

Data File : VV011994.D
Acq On : 24 Jul 2019 04:32
Operator : SY/MD
Sample : K3960-02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB9A7

Quant Time: Jul 24 07:53:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	148905	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	76651	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33352	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.59	69	28185	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	57025	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.96	46	109386	48.35	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.70%
24) Chloroform-d	4.40	84	94452	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	52345	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	185041	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	51744	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.36	98	174547	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.66	79	19652	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.14	63	91597	48.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37450	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	73015	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1264	0.142 ug/L #	83
13) Acetone	2.22	43	2391	1.961 ug/L	61
25) Chloroform	4.43	83	3607	0.160 ug/L	95
35) Methylcyclohexane	6.17	83	1538	0.083 ug/L #	85
37) 1,2-Dichloropropane	6.12	63	6772	0.655 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1382	0.090 ug/L #	71
40) 4-Methyl-2-pentanone	7.28	43	26572	4.597 ug/L	98
42) Toluene	7.43	91	75766	1.640 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1032	0.085 ug/L #	74
45) 1,1,2-Trichloroethane	7.83	97	14431	2.020 ug/L #	20
48) 2-Hexanone	8.13	43	17495	4.315 ug/L #	57
52) Ethylbenzene	9.05	91	1068808	20.275 ug/L	99
53) m,p-xylene	9.18	106	1790839	89.245 ug/L	99
54) o-xylene	9.59	106	460106	24.182 ug/L	97
55) Styrene	9.59	104	25197	0.786 ug/L #	1
56) Isopropylbenzene	9.97	105	16273	0.306 ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	621	0.080 ug/L #	25

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

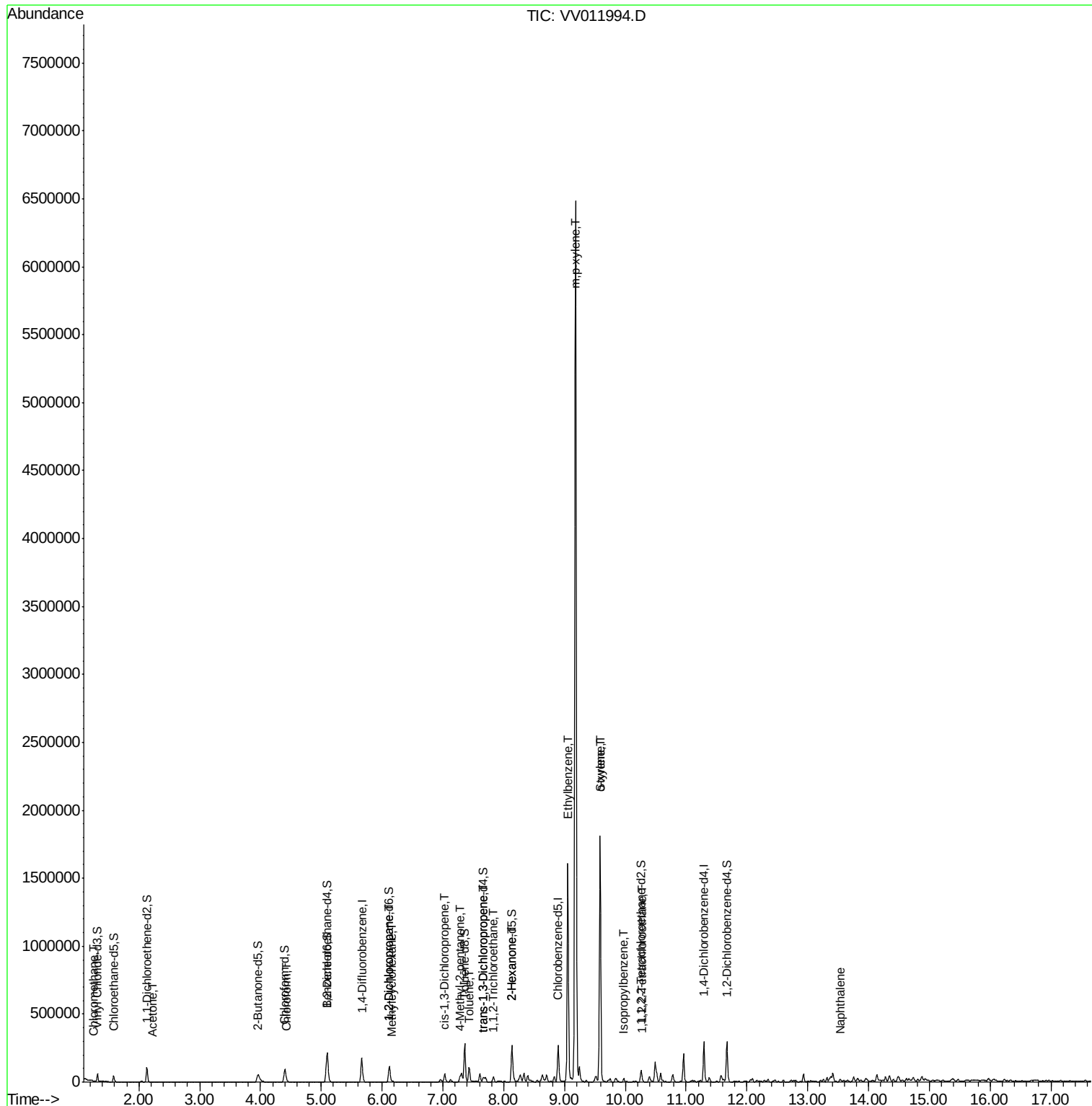
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.54	128	3055	0.119	ug/L #	32

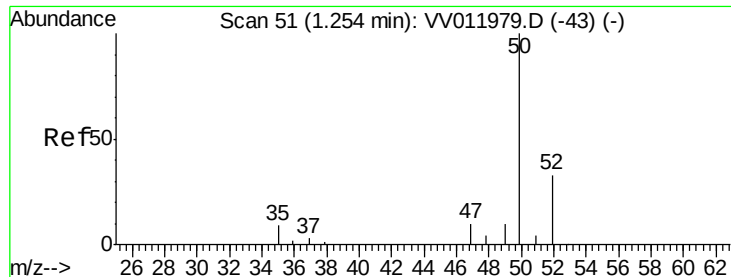
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.142 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

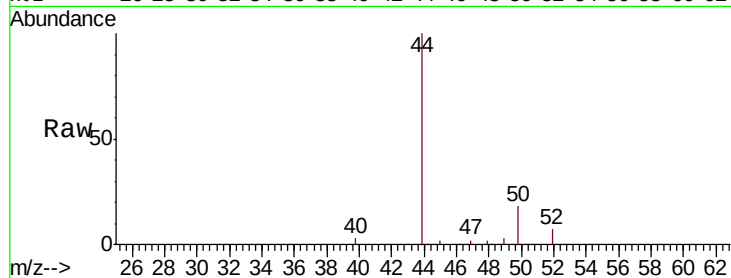
DB9A7

Tgt Ion: 50 Resp: 1264

Ion Ratio Lower Upper

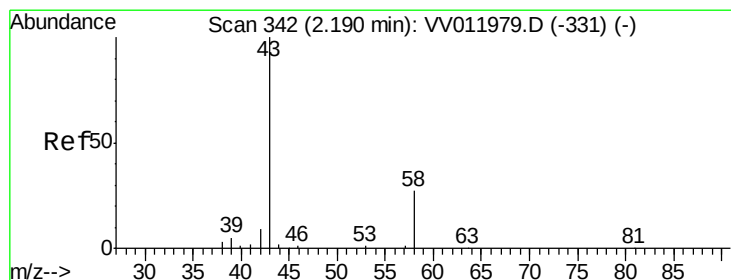
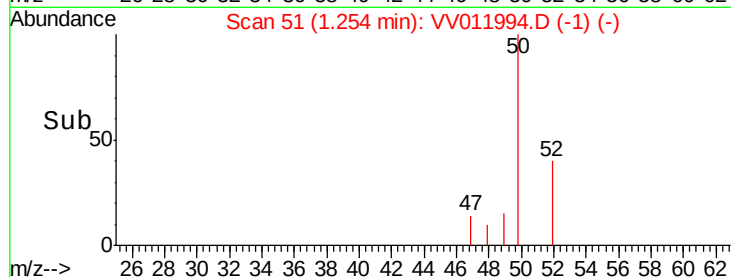
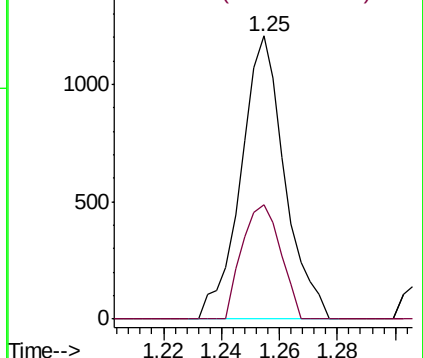
50 100

52 40.3 21.6 40.2#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#13

Acetone

Concen: 1.961 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.03 min

Lab File: VV011994.D

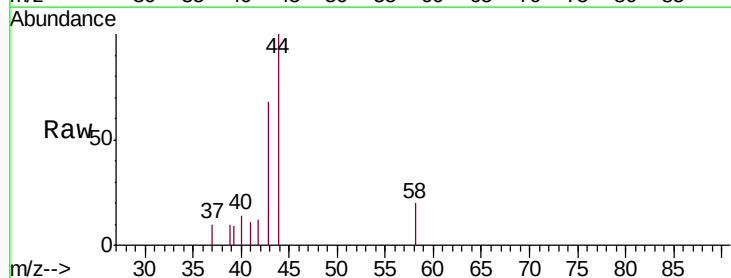
Acq: 24 Jul 2019 04:32

Tgt Ion: 43 Resp: 2391

Ion Ratio Lower Upper

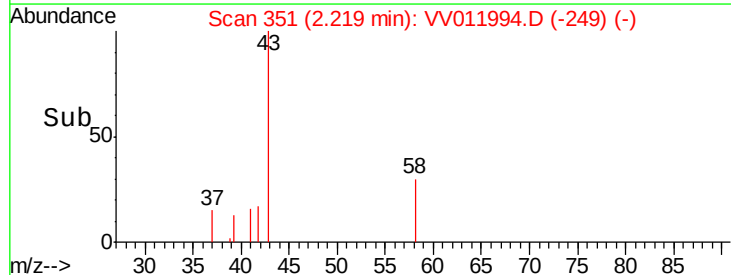
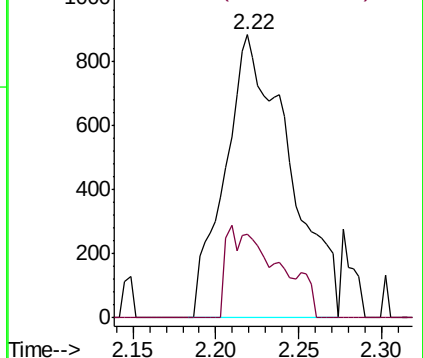
43 100

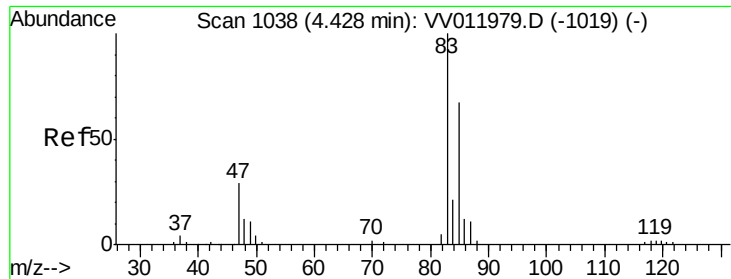
58 6.0 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

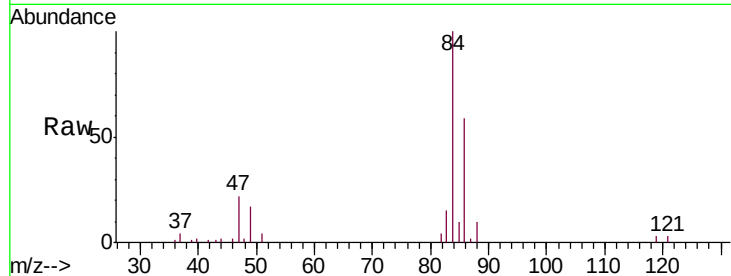




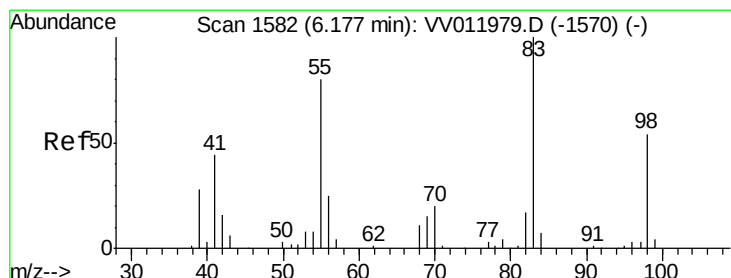
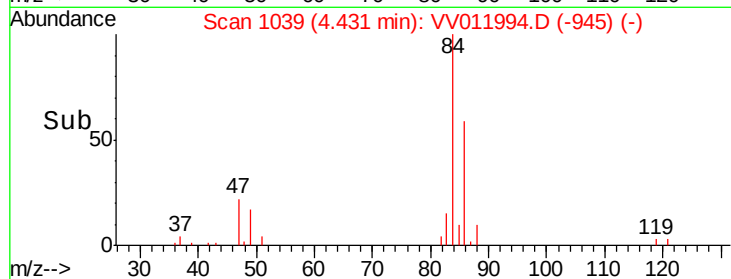
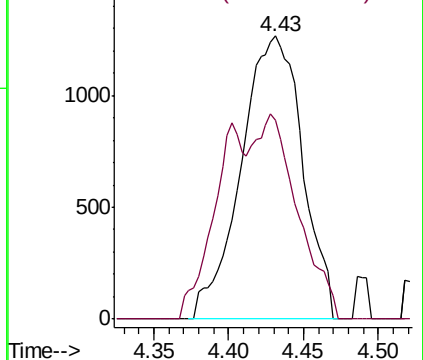
#25
Chloroform
Concen: 0.160 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011994.D
Acq: 24 Jul 2019 04:32

Instrument :
MSVOA_V
ClientSampleId :
DB9A7

Tgt Ion: 83 Resp: 3607
Ion Ratio Lower Upper
83 100
85 70.2 46.5 86.3

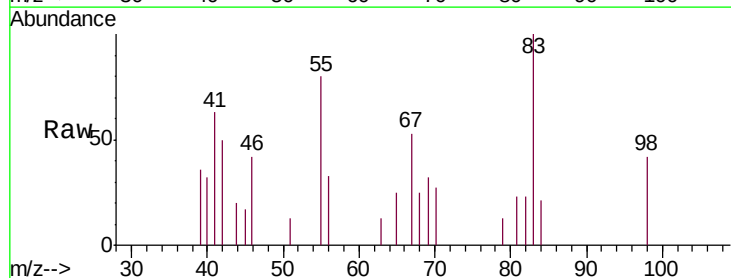


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

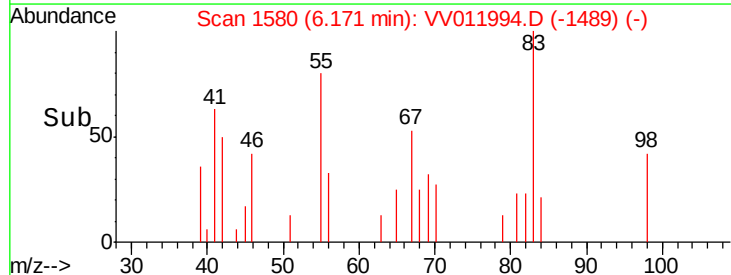
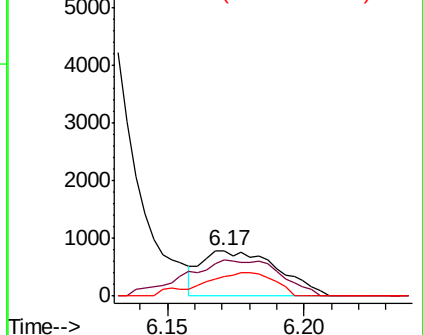


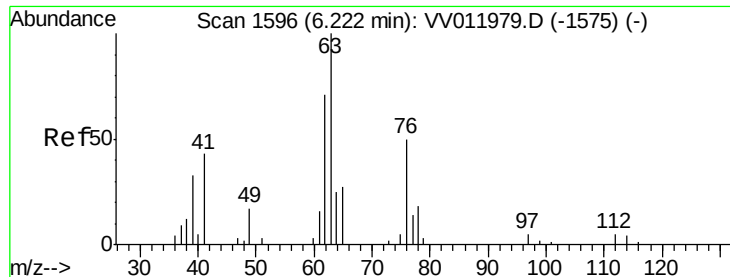
#35
Methylcyclohexane
Concen: 0.083 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VV011994.D
Acq: 24 Jul 2019 04:32

Tgt Ion: 83 Resp: 1538
Ion Ratio Lower Upper
83 100
55 98.0 63.0 94.4#
98 48.4 41.4 62.0



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

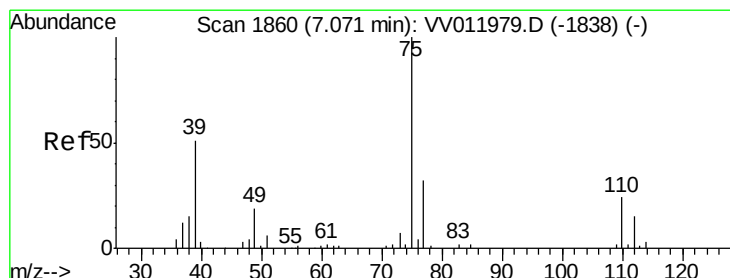
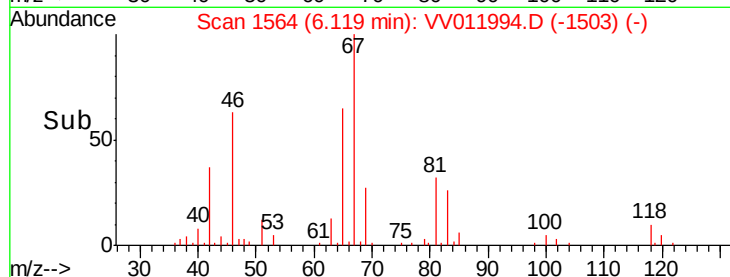
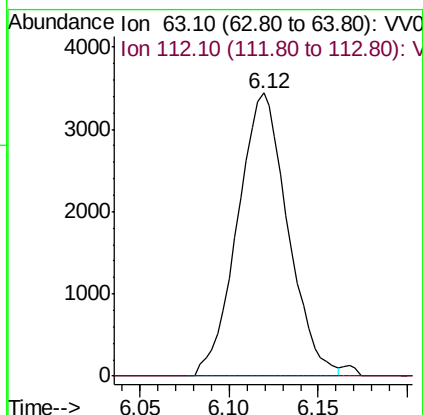
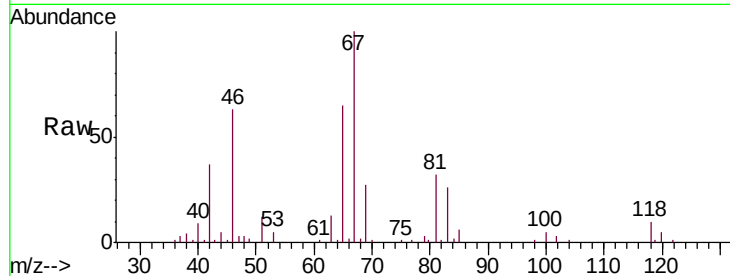




#37
 1,2-Dichloropropane
 Concen: 0.655 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011994.D
 Acq: 24 Jul 2019 04:32

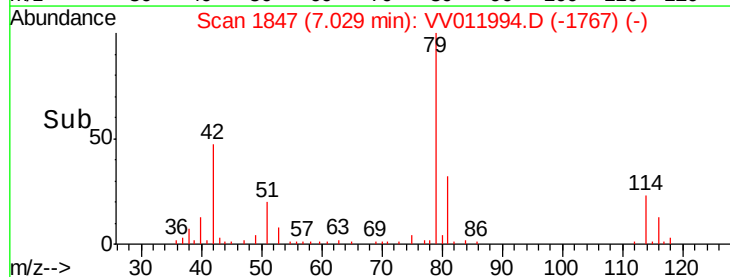
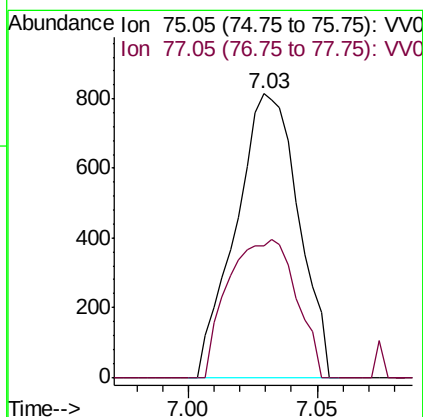
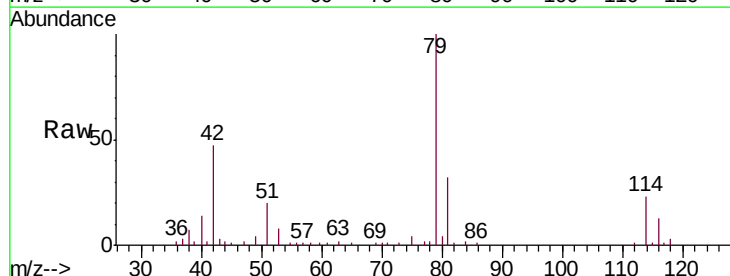
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A7

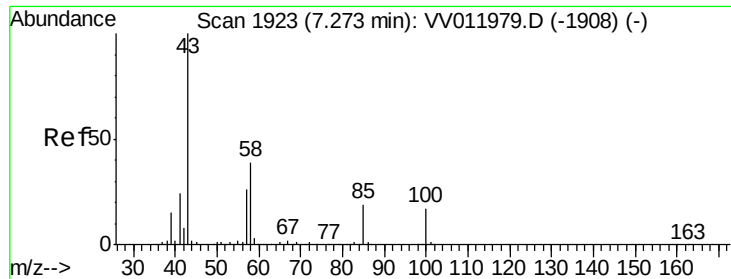
Tgt Ion: 63 Resp: 6772
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011994.D
 Acq: 24 Jul 2019 04:32

Tgt Ion: 75 Resp: 1382
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.3 39.6#





#40

4-Methyl-2-pentanone

Concen: 4.597 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

DB9A7

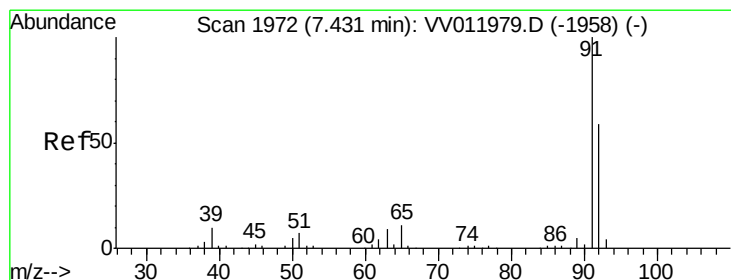
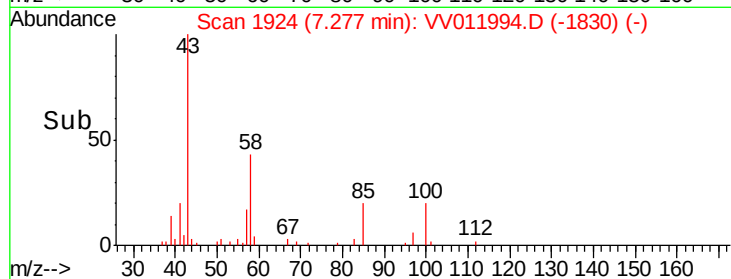
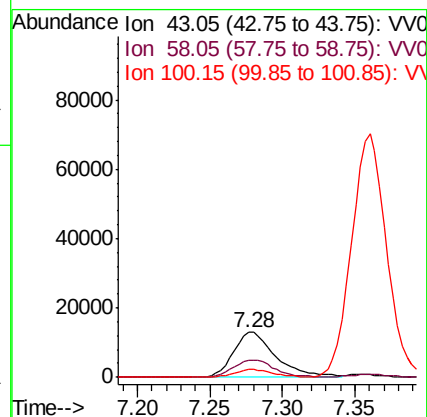
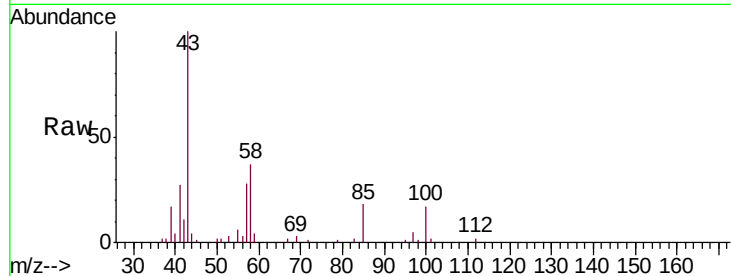
Tgt Ion: 43 Resp: 26572

Ion Ratio Lower Upper

43 100

58 37.7 31.2 46.8

100 15.8 13.5 20.3



#42

Toluene

Concen: 1.640 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011994.D

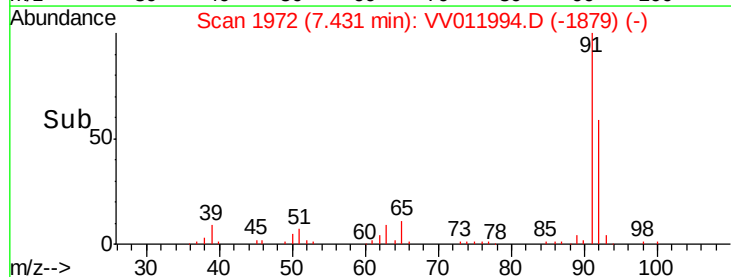
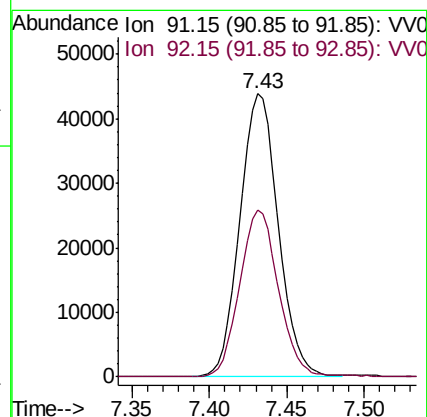
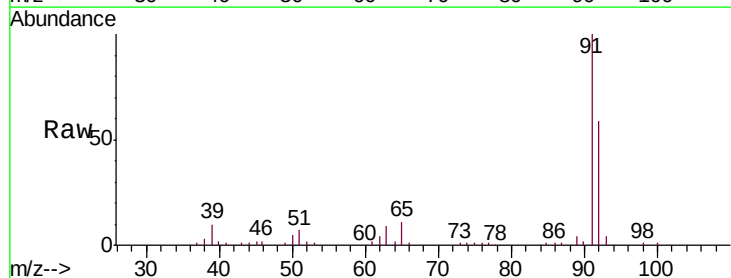
Acq: 24 Jul 2019 04:32

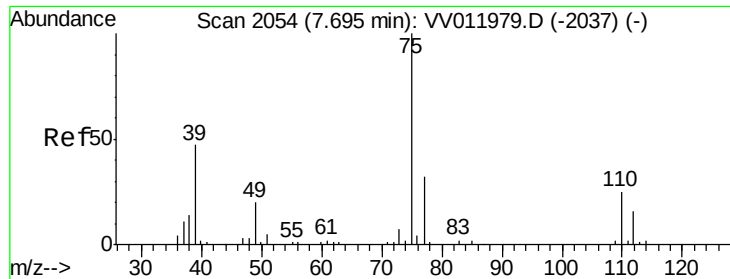
Tgt Ion: 91 Resp: 75766

Ion Ratio Lower Upper

91 100

92 59.1 41.9 77.9





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

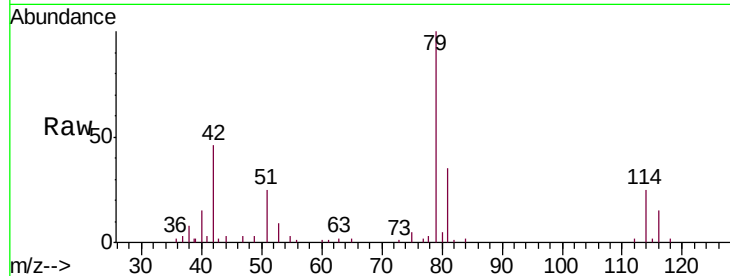
DB9A7

Tgt Ion: 75 Resp: 1032

Ion Ratio Lower Upper

75 100

77 45.9 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

600

500

400

300

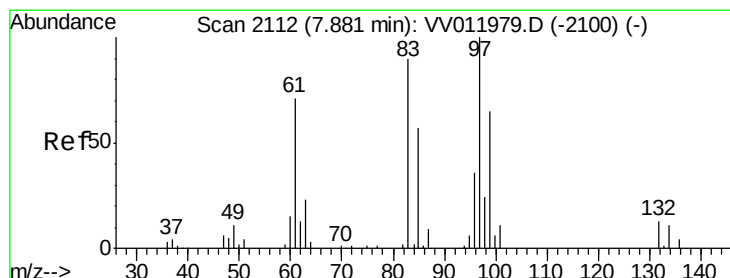
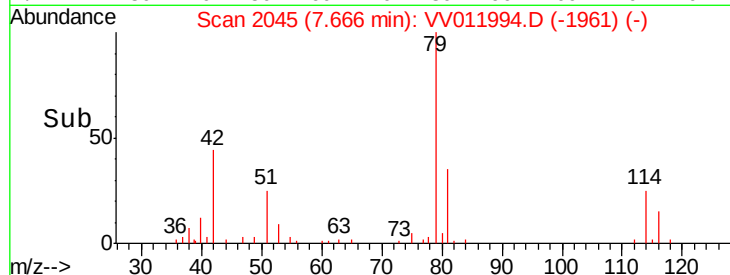
200

100

0

7.65 7.67 7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.020 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.05 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Tgt Ion: 97 Resp: 14431

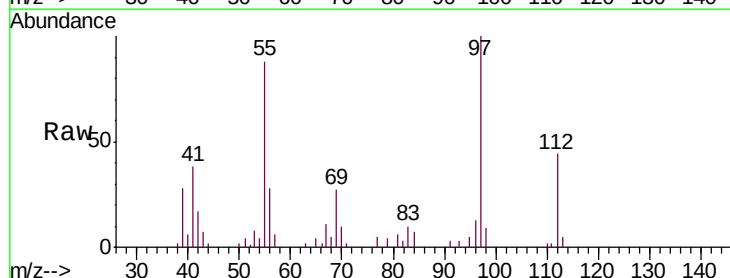
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.8#

83 10.2 59.5 110.5#

85 0.0 36.6 68.0#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

12000

10000

8000

6000

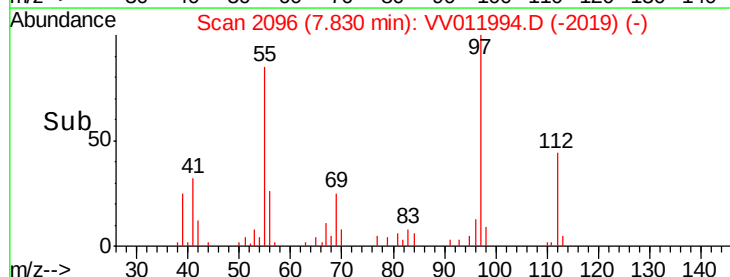
4000

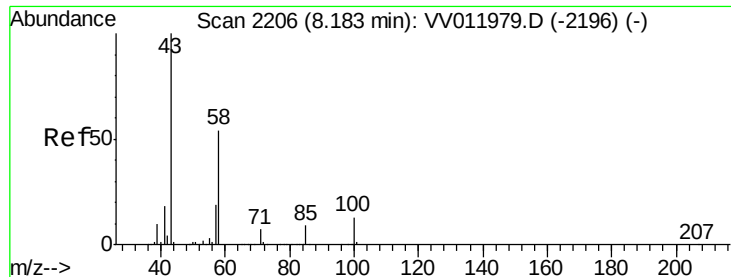
2000

0

7.80 7.83 7.85 7.90

Time-->

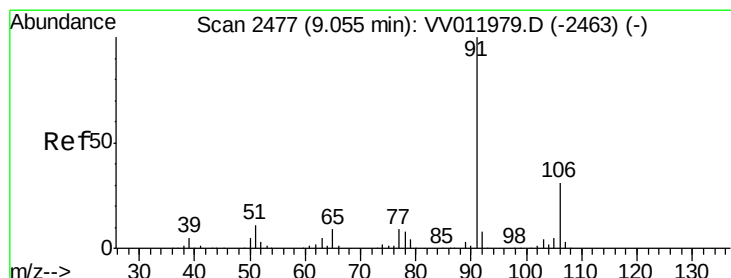
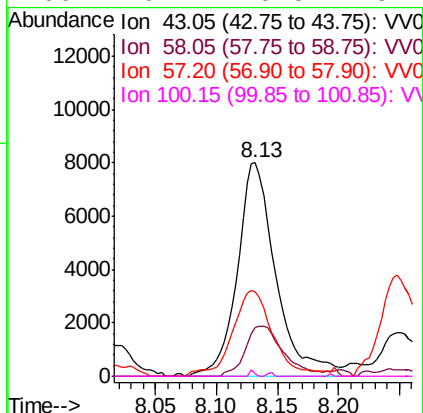
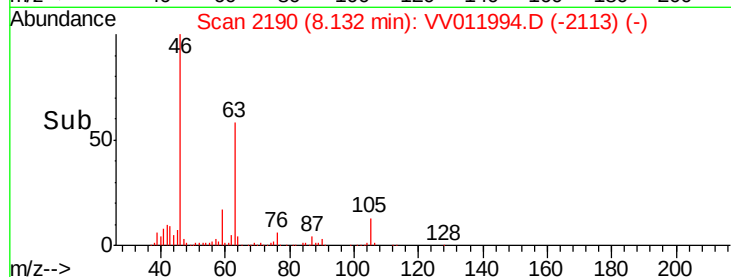
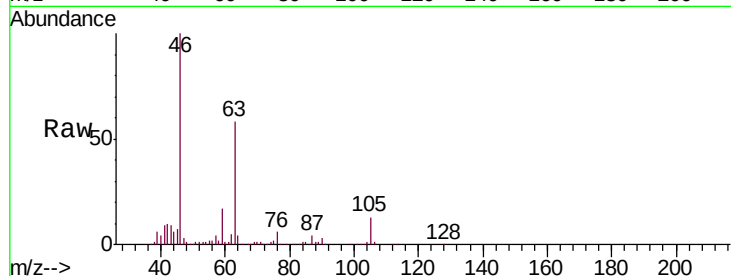




#48
2-Hexanone
Concen: 4.315 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011994.D
Acq: 24 Jul 2019 04:32

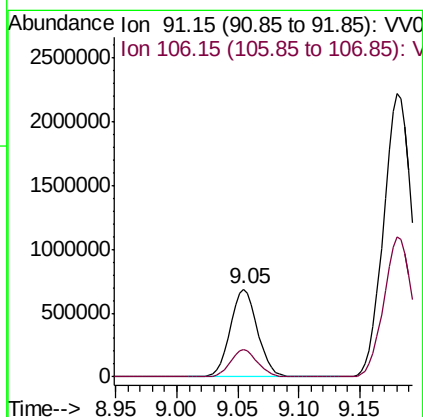
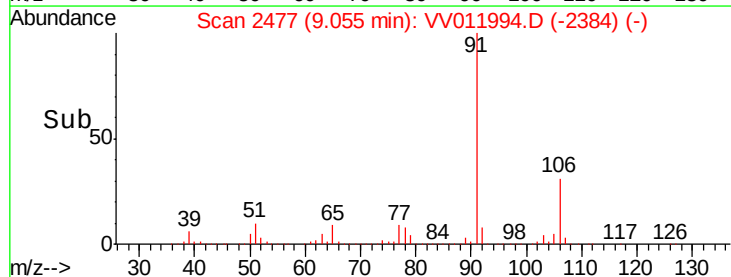
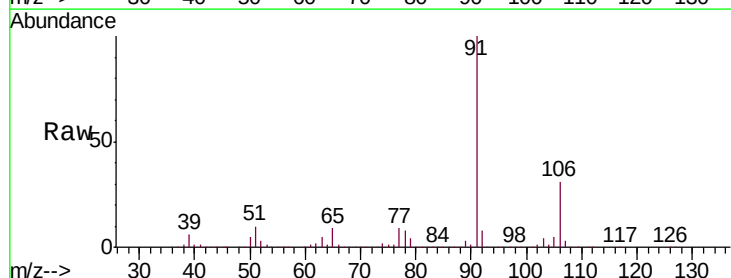
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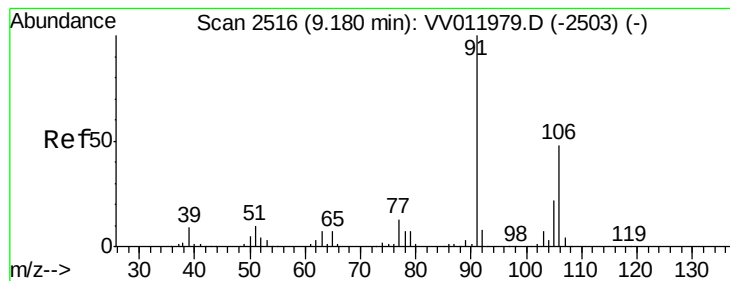
Tgt Ion: 43 Resp: 17495
Ion Ratio Lower Upper
43 100
58 23.0 43.7 65.5#
57 42.2 16.0 24.0#
100 0.4 10.5 15.7#



#52
Ethylbenzene
Concen: 20.275 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011994.D
Acq: 24 Jul 2019 04:32

Tgt Ion: 91 Resp: 1068808
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0





#53

m,p-xylene

Concen: 89.245 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

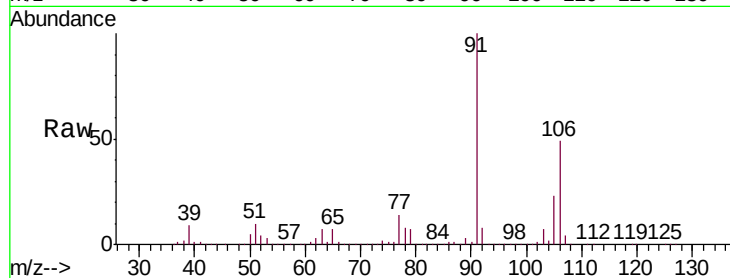
DB9A7

Tgt Ion:106 Resp: 1790839

Ion Ratio Lower Upper

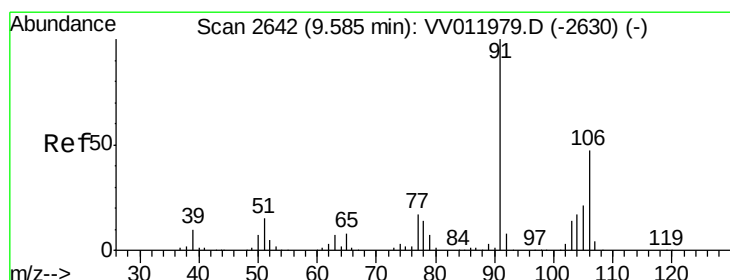
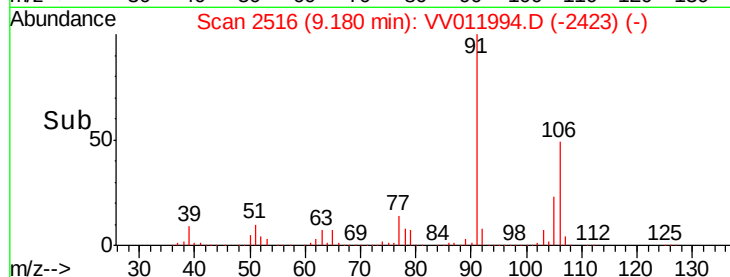
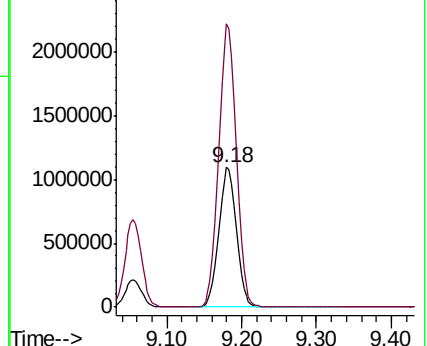
106 100

91 202.9 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 24.182 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011994.D

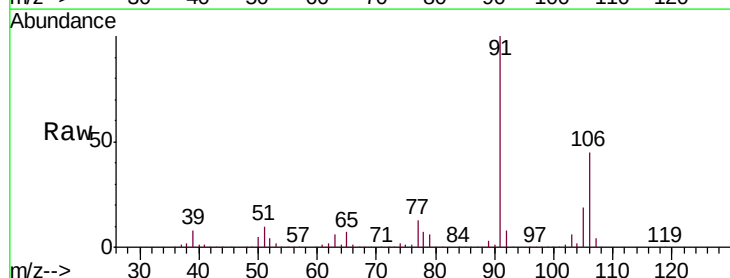
Acq: 24 Jul 2019 04:32

Tgt Ion:106 Resp: 460106

Ion Ratio Lower Upper

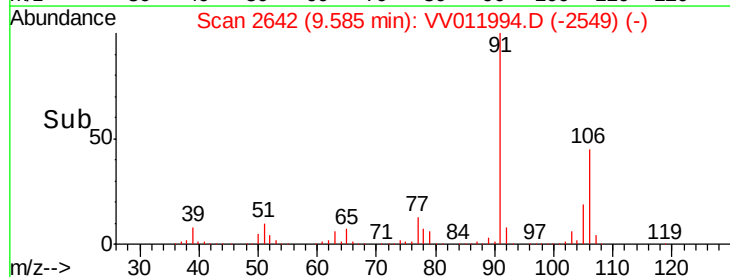
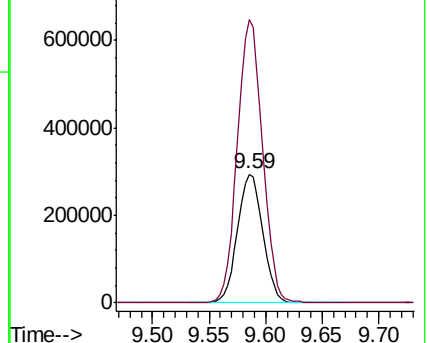
106 100

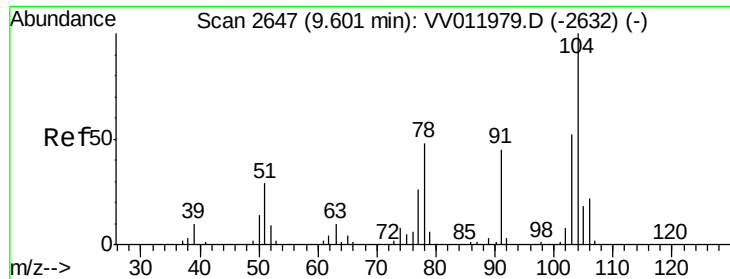
91 220.1 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.786 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.02 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

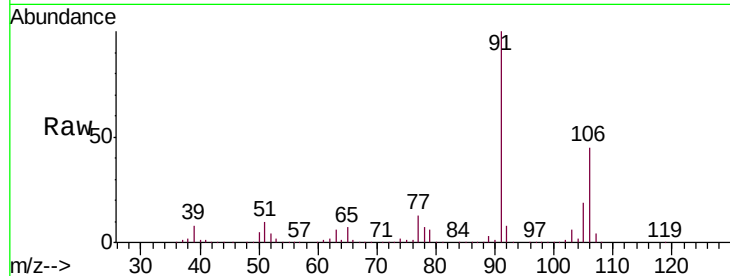
DB9A7

Tgt Ion:104 Resp: 25197

Ion Ratio Lower Upper

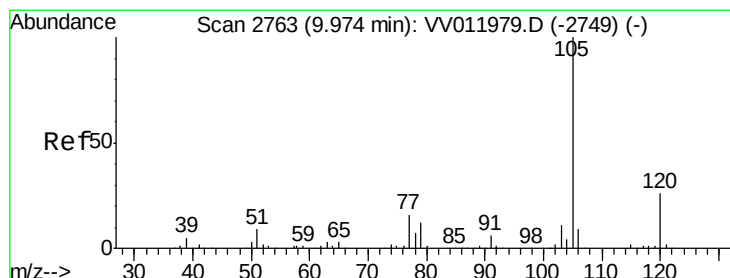
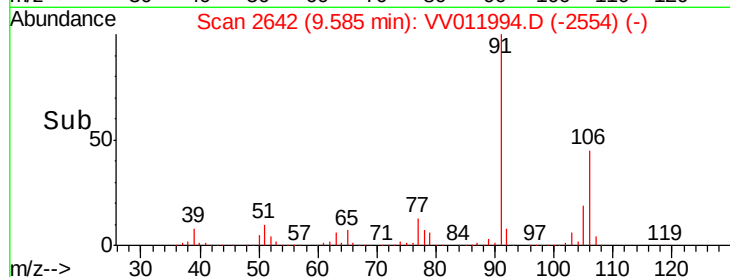
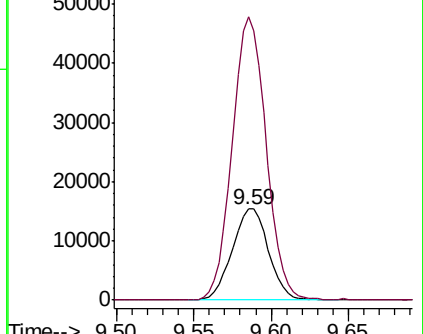
104 100

78 310.5 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.306 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

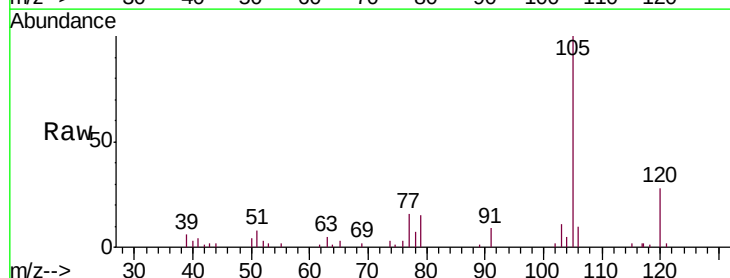
Tgt Ion:105 Resp: 16273

Ion Ratio Lower Upper

105 100

120 28.0 20.8 31.2

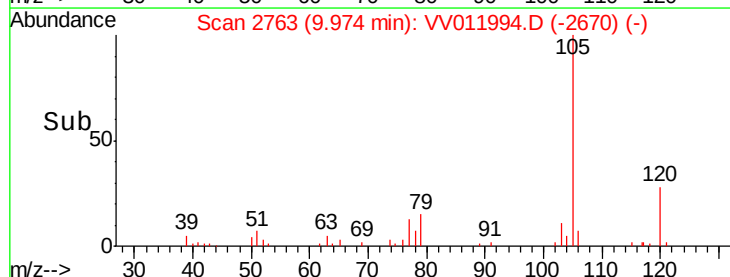
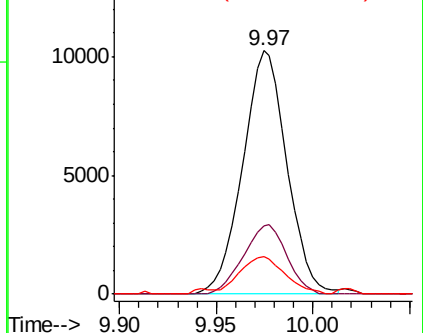
77 16.0 12.6 19.0

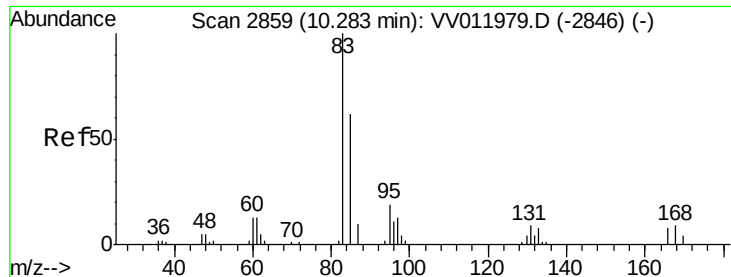


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.080 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Instrument :

MSVOA_V

ClientSampleId :

DB9A7

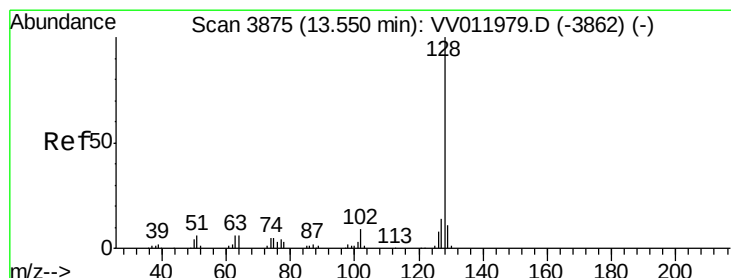
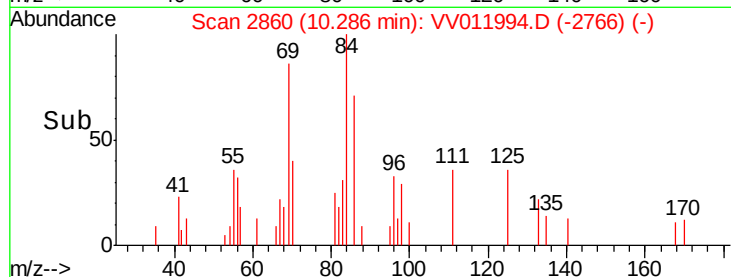
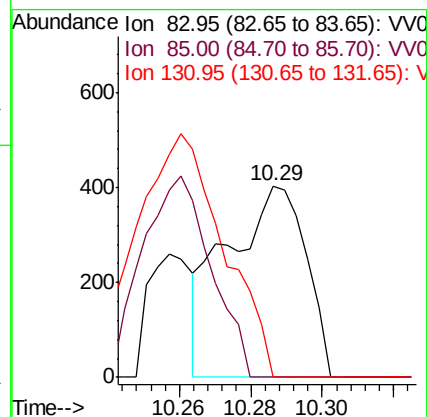
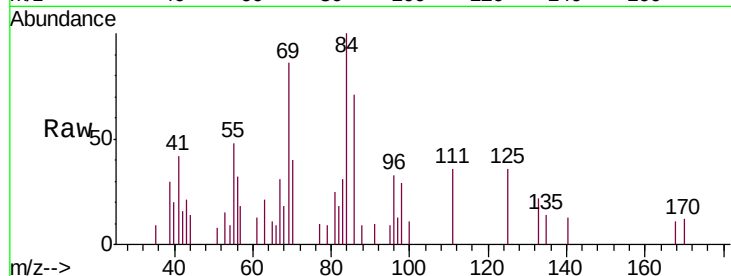
Tgt Ion: 83 Resp: 621

Ion Ratio Lower Upper

83 100

85 0.0 46.3 85.9#

131 0.0 8.9 13.3#



#69

Naphthalene

Concen: 0.119 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.01 min

Lab File: VV011994.D

Acq: 24 Jul 2019 04:32

Tgt Ion: 128 Resp: 3055

Ion Ratio Lower Upper

128 100

129 54.8 8.2 12.2#

127 25.0 10.8 16.2#

