

Data File : VV008897.D
Acq On : 11 Dec 2018 13:54
Operator : SY/MD
Sample : MDL05
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Dec 12 04:37:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 12 04:31:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	222665	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191575	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81134	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58613	25.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.76%
7) Chloroethane-d5	1.58	69	57253	33.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	134.52%
10) 1,1-Dichloroethene-d2	2.13	63	119389	20.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.88%
20) 2-Butanone-d5	3.94	46	48916	58.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.62%
24) Chloroform-d	4.40	84	131229	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	5.08	65	77242	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.76%
29) Benzene-d6	5.10	84	273458	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	6.12	67	78653	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.04%
37) Toluene-d8	7.36	98	246259	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	7.67	79	34010	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.36%
39) 2-Hexanone-d5	8.14	63	28964	52.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61746	24.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	74556	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5742	1.573 ug/L	95
3) Chloromethane	1.25	50	3594	1.433 ug/L	99
5) Vinyl chloride	1.32	62	3908	1.396 ug/L #	58
6) Bromomethane	1.53	94	2560	1.902 ug/L	87
8) Chloroethane	1.60	64	2998	1.912 ug/L	92
9) Trichlorofluoromethane	1.77	101	8001	1.668 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6187	1.881 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	5151	1.795 ug/L #	1
13) Acetone	2.20	43	4443	3.595 ug/L	89
14) Carbon disulfide	2.32	76	12177	1.321 ug/L	95
15) Methyl Acetate	2.46	43	2328	1.485 ug/L #	71
16) Methylene chloride	2.54	84	10726	2.861 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	8970	1.376 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	4319	1.393 ug/L	93
19) 1,1-Dichloroethane	3.23	63	6394	1.272 ug/L	95
21) 2-Butanone	4.03	43	1776	1.533 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	1718	0.531 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

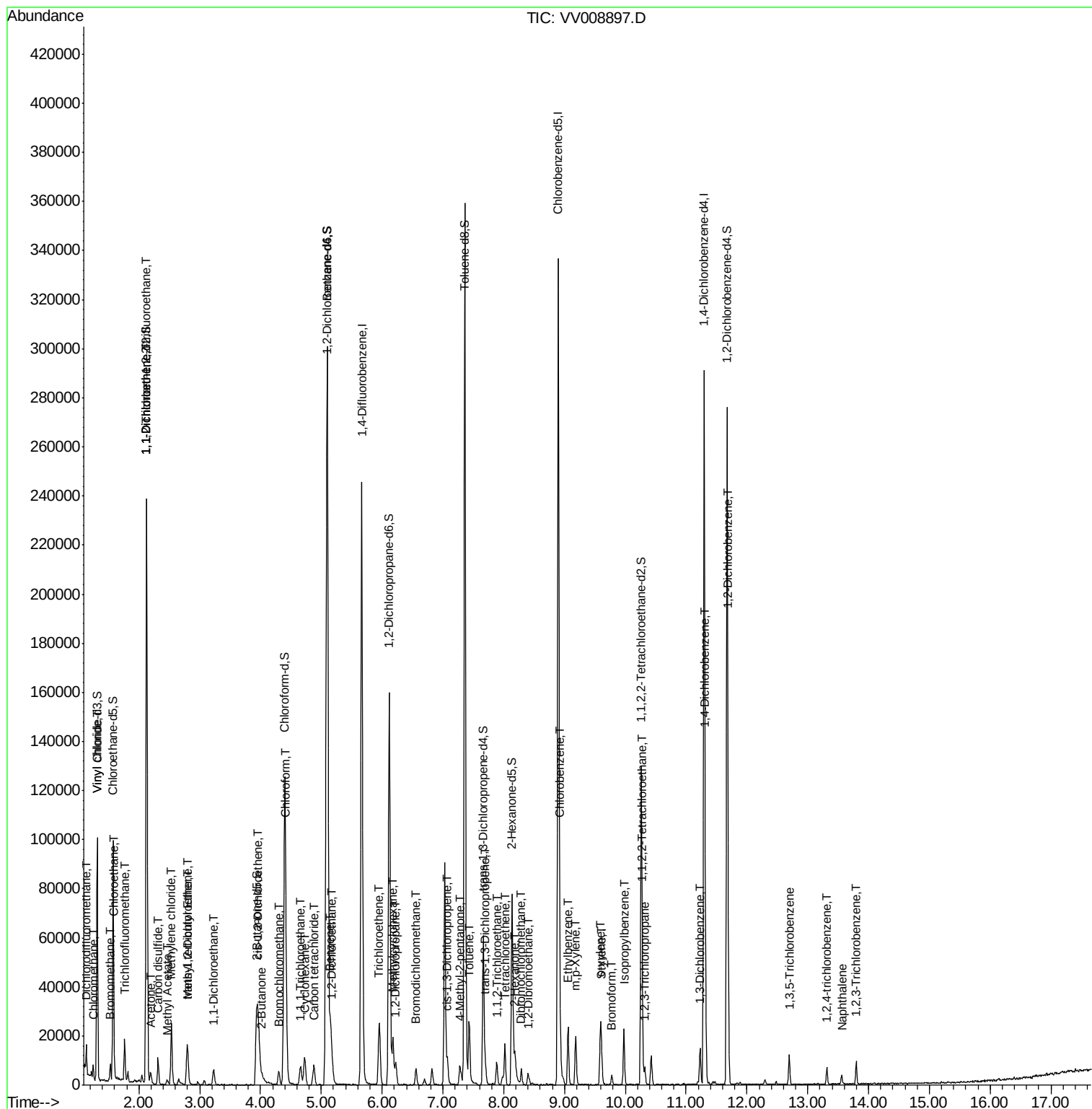
23) Bromochloromethane	4.30	128	1105	0.725	ug/L #	94
25) Chloroform	4.42	83	9025	1.673	ug/L	78
27) 1,2-Dichloroethane	5.18	62	5194	1.413	ug/L	99
30) Cyclohexane	4.72	56	3133	0.649	ug/L #	6
31) 1,1,1-Trichloroethane	4.66	97	6688	1.354	ug/L	97
32) Carbon tetrachloride	4.88	117	6027	1.337	ug/L	99
34) Benzene	5.15	78	15362	1.338	ug/L	100
35) Trichloroethene	5.96	95	5137	1.485	ug/L	97
36) Methylcyclohexane	6.18	83	7663	1.389	ug/L #	93
40) 1,2-Dichloropropane	6.23	63	3960	1.438	ug/L #	91
41) Bromodichloromethane	6.56	83	4793	1.320	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	5858	1.453	ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	5628	3.023	ug/L	94
44) Toluene	7.43	91	17804	1.479	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	4654	1.324	ug/L	90
46) 1,1,2-Trichloroethane	7.88	97	3017	1.314	ug/L	90
47) Tetrachloroethene	8.02	164	3685	1.309	ug/L	96
49) 2-Hexanone	8.19	43	5803	3.767	ug/L #	51
50) Dibromochloromethane	8.29	129	3368	1.280	ug/L	91
51) 1,2-Dibromoethane	8.40	107	3164	1.373	ug/L #	96
52) Chlorobenzene	8.93	112	10956	1.398	ug/L	96
53) Ethylbenzene	9.06	91	16773	1.284	ug/L	96
54) m,p-Xylene	9.18	106	6282	1.271	ug/L	98
55) o-xylene	9.59	106	5613	1.222	ug/L	92
56) Styrene	9.61	104	8780	1.185	ug/L	95
57) Isopropylbenzene	9.98	105	15473	1.239	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3639	1.467	ug/L #	75
59) 1,2,3-Trichloropropane	10.32	75	3423	1.594	ug/L	98
62) Bromoform	9.78	173	1981	1.352	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	6949	1.329	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	7354	1.367	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	6965	1.445	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	4265	1.129	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2608	0.986	ug/L	98
69) Naphthalene	13.56	128	4019	0.882	ug/L #	79
70) 1,2,3-Trichlorobenzene	13.80	180	2221	0.909	ug/L	96

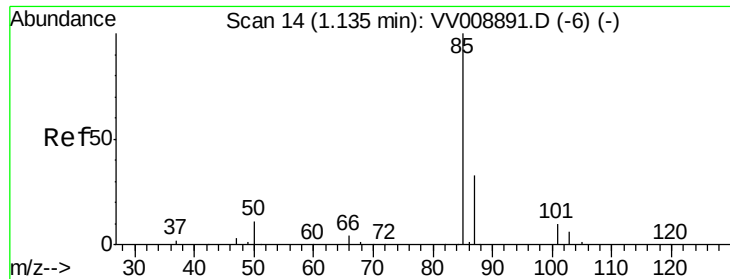
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.573 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampled :

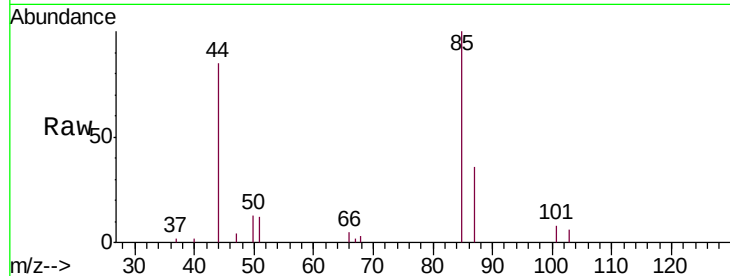
MDL05

Tgt Ion: 85 Resp: 5742

Ion Ratio Lower Upper

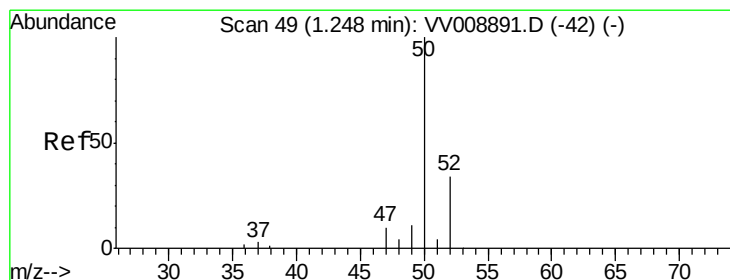
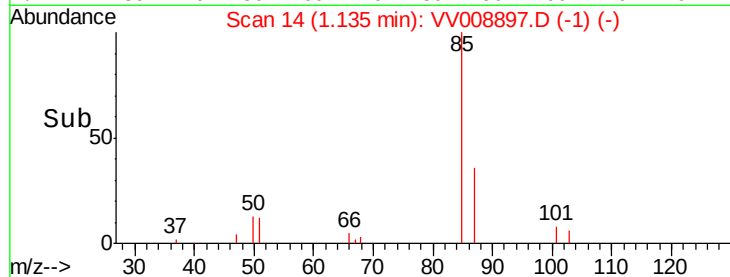
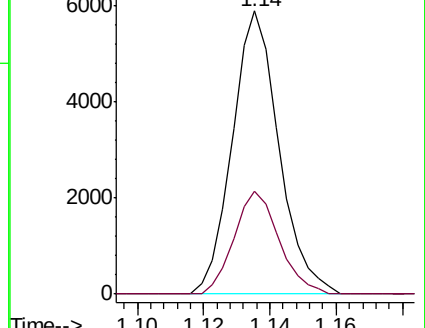
85 100

87 35.0 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008897.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008897.D (-6) (-)



#3

Chloromethane

Concen: 1.433 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008897.D

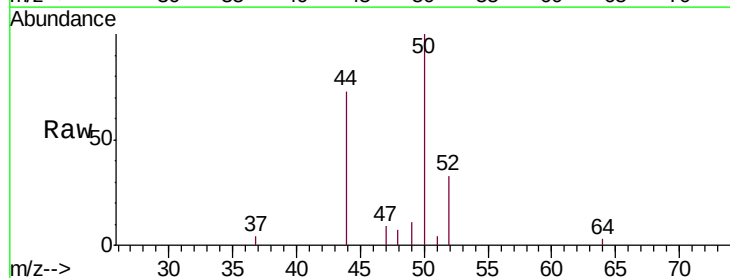
Acq: 11 Dec 2018 13:54

Tgt Ion: 50 Resp: 3594

Ion Ratio Lower Upper

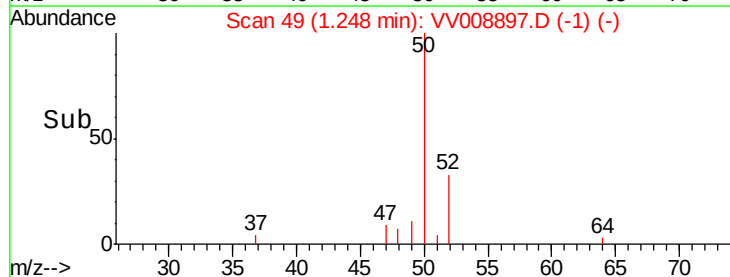
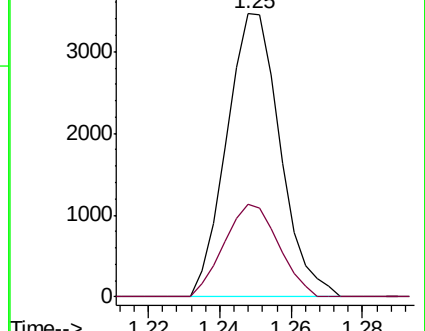
50 100

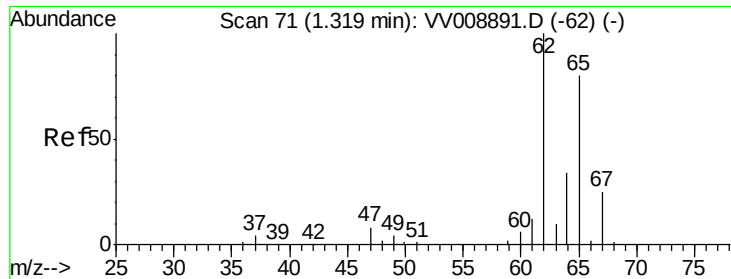
52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008897.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008897.D (-42) (-)





#5

Vinyl chloride

Concen: 1.396 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

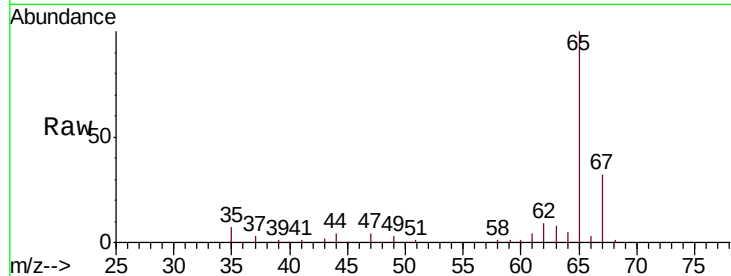
MDL05

Tgt Ion: 62 Resp: 3908

Ion Ratio Lower Upper

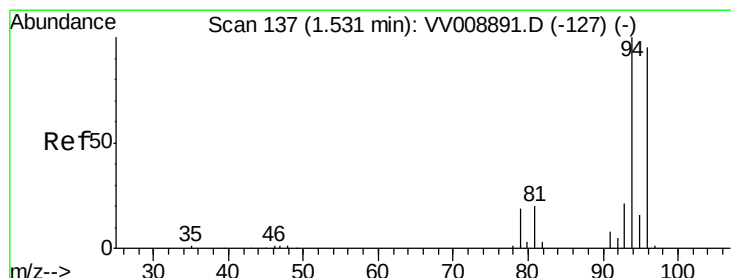
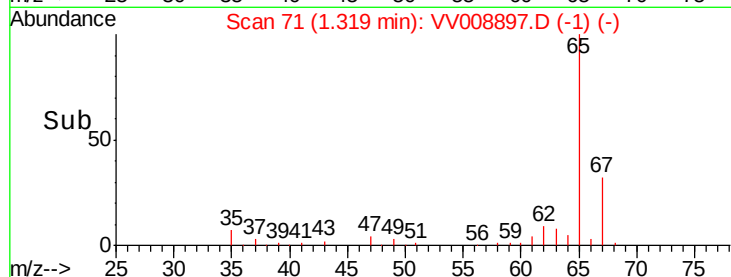
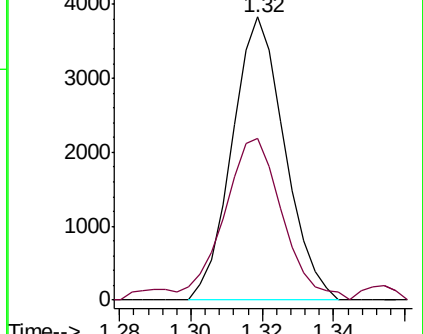
62 100

64 57.1 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.902 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV008897.D

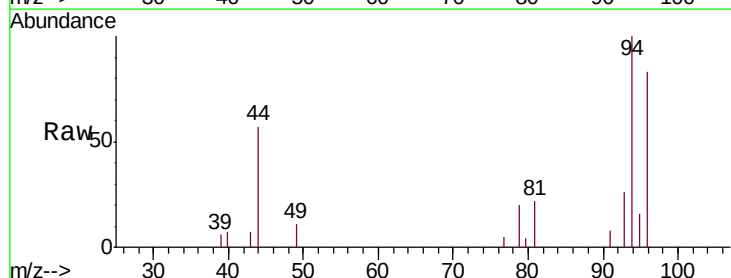
Acq: 11 Dec 2018 13:54

Tgt Ion: 94 Resp: 2560

Ion Ratio Lower Upper

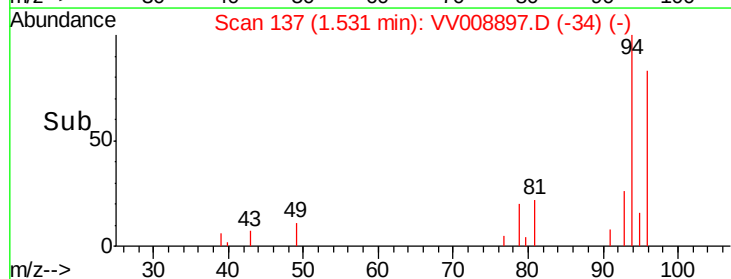
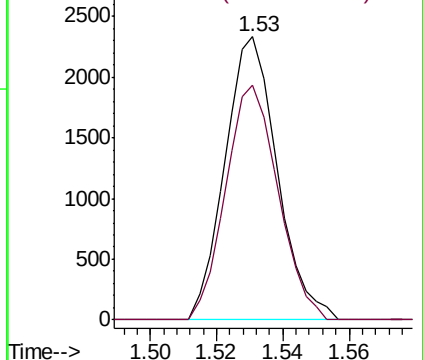
94 100

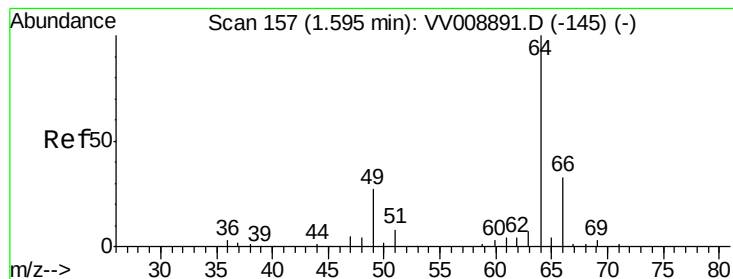
96 82.9 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.912 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampled :

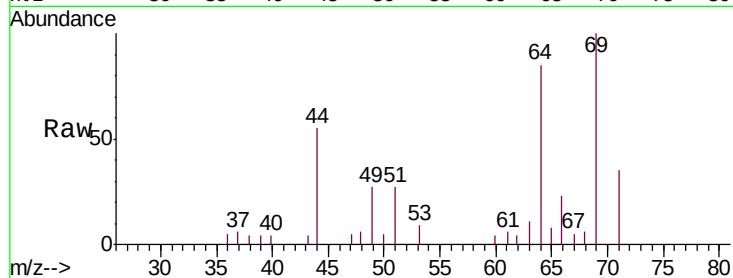
MDL05

Tgt Ion: 64.00 Resp: 2998

Ion Ratio Lower Upper

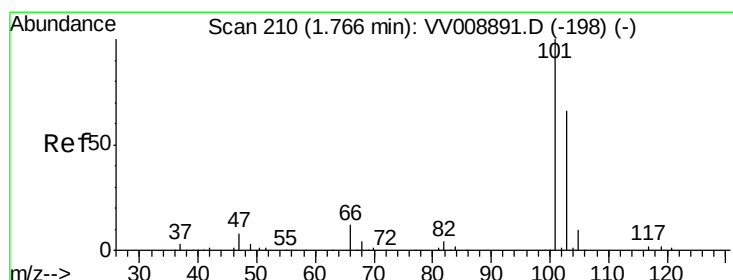
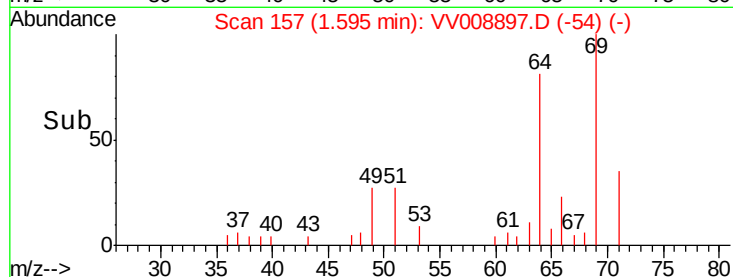
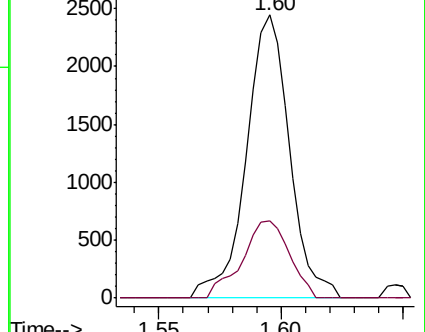
64 100

66 27.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008897.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008897.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 1.668 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008897.D

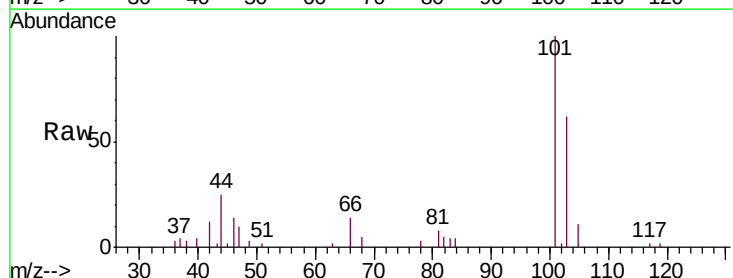
Acq: 11 Dec 2018 13:54

Tgt Ion: 101 Resp: 8001

Ion Ratio Lower Upper

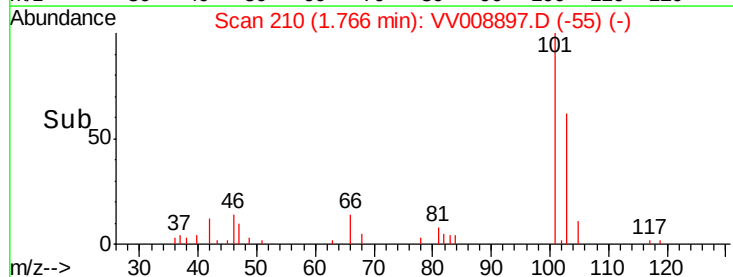
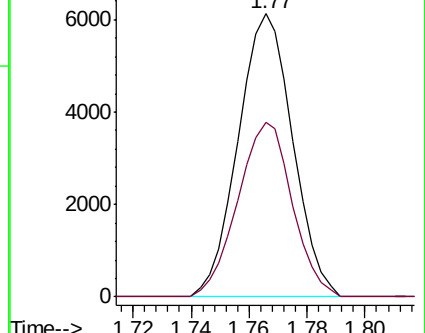
101 100

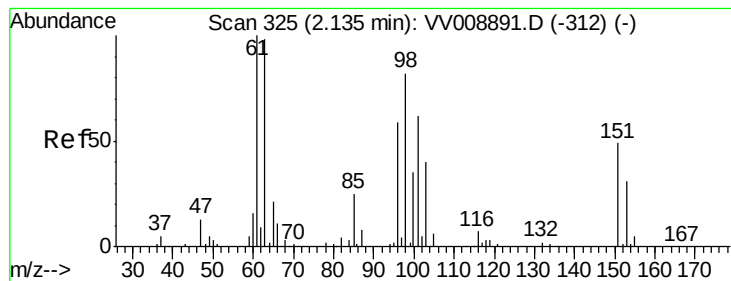
103 61.5 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008897.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008897.D (-198) (-)





#11

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

Concen: 1.881 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL05

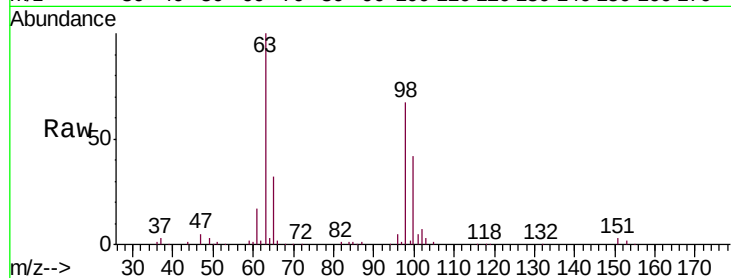
Tgt Ion: 101 Resp: 6187

Ion Ratio Lower Upper

101 100

85 30.1 32.5 48.7#

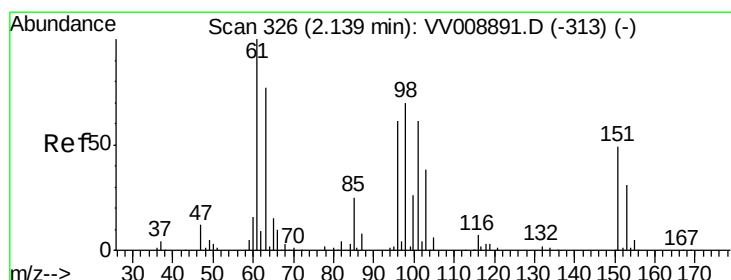
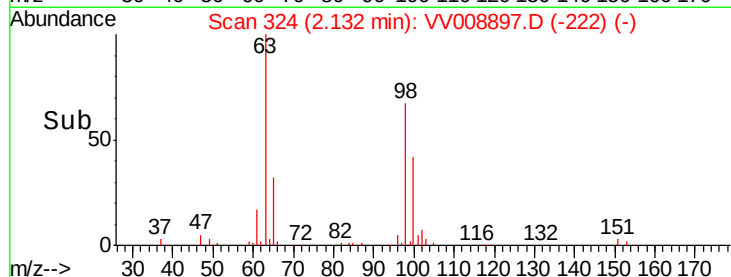
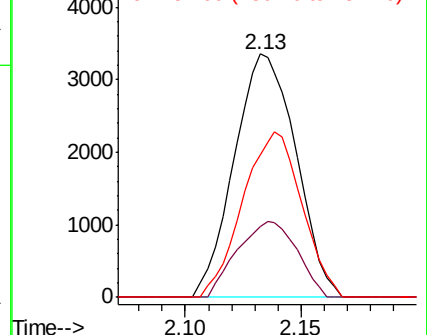
151 65.0 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008897.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV008897.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV008897.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 1.795 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

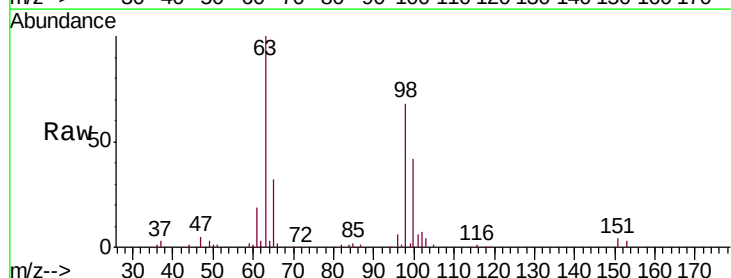
Tgt Ion: 96 Resp: 5151

Ion Ratio Lower Upper

96 100

61 321.3 114.0 211.6#

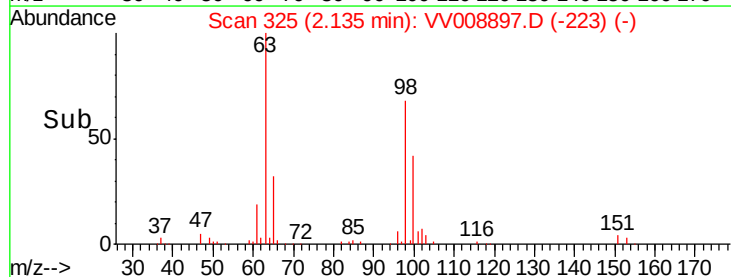
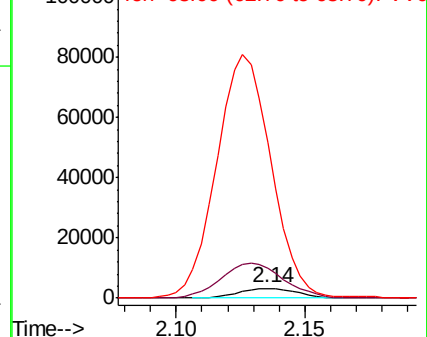
63 1651.3 82.4 153.0#

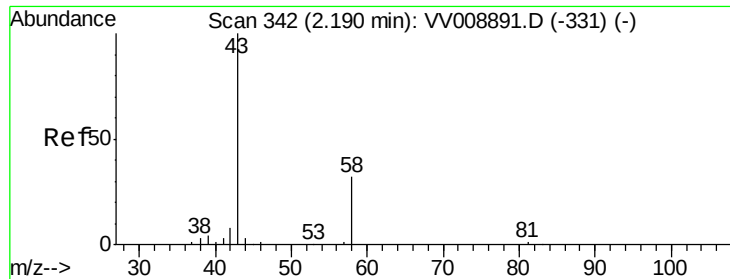


Abundance Ion 96.00 (95.70 to 96.70): VV008897.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV008897.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV008897.D (-223) (-)





#13

Acetone

Concen: 3.595 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampled :

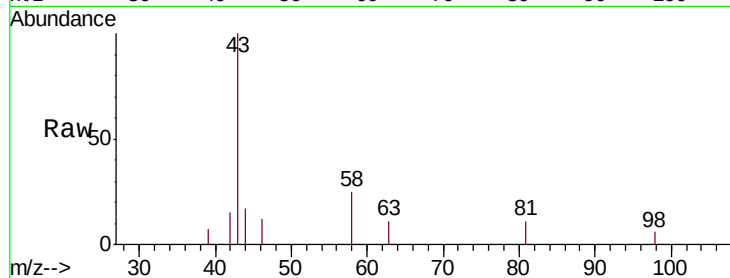
MDL05

Tgt Ion: 43 Resp: 4443

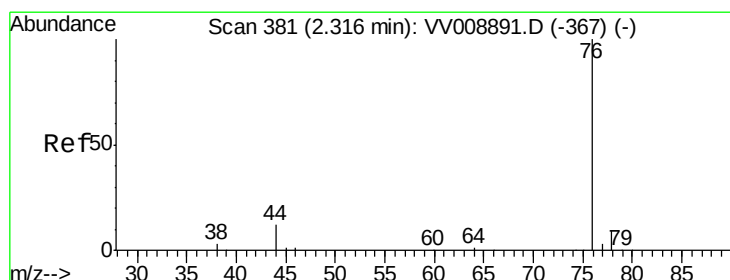
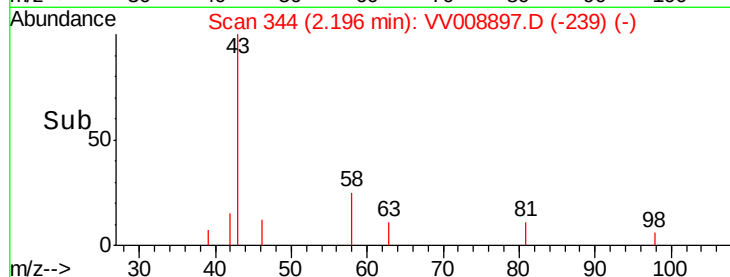
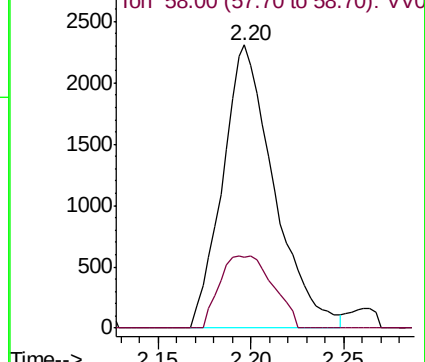
Ion Ratio Lower Upper

43 100

58 26.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008897.D (-239) (-)



#14

Carbon disulfide

Concen: 1.321 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008897.D

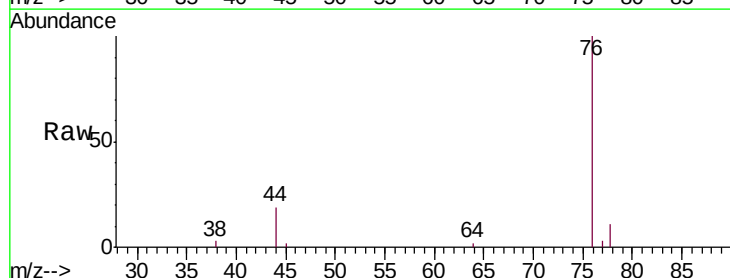
Acq: 11 Dec 2018 13:54

Tgt Ion: 76 Resp: 12177

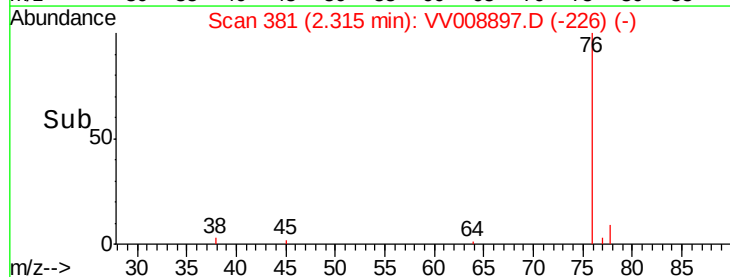
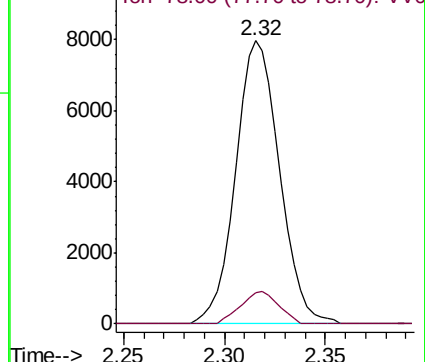
Ion Ratio Lower Upper

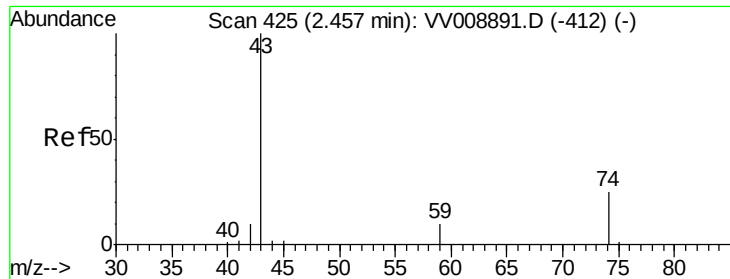
76 100

78 10.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008897.D (-226) (-)





#15

Methyl Acetate

Concen: 1.485 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

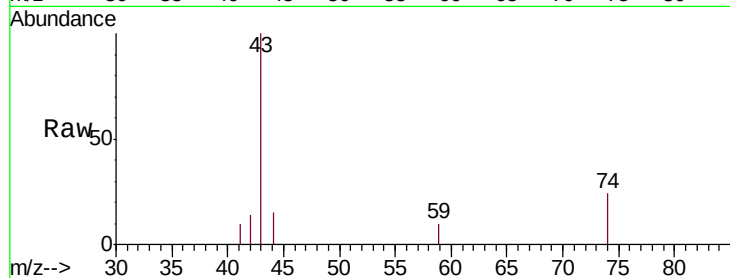
MDL05

Tgt Ion: 43 Resp: 2328

Ion Ratio Lower Upper

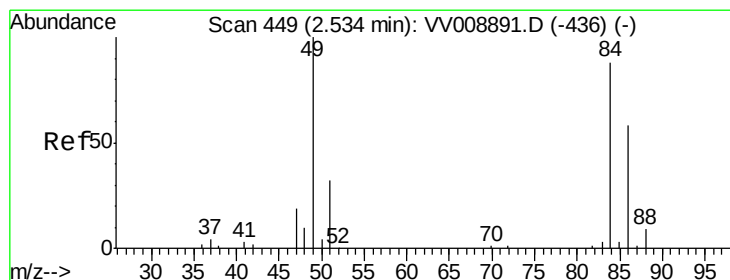
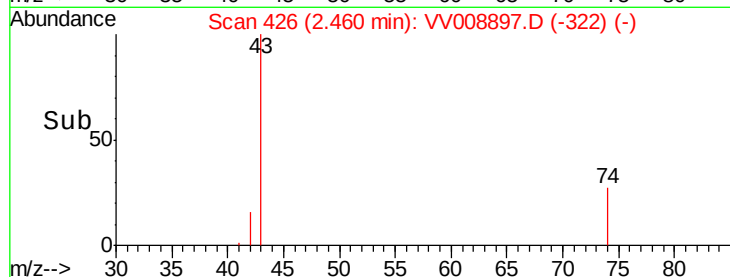
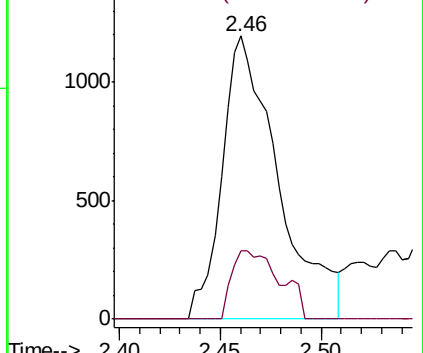
43 100

74 10.1 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VV008897.D (-322) (-)

Ion 74.00 (73.70 to 74.70): VV008897.D (-322) (-)



#16

Methylene chloride

Concen: 2.861 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

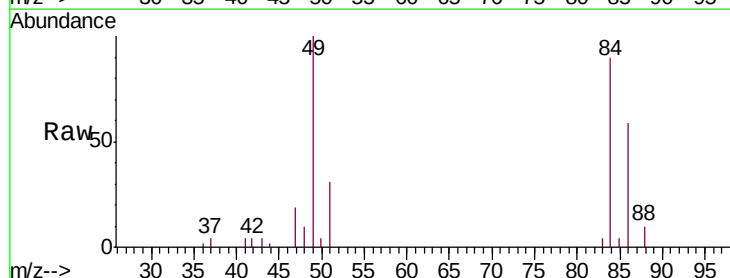
Tgt Ion: 84 Resp: 10726

Ion Ratio Lower Upper

84 100

49 110.8 80.5 149.5

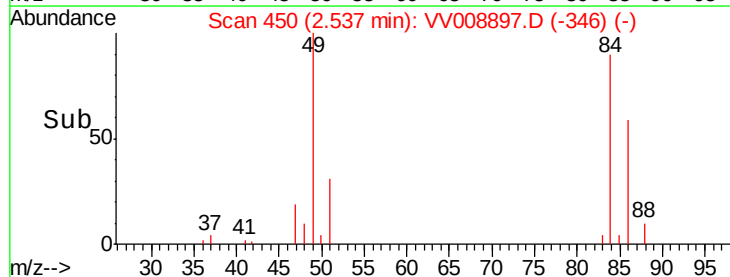
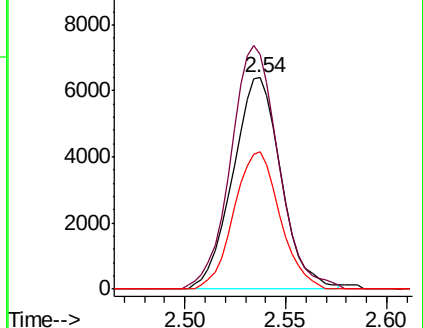
86 64.9 45.5 84.5

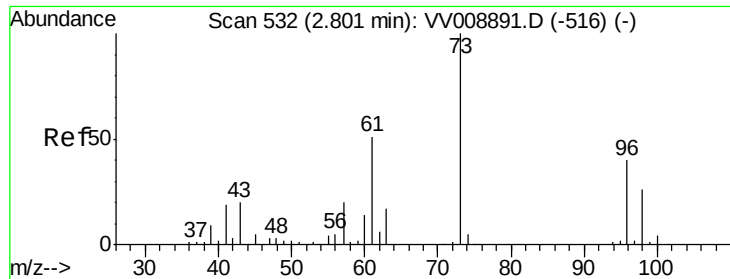


Abundance Ion 84.00 (83.70 to 84.70): VV008897.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV008897.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV008897.D (-346) (-)

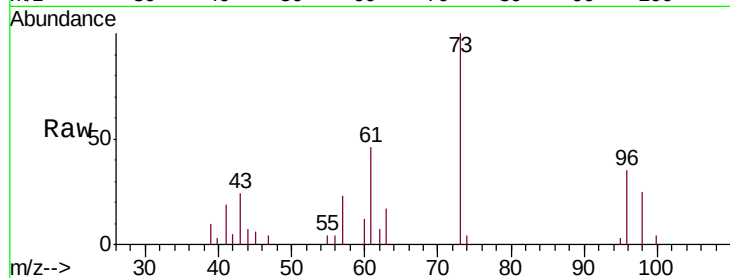




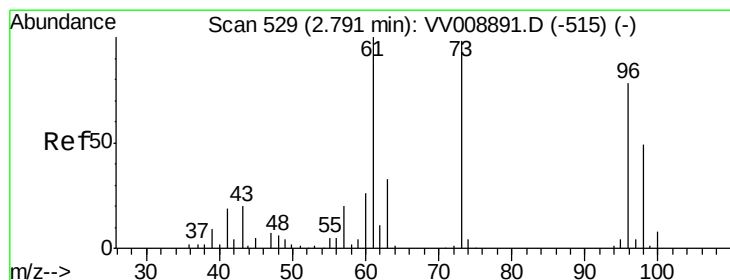
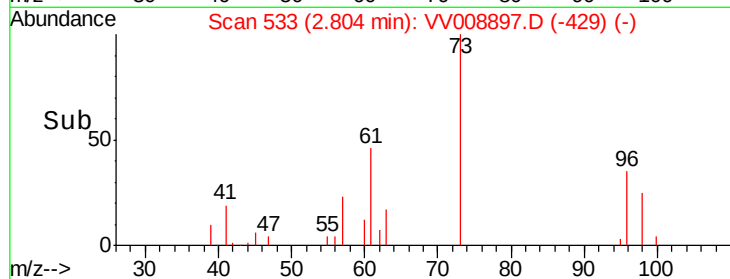
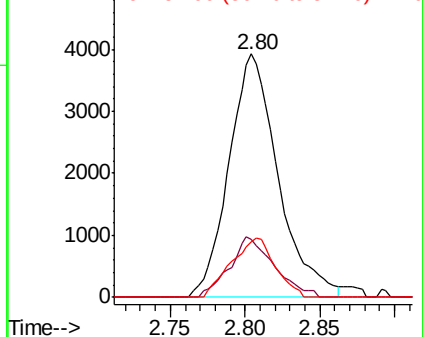
#17
Methyl tert-butyl Ether
Concen: 1.376 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 73 Resp: 8970
Ion Ratio Lower Upper
73 100
43 22.0 14.9 22.3
57 21.9 16.0 24.0

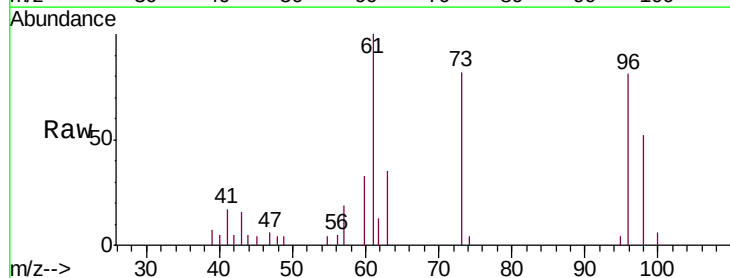


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

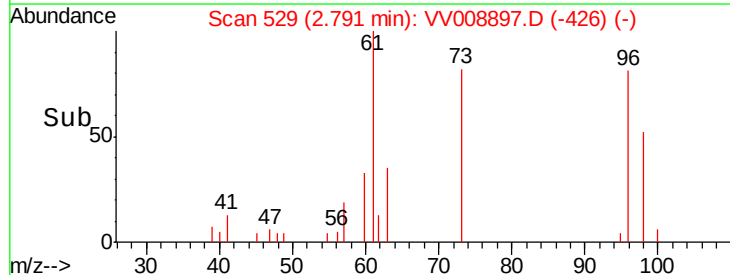
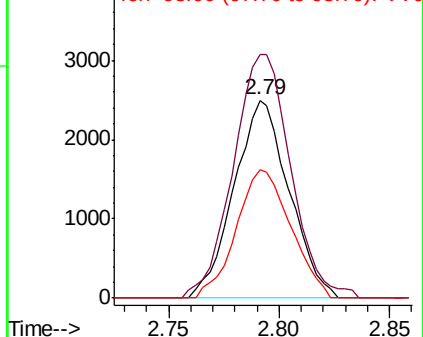


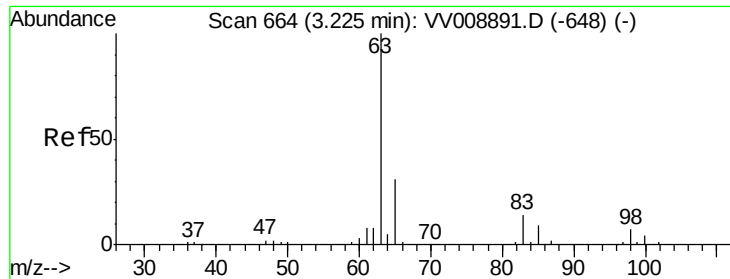
#18
trans-1,2-Dichloroethene
Concen: 1.393 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Tgt Ion: 96 Resp: 4319
Ion Ratio Lower Upper
96 100
61 123.3 94.6 175.8
98 64.7 45.3 84.1



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

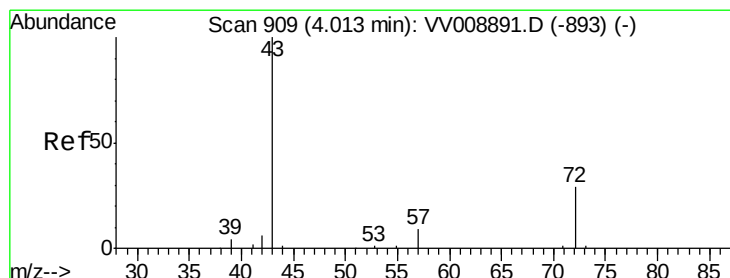
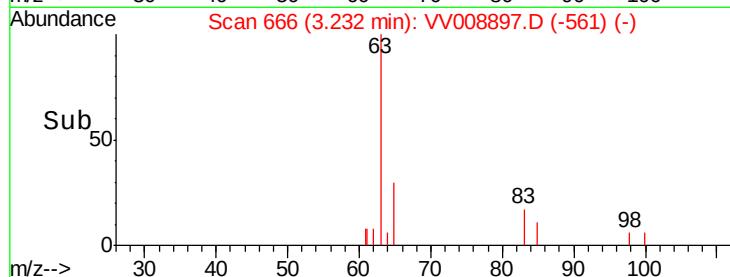
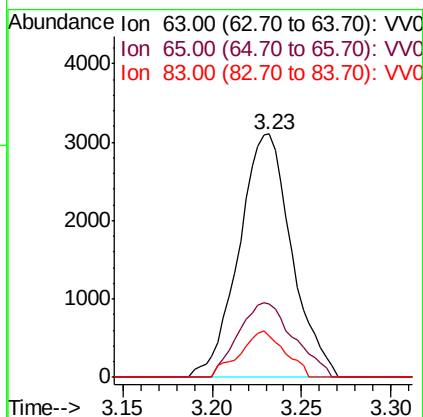
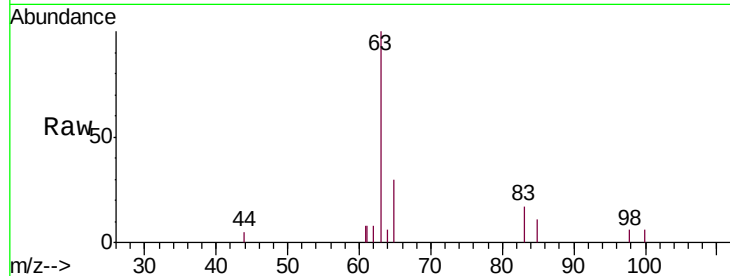




#19
 1,1-Dichloroethane
 Concen: 1.272 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

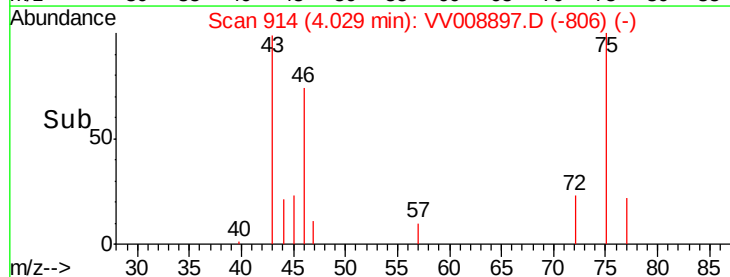
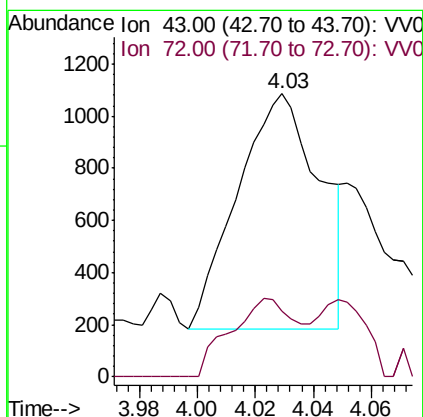
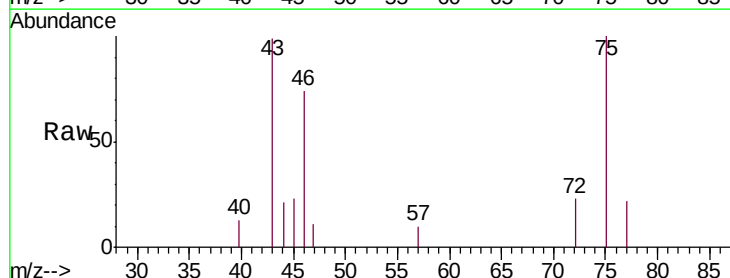
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

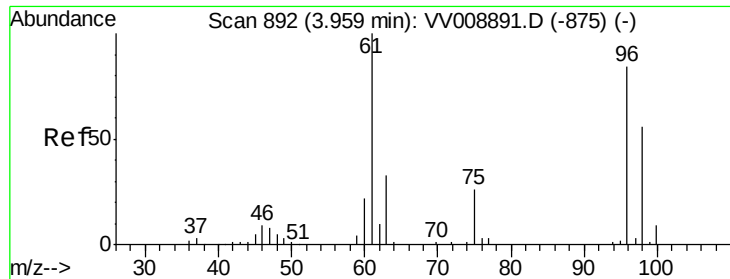
Tgt Ion: 63 Resp: 6394
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.7 42.1
 83 17.2 10.2 19.0



#21
 2-Butanone
 Concen: 1.533 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion: 43 Resp: 1776
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.7 41.1



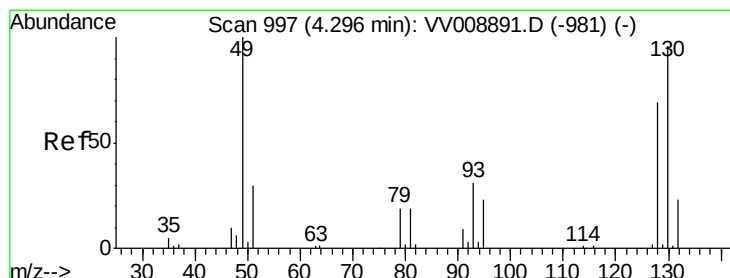
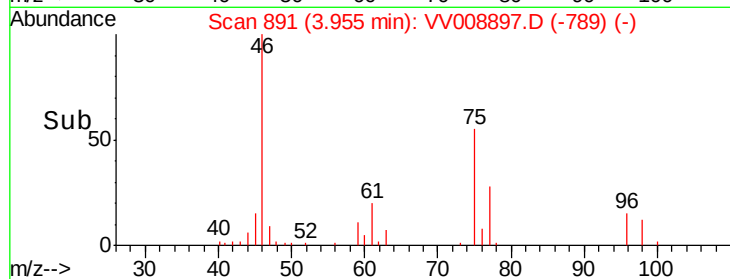
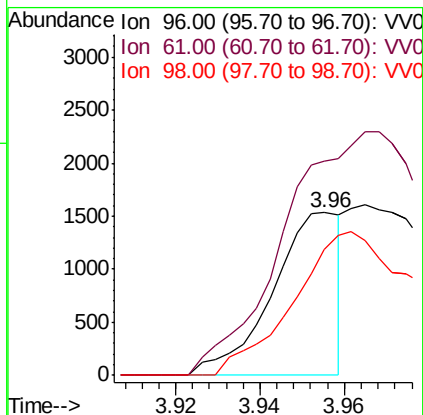
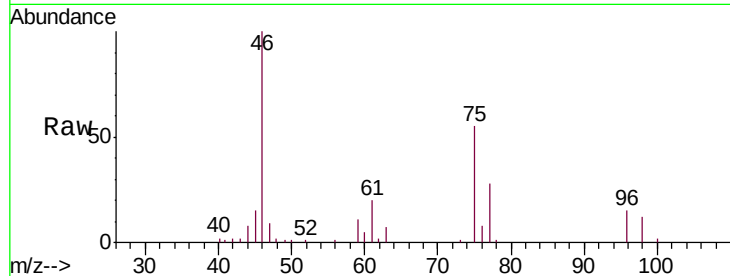


#22

cis-1,2-Dichloroethene
 Concen: 0.531 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

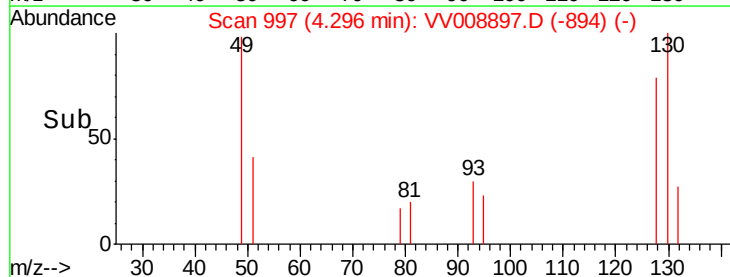
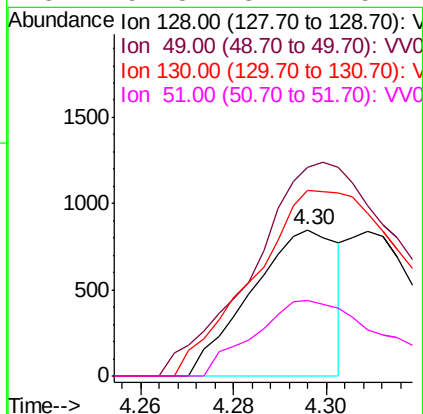
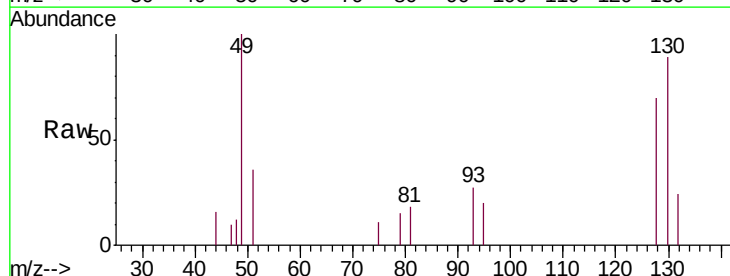
Tgt Ion: 96 Resp: 1718
 Ion Ratio Lower Upper
 96 100
 61 131.6 86.2 160.0
 98 77.6 45.6 84.6

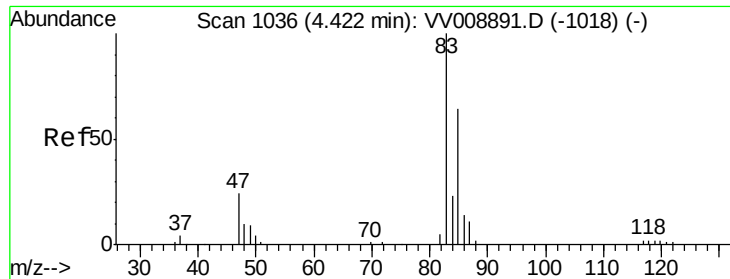


#23

Bromochloromethane
 Concen: 0.725 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion: 128 Resp: 1105
 Ion Ratio Lower Upper
 128 100
 49 142.9 93.8 174.2
 130 127.2 90.4 168.0
 51 51.8 34.2 51.4#

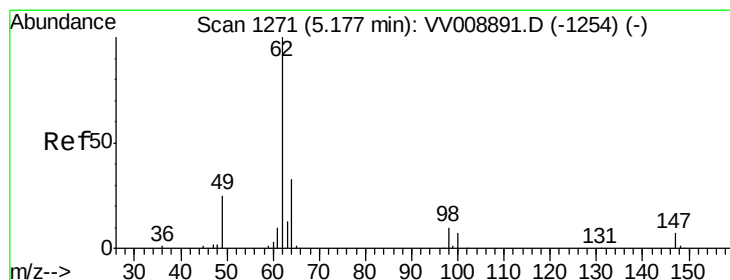
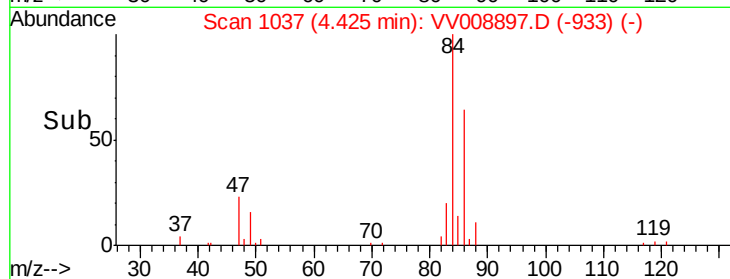
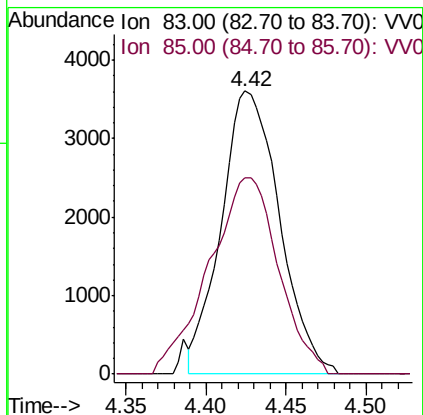
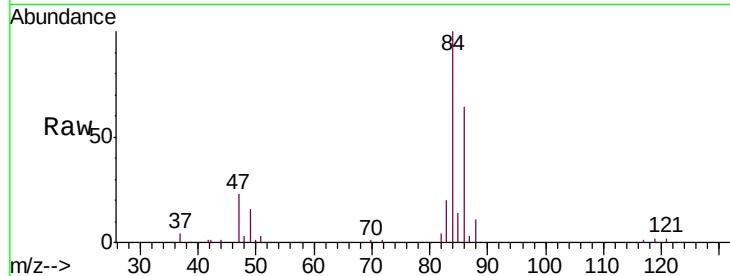




#25
Chloroform
Concen: 1.673 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

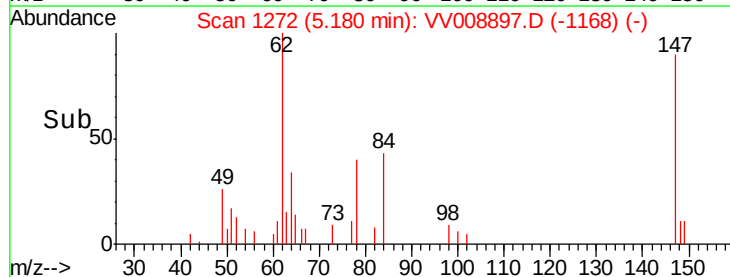
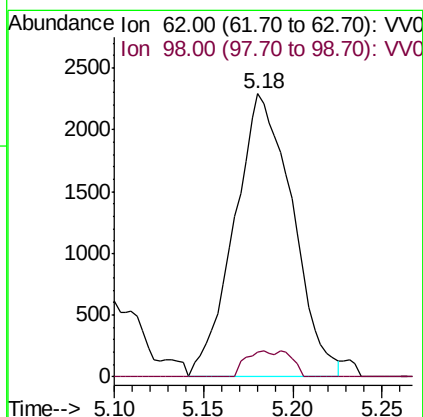
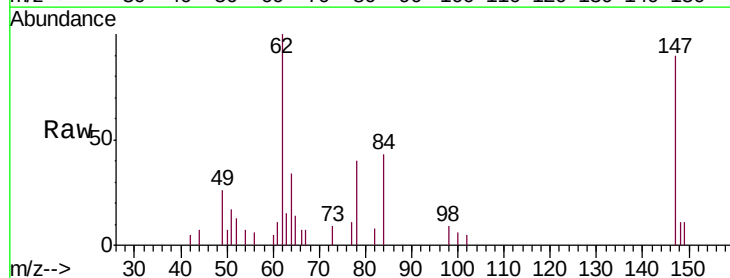
Instrument :
MSVOA_V
ClientSampled :
MDL05

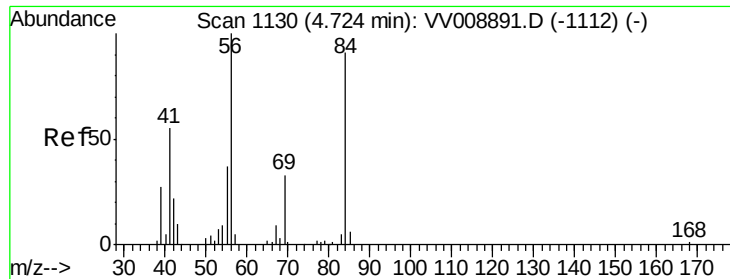
Tgt Ion: 83 Resp: 9025
Ion Ratio Lower Upper
83 100
85 82.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 1.413 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Tgt Ion: 62 Resp: 5194
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

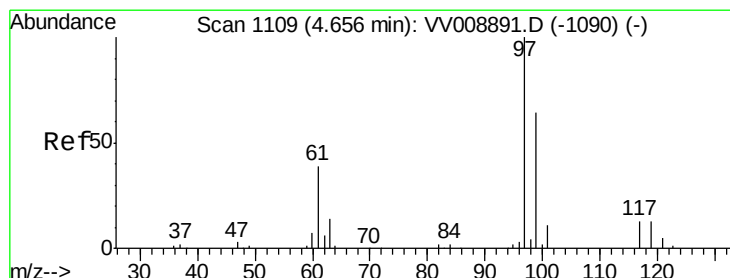
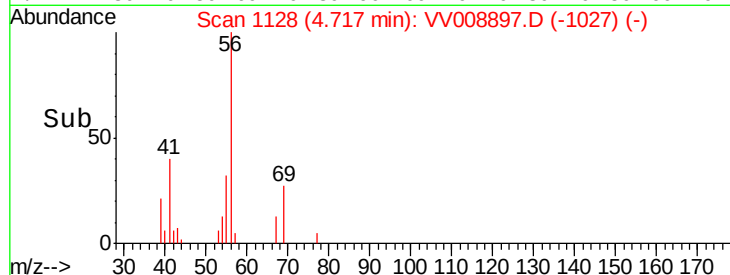
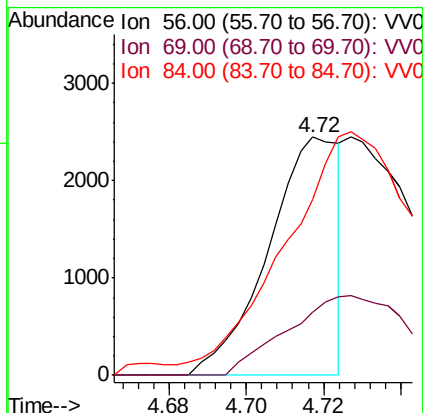
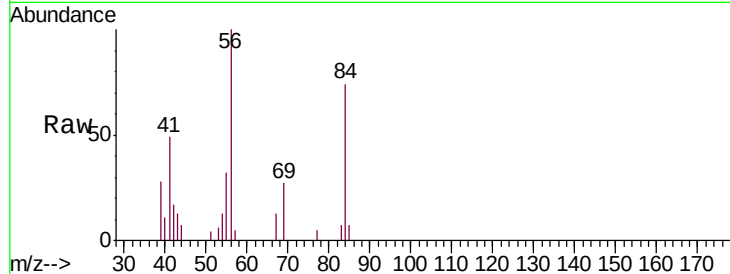




#30
Cyclohexane
Concen: 0.649 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

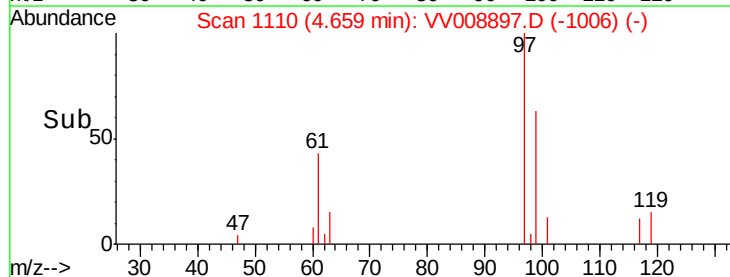
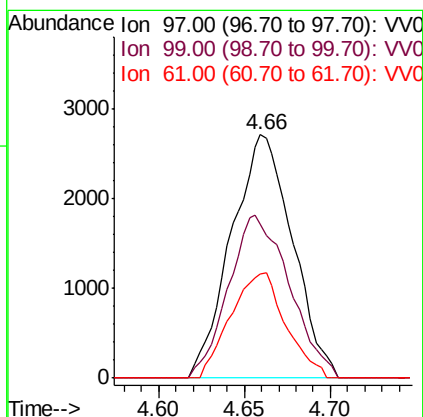
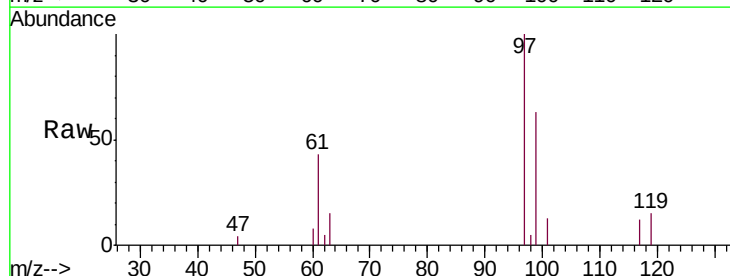
Instrument :
MSVOA_V
ClientSampleId :
MDL05

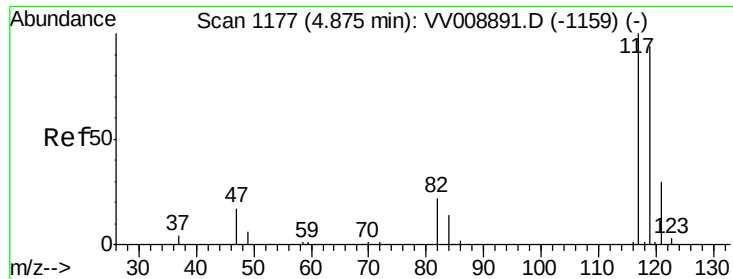
Tgt Ion: 56 Resp: 3133
Ion Ratio Lower Upper
56 100
69 59.0 25.8 38.8#
84 196.5 73.0 109.6#



#31
1,1,1-Trichloroethane
Concen: 1.354 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Tgt Ion: 97 Resp: 6688
Ion Ratio Lower Upper
97 100
99 66.9 51.9 77.9
61 39.1 33.1 49.7





#32

Carbon tetrachloride

Concen: 1.337 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

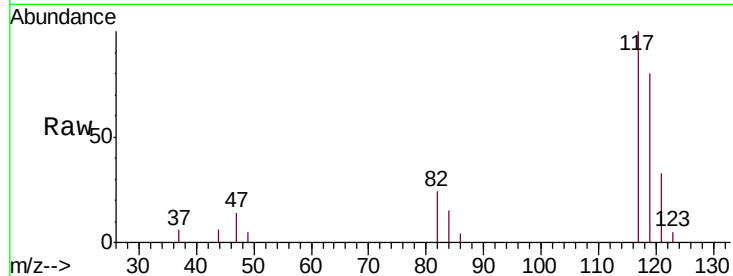
MDL05

Tgt Ion:117 Resp: 6027

Ion Ratio Lower Upper

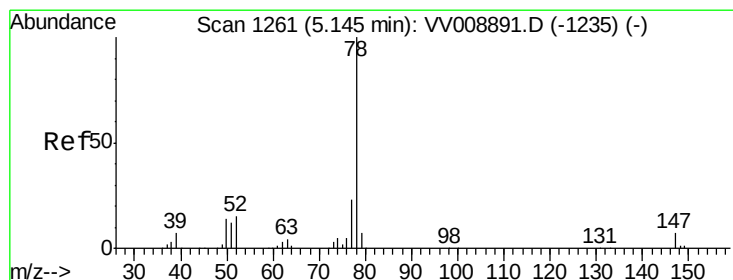
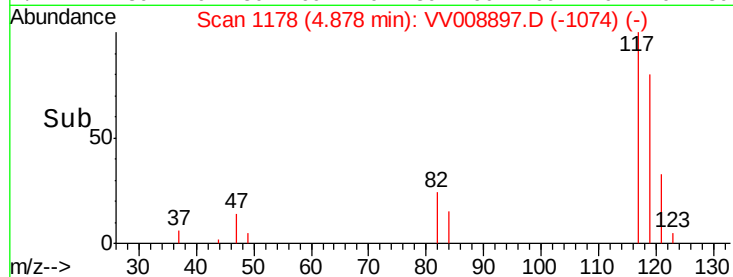
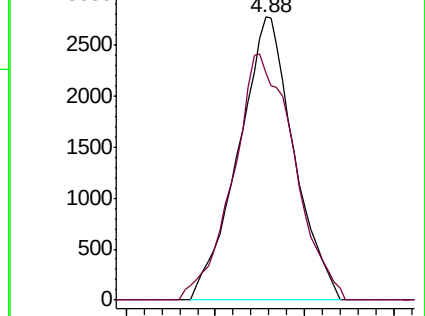
117 100

119 95.5 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.338 ug/L

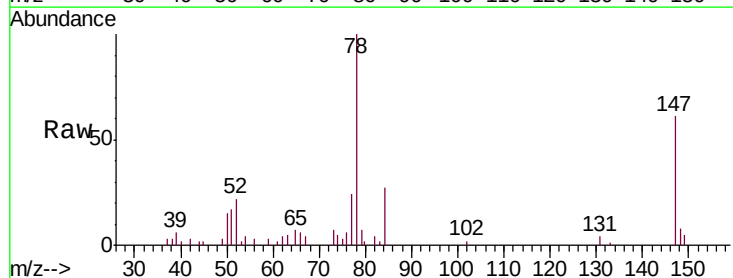
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Tgt Ion: 78 Resp: 15362



Abundance Ion 78.00 (77.70 to 78.70): VV0

8000

6000

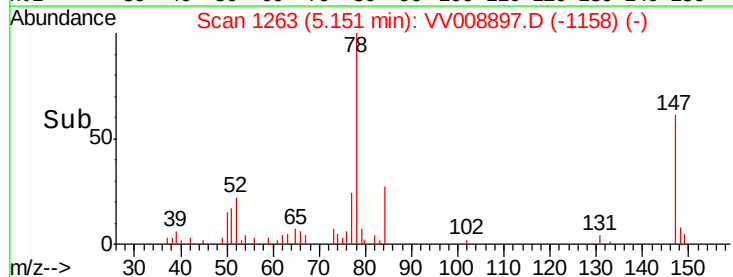
4000

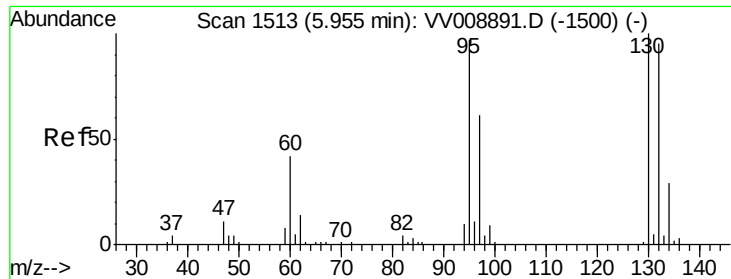
2000

0

Time-->

5.15

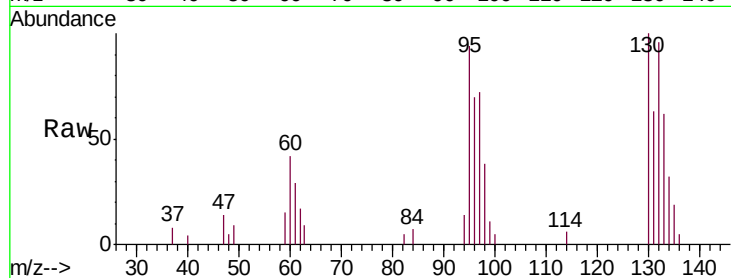




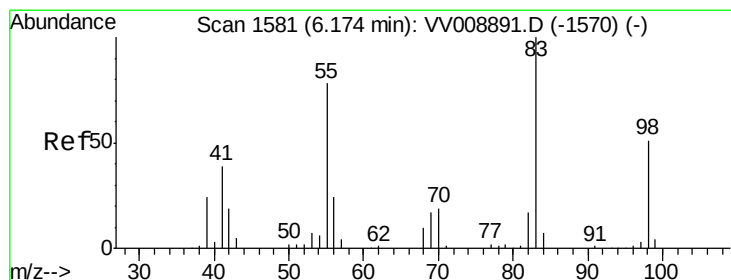
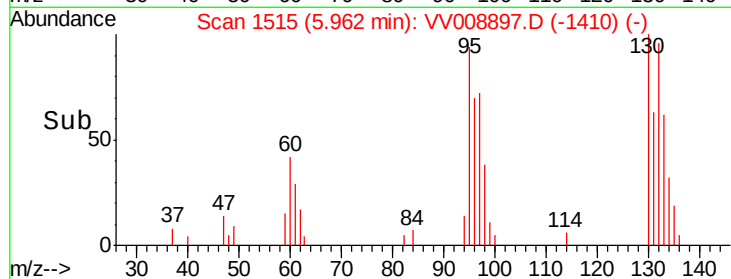
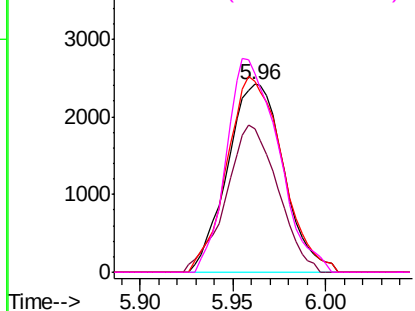
#35
 Trichloroethene
 Concen: 1.485 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 95 Resp: 5137
 Ion Ratio Lower Upper
 95 100
 97 71.7 45.3 84.1
 132 101.8 70.0 130.0
 130 104.2 73.4 136.4

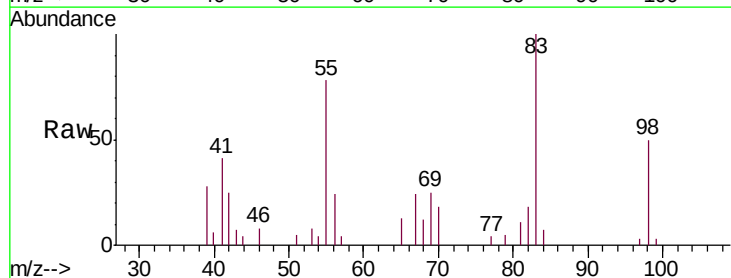


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

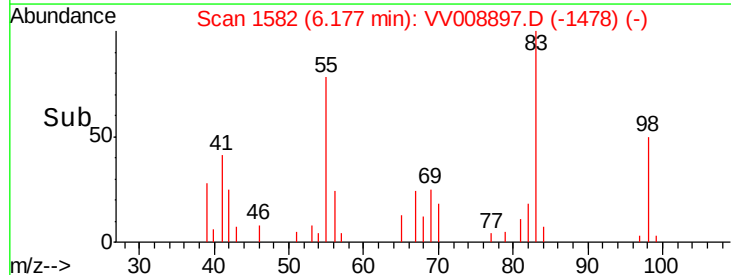
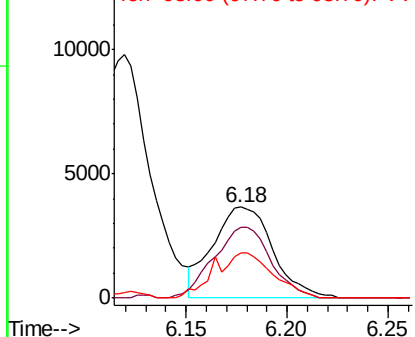


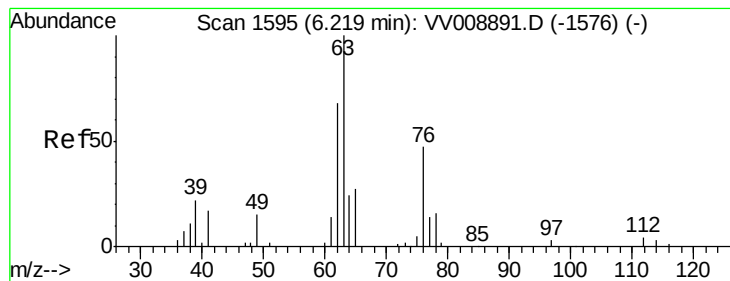
#36
 Methylcyclohexane
 Concen: 1.389 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion: 83 Resp: 7663
 Ion Ratio Lower Upper
 83 100
 55 73.2 58.2 87.2
 98 36.2 37.8 56.8#



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





#40

1,2-Dichloropropane

Concen: 1.438 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

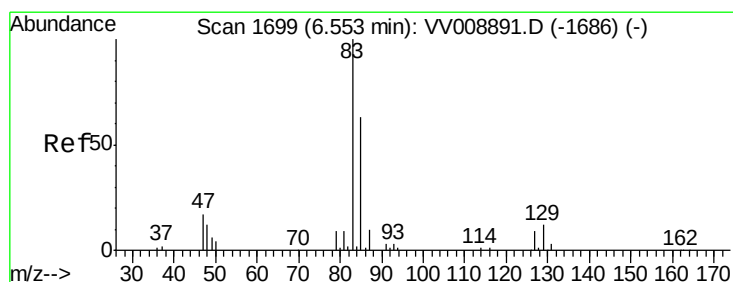
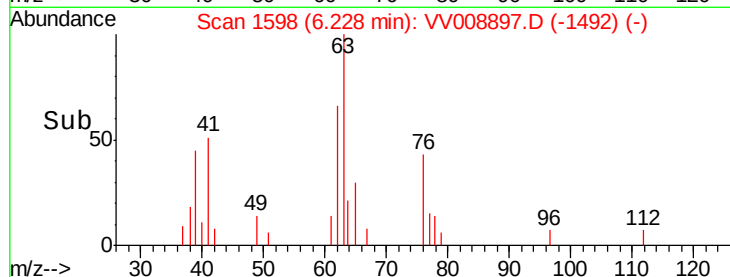
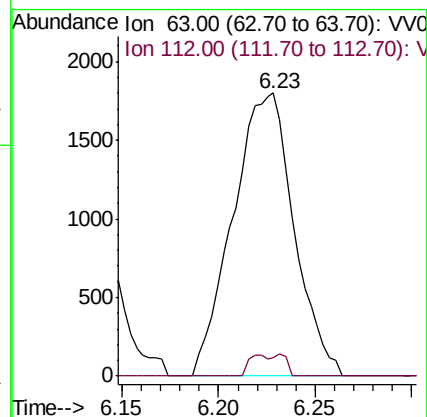
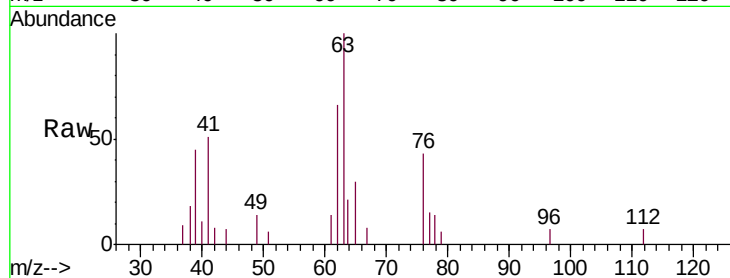
MDL05

Tgt Ion: 63 Resp: 3960

Ion Ratio Lower Upper

63 100

112 1.9 3.8 5.8#



#41

Bromodichloromethane

Concen: 1.320 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

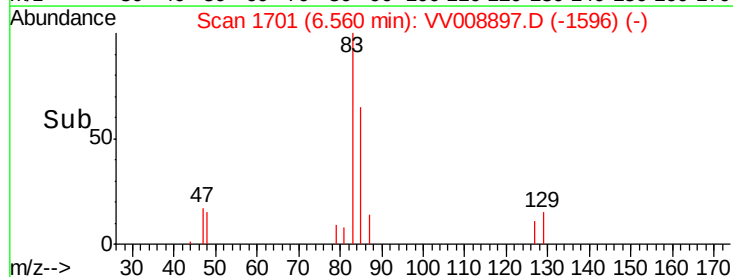
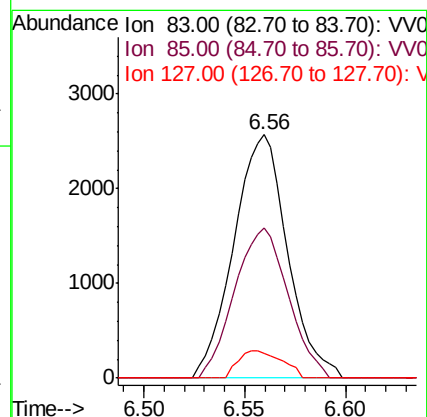
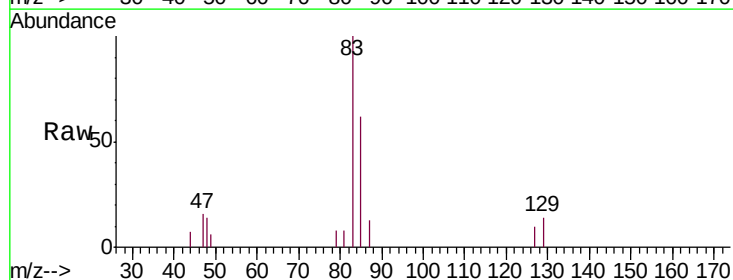
Tgt Ion: 83 Resp: 4793

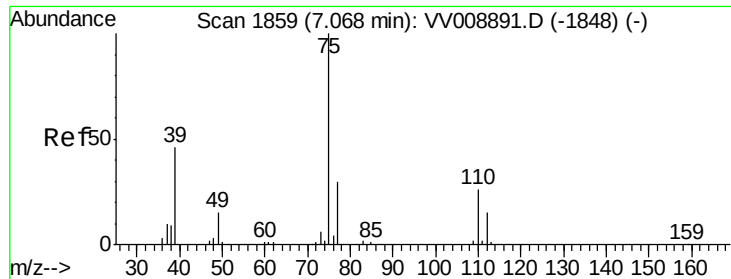
Ion Ratio Lower Upper

83 100

85 61.6 45.3 84.1

127 10.3 7.2 10.8



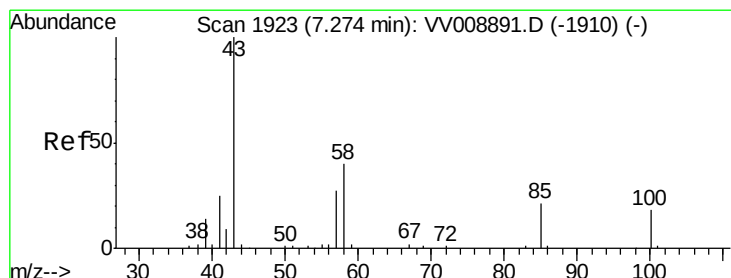
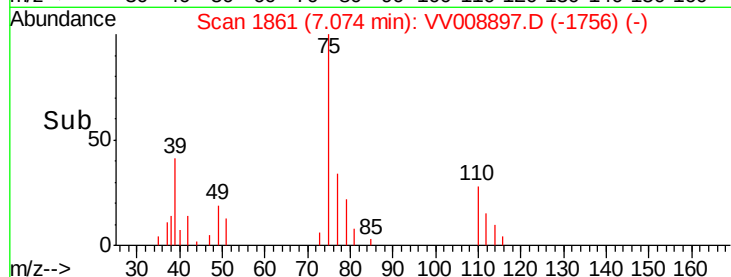
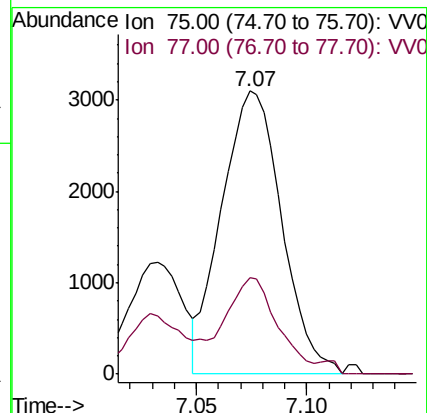
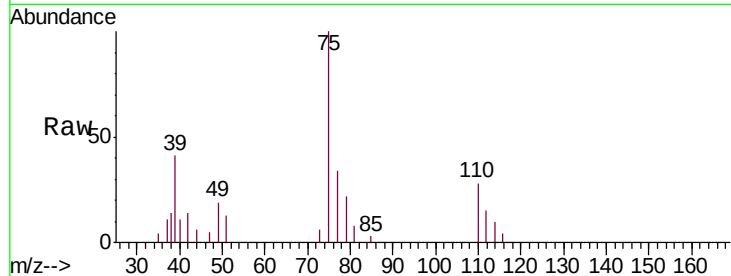


#42

cis-1,3-Dichloropropene
 Concen: 1.453 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

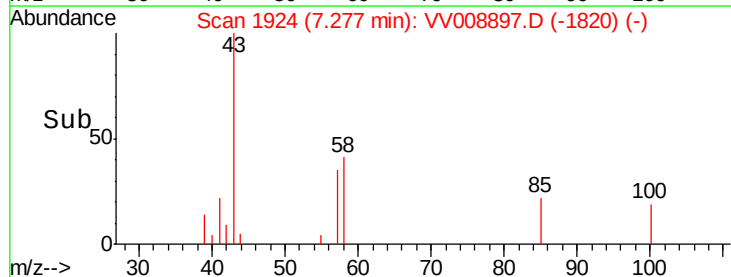
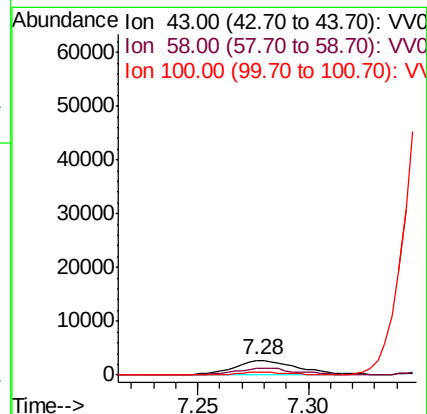
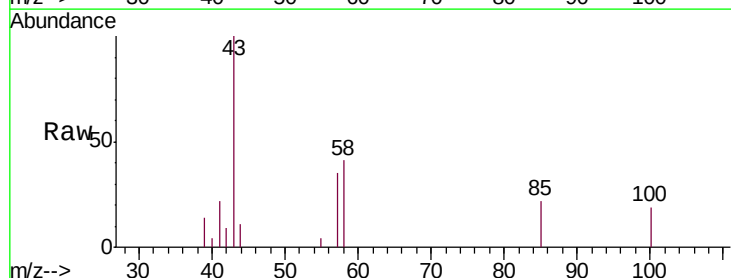
Tgt Ion: 75 Resp: 5858
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.3 39.6

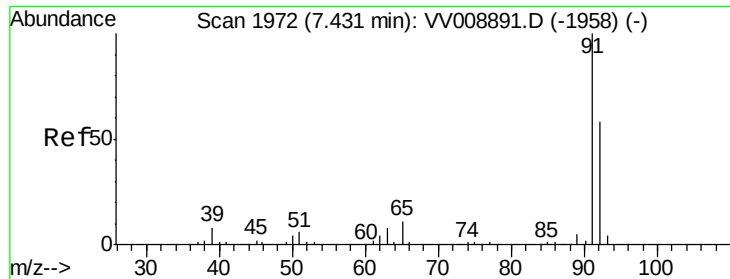


#43

4-Methyl-2-pentanone
 Concen: 3.023 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion: 43 Resp: 5628
 Ion Ratio Lower Upper
 43 100
 58 36.4 32.2 48.4
 100 15.3 13.8 20.8





#44

Toluene

Concen: 1.479 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

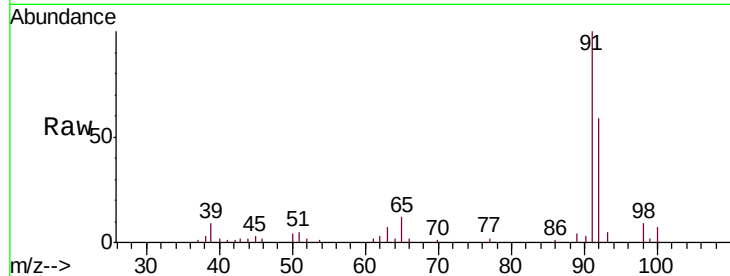
MDL05

Tgt Ion: 91 Resp: 17804

Ion Ratio Lower Upper

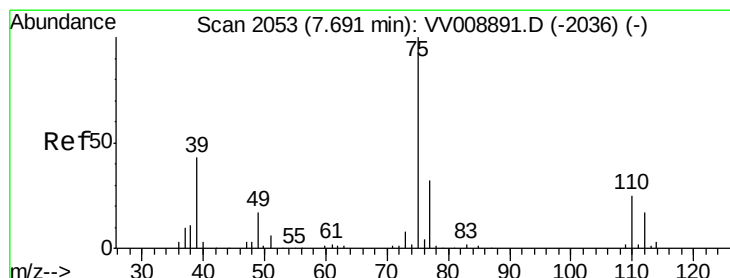
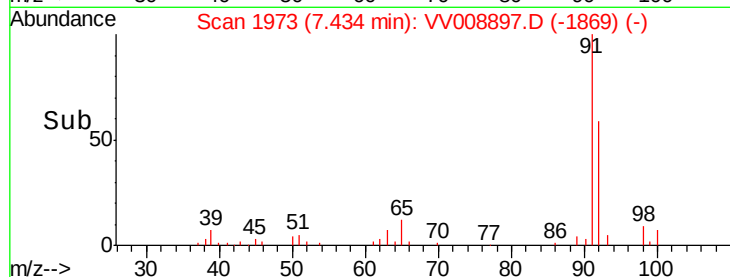
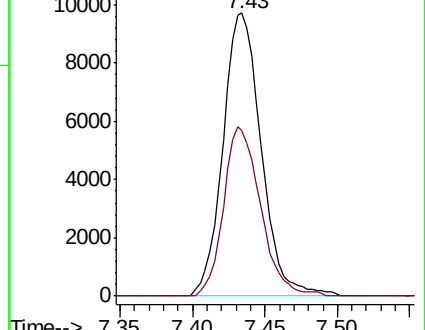
91 100

92 58.7 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008897.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008897.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 1.324 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008897.D

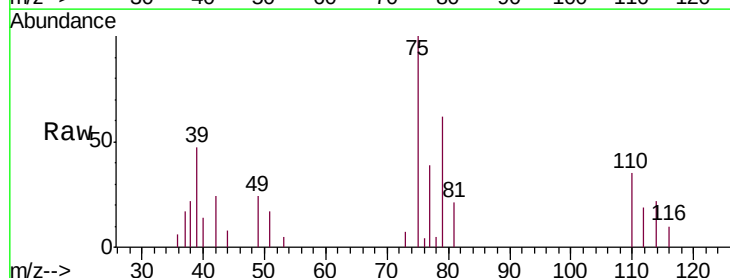
Acq: 11 Dec 2018 13:54

Tgt Ion: 75 Resp: 4654

Ion Ratio Lower Upper

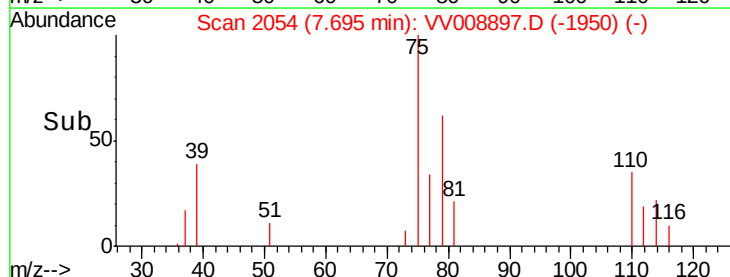
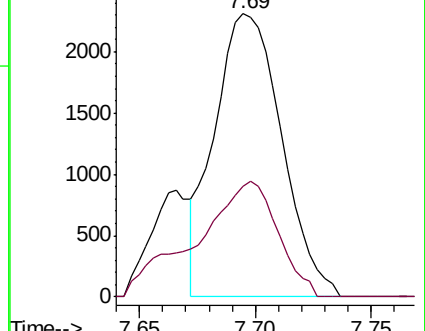
75 100

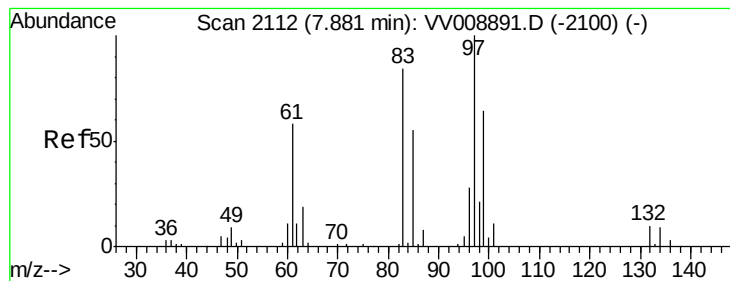
77 39.2 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008897.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV008897.D (-1950) (-)





#46

1,1,2-Trichloroethane

Concen: 1.314 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 97 Resp: 3017

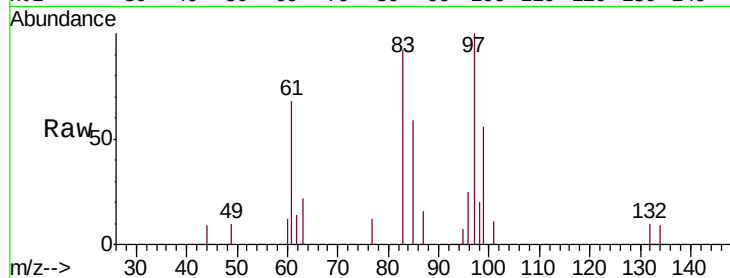
Ion Ratio Lower Upper

97 100

83 91.8 56.6 105.2

85 59.1 36.6 68.0

99 55.7 43.2 80.2

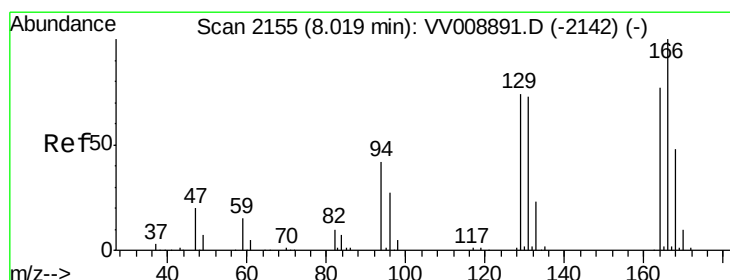
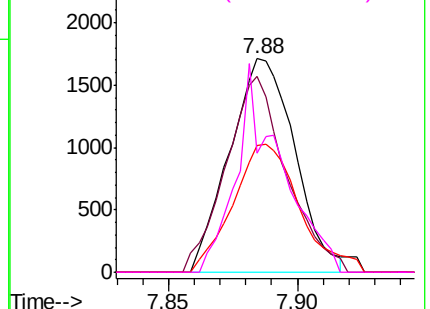
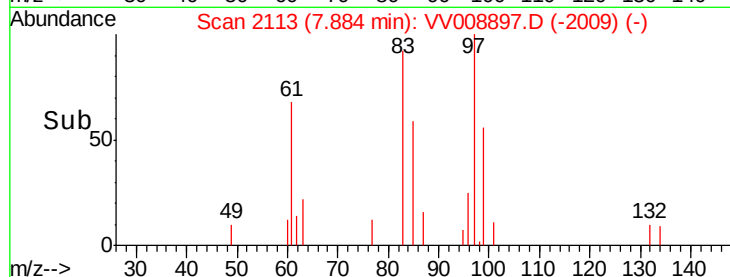


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 1.309 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Tgt Ion: 164 Resp: 3685

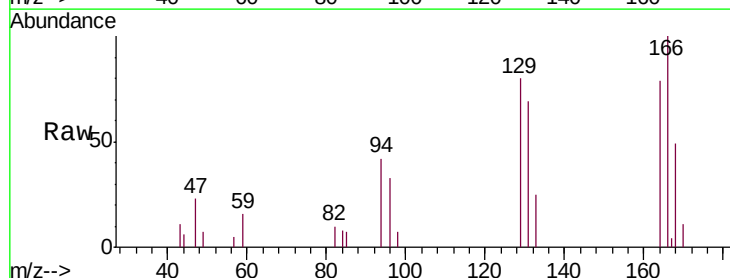
Ion Ratio Lower Upper

164 100

129 100.8 64.6 120.0

131 86.8 64.5 119.7

166 126.7 88.7 164.7

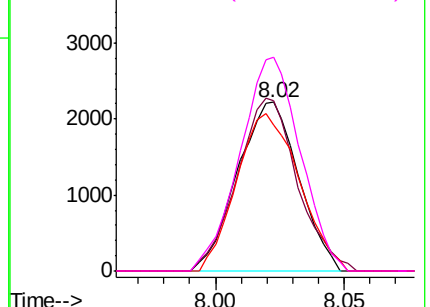
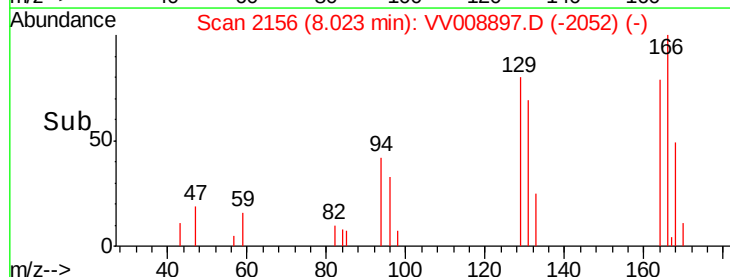


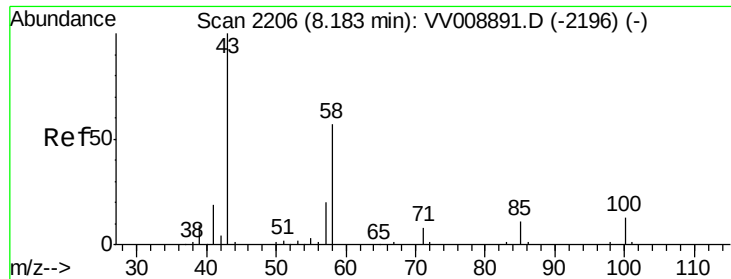
Abundance Ion 164.00 (163.70 to 164.70): V

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

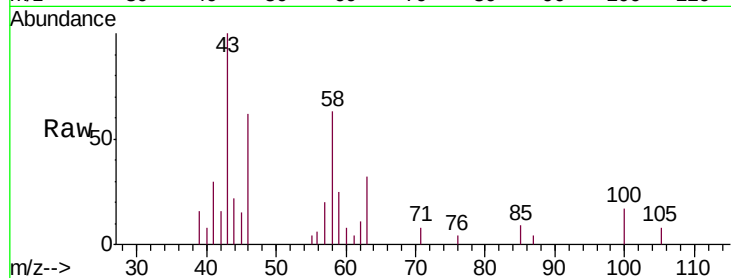




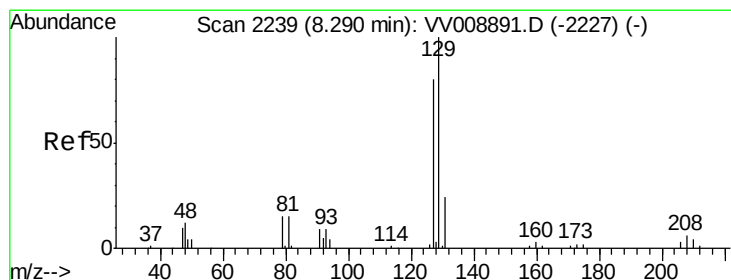
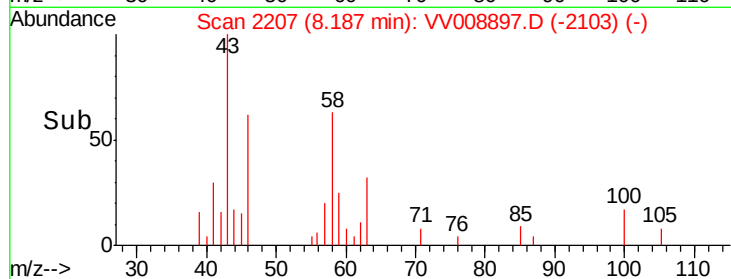
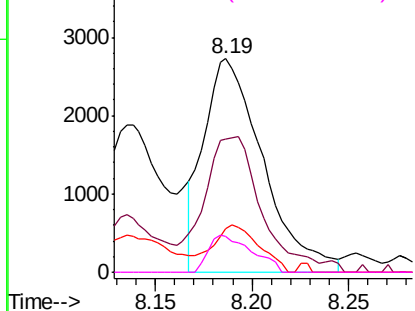
#49
2-Hexanone
Concen: 3.767 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 5803
Ion Ratio Lower Upper
43 100
58 0.0 43.9 65.9#
57 17.3 15.7 23.5
100 12.8 11.0 16.4

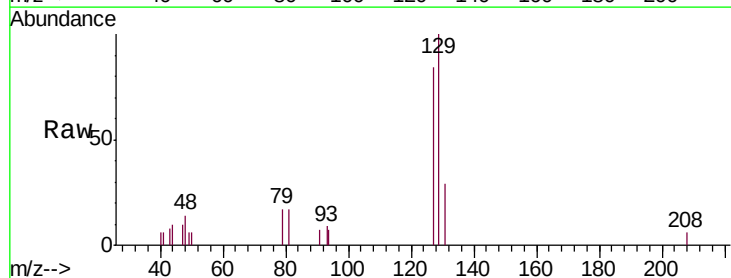


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

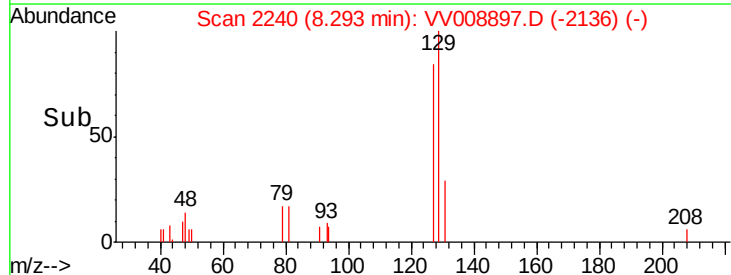
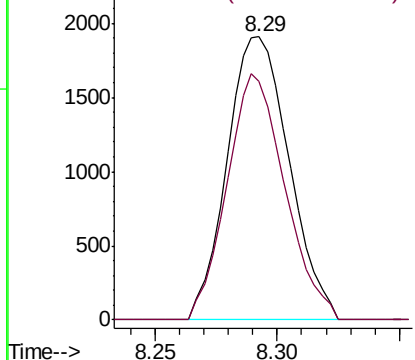


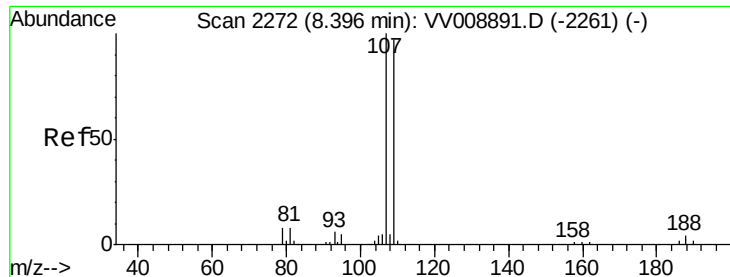
#50
Dibromochloromethane
Concen: 1.280 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Tgt Ion: 129 Resp: 3368
Ion Ratio Lower Upper
129 100
127 84.2 53.5 99.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 1.373 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

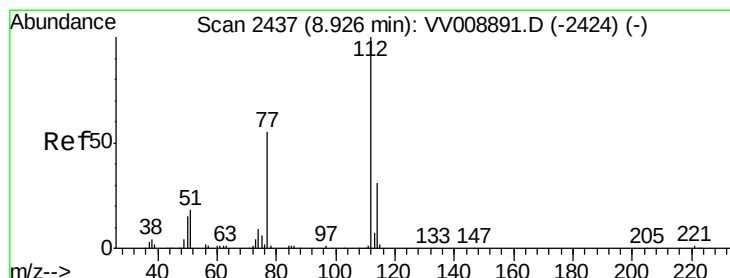
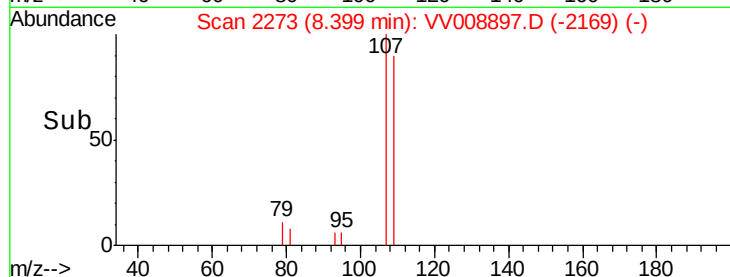
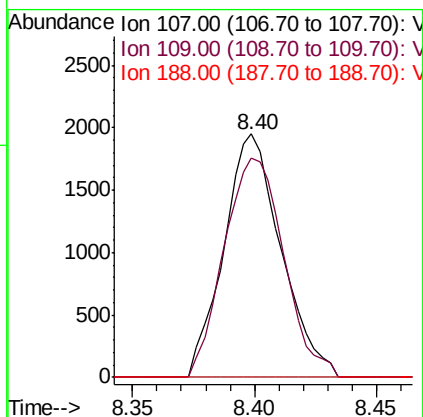
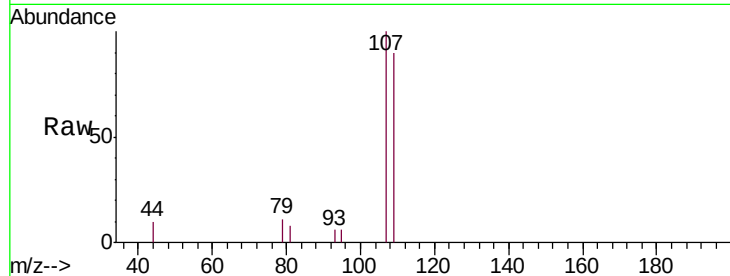
MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:107 Resp: 3164

Ion	Ratio	Lower	Upper
107	100		
109	90.3	65.8	122.2
188	0.0	3.0	4.6#



#52

Chlorobenzene

Concen: 1.398 ug/L

RT: 8.93 min Scan# 2437

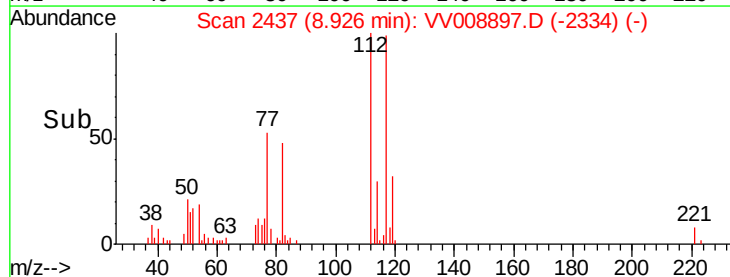
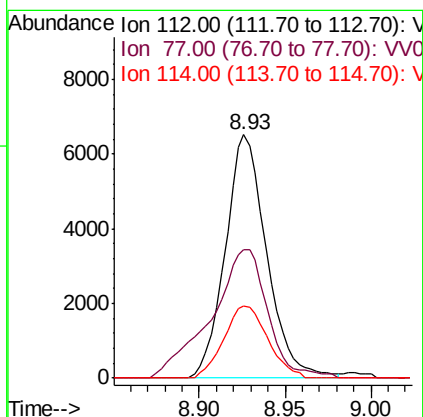
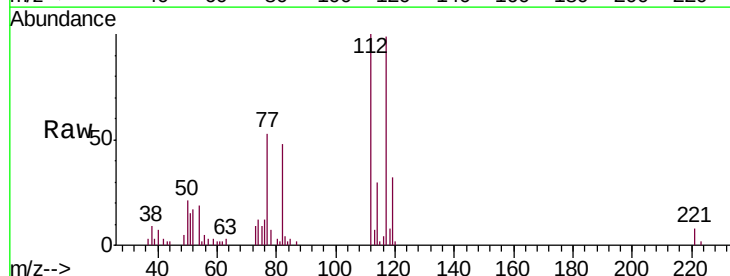
Delta R.T. -0.00 min

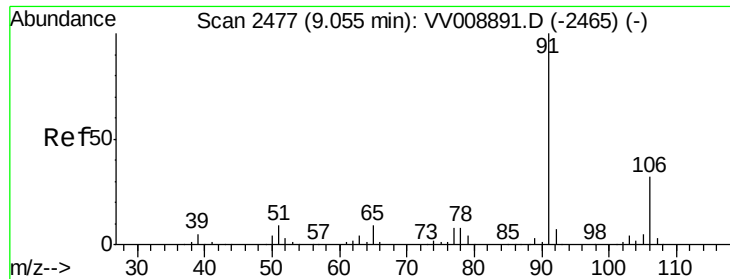
Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Tgt Ion:112 Resp: 10956

Ion	Ratio	Lower	Upper
112	100		
77	52.9	44.6	66.8
114	29.8	22.6	42.0





#53

Ethylbenzene

Concen: 1.284 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

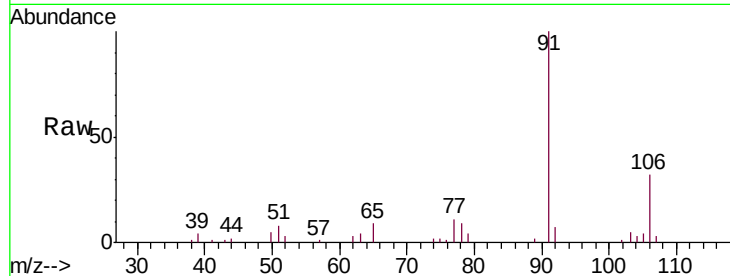
MDL05

Tgt Ion: 91 Resp: 16773

Ion Ratio Lower Upper

91 100

106 32.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008897.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008897.D (-2465) (-)

9.06

12000

10000

8000

6000

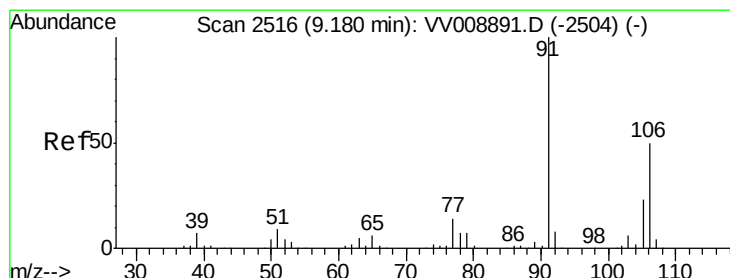
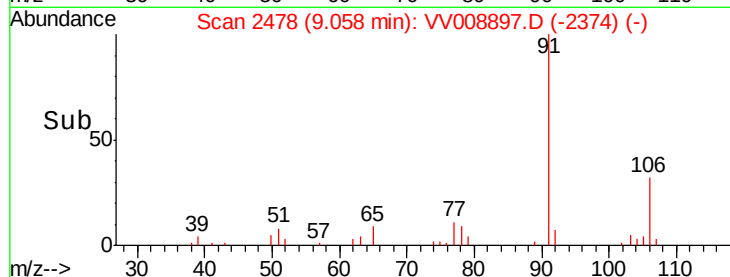
4000

2000

0

Time-->

9.00 9.05 9.10



#54

m,p-Xylene

Concen: 1.271 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008897.D

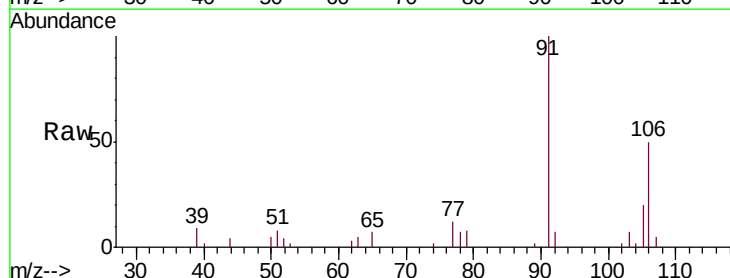
Acq: 11 Dec 2018 13:54

Tgt Ion: 106 Resp: 6282

Ion Ratio Lower Upper

106 100

91 198.4 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008897.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008897.D (-2504) (-)

9.18

8000

6000

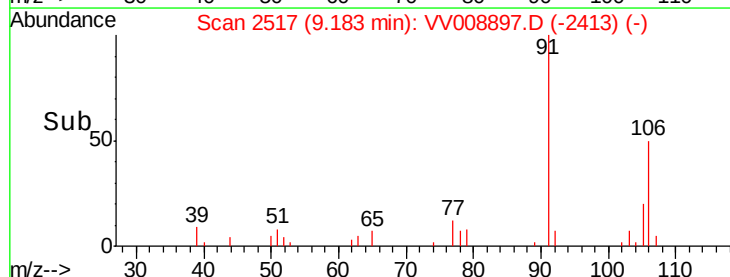
4000

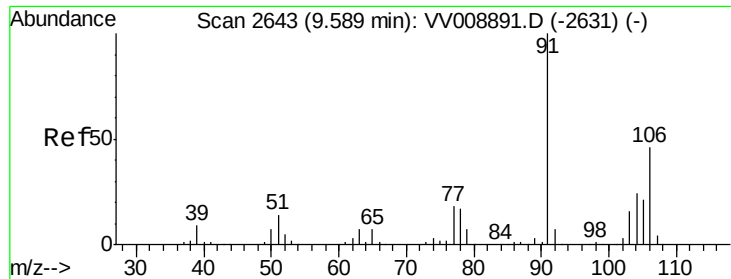
2000

0

Time-->

9.15 9.20

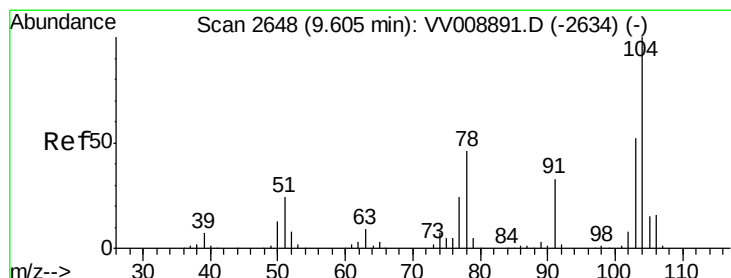
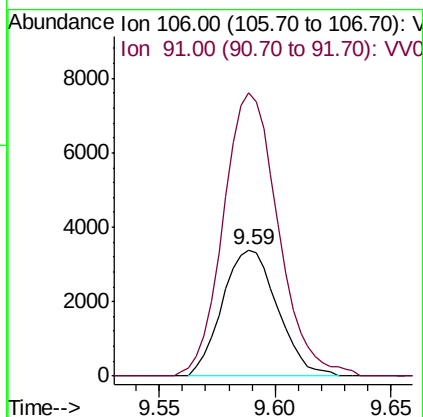
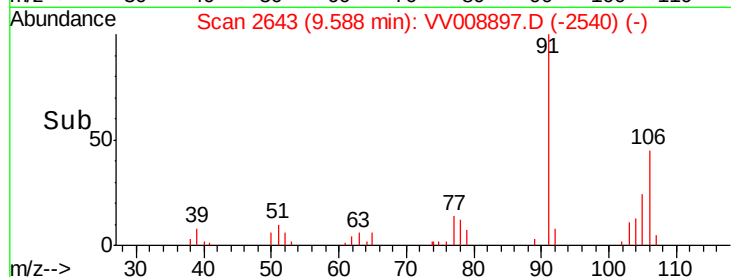
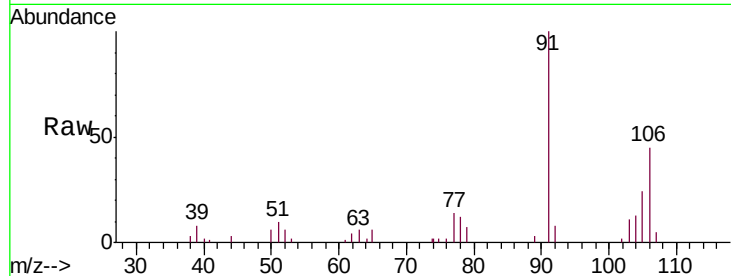




#55
o-xylene
Concen: 1.222 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

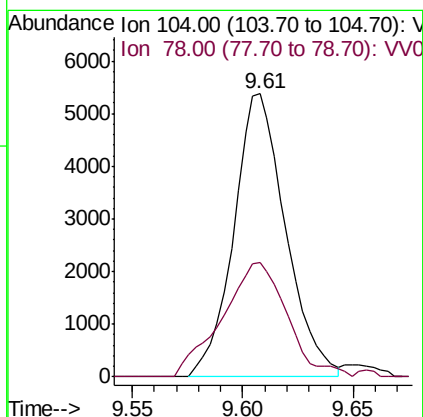
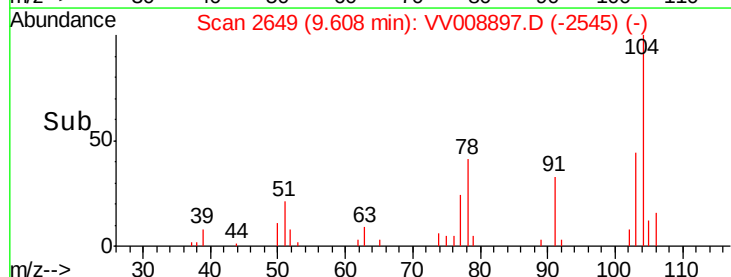
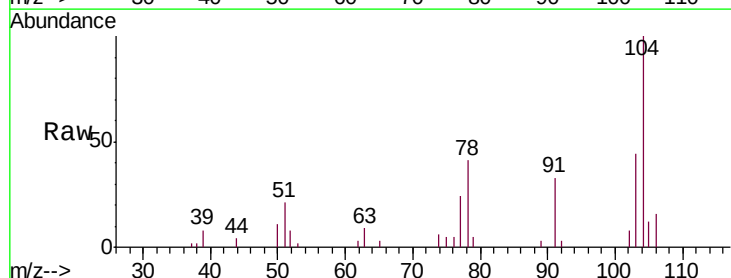
Instrument :
MSVOA_V
ClientSampleId :
MDL05

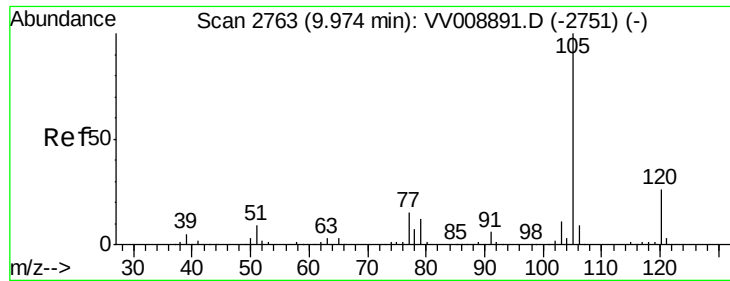
Tgt Ion:106 Resp: 5613
Ion Ratio Lower Upper
106 100
91 224.2 148.3 275.5



#56
Styrene
Concen: 1.185 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008897.D
Acq: 11 Dec 2018 13:54

Tgt Ion:104 Resp: 8780
Ion Ratio Lower Upper
104 100
78 40.5 30.6 56.8





#57

Isopropylbenzene

Concen: 1.239 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampled :

MDL05

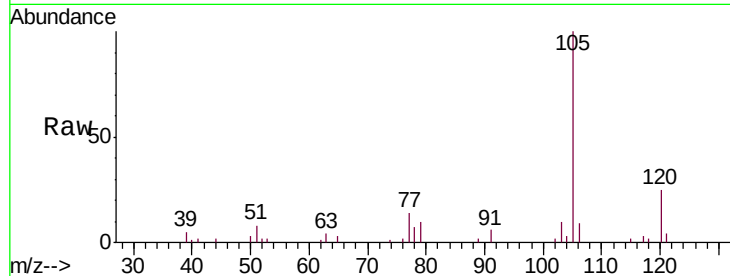
Tgt Ion:105 Resp: 15473

Ion Ratio Lower Upper

105 100

120 26.0 21.7 32.5

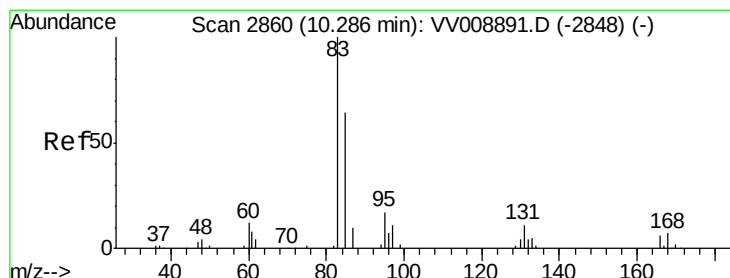
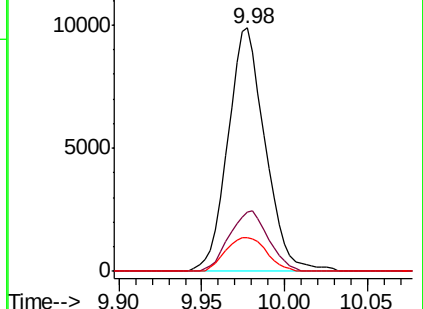
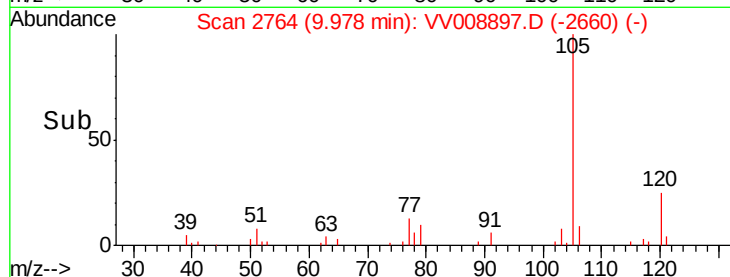
77 15.2 12.4 18.6



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: 1.467 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

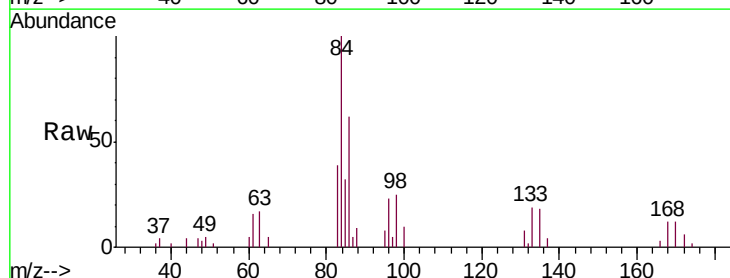
Tgt Ion: 83 Resp: 3639

Ion Ratio Lower Upper

83 100

85 82.8 44.3 82.3#

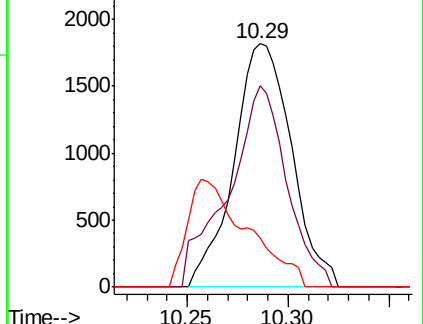
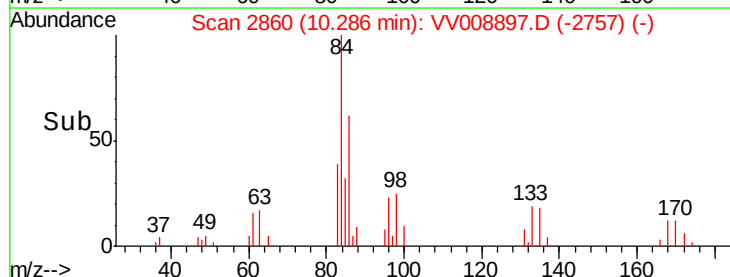
131 20.0 7.8 11.8#

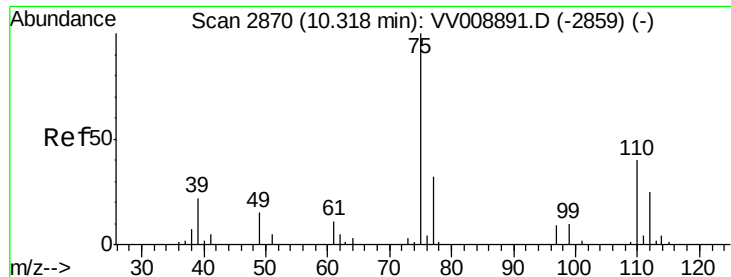


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

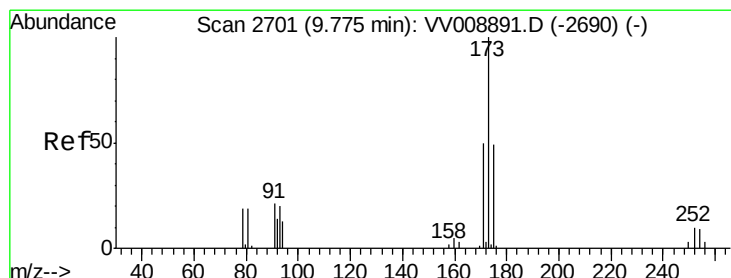
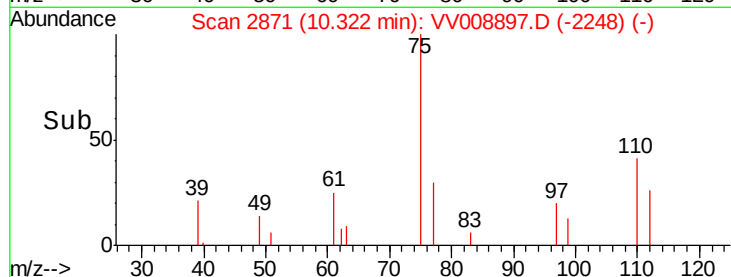
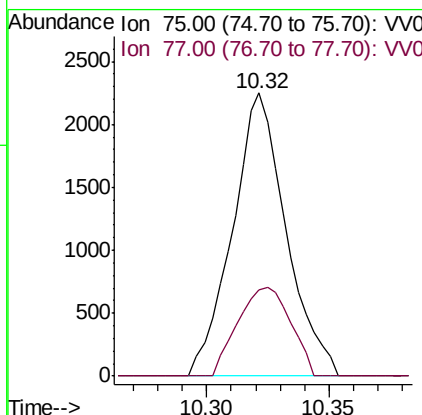
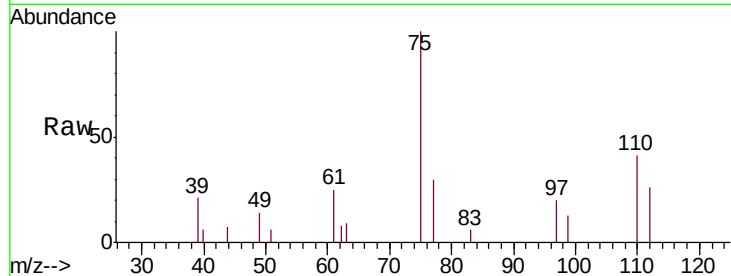




#59
 1,2,3-Trichloropropane
 Concen: 1.594 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

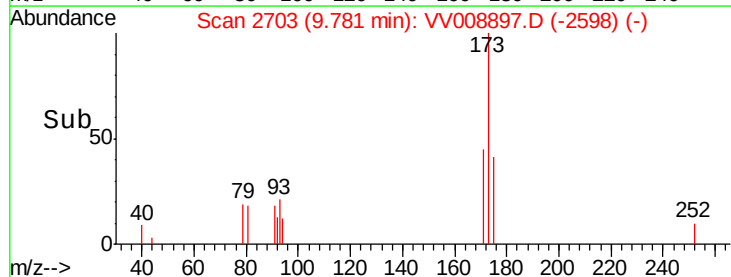
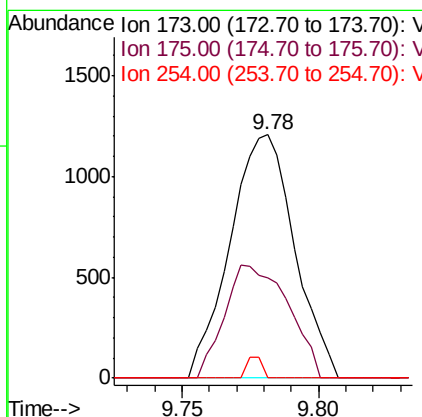
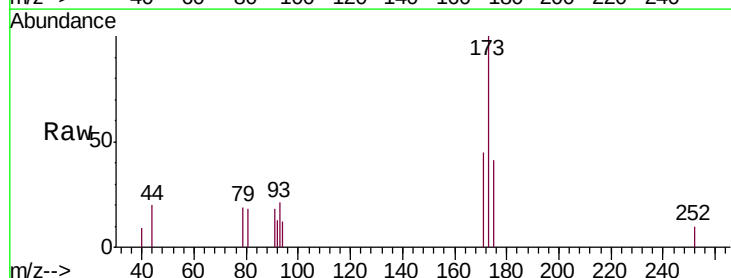
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

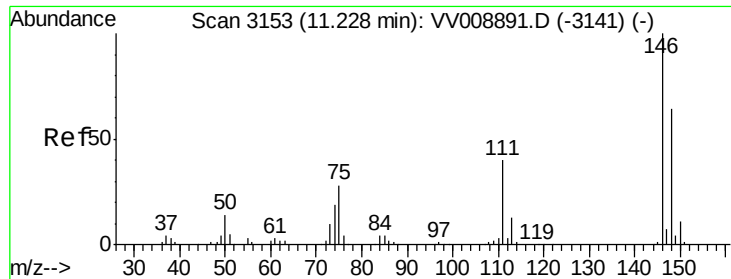
Tgt Ion: 75 Resp: 3423
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4



#62
 Bromoform
 Concen: 1.352 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.01 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion: 173 Resp: 1981
 Ion Ratio Lower Upper
 173 100
 175 45.9 37.7 56.5
 254 2.1 7.1 10.7#

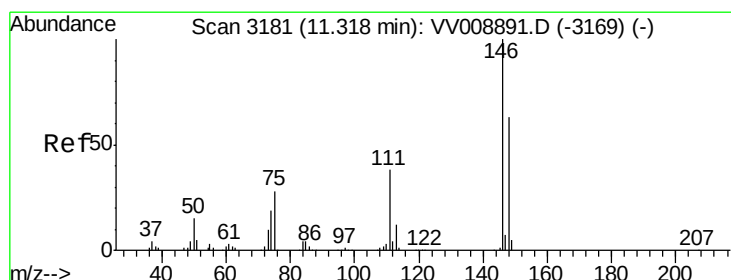
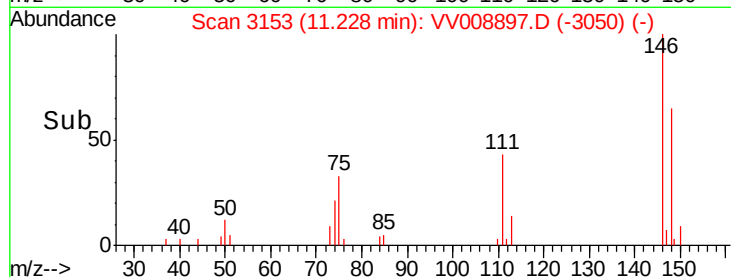
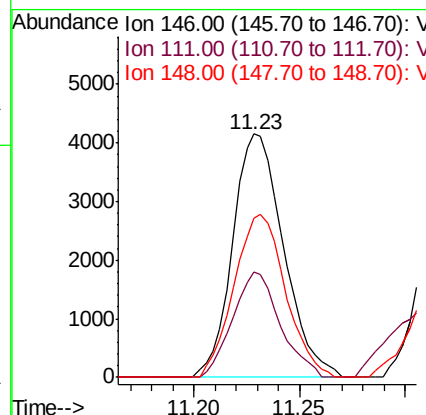
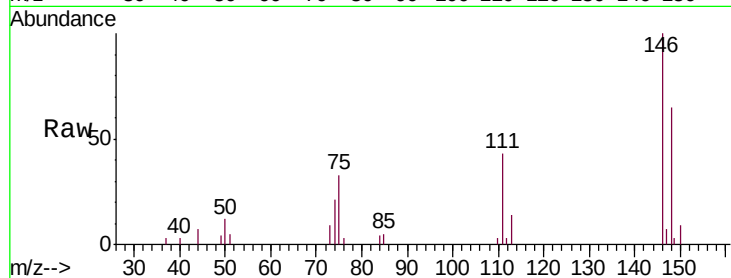




#63
 1,3-Dichlorobenzene
 Concen: 1.329 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

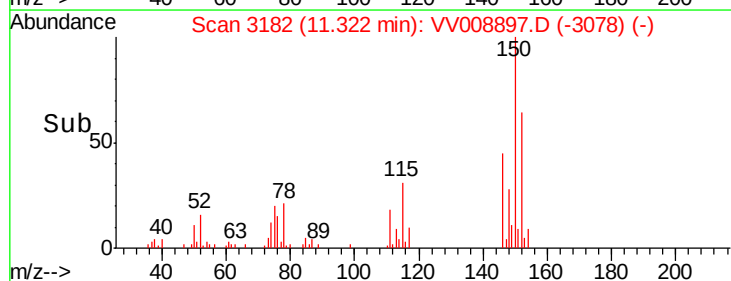
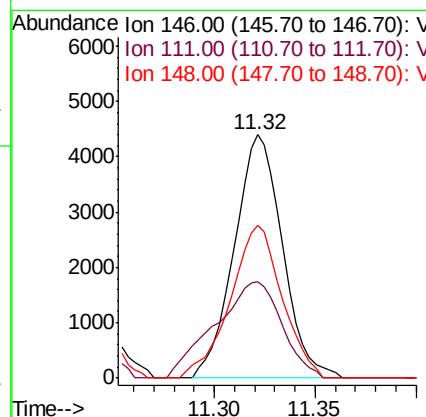
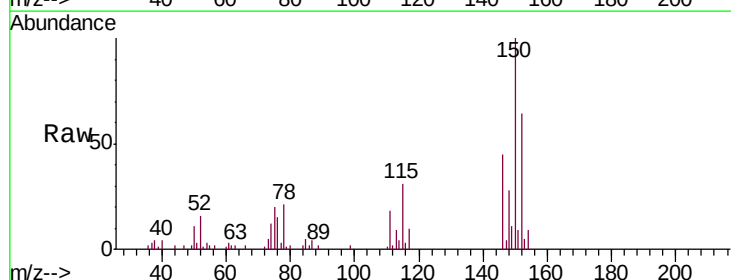
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

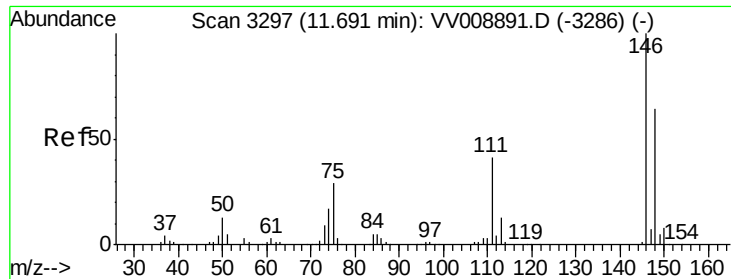
Tgt Ion:146 Resp: 6949
 Ion Ratio Lower Upper
 146 100
 111 43.4 27.5 51.1
 148 68.6 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 1.367 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion:146 Resp: 7354
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 63.0 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 1.445 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Instrument :

MSVOA_V

ClientSampleId :

MDL05

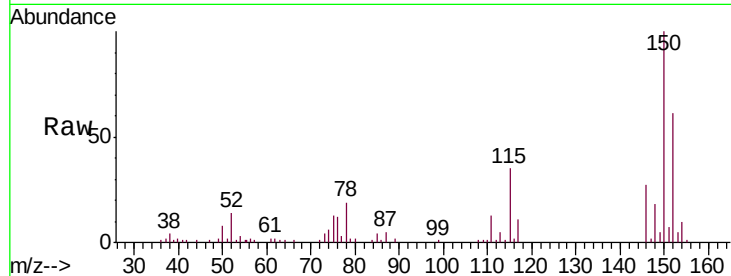
Tgt Ion:146 Resp: 6965

Ion Ratio Lower Upper

146 100

111 47.5 34.2 51.4

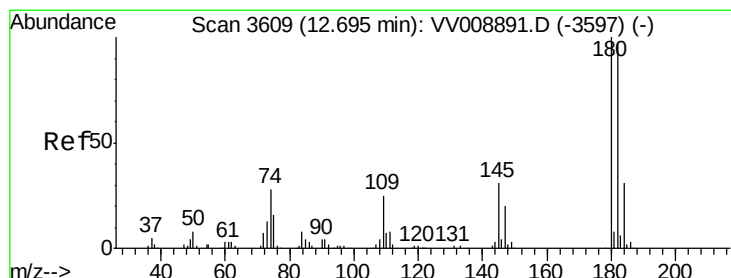
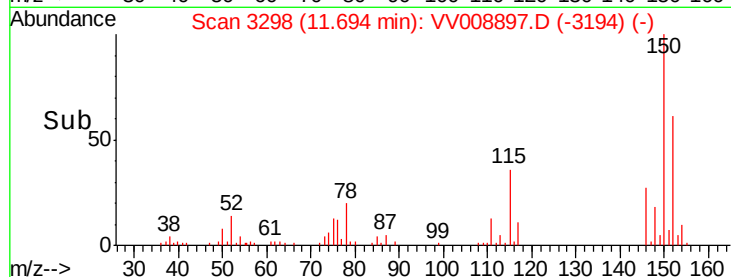
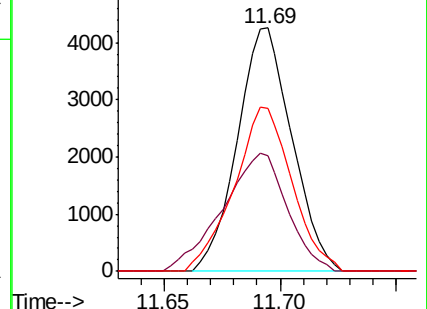
148 66.8 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 1.129 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV008897.D

Acq: 11 Dec 2018 13:54

Tgt Ion:180 Resp: 4265

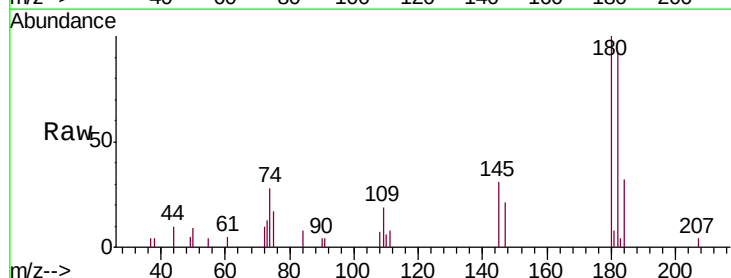
Ion Ratio Lower Upper

180 100

182 91.1 75.9 113.9

184 31.7 23.8 35.6

145 29.8 24.2 36.4

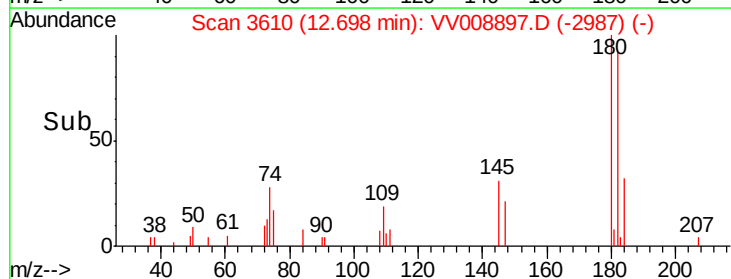
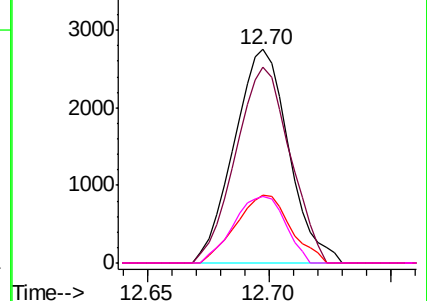


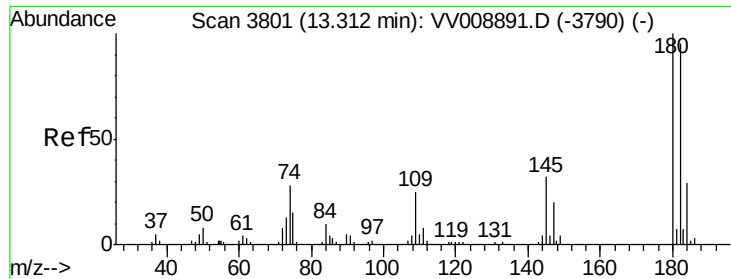
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

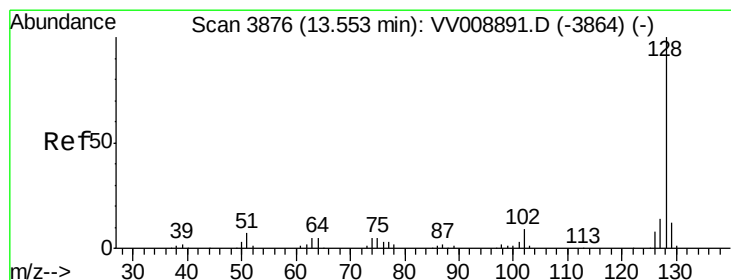
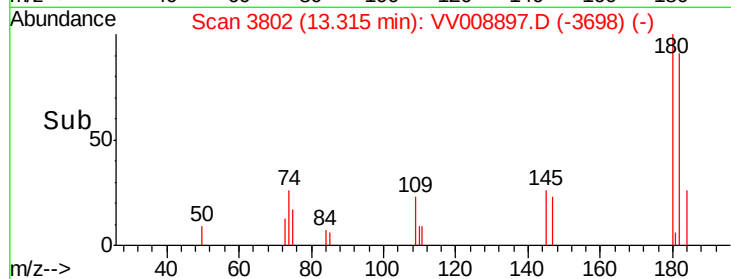
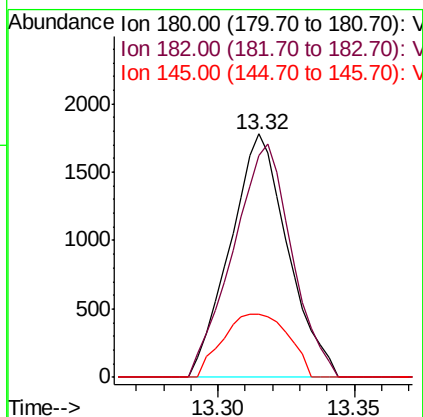
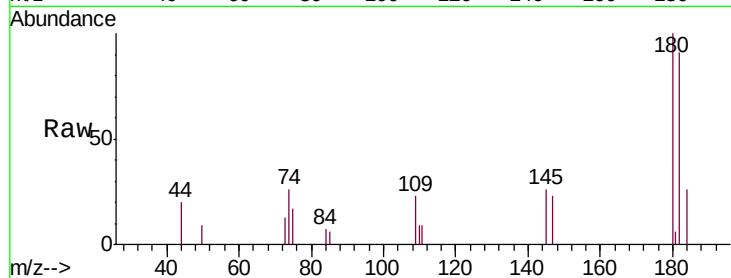




#68
 1,2,4-trichlorobenzene
 Concen: 0.986 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

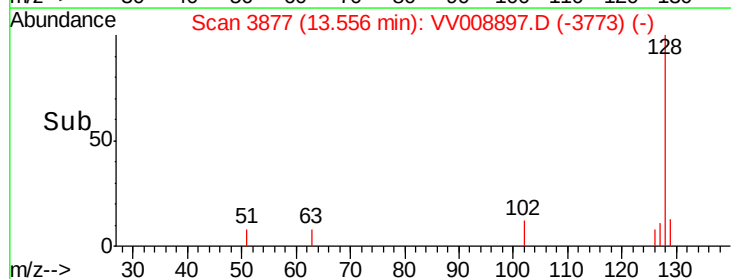
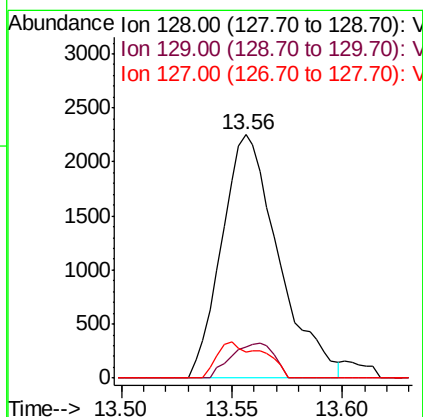
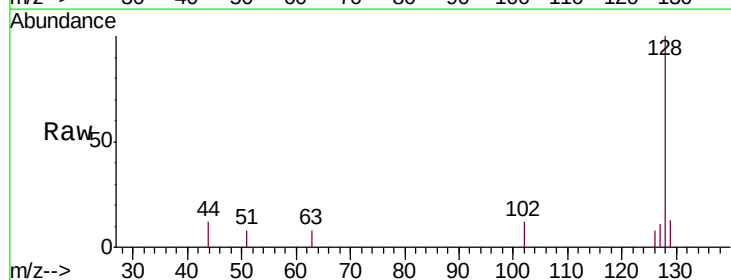
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

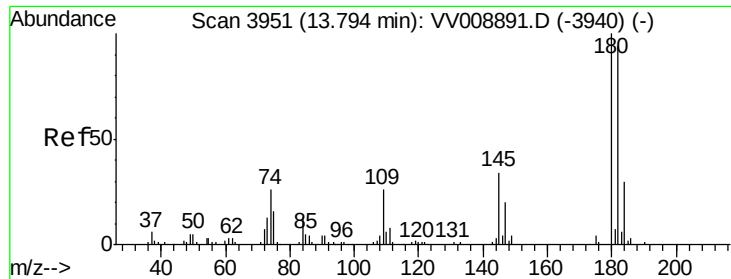
Tgt Ion:180 Resp: 2608
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.4 116.0
 145 29.7 25.6 38.4



#69
 Naphthalene
 Concen: 0.882 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Tgt Ion:128 Resp: 4019
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 13.0#
 127 7.1 10.0 15.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.909 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008897.D
 Acq: 11 Dec 2018 13:54

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 2221
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.1 114.1
 145 34.4 26.7 40.1

