

Data File : VV013411.D
Acq On : 29 Oct 2019 22:18
Operator : SY/MD
Sample : K5597-12
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE1

Quant Time: Oct 30 02:56:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	360526	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	382820	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	199383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151067	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.58	69	131872	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	201680	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.96	46	418989	53.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.44%
24) Chloroform-d	4.40	84	317919	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	168120	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	663506	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	208645	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	557649	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	69533	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	248482	50.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	139798	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	209935	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2214	0.077	ug/L #	21
13) Acetone	2.23	43	6076	1.594	ug/L	79
14) Carbon disulfide	2.32	76	14883	0.179	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	5694	0.155	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	29350	0.793	ug/L #	95
27) 1,2-Dichloroethane	5.09	62	4536	0.115	ug/L	99
30) Cyclohexane	4.73	56	6751	0.113	ug/L #	93
33) Benzene	5.15	78	80955	0.566	ug/L	100
34) Trichloroethene	5.96	95	23924	0.609	ug/L	98
35) Methylcyclohexane	6.17	83	6066	0.104	ug/L	89
37) 1,2-Dichloropropane	6.11	63	22878	0.633	ug/L #	90
42) Toluene	7.43	91	17405	0.117	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	3578	0.093	ug/L	85
47) Tetrachloroethene	8.02	164	80609	2.423	ug/L	97
48) 2-Hexanone	8.18	43	24508	1.702	ug/L #	78
49) Dibromochloromethane	8.02	129	66485	2.232	ug/L #	11
53) m,p-xylene	9.18	106	4668	0.080	ug/L	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Quantitation Report (Not Reviewed)

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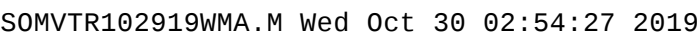
Instrument :
MSVOA_V
ClientSampleId :
GAQE1

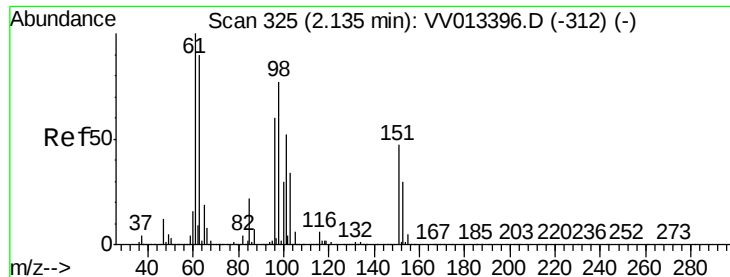
Quant Time: Oct 30 02:56:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	13872	0.243	ug/L #	95

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

Quant Time: Oct 30 02:56:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

GAQE1

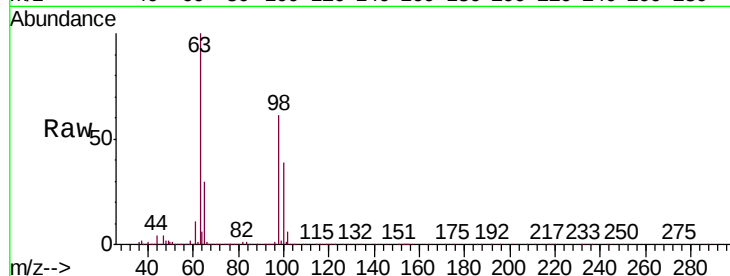
Tgt Ion: 101 Resp: 2214

Ion Ratio Lower Upper

101 100

85 9.0 33.0 49.4#

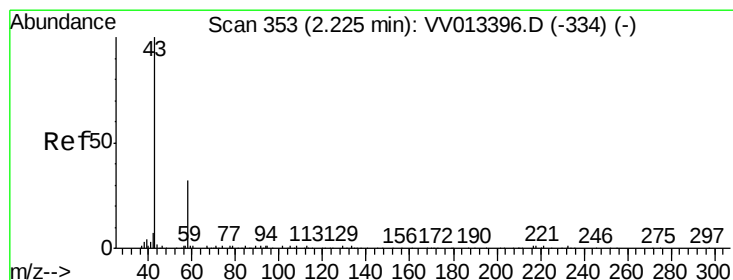
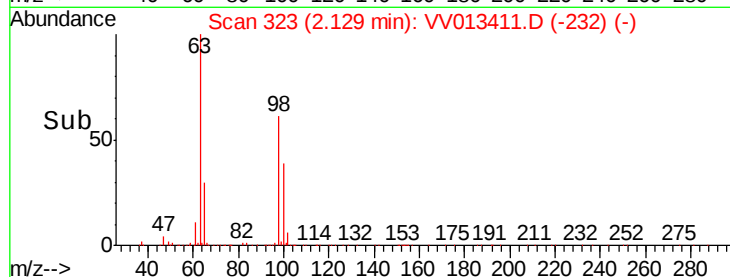
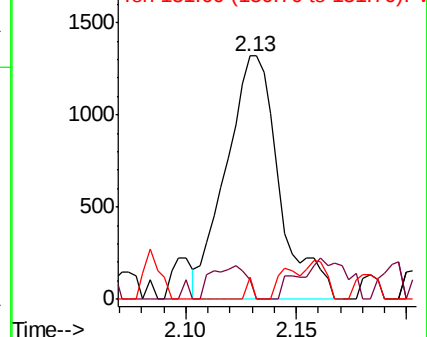
151 1.0 68.2 102.2#



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



#13

Acetone

Concen: 1.594 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV013411.D

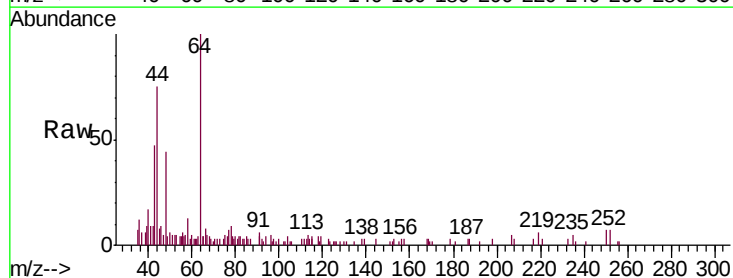
Acq: 29 Oct 2019 22:18

Tgt Ion: 43 Resp: 6076

Ion Ratio Lower Upper

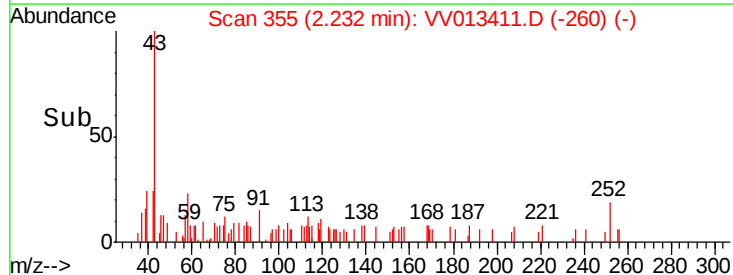
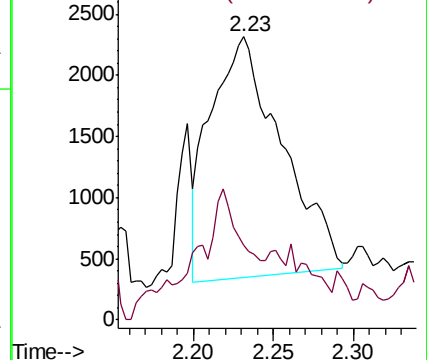
43 100

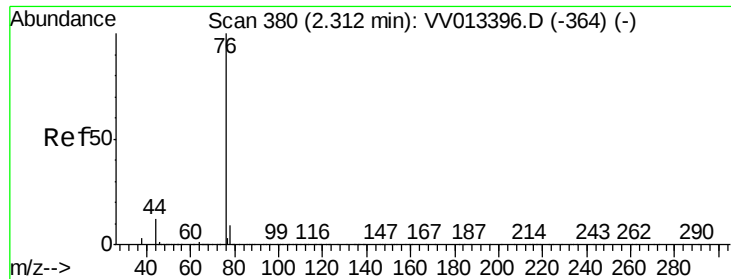
58 18.3 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.179 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

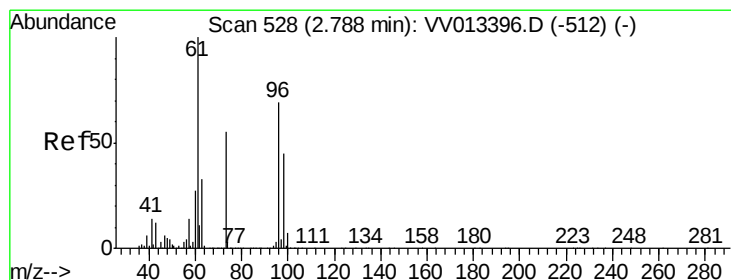
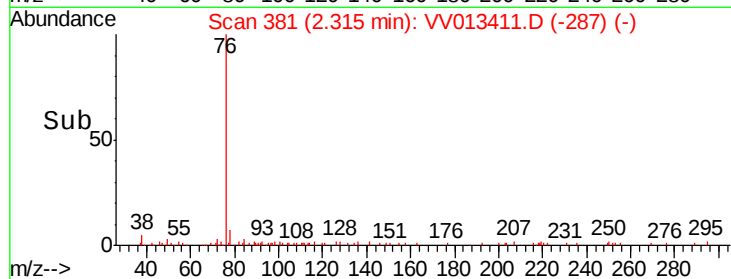
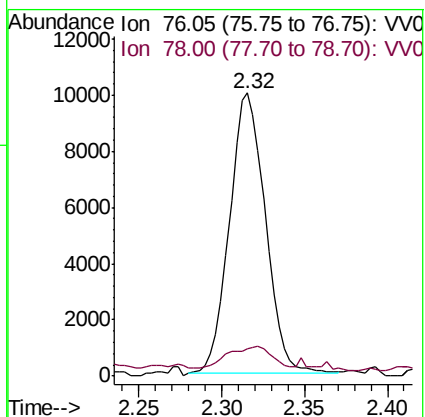
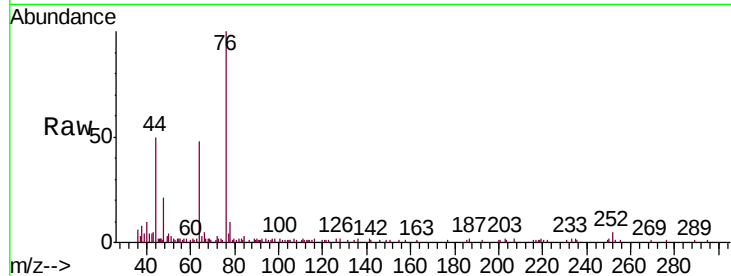
GAQE1

Tgt Ion: 76 Resp: 14883

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



#18

trans-1,2-Dichloroethene

Concen: 0.155 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

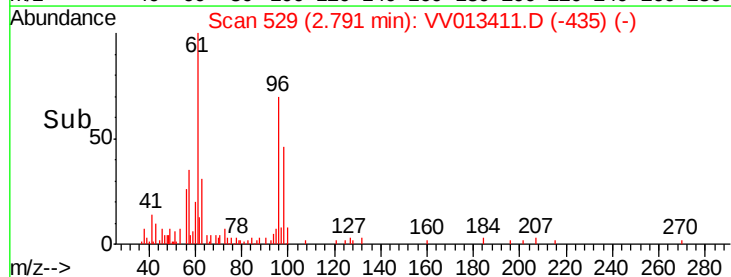
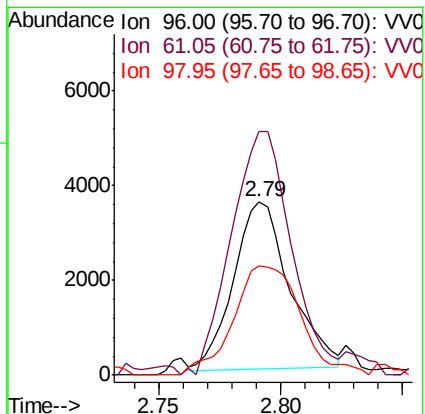
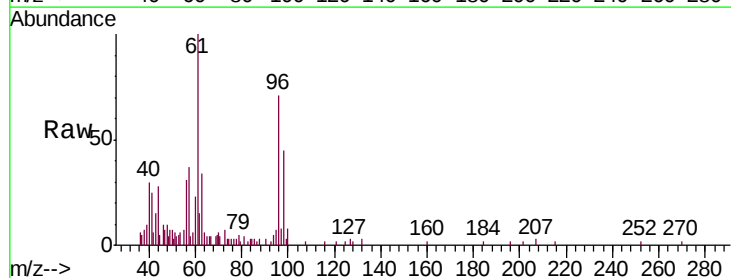
Tgt Ion: 96 Resp: 5694

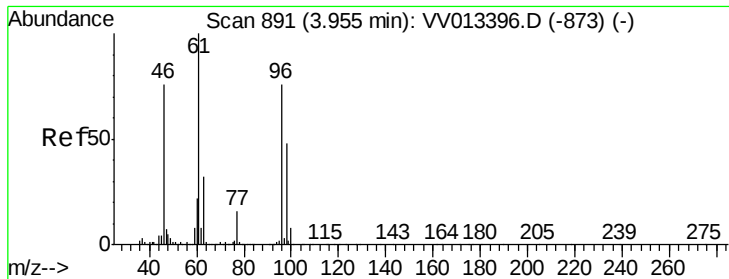
Ion Ratio Lower Upper

96 100

61 140.0 100.1 185.9

98 63.1 44.2 82.0



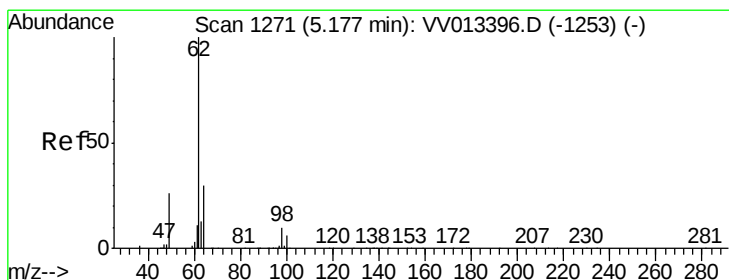
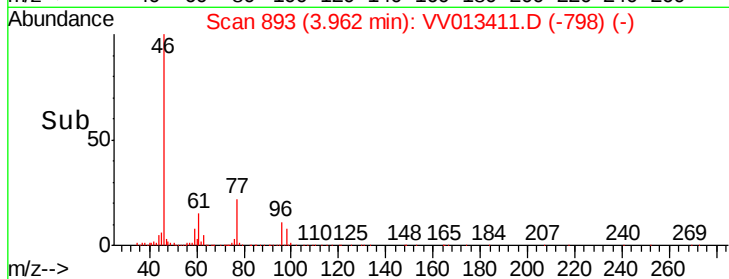
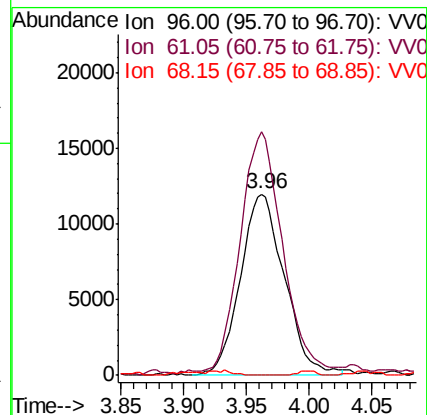
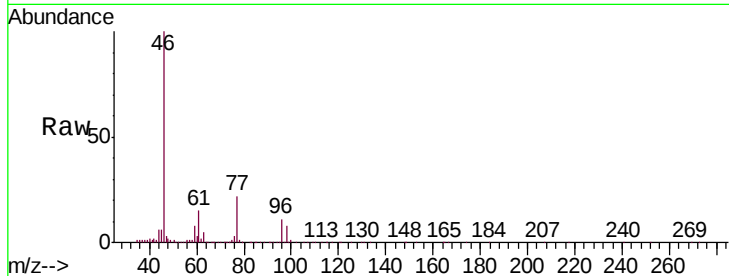


#22

cis-1,2-Dichloroethene
 Concen: 0.793 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

Instrument :
 MSVOA_V
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 GAQE1

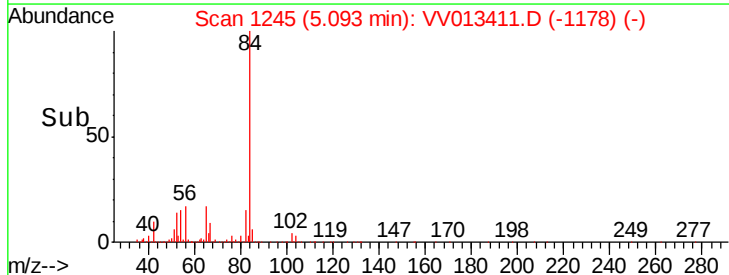
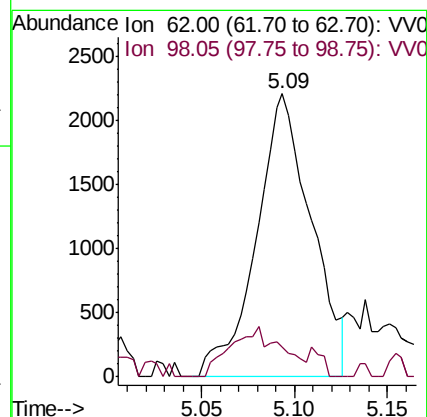
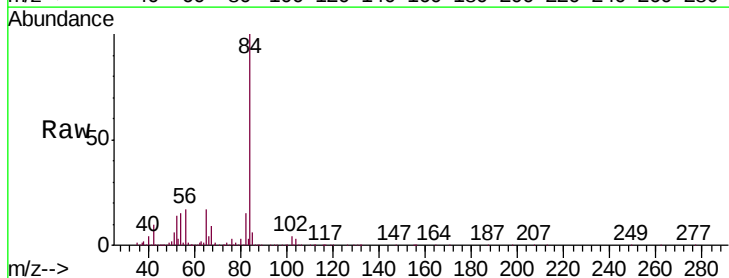
Tgt Ion: 96 Resp: 29350
 Ion Ratio Lower Upper
 96 100
 61 134.2 89.9 167.0
 68 0.0 0.1 0.3#

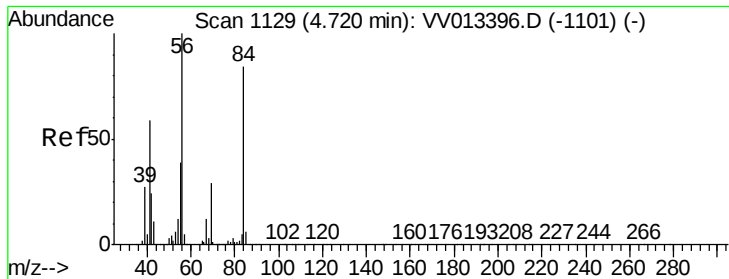


#27

1,2-Dichloroethane
 Concen: 0.115 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

Tgt Ion: 62 Resp: 4536
 Ion Ratio Lower Upper
 62 100
 98 10.5 8.6 12.8

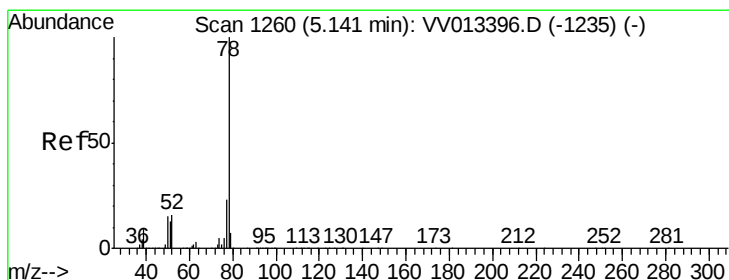
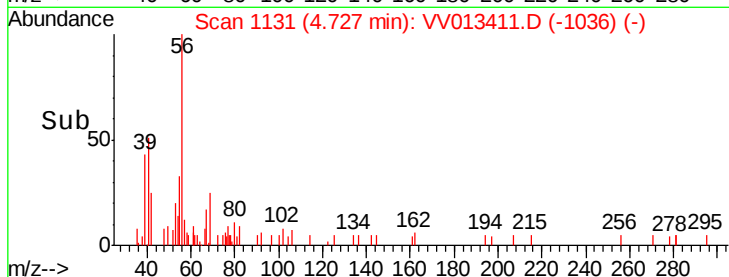
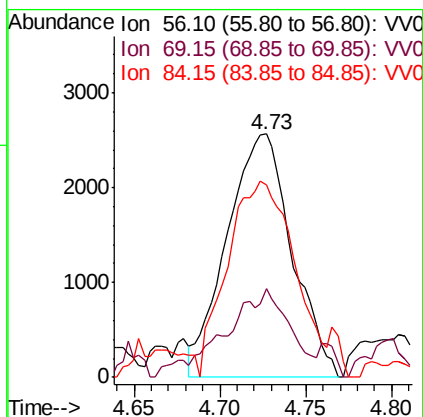
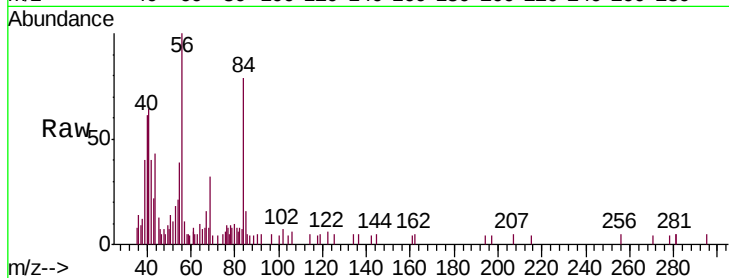




#30
Cyclohexane
Concen: 0.113 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VV013411.D
Acq: 29 Oct 2019 22:18

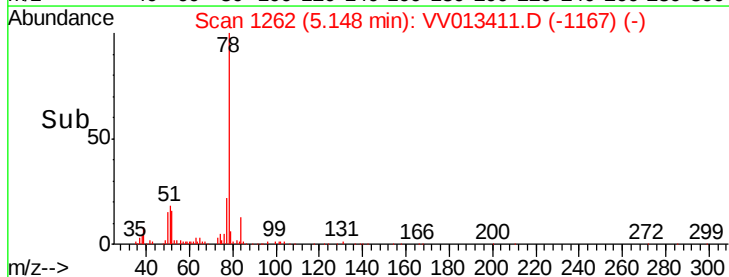
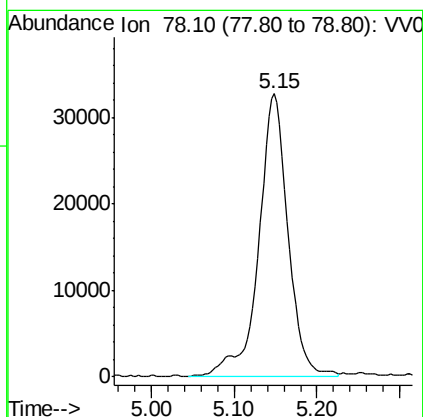
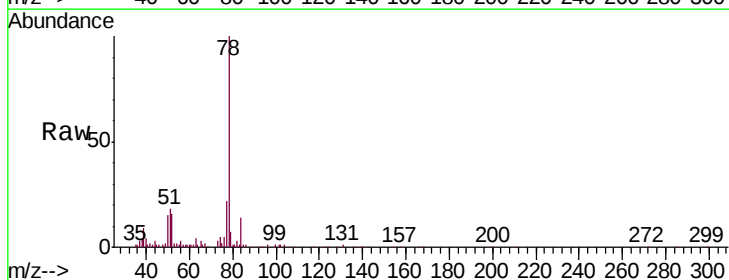
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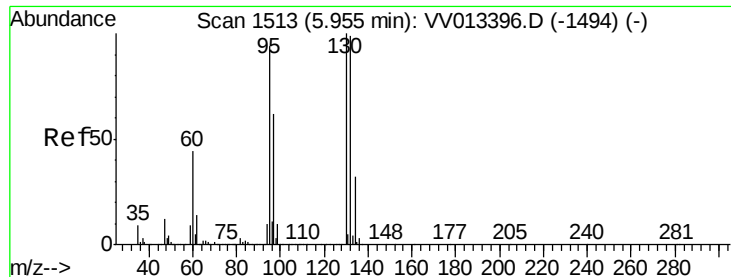
Tgt Ion: 56 Resp: 6751
Ion Ratio Lower Upper
56 100
69 16.0 22.7 34.1#
84 83.3 65.5 98.3



#33
Benzene
Concen: 0.566 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013411.D
Acq: 29 Oct 2019 22:18

Tgt Ion: 78 Resp: 80955

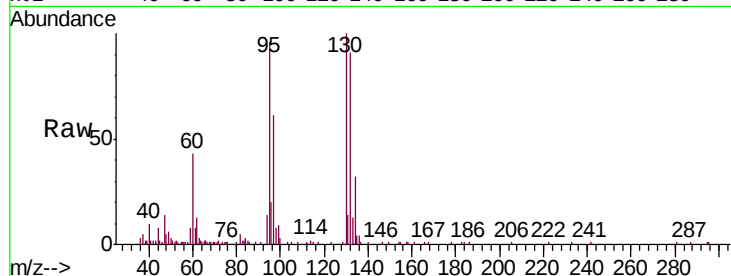




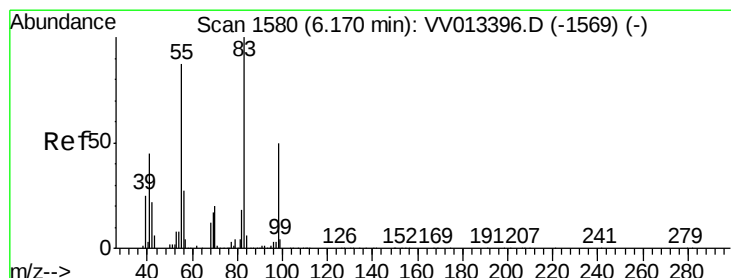
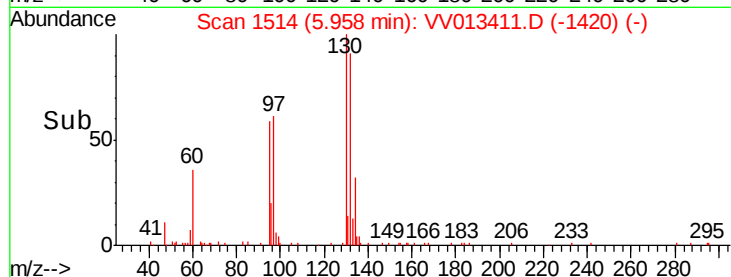
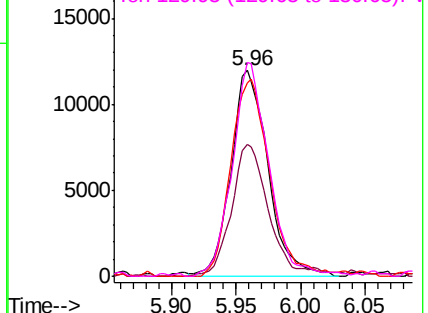
#34
 Trichloroethene
 Concen: 0.609 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 95 Resp: 23924
 Ion Ratio Lower Upper
 95 100
 97 63.7 43.9 81.5
 132 94.0 68.7 127.7
 130 103.7 72.1 133.9

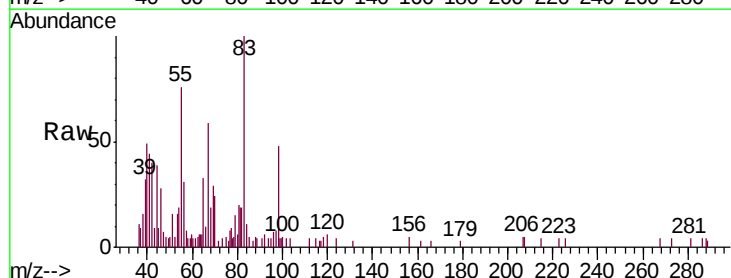


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

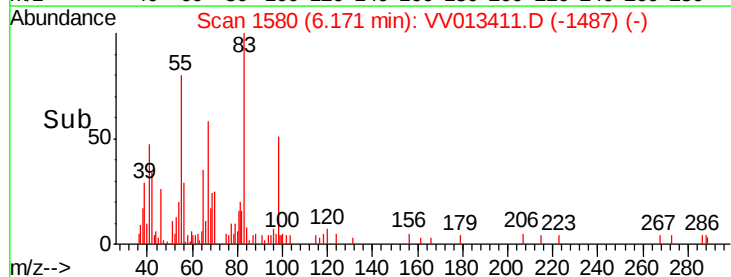
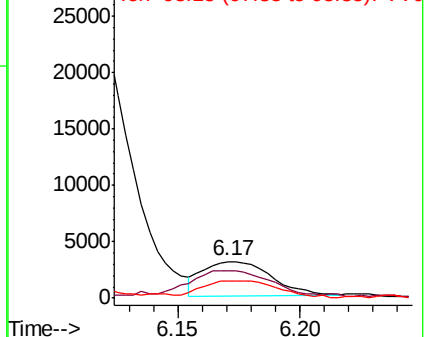


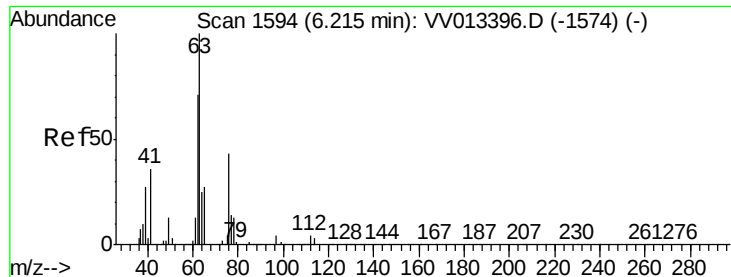
#35
 Methylcyclohexane
 Concen: 0.104 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

Tgt Ion: 83 Resp: 6066
 Ion Ratio Lower Upper
 83 100
 55 91.4 66.0 99.0
 98 55.6 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

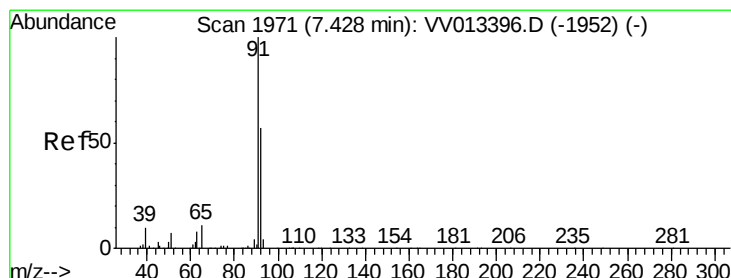
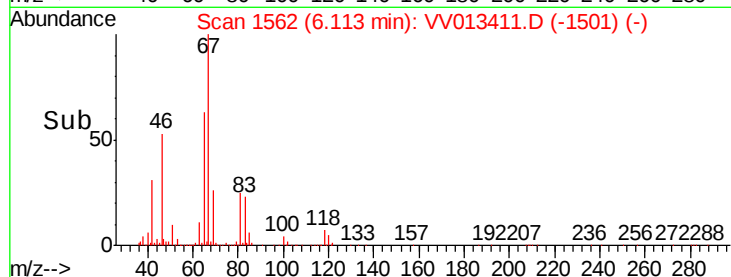
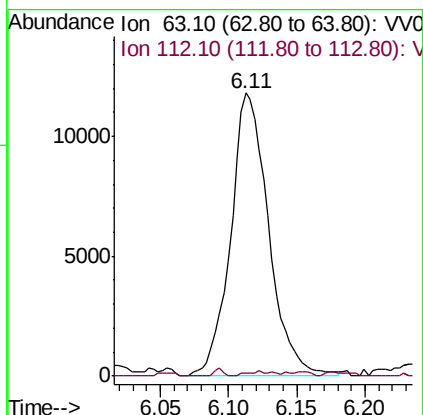
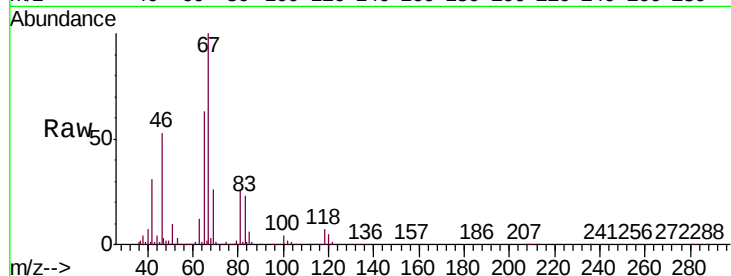




#37
 1,2-Dichloropropane
 Concen: 0.633 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

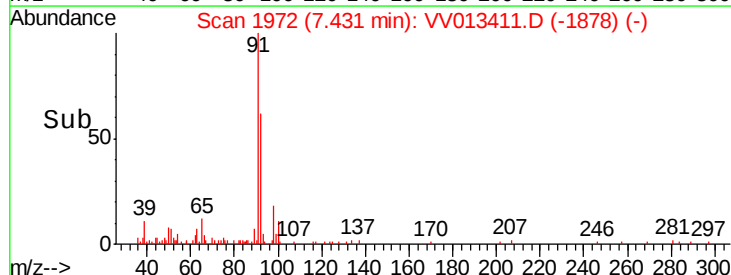
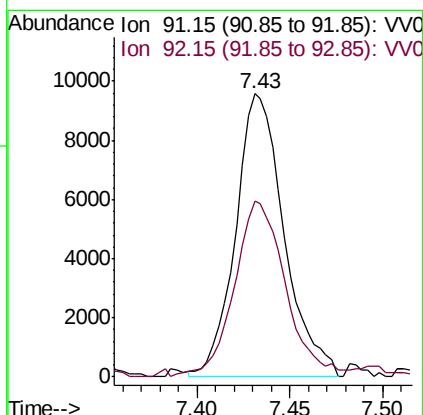
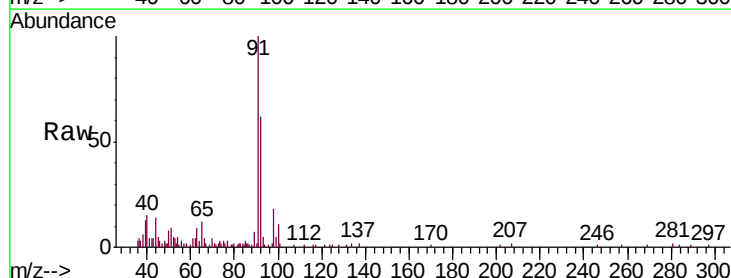
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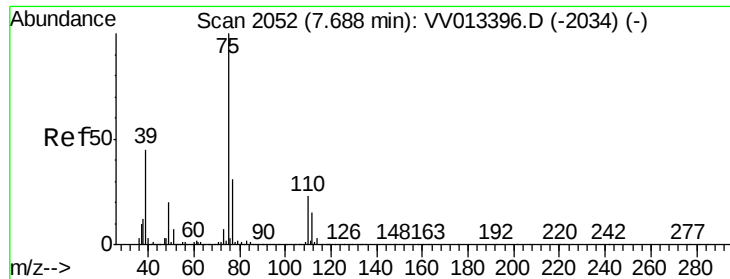
Tgt Ion: 63 Resp: 22878
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.6 5.4#



#42
 Toluene
 Concen: 0.117 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013411.D
 Acq: 29 Oct 2019 22:18

Tgt Ion: 91 Resp: 17405
 Ion Ratio Lower Upper
 91 100
 92 61.9 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

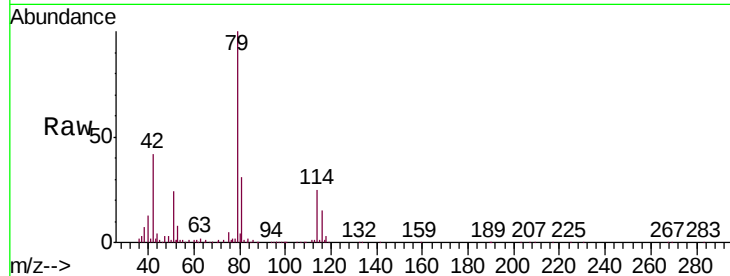
GAQE1

Tgt Ion: 75 Resp: 3578

Ion Ratio Lower Upper

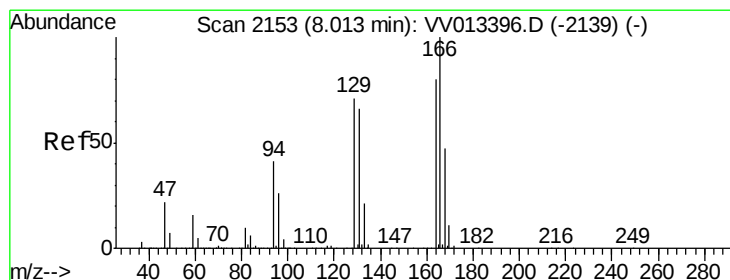
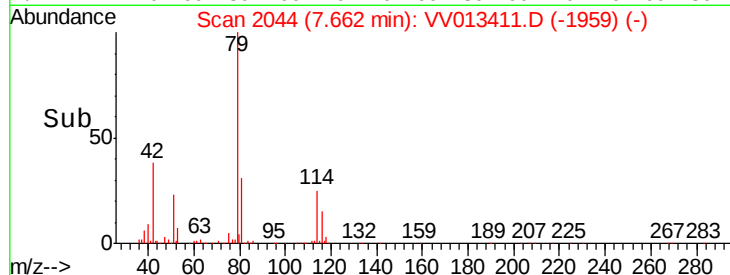
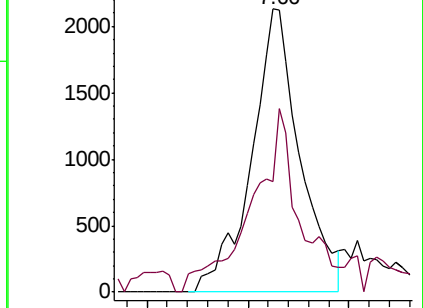
75 100

77 39.1 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV013396.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013396.D (-2034) (-)



#47

Tetrachloroethene

Concen: 2.423 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

Tgt Ion: 164 Resp: 80609

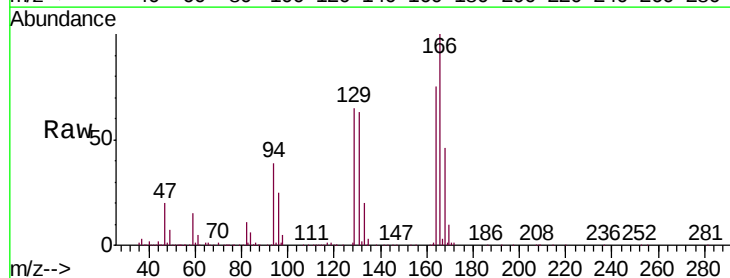
Ion Ratio Lower Upper

164 100

129 87.2 63.4 117.8

131 84.5 60.3 112.1

166 133.6 90.8 168.6

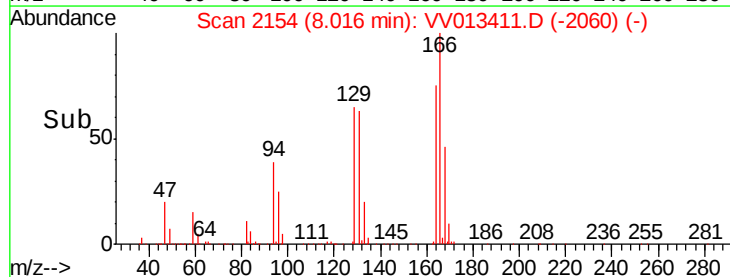
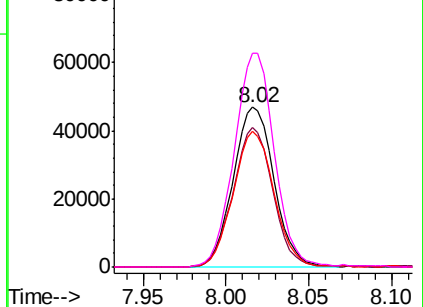


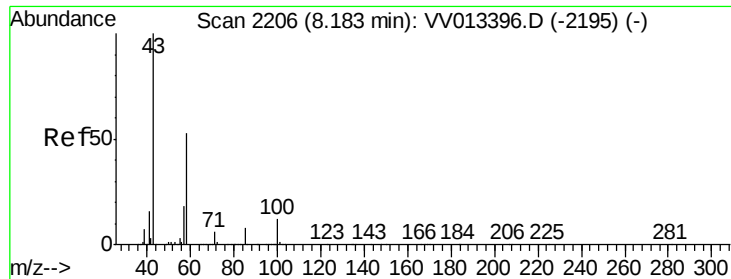
Abundance Ion 163.90 (163.60 to 164.60): VV013396.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013396.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013396.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013396.D (-2139) (-)

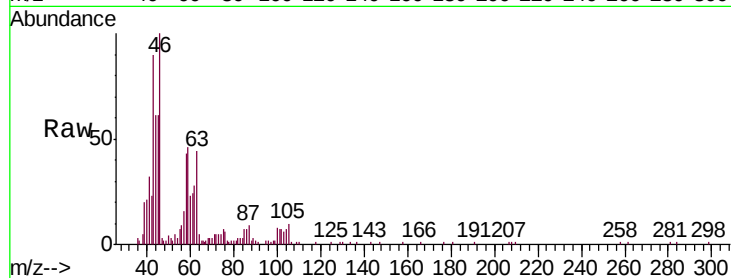




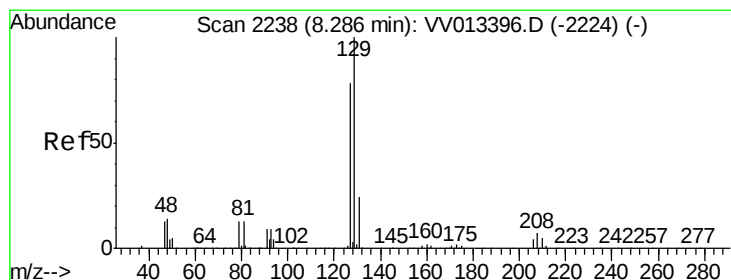
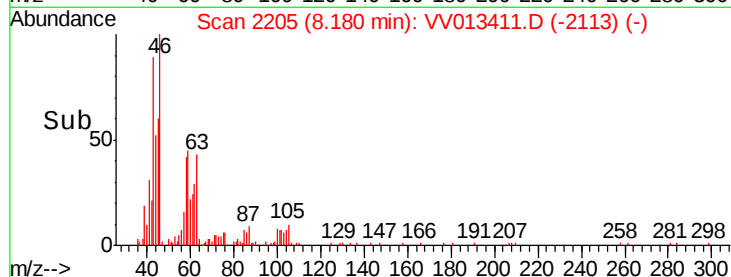
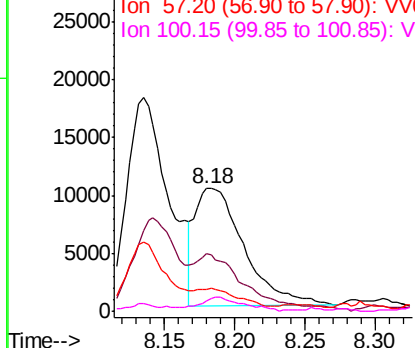
#48
2-Hexanone
Concen: 1.702 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013411.D
Acq: 29 Oct 2019 22:18

Instrument :
MSVOA_V
ClientSampleId :
GAQE1

Tgt Ion: 43 Resp: 24508
Ion Ratio Lower Upper
43 100
58 40.4 43.5 65.3#
57 0.0 14.3 21.5#
100 10.6 9.3 13.9

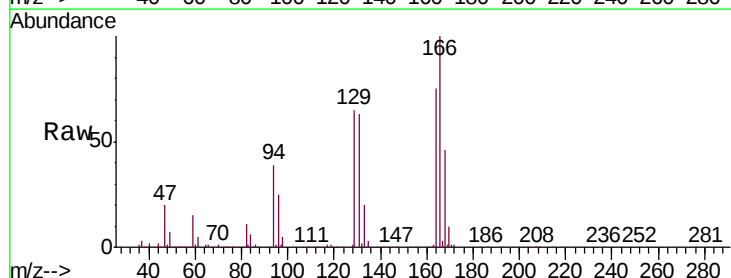


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

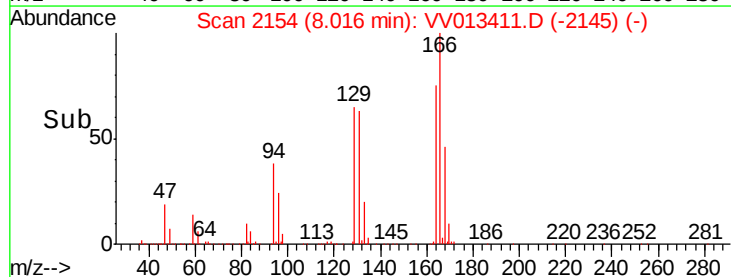
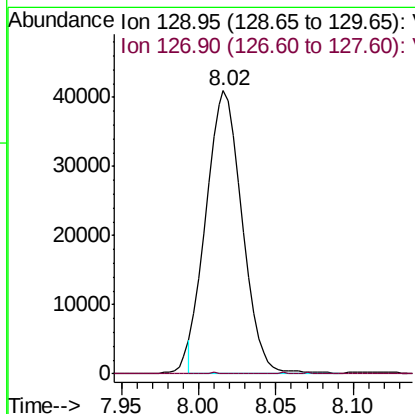


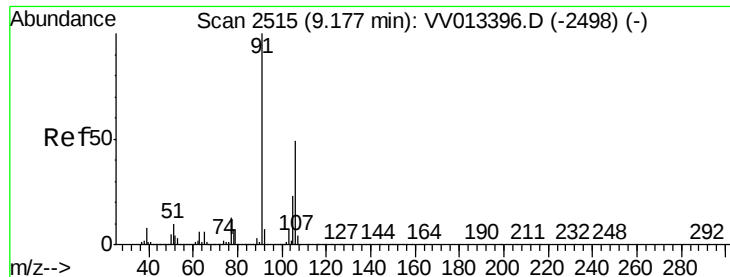
#49
Dibromochloromethane
Concen: 2.232 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013411.D
Acq: 29 Oct 2019 22:18

Tgt Ion: 129 Resp: 66485
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#53

m,p-xylene

Concen: 0.080 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

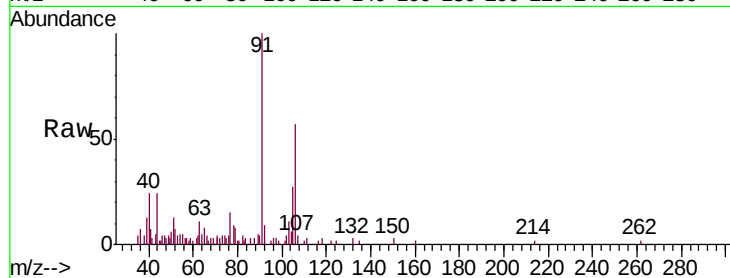
GAQE1

Tgt Ion:106 Resp: 4668

Ion Ratio Lower Upper

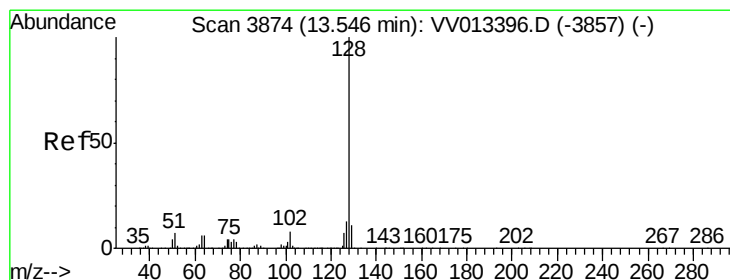
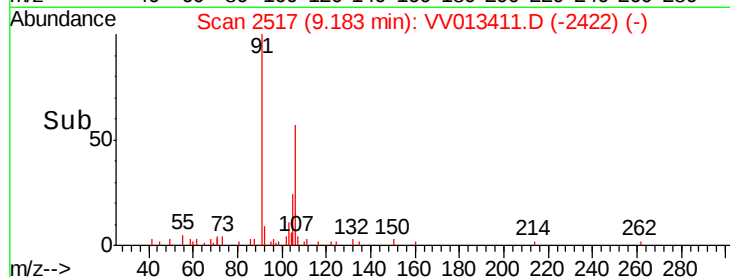
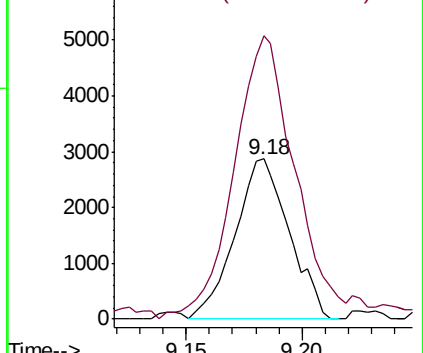
106 100

91 176.6 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.243 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013411.D

Acq: 29 Oct 2019 22:18

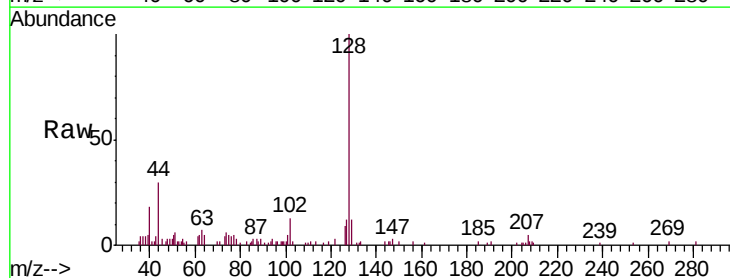
Tgt Ion:128 Resp: 13872

Ion Ratio Lower Upper

128 100

129 14.7 8.7 13.1#

127 13.0 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

