

Data File : VV008895.D
Acq On : 11 Dec 2018 13:04
Operator : SY/MD
Sample : MDL03
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Quant Time: Dec 12 04:36:56 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	253662	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	228590	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90998	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63894	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.36%
7) Chloroethane-d5	1.58	69	57732	29.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.08%
10) 1,1-Dichloroethene-d2	2.13	63	123070	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	45585	47.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.40%
24) Chloroform-d	4.40	84	141755	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	84170	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.16%
29) Benzene-d6	5.10	84	299805	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	6.12	67	85444	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	7.36	98	272386	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.20%
38) trans-1,3-Dichloropropene-	7.66	79	37299	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.14	63	28372	43.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	65296	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	81716	23.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4358	1.048 ug/L	99
3) Chloromethane	1.25	50	2945	1.031 ug/L	94
5) Vinyl chloride	1.32	62	2956	0.927 ug/L #	46
6) Bromomethane	1.53	94	1917	1.250 ug/L	95
8) Chloroethane	1.60	64	2272	1.272 ug/L	89
9) Trichlorofluoromethane	1.77	101	5773	1.057 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4321	1.153 ug/L #	81
12) 1,1-Dichloroethene	2.14	96	4081	1.248 ug/L #	1
13) Acetone	2.20	43	3021	2.146 ug/L	99
14) Carbon disulfide	2.32	76	9354	0.891 ug/L	98
15) Methyl Acetate	2.47	43	1580	0.885 ug/L	97
16) Methylene chloride	2.53	84	11003	2.576 ug/L	90
17) Methyl tert-butyl Ether	2.80	73	6905	0.930 ug/L #	89
18) trans-1,2-Dichloroethene	2.79	96	3222	0.912 ug/L	92
19) 1,1-Dichloroethane	3.24	63	4777	0.834 ug/L	96
21) 2-Butanone	4.03	43	791	0.599 ug/L	76
22) cis-1,2-Dichloroethene	3.96	96	3352	0.910 ug/L	87

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

23) Bromochloromethane	4.31	128	1546	0.890	ug/L #	77
25) Chloroform	4.42	83	7994	1.300	ug/L	100
27) 1,2-Dichloroethane	5.18	62	4065	0.971	ug/L	97
30) Cyclohexane	4.72	56	4600	0.799	ug/L #	91
31) 1,1,1-Trichloroethane	4.66	97	5300	0.899	ug/L	98
32) Carbon tetrachloride	4.88	117	4387	0.815	ug/L	100
34) Benzene	5.15	78	11396	0.832	ug/L	100
35) Trichloroethene	5.96	95	4085	0.989	ug/L	97
36) Methylcyclohexane	6.18	83	5809	0.882	ug/L	98
40) 1,2-Dichloropropane	6.23	63	3093	0.941	ug/L #	93
41) Bromodichloromethane	6.56	83	3728	0.861	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	4434	0.921	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4709	2.120	ug/L #	90
44) Toluene	7.43	91	13618	0.948	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	3750	0.894	ug/L	97
46) 1,1,2-Trichloroethane	7.89	97	2422	0.884	ug/L	88
47) Tetrachloroethene	8.02	164	3086	0.919	ug/L	90
49) 2-Hexanone	8.19	43	4169	2.268	ug/L #	90
50) Dibromochloromethane	8.29	129	2903	0.925	ug/L	91
51) 1,2-Dibromoethane	8.40	107	2341	0.851	ug/L #	98
52) Chlorobenzene	8.93	112	8481	0.907	ug/L	92
53) Ethylbenzene	9.06	91	13540	0.869	ug/L	98
54) m,p-Xylene	9.18	106	4911	0.832	ug/L	99
55) o-xylene	9.59	106	4464	0.814	ug/L	98
56) Styrene	9.61	104	6811	0.770	ug/L	94
57) Isopropylbenzene	9.98	105	12322	0.827	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2727	0.921	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2281	0.890	ug/L	97
62) Bromoform	9.78	173	1350	0.822	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	5620	0.958	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	6309	1.046	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5331	0.986	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	3467	0.819	ug/L	93
68) 1,2,4-trichlorobenzene	13.32	180	2121	0.715	ug/L #	70
69) Naphthalene	13.56	128	2946	0.576	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	1951	0.712	ug/L #	85

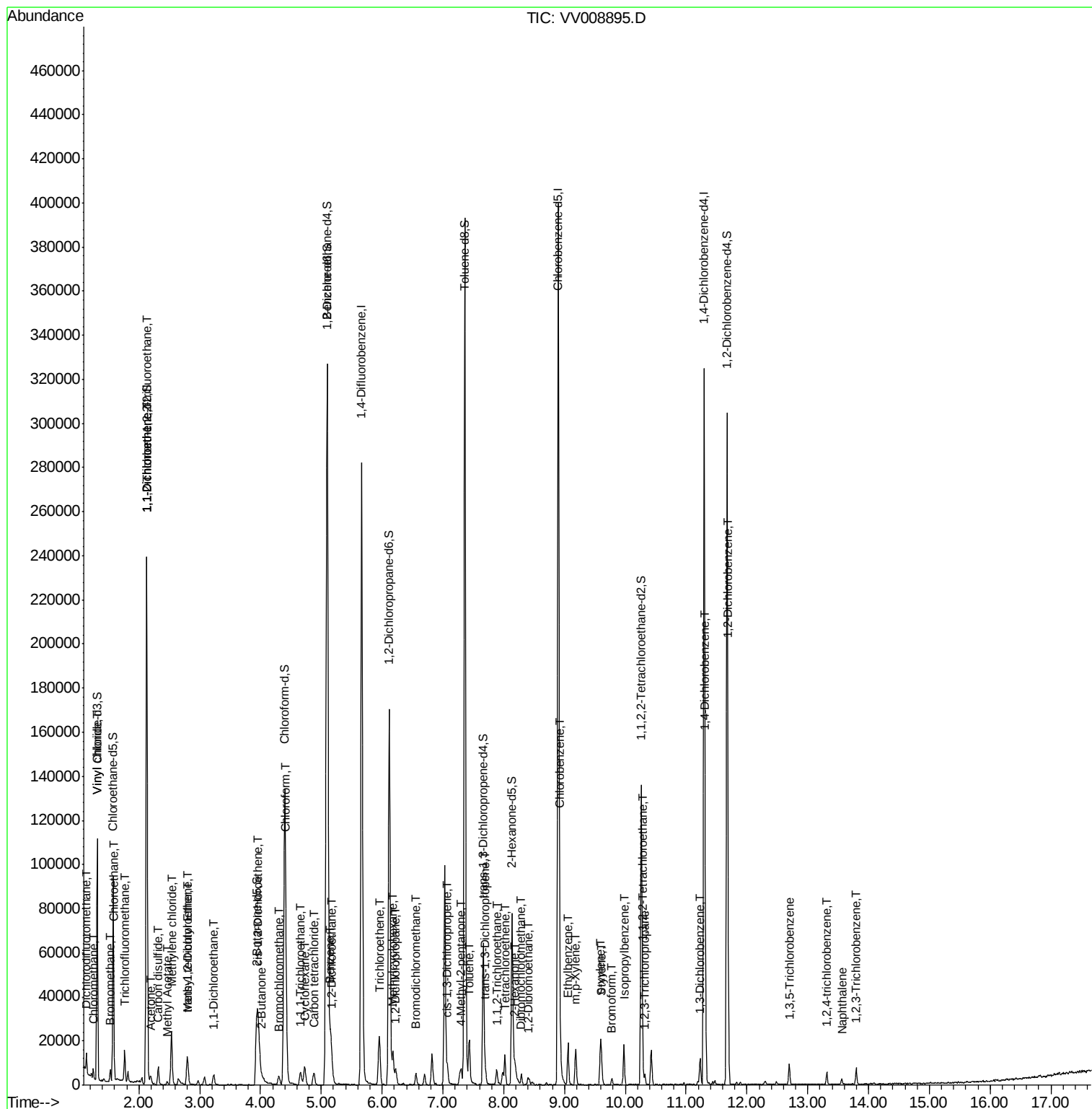
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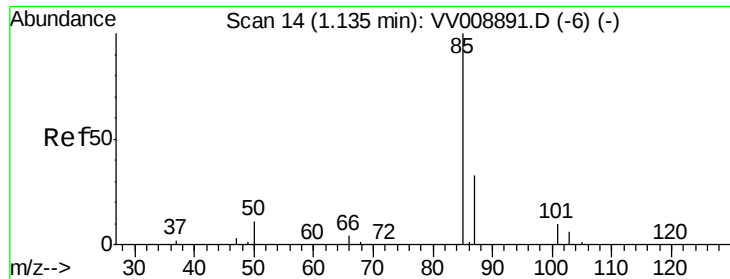
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#2

Dichlorodifluoromethane

Concen: 1.048 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

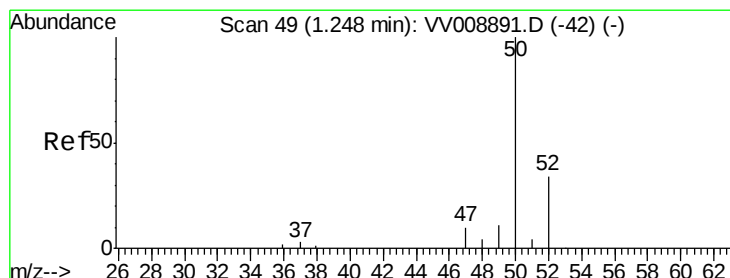
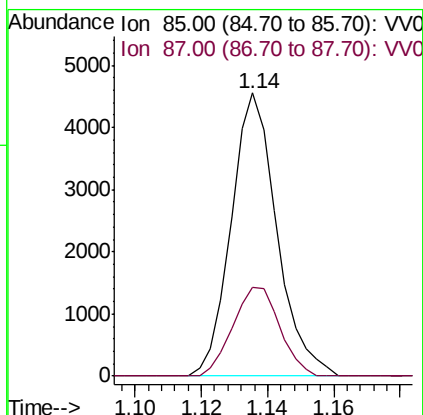
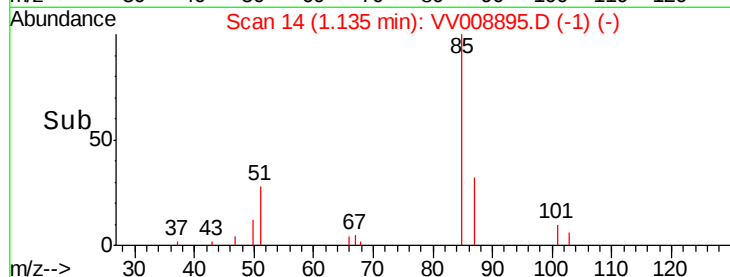
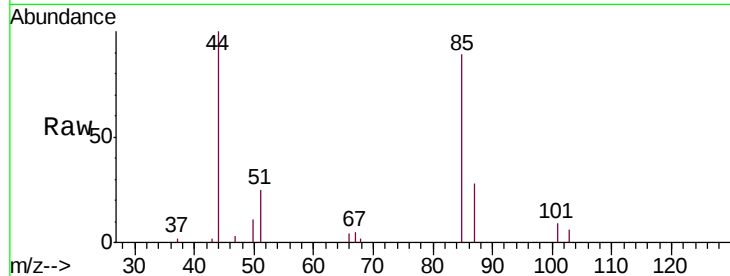
MDL03

Tgt Ion: 85 Resp: 4358

Ion Ratio Lower Upper

85 100

87 32.3 22.4 41.6



#3

Chloromethane

Concen: 1.031 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008895.D

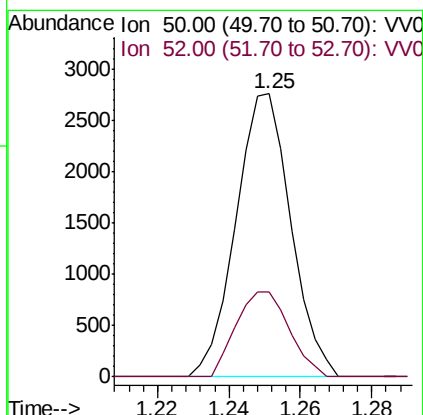
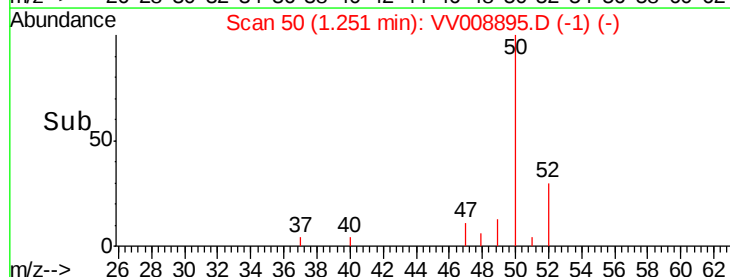
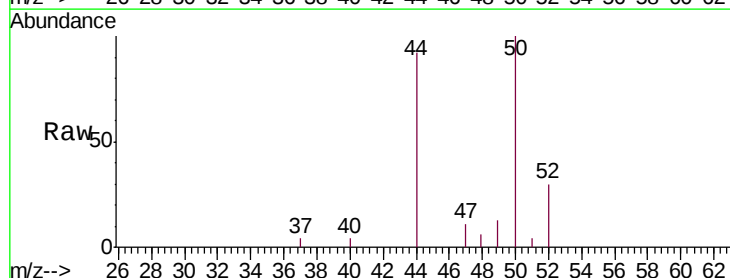
Acq: 11 Dec 2018 13:04

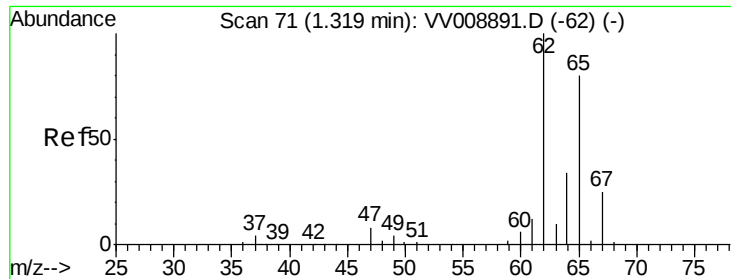
Tgt Ion: 50 Resp: 2945

Ion Ratio Lower Upper

50 100

52 29.9 23.2 43.2





#5

Vinyl chloride

Concen: 0.927 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

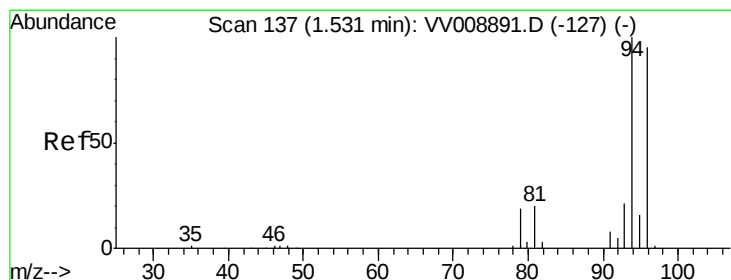
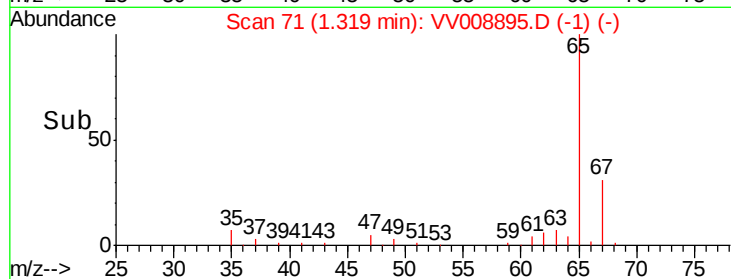
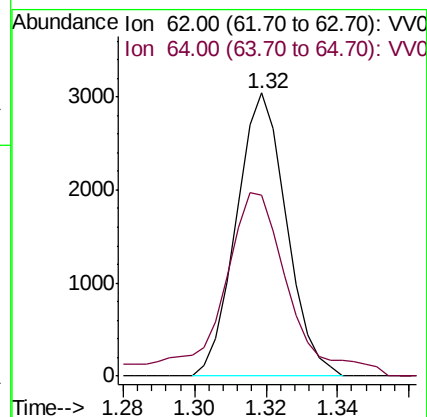
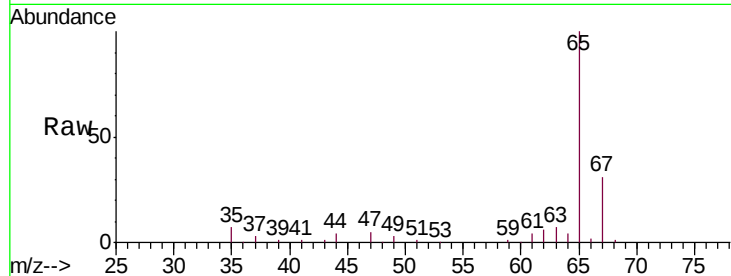
MDL03

Tgt Ion: 62 Resp: 2956

Ion Ratio Lower Upper

62 100

64 63.9 23.3 43.3#



#6

Bromomethane

Concen: 1.250 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008895.D

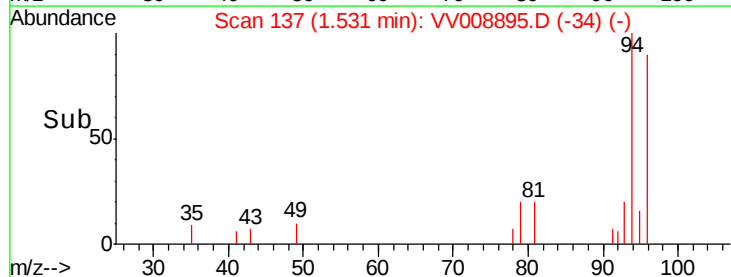
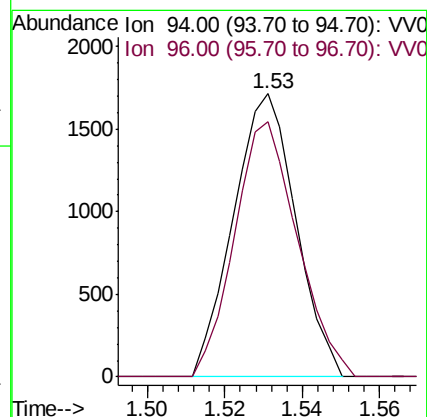
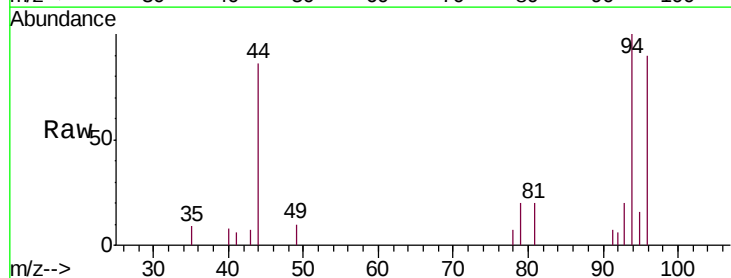
Acq: 11 Dec 2018 13:04

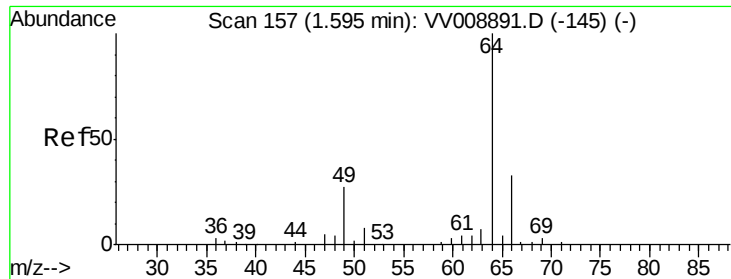
Tgt Ion: 94 Resp: 1917

Ion Ratio Lower Upper

94 100

96 90.8 9.5 180.9





#8

Chloroethane

Concen: 1.272 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

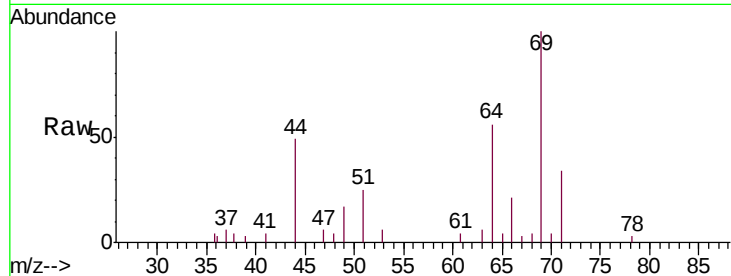
MDL03

Tgt Ion: 64 Resp: 2272

Ion Ratio Lower Upper

64 100

66 37.7 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008891.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008891.D (-145) (-)

1.60

1500

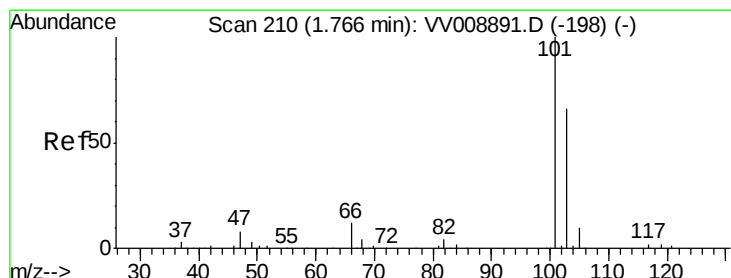
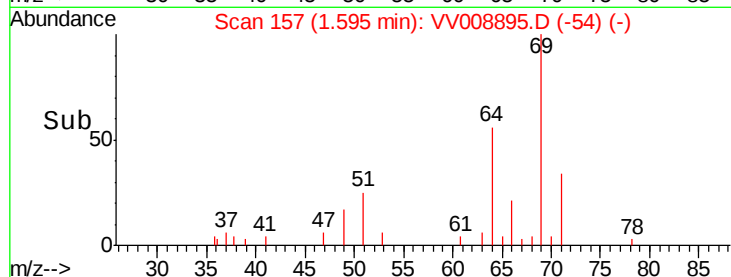
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 1.057 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008895.D

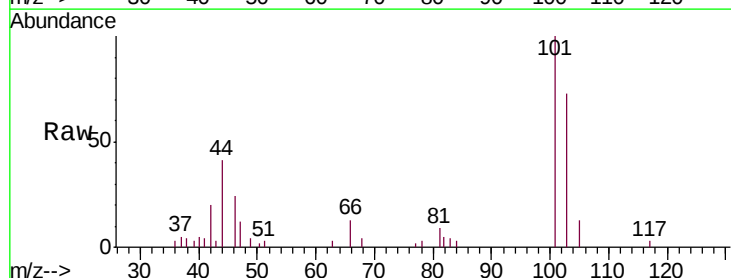
Acq: 11 Dec 2018 13:04

Tgt Ion: 101 Resp: 5773

Ion Ratio Lower Upper

101 100

103 68.0 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008891.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008891.D (-198) (-)

1.77

5000

4000

3000

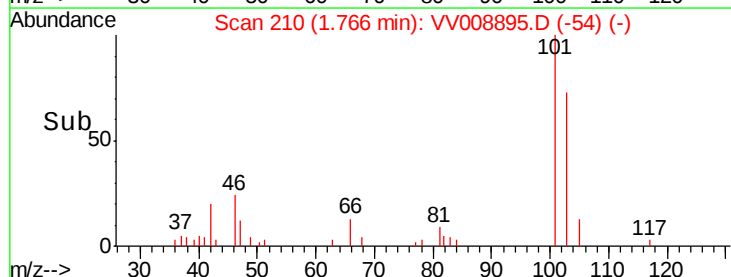
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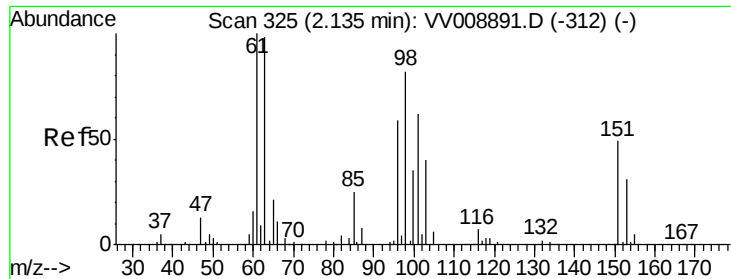
1000

0

1.72 1.74 1.76 1.78 1.80

Time-->





#11

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

Concen: 1.153 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

MDL03

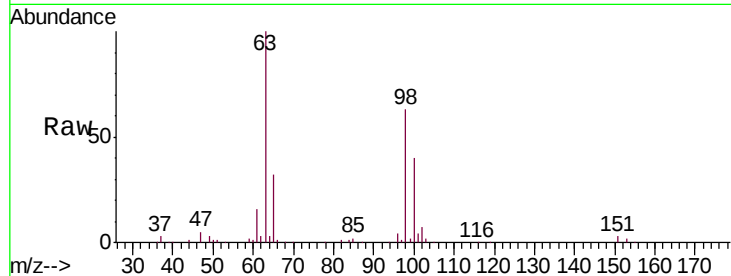
Tgt Ion:101 Resp: 4321

Ion Ratio Lower Upper

101 100

85 32.7 32.5 48.7

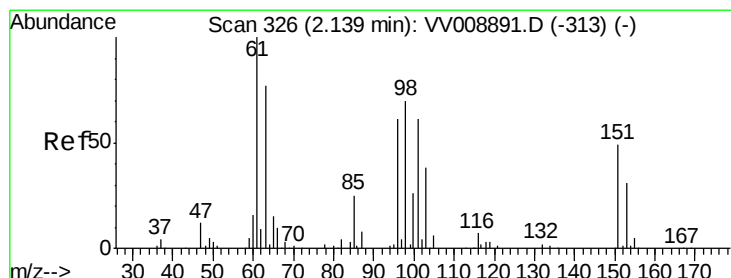
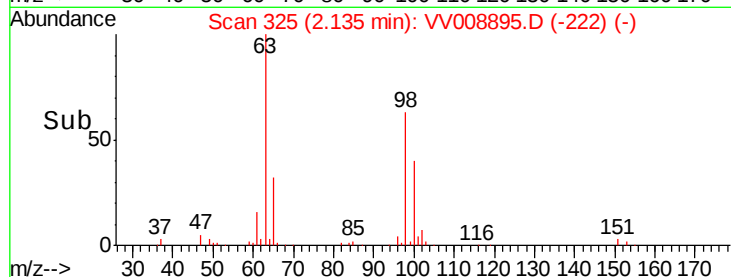
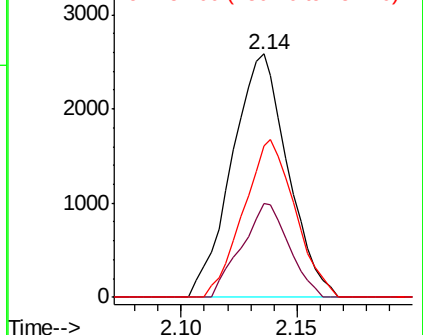
151 60.1 64.2 96.4#



Abundance Ion 101.00 (100.70 to 101.70): VV008895.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV008895.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV008895.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 1.248 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

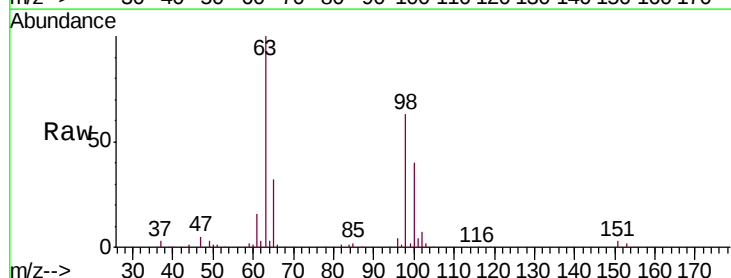
Tgt Ion: 96 Resp: 4081

Ion Ratio Lower Upper

96 100

61 392.8 114.0 211.6#

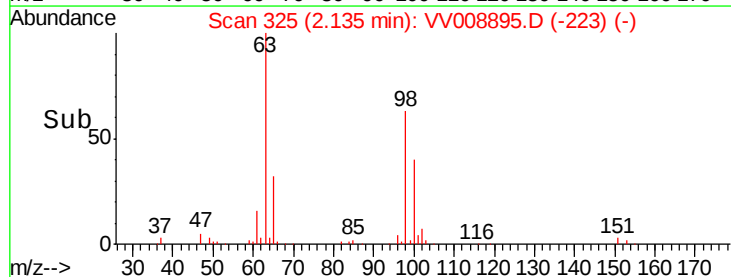
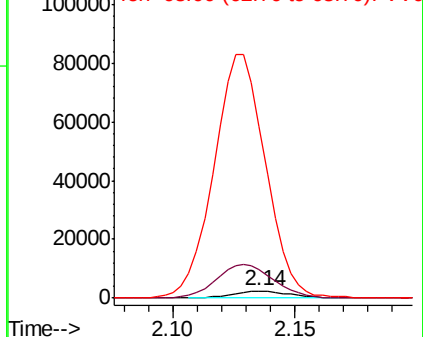
63 2406.6 82.4 153.0#

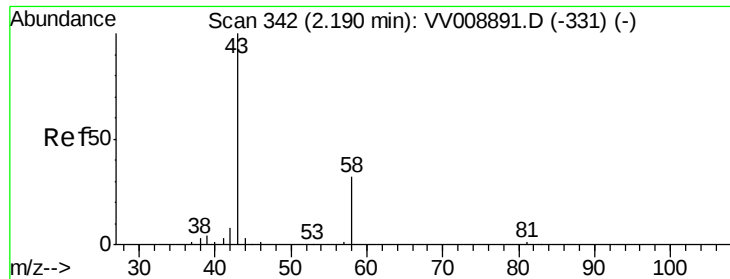


Abundance Ion 96.00 (95.70 to 96.70): VV008895.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV008895.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV008895.D (-223) (-)





#13

Acetone

Concen: 2.146 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

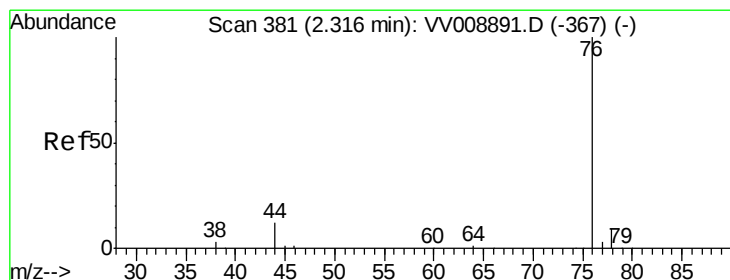
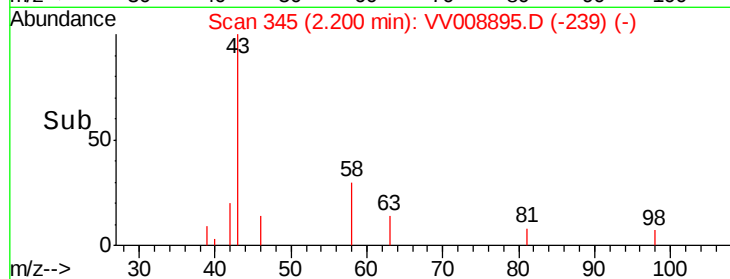
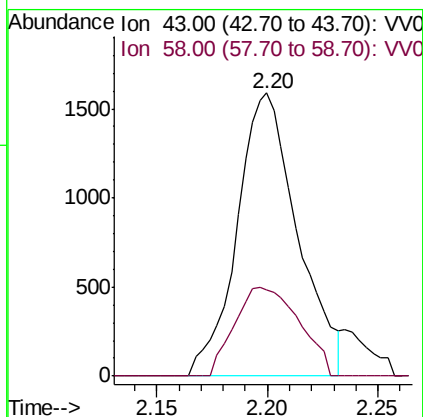
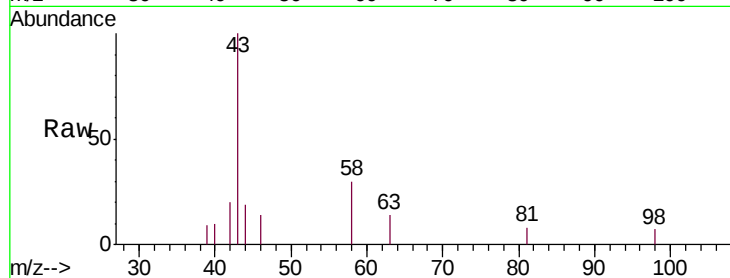
MDL03

Tgt Ion: 43 Resp: 3021

Ion Ratio Lower Upper

43 100

58 33.4 0.0 65.4



#14

Carbon disulfide

Concen: 0.891 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008895.D

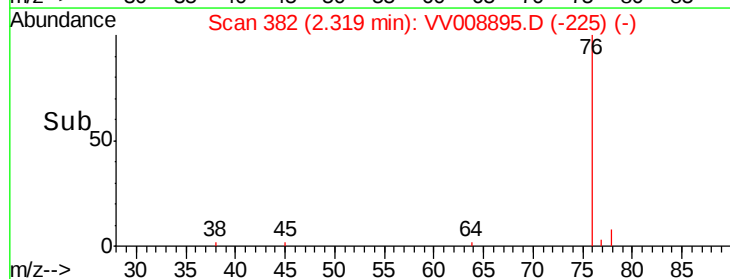
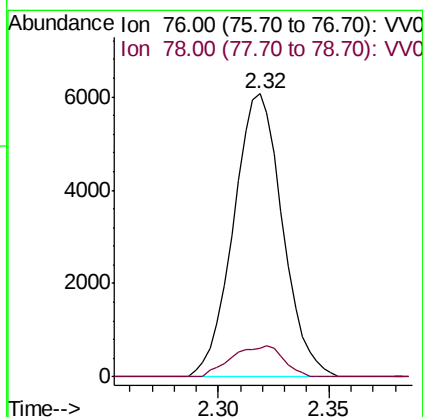
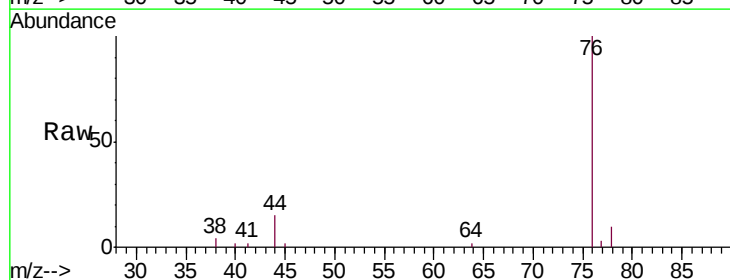
Acq: 11 Dec 2018 13:04

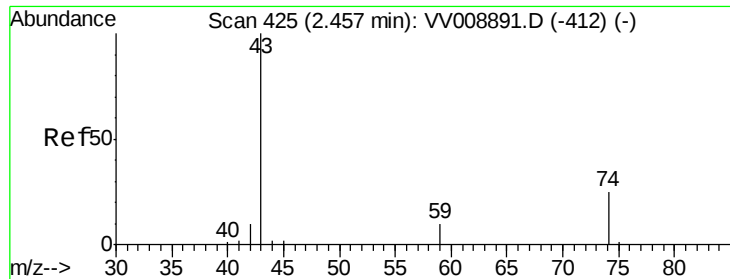
Tgt Ion: 76 Resp: 9354

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0





#15

Methyl Acetate

Concen: 0.885 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

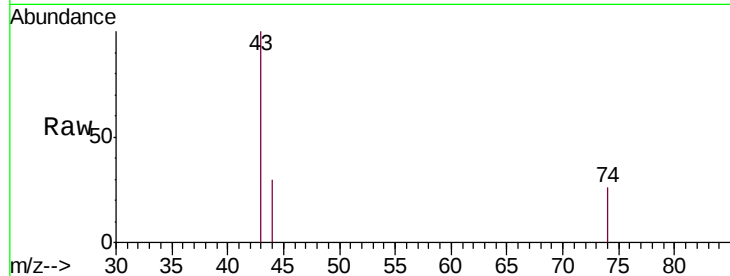
MDL03

Tgt Ion: 43 Resp: 1580

Ion Ratio Lower Upper

43 100

74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV008895.D (-322) (-)

Ion 74.00 (73.70 to 74.70): VV008895.D (-322) (-)

2.47

1000

800

600

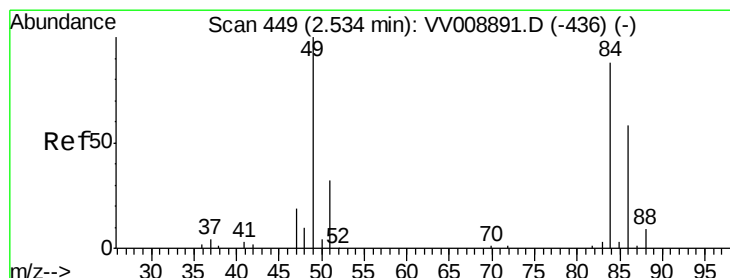
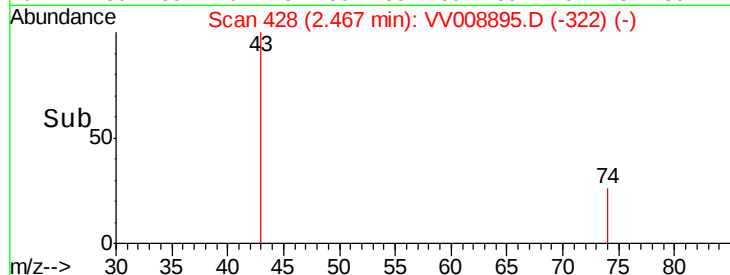
400

200

0

2.42 2.44 2.46 2.48 2.50

Time-->



#16

Methylene chloride

Concen: 2.576 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

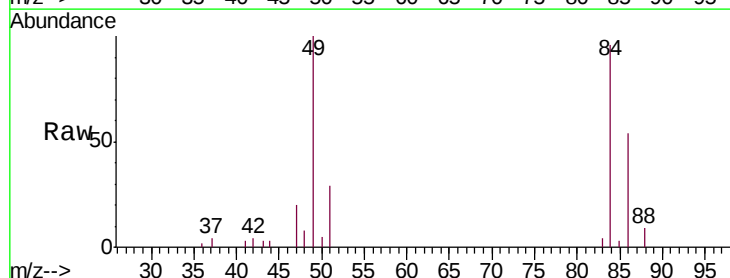
Tgt Ion: 84 Resp: 11003

Ion Ratio Lower Upper

84 100

49 104.7 80.5 149.5

86 56.9 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV008895.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV008895.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV008895.D (-346) (-)

2.53

8000

6000

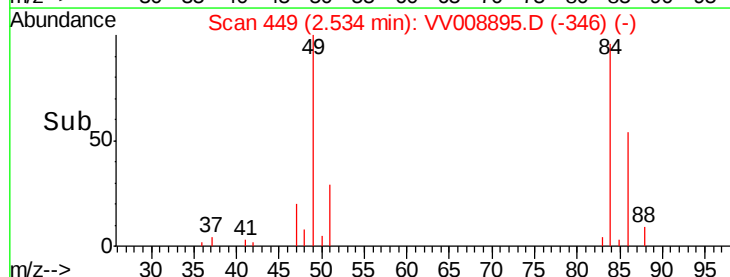
4000

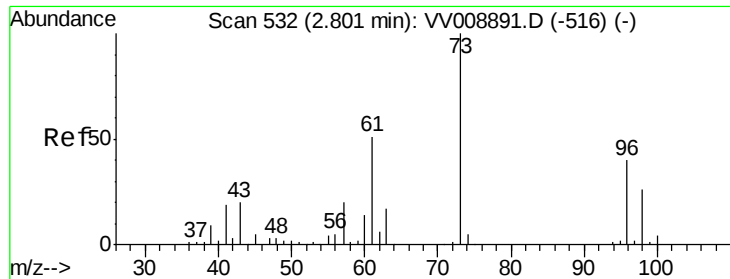
2000

0

2.50 2.52 2.54 2.56 2.58 2.60

Time-->

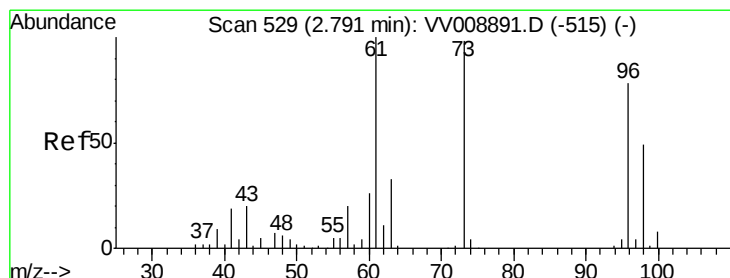
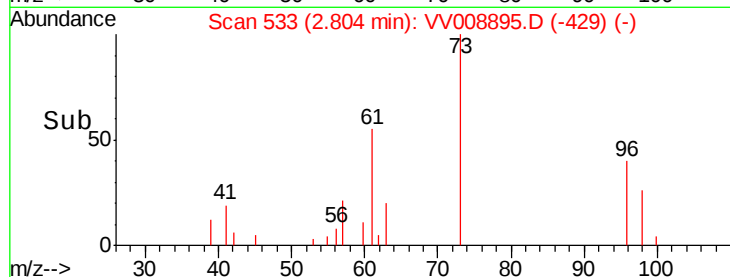
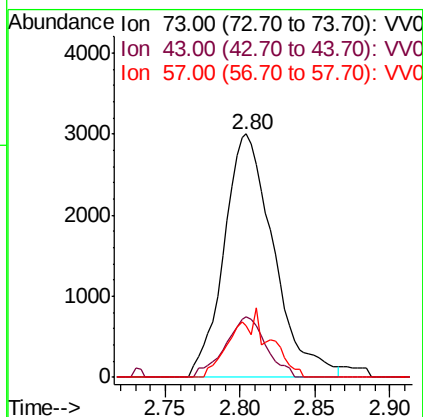
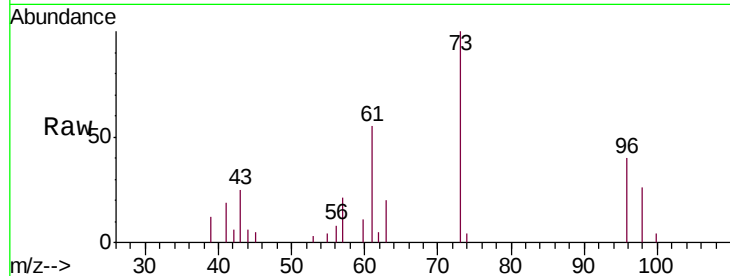




#17
Methyl tert-butyl Ether
Concen: 0.930 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

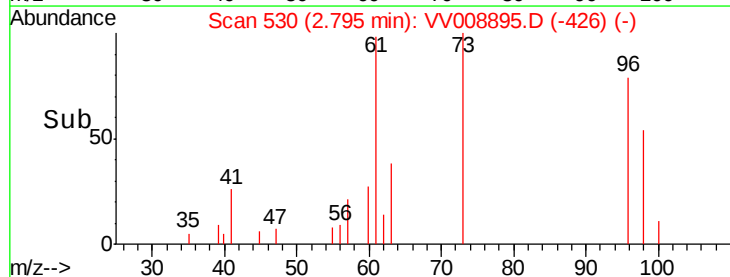
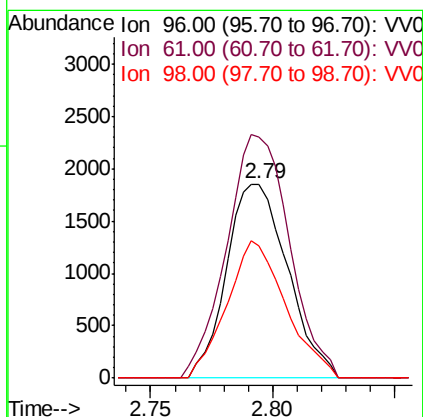
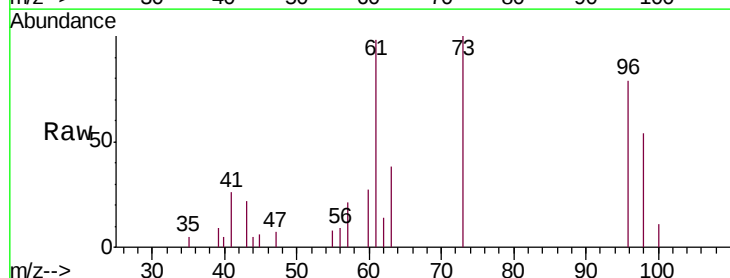
Instrument :
MSVOA_V
ClientSampleId :
MDL03

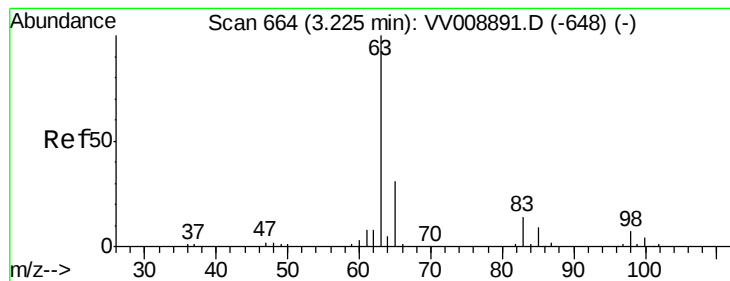
Tgt Ion: 73 Resp: 6905
Ion Ratio Lower Upper
73 100
43 20.5 14.9 22.3
57 11.7 16.0 24.0#



#18
trans-1,2-Dichloroethene
Concen: 0.912 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 96 Resp: 3222
Ion Ratio Lower Upper
96 100
61 124.4 94.6 175.8
98 68.6 45.3 84.1

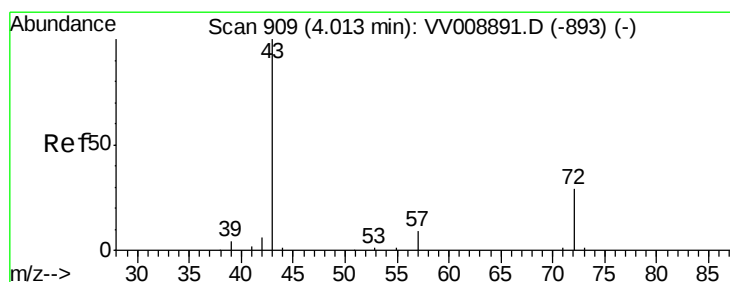
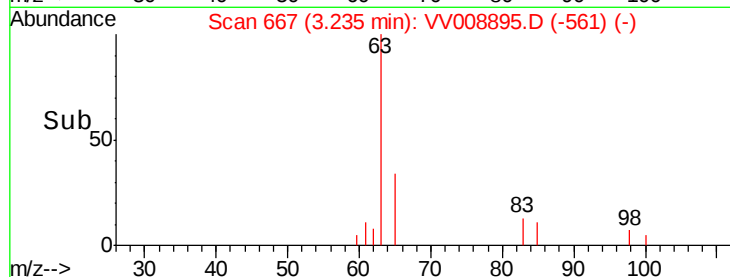
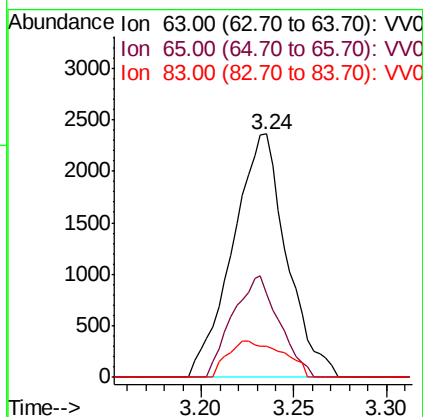
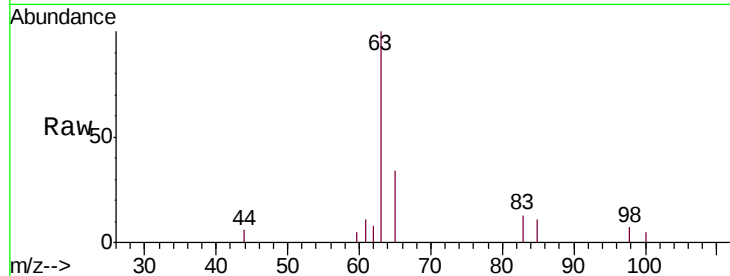




#19
 1,1-Dichloroethane
 Concen: 0.834 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

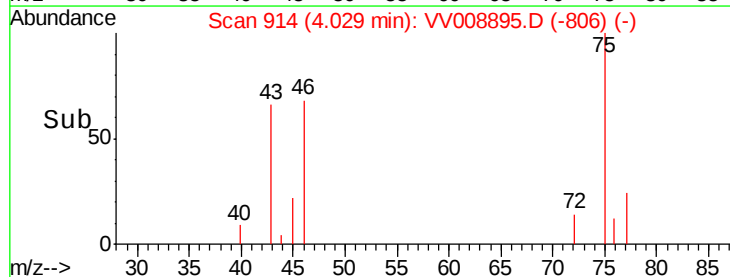
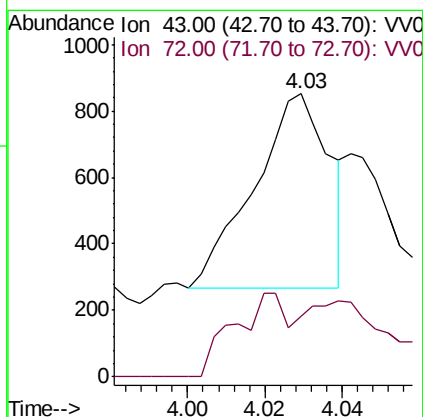
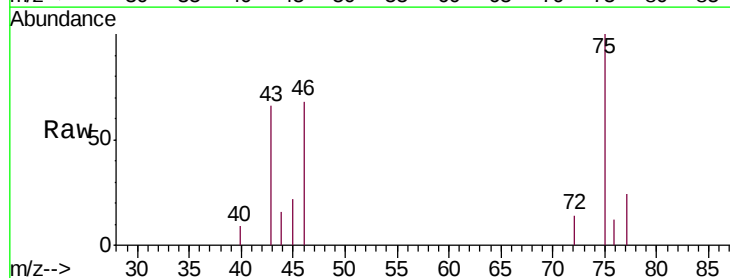
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

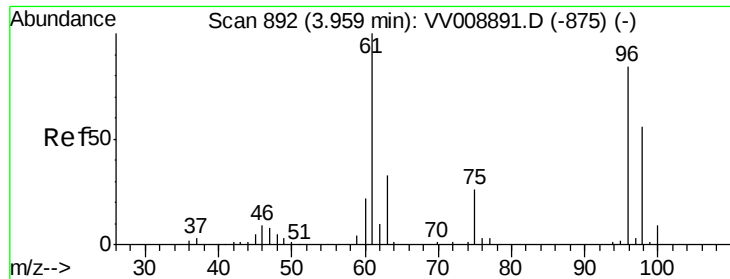
Tgt Ion: 63 Resp: 4777
 Ion Ratio Lower Upper
 63 100
 65 34.5 22.7 42.1
 83 12.7 10.2 19.0



#21
 2-Butanone
 Concen: 0.599 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 43 Resp: 791
 Ion Ratio Lower Upper
 43 100
 72 39.7 13.7 41.1

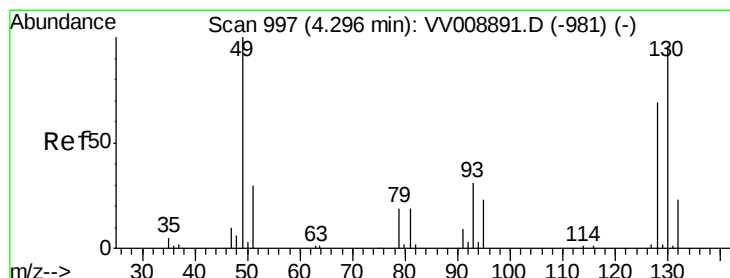
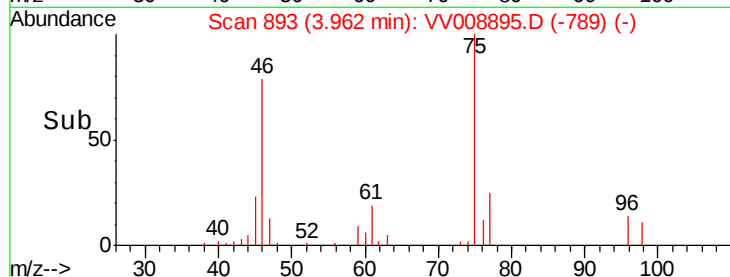
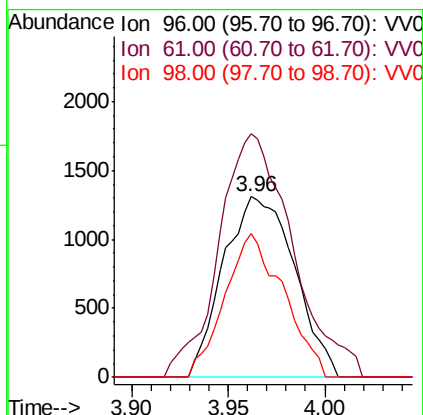
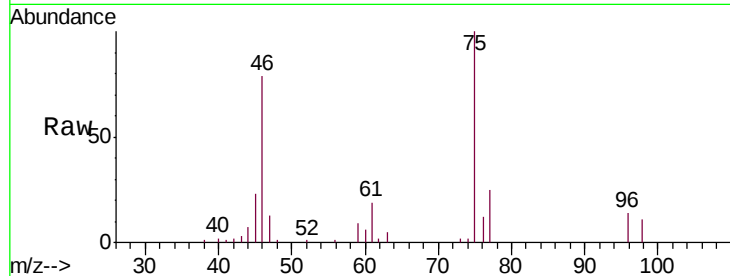




#22
 cis-1,2-Dichloroethene
 Concen: 0.910 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

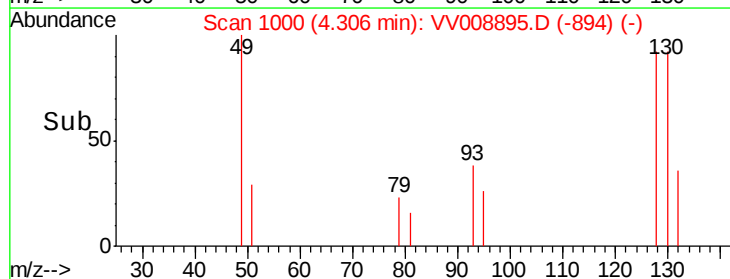
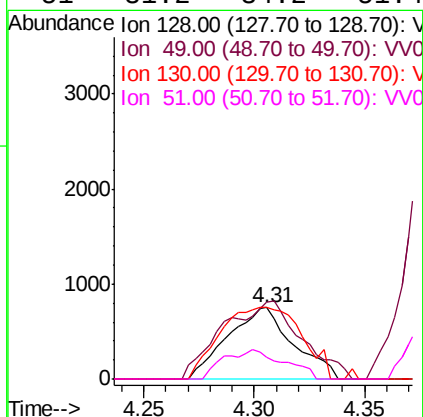
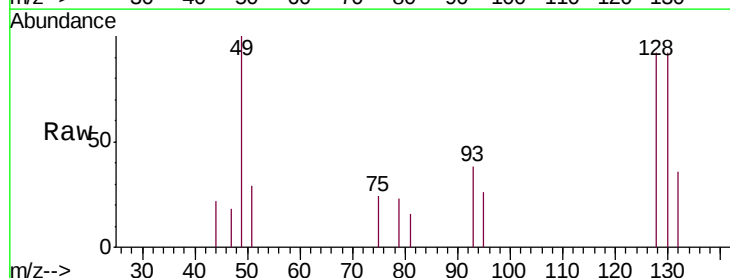
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

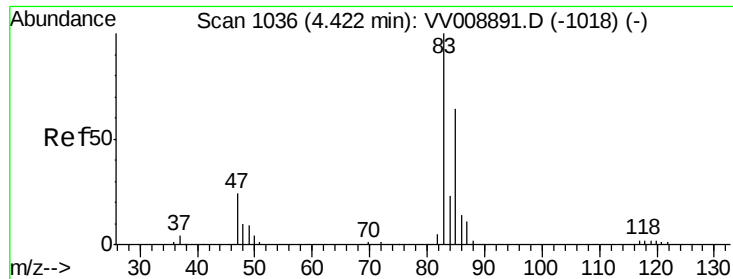
Tgt Ion: 96 Resp: 3352
 Ion Ratio Lower Upper
 96 100
 61 134.9 86.2 160.0
 98 80.0 45.6 84.6



#23
 Bromochloromethane
 Concen: 0.890 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 128 Resp: 1546
 Ion Ratio Lower Upper
 128 100
 49 108.5 93.8 174.2
 130 100.0 90.4 168.0
 51 31.2 34.2 51.4#

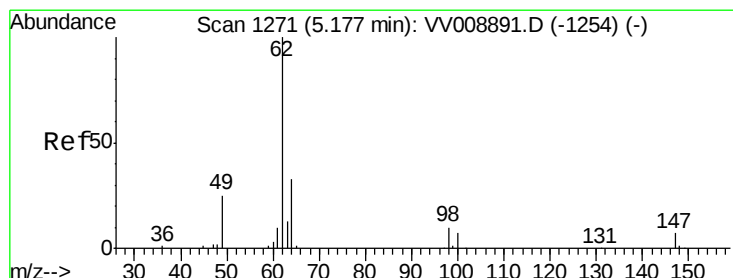
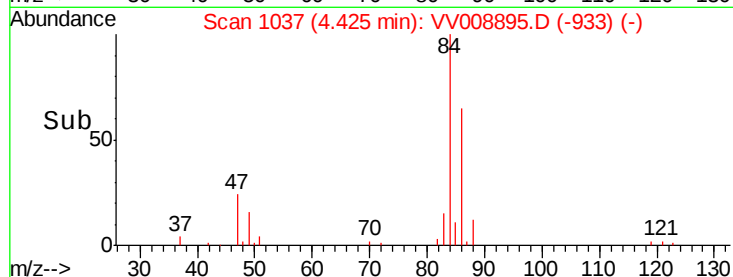
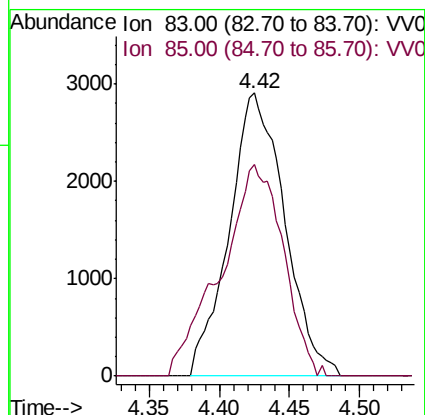
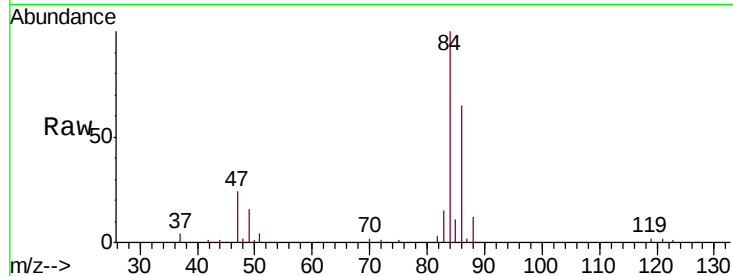




#25
Chloroform
Concen: 1.300 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

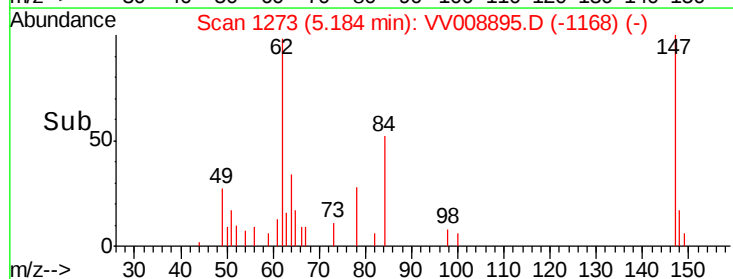
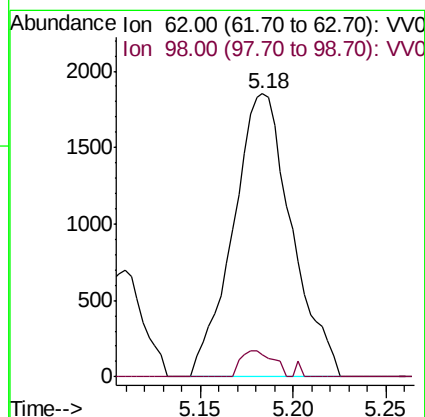
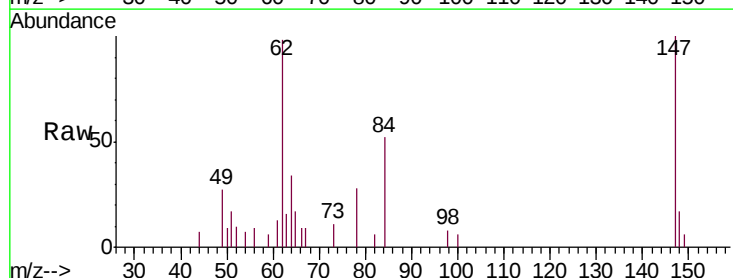
Instrument :
MSVOA_V
ClientSampleId :
MDL03

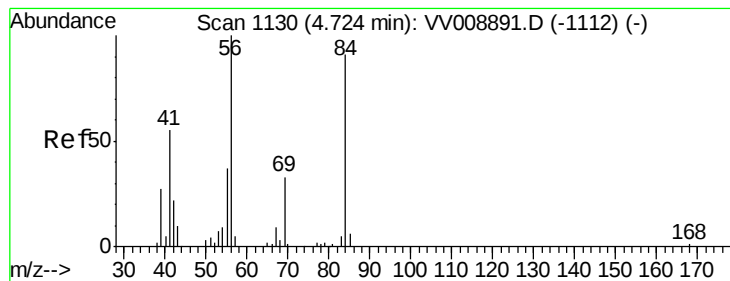
Tgt Ion: 83 Resp: 7994
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 0.971 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 62 Resp: 4065
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.0





#30

Cyclohexane

Concen: 0.799 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

MDL03

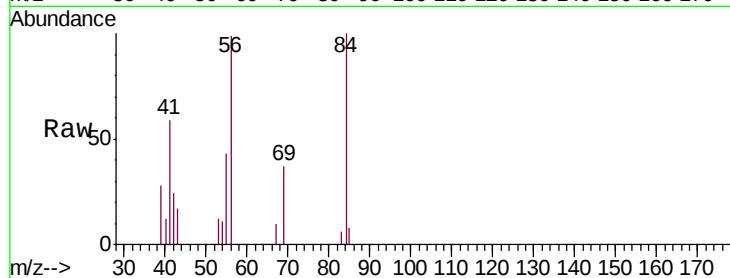
Tgt Ion: 56 Resp: 4600

Ion Ratio Lower Upper

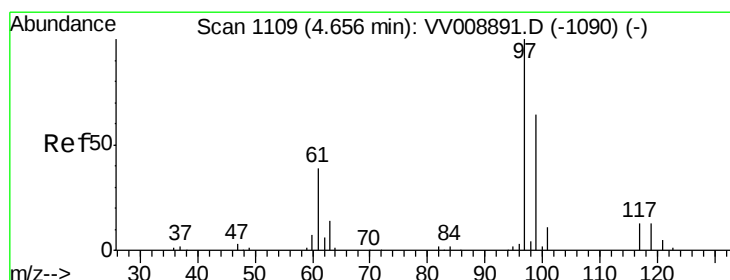
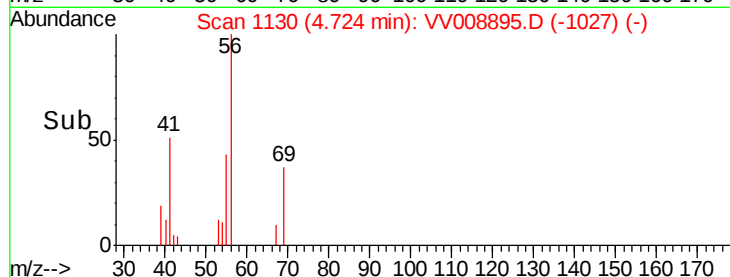
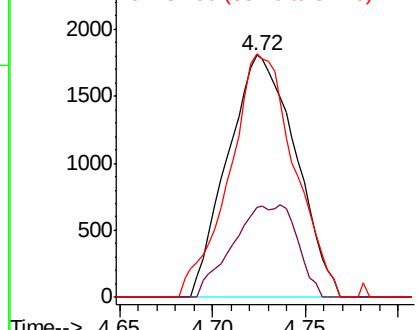
56 100

69 21.4 25.8 38.8#

84 96.2 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 0.899 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

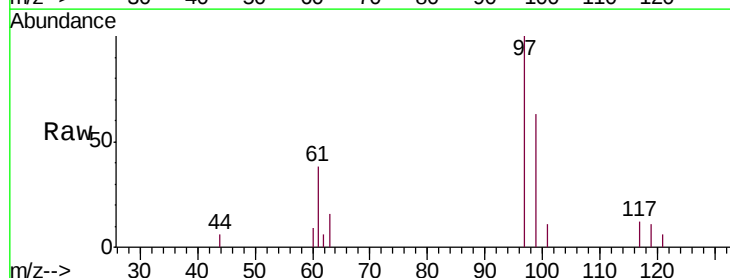
Tgt Ion: 97 Resp: 5300

Ion Ratio Lower Upper

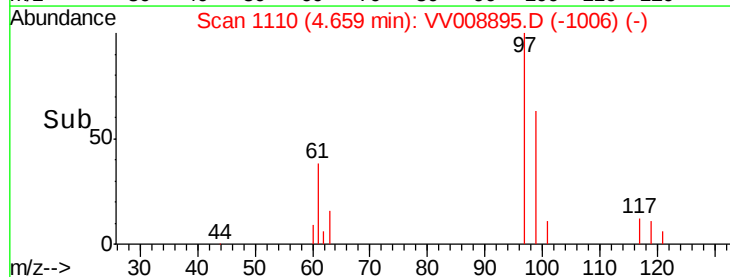
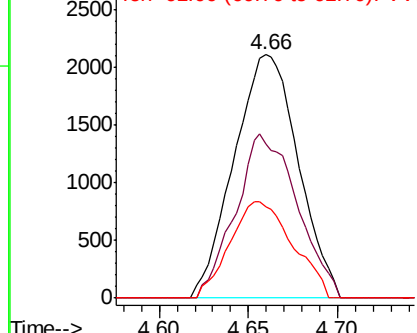
97 100

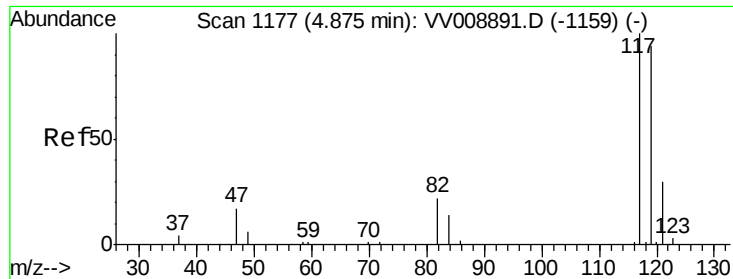
99 64.8 51.9 77.9

61 38.8 33.1 49.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 0.815 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

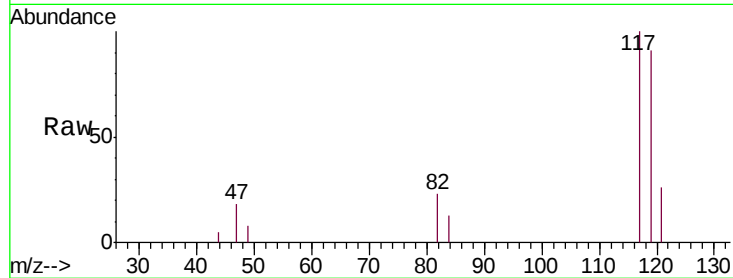
MDL03

Tgt Ion:117 Resp: 4387

Ion Ratio Lower Upper

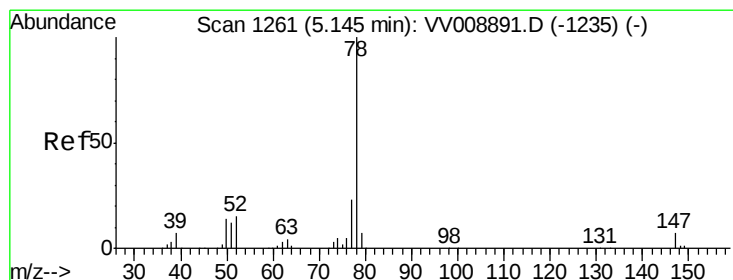
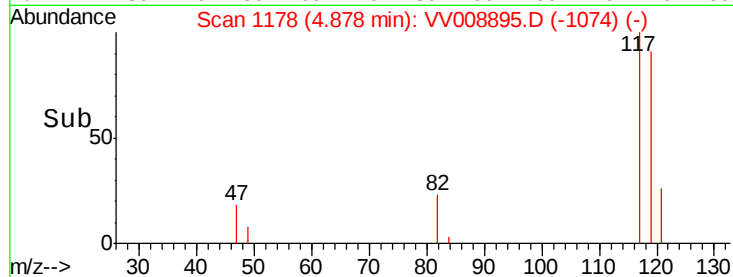
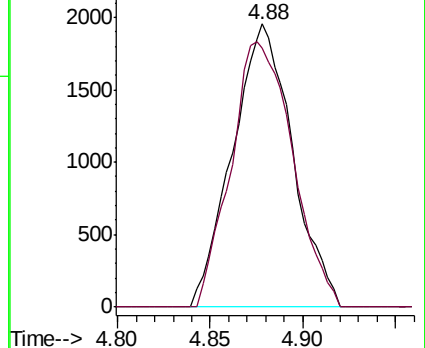
117 100

119 96.4 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: 0.832 ug/L

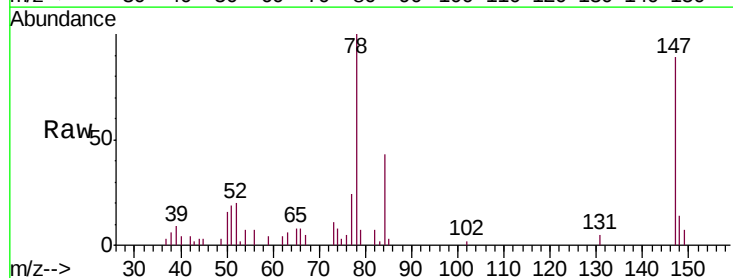
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

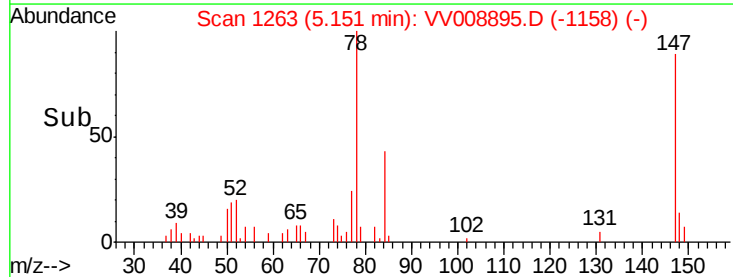
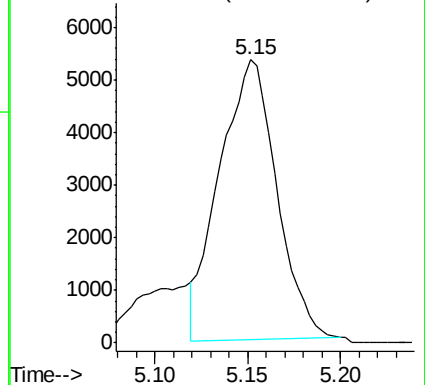
Lab File: VV008895.D

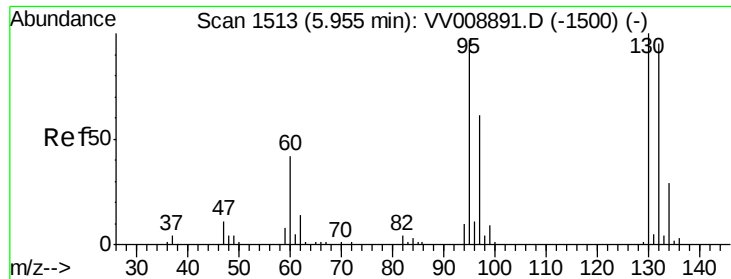
Acq: 11 Dec 2018 13:04

Tgt Ion: 78 Resp: 11396



Abundance Ion 78.00 (77.70 to 78.70): VV0

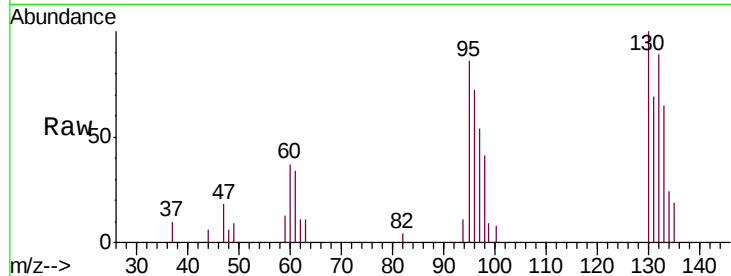




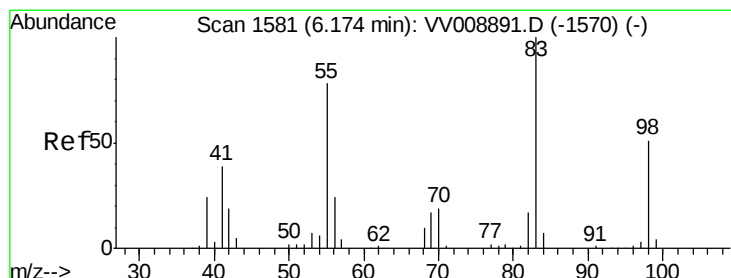
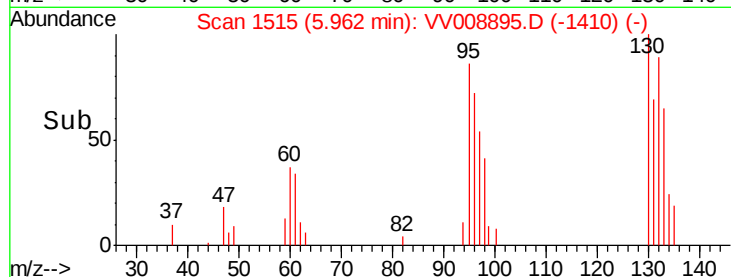
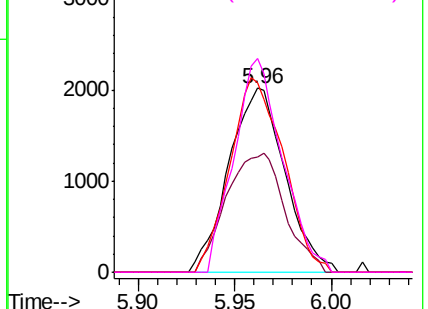
#35
 Trichloroethene
 Concen: 0.989 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 95 Resp: 4085
 Ion Ratio Lower Upper
 95 100
 97 67.4 45.3 84.1
 132 100.4 70.0 130.0
 130 100.2 73.4 136.4

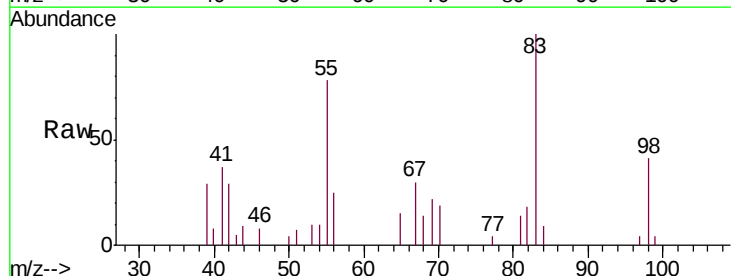


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

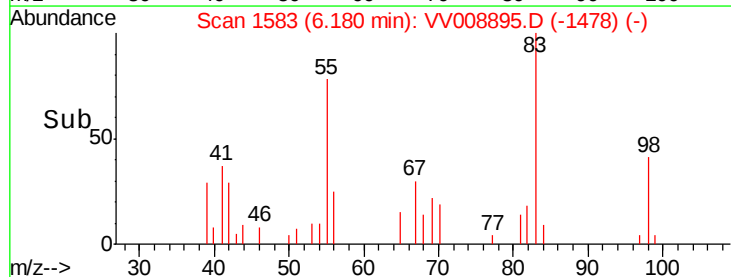
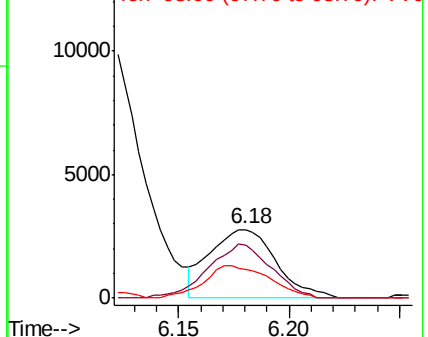


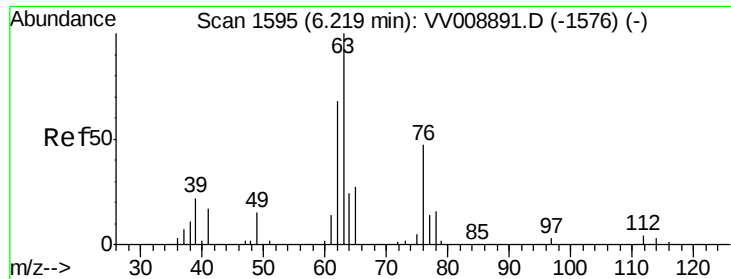
#36
 Methylcyclohexane
 Concen: 0.882 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 83 Resp: 5809
 Ion Ratio Lower Upper
 83 100
 55 74.2 58.2 87.2
 98 46.4 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: 0.941 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

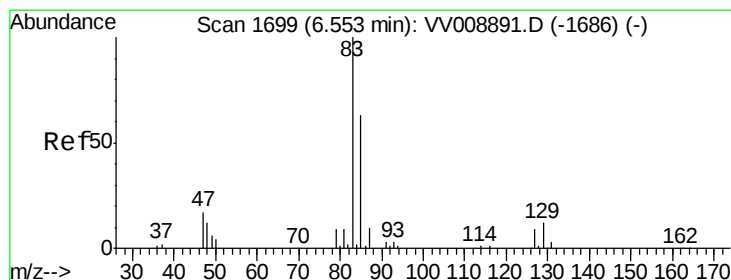
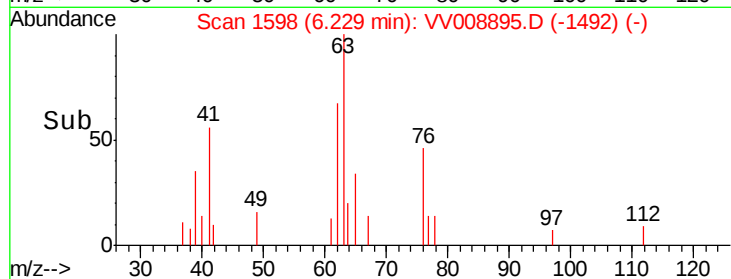
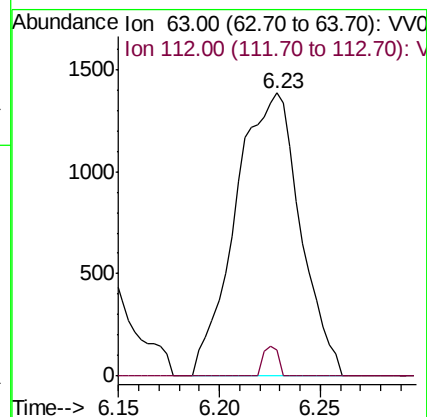
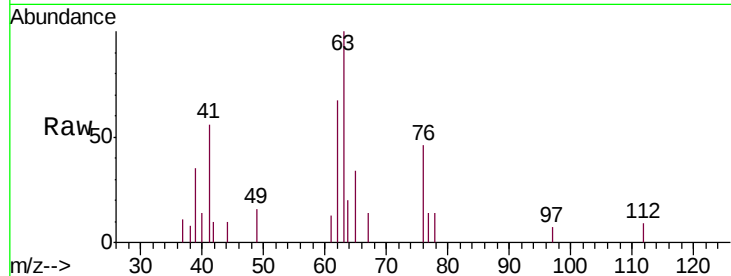
MDL03

Tgt Ion: 63 Resp: 3093

Ion Ratio Lower Upper

63 100

112 2.5 3.8 5.8#



#41

Bromodichloromethane

Concen: 0.861 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

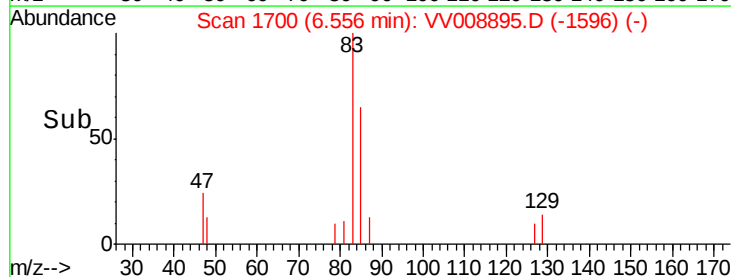
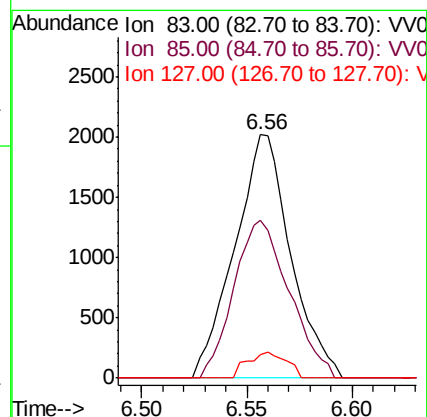
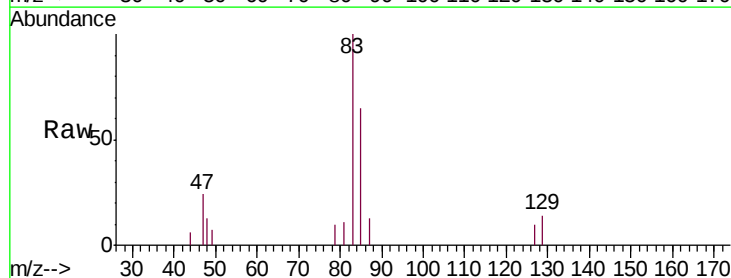
Tgt Ion: 83 Resp: 3728

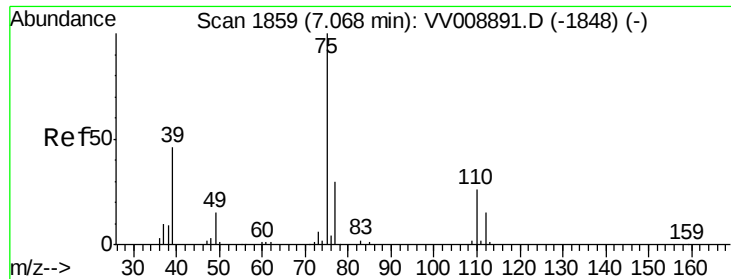
Ion Ratio Lower Upper

83 100

85 65.0 45.3 84.1

127 9.7 7.2 10.8



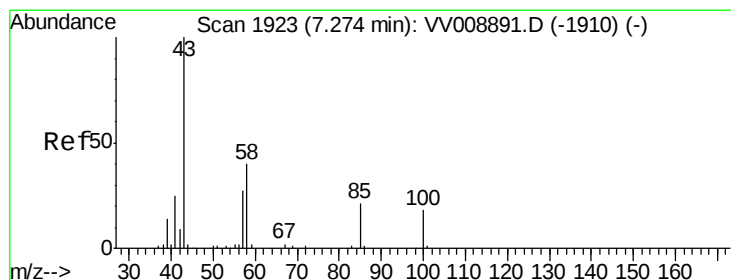
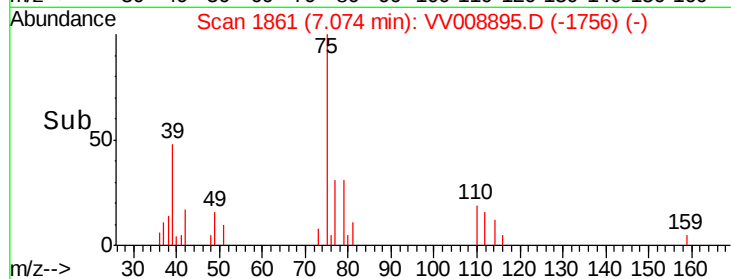
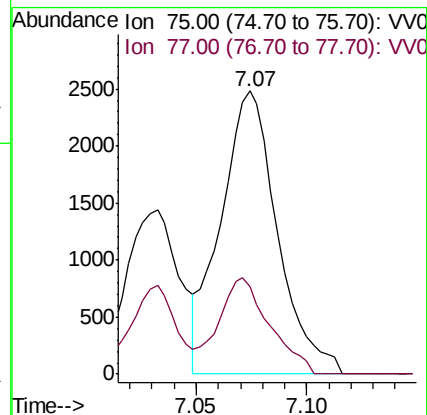
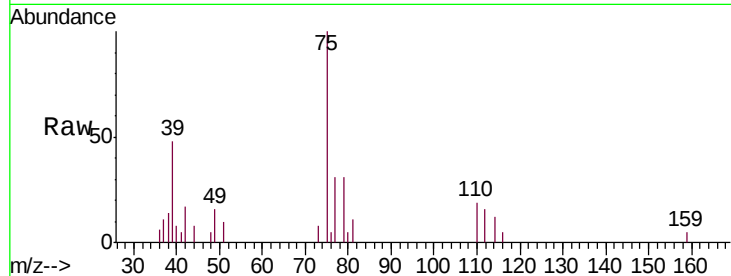


#42

cis-1,3-Dichloropropene
Concen: 0.921 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampled :
MDL03

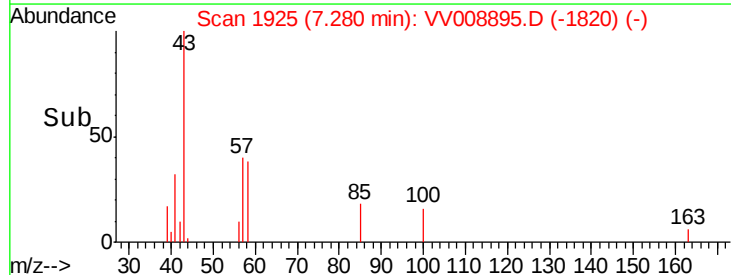
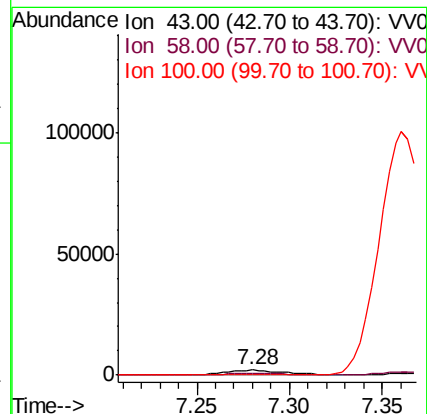
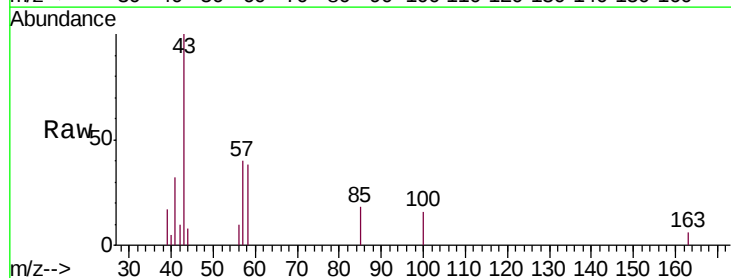
Tgt Ion: 75 Resp: 4434
Ion Ratio Lower Upper
75 100
77 30.8 21.3 39.6

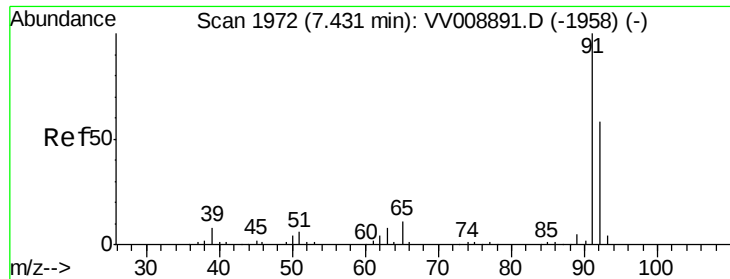


#43

4-Methyl-2-pentanone
Concen: 2.120 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
58 37.0 32.2 48.4
100 8.8 13.8 20.8#





#44

Toluene

Concen: 0.948 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

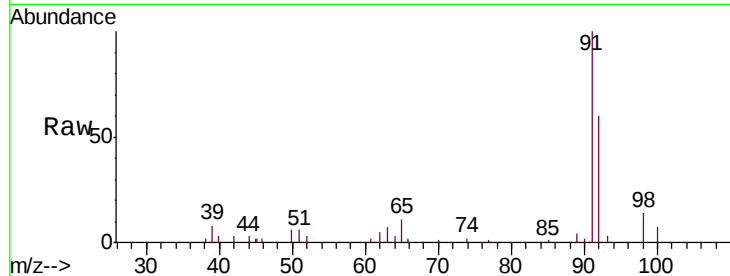
MDL03

Tgt Ion: 91 Resp: 13618

Ion Ratio Lower Upper

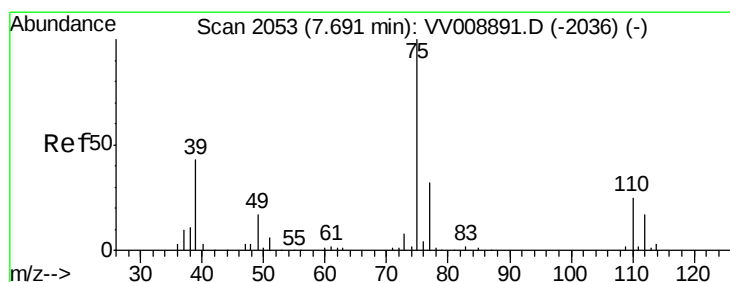
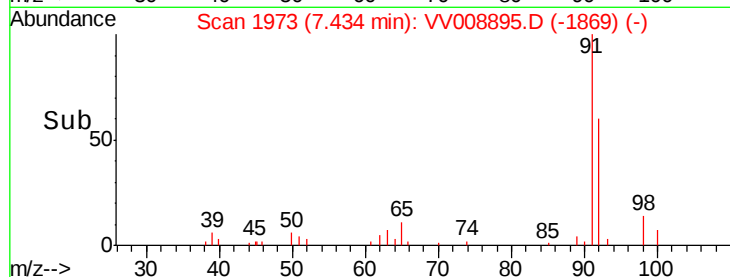
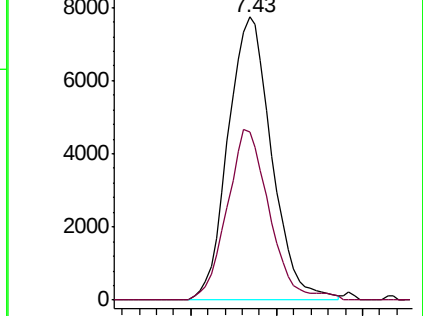
91 100

92 59.6 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008895.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008895.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 0.894 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008895.D

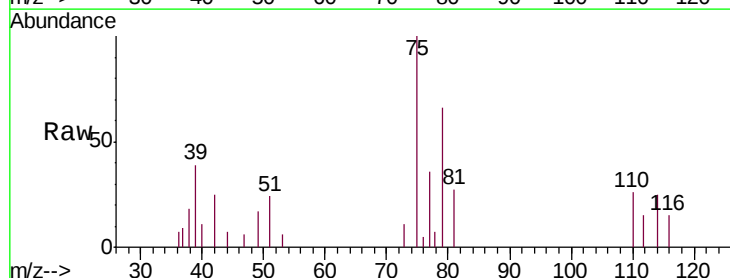
Acq: 11 Dec 2018 13:04

Tgt Ion: 75 Resp: 3750

Ion Ratio Lower Upper

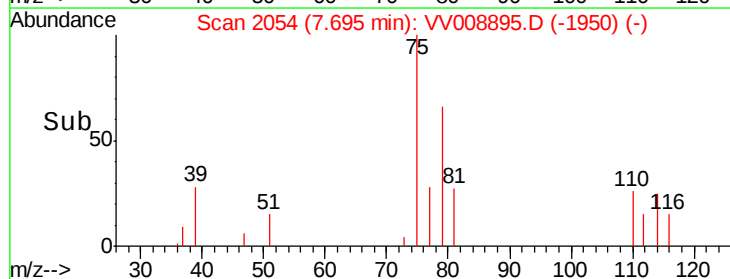
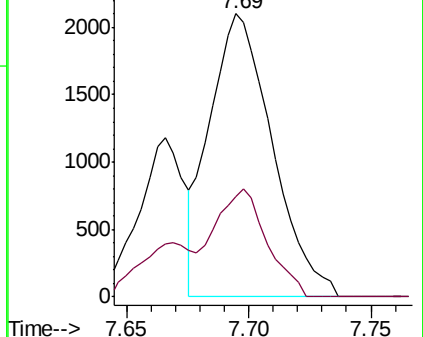
75 100

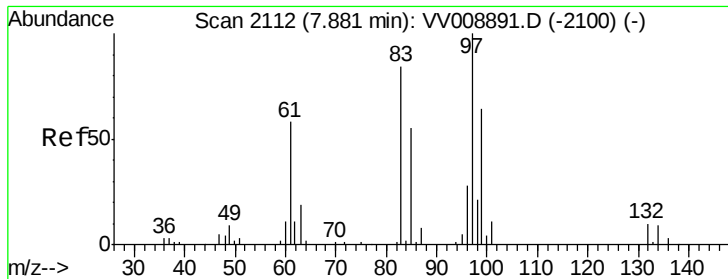
77 35.7 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008895.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV008895.D (-1950) (-)

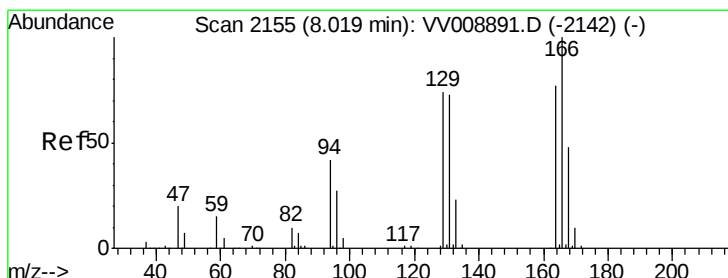
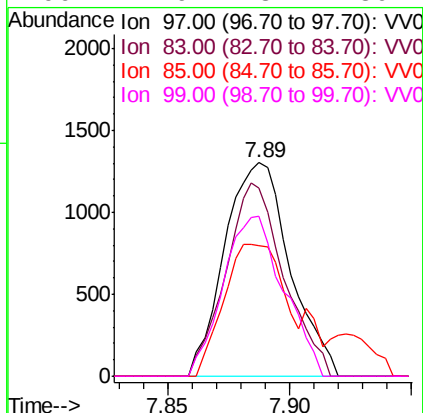
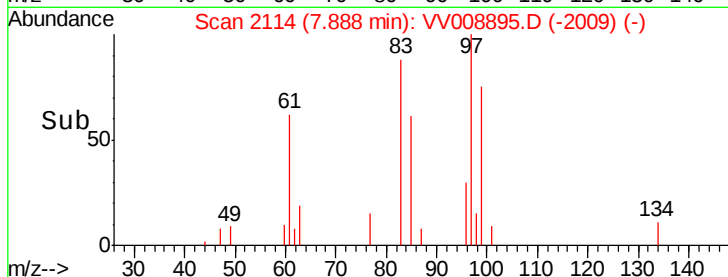
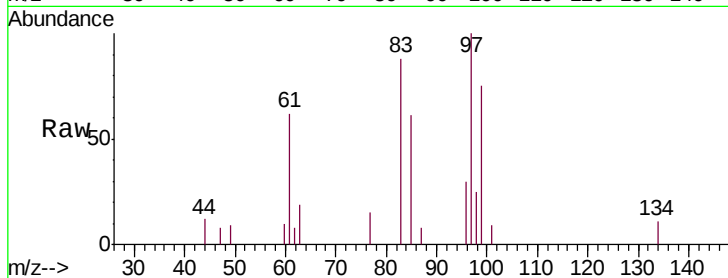




#46
1,1,2-Trichloroethane
Concen: 0.884 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

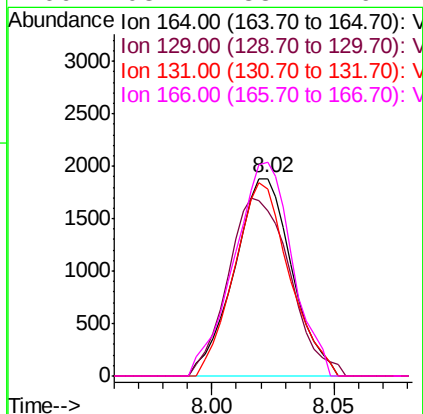
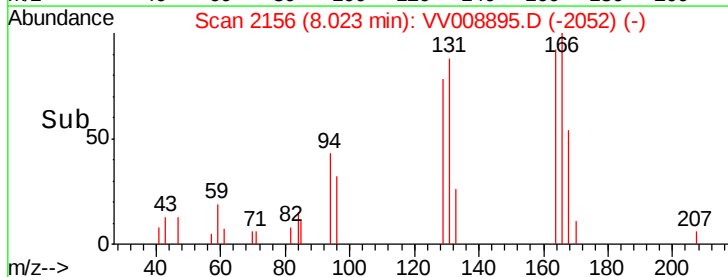
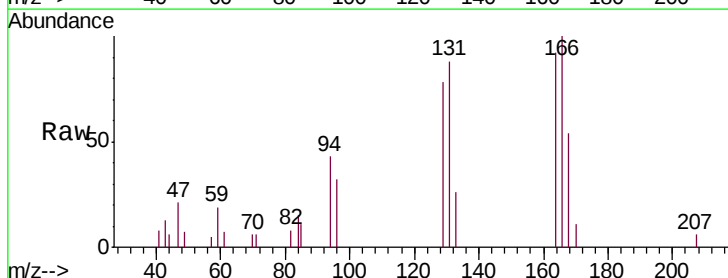
Instrument :
MSVOA_V
ClientSampleId :
MDL03

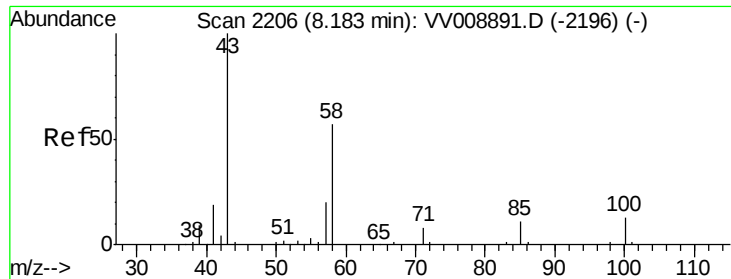
Tgt Ion: 97 Resp: 2422
Ion Ratio Lower Upper
97 100
83 88.4 56.6 105.2
85 60.9 36.6 68.0
99 74.9 43.2 80.2



#47
Tetrachloroethene
Concen: 0.919 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 164 Resp: 3086
Ion Ratio Lower Upper
164 100
129 84.0 64.6 120.0
131 94.7 64.5 119.7
166 108.2 88.7 164.7

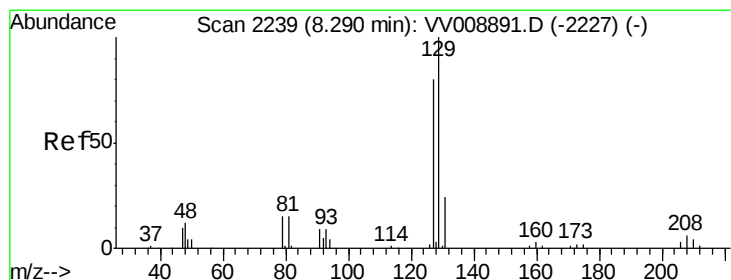
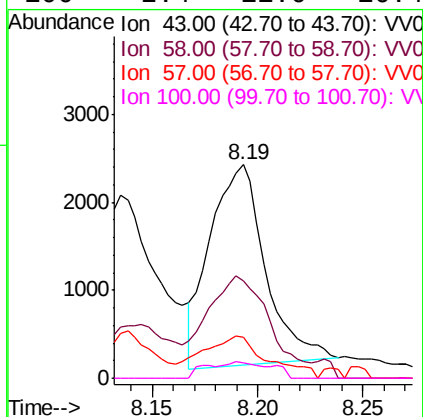
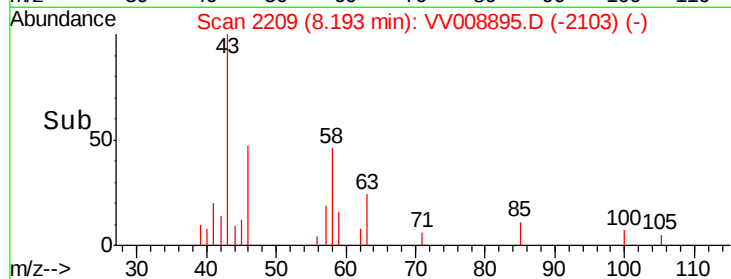
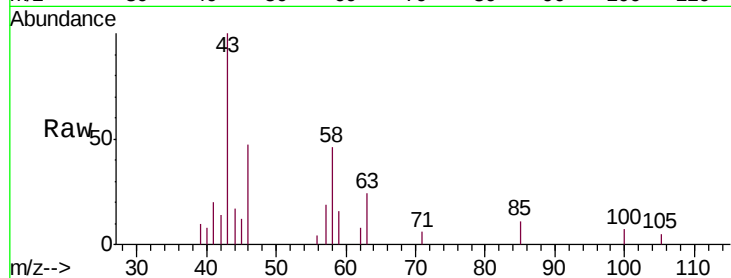




#49
2-Hexanone
Concen: 2.268 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

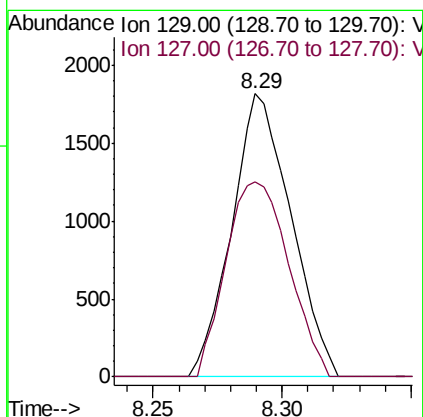
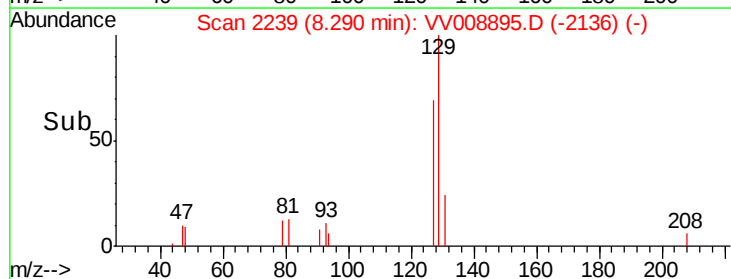
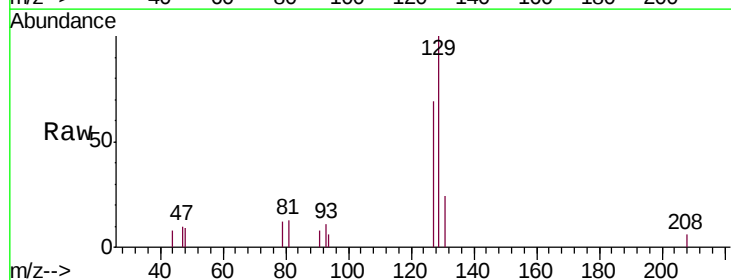
Instrument :
MSVOA_V
ClientSampleId :
MDL03

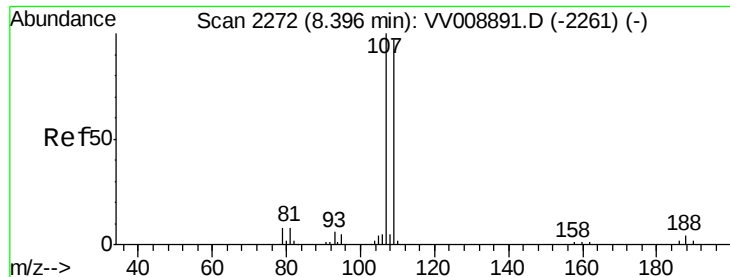
Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
43 100
58 58.6 43.9 65.9
57 24.9 15.7 23.5#
100 2.4 11.0 16.4#



#50
Dibromochloromethane
Concen: 0.925 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 129 Resp: 2903
Ion Ratio Lower Upper
129 100
127 68.7 53.5 99.3

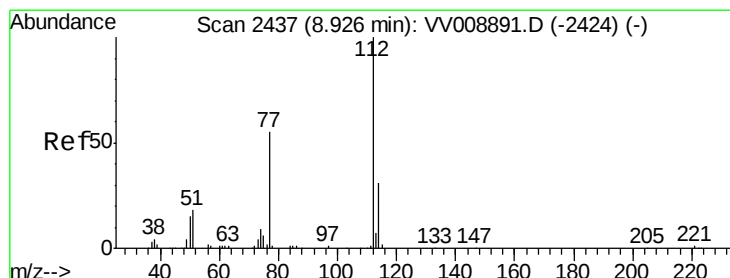
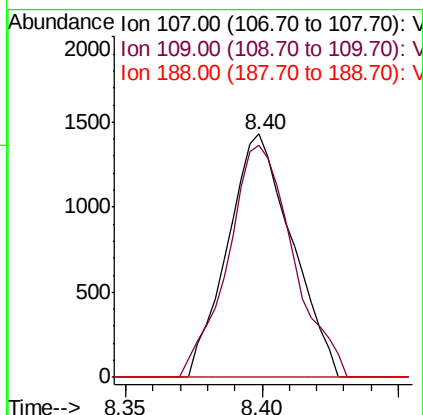
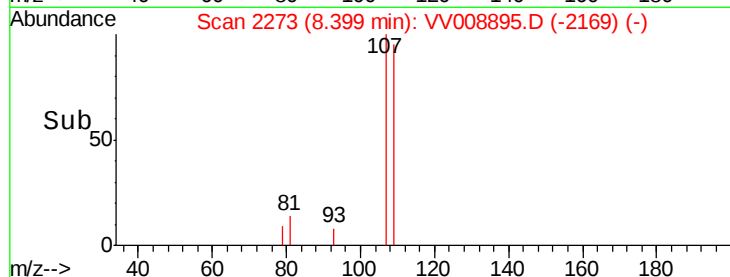
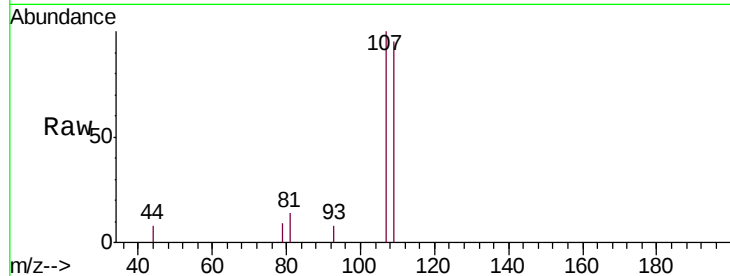




#51
1,2-Dibromoethane
Concen: 0.851 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

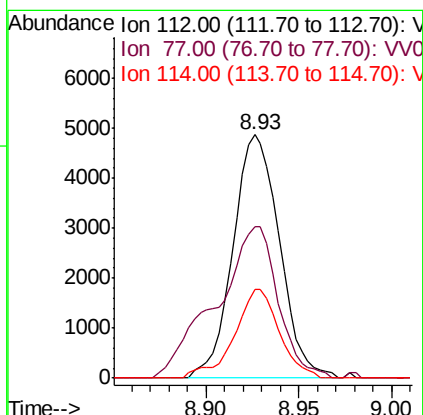
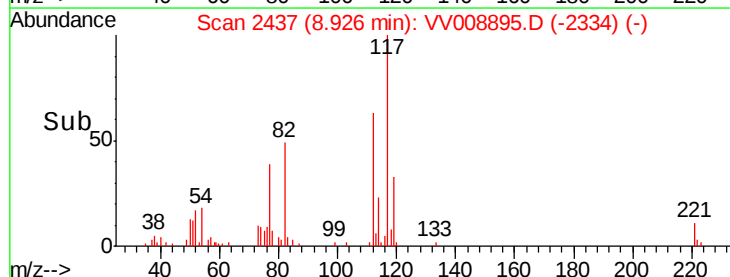
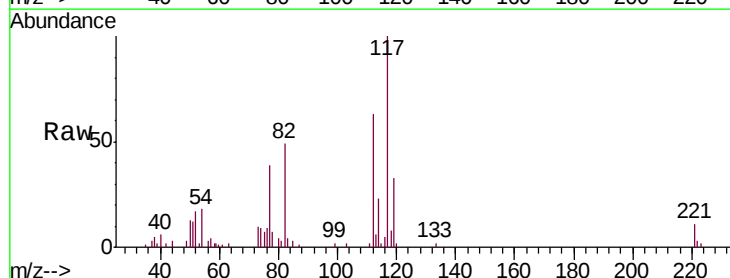
Instrument :
MSVOA_V
ClientSampleId :
MDL03

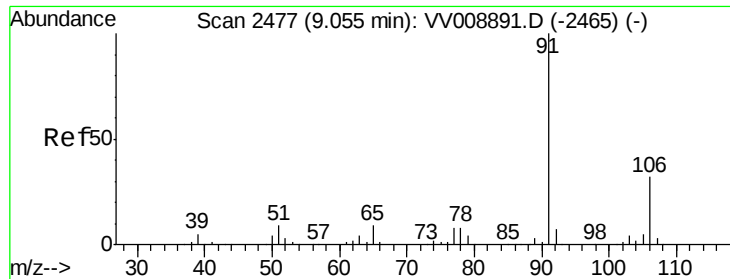
Tgt Ion:107 Resp: 2341
Ion Ratio Lower Upper
107 100
109 95.5 65.8 122.2
188 0.0 3.0 4.6#



#52
Chlorobenzene
Concen: 0.907 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion:112 Resp: 8481
Ion Ratio Lower Upper
112 100
77 62.1 44.6 66.8
114 36.6 22.6 42.0





#53

Ethylbenzene

Concen: 0.869 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

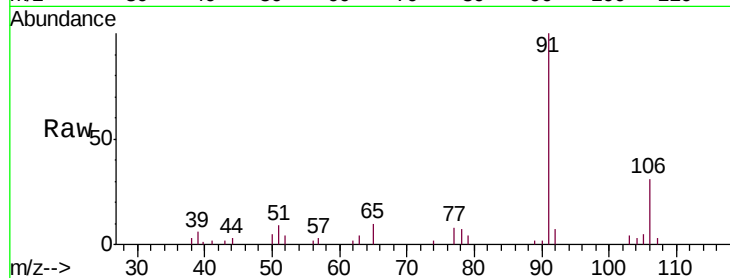
MDL03

Tgt Ion: 91 Resp: 13540

Ion Ratio Lower Upper

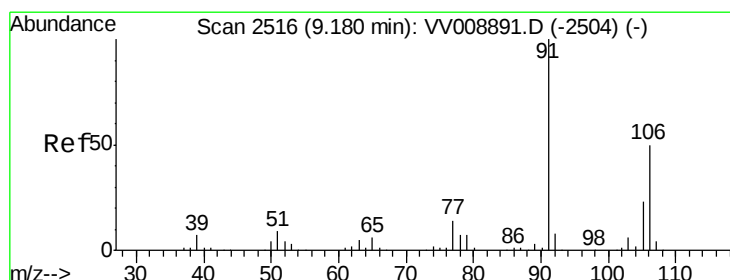
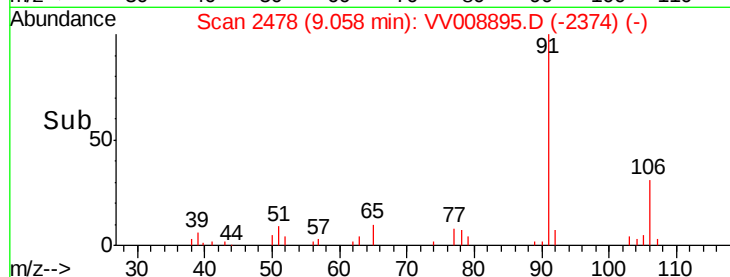
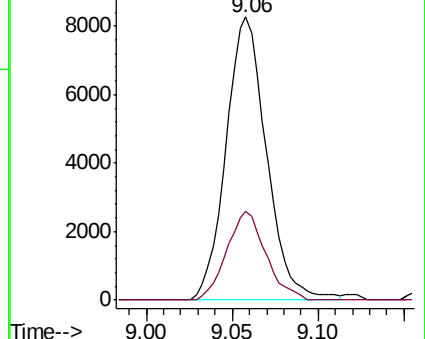
91 100

106 31.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008895.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008895.D (-2465) (-)



#54

m,p-Xylene

Concen: 0.832 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008895.D

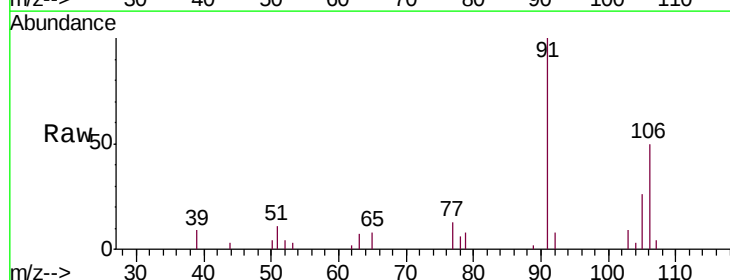
Acq: 11 Dec 2018 13:04

Tgt Ion: 106 Resp: 4911

Ion Ratio Lower Upper

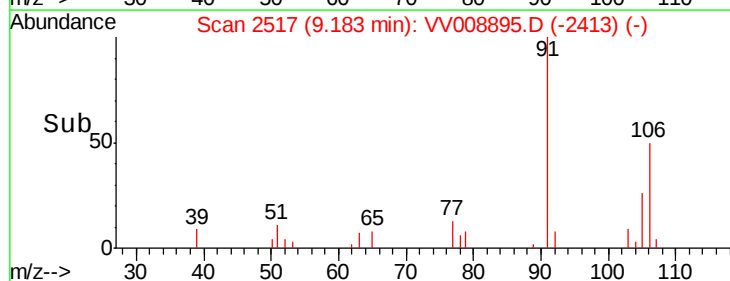
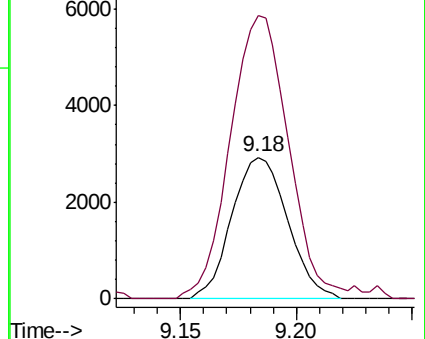
106 100

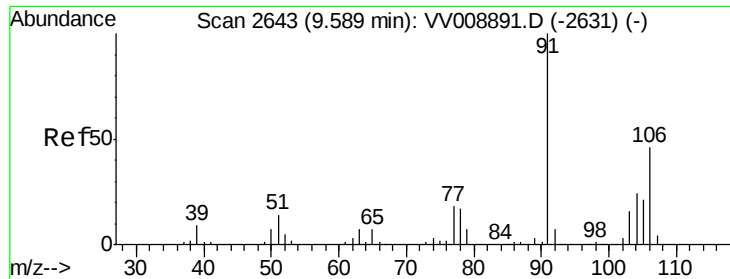
91 199.6 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008895.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008895.D (-2504) (-)

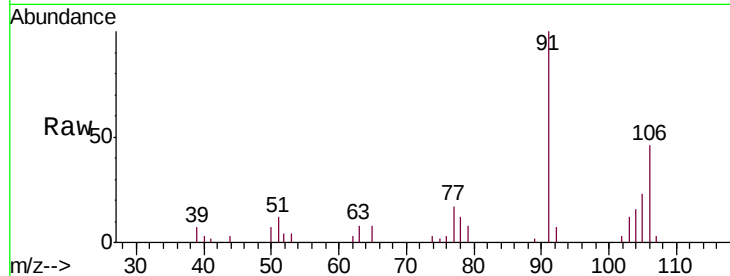




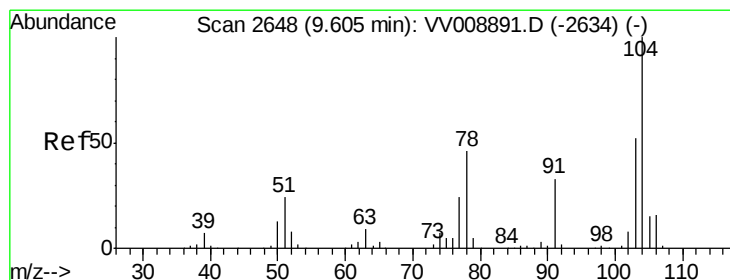
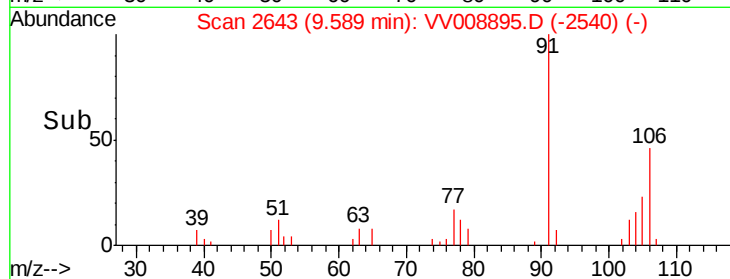
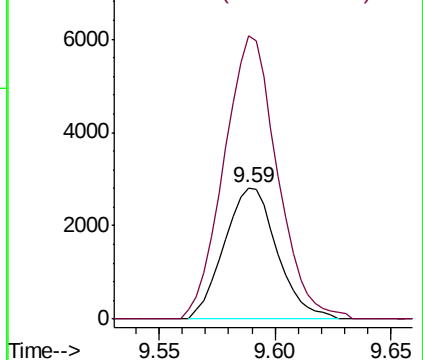
#55
o-xylene
Concen: 0.814 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion:106 Resp: 4464
Ion Ratio Lower Upper
106 100
91 215.5 148.3 275.5

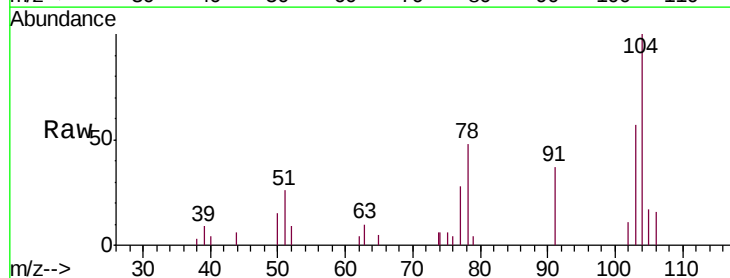


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

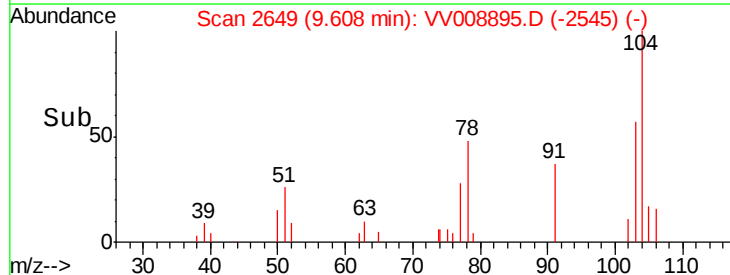
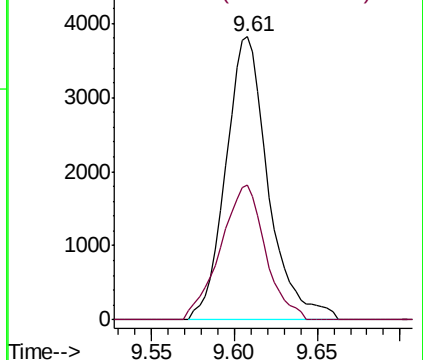


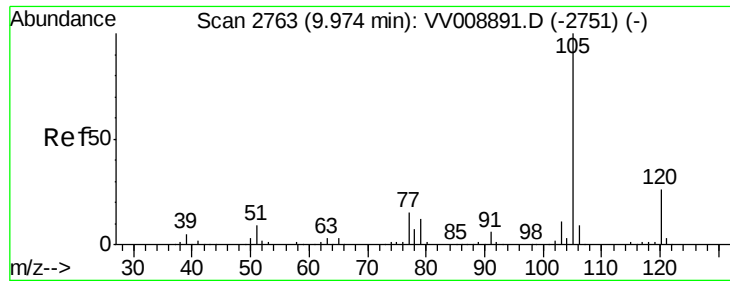
#56
Styrene
Concen: 0.770 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion:104 Resp: 6811
Ion Ratio Lower Upper
104 100
78 47.8 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: 0.827 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

MDL03

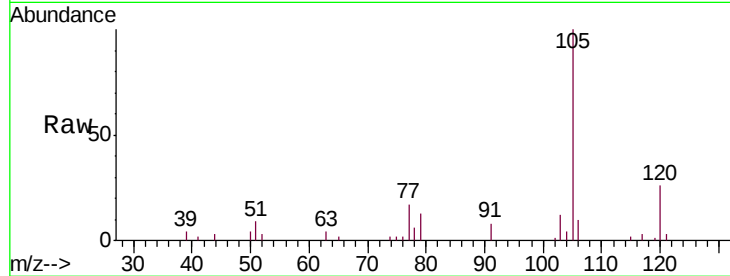
Tgt Ion: 105 Resp: 12322

Ion Ratio Lower Upper

105 100

120 25.6 21.7 32.5

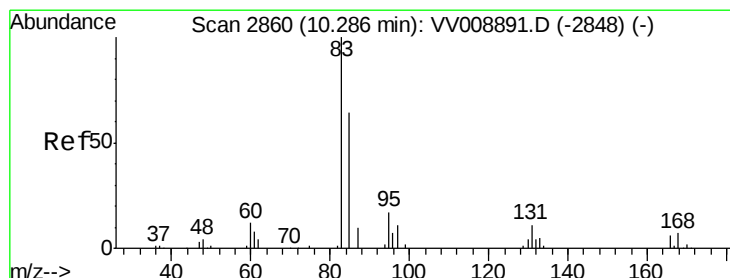
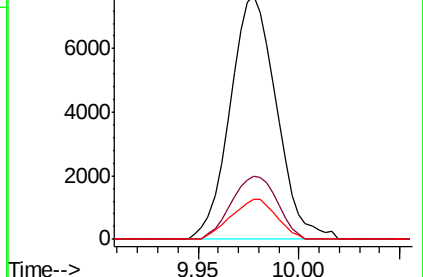
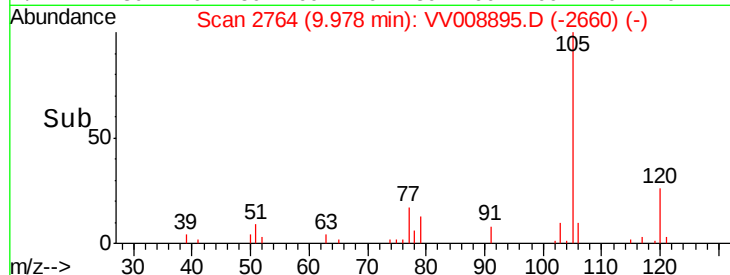
77 16.2 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VV008895.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV008895.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV008895.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.921 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

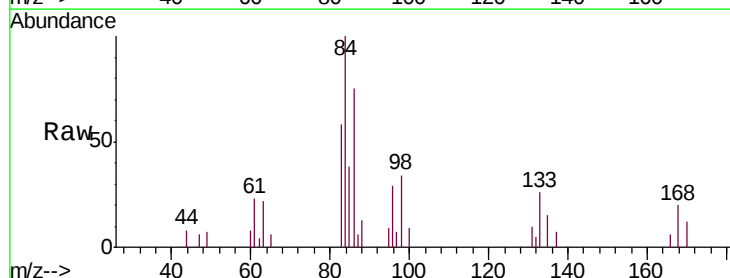
Tgt Ion: 83 Resp: 2727

Ion Ratio Lower Upper

83 100

85 66.0 44.3 82.3

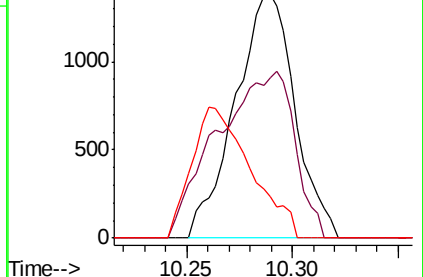
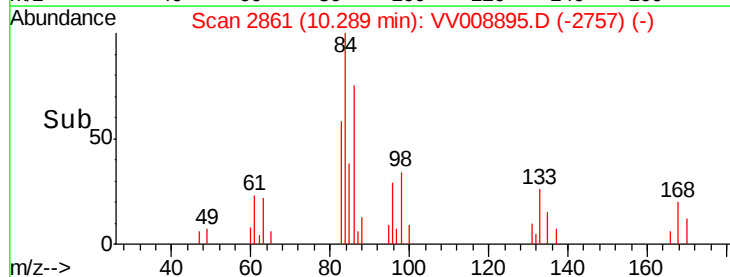
131 17.1 7.8 11.8#

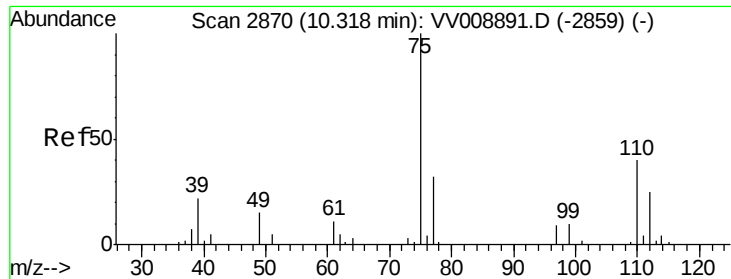


Abundance Ion 83.00 (82.70 to 83.70): VV008895.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV008895.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV008895.D (-2757) (-)

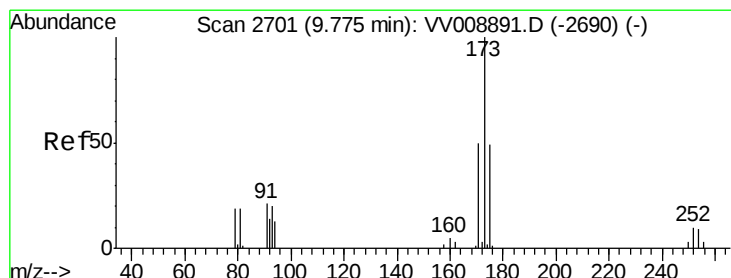
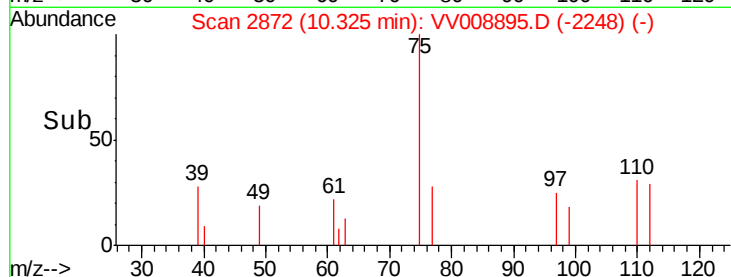
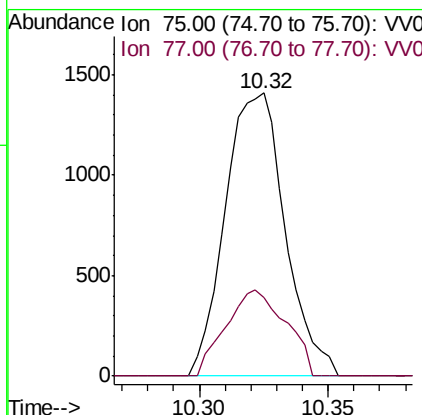
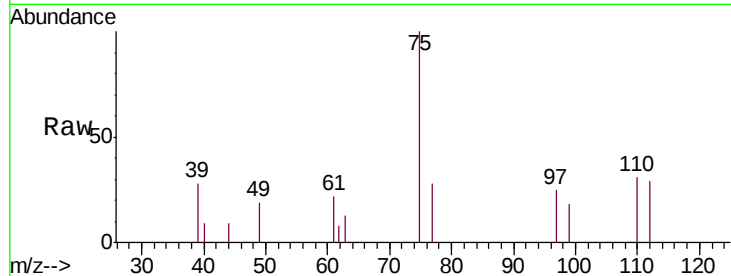




#59
 1,2,3-Trichloropropane
 Concen: 0.890 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

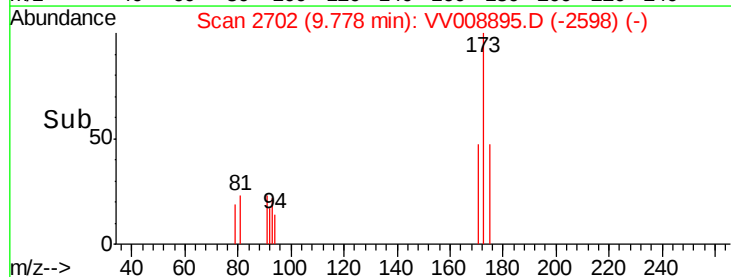
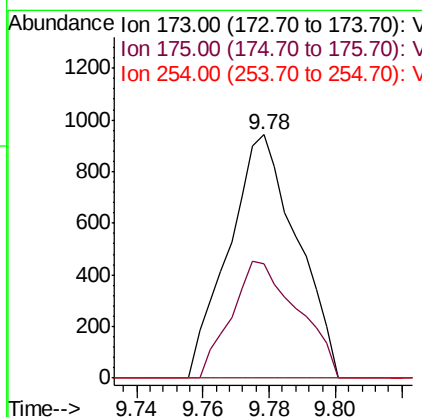
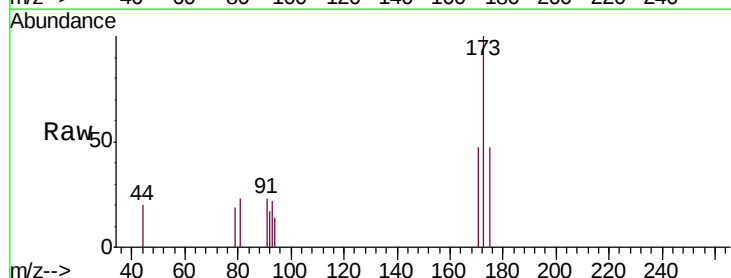
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

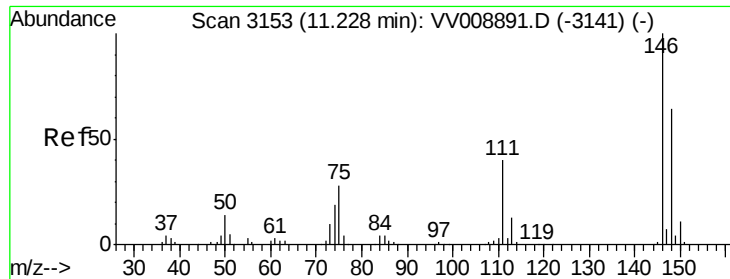
Tgt Ion: 75 Resp: 2281
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4



#62
 Bromoform
 Concen: 0.822 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 173 Resp: 1350
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.7 56.5
 254 0.0 7.1 10.7#

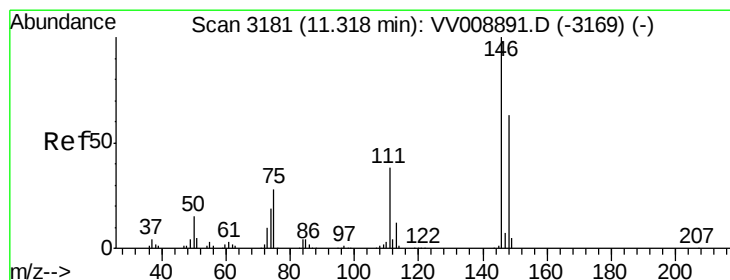
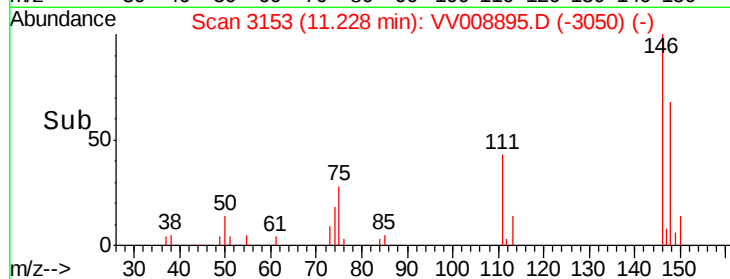
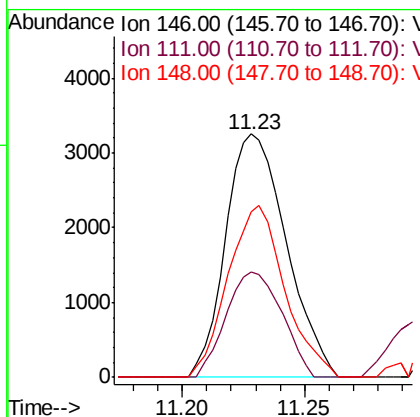
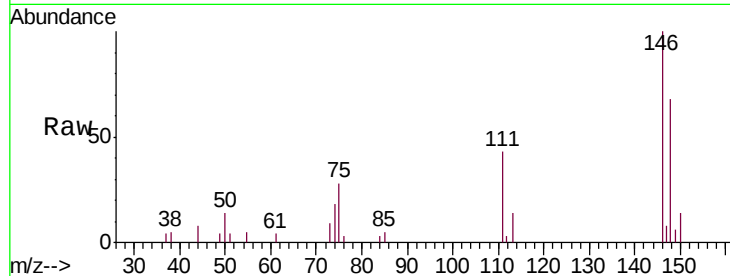




#63
 1,3-Dichlorobenzene
 Concen: 0.958 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

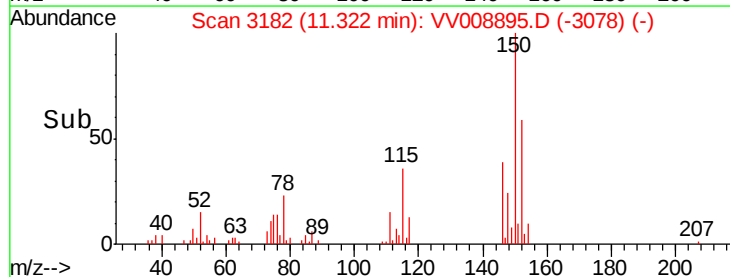
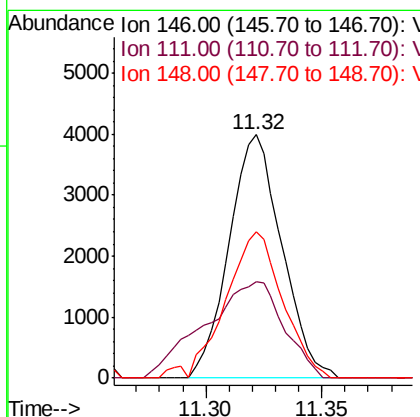
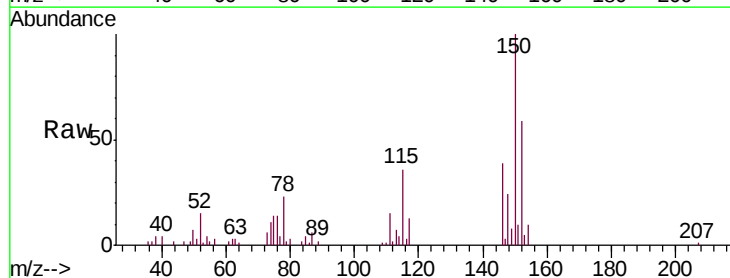
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

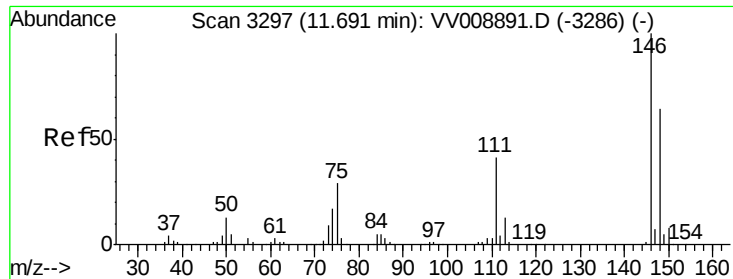
Tgt Ion:146 Resp: 5620
 Ion Ratio Lower Upper
 146 100
 111 43.3 27.5 51.1
 148 67.9 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 1.046 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion:146 Resp: 6309
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 60.2 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 0.986 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

MDL03

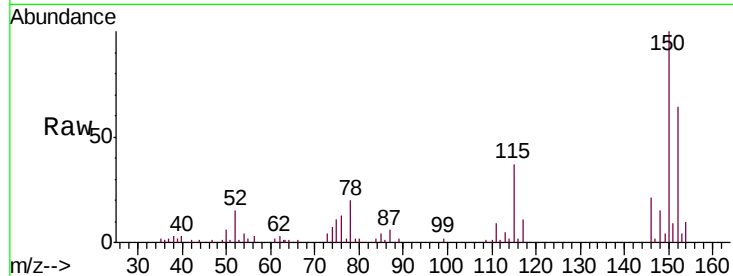
Tgt Ion:146 Resp: 5331

Ion Ratio Lower Upper

146 100

111 42.0 34.2 51.4

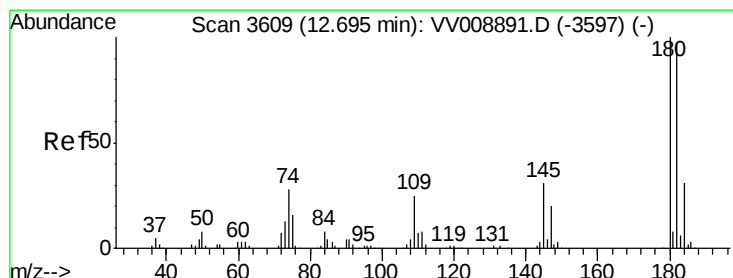
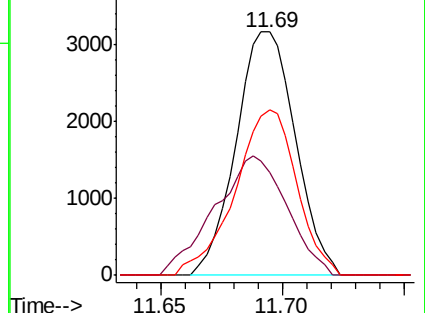
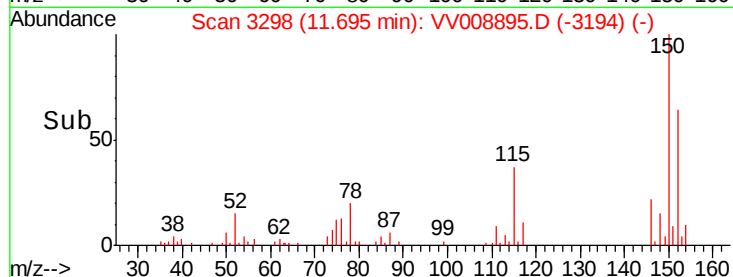
148 68.2 51.0 76.6



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: 0.819 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tgt Ion:180 Resp: 3467

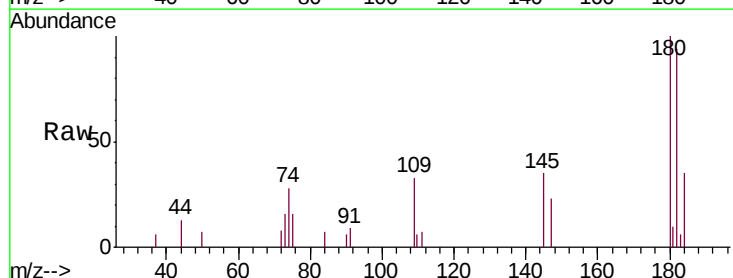
Ion Ratio Lower Upper

180 100

182 89.2 75.9 113.9

184 24.0 23.8 35.6

145 32.8 24.2 36.4

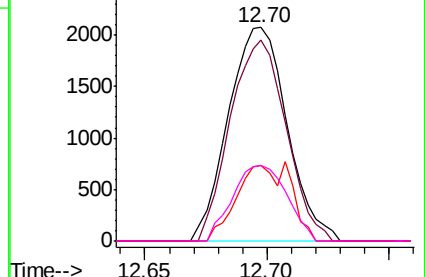
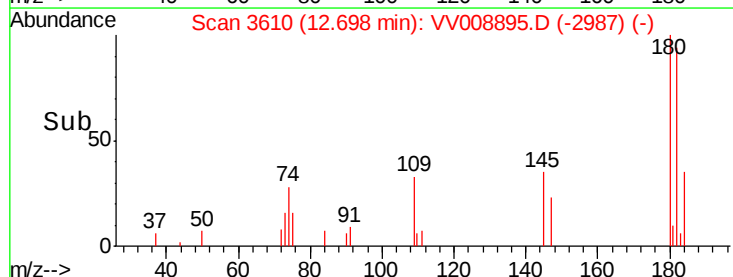


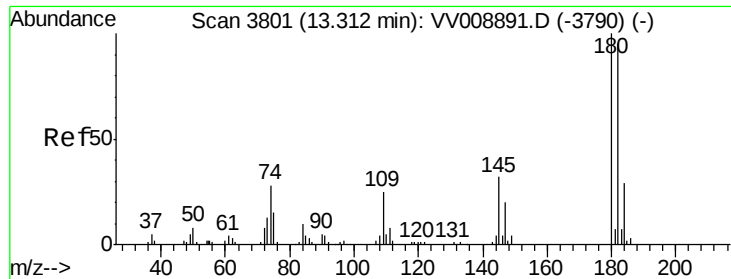
Abundance Ion 180.00 (179.70 to 180.70): V

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

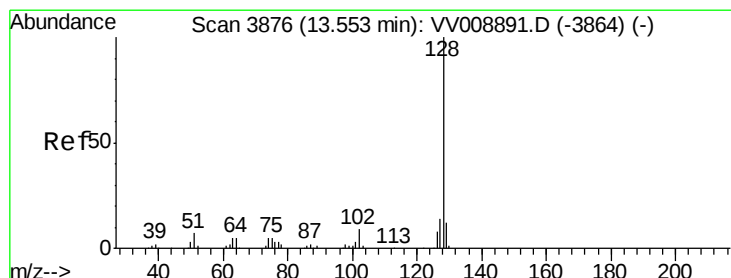
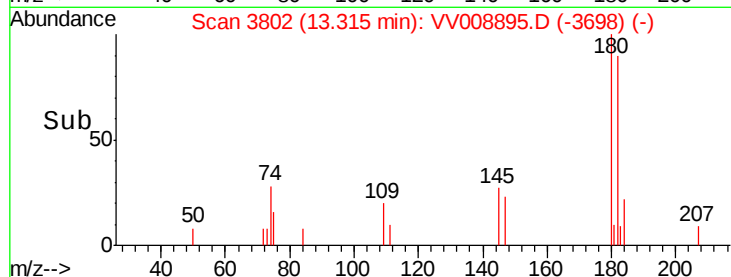
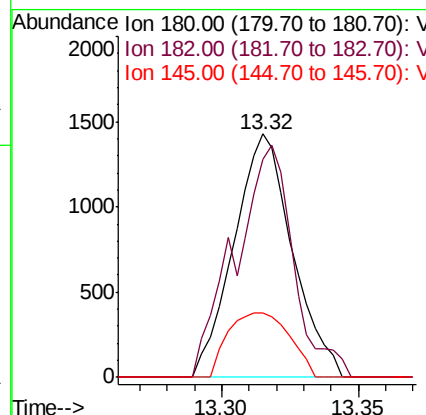
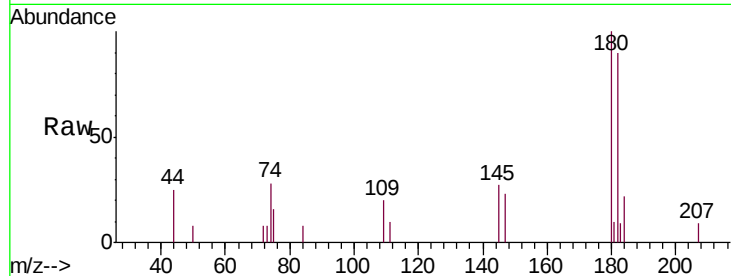




#68
 1,2,4-trichlorobenzene
 Concen: 0.715 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

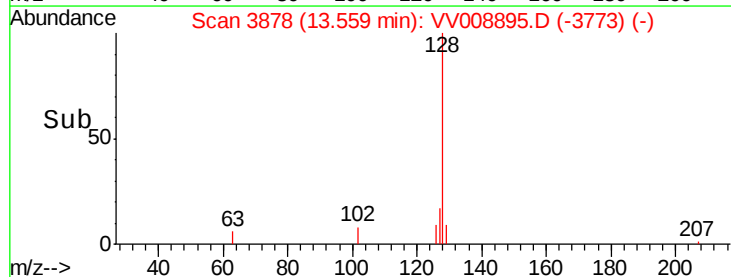
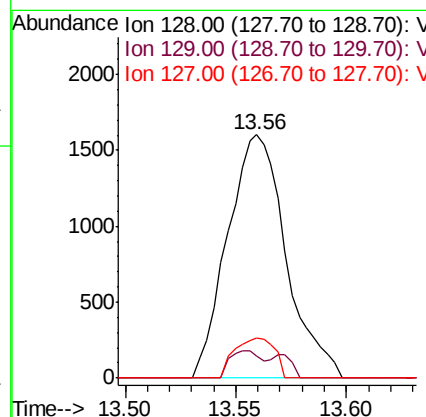
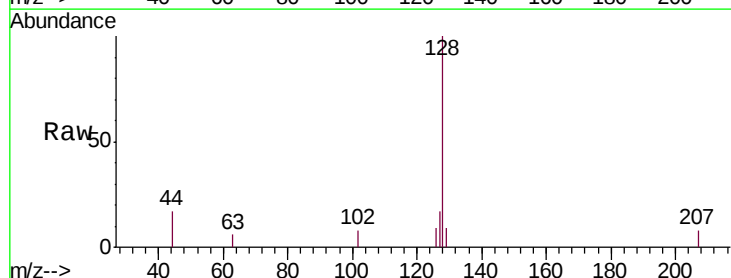
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

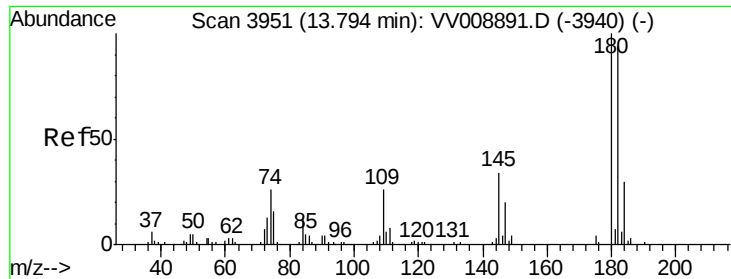
Tgt Ion:180 Resp: 2121
 Ion Ratio Lower Upper
 180 100
 182 59.4 77.4 116.0#
 145 27.9 25.6 38.4



#69
 Naphthalene
 Concen: 0.576 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion:128 Resp: 2946
 Ion Ratio Lower Upper
 128 100
 129 6.0 8.6 13.0#
 127 11.3 10.0 15.0





#70
 1,2,3-Trichlorobenzene
 Concen: 0.712 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 1951
 Ion Ratio Lower Upper
 180 100
 182 80.9 76.1 114.1
 145 24.6 26.7 40.1#

