

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008402.D
 Acq On : 24 Oct 2018 19:24
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 25 09:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:16:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	192059	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	174526	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73380	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44895	42.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.44%
7) Chloroethane-d5	1.57	69	36722	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.66%
11) 1,1-Dichloroethene-d2	2.13	63	63974	33.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.62%
21) 2-Butanone-d5	3.94	46	115096	99.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.59%
24) Chloroform-d	4.41	84	120238	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	5.09	65	83800	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.10	84	238137	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.12	67	83621	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.88%
41) Toluene-d8	7.36	98	213908	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	7.67	79	39676	47.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.62%
47) 2-Hexanone-d5	8.14	63	90977	100.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.93%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113090	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.68	152	72269	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3156	2.301 ug/L	96
3) Chloromethane	1.25	50	3462	2.357 ug/L	99
5) Vinyl chloride	1.33	62	3260	2.395 ug/L #	68
6) Bromomethane	1.52	94	1015	2.718 ug/L	85
8) Chloroethane	1.59	64	1679	2.348 ug/L	90
9) Trichlorofluoromethane	1.77	101	4037	2.304 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2597	2.837 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	2449	2.842 ug/L #	1
13) Acetone	2.19	43	4161	4.639 ug/L	98
14) Carbon disulfide	2.32	76	9120	2.350 ug/L	99
15) Methyl Acetate	2.46	43	5282	2.953 ug/L	92
16) Methylene chloride	2.54	84	3578	2.397 ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	3034	2.310 ug/L	89
18) Methyl tert-butyl Ether	2.81	73	10902	2.319 ug/L	96
19) 1,1-Dichloroethane	3.23	63	6090	2.248 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3443	2.301 ug/L	100
22) 2-Butanone	4.03	43	4655	3.592 ug/L #	72

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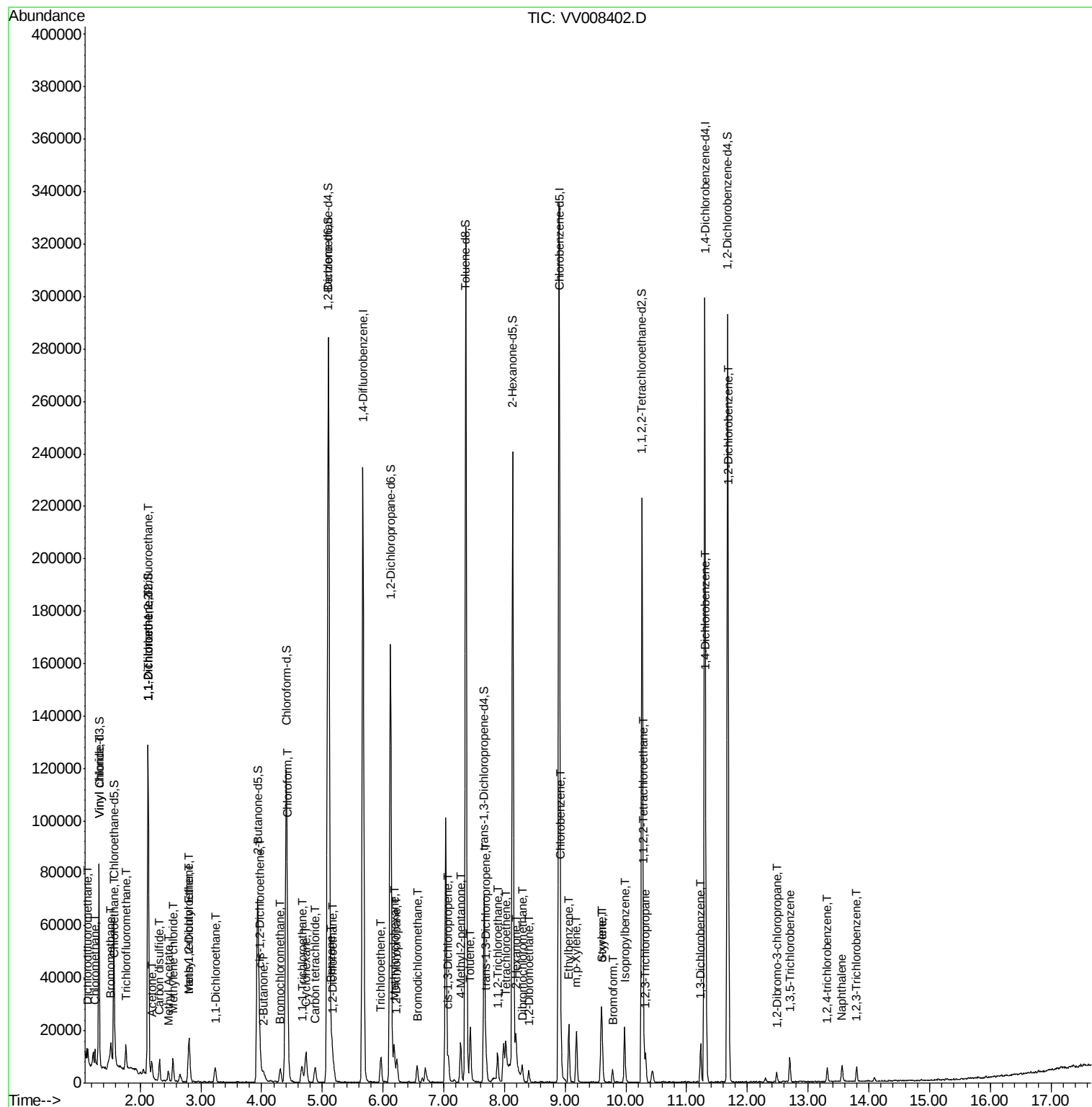
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1476	2.091	ug/L	92
25) Chloroform	4.43	83	6740	2.548	ug/L	93
27) 1,2-Dichloroethane	5.19	62	5337	2.416	ug/L	99
29) Cyclohexane	4.73	56	5985	2.355	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	5086	2.247	ug/L	97
31) Carbon tetrachloride	4.89	117	4417	2.300	ug/L	100
33) Benzene	5.15	78	13083	2.293	ug/L	100
34) Trichloroethene	5.96	95	3502	2.398	ug/L	96
35) Methylcyclohexane	6.18	83	5481	2.207	ug/L	96
37) 1,2-Dichloropropane	6.23	63	3700	2.348	ug/L #	89
38) Bromodichloromethane	6.56	83	4426	2.204	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	5360	2.164	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10222	4.381	ug/L	95
42) Toluene	7.44	91	13820	2.332	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	4979	2.149	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3189	2.289	ug/L	96
46) Tetrachloroethene	8.02	164	2198	2.308	ug/L	92
48) 2-Hexanone	8.19	43	8096	4.497	ug/L	93
49) Dibromochloromethane	8.29	129	3224	2.154	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3369	2.305	ug/L #	99
51) Chlorobenzene	8.93	112	8512	2.333	ug/L	98
52) Ethylbenzene	9.06	91	15086	2.273	ug/L	99
53) m,p-Xylene	9.18	106	5667	2.337	ug/L	90
54) o-xylene	9.59	106	5247	2.167	ug/L	86
55) Styrene	9.61	104	8949	2.193	ug/L	96
56) Isopropylbenzene	9.98	105	13524	2.134	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	6124	2.510	ug/L	91
59) 1,2,3-Trichloropropane	10.32	75	4463	2.260	ug/L	96
61) Bromoform	9.78	173	1898	2.050	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	5591	2.305	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	5702	2.345	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	6115	2.472	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1125	2.212	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.70	180	3123	1.971	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	1875	1.463	ug/L	97
69) Naphthalene	13.56	128	5257	1.268	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	1845	1.440	ug/L	97

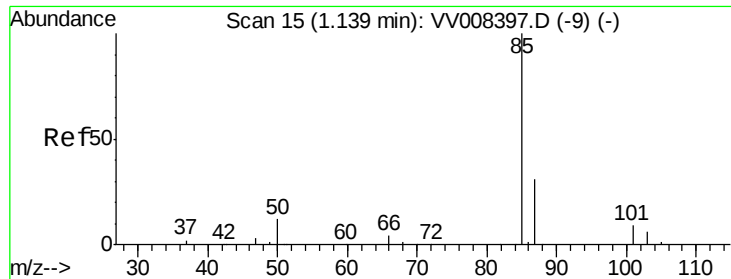
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.301 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

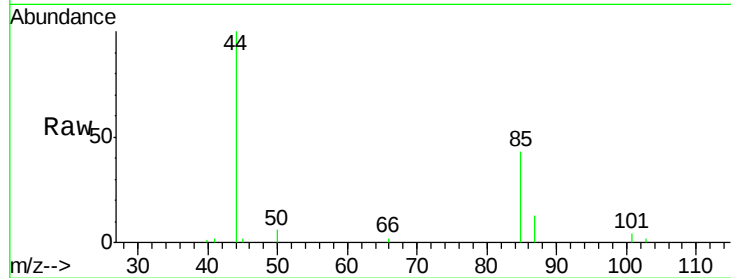
MDL04

Tgt Ion: 85 Resp: 3156

Ion Ratio Lower Upper

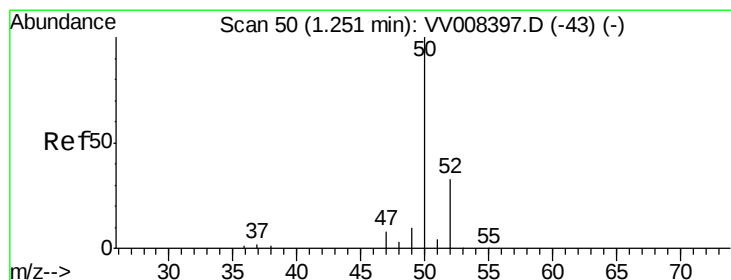
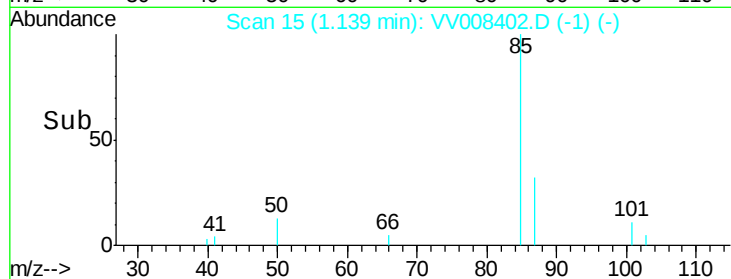
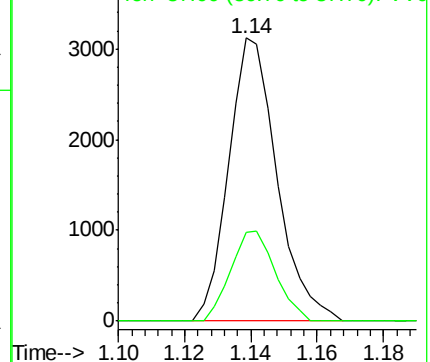
85 100

87 29.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.357 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008402.D

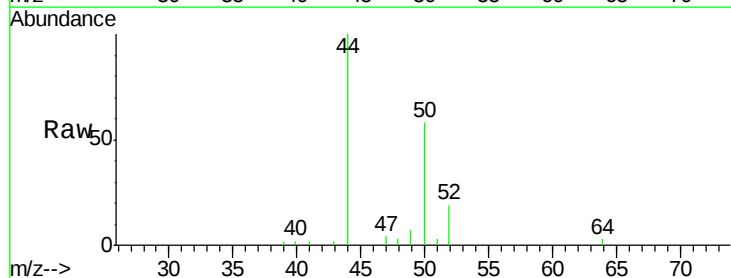
Acq: 24 Oct 2018 19:24

Tgt Ion: 50 Resp: 3462

Ion Ratio Lower Upper

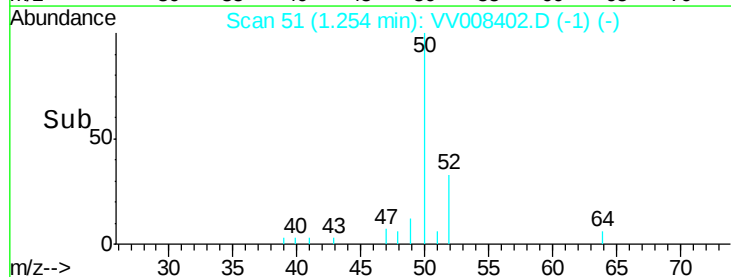
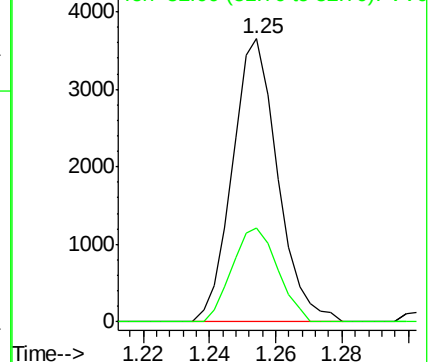
50 100

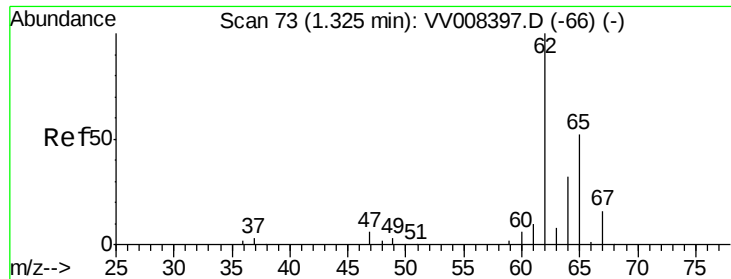
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.395 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

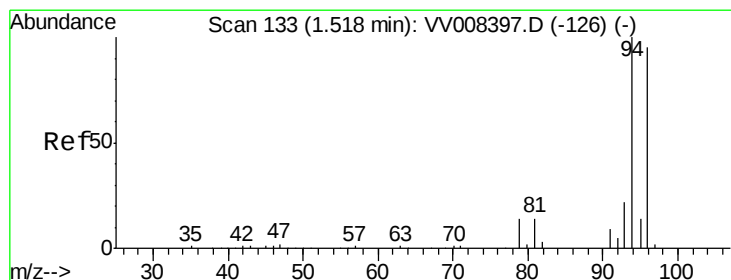
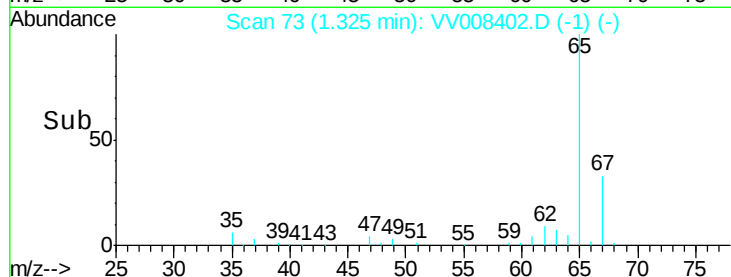
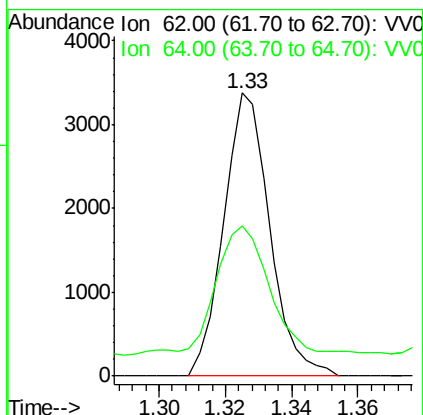
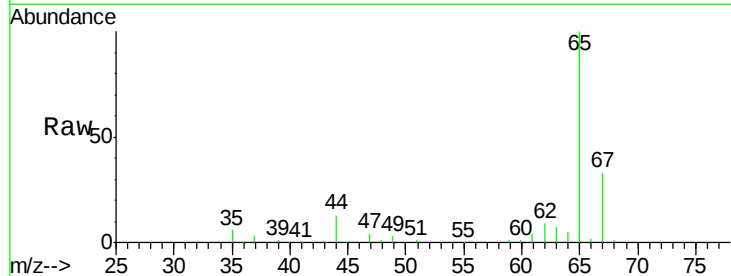
MDL04

Tgt Ion: 62 Resp: 3260

Ion Ratio Lower Upper

62 100

64 53.3 24.4 45.4#



#6

Bromomethane

Concen: 2.718 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008402.D

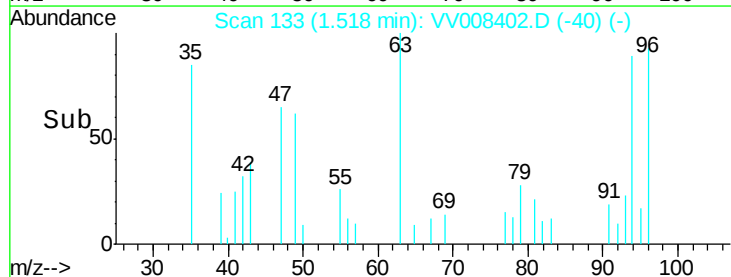
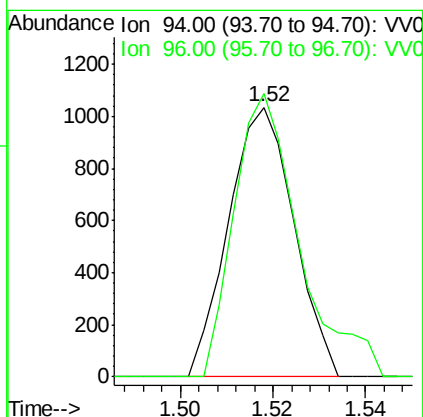
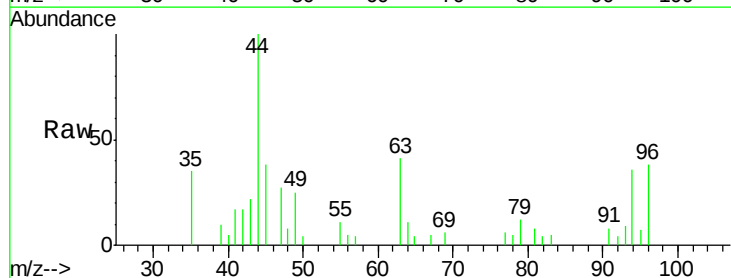
Acq: 24 Oct 2018 19:24

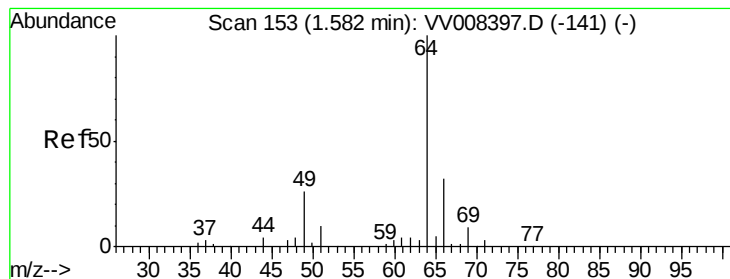
Tgt Ion: 94 Resp: 1015

Ion Ratio Lower Upper

94 100

96 105.0 63.8 118.6





#8

Chloroethane

Concen: 2.348 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampled :

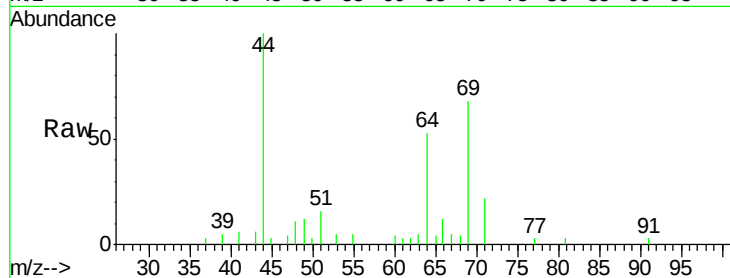
MDL04

Tgt Ion: 64 Resp: 1679

Ion Ratio Lower Upper

64 100

66 23.2 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008397.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008397.D (-141) (-)

1.59

2000

1500

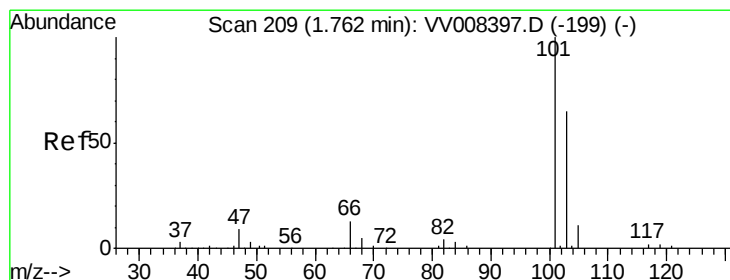
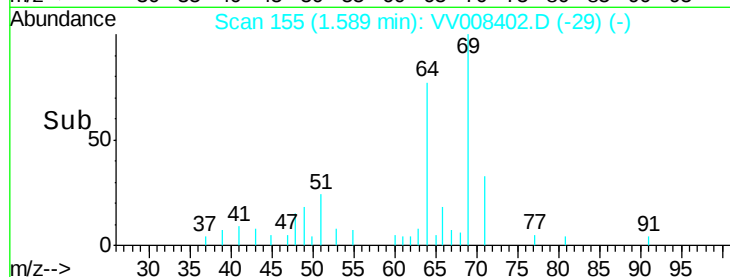
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 2.304 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008402.D

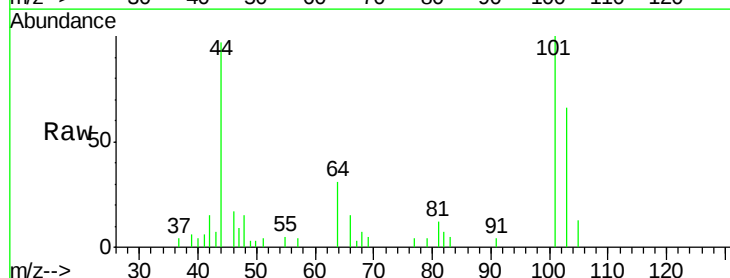
Acq: 24 Oct 2018 19:24

Tgt Ion: 101 Resp: 4037

Ion Ratio Lower Upper

101 100

103 65.3 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008397.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008397.D (-199) (-)

1.77

3000

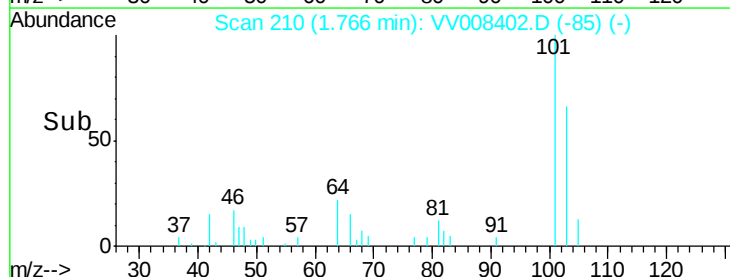
2000

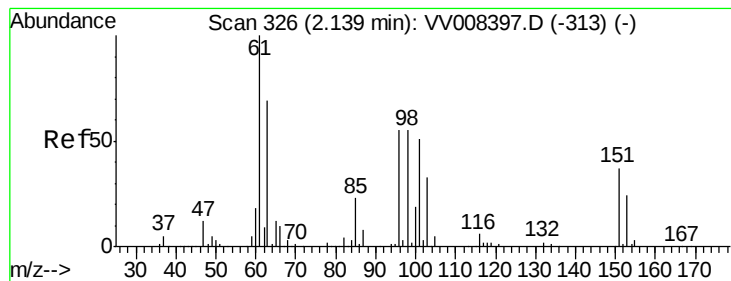
1000

0

1.72 1.74 1.76 1.78 1.80

Time-->





#10

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

Concen: 2.837 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

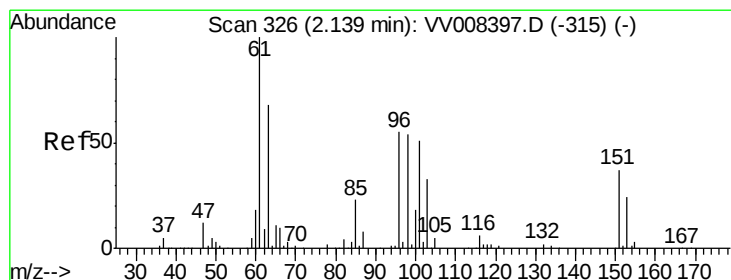
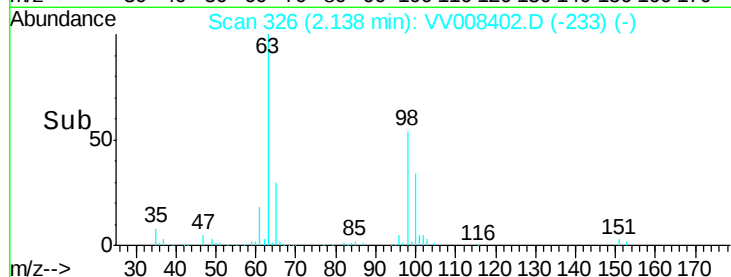
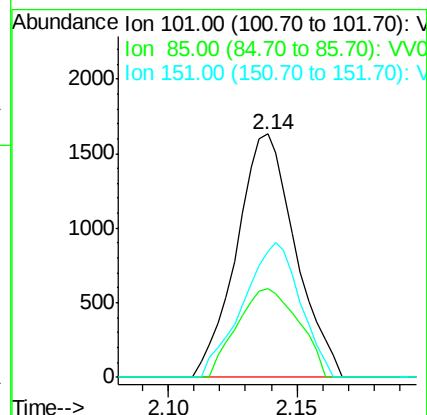
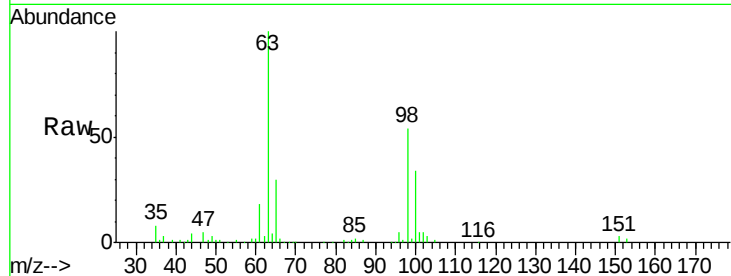
Tgt Ion:101 Resp: 2597

Ion Ratio Lower Upper

101 100

85 38.0 35.6 53.4

151 54.1 58.1 87.1#



#12

1,1-Dichloroethene

Concen: 2.842 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

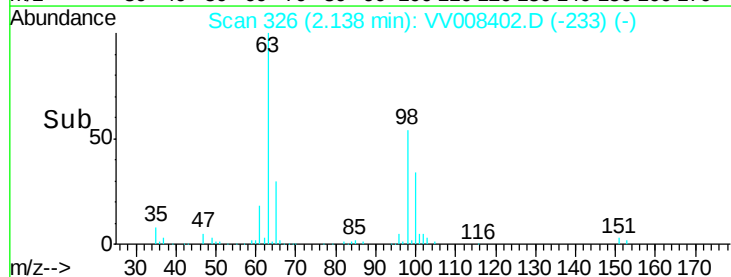
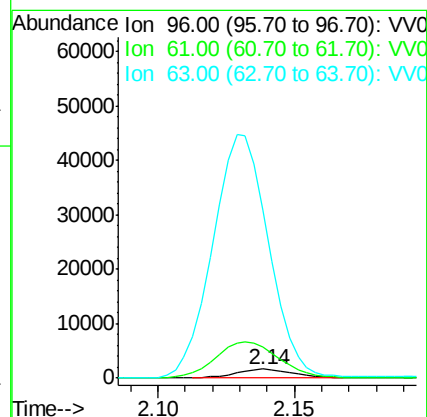
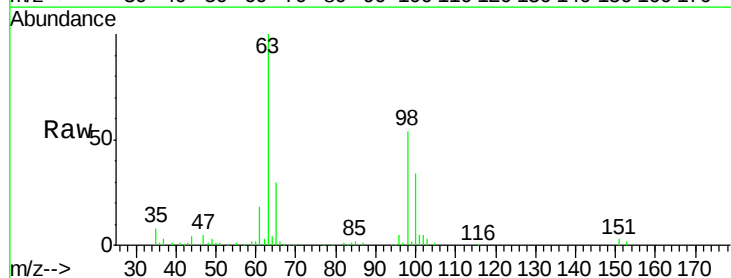
Tgt Ion: 96 Resp: 2449

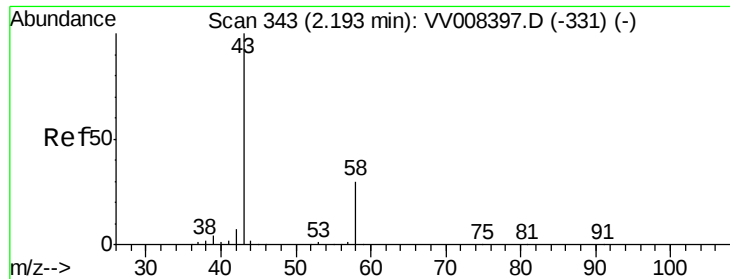
Ion Ratio Lower Upper

96 100

61 347.4 130.3 242.1#

63 1885.6 84.4 156.8#





#13

Acetone

Concen: 4.639 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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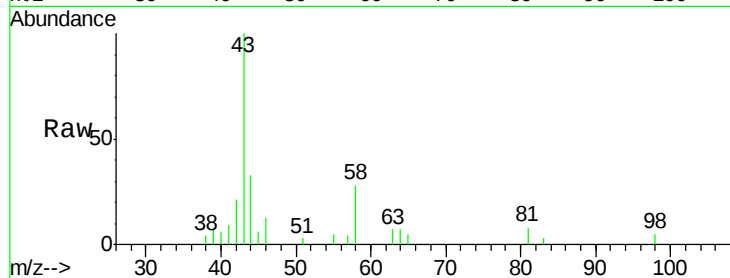
MDL04

Tgt Ion: 43 Resp: 4161

Ion Ratio Lower Upper

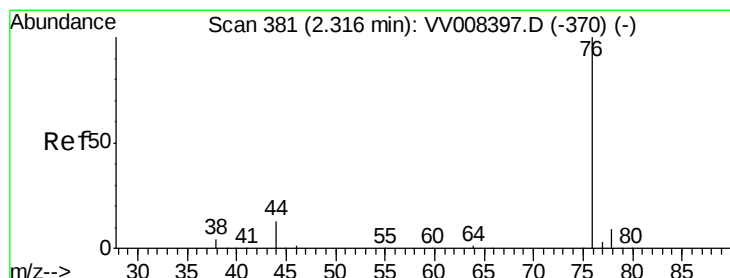
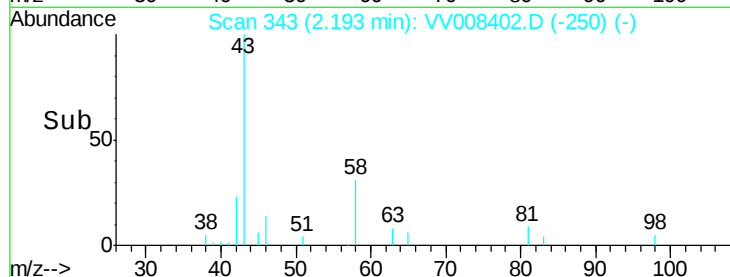
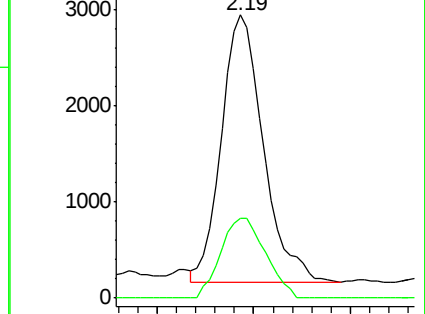
43 100

58 32.0 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008402.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008402.D (-250) (-)



#14

Carbon disulfide

Concen: 2.350 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008402.D

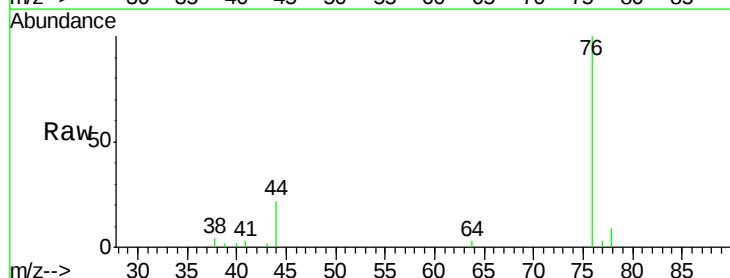
Acq: 24 Oct 2018 19:24

Tgt Ion: 76 Resp: 9120

Ion Ratio Lower Upper

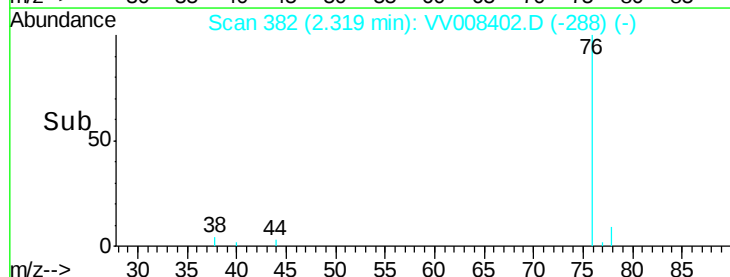
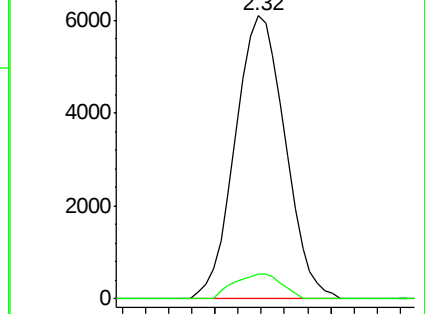
76 100

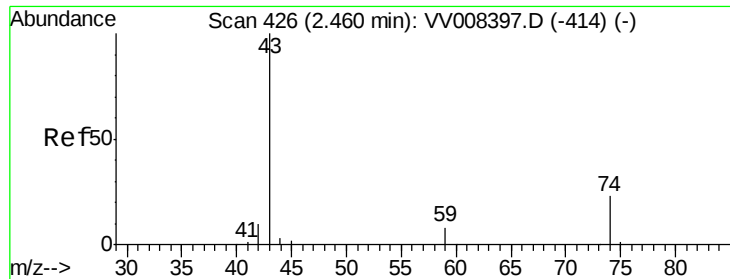
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008402.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV008402.D (-288) (-)

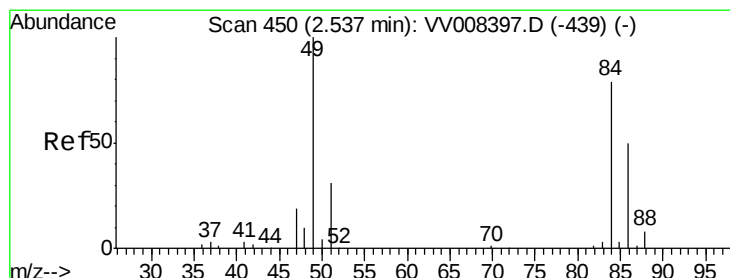
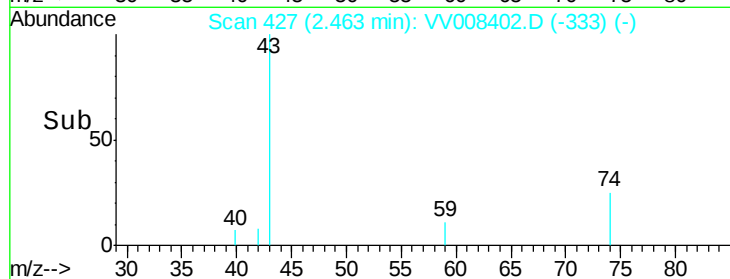
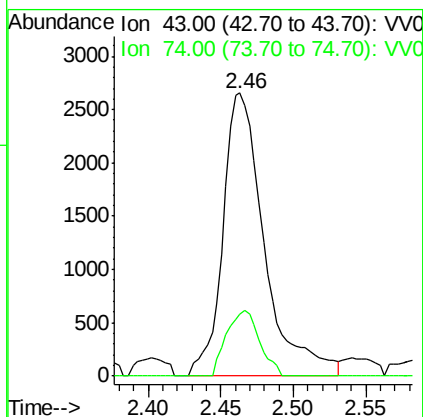
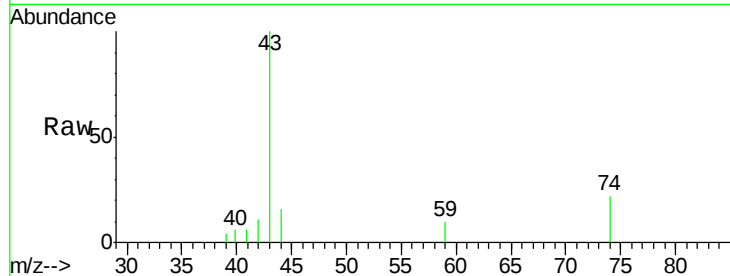




#15
Methyl Acetate
Concen: 2.953 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

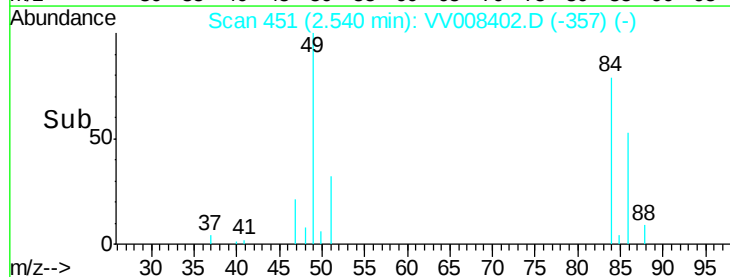
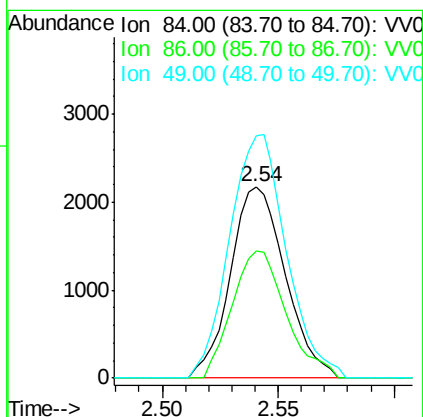
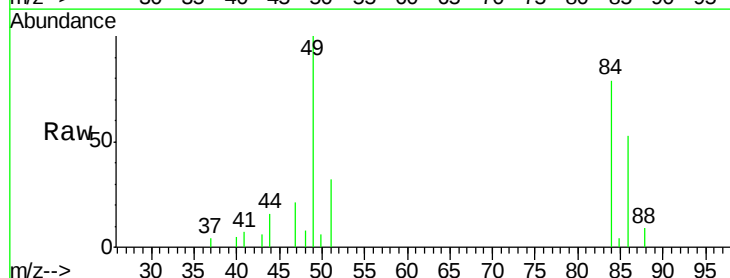
Instrument :
MSVOA_V
ClientSampled :
MDL04

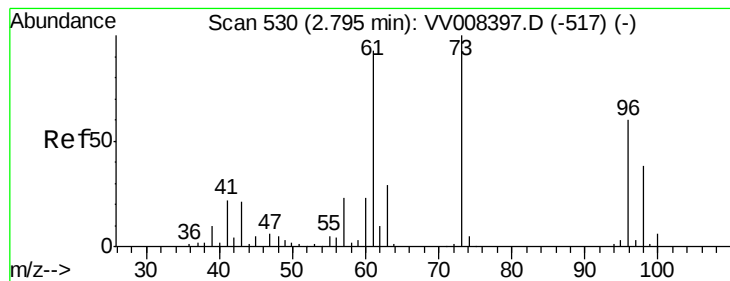
Tgt Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
74 18.5 17.8 26.6



#16
Methylene chloride
Concen: 2.397 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

Tgt Ion: 84 Resp: 3578
Ion Ratio Lower Upper
84 100
86 66.8 45.6 84.6
49 126.9 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 2.310 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

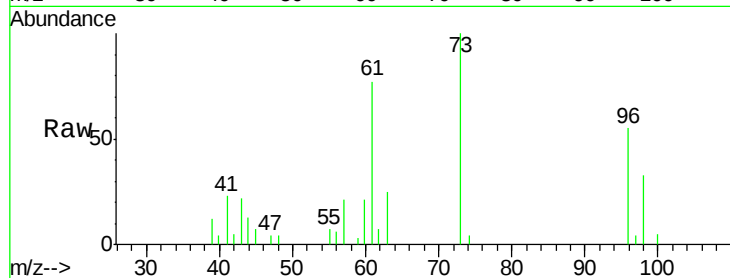
Tgt Ion: 96 Resp: 3034

Ion Ratio Lower Upper

96 100

61 138.0 108.6 201.6

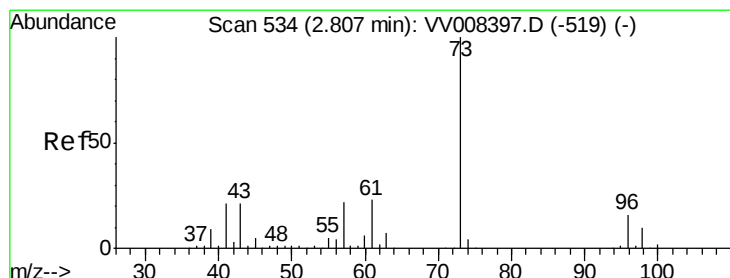
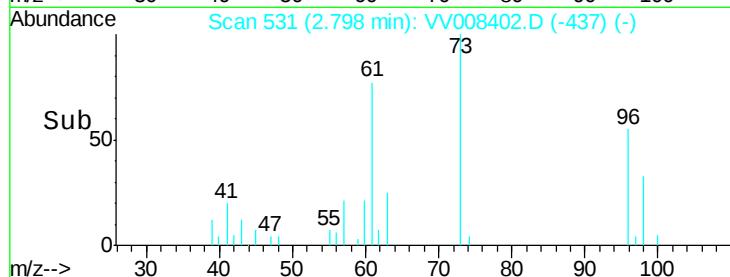
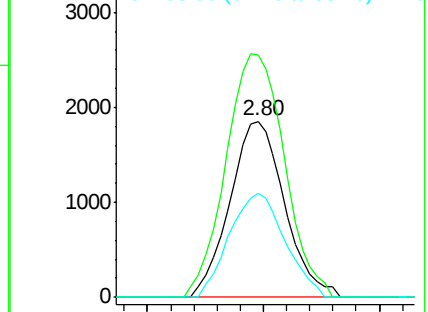
98 59.3 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008397.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008397.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008397.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 2.319 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

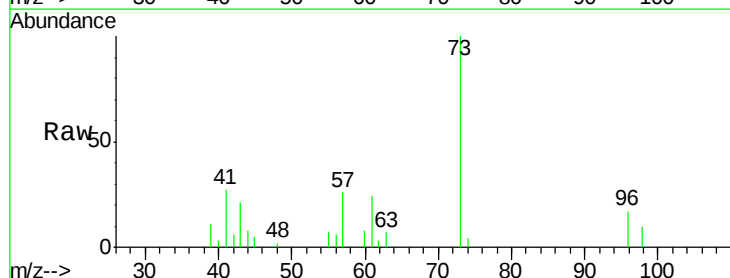
Tgt Ion: 73 Resp: 10902

Ion Ratio Lower Upper

73 100

43 23.3 16.2 24.4

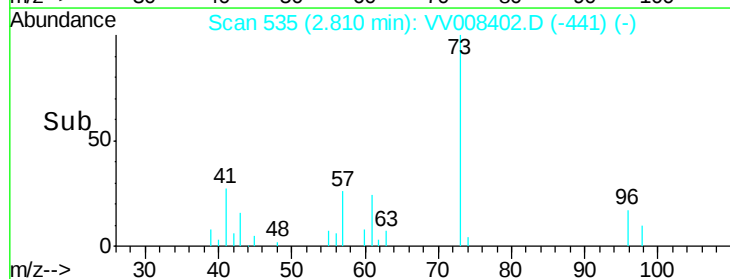
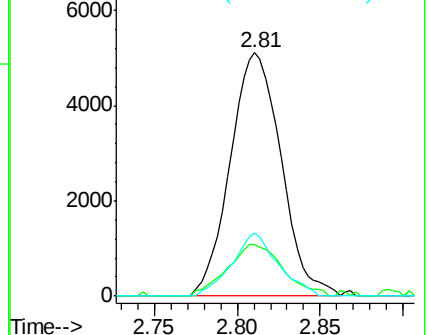
57 23.4 18.2 27.2

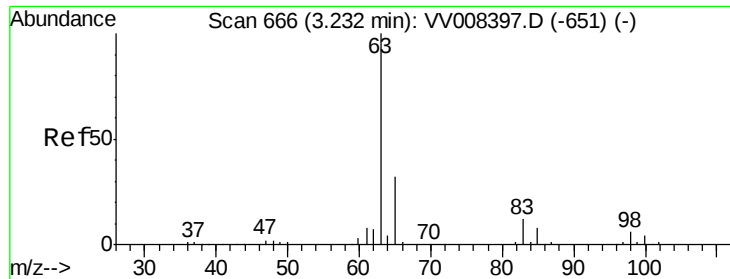


Abundance Ion 73.00 (72.70 to 73.70): VV008397.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV008397.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV008397.D (-519) (-)

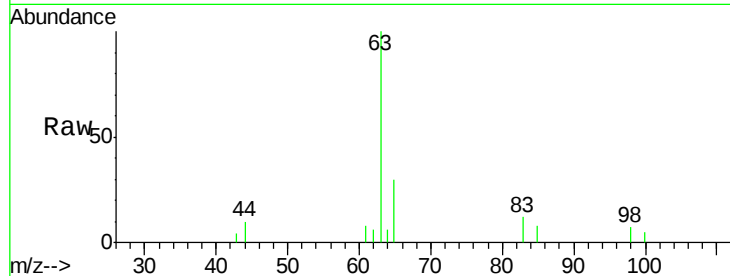




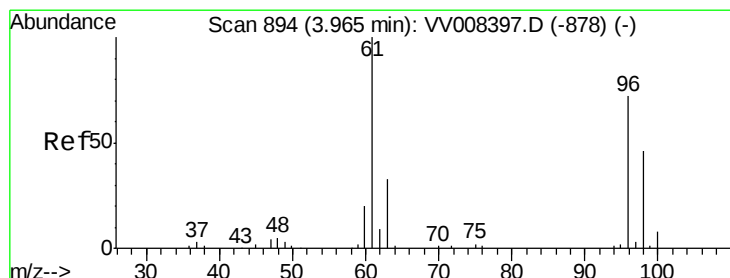
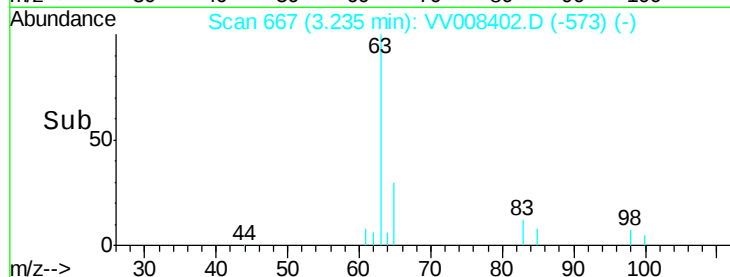
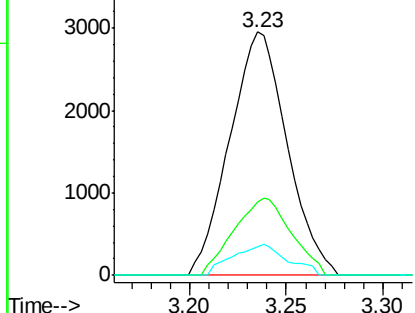
#19
 1,1-Dichloroethane
 Concen: 2.248 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion: 63 Resp: 6090
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.0 40.8
 83 11.9 9.3 17.3

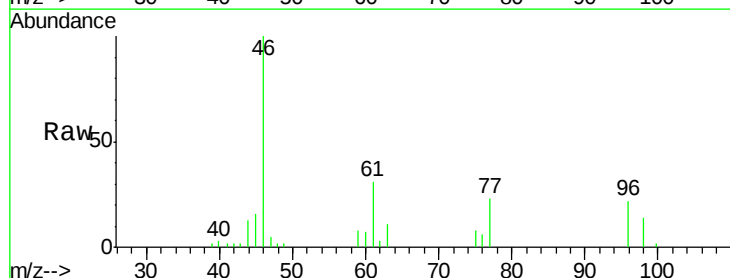


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

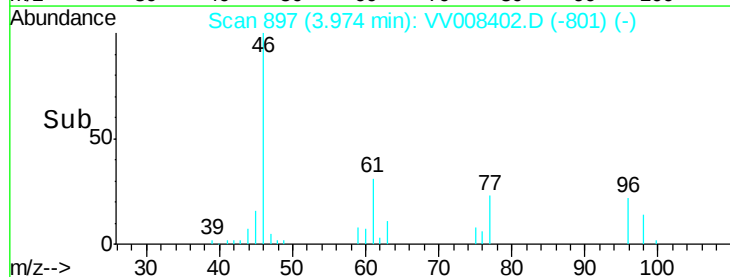
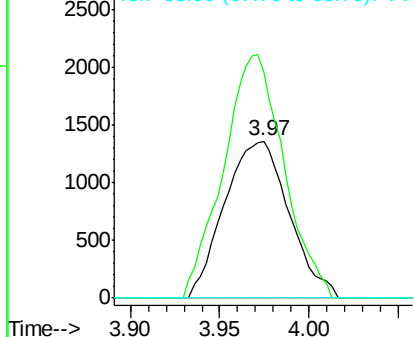


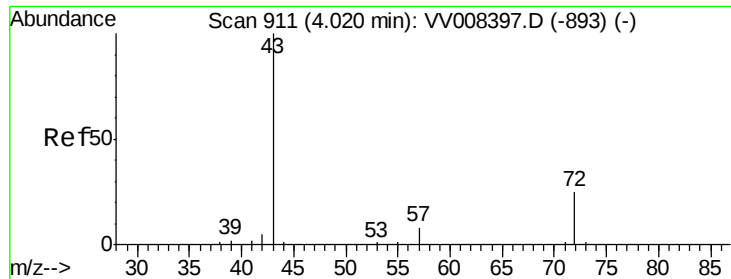
#20
 cis-1,2-Dichloroethene
 Concen: 2.301 ug/L
 RT: 3.97 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion: 96 Resp: 3443
 Ion Ratio Lower Upper
 96 100
 61 143.6 100.9 187.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 3.592 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

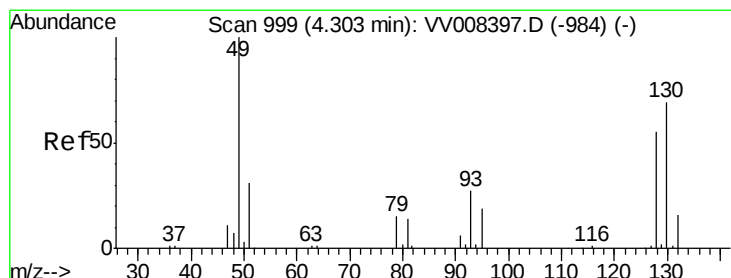
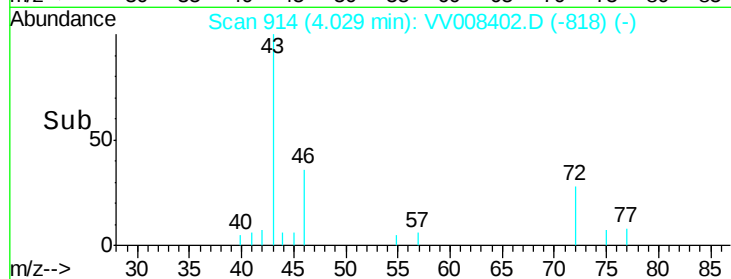
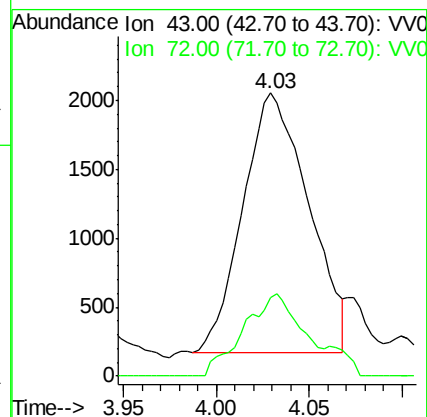
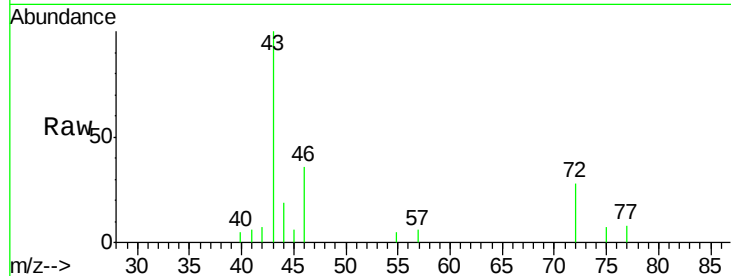
Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion: 43 Resp: 4655

Ion Ratio Lower Upper

43 100

72 11.5 13.0 38.9#



#23

Bromochloromethane

Concen: 2.091 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Tgt Ion: 128 Resp: 1476

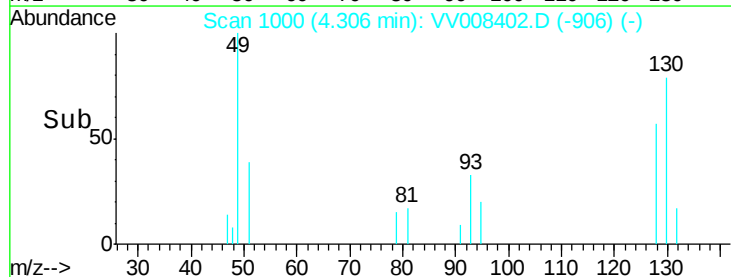
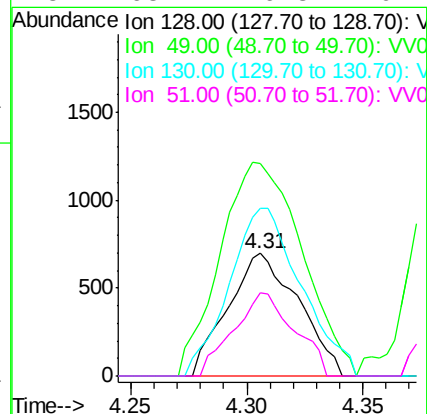
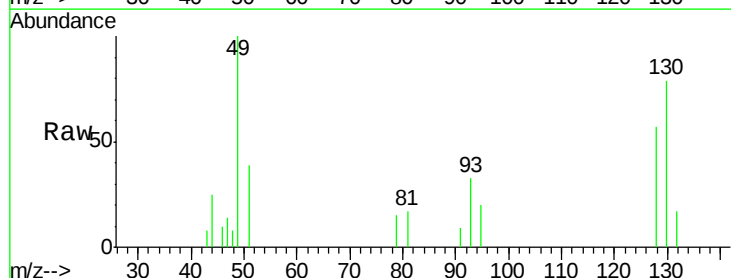
Ion Ratio Lower Upper

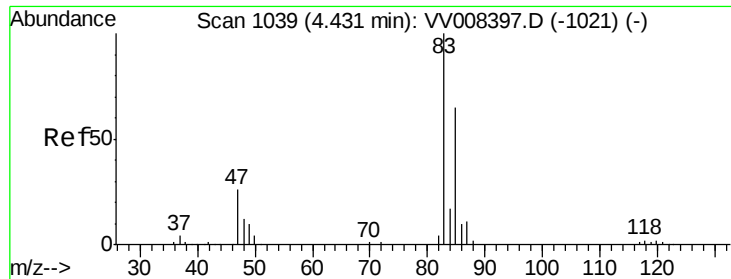
128 100

49 174.0 128.0 237.8

130 137.2 89.2 165.8

51 68.1 46.8 70.2

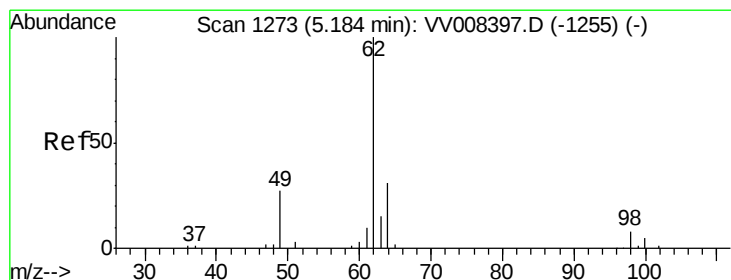
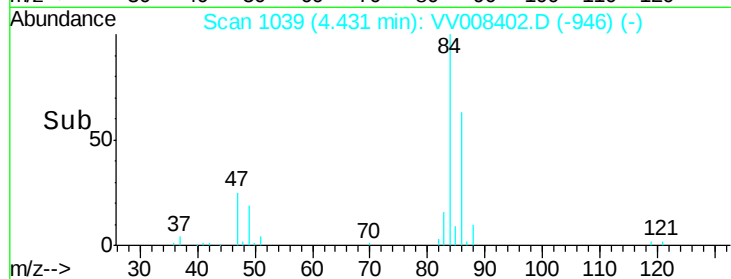
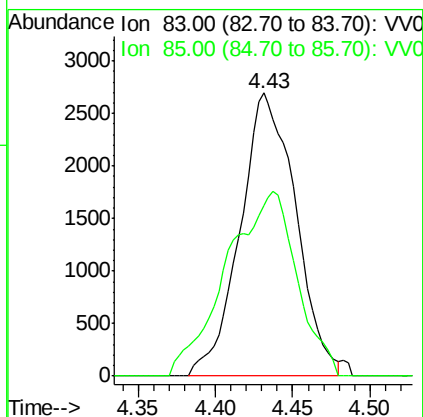
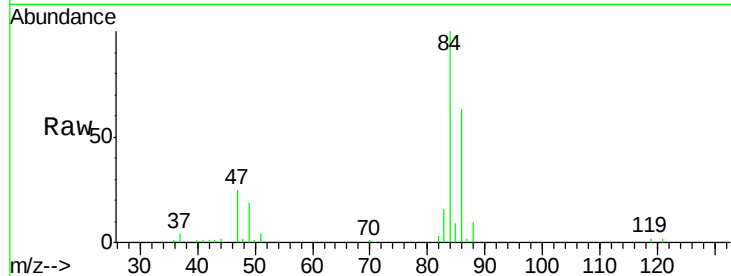




#25
Chloroform
Concen: 2.548 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

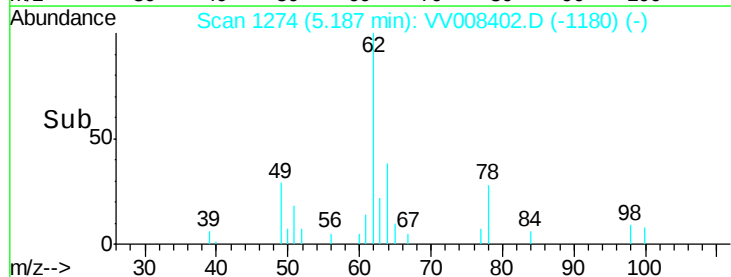
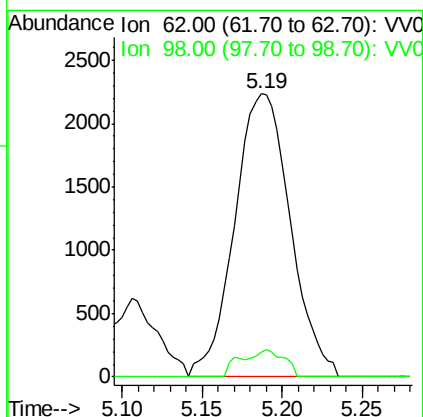
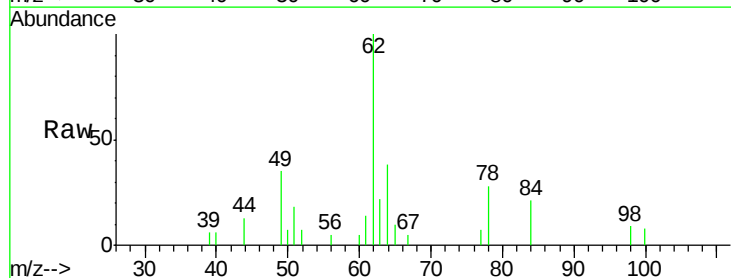
Instrument :
MSVOA_V
ClientSampled :
MDL04

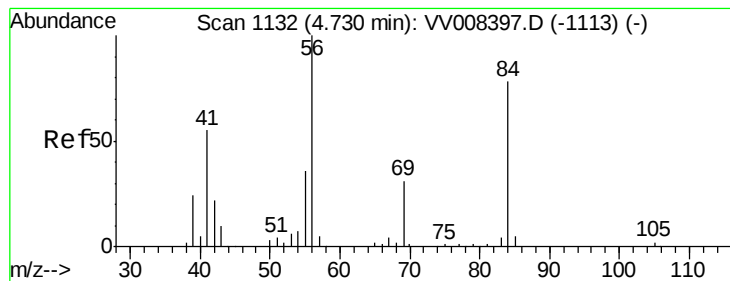
Tgt Ion: 83 Resp: 6740
Ion Ratio Lower Upper
83 100
85 60.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.416 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

Tgt Ion: 62 Resp: 5337
Ion Ratio Lower Upper
62 100
98 8.7 6.6 9.8





#29

Cyclohexane

Concen: 2.355 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

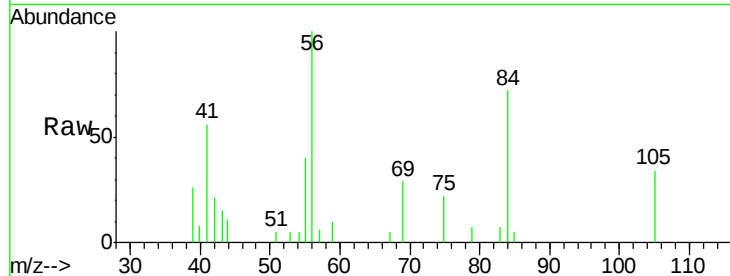
Tgt Ion: 56 Resp: 5985

Ion Ratio Lower Upper

56 100

69 29.3 24.6 37.0

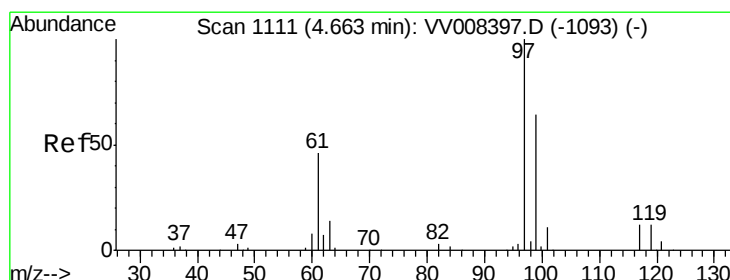
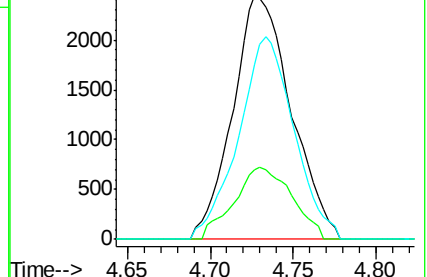
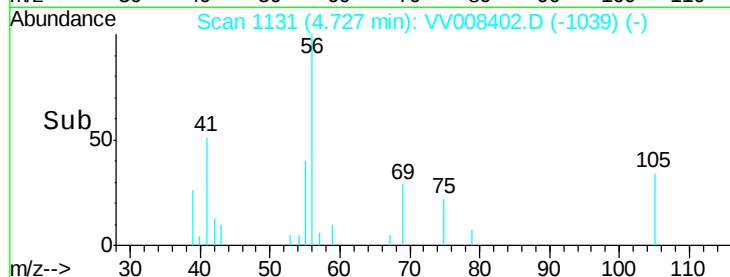
84 78.6 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VV008402.D (-1039) (-)

Ion 69.00 (68.70 to 69.70): VV008402.D (-1039) (-)

Ion 84.00 (83.70 to 84.70): VV008402.D (-1039) (-)



#30

1,1,1-Trichloroethane

Concen: 2.247 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

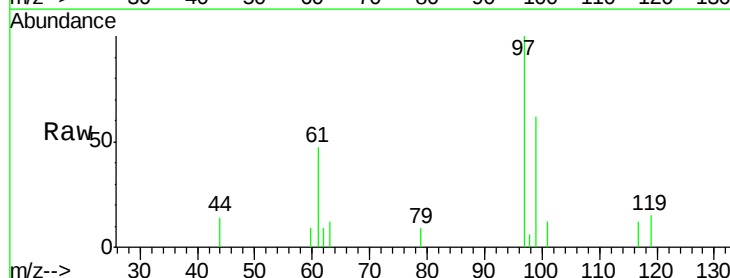
Tgt Ion: 97 Resp: 5086

Ion Ratio Lower Upper

97 100

99 65.8 51.6 77.4

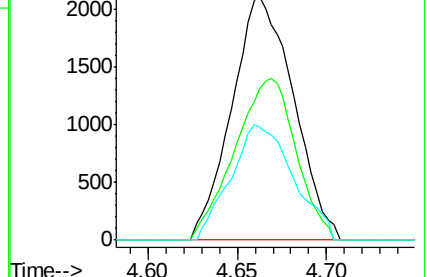
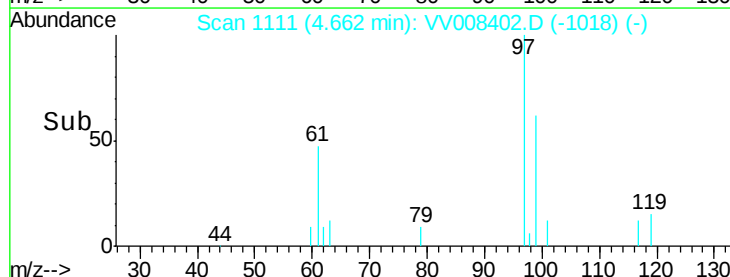
61 48.1 36.5 54.7

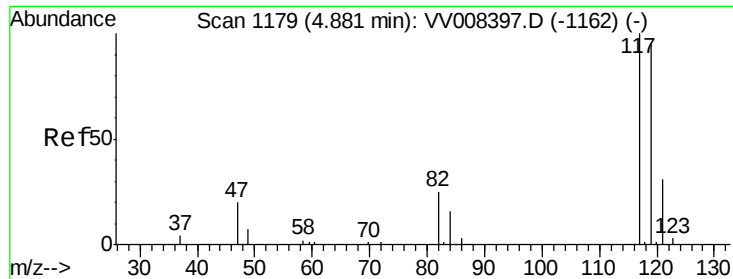


Abundance Ion 97.00 (96.70 to 97.70): VV008402.D (-1018) (-)

Ion 99.00 (98.70 to 99.70): VV008402.D (-1018) (-)

Ion 61.05 (60.75 to 61.75): VV008402.D (-1018) (-)





#31

Carbon tetrachloride

Concen: 2.300 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

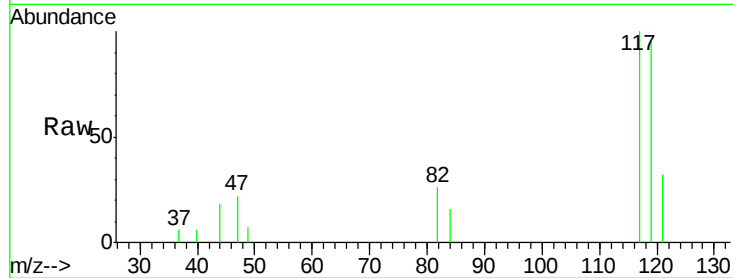
MDL04

Tgt Ion:117 Resp: 4417

Ion Ratio Lower Upper

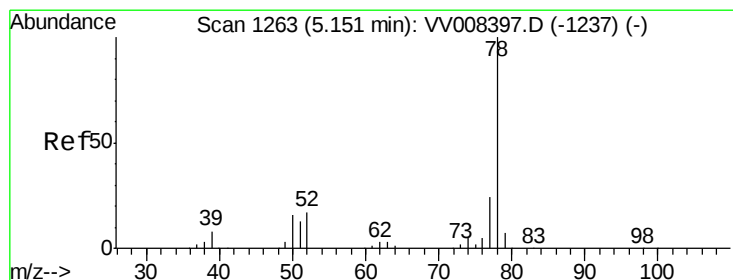
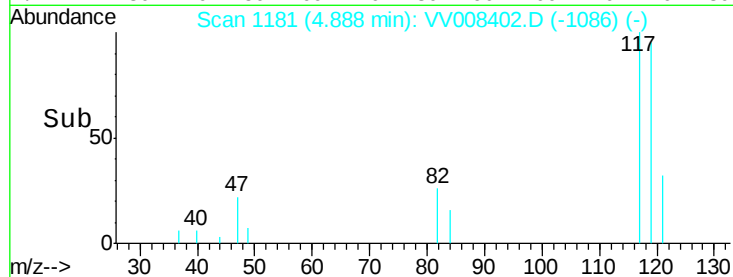
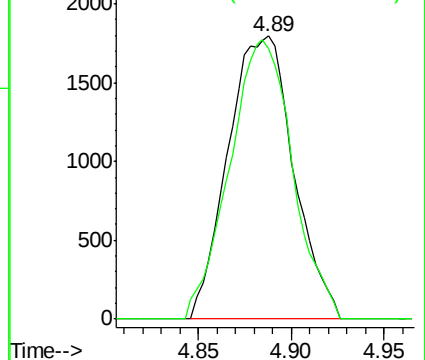
117 100

119 95.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.293 ug/L

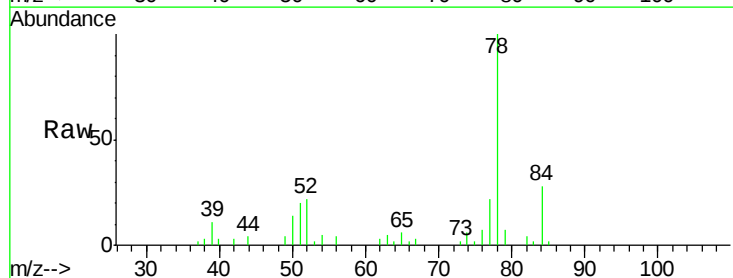
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

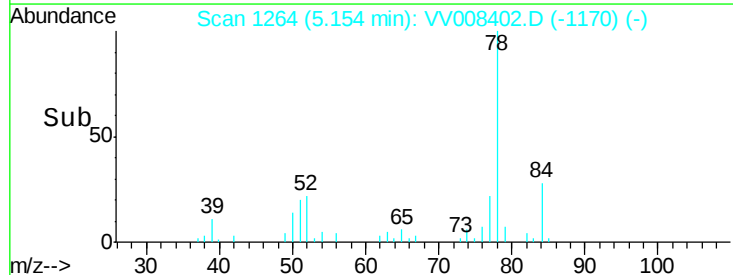
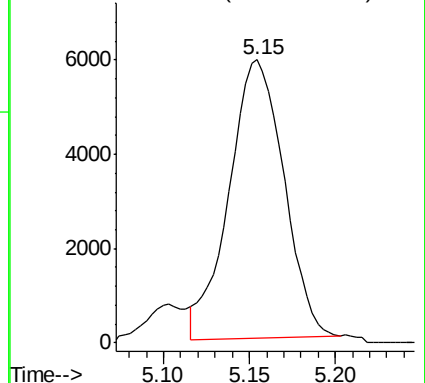
Lab File: VV008402.D

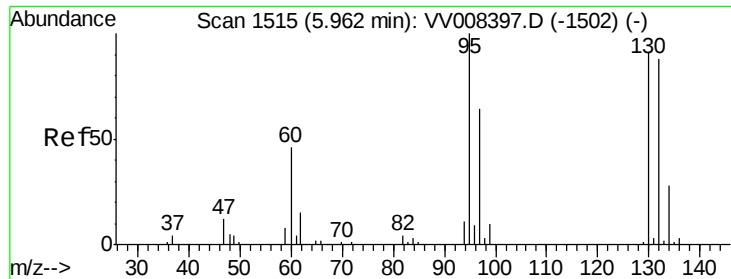
Acq: 24 Oct 2018 19:24

Tgt Ion: 78 Resp: 13083



Abundance Ion 78.00 (77.70 to 78.70): VV0

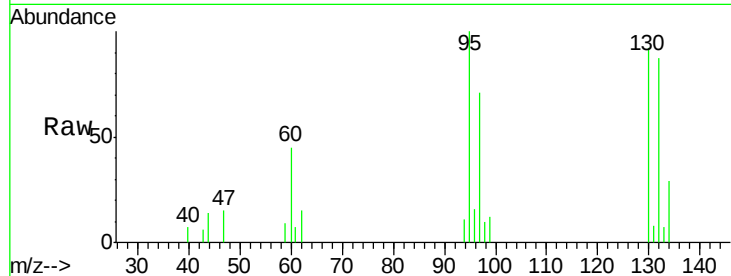




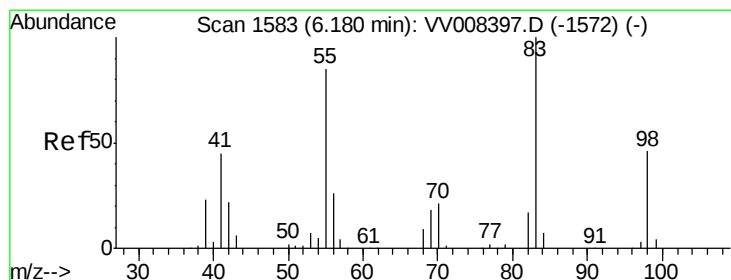
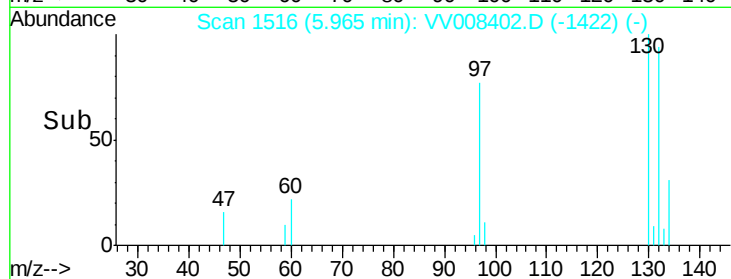
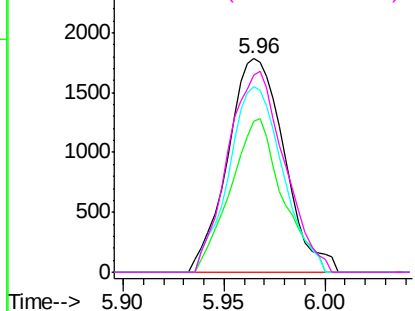
#34
 Trichloroethene
 Concen: 2.398 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tgt Ion: 95 Resp: 3502
 Ion Ratio Lower Upper
 95 100
 97 70.9 45.2 84.0
 132 87.1 63.8 118.6
 130 92.4 64.7 120.1

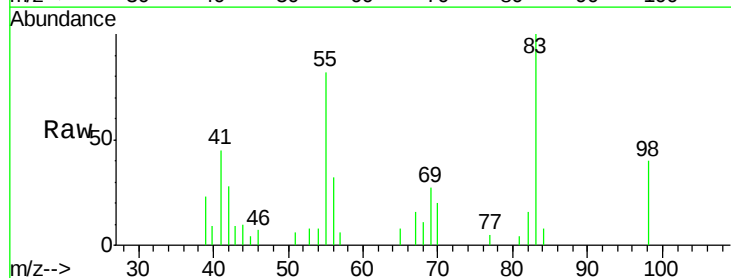


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

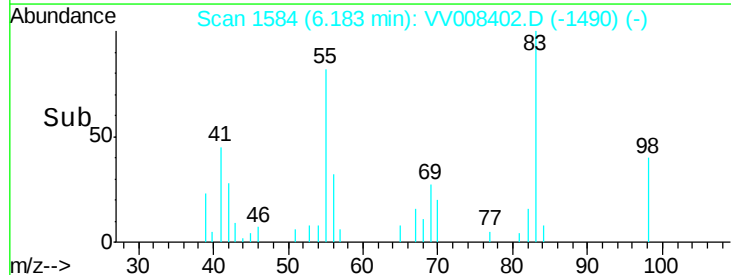
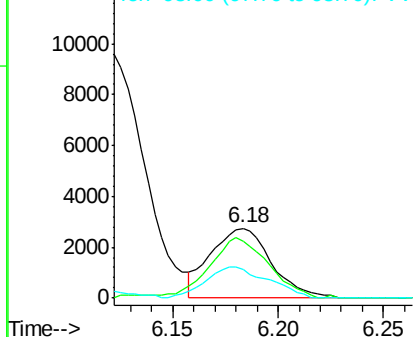


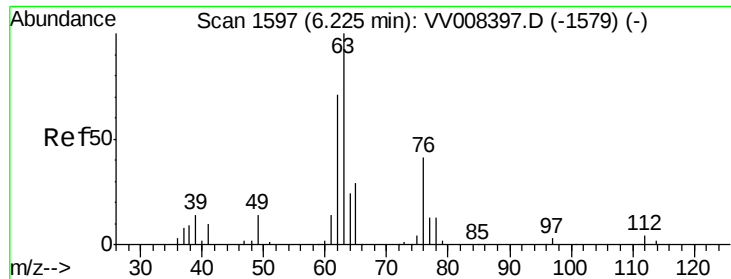
#35
 Methylcyclohexane
 Concen: 2.207 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion: 83 Resp: 5481
 Ion Ratio Lower Upper
 83 100
 55 85.1 65.0 97.4
 98 46.3 36.0 54.0



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

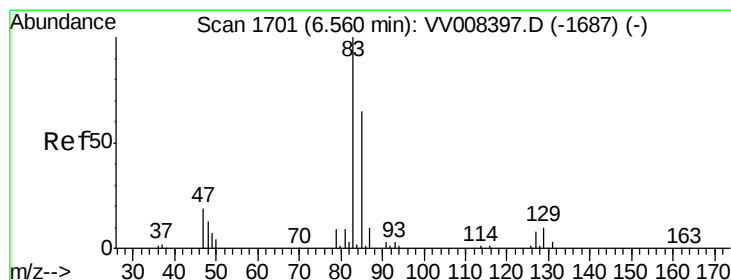
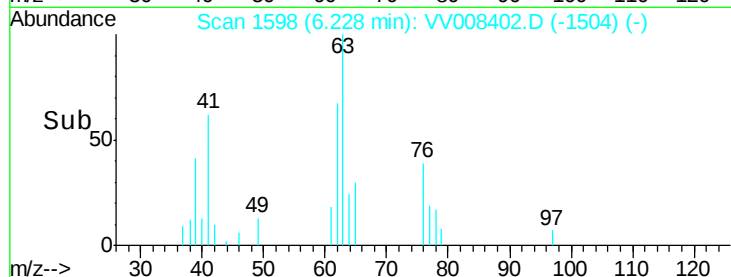
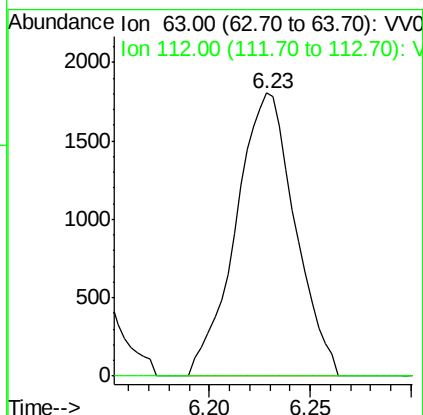
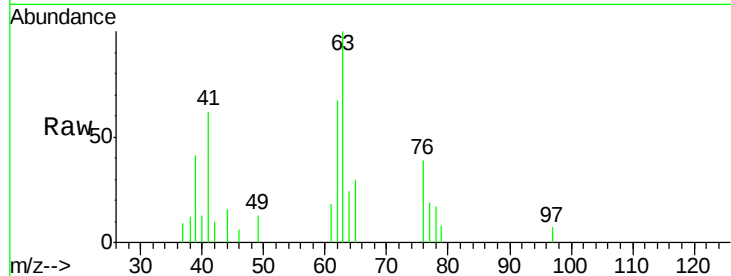




#37
 1,2-Dichloropropane
 Concen: 2.348 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

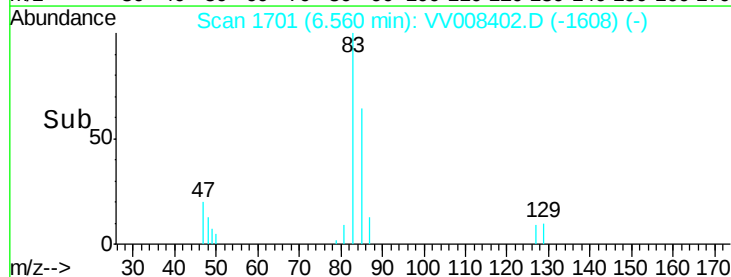
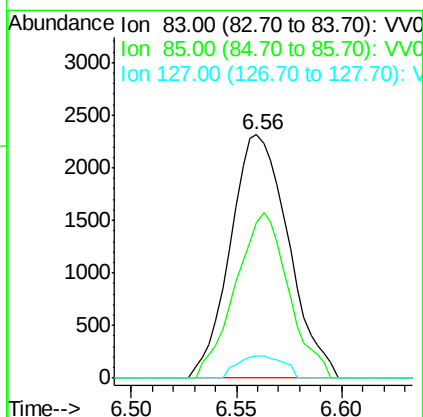
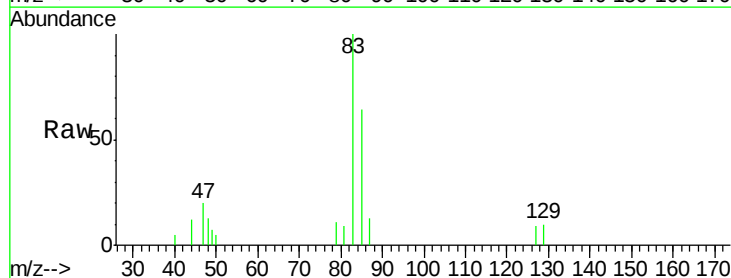
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

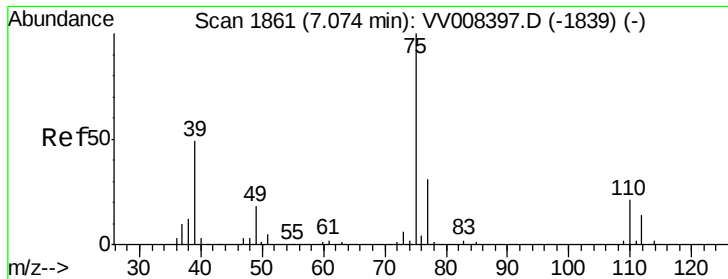
Tgt Ion: 63 Resp: 3700
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.204 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion: 83 Resp: 4426
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.3 82.3
 127 9.2 6.3 9.5

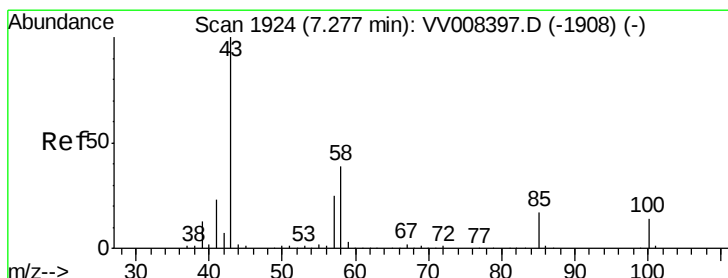
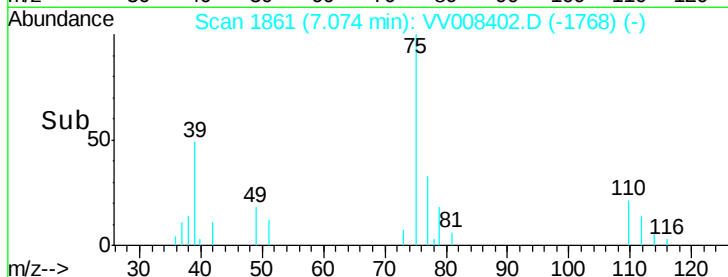
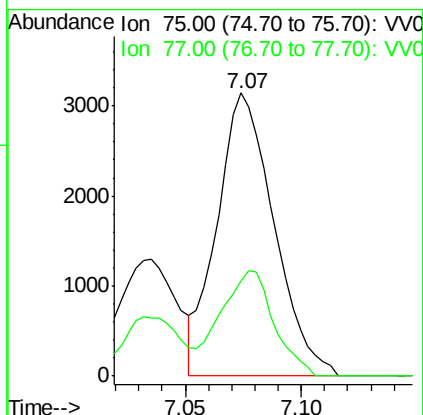
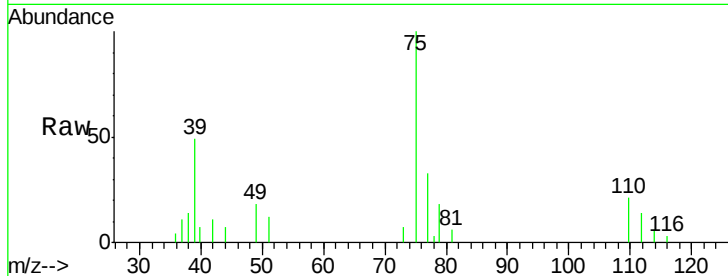




#39
 cis-1,3-Dichloropropene
 Concen: 2.164 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

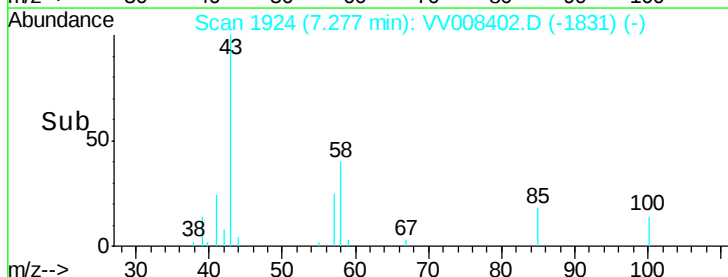
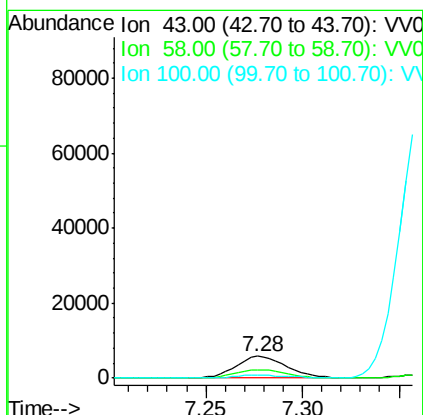
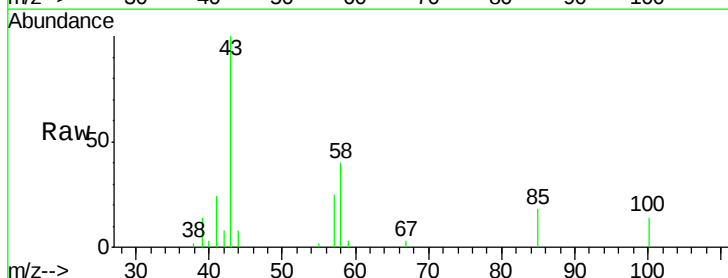
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

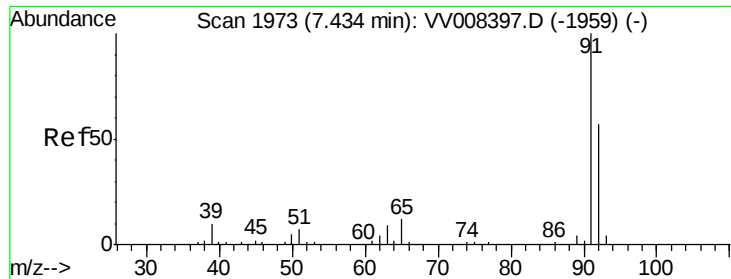
Tgt Ion: 75 Resp: 5360
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 4.381 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion: 43 Resp: 10222
 Ion Ratio Lower Upper
 43 100
 58 42.1 30.9 46.3
 100 14.7 10.9 16.3





#42

Toluene

Concen: 2.332 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

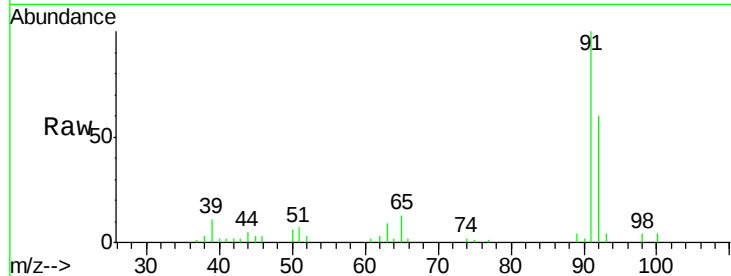
MDL04

Tgt Ion: 91 Resp: 13820

Ion Ratio Lower Upper

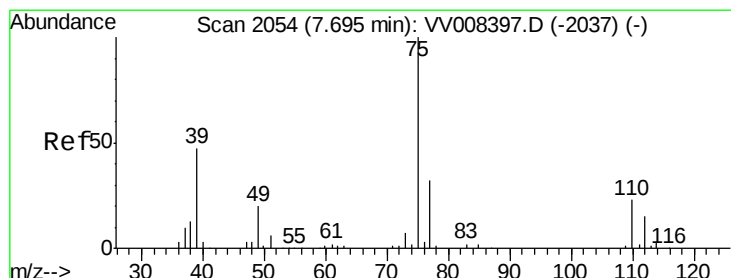
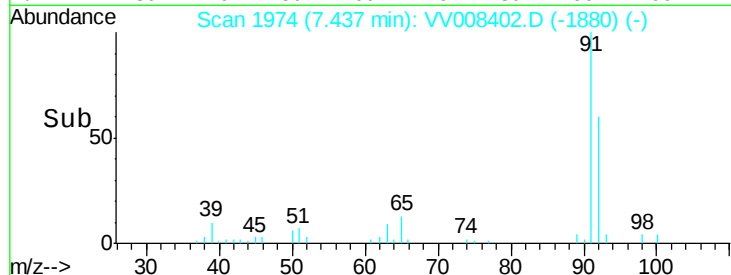
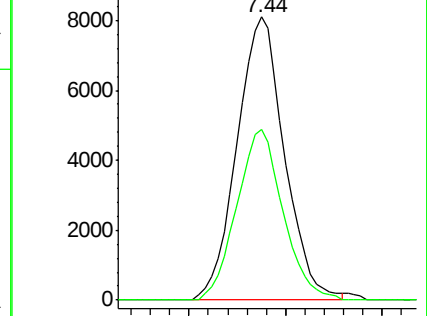
91 100

92 60.4 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.149 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008402.D

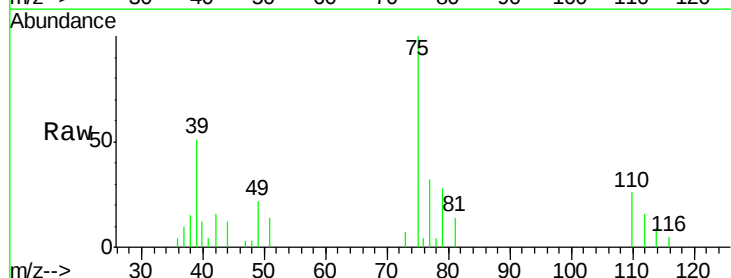
Acq: 24 Oct 2018 19:24

Tgt Ion: 75 Resp: 4979

Ion Ratio Lower Upper

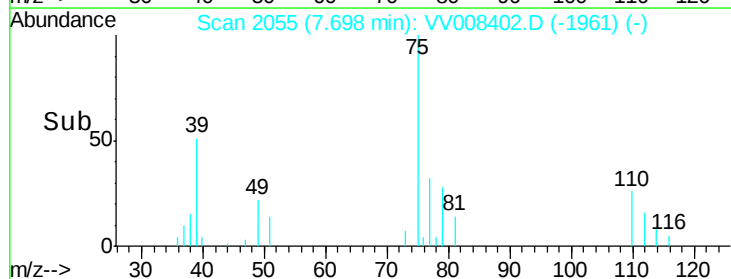
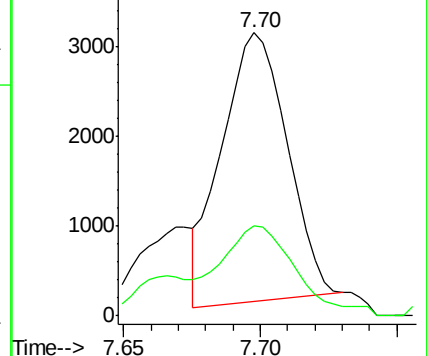
75 100

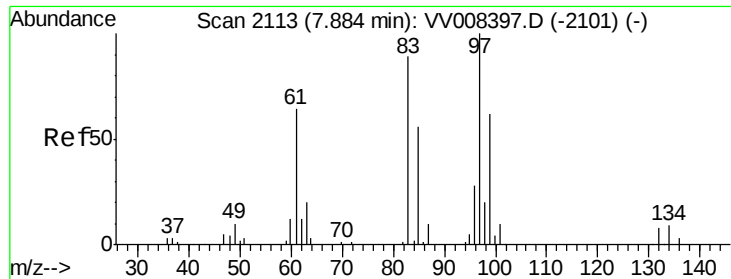
77 32.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

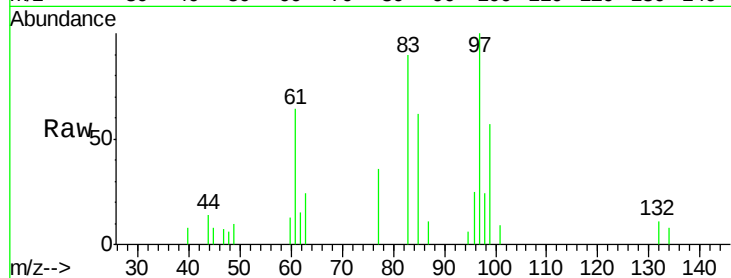




#45
 1,1,2-Trichloroethane
 Concen: 2.289 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:	97	Resp:	3189
Ion	Ratio	Lower	Upper
97	100		
99	57.1	43.3	80.3
83	89.8	61.9	114.9
85	62.3	40.9	75.9



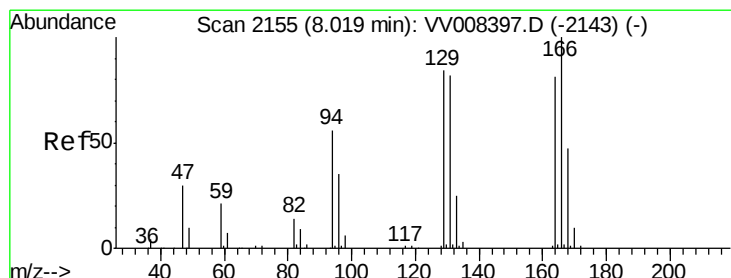
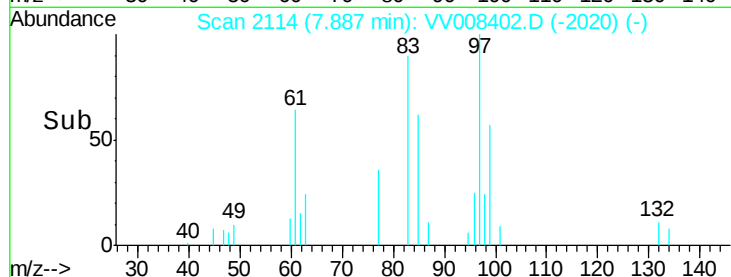
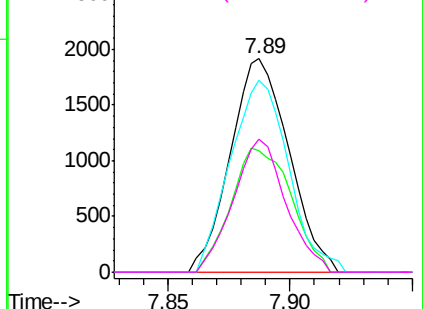
Abundance

Ion 97.00 (96.70 to 97.70): VV008402.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV008402.D (-2101) (-)

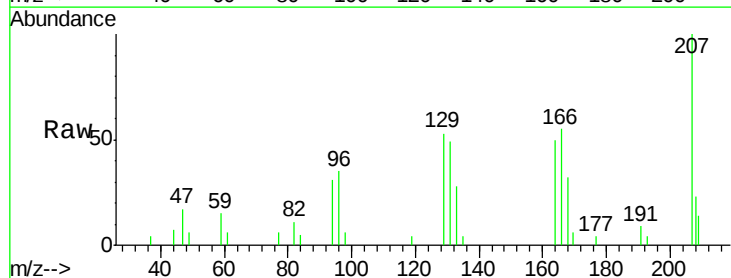
Ion 83.00 (82.70 to 83.70): VV008402.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV008402.D (-2101) (-)



#46
 Tetrachloroethene
 Concen: 2.308 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion:	164	Resp:	2198
Ion	Ratio	Lower	Upper
164	100		
129	105.7	75.0	139.2
131	98.2	71.3	132.3
166	108.8	89.2	165.6



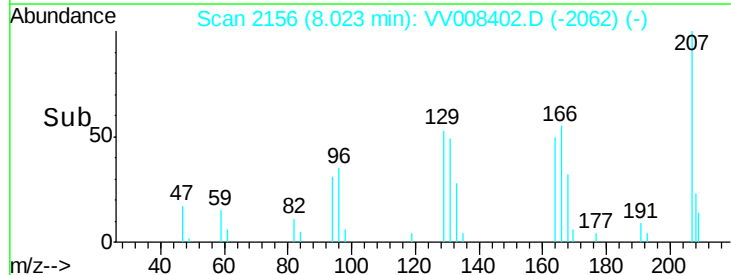
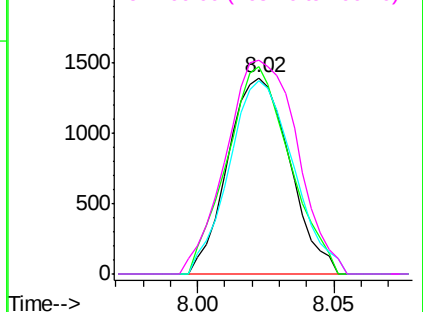
Abundance

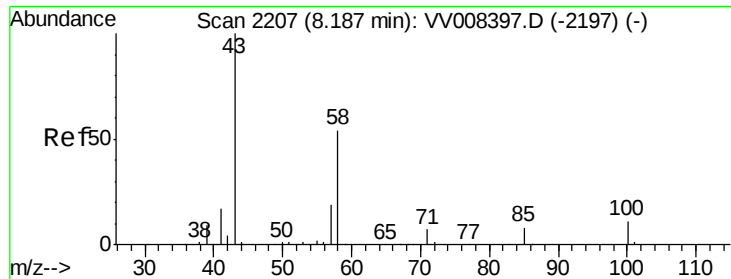
Ion 164.00 (163.70 to 164.70): VV008402.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV008402.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV008402.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV008402.D (-2062) (-)

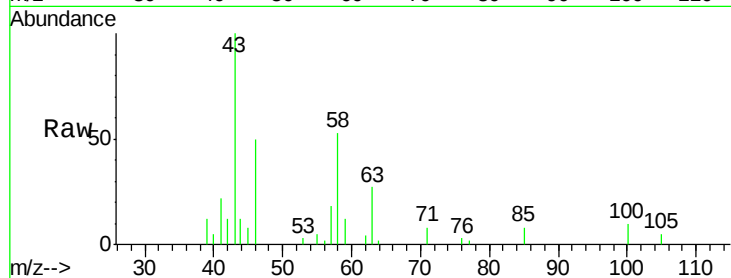




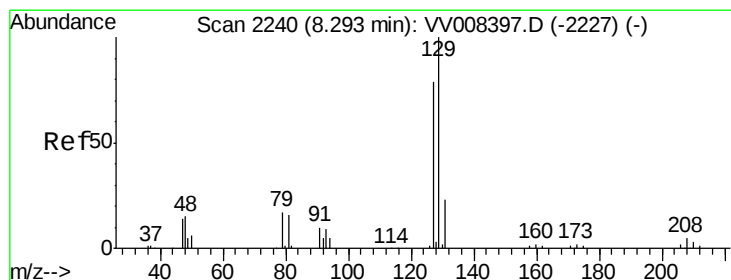
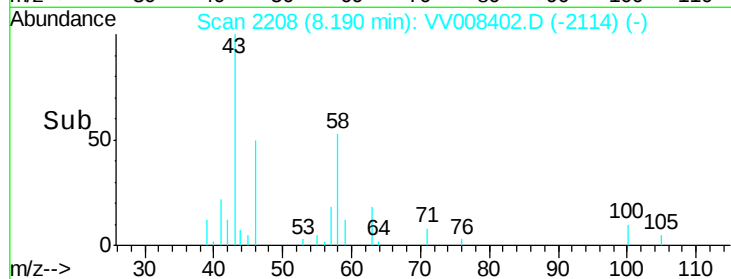
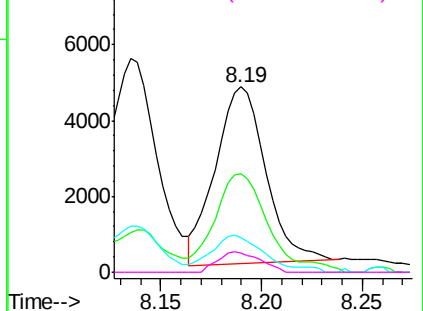
#48
2-Hexanone
Concen: 4.497 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 8096
Ion Ratio Lower Upper
43 100
58 59.3 42.6 63.8
57 17.1 14.8 22.2
100 9.8 8.5 12.7

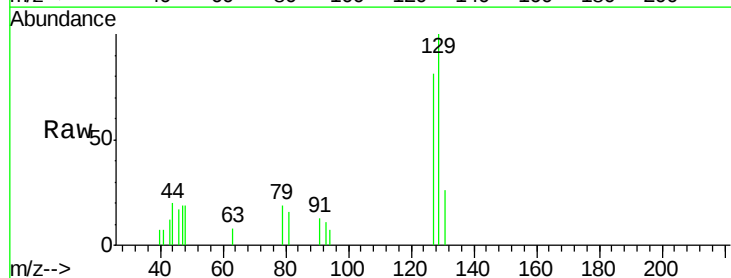


Abundance Ion 43.00 (42.70 to 43.70): VV008402.D (-2114) (-)
Ion 58.00 (57.70 to 58.70): VV008402.D (-2114) (-)
Ion 57.00 (56.70 to 57.70): VV008402.D (-2114) (-)
Ion 100.00 (99.70 to 100.70): VV008402.D (-2114) (-)

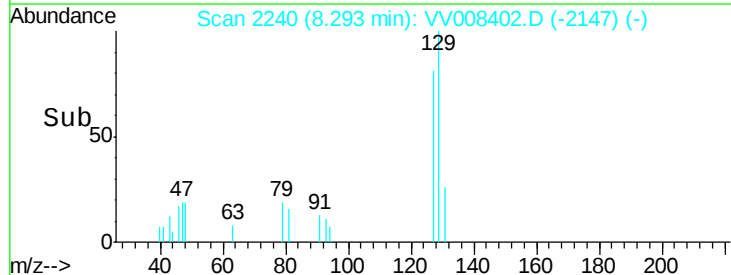
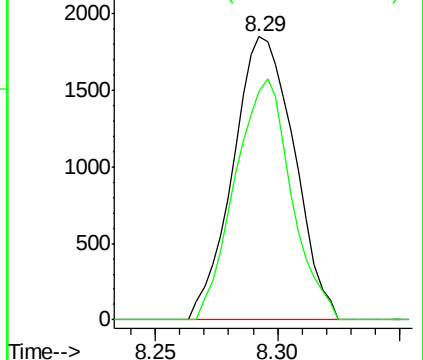


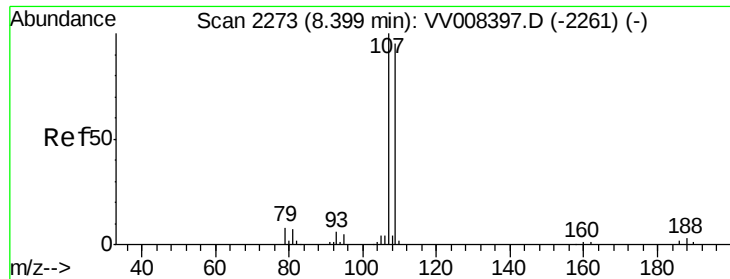
#49
Dibromochloromethane
Concen: 2.154 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008402.D
Acq: 24 Oct 2018 19:24

Tgt Ion: 129 Resp: 3224
Ion Ratio Lower Upper
129 100
127 80.6 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008402.D (-2147) (-)
Ion 127.00 (126.70 to 127.70): VV008402.D (-2147) (-)

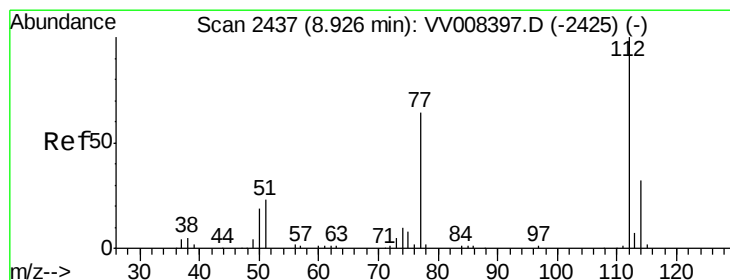
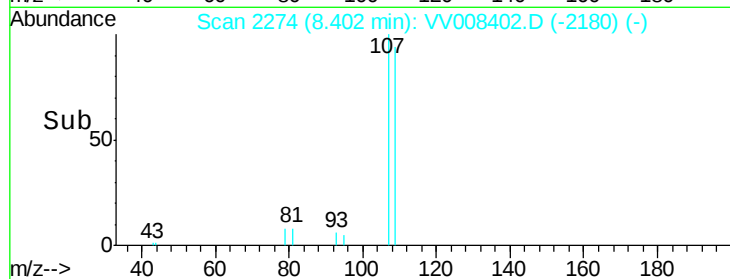
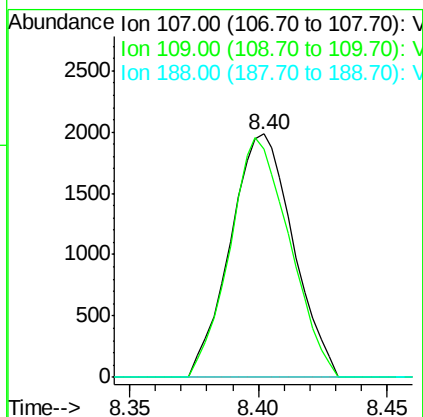
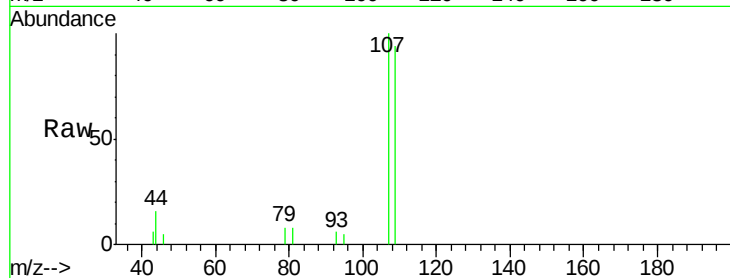




#50
 1,2-Dibromoethane
 Concen: 2.305 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

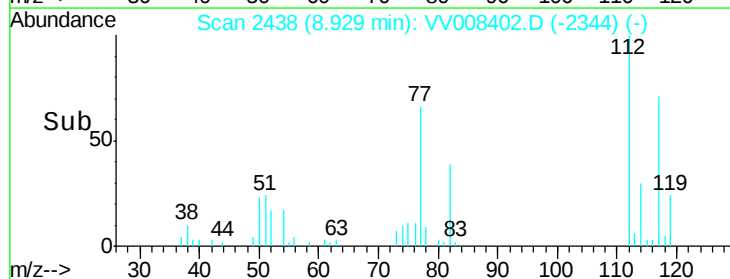
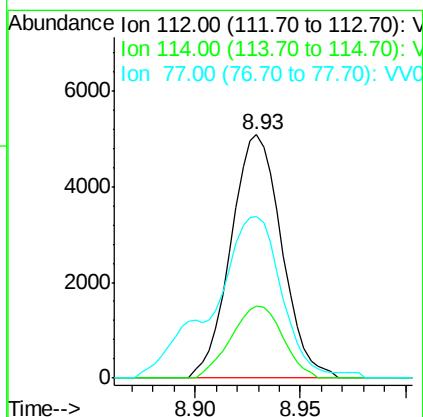
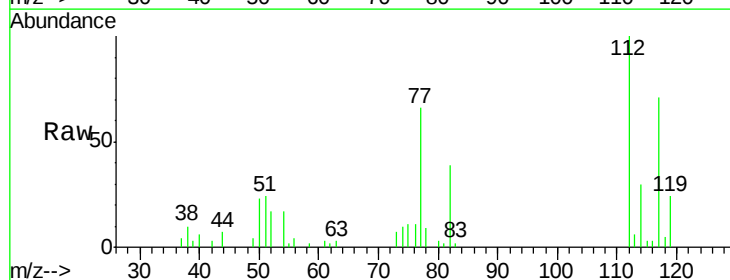
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

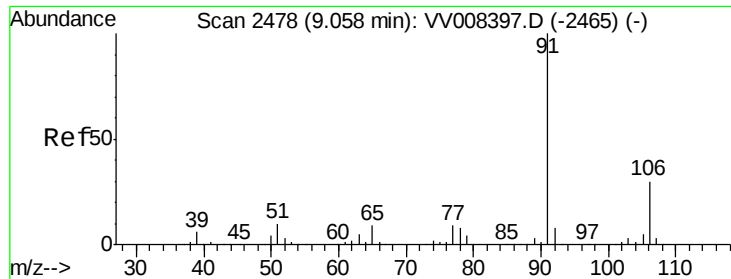
Tgt Ion:107 Resp: 3369
 Ion Ratio Lower Upper
 107 100
 109 93.6 65.2 121.2
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 2.333 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion:112 Resp: 8512
 Ion Ratio Lower Upper
 112 100
 114 29.9 22.5 41.7
 77 66.4 52.0 78.0





#52

Ethylbenzene

Concen: 2.273 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampled :

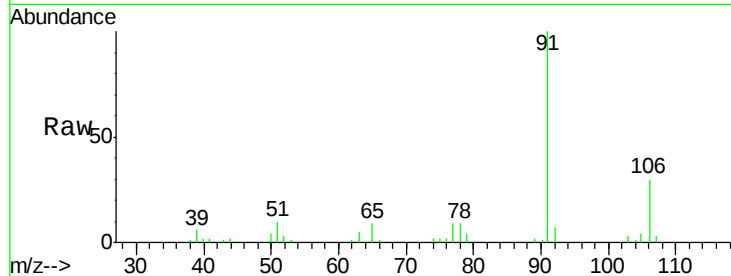
MDL04

Tgt Ion: 91 Resp: 15086

Ion Ratio Lower Upper

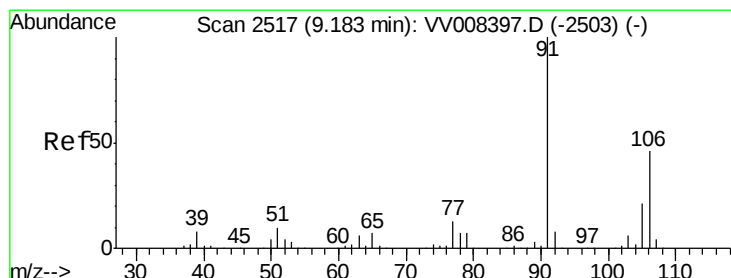
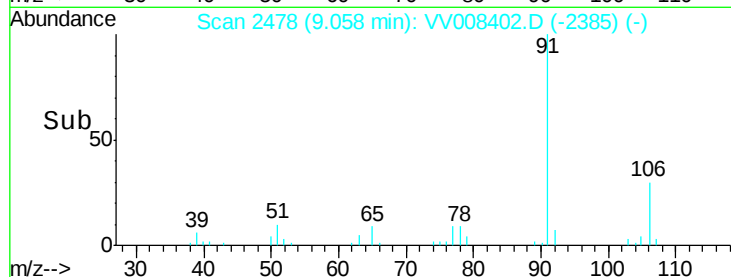
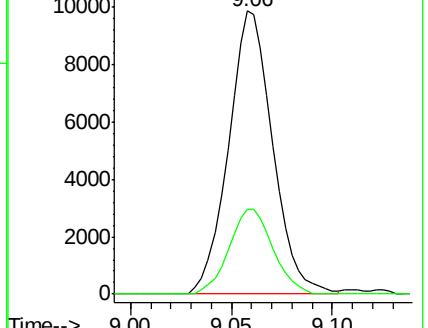
91 100

106 30.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008402.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008402.D (-2385) (-)



#53

m,p-Xylene

Concen: 2.337 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008402.D

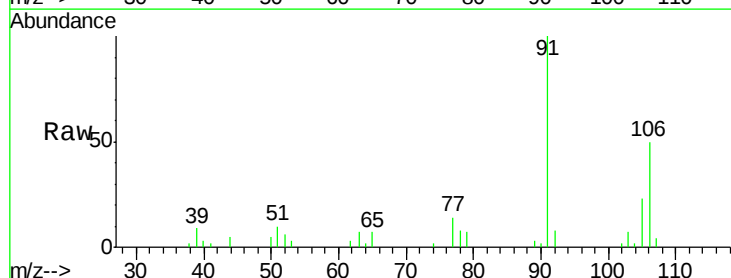
Acq: 24 Oct 2018 19:24

Tgt Ion: 106 Resp: 5667

Ion Ratio Lower Upper

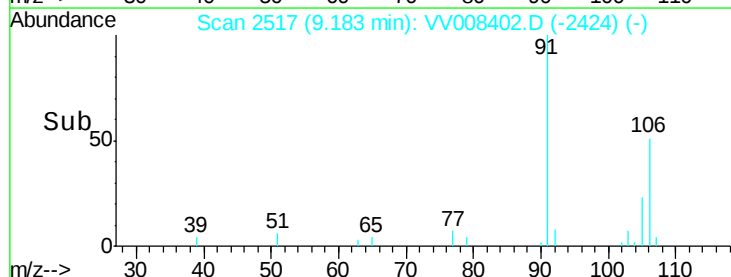
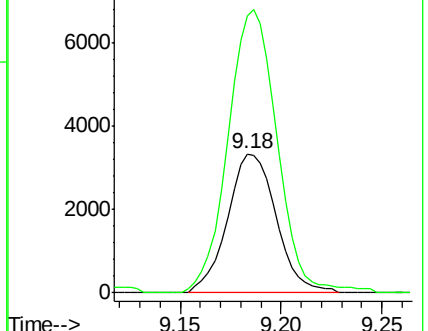
106 100

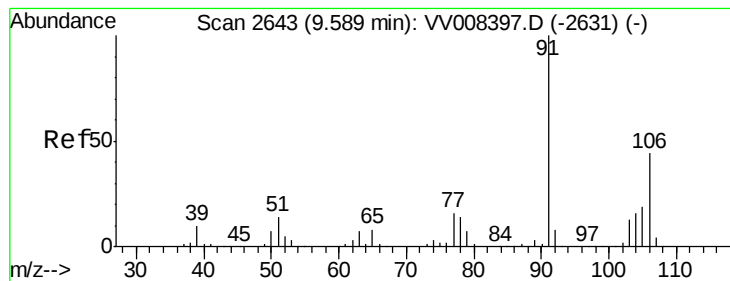
91 198.9 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008402.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008402.D (-2424) (-)





#54

o-xylene

Concen: 2.167 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampled :

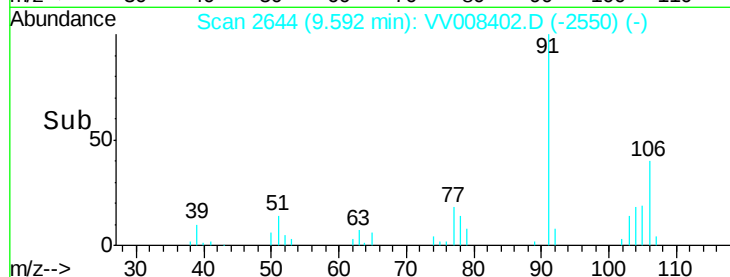
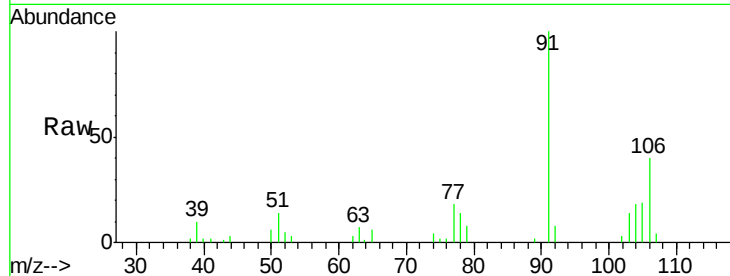
MDL04

Tgt Ion:106 Resp: 5247

Ion Ratio Lower Upper

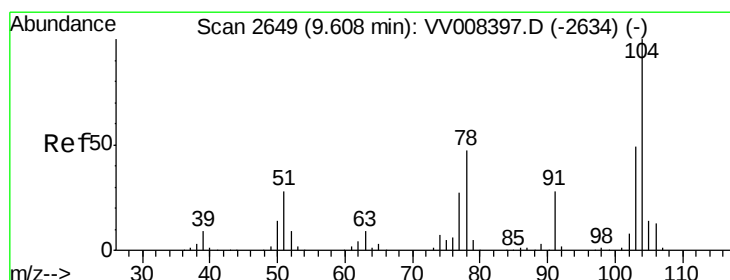
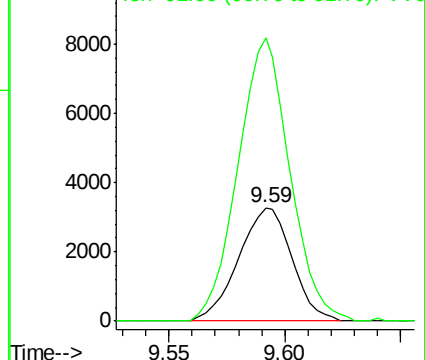
106 100

91 249.1 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.193 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008402.D

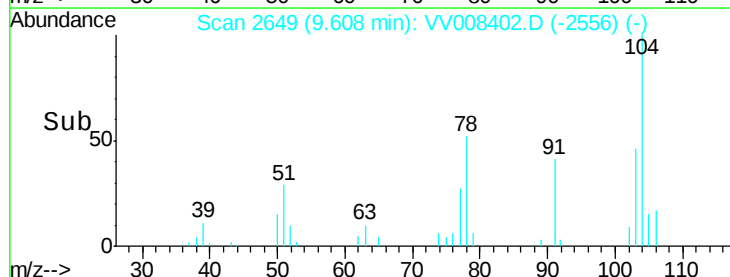
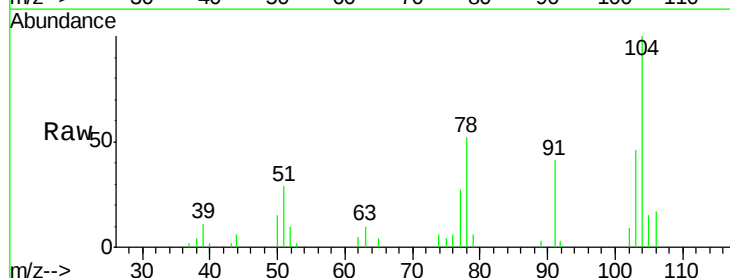
Acq: 24 Oct 2018 19:24

Tgt Ion:104 Resp: 8949

Ion Ratio Lower Upper

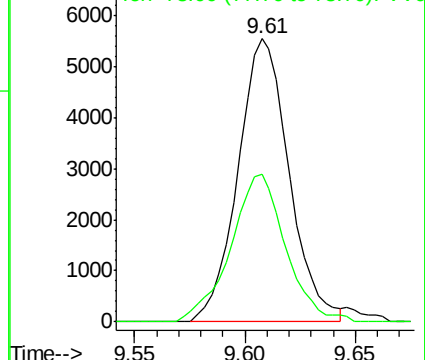
104 100

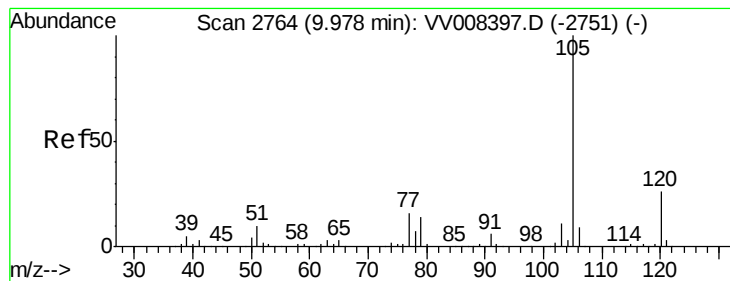
78 52.0 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.134 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

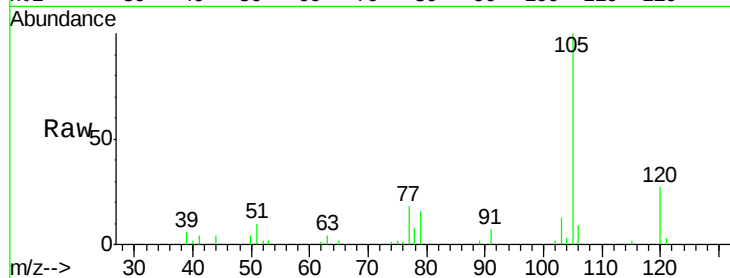
Tgt Ion: 105 Resp: 13524

Ion Ratio Lower Upper

105 100

120 24.7 20.7 31.1

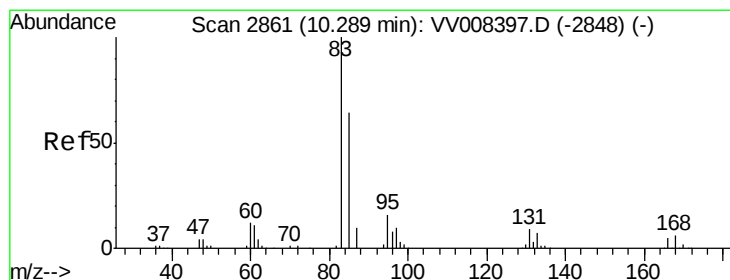
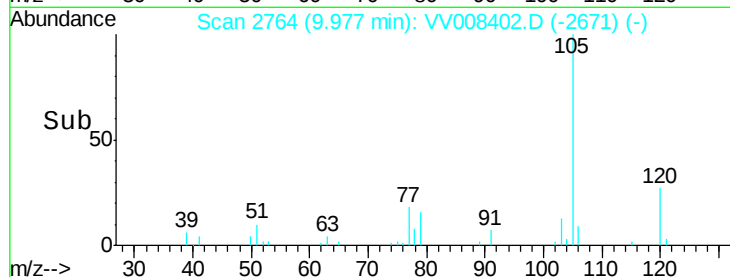
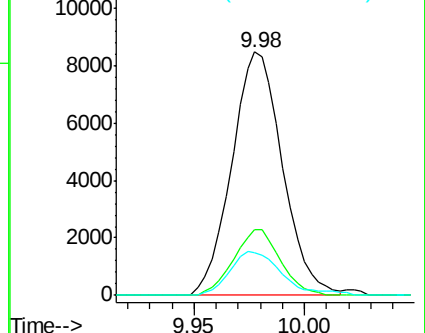
77 18.5 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.510 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

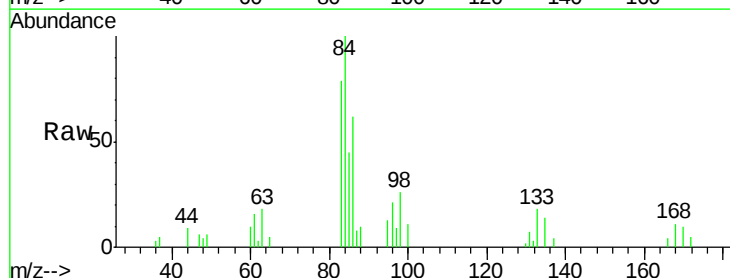
Tgt Ion: 83 Resp: 6124

Ion Ratio Lower Upper

83 100

85 57.2 45.8 85.2

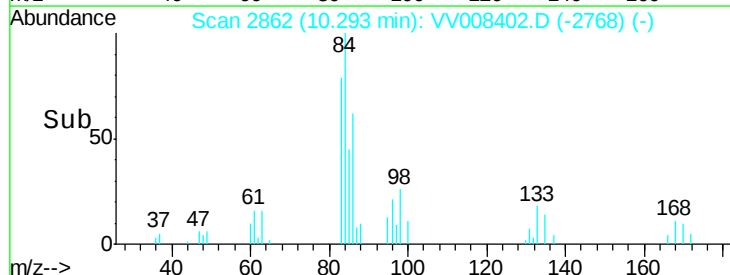
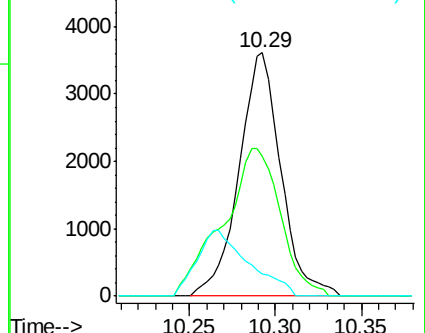
131 9.2 7.3 10.9

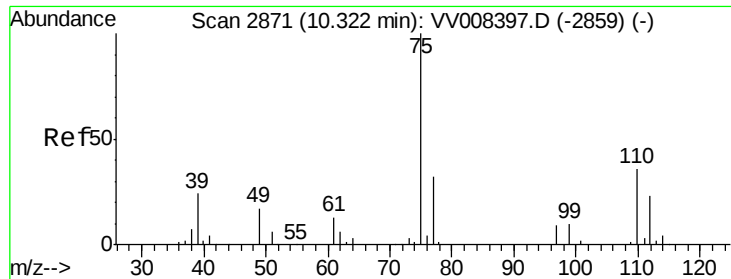


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

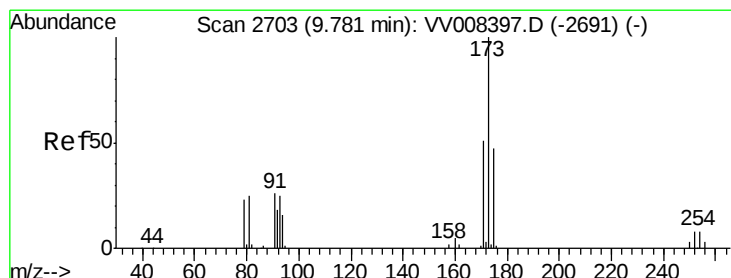
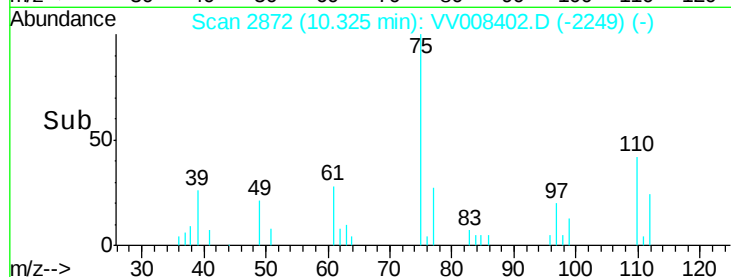
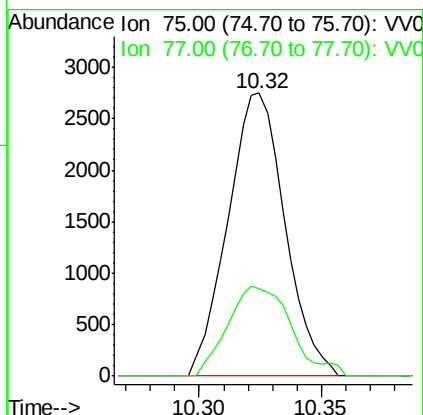
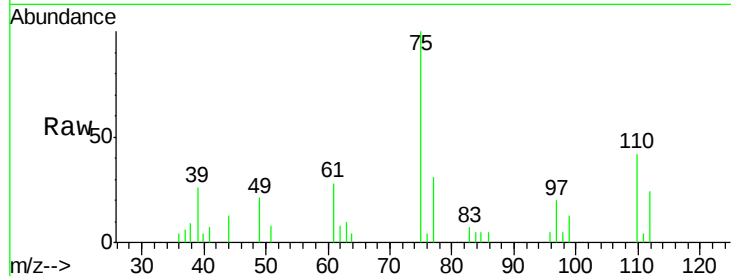




#59
 1,2,3-Trichloropropane
 Concen: 2.260 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

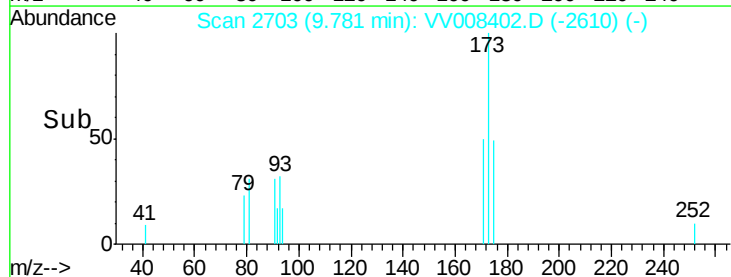
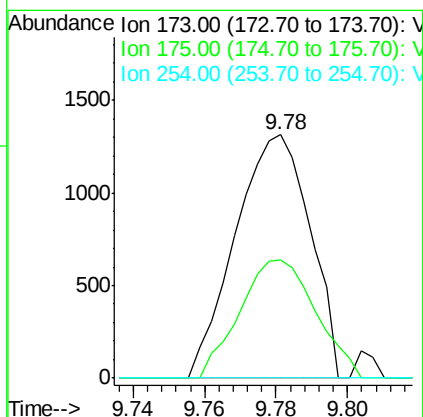
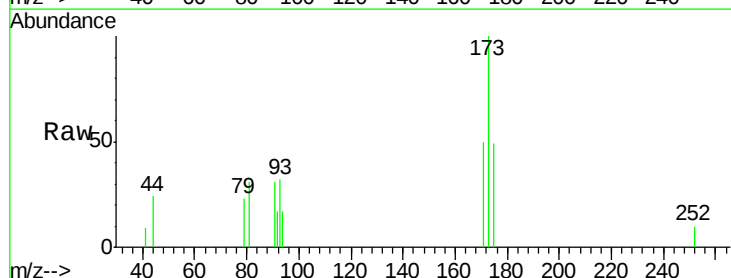
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

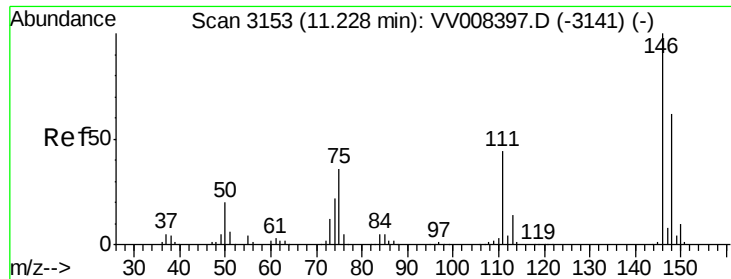
Tgt Ion: 75 Resp: 4463
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.8 38.8



#61
 Bromoform
 Concen: 2.050 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion: 173 Resp: 1898
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.6 57.8
 254 0.0 5.9 8.9#

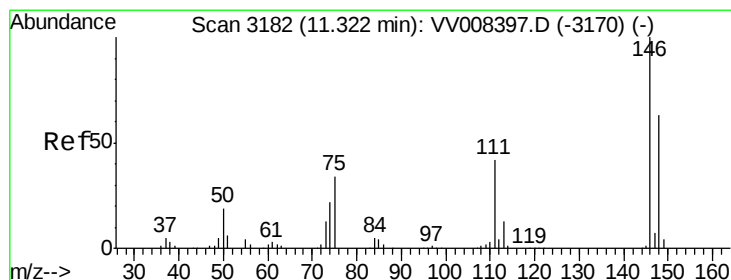
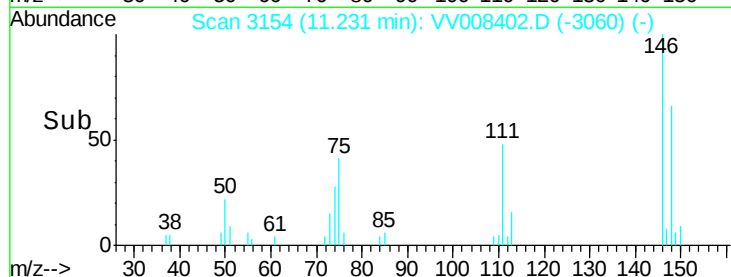
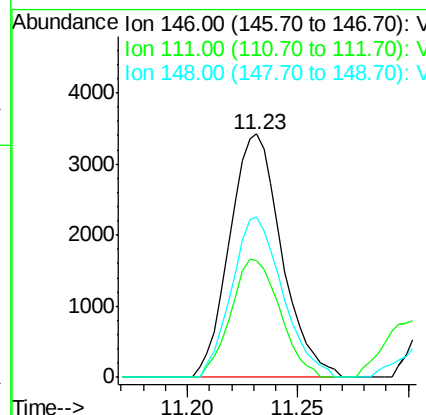
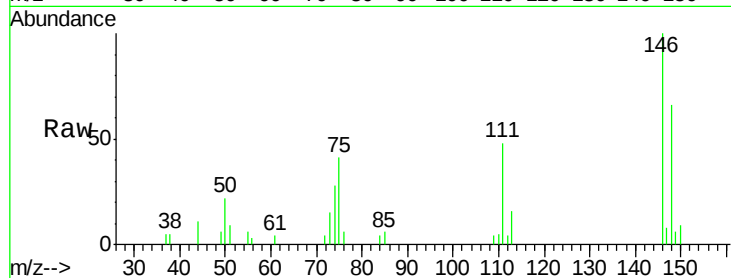




#62
 1,3-Dichlorobenzene
 Concen: 2.305 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

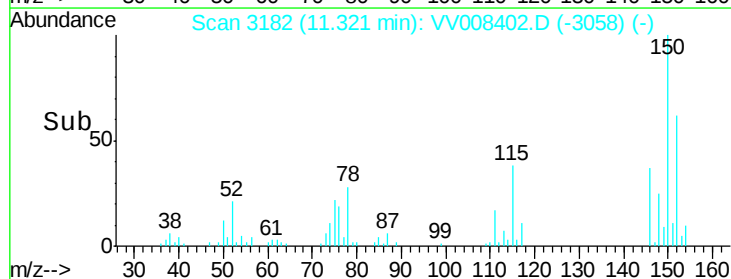
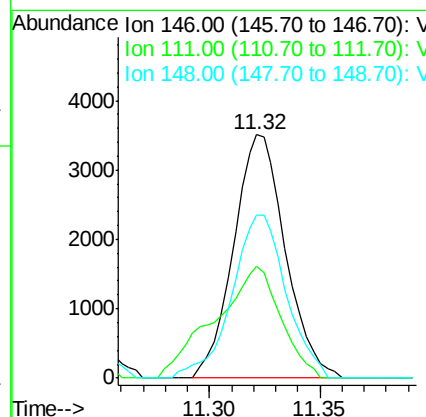
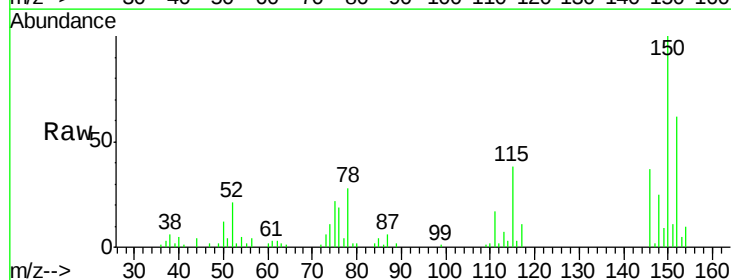
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

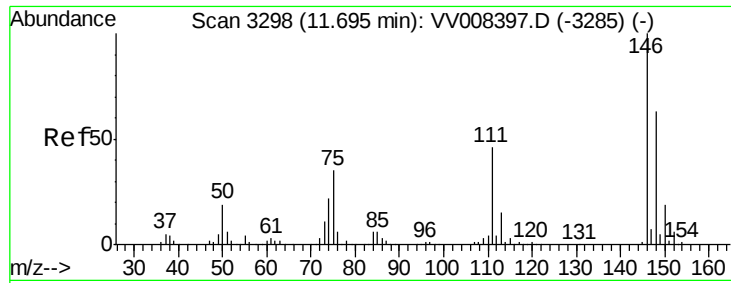
Tgt Ion:146 Resp: 5591
 Ion Ratio Lower Upper
 146 100
 111 48.1 30.9 57.3
 148 65.7 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 2.345 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion:146 Resp: 5702
 Ion Ratio Lower Upper
 146 100
 111 46.1 29.8 55.4
 148 67.1 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 2.472 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

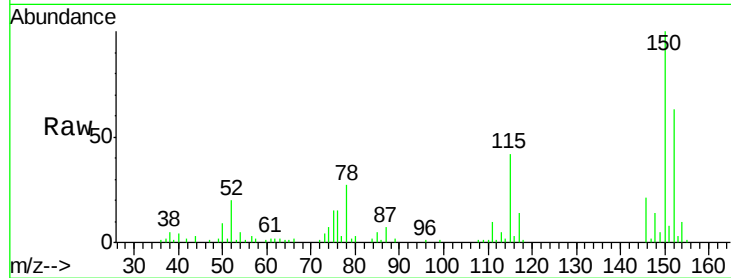
Tgt Ion: 146 Resp: 6115

Ion Ratio Lower Upper

146 100

111 47.9 36.2 54.2

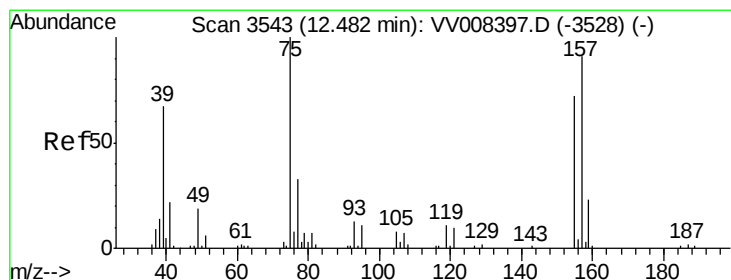
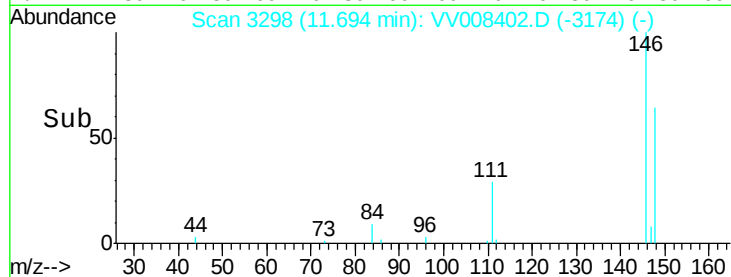
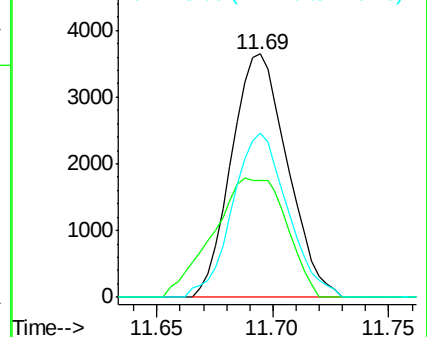
148 67.6 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.212 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

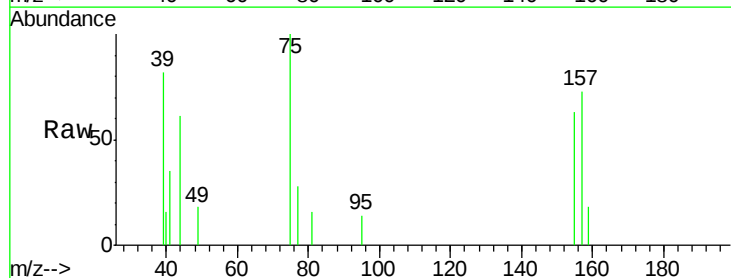
Tgt Ion: 75 Resp: 1125

Ion Ratio Lower Upper

75 100

155 62.6 55.4 83.0

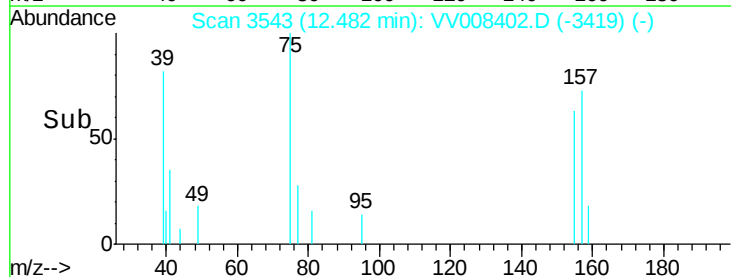
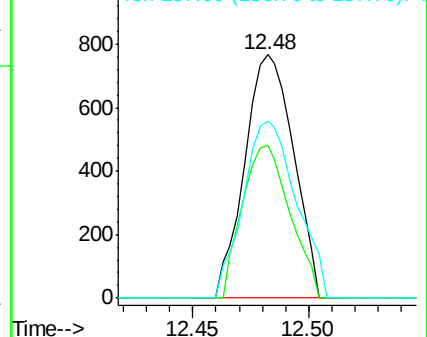
157 72.6 72.8 109.2#

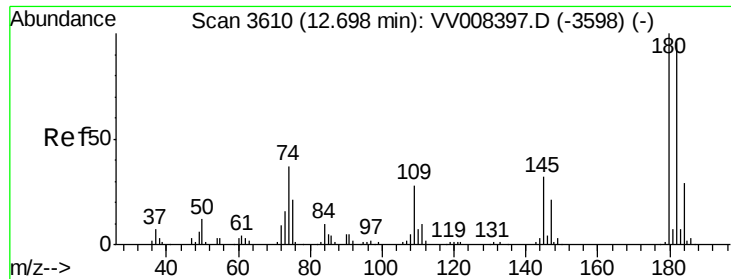


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

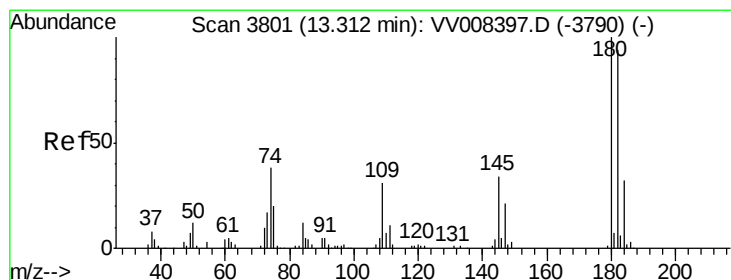
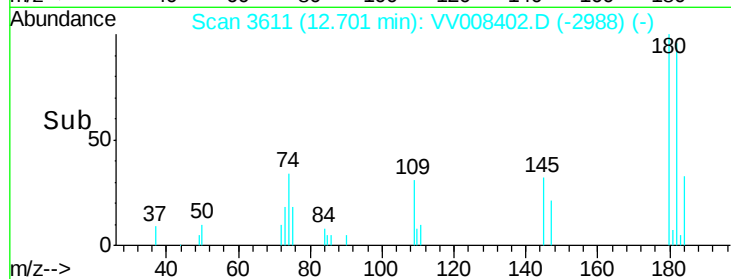
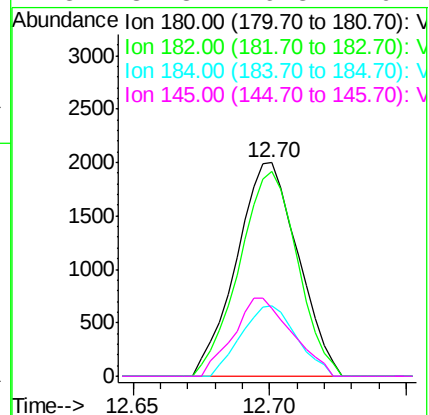
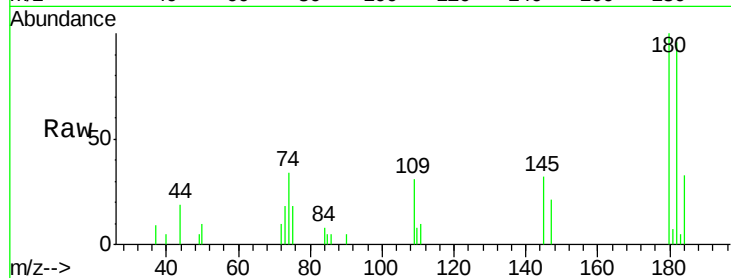




#67
 1,3,5-Trichlorobenzene
 Concen: 1.971 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

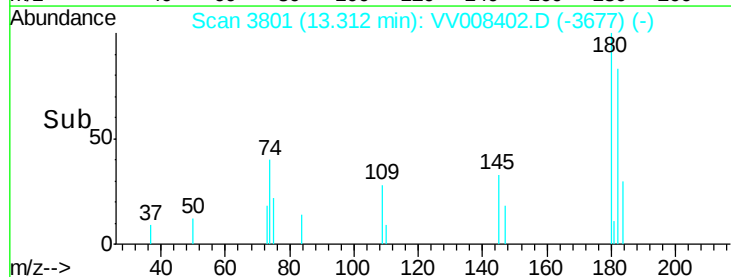
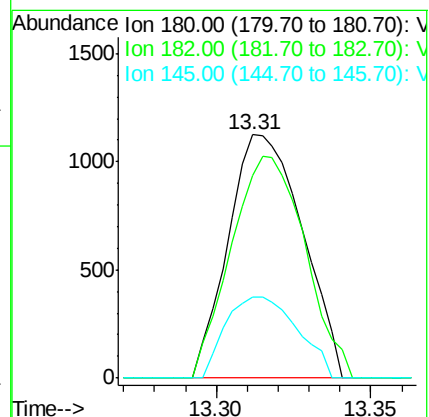
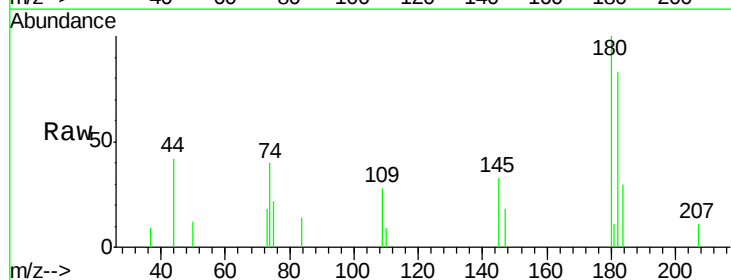
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

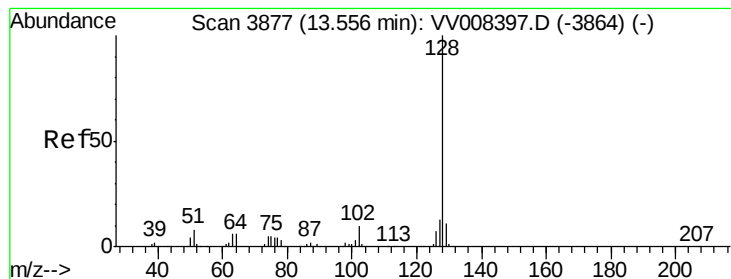
Tgt Ion:180 Resp: 3123
 Ion Ratio Lower Upper
 180 100
 182 90.8 75.9 113.9
 184 29.9 24.1 36.1
 145 34.8 26.8 40.2



#68
 1,2,4-trichlorobenzene
 Concen: 1.463 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008402.D
 Acq: 24 Oct 2018 19:24

Tgt Ion:180 Resp: 1875
 Ion Ratio Lower Upper
 180 100
 182 90.8 75.4 113.2
 145 32.3 27.0 40.6





#69

Naphthalene

Concen: 1.268 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

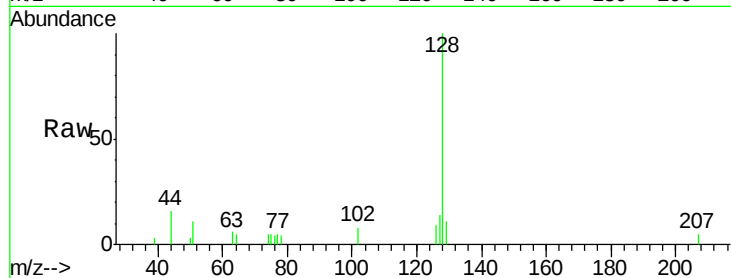
Tgt Ion:128 Resp: 5257

Ion Ratio Lower Upper

128 100

127 11.5 10.6 15.8

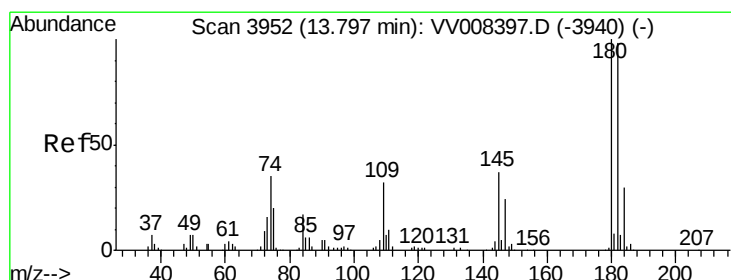
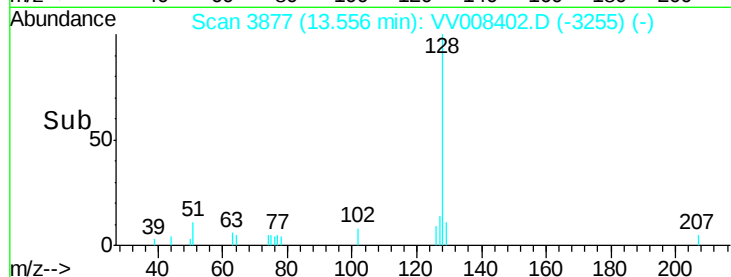
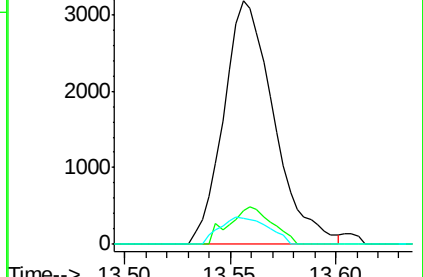
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.440 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008402.D

Acq: 24 Oct 2018 19:24

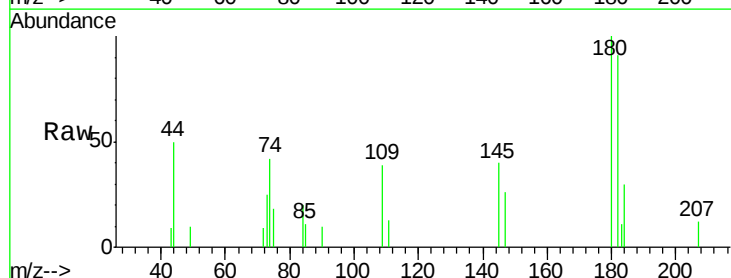
Tgt Ion:180 Resp: 1845

Ion Ratio Lower Upper

180 100

182 92.8 75.7 113.5

145 38.6 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

