

Data File : VV008899.D
Acq On : 11 Dec 2018 14:43
Operator : SY/MD
Sample : MDL07
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Quant Time: Dec 12 04:38:58 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	218601	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183819	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78358	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57807	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	54405	32.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	130.20%
10) 1,1-Dichloroethene-d2	2.13	63	111544	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
20) 2-Butanone-d5	3.94	46	49424	60.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.02%
24) Chloroform-d	4.40	84	131829	25.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.08	65	78723	27.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.80%
29) Benzene-d6	5.10	84	273139	26.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.40%
33) 1,2-Dichloropropane-d6	6.12	67	78741	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.60%
37) Toluene-d8	7.36	98	245879	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	7.67	79	33673	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	8.14	63	29763	56.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62388	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	76308	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5340	1.490 ug/L	98
3) Chloromethane	1.25	50	3260	1.324 ug/L	99
5) Vinyl chloride	1.32	62	3540	1.288 ug/L #	54
6) Bromomethane	1.53	94	2508	1.898 ug/L	85
8) Chloroethane	1.60	64	2654	1.724 ug/L	99
9) Trichlorofluoromethane	1.77	101	7229	1.535 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5104	1.581 ug/L	85
12) 1,1-Dichloroethene	2.14	96	4392	1.559 ug/L #	1
13) Acetone	2.20	43	4007	3.302 ug/L	68
14) Carbon disulfide	2.32	76	11120	1.229 ug/L	97
15) Methyl Acetate	2.46	43	1347	0.875 ug/L #	79
16) Methylene chloride	2.53	84	11545	3.136 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	7993	1.249 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	3587	1.178 ug/L	93
19) 1,1-Dichloroethane	3.23	63	3118	0.632 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	4062	1.279 ug/L	96
23) Bromochloromethane	4.30	128	1898	1.268 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	9339	1.763	ug/L	84
27) 1,2-Dichloroethane	5.19	62	4609	1.277	ug/L	97
30) Cyclohexane	4.73	56	5695	1.230	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	5915	1.248	ug/L	97
32) Carbon tetrachloride	4.88	117	5405	1.249	ug/L	96
34) Benzene	5.15	78	13536	1.229	ug/L	100
35) Trichloroethene	5.96	95	4559	1.373	ug/L	98
36) Methylcyclohexane	6.18	83	6376	1.204	ug/L	93
40) 1,2-Dichloropropane	6.23	63	3376	1.277	ug/L #	95
41) Bromodichloromethane	6.56	83	4376	1.256	ug/L #	97
42) cis-1,3-Dichloropropene	7.07	75	4921	1.272	ug/L #	79
43) 4-Methyl-2-pentanone	7.28	43	5699	3.190	ug/L #	94
44) Toluene	7.43	91	15305	1.325	ug/L	99
45) trans-1,3-Dichloropropene	7.70	75	5456	1.617	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	2764	1.255	ug/L	94
47) Tetrachloroethene	8.02	164	3396	1.258	ug/L	98
49) 2-Hexanone	8.19	43	6401	4.331	ug/L #	90
50) Dibromochloromethane	8.29	129	3202	1.268	ug/L	99
51) 1,2-Dibromoethane	8.40	107	2886	1.305	ug/L #	93
52) Chlorobenzene	8.93	112	9370	1.246	ug/L	97
53) Ethylbenzene	9.06	91	14418	1.151	ug/L	98
54) m,p-Xylene	9.18	106	4928	1.039	ug/L	94
55) o-xylene	9.59	106	4932	1.119	ug/L	99
56) Styrene	9.61	104	7385	1.039	ug/L	94
57) Isopropylbenzene	9.98	105	12854	1.073	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3294	1.384	ug/L #	98
59) 1,2,3-Trichloropropane	11.30	75	10283	4.992	ug/L	96
62) Bromoform	9.78	173	1710	1.209	ug/L #	92
63) 1,3-Dichlorobenzene	11.23	146	5716	1.132	ug/L	92
64) 1,4-Dichlorobenzene	11.32	146	6715	1.292	ug/L	85
65) 1,2-Dichlorobenzene	11.69	146	6348	1.364	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	3955	1.084	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	2165	0.847	ug/L	95
69) Naphthalene	13.56	128	3464	0.787	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2182	0.924	ug/L	95

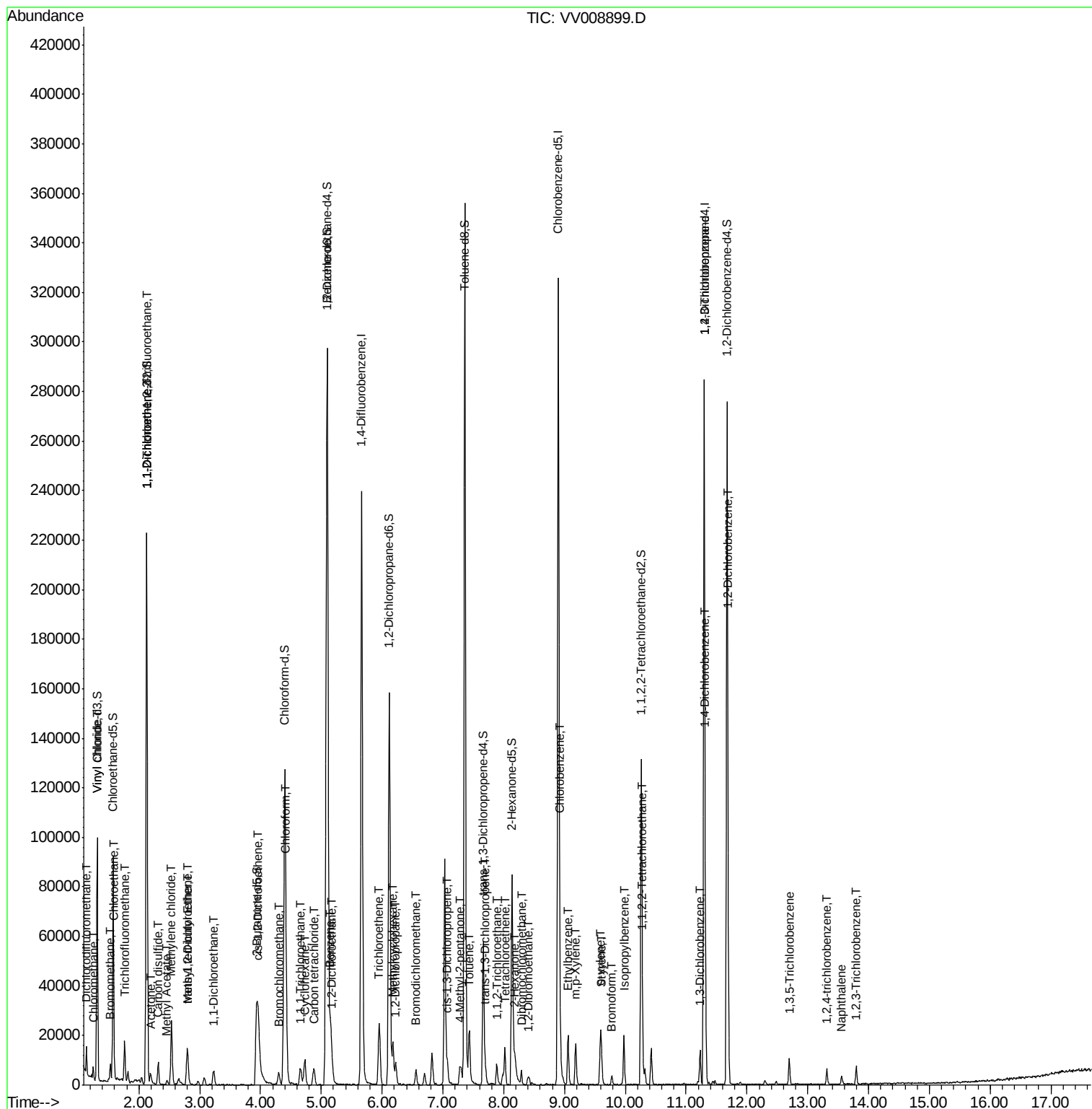
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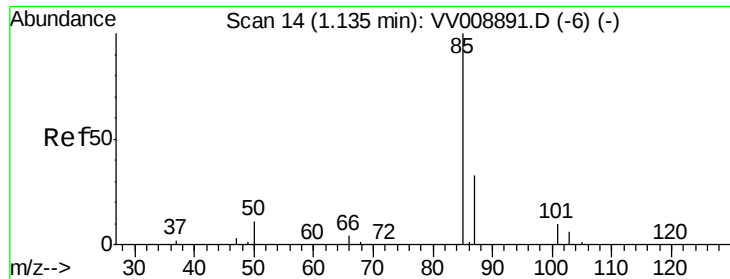
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#2

Dichlorodifluoromethane

Concen: 1.490 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

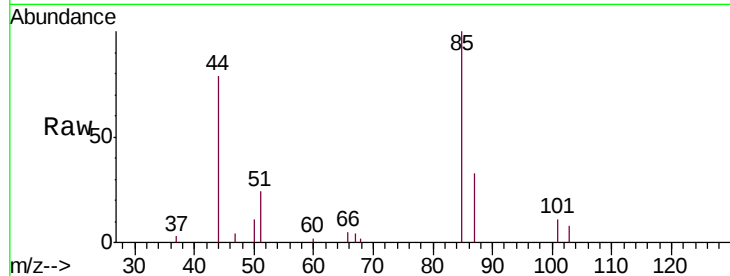
MDL07

Tgt Ion: 85 Resp: 5340

Ion Ratio Lower Upper

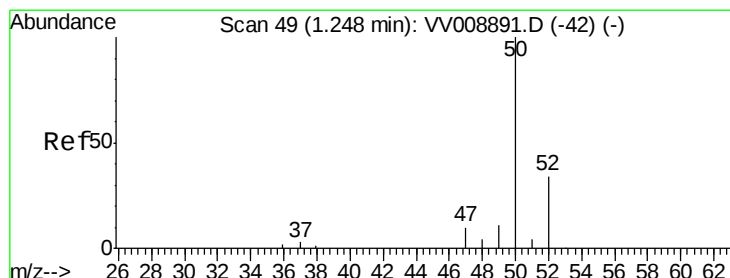
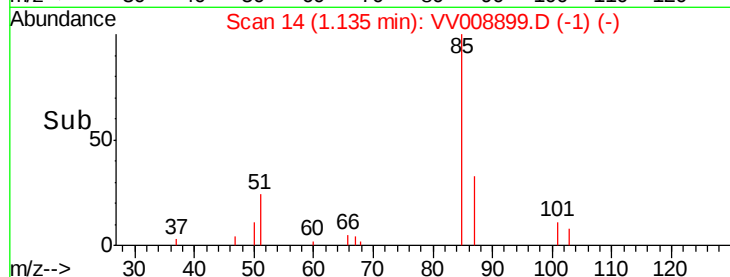
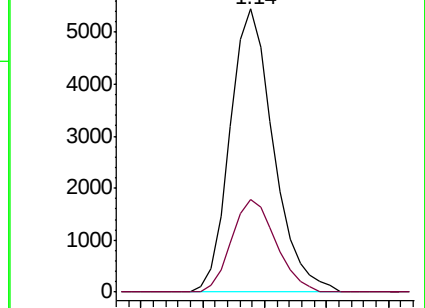
85 100

87 33.4 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008899.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008899.D (-6) (-)



#3

Chloromethane

Concen: 1.324 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008899.D

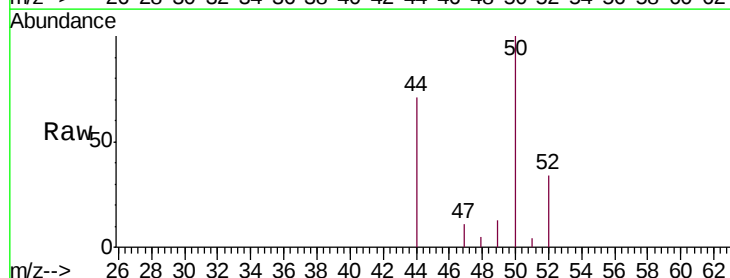
Acq: 11 Dec 2018 14:43

Tgt Ion: 50 Resp: 3260

Ion Ratio Lower Upper

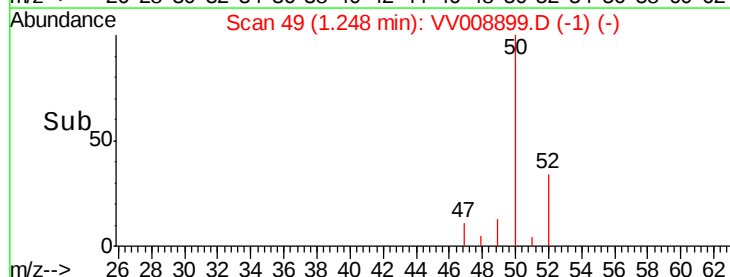
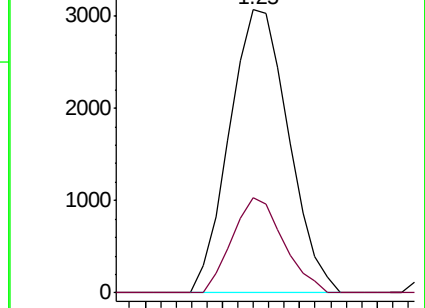
50 100

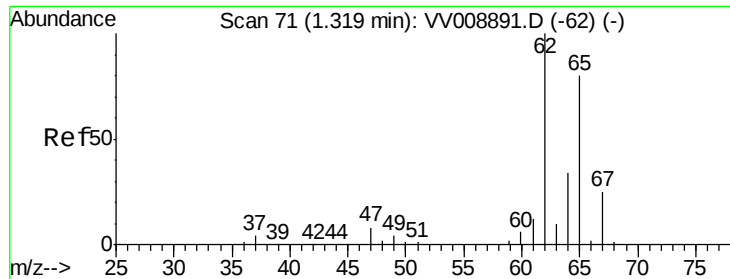
52 33.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008899.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008899.D (-42) (-)





#5

Vinyl chloride

Concen: 1.288 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

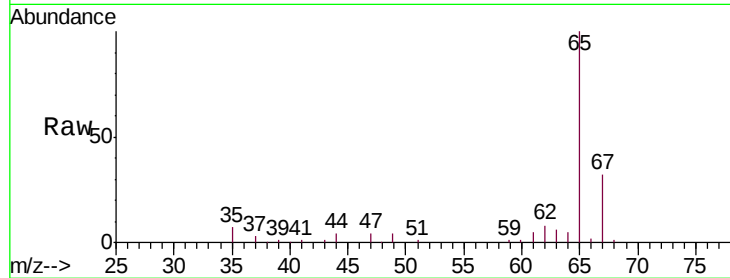
MDL07

Tgt Ion: 62 Resp: 3540

Ion Ratio Lower Upper

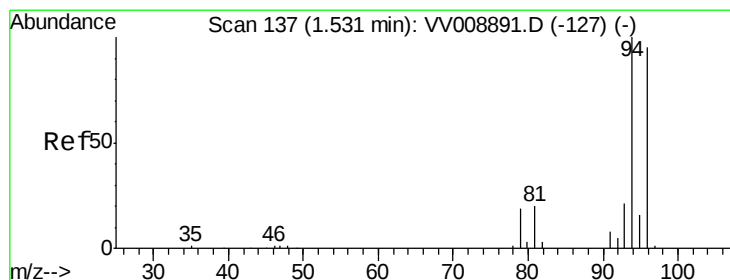
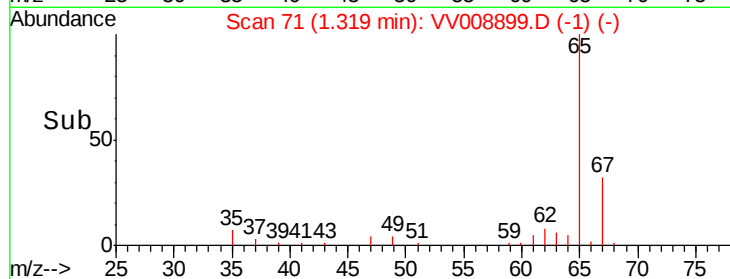
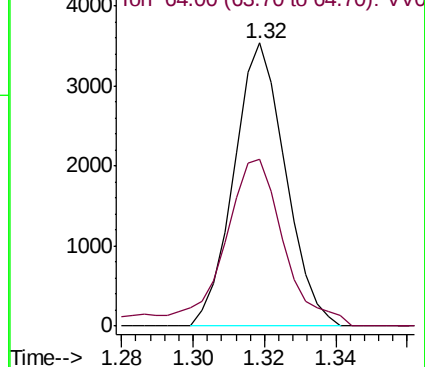
62 100

64 59.1 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV008891.D (-62) (-)

Ion 64.00 (63.70 to 64.70): VV008891.D (-62) (-)



#6

Bromomethane

Concen: 1.898 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV008899.D

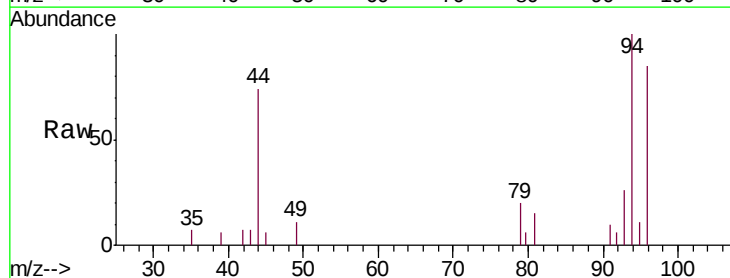
Acq: 11 Dec 2018 14:43

Tgt Ion: 94 Resp: 2508

Ion Ratio Lower Upper

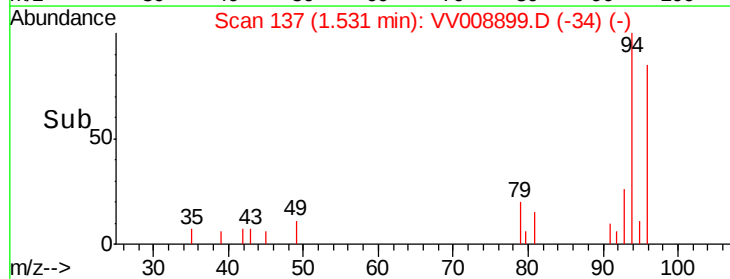
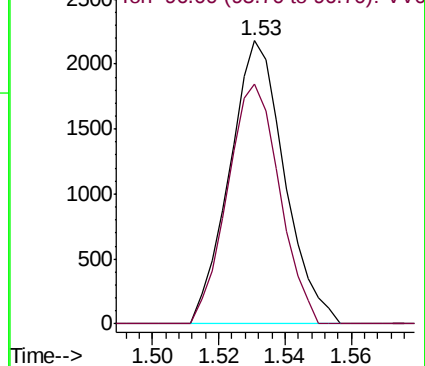
94 100

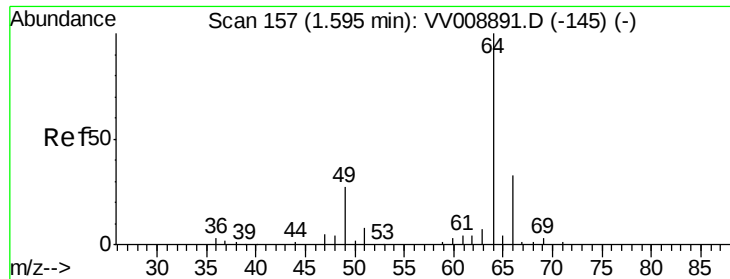
96 80.3 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV008891.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV008891.D (-127) (-)





#8

Chloroethane

Concen: 1.724 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

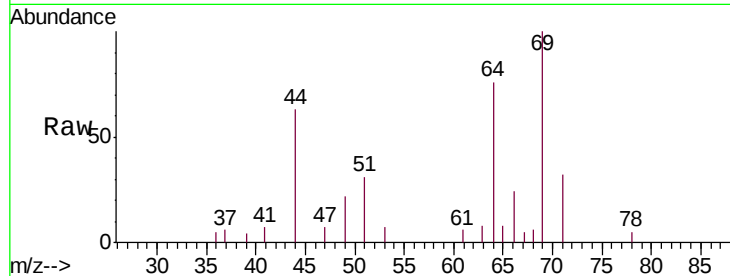
MDL07

Tgt Ion: 64 Resp: 2654

Ion Ratio Lower Upper

64 100

66 31.1 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008899.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008899.D (-145) (-)

2500

2000

1500

1000

500

0

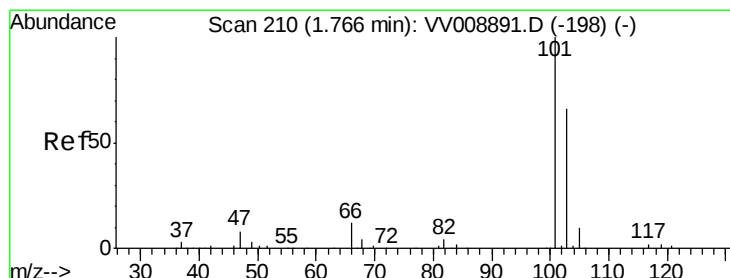
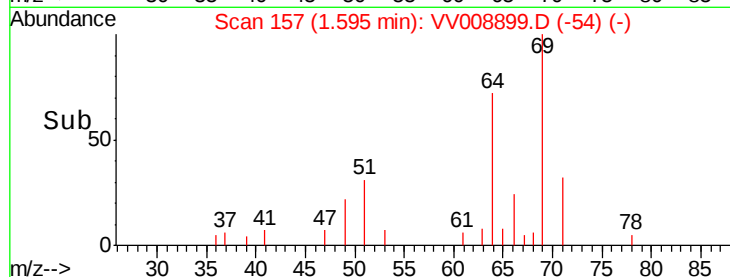
1.56

1.58

1.60

1.62

Time-->



#9

Trichlorofluoromethane

Concen: 1.535 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008899.D

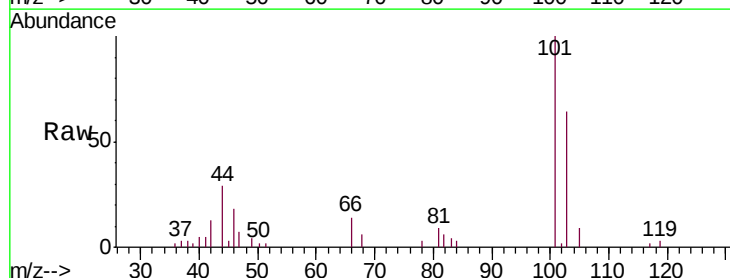
Acq: 11 Dec 2018 14:43

Tgt Ion: 101 Resp: 7229

Ion Ratio Lower Upper

101 100

103 63.8 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008899.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008899.D (-198) (-)

6000

5000

4000

3000

2000

1000

0

1.72

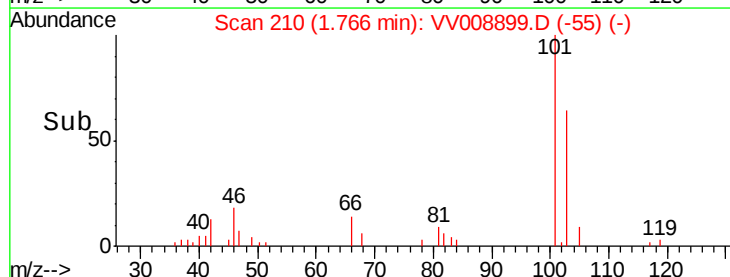
1.74

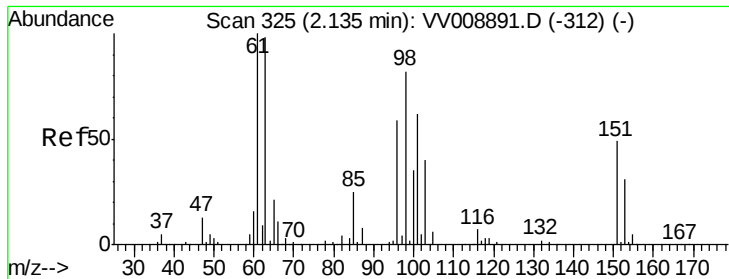
1.76

1.78

1.80

Time-->





#11

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

Concen: 1.581 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

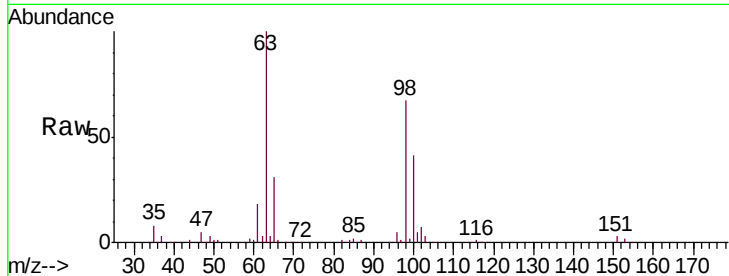
Tgt Ion:101 Resp: 5104

Ion Ratio Lower Upper

101 100

85 33.3 32.5 48.7

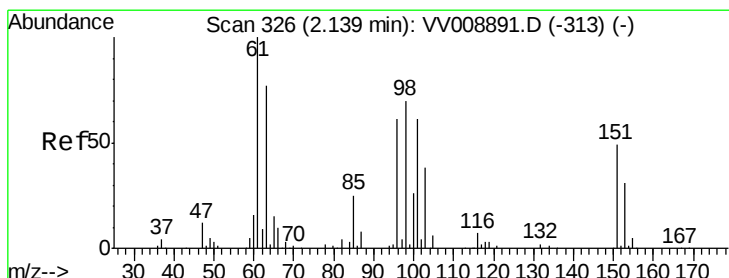
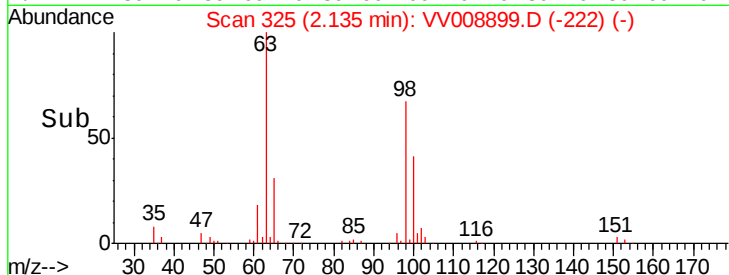
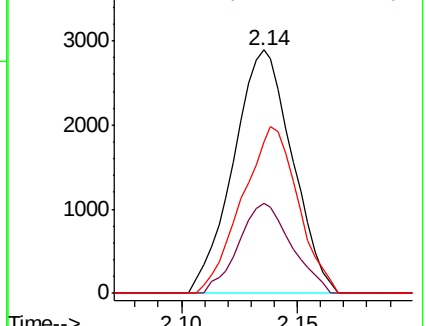
151 65.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.559 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

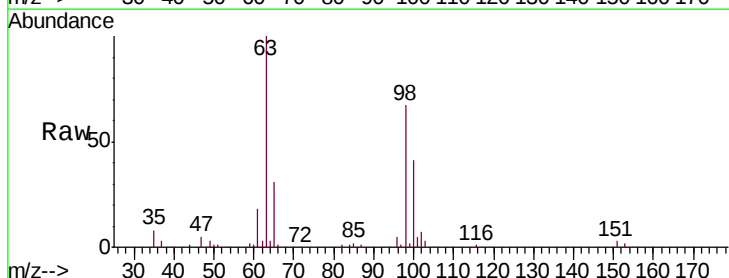
Tgt Ion: 96 Resp: 4392

Ion Ratio Lower Upper

96 100

61 366.8 114.0 211.6#

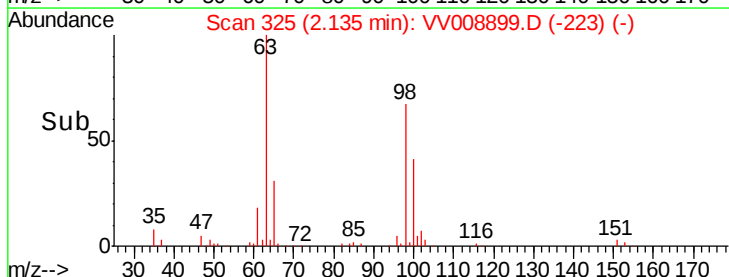
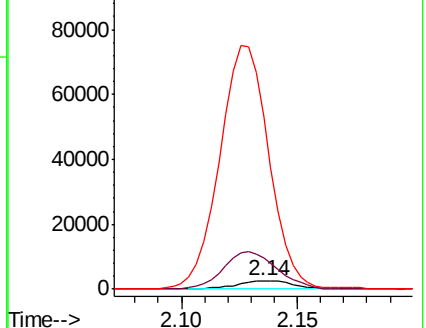
63 2038.5 82.4 153.0#

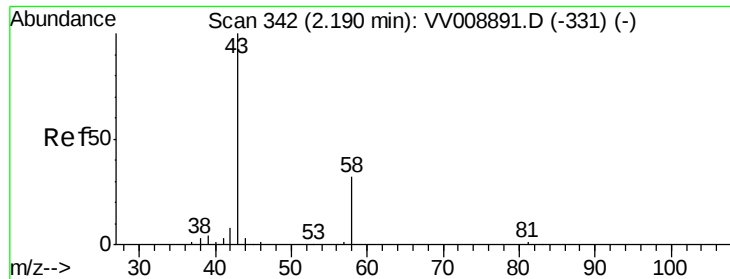


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.302 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

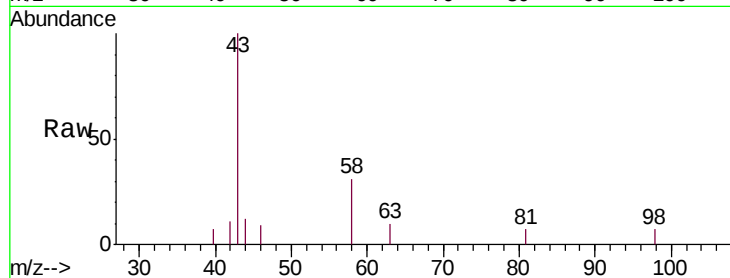
Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 43 Resp: 4007

Ion Ratio Lower Upper

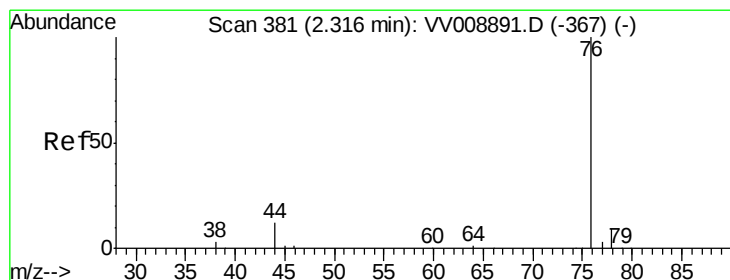
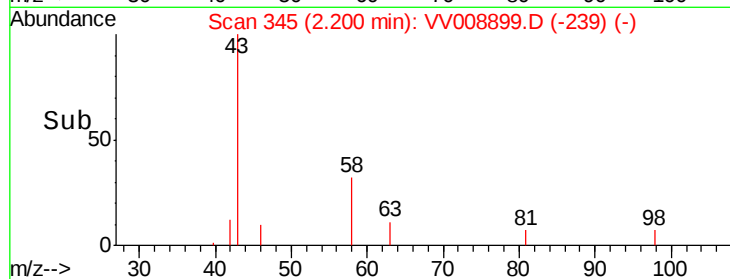
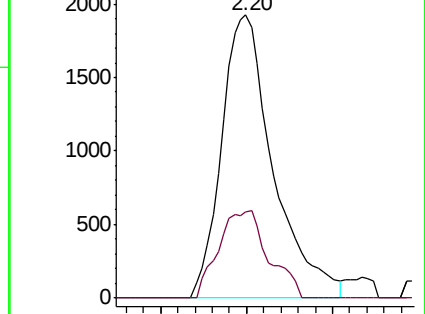
43 100

58 14.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008899.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008899.D (-331) (-)



#14

Carbon disulfide

Concen: 1.229 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008899.D

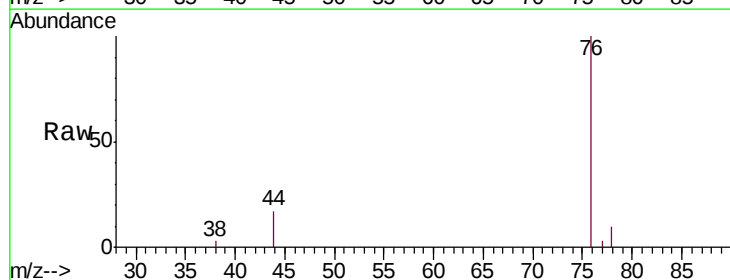
Acq: 11 Dec 2018 14:43

Tgt Ion: 76 Resp: 11120

Ion Ratio Lower Upper

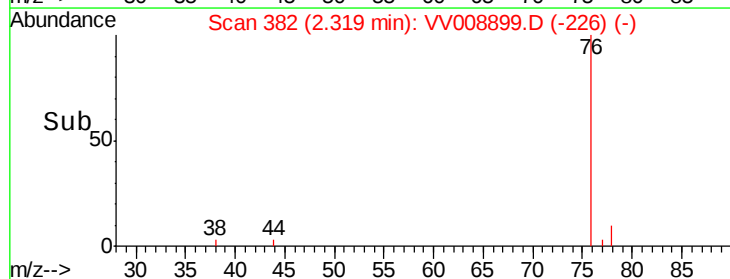
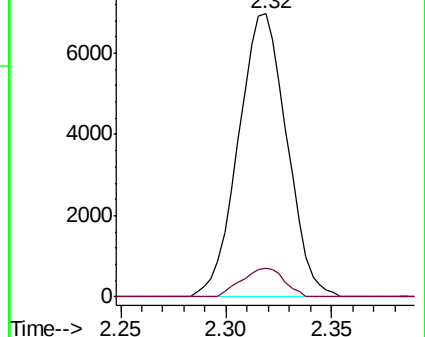
76 100

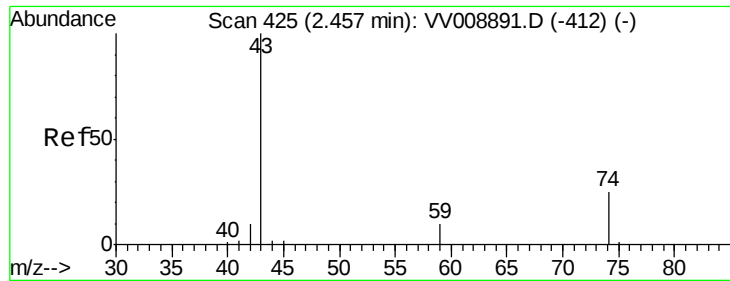
78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008899.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV008899.D (-226) (-)





#15

Methyl Acetate

Concen: 0.875 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

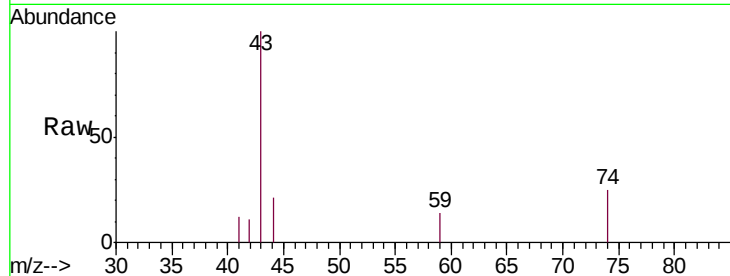
MDL07

Tgt Ion: 43 Resp: 1347

Ion Ratio Lower Upper

43 100

74 35.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VV008899.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV008899.D (-412) (-)

2.46

1000

800

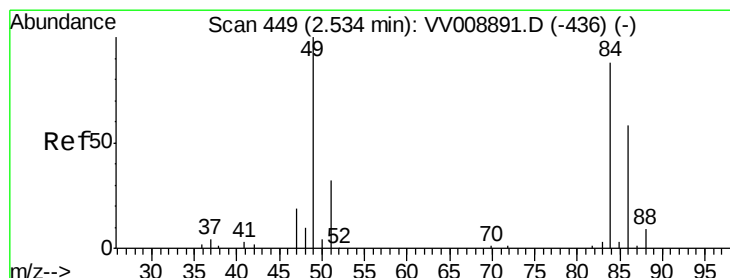
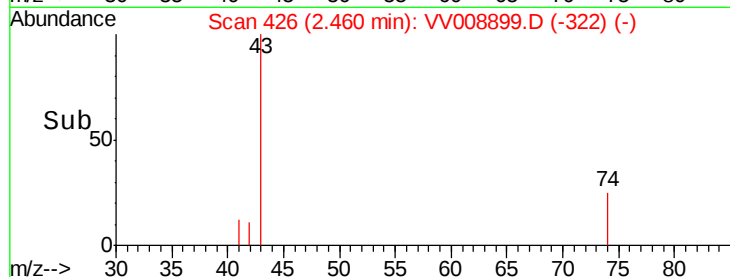
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 3.136 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

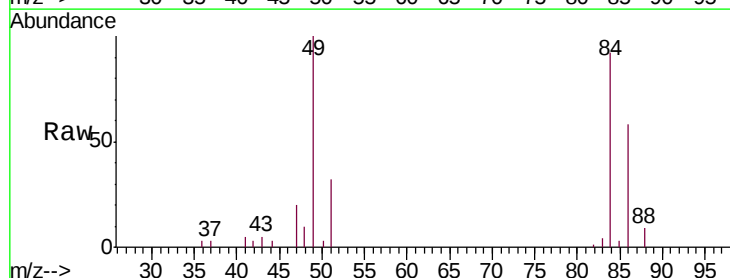
Tgt Ion: 84 Resp: 11545

Ion Ratio Lower Upper

84 100

49 108.1 80.5 149.5

86 62.5 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV008899.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV008899.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV008899.D (-436) (-)

10000

8000

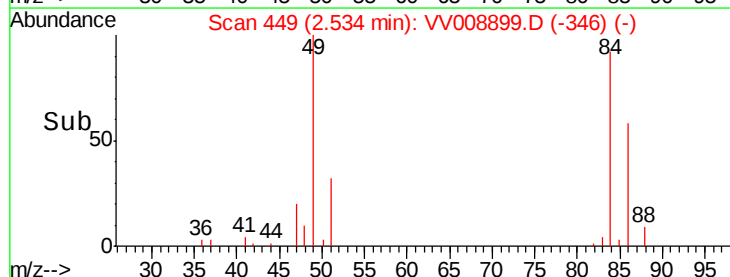
6000

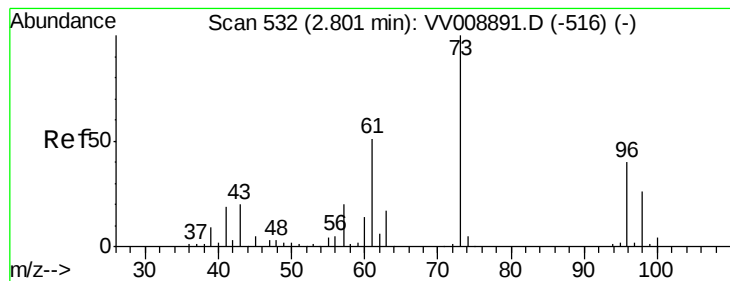
4000

2000

0

Time-->





#17

Methyl tert-butyl Ether

Concen: 1.249 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

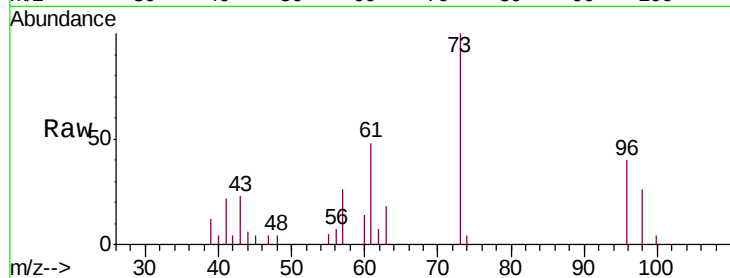
Tgt Ion: 73 Resp: 7993

Ion Ratio Lower Upper

73 100

43 20.7 14.9 22.3

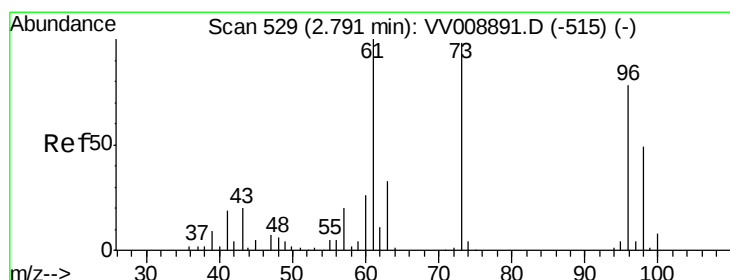
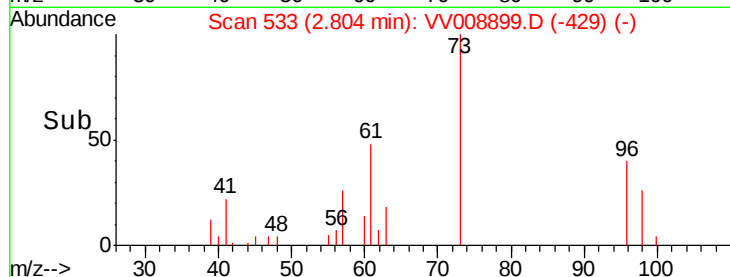
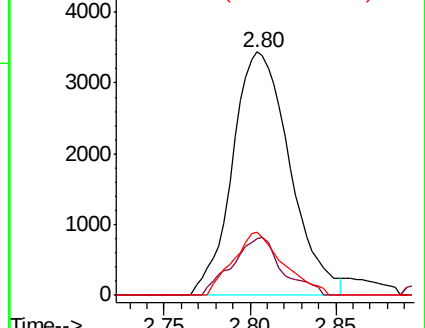
57 22.8 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV008899.D (-516) (-)

Ion 43.00 (42.70 to 43.70): VV008899.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VV008899.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.178 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

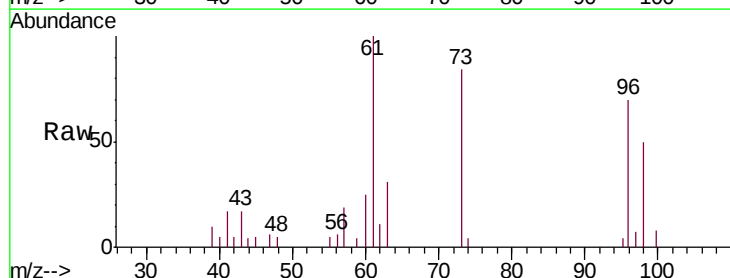
Tgt Ion: 96 Resp: 3587

Ion Ratio Lower Upper

96 100

61 142.5 94.6 175.8

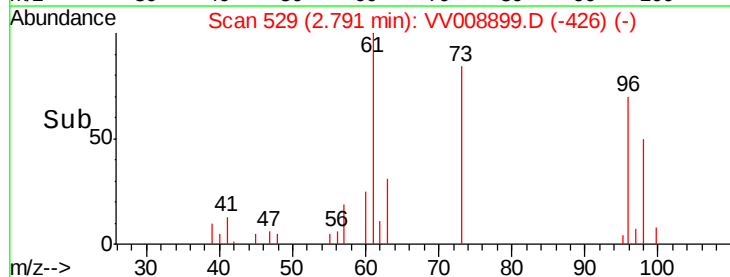
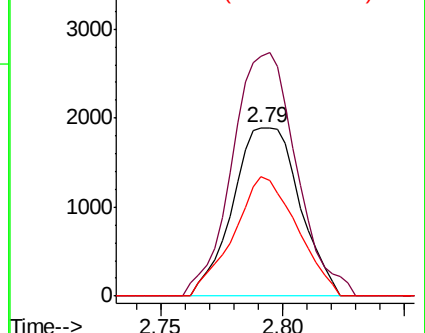
98 71.1 45.3 84.1

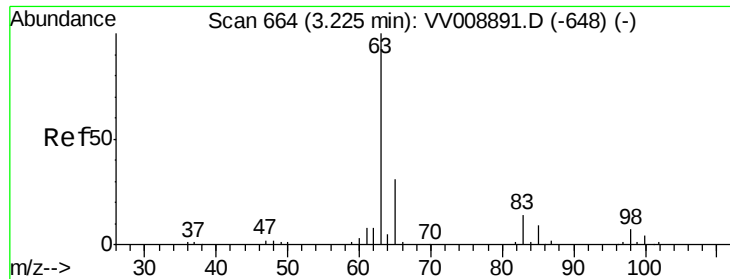


Abundance Ion 96.00 (95.70 to 96.70): VV008899.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV008899.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV008899.D (-426) (-)

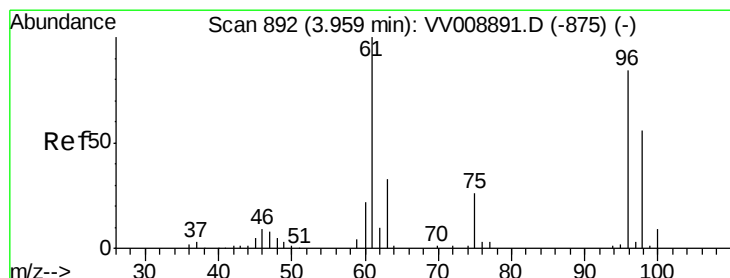
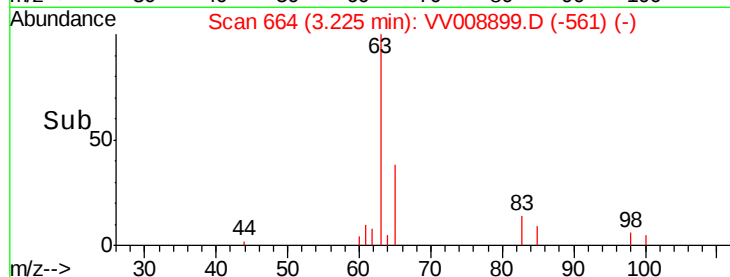
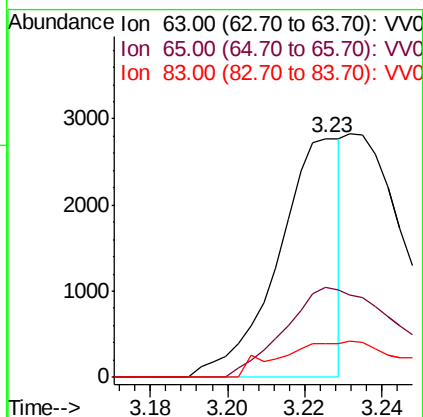
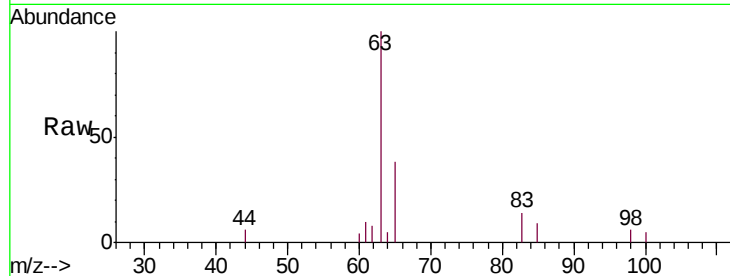




#19
 1,1-Dichloroethane
 Concen: 0.632 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

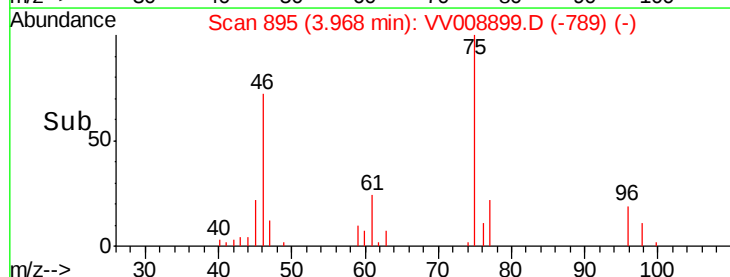
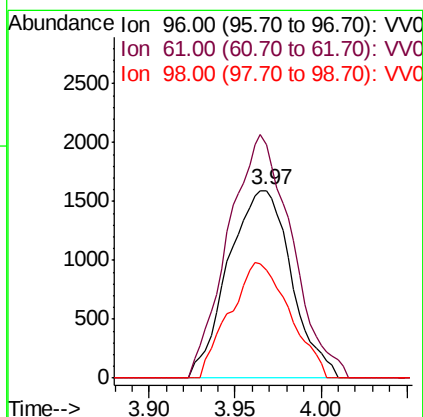
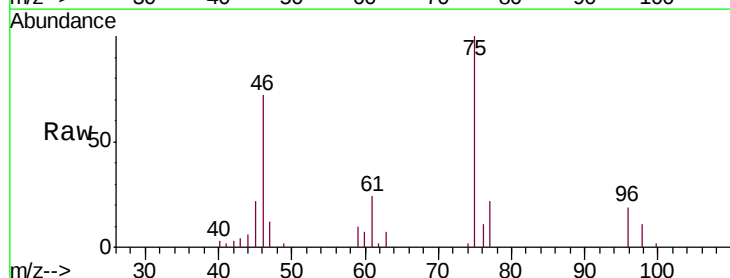
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

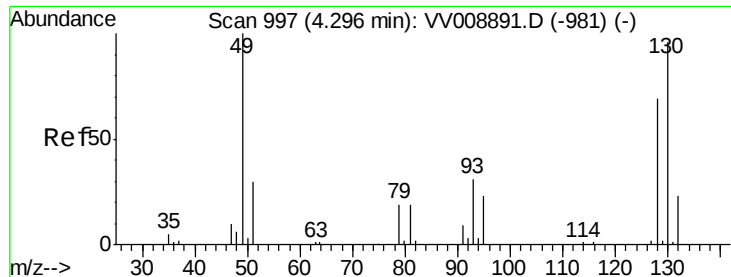
Tgt Ion: 63 Resp: 3118
 Ion Ratio Lower Upper
 63 100
 65 37.9 22.7 42.1
 83 13.9 10.2 19.0



#22
 cis-1,2-Dichloroethene
 Concen: 1.279 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion: 96 Resp: 4062
 Ion Ratio Lower Upper
 96 100
 61 124.1 86.2 160.0
 98 57.6 45.6 84.6





#23

Bromochloromethane

Concen: 1.268 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:128 Resp: 1898

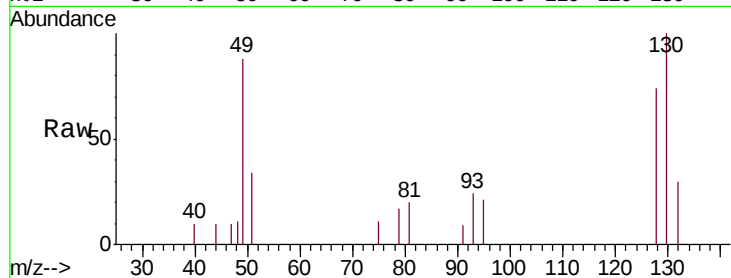
Ion Ratio Lower Upper

128 100

49 119.1 93.8 174.2

130 134.7 90.4 168.0

51 46.1 34.2 51.4

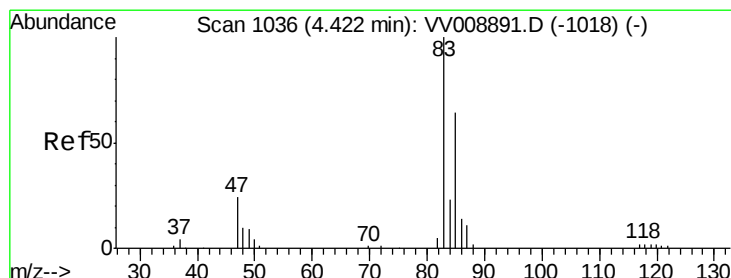
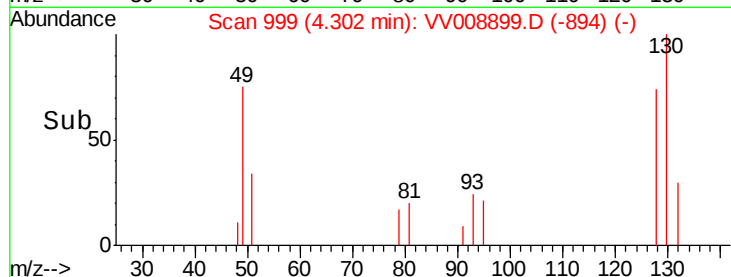
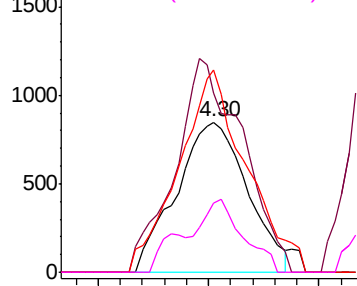


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 1.763 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV008899.D

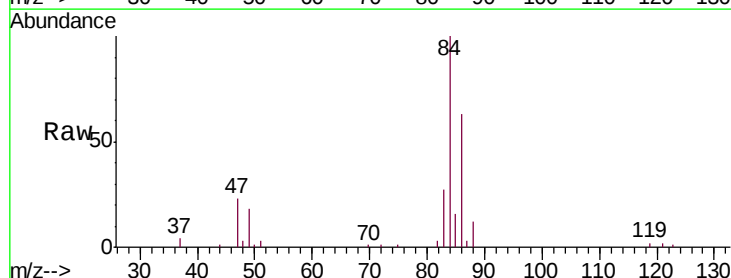
Acq: 11 Dec 2018 14:43

Tgt Ion: 83 Resp: 9339

Ion Ratio Lower Upper

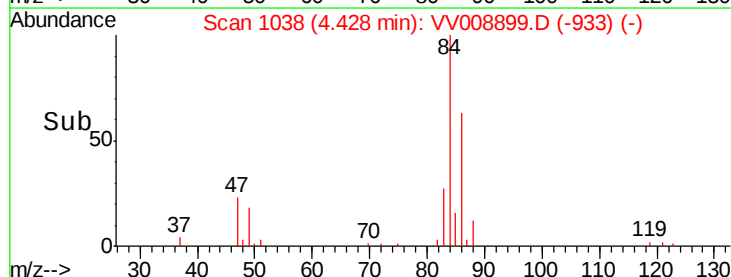
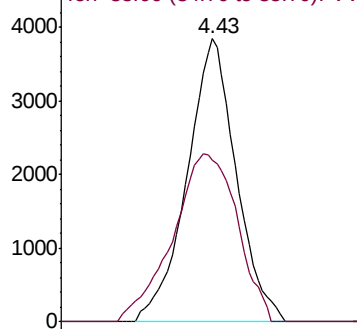
83 100

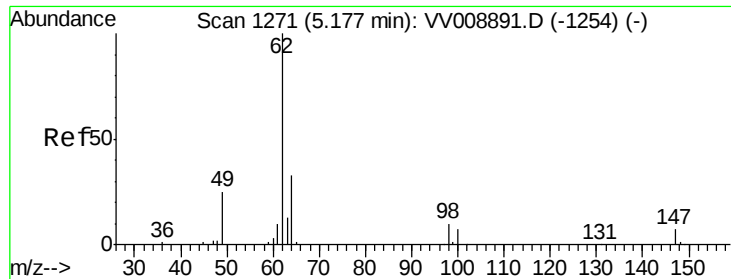
85 77.9 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 1.277 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

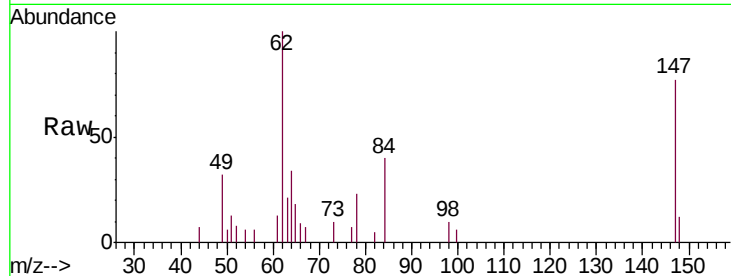
MDL07

Tgt Ion: 62 Resp: 4609

Ion Ratio Lower Upper

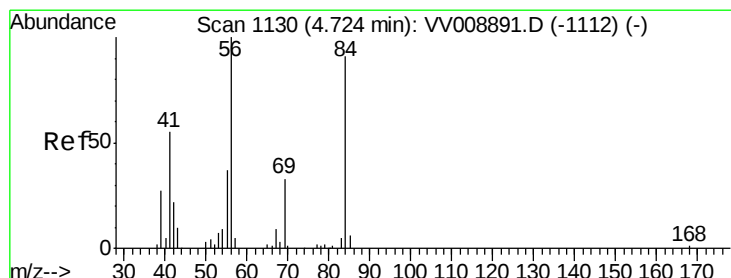
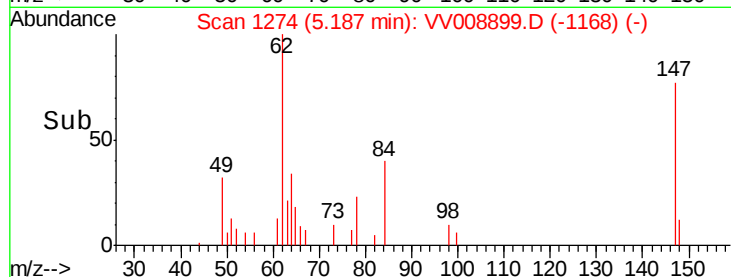
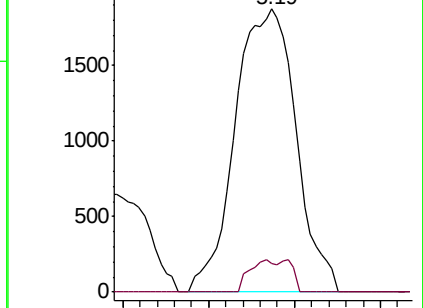
62 100

98 10.3 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV008899.D (-1254) (-)

Ion 98.00 (97.70 to 98.70): VV008899.D (-1254) (-)



#30

Cyclohexane

Concen: 1.230 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

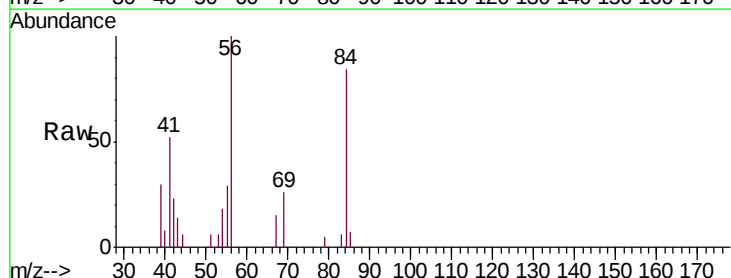
Tgt Ion: 56 Resp: 5695

Ion Ratio Lower Upper

56 100

69 30.6 25.8 38.8

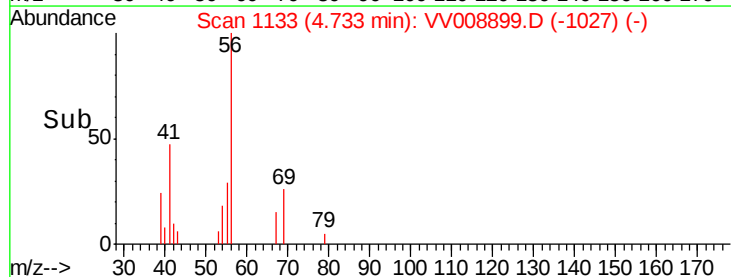
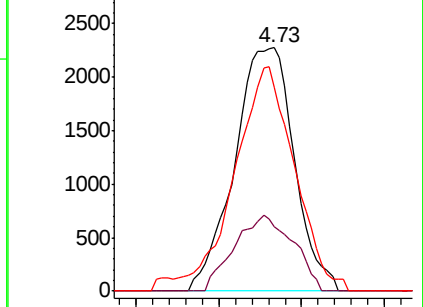
84 91.2 73.0 109.6

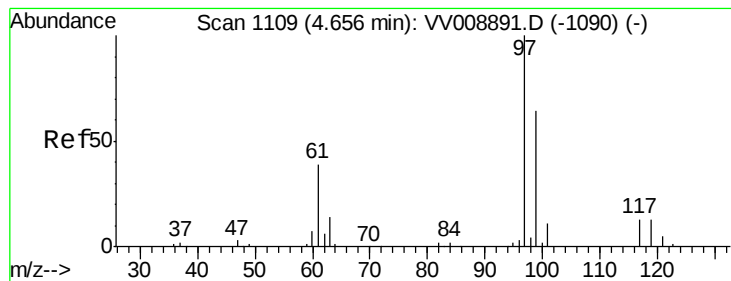


Abundance Ion 56.00 (55.70 to 56.70): VV008899.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV008899.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV008899.D (-1027) (-)





#31

1,1,1-Trichloroethane

Concen: 1.248 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

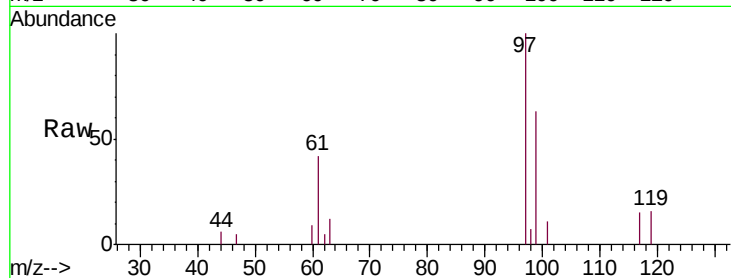
Tgt Ion: 97 Resp: 5915

Ion Ratio Lower Upper

97 100

99 67.4 51.9 77.9

61 39.6 33.1 49.7

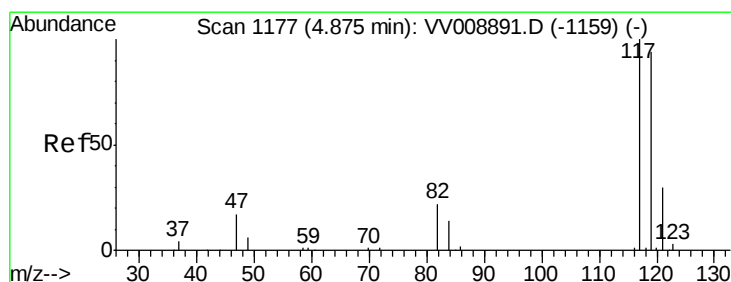
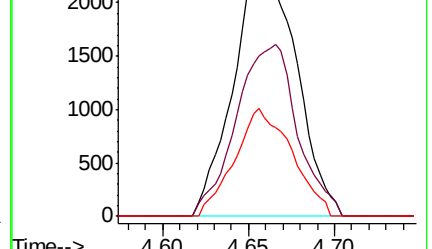
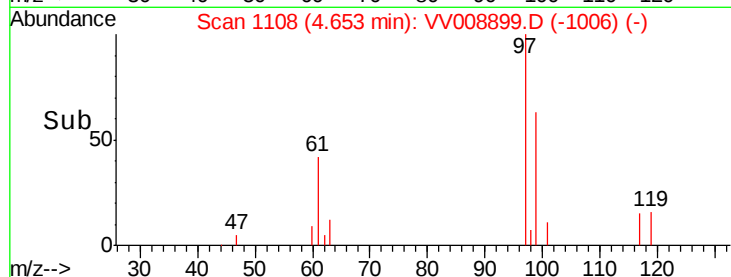


Abundance Ion 97.00 (96.70 to 97.70): VV008899.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV008899.D (-1090) (-)

Ion 61.00 (60.70 to 61.70): VV008899.D (-1090) (-)

Time-->



#32

Carbon tetrachloride

Concen: 1.249 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV008899.D

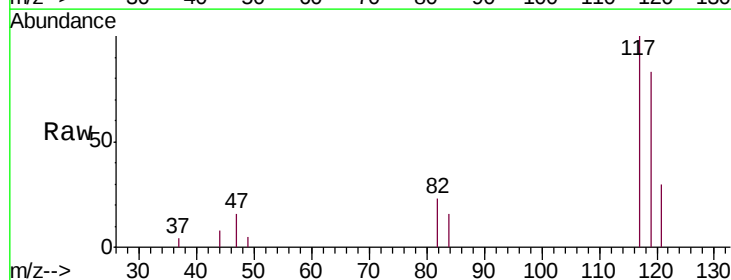
Acq: 11 Dec 2018 14:43

Tgt Ion: 117 Resp: 5405

Ion Ratio Lower Upper

117 100

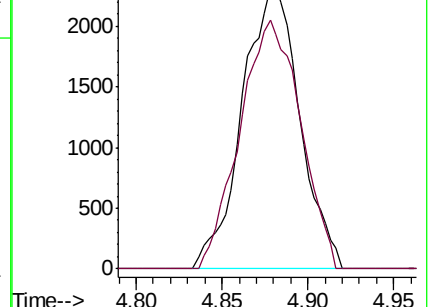
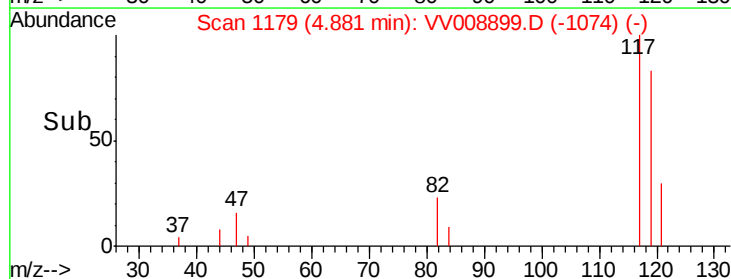
119 92.8 77.1 115.7

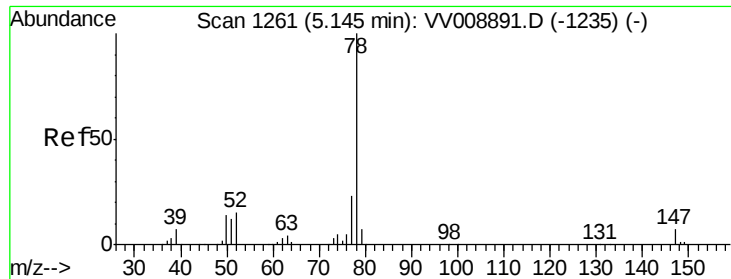


Abundance Ion 117.00 (116.70 to 117.70): VV008899.D (-1074) (-)

Ion 119.00 (118.70 to 119.70): VV008899.D (-1074) (-)

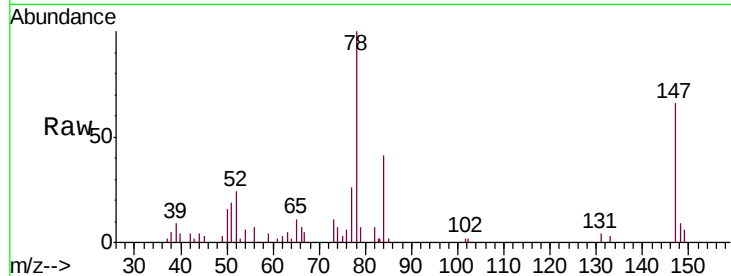
Time-->



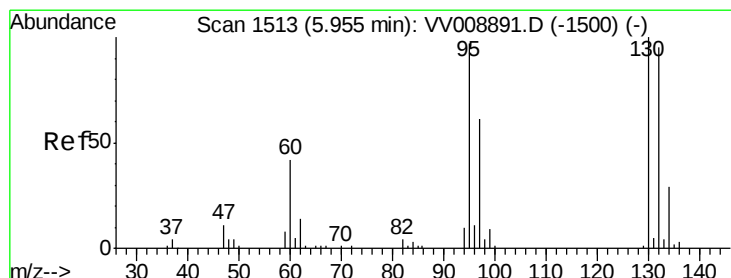
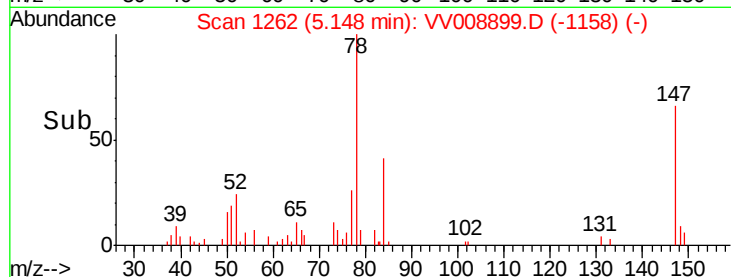
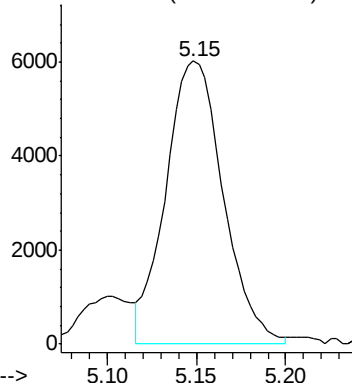


#34
Benzene
Concen: 1.229 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43
Tgt Ion: 78 Resp: 13536

Instrument :
MSVOA_V
ClientSampled :
MDL07



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35
Trichloroethene
Concen: 1.373 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

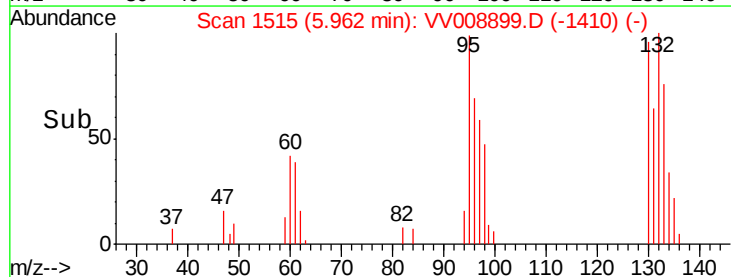
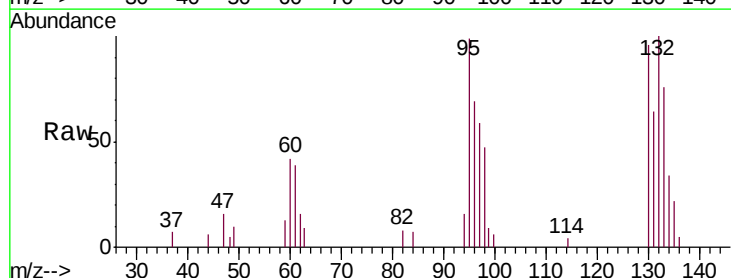
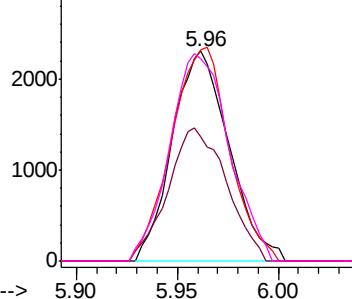
Tgt Ion: 95 Resp: 4559
Ion Ratio Lower Upper
95 100
97 65.0 45.3 84.1
132 103.1 70.0 130.0
130 103.4 73.4 136.4

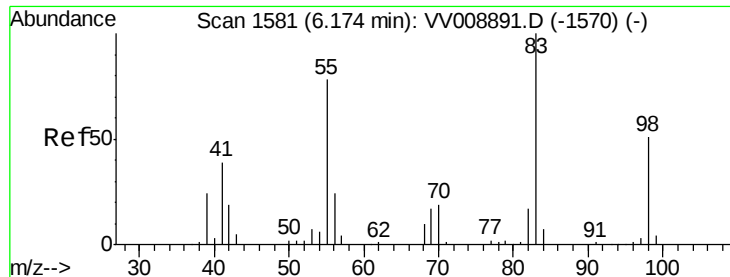
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

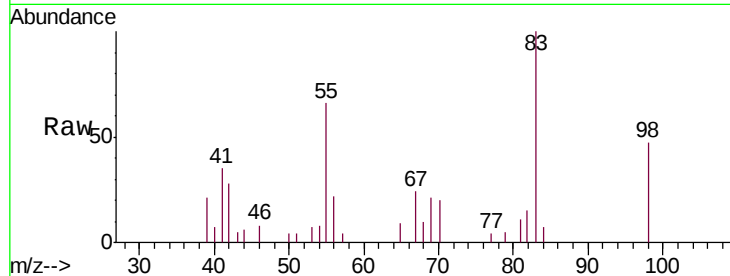




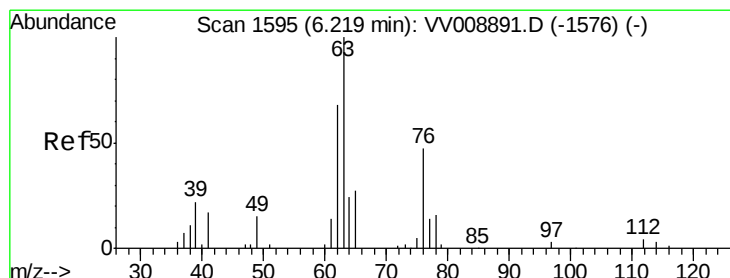
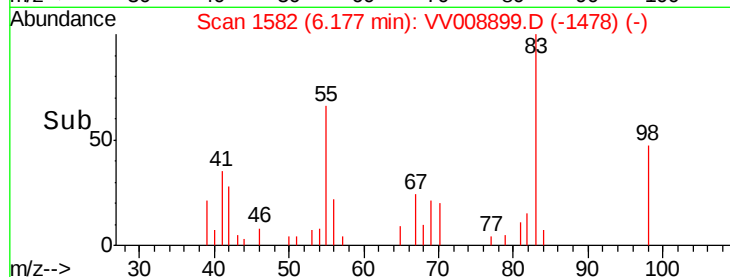
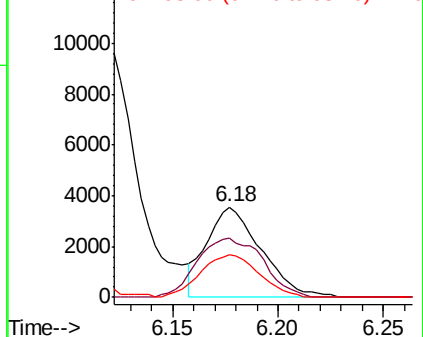
#36
Methylcyclohexane
Concen: 1.204 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 83 Resp: 6376
Ion Ratio Lower Upper
83 100
55 79.2 58.2 87.2
98 51.1 37.8 56.8

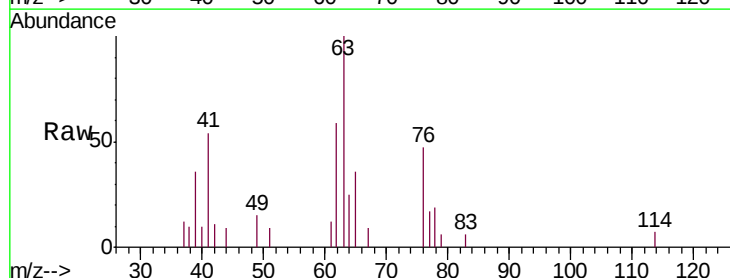


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

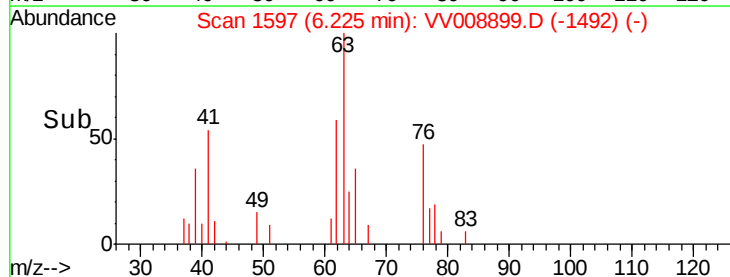
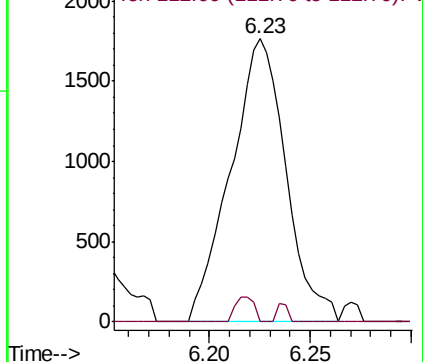


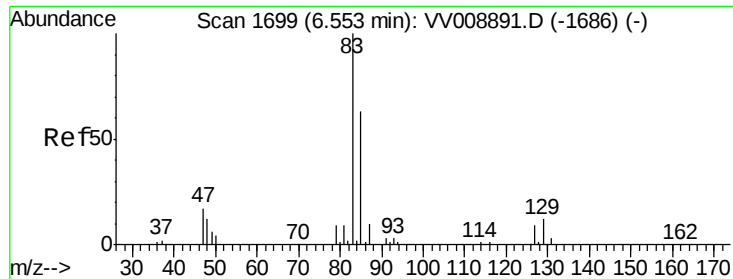
#40
1,2-Dichloropropane
Concen: 1.277 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion: 63 Resp: 3376
Ion Ratio Lower Upper
63 100
112 3.0 3.8 5.8#



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





#41

Bromodichloromethane

Concen: 1.256 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

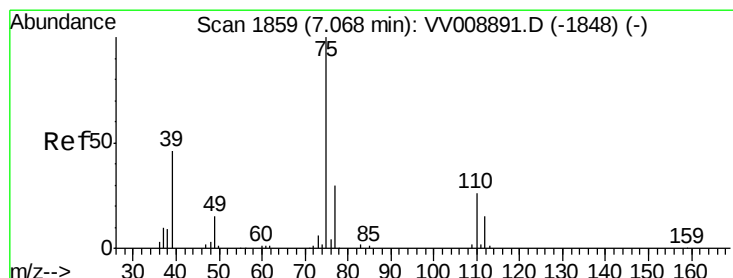
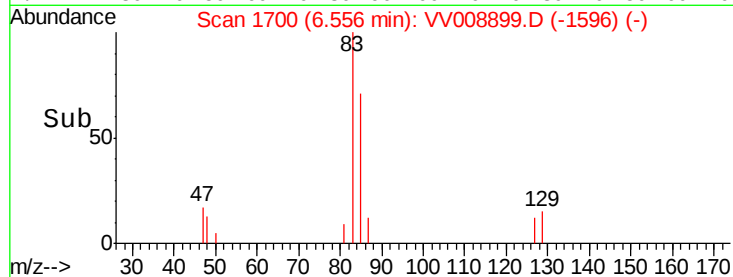
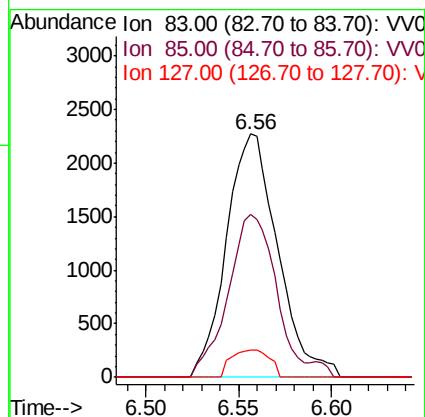
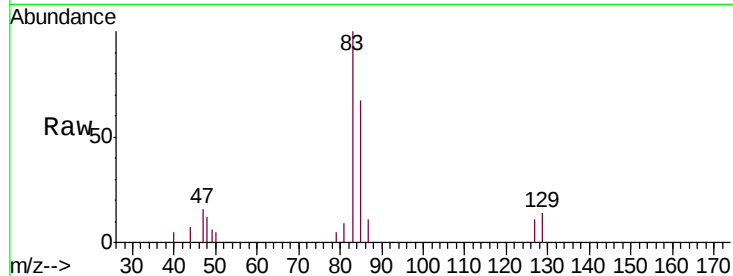
Tgt Ion: 83 Resp: 4376

Ion Ratio Lower Upper

83 100

85 67.1 45.3 84.1

127 11.2 7.2 10.8#



#42

cis-1,3-Dichloropropene

Concen: 1.272 ug/L

RT: 7.07 min Scan# 1861

Delta R.T. 0.01 min

Lab File: VV008899.D

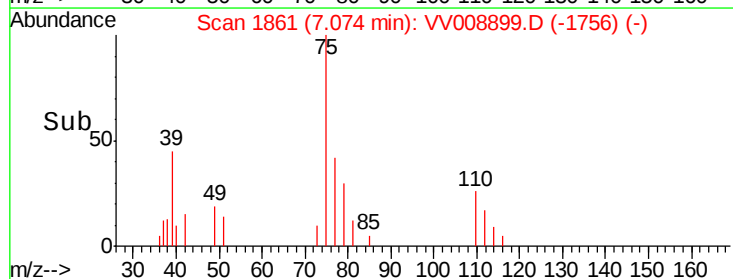
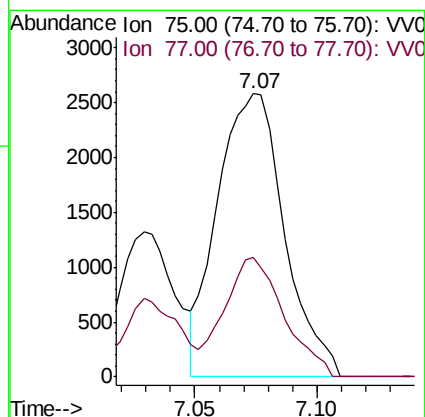
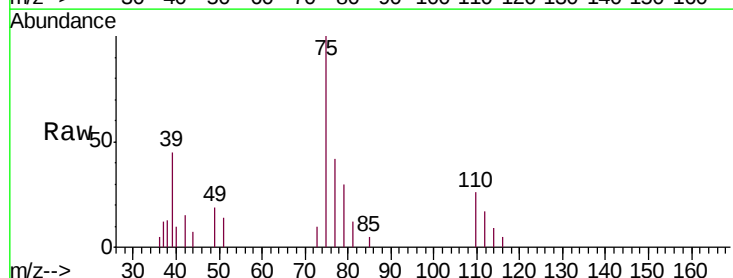
Acq: 11 Dec 2018 14:43

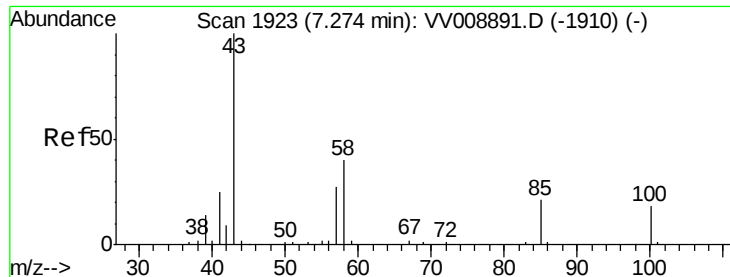
Tgt Ion: 75 Resp: 4921

Ion Ratio Lower Upper

75 100

77 42.1 21.3 39.6#

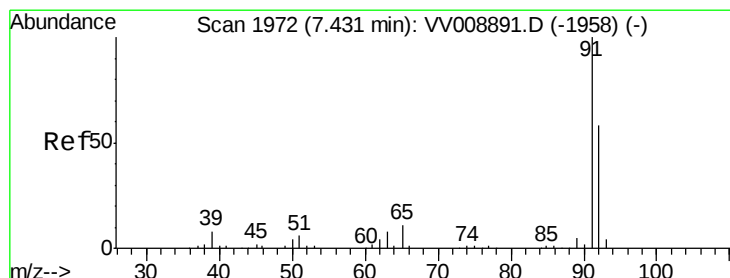
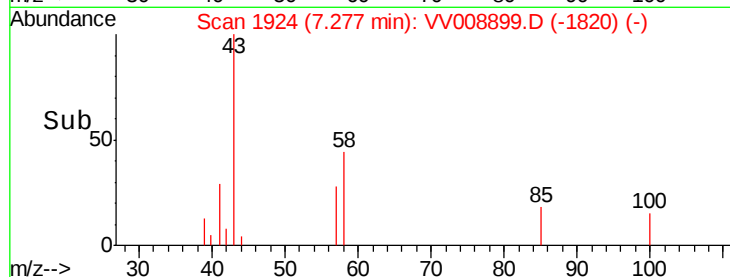
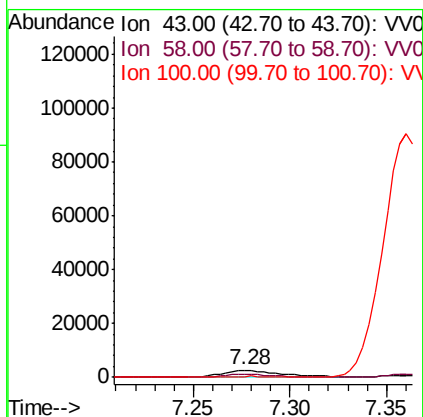
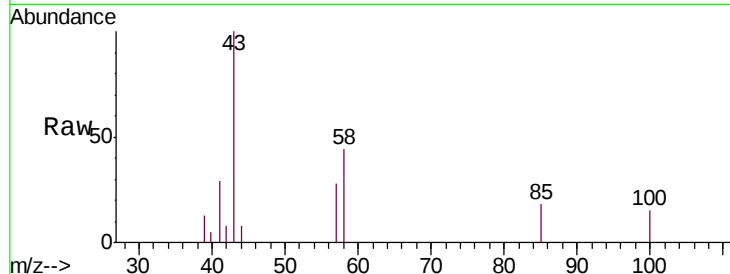




#43
4-Methyl-2-pentanone
Concen: 3.190 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

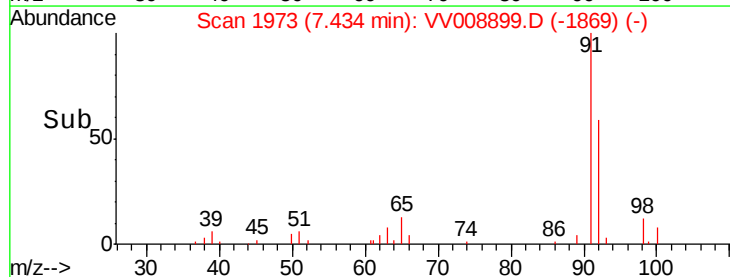
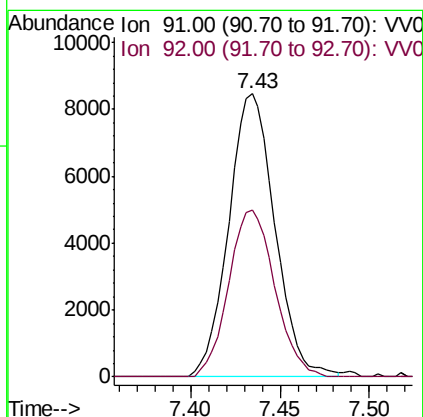
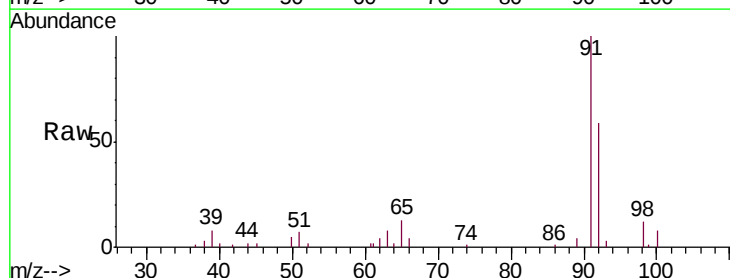
Instrument :
MSVOA_V
ClientSampleId :
MDL07

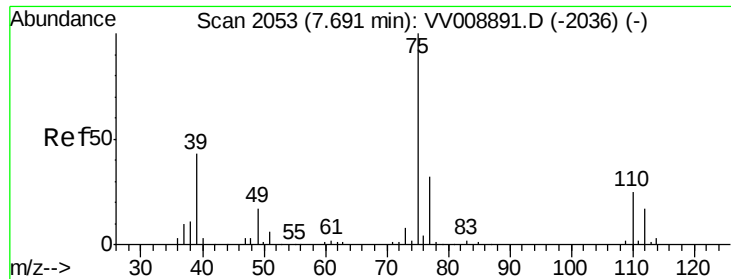
Tgt Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
58 38.4 32.2 48.4
100 11.7 13.8 20.8#



#44
Toluene
Concen: 1.325 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion: 91 Resp: 15305
Ion Ratio Lower Upper
91 100
92 58.9 41.7 77.5





#45

trans-1,3-Dichloropropene

Concen: 1.617 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

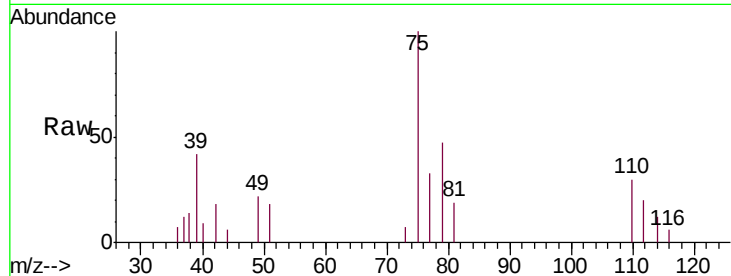
MDL07

Tgt Ion: 75 Resp: 5456

Ion Ratio Lower Upper

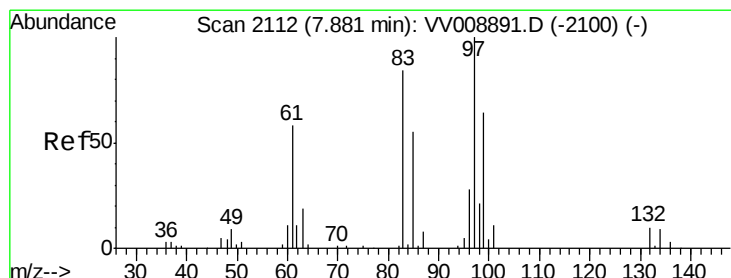
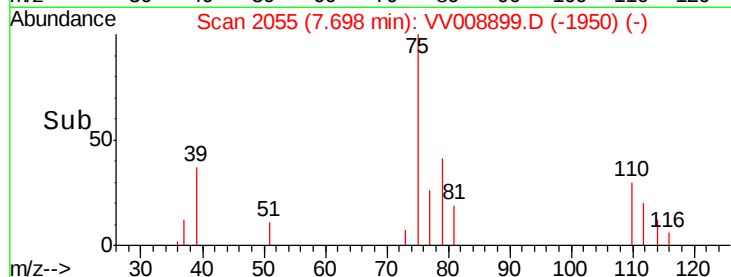
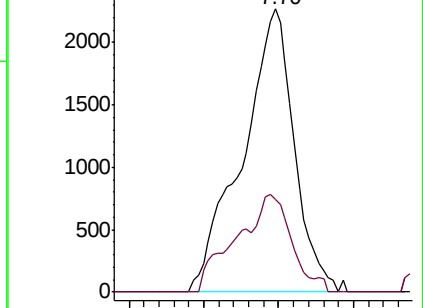
75 100

77 33.0 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008899.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008899.D (-2036) (-)



#46

1,1,2-Trichloroethane

Concen: 1.255 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion: 97 Resp: 2764

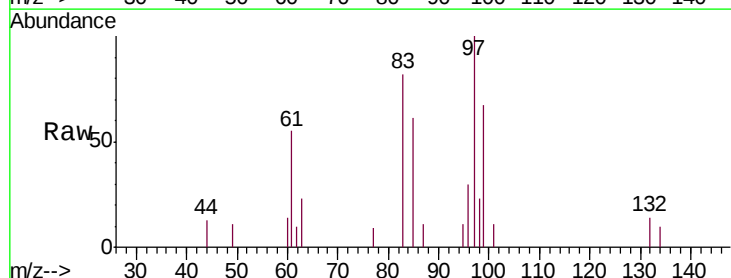
Ion Ratio Lower Upper

97 100

83 82.0 56.6 105.2

85 60.8 36.6 68.0

99 67.3 43.2 80.2

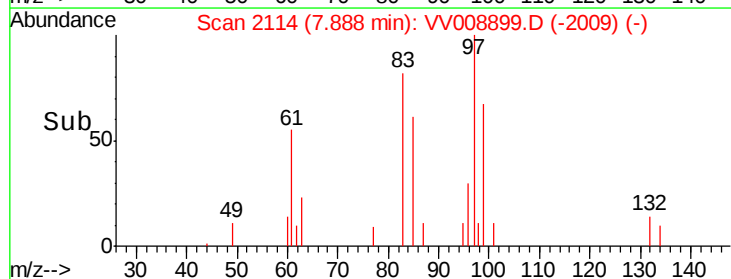
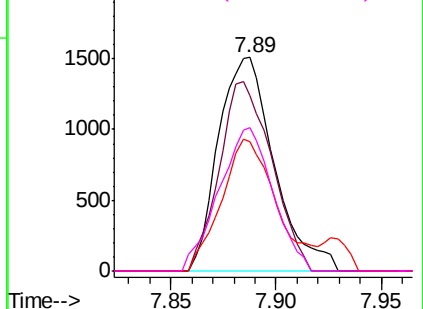


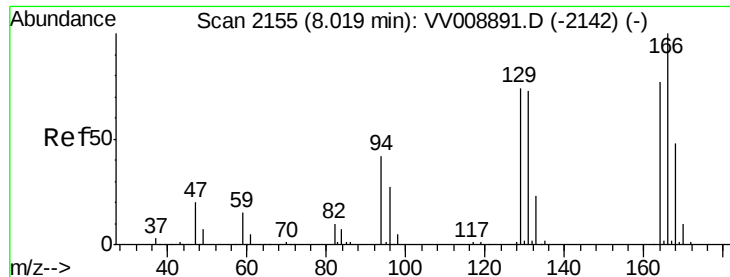
Abundance Ion 97.00 (96.70 to 97.70): VV008899.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV008899.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV008899.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV008899.D (-2099) (-)





#47

Tetrachloroethene

Concen: 1.258 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:164 Resp: 3396

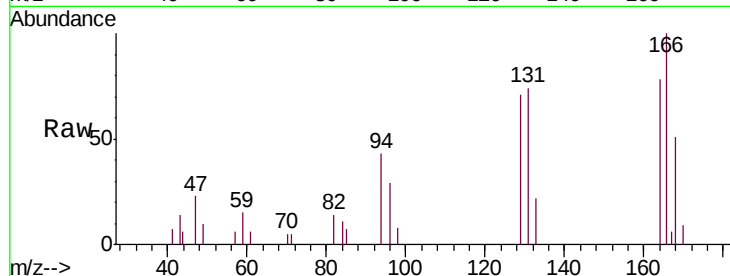
Ion Ratio Lower Upper

164 100

129 91.1 64.6 120.0

131 94.9 64.5 119.7

166 128.5 88.7 164.7

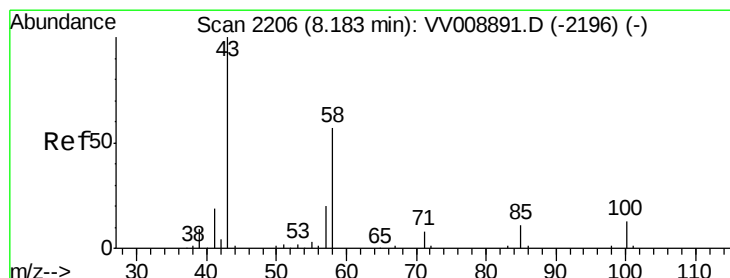
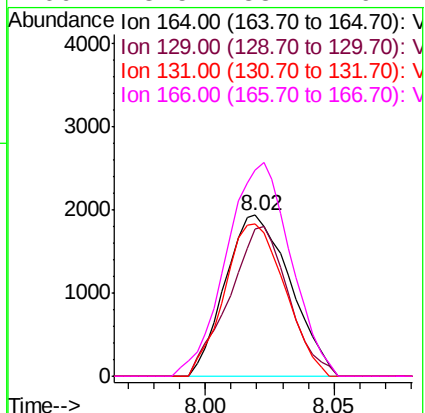
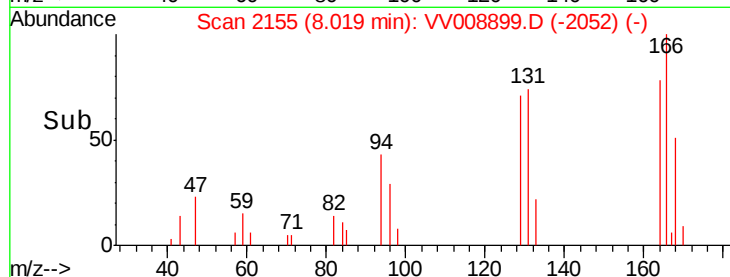


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.331 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion: 43 Resp: 6401

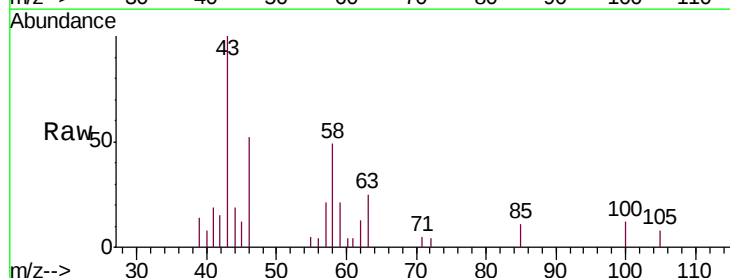
Ion Ratio Lower Upper

43 100

58 46.5 43.9 65.9

57 18.7 15.7 23.5

100 7.8 11.0 16.4#

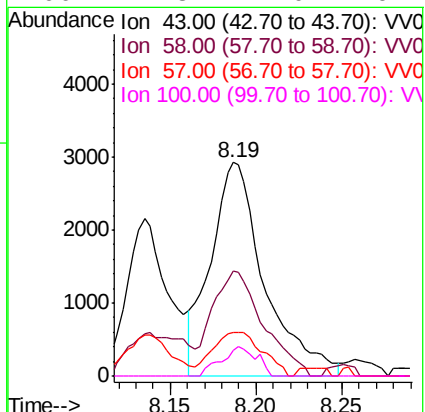
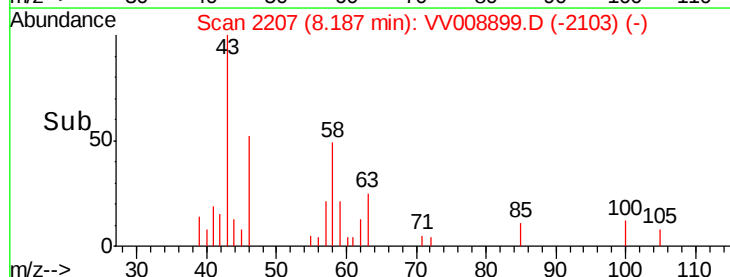


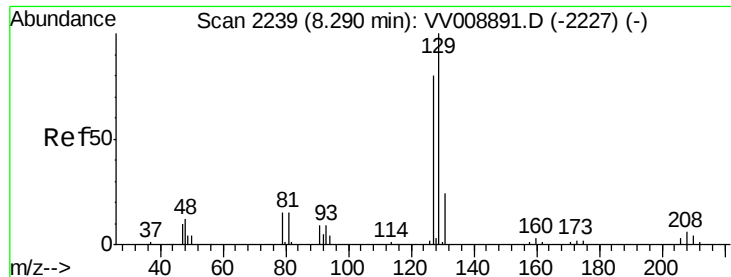
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 1.268 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

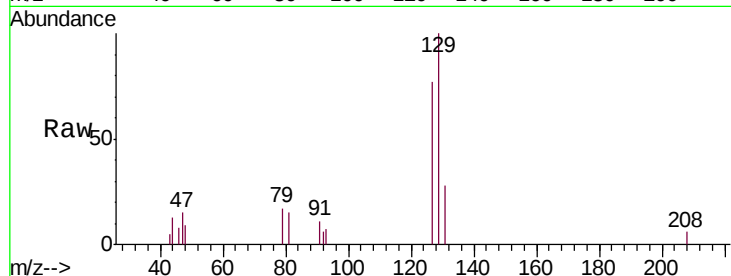
MDL07

Tgt Ion:129 Resp: 3202

Ion Ratio Lower Upper

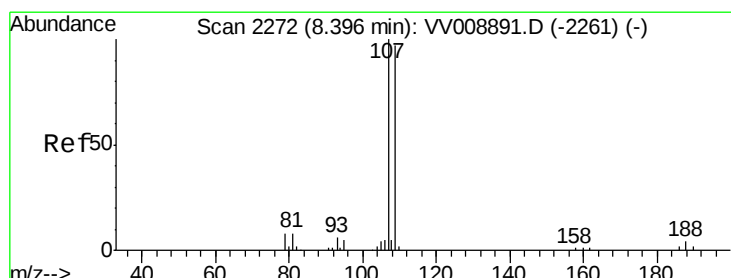
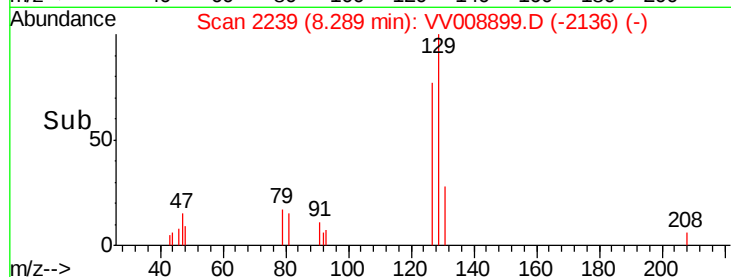
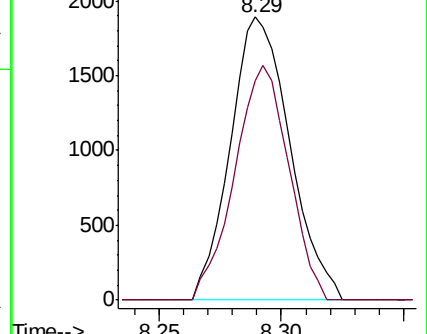
129 100

127 77.3 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: 1.305 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

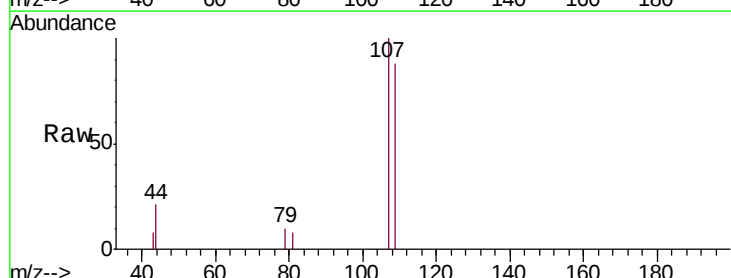
Tgt Ion:107 Resp: 2886

Ion Ratio Lower Upper

107 100

109 87.7 65.8 122.2

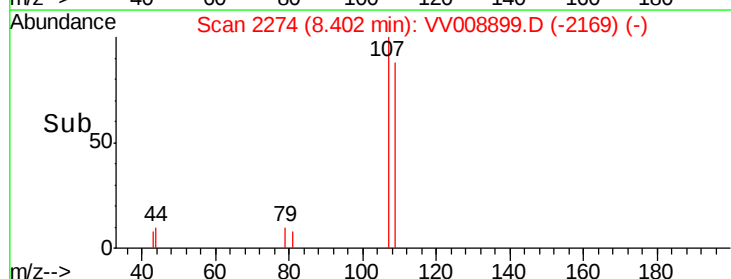
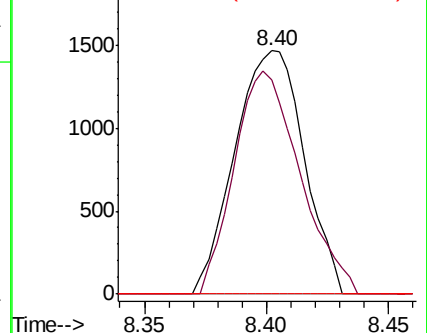
188 0.0 3.0 4.6#

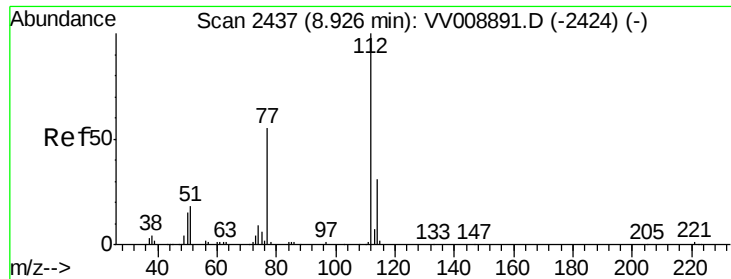


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.246 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

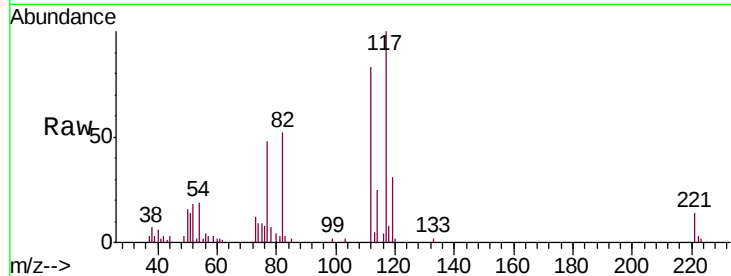
Tgt Ion: 112 Resp: 9370

Ion Ratio Lower Upper

112 100

77 58.1 44.6 66.8

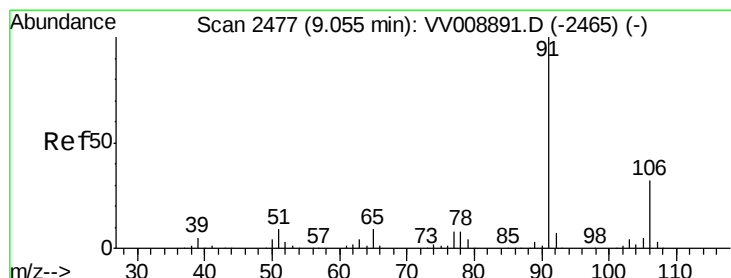
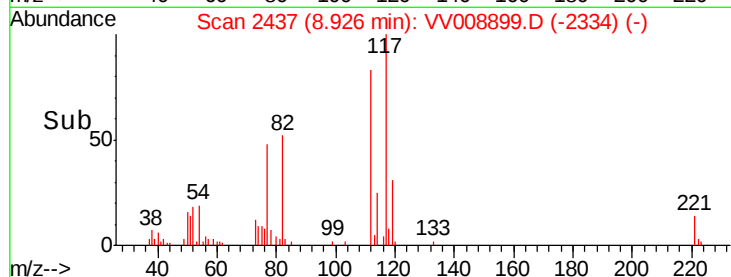
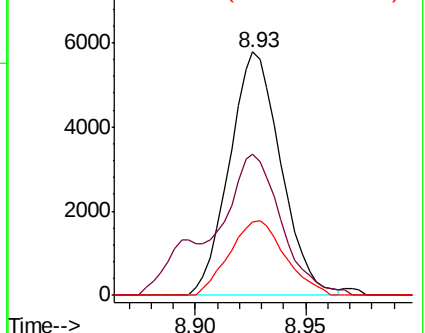
114 30.2 22.6 42.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 1.151 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008899.D

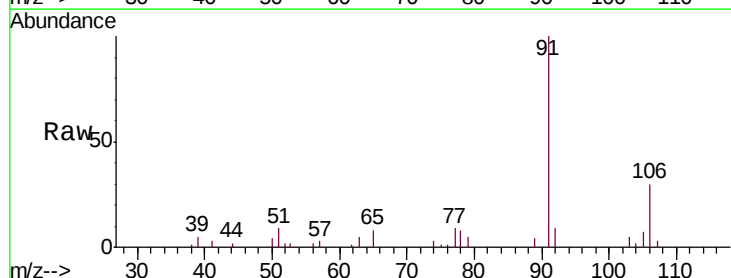
Acq: 11 Dec 2018 14:43

Tgt Ion: 91 Resp: 14418

Ion Ratio Lower Upper

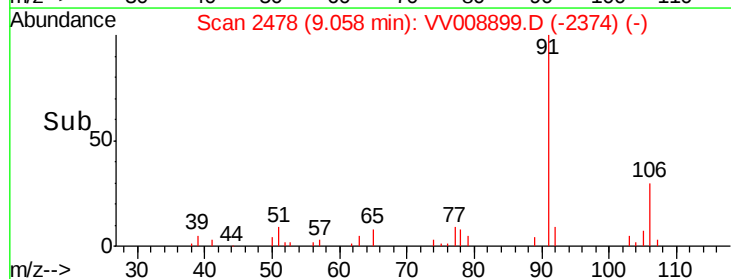
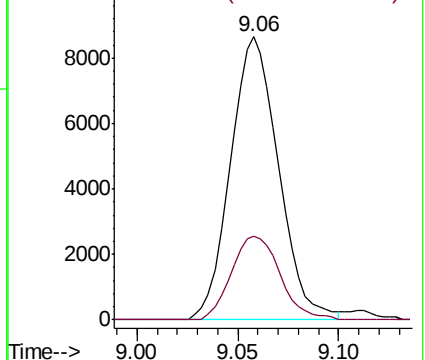
91 100

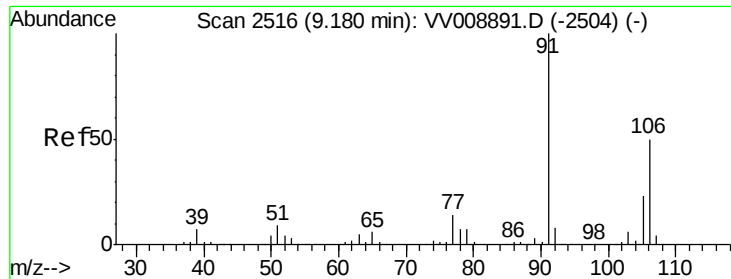
106 29.6 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.039 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

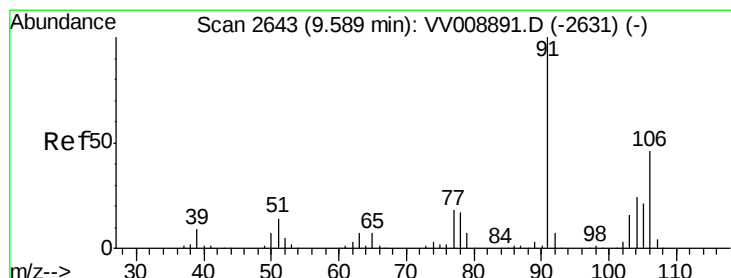
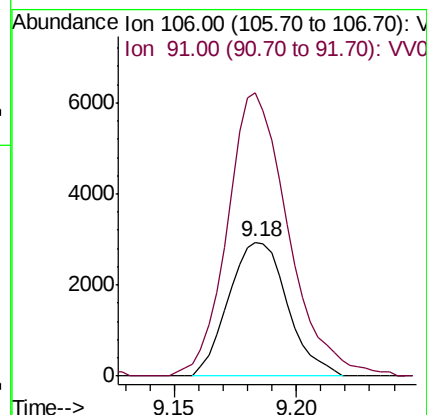
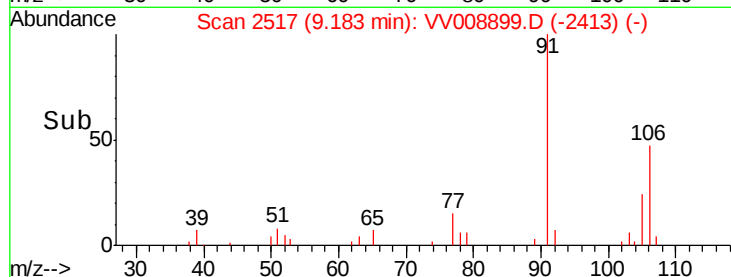
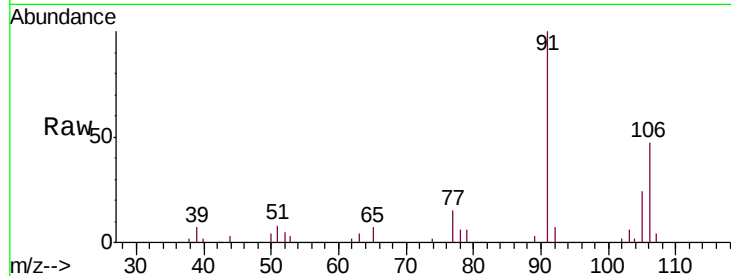
MDL07

Tgt Ion:106 Resp: 4928

Ion Ratio Lower Upper

106 100

91 211.4 141.3 262.3



#55

o-xylene

Concen: 1.119 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008899.D

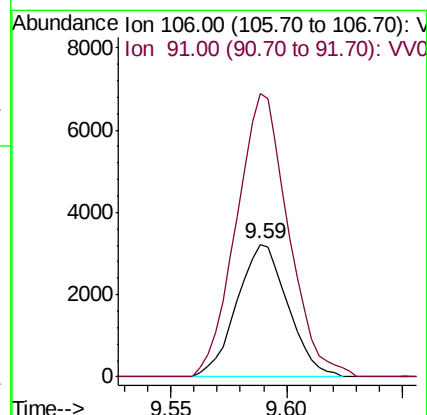
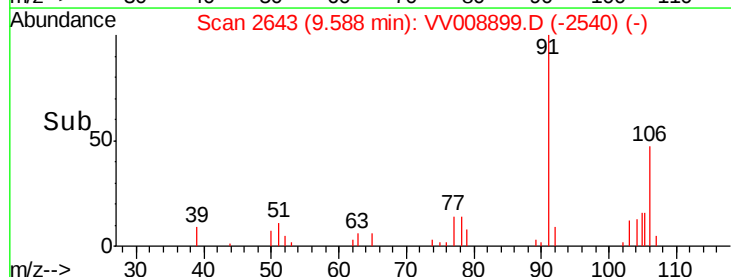
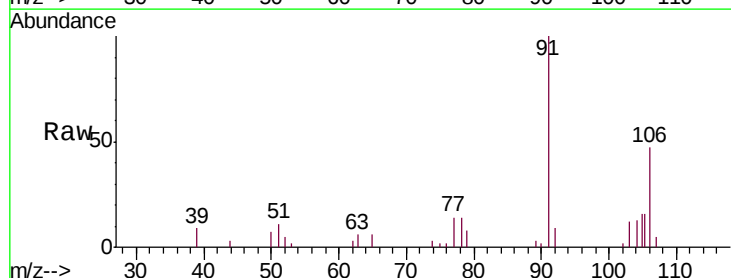
Acq: 11 Dec 2018 14:43

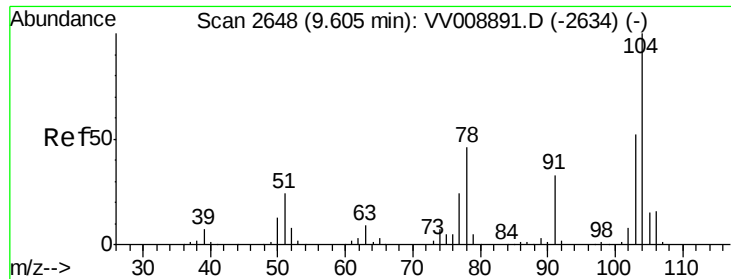
Tgt Ion:106 Resp: 4932

Ion Ratio Lower Upper

106 100

91 213.6 148.3 275.5





#56

Styrene

Concen: 1.039 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

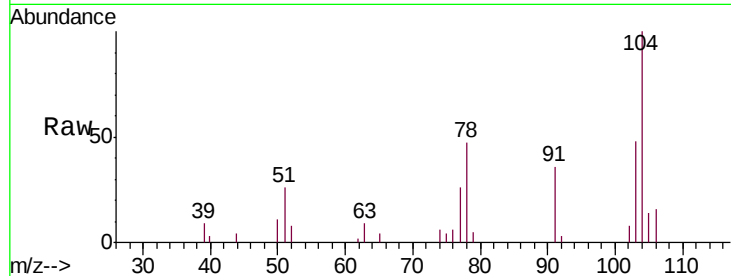
MDL07

Tgt Ion:104 Resp: 7385

Ion Ratio Lower Upper

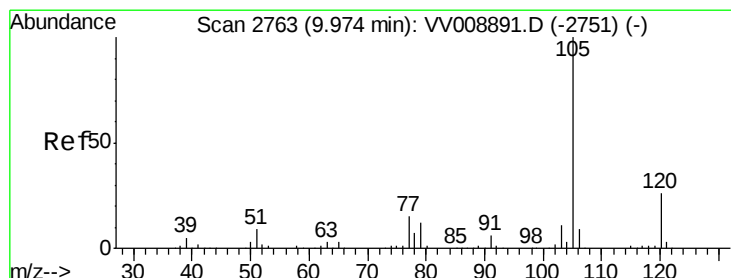
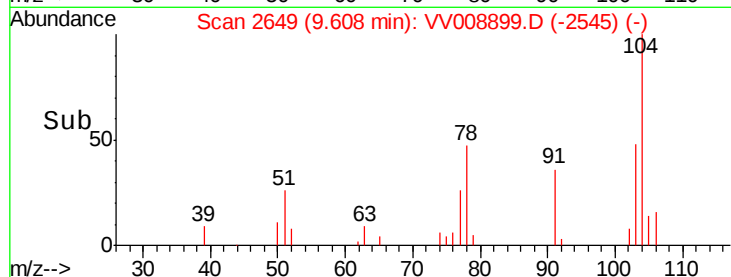
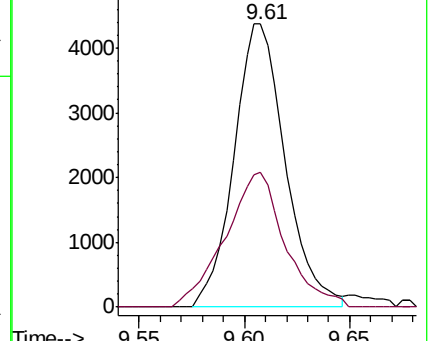
104 100

78 47.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 1.073 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

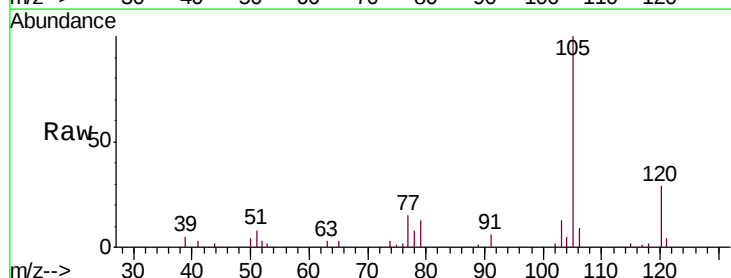
Tgt Ion:105 Resp: 12854

Ion Ratio Lower Upper

105 100

120 28.0 21.7 32.5

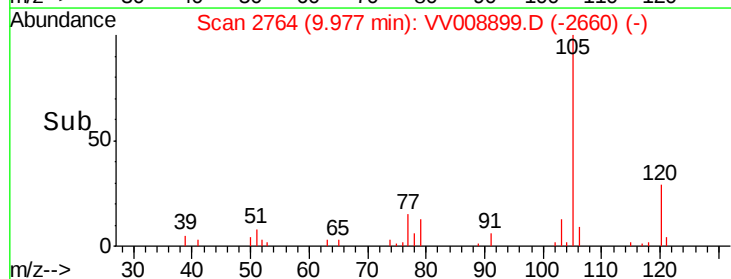
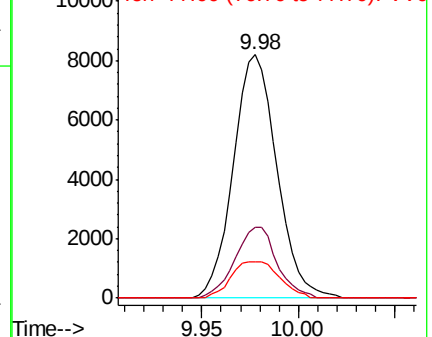
77 16.7 12.4 18.6

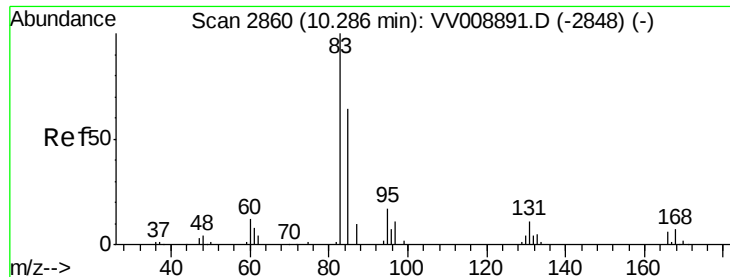


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.384 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

MDL07

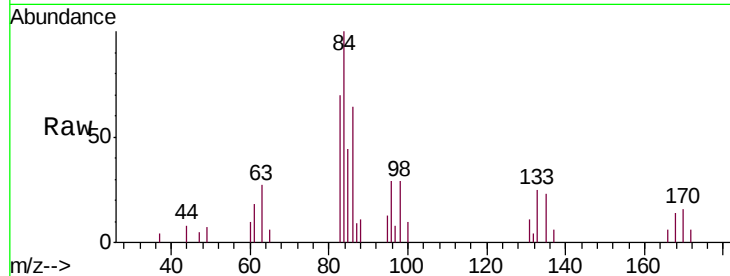
Tgt Ion: 83 Resp: 3294

Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

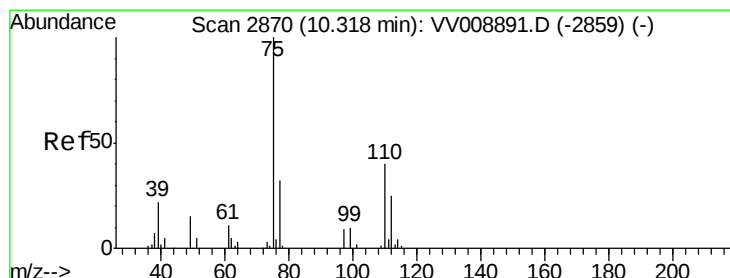
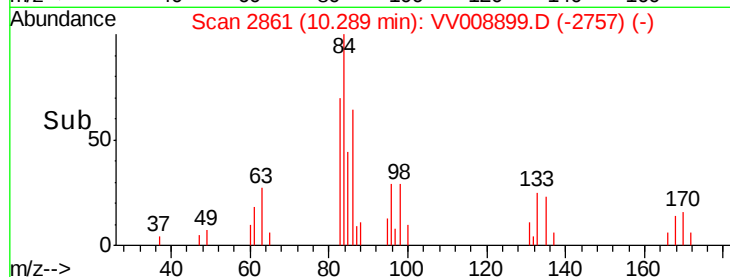
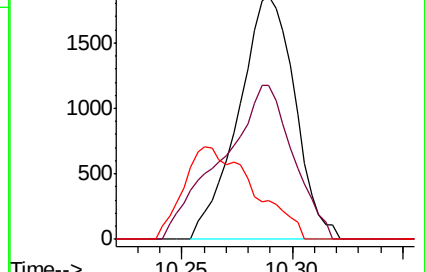
131 16.0 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VV008899.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV008899.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV008899.D (-2848) (-)



#59

1,2,3-Trichloropropane

Concen: 4.992 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV008899.D

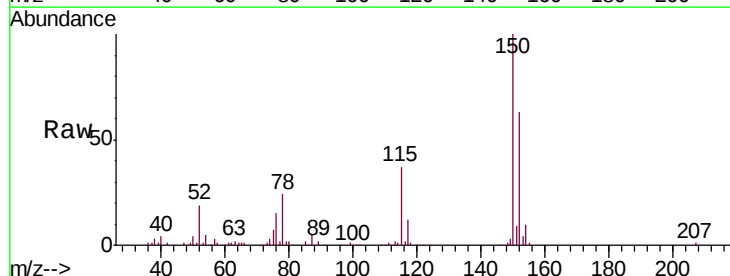
Acq: 11 Dec 2018 14:43

Tgt Ion: 75 Resp: 10283

Ion Ratio Lower Upper

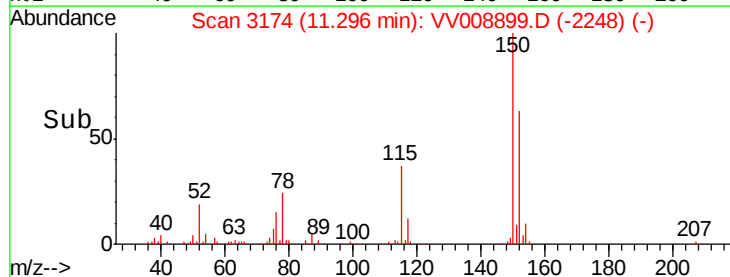
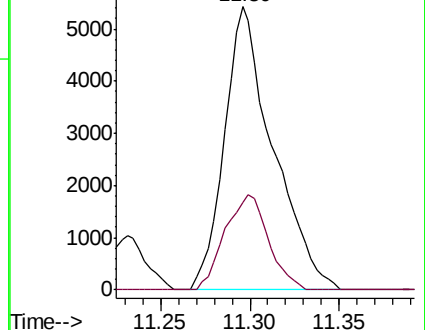
75 100

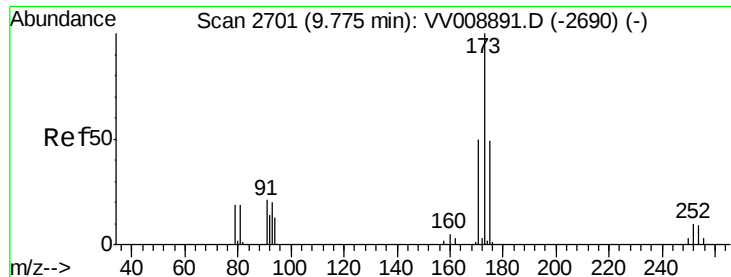
77 30.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV008899.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV008899.D (-2248) (-)





#62

Bromoform

Concen: 1.209 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

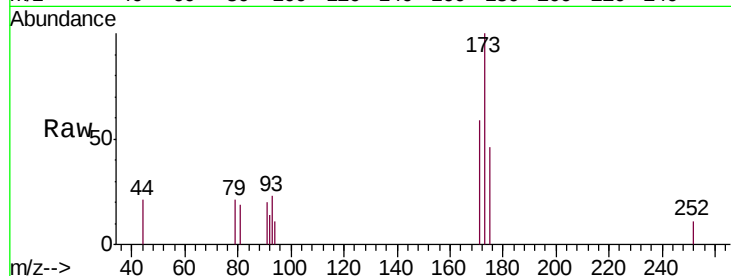
Tgt Ion:173 Resp: 1710

Ion Ratio Lower Upper

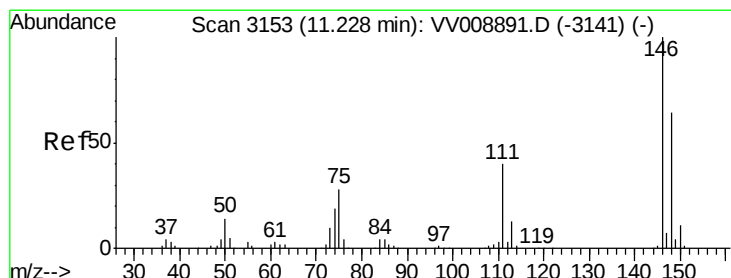
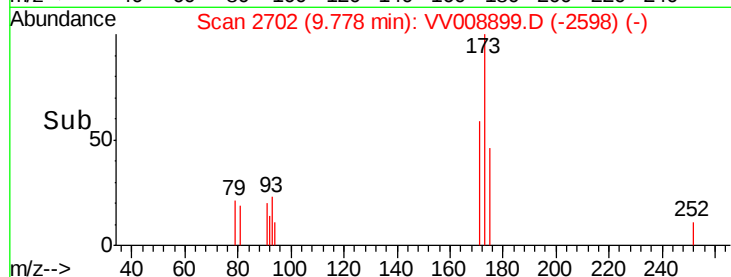
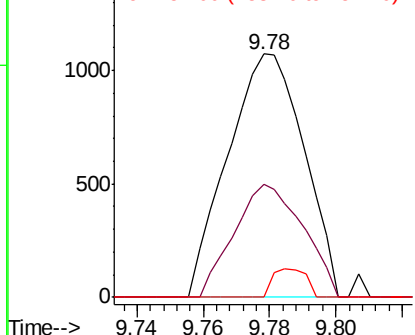
173 100

175 42.2 37.7 56.5

254 5.2 7.1 10.7#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 1.132 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

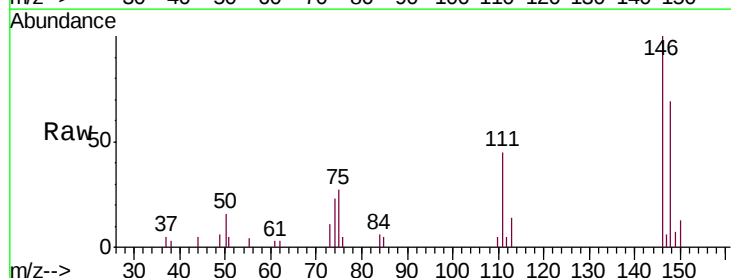
Tgt Ion:146 Resp: 5716

Ion Ratio Lower Upper

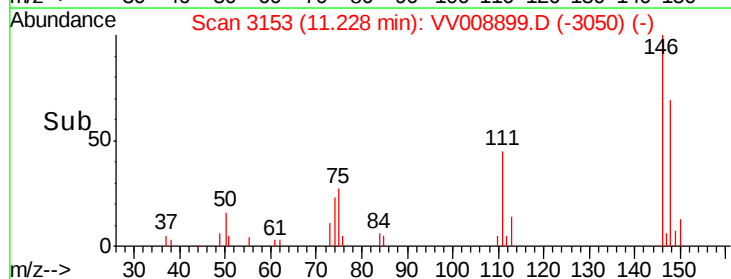
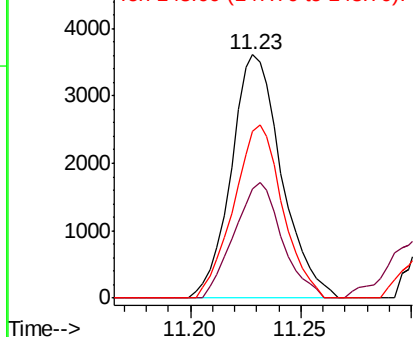
146 100

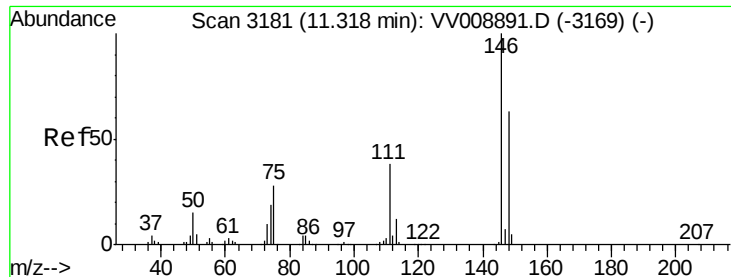
111 44.9 27.5 51.1

148 68.6 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 1.292 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

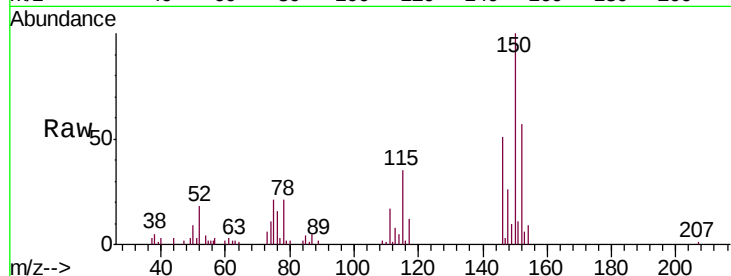
Tgt Ion:146 Resp: 6715

Ion Ratio Lower Upper

146 100

111 32.7 26.8 49.8

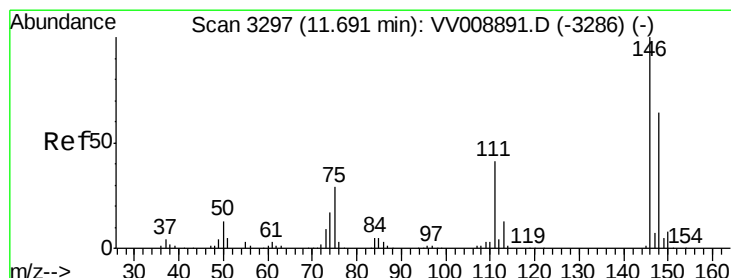
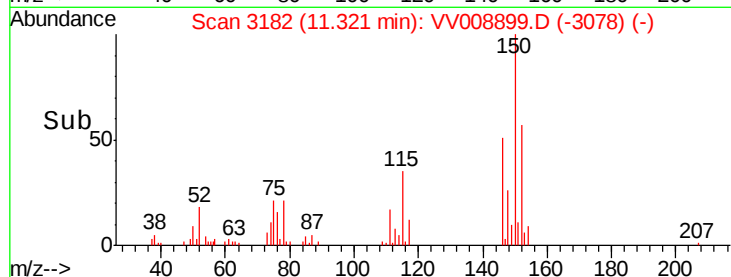
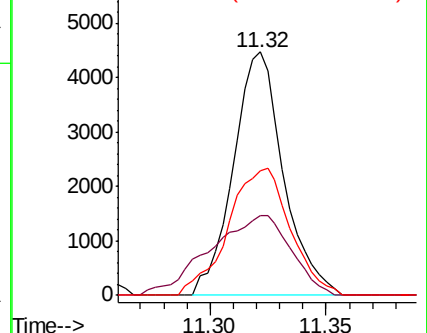
148 51.0 45.8 85.0



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: 1.364 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

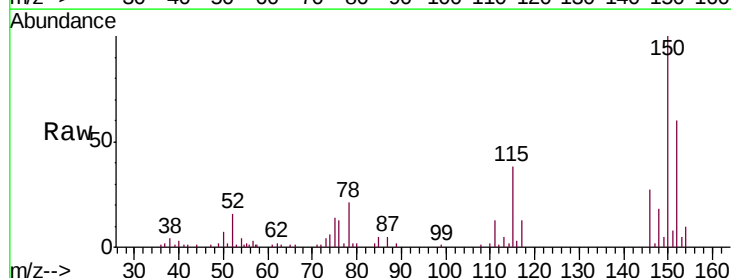
Tgt Ion:146 Resp: 6348

Ion Ratio Lower Upper

146 100

111 46.6 34.2 51.4

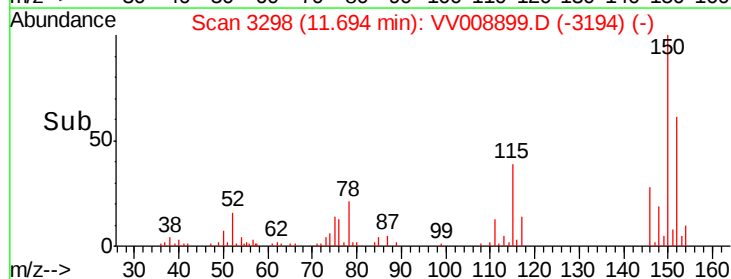
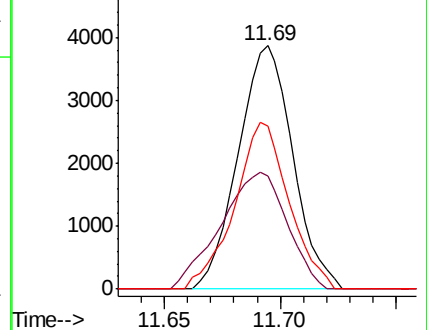
148 67.1 51.0 76.6

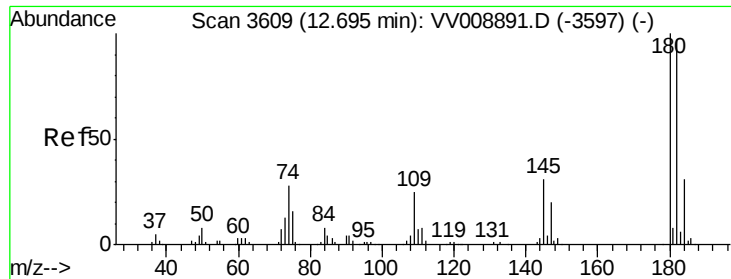


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

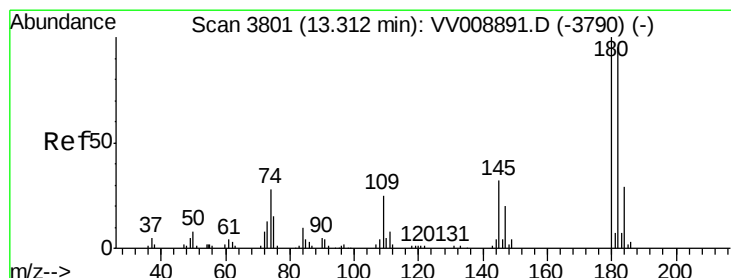
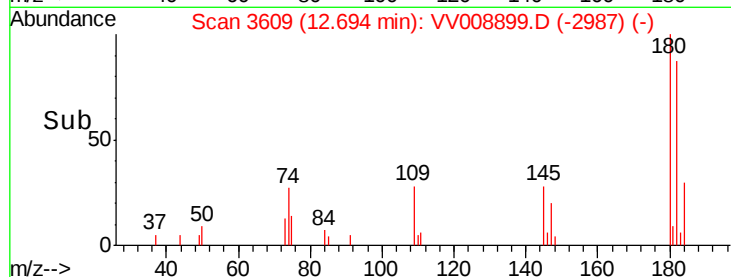
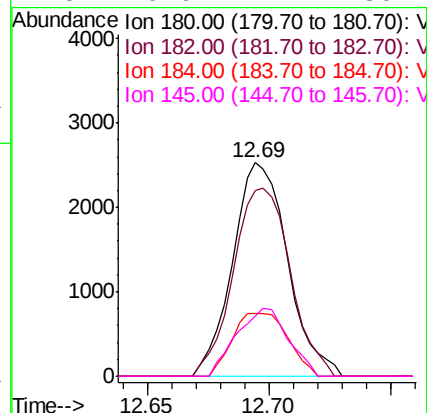
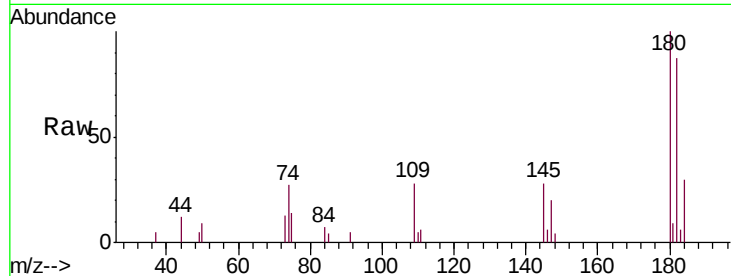




#67
 1,3,5-Trichlorobenzene
 Concen: 1.084 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

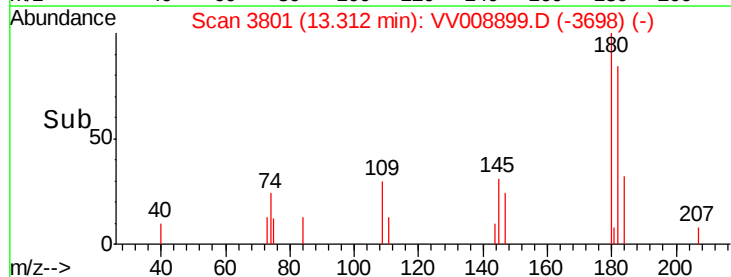
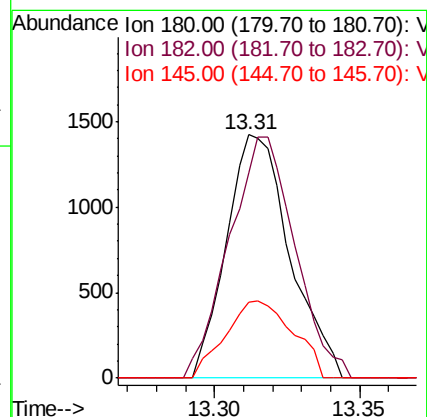
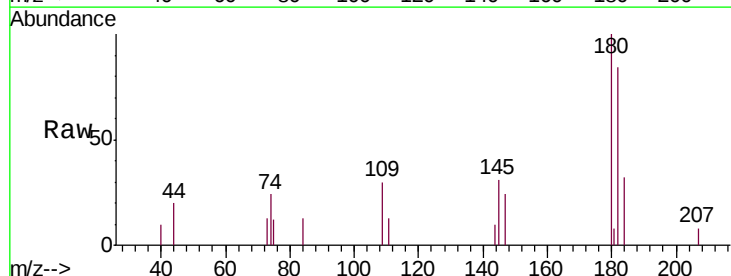
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

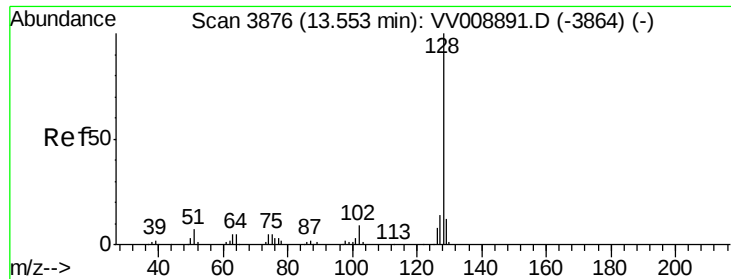
Tgt Ion:	180	Resp:	3955
Ion	Ratio	Lower	Upper
180	100		
182	91.0	75.9	113.9
184	30.0	23.8	35.6
145	29.9	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.847 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion:	180	Resp:	2165
Ion	Ratio	Lower	Upper
180	100		
182	102.4	77.4	116.0
145	33.6	25.6	38.4





#69

Naphthalene

Concen: 0.787 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

MDL07

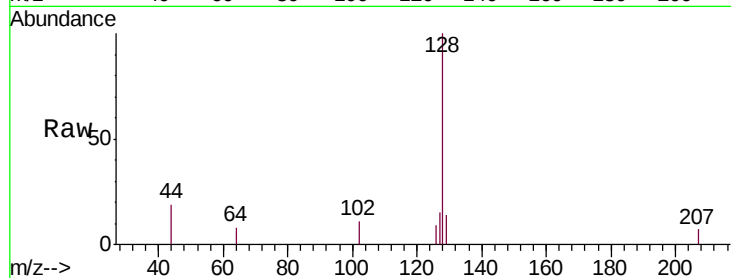
Tgt Ion:128 Resp: 3464

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

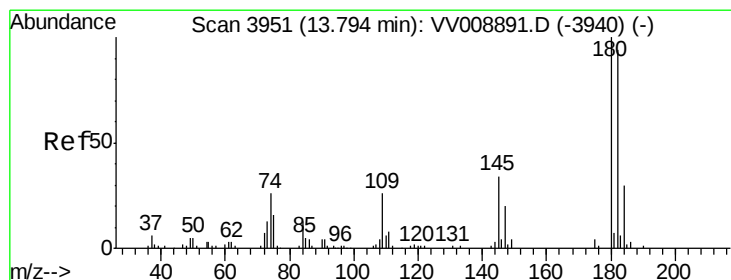
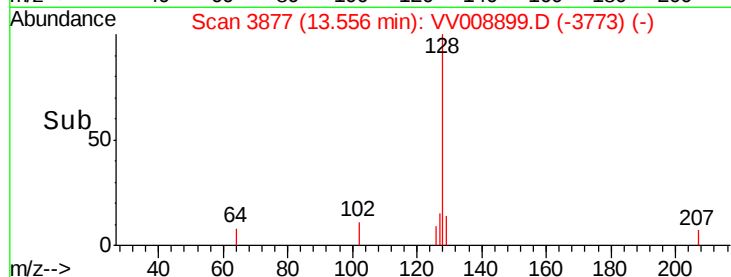
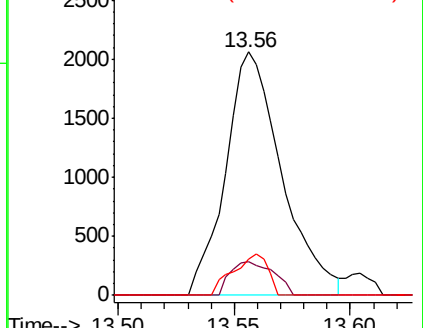
127 10.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.924 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

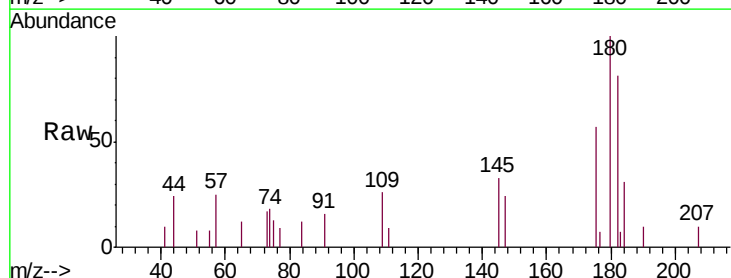
Tgt Ion:180 Resp: 2182

Ion Ratio Lower Upper

180 100

182 90.0 76.1 114.1

145 34.9 26.7 40.1



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

