

Data File : VV013412.D
Acq On : 29 Oct 2019 22:42
Operator : SY/MD
Sample : K5597-13
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE2

Quant Time: Oct 30 02:56:39 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	358753	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	375096	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	196162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146941	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	126145	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	194034	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	3.96	46	407762	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	4.40	84	318430	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	168240	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	649417	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	205515	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	552384	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.66	79	68509	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	242553	50.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	138011	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	208269	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2060	0.072 ug/L #	18
12) 1,1-Dichloroethene	2.13	96	2054	0.075 ug/L #	1
14) Carbon disulfide	2.32	76	13299	0.160 ug/L #	88
21) 2-Butanone	4.14	43	106408	12.879 ug/L #	53
33) Benzene	5.14	78	49445	0.353 ug/L	100
34) Trichloroethene	5.96	95	5521	0.143 ug/L	98
35) Methylcyclohexane	6.17	83	4061	0.071 ug/L #	60
37) 1,2-Dichloropropane	6.11	63	21698	0.612 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	4943	0.103 ug/L #	56
42) Toluene	7.43	91	15879	0.109 ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	3248	0.086 ug/L #	78
47) Tetrachloroethene	8.02	164	74599	2.288 ug/L	98
48) 2-Hexanone	8.19	43	28096	1.991 ug/L #	88
49) Dibromochloromethane	8.02	129	62638	2.146 ug/L #	11
69) Naphthalene	13.55	128	10648	0.190 ug/L #	93

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

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QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

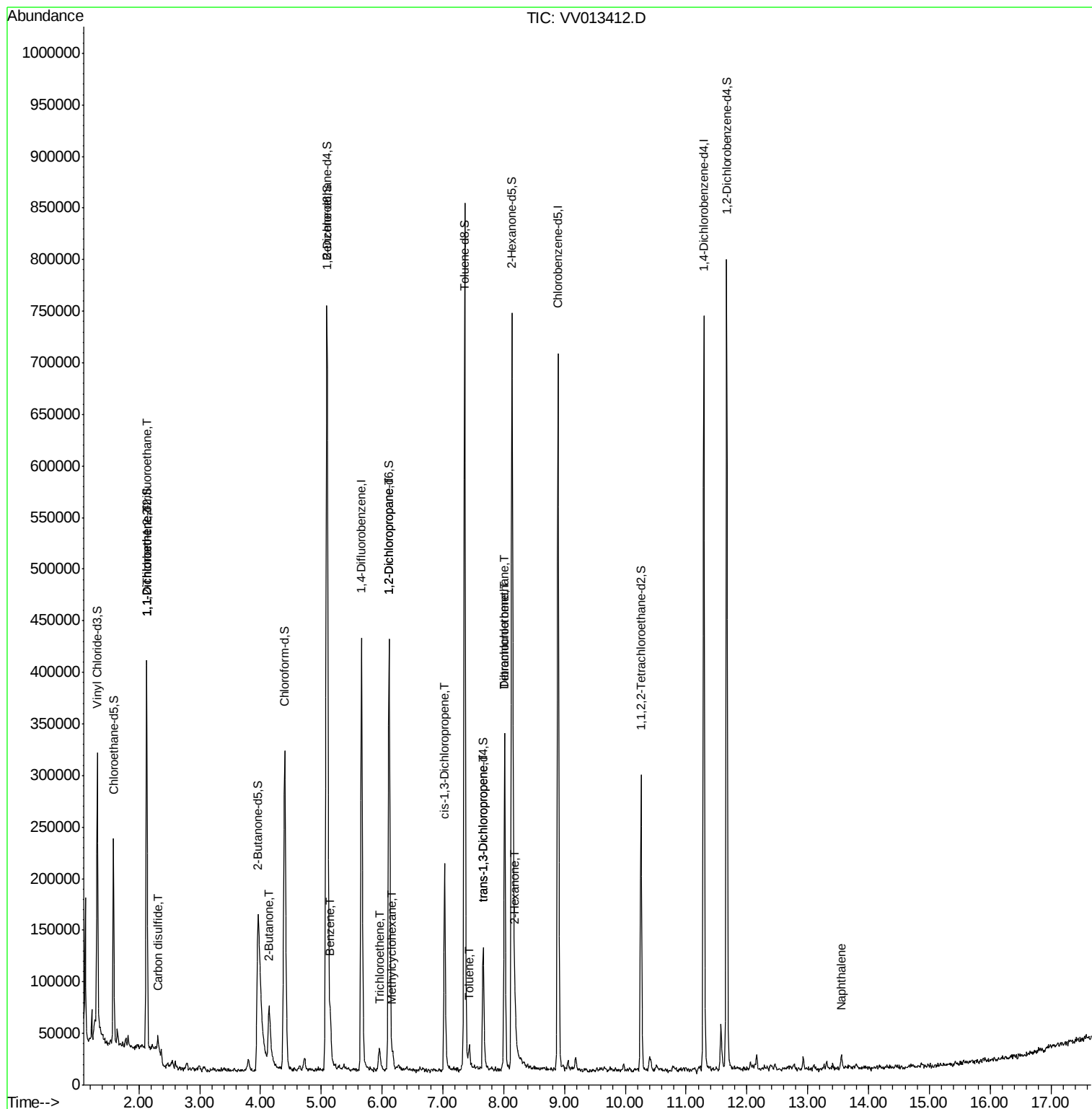
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

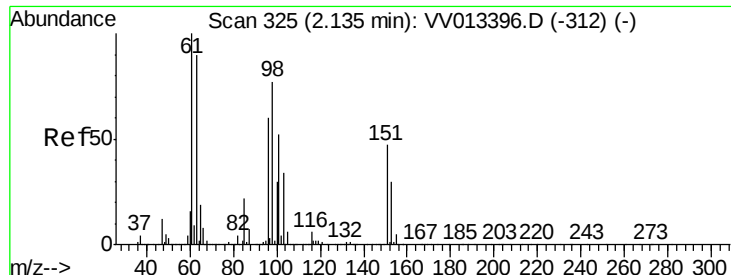
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

GAQE2

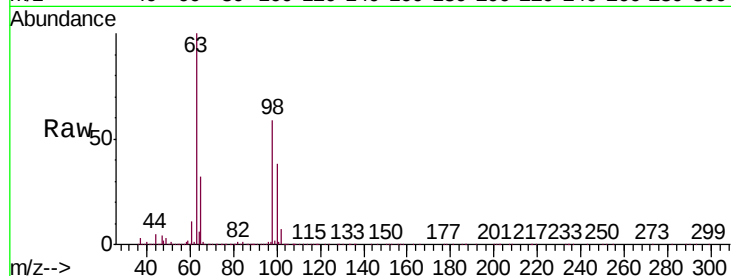
Tgt Ion: 101 Resp: 2060

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

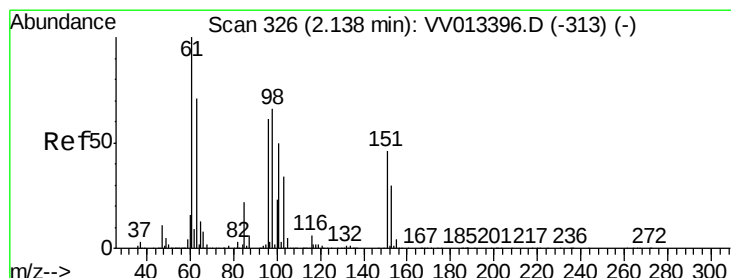
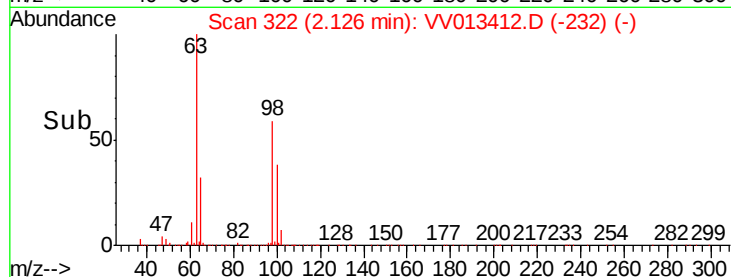
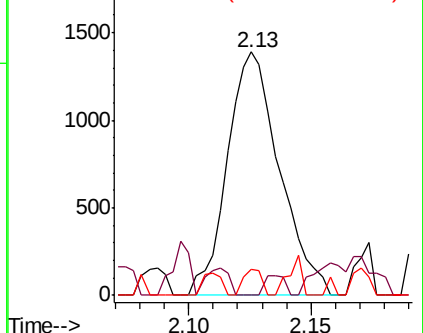
151 3.7 68.2 102.2#



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



#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

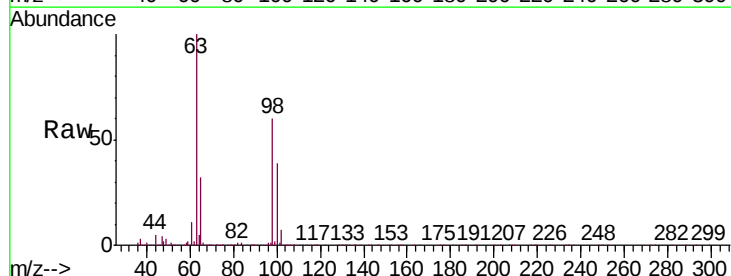
Tgt Ion: 96 Resp: 2054

Ion Ratio Lower Upper

96 100

61 1278.6 117.8 218.8#

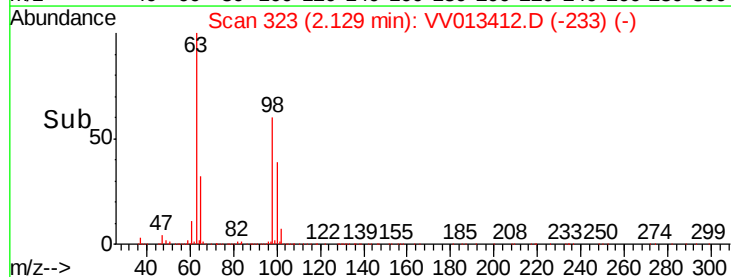
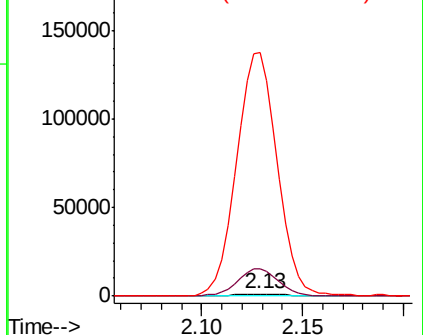
63 11231.4 85.5 158.9#

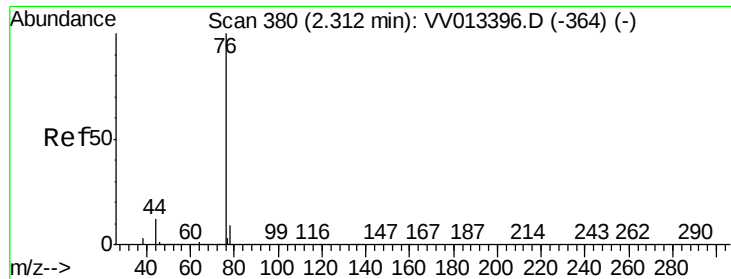


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.160 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

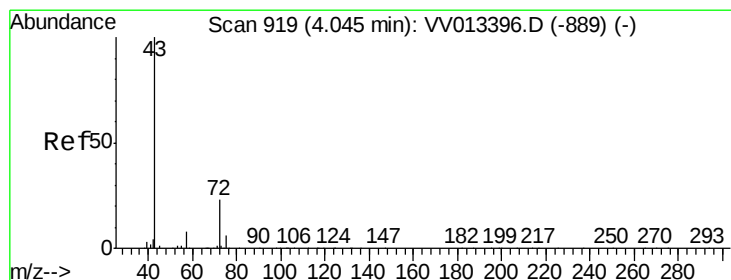
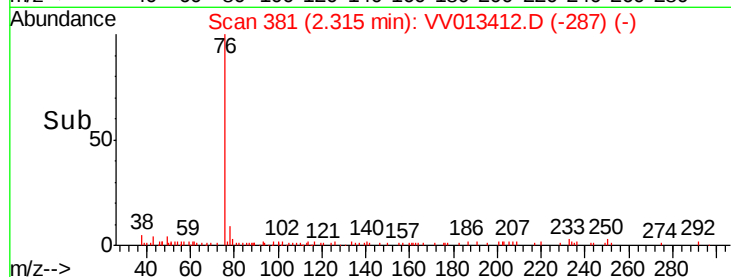
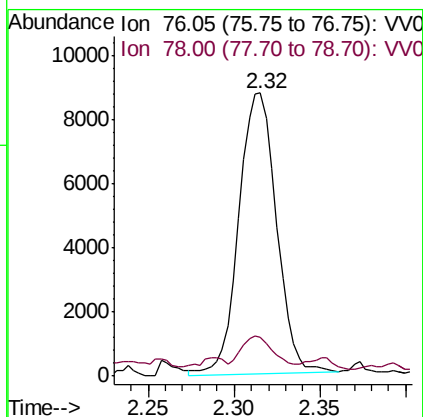
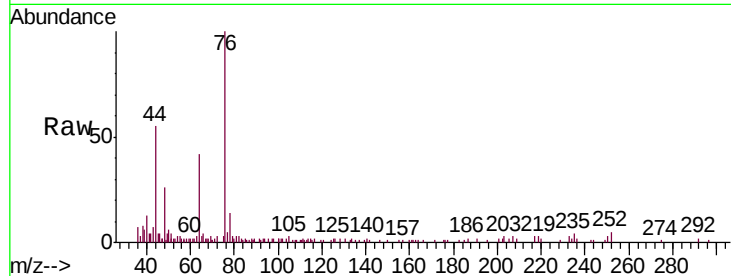
GAQE2

Tgt Ion: 76 Resp: 13299

Ion Ratio Lower Upper

76 100

78 13.9 7.5 11.3#



#21

2-Butanone

Concen: 12.879 ug/L

RT: 4.14 min Scan# 949

Delta R.T. 0.10 min

Lab File: VV013412.D

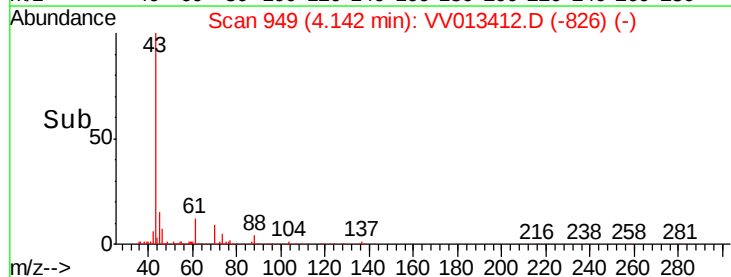
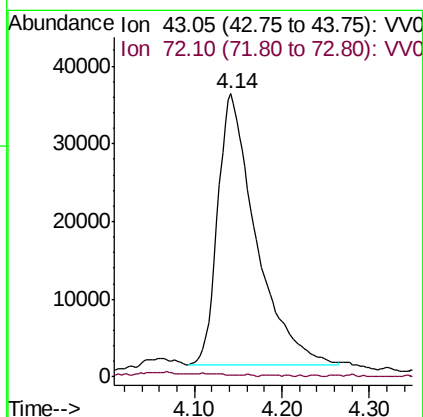
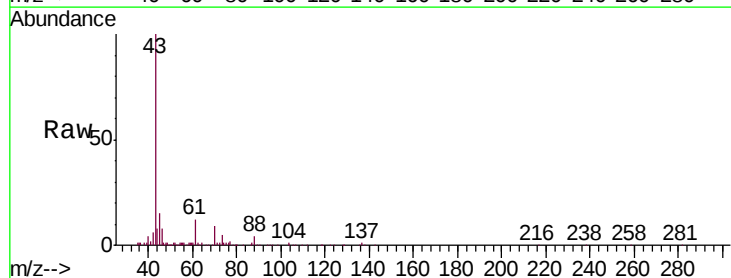
Acq: 29 Oct 2019 22:42

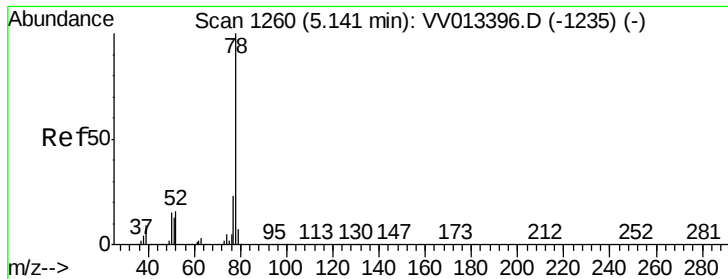
Tgt Ion: 43 Resp: 106408

Ion Ratio Lower Upper

43 100

72 0.2 11.3 33.9#





#33

Benzene

Concen: 0.353 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

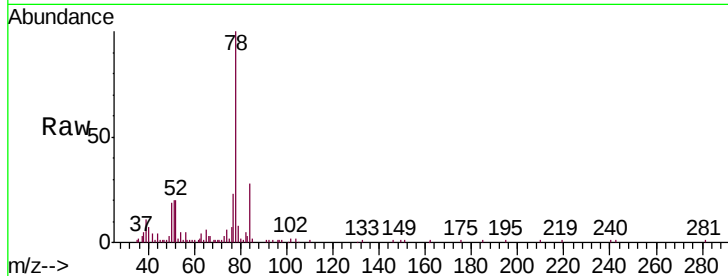
Instrument :

MSVOA_V

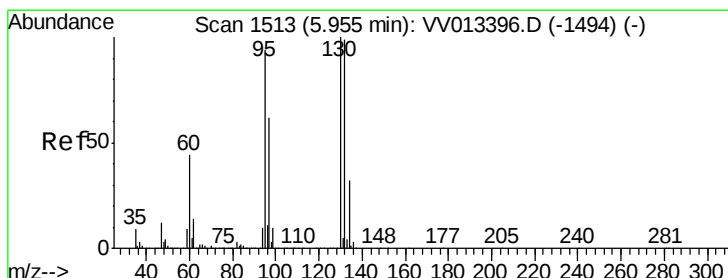
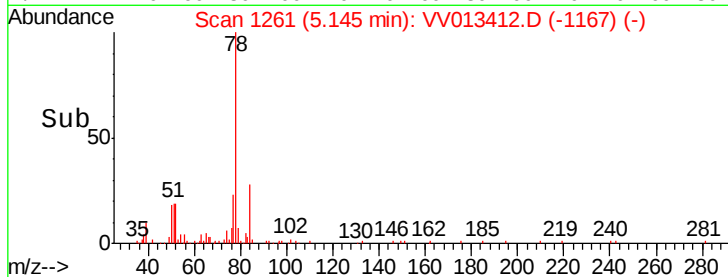
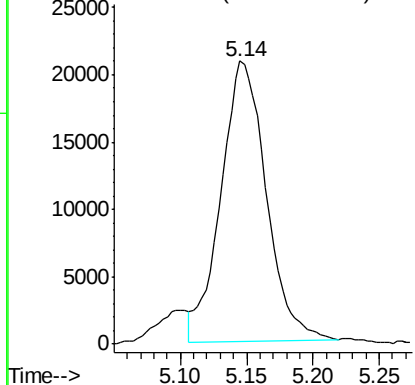
ClientSampleId :

GAQE2

Tgt Ion: 78 Resp: 49445



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.143 ug/L

RT: 5.96 min Scan# 1515

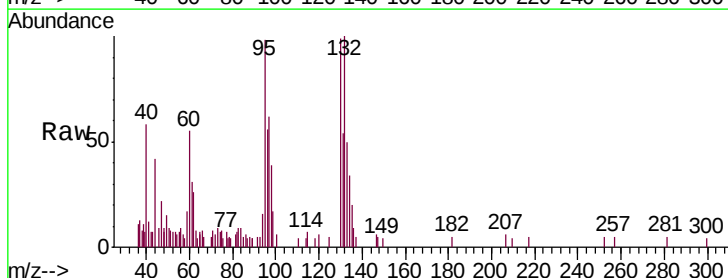
Delta R.T. 0.01 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Tgt Ion: 95 Resp: 5521

Ion	Ratio	Lower	Upper
95	100		
97	62.7	43.9	81.5
132	101.5	68.7	127.7
130	100.1	72.1	133.9

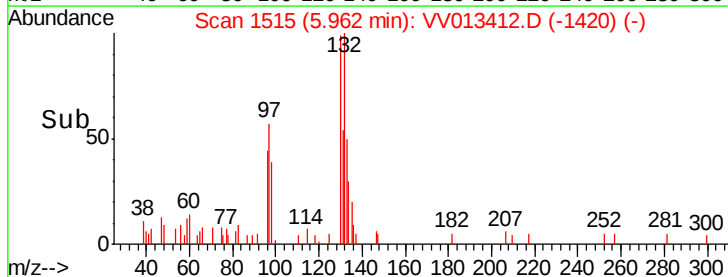
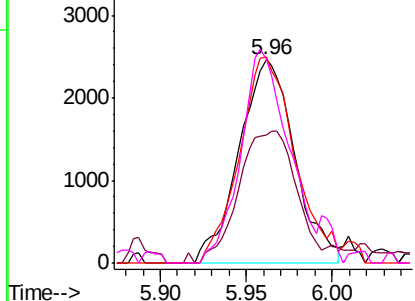


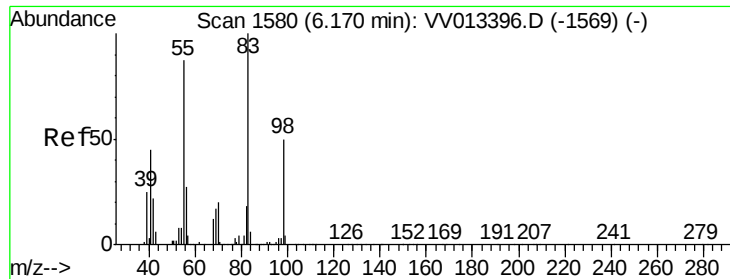
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

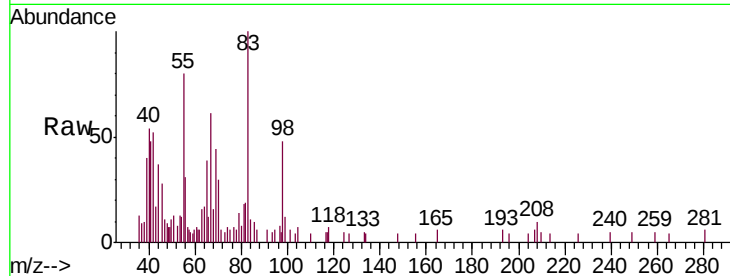




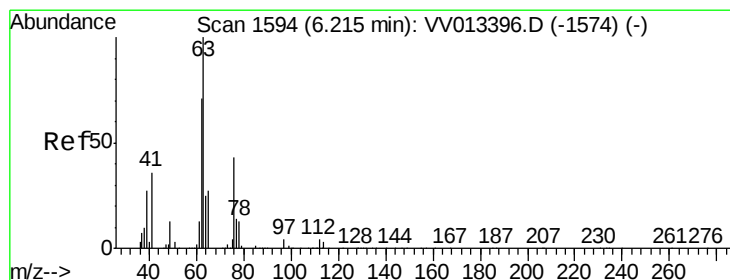
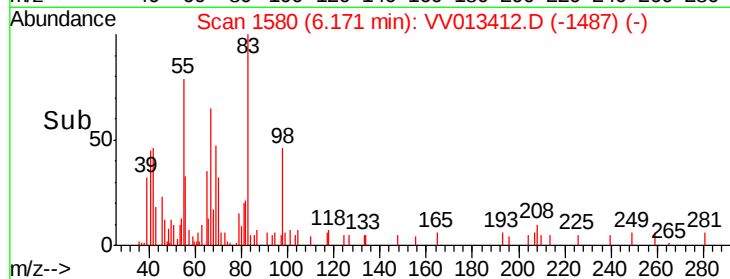
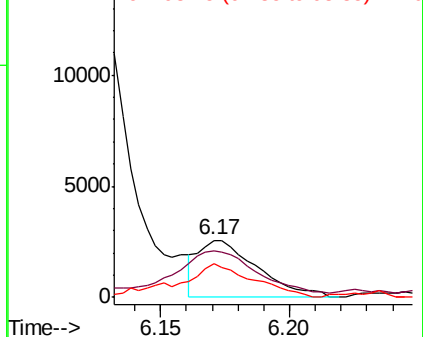
#35
Methylcyclohexane
Concen: 0.071 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV013412.D
Acq: 29 Oct 2019 22:42

Instrument :
MSVOA_V
ClientSampled :
GAQE2

Tgt Ion: 83 Resp: 4061
Ion Ratio Lower Upper
83 100
55 119.3 66.0 99.0#
98 73.6 38.2 57.4#

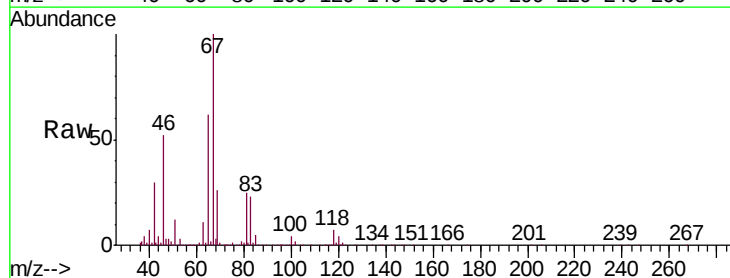


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

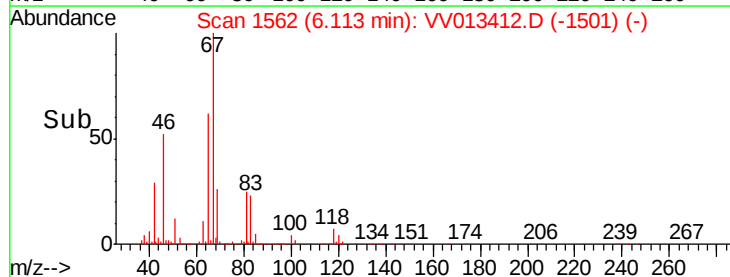
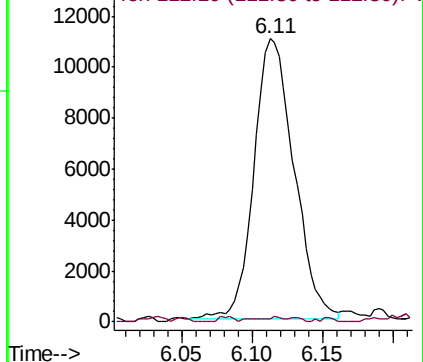


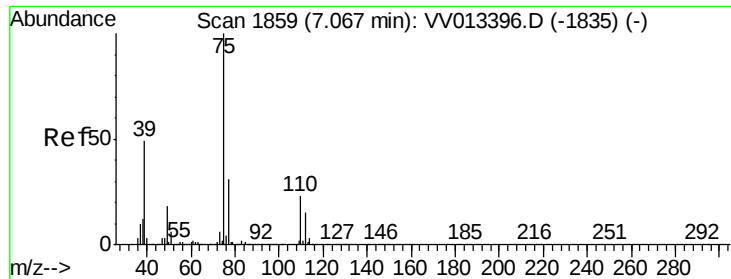
#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013412.D
Acq: 29 Oct 2019 22:42

Tgt Ion: 63 Resp: 21698
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

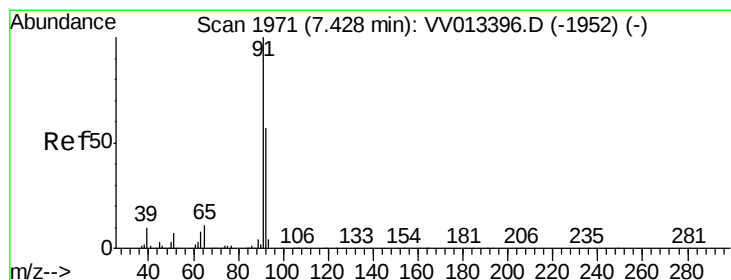
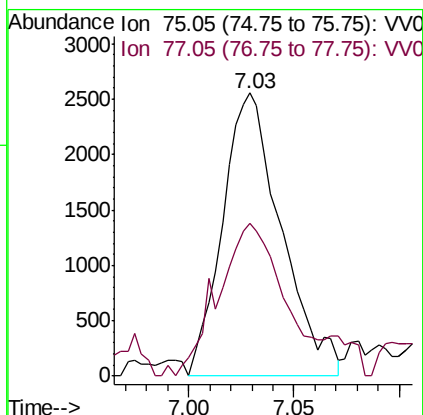
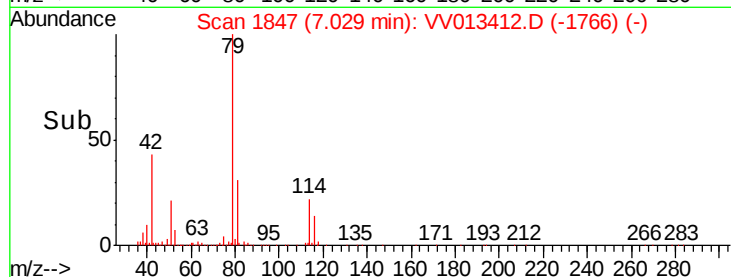
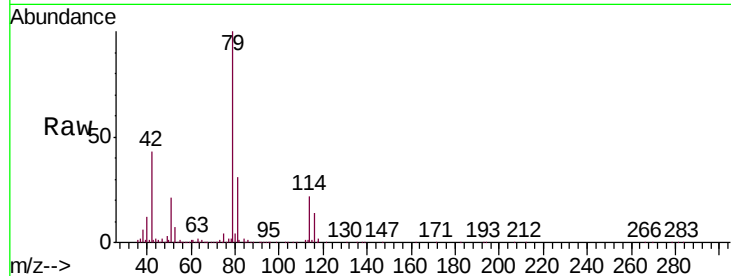




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV013412.D
 Acq: 29 Oct 2019 22:42

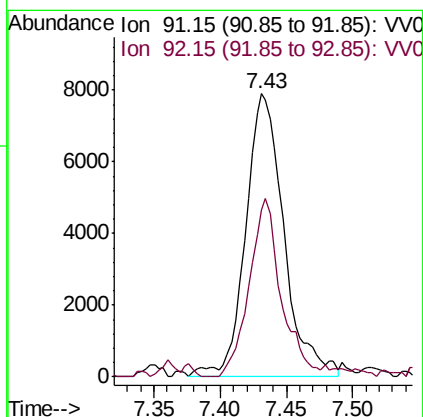
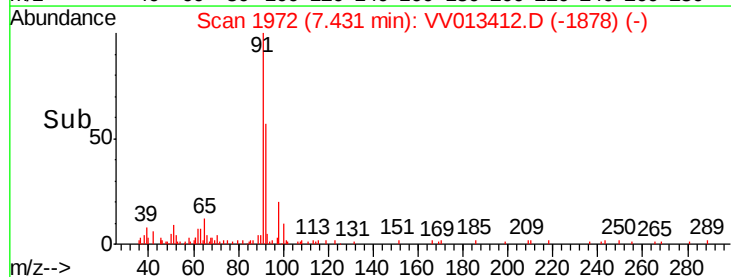
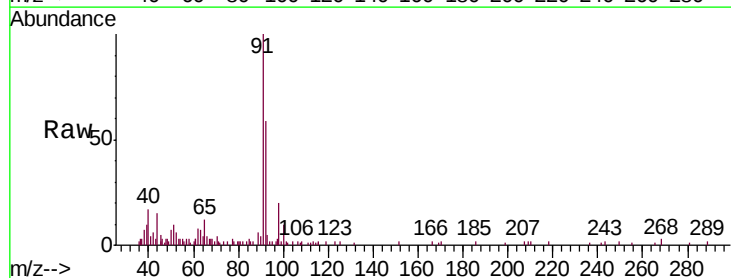
Instrument :
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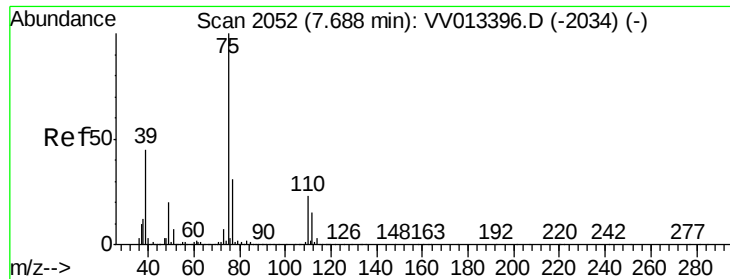
Tgt Ion: 75 Resp: 4943
 Ion Ratio Lower Upper
 75 100
 77 54.1 21.1 39.3#



#42
 Toluene
 Concen: 0.109 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013412.D
 Acq: 29 Oct 2019 22:42

Tgt Ion: 91 Resp: 15879
 Ion Ratio Lower Upper
 91 100
 92 59.2 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

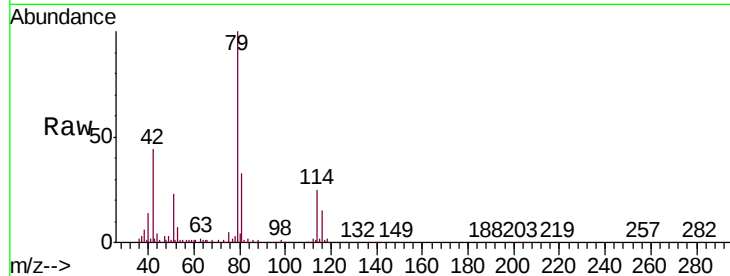
GAQE2

Tgt Ion: 75 Resp: 3248

Ion Ratio Lower Upper

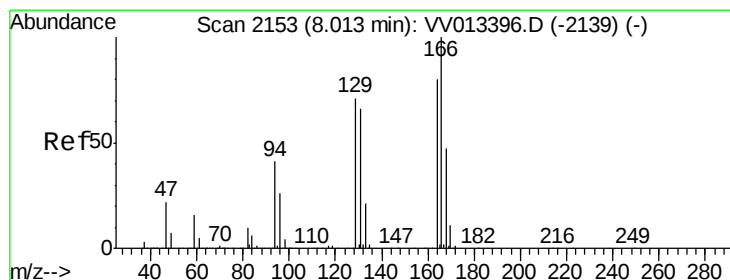
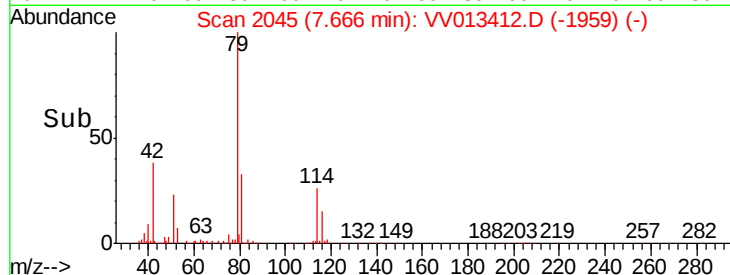
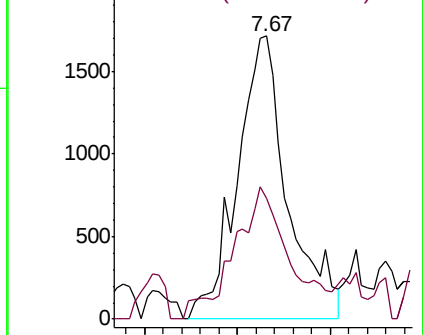
75 100

77 42.8 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: 2.288 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Tgt Ion: 164 Resp: 74599

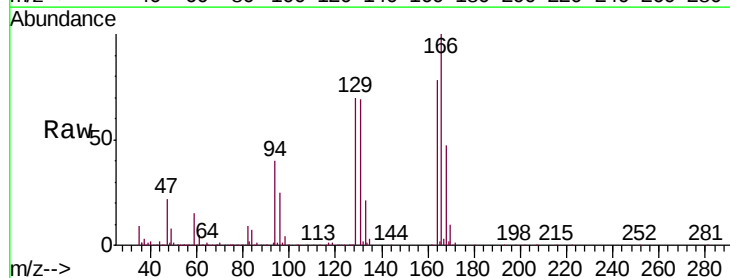
Ion Ratio Lower Upper

164 100

129 89.7 63.4 117.8

131 88.1 60.3 112.1

166 127.9 90.8 168.6

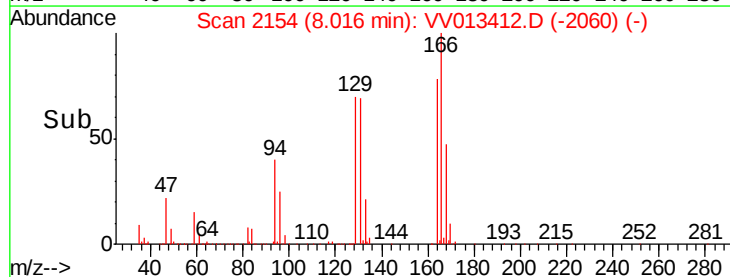
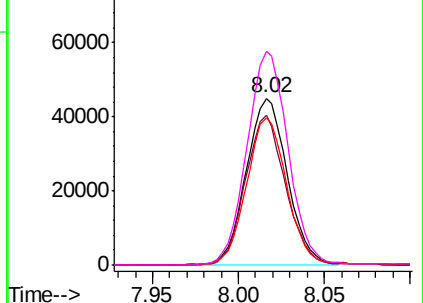


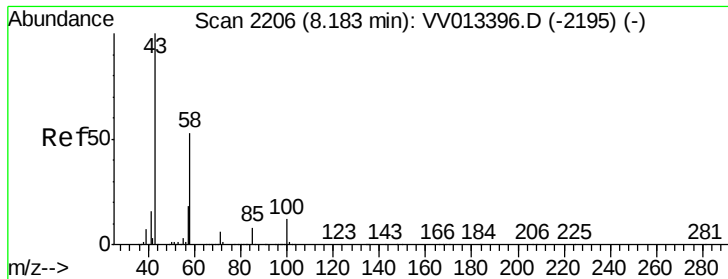
Abundance Ion 163.90 (163.60 to 164.60): VV013396.D (-2139) (-)

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) (-)

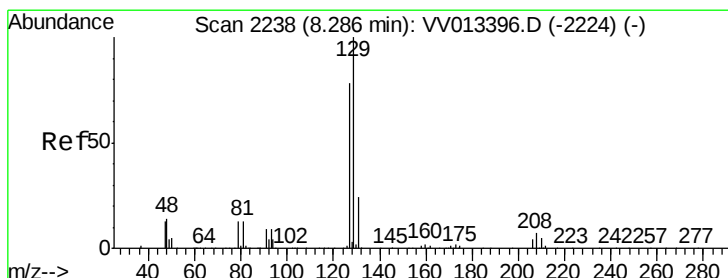
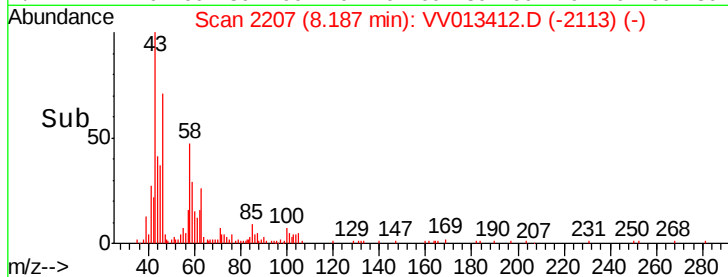
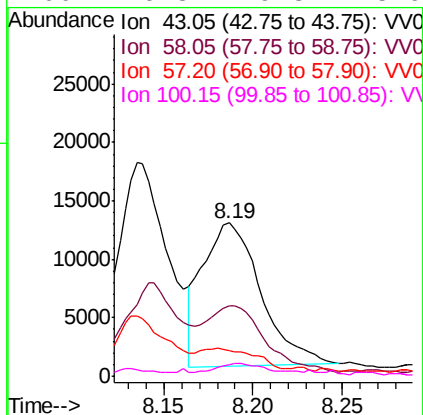
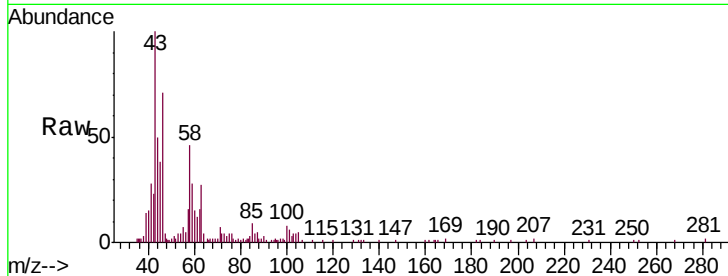




#48
2-Hexanone
Concen: 1.991 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013412.D
Acq: 29 Oct 2019 22:42

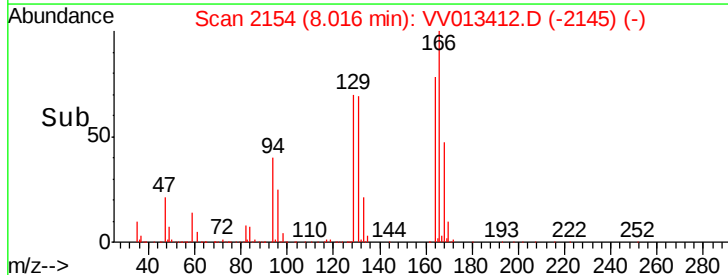
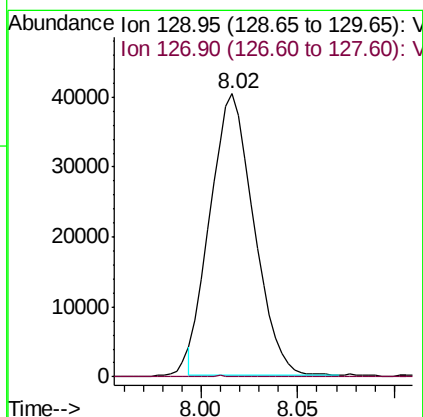
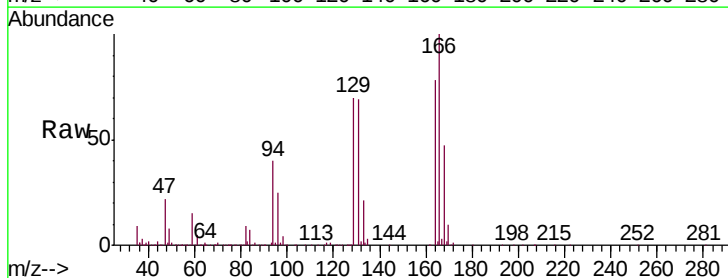
Instrument :
MSVOA_V
ClientSampleId :
GAQE2

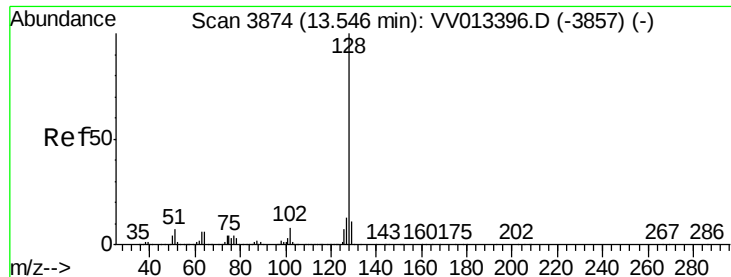
Tgt Ion:	43	Resp:	28096
Ion	Ratio	Lower	Upper
43	100		
58	44.9	43.5	65.3
57	15.0	14.3	21.5
100	6.3	9.3	13.9#



#49
Dibromochloromethane
Concen: 2.146 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013412.D
Acq: 29 Oct 2019 22:42

Tgt Ion:	129	Resp:	62638
Ion	Ratio	Lower	Upper
129	100		
127	0.4	53.8	100.0#





#69

Naphthalene

Concen: 0.190 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013412.D

Acq: 29 Oct 2019 22:42

Instrument :

MSVOA_V

ClientSampleId :

GAQE2

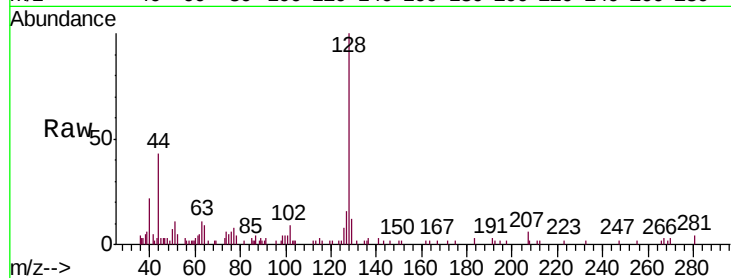
Tgt Ion:128 Resp: 10648

Ion Ratio Lower Upper

128 100

129 12.3 8.7 13.1

127 17.2 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

