

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017646.D
 Acq On : 24 Jul 2020 14:03
 Operator : SY/MD
 Sample : L3395-15DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:09:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	177763	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	170553	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	92971	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37807	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	31006	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.12	63	66655	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	3.94	46	89546	44.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.20%
24) Chloroform-d	4.37	84	91579	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.06	65	50179	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.07	84	170065	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.09	67	46182	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.34	98	160972	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	7.64	79	20036	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	8.12	63	59790	40.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	31239	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	70354	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	758	0.071 ug/L #	23
12) 1,1-Dichloroethene	2.12	96	925	0.097 ug/L #	1
14) Carbon disulfide	2.30	76	2159	0.074 ug/L #	81
15) Methyl Acetate	2.45	43	851	0.275 ug/L	91
16) Methylene chloride	2.52	84	6076	0.570 ug/L	85
21) 2-Butanone	4.12	43	11456	4.268 ug/L #	52
25) Chloroform	4.42	83	5148	0.209 ug/L #	52
27) 1,2-Dichloroethane	5.12	62	2836	0.178 ug/L #	84
30) Cyclohexane	4.70	56	17852	0.944 ug/L	96
33) Benzene	5.12	78	363539	7.530 ug/L	100
35) Methylcyclohexane	6.15	83	1864	0.091 ug/L #	54
37) 1,2-Dichloropropane	6.09	63	6488	0.572 ug/L #	84
42) Toluene	7.41	91	112787	2.142 ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	13499	0.275 ug/L	95
44) 1,2,4-Trimethylbenzene	10.94	105	121331	2.415 ug/L	99
46) trans-1,3-Dichloropropene	7.64	75	1153	0.075 ug/L #	52
47) 1,1,2-Trichloroethane	7.81	97	775	0.090 ug/L #	38

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
Data File : VV017646.D
Acq On : 24 Jul 2020 14:03
Operator : SY/MD
Sample : L3395-15DL 10X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jul 25 00:09:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration

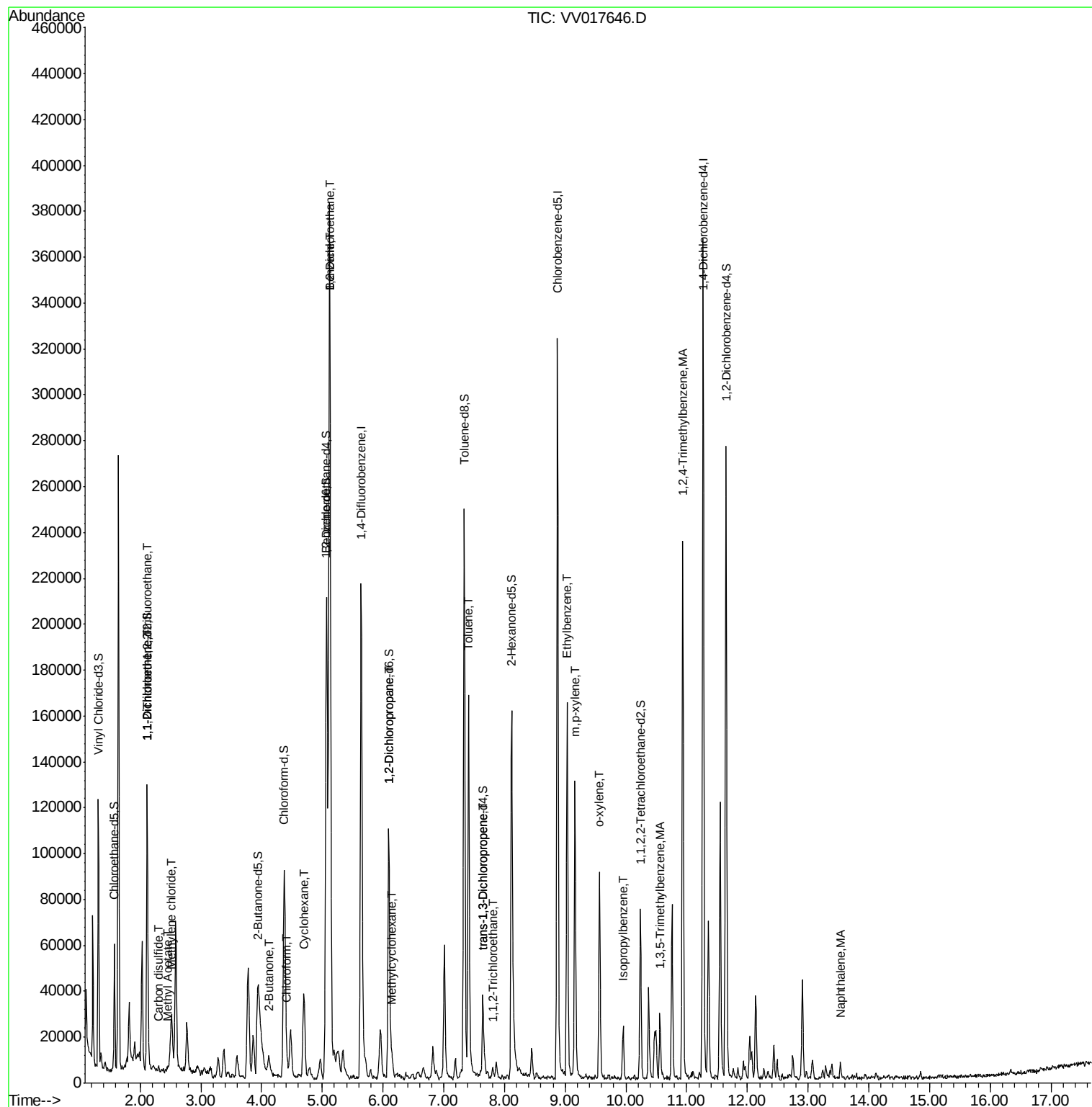
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) Ethylbenzene	9.03	91	106989	1.814	ug/L	100
55) m,p-xylene	9.16	106	34440	1.551	ug/L	95
56) o-xylene	9.57	106	23115	1.073	ug/L	92
58) Isopropylbenzene	9.95	105	13293	0.224	ug/L	98
70) Naphthalene	13.53	128	4671	0.165	ug/L	96

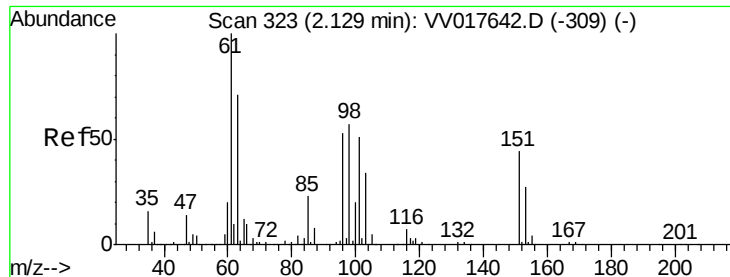
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV072420\
Data File : VV017646.D
Acq On : 24 Jul 2020 14:03
Operator : SY/MD
Sample : L3395-15DL 10X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jul 25 00:09:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration





#10

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

Concen: 0.071 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

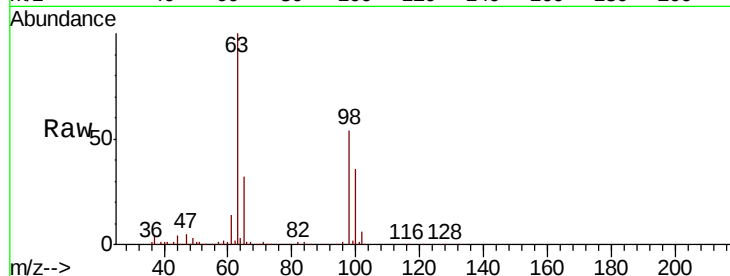
Tot Ion:101 Resp: 758

Ion Ratio Lower Upper

101 100

85 9.6 34.6 51.8#

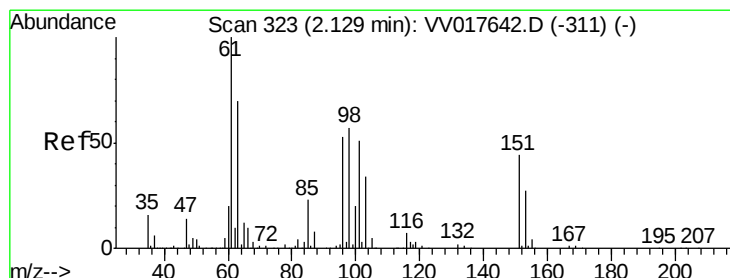
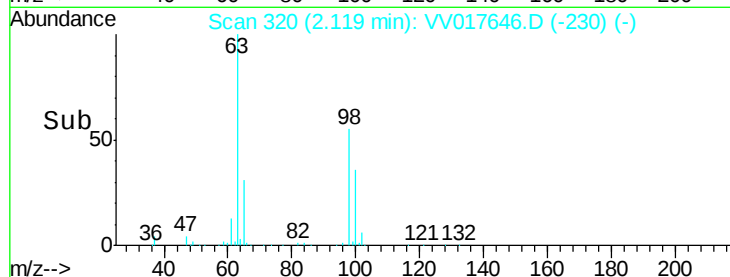
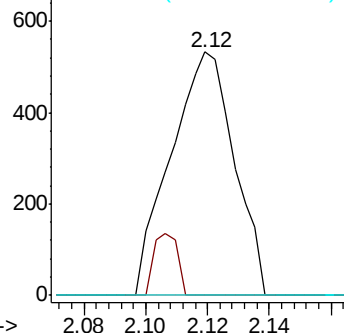
151 0.0 63.5 95.3#



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



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

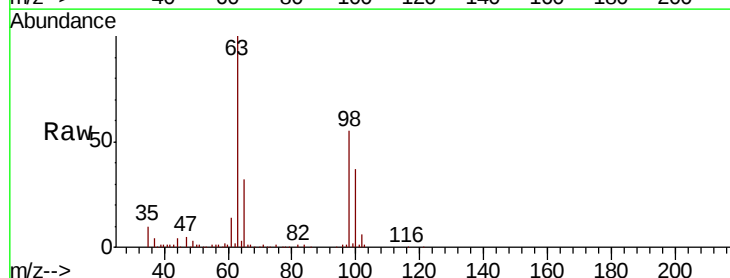
Tgt Ion: 96 Resp: 925

Ion Ratio Lower Upper

96 100

61 1104.8 123.1 228.7#

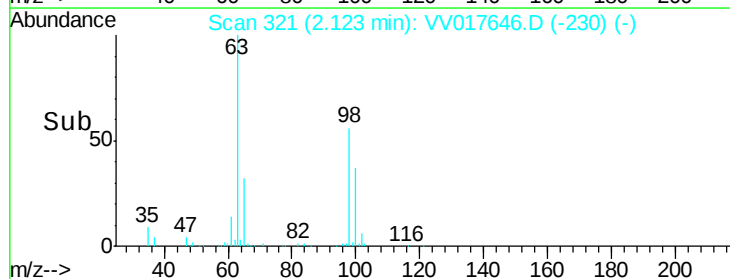
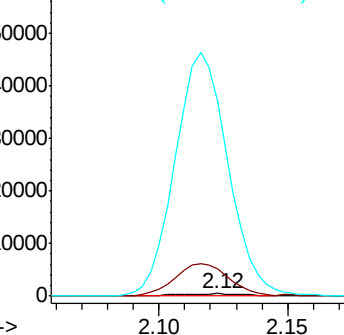
63 8012.1 91.2 169.4#

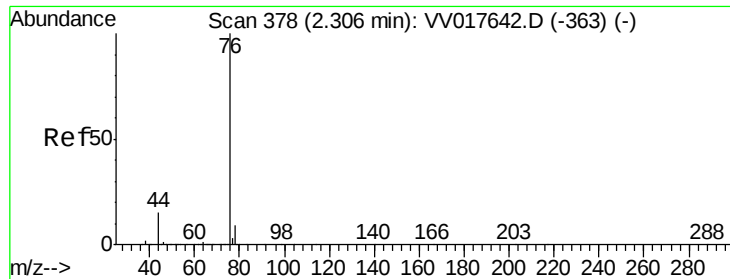


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

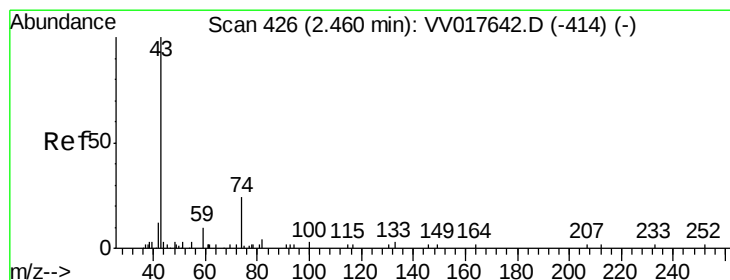
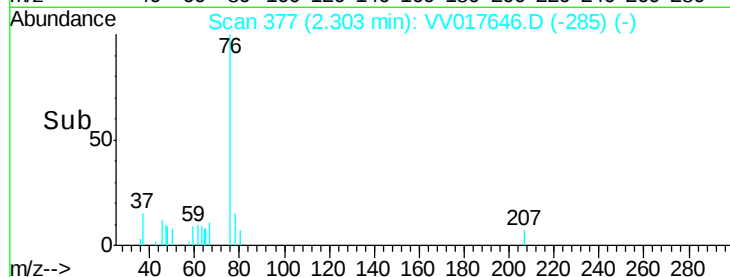
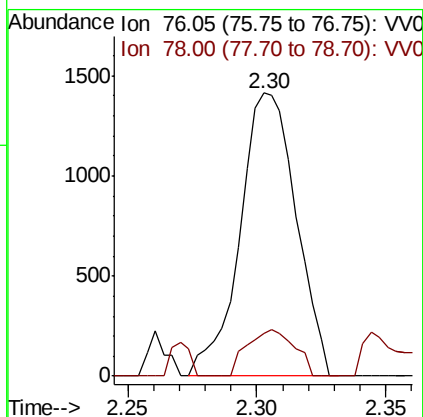
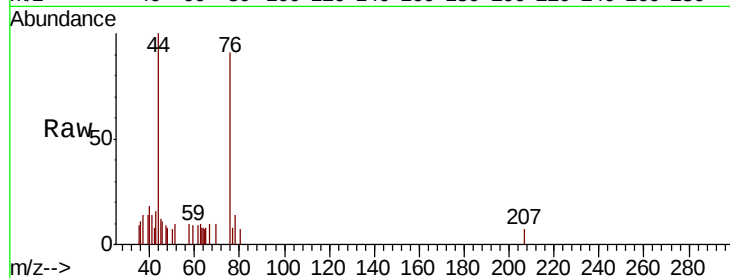




#14
Carbon disulfide
Concen: 0.074 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

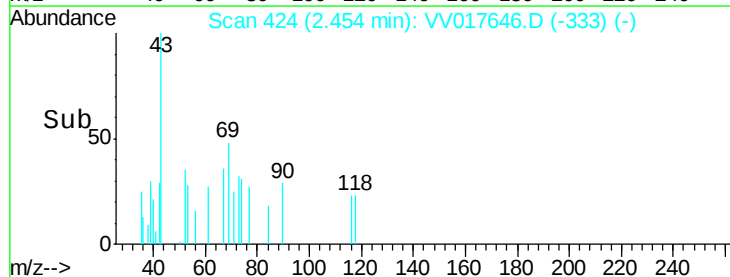
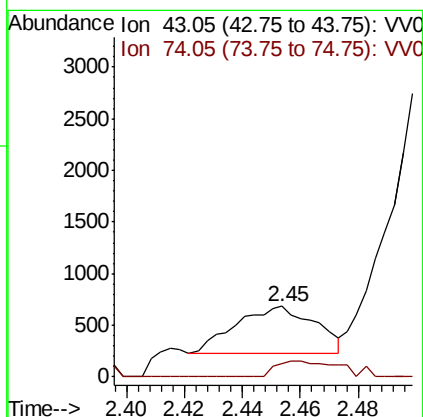
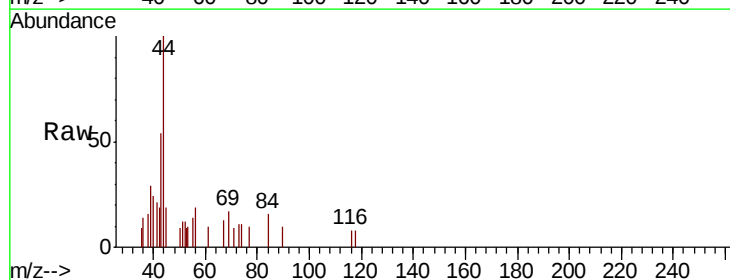
Instrument :
MSVOA_V
ClientSampleId :

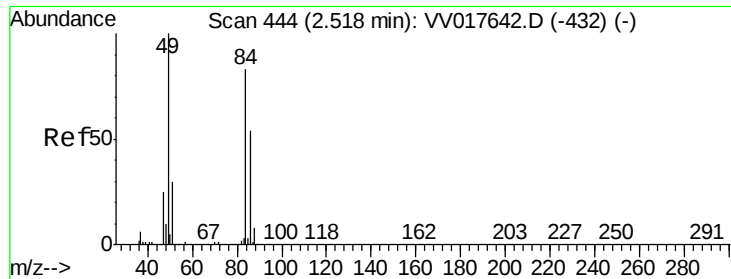
Tot Ion: 76 Resp: 2159
Ion Ratio Lower Upper
76 100
78 15.2 6.6 10.0#



#15
Methyl Acetate
Concen: 0.275 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
74 28.2 26.6 40.0

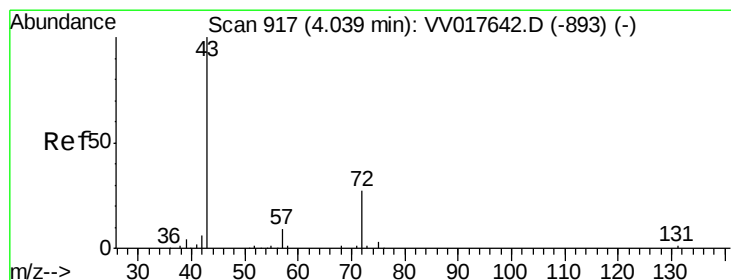
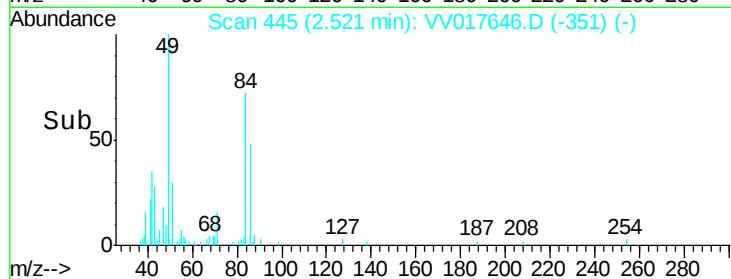
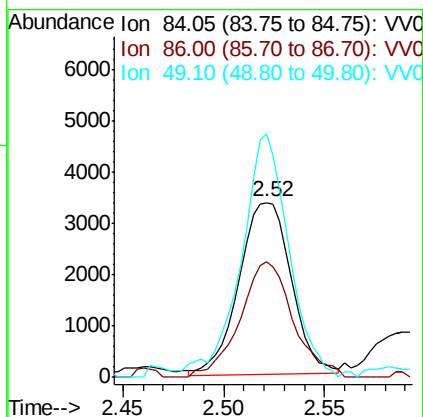
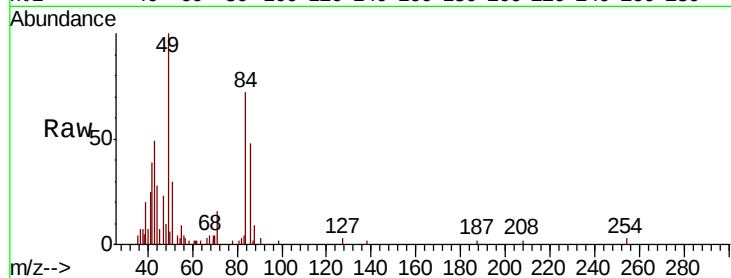




#16
Methvlene chloride
Concen: 0.570 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

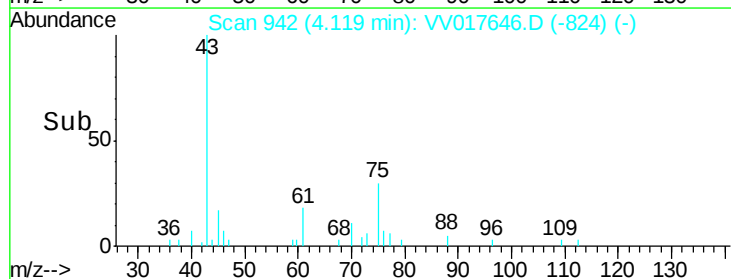
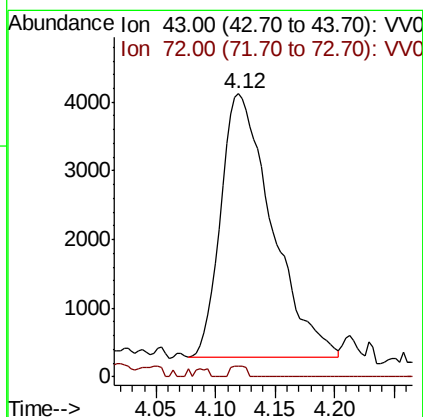
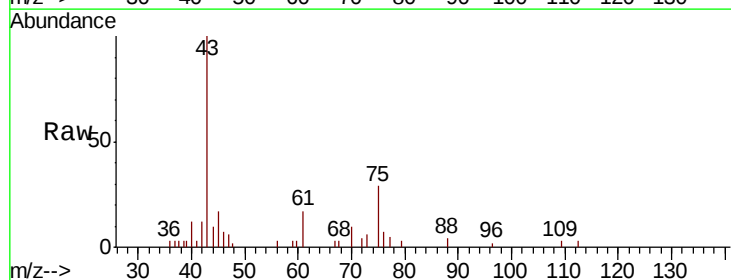
Instrument :
MSVOA_V
ClientSampleId :

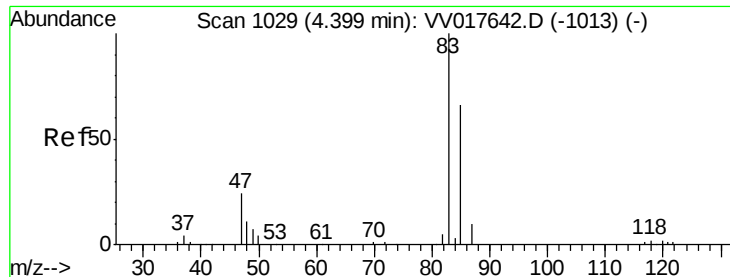
Tot Ion: 84 Resp: 6076
Ion Ratio Lower Upper
84 100
86 66.3 46.5 86.3
49 139.3 79.2 147.2



#21
2-Butanone
Concen: 4.268 ug/L
RT: 4.12 min Scan# 942
Delta R.T. 0.08 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

Tgt Ion: 43 Resp: 11456
Ion Ratio Lower Upper
43 100
72 1.3 13.0 38.9#

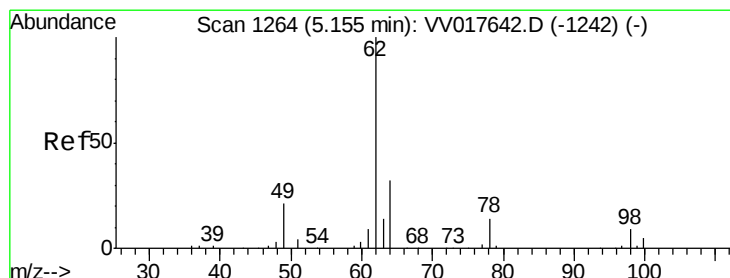
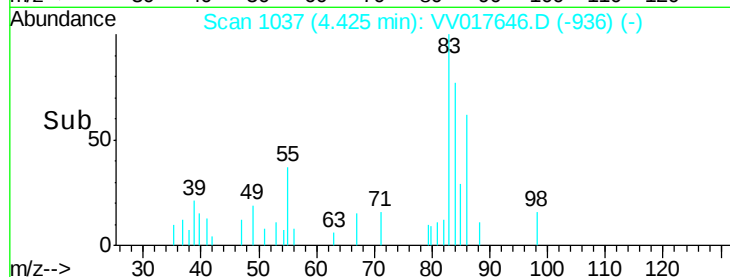
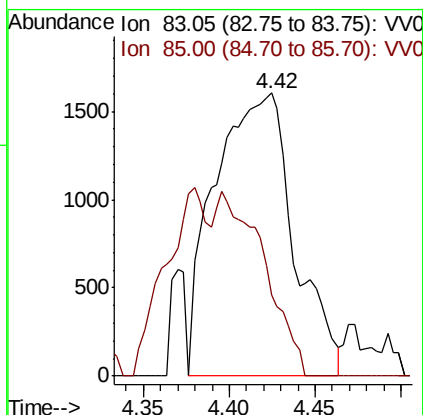
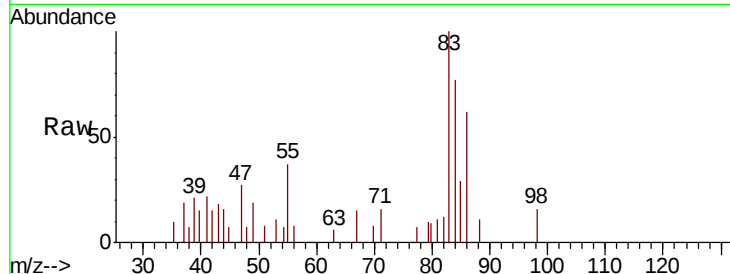




#25
 Chloroform
 Concen: 0.209 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.03 min
 Lab File: VV017646.D
 Acq: 24 Jul 2020 14:03

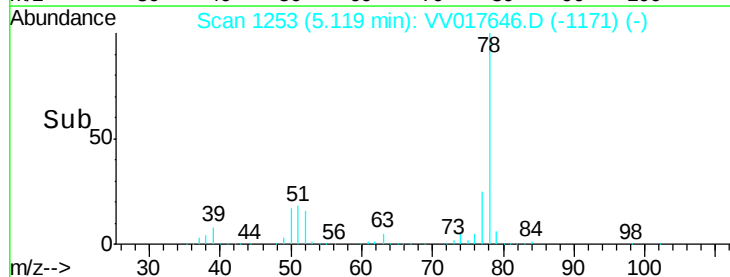
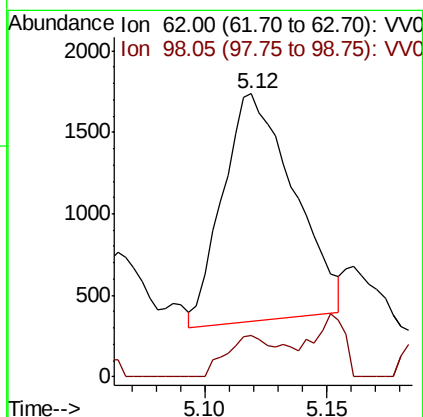
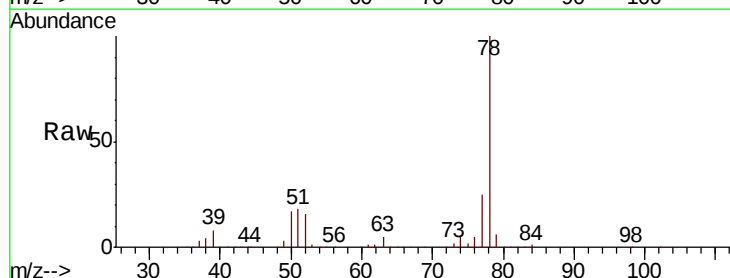
Instrument :
 MSVOA_V
 ClientSampleId :

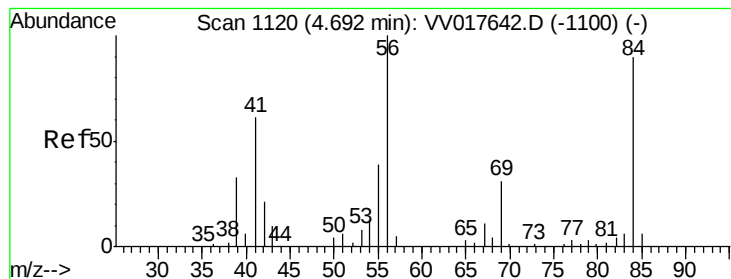
Tot Ion: 83 Resp: 5148
 Ion Ratio Lower Upper
 83 100
 85 28.9 47.3 87.9#



#27
 1,2-Dichloroethane
 Concen: 0.178 ug/L
 RT: 5.12 min Scan# 1253
 Delta R.T. -0.04 min
 Lab File: VV017646.D
 Acq: 24 Jul 2020 14:03

Tgt Ion: 62 Resp: 2836
 Ion Ratio Lower Upper
 62 100
 98 14.6 7.0 10.6#





#30

Cyclohexane

Concen: 0.944 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

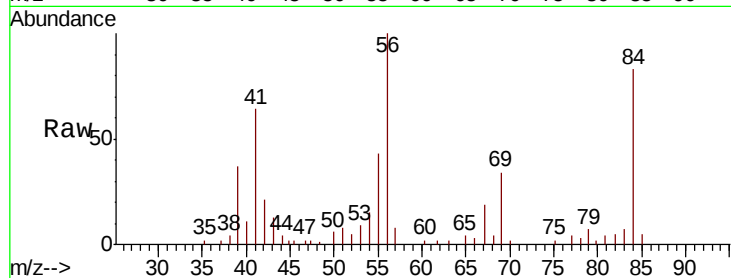
Tot Ion: 56 Resp: 17852

Ion Ratio Lower Upper

56 100

69 34.6 25.4 38.2

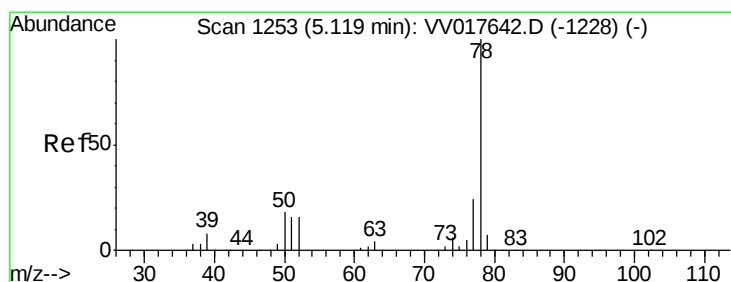
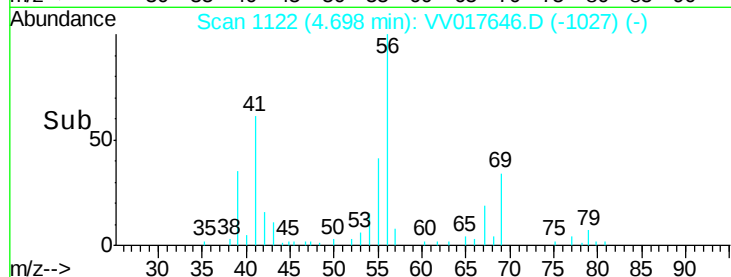
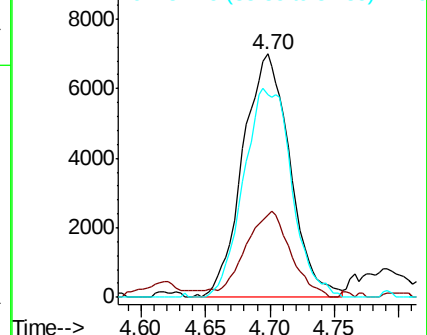
84 87.7 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV017642.D (-1100) (-)

Ion 69.15 (68.85 to 69.85): VV017642.D (-1100) (-)

Ion 84.15 (83.85 to 84.85): VV017642.D (-1100) (-)



#33

Benzene

Concen: 7.530 ug/L

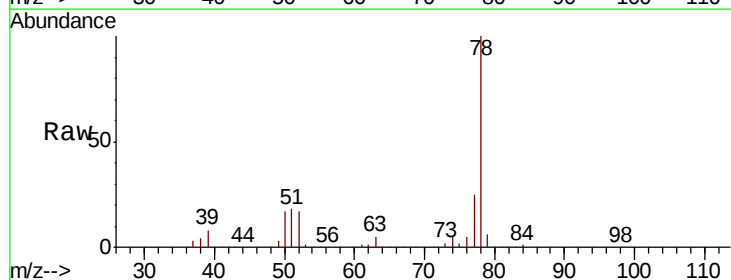
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

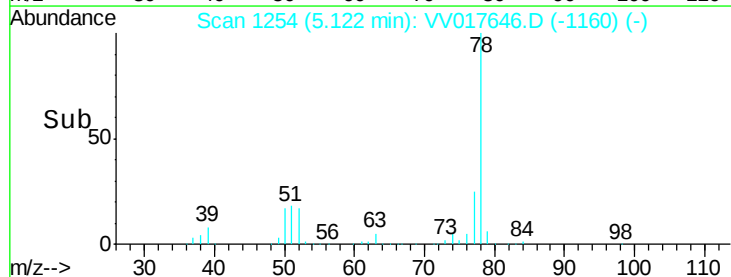
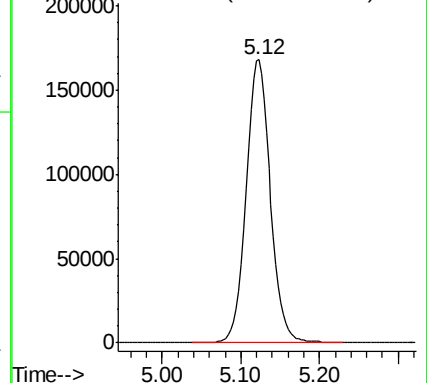
Lab File: VV017646.D

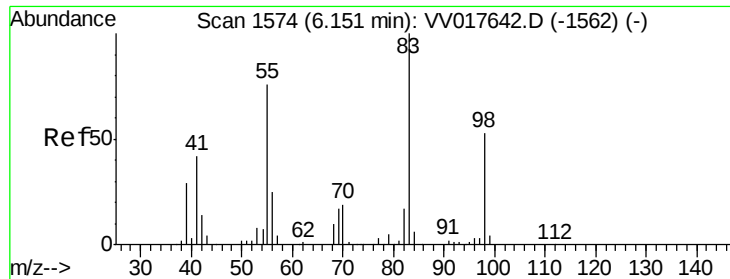
Acq: 24 Jul 2020 14:03

Tgt Ion: 78 Resp: 363539



Abundance Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

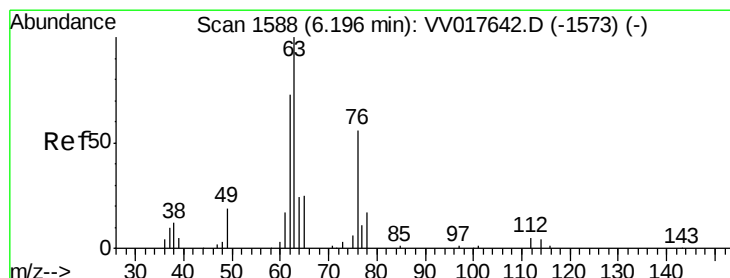
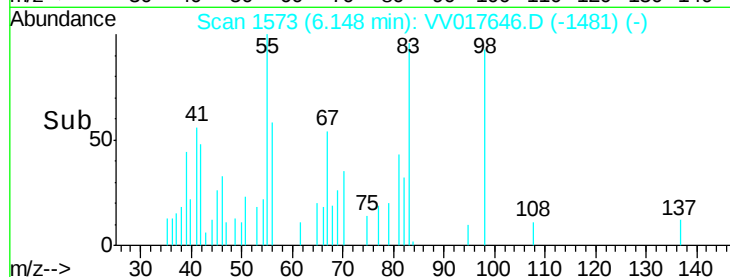
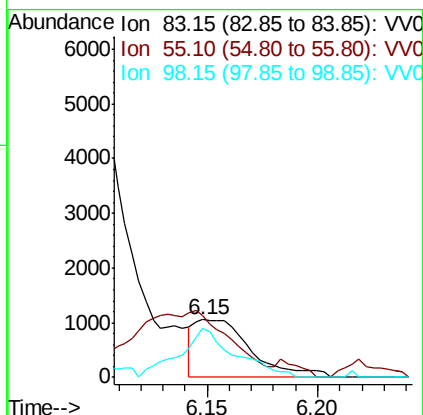
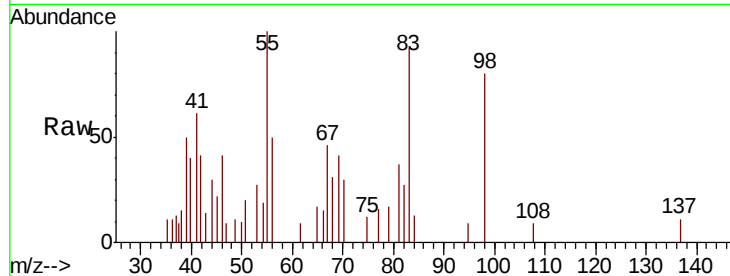




#35
Methvlcvclohexane
Concen: 0.091 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

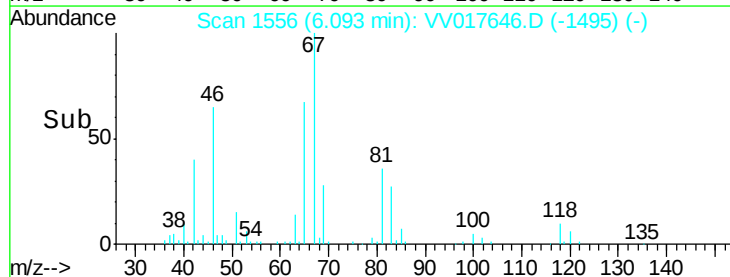
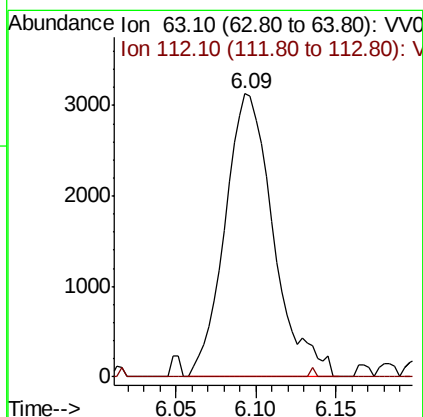
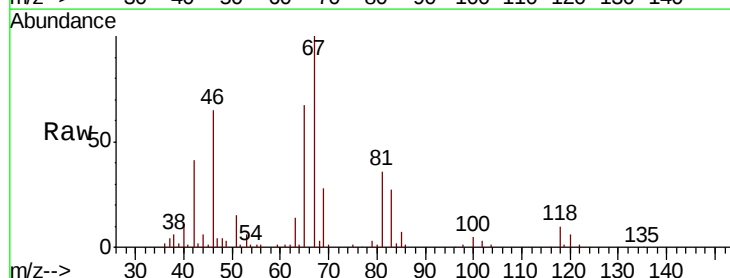
Instrument :
MSVOA_V
ClientSampled :

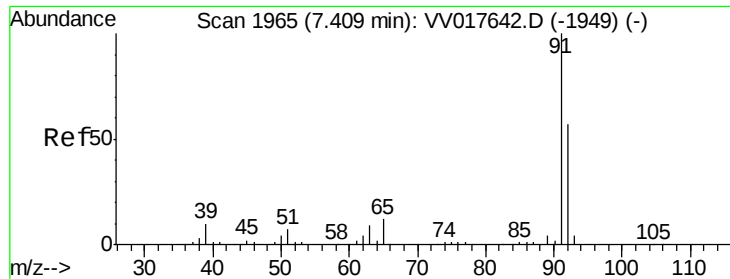
Tot Ion: 83 Resp: 1864
Ion Ratio Lower Upper
83 100
55 113.6 61.8 92.8#
98 84.5 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.572 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017646.D
Acq: 24 Jul 2020 14:03

Tgt Ion: 63 Resp: 6488
Ion Ratio Lower Upper
63 100
112 0.3 4.5 6.7#





#42

Toluene

Concen: 2.142 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

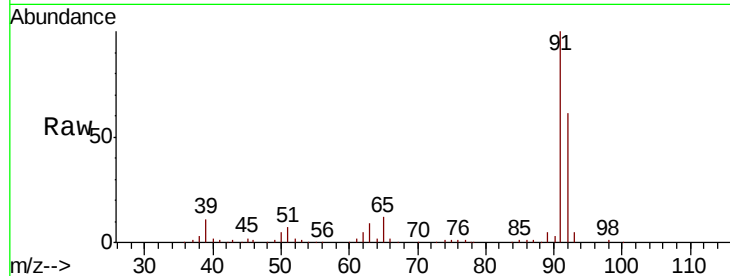
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 112787

Ion Ratio Lower Upper

91 100

92 60.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017642.D (-1949) (-)

7.41

60000

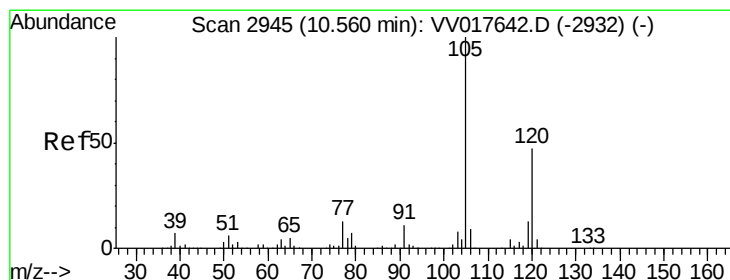
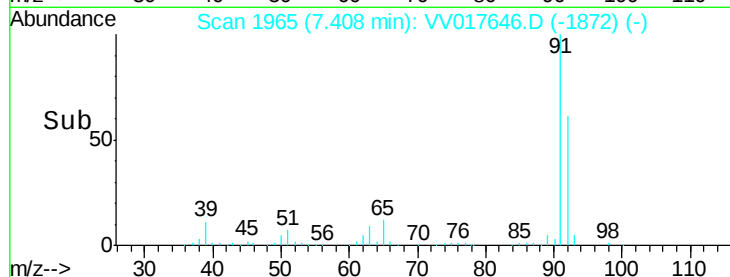
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.275 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017646.D

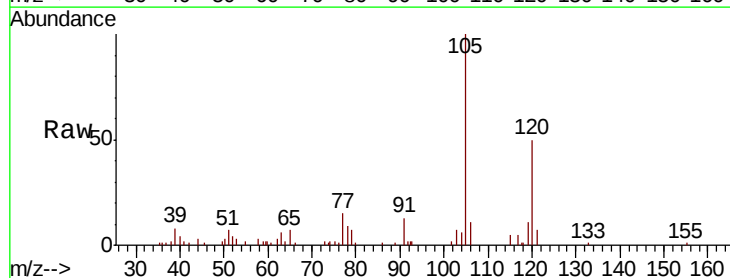
Acq: 24 Jul 2020 14:03

Tgt Ion: 105 Resp: 13499

Ion Ratio Lower Upper

105 100

120 53.0 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017642.D (-2932) (-)

10.56

10000

8000

6000

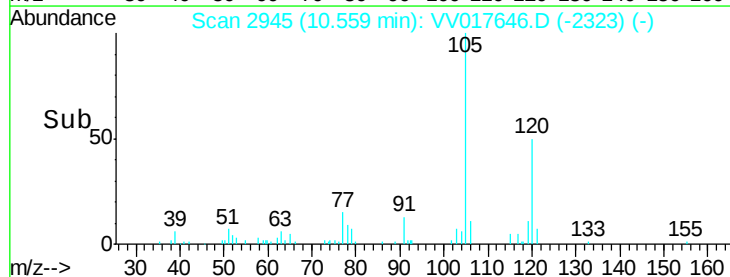
4000

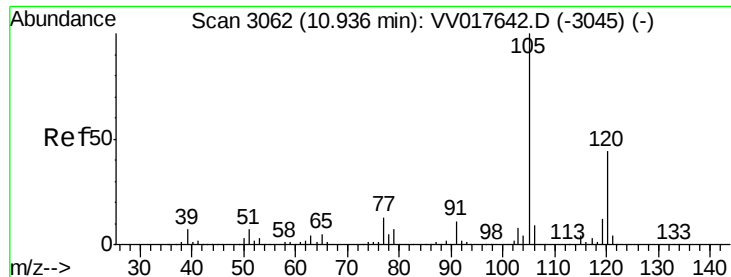
2000

0

10.50 10.55 10.60

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 2.415 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

Instrument :

MSVOA_V

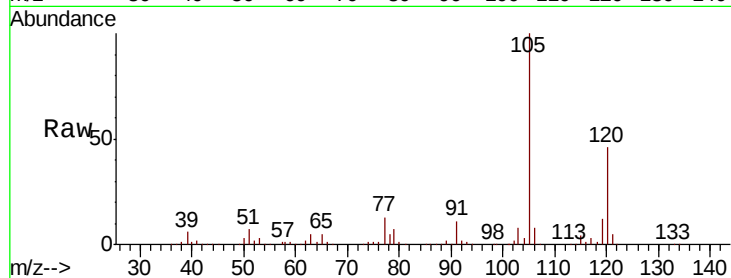
ClientSampleId :

Tot Ion:105 Resp: 121331

Ion Ratio Lower Upper

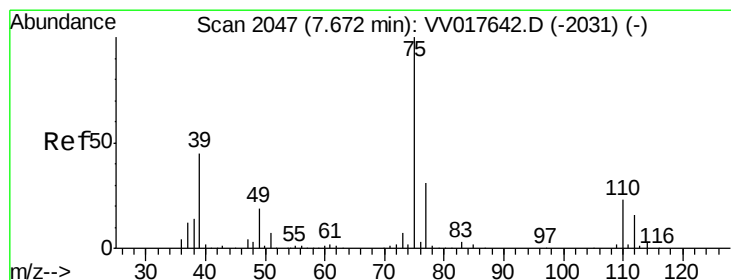
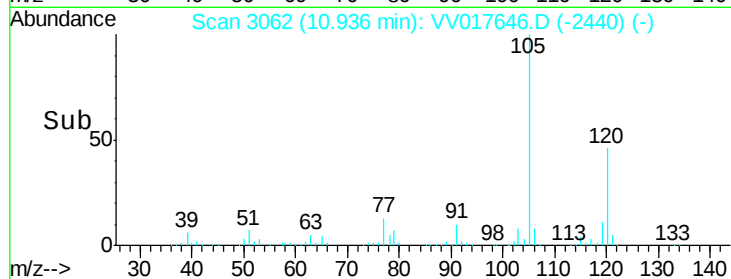
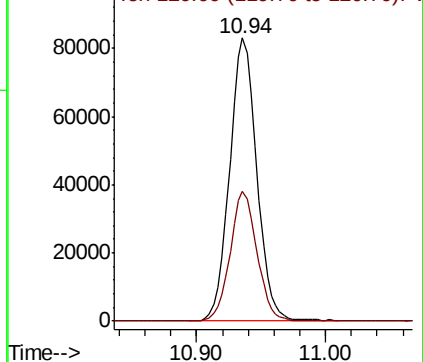
105 100

120 45.3 35.9 53.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017646.D

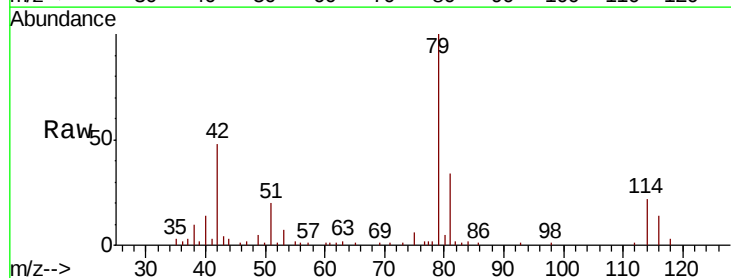
Acq: 24 Jul 2020 14:03

Tgt Ion: 75 Resp: 1153

Ion Ratio Lower Upper

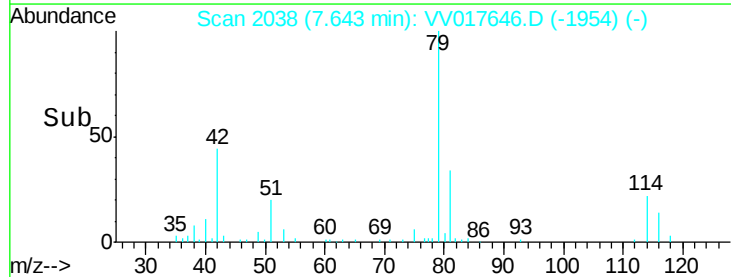
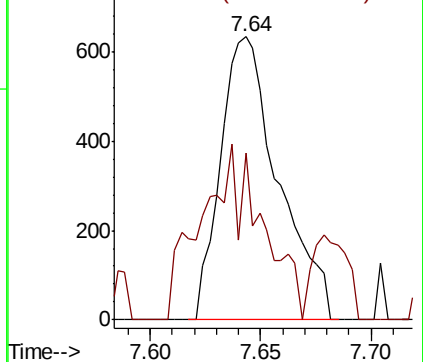
75 100

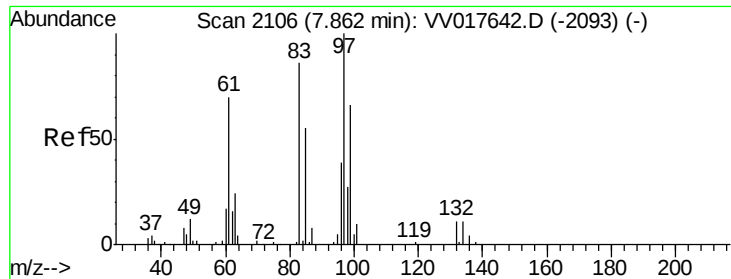
77 58.9 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

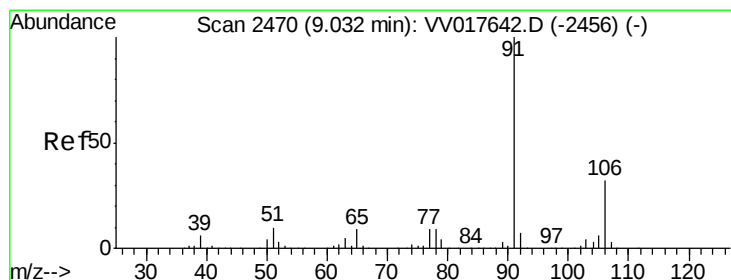
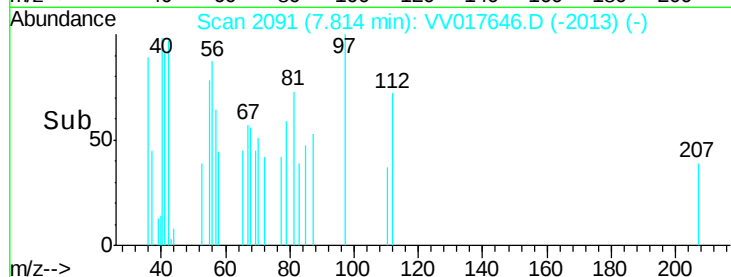
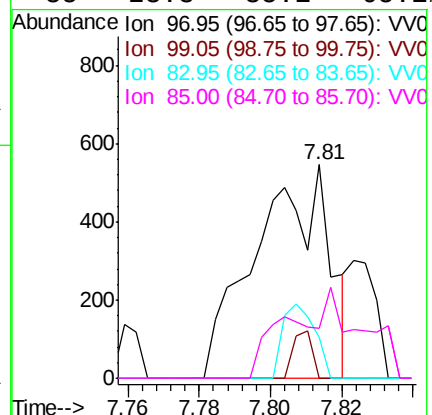
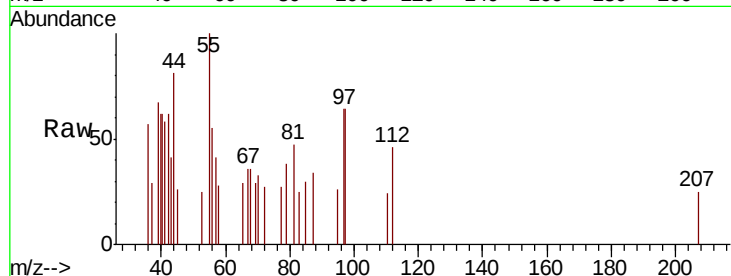




#47
 1,1,2-Trichloroethane
 Concen: 0.090 ug/L
 RT: 7.81 min Scan# 2091
 Delta R.T. -0.05 min
 Lab File: VV017646.D
 Acq: 24 Jul 2020 14:03

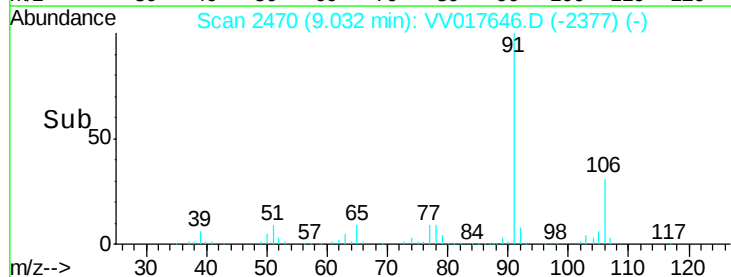
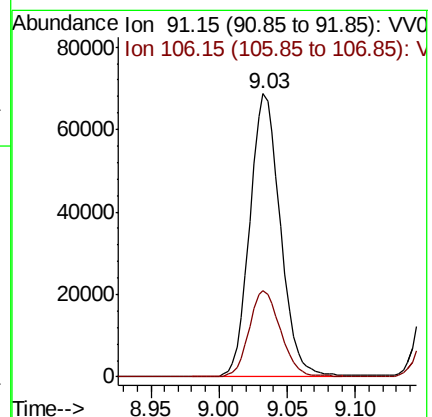
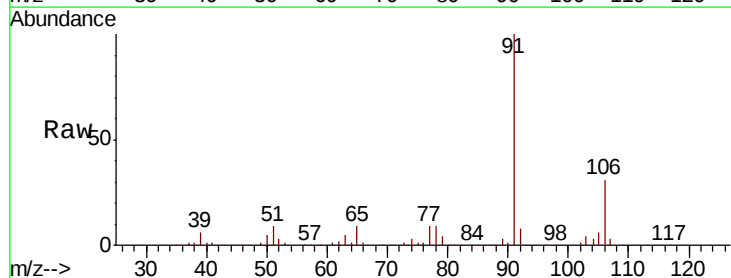
Instrument :
 MSVOA_V
 ClientSampleId :

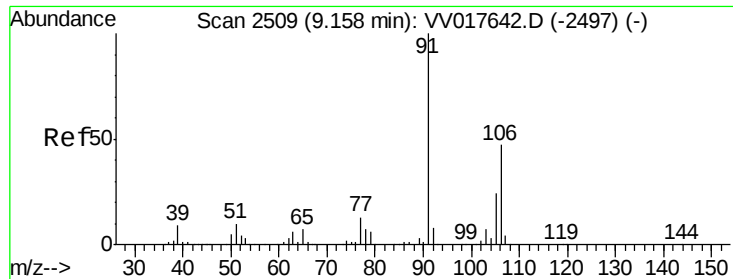
Tot Ion: 97 Resp: 775
 Ion Ratio Lower Upper
 97 100
 99 0.0 39.5 73.4#
 83 19.4 52.6 97.6#
 85 23.3 35.1 65.1#



#54
 Ethylbenzene
 Concen: 1.814 ug/L
 RT: 9.03 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: VV017646.D
 Acq: 24 Jul 2020 14:03

Tgt Ion: 91 Resp: 106989
 Ion Ratio Lower Upper
 91 100
 106 30.7 21.6 40.2





#55

m,p-xylene

Concen: 1.551 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

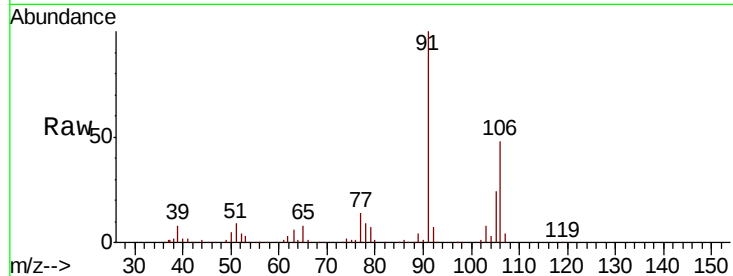
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 34440

Ion Ratio Lower Upper

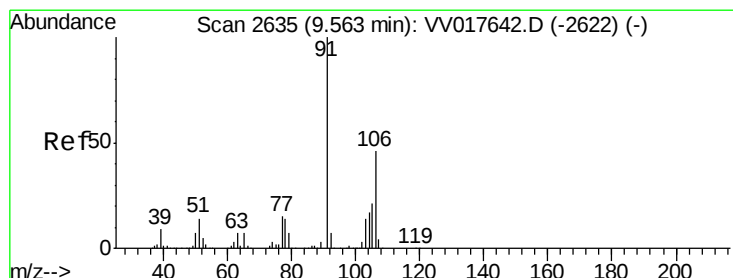
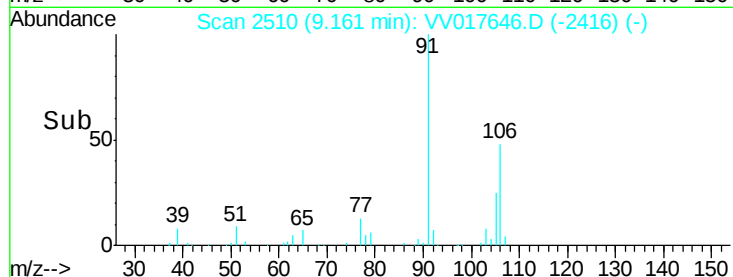
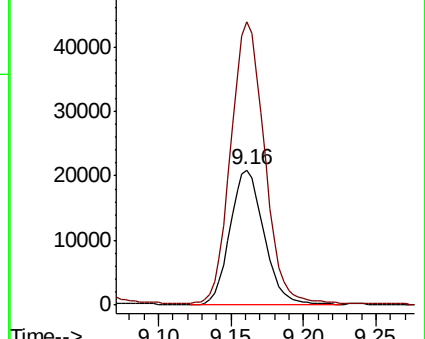
106 100

91 208.9 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 1.073 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017646.D

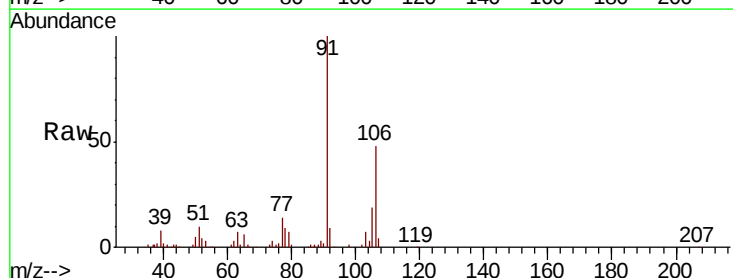
Acq: 24 Jul 2020 14:03

Tgt Ion:106 Resp: 23115

Ion Ratio Lower Upper

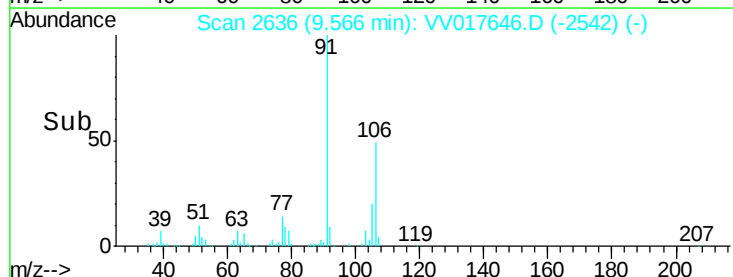
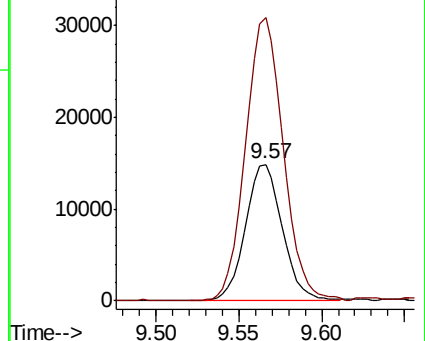
106 100

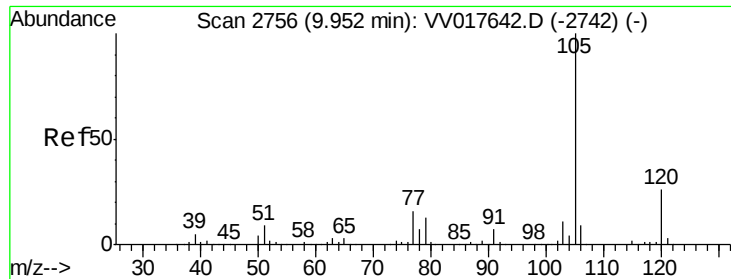
91 206.9 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 0.224 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

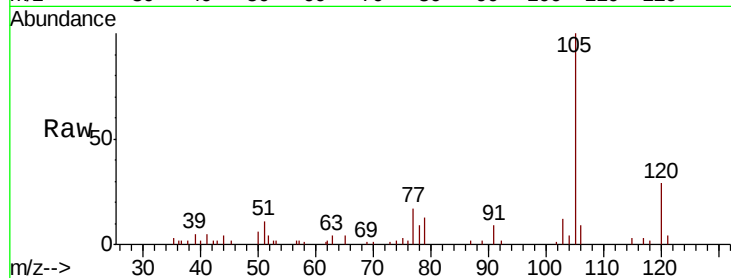
Tot Ion:105 Resp: 13293

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

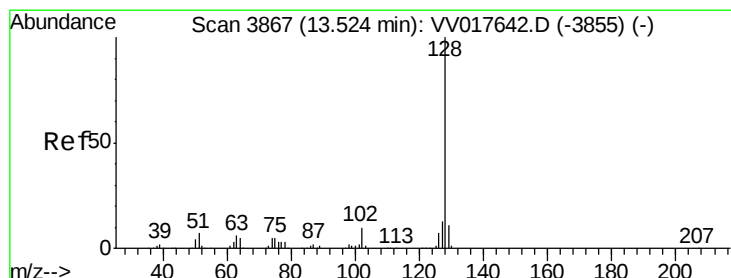
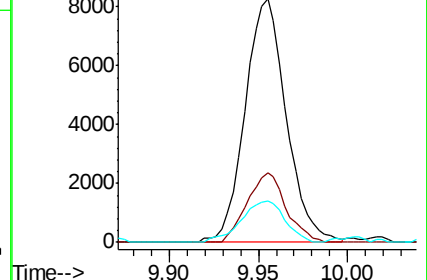
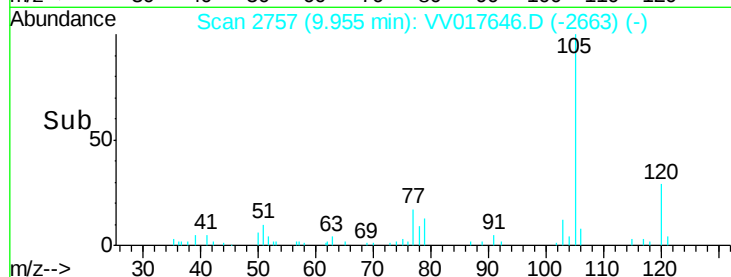
77 18.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#70

Naphthalene

Concen: 0.165 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017646.D

Acq: 24 Jul 2020 14:03

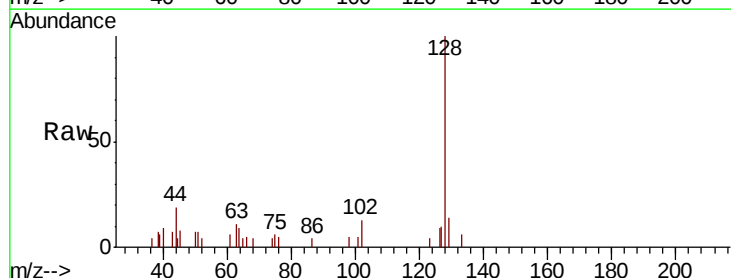
Tgt Ion:128 Resp: 4671

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

127 11.2 11.0 16.6



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

