

Data File : VV011377.D
Acq On : 11 Jun 2019 06:00
Operator : SY/MD
Sample : K3229-12
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P32

Quant Time: Jun 11 08:05:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128919	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124082	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52362	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36369	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.54	69	33286	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.11	63	59357	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.94	46	138889	63.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.30%
24) Chloroform-d	4.39	84	81718	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	48219	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	159192	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.11	67	51293	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	137167	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.66	79	13800	3.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.40%
46) 2-Hexanone-d5	8.13	63	109337	59.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42411	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	51417	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2408	0.196 ug/L	94
5) Vinyl chloride	1.32	62	34529	2.911 ug/L #	58
6) Bromomethane	1.51	94	1429	0.232 ug/L	80
8) Chloroethane	1.56	64	1910	0.252 ug/L #	70
13) Acetone	2.20	43	5042	3.419 ug/L	84
14) Carbon disulfide	2.30	76	4698	0.191 ug/L #	83
16) Methylene chloride	2.52	84	936	0.112 ug/L	79
30) Cyclohexane	4.71	56	10203	0.581 ug/L	96
33) Benzene	5.14	78	6866	0.174 ug/L	100
35) Methylcyclohexane	6.11	83	12680	0.752 ug/L #	15
37) 1,2-Dichloropropane	6.11	63	6803	0.692 ug/L #	90
42) Toluene	7.43	91	3043	0.072 ug/L	96
44) trans-1,3-Dichloropropene	7.66	75	925	0.085 ug/L #	79
47) Tetrachloroethene	8.02	164	1176	0.160 ug/L	84
49) Dibromochloromethane	8.02	129	1063	0.149 ug/L #	11
52) Ethylbenzene	9.05	91	8109	0.174 ug/L	97
53) m,p-xylene	9.18	106	12104	0.700 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061019\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Jun 11 08:01:21 2019
Response via : Initial Calibration

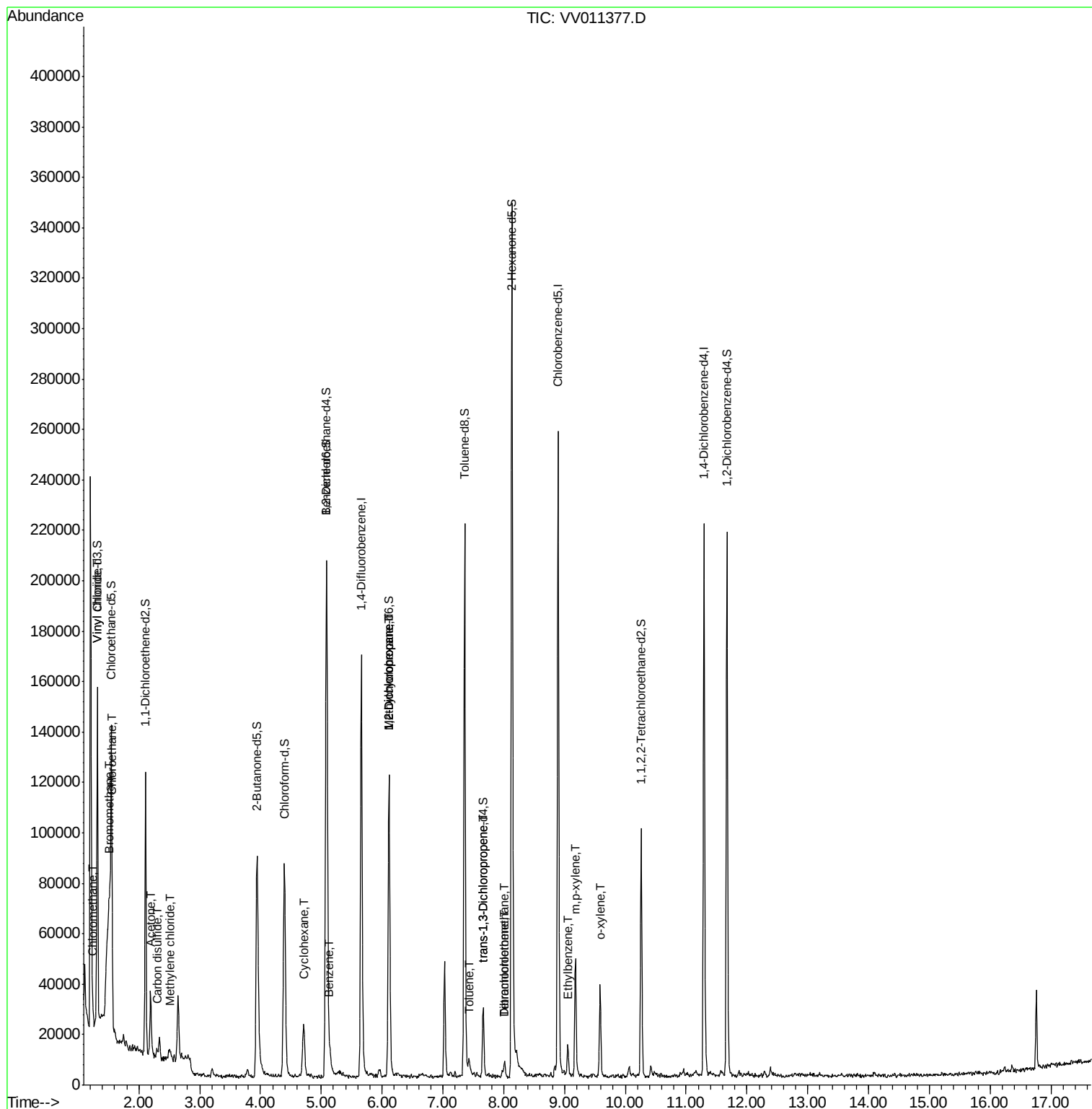
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	8837	0.521	ug/L	99

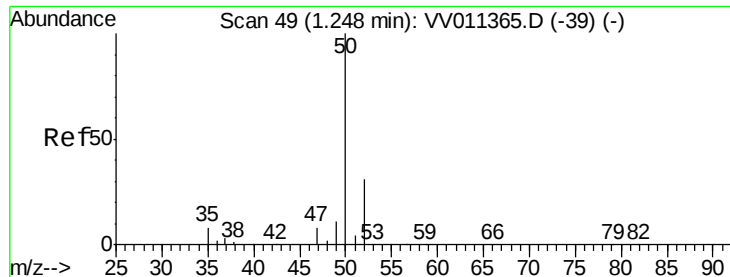
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.196 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampleId :

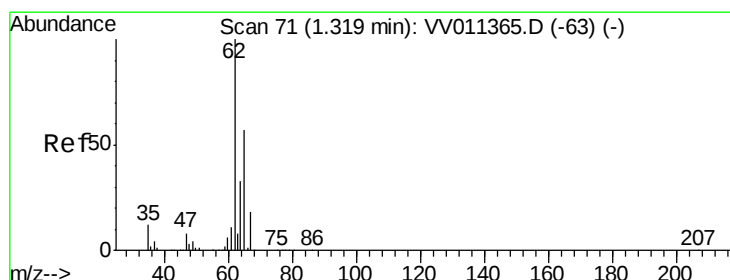
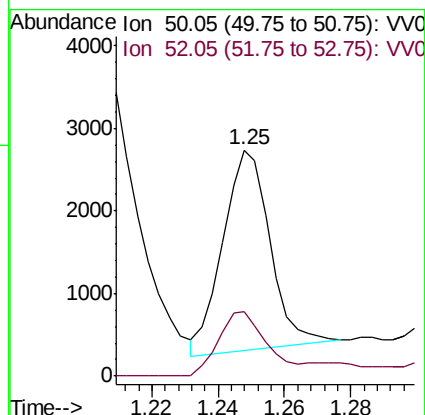
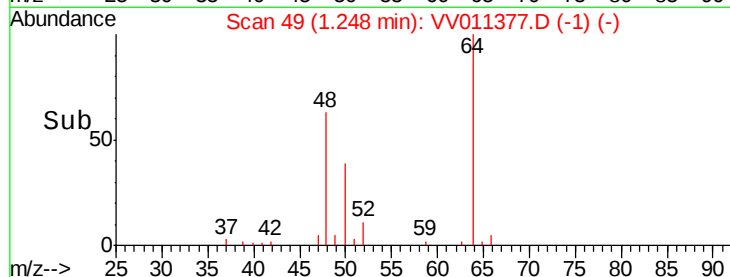
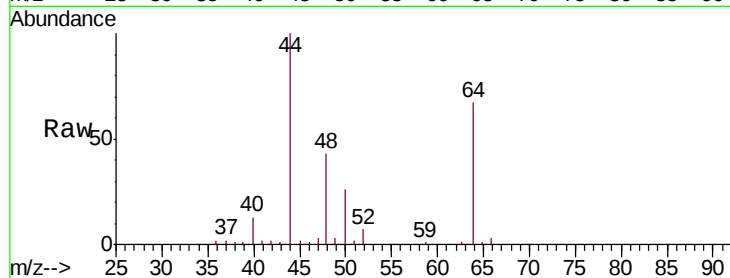
F9P32

Tgt Ion: 50 Resp: 2408

Ion Ratio Lower Upper

50 100

52 28.5 22.3 41.5



#5

Vinyl chloride

Concen: 2.911 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011377.D

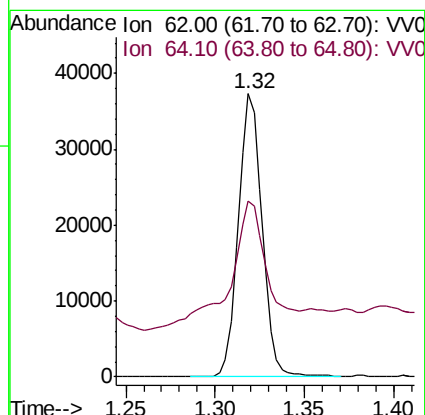
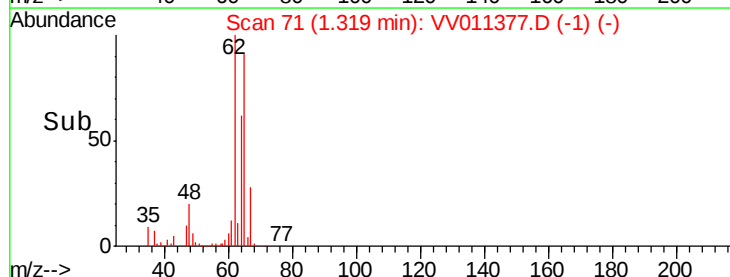
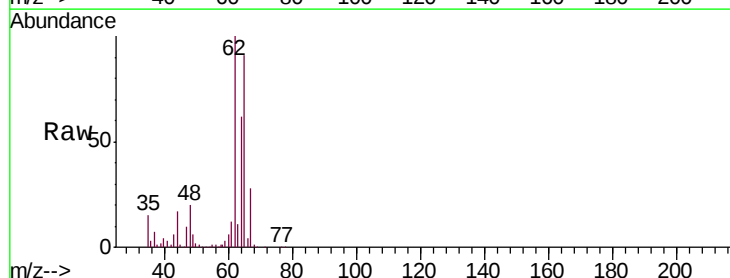
Acq: 11 Jun 2019 06:00

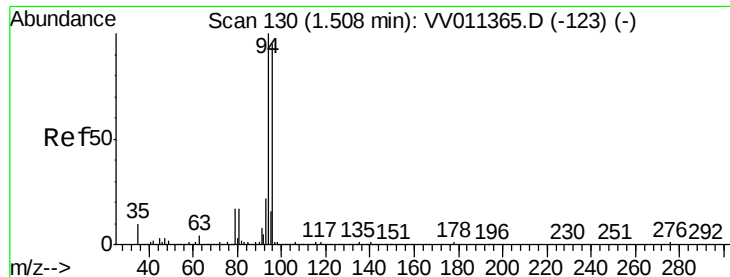
Tgt Ion: 62 Resp: 34529

Ion Ratio Lower Upper

62 100

64 62.1 25.9 48.1#





#6

Bromomethane

Concen: 0.232 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.00 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampleId :

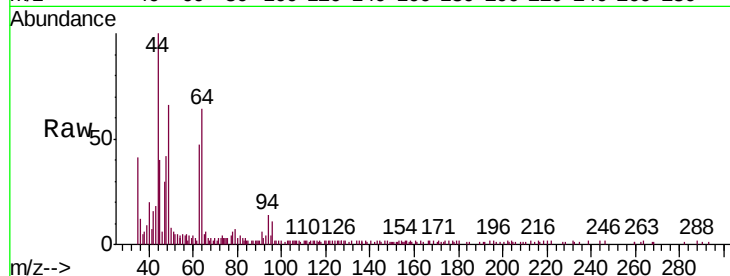
F9P32

Tgt Ion: 94 Resp: 1429

Ion Ratio Lower Upper

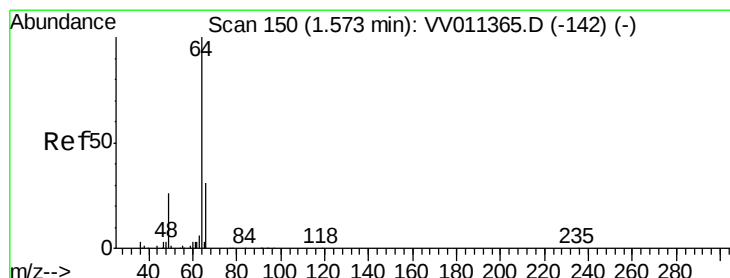
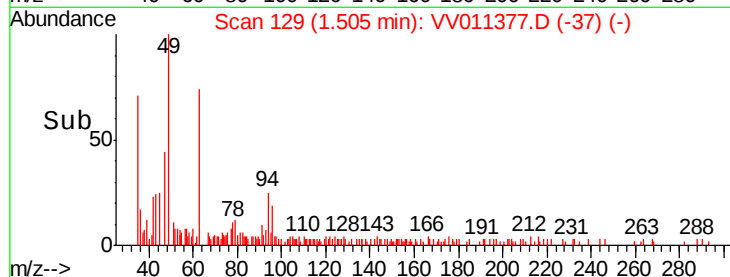
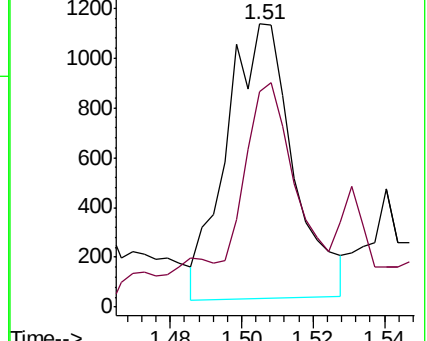
94 100

96 76.0 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: 0.252 ug/L

RT: 1.56 min Scan# 147

Delta R.T. -0.01 min

Lab File: VV011377.D

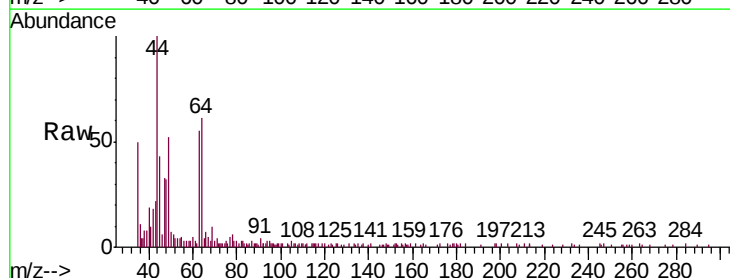
Acq: 11 Jun 2019 06:00

Tgt Ion: 64 Resp: 1910

Ion Ratio Lower Upper

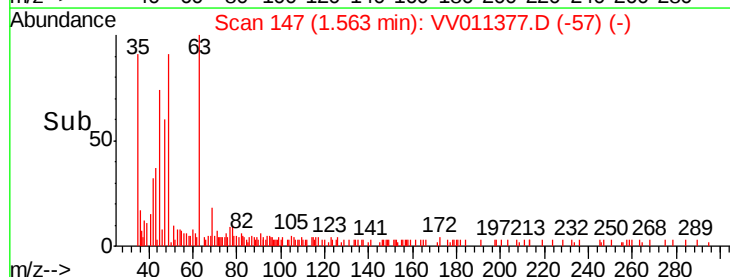
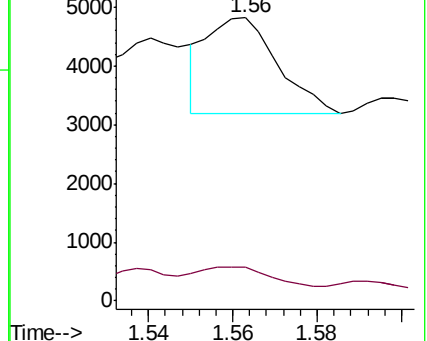
64 100

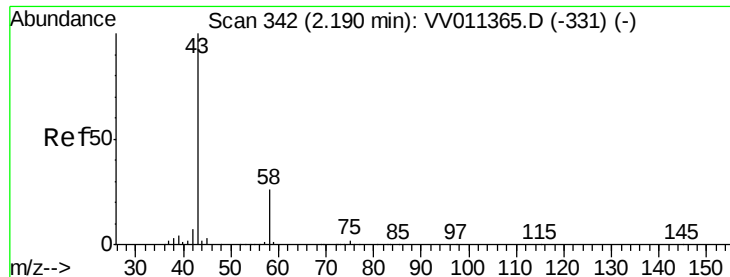
66 11.8 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 3.419 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampled :

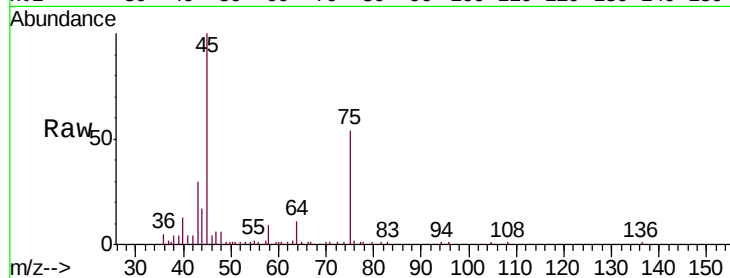
F9P32

Tgt Ion: 43 Resp: 5042

Ion Ratio Lower Upper

43 100

58 35.8 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

3000

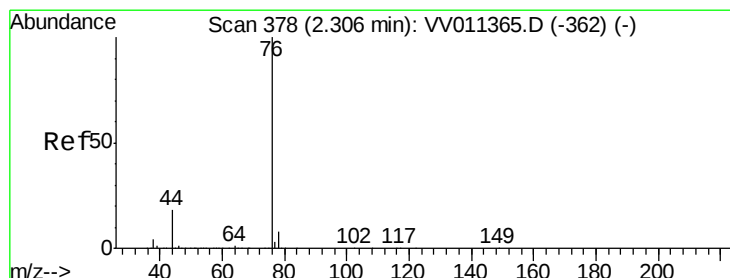
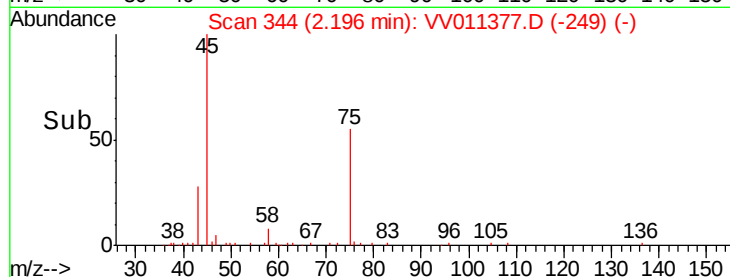
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.191 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.01 min

Lab File: VV011377.D

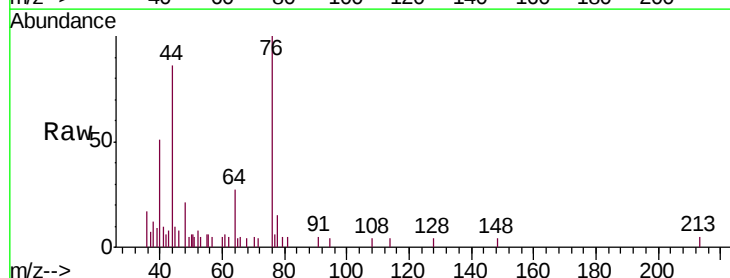
Acq: 11 Jun 2019 06:00

Tgt Ion: 76 Resp: 4698

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.30

3000

2500

2000

1500

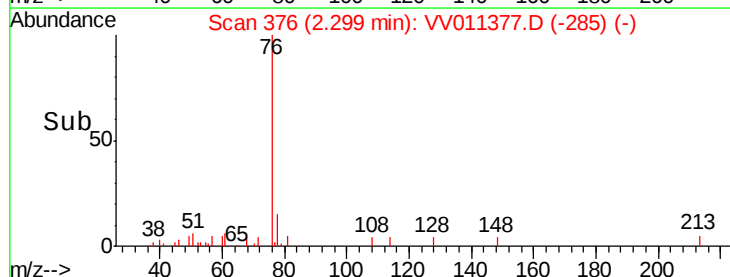
1000

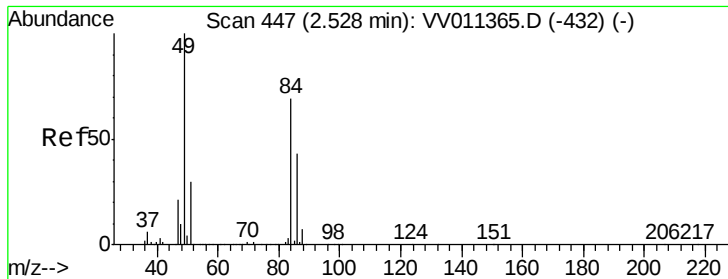
500

0

Time-->

2.25 2.30 2.35

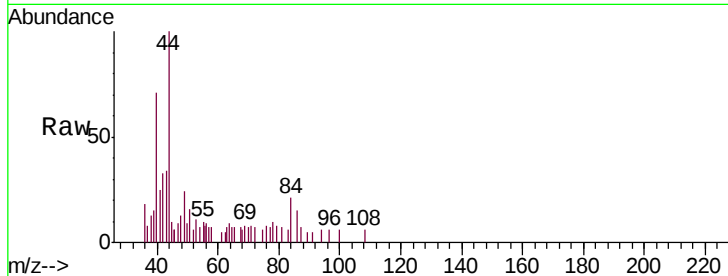




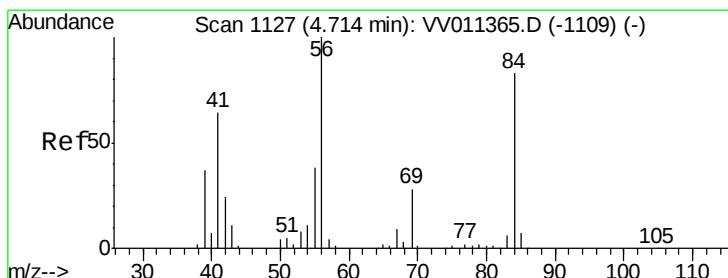
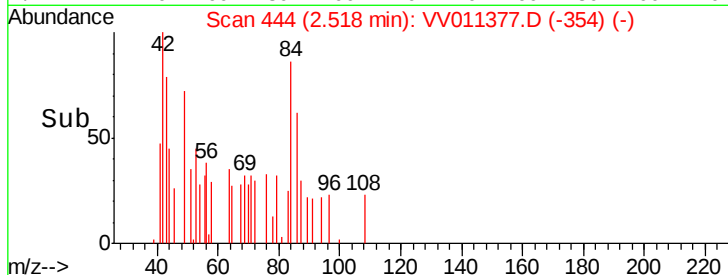
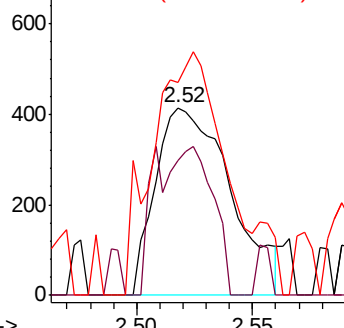
#16
Methylene chloride
Concen: 0.112 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.01 min
Lab File: VV011377.D
Acq: 11 Jun 2019 06:00

Instrument :
MSVOA_V
ClientSampled :
F9P32

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
86 72.0 44.9 83.3
49 113.5 102.1 189.5

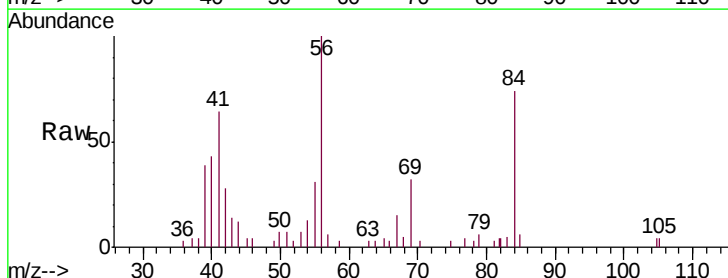


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

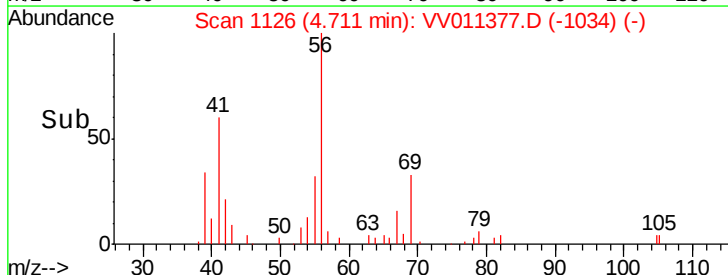
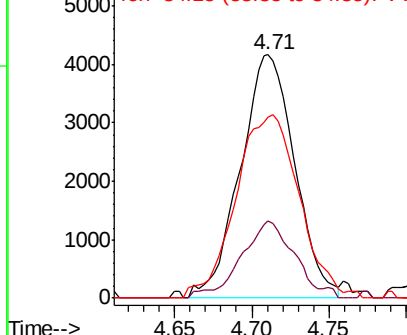


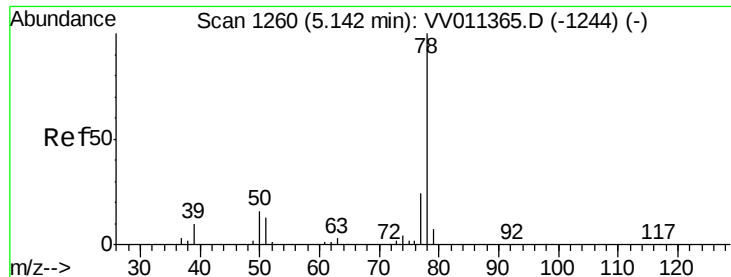
#30
Cyclohexane
Concen: 0.581 ug/L
RT: 4.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VV011377.D
Acq: 11 Jun 2019 06:00

Tgt Ion: 56 Resp: 10203
Ion Ratio Lower Upper
56 100
69 31.1 24.1 36.1
84 87.6 66.4 99.6



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

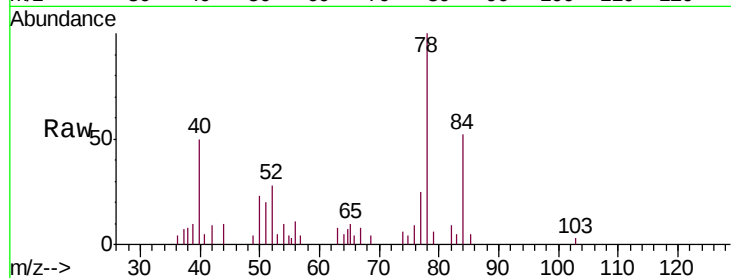




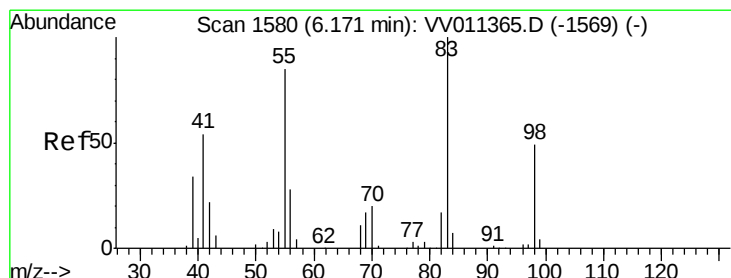
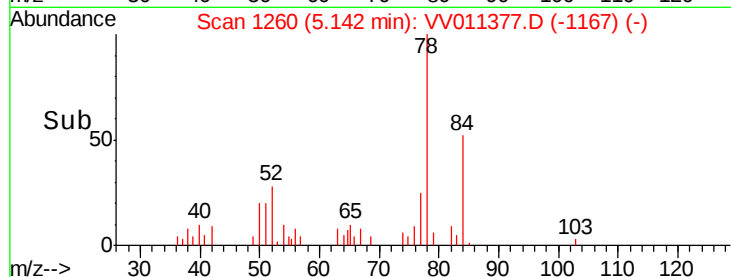
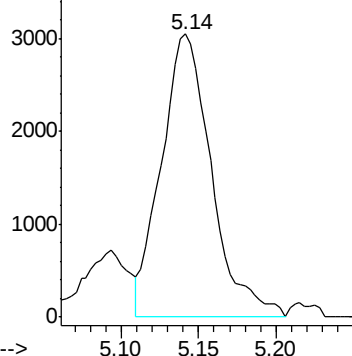
#33
Benzene
Concen: 0.174 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV011377.D
Acq: 11 Jun 2019 06:00

Tgt Ion: 78 Resp: 6866

Instrument :
MSVOA_V
ClientSampleId :
F9P32



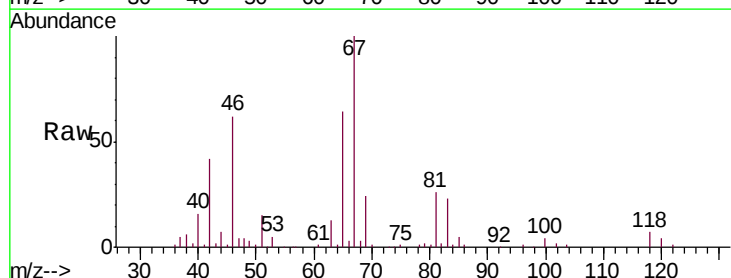
Abundance Ion 78.10 (77.80 to 78.80): VV0



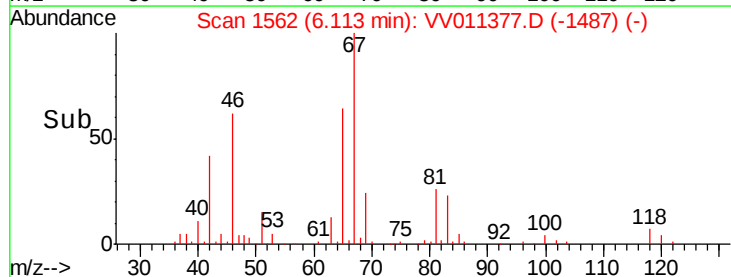
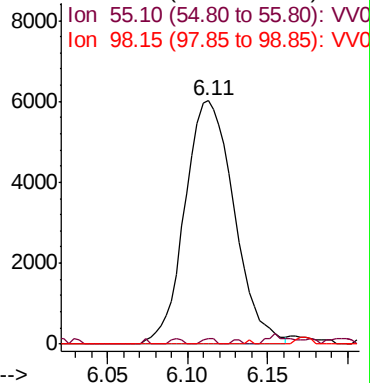
#35
Methylcyclohexane
Concen: 0.752 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011377.D
Acq: 11 Jun 2019 06:00

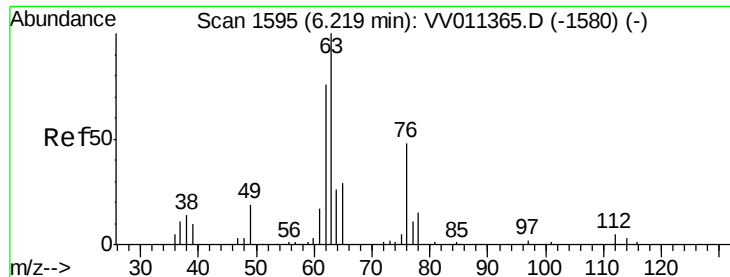
Tgt Ion: 83 Resp: 12680

Ion	Ratio	Lower	Upper
83	100		
55	0.6	67.0	100.6#
98	0.0	40.0	60.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0

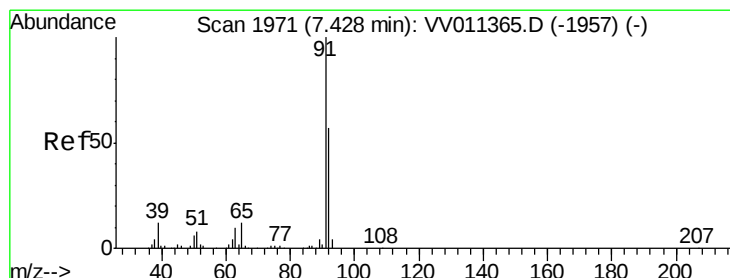
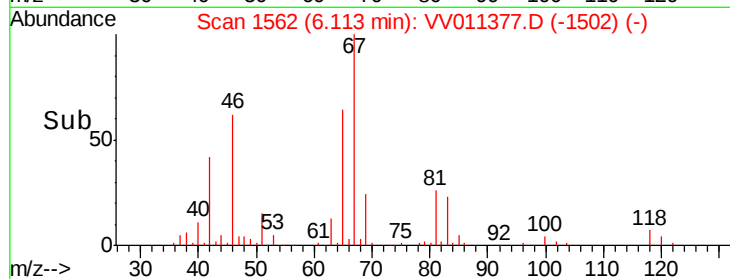
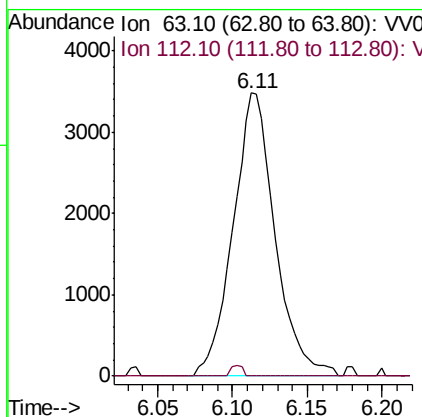
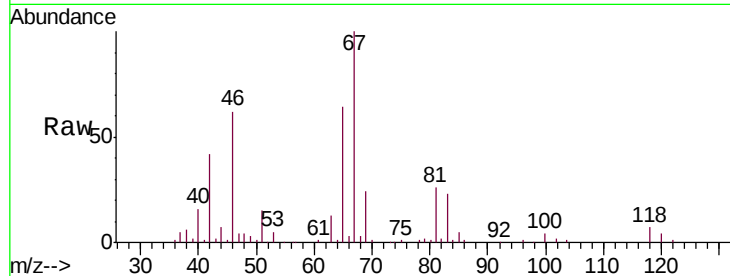




#37
 1,2-Dichloropropane
 Concen: 0.692 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV011377.D
 Acq: 11 Jun 2019 06:00

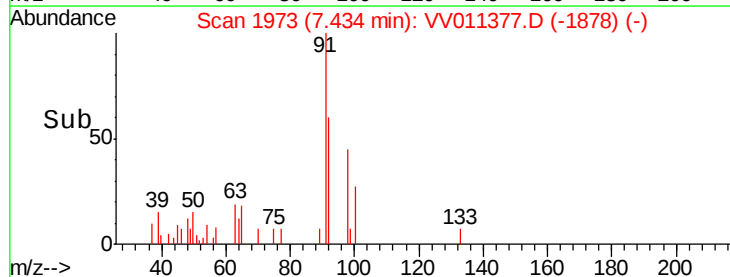
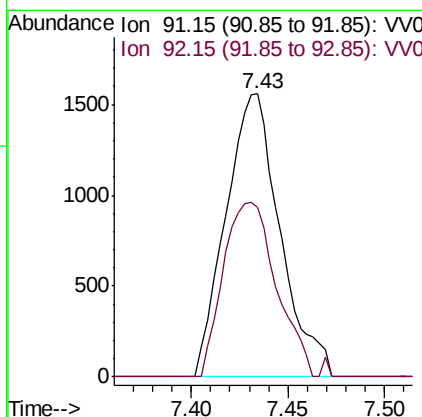
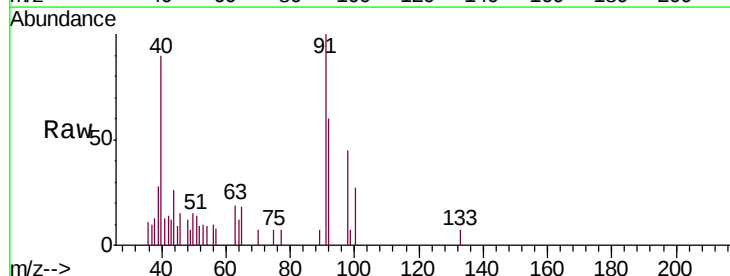
Instrument :
 MSVOA_V
 ClientSampleId :
 F9P32

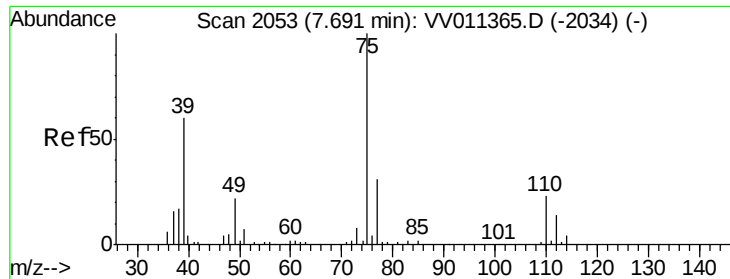
Tgt Ion: 63 Resp: 6803
 Ion Ratio Lower Upper
 63 100
 112 1.1 3.6 5.4#



#42
 Toluene
 Concen: 0.072 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV011377.D
 Acq: 11 Jun 2019 06:00

Tgt Ion: 91 Resp: 3043
 Ion Ratio Lower Upper
 91 100
 92 59.7 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampleId :

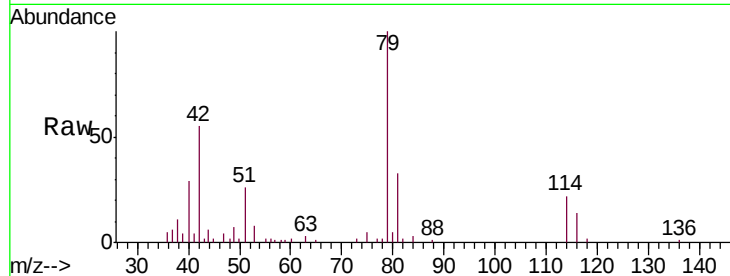
F9P32

Tgt Ion: 75 Resp: 925

Ion Ratio Lower Upper

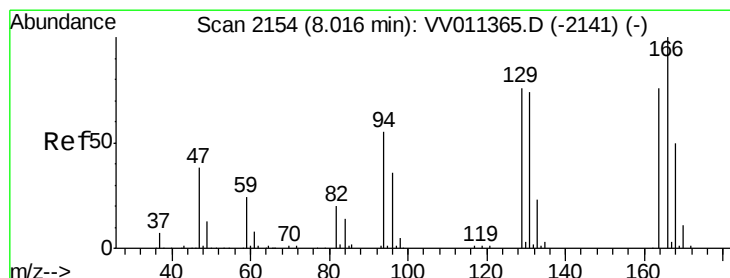
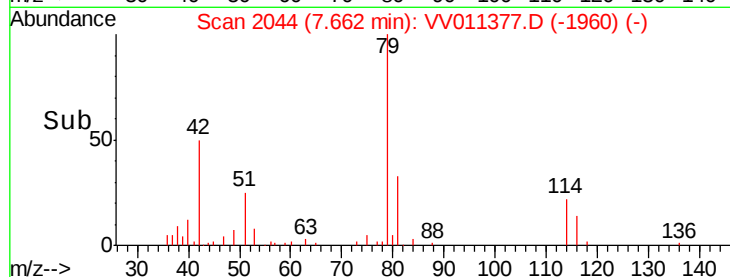
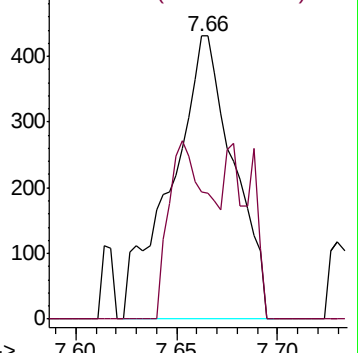
75 100

77 44.8 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 0.160 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Tgt Ion: 164 Resp: 1176

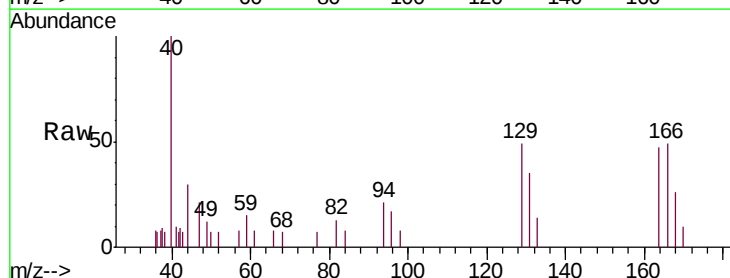
Ion Ratio Lower Upper

164 100

129 103.0 69.9 129.9

131 74.2 66.8 124.2

166 103.6 90.2 167.6

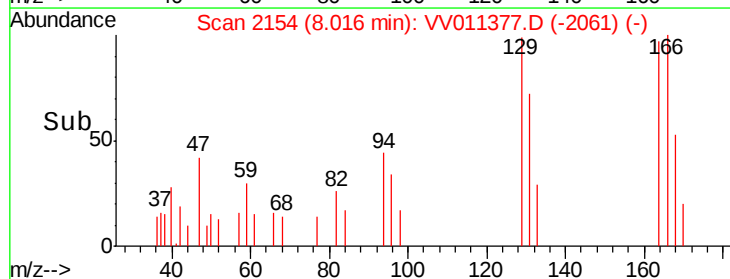
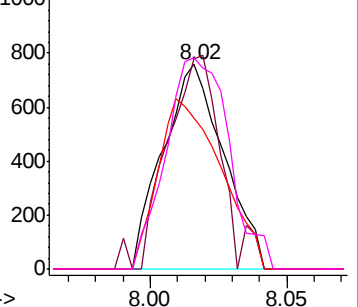


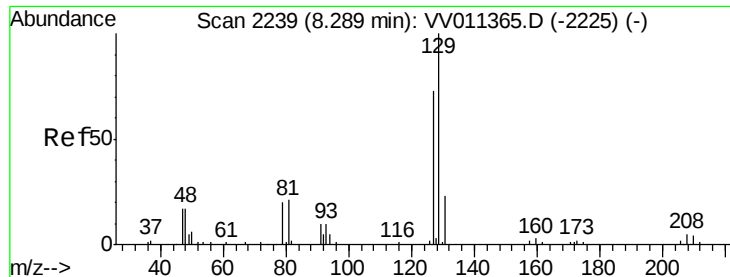
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 0.149 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampleId :

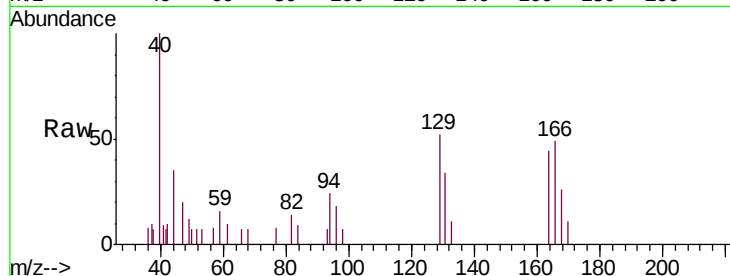
F9P32

Tgt Ion:129 Resp: 1063

Ion Ratio Lower Upper

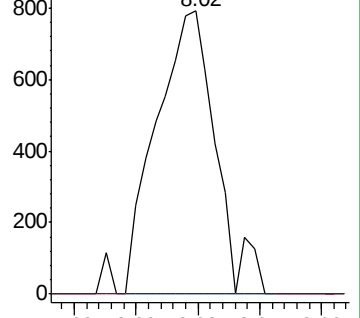
129 100

127 0.0 53.7 99.7#

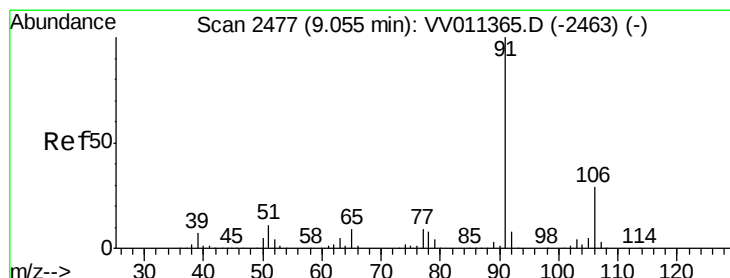
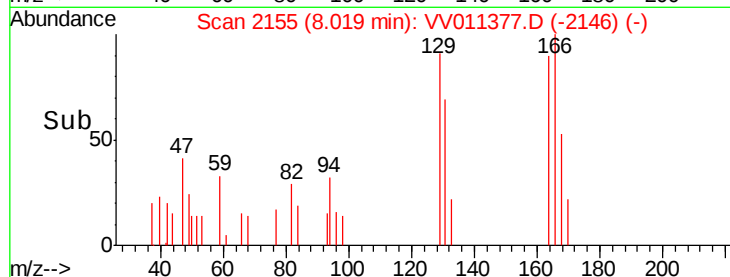


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#52

Ethylbenzene

Concen: 0.174 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011377.D

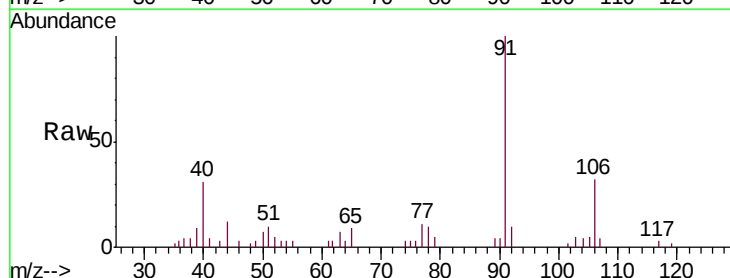
Acq: 11 Jun 2019 06:00

Tgt Ion: 91 Resp: 8109

Ion Ratio Lower Upper

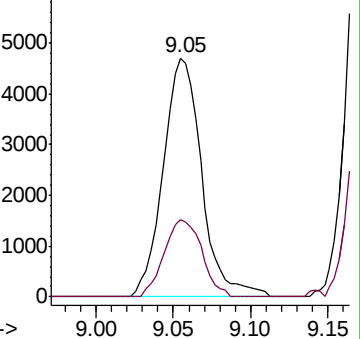
91 100

106 32.2 21.5 39.9

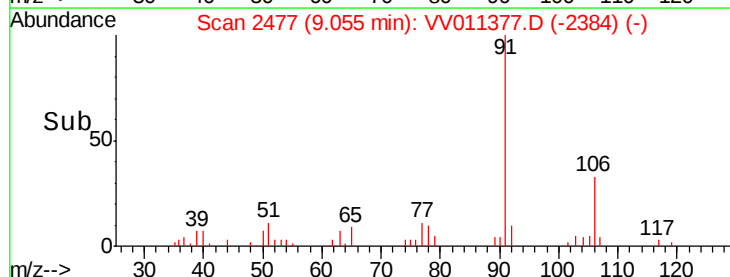


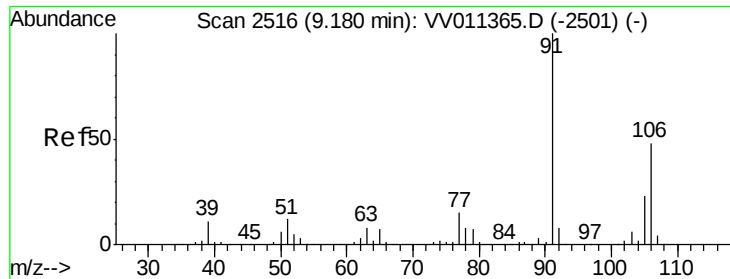
Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



Time-->





#53

m,p-xylene

Concen: 0.700 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011377.D

Acq: 11 Jun 2019 06:00

Instrument :

MSVOA_V

ClientSampleId :

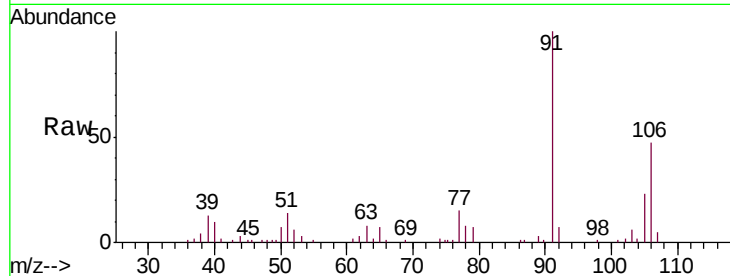
F9P32

Tgt Ion:106 Resp: 12104

Ion Ratio Lower Upper

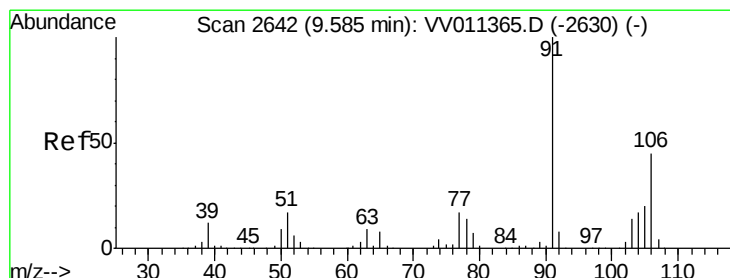
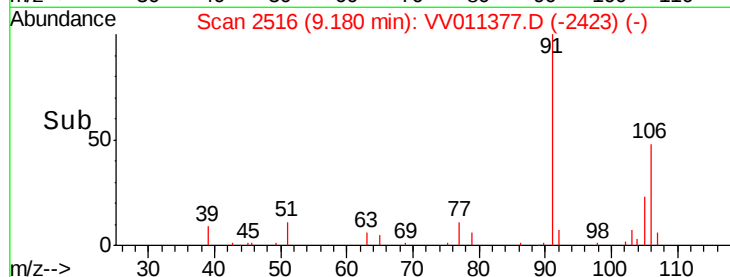
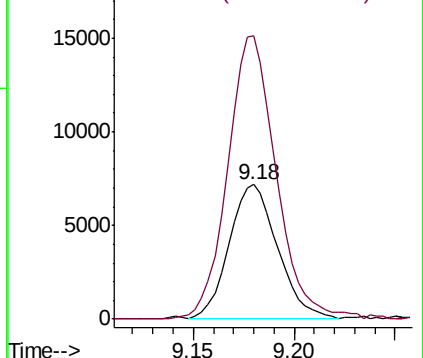
106 100

91 210.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.521 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011377.D

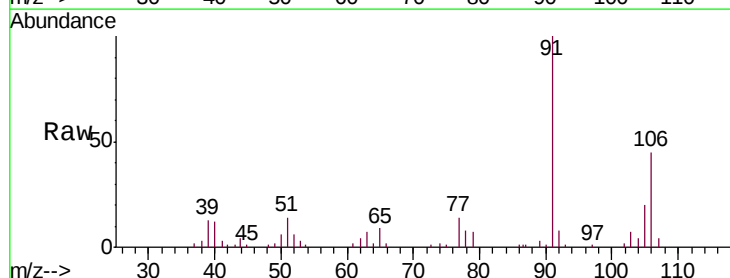
Acq: 11 Jun 2019 06:00

Tgt Ion:106 Resp: 8837

Ion Ratio Lower Upper

106 100

91 224.0 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

