

Data File : VV013410.D
Acq On : 29 Oct 2019 21:54
Operator : SY/MD
Sample : K5597-11
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE0

Quant Time: Oct 30 02:56:16 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	356272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384452	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	205261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	148393	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	128059	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.13	63	194782	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.96	46	408652	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	4.40	84	321279	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.08	65	166034	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	658370	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	202200	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	561702	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.66	79	66748	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.14	63	250969	50.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	137957	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	213835	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

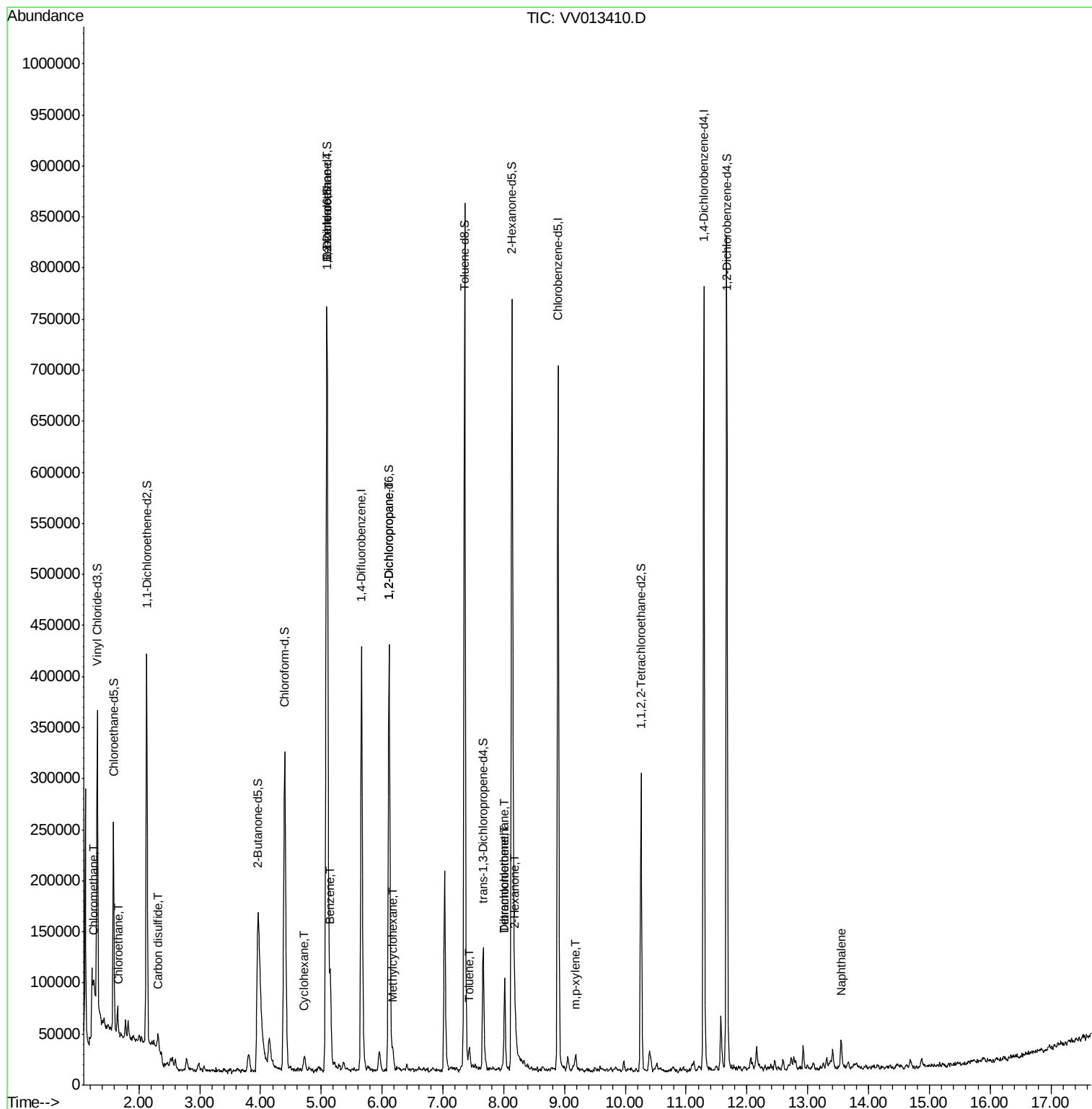
					Qvalue
3) Chloromethane	1.25	50	2892	0.072 ug/L #	79
8) Chloroethane	1.67	64	2608	0.117 ug/L #	51
14) Carbon disulfide	2.32	76	13736	0.167 ug/L #	94
27) 1,2-Dichloroethane	5.09	62	3646	0.094 ug/L	100
30) Cyclohexane	4.72	56	7633	0.128 ug/L	96
33) Benzene	5.15	78	94140	0.655 ug/L	100
35) Methylcyclohexane	6.17	83	6481	0.110 ug/L #	77
37) 1,2-Dichloropropane	6.11	63	21876	0.602 ug/L #	88
42) Toluene	7.43	91	14361	0.096 ug/L #	76
47) Tetrachloroethene	8.02	164	21268	0.636 ug/L	94
48) 2-Hexanone	8.19	43	25495	1.763 ug/L #	75
49) Dibromochloromethane	8.02	129	18314	0.612 ug/L #	11
53) m,p-xylene	9.18	106	4907	0.084 ug/L	96
69) Naphthalene	13.55	128	22215	0.378 ug/L	95

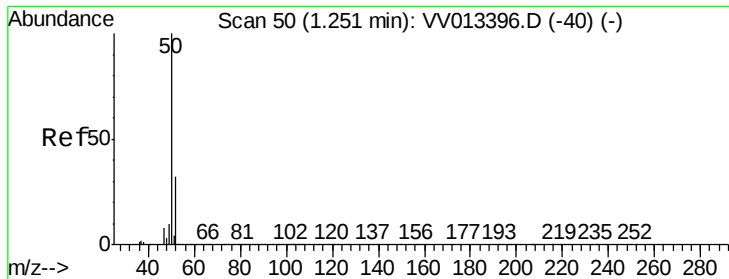
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.072 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

Instrument :

MSVOA_V

ClientSampleId :

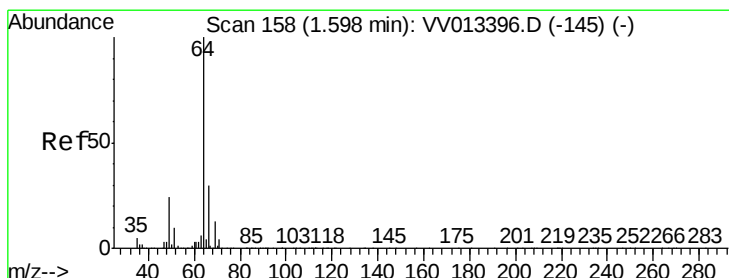
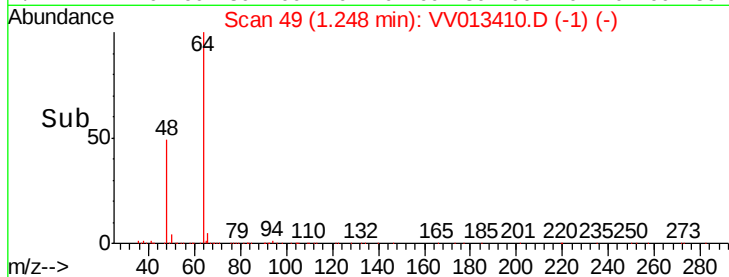
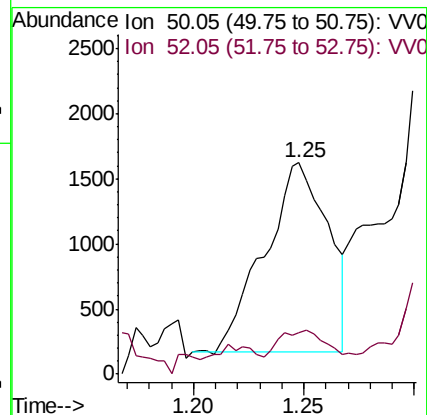
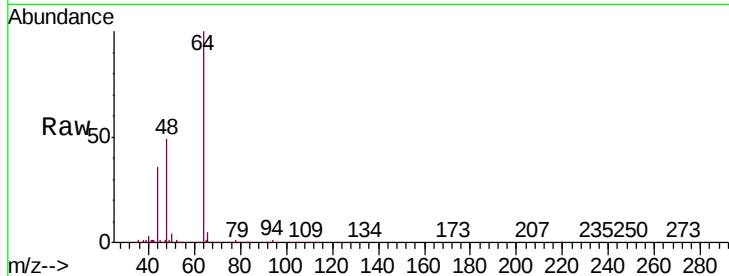
GAQE0

Tgt Ion: 50 Resp: 2892

Ion Ratio Lower Upper

50 100

52 19.5 21.9 40.7#



#8

Chloroethane

Concen: 0.117 ug/L

RT: 1.67 min Scan# 181

Delta R.T. 0.07 min

Lab File: VV013410.D

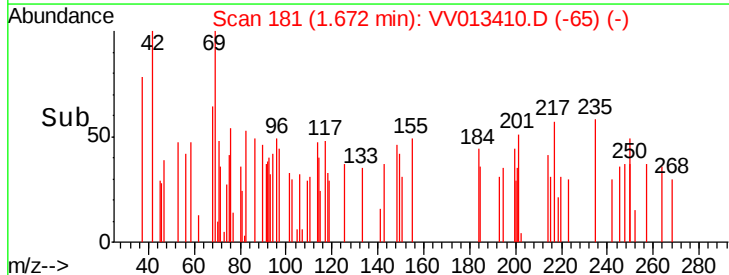
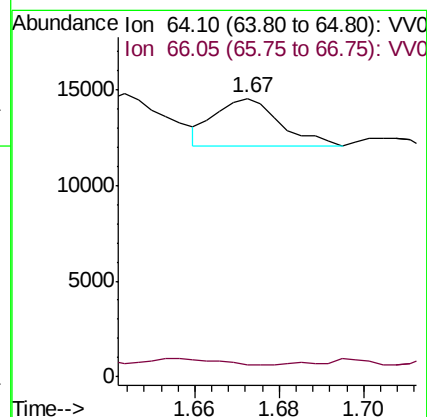
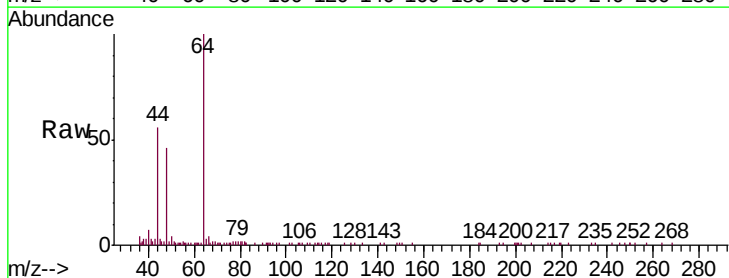
Acq: 29 Oct 2019 21:54

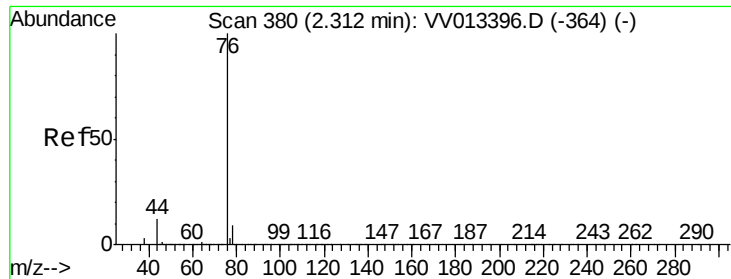
Tgt Ion: 64 Resp: 2608

Ion Ratio Lower Upper

64 100

66 4.3 22.0 41.0#





#14

Carbon disulfide

Concen: 0.167 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

Instrument :

MSVOA_V

ClientSampleId :

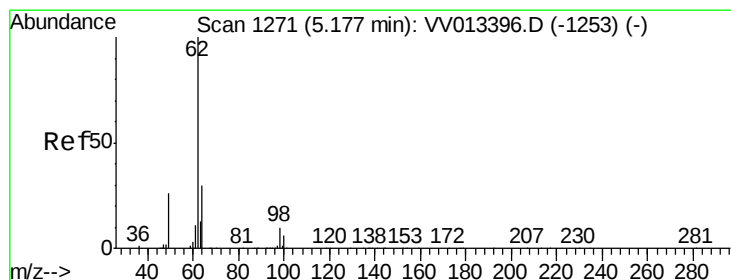
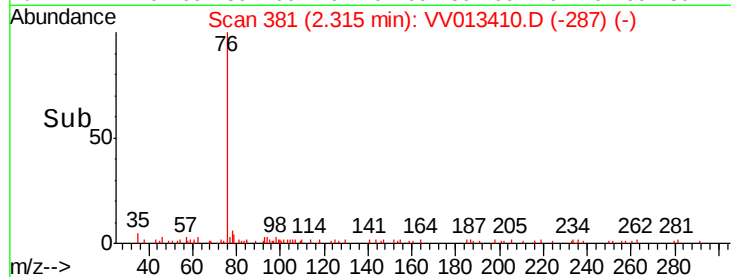
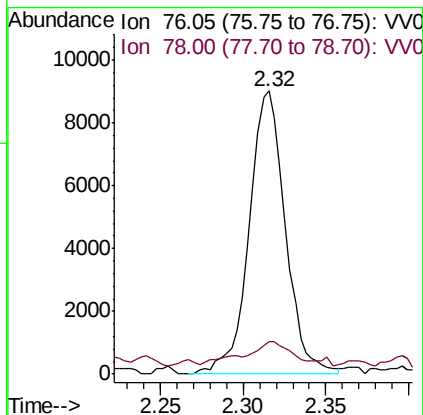
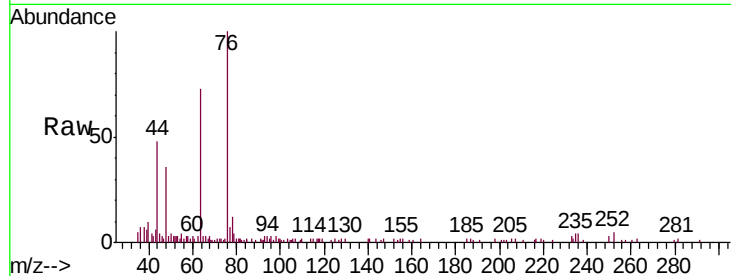
GAQE0

Tgt Ion: 76 Resp: 13736

Ion Ratio Lower Upper

76 100

78 11.7 7.5 11.3#



#27

1,2-Dichloroethane

Concen: 0.094 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV013410.D

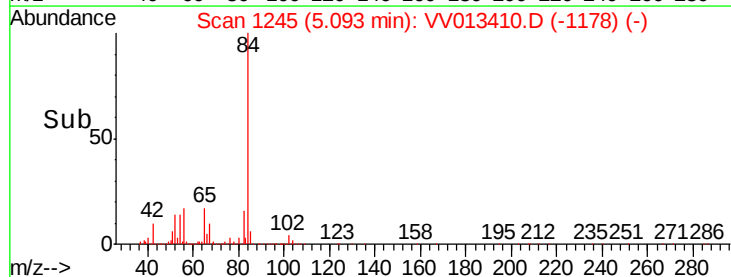
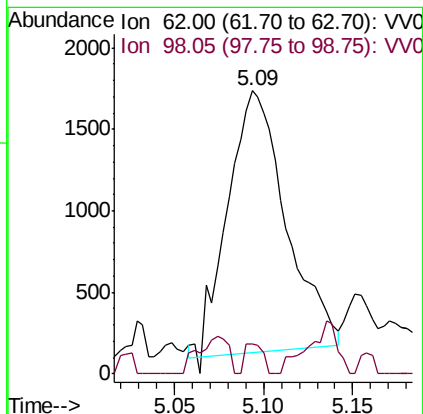
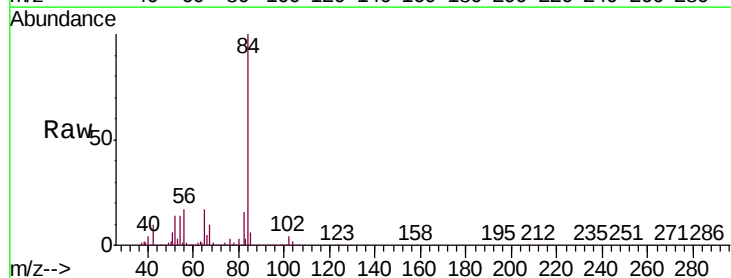
Acq: 29 Oct 2019 21:54

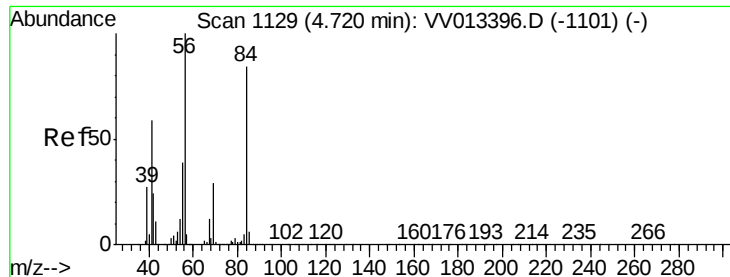
Tgt Ion: 62 Resp: 3646

Ion Ratio Lower Upper

62 100

98 10.7 8.6 12.8

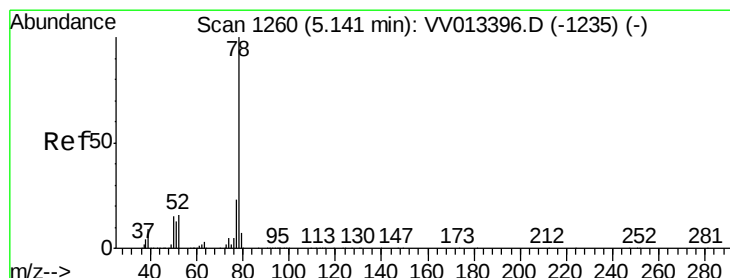
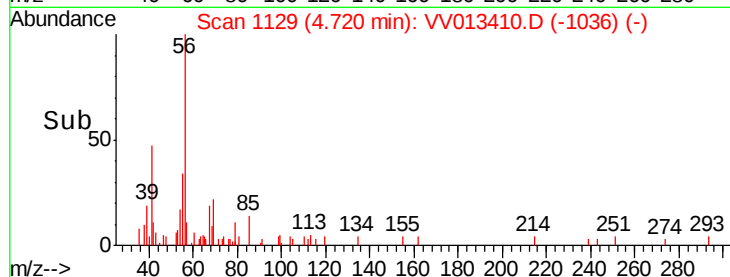
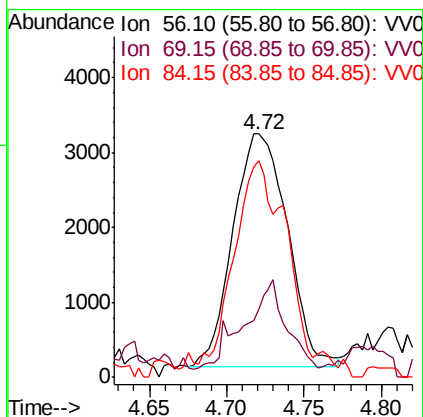
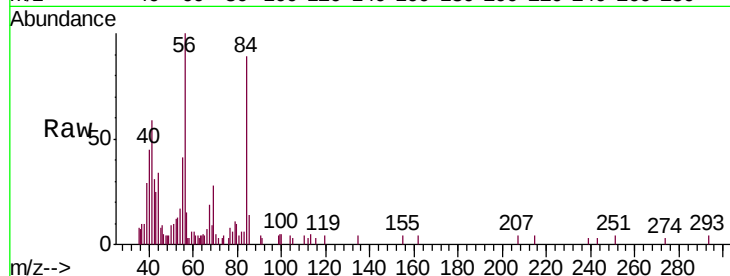




#30
Cyclohexane
Concen: 0.128 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

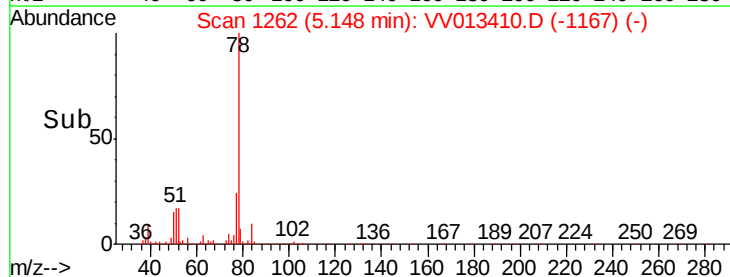
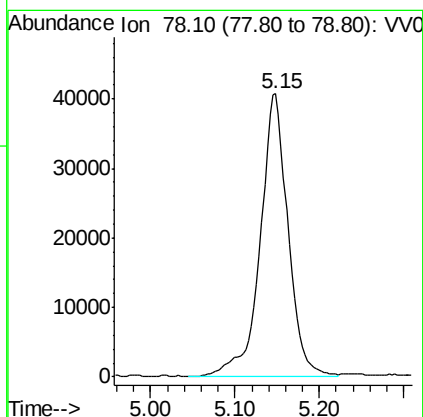
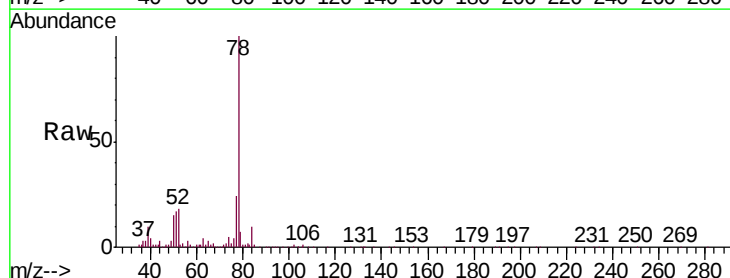
Instrument :
MSVOA_V
ClientSampleId :
GAQE0

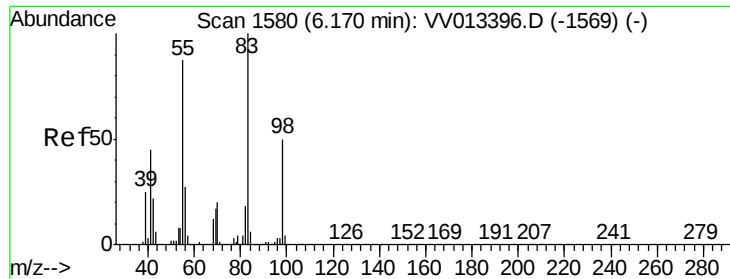
Tgt Ion: 56 Resp: 7633
Ion Ratio Lower Upper
56 100
69 25.8 22.7 34.1
84 78.8 65.5 98.3



#33
Benzene
Concen: 0.655 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

Tgt Ion: 78 Resp: 94140

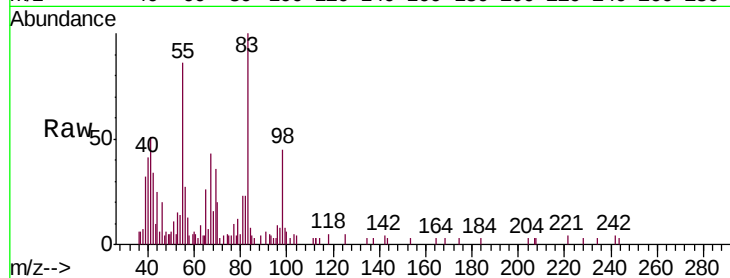




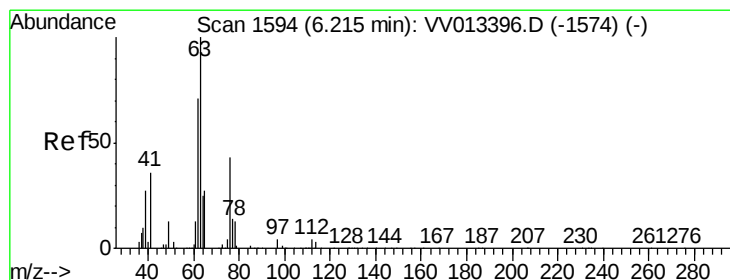
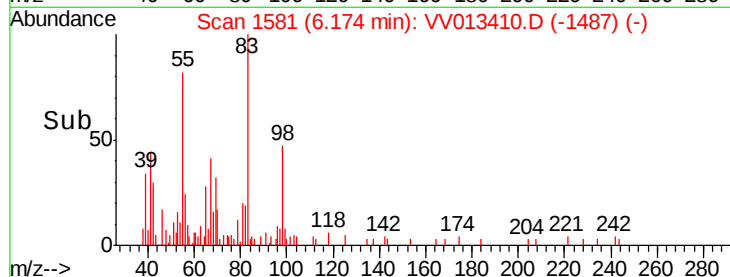
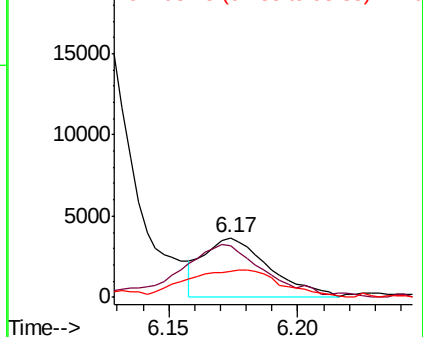
#35
Methylcyclohexane
Concen: 0.110 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

Instrument :
MSVOA_V
ClientSampleId :
GAQE0

Tgt Ion: 83 Resp: 6481
Ion Ratio Lower Upper
83 100
55 100.8 66.0 99.0#
98 65.7 38.2 57.4#

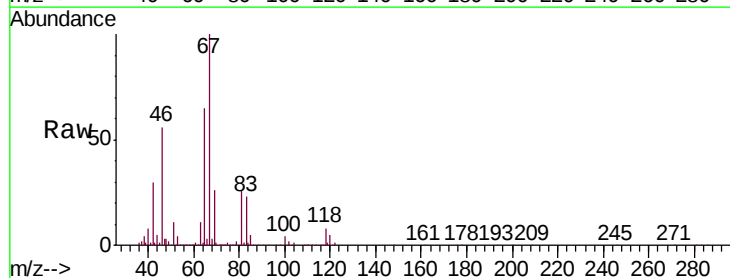


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

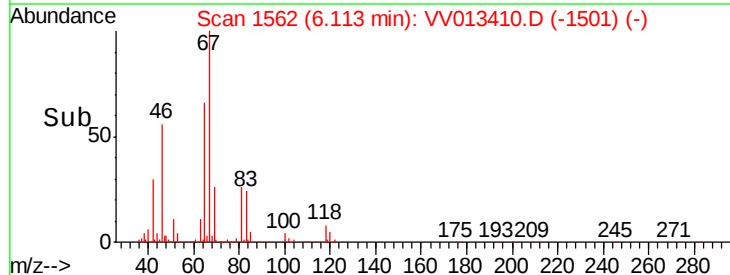
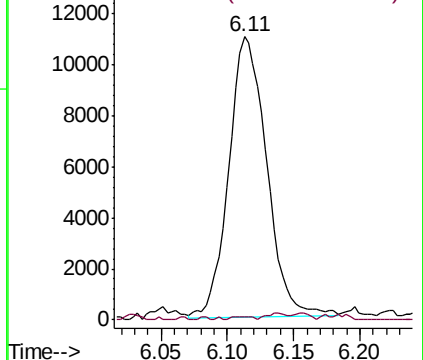


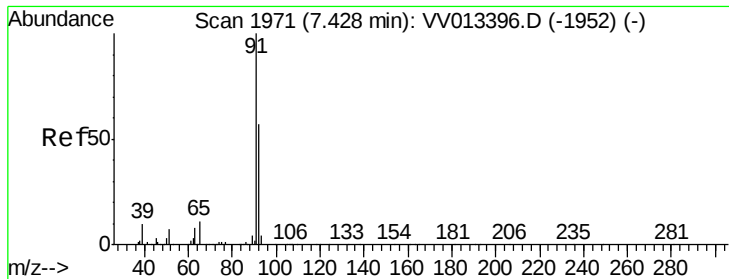
#37
1,2-Dichloropropane
Concen: 0.602 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

Tgt Ion: 63 Resp: 21876
Ion Ratio Lower Upper
63 100
112 0.6 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.096 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

Instrument :

MSVOA_V

ClientSampleId :

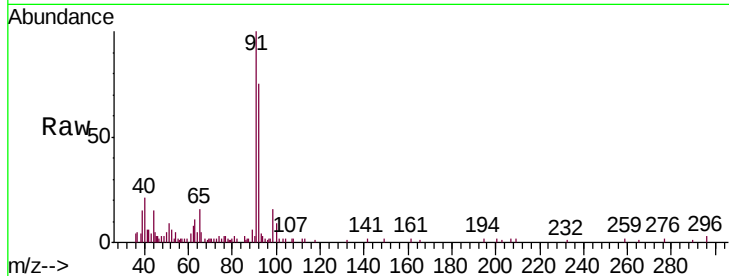
GAQE0

Tgt Ion: 91 Resp: 14361

Ion Ratio Lower Upper

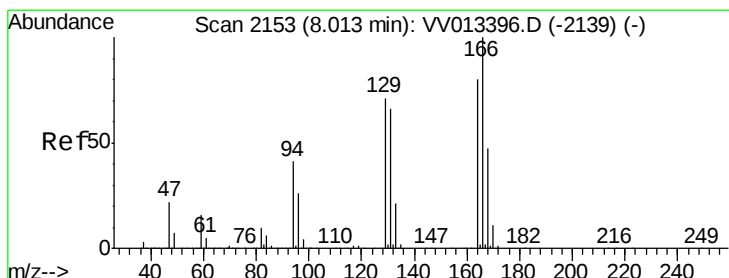
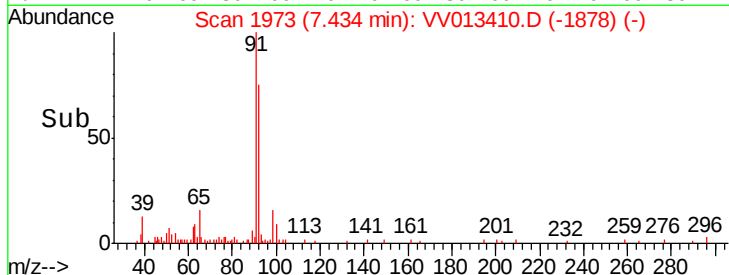
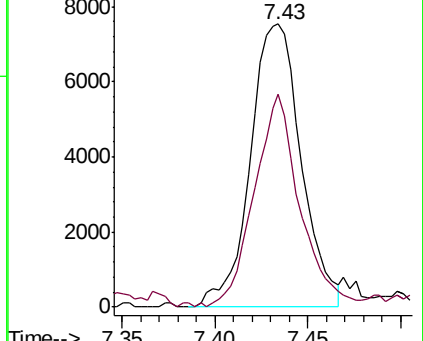
91 100

92 75.4 40.3 74.8#



Abundance Ion 91.15 (90.85 to 91.85): VV013396.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV013396.D (-1952) (-)



#47

Tetrachloroethene

Concen: 0.636 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

Tgt Ion: 164 Resp: 21268

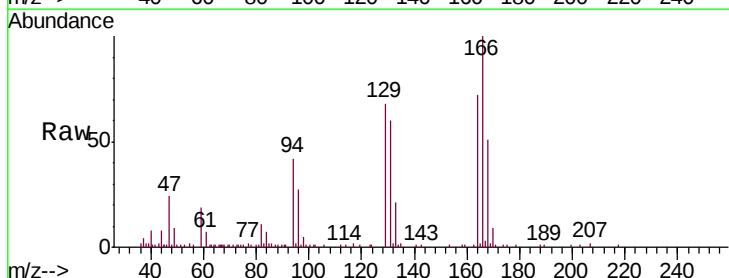
Ion Ratio Lower Upper

164 100

129 95.1 63.4 117.8

131 83.3 60.3 112.1

166 139.1 90.8 168.6

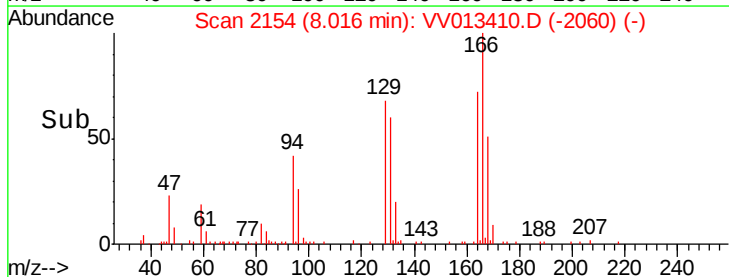
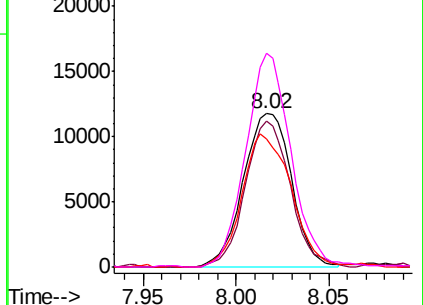


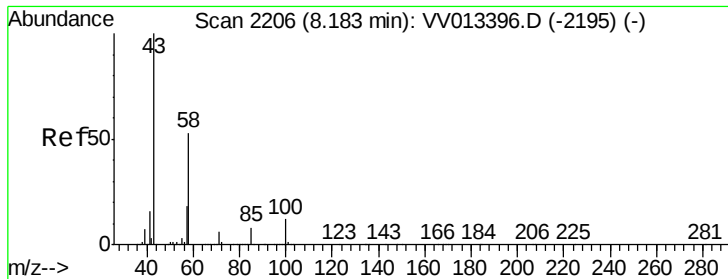
Abundance Ion 163.90 (163.60 to 164.60): VV013396.D (-2139) (-)

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) (-)

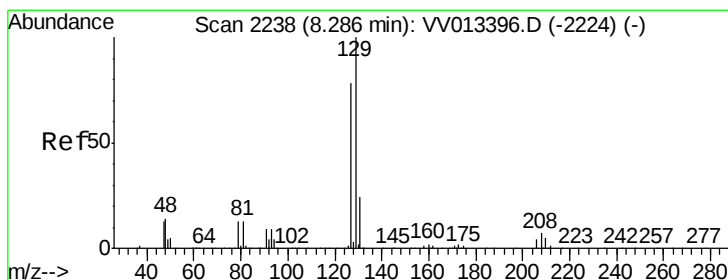
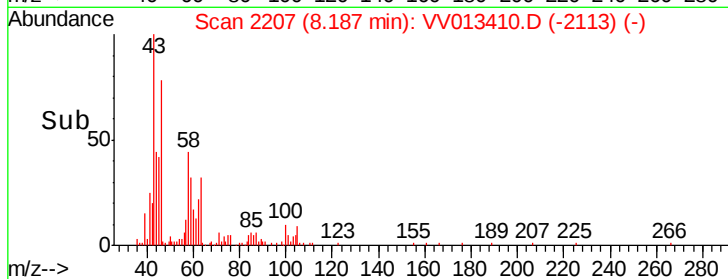
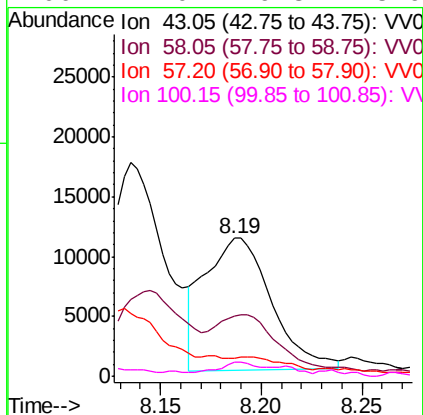
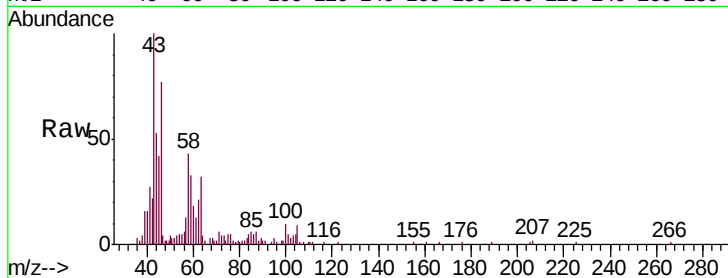




#48
2-Hexanone
Concen: 1.763 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

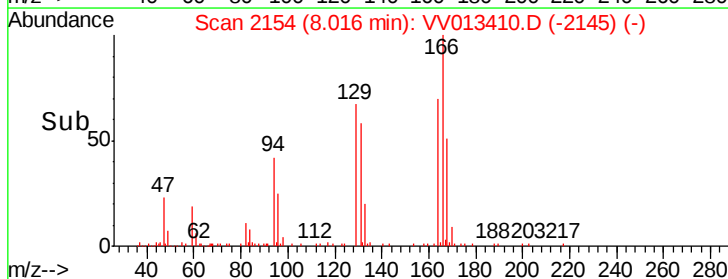
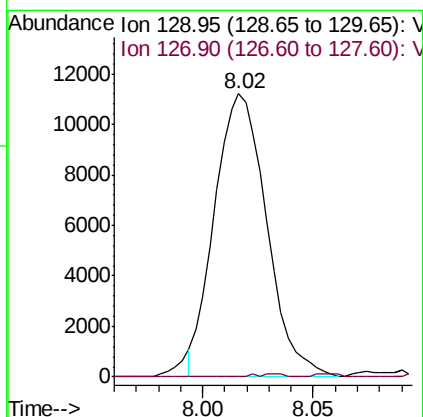
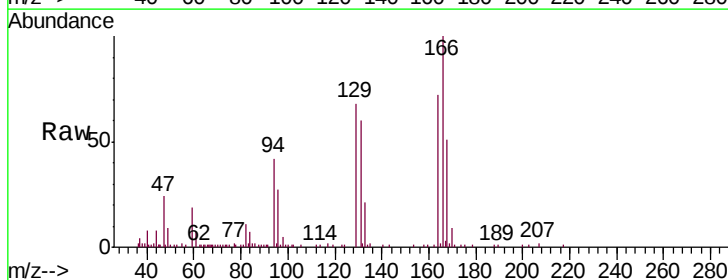
Instrument :
MSVOA_V
ClientSampled :
GAQE0

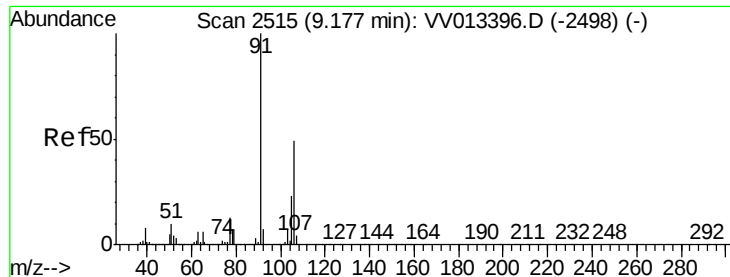
Tgt Ion:	43	Resp:	25495
Ion	Ratio	Lower	Upper
43	100		
58	39.3	43.5	65.3#
57	0.0	14.3	21.5#
100	4.0	9.3	13.9#



#49
Dibromochloromethane
Concen: 0.612 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013410.D
Acq: 29 Oct 2019 21:54

Tgt Ion:	129	Resp:	18314
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	100.0#





#53

m,p-xylene

Concen: 0.084 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

Instrument :

MSVOA_V

ClientSampleId :

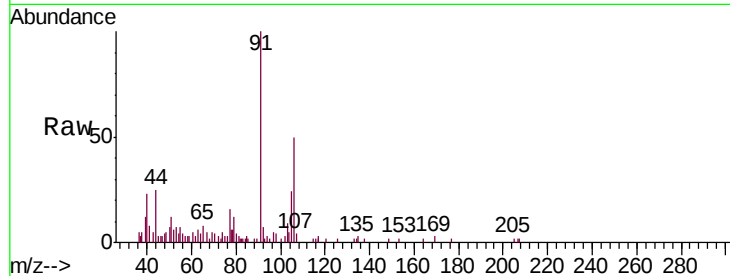
GAQE0

Tgt Ion:106 Resp: 4907

Ion Ratio Lower Upper

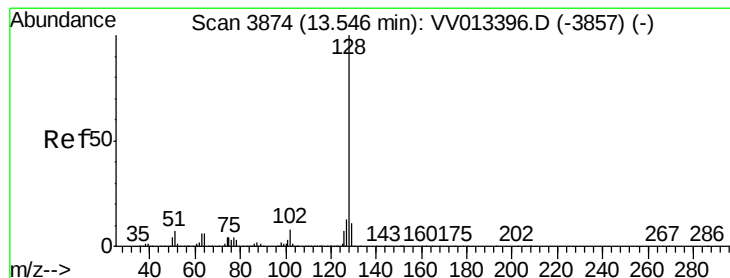
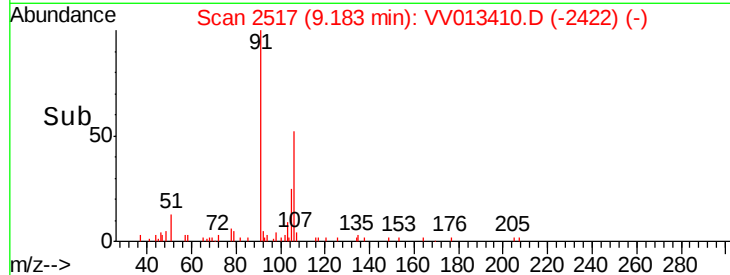
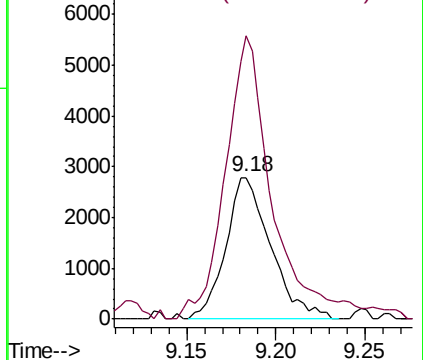
106 100

91 199.4 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.378 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013410.D

Acq: 29 Oct 2019 21:54

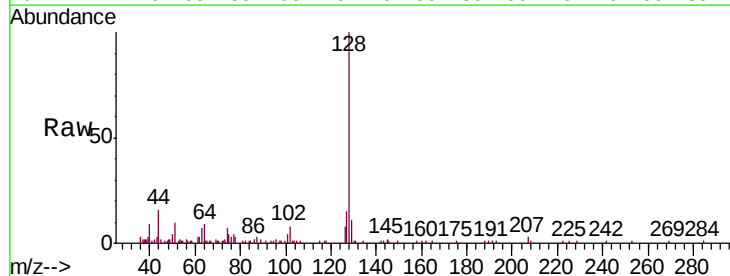
Tgt Ion:128 Resp: 22215

Ion Ratio Lower Upper

128 100

129 12.8 8.7 13.1

127 15.3 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

