

Data File : VV008396.D
Acq On : 24 Oct 2018 17:01
Operator : SY/MD
Sample : MDL07
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Quant Time: Oct 25 08:54:26 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	5.66	114	219854	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	196023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	45212	37.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.28%
7) Chloroethane-d5	1.55	69	28792	32.76	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.52%#
11) 1,1-Dichloroethene-d2	2.11	63	68864	31.32	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.64%
21) 2-Butanone-d5	3.93	46	130727	98.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.82%
24) Chloroform-d	4.40	84	134604	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
26) 1,2-Dichloroethane-d4	5.08	65	94078	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
32) Benzene-d6	5.10	84	267824	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	6.12	67	95327	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.32%
41) Toluene-d8	7.36	98	245565	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%
43) trans-1,3-Dichloropropene-	7.66	79	45272	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
47) 2-Hexanone-d5	8.13	63	97314	96.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	120993	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.68	152	75495	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	2390	1.522 ug/L	99
3) Chloromethane	1.25	50	3765	2.239 ug/L	99
5) Vinyl chloride	1.32	62	2254	1.446 ug/L #	45
6) Bromomethane	1.51	94	932	2.180 ug/L	98
8) Chloroethane	1.57	64	1601	1.956 ug/L	95
9) Trichlorofluoromethane	1.75	101	3104	1.548 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2332	2.226 ug/L #	83
12) 1,1-Dichloroethene	2.12	96	2069	2.097 ug/L #	1
13) Acetone	2.19	43	4671	4.549 ug/L	95
14) Carbon disulfide	2.30	76	7647	1.721 ug/L	96
15) Methyl Acetate	2.46	43	3779	1.846 ug/L	100
16) Methylene chloride	2.53	84	2832	1.658 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	2508	1.668 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	9128	1.696 ug/L	98
19) 1,1-Dichloroethane	3.23	63	5024	1.620 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	2854	1.666 ug/L	99
22) 2-Butanone	4.03	43	5459	3.680 ug/L #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	658	0.814	ug/L	87
27) 1,2-Dichloroethane	5.18	62	4470	1.768	ug/L	99
29) Cyclohexane	4.72	56	4998	1.751	ug/L #	96
30) 1,1,1-Trichloroethane	4.65	97	4410	1.735	ug/L #	84
31) Carbon tetrachloride	4.87	117	3700	1.715	ug/L	90
33) Benzene	5.14	78	10993	1.716	ug/L	100
34) Trichloroethene	5.96	95	3082	1.879	ug/L	96
35) Methylcyclohexane	6.17	83	4642	1.664	ug/L	93
37) 1,2-Dichloropropane	6.22	63	3244	1.833	ug/L #	89
38) Bromodichloromethane	6.56	83	3935	1.745	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	4778	1.717	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	8536	3.257	ug/L	96
42) Toluene	7.43	91	12138	1.824	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	4885	1.877	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	2634	1.683	ug/L	91
46) Tetrachloroethene	8.02	164	1773	1.658	ug/L	92
48) 2-Hexanone	8.19	43	7489	3.704	ug/L	97
49) Dibromochloromethane	8.29	129	2530	1.505	ug/L	88
50) 1,2-Dibromoethane	8.40	107	2677	1.631	ug/L #	91
51) Chlorobenzene	8.93	112	6879	1.679	ug/L	91
52) Ethylbenzene	9.06	91	12577	1.687	ug/L	97
53) m,p-Xylene	9.18	106	4682	1.719	ug/L	93
54) o-xylene	9.59	106	4581	1.684	ug/L	94
55) Styrene	9.61	104	6987	1.525	ug/L	96
56) Isopropylbenzene	9.98	105	11202	1.574	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	5113	1.866	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	3603	1.625	ug/L	95
61) Bromoform	9.78	173	1662	1.704	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	4430	1.733	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	4458	1.740	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	4500	1.727	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	2522	1.511	ug/L	94
68) 1,2,4-trichlorobenzene	13.32	180	1790	1.326	ug/L	98
69) Naphthalene	13.56	128	4881	1.118	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	1834	1.359	ug/L	93

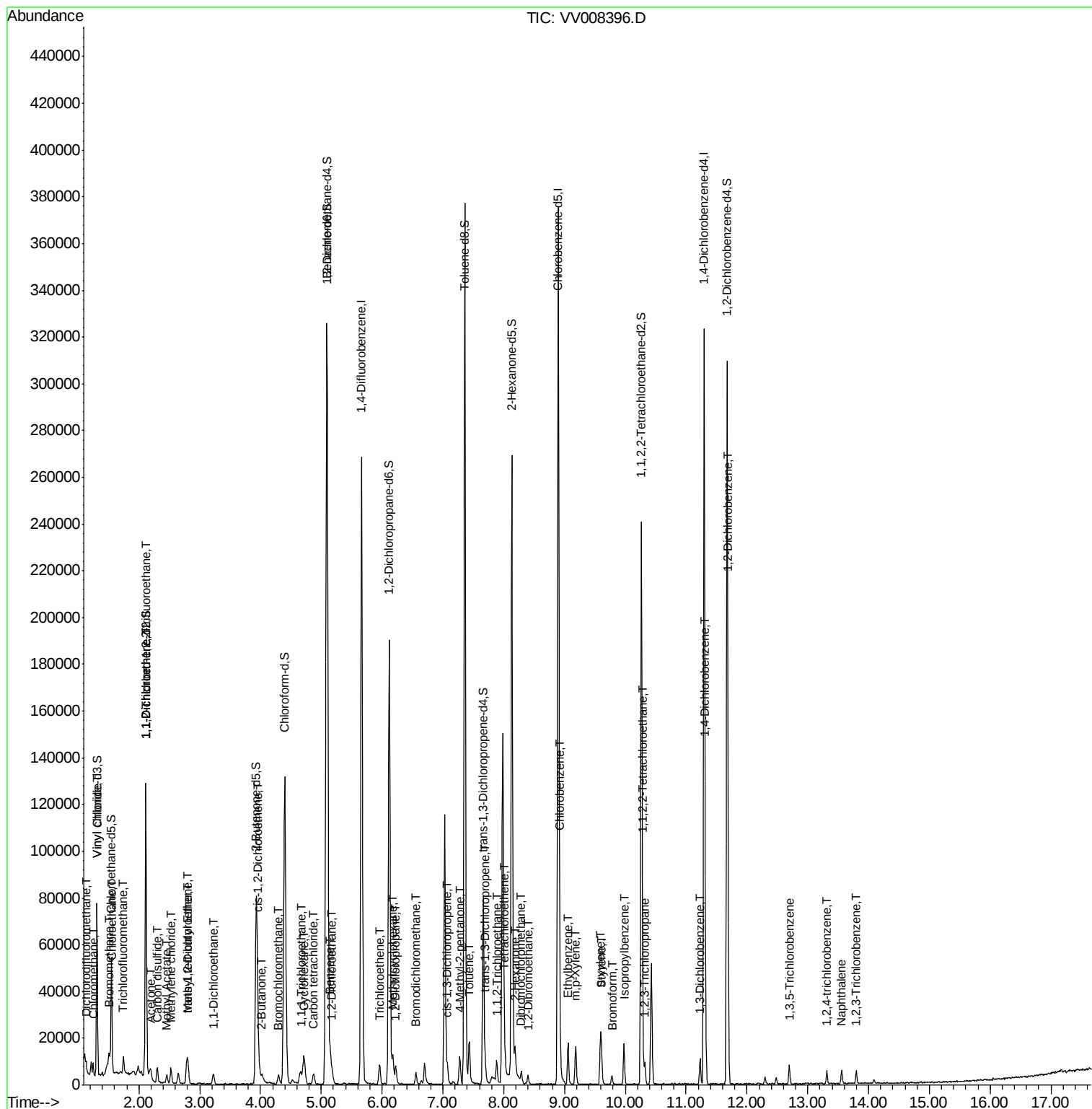
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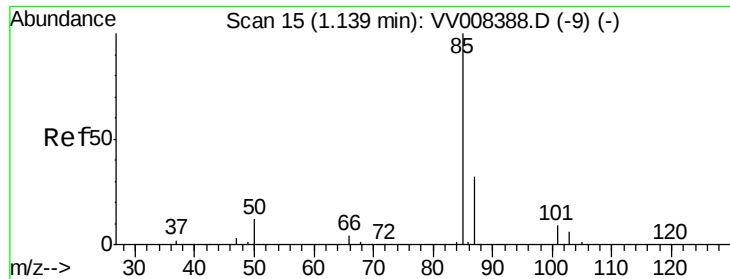
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#2

Dichlorodifluoromethane

Concen: 1.522 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

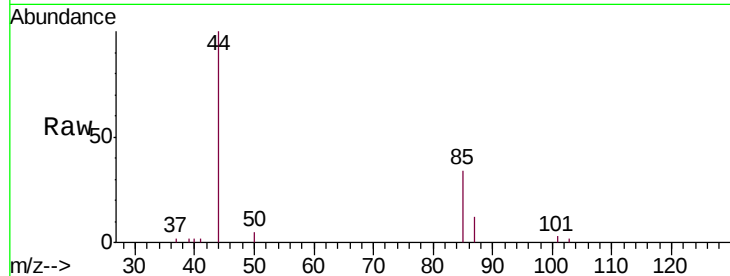
MDL07

Tgt Ion: 85 Resp: 2390

Ion Ratio Lower Upper

85 100

87 31.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

2500

2000

1500

1000

500

0

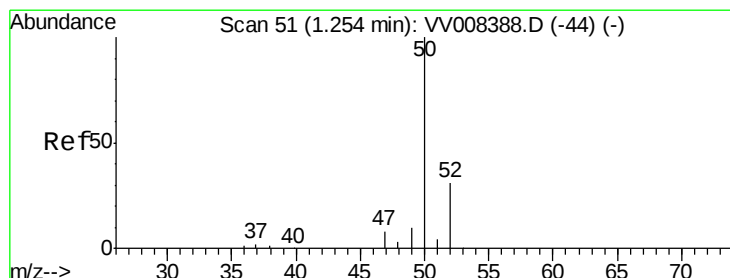
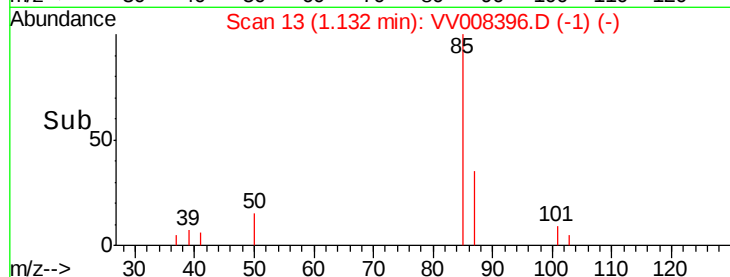
1.10

1.12

1.14

1.16

Time-->



#3

Chloromethane

Concen: 2.239 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV008396.D

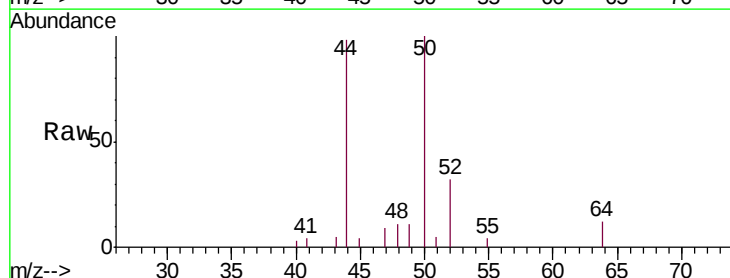
Acq: 24 Oct 2018 17:01

Tgt Ion: 50 Resp: 3765

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

3000

2000

1000

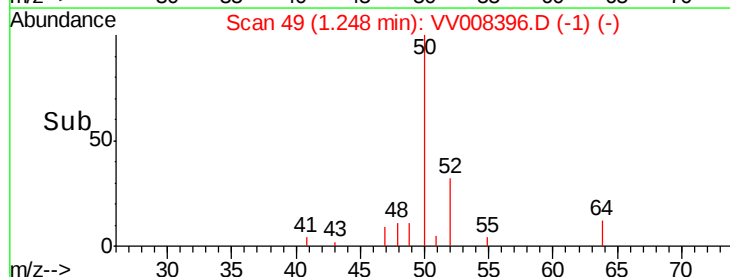
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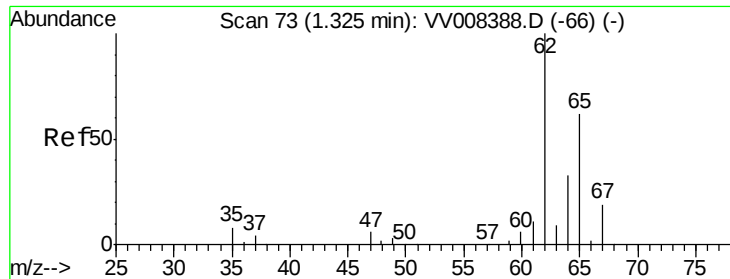
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 1.446 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

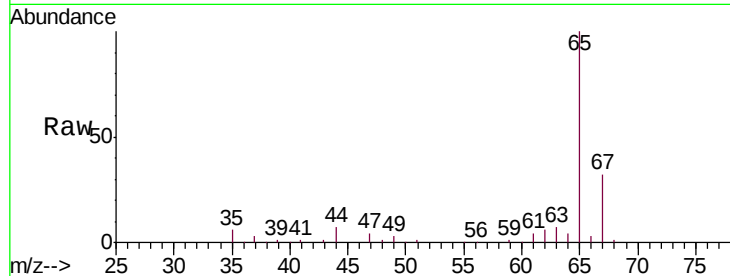
MDL07

Tgt Ion: 62 Resp: 2254

Ion Ratio Lower Upper

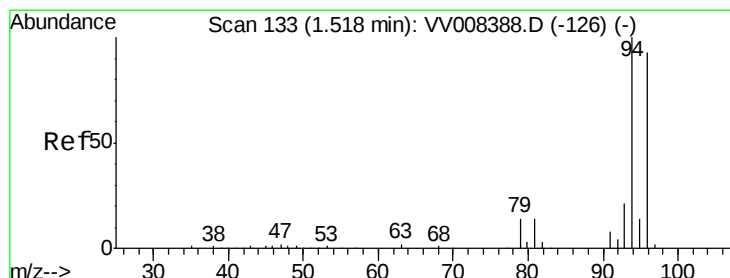
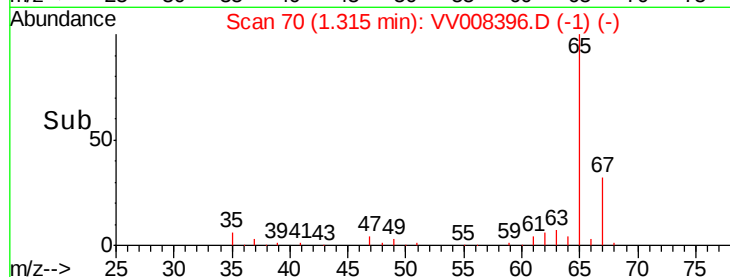
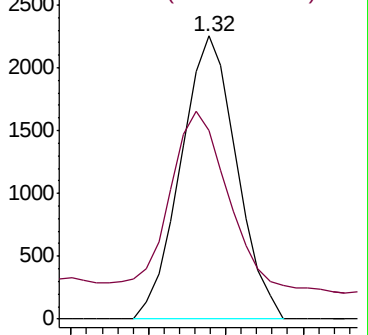
62 100

64 66.7 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: 2.180 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV008396.D

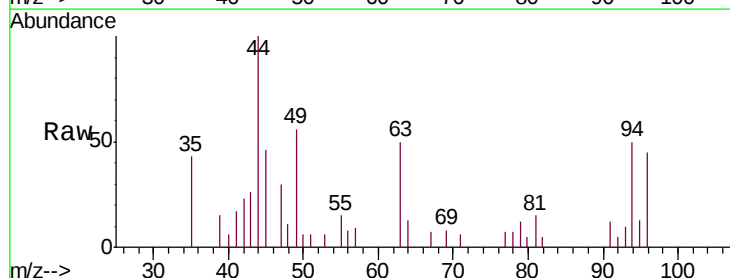
Acq: 24 Oct 2018 17:01

Tgt Ion: 94 Resp: 932

Ion Ratio Lower Upper

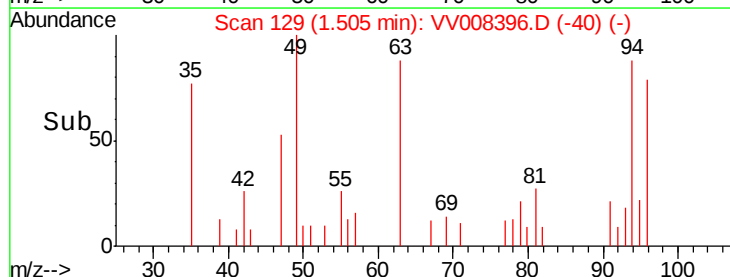
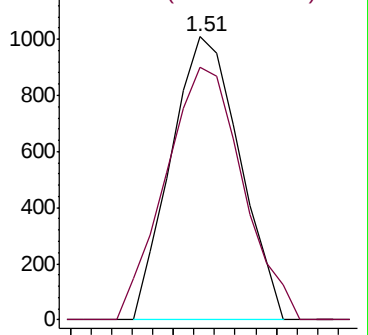
94 100

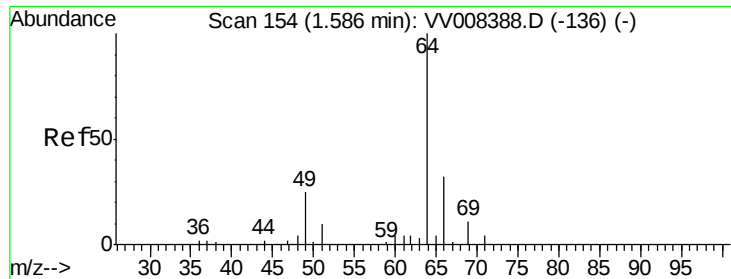
96 89.4 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.956 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.02 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

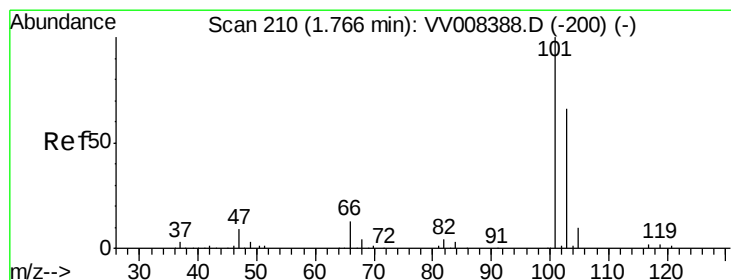
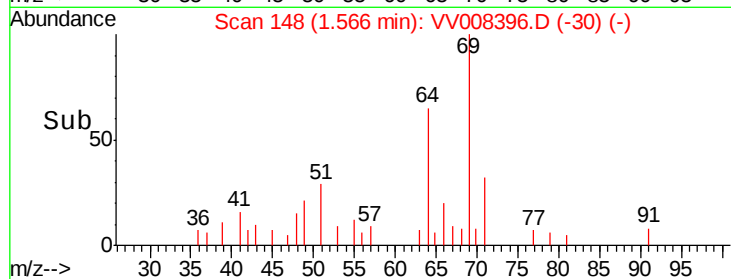
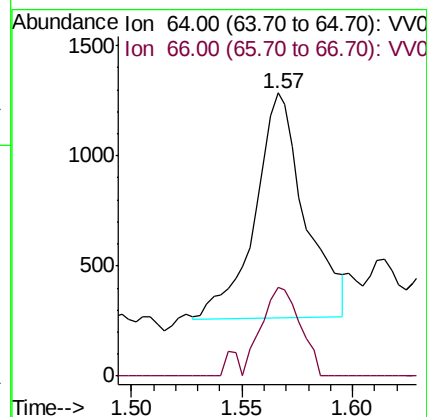
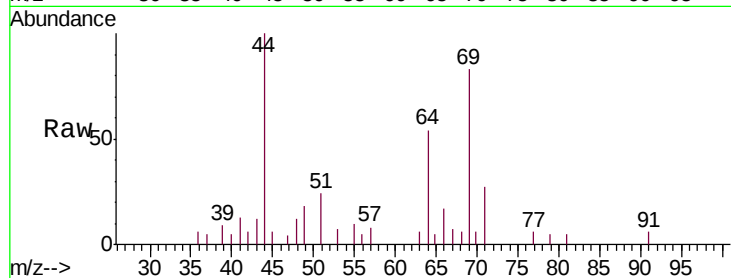
MDL07

Tgt Ion: 64 Resp: 1601

Ion Ratio Lower Upper

64 100

66 31.3 19.9 36.9



#9

Trichlorofluoromethane

Concen: 1.548 ug/L

RT: 1.75 min Scan# 204

Delta R.T. -0.02 min

Lab File: VV008396.D

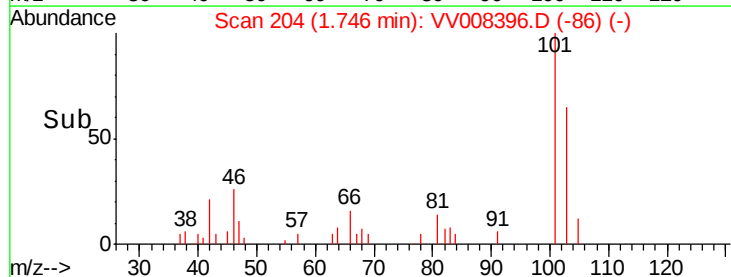
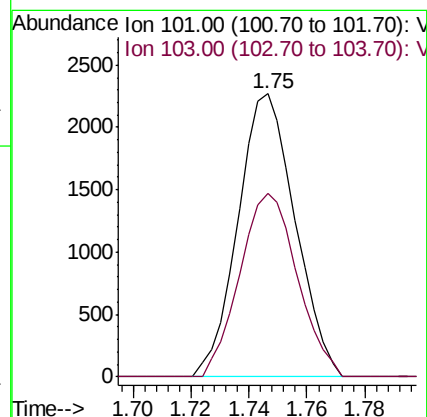
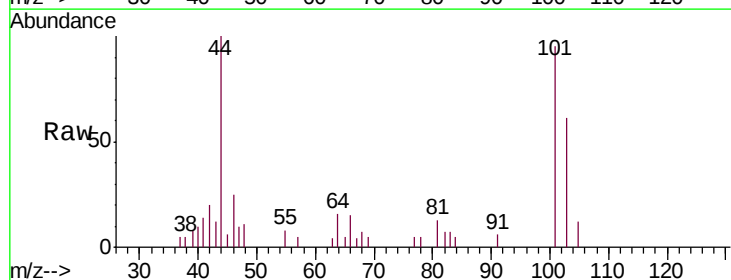
Acq: 24 Oct 2018 17:01

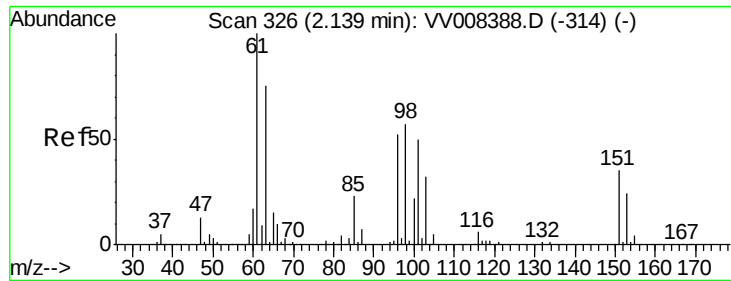
Tgt Ion: 101 Resp: 3104

Ion Ratio Lower Upper

101 100

103 65.3 51.0 76.6





#10

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

Concen: 2.226 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

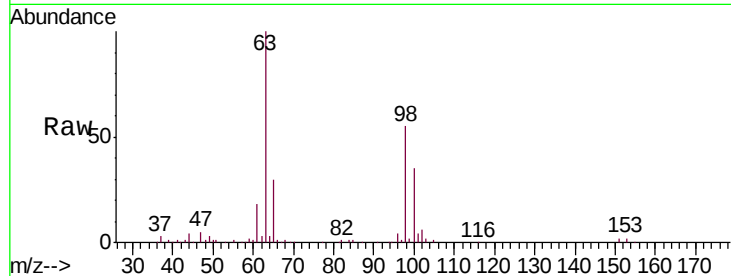
Tgt Ion: 101 Resp: 2332

Ion Ratio Lower Upper

101 100

85 36.0 35.6 53.4

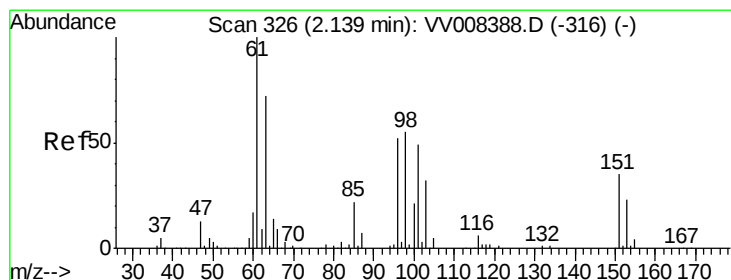
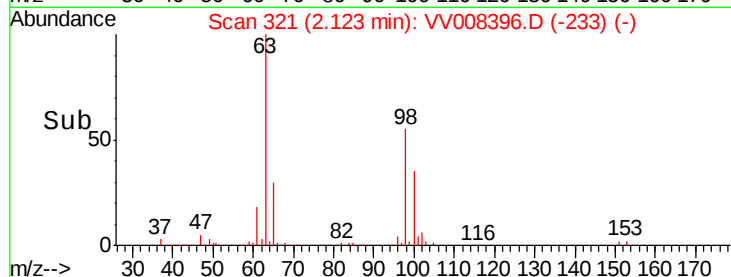
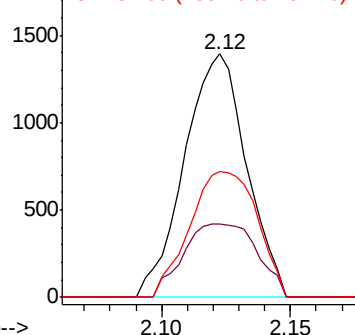
151 56.4 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): VV008396.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV008396.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV008396.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 2.097 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

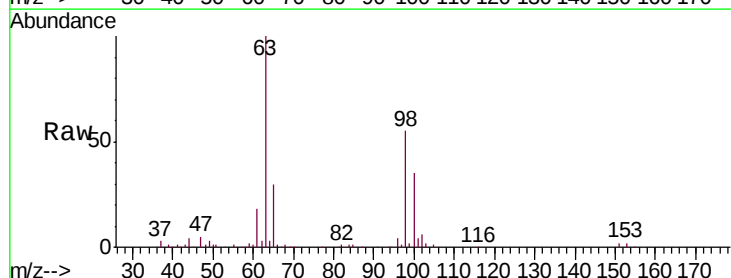
Tgt Ion: 96 Resp: 2069

Ion Ratio Lower Upper

96 100

61 457.7 130.3 242.1#

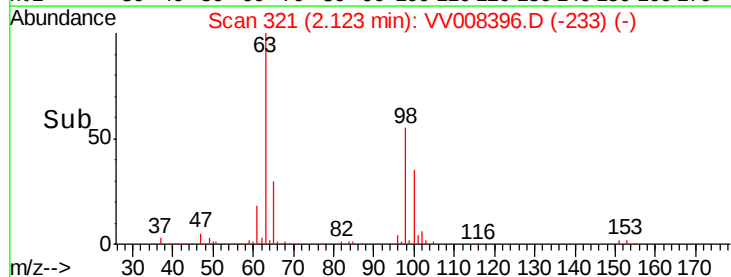
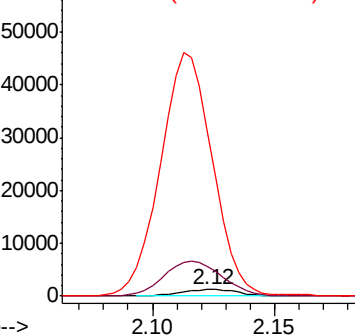
63 2511.0 84.4 156.8#

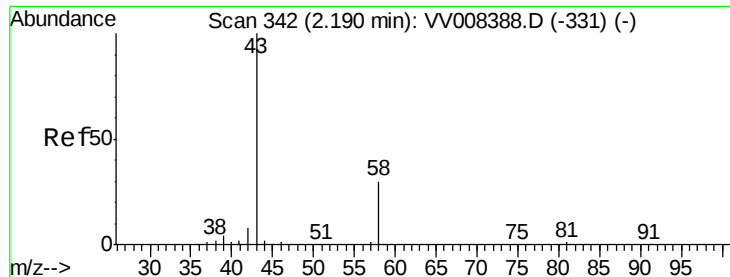


Abundance Ion 96.00 (95.70 to 96.70): VV008396.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV008396.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV008396.D (-233) (-)





#13

Acetone

Concen: 4.549 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

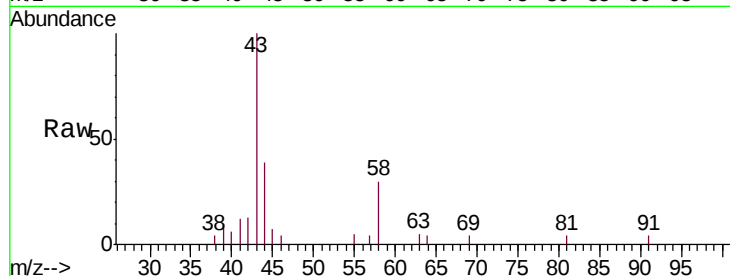
MDL07

Tgt Ion: 43 Resp: 4671

Ion Ratio Lower Upper

43 100

58 33.3 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) (-)

2.19

3000

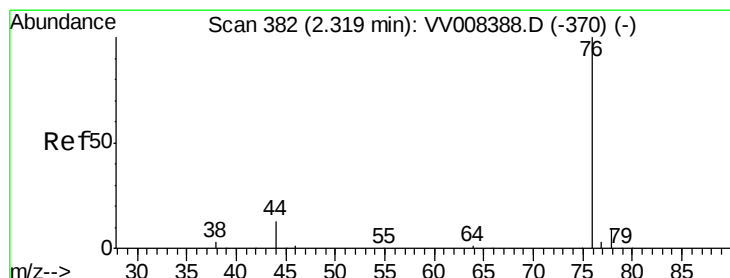
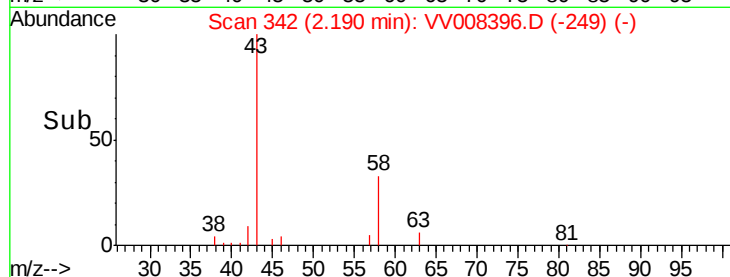
2000

1000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 1.721 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.02 min

Lab File: VV008396.D

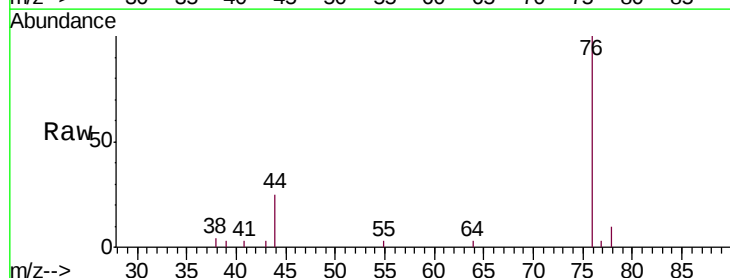
Acq: 24 Oct 2018 17:01

Tgt Ion: 76 Resp: 7647

Ion Ratio Lower Upper

76 100

78 10.4 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) (-)

2.30

5000

4000

3000

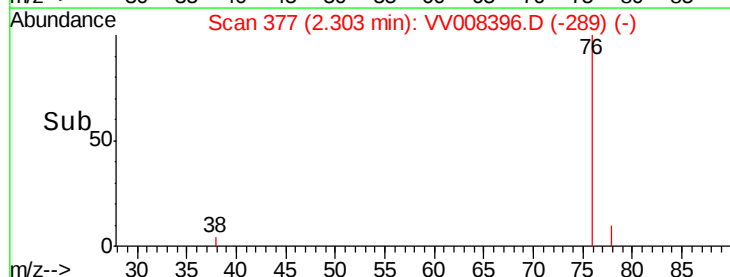
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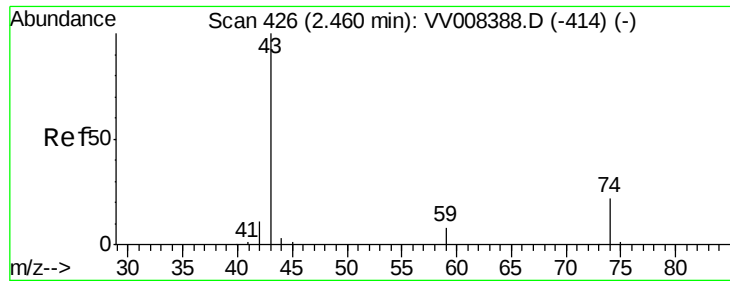
1000

0

2.25 2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 1.846 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

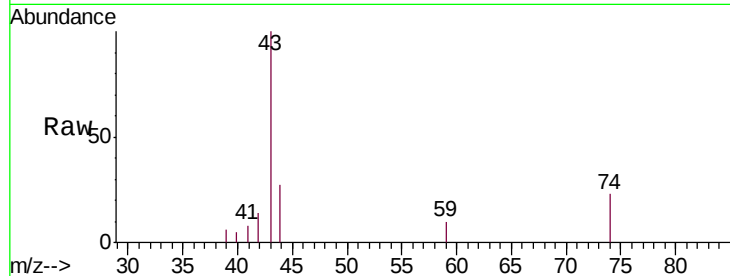
MDL07

Tgt Ion: 43 Resp: 3779

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV008388.D (-414) (-)

2500

2000

1500

1000

500

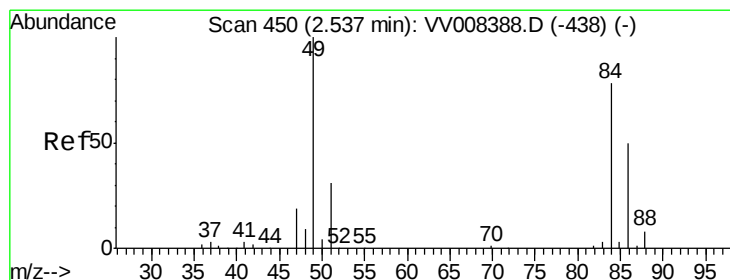
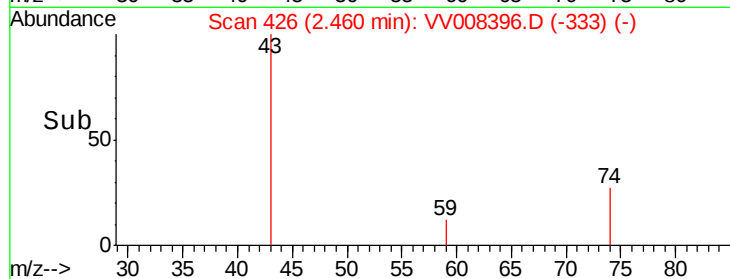
0

2.40

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 1.658 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

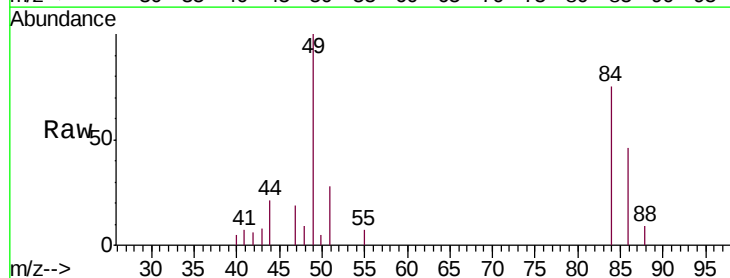
Tgt Ion: 84 Resp: 2832

Ion Ratio Lower Upper

84 100

86 60.6 45.6 84.6

49 132.6 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV008388.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008388.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV008388.D (-438) (-)

3000

2500

2000

1500

1000

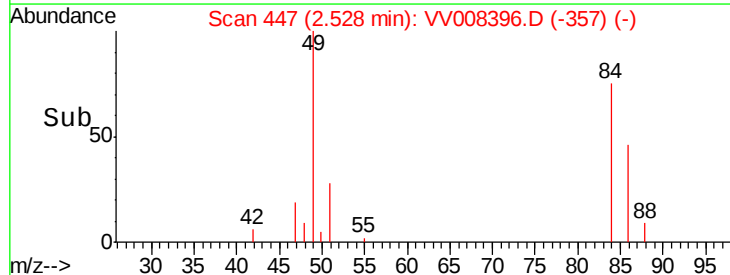
500

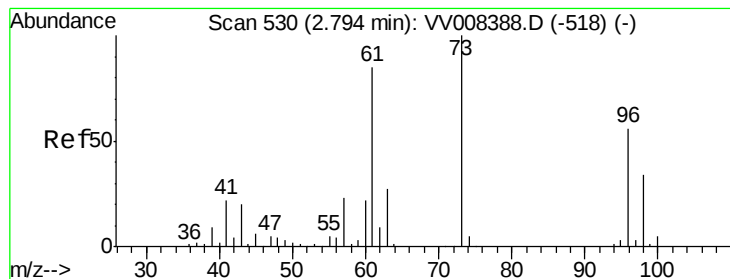
0

2.50

2.55

Time-->





#17

trans-1,2-Dichloroethene

Concen: 1.668 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

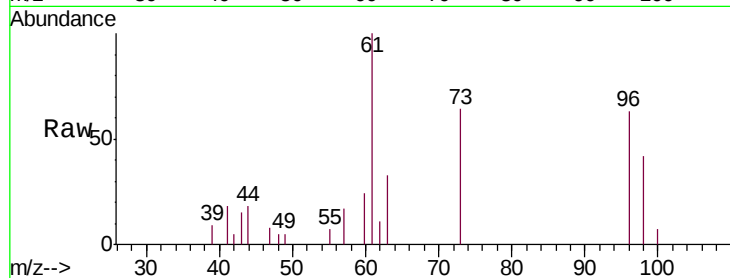
Tgt Ion: 96 Resp: 2508

Ion Ratio Lower Upper

96 100

61 158.8 108.6 201.6

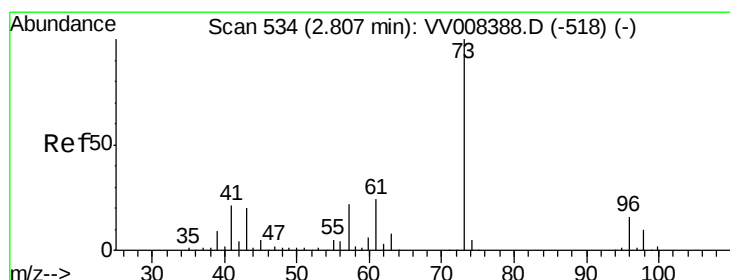
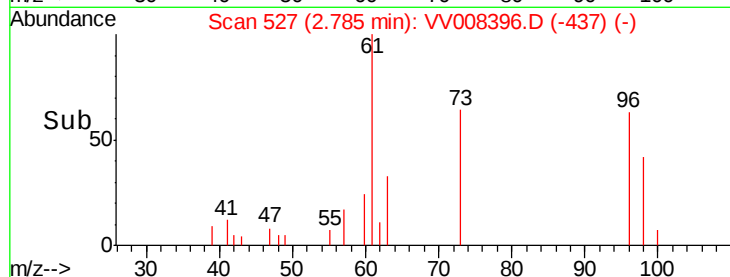
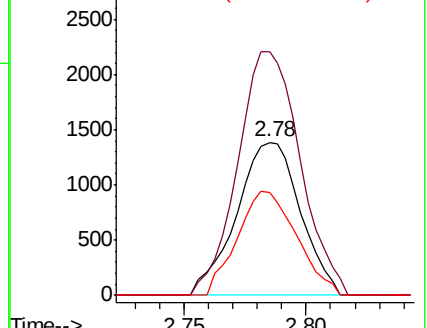
98 67.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008396.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008396.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008396.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 1.696 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

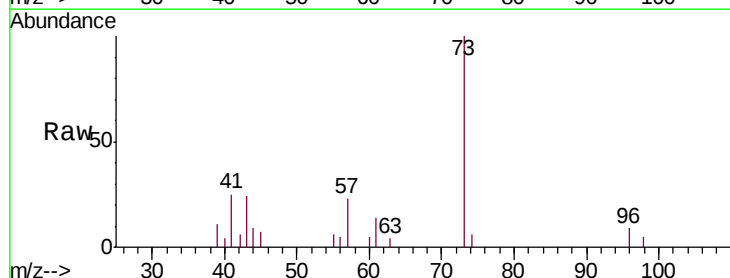
Tgt Ion: 73 Resp: 9128

Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.4

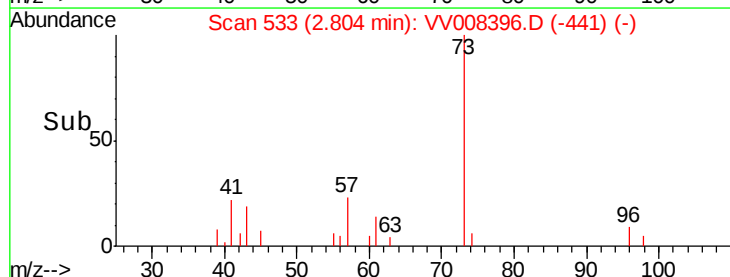
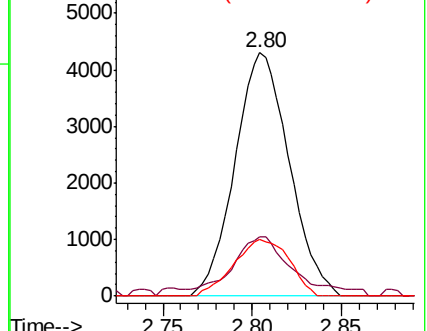
57 23.8 18.2 27.2

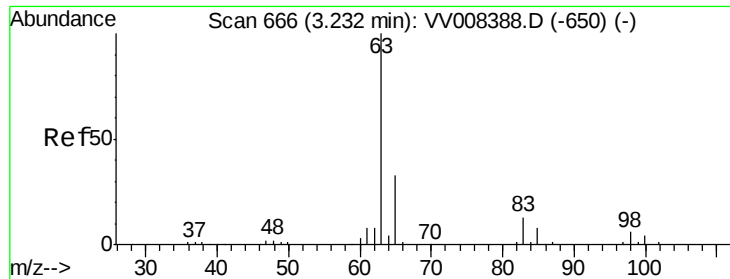


Abundance Ion 73.00 (72.70 to 73.70): VV008396.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008396.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008396.D (-441) (-)

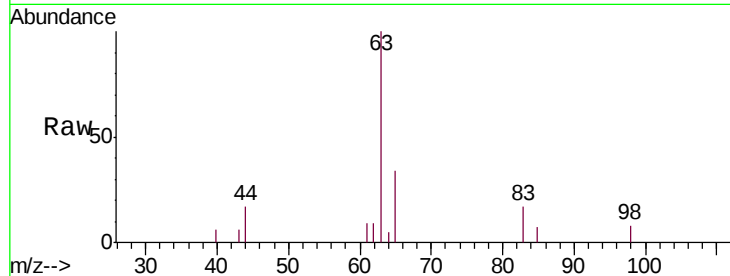




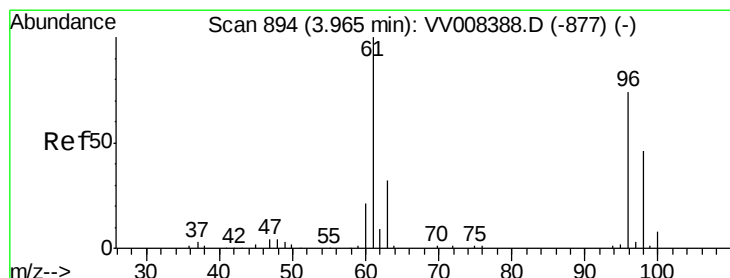
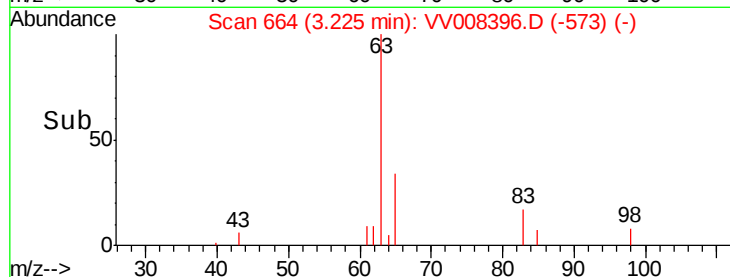
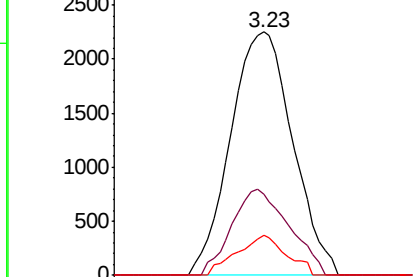
#19
 1,1-Dichloroethane
 Concen: 1.620 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 5024
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.0 40.8
 83 16.6 9.3 17.3

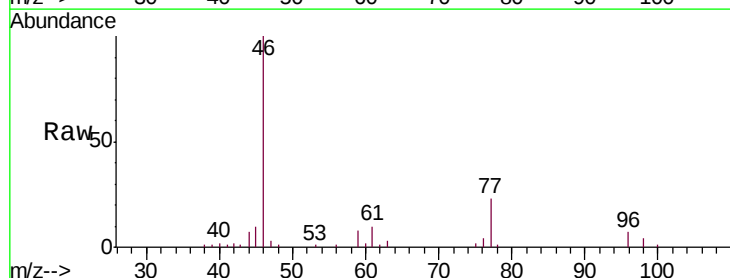


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

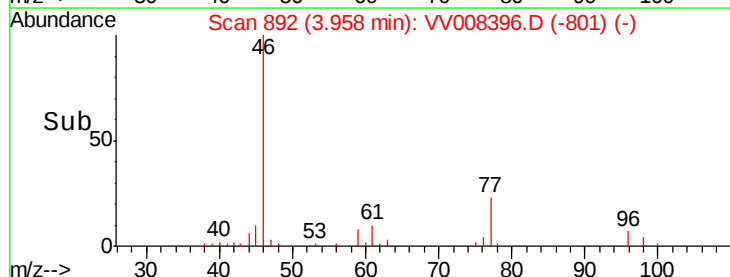
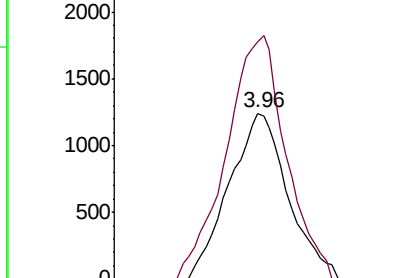


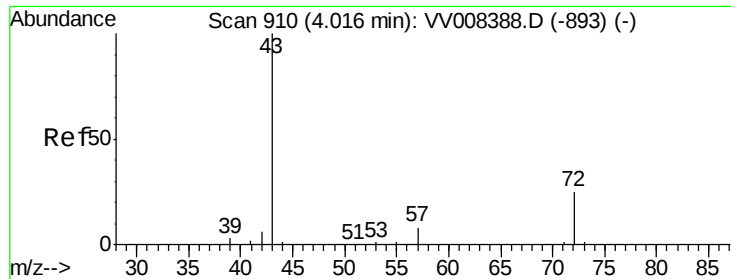
#20
 cis-1,2-Dichloroethene
 Concen: 1.666 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 96 Resp: 2854
 Ion Ratio Lower Upper
 96 100
 61 143.0 100.9 187.5
 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: 3.680 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

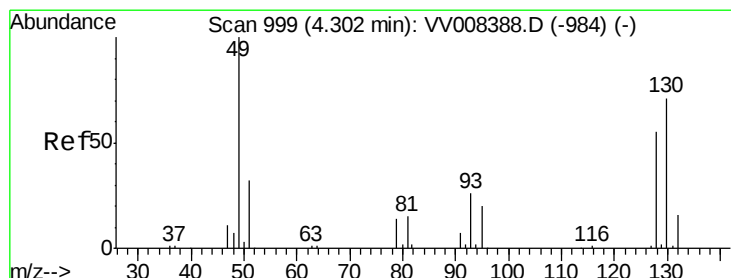
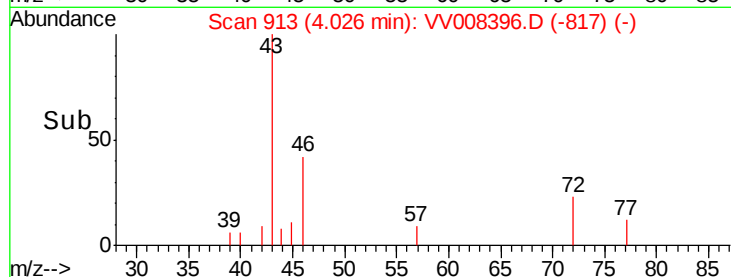
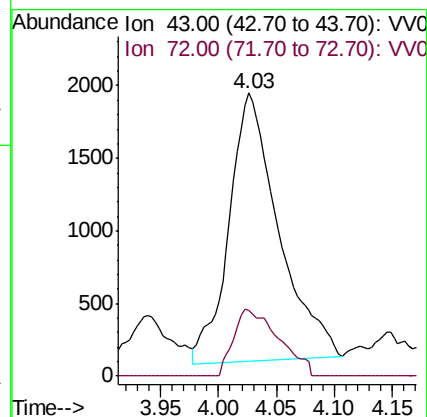
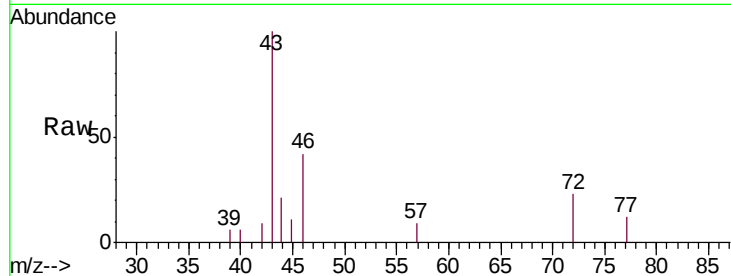
MDL07

Tgt Ion: 43 Resp: 5459

Ion Ratio Lower Upper

43 100

72 11.3 13.0 38.9#



#23

Bromochloromethane

Concen: 0.814 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 128 Resp: 658

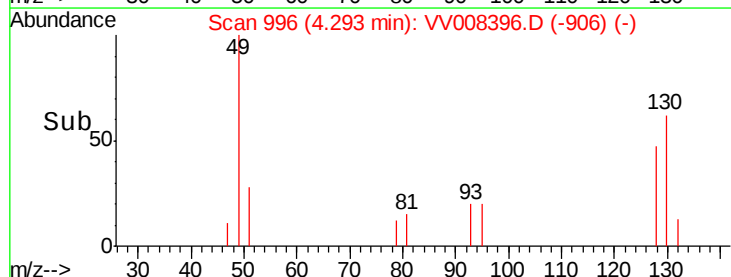
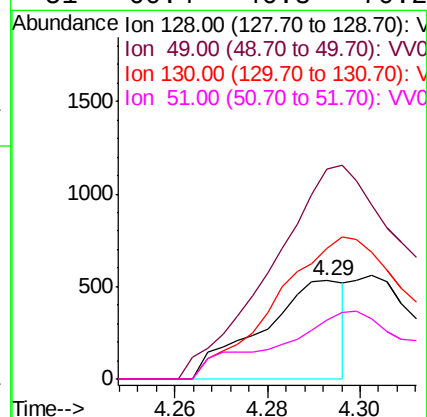
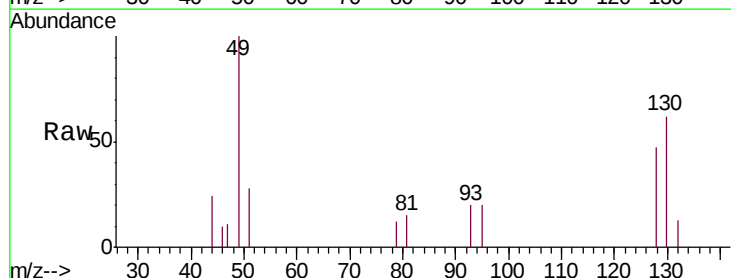
Ion Ratio Lower Upper

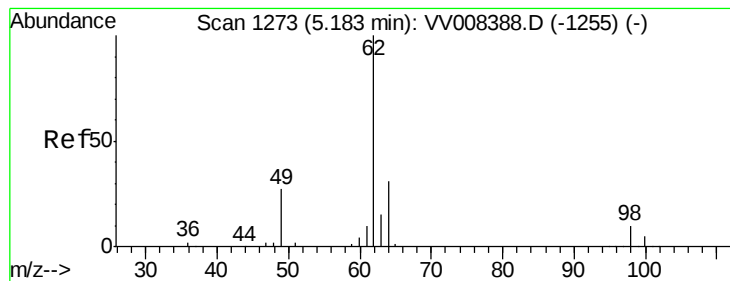
128 100

49 213.6 128.0 237.8

130 133.2 89.2 165.8

51 60.4 46.8 70.2





#27

1,2-Dichloroethane

Concen: 1.768 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

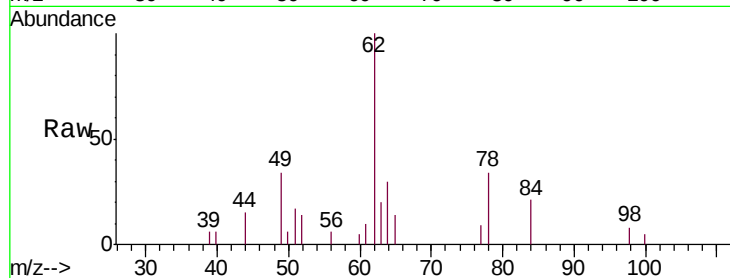
MDL07

Tgt Ion: 62 Resp: 4470

Ion Ratio Lower Upper

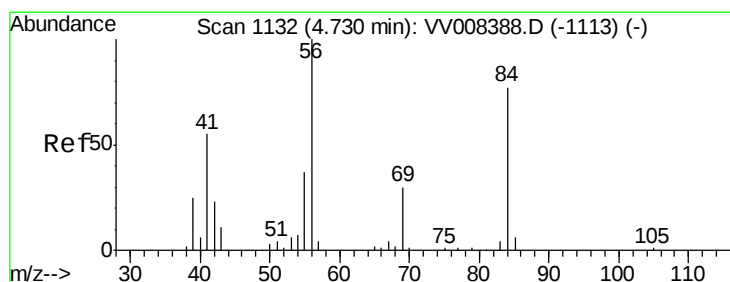
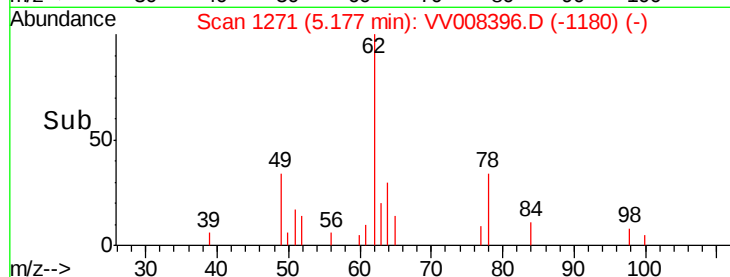
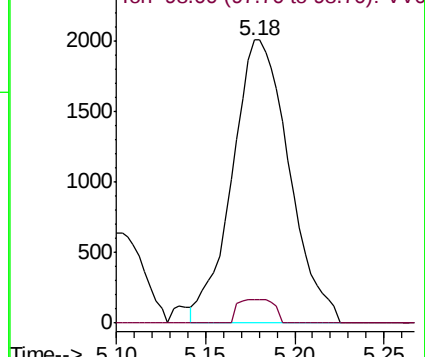
62 100

98 8.4 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 1.751 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

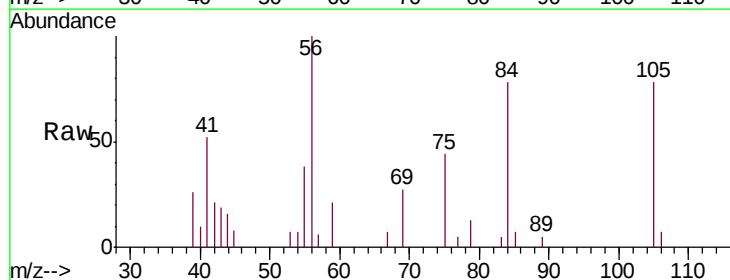
Tgt Ion: 56 Resp: 4998

Ion Ratio Lower Upper

56 100

69 22.9 24.6 37.0#

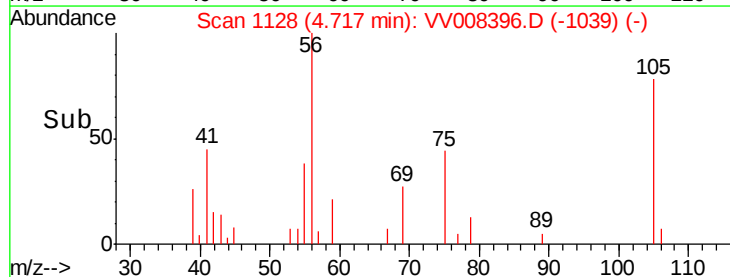
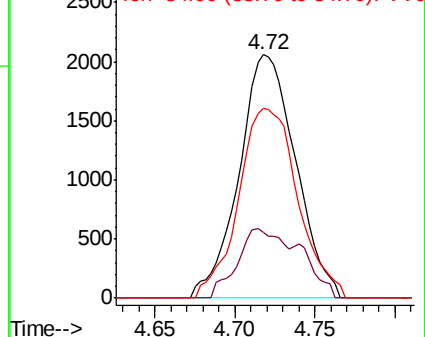
84 81.4 65.0 97.4

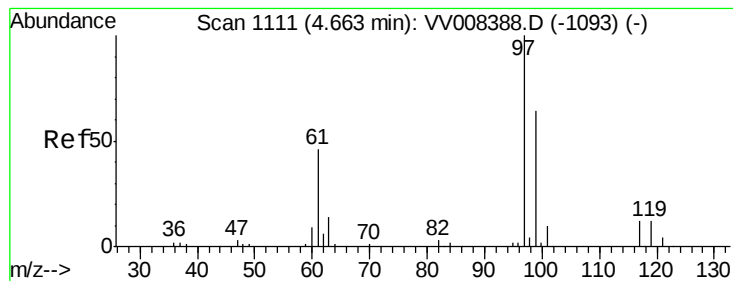


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 1.735 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

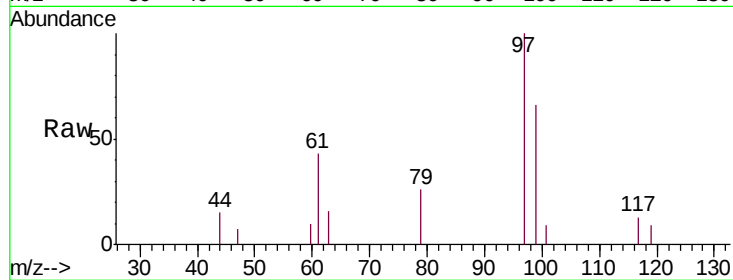
Tgt Ion: 97 Resp: 4410

Ion Ratio Lower Upper

97 100

99 59.5 51.6 77.4

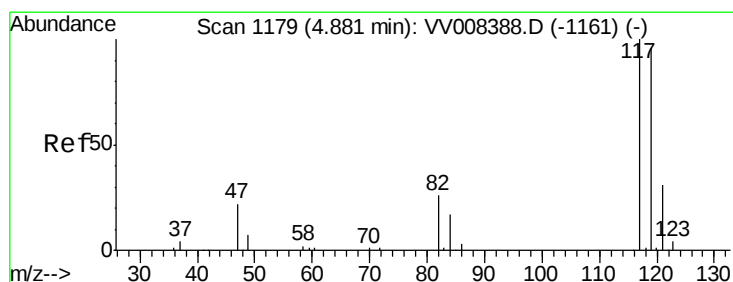
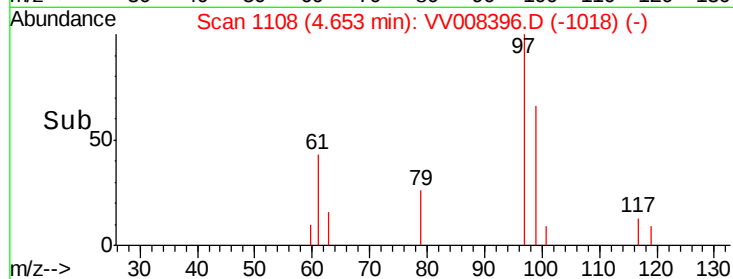
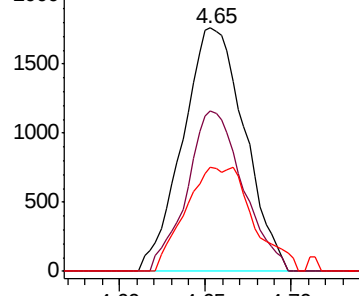
61 26.0 36.5 54.7#



Abundance Ion 97.00 (96.70 to 97.70): VV008388.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008388.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008388.D (-1093) (-)



#31

Carbon tetrachloride

Concen: 1.715 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008396.D

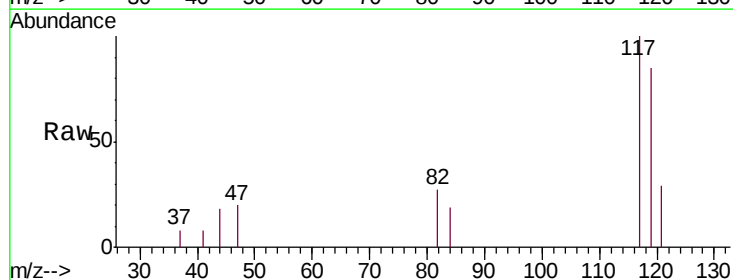
Acq: 24 Oct 2018 17:01

Tgt Ion: 117 Resp: 3700

Ion Ratio Lower Upper

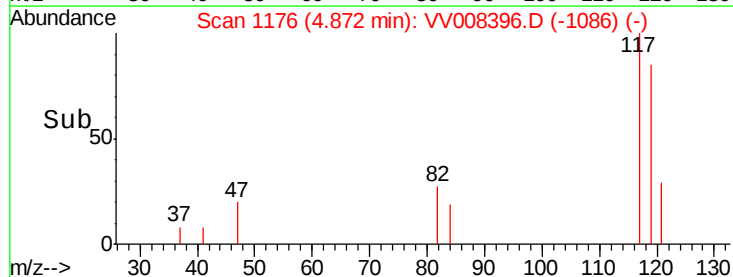
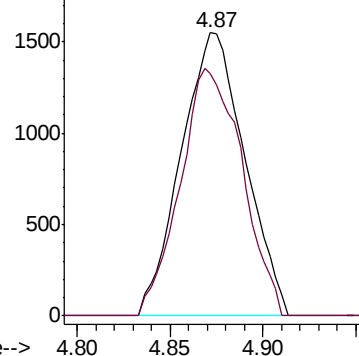
117 100

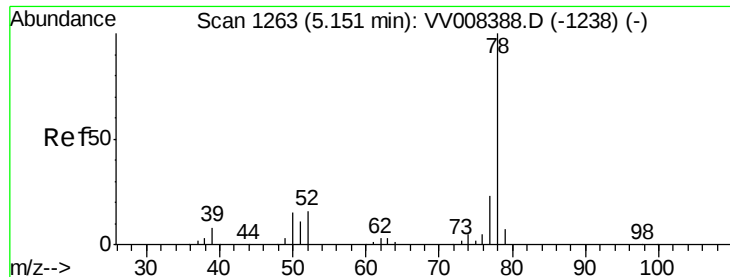
119 85.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): VV008388.D (-1161) (-)

Ion 119.00 (118.70 to 119.70): VV008388.D (-1161) (-)

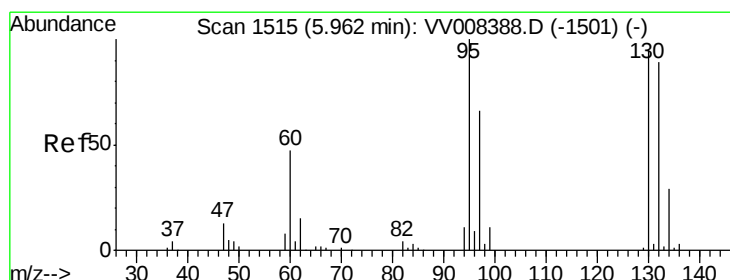
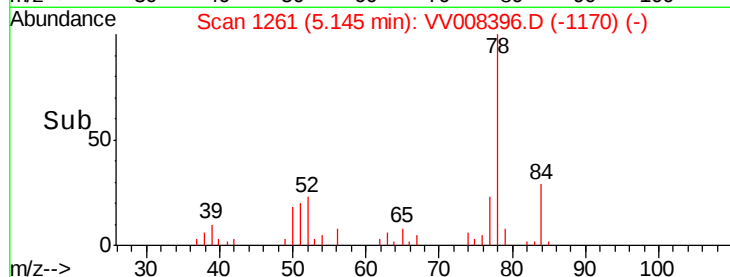
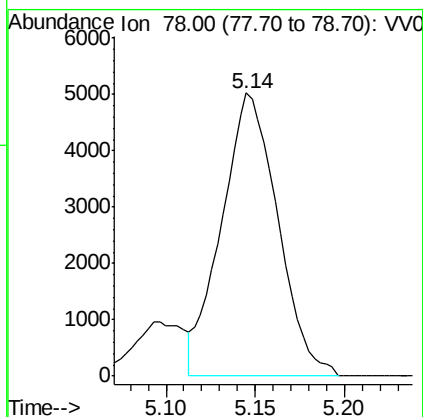
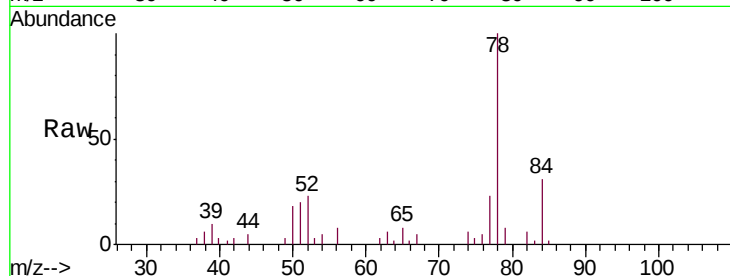




#33
Benzene
Concen: 1.716 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 78 Resp: 10993

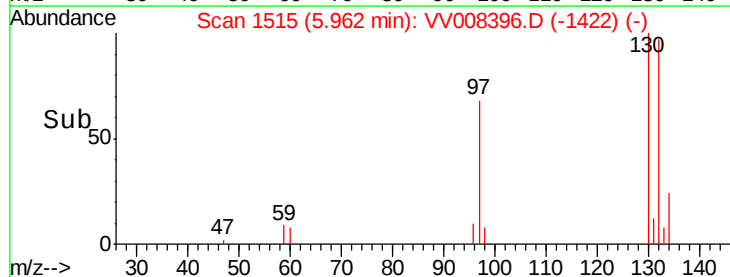
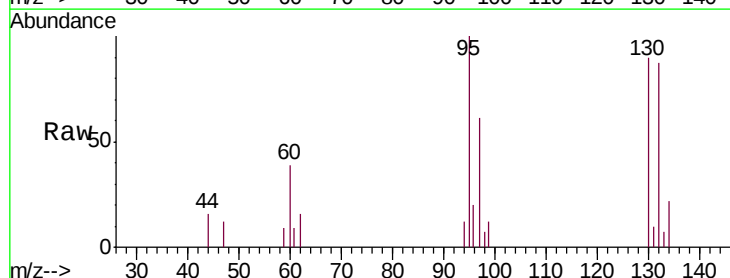
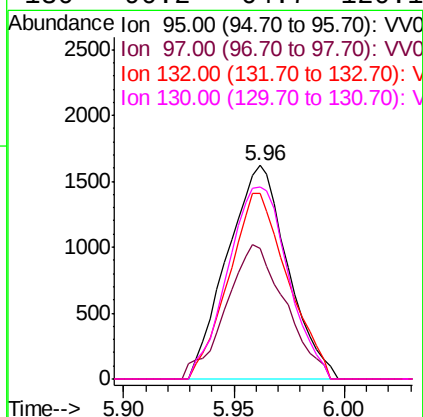
Instrument :
MSVOA_V
ClientSampled :
MDL07

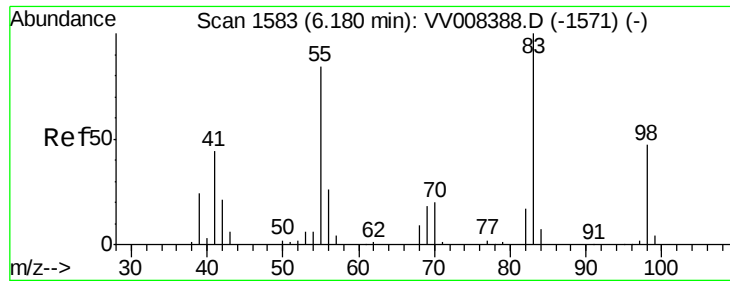


#34
Trichloroethene
Concen: 1.879 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 95 Resp: 3082

Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.2	84.0
132	87.2	63.8	118.6
130	90.2	64.7	120.1

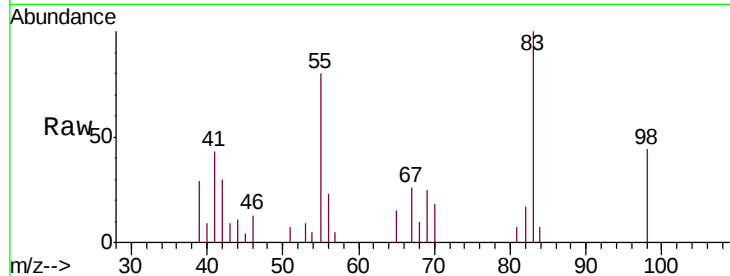




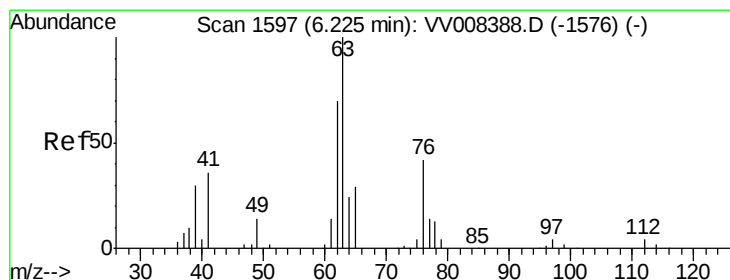
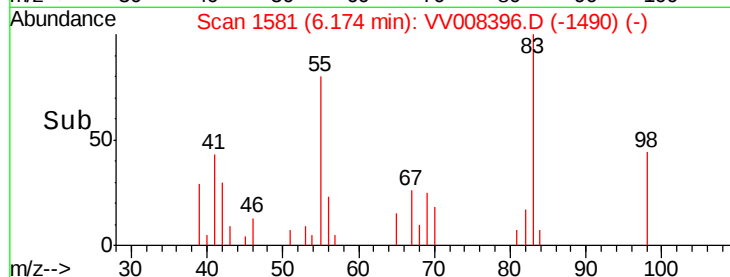
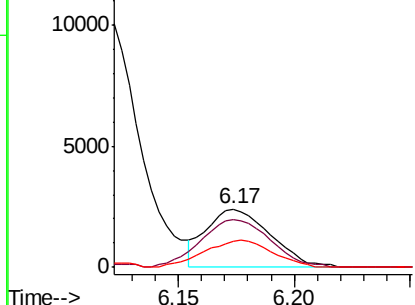
#35
Methylcyclohexane
Concen: 1.664 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 83 Resp: 4642
Ion Ratio Lower Upper
83 100
55 88.5 65.0 97.4
98 48.9 36.0 54.0

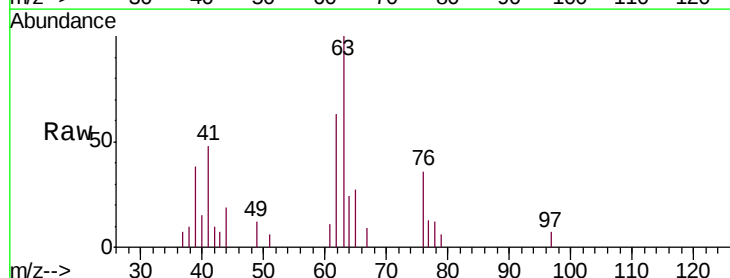


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

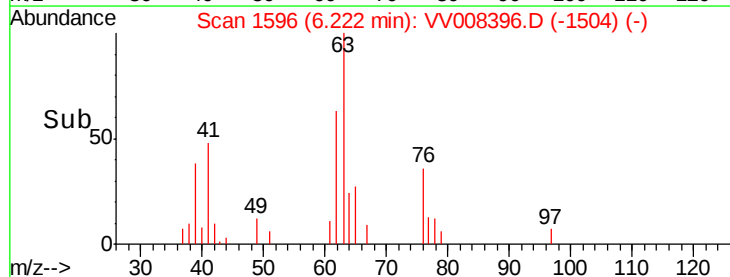
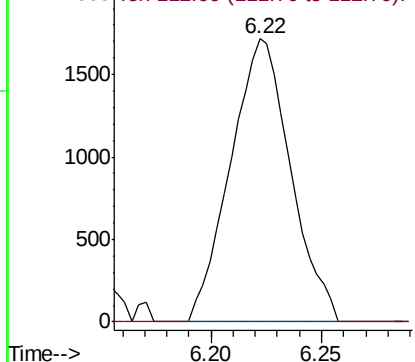


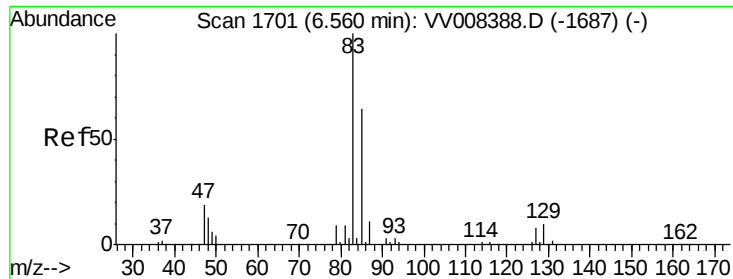
#37
1,2-Dichloropropane
Concen: 1.833 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 63 Resp: 3244
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



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

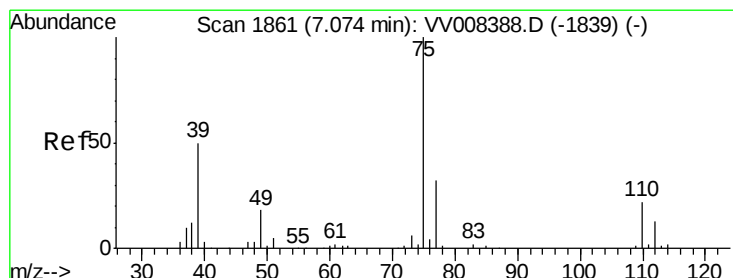
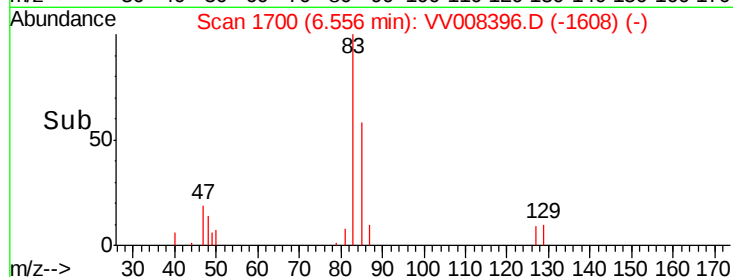
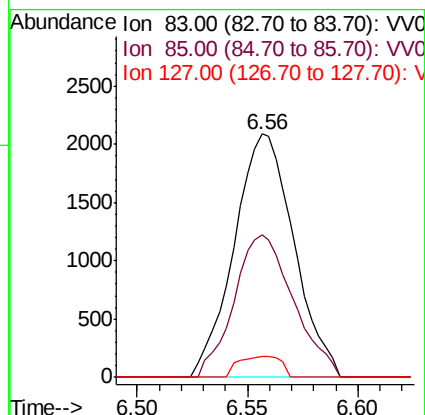
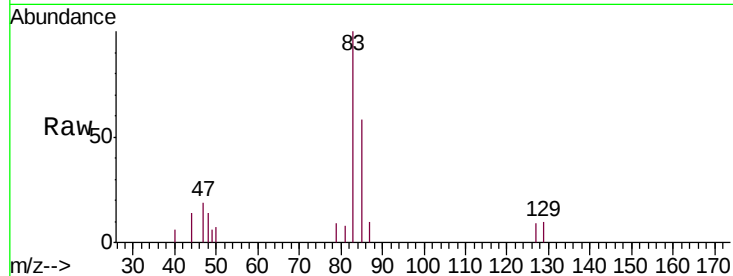




#38
 Bromodichloromethane
 Concen: 1.745 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

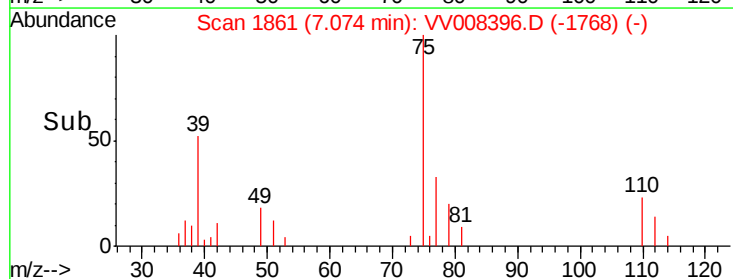
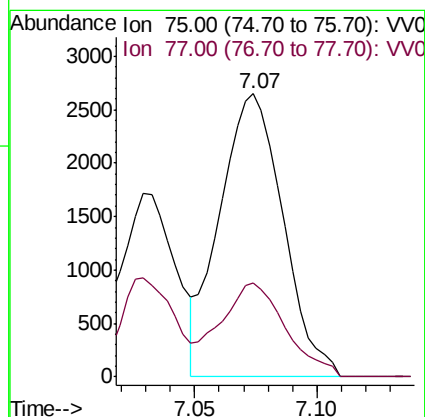
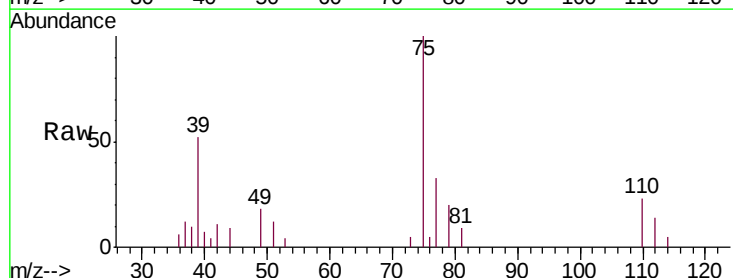
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

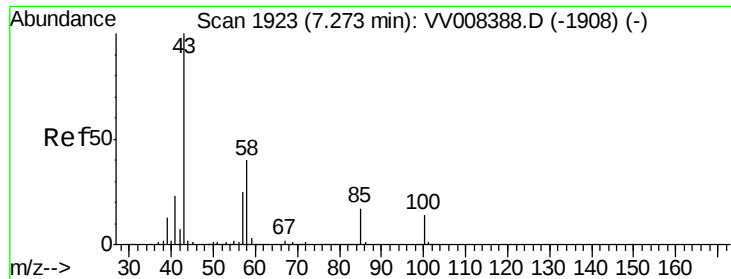
Tgt Ion: 83 Resp: 3935
 Ion Ratio Lower Upper
 83 100
 85 58.4 44.3 82.3
 127 8.6 6.3 9.5



#39
 cis-1,3-Dichloropropene
 Concen: 1.717 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 75 Resp: 4778
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.6 42.0

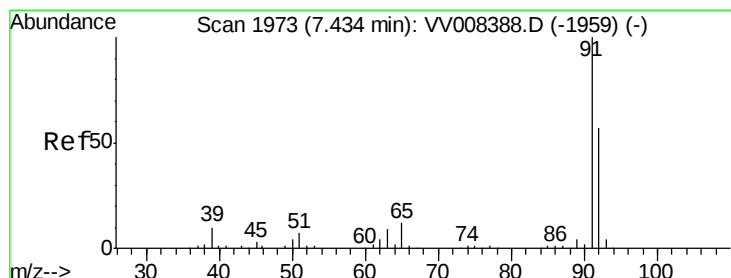
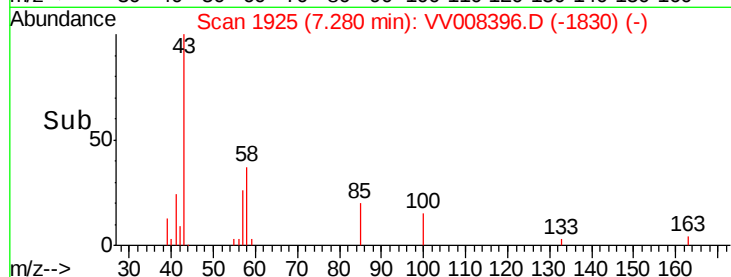
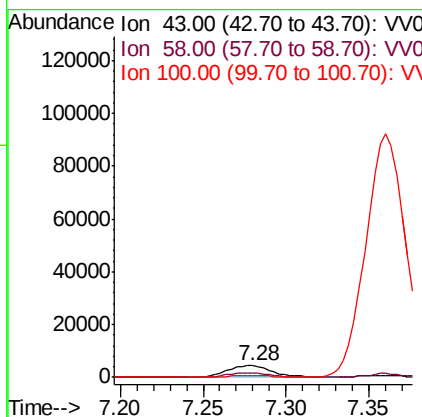
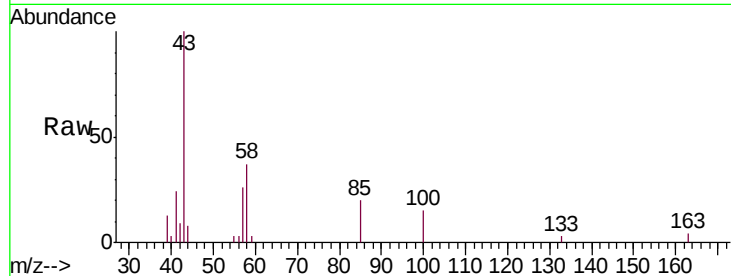




#40
4-Methyl-2-pentanone
Concen: 3.257 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

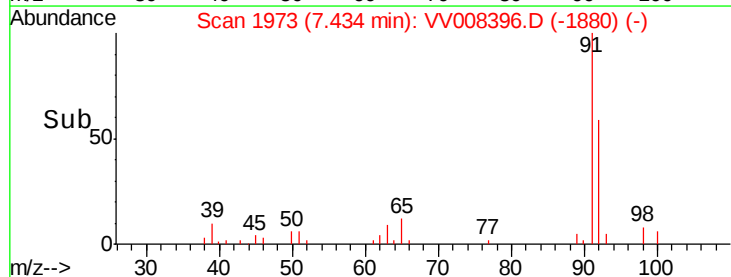
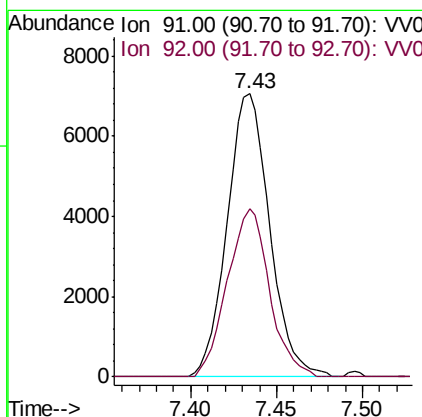
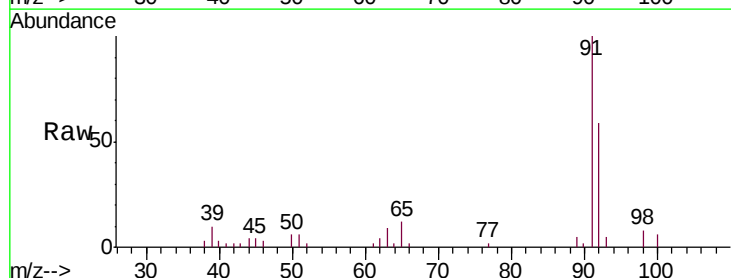
Instrument :
MSVOA_V
ClientSampled :
MDL07

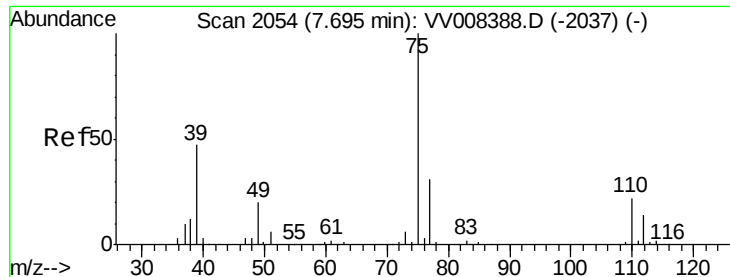
Tgt Ion: 43 Resp: 8536
Ion Ratio Lower Upper
43 100
58 35.8 30.9 46.3
100 13.4 10.9 16.3



#42
Toluene
Concen: 1.824 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 91 Resp: 12138
Ion Ratio Lower Upper
91 100
92 59.2 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 1.877 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

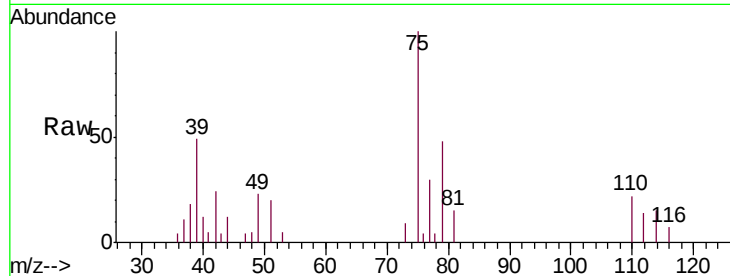
MDL07

Tgt Ion: 75 Resp: 4885

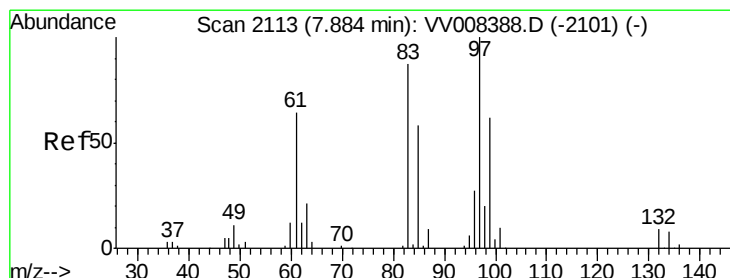
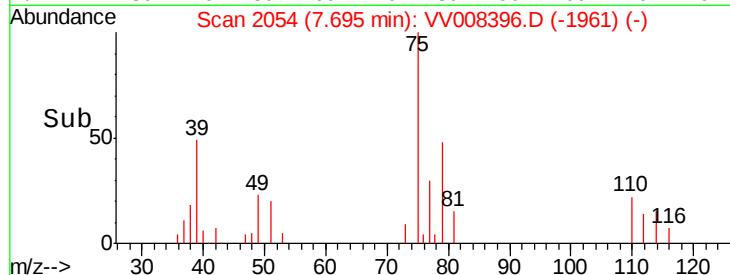
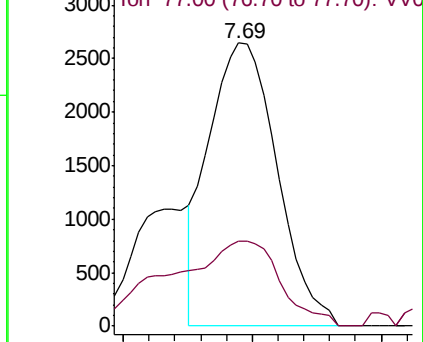
Ion Ratio Lower Upper

75 100

77 29.9 21.8 40.4



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



#45

1,1,2-Trichloroethane

Concen: 1.683 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 97 Resp: 2634

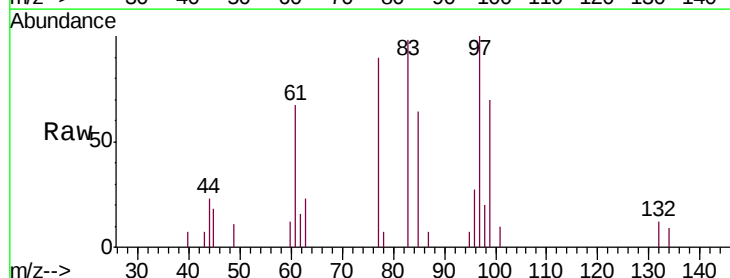
Ion Ratio Lower Upper

97 100

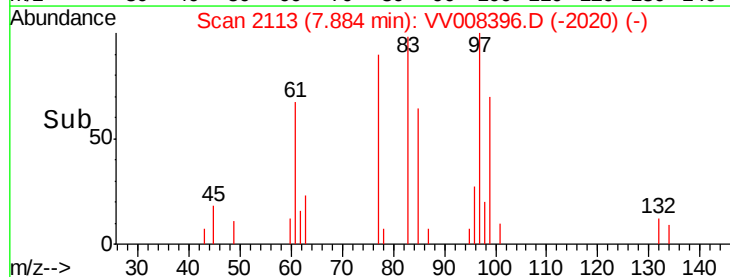
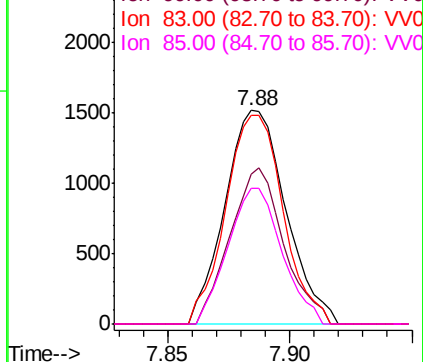
99 69.9 43.3 80.3

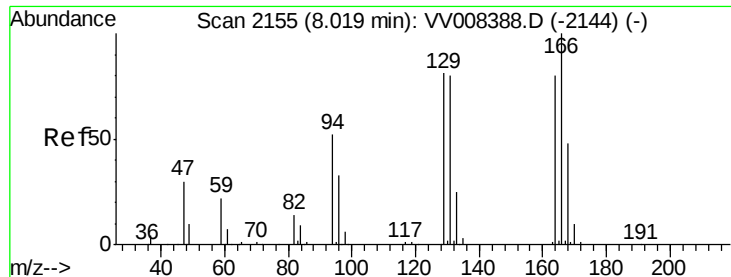
83 97.8 61.9 114.9

85 63.6 40.9 75.9



Abundance Ion 97.00 (96.70 to 97.70): VV008388.D (-2101) (-)

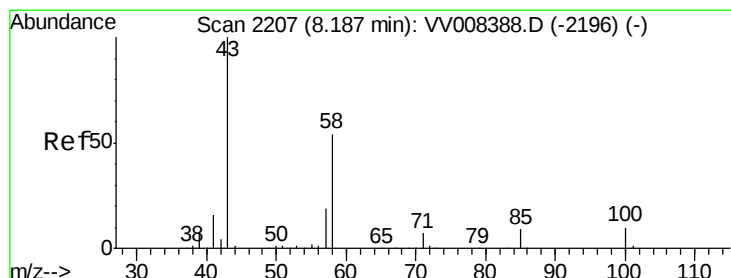
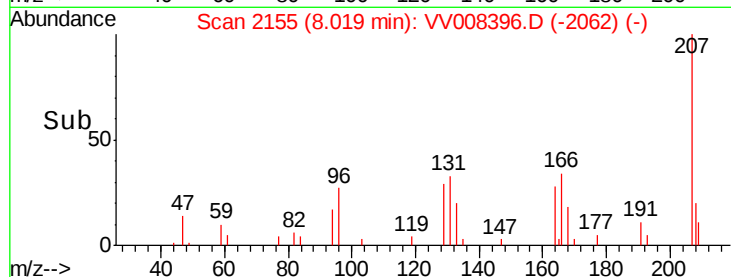
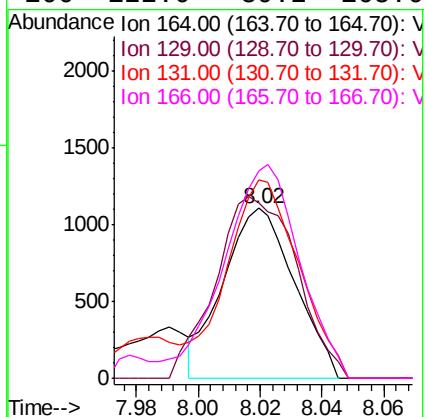
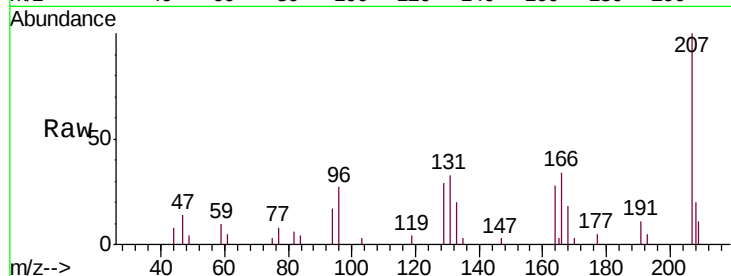




#46
Tetrachloroethene
Concen: 1.658 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

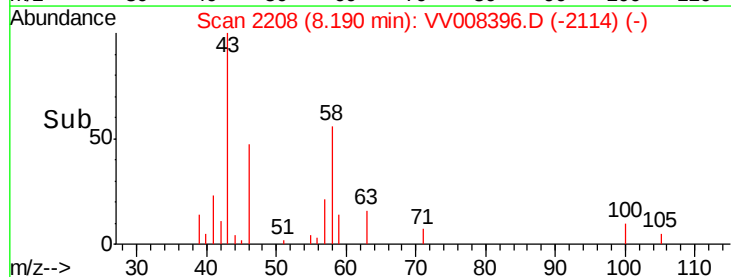
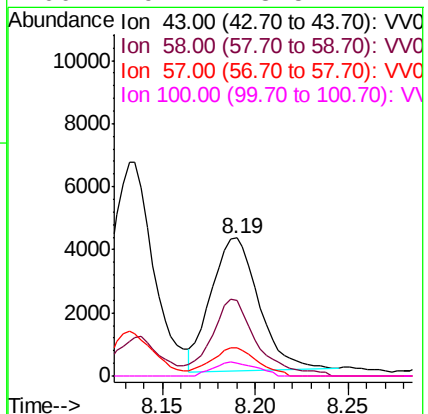
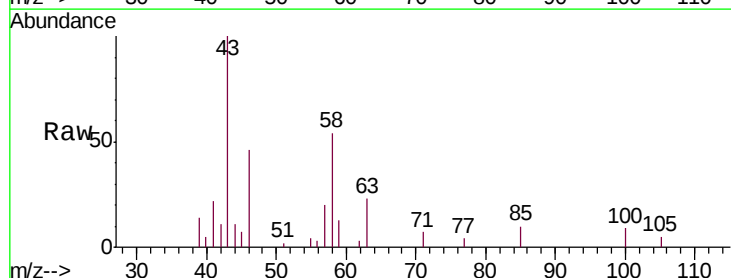
Instrument :
MSVOA_V
ClientSampleId :
MDL07

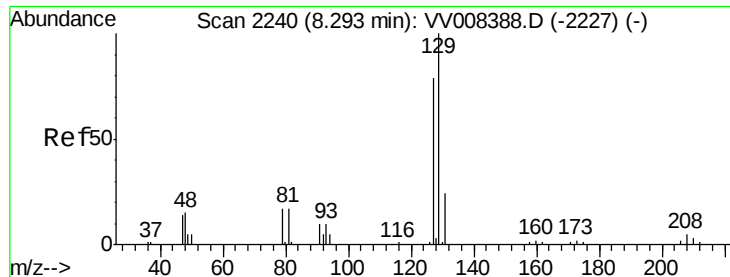
Tgt Ion: 164 Resp: 1773
Ion Ratio Lower Upper
164 100
129 103.0 75.0 139.2
131 117.2 71.3 132.3
166 122.0 89.2 165.6



#48
2-Hexanone
Concen: 3.704 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 43 Resp: 7489
Ion Ratio Lower Upper
43 100
58 54.8 42.6 63.8
57 20.8 14.8 22.2
100 9.2 8.5 12.7





#49

Dibromochloromethane

Concen: 1.505 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

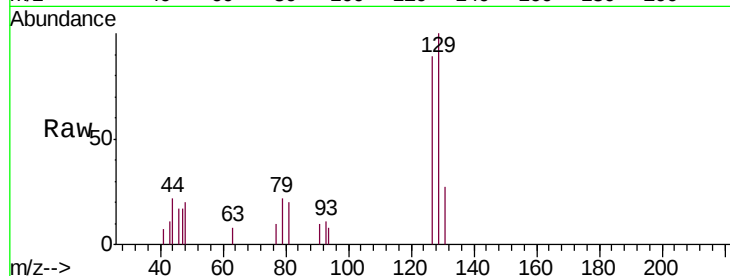
MDL07

Tgt Ion:129 Resp: 2530

Ion Ratio Lower Upper

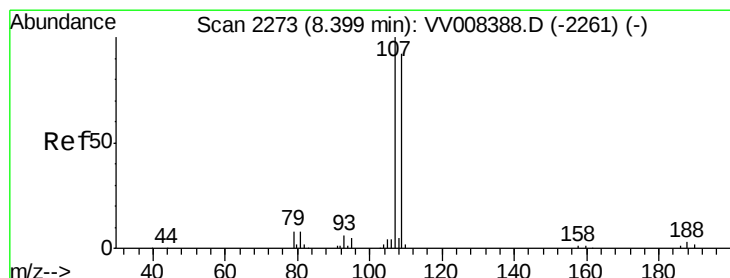
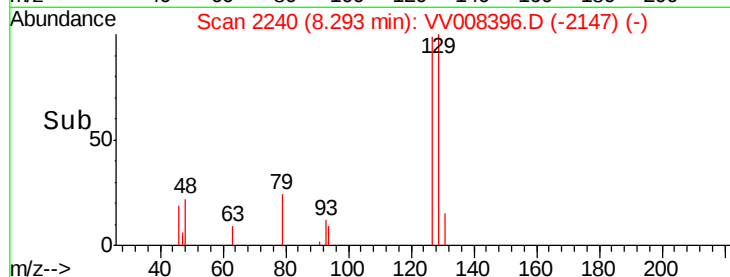
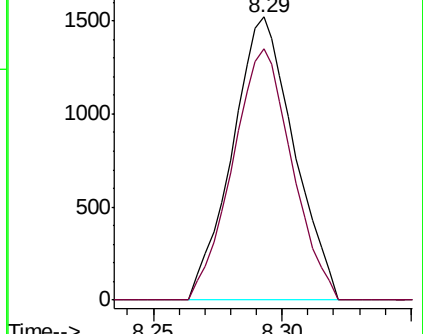
129 100

127 88.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.631 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

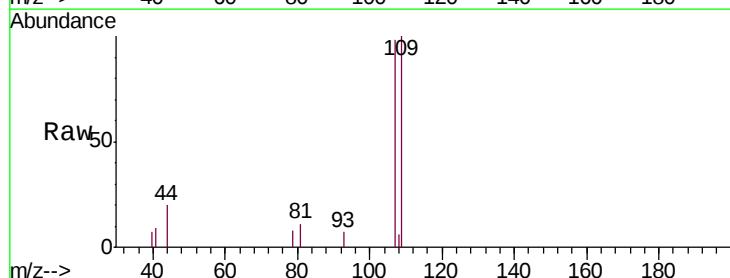
Tgt Ion:107 Resp: 2677

Ion Ratio Lower Upper

107 100

109 102.1 65.2 121.2

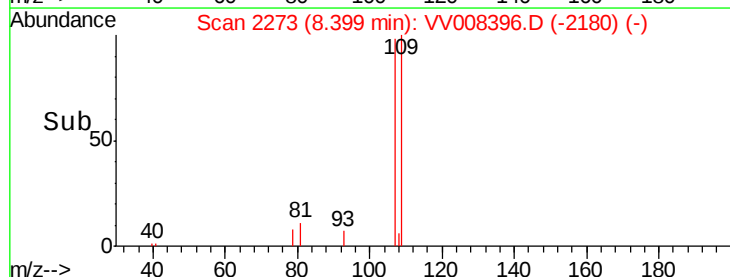
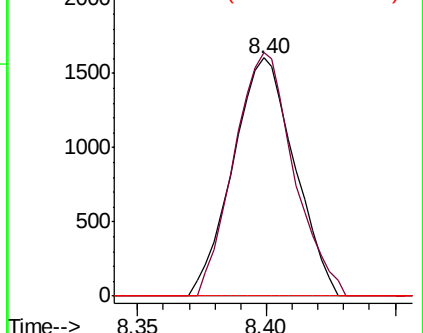
188 0.0 2.3 3.5#

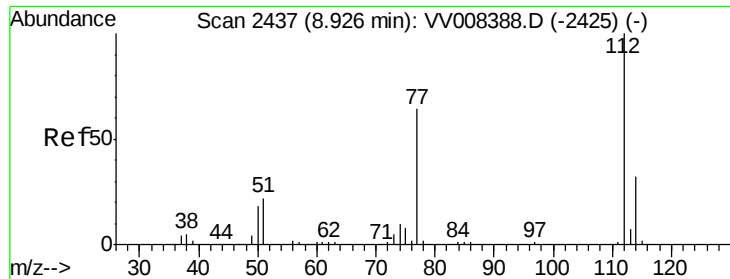


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

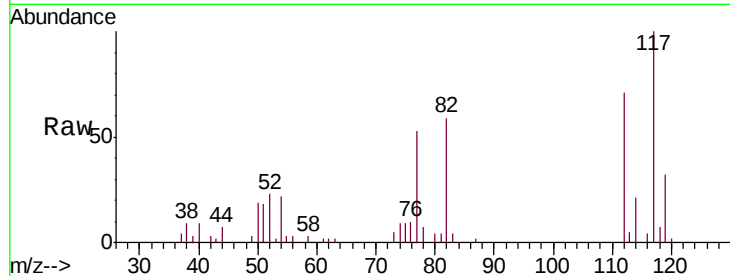




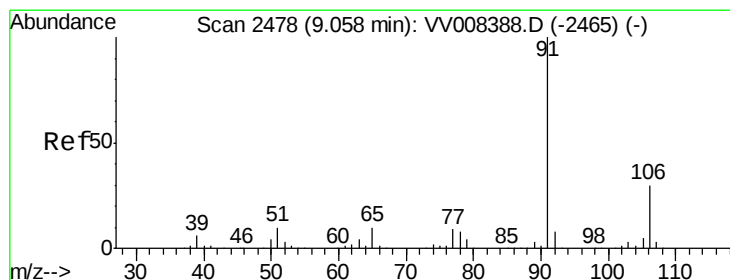
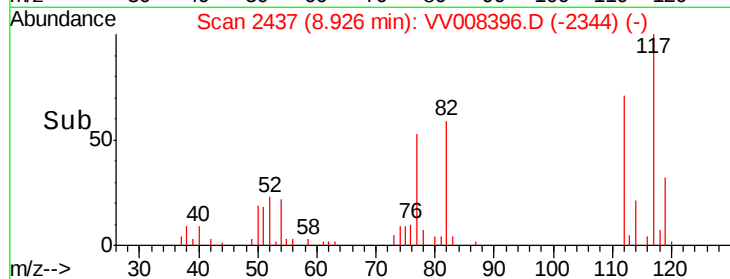
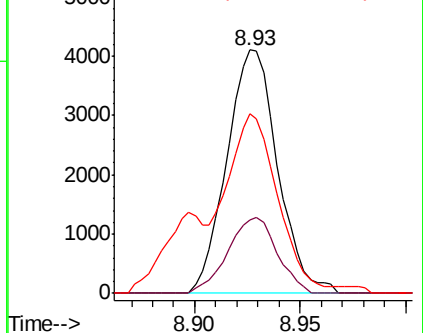
#51
Chlorobenzene
Concen: 1.679 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 112 Resp: 6879
Ion Ratio Lower Upper
112 100
114 30.0 22.5 41.7
77 73.9 52.0 78.0

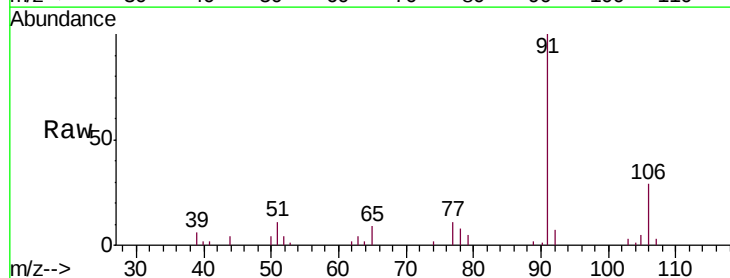


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

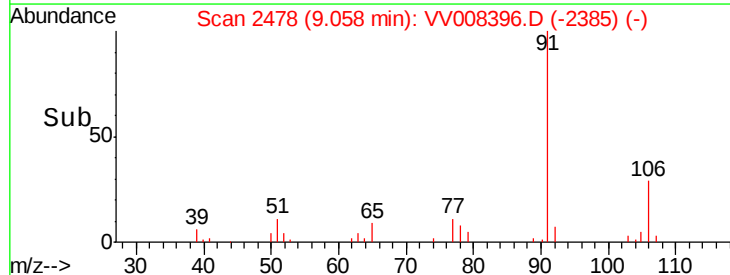
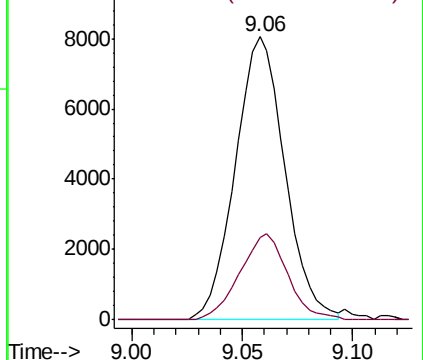


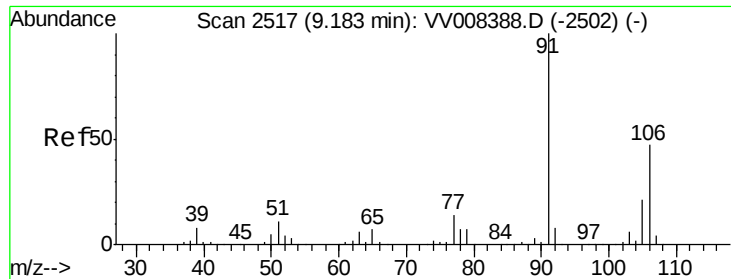
#52
Ethylbenzene
Concen: 1.687 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 91 Resp: 12577
Ion Ratio Lower Upper
91 100
106 28.9 21.3 39.5



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





#53

m,p-Xylene

Concen: 1.719 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

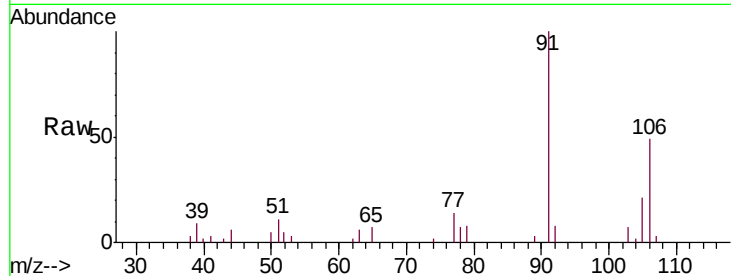
MDL07

Tgt Ion:106 Resp: 4682

Ion Ratio Lower Upper

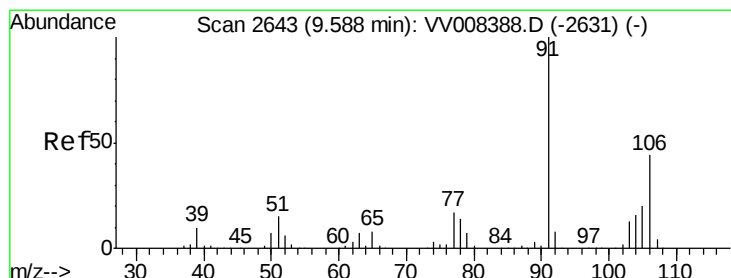
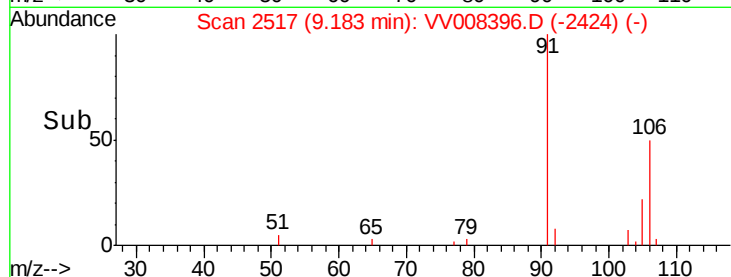
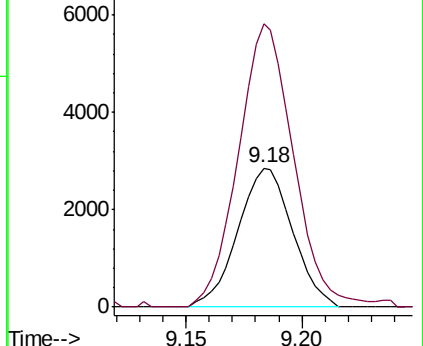
106 100

91 203.9 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.684 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008396.D

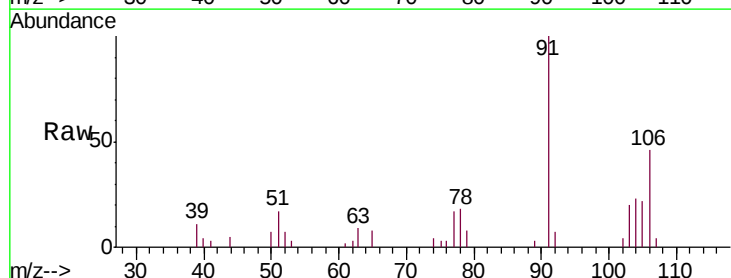
Acq: 24 Oct 2018 17:01

Tgt Ion:106 Resp: 4581

Ion Ratio Lower Upper

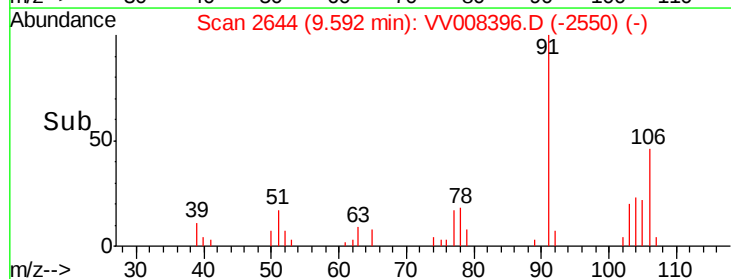
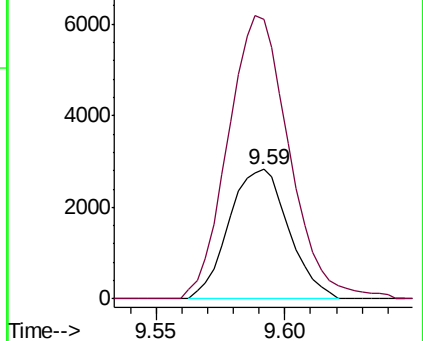
106 100

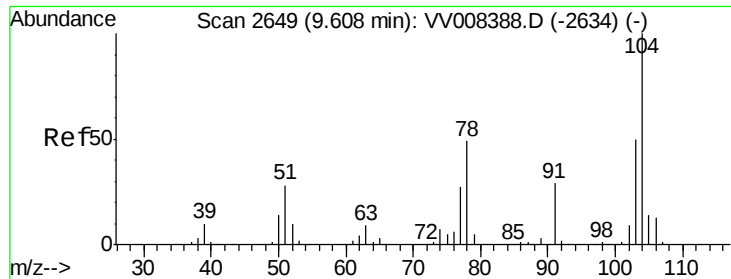
91 216.5 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 1.525 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

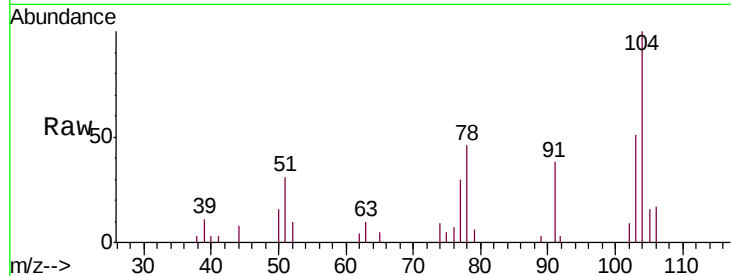
MDL07

Tgt Ion:104 Resp: 6987

Ion Ratio Lower Upper

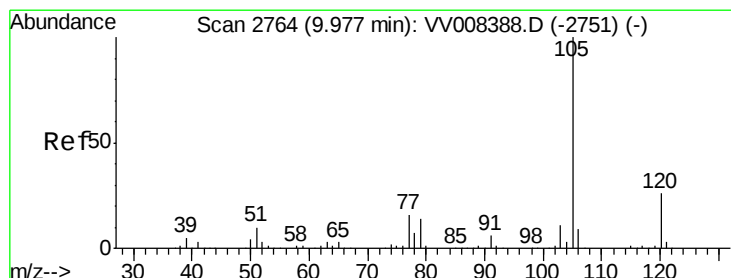
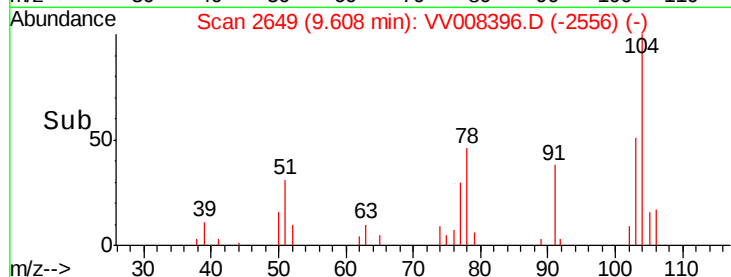
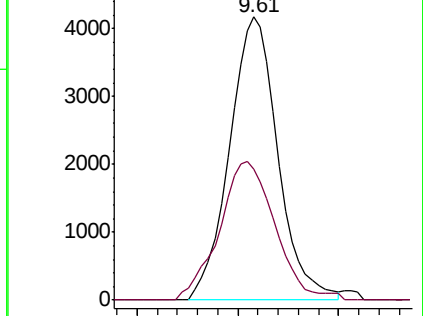
104 100

78 46.3 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: 1.574 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

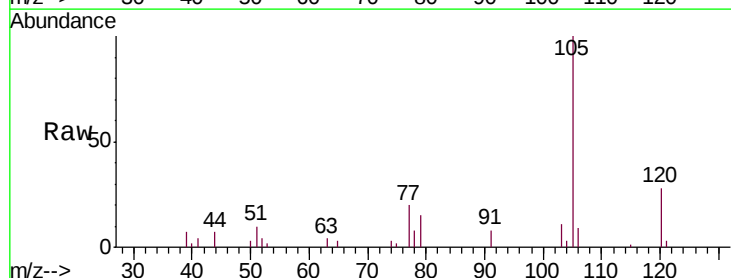
Tgt Ion:105 Resp: 11202

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

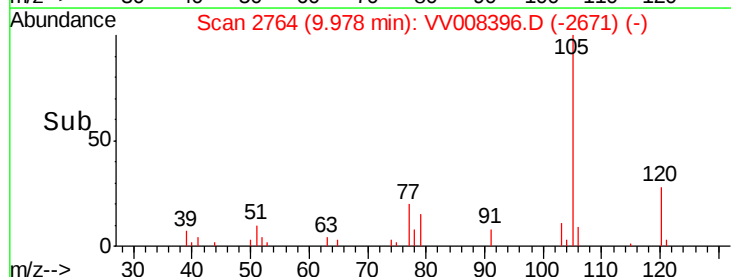
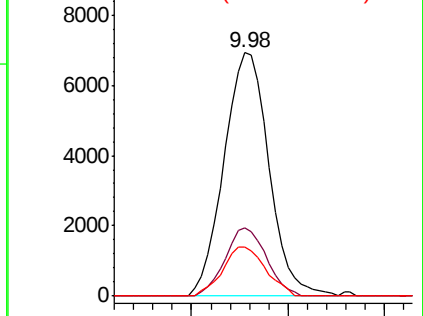
77 19.2 13.5 20.3

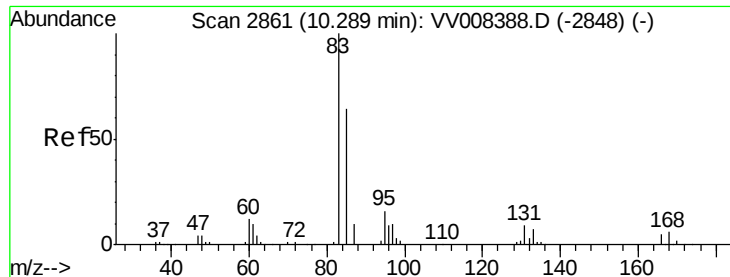


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.866 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

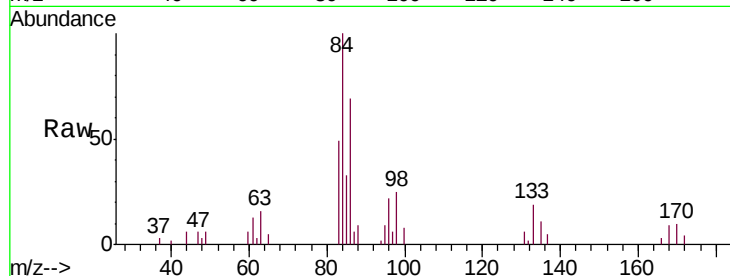
Tgt Ion: 83 Resp: 5113

Ion Ratio Lower Upper

83 100

85 66.2 45.8 85.2

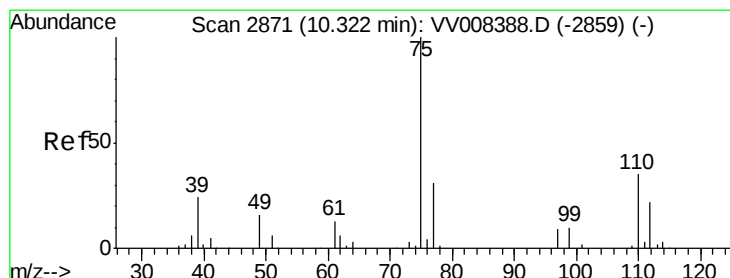
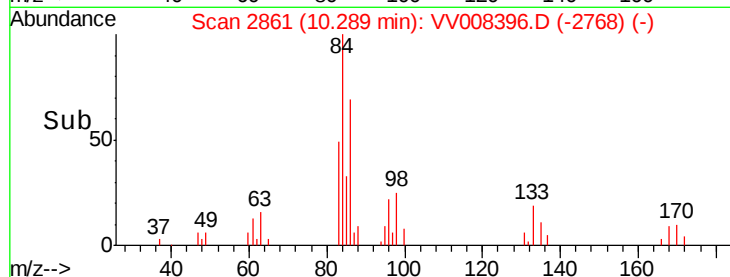
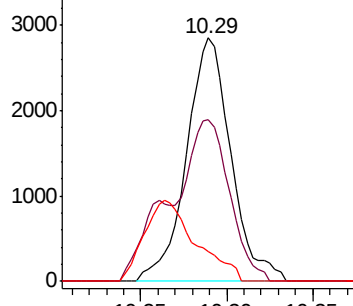
131 12.2 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VV008388.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV008388.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV008388.D (-2848) (-)



#59

1,2,3-Trichloropropane

Concen: 1.625 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008396.D

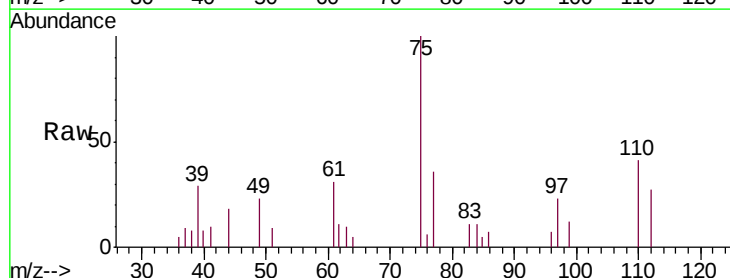
Acq: 24 Oct 2018 17:01

Tgt Ion: 75 Resp: 3603

Ion Ratio Lower Upper

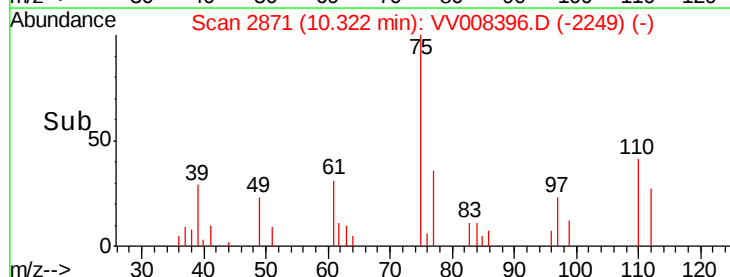
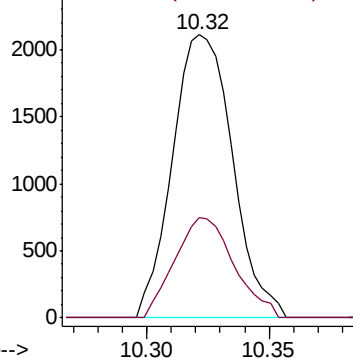
75 100

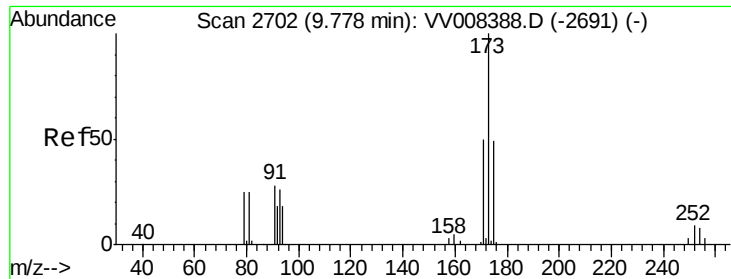
77 35.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2859) (-)

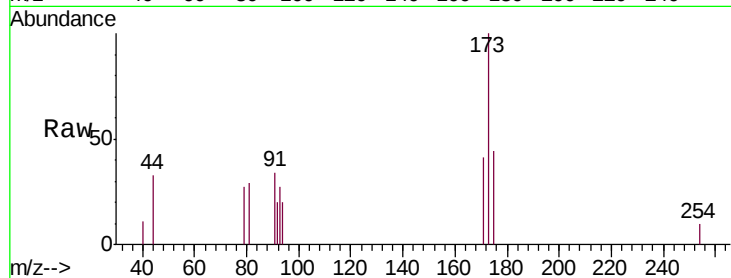




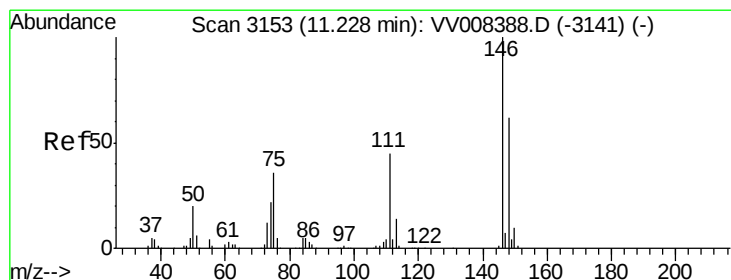
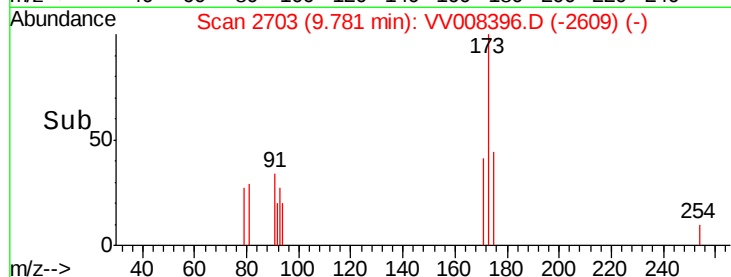
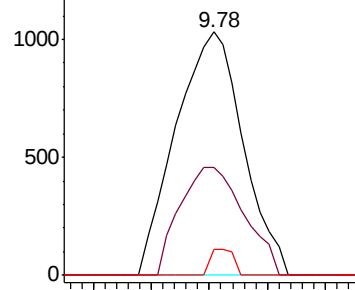
#61
Bromoform
Concen: 1.704 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion:173 Resp: 1662
Ion Ratio Lower Upper
173 100
175 42.5 38.6 57.8
254 3.7 5.9 8.9#

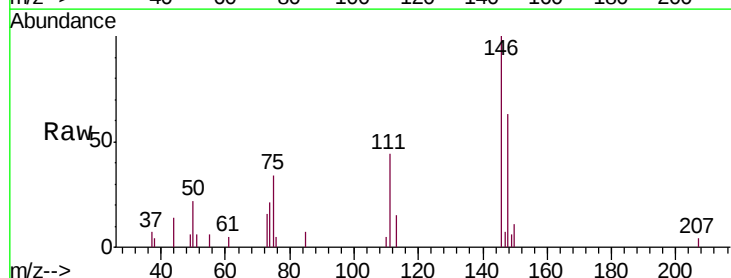


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

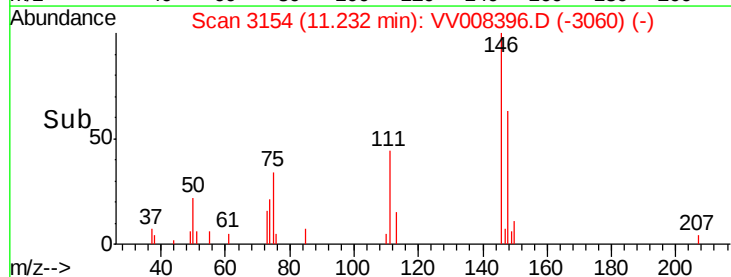
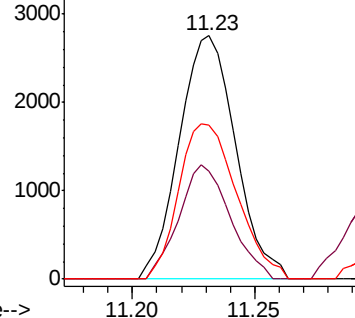


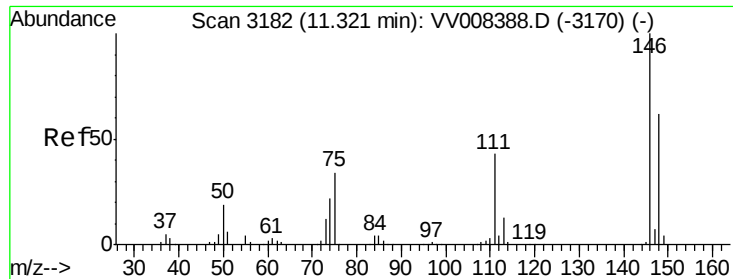
#62
1,3-Dichlorobenzene
Concen: 1.733 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion:146 Resp: 4430
Ion Ratio Lower Upper
146 100
111 44.4 30.9 57.3
148 63.5 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

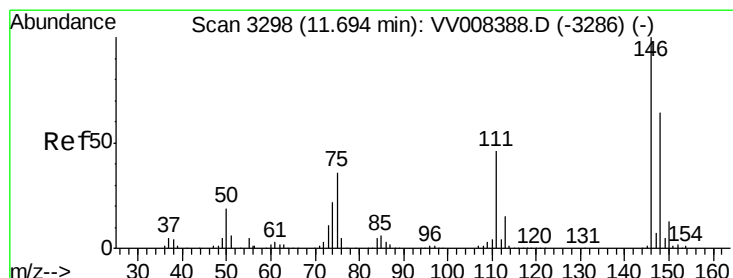
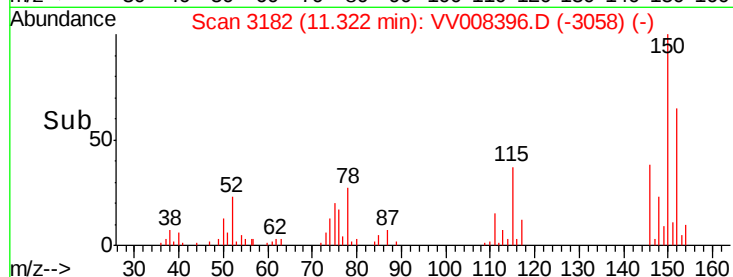
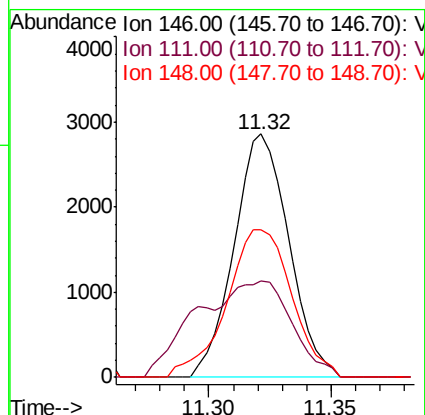
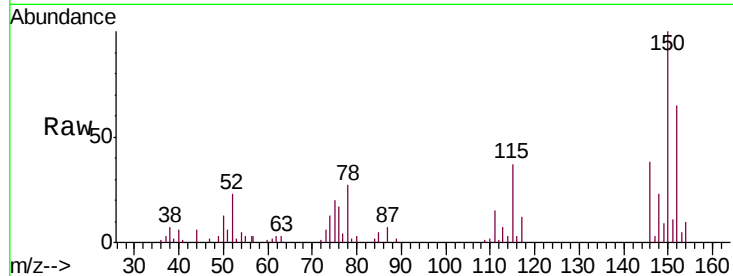




#63
1,4-Dichlorobenzene
Concen: 1.740 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

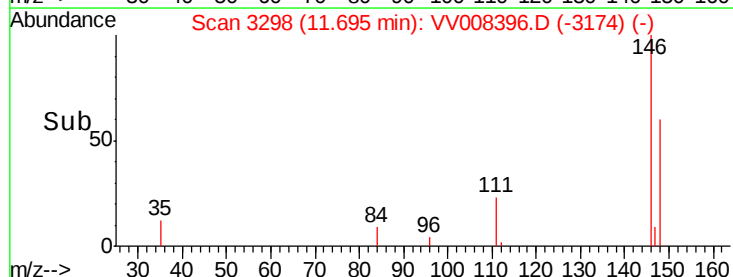
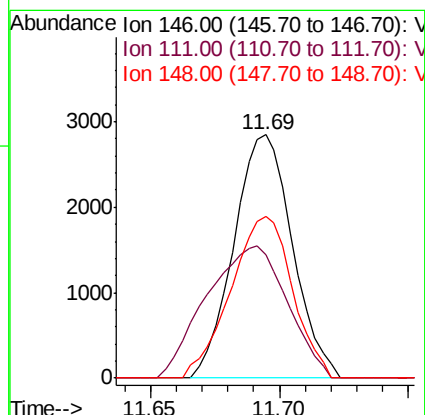
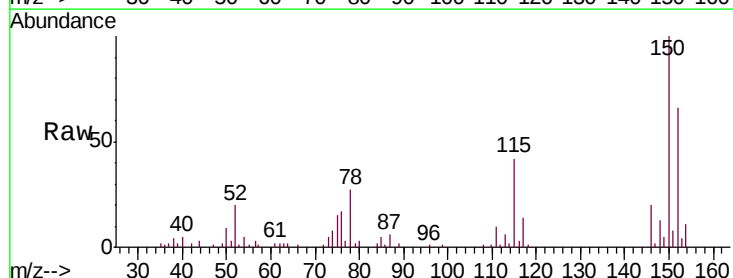
Instrument :
MSVOA_V
ClientSampleId :
MDL07

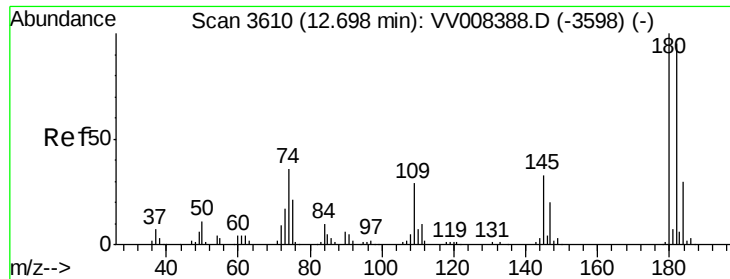
Tgt Ion:146 Resp: 4458
Ion Ratio Lower Upper
146 100
111 39.4 29.8 55.4
148 60.7 44.4 82.5



#65
1,2-Dichlorobenzene
Concen: 1.727 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion:146 Resp: 4500
Ion Ratio Lower Upper
146 100
111 50.6 36.2 54.2
148 66.5 50.3 75.5

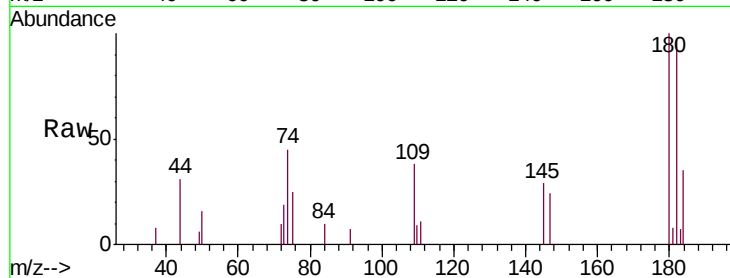




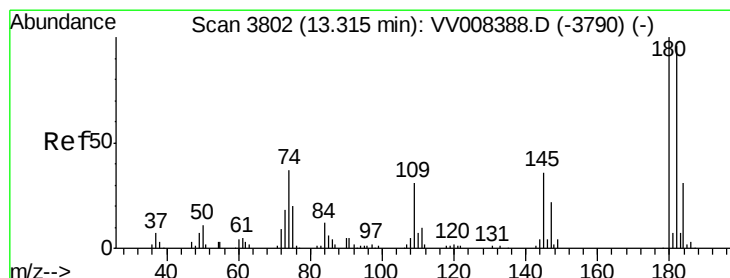
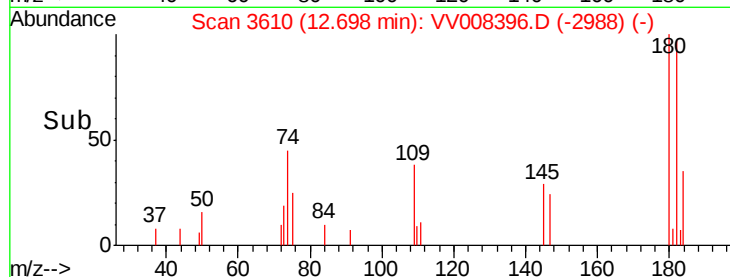
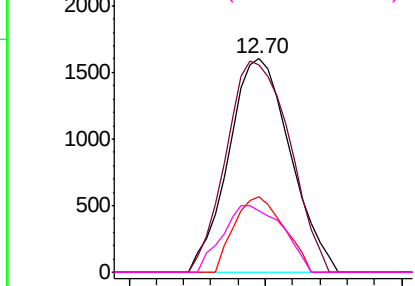
#67
 1,3,5-Trichlorobenzene
 Concen: 1.511 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 2522
 Ion Ratio Lower Upper
 180 100
 182 101.7 75.9 113.9
 184 28.5 24.1 36.1
 145 30.6 26.8 40.2

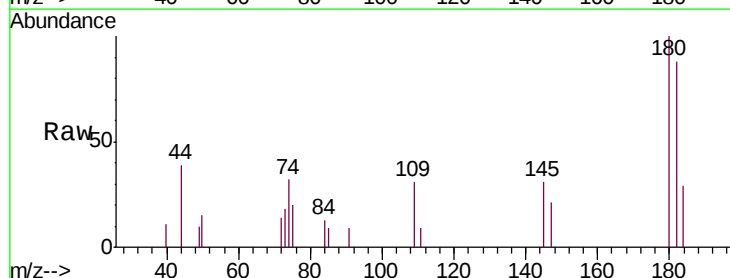


Abundance Ion 180.00 (179.70 to 180.70): V
 2500
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

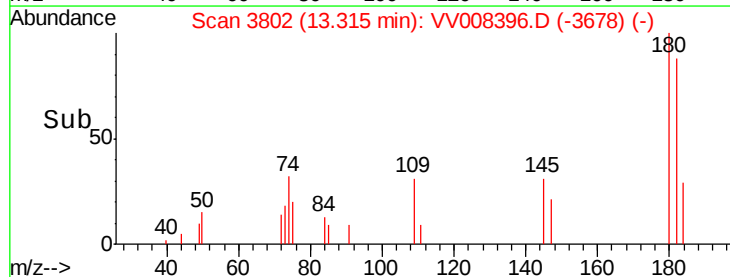
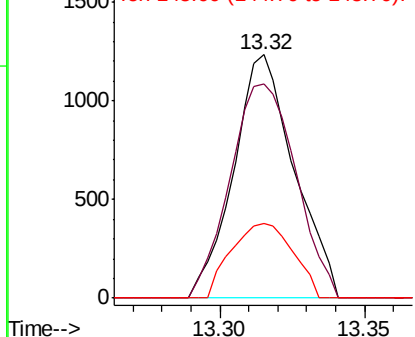


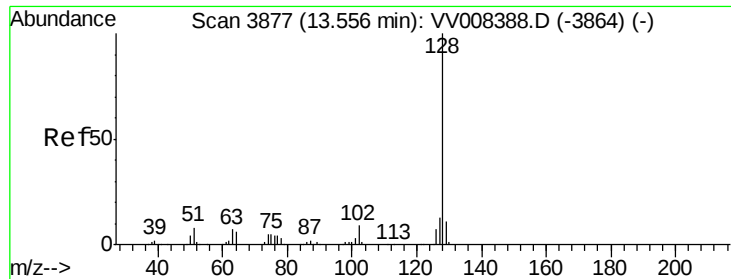
#68
 1,2,4-trichlorobenzene
 Concen: 1.326 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion:180 Resp: 1790
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.4 113.2
 145 31.2 27.0 40.6



Abundance Ion 180.00 (179.70 to 180.70): V
 1500
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.118 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

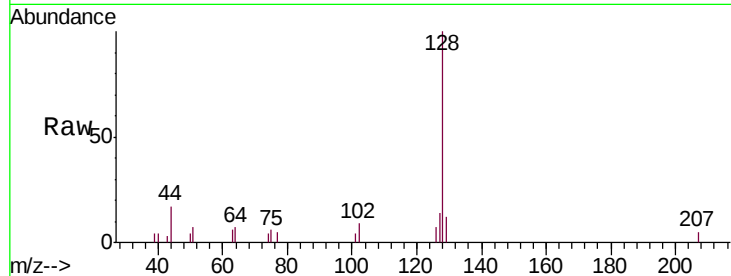
Tgt Ion:128 Resp: 4881

Ion Ratio Lower Upper

128 100

127 11.1 10.6 15.8

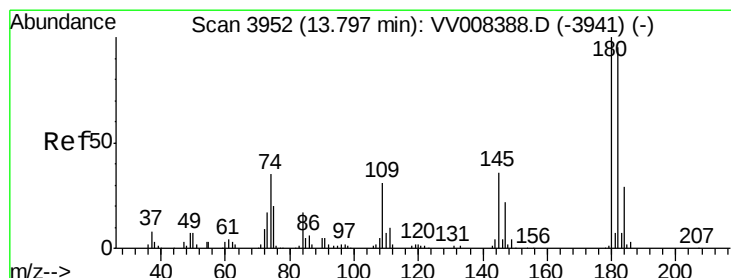
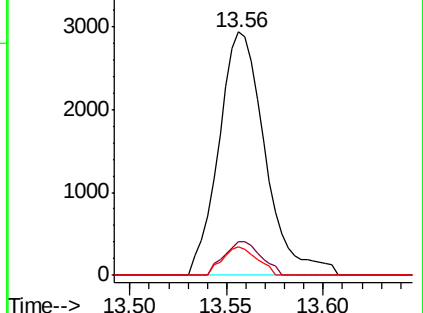
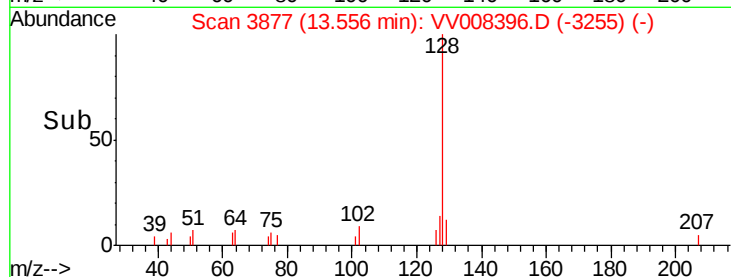
129 8.7 8.9 13.3#



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: 1.359 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

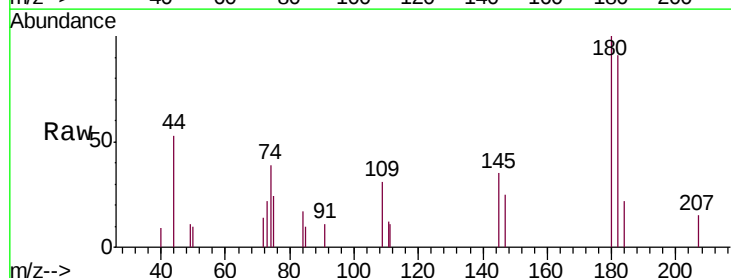
Tgt Ion:180 Resp: 1834

Ion Ratio Lower Upper

180 100

182 88.5 75.7 113.5

145 30.5 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

