

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030420\
 Data File : VV014741.D
 Acq On : 04 Mar 2020 18:11
 Operator : SY/MD
 Sample : L1782-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 05 06:31:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 05 06:28:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	253094	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	239496	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	117160	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73442	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.58	69	64351	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.13	63	100800	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	3.97	46	203639	49.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.44%
24) Chloroform-d	4.40	84	156703	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.08	65	84536	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	321257	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.11	67	102518	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	281268	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.66	79	36261	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	136585	40.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	74730	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	105782	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

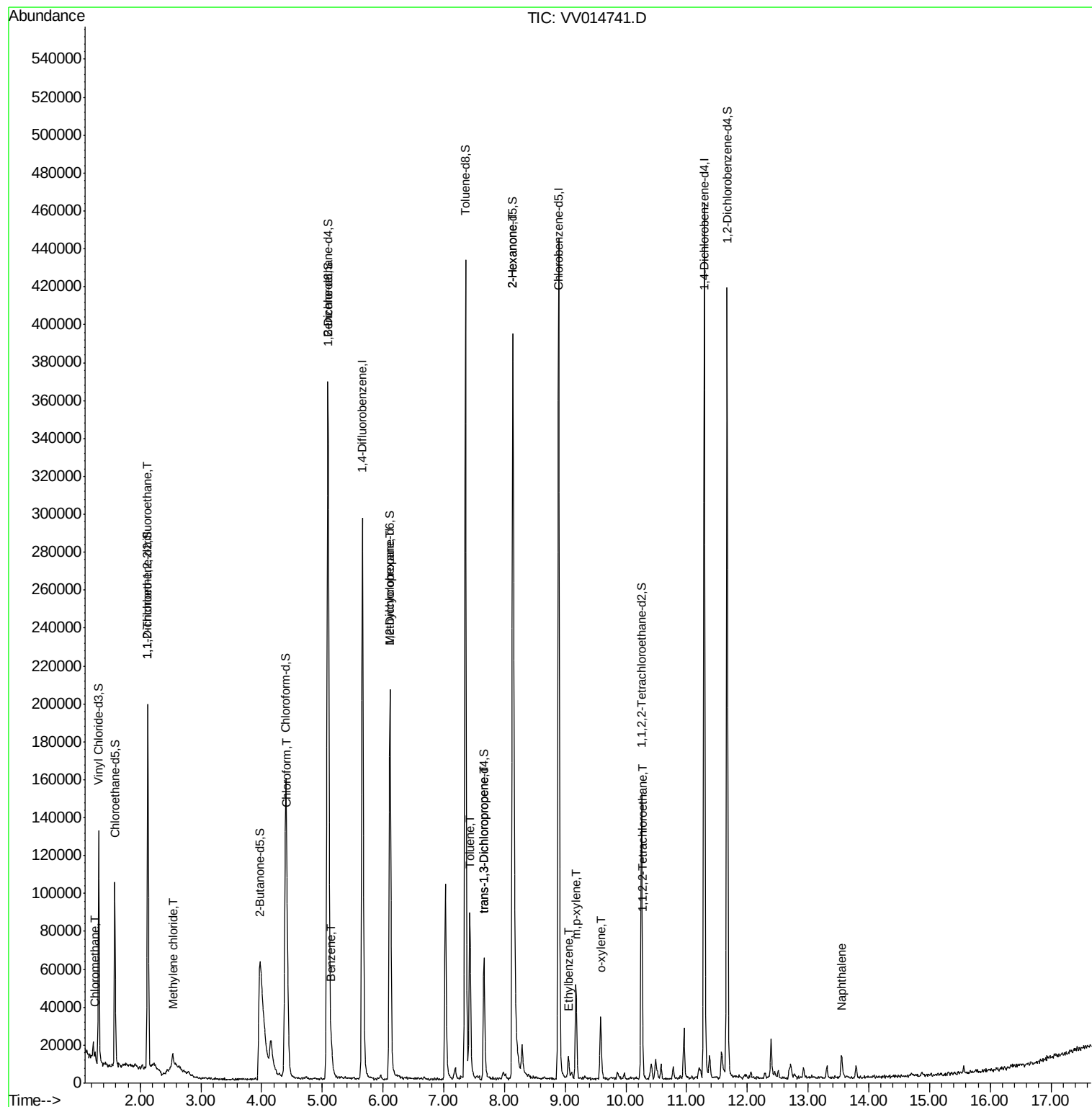
					Ovalue
3) Chloromethane	1.25	50	3412	0.133	ug/L 91
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1256	0.075	ug/L # 21
16) Methylene chloride	2.54	84	2649	0.133	ug/L 92
25) Chloroform	4.42	83	37721	1.019	ug/L 96
33) Benzene	5.15	78	13532	0.172	ug/L 100
35) Methylcyclohexane	6.12	83	23988	0.685	ug/L # 17
42) Toluene	7.43	91	62369	0.749	ug/L 100
44) trans-1,3-Dichloropropene	7.67	75	1484	0.066	ug/L 93
48) 2-Hexanone	8.14	43	19162	2.236	ug/L # 80
52) Ethylbenzene	9.05	91	9000	0.095	ug/L 98
53) m,p-xylene	9.18	106	14030	0.406	ug/L 95
54) o-xylene	9.59	106	8811	0.262	ug/L 88
58) 1,1,2,2-Tetrachloroethane	10.28	83	1854	0.116	ug/L # 89
69) Naphthalene	13.55	128	11121	0.245	ug/L # 96

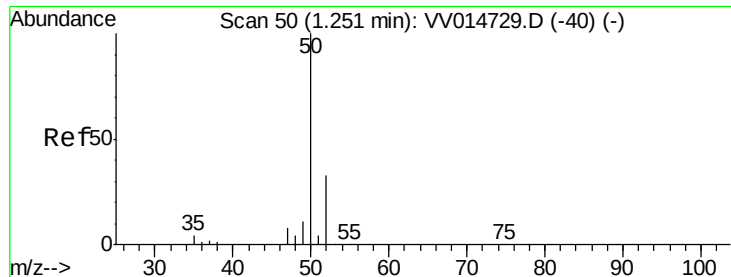
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.133 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014741.D

Acq: 04 Mar 2020 18:11

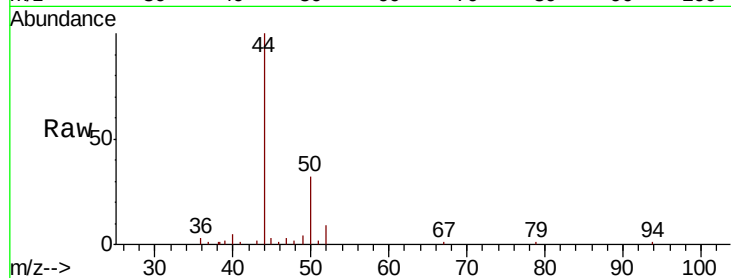
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3412

Ion Ratio Lower Upper

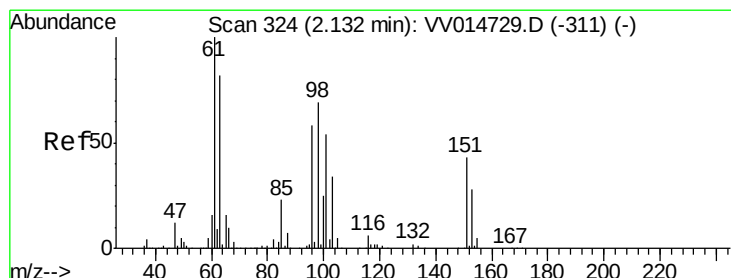
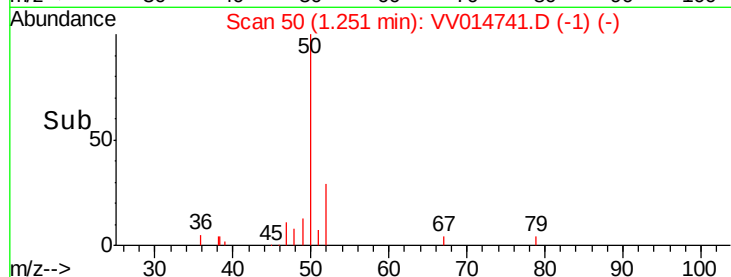
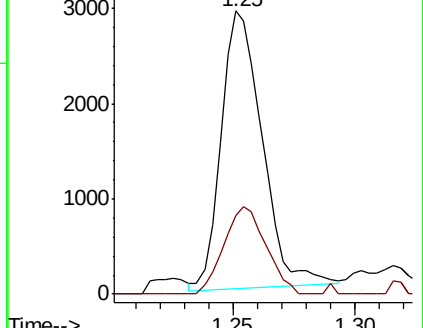
50 100

52 27.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014729.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV014729.D (-40) (-)



#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014741.D

Acq: 04 Mar 2020 18:11

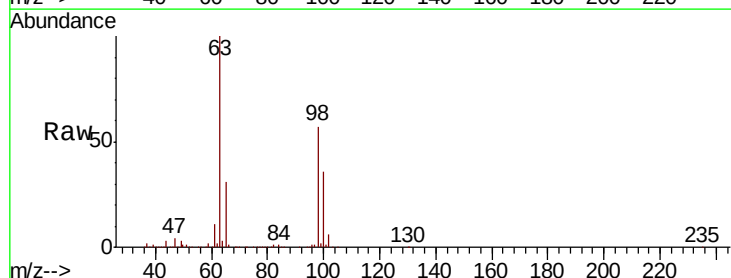
Tgt Ion:101 Resp: 1256

Ion Ratio Lower Upper

101 100

85 7.2 35.3 52.9#

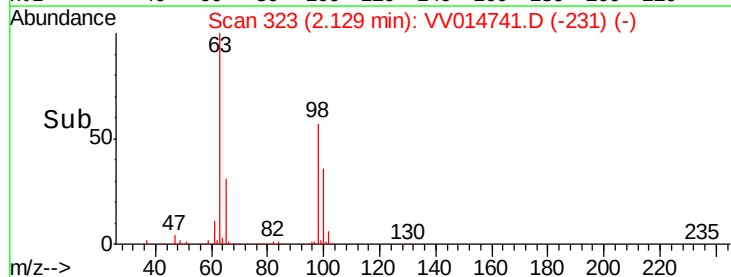
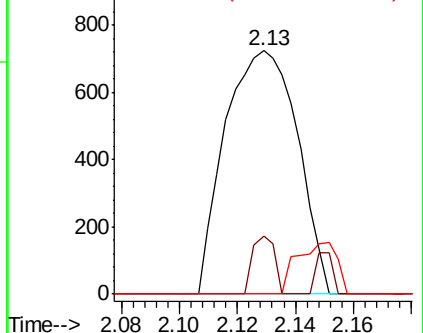
151 0.0 65.3 97.9#

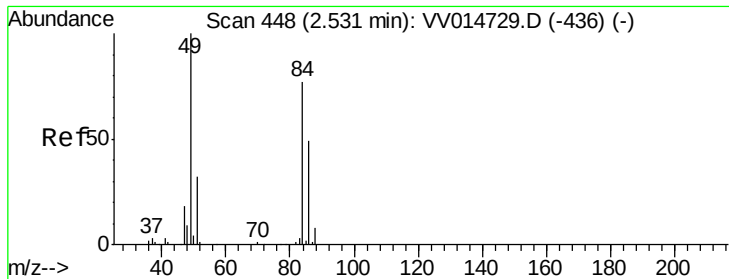


Abundance Ion 101.00 (100.70 to 101.70): VV014729.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV014729.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV014729.D (-311) (-)

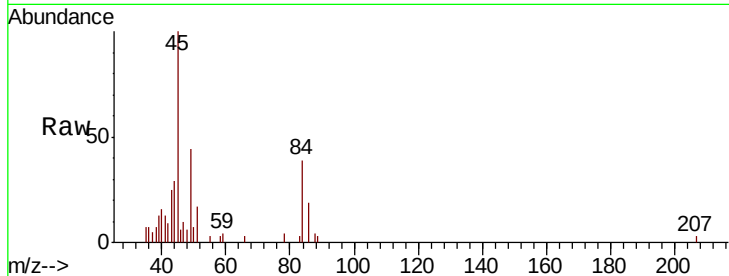




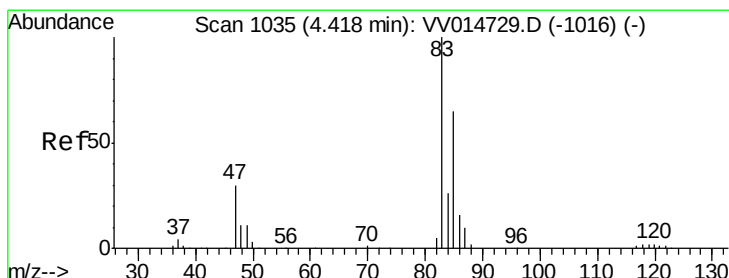
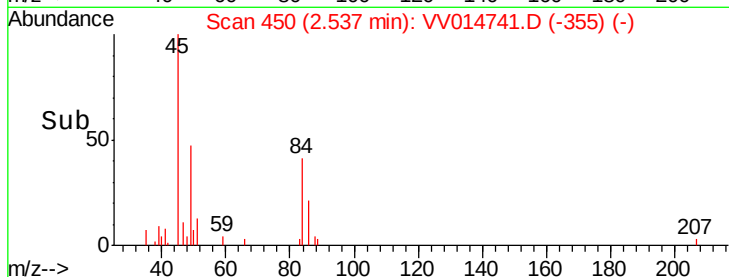
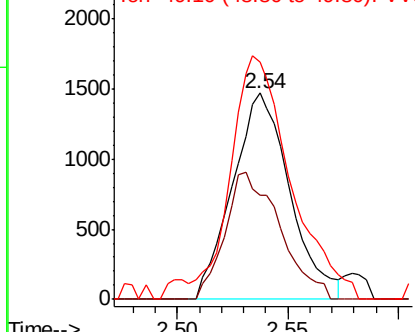
#16
Methylene chloride
Concen: 0.133 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 2649
Ion Ratio Lower Upper
84 100
86 50.3 44.9 83.5
49 132.6 95.6 177.6

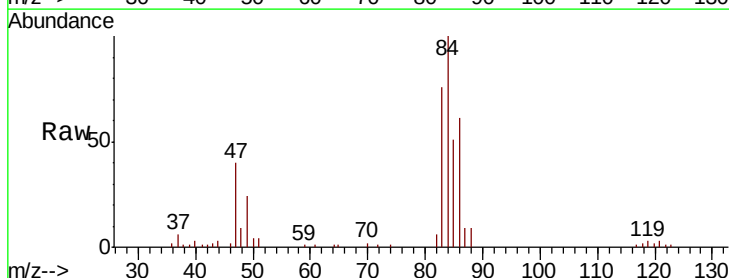


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

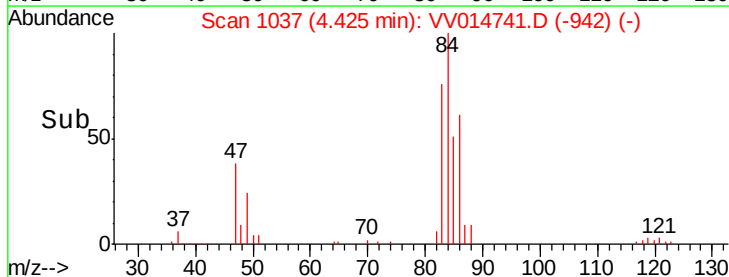
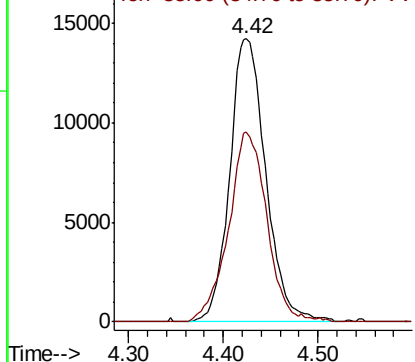


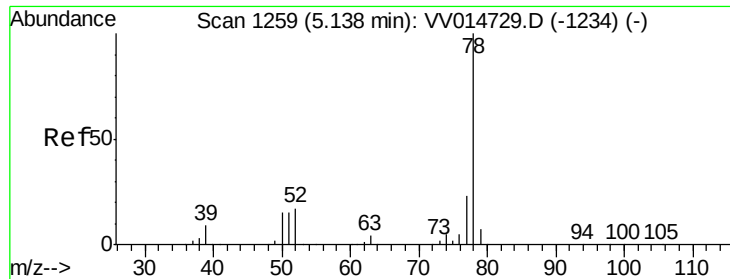
#25
Chloroform
Concen: 1.019 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Tgt Ion: 83 Resp: 37721
Ion Ratio Lower Upper
83 100
85 67.1 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

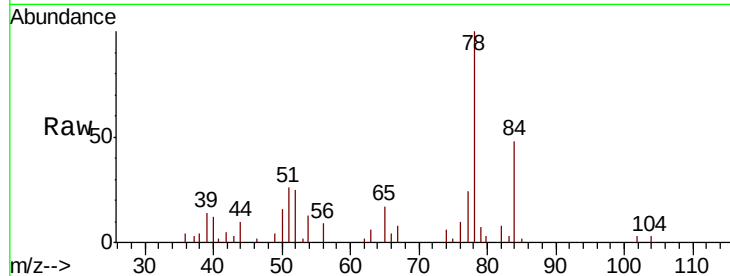




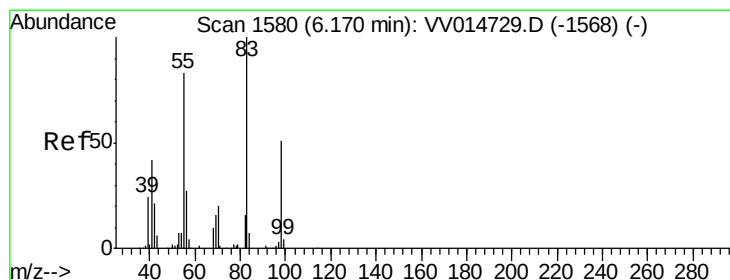
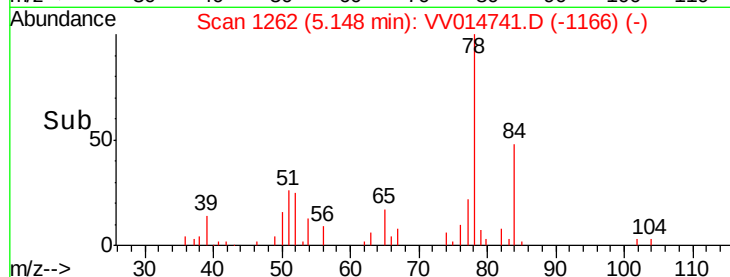
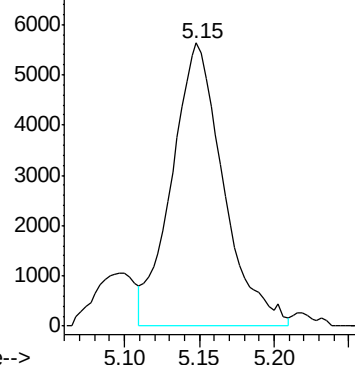
#33
Benzene
Concen: 0.172 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 13532

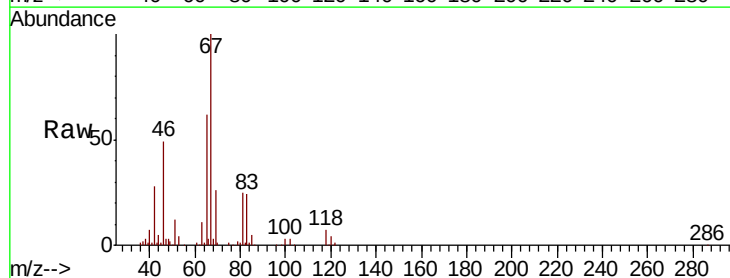


Abundance Ion 78.10 (77.80 to 78.80): VV0



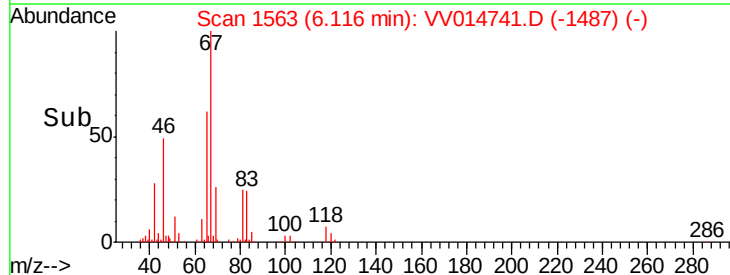
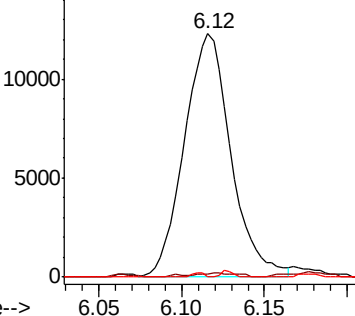
#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

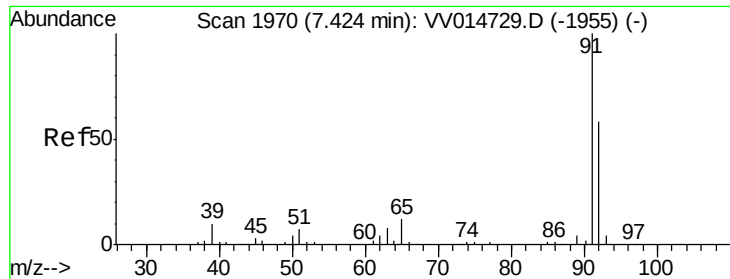
Tgt Ion: 83 Resp: 23988
Ion Ratio Lower Upper
83 100
55 0.4 64.6 96.8#
98 0.5 37.8 56.8#



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





#42

Toluene

Concen: 0.749 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014741.D

Acq: 04 Mar 2020 18:11

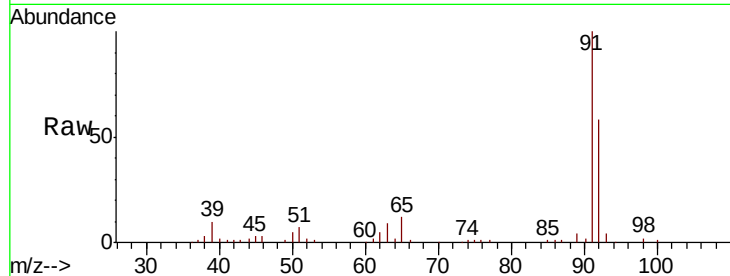
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 62369

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

40000

30000

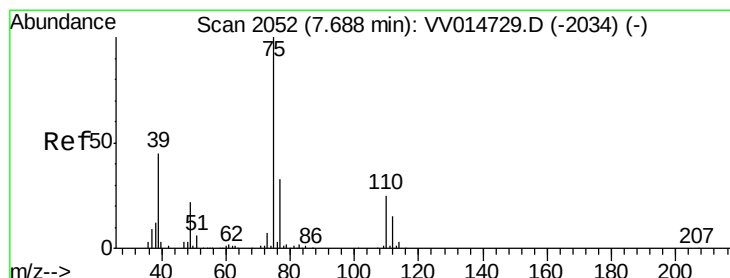
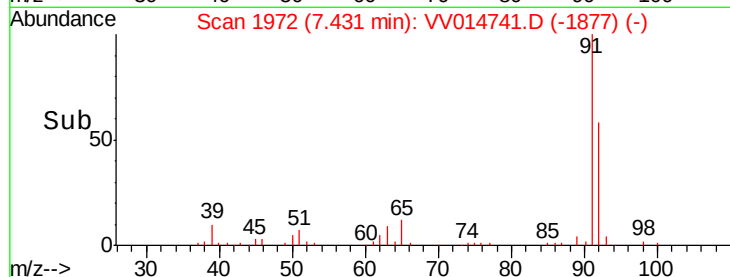
20000

10000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV014741.D

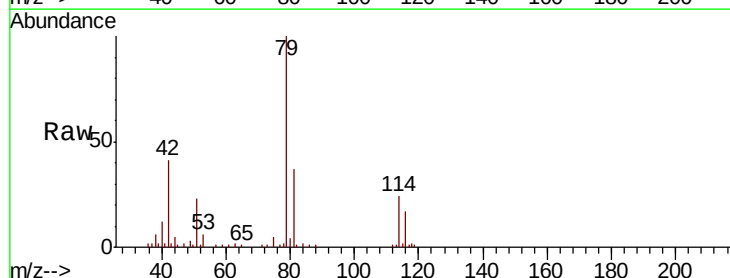
Acq: 04 Mar 2020 18:11

Tgt Ion: 75 Resp: 1484

Ion Ratio Lower Upper

75 100

77 28.1 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

1000

800

600

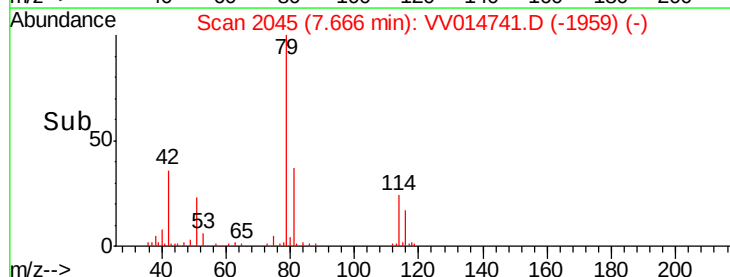
400

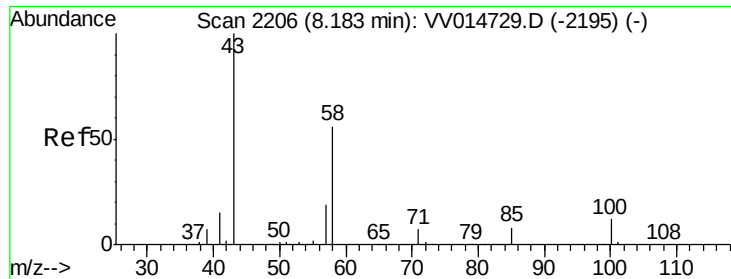
200

0

Time-->

7.62 7.64 7.66 7.68

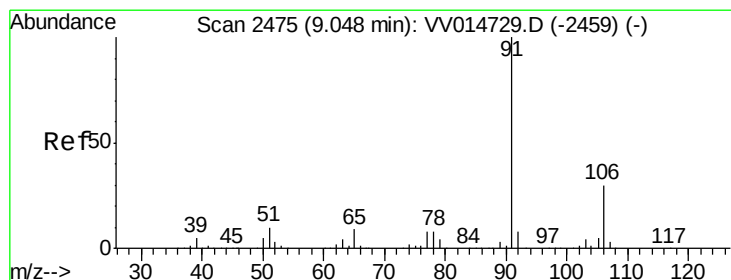
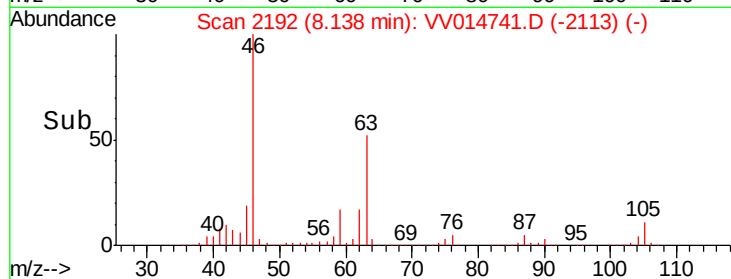
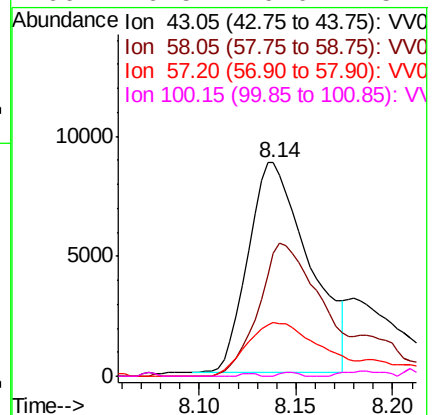
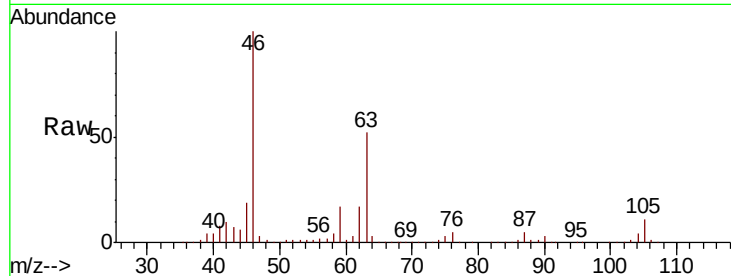




#48
2-Hexanone
Concen: 2.236 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.04 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

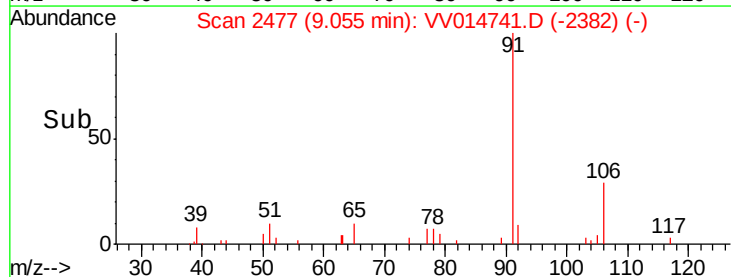
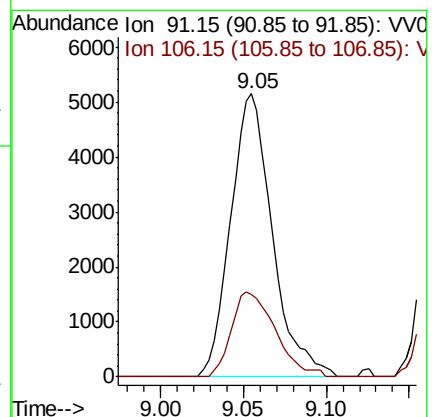
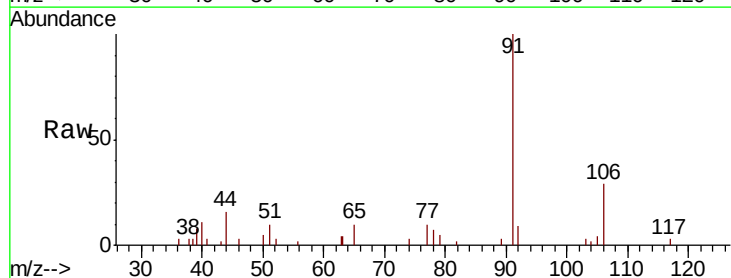
Instrument :
MSVOA_V
ClientSampleId :

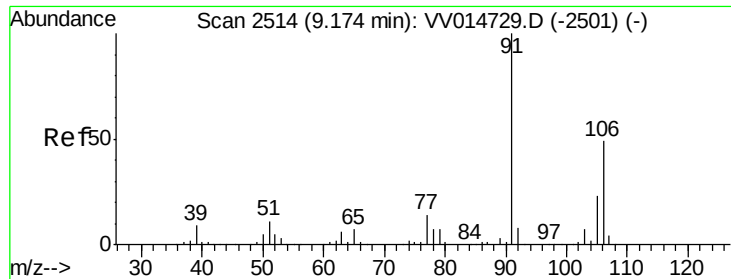
Tot Ion: 43 Resp: 19162
Ion Ratio Lower Upper
43 100
58 65.3 43.1 64.7#
57 30.5 14.6 21.8#
100 0.5 9.0 13.4#



#52
Ethylbenzene
Concen: 0.095 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Tgt Ion: 91 Resp: 9000
Ion Ratio Lower Upper
91 100
106 29.1 21.1 39.1

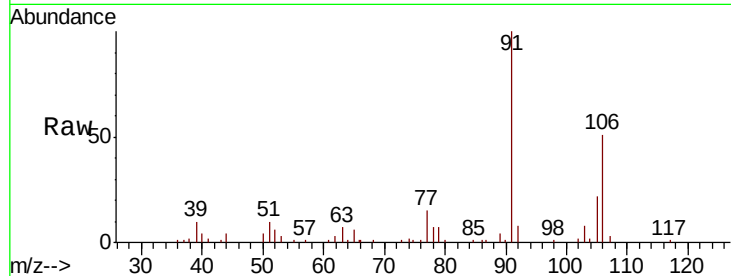




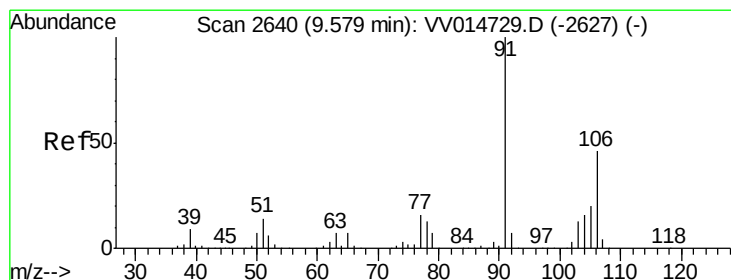
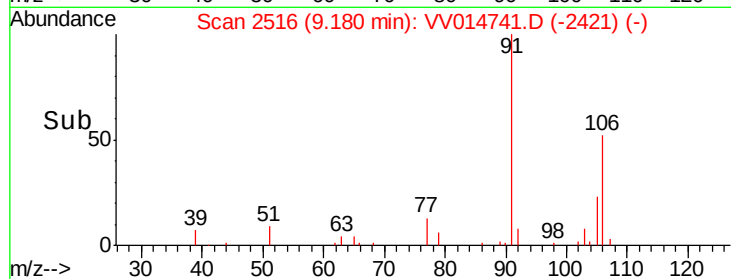
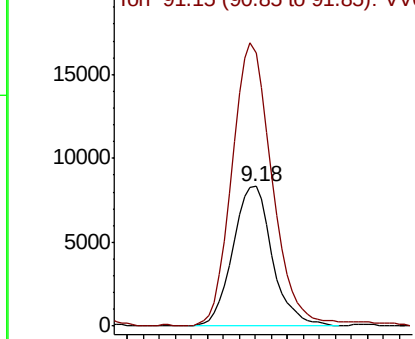
#53
m,p-xylene
Concen: 0.406 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 14030
Ion Ratio Lower Upper
106 100
91 195.4 142.5 264.6

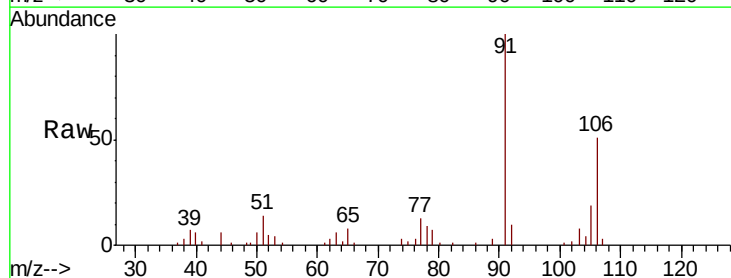


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

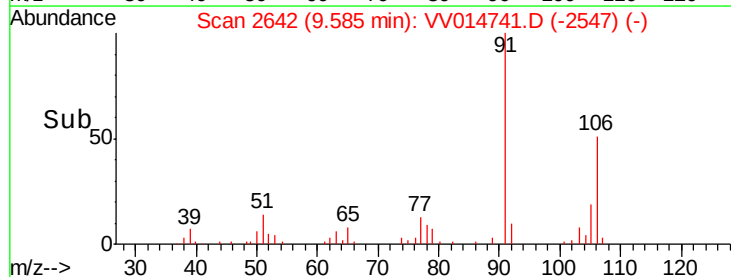
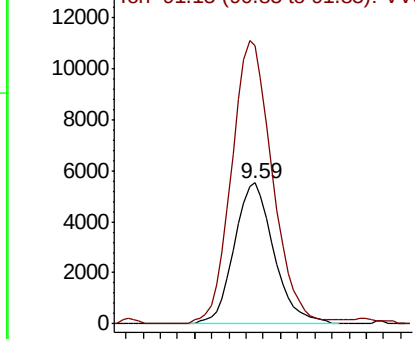


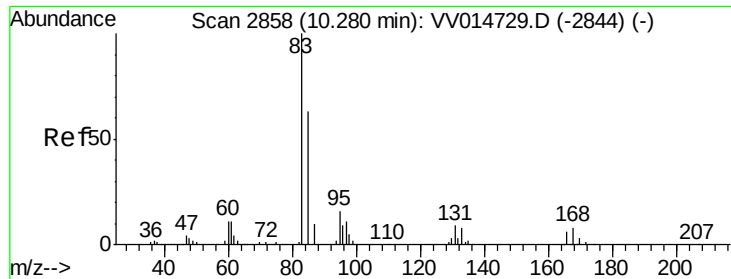
#54
o-xylene
Concen: 0.262 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV014741.D
Acq: 04 Mar 2020 18:11

Tgt Ion:106 Resp: 8811
Ion Ratio Lower Upper
106 100
91 197.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.116 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014741.D

Acq: 04 Mar 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

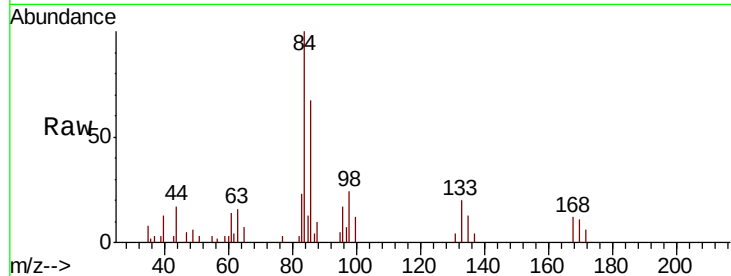
Tot Ion: 83 Resp: 1854

Ion Ratio Lower Upper

83 100

85 59.0 46.1 85.7

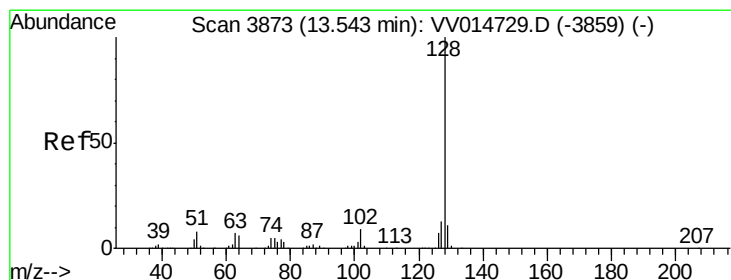
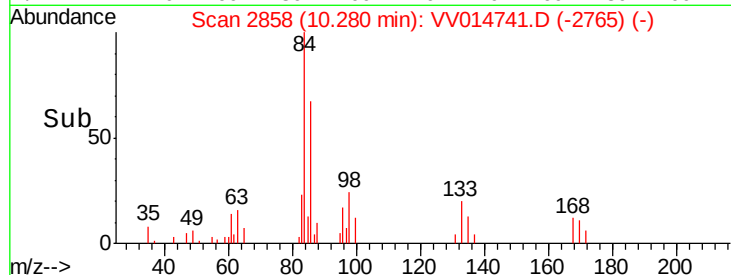
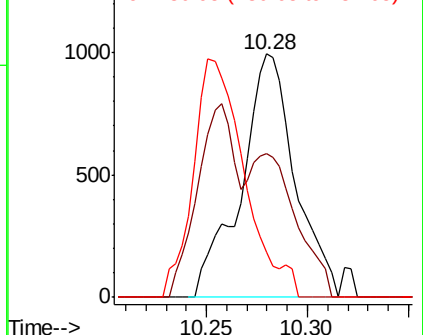
131 18.6 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV014729.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014729.D (-2844) (-)

Ion 130.95 (130.65 to 131.65): VV014729.D (-2844) (-)



#69

Naphthalene

Concen: 0.245 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014741.D

Acq: 04 Mar 2020 18:11

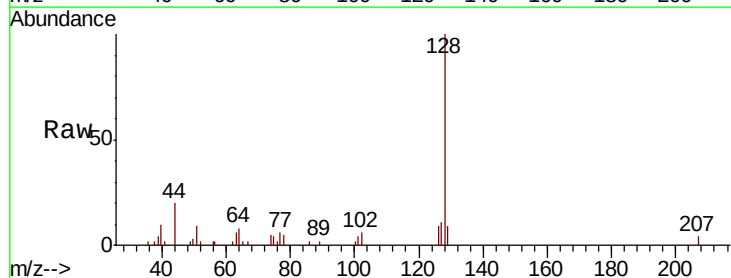
Tgt Ion: 128 Resp: 11121

Ion Ratio Lower Upper

128 100

129 8.5 8.7 13.1#

127 12.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): VV014729.D (-3859) (-)

Ion 129.00 (128.70 to 129.70): VV014729.D (-3859) (-)

Ion 127.00 (126.70 to 127.70): VV014729.D (-3859) (-)

