

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016228.D
 Acq On : 27 May 2020 15:15
 Operator : SY/MD
 Sample : L2753-22
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:23:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	92307	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89059	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	40515	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26334	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	24303	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	37205	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.94	46	69022	46.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.88%
24) Chloroform-d	4.38	84	53490	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	28812	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.08	84	101603	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.10	67	31604	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.34	98	90620	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
45) trans-1,3-Dichloropropene-	7.65	79	10524	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
48) 2-Hexanone-d5	8.12	63	48768	41.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22011	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	31810	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

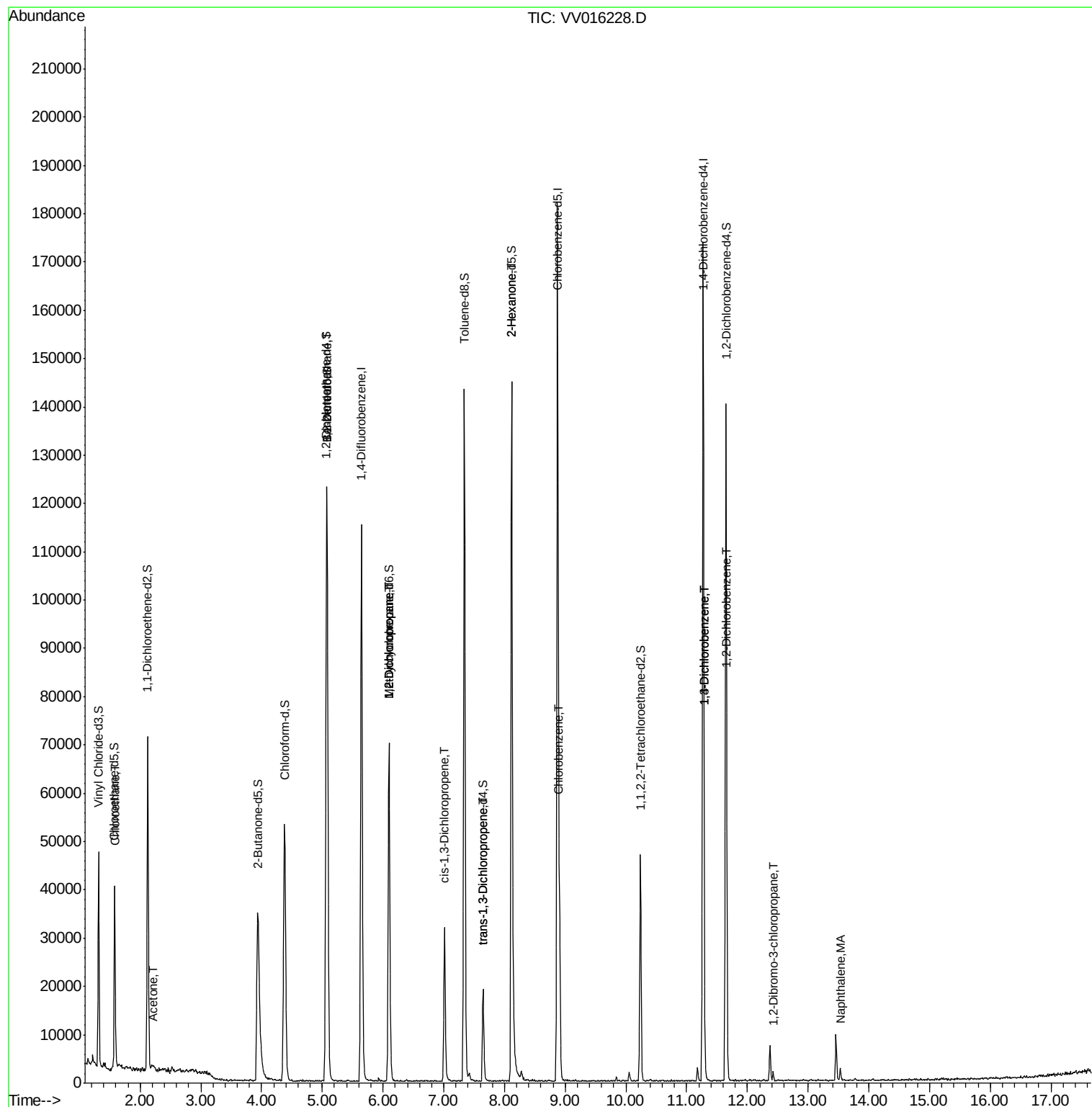
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.59	64	448	0.099	ug/L #	42
13) Acetone	2.21	43	2168	2.382	ug/L	99
27) 1,2-Dichloroethane	5.08	62	611	0.078	ug/L #	79
35) Methylcyclohexane	6.10	83	7505	0.667	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3680	0.585	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	844	0.095	ug/L #	64
46) trans-1,3-Dichloropropene	7.65	75	546	0.074	ug/L #	44
50) 2-Hexanone	8.12	43	6960	2.552	ug/L #	69
53) Chlorobenzene	8.91	112	17407	1.008	ug/L	97
63) 1,3-Dichlorobenzene	11.30	146	1923	0.156	ug/L	94
64) 1,4-Dichlorobenzene	11.30	146	1923	0.153	ug/L	95
66) 1,2-Dichlorobenzene	11.67	146	1667	0.149	ug/L	93
67) 1,2-Dibromo-3-chloropropan	12.42	75	256	0.339	ug/L #	9
70) Naphthalene	13.53	128	2352	0.140	ug/L #	88

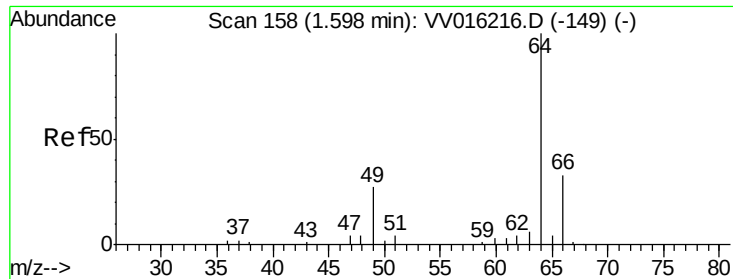
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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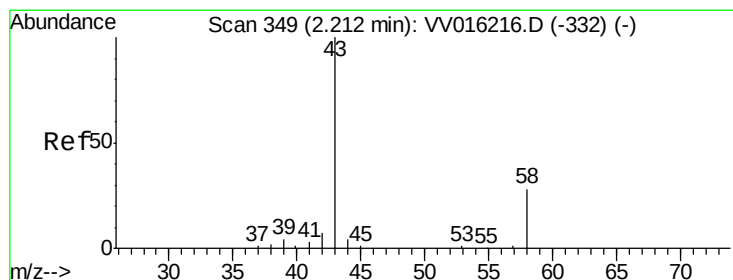
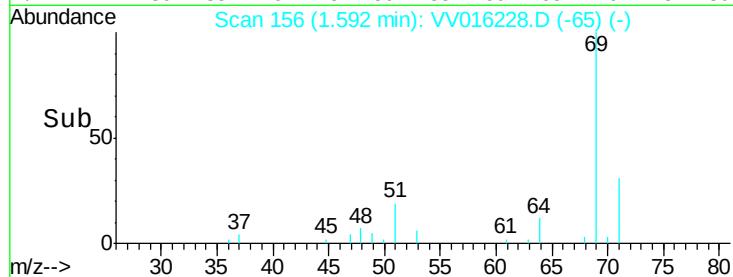
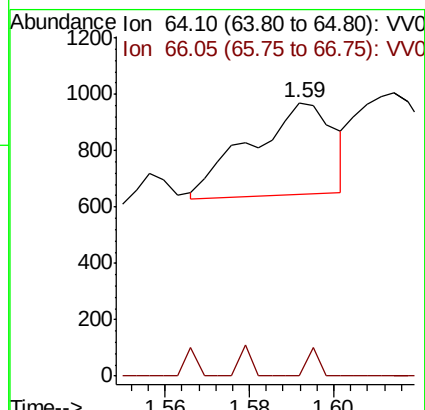
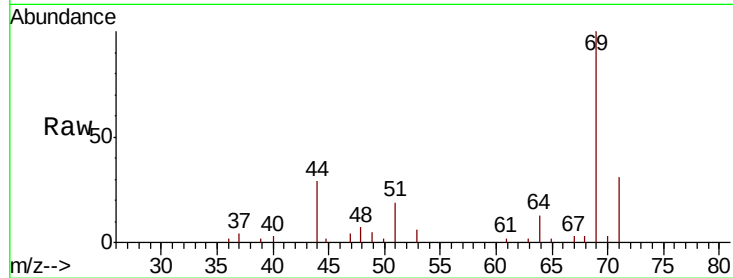




#8
Chloroethane
Concen: 0.099 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.01 min
Lab File: VV016228.D
Acq: 27 May 2020 15:15

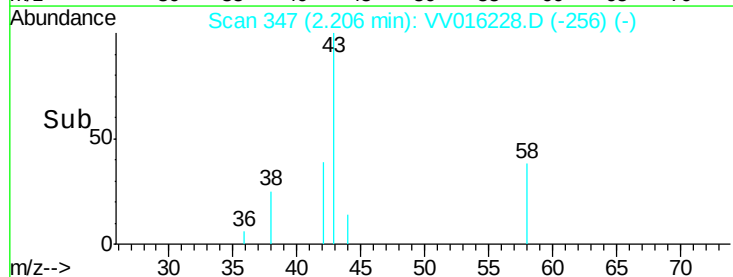
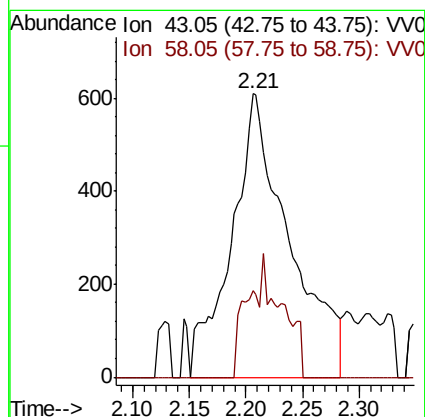
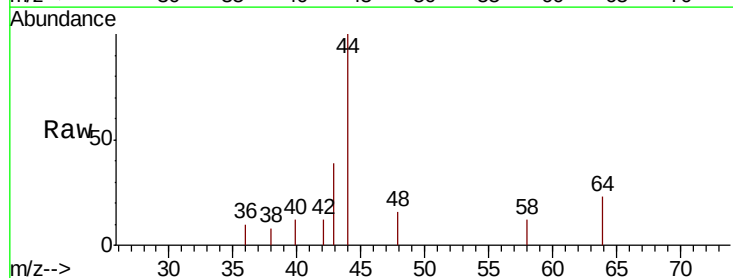
Instrument :
MSVOA_V
ClientSampled :

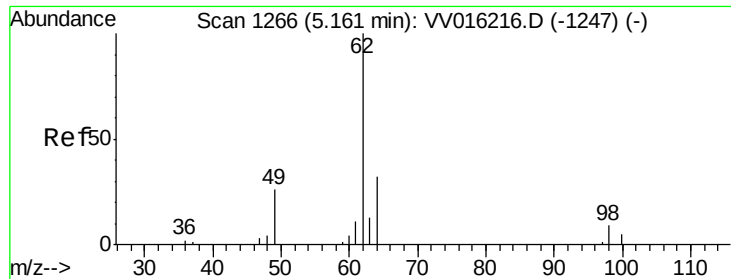
Tot Ion: 64 Resp: 448
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#



#13
Acetone
Concen: 2.382 ug/L
RT: 2.21 min Scan# 347
Delta R.T. -0.01 min
Lab File: VV016228.D
Acq: 27 May 2020 15:15

Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
58 25.1 0.0 48.8

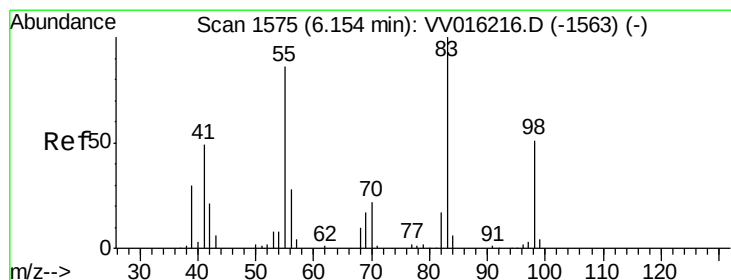
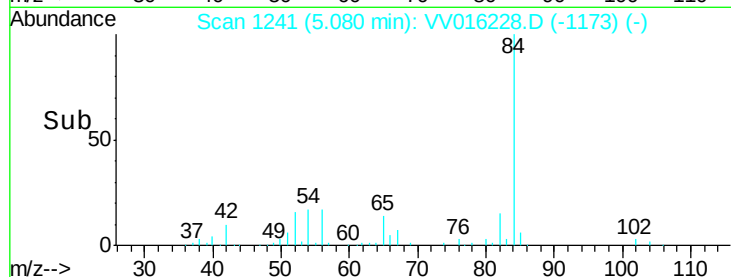
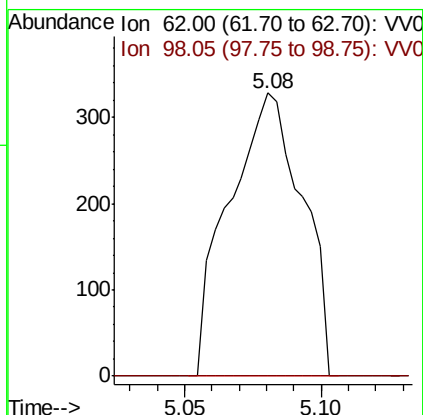
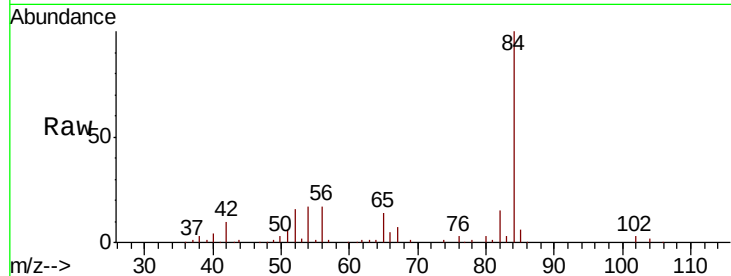




#27
 1,2-Dichloroethane
 Concen: 0.078 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.08 min
 Lab File: VV016228.D
 Acq: 27 May 2020 15:15

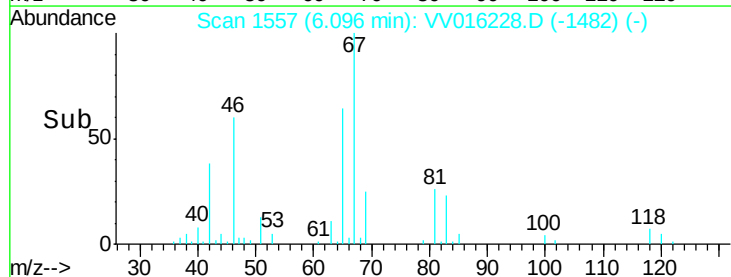
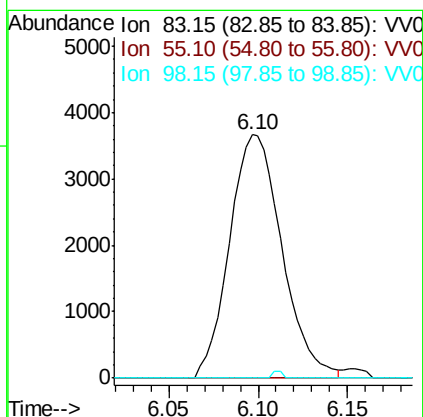
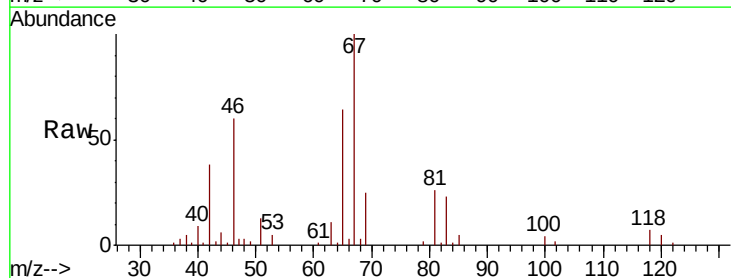
Instrument :
 MSVOA_V
 ClientSampleId :

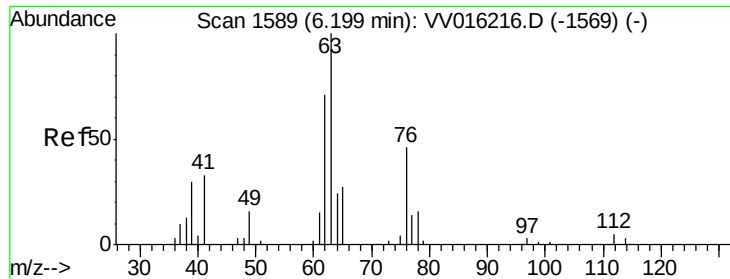
Tot Ion: 62 Resp: 611
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#35
 Methylcyclohexane
 Concen: 0.667 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016228.D
 Acq: 27 May 2020 15:15

Tgt Ion: 83 Resp: 7505
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.4 98.0#
 98 0.5 39.3 58.9#

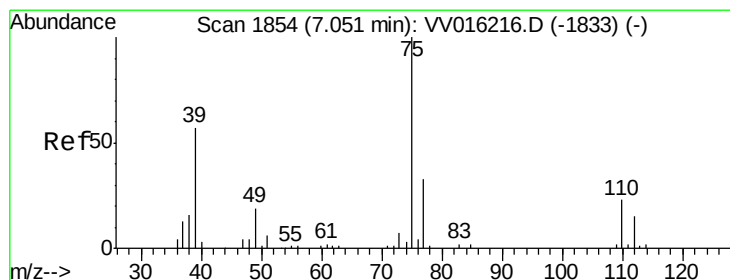
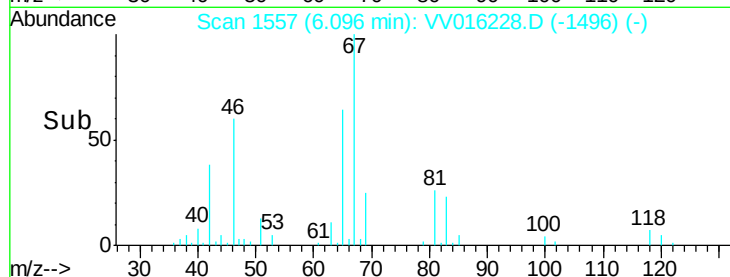
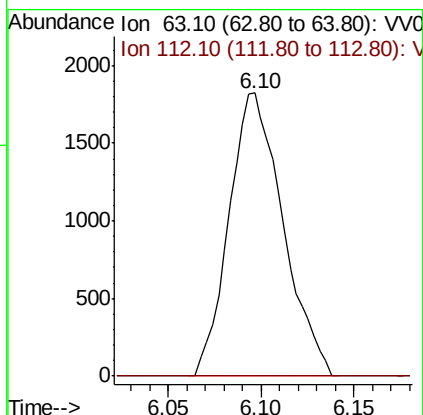
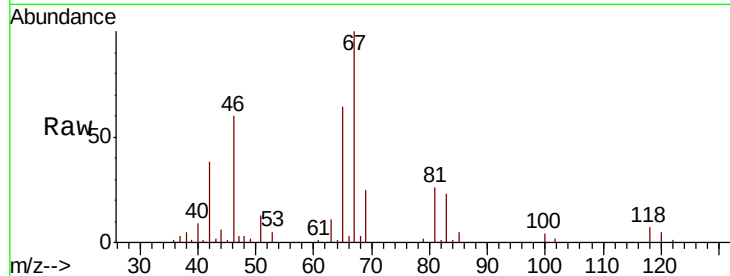




#37
 1,2-Dichloropropane
 Concen: 0.585 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016228.D
 Acq: 27 May 2020 15:15

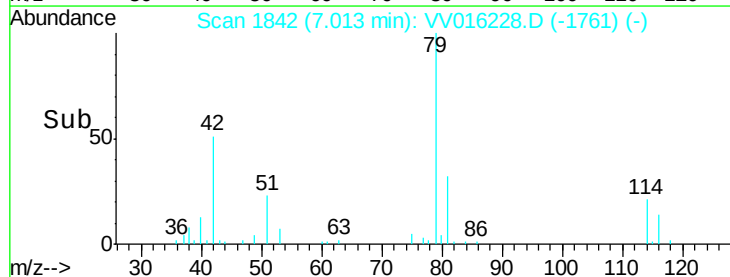
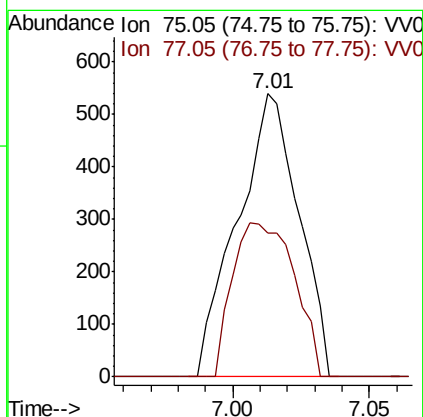
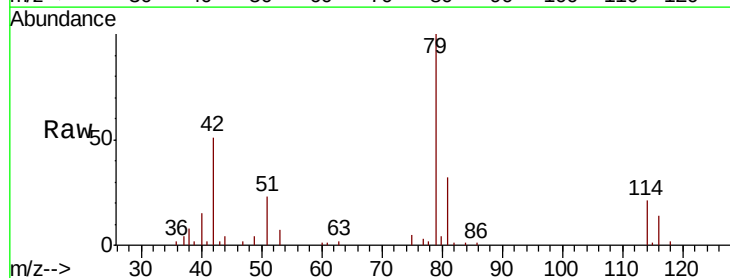
Instrument :
 MSVOA_V
 ClientSampleId :

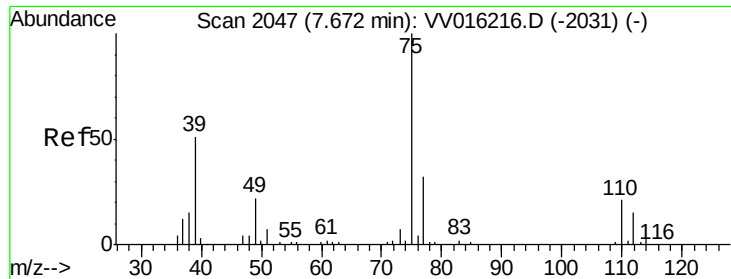
Tot Ion: 63 Resp: 3680
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016228.D
 Acq: 27 May 2020 15:15

Tgt Ion: 75 Resp: 844
 Ion Ratio Lower Upper
 75 100
 77 51.0 21.7 40.3#

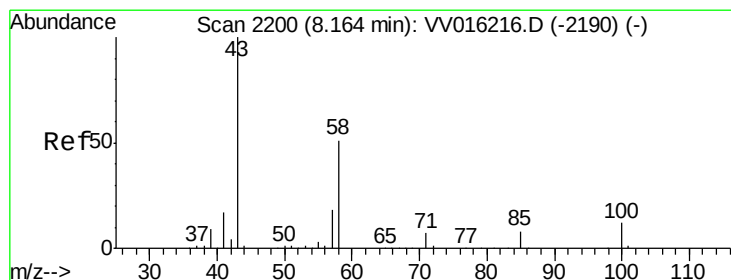
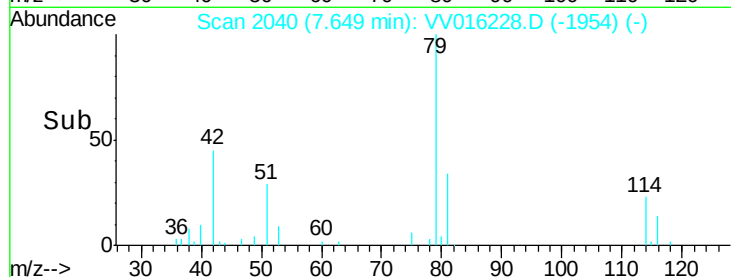
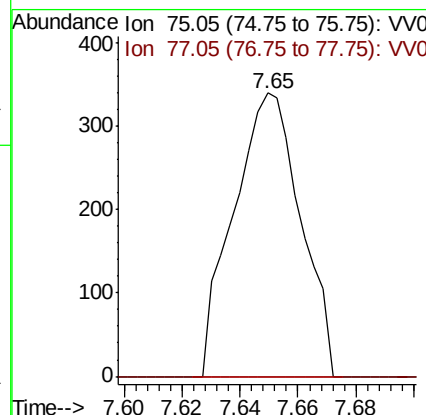
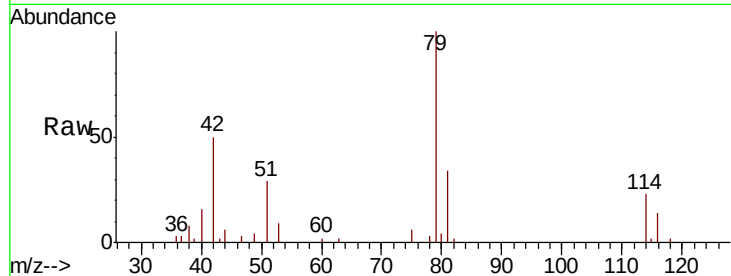




#46
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016228.D
Acq: 27 May 2020 15:15

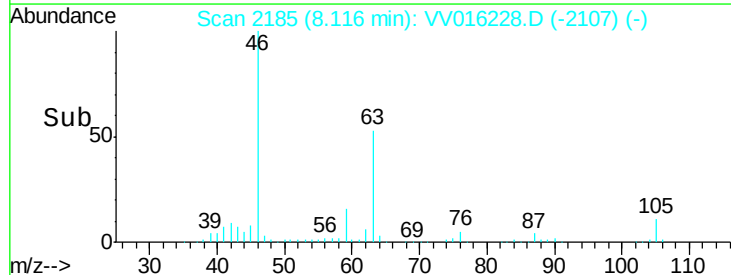
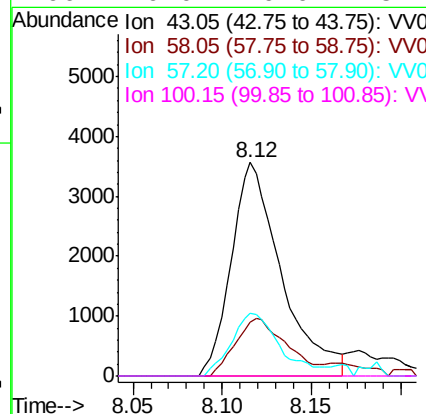
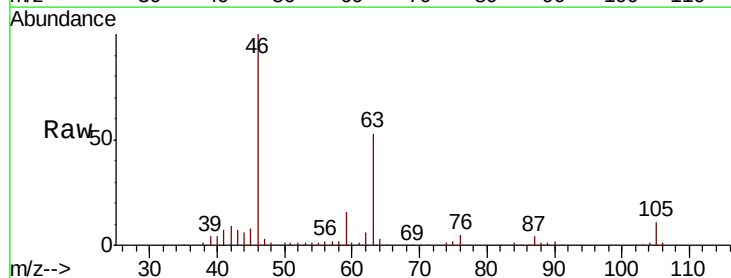
Instrument :
MSVOA_V
ClientSampleId :

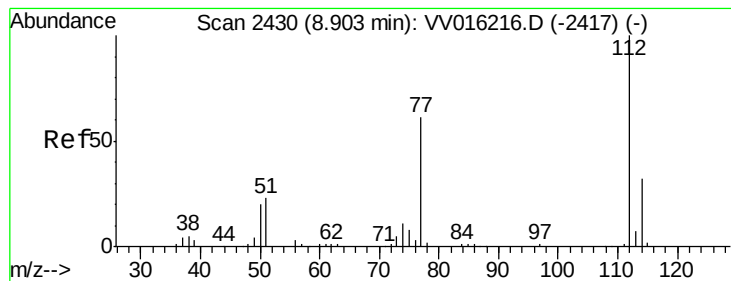
Tot Ion: 75 Resp: 546
Ion Ratio Lower Upper
75 100
77 0.0 21.7 40.3#



#50
2-Hexanone
Concen: 2.552 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016228.D
Acq: 27 May 2020 15:15

Tgt Ion: 43 Resp: 6960
Ion Ratio Lower Upper
43 100
58 27.6 41.4 62.0#
57 28.1 15.0 22.4#
100 0.0 9.0 13.4#





#53

Chlorobenzene

Concen: 1.008 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

Instrument :

MSVOA_V

ClientSampled :

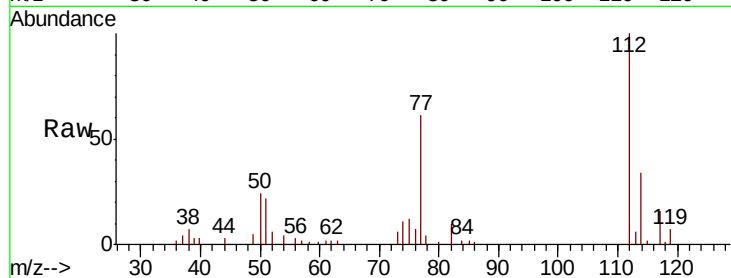
Tot Ion:112 Resp: 17407

Ion Ratio Lower Upper

112 100

114 33.5 22.3 41.3

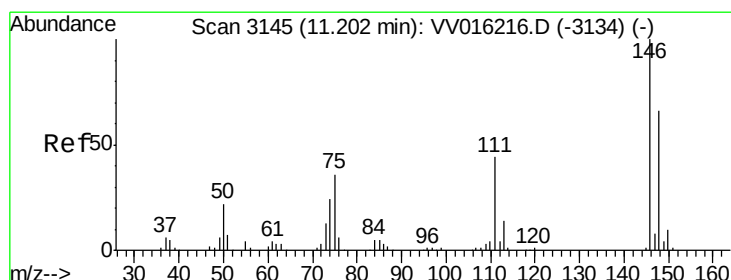
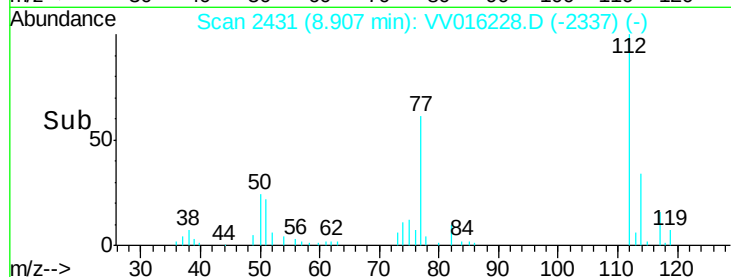
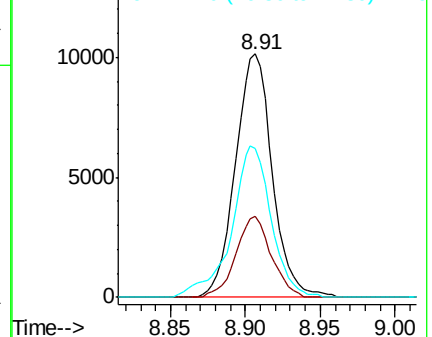
77 61.1 50.7 76.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#63

1,3-Dichlorobenzene

Concen: 0.156 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.09 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

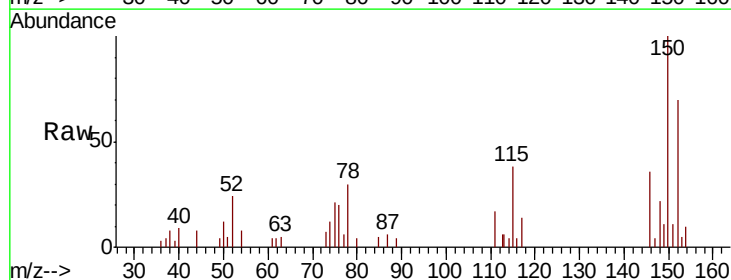
Tgt Ion:146 Resp: 1923

Ion Ratio Lower Upper

146 100

111 47.4 29.7 55.1

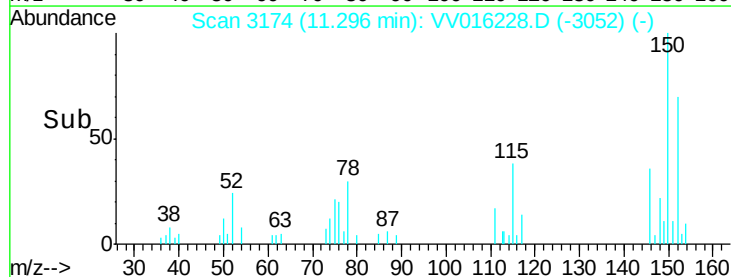
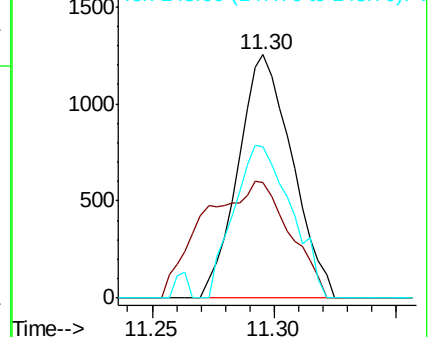
148 62.4 45.9 85.3

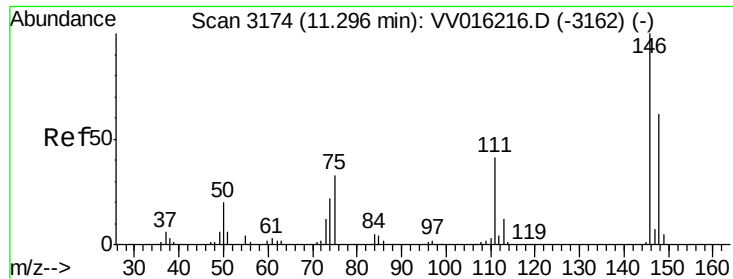


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.153 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

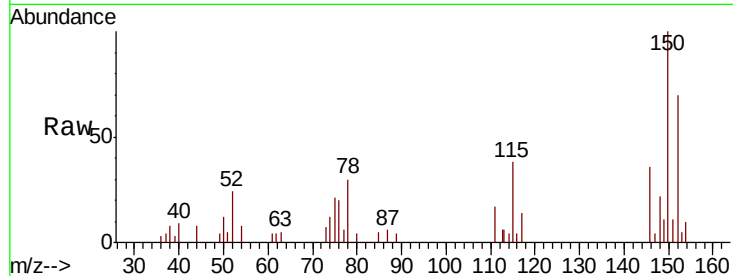
Tot Ion:146 Resp: 1923

Ion Ratio Lower Upper

146 100

111 47.4 28.3 52.7

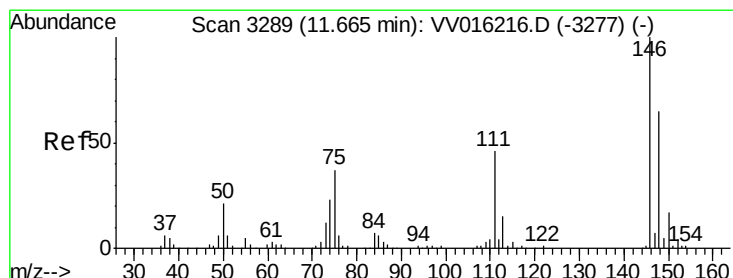
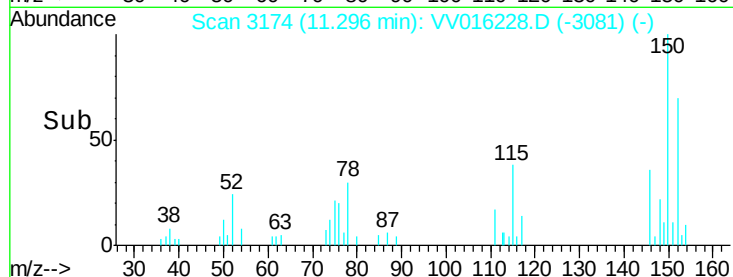
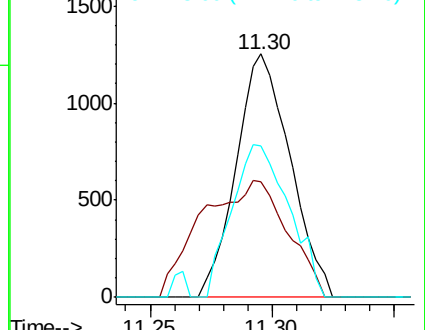
148 62.4 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.149 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

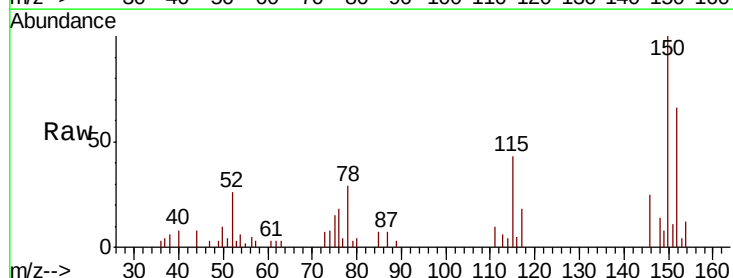
Tgt Ion:146 Resp: 1667

Ion Ratio Lower Upper

146 100

111 40.7 35.7 53.5

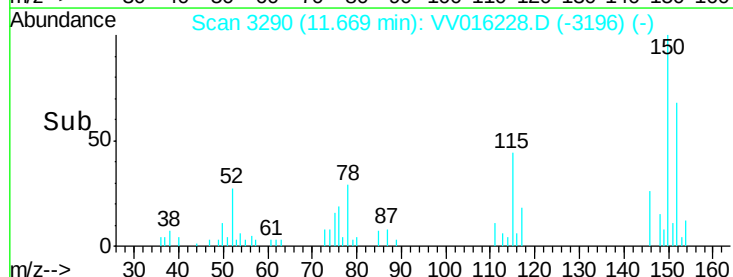
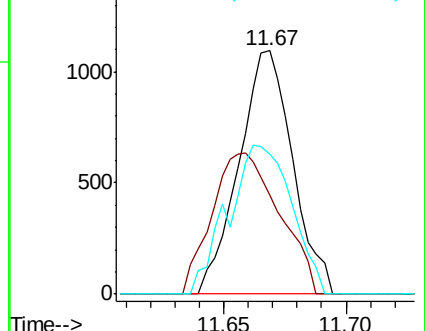
148 57.7 51.3 76.9

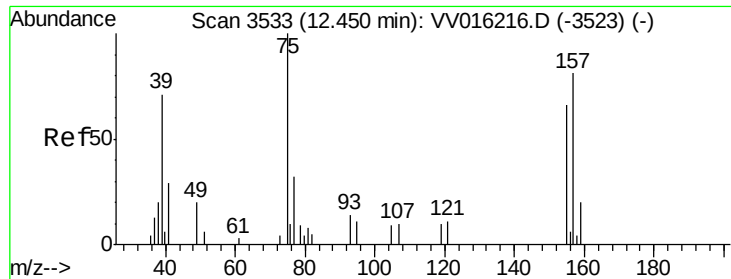


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 0.339 ug/L

RT: 12.42 min Scan# 3523

Delta R.T. -0.03 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

Instrument :

MSVOA_V

ClientSampleId :

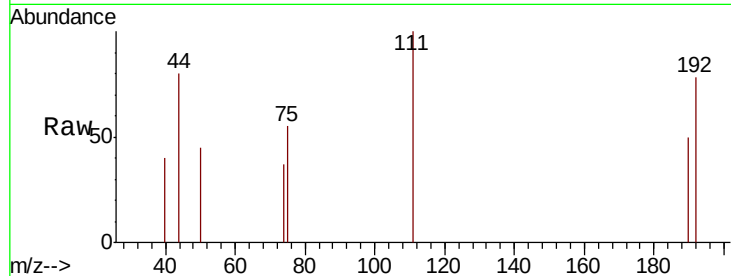
Tot Ion: 75 Resp: 256

Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.4#

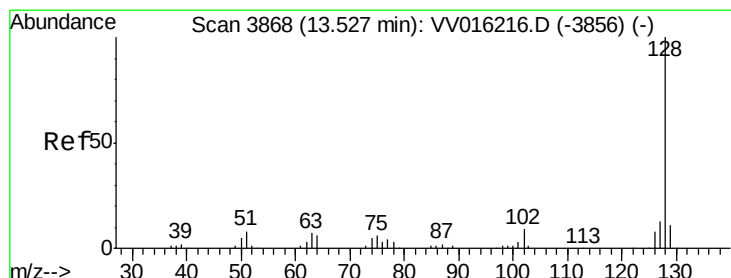
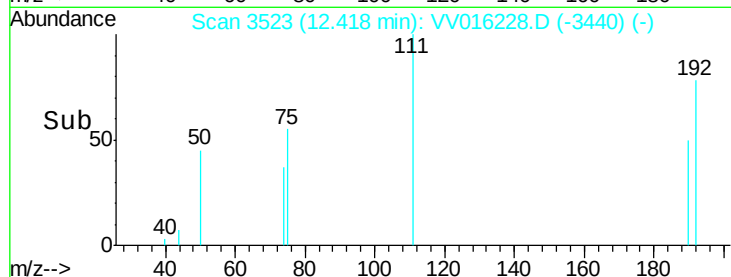
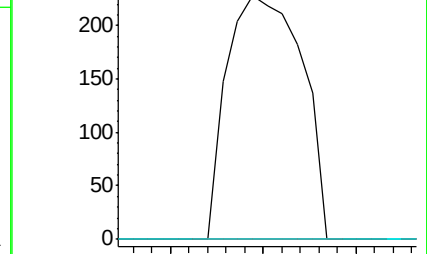
157 0.0 71.9 107.9#



Abundance Ion 75.05 (74.75 to 75.75): VV016216.D (-3523) (-)

Ion 154.95 (154.65 to 155.65): VV016216.D (-3523) (-)

Ion 156.90 (156.60 to 157.60): VV016216.D (-3523) (-)



#70

Naphthalene

Concen: 0.140 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016228.D

Acq: 27 May 2020 15:15

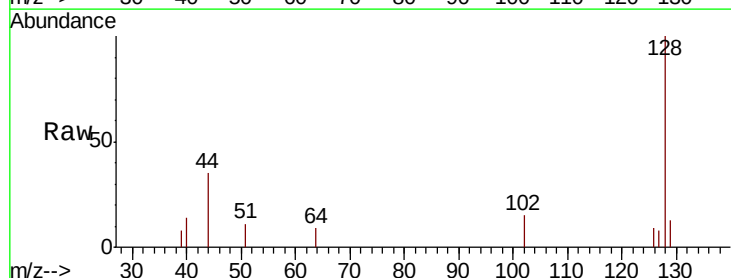
Tgt Ion: 128 Resp: 2352

Ion Ratio Lower Upper

128 100

129 8.1 8.6 13.0#

127 6.6 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): VV016216.D (-3856) (-)

Ion 129.00 (128.70 to 129.70): VV016216.D (-3856) (-)

Ion 127.00 (126.70 to 127.70): VV016216.D (-3856) (-)

