

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019158.D
 Acq On : 29 Oct 2020 20:24
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 30 05:39:28 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	221574	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	210254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107890	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86397	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.14%
7) Chloroethane-d5	1.58	69	68664	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.12	63	126797	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.70%
21) 2-Butanone-d5	3.91	46	116929	108.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.42%
24) Chloroform-d	4.38	84	165748	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.05	65	120688	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
32) Benzene-d6	5.07	84	310714	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.09	67	96212	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.20%
41) Toluene-d8	7.34	98	285965	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%
43) trans-1,3-Dichloropropene-	7.64	79	51656	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.40%
47) 2-Hexanone-d5	8.11	63	81882	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	124445	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	118816	52.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4189	2.153	ug/L	100
3) Chloromethane	1.25	50	4049	2.292	ug/L	100
5) Vinyl chloride	1.32	62	4284	2.368	ug/L #	56
6) Bromomethane	1.53	94	2840	2.344	ug/L	95
8) Chloroethane	1.60	64	2830	2.516	ug/L	97
9) Trichlorofluoromethane	1.77	101	6194	2.055	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3941	2.716	ug/L #	78
12) 1,1-Dichloroethene	2.13	96	4089	2.878	ug/L #	1
13) Acetone	2.20	43	4308	4.300	ug/L	93
14) Carbon disulfide	2.31	76	9971	2.208	ug/L	98
15) Methyl Acetate	2.46	43	3652	2.262	ug/L	94
16) Methylene chloride	2.52	84	4058	2.515	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3222	2.111	ug/L	92
18) Methyl tert-butyl Ether	2.78	73	11617	2.273	ug/L	97
19) 1,1-Dichloroethane	3.22	63	6394	2.249	ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	1900	1.134	ug/L	85
23) Bromochloromethane	4.29	128	1962	2.183	ug/L	87

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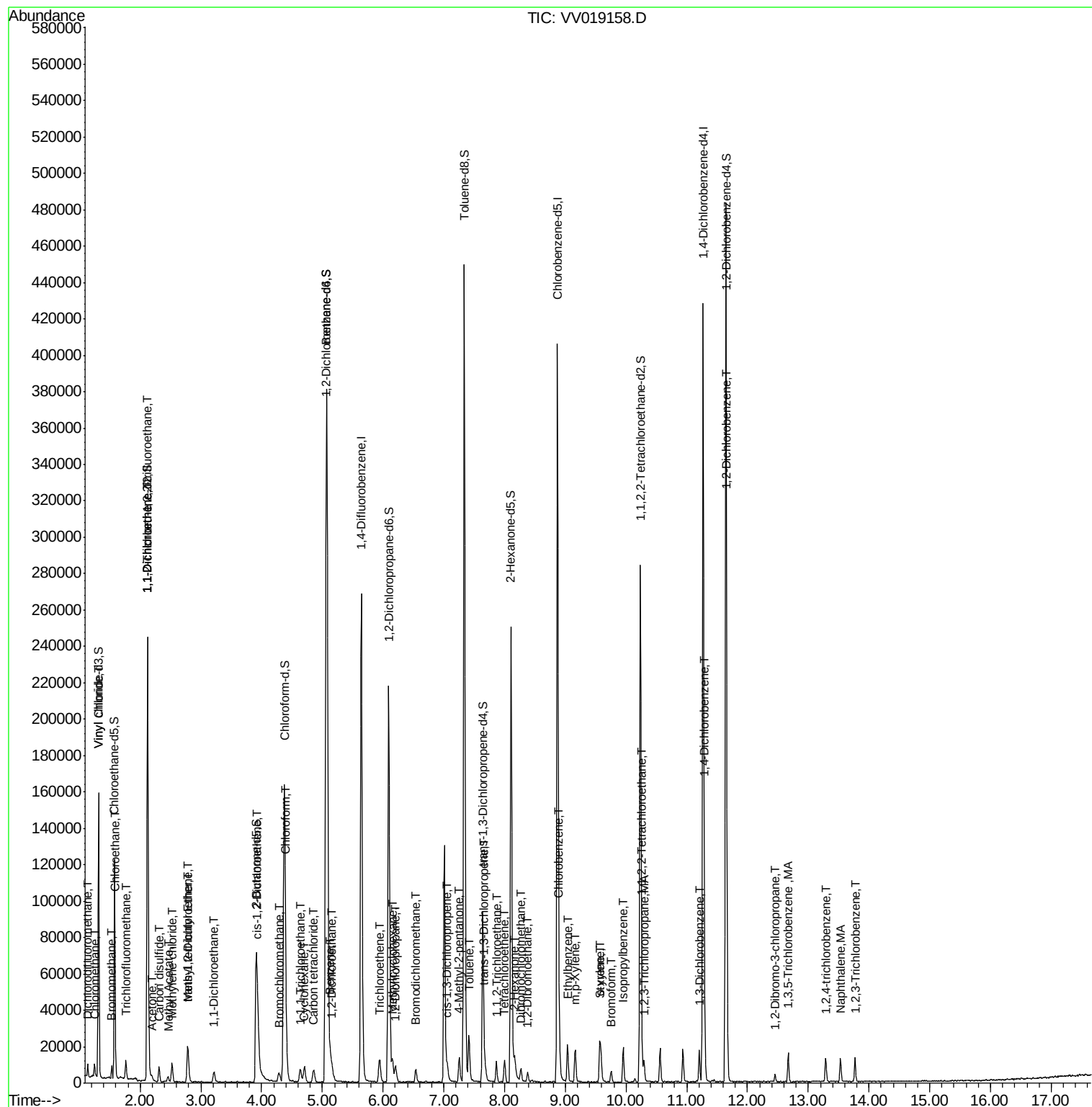
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8862	2.884	ug/L	94
27) 1,2-Dichloroethane	5.16	62	6484	2.479	ug/L	99
29) Cyclohexane	4.70	56	4407	1.878	ug/L #	88
30) 1,1,1-Trichloroethane	4.63	97	6045	2.122	ug/L	99
31) Carbon tetrachloride	4.86	117	5376	2.128	ug/L	94
33) Benzene	5.13	78	13888	2.291	ug/L	100
34) Trichloroethene	5.95	95	3363	2.025	ug/L	96
35) Methylcyclohexane	6.15	83	4708	2.100	ug/L	94
37) 1,2-Dichloropropane	6.20	63	2966	1.970	ug/L #	85
38) Bromodichloromethane	6.54	83	4811	2.148	ug/L #	95
39) cis-1,3-Dichloropropene	7.06	75	5070	2.039	ug/L	91
40) 4-Methyl-2-pentanone	7.25	43	9226	4.442	ug/L	98
42) Toluene	7.41	91	18481	2.781	ug/L	94
44) trans-1,3-Dichloropropene	7.67	75	5395	2.086	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	3477	2.303	ug/L	95
46) Tetrachloroethene	8.00	164	2744	1.935	ug/L	95
48) 2-Hexanone	8.17	43	8247	4.996	ug/L	96
49) Dibromochloromethane	8.27	129	4133	2.261	ug/L	97
50) 1,2-Dibromoethane	8.38	107	3603	2.237	ug/L #	98
51) Chlorobenzene	8.90	112	9114	2.092	ug/L	95
52) Ethylbenzene	9.04	91	14798	2.021	ug/L	99
53) m,p-Xylene	9.16	106	5587	2.020	ug/L	96
54) o-xylene	9.57	106	5145	1.937	ug/L	93
55) Styrene	9.59	104	8172	1.736	ug/L	98
56) Isopropylbenzene	9.96	105	12327	1.727	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5352	2.328	ug/L	96
59) 1,2,3-Trichloropropane	10.29	75	4414	2.243	ug/L	99
61) Bromoform	9.75	173	3078	2.313	ug/L #	37
62) 1,3-Dichlorobenzene	11.21	146	7082	2.081	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	7906	2.235	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	7561	2.243	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.45	75	1368	2.372	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.67	180	4926	1.966	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	4729	2.015	ug/L	95
69) Naphthalene	13.53	128	10918	1.661	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4473	1.947	ug/L	98

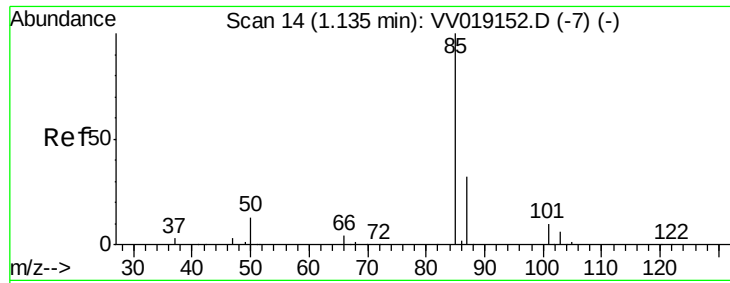
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.153 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

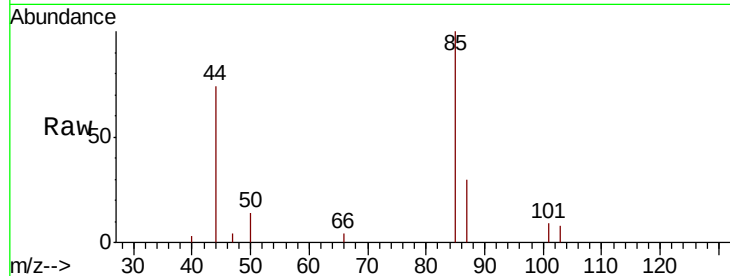
MDL04

Tot Ion: 85 Resp: 4189

Ion Ratio Lower Upper

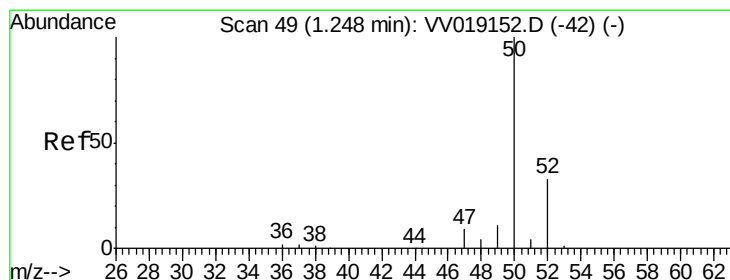
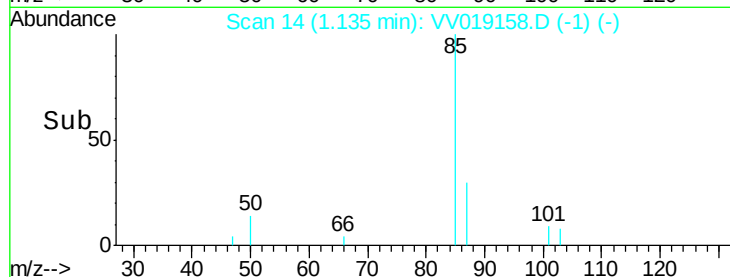
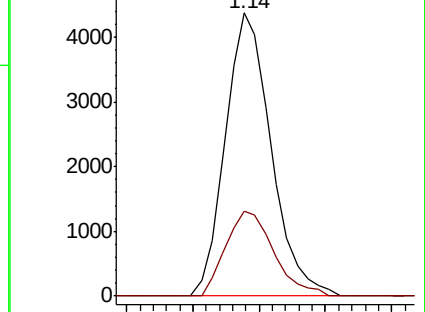
85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019152.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019158.D (-1) (-)



#3

Chloromethane

Concen: 2.292 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019158.D

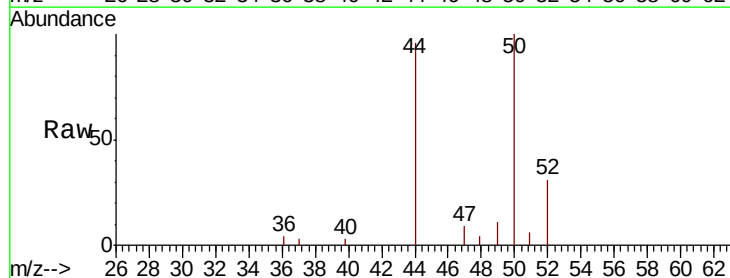
Acq: 29 Oct 2020 20:24

Tgt Ion: 50 Resp: 4049

Ion Ratio Lower Upper

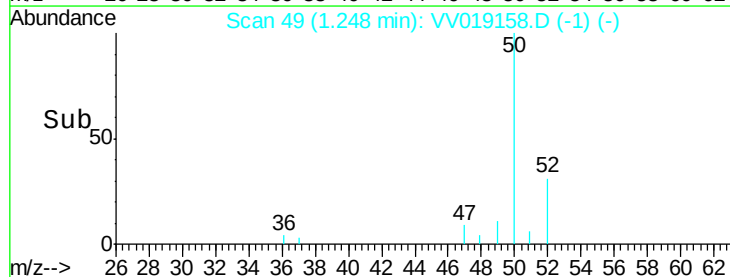
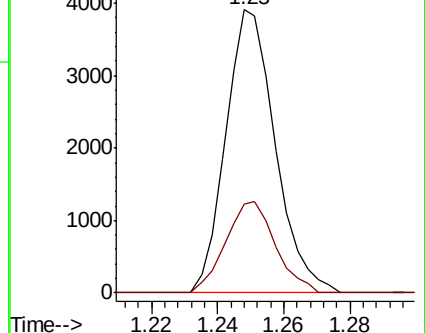
50 100

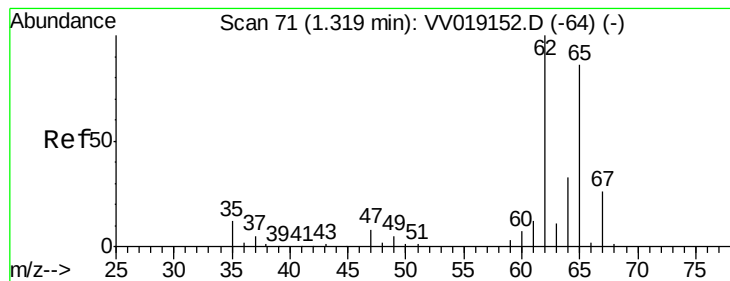
52 31.4 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019152.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019158.D (-1) (-)





#5

Vinyl chloride

Concen: 2.368 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleID :

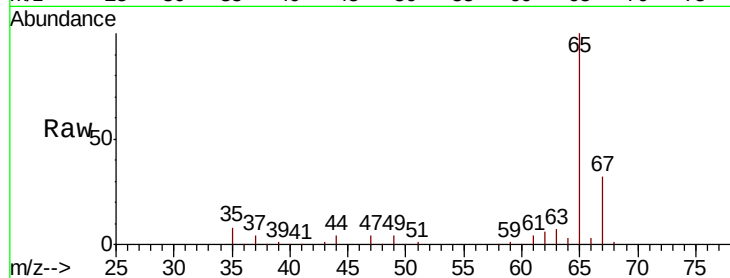
MDL04

Tot Ion: 62 Resp: 4284

Ion Ratio Lower Upper

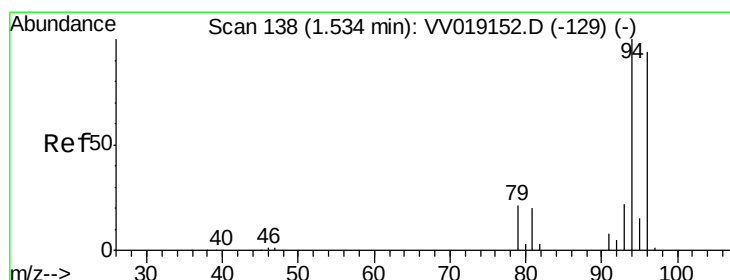
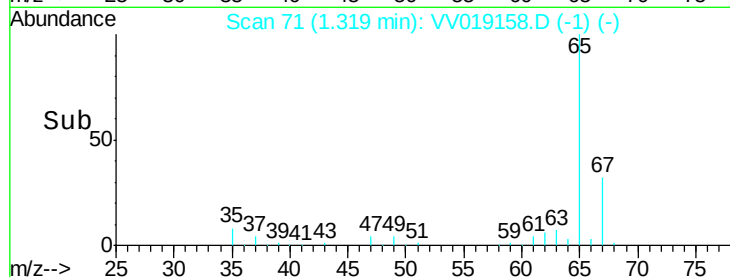
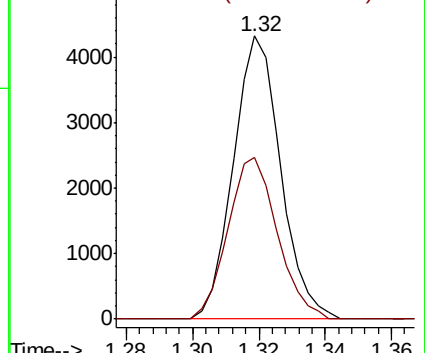
62 100

64 57.0 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: 2.344 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019158.D

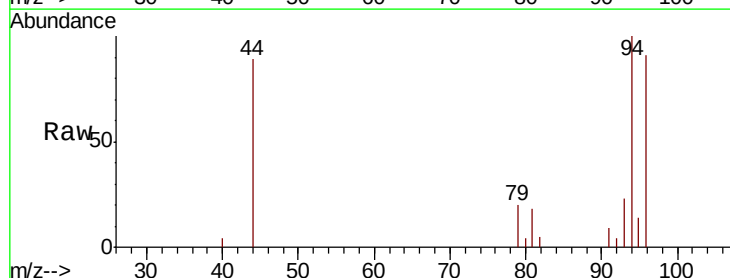
Acq: 29 Oct 2020 20:24

Tgt Ion: 94 Resp: 2840

Ion Ratio Lower Upper

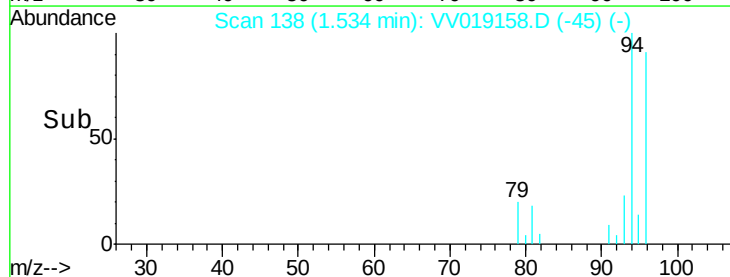
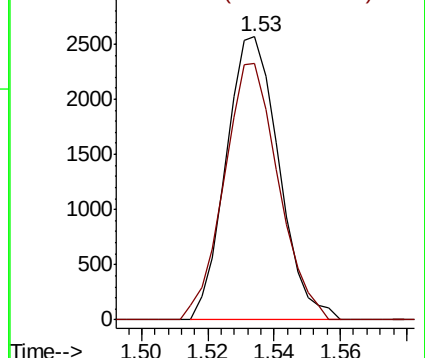
94 100

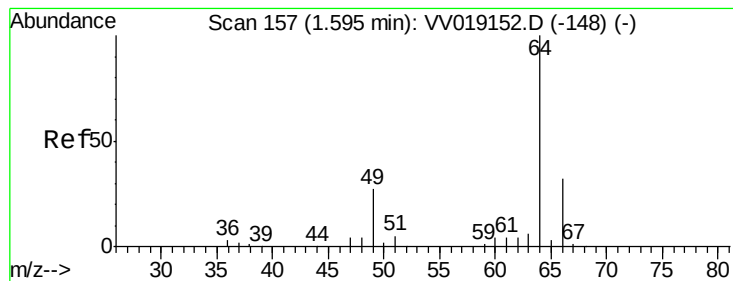
96 90.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.516 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

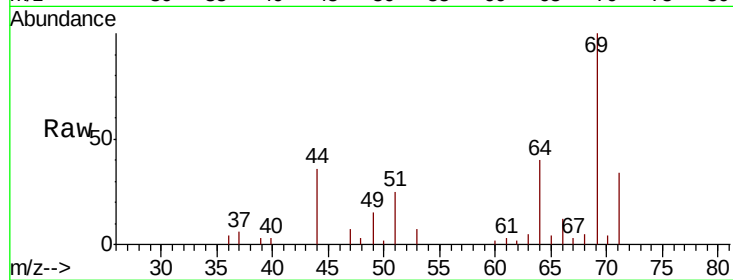
MDL04

Tot Ion: 64 Resp: 2830

Ion Ratio Lower Upper

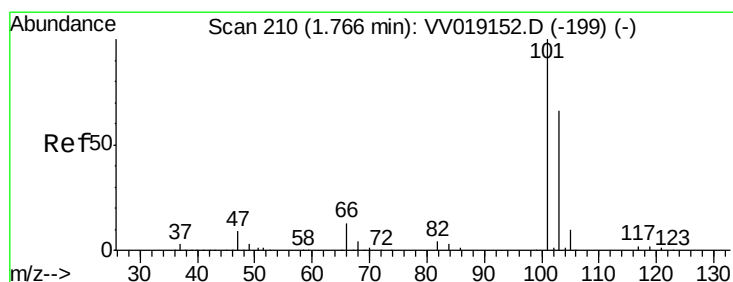
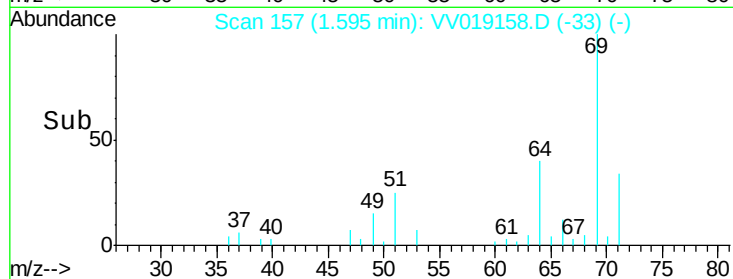
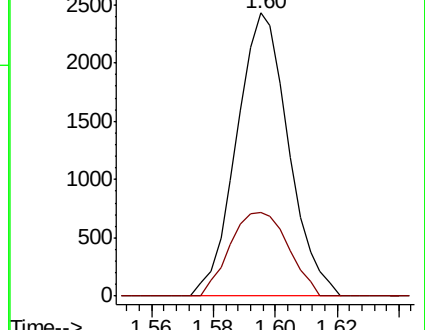
64 100

66 29.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019158.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019158.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 2.055 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019158.D

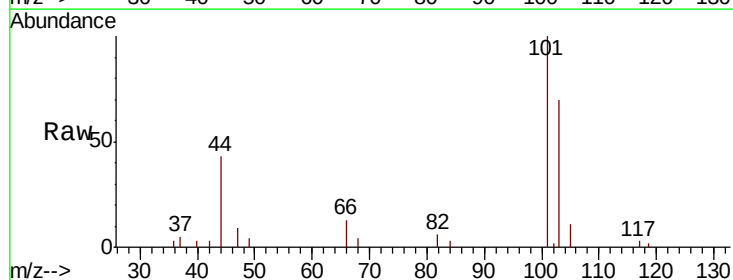
Acq: 29 Oct 2020 20:24

Tgt Ion: 101 Resp: 6194

Ion Ratio Lower Upper

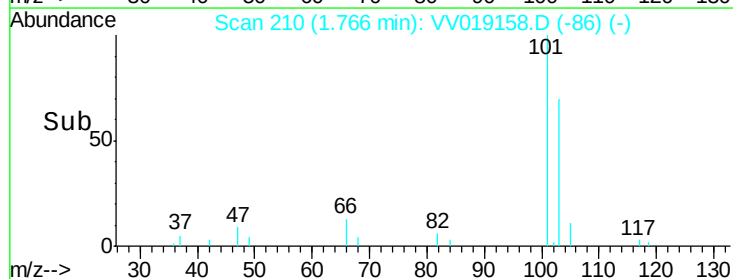
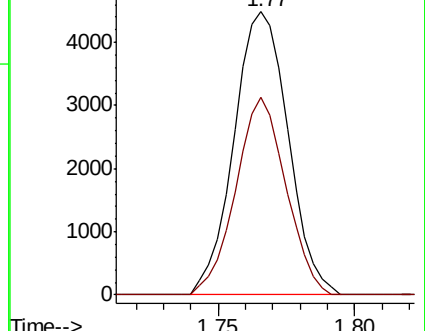
101 100

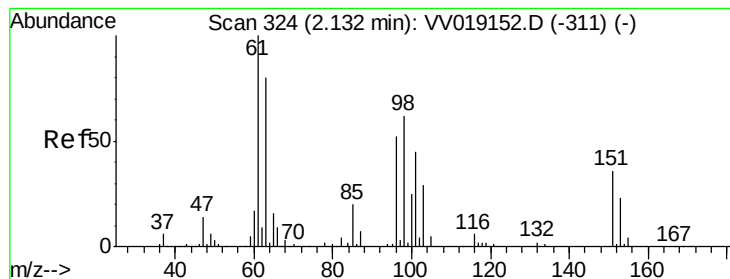
103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019158.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019158.D (-199) (-)





#10

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

Concen: 2.716 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

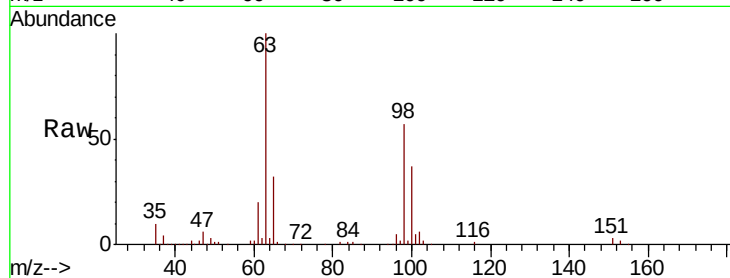
Tot Ion:101 Resp: 3941

Ion Ratio Lower Upper

101 100

85 32.9 36.1 54.1#

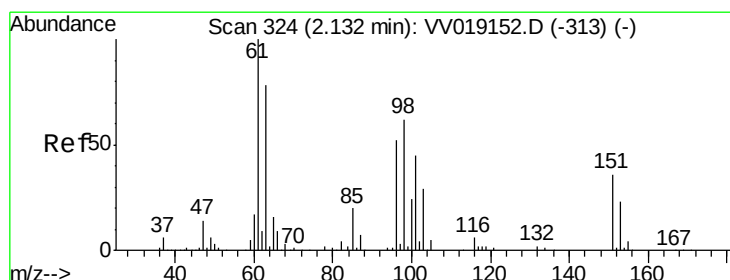
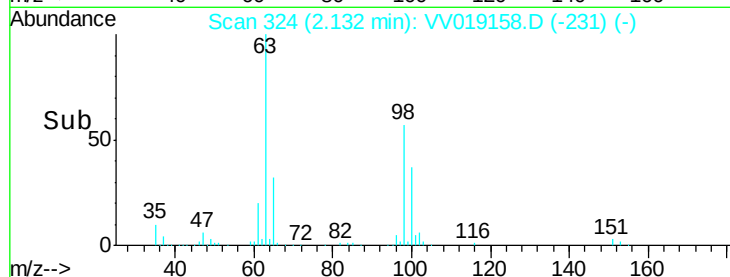
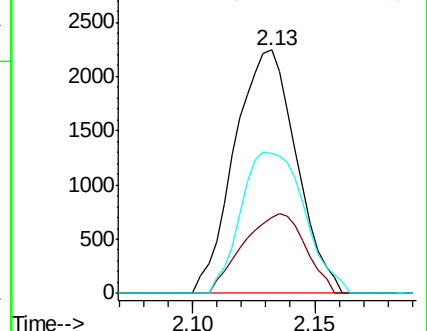
151 60.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.878 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

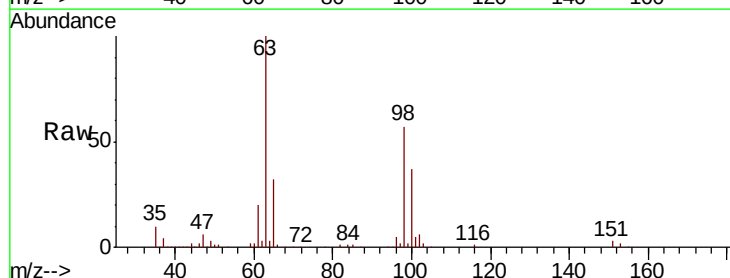
Tgt Ion: 96 Resp: 4089

Ion Ratio Lower Upper

96 100

61 385.4 132.6 246.2#

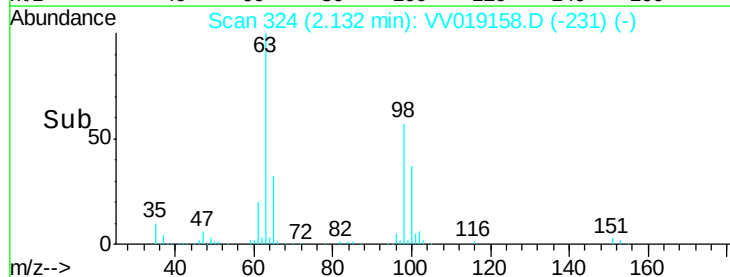
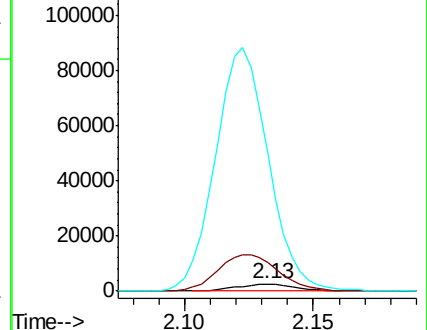
63 1882.1 108.4 201.4#

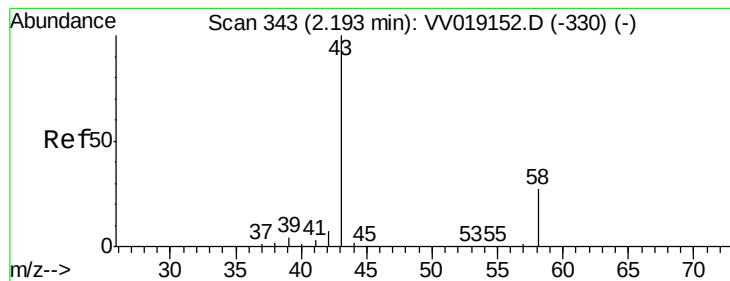


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.300 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

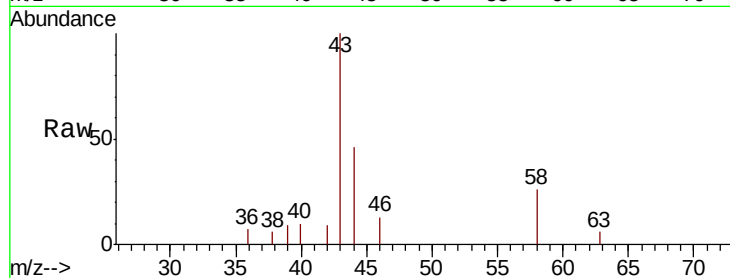
MDL04

Tot Ion: 43 Resp: 4308

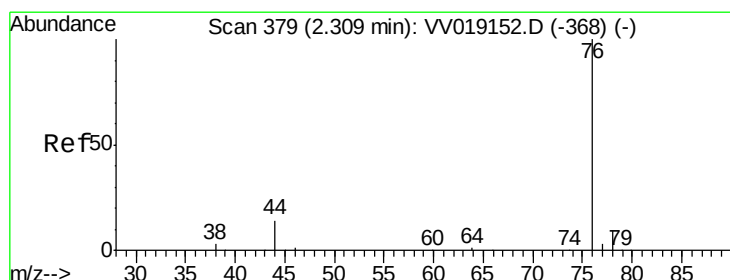
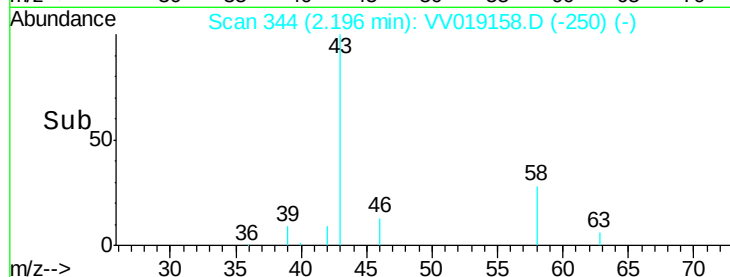
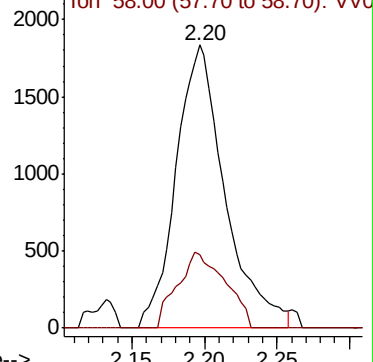
Ion Ratio Lower Upper

43 100

58 26.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019158.D (-250) (-)



#14

Carbon disulfide

Concen: 2.208 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019158.D

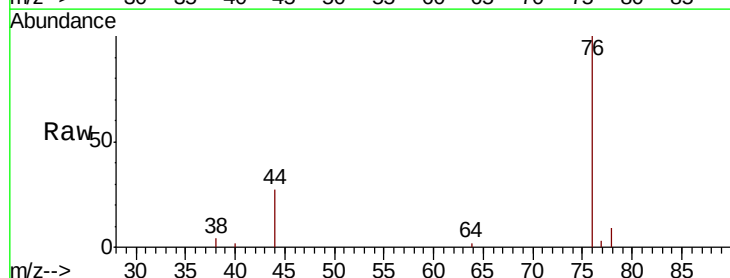
Acq: 29 Oct 2020 20:24

Tgt Ion: 76 Resp: 9971

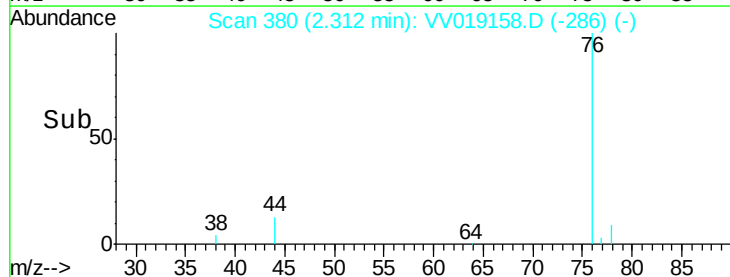
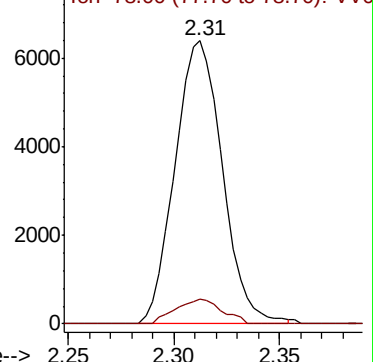
Ion Ratio Lower Upper

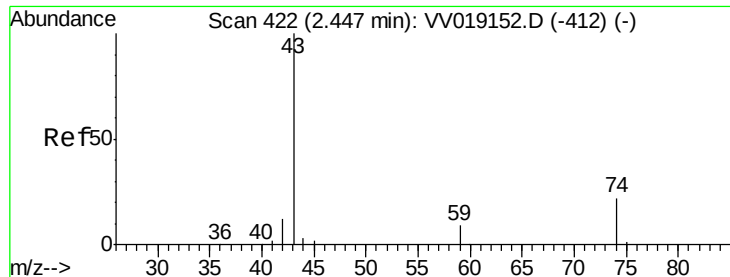
76 100

78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019158.D (-286) (-)

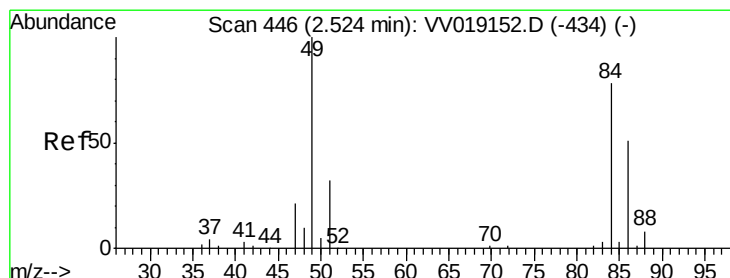
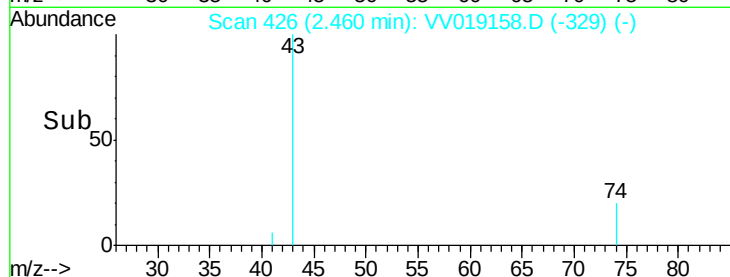
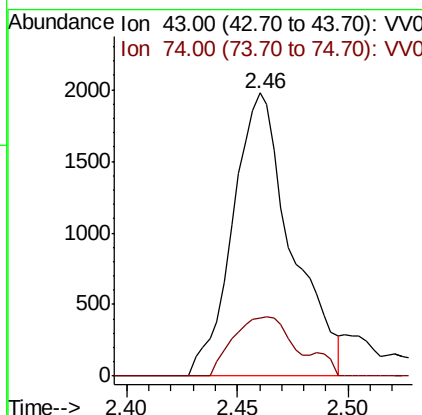
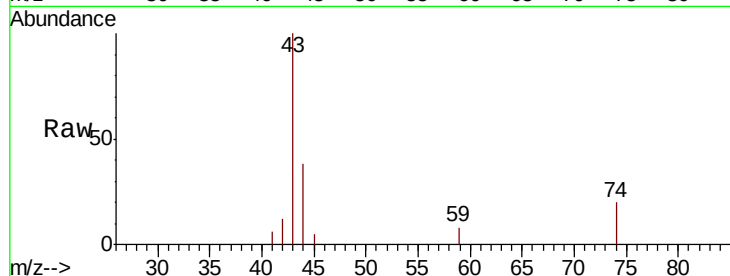




#15
Methvl Acetate
Concen: 2.262 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

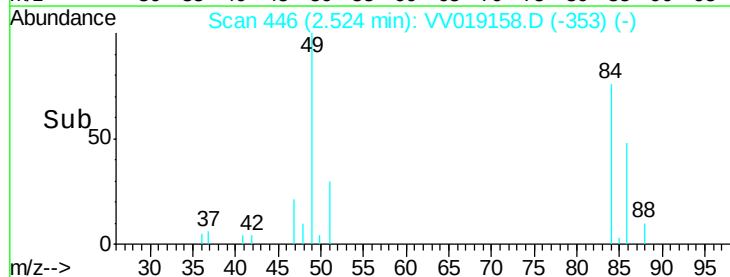
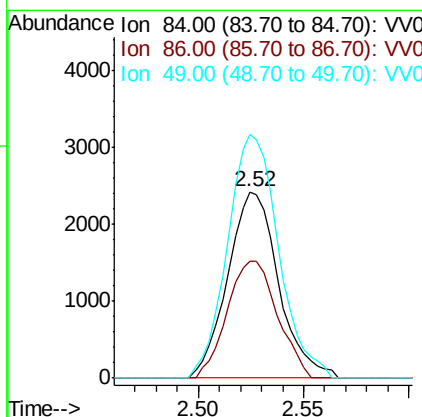
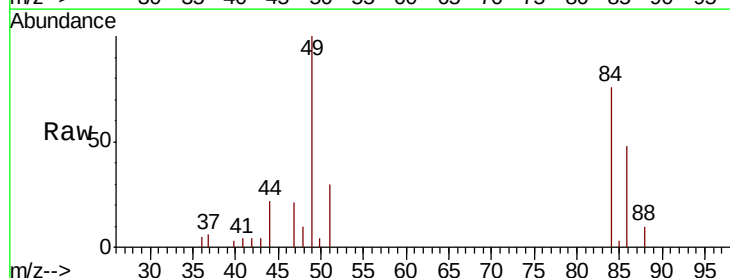
Instrument :
MSVOA_V
ClientSampleId :
MDL04

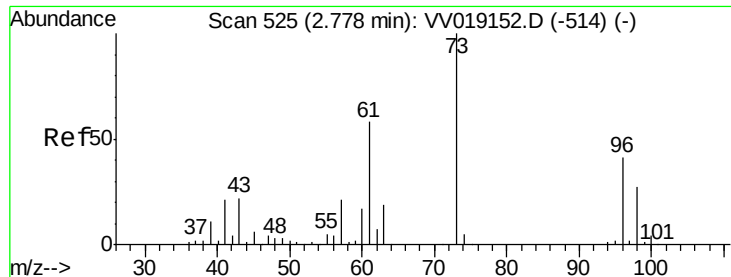
Tot Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
74 20.0 18.4 27.6



#16
Methylene chloride
Concen: 2.515 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 84 Resp: 4058
Ion Ratio Lower Upper
84 100
86 63.1 46.0 85.4
49 130.9 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.111 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

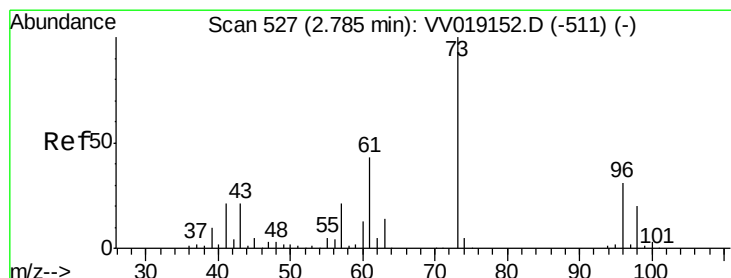
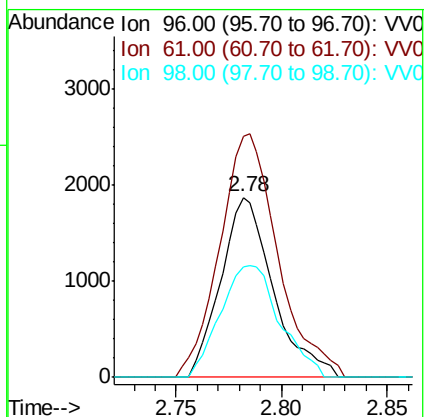
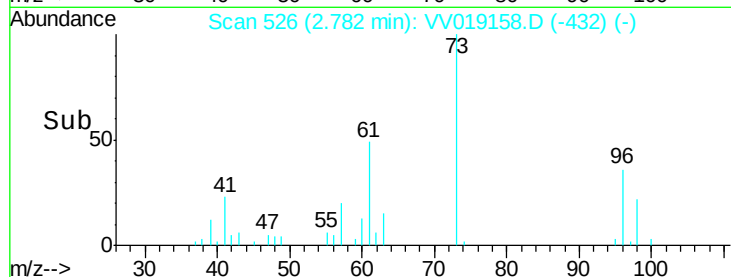
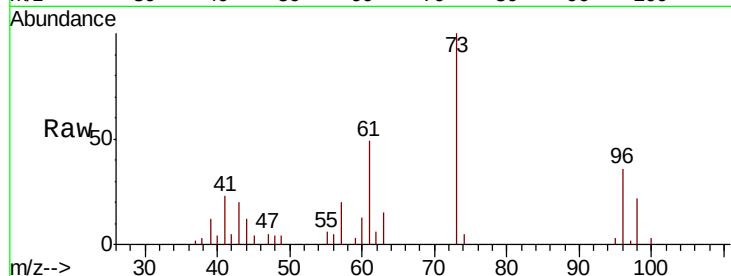
Tot Ion: 96 Resp: 3222

Ion Ratio Lower Upper

96 100

61 134.3 102.4 190.2

98 61.4 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 2.273 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

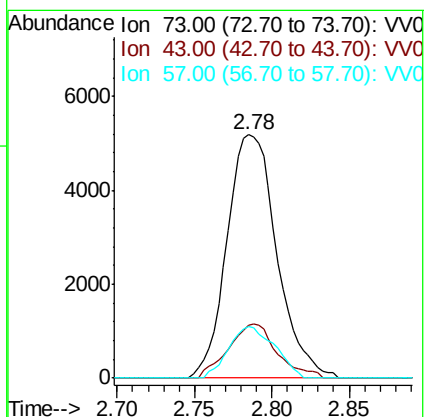
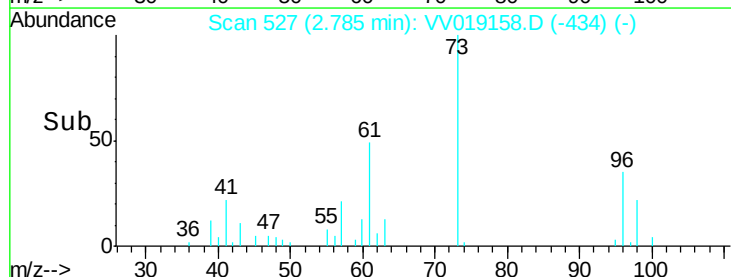
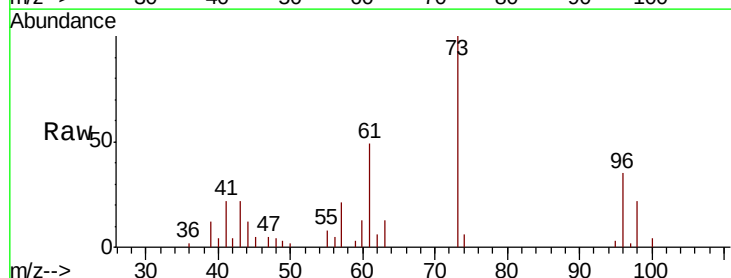
Tgt Ion: 73 Resp: 11617

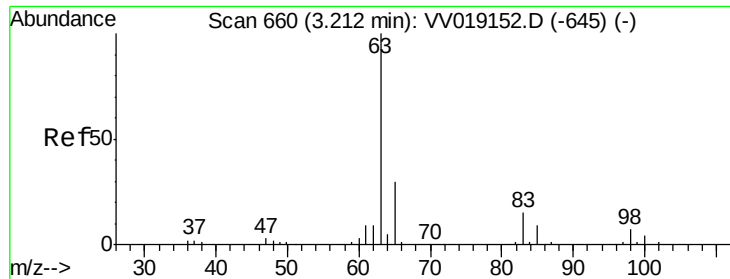
Ion Ratio Lower Upper

73 100

43 21.8 17.9 26.9

57 19.5 17.1 25.7

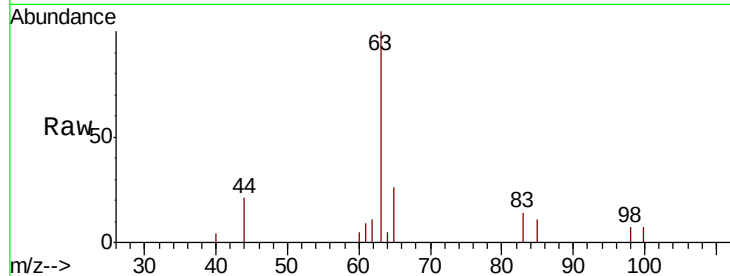




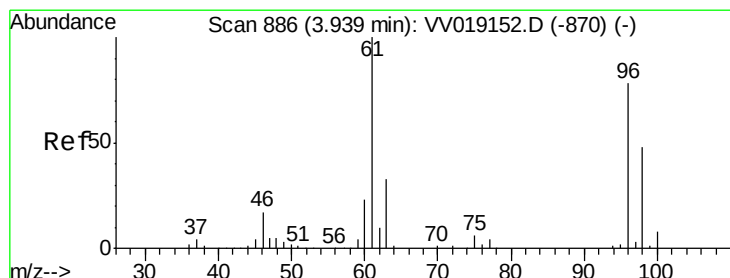
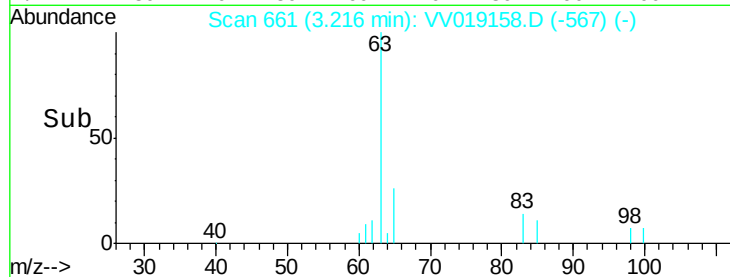
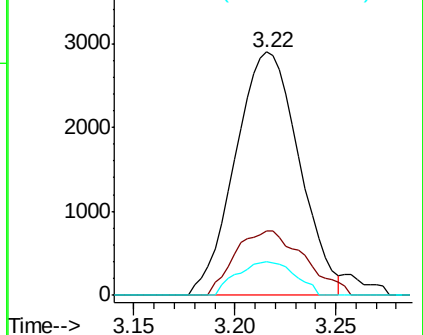
#19
 1,1-Dichloroethane
 Concen: 2.249 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 63 Resp: 6394
 Ion Ratio Lower Upper
 63 100
 65 26.3 22.0 40.8
 83 13.6 9.6 17.8

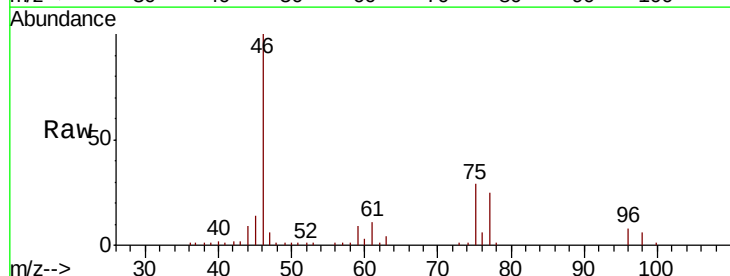


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

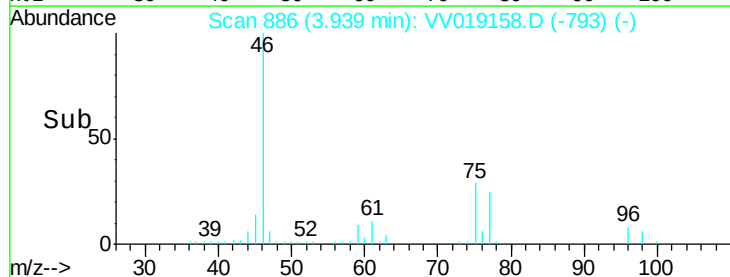
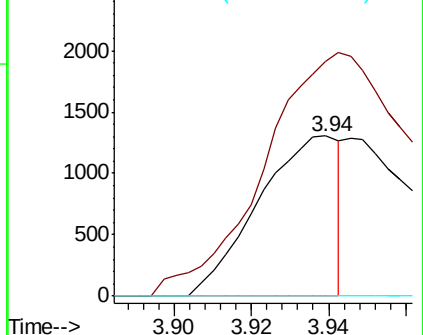


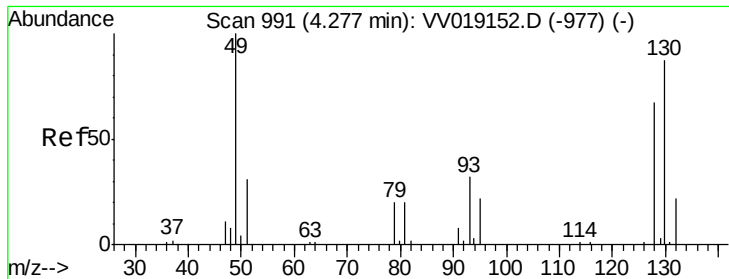
#20
 cis-1,2-Dichloroethene
 Concen: 1.134 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 96 Resp: 1900
 Ion Ratio Lower Upper
 96 100
 61 146.6 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



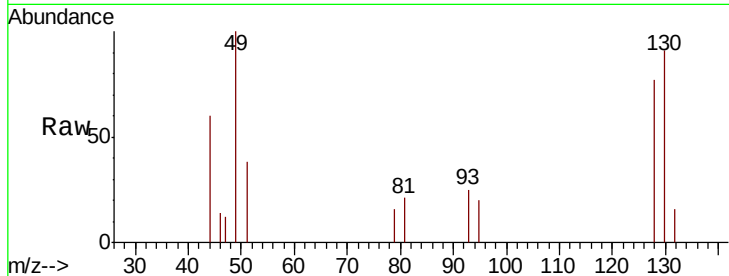


#23
Bromochloromethane
Concen: 2.183 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.02 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:128 Resp: 1962

Ion	Ratio	Lower	Upper
128	100		
49	130.1	108.5	201.5
130	118.8	90.4	167.8
51	49.7	36.9	55.3

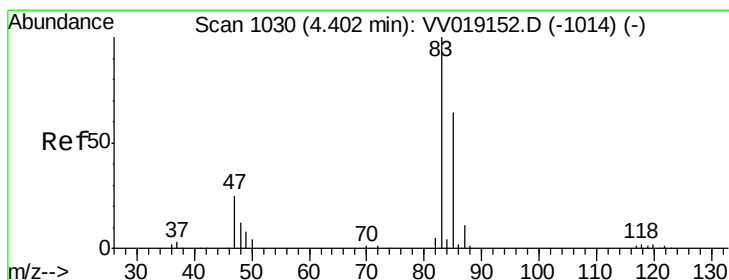
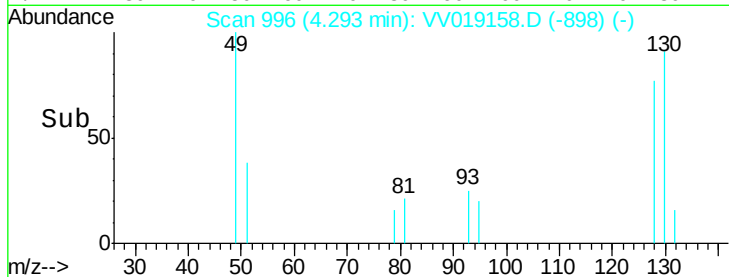
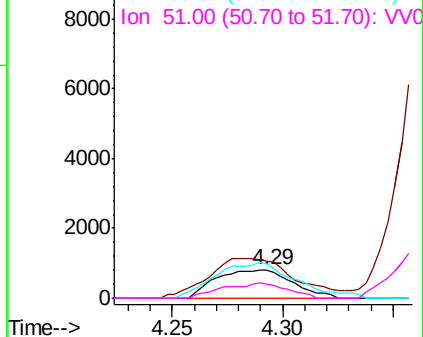


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

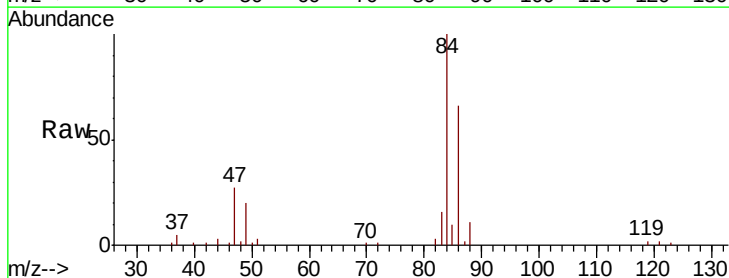
Ion 51.00 (50.70 to 51.70): VV0



#25
Chloroform
Concen: 2.884 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

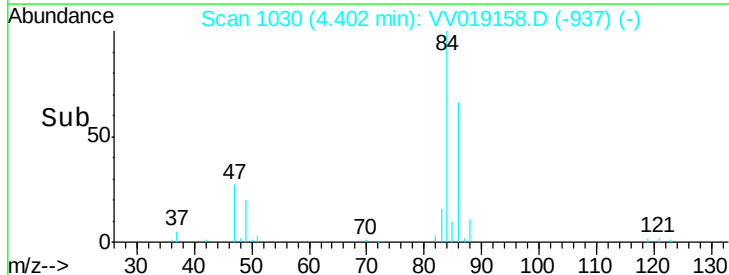
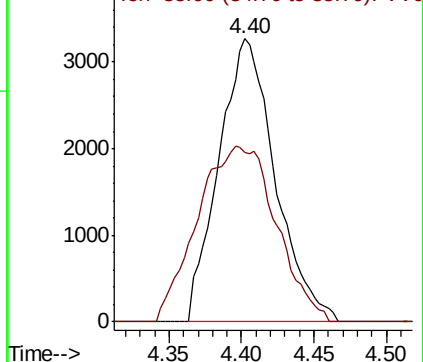
Tgt Ion: 83 Resp: 8862

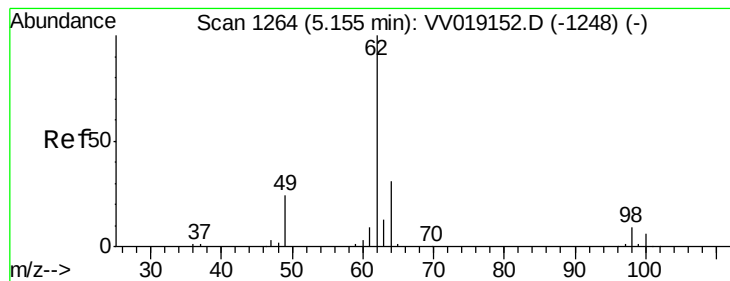
Ion	Ratio	Lower	Upper
83	100		
85	59.9	45.1	83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.479 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

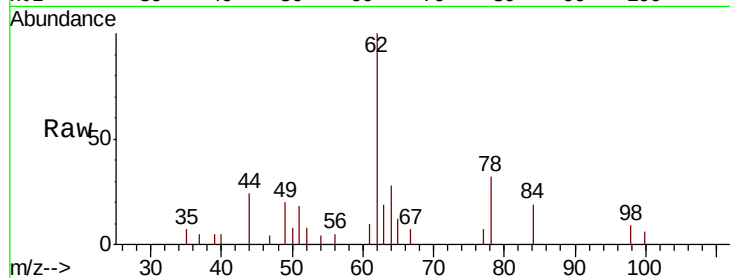
MDL04

Tot Ion: 62 Resp: 6484

Ion Ratio Lower Upper

62 100

98 8.8 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV019158.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VV019158.D (-1171) (-)

3000

2500

2000

1500

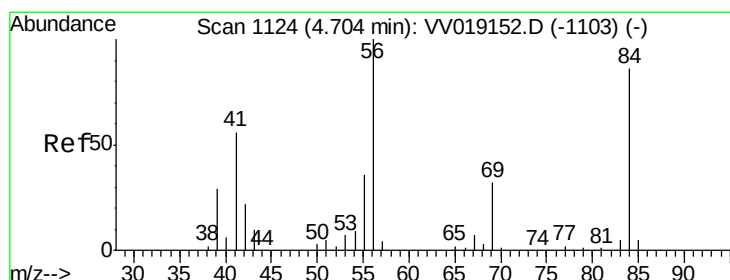
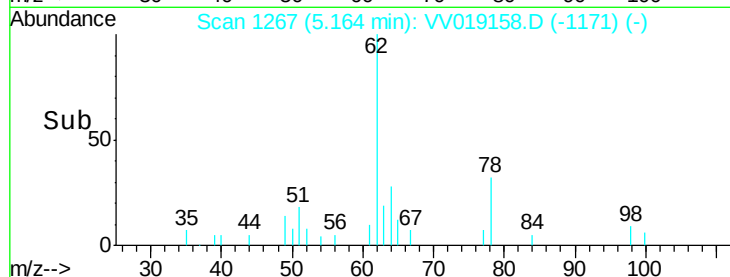
1000

500

0

5.10 5.15 5.20 5.25

Time-->



#29

Cyclohexane

Concen: 1.878 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

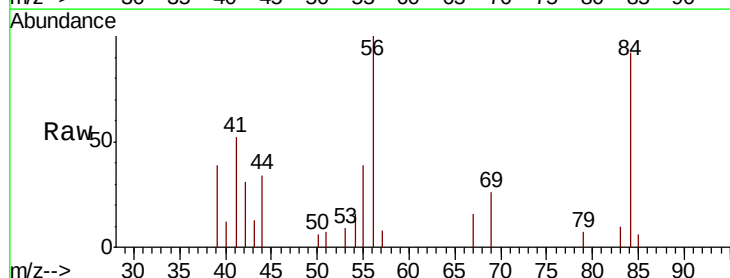
Tgt Ion: 56 Resp: 4407

Ion Ratio Lower Upper

56 100

69 18.2 25.0 37.4#

84 96.6 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019158.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV019158.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV019158.D (-1031) (-)

2000

1500

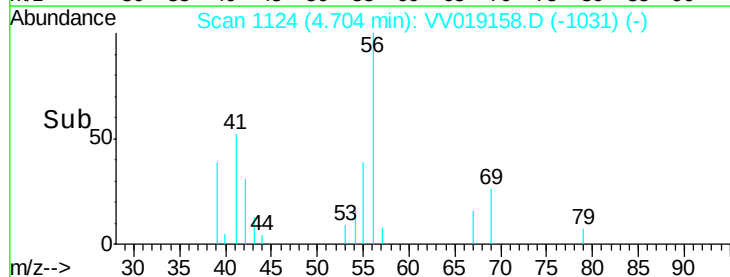
1000

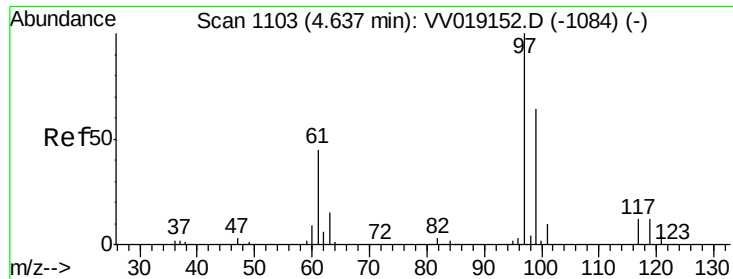
500

0

4.65 4.70 4.75

Time-->

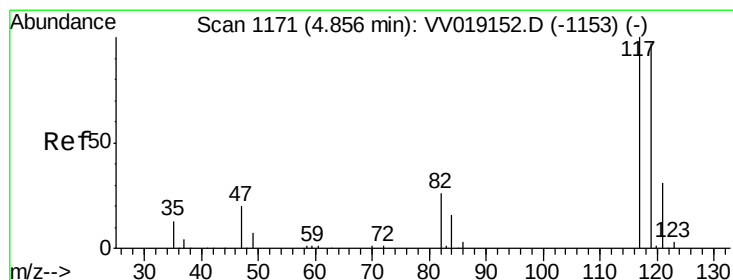
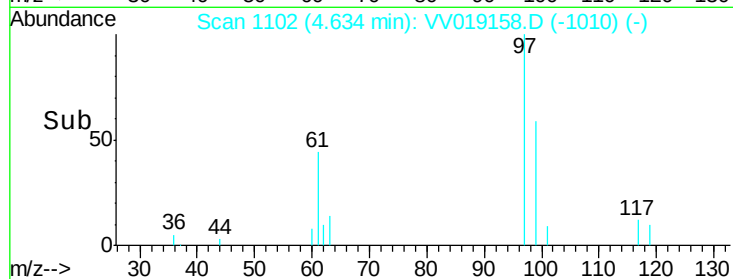
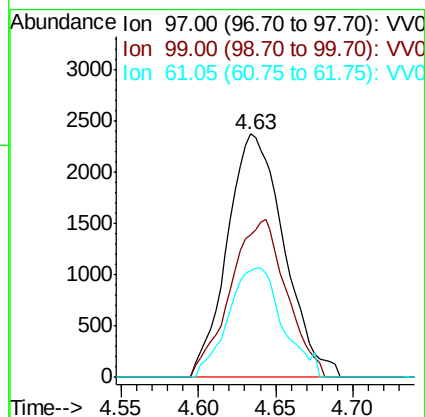
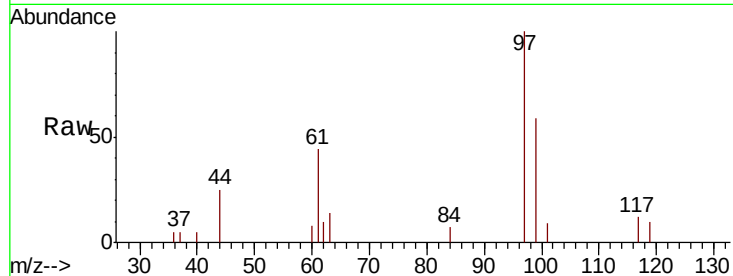




#30
 1,1,1-Trichloroethane
 Concen: 2.122 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

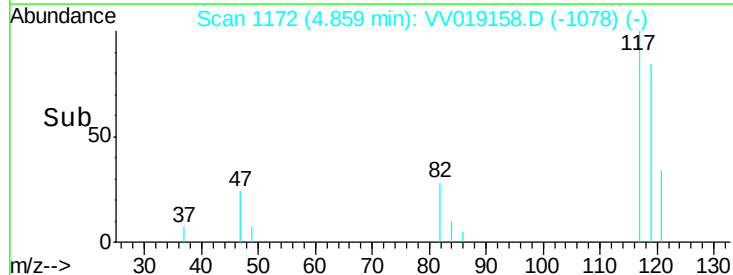
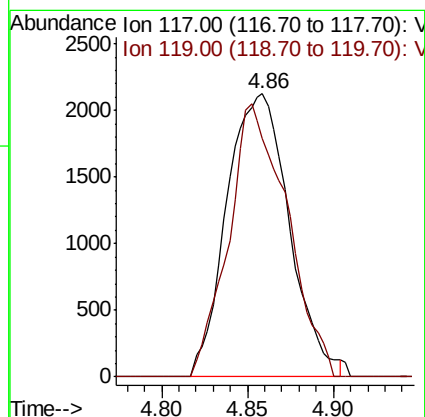
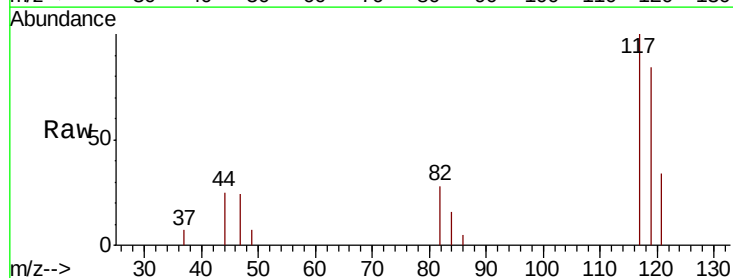
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

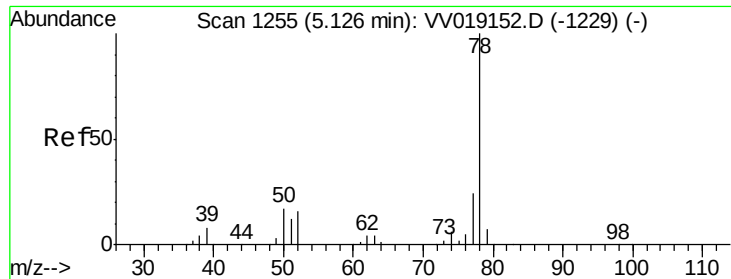
Tot Ion: 97 Resp: 6045
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.3 76.9
 61 42.3 34.6 52.0



#31
 Carbon tetrachloride
 Concen: 2.128 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 117 Resp: 5376
 Ion Ratio Lower Upper
 117 100
 119 90.5 77.2 115.8

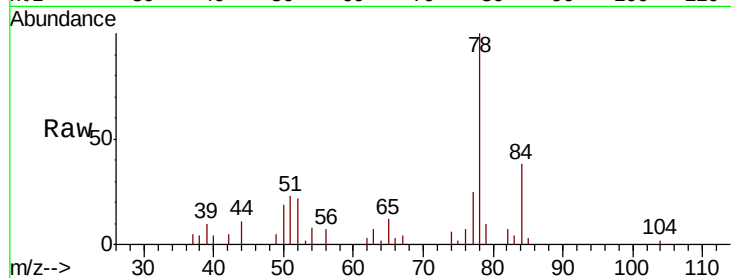




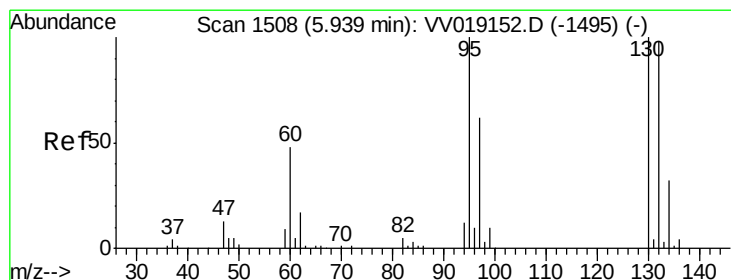
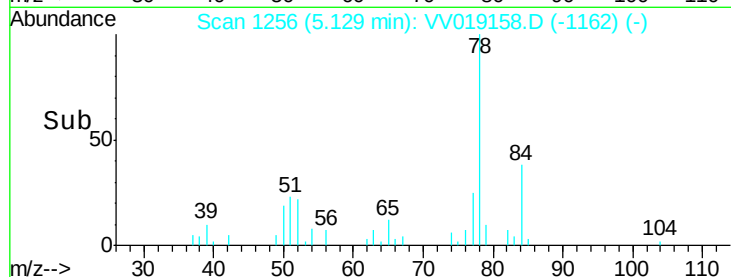
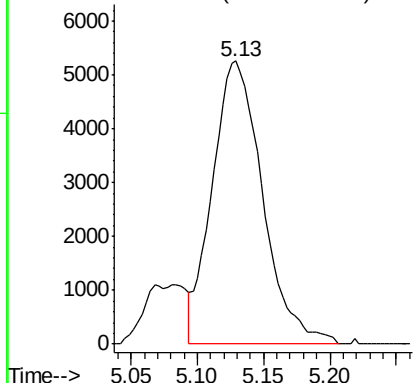
#33
Benzene
Concen: 2.291 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 78 Resp: 13888



Abundance Ion 78.00 (77.70 to 78.70): VV0

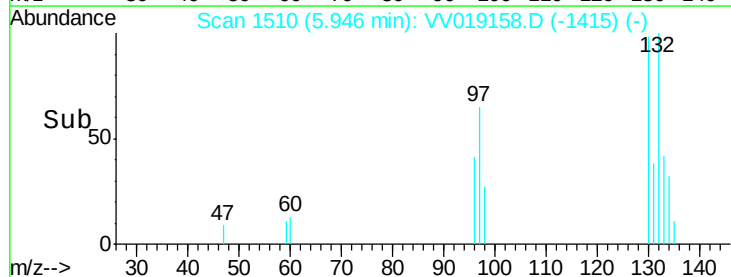
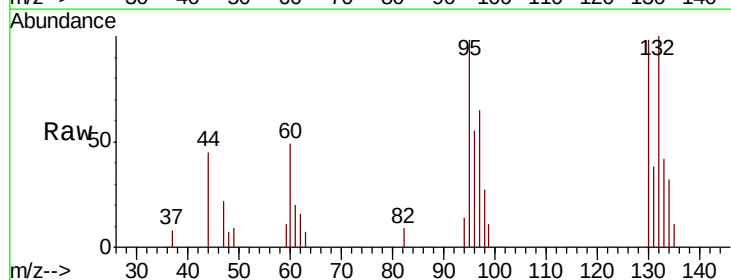
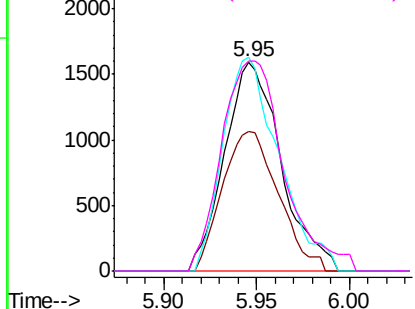


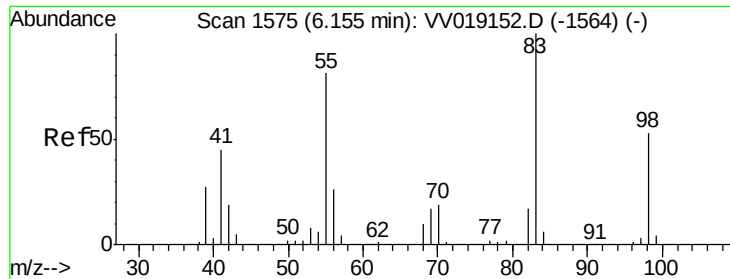
#34
Trichloroethene
Concen: 2.025 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 95 Resp: 3363

Ion	Ratio	Lower	Upper
95	100		
97	67.0	43.4	80.6
132	102.4	69.7	129.4
130	100.6	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

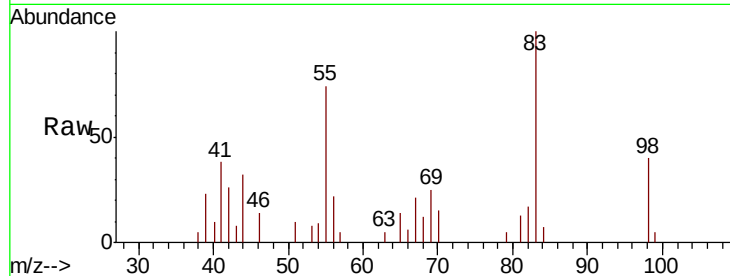




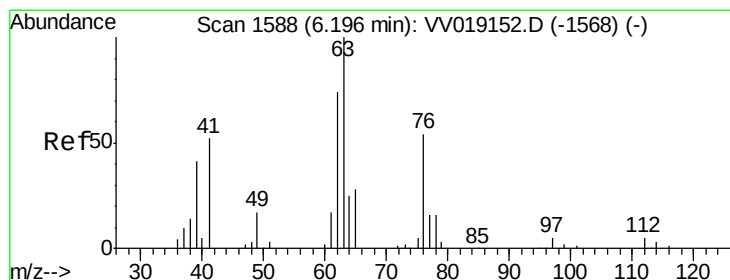
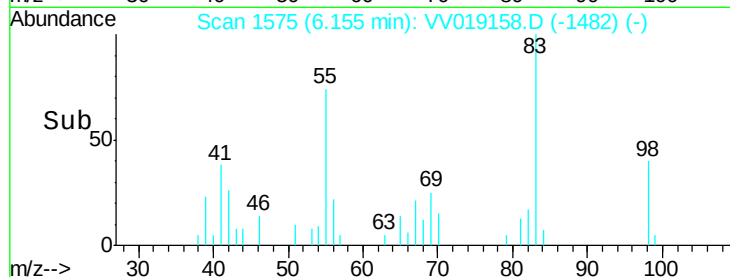
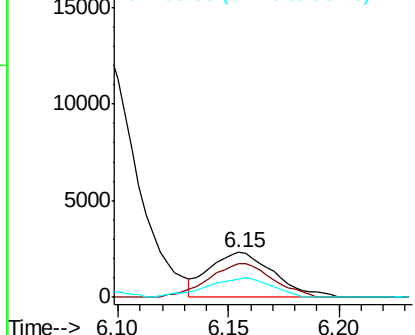
#35
Methylvlcyclohexane
Concen: 2.100 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 83 Resp: 4708
Ion Ratio Lower Upper
83 100
55 74.0 62.2 93.4
98 43.1 39.4 59.2

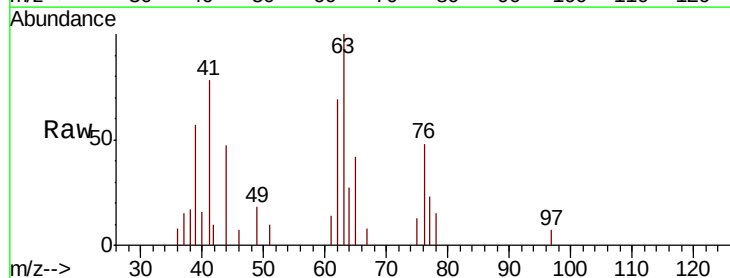


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

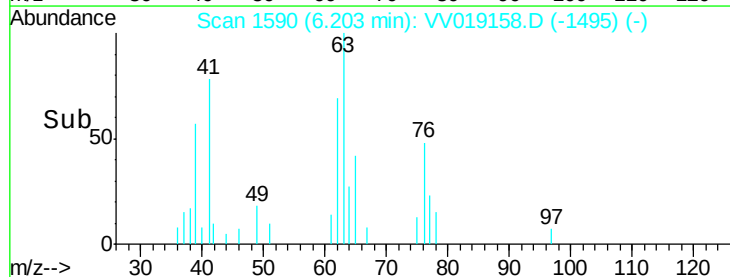
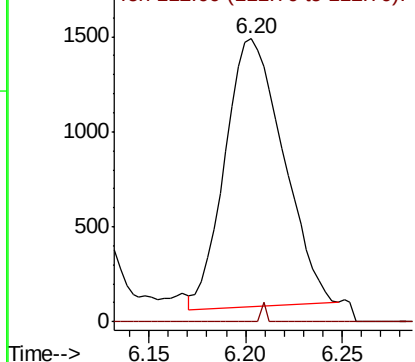


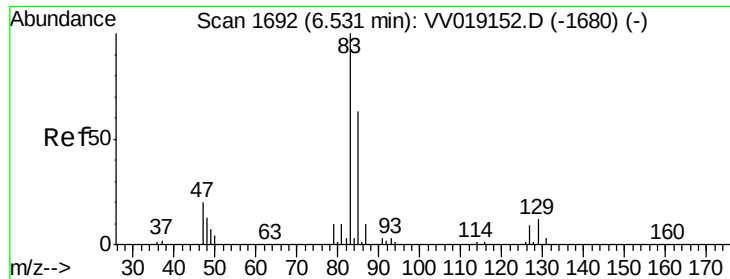
#37
1,2-Dichloropropane
Concen: 1.970 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 63 Resp: 2966
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: 2.148 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

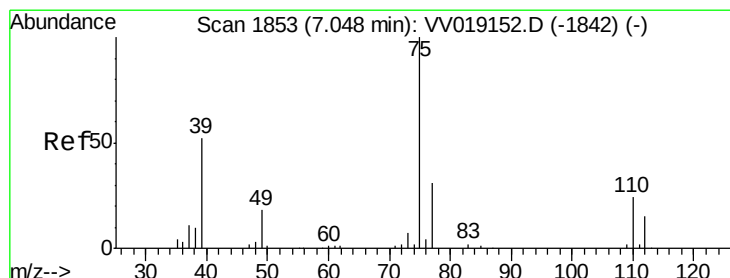
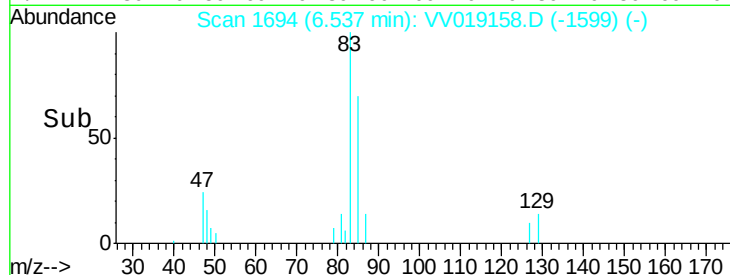
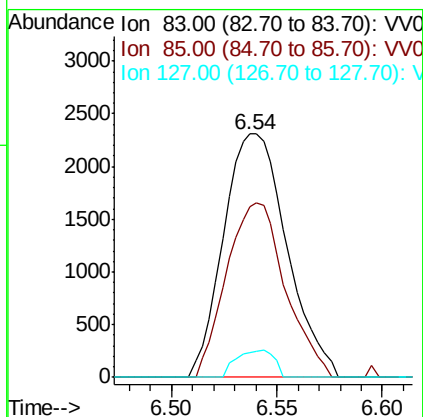
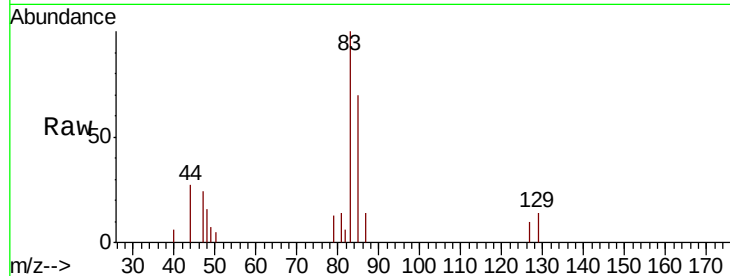
Tot Ion: 83 Resp: 4811

Ion Ratio Lower Upper

83 100

85 69.9 45.9 85.3

127 10.3 6.9 10.3#



#39

cis-1,3-Dichloropropene

Concen: 2.039 ug/L

RT: 7.06 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VV019158.D

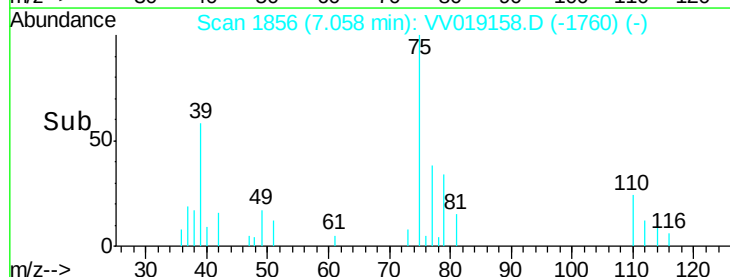
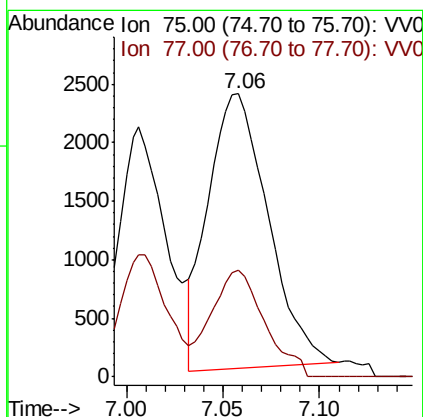
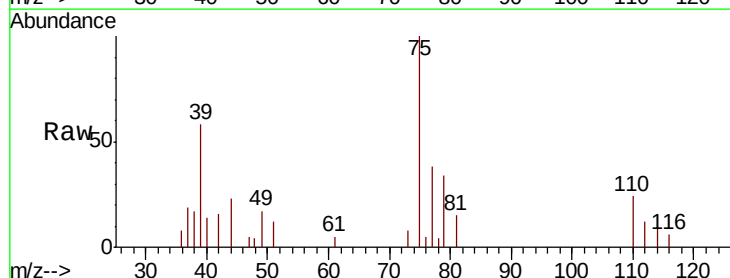
Acq: 29 Oct 2020 20:24

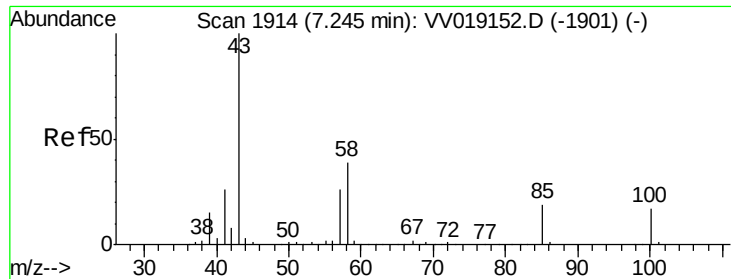
Tgt Ion: 75 Resp: 5070

Ion Ratio Lower Upper

75 100

77 37.6 22.7 42.1

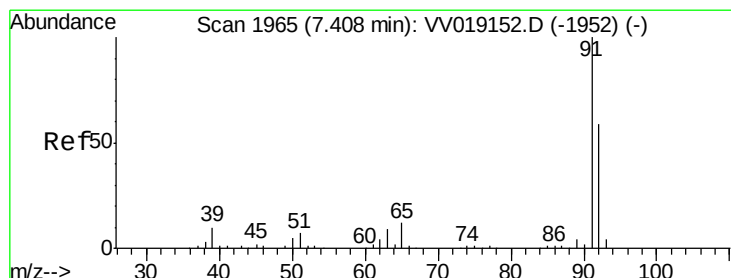
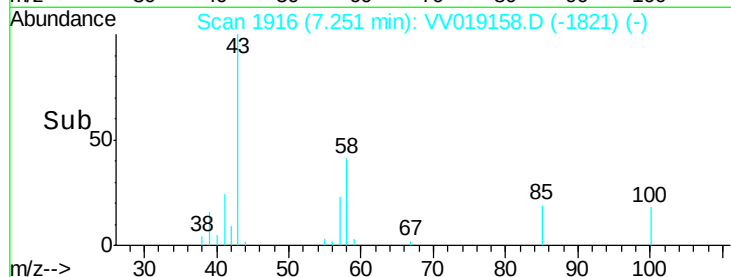
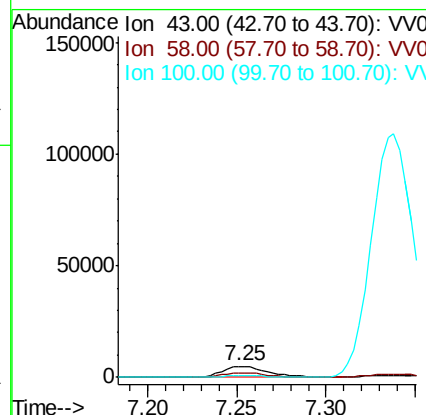
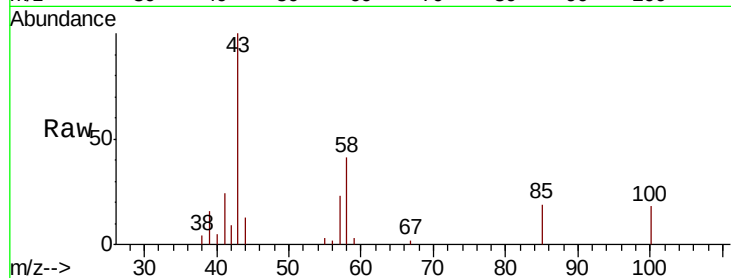




#40
4-Methyl-2-pentanone
Concen: 4.442 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

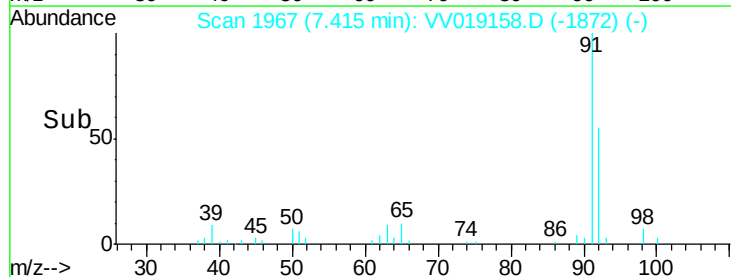
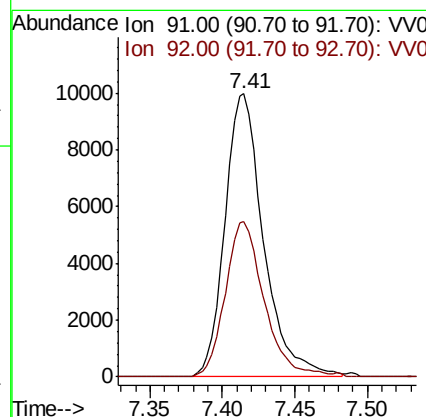
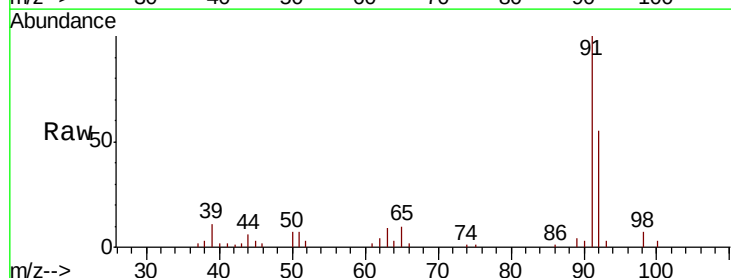
Instrument :
MSVOA_V
ClientSampled :
MDL04

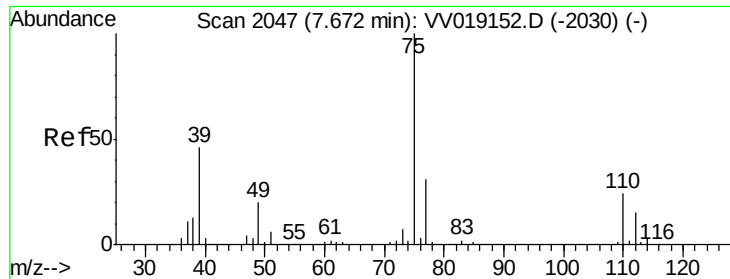
Tot Ion: 43 Resp: 9226
Ion Ratio Lower Upper
43 100
58 39.6 31.0 46.4
100 15.4 13.2 19.8



#42
Toluene
Concen: 2.781 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 91 Resp: 18481
Ion Ratio Lower Upper
91 100
92 54.9 41.5 77.1





#44

trans-1,3-Dichloropropene

Concen: 2.086 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

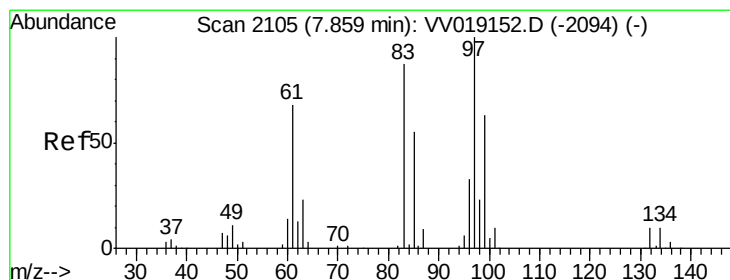
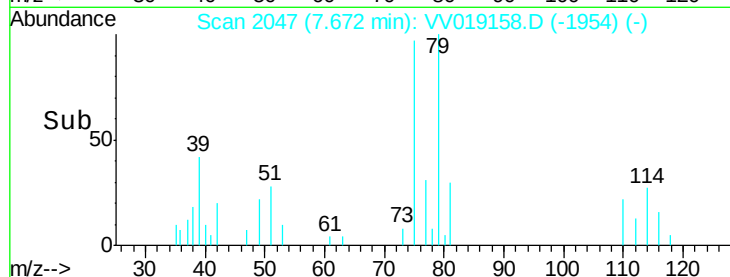
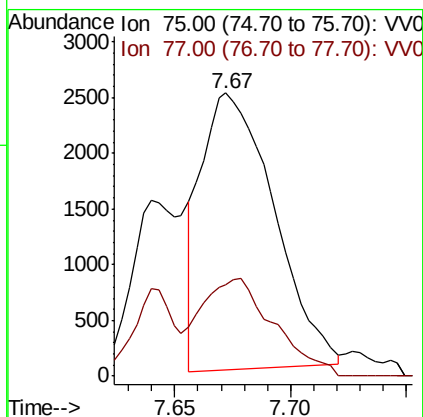
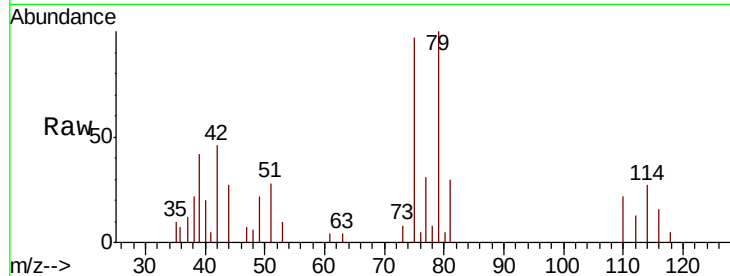
MDL04

Tot Ion: 75 Resp: 5395

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 2.303 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion: 97 Resp: 3477

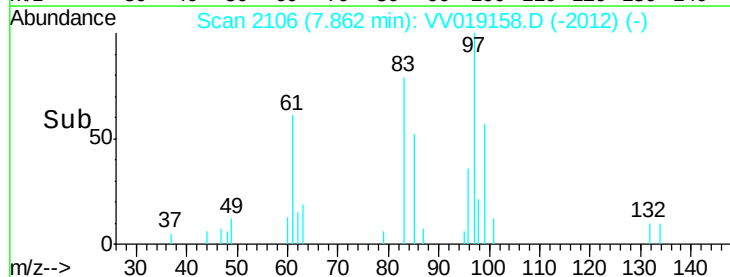
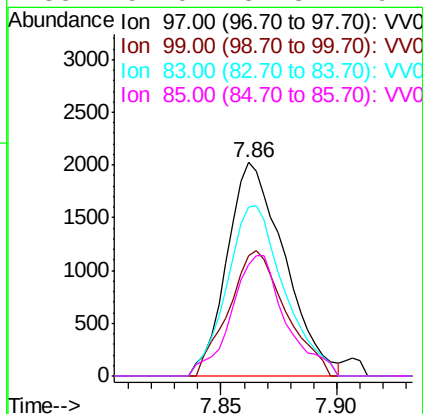
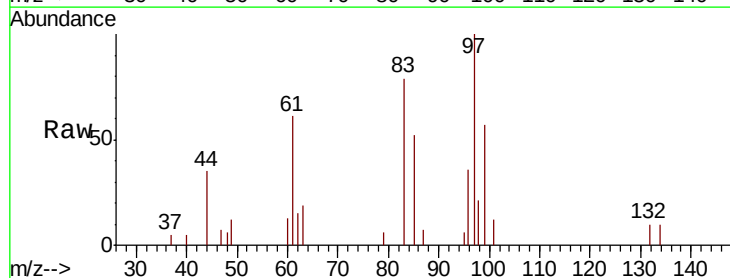
Ion Ratio Lower Upper

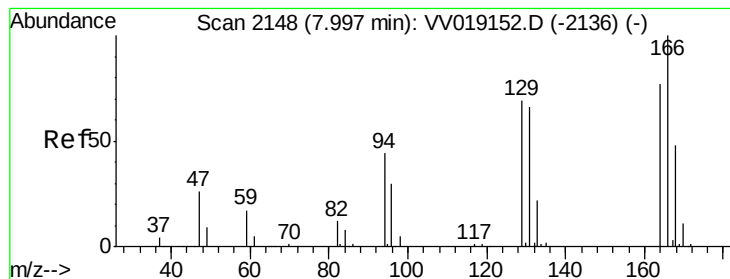
97 100

99 56.6 43.1 80.1

83 79.4 58.3 108.3

85 52.0 37.8 70.2





#46

Tetrachloroethene

Concen: 1.935 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:164 Resp: 2744

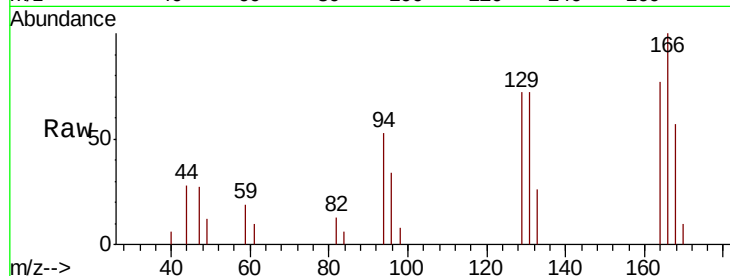
Ion Ratio Lower Upper

164 100

129 93.6 63.2 117.4

131 94.0 60.3 112.1

166 130.4 88.3 163.9

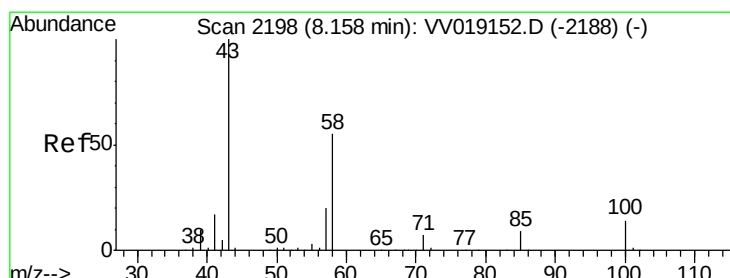
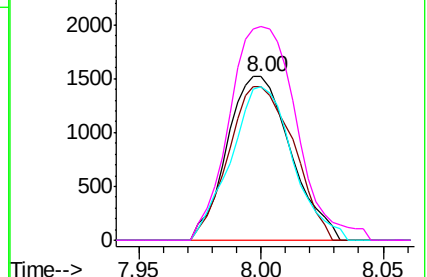
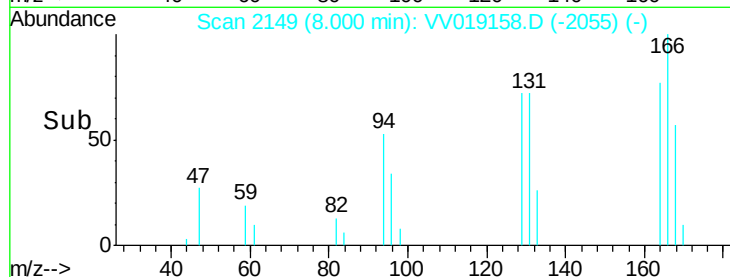


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.996 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion: 43 Resp: 8247

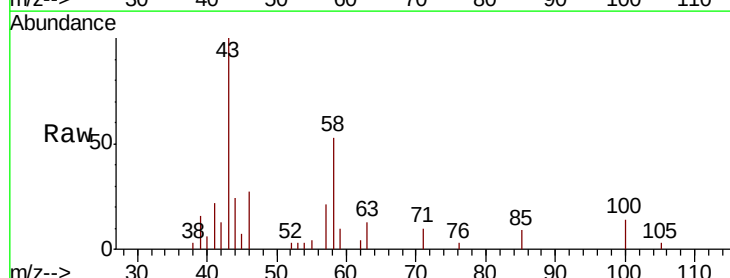
Ion Ratio Lower Upper

43 100

58 50.9 43.6 65.4

57 19.8 16.0 24.0

100 13.9 10.3 15.5

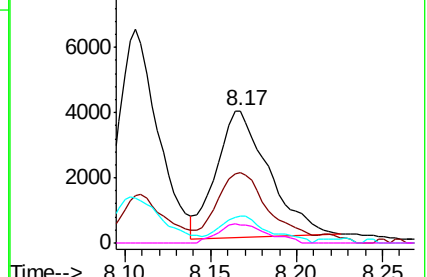
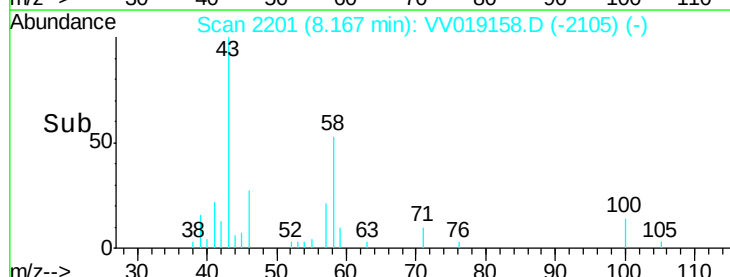


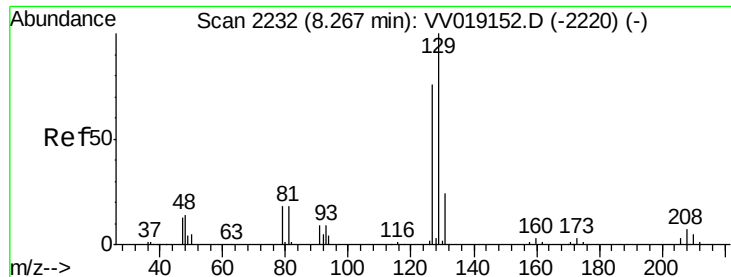
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.261 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

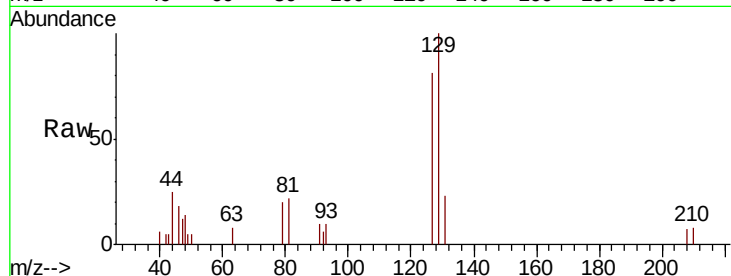
MDL04

Tot Ion:129 Resp: 4133

Ion Ratio Lower Upper

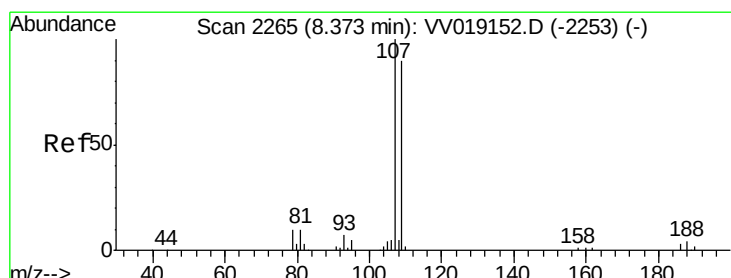
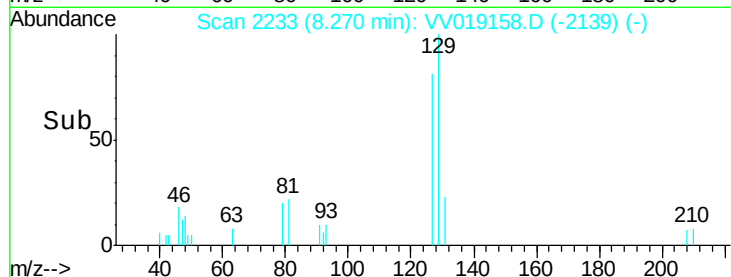
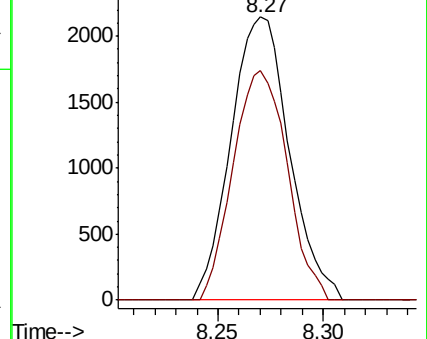
129 100

127 81.0 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.237 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

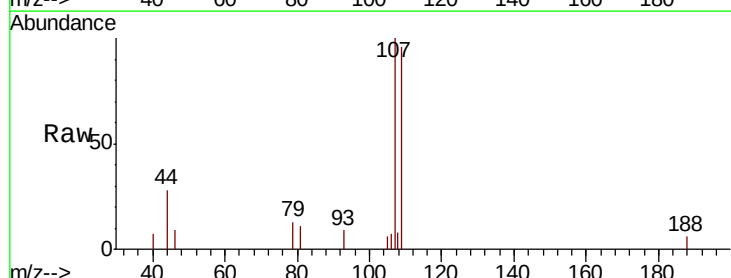
Tgt Ion:107 Resp: 3603

Ion Ratio Lower Upper

107 100

109 95.6 65.7 121.9

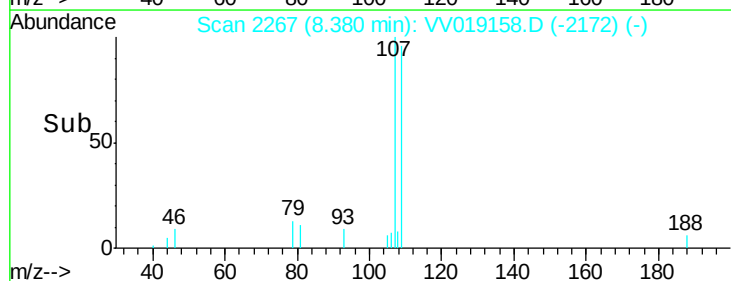
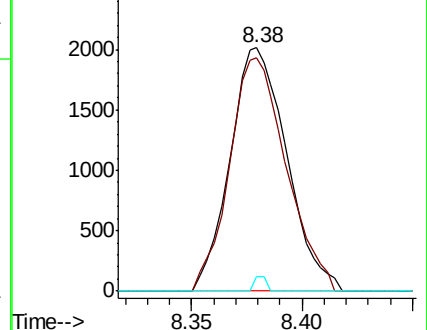
188 6.1 3.4 5.2#

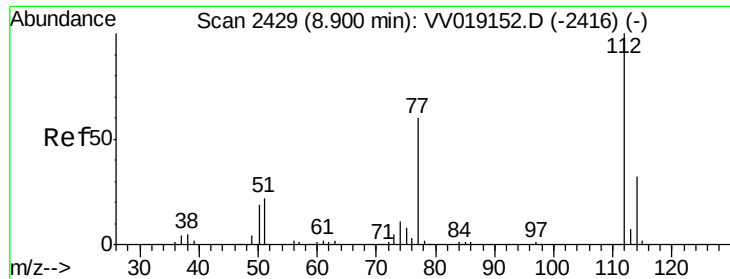


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

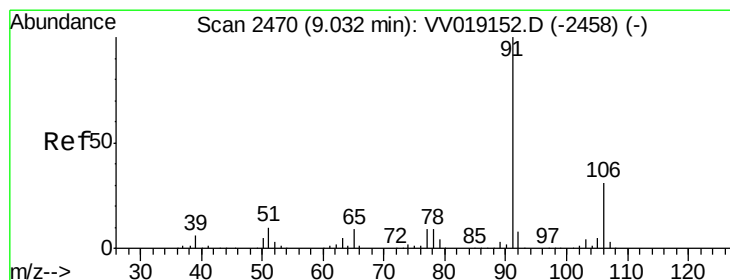
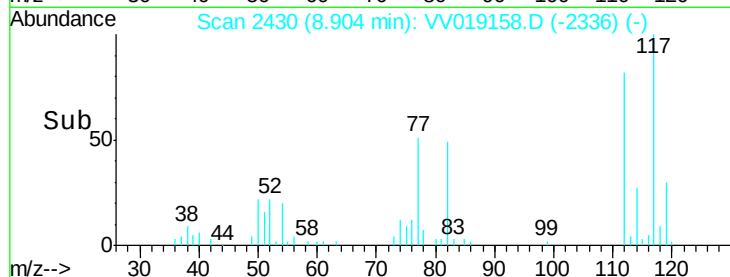
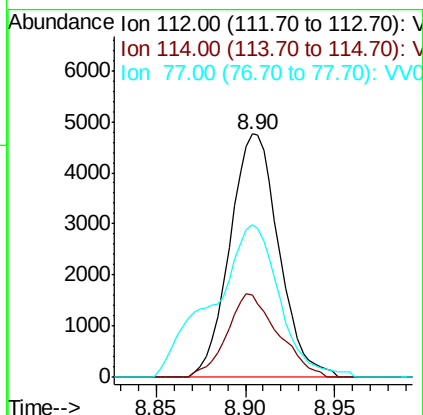
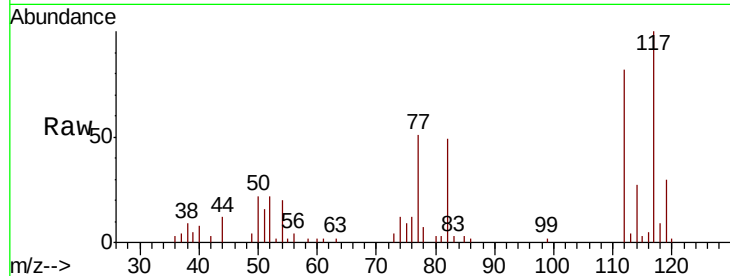




#51
Chlorobenzene
Concen: 2.092 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

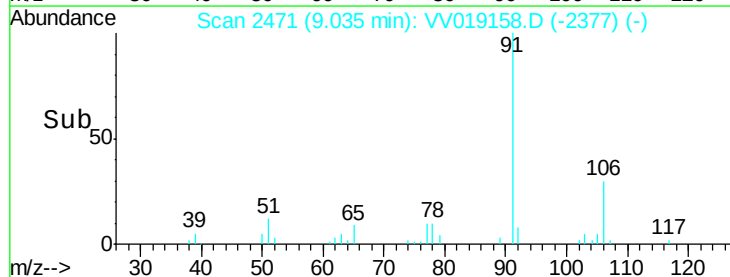
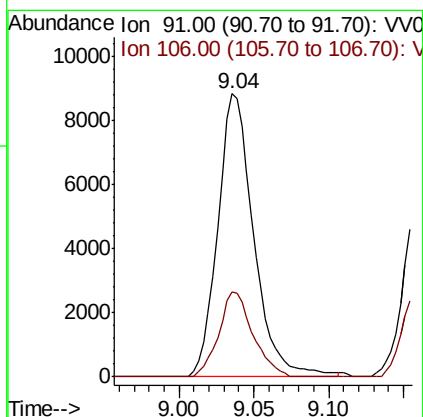
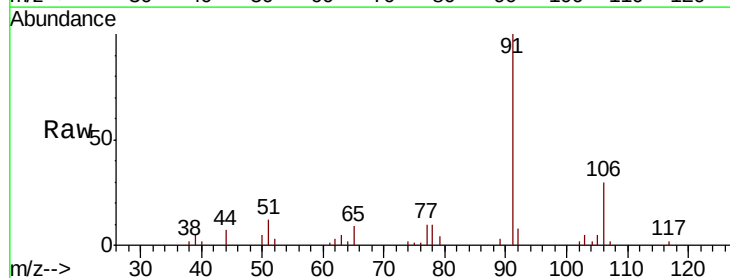
Instrument :
MSVOA_V
ClientSampleId :
MDL04

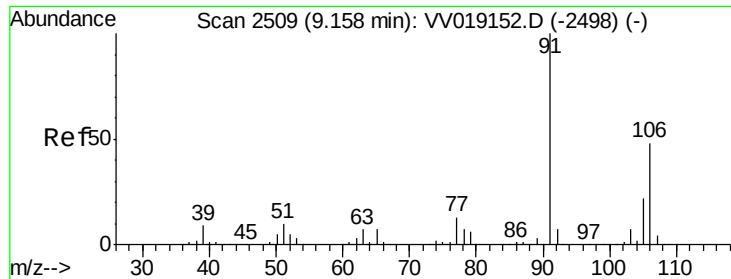
Tot Ion:112 Resp: 9114
Ion Ratio Lower Upper
112 100
114 33.6 22.3 41.5
77 62.9 46.7 70.1



#52
Ethylbenzene
Concen: 2.021 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 91 Resp: 14798
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0

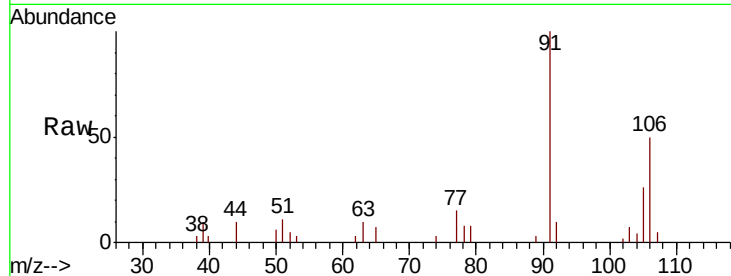




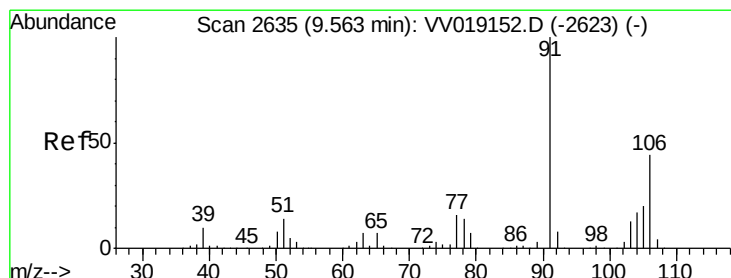
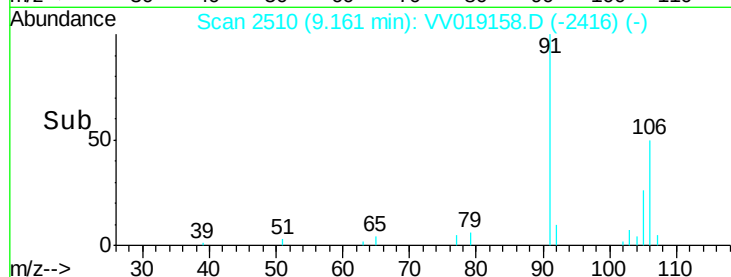
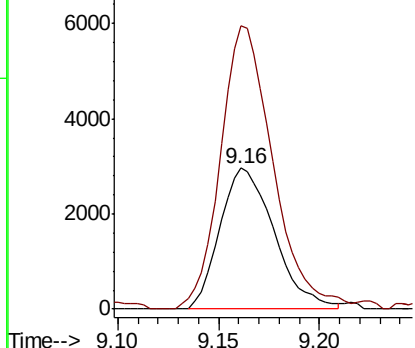
#53
m,p-Xylene
Concen: 2.020 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 5587
Ion Ratio Lower Upper
106 100
91 200.9 145.4 270.0

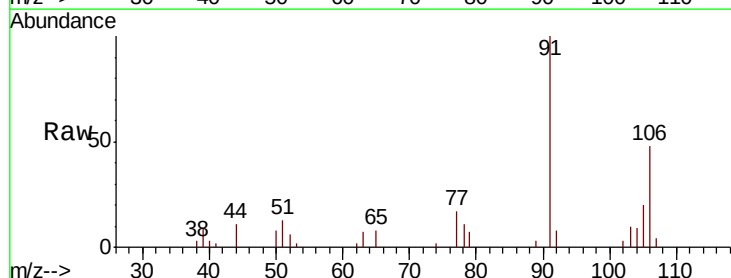


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

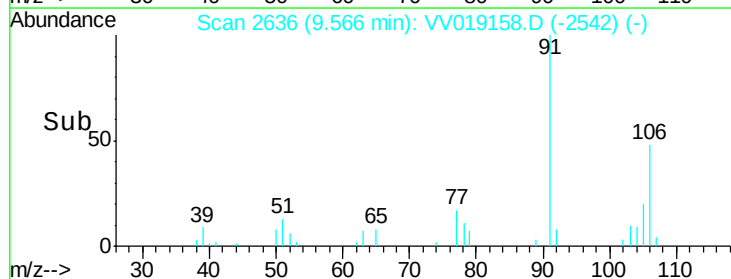
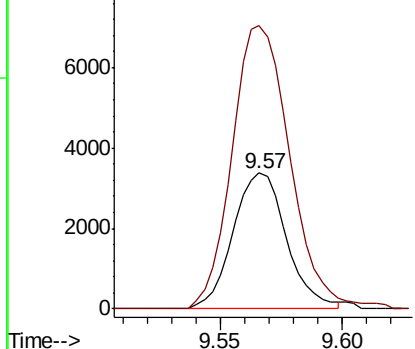


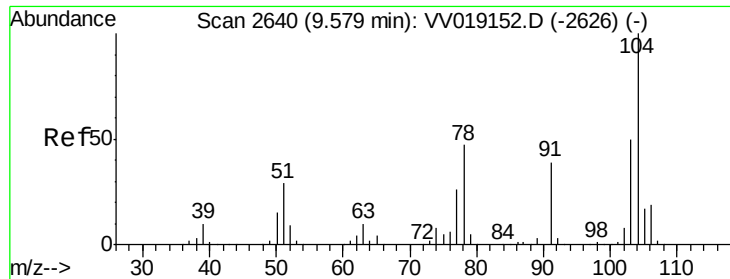
#54
o-xylene
Concen: 1.937 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion:106 Resp: 5145
Ion Ratio Lower Upper
106 100
91 208.2 153.4 285.0



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





#55

Stvrene

Concen: 1.736 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

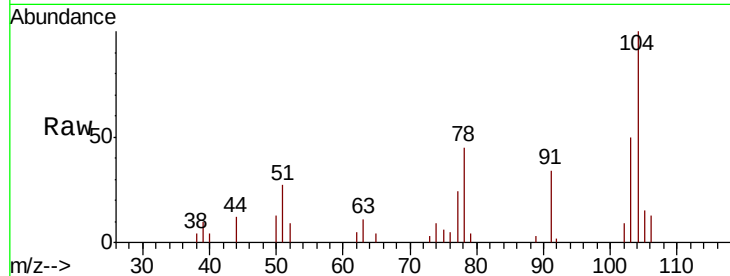
MDL04

Tot Ion:104 Resp: 8172

Ion Ratio Lower Upper

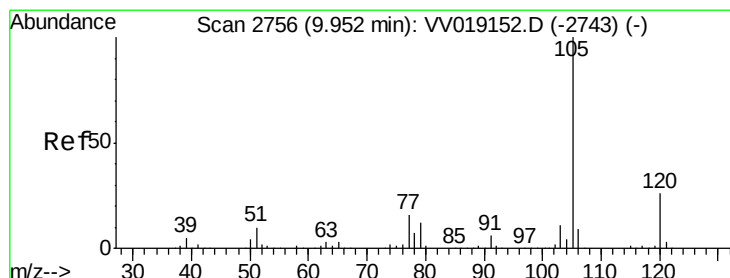
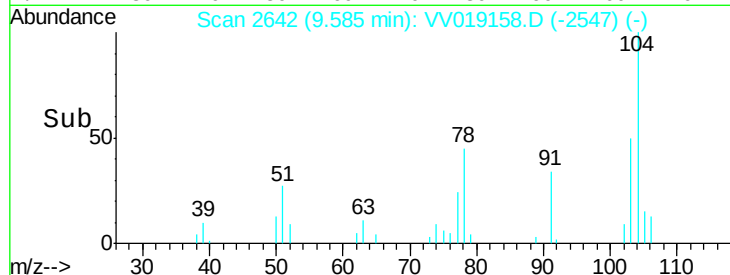
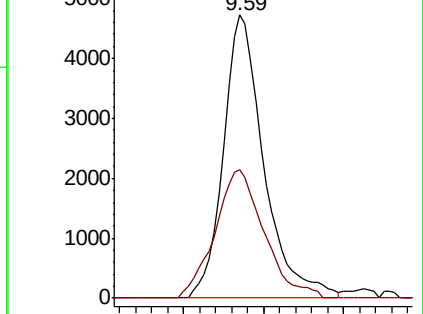
104 100

78 45.4 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: 1.727 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

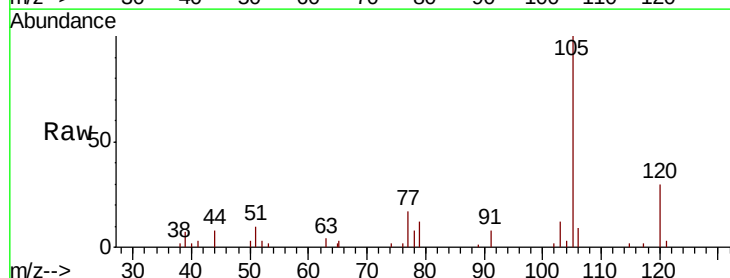
Tgt Ion:105 Resp: 12327

Ion Ratio Lower Upper

105 100

120 27.2 21.3 31.9

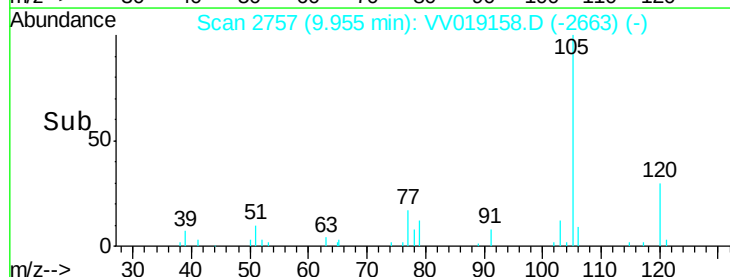
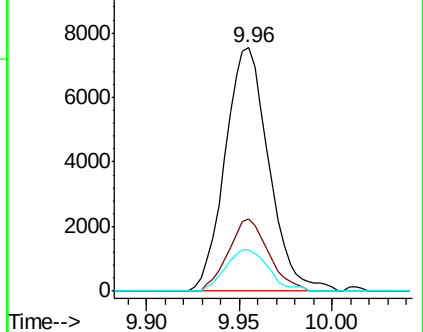
77 16.9 13.0 19.4

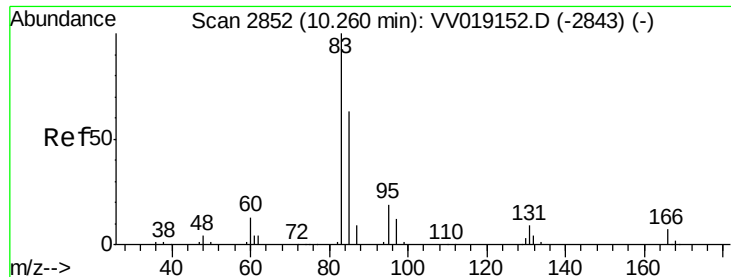


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.328 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

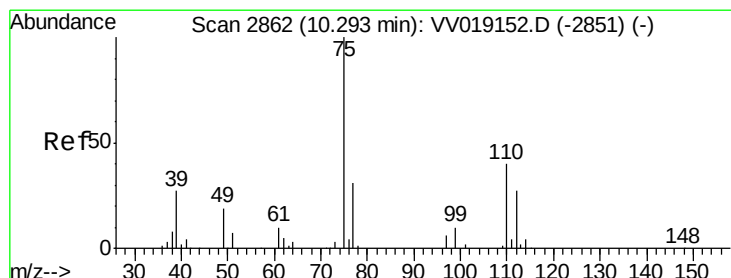
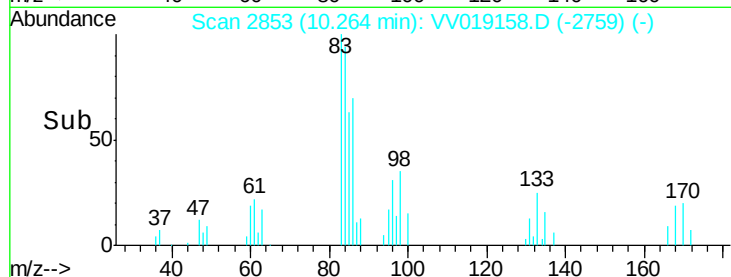
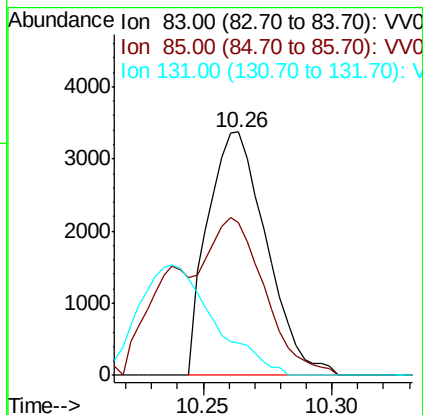
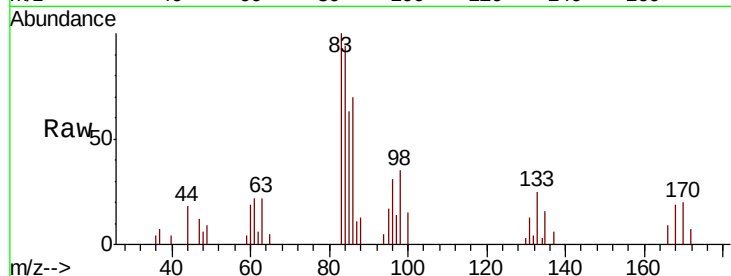
Tot Ion: 83 Resp: 5352

Ion Ratio Lower Upper

83 100

85 62.8 45.8 85.0

131 13.2 8.9 13.3



#59

1,2,3-Trichloropropane

Concen: 2.243 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019158.D

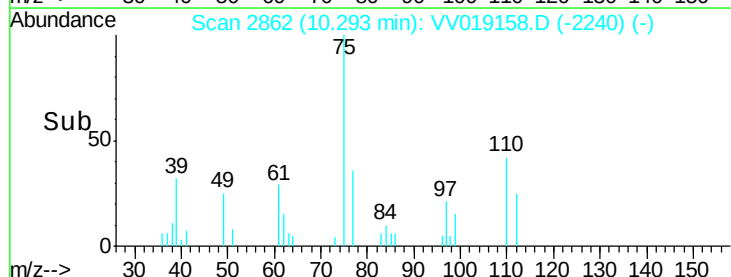
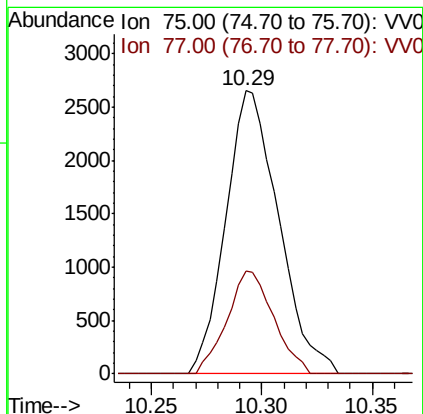
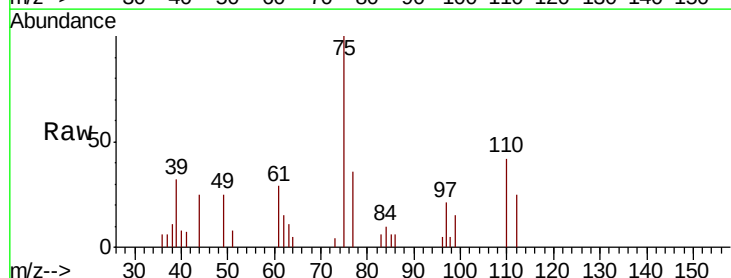
Acq: 29 Oct 2020 20:24

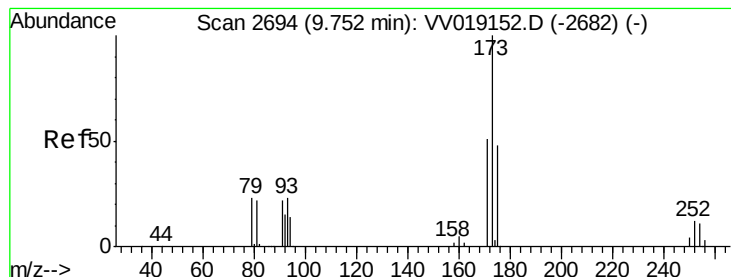
Tgt Ion: 75 Resp: 4414

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4





#61

Bromoform

Concen: 2.313 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

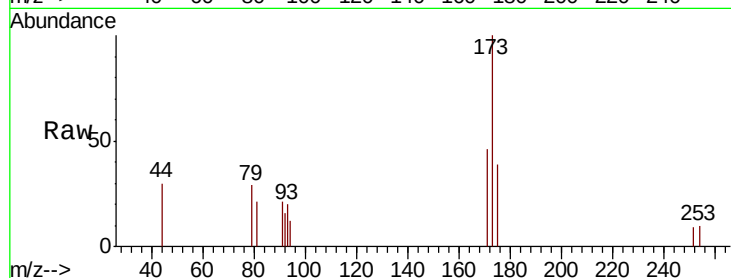
Tot Ion:173 Resp: 3078

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

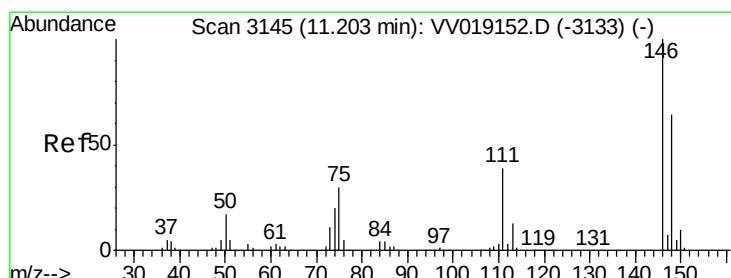
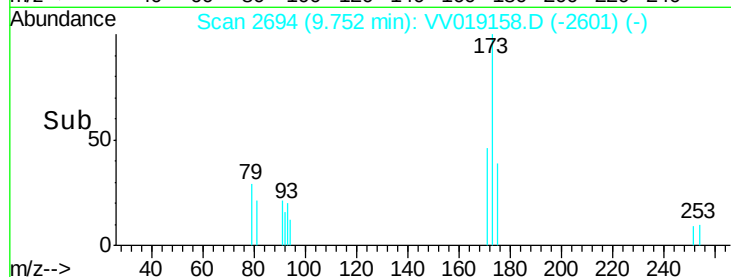
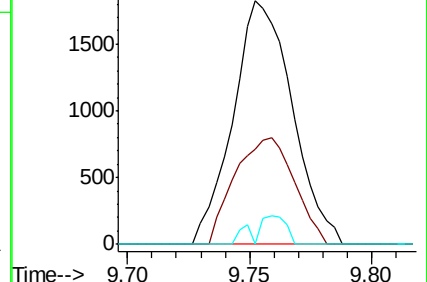
254 1.6 9.7 14.5#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 2.081 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

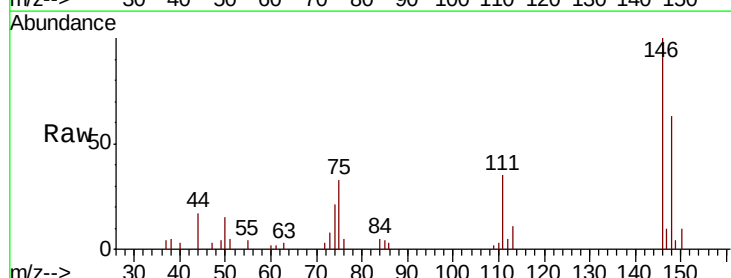
Tgt Ion:146 Resp: 7082

Ion Ratio Lower Upper

146 100

111 35.3 27.1 50.3

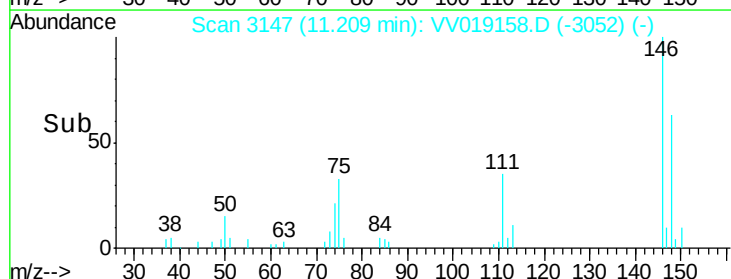
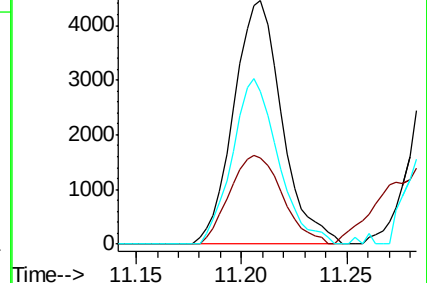
148 62.7 44.7 83.1

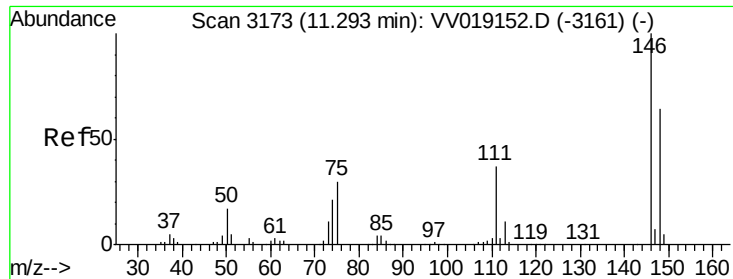


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

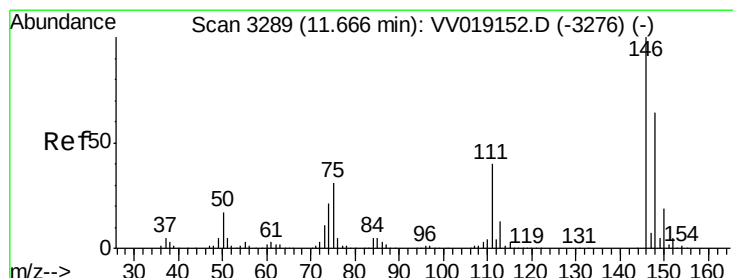
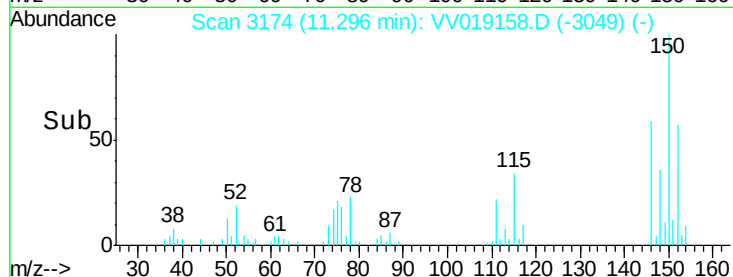
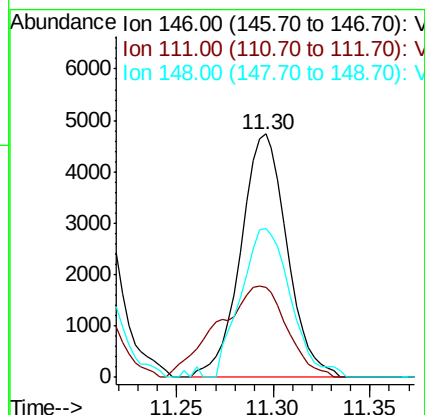
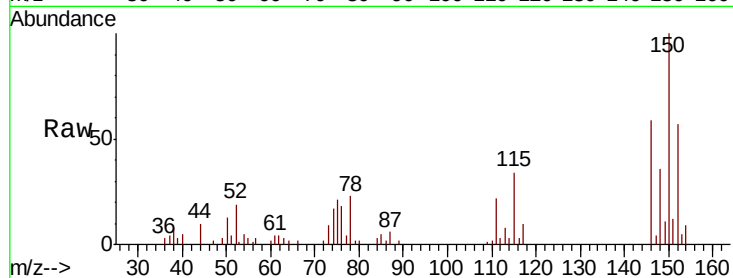




#63
 1,4-Dichlorobenzene
 Concen: 2.235 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

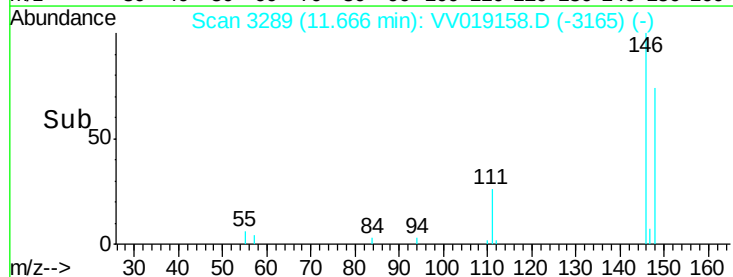
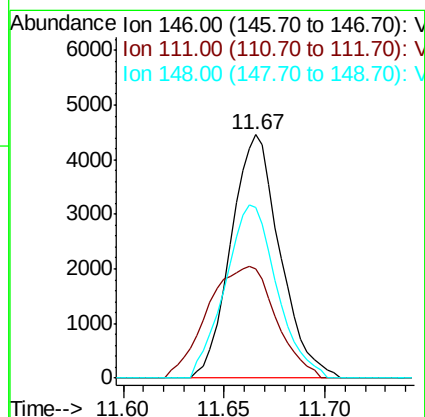
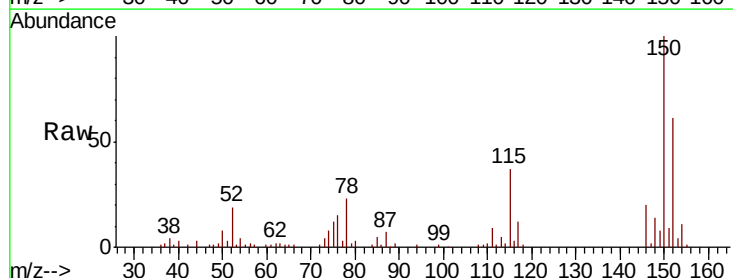
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

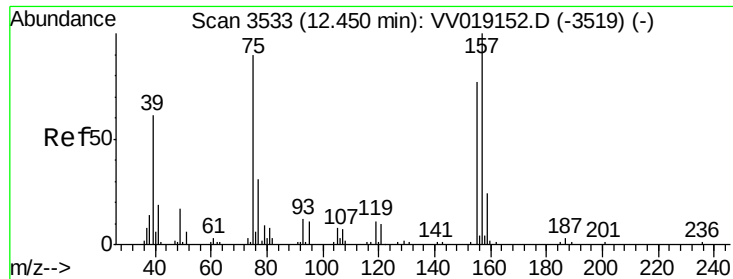
Tot Ion:146 Resp: 7906
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.8 48.0
 148 61.4 44.0 81.6



#65
 1,2-Dichlorobenzene
 Concen: 2.243 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion:146 Resp: 7561
 Ion Ratio Lower Upper
 146 100
 111 45.0 32.2 48.4
 148 70.0 50.8 76.2

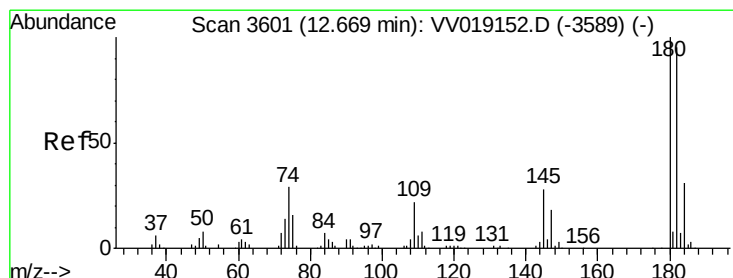
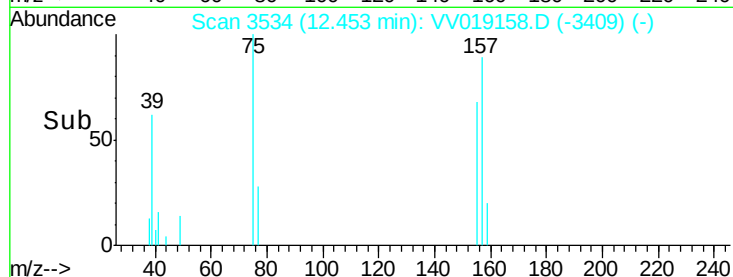
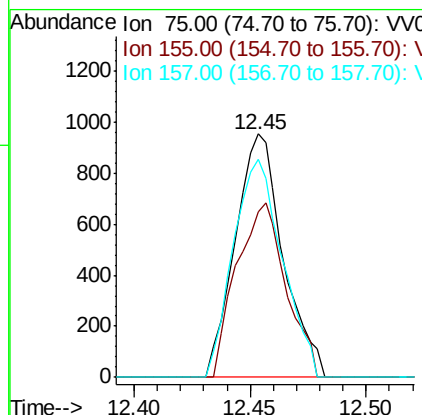
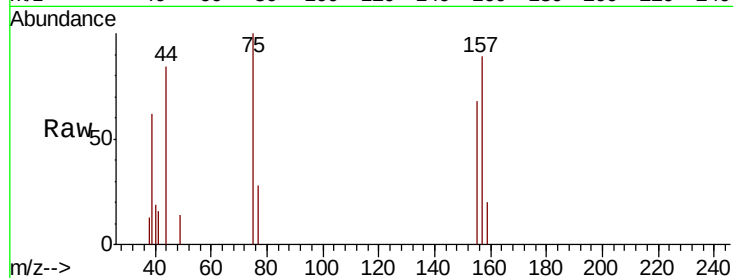




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.372 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

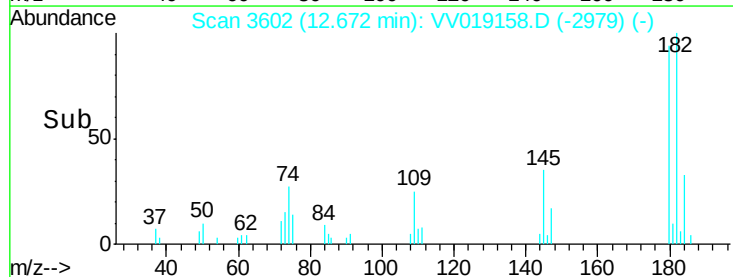
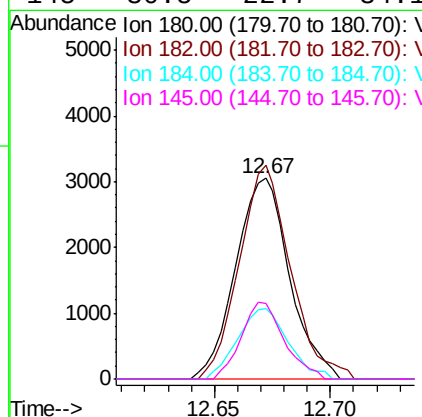
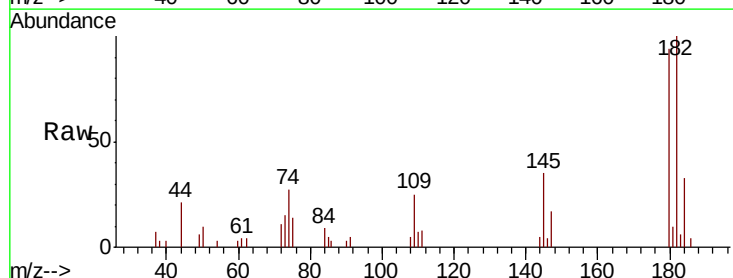
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

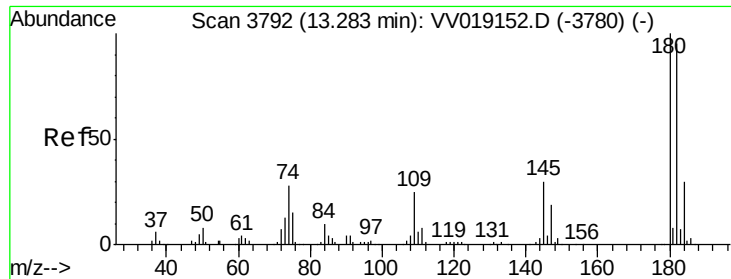
Tot Ion: 75 Resp: 1368
 Ion Ratio Lower Upper
 75 100
 155 68.2 71.1 106.7#
 157 89.3 90.5 135.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.966 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 180 Resp: 4926
 Ion Ratio Lower Upper
 180 100
 182 101.1 76.1 114.1
 184 32.4 24.5 36.7
 145 30.5 22.7 34.1

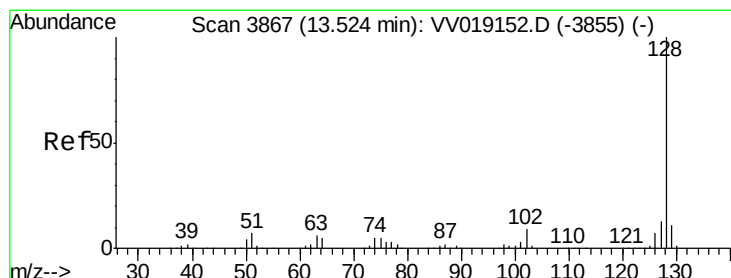
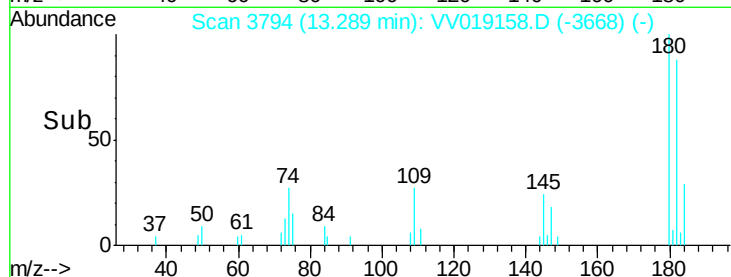
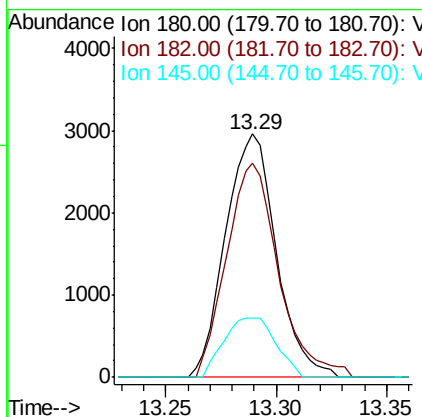
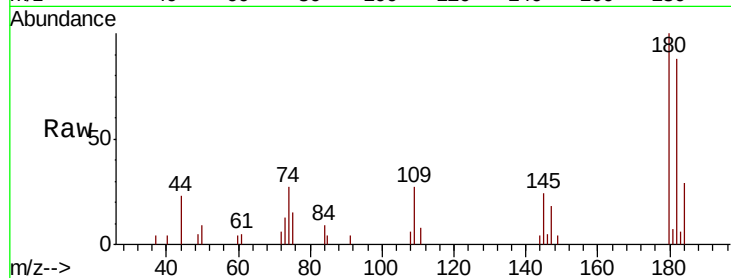




#68
 1,2,4-trichlorobenzene
 Concen: 2.015 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

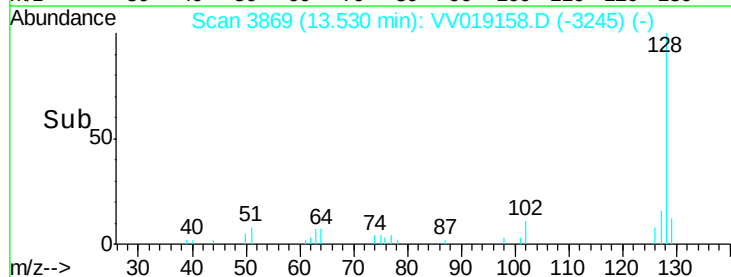
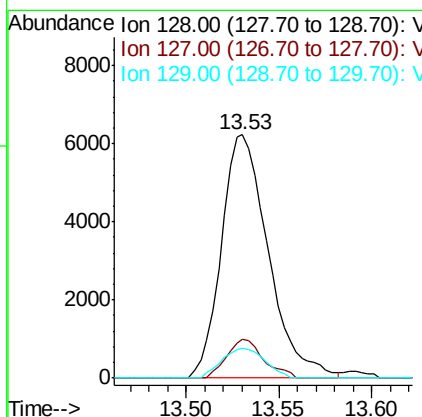
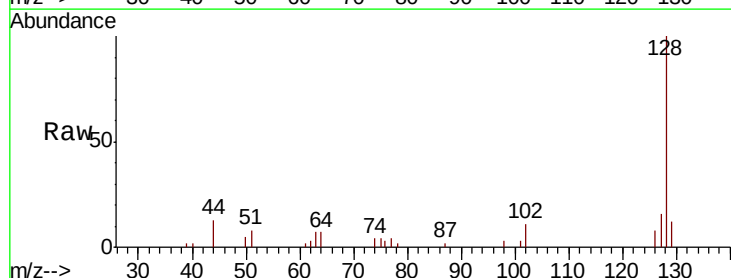
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

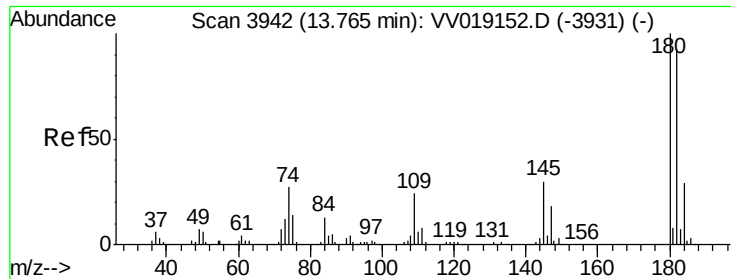
Tot Ion:180 Resp: 4729
 Ion Ratio Lower Upper
 180 100
 182 89.8 75.8 113.6
 145 24.9 22.6 34.0



#69
 Naphthalene
 Concen: 1.661 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion:128 Resp: 10918
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.8 16.2
 129 11.2 8.6 13.0





#70

1,2,3-Trichlorobenzene

Concen: 1.947 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

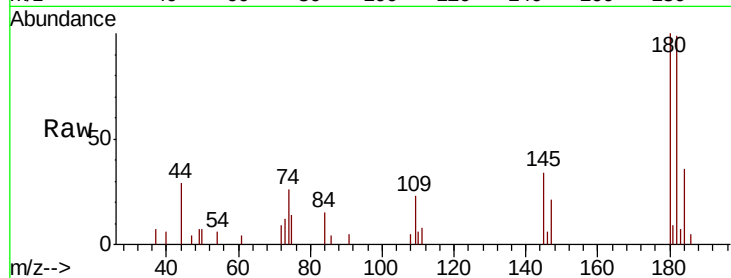
Tot Ion:180 Resp: 4473

Ion Ratio Lower Upper

180 100

182 96.9 76.2 114.4

145 33.6 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

