

Data File : VV008393.D
Acq On : 24 Oct 2018 15:26
Operator : SY/MD
Sample : MDL04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Oct 25 08:52:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	192133	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173505	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75398	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45073	42.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.74%
7) Chloroethane-d5	1.57	69	37039	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.13	63	67447	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	3.94	46	115535	99.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.93%
24) Chloroform-d	4.41	84	121297	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
26) 1,2-Dichloroethane-d4	5.09	65	84153	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
32) Benzene-d6	5.10	84	242945	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.12	67	83898	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	7.36	98	217622	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%
43) trans-1,3-Dichloropropene-	7.67	79	40786	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.84%
47) 2-Hexanone-d5	8.13	63	90561	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115047	49.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	75417	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3079	2.244 ug/L	98
3) Chloromethane	1.25	50	3258	2.217 ug/L	97
5) Vinyl chloride	1.32	62	2966	2.178 ug/L #	66
6) Bromomethane	1.52	94	1026	2.746 ug/L	91
8) Chloroethane	1.59	64	1476	2.063 ug/L	99
9) Trichlorofluoromethane	1.76	101	3882	2.215 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2441	2.666 ug/L	88
12) 1,1-Dichloroethene	2.14	96	2459	2.852 ug/L #	1
13) Acetone	2.20	43	4841	5.395 ug/L	97
14) Carbon disulfide	2.32	76	9280	2.390 ug/L #	93
15) Methyl Acetate	2.46	43	4518	2.525 ug/L	95
16) Methylene chloride	2.54	84	3635	2.435 ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	3058	2.327 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	10666	2.268 ug/L #	93
19) 1,1-Dichloroethane	3.23	63	5917	2.183 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3336	2.228 ug/L	96
22) 2-Butanone	4.04	43	4670	3.603 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1476	2.091	ug/L	95
25) Chloroform	4.44	83	6691	2.529	ug/L	99
27) 1,2-Dichloroethane	5.19	62	5256	2.378	ug/L	100
29) Cyclohexane	4.73	56	5908	2.339	ug/L #	89
30) 1,1,1-Trichloroethane	4.66	97	5218	2.319	ug/L	96
31) Carbon tetrachloride	4.88	117	4176	2.187	ug/L	91
33) Benzene	5.15	78	13315	2.348	ug/L	100
34) Trichloroethene	5.96	95	3383	2.330	ug/L	97
35) Methylcyclohexane	6.18	83	5562	2.253	ug/L	99
37) 1,2-Dichloropropane	6.23	63	3727	2.379	ug/L #	93
38) Bromodichloromethane	6.56	83	4422	2.215	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	5582	2.267	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10373	4.472	ug/L	99
42) Toluene	7.44	91	13265	2.252	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	5356	2.325	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3060	2.209	ug/L	95
46) Tetrachloroethene	8.02	164	2036	2.151	ug/L	94
48) 2-Hexanone	8.19	43	9290	5.191	ug/L	92
49) Dibromochloromethane	8.30	129	3183	2.139	ug/L	93
50) 1,2-Dibromoethane	8.41	107	3277	2.256	ug/L #	96
51) Chlorobenzene	8.93	112	7901	2.178	ug/L	98
52) Ethylbenzene	9.06	91	14793	2.242	ug/L	96
53) m,p-Xylene	9.19	106	5509	2.285	ug/L	94
54) o-xylene	9.59	106	5121	2.127	ug/L	95
55) Styrene	9.61	104	8826	2.176	ug/L	98
56) Isopropylbenzene	9.98	105	13480	2.140	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	5830	2.404	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	4634	2.361	ug/L	100
61) Bromoform	9.78	173	2054	2.159	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	5567	2.233	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	5982	2.394	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	5965	2.347	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1154	2.208	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	3263	2.005	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	2100	1.595	ug/L	98
69) Naphthalene	13.56	128	5575	1.309	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	2023	1.537	ug/L	97

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

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Instrument :
MSVOA_V
ClientSampleId :
MDL04

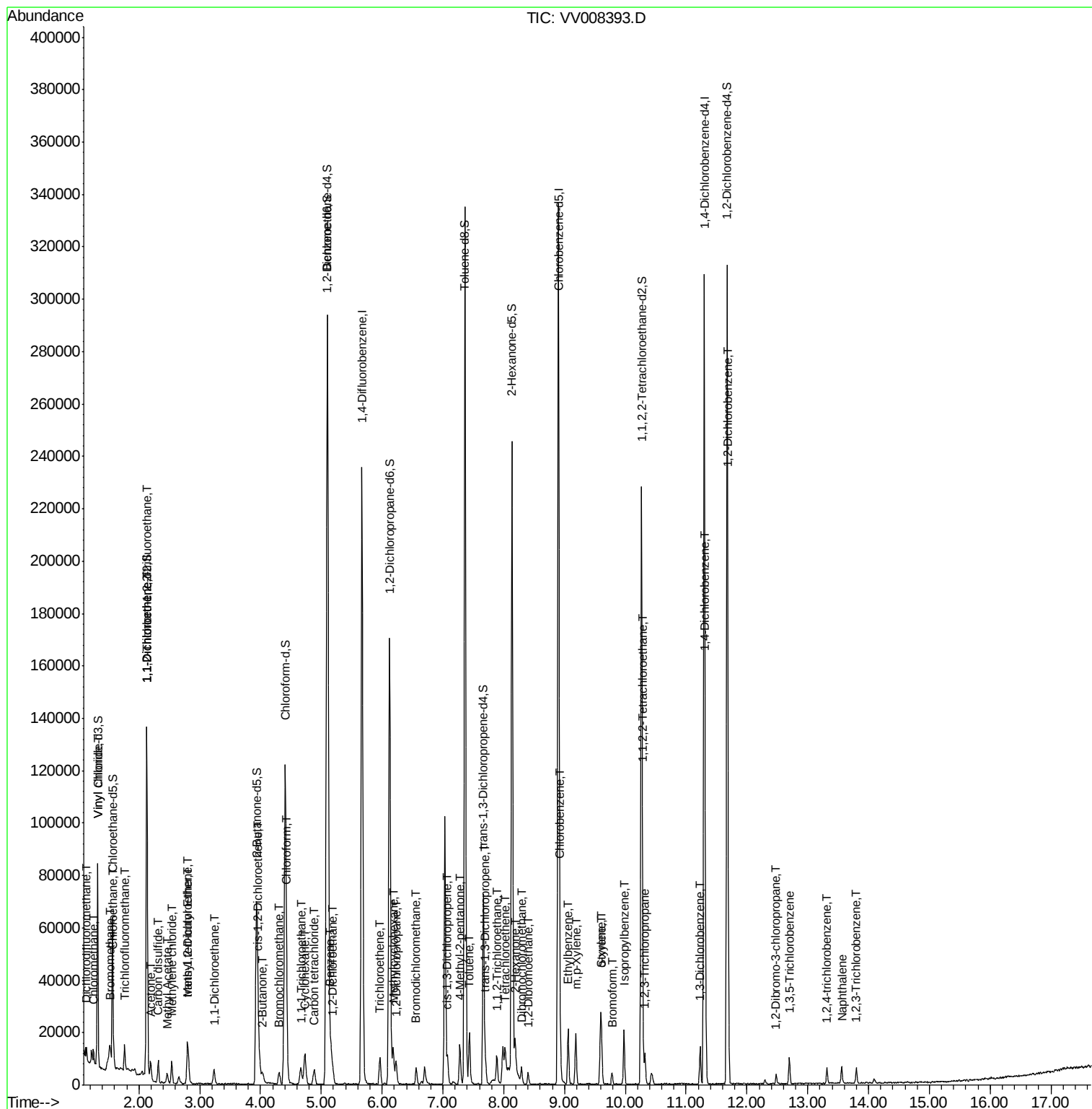
Quant Time: Oct 25 08:52:22 2018

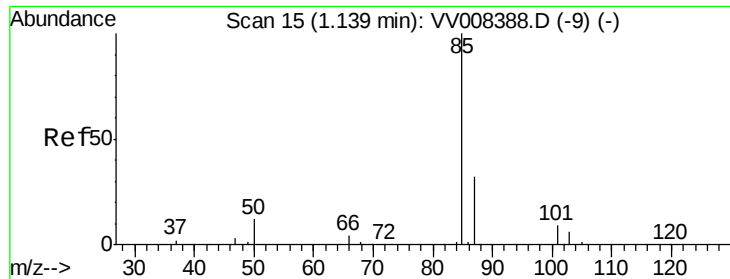
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM102318WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 25 08:48:14 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.244 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

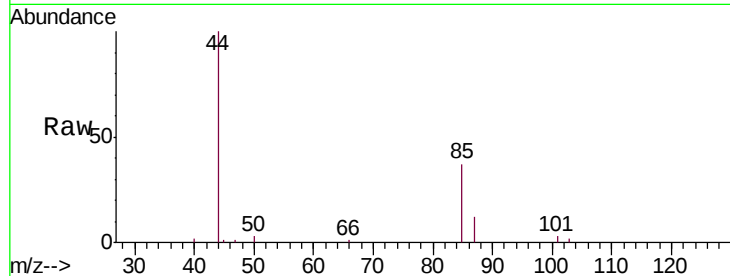
MDL04

Tgt Ion: 85 Resp: 3079

Ion Ratio Lower Upper

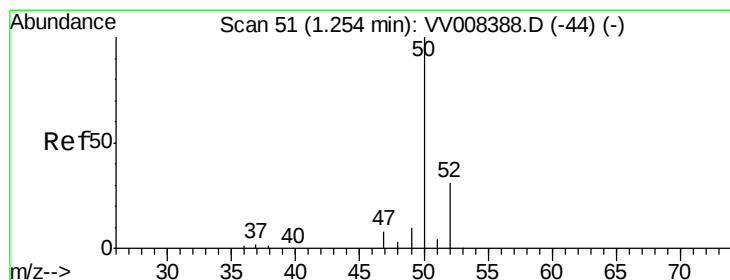
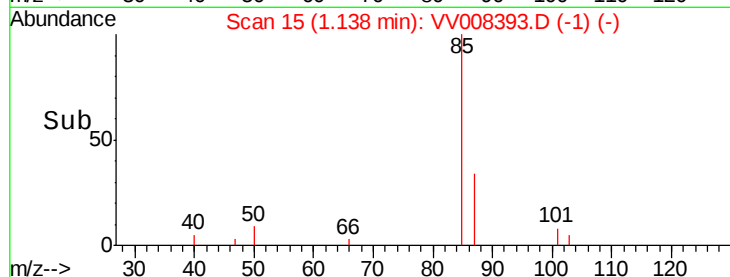
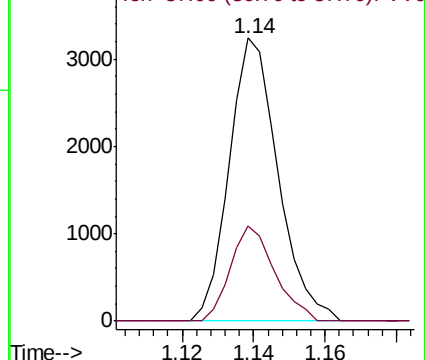
85 100

87 30.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008393.D (-1) (-)



#3

Chloromethane

Concen: 2.217 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008393.D

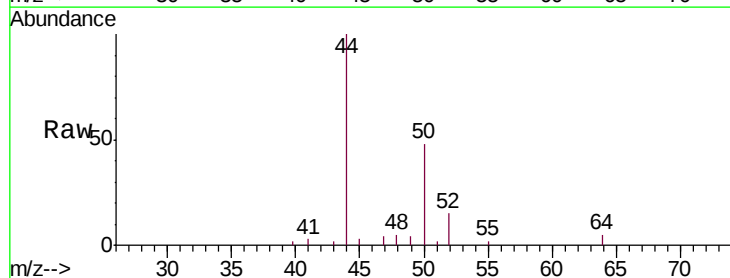
Acq: 24 Oct 2018 15:26

Tgt Ion: 50 Resp: 3258

Ion Ratio Lower Upper

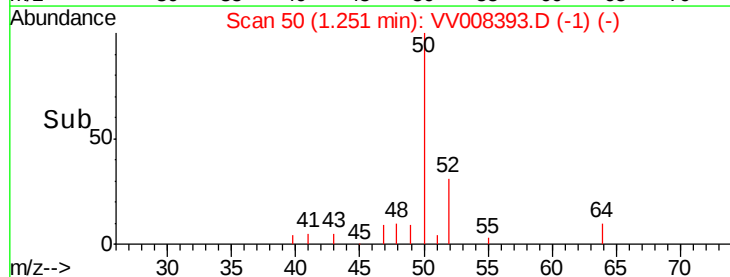
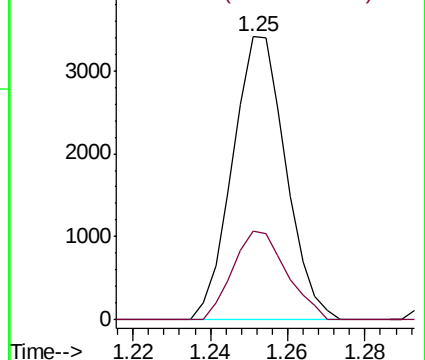
50 100

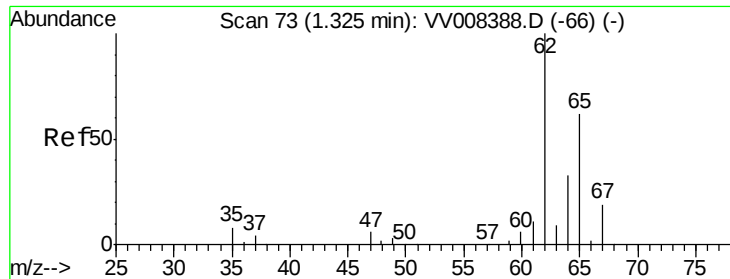
52 31.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008393.D (-1) (-)





#5

Vinyl chloride

Concen: 2.178 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampled :

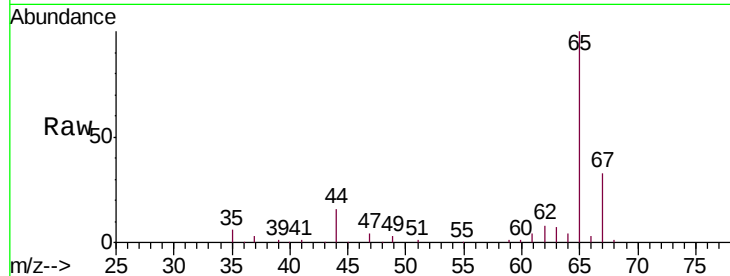
MDL04

Tgt Ion: 62 Resp: 2966

Ion Ratio Lower Upper

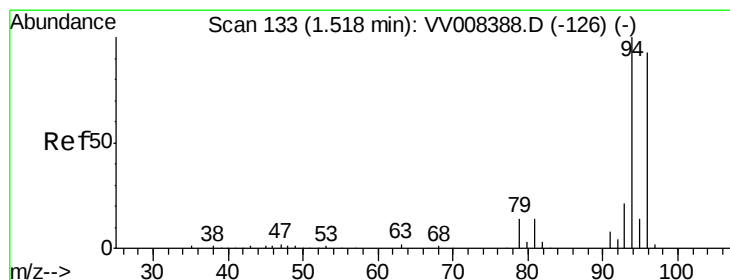
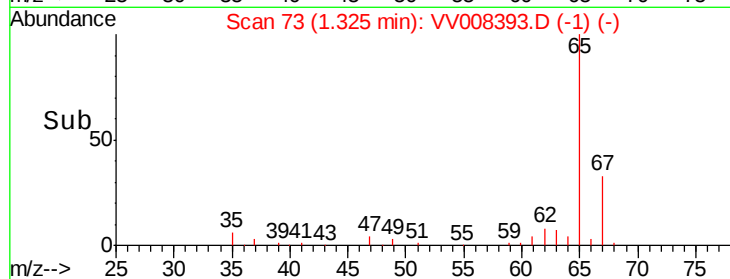
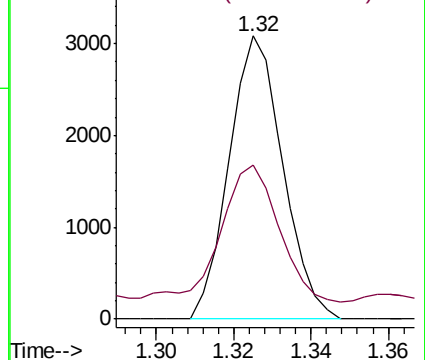
62 100

64 54.6 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.746 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008393.D

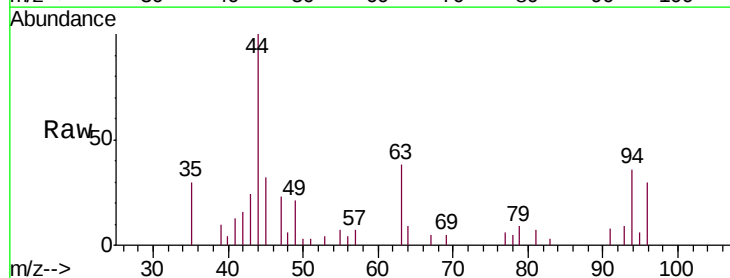
Acq: 24 Oct 2018 15:26

Tgt Ion: 94 Resp: 1026

Ion Ratio Lower Upper

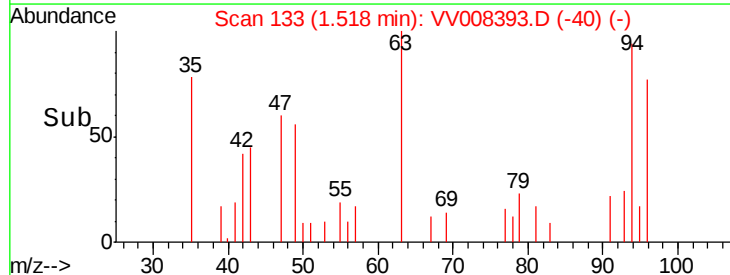
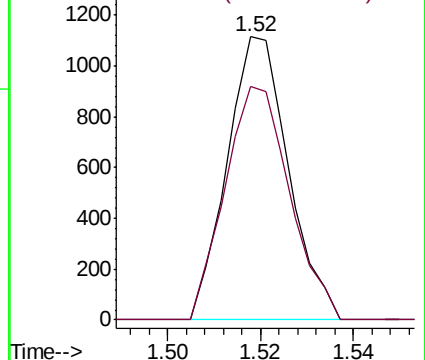
94 100

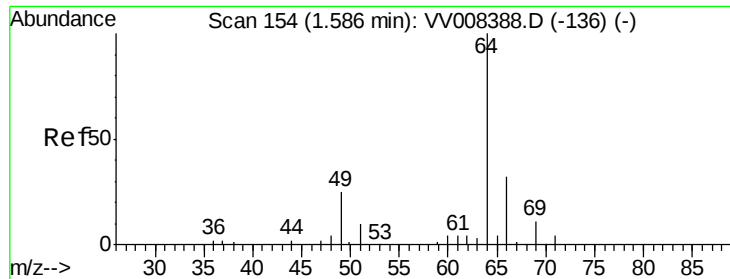
96 82.5 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.063 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

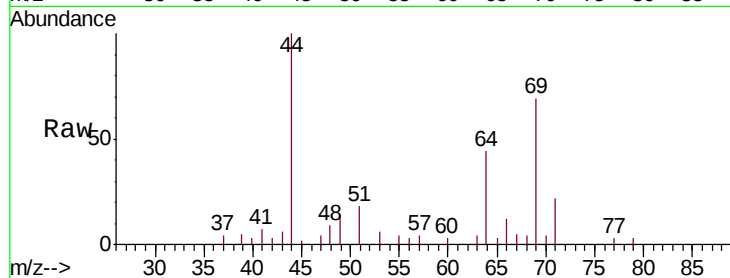
MDL04

Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

64 100

66 28.0 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008388.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VV008388.D (-136) (-)

1.59

1500

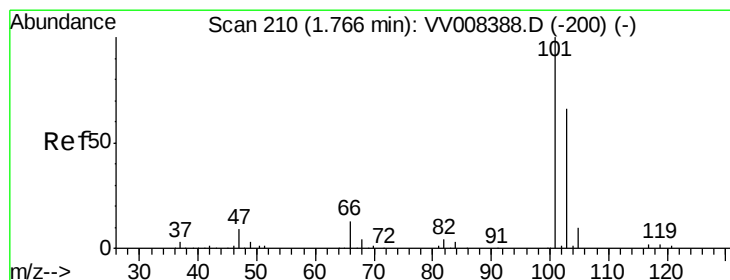
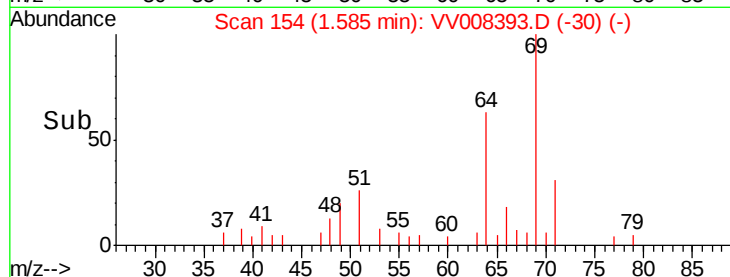
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 2.215 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008393.D

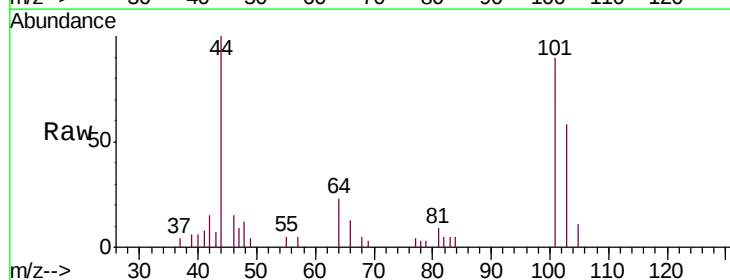
Acq: 24 Oct 2018 15:26

Tgt Ion: 101 Resp: 3882

Ion Ratio Lower Upper

101 100

103 69.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008388.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008388.D (-200) (-)

1.76

3000

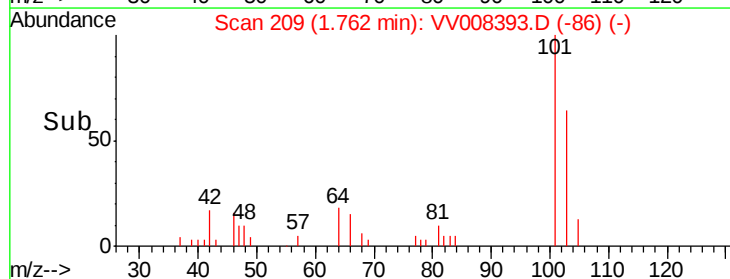
2000

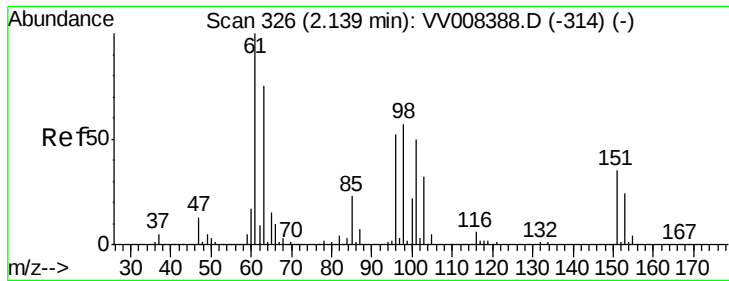
1000

0

1.72 1.74 1.76 1.78 1.80

Time-->





#10

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

Concen: 2.666 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampled :

MDL04

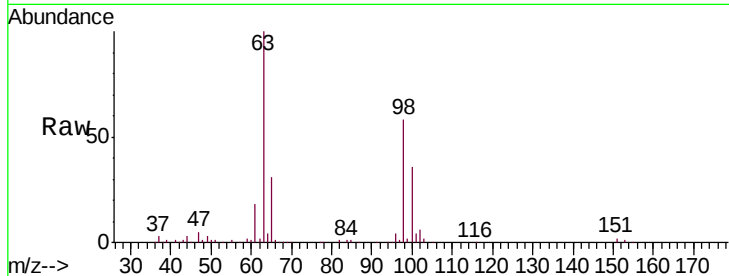
Tgt Ion:101 Resp: 2441

Ion Ratio Lower Upper

101 100

85 41.5 35.6 53.4

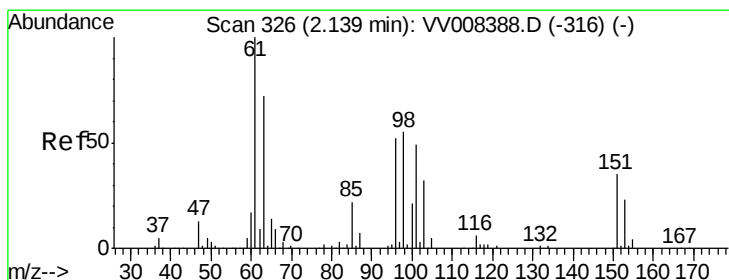
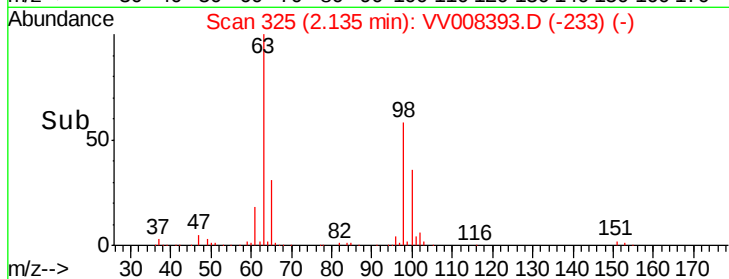
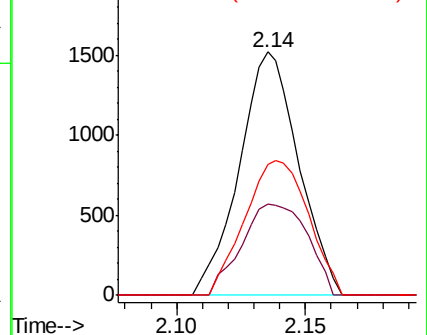
151 59.4 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.852 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

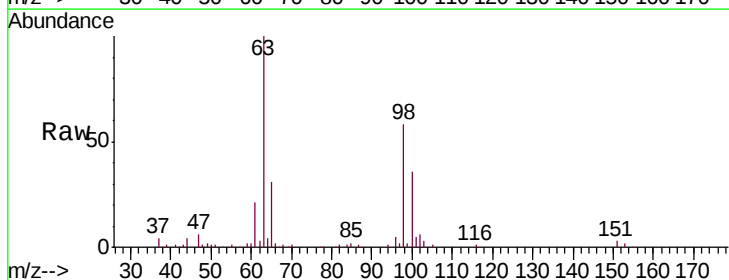
Tgt Ion: 96 Resp: 2459

Ion Ratio Lower Upper

96 100

61 378.5 130.3 242.1#

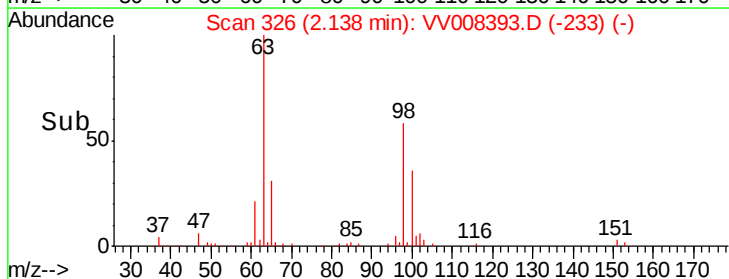
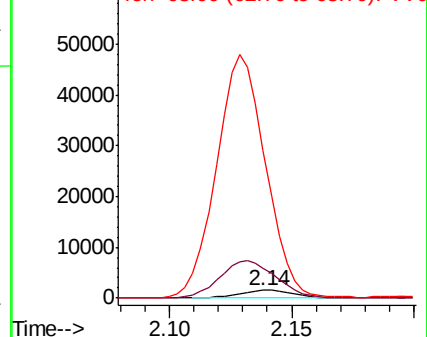
63 1838.2 84.4 156.8#

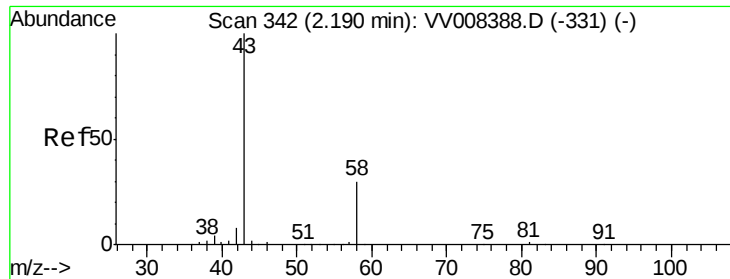


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.395 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

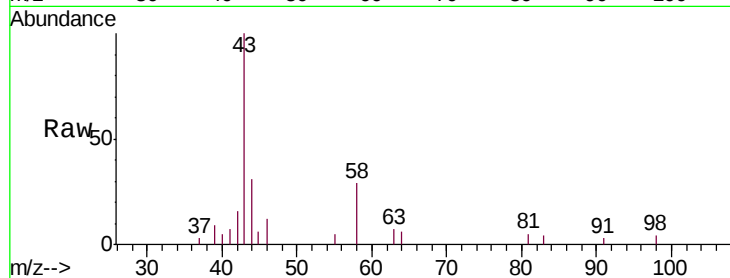
MDL04

Tgt Ion: 43 Resp: 4841

Ion Ratio Lower Upper

43 100

58 29.2 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008388.D (-331) (-)

2.20

3000

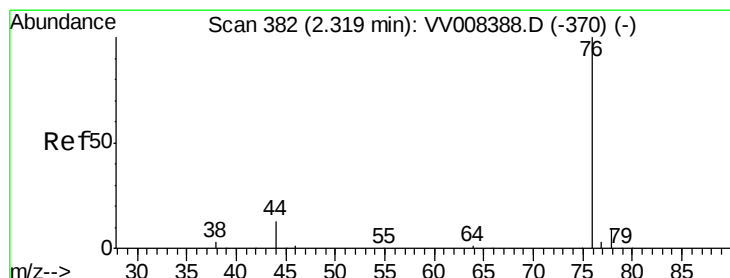
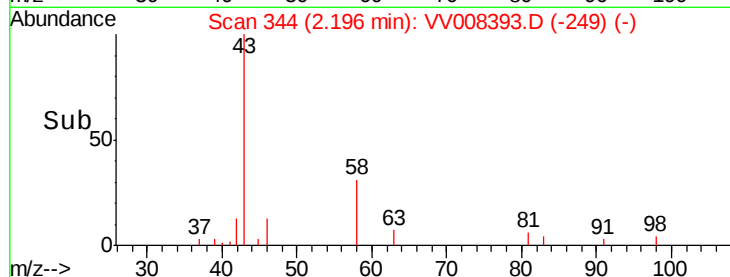
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 2.390 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008393.D

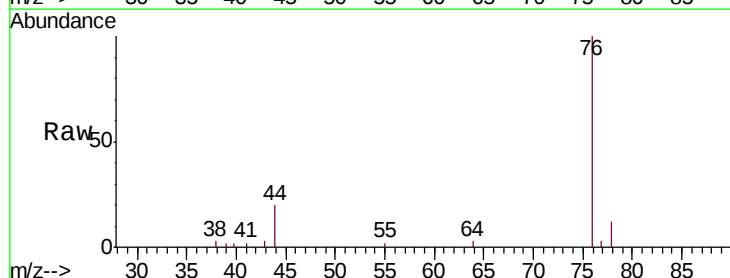
Acq: 24 Oct 2018 15:26

Tgt Ion: 76 Resp: 9280

Ion Ratio Lower Upper

76 100

78 11.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008388.D (-370) (-)

2.32

6000

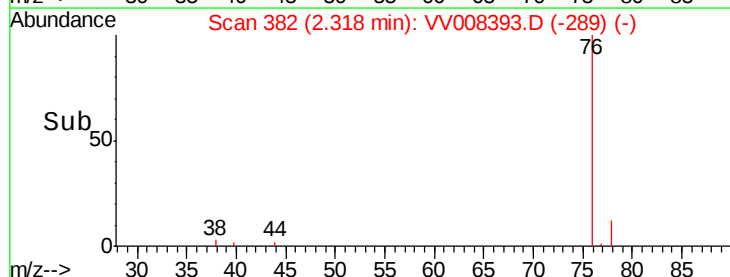
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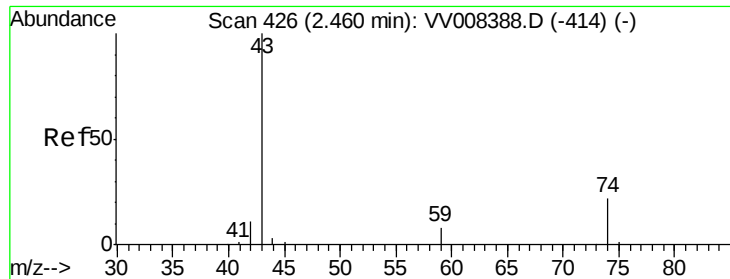
2000

0

Time-->

2.30 2.35

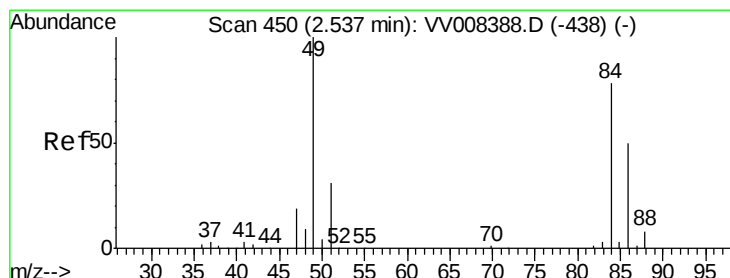
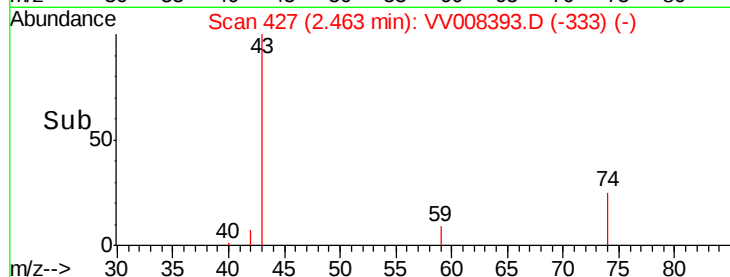
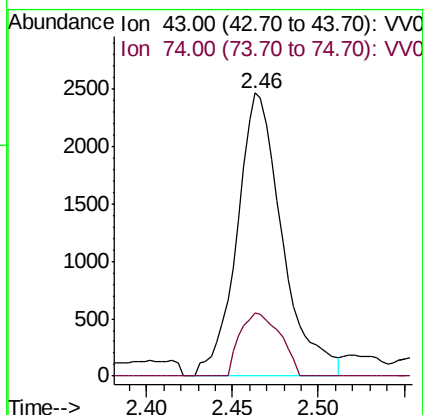
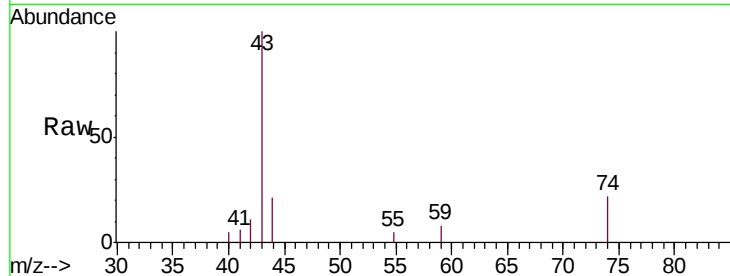




#15
Methyl Acetate
Concen: 2.525 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

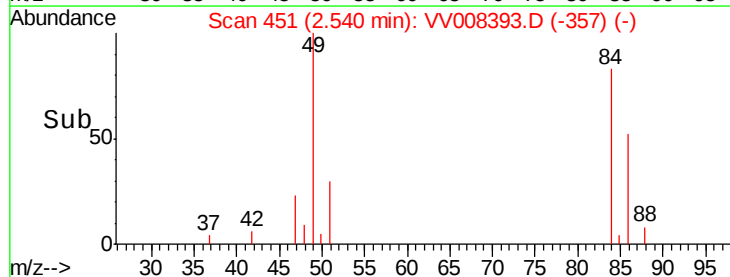
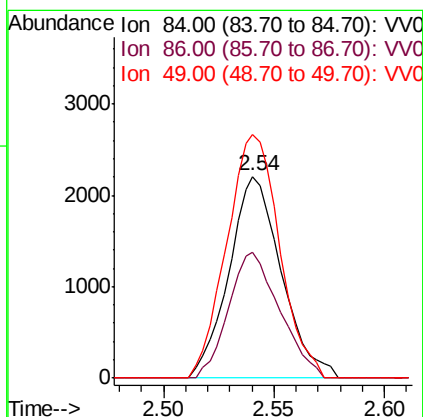
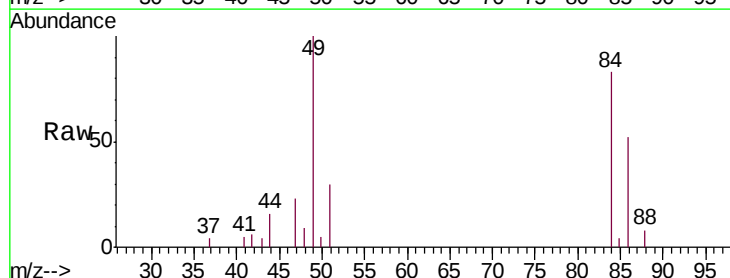
Instrument :
MSVOA_V
ClientSampled :
MDL04

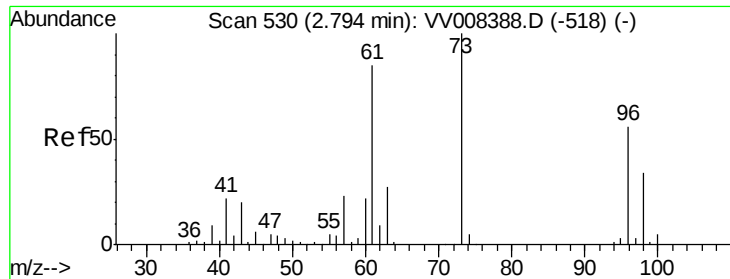
Tgt Ion: 43 Resp: 4518
Ion Ratio Lower Upper
43 100
74 19.9 17.8 26.6



#16
Methylene chloride
Concen: 2.435 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion: 84 Resp: 3635
Ion Ratio Lower Upper
84 100
86 62.5 45.6 84.6
49 120.8 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 2.327 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

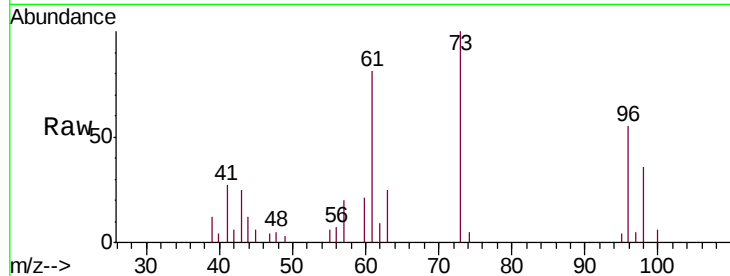
Tgt Ion: 96 Resp: 3058

Ion Ratio Lower Upper

96 100

61 145.9 108.6 201.6

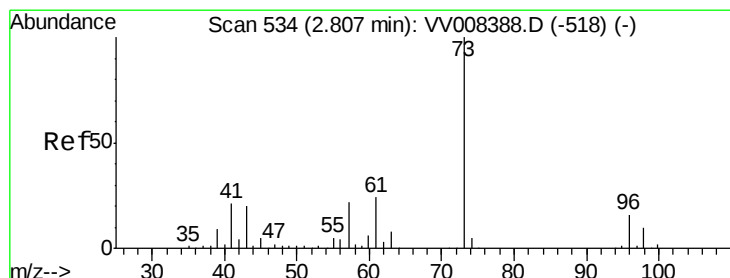
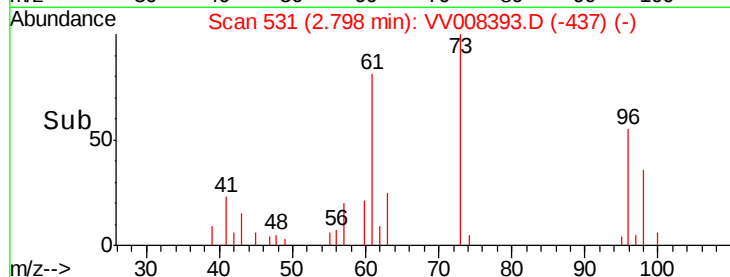
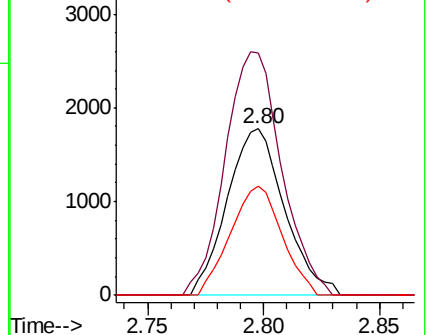
98 65.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008393.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008393.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008393.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 2.268 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

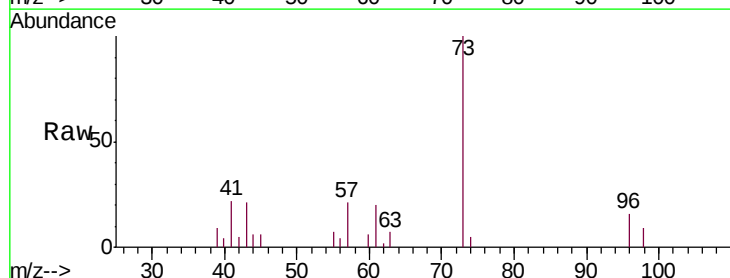
Tgt Ion: 73 Resp: 10666

Ion Ratio Lower Upper

73 100

43 26.7 16.2 24.4#

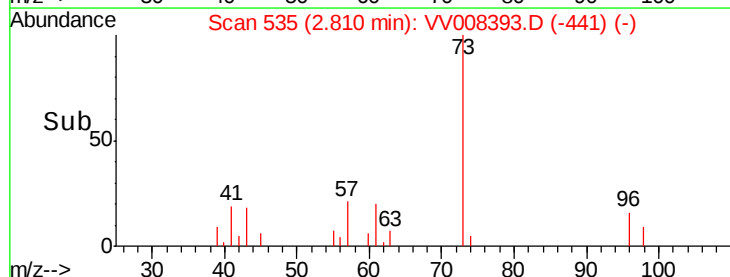
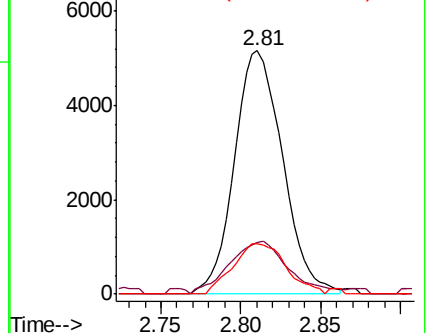
57 22.7 18.2 27.2

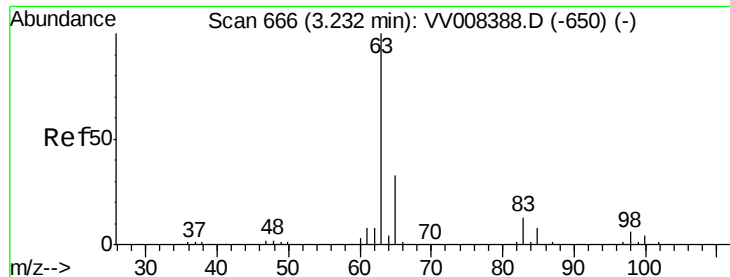


Abundance Ion 73.00 (72.70 to 73.70): VV008393.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008393.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008393.D (-441) (-)

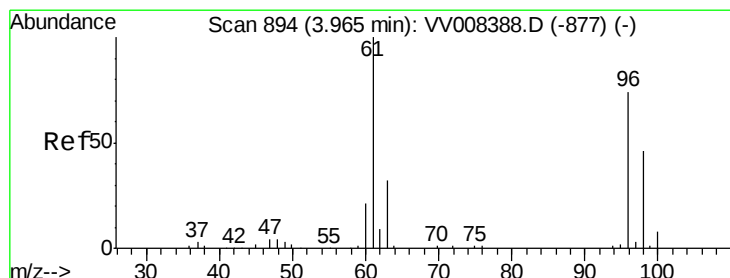
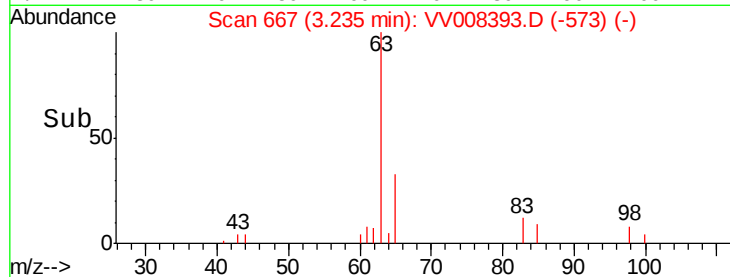
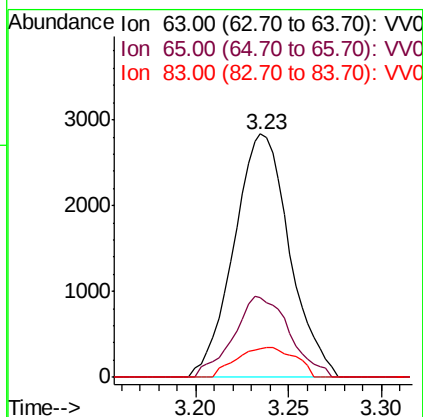
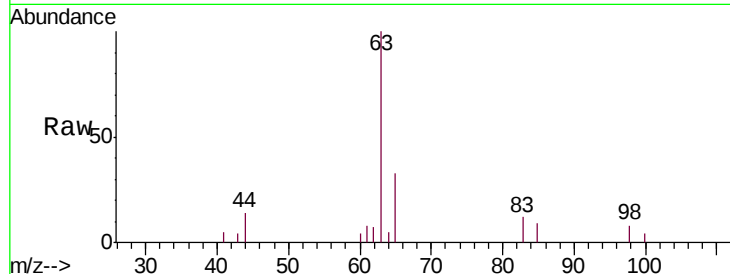




#19
 1,1-Dichloroethane
 Concen: 2.183 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

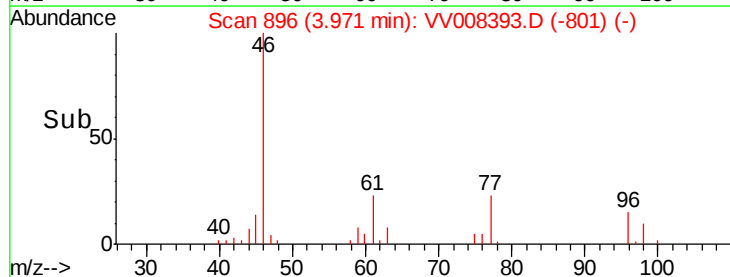
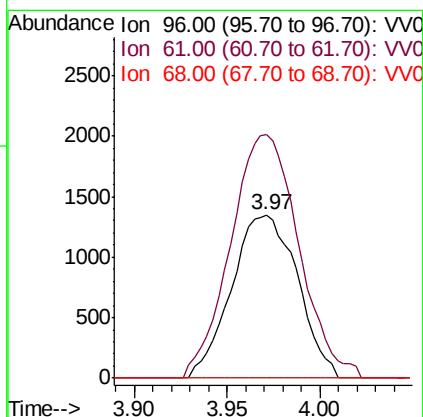
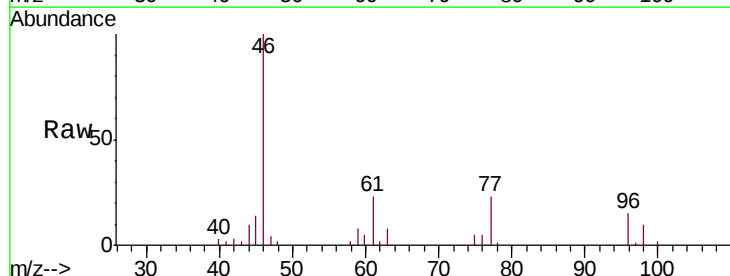
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

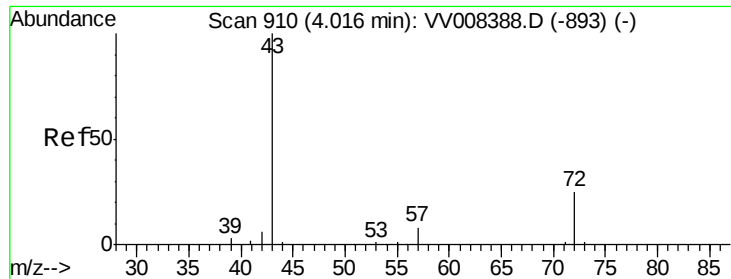
Tgt Ion: 63 Resp: 5917
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.0 40.8
 83 12.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 2.228 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion: 96 Resp: 3336
 Ion Ratio Lower Upper
 96 100
 61 149.2 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.603 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

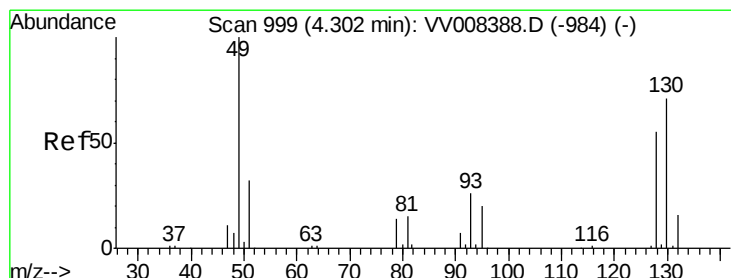
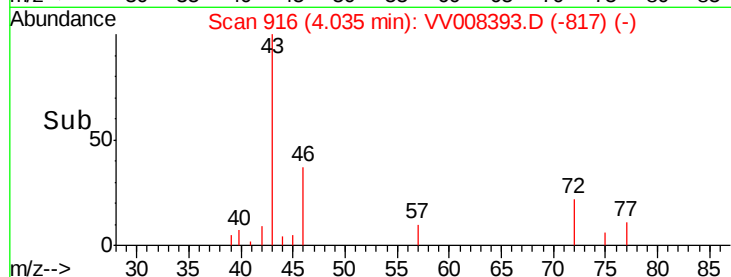
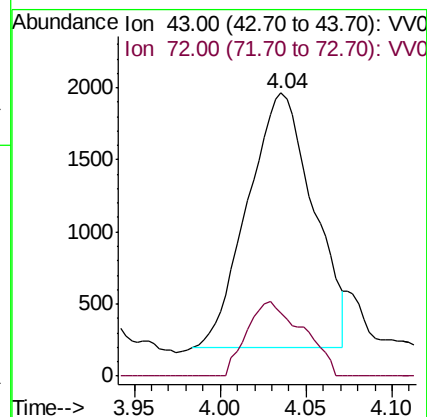
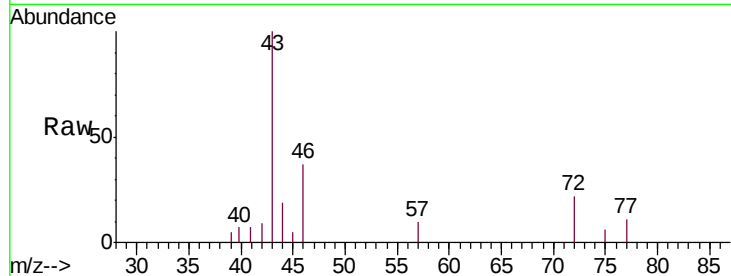
MDL04

Tgt Ion: 43 Resp: 4670

Ion Ratio Lower Upper

43 100

72 25.3 13.0 38.9



#23

Bromochloromethane

Concen: 2.091 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Tgt Ion: 128 Resp: 1476

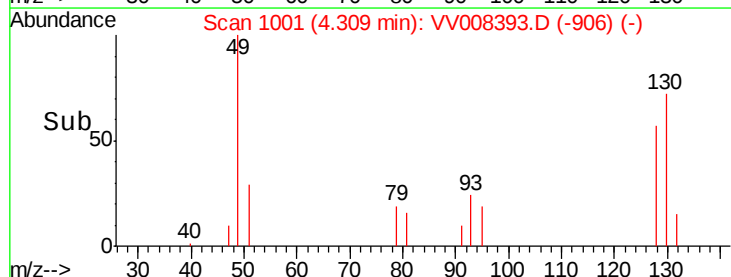
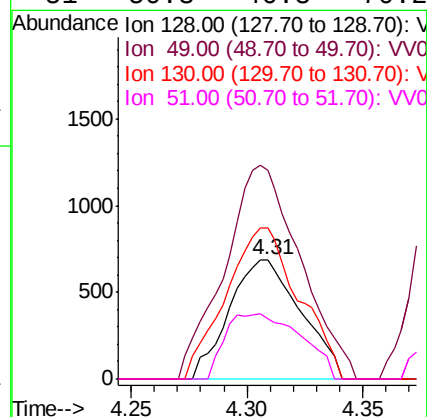
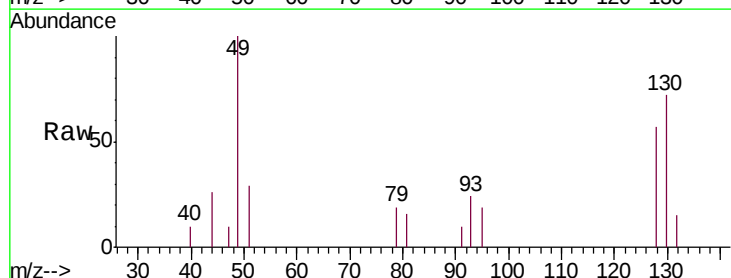
Ion Ratio Lower Upper

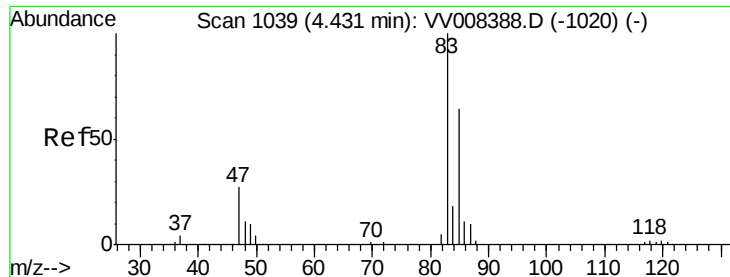
128 100

49 174.8 128.0 237.8

130 126.2 89.2 165.8

51 50.3 46.8 70.2

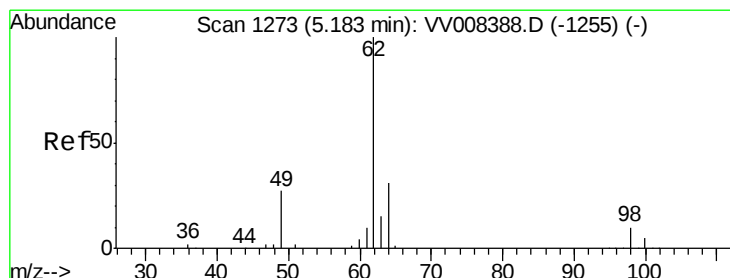
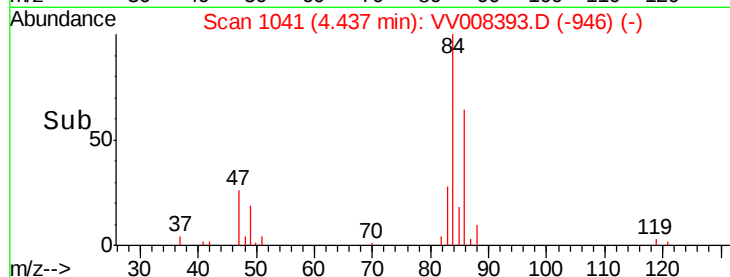
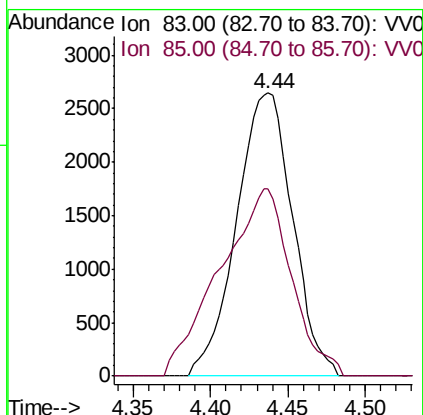
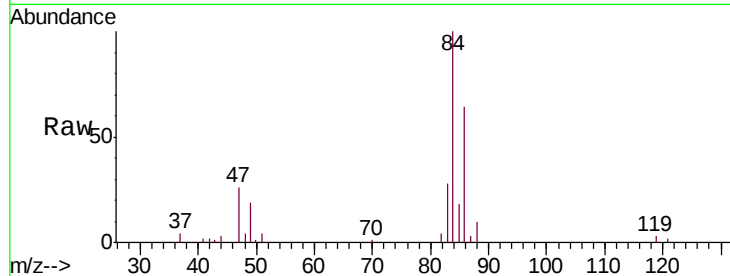




#25
Chloroform
Concen: 2.529 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

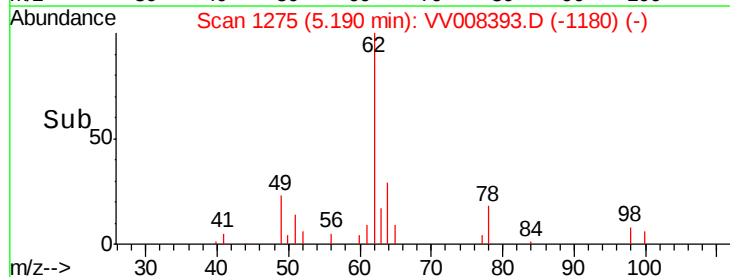
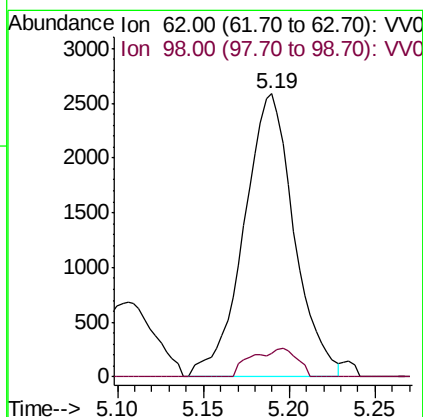
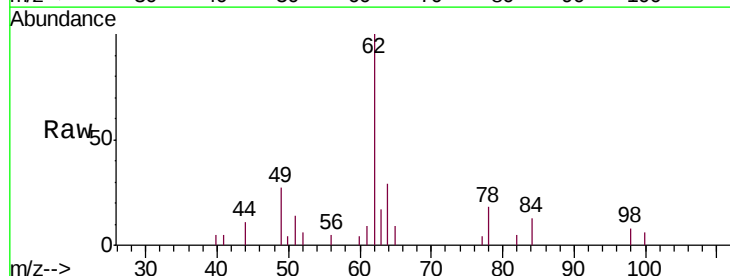
Instrument :
MSVOA_V
ClientSampleId :
MDL04

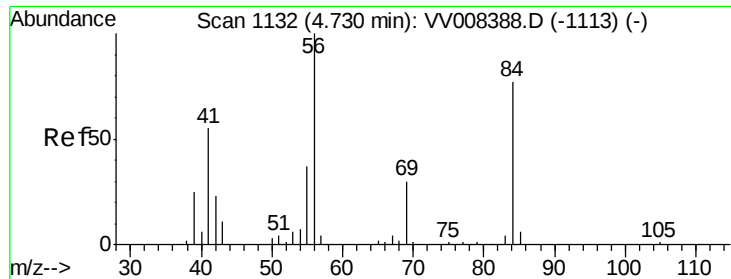
Tgt Ion: 83 Resp: 6691
Ion Ratio Lower Upper
83 100
85 66.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.378 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion: 62 Resp: 5256
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8

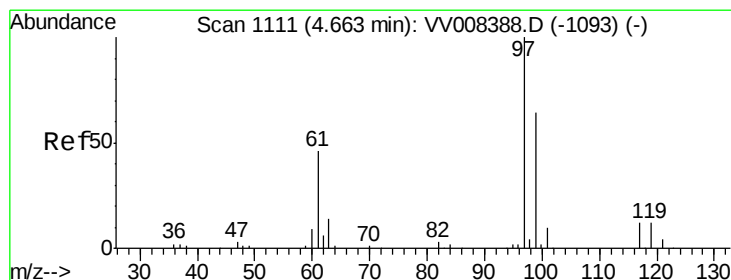
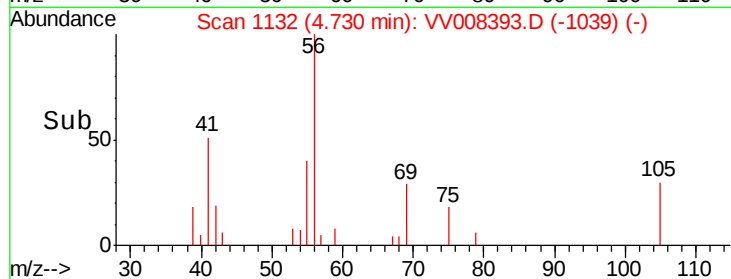
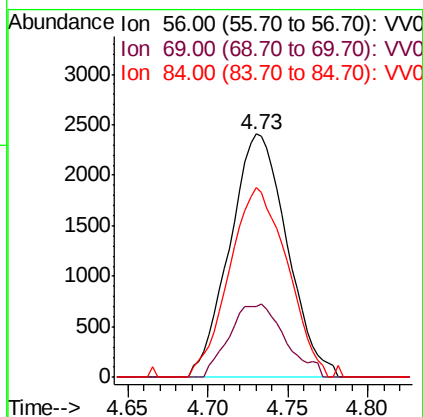
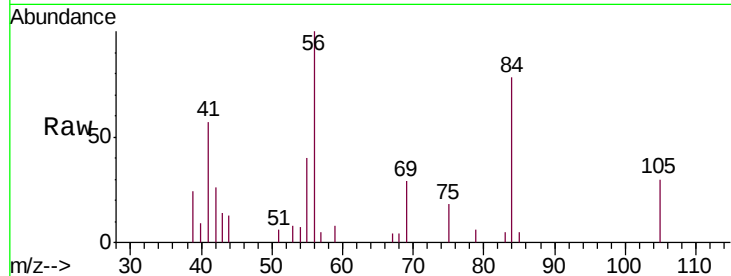




#29
Cyclohexane
Concen: 2.339 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

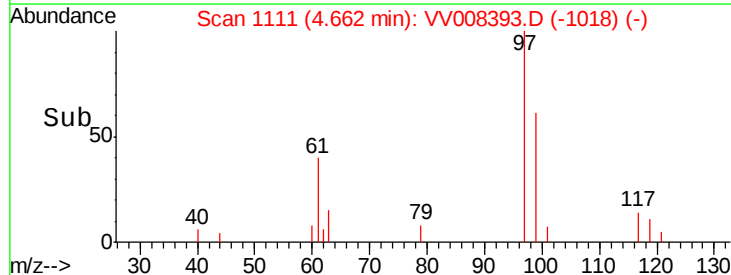
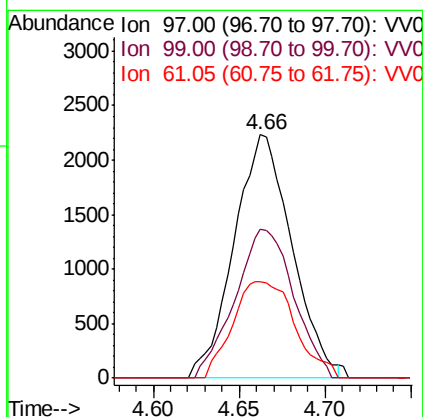
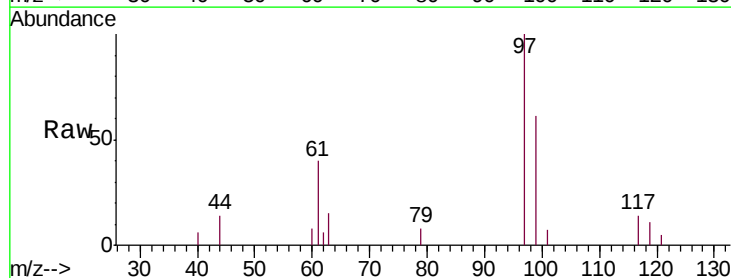
Instrument :
MSVOA_V
ClientSampleId :
MDL04

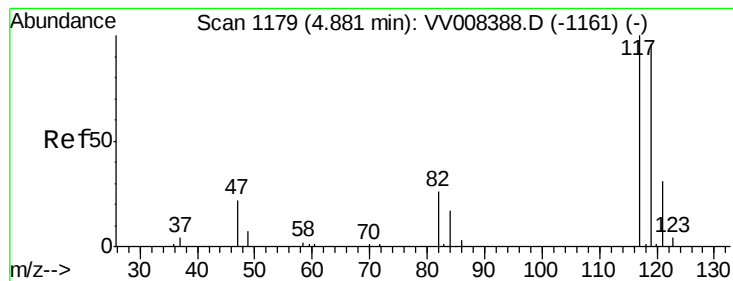
Tgt Ion: 56 Resp: 5908
Ion Ratio Lower Upper
56 100
69 12.5 24.6 37.0#
84 79.1 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 2.319 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion: 97 Resp: 5218
Ion Ratio Lower Upper
97 100
99 62.1 51.6 77.4
61 42.7 36.5 54.7





#31

Carbon tetrachloride

Concen: 2.187 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampled :

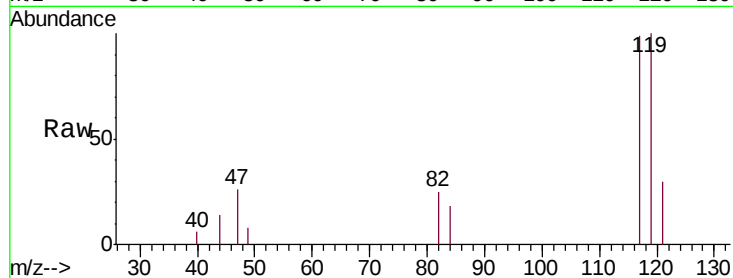
MDL04

Tgt Ion:117 Resp: 4176

Ion Ratio Lower Upper

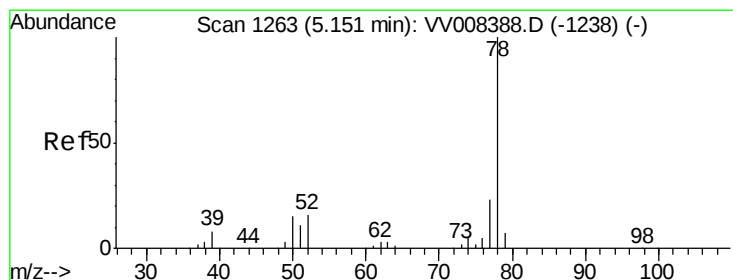
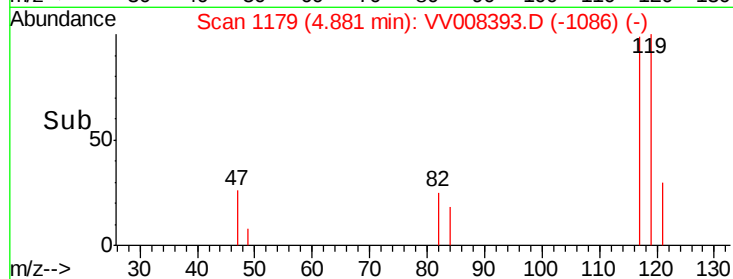
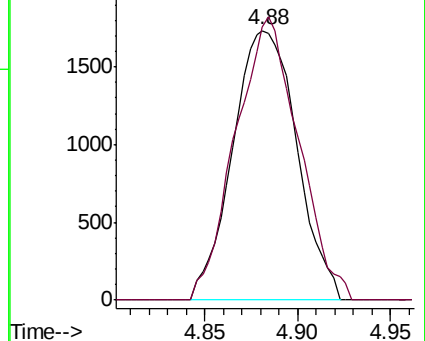
117 100

119 103.5 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: 2.348 ug/L

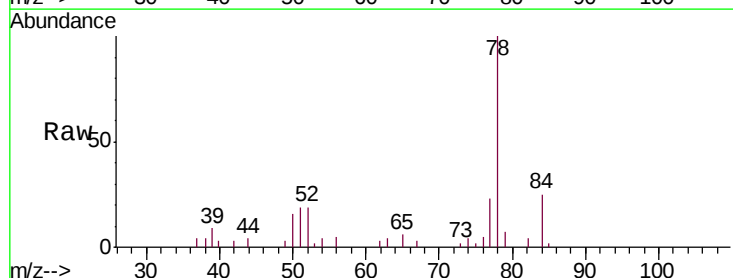
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

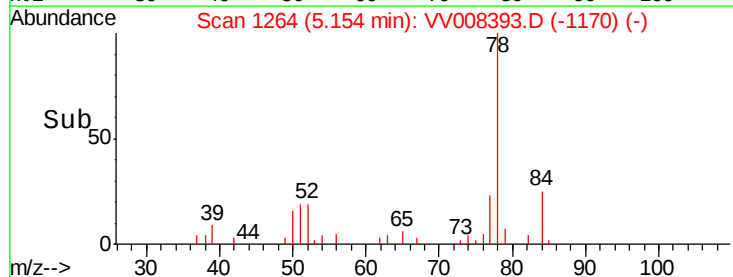
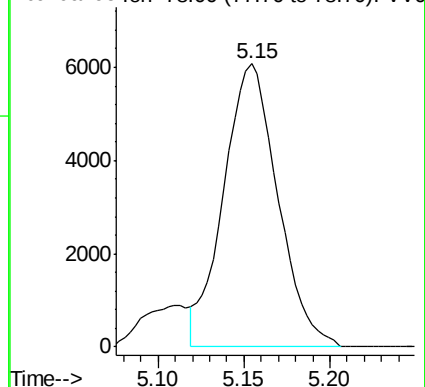
Lab File: VV008393.D

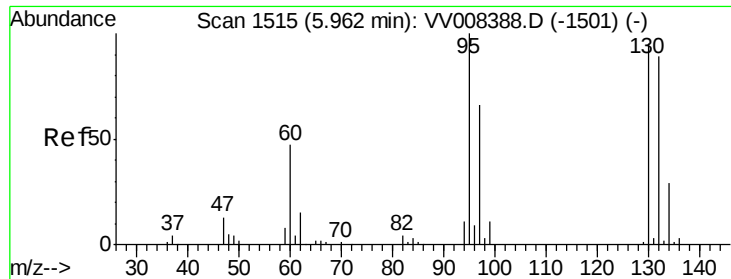
Acq: 24 Oct 2018 15:26

Tgt Ion: 78 Resp: 13315



Abundance Ion 78.00 (77.70 to 78.70): VV0

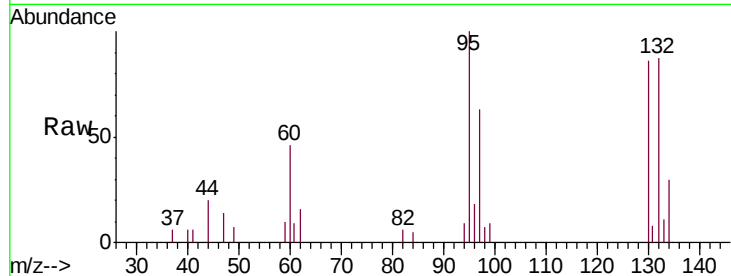




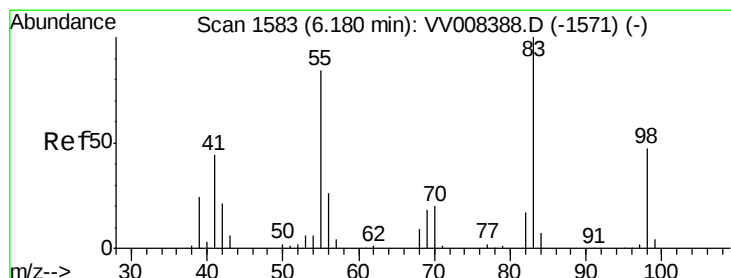
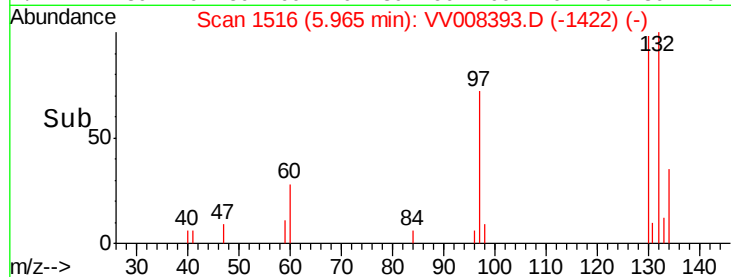
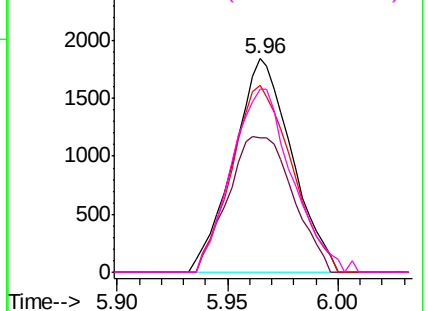
#34
 Trichloroethene
 Concen: 2.330 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tgt Ion: 95 Resp: 3383
 Ion Ratio Lower Upper
 95 100
 97 63.1 45.2 84.0
 132 87.3 63.8 118.6
 130 94.4 64.7 120.1

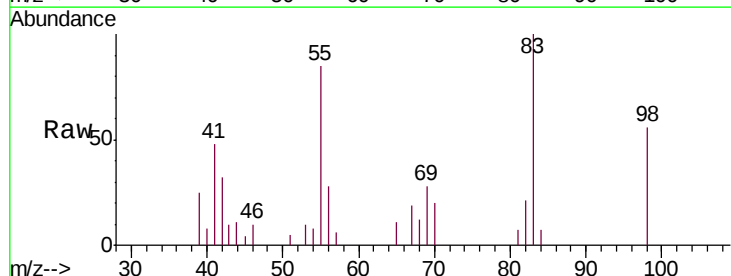


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

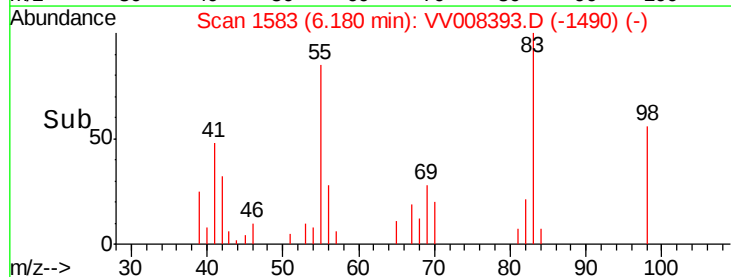
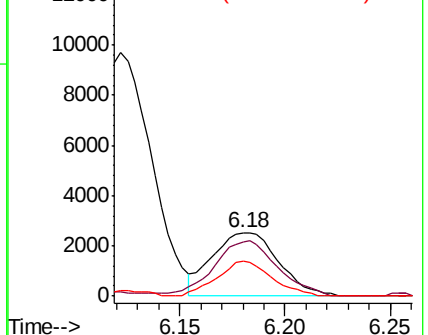


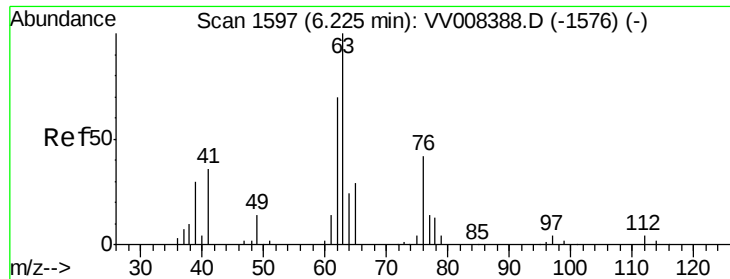
#35
 Methylcyclohexane
 Concen: 2.253 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion: 83 Resp: 5562
 Ion Ratio Lower Upper
 83 100
 55 82.7 65.0 97.4
 98 45.1 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

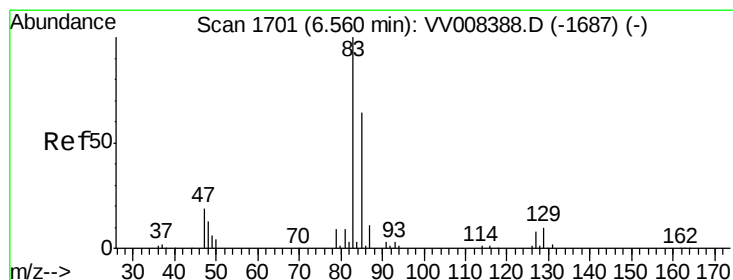
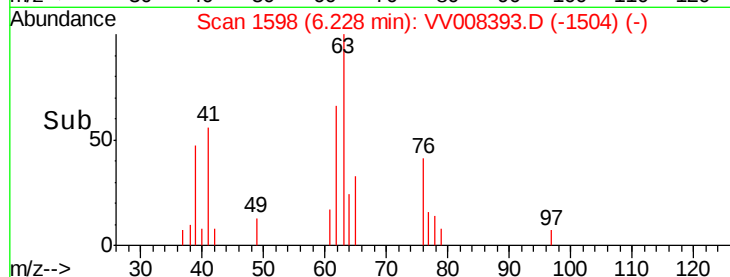
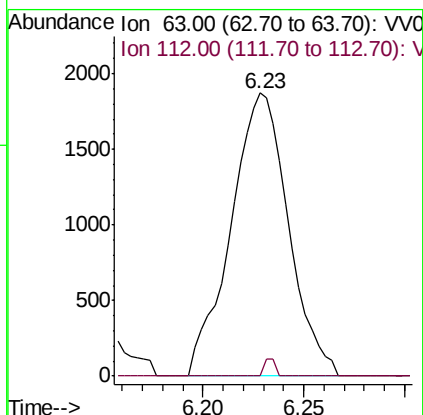
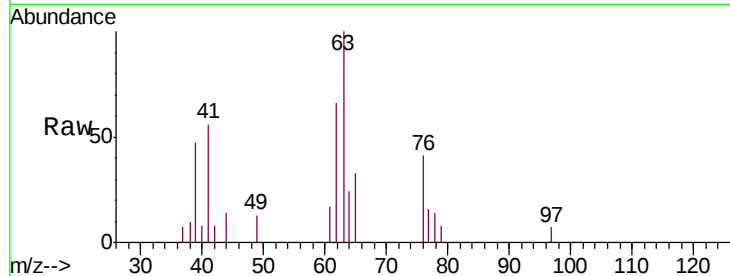




#37
 1,2-Dichloropropane
 Concen: 2.379 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

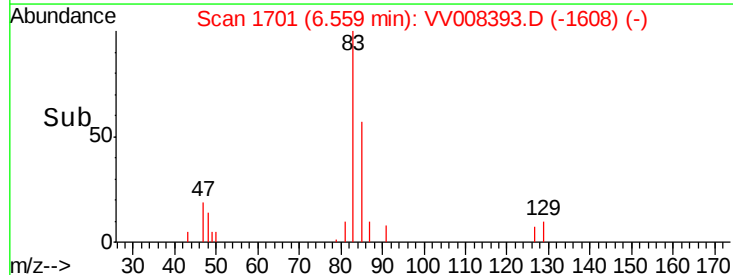
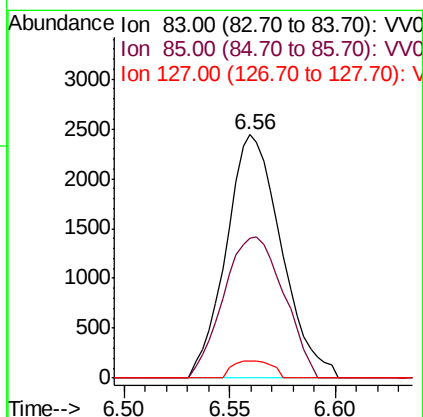
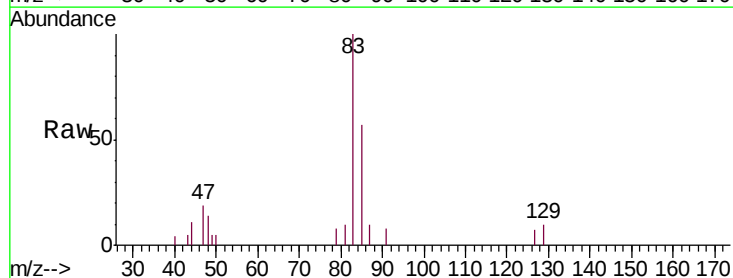
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

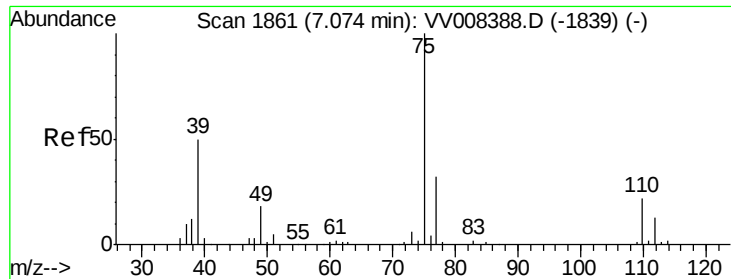
Tgt Ion: 63 Resp: 3727
 Ion Ratio Lower Upper
 63 100
 112 1.2 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.215 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion: 83 Resp: 4422
 Ion Ratio Lower Upper
 83 100
 85 57.5 44.3 82.3
 127 6.9 6.3 9.5

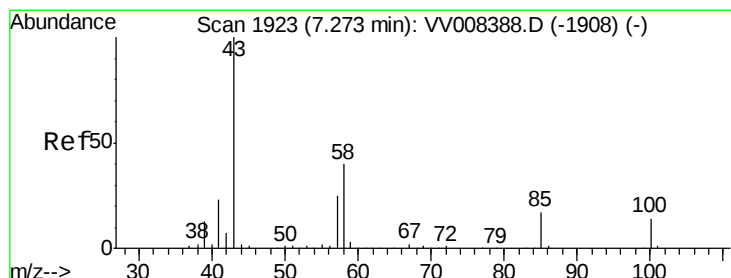
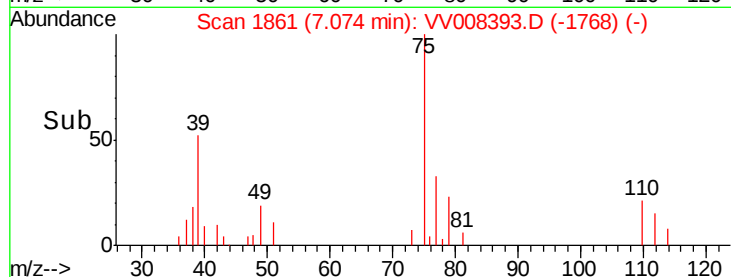
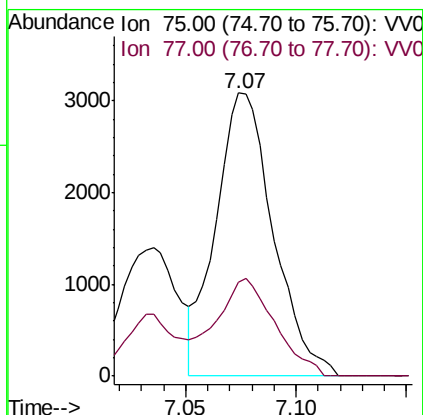
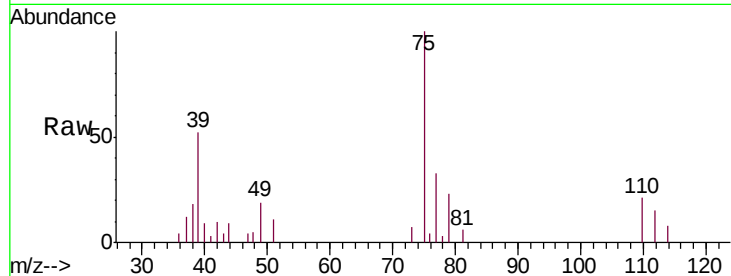




#39
 cis-1,3-Dichloropropene
 Concen: 2.267 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

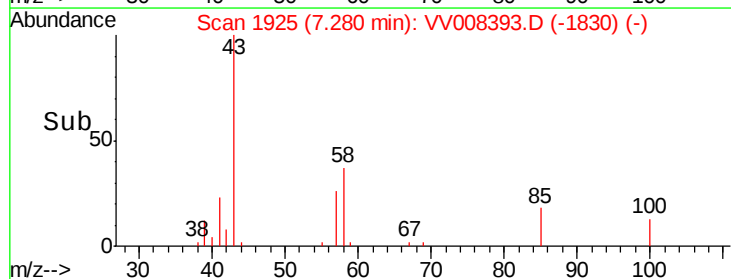
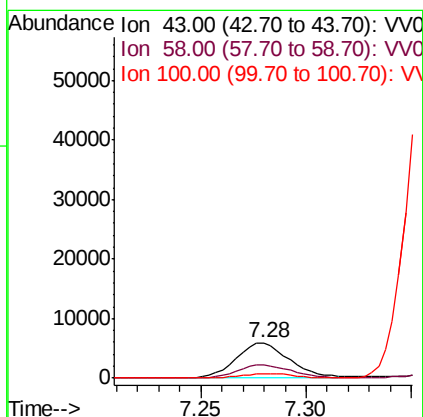
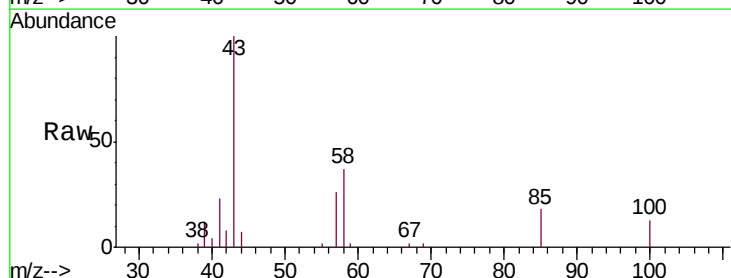
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

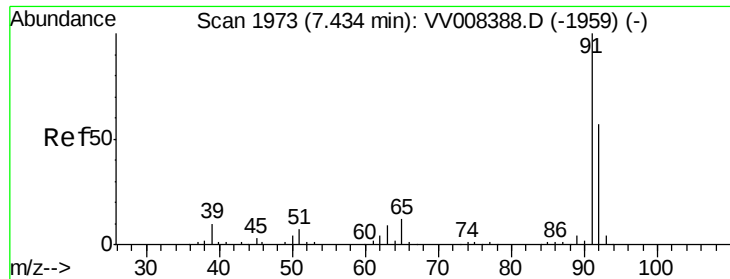
Tgt Ion: 75 Resp: 5582
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 4.472 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion: 43 Resp: 10373
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3
 100 12.6 10.9 16.3





#42

Toluene

Concen: 2.252 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampled :

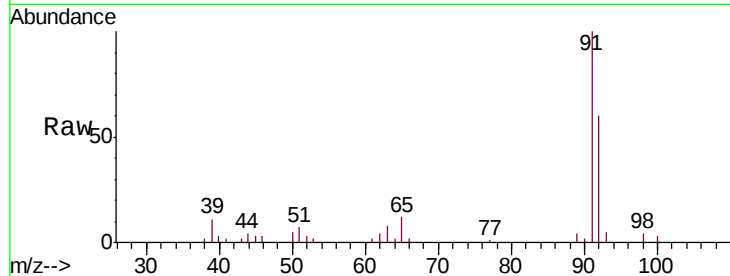
MDL04

Tgt Ion: 91 Resp: 13265

Ion Ratio Lower Upper

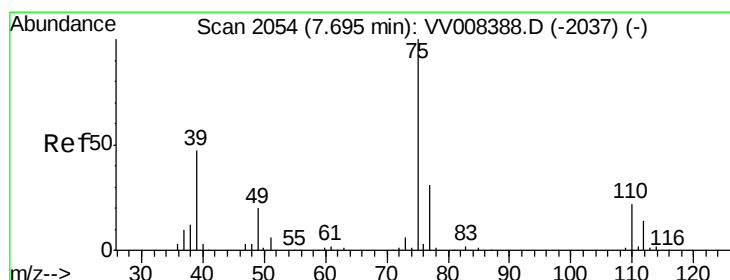
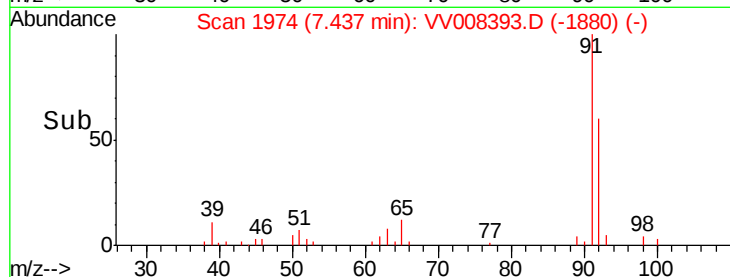
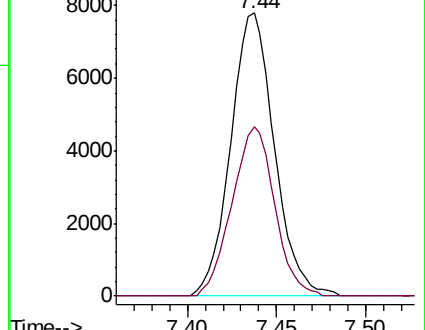
91 100

92 59.8 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008388.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.325 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008393.D

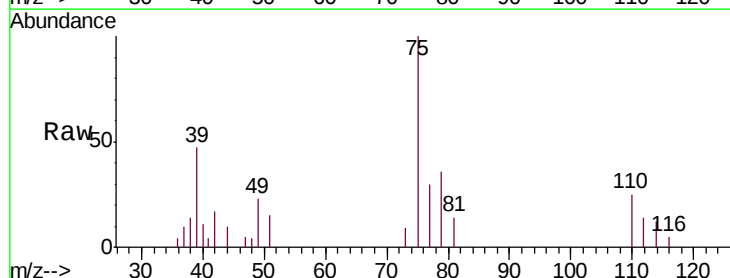
Acq: 24 Oct 2018 15:26

Tgt Ion: 75 Resp: 5356

Ion Ratio Lower Upper

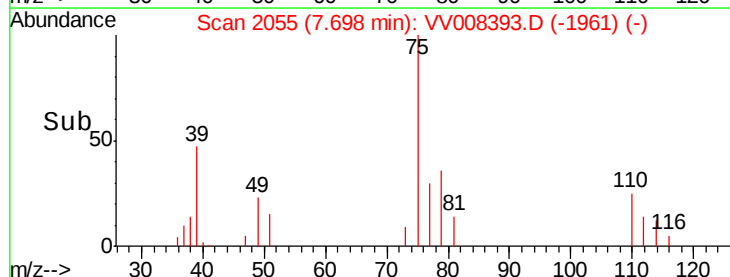
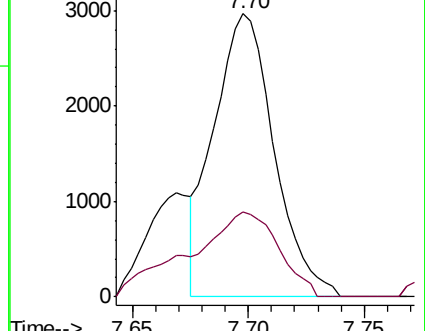
75 100

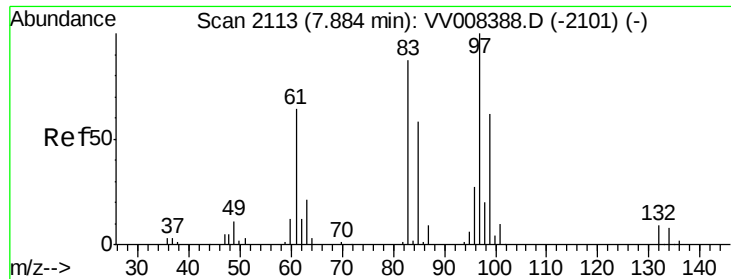
77 29.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

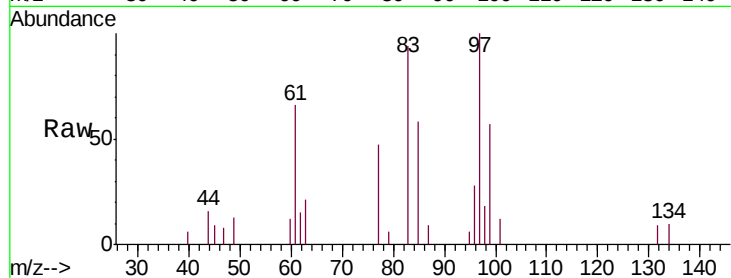




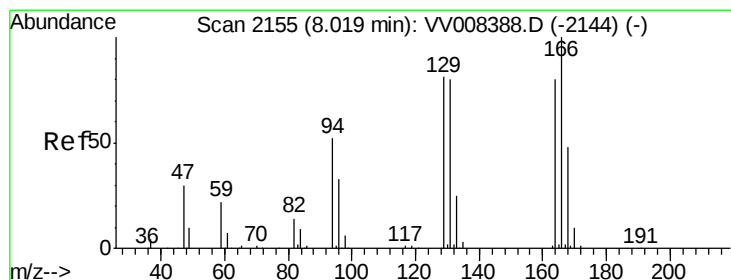
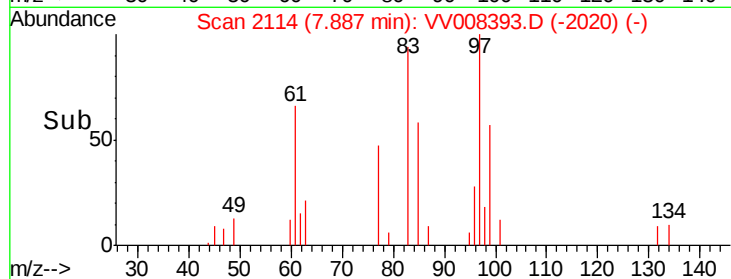
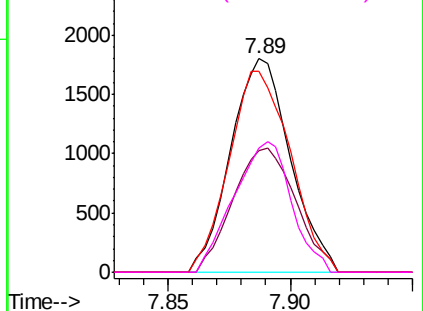
#45
 1,1,2-Trichloroethane
 Concen: 2.209 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:	97	Resp:	3060
Ion	Ratio	Lower	Upper
97	100		
99	57.1	43.3	80.3
83	94.2	61.9	114.9
85	58.2	40.9	75.9

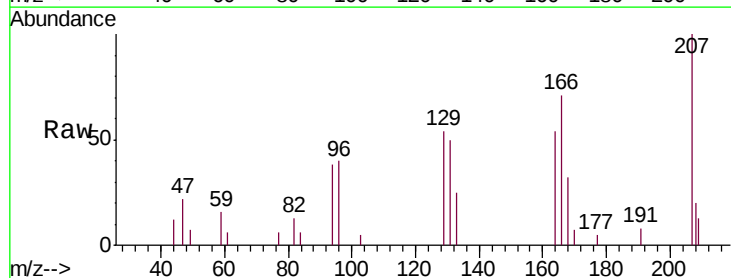


Abundance Ion 97.00 (96.70 to 97.70): VV008393.D (-2020) (-)
 Ion 99.00 (98.70 to 99.70): VV008393.D (-2020) (-)
 Ion 83.00 (82.70 to 83.70): VV008393.D (-2020) (-)
 Ion 85.00 (84.70 to 85.70): VV008393.D (-2020) (-)

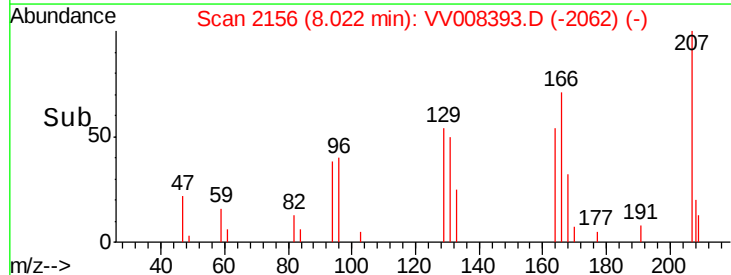
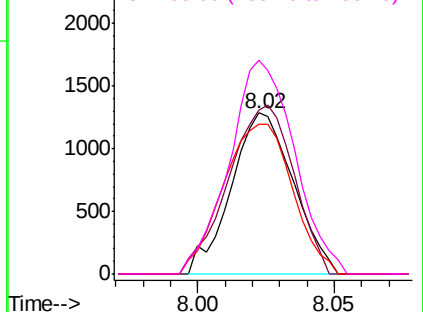


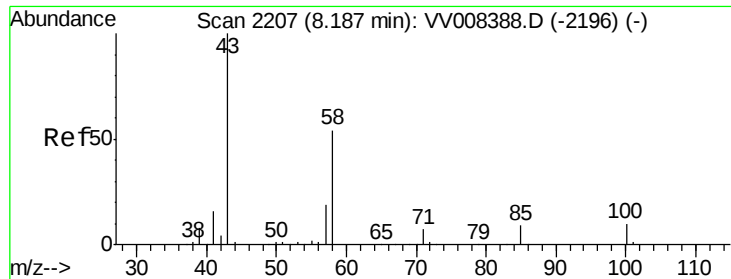
#46
 Tetrachloroethene
 Concen: 2.151 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion:	164	Resp:	2036
Ion	Ratio	Lower	Upper
164	100		
129	101.4	75.0	139.2
131	92.6	71.3	132.3
166	132.5	89.2	165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008393.D (-2062) (-)
 Ion 129.00 (128.70 to 129.70): VV008393.D (-2062) (-)
 Ion 131.00 (130.70 to 131.70): VV008393.D (-2062) (-)
 Ion 166.00 (165.70 to 166.70): VV008393.D (-2062) (-)

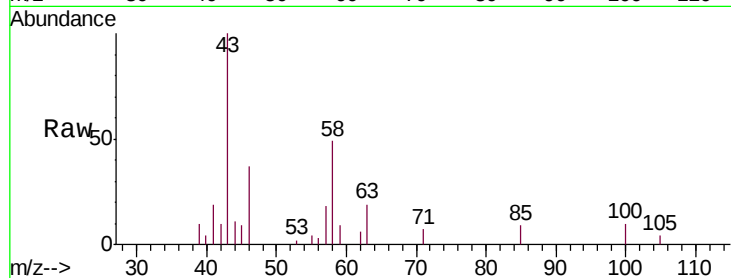




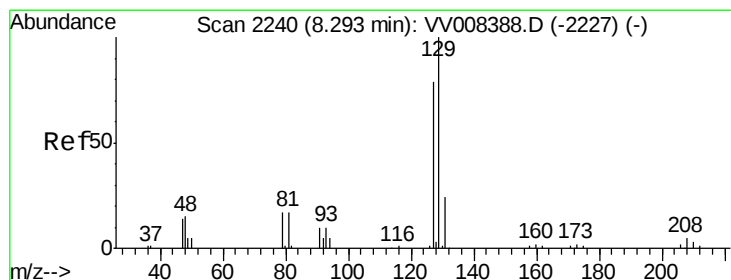
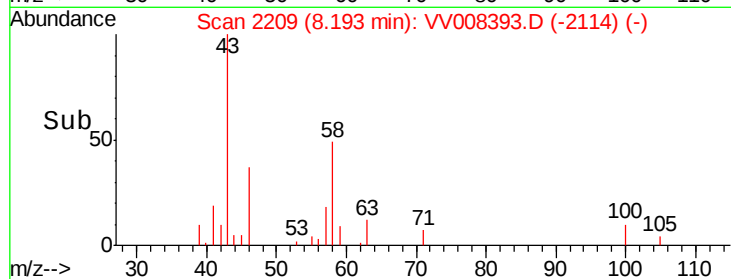
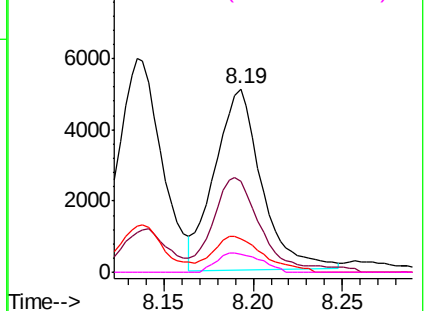
#48
2-Hexanone
Concen: 5.191 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 9290
Ion Ratio Lower Upper
43 100
58 46.0 42.6 63.8
57 21.3 14.8 22.2
100 10.0 8.5 12.7

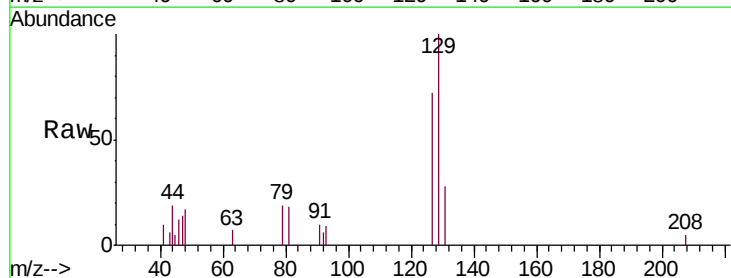


Abundance Ion 43.00 (42.70 to 43.70): VV008393.D (-2114) (-)
Ion 58.00 (57.70 to 58.70): VV008393.D (-2114) (-)
Ion 57.00 (56.70 to 57.70): VV008393.D (-2114) (-)
Ion 100.00 (99.70 to 100.70): VV008393.D (-2114) (-)

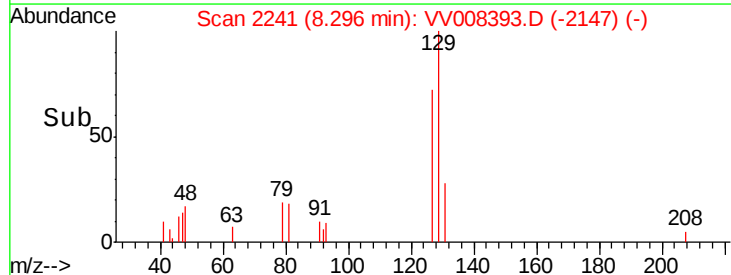
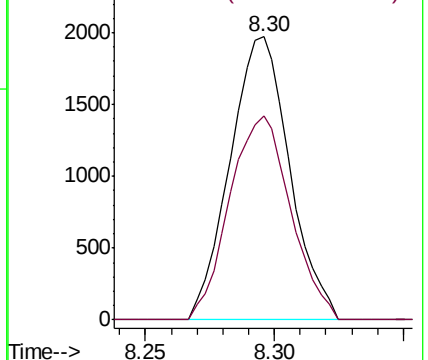


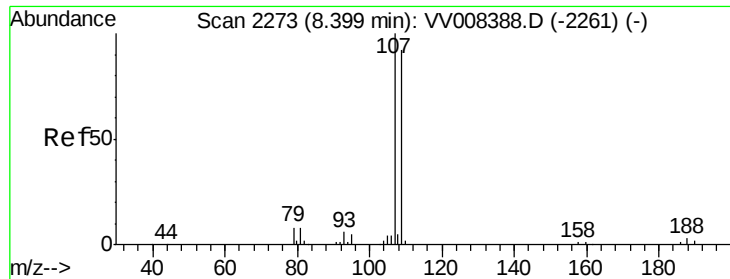
#49
Dibromochloromethane
Concen: 2.139 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion: 129 Resp: 3183
Ion Ratio Lower Upper
129 100
127 72.2 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008393.D (-2147) (-)
Ion 127.00 (126.70 to 127.70): VV008393.D (-2147) (-)

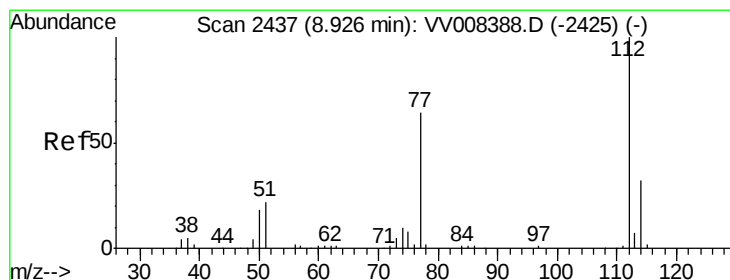
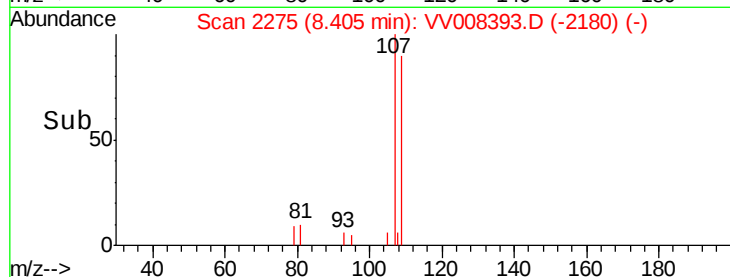
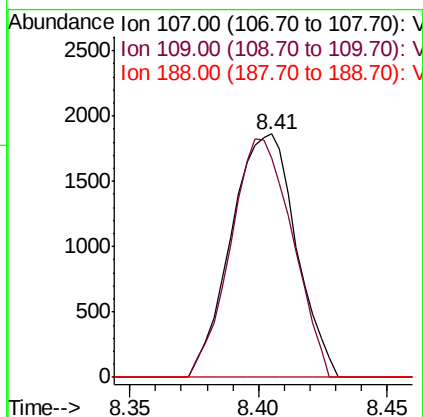
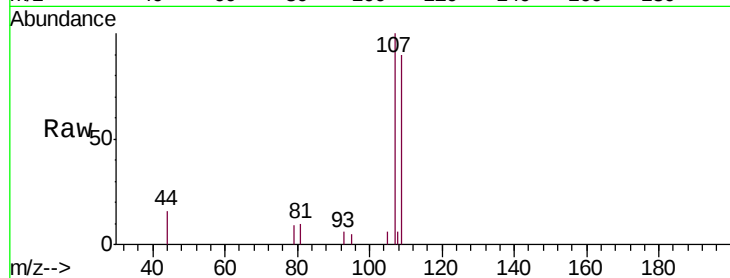




#50
1,2-Dibromoethane
Concen: 2.256 ug/L
RT: 8.41 min Scan# 2275
Delta R.T. 0.01 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

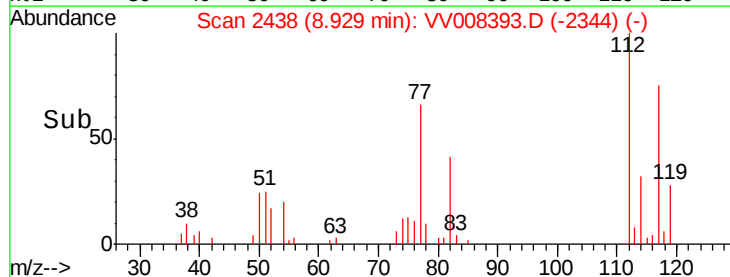
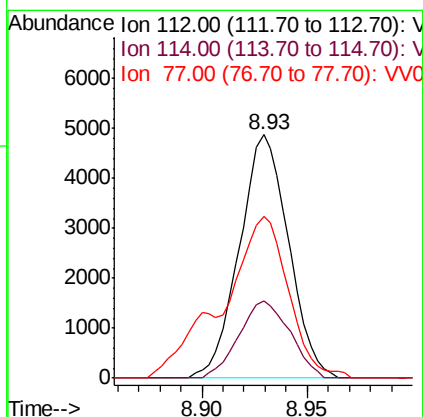
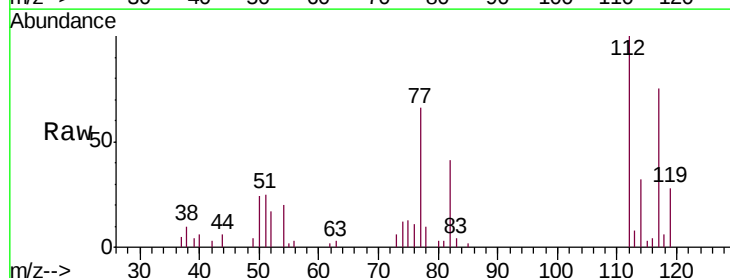
Instrument :
MSVOA_V
ClientSampleId :
MDL04

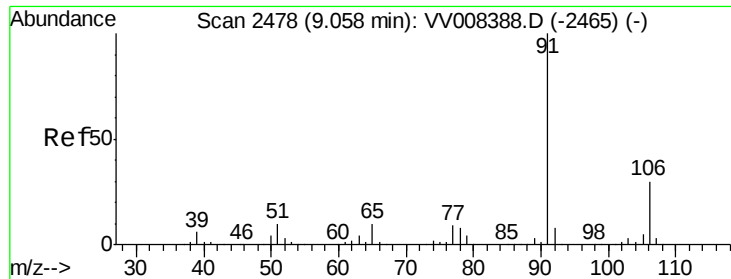
Tgt Ion:107 Resp: 3277
Ion Ratio Lower Upper
107 100
109 89.9 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 2.178 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion:112 Resp: 7901
Ion Ratio Lower Upper
112 100
114 31.7 22.5 41.7
77 66.5 52.0 78.0

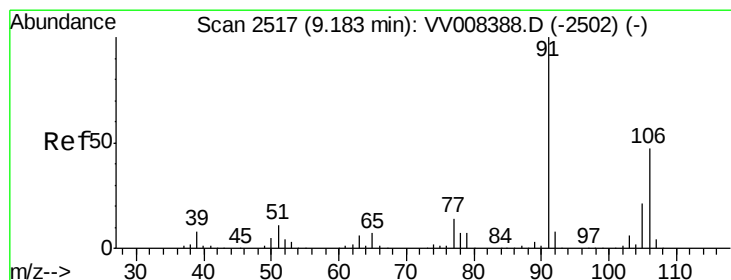
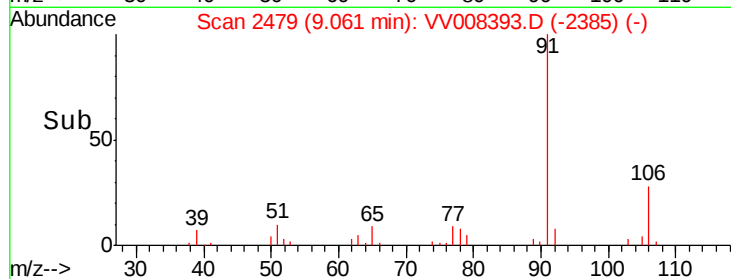
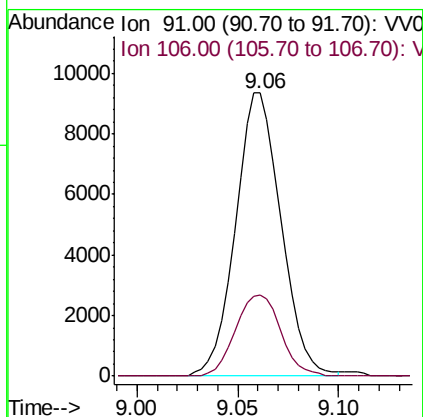
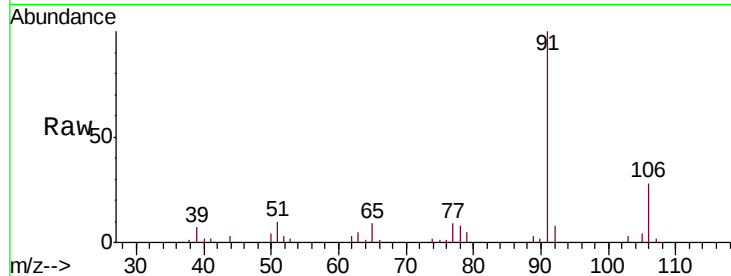




#52
Ethylbenzene
Concen: 2.242 ug/L
RT: 9.06 min Scan# 2479
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

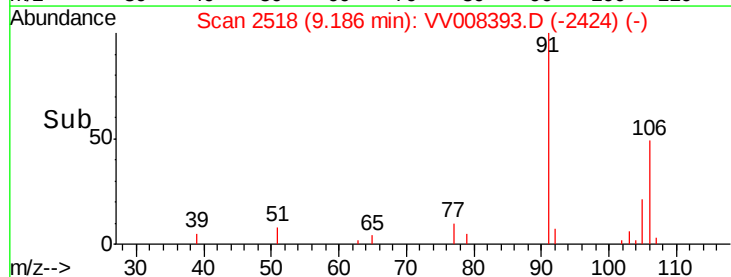
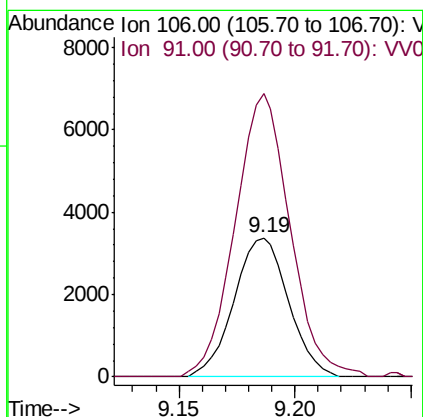
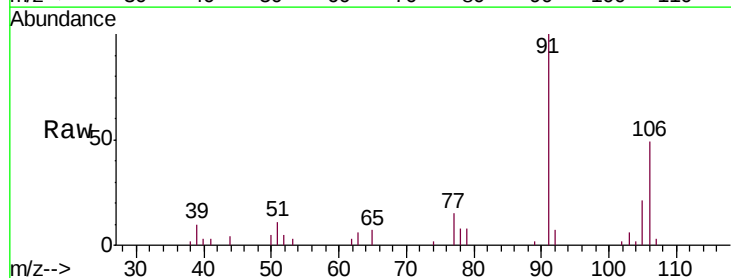
Instrument :
MSVOA_V
ClientSampled :
MDL04

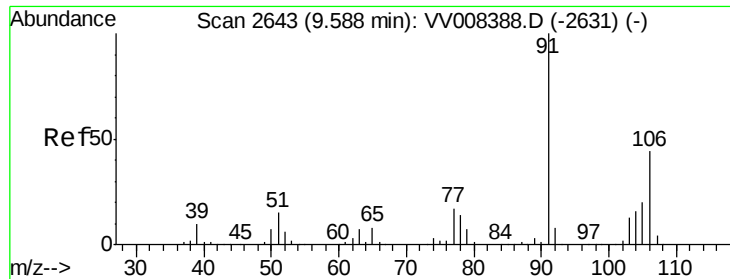
Tgt Ion: 91 Resp: 14793
Ion Ratio Lower Upper
91 100
106 28.5 21.3 39.5



#53
m,p-Xylene
Concen: 2.285 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion: 106 Resp: 5509
Ion Ratio Lower Upper
106 100
91 204.1 150.0 278.6

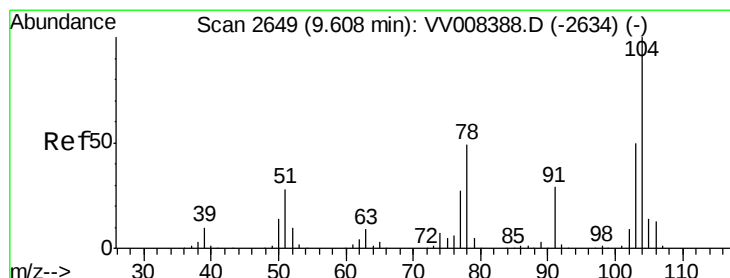
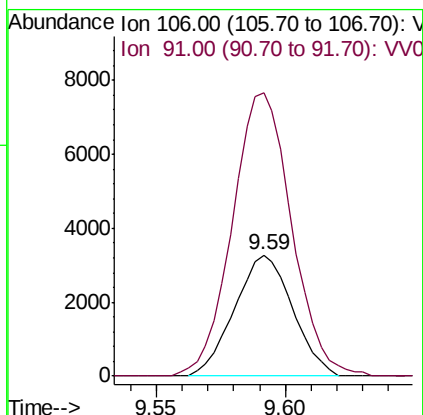
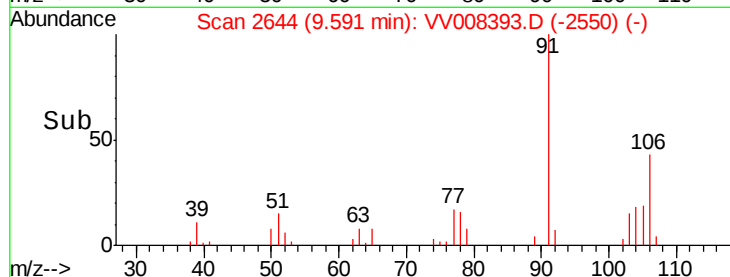
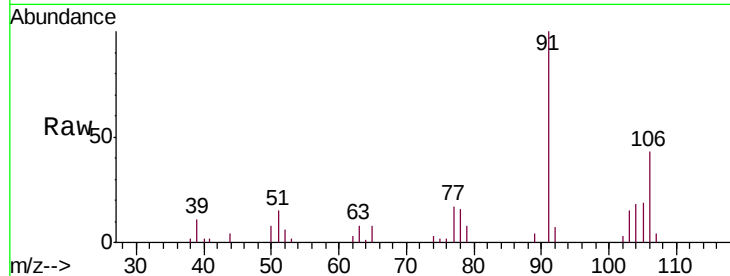




#54
o-xylene
Concen: 2.127 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

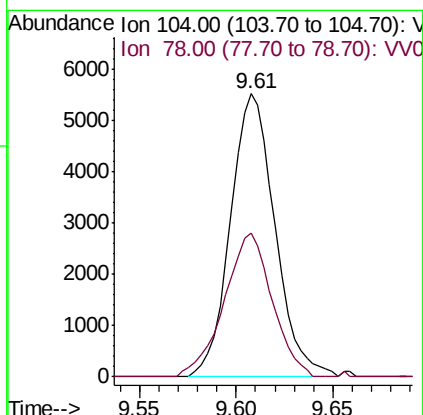
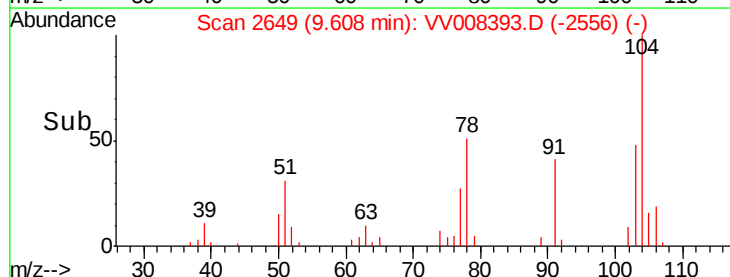
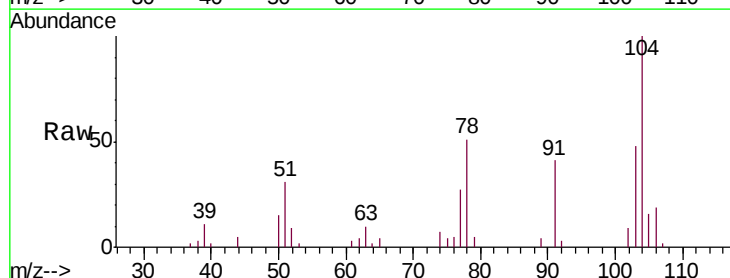
Instrument :
MSVOA_V
ClientSampled :
MDL04

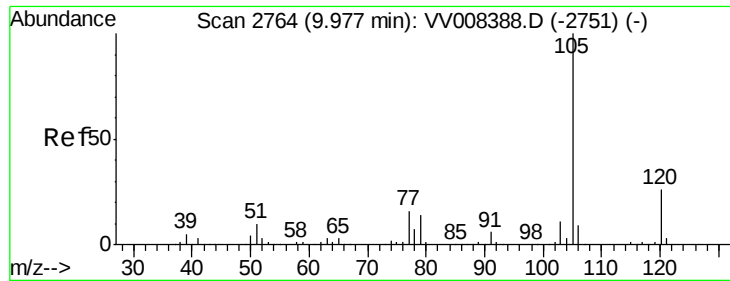
Tgt Ion:106 Resp: 5121
Ion Ratio Lower Upper
106 100
91 234.3 158.7 294.7



#55
Styrene
Concen: 2.176 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008393.D
Acq: 24 Oct 2018 15:26

Tgt Ion:104 Resp: 8826
Ion Ratio Lower Upper
104 100
78 50.8 34.4 64.0





#56

Isopropylbenzene

Concen: 2.140 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampled :

MDL04

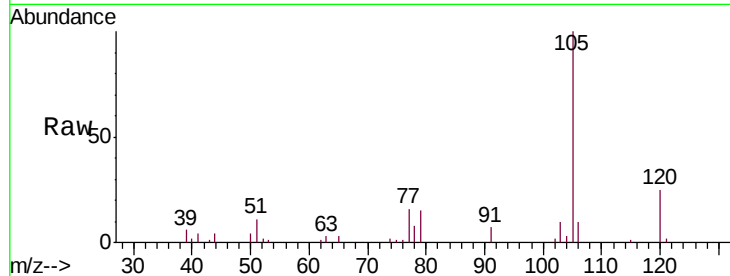
Tgt Ion:105 Resp: 13480

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

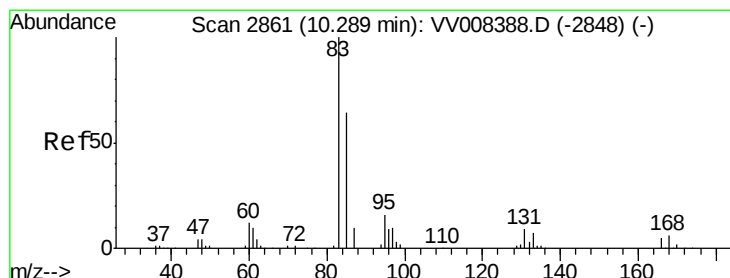
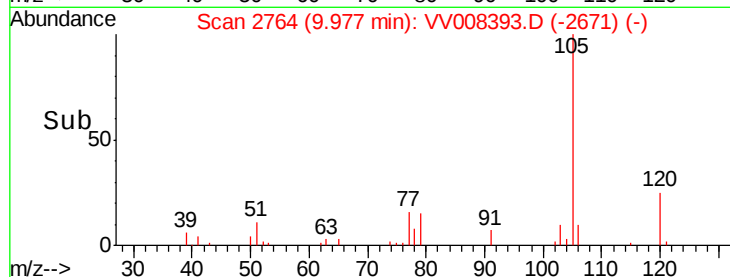
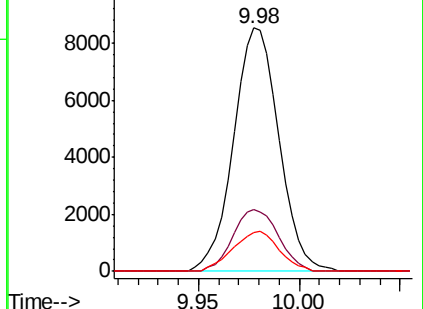
77 16.6 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): VV008393.D (-2761) (-)

Ion 120.00 (119.70 to 120.70): VV008393.D (-2761) (-)

Ion 77.00 (76.70 to 77.70): VV008393.D (-2761) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 2.404 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

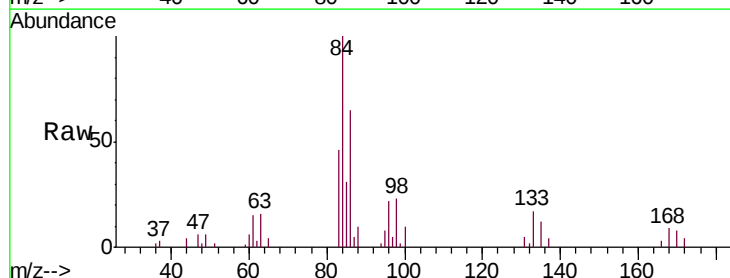
Tgt Ion: 83 Resp: 5830

Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.2

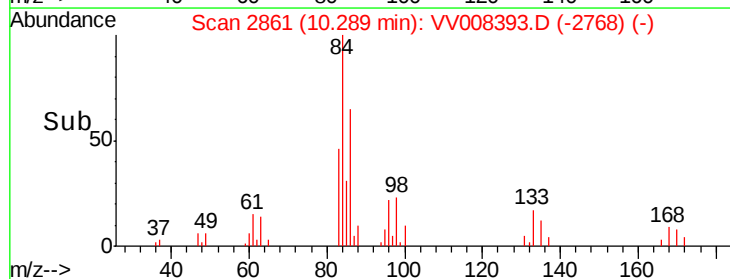
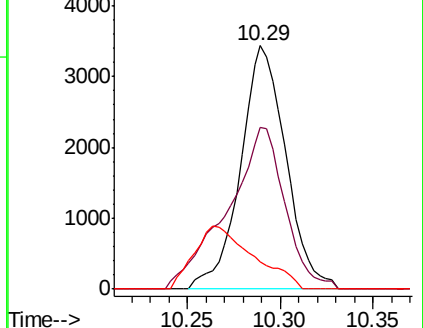
131 11.4 7.3 10.9#

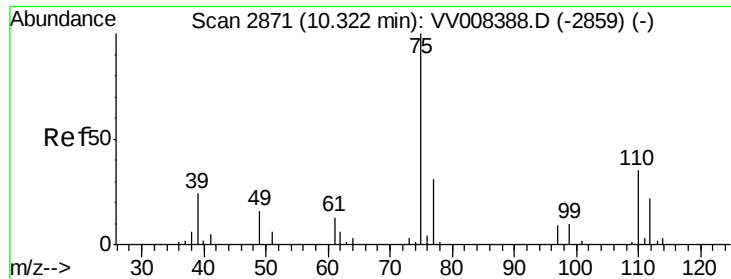


Abundance Ion 83.00 (82.70 to 83.70): VV008393.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008393.D (-2768) (-)

Ion 131.00 (130.70 to 131.70): VV008393.D (-2768) (-)

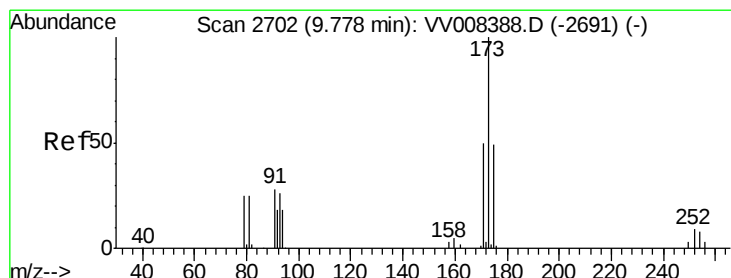
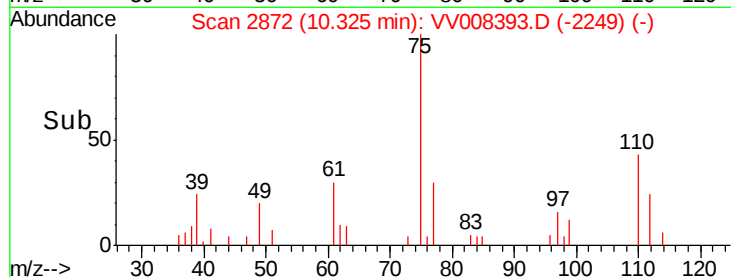
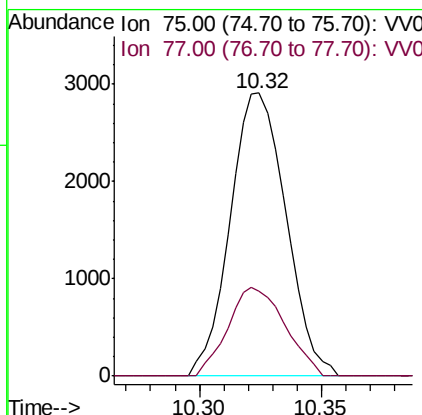
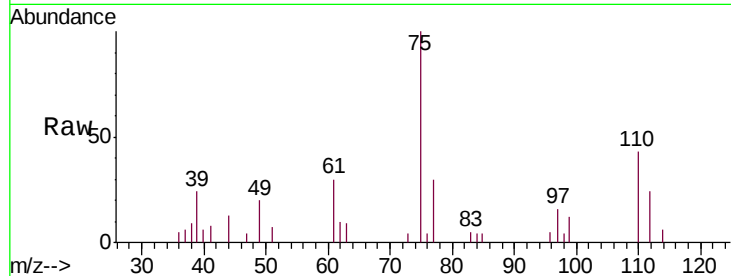




#59
 1,2,3-Trichloropropane
 Concen: 2.361 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

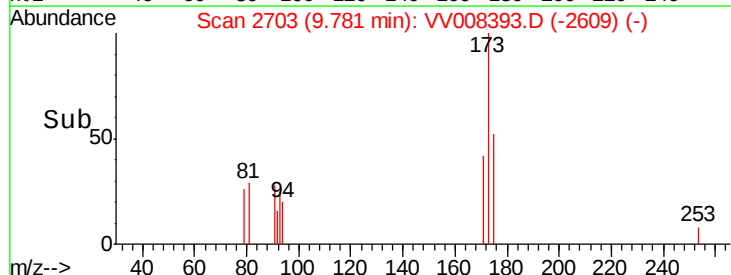
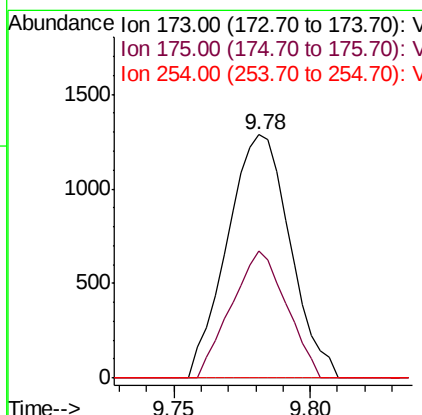
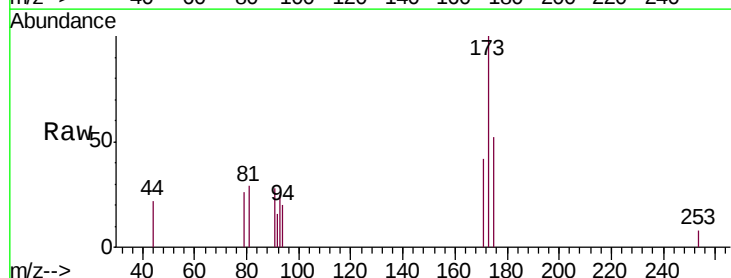
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

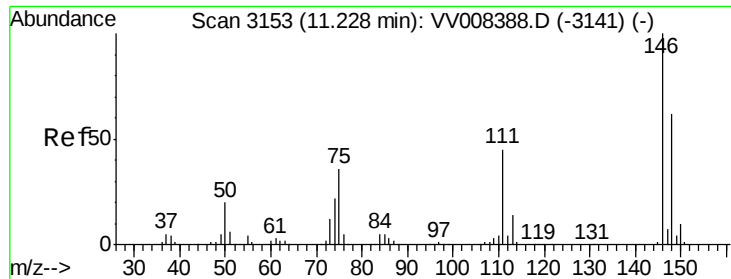
Tgt Ion: 75 Resp: 4634
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8



#61
 Bromoform
 Concen: 2.159 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion: 173 Resp: 2054
 Ion Ratio Lower Upper
 173 100
 175 45.8 38.6 57.8
 254 0.0 5.9 8.9#

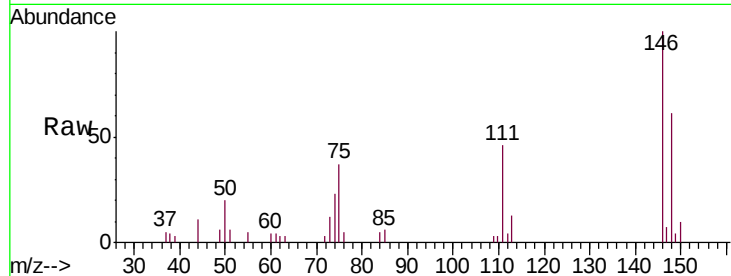




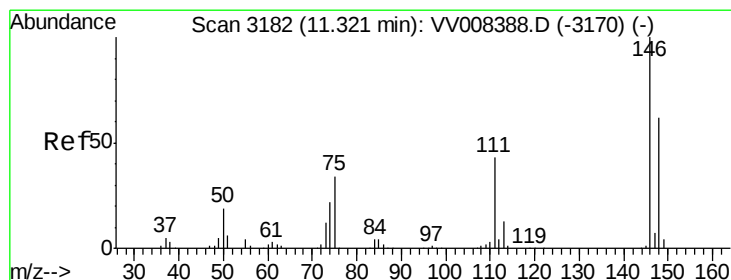
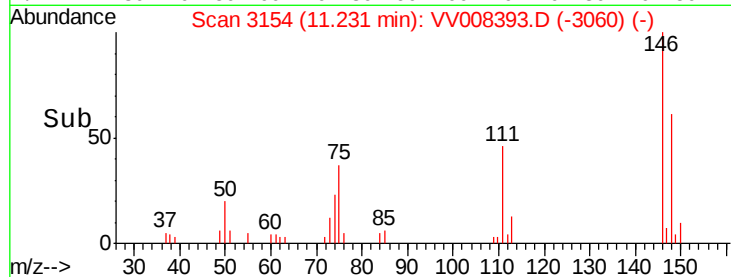
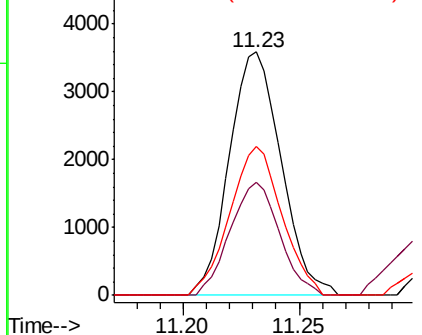
#62
 1,3-Dichlorobenzene
 Concen: 2.233 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:146 Resp: 5567
 Ion Ratio Lower Upper
 146 100
 111 46.3 30.9 57.3
 148 61.3 44.1 81.9

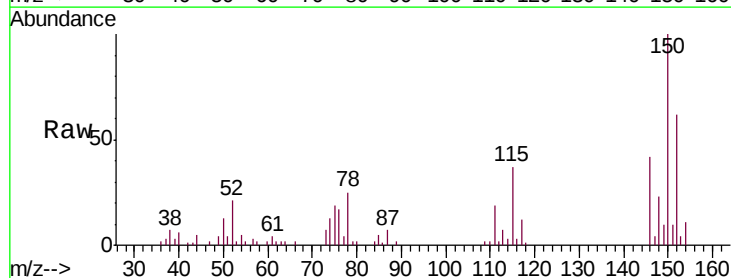


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

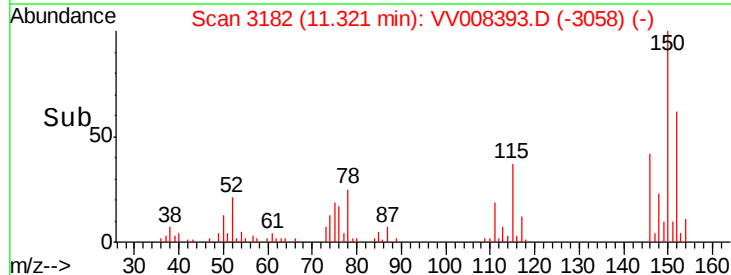
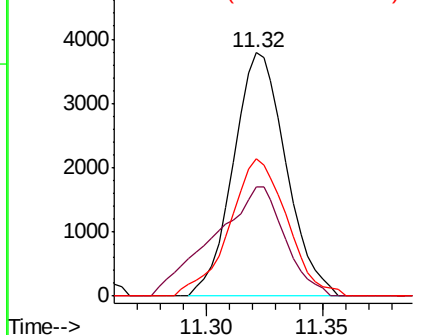


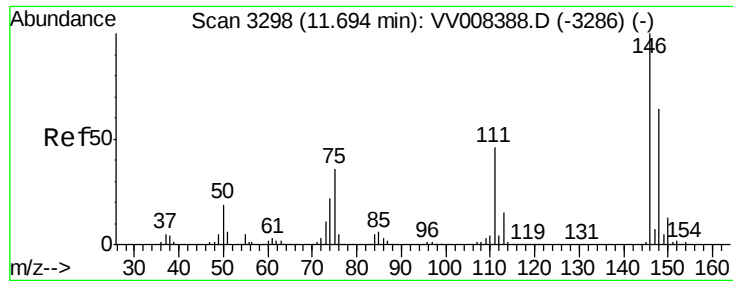
#63
 1,4-Dichlorobenzene
 Concen: 2.394 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion:146 Resp: 5982
 Ion Ratio Lower Upper
 146 100
 111 44.7 29.8 55.4
 148 56.3 44.4 82.5



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





#65

1,2-Dichlorobenzene

Concen: 2.347 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

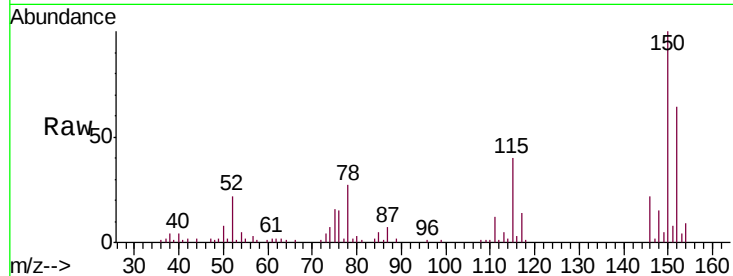
Tgt Ion: 146 Resp: 5965

Ion Ratio Lower Upper

146 100

111 54.8 36.2 54.2#

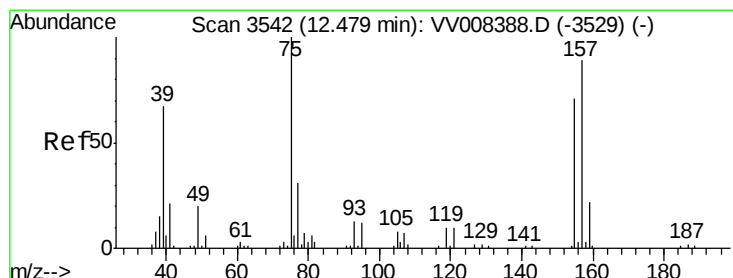
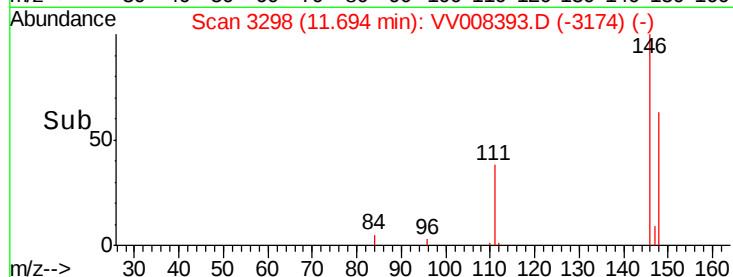
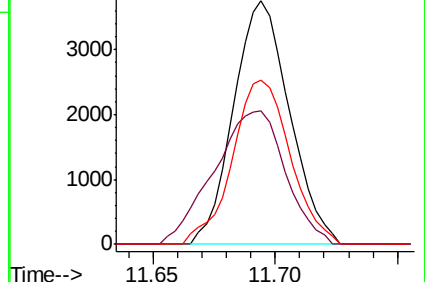
148 67.4 50.3 75.5



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: 2.208 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

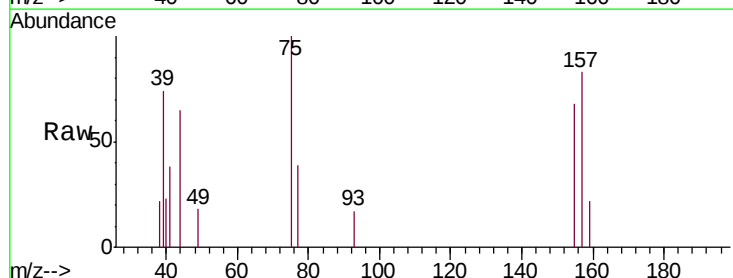
Tgt Ion: 75 Resp: 1154

Ion Ratio Lower Upper

75 100

155 68.4 55.4 83.0

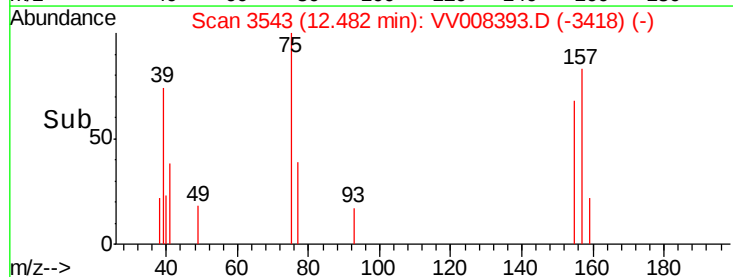
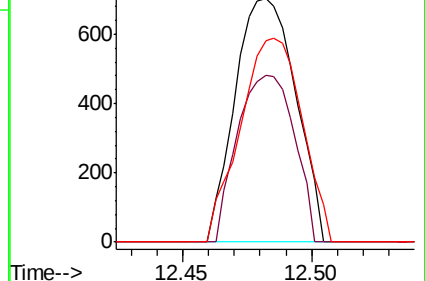
157 82.8 72.8 109.2

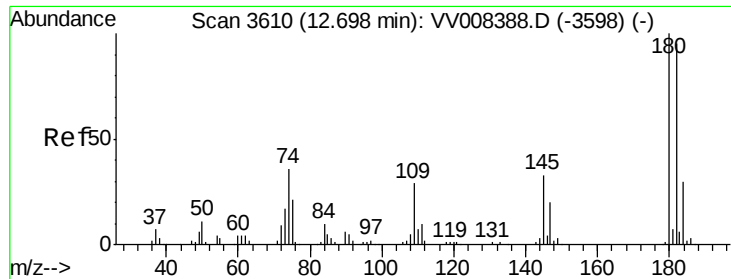


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

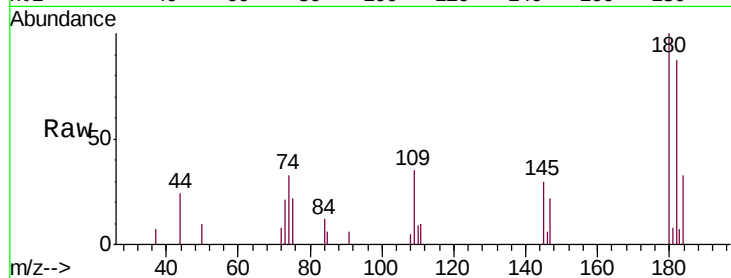




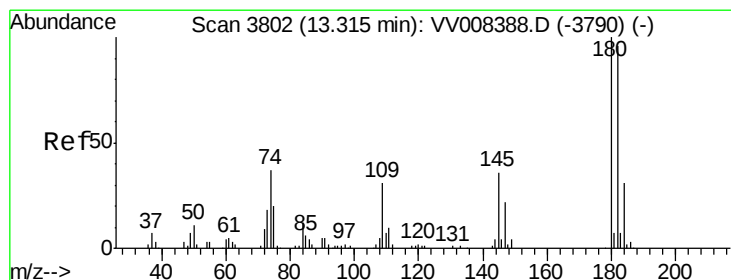
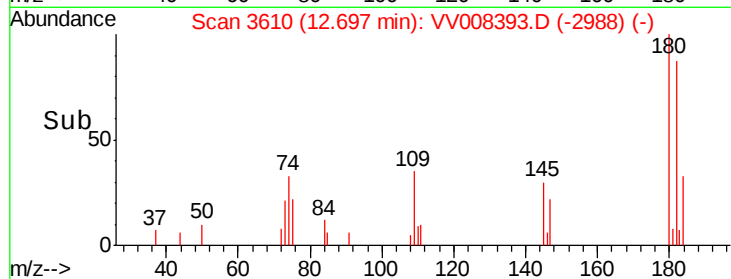
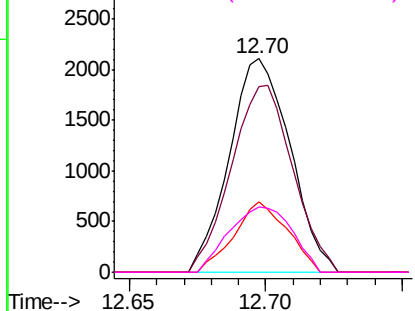
#67
 1,3,5-Trichlorobenzene
 Concen: 2.005 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion:180 Resp: 3263
 Ion Ratio Lower Upper
 180 100
 182 88.1 75.9 113.9
 184 29.0 24.1 36.1
 145 31.8 26.8 40.2

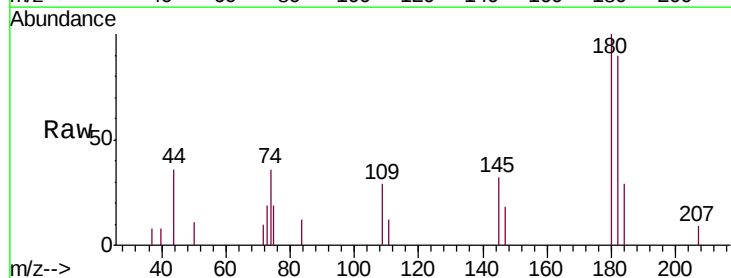


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

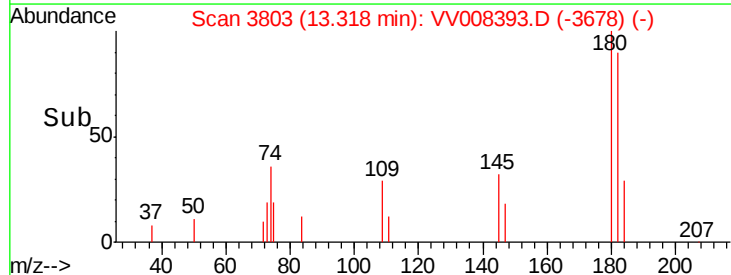
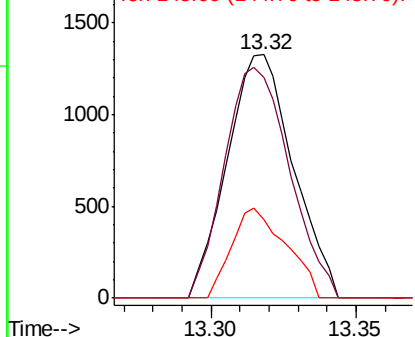


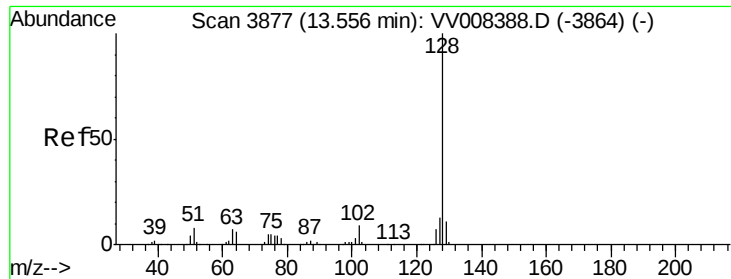
#68
 1,2,4-trichlorobenzene
 Concen: 1.595 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV008393.D
 Acq: 24 Oct 2018 15:26

Tgt Ion:180 Resp: 2100
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.4 113.2
 145 30.4 27.0 40.6



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





#69

Naphthalene

Concen: 1.309 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

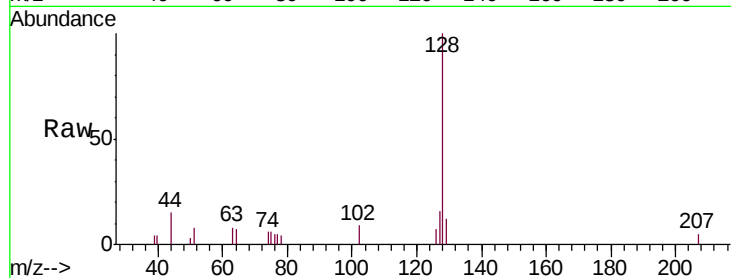
Tgt Ion:128 Resp: 5575

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

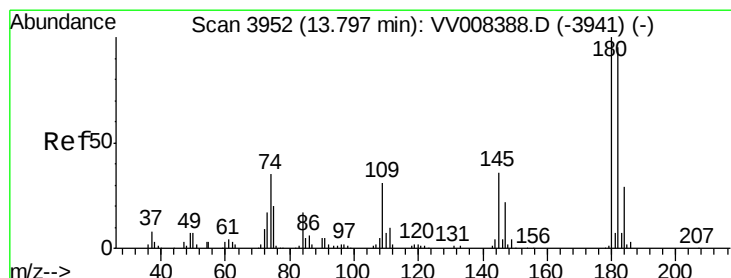
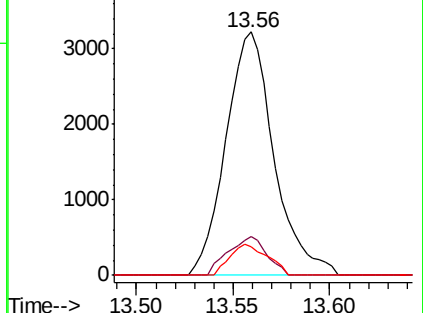
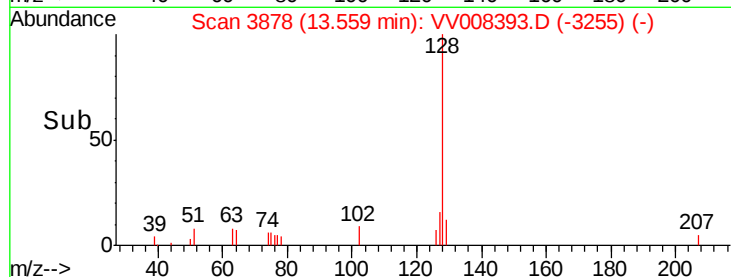
129 10.0 8.9 13.3



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: 1.537 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008393.D

Acq: 24 Oct 2018 15:26

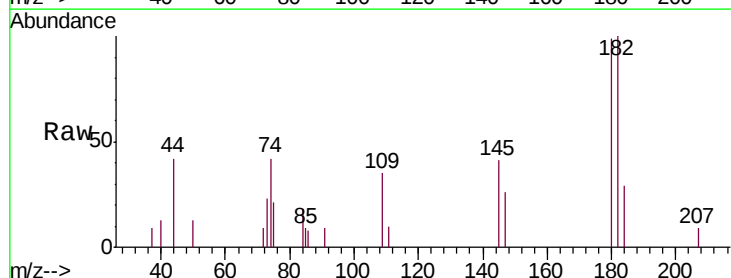
Tgt Ion:180 Resp: 2023

Ion Ratio Lower Upper

180 100

182 92.6 75.7 113.5

145 38.4 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

