

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016349.D
 Acq On : 30 May 2020 07:16
 Operator : SY/MD
 Sample : L2788-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 00:54:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 00:52:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	73664	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	69172	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	24014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21782	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	17752	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.12	63	32523	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.98	46	41664	35.50	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.00%
24) Chloroform-d	4.38	84	45435	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.06	65	25492	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.07	84	88902	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.10	67	26809	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.34	98	76377	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
45) trans-1,3-Dichloropropene-	7.65	79	8118	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
48) 2-Hexanone-d5	8.12	63	43485	47.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	16516	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	19906	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

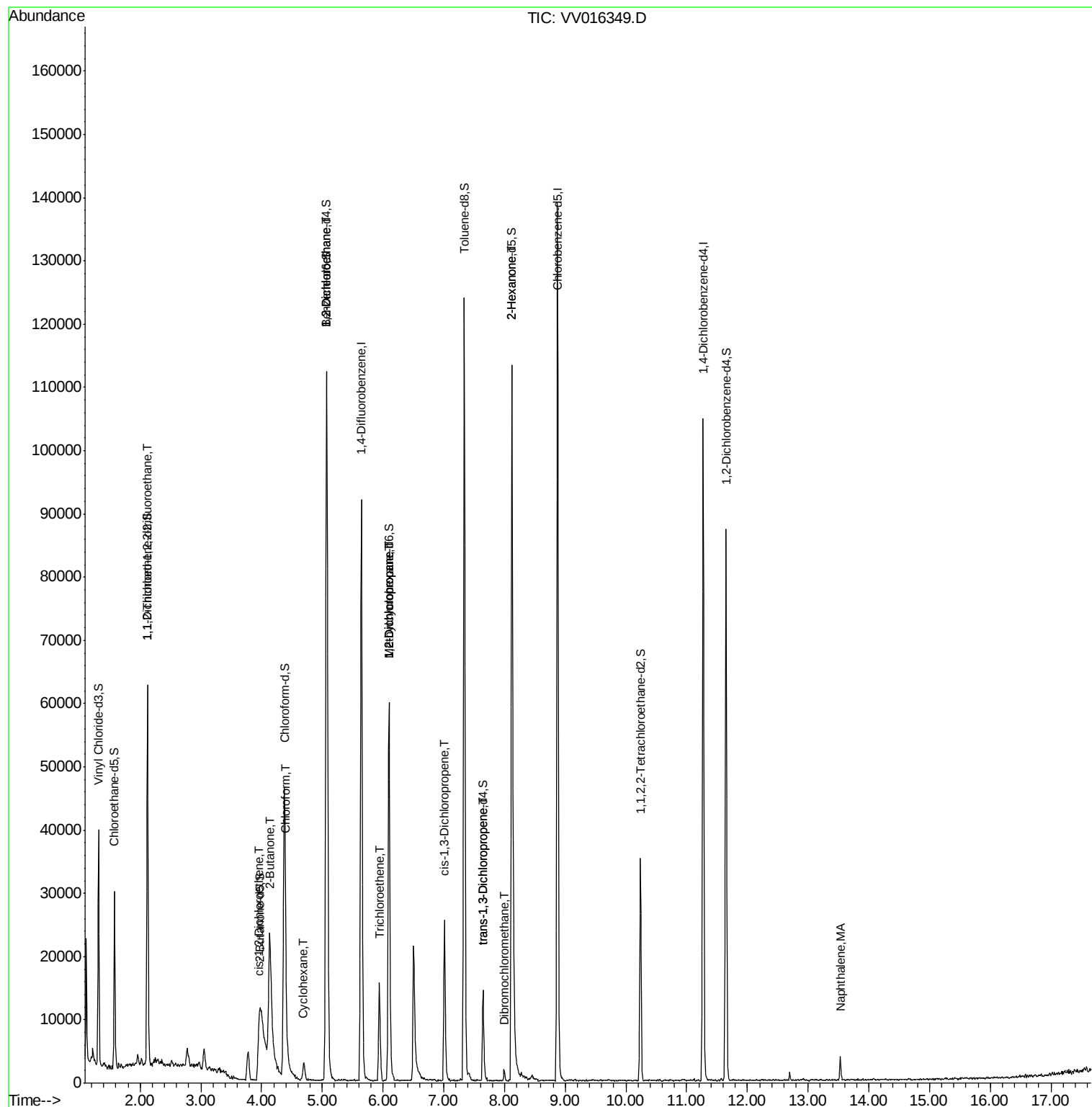
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	484	0.106	ug/L #	47
21) 2-Butanone	4.14	43	48403	37.457	ug/L #	57
22) cis-1,2-Dichloroethene	3.95	96	1278	0.227	ug/L	92
25) Chloroform	4.40	83	2846	0.298	ug/L	98
27) 1,2-Dichloroethane	5.08	62	614	0.098	ug/L #	79
30) Cyclohexane	4.69	56	1352	0.154	ug/L	97
34) Trichloroethene	5.94	95	5430	1.047	ug/L	97
35) Methylcyclohexane	6.10	83	6566	0.751	ug/L #	22
37) 1,2-Dichloropropane	6.10	63	3450	0.707	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	695	0.101	ug/L #	61
46) trans-1,3-Dichloropropene	7.64	75	292	0.051	ug/L #	78
50) 2-Hexanone	8.12	43	6496	3.067	ug/L #	70
51) Dibromochloromethane	7.99	129	365	0.107	ug/L #	10
70) Naphthalene	13.53	128	2911	0.293	ug/L #	89

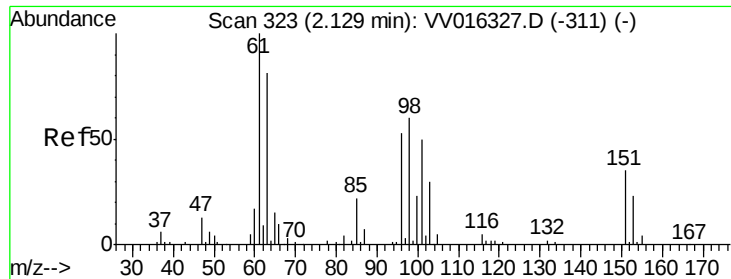
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 00:52:43 2020
Response via : Initial Calibration





#10

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

Concen: 0.106 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016349.D

Acq: 30 May 2020 07:16

Instrument :

MSVOA_V

ClientSampleId :

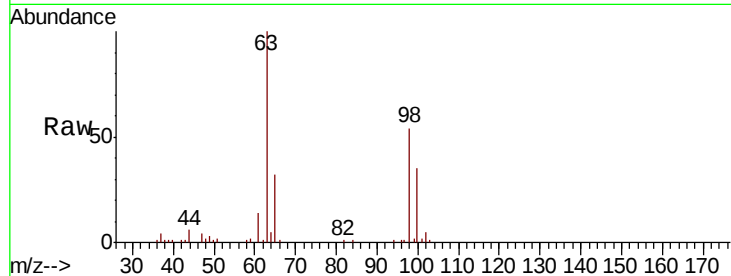
Tot Ion:101 Resp: 484

Ion Ratio Lower Upper

101 100

85 49.8 35.0 52.6

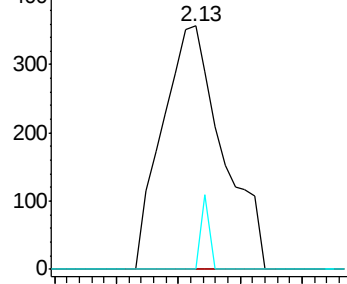
151 4.3 56.3 84.5#



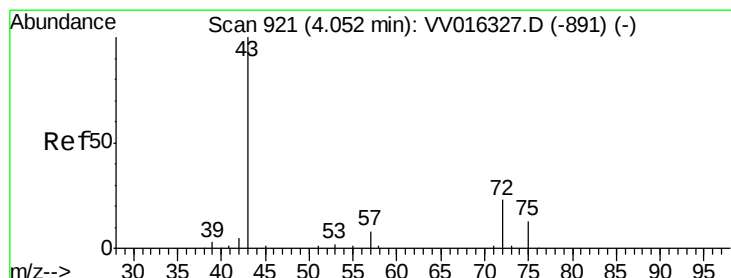
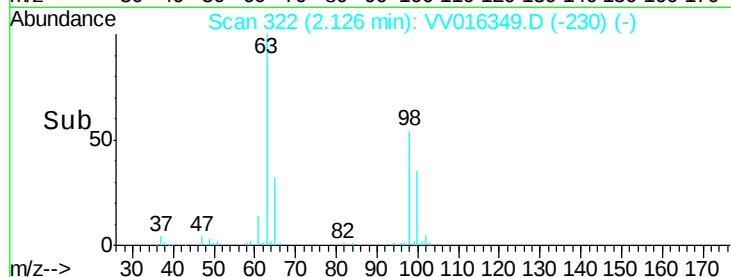
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#21

2-Butanone

Concen: 37.457 ug/L

RT: 4.14 min Scan# 947

Delta R.T. 0.08 min

Lab File: VV016349.D

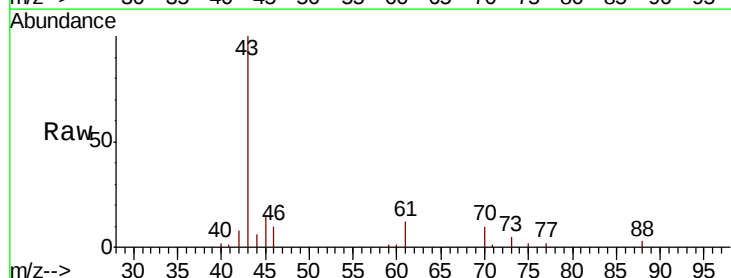
Acq: 30 May 2020 07:16

Tgt Ion: 43 Resp: 48403

Ion Ratio Lower Upper

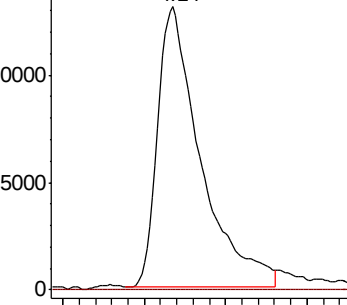
43 100

72 0.0 9.7 28.9#

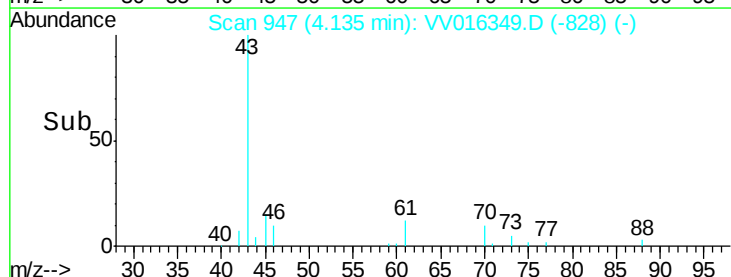


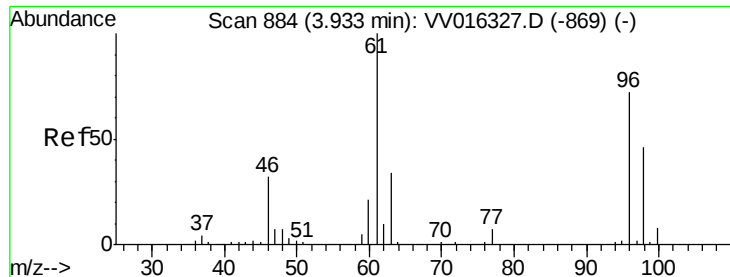
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



Time-->



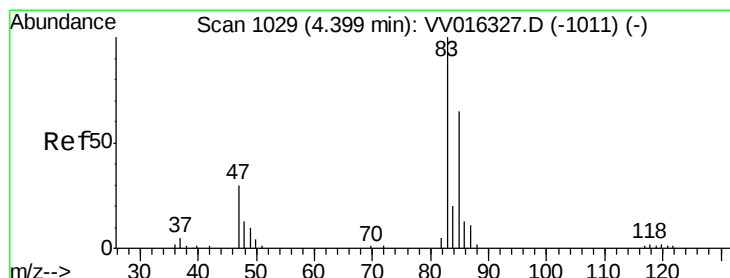
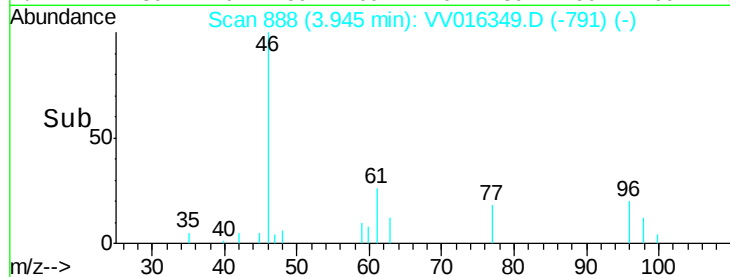
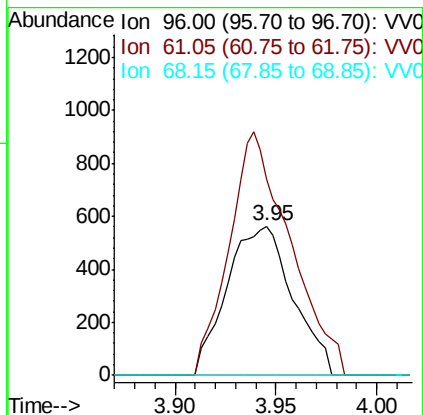
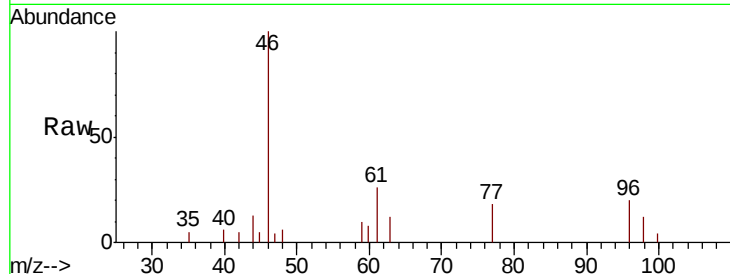


#22

cis-1,2-Dichloroethene
 Concen: 0.227 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

Instrument :
 MSVOA_V
 ClientSampleId :

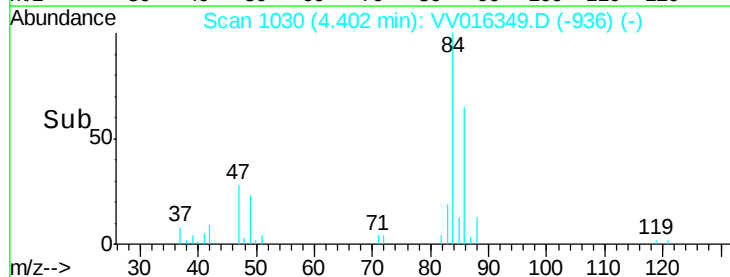
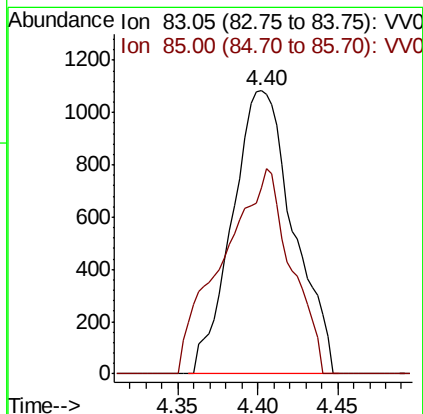
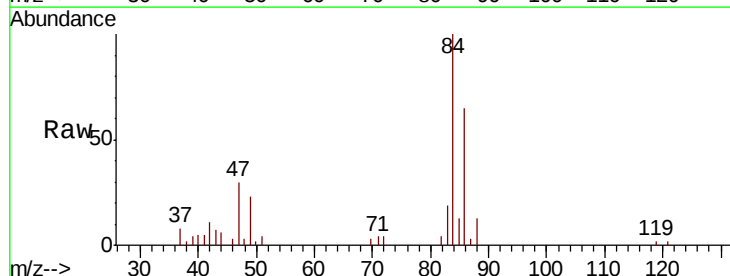
Tot Ion: 96 Resp: 1278
 Ion Ratio Lower Upper
 96 100
 61 132.0 99.7 185.1
 68 0.0 0.0 0.0

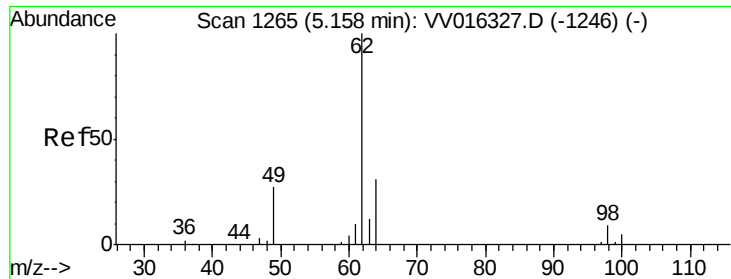


#25

Chloroform
 Concen: 0.298 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

Tgt Ion: 83 Resp: 2846
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.1 83.7

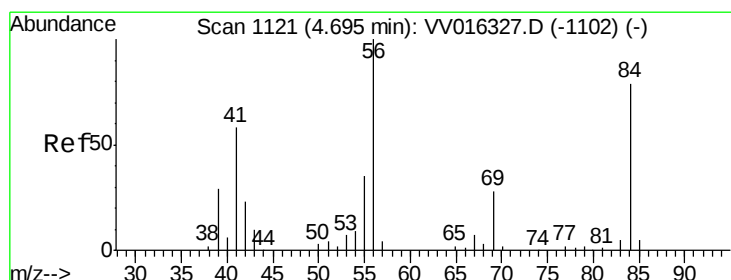
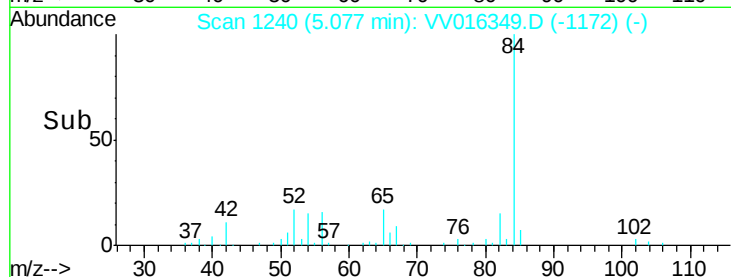
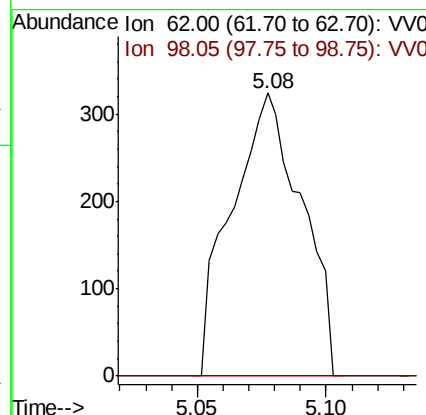
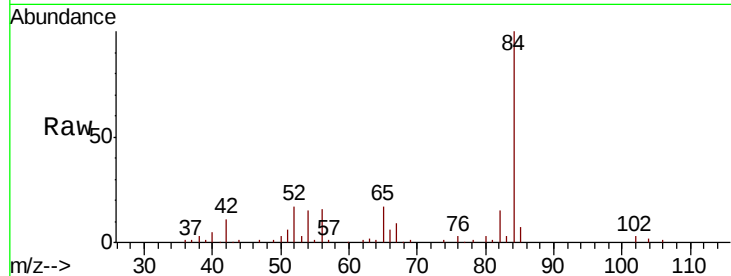




#27
 1,2-Dichloroethane
 Concen: 0.098 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

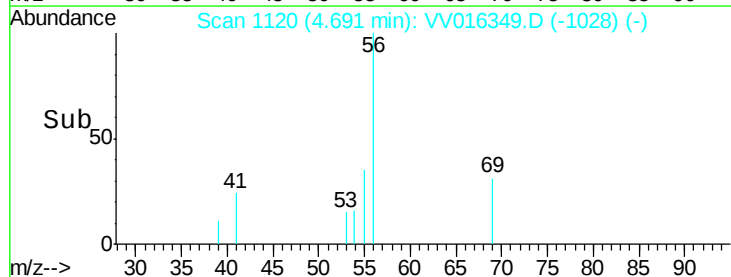
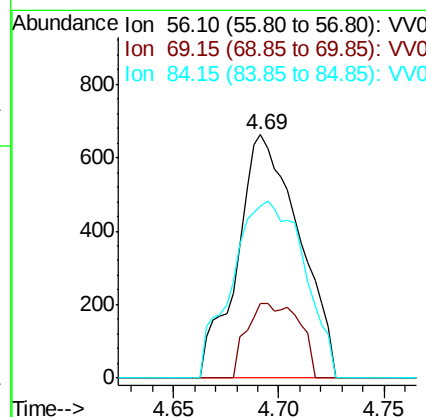
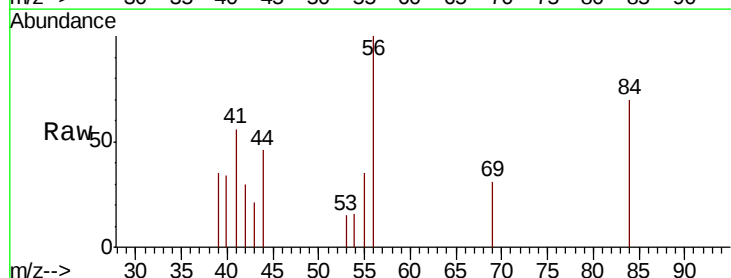
Instrument :
 MSVOA_V
 ClientSampled :

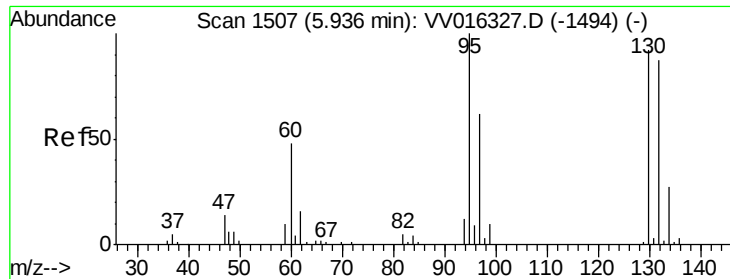
Tot Ion: 62 Resp: 614
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#30
 Cyclohexane
 Concen: 0.154 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

Tgt Ion: 56 Resp: 1352
 Ion Ratio Lower Upper
 56 100
 69 25.9 24.6 36.8
 84 84.8 67.1 100.7

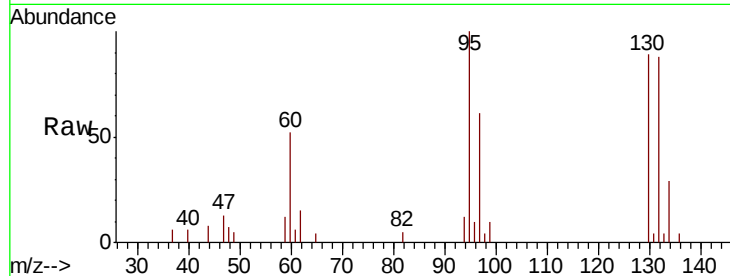




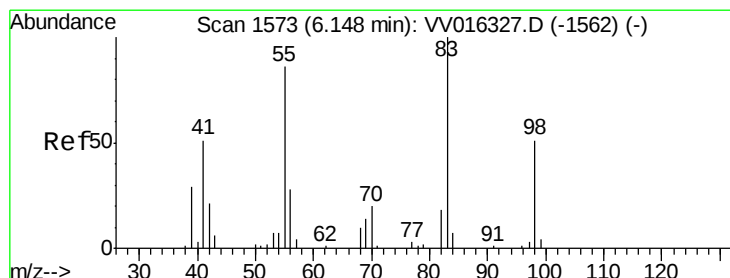
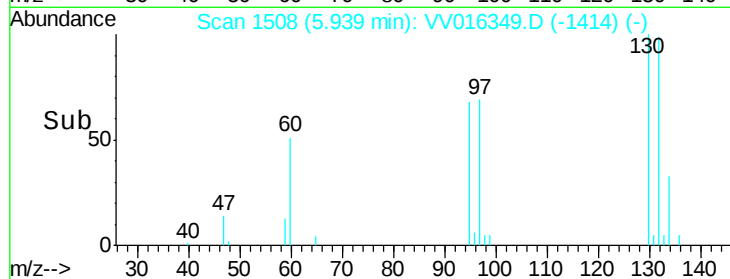
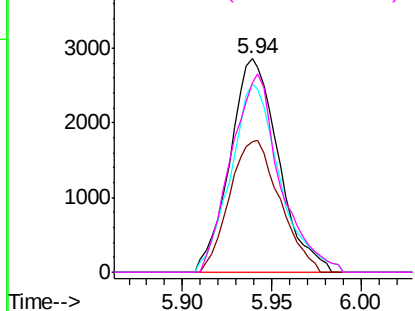
#34
 Trichloroethene
 Concen: 1.047 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 5430
 Ion Ratio Lower Upper
 95 100
 97 61.3 43.6 81.0
 132 88.3 63.9 118.7
 130 88.8 65.2 121.0

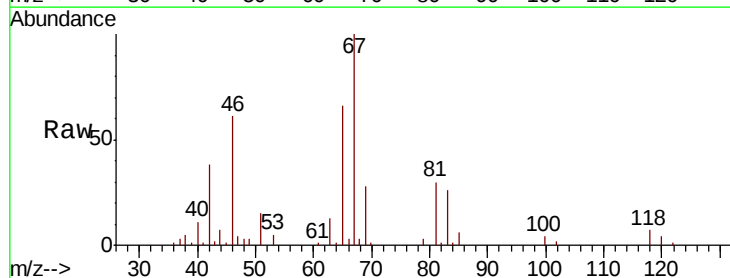


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

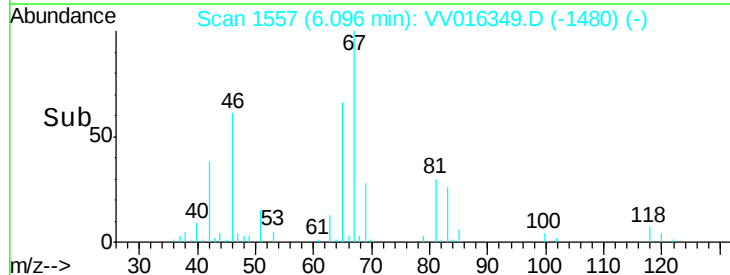
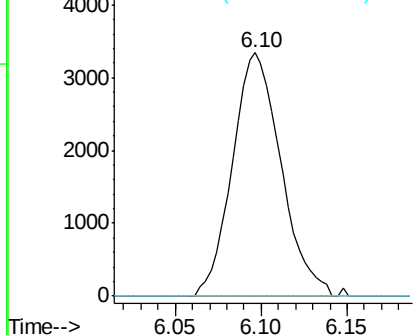


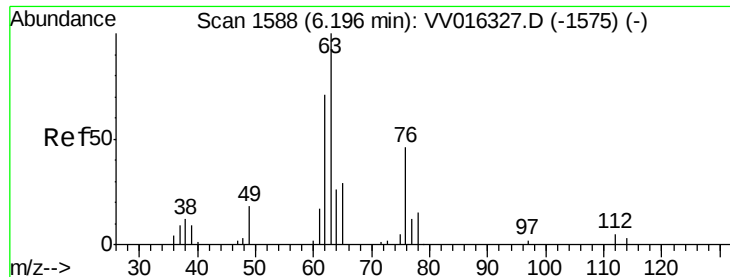
#35
 Methylcyclohexane
 Concen: 0.751 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016349.D
 Acq: 30 May 2020 07:16

Tgt Ion: 83 Resp: 6566
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.4 98.0#
 98 10.9 39.3 58.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.707 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016349.D

Acq: 30 May 2020 07:16

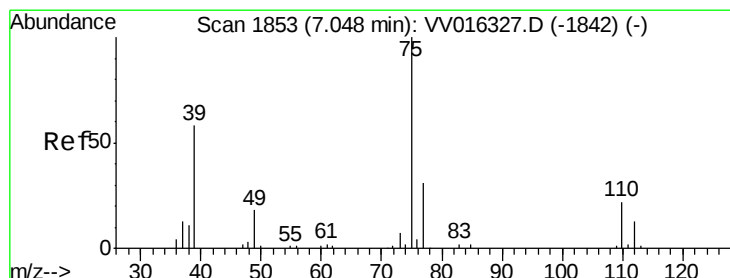
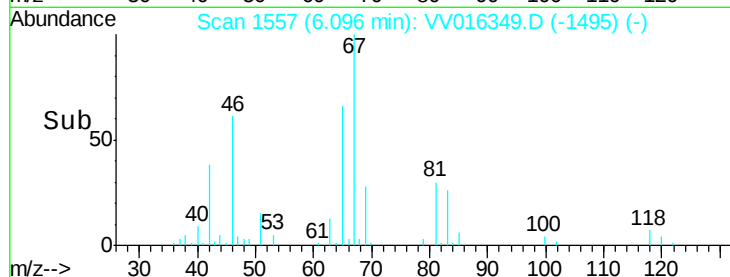
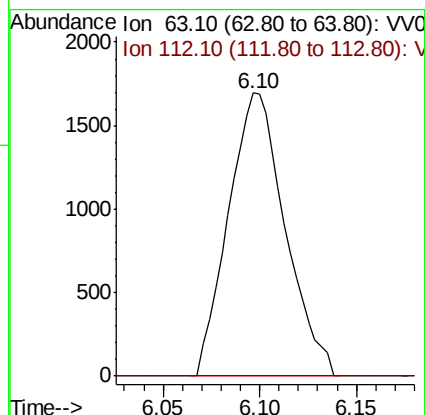
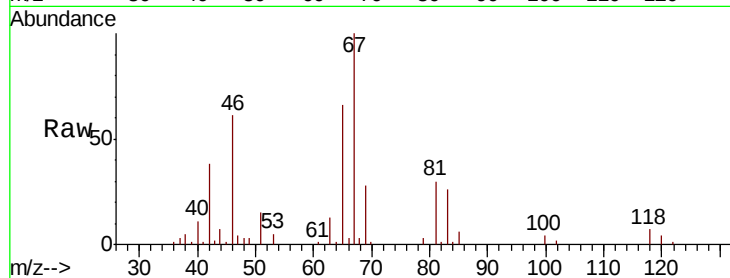
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 3450

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV016349.D

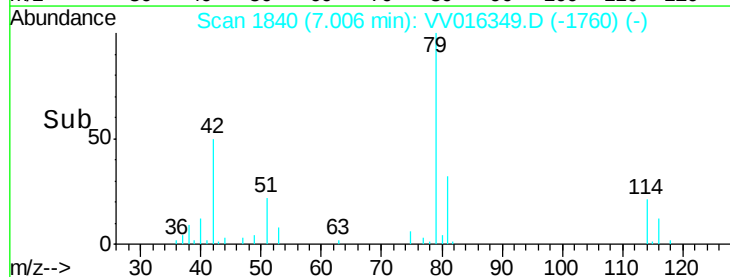
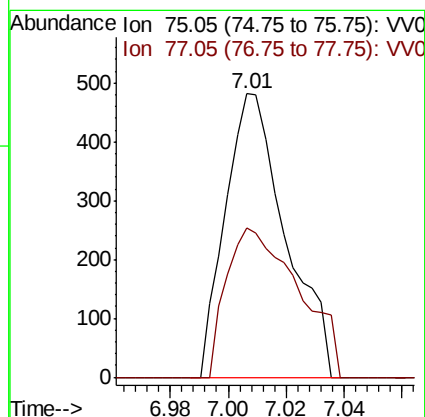
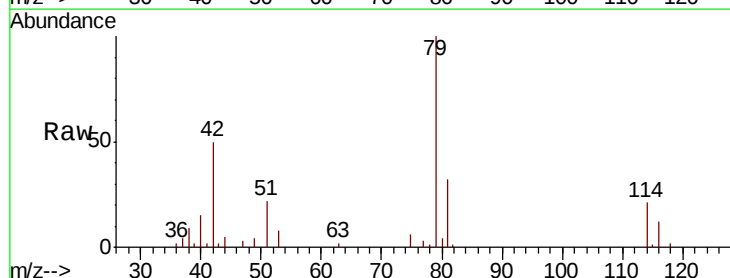
Acq: 30 May 2020 07:16

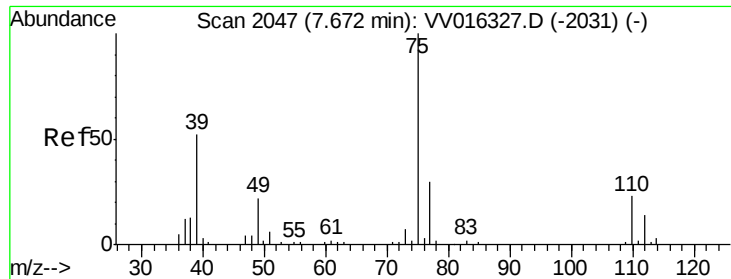
Tgt Ion: 75 Resp: 695

Ion Ratio Lower Upper

75 100

77 52.7 21.7 40.3#

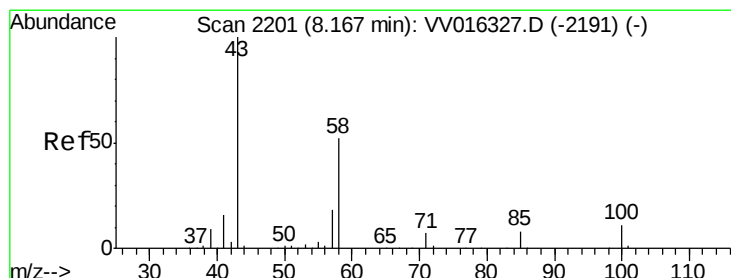
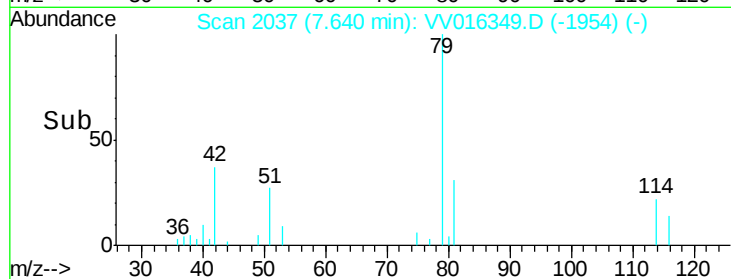
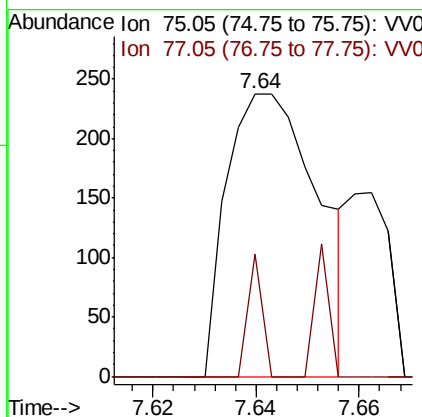
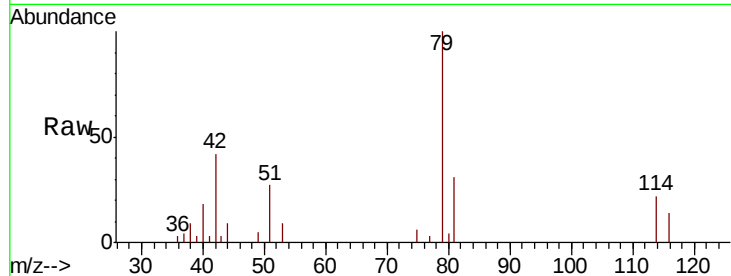




#46
trans-1,3-Dichloropropene
Concen: 0.051 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV016349.D
Acq: 30 May 2020 07:16

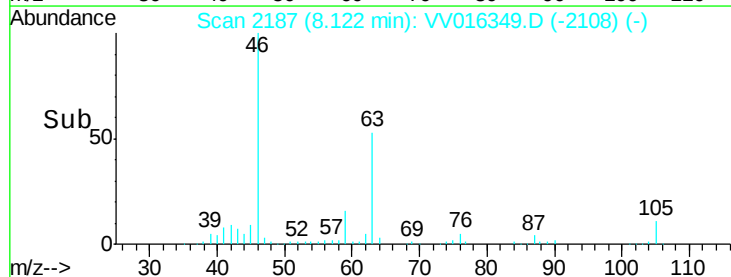
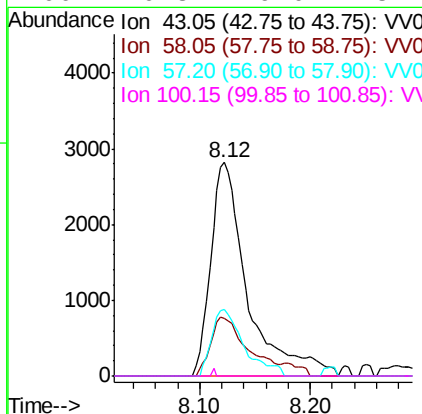
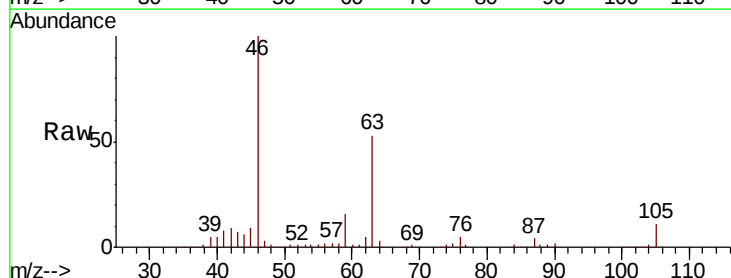
Instrument :
MSVOA_V
ClientSampled :

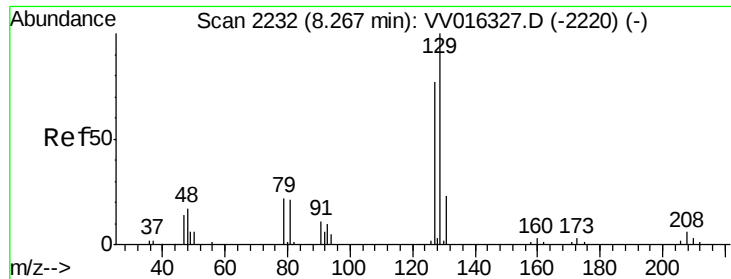
Tot Ion: 75 Resp: 292
Ion Ratio Lower Upper
75 100
77 43.3 21.7 40.3#



#50
2-Hexanone
Concen: 3.067 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.05 min
Lab File: VV016349.D
Acq: 30 May 2020 07:16

Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
58 27.8 41.4 62.0#
57 27.3 15.0 22.4#
100 0.3 9.0 13.4#





#51

Dibromochloromethane

Concen: 0.107 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV016349.D

Acq: 30 May 2020 07:16

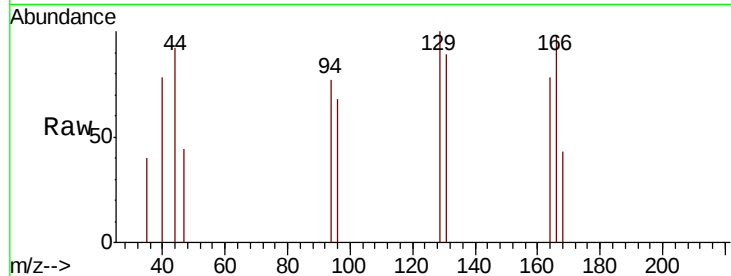
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 365

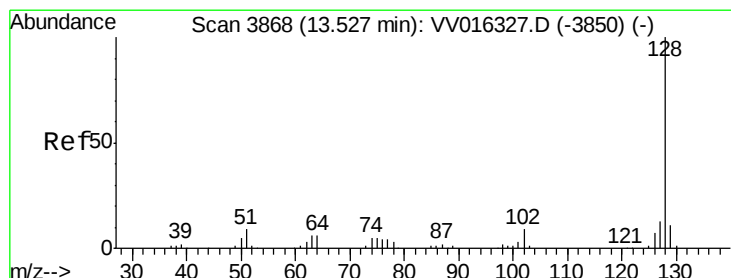
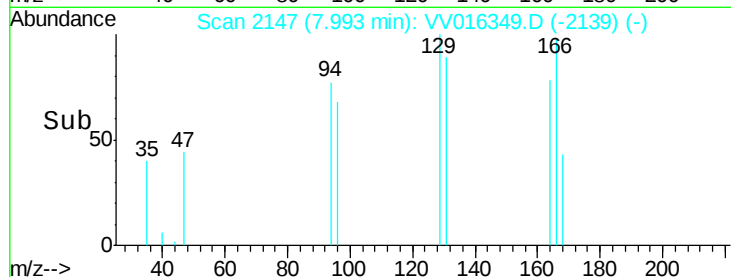
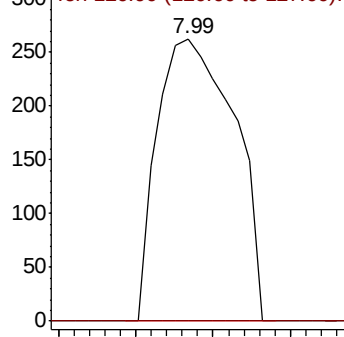
Ion Ratio Lower Upper

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: 0.293 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016349.D

Acq: 30 May 2020 07:16

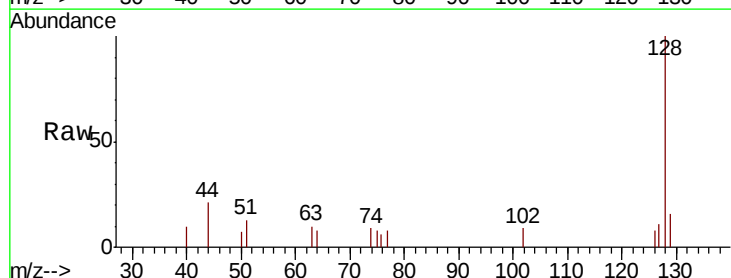
Tgt Ion:128 Resp: 2911

Ion Ratio Lower Upper

128 100

129 9.5 8.6 13.0

127 6.4 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

