

Data File : VV013434.D
Acq On : 30 Oct 2019 15:27
Operator : SY/MD
Sample : K5597-17DL 20X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE7

Quant Time: Oct 31 02:46:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	373292	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366474	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	220265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123069	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.58	69	109779	3.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.00%
11) 1,1-Dichloroethene-d2	2.13	63	160352	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	3.96	46	396656	49.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.22%
24) Chloroform-d	4.40	84	296385	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.08	65	156550	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.10	84	595091	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.12	67	191026	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	522260	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.66	79	68354	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.14	63	261593	55.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	131734	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	215734	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

						Qvalue
8) Chloroethane	1.43	64	173161	7.404	ug/L #	52
14) Carbon disulfide	2.32	76	7400	0.086	ug/L #	74
15) Methyl Acetate	2.55	43	347225	23.509	ug/L #	55
16) Methylene chloride	2.53	84	7346	0.178	ug/L #	50
21) 2-Butanone	3.80	43	77233	8.984	ug/L #	54
25) Chloroform	4.43	83	14820	0.201	ug/L	91
27) 1,2-Dichloroethane	5.09	62	1894	0.046	ug/L	99
30) Cyclohexane	4.72	56	594917	10.436	ug/L	97
33) Benzene	5.14	78	7006887	51.166	ug/L	100
35) Methylcyclohexane	6.17	83	520183	9.276	ug/L	93
37) 1,2-Dichloropropane	6.17	63	4226	0.122	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	5257	0.112	ug/L #	24
42) Toluene	7.43	91	158080	1.107	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	2798	0.076	ug/L #	55
45) 1,1,2-Trichloroethane	7.83	97	51138	2.219	ug/L #	21
48) 2-Hexanone	8.18	43	16596	1.204	ug/L #	39
52) Ethylbenzene	9.05	91	182817	1.208	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

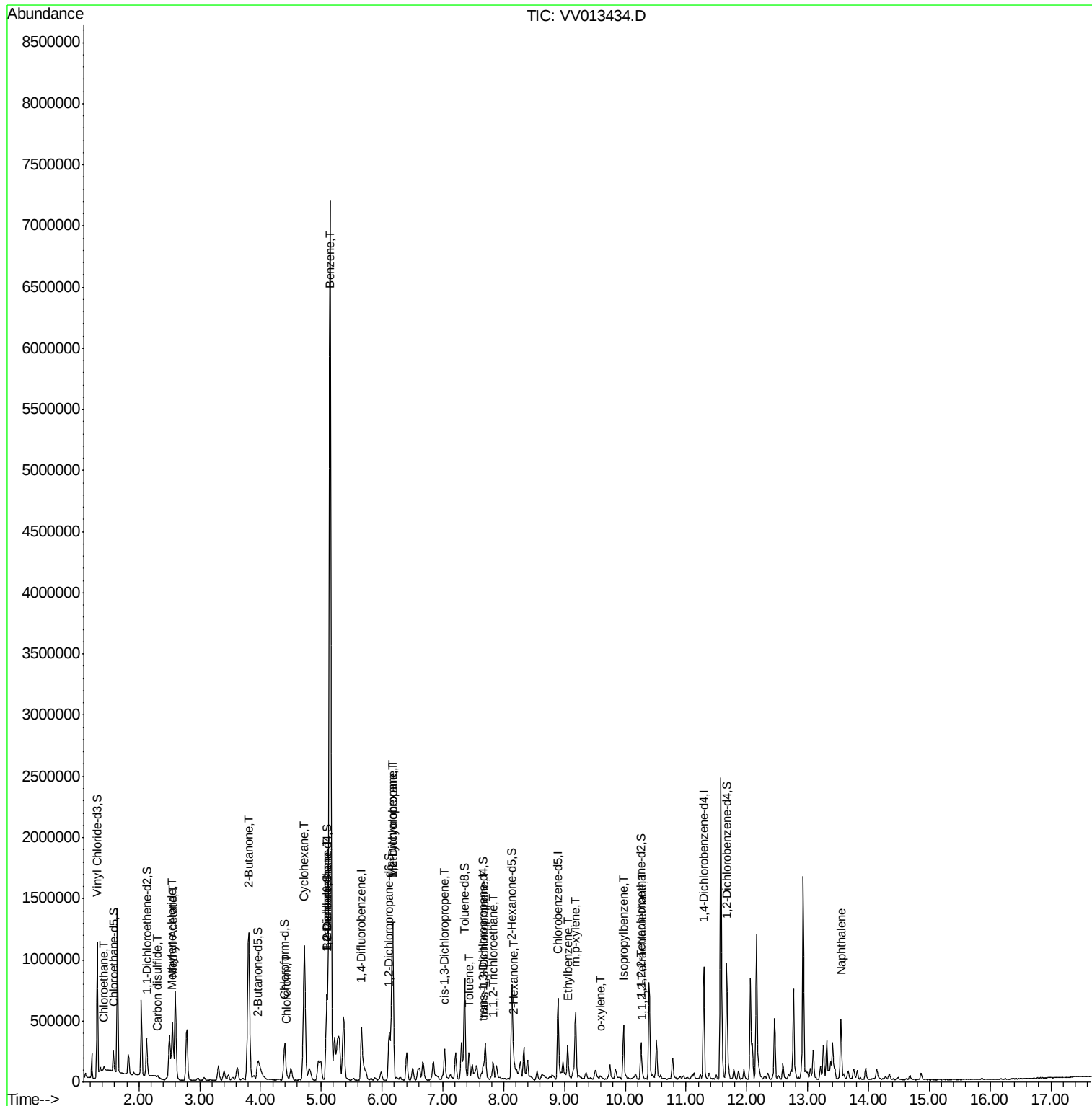
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.18	106	134423	2.404	ug/L	97
54) o-xylene	9.59	106	6613	0.122	ug/L	97
56) Isopropylbenzene	9.97	105	273519	1.878	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	3310	0.135	ug/L #	57
69) Naphthalene	13.55	128	380457	6.037	ug/L	99

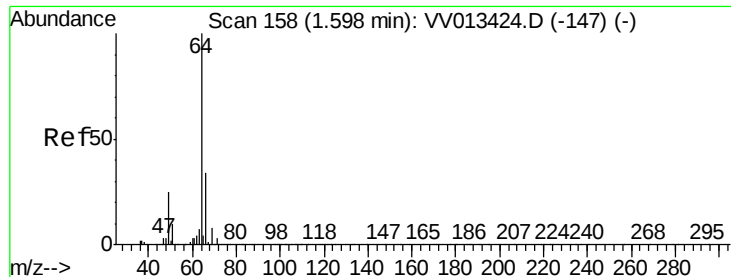
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 7.404 ug/L

RT: 1.43 min Scan# 105

Delta R.T. -0.17 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampled :

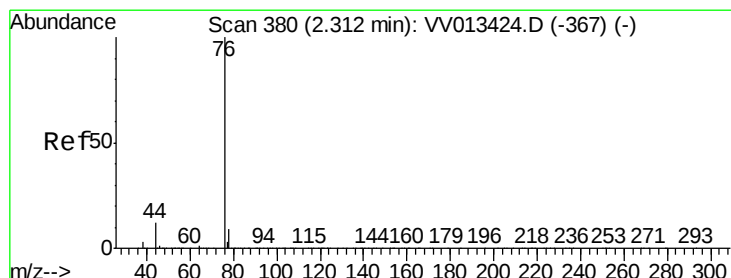
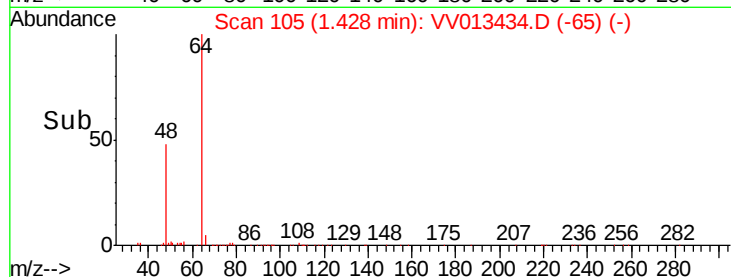
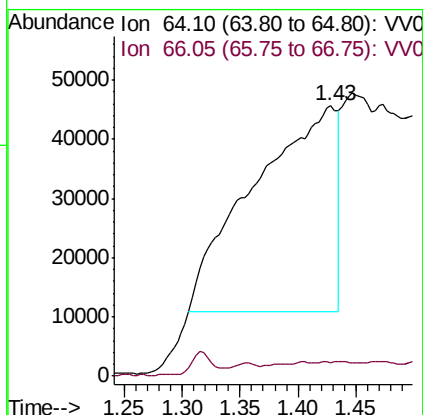
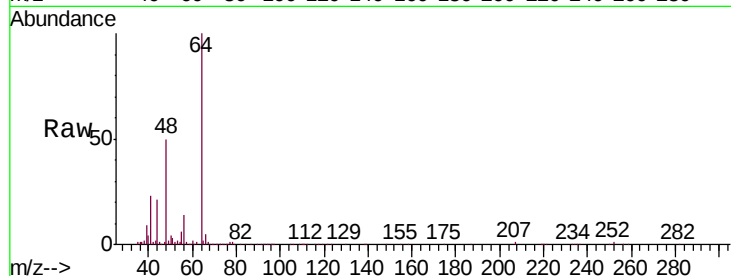
GAQE7

Tgt Ion: 64 Resp: 173161

Ion Ratio Lower Upper

64 100

66 5.1 22.0 41.0#



#14

Carbon disulfide

Concen: 0.086 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013434.D

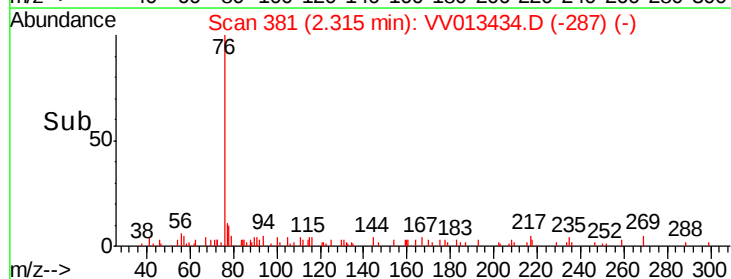
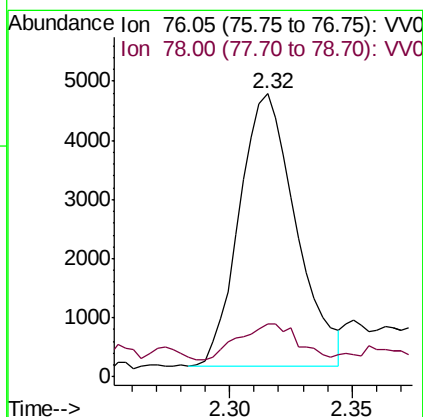
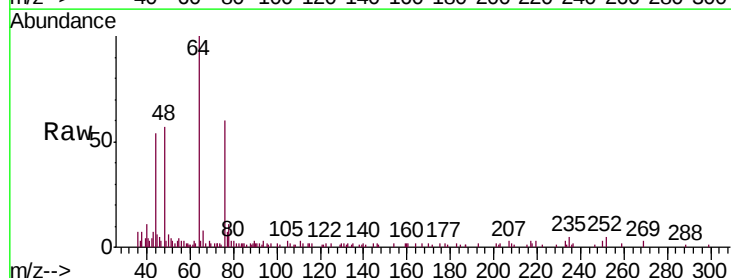
Acq: 30 Oct 2019 15:27

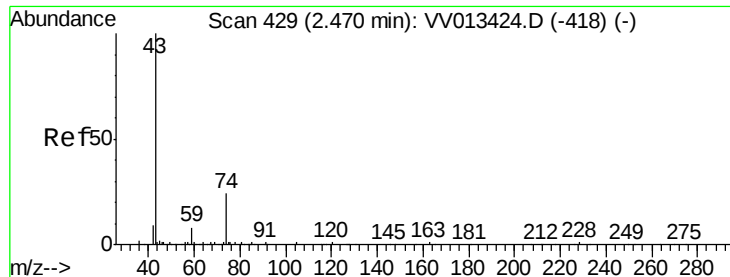
Tgt Ion: 76 Resp: 7400

Ion Ratio Lower Upper

76 100

78 18.8 7.5 11.3#

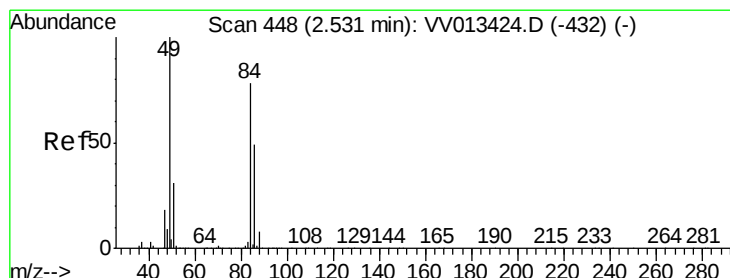
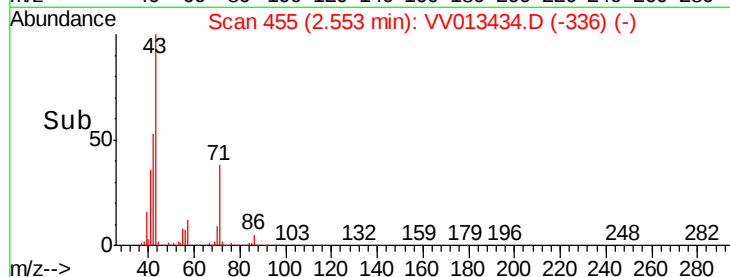
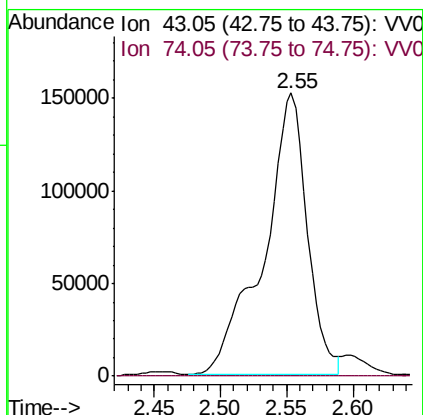
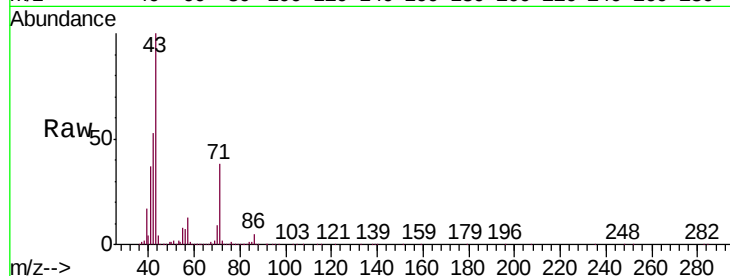




#15
Methyl Acetate
Concen: 23.509 ug/L
RT: 2.55 min Scan# 455
Delta R.T. 0.08 min
Lab File: VV013434.D
Acq: 30 Oct 2019 15:27

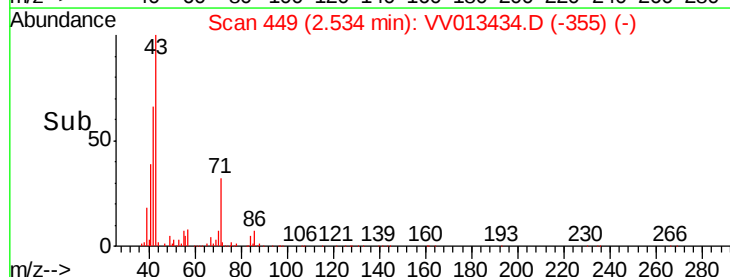
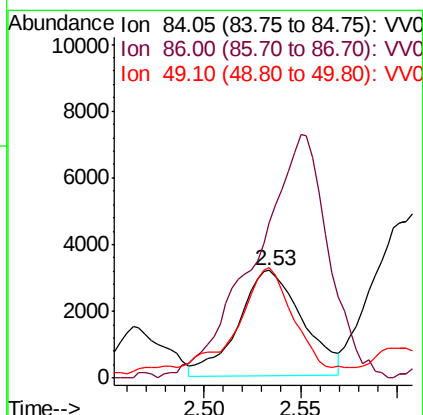
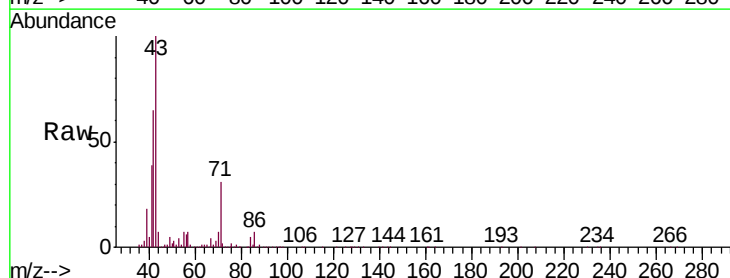
Instrument :
MSVOA_V
ClientSampleId :
GAQE7

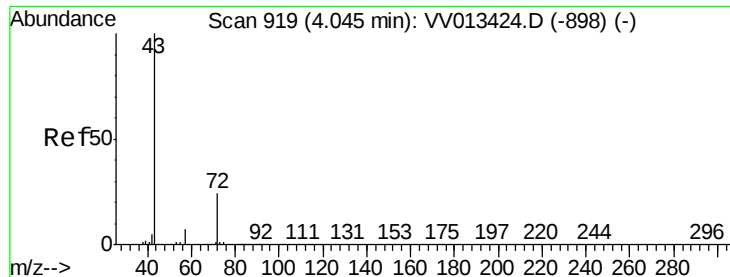
Tgt Ion: 43 Resp: 347225
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.6#



#16
Methylene chloride
Concen: 0.178 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013434.D
Acq: 30 Oct 2019 15:27

Tgt Ion: 84 Resp: 7346
Ion Ratio Lower Upper
84 100
86 144.3 43.8 81.4#
49 102.9 90.4 168.0





#21

2-Butanone

Concen: 8.984 ug/L

RT: 3.80 min Scan# 844

Delta R.T. -0.24 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

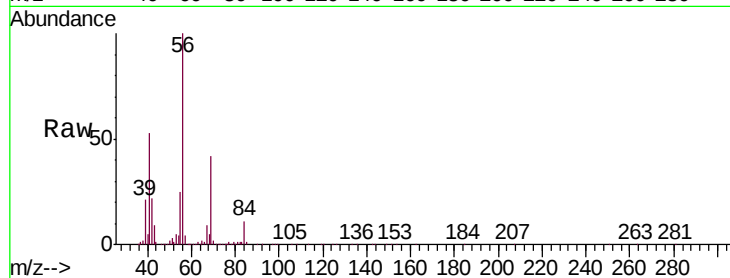
GAQE7

Tgt Ion: 43 Resp: 77233

Ion Ratio Lower Upper

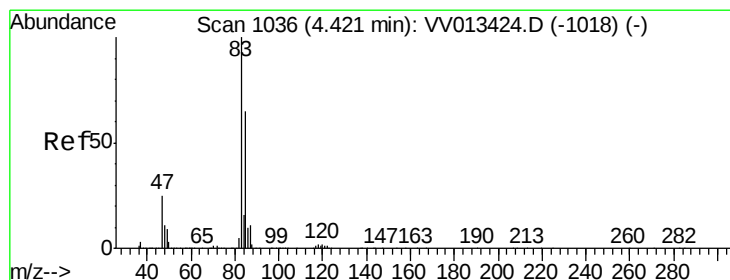
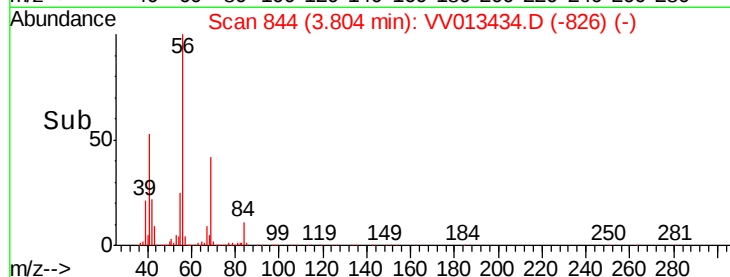
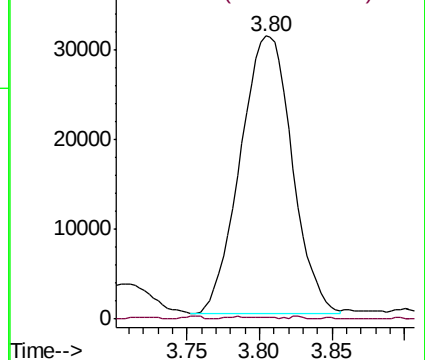
43 100

72 0.2 11.3 33.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#25

Chloroform

Concen: 0.201 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV013434.D

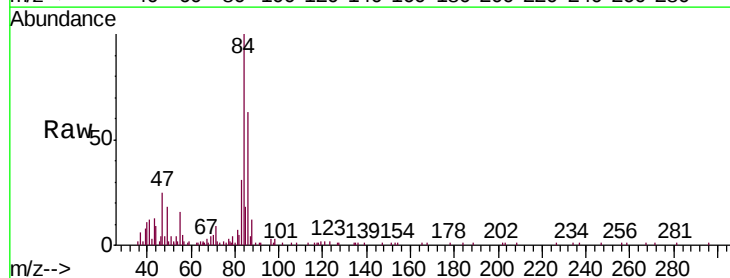
Acq: 30 Oct 2019 15:27

Tgt Ion: 83 Resp: 14820

Ion Ratio Lower Upper

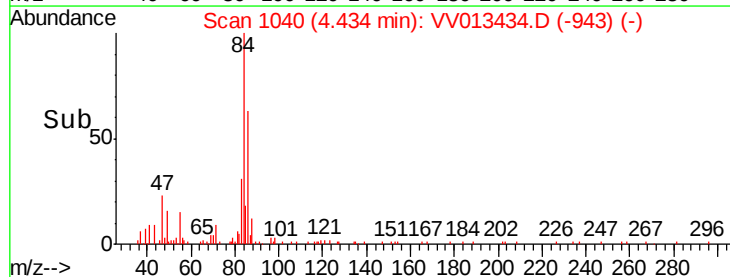
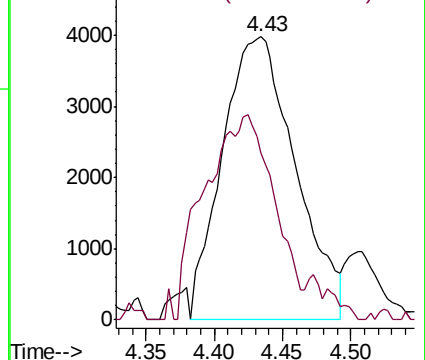
83 100

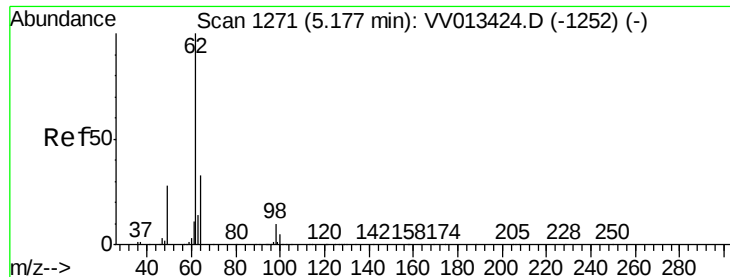
85 59.0 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.046 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

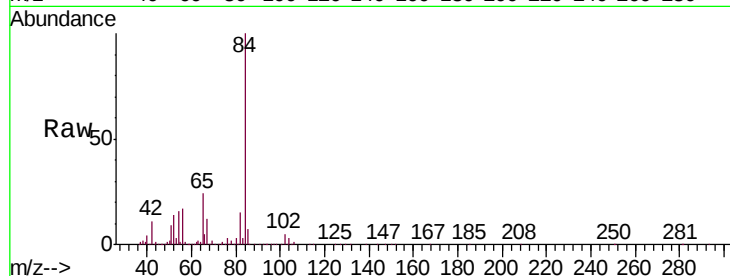
GAQE7

Tgt Ion: 62 Resp: 1894

Ion Ratio Lower Upper

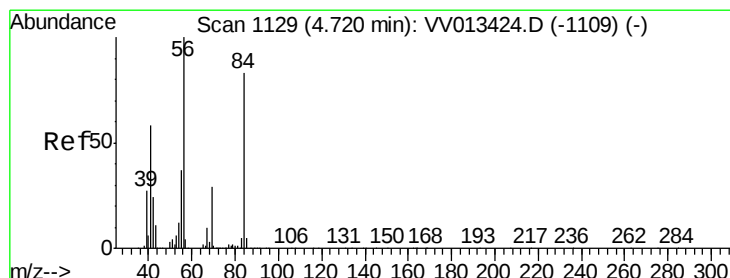
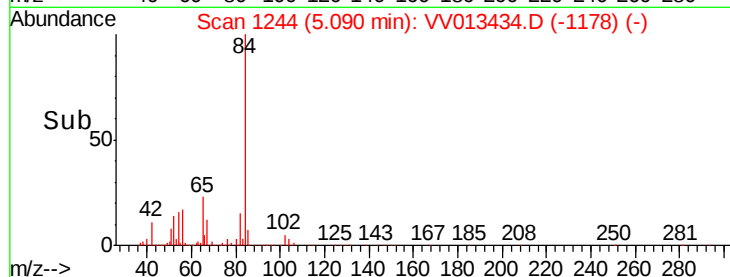
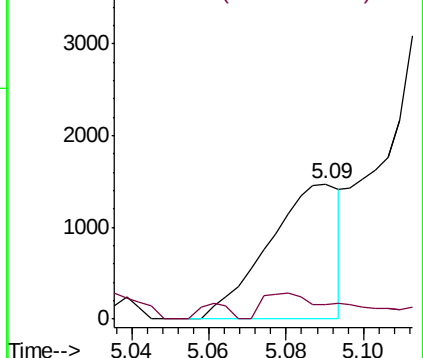
62 100

98 10.3 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#30

Cyclohexane

Concen: 10.436 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

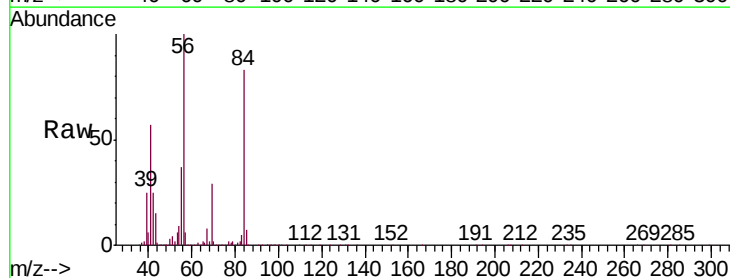
Tgt Ion: 56 Resp: 594917

Ion Ratio Lower Upper

56 100

69 31.6 22.7 34.1

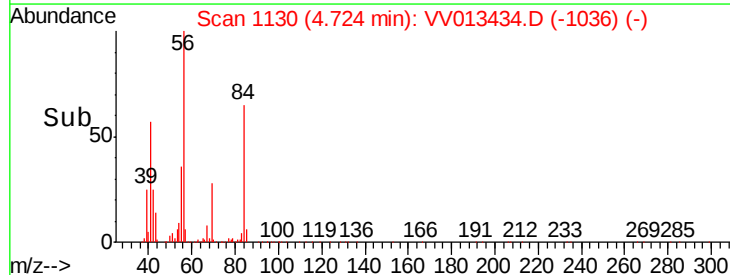
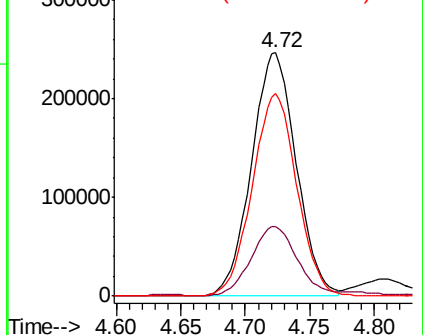
84 83.2 65.5 98.3

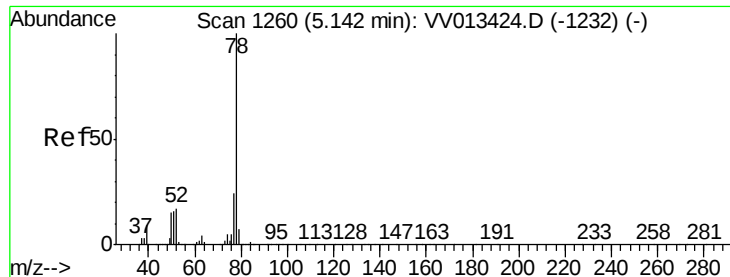


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 51.166 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

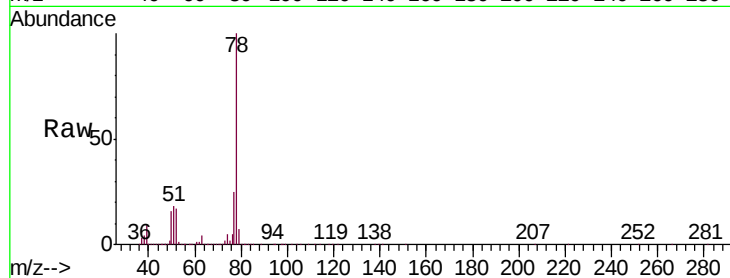
Instrument :

MSVOA_V

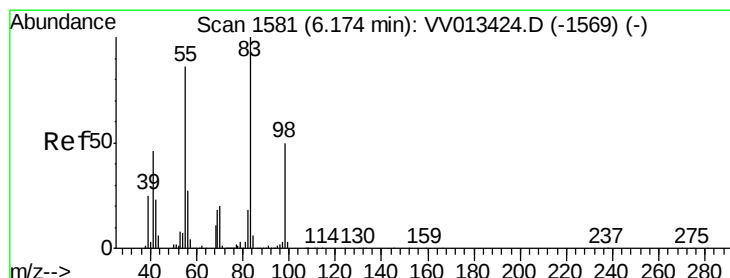
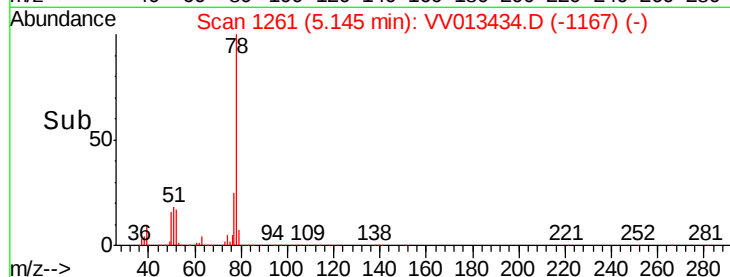
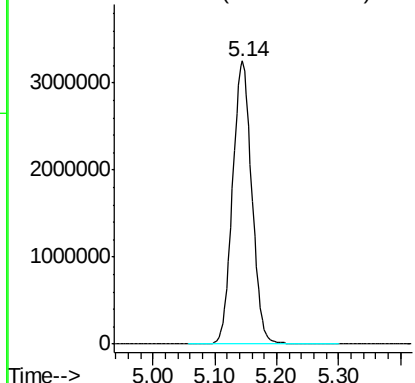
ClientSampleId :

GAQE7

Tgt Ion: 78 Resp: 7006887



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 9.276 ug/L

RT: 6.17 min Scan# 1581

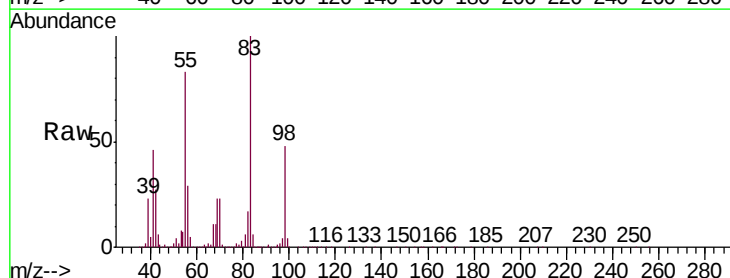
Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Tgt Ion: 83 Resp: 520183

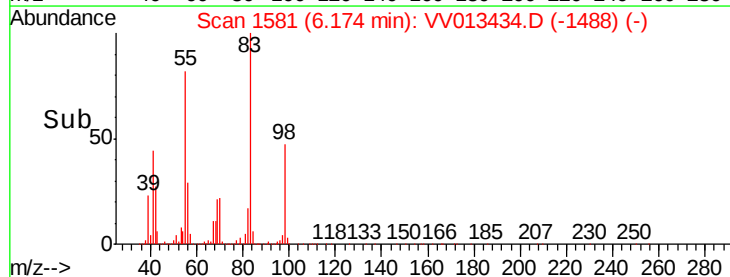
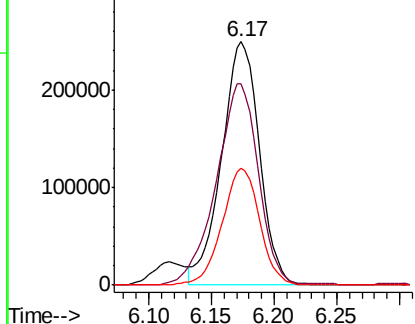
Ion	Ratio	Lower	Upper
83	100		
55	92.1	66.0	99.0
98	48.0	38.2	57.4

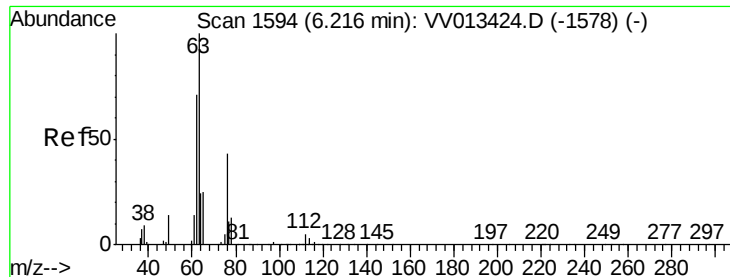


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

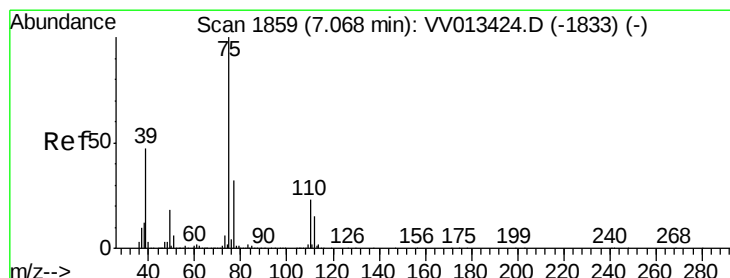
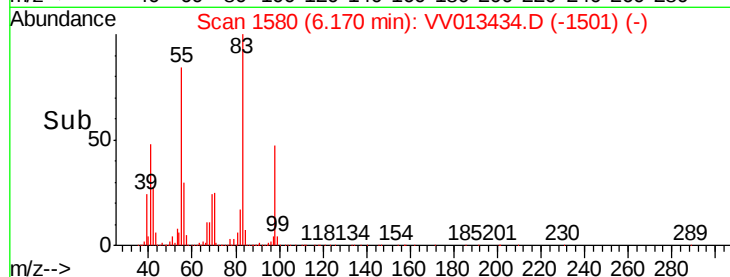
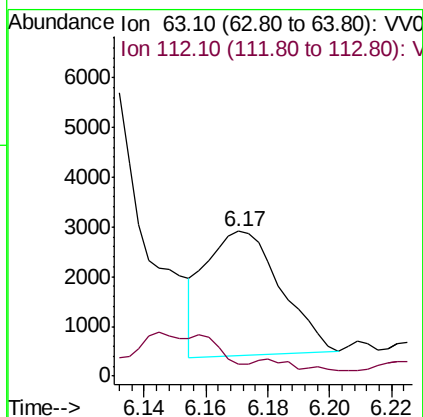
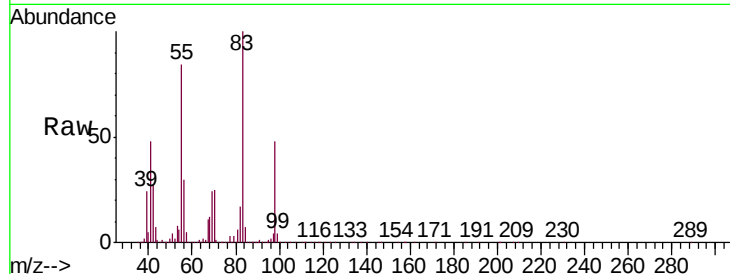




#37
 1,2-Dichloropropane
 Concen: 0.122 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.05 min
 Lab File: VV013434.D
 Acq: 30 Oct 2019 15:27

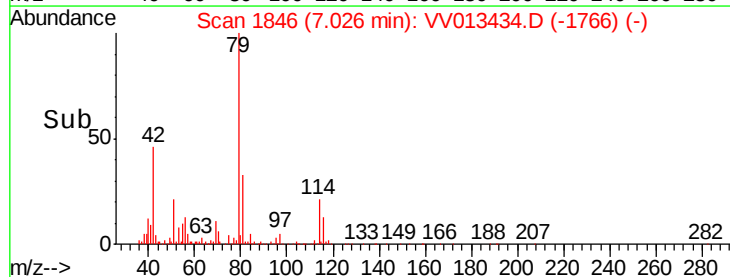
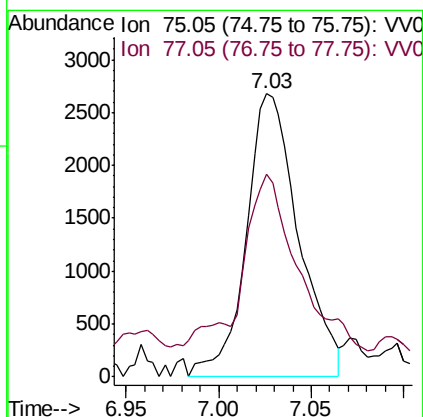
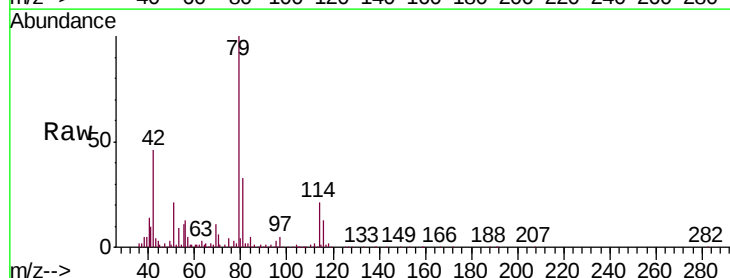
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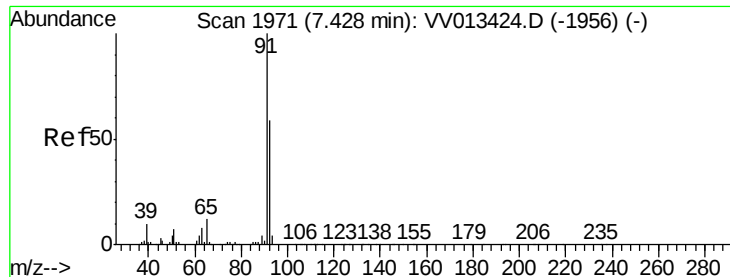
Tgt Ion: 63 Resp: 4226
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013434.D
 Acq: 30 Oct 2019 15:27

Tgt Ion: 75 Resp: 5257
 Ion Ratio Lower Upper
 75 100
 77 71.7 21.1 39.3#





#42

Toluene

Concen: 1.107 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

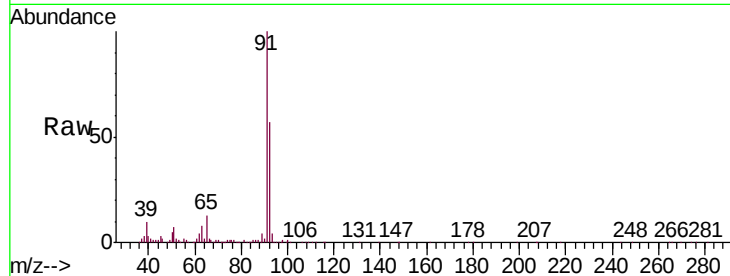
GAQE7

Tgt Ion: 91 Resp: 158080

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

100000

80000

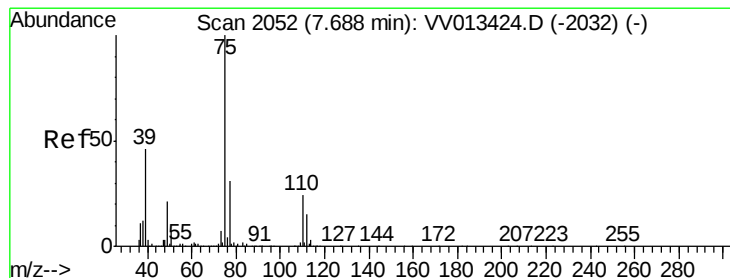
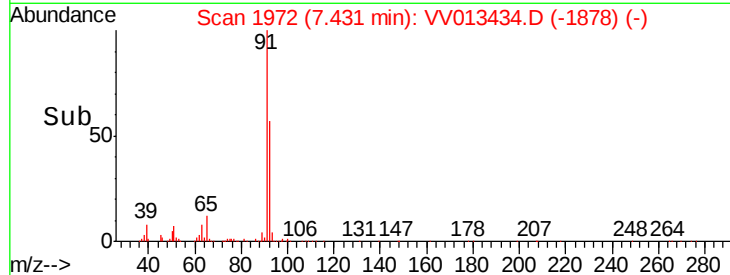
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013434.D

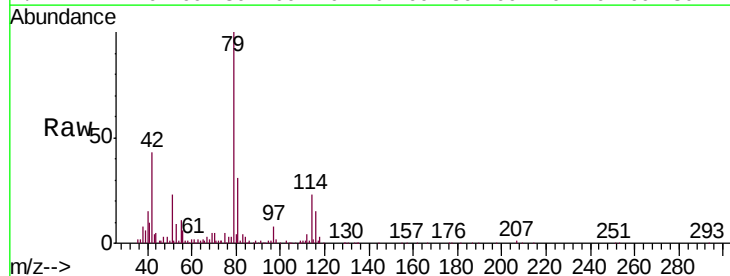
Acq: 30 Oct 2019 15:27

Tgt Ion: 75 Resp: 2798

Ion Ratio Lower Upper

75 100

77 55.1 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

2000

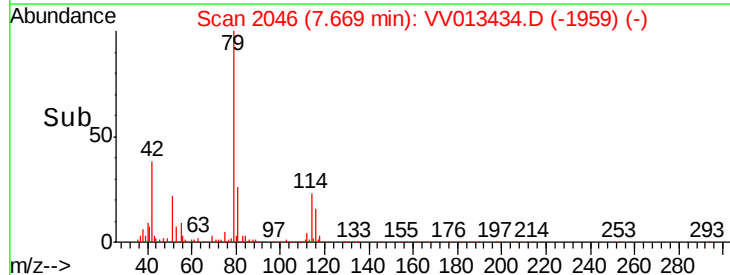
1500

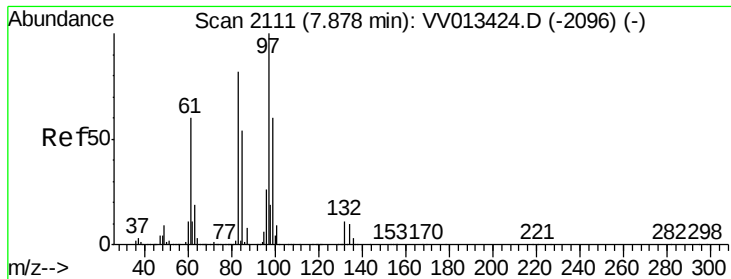
1000

500

0

Time-->

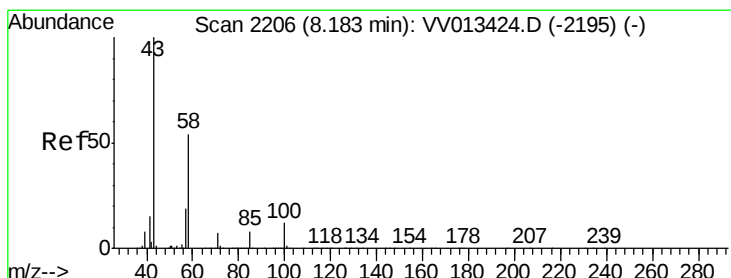
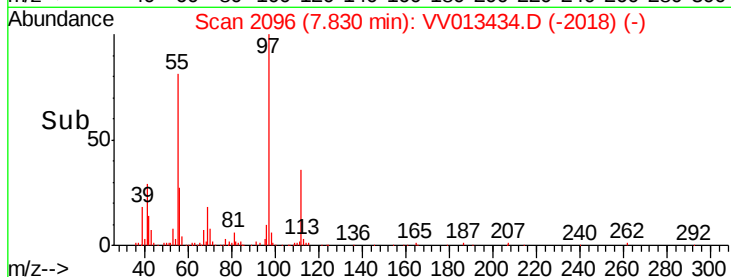
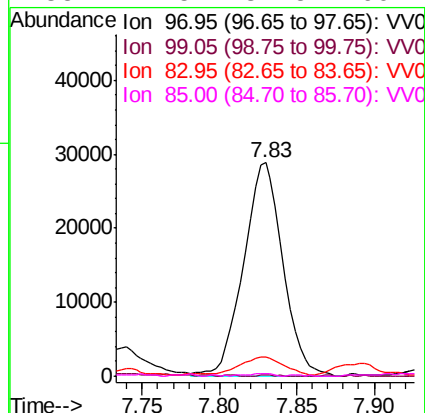
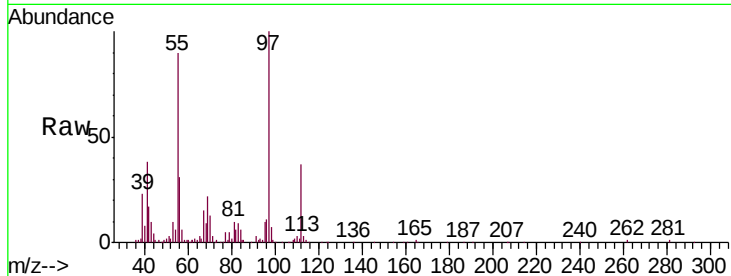




#45
 1,1,2-Trichloroethane
 Concen: 2.219 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.05 min
 Lab File: VV013434.D
 Acq: 30 Oct 2019 15:27

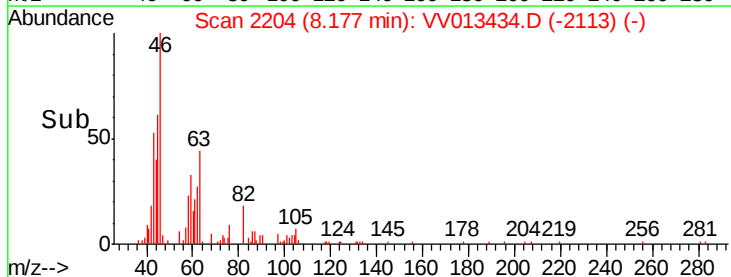
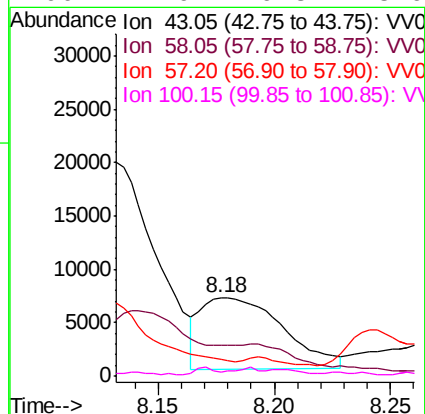
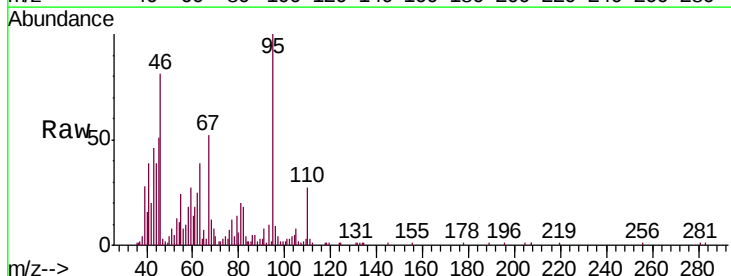
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE7

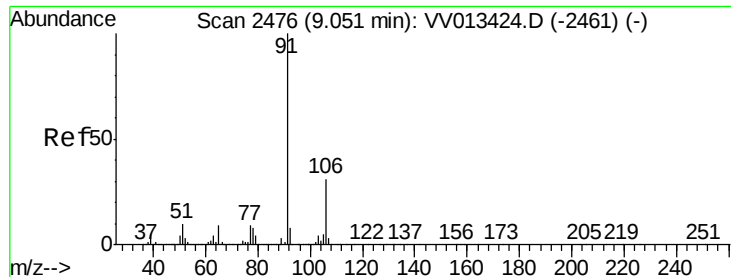
Tgt Ion:	97	Resp:	51138
Ion	Ratio	Lower	Upper
97	100		
99	0.6	41.6	77.3#
83	9.3	58.7	109.1#
85	1.5	37.5	69.7#



#48
 2-Hexanone
 Concen: 1.204 ug/L
 RT: 8.18 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: VV013434.D
 Acq: 30 Oct 2019 15:27

Tgt Ion:	43	Resp:	16596
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.5	65.3#
57	0.0	14.3	21.5#
100	2.9	9.3	13.9#





#52

Ethylbenzene

Concen: 1.208 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

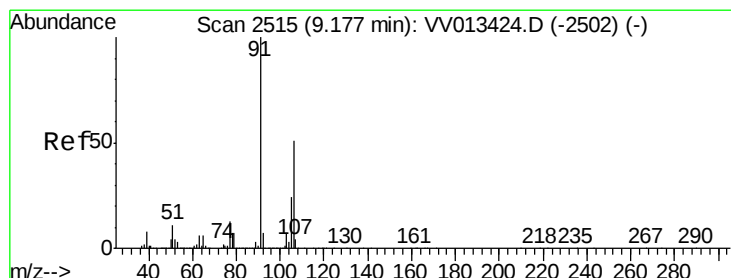
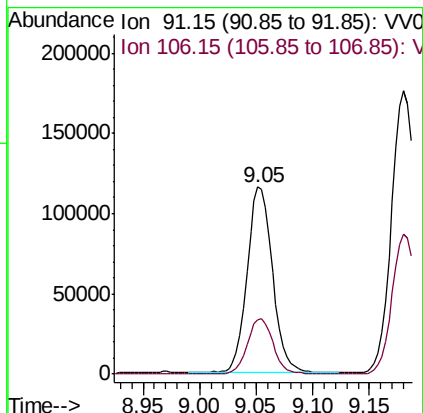
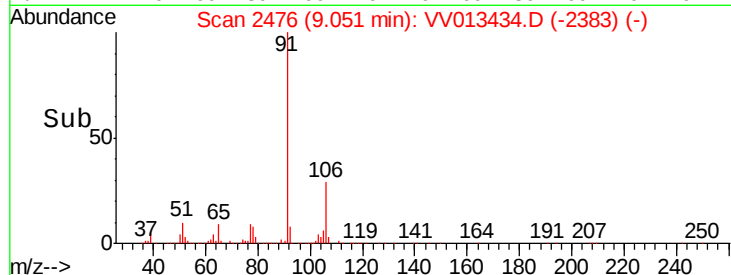
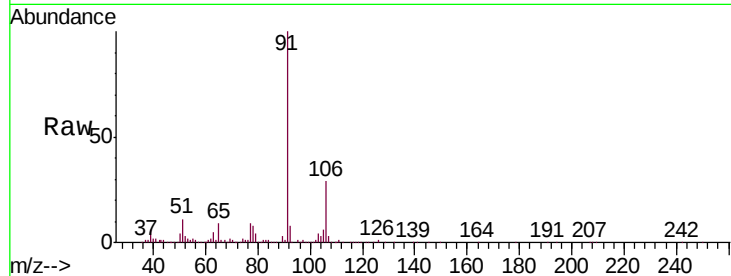
GAQE7

Tgt Ion: 91 Resp: 182817

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



#53

m,p-xylene

Concen: 2.404 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013434.D

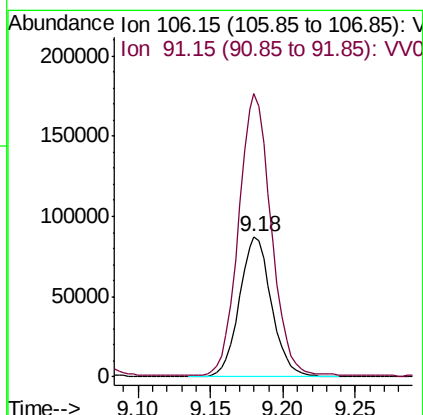
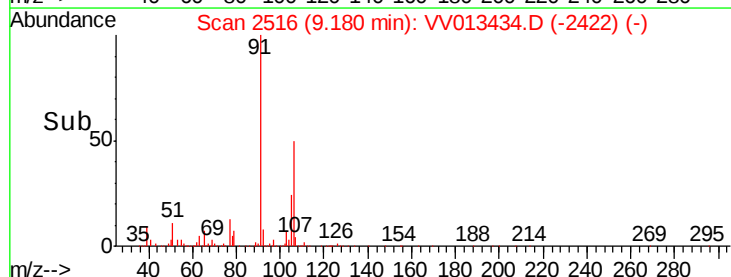
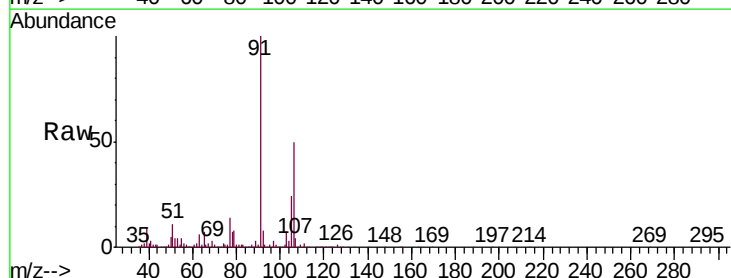
Acq: 30 Oct 2019 15:27

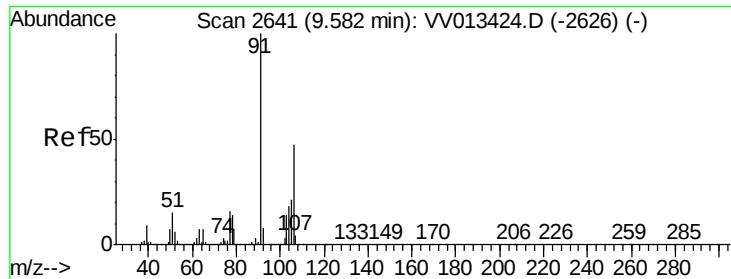
Tgt Ion: 106 Resp: 134423

Ion Ratio Lower Upper

106 100

91 201.8 144.3 267.9





#54

o-xylene

Concen: 0.122 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

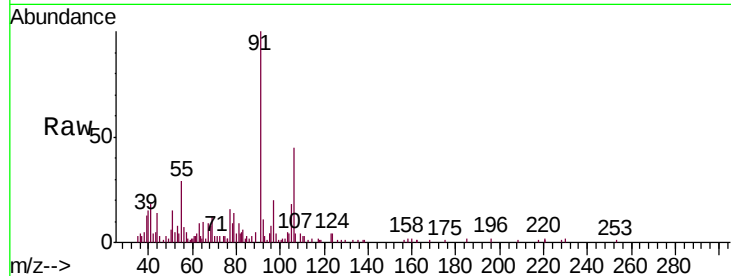
GAQE7

Tgt Ion:106 Resp: 6613

Ion Ratio Lower Upper

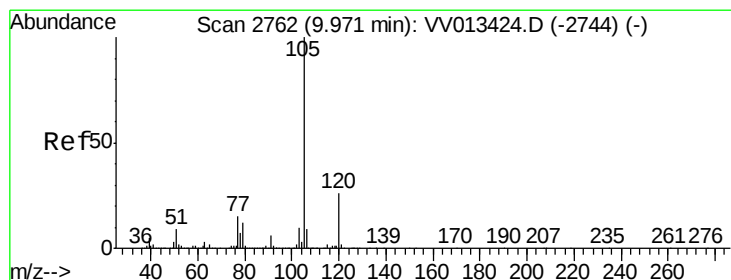
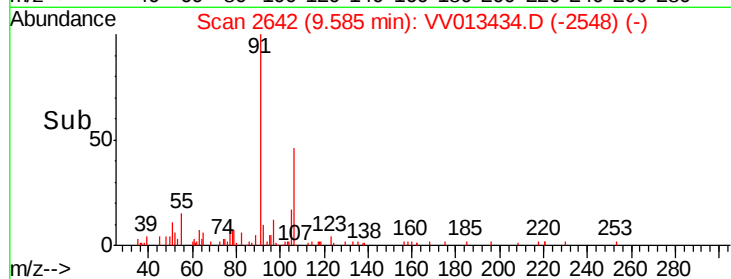
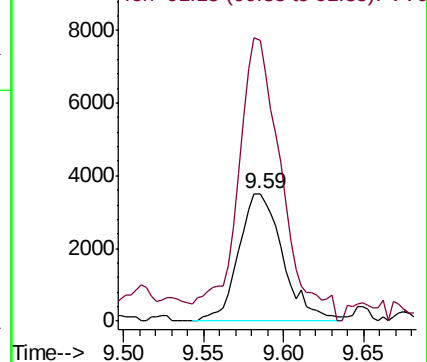
106 100

91 220.6 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 1.878 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

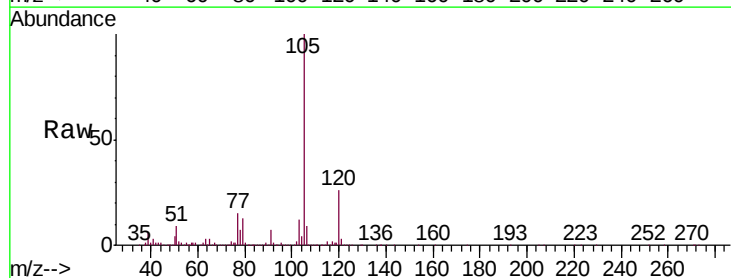
Tgt Ion:105 Resp: 273519

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

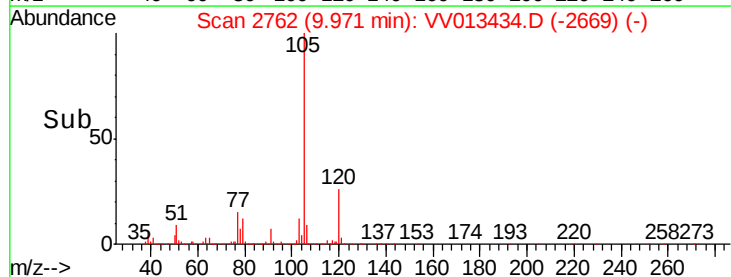
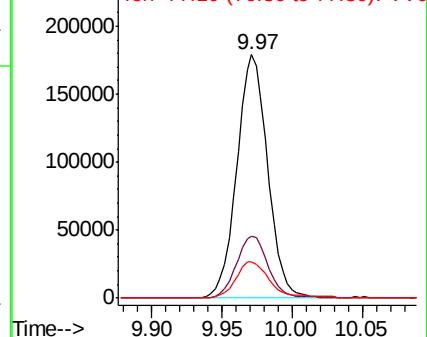
77 16.2 12.9 19.3

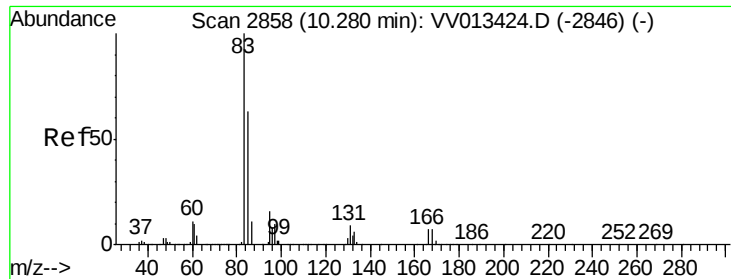


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.135 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

GAQE7

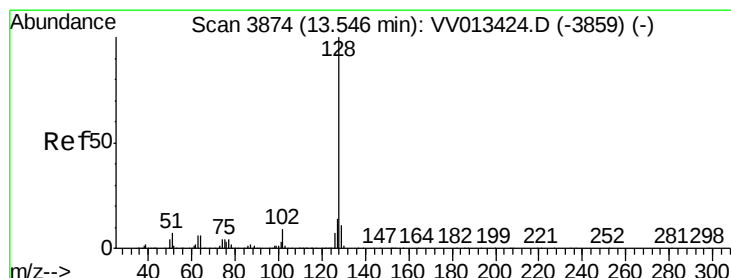
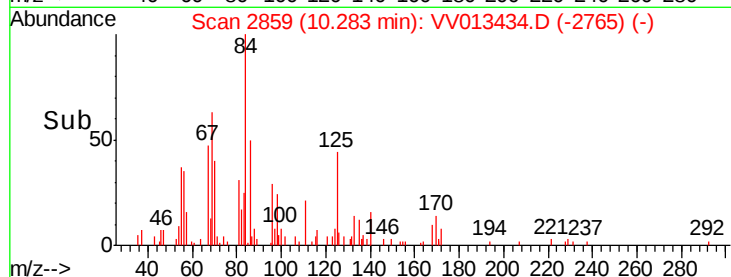
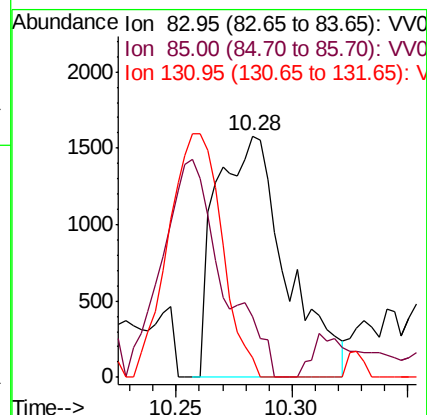
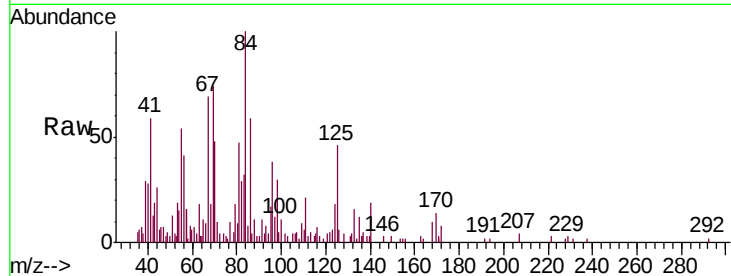
Tgt Ion: 83 Resp: 3310

Ion Ratio Lower Upper

83 100

85 25.3 44.5 82.7#

131 8.2 8.2 12.2



#69

Naphthalene

Concen: 6.037 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013434.D

Acq: 30 Oct 2019 15:27

Tgt Ion: 128 Resp: 380457

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 13.5 10.6 16.0

