

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016345.D
 Acq On : 30 May 2020 05:37
 Operator : SY/MD
 Sample : L2788-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 06:46:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	75390	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	70468	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	25441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22215	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	18049	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	32494	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.97	46	52311	43.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.10%
24) Chloroform-d	4.38	84	45321	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.06	65	25114	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	88625	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.10	67	27261	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.34	98	76737	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.65	79	8003	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
48) 2-Hexanone-d5	8.12	63	43509	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	16309	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	20636	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

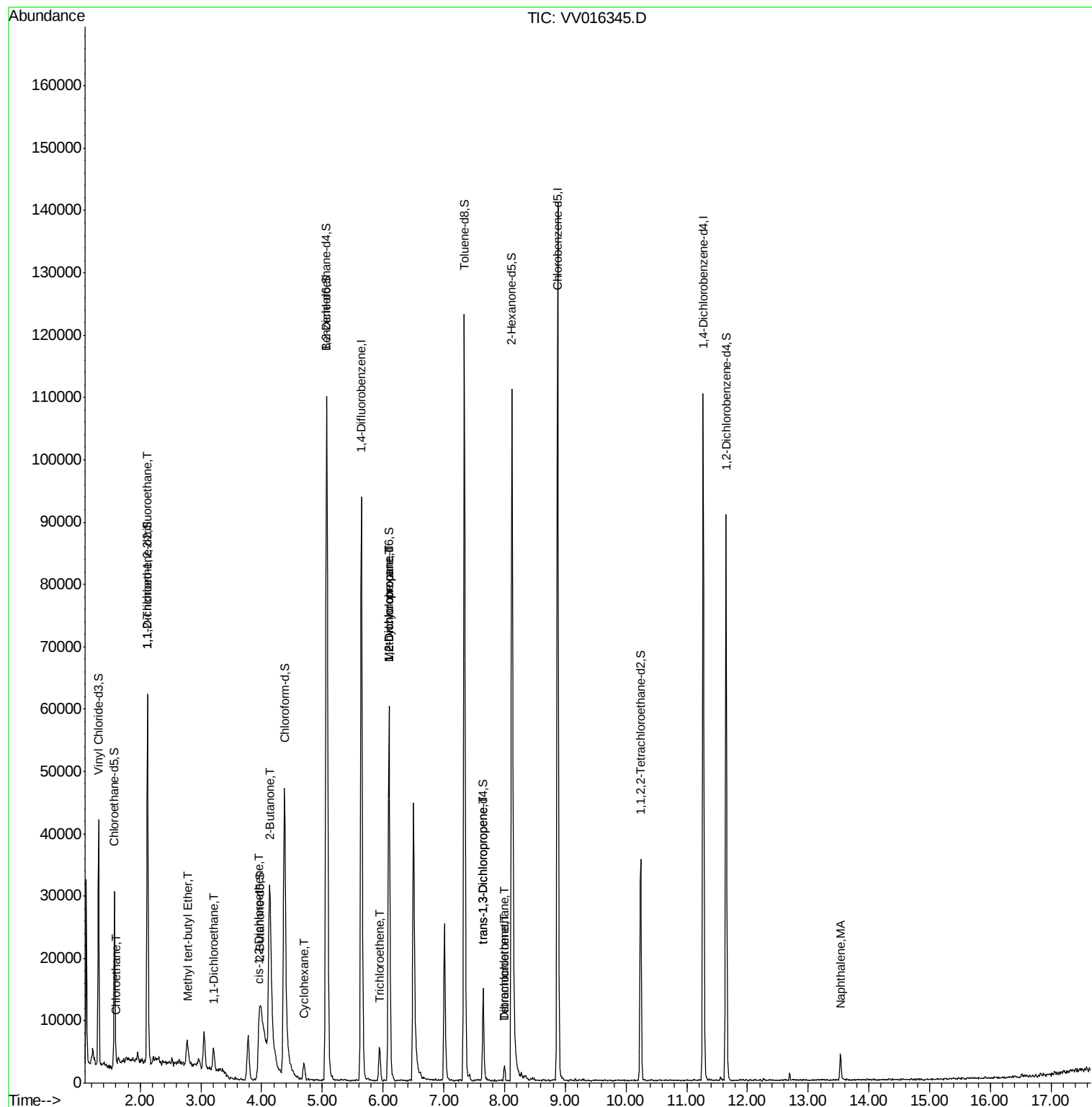
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.61	64	767	0.208	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	373	0.080	ug/L #	46
17) Methyl tert-butyl Ether	2.79	73	783	0.072	ug/L #	1
19) 1,1-Dichloroethane	3.21	63	3543	0.383	ug/L #	91
21) 2-Butanone	4.13	43	65327	49.396	ug/L #	58
22) cis-1,2-Dichloroethene	3.94	96	1068	0.186	ug/L	77
30) Cyclohexane	4.70	56	1411	0.157	ug/L	90
34) Trichloroethene	5.94	95	2141	0.405	ug/L	96
35) Methylcyclohexane	6.10	83	6589	0.740	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3273	0.658	ug/L #	88
46) trans-1,3-Dichloropropene	7.64	75	305	0.052	ug/L	84
49) Tetrachloroethene	7.99	164	530	0.140	ug/L	76
51) Dibromochloromethane	8.00	129	480	0.139	ug/L #	10
70) Naphthalene	13.53	128	3635	0.345	ug/L	95

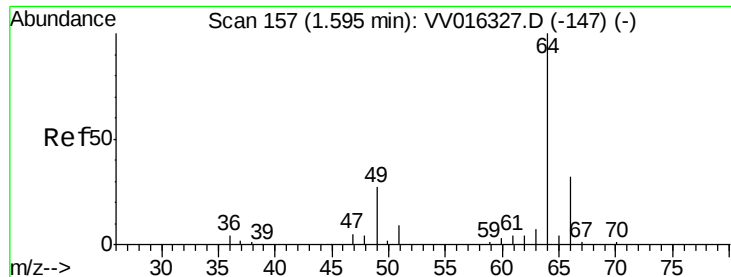
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.208 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.02 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

Instrument :

MSVOA_V

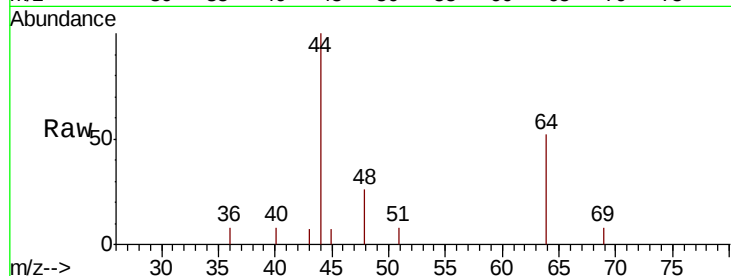
ClientSampled :

Tot Ion: 64 Resp: 767

Ion Ratio Lower Upper

64 100

66 0.0 22.9 42.5#

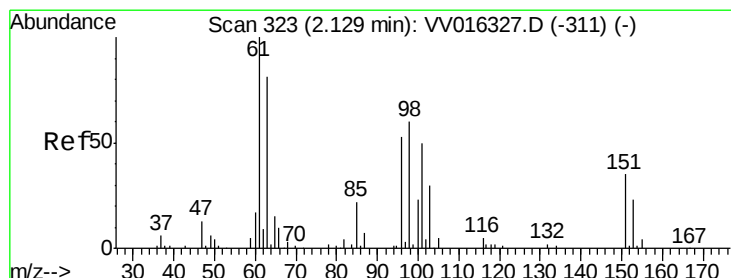
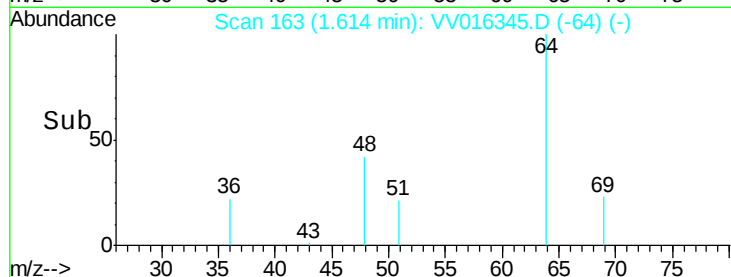


Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.61

Time-->



#10

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

Concen: 0.080 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

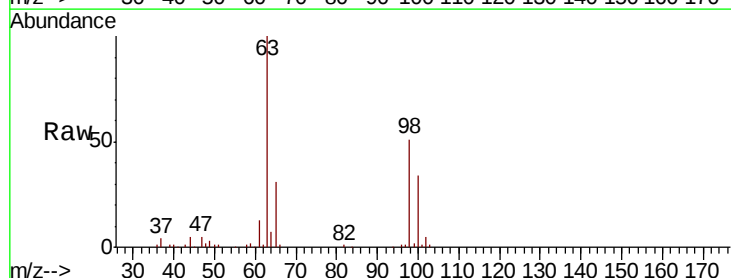
Tgt Ion:101 Resp: 373

Ion Ratio Lower Upper

101 100

85 52.0 35.0 52.6

151 5.4 56.3 84.5#



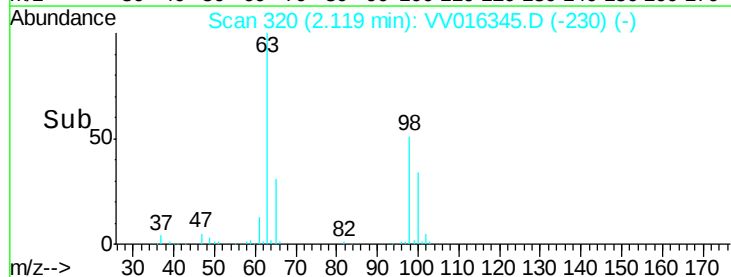
Abundance Ion 101.00 (100.70 to 101.70): V

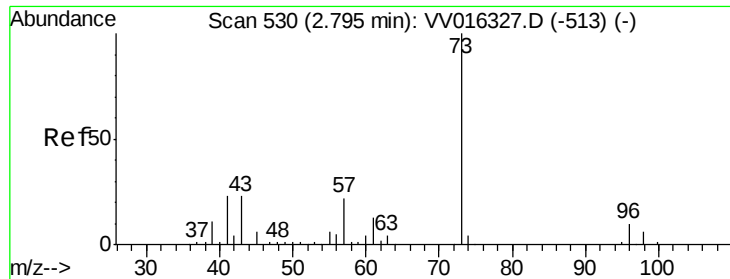
Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

Time-->

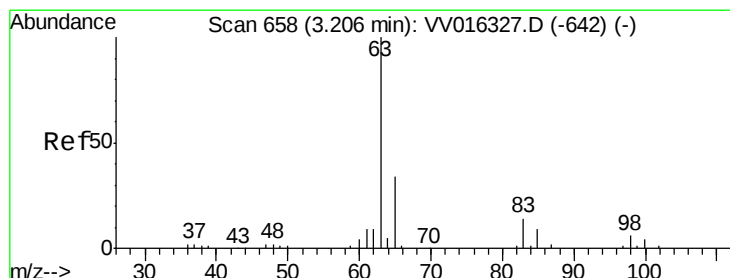
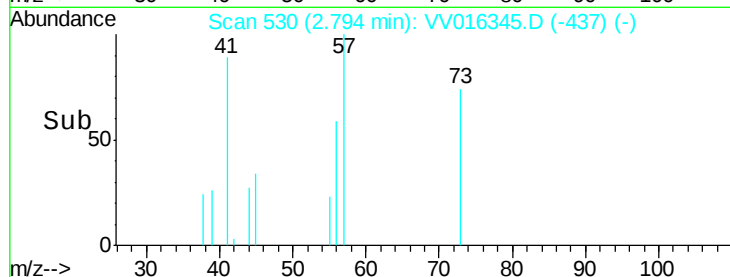
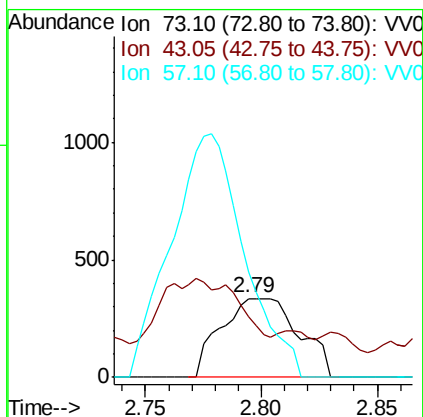
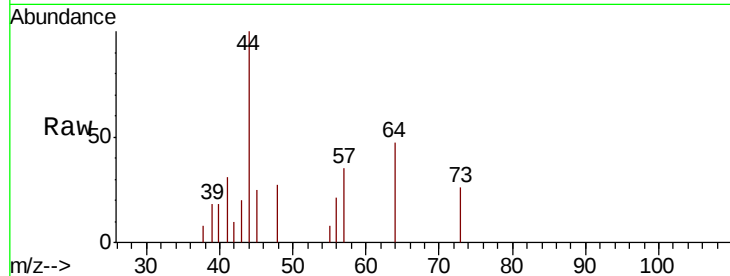




#17
Methvl tert-butvl Ether
Concen: 0.072 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

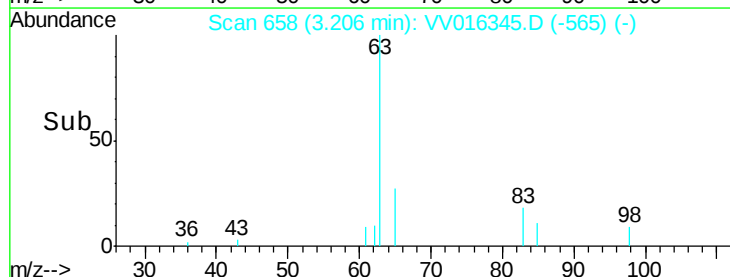
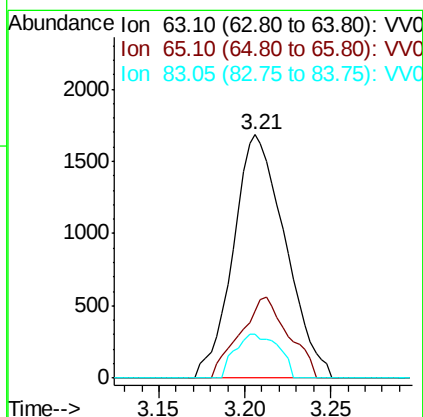
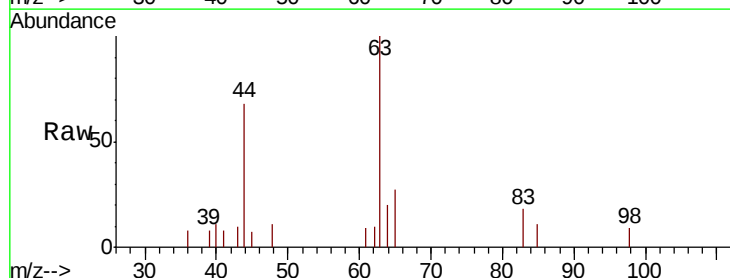
Instrument :
MSVOA_V
ClientSampled :

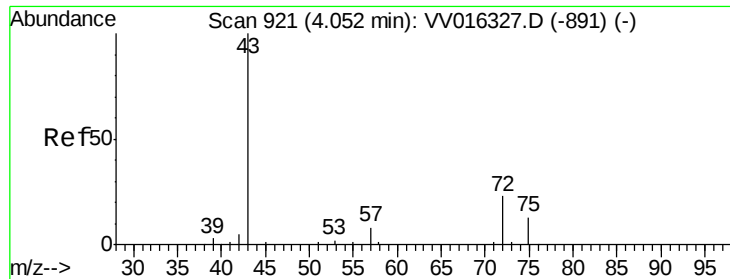
Tot Ion: 73 Resp: 783
Ion Ratio Lower Upper
73 100
43 78.9 17.8 26.8#
57 289.9 18.9 28.3#



#19
1,1-Dichloroethane
Concen: 0.383 ug/L
RT: 3.21 min Scan# 658
Delta R.T. -0.00 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

Tgt Ion: 63 Resp: 3543
Ion Ratio Lower Upper
63 100
65 27.5 22.3 41.5
83 17.8 9.4 17.4#





#21

2-Butanone

Concen: 49.396 ug/L

RT: 4.13 min Scan# 946

Delta R.T. 0.08 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

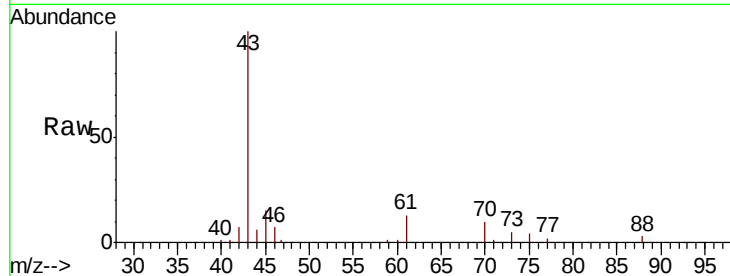
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 65327

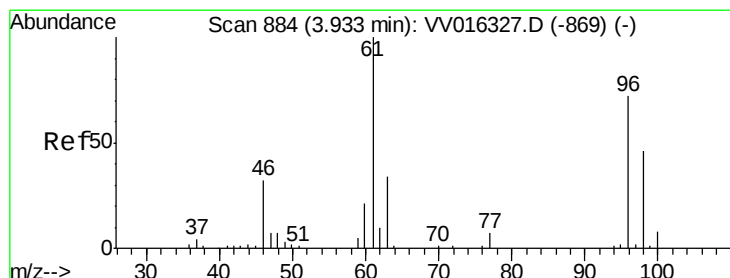
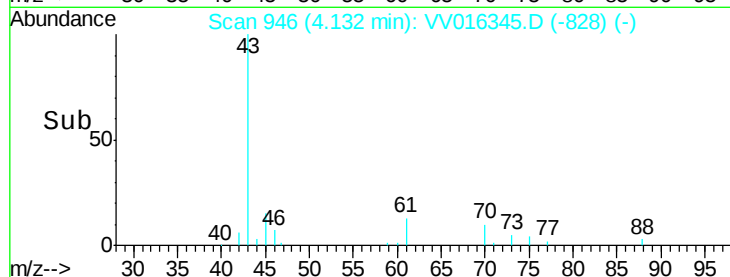
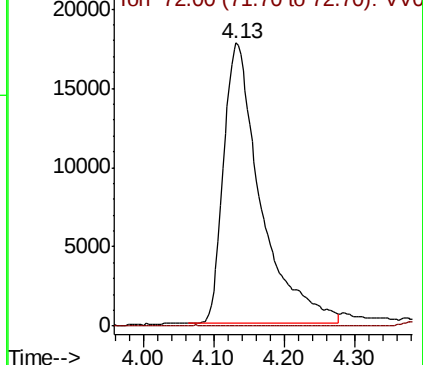
Ion Ratio Lower Upper

43 100

72 0.0 9.7 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV016345.D (-828) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.186 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

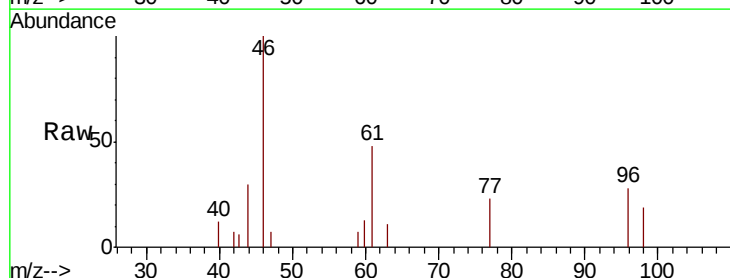
Tgt Ion: 96 Resp: 1068

Ion Ratio Lower Upper

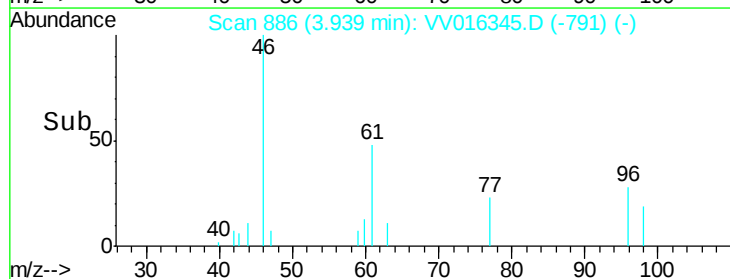
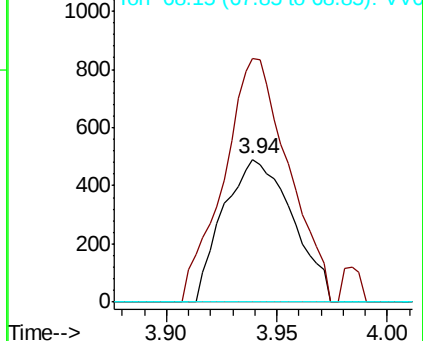
96 100

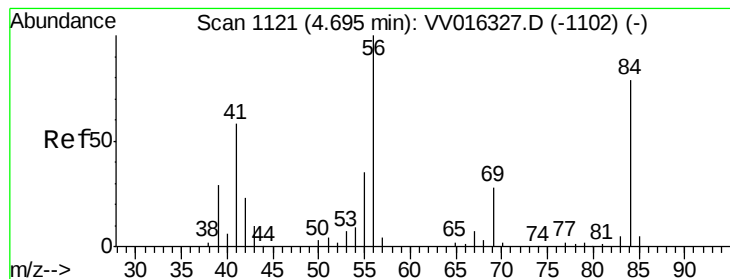
61 170.1 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016345.D (-791) (-)





#30

Cyclohexane

Concen: 0.157 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

Instrument :
MSVOA_V
ClientSampleId :

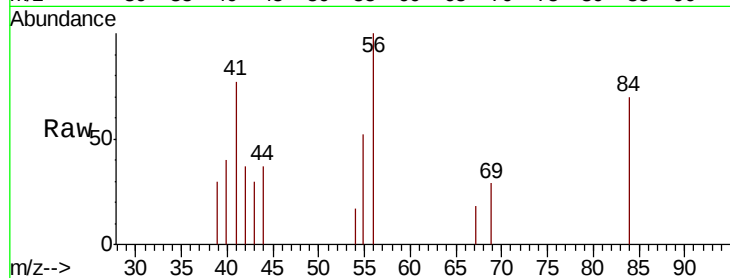
Tot Ion: 56 Resp: 1411

Ion Ratio Lower Upper

56 100

69 29.3 24.6 36.8

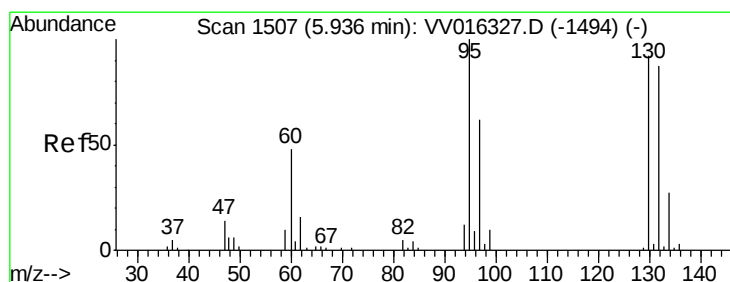
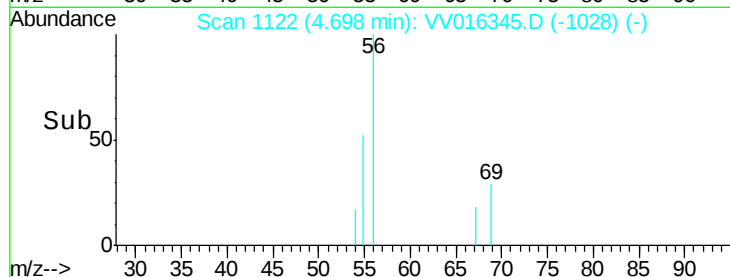
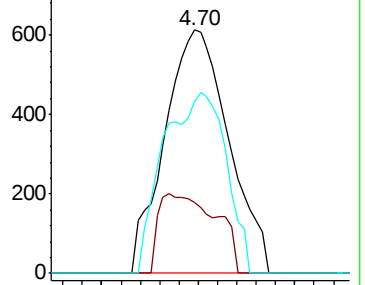
84 72.9 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VV016327.D (-1102) (-)

Ion 69.15 (68.85 to 69.85): VV016327.D (-1102) (-)

Ion 84.15 (83.85 to 84.85): VV016327.D (-1102) (-)



#34

Trichloroethene

Concen: 0.405 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

Tgt Ion: 95 Resp: 2141

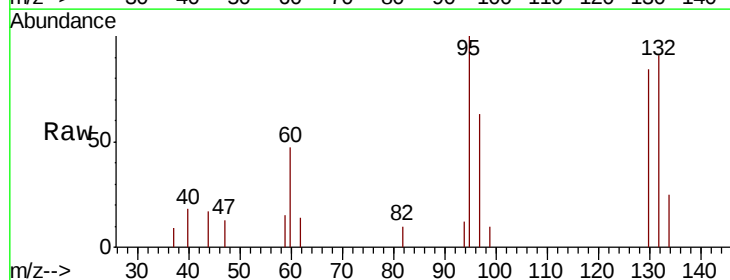
Ion Ratio Lower Upper

95 100

97 62.9 43.6 81.0

132 90.9 63.9 118.7

130 84.4 65.2 121.0

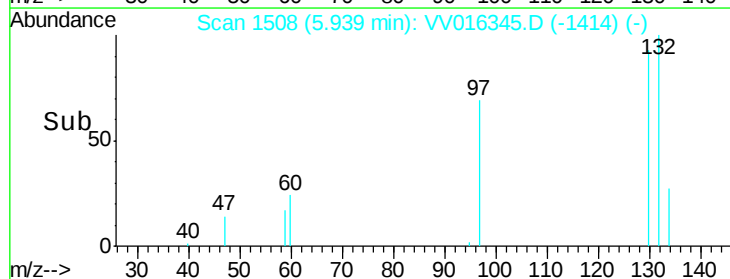
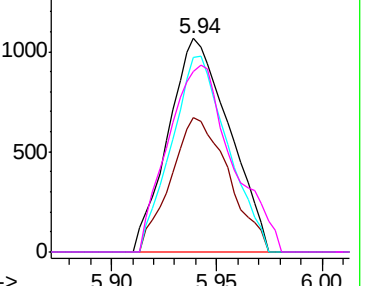


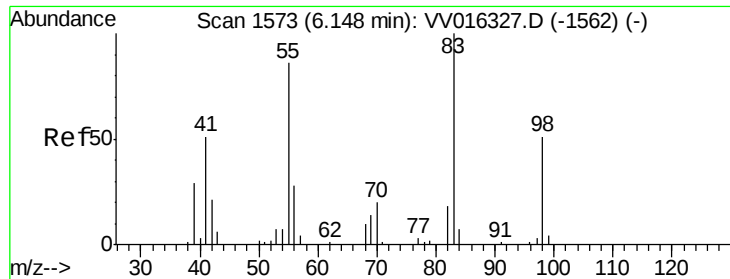
Abundance Ion 95.00 (94.70 to 95.70): VV016327.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV016327.D (-1494) (-)

Ion 131.95 (131.65 to 132.65): VV016327.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV016327.D (-1494) (-)

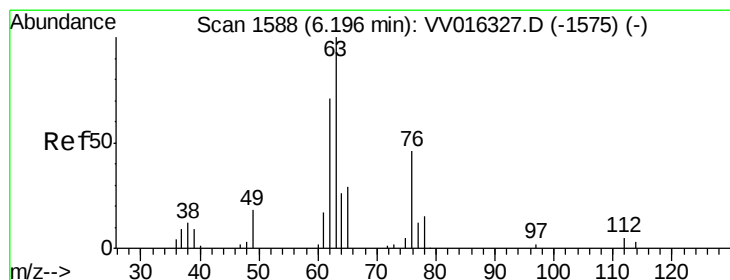
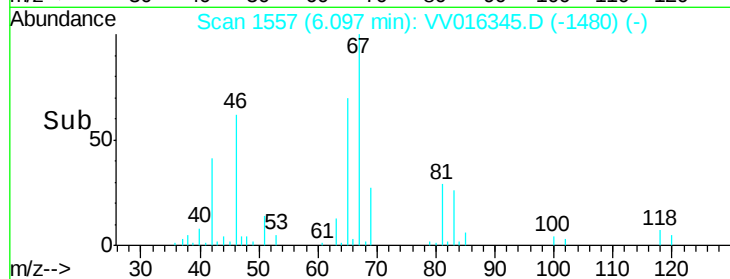
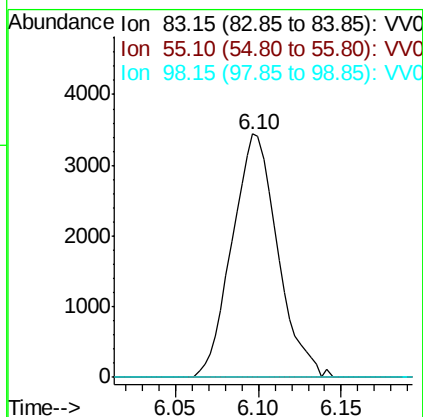
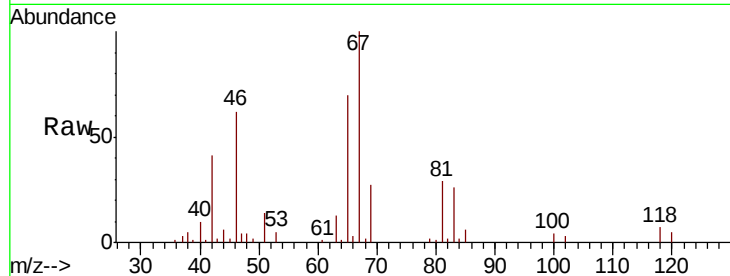




#35
Methvlcvclohexane
Concen: 0.740 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

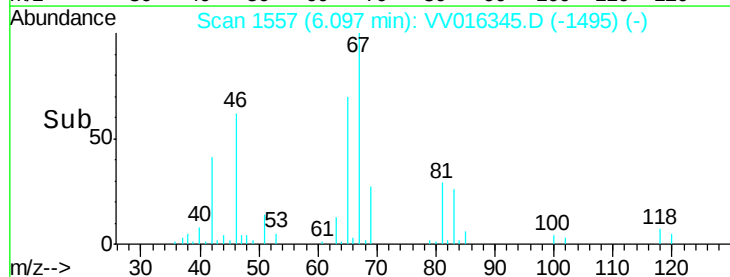
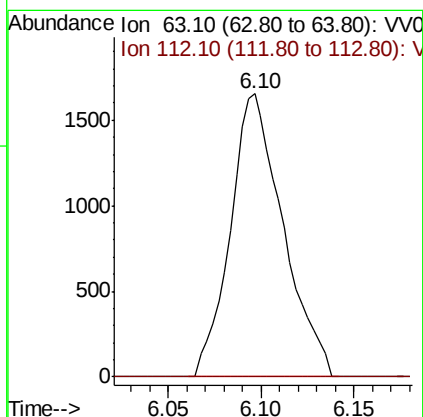
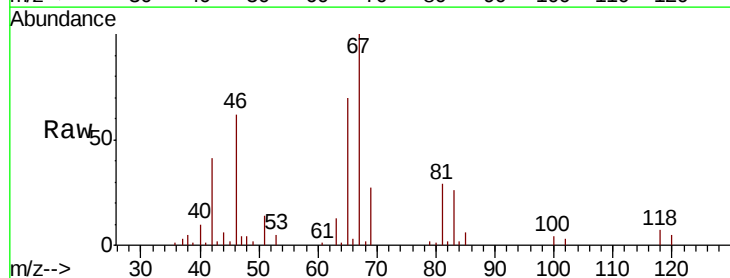
Instrument :
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ClientSampleId :

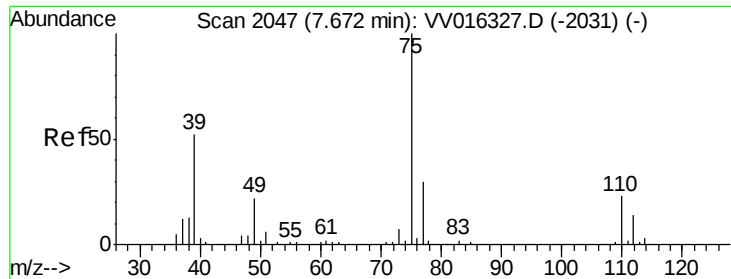
Tot Ion: 83 Resp: 6589
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

Tgt Ion: 63 Resp: 3273
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

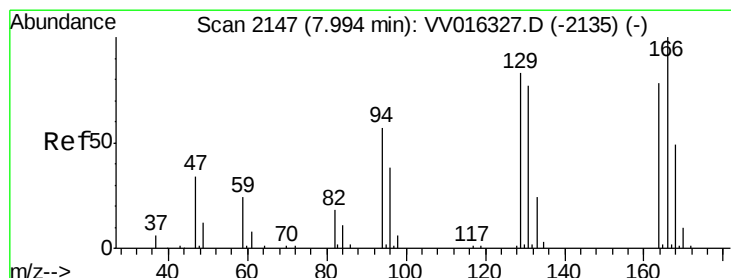
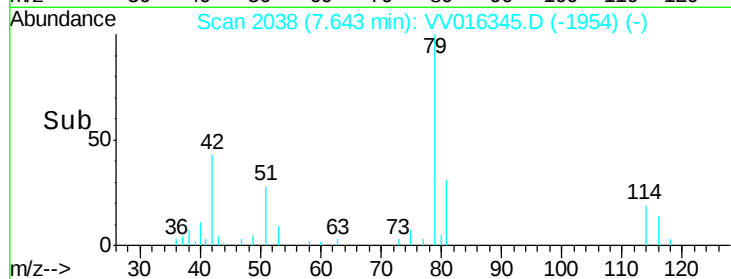
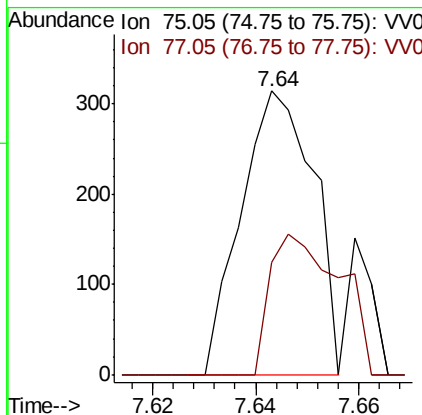
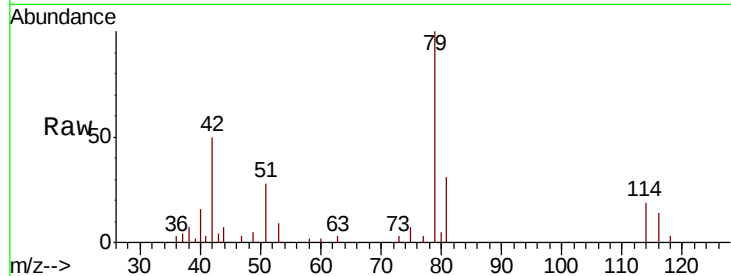




#46
trans-1,3-Dichloropropene
Concen: 0.052 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

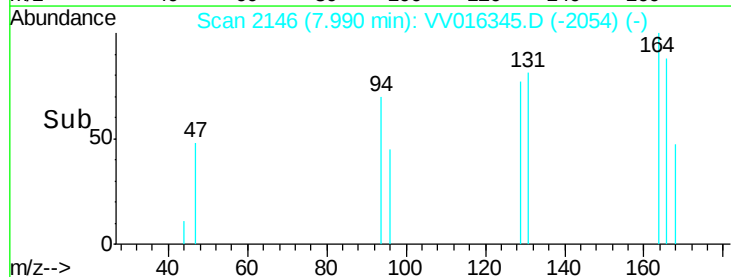
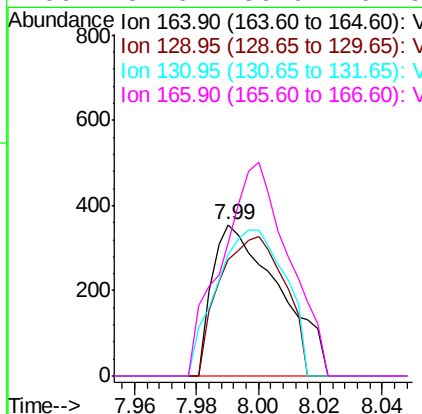
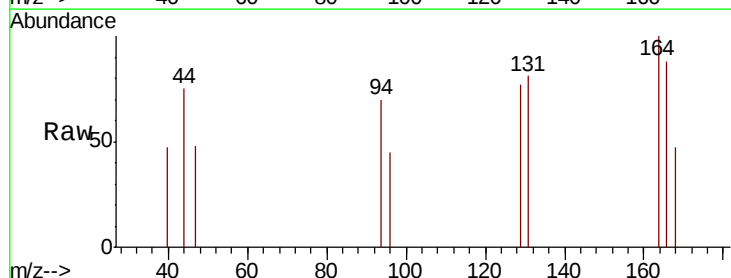
Instrument :
MSVOA_V
ClientSampleId :

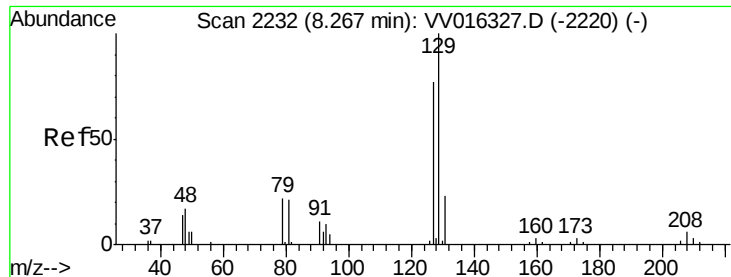
Tot Ion: 75 Resp: 305
Ion Ratio Lower Upper
75 100
77 39.8 21.7 40.3



#49
Tetrachloroethene
Concen: 0.140 ug/L
RT: 7.99 min Scan# 2146
Delta R.T. -0.00 min
Lab File: VV016345.D
Acq: 30 May 2020 05:37

Tgt Ion: 164 Resp: 530
Ion Ratio Lower Upper
164 100
129 77.2 70.7 131.3
131 80.6 66.6 123.8
166 87.6 86.9 161.5





#51

Dibromochloromethane

Concen: 0.139 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

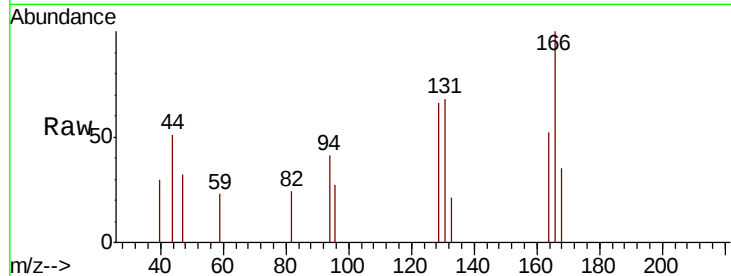
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 480

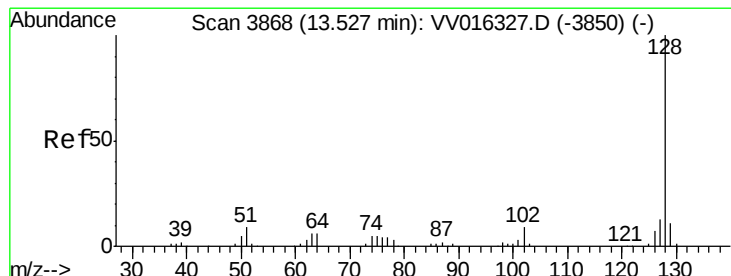
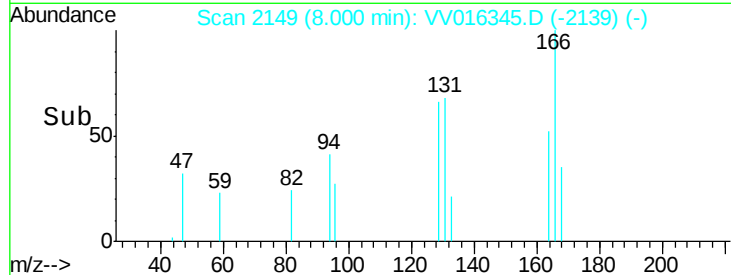
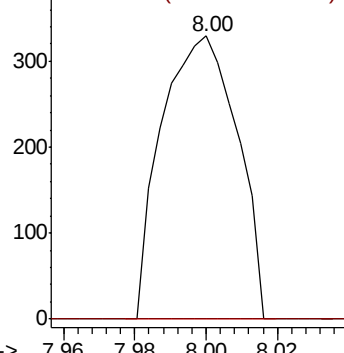
Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#70

Naphthalene

Concen: 0.345 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016345.D

Acq: 30 May 2020 05:37

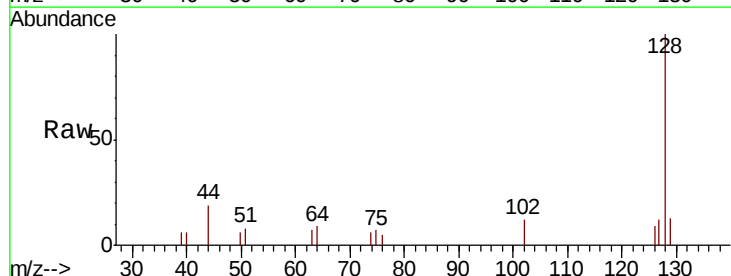
Tgt Ion:128 Resp: 3635

Ion Ratio Lower Upper

128 100

129 9.8 8.6 13.0

127 10.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

