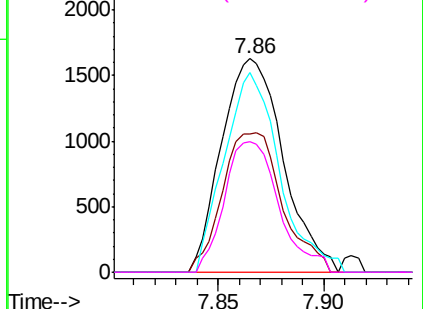
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

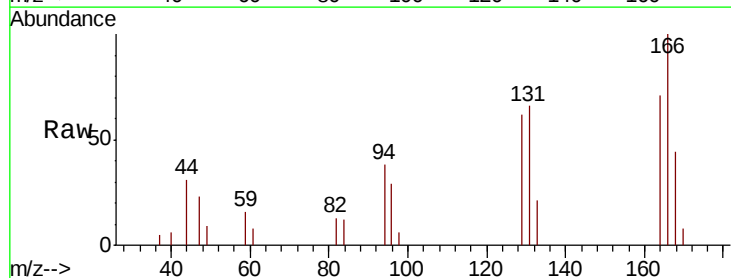
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 1.775 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Tgt Ion:	164	Resp:	2534
Ion	Ratio	Lower	Upper
164	100		
129	88.3	63.2	117.4
131	93.8	60.3	112.1
166	141.8	88.3	163.9



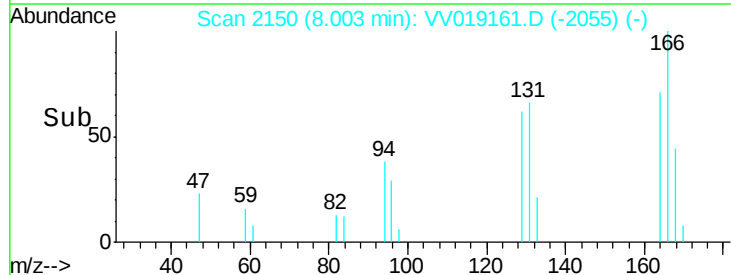
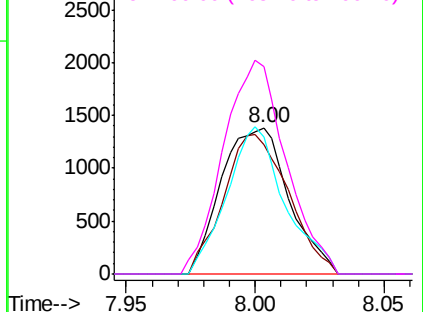
Abundance

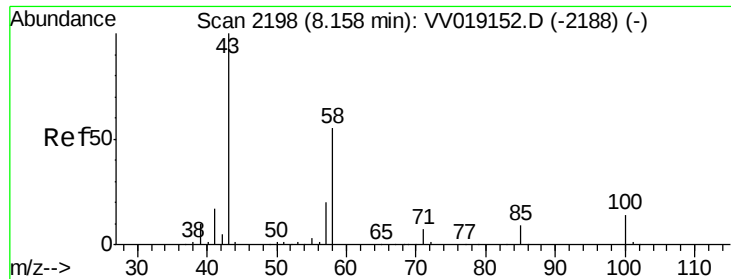
Ion 164.00 (163.70 to 164.70): V

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

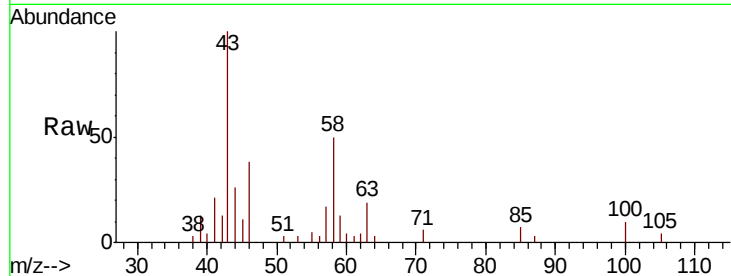




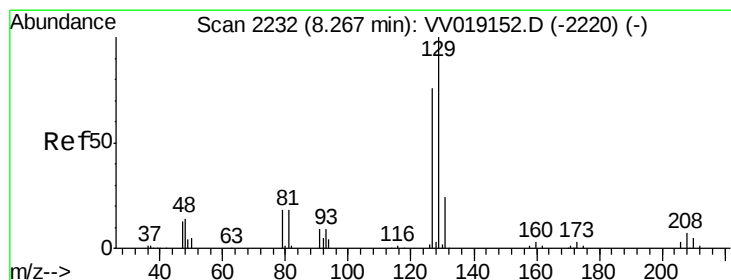
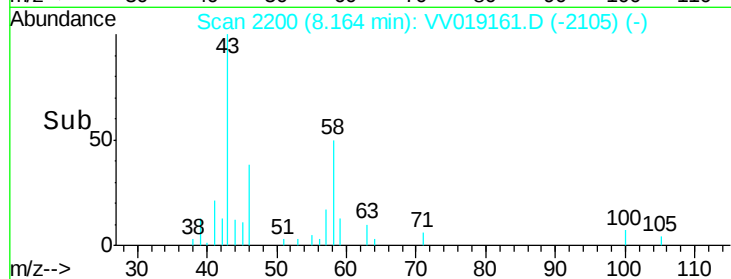
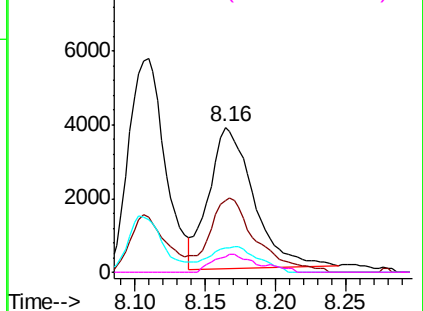
#48
2-Hexanone
Concen: 5.090 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 8456
Ion Ratio Lower Upper
43 100
58 48.0 43.6 65.4
57 19.9 16.0 24.0
100 10.5 10.3 15.5

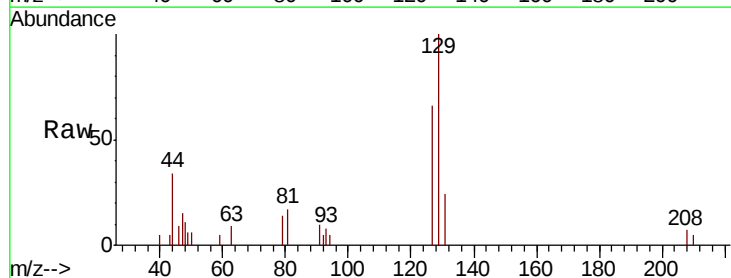


Abundance Ion 43.00 (42.70 to 43.70): VV019161.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019161.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019161.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019161.D (-2188) (-)

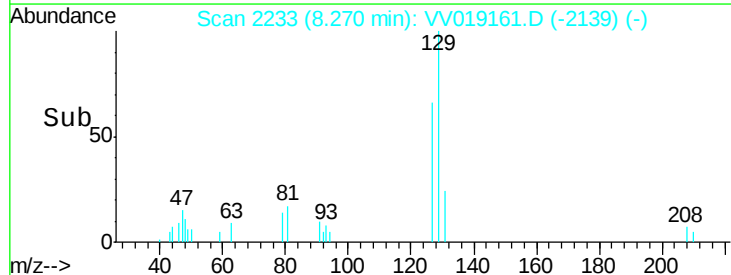
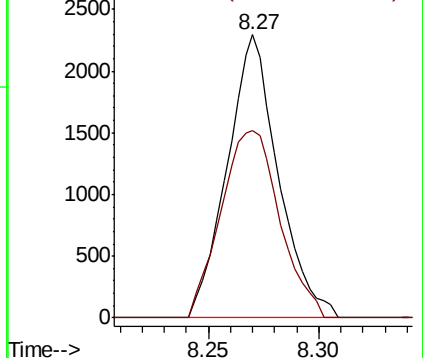


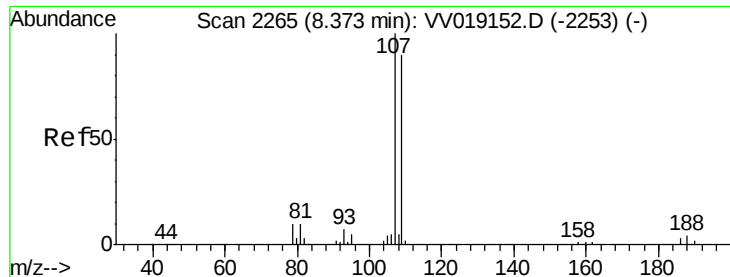
#49
Dibromochloromethane
Concen: 2.003 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Tgt Ion: 129 Resp: 3686
Ion Ratio Lower Upper
129 100
127 66.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019161.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019161.D (-2139) (-)

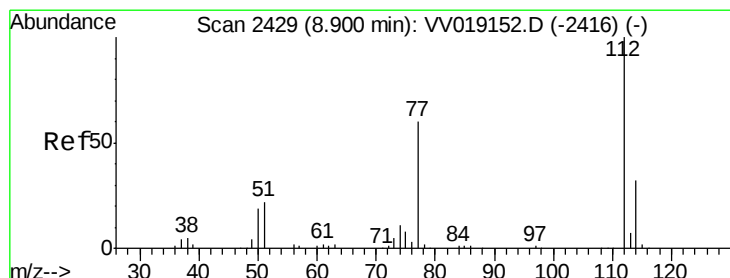
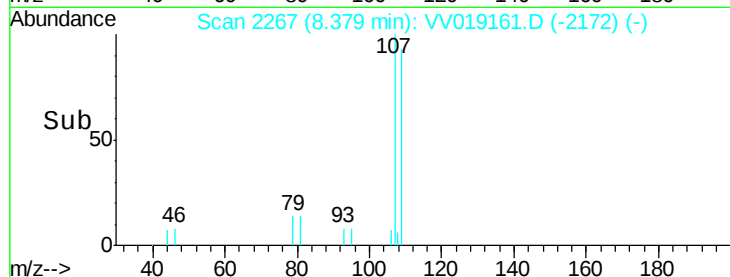
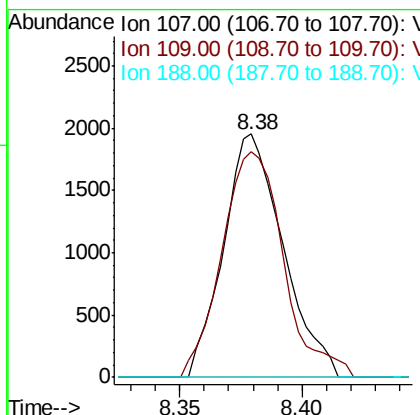
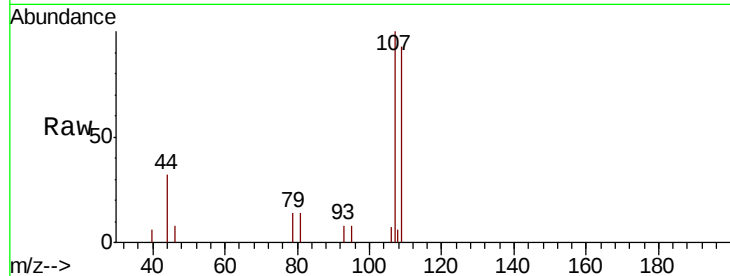




#50
1,2-Dibromoethane
Concen: 2.039 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

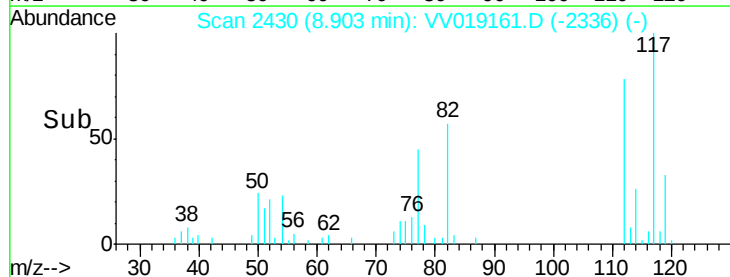
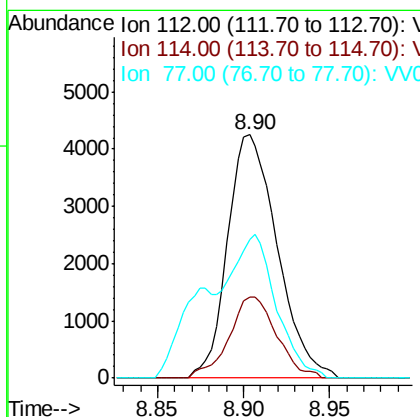
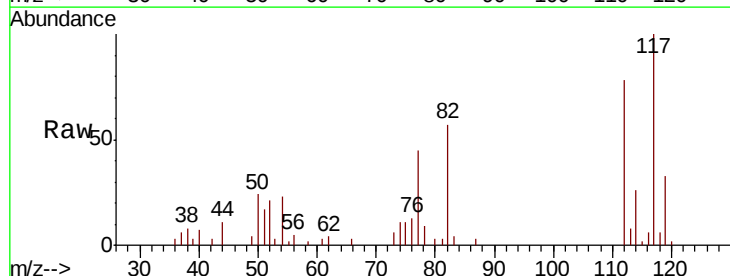
Instrument :
MSVOA_V
ClientSampleId :
MDL07

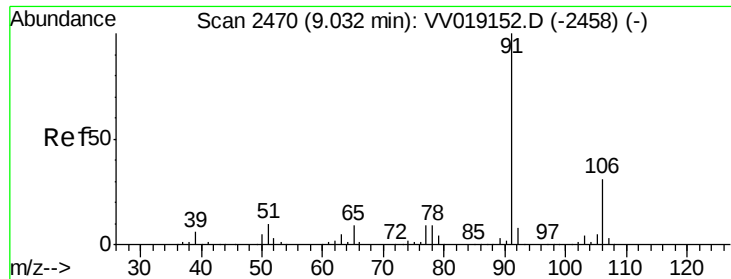
Tot Ion:107 Resp: 3306
Ion Ratio Lower Upper
107 100
109 92.6 65.7 121.9
188 0.0 3.4 5.2#



#51
Chlorobenzene
Concen: 1.947 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:35

Tgt Ion:112 Resp: 8536
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.5
77 57.1 46.7 70.1





#52

Ethylbenzene

Concen: 1.791 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

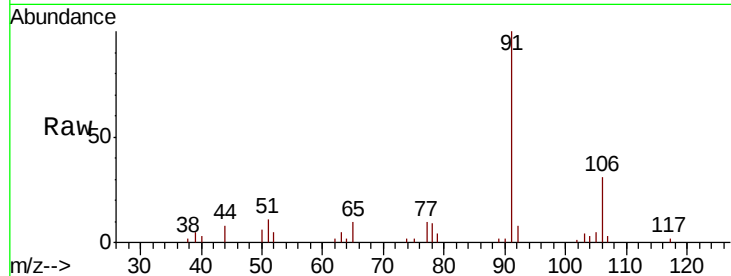
MDL07

Tot Ion: 91 Resp: 13200

Ion Ratio Lower Upper

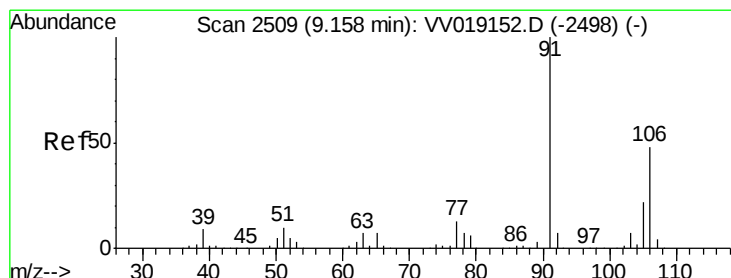
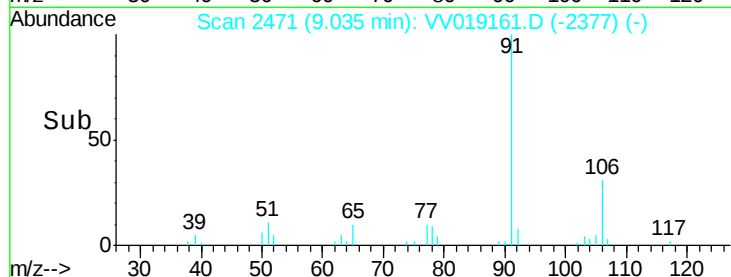
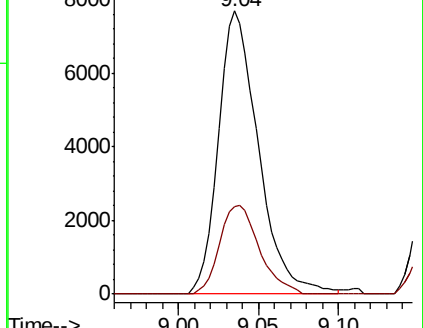
91 100

106 30.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019161.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019161.D (-2377) (-)



#53

m,p-Xylene

Concen: 1.847 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.01 min

Lab File: VV019161.D

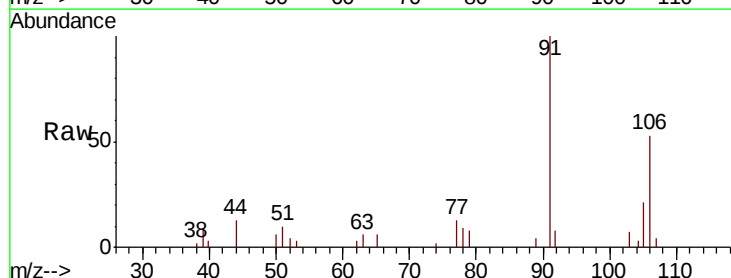
Acq: 29 Oct 2020 21:35

Tgt Ion: 106 Resp: 5143

Ion Ratio Lower Upper

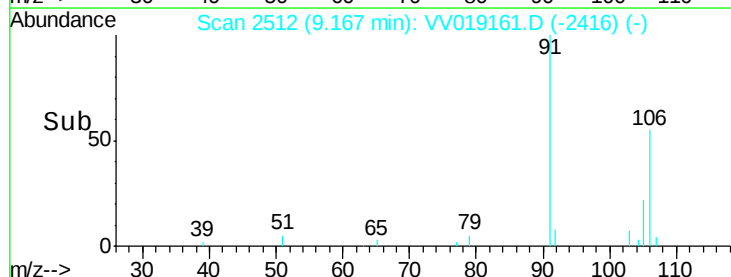
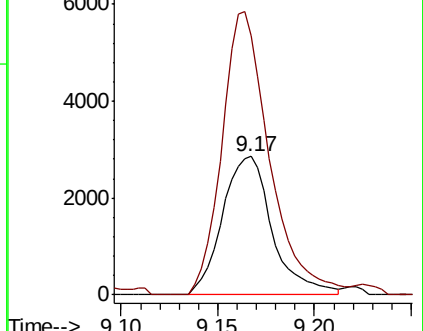
106 100

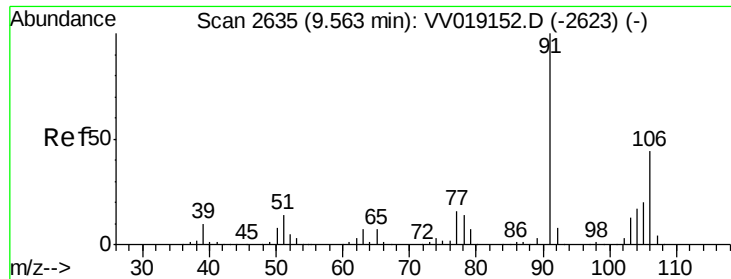
91 187.9 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019161.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019161.D (-2416) (-)





#54

o-xylene

Concen: 1.697 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

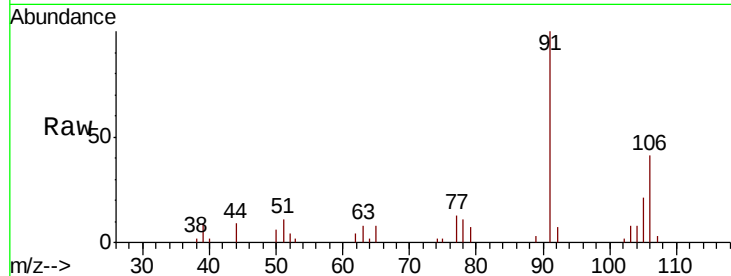
MDL07

Tot Ion:106 Resp: 4535

Ion Ratio Lower Upper

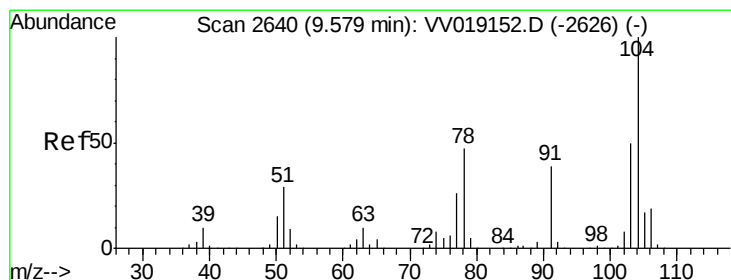
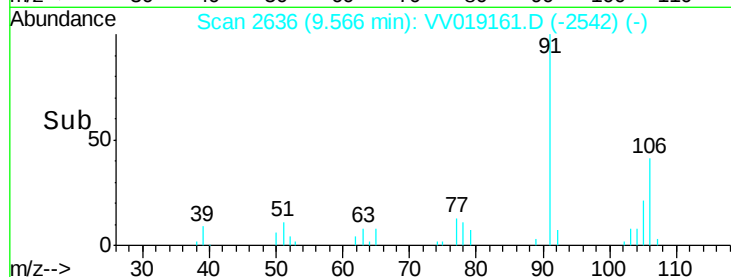
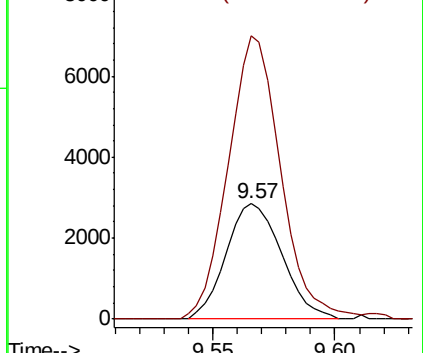
106 100

91 244.8 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.551 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019161.D

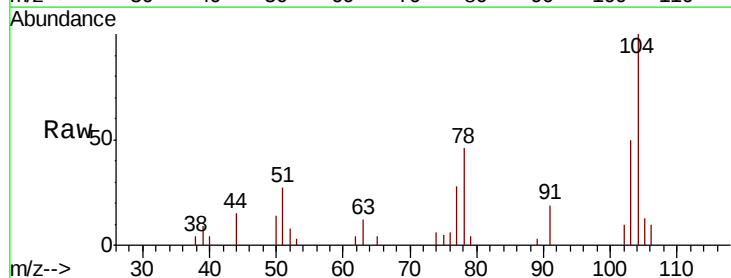
Acq: 29 Oct 2020 21:35

Tgt Ion:104 Resp: 7348

Ion Ratio Lower Upper

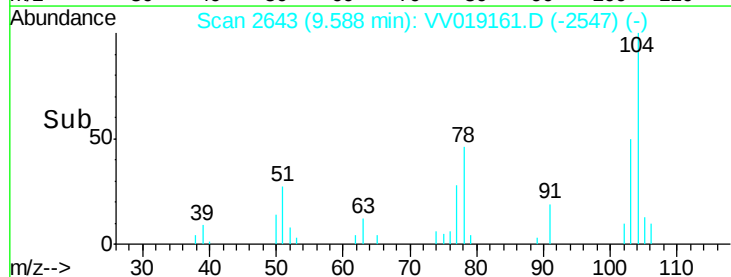
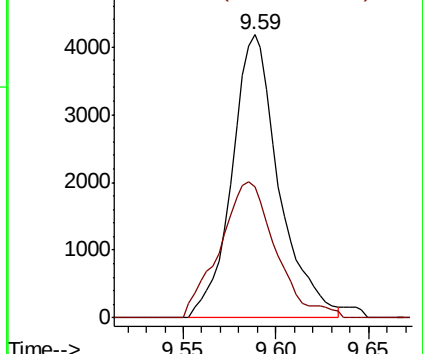
104 100

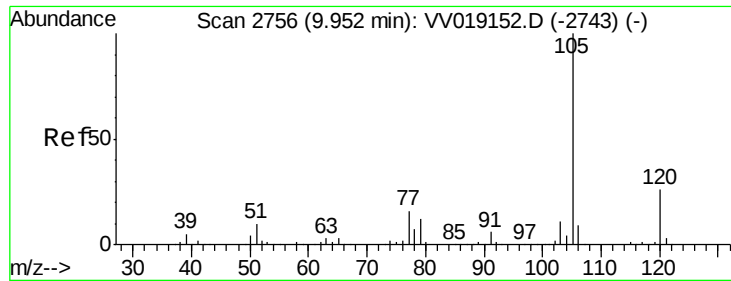
78 46.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.584 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

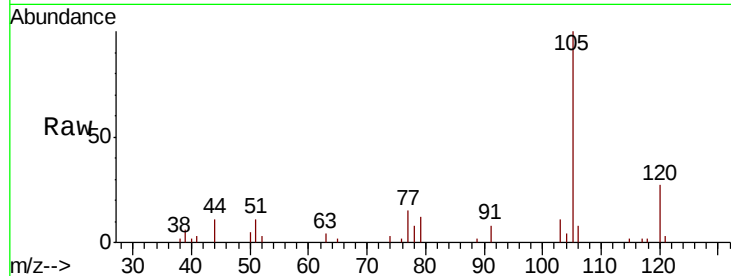
Tot Ion:105 Resp: 11380

Ion Ratio Lower Upper

105 100

120 28.2 21.3 31.9

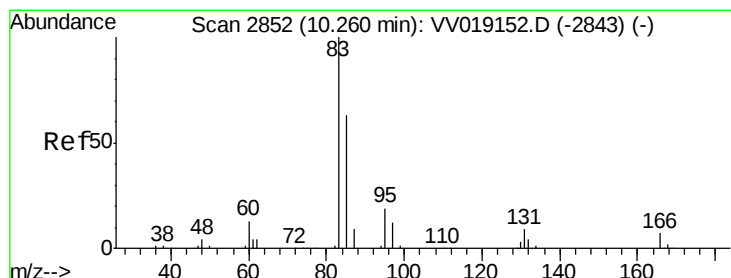
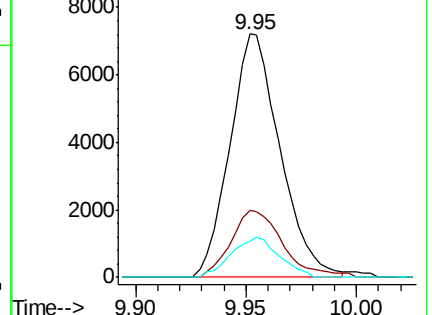
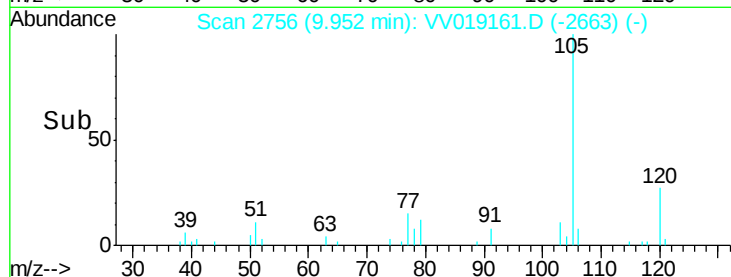
77 15.8 13.0 19.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.343 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

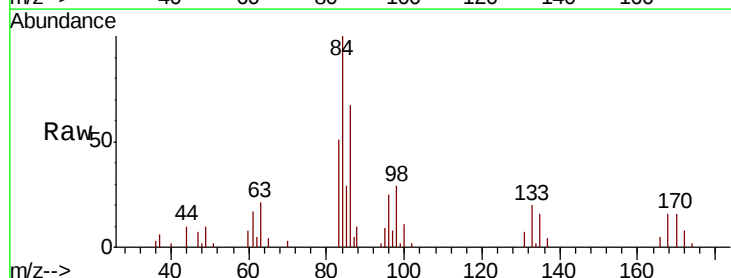
Tgt Ion: 83 Resp: 5422

Ion Ratio Lower Upper

83 100

85 57.1 45.8 85.0

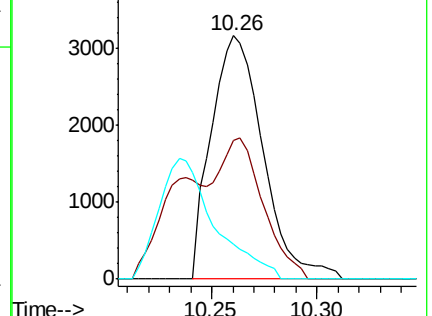
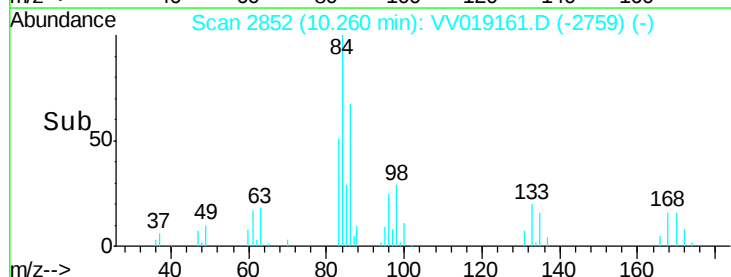
131 14.3 8.9 13.3#

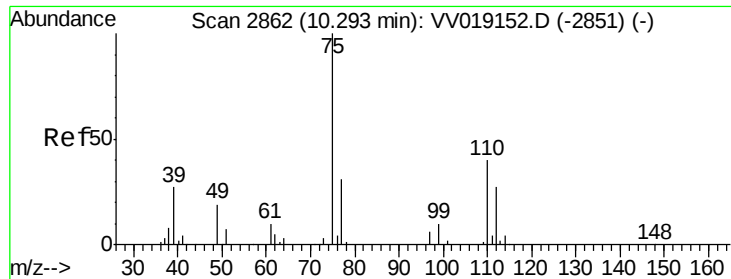


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

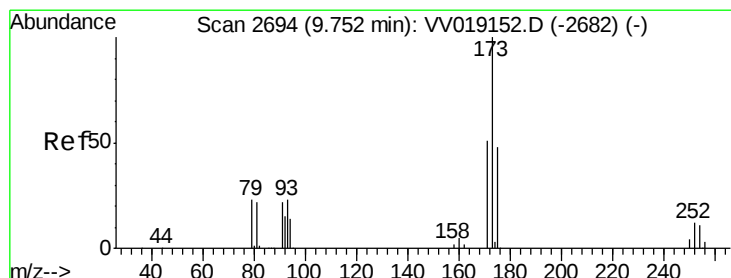
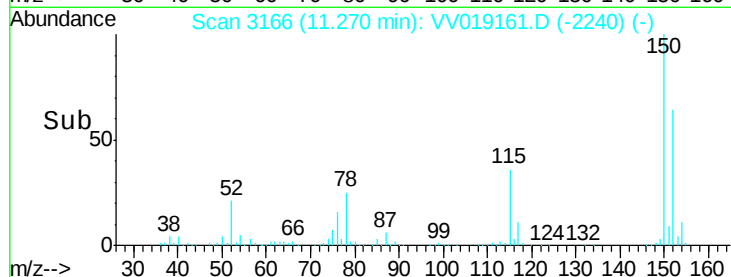
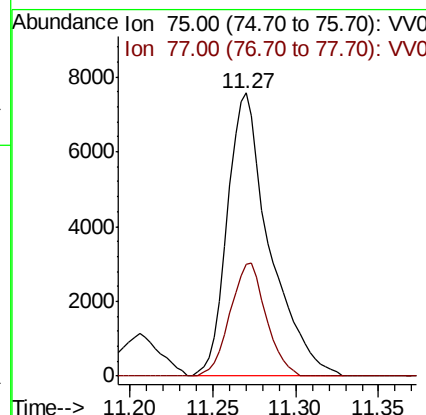
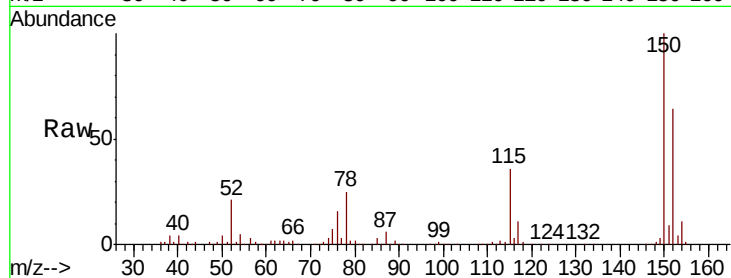




#59
 1,2,3-Trichloropropane
 Concen: 6.783 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

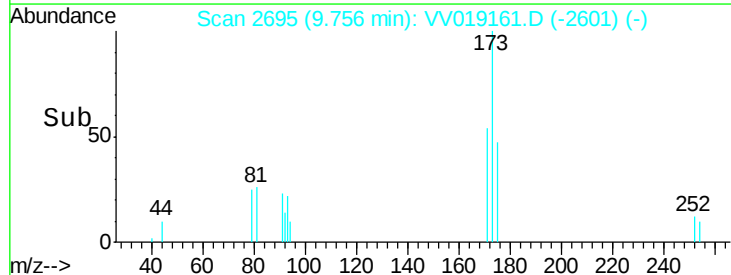
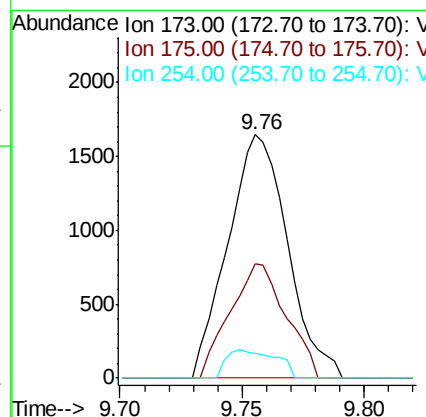
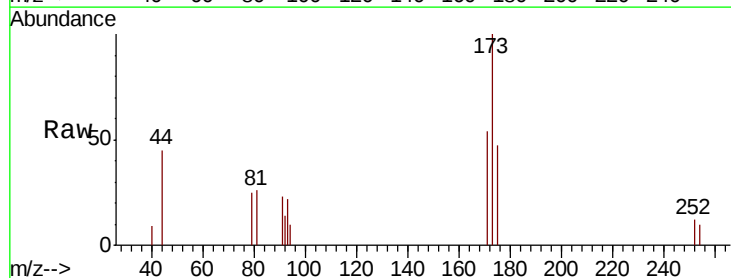
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

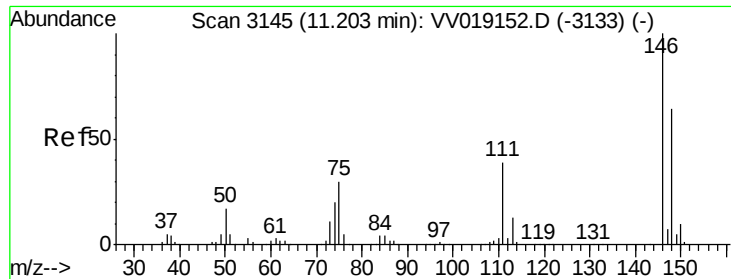
Tot Ion: 75 Resp: 13437
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.2 39.4



#61
 Bromoform
 Concen: 2.143 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion: 173 Resp: 2802
 Ion Ratio Lower Upper
 173 100
 175 43.9 39.8 59.6
 254 7.8 9.7 14.5#





#62

1,3-Dichlorobenzene

Concen: 1.992 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

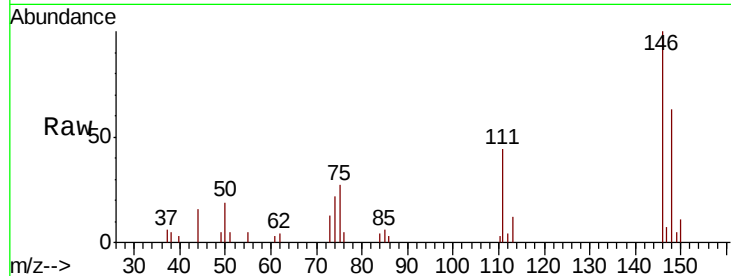
Tot Ion:146 Resp: 6661

Ion Ratio Lower Upper

146 100

111 43.6 27.1 50.3

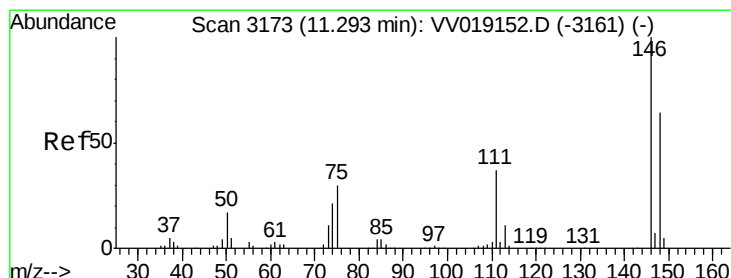
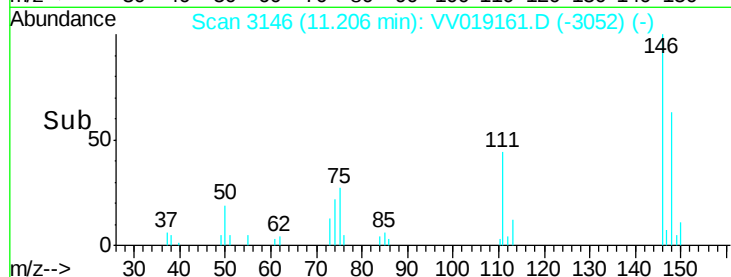
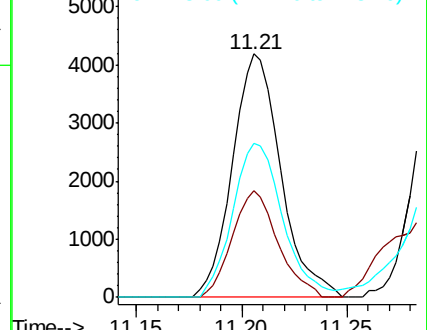
148 63.2 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 2.164 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

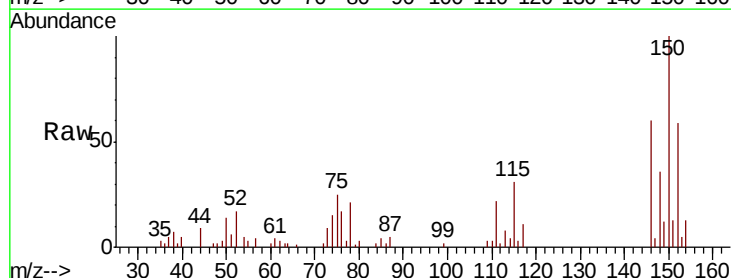
Tgt Ion:146 Resp: 7520

Ion Ratio Lower Upper

146 100

111 36.3 25.8 48.0

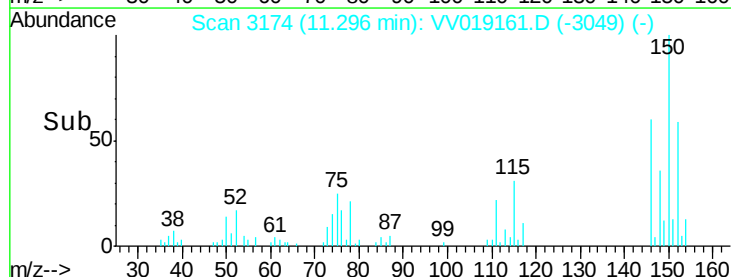
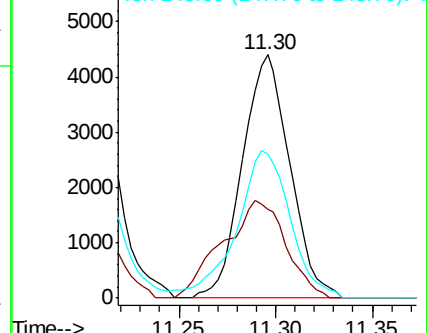
148 59.1 44.0 81.6

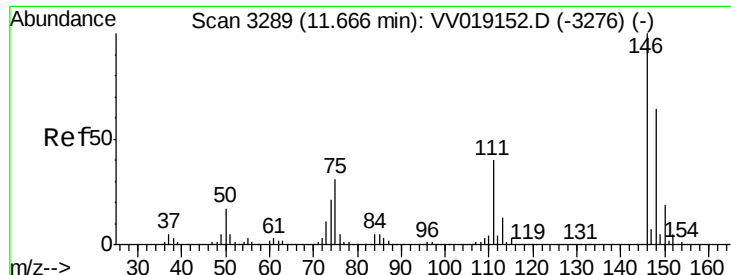


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.183 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

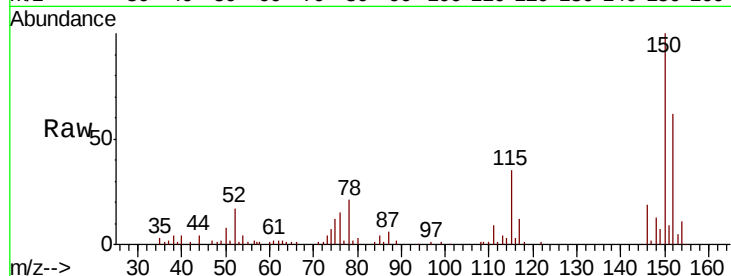
Tot Ion:146 Resp: 7231

Ion Ratio Lower Upper

146 100

111 46.6 32.2 48.4

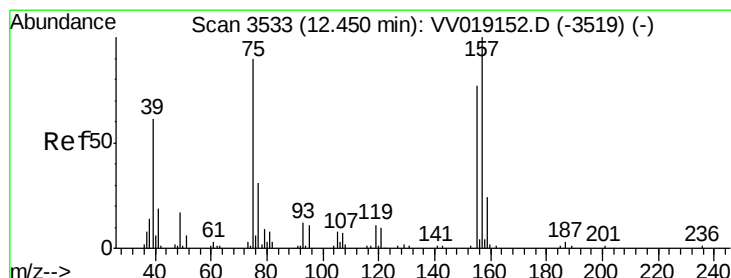
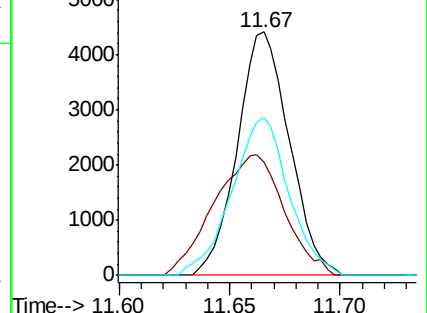
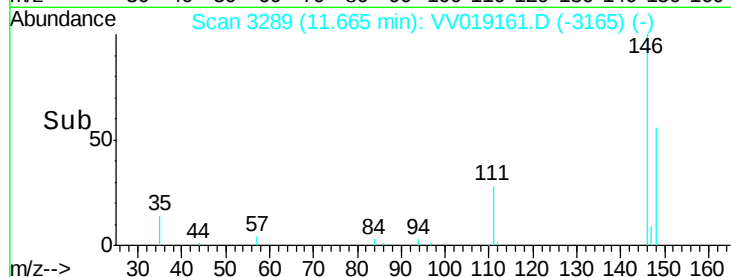
148 64.8 50.8 76.2



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: 2.273 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

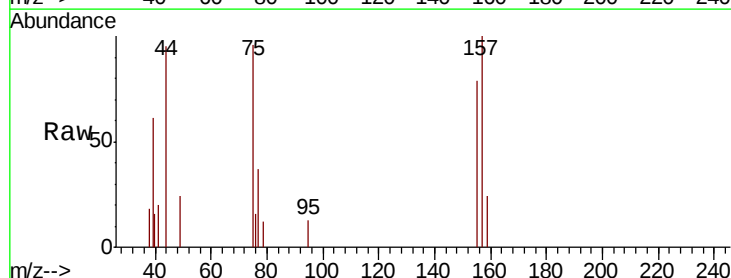
Tgt Ion: 75 Resp: 1288

Ion Ratio Lower Upper

75 100

155 82.1 71.1 106.7

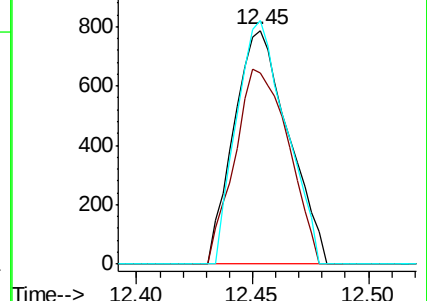
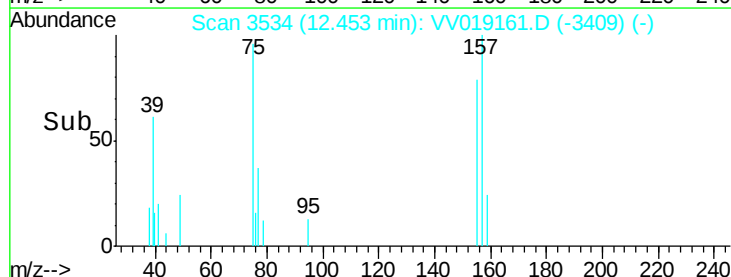
157 104.3 90.5 135.7

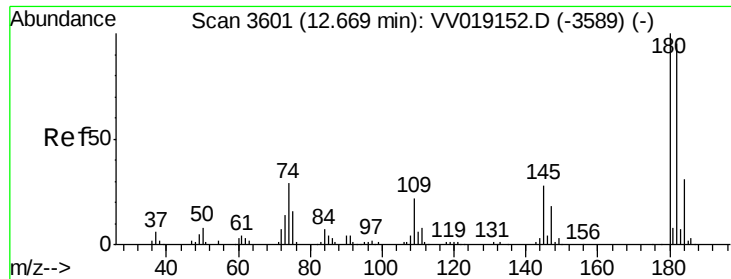


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

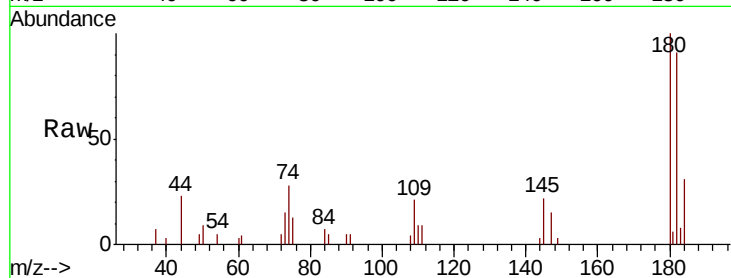




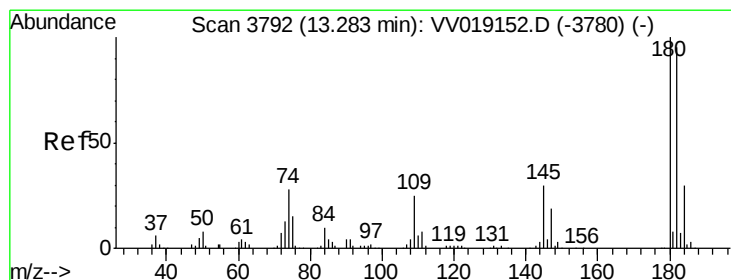
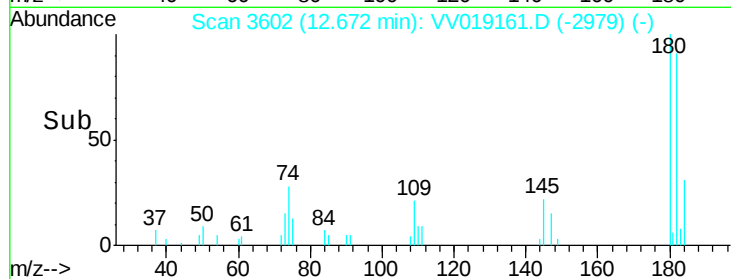
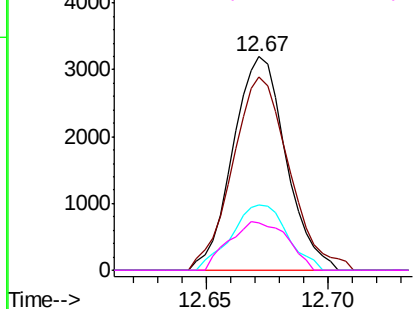
#67
 1,3,5-Trichlorobenzene
 Concen: 1.958 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:180 Resp: 4819
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.1 114.1
 184 32.1 24.5 36.7
 145 25.0 22.7 34.1

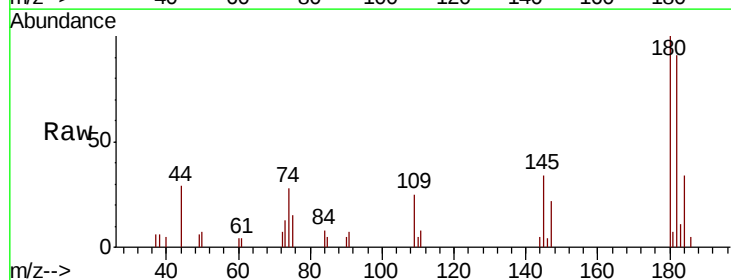


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

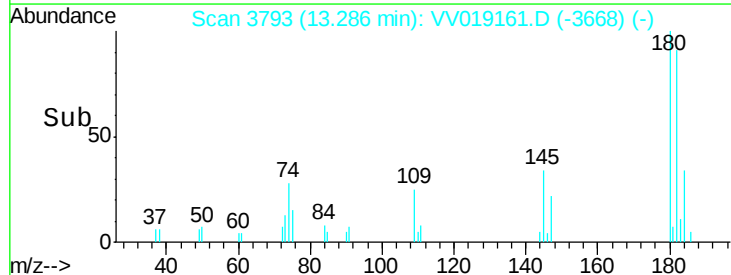
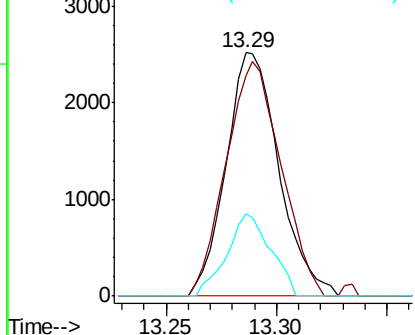


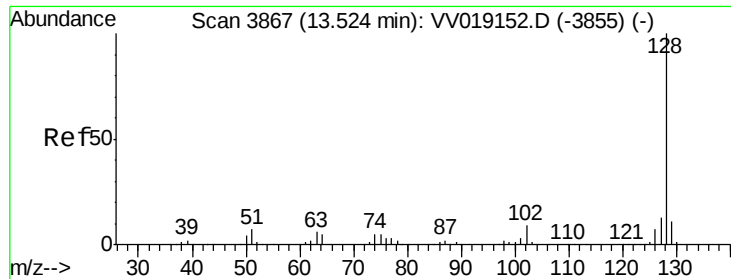
#68
 1,2,4-trichlorobenzene
 Concen: 1.813 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:35

Tgt Ion:180 Resp: 4182
 Ion Ratio Lower Upper
 180 100
 182 99.8 75.8 113.6
 145 27.8 22.6 34.0



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





#69

Naphthalene

Concen: 1.461 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

MDL07

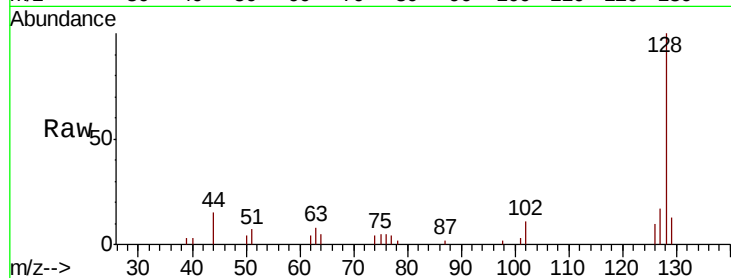
Tot Ion:128 Resp: 9439

Ion Ratio Lower Upper

128 100

127 14.4 10.8 16.2

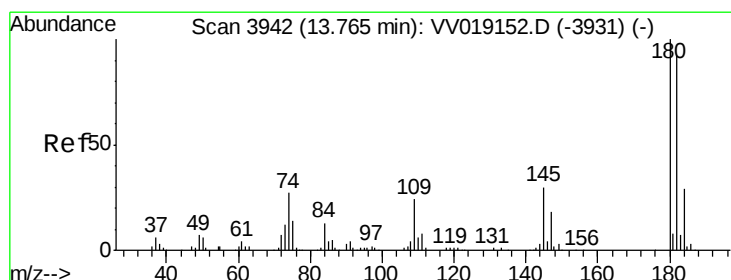
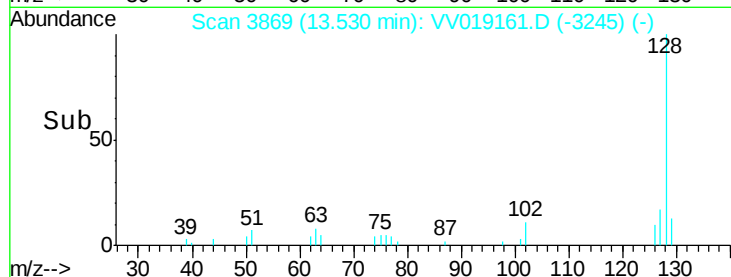
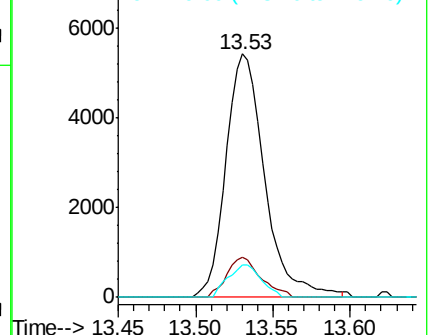
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.30): V

Ion 129.00 (128.70 to 129.30): V



#70

1,2,3-Trichlorobenzene

Concen: 1.832 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:35

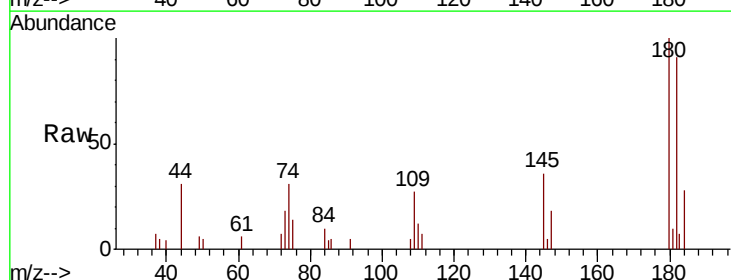
Tgt Ion:180 Resp: 4134

Ion Ratio Lower Upper

180 100

182 87.5 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 182.30): V

Ion 145.00 (144.70 to 145.30): V

