

Data File : VV013427.D
Acq On : 30 Oct 2019 12:28
Operator : SY/MD
Sample : K5597-04 50X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD5

Quant Time: Oct 31 02:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	372737	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	392543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140579	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	122934	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.13	63	182654	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.96	46	412670	51.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.34%
24) Chloroform-d	4.40	84	315383	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	160673	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.10	84	627356	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.12	67	199063	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	590076	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.66	79	81178	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.13	63	274670	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	140068	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	231822	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
8) Chloroethane	1.52	64	59465	2.547 ug/L #	54
14) Carbon disulfide	2.32	76	5608	0.065 ug/L #	89
15) Methyl Acetate	2.55	43	383307	25.991 ug/L #	55
21) 2-Butanone	3.80	43	51430	5.991 ug/L #	53
25) Chloroform	4.44	83	13684	0.185 ug/L	92
27) 1,2-Dichloroethane	5.10	62	3630	0.089 ug/L	99
30) Cyclohexane	4.72	56	446224	7.308 ug/L	95
33) Benzene	5.14	78	246553	1.681 ug/L	100
35) Methylcyclohexane	6.17	83	885525	14.743 ug/L	94
37) 1,2-Dichloropropane	6.17	63	9315	0.251 ug/L #	1
40) 4-Methyl-2-pentanone	7.30	43	41047	1.966 ug/L #	46
42) Toluene	7.43	91	21400	0.140 ug/L	92
45) 1,1,2-Trichloroethane	7.83	97	114290	4.629 ug/L #	21
48) 2-Hexanone	8.13	43	80009	5.419 ug/L #	29
52) Ethylbenzene	9.05	91	648903	4.002 ug/L	100
53) m,p-xylene	9.18	106	129076	2.155 ug/L	95
56) Isopropylbenzene	9.97	105	162642	1.043 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

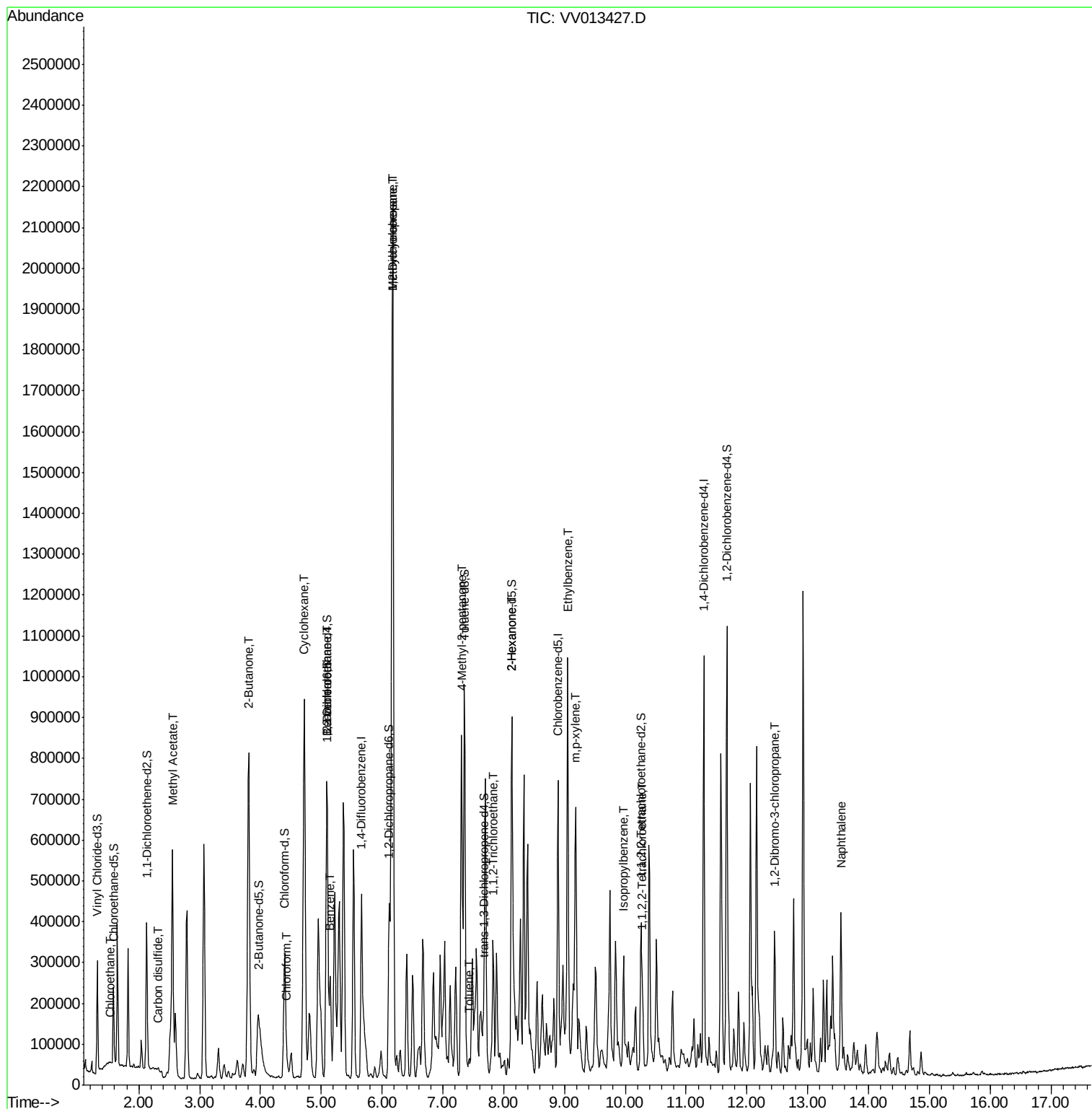
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,1,2,2-Tetrachloroethane	10.28	83	13817	0.528	ug/L #	39
66) 1,2-Dibromo-3-chloropropan	12.46	75	2158	0.521	ug/L #	4
69) Naphthalene	13.55	128	295993	4.423	ug/L	98

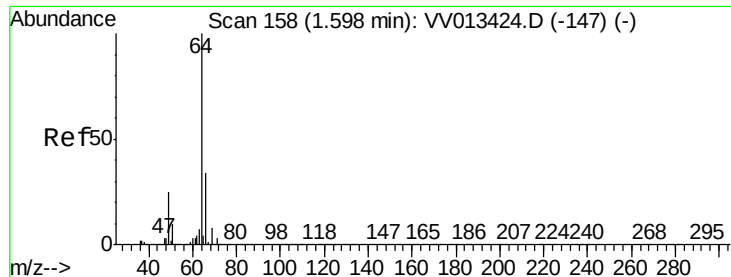
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 2.547 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.08 min

Lab File: VV013427.D

Acq: 30 Oct 2019 12:28

Instrument :

MSVOA_V

ClientSampleId :

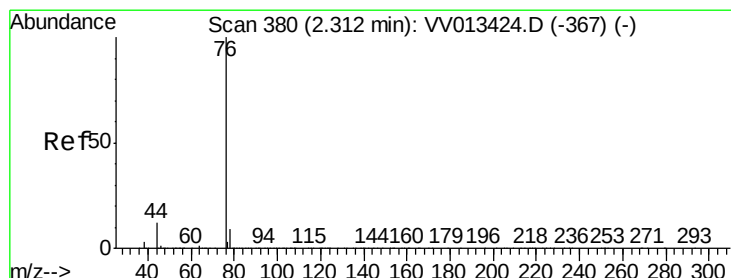
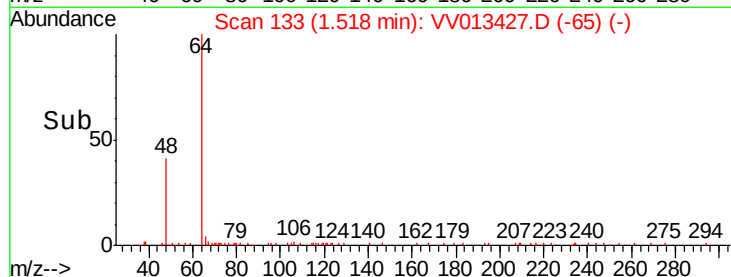
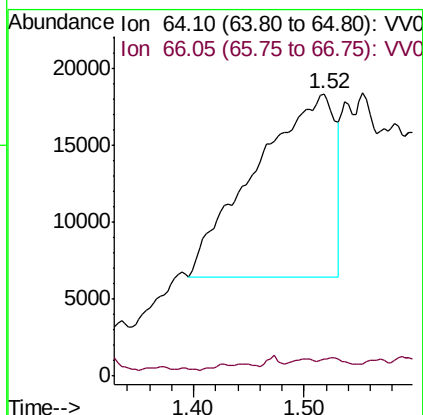
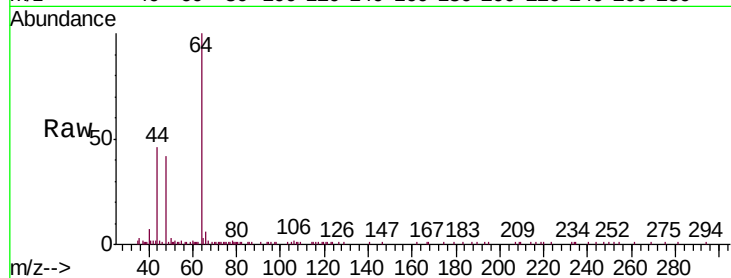
GAQD5

Tgt Ion: 64 Resp: 59465

Ion Ratio Lower Upper

64 100

66 5.9 22.0 41.0#



#14

Carbon disulfide

Concen: 0.065 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013427.D

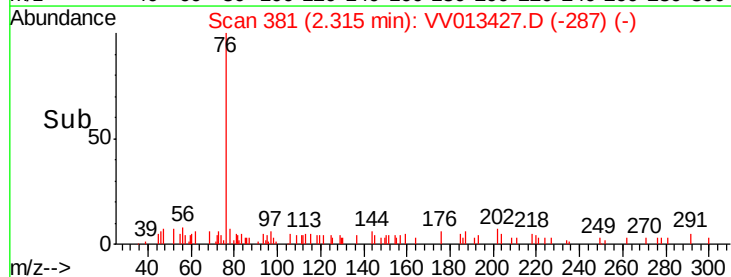
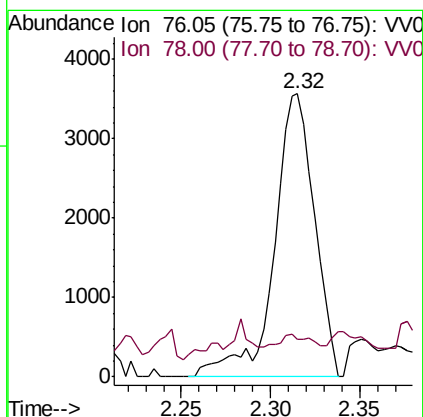
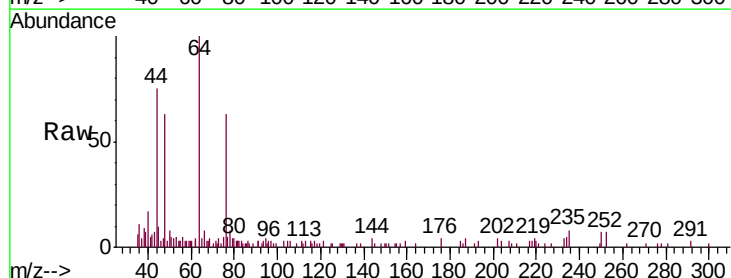
Acq: 30 Oct 2019 12:28

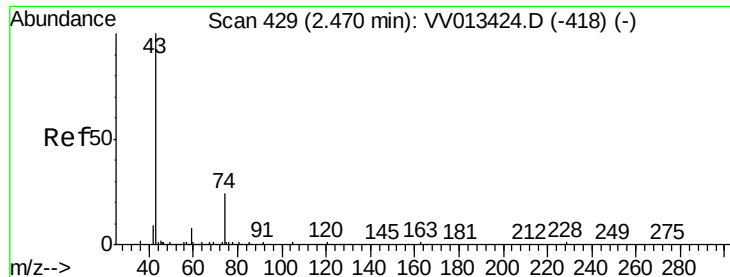
Tgt Ion: 76 Resp: 5608

Ion Ratio Lower Upper

76 100

78 13.3 7.5 11.3#

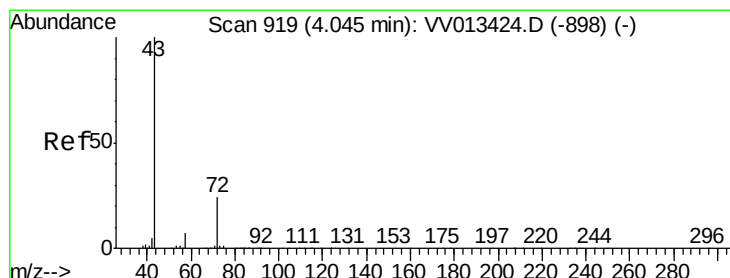
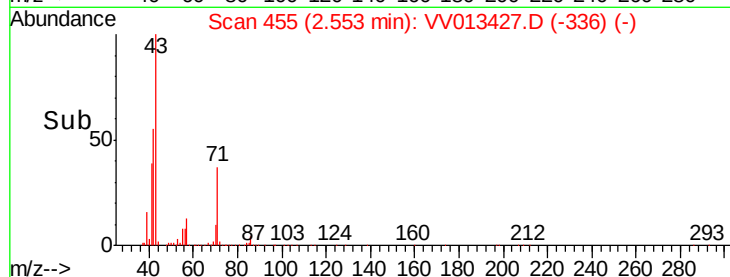
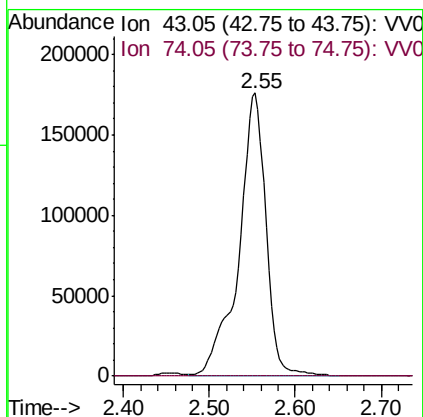
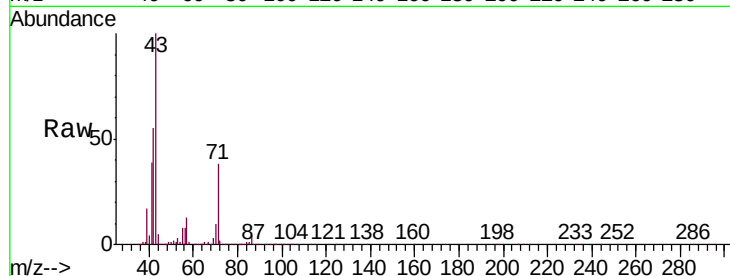




#15
Methyl Acetate
Concen: 25.991 ug/L
RT: 2.55 min Scan# 455
Delta R.T. 0.08 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

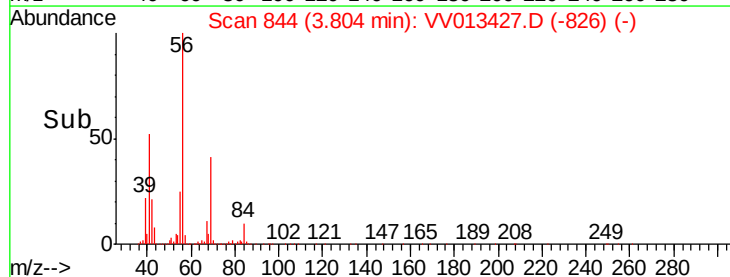
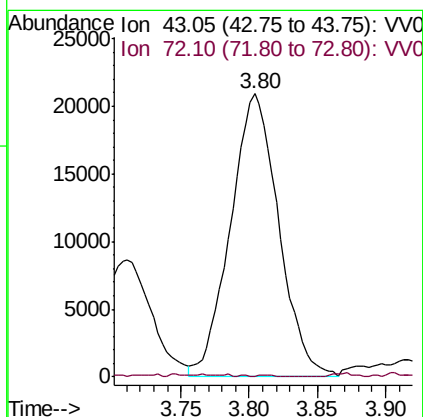
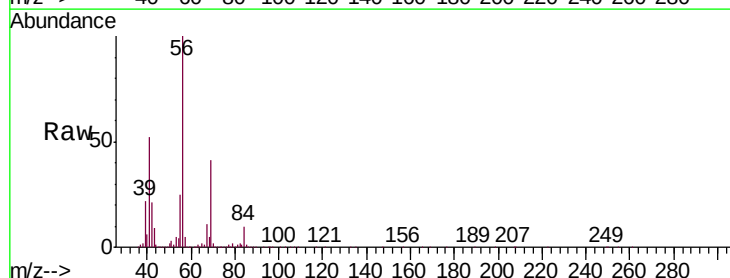
Instrument :
MSVOA_V
ClientSampleId :
GAQD5

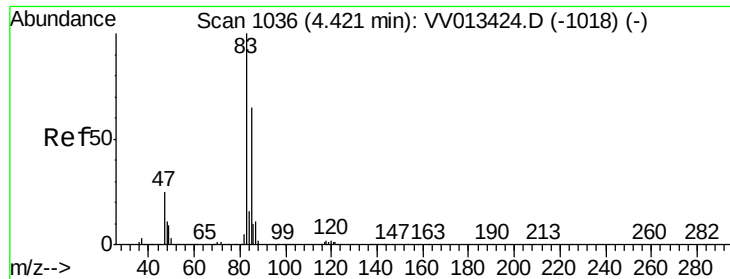
Tgt Ion: 43 Resp: 383307
Ion Ratio Lower Upper
43 100
74 0.1 17.0 25.6#



#21
2-Butanone
Concen: 5.991 ug/L
RT: 3.80 min Scan# 844
Delta R.T. -0.24 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Tgt Ion: 43 Resp: 51430
Ion Ratio Lower Upper
43 100
72 0.2 11.3 33.9#

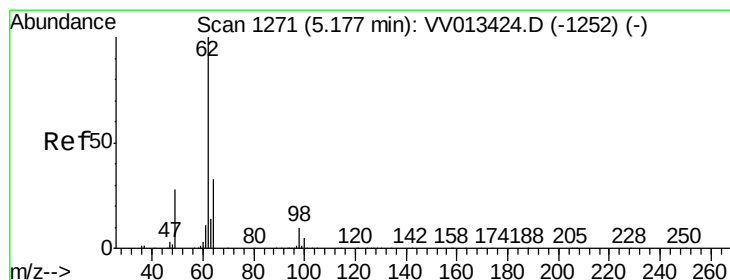
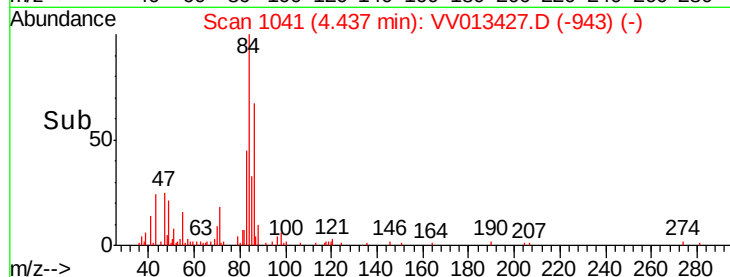
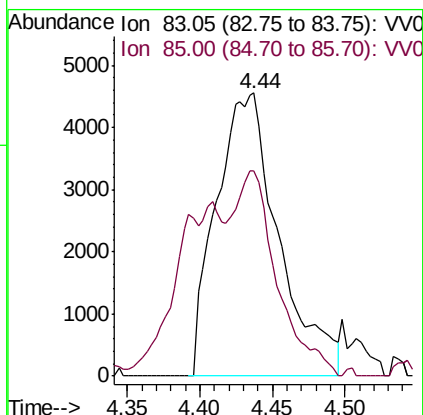
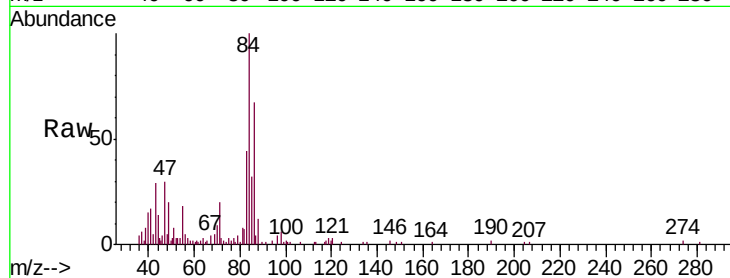




#25
Chloroform
Concen: 0.185 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.02 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

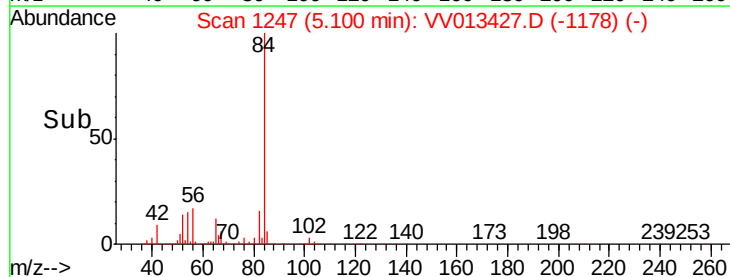
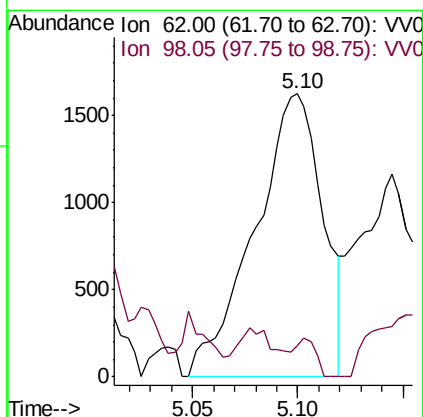
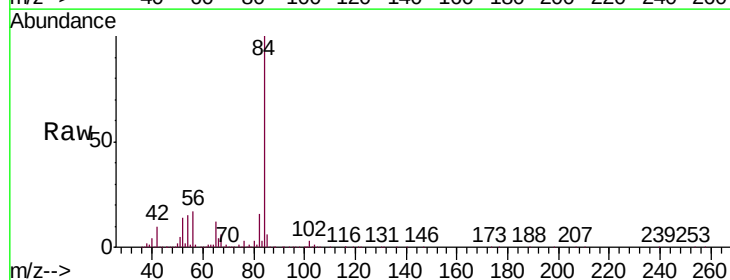
Instrument :
MSVOA_V
ClientSampleId :
GAQD5

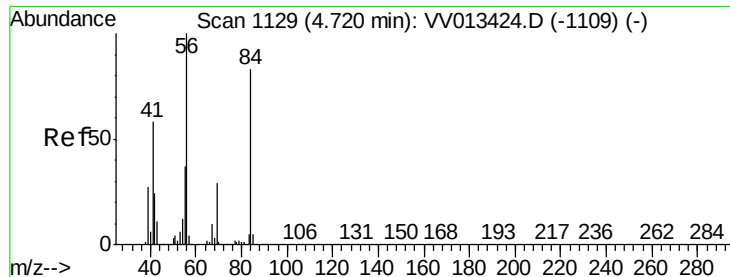
Tgt Ion: 83 Resp: 13684
Ion Ratio Lower Upper
83 100
85 72.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.089 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.08 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Tgt Ion: 62 Resp: 3630
Ion Ratio Lower Upper
62 100
98 11.0 8.6 12.8

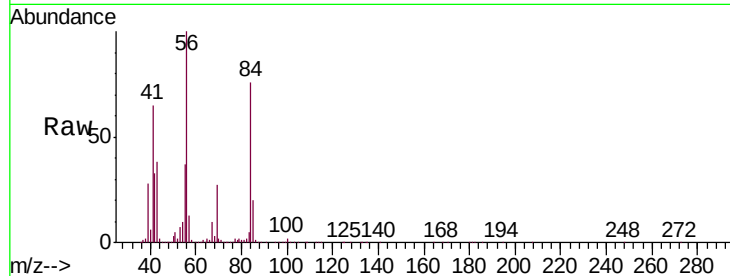




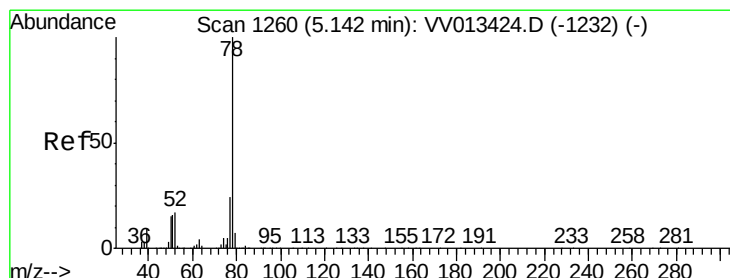
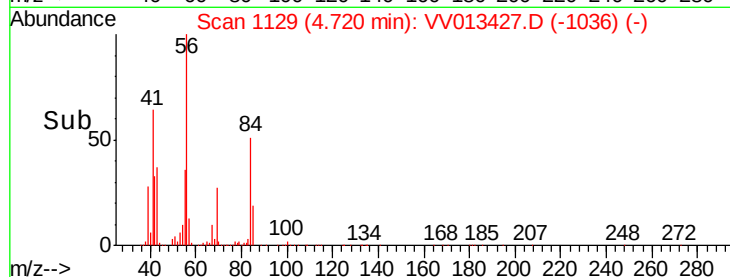
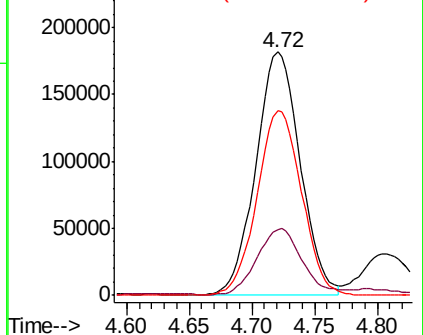
#30
Cyclohexane
Concen: 7.308 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Instrument :
MSVOA_V
ClientSampleId :
GAQD5

Tgt Ion: 56 Resp: 446224
Ion Ratio Lower Upper
56 100
69 28.1 22.7 34.1
84 76.4 65.5 98.3

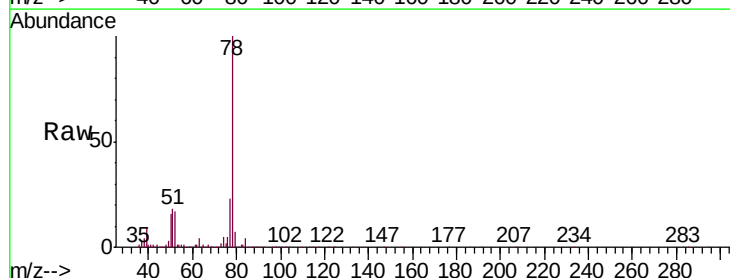


Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

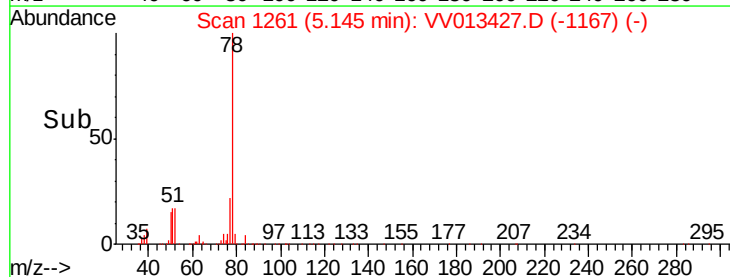
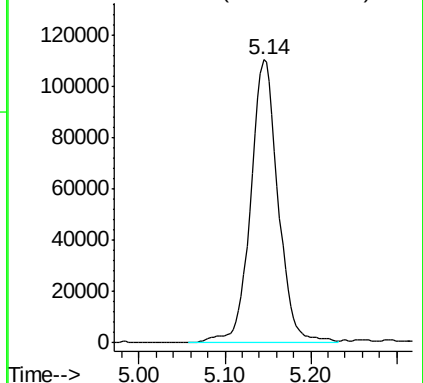


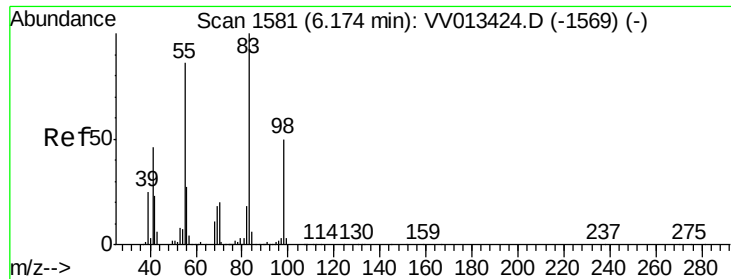
#33
Benzene
Concen: 1.681 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Tgt Ion: 78 Resp: 246553



Abundance Ion 78.10 (77.80 to 78.80): VV0

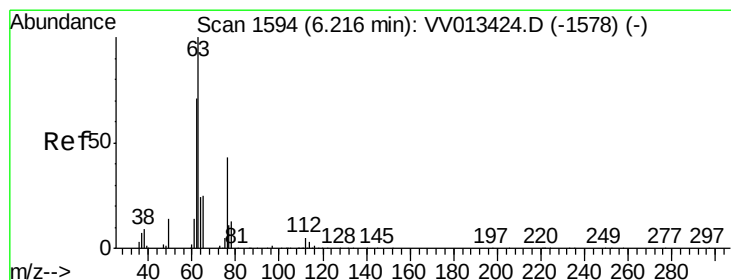
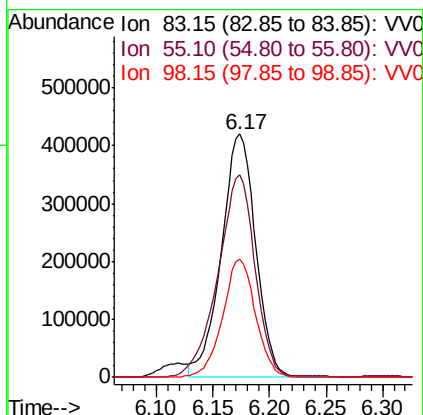
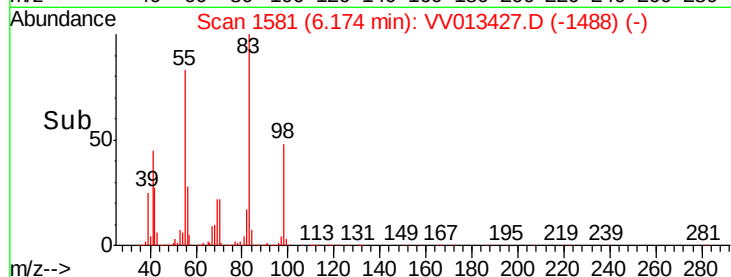
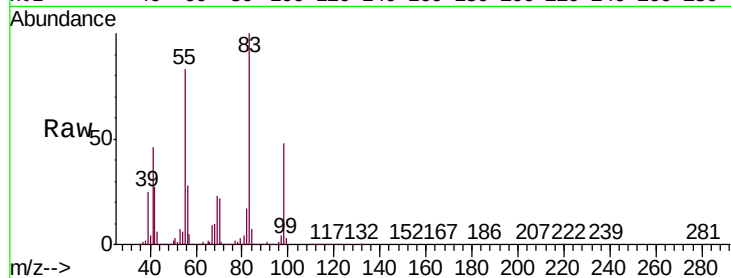




#35
Methylcyclohexane
Concen: 14.743 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

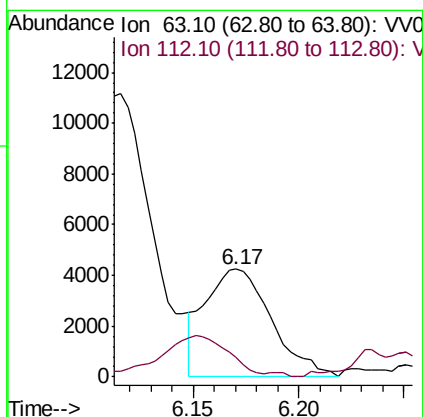
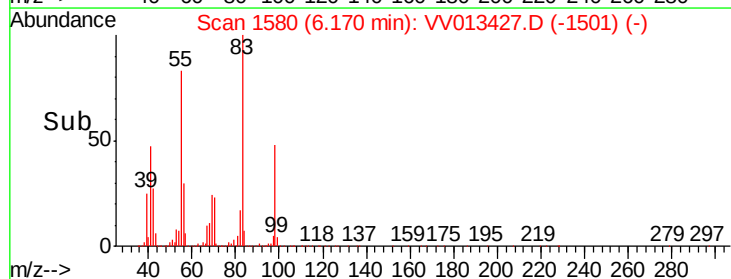
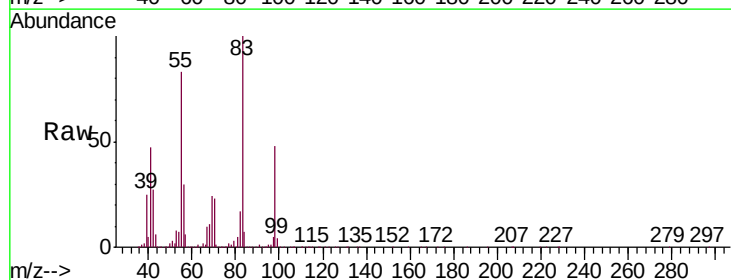
Instrument :
MSVOA_V
ClientSampled :
GAQD5

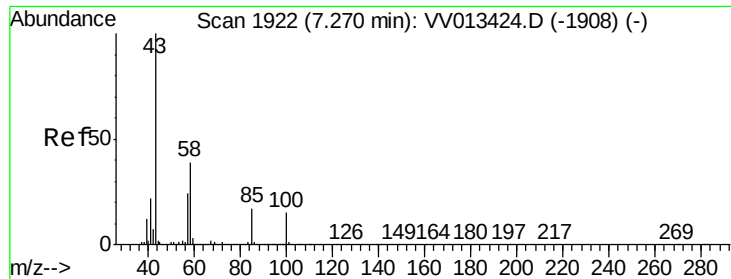
Tgt Ion: 83 Resp: 885525
Ion Ratio Lower Upper
83 100
55 89.9 66.0 99.0
98 46.7 38.2 57.4



#37
1,2-Dichloropropane
Concen: 0.251 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.05 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Tgt Ion: 63 Resp: 9315
Ion Ratio Lower Upper
63 100
112 41.0 3.6 5.4#

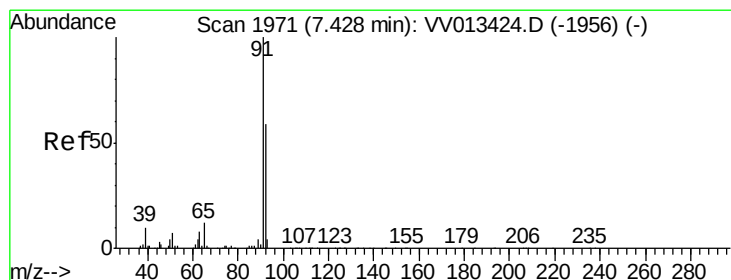
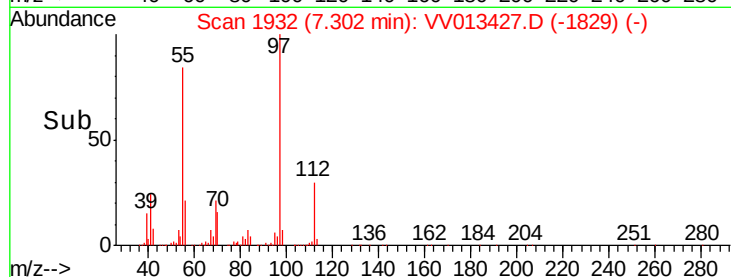
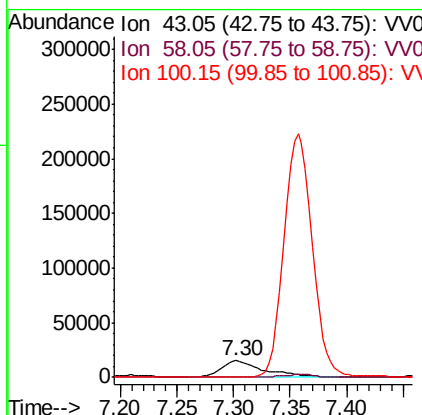
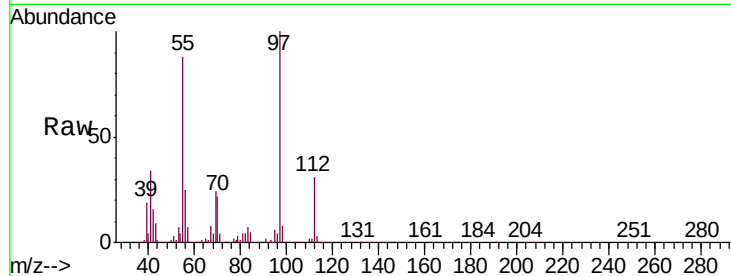




#40
4-Methyl-2-pentanone
Concen: 1.966 ug/L
RT: 7.30 min Scan# 1932
Delta R.T. 0.03 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

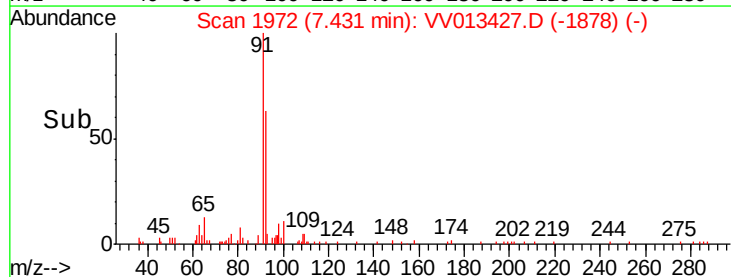
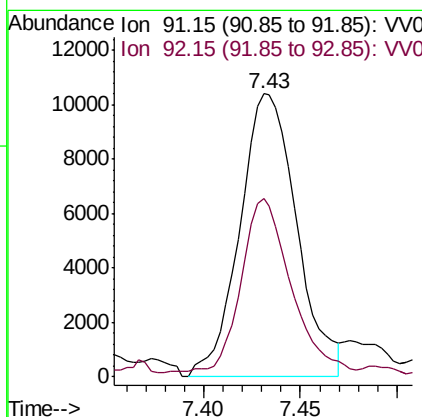
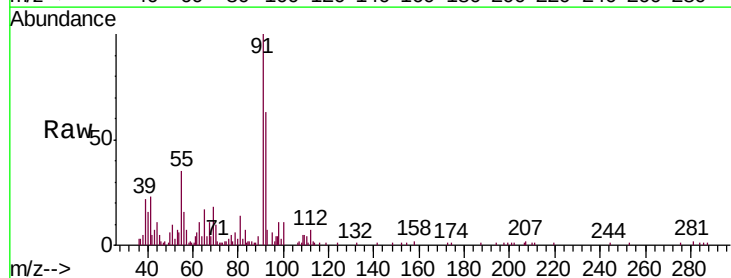
Instrument :
MSVOA_V
ClientSampleId :
GAQD5

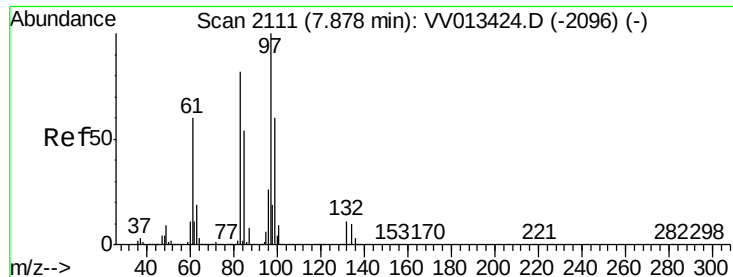
Tgt Ion: 43 Resp: 41047
Ion Ratio Lower Upper
43 100
58 0.7 29.8 44.8#
100 0.0 11.6 17.4#



#42
Toluene
Concen: 0.140 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013427.D
Acq: 30 Oct 2019 12:28

Tgt Ion: 91 Resp: 21400
Ion Ratio Lower Upper
91 100
92 63.2 40.3 74.8

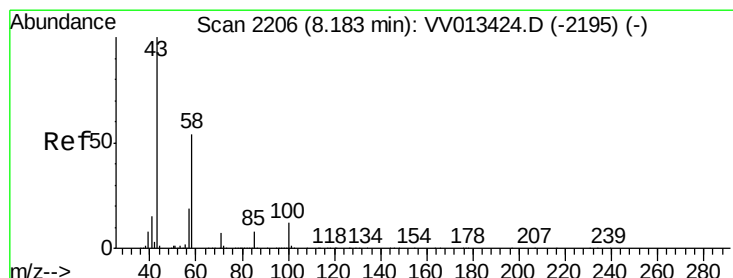
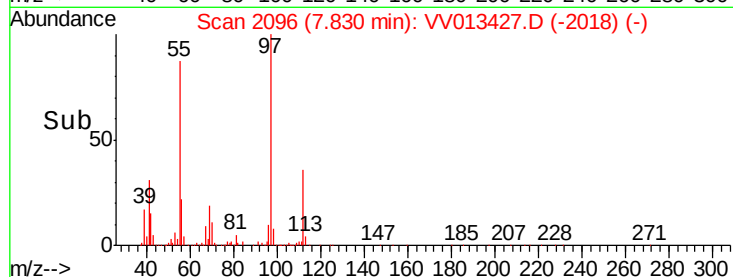
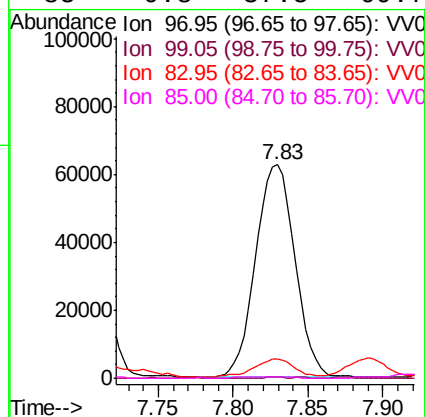
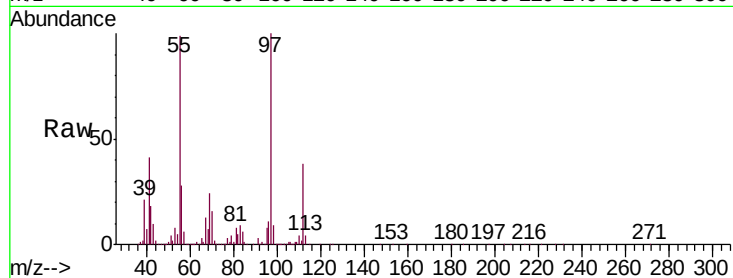




#45
 1,1,2-Trichloroethane
 Concen: 4.629 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.05 min
 Lab File: VV013427.D
 Acq: 30 Oct 2019 12:28

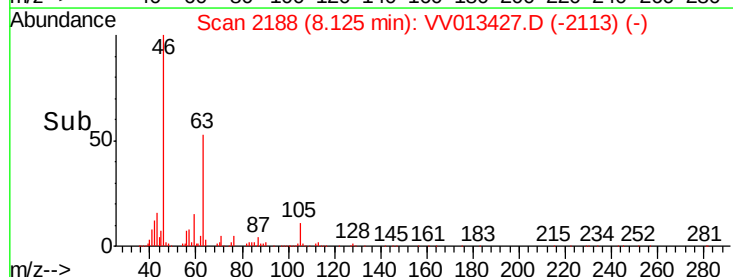
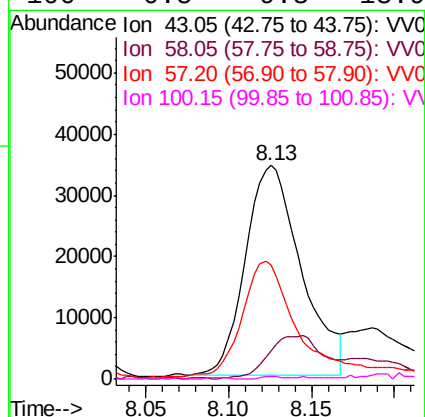
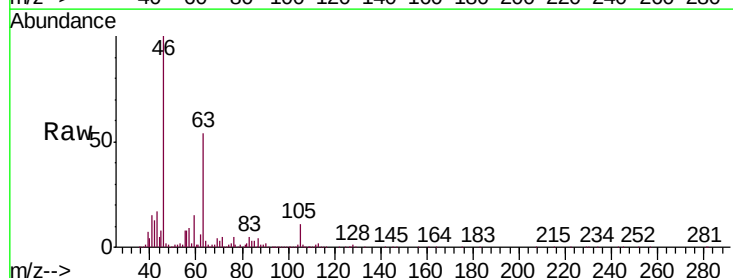
Instrument :
 MSVOA_V
 ClientSampleID :
 GAQD5

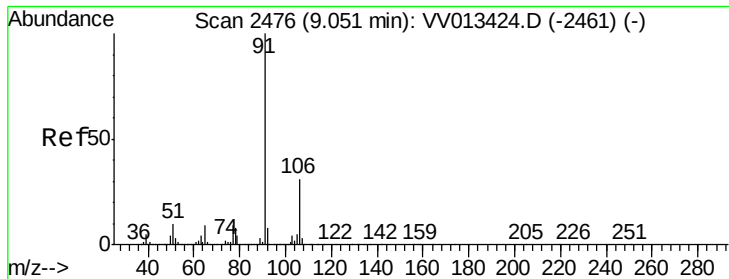
Tgt Ion:	97	Resp:	114290
Ion	Ratio	Lower	Upper
97	100		
99	0.5	41.6	77.3#
83	8.9	58.7	109.1#
85	0.8	37.5	69.7#



#48
 2-Hexanone
 Concen: 5.419 ug/L
 RT: 8.13 min Scan# 2188
 Delta R.T. -0.06 min
 Lab File: VV013427.D
 Acq: 30 Oct 2019 12:28

Tgt Ion:	43	Resp:	80009
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.5	65.3#
57	54.2	14.3	21.5#
100	0.5	9.3	13.9#





#52

Ethylbenzene

Concen: 4.002 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013427.D

Acq: 30 Oct 2019 12:28

Instrument :

MSVOA_V

ClientSampleId :

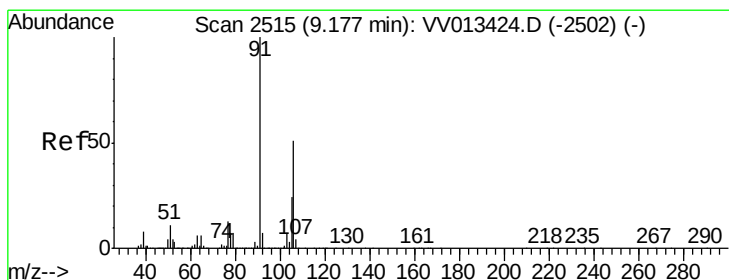
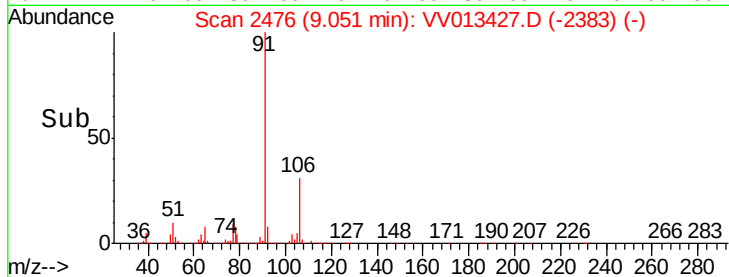
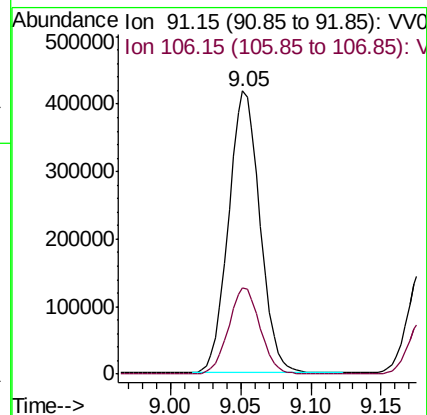
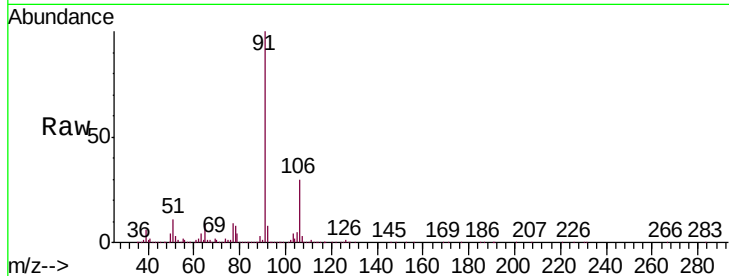
GAQD5

Tgt Ion: 91 Resp: 648903

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#53

m,p-xylene

Concen: 2.155 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013427.D

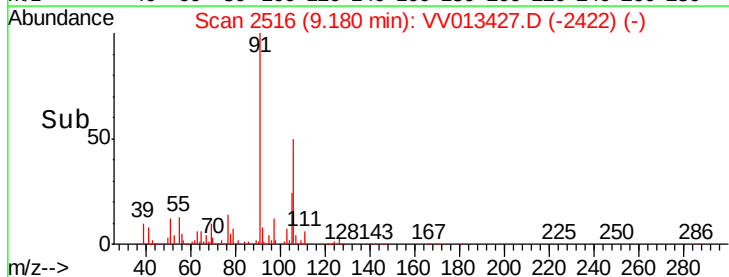
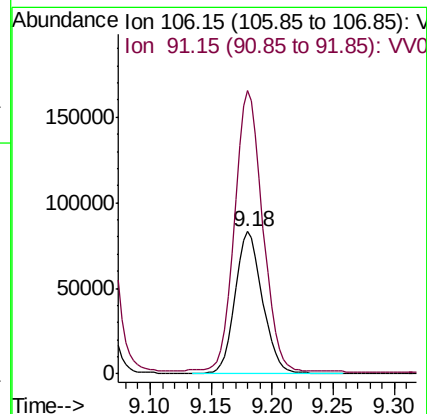
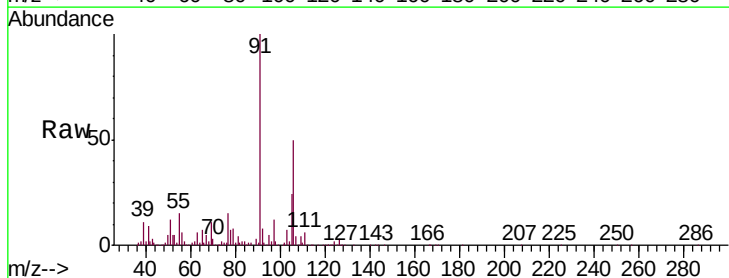
Acq: 30 Oct 2019 12:28

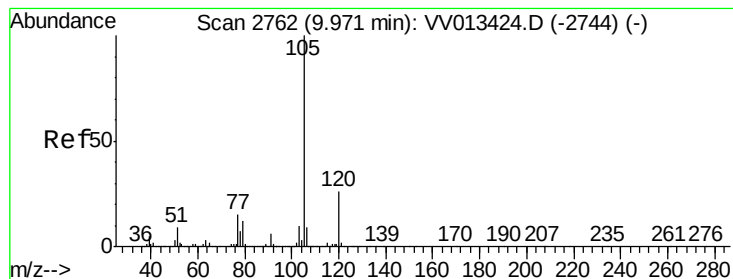
Tgt Ion: 106 Resp: 129076

Ion Ratio Lower Upper

106 100

91 198.8 144.3 267.9





#56

Isopropylbenzene

Concen: 1.043 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013427.D

Acq: 30 Oct 2019 12:28

Instrument :

MSVOA_V

ClientSampled :

GAQD5

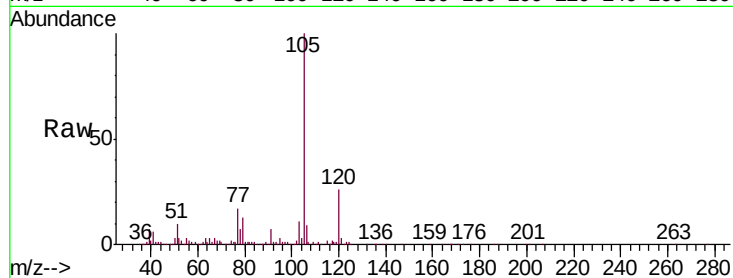
Tgt Ion: 105 Resp: 162642

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

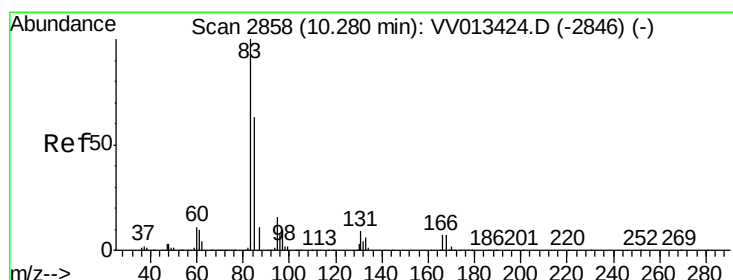
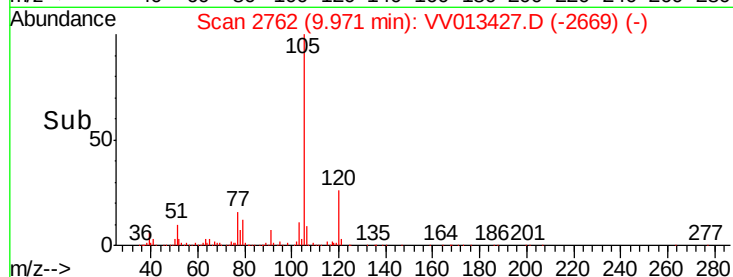
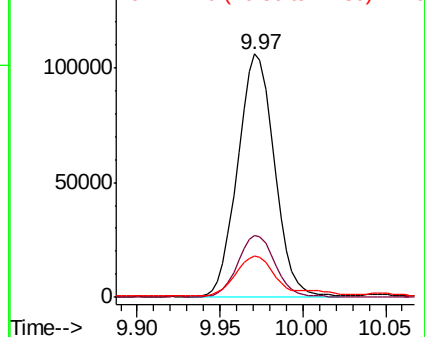
77 17.8 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.528 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013427.D

Acq: 30 Oct 2019 12:28

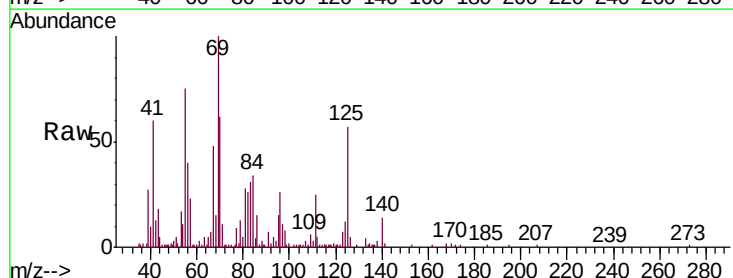
Tgt Ion: 83 Resp: 13817

Ion Ratio Lower Upper

83 100

85 12.2 44.5 82.7#

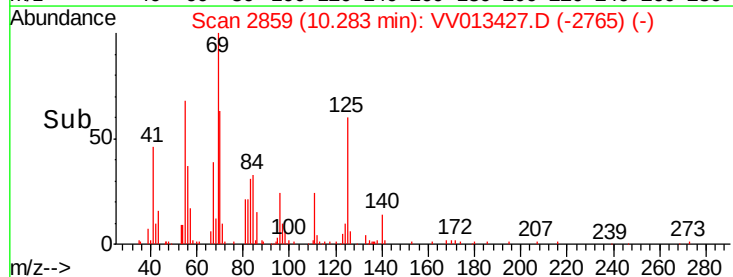
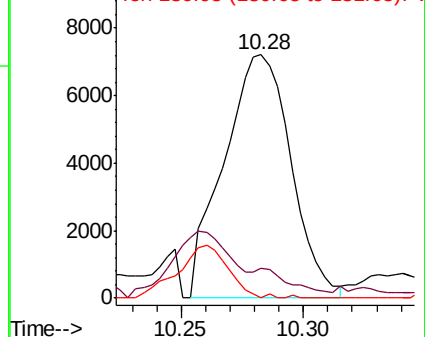
131 0.0 8.2 12.2#

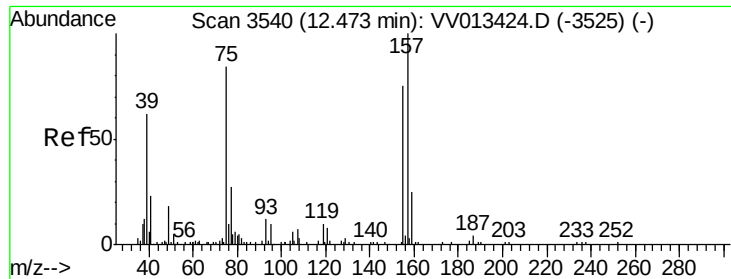


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

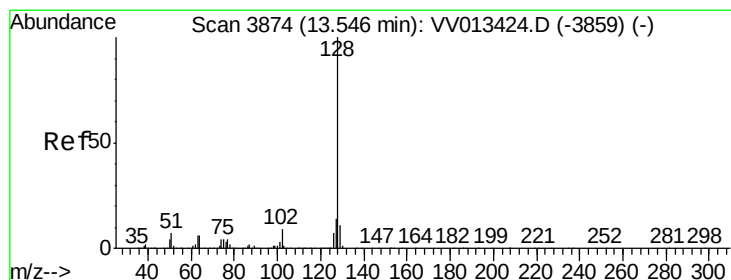
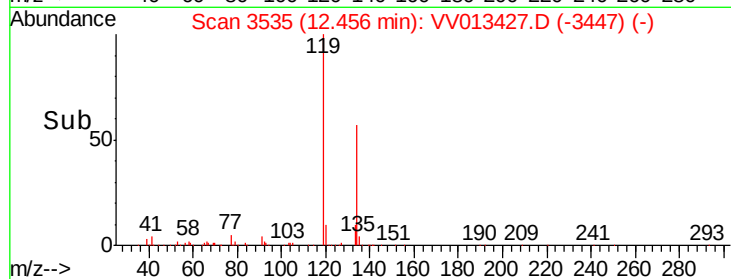
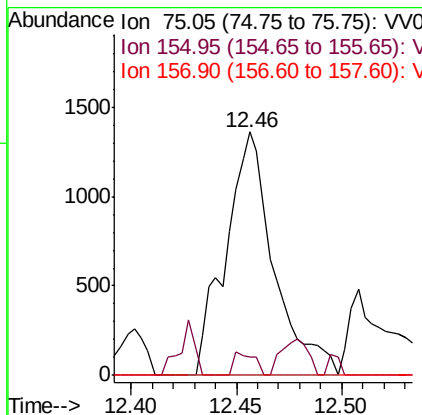
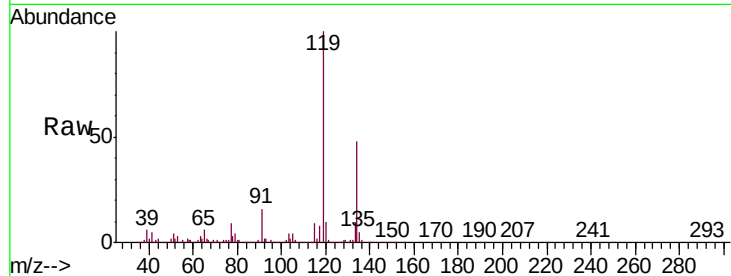




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.521 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. -0.02 min
 Lab File: VV013427.D
 Acq: 30 Oct 2019 12:28

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD5

Tgt Ion: 75 Resp: 2158
 Ion Ratio Lower Upper
 75 100
 155 7.7 70.6 105.8#
 157 0.0 85.8 128.8#



#69
 Naphthalene
 Concen: 4.423 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV013427.D
 Acq: 30 Oct 2019 12:28

Tgt Ion: 128 Resp: 295993
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.7 13.1
 127 13.0 10.6 16.0

