

Data File : VV008405.D
Acq On : 24 Oct 2018 20:34
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Quant Time: Oct 25 09:22:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 09:16:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	194037	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177295	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43803	40.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.54%
7) Chloroethane-d5	1.56	69	34725	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.13	63	61162	31.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.04%
21) 2-Butanone-d5	3.94	46	115313	98.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.76%
24) Chloroform-d	4.41	84	116573	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
26) 1,2-Dichloroethane-d4	5.09	65	81855	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.10	84	233803	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
36) 1,2-Dichloropropane-d6	6.12	67	81357	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.78%
41) Toluene-d8	7.36	98	209209	45.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.22%
43) trans-1,3-Dichloropropene-	7.67	79	39051	45.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.66%
47) 2-Hexanone-d5	8.14	63	87589	95.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.65%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113156	47.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	71944	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3935	2.840 ug/L	98
3) Chloromethane	1.25	50	4392	2.959 ug/L	100
5) Vinyl chloride	1.33	62	3893	2.831 ug/L #	72
6) Bromomethane	1.52	94	1187	3.146 ug/L	97
8) Chloroethane	1.58	64	2365	3.273 ug/L	92
9) Trichlorofluoromethane	1.76	101	5022	2.837 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3118	3.372 ug/L	89
12) 1,1-Dichloroethene	2.14	96	2816	3.235 ug/L #	1
13) Acetone	2.19	43	4970	5.485 ug/L	93
14) Carbon disulfide	2.32	76	11172	2.849 ug/L	100
15) Methyl Acetate	2.46	43	6281	3.476 ug/L #	88
16) Methylene chloride	2.54	84	4526	3.002 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	3989	3.006 ug/L	82
18) Methyl tert-butyl Ether	2.81	73	13470	2.836 ug/L #	93
19) 1,1-Dichloroethane	3.23	63	7637	2.790 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	4443	2.939 ug/L	86
22) 2-Butanone	4.03	43	6029	4.605 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	918	1.287	ug/L	86
25) Chloroform	4.43	83	8390	3.140	ug/L	99
27) 1,2-Dichloroethane	5.19	62	6503	2.914	ug/L	99
29) Cyclohexane	4.73	56	7263	2.814	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	6556	2.851	ug/L	99
31) Carbon tetrachloride	4.88	117	5448	2.792	ug/L	98
33) Benzene	5.15	78	17136	2.957	ug/L	100
34) Trichloroethene	5.96	95	4165	2.807	ug/L	91
35) Methylcyclohexane	6.18	83	7147	2.833	ug/L	98
37) 1,2-Dichloropropane	6.23	63	4549	2.842	ug/L #	89
38) Bromodichloromethane	6.56	83	5645	2.768	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	6862	2.727	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	13514	5.702	ug/L	97
42) Toluene	7.43	91	17540	2.914	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	7998	3.397	ug/L	93
45) 1,1,2-Trichloroethane	7.89	97	3994	2.822	ug/L	95
46) Tetrachloroethene	8.02	164	2612	2.700	ug/L	97
48) 2-Hexanone	8.19	43	9859	5.391	ug/L	93
49) Dibromochloromethane	8.30	129	3935	2.587	ug/L	91
50) 1,2-Dibromoethane	8.40	107	4217	2.841	ug/L #	95
51) Chlorobenzene	8.93	112	10454	2.820	ug/L	97
52) Ethylbenzene	9.06	91	19142	2.839	ug/L	98
53) m,p-Xylene	9.18	106	6992	2.838	ug/L	97
54) o-xylene	9.59	106	6694	2.721	ug/L	94
55) Styrene	9.61	104	11214	2.705	ug/L	96
56) Isopropylbenzene	9.98	105	17891	2.780	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7616	3.073	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	5684	2.834	ug/L	99
61) Bromoform	9.78	173	2566	2.735	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	7284	2.963	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	7120	2.890	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	7366	2.938	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	1456	2.825	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.70	180	4062	2.530	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2616	2.014	ug/L	96
69) Naphthalene	13.56	128	6954	1.656	ug/L	96
70) 1,2,3-Trichlorobenzene	13.80	180	2551	1.965	ug/L	97

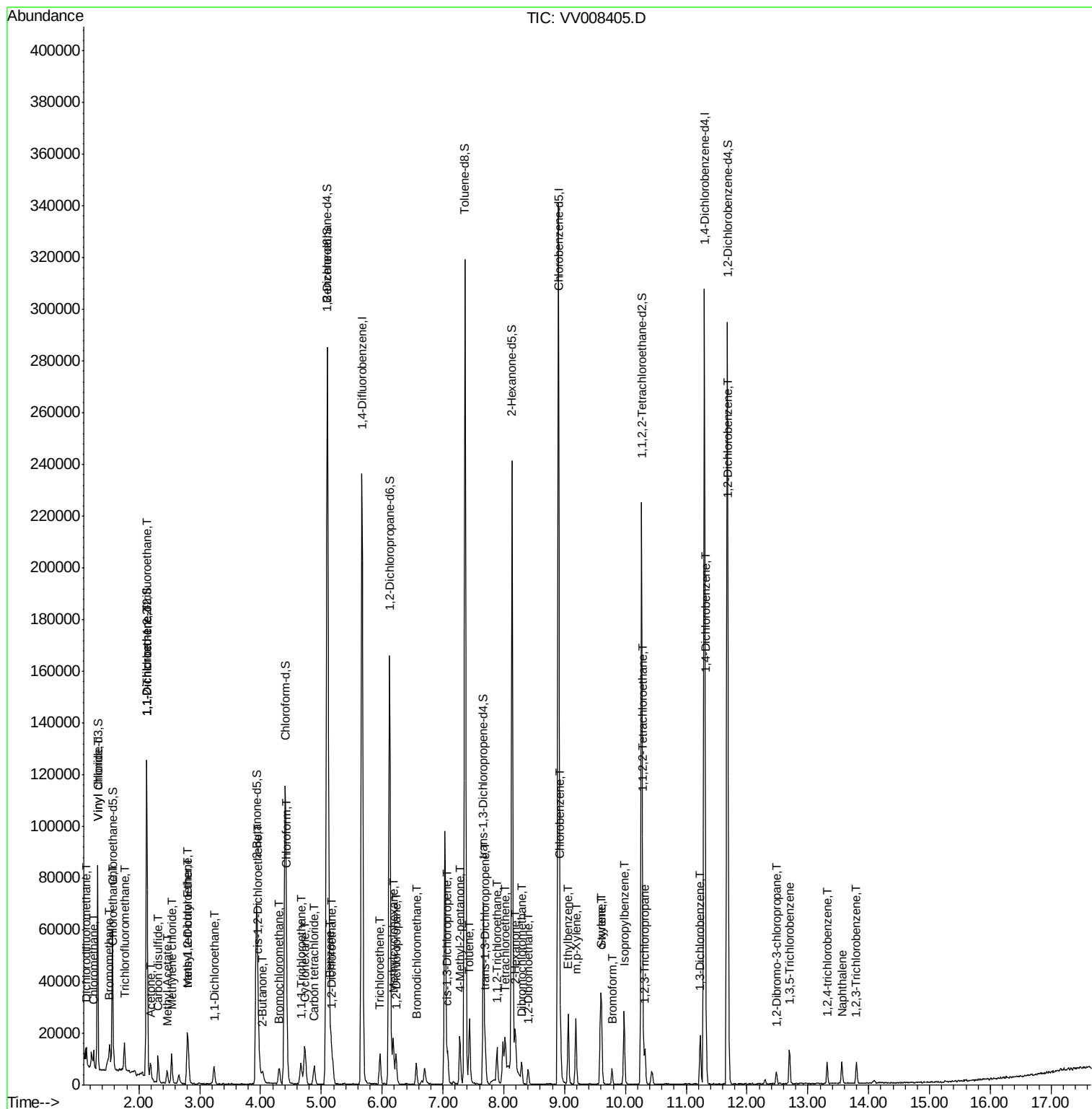
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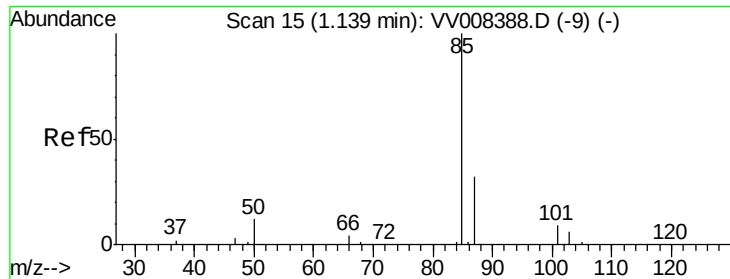
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#2

Dichlorodifluoromethane

Concen: 2.840 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

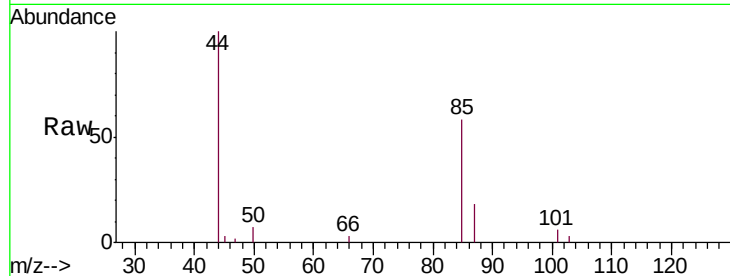
MDL07

Tgt Ion: 85 Resp: 3935

Ion Ratio Lower Upper

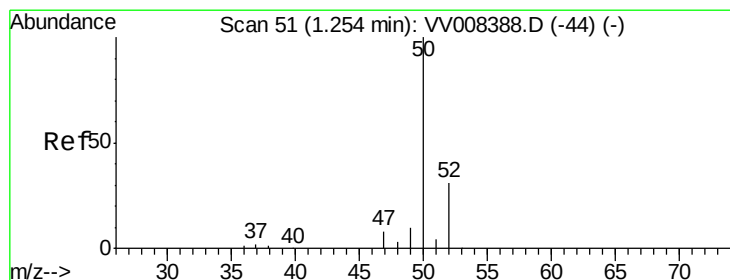
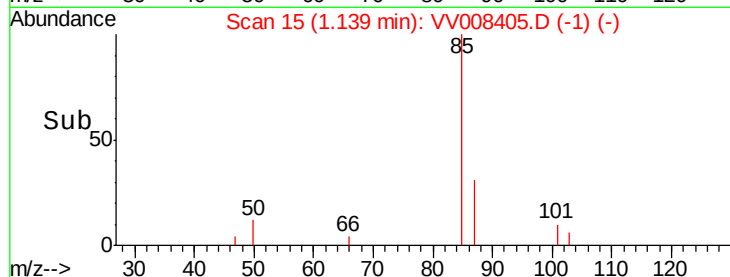
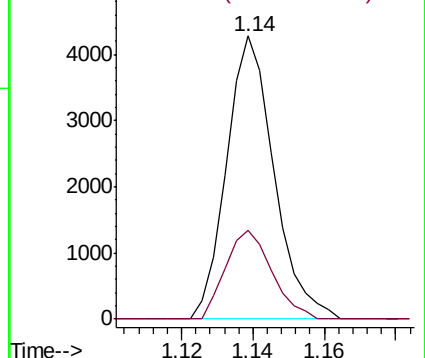
85 100

87 30.6 25.4 38.2



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

Ion 87.00 (86.70 to 87.70): VV008388.D (-9) (-)



#3

Chloromethane

Concen: 2.959 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008405.D

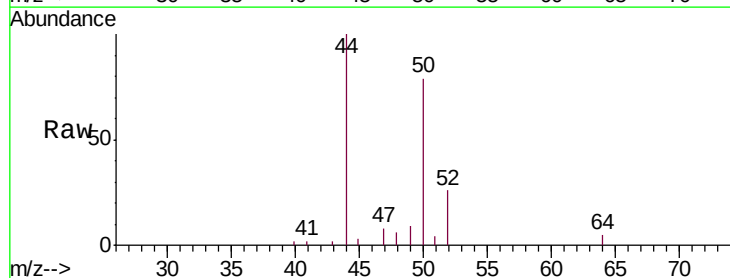
Acq: 24 Oct 2018 20:34

Tgt Ion: 50 Resp: 4392

Ion Ratio Lower Upper

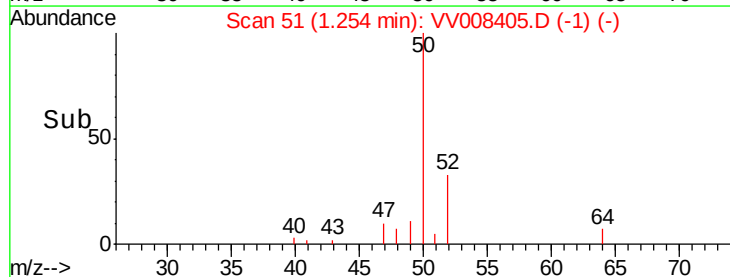
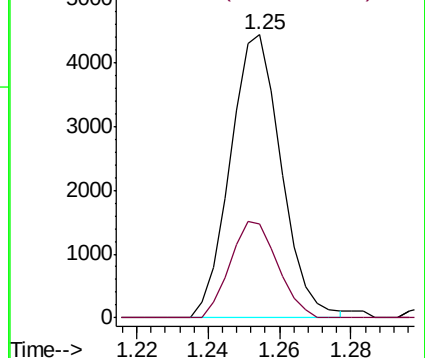
50 100

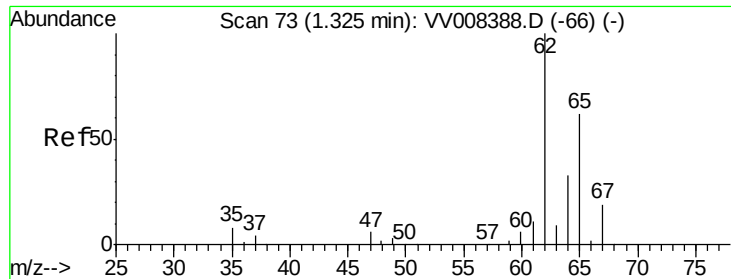
52 33.2 23.1 42.9



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

Ion 52.00 (51.70 to 52.70): VV008388.D (-44) (-)





#5

Vinyl chloride

Concen: 2.831 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

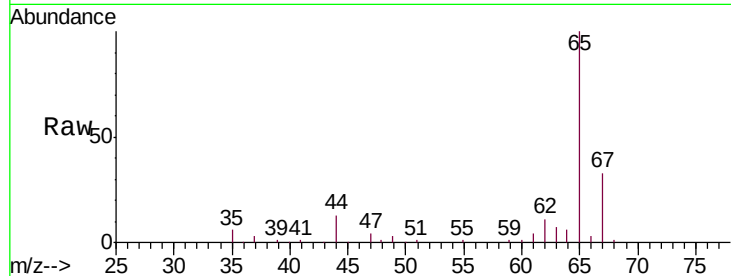
MDL07

Tgt Ion: 62 Resp: 3893

Ion Ratio Lower Upper

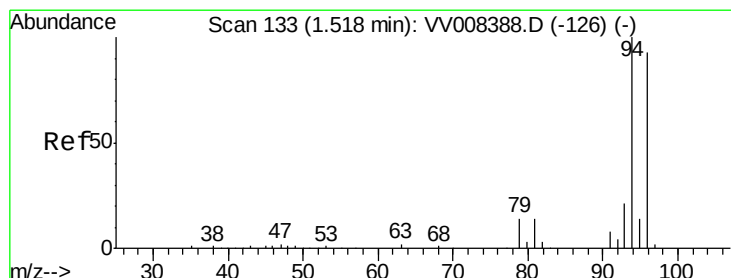
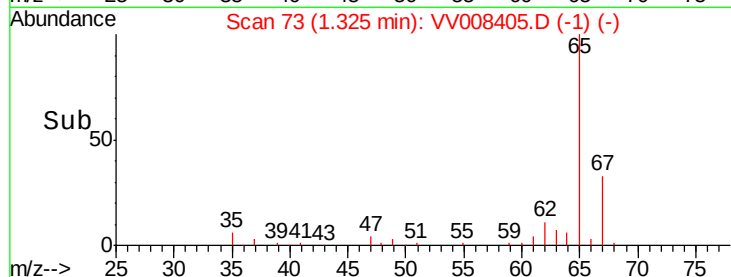
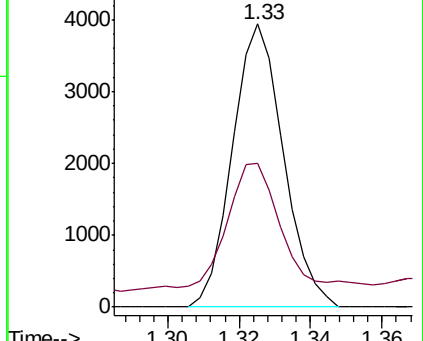
62 100

64 51.0 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: 3.146 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008405.D

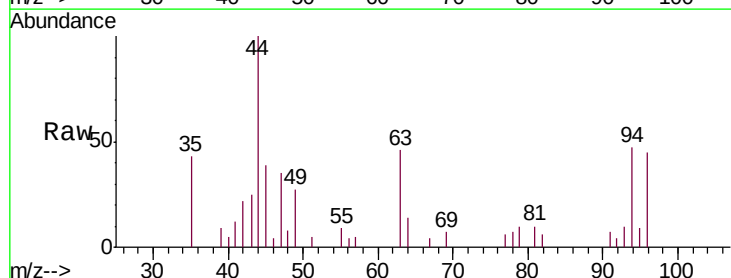
Acq: 24 Oct 2018 20:34

Tgt Ion: 94 Resp: 1187

Ion Ratio Lower Upper

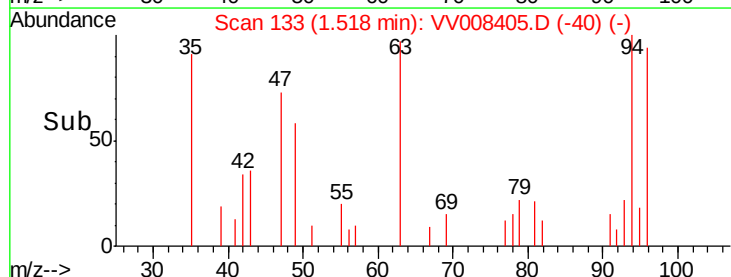
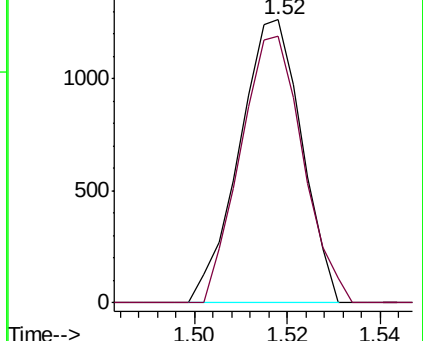
94 100

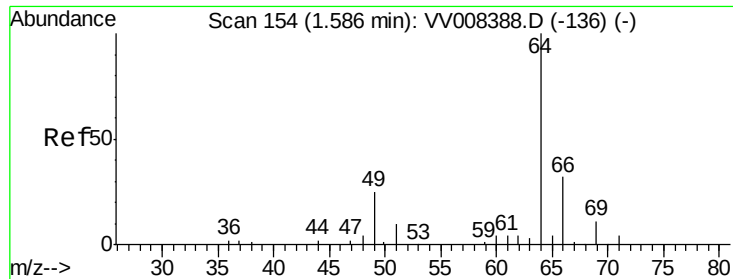
96 94.5 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

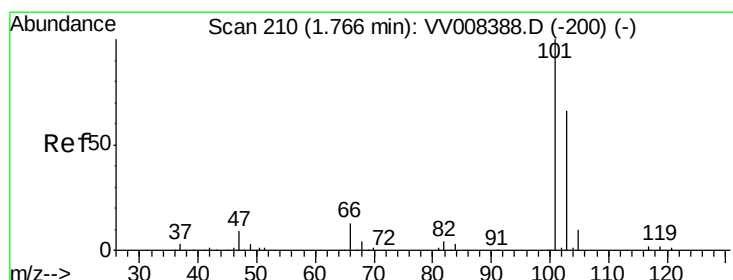
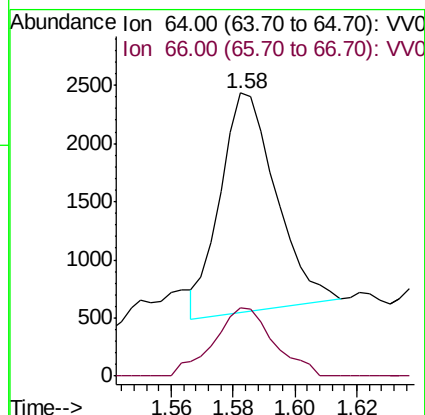
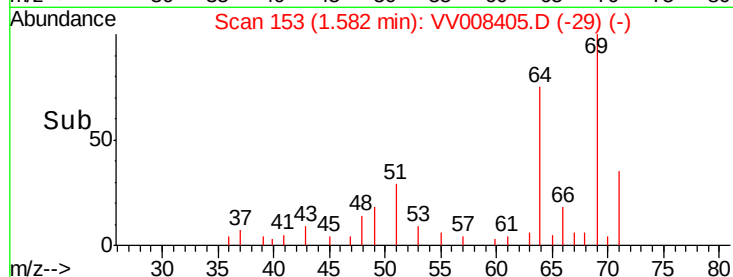
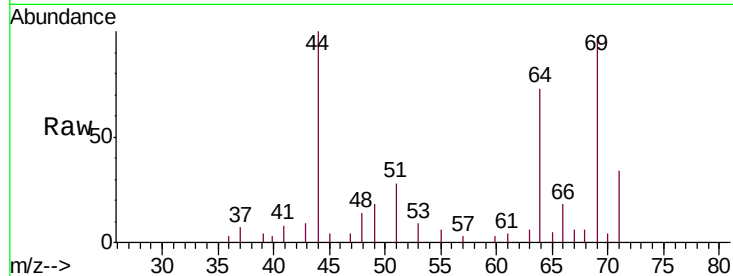




#8
Chloroethane
Concen: 3.273 ug/L
RT: 1.58 min Scan# 153
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

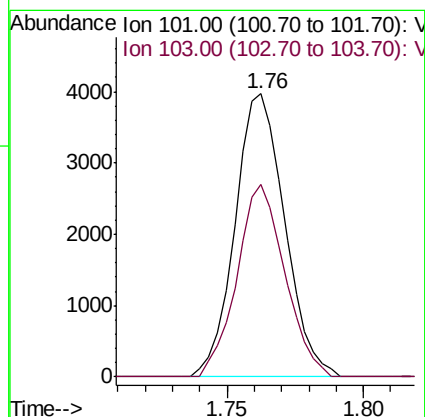
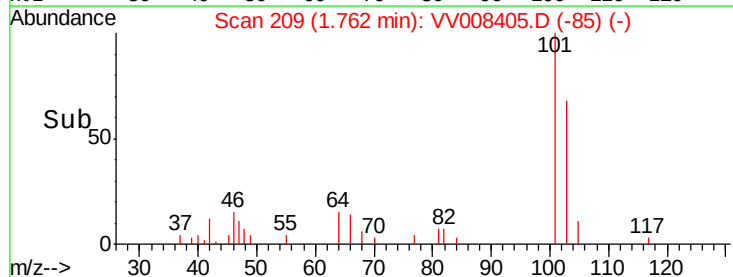
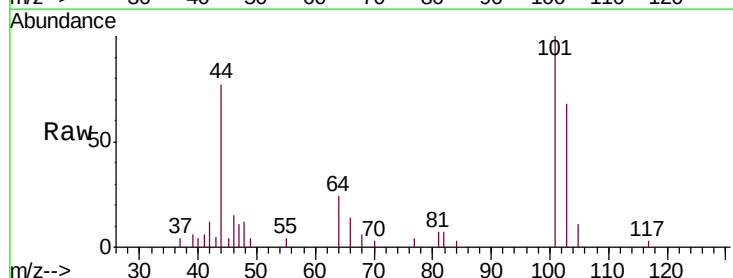
Instrument :
MSVOA_V
ClientSampleId :
MDL07

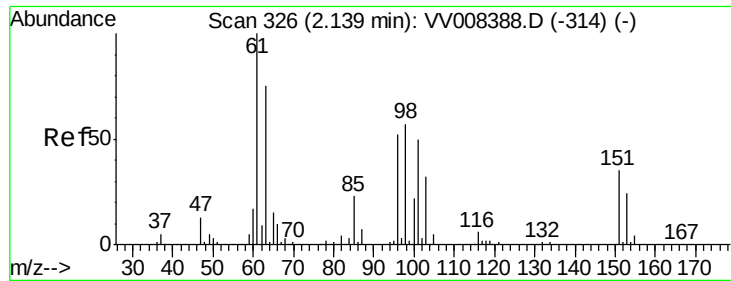
Tgt Ion: 64 Resp: 2365
Ion Ratio Lower Upper
64 100
66 24.4 19.9 36.9



#9
Trichlorofluoromethane
Concen: 2.837 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion: 101 Resp: 5022
Ion Ratio Lower Upper
101 100
103 65.4 51.0 76.6





#10

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

Concen: 3.372 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

MDL07

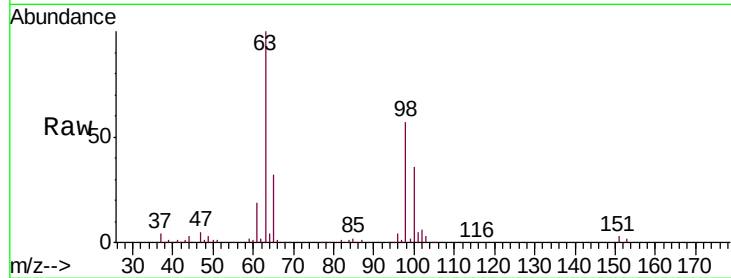
Tgt Ion:101 Resp: 3118

Ion Ratio Lower Upper

101 100

85 43.7 35.6 53.4

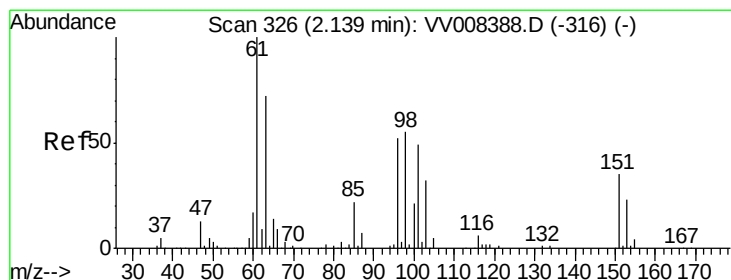
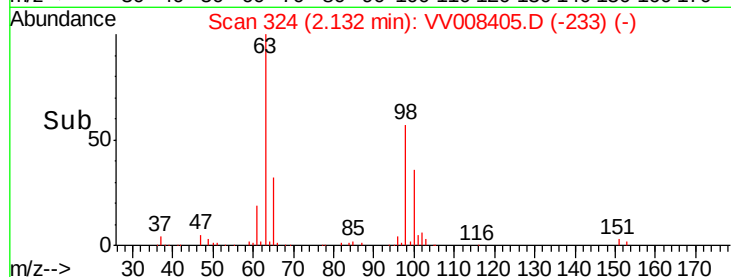
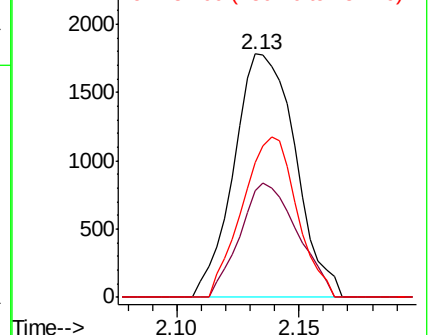
151 58.4 58.1 87.1



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: 3.235 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

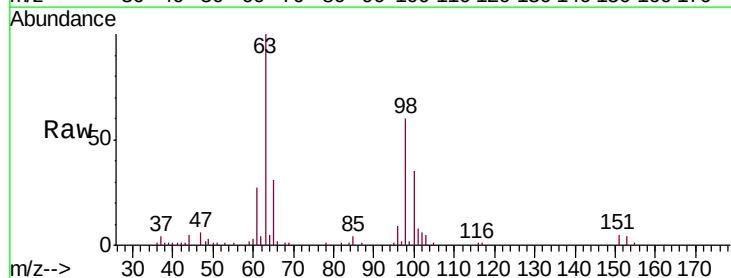
Tgt Ion: 96 Resp: 2816

Ion Ratio Lower Upper

96 100

61 310.2 130.3 242.1#

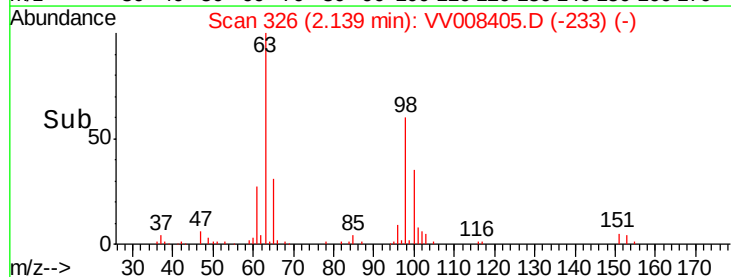
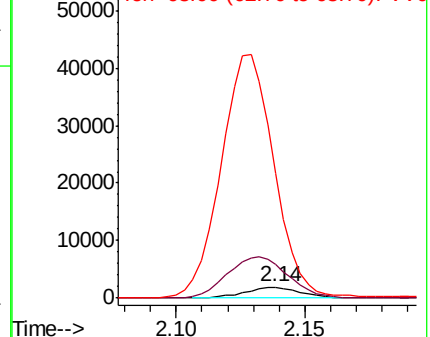
63 1160.6 84.4 156.8#

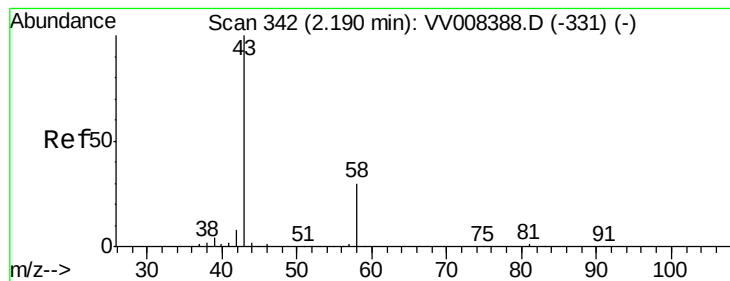


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.485 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

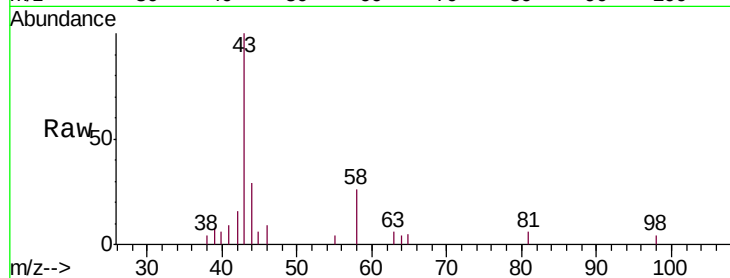
MDL07

Tgt Ion: 43 Resp: 4970

Ion Ratio Lower Upper

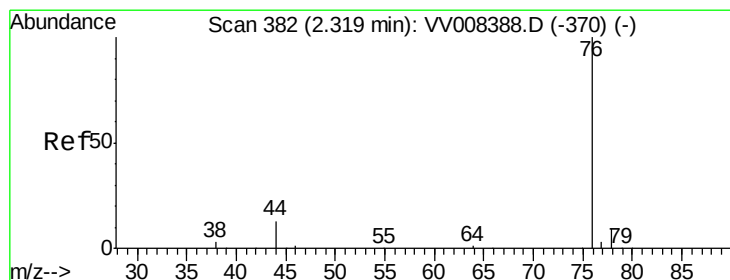
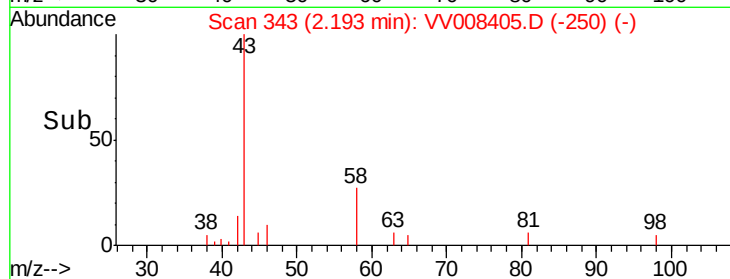
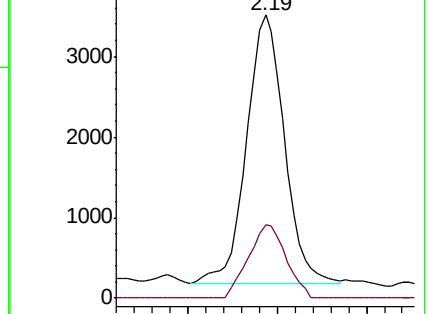
43 100

58 27.1 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) (-)



#14

Carbon disulfide

Concen: 2.849 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008405.D

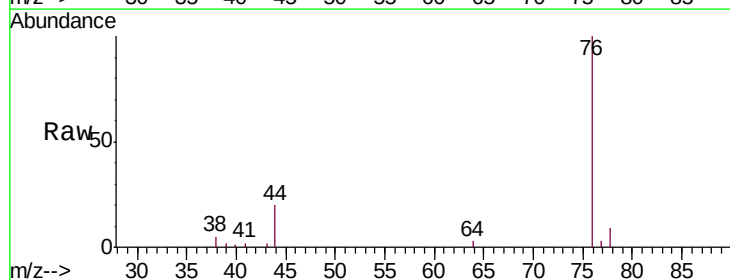
Acq: 24 Oct 2018 20:34

Tgt Ion: 76 Resp: 11172

Ion Ratio Lower Upper

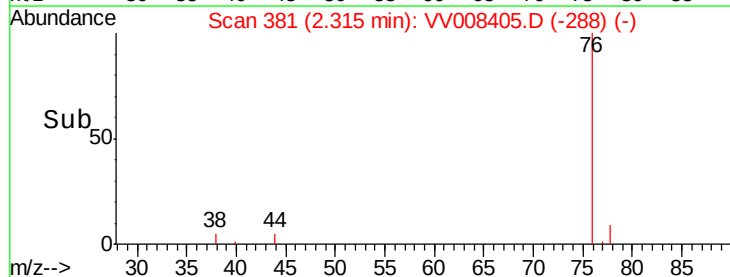
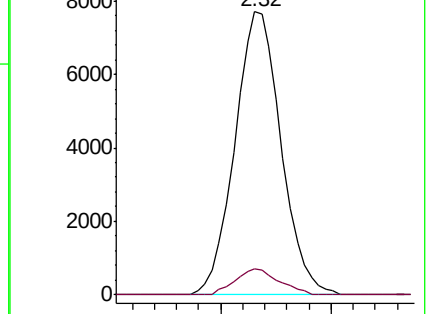
76 100

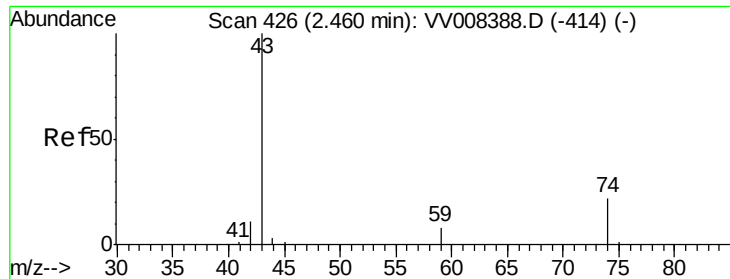
78 9.1 7.3 10.9



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

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

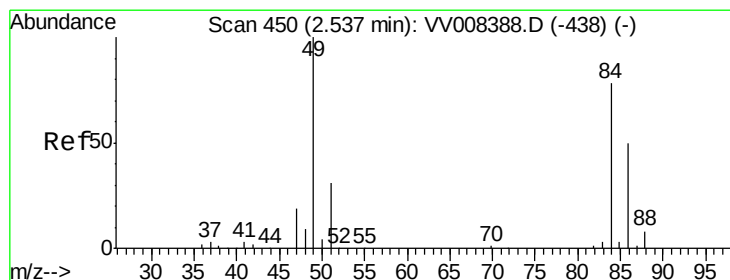
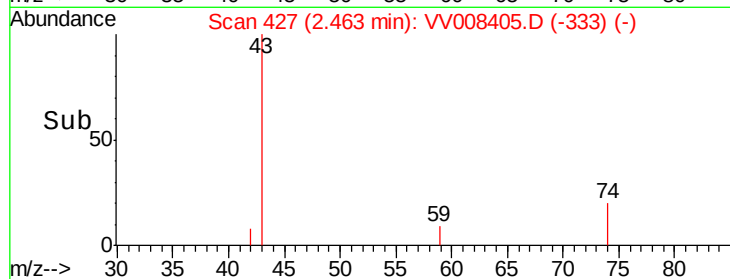
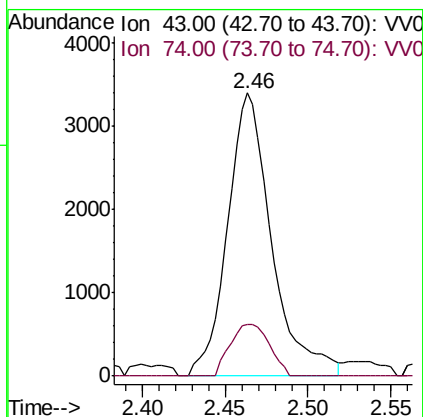
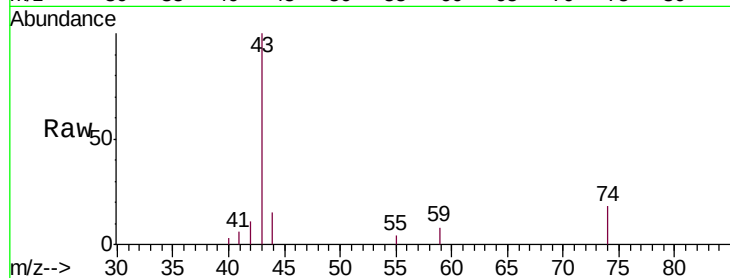




#15
Methyl Acetate
Concen: 3.476 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

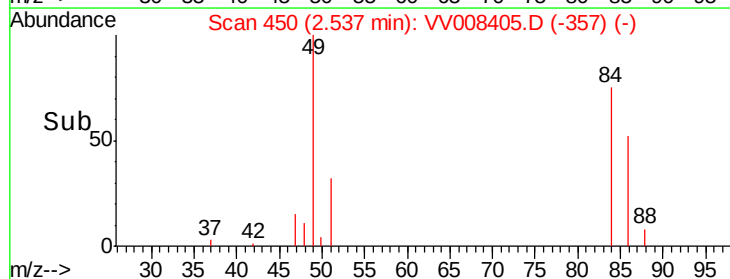
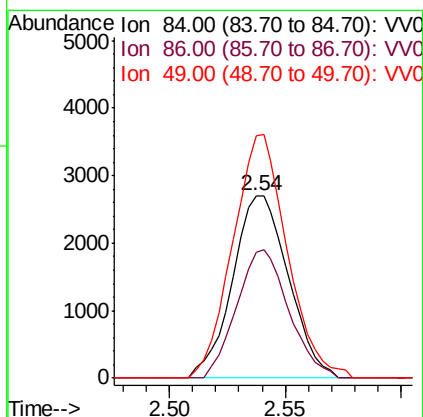
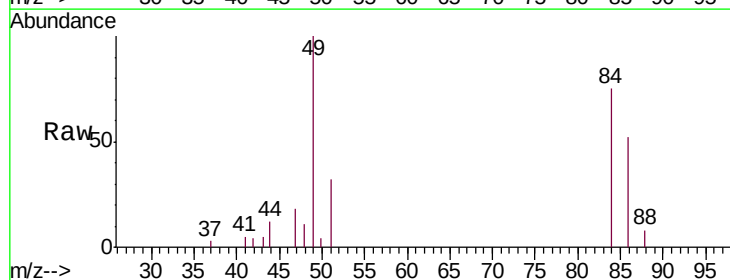
Instrument :
MSVOA_V
ClientSampleId :
MDL07

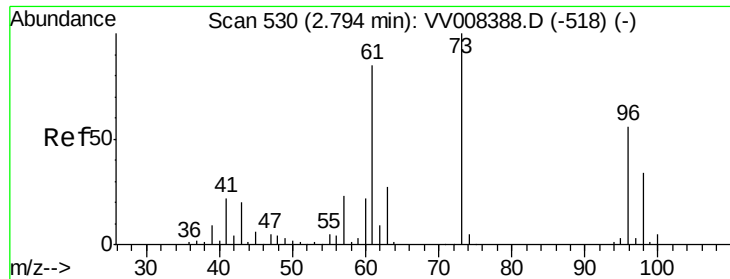
Tgt Ion: 43 Resp: 6281
Ion Ratio Lower Upper
43 100
74 16.3 17.8 26.6#



#16
Methylene chloride
Concen: 3.002 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion: 84 Resp: 4526
Ion Ratio Lower Upper
84 100
86 68.8 45.6 84.6
49 133.1 90.6 168.3

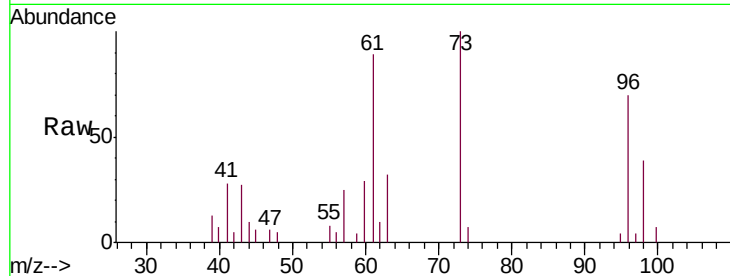




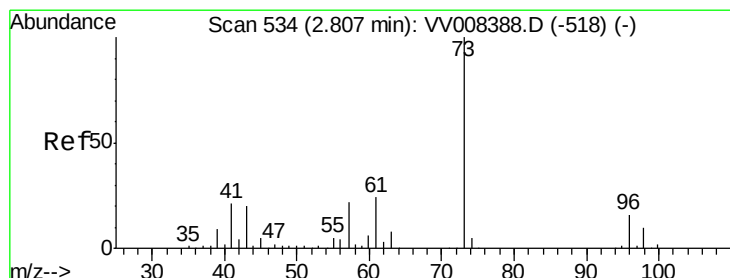
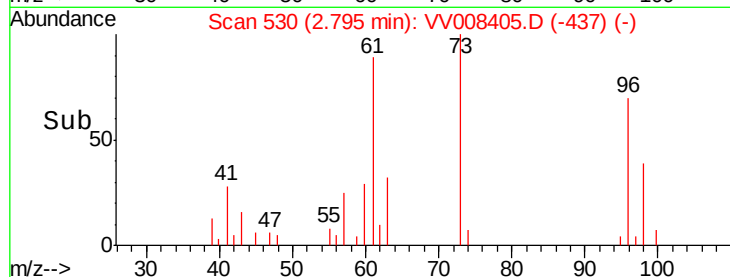
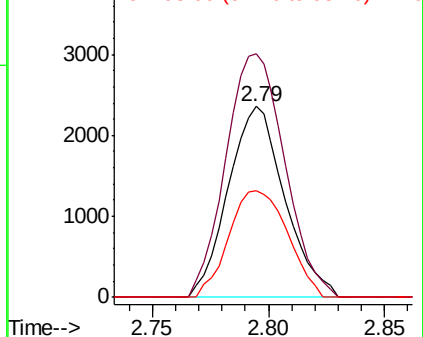
#17
trans-1,2-Dichloroethene
Concen: 3.006 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 96 Resp: 3989
Ion Ratio Lower Upper
96 100
61 127.7 108.6 201.6
98 55.8 44.3 82.3

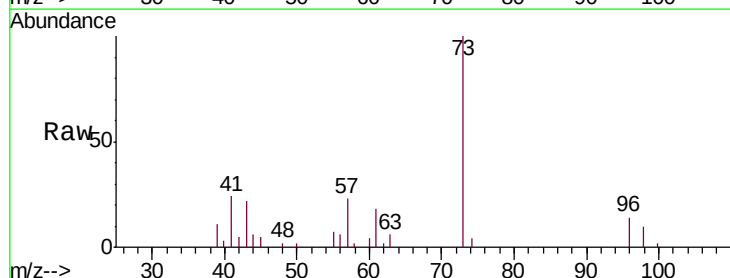


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

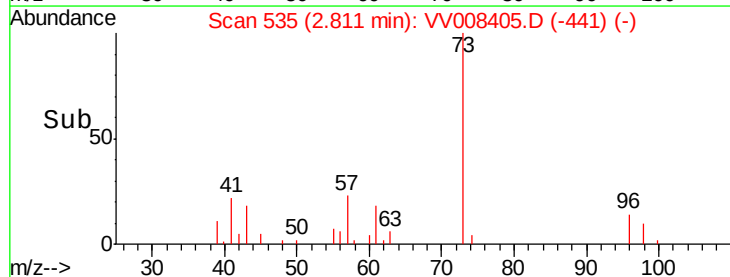
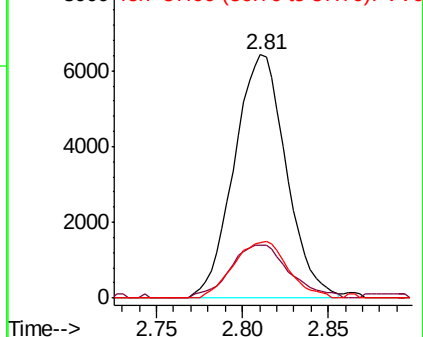


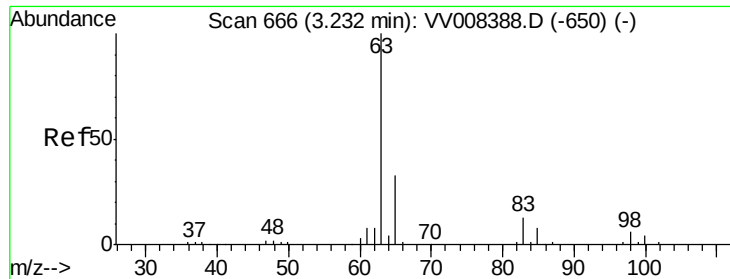
#18
Methyl tert-butyl Ether
Concen: 2.836 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion: 73 Resp: 13470
Ion Ratio Lower Upper
73 100
43 24.9 16.2 24.4#
57 24.4 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

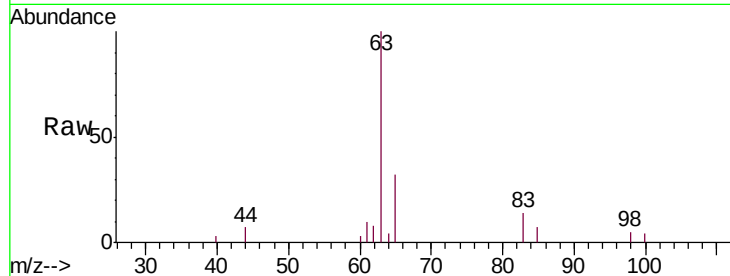




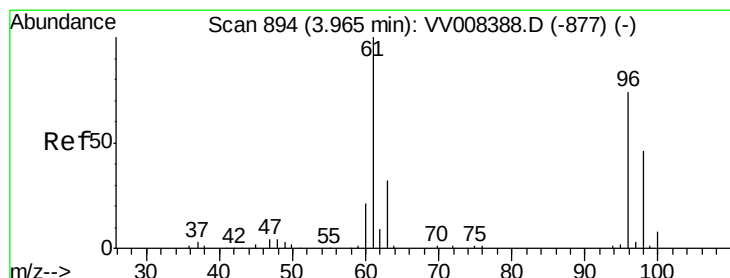
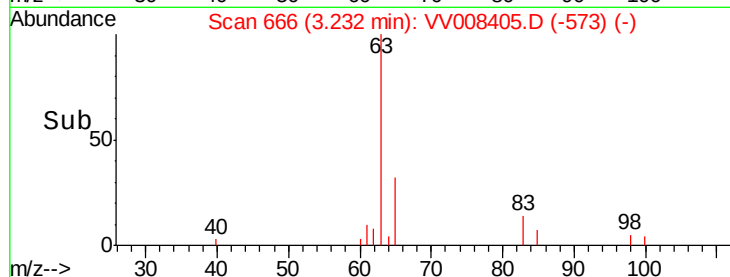
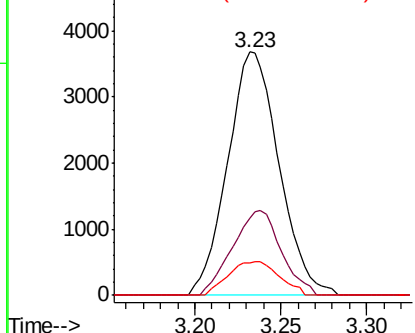
#19
 1,1-Dichloroethane
 Concen: 2.790 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 7637
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 13.5 9.3 17.3

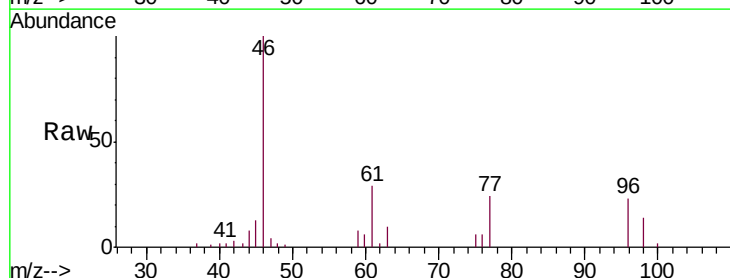


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

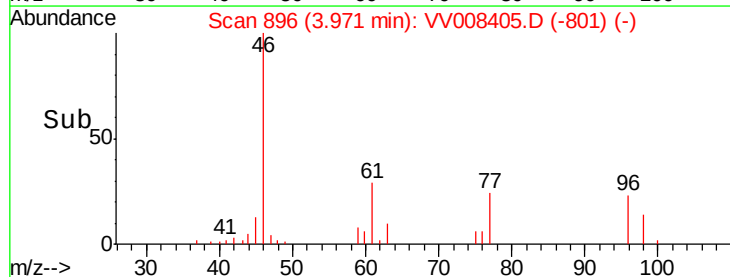
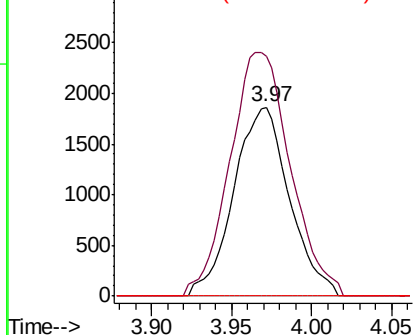


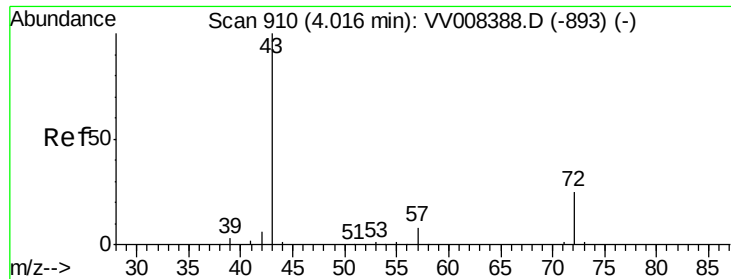
#20
 cis-1,2-Dichloroethene
 Concen: 2.939 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion: 96 Resp: 4443
 Ion Ratio Lower Upper
 96 100
 61 127.3 100.9 187.5
 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: 4.605 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampled :

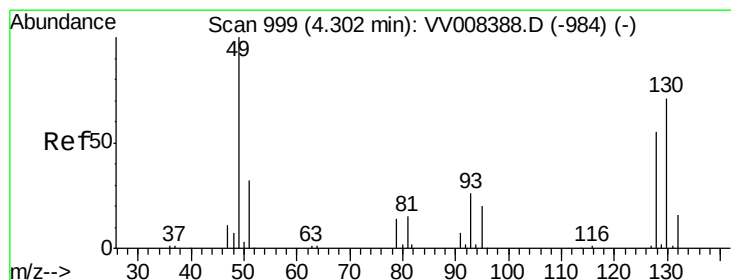
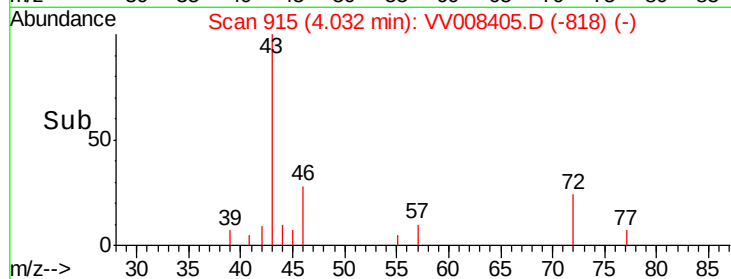
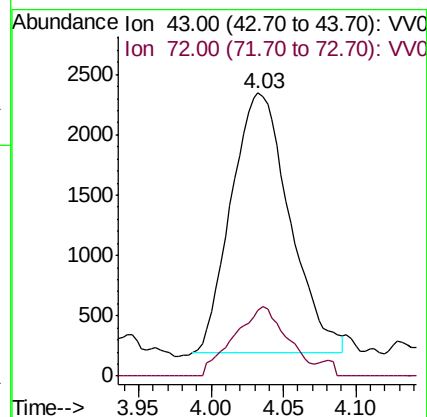
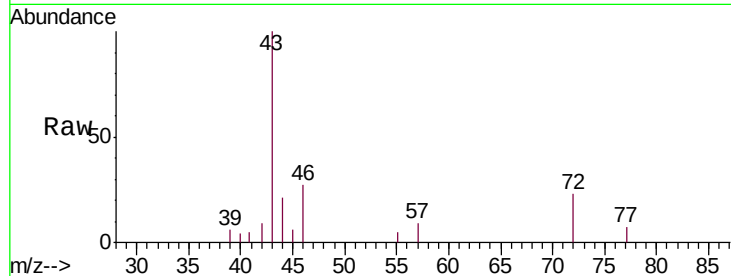
MDL07

Tgt Ion: 43 Resp: 6029

Ion Ratio Lower Upper

43 100

72 24.5 13.0 38.9



#23

Bromochloromethane

Concen: 1.287 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Tgt Ion: 128 Resp: 918

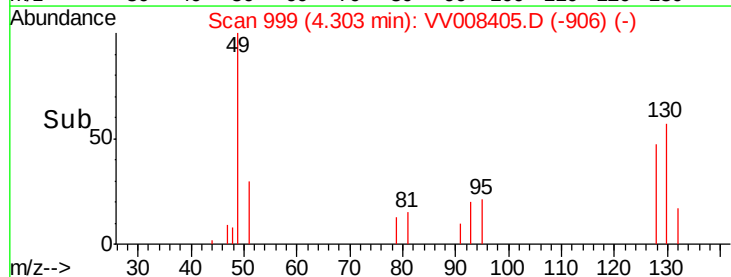
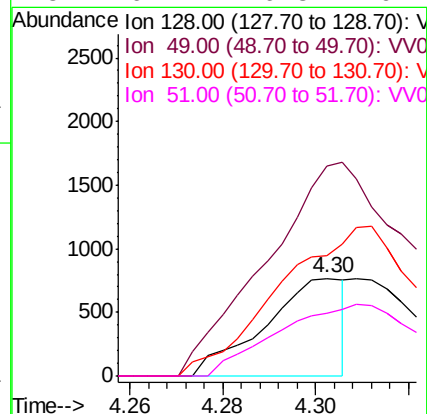
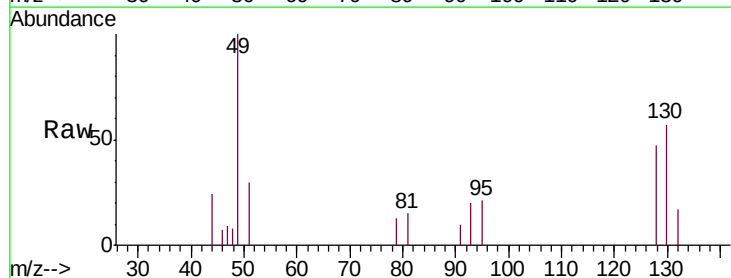
Ion Ratio Lower Upper

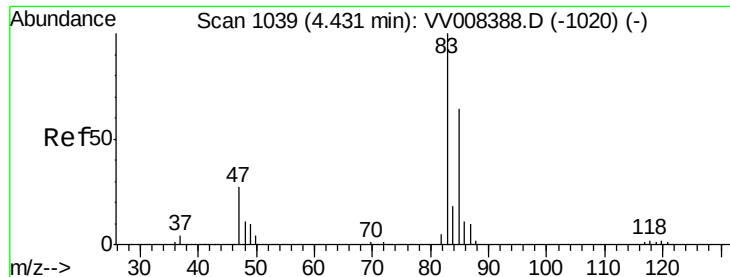
128 100

49 214.7 128.0 237.8

130 123.1 89.2 165.8

51 64.4 46.8 70.2

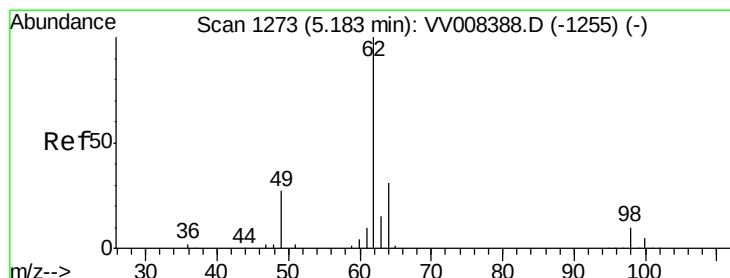
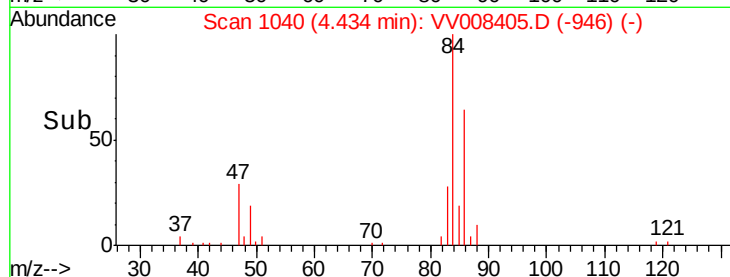
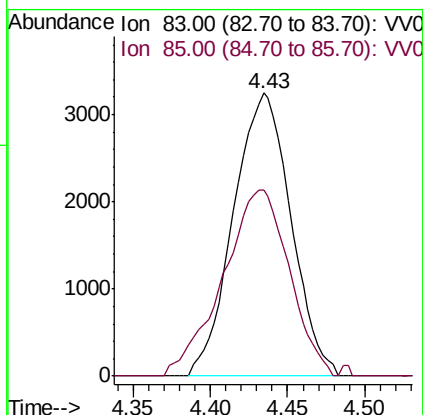
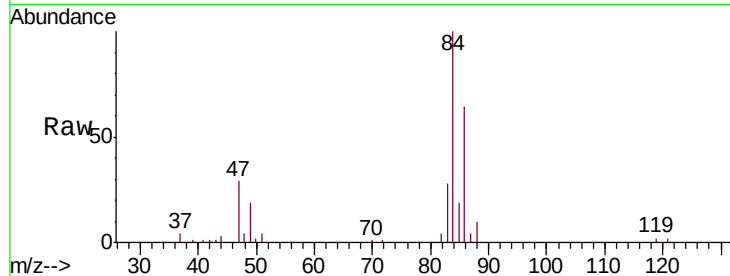




#25
Chloroform
Concen: 3.140 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

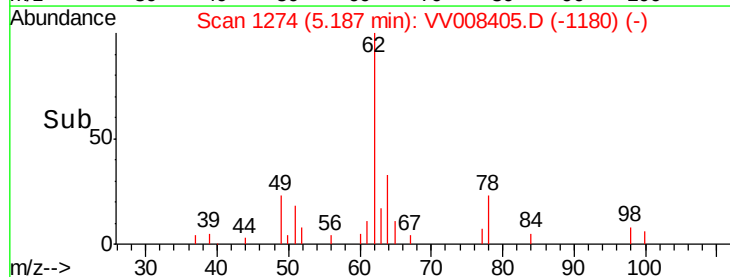
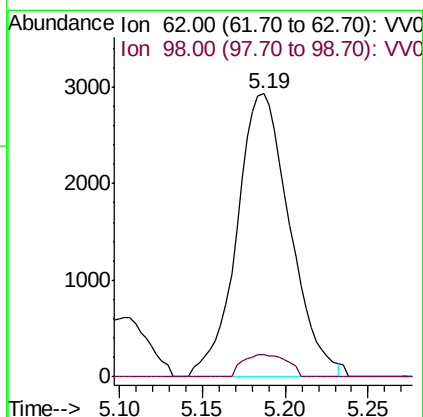
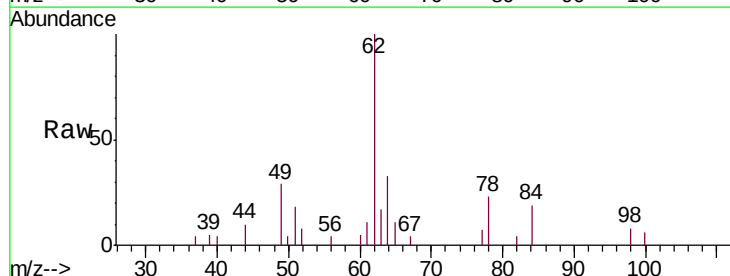
Instrument :
MSVOA_V
ClientSampled :
MDL07

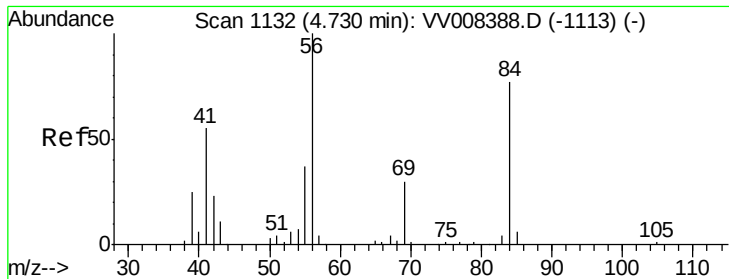
Tgt Ion: 83 Resp: 8390
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.914 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion: 62 Resp: 6503
Ion Ratio Lower Upper
62 100
98 7.7 6.6 9.8

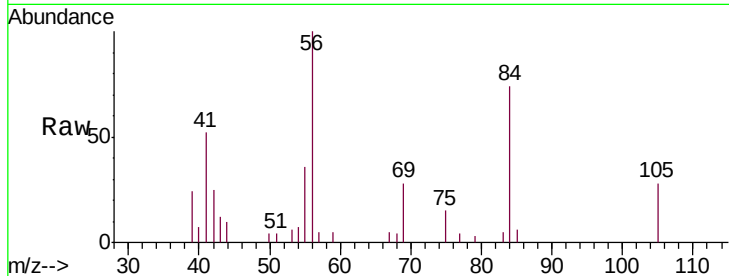




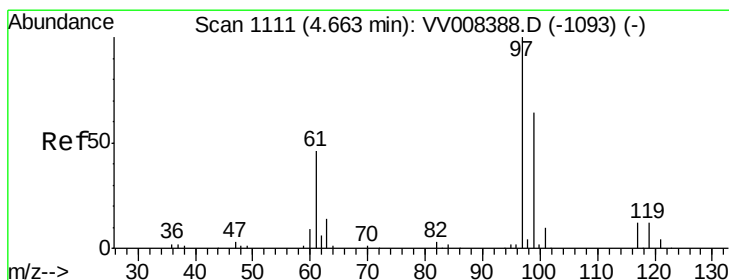
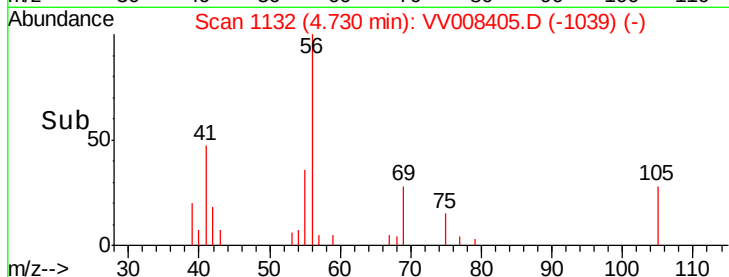
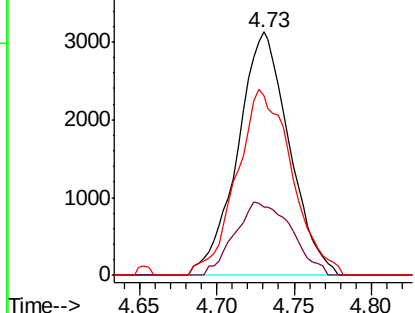
#29
Cyclohexane
Concen: 2.814 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 56 Resp: 7263
Ion Ratio Lower Upper
56 100
69 32.9 24.6 37.0
84 81.5 65.0 97.4

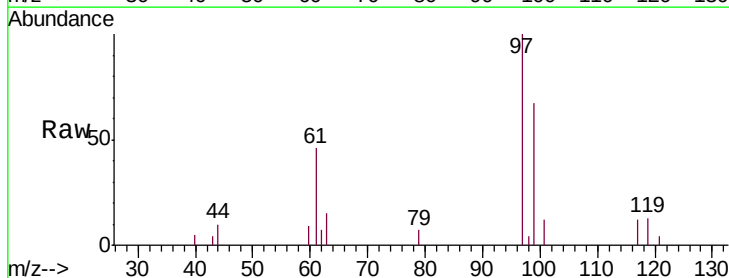


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

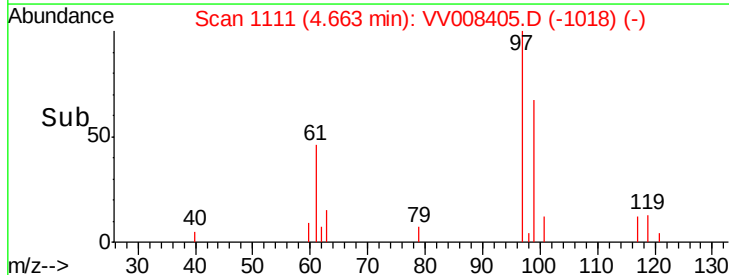
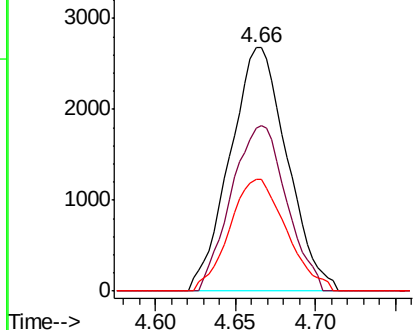


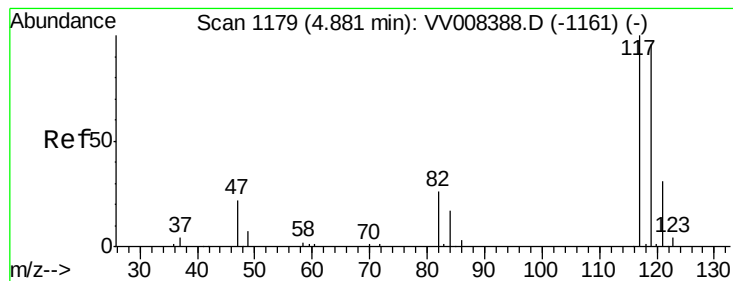
#30
1,1,1-Trichloroethane
Concen: 2.851 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion: 97 Resp: 6556
Ion Ratio Lower Upper
97 100
99 65.7 51.6 77.4
61 45.7 36.5 54.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.792 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

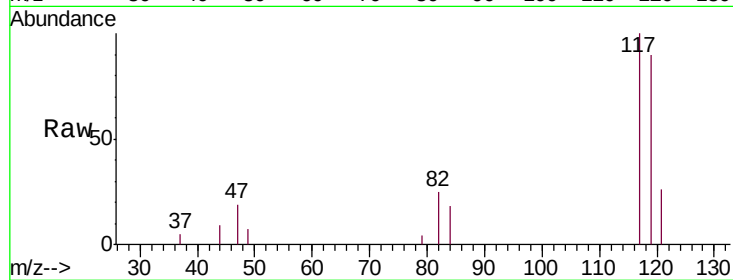
MDL07

Tgt Ion:117 Resp: 5448

Ion Ratio Lower Upper

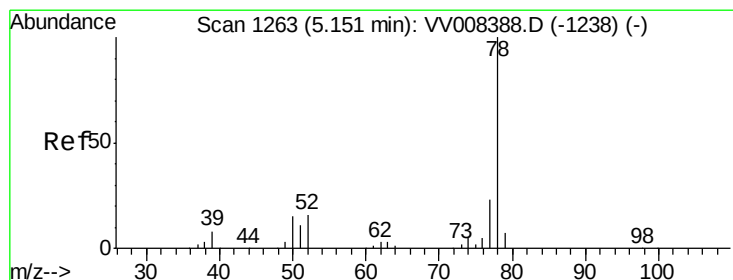
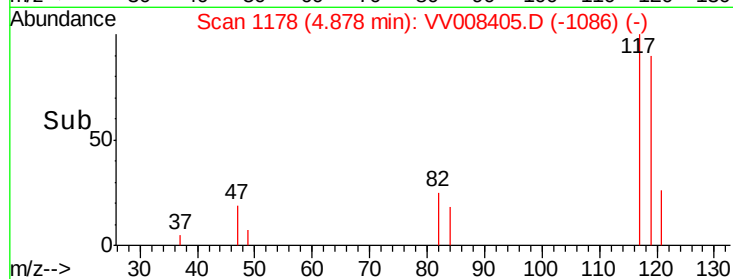
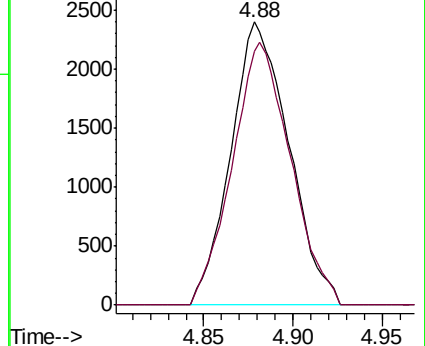
117 100

119 93.1 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: 2.957 ug/L

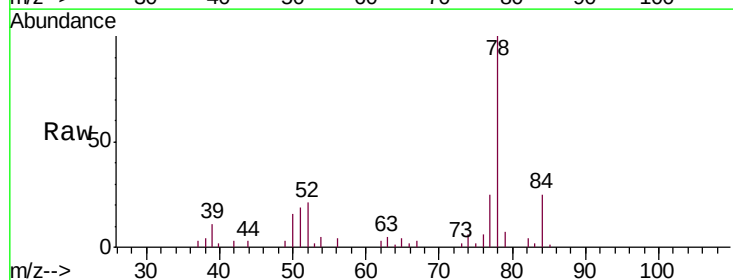
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

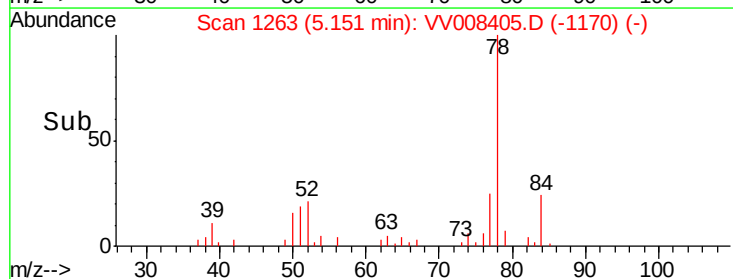
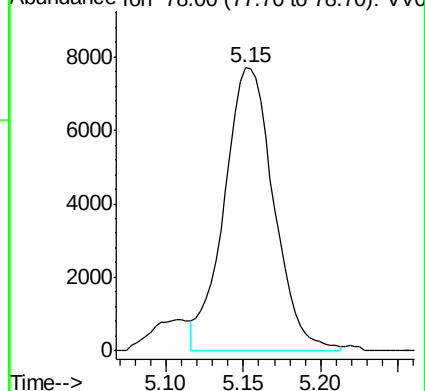
Lab File: VV008405.D

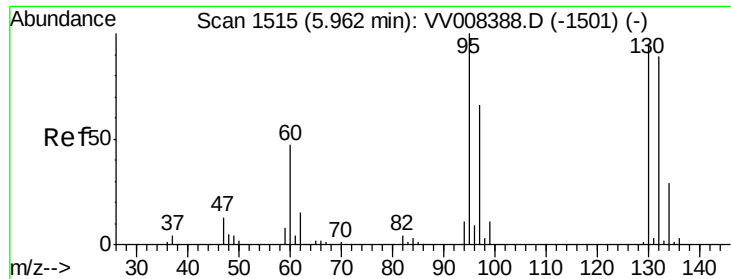
Acq: 24 Oct 2018 20:34

Tgt Ion: 78 Resp: 17136



Abundance Ion 78.00 (77.70 to 78.70): VV0

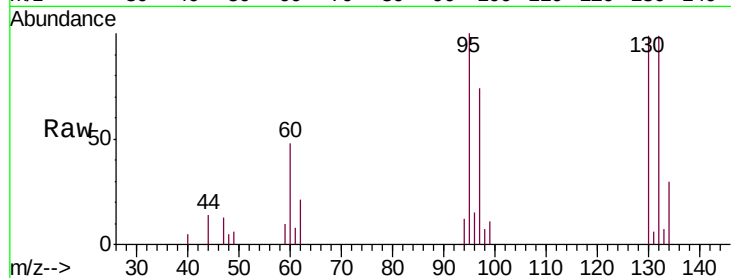




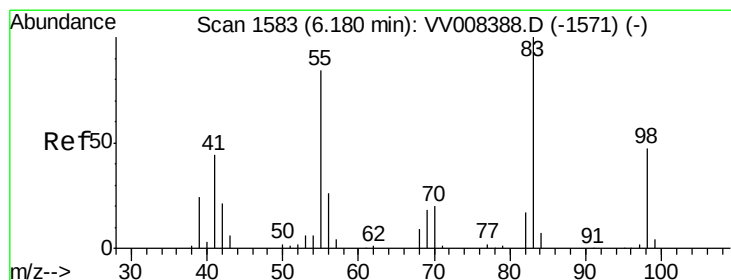
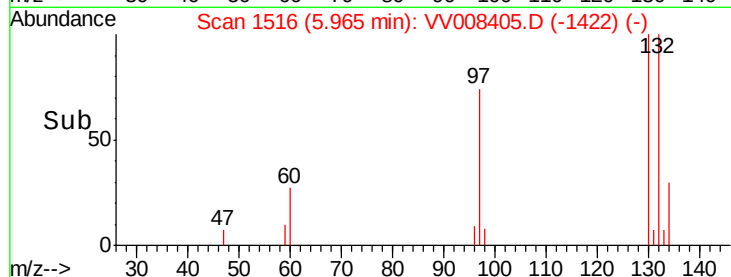
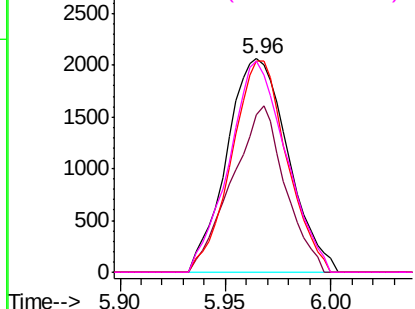
#34
 Trichloroethene
 Concen: 2.807 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 95 Resp: 4165
 Ion Ratio Lower Upper
 95 100
 97 73.8 45.2 84.0
 132 99.2 63.8 118.6
 130 98.7 64.7 120.1

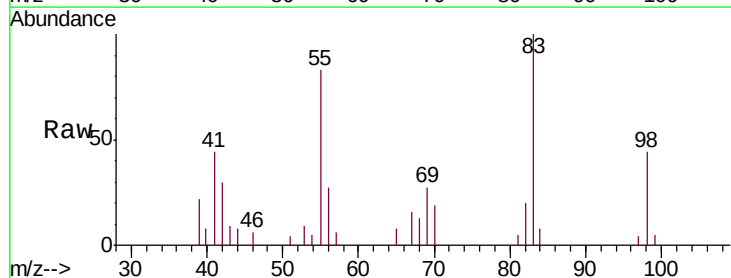


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

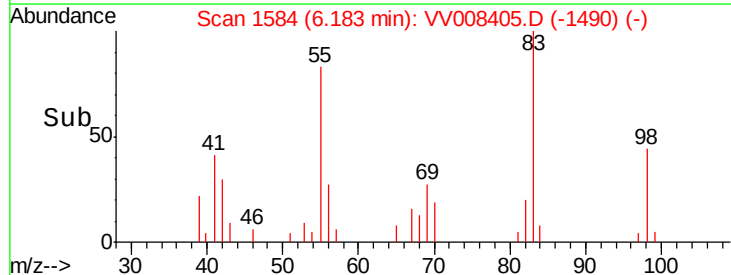
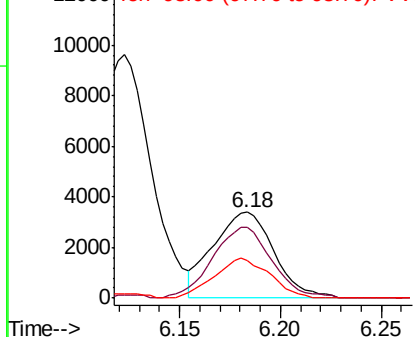


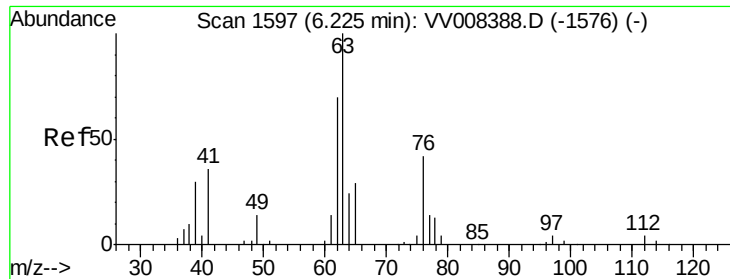
#35
 Methylcyclohexane
 Concen: 2.833 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion: 83 Resp: 7147
 Ion Ratio Lower Upper
 83 100
 55 80.7 65.0 97.4
 98 42.3 36.0 54.0



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

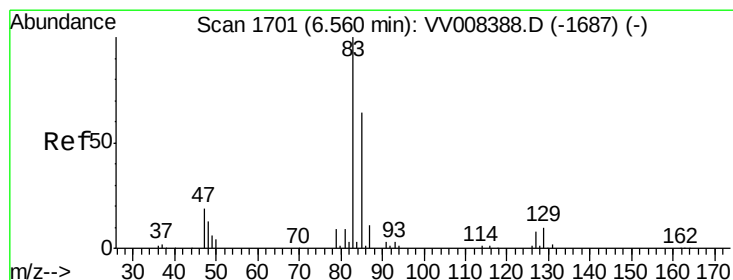
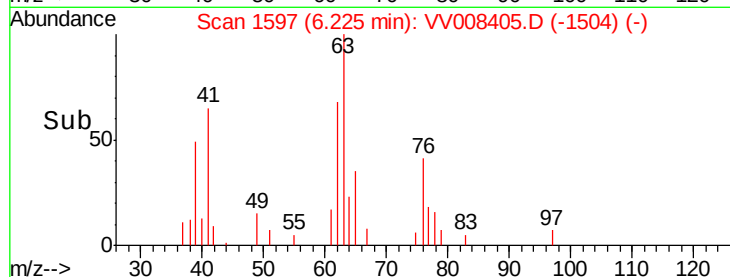
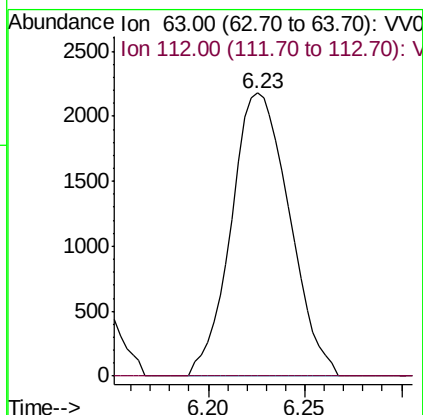
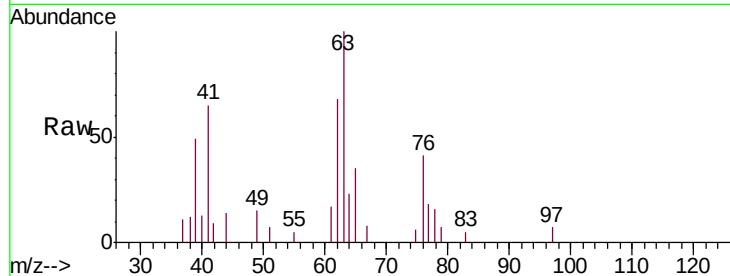




#37
 1,2-Dichloropropane
 Concen: 2.842 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

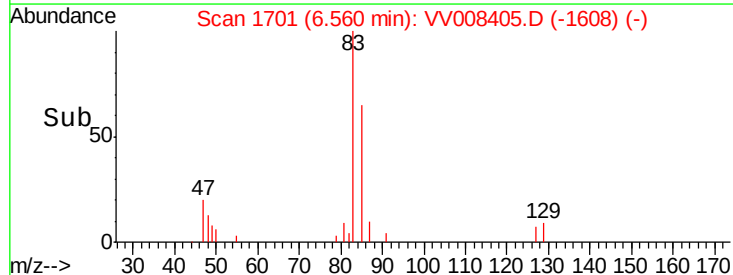
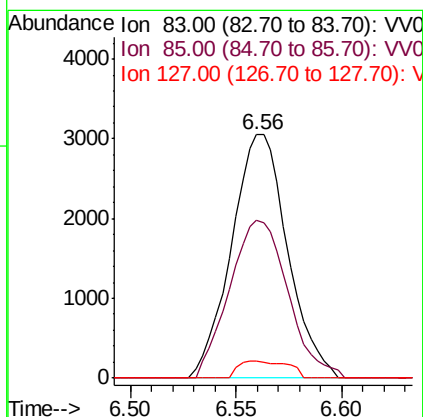
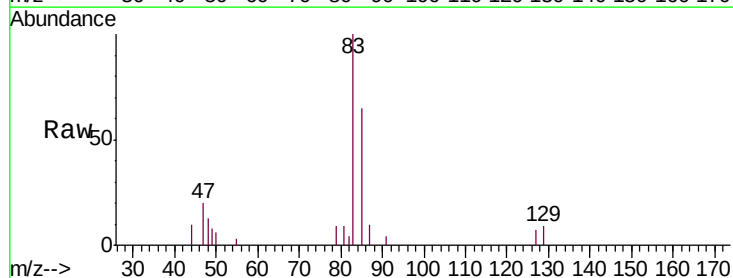
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

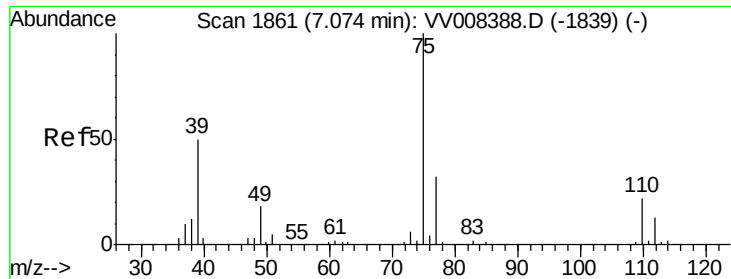
Tgt Ion: 63 Resp: 4549
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.768 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion: 83 Resp: 5645
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.3 82.3
 127 6.8 6.3 9.5

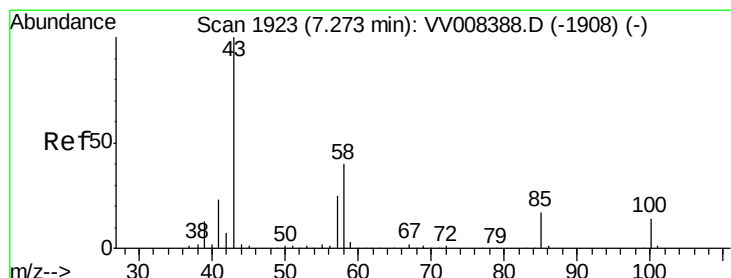
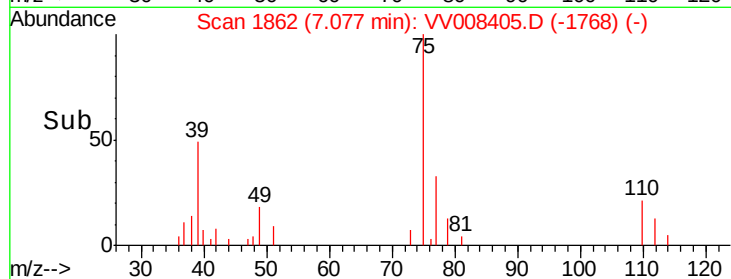
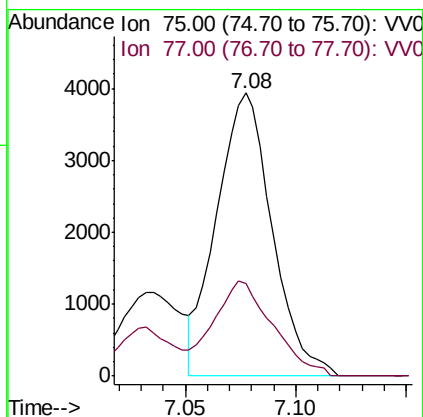
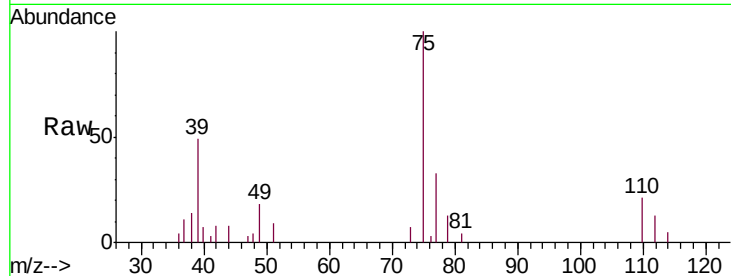




#39
 cis-1,3-Dichloropropene
 Concen: 2.727 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

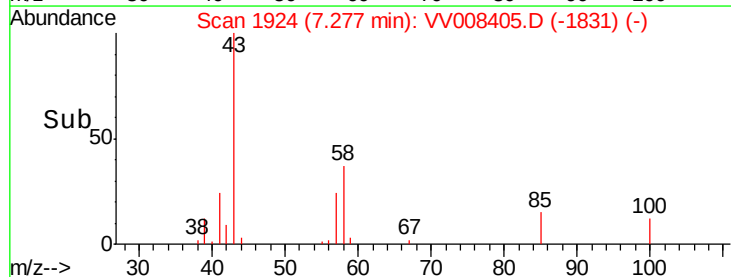
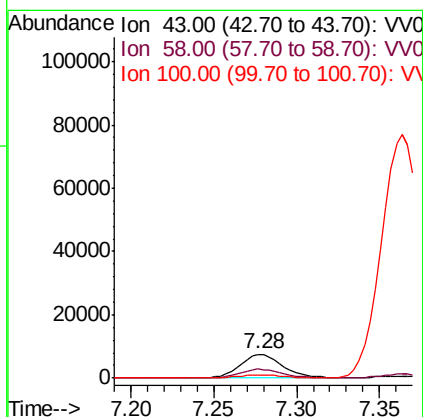
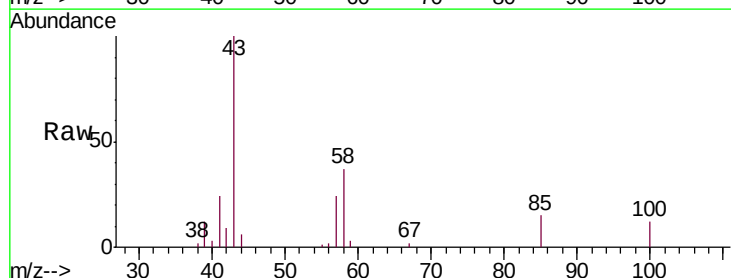
Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

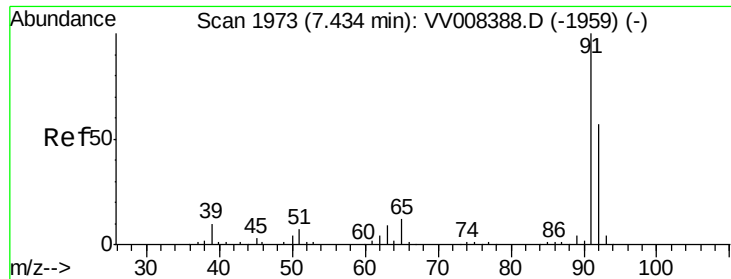
Tgt Ion: 75 Resp: 6862
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 5.702 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion: 43 Resp: 13514
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.9 46.3
 100 13.0 10.9 16.3





#42

Toluene

Concen: 2.914 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampled :

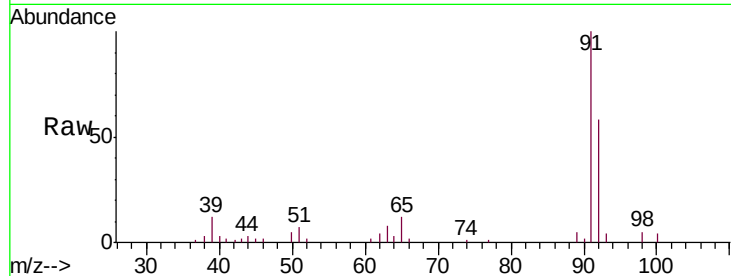
MDL07

Tgt Ion: 91 Resp: 17540

Ion Ratio Lower Upper

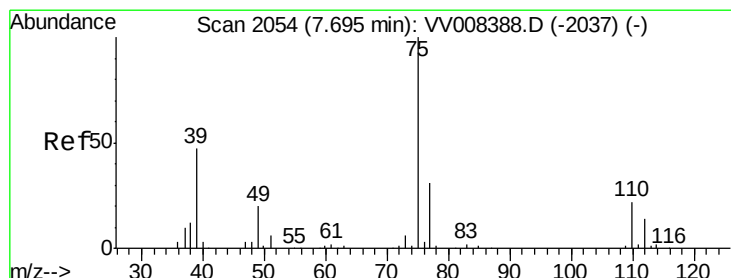
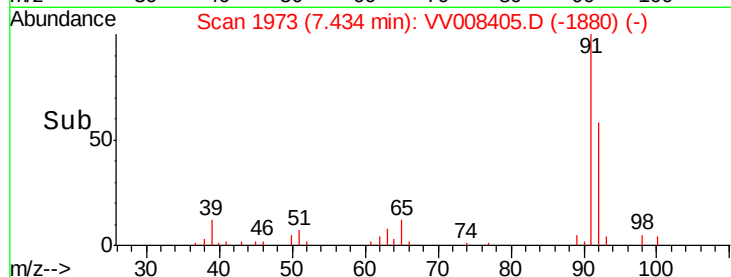
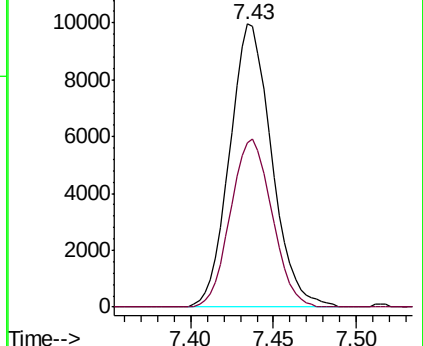
91 100

92 58.0 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: 3.397 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008405.D

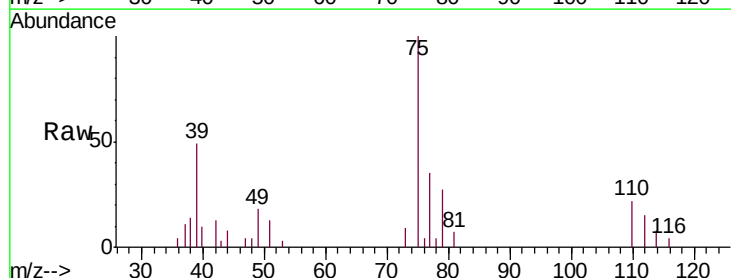
Acq: 24 Oct 2018 20:34

Tgt Ion: 75 Resp: 7998

Ion Ratio Lower Upper

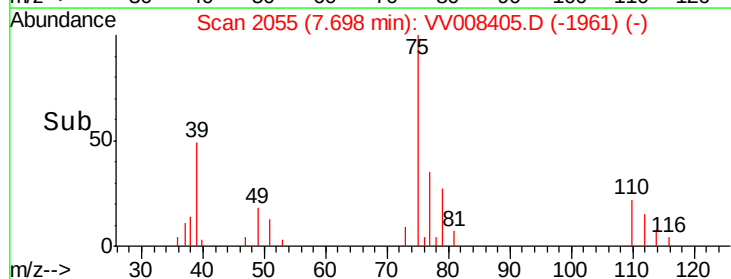
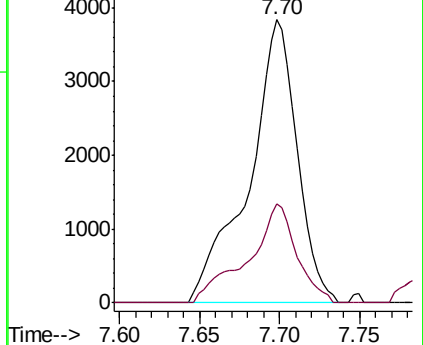
75 100

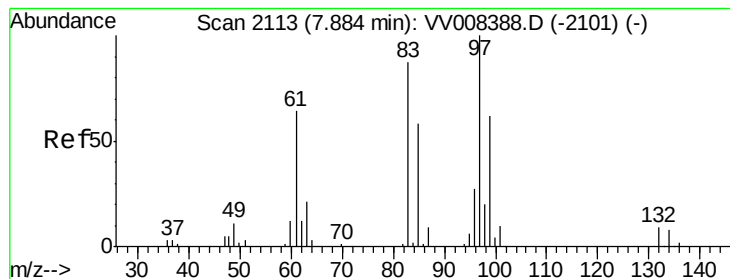
77 34.9 21.8 40.4



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: 2.822 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 97 Resp: 3994

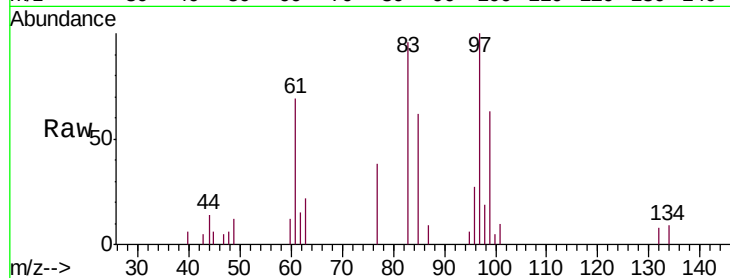
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.3

83 95.9 61.9 114.9

85 62.3 40.9 75.9

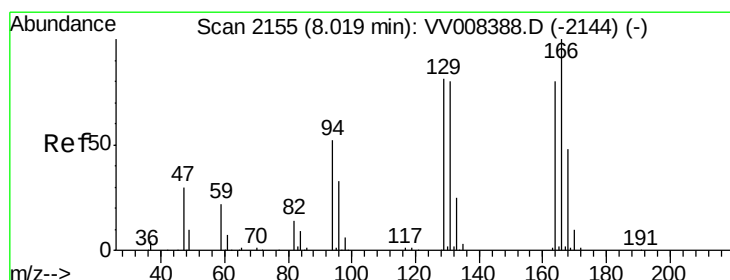
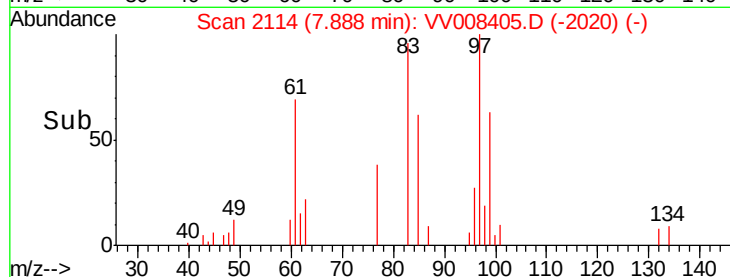
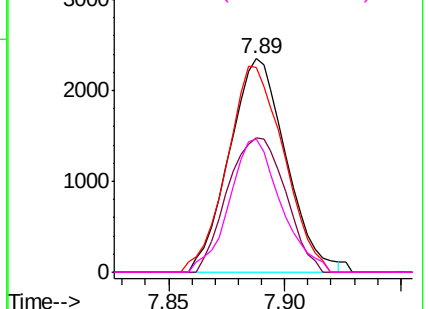


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 2.700 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Tgt Ion: 164 Resp: 2612

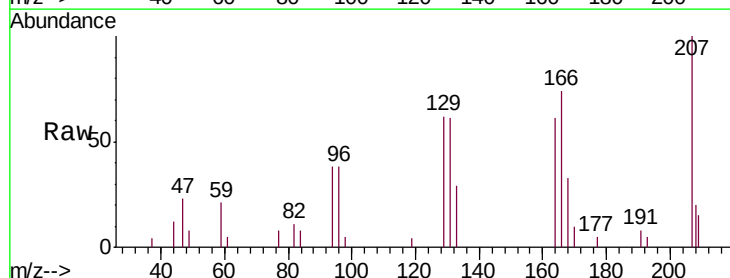
Ion Ratio Lower Upper

164 100

129 102.4 75.0 139.2

131 100.6 71.3 132.3

166 122.5 89.2 165.6

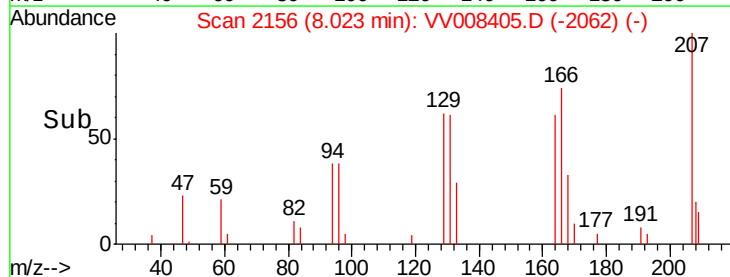
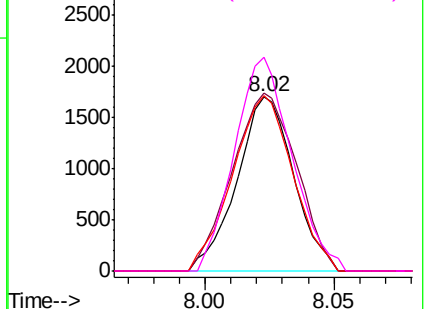


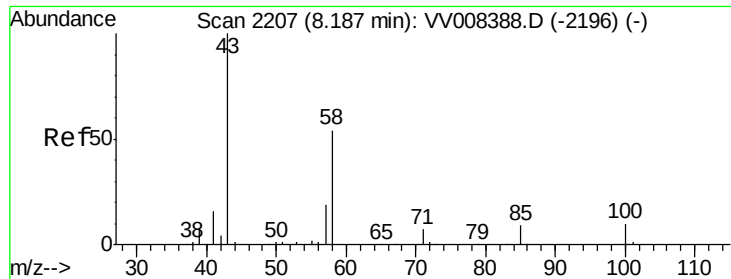
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

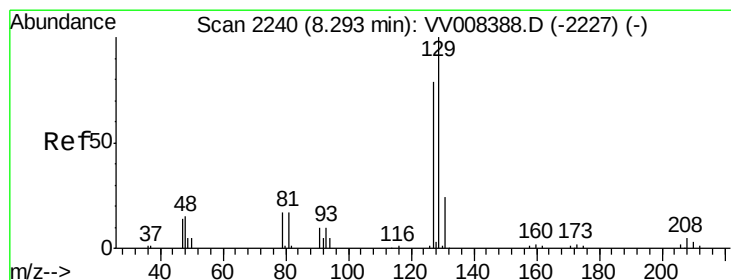
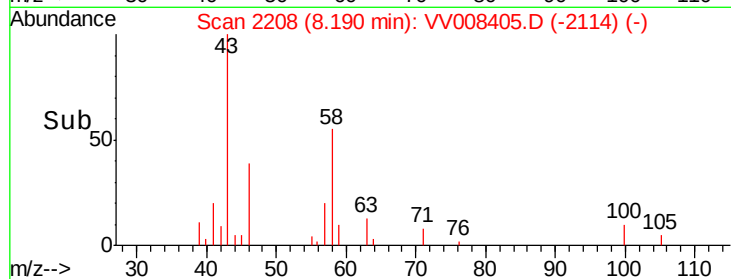
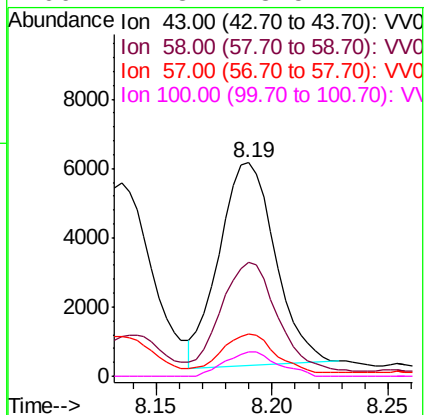
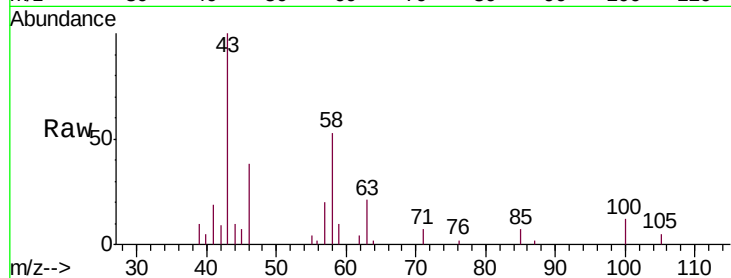




#48
2-Hexanone
Concen: 5.391 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

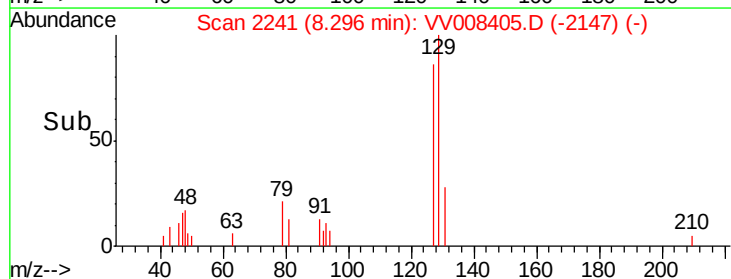
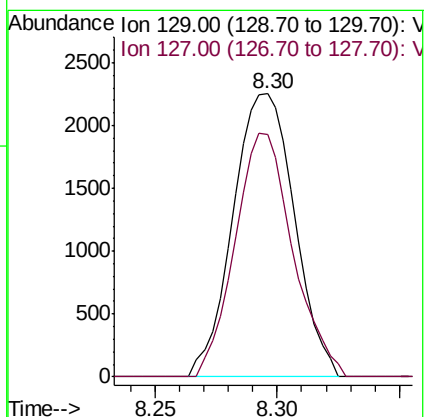
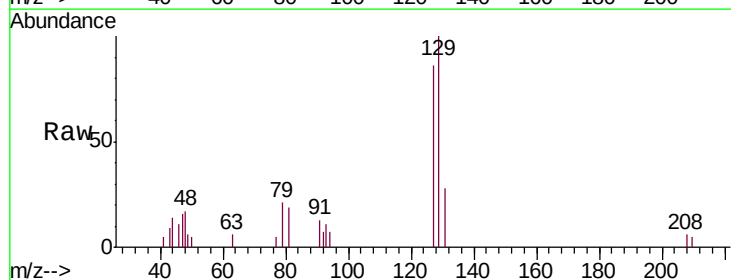
Instrument :
MSVOA_V
ClientSampleId :
MDL07

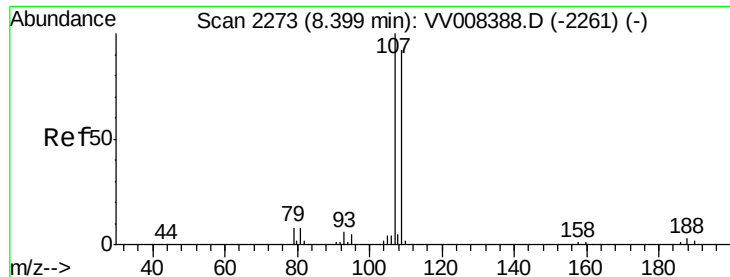
Tgt Ion:	43	Resp:	9859
Ion	Ratio	Lower	Upper
43	100		
58	60.8	42.6	63.8
57	18.7	14.8	22.2
100	11.3	8.5	12.7



#49
Dibromochloromethane
Concen: 2.587 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion:	129	Resp:	3935
Ion	Ratio	Lower	Upper
129	100		
127	85.8	54.9	101.9

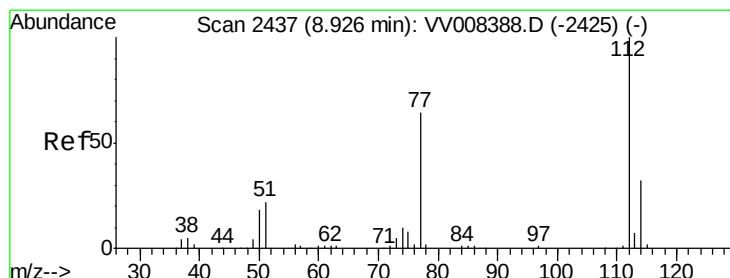
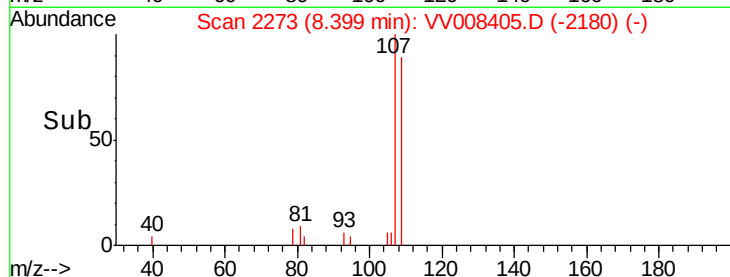
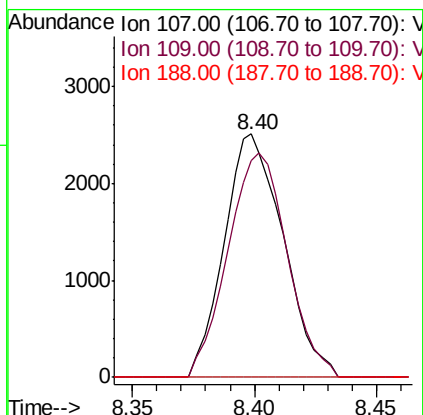
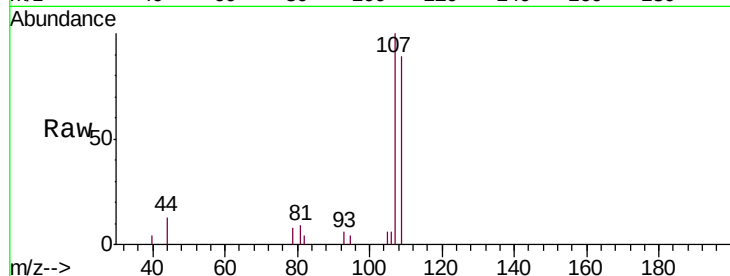




#50
 1,2-Dibromoethane
 Concen: 2.841 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

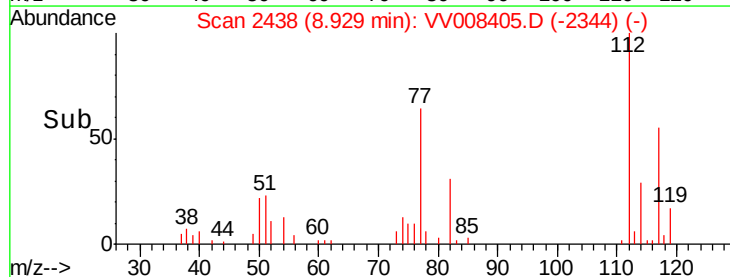
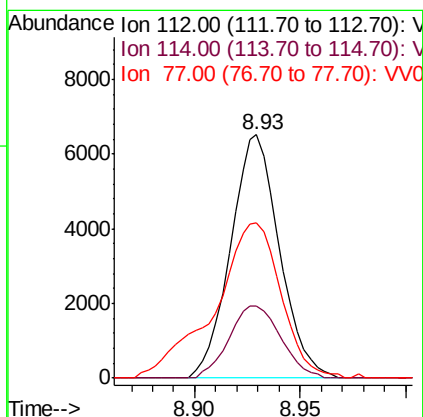
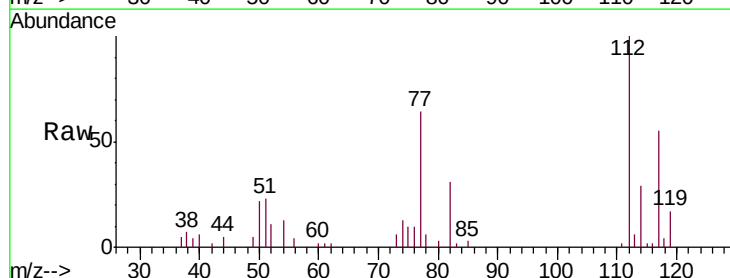
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

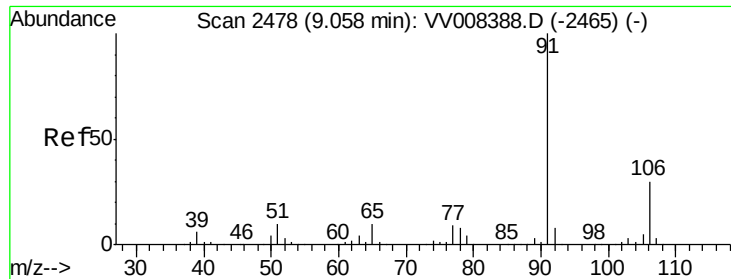
Tgt Ion:107 Resp: 4217
 Ion Ratio Lower Upper
 107 100
 109 88.8 65.2 121.2
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 2.820 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion:112 Resp: 10454
 Ion Ratio Lower Upper
 112 100
 114 29.5 22.5 41.7
 77 63.8 52.0 78.0





#52

Ethylbenzene

Concen: 2.839 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

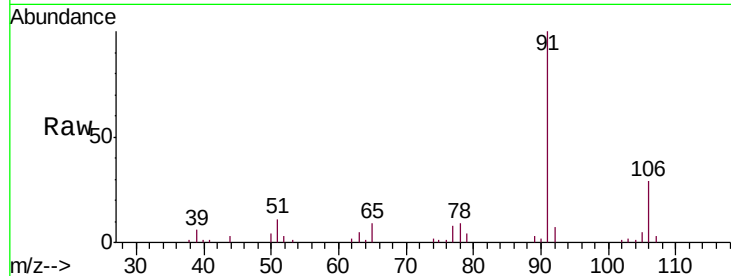
MDL07

Tgt Ion: 91 Resp: 19142

Ion Ratio Lower Upper

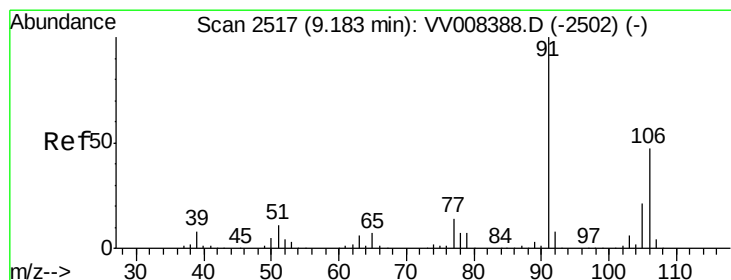
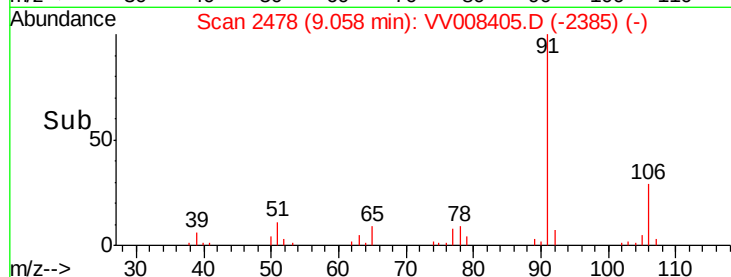
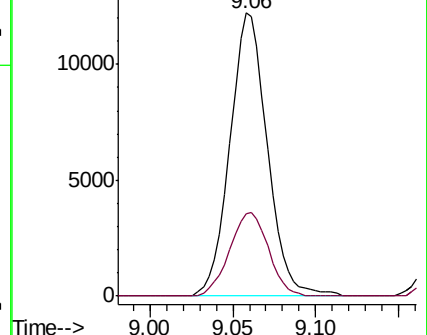
91 100

106 29.1 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008388.D (-2465) (-)



#53

m,p-Xylene

Concen: 2.838 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008405.D

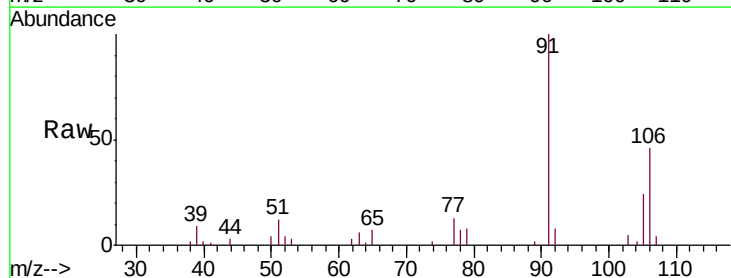
Acq: 24 Oct 2018 20:34

Tgt Ion: 106 Resp: 6992

Ion Ratio Lower Upper

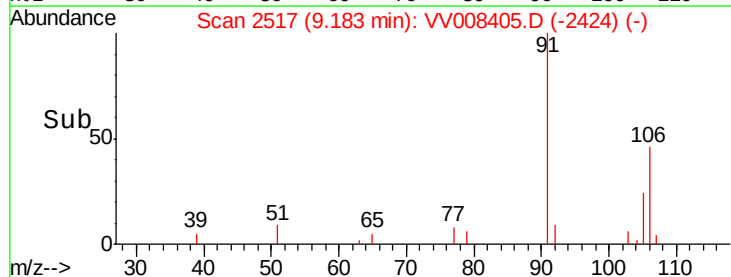
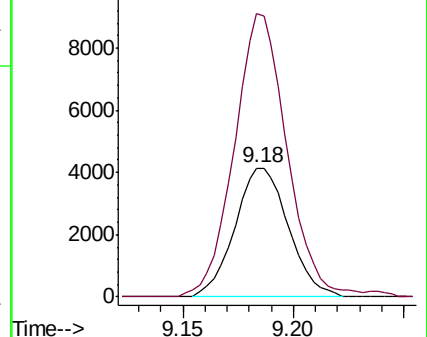
106 100

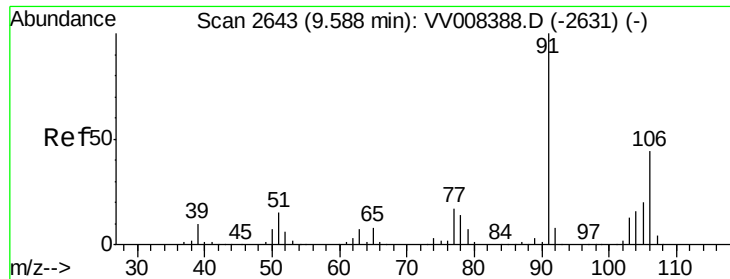
91 219.6 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008388.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV008388.D (-2502) (-)

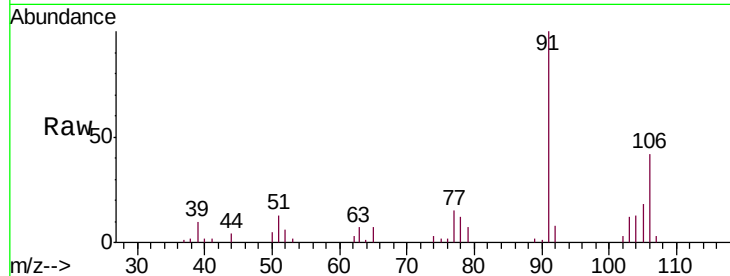




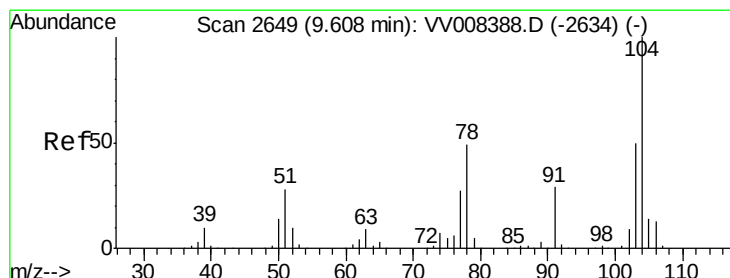
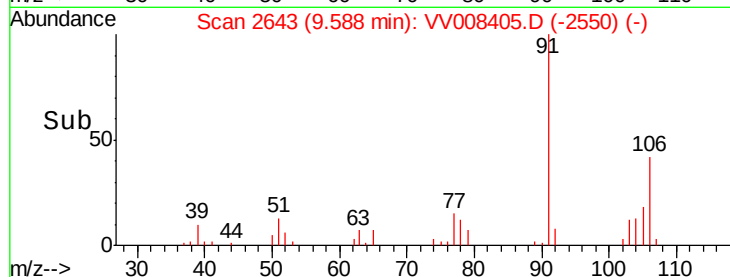
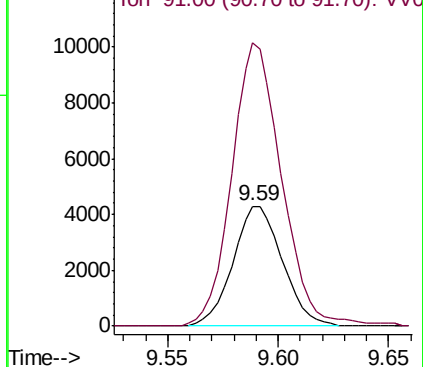
#54
o-xylene
Concen: 2.721 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion:106 Resp: 6694
Ion Ratio Lower Upper
106 100
91 235.7 158.7 294.7

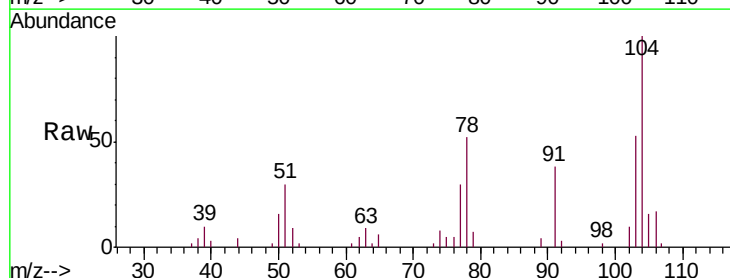


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

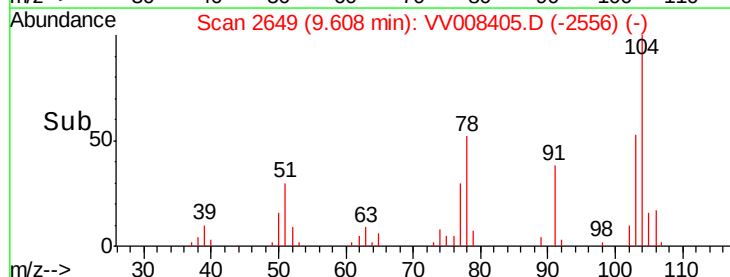
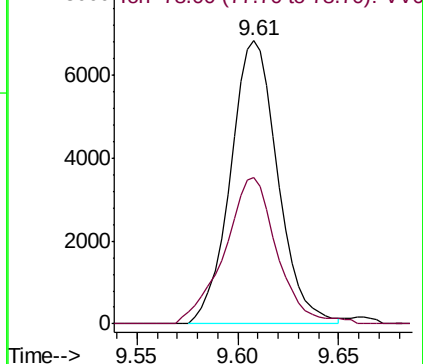


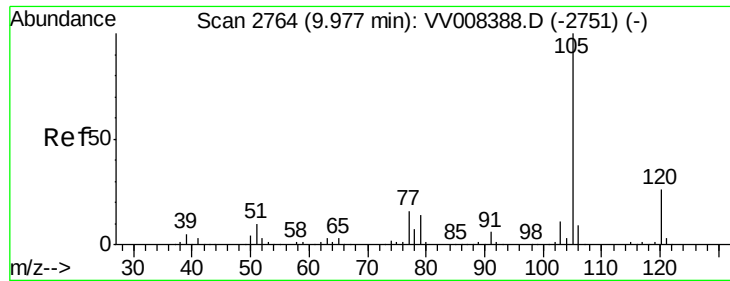
#55
Styrene
Concen: 2.705 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008405.D
Acq: 24 Oct 2018 20:34

Tgt Ion:104 Resp: 11214
Ion Ratio Lower Upper
104 100
78 51.9 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.780 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

MDL07

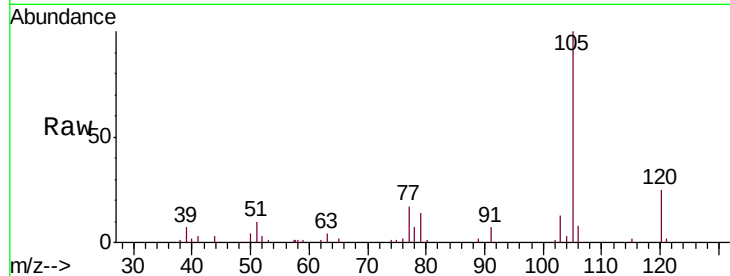
Tgt Ion:105 Resp: 17891

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

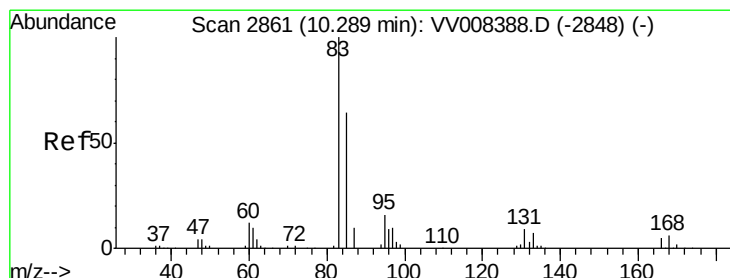
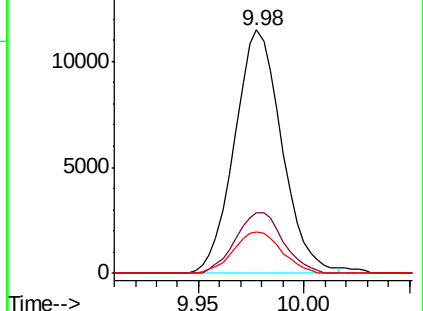
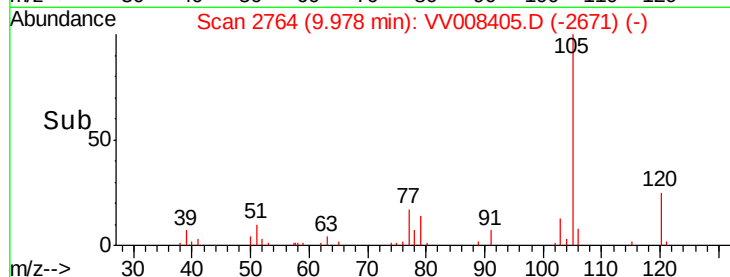
77 17.2 13.5 20.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 3.073 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

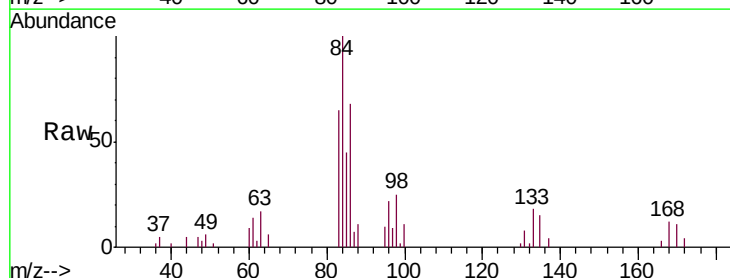
Tgt Ion: 83 Resp: 7616

Ion Ratio Lower Upper

83 100

85 69.4 45.8 85.2

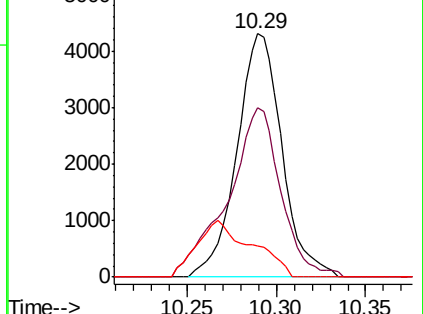
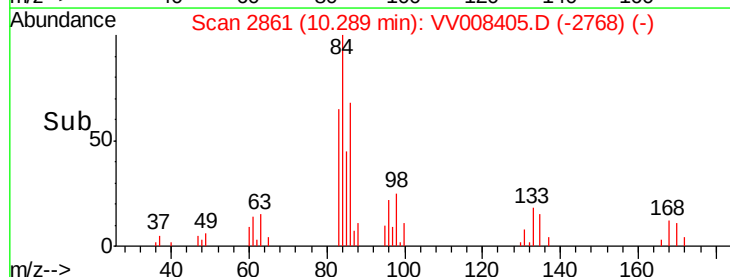
131 12.9 7.3 10.9#

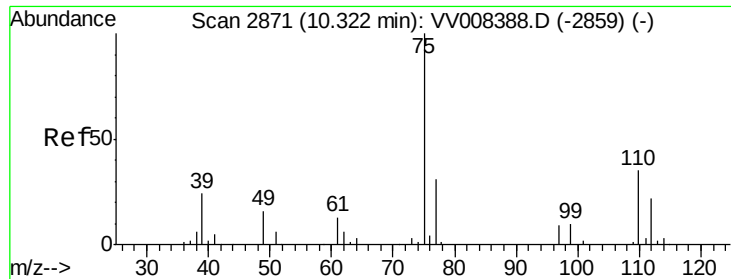


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.834 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

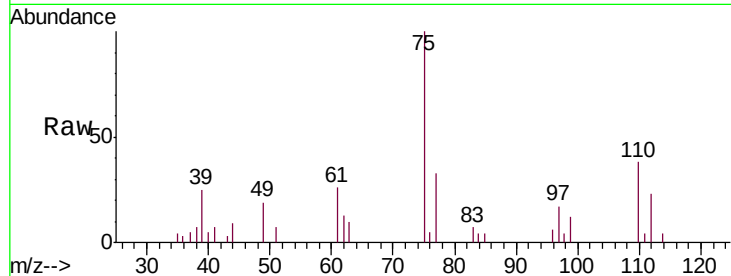
MDL07

Tgt Ion: 75 Resp: 5684

Ion Ratio Lower Upper

75 100

77 32.0 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) (-)

10.32

3000

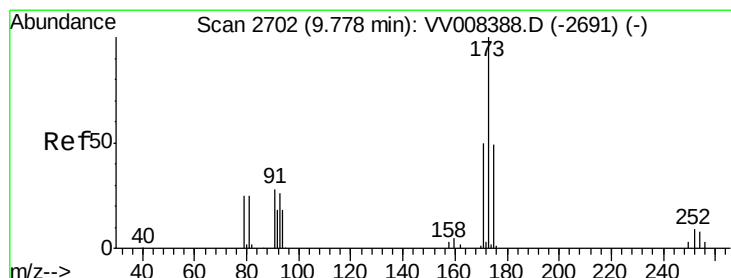
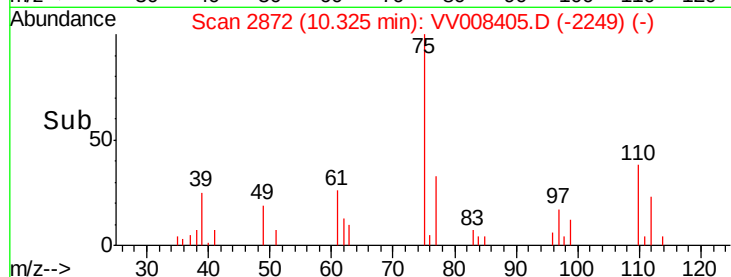
2000

1000

0

10.30 10.35

Time-->



#61

Bromoform

Concen: 2.735 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

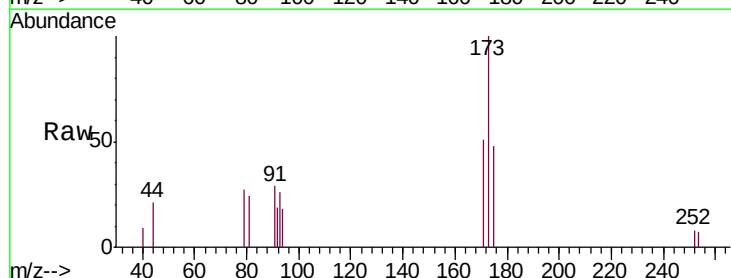
Tgt Ion: 173 Resp: 2566

Ion Ratio Lower Upper

173 100

175 47.3 38.6 57.8

254 3.4 5.9 8.9#



Abundance Ion 173.00 (172.70 to 173.70): VV008388.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008388.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008388.D (-2691) (-)

9.78

2000

1500

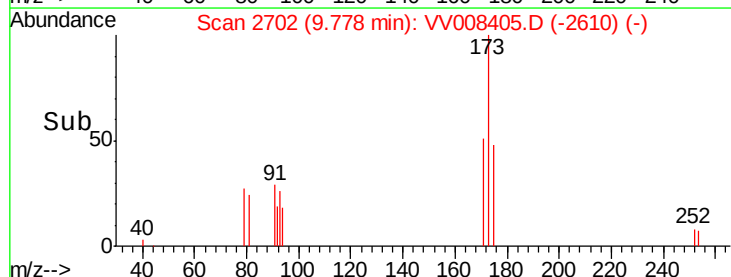
1000

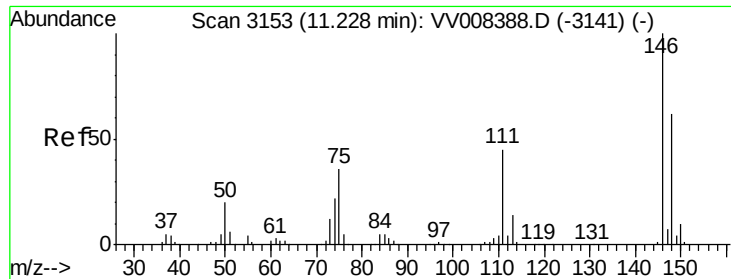
500

0

9.75 9.80

Time-->

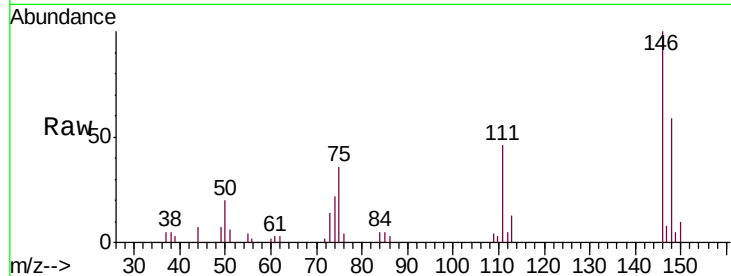




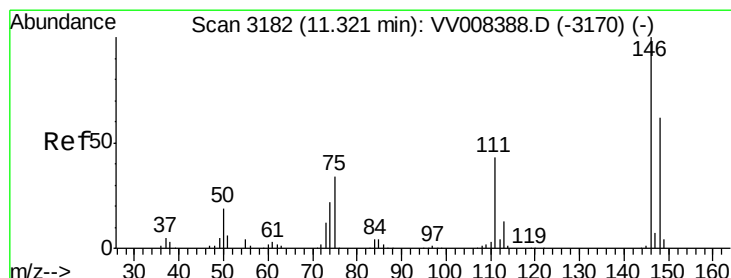
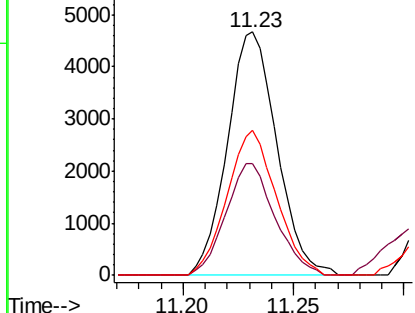
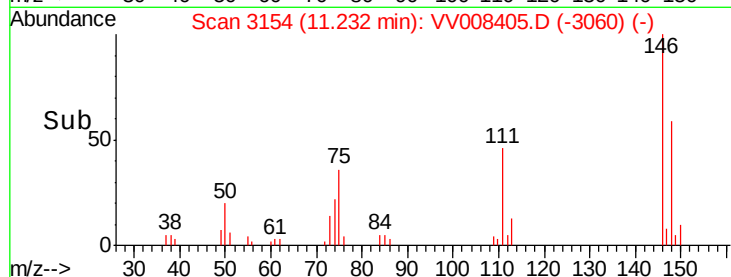
#62
 1,3-Dichlorobenzene
 Concen: 2.963 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:146 Resp: 7284
 Ion Ratio Lower Upper
 146 100
 111 45.8 30.9 57.3
 148 59.4 44.1 81.9

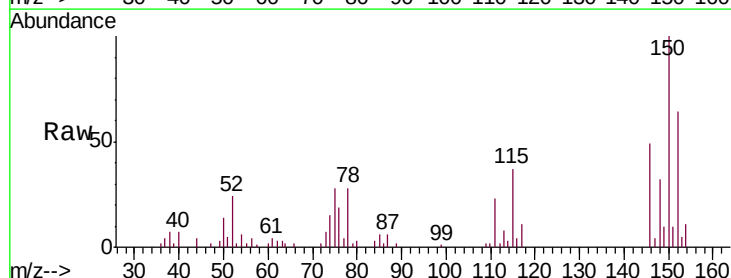


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

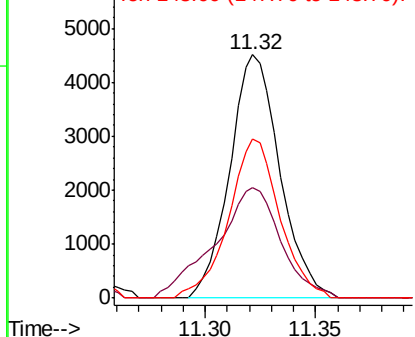
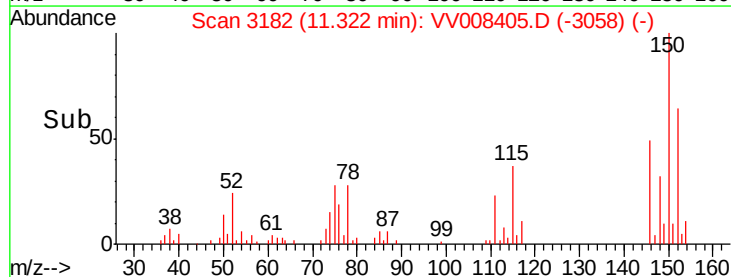


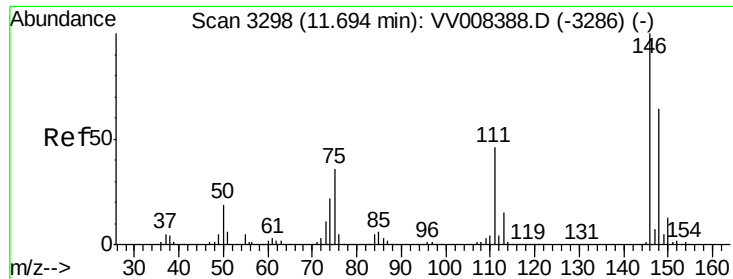
#63
 1,4-Dichlorobenzene
 Concen: 2.890 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion:146 Resp: 7120
 Ion Ratio Lower Upper
 146 100
 111 45.6 29.8 55.4
 148 65.3 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

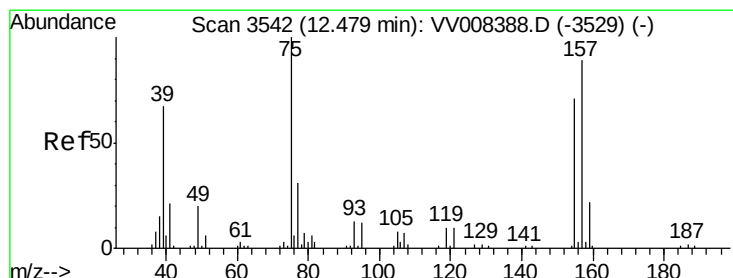
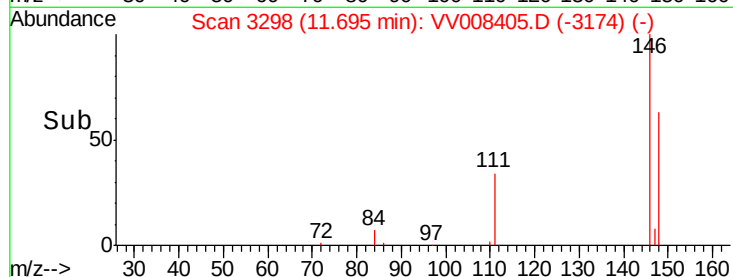
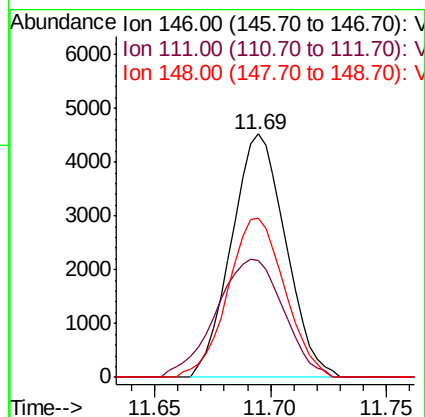
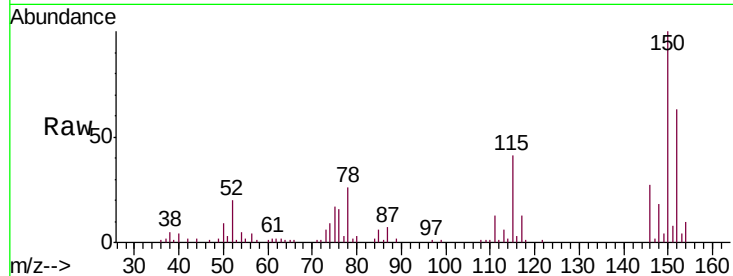




#65
 1,2-Dichlorobenzene
 Concen: 2.938 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

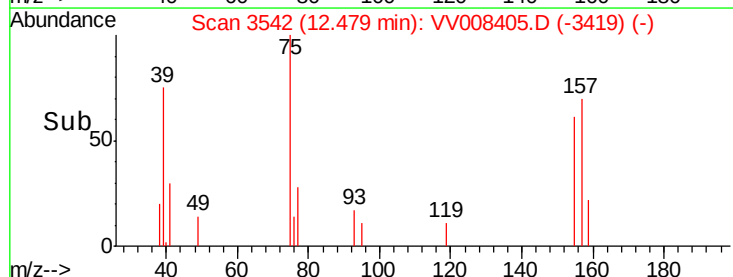
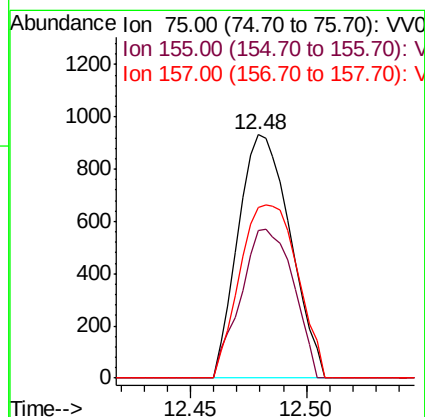
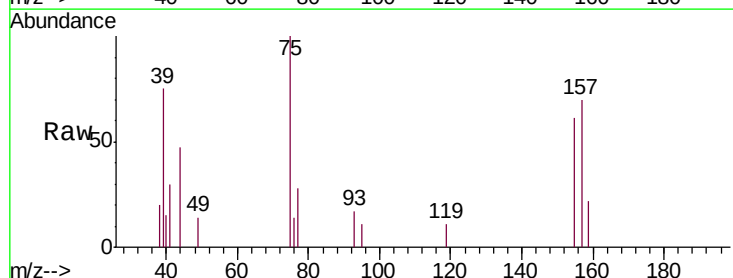
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

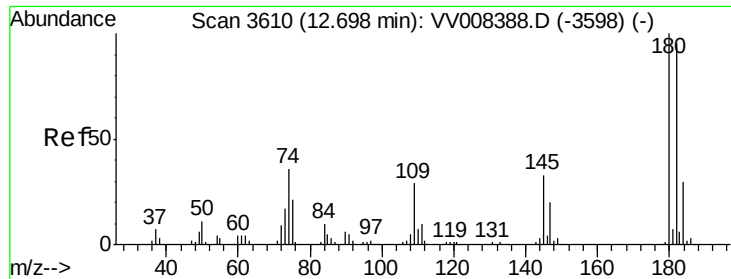
Tgt Ion: 146 Resp: 7366
 Ion Ratio Lower Upper
 146 100
 111 47.9 36.2 54.2
 148 65.5 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.825 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008405.D
 Acq: 24 Oct 2018 20:34

Tgt Ion: 75 Resp: 1456
 Ion Ratio Lower Upper
 75 100
 155 60.5 55.4 83.0
 157 70.2 72.8 109.2#





#67

1,3,5-Trichlorobenzene

Concen: 2.530 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:180 Resp: 4062

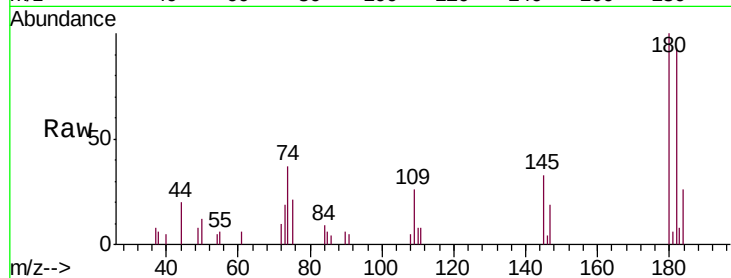
Ion Ratio Lower Upper

180 100

182 98.5 75.9 113.9

184 28.3 24.1 36.1

145 33.7 26.8 40.2

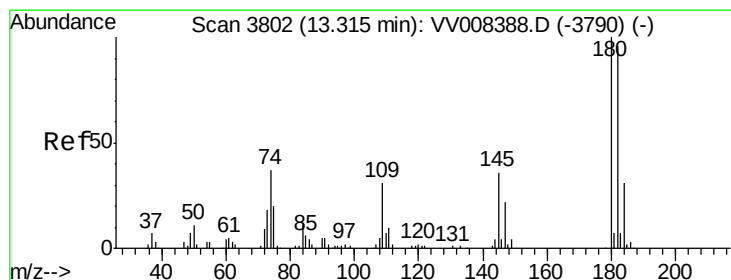
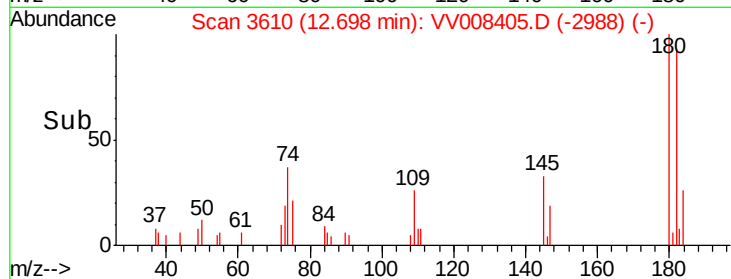
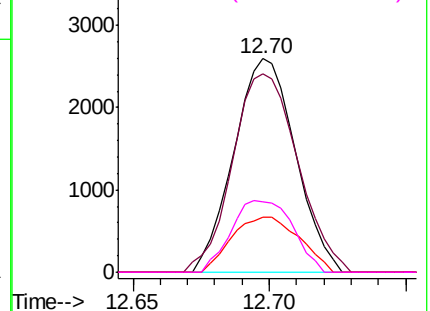


Abundance Ion 180.00 (179.70 to 180.70): V

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: 2.014 ug/L

RT: 13.32 min Scan# 3802

Delta R.T. 0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

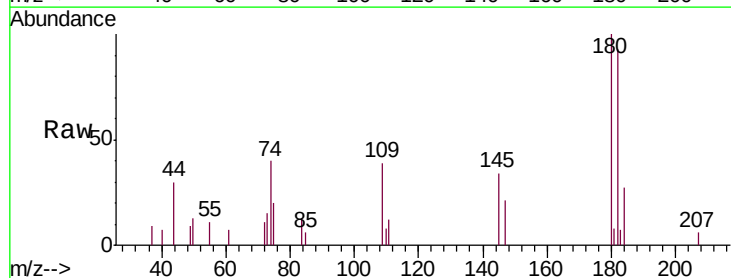
Tgt Ion:180 Resp: 2616

Ion Ratio Lower Upper

180 100

182 96.9 75.4 113.2

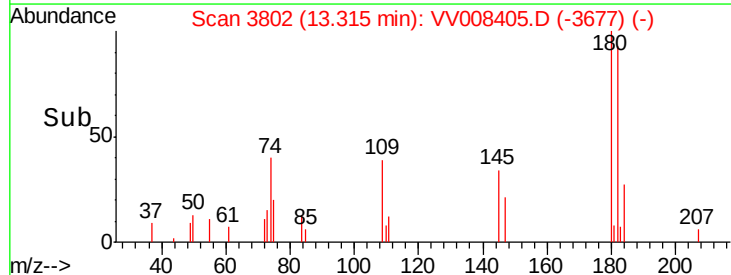
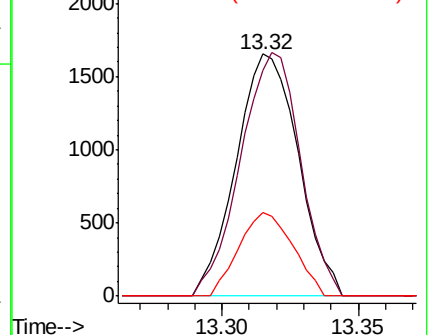
145 30.0 27.0 40.6

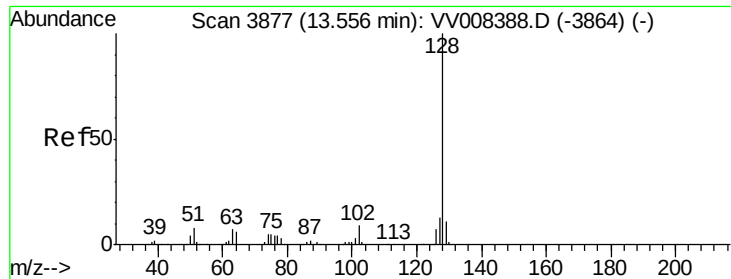


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.656 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

Instrument :

MSVOA_V

ClientSampled :

MDL07

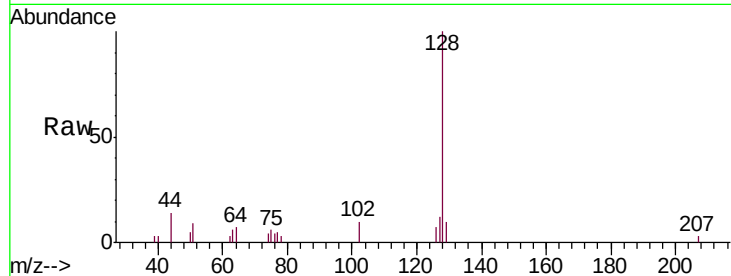
Tgt Ion:128 Resp: 6954

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

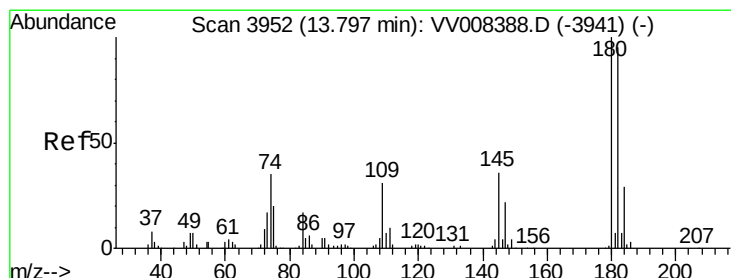
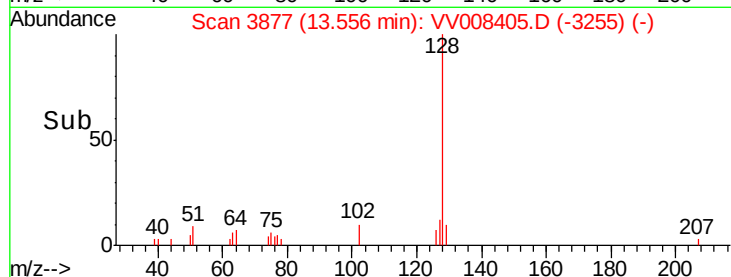
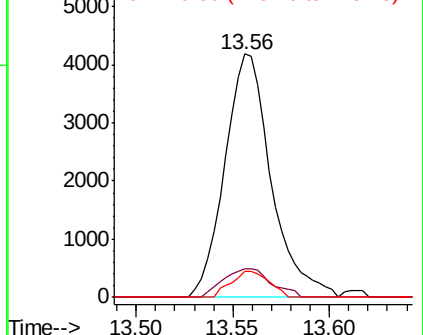
129 8.9 8.9 13.3



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: 1.965 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008405.D

Acq: 24 Oct 2018 20:34

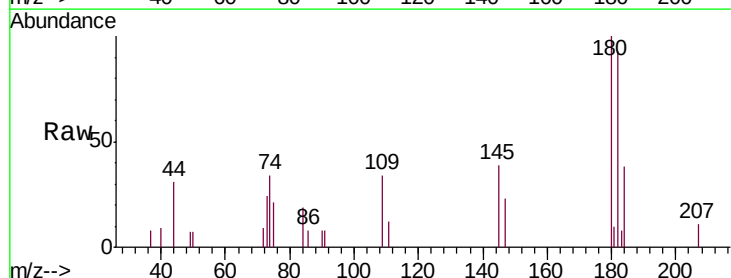
Tgt Ion:180 Resp: 2551

Ion Ratio Lower Upper

180 100

182 98.0 75.7 113.5

145 36.2 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

