

Data File : VV011427.D
Acq On : 12 Jun 2019 18:17
Operator : SY/MD
Sample : K3310-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM06

Quant Time: Jun 13 02:36:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 13 02:32:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133275	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	118725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45650	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47810	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	34975	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.12	63	79409	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.97	46	118215	52.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	4.40	84	90969	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.08	65	51260	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.09	84	179517	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	54300	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	155631	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.67	79	15089	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	8.14	63	88421	50.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35233	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	47641	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

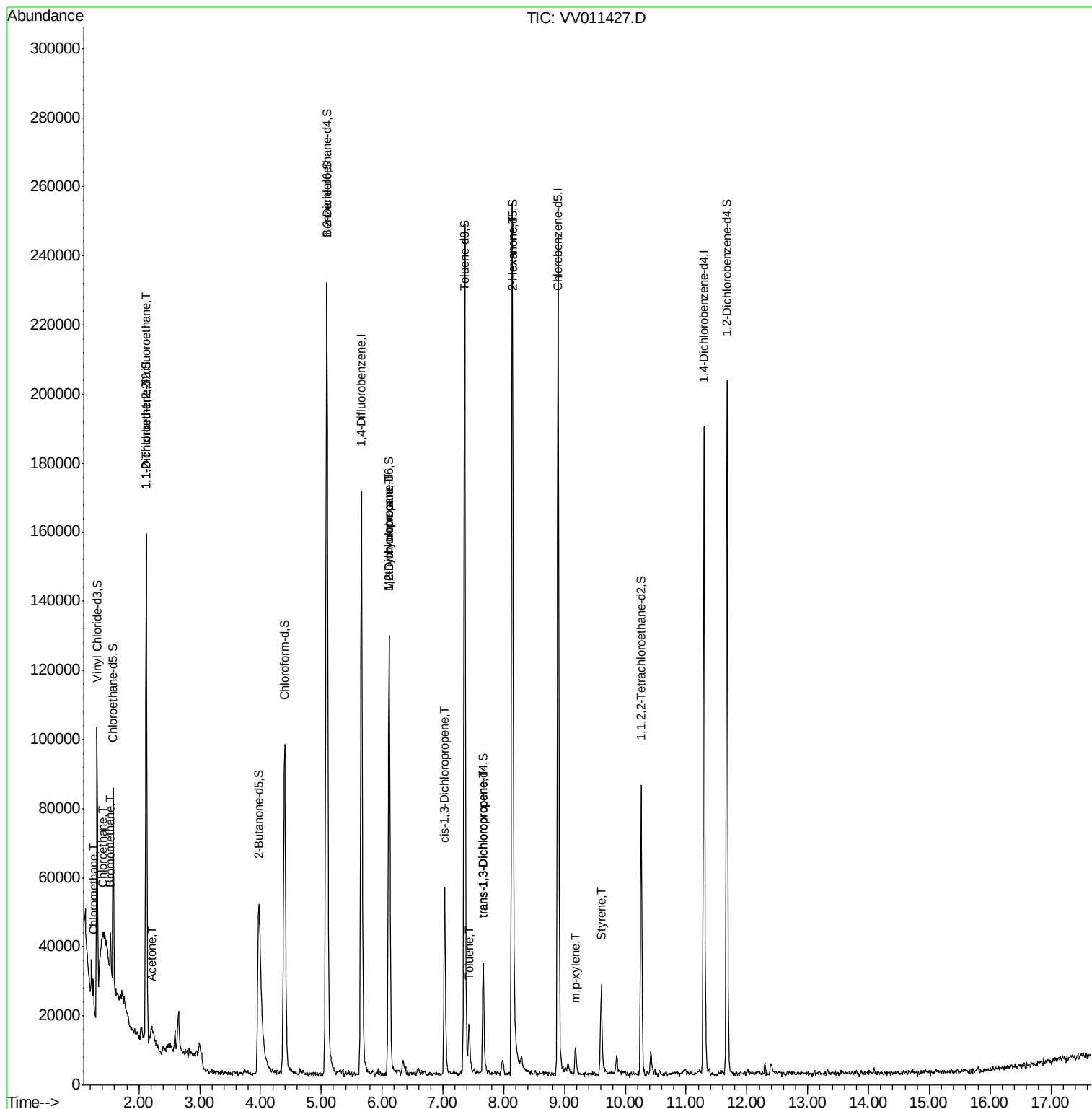
					Qvalue
3) Chloromethane	1.25	50	5414	0.426 ug/L	99
6) Bromomethane	1.53	94	5397	0.846 ug/L	90
8) Chloroethane	1.41	64	69118	8.821 ug/L #	57
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	741	0.086 ug/L #	24
12) 1,1-Dichloroethene	2.12	96	929	0.111 ug/L #	1
13) Acetone	2.22	43	4146	2.720 ug/L	91
35) Methylcyclohexane	6.12	83	13102	0.812 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7222	0.768 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	2000	0.145 ug/L #	76
42) Toluene	7.43	91	8102	0.201 ug/L	91
44) trans-1,3-Dichloropropene	7.66	75	839	0.080 ug/L	95
48) 2-Hexanone	8.14	43	12034	2.882 ug/L #	75
53) m,p-xylene	9.19	106	1771	0.107 ug/L	77
55) Styrene	9.60	104	11551	0.437 ug/L	98

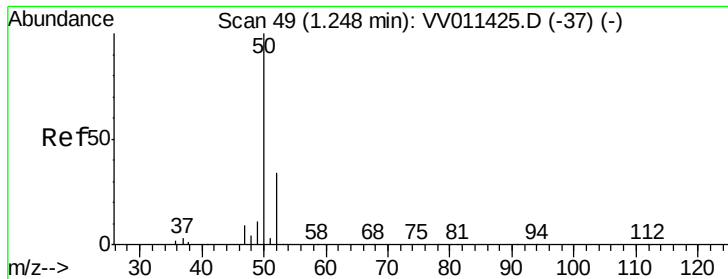
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.426 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011427.D

Acq: 12 Jun 2019 18:17

Instrument :

MSVOA_V

ClientSampled :

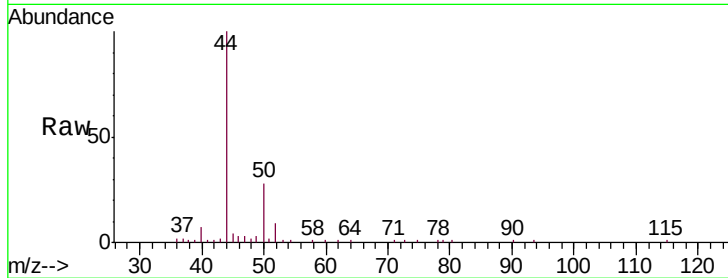
COM06

Tgt Ion: 50 Resp: 5414

Ion Ratio Lower Upper

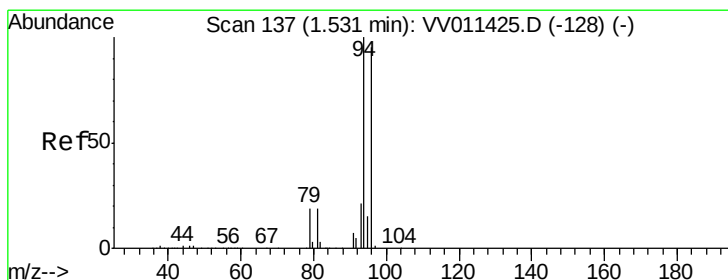
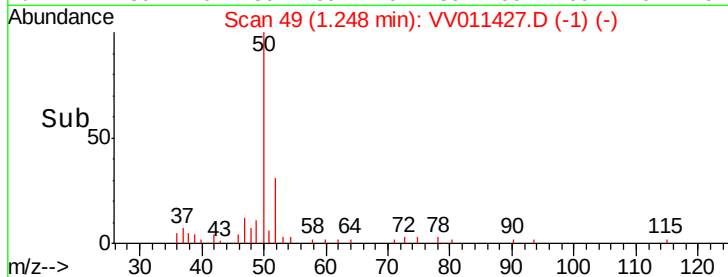
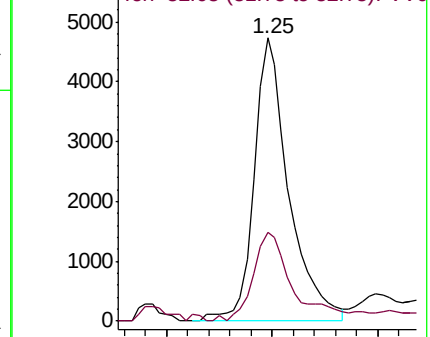
50 100

52 31.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.846 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011427.D

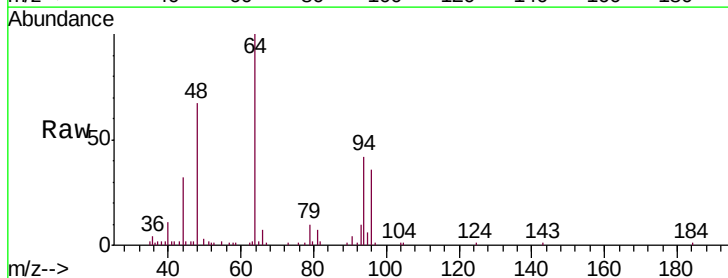
Acq: 12 Jun 2019 18:17

Tgt Ion: 94 Resp: 5397

Ion Ratio Lower Upper

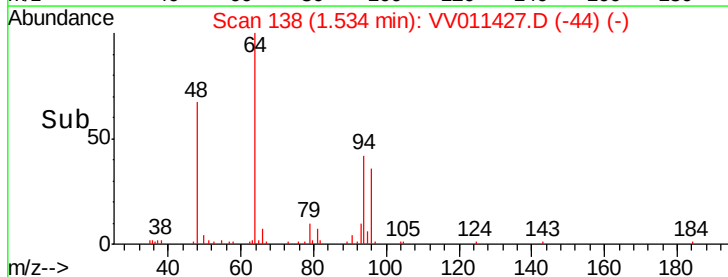
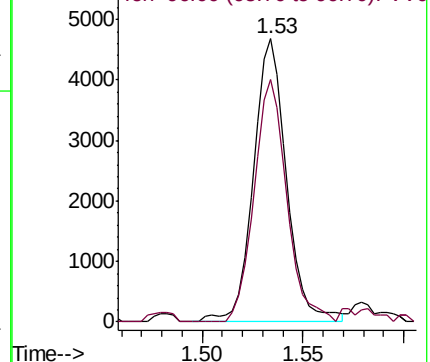
94 100

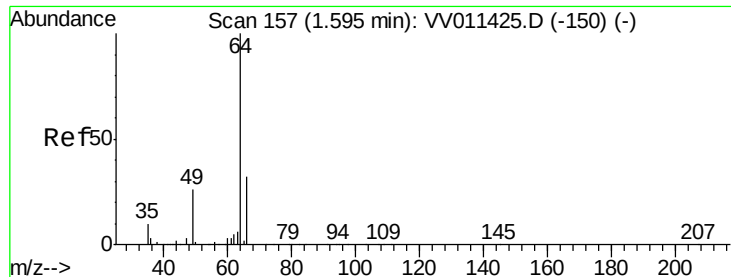
96 85.5 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.821 ug/L

RT: 1.41 min Scan# 99

Delta R.T. -0.19 min

Lab File: VV011427.D

Acq: 12 Jun 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

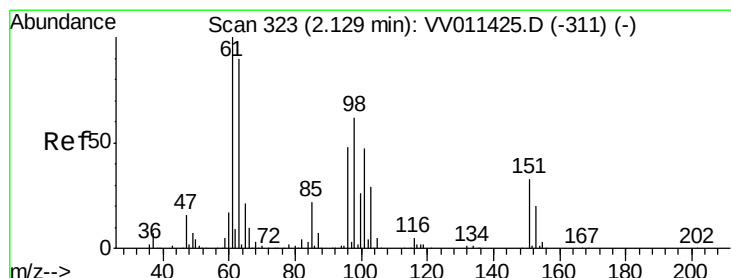
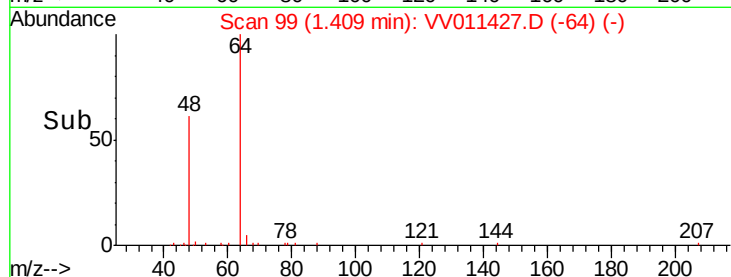
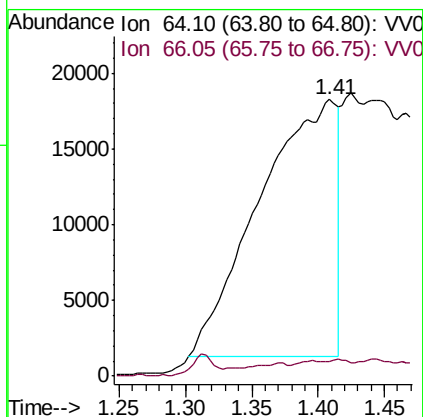
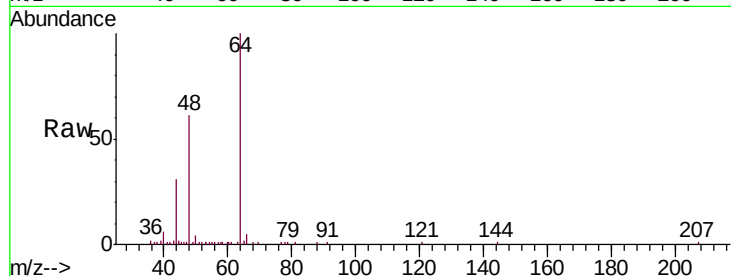
COM06

Tgt Ion: 64 Resp: 69118

Ion Ratio Lower Upper

64 100

66 5.3 19.4 36.0#



#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011427.D

Acq: 12 Jun 2019 18:17

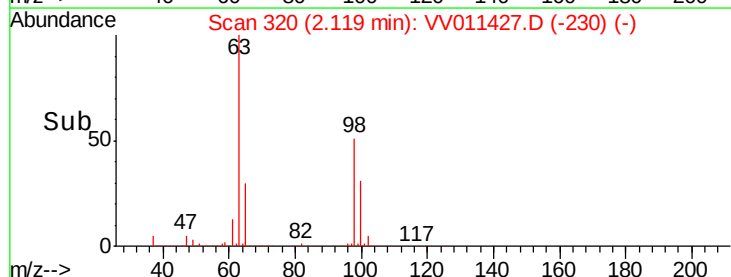
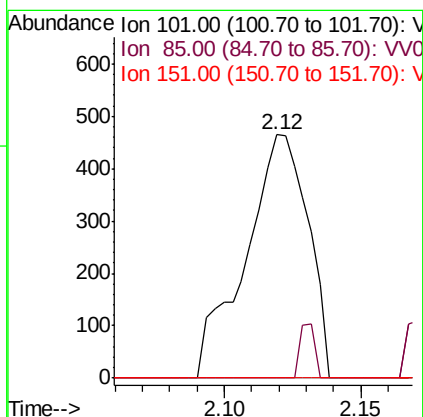
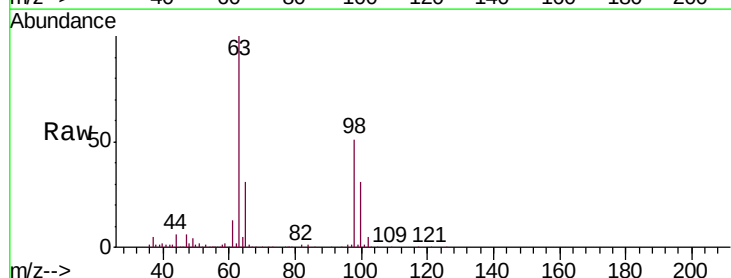
Tgt Ion: 101 Resp: 741

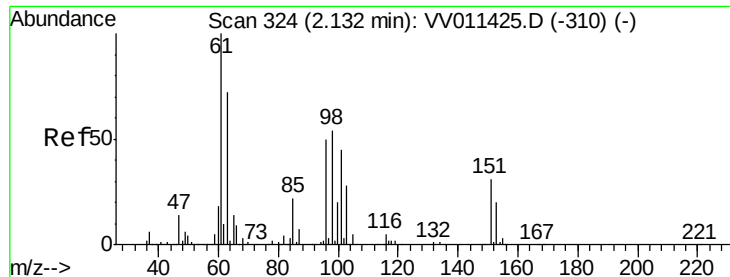
Ion Ratio Lower Upper

101 100

85 5.4 35.5 53.3#

151 0.0 56.9 85.3#

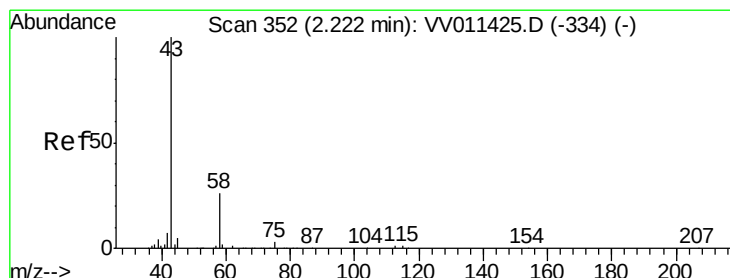
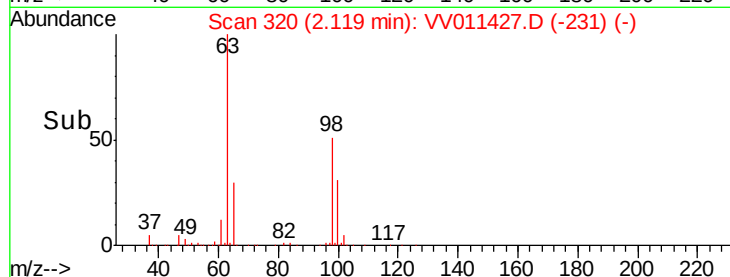
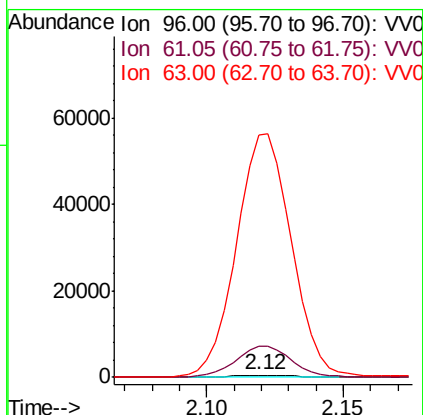
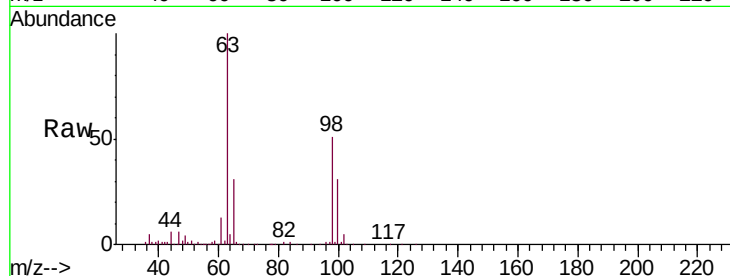




#12
1,1-Dichloroethene
Concen: 0.111 ug/L
RT: 2.12 min Scan# 320
Delta R.T. -0.01 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

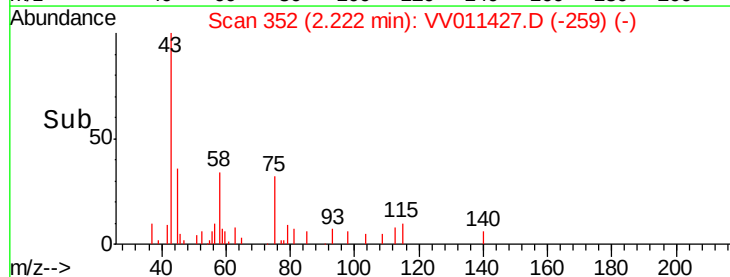
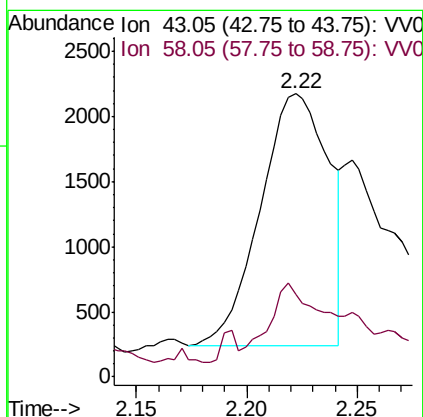
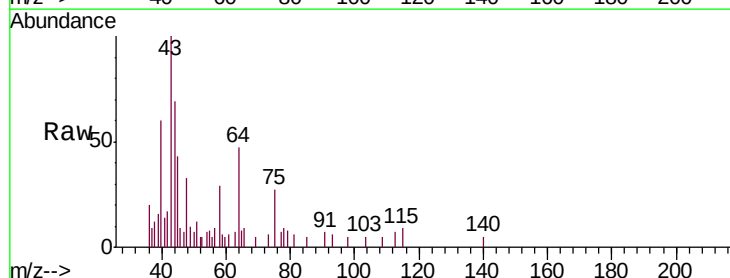
Instrument :
MSVOA_V
ClientSampled :
COM06

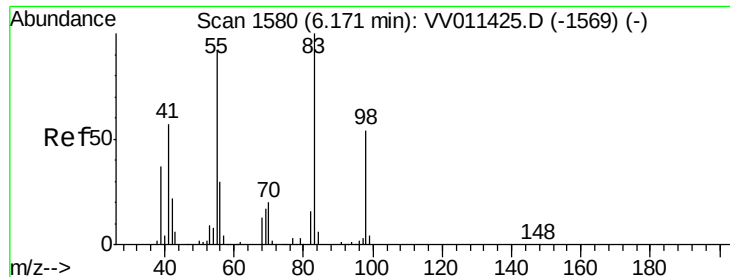
Tgt Ion: 96 Resp: 929
Ion Ratio Lower Upper
96 100
61 1444.0 139.8 259.6#
63 11415.1 94.3 175.1#



#13
Acetone
Concen: 2.720 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.00 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

Tgt Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
58 22.8 0.0 55.2

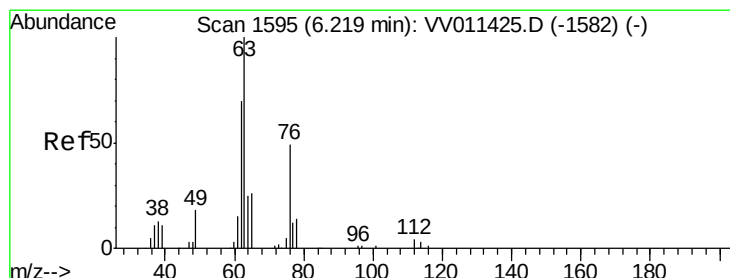
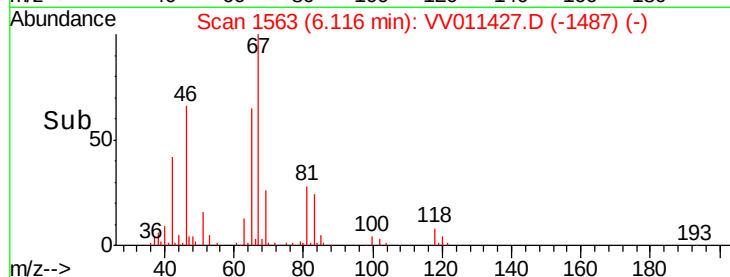
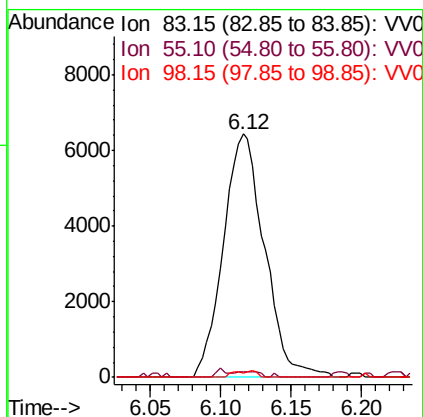
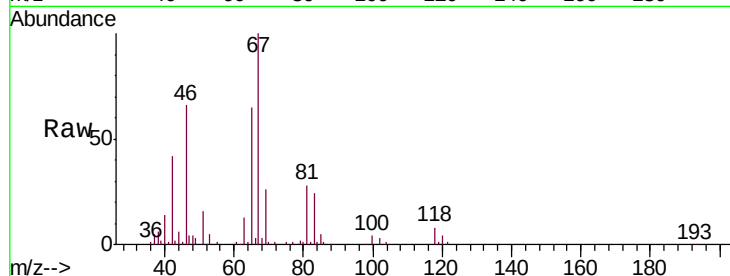




#35
Methylcyclohexane
Concen: 0.812 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

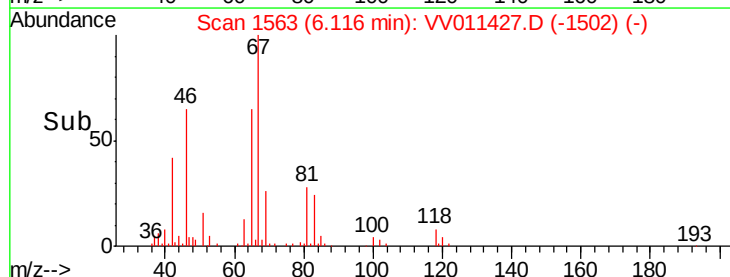
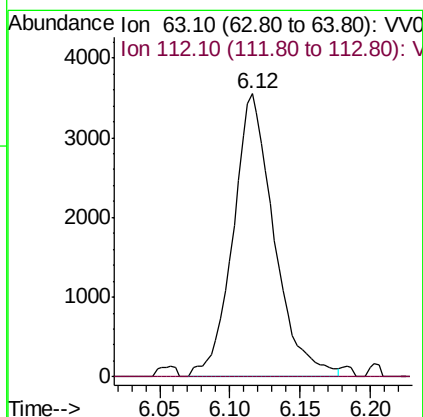
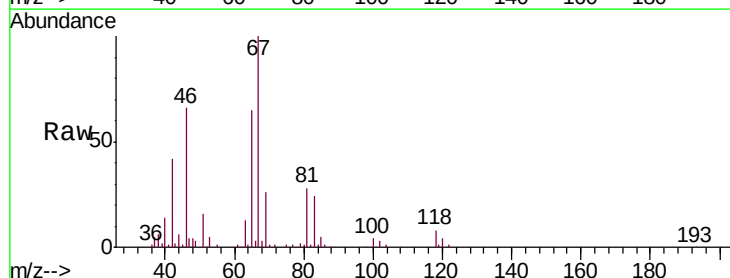
Instrument :
MSVOA_V
ClientSampleId :
COM06

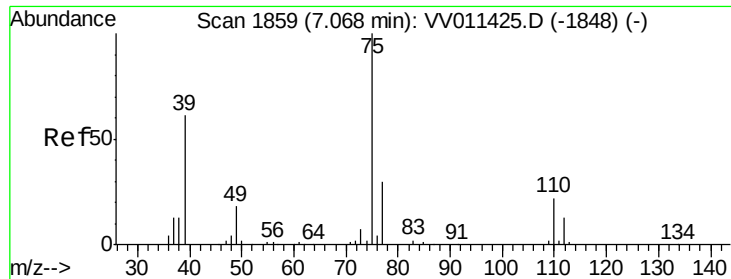
Tgt Ion: 83 Resp: 13102
Ion Ratio Lower Upper
83 100
55 1.5 67.0 100.6#
98 1.5 40.0 60.0#



#37
1,2-Dichloropropane
Concen: 0.768 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

Tgt Ion: 63 Resp: 7222
Ion Ratio Lower Upper
63 100
112 0.6 3.6 5.4#

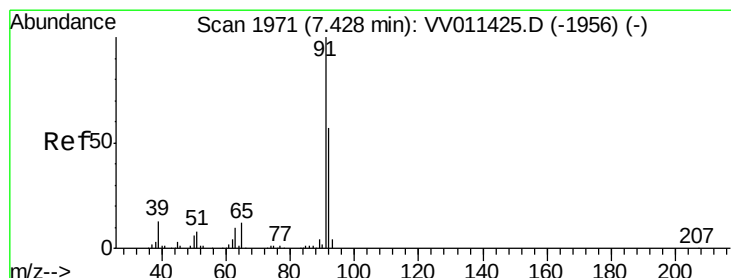
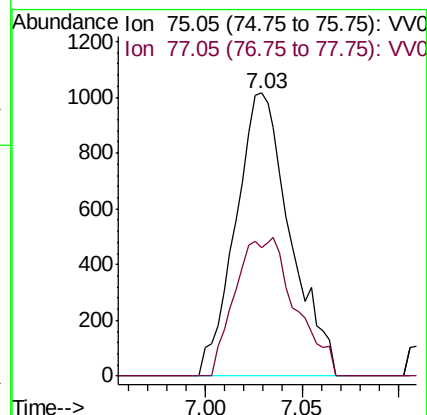
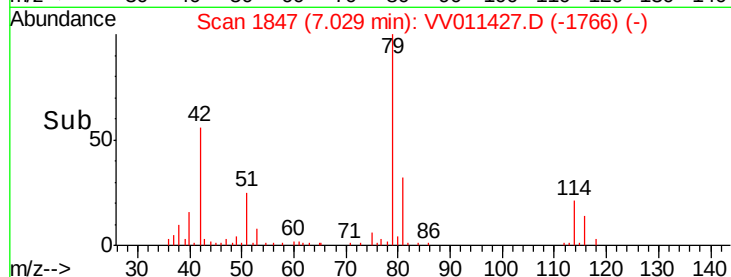
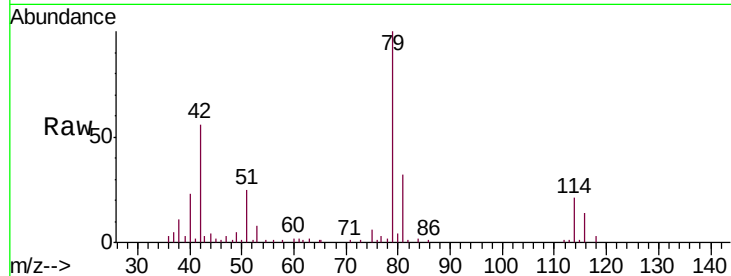




#39
 cis-1,3-Dichloropropene
 Concen: 0.145 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011427.D
 Acq: 12 Jun 2019 18:17

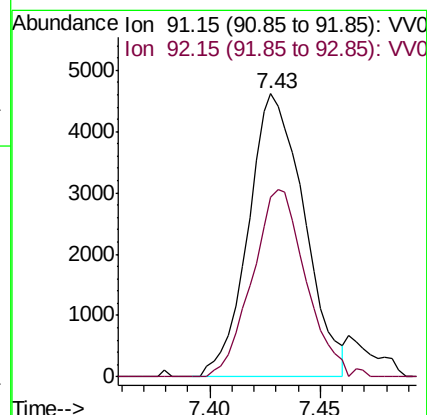
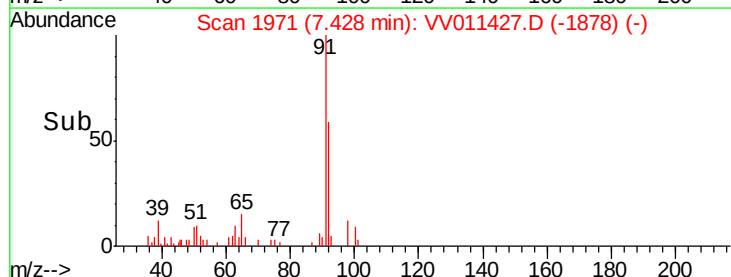
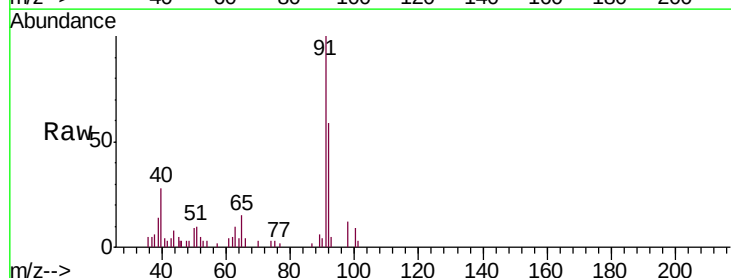
Instrument :
 MSVOA_V
 ClientSampled :
 COM06

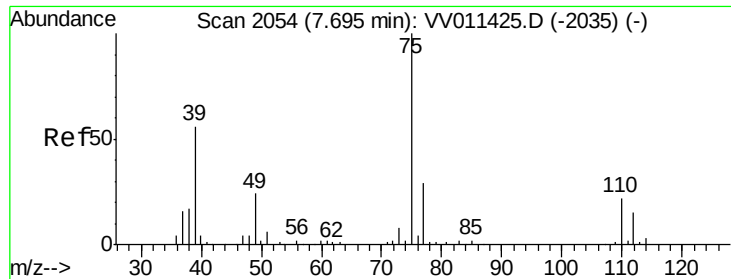
Tgt Ion: 75 Resp: 2000
 Ion Ratio Lower Upper
 75 100
 77 45.2 22.2 41.2#



#42
 Toluene
 Concen: 0.201 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV011427.D
 Acq: 12 Jun 2019 18:17

Tgt Ion: 91 Resp: 8102
 Ion Ratio Lower Upper
 91 100
 92 63.4 39.9 74.1

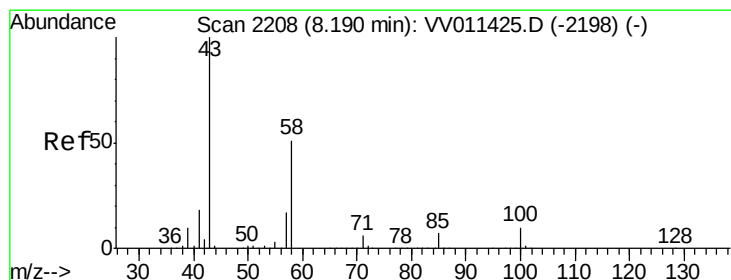
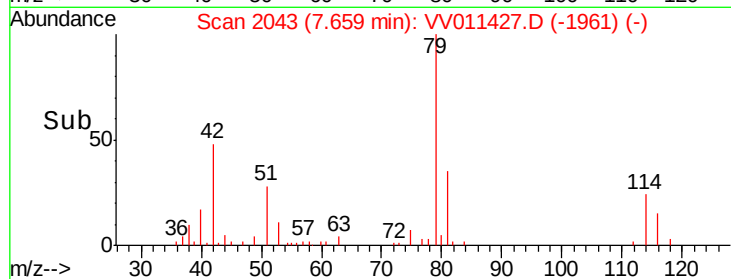
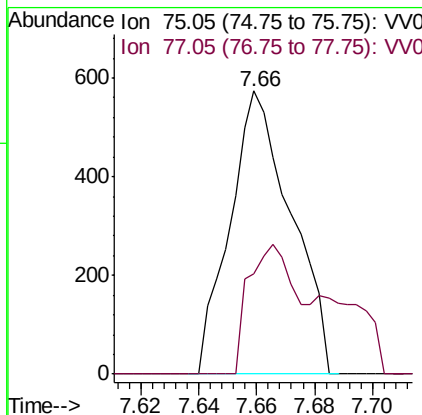
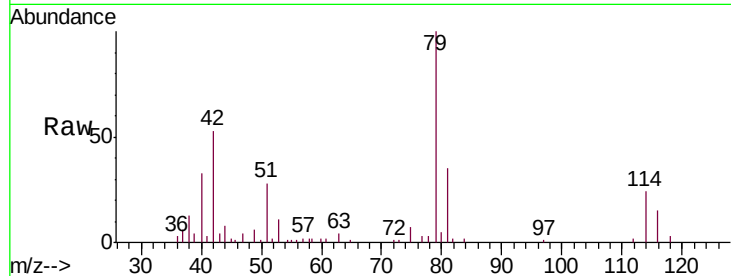




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

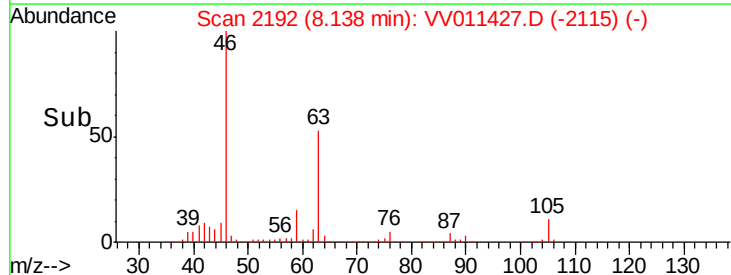
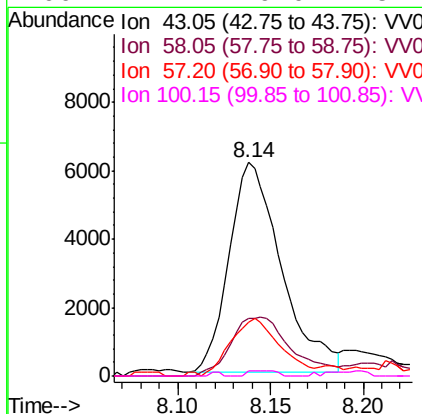
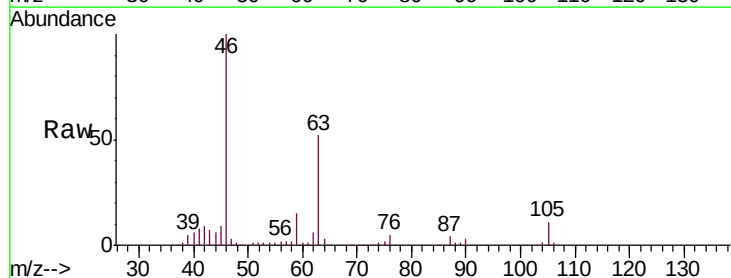
Instrument :
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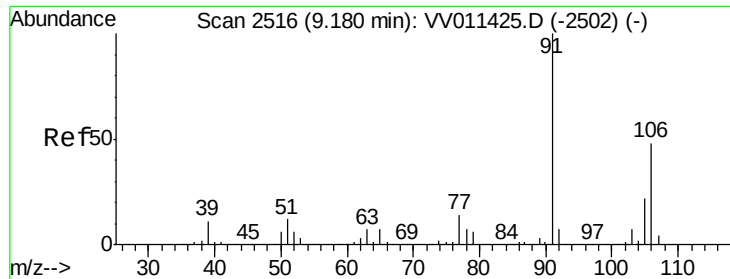
Tgt Ion: 75 Resp: 839
Ion Ratio Lower Upper
75 100
77 35.6 23.1 42.9



#48
2-Hexanone
Concen: 2.882 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

Tgt Ion: 43 Resp: 12034
Ion Ratio Lower Upper
43 100
58 32.4 41.4 62.0#
57 25.9 15.0 22.4#
100 1.4 9.0 13.4#

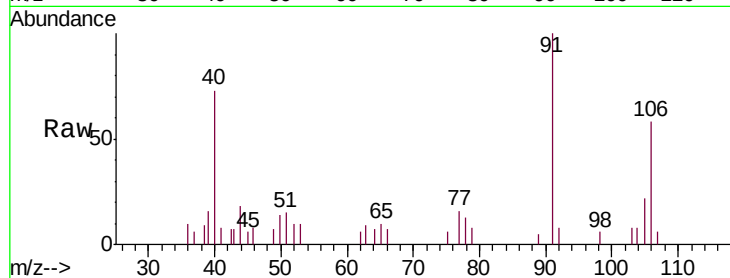




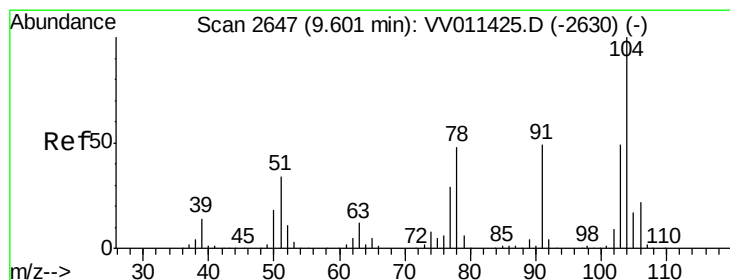
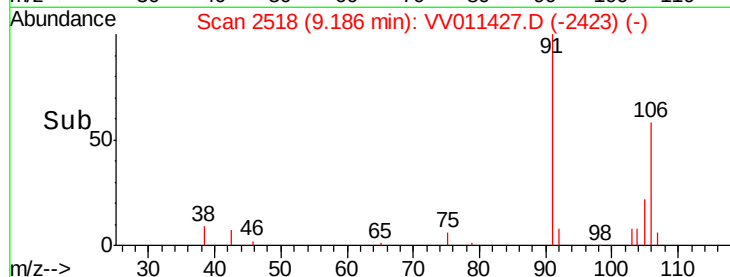
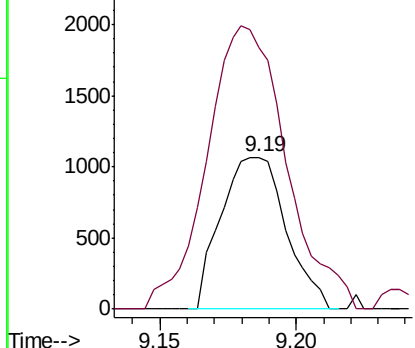
#53
m,p-xylene
Concen: 0.107 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.01 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

Instrument :
MSVOA_V
ClientSampled :
COM06

Tgt Ion:106 Resp: 1771
Ion Ratio Lower Upper
106 100
91 172.3 145.5 270.3

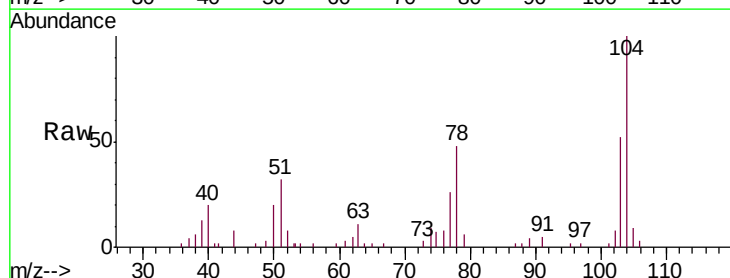


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55
Styrene
Concen: 0.437 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011427.D
Acq: 12 Jun 2019 18:17

Tgt Ion:104 Resp: 11551
Ion Ratio Lower Upper
104 100
78 47.6 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

