

Data File : VV013419.D
Acq On : 30 Oct 2019 01:29
Operator : SY/MD
Sample : K5597-20
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE9

Quant Time: Oct 30 05:46:25 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	349342	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	374322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	194676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149416	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	121176	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	195817	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.94	46	392033	51.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.74%
24) Chloroform-d	4.40	84	307195	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	164614	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	631539	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	196246	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	527978	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.66	79	65515	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.13	63	229457	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	129438	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	201836	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2585	0.093	ug/L #	25
13) Acetone	2.20	43	8620	2.334	ug/L	84
14) Carbon disulfide	2.32	76	6391	0.079	ug/L #	86
21) 2-Butanone	4.13	43	329229	40.922	ug/L #	53
25) Chloroform	4.43	83	15488	0.224	ug/L	89
30) Cyclohexane	4.73	56	6837	0.117	ug/L #	89
33) Benzene	5.15	78	31963	0.229	ug/L	100
35) Methylcyclohexane	6.17	83	5247	0.092	ug/L #	79
37) 1,2-Dichloropropane	6.12	63	19647	0.556	ug/L #	91
42) Toluene	7.43	91	17369	0.119	ug/L	95
44) trans-1,3-Dichloropropene	7.67	75	3263	0.086	ug/L	84
47) Tetrachloroethene	8.02	164	21888	0.673	ug/L	92
48) 2-Hexanone	8.18	43	23209	1.648	ug/L #	75
49) Dibromochloromethane	8.02	129	17605	0.604	ug/L #	14
53) m,p-xylene	9.18	106	7631	0.134	ug/L	88
69) Naphthalene	13.55	128	20536	0.369	ug/L #	96

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

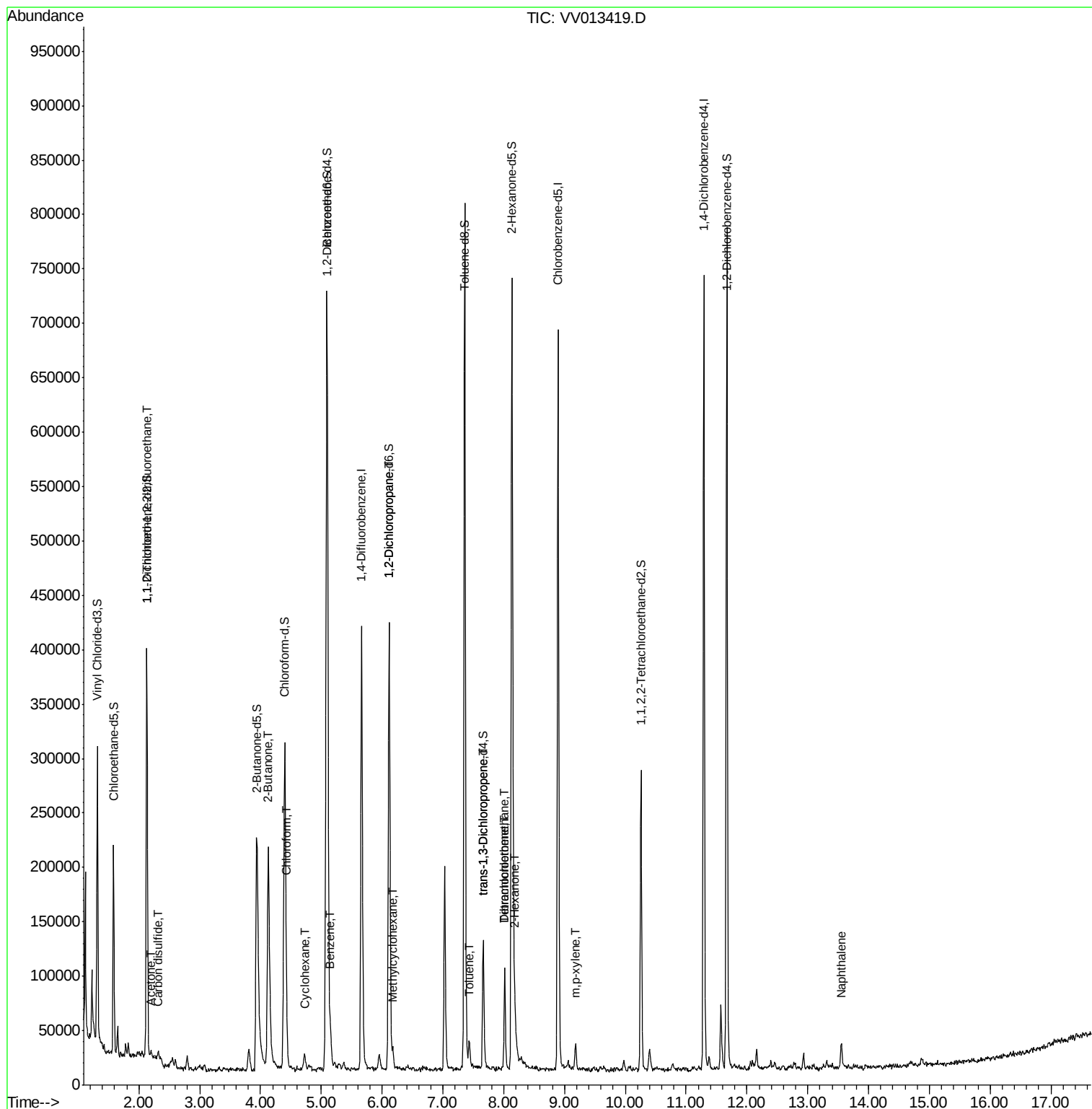
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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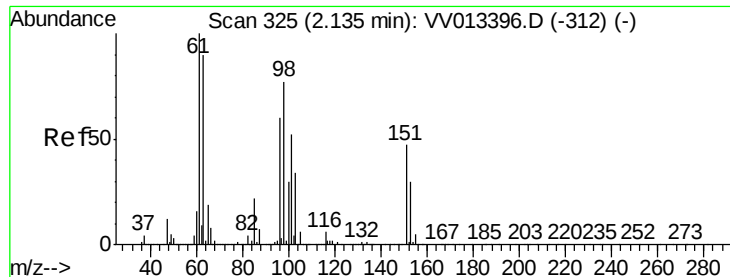
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.093 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

Instrument :

MSVOA_V

ClientSampleId :

GAQE9

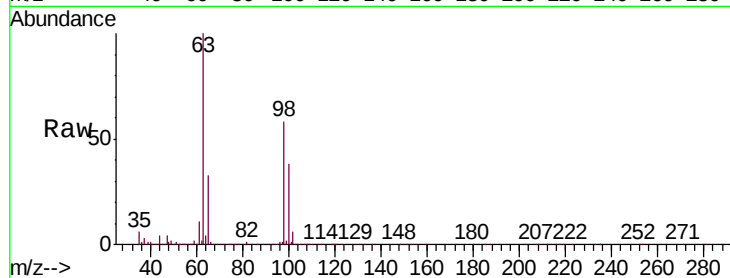
Tgt Ion:101 Resp: 2585

Ion Ratio Lower Upper

101 100

85 3.8 33.0 49.4#

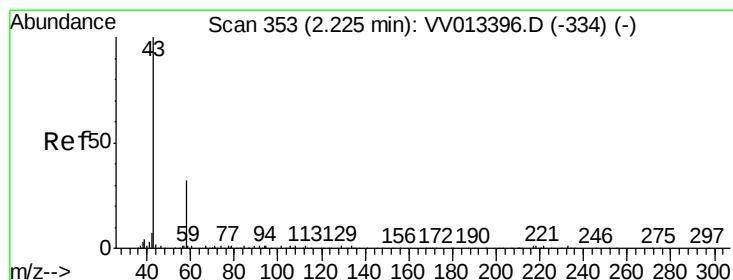
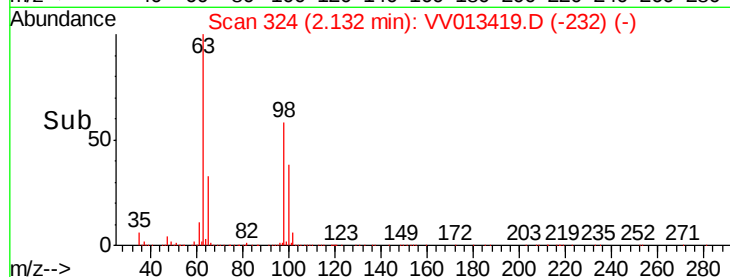
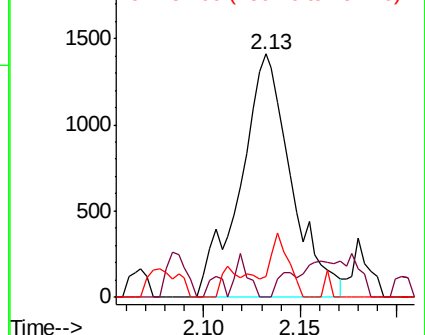
151 9.7 68.2 102.2#



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



#13

Acetone

Concen: 2.334 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV013419.D

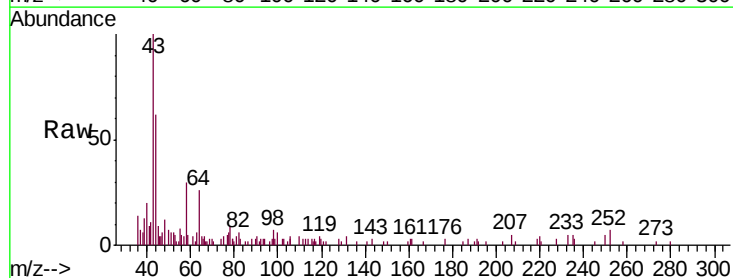
Acq: 30 Oct 2019 01:29

Tgt Ion: 43 Resp: 8620

Ion Ratio Lower Upper

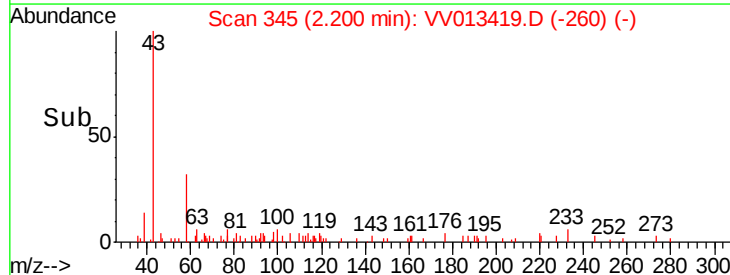
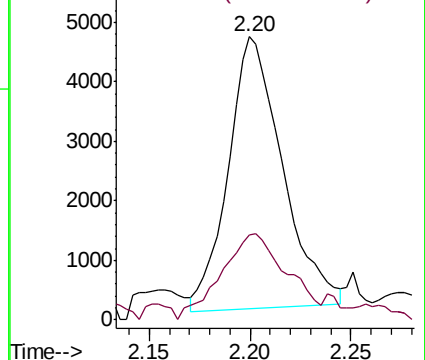
43 100

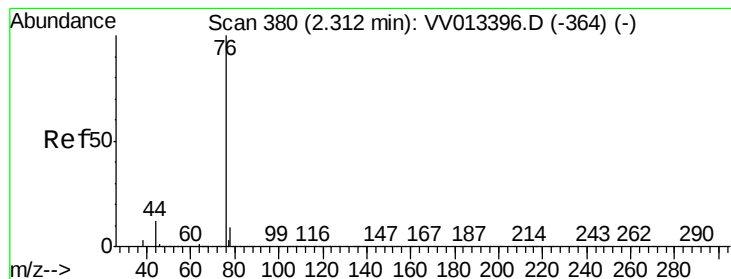
58 38.2 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.079 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

Instrument :

MSVOA_V

ClientSampleId :

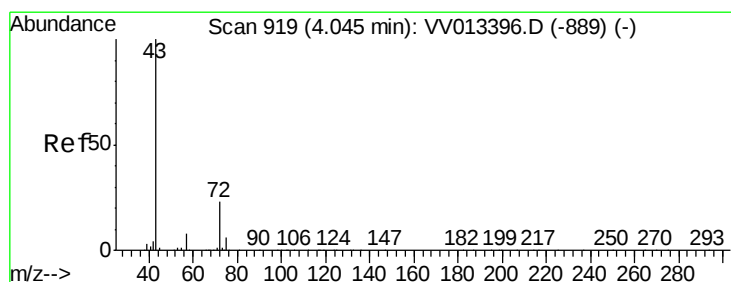
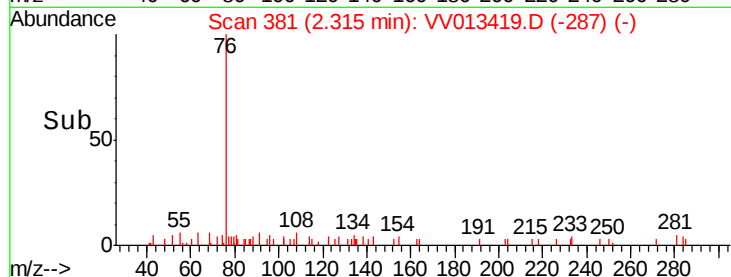
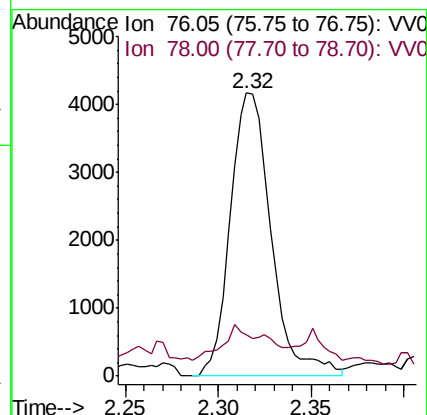
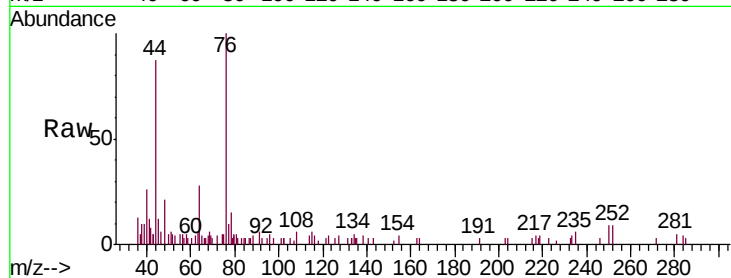
GAQE9

Tgt Ion: 76 Resp: 6391

Ion Ratio Lower Upper

76 100

78 14.7 7.5 11.3#



#21

2-Butanone

Concen: 40.922 ug/L

RT: 4.13 min Scan# 945

Delta R.T. 0.08 min

Lab File: VV013419.D

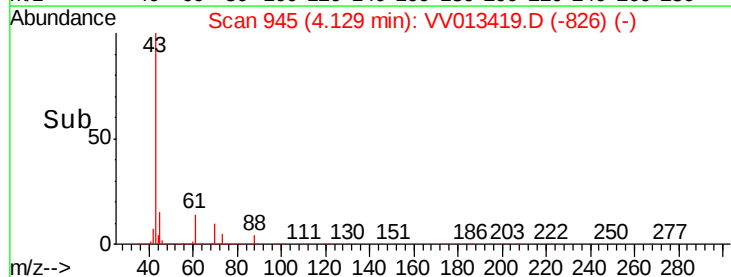
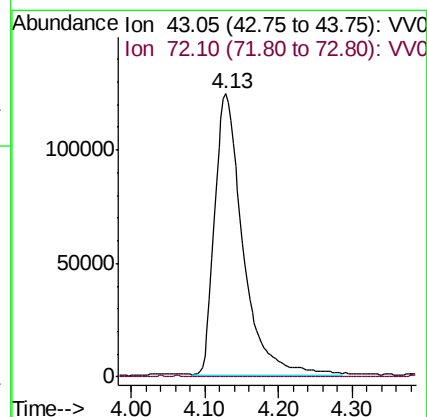
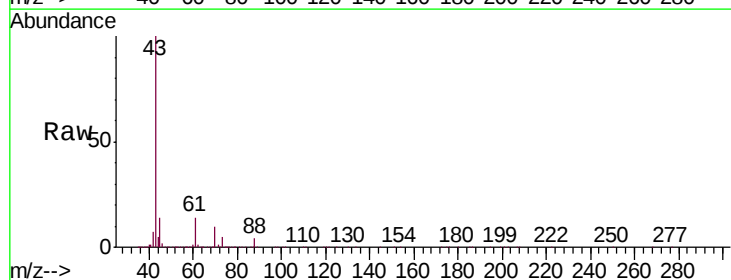
Acq: 30 Oct 2019 01:29

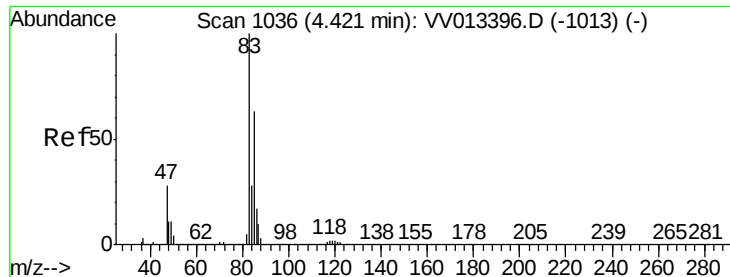
Tgt Ion: 43 Resp: 329229

Ion Ratio Lower Upper

43 100

72 0.1 11.3 33.9#





#25

Chloroform

Concen: 0.224 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

Instrument :

MSVOA_V

ClientSampleId :

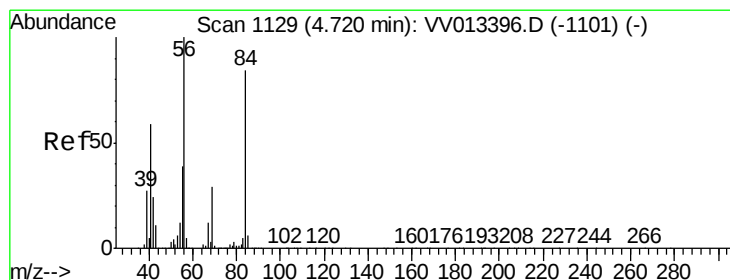
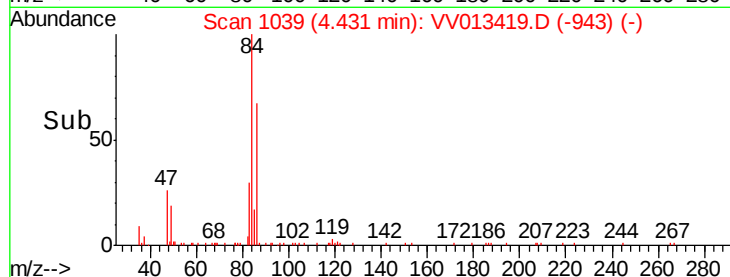
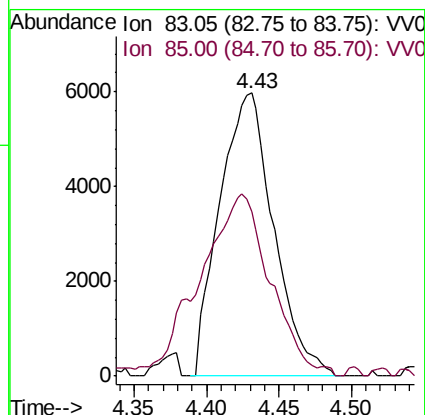
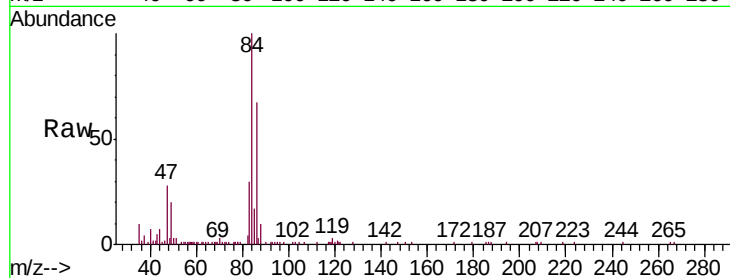
GAQE9

Tgt Ion: 83 Resp: 15488

Ion Ratio Lower Upper

83 100

85 58.0 46.5 86.5



#30

Cyclohexane

Concen: 0.117 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

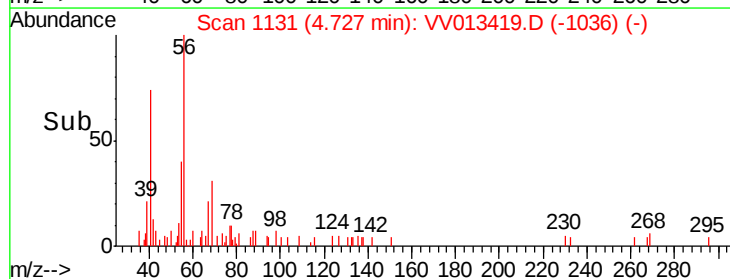
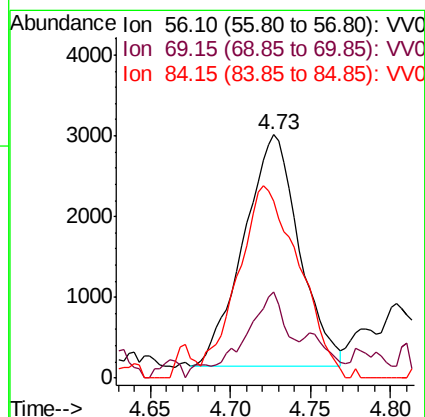
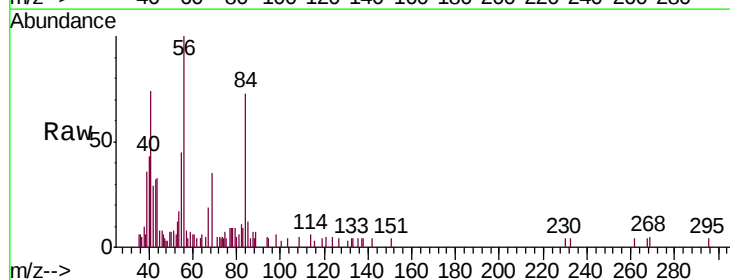
Tgt Ion: 56 Resp: 6837

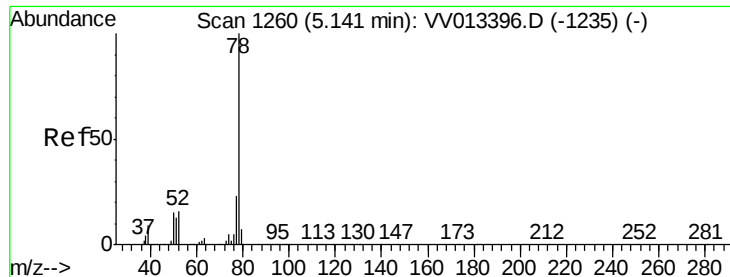
Ion Ratio Lower Upper

56 100

69 22.4 22.7 34.1#

84 91.5 65.5 98.3





#33

Benzene

Concen: 0.229 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

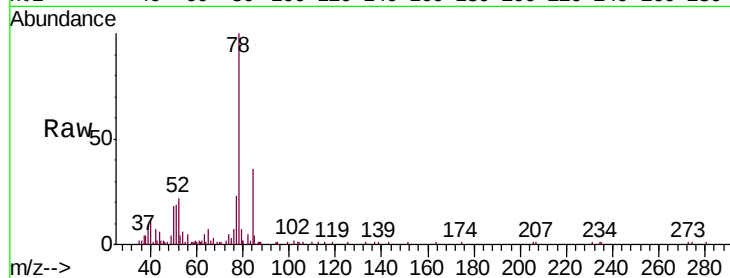
Instrument :

MSVOA_V

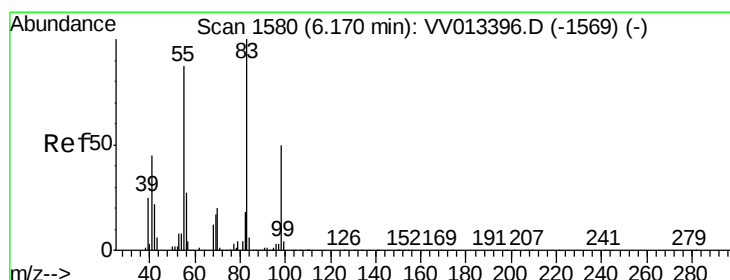
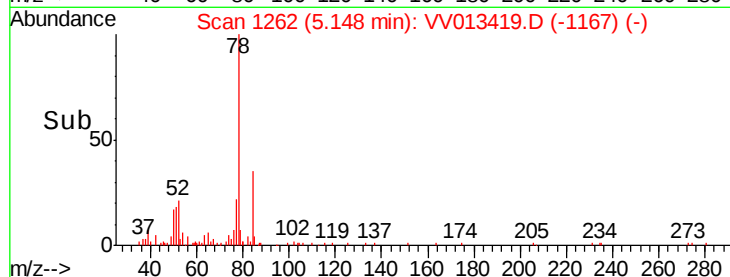
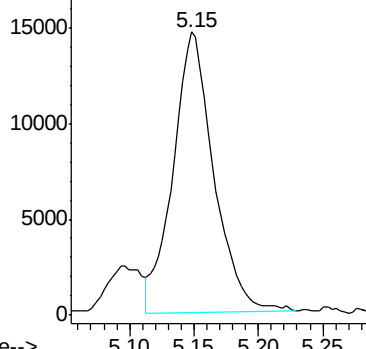
ClientSampled :

GAQE9

Tgt Ion: 78 Resp: 31963



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.092 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013419.D

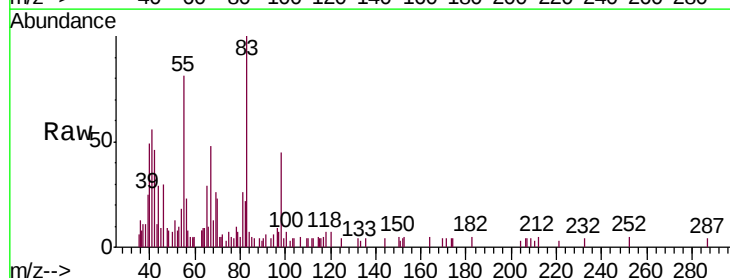
Acq: 30 Oct 2019 01:29

Tgt Ion: 83 Resp: 5247

Ion	Ratio	Lower	Upper
83	100		

55	107.1	66.0	99.0#
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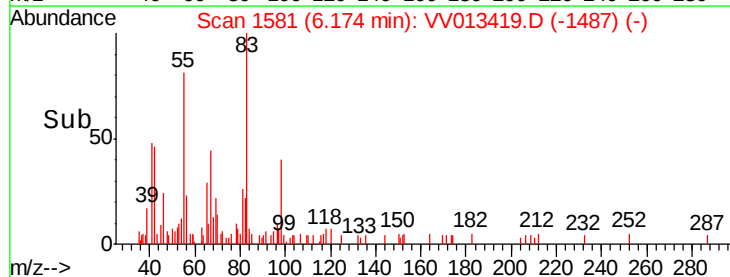
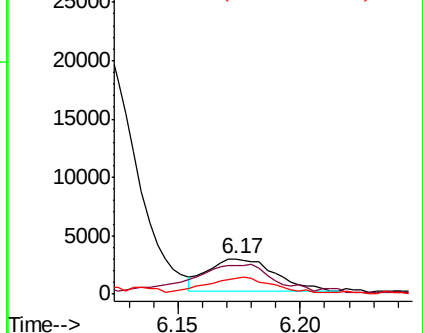
98	54.4	38.2	57.4
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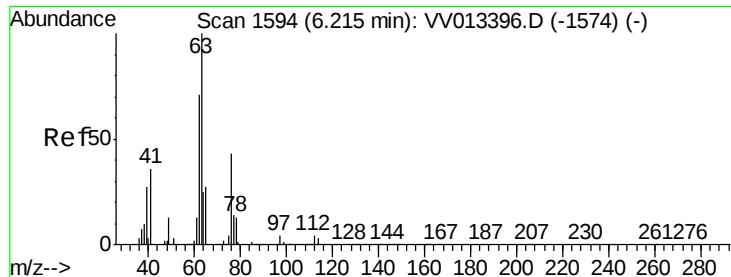


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

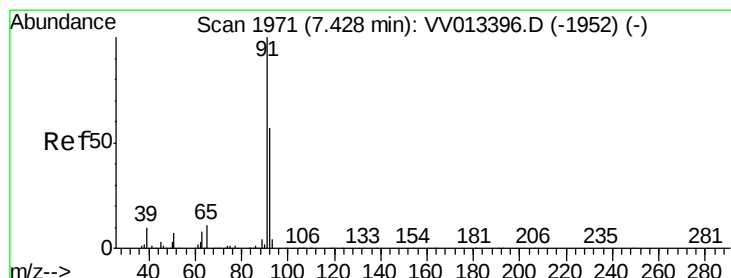
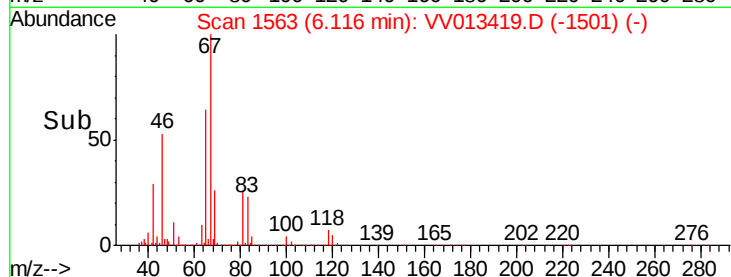
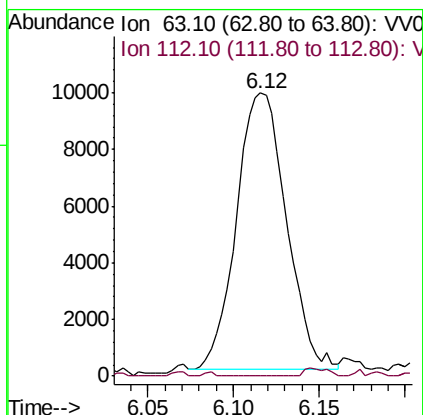
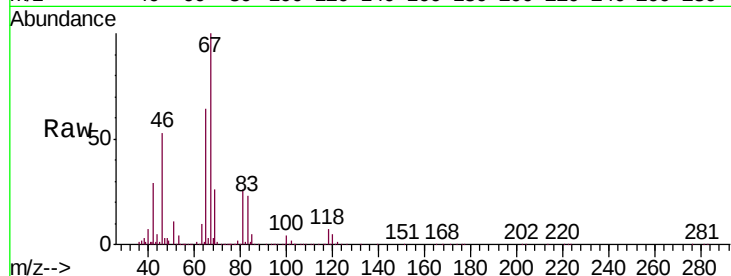




#37
 1,2-Dichloropropane
 Concen: 0.556 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013419.D
 Acq: 30 Oct 2019 01:29

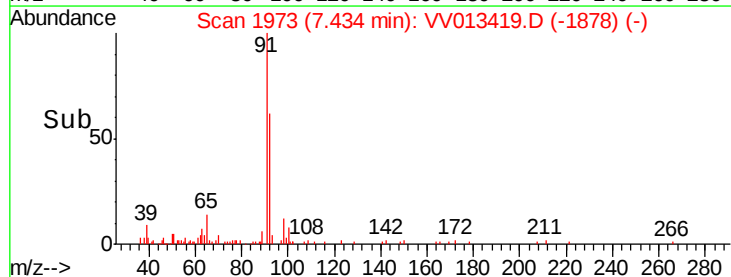
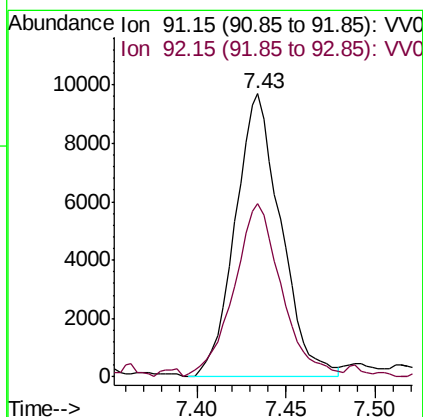
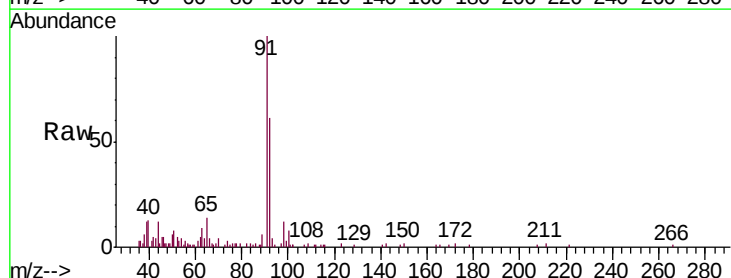
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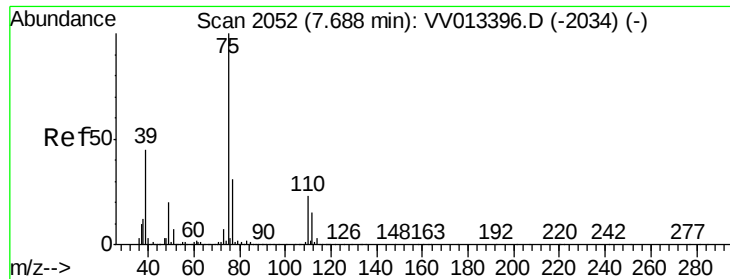
Tgt Ion: 63 Resp: 19647
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.6 5.4#



#42
 Toluene
 Concen: 0.119 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV013419.D
 Acq: 30 Oct 2019 01:29

Tgt Ion: 91 Resp: 17369
 Ion Ratio Lower Upper
 91 100
 92 61.1 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: VV013419.D

Acq: 30 Oct 2019 01:29

Instrument :

MSVOA_V

ClientSampleId :

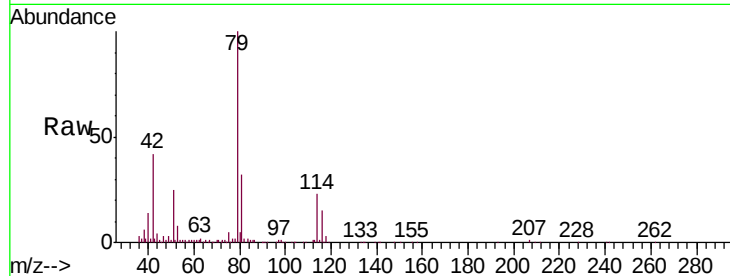
GAQE9

Tgt Ion: 75 Resp: 3263

Ion Ratio Lower Upper

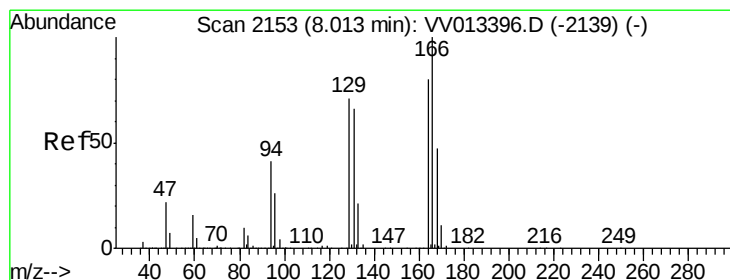
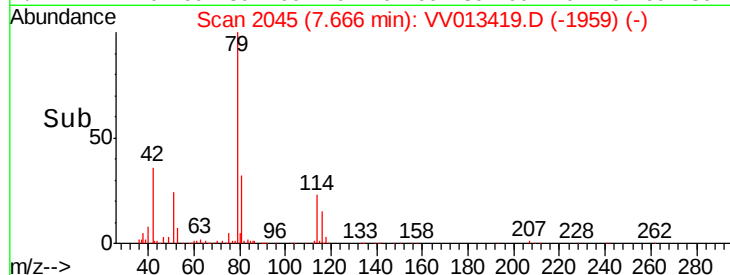
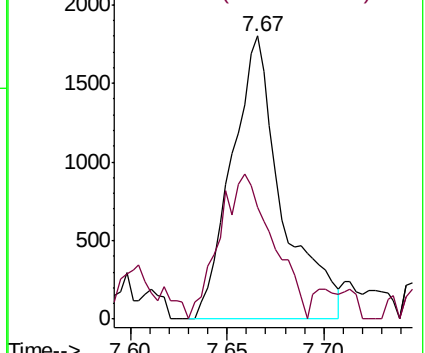
75 100

77 39.3 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: 0.673 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

Tgt Ion: 164 Resp: 21888

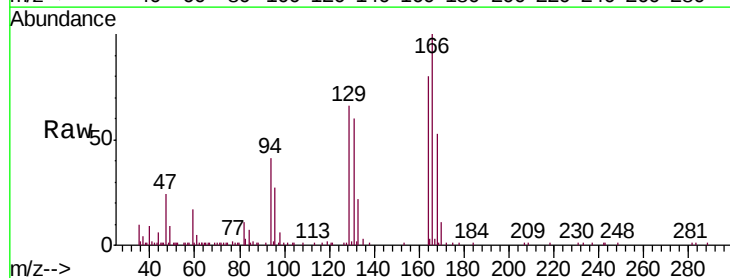
Ion Ratio Lower Upper

164 100

129 81.7 63.4 117.8

131 74.3 60.3 112.1

166 124.4 90.8 168.6

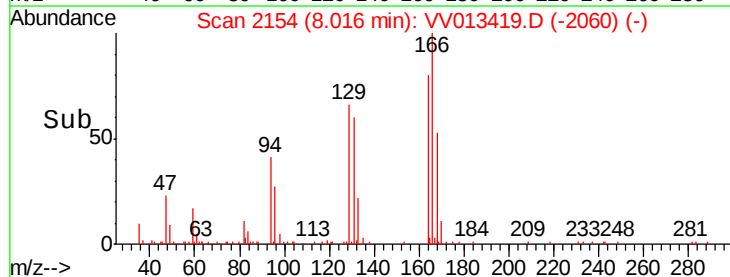
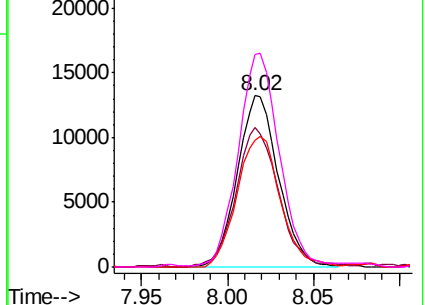


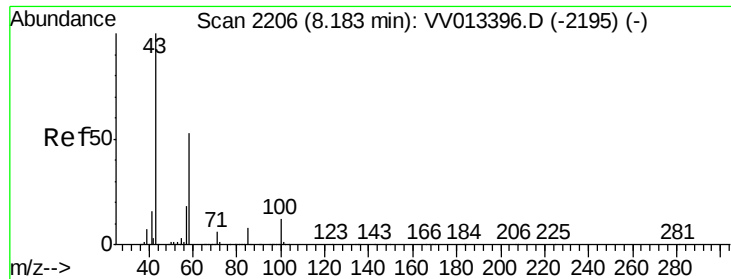
Abundance Ion 163.90 (163.60 to 164.60): V

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

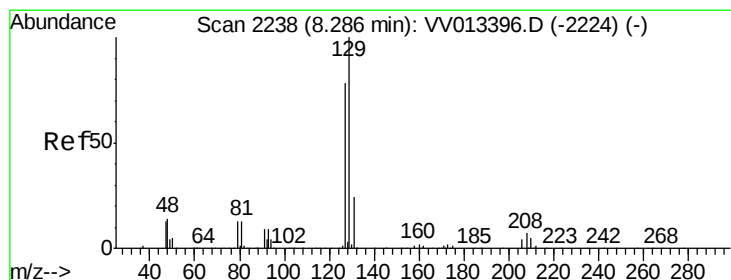
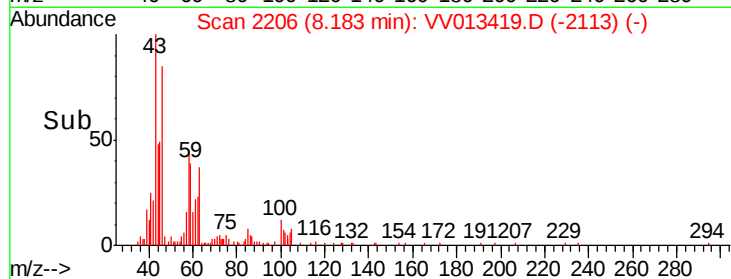
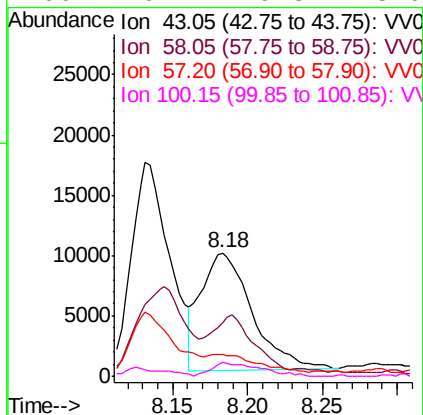
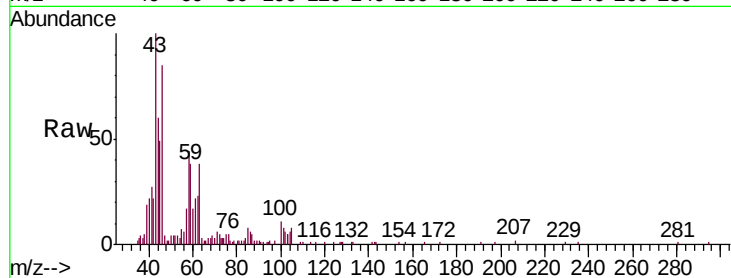




#48
2-Hexanone
Concen: 1.648 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013419.D
Acq: 30 Oct 2019 01:29

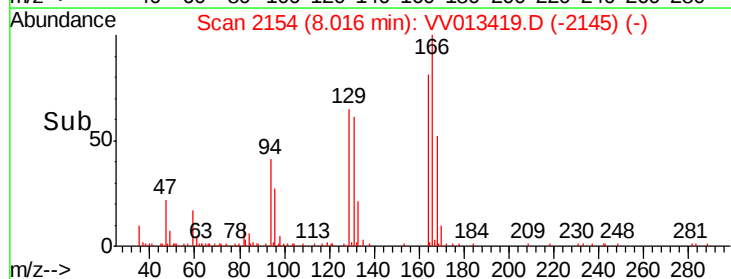
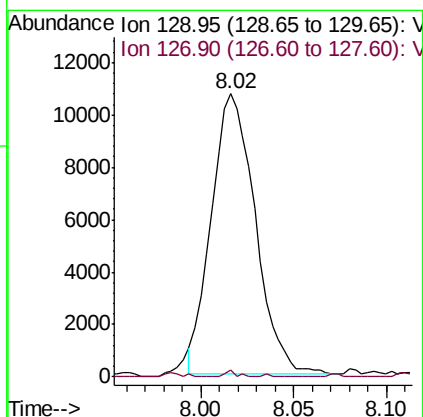
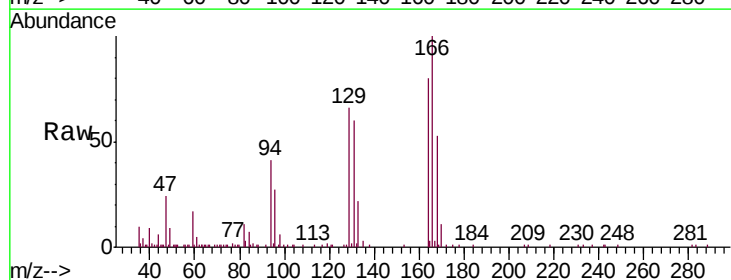
Instrument :
MSVOA_V
ClientSampleId :
GAQE9

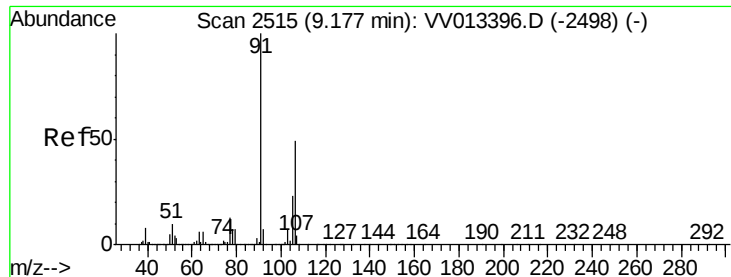
Tgt Ion:	43	Resp:	23209
Ion	Ratio	Lower	Upper
43	100		
58	36.5	43.5	65.3#
57	0.0	14.3	21.5#
100	10.4	9.3	13.9



#49
Dibromochloromethane
Concen: 0.604 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013419.D
Acq: 30 Oct 2019 01:29

Tgt Ion:	129	Resp:	17605
Ion	Ratio	Lower	Upper
129	100		
127	2.4	53.8	100.0#





#53

m,p-xylene

Concen: 0.134 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

Instrument :

MSVOA_V

ClientSampleId :

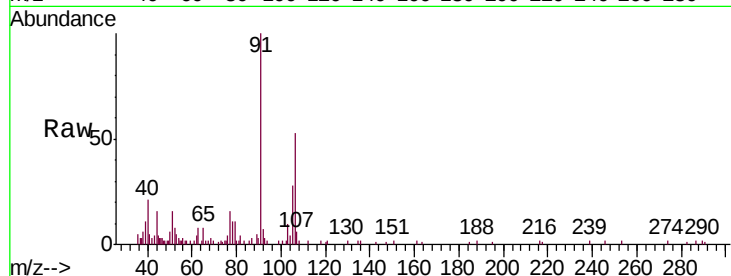
GAQE9

Tgt Ion:106 Resp: 7631

Ion Ratio Lower Upper

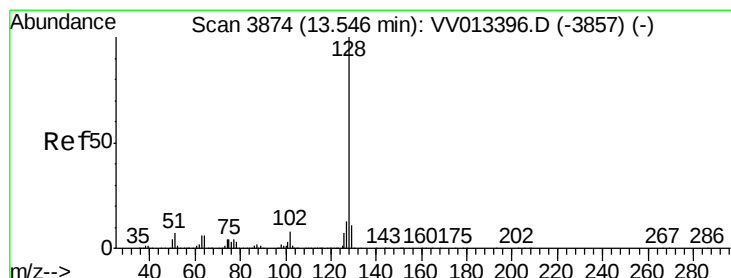
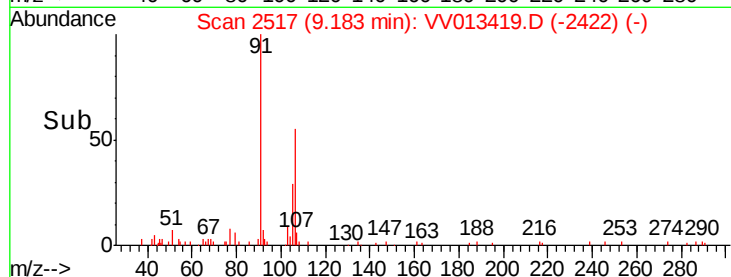
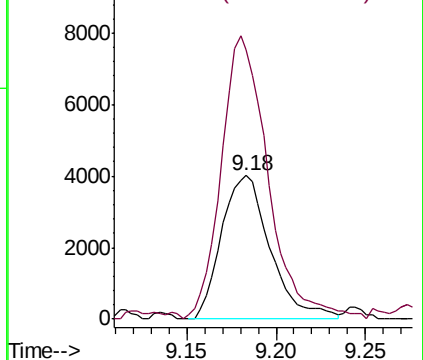
106 100

91 187.8 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.369 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013419.D

Acq: 30 Oct 2019 01:29

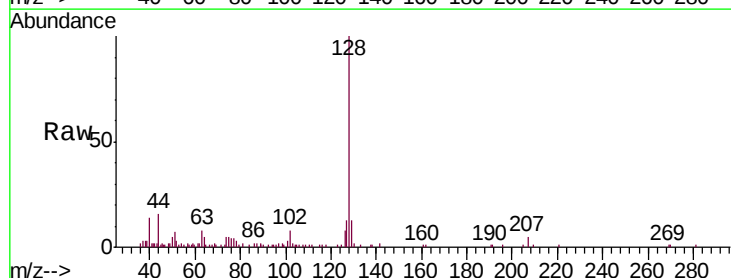
Tgt Ion:128 Resp: 20536

Ion Ratio Lower Upper

128 100

129 13.2 8.7 13.1#

127 14.1 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

