

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019142.D
 Acq On : 28 Oct 2020 18:21
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Quant Time: Oct 29 03:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	218317	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	210892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	110607	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73330	36.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.94%
7) Chloroethane-d5	1.58	69	62891	39.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.12	63	124559	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	3.91	46	112255	84.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.16%
24) Chloroform-d	4.37	84	155975	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	5.05	65	112153	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
32) Benzene-d6	5.07	84	297317	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.18%
36) 1,2-Dichloropropane-d6	6.09	67	88270	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.48%
41) Toluene-d8	7.34	98	271617	47.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.16%
43) trans-1,3-Dichloropropene-	7.64	79	48297	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
47) 2-Hexanone-d5	8.11	63	79686	87.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	118766	42.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	118707	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4435	2.608	ug/L	97
3) Chloromethane	1.25	50	3993	1.888	ug/L	98
5) Vinyl chloride	1.32	62	4875	2.340	ug/L #	72
6) Bromomethane	1.53	94	2994	2.512	ug/L	94
8) Chloroethane	1.60	64	3129	2.395	ug/L	100
9) Trichlorofluoromethane	1.77	101	7484	2.731	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4607	3.161	ug/L #	86
12) 1,1-Dichloroethene	2.13	96	4485	3.076	ug/L #	1
13) Acetone	2.19	43	4515	4.994	ug/L	97
14) Carbon disulfide	2.31	76	10624	2.210	ug/L	99
15) Methyl Acetate	2.46	43	3898	2.052	ug/L	94
16) Methylene chloride	2.52	84	4074	2.397	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3711	2.408	ug/L	89
18) Methyl tert-butyl Ether	2.79	73	12336	2.469	ug/L	95
19) 1,1-Dichloroethane	3.21	63	7174	2.306	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	4188	2.542	ug/L	95
23) Bromochloromethane	4.29	128	2165	2.581	ug/L #	82

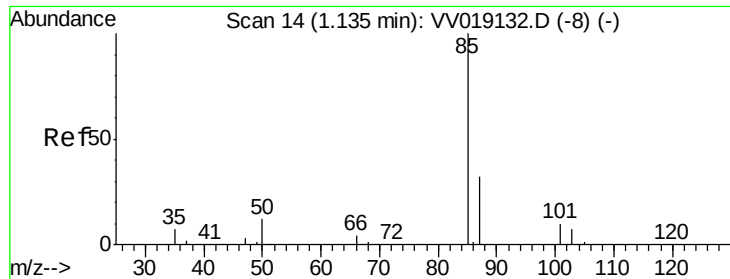
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019142.D
 Acq On : 28 Oct 2020 18:21
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Quant Time: Oct 29 03:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	9062	2.957	ug/L	99
27) 1,2-Dichloroethane	5.16	62	5948	2.339	ug/L	100
29) Cyclohexane	4.70	56	5106	2.023	ug/L #	82
30) 1,1,1-Trichloroethane	4.63	97	4573	1.742	ug/L #	68
31) Carbon tetrachloride	4.86	117	6570	2.870	ug/L	94
33) Benzene	5.13	78	15759	2.441	ug/L	100
34) Trichloroethene	5.94	95	4309	2.641	ug/L	94
35) Methylcyclohexane	6.15	83	4871	2.182	ug/L	98
37) 1,2-Dichloropropane	6.20	63	4015	2.259	ug/L #	93
38) Bromodichloromethane	6.54	83	5572	2.478	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	5558	2.116	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	9155	3.818	ug/L	93
42) Toluene	7.41	91	16637	2.511	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	5702	2.188	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	3891	2.479	ug/L	93
46) Tetrachloroethene	8.00	164	3573	2.854	ug/L	96
48) 2-Hexanone	8.17	43	8518	4.604	ug/L #	90
49) Dibromochloromethane	8.27	129	4564	2.660	ug/L	98
50) 1,2-Dibromoethane	8.38	107	3859	2.369	ug/L #	91
51) Chlorobenzene	8.90	112	11160	2.626	ug/L	98
52) Ethylbenzene	9.04	91	17098	2.386	ug/L	97
53) m,p-Xylene	9.16	106	6210	2.367	ug/L	91
54) o-xylene	9.57	106	6485	2.568	ug/L	97
55) Styrene	9.59	104	10278	2.294	ug/L	91
56) Isopropylbenzene	9.95	105	16269	2.450	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	6400	2.478	ug/L #	90
59) 1,2,3-Trichloropropane	10.30	75	5496	2.645	ug/L	95
61) Bromoform	9.76	173	3520	2.826	ug/L #	88
62) 1,3-Dichlorobenzene	11.21	146	8910	2.684	ug/L	93
63) 1,4-Dichlorobenzene	11.30	146	9967	2.874	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	9961	2.976	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	1532	2.591	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	6390	2.819	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	5367	2.511	ug/L	97
69) Naphthalene	13.53	128	13127	1.993	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	5815	2.685	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 2.608 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampled :

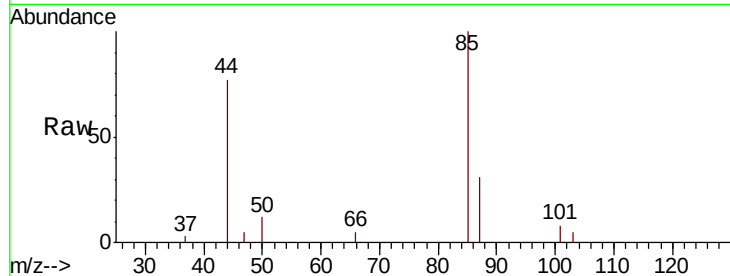
MDL07

Tot Ion: 85 Resp: 4435

Ion Ratio Lower Upper

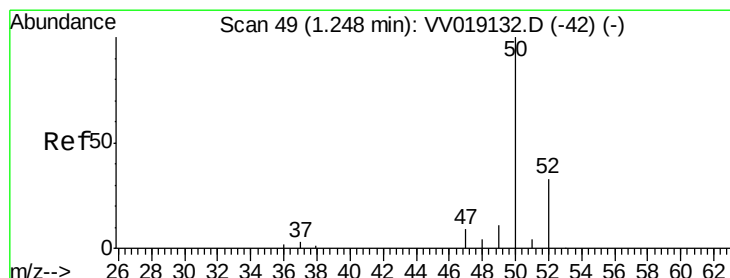
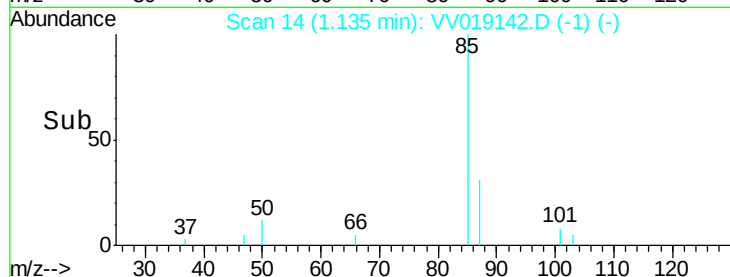
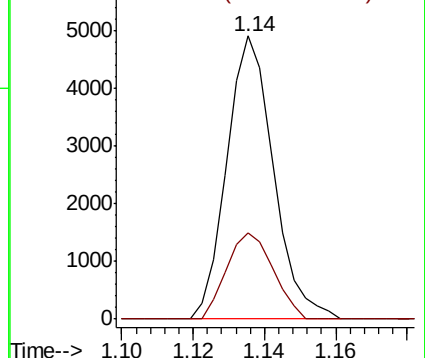
85 100

87 30.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.888 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019142.D

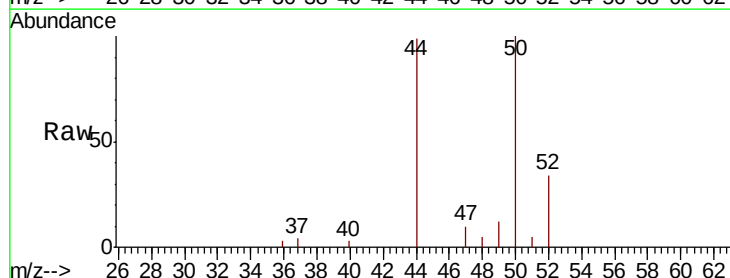
Acq: 28 Oct 2020 18:21

Tgt Ion: 50 Resp: 3993

Ion Ratio Lower Upper

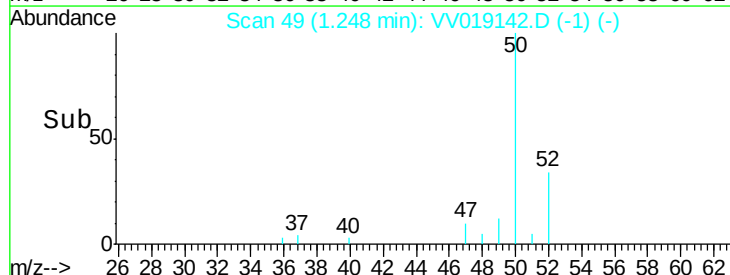
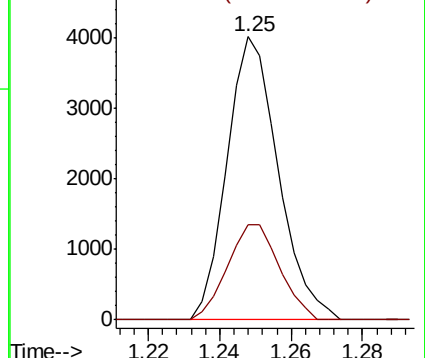
50 100

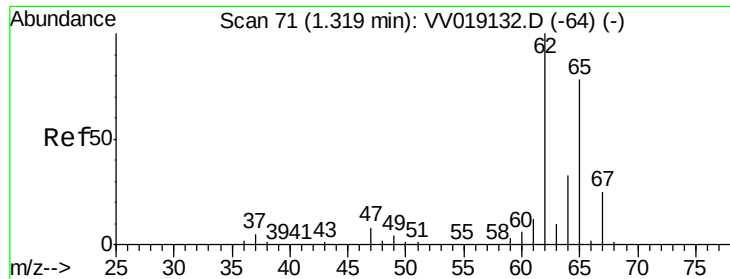
52 33.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.340 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

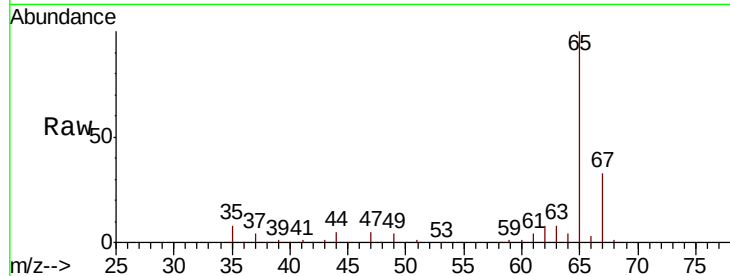
Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 62 Resp: 4875

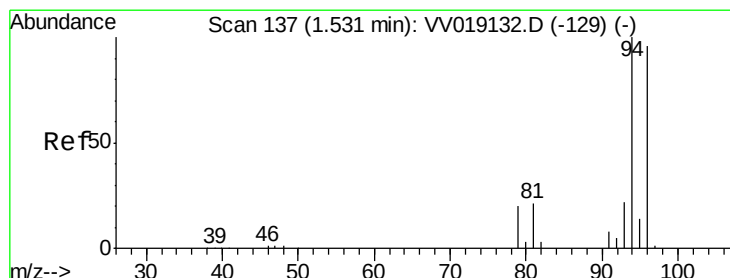
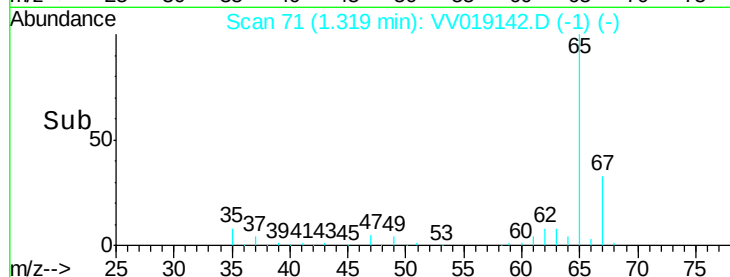
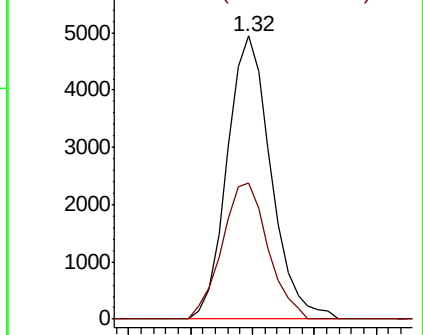
Ion Ratio Lower Upper

62 100

64 48.2 22.9 42.5#



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



#6

Bromomethane

Concen: 2.512 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019142.D

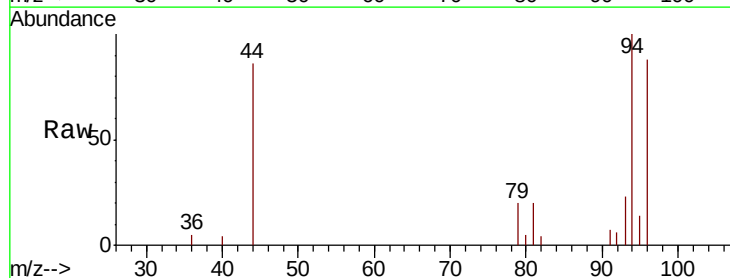
Acq: 28 Oct 2020 18:21

Tgt Ion: 94 Resp: 2994

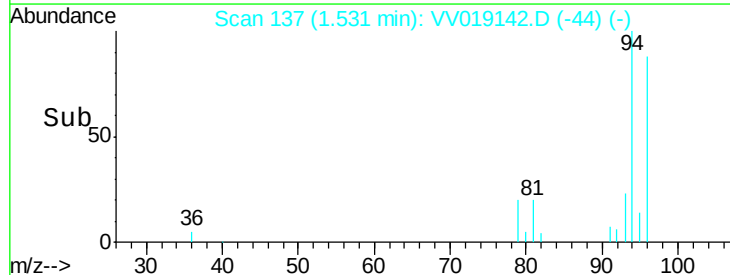
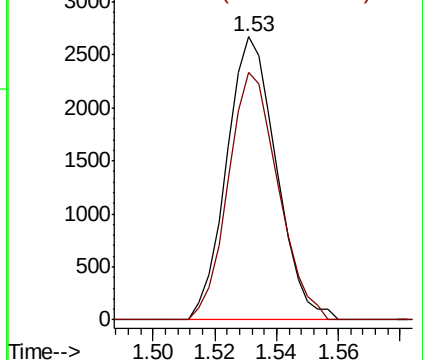
Ion Ratio Lower Upper

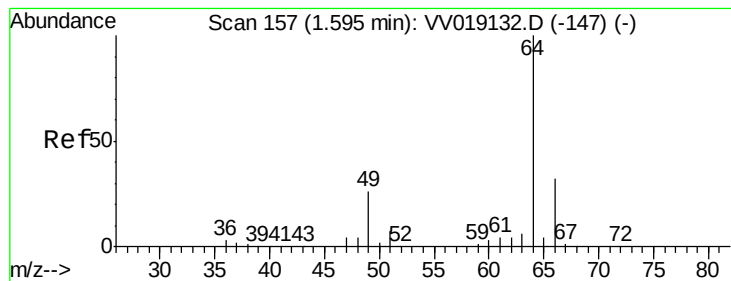
94 100

96 87.5 65.3 121.3



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





#8

Chloroethane

Concen: 2.395 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

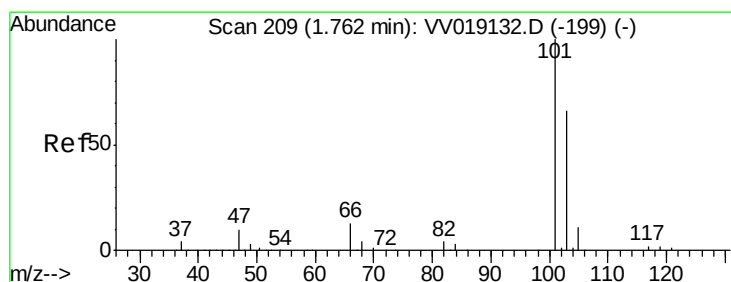
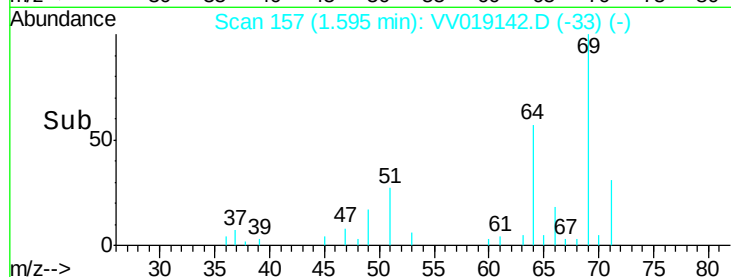
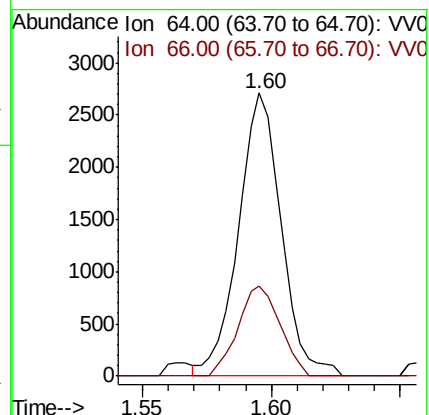
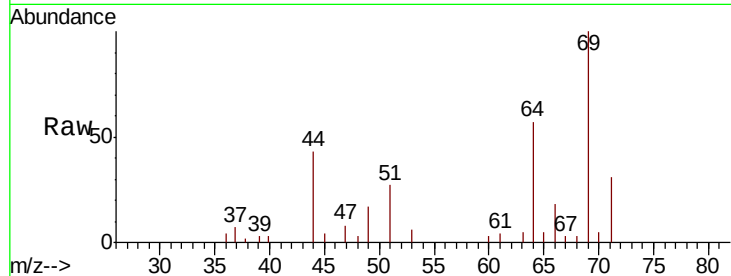
MDL07

Tot Ion: 64 Resp: 3129

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.731 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019142.D

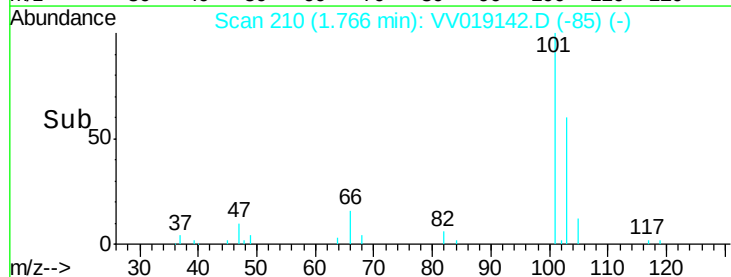
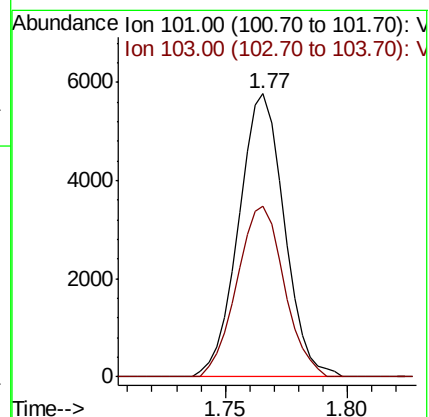
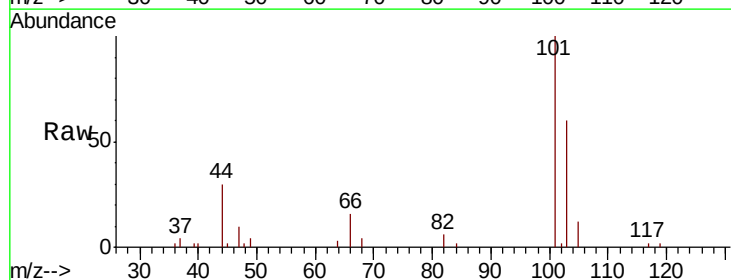
Acq: 28 Oct 2020 18:21

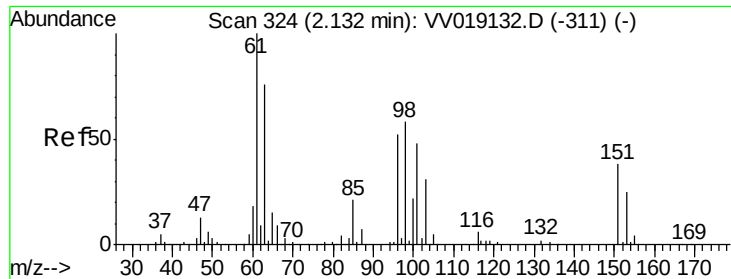
Tgt Ion: 101 Resp: 7484

Ion Ratio Lower Upper

101 100

103 62.5 51.7 77.5





#10

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

Concen: 3.161 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

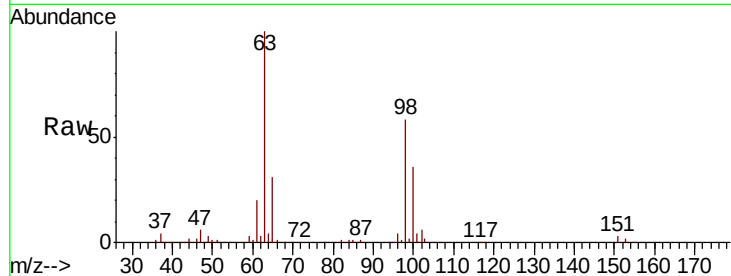
Tot Ion:101 Resp: 4607

Ion Ratio Lower Upper

101 100

85 34.9 36.9 55.3#

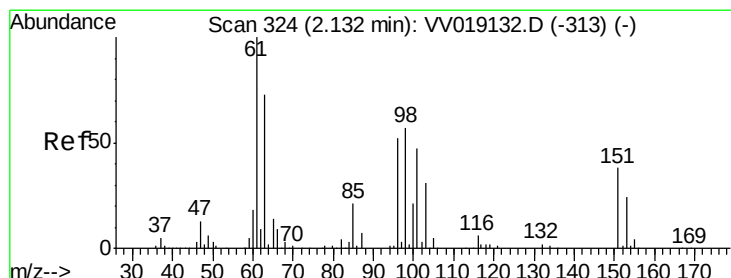
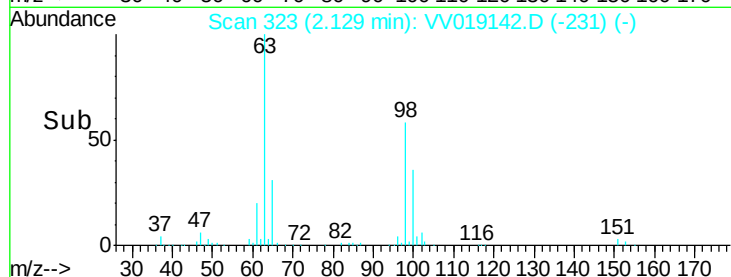
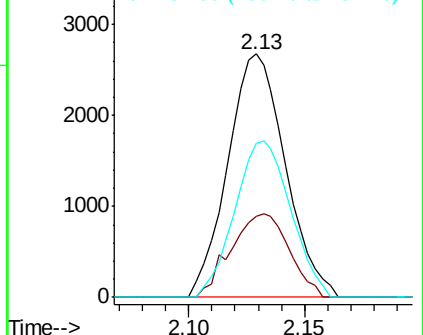
151 62.4 58.2 87.2



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: 3.076 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

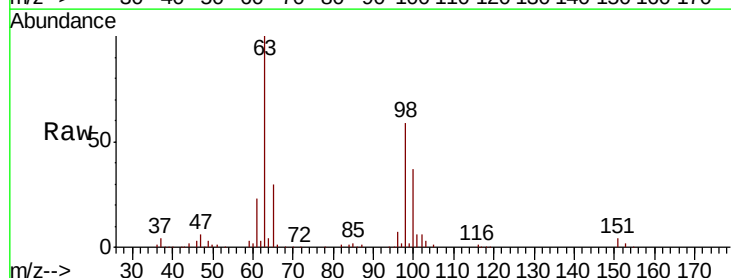
Tgt Ion: 96 Resp: 4485

Ion Ratio Lower Upper

96 100

61 341.9 138.7 257.7#

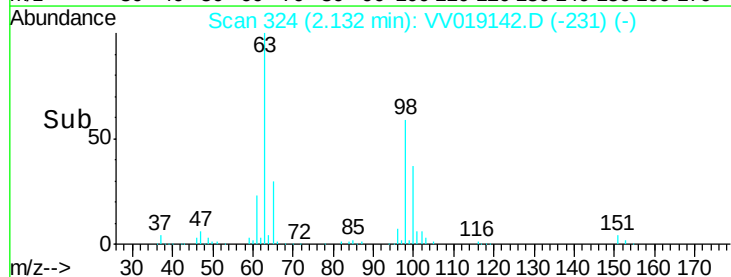
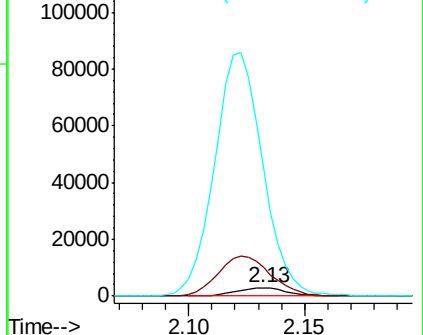
63 1507.8 126.3 234.6#

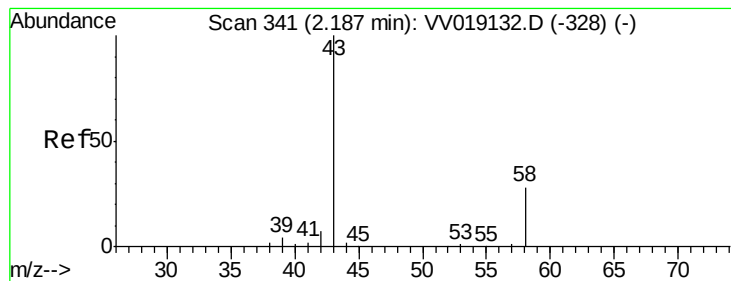


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.994 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

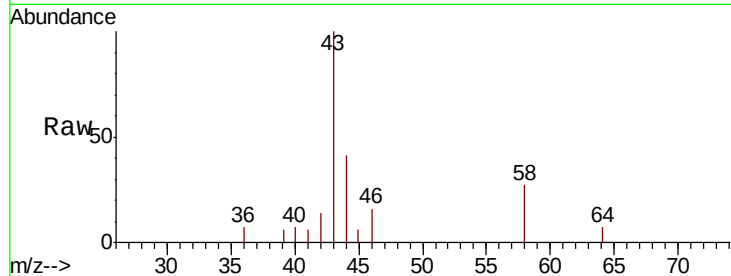
MDL07

Tot Ion: 43 Resp: 4515

Ion Ratio Lower Upper

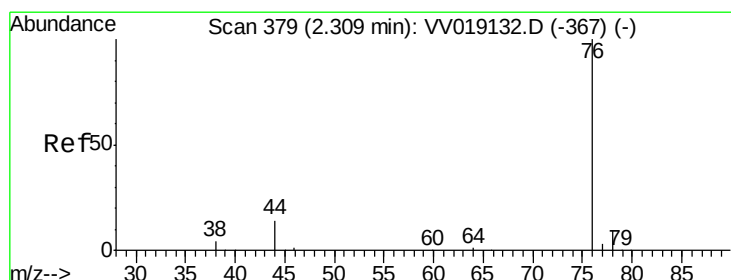
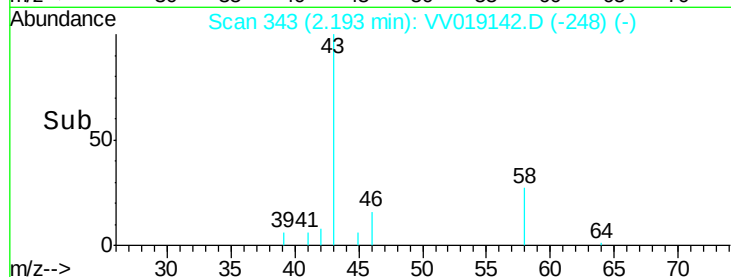
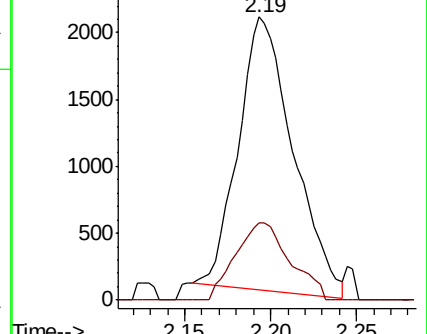
43 100

58 28.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.210 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019142.D

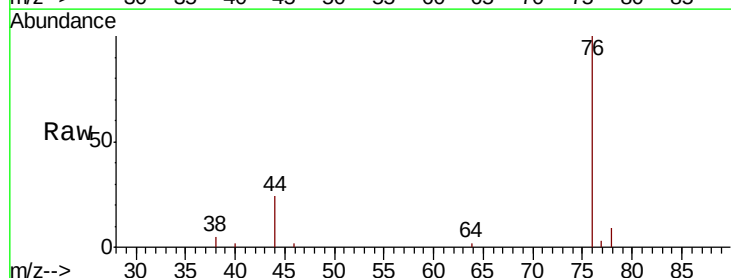
Acq: 28 Oct 2020 18:21

Tgt Ion: 76 Resp: 10624

Ion Ratio Lower Upper

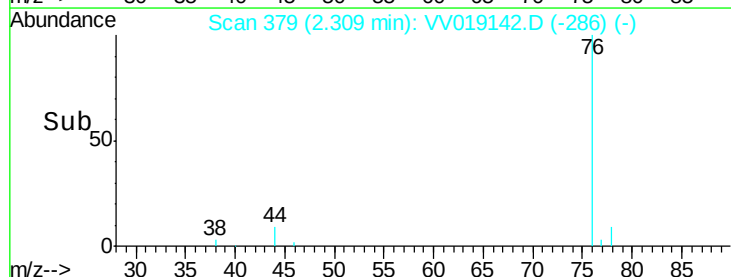
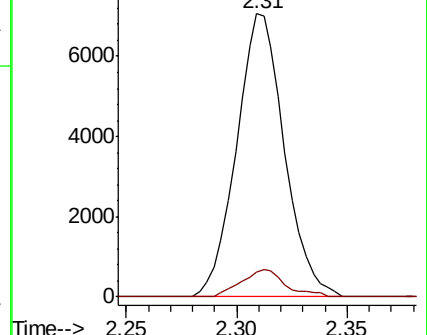
76 100

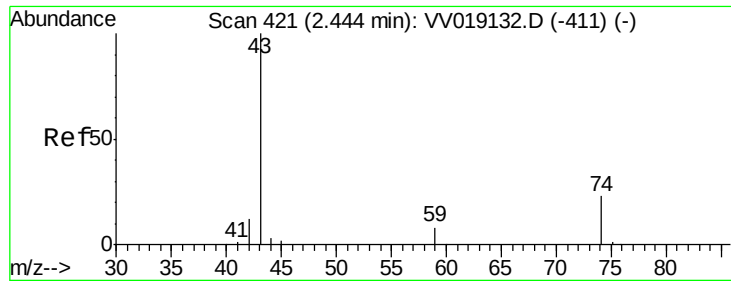
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

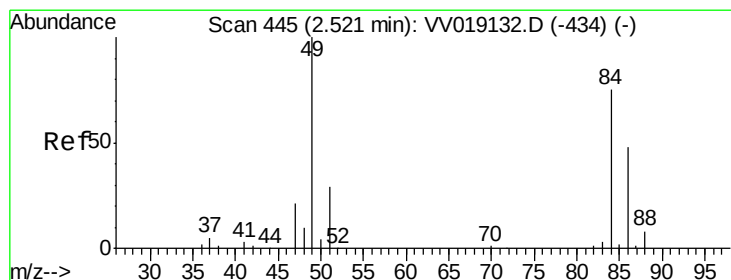
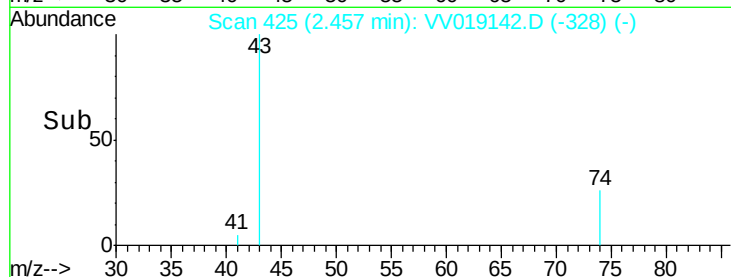
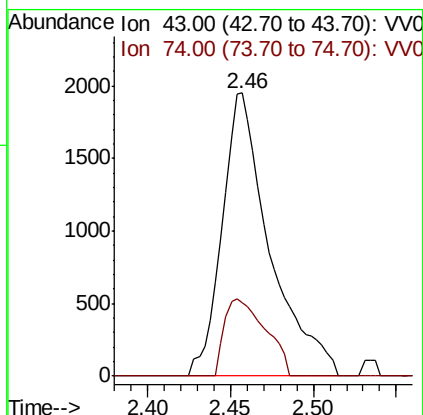
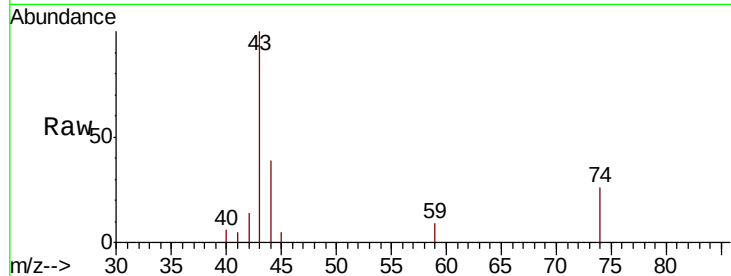




#15
Methvl Acetate
Concen: 2.052 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

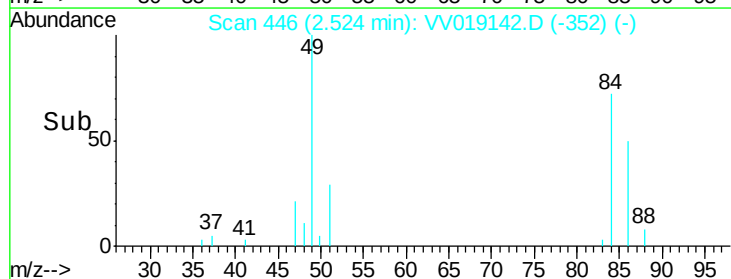
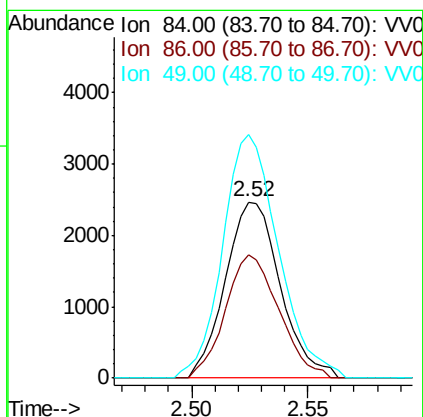
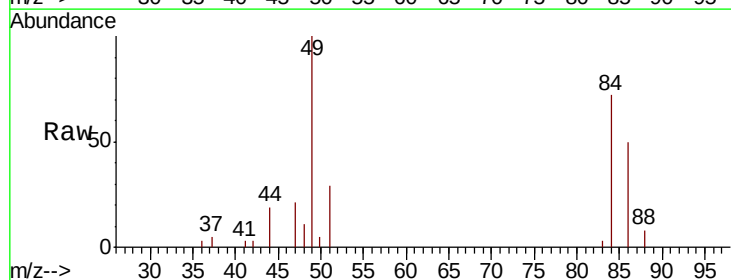
Instrument :
MSVOA_V
ClientSampleId :
MDL07

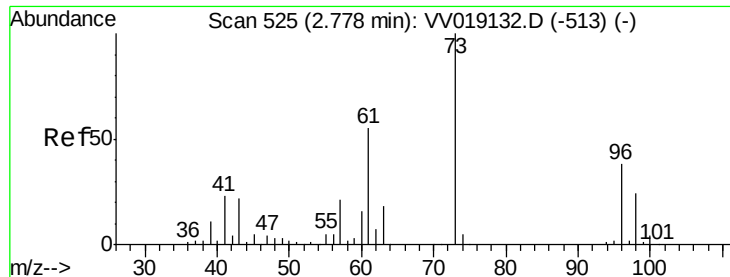
Tot Ion: 43 Resp: 3898
Ion Ratio Lower Upper
43 100
74 23.4 16.4 24.6



#16
Methylene chloride
Concen: 2.397 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Tgt Ion: 84 Resp: 4074
Ion Ratio Lower Upper
84 100
86 69.9 44.2 82.2
49 138.5 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 2.408 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

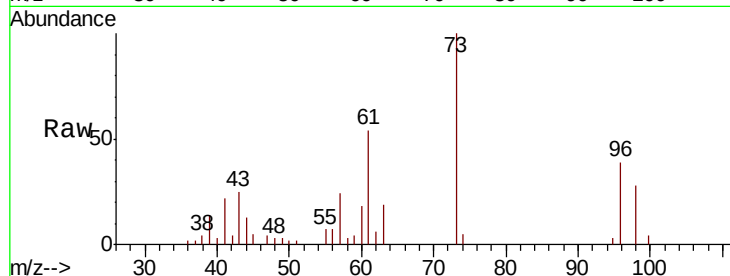
Tot Ion: 96 Resp: 3711

Ion Ratio Lower Upper

96 100

61 140.5 108.6 201.8

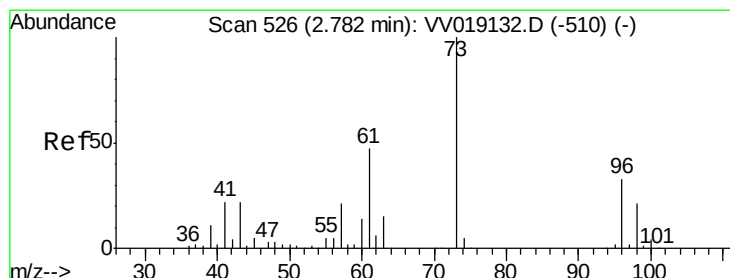
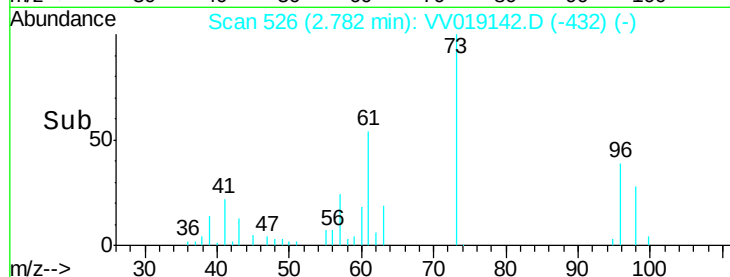
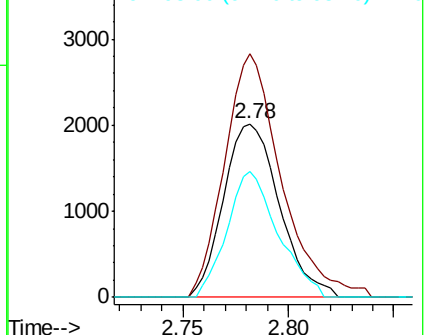
98 72.9 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019142.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV019142.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV019142.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 2.469 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

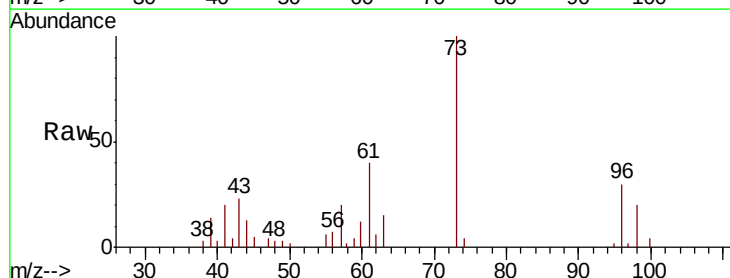
Tgt Ion: 73 Resp: 12336

Ion Ratio Lower Upper

73 100

43 24.0 17.2 25.8

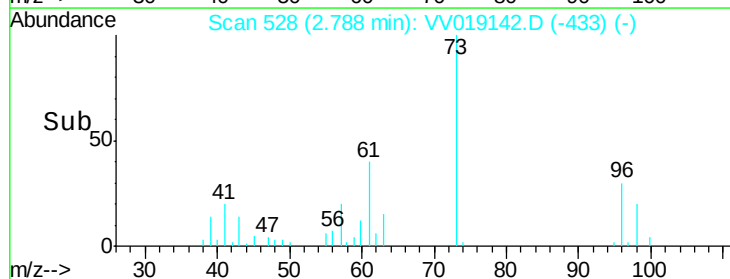
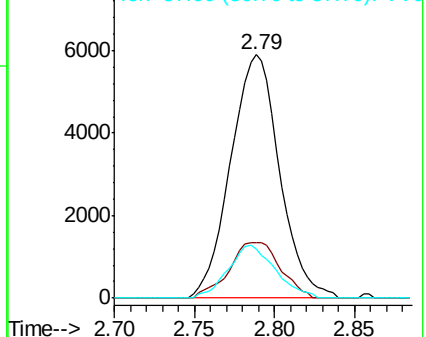
57 20.9 18.5 27.7

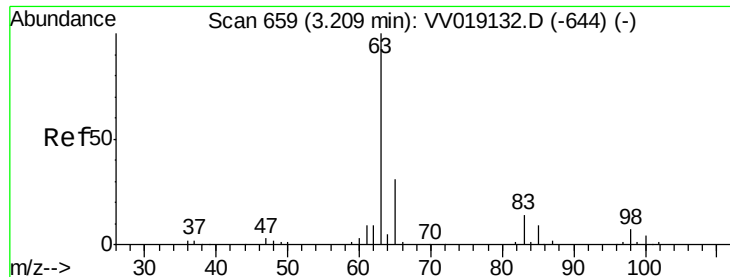


Abundance Ion 73.00 (72.70 to 73.70): VV019142.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV019142.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV019142.D (-433) (-)

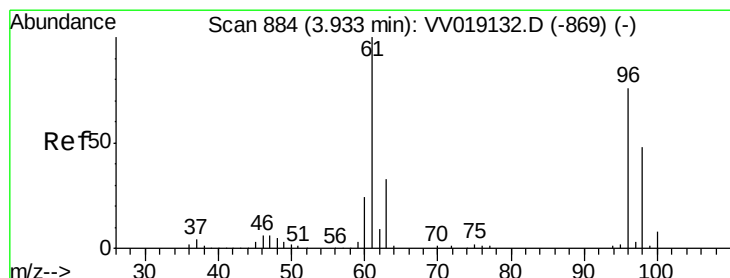
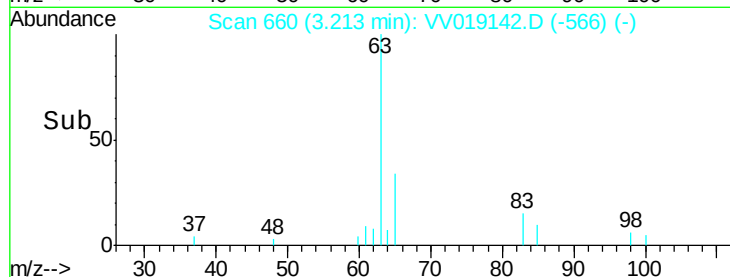
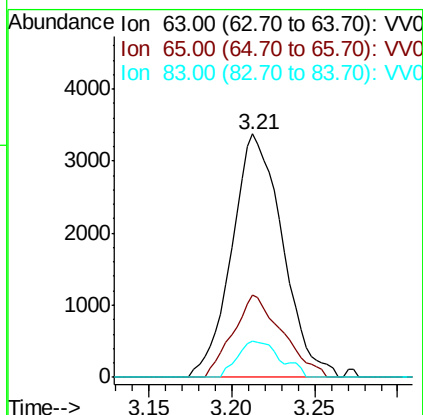
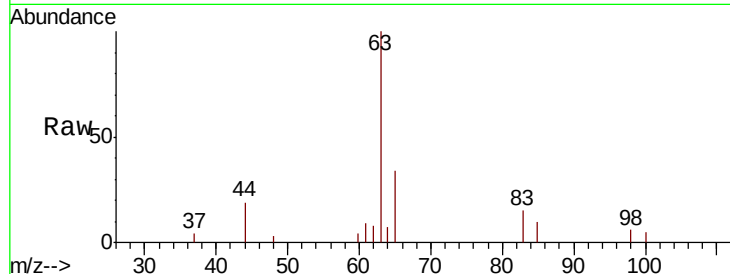




#19
 1,1-Dichloroethane
 Concen: 2.306 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

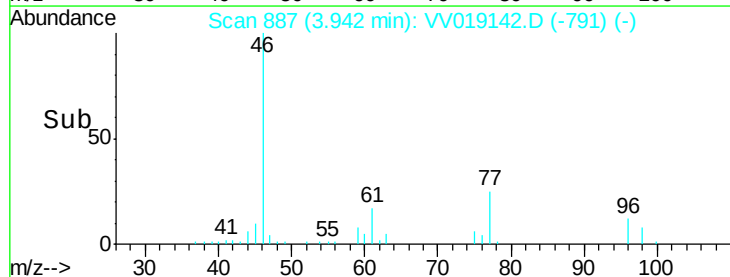
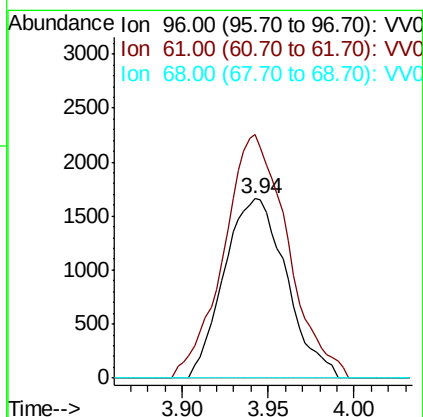
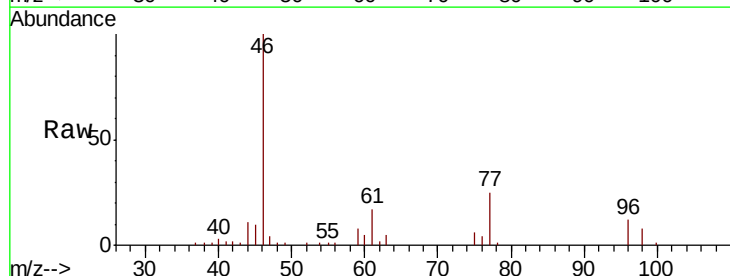
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

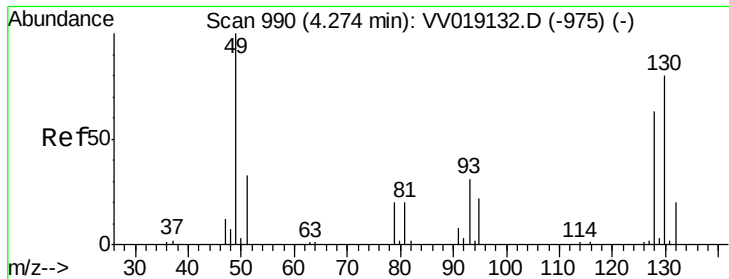
Tot Ion: 63 Resp: 7174
 Ion Ratio Lower Upper
 63 100
 65 34.1 22.7 42.1
 83 14.7 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 2.542 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

Tgt Ion: 96 Resp: 4188
 Ion Ratio Lower Upper
 96 100
 61 135.9 99.4 184.6
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 2.581 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019142.D

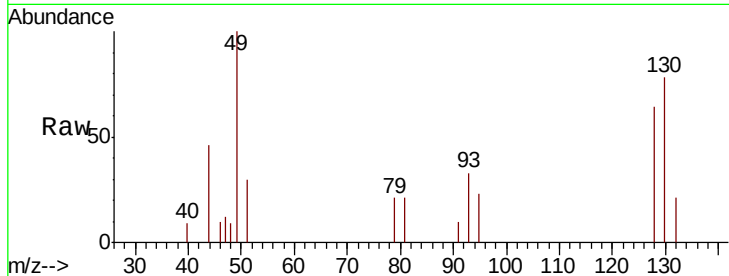
Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07



Tot Ion:128 Resp: 2165

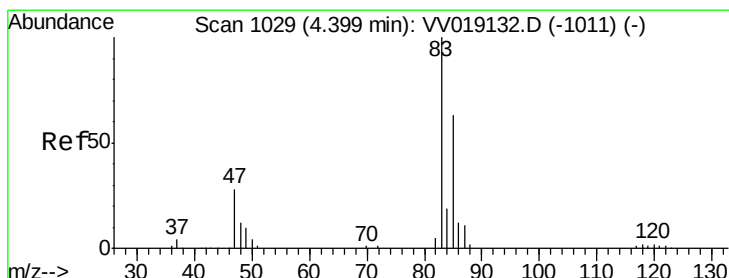
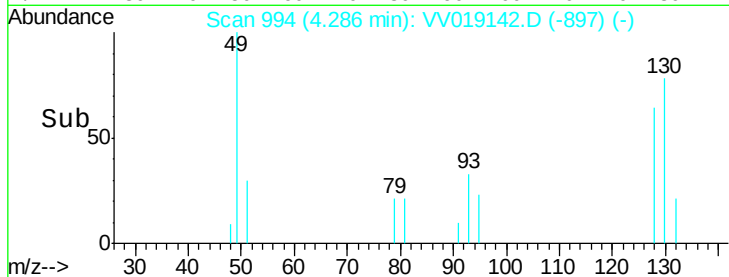
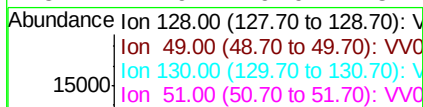
Ion Ratio Lower Upper

128 100

49 157.4 137.1 254.5

130 122.8 92.0 170.9

51 47.9 49.0 73.4#



#25

Chloroform

Concen: 2.957 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV019142.D

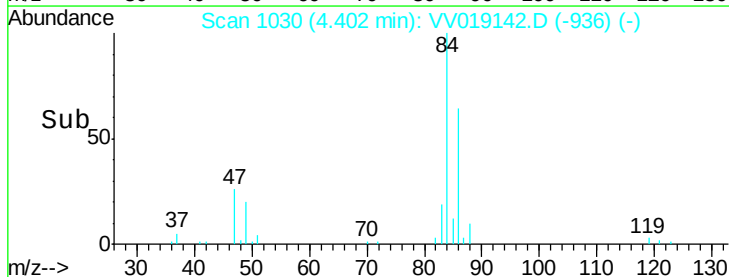
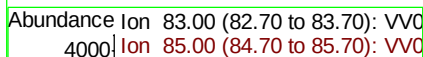
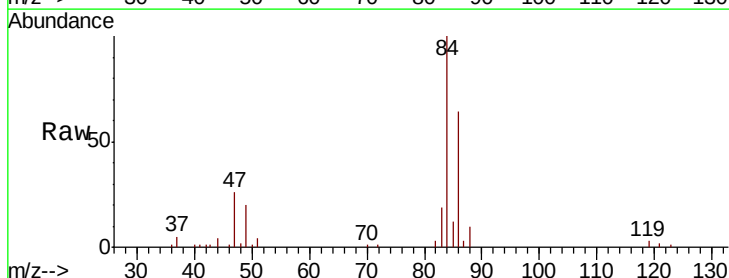
Acq: 28 Oct 2020 18:21

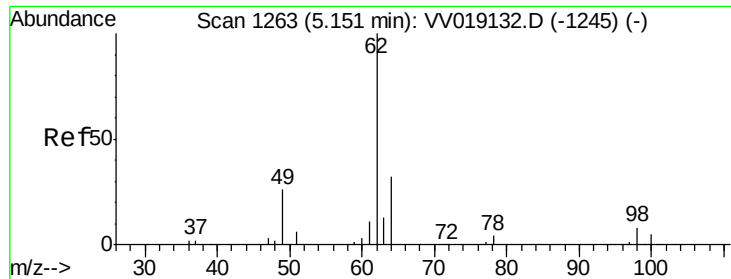
Tgt Ion: 83 Resp: 9062

Ion Ratio Lower Upper

83 100

85 64.7 44.5 82.7

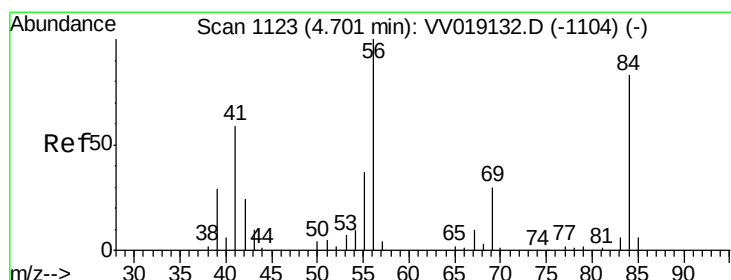
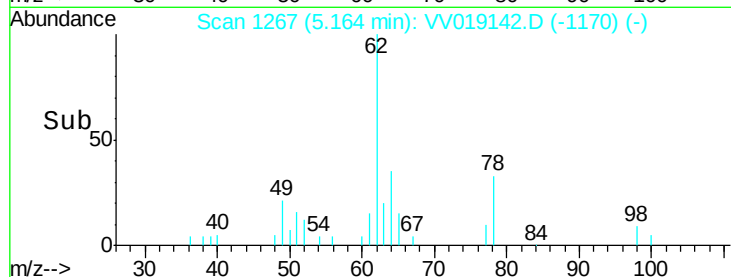
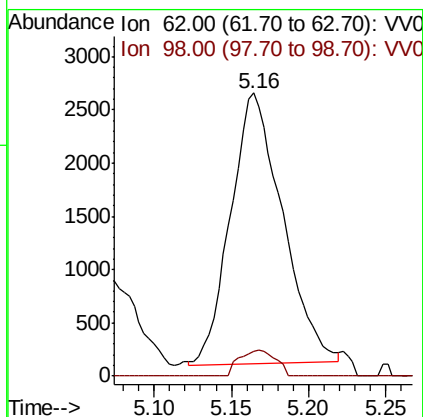
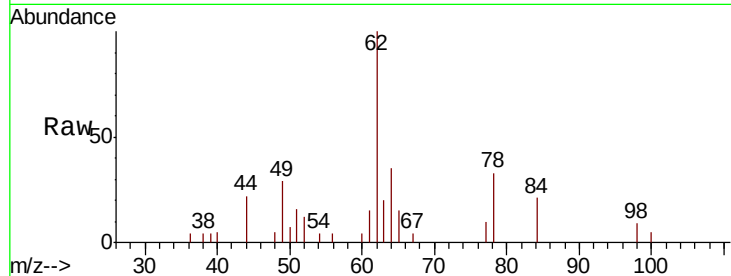




#27
 1,2-Dichloroethane
 Concen: 2.339 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

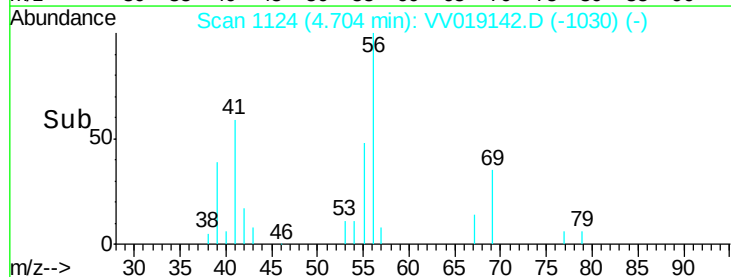
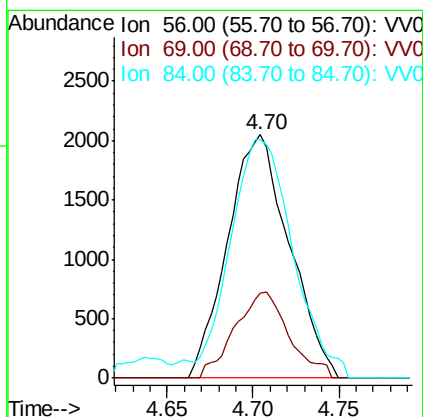
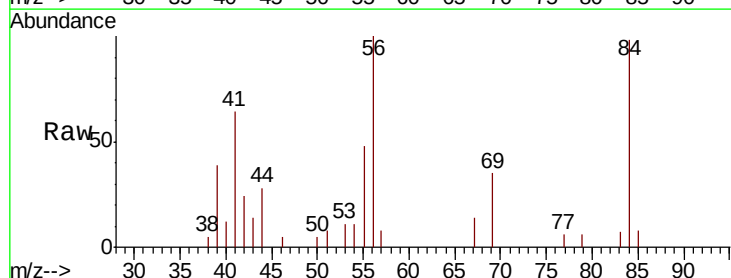
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

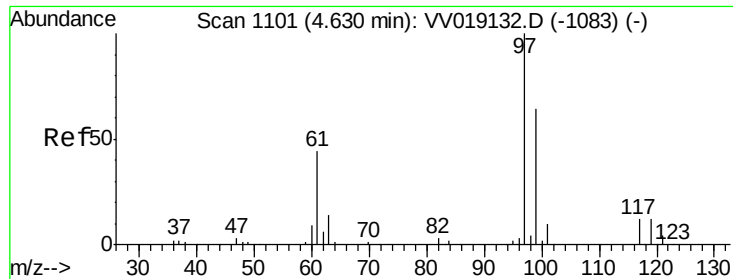
Tot Ion: 62 Resp: 5948
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3



#29
 Cyclohexane
 Concen: 2.023 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

Tgt Ion: 56 Resp: 5106
 Ion Ratio Lower Upper
 56 100
 69 30.2 22.7 34.1
 84 99.5 63.5 95.3#

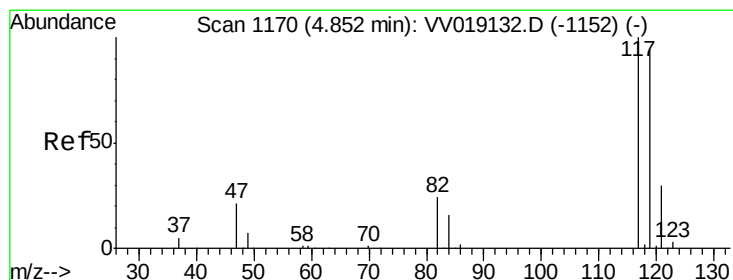
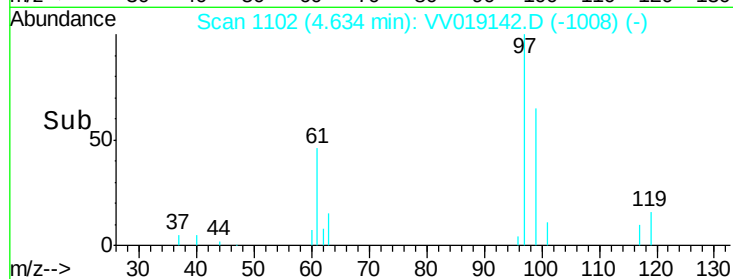
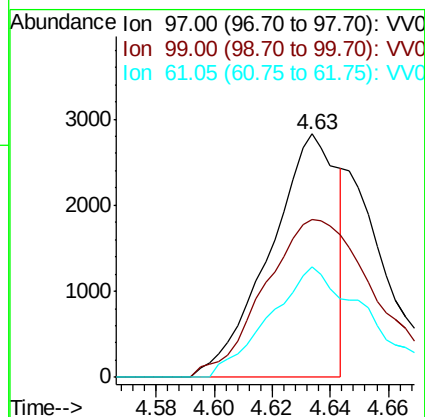
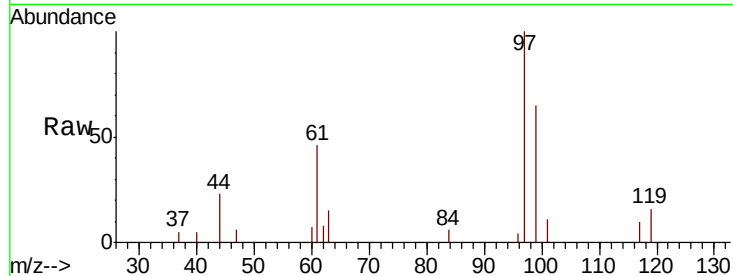




#30
 1,1,1-Trichloroethane
 Concen: 1.742 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

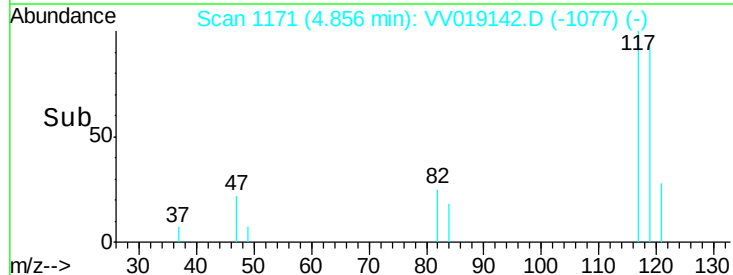
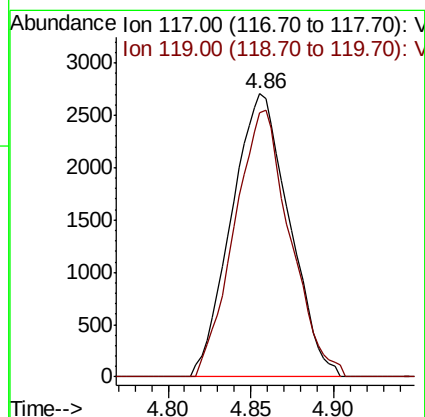
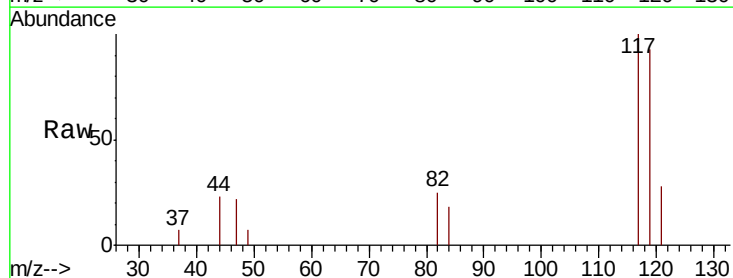
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

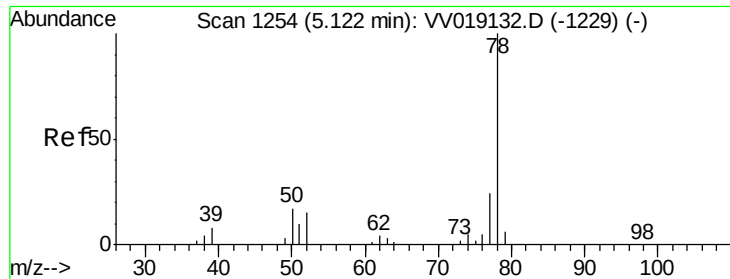
Tot Ion: 97 Resp: 4573
 Ion Ratio Lower Upper
 97 100
 99 106.2 50.5 75.7#
 61 48.0 38.1 57.1



#31
 Carbon tetrachloride
 Concen: 2.870 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

Tgt Ion: 117 Resp: 6570
 Ion Ratio Lower Upper
 117 100
 119 90.6 77.2 115.8





#33

Benzene

Concen: 2.441 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

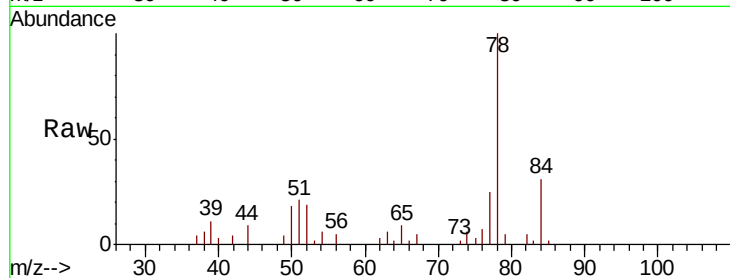
Instrument :

MSVOA_V

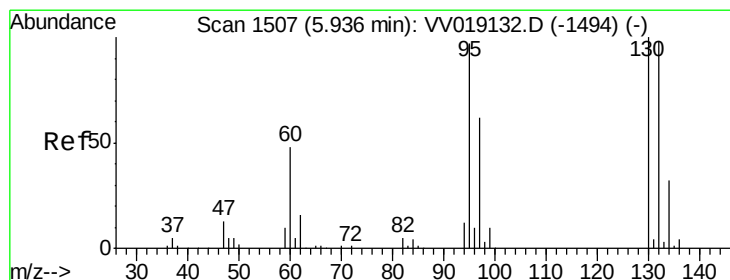
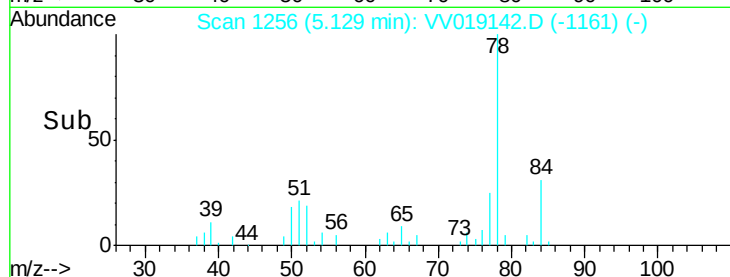
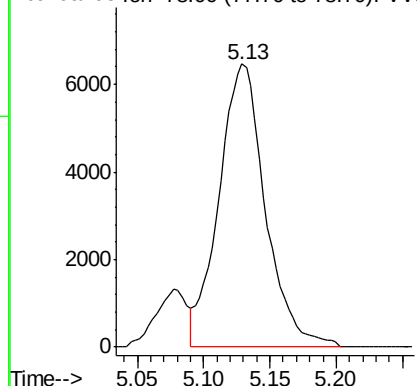
ClientSampled :

MDL07

Tgt Ion: 78 Resp: 15759



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.641 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Tgt Ion: 95 Resp: 4309

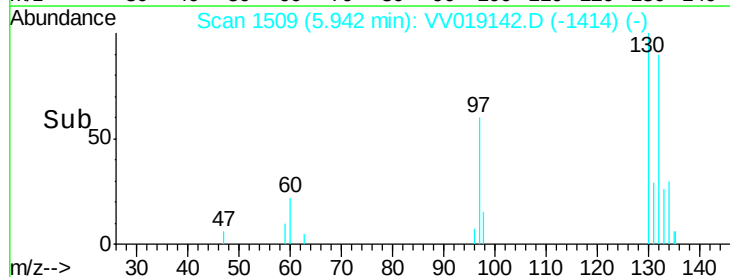
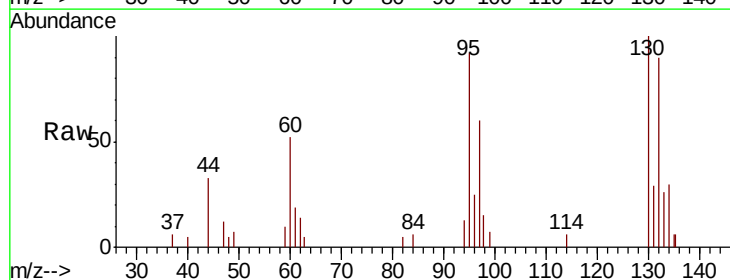
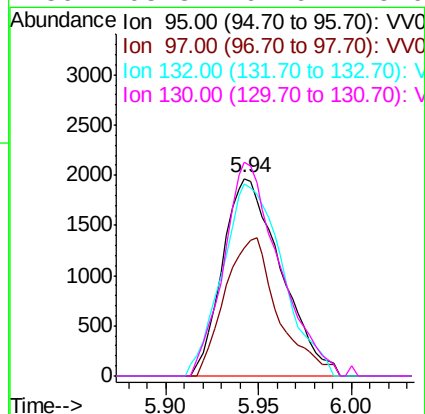
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.6	82.8
132	97.4	66.0	122.6
130	108.3	67.6	125.6

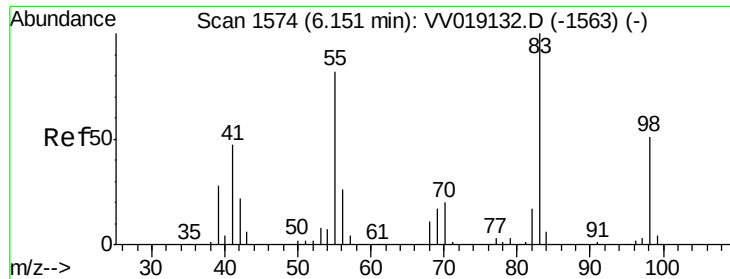
Ion 95.00 (94.70 to 95.70): VV0

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

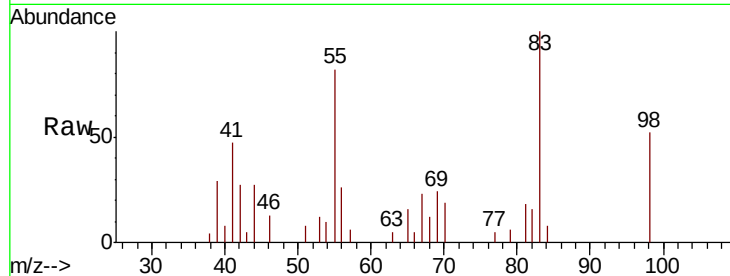




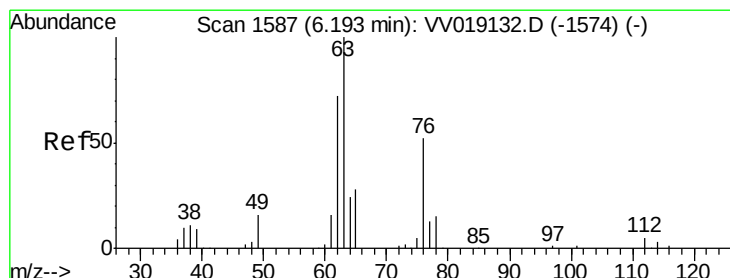
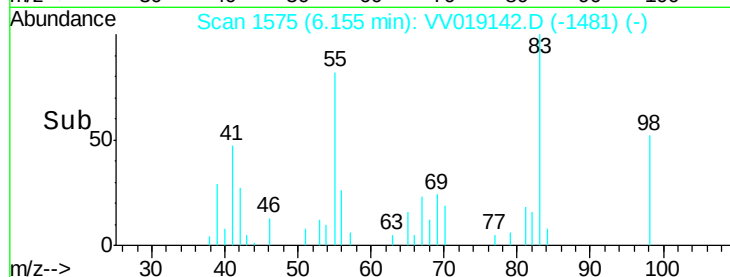
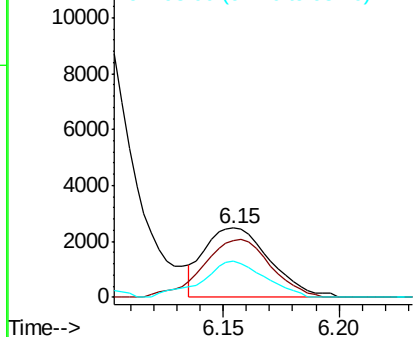
#35
Methvlcvclohexane
Concen: 2.182 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tot Ion: 83 Resp: 4871
Ion Ratio Lower Upper
83 100
55 86.2 68.1 102.1
98 50.3 37.9 56.9

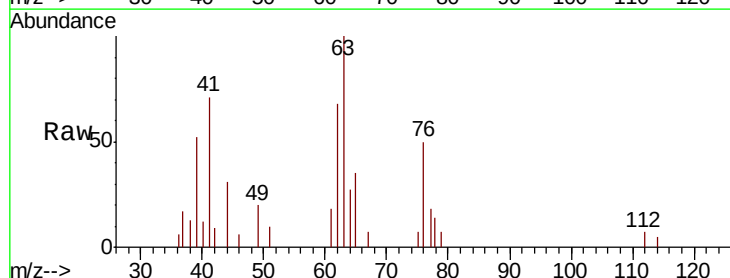


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

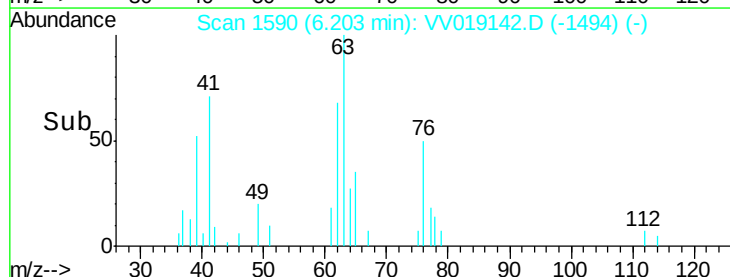
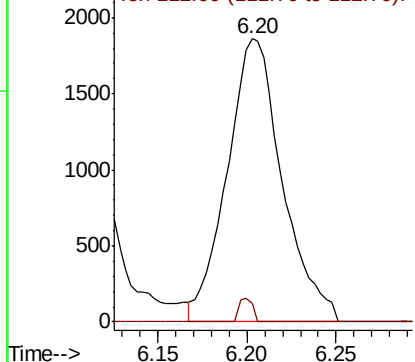


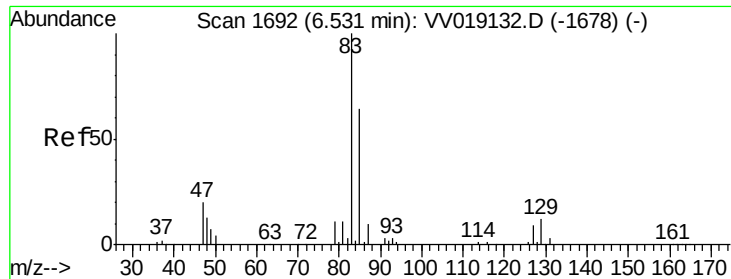
#37
1,2-Dichloropropane
Concen: 2.259 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Tgt Ion: 63 Resp: 4015
Ion Ratio Lower Upper
63 100
112 2.0 3.5 5.3#



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





#38

Bromodichloromethane

Concen: 2.478 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampled :

MDL07

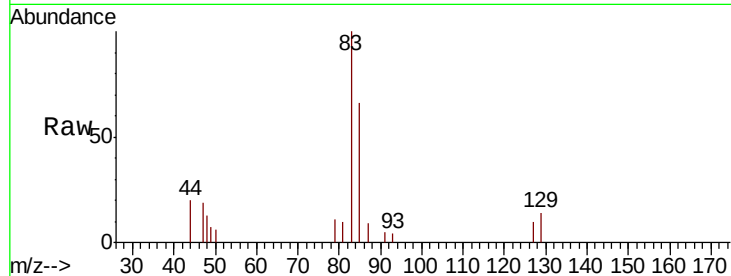
Tot Ion: 83 Resp: 5572

Ion Ratio Lower Upper

83 100

85 66.3 44.9 83.3

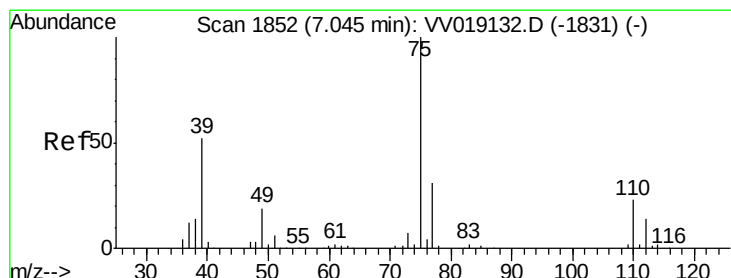
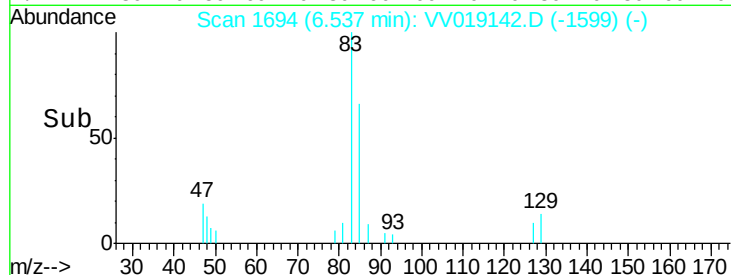
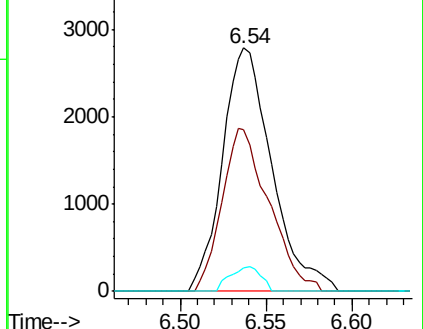
127 9.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 2.116 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019142.D

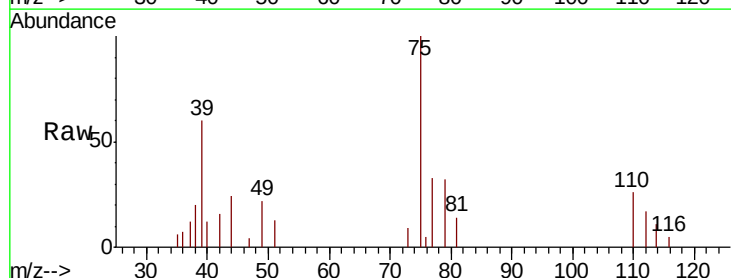
Acq: 28 Oct 2020 18:21

Tgt Ion: 75 Resp: 5558

Ion Ratio Lower Upper

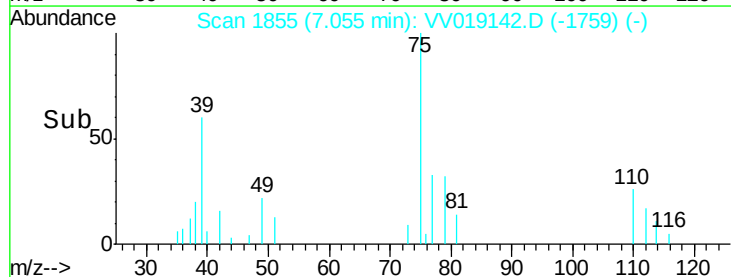
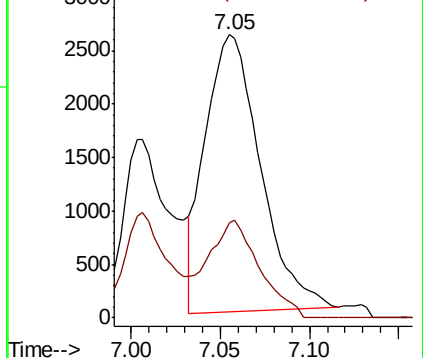
75 100

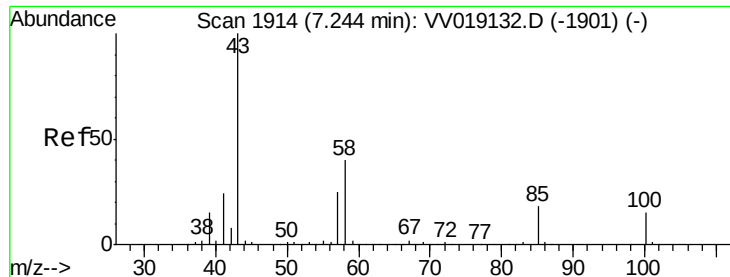
77 33.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

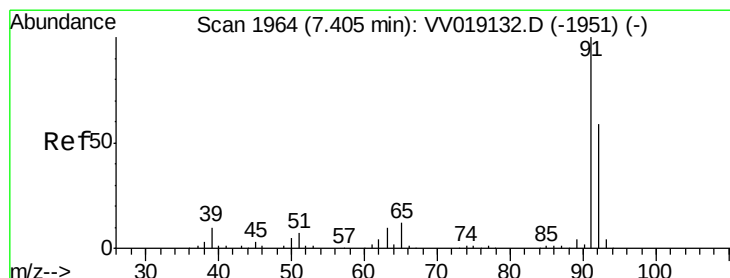
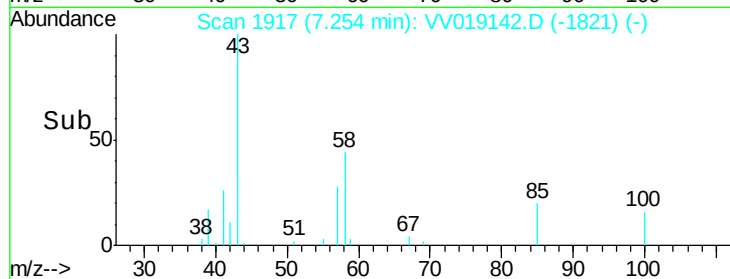
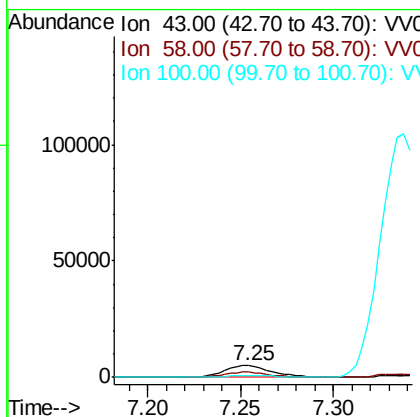
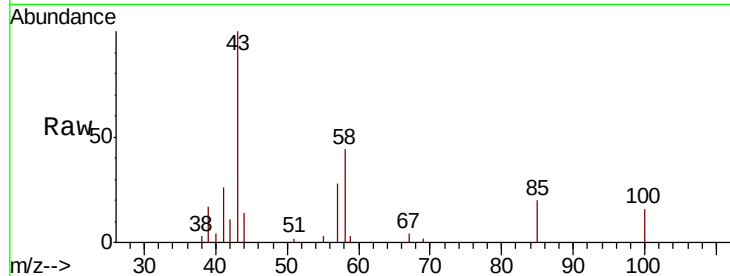




#40
4-Methyl-2-pentanone
Concen: 3.818 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

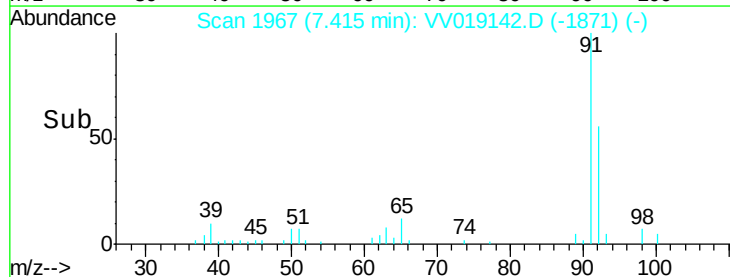
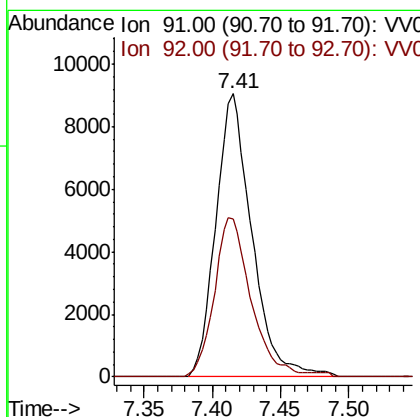
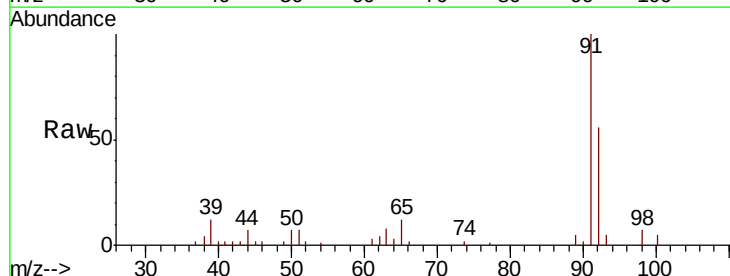
Instrument :
MSVOA_V
ClientSampleId :
MDL07

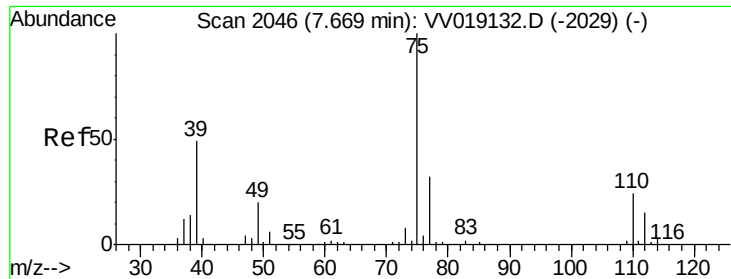
Tot Ion: 43 Resp: 9155
Ion Ratio Lower Upper
43 100
58 41.2 29.6 44.4
100 16.1 10.9 16.3



#42
Toluene
Concen: 2.511 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Tgt Ion: 91 Resp: 16637
Ion Ratio Lower Upper
91 100
92 55.7 40.9 76.0





#44

trans-1,3-Dichloropropene

Concen: 2.188 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

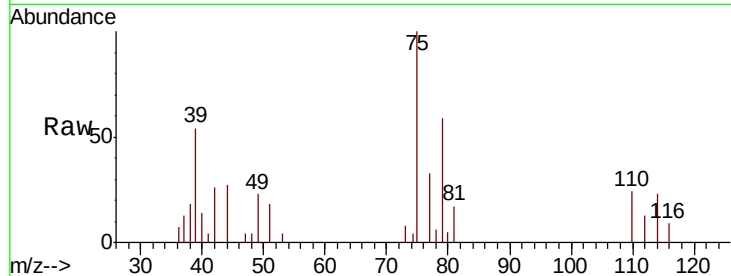
MDL07

Tot Ion: 75 Resp: 5702

Ion Ratio Lower Upper

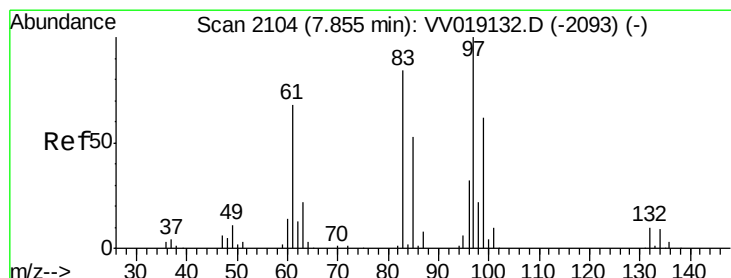
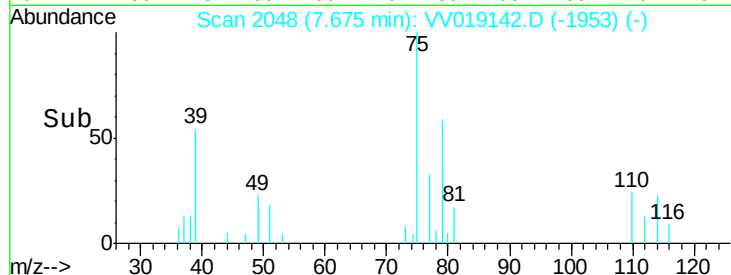
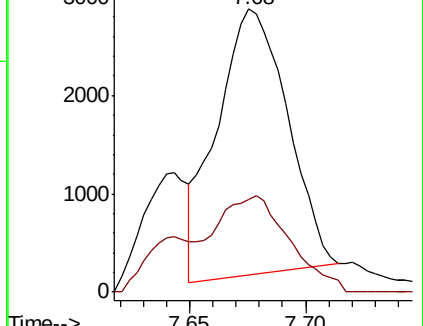
75 100

77 32.6 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019132.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019132.D (-2029) (-)



#45

1,1,2-Trichloroethane

Concen: 2.479 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Tgt Ion: 97 Resp: 3891

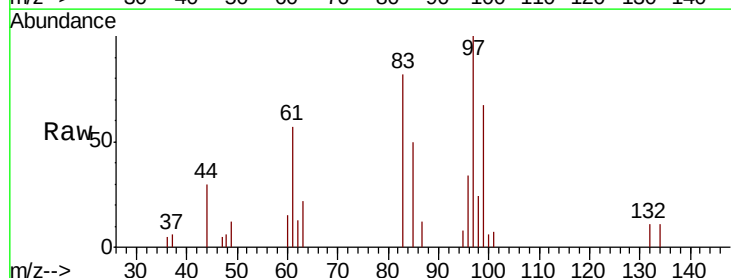
Ion Ratio Lower Upper

97 100

99 66.7 43.5 80.9

83 82.5 62.2 115.4

85 50.4 39.9 74.1

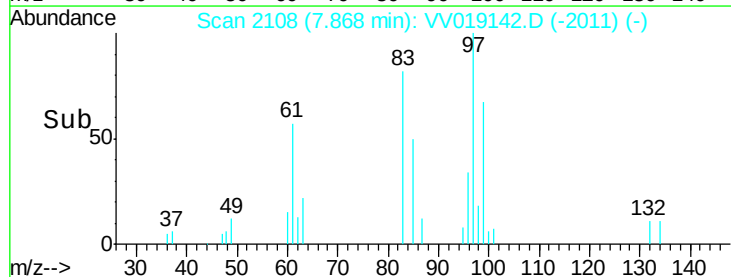
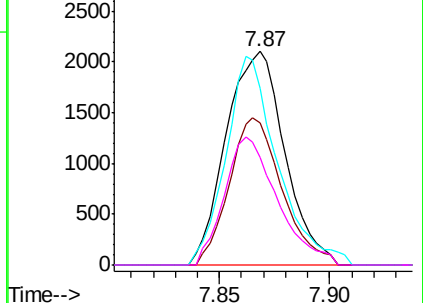


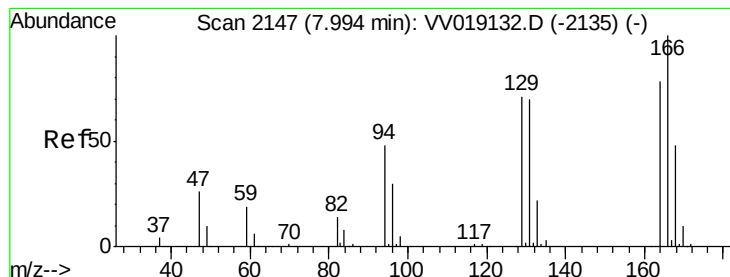
Abundance Ion 97.00 (96.70 to 97.70): VV019132.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV019132.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV019132.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV019132.D (-2093) (-)





#46

Tetrachloroethene

Concen: 2.854 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:164 Resp: 3573

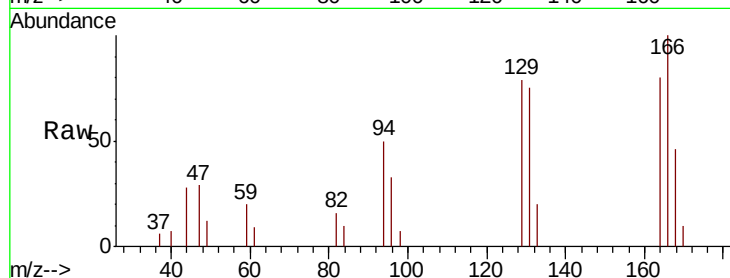
Ion Ratio Lower Upper

164 100

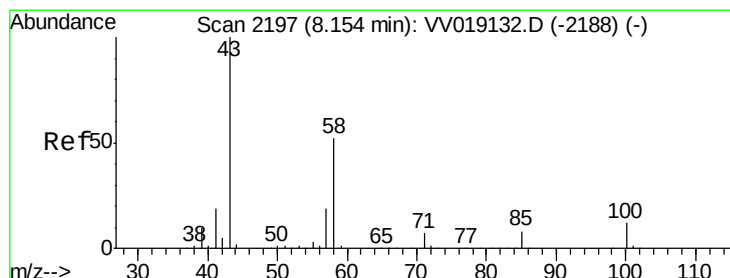
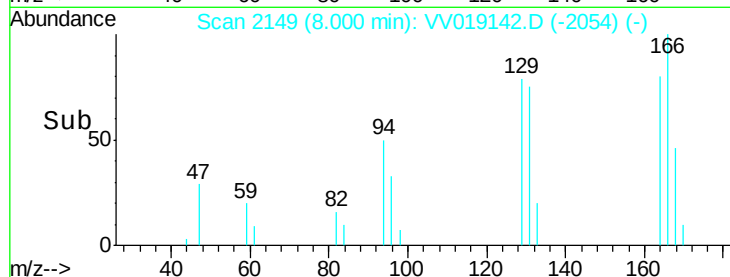
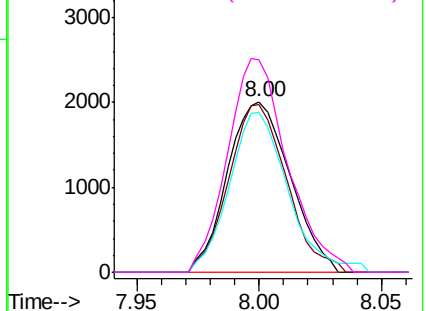
129 98.6 65.5 121.6

131 93.9 62.4 115.8

166 124.8 90.0 167.2



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: 4.604 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Tgt Ion: 43 Resp: 8518

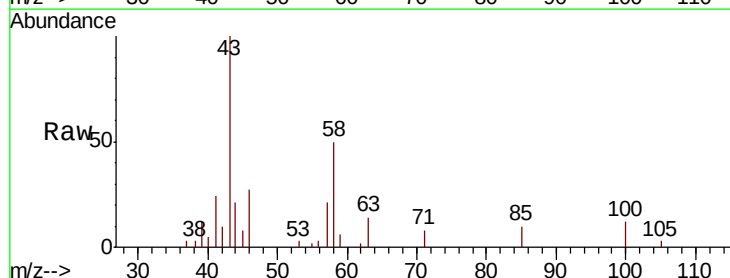
Ion Ratio Lower Upper

43 100

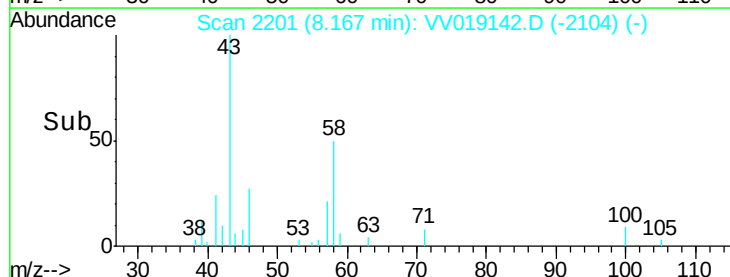
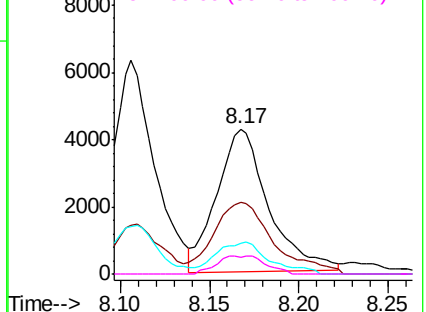
58 58.4 41.1 61.7

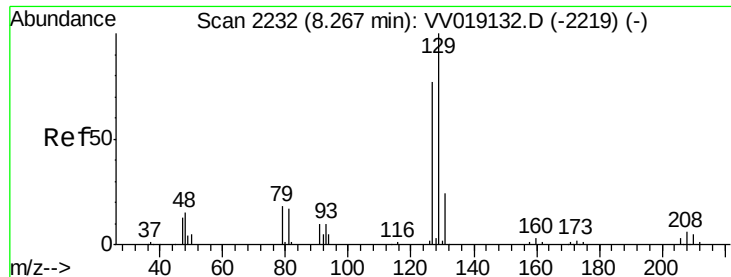
57 23.2 14.7 22.1#

100 6.3 8.6 12.8#



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: 2.660 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

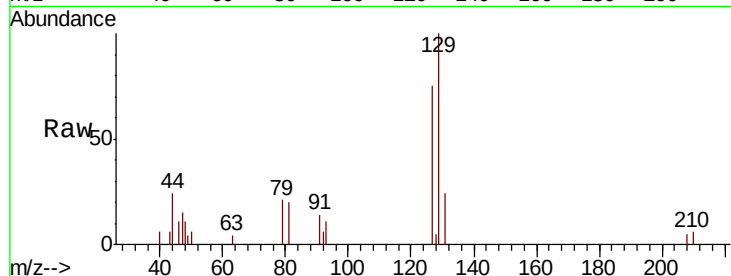
MDL07

Tot Ion:129 Resp: 4564

Ion Ratio Lower Upper

129 100

127 74.6 53.7 99.7

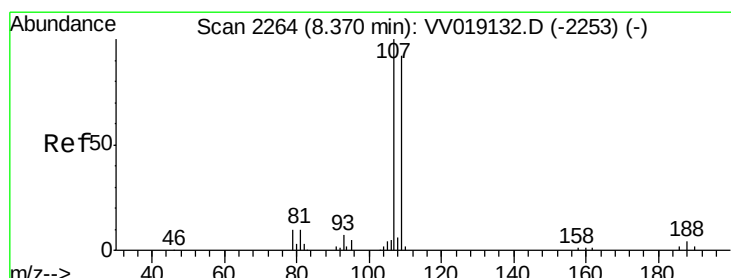
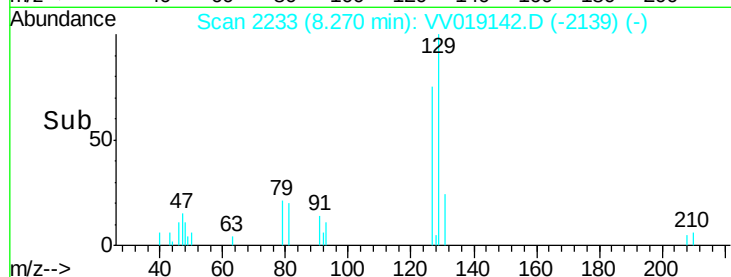


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

Time-->



#50

1,2-Dibromoethane

Concen: 2.369 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

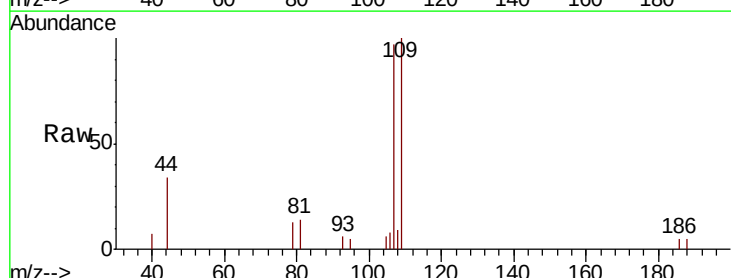
Tgt Ion:107 Resp: 3859

Ion Ratio Lower Upper

107 100

109 103.2 66.1 122.7

188 5.6 3.2 4.8#



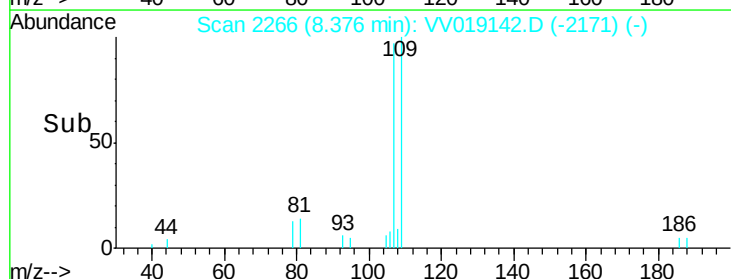
Abundance Ion 107.00 (106.70 to 107.70): V

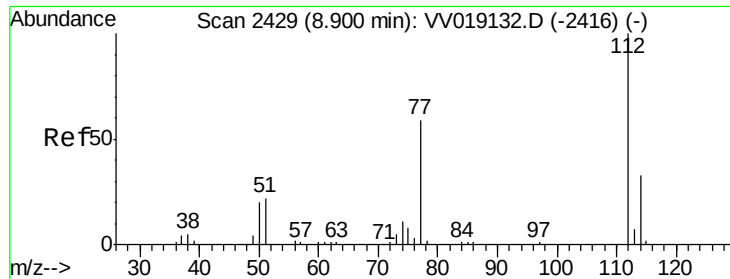
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.38

Time-->

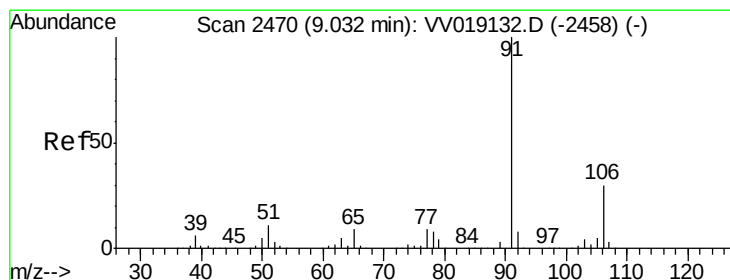
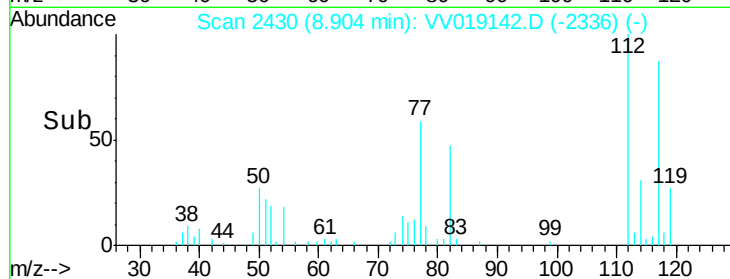
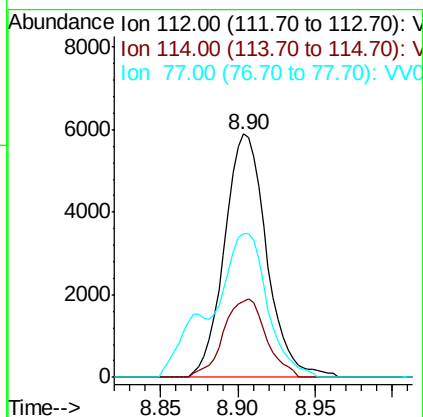
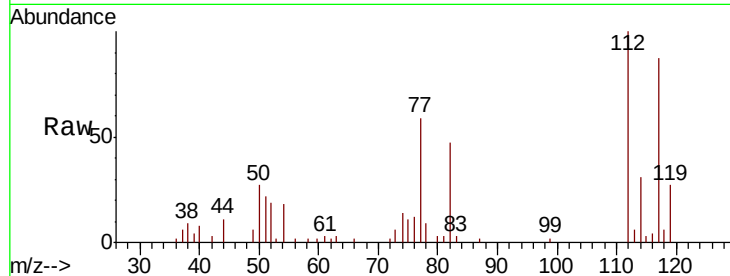




#51
Chlorobenzene
Concen: 2.626 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

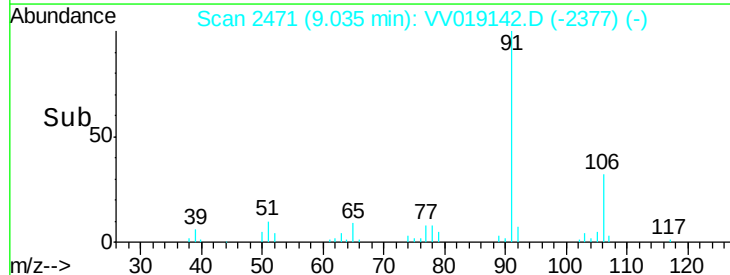
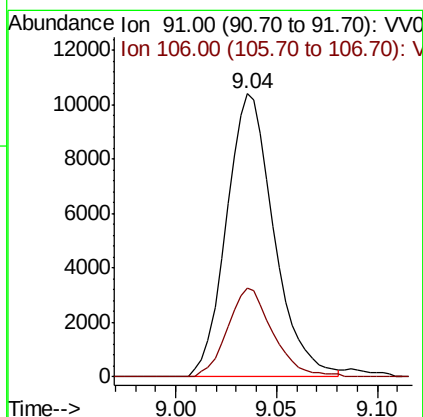
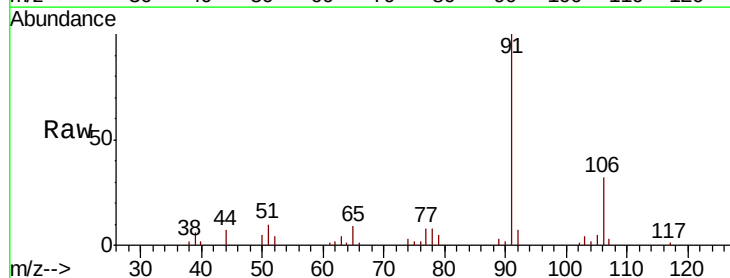
Instrument :
MSVOA_V
ClientSampleId :
MDL07

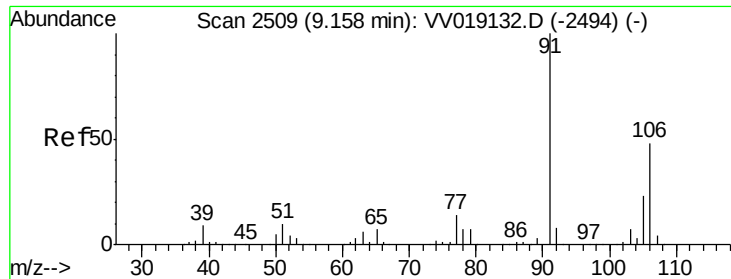
Tot Ion:112 Resp: 11160
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 59.3 49.1 73.7



#52
Ethylbenzene
Concen: 2.386 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Tgt Ion: 91 Resp: 17098
Ion Ratio Lower Upper
91 100
106 31.6 20.9 38.7

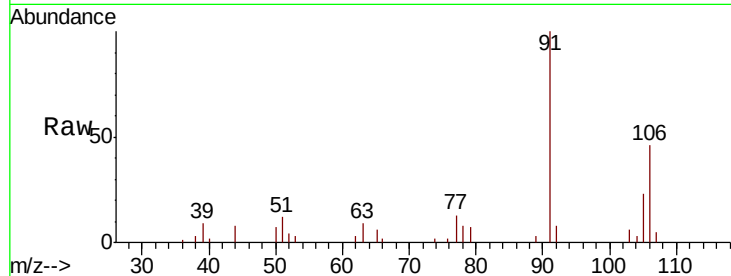




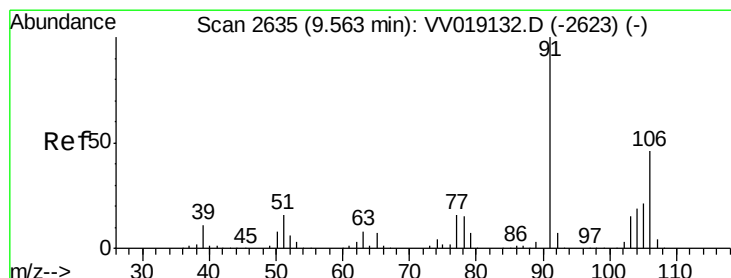
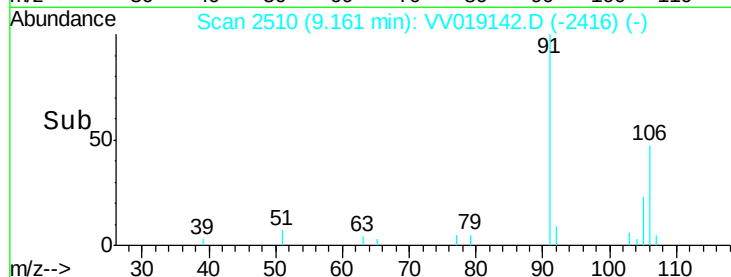
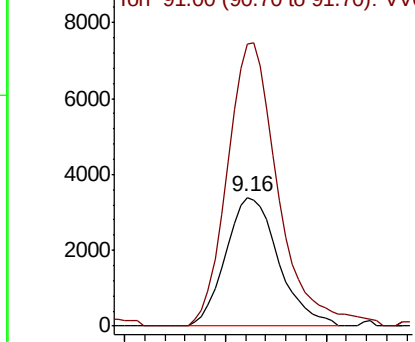
#53
m,p-Xylene
Concen: 2.367 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:106 Resp: 6210
Ion Ratio Lower Upper
106 100
91 219.0 143.4 266.2

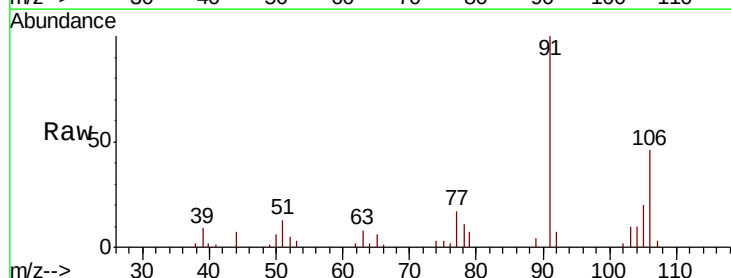


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

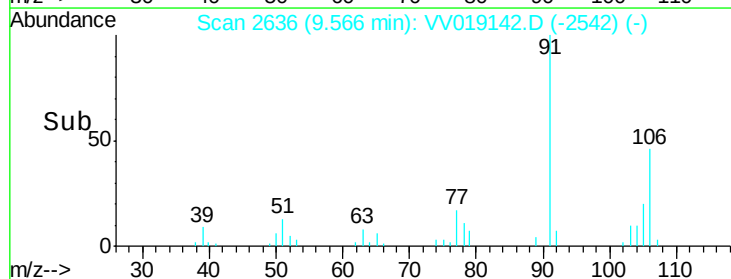
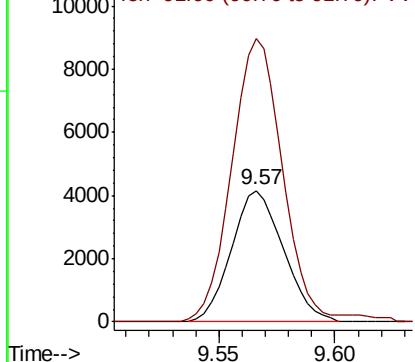


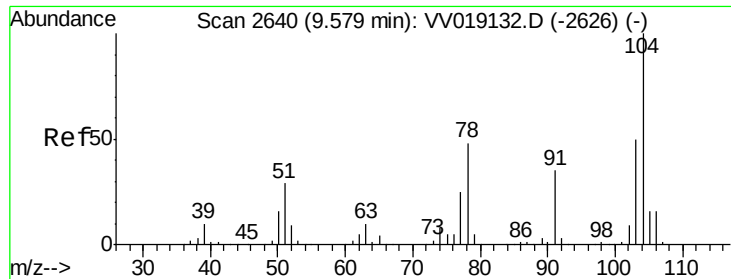
#54
o-xylene
Concen: 2.568 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019142.D
Acq: 28 Oct 2020 18:21

Tgt Ion:106 Resp: 6485
Ion Ratio Lower Upper
106 100
91 215.5 154.3 286.5



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





#55

Stvrene

Concen: 2.294 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

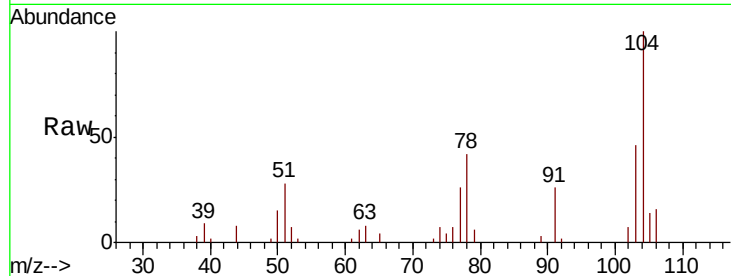
MDL07

Tot Ion:104 Resp: 10278

Ion Ratio Lower Upper

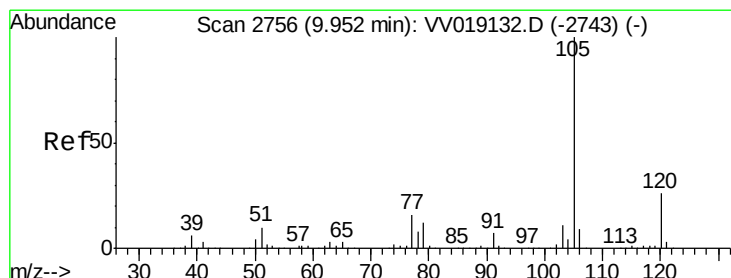
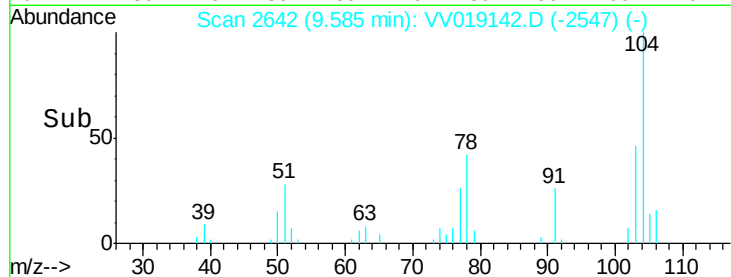
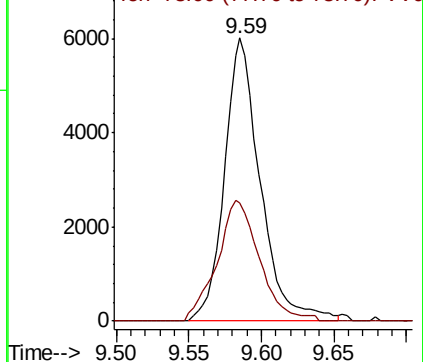
104 100

78 41.7 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 2.450 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

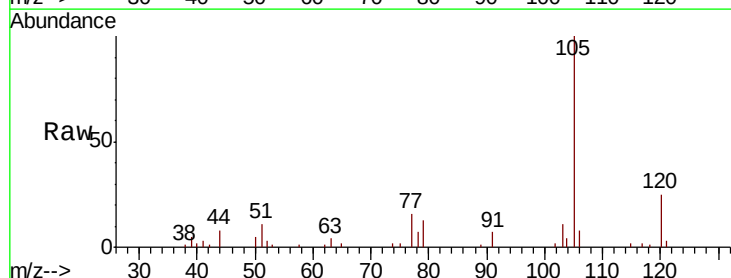
Tgt Ion:105 Resp: 16269

Ion Ratio Lower Upper

105 100

120 24.8 20.6 31.0

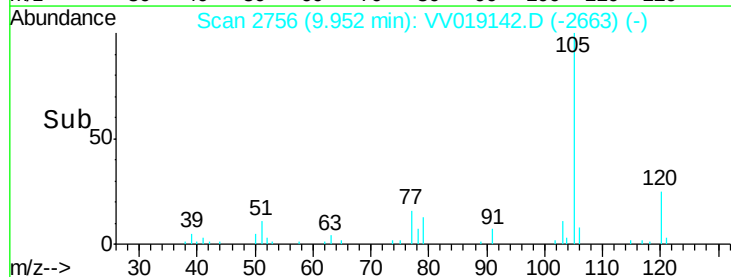
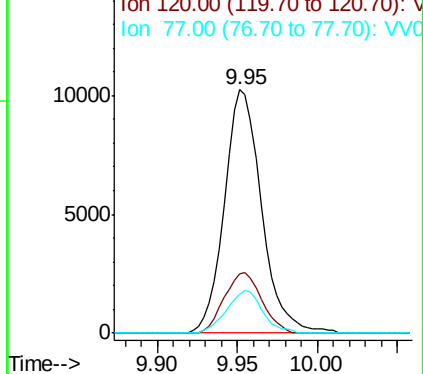
77 16.7 13.4 20.0

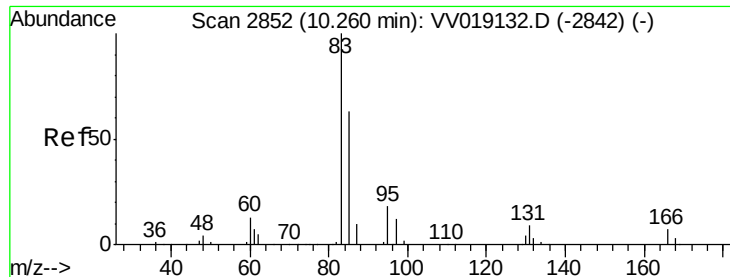


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.478 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampled :

MDL07

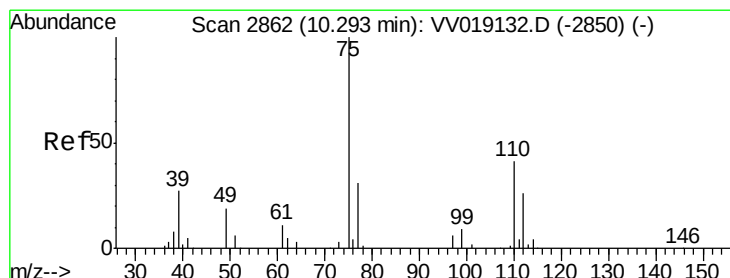
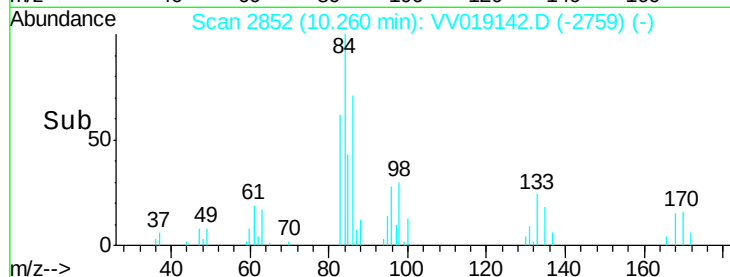
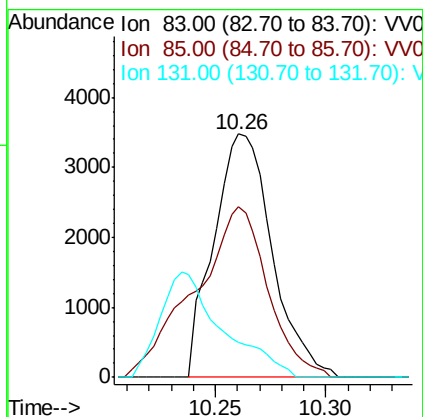
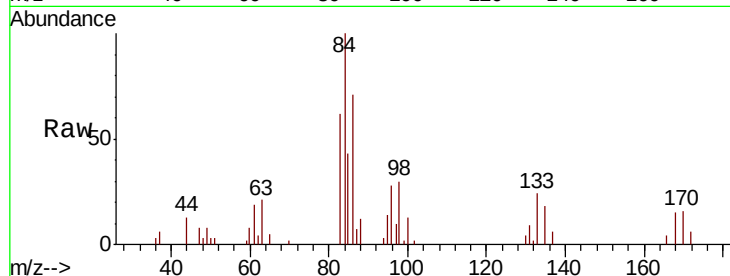
Tot Ion: 83 Resp: 6400

Ion Ratio Lower Upper

83 100

85 70.3 44.2 82.2

131 14.1 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 2.645 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019142.D

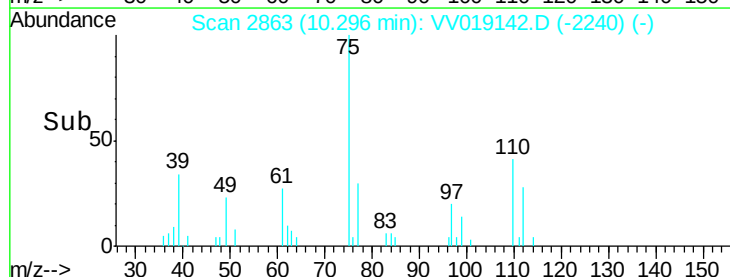
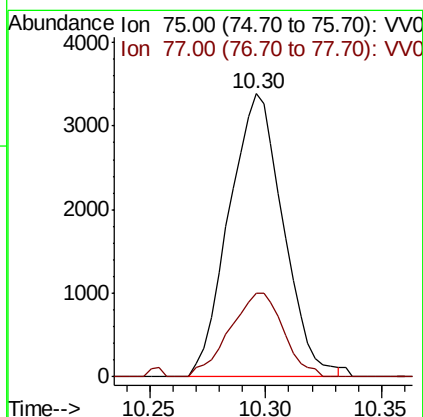
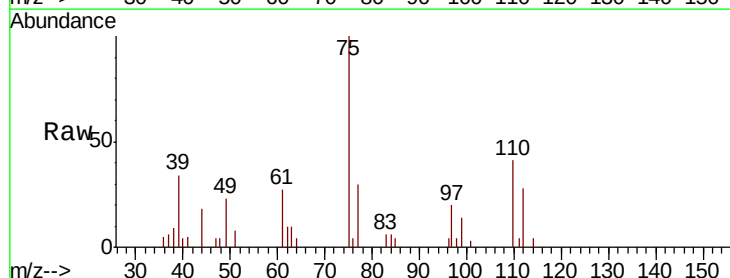
Acq: 28 Oct 2020 18:21

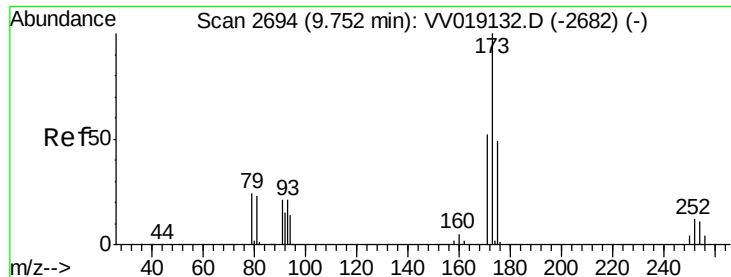
Tgt Ion: 75 Resp: 5496

Ion Ratio Lower Upper

75 100

77 29.4 25.9 38.9





#61

Bromoform

Concen: 2.826 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

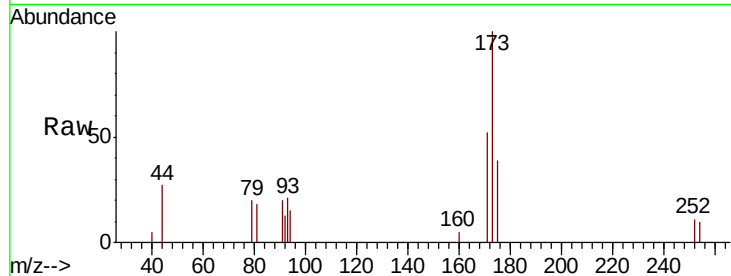
Tot Ion:173 Resp: 3520

Ion Ratio Lower Upper

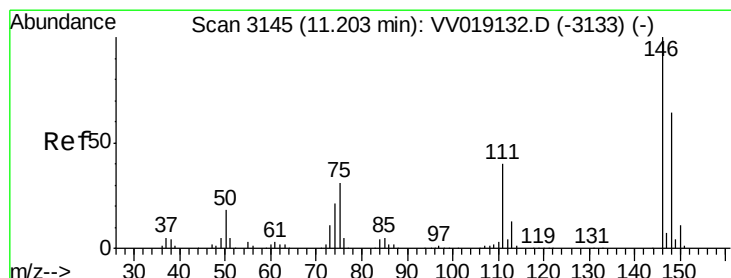
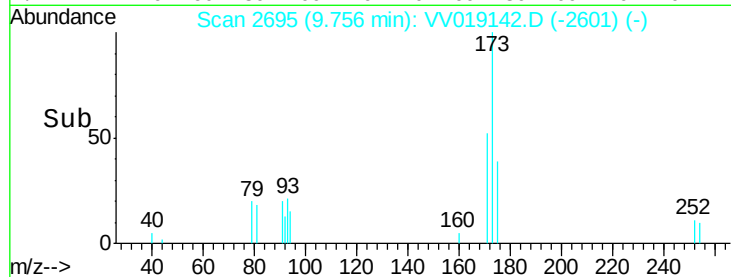
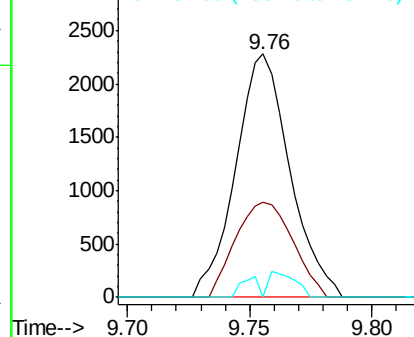
173 100

175 41.4 38.3 57.5

254 2.7 8.3 12.5#



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: 2.684 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

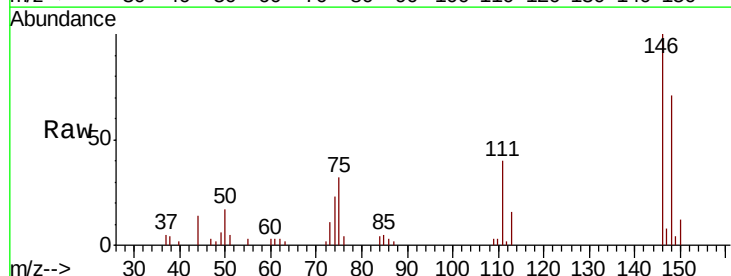
Tgt Ion:146 Resp: 8910

Ion Ratio Lower Upper

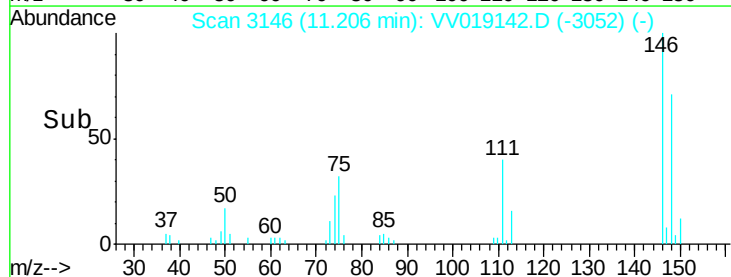
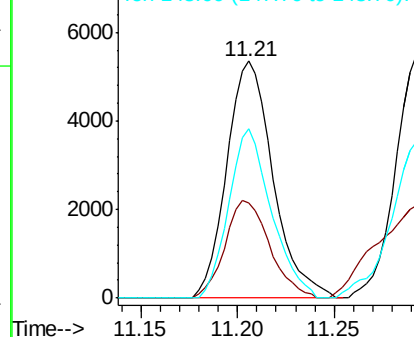
146 100

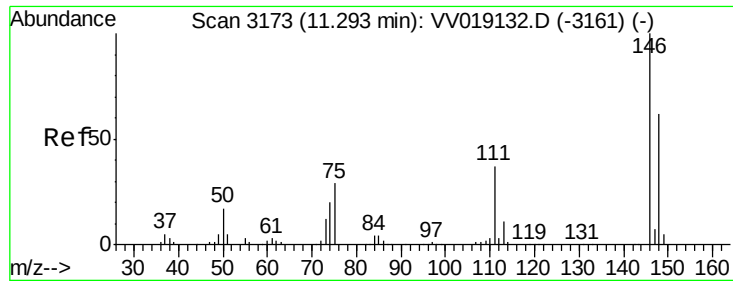
111 40.4 28.8 53.4

148 71.4 44.5 82.7



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: 2.874 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

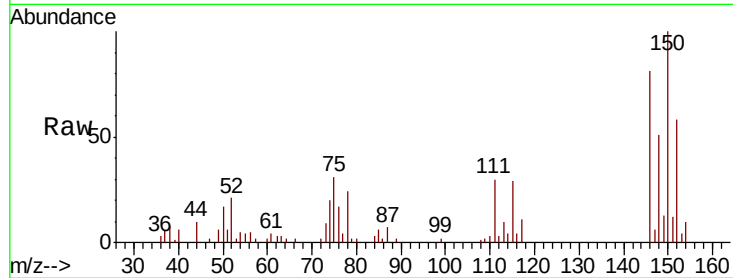
Tot Ion:146 Resp: 9967

Ion Ratio Lower Upper

146 100

111 37.1 27.8 51.6

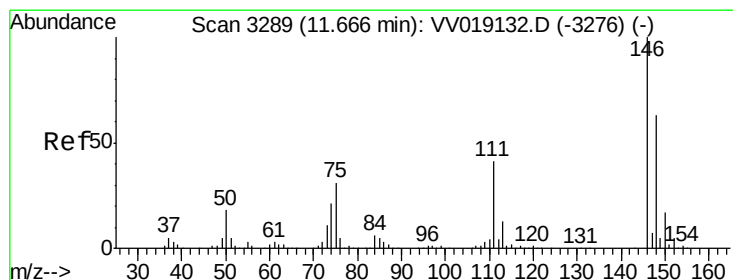
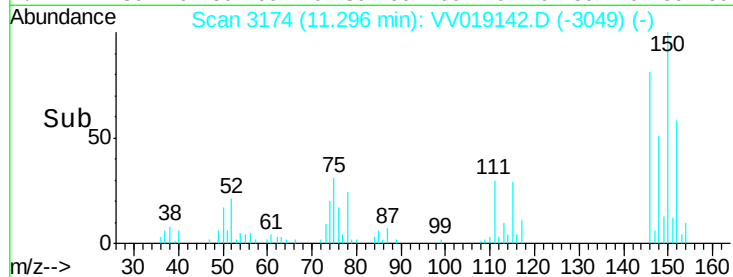
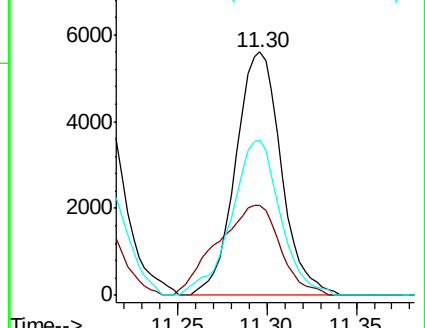
148 63.8 45.1 83.9



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: 2.976 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

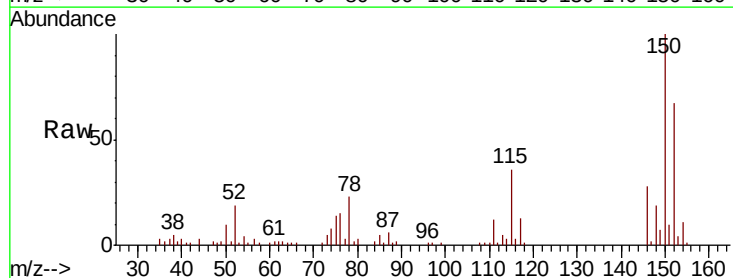
Tgt Ion:146 Resp: 9961

Ion Ratio Lower Upper

146 100

111 42.1 33.3 49.9

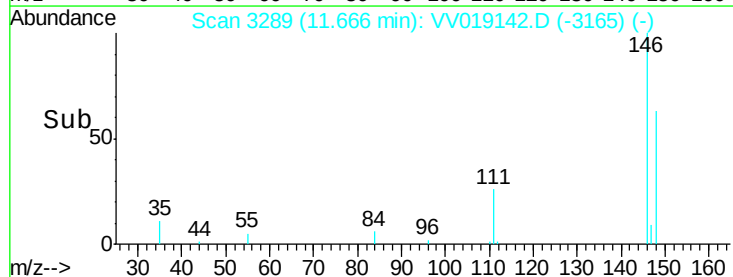
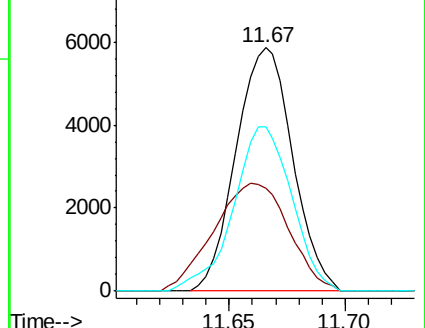
148 67.5 51.1 76.7

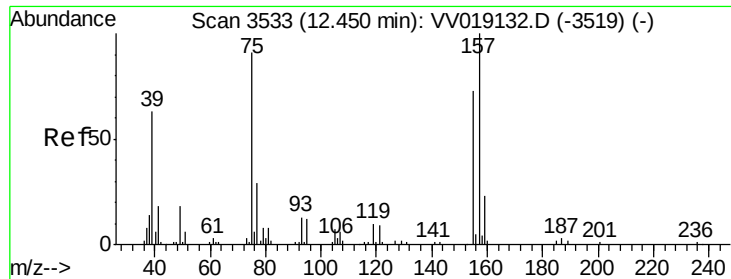


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

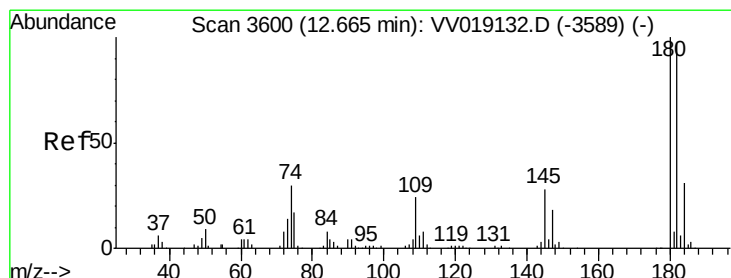
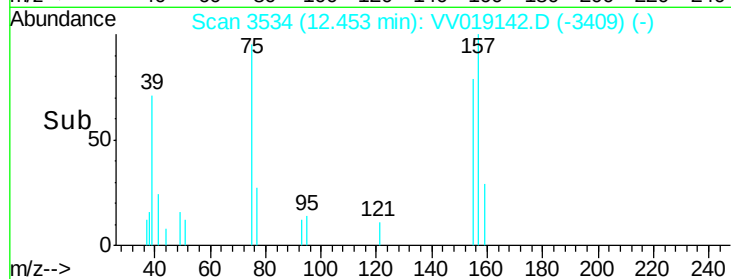
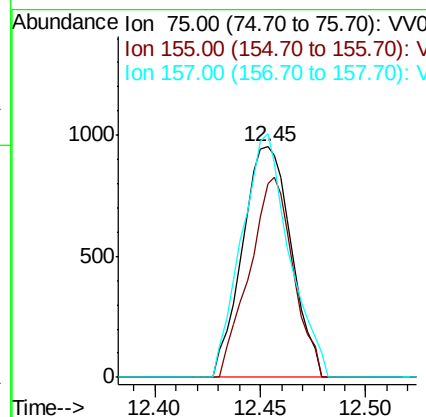
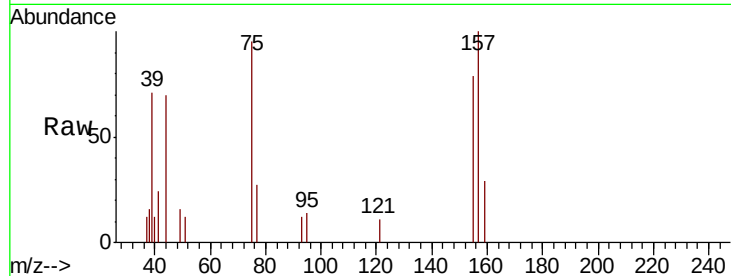




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.591 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

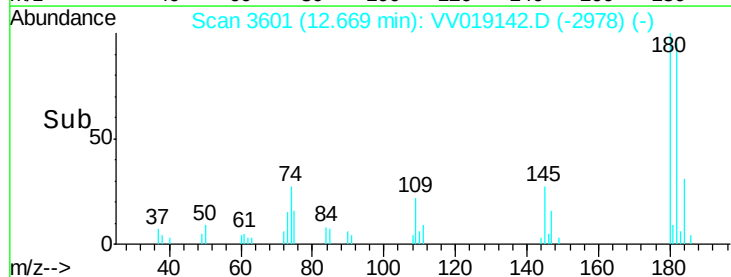
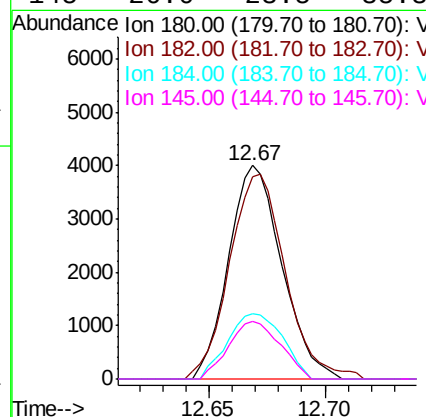
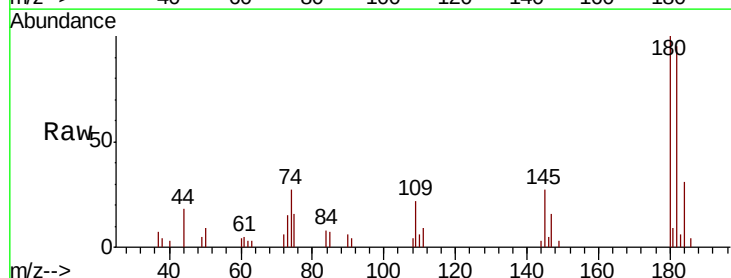
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

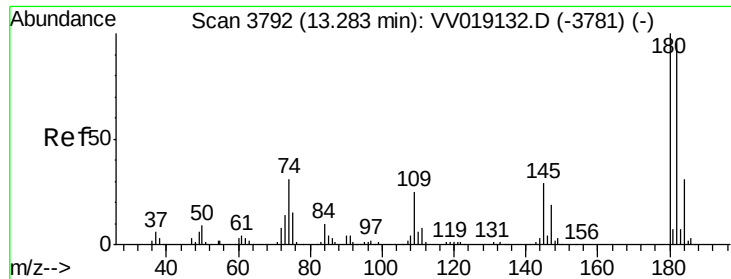
Tot Ion: 75 Resp: 1532
 Ion Ratio Lower Upper
 75 100
 155 83.8 62.2 93.4
 157 105.7 79.9 119.9



#67
 1,3,5-Trichlorobenzene
 Concen: 2.819 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019142.D
 Acq: 28 Oct 2020 18:21

Tgt Ion: 180 Resp: 6390
 Ion Ratio Lower Upper
 180 100
 182 100.7 77.4 116.0
 184 31.5 24.7 37.1
 145 26.0 23.5 35.3





#68

1,2,4-trichlorobenzene

Concen: 2.511 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

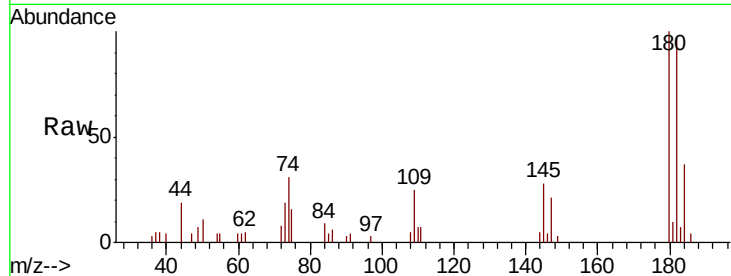
Tot Ion:180 Resp: 5367

Ion Ratio Lower Upper

180 100

182 99.7 77.4 116.2

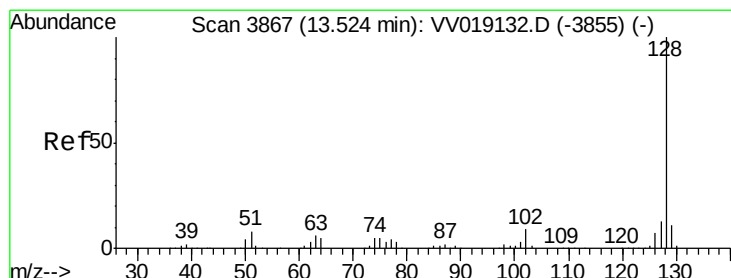
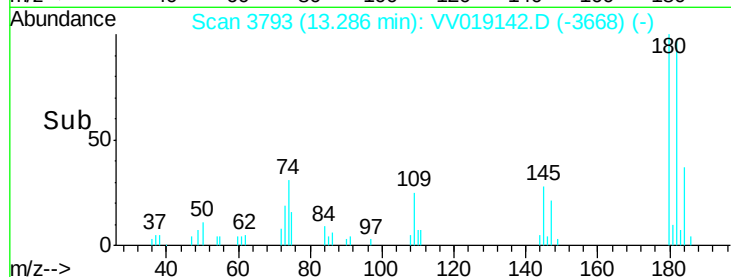
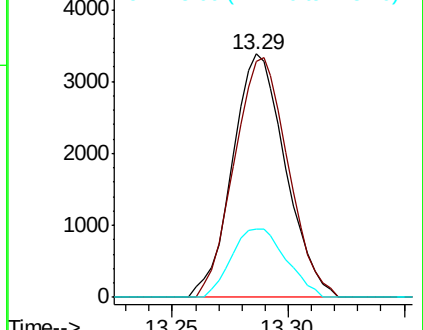
145 29.1 23.7 35.5



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: 1.993 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

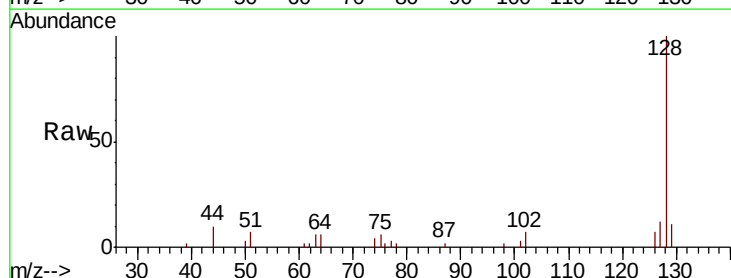
Tgt Ion:128 Resp: 13127

Ion Ratio Lower Upper

128 100

127 12.0 10.6 15.8

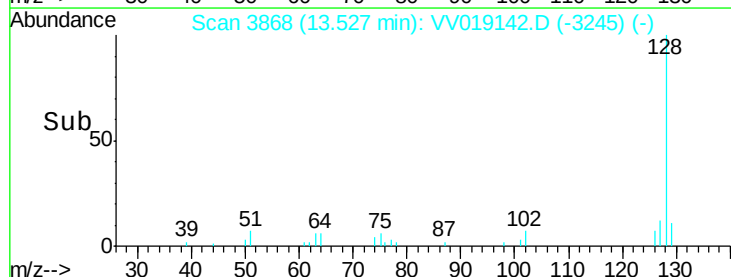
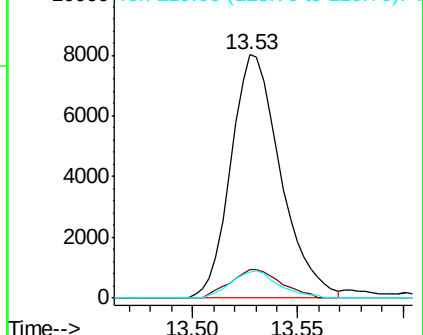
129 10.6 8.7 13.1

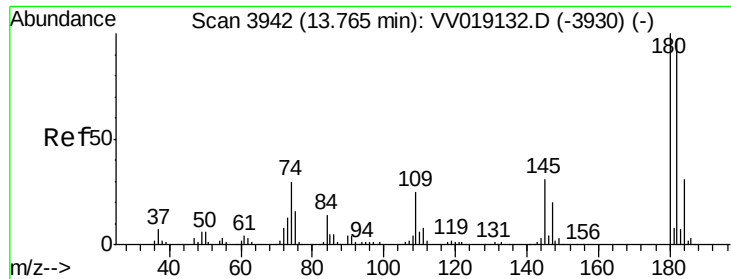


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70

1,2,3-Trichlorobenzene

Concen: 2.685 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019142.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA_V

ClientSampleId :

MDL07

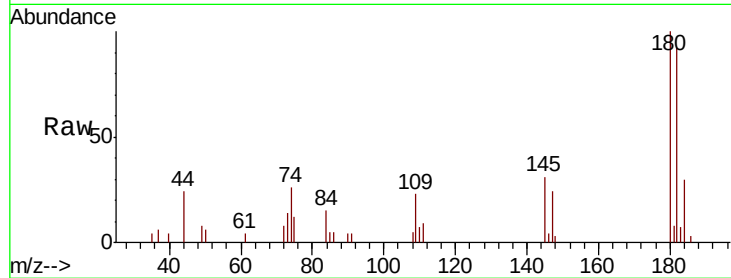
Tot Ion:180 Resp: 5815

Ion Ratio Lower Upper

180 100

182 87.5 76.9 115.3

145 33.3 25.6 38.4



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

