

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018434.D
 Acq On : 24 Sep 2020 17:29
 Operator : SY/MD
 Sample : L4109-17 20X
 Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 25 04:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 04:36:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	306207	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293133	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	148171	59.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.76%
7) Chloroethane-d5	1.58	69	133589	65.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	130.84%#
11) 1,1-Dichloroethene-d2	2.12	63	231090	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.96%
21) 2-Butanone-d5	3.91	46	266576	174.53	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	174.53%#
24) Chloroform-d	4.38	84	333227	76.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	153.92%#
26) 1,2-Dichloroethane-d4	5.06	65	219101	78.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	157.88%#
32) Benzene-d6	5.08	84	681911	81.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	162.52%#
36) 1,2-Dichloropropane-d6	6.09	67	222717	83.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	167.06%#
41) Toluene-d8	7.34	98	629920	82.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	164.74%#
43) trans-1,3-Dichloropropene-	7.64	79	112763	83.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	166.44%#
47) 2-Hexanone-d5	8.11	63	193470	191.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	191.56%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	295644	88.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	176.68%#
64) 1,2-Dichlorobenzene-d4	11.65	152	287054	89.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	179.44%#

Target Compounds

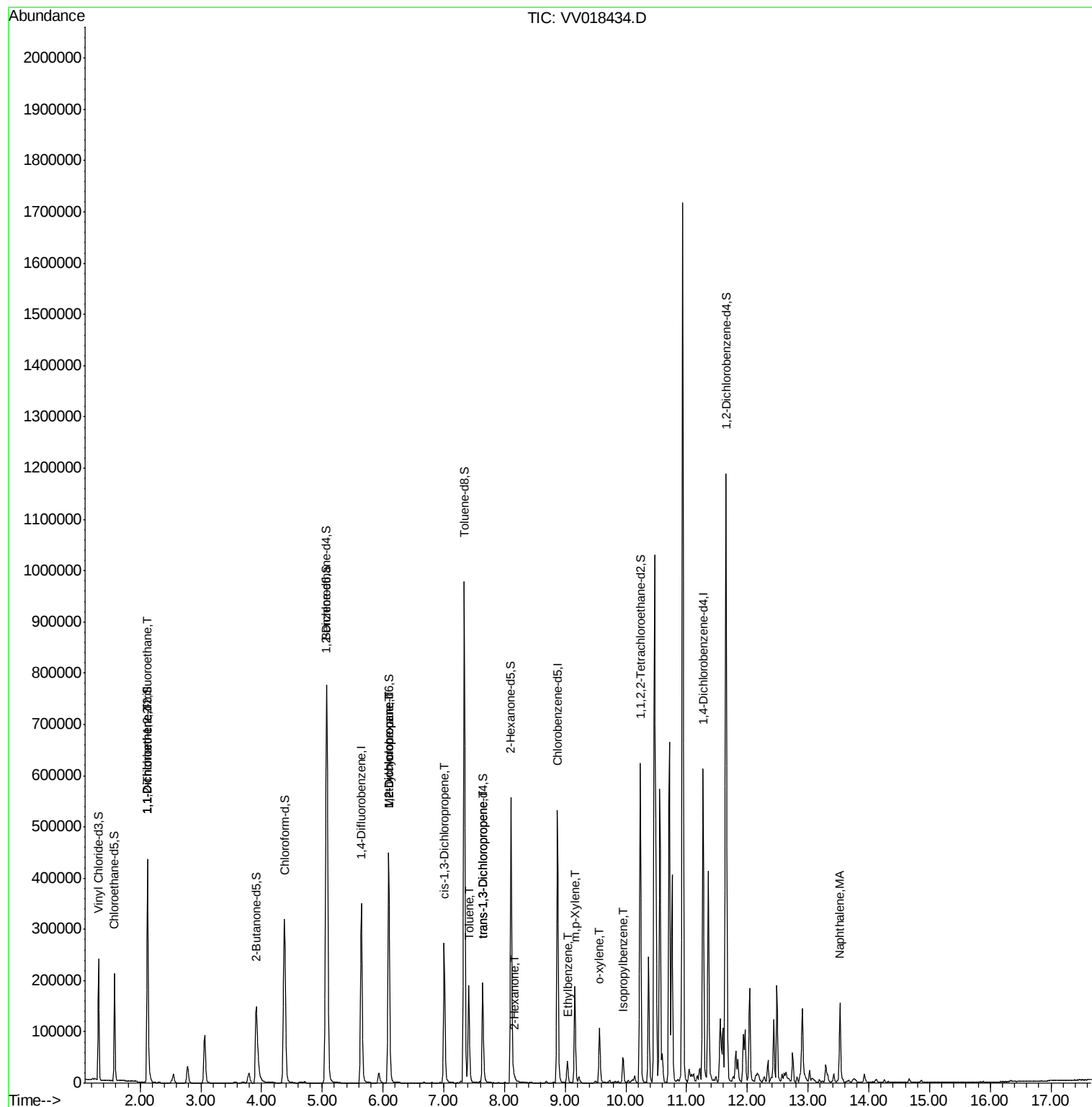
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2243	1.086	ug/L # 21
12) 1,1-Dichloroethene	2.12	96	1896	0.943	ug/L # 1
35) Methylcyclohexane	6.09	83	53990	15.706	ug/L # 18
37) 1,2-Dichloropropane	6.09	63	23207	10.450	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	6348	1.855	ug/L # 66
42) Toluene	7.41	91	140050	15.790	ug/L 100
44) trans-1,3-Dichloropropene	7.64	75	4644	1.394	ug/L 92
48) 2-Hexanone	8.17	43	3683	1.734	ug/L # 42
52) Ethylbenzene	9.04	91	29868	3.085	ug/L 97
53) m,p-Xylene	9.16	106	53383	14.770	ug/L 97
54) o-xylene	9.57	106	28257	8.115	ug/L 97
56) Isopropylbenzene	9.95	105	33665	3.587	ug/L 98
69) Naphthalene	13.52	128	119309	14.498	ug/L 99

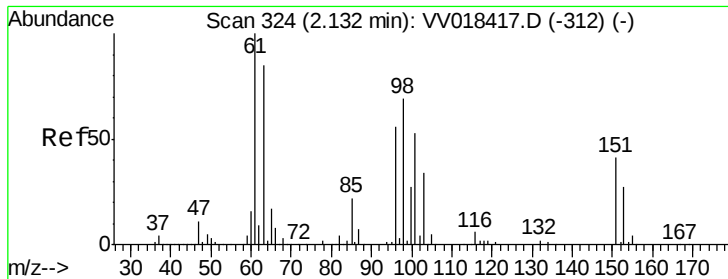
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#10

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

Concen: 1.086 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

Instrument :

MSVOA_V

ClientSampleId :

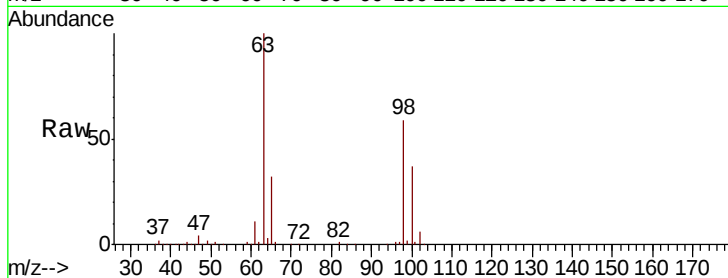
Tot Ion:101 Resp: 2243

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

151 3.3 62.2 93.2#

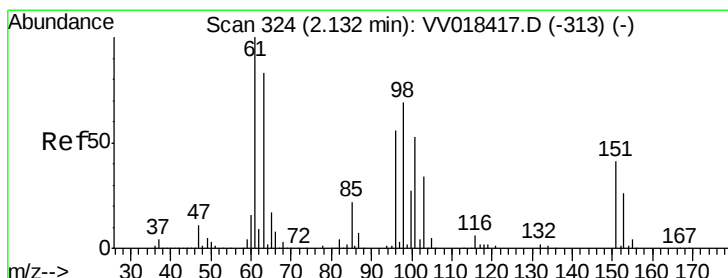
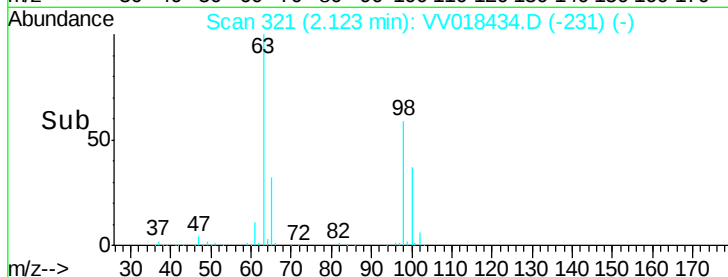


Abundance Ion 101.00 (100.70 to 101.70): VV018434.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018434.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018434.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.943 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

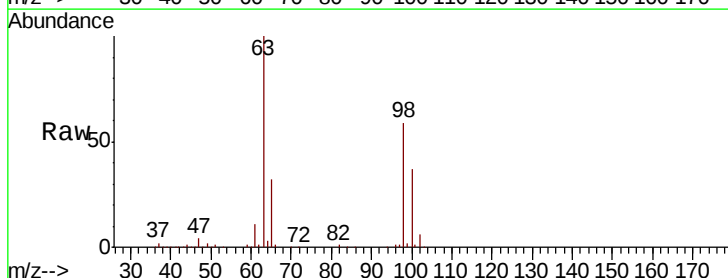
Tgt Ion: 96 Resp: 1896

Ion Ratio Lower Upper

96 100

61 1355.8 122.9 228.3#

63 12436.8 91.9 170.7#

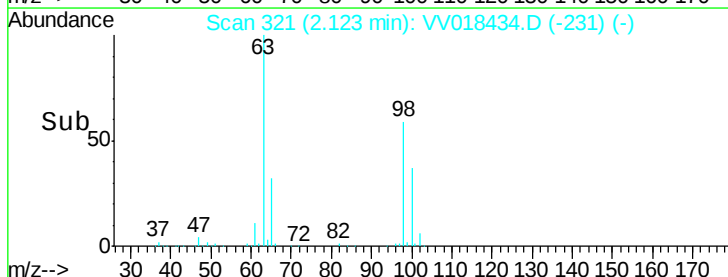


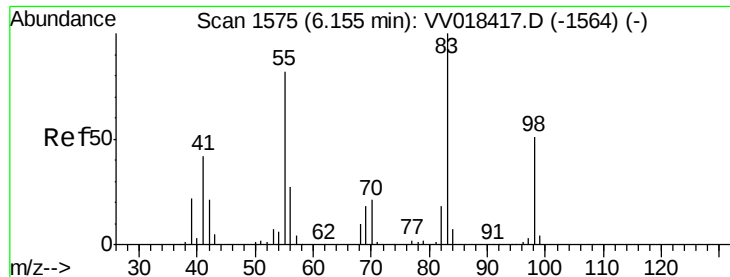
Abundance Ion 96.00 (95.70 to 96.70): VV018434.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018434.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018434.D (-231) (-)

Time-->

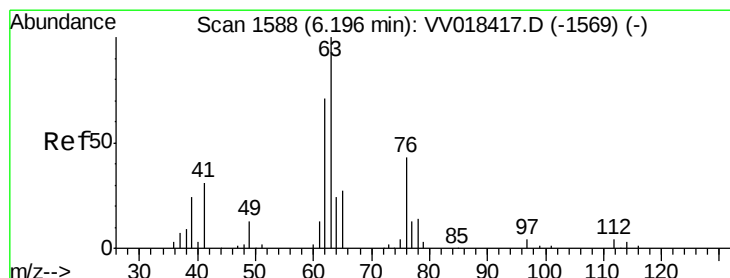
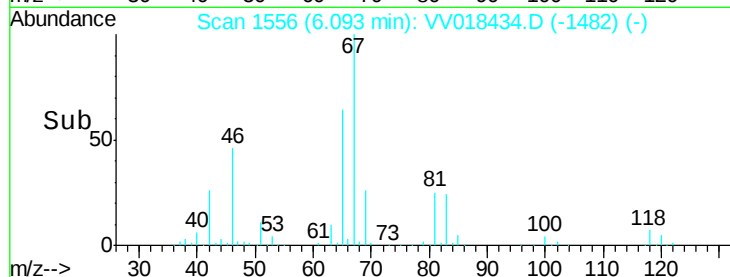
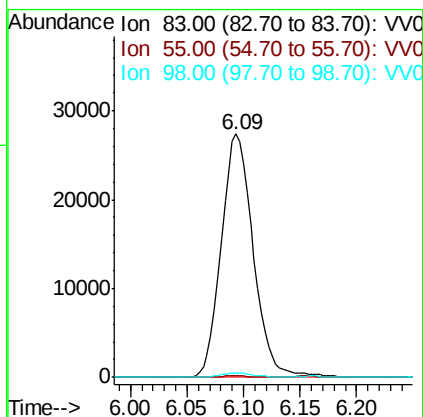
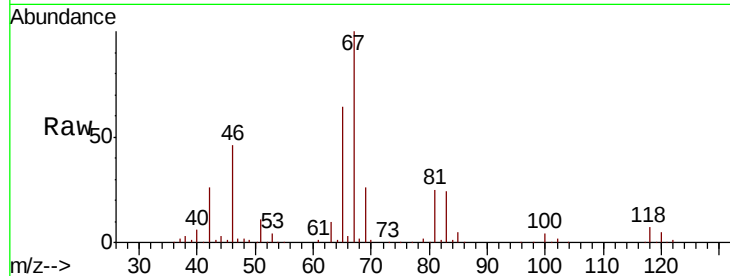




#35
Methvlcvclohexane
Concen: 15.706 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018434.D
Acq: 24 Sep 2020 17:29

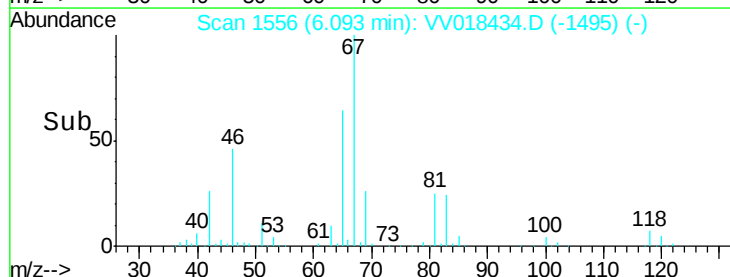
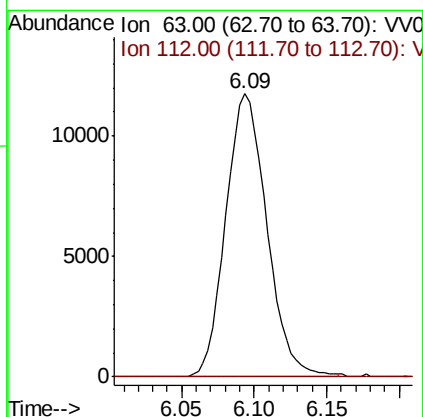
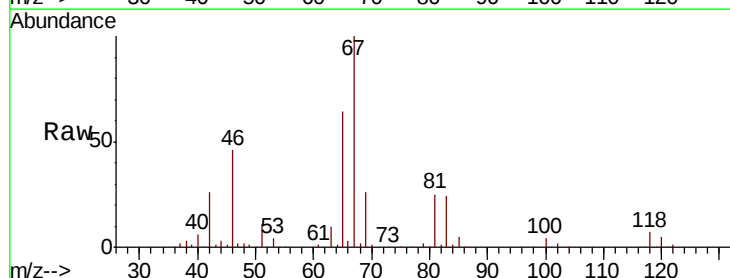
Instrument :
MSVOA_V
ClientSampleId :

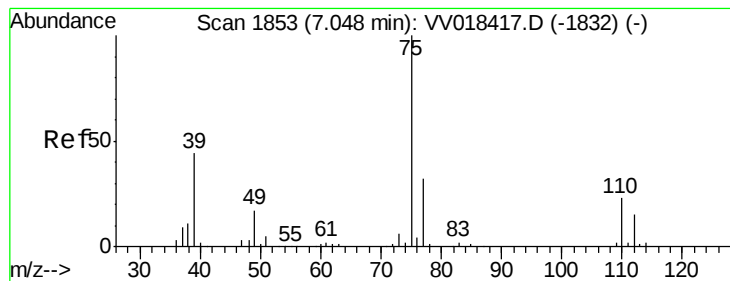
Tot Ion: 83 Resp: 53990
Ion Ratio Lower Upper
83 100
55 0.5 63.4 95.2#
98 1.8 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 10.450 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018434.D
Acq: 24 Sep 2020 17:29

Tgt Ion: 63 Resp: 23207
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



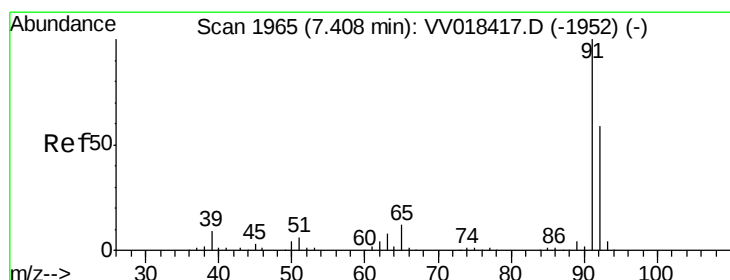
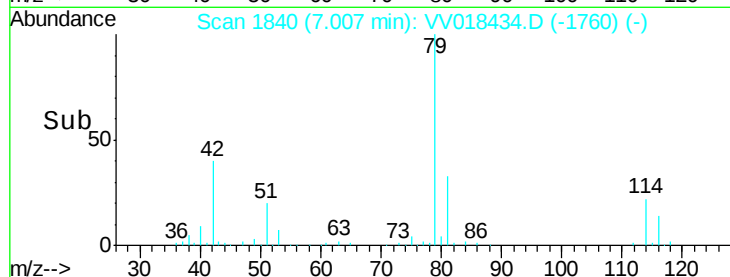
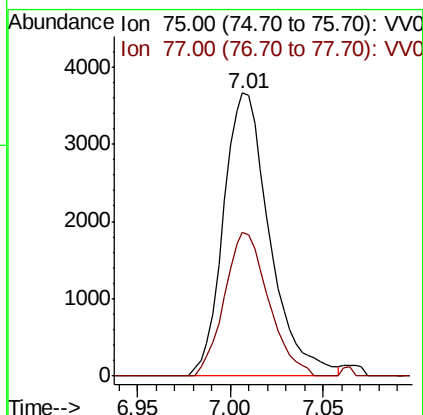
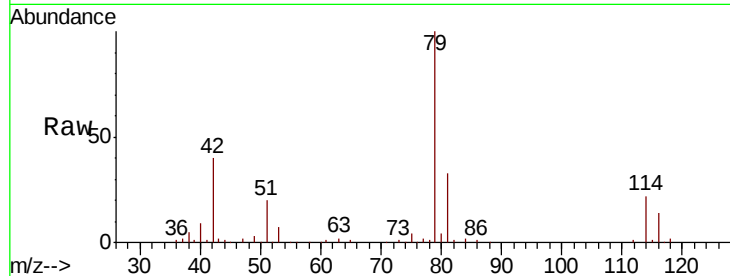


#39

cis-1,3-Dichloropropene
 Concen: 1.855 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018434.D
 Acq: 24 Sep 2020 17:29

Instrument :
 MSVOA_V
 ClientSampleId :

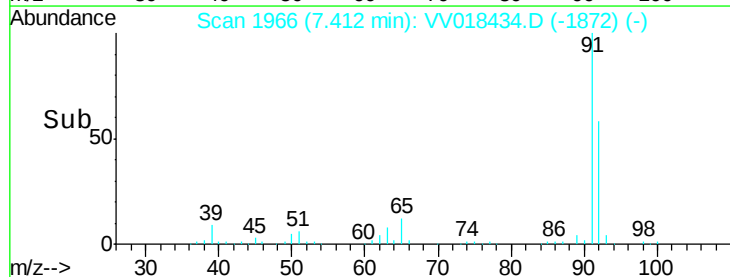
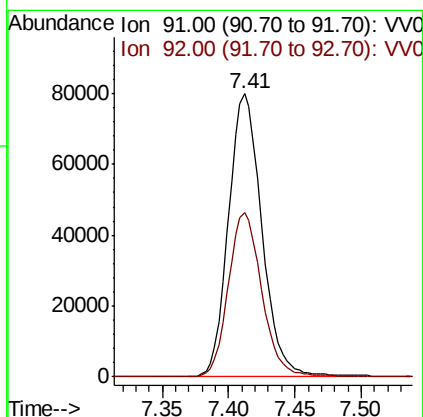
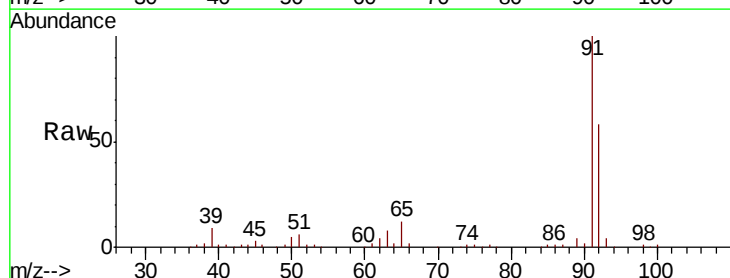
Tot Ion: 75 Resp: 6348
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.3 41.3#

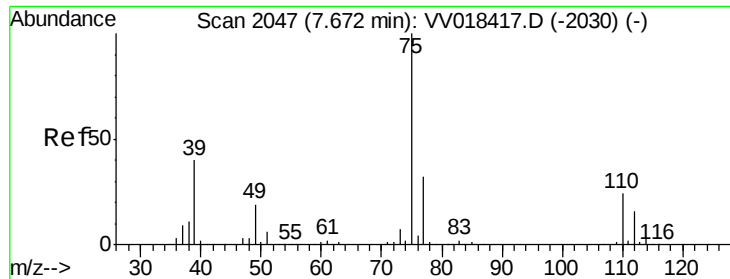


#42

Toluene
 Concen: 15.790 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV018434.D
 Acq: 24 Sep 2020 17:29

Tgt Ion: 91 Resp: 140050
 Ion Ratio Lower Upper
 91 100
 92 57.9 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 1.394 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

Instrument :

MSVOA_V

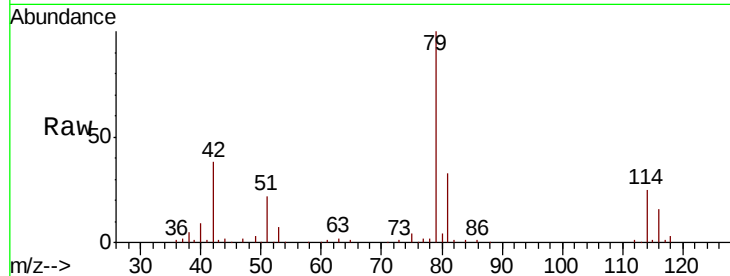
ClientSampleId :

Tot Ion: 75 Resp: 4644

Ion Ratio Lower Upper

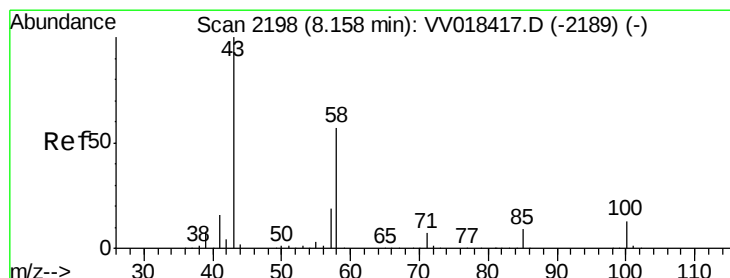
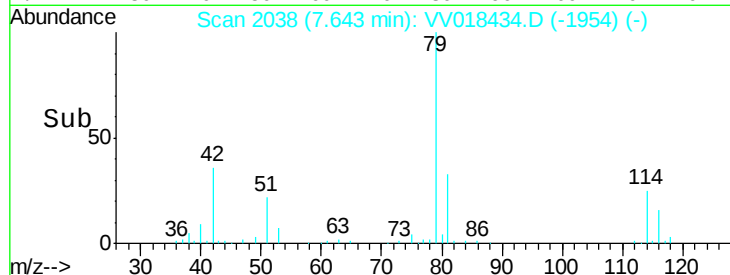
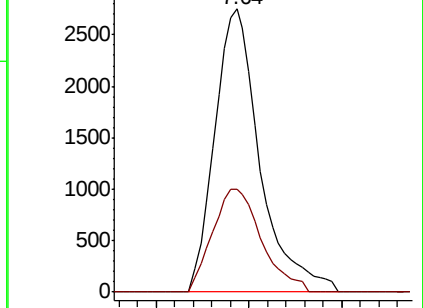
75 100

77 36.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018417.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018417.D (-2030) (-)



#48

2-Hexanone

Concen: 1.734 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

Tgt Ion: 43 Resp: 3683

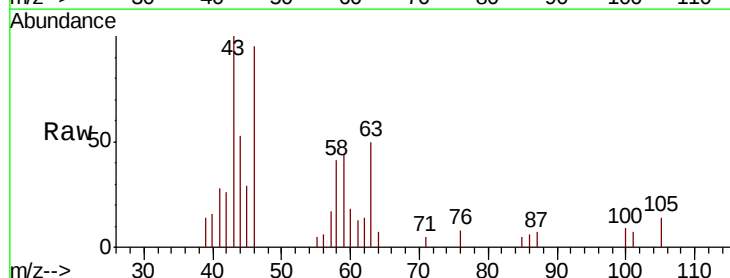
Ion Ratio Lower Upper

43 100

58 0.0 44.8 67.2#

57 8.0 15.8 23.6#

100 1.8 10.2 15.4#

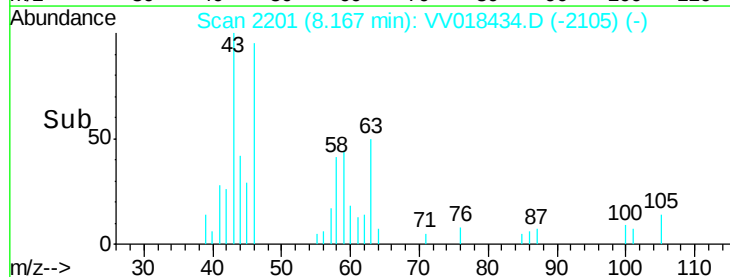
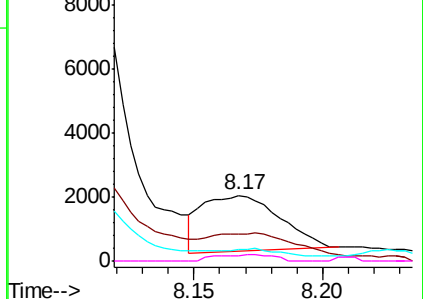


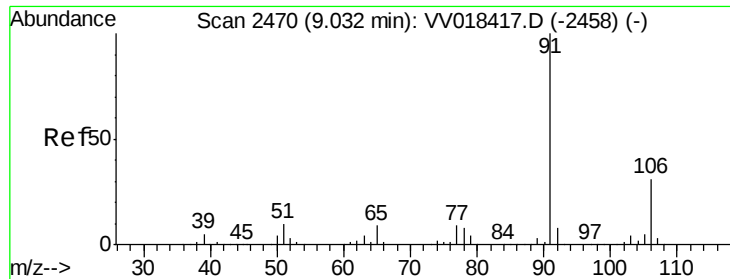
Abundance Ion 43.00 (42.70 to 43.70): VV018417.D (-2189) (-)

Ion 58.00 (57.70 to 58.70): VV018417.D (-2189) (-)

Ion 57.00 (56.70 to 57.70): VV018417.D (-2189) (-)

Ion 100.00 (99.70 to 100.70): VV018417.D (-2189) (-)

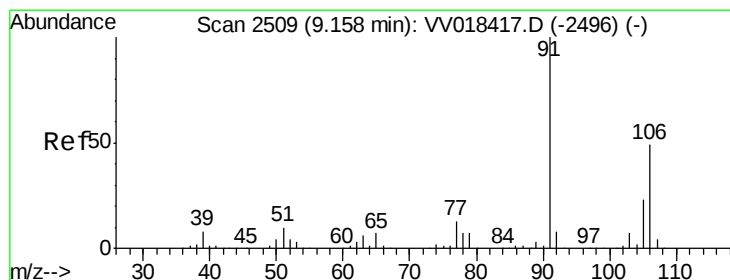
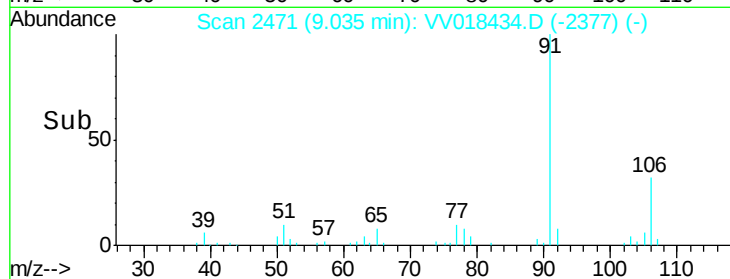
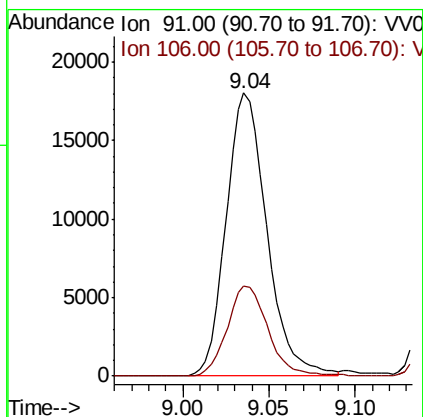
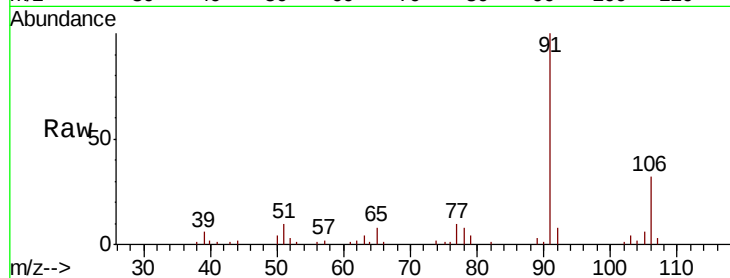




#52
Ethylbenzene
Concen: 3.085 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018434.D
Acq: 24 Sep 2020 17:29

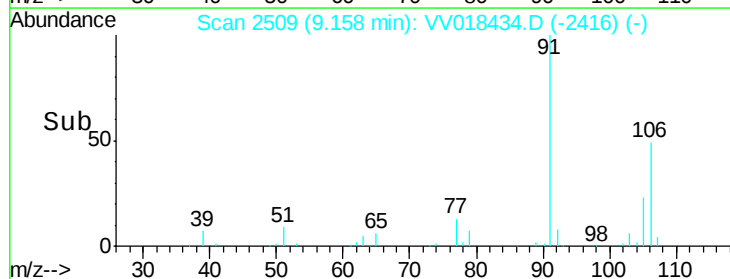
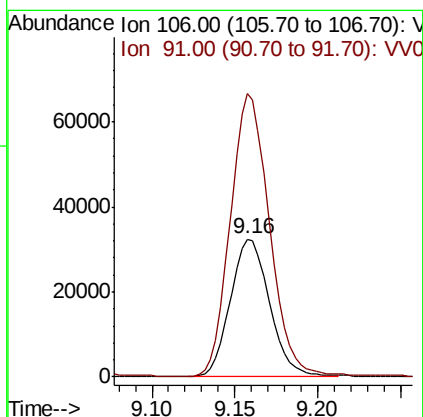
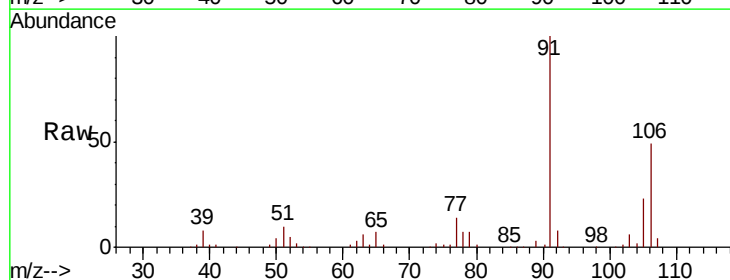
Instrument :
MSVOA_V
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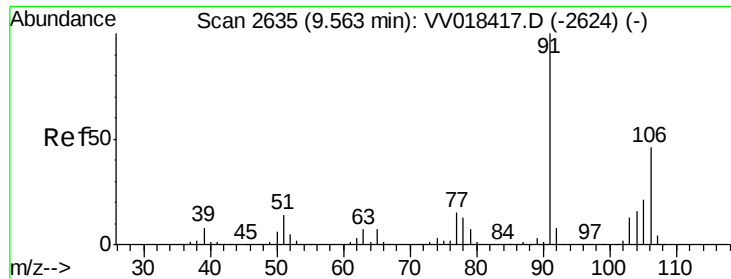
Tot Ion: 91 Resp: 29868
Ion Ratio Lower Upper
91 100
106 31.9 21.3 39.5



#53
m,p-Xylene
Concen: 14.770 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018434.D
Acq: 24 Sep 2020 17:29

Tgt Ion: 106 Resp: 53383
Ion Ratio Lower Upper
106 100
91 205.6 146.7 272.5





#54

o-xylene

Concen: 8.115 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

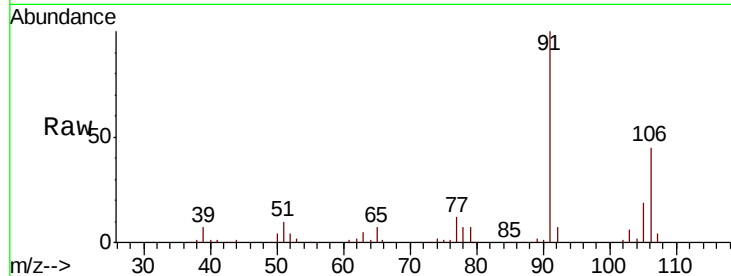
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 28257

Ion Ratio Lower Upper

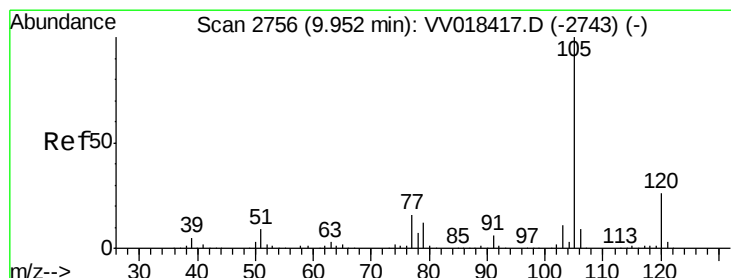
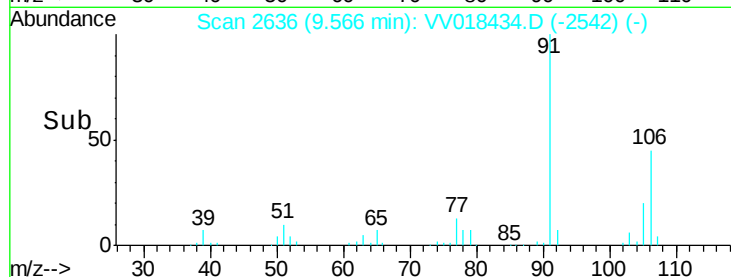
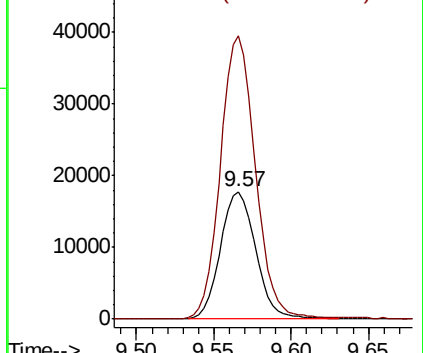
106 100

91 222.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 3.587 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

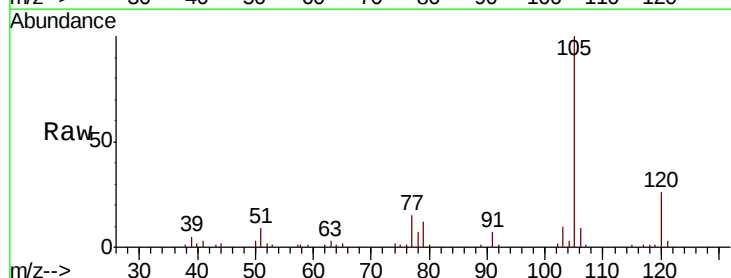
Tgt Ion:105 Resp: 33665

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

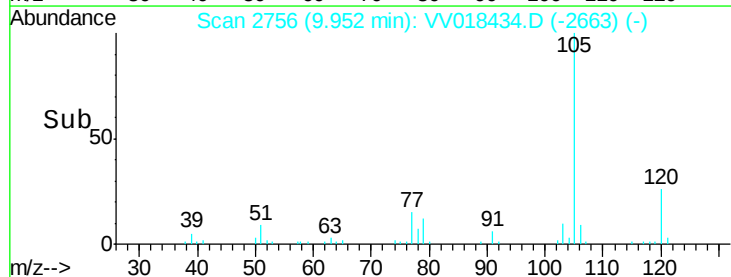
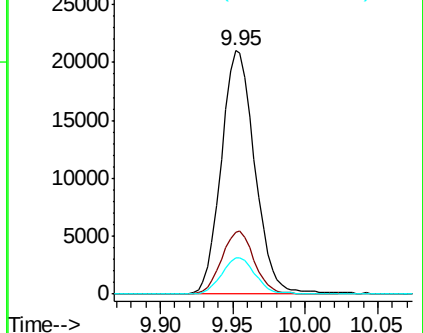
77 15.0 12.5 18.7

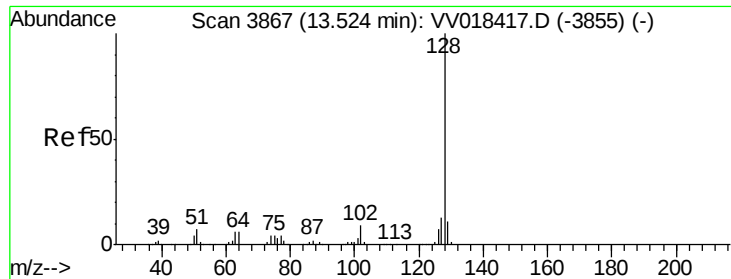


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#69

Naphthalene

Concen: 14.498 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

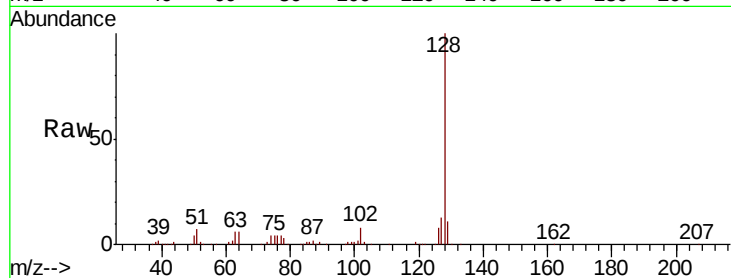
Lab File: VV018434.D

Acq: 24 Sep 2020 17:29

Instrument :

MSVOA_V

ClientSampleId :



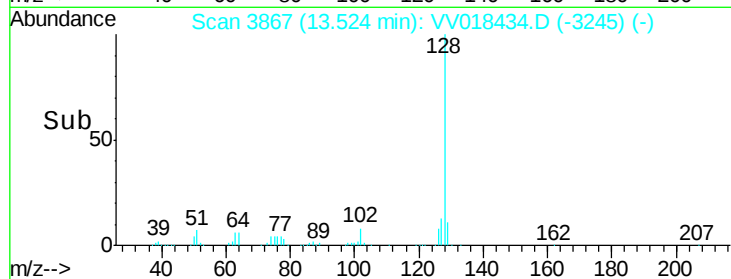
Tot Ion:128 Resp: 119309

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.0 8.6 13.0



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

