

Data File : VV013406.D
Acq On : 29 Oct 2019 20:17
Operator : SY/MD
Sample : K5597-03
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD4

Quant Time: Oct 30 02:55:21 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	339540	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	374282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	184182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	156513	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	125836	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.13	63	204121	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.94	46	393103	53.51	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.02%
24) Chloroform-d	4.40	84	310980	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	162522	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.10	84	619495	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	197071	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	517137	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.66	79	66443	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.13	63	207622	43.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	125195	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	191128	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

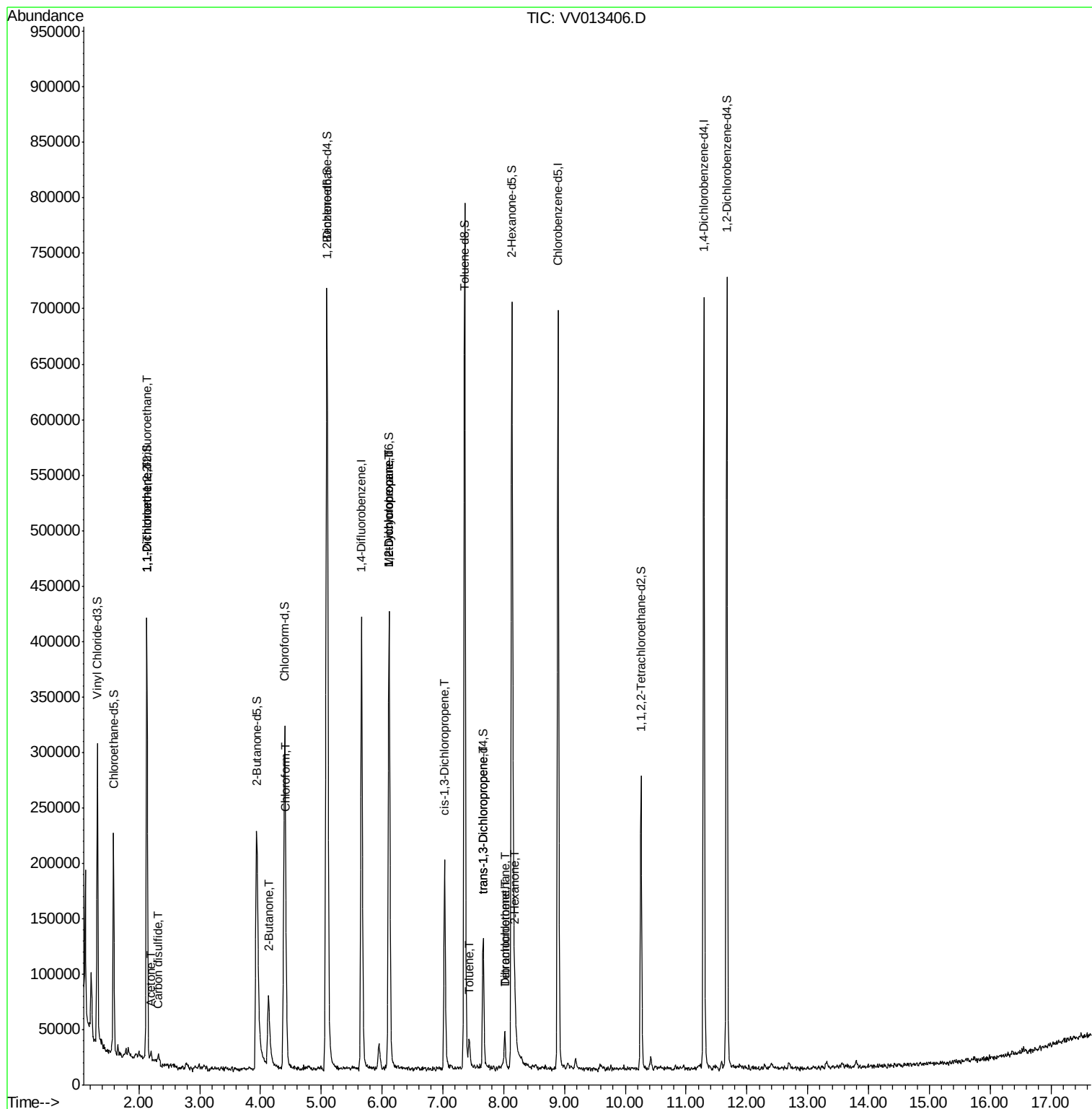
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2193	0.081	ug/L #	29
12) 1,1-Dichloroethene	2.13	96	2215	0.085	ug/L #	1
13) Acetone	2.20	43	8687	2.420	ug/L	84
14) Carbon disulfide	2.32	76	5578	0.071	ug/L #	69
21) 2-Butanone	4.13	43	104559	13.371	ug/L #	54
25) Chloroform	4.42	83	13891	0.207	ug/L	96
35) Methylcyclohexane	6.12	83	47091	0.822	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	20549	0.581	ug/L #	91
39) cis-1,3-Dichloropropene	7.03	75	5435	0.114	ug/L #	70
42) Toluene	7.43	91	17256	0.118	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	3469	0.092	ug/L #	64
47) Tetrachloroethene	8.02	164	8173	0.251	ug/L	82
48) 2-Hexanone	8.19	43	32777	2.328	ug/L #	84
49) Dibromochloromethane	8.02	129	6971	0.239	ug/L #	15

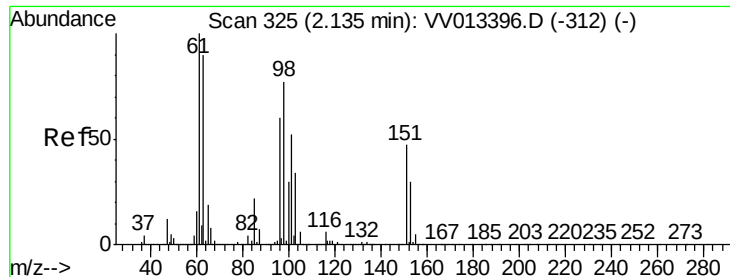
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.081 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

GAQD4

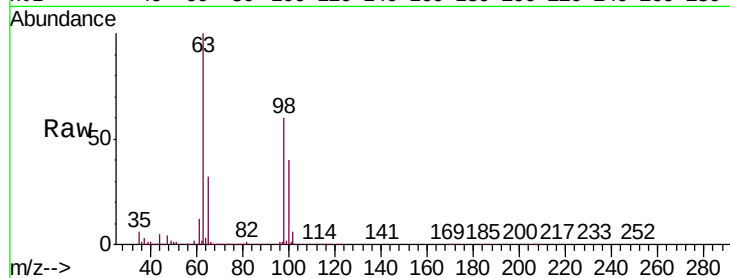
Tgt Ion:101 Resp: 2193

Ion Ratio Lower Upper

101 100

85 5.6 33.0 49.4#

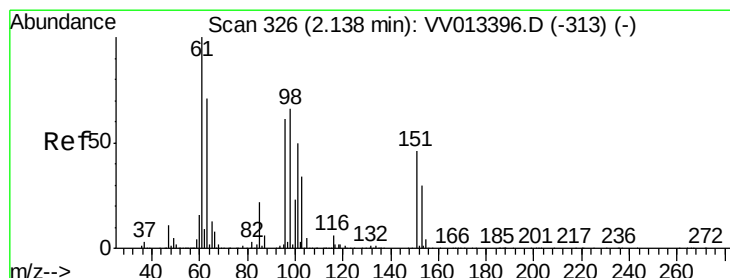
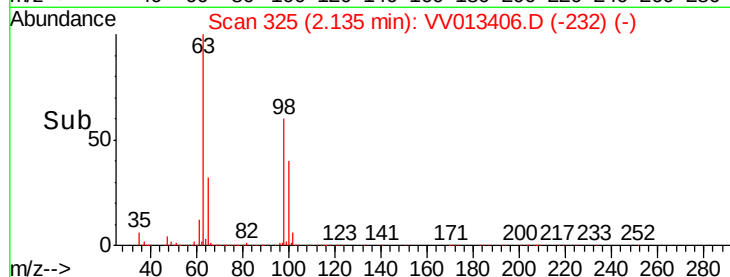
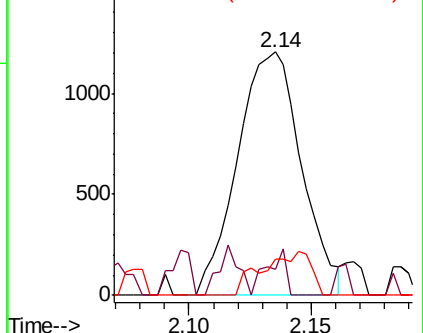
151 13.5 68.2 102.2#



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: 0.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

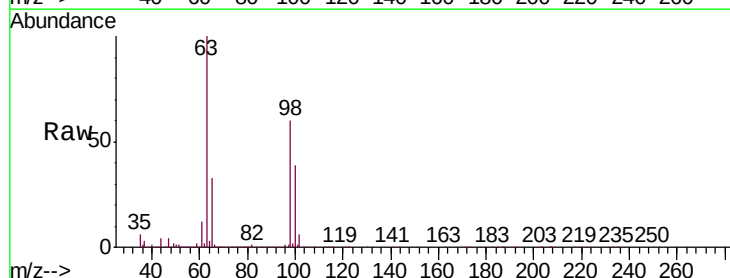
Tgt Ion: 96 Resp: 2215

Ion Ratio Lower Upper

96 100

61 1251.5 117.8 218.8#

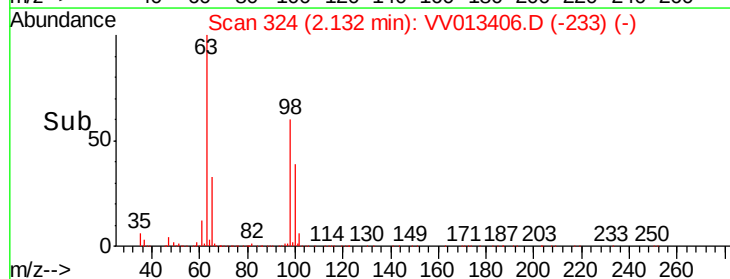
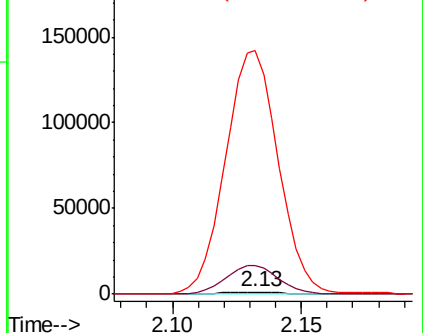
63 10508.9 85.5 158.9#

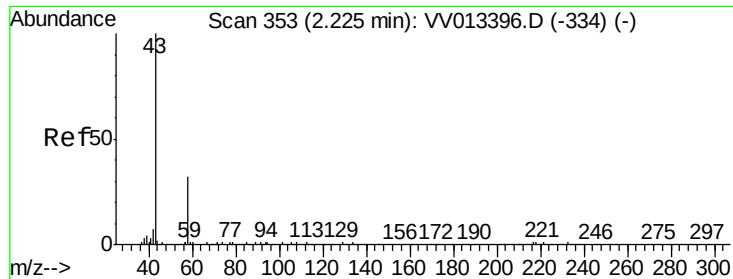


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.420 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Instrument :

MSVOA_V

ClientSampled :

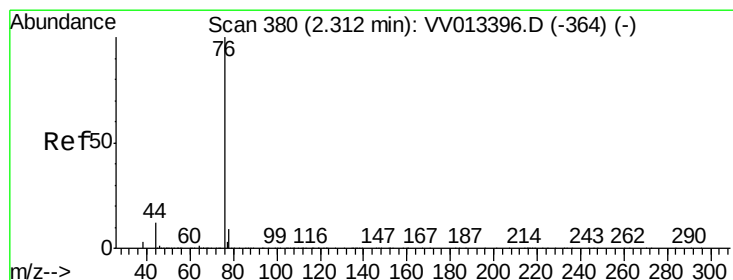
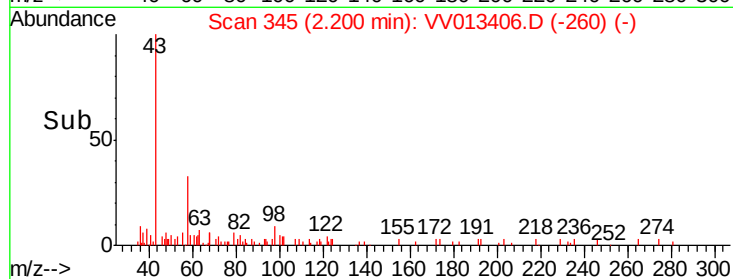
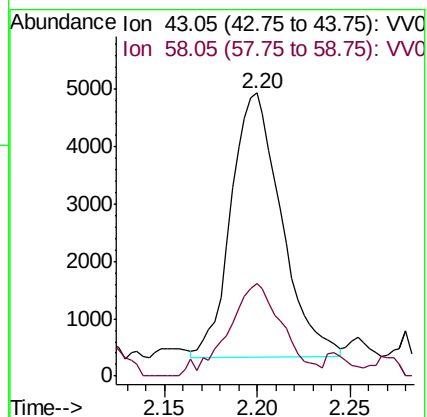
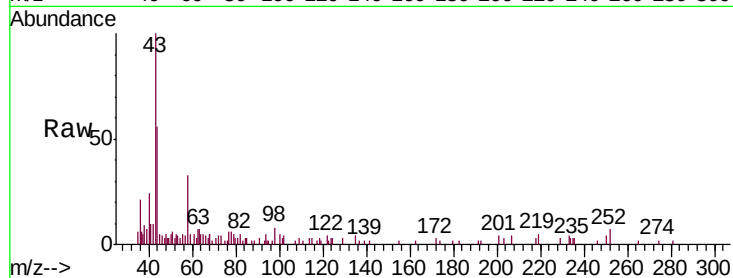
GAQD4

Tgt Ion: 43 Resp: 8687

Ion Ratio Lower Upper

43 100

58 37.9 0.0 59.0



#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013406.D

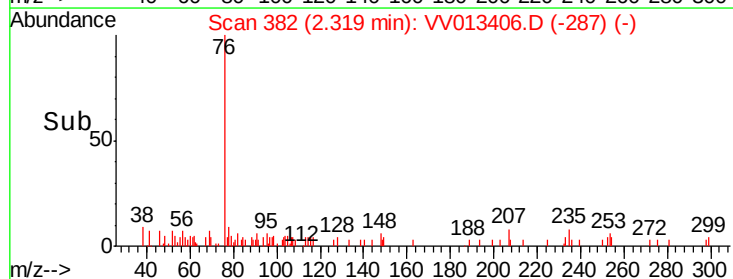
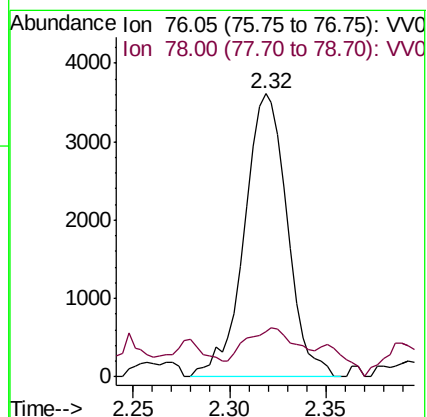
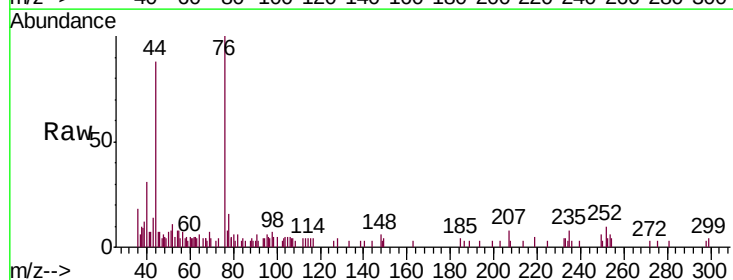
Acq: 29 Oct 2019 20:17

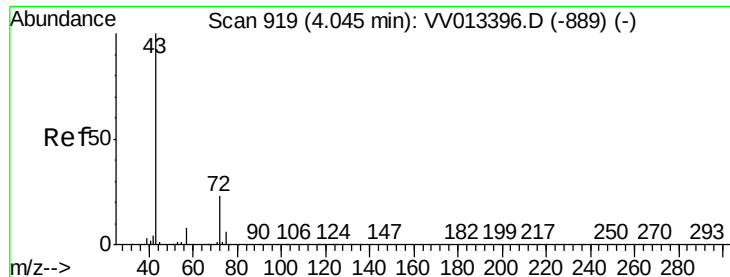
Tgt Ion: 76 Resp: 5578

Ion Ratio Lower Upper

76 100

78 20.6 7.5 11.3#





#21

2-Butanone

Concen: 13.371 ug/L

RT: 4.13 min Scan# 946

Delta R.T. 0.09 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

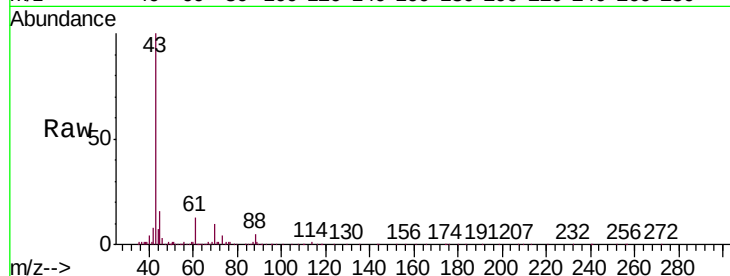
GAQD4

Tgt Ion: 43 Resp: 104559

Ion Ratio Lower Upper

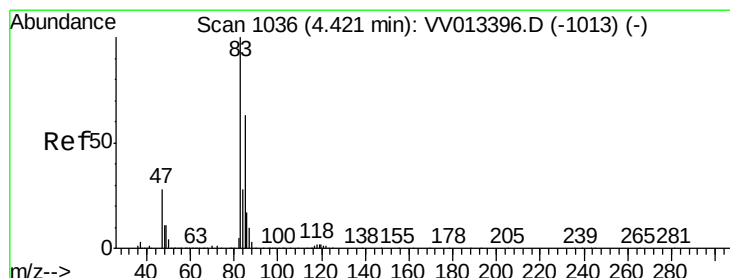
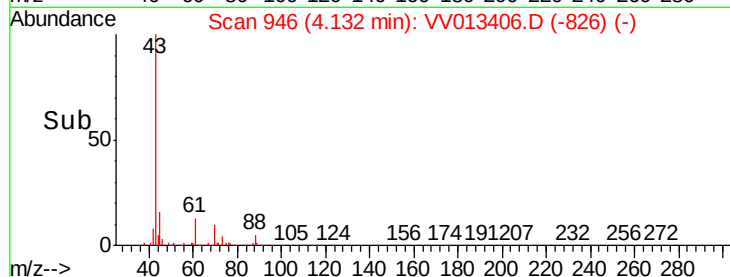
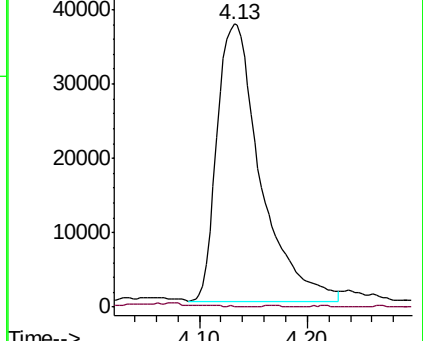
43 100

72 0.3 11.3 33.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#25

Chloroform

Concen: 0.207 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013406.D

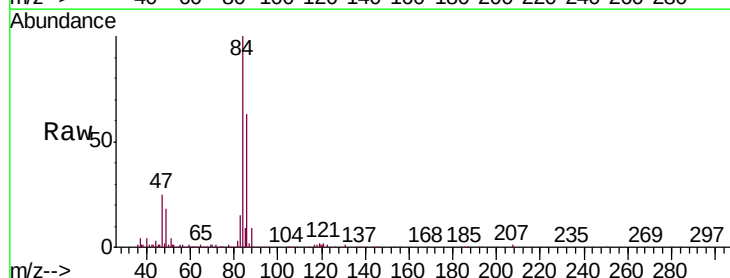
Acq: 29 Oct 2019 20:17

Tgt Ion: 83 Resp: 13891

Ion Ratio Lower Upper

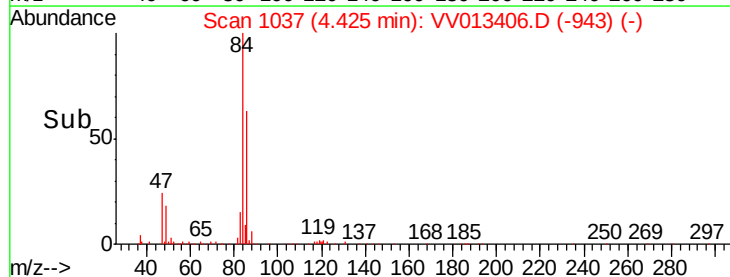
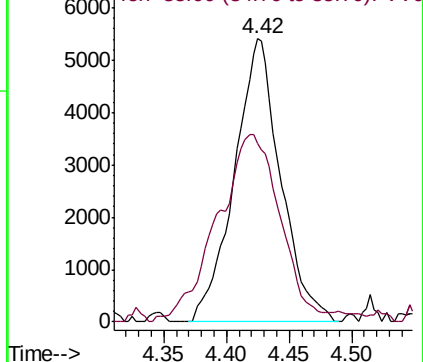
83 100

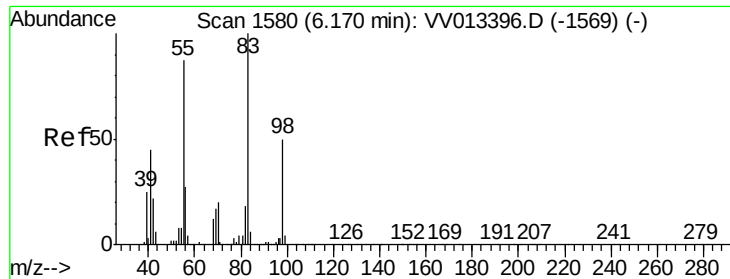
85 63.2 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#35

Methylcyclohexane

Concen: 0.822 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

GAQD4

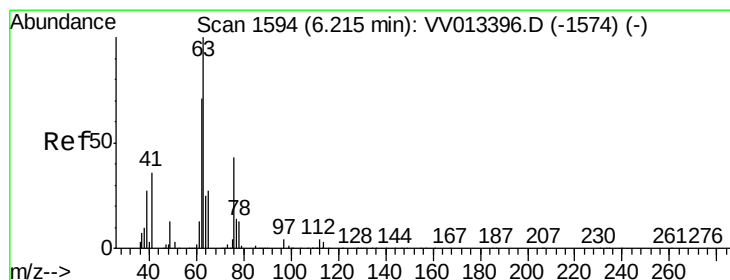
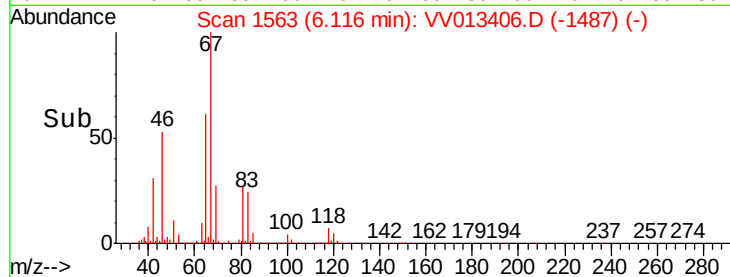
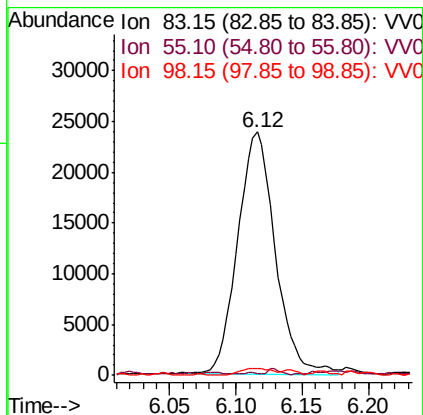
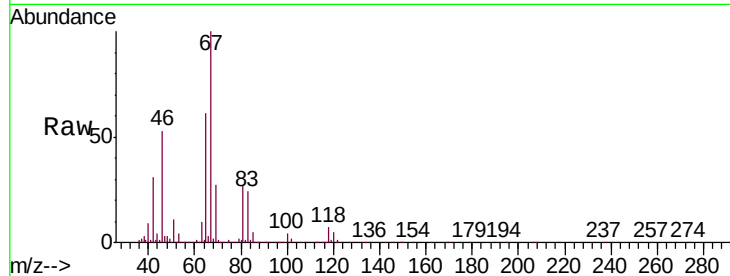
Tgt Ion: 83 Resp: 47091

Ion Ratio Lower Upper

83 100

55 0.4 66.0 99.0#

98 2.4 38.2 57.4#



#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013406.D

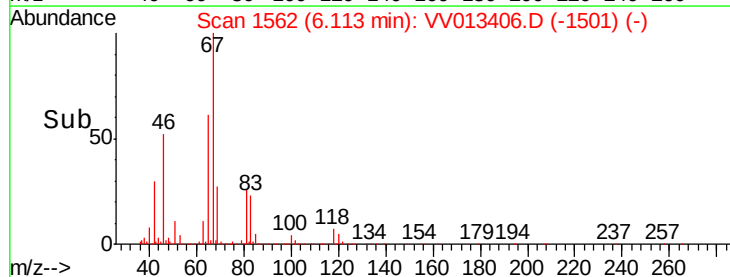
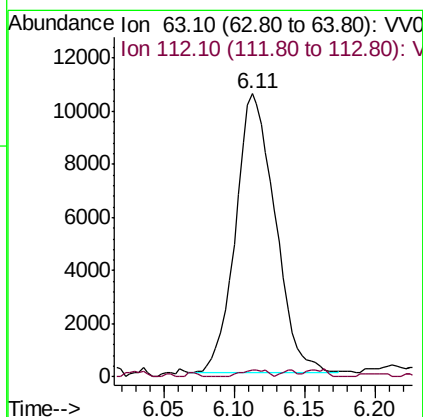
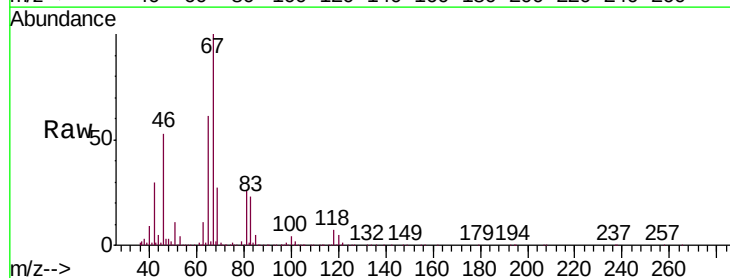
Acq: 29 Oct 2019 20:17

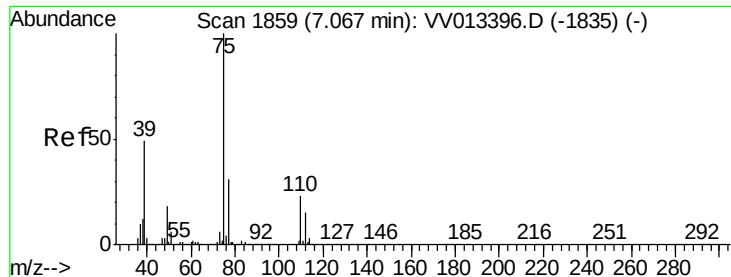
Tgt Ion: 63 Resp: 20549

Ion Ratio Lower Upper

63 100

112 1.6 3.6 5.4#

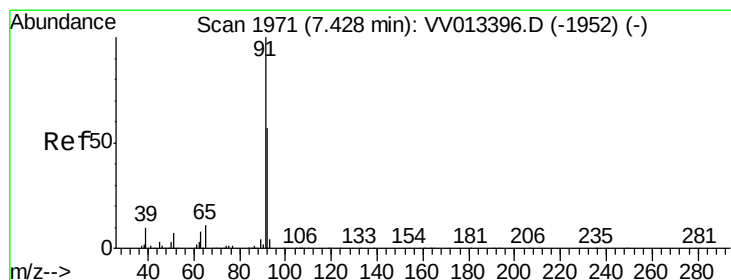
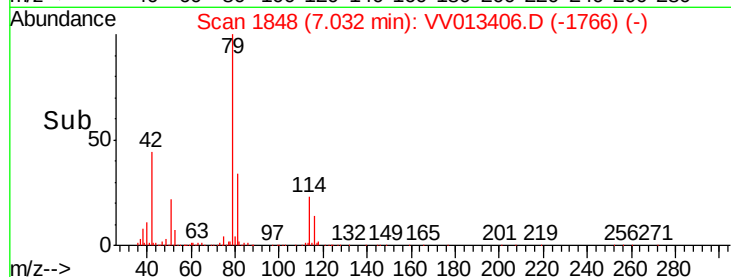
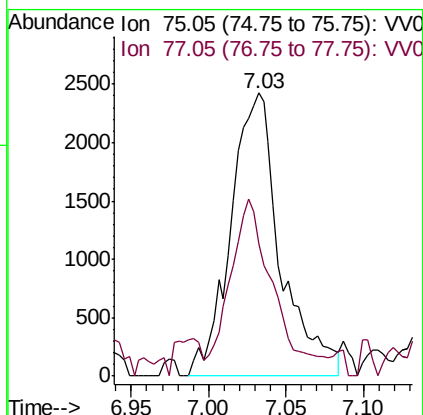
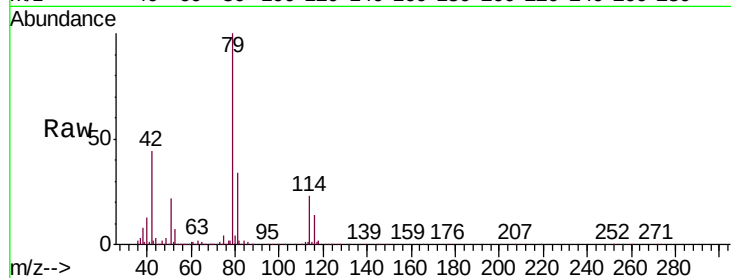




#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV013406.D
 Acq: 29 Oct 2019 20:17

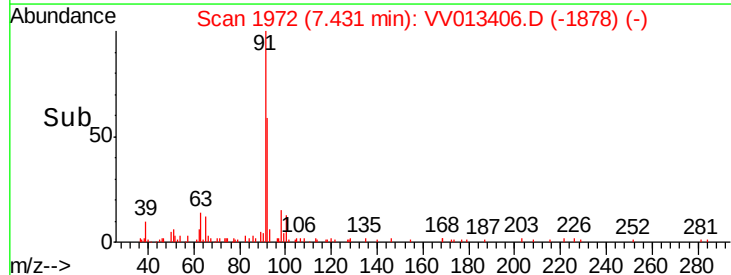
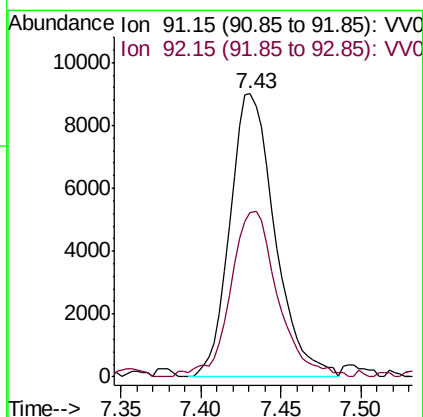
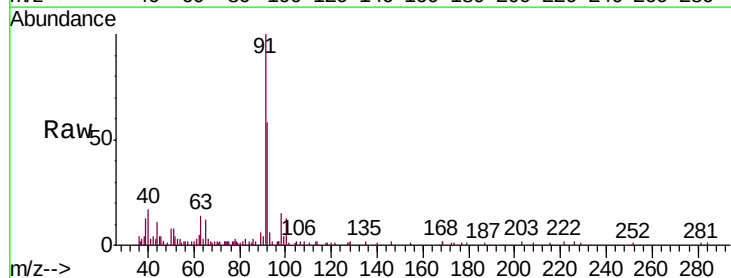
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD4

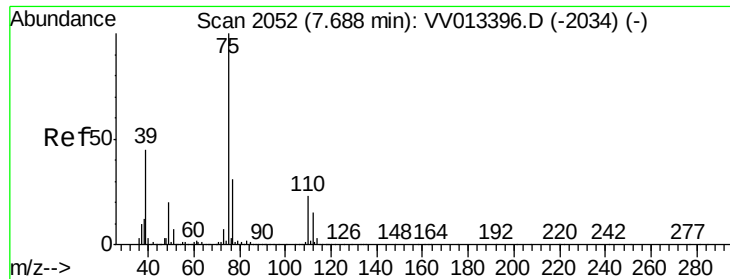
Tgt Ion: 75 Resp: 5435
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.1 39.3#



#42
 Toluene
 Concen: 0.118 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013406.D
 Acq: 29 Oct 2019 20:17

Tgt Ion: 91 Resp: 17256
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

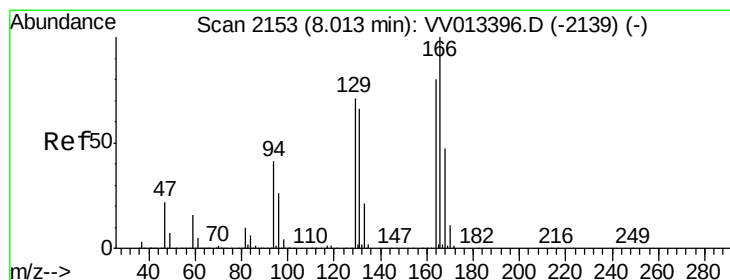
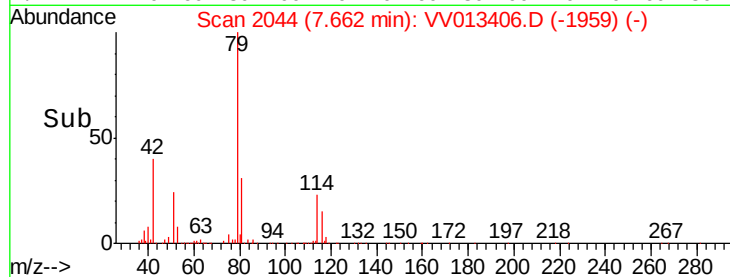
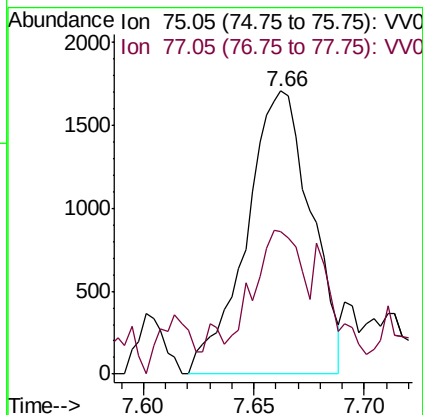
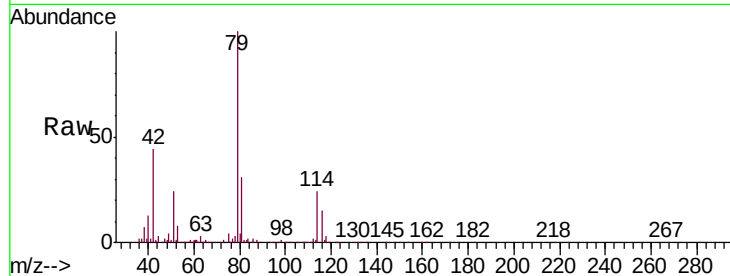
GAQD4

Tgt Ion: 75 Resp: 3469

Ion Ratio Lower Upper

75 100

77 50.3 21.5 39.9#



#47

Tetrachloroethene

Concen: 0.251 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013406.D

Acq: 29 Oct 2019 20:17

Tgt Ion: 164 Resp: 8173

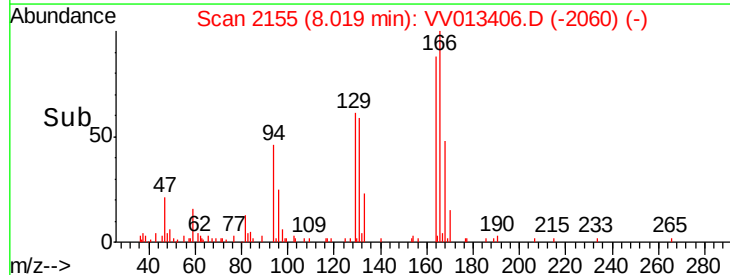
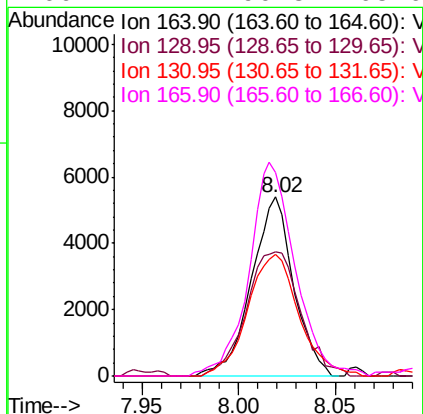
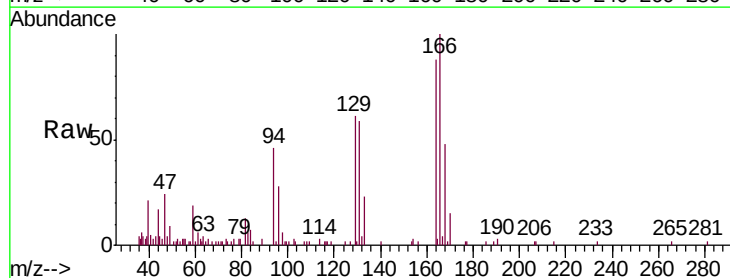
Ion Ratio Lower Upper

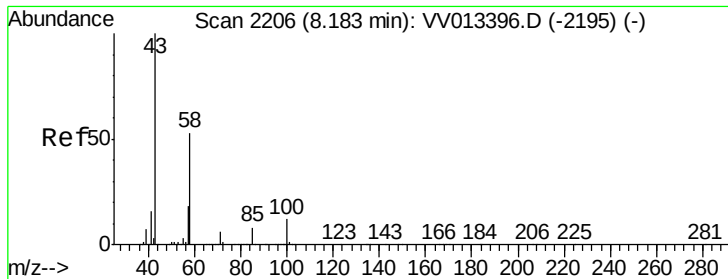
164 100

129 69.4 63.4 117.8

131 67.9 60.3 112.1

166 114.2 90.8 168.6

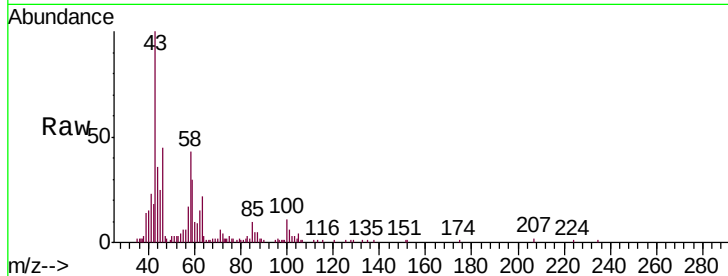




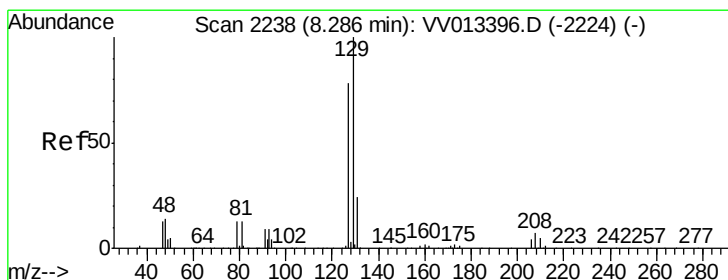
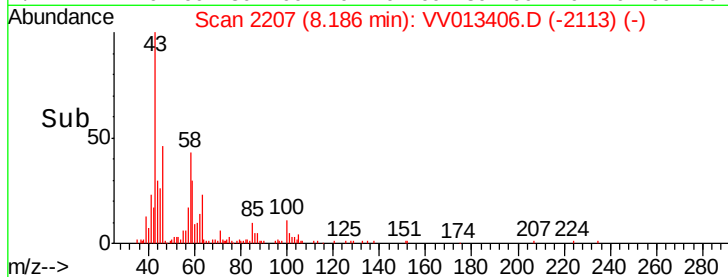
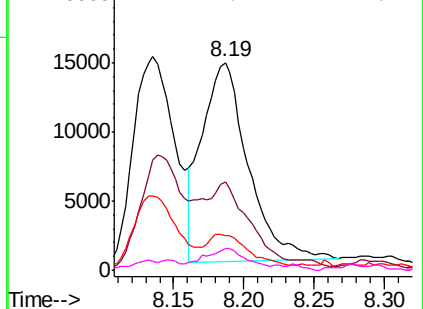
#48
2-Hexanone
Concen: 2.328 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013406.D
Acq: 29 Oct 2019 20:17

Instrument :
MSVOA_V
ClientSampleId :
GAQD4

Tgt Ion: 43 Resp: 32777
Ion Ratio Lower Upper
43 100
58 38.6 43.5 65.3#
57 15.1 14.3 21.5
100 10.3 9.3 13.9

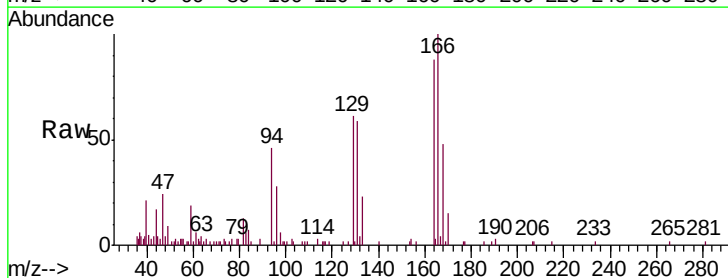


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#49
Dibromochloromethane
Concen: 0.239 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV013406.D
Acq: 29 Oct 2019 20:17

Tgt Ion: 129 Resp: 6971
Ion Ratio Lower Upper
129 100
127 3.7 53.8 100.0#



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

