

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019139.D
 Acq On : 28 Oct 2020 17:10
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 29 03:17:08 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	225843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	219882	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	114243	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74401	36.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.52%
7) Chloroethane-d5	1.58	69	63301	38.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.66%
11) 1,1-Dichloroethene-d2	2.12	63	123649	32.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.36%
21) 2-Butanone-d5	3.91	46	107344	77.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.79%
24) Chloroform-d	4.37	84	159922	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.05	65	114749	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.07	84	298897	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
36) 1,2-Dichloropropane-d6	6.09	67	90545	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.12%
41) Toluene-d8	7.34	98	275841	45.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.72%
43) trans-1,3-Dichloropropene-	7.64	79	49244	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.11	63	81593	86.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	118844	40.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	117983	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4045	2.299	ug/L	90
3) Chloromethane	1.25	50	4593	2.099	ug/L	93
5) Vinyl chloride	1.32	62	4684	2.173	ug/L #	67
6) Bromomethane	1.53	94	3010	2.441	ug/L	92
8) Chloroethane	1.60	64	3406	2.520	ug/L	95
9) Trichlorofluoromethane	1.77	101	7570	2.670	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4108	2.725	ug/L #	87
12) 1,1-Dichloroethene	2.13	96	4538	3.008	ug/L #	1
13) Acetone	2.19	43	4572	4.889	ug/L	76
14) Carbon disulfide	2.31	76	10211	2.053	ug/L	97
15) Methyl Acetate	2.45	43	4262	2.169	ug/L	99
16) Methylene chloride	2.52	84	4682	2.663	ug/L	81
17) trans-1,2-Dichloroethene	2.78	96	3918	2.458	ug/L	87
18) Methyl tert-butyl Ether	2.79	73	13474	2.607	ug/L	97
19) 1,1-Dichloroethane	3.21	63	7558	2.348	ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	4267	2.503	ug/L	87
23) Bromochloromethane	4.28	128	2215	2.553	ug/L	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019139.D
 Acq On : 28 Oct 2020 17:10
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

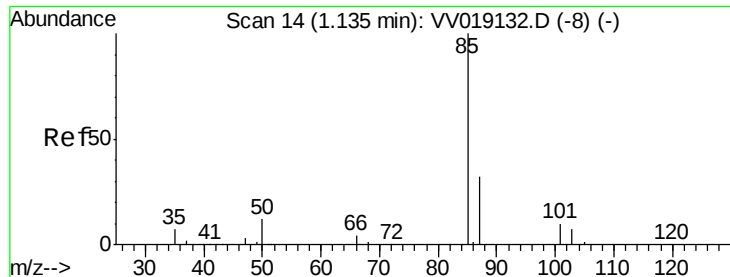
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 29 03:17:08 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	9164	2.890	µg/L	98
27) 1,2-Dichloroethane	5.16	62	7499	2.850	µg/L	97
29) Cyclohexane	4.70	56	4892	1.859	µg/L #	85
30) 1,1,1-Trichloroethane	4.64	97	7524	2.748	µg/L	94
31) Carbon tetrachloride	4.86	117	6191	2.594	µg/L	98
33) Benzene	5.13	78	15659	2.326	µg/L	100
34) Trichloroethene	5.94	95	4251	2.499	µg/L	98
35) Methylcyclohexane	6.16	83	4251	1.827	µg/L	96
37) 1,2-Dichloropropane	6.20	63	4034	2.177	µg/L #	94
38) Bromodichloromethane	6.54	83	5814	2.480	µg/L	89
39) cis-1,3-Dichloropropene	7.05	75	6702	2.447	µg/L	99
40) 4-Methyl-2-pentanone	7.25	43	10040	4.016	µg/L	96
42) Toluene	7.41	91	17436	2.524	µg/L	93
44) trans-1,3-Dichloropropene	7.68	75	6361	2.341	µg/L	98
45) 1,1,2-Trichloroethane	7.87	97	4036	2.466	µg/L	97
46) Tetrachloroethene	8.00	164	3550	2.720	µg/L	97
48) 2-Hexanone	8.16	43	8810	4.567	µg/L #	95
49) Dibromochloromethane	8.27	129	4581	2.561	µg/L	100
50) 1,2-Dibromoethane	8.38	107	4422	2.604	µg/L	95
51) Chlorobenzene	8.90	112	11850	2.674	µg/L	98
52) Ethylbenzene	9.04	91	17467	2.338	µg/L	99
53) m,p-Xylene	9.16	106	6175	2.258	µg/L	97
54) o-xylene	9.57	106	5902	2.241	µg/L	87
55) Styrene	9.59	104	9765	2.090	µg/L	99
56) Isopropylbenzene	9.96	105	15700	2.267	µg/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	6137	2.279	µg/L #	95
59) 1,2,3-Trichloropropane	10.30	75	5096	2.352	µg/L	98
61) Bromoform	9.76	173	3497	2.718	µg/L #	38
62) 1,3-Dichlorobenzene	11.21	146	8336	2.432	µg/L	96
63) 1,4-Dichlorobenzene	11.30	146	9926	2.771	µg/L	97
65) 1,2-Dichlorobenzene	11.67	146	9620	2.783	µg/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1427	2.337	µg/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	6367	2.720	µg/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6075	2.752	µg/L	94
69) Naphthalene	13.53	128	12352	1.816	µg/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	5600	2.504	µg/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.299 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

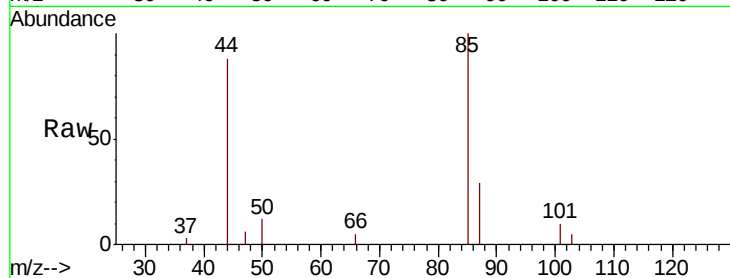
MDL04

Tot Ion: 85 Resp: 4045

Ion Ratio Lower Upper

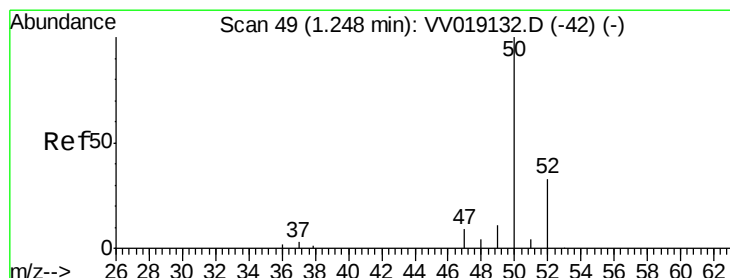
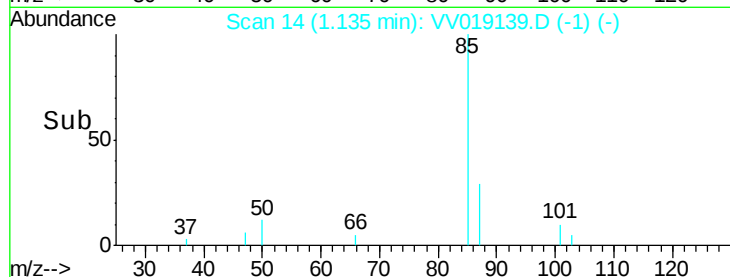
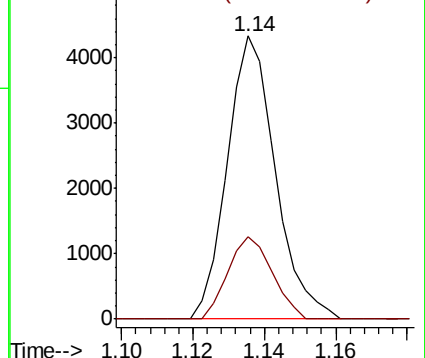
85 100

87 26.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019139.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019139.D (-8) (-)



#3

Chloromethane

Concen: 2.099 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019139.D

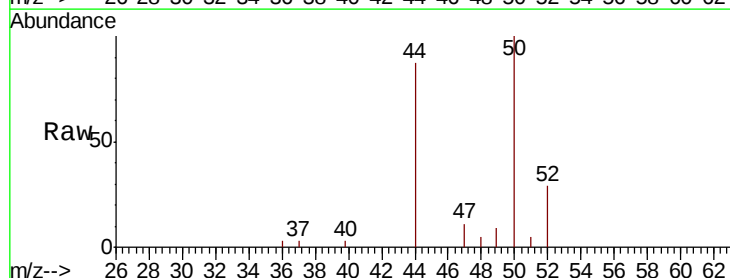
Acq: 28 Oct 2020 17:10

Tgt Ion: 50 Resp: 4593

Ion Ratio Lower Upper

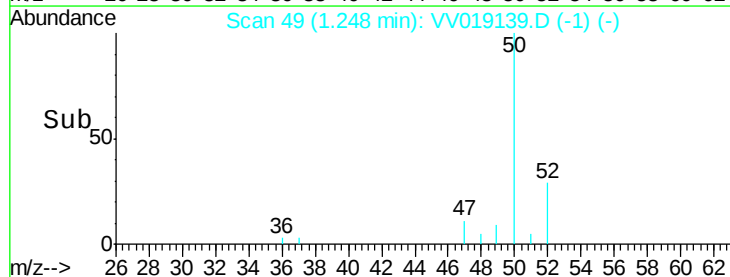
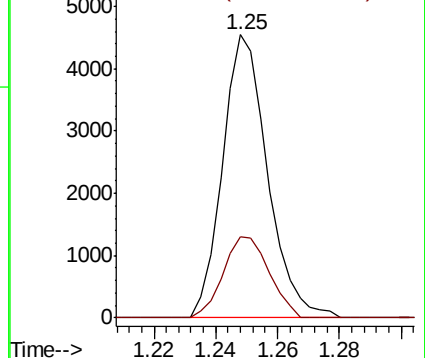
50 100

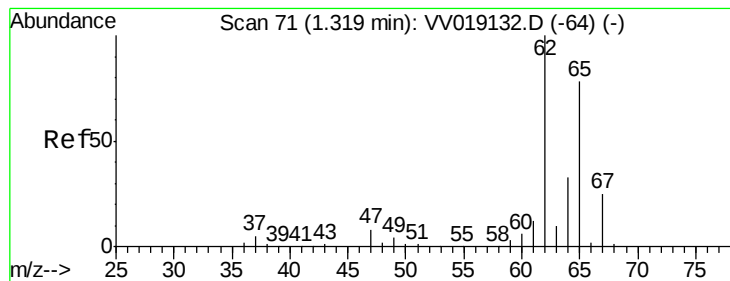
52 28.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019139.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019139.D (-42) (-)





#5

Vinyl chloride

Concen: 2.173 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

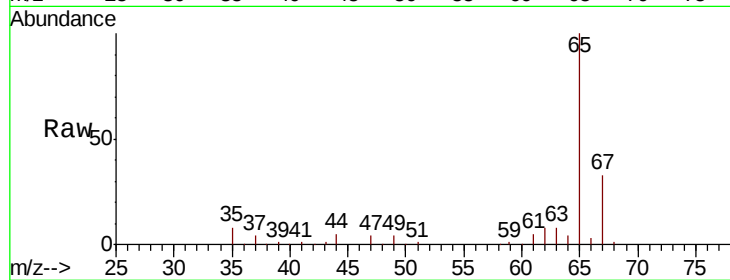
MDL04

Tot Ion: 62 Resp: 4684

Ion Ratio Lower Upper

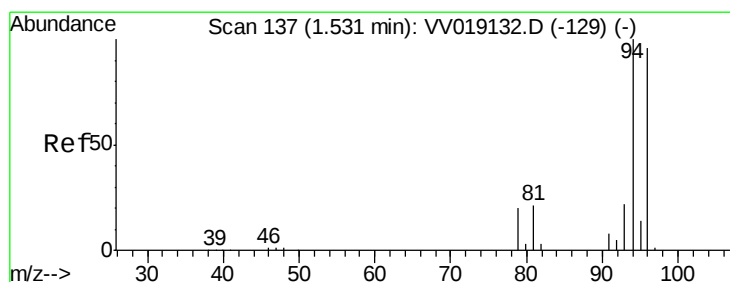
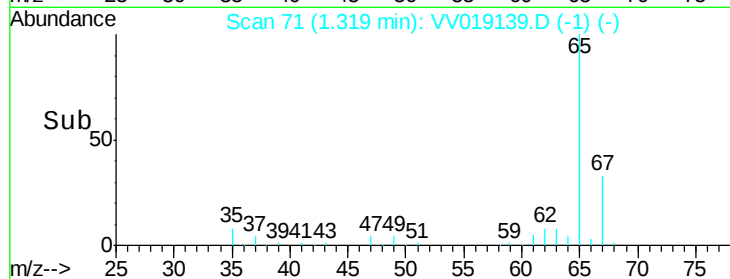
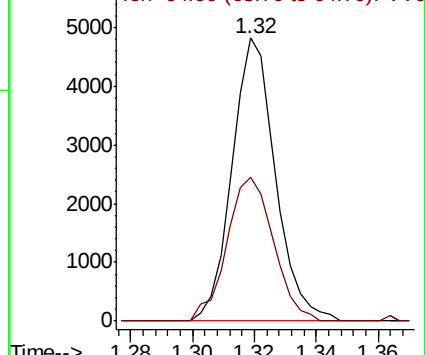
62 100

64 51.0 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: 2.441 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019139.D

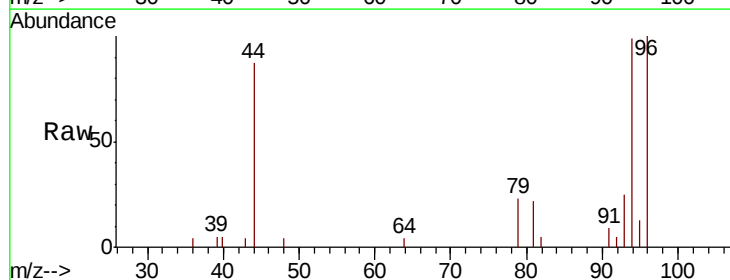
Acq: 28 Oct 2020 17:10

Tgt Ion: 94 Resp: 3010

Ion Ratio Lower Upper

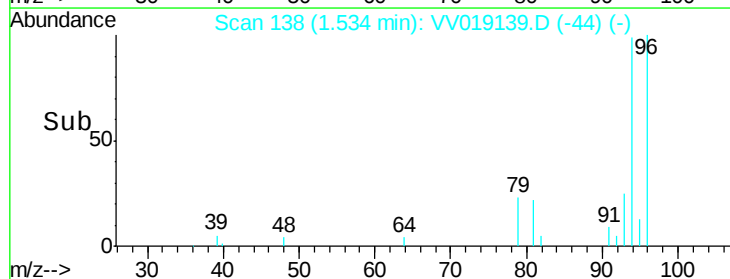
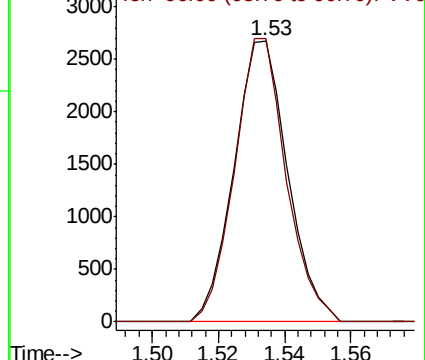
94 100

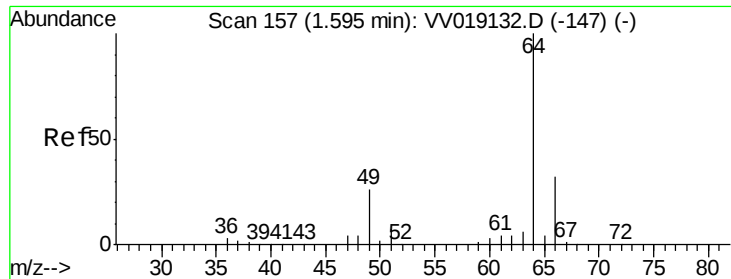
96 100.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

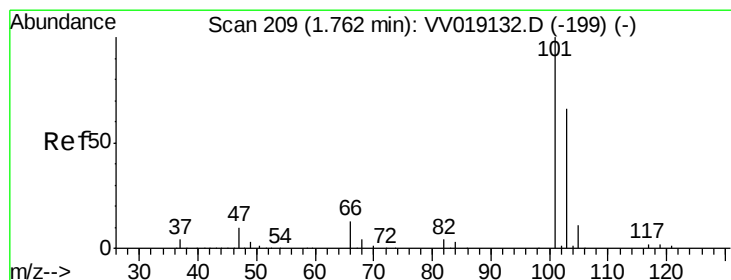
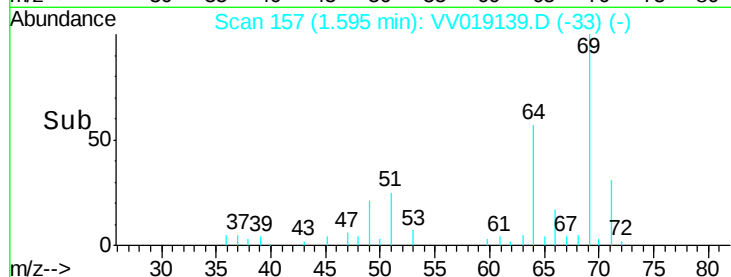
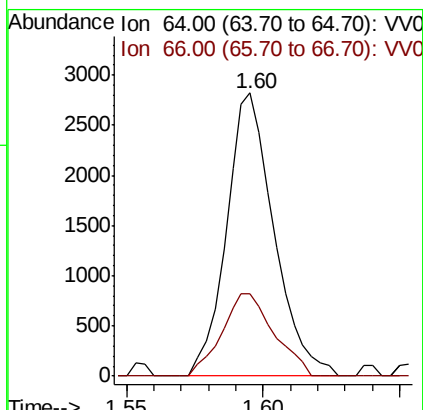
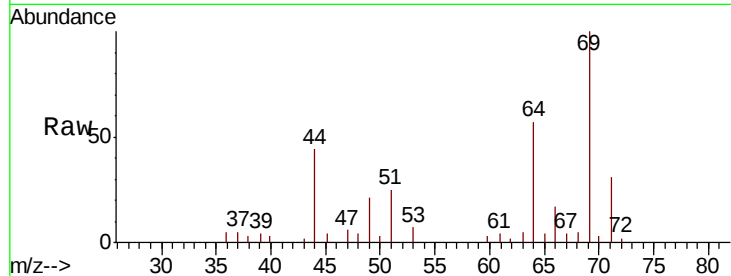




#8
Chloroethane
Concen: 2.520 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

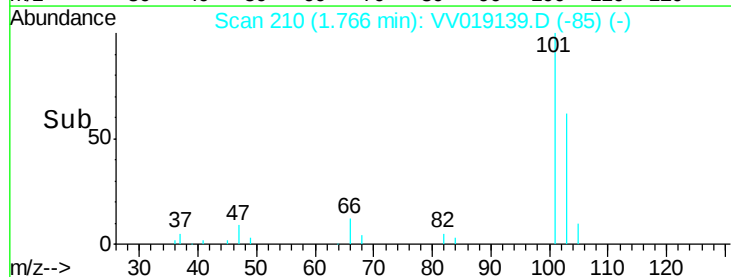
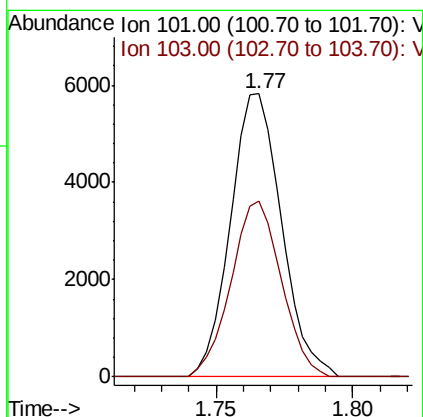
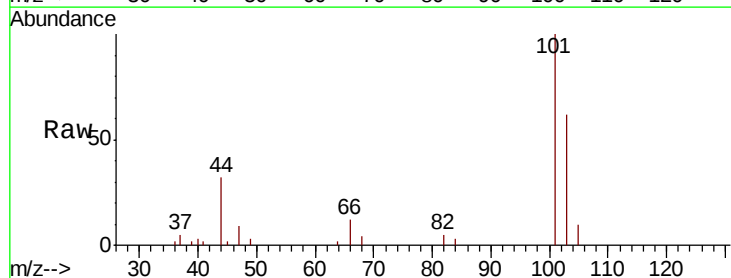
Instrument :
MSVOA_V
ClientSampled :
MDL04

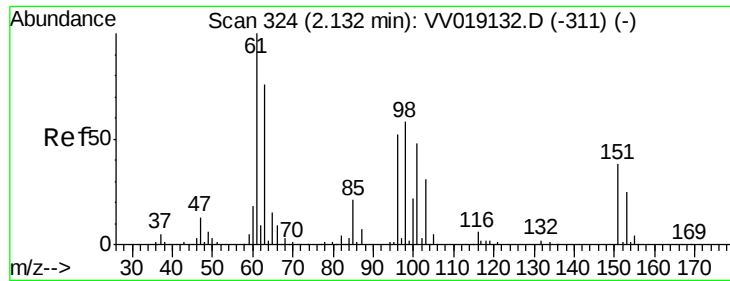
Tot Ion: 64 Resp: 3406
Ion Ratio Lower Upper
64 100
66 29.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.670 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 101 Resp: 7570
Ion Ratio Lower Upper
101 100
103 61.1 51.7 77.5





#10

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

Concen: 2.725 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

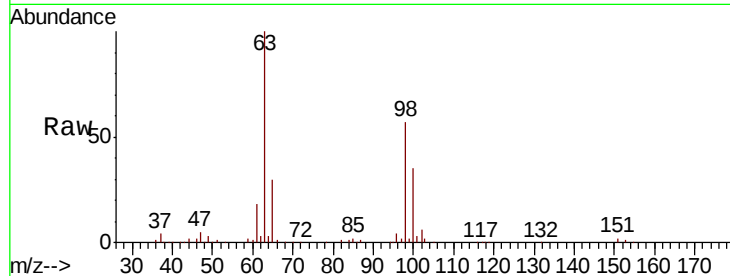
Tot Ion:101 Resp: 4108

Ion Ratio Lower Upper

101 100

85 35.9 36.9 55.3#

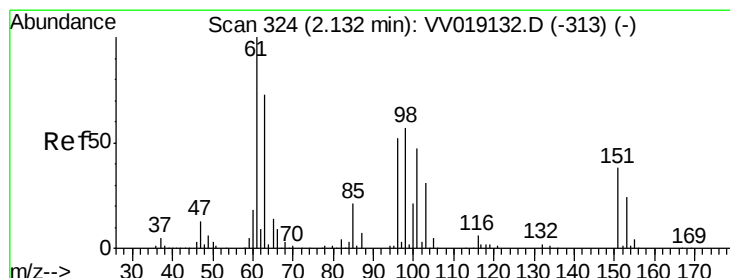
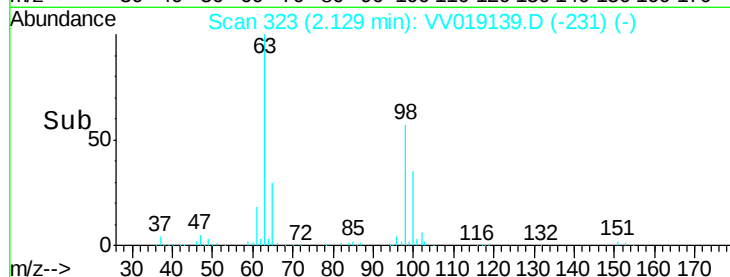
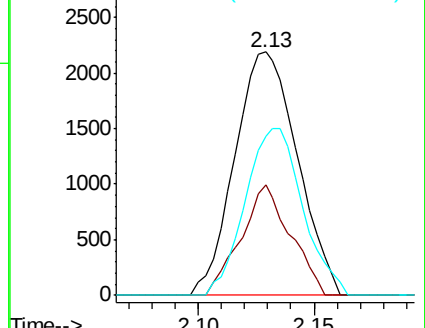
151 63.0 58.2 87.2



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: 3.008 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

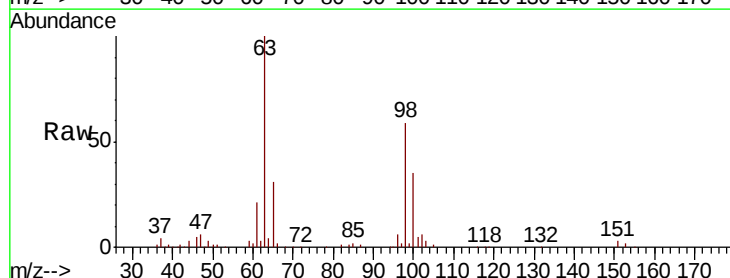
Tgt Ion: 96 Resp: 4538

Ion Ratio Lower Upper

96 100

61 338.7 138.7 257.7#

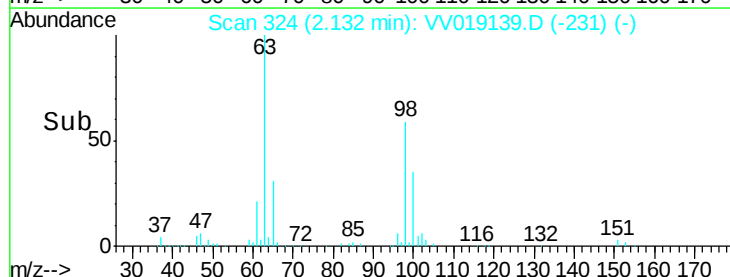
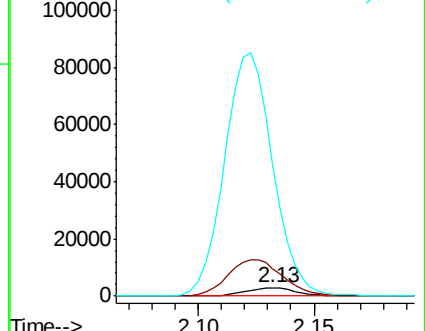
63 1599.4 126.3 234.6#

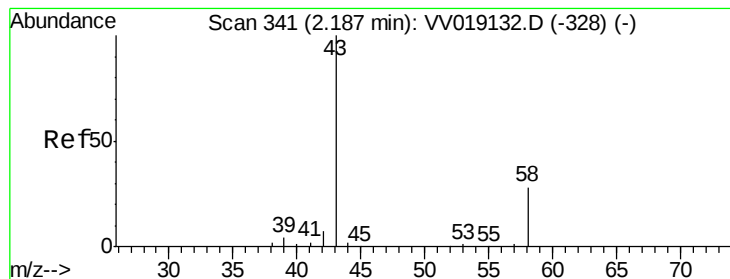


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.889 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

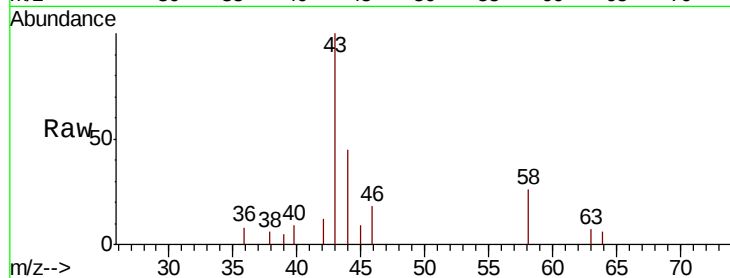
MDL04

Tot Ion: 43 Resp: 4572

Ion Ratio Lower Upper

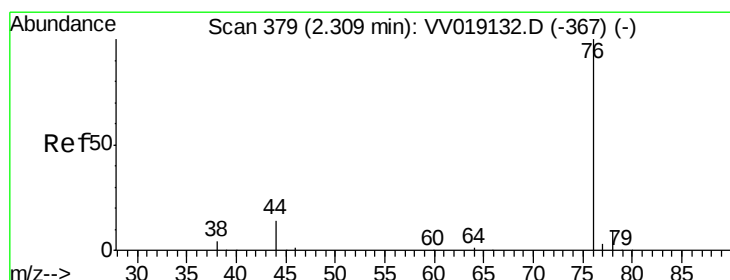
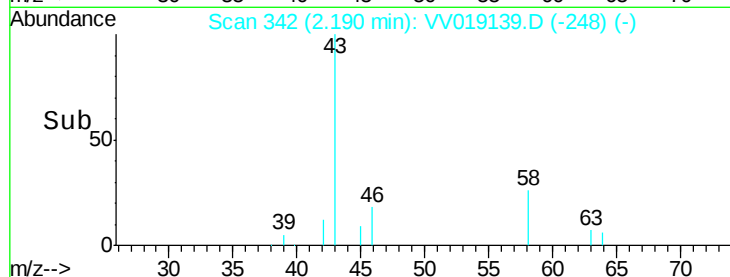
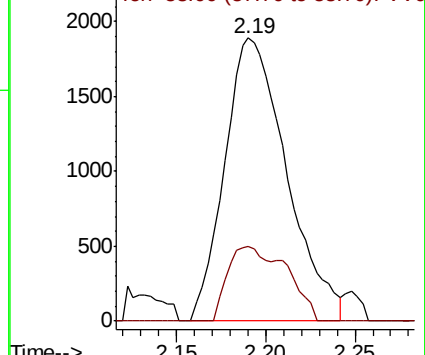
43 100

58 17.0 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: 2.053 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019139.D

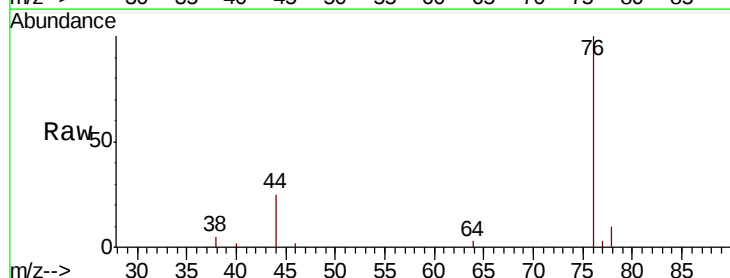
Acq: 28 Oct 2020 17:10

Tgt Ion: 76 Resp: 10211

Ion Ratio Lower Upper

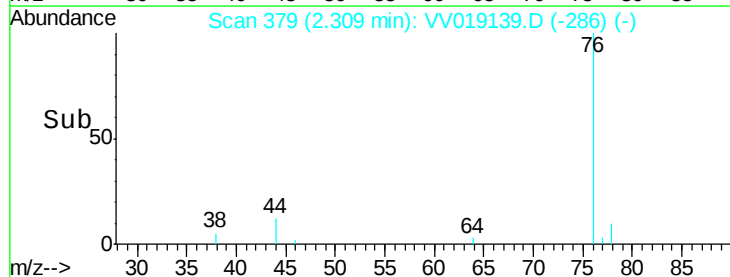
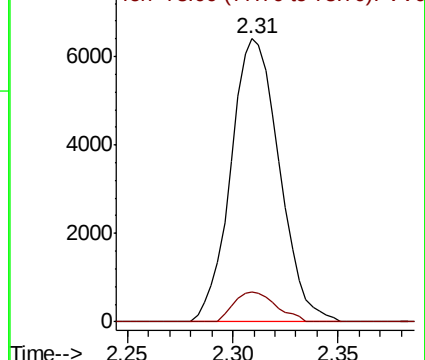
76 100

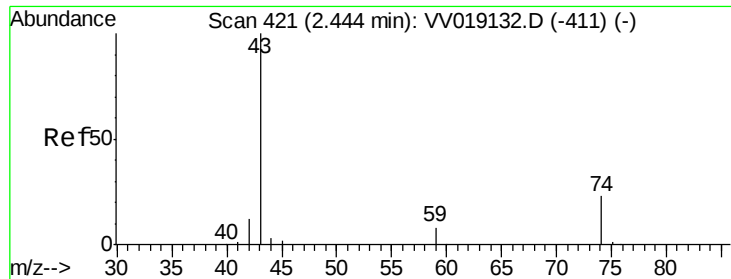
78 10.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

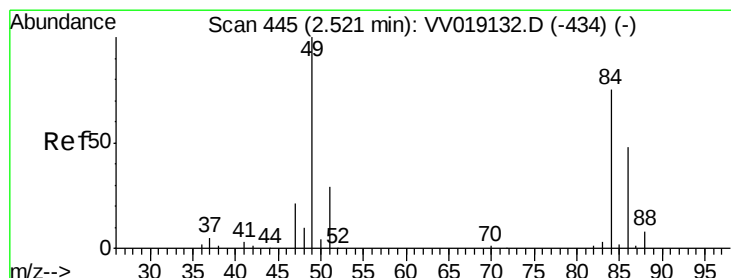
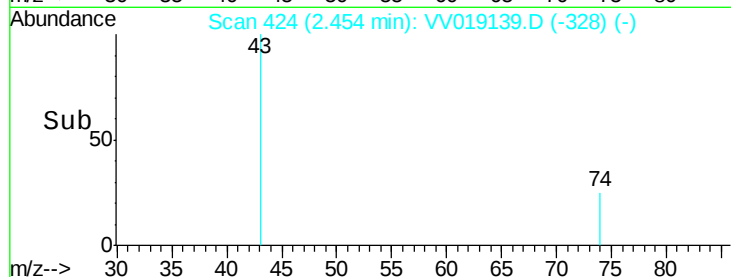
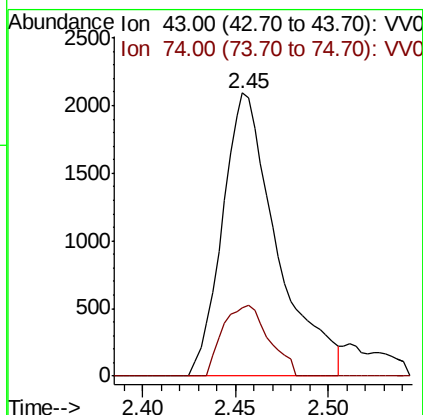
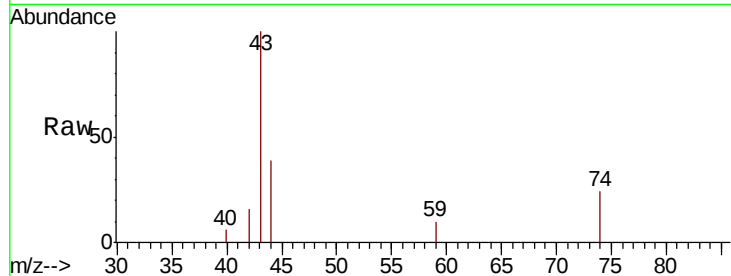




#15
Methvl Acetate
Concen: 2.169 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

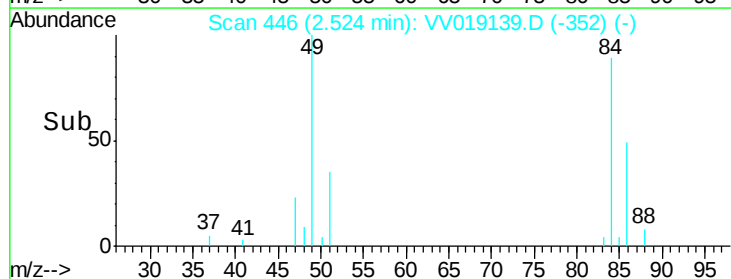
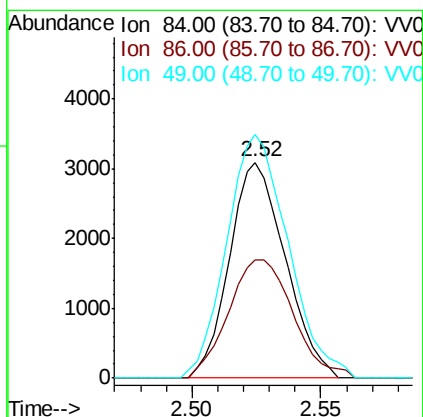
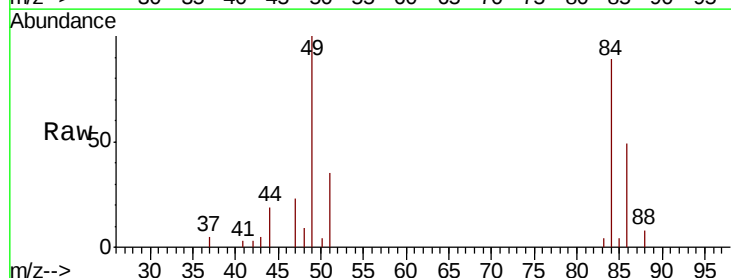
Instrument :
MSVOA_V
ClientSampleId :
MDL04

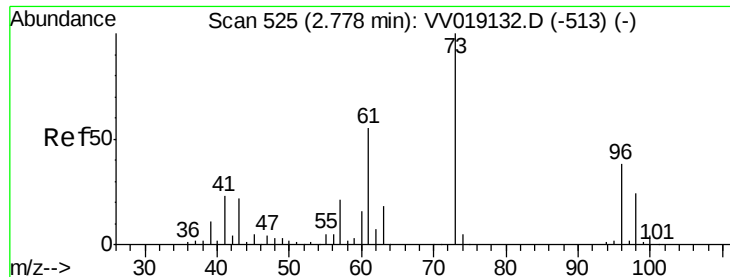
Tot Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
74 21.1 16.4 24.6



#16
Methylene chloride
Concen: 2.663 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 84 Resp: 4682
Ion Ratio Lower Upper
84 100
86 55.0 44.2 82.2
49 112.9 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 2.458 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

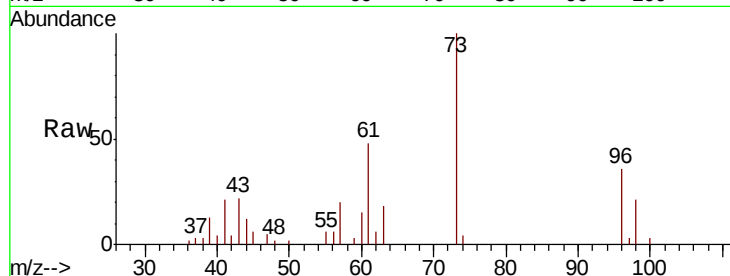
Tot Ion: 96 Resp: 3918

Ion Ratio Lower Upper

96 100

61 135.2 108.6 201.8

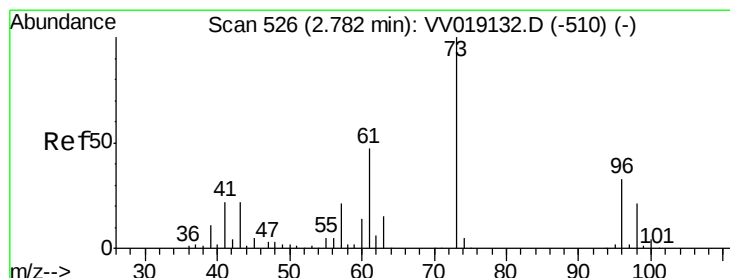
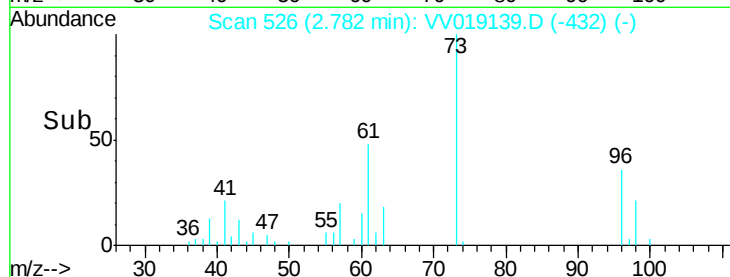
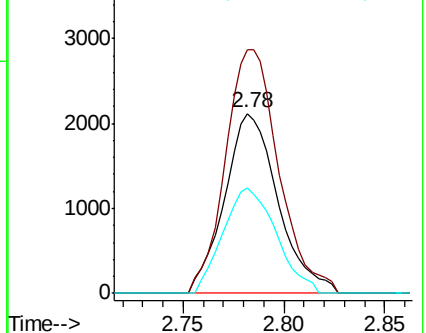
98 58.6 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.607 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

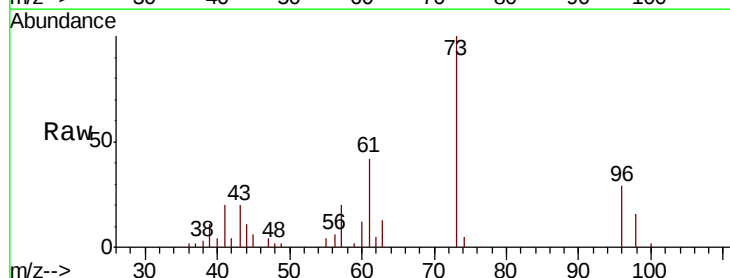
Tgt Ion: 73 Resp: 13474

Ion Ratio Lower Upper

73 100

43 21.6 17.2 25.8

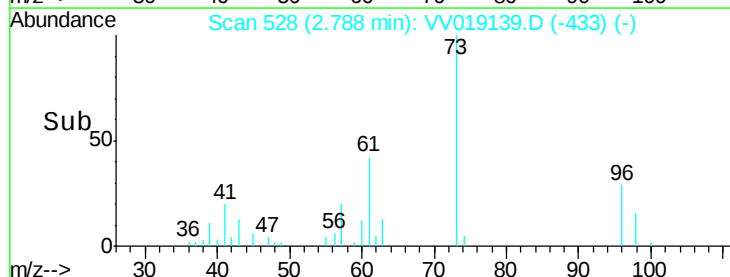
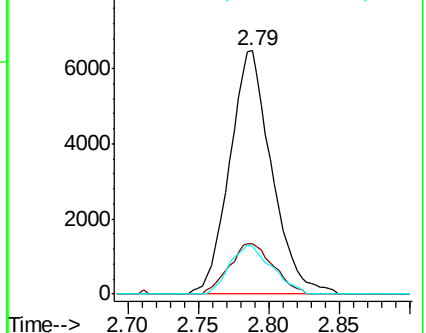
57 20.1 18.5 27.7

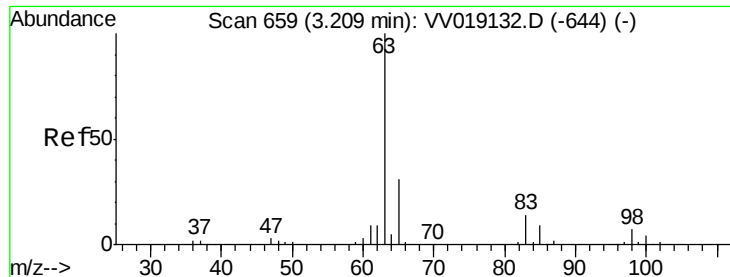


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

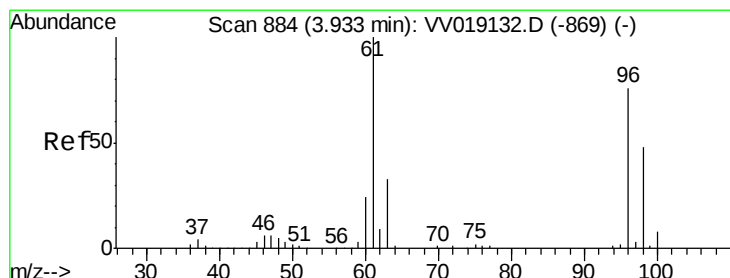
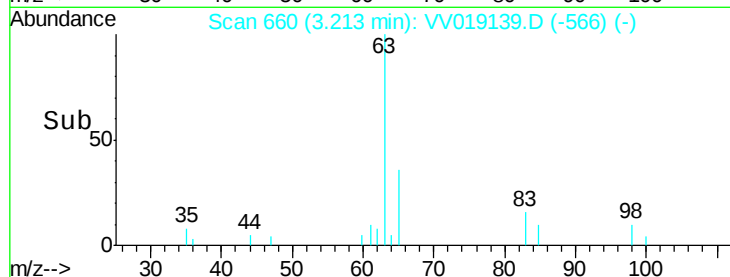
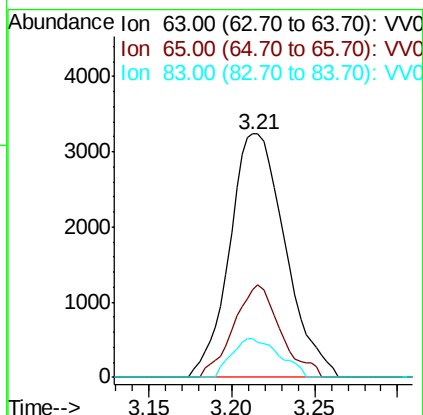
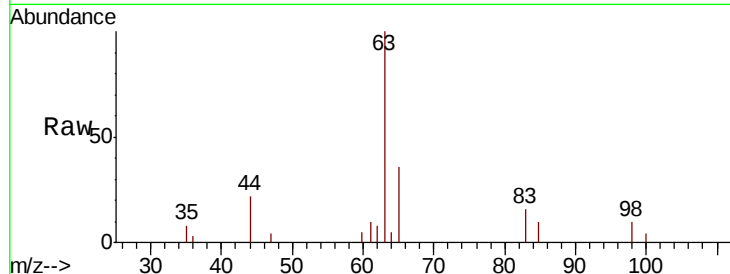




#19
 1,1-Dichloroethane
 Concen: 2.348 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

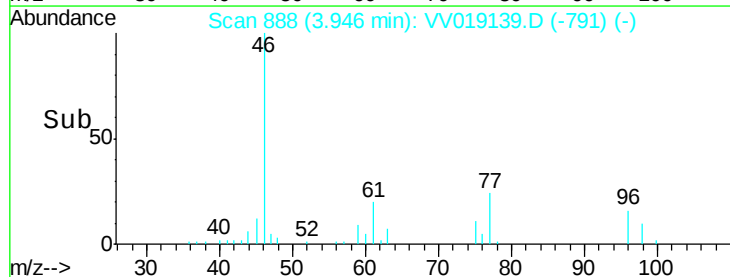
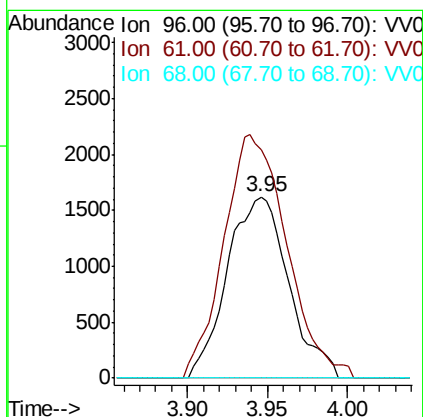
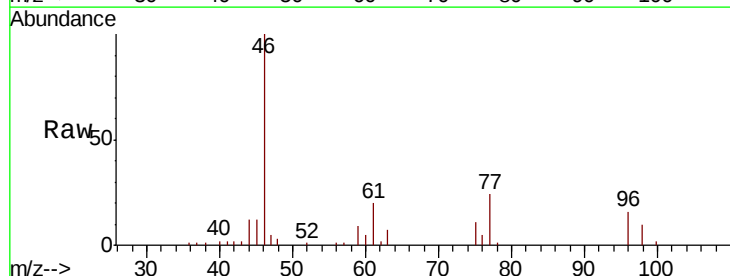
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

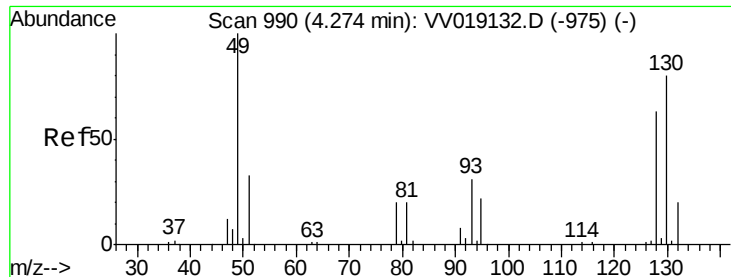
Tot Ion: 63 Resp: 7558
 Ion Ratio Lower Upper
 63 100
 65 36.1 22.7 42.1
 83 15.8 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 2.503 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion: 96 Resp: 4267
 Ion Ratio Lower Upper
 96 100
 61 126.1 99.4 184.6
 68 0.0 0.0 0.0

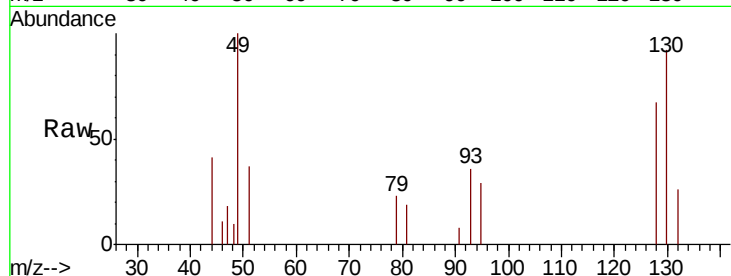




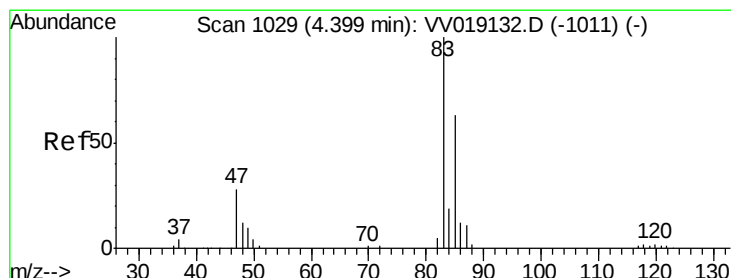
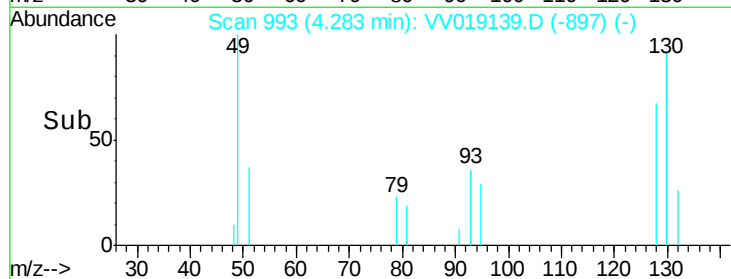
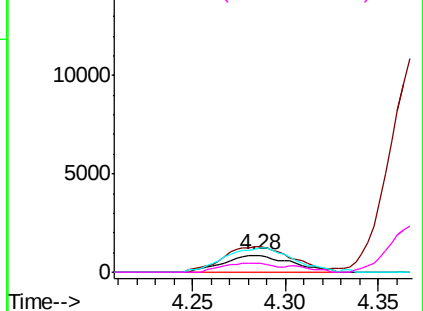
#23
Bromochloromethane
Concen: 2.553 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:128 Resp: 2215
Ion Ratio Lower Upper
128 100
49 149.4 137.1 254.5
130 138.0 92.0 170.9
51 55.3 49.0 73.4

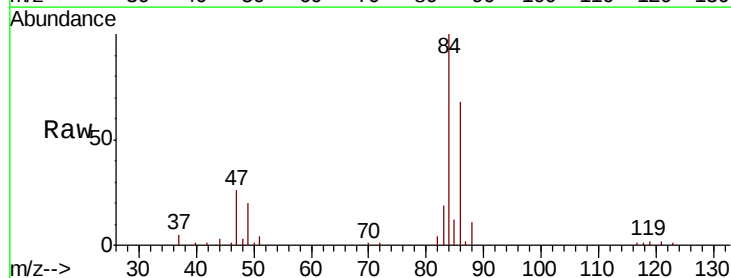


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

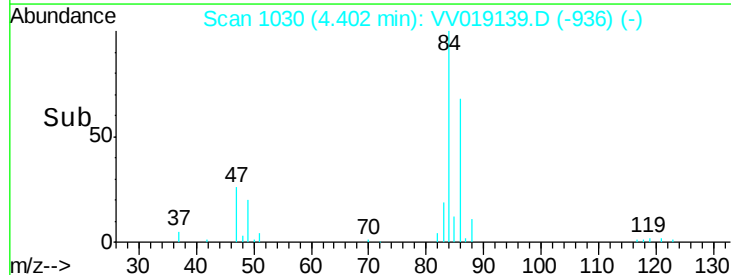
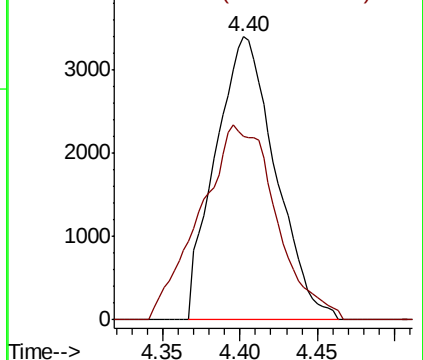


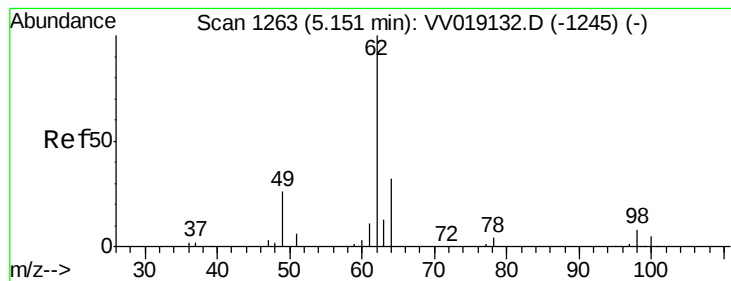
#25
Chloroform
Concen: 2.890 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 83 Resp: 9164
Ion Ratio Lower Upper
83 100
85 65.0 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.850 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

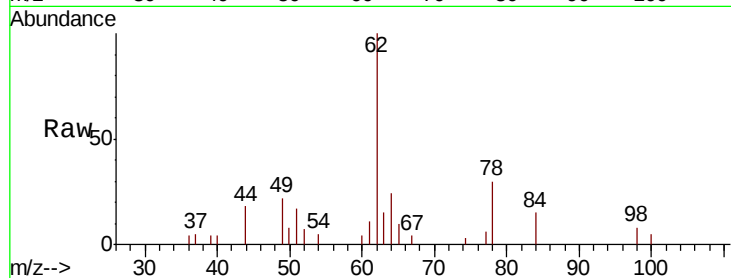
MDL04

Tot Ion: 62 Resp: 7499

Ion Ratio Lower Upper

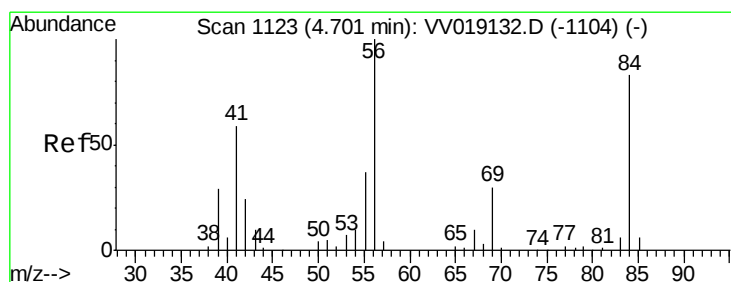
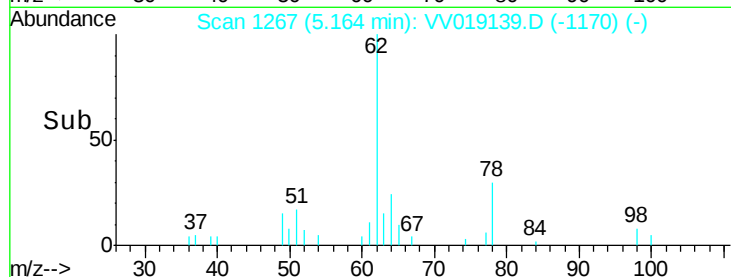
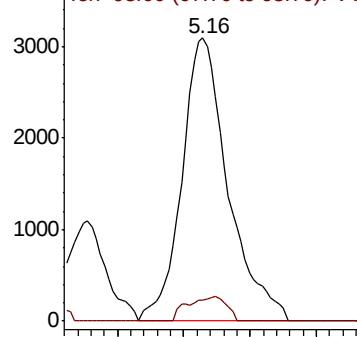
62 100

98 7.6 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 1.859 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

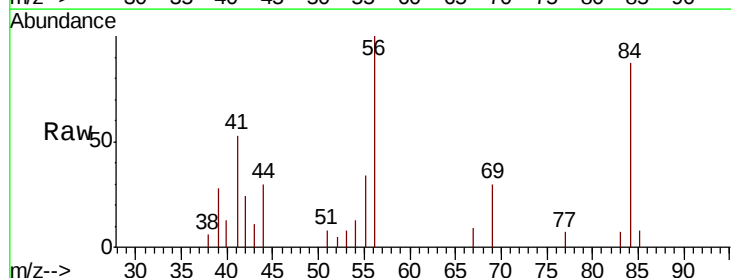
Tgt Ion: 56 Resp: 4892

Ion Ratio Lower Upper

56 100

69 20.8 22.7 34.1#

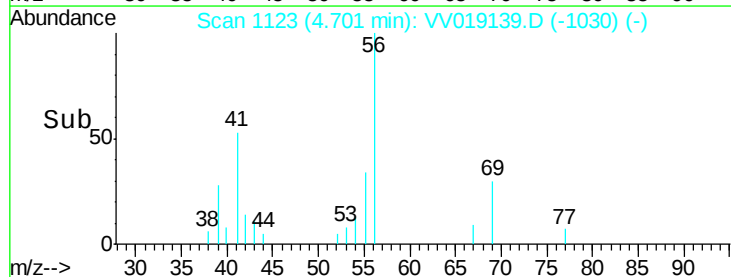
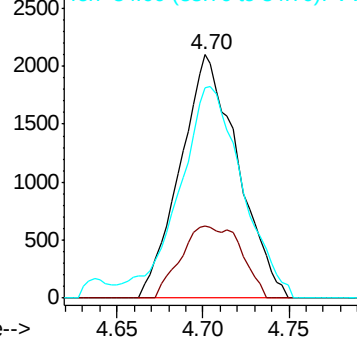
84 92.2 63.5 95.3

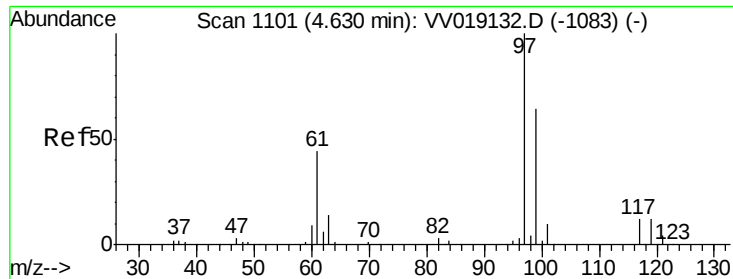


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

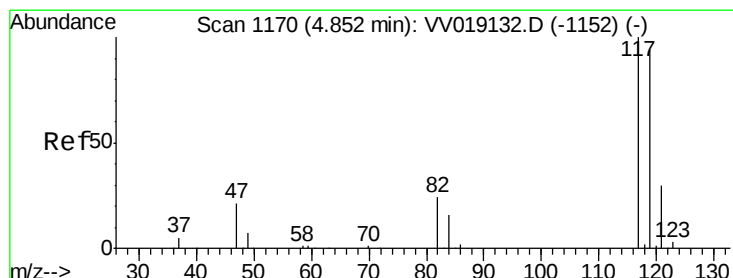
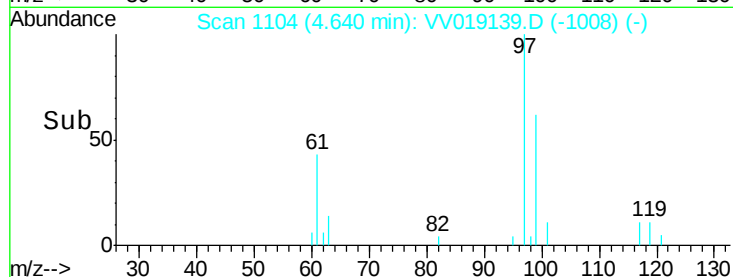
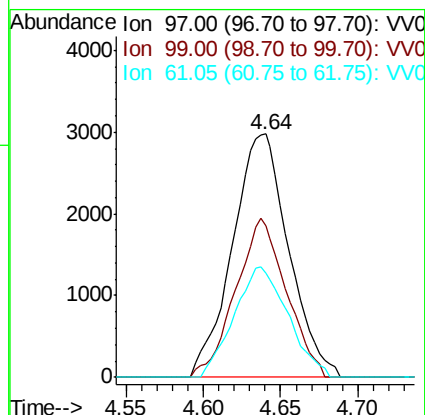
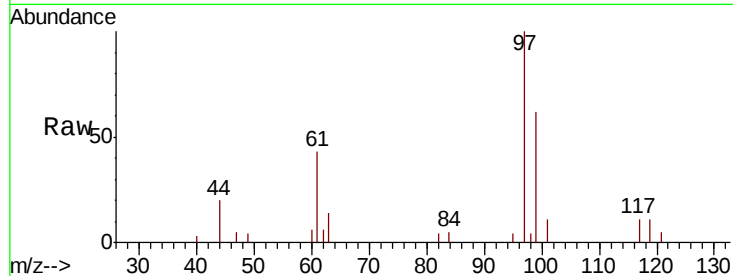




#30
 1,1,1-Trichloroethane
 Concen: 2.748 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

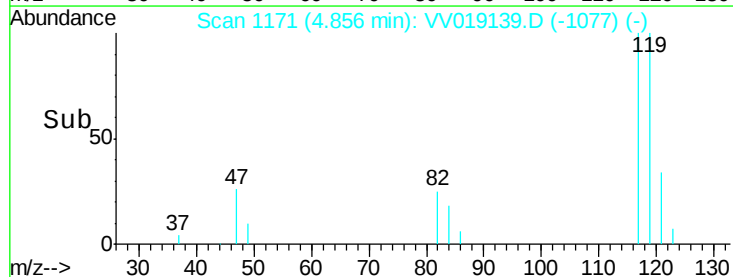
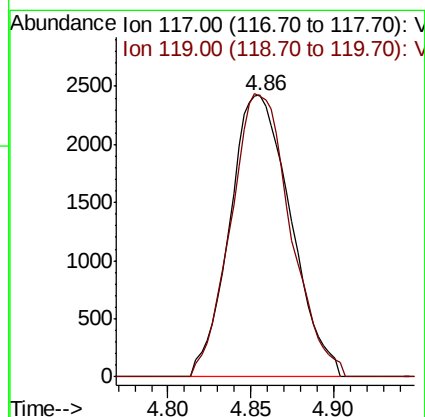
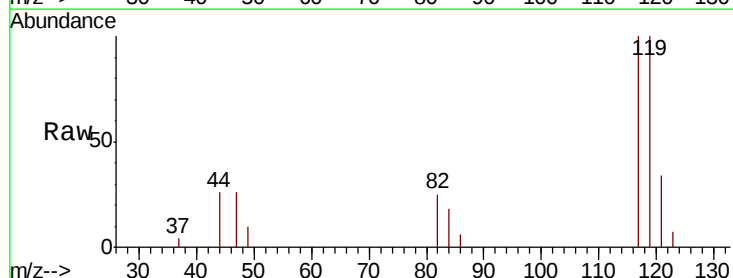
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

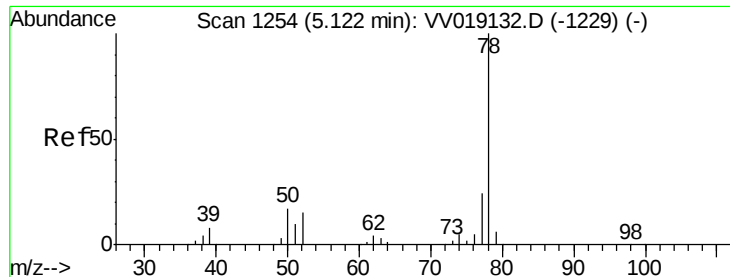
Tot Ion: 97 Resp: 7524
 Ion Ratio Lower Upper
 97 100
 99 58.9 50.5 75.7
 61 43.5 38.1 57.1



#31
 Carbon tetrachloride
 Concen: 2.594 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion: 117 Resp: 6191
 Ion Ratio Lower Upper
 117 100
 119 98.5 77.2 115.8





#33

Benzene

Concen: 2.326 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

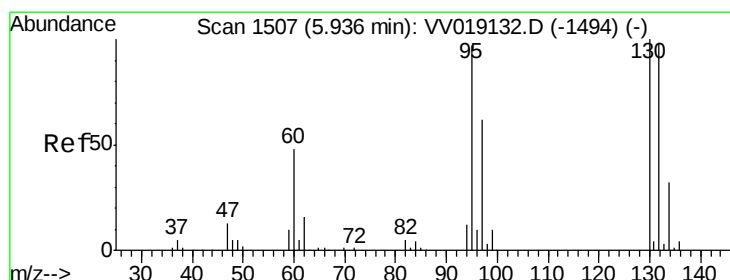
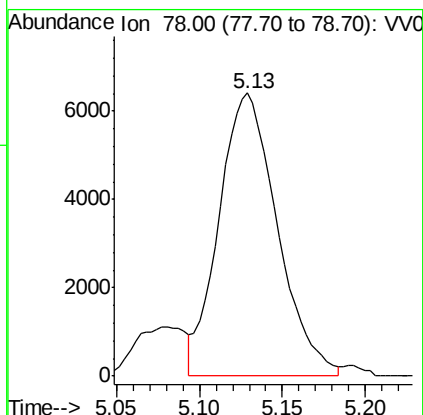
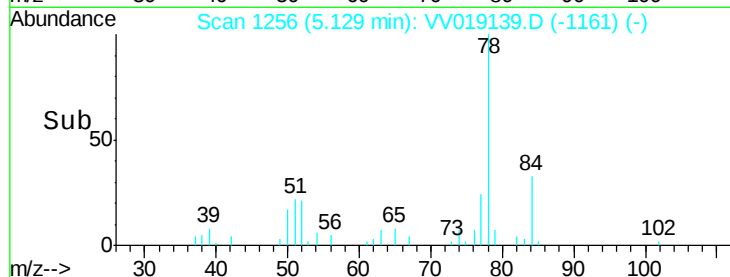
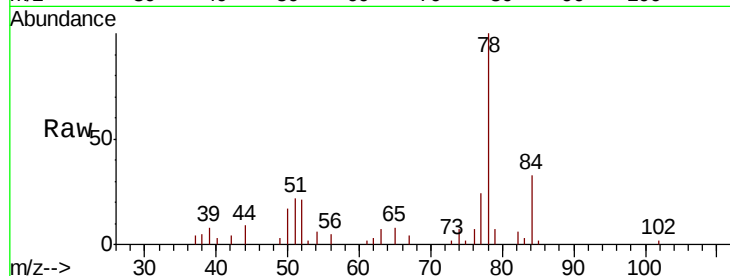
Instrument :

MSVOA_V

ClientSampled :

MDL04

Tgt Ion: 78 Resp: 15659



#34

Trichloroethene

Concen: 2.499 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion: 95 Resp: 4251

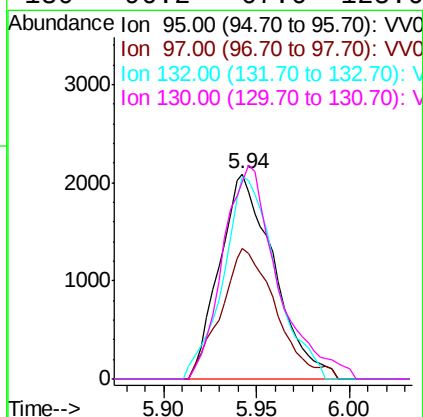
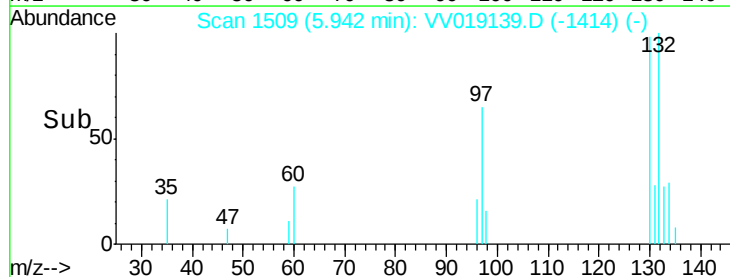
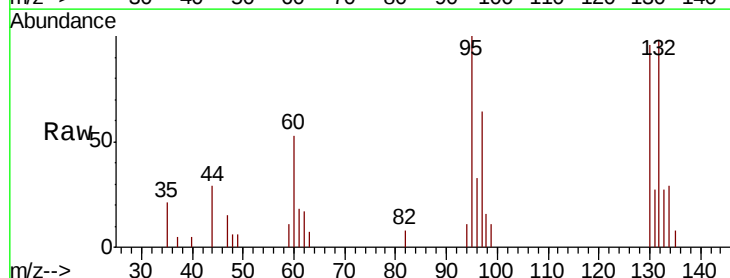
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.6	82.8
132	98.3	66.0	122.6
130	96.2	67.6	125.6

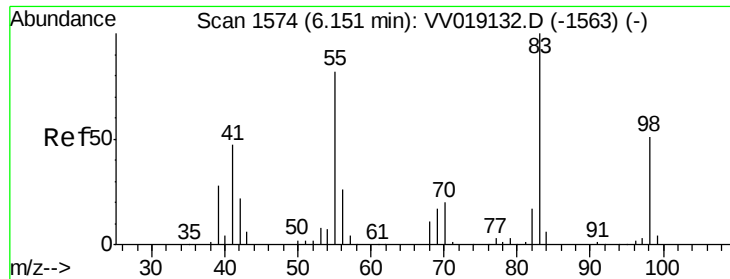
Ion 95.00 (94.70 to 95.70): VV0

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

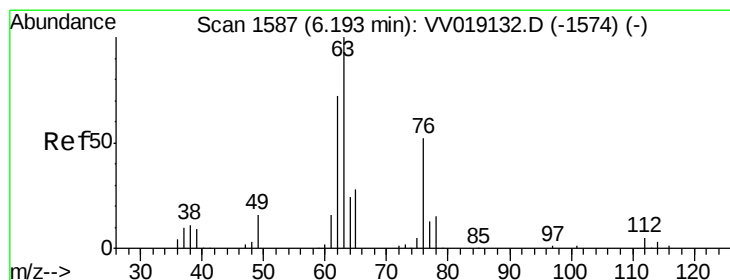
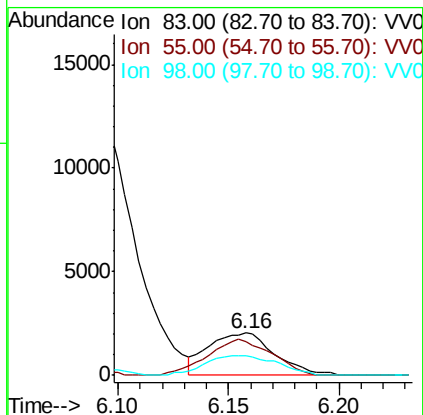
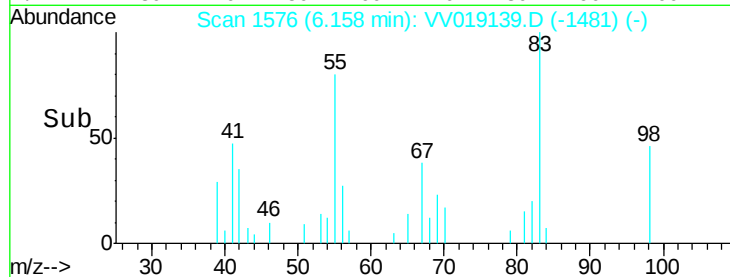
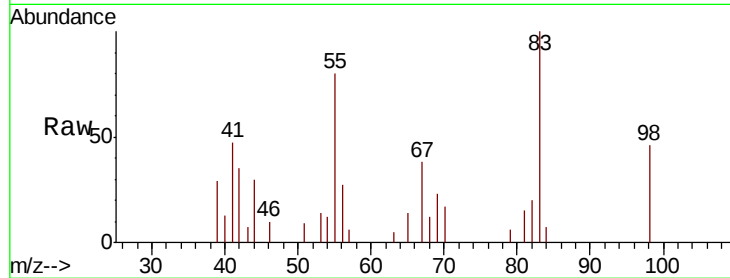




#35
Methvlcvclohexane
Concen: 1.827 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

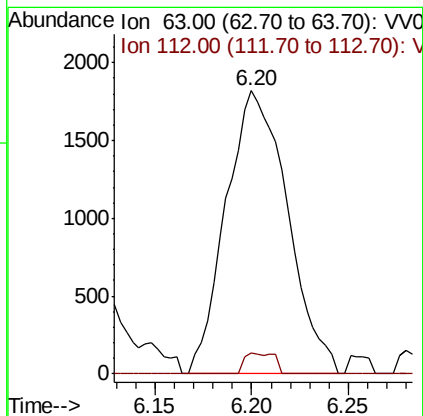
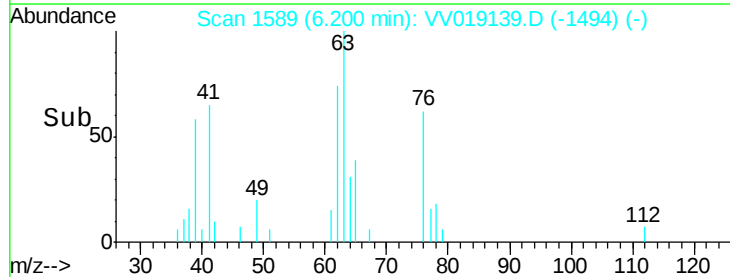
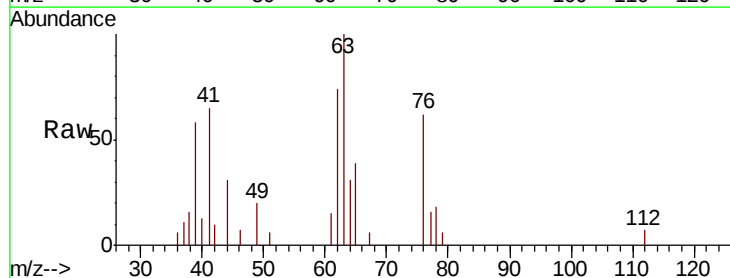
Instrument :
MSVOA_V
ClientSampleId :
MDL04

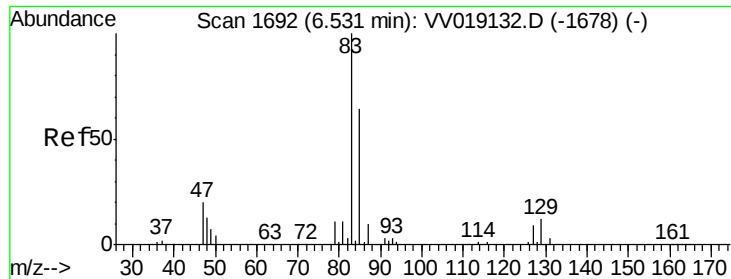
Tot Ion: 83 Resp: 4251
Ion Ratio Lower Upper
83 100
55 82.3 68.1 102.1
98 50.5 37.9 56.9



#37
1,2-Dichloropropane
Concen: 2.177 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 63 Resp: 4034
Ion Ratio Lower Upper
63 100
112 2.3 3.5 5.3#





#38

Bromodichloromethane

Concen: 2.480 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

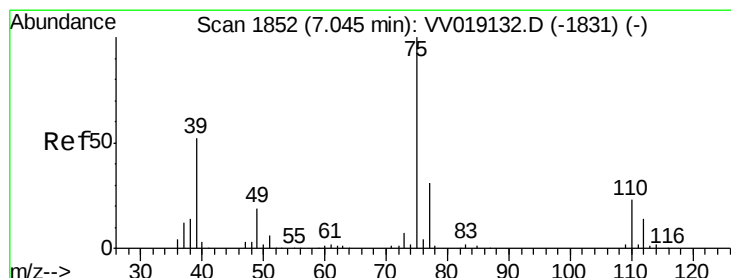
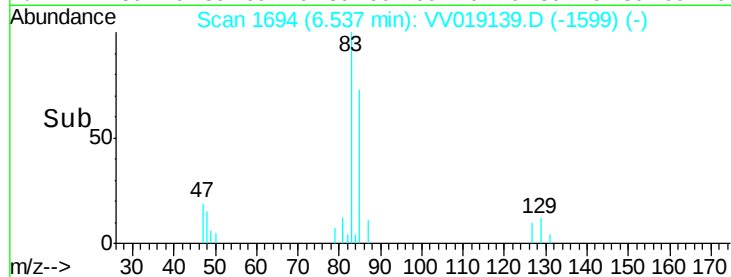
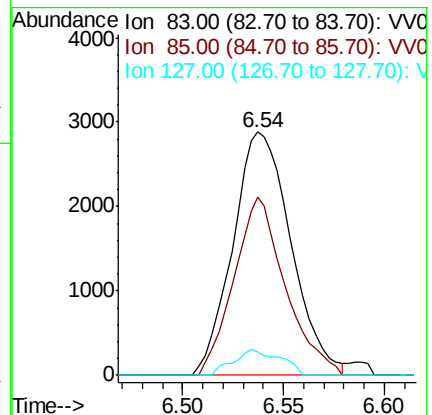
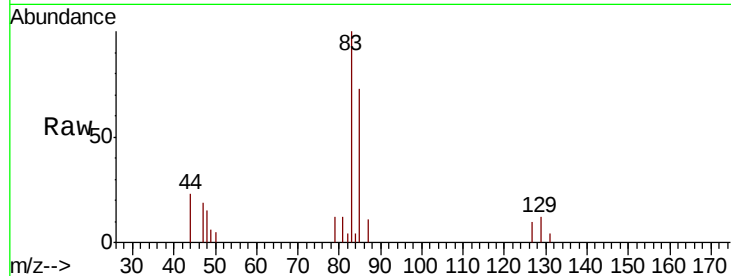
Tot Ion: 83 Resp: 5814

Ion Ratio Lower Upper

83 100

85 73.4 44.9 83.3

127 9.6 7.0 10.4



#39

cis-1,3-Dichloropropene

Concen: 2.447 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019139.D

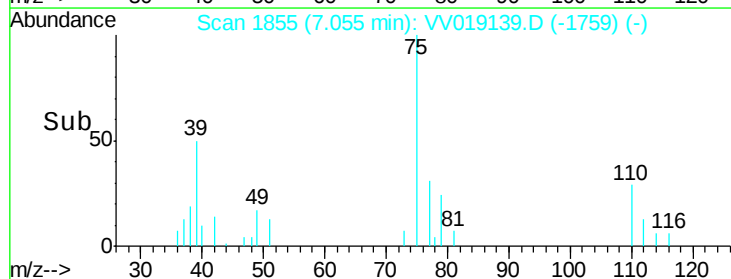
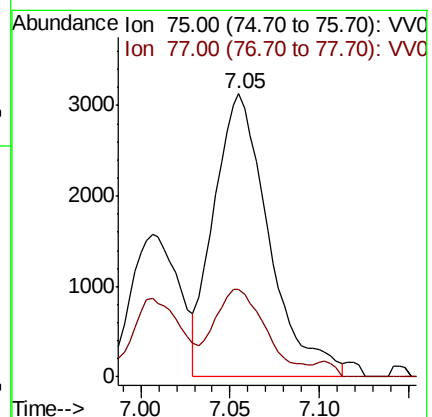
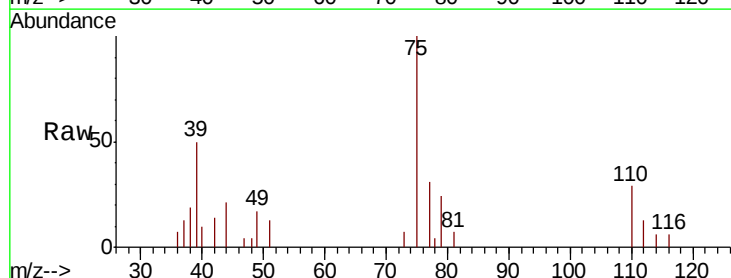
Acq: 28 Oct 2020 17:10

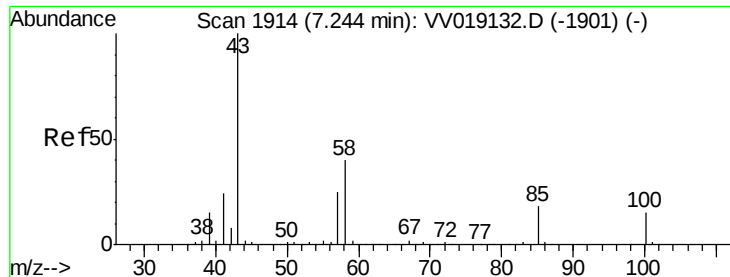
Tgt Ion: 75 Resp: 6702

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1

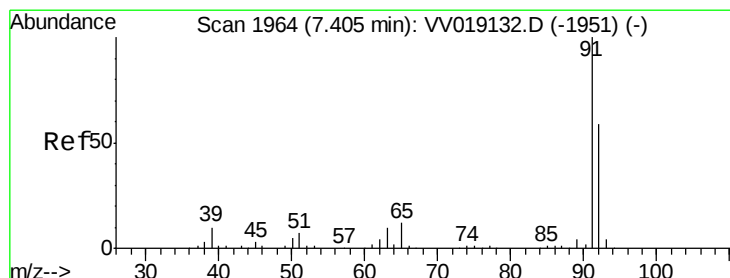
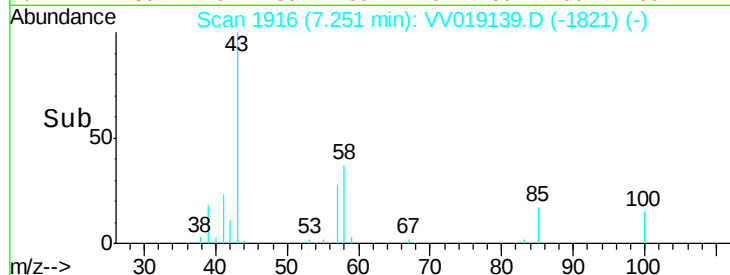
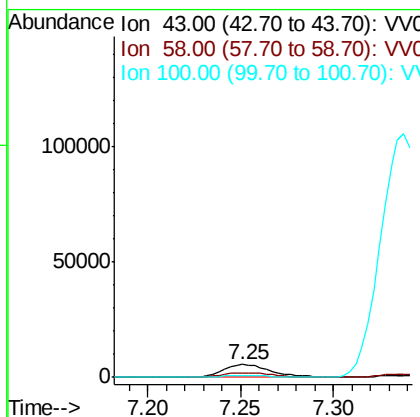
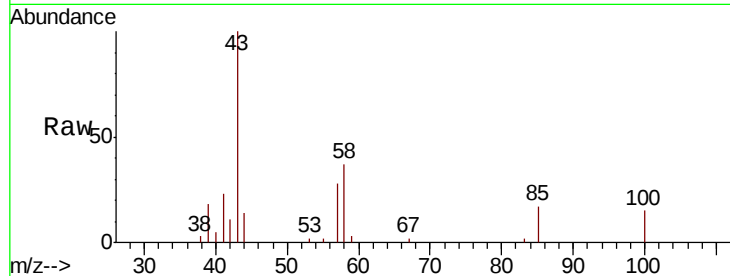




#40
4-Methyl-2-pentanone
Concen: 4.016 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

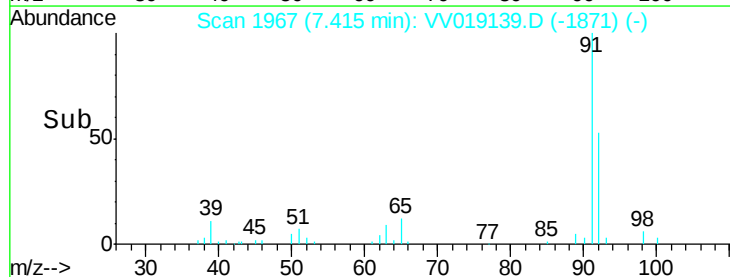
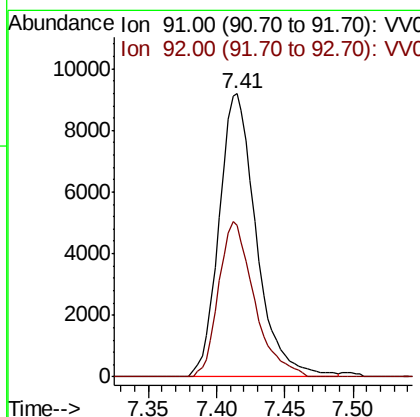
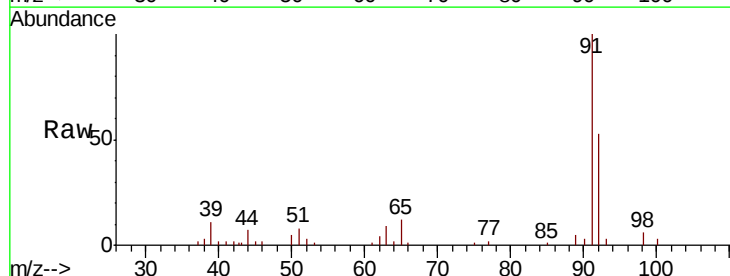
Instrument :
MSVOA_V
ClientSampleId :
MDL04

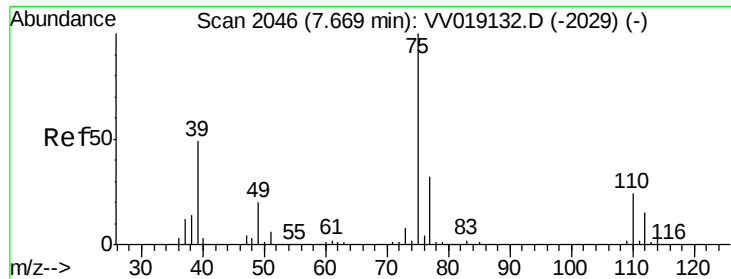
Tot Ion: 43 Resp: 10040
Ion Ratio Lower Upper
43 100
58 39.3 29.6 44.4
100 16.0 10.9 16.3



#42
Toluene
Concen: 2.524 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 91 Resp: 17436
Ion Ratio Lower Upper
91 100
92 53.4 40.9 76.0





#44

trans-1,3-Dichloropropene

Concen: 2.341 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

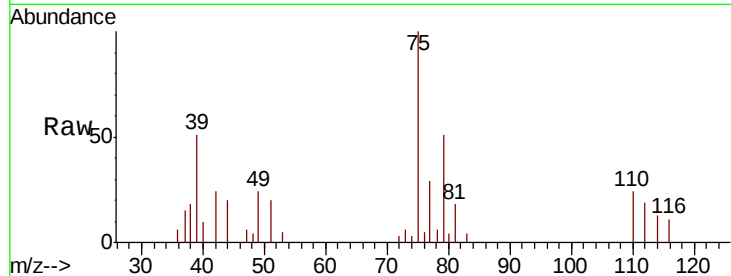
MDL04

Tot Ion: 75 Resp: 6361

Ion Ratio Lower Upper

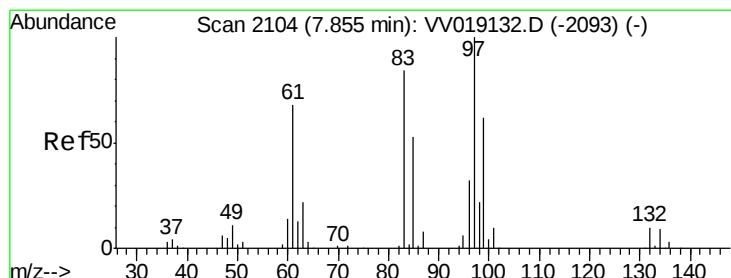
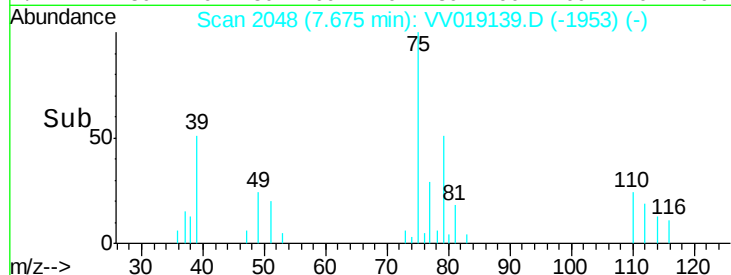
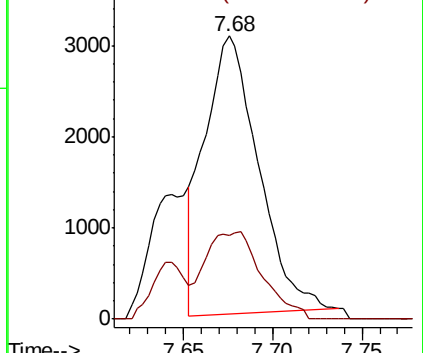
75 100

77 29.4 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: 2.466 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion: 97 Resp: 4036

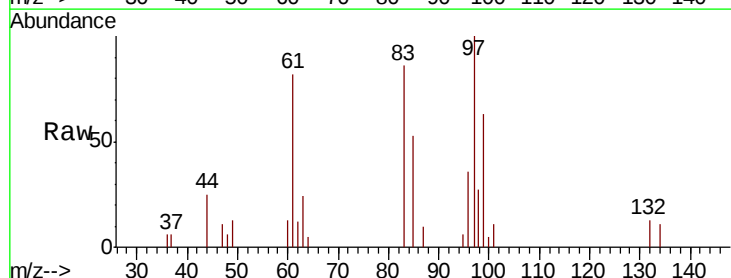
Ion Ratio Lower Upper

97 100

99 63.5 43.5 80.9

83 86.5 62.2 115.4

85 52.8 39.9 74.1

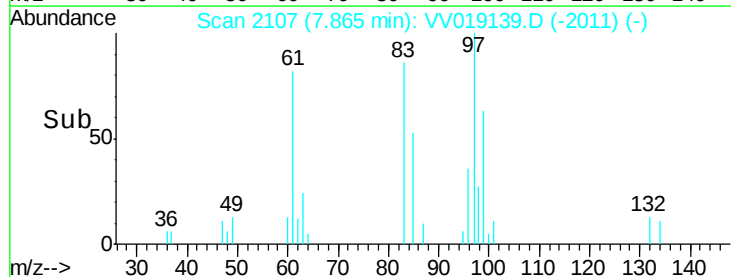
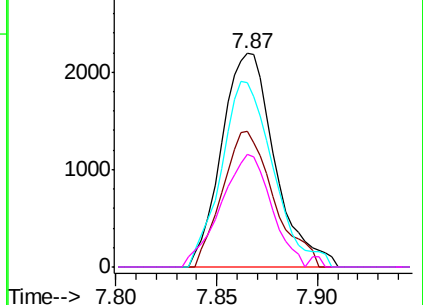


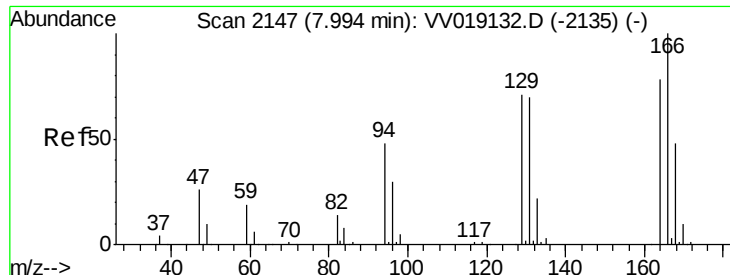
Abundance Ion 97.00 (96.70 to 97.70): VV019132.D (-2093) (-)

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: 2.720 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:164 Resp: 3550

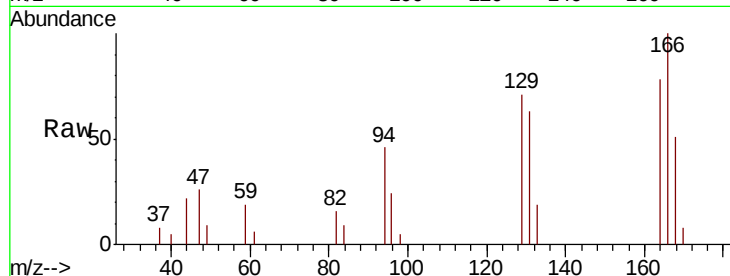
Ion Ratio Lower Upper

164 100

129 90.8 65.5 121.6

131 80.8 62.4 115.8

166 128.5 90.0 167.2

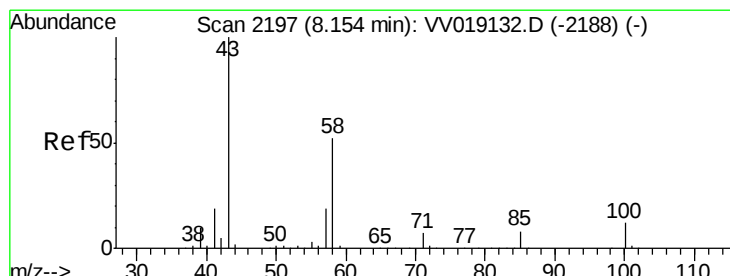
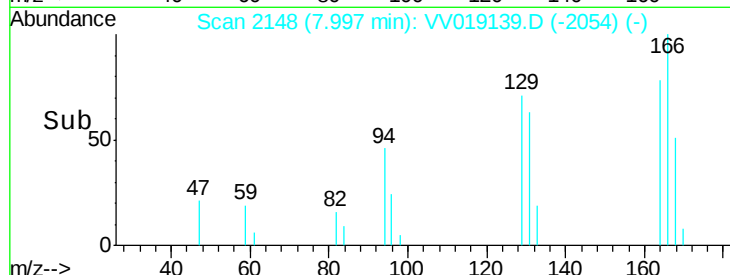
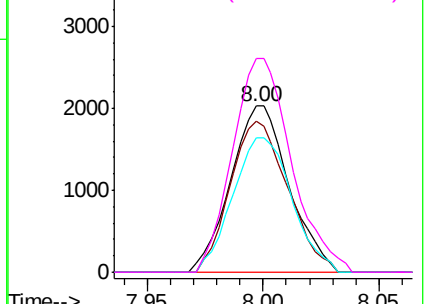


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.567 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion: 43 Resp: 8810

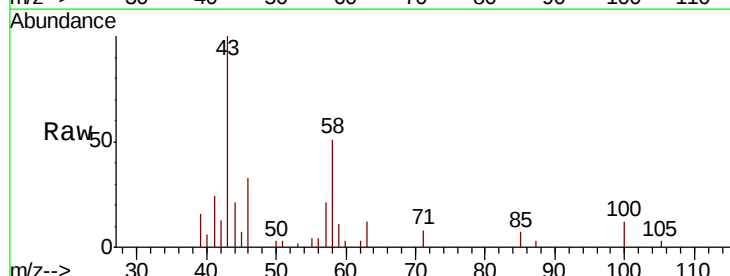
Ion Ratio Lower Upper

43 100

58 47.2 41.1 61.7

57 18.8 14.7 22.1

100 6.7 8.6 12.8#

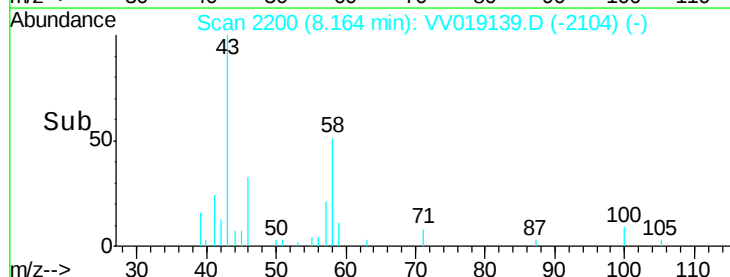
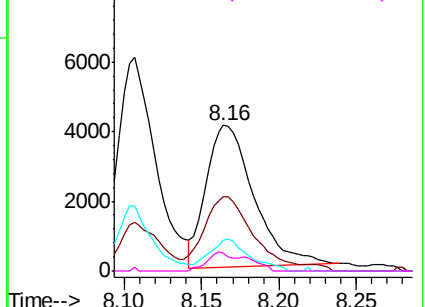


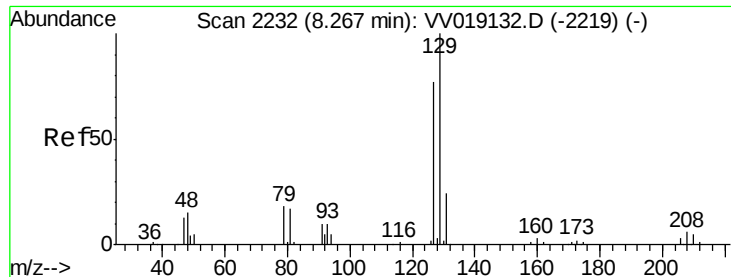
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.561 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

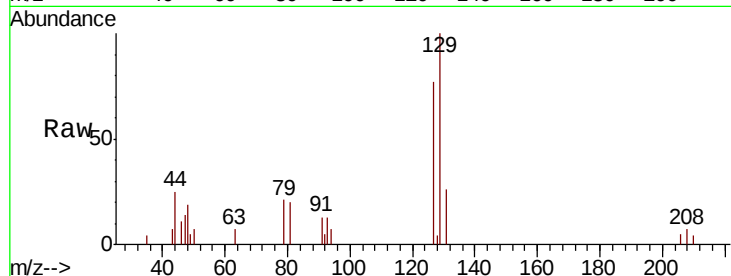
MDL04

Tot Ion:129 Resp: 4581

Ion Ratio Lower Upper

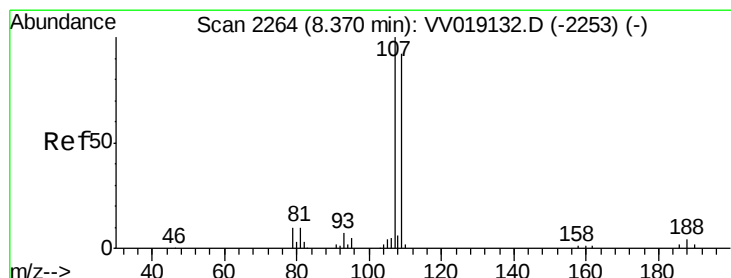
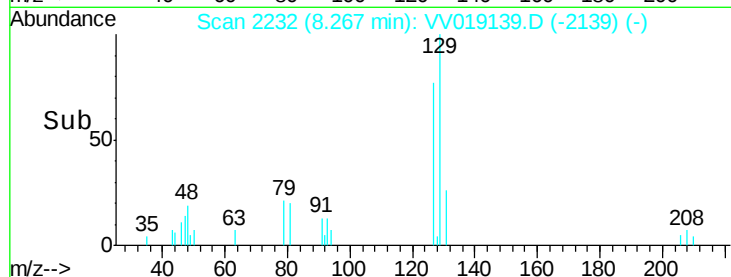
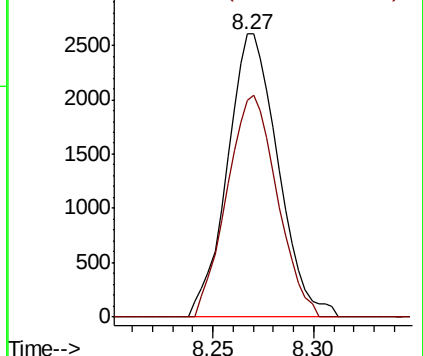
129 100

127 76.6 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.604 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

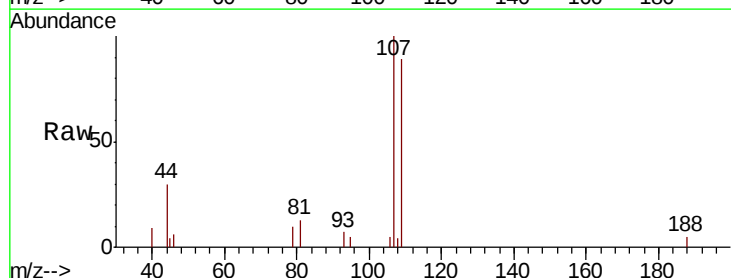
Tgt Ion:107 Resp: 4422

Ion Ratio Lower Upper

107 100

109 89.1 66.1 122.7

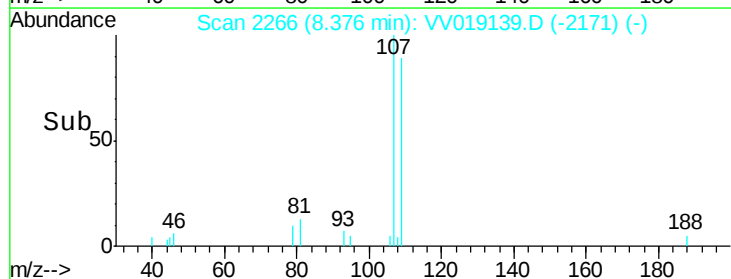
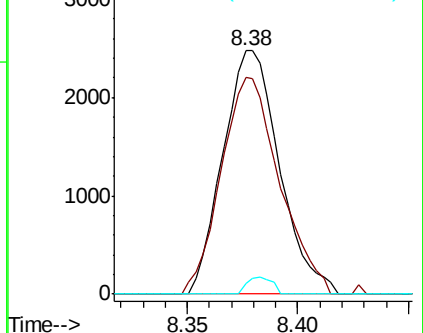
188 4.5 3.2 4.8

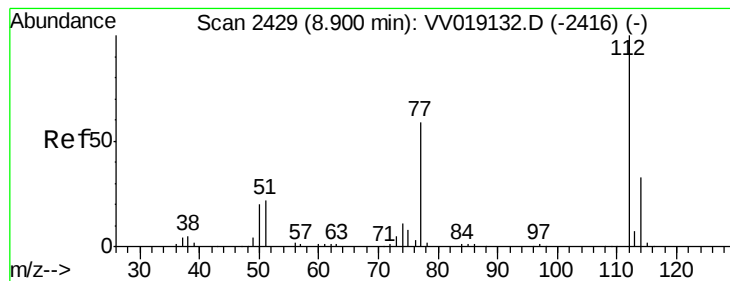


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.674 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

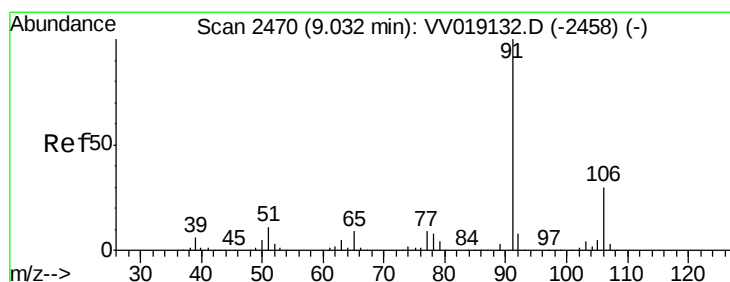
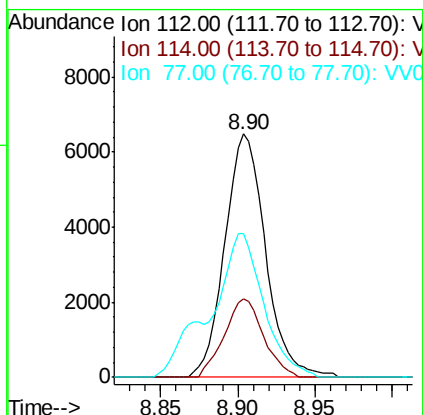
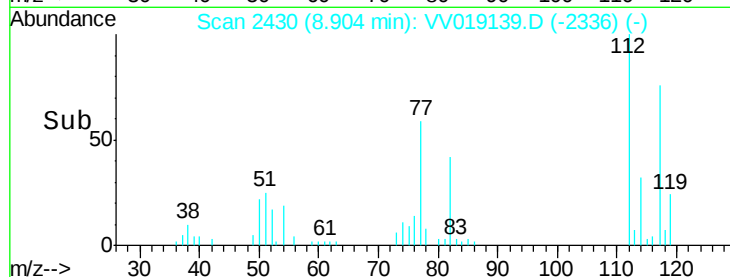
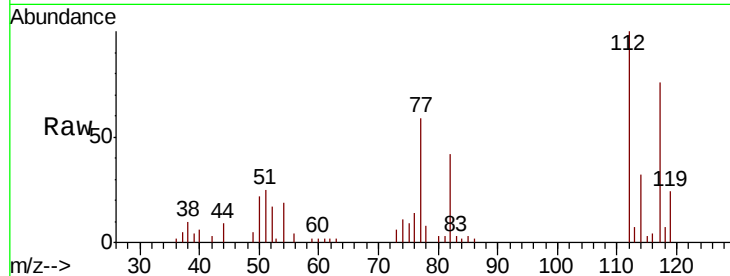
Tot Ion:112 Resp: 11850

Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 59.0 49.1 73.7



#52

Ethylbenzene

Concen: 2.338 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019139.D

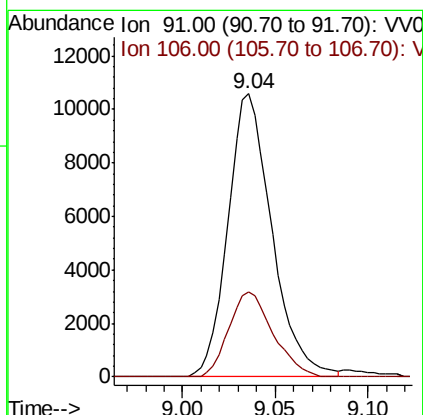
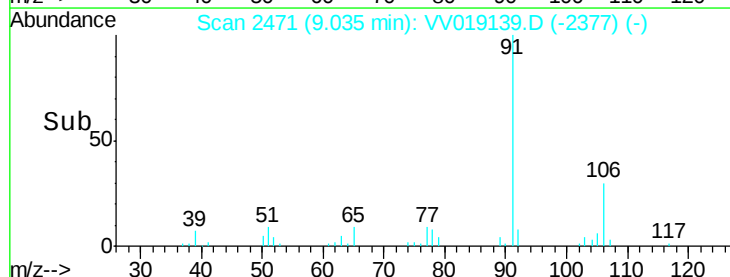
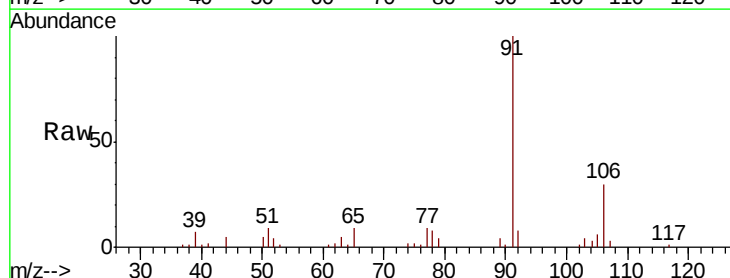
Acq: 28 Oct 2020 17:10

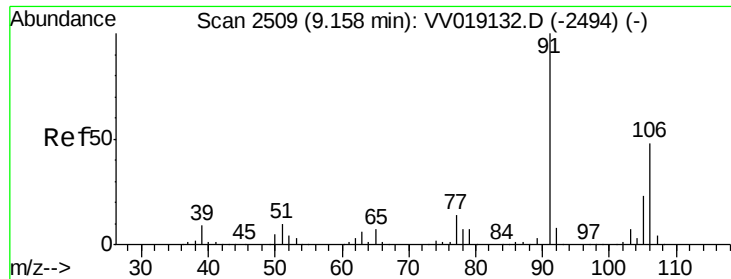
Tgt Ion: 91 Resp: 17467

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7

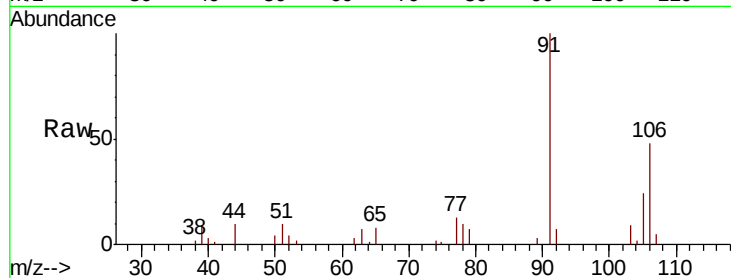




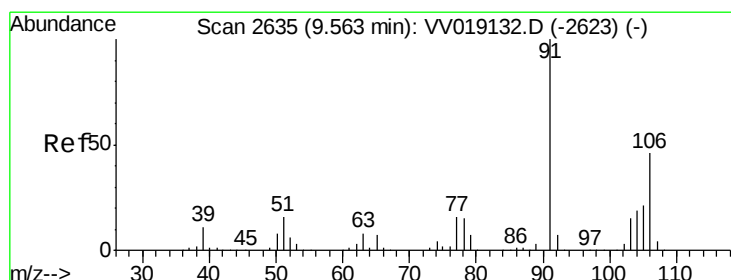
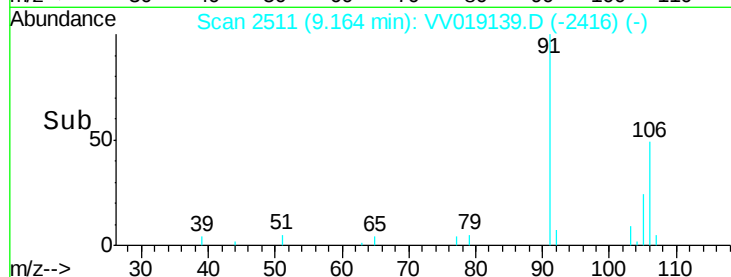
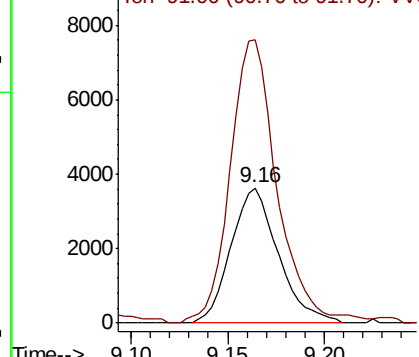
#53
m,p-Xylene
Concen: 2.258 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:106 Resp: 6175
Ion Ratio Lower Upper
106 100
91 209.8 143.4 266.2

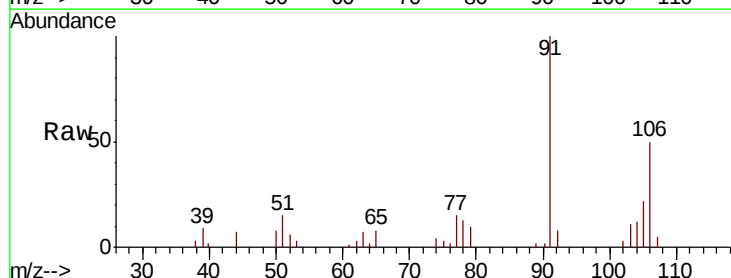


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

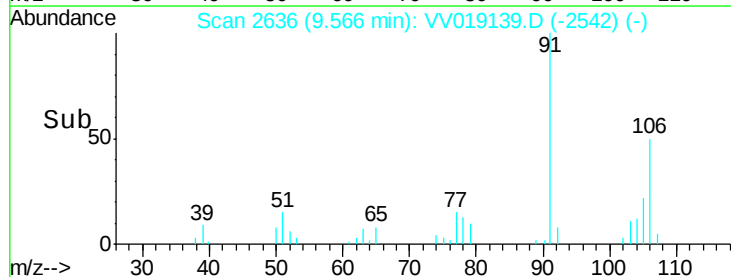
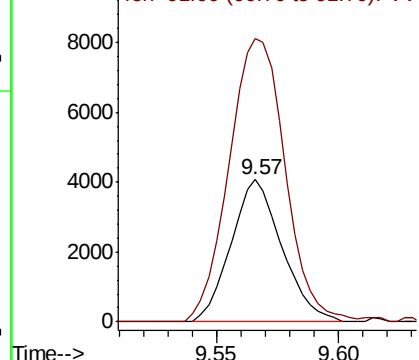


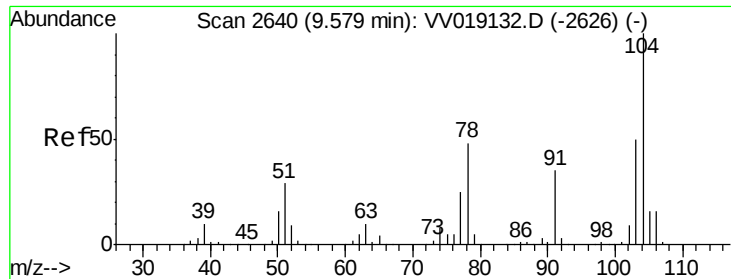
#54
o-xylene
Concen: 2.241 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion:106 Resp: 5902
Ion Ratio Lower Upper
106 100
91 198.9 154.3 286.5



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

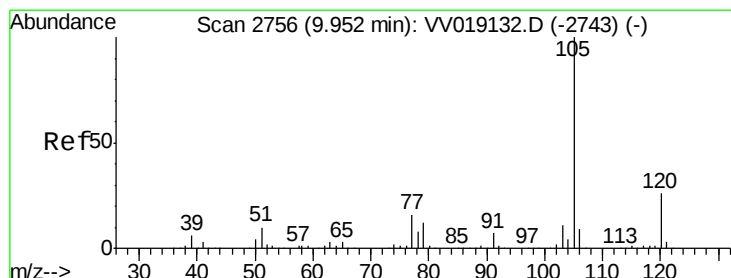
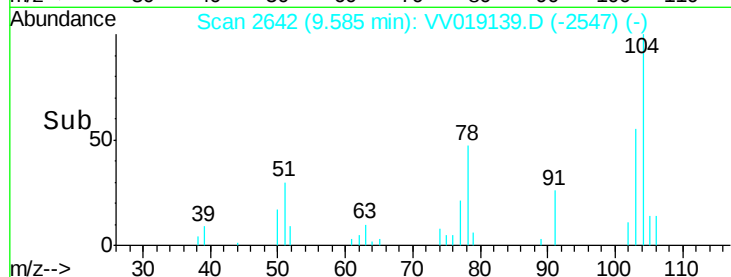
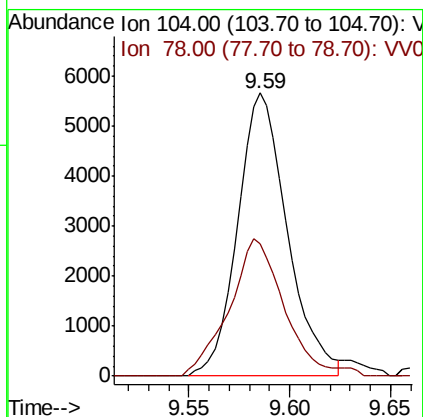
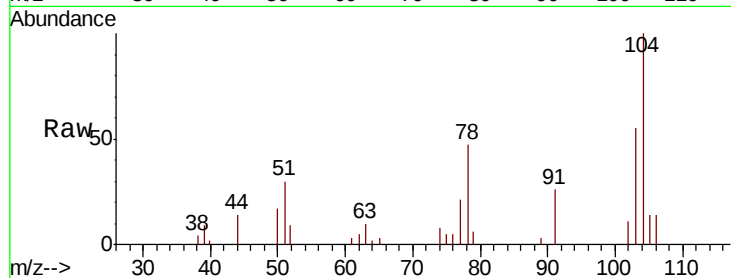




#55
Stvrene
Concen: 2.090 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

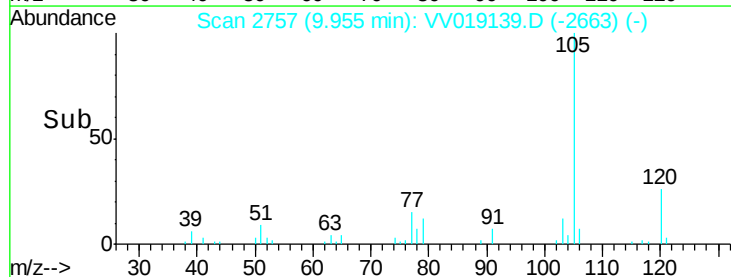
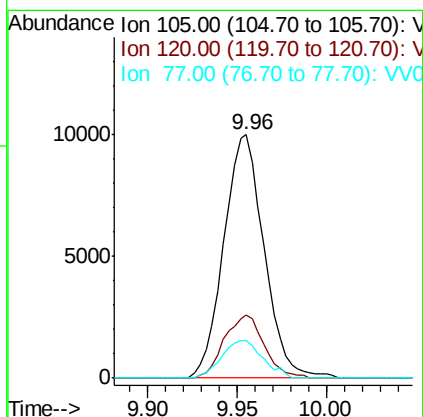
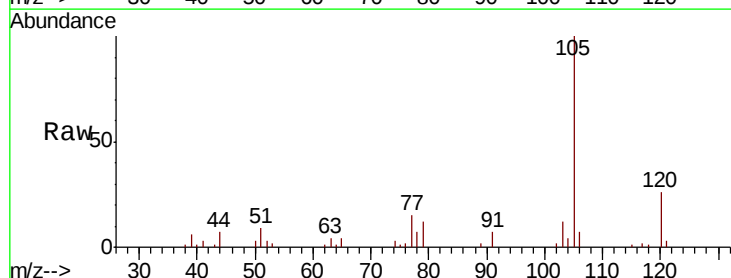
Instrument :
MSVOA_V
ClientSampleId :
MDL04

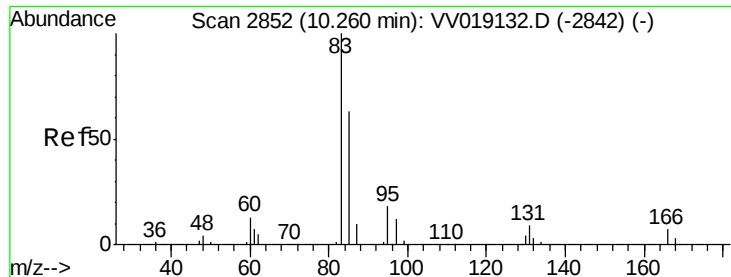
Tot Ion:104 Resp: 9765
Ion Ratio Lower Upper
104 100
78 47.0 33.2 61.7



#56
Isopropylbenzene
Concen: 2.267 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion:105 Resp: 15700
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 15.7 13.4 20.0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.279 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

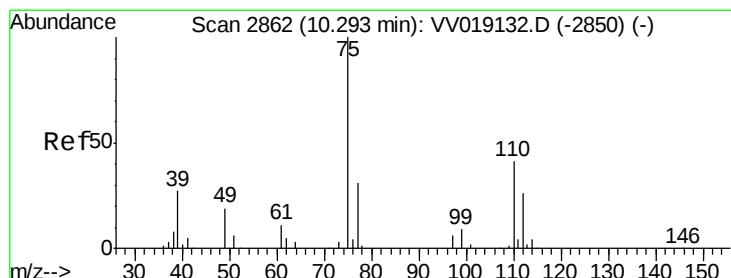
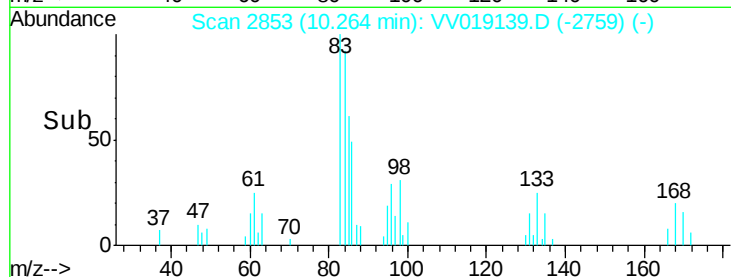
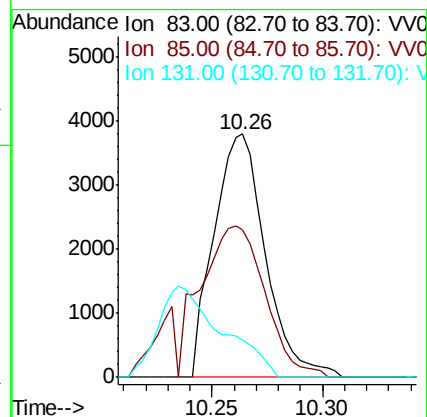
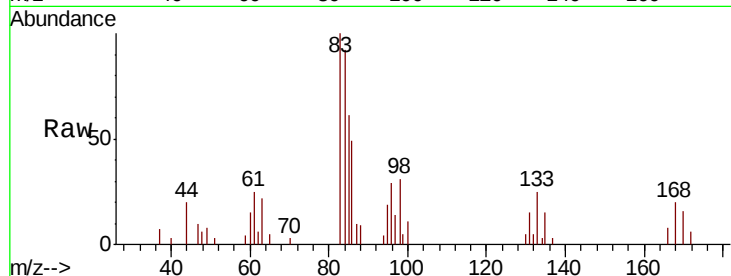
Tot Ion: 83 Resp: 6137

Ion Ratio Lower Upper

83 100

85 60.5 44.2 82.2

131 15.2 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 2.352 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019139.D

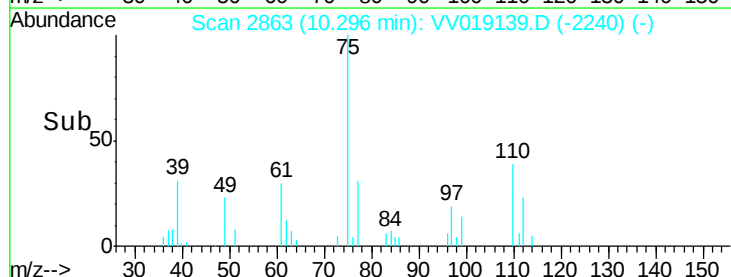
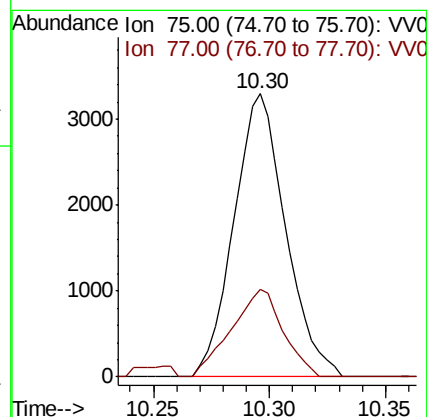
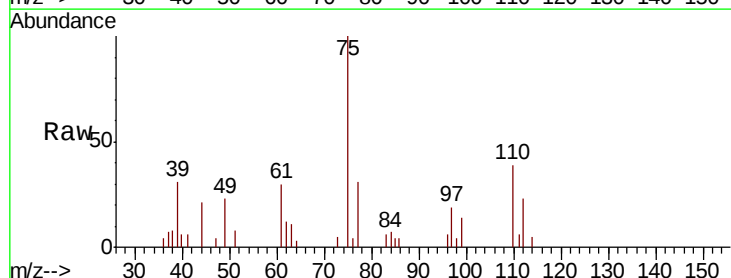
Acq: 28 Oct 2020 17:10

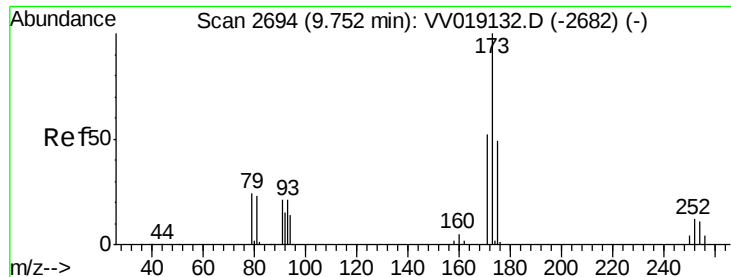
Tgt Ion: 75 Resp: 5096

Ion Ratio Lower Upper

75 100

77 31.0 25.9 38.9





#61

Bromoform

Concen: 2.718 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

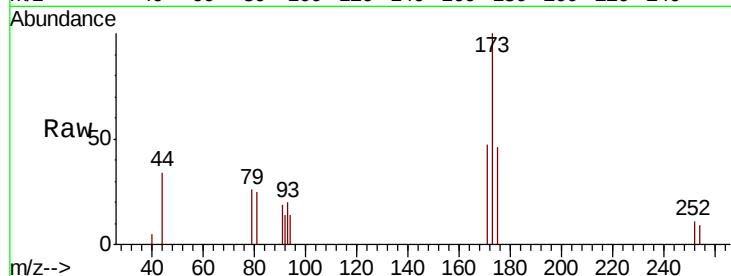
Tot Ion:173 Resp: 3497

Ion Ratio Lower Upper

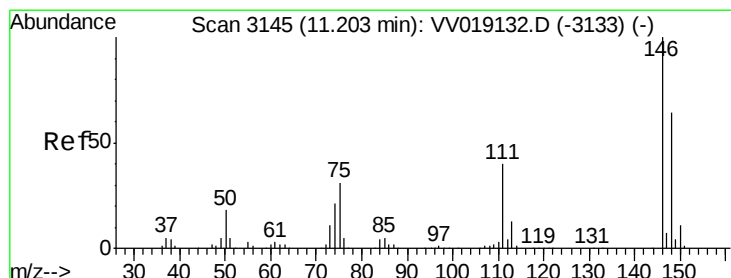
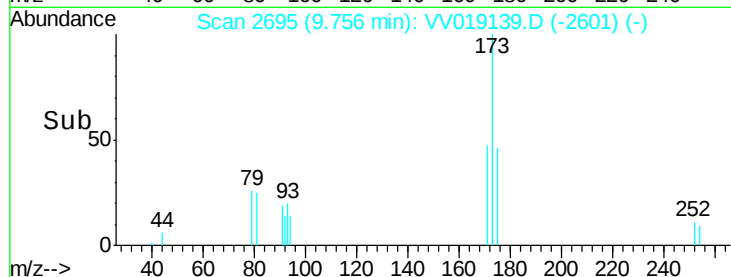
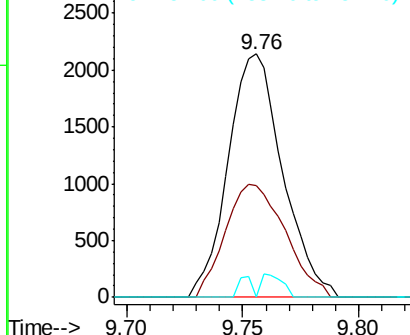
173 100

175 0.0 38.3 57.5#

254 3.8 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: 2.432 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

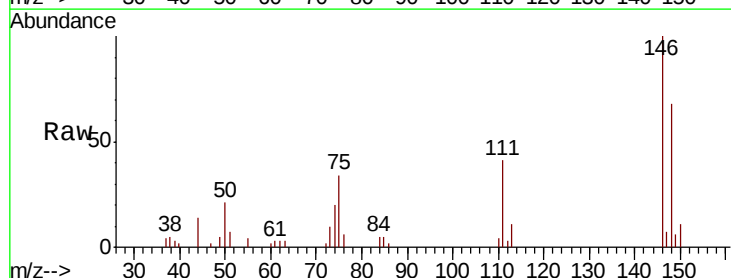
Tgt Ion:146 Resp: 8336

Ion Ratio Lower Upper

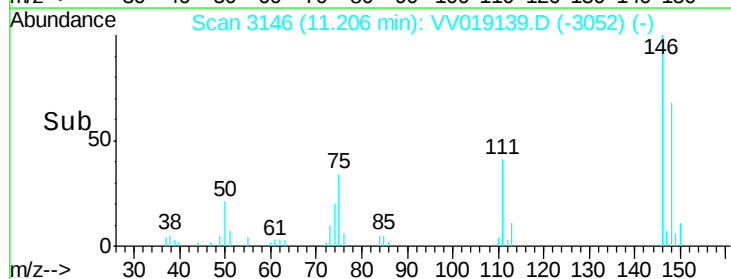
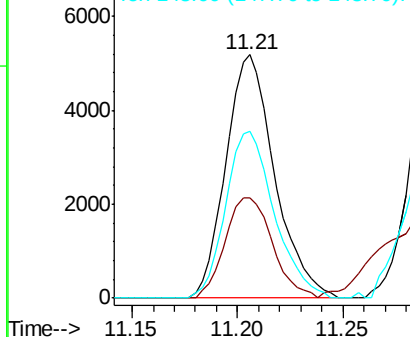
146 100

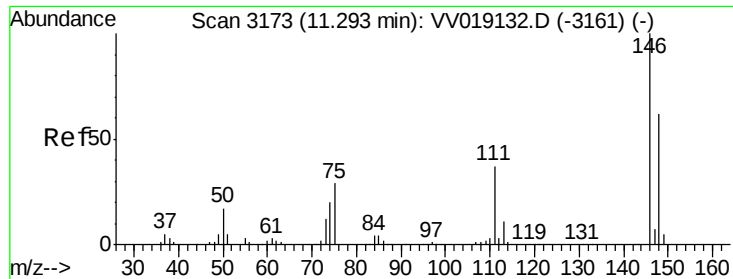
111 41.3 28.8 53.4

148 68.3 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: 2.771 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

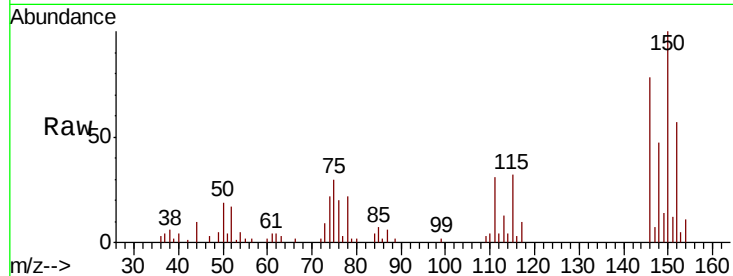
Tot Ion:146 Resp: 9926

Ion Ratio Lower Upper

146 100

111 40.1 27.8 51.6

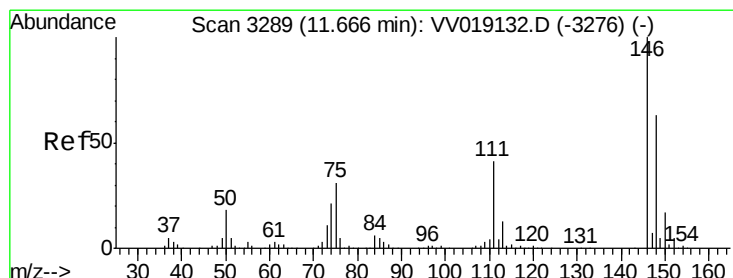
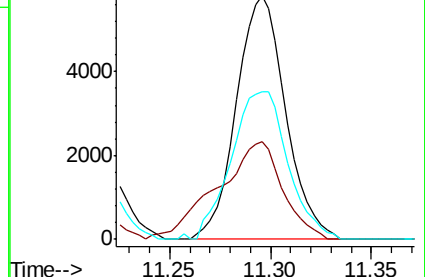
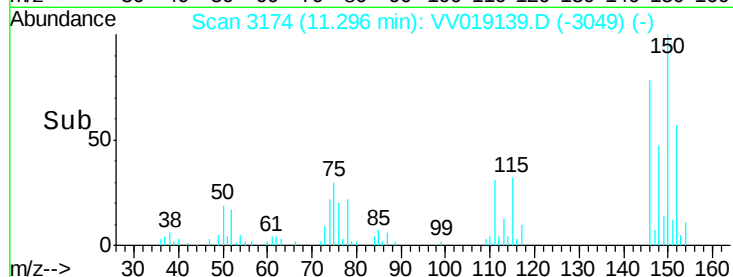
148 60.9 45.1 83.9



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: 2.783 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

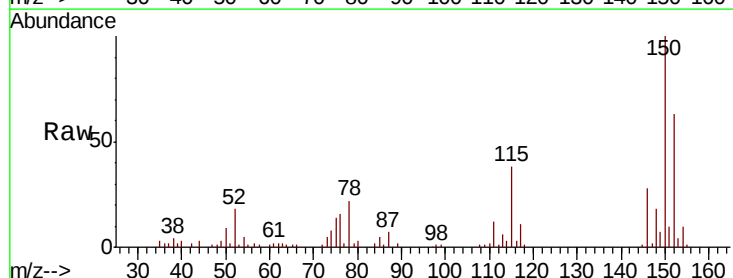
Tgt Ion:146 Resp: 9620

Ion Ratio Lower Upper

146 100

111 43.0 33.3 49.9

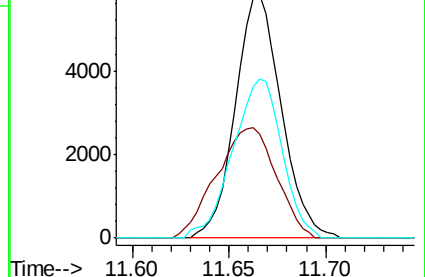
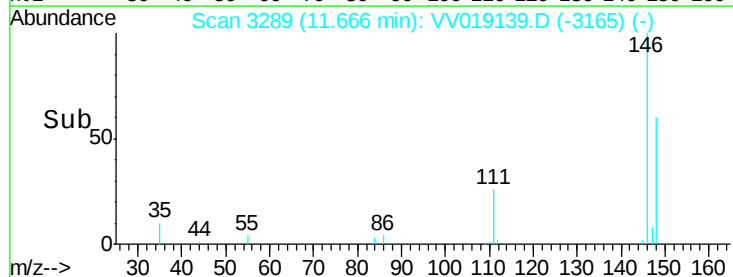
148 65.6 51.1 76.7

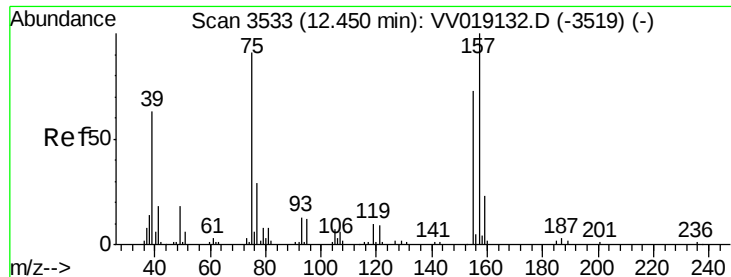


Abundance Ion 146.00 (145.70 to 146.70): V

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: 2.337 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

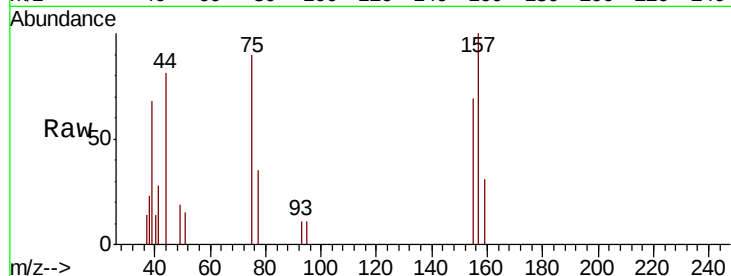
Tot Ion: 75 Resp: 1427

Ion Ratio Lower Upper

75 100

155 77.0 62.2 93.4

157 111.7 79.9 119.9

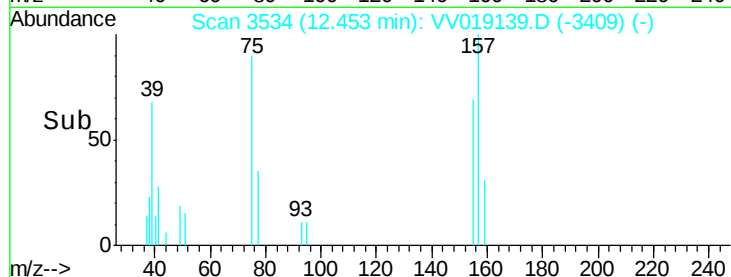


Abundance Ion 75.00 (74.70 to 75.70): VV019139.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV019139.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV019139.D (-3519) (-)

Time-->

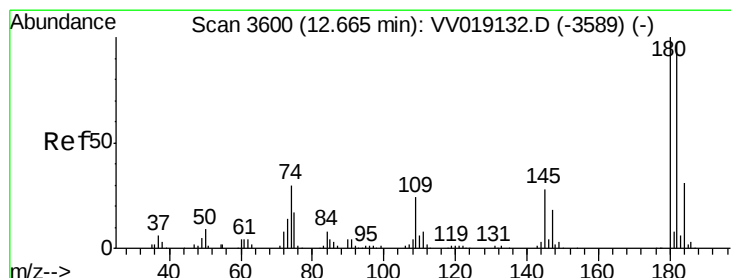


Abundance Ion 75.00 (74.70 to 75.70): VV019139.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV019139.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV019139.D (-3519) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 2.720 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion: 180 Resp: 6367

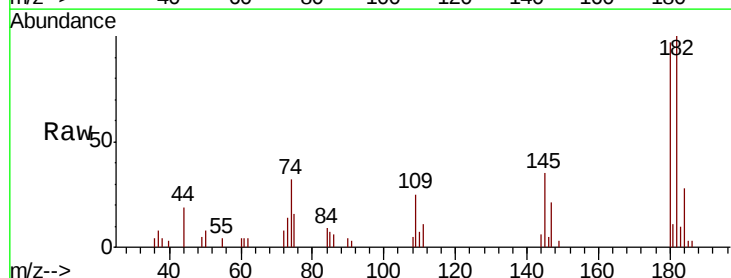
Ion Ratio Lower Upper

180 100

182 94.1 77.4 116.0

184 28.1 24.7 37.1

145 30.7 23.5 35.3



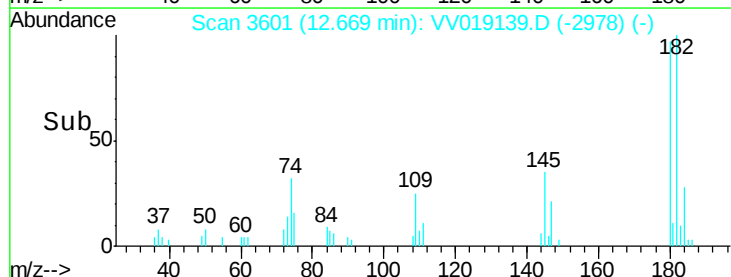
Abundance Ion 180.00 (179.70 to 180.70): VV019139.D (-2978) (-)

Ion 182.00 (181.70 to 182.70): VV019139.D (-2978) (-)

Ion 184.00 (183.70 to 184.70): VV019139.D (-2978) (-)

Ion 145.00 (144.70 to 145.70): VV019139.D (-2978) (-)

Time-->



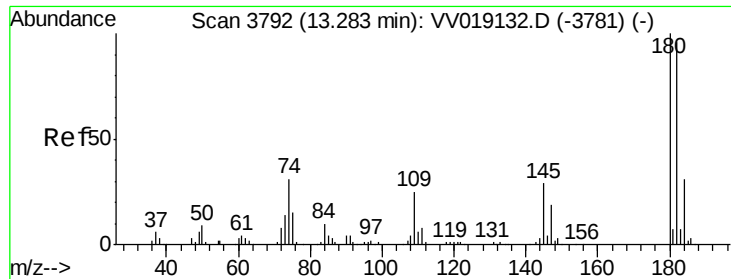
Abundance Ion 180.00 (179.70 to 180.70): VV019139.D (-2978) (-)

Ion 182.00 (181.70 to 182.70): VV019139.D (-2978) (-)

Ion 184.00 (183.70 to 184.70): VV019139.D (-2978) (-)

Ion 145.00 (144.70 to 145.70): VV019139.D (-2978) (-)

Time-->



#68

1,2,4-trichlorobenzene

Concen: 2.752 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

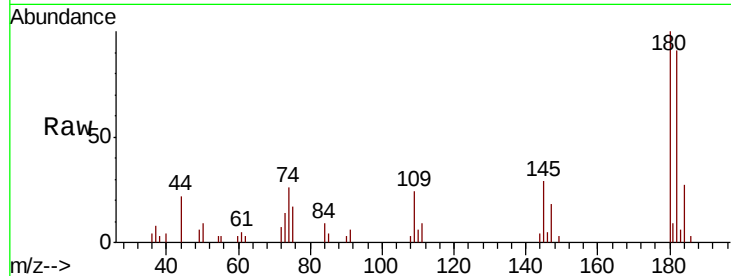
Tot Ion:180 Resp: 6075

Ion Ratio Lower Upper

180 100

182 89.9 77.4 116.2

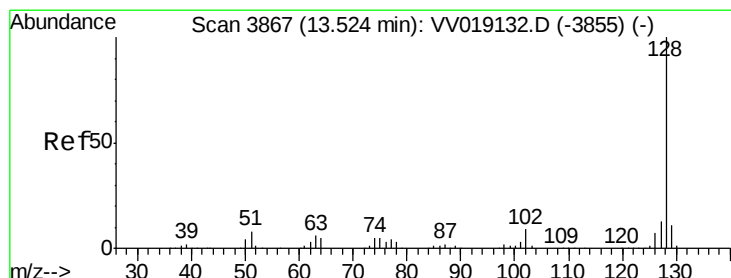
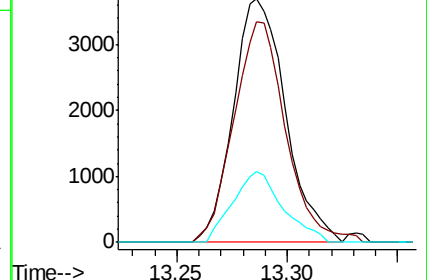
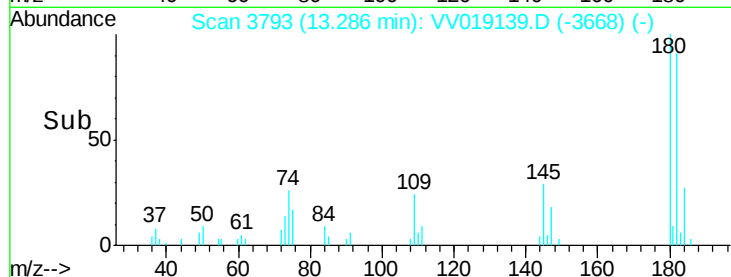
145 28.0 23.7 35.5



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: 1.816 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

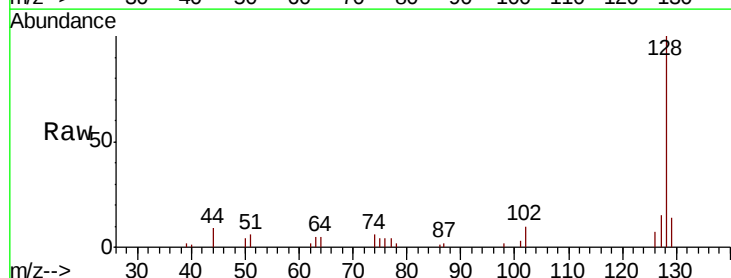
Tgt Ion:128 Resp: 12352

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

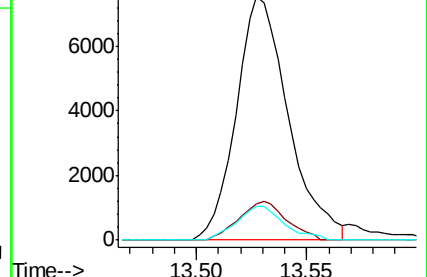
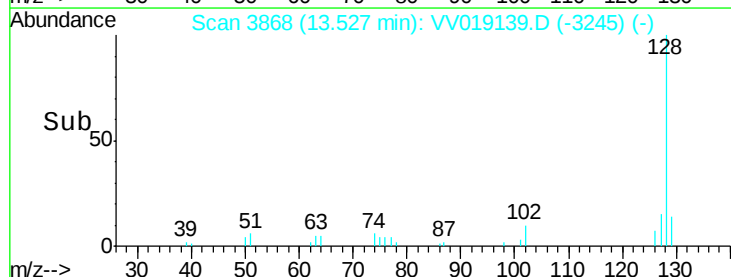
129 12.7 8.7 13.1

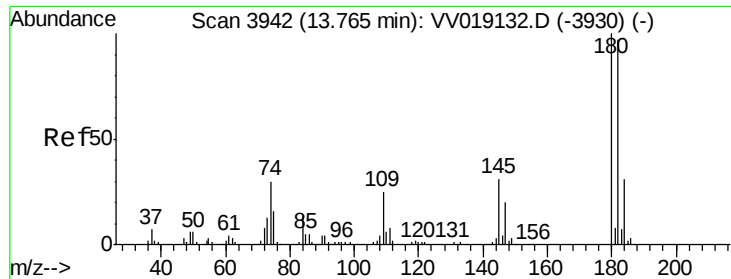


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 2.504 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	180	Resp:	5600
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.9	115.3
145	25.9	25.6	38.4

