

Data File : VV008898.D
Acq On : 11 Dec 2018 14:18
Operator : SY/MD
Sample : MDL06
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Dec 12 04:38:28 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	223087	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193928	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54775	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
7) Chloroethane-d5	1.58	69	53918	31.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.44%
10) 1,1-Dichloroethene-d2	2.13	63	108009	18.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.84%
20) 2-Butanone-d5	3.94	46	45935	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
24) Chloroform-d	4.40	84	126268	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	5.08	65	74561	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.92%
29) Benzene-d6	5.10	84	263105	24.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.16%
33) 1,2-Dichloropropane-d6	6.12	67	75326	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	7.36	98	237886	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.92%
38) trans-1,3-Dichloropropene-	7.67	79	31802	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.48%
39) 2-Hexanone-d5	8.14	63	29924	53.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61864	24.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	74240	23.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5680	1.553 ug/L	95
3) Chloromethane	1.25	50	3881	1.544 ug/L	96
5) Vinyl chloride	1.32	62	4043	1.441 ug/L #	67
6) Bromomethane	1.53	94	2396	1.776 ug/L	97
8) Chloroethane	1.60	64	2989	1.902 ug/L	92
9) Trichlorofluoromethane	1.77	101	7968	1.658 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5426	1.647 ug/L	89
12) 1,1-Dichloroethene	2.14	96	4880	1.697 ug/L #	1
13) Acetone	2.20	43	4149	3.350 ug/L	94
14) Carbon disulfide	2.32	76	12248	1.326 ug/L #	93
15) Methyl Acetate	2.46	43	2157	1.374 ug/L	95
16) Methylene chloride	2.53	84	12499	3.327 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	9047	1.385 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	4365	1.405 ug/L	98
19) 1,1-Dichloroethane	3.23	63	6497	1.290 ug/L	95
21) 2-Butanone	4.03	43	574	0.495 ug/L	83
22) cis-1,2-Dichloroethene	3.96	96	4503	1.390 ug/L	86

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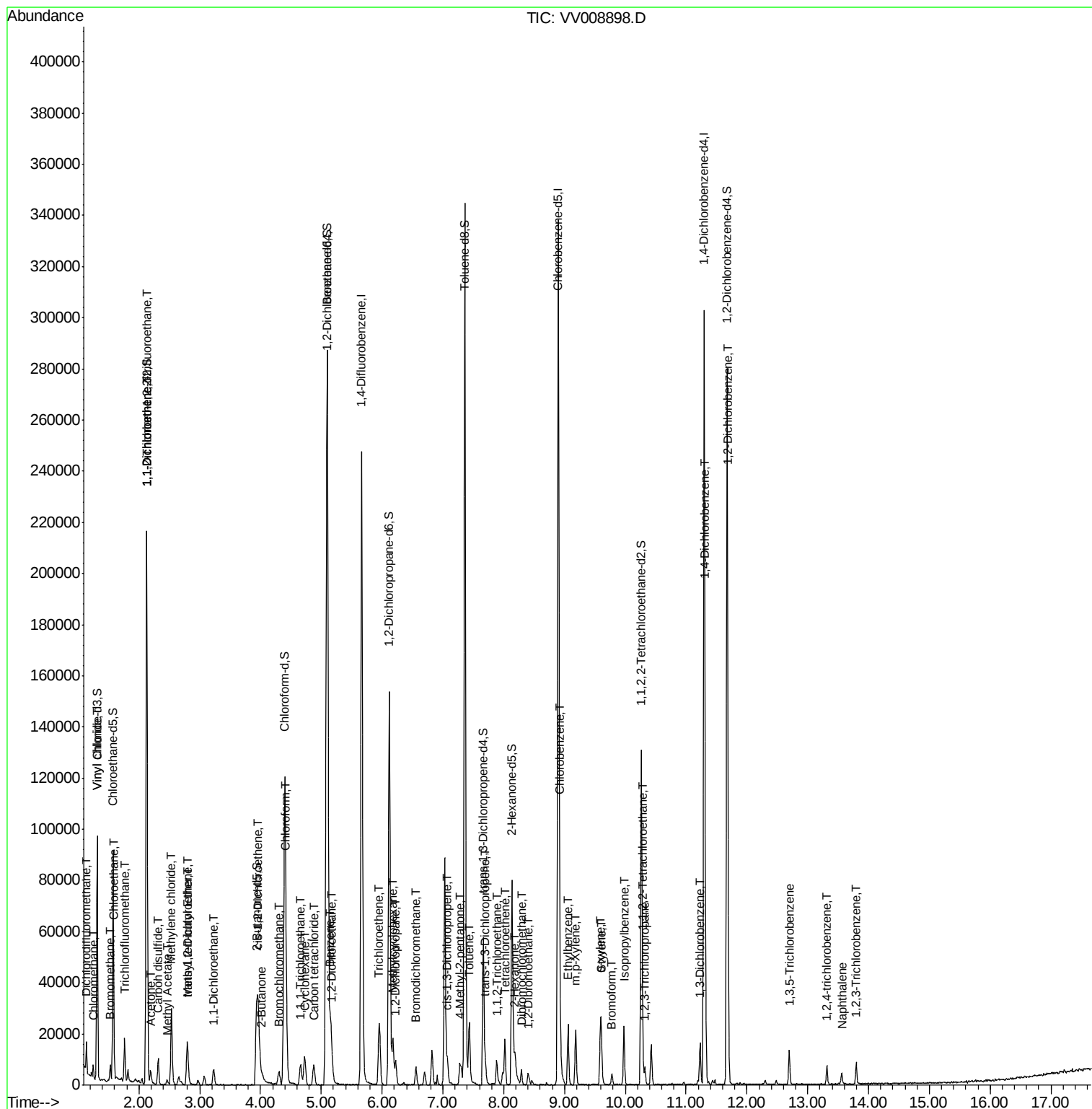
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	2021	1.323	ug/L	89
25) Chloroform	4.43	83	9736	1.801	ug/L	82
27) 1,2-Dichloroethane	5.18	62	5306	1.441	ug/L	98
30) Cyclohexane	4.73	56	6258	1.282	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	6571	1.314	ug/L #	89
32) Carbon tetrachloride	4.88	117	6025	1.320	ug/L	96
34) Benzene	5.15	78	17434	1.501	ug/L	100
35) Trichloroethene	5.96	95	5317	1.518	ug/L	96
36) Methylcyclohexane	6.18	83	7782	1.393	ug/L	93
40) 1,2-Dichloropropane	6.22	63	3752	1.346	ug/L #	85
41) Bromodichloromethane	6.56	83	4915	1.337	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	5477	1.342	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	6077	3.224	ug/L #	96
44) Toluene	7.43	91	17321	1.422	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	4754	1.336	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	3317	1.428	ug/L	94
47) Tetrachloroethene	8.02	164	3741	1.313	ug/L	89
49) 2-Hexanone	8.19	43	5446	3.493	ug/L #	89
50) Dibromochloromethane	8.29	129	3382	1.270	ug/L	87
51) 1,2-Dibromoethane	8.40	107	3149	1.350	ug/L #	95
52) Chlorobenzene	8.93	112	10974	1.383	ug/L	96
53) Ethylbenzene	9.06	91	16773	1.269	ug/L	99
54) m,p-Xylene	9.18	106	6169	1.233	ug/L	98
55) o-xylene	9.59	106	5652	1.215	ug/L	94
56) Styrene	9.61	104	8790	1.172	ug/L	97
57) Isopropylbenzene	9.98	105	14534	1.150	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.29	83	3799	1.512	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	2974	1.368	ug/L	94
62) Bromoform	9.78	173	2090	1.395	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	7598	1.421	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	7763	1.411	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	7342	1.490	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	4901	1.269	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2771	1.024	ug/L	95
69) Naphthalene	13.56	128	4169	0.895	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2524	1.010	ug/L	97

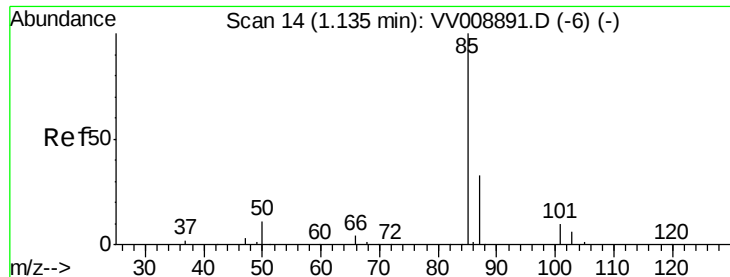
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.553 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

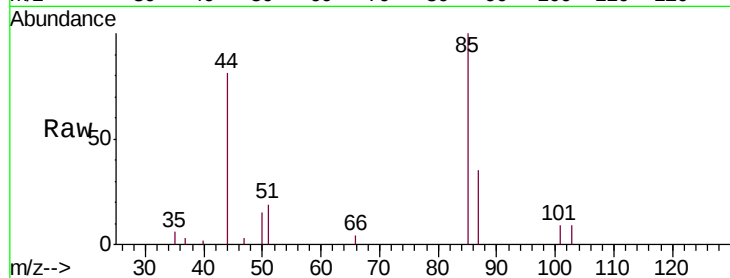
MDL06

Tgt Ion: 85 Resp: 5680

Ion Ratio Lower Upper

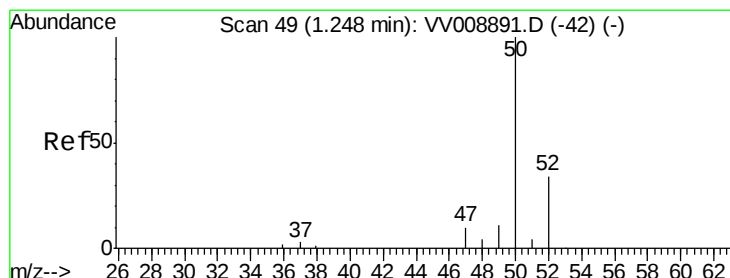
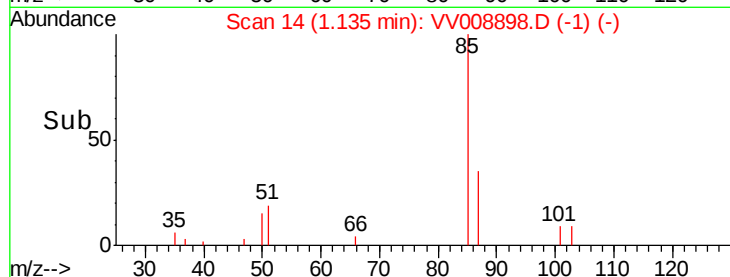
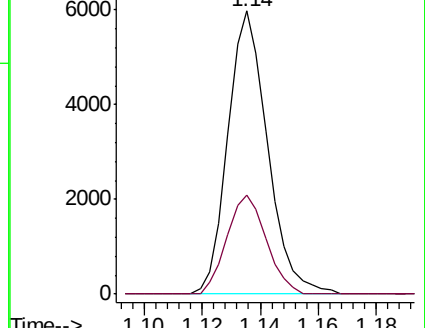
85 100

87 34.7 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV008898.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008898.D (-6) (-)



#3

Chloromethane

Concen: 1.544 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008898.D

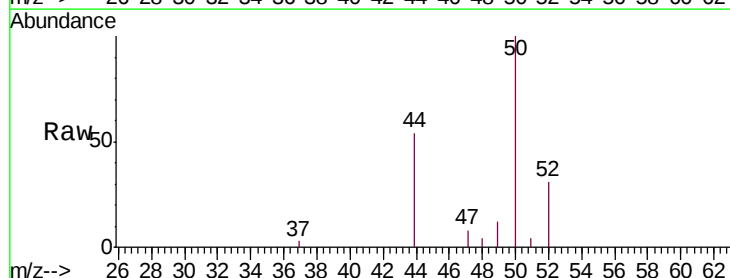
Acq: 11 Dec 2018 14:18

Tgt Ion: 50 Resp: 3881

Ion Ratio Lower Upper

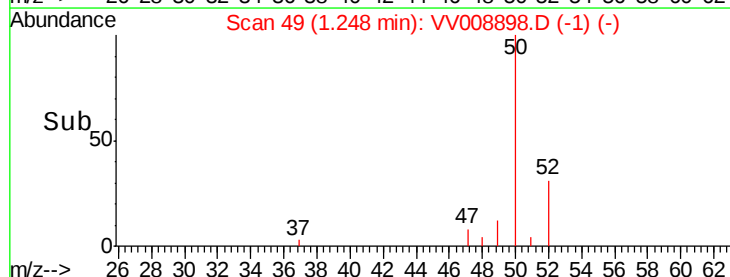
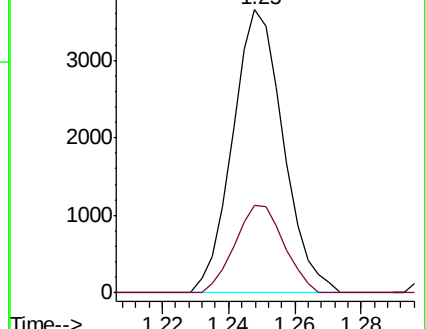
50 100

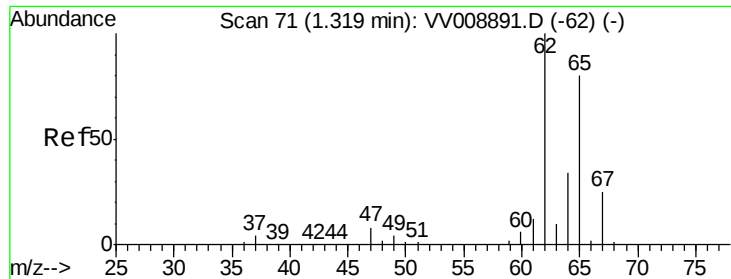
52 31.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008898.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008898.D (-42) (-)





#5

Vinyl chloride

Concen: 1.441 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

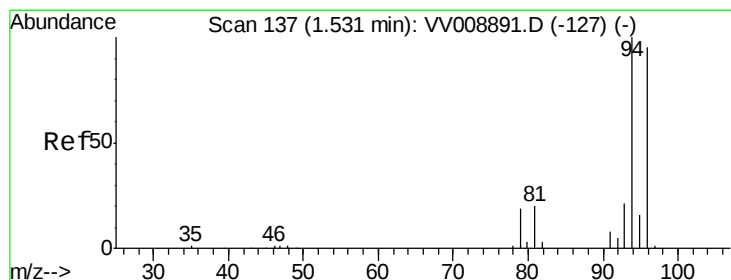
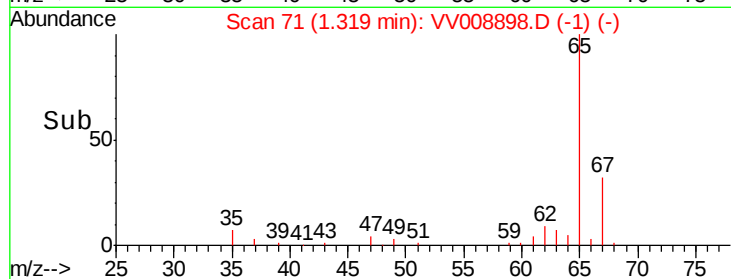
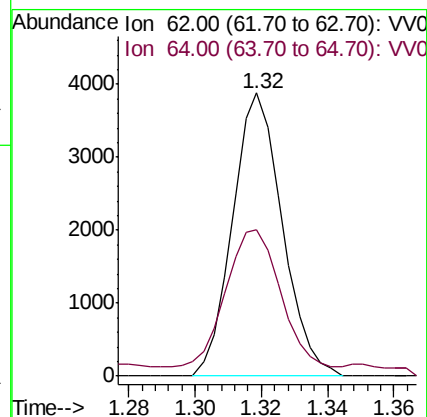
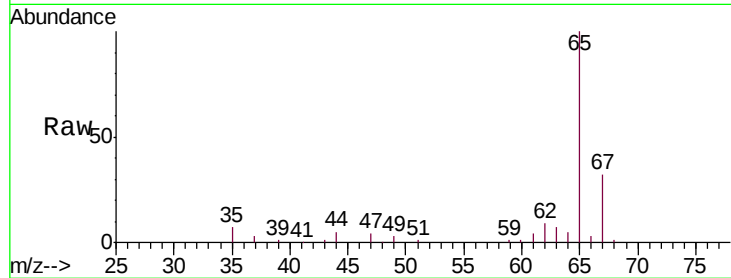
MDL06

Tgt Ion: 62 Resp: 4043

Ion Ratio Lower Upper

62 100

64 51.8 23.3 43.3#



#6

Bromomethane

Concen: 1.776 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008898.D

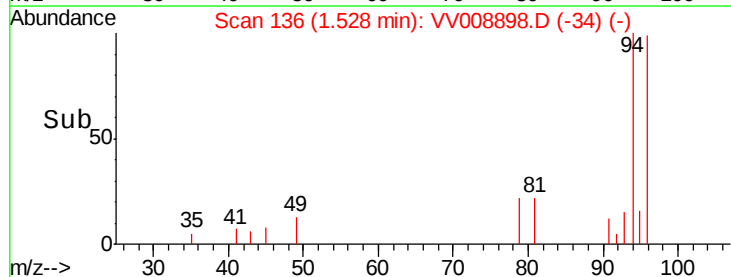
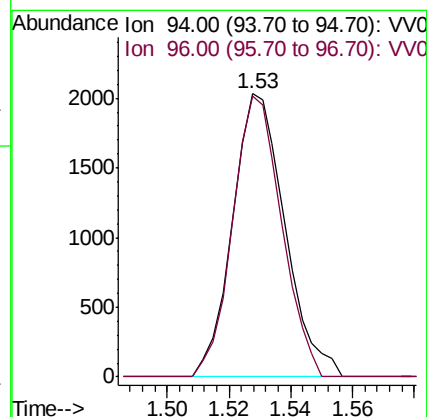
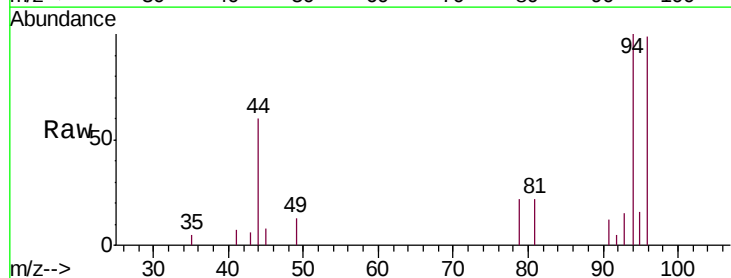
Acq: 11 Dec 2018 14:18

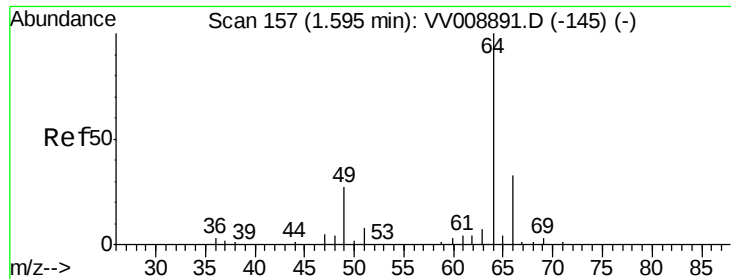
Tgt Ion: 94 Resp: 2396

Ion Ratio Lower Upper

94 100

96 92.7 9.5 180.9

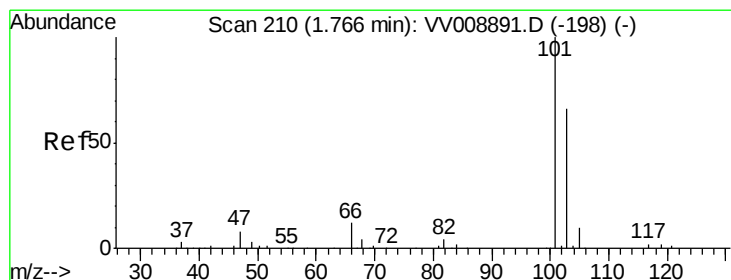
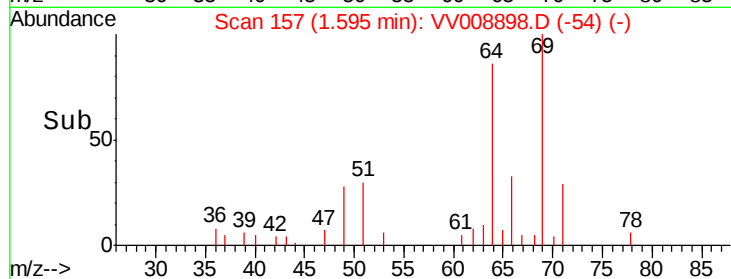
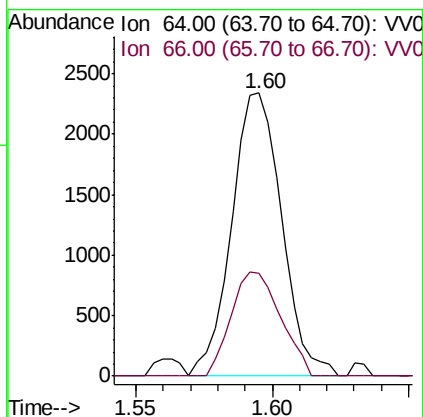
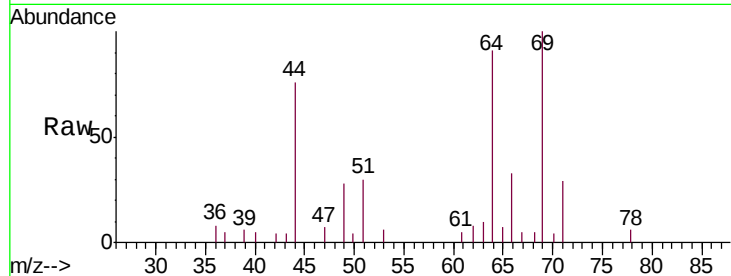




#8
Chloroethane
Concen: 1.902 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

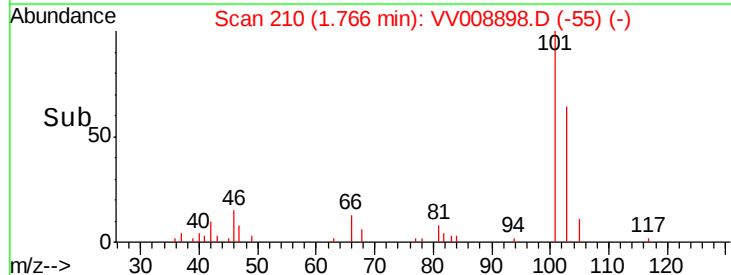
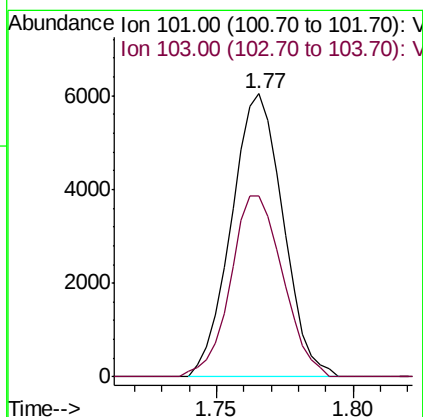
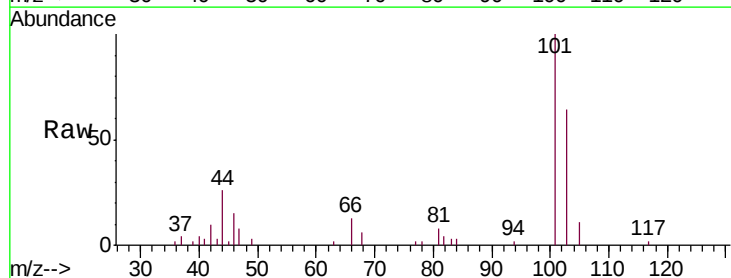
Instrument :
MSVOA_V
ClientSampled :
MDL06

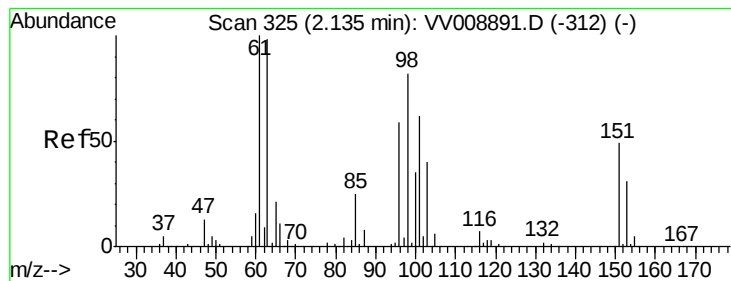
Tgt Ion: 64 Resp: 2989
Ion Ratio Lower Upper
64 100
66 36.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 1.658 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 101 Resp: 7968
Ion Ratio Lower Upper
101 100
103 64.7 44.8 83.2





#11

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

Concen: 1.647 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

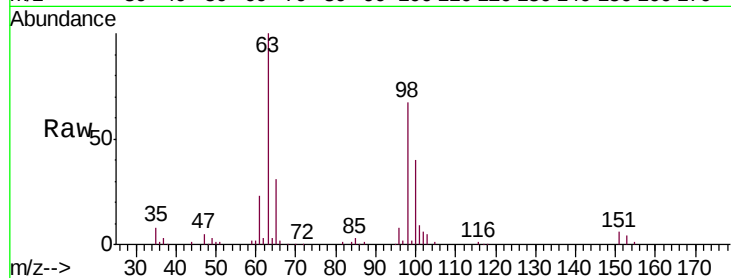
Tgt Ion:101 Resp: 5426

Ion Ratio Lower Upper

101 100

85 34.1 32.5 48.7

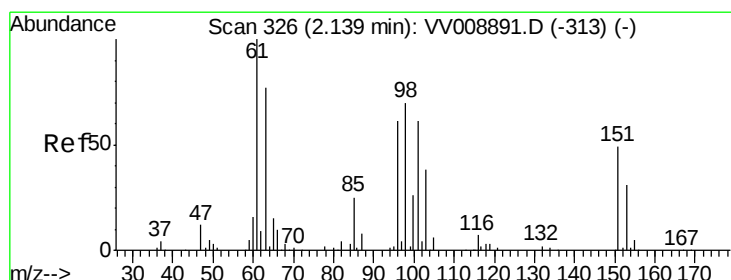
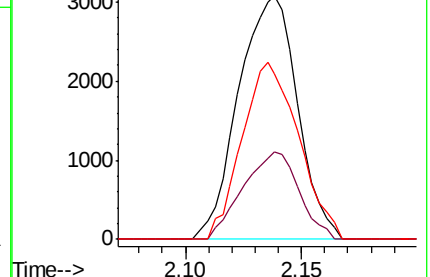
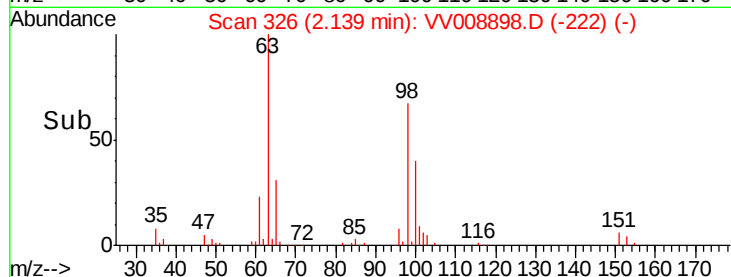
151 69.9 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008898.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV008898.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV008898.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 1.697 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

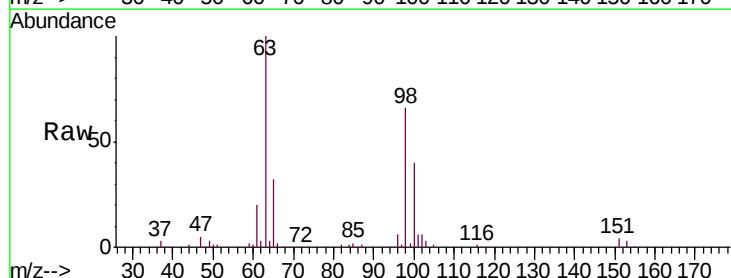
Tgt Ion: 96 Resp: 4880

Ion Ratio Lower Upper

96 100

61 323.8 114.0 211.6#

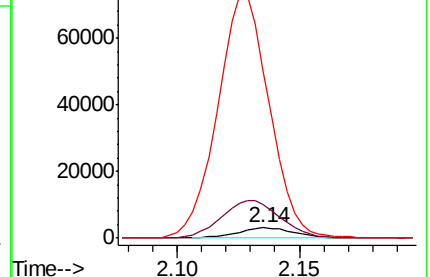
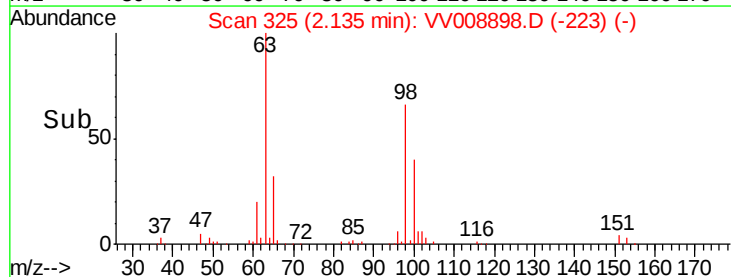
63 1635.0 82.4 153.0#

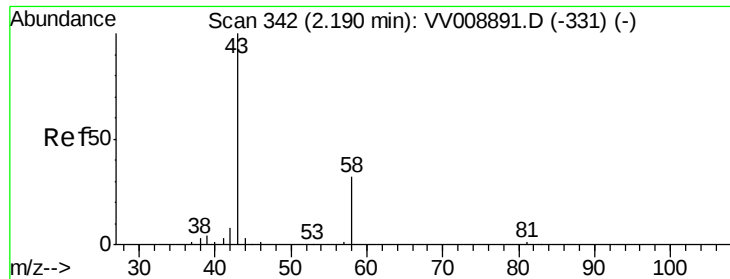


Abundance Ion 96.00 (95.70 to 96.70): VV008898.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV008898.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV008898.D (-223) (-)





#13

Acetone

Concen: 3.350 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

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Acq: 11 Dec 2018 14:18

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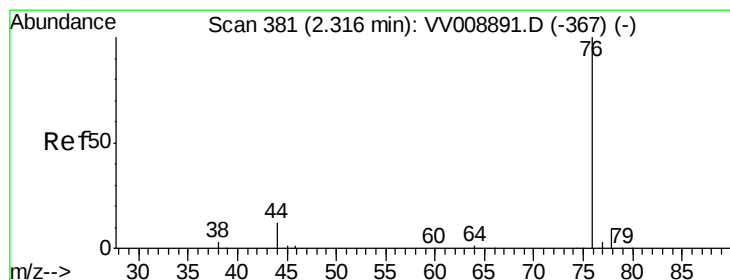
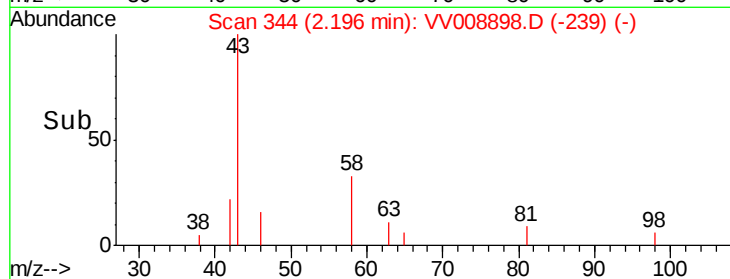
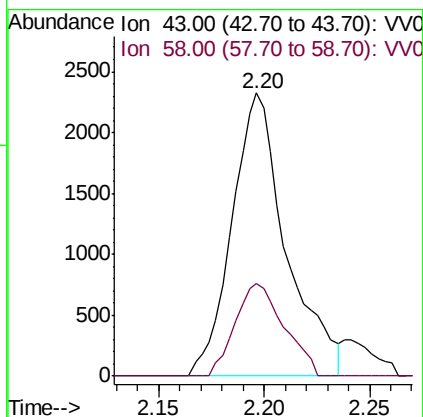
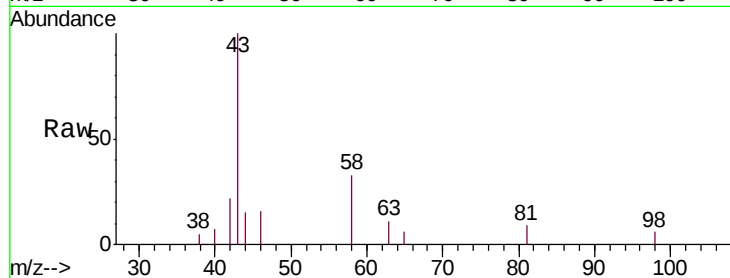
MDL06

Tgt Ion: 43 Resp: 4149

Ion Ratio Lower Upper

43 100

58 29.4 0.0 65.4



#14

Carbon disulfide

Concen: 1.326 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008898.D

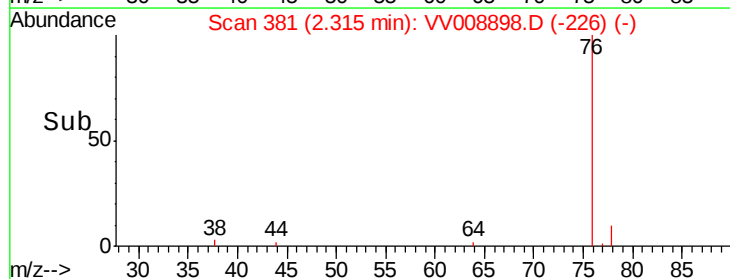
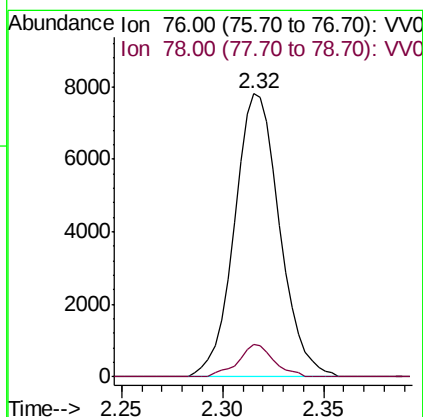
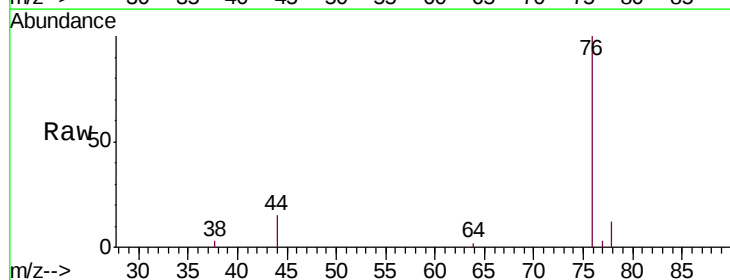
Acq: 11 Dec 2018 14:18

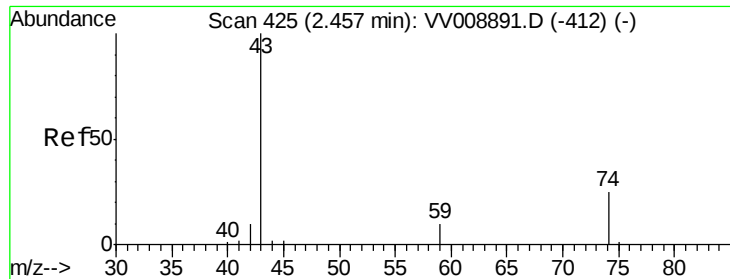
Tgt Ion: 76 Resp: 12248

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.0#

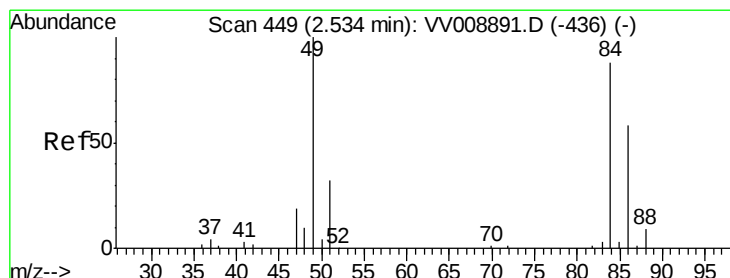
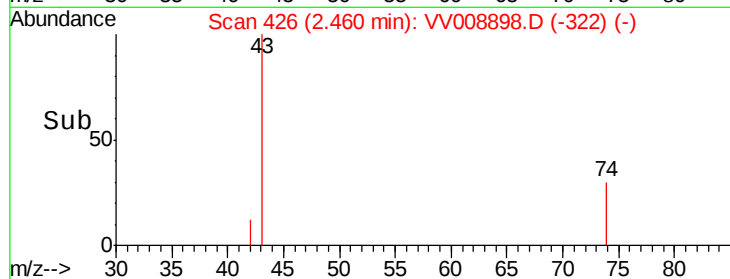
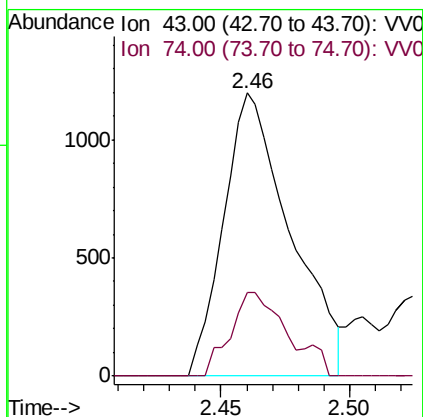
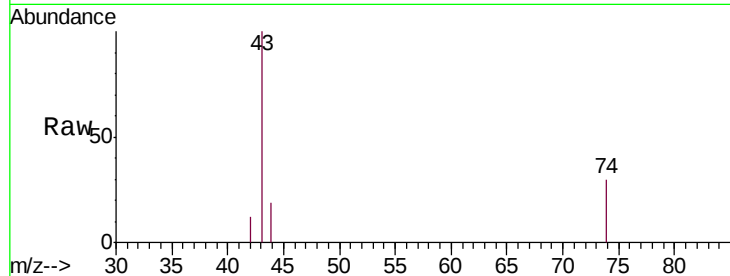




#15
Methyl Acetate
Concen: 1.374 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

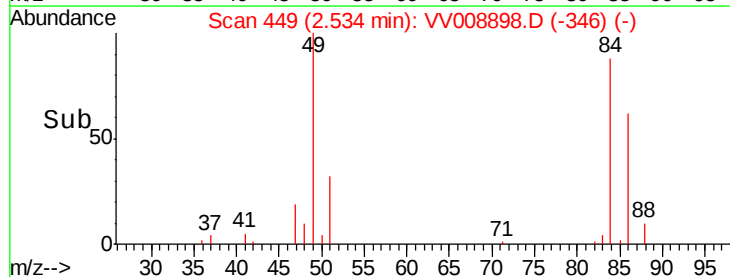
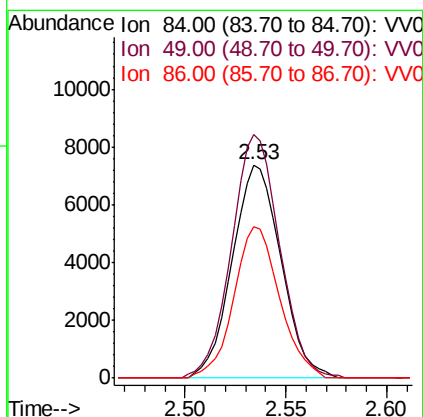
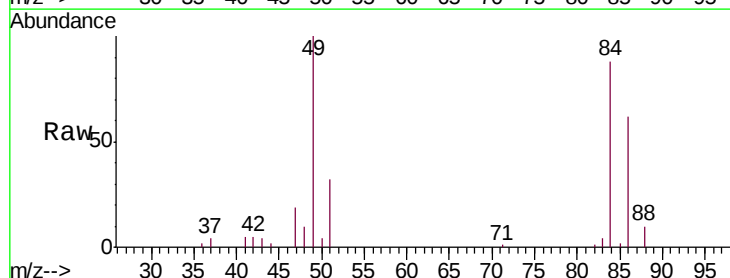
Instrument :
MSVOA_V
ClientSampled :
MDL06

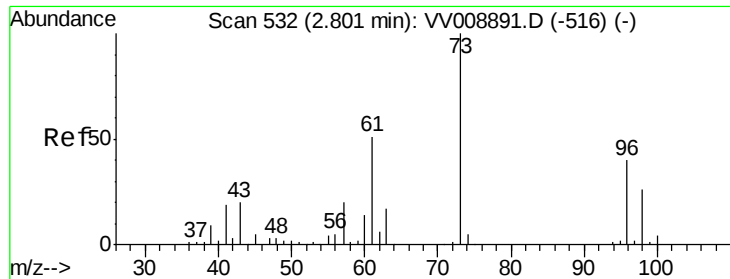
Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
74 22.3 19.7 29.5



#16
Methylene chloride
Concen: 3.327 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 84 Resp: 12499
Ion Ratio Lower Upper
84 100
49 114.3 80.5 149.5
86 71.1 45.5 84.5

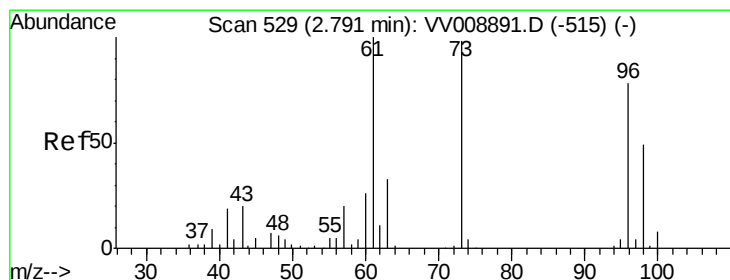
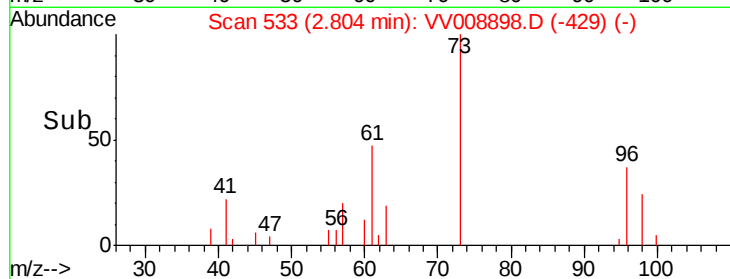
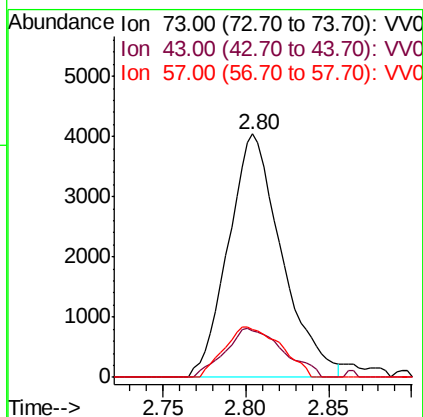
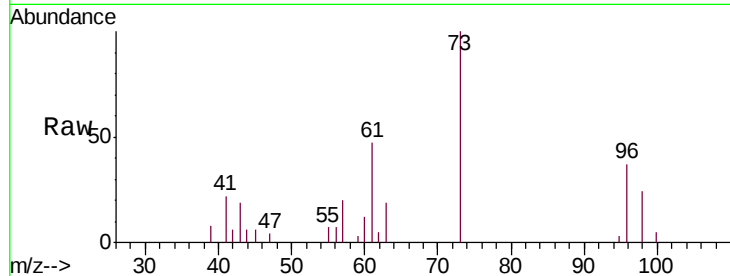




#17
Methyl tert-butyl Ether
Concen: 1.385 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

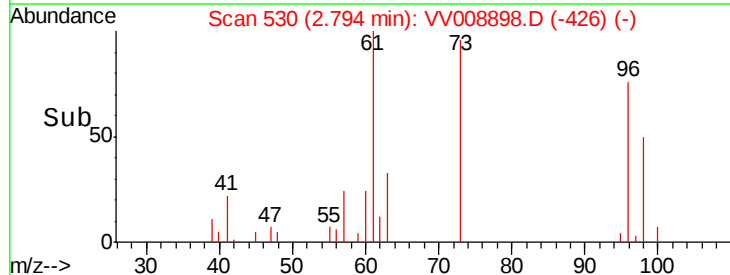
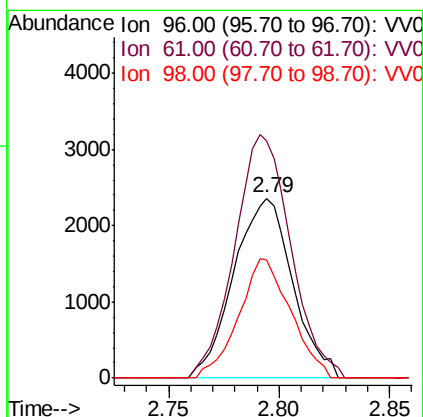
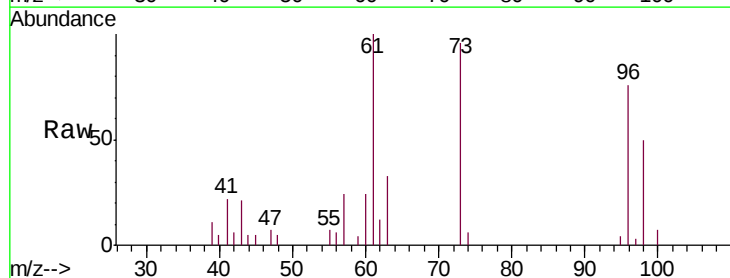
Instrument :
MSVOA_V
ClientSampled :
MDL06

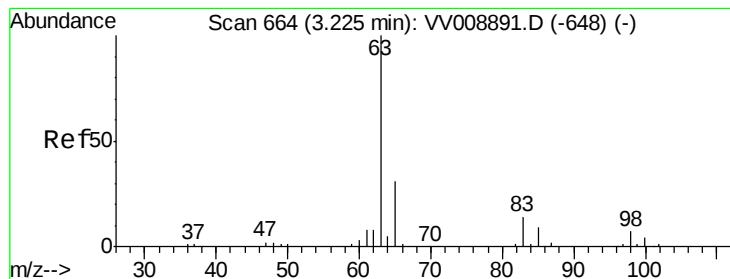
Tgt Ion: 73 Resp: 9047
Ion Ratio Lower Upper
73 100
43 21.8 14.9 22.3
57 21.9 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 1.405 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 96 Resp: 4365
Ion Ratio Lower Upper
96 100
61 132.1 94.6 175.8
98 65.6 45.3 84.1





#19

1,1-Dichloroethane

Concen: 1.290 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

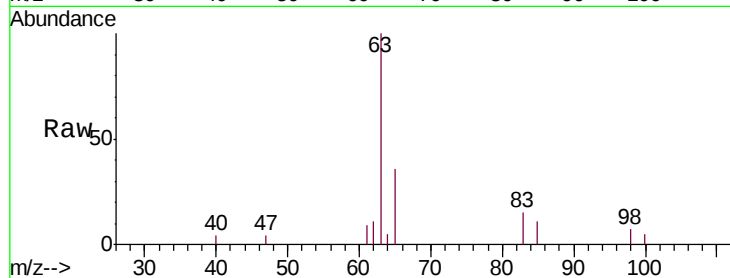
Tgt Ion: 63 Resp: 6497

Ion Ratio Lower Upper

63 100

65 36.4 22.7 42.1

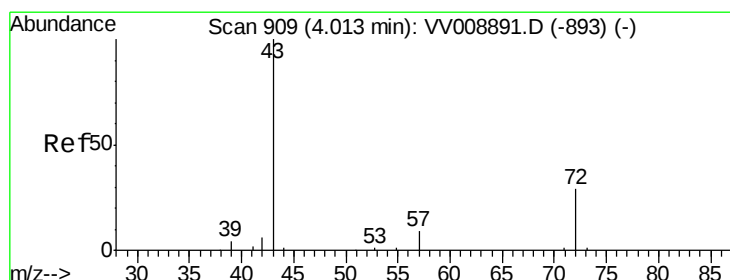
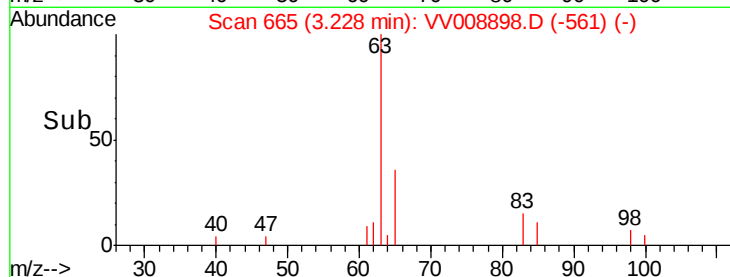
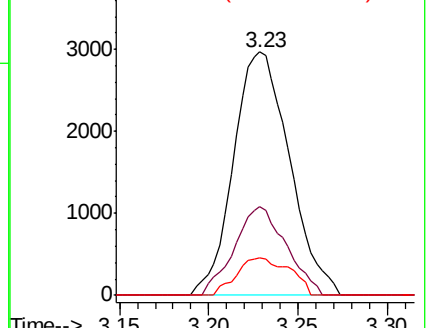
83 15.2 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV008898.D (-648) (-)

Ion 65.00 (64.70 to 65.70): VV008898.D (-648) (-)

Ion 83.00 (82.70 to 83.70): VV008898.D (-648) (-)



#21

2-Butanone

Concen: 0.495 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.02 min

Lab File: VV008898.D

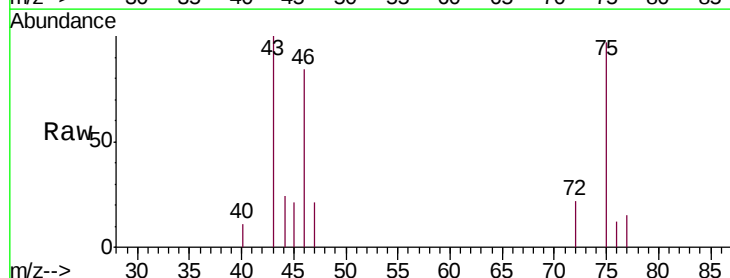
Acq: 11 Dec 2018 14:18

Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

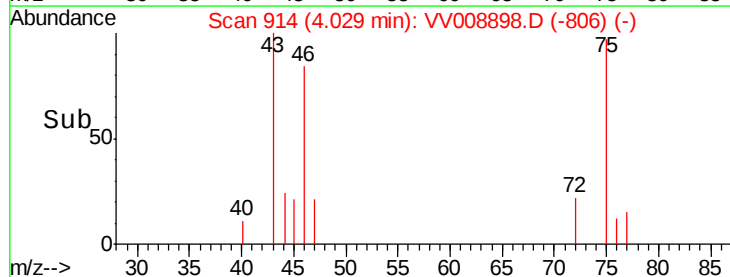
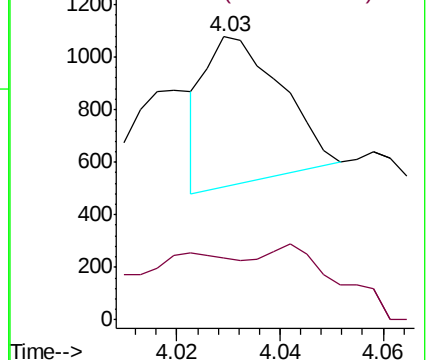
43 100

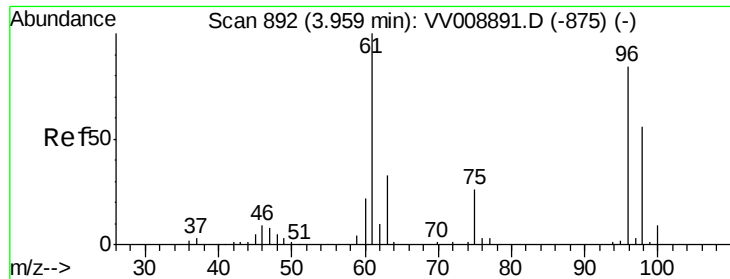
72 18.5 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VV008898.D (-806) (-)

Ion 72.00 (71.70 to 72.70): VV008898.D (-806) (-)



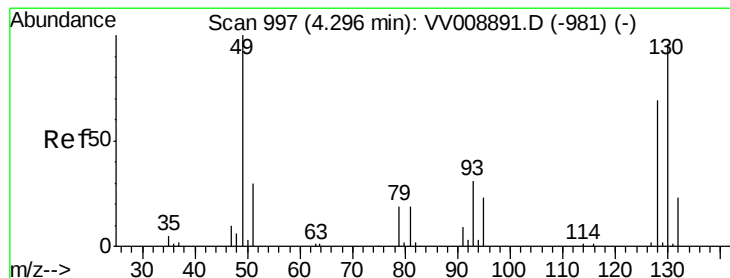
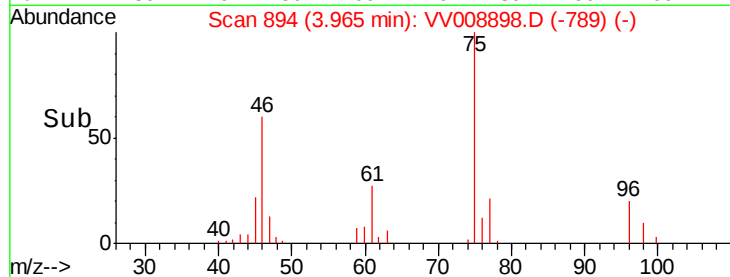
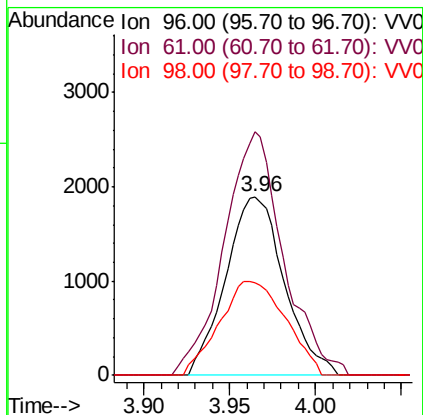
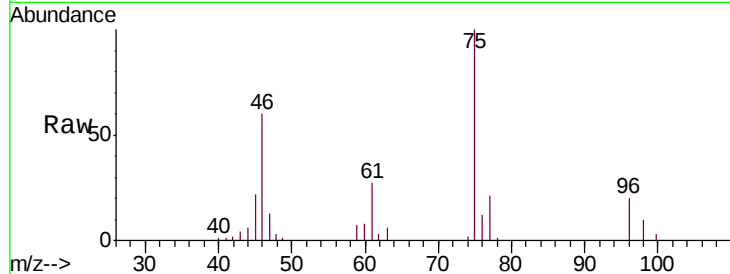


#22

cis-1,2-Dichloroethene
 Concen: 1.390 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

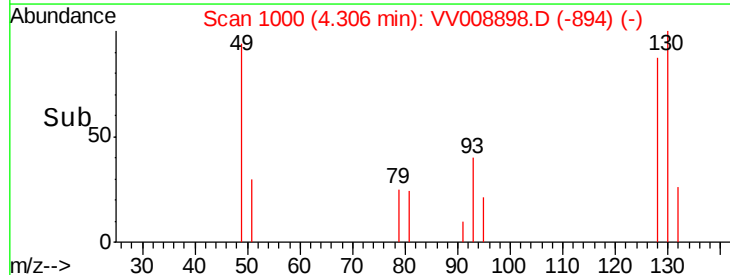
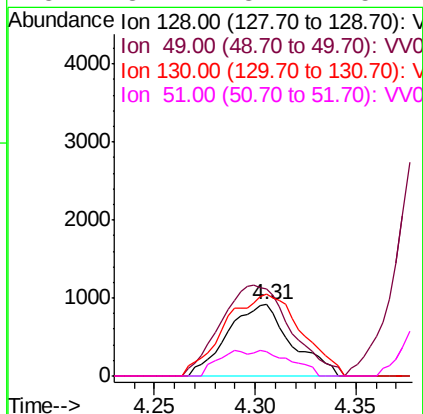
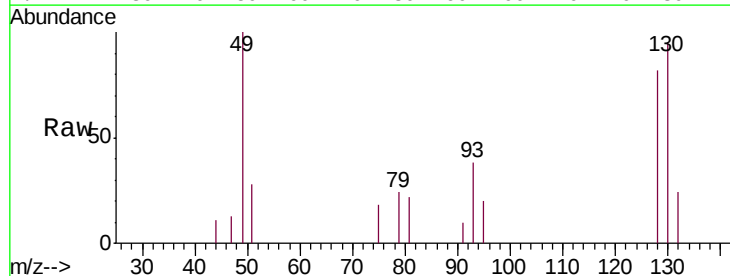
Tgt Ion: 96 Resp: 4503
 Ion Ratio Lower Upper
 96 100
 61 136.5 86.2 160.0
 98 51.6 45.6 84.6

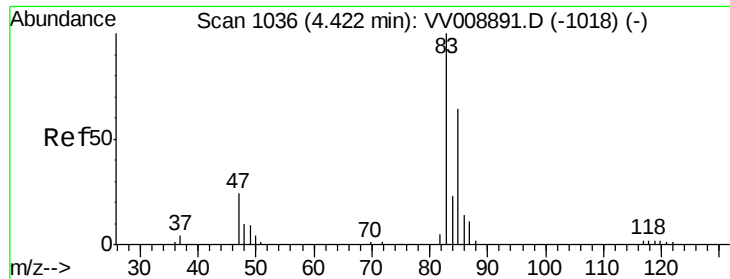


#23

Bromochloromethane
 Concen: 1.323 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion: 128 Resp: 2021
 Ion Ratio Lower Upper
 128 100
 49 121.8 93.8 174.2
 130 115.2 90.4 168.0
 51 34.7 34.2 51.4

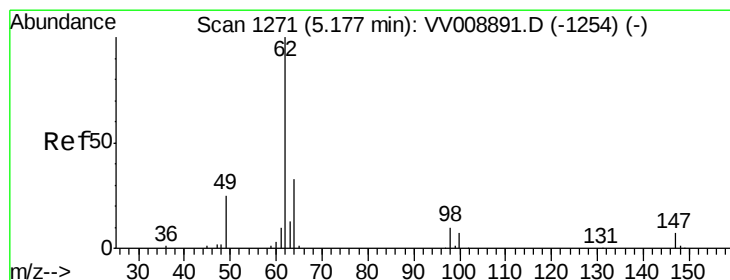
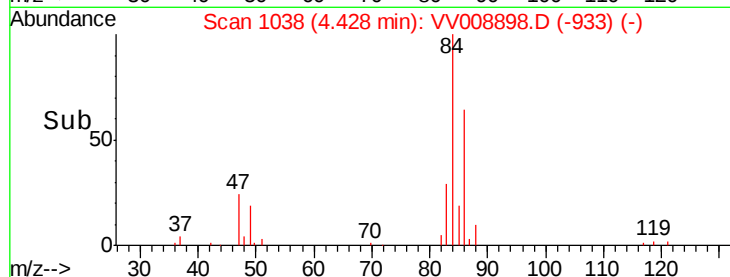
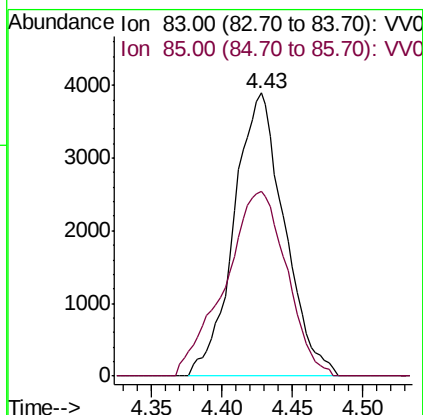
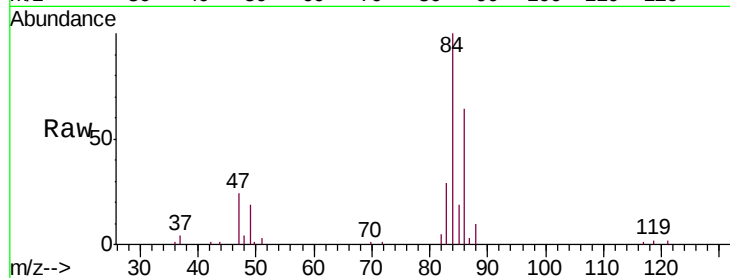




#25
Chloroform
Concen: 1.801 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

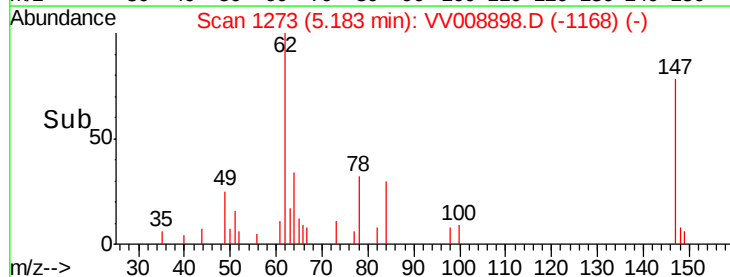
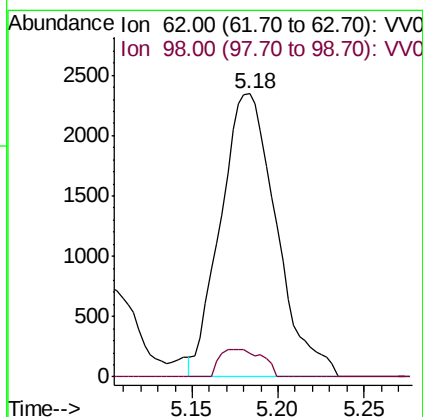
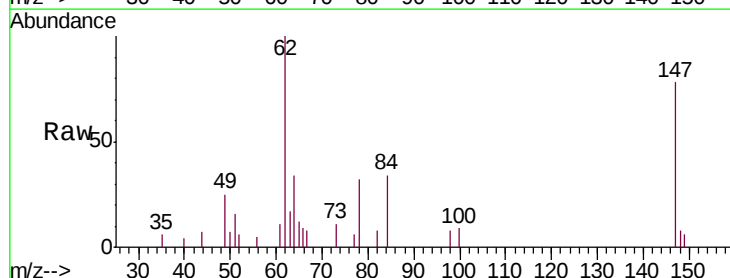
Instrument :
MSVOA_V
ClientSampleId :
MDL06

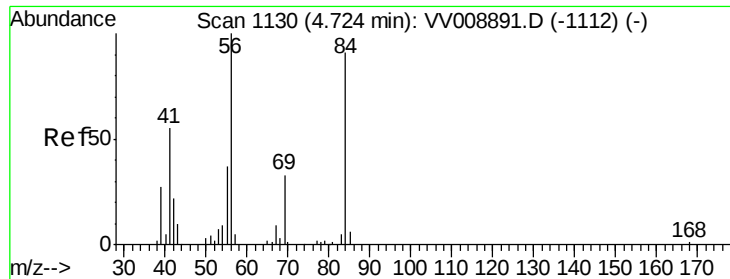
Tgt Ion: 83 Resp: 9736
Ion Ratio Lower Upper
83 100
85 79.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 1.441 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 62 Resp: 5306
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.0

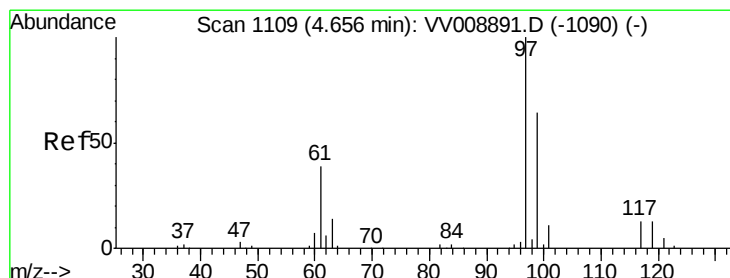
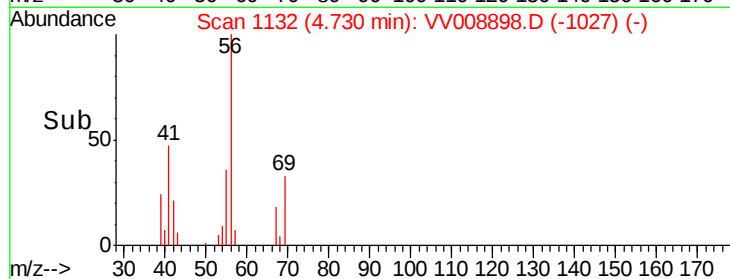
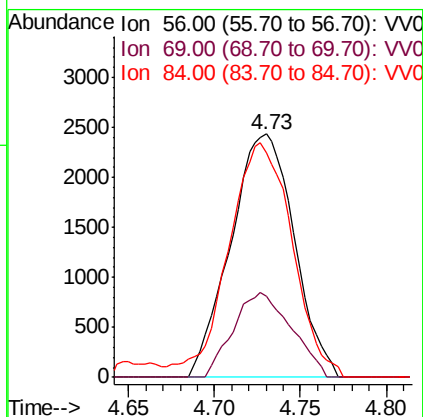
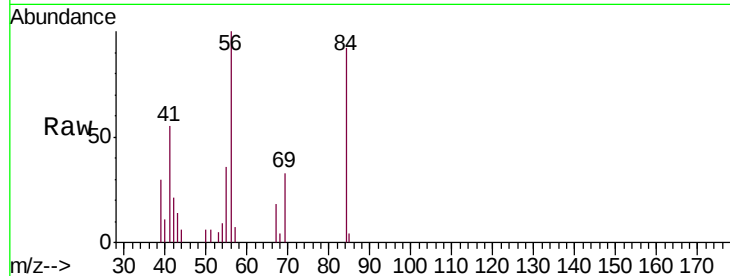




#30
Cyclohexane
Concen: 1.282 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

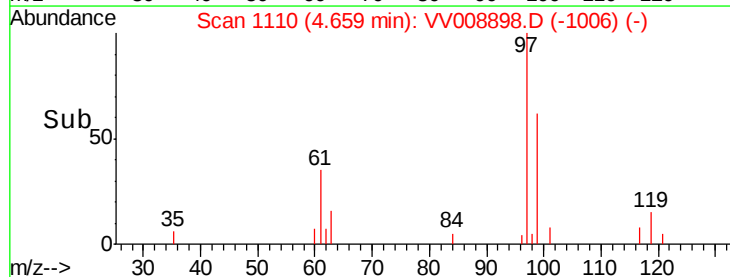
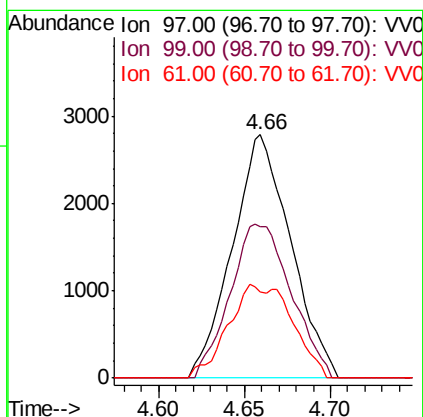
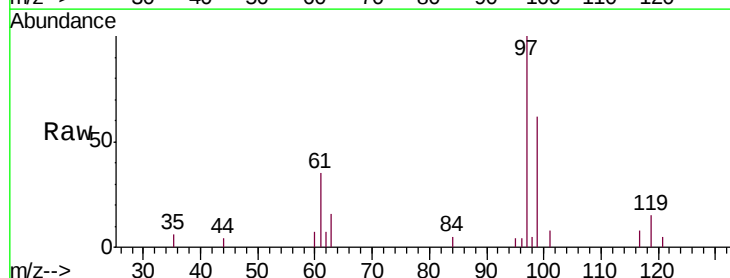
Instrument :
MSVOA_V
ClientSampleId :
MDL06

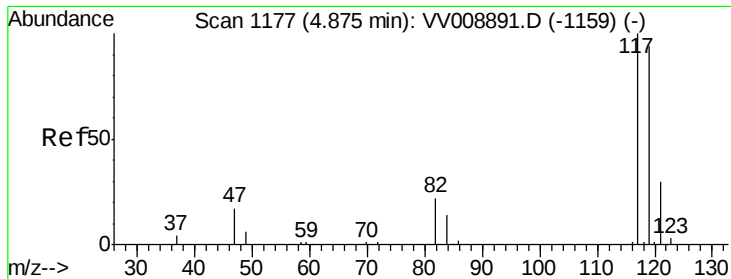
Tgt Ion: 56 Resp: 6258
Ion Ratio Lower Upper
56 100
69 31.7 25.8 38.8
84 97.0 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 1.314 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 97 Resp: 6571
Ion Ratio Lower Upper
97 100
99 66.0 51.9 77.9
61 24.9 33.1 49.7#





#32

Carbon tetrachloride

Concen: 1.320 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

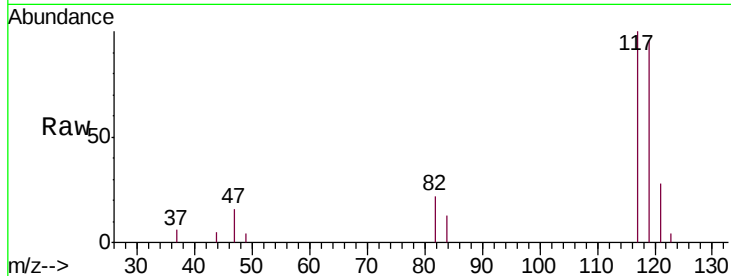
MDL06

Tgt Ion:117 Resp: 6025

Ion Ratio Lower Upper

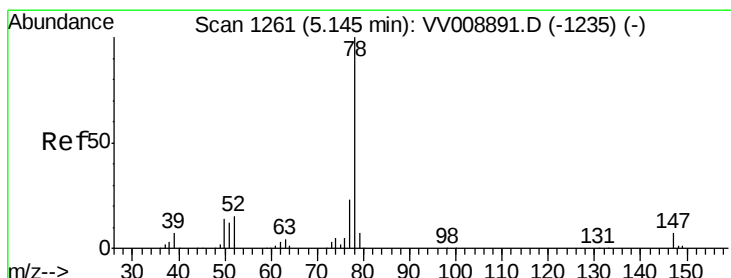
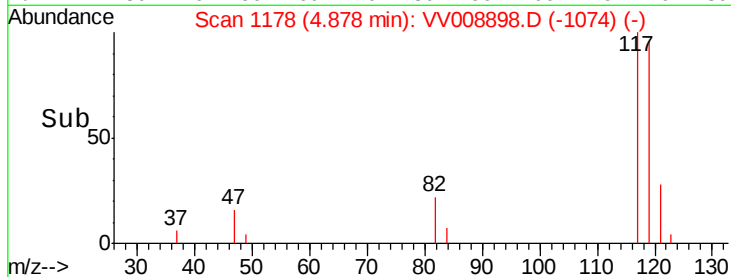
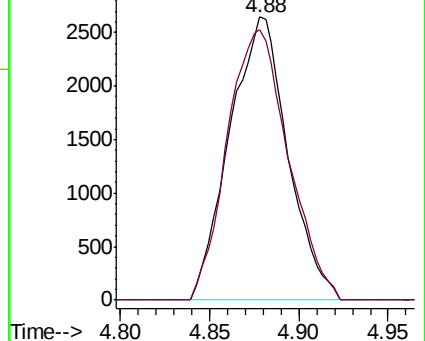
117 100

119 100.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.501 ug/L

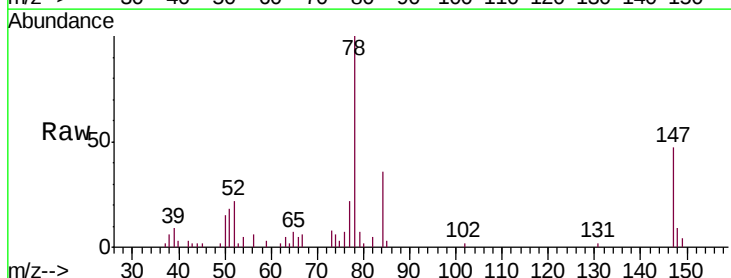
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

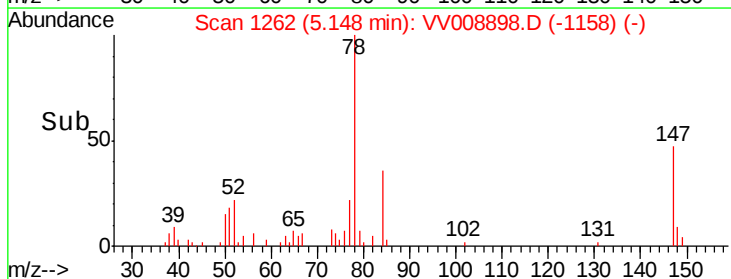
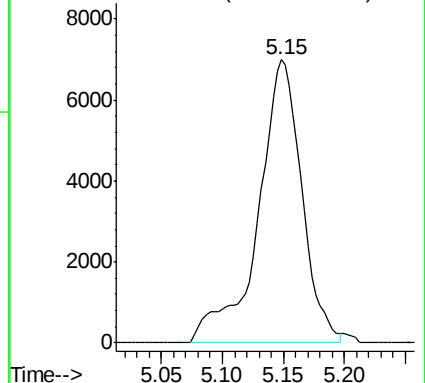
Lab File: VV008898.D

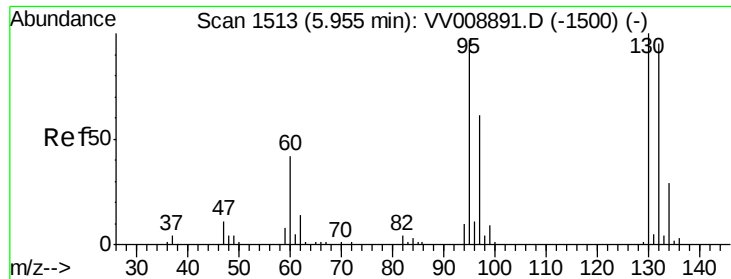
Acq: 11 Dec 2018 14:18

Tgt Ion: 78 Resp: 17434



Abundance Ion 78.00 (77.70 to 78.70): VV0

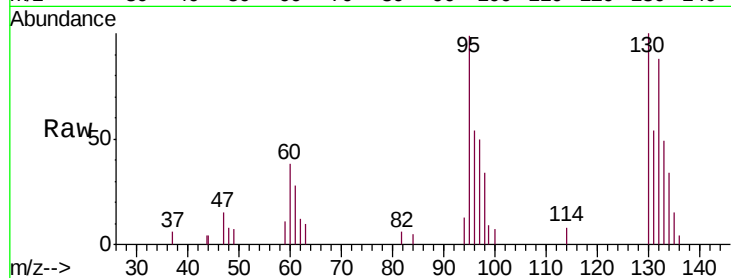




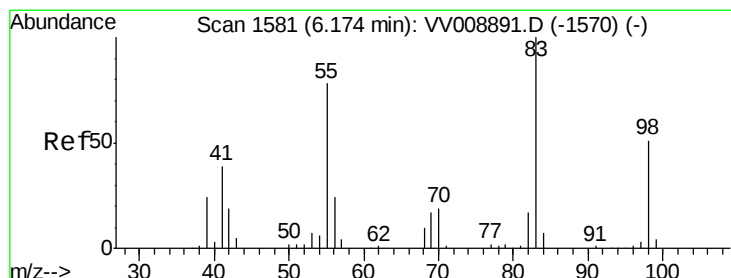
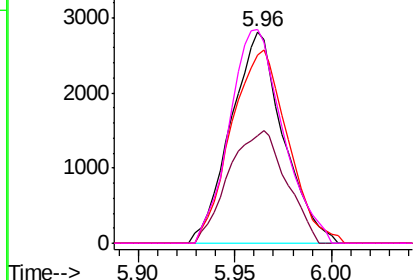
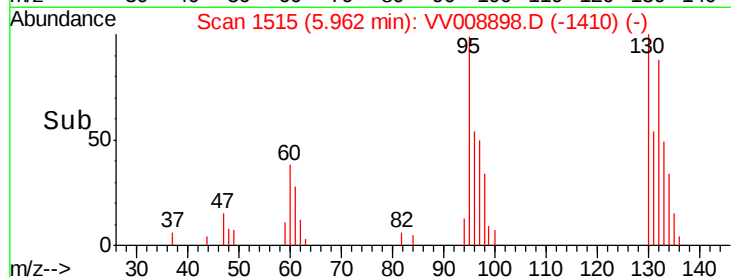
#35
 Trichloroethene
 Concen: 1.518 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion: 95 Resp: 5317
 Ion Ratio Lower Upper
 95 100
 97 58.0 45.3 84.1
 132 97.9 70.0 130.0
 130 102.8 73.4 136.4

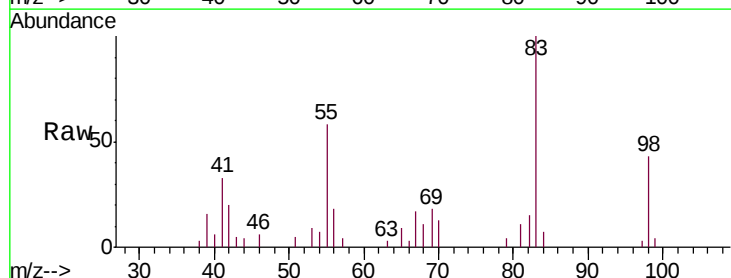


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

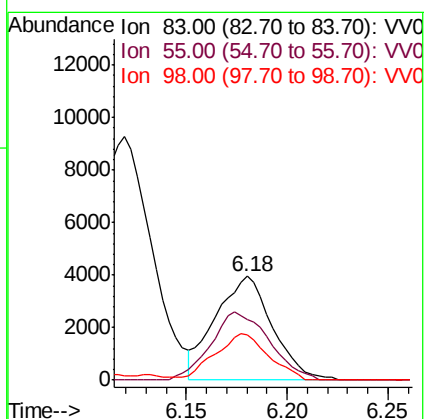
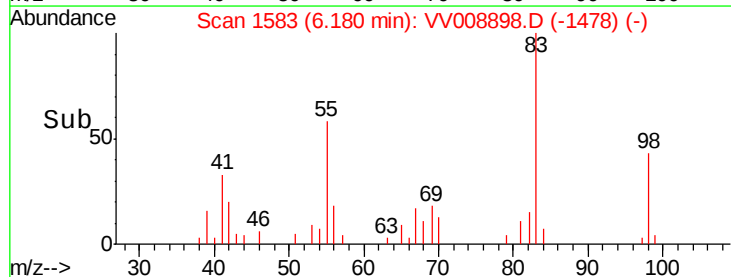


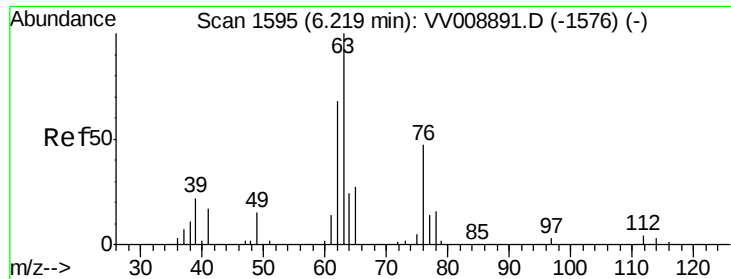
#36
 Methylcyclohexane
 Concen: 1.393 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion: 83 Resp: 7782
 Ion Ratio Lower Upper
 83 100
 55 67.2 58.2 87.2
 98 41.6 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

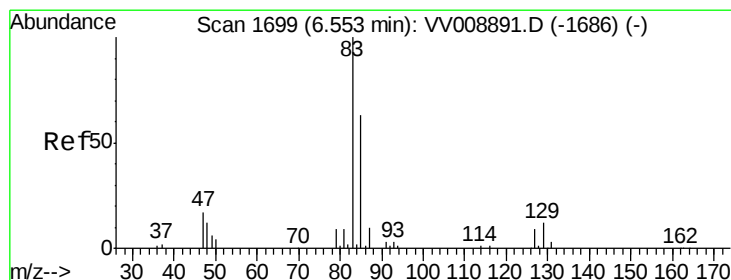
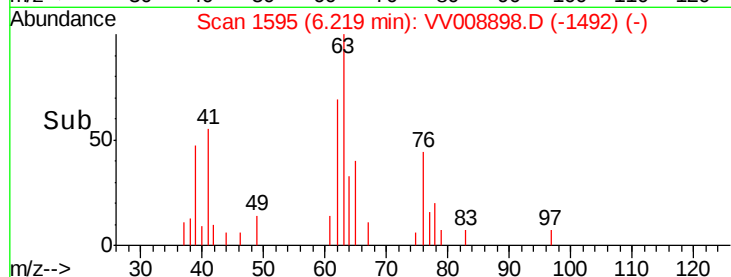
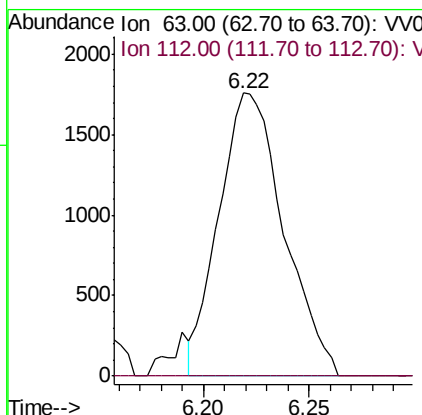
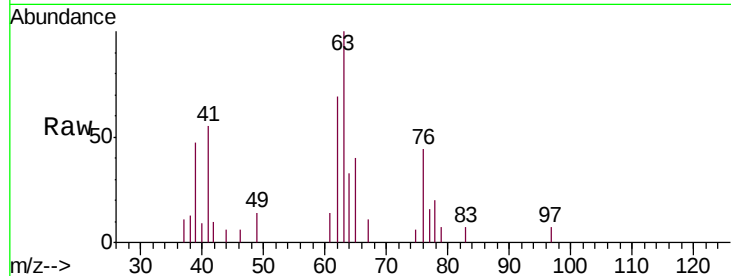




#40
 1,2-Dichloropropane
 Concen: 1.346 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

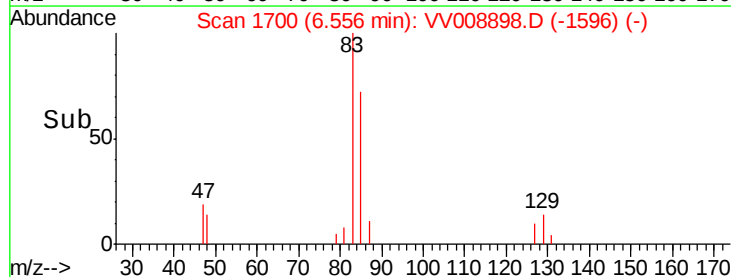
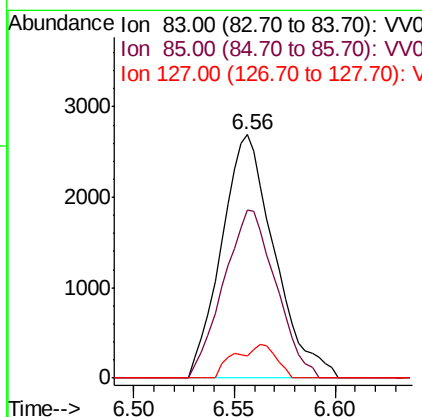
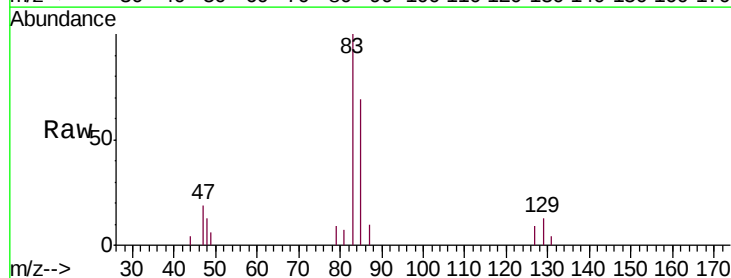
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

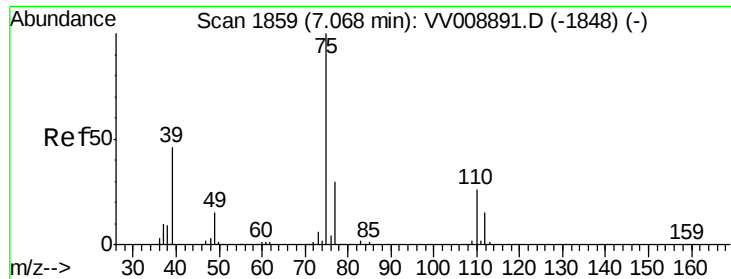
Tgt Ion: 63 Resp: 3752
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#41
 Bromodichloromethane
 Concen: 1.337 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion: 83 Resp: 4915
 Ion Ratio Lower Upper
 83 100
 85 69.1 45.3 84.1
 127 9.4 7.2 10.8



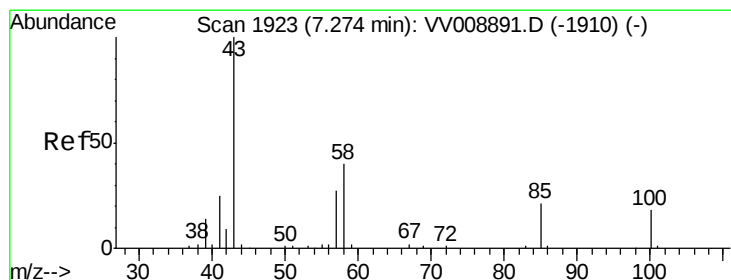
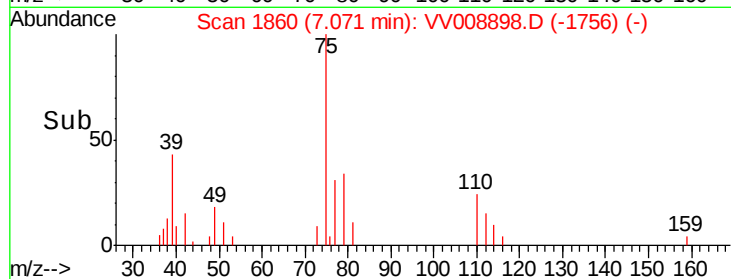
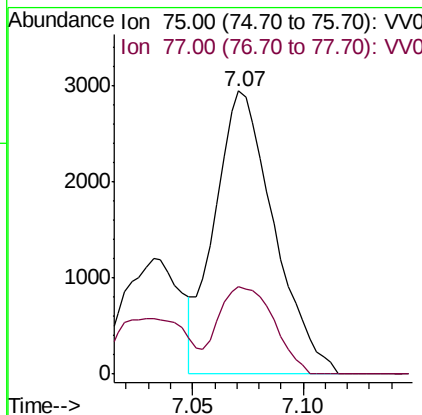
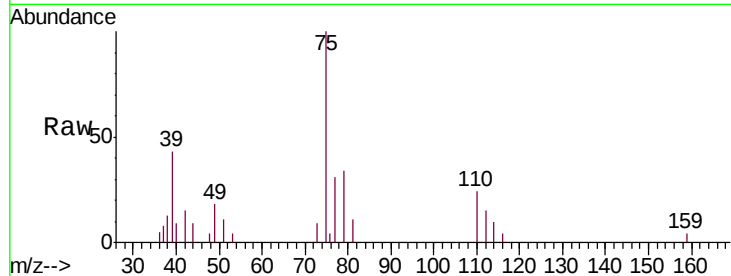


#42

cis-1,3-Dichloropropene
Concen: 1.342 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

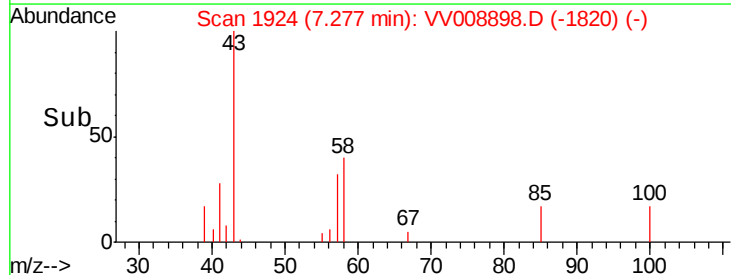
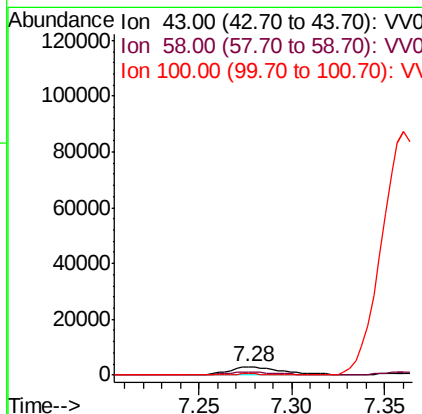
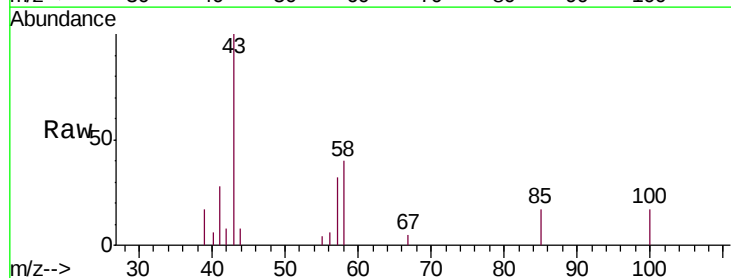
Tgt Ion: 75 Resp: 5477
Ion Ratio Lower Upper
75 100
77 30.8 21.3 39.6

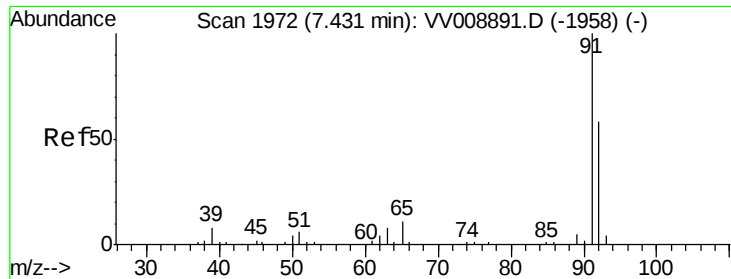


#43

4-Methyl-2-pentanone
Concen: 3.224 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 43 Resp: 6077
Ion Ratio Lower Upper
43 100
58 39.7 32.2 48.4
100 12.3 13.8 20.8#





#44

Toluene

Concen: 1.422 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

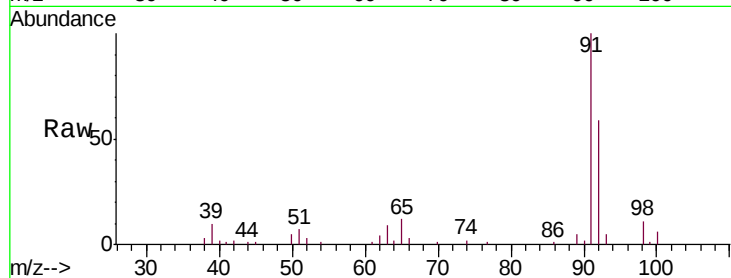
MDL06

Tgt Ion: 91 Resp: 17321

Ion Ratio Lower Upper

91 100

92 59.5 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008898.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008898.D (-1958) (-)

7.43

10000

8000

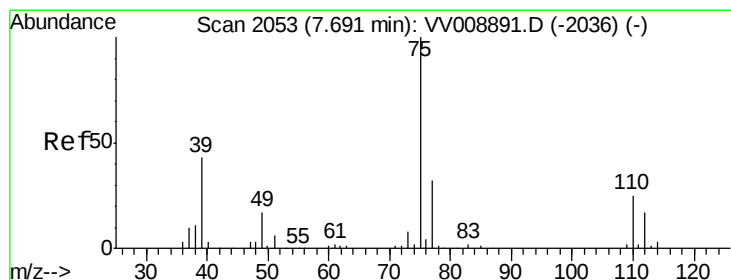
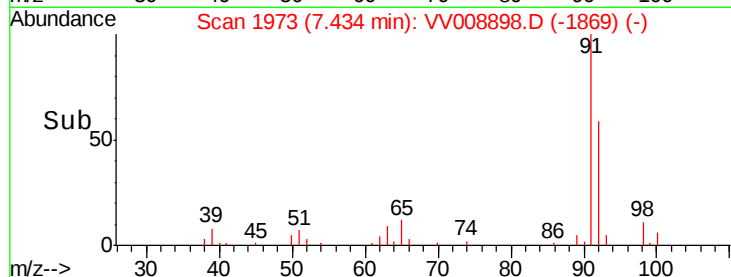
6000

4000

2000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 1.336 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008898.D

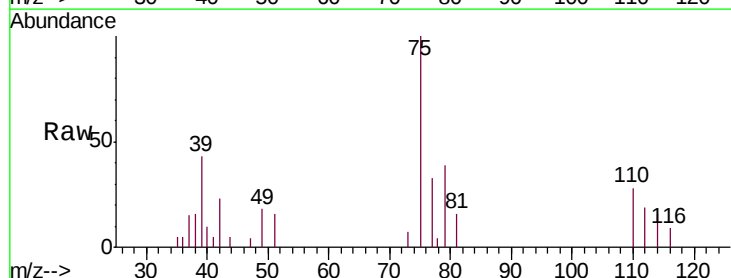
Acq: 11 Dec 2018 14:18

Tgt Ion: 75 Resp: 4754

Ion Ratio Lower Upper

75 100

77 33.4 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008898.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV008898.D (-1950) (-)

7.69

3000

2500

2000

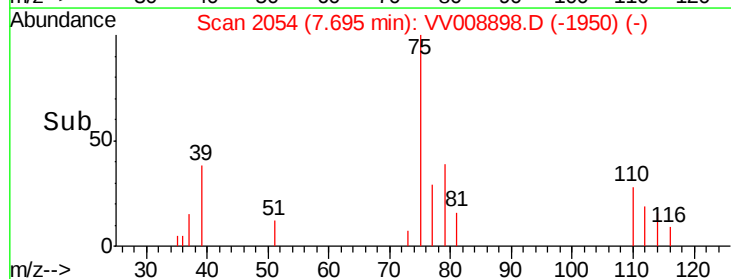
1500

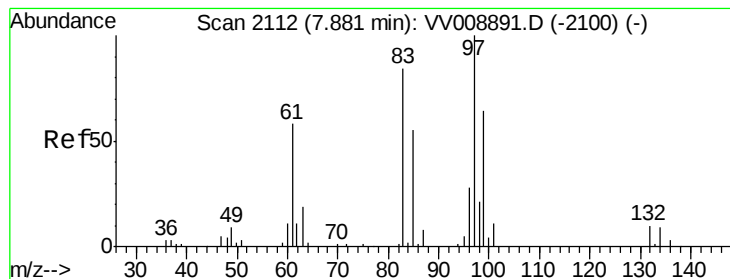
1000

500

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 1.428 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 97 Resp: 3317

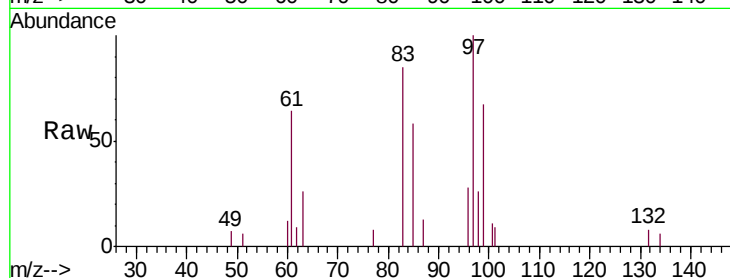
Ion Ratio Lower Upper

97 100

83 84.8 56.6 105.2

85 57.7 36.6 68.0

99 67.4 43.2 80.2



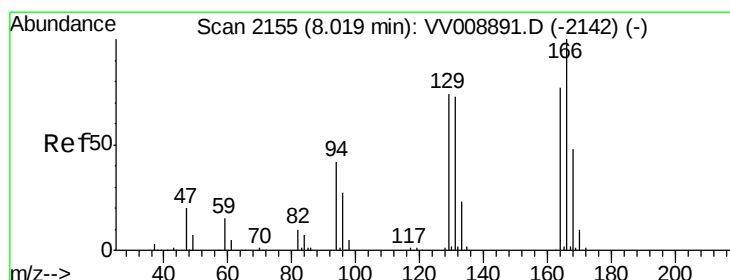
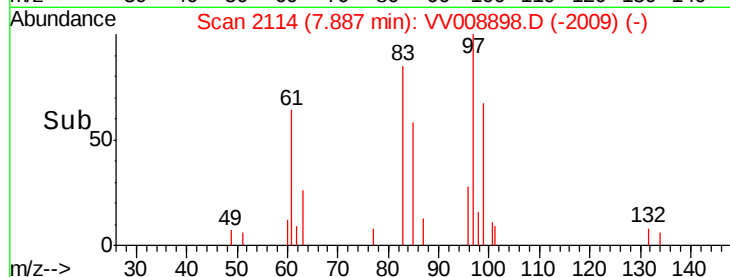
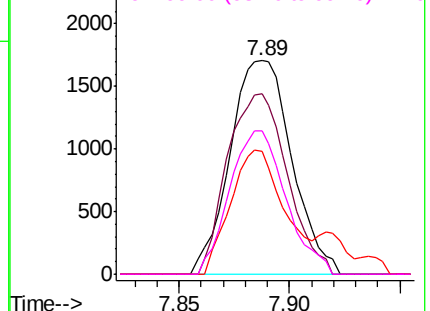
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 1.313 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion: 164 Resp: 3741

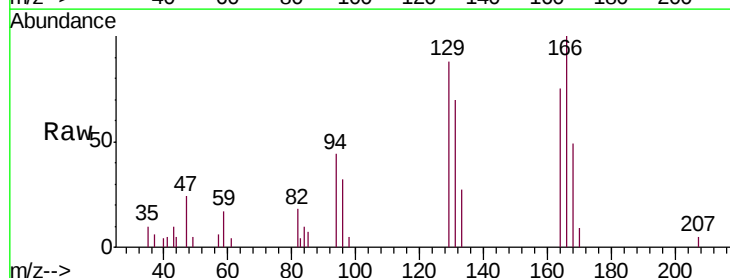
Ion Ratio Lower Upper

164 100

129 117.8 64.6 120.0

131 93.6 64.5 119.7

166 134.0 88.7 164.7



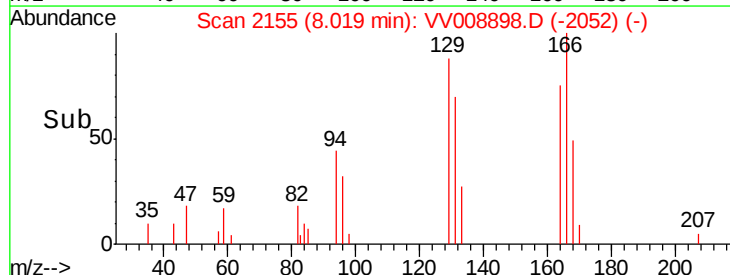
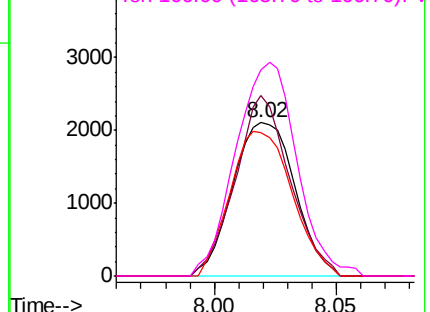
Abundance

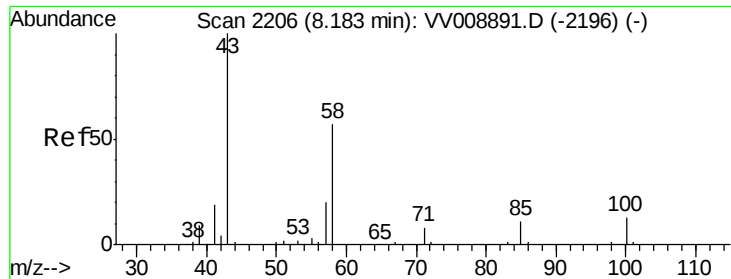
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

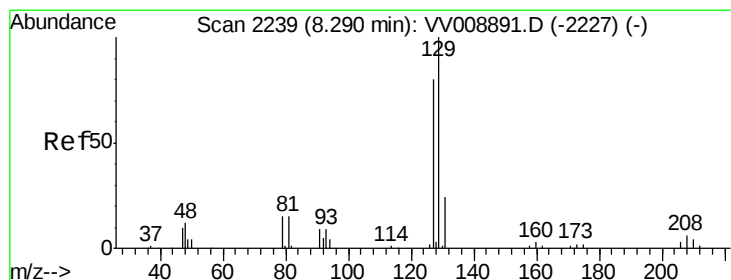
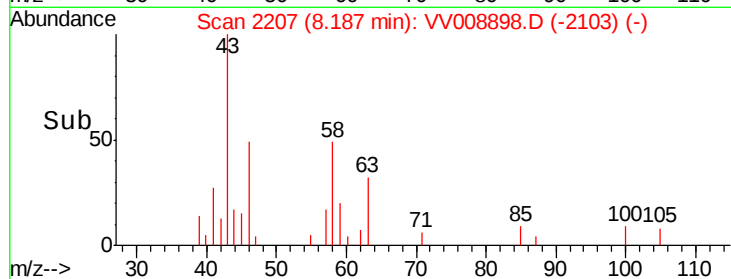
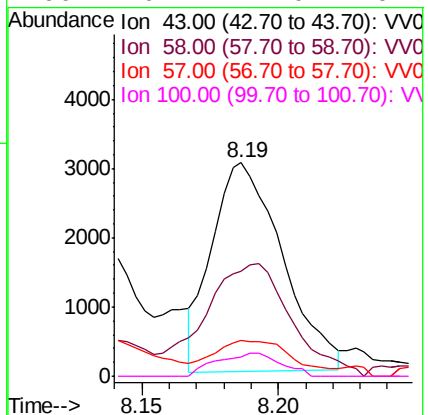
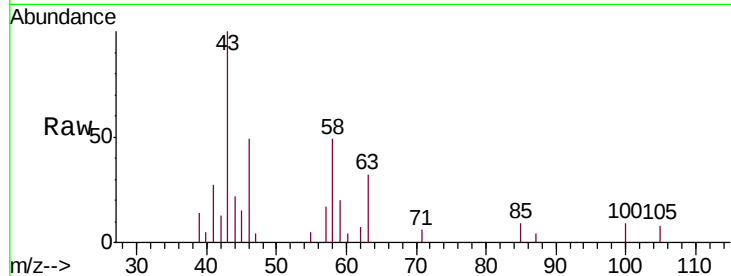




#49
2-Hexanone
Concen: 3.493 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

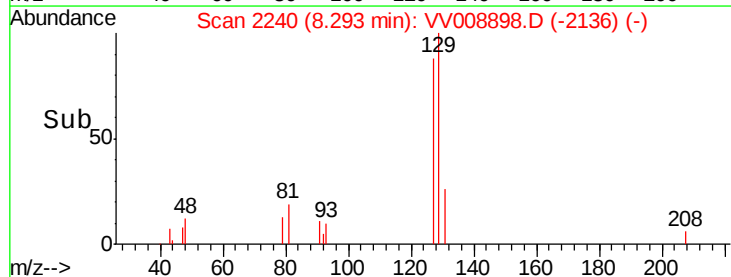
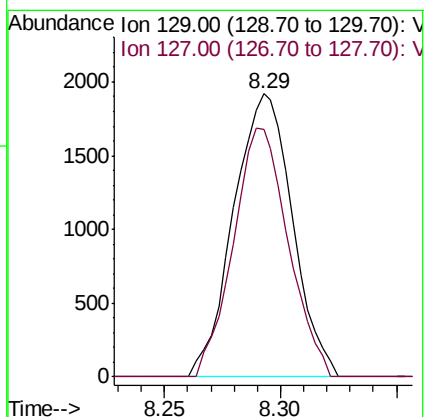
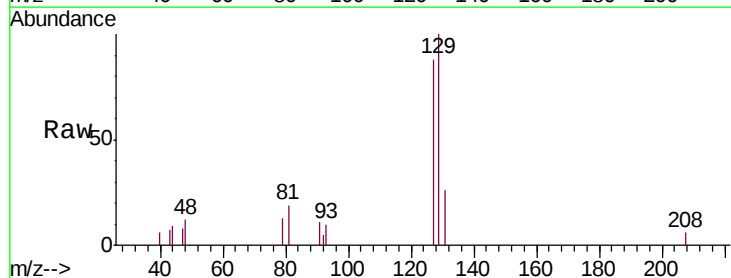
Instrument :
MSVOA_V
ClientSampleId :
MDL06

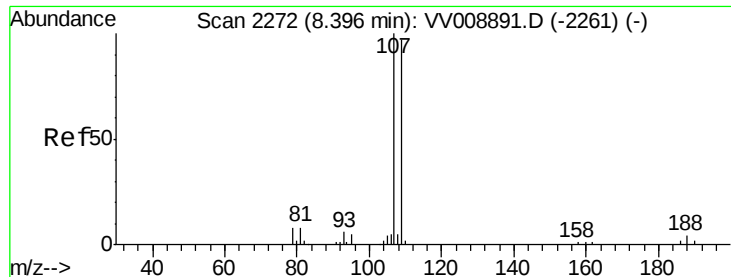
Tgt Ion: 43 Resp: 5446
Ion Ratio Lower Upper
43 100
58 66.0 43.9 65.9#
57 19.4 15.7 23.5
100 10.1 11.0 16.4#



#50
Dibromochloromethane
Concen: 1.270 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 129 Resp: 3382
Ion Ratio Lower Upper
129 100
127 87.6 53.5 99.3





#51

1,2-Dibromoethane

Concen: 1.350 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

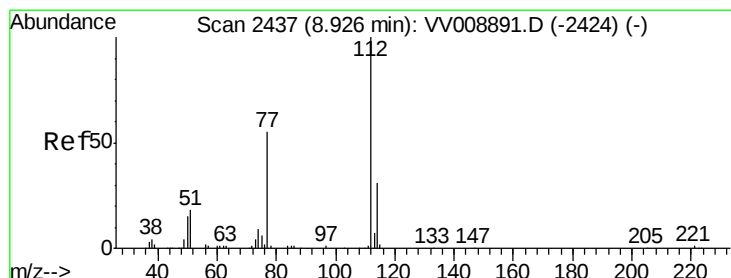
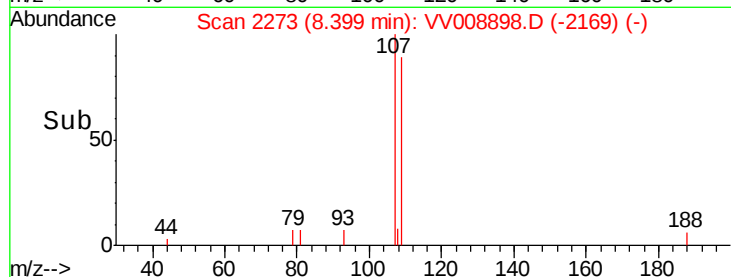
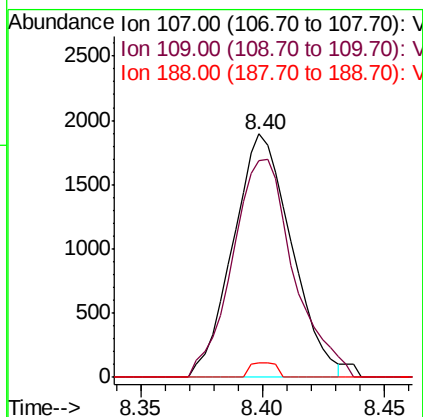
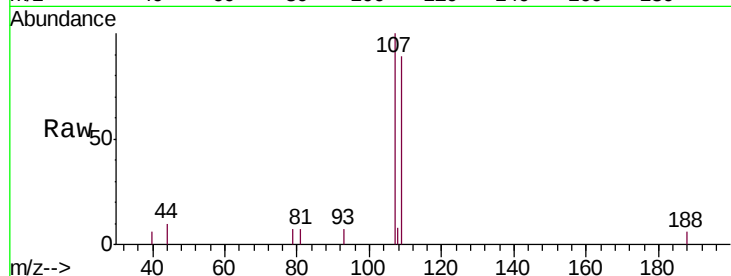
Tgt Ion:107 Resp: 3149

Ion Ratio Lower Upper

107 100

109 89.2 65.8 122.2

188 5.9 3.0 4.6#



#52

Chlorobenzene

Concen: 1.383 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

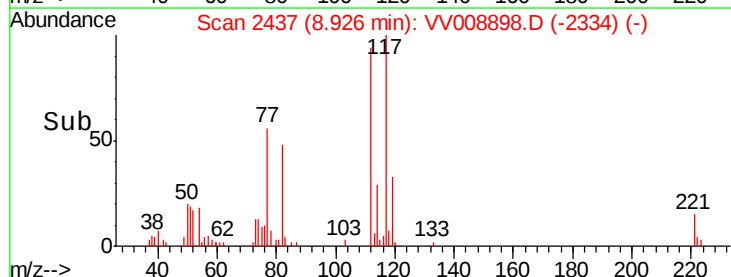
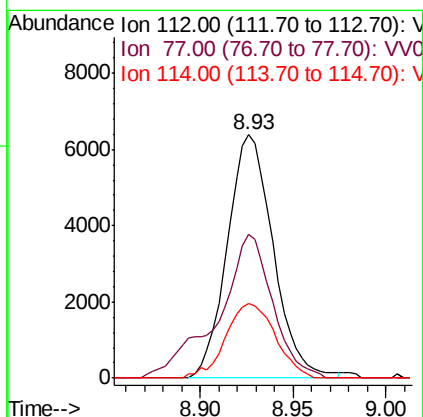
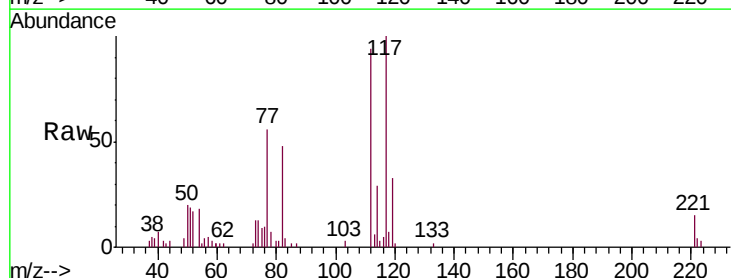
Tgt Ion:112 Resp: 10974

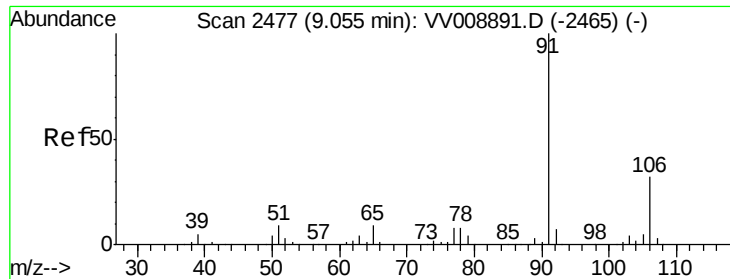
Ion Ratio Lower Upper

112 100

77 59.0 44.6 66.8

114 30.5 22.6 42.0





#53

Ethylbenzene

Concen: 1.269 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

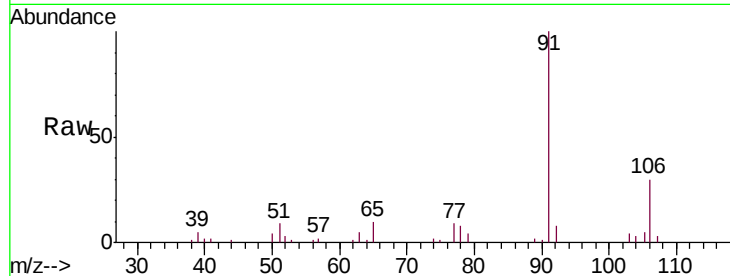
MDL06

Tgt Ion: 91 Resp: 16773

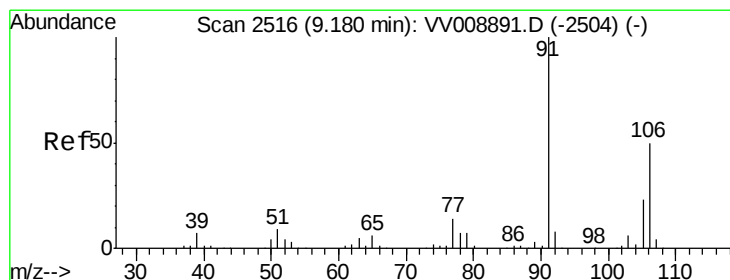
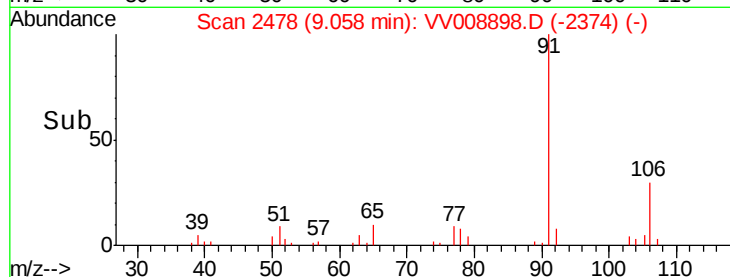
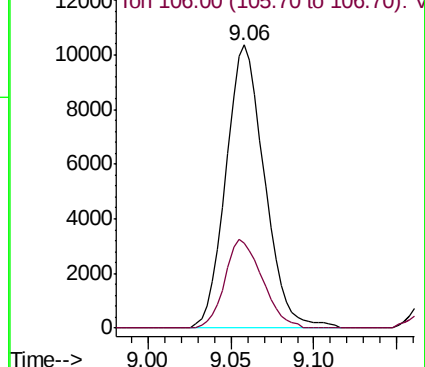
Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008898.D (-2474) (-)



#54

m,p-Xylene

Concen: 1.233 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008898.D

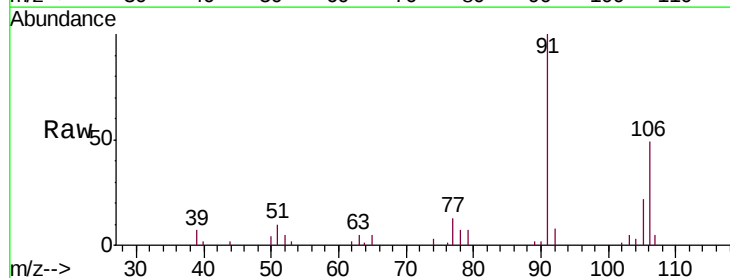
Acq: 11 Dec 2018 14:18

Tgt Ion: 106 Resp: 6169

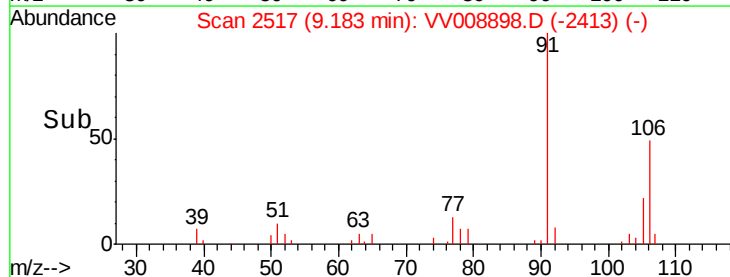
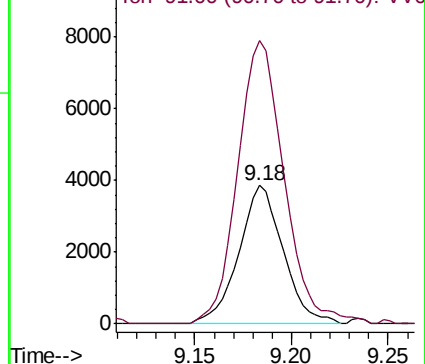
Ion Ratio Lower Upper

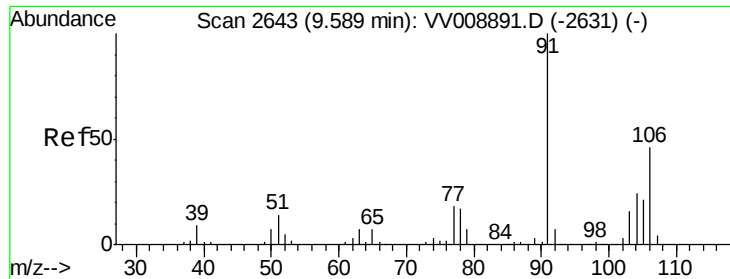
106 100

91 204.9 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008898.D (-2413) (-)

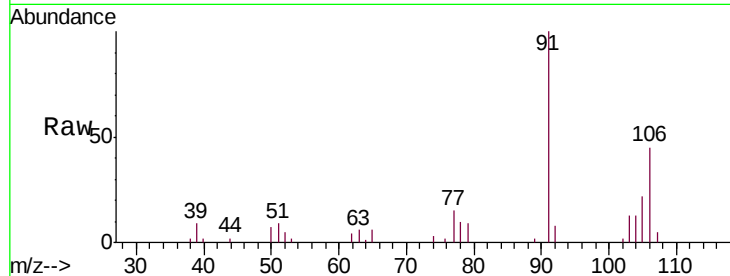




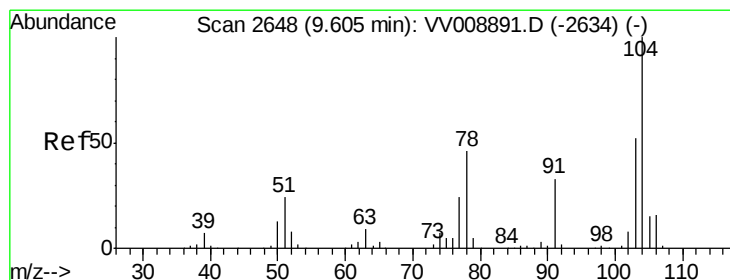
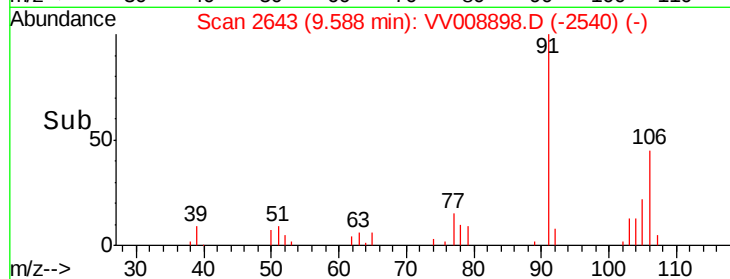
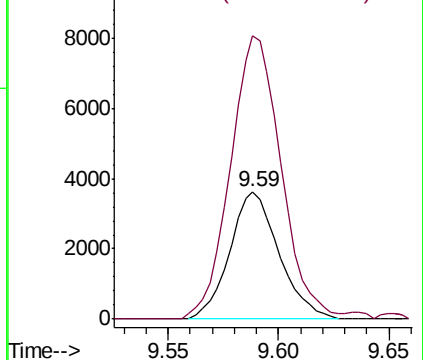
#55
o-xylene
Concen: 1.215 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:106 Resp: 5652
Ion Ratio Lower Upper
106 100
91 221.5 148.3 275.5

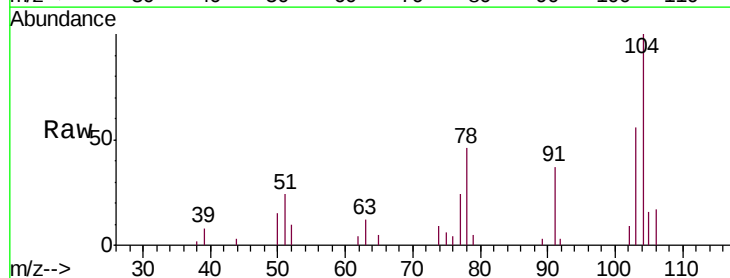


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

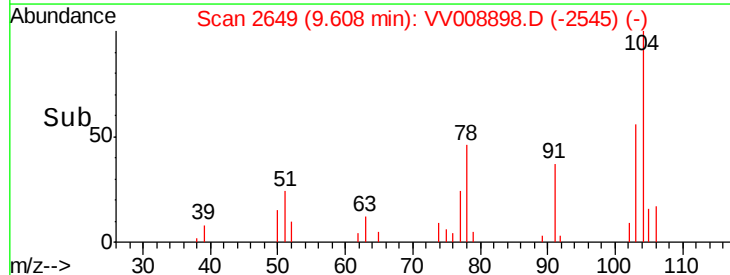
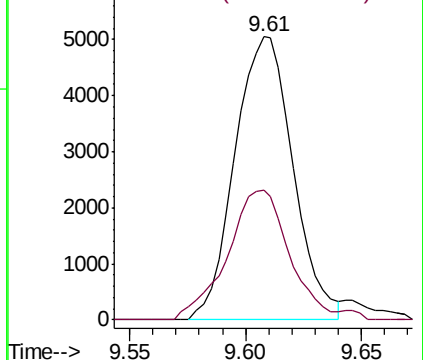


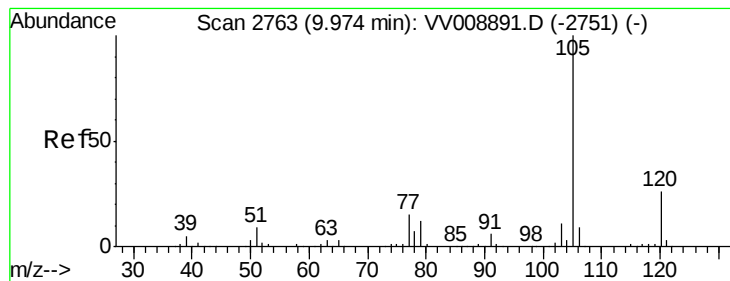
#56
Styrene
Concen: 1.172 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion:104 Resp: 8790
Ion Ratio Lower Upper
104 100
78 45.8 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: 1.150 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

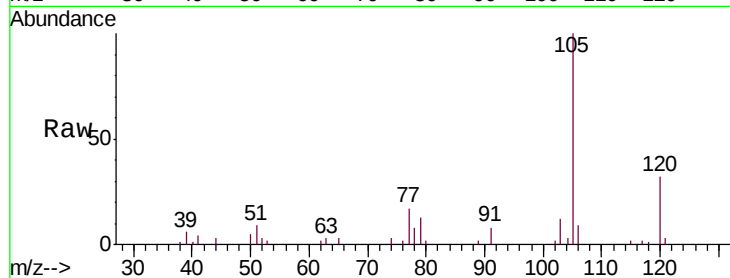
Tgt Ion: 105 Resp: 14534

Ion Ratio Lower Upper

105 100

120 30.0 21.7 32.5

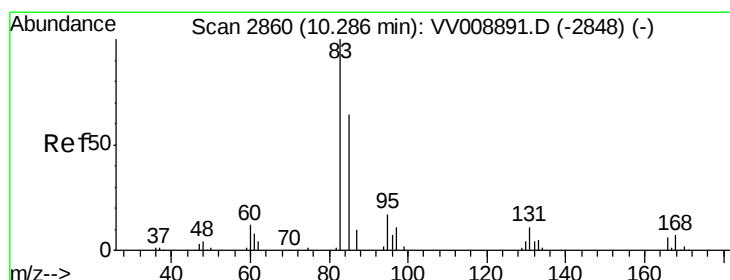
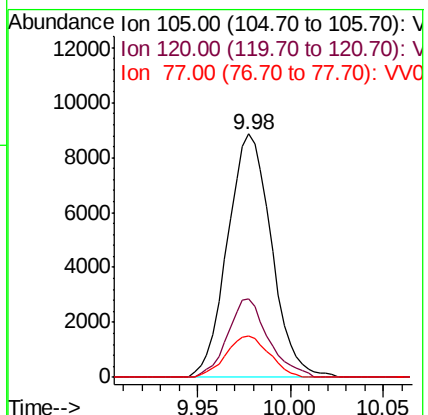
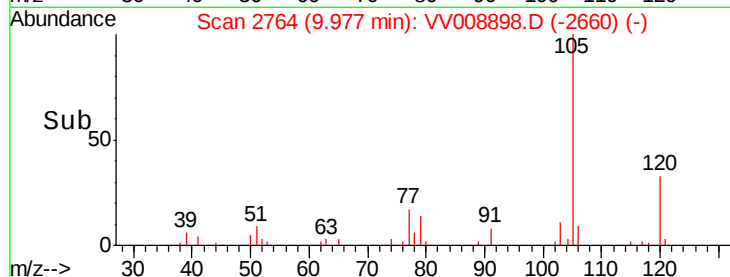
77 16.7 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VV008898.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV008898.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV008898.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 1.512 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

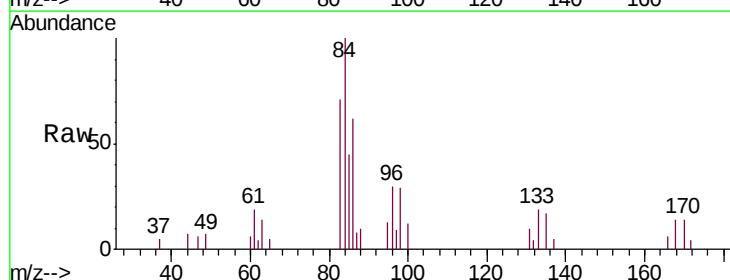
Tgt Ion: 83 Resp: 3799

Ion Ratio Lower Upper

83 100

85 62.7 44.3 82.3

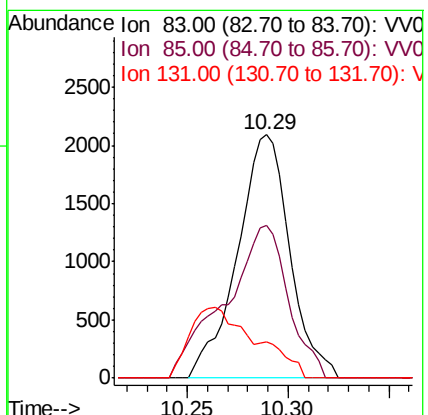
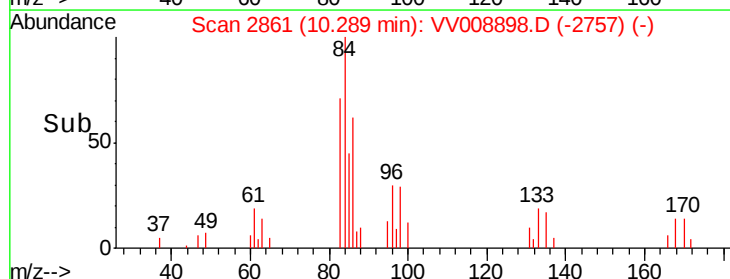
131 14.6 7.8 11.8#

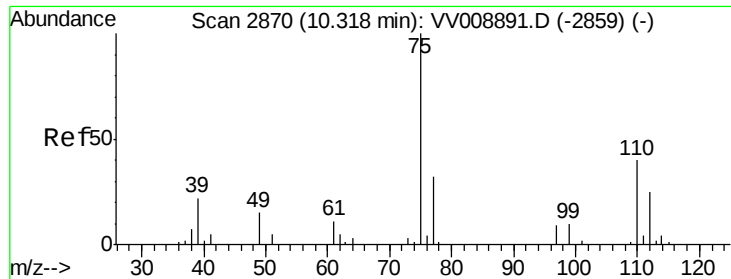


Abundance Ion 83.00 (82.70 to 83.70): VV008898.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV008898.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV008898.D (-2757) (-)

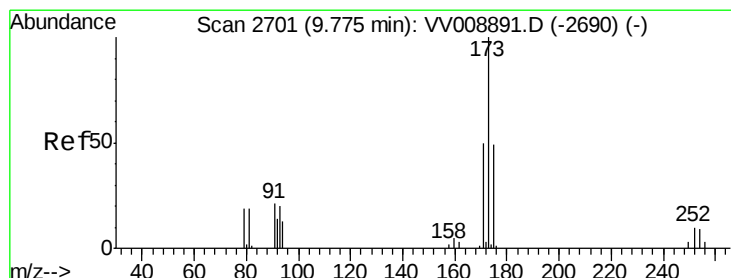
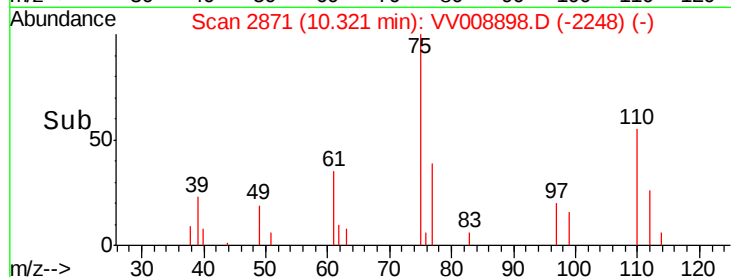
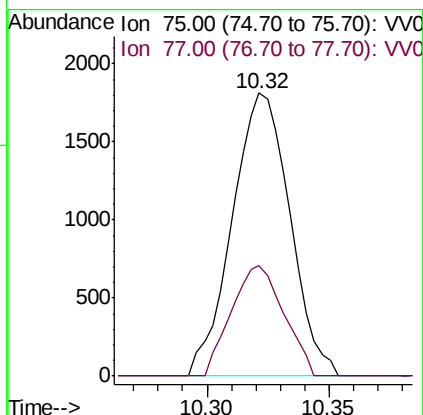
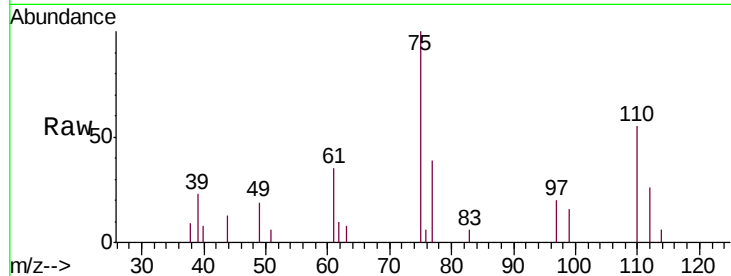




#59
1,2,3-Trichloropropane
Concen: 1.368 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

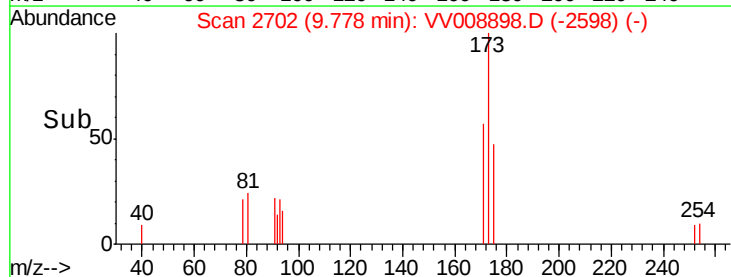
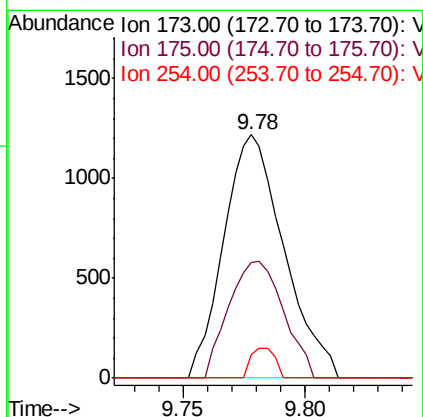
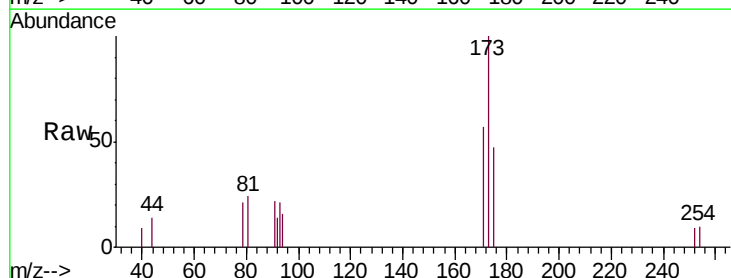
Instrument :
MSVOA_V
ClientSampleId :
MDL06

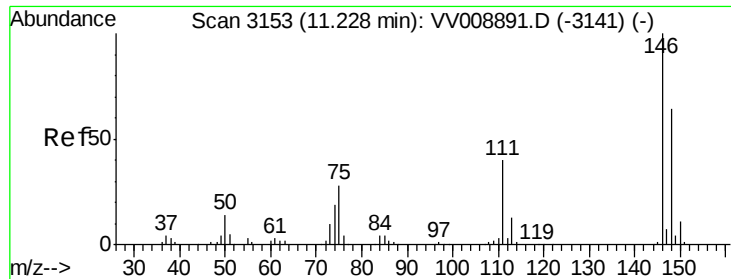
Tgt Ion: 75 Resp: 2974
Ion Ratio Lower Upper
75 100
77 35.5 25.6 38.4



#62
Bromoform
Concen: 1.395 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 173 Resp: 2090
Ion Ratio Lower Upper
173 100
175 43.6 37.7 56.5
254 4.8 7.1 10.7#

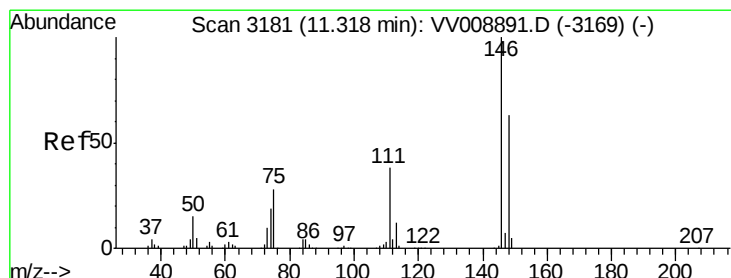
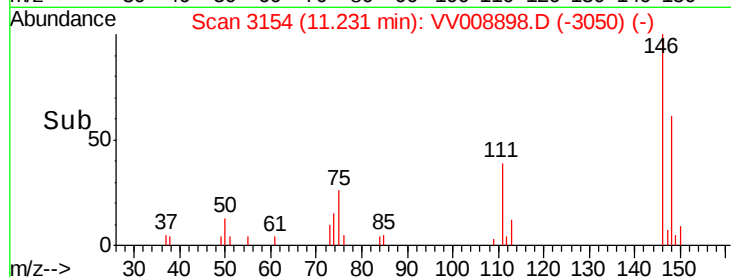
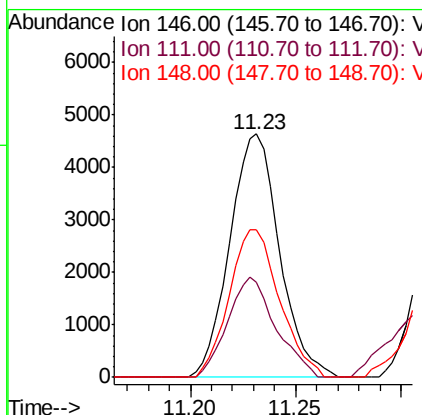
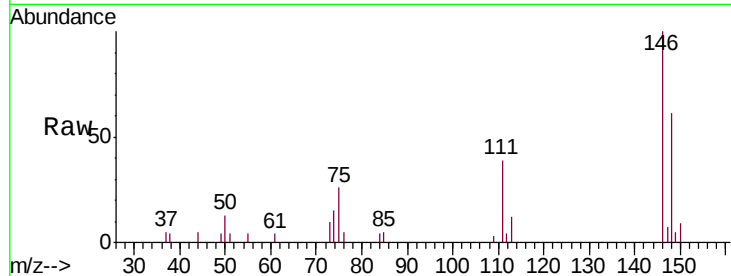




#63
 1,3-Dichlorobenzene
 Concen: 1.421 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

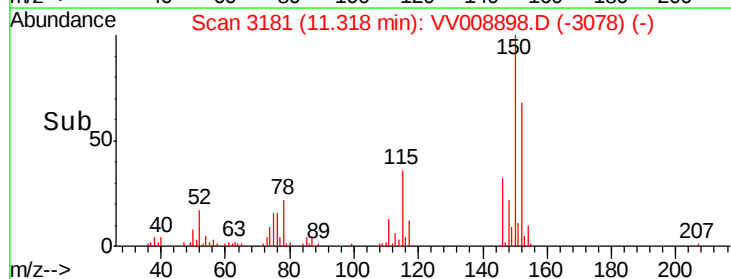
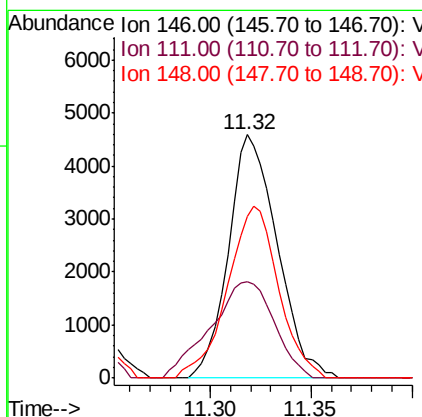
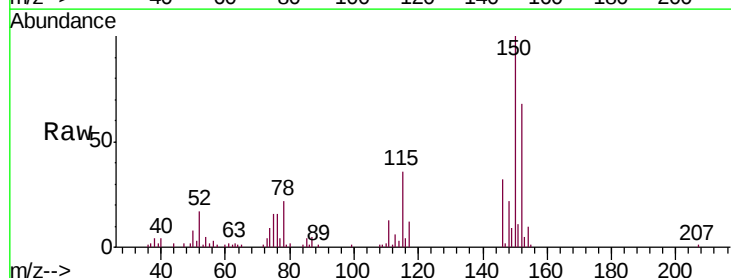
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

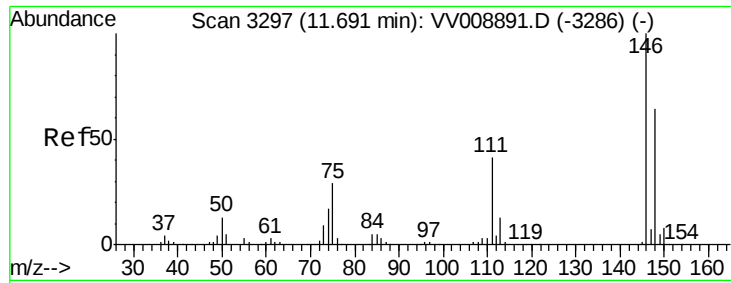
Tgt Ion:146 Resp: 7598
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.5 51.1
 148 60.8 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 1.411 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion:146 Resp: 7763
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.8 49.8
 148 66.6 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 1.490 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

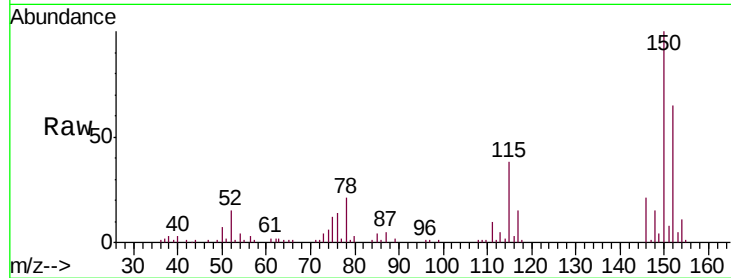
Tgt Ion:146 Resp: 7342

Ion Ratio Lower Upper

146 100

111 47.2 34.2 51.4

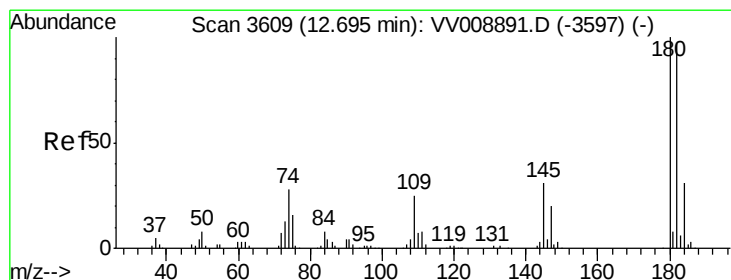
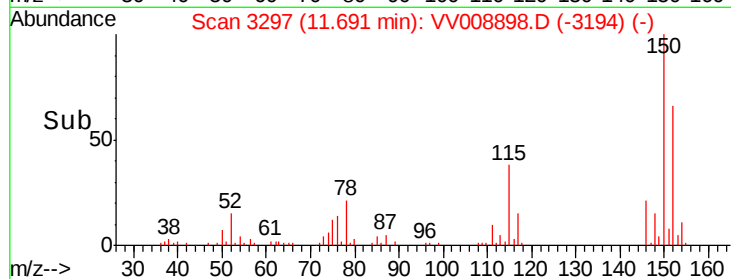
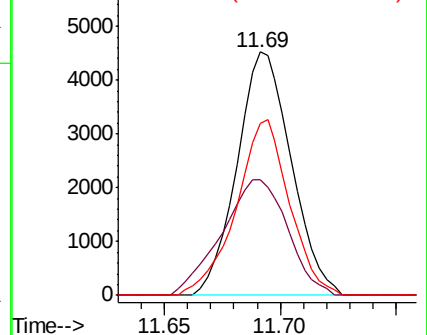
148 70.8 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 1.269 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion:180 Resp: 4901

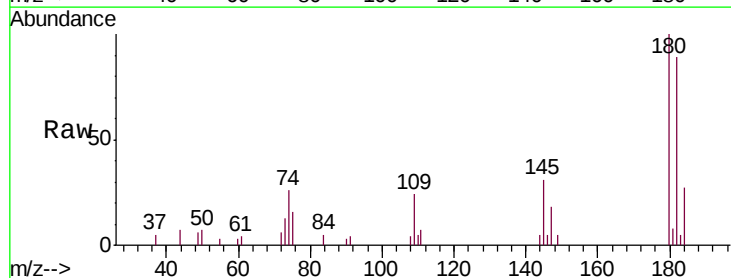
Ion Ratio Lower Upper

180 100

182 92.0 75.9 113.9

184 27.9 23.8 35.6

145 31.2 24.2 36.4

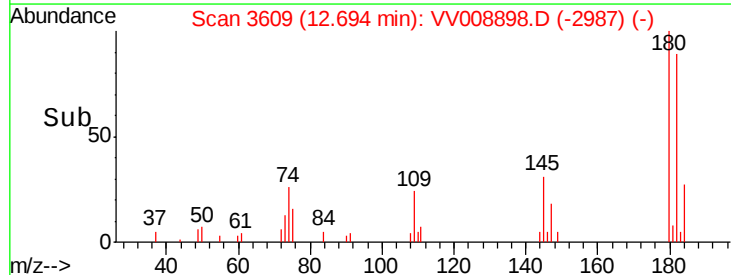
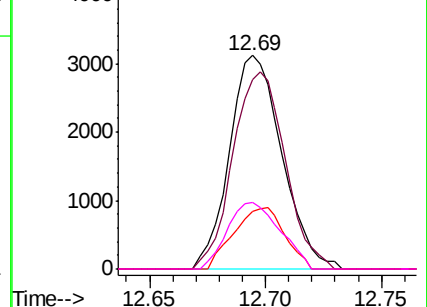


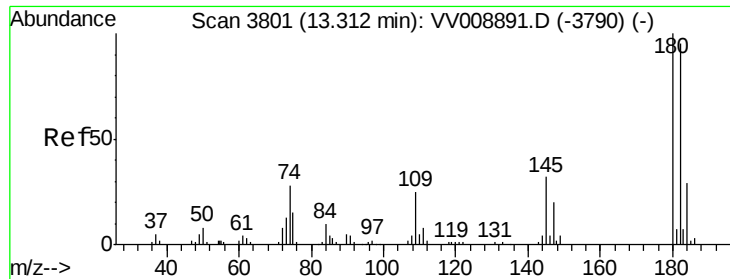
Abundance Ion 180.00 (179.70 to 180.70): V

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

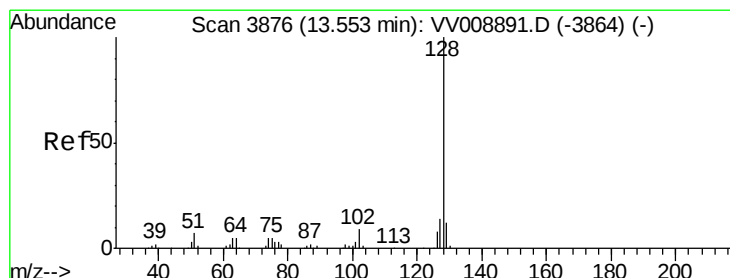
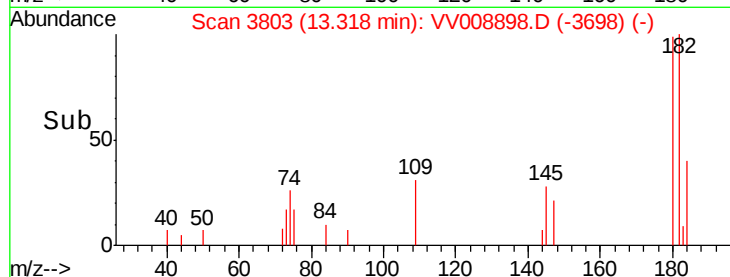
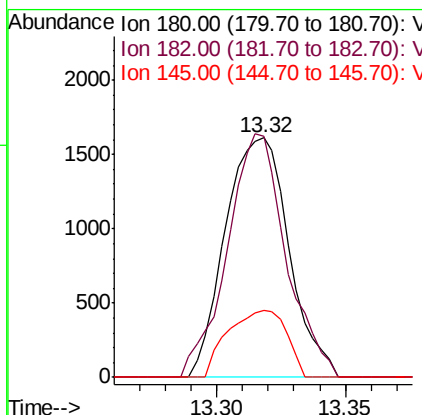
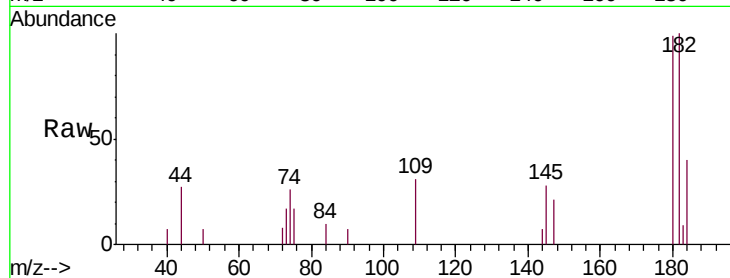




#68
 1,2,4-trichlorobenzene
 Concen: 1.024 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

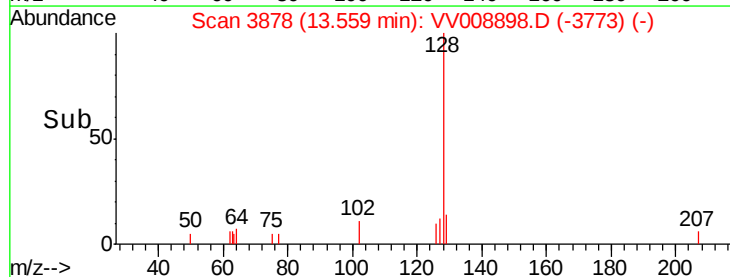
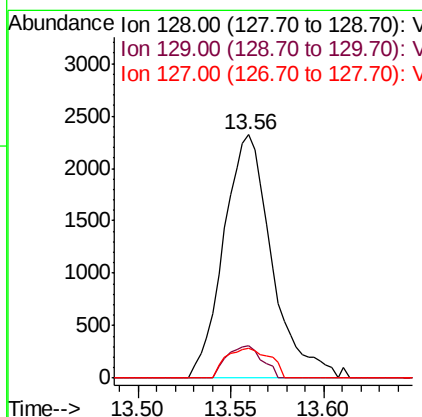
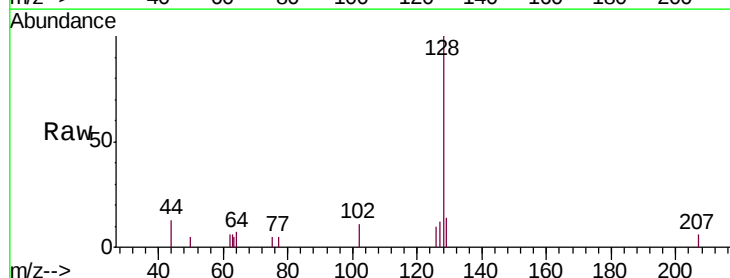
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

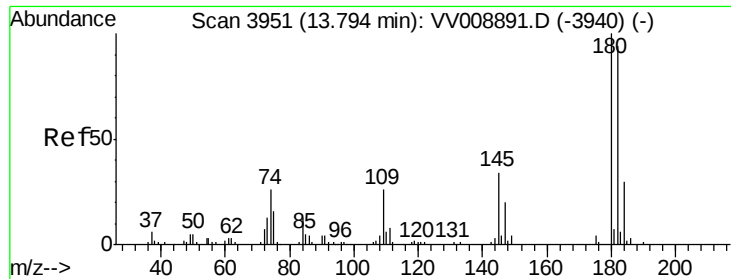
Tgt Ion:180 Resp: 2771
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.4 116.0
 145 25.8 25.6 38.4



#69
 Naphthalene
 Concen: 0.895 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion:128 Resp: 4169
 Ion Ratio Lower Upper
 128 100
 129 9.7 8.6 13.0
 127 11.2 10.0 15.0





#70
 1,2,3-Trichlorobenzene
 Concen: 1.010 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 2524
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.1 114.1
 145 34.2 26.7 40.1

