

Data File : VV008400.D
Acq On : 24 Oct 2018 18:38
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Quant Time: Oct 25 09:19:55 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	197260	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45689	41.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.66%
7) Chloroethane-d5	1.57	69	35660	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.13	63	64669	32.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.56%
21) 2-Butanone-d5	3.93	46	115628	97.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.41%
24) Chloroform-d	4.41	84	119573	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
26) 1,2-Dichloroethane-d4	5.09	65	83584	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
32) Benzene-d6	5.10	84	237051	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.12	67	82855	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.36	98	210729	45.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.67	79	39222	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.14	63	90930	98.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.99%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	116007	48.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.38%
64) 1,2-Dichlorobenzene-d4	11.68	152	73369	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3100	2.201 ug/L	98
3) Chloromethane	1.25	50	3621	2.400 ug/L	95
5) Vinyl chloride	1.33	62	2994	2.141 ug/L #	55
6) Bromomethane	1.52	94	1022	2.664 ug/L	92
8) Chloroethane	1.59	64	2011	2.738 ug/L	96
9) Trichlorofluoromethane	1.77	101	3960	2.201 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2675	2.846 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	2526	2.854 ug/L #	1
13) Acetone	2.19	43	4386	4.761 ug/L	99
14) Carbon disulfide	2.32	76	9186	2.304 ug/L	98
15) Methyl Acetate	2.46	43	4473	2.435 ug/L	95
16) Methylene chloride	2.54	84	3658	2.386 ug/L	95
17) trans-1,2-Dichloroethene	2.80	96	3058	2.267 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	11010	2.280 ug/L #	93
19) 1,1-Dichloroethane	3.23	63	5889	2.116 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	3624	2.358 ug/L	86
22) 2-Butanone	4.03	43	4831	3.630 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1565	2.159	ug/L	98
25) Chloroform	4.44	83	6635	2.443	ug/L	97
27) 1,2-Dichloroethane	5.19	62	5375	2.369	ug/L	100
29) Cyclohexane	4.73	56	6117	2.362	ug/L	98
30) 1,1,1-Trichloroethane	4.67	97	5345	2.318	ug/L	99
31) Carbon tetrachloride	4.88	117	4264	2.179	ug/L	99
33) Benzene	5.15	78	12991	2.235	ug/L	100
34) Trichloroethene	5.97	95	3526	2.369	ug/L	97
35) Methylcyclohexane	6.18	83	5705	2.255	ug/L	93
37) 1,2-Dichloropropane	6.23	63	3852	2.399	ug/L #	89
38) Bromodichloromethane	6.56	83	4587	2.242	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	5667	2.245	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	11427	4.806	ug/L #	95
42) Toluene	7.44	91	14482	2.398	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	5719	2.422	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3016	2.125	ug/L	90
46) Tetrachloroethene	8.03	164	2433	2.508	ug/L	94
48) 2-Hexanone	8.19	43	8069	4.398	ug/L #	89
49) Dibromochloromethane	8.29	129	3241	2.125	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3401	2.284	ug/L #	97
51) Chlorobenzene	8.93	112	8631	2.321	ug/L	99
52) Ethylbenzene	9.06	91	15175	2.244	ug/L	95
53) m,p-Xylene	9.19	106	5607	2.269	ug/L	90
54) o-xylene	9.59	106	5469	2.216	ug/L	96
55) Styrene	9.61	104	9098	2.188	ug/L	99
56) Isopropylbenzene	9.98	105	13844	2.144	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6406	2.577	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	4485	2.229	ug/L	94
61) Bromoform	9.78	173	2072	2.140	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	5942	2.343	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	5978	2.351	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	6319	2.443	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1018	1.914	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	3129	1.889	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	2116	1.579	ug/L	95
69) Naphthalene	13.56	128	5796	1.338	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	2172	1.622	ug/L	96

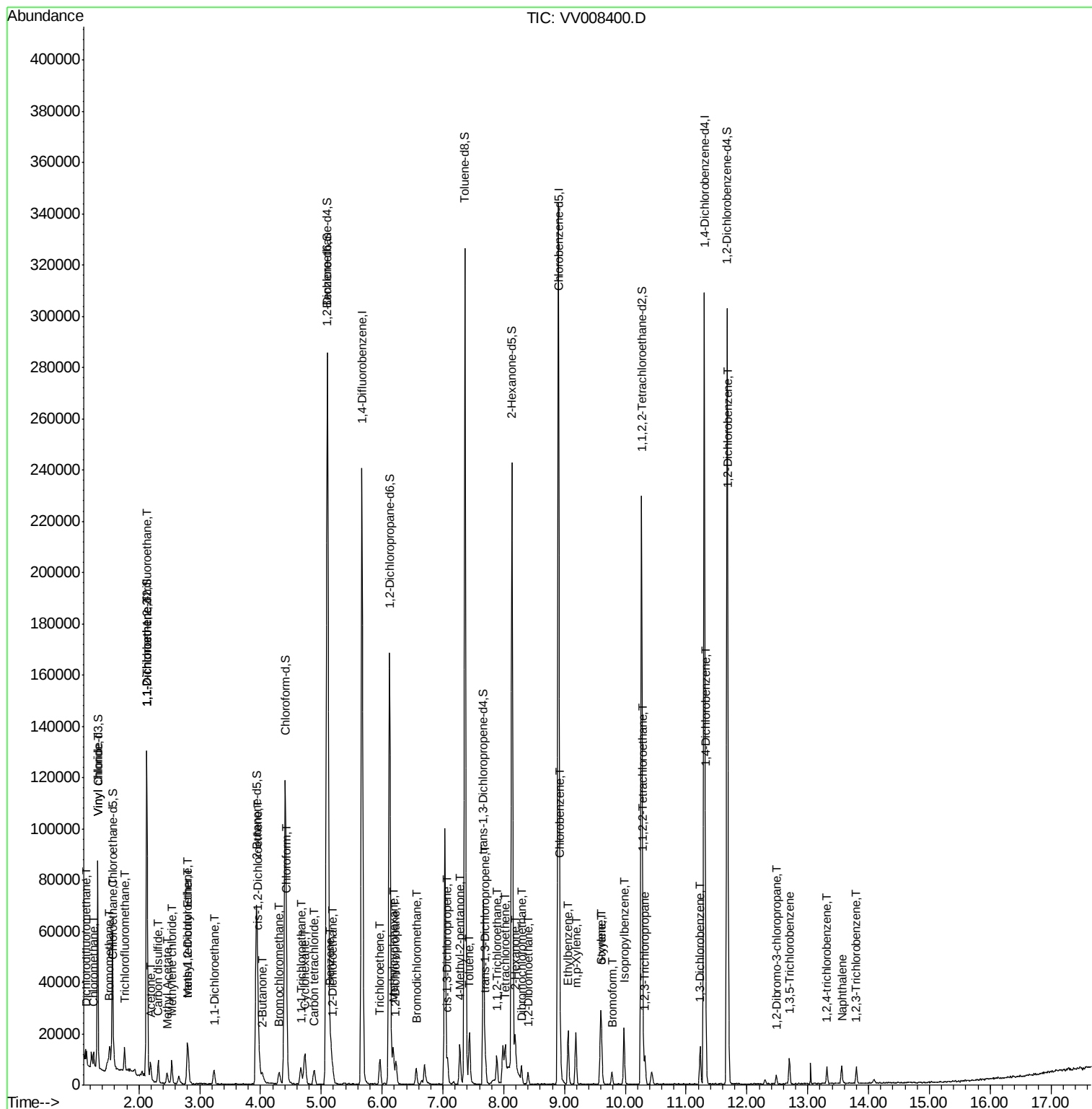
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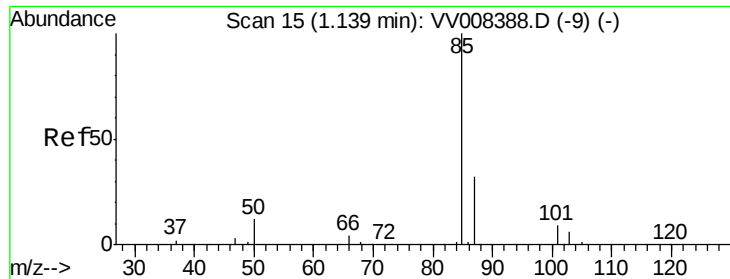
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ClientSampleId :
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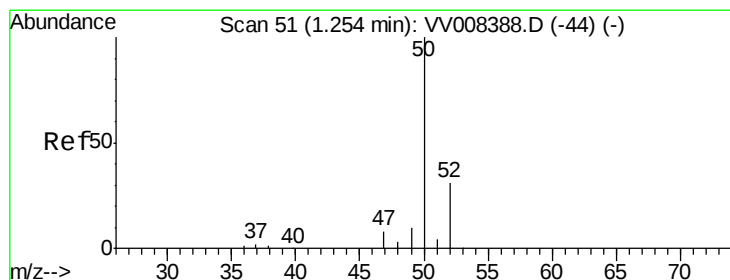
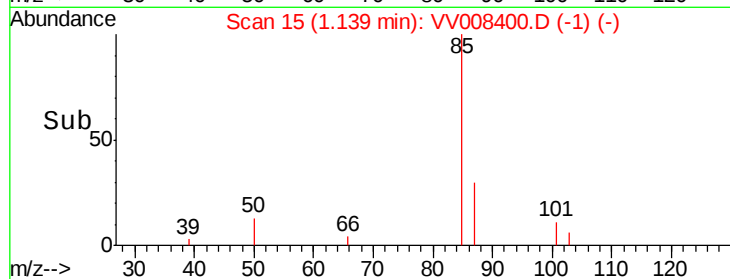
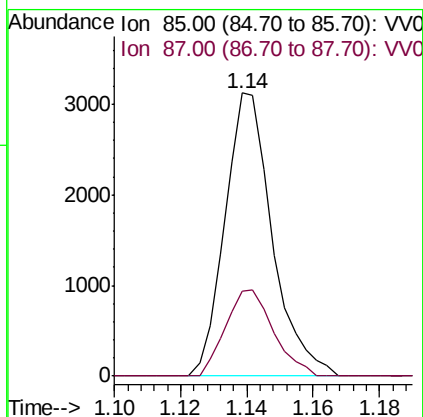
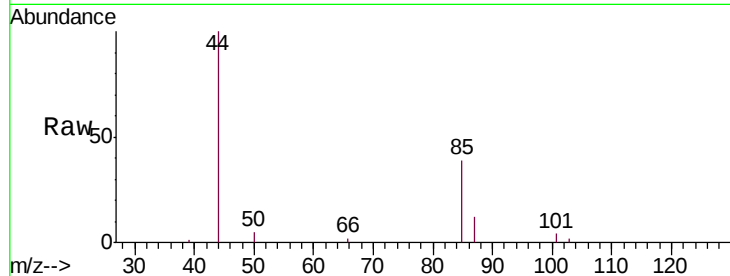




#2
 Dichlorodifluoromethane
 Concen: 2.201 ug/L
 RT: 1.14 min Scan# 15
 Delta R.T. -0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

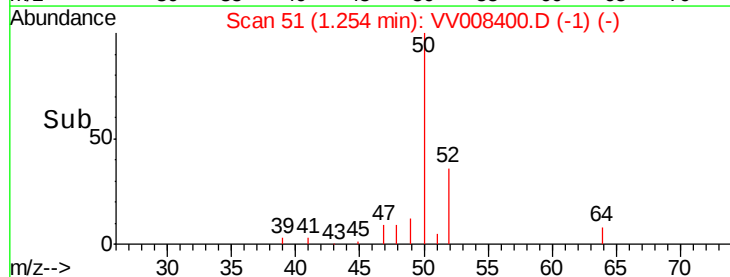
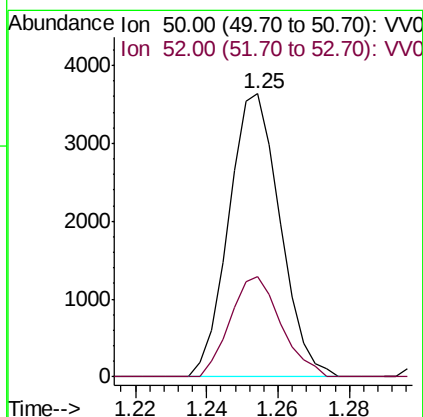
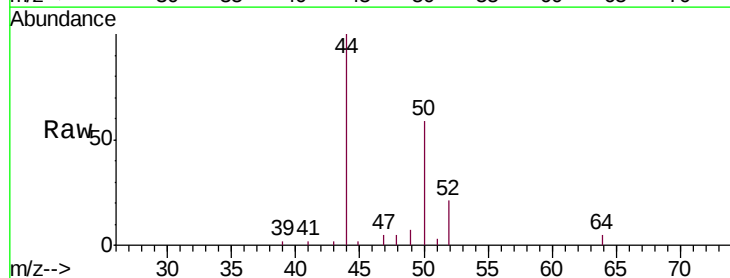
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

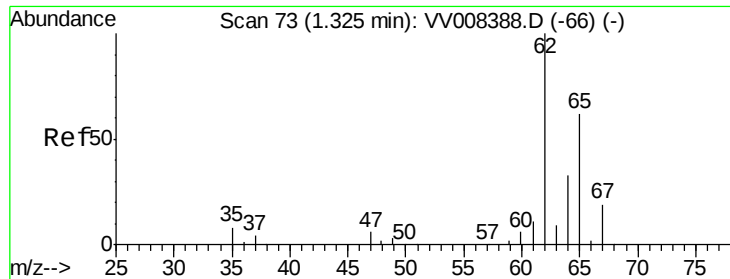
Tgt Ion: 85 Resp: 3100
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.4 38.2



#3
 Chloromethane
 Concen: 2.400 ug/L
 RT: 1.25 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion: 50 Resp: 3621
 Ion Ratio Lower Upper
 50 100
 52 35.7 23.1 42.9





#5

Vinyl chloride

Concen: 2.141 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

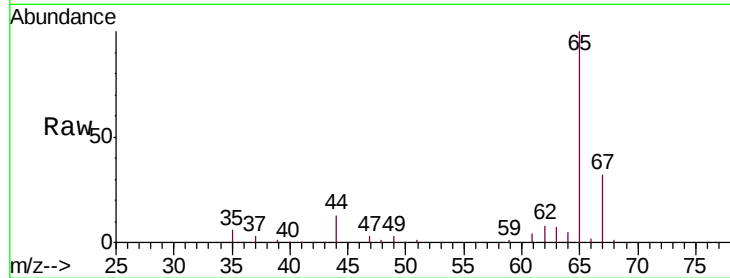
MDL02

Tgt Ion: 62 Resp: 2994

Ion Ratio Lower Upper

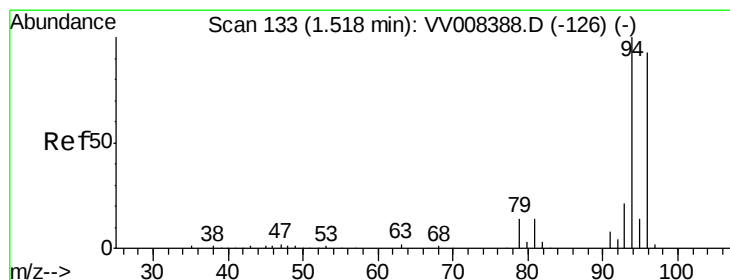
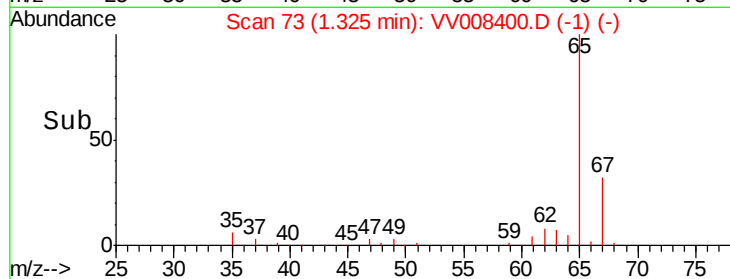
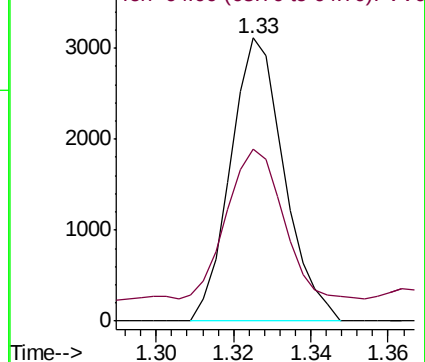
62 100

64 60.9 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.664 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008400.D

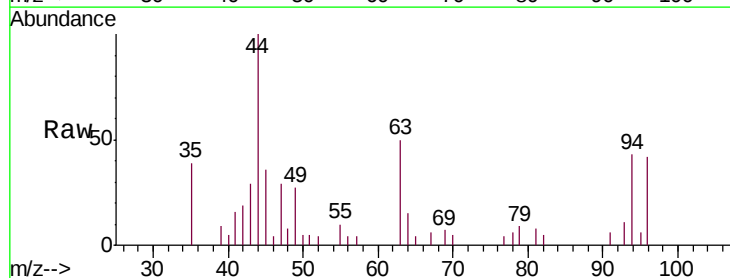
Acq: 24 Oct 2018 18:38

Tgt Ion: 94 Resp: 1022

Ion Ratio Lower Upper

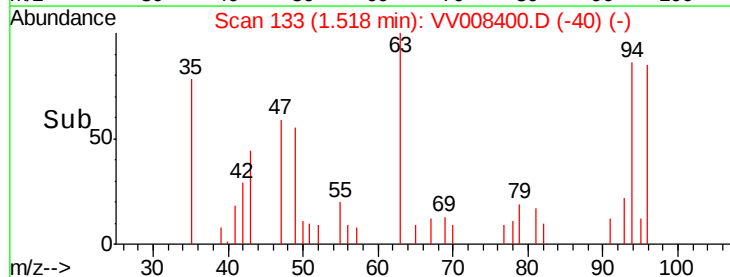
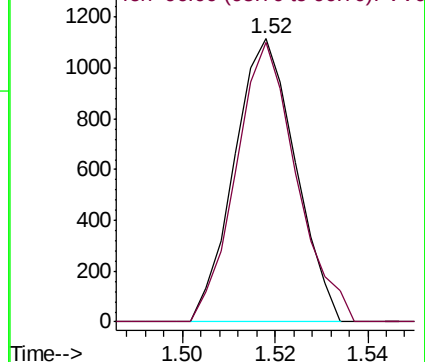
94 100

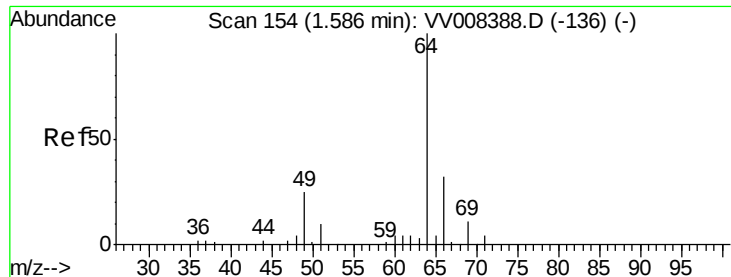
96 98.6 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.738 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

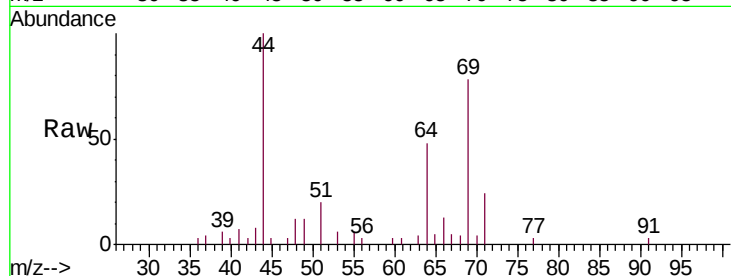
MDL02

Tgt Ion: 64 Resp: 2011

Ion Ratio Lower Upper

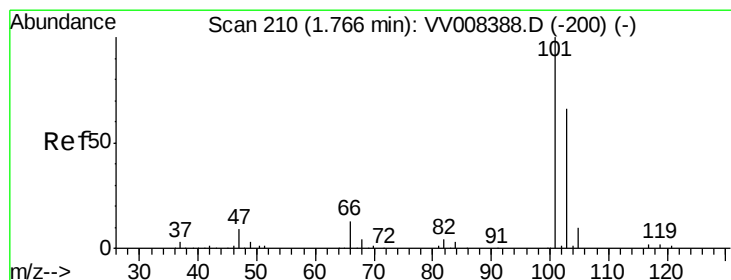
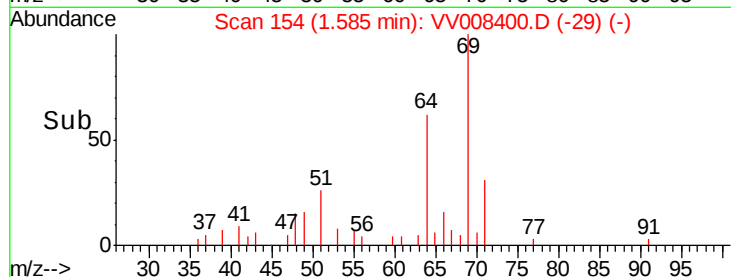
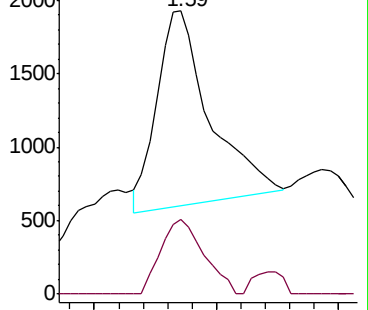
64 100

66 26.3 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008400.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VV008400.D (-136) (-)



#9

Trichlorofluoromethane

Concen: 2.201 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008400.D

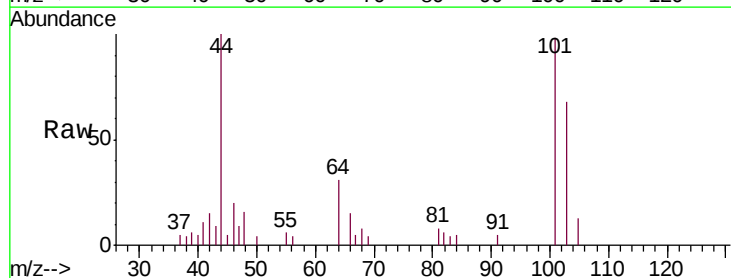
Acq: 24 Oct 2018 18:38

Tgt Ion: 101 Resp: 3960

Ion Ratio Lower Upper

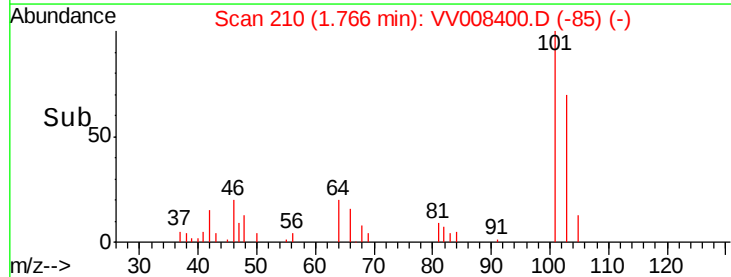
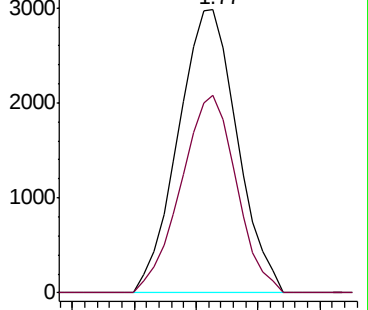
101 100

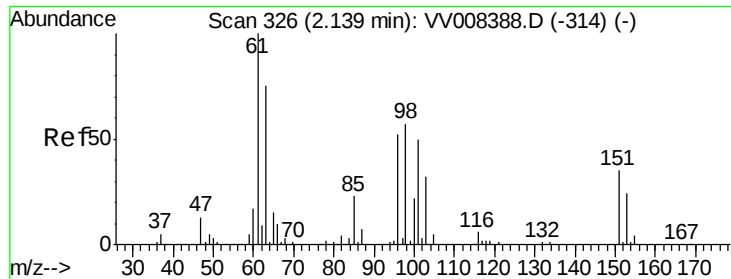
103 65.5 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008400.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008400.D (-200) (-)





#10

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

Concen: 2.846 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

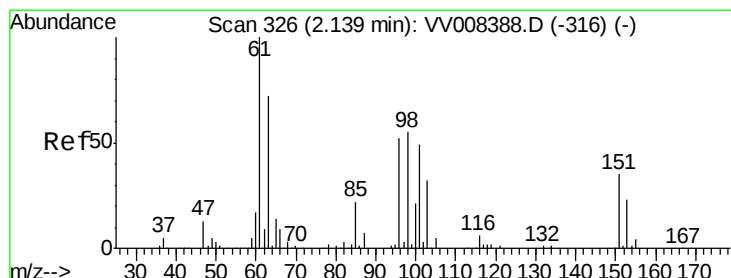
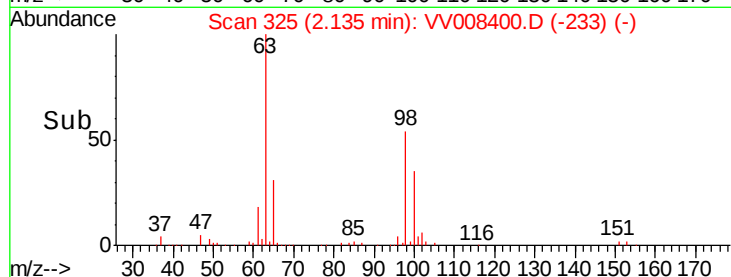
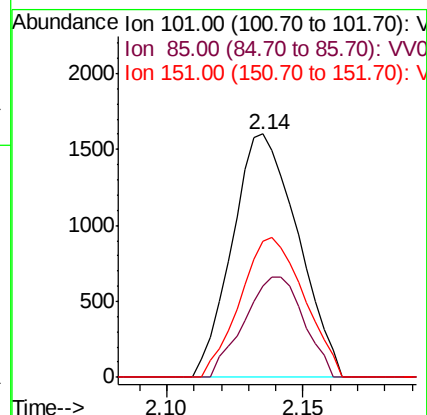
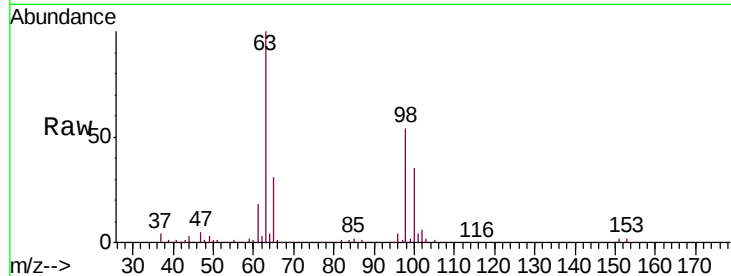
Tgt Ion:101 Resp: 2675

Ion Ratio Lower Upper

101 100

85 37.2 35.6 53.4

151 55.9 58.1 87.1#



#12

1,1-Dichloroethene

Concen: 2.854 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

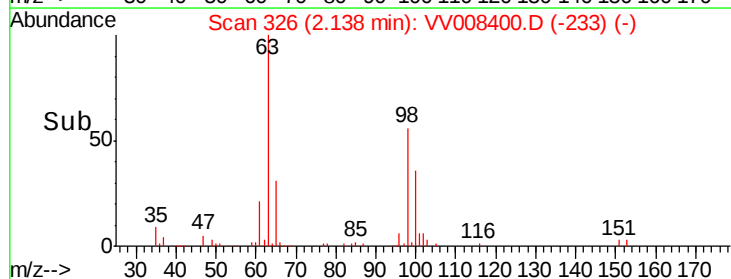
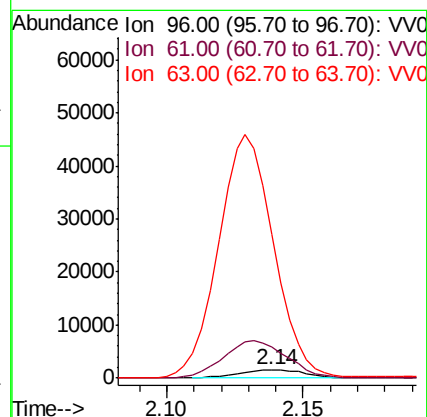
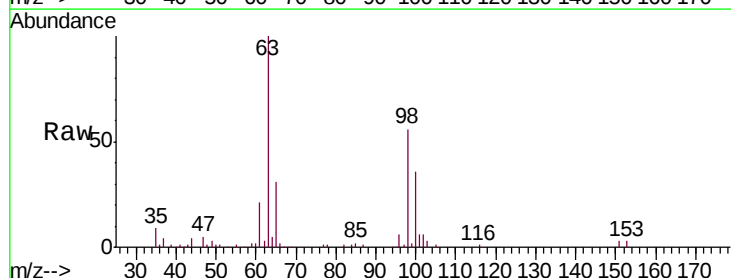
Tgt Ion: 96 Resp: 2526

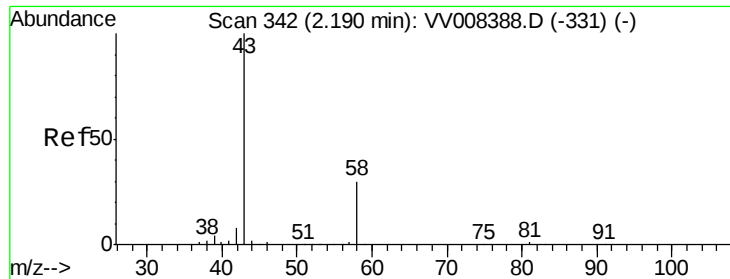
Ion Ratio Lower Upper

96 100

61 368.8 130.3 242.1#

63 1726.7 84.4 156.8#





#13

Acetone

Concen: 4.761 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

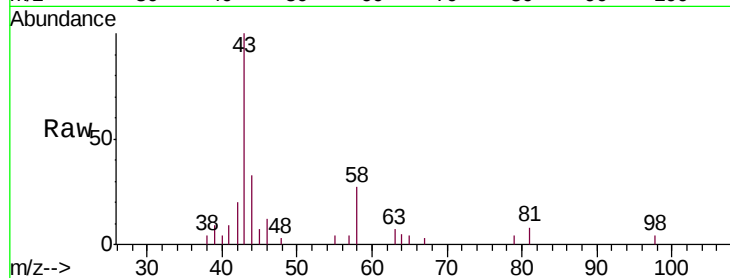
MDL02

Tgt Ion: 43 Resp: 4386

Ion Ratio Lower Upper

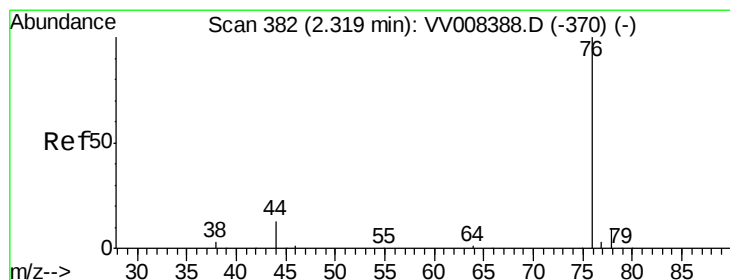
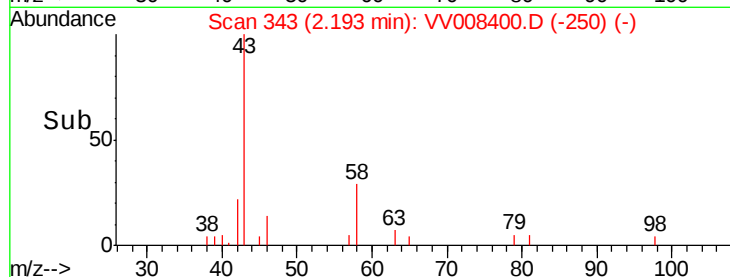
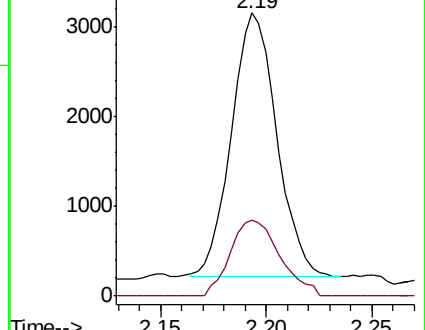
43 100

58 31.4 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: 2.304 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008400.D

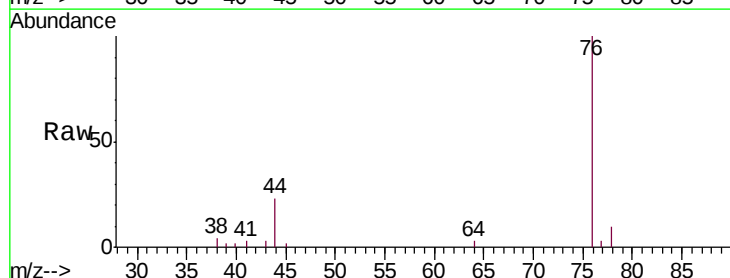
Acq: 24 Oct 2018 18:38

Tgt Ion: 76 Resp: 9186

Ion Ratio Lower Upper

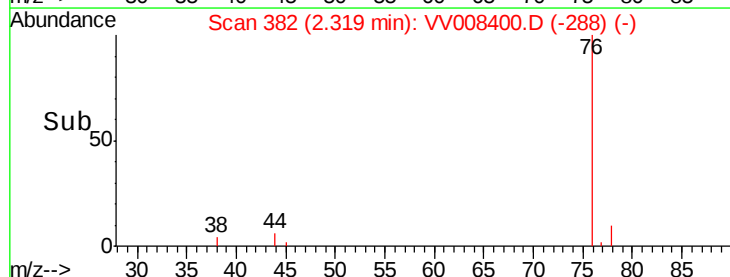
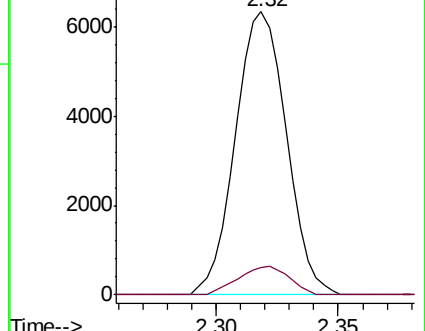
76 100

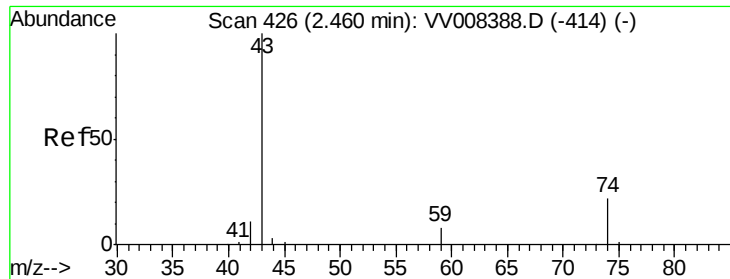
78 9.8 7.3 10.9



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

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

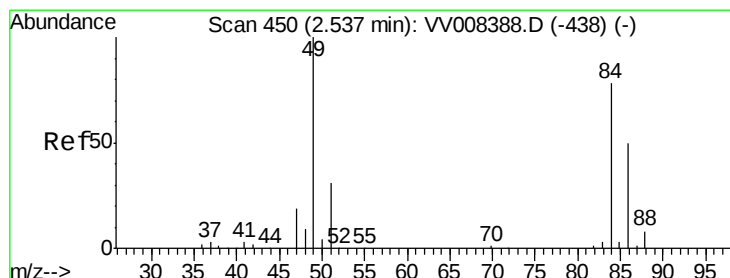
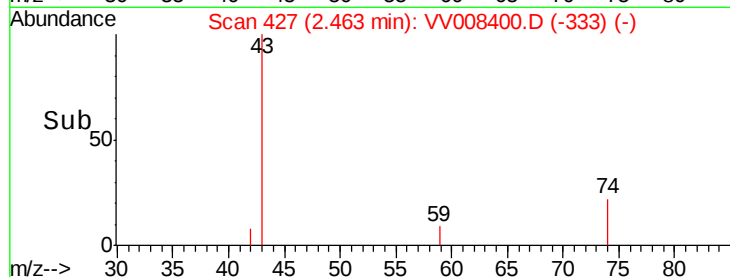
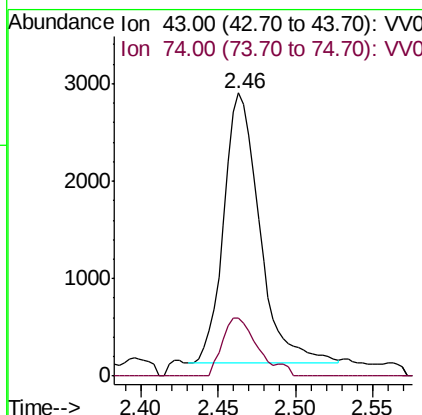
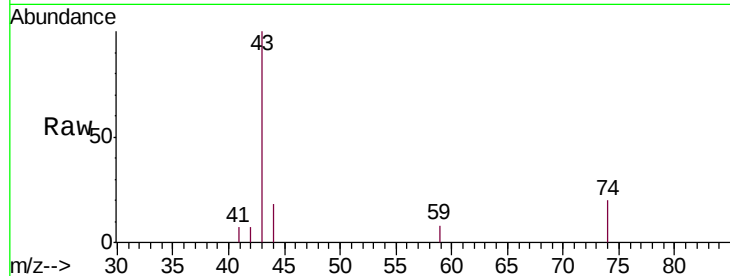




#15
Methyl Acetate
Concen: 2.435 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

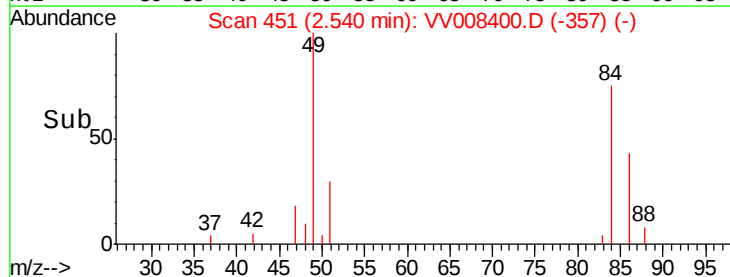
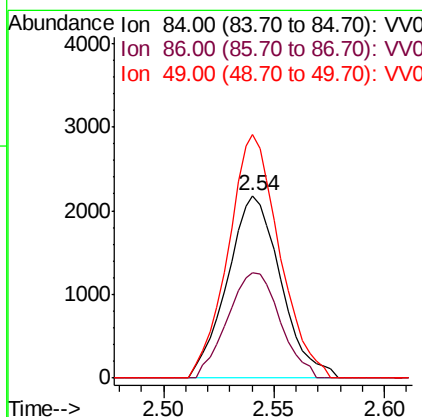
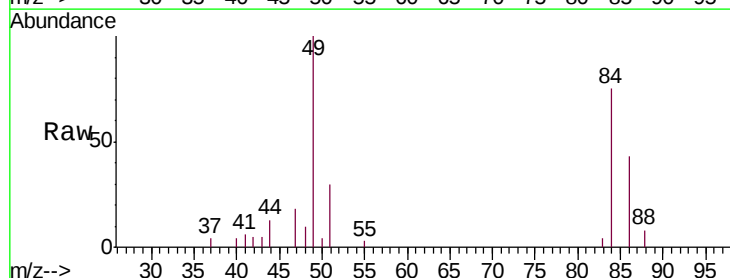
Instrument :
MSVOA_V
ClientSampleId :
MDL02

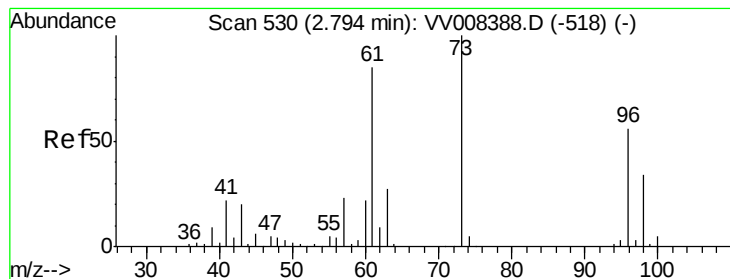
Tgt Ion: 43 Resp: 4473
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.6



#16
Methylene chloride
Concen: 2.386 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

Tgt Ion: 84 Resp: 3658
Ion Ratio Lower Upper
84 100
86 58.0 45.6 84.6
49 133.4 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 2.267 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

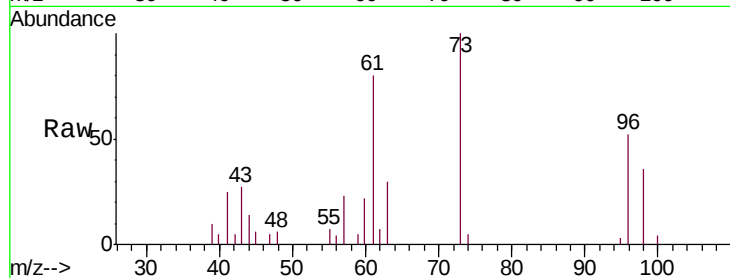
Tgt Ion: 96 Resp: 3058

Ion Ratio Lower Upper

96 100

61 153.3 108.6 201.6

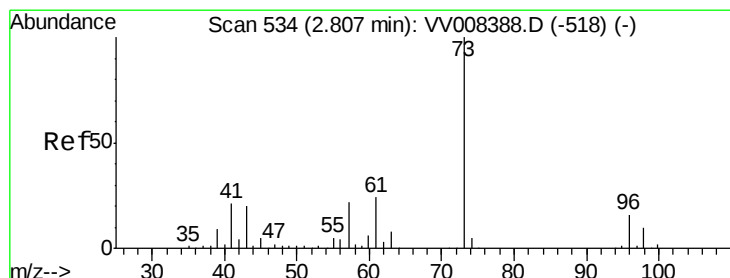
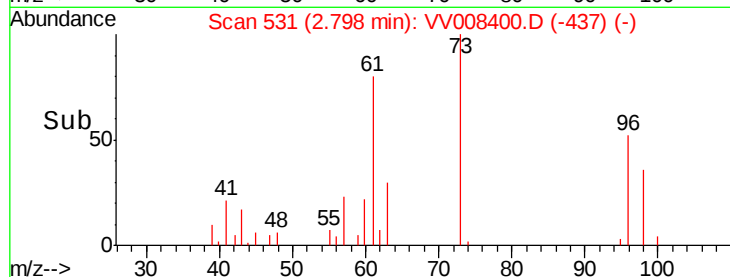
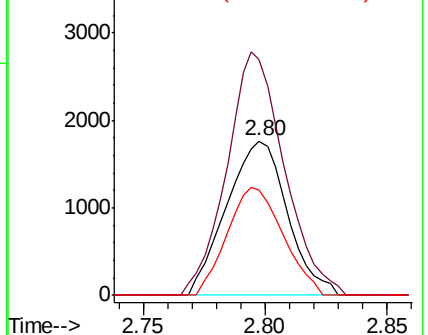
98 68.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008400.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008400.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008400.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 2.280 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

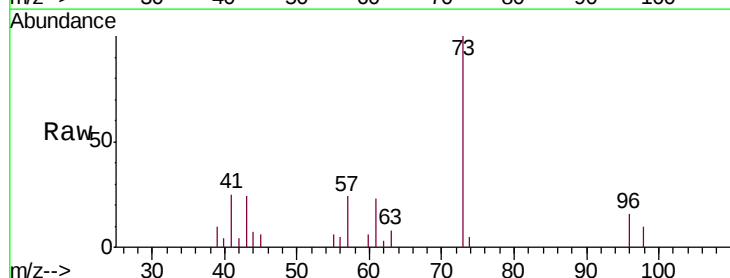
Tgt Ion: 73 Resp: 11010

Ion Ratio Lower Upper

73 100

43 26.3 16.2 24.4#

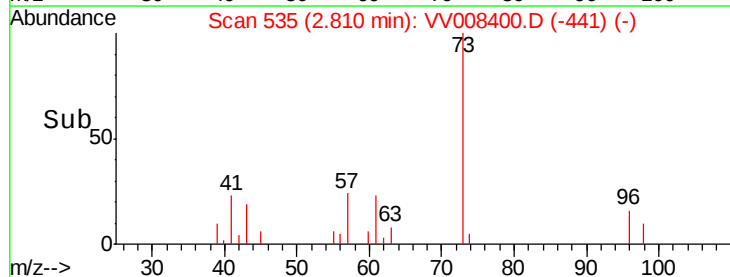
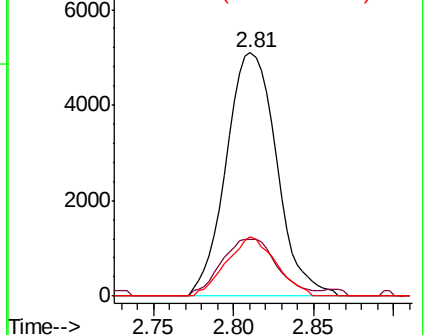
57 23.6 18.2 27.2

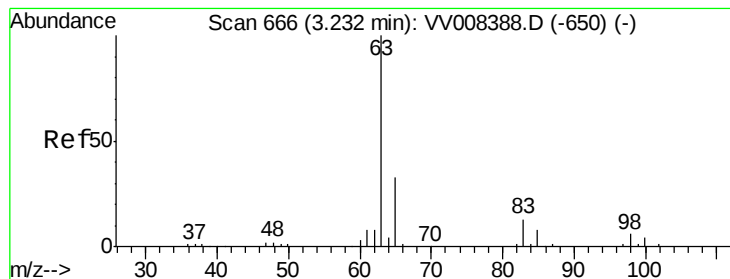


Abundance Ion 73.00 (72.70 to 73.70): VV008400.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008400.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008400.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 2.116 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

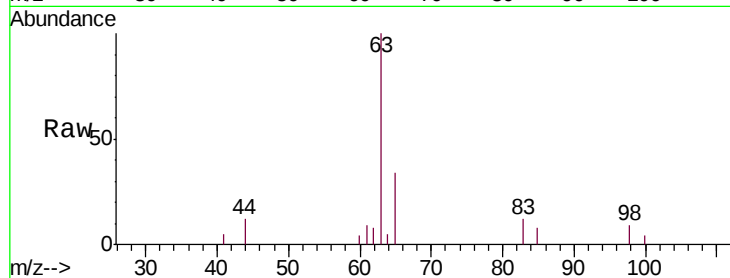
Tgt Ion: 63 Resp: 5889

Ion Ratio Lower Upper

63 100

65 34.1 22.0 40.8

83 12.2 9.3 17.3

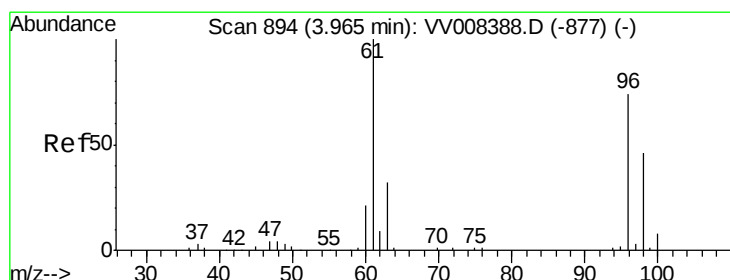
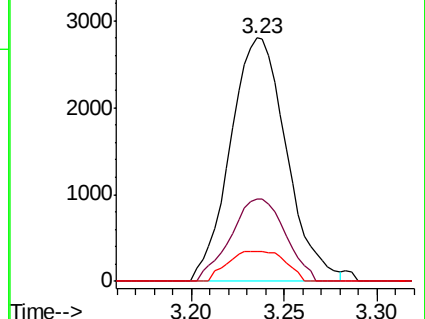
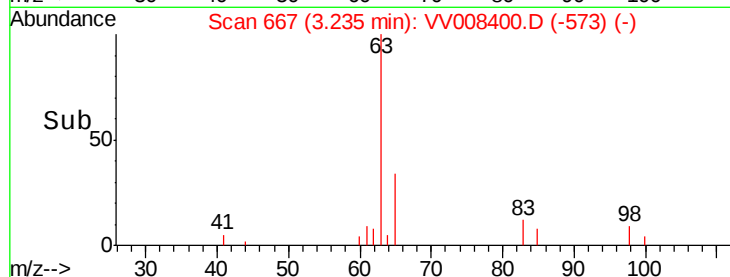


Abundance Ion 63.00 (62.70 to 63.70): VV008400.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV008400.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV008400.D (-650) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.358 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

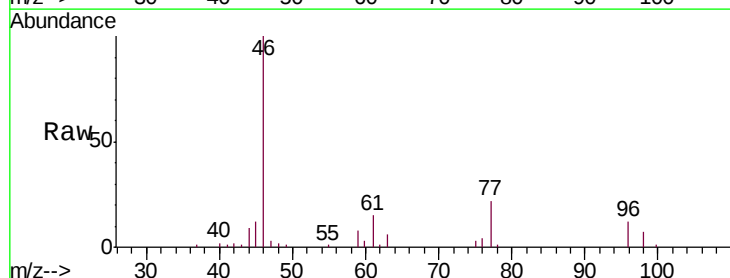
Tgt Ion: 96 Resp: 3624

Ion Ratio Lower Upper

96 100

61 127.3 100.9 187.5

68 0.0 0.0 0.0

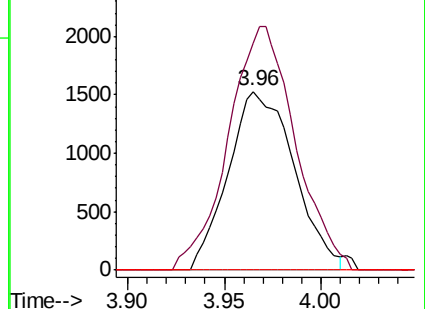
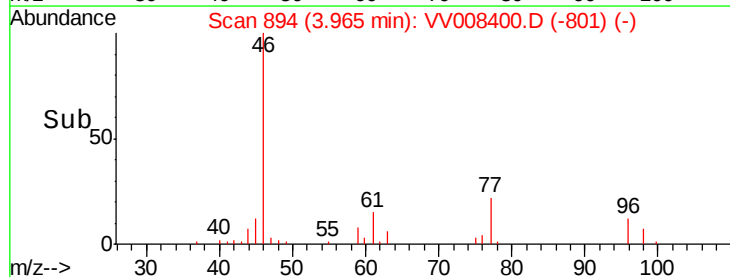


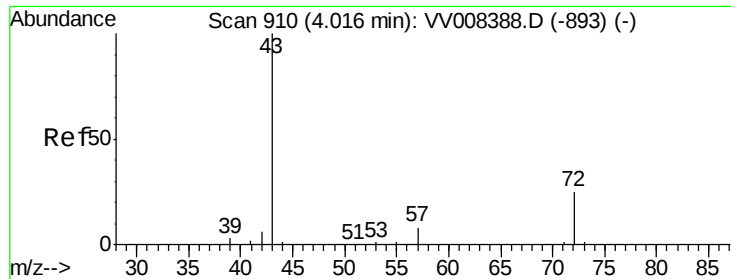
Abundance Ion 96.00 (95.70 to 96.70): VV008400.D (-801) (-)

Ion 61.00 (60.70 to 61.70): VV008400.D (-801) (-)

Ion 68.00 (67.70 to 68.70): VV008400.D (-801) (-)

Time-->





#22

2-Butanone

Concen: 3.630 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

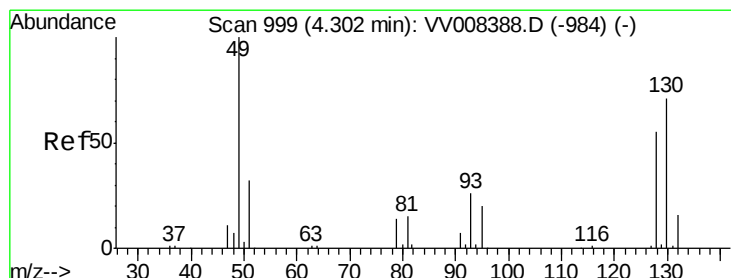
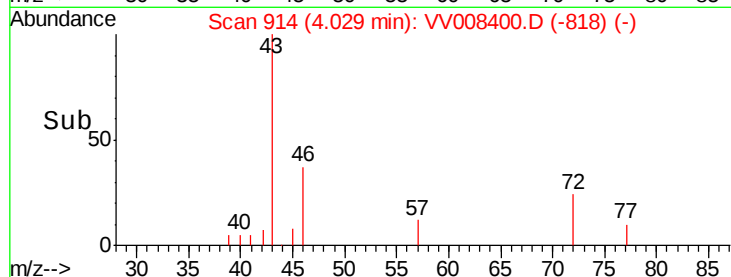
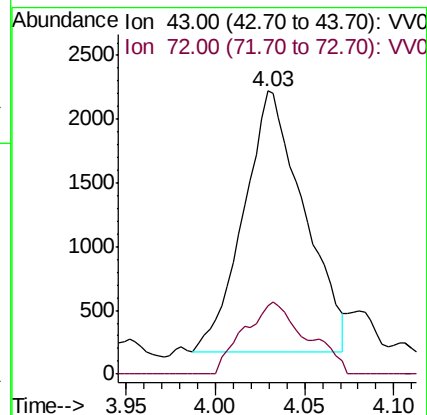
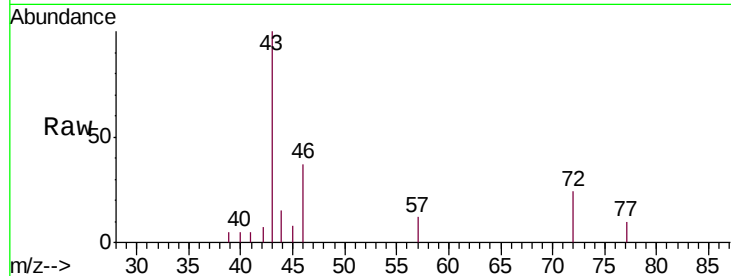
MDL02

Tgt Ion: 43 Resp: 4831

Ion Ratio Lower Upper

43 100

72 23.7 13.0 38.9



#23

Bromochloromethane

Concen: 2.159 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Tgt Ion: 128 Resp: 1565

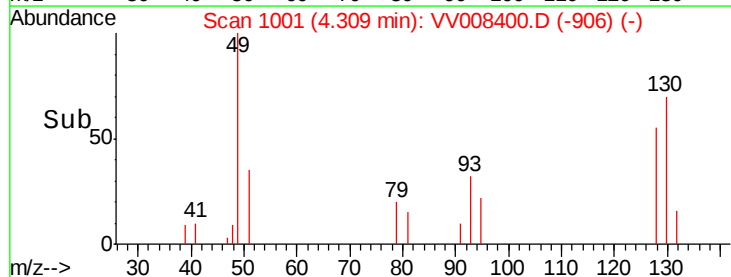
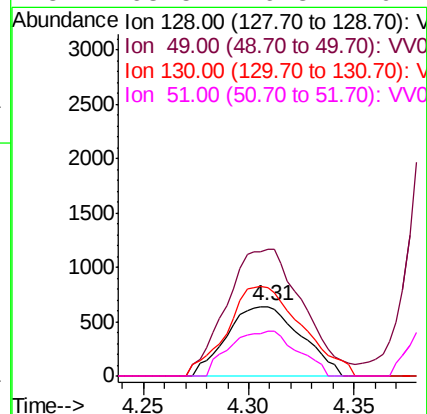
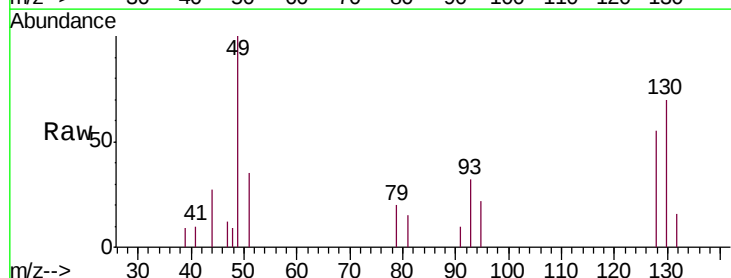
Ion Ratio Lower Upper

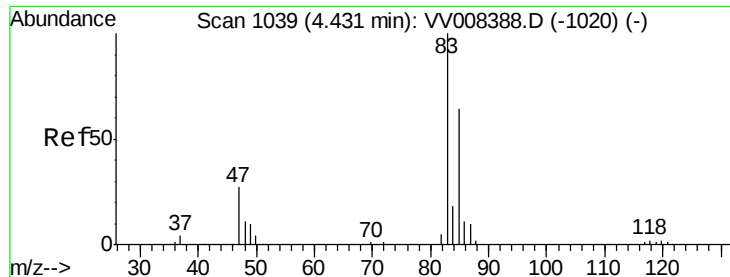
128 100

49 181.7 128.0 237.8

130 126.8 89.2 165.8

51 63.5 46.8 70.2

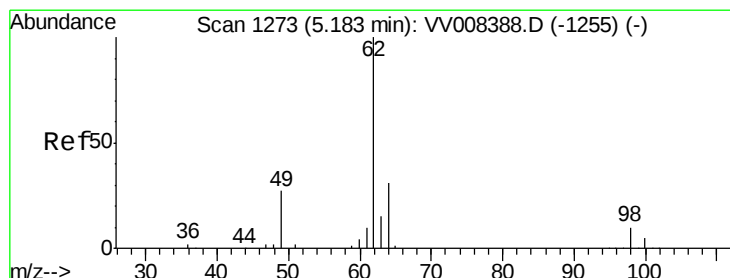
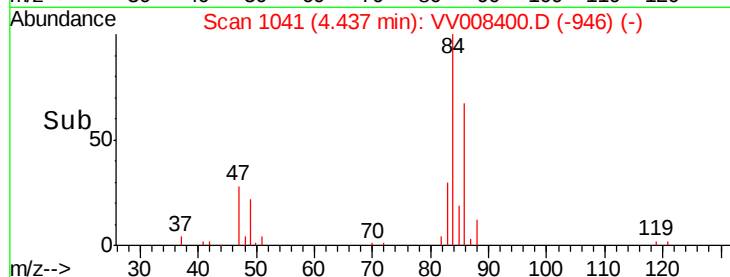
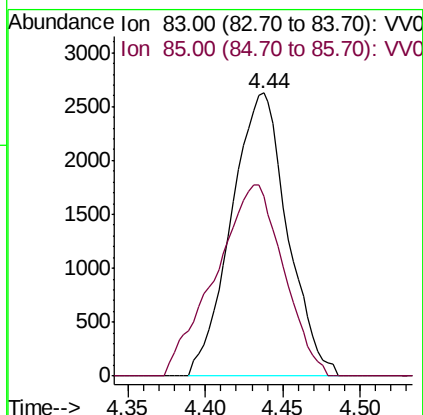
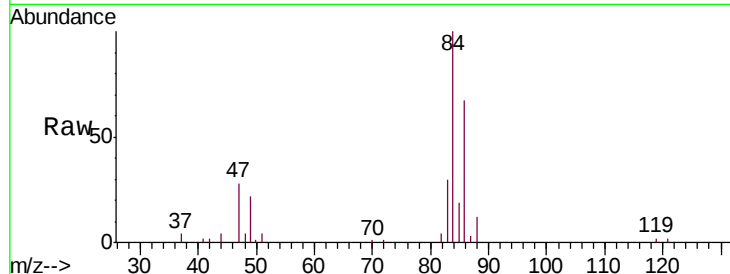




#25
Chloroform
Concen: 2.443 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

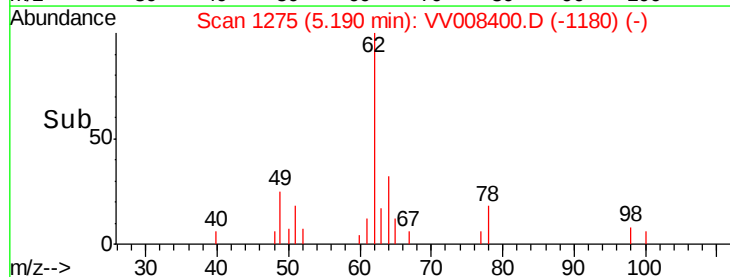
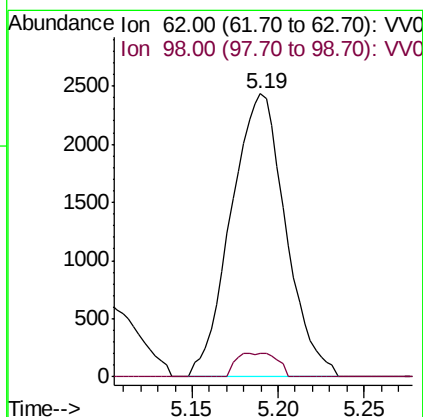
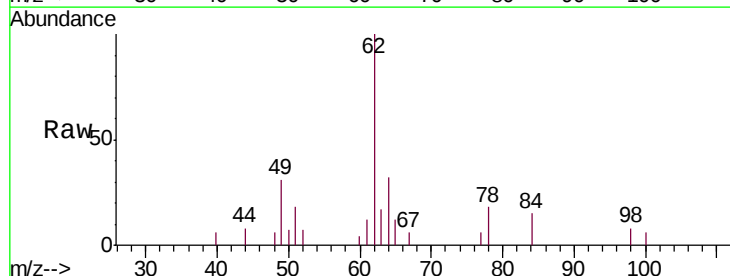
Instrument :
MSVOA_V
ClientSampled :
MDL02

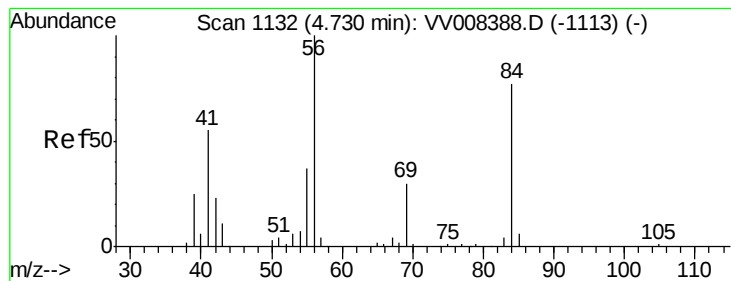
Tgt Ion: 83 Resp: 6635
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.369 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

Tgt Ion: 62 Resp: 5375
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8





#29

Cyclohexane

Concen: 2.362 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

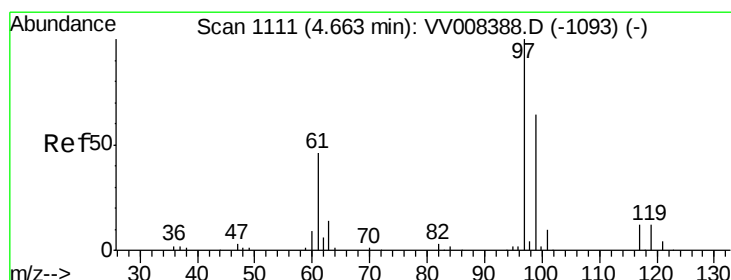
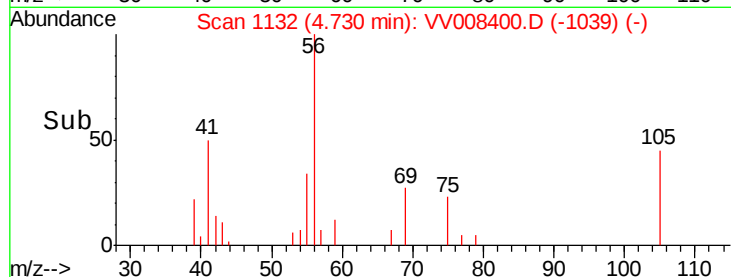
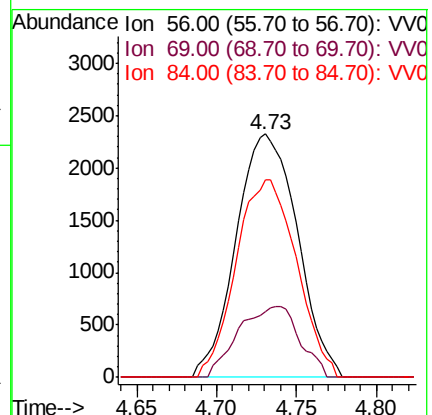
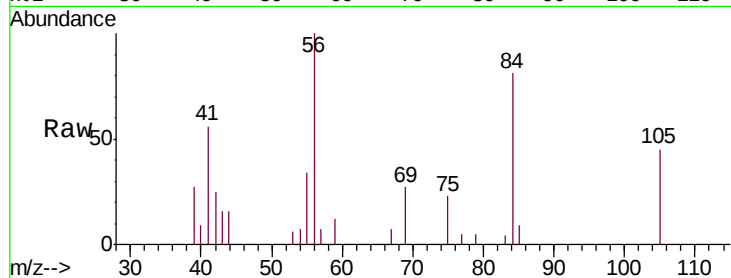
Tgt Ion: 56 Resp: 6117

Ion Ratio Lower Upper

56 100

69 29.0 24.6 37.0

84 79.7 65.0 97.4



#30

1,1,1-Trichloroethane

Concen: 2.318 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

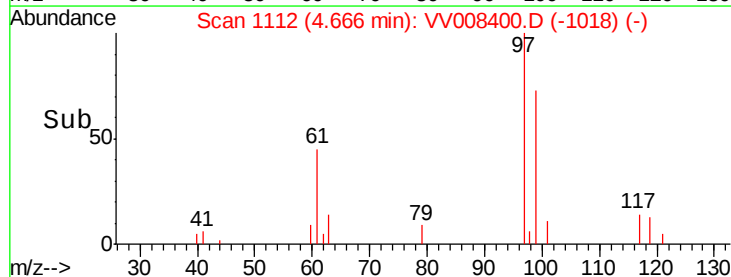
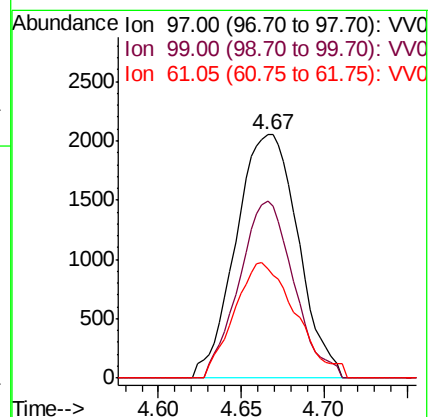
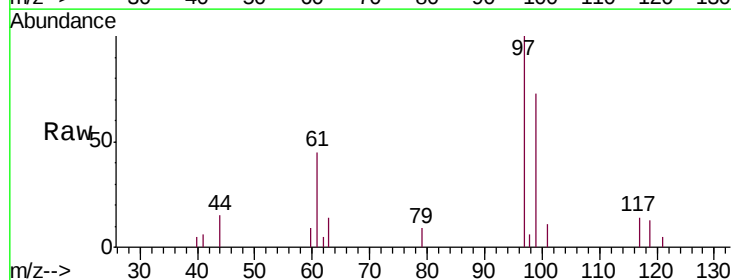
Tgt Ion: 97 Resp: 5345

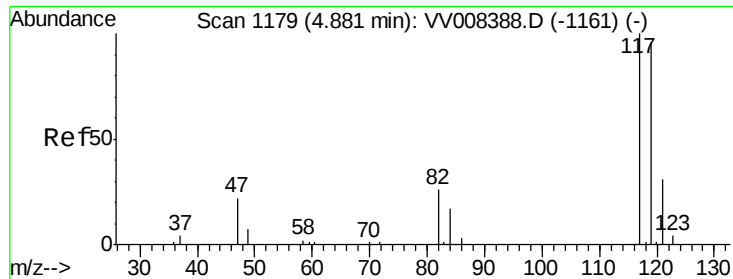
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 46.0 36.5 54.7





#31

Carbon tetrachloride

Concen: 2.179 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

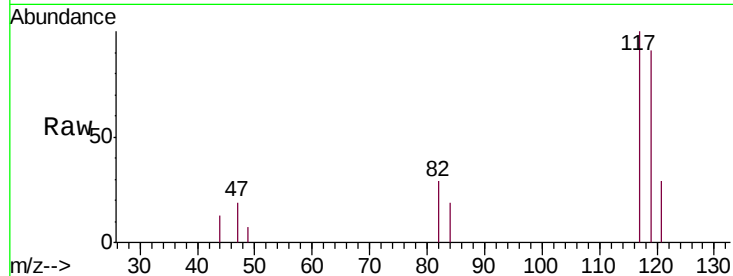
MDL02

Tgt Ion:117 Resp: 4264

Ion Ratio Lower Upper

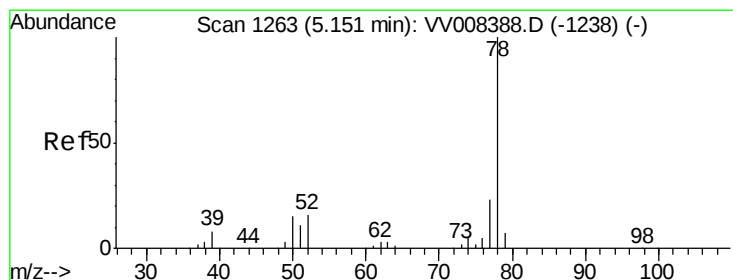
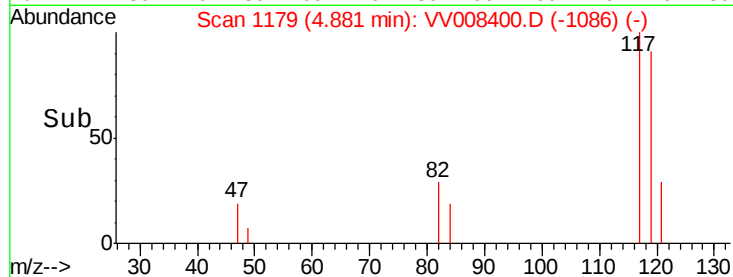
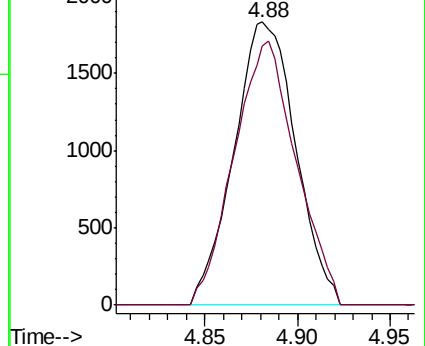
117 100

119 93.6 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: 2.235 ug/L

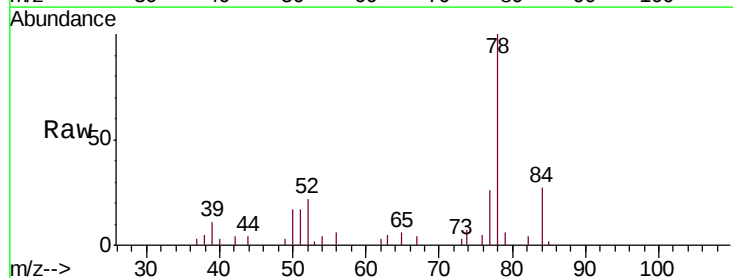
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

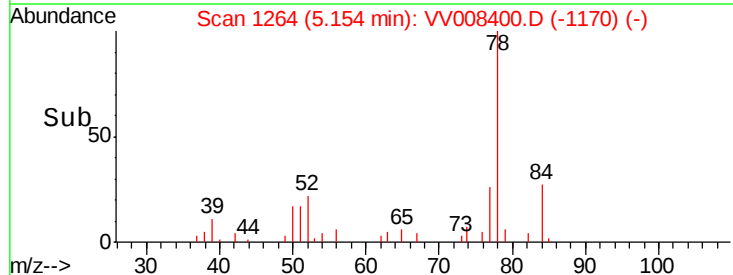
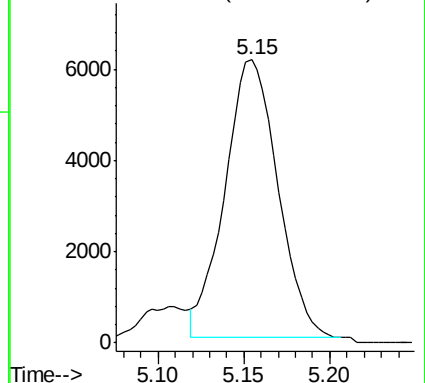
Lab File: VV008400.D

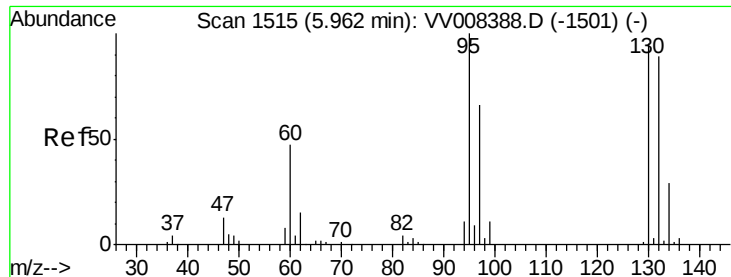
Acq: 24 Oct 2018 18:38

Tgt Ion: 78 Resp: 12991



Abundance Ion 78.00 (77.70 to 78.70): VV0

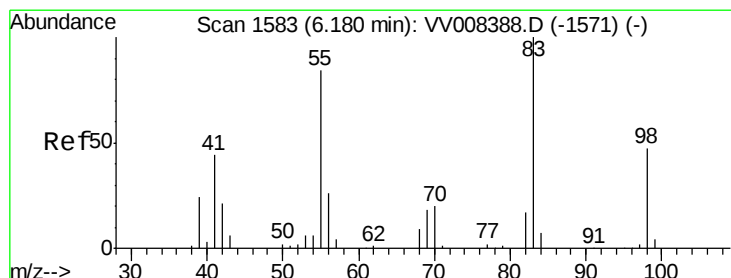
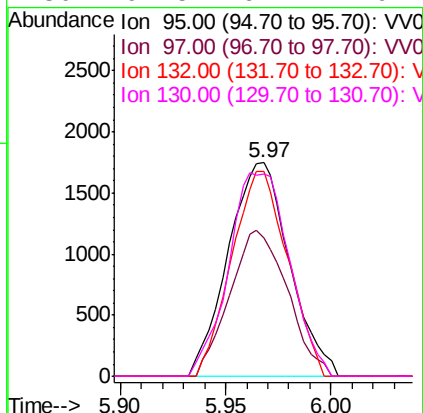
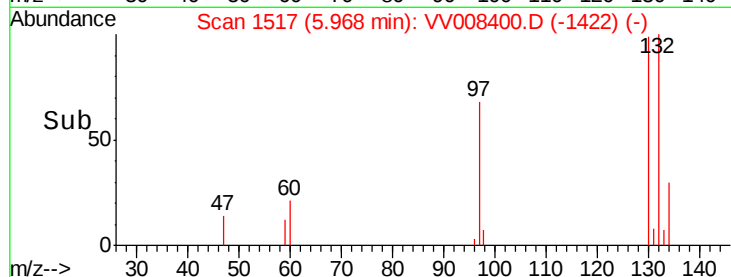
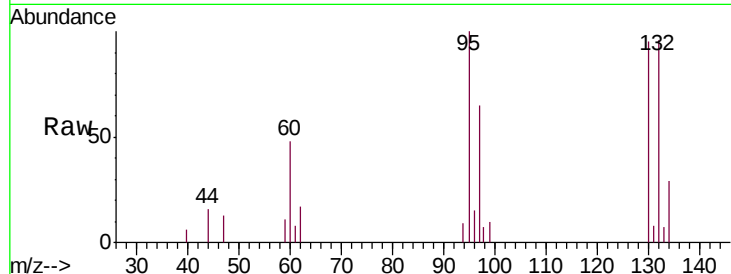




#34
 Trichloroethene
 Concen: 2.369 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

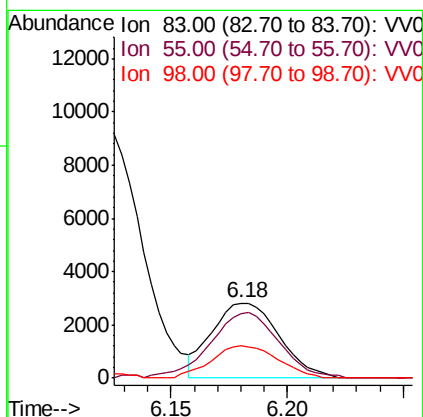
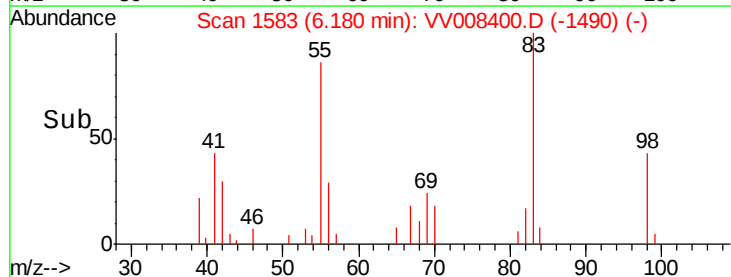
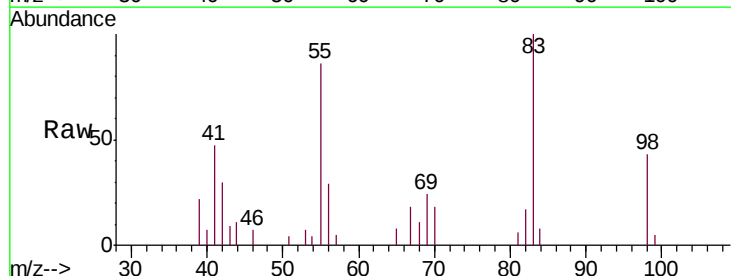
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

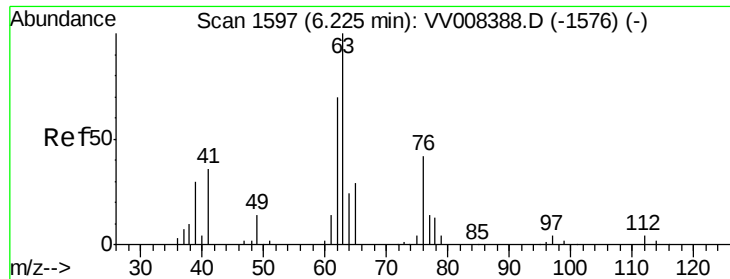
Tgt Ion: 95 Resp: 3526
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.2 84.0
 132 95.9 63.8 118.6
 130 94.5 64.7 120.1



#35
 Methylcyclohexane
 Concen: 2.255 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion: 83 Resp: 5705
 Ion Ratio Lower Upper
 83 100
 55 88.5 65.0 97.4
 98 42.3 36.0 54.0





#37

1,2-Dichloropropane

Concen: 2.399 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

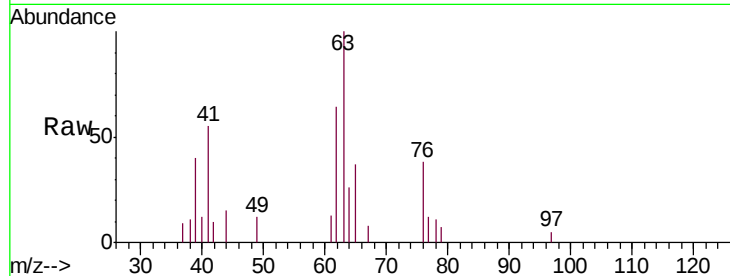
MDL02

Tgt Ion: 63 Resp: 3852

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VV008388.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008388.D (-1576) (-)

6.23

2000

1500

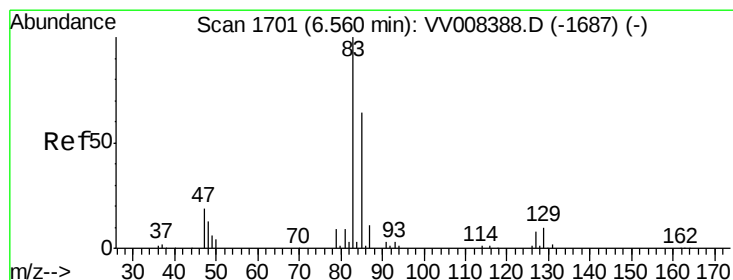
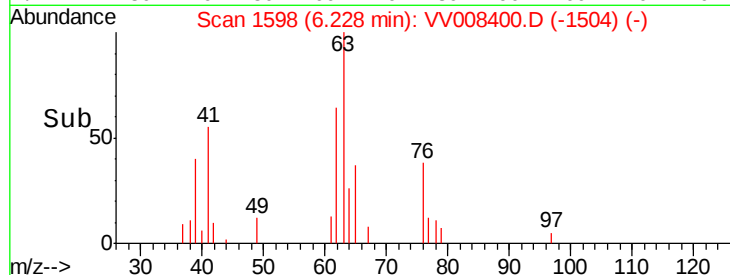
1000

500

0

6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 2.242 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

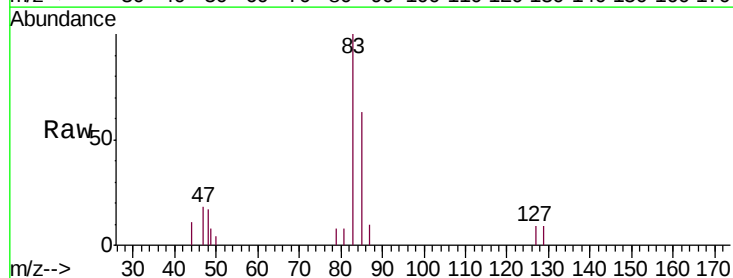
Tgt Ion: 83 Resp: 4587

Ion Ratio Lower Upper

83 100

85 63.1 44.3 82.3

127 9.3 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV008388.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008388.D (-1687) (-)

Ion 127.00 (126.70 to 127.70): VV008388.D (-1687) (-)

6.56

3000

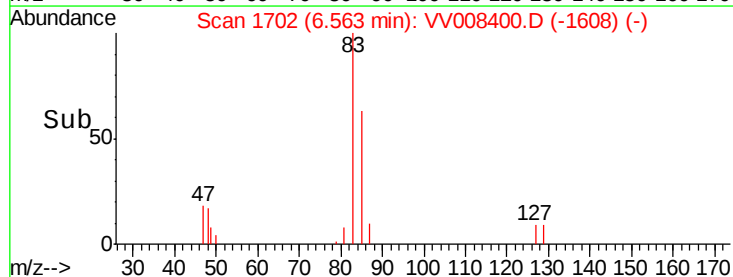
2000

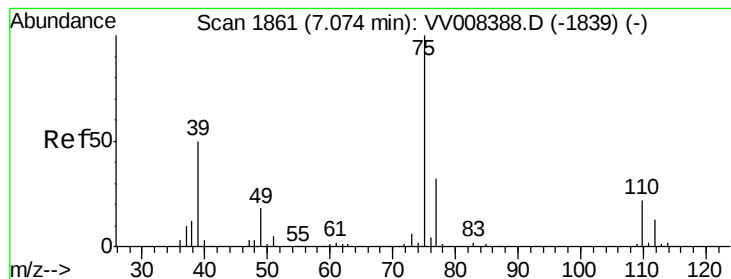
1000

0

6.50 6.55 6.60

Time-->



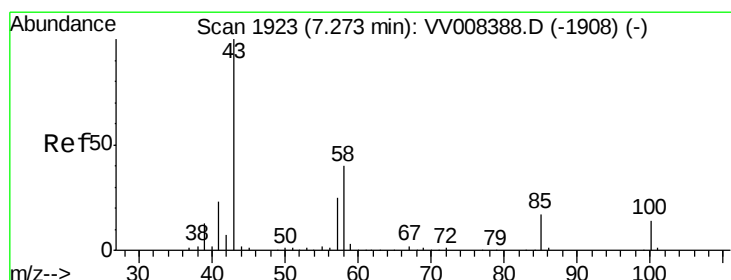
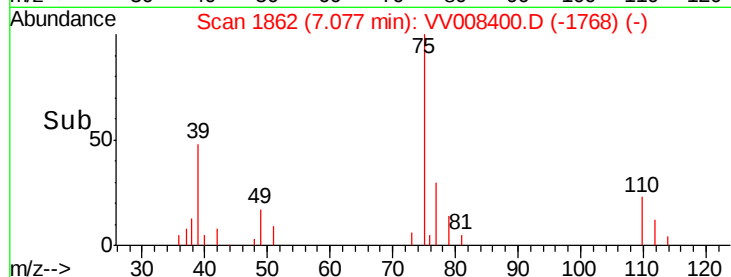
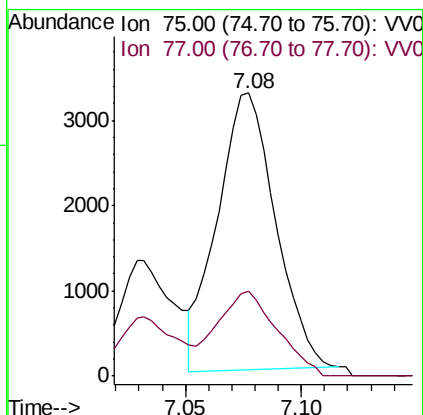
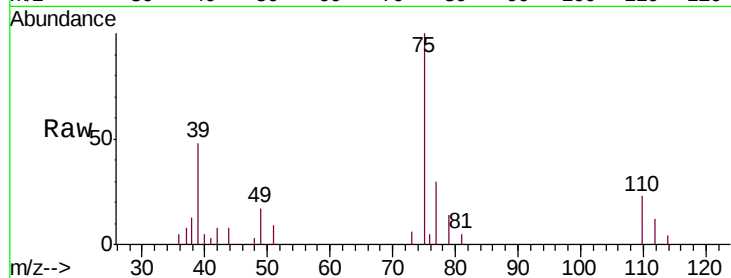


#39

cis-1,3-Dichloropropene
 Concen: 2.245 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

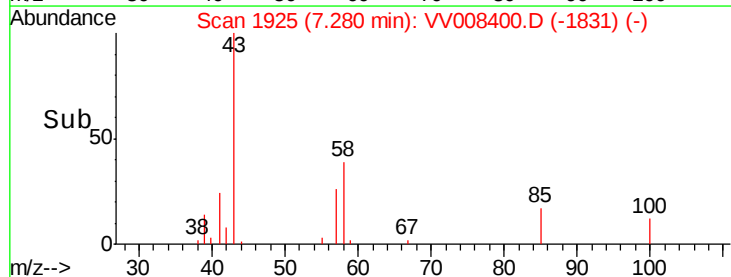
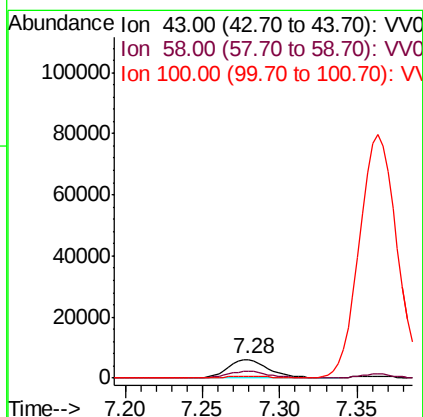
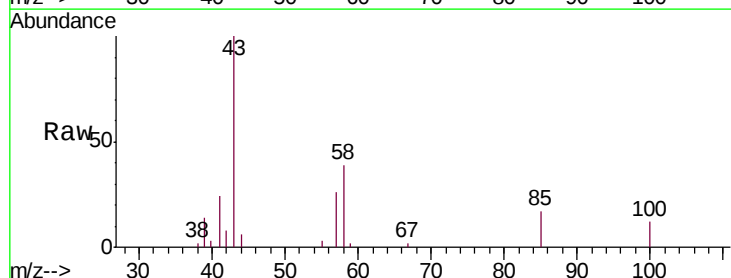
Tgt Ion: 75 Resp: 5667
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.6 42.0

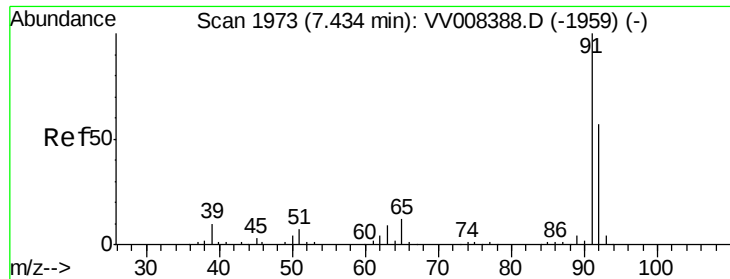


#40

4-Methyl-2-pentanone
 Concen: 4.806 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion: 43 Resp: 11427
 Ion Ratio Lower Upper
 43 100
 58 36.0 30.9 46.3
 100 10.9 10.9 16.3#





#42

Toluene

Concen: 2.398 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

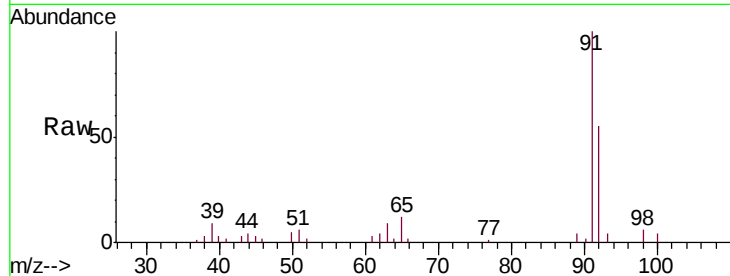
MDL02

Tgt Ion: 91 Resp: 14482

Ion Ratio Lower Upper

91 100

92 55.5 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) (-)

7.44

8000

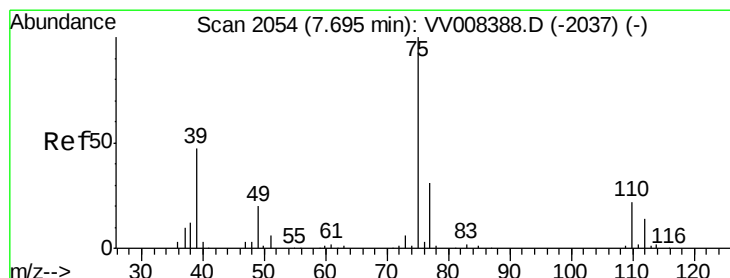
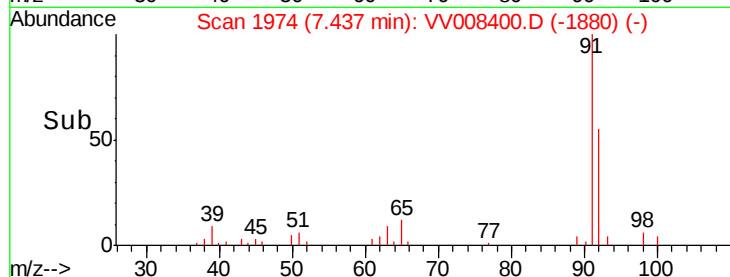
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.422 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008400.D

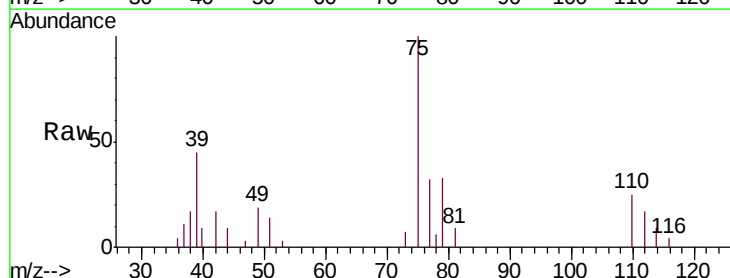
Acq: 24 Oct 2018 18:38

Tgt Ion: 75 Resp: 5719

Ion Ratio Lower Upper

75 100

77 32.3 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) (-)

7.70

4000

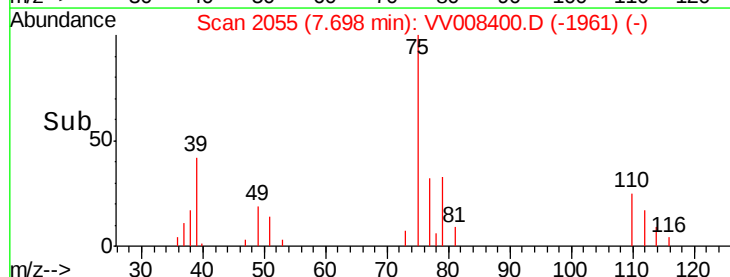
3000

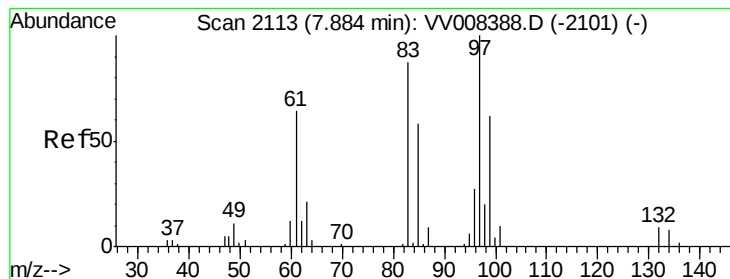
2000

1000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 2.125 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 97 Resp: 3016

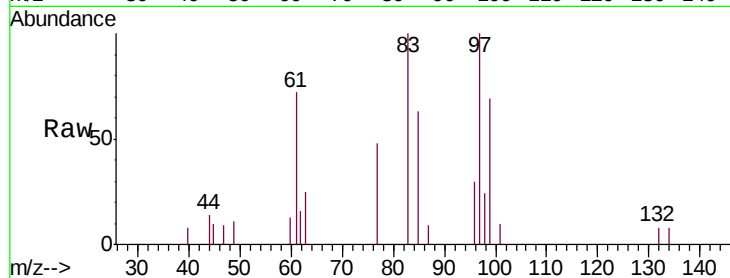
Ion Ratio Lower Upper

97 100

99 68.7 43.3 80.3

83 99.7 61.9 114.9

85 63.1 40.9 75.9

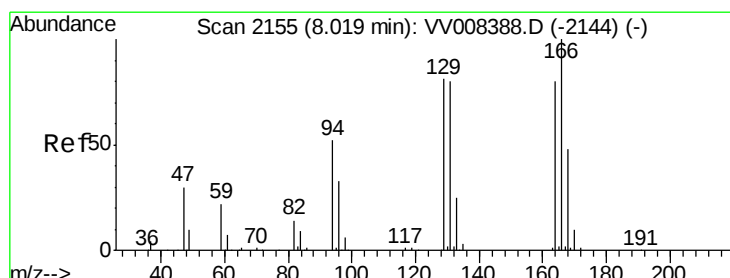
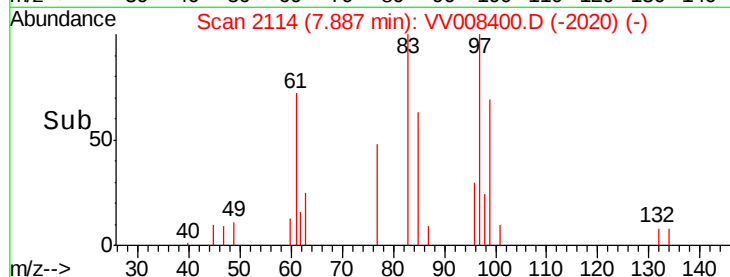
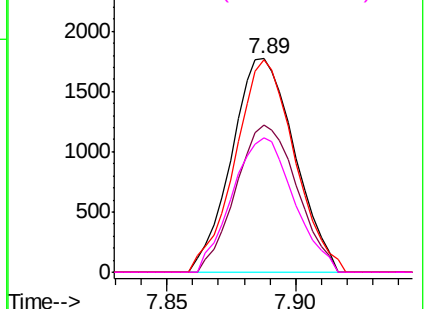


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 2.508 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Tgt Ion: 164 Resp: 2433

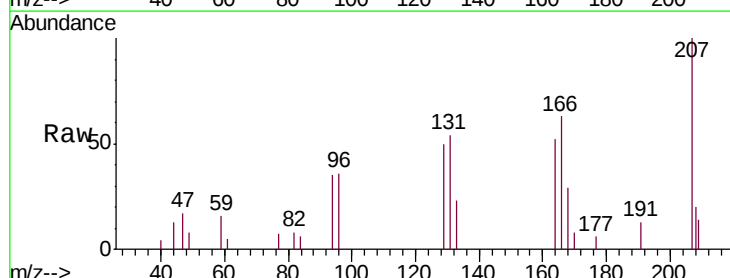
Ion Ratio Lower Upper

164 100

129 96.2 75.0 139.2

131 103.6 71.3 132.3

166 120.6 89.2 165.6

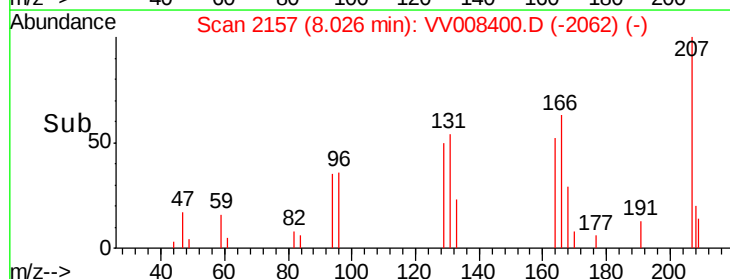
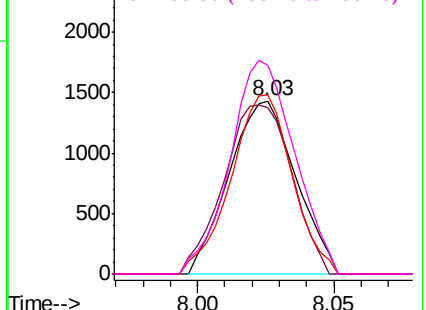


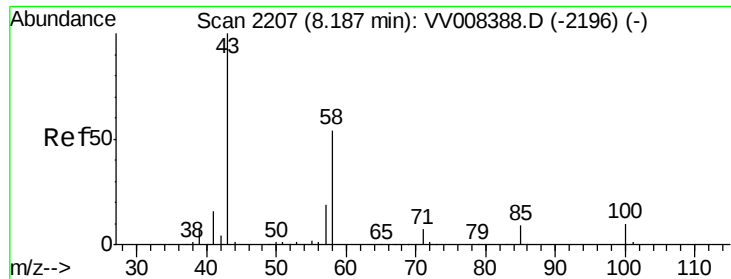
Abundance Ion 164.00 (163.70 to 164.70): V

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

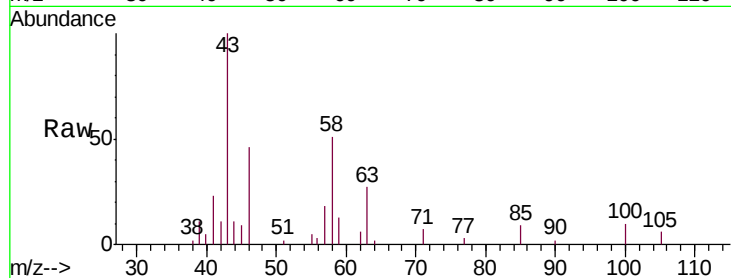




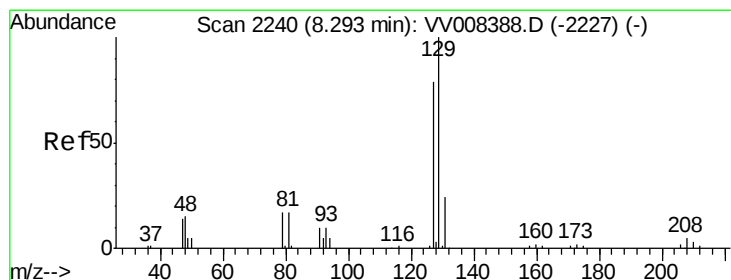
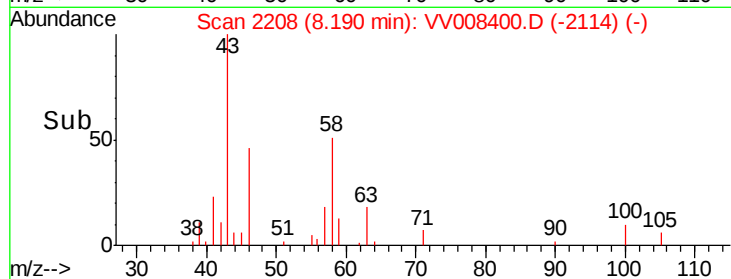
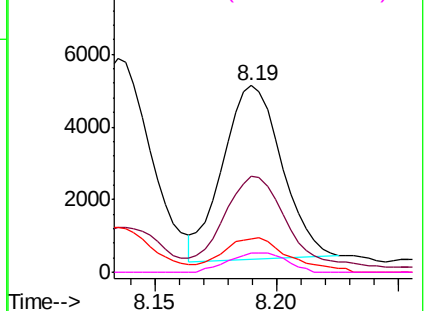
#48
2-Hexanone
Concen: 4.398 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 8069
Ion Ratio Lower Upper
43 100
58 63.0 42.6 63.8
57 22.6 14.8 22.2#
100 11.0 8.5 12.7

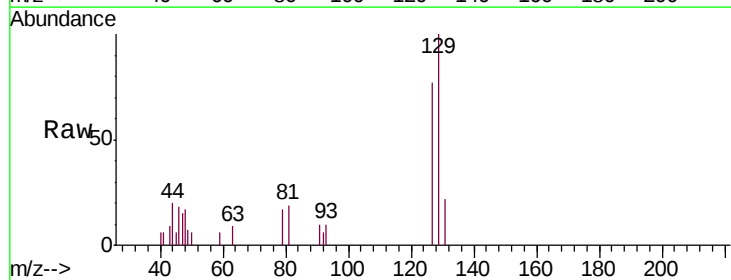


Abundance Ion 43.00 (42.70 to 43.70): VV008400.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV008400.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV008400.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV008400.D (-2196) (-)

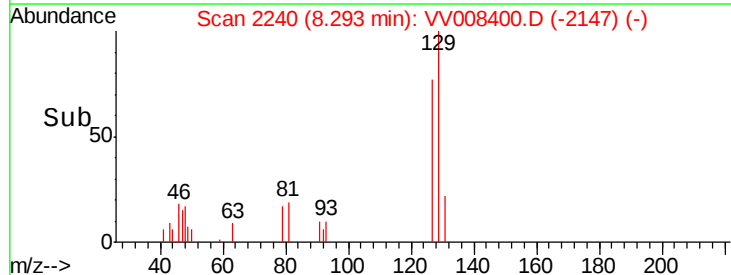
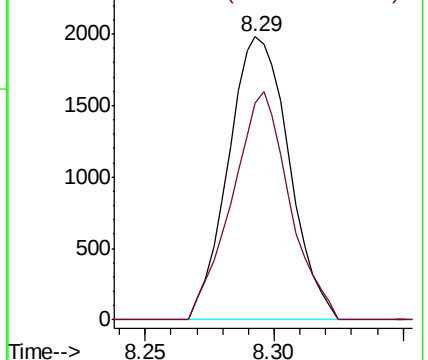


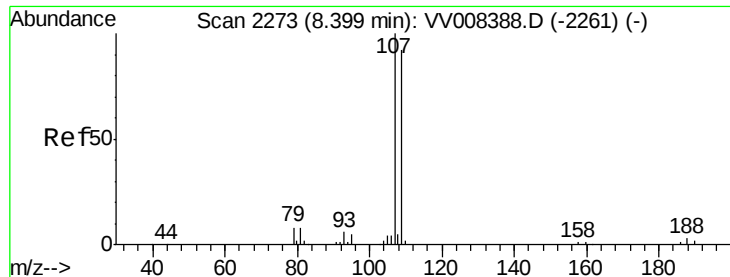
#49
Dibromochloromethane
Concen: 2.125 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

Tgt Ion: 129 Resp: 3241
Ion Ratio Lower Upper
129 100
127 76.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008400.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV008400.D (-2227) (-)

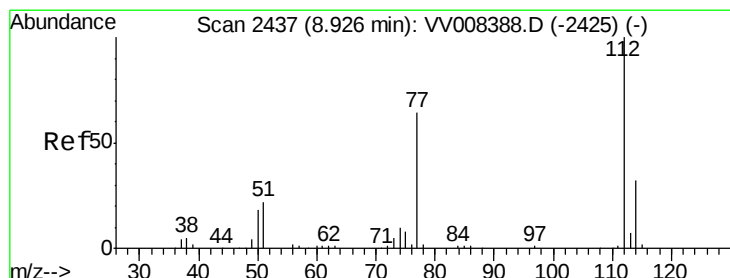
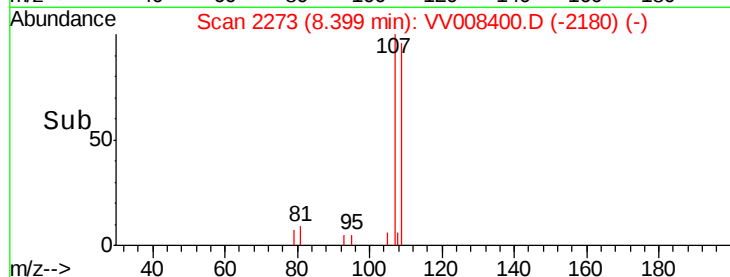
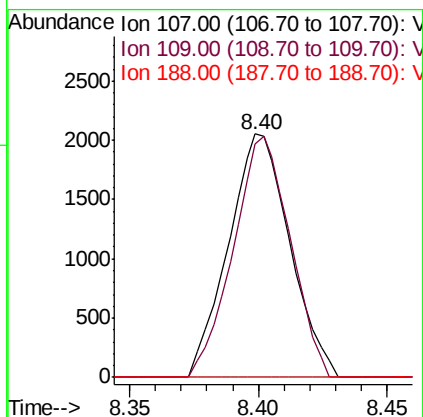
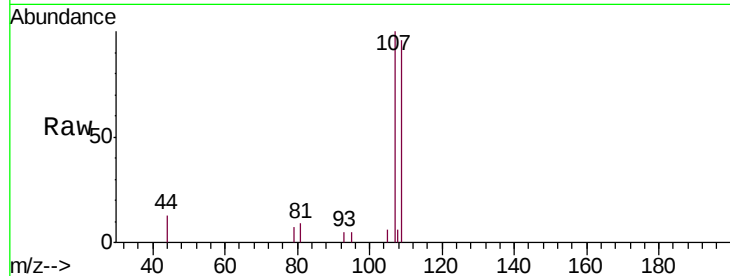




#50
1,2-Dibromoethane
Concen: 2.284 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

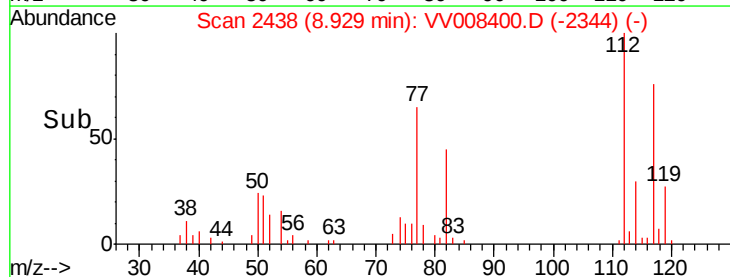
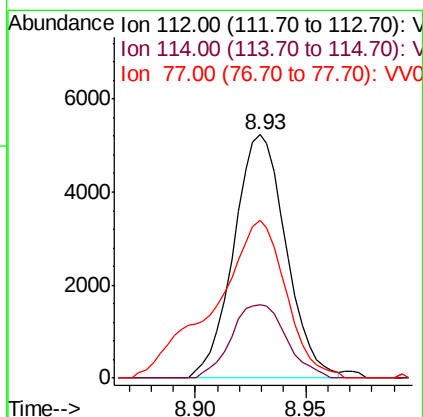
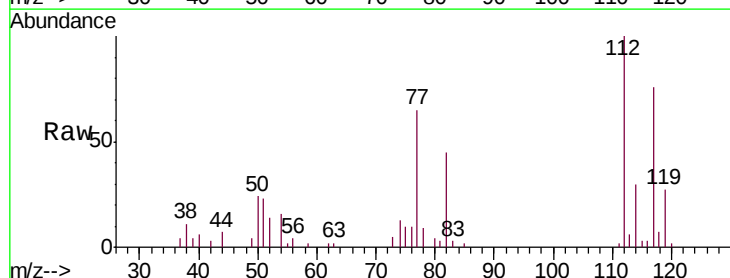
Instrument :
MSVOA_V
ClientSampled :
MDL02

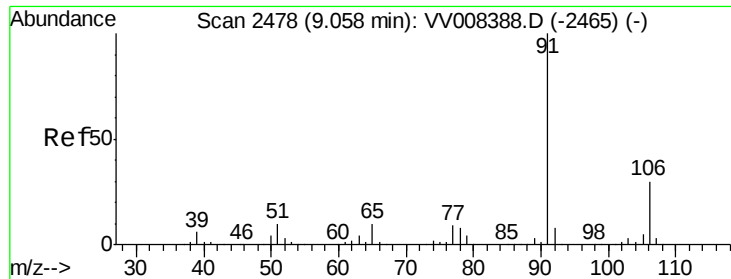
Tgt Ion:107 Resp: 3401
Ion Ratio Lower Upper
107 100
109 96.0 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 2.321 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008400.D
Acq: 24 Oct 2018 18:38

Tgt Ion:112 Resp: 8631
Ion Ratio Lower Upper
112 100
114 30.0 22.5 41.7
77 65.0 52.0 78.0





#52

Ethylbenzene

Concen: 2.244 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

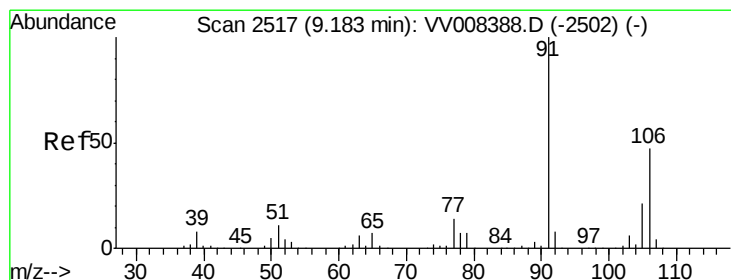
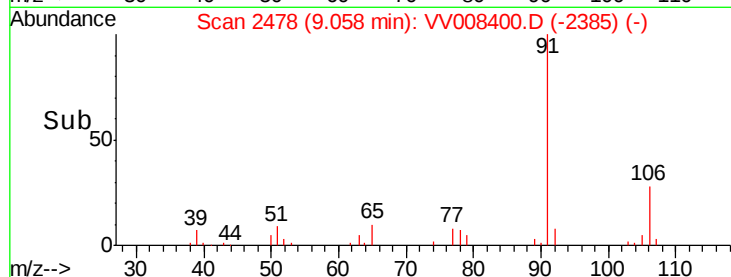
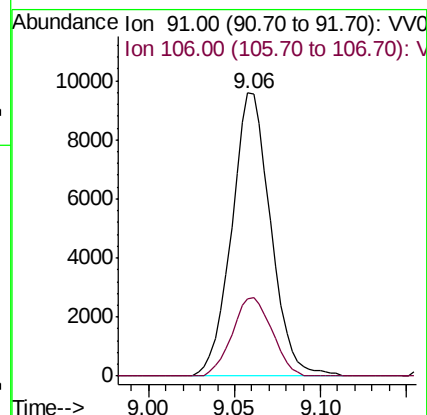
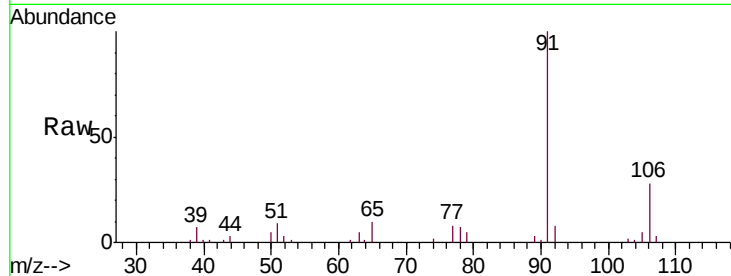
MDL02

Tgt Ion: 91 Resp: 15175

Ion Ratio Lower Upper

91 100

106 27.5 21.3 39.5



#53

m,p-Xylene

Concen: 2.269 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008400.D

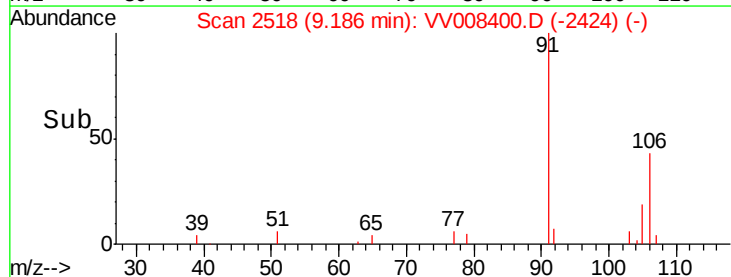
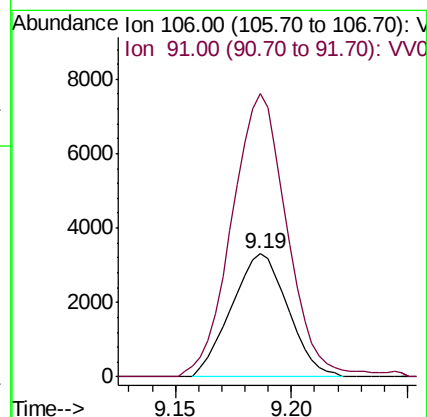
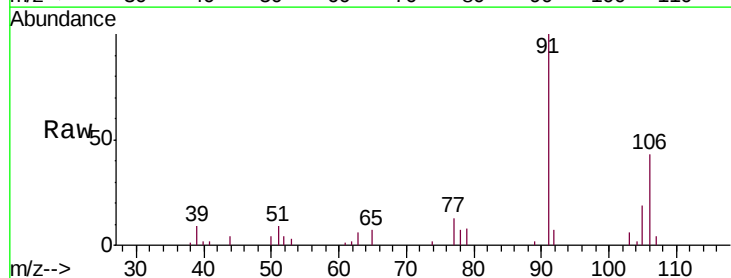
Acq: 24 Oct 2018 18:38

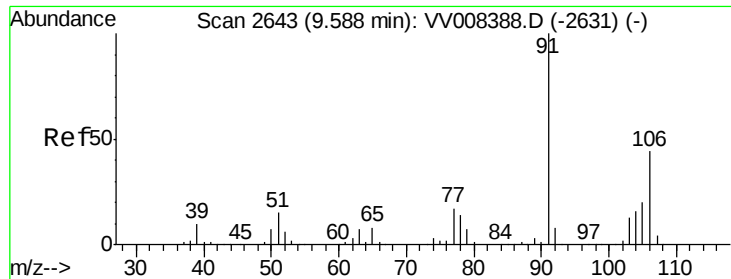
Tgt Ion: 106 Resp: 5607

Ion Ratio Lower Upper

106 100

91 230.0 150.0 278.6





#54

o-xylene

Concen: 2.216 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampled :

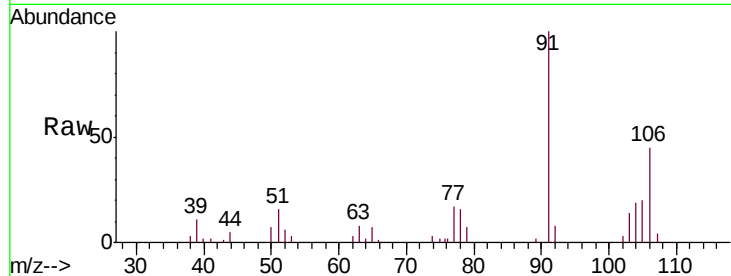
MDL02

Tgt Ion:106 Resp: 5469

Ion Ratio Lower Upper

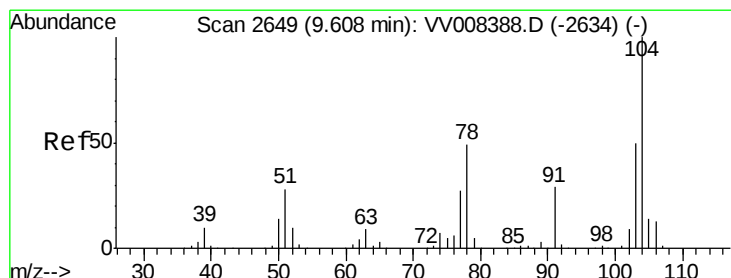
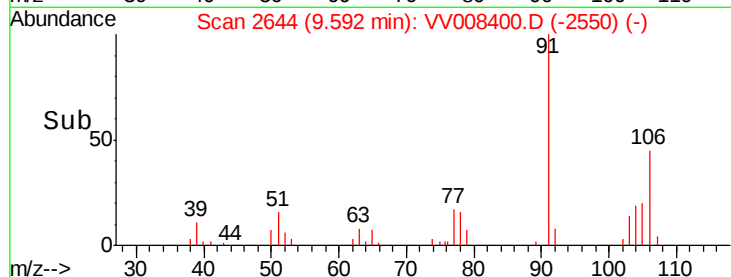
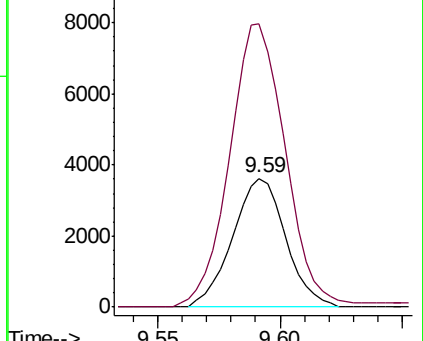
106 100

91 220.1 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.188 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008400.D

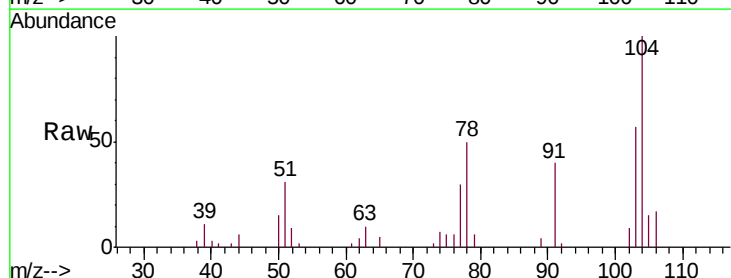
Acq: 24 Oct 2018 18:38

Tgt Ion:104 Resp: 9098

Ion Ratio Lower Upper

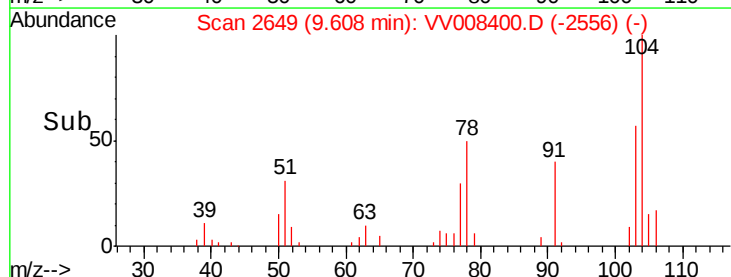
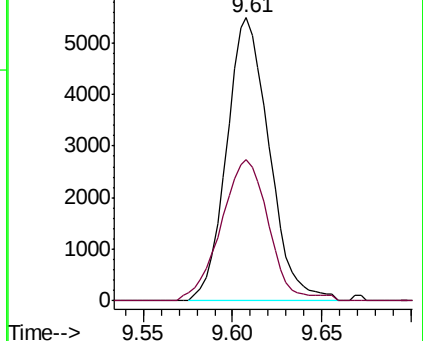
104 100

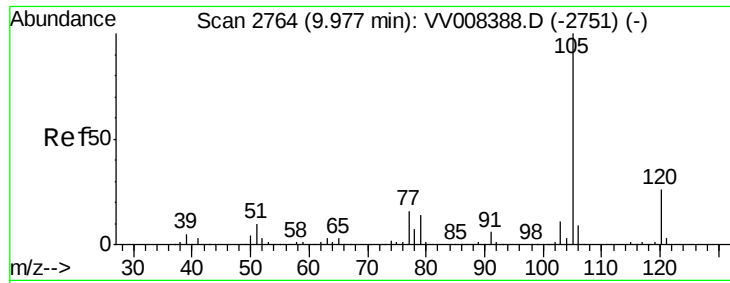
78 49.8 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.144 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

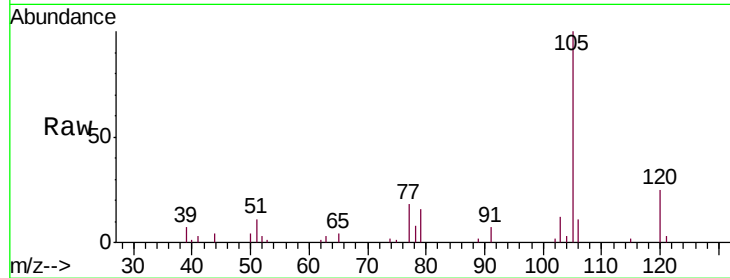
Tgt Ion: 105 Resp: 13844

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

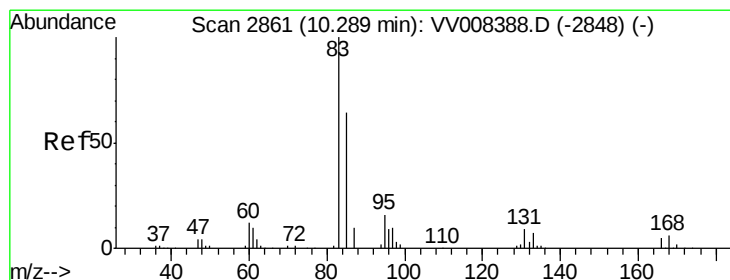
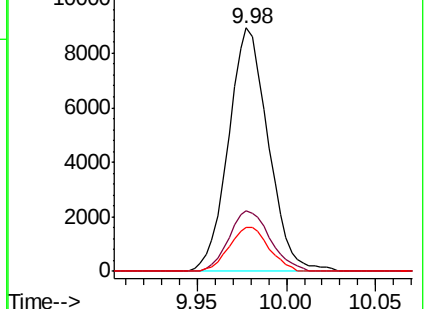
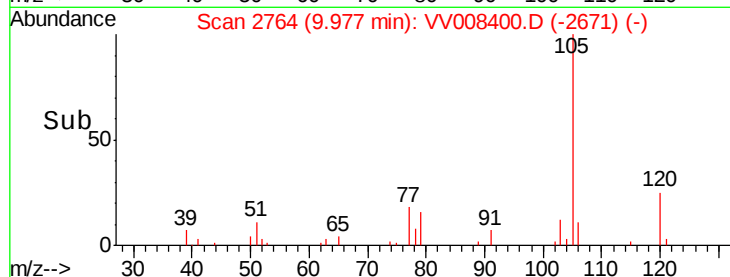
77 18.0 13.5 20.3



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: 2.577 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

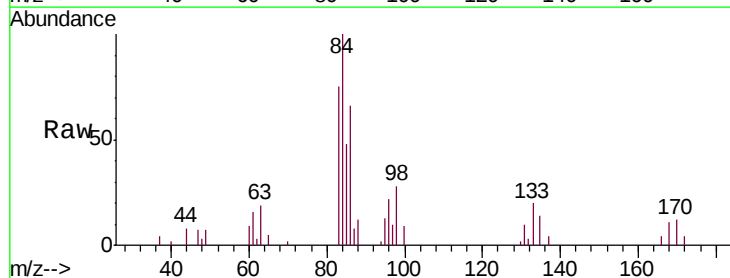
Tgt Ion: 83 Resp: 6406

Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.2

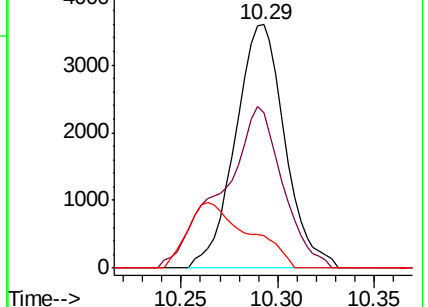
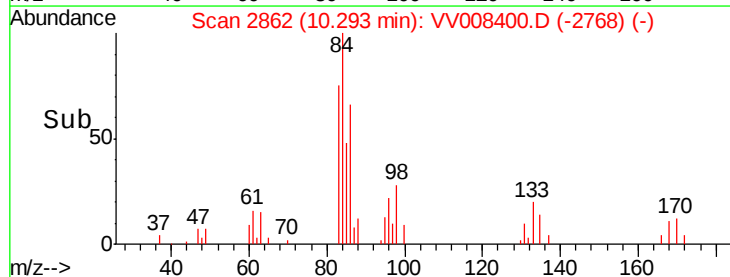
131 13.2 7.3 10.9#

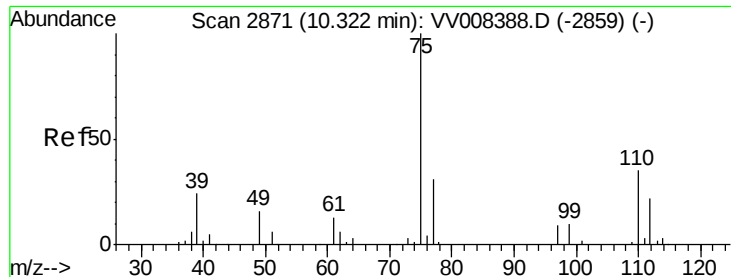


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

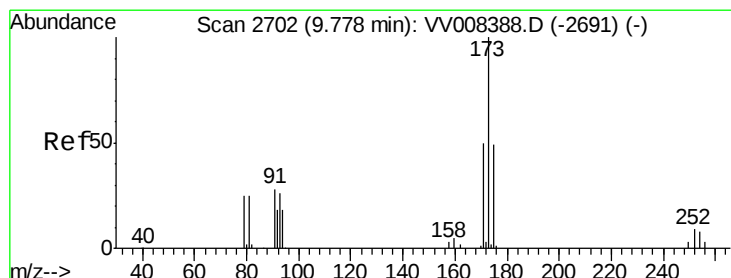
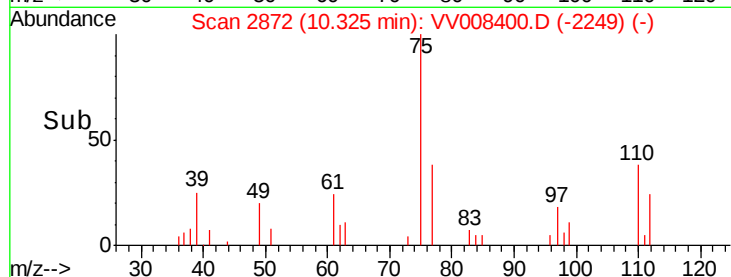
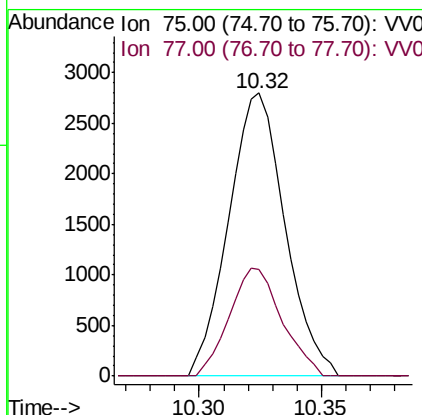
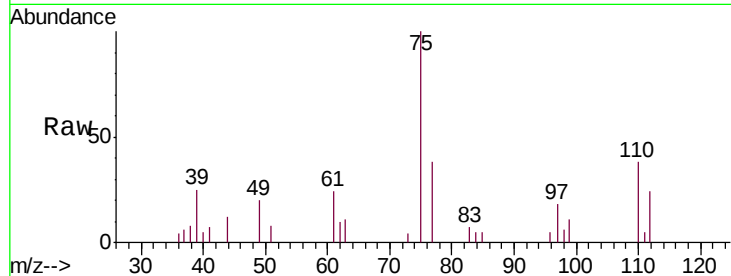




#59
 1,2,3-Trichloropropane
 Concen: 2.229 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

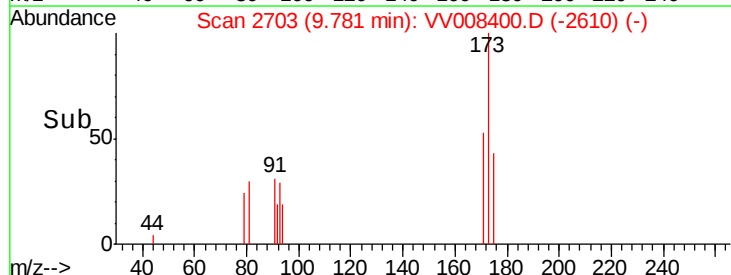
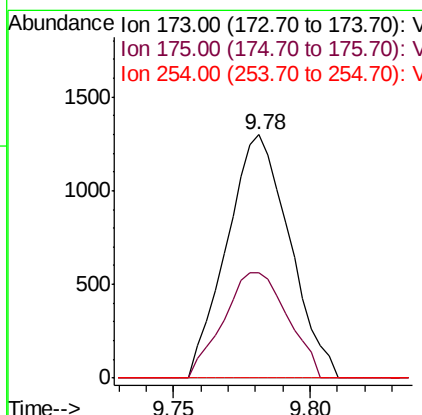
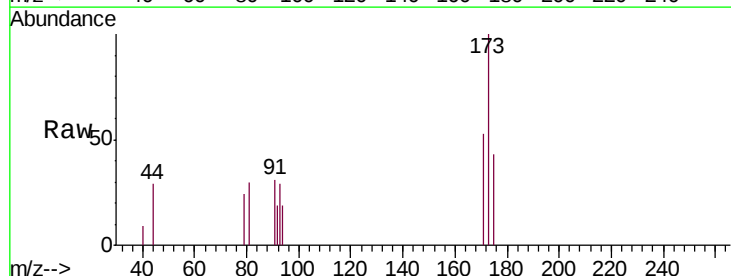
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

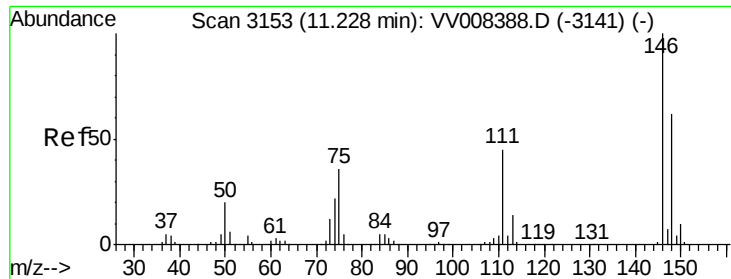
Tgt Ion: 75 Resp: 4485
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.8 38.8



#61
 Bromoform
 Concen: 2.140 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion: 173 Resp: 2072
 Ion Ratio Lower Upper
 173 100
 175 44.5 38.6 57.8
 254 0.0 5.9 8.9#

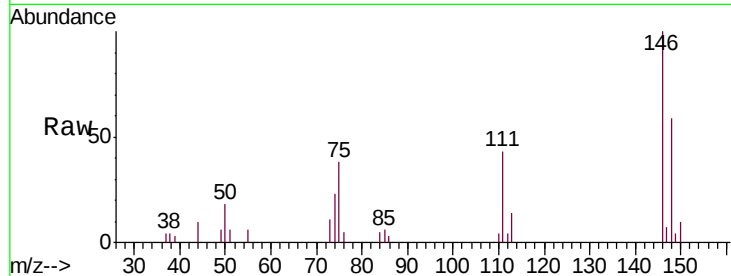




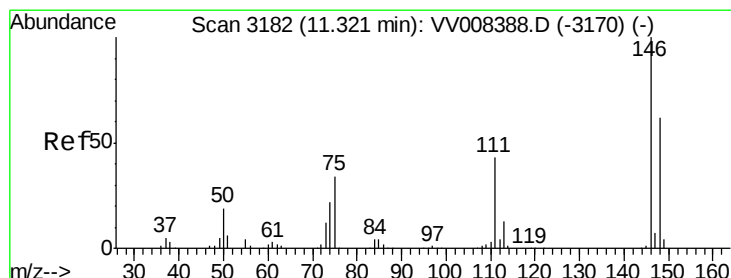
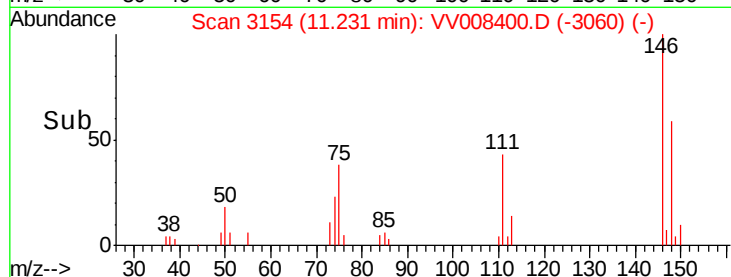
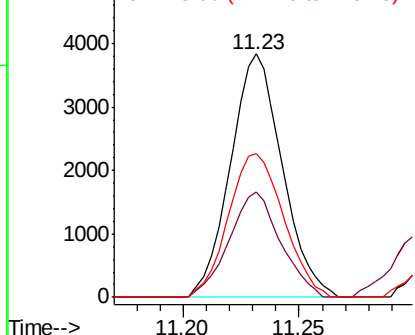
#62
 1,3-Dichlorobenzene
 Concen: 2.343 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:146 Resp: 5942
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.9 57.3
 148 59.1 44.1 81.9

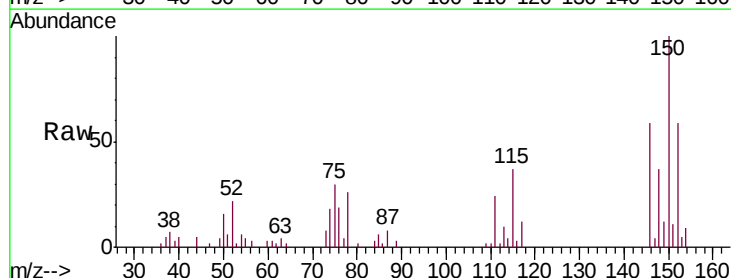


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

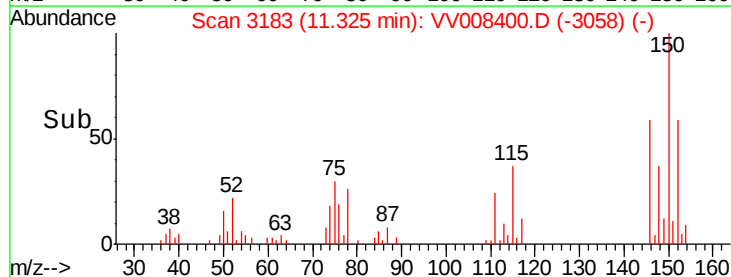
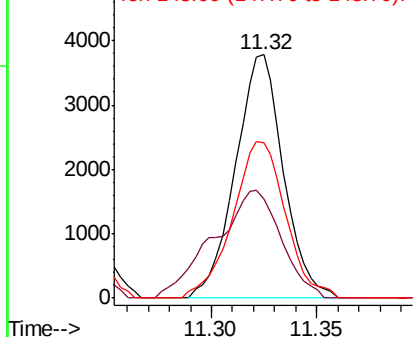


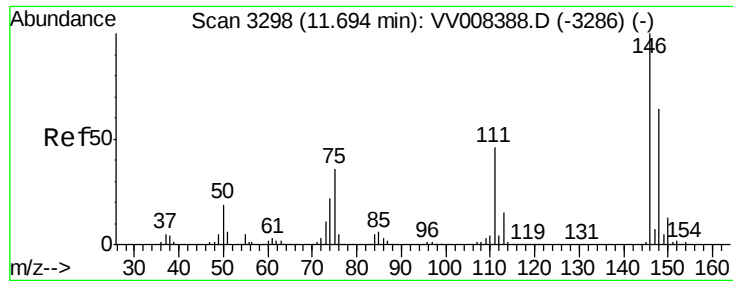
#63
 1,4-Dichlorobenzene
 Concen: 2.351 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion:146 Resp: 5978
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.8 55.4
 148 63.9 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: 2.443 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

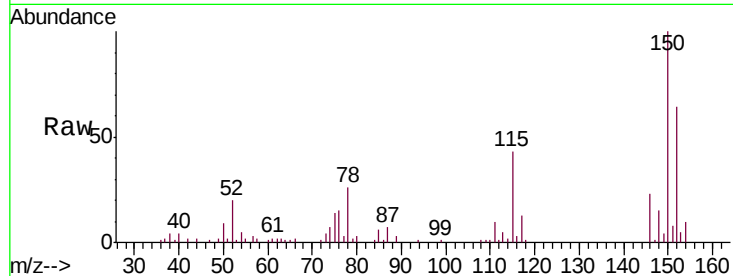
Tgt Ion:146 Resp: 6319

Ion Ratio Lower Upper

146 100

111 44.4 36.2 54.2

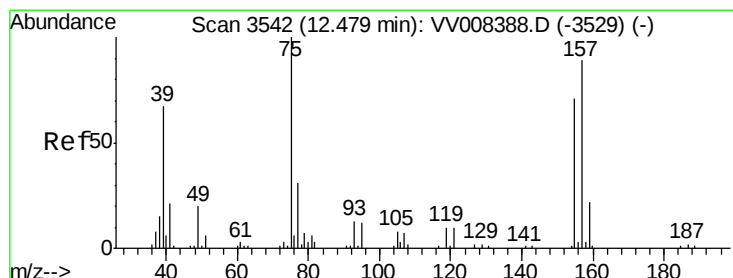
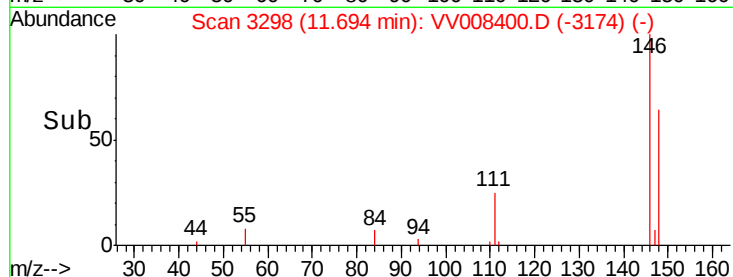
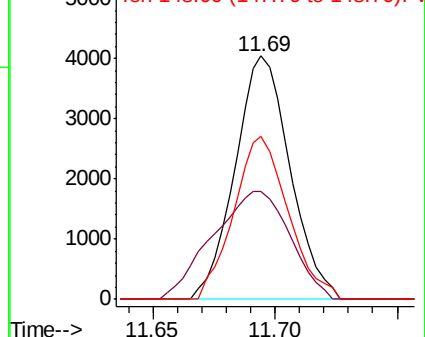
148 66.9 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.914 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

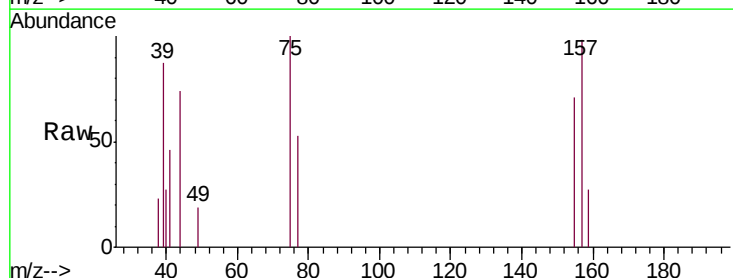
Tgt Ion: 75 Resp: 1018

Ion Ratio Lower Upper

75 100

155 70.8 55.4 83.0

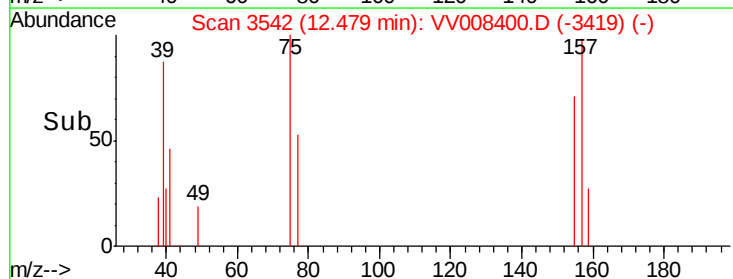
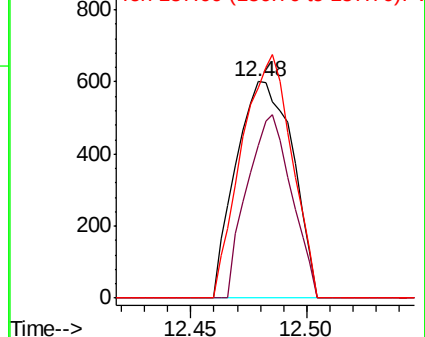
157 97.5 72.8 109.2

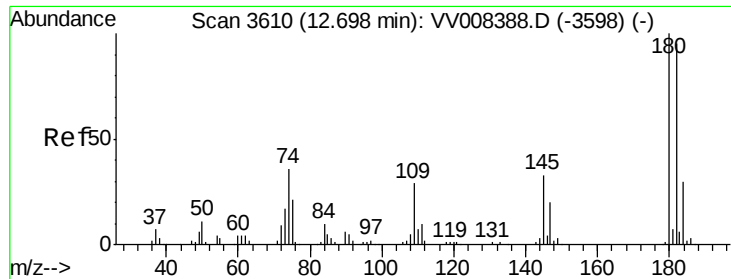


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

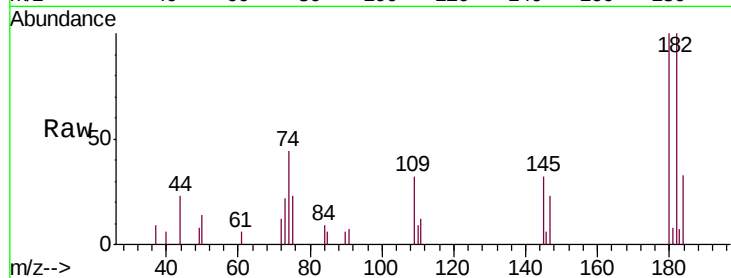




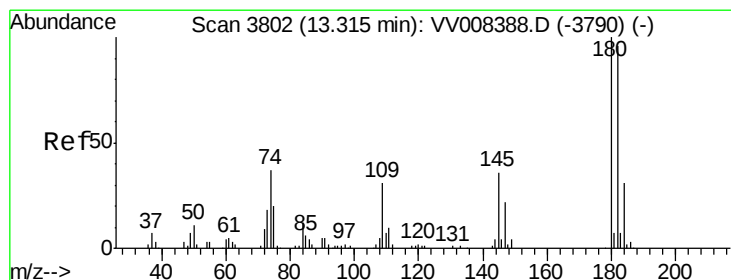
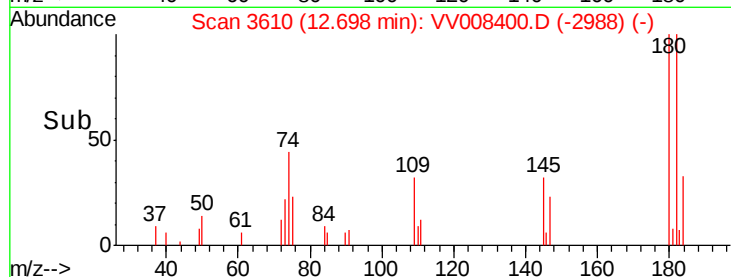
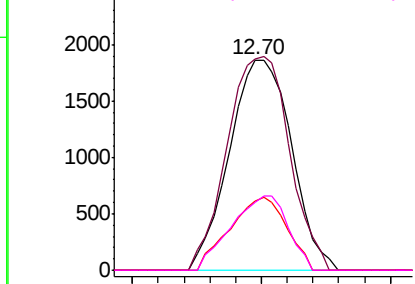
#67
 1,3,5-Trichlorobenzene
 Concen: 1.889 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:180 Resp: 3129
 Ion Ratio Lower Upper
 180 100
 182 101.7 75.9 113.9
 184 31.6 24.1 36.1
 145 32.2 26.8 40.2

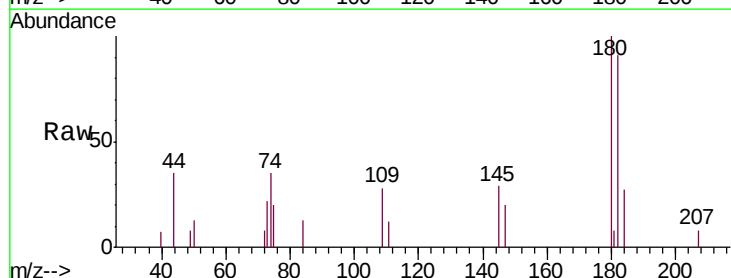


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

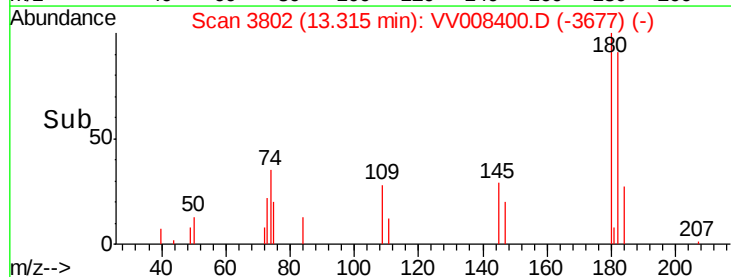
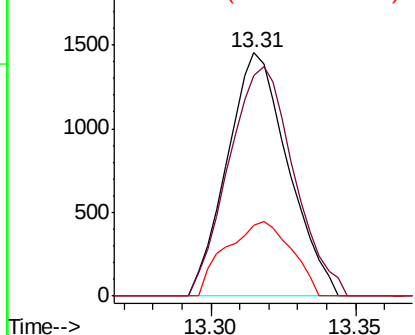


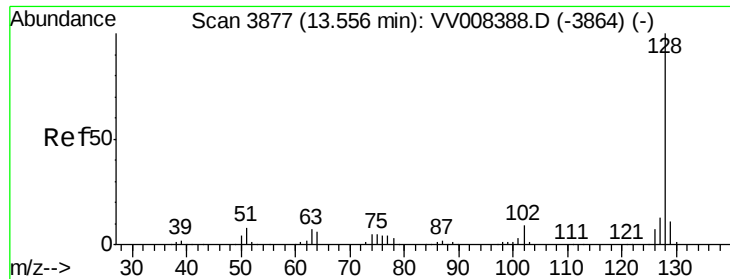
#68
 1,2,4-trichlorobenzene
 Concen: 1.579 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008400.D
 Acq: 24 Oct 2018 18:38

Tgt Ion:180 Resp: 2116
 Ion Ratio Lower Upper
 180 100
 182 100.7 75.4 113.2
 145 33.1 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: 1.338 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

Instrument :

MSVOA_V

ClientSampleId :

MDL02

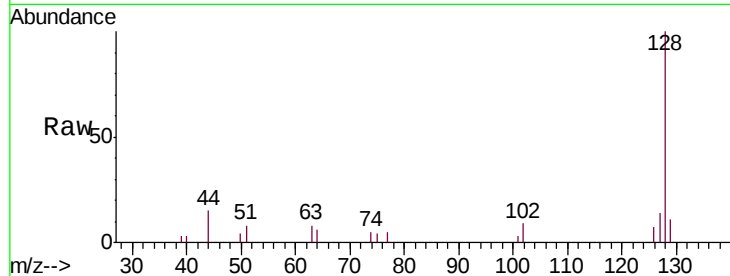
Tgt Ion:128 Resp: 5796

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

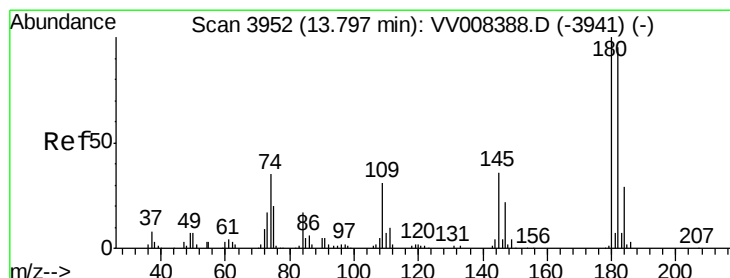
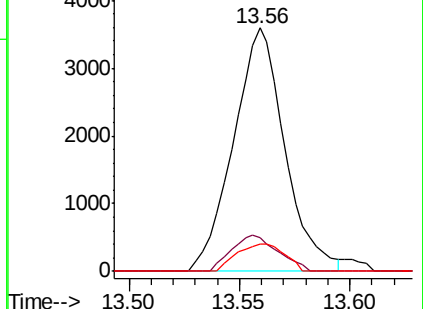
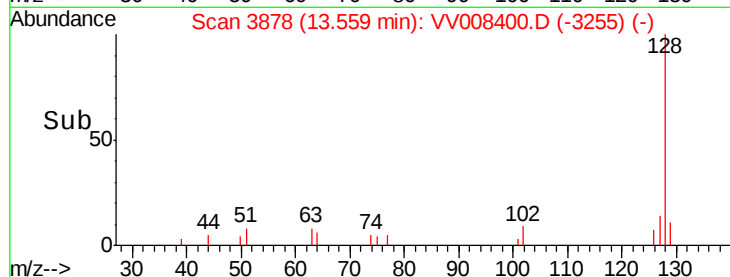
129 10.4 8.9 13.3



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: 1.622 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008400.D

Acq: 24 Oct 2018 18:38

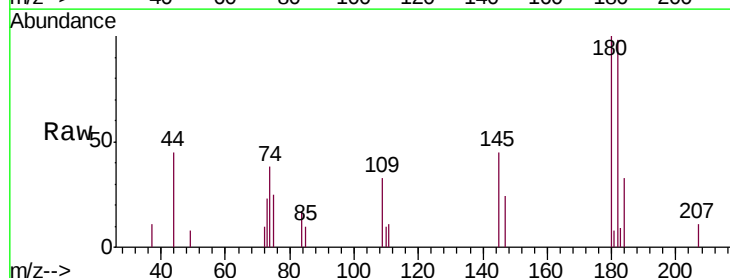
Tgt Ion:180 Resp: 2172

Ion Ratio Lower Upper

180 100

182 92.9 75.7 113.5

145 41.2 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

