

Data File : VV013433.D
Acq On : 30 Oct 2019 15:02
Operator : SY/MD
Sample : K5597-07
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD8

Quant Time: Oct 31 02:46:22 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	350739	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	365867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	201363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132222	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	112662	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	168698	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	3.95	46	396269	52.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	4.40	84	289317	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	155494	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	590257	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	189481	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	497466	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.66	79	65102	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	245081	51.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126009	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	200820	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

						Qvalue
8) Chloroethane	1.32	64	3599	0.164	ug/L	99
12) 1,1-Dichloroethene	2.13	96	3005	0.112	ug/L #	1
13) Acetone	2.22	43	4838	1.305	ug/L	83
14) Carbon disulfide	2.32	76	7771	0.096	ug/L #	74
18) trans-1,2-Dichloroethene	2.79	96	24859	0.696	ug/L	95
21) 2-Butanone	4.06	43	7075	0.876	ug/L #	66
22) cis-1,2-Dichloroethene	3.96	96	101875	2.828	ug/L #	98
25) Chloroform	4.42	83	10494	0.151	ug/L	98
30) Cyclohexane	4.72	56	18675	0.328	ug/L	94
33) Benzene	5.15	78	186723	1.366	ug/L	100
34) Trichloroethene	5.96	95	90717	2.417	ug/L	99
35) Methylcyclohexane	6.17	83	15562	0.278	ug/L #	87
37) 1,2-Dichloropropane	6.12	63	19987	0.578	ug/L #	88
42) Toluene	7.43	91	78438	0.550	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	2988	0.081	ug/L #	43
47) Tetrachloroethene	8.02	164	240975	7.578	ug/L	98
48) 2-Hexanone	8.19	43	20541	1.493	ug/L #	78

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

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Response via : Initial Calibration

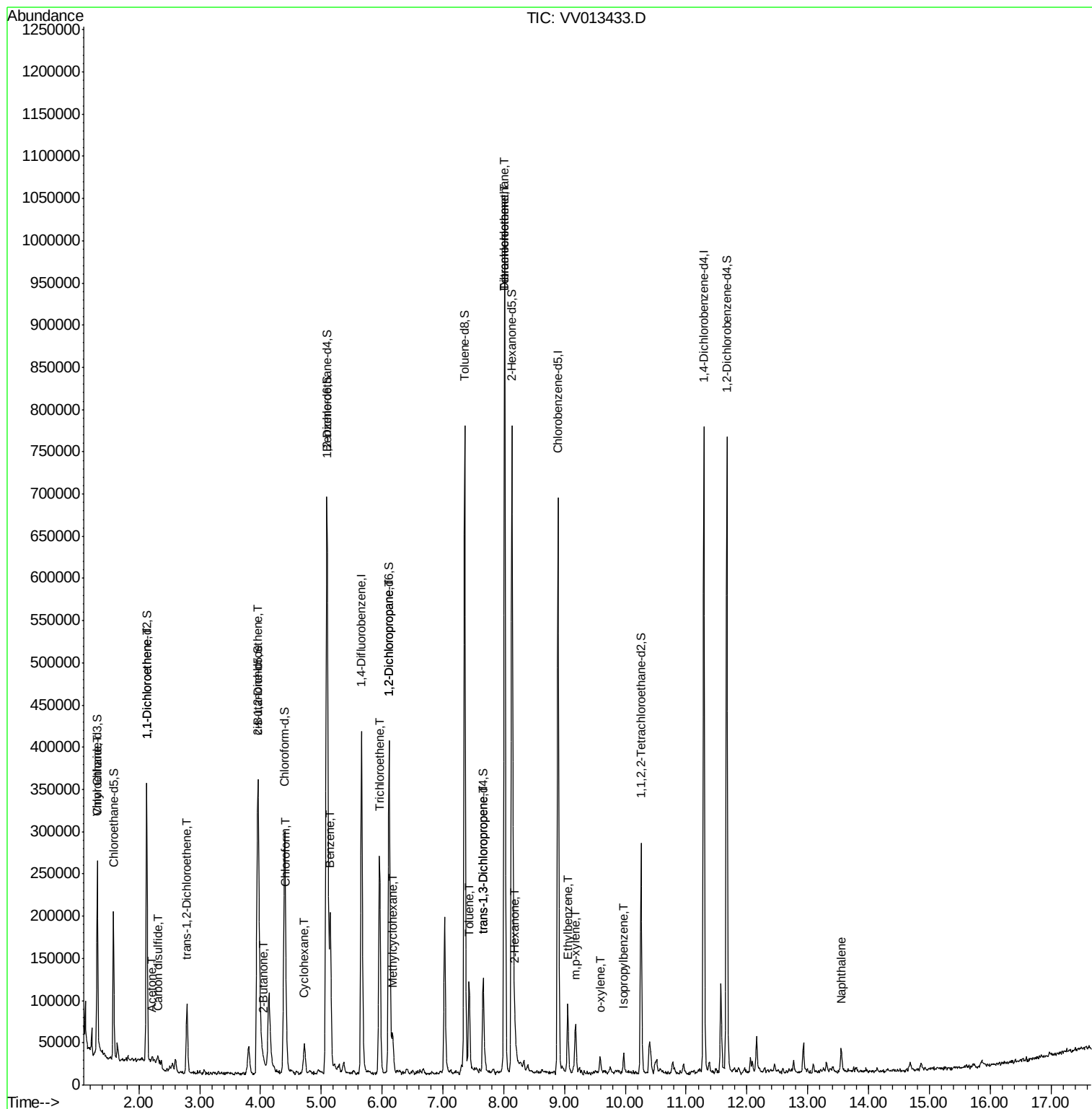
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	206590	7.257	ug/L #	11
52) Ethylbenzene	9.05	91	56237	0.372	ug/L	93
53) m,p-xylene	9.18	106	16704	0.299	ug/L	88
54) o-xylene	9.59	106	5418	0.100	ug/L	98
56) Isopropylbenzene	9.97	105	14760	0.102	ug/L	98
69) Naphthalene	13.55	128	24032	0.417	ug/L	98

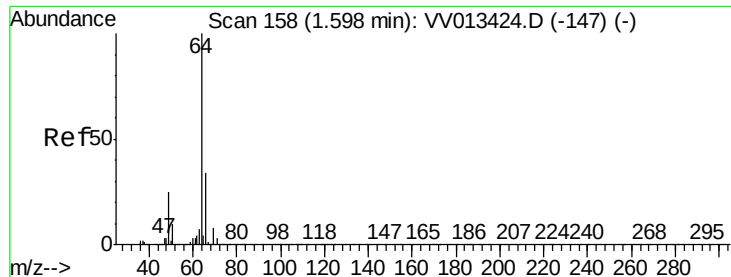
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.164 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

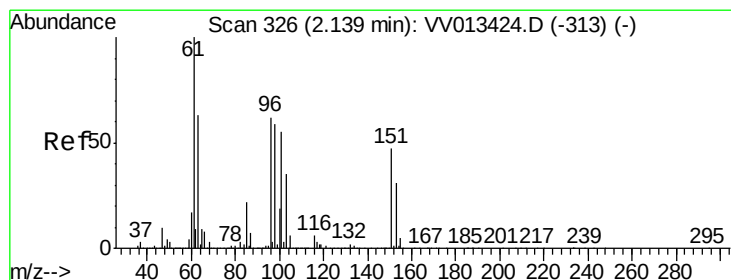
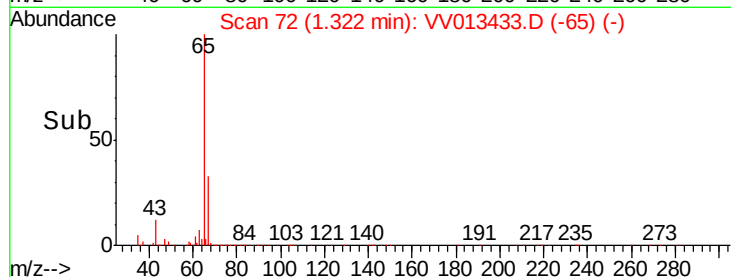
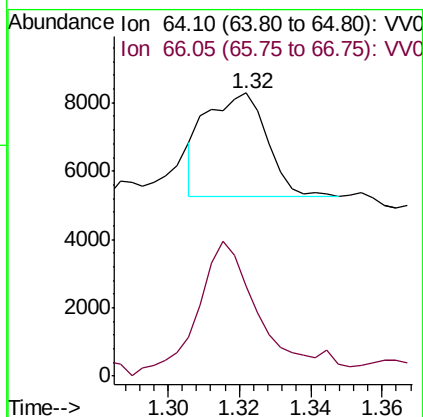
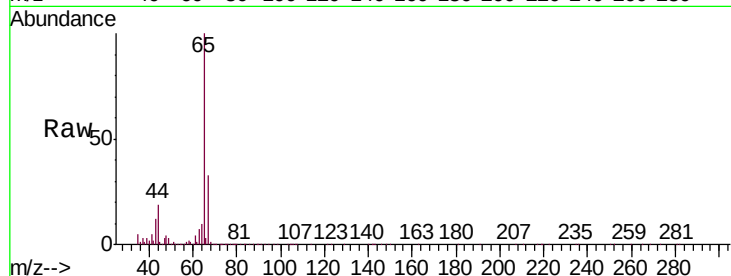
GAQD8

Tgt Ion: 64 Resp: 3599

Ion Ratio Lower Upper

64 100

66 31.9 22.0 41.0



#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

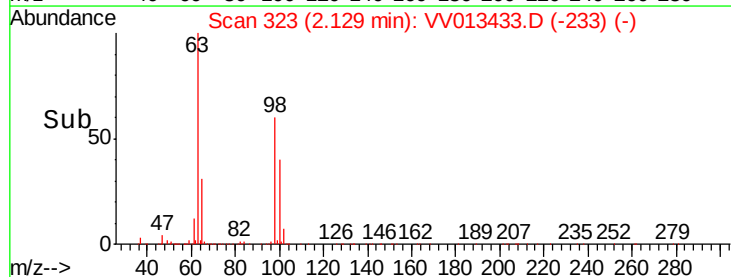
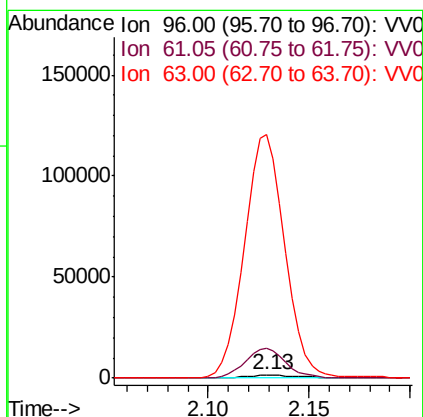
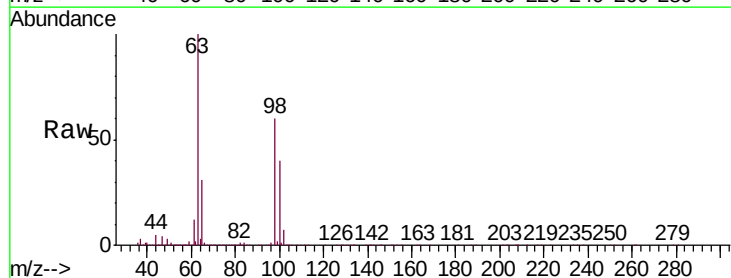
Tgt Ion: 96 Resp: 3005

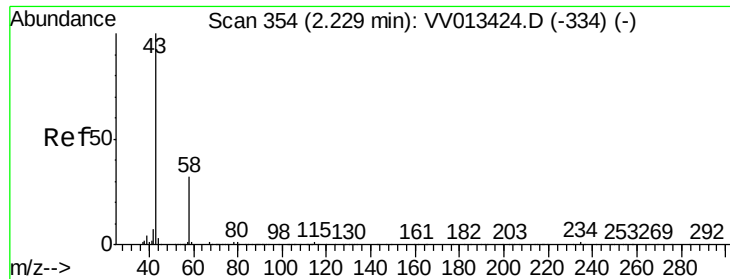
Ion Ratio Lower Upper

96 100

61 944.9 117.8 218.8#

63 7767.9 85.5 158.9#





#13

Acetone

Concen: 1.305 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

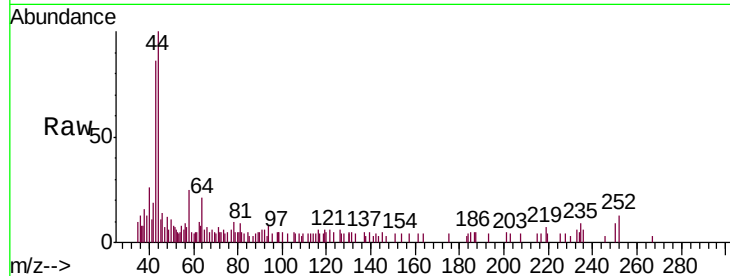
GAQD8

Tgt Ion: 43 Resp: 4838

Ion Ratio Lower Upper

43 100

58 38.4 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

3000

2000

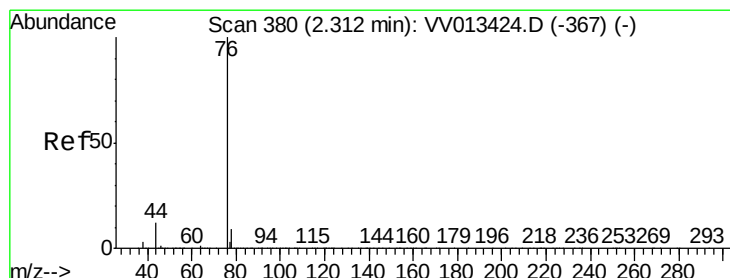
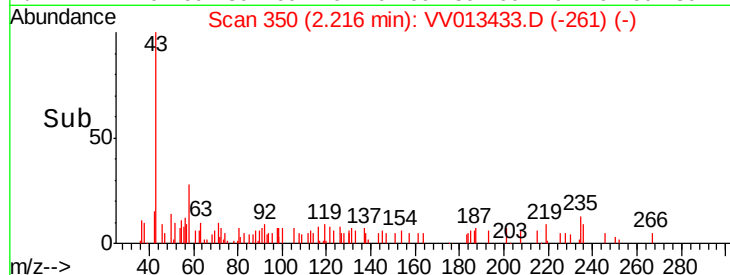
1000

0

Time-->

2.15 2.20 2.25

2.22



#14

Carbon disulfide

Concen: 0.096 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013433.D

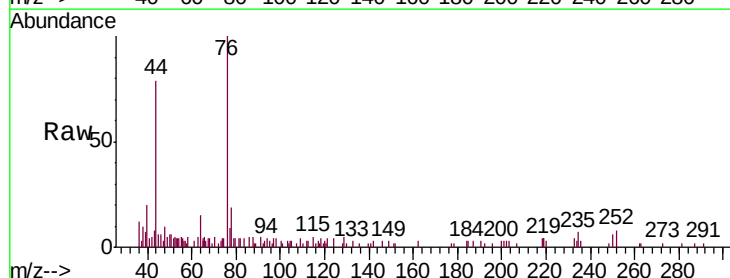
Acq: 30 Oct 2019 15:02

Tgt Ion: 76 Resp: 7771

Ion Ratio Lower Upper

76 100

78 18.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

5000

4000

3000

2000

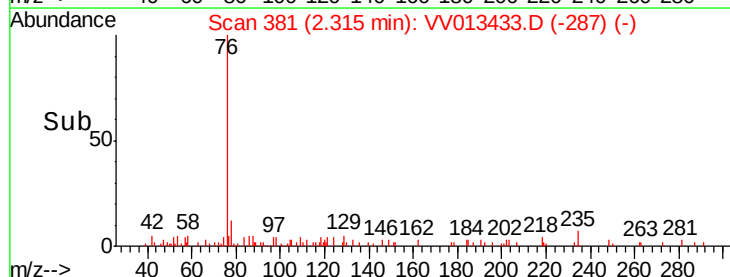
1000

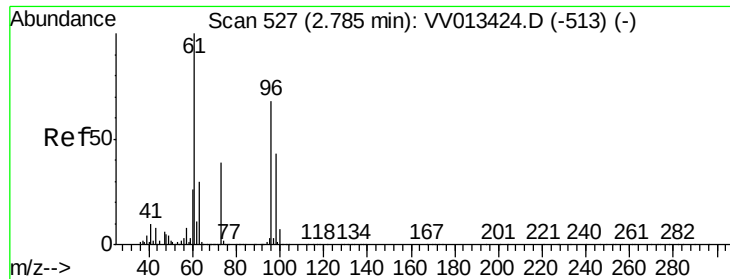
0

Time-->

2.30 2.35

2.32





#18

trans-1,2-Dichloroethene

Concen: 0.696 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

GAQD8

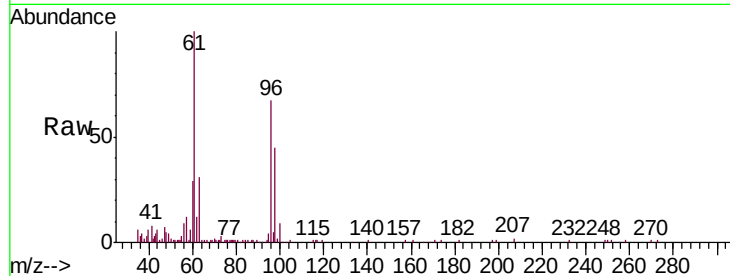
Tgt Ion: 96 Resp: 24859

Ion Ratio Lower Upper

96 100

61 148.6 100.1 185.9

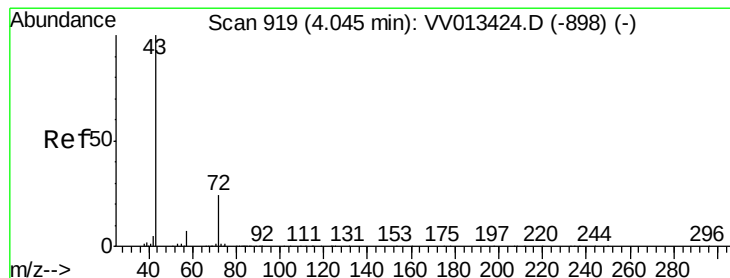
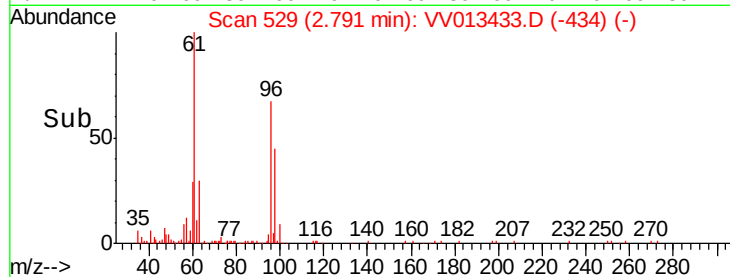
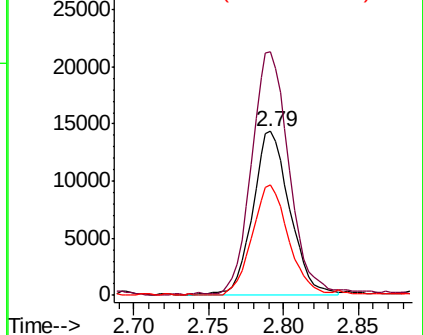
98 67.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#21

2-Butanone

Concen: 0.876 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV013433.D

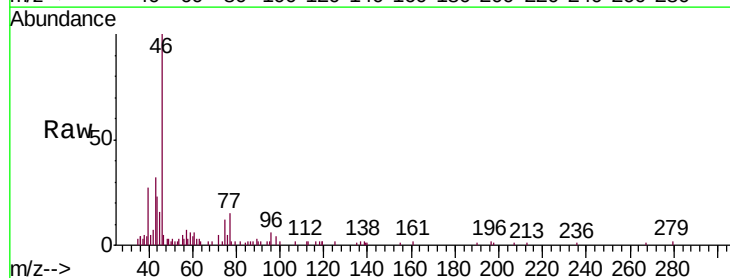
Acq: 30 Oct 2019 15:02

Tgt Ion: 43 Resp: 7075

Ion Ratio Lower Upper

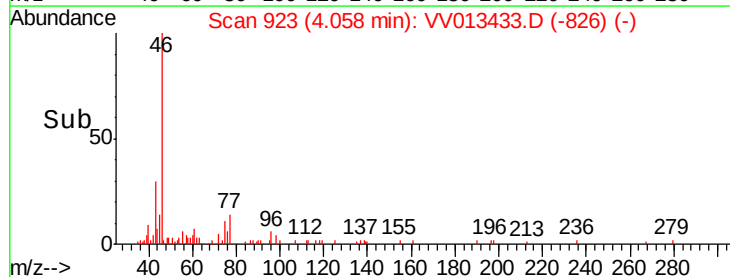
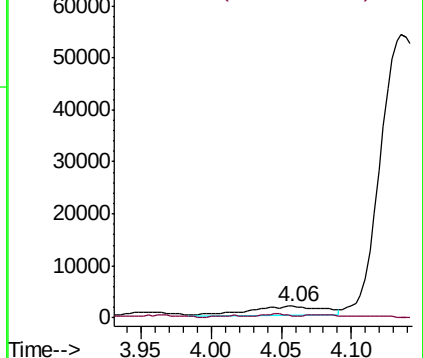
43 100

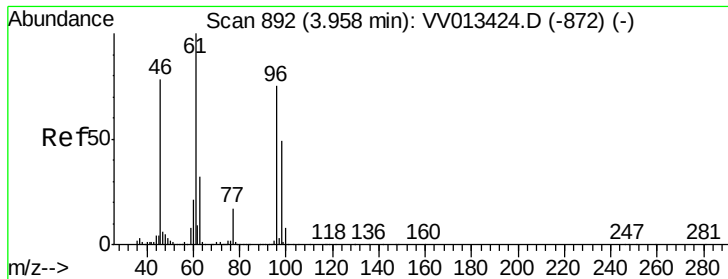
72 6.1 11.3 33.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 2.828 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

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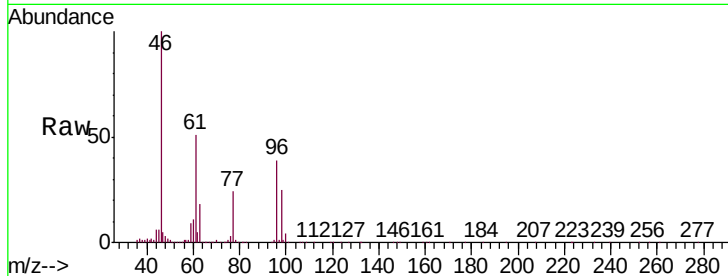
Tgt Ion: 96 Resp: 101875

Ion Ratio Lower Upper

96 100

61 130.6 89.9 167.0

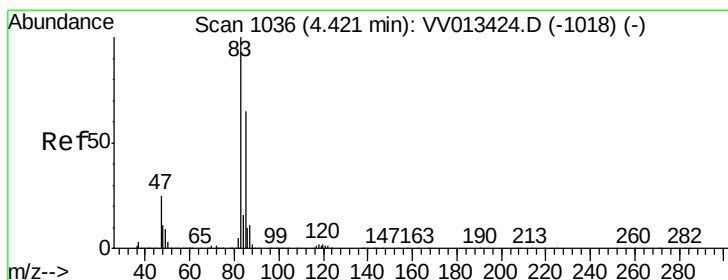
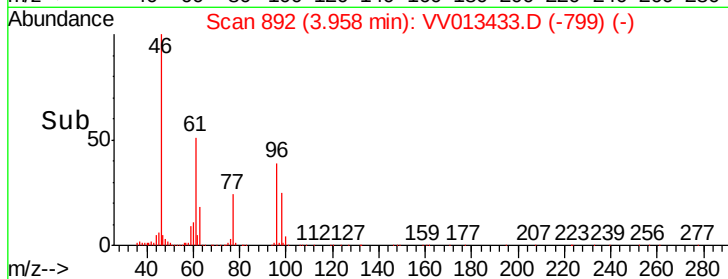
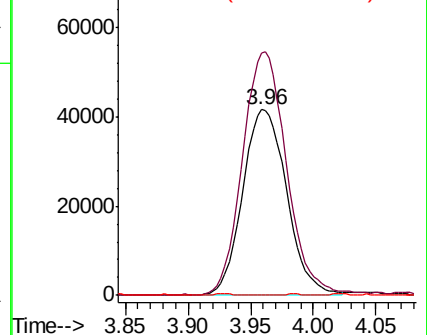
68 0.4 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.151 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013433.D

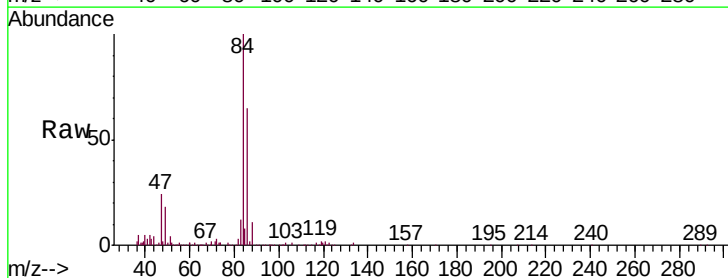
Acq: 30 Oct 2019 15:02

Tgt Ion: 83 Resp: 10494

Ion Ratio Lower Upper

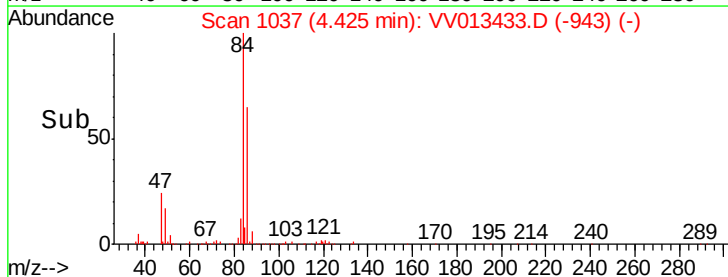
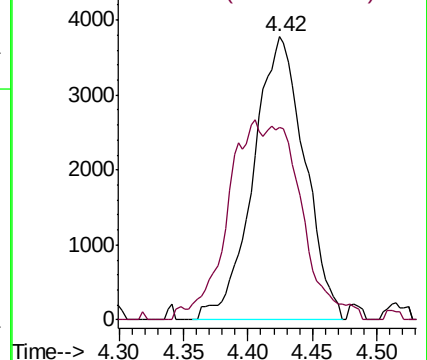
83 100

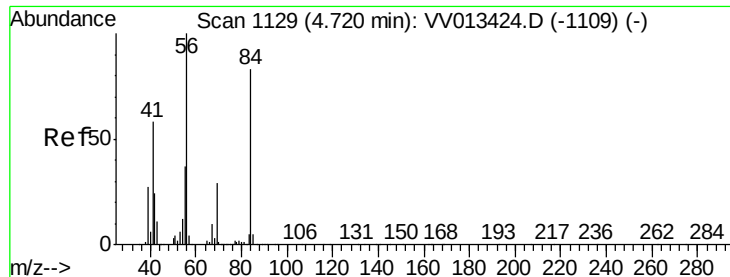
85 68.0 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

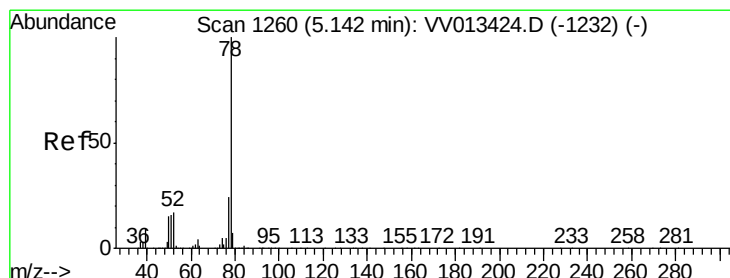
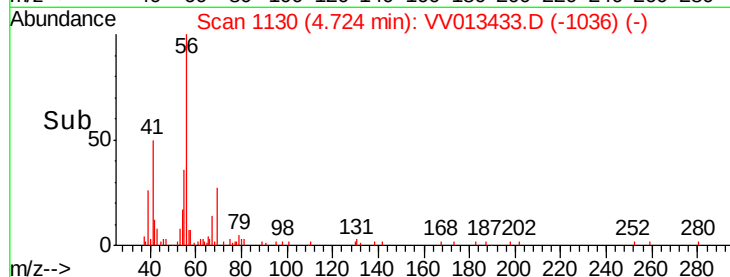
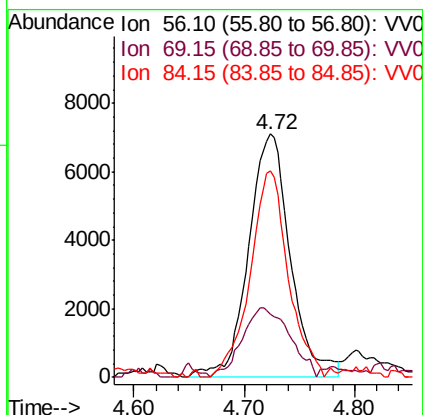
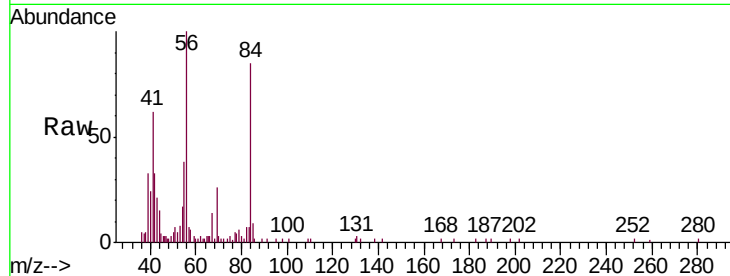




#30
Cyclohexane
Concen: 0.328 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02

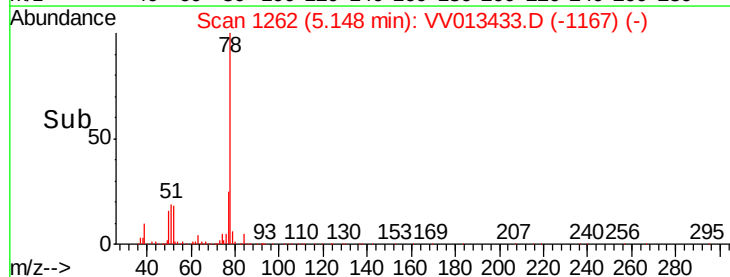
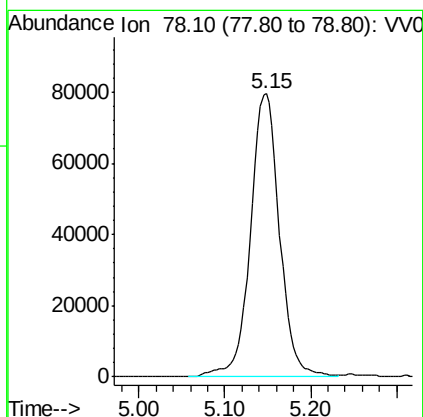
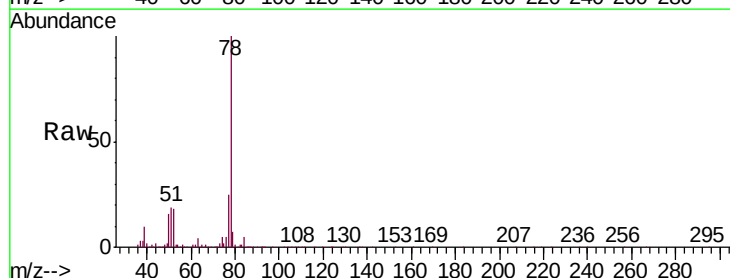
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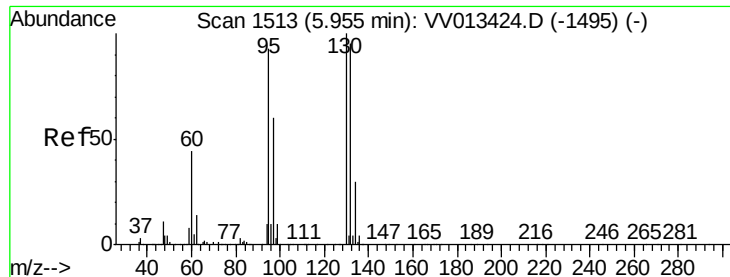
Tgt Ion: 56 Resp: 18675
Ion Ratio Lower Upper
56 100
69 32.7 22.7 34.1
84 76.9 65.5 98.3



#33
Benzene
Concen: 1.366 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02

Tgt Ion: 78 Resp: 186723

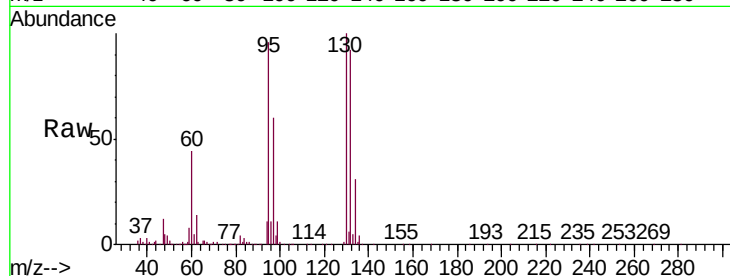




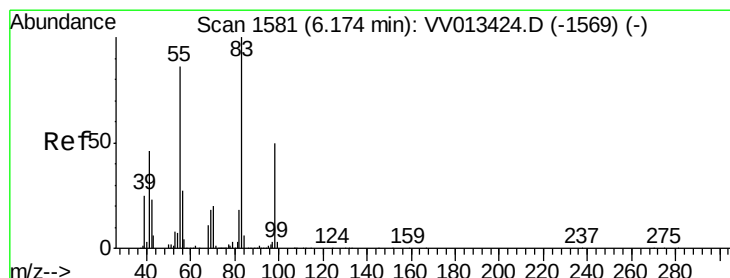
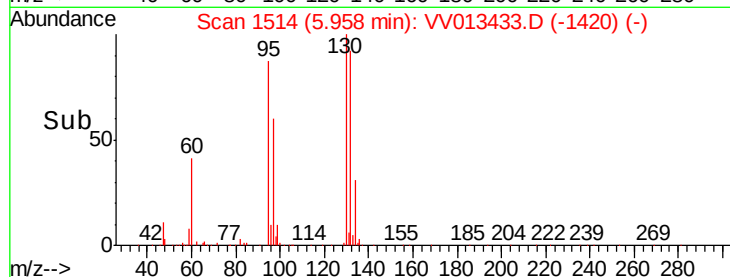
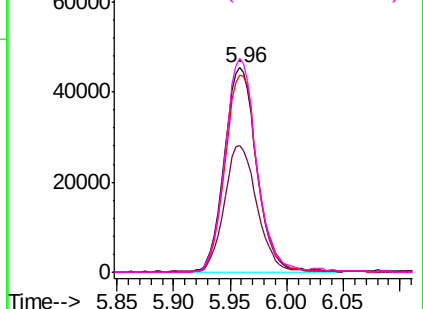
#34
 Trichloroethene
 Concen: 2.417 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD8

Tgt Ion:	95	Resp:	90717
Ion	Ratio	Lower	Upper
95	100		
97	62.2	43.9	81.5
132	96.2	68.7	127.7
130	104.5	72.1	133.9

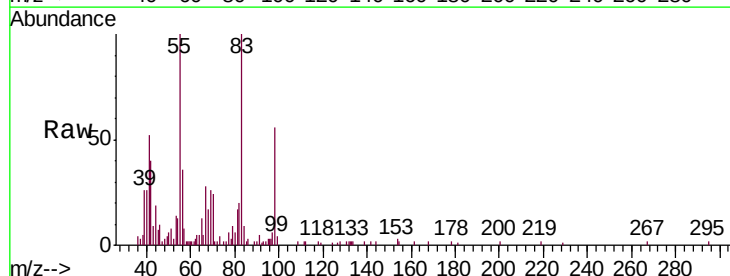


Abundance Ion 95.00 (94.70 to 95.70): VV013433.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013433.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013433.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013433.D (-1420) (-)

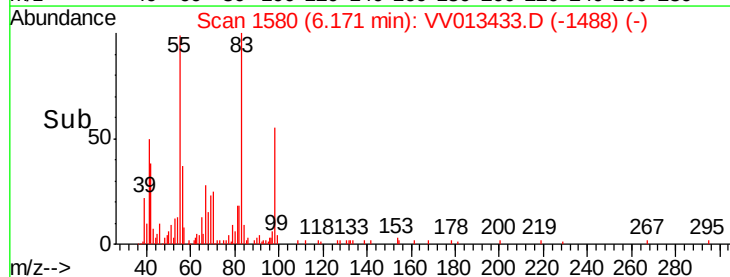
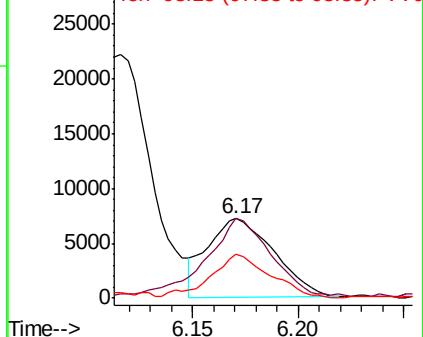


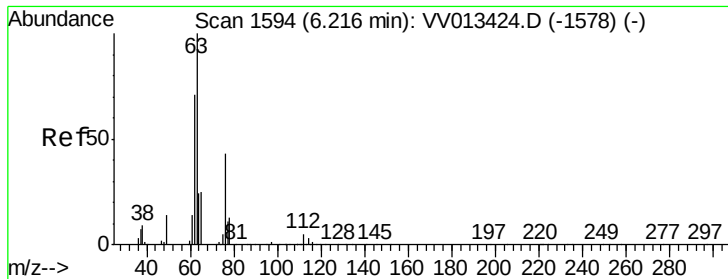
#35
 Methylcyclohexane
 Concen: 0.278 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

Tgt Ion:	83	Resp:	15562
Ion	Ratio	Lower	Upper
83	100		
55	99.3	66.0	99.0#
98	50.6	38.2	57.4



Abundance Ion 83.15 (82.85 to 83.85): VV013433.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV013433.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV013433.D (-1488) (-)

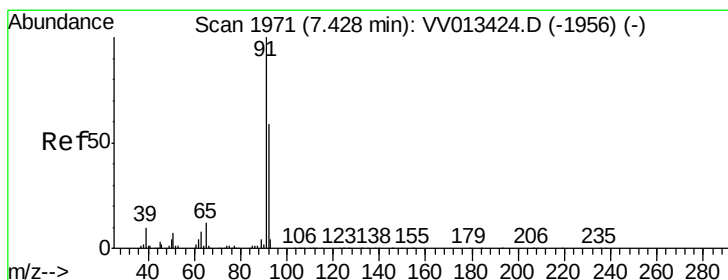
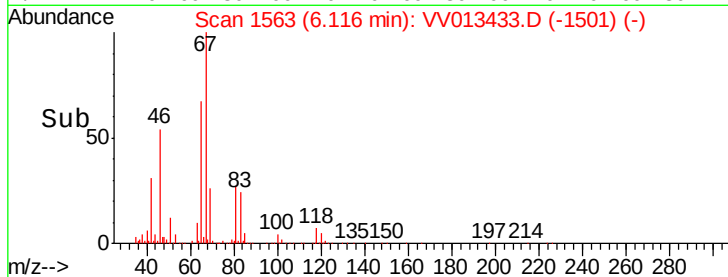
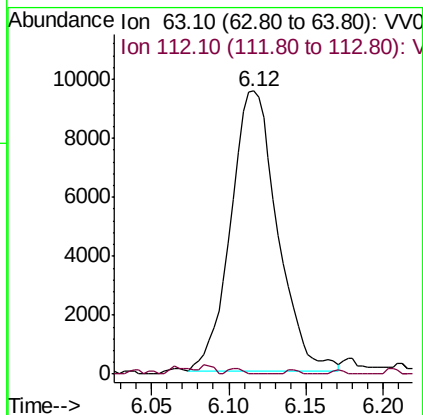
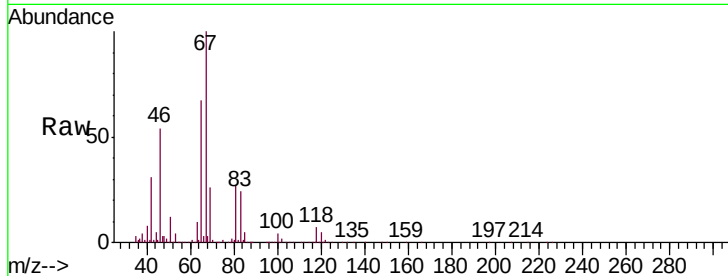




#37
 1,2-Dichloropropane
 Concen: 0.578 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

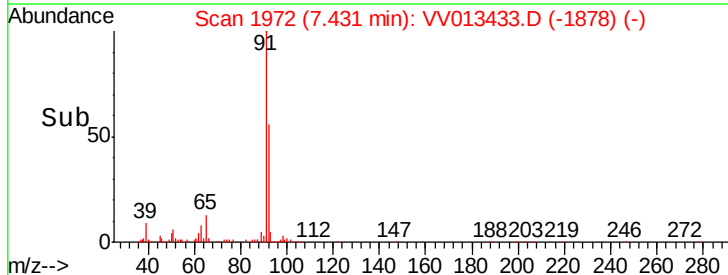
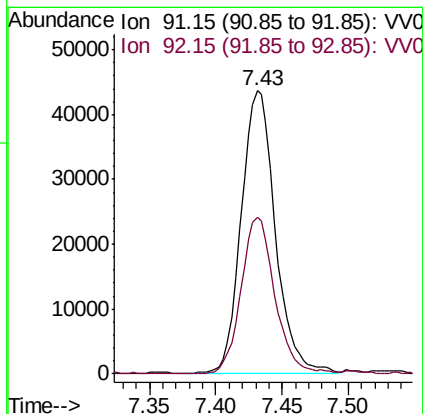
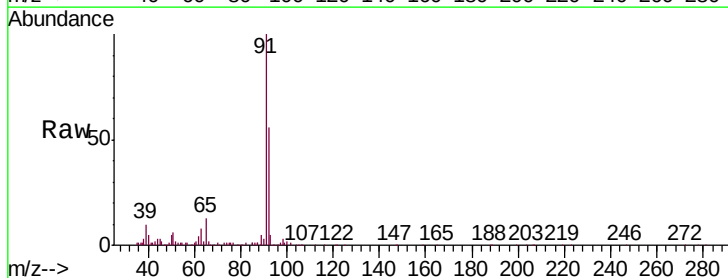
Instrument :
 MSVOA_V
 ClientSampled :
 GAQD8

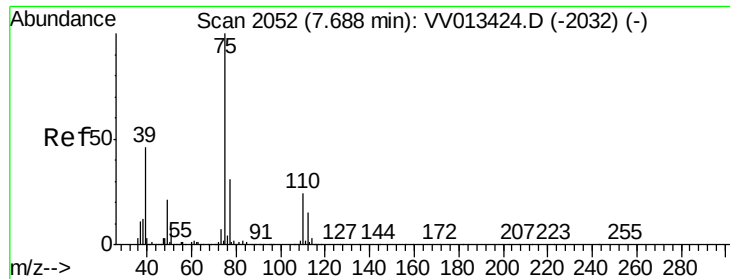
Tgt Ion: 63 Resp: 19987
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.6 5.4#



#42
 Toluene
 Concen: 0.550 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

Tgt Ion: 91 Resp: 78438
 Ion Ratio Lower Upper
 91 100
 92 55.5 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

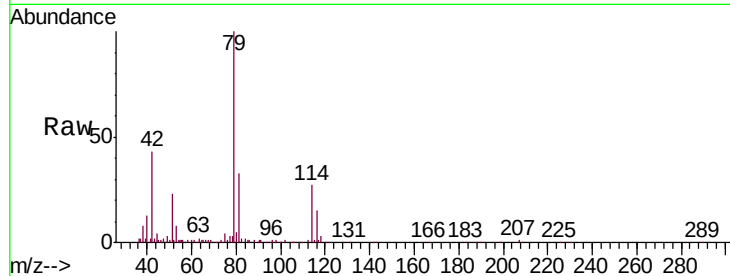
GAQD8

Tgt Ion: 75 Resp: 2988

Ion Ratio Lower Upper

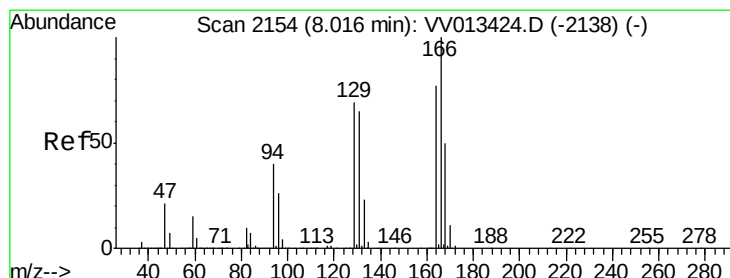
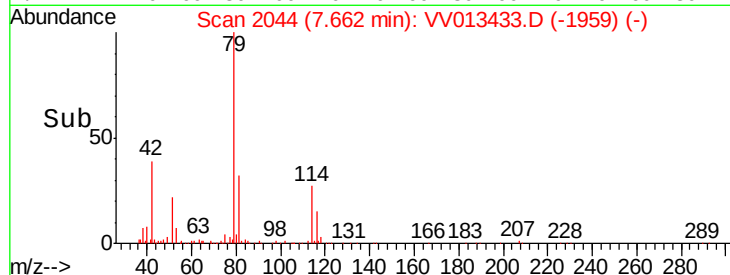
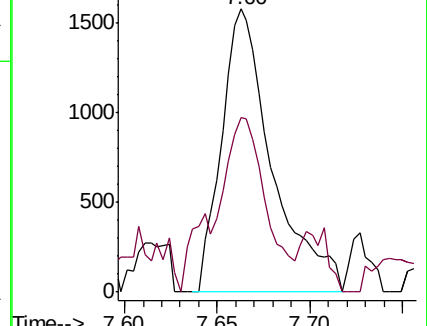
75 100

77 61.8 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 7.578 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Tgt Ion: 164 Resp: 240975

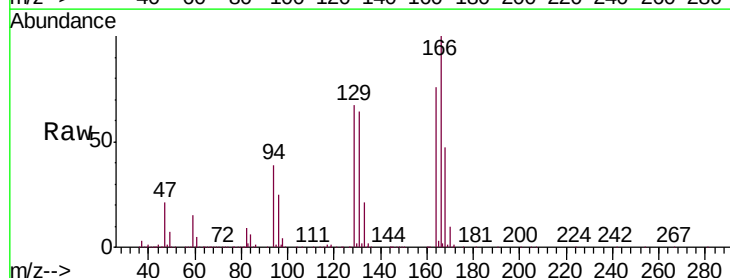
Ion Ratio Lower Upper

164 100

129 88.0 63.4 117.8

131 84.4 60.3 112.1

166 132.0 90.8 168.6

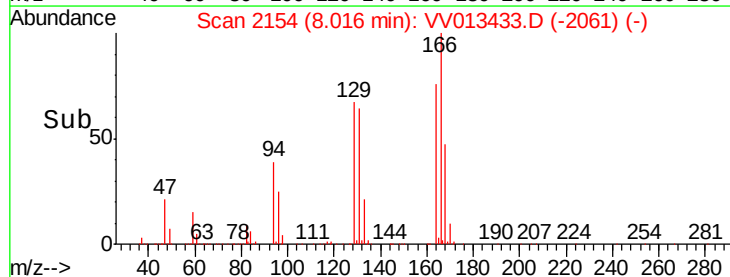
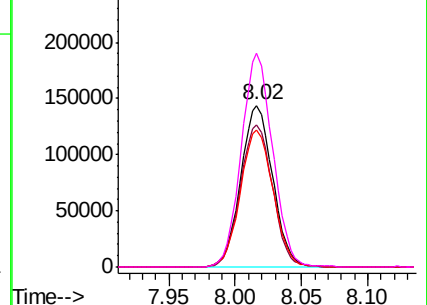


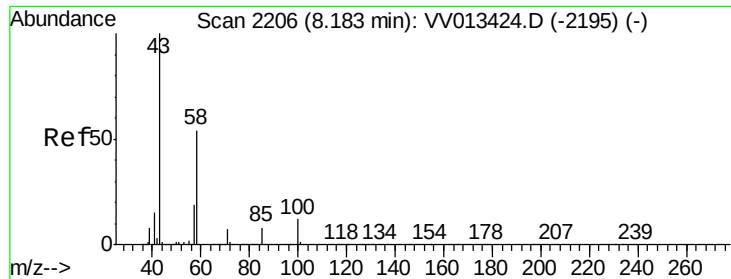
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

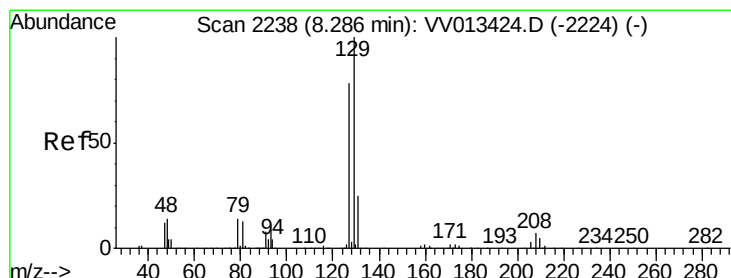
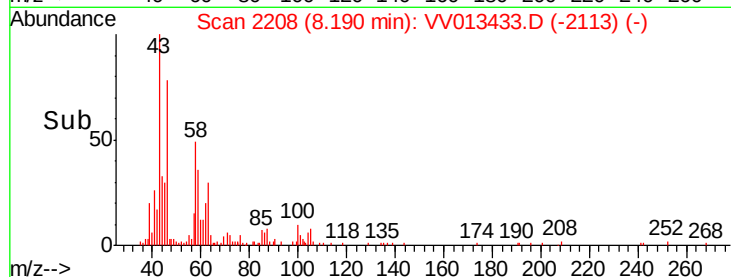
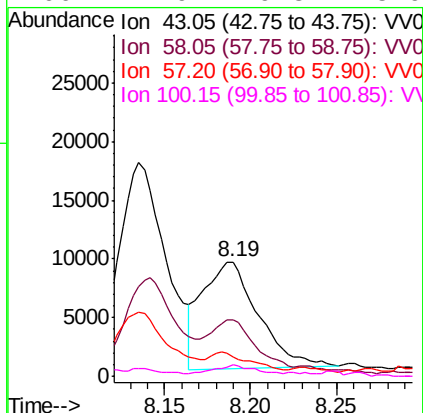
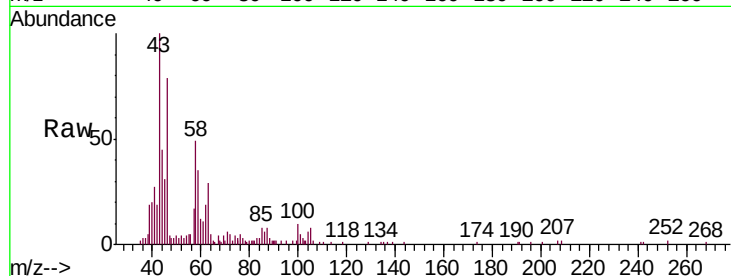




#48
2-Hexanone
Concen: 1.493 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02

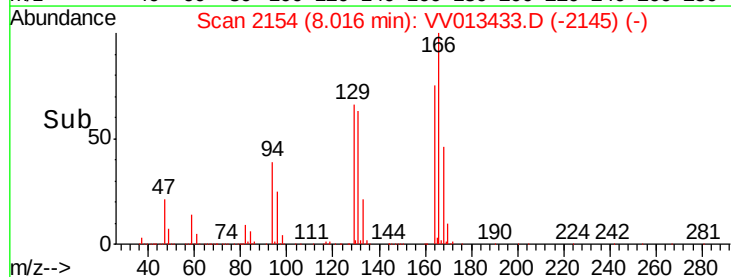
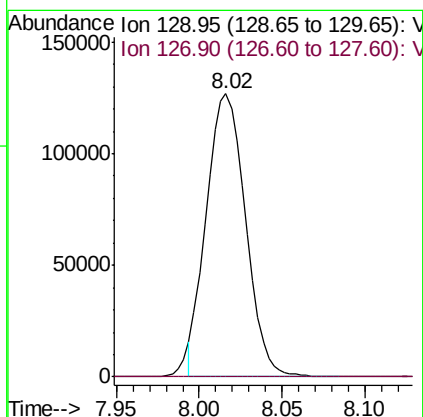
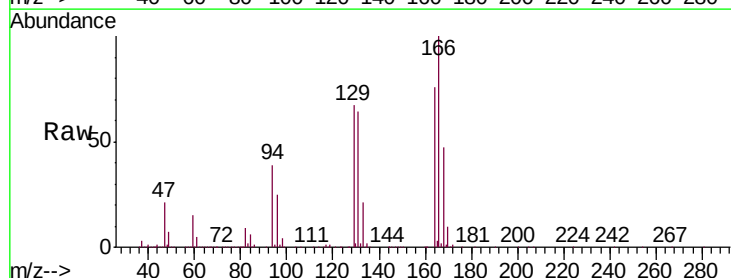
Instrument :
MSVOA_V
ClientSampled :
GAQD8

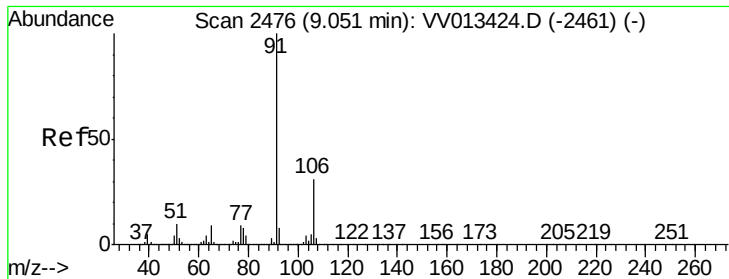
Tgt Ion:	43	Resp:	20541
Ion	Ratio	Lower	Upper
43	100		
58	35.2	43.5	65.3#
57	12.8	14.3	21.5#
100	4.9	9.3	13.9#



#49
Dibromochloromethane
Concen: 7.257 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02

Tgt Ion:	129	Resp:	206590
Ion	Ratio	Lower	Upper
129	100		
127	0.2	53.8	100.0#





#52

Ethylbenzene

Concen: 0.372 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

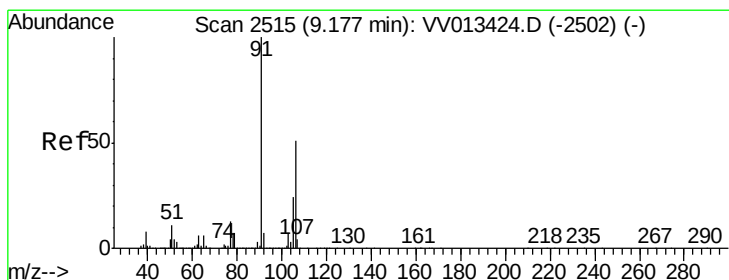
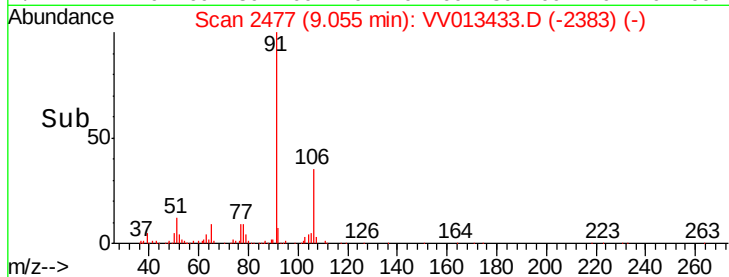
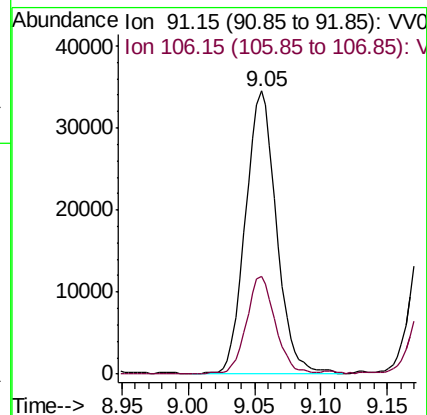
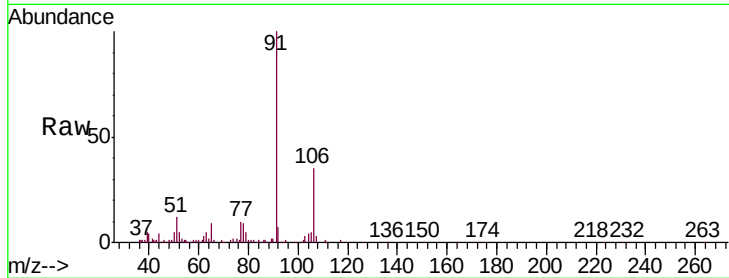
GAQD8

Tgt Ion: 91 Resp: 56237

Ion Ratio Lower Upper

91 100

106 34.6 21.5 39.9



#53

m,p-xylene

Concen: 0.299 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013433.D

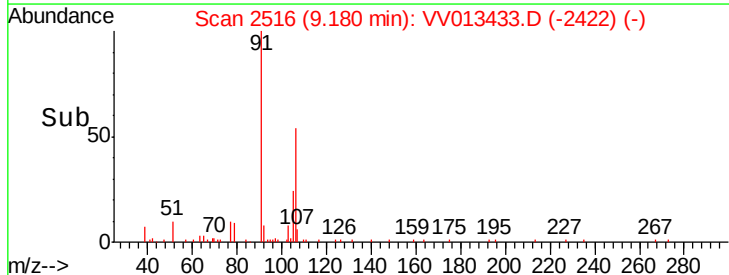
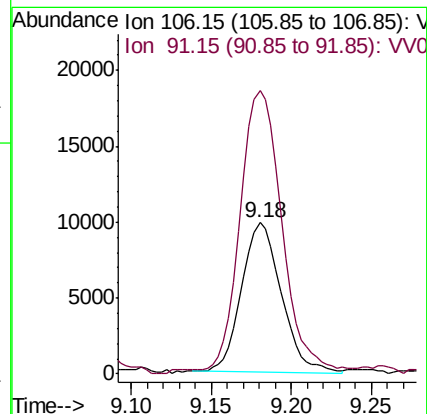
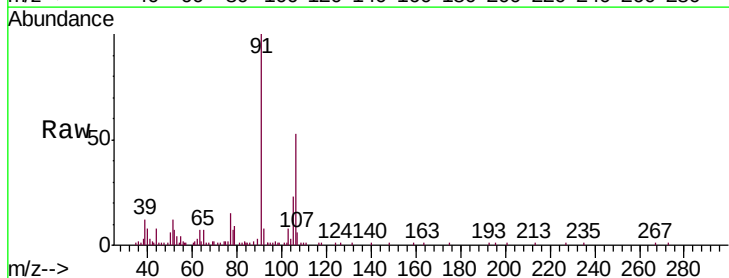
Acq: 30 Oct 2019 15:02

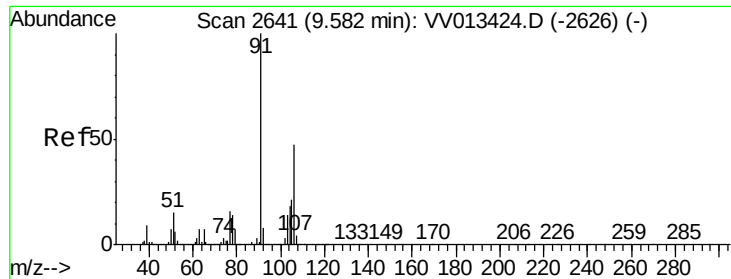
Tgt Ion: 106 Resp: 16704

Ion Ratio Lower Upper

106 100

91 187.3 144.3 267.9





#54

o-xylene

Concen: 0.100 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

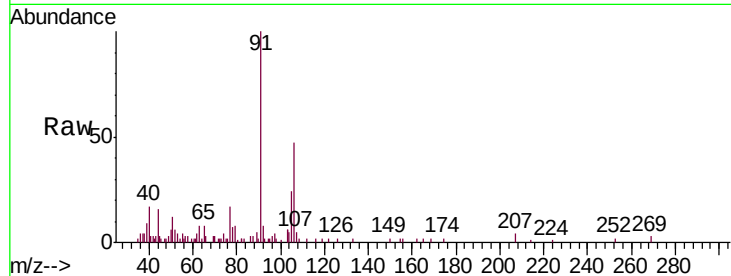
GAQD8

Tgt Ion:106 Resp: 5418

Ion Ratio Lower Upper

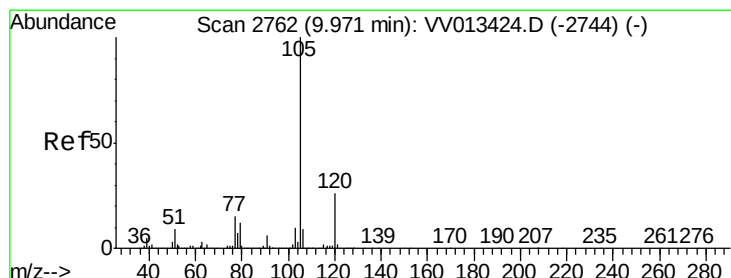
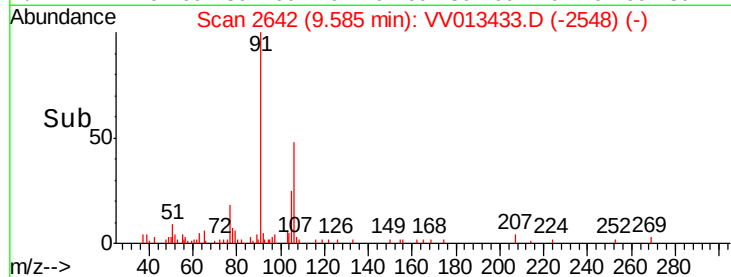
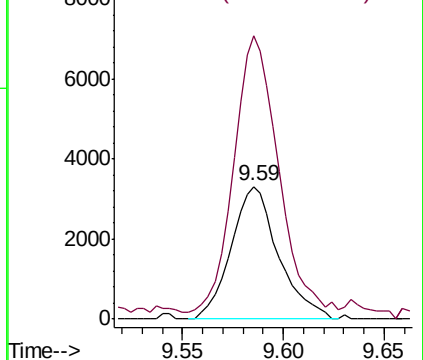
106 100

91 213.8 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.102 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

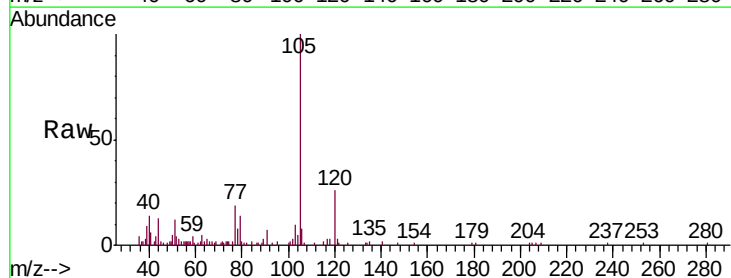
Tgt Ion:105 Resp: 14760

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

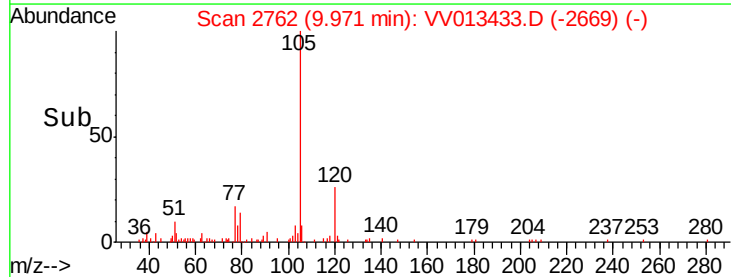
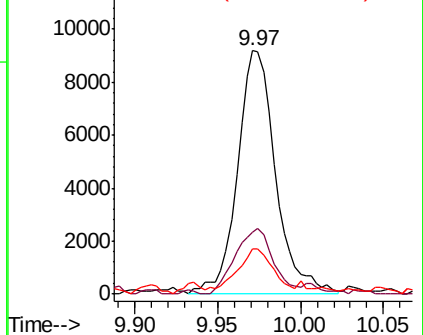
77 15.0 12.9 19.3

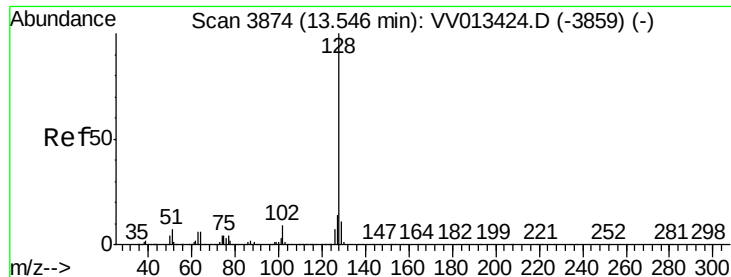


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#69

Naphthalene

Concen: 0.417 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

GAQD8

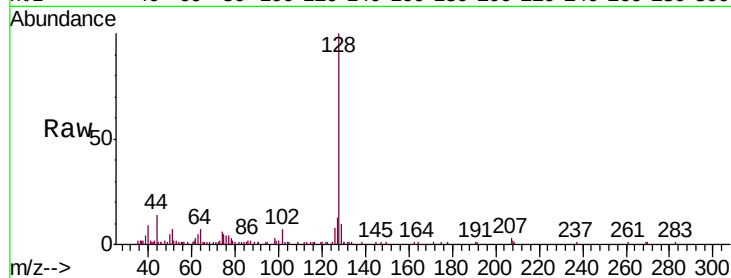
Tgt Ion:128 Resp: 24032

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

127 12.6 10.6 16.0



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

