

Data File : VV008404.D
Acq On : 24 Oct 2018 20:10
Operator : SY/MD
Sample : MDL06
Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Oct 25 09:22:06 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	196616	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178691	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75697	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43604	40.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.12%
7) Chloroethane-d5	1.56	69	34823	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.13	63	62620	31.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.70%
21) 2-Butanone-d5	3.93	46	112282	94.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	4.41	84	118205	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
26) 1,2-Dichloroethane-d4	5.09	65	81112	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
32) Benzene-d6	5.10	84	232270	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.22%
36) 1,2-Dichloropropane-d6	6.12	67	80724	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.36	98	208464	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%
43) trans-1,3-Dichloropropene-	7.67	79	37635	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.66%
47) 2-Hexanone-d5	8.14	63	86973	94.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.23%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	112875	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.68	152	72079	46.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3571	2.543 ug/L	97
3) Chloromethane	1.25	50	3879	2.579 ug/L	100
5) Vinyl chloride	1.33	62	3548	2.546 ug/L #	72
6) Bromomethane	1.51	94	1033	2.702 ug/L	79
8) Chloroethane	1.59	64	2365	3.230 ug/L	92
9) Trichlorofluoromethane	1.76	101	4502	2.510 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2981	3.182 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2666	3.022 ug/L #	1
13) Acetone	2.19	43	3675	4.002 ug/L	98
14) Carbon disulfide	2.32	76	10020	2.522 ug/L	99
15) Methyl Acetate	2.46	43	4793	2.618 ug/L	97
16) Methylene chloride	2.54	84	4099	2.683 ug/L	97
17) trans-1,2-Dichloroethene	2.80	96	3509	2.609 ug/L	91
18) Methyl tert-butyl Ether	2.81	73	12111	2.516 ug/L	98
19) 1,1-Dichloroethane	3.24	63	6908	2.491 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3903	2.548 ug/L	91
22) 2-Butanone	4.03	43	5343	4.028 ug/L	98

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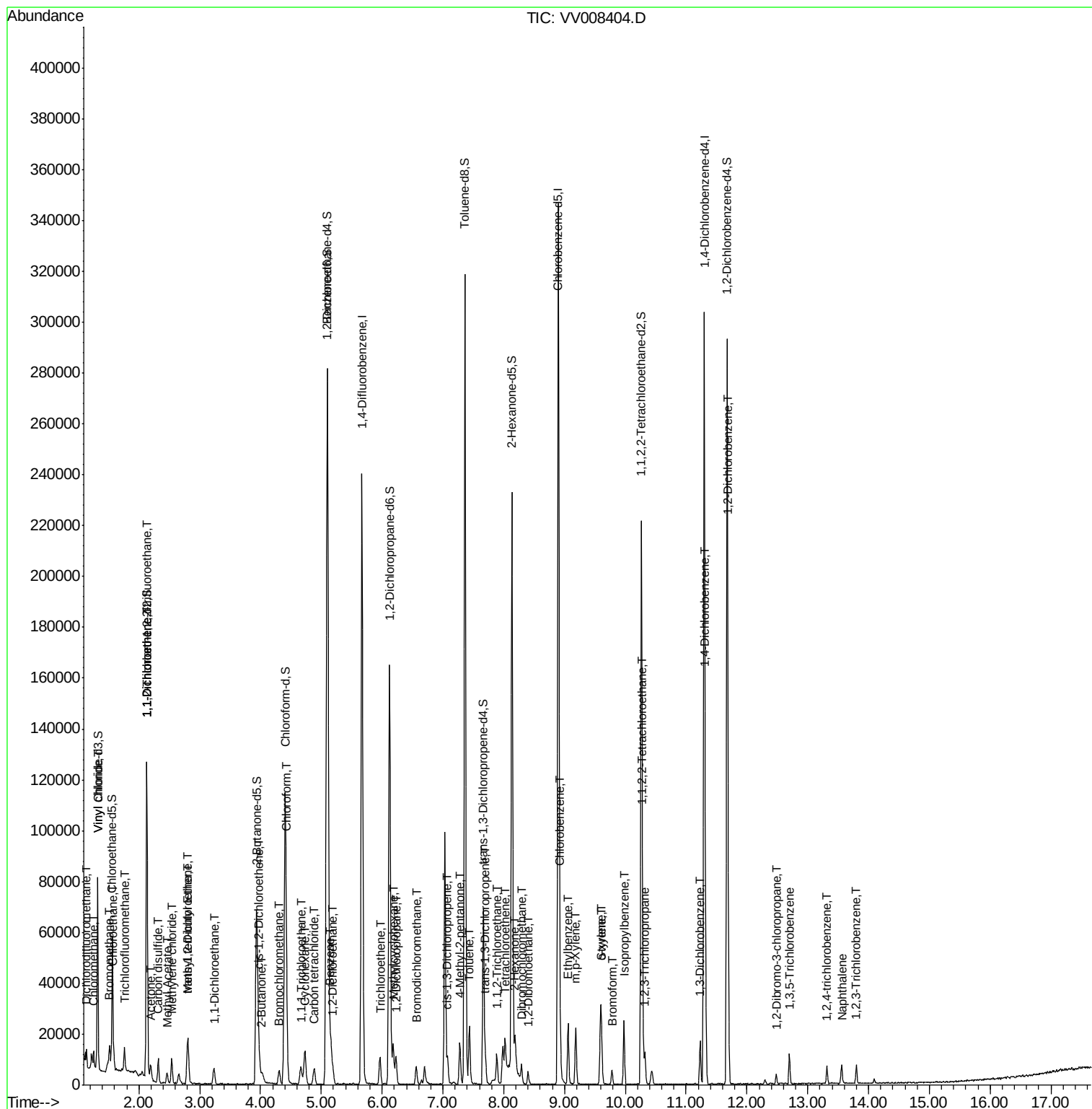
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1702	2.356	ug/L	97
25) Chloroform	4.43	83	7313	2.701	ug/L	90
27) 1,2-Dichloroethane	5.19	62	5795	2.563	ug/L	97
29) Cyclohexane	4.73	56	6768	2.601	ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	5862	2.530	ug/L	98
31) Carbon tetrachloride	4.89	117	4959	2.522	ug/L	97
33) Benzene	5.15	78	15109	2.587	ug/L	100
34) Trichloroethene	5.97	95	4032	2.696	ug/L	92
35) Methylcyclohexane	6.18	83	6339	2.493	ug/L	98
37) 1,2-Dichloropropane	6.23	63	4304	2.668	ug/L #	92
38) Bromodichloromethane	6.56	83	4918	2.392	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	5669	2.235	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	12042	5.041	ug/L	97
42) Toluene	7.43	91	15843	2.611	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	5844	2.463	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	3596	2.521	ug/L	97
46) Tetrachloroethene	8.02	164	2566	2.632	ug/L	97
48) 2-Hexanone	8.19	43	9114	4.944	ug/L	97
49) Dibromochloromethane	8.29	129	3486	2.274	ug/L	97
50) 1,2-Dibromoethane	8.40	107	3670	2.453	ug/L #	97
51) Chlorobenzene	8.93	112	9313	2.493	ug/L	97
52) Ethylbenzene	9.06	91	17206	2.532	ug/L	99
53) m,p-Xylene	9.19	106	5919	2.384	ug/L	98
54) o-xylene	9.59	106	6098	2.459	ug/L	97
55) Styrene	9.61	104	10310	2.468	ug/L	97
56) Isopropylbenzene	9.98	105	15878	2.448	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	6958	2.785	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	5329	2.636	ug/L	99
61) Bromoform	9.78	173	2412	2.525	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	6537	2.612	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6618	2.638	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	6745	2.643	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1304	2.485	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.70	180	3460	2.117	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2326	1.759	ug/L	96
69) Naphthalene	13.56	128	6213	1.453	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	2505	1.896	ug/L	92

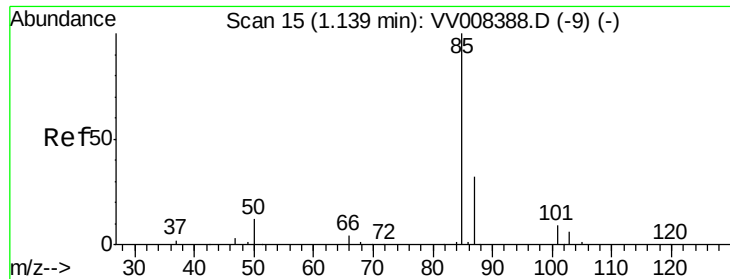
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.543 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

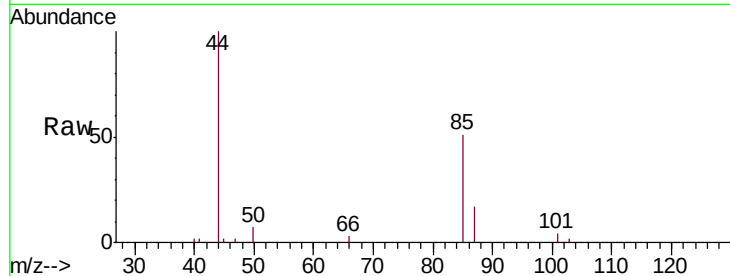
MDL06

Tgt Ion: 85 Resp: 3571

Ion Ratio Lower Upper

85 100

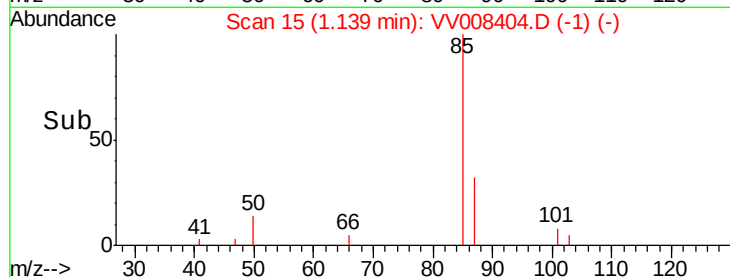
87 30.2 25.4 38.2



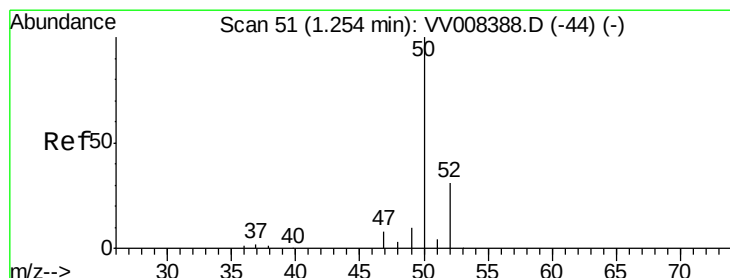
Abundance Ion 85.00 (84.70 to 85.70): VV008404.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008404.D (-1) (-)

Time-->



Time-->



#3

Chloromethane

Concen: 2.579 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008404.D

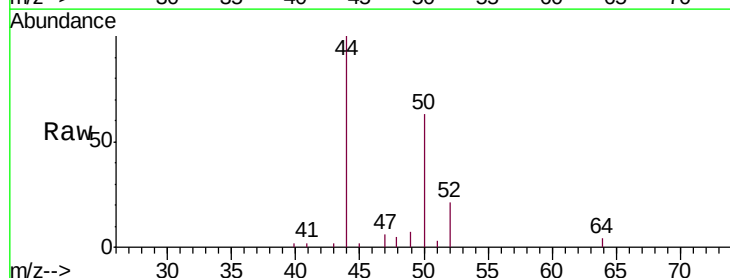
Acq: 24 Oct 2018 20:10

Tgt Ion: 50 Resp: 3879

Ion Ratio Lower Upper

50 100

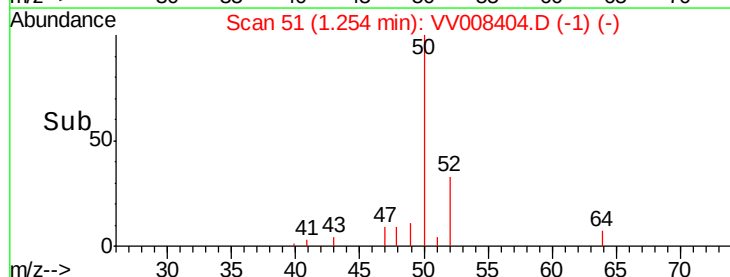
52 33.0 23.1 42.9



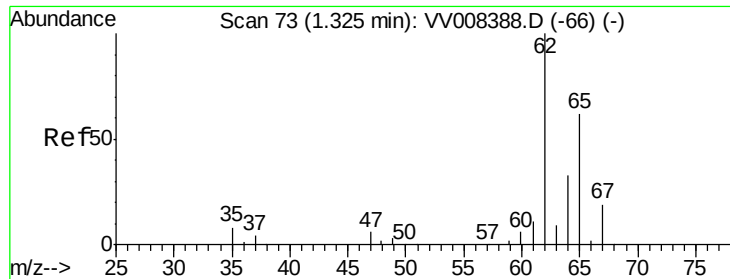
Abundance Ion 50.00 (49.70 to 50.70): VV008404.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008404.D (-1) (-)

Time-->



Time-->



#5

Vinyl chloride

Concen: 2.546 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

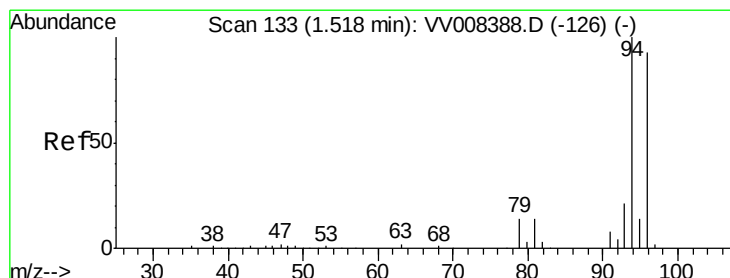
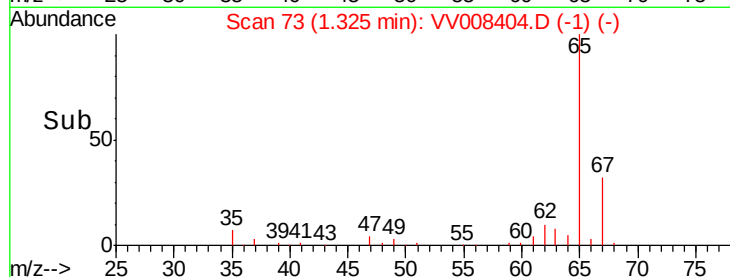
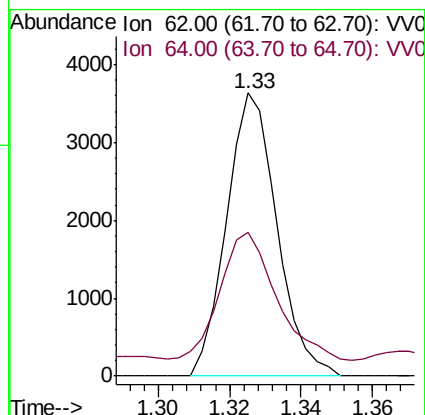
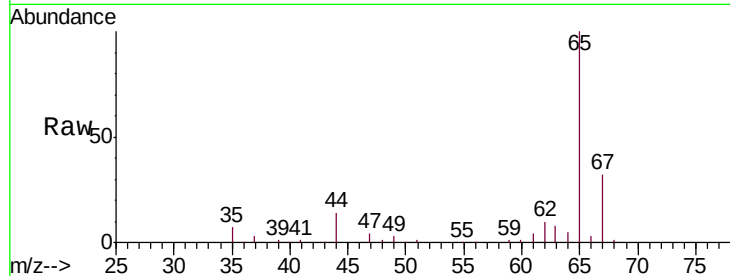
MDL06

Tgt Ion: 62 Resp: 3548

Ion Ratio Lower Upper

62 100

64 51.0 24.4 45.4#



#6

Bromomethane

Concen: 2.702 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV008404.D

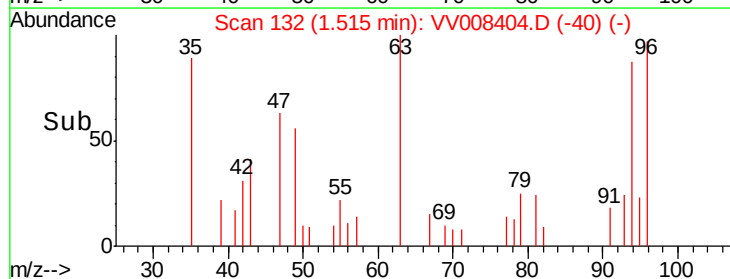
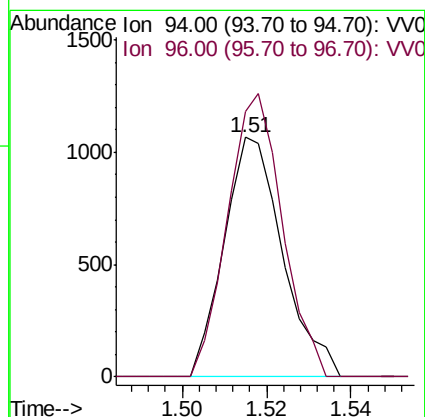
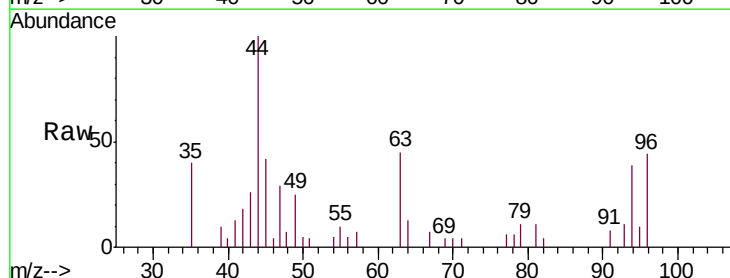
Acq: 24 Oct 2018 20:10

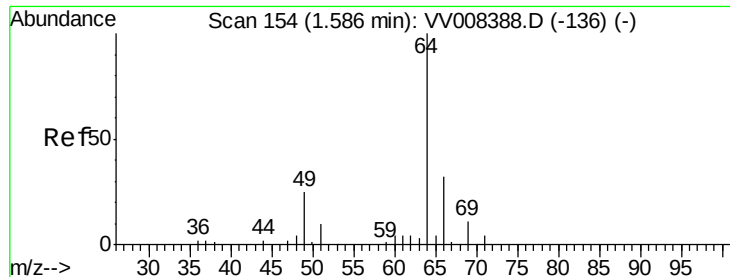
Tgt Ion: 94 Resp: 1033

Ion Ratio Lower Upper

94 100

96 111.1 63.8 118.6

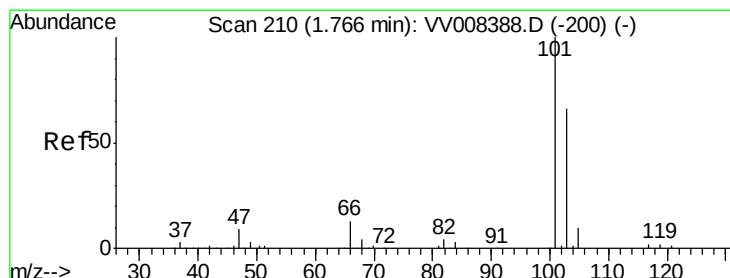
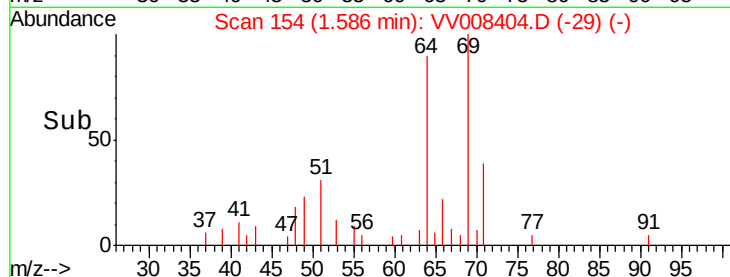
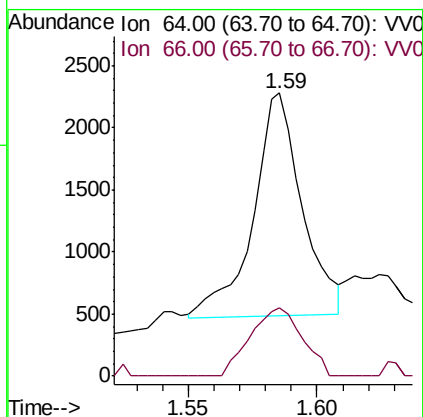
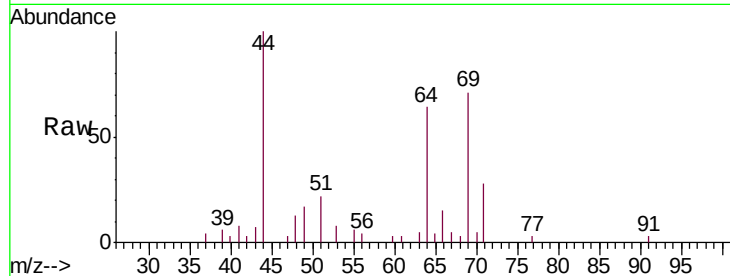




#8
Chloroethane
Concen: 3.230 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

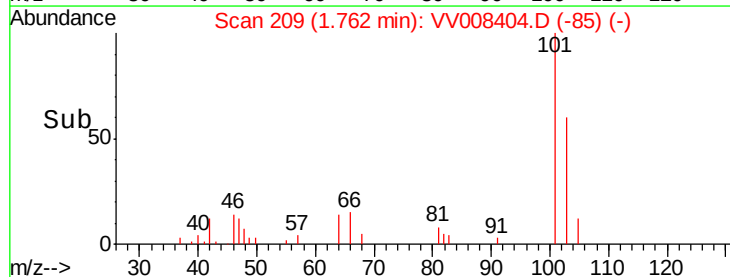
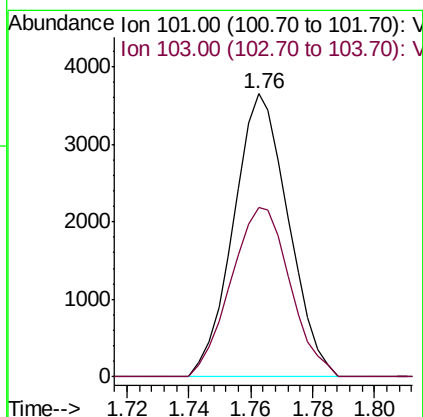
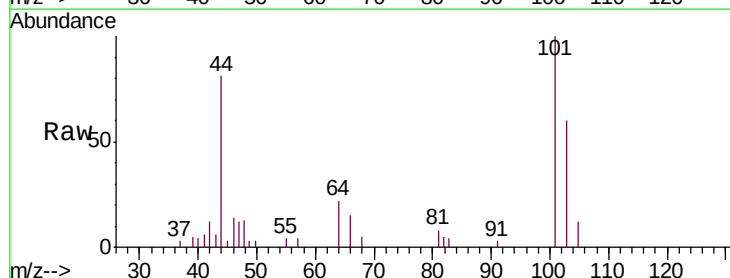
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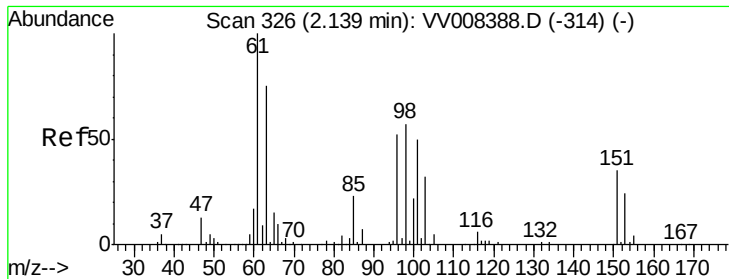
Tgt Ion: 64 Resp: 2365
Ion Ratio Lower Upper
64 100
66 24.0 19.9 36.9



#9
Trichlorofluoromethane
Concen: 2.510 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Tgt Ion: 101 Resp: 4502
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6





#10

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

Concen: 3.182 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

MDL06

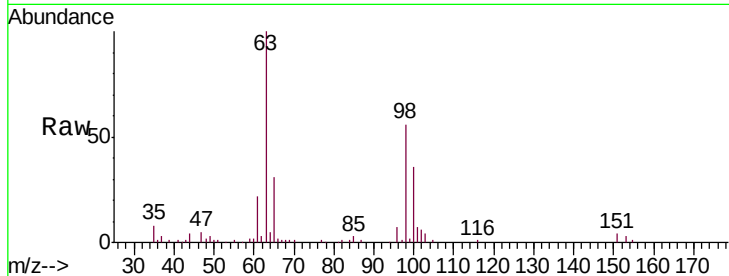
Tgt Ion:101 Resp: 2981

Ion Ratio Lower Upper

101 100

85 39.5 35.6 53.4

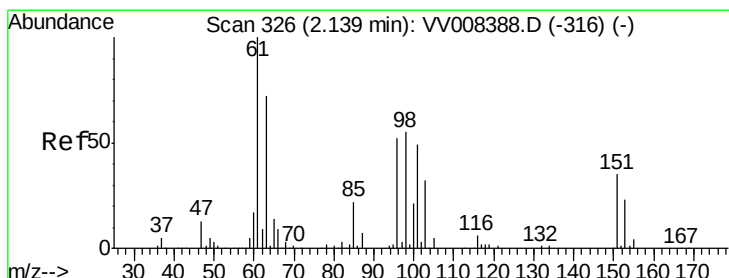
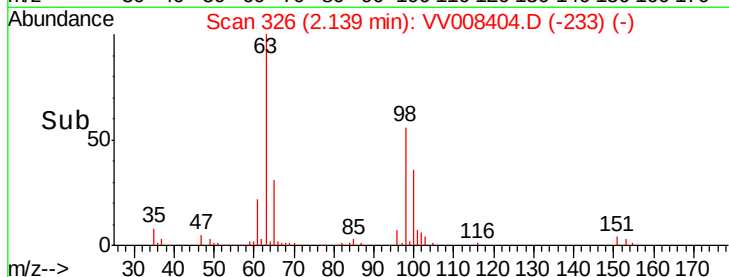
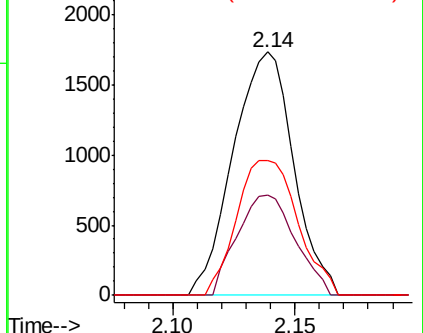
151 55.9 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): VV008388.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008388.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008388.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 3.022 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

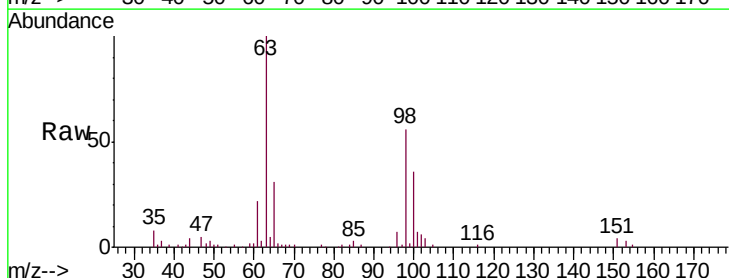
Tgt Ion: 96 Resp: 2666

Ion Ratio Lower Upper

96 100

61 334.9 130.3 242.1#

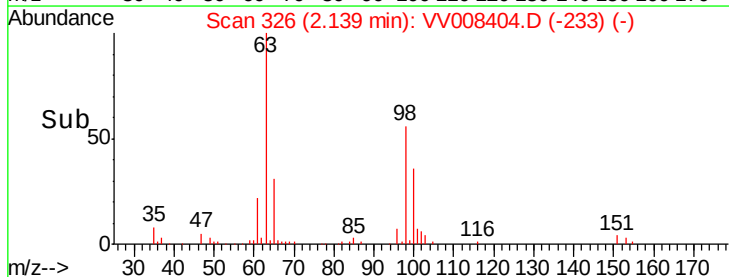
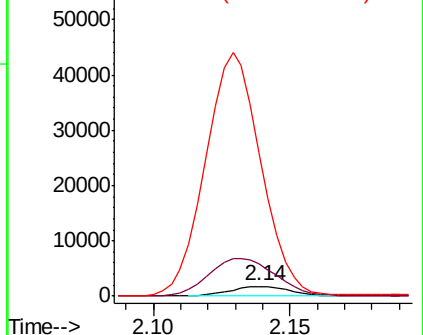
63 1491.7 84.4 156.8#

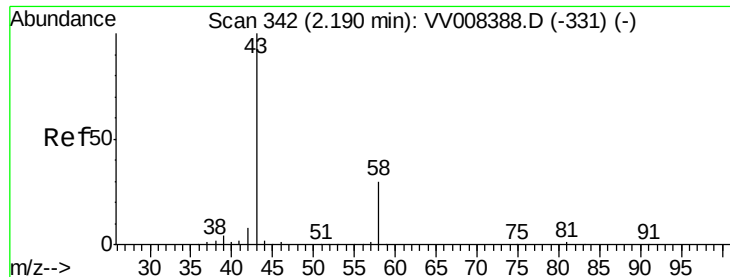


Abundance Ion 96.00 (95.70 to 96.70): VV008388.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV008388.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008388.D (-316) (-)





#13

Acetone

Concen: 4.002 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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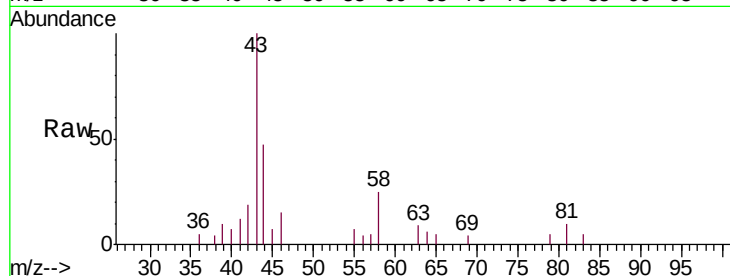
MDL06

Tgt Ion: 43 Resp: 3675

Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.4



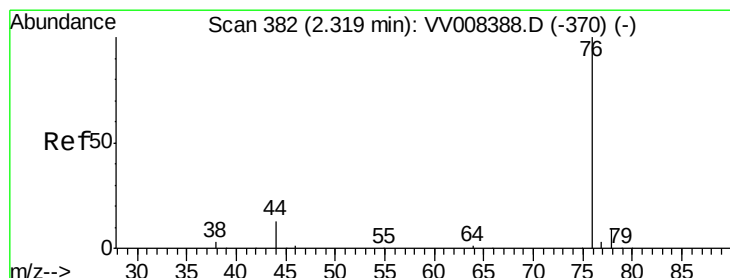
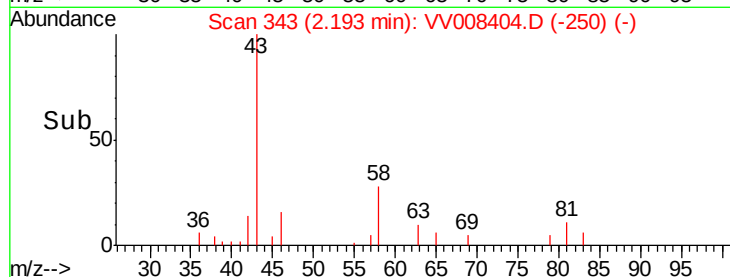
Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

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

2.19

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.522 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008404.D

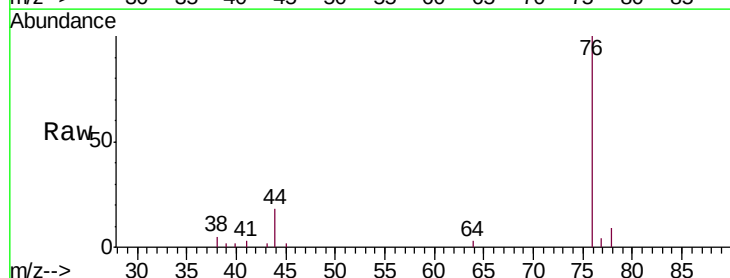
Acq: 24 Oct 2018 20:10

Tgt Ion: 76 Resp: 10020

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



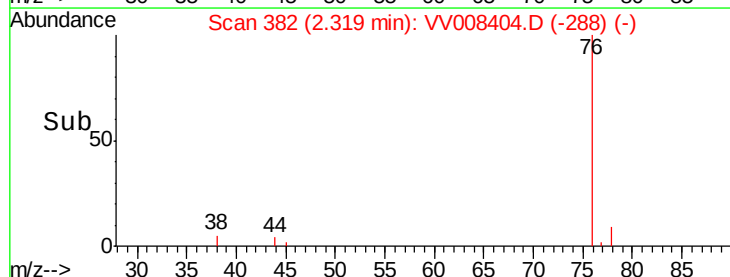
Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

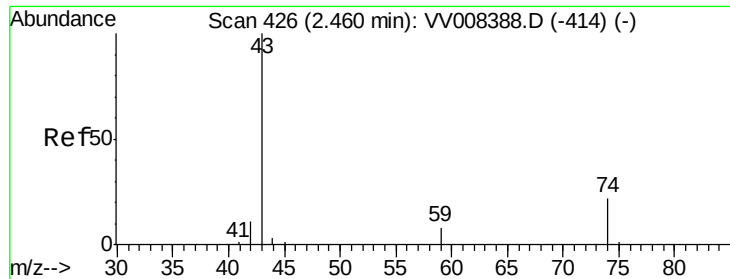
Ion 78.00 (77.70 to 78.70): VV008388.D (-370) (-)

2.32

2.30 2.35

Time-->

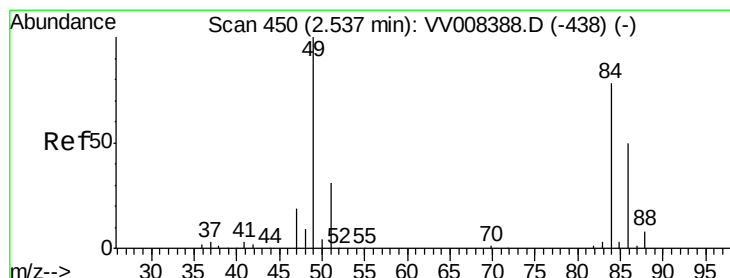
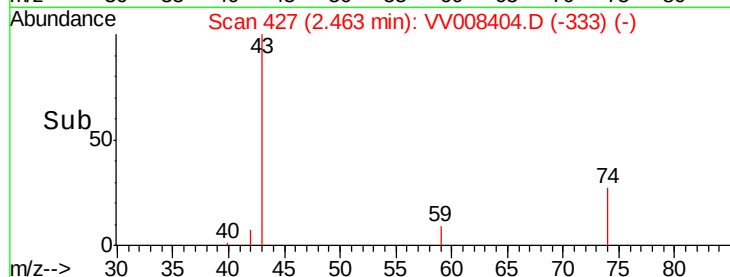
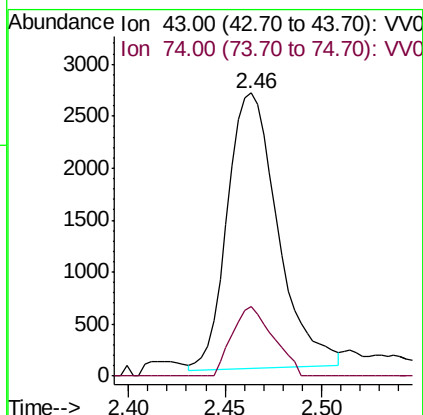
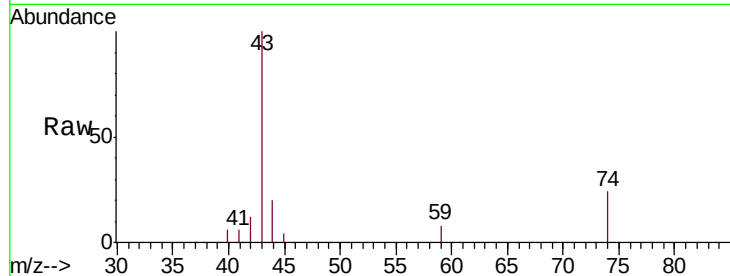




#15
Methyl Acetate
Concen: 2.618 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

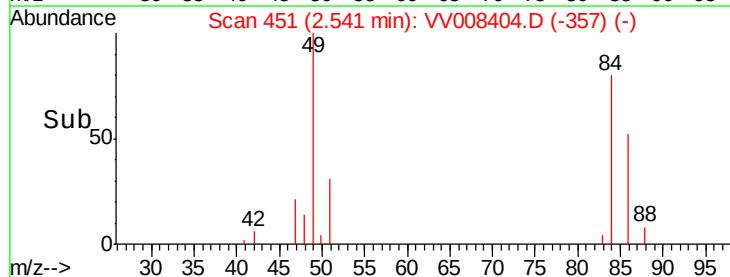
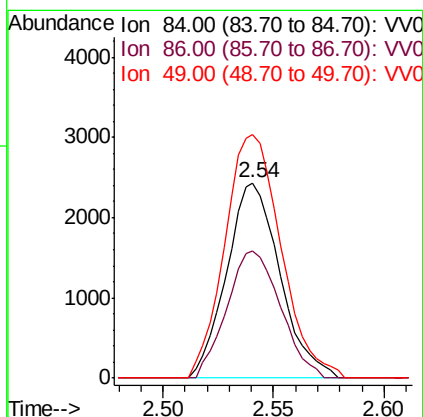
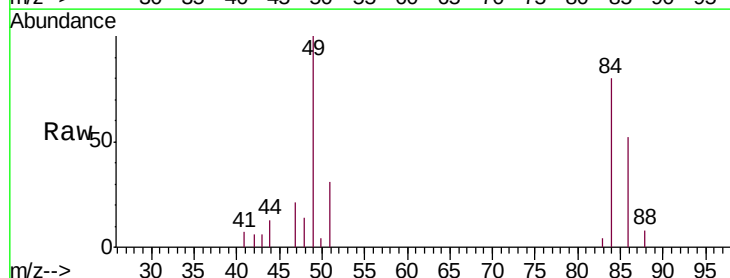
Instrument :
MSVOA_V
ClientSampled :
MDL06

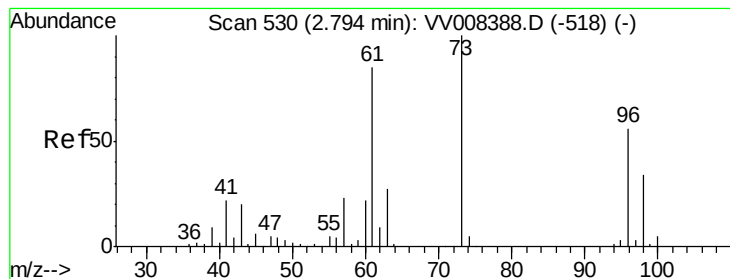
Tgt Ion: 43 Resp: 4793
Ion Ratio Lower Upper
43 100
74 20.6 17.8 26.6



#16
Methylene chloride
Concen: 2.683 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Tgt Ion: 84 Resp: 4099
Ion Ratio Lower Upper
84 100
86 65.4 45.6 84.6
49 124.8 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 2.609 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

MDL06

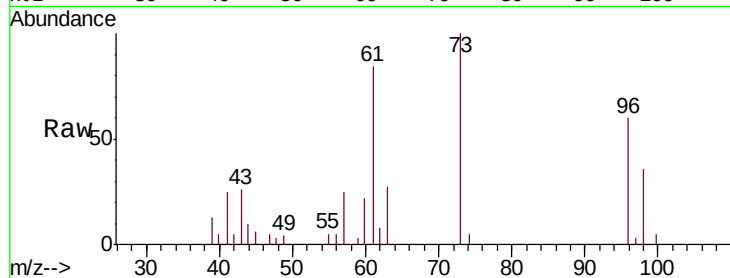
Tgt Ion: 96 Resp: 3509

Ion Ratio Lower Upper

96 100

61 141.0 108.6 201.6

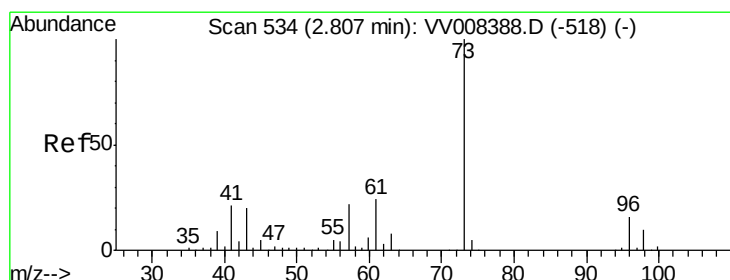
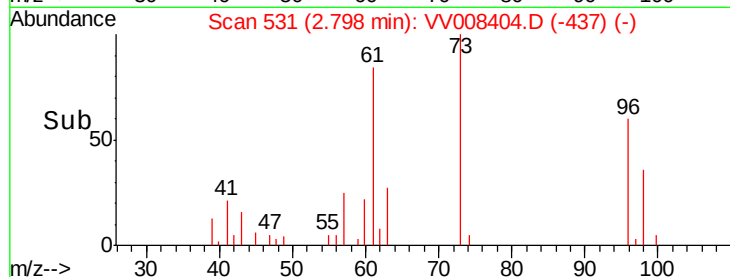
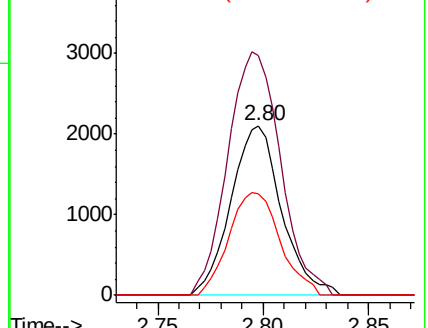
98 60.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008388.D (-518) (-)

Ion 61.00 (60.70 to 61.70): VV008388.D (-518) (-)

Ion 98.00 (97.70 to 98.70): VV008388.D (-518) (-)



#18

Methyl tert-butyl Ether

Concen: 2.516 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

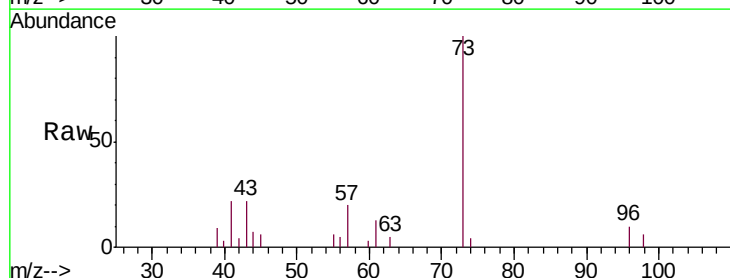
Tgt Ion: 73 Resp: 12111

Ion Ratio Lower Upper

73 100

43 21.8 16.2 24.4

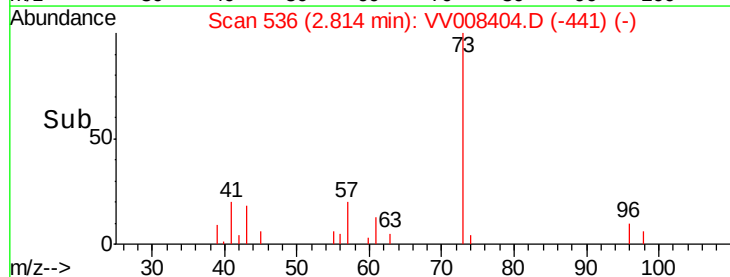
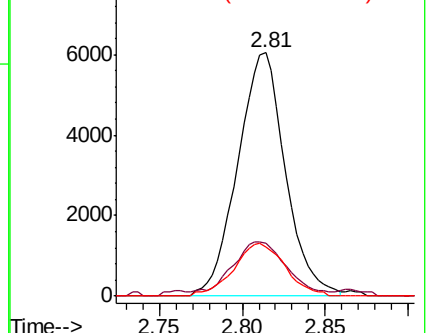
57 23.2 18.2 27.2

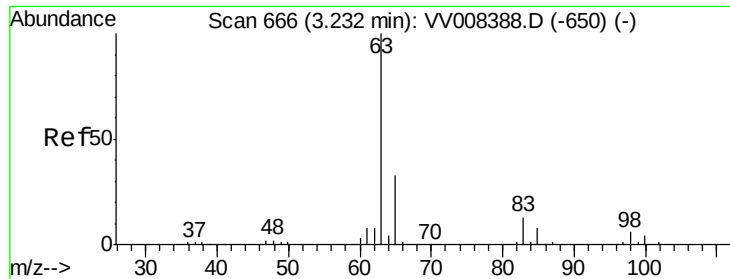


Abundance Ion 73.00 (72.70 to 73.70): VV008388.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008388.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008388.D (-518) (-)

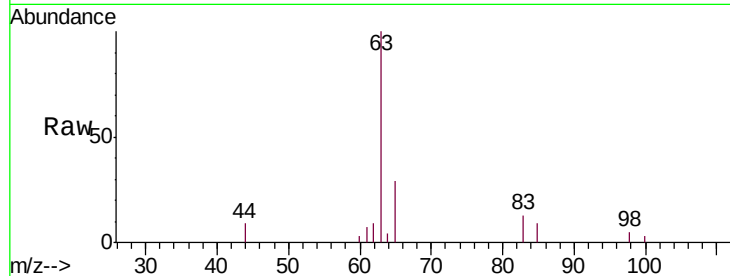




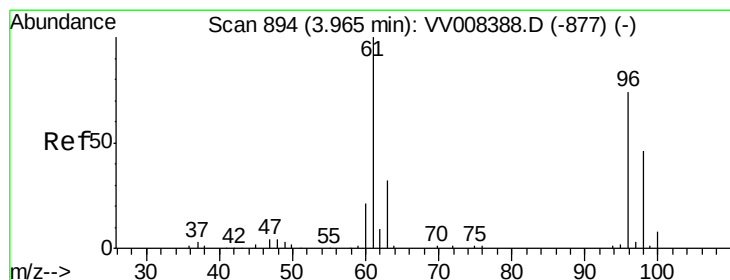
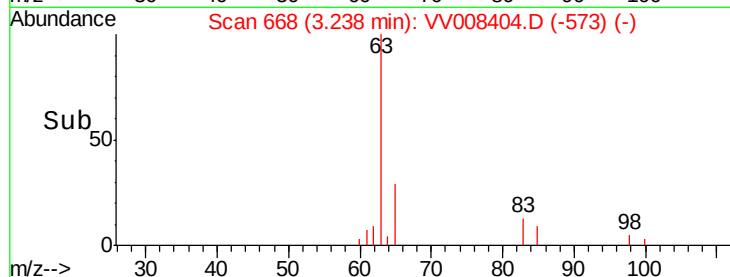
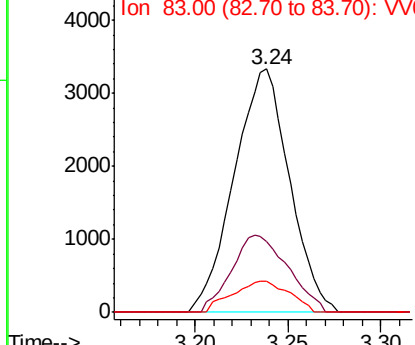
#19
 1,1-Dichloroethane
 Concen: 2.491 ug/L
 RT: 3.24 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion: 63 Resp: 6908
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.0 40.8
 83 12.5 9.3 17.3

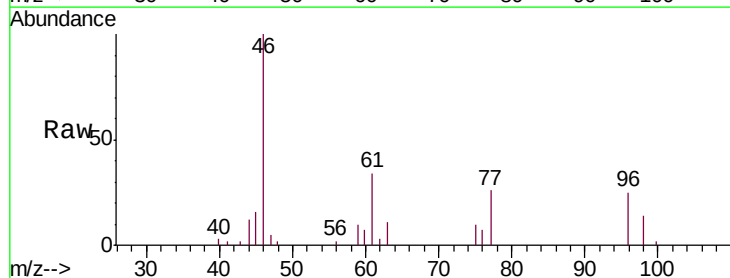


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

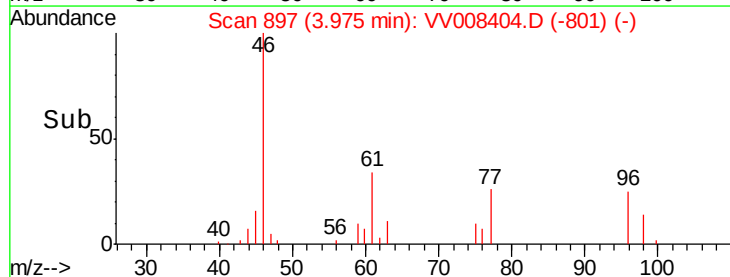
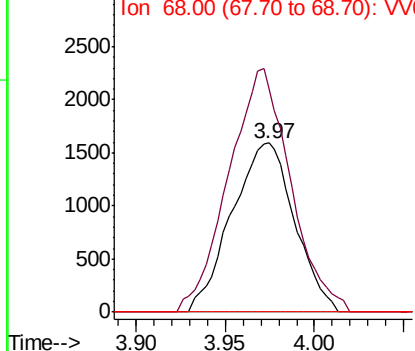


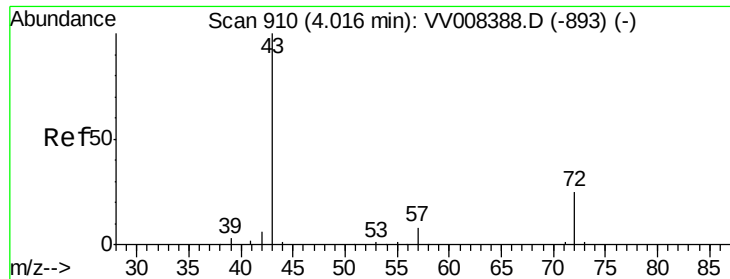
#20
 cis-1,2-Dichloroethene
 Concen: 2.548 ug/L
 RT: 3.97 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 96 Resp: 3903
 Ion Ratio Lower Upper
 96 100
 61 132.6 100.9 187.5
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 4.028 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

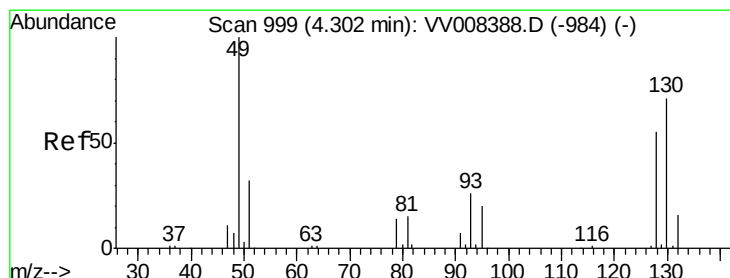
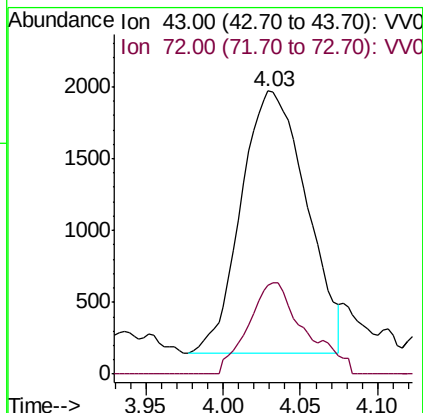
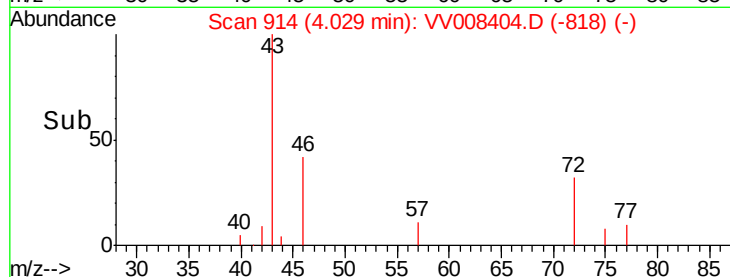
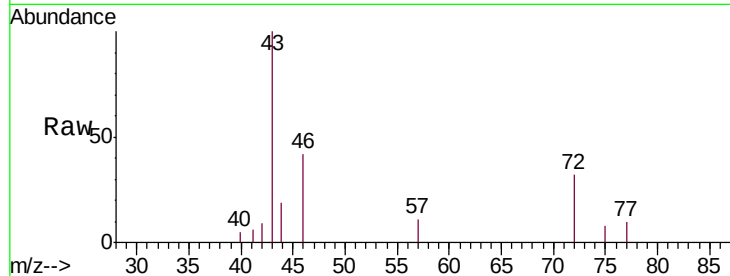
MDL06

Tgt Ion: 43 Resp: 5343

Ion Ratio Lower Upper

43 100

72 26.9 13.0 38.9



#23

Bromochloromethane

Concen: 2.356 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Tgt Ion: 128 Resp: 1702

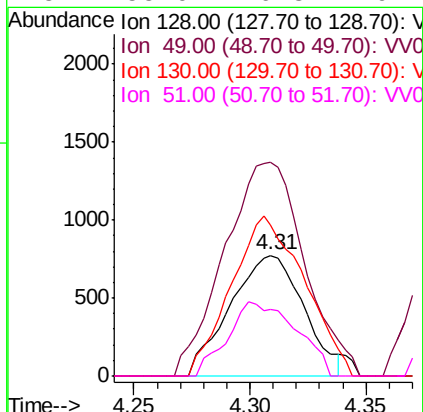
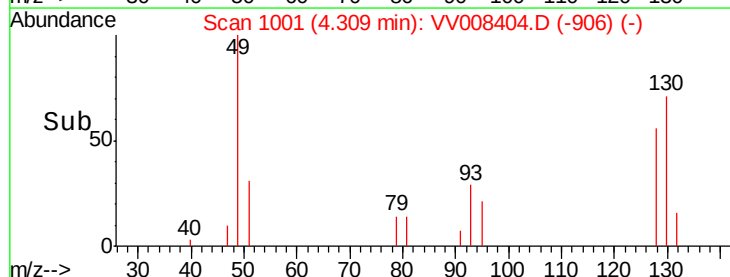
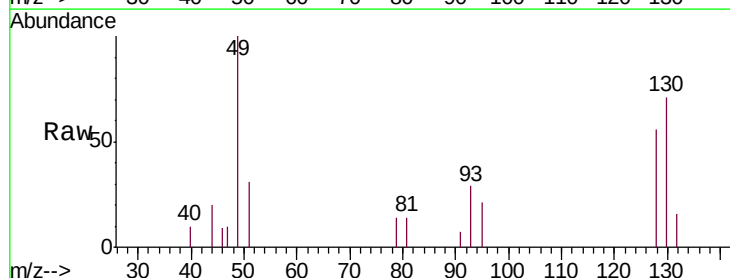
Ion Ratio Lower Upper

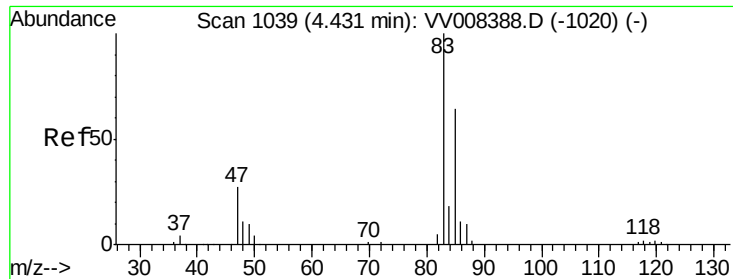
128 100

49 177.2 128.0 237.8

130 125.6 89.2 165.8

51 55.0 46.8 70.2

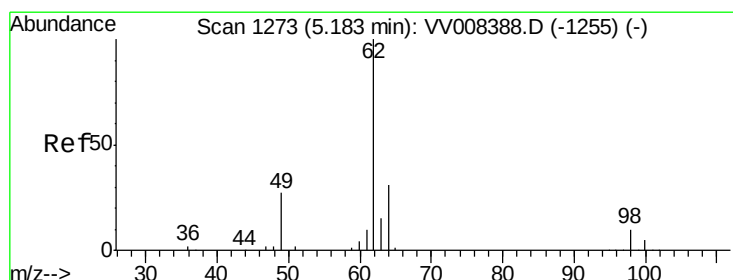
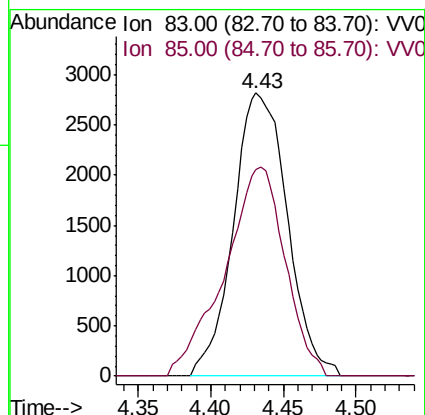
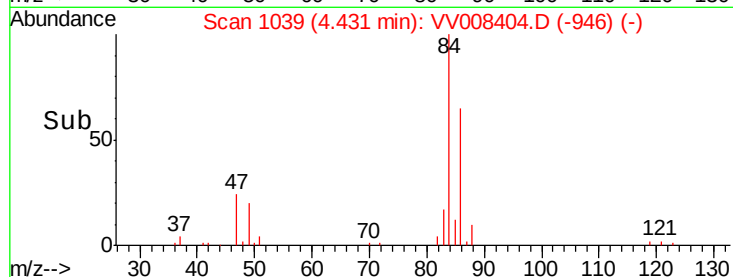
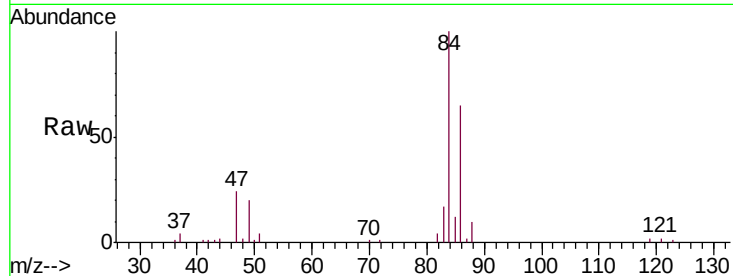




#25
Chloroform
Concen: 2.701 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

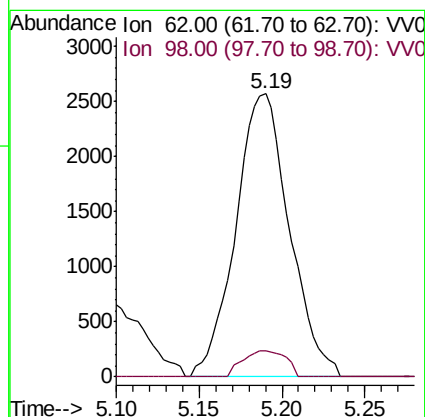
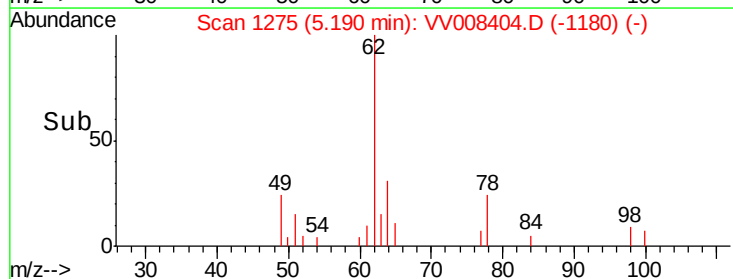
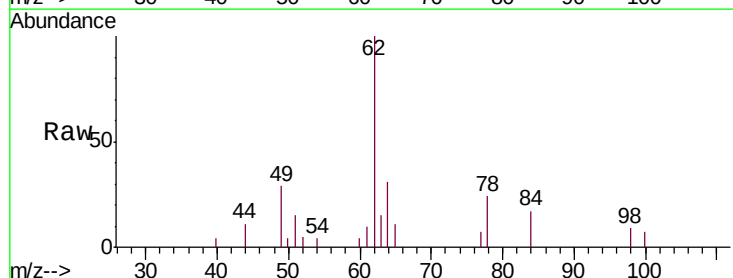
Instrument :
MSVOA_V
ClientSampleId :
MDL06

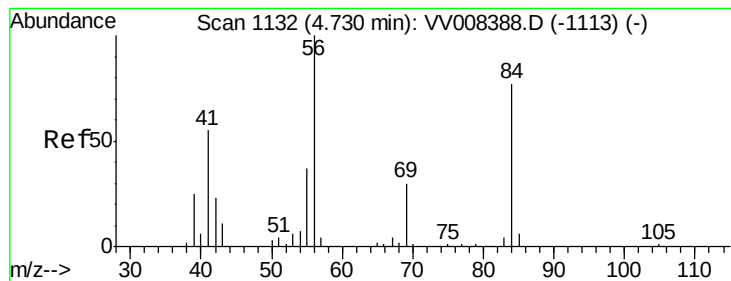
Tgt Ion: 83 Resp: 7313
Ion Ratio Lower Upper
83 100
85 73.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.563 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Tgt Ion: 62 Resp: 5795
Ion Ratio Lower Upper
62 100
98 9.2 6.6 9.8





#29

Cyclohexane

Concen: 2.601 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

MDL06

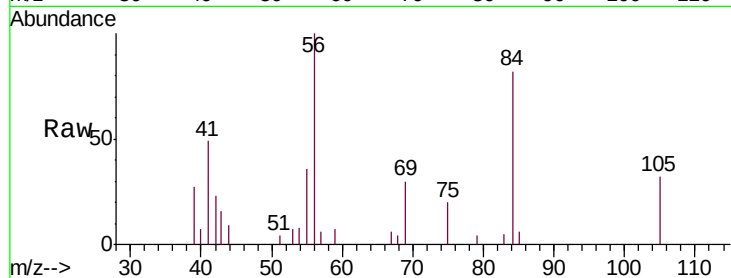
Tgt Ion: 56 Resp: 6768

Ion Ratio Lower Upper

56 100

69 30.6 24.6 37.0

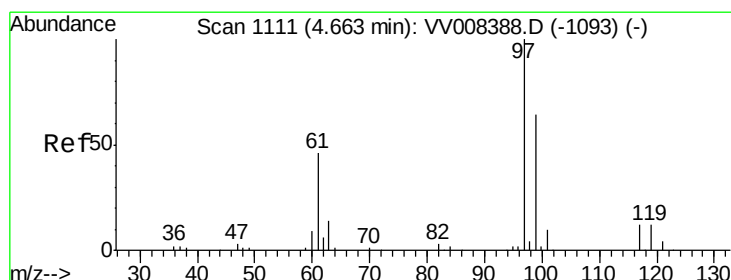
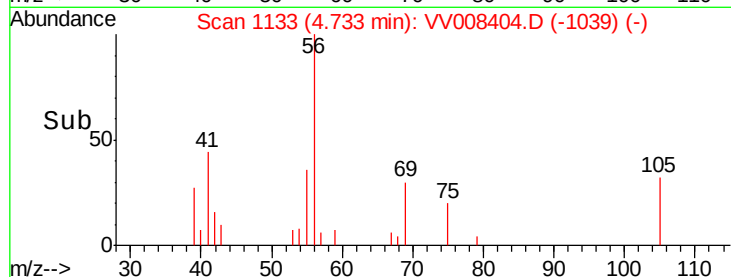
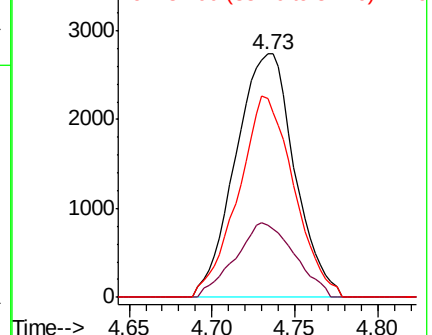
84 77.8 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VV008388.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV008388.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV008388.D (-1113) (-)



#30

1,1,1-Trichloroethane

Concen: 2.530 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

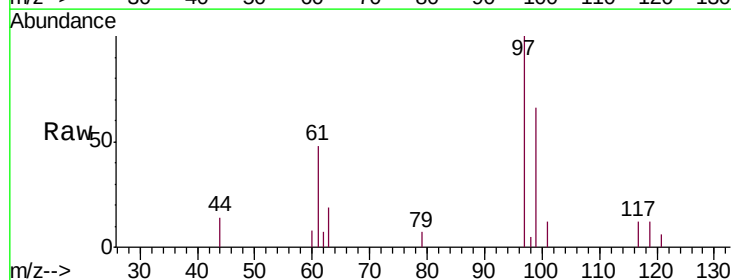
Tgt Ion: 97 Resp: 5862

Ion Ratio Lower Upper

97 100

99 61.6 51.6 77.4

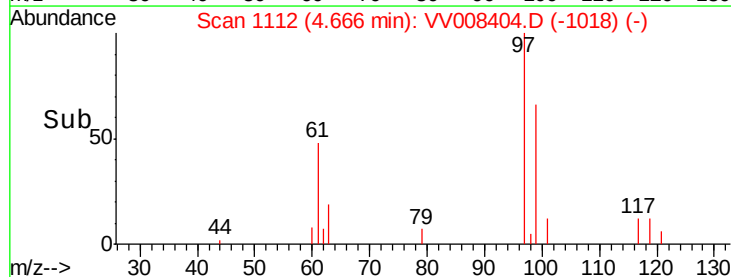
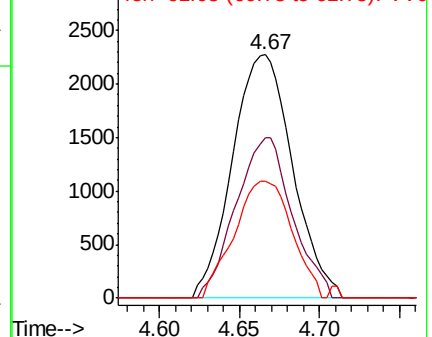
61 46.0 36.5 54.7

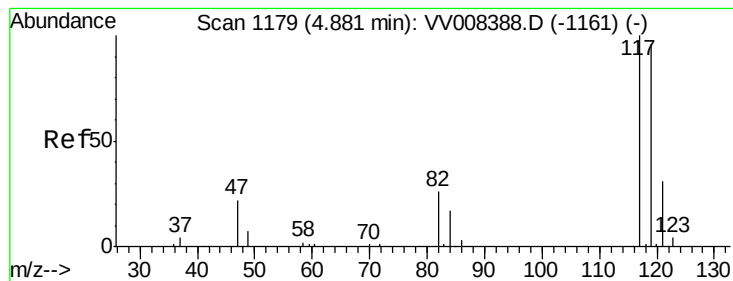


Abundance Ion 97.00 (96.70 to 97.70): VV008388.D (-1093) (-)

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: 2.522 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

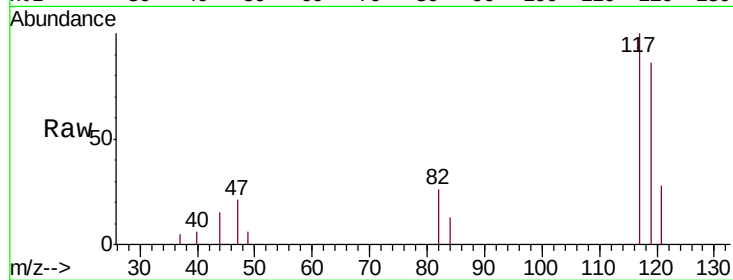
MDL06

Tgt Ion:117 Resp: 4959

Ion Ratio Lower Upper

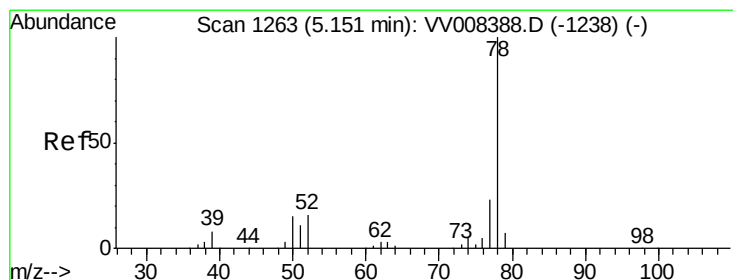
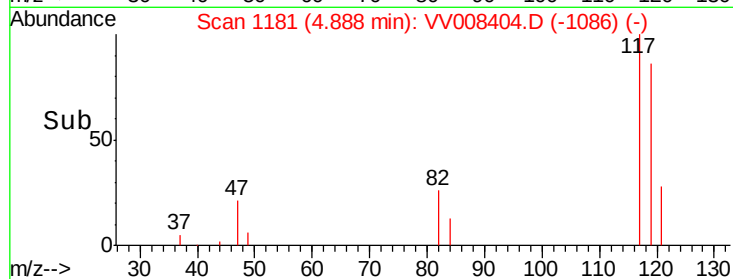
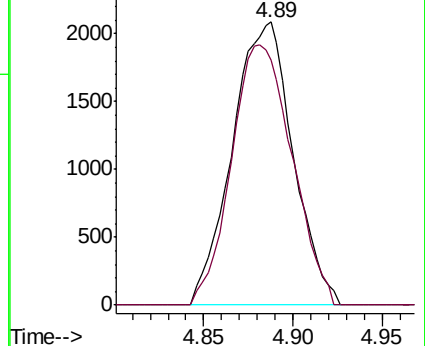
117 100

119 91.7 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: 2.587 ug/L

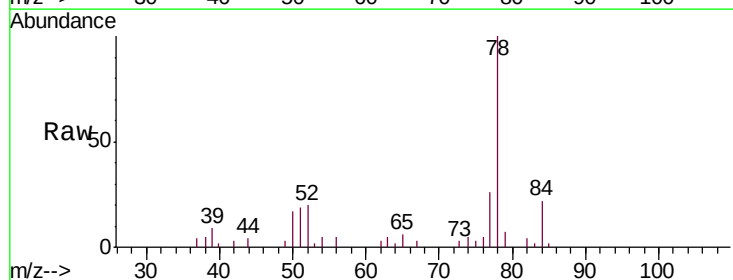
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

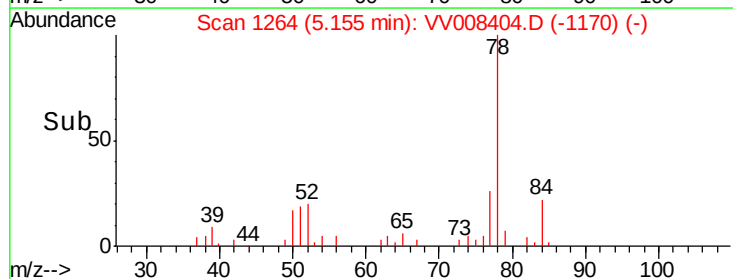
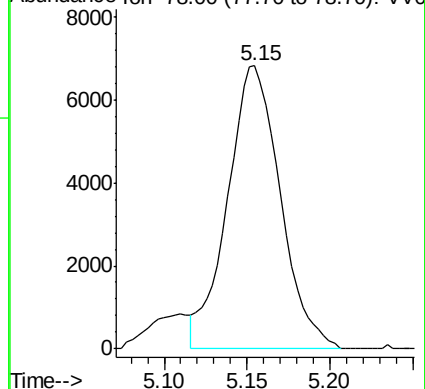
Lab File: VV008404.D

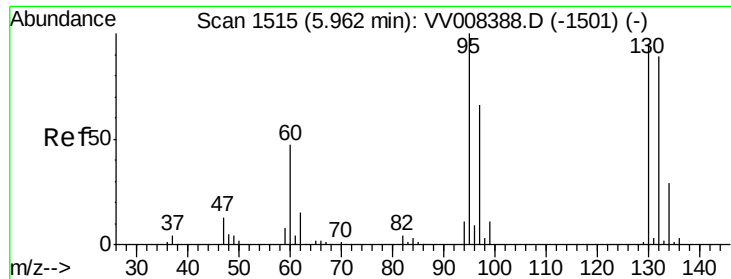
Acq: 24 Oct 2018 20:10

Tgt Ion: 78 Resp: 15109



Abundance Ion 78.00 (77.70 to 78.70): VV0

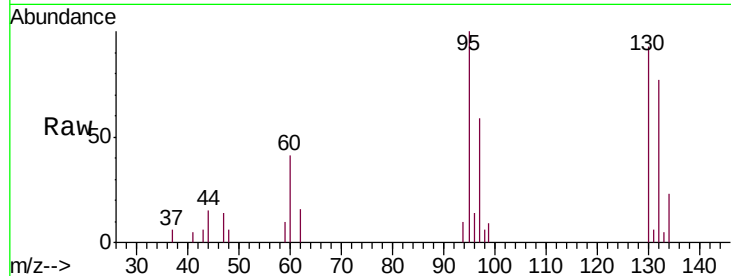




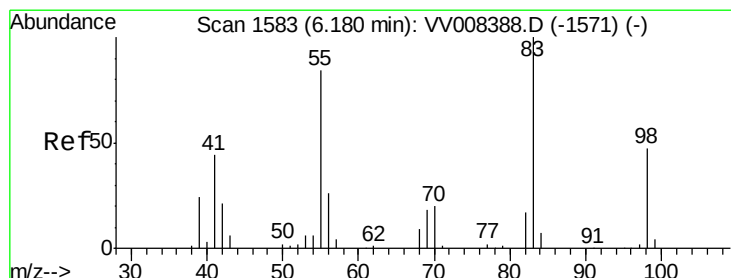
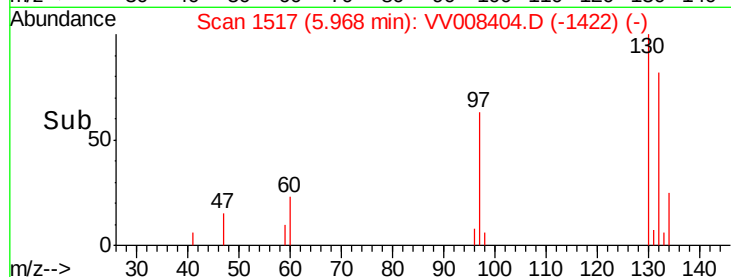
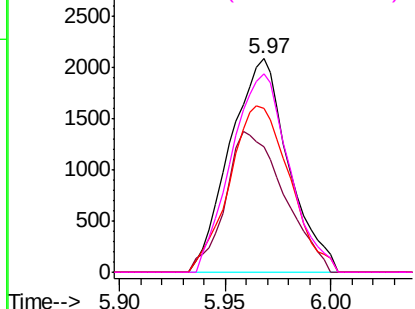
#34
 Trichloroethene
 Concen: 2.696 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion: 95 Resp: 4032
 Ion Ratio Lower Upper
 95 100
 97 58.8 45.2 84.0
 132 76.7 63.8 118.6
 130 93.2 64.7 120.1

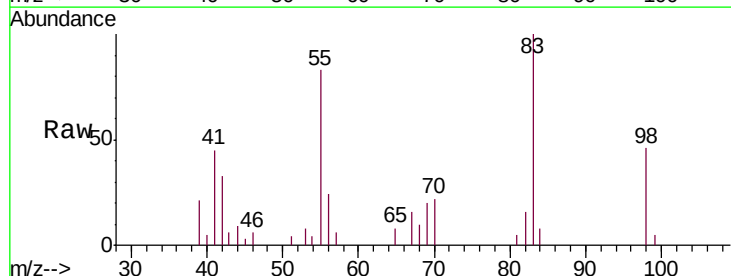


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

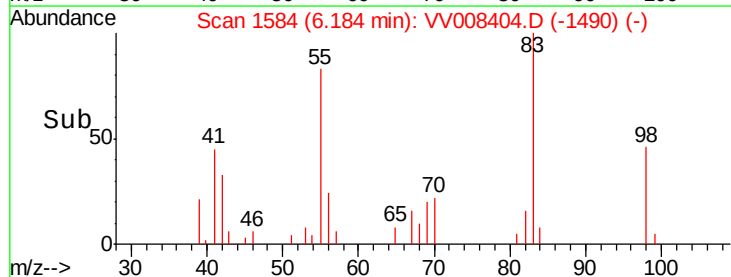
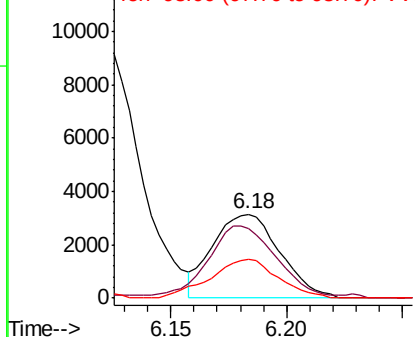


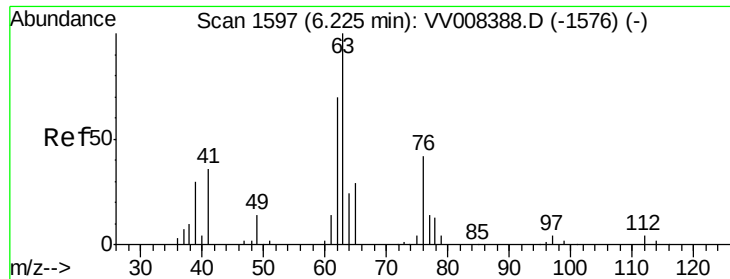
#35
 Methylcyclohexane
 Concen: 2.493 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 83 Resp: 6339
 Ion Ratio Lower Upper
 83 100
 55 83.2 65.0 97.4
 98 46.4 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

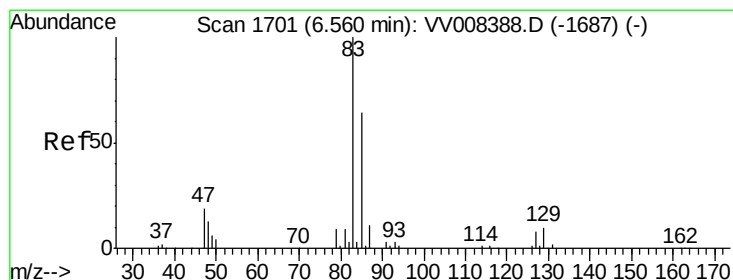
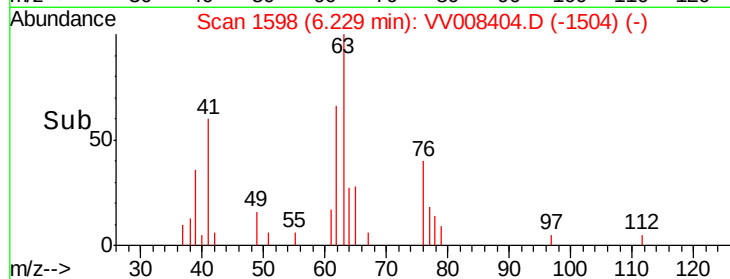
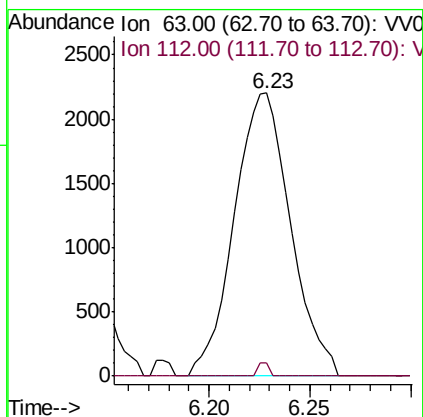
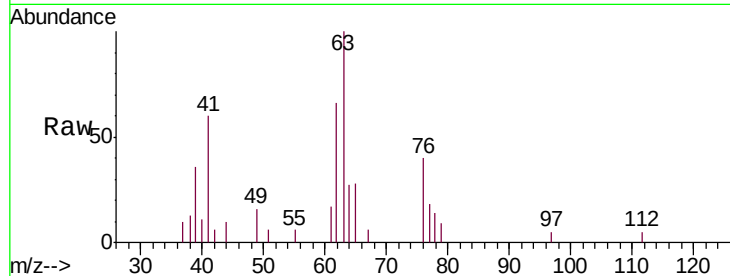




#37
 1,2-Dichloropropane
 Concen: 2.668 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

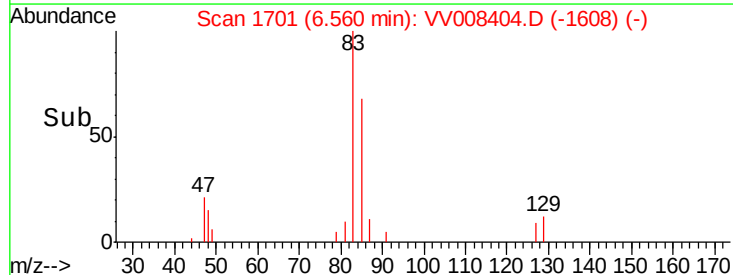
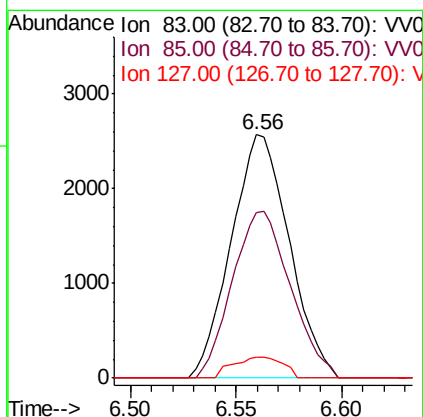
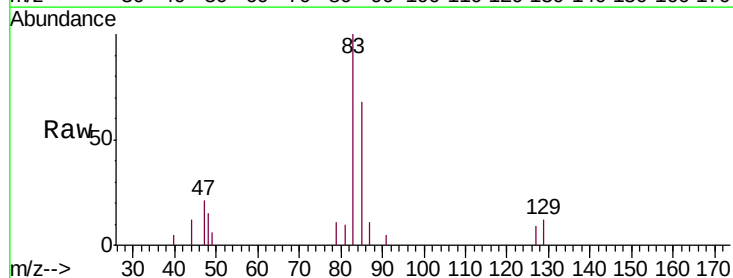
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

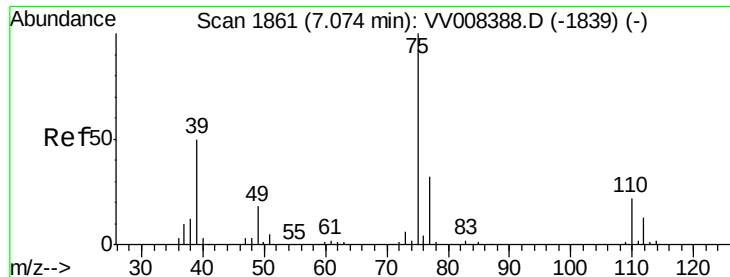
Tgt Ion: 63 Resp: 4304
 Ion Ratio Lower Upper
 63 100
 112 0.9 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.392 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 83 Resp: 4918
 Ion Ratio Lower Upper
 83 100
 85 68.2 44.3 82.3
 127 8.7 6.3 9.5

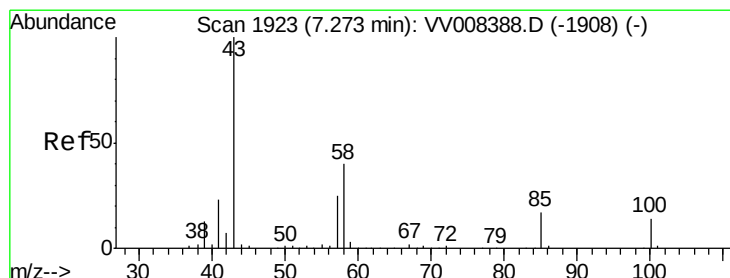
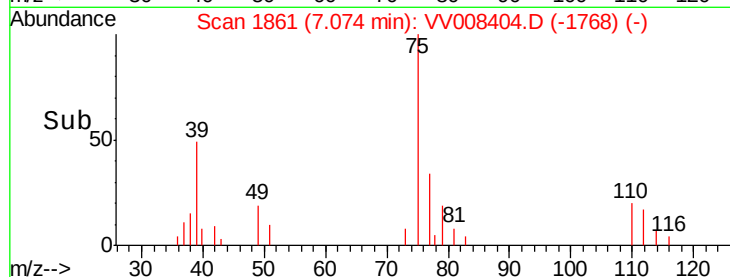
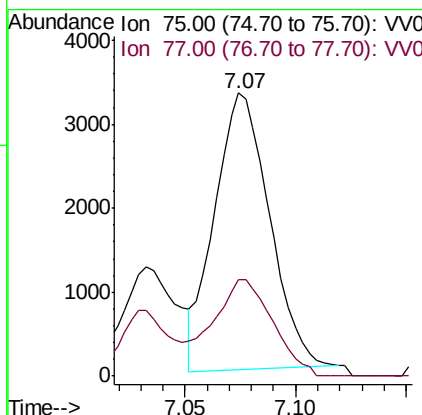
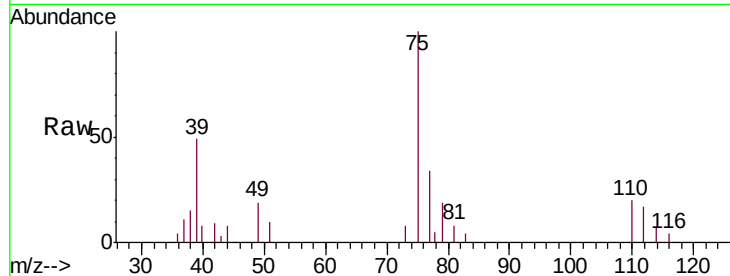




#39
 cis-1,3-Dichloropropene
 Concen: 2.235 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

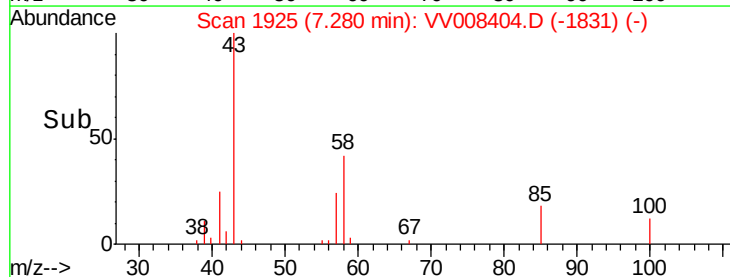
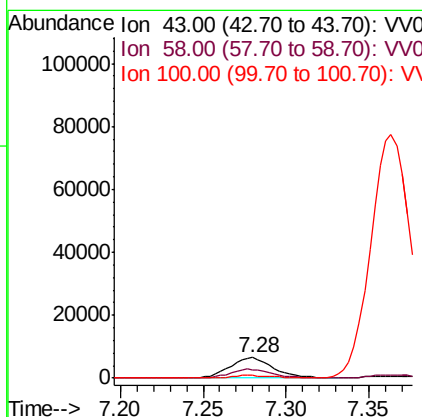
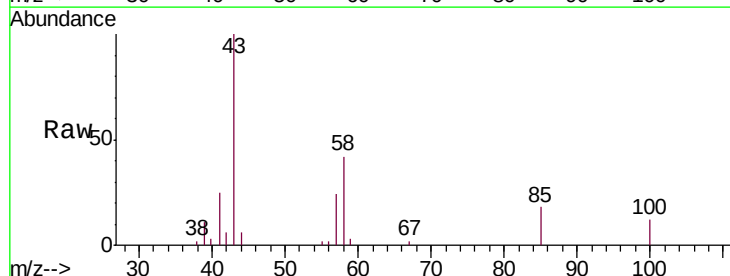
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

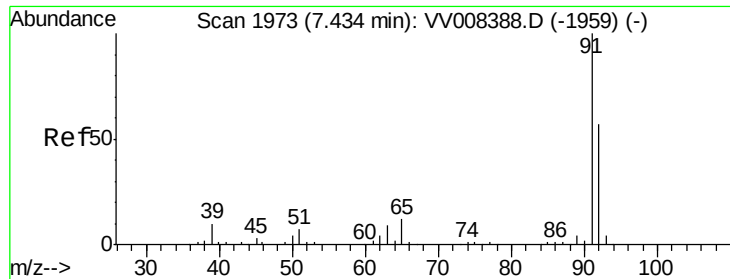
Tgt Ion: 75 Resp: 5669
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 5.041 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 43 Resp: 12042
 Ion Ratio Lower Upper
 43 100
 58 39.8 30.9 46.3
 100 11.8 10.9 16.3





#42

Toluene

Concen: 2.611 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

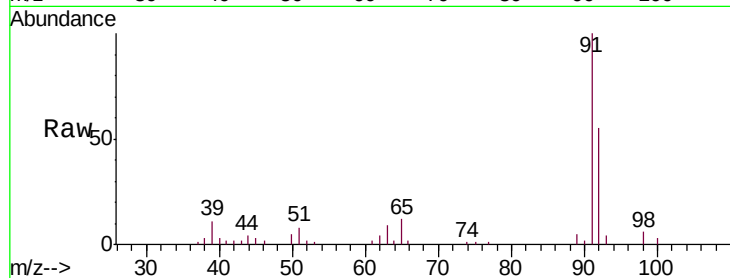
MDL06

Tgt Ion: 91 Resp: 15843

Ion Ratio Lower Upper

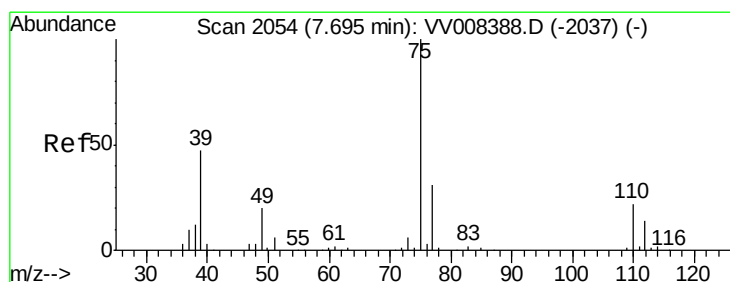
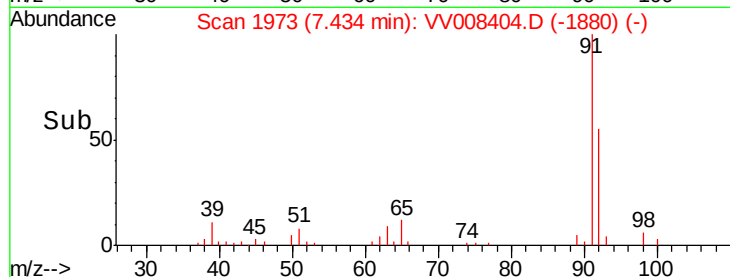
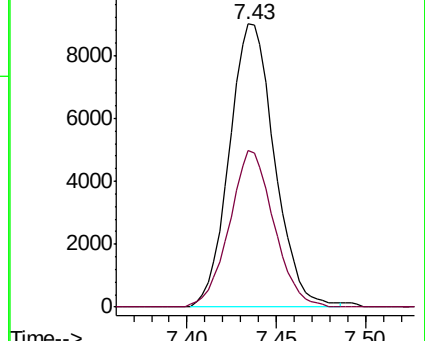
91 100

92 55.3 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008404.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VV008404.D (-1880) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.463 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008404.D

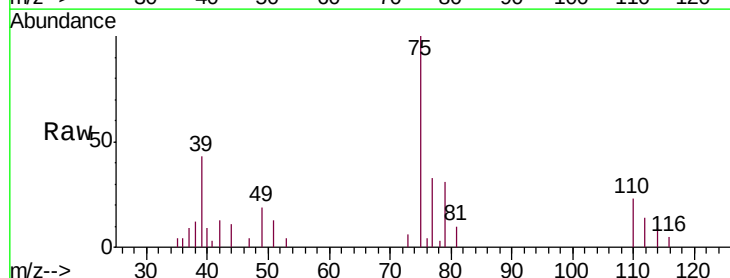
Acq: 24 Oct 2018 20:10

Tgt Ion: 75 Resp: 5844

Ion Ratio Lower Upper

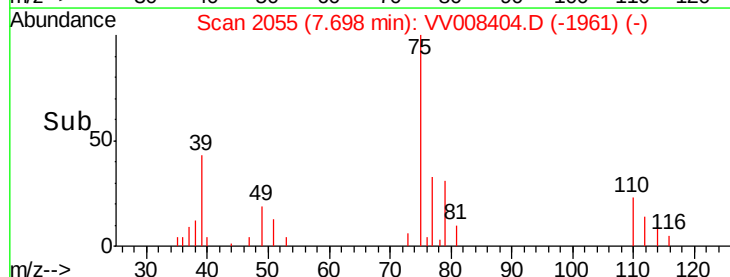
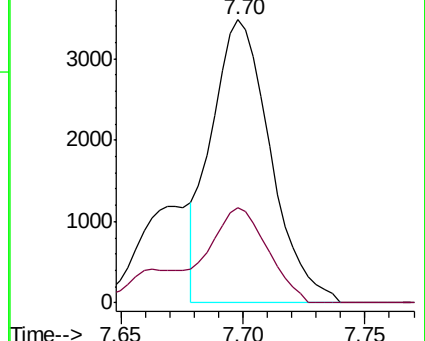
75 100

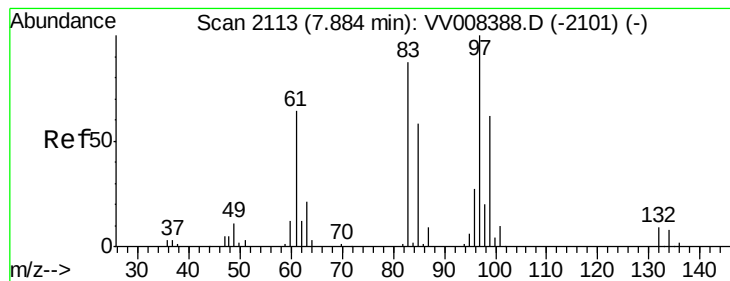
77 33.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008404.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV008404.D (-1961) (-)





#45

1,1,2-Trichloroethane

Concen: 2.521 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 97 Resp: 3596

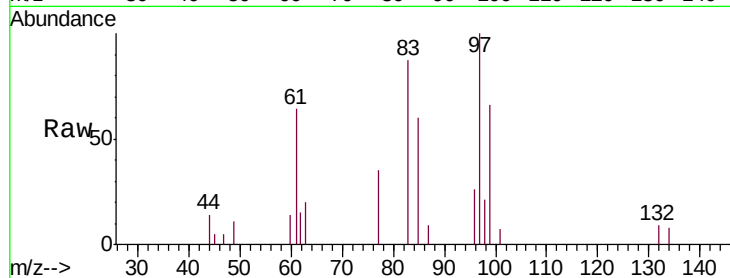
Ion Ratio Lower Upper

97 100

99 65.8 43.3 80.3

83 86.9 61.9 114.9

85 59.8 40.9 75.9

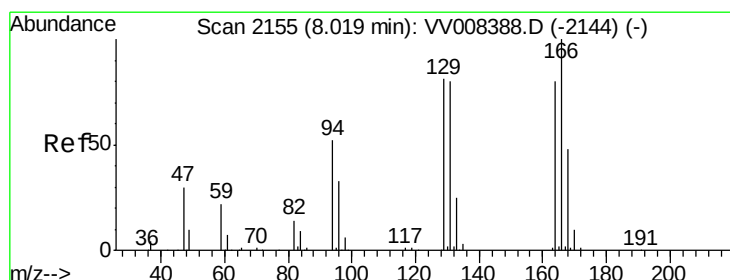
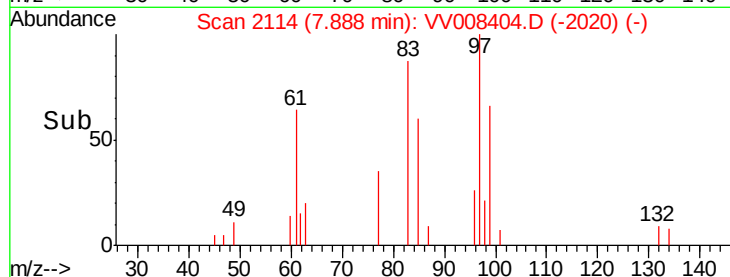
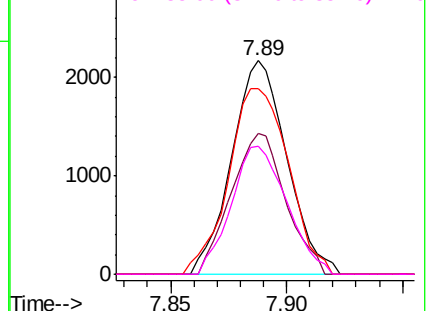


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 2.632 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Tgt Ion: 164 Resp: 2566

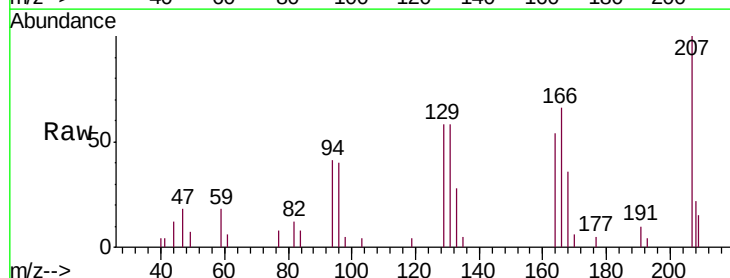
Ion Ratio Lower Upper

164 100

129 106.8 75.0 139.2

131 106.1 71.3 132.3

166 121.5 89.2 165.6

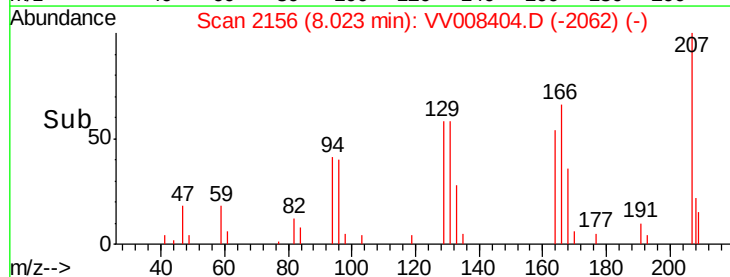
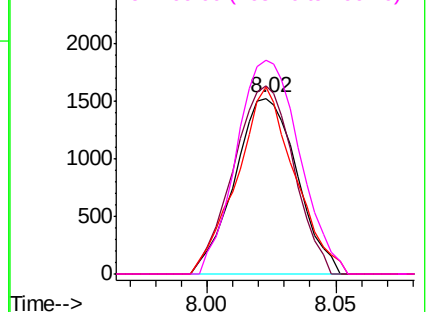


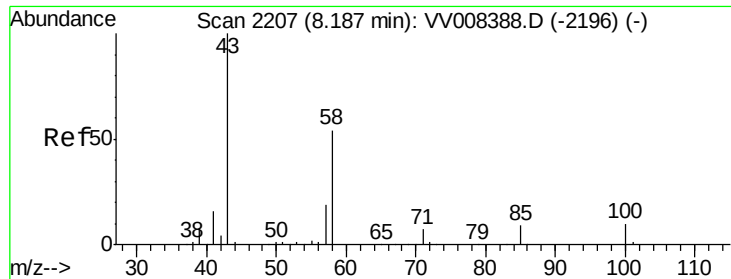
Abundance Ion 164.00 (163.70 to 164.70): V

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

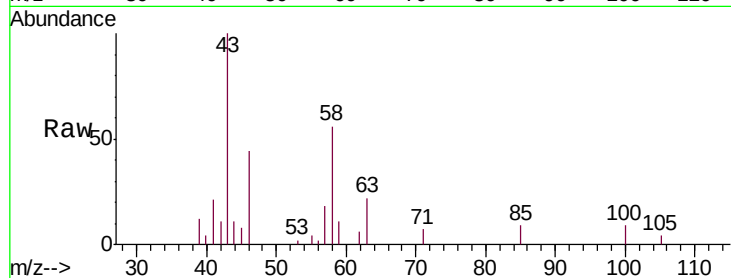




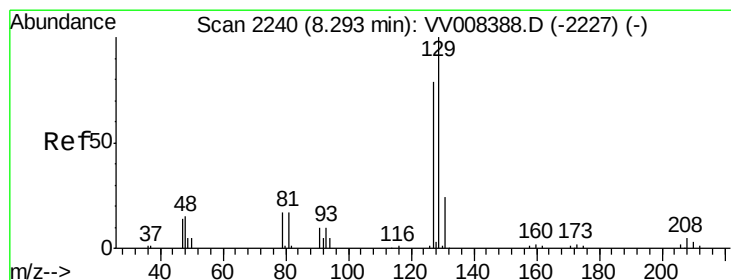
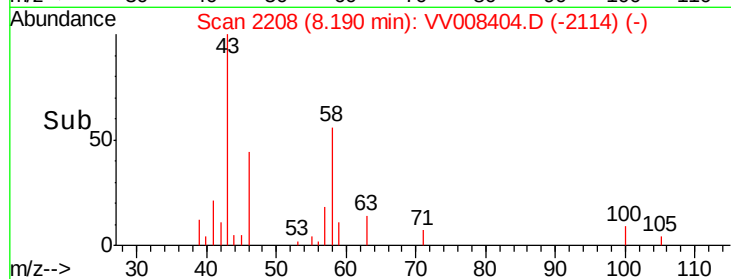
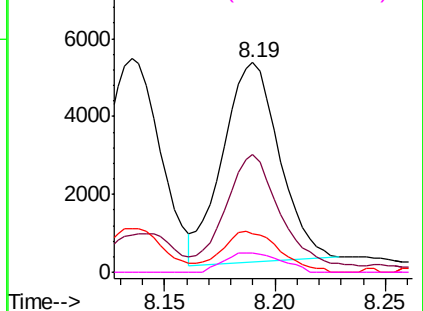
#48
2-Hexanone
Concen: 4.944 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 43 Resp: 9114
Ion Ratio Lower Upper
43 100
58 54.4 42.6 63.8
57 21.0 14.8 22.2
100 9.7 8.5 12.7

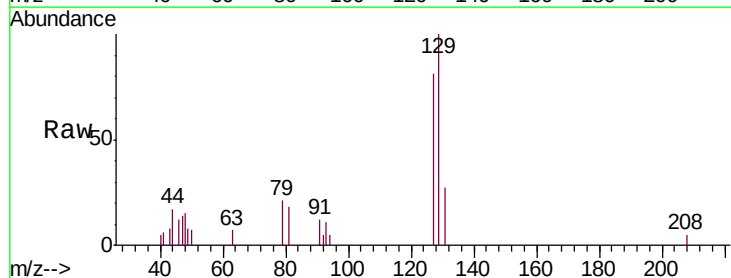


Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV008388.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV008388.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV008388.D (-2196) (-)

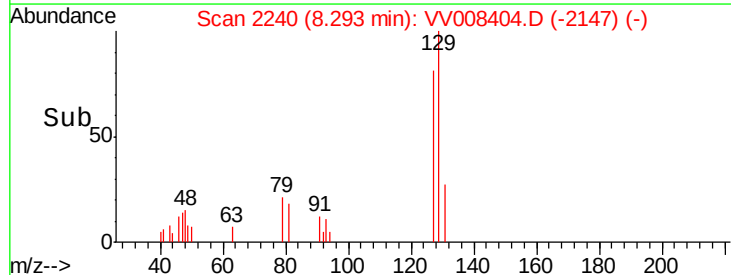
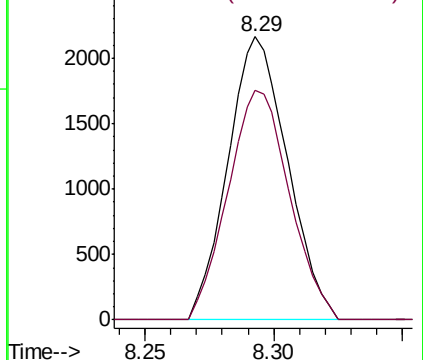


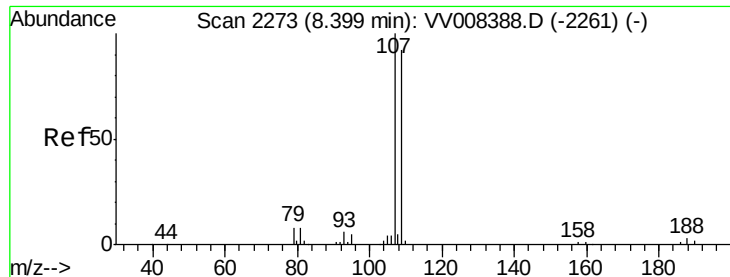
#49
Dibromochloromethane
Concen: 2.274 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Tgt Ion: 129 Resp: 3486
Ion Ratio Lower Upper
129 100
127 81.0 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008388.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV008388.D (-2227) (-)

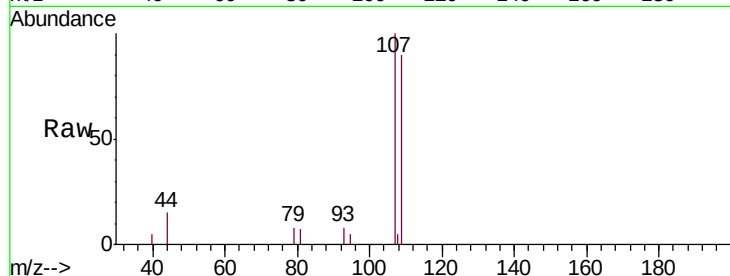




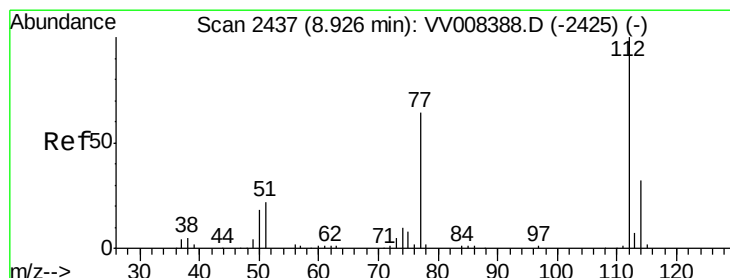
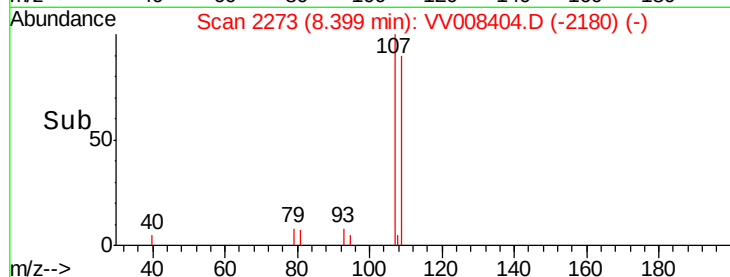
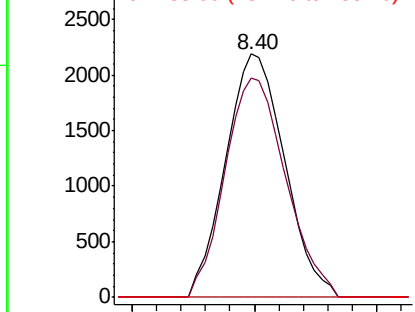
#50
1,2-Dibromoethane
Concen: 2.453 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:107 Resp: 3670
Ion Ratio Lower Upper
107 100
109 90.3 65.2 121.2
188 0.0 2.3 3.5#

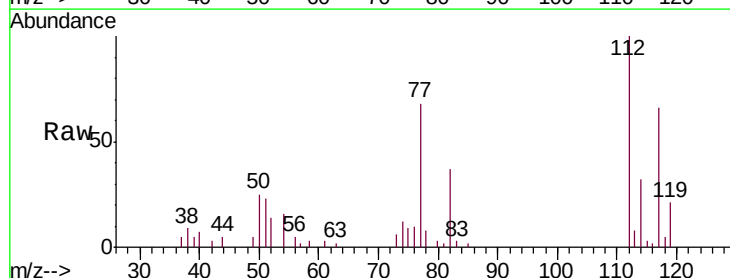


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

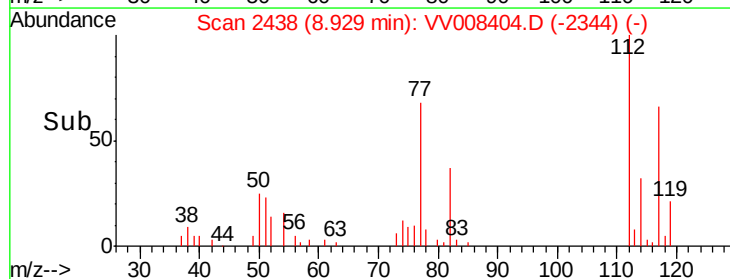
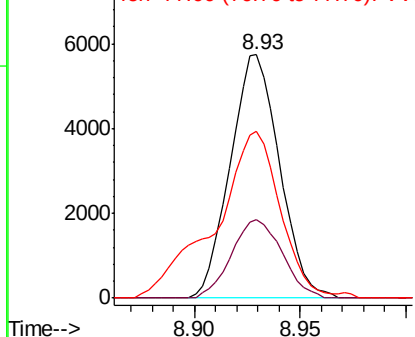


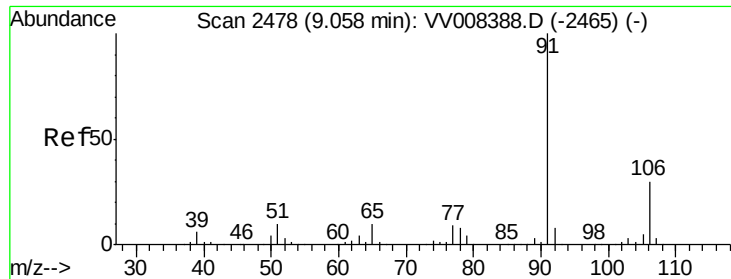
#51
Chlorobenzene
Concen: 2.493 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008404.D
Acq: 24 Oct 2018 20:10

Tgt Ion:112 Resp: 9313
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.7
77 68.4 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): VV0





#52

Ethylbenzene

Concen: 2.532 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

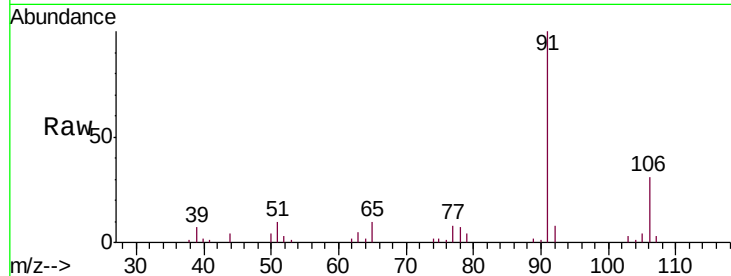
MDL06

Tgt Ion: 91 Resp: 17206

Ion Ratio Lower Upper

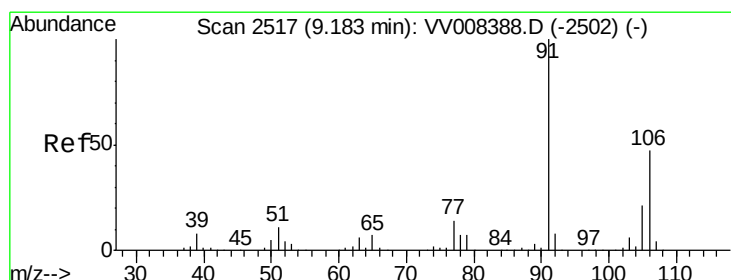
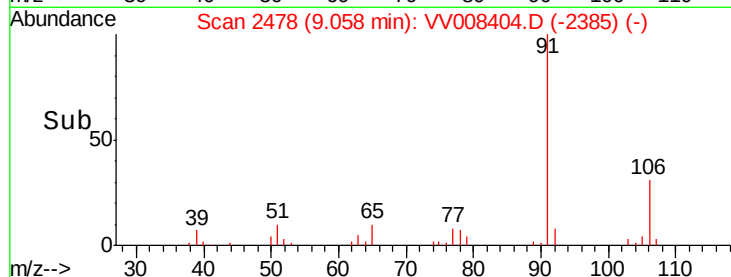
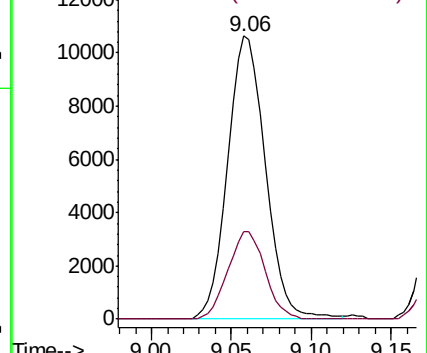
91 100

106 30.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008404.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008404.D (-2385) (-)



#53

m,p-Xylene

Concen: 2.384 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008404.D

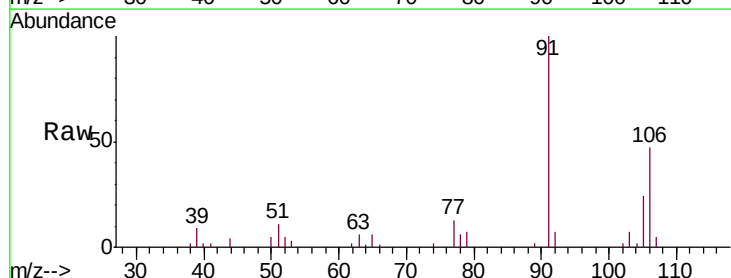
Acq: 24 Oct 2018 20:10

Tgt Ion: 106 Resp: 5919

Ion Ratio Lower Upper

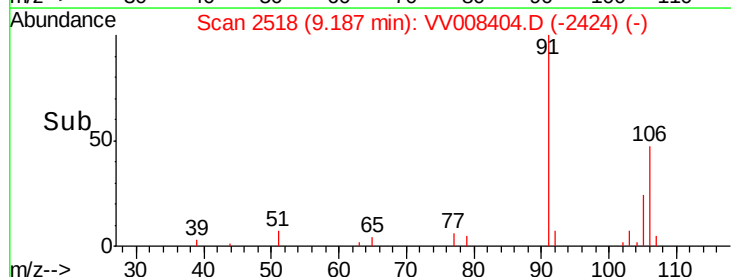
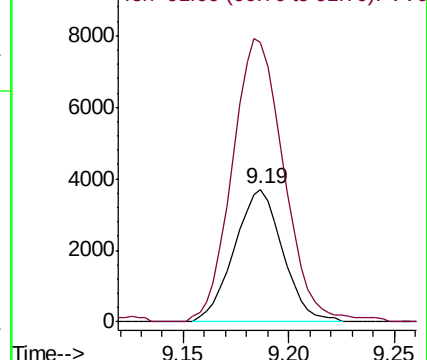
106 100

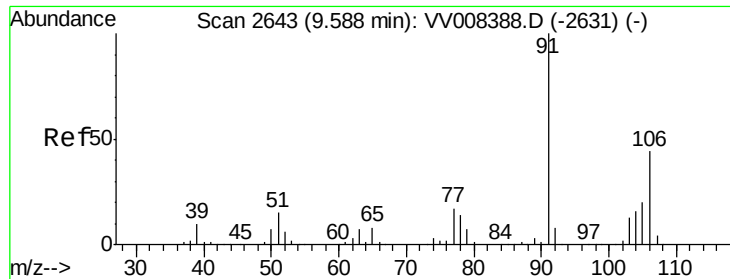
91 211.0 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008404.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008404.D (-2424) (-)





#54

o-xylene

Concen: 2.459 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

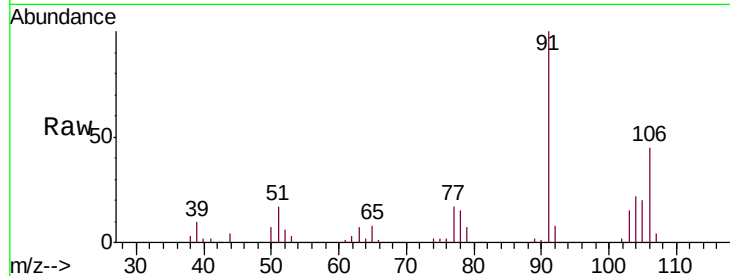
MDL06

Tgt Ion:106 Resp: 6098

Ion Ratio Lower Upper

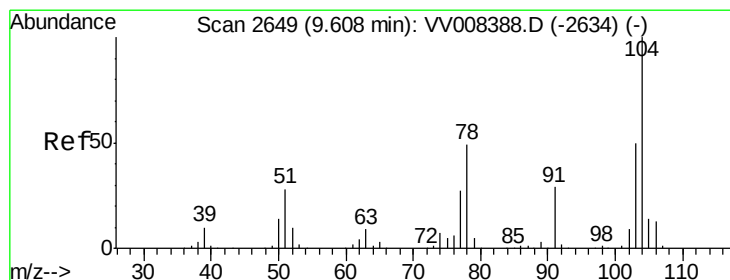
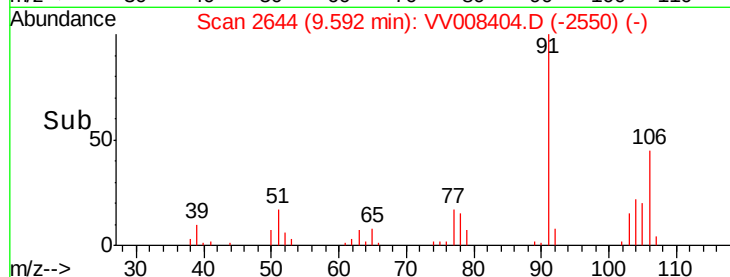
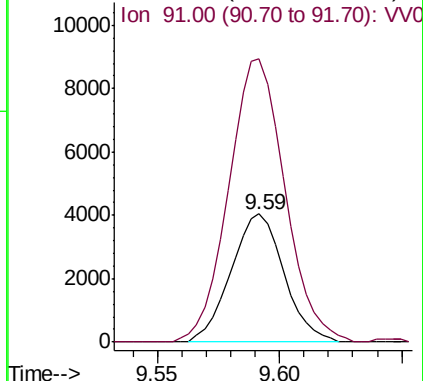
106 100

91 221.4 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.468 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008404.D

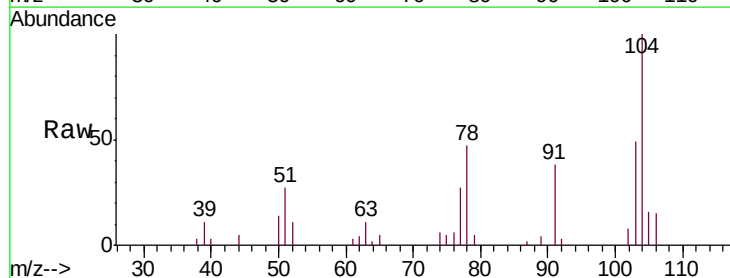
Acq: 24 Oct 2018 20:10

Tgt Ion:104 Resp: 10310

Ion Ratio Lower Upper

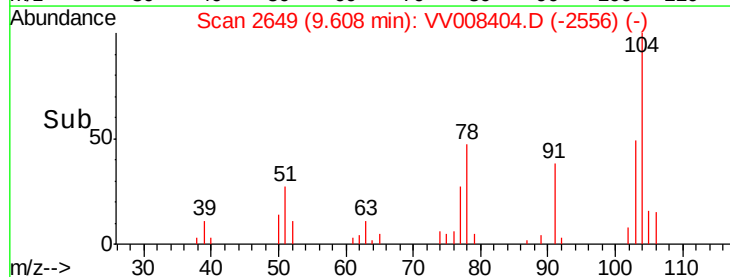
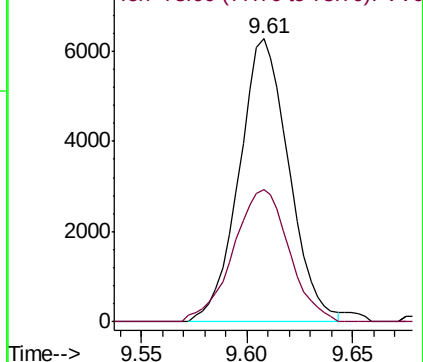
104 100

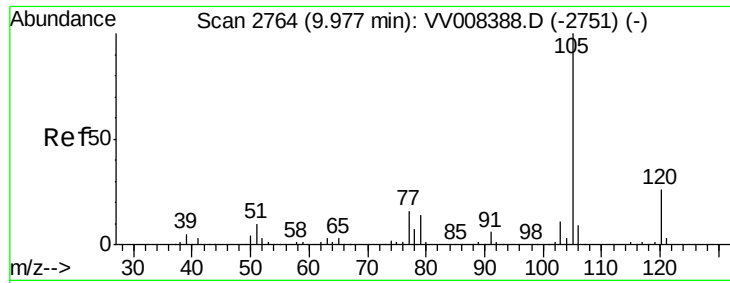
78 47.0 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.448 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

MDL06

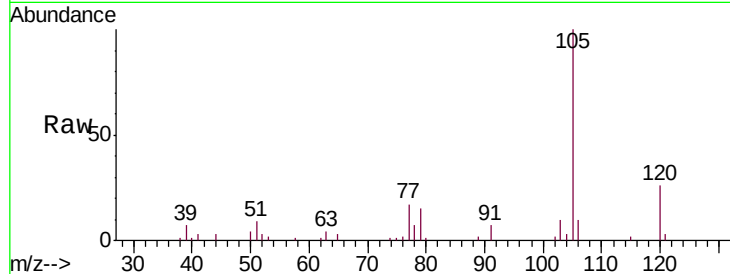
Tgt Ion:105 Resp: 15878

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

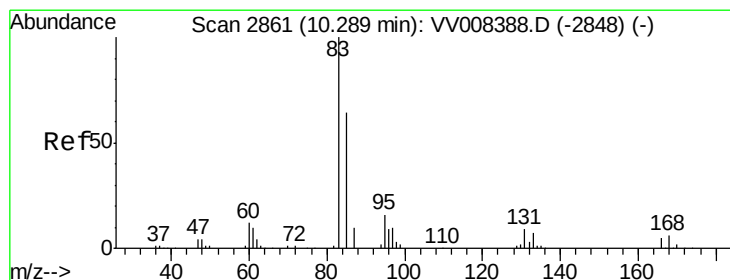
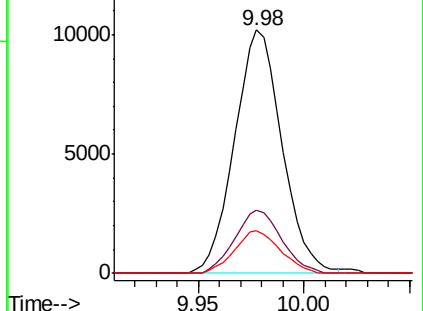
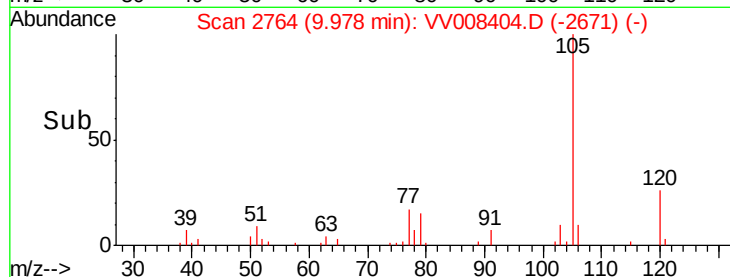
77 16.8 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.785 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

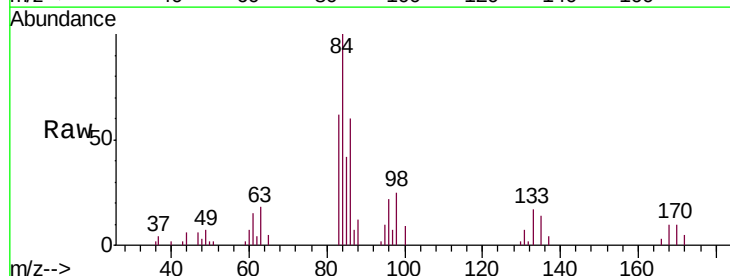
Tgt Ion: 83 Resp: 6958

Ion Ratio Lower Upper

83 100

85 67.5 45.8 85.2

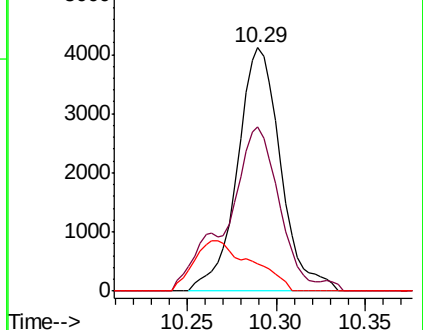
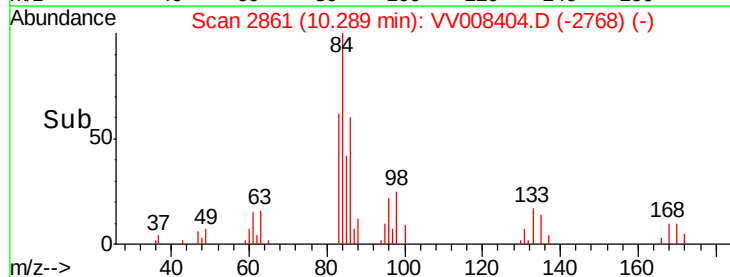
131 11.3 7.3 10.9#

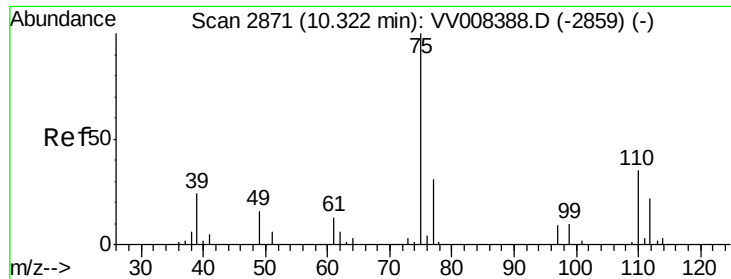


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

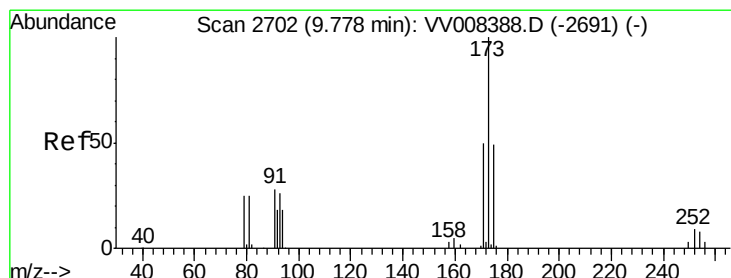
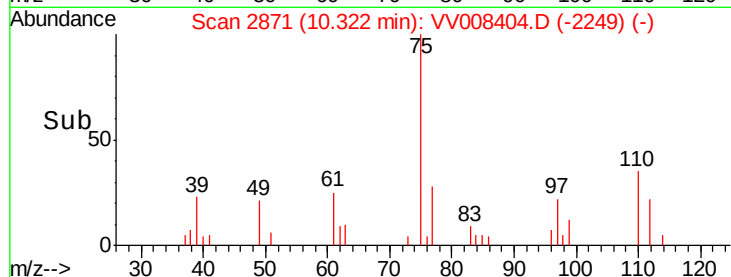
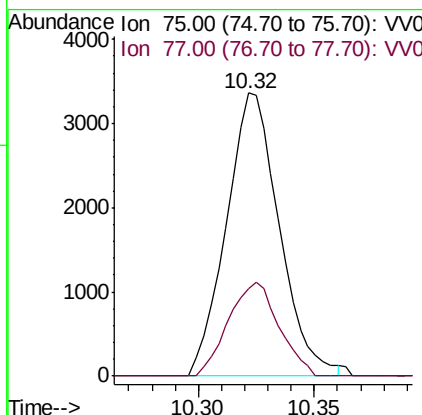
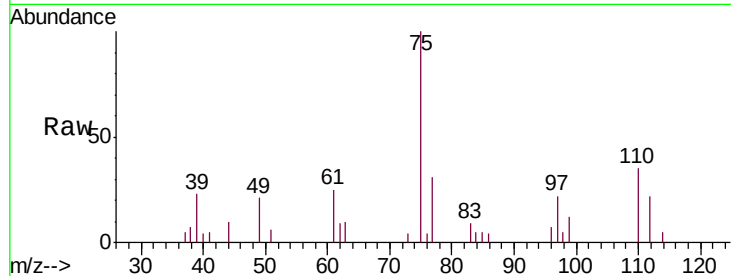




#59
 1,2,3-Trichloropropane
 Concen: 2.636 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

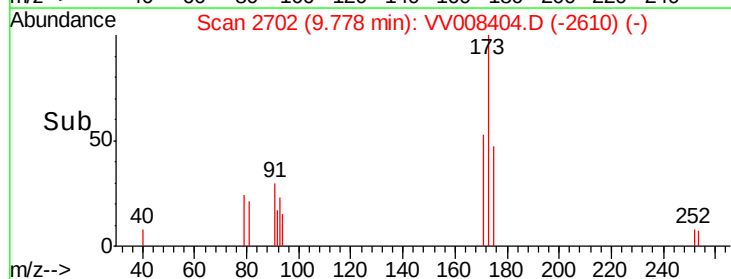
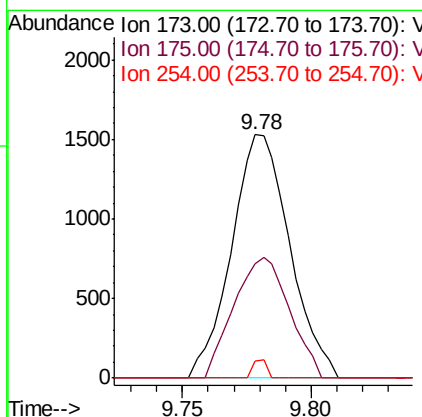
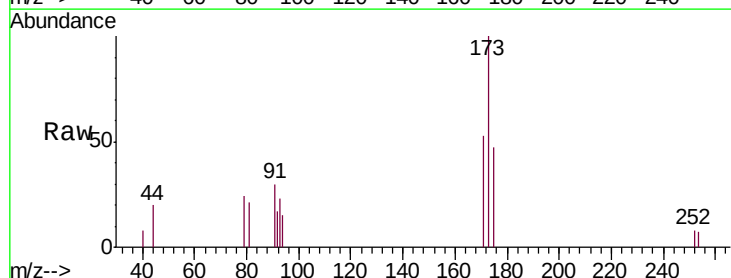
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

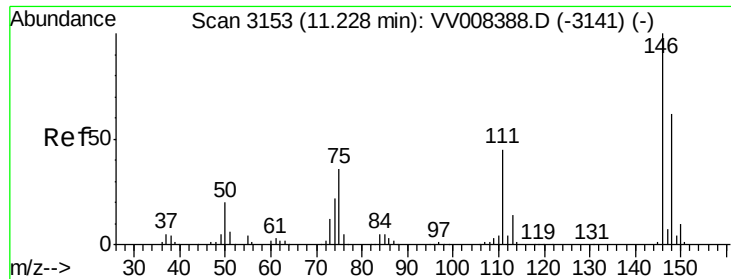
Tgt Ion: 75 Resp: 5329
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#61
 Bromoform
 Concen: 2.525 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 173 Resp: 2412
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.6 57.8
 254 1.8 5.9 8.9#

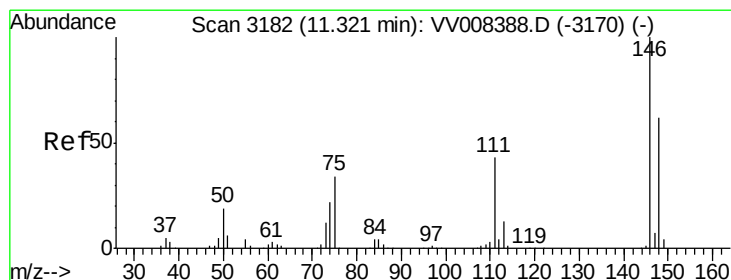
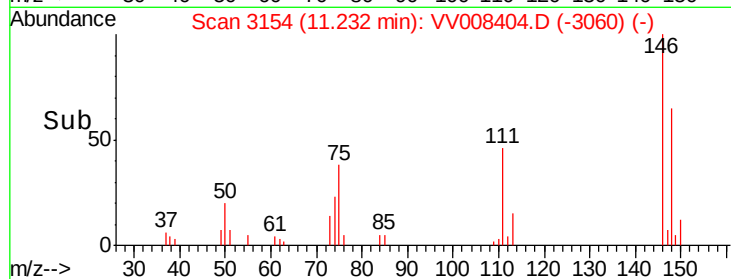
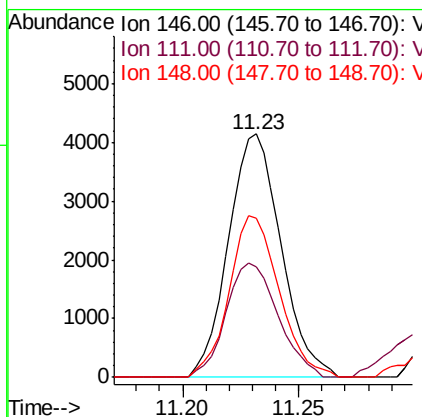
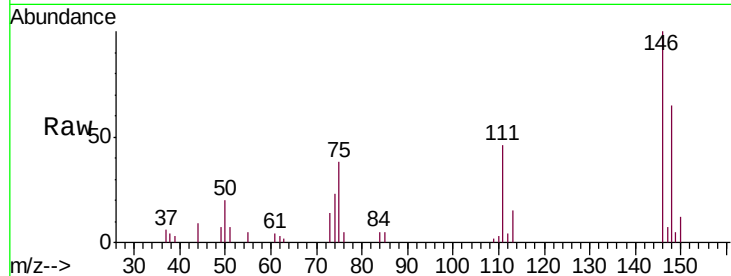




#62
 1,3-Dichlorobenzene
 Concen: 2.612 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

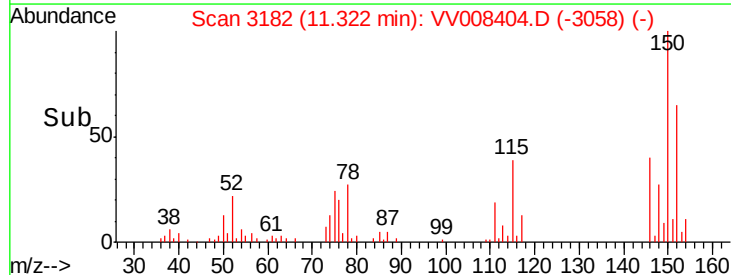
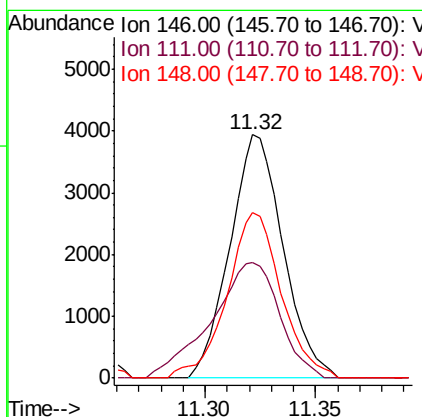
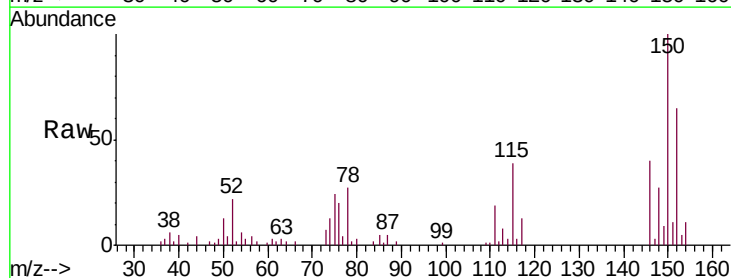
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

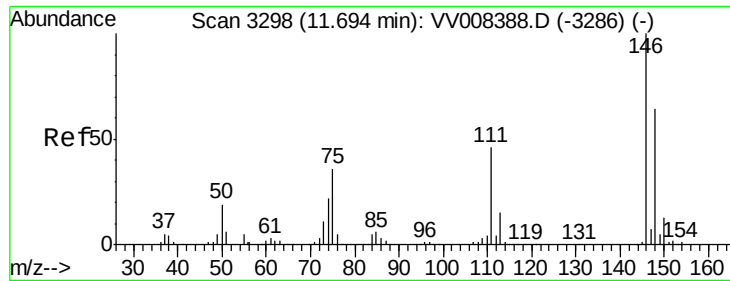
Tgt Ion:146 Resp: 6537
 Ion Ratio Lower Upper
 146 100
 111 45.5 30.9 57.3
 148 65.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 2.638 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion:146 Resp: 6618
 Ion Ratio Lower Upper
 146 100
 111 47.6 29.8 55.4
 148 68.0 44.4 82.5

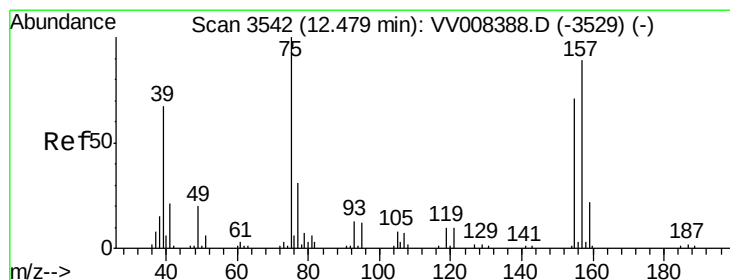
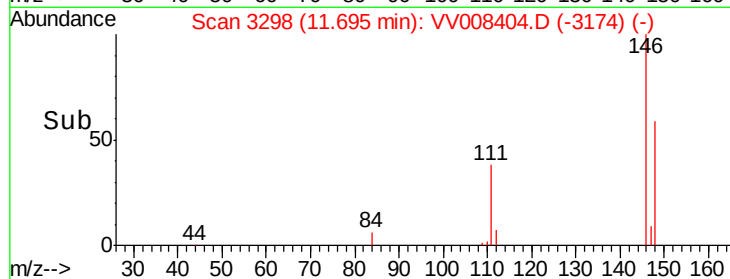
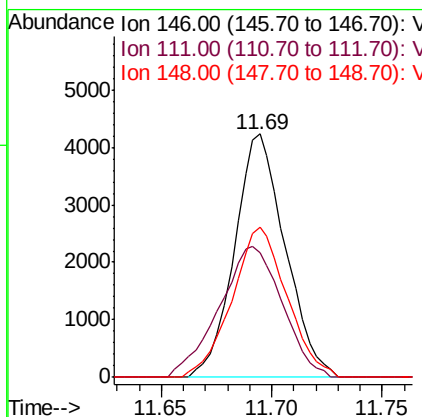
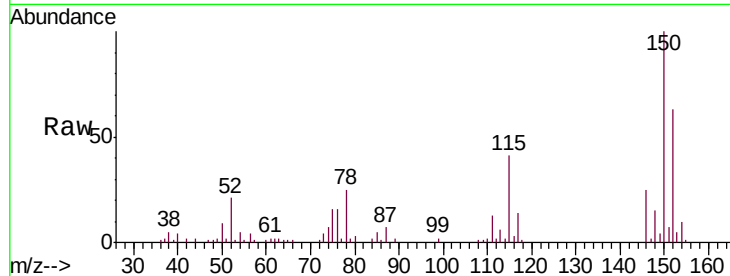




#65
 1,2-Dichlorobenzene
 Concen: 2.643 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

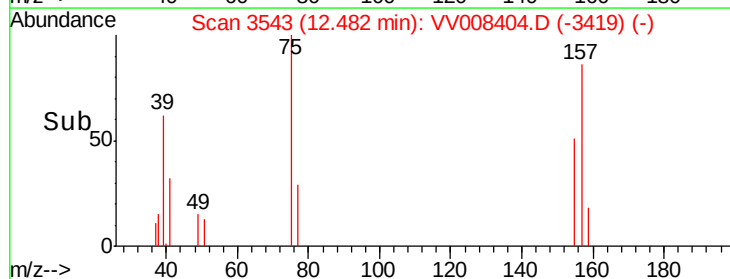
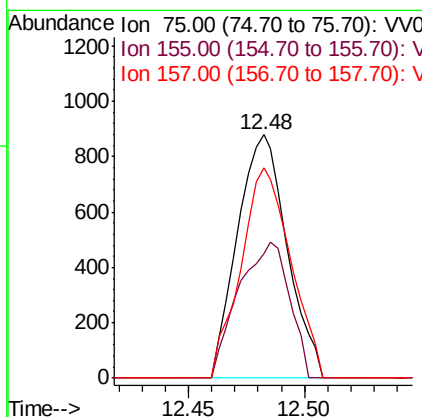
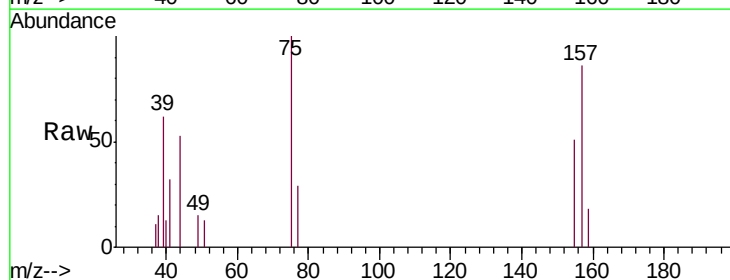
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

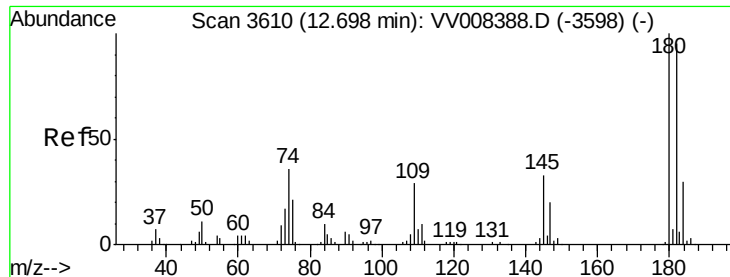
Tgt Ion: 146 Resp: 6745
 Ion Ratio Lower Upper
 146 100
 111 51.3 36.2 54.2
 148 61.6 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.485 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion: 75 Resp: 1304
 Ion Ratio Lower Upper
 75 100
 155 51.0 55.4 83.0#
 157 86.5 72.8 109.2

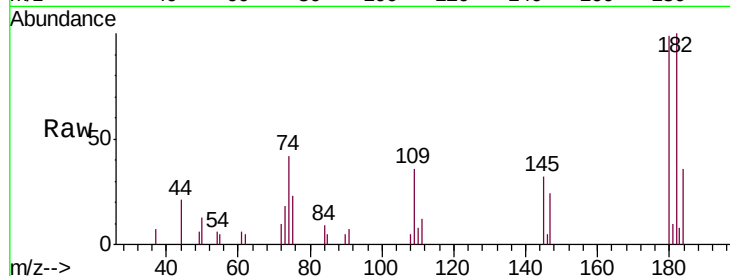




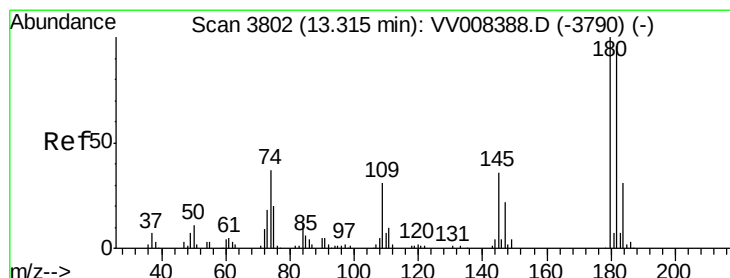
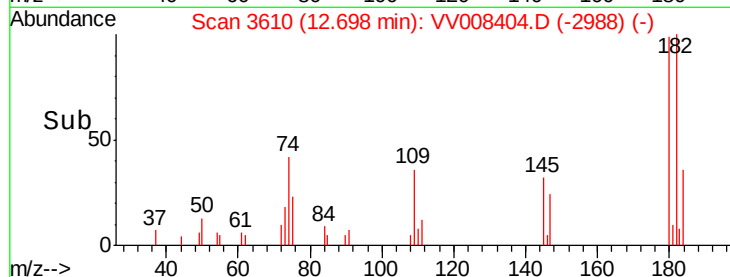
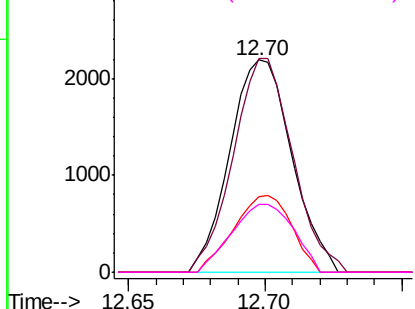
#67
 1,3,5-Trichlorobenzene
 Concen: 2.117 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 3460
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.9 113.9
 184 33.7 24.1 36.1
 145 31.7 26.8 40.2

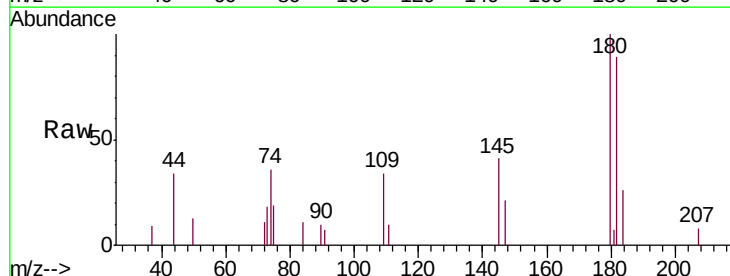


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

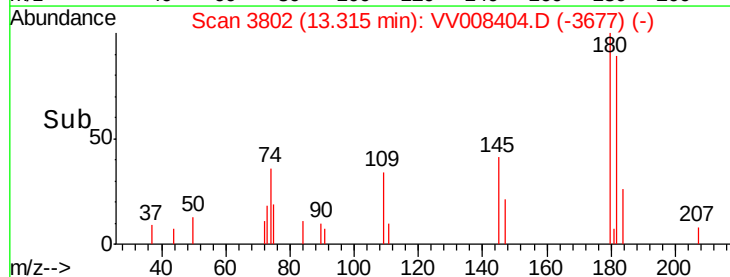
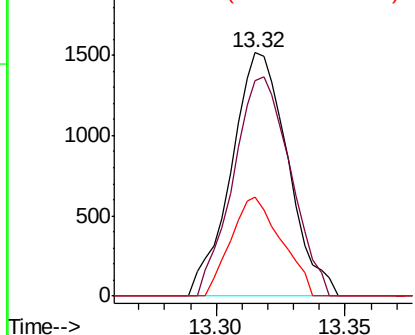


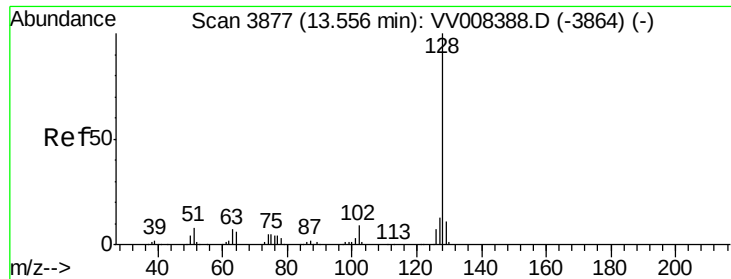
#68
 1,2,4-trichlorobenzene
 Concen: 1.759 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008404.D
 Acq: 24 Oct 2018 20:10

Tgt Ion:180 Resp: 2326
 Ion Ratio Lower Upper
 180 100
 182 90.5 75.4 113.2
 145 36.1 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: 1.453 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

MDL06

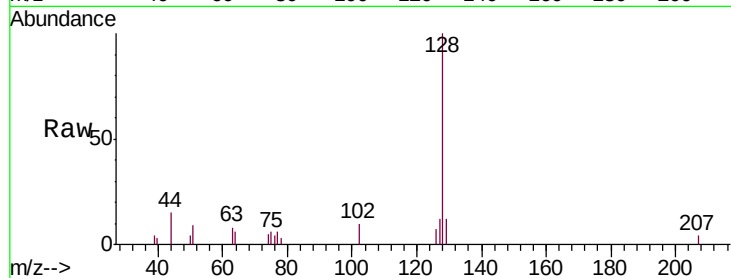
Tgt Ion:128 Resp: 6213

Ion Ratio Lower Upper

128 100

127 10.2 10.6 15.8#

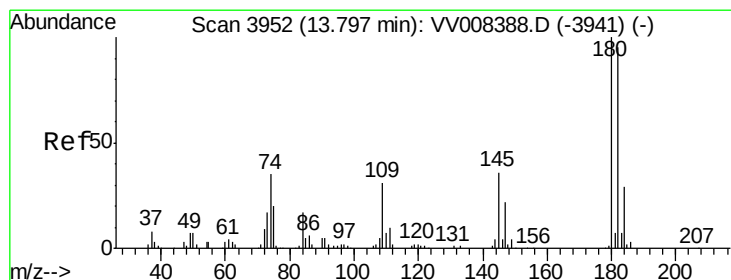
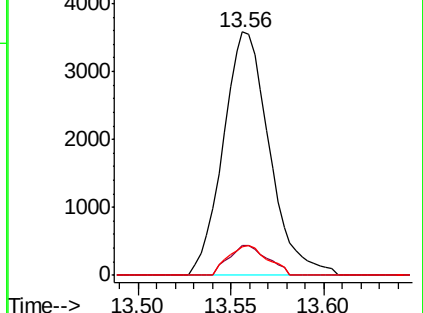
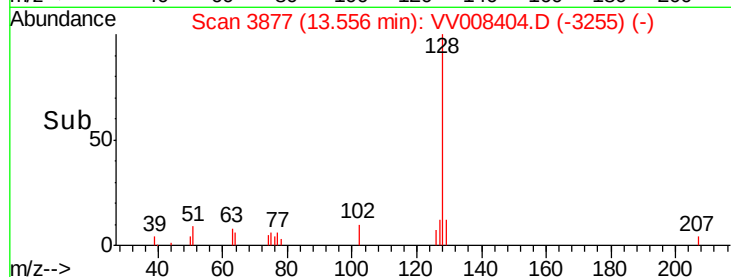
129 10.4 8.9 13.3



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: 1.896 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008404.D

Acq: 24 Oct 2018 20:10

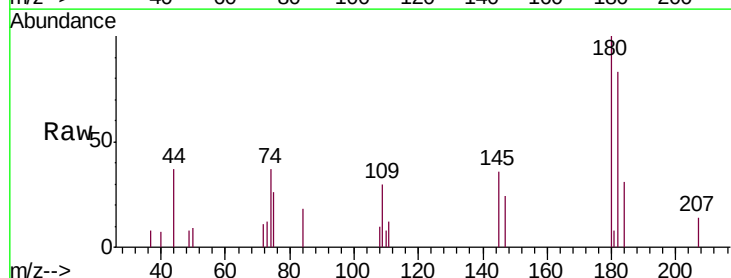
Tgt Ion:180 Resp: 2505

Ion Ratio Lower Upper

180 100

182 87.0 75.7 113.5

145 31.6 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

