

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019140.D
 Acq On : 28 Oct 2020 17:33
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Oct 29 03:17:26 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	220747	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	215045	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	108626	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73265	36.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.06%
7) Chloroethane-d5	1.58	69	65257	40.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.86%
11) 1,1-Dichloroethene-d2	2.12	63	123939	33.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.00%
21) 2-Butanone-d5	3.92	46	114959	85.24	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.24%
24) Chloroform-d	4.37	84	161183	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.06	65	115193	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
32) Benzene-d6	5.07	84	302119	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.09	67	90805	42.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.22%
41) Toluene-d8	7.34	98	269933	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%
43) trans-1,3-Dichloropropene-	7.64	79	48618	44.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.06%
47) 2-Hexanone-d5	8.11	63	83025	89.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.62%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	119142	42.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	114889	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3674	2.137 ug/L	100
3) Chloromethane	1.25	50	4363	2.040 ug/L	93
5) Vinyl chloride	1.32	62	4633	2.199 ug/L #	58
6) Bromomethane	1.53	94	3242	2.690 ug/L	94
8) Chloroethane	1.60	64	3085	2.335 ug/L	92
9) Trichlorofluoromethane	1.77	101	7241	2.613 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4029	2.734 ug/L	91
12) 1,1-Dichloroethene	2.13	96	4457	3.023 ug/L #	1
14) Carbon disulfide	2.31	76	10558	2.172 ug/L	97
15) Methyl Acetate	2.45	43	1797	0.935 ug/L #	74
16) Methylene chloride	2.52	84	4671	2.718 ug/L	88
17) trans-1,2-Dichloroethene	2.78	96	3912	2.511 ug/L	92
18) Methyl tert-butyl Ether	2.79	73	13316	2.636 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7404	2.354 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	4275	2.566 ug/L	92
23) Bromochloromethane	4.29	128	2216	2.613 ug/L	79
25) Chloroform	4.41	83	9024	2.912 ug/L	98

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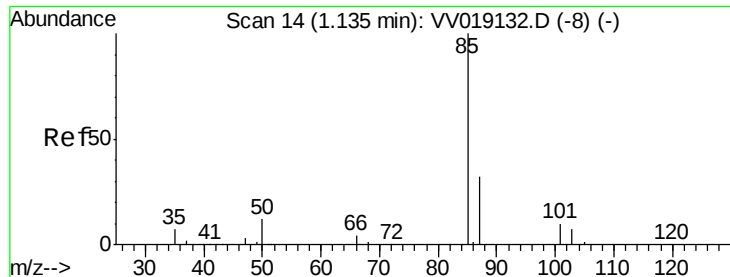
Instrument :
 MSVOA_V
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Quant Time: Oct 29 03:17:26 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.17	62	6381	2.481	ug/L #	94
29) Cyclohexane	4.70	56	4275	1.661	ug/L #	81
30) 1,1,1-Trichloroethane	4.64	97	7128	2.662	ug/L	95
31) Carbon tetrachloride	4.86	117	6073	2.602	ug/L	96
33) Benzene	5.13	78	15104	2.294	ug/L	100
34) Trichloroethene	5.94	95	4336	2.606	ug/L	93
35) Methylcyclohexane	6.15	83	4390	1.929	ug/L	88
37) 1,2-Dichloropropane	6.20	63	3974	2.193	ug/L #	87
38) Bromodichloromethane	6.54	83	5716	2.493	ug/L #	78
39) cis-1,3-Dichloropropene	7.05	75	6246	2.332	ug/L	88
40) 4-Methyl-2-pentanone	7.25	43	10243	4.189	ug/L #	93
42) Toluene	7.41	91	16348	2.419	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	5994	2.256	ug/L	91
45) 1,1,2-Trichloroethane	7.87	97	4266	2.665	ug/L	93
46) Tetrachloroethene	8.00	164	3314	2.596	ug/L	93
48) 2-Hexanone	8.17	43	8942	4.739	ug/L #	96
49) Dibromochloromethane	8.27	129	4698	2.685	ug/L	98
50) 1,2-Dibromoethane	8.38	107	4141	2.493	ug/L #	90
51) Chlorobenzene	8.90	112	11113	2.564	ug/L	98
52) Ethylbenzene	9.04	91	16890	2.311	ug/L	96
53) m,p-Xylene	9.16	106	5766	2.156	ug/L	92
54) o-xylene	9.57	106	6371	2.474	ug/L	90
55) Styrene	9.59	104	10067	2.204	ug/L	97
56) Isopropylbenzene	9.95	105	14468	2.136	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	6641	2.521	ug/L #	93
59) 1,2,3-Trichloropropane	10.30	75	5386	2.542	ug/L	93
61) Bromoform	9.76	173	3297	2.695	ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	8537	2.619	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	9177	2.694	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	9320	2.836	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.45	75	1509	2.599	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	6449	2.897	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	5756	2.742	ug/L	95
69) Naphthalene	13.53	128	13635	2.108	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	5362	2.521	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.137 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

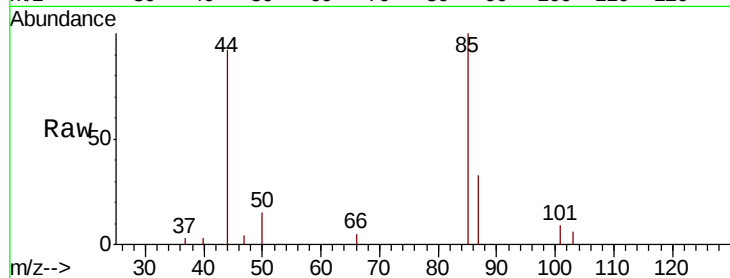
MDL05

Tot Ion: 85 Resp: 3674

Ion Ratio Lower Upper

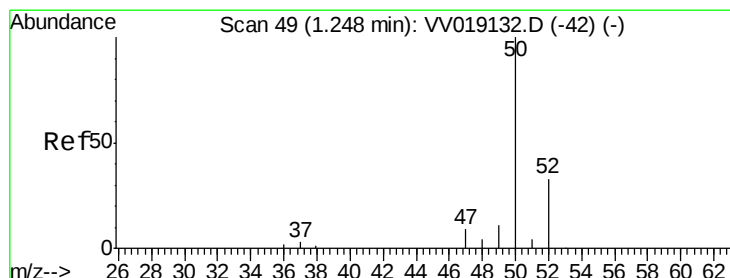
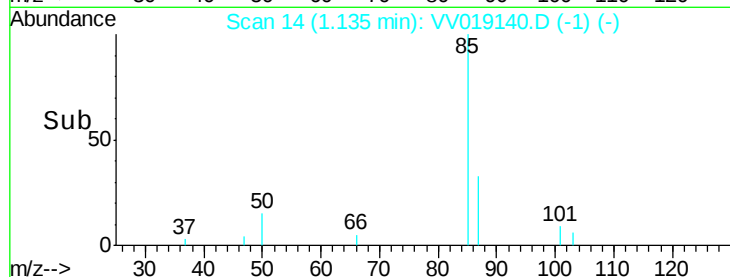
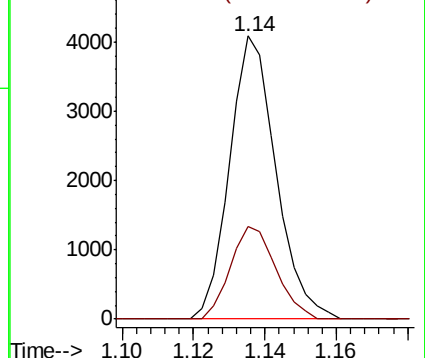
85 100

87 32.0 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: 2.040 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019140.D

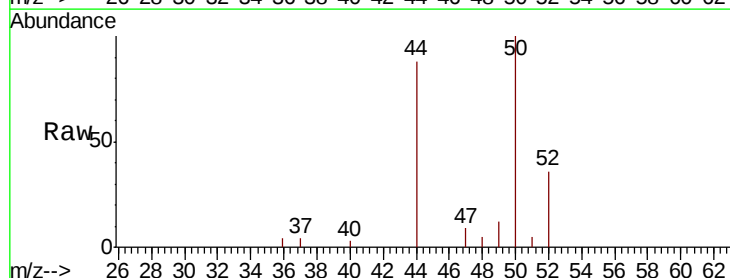
Acq: 28 Oct 2020 17:33

Tgt Ion: 50 Resp: 4363

Ion Ratio Lower Upper

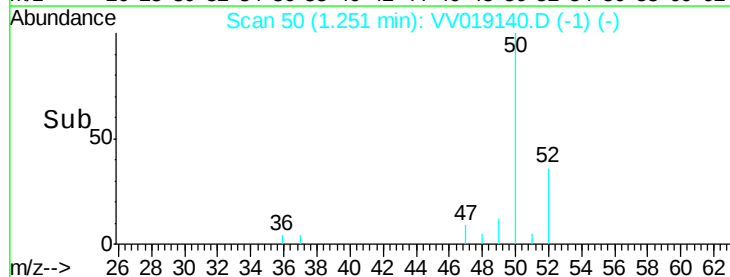
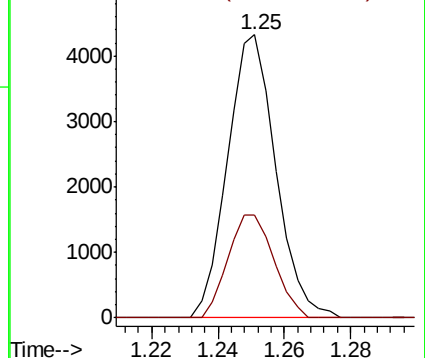
50 100

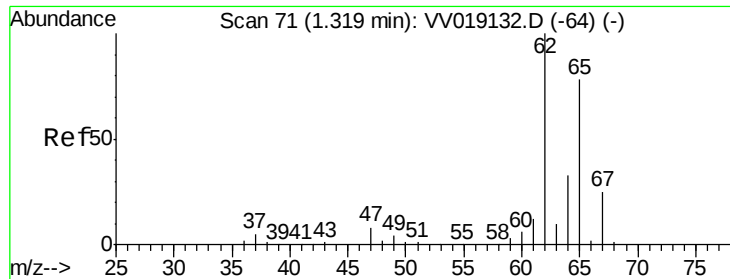
52 36.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.199 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

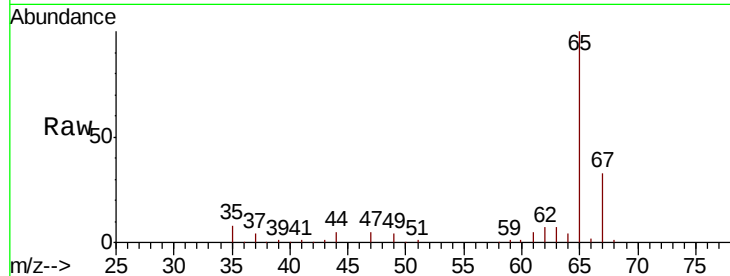
MDL05

Tot Ion: 62 Resp: 4633

Ion Ratio Lower Upper

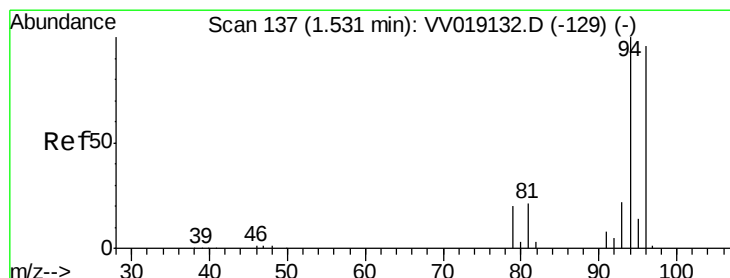
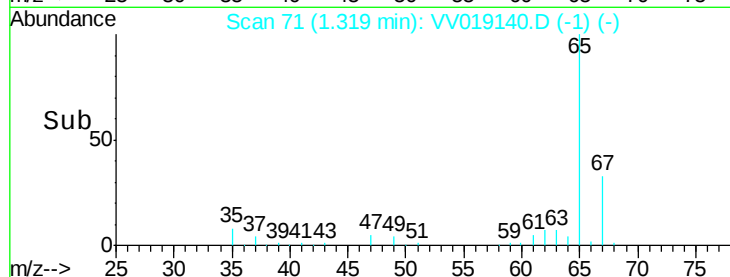
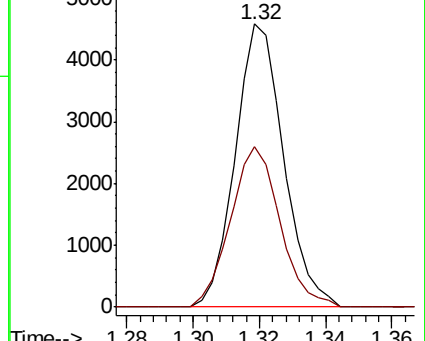
62 100

64 56.6 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: 2.690 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019140.D

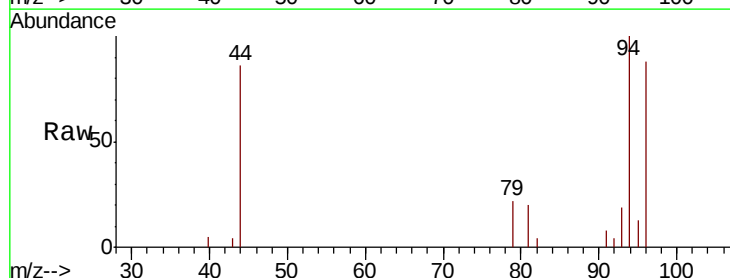
Acq: 28 Oct 2020 17:33

Tgt Ion: 94 Resp: 3242

Ion Ratio Lower Upper

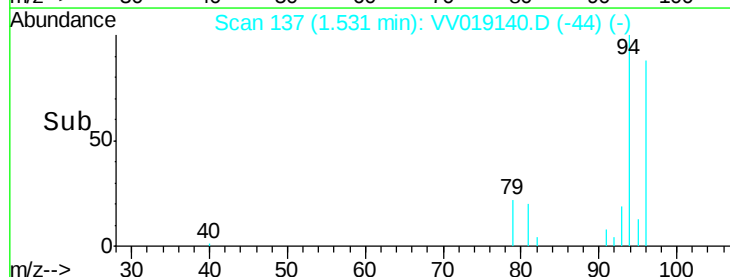
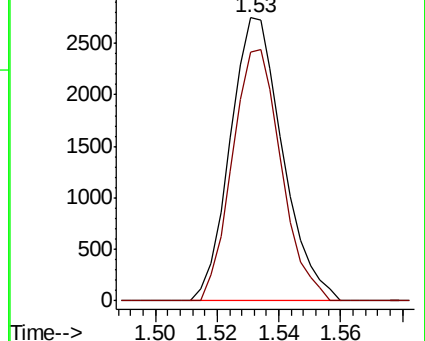
94 100

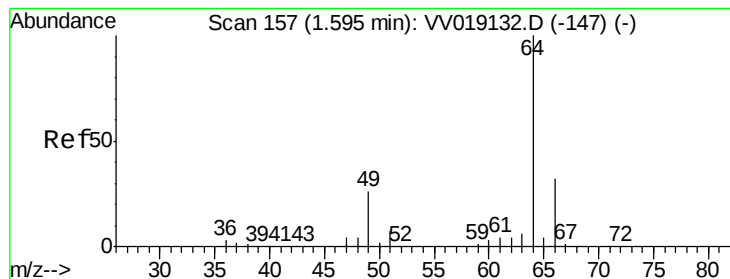
96 87.7 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.335 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

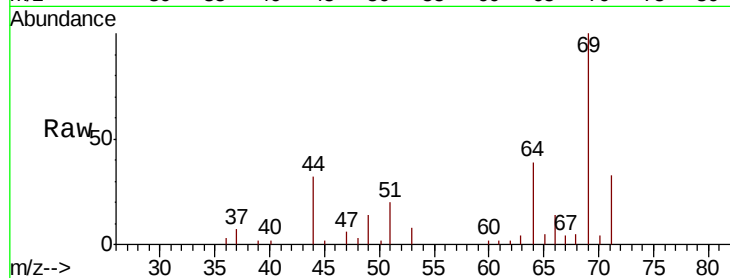
MDL05

Tot Ion: 64 Resp: 3085

Ion Ratio Lower Upper

64 100

66 36.4 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019140.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV019140.D (-33) (-)

1.60

2500

2000

1500

1000

500

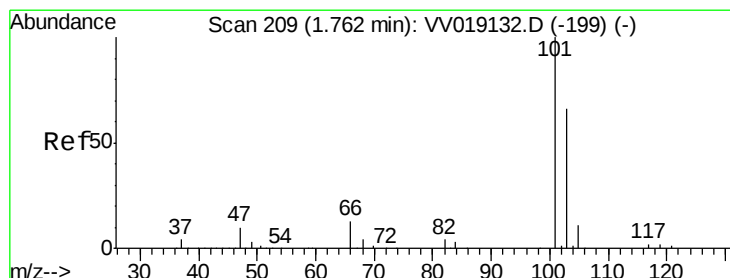
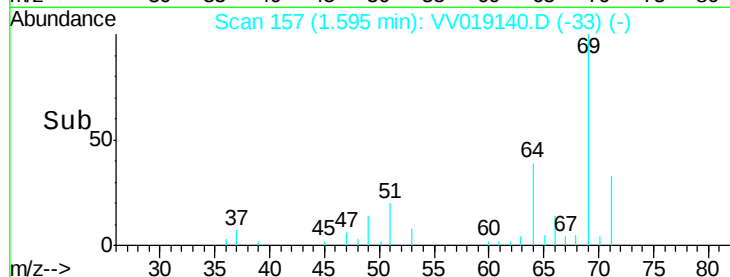
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 2.613 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019140.D

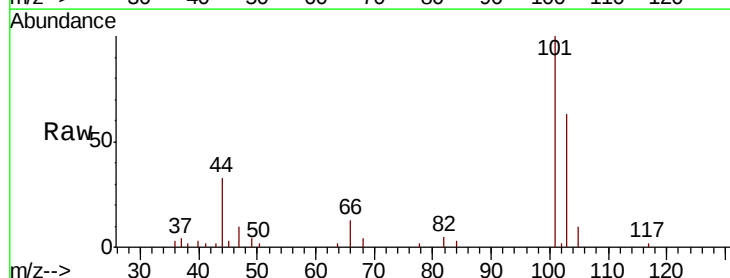
Acq: 28 Oct 2020 17:33

Tgt Ion: 101 Resp: 7241

Ion Ratio Lower Upper

101 100

103 61.1 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019140.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV019140.D (-85) (-)

1.77

6000

5000

4000

3000

2000

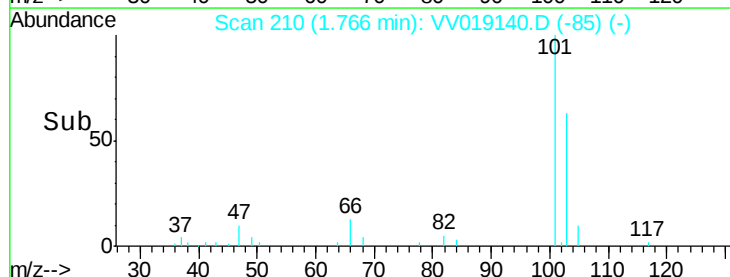
1000

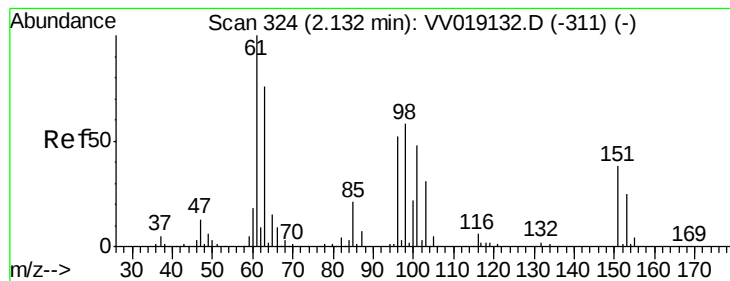
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Time-->

1.75

1.80





#10

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

Concen: 2.734 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

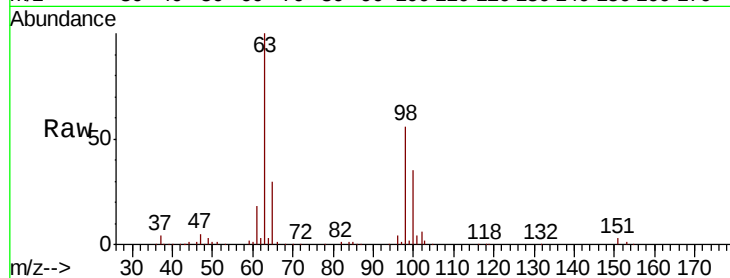
Tot Ion:101 Resp: 4029

Ion Ratio Lower Upper

101 100

85 37.5 36.9 55.3

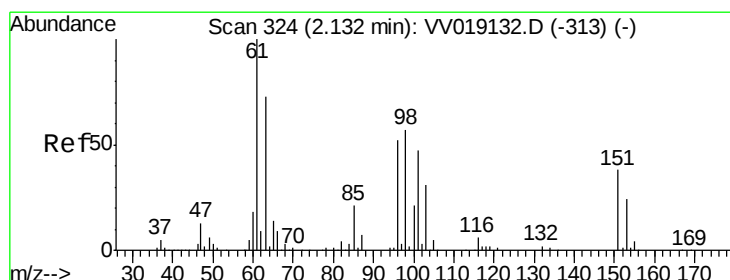
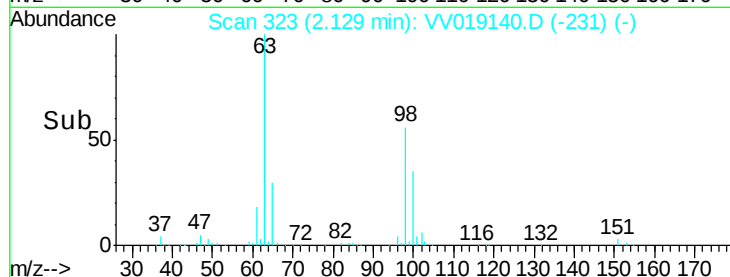
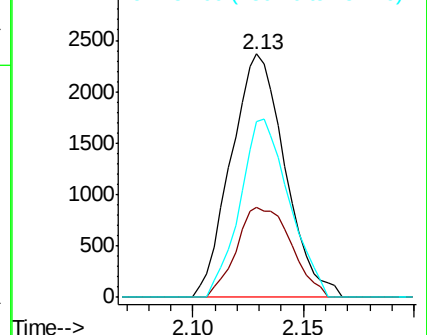
151 66.9 58.2 87.2



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: 3.023 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

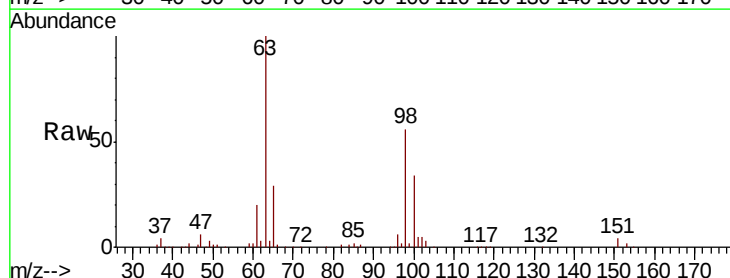
Tgt Ion: 96 Resp: 4457

Ion Ratio Lower Upper

96 100

61 346.3 138.7 257.7#

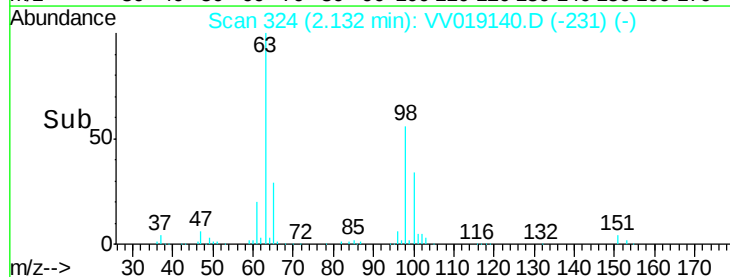
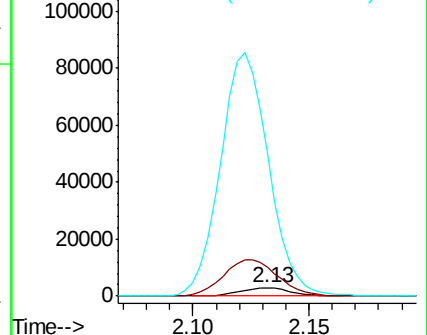
63 1696.5 126.3 234.6#

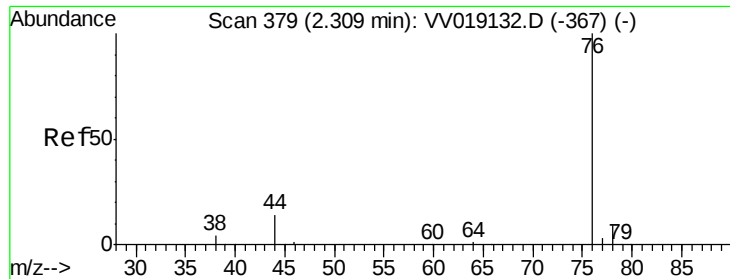


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

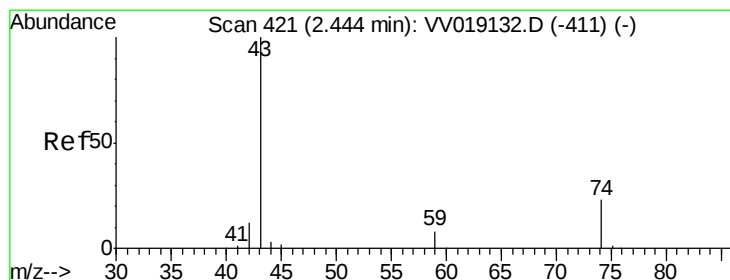
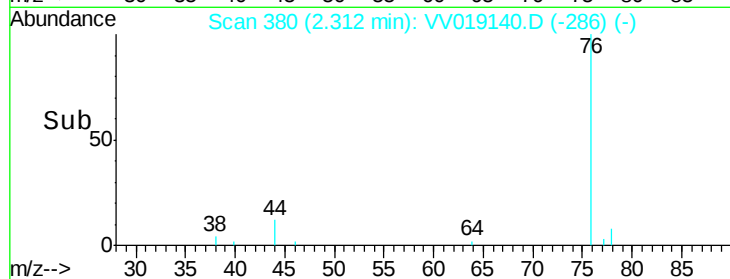
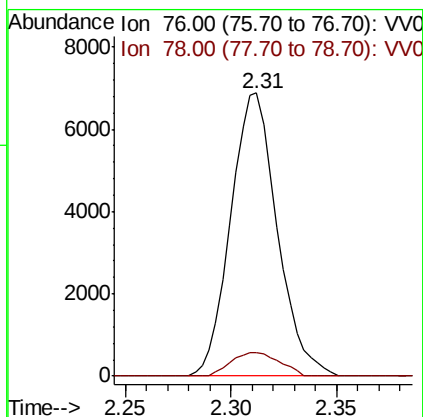
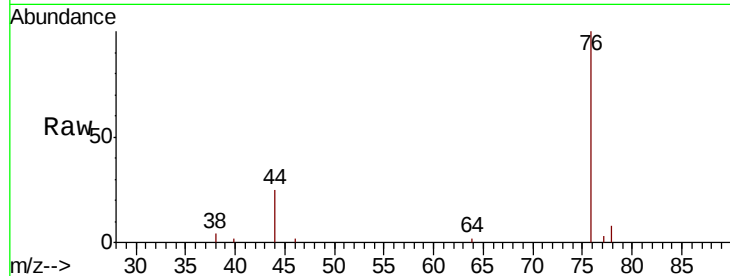




#14
Carbon disulfide
Concen: 2.172 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

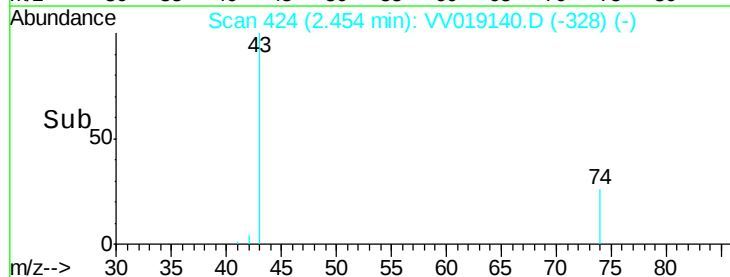
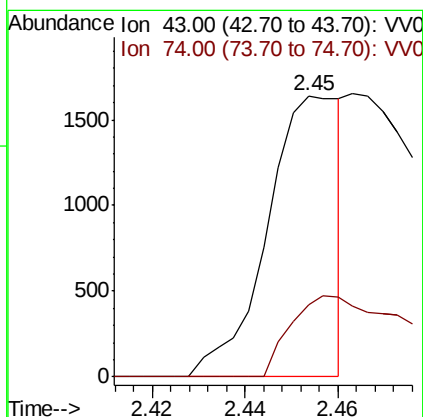
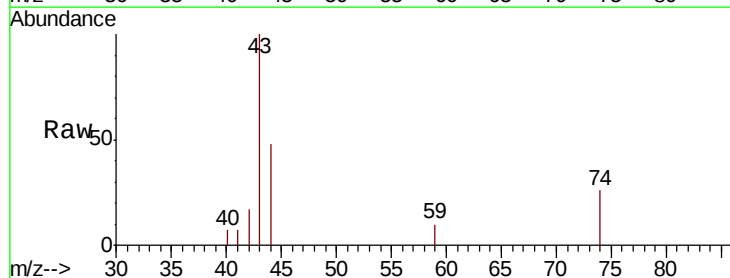
Instrument :
MSVOA_V
ClientSampleId :
MDL05

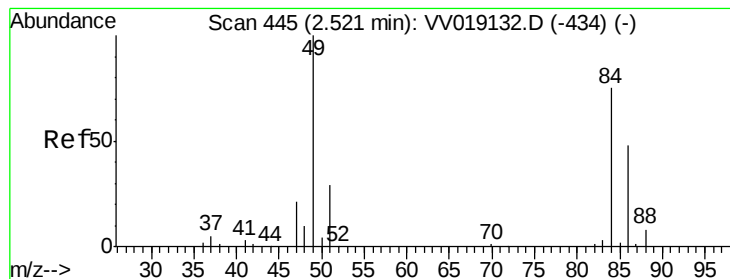
Tot Ion: 76 Resp: 10558
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#15
Methyl Acetate
Concen: 0.935 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Tgt Ion: 43 Resp: 1797
Ion Ratio Lower Upper
43 100
74 32.7 16.4 24.6#





#16

Methylene chloride

Concen: 2.718 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

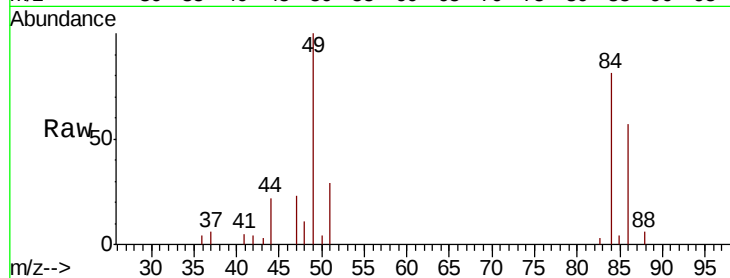
Tot Ion: 84 Resp: 4671

Ion Ratio Lower Upper

84 100

86 69.6 44.2 82.2

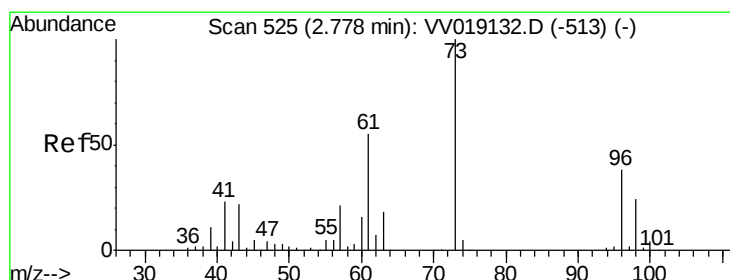
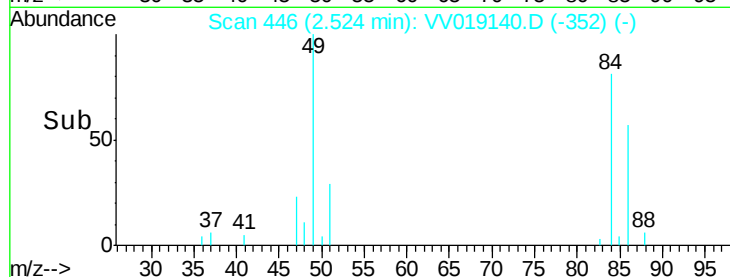
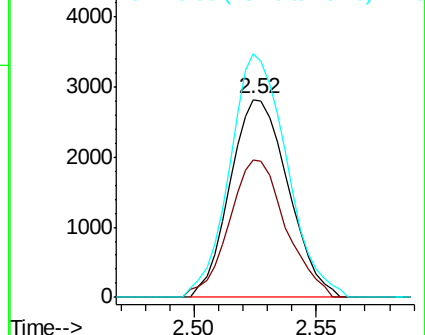
49 123.1 98.0 182.0



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 2.511 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

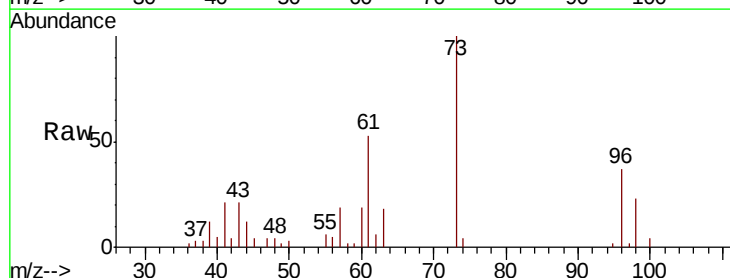
Tgt Ion: 96 Resp: 3912

Ion Ratio Lower Upper

96 100

61 142.9 108.6 201.8

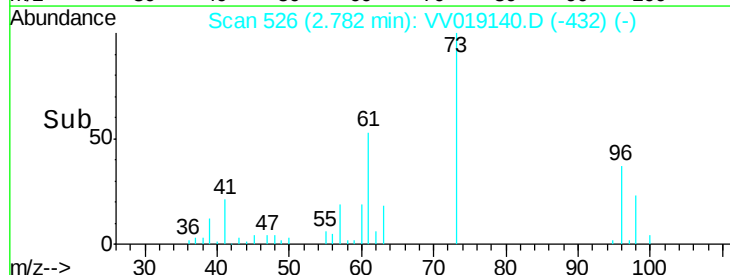
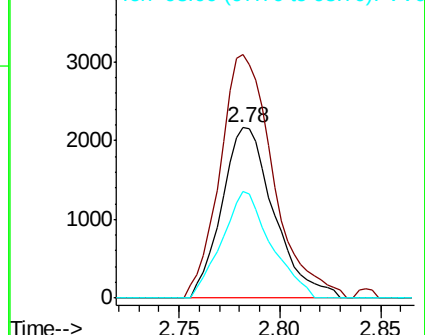
98 62.8 45.7 84.9

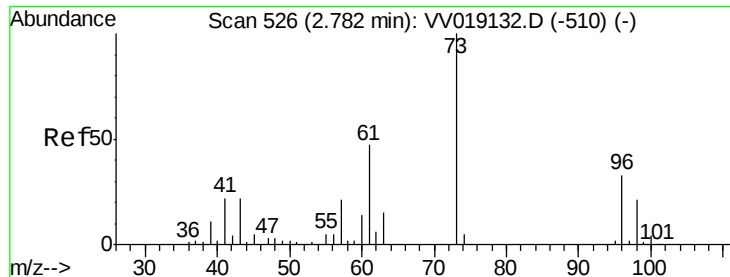


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

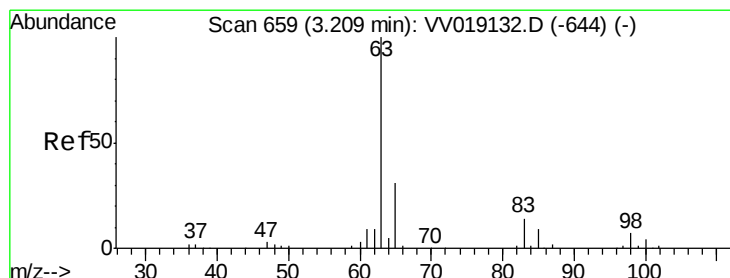
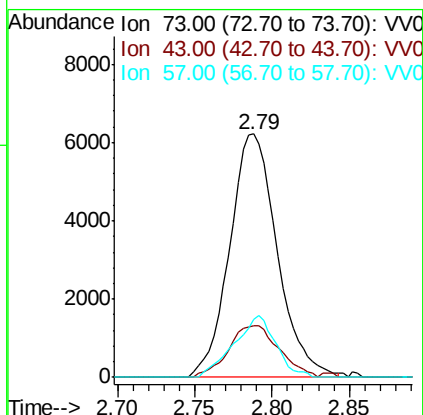
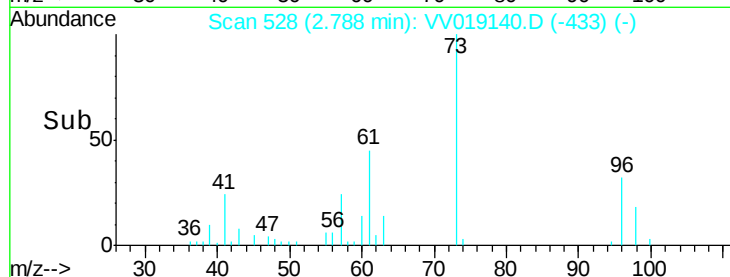
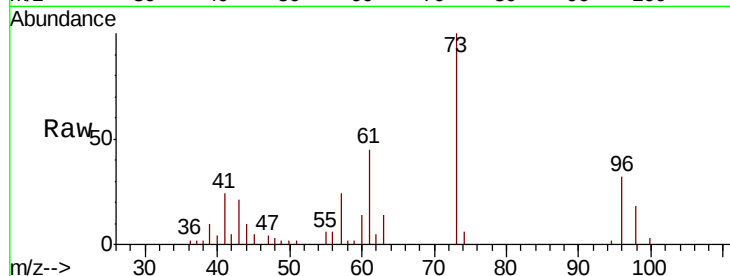




#18
Methvl tert-butvl Ether
Concen: 2.636 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

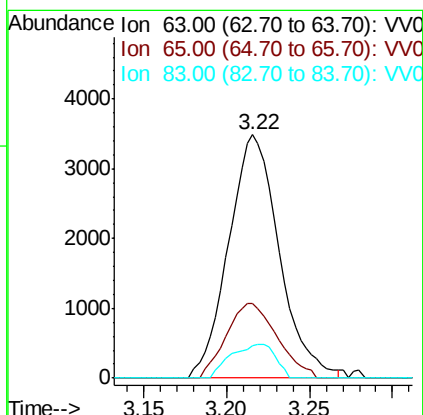
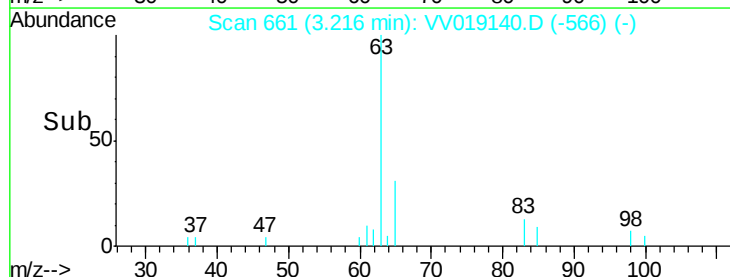
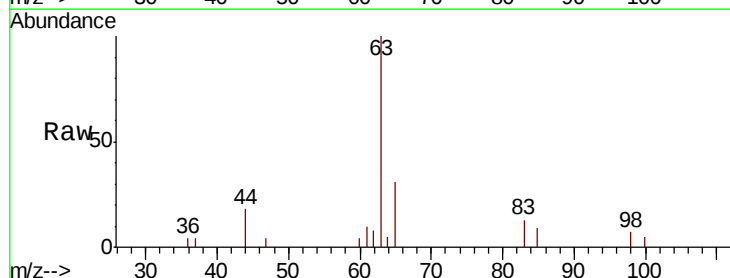
Instrument :
MSVOA_V
ClientSampleId :
MDL05

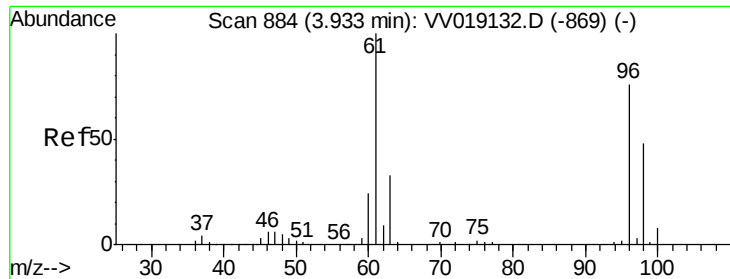
Tot Ion: 73 Resp: 13316
Ion Ratio Lower Upper
73 100
43 22.6 17.2 25.8
57 22.0 18.5 27.7



#19
1,1-Dichloroethane
Concen: 2.354 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Tgt Ion: 63 Resp: 7404
Ion Ratio Lower Upper
63 100
65 30.9 22.7 42.1
83 13.1 9.0 16.8

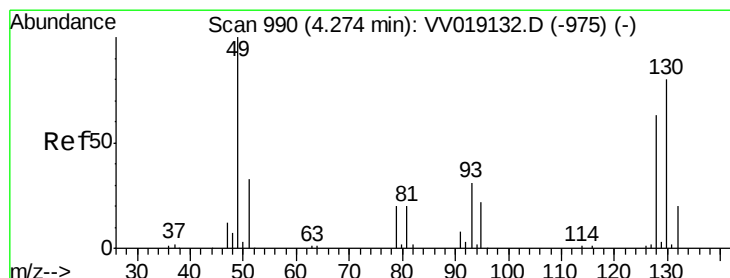
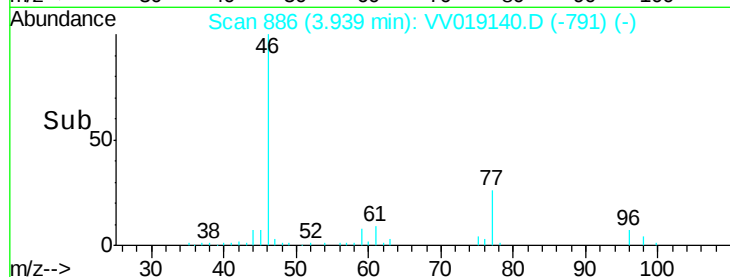
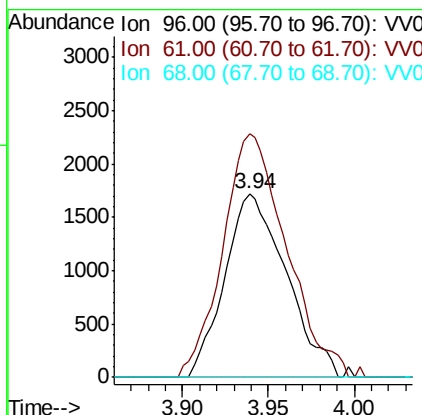
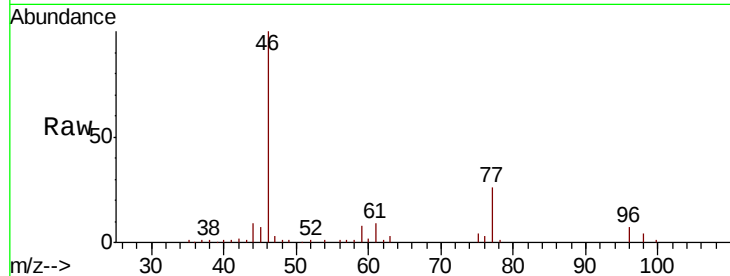




#20
 cis-1,2-Dichloroethene
 Concen: 2.566 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

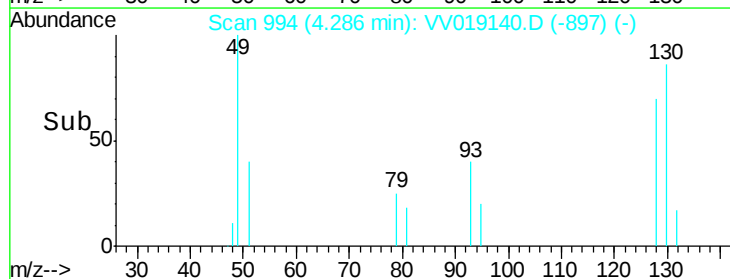
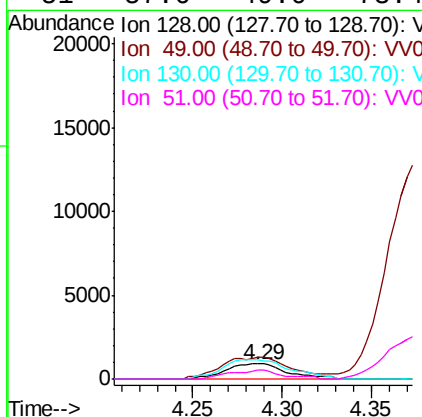
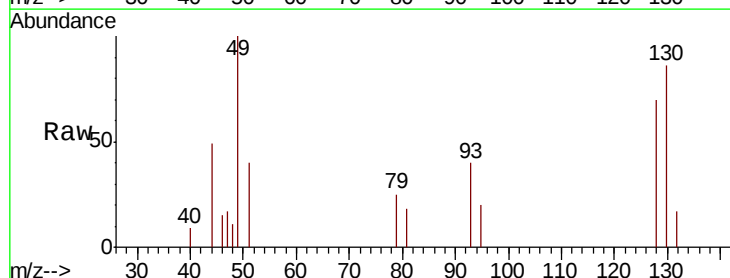
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

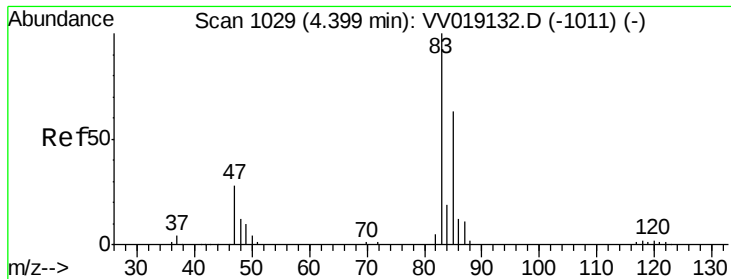
Tot Ion: 96 Resp: 4275
 Ion Ratio Lower Upper
 96 100
 61 132.4 99.4 184.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 2.613 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

Tgt Ion: 128 Resp: 2216
 Ion Ratio Lower Upper
 128 100
 49 142.4 137.1 254.5
 130 123.0 92.0 170.9
 51 57.6 49.0 73.4

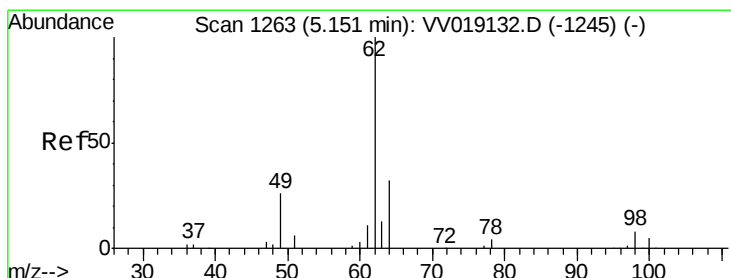
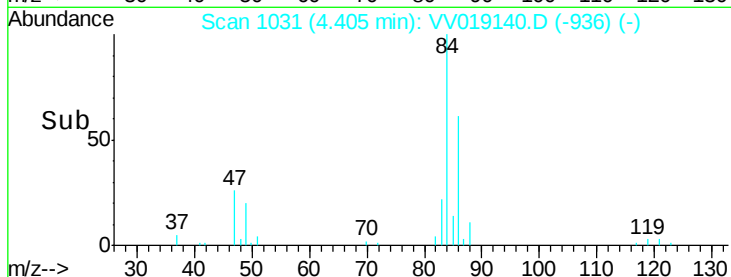
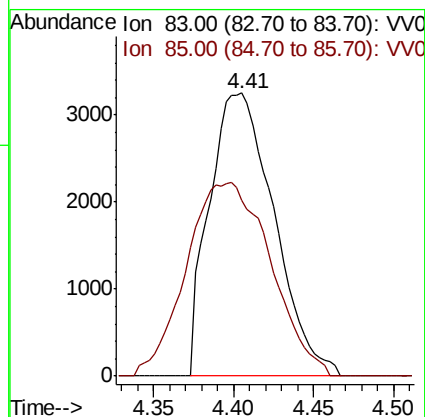
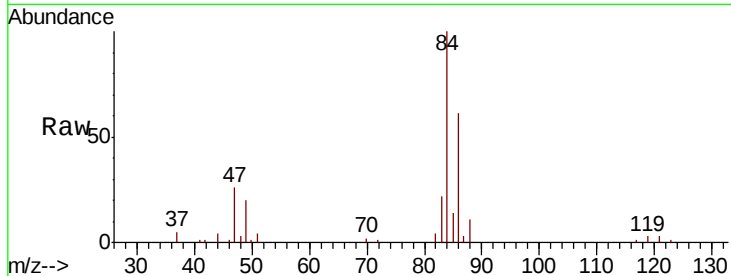




#25
Chloroform
Concen: 2.912 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

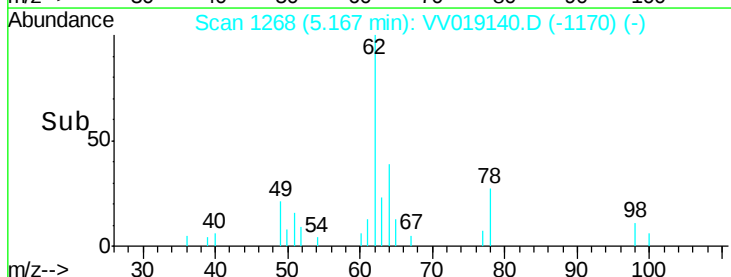
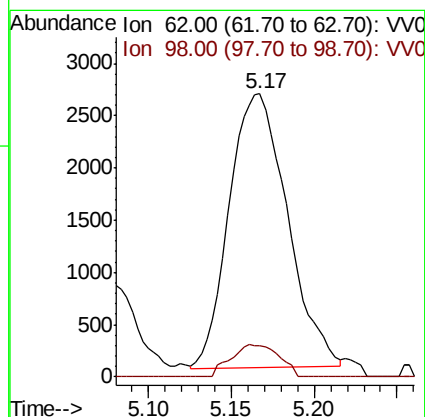
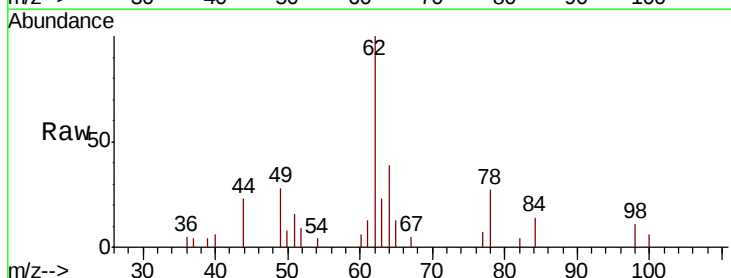
Instrument :
MSVOA_V
ClientSampled :
MDL05

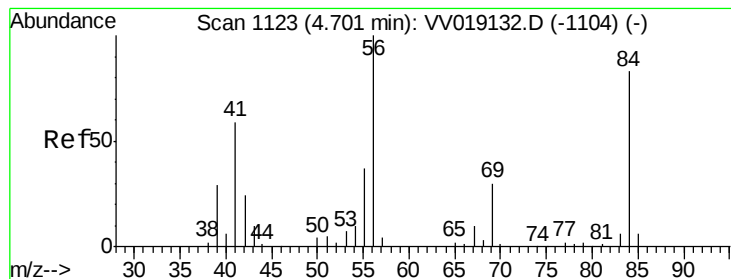
Tot Ion: 83 Resp: 9024
Ion Ratio Lower Upper
83 100
85 62.2 44.5 82.7



#27
1,2-Dichloroethane
Concen: 2.481 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.02 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Tgt Ion: 62 Resp: 6381
Ion Ratio Lower Upper
62 100
98 10.9 6.9 10.3#





#29

Cyclohexane

Concen: 1.661 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

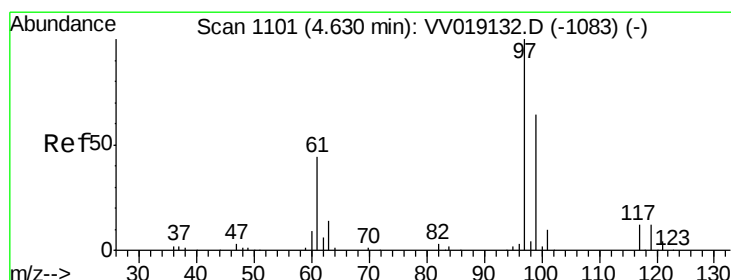
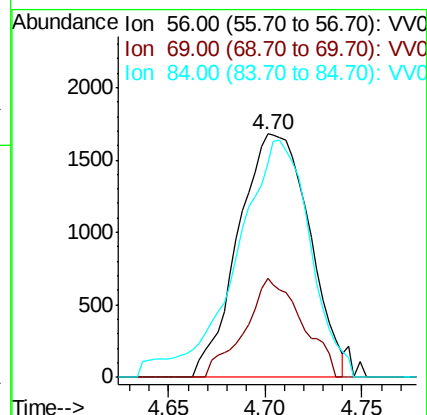
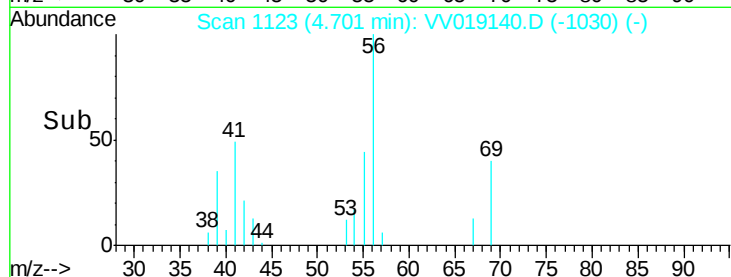
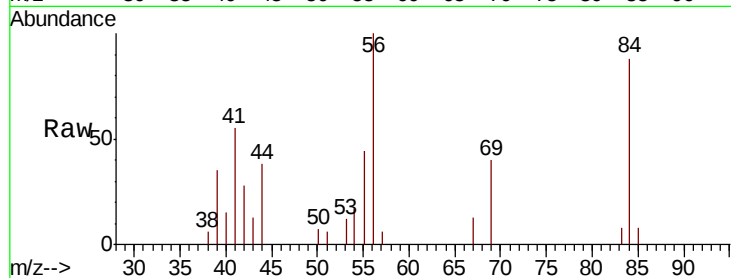
Tot Ion: 56 Resp: 4275

Ion Ratio Lower Upper

56 100

69 33.1 22.7 34.1

84 99.1 63.5 95.3#



#30

1,1,1-Trichloroethane

Concen: 2.662 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

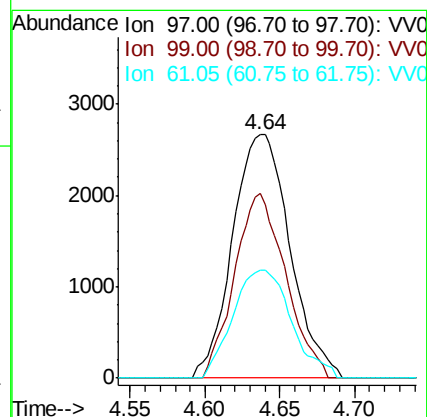
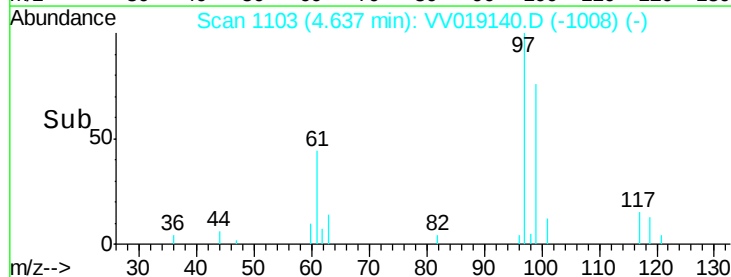
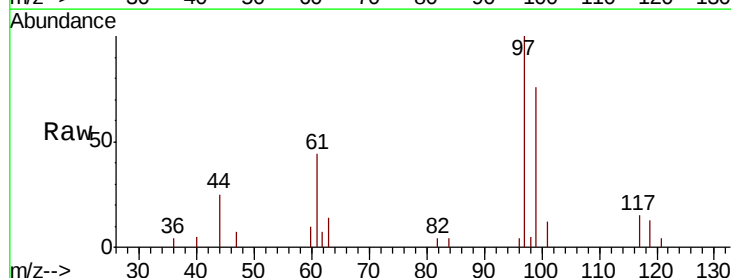
Tgt Ion: 97 Resp: 7128

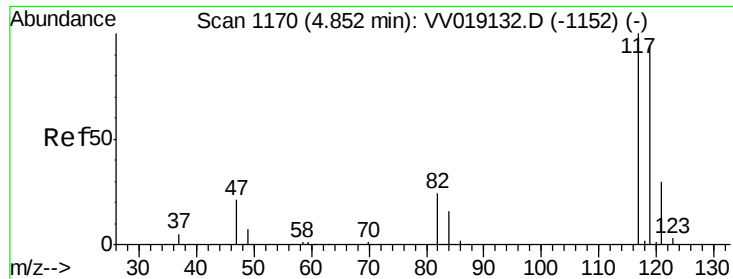
Ion Ratio Lower Upper

97 100

99 67.4 50.5 75.7

61 45.1 38.1 57.1





#31

Carbon tetrachloride

Concen: 2.602 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

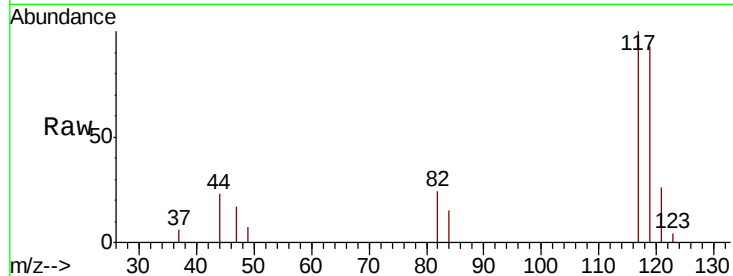
MDL05

Tot Ion:117 Resp: 6073

Ion Ratio Lower Upper

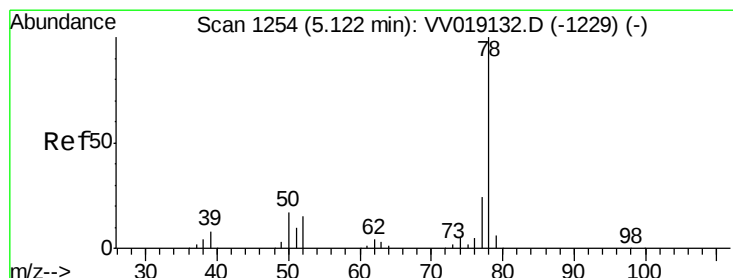
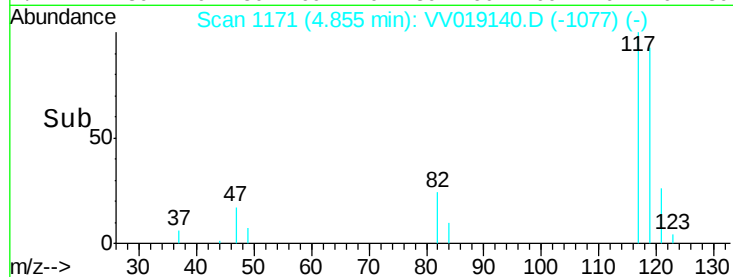
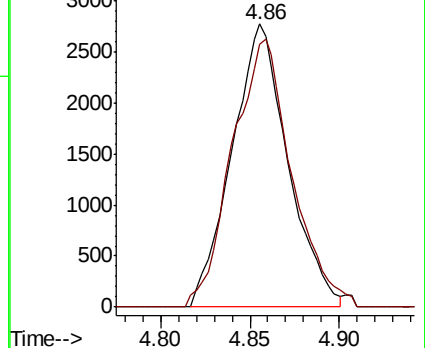
117 100

119 100.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.294 ug/L

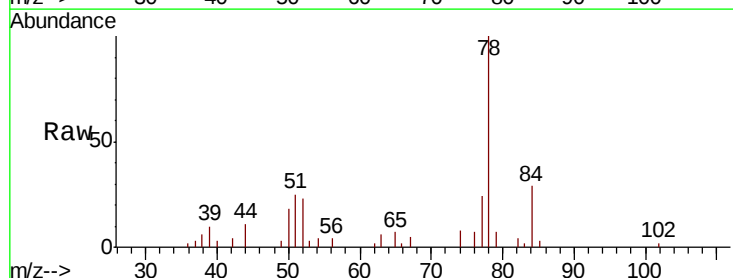
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

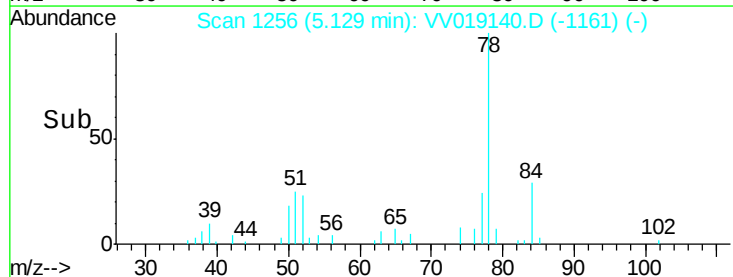
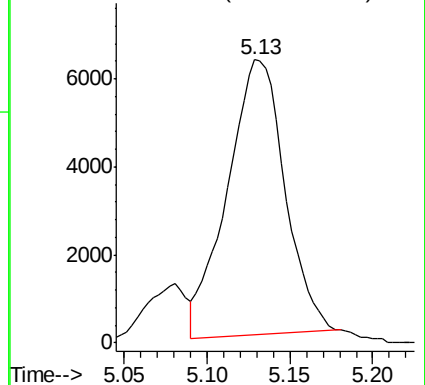
Lab File: VV019140.D

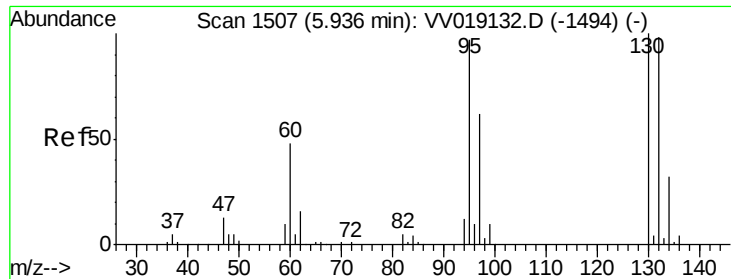
Acq: 28 Oct 2020 17:33

Tgt Ion: 78 Resp: 15104



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.606 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 95 Resp: 4336

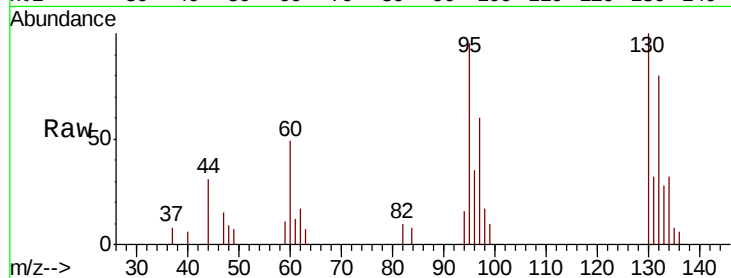
Ion Ratio Lower Upper

95 100

97 63.3 44.6 82.8

132 84.8 66.0 122.6

130 105.8 67.6 125.6

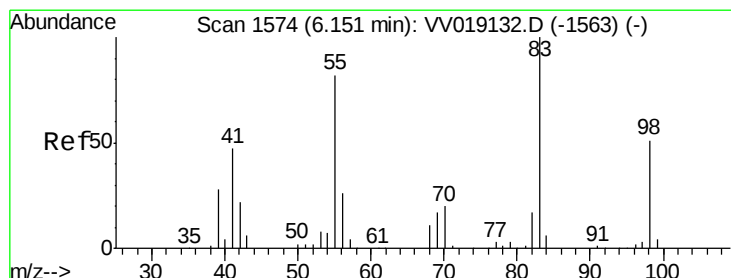
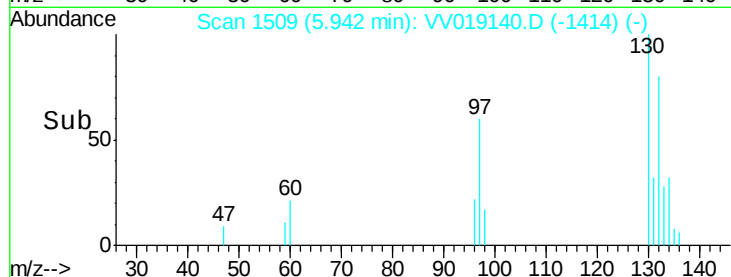
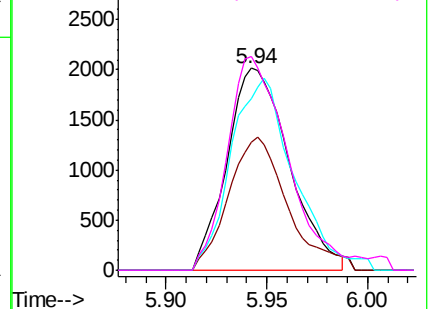


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 1.929 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

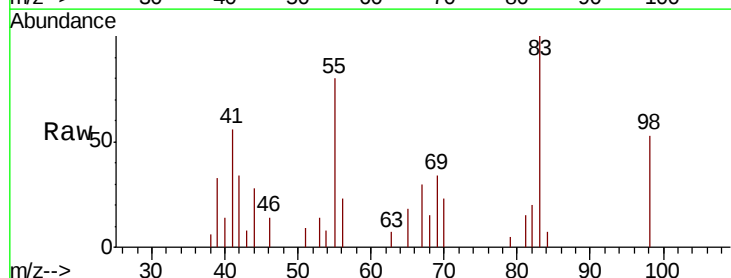
Tgt Ion: 83 Resp: 4390

Ion Ratio Lower Upper

83 100

55 73.9 68.1 102.1

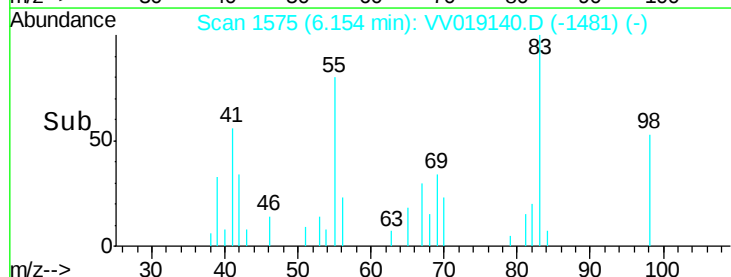
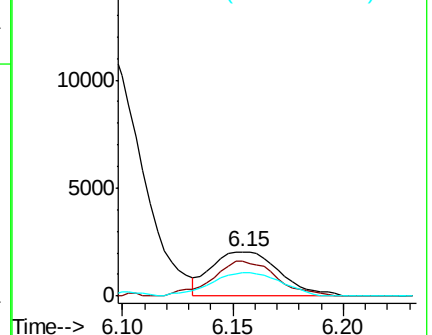
98 54.5 37.9 56.9

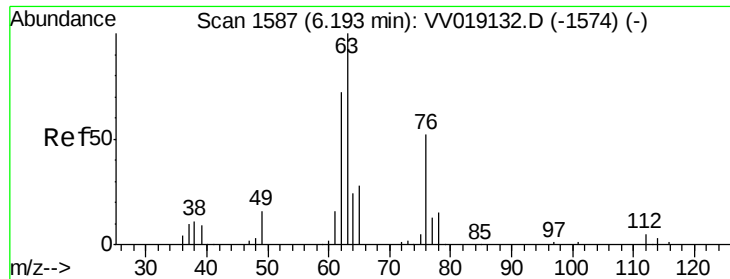


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

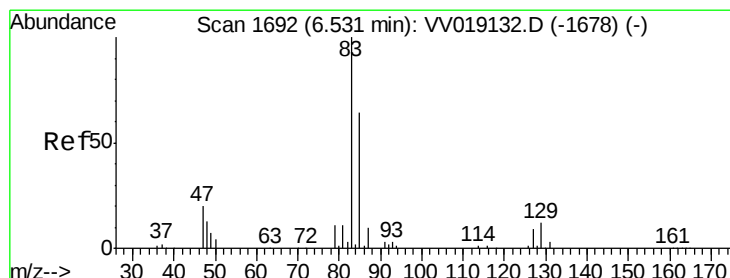
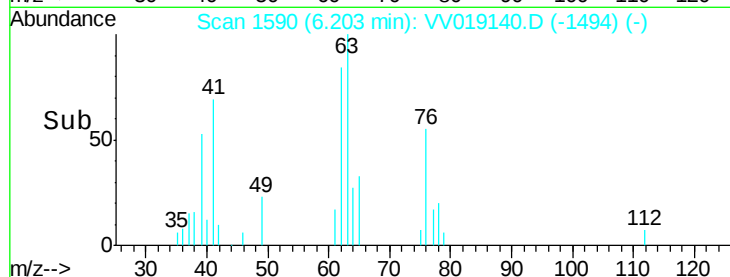
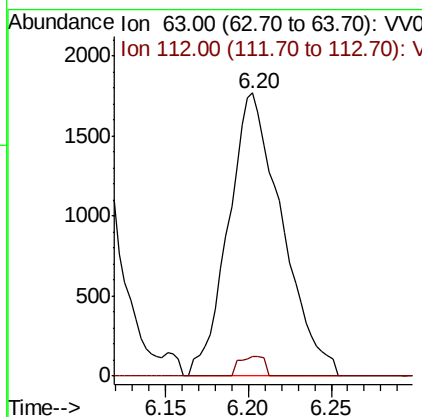
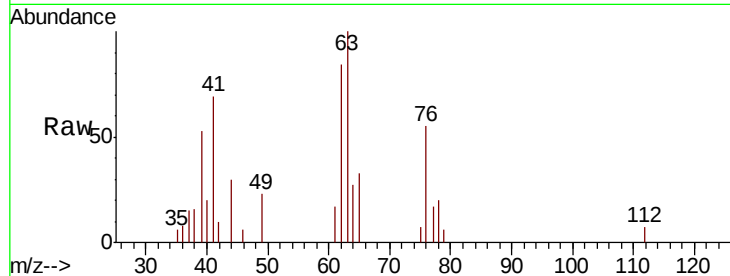




#37
 1,2-Dichloropropane
 Concen: 2.193 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

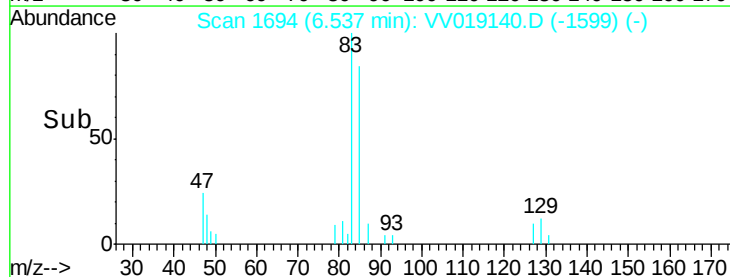
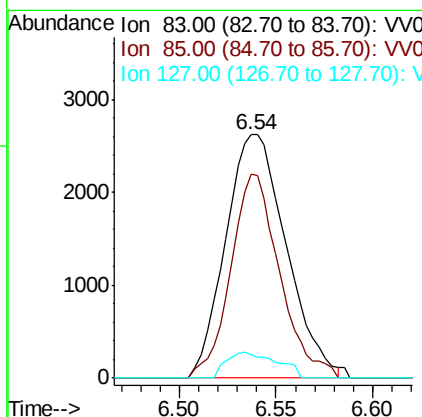
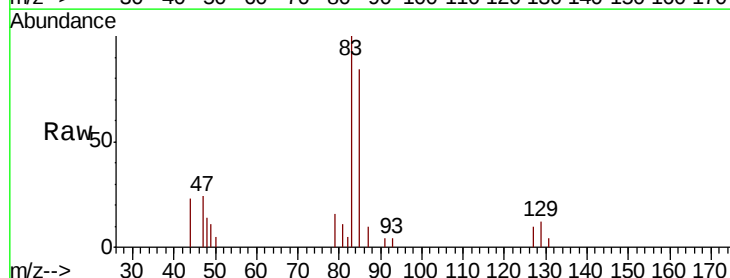
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

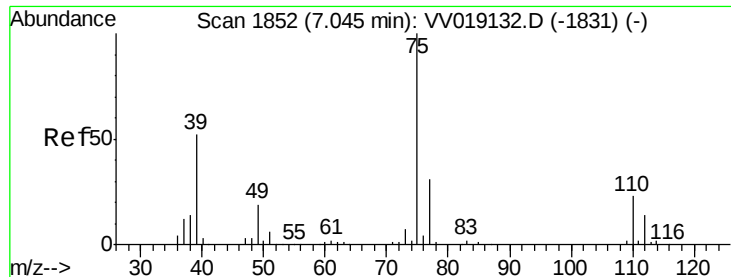
Tot Ion: 63 Resp: 3974
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.493 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

Tgt Ion: 83 Resp: 5716
 Ion Ratio Lower Upper
 83 100
 85 83.7 44.9 83.3#
 127 9.6 7.0 10.4

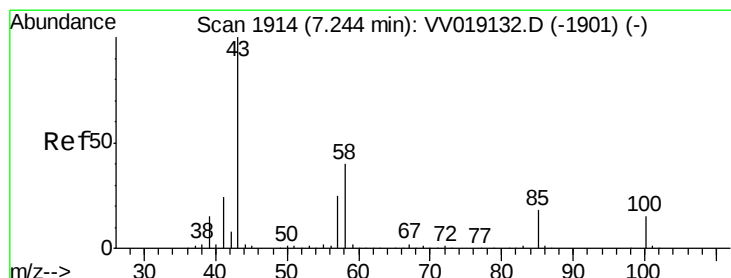
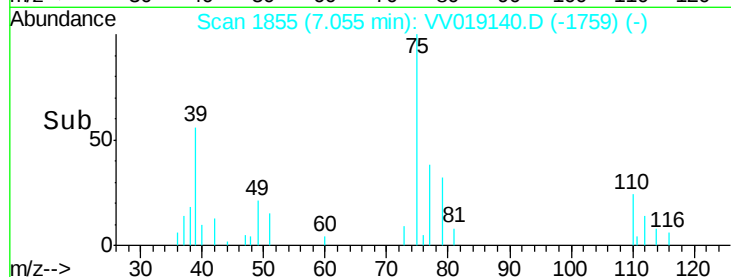
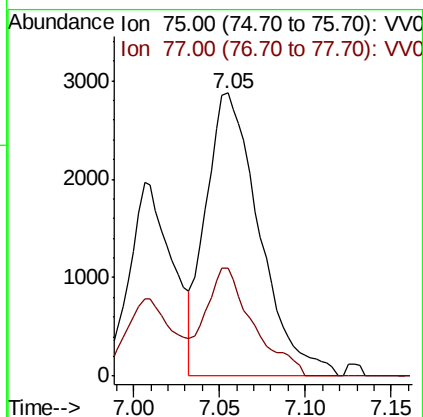
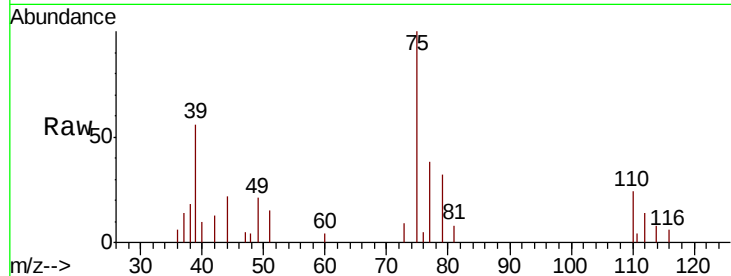




#39
 cis-1,3-Dichloropropene
 Concen: 2.332 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

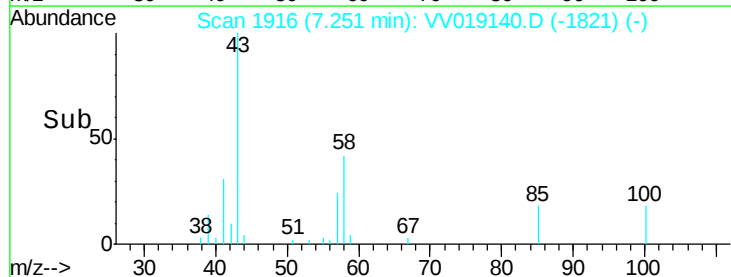
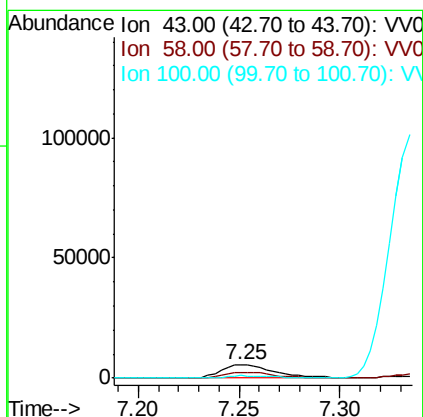
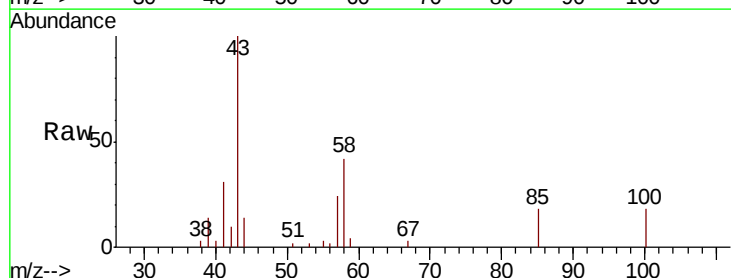
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

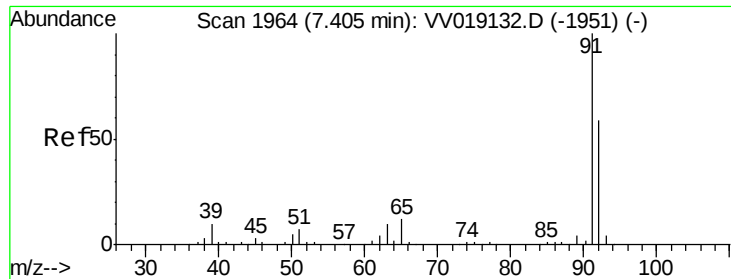
Tot Ion: 75 Resp: 6246
 Ion Ratio Lower Upper
 75 100
 77 38.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.189 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

Tgt Ion: 43 Resp: 10243
 Ion Ratio Lower Upper
 43 100
 58 41.2 29.6 44.4
 100 17.0 10.9 16.3#





#42

Toluene

Concen: 2.419 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

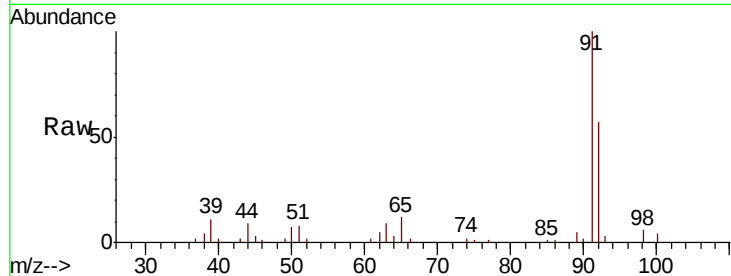
MDL05

Tot Ion: 91 Resp: 16348

Ion Ratio Lower Upper

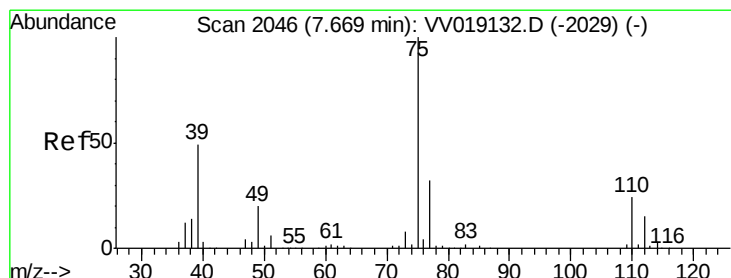
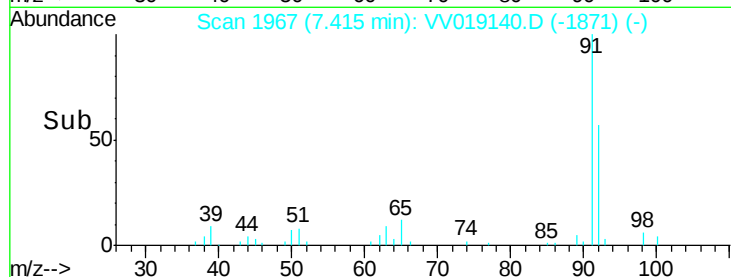
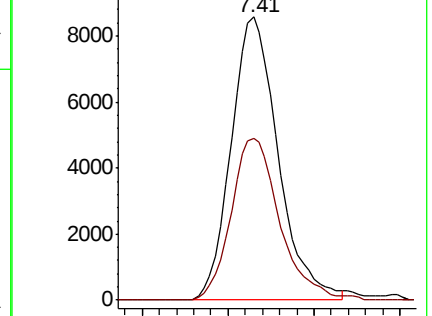
91 100

92 56.9 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV019140.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VV019140.D (-1953) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.256 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019140.D

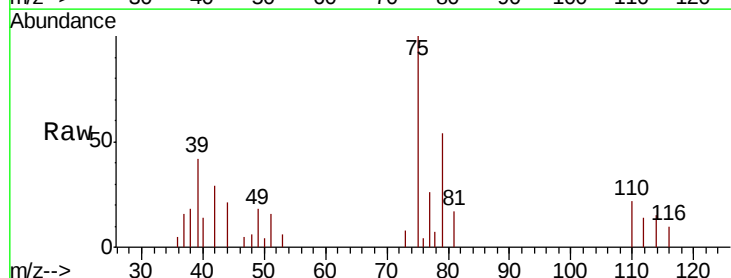
Acq: 28 Oct 2020 17:33

Tgt Ion: 75 Resp: 5994

Ion Ratio Lower Upper

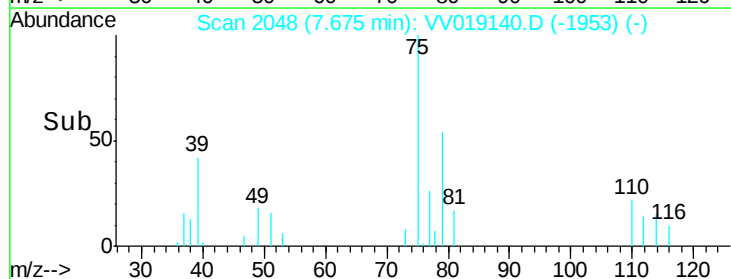
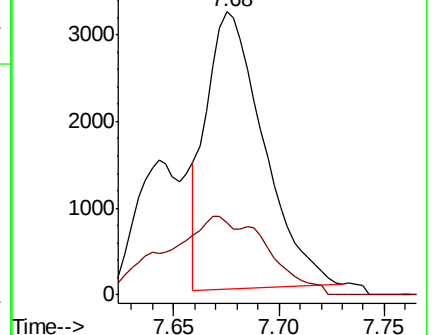
75 100

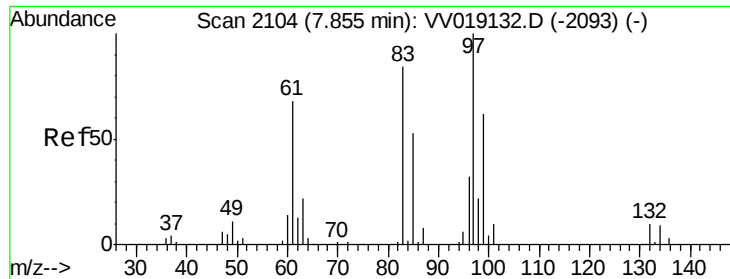
77 25.7 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019140.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV019140.D (-1953) (-)

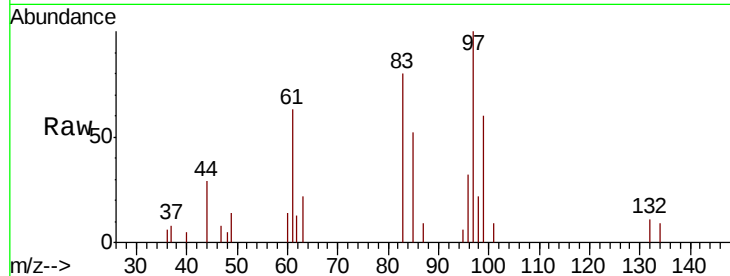




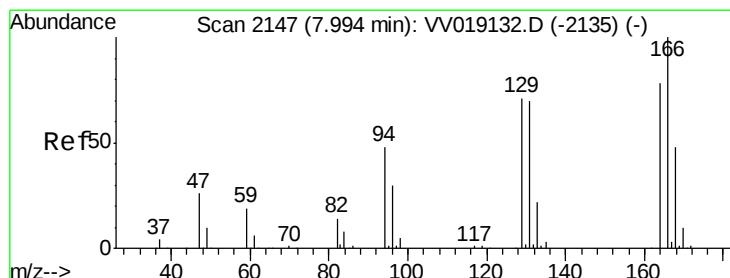
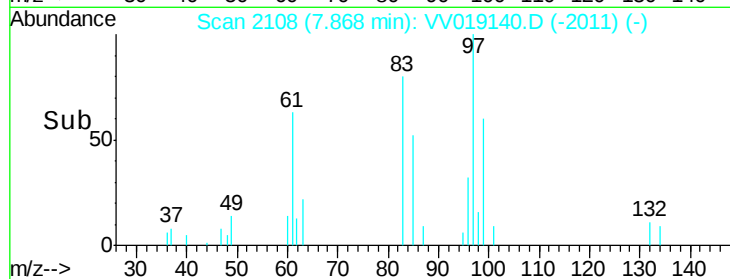
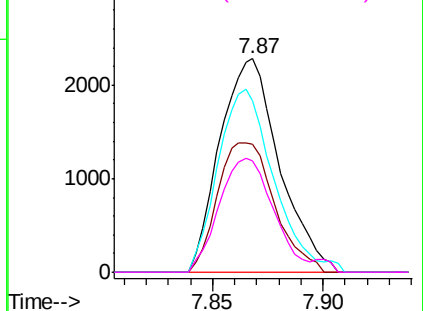
#45
1,1,2-Trichloroethane
Concen: 2.665 ug/L
RT: 7.87 min Scan# 2108
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	97	Resp:	4266
Ion	Ratio	Lower	Upper
97	100		
99	59.9	43.5	80.9
83	80.2	62.2	115.4
85	52.4	39.9	74.1



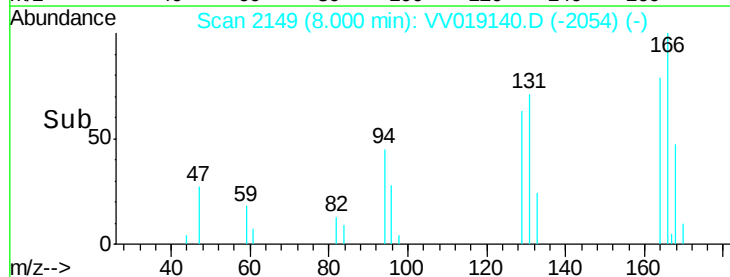
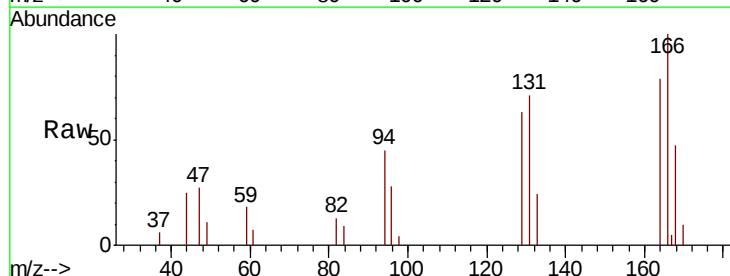
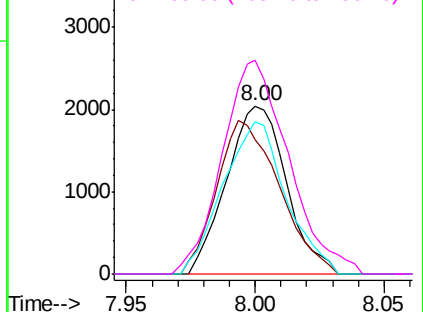
Abundance Ion 97.00 (96.70 to 97.70): VV019140.D (-2111) (-)

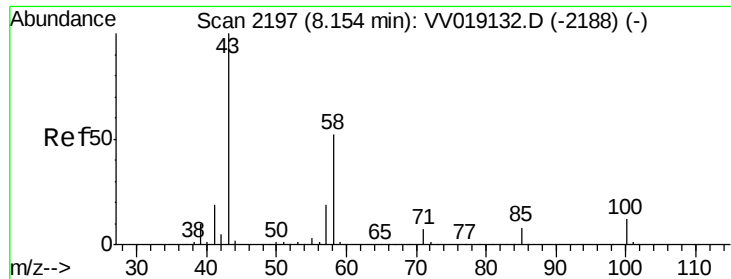


#46
Tetrachloroethene
Concen: 2.596 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Tgt Ion:	164	Resp:	3314
Ion	Ratio	Lower	Upper
164	100		
129	80.4	65.5	121.6
131	90.7	62.4	115.8
166	134.0	90.0	167.2

Abundance Ion 164.00 (163.70 to 164.70): VV019140.D (-2054) (-)

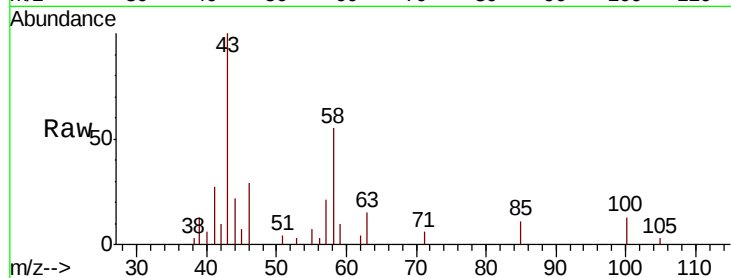




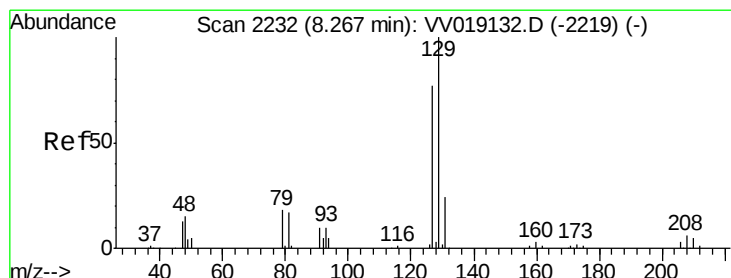
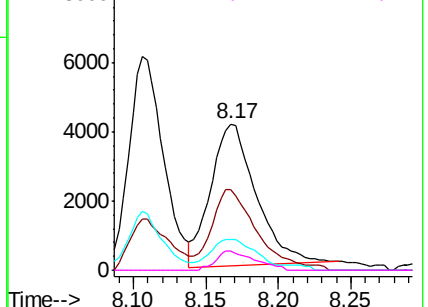
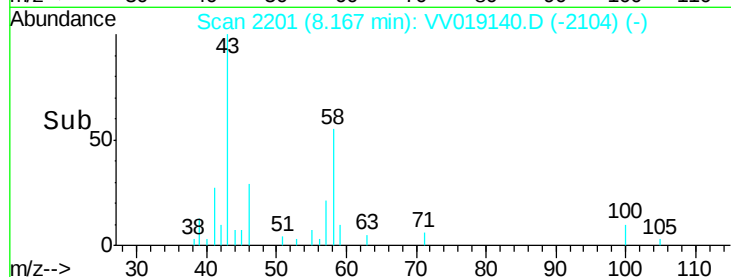
#48
2-Hexanone
Concen: 4.739 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 8942
Ion Ratio Lower Upper
43 100
58 50.3 41.1 61.7
57 23.8 14.7 22.1#
100 11.6 8.6 12.8

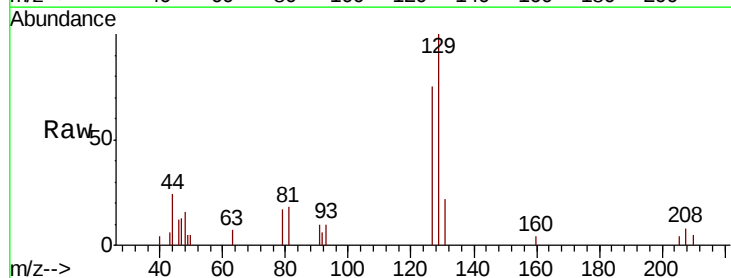


Abundance Ion 43.00 (42.70 to 43.70): VV019140.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019140.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019140.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019140.D (-2104) (-)

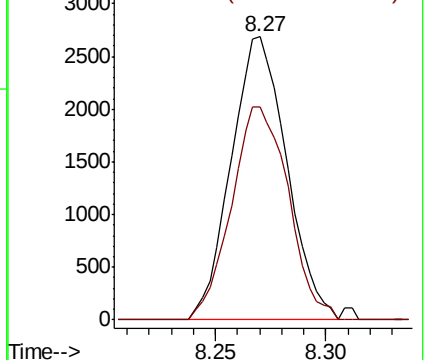
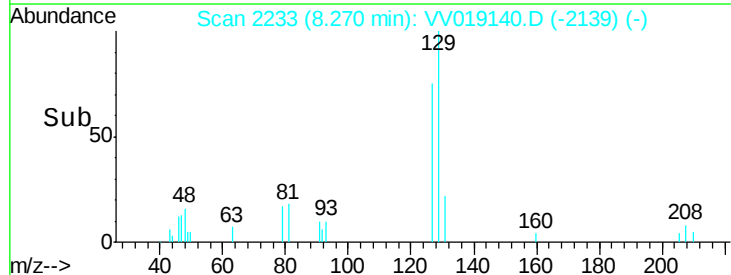


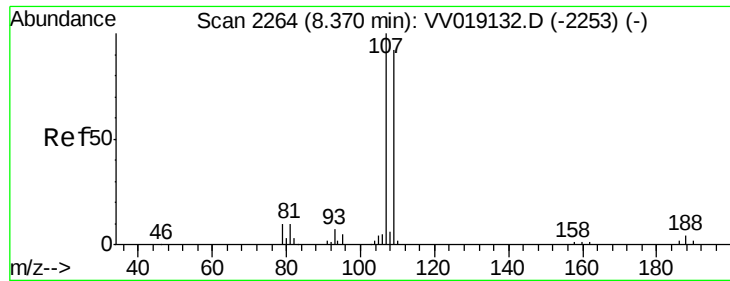
#49
Dibromochloromethane
Concen: 2.685 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019140.D
Acq: 28 Oct 2020 17:33

Tgt Ion: 129 Resp: 4698
Ion Ratio Lower Upper
129 100
127 75.1 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019140.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019140.D (-2139) (-)

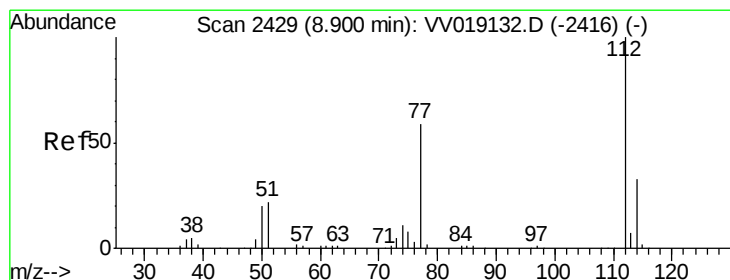
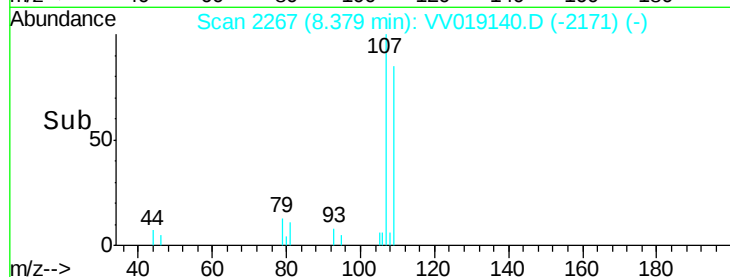
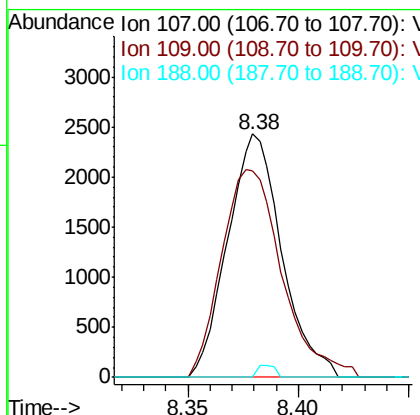
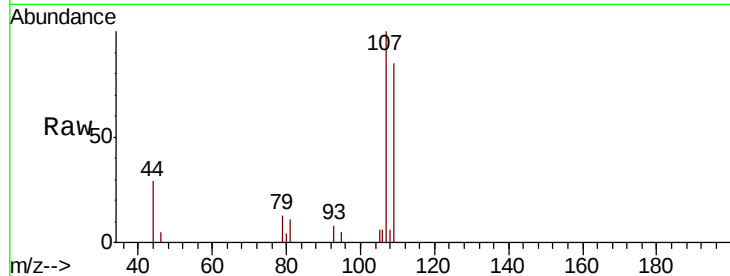




#50
 1,2-Dibromoethane
 Concen: 2.493 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

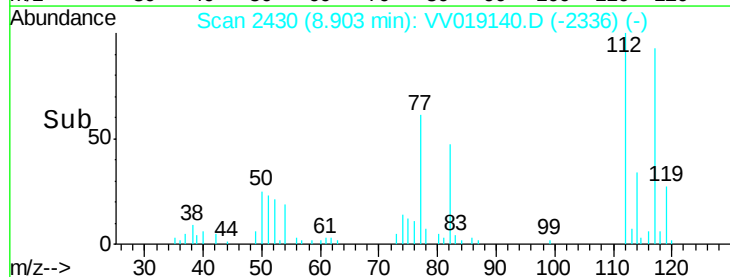
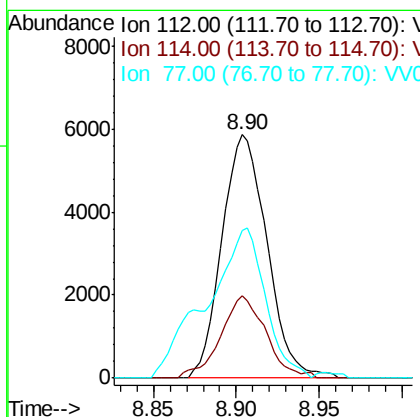
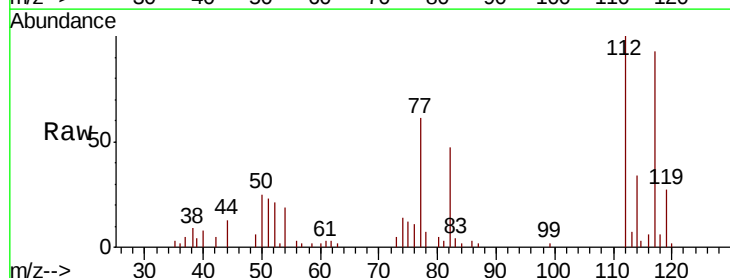
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

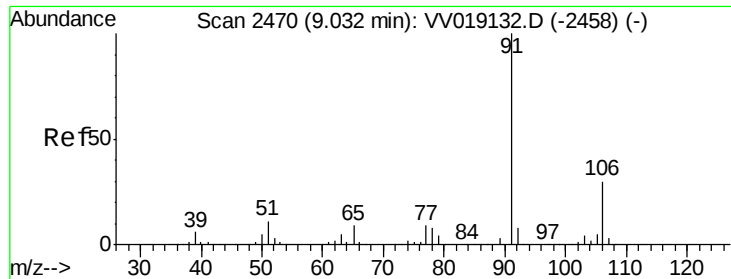
Tot Ion:107 Resp: 4141
 Ion Ratio Lower Upper
 107 100
 109 85.0 66.1 122.7
 188 0.0 3.2 4.8#



#51
 Chlorobenzene
 Concen: 2.564 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

Tgt Ion:112 Resp: 11113
 Ion Ratio Lower Upper
 112 100
 114 33.6 22.2 41.2
 77 60.6 49.1 73.7





#52

Ethylbenzene

Concen: 2.311 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

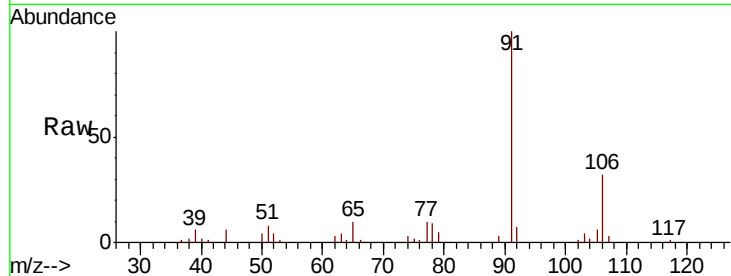
MDL05

Tot Ion: 91 Resp: 16890

Ion Ratio Lower Upper

91 100

106 31.7 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019140.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019140.D (-2377) (-)

9.04

10000

8000

6000

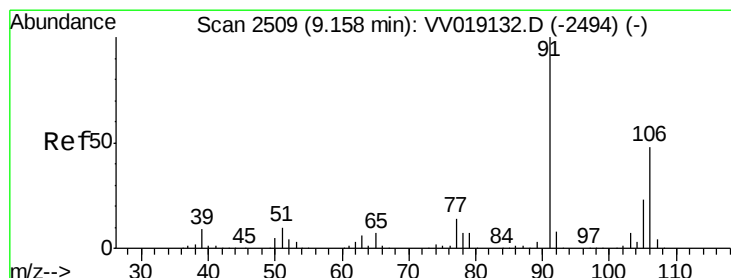
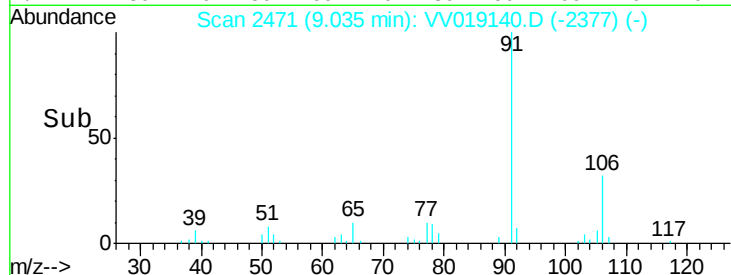
4000

2000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 2.156 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019140.D

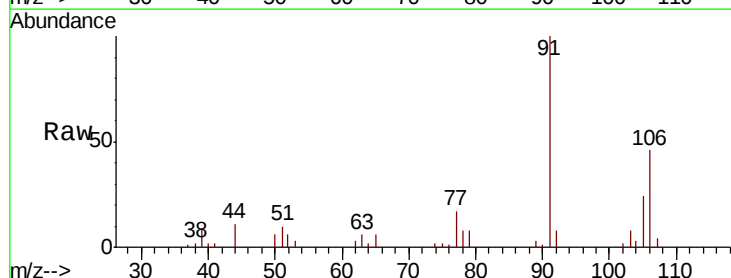
Acq: 28 Oct 2020 17:33

Tgt Ion: 106 Resp: 5766

Ion Ratio Lower Upper

106 100

91 217.7 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019140.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019140.D (-2416) (-)

9.16

8000

6000

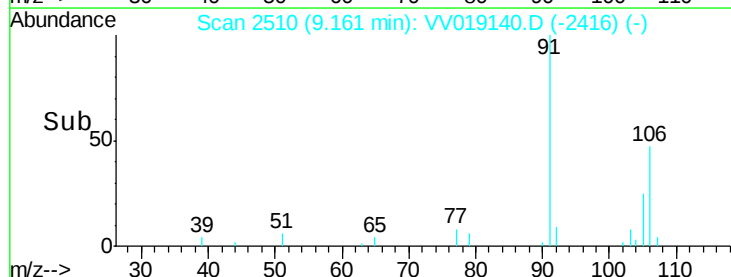
4000

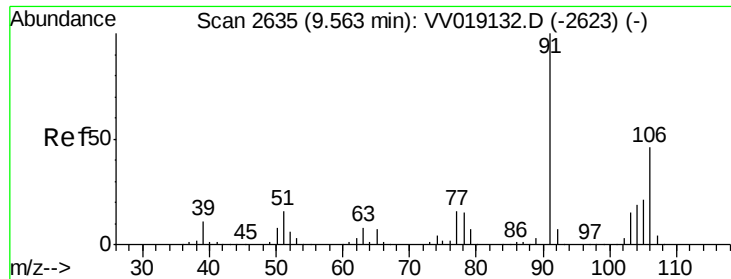
2000

0

Time-->

9.15 9.20





#54

o-xylene

Concen: 2.474 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

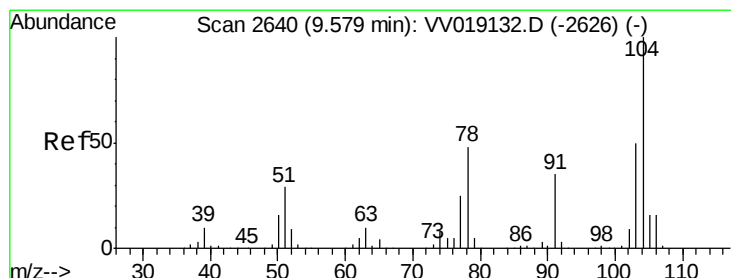
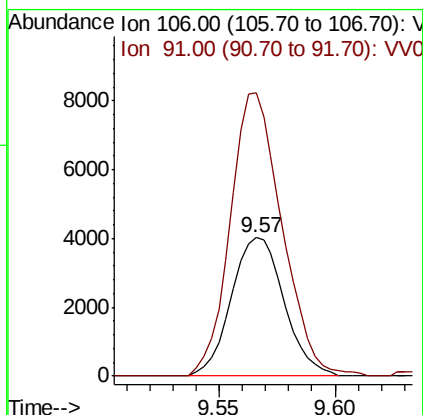
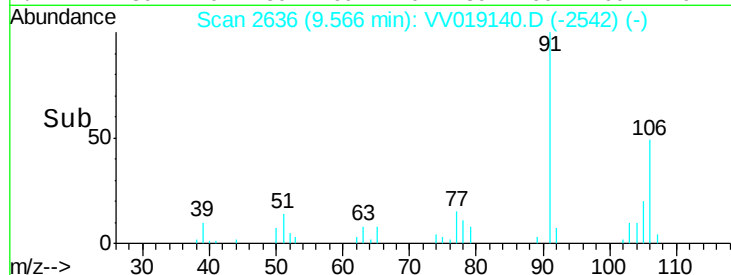
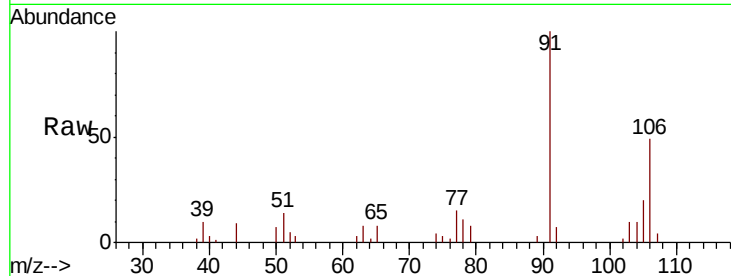
MDL05

Tot Ion:106 Resp: 6371

Ion Ratio Lower Upper

106 100

91 204.9 154.3 286.5



#55

Styrene

Concen: 2.204 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019140.D

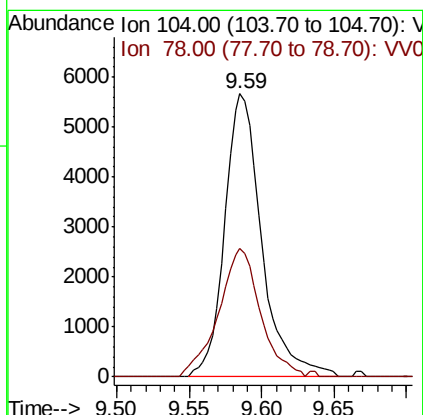
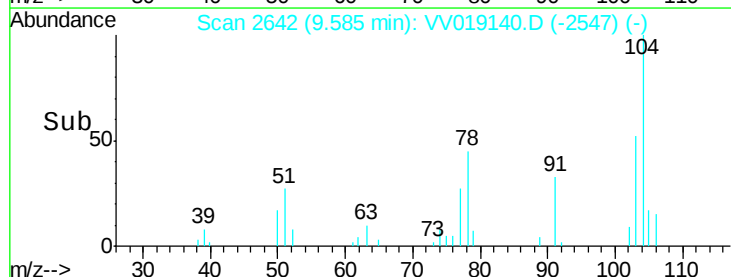
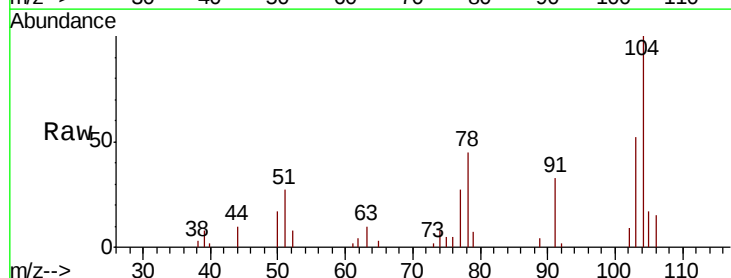
Acq: 28 Oct 2020 17:33

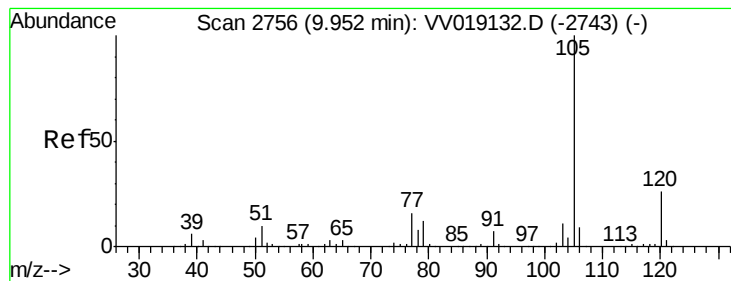
Tgt Ion:104 Resp: 10067

Ion Ratio Lower Upper

104 100

78 45.5 33.2 61.7





#56

Isopropylbenzene

Concen: 2.136 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

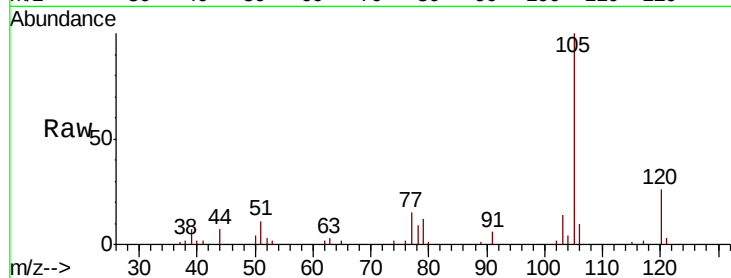
Tot Ion:105 Resp: 14468

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

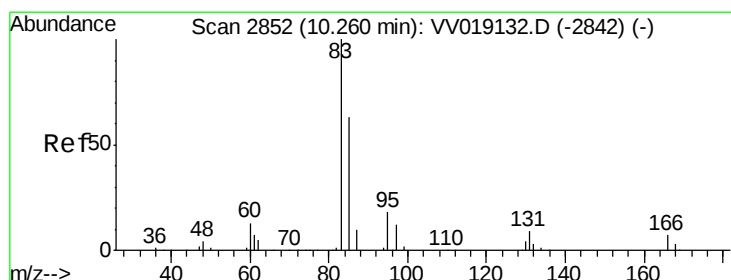
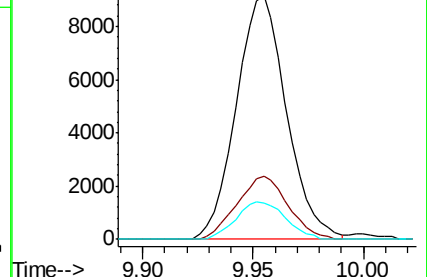
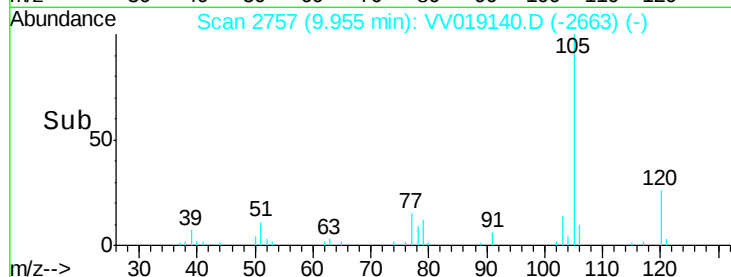
77 15.1 13.4 20.0



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.521 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

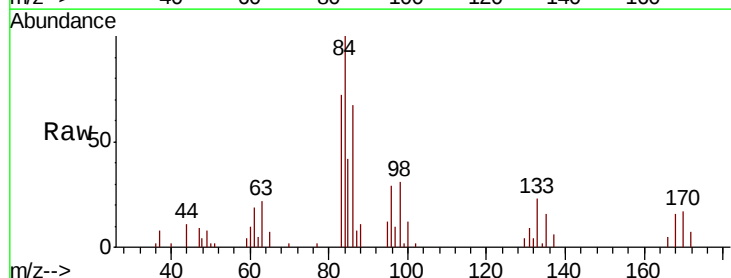
Tgt Ion: 83 Resp: 6641

Ion Ratio Lower Upper

83 100

85 57.6 44.2 82.2

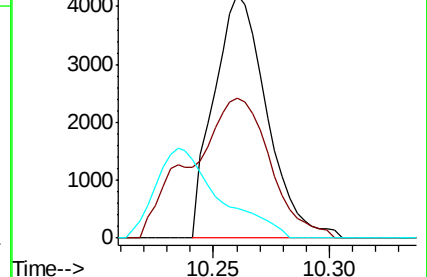
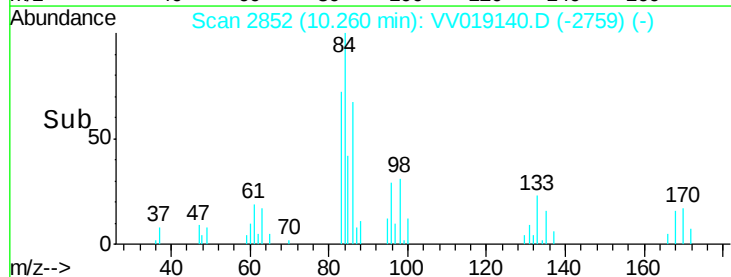
131 12.3 7.4 11.2#

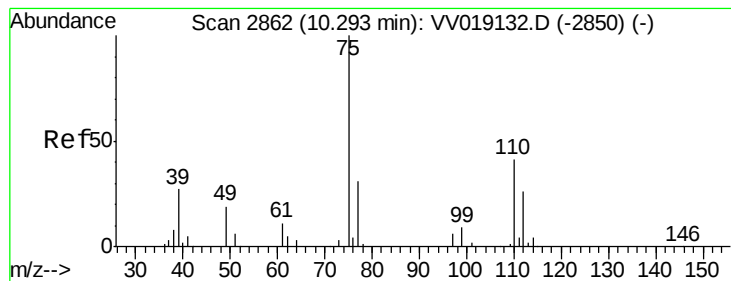


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.542 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

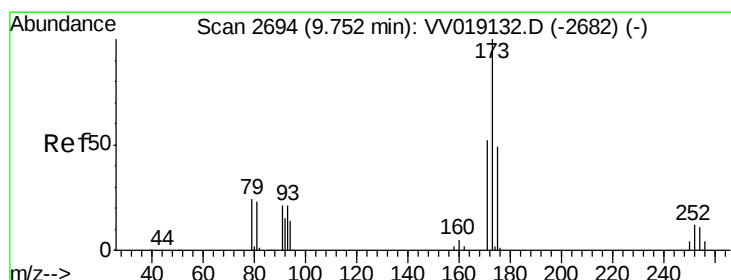
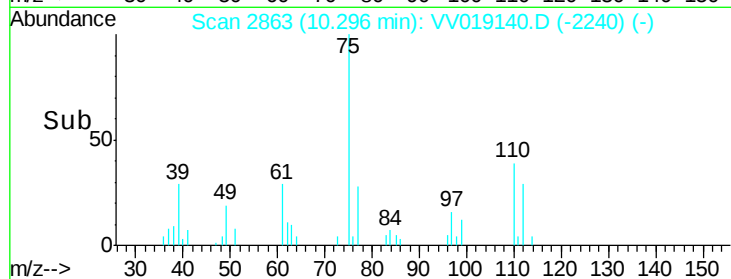
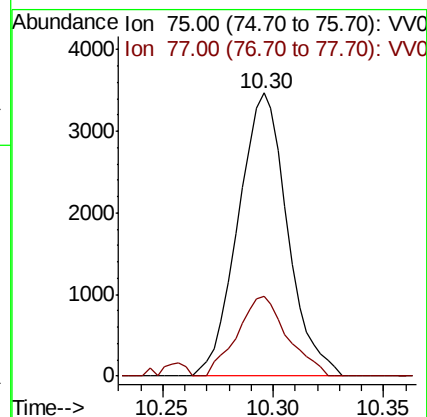
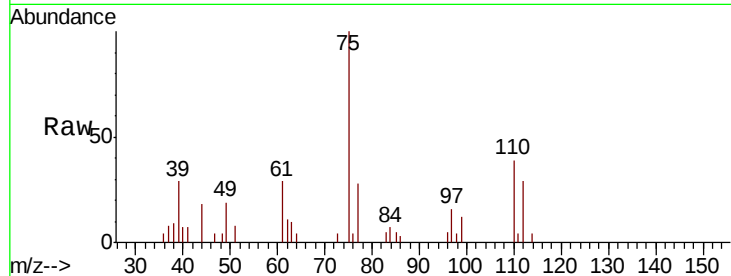
MDL05

Tot Ion: 75 Resp: 5386

Ion Ratio Lower Upper

75 100

77 28.5 25.9 38.9



#61

Bromoform

Concen: 2.695 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

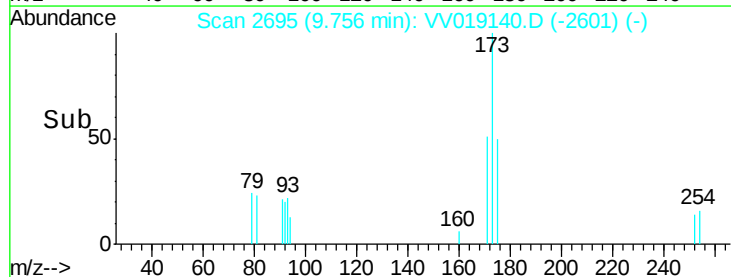
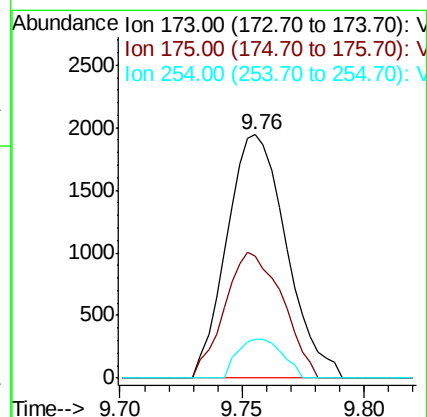
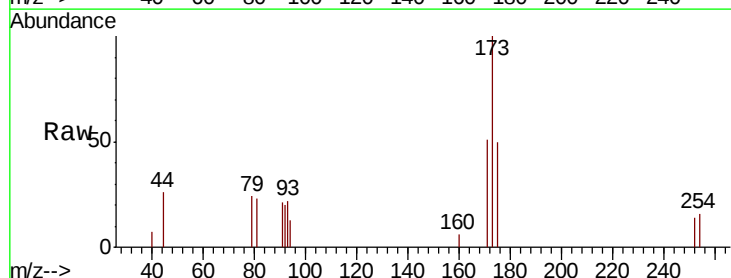
Tgt Ion: 173 Resp: 3297

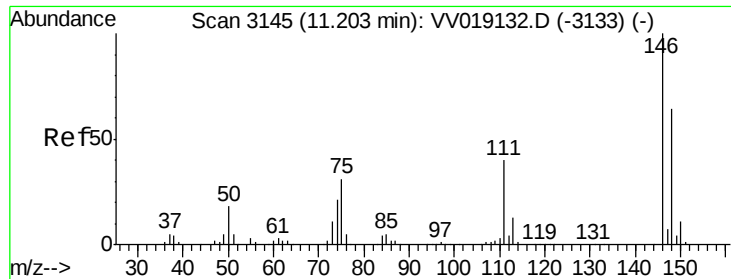
Ion Ratio Lower Upper

173 100

175 50.2 38.3 57.5

254 12.0 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 2.619 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

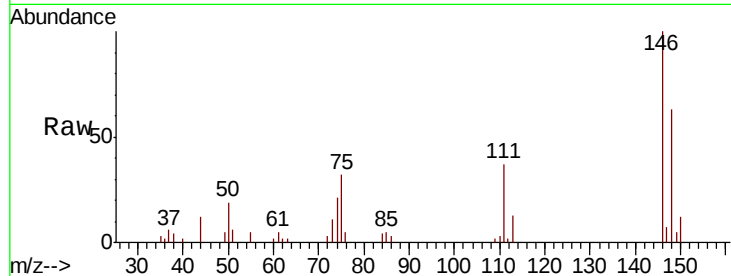
Tot Ion:146 Resp: 8537

Ion Ratio Lower Upper

146 100

111 37.2 28.8 53.4

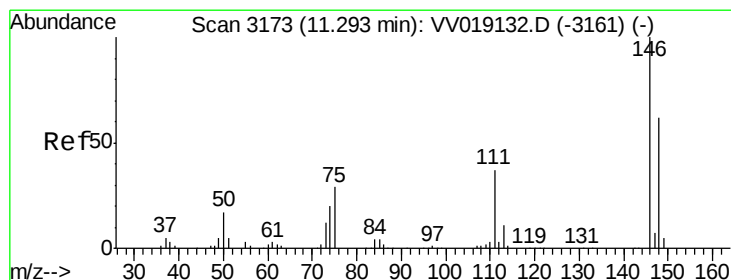
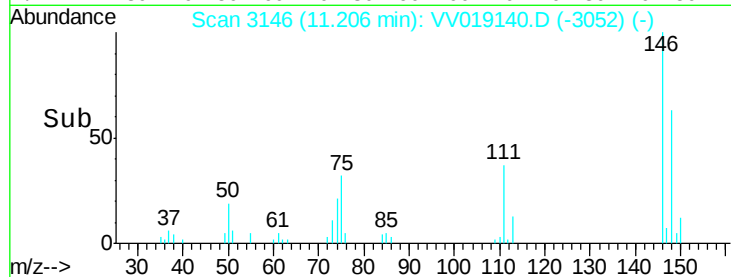
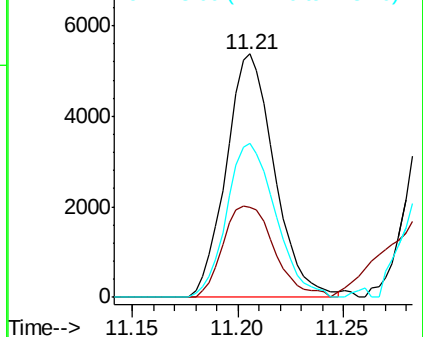
148 63.2 44.5 82.7



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: 2.694 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

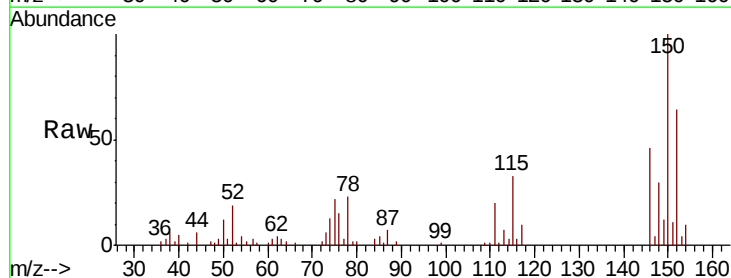
Tgt Ion:146 Resp: 9177

Ion Ratio Lower Upper

146 100

111 44.3 27.8 51.6

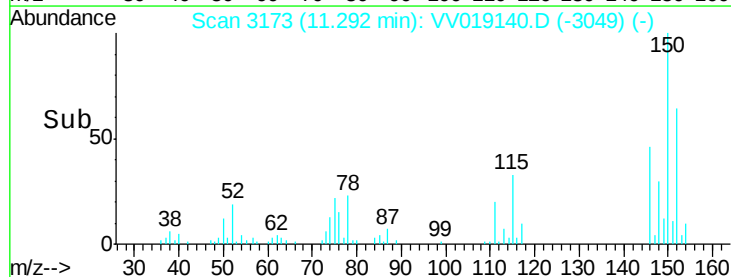
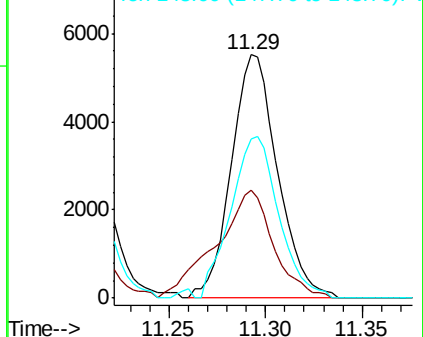
148 65.1 45.1 83.9

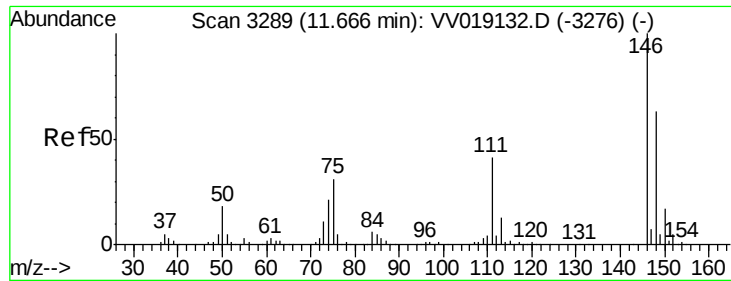


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.836 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampleId :

MDL05

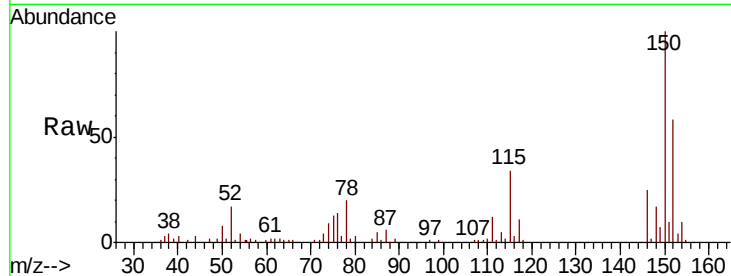
Tot Ion:146 Resp: 9320

Ion Ratio Lower Upper

146 100

111 48.1 33.3 49.9

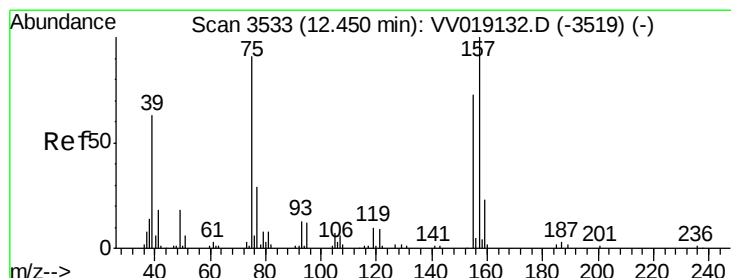
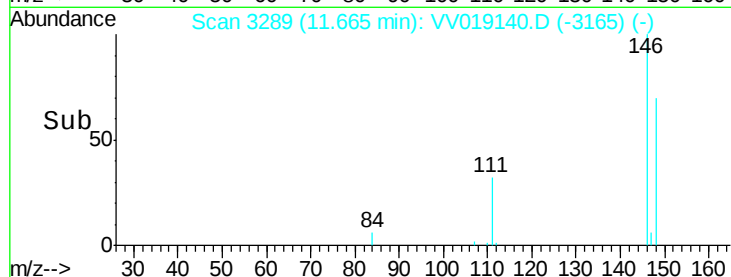
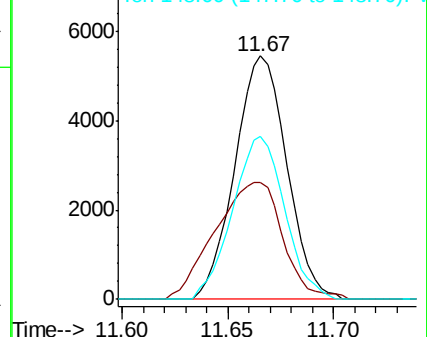
148 67.1 51.1 76.7



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: 2.599 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

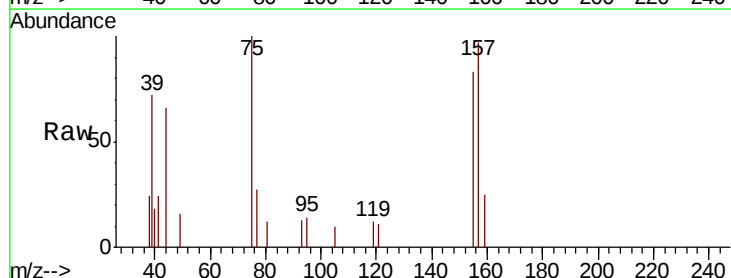
Tgt Ion: 75 Resp: 1509

Ion Ratio Lower Upper

75 100

155 83.2 62.2 93.4

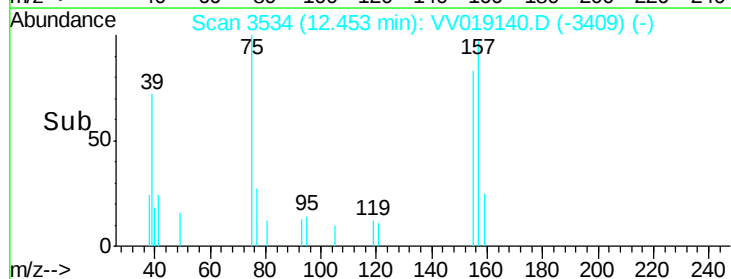
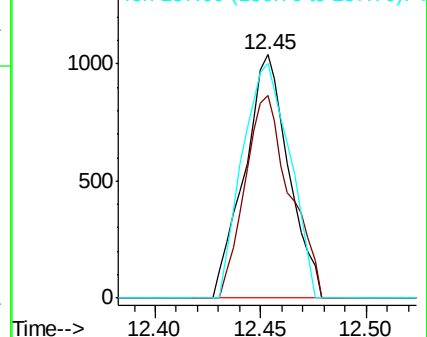
157 96.5 79.9 119.9

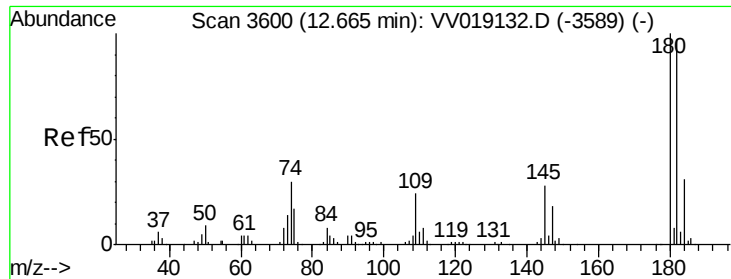


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

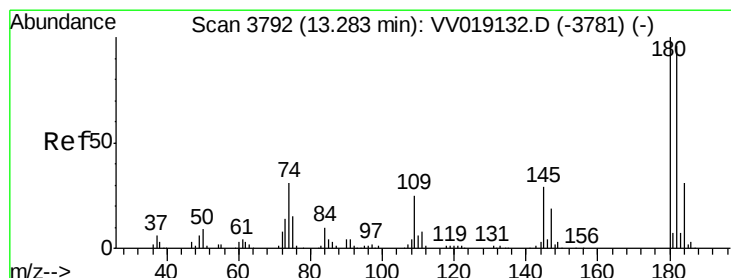
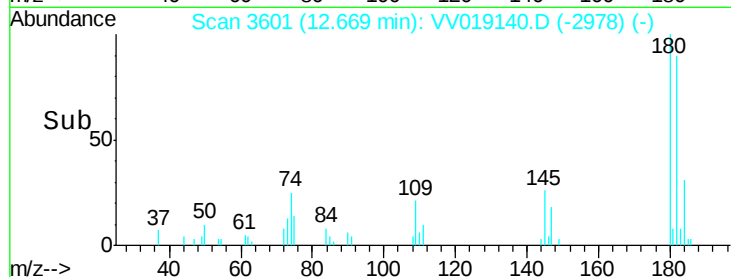
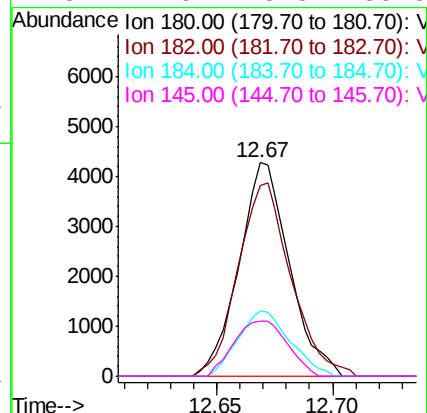
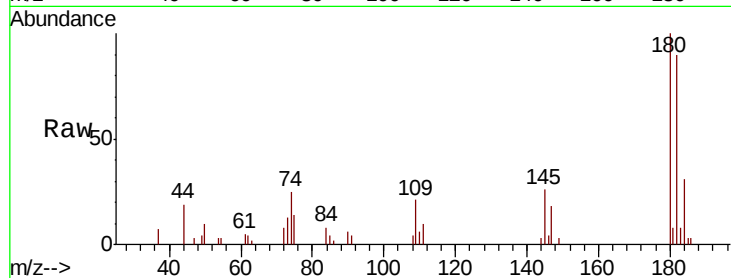




#67
 1,3,5-Trichlorobenzene
 Concen: 2.897 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

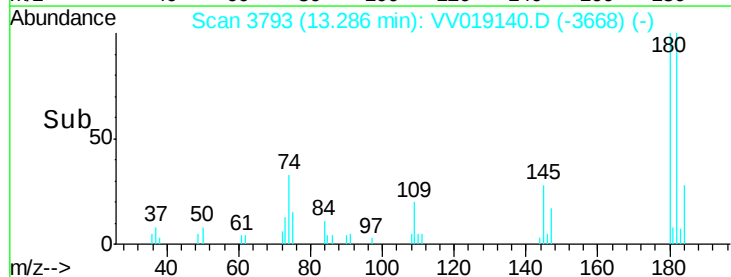
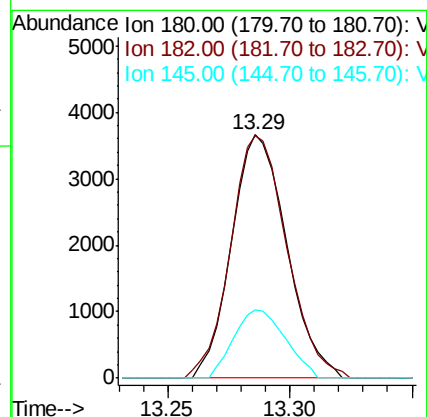
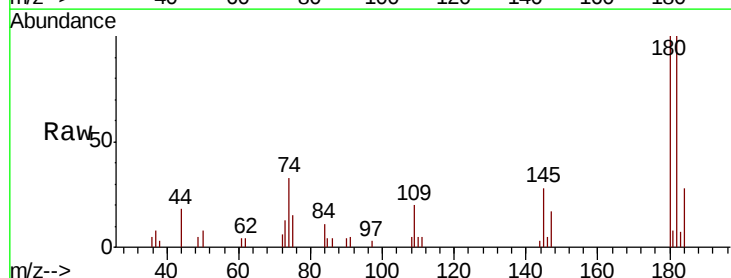
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

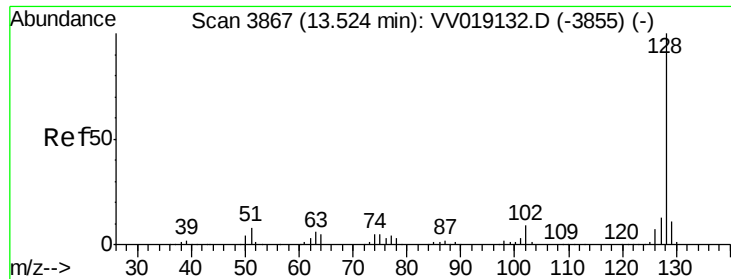
Tot Ion:180 Resp: 6449
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.4 116.0
 184 31.6 24.7 37.1
 145 27.5 23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 2.742 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019140.D
 Acq: 28 Oct 2020 17:33

Tgt Ion:180 Resp: 5756
 Ion Ratio Lower Upper
 180 100
 182 101.3 77.4 116.2
 145 26.0 23.7 35.5





#69

Naphthalene

Concen: 2.108 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

MDL05

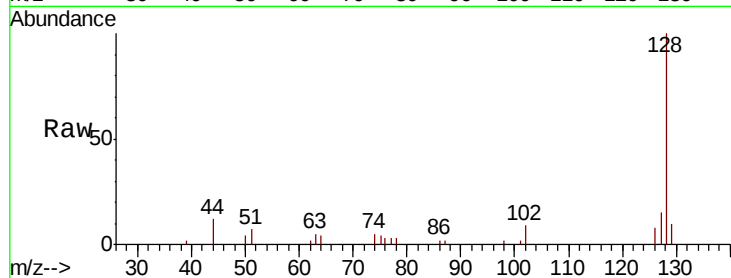
Tot Ion:128 Resp: 13635

Ion Ratio Lower Upper

128 100

127 14.7 10.6 15.8

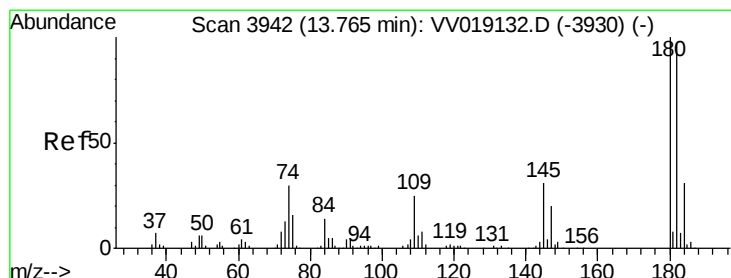
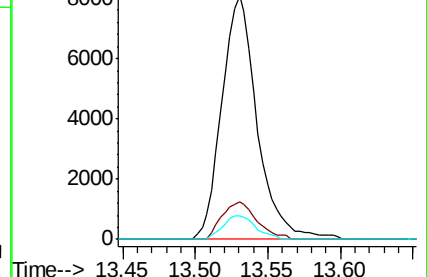
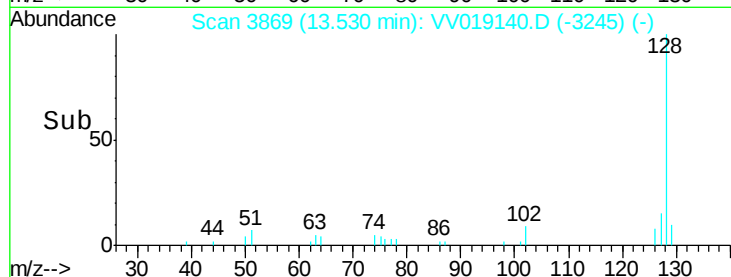
129 8.9 8.7 13.1



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: 2.521 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019140.D

Acq: 28 Oct 2020 17:33

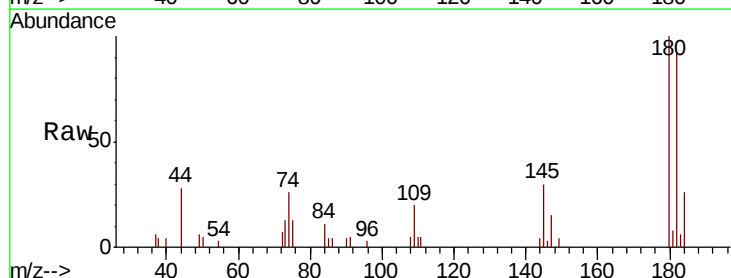
Tgt Ion:180 Resp: 5362

Ion Ratio Lower Upper

180 100

182 95.7 76.9 115.3

145 29.1 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

