

Data File : VV011993.D
Acq On : 24 Jul 2019 04:06
Operator : SY/MD
Sample : K3960-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB9A6

Quant Time: Jul 24 07:52:51 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	143739	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	73480	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32587	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.59	69	26936	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	54588	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.96	46	107028	49.01	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	4.40	84	90094	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	51971	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	181314	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	51701	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.36	98	170532	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.66	79	19712	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.14	63	88405	47.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37287	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	71001	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

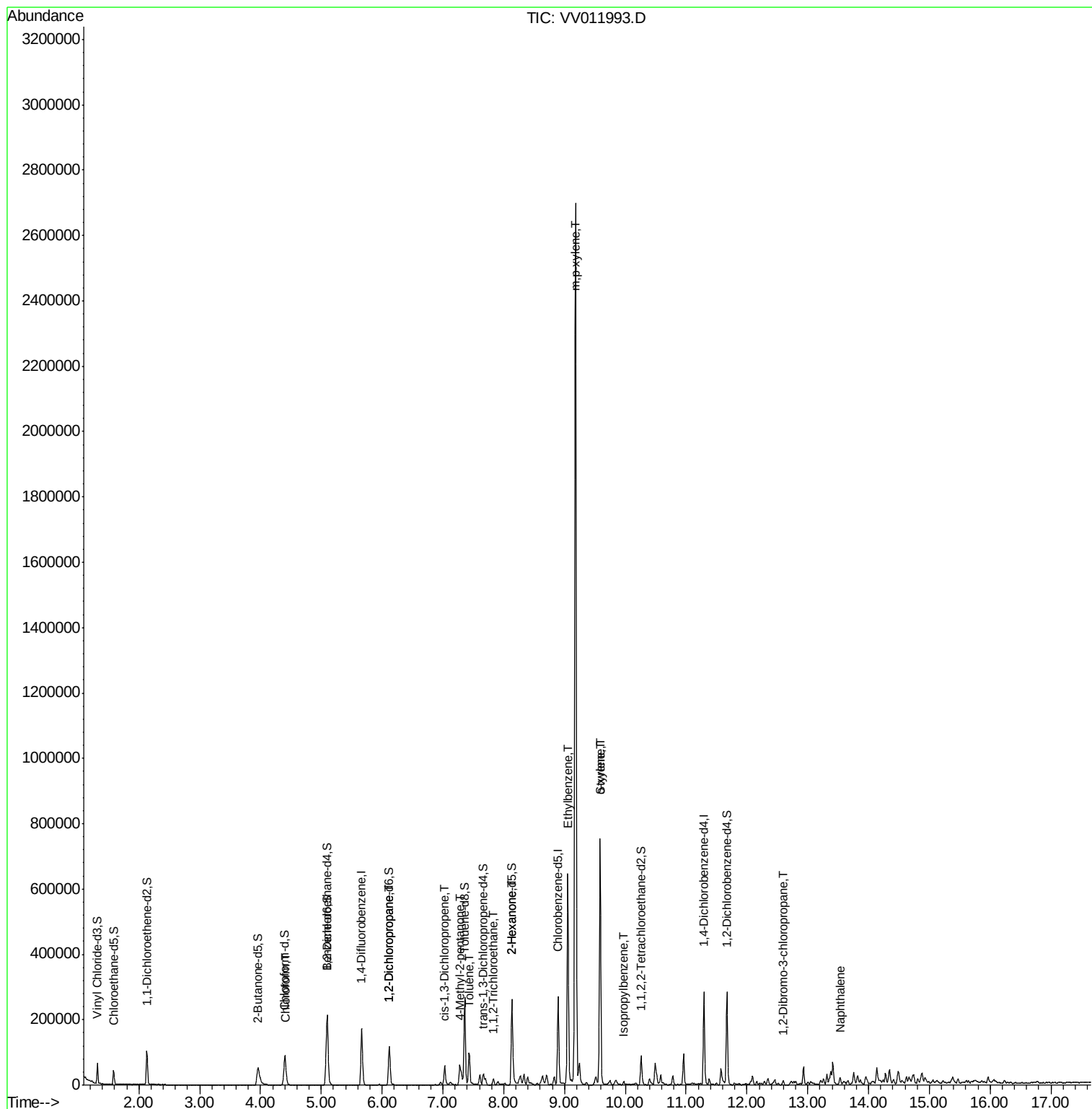
					Qvalue
25) Chloroform	4.43	83	3796	0.175 ug/L	94
37) 1,2-Dichloropropane	6.12	63	6876	0.679 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1466	0.098 ug/L #	67
40) 4-Methyl-2-pentanone	7.28	43	38831	6.867 ug/L	98
42) Toluene	7.43	91	70129	1.552 ug/L	98
45) 1,1,2-Trichloroethane	7.83	97	6365	0.911 ug/L #	19
48) 2-Hexanone	8.14	43	15413	3.886 ug/L #	62
52) Ethylbenzene	9.05	91	423766	8.216 ug/L	99
53) m,p-xylene	9.18	106	732719	37.322 ug/L	97
54) o-xylene	9.59	106	189125	10.160 ug/L	97
55) Styrene	9.59	104	10516	0.335 ug/L #	1
56) Isopropylbenzene	9.97	105	6536	0.126 ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.60	75	107	0.083 ug/L #	1
69) Naphthalene	13.54	128	2823	0.115 ug/L #	53

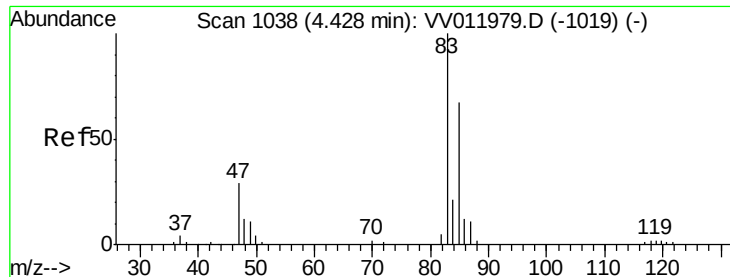
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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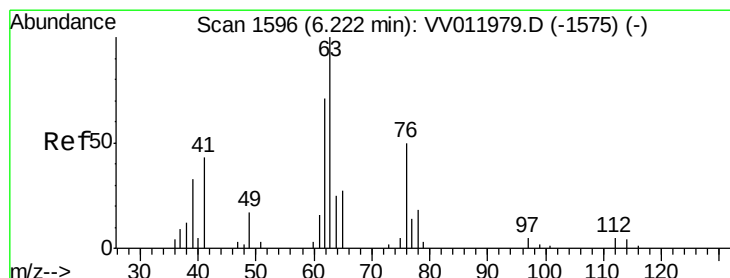
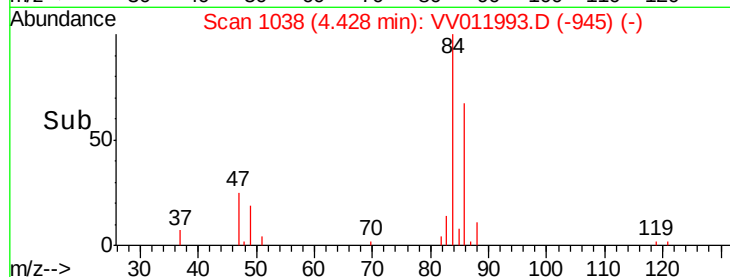
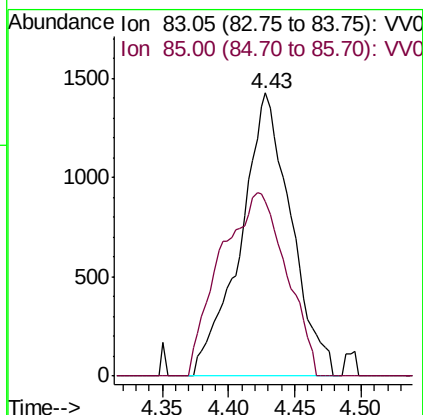
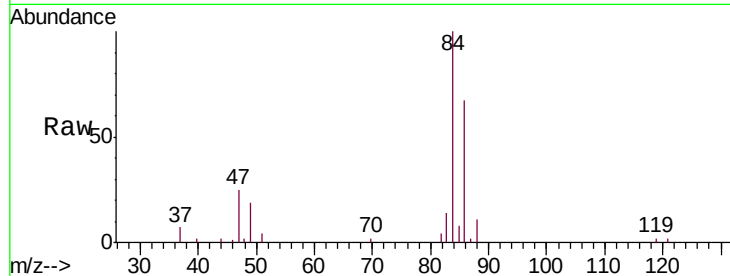




#25
Chloroform
Concen: 0.175 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011993.D
Acq: 24 Jul 2019 04:06

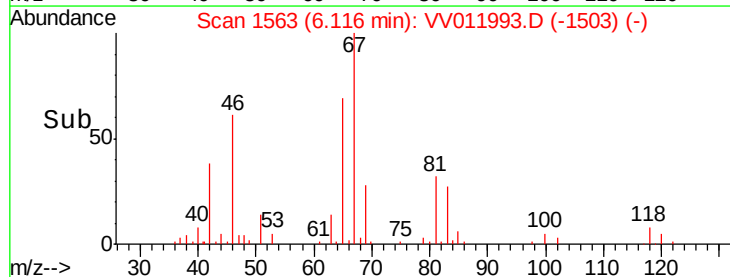
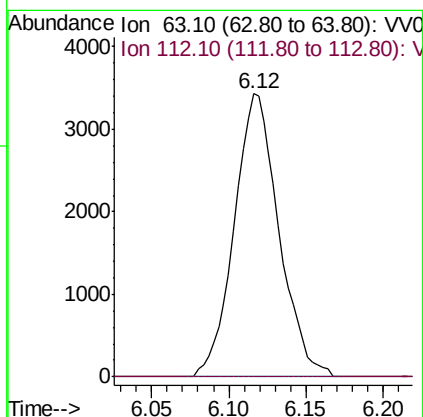
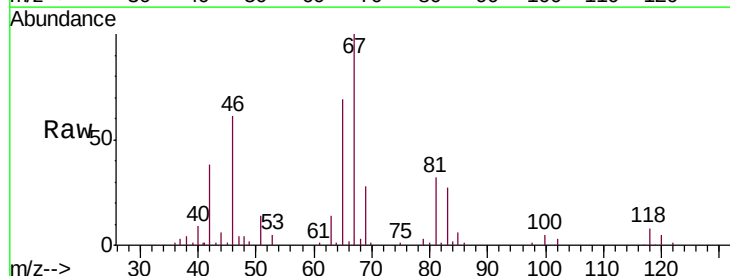
Instrument :
MSVOA_V
ClientSampleId :
DB9A6

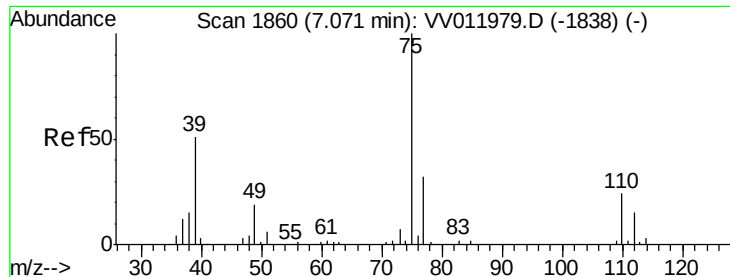
Tgt Ion: 83 Resp: 3796
Ion Ratio Lower Upper
83 100
85 61.8 46.5 86.3



#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV011993.D
Acq: 24 Jul 2019 04:06

Tgt Ion: 63 Resp: 6876
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

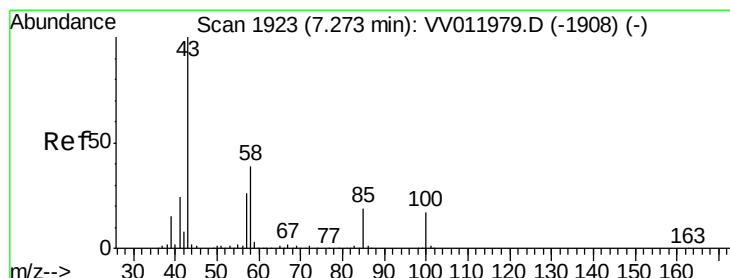
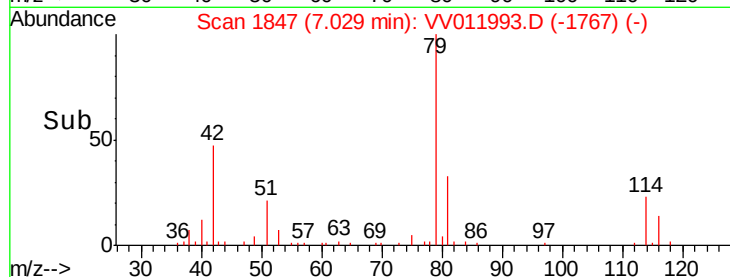
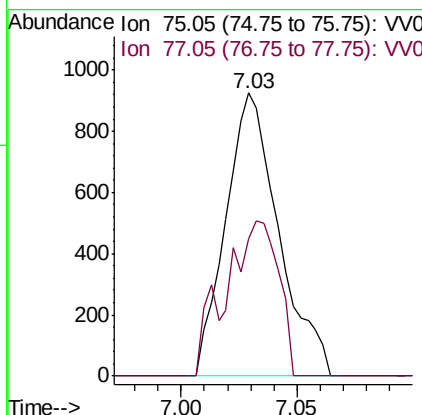
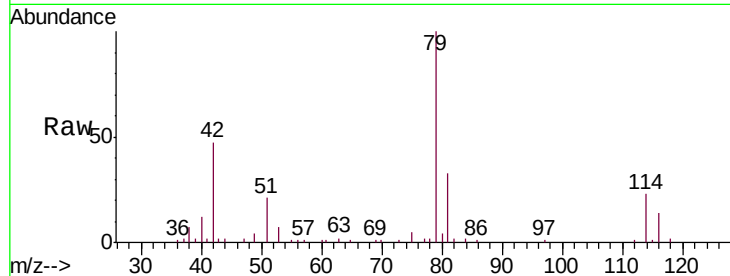




#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011993.D
 Acq: 24 Jul 2019 04:06

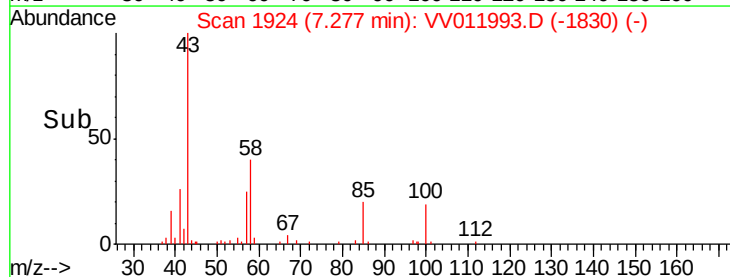
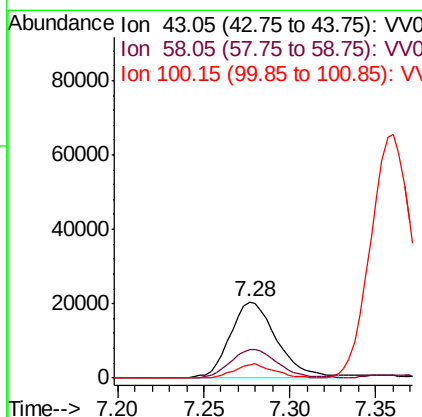
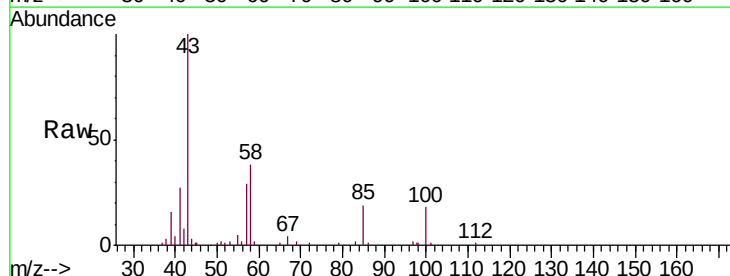
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A6

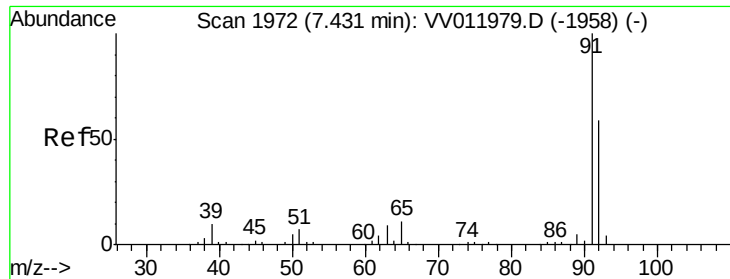
Tgt Ion: 75 Resp: 1466
 Ion Ratio Lower Upper
 75 100
 77 48.4 21.3 39.6#



#40
 4-Methyl-2-pentanone
 Concen: 6.867 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011993.D
 Acq: 24 Jul 2019 04:06

Tgt Ion: 43 Resp: 38831
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.2 46.8
 100 16.1 13.5 20.3





#42

Toluene

Concen: 1.552 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011993.D

Acq: 24 Jul 2019 04:06

Instrument :

MSVOA_V

ClientSampleId :

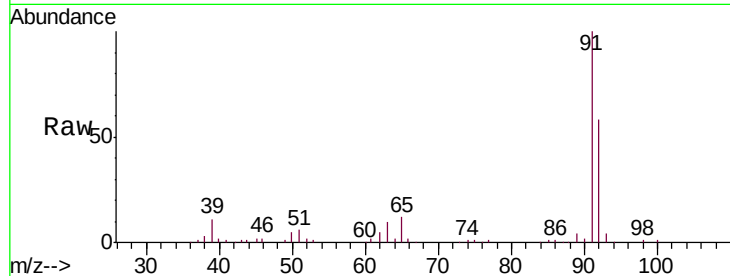
DB9A6

Tgt Ion: 91 Resp: 70129

Ion Ratio Lower Upper

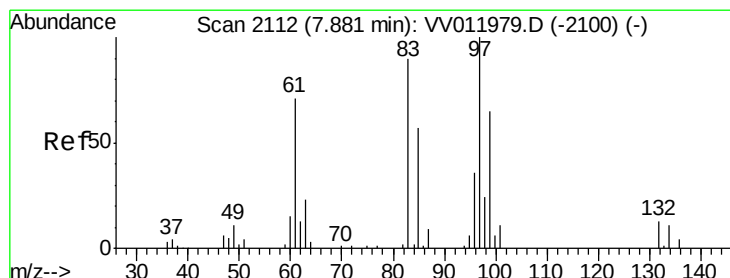
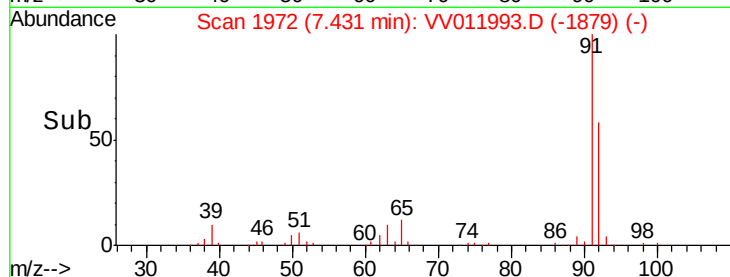
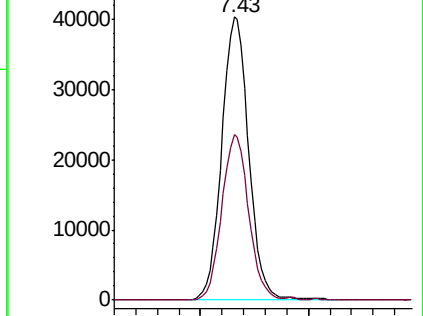
91 100

92 58.4 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV011979.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011979.D (-1958) (-)



#45

1,1,2-Trichloroethane

Concen: 0.911 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.05 min

Lab File: VV011993.D

Acq: 24 Jul 2019 04:06

Tgt Ion: 97 Resp: 6365

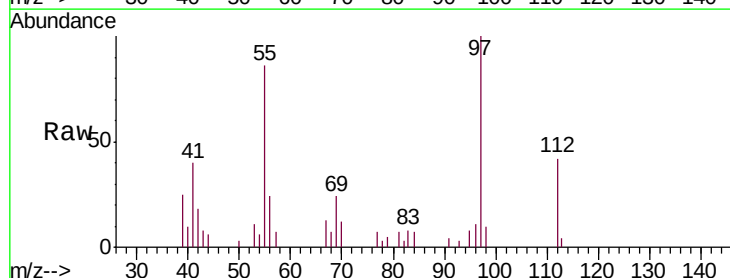
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.8#

83 7.6 59.5 110.5#

85 0.0 36.6 68.0#

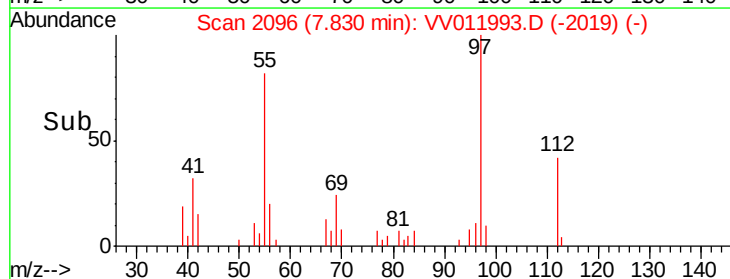
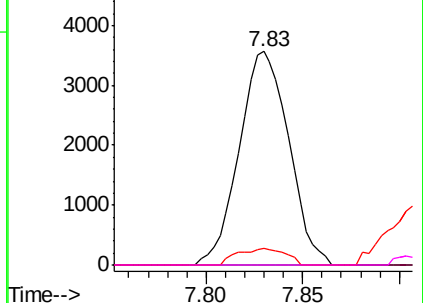


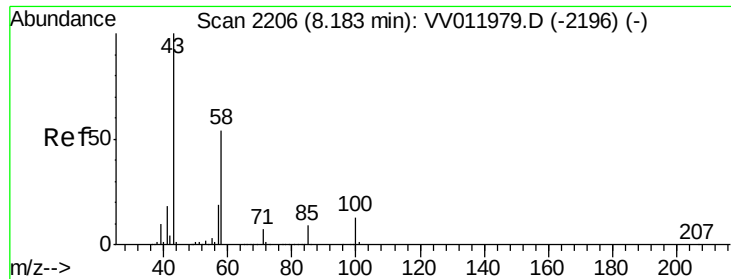
Abundance Ion 96.95 (96.65 to 97.65): VV011979.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV011979.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV011979.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV011979.D (-2100) (-)

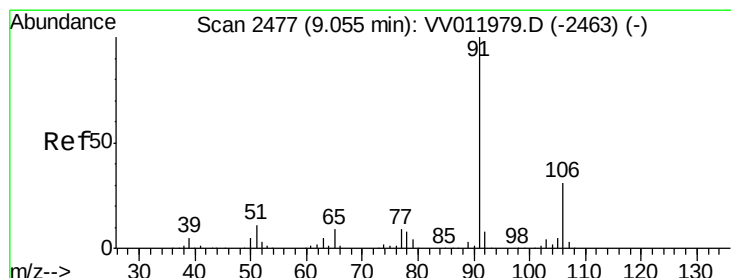
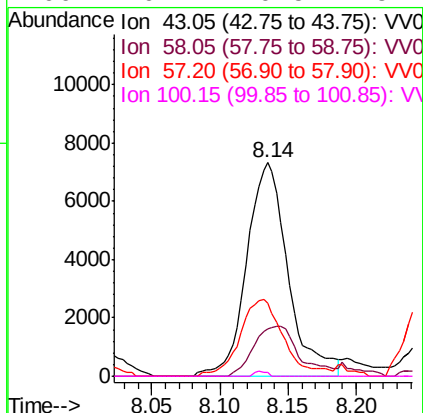
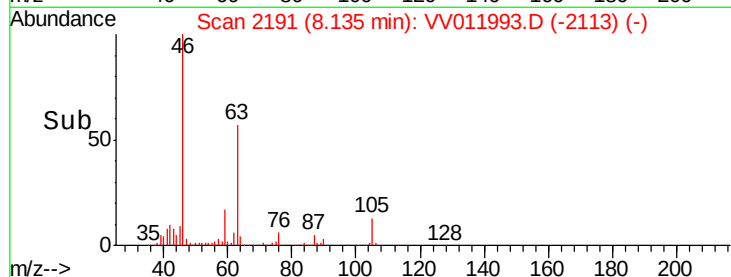
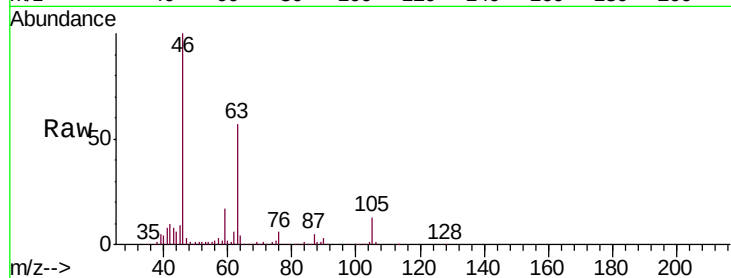




#48
2-Hexanone
Concen: 3.886 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011993.D
Acq: 24 Jul 2019 04:06

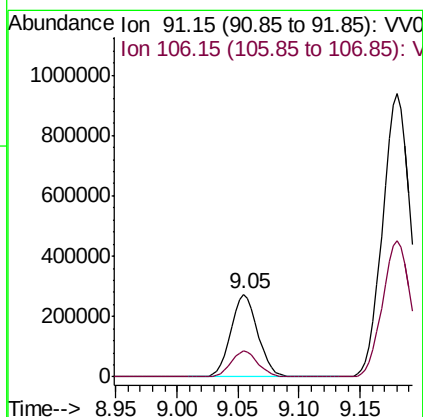
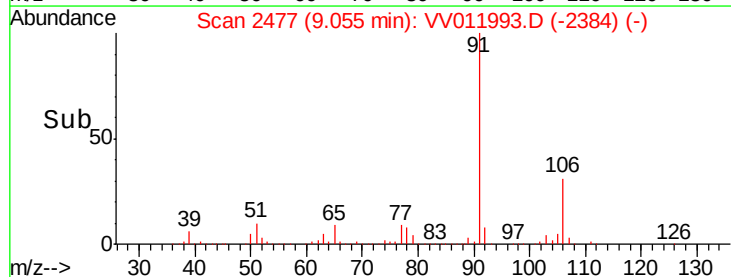
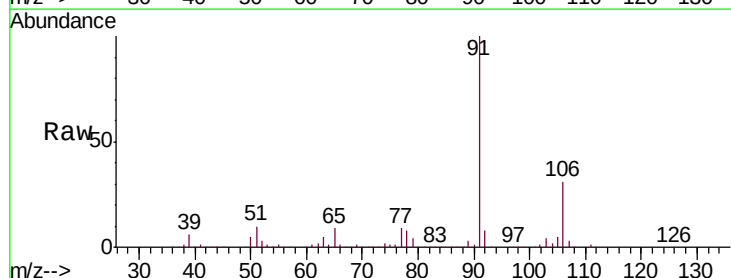
Instrument :
MSVOA_V
ClientSampled :
DB9A6

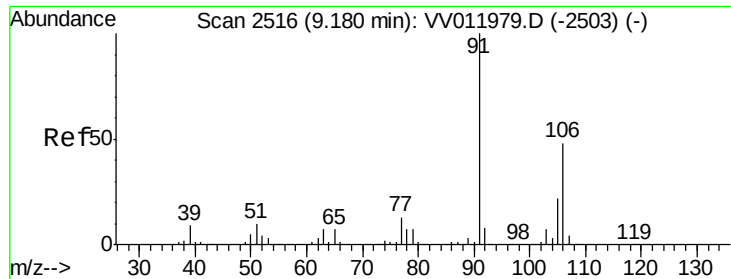
Tgt Ion: 43 Resp: 15413
Ion Ratio Lower Upper
43 100
58 25.8 43.7 65.5#
57 37.0 16.0 24.0#
100 0.7 10.5 15.7#



#52
Ethylbenzene
Concen: 8.216 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011993.D
Acq: 24 Jul 2019 04:06

Tgt Ion: 91 Resp: 423766
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0





#53

m,p-xylene

Concen: 37.322 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011993.D

Acq: 24 Jul 2019 04:06

Instrument :

MSVOA_V

ClientSampleId :

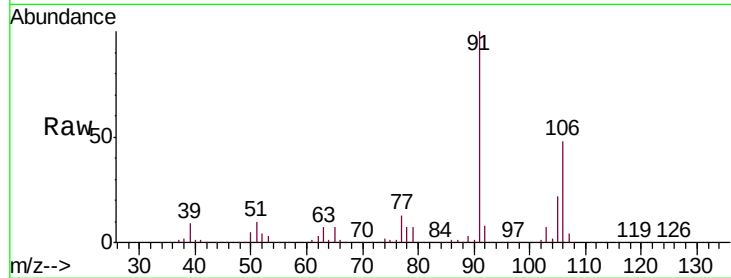
DB9A6

Tgt Ion:106 Resp: 732719

Ion Ratio Lower Upper

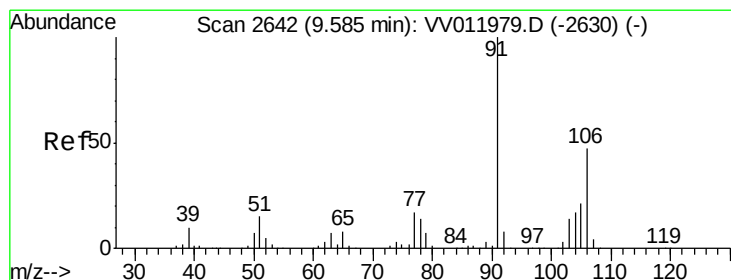
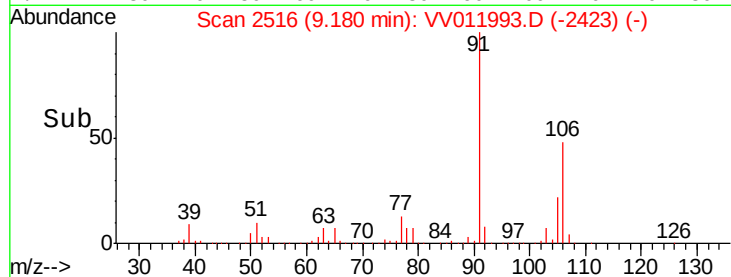
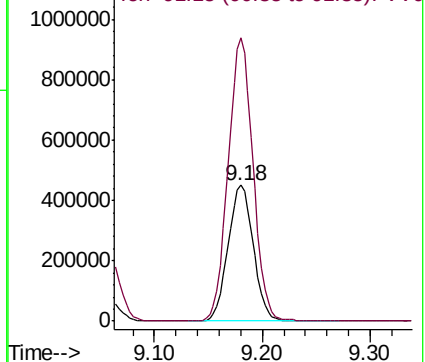
106 100

91 208.1 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 10.160 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011993.D

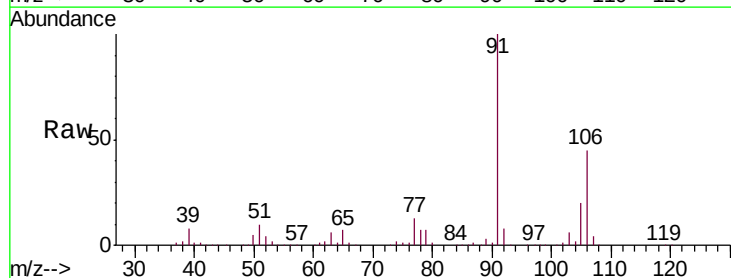
Acq: 24 Jul 2019 04:06

Tgt Ion:106 Resp: 189125

Ion Ratio Lower Upper

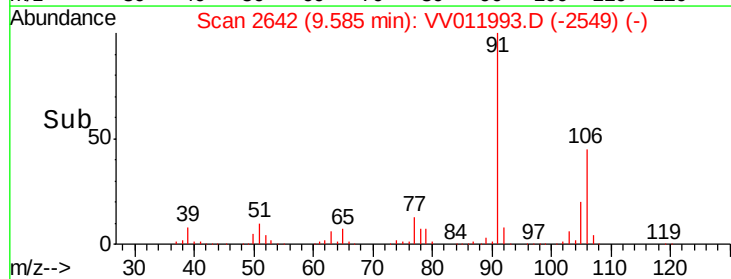
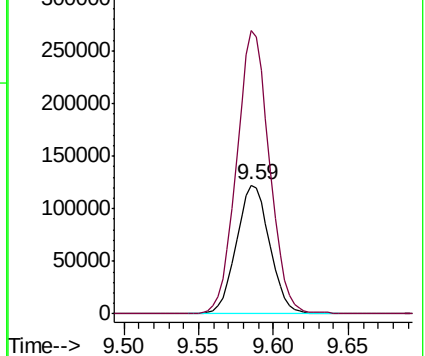
106 100

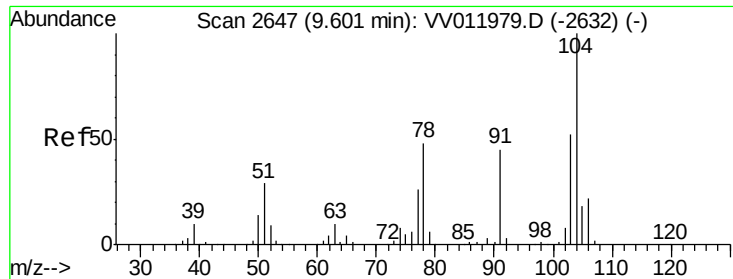
91 220.3 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.335 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.02 min

Lab File: VV011993.D

Acq: 24 Jul 2019 04:06

Instrument :

MSVOA_V

ClientSampleId :

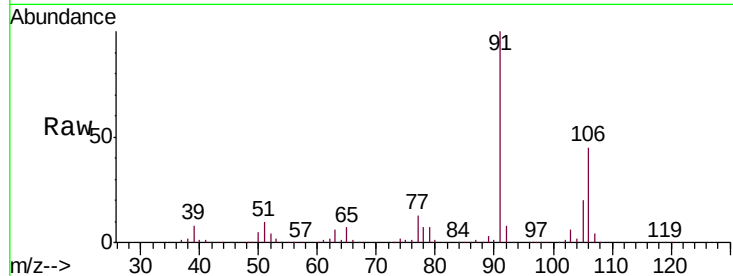
DB9A6

Tgt Ion:104 Resp: 10516

Ion Ratio Lower Upper

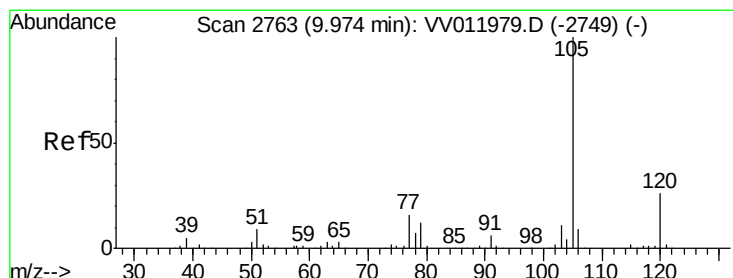
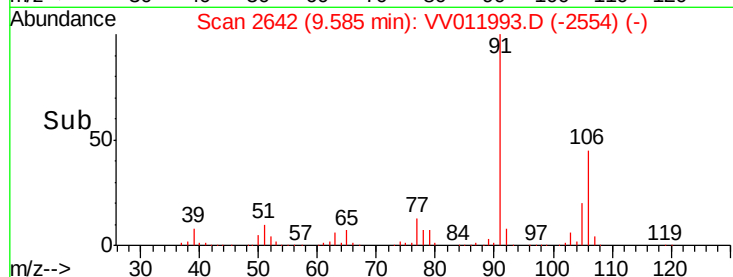
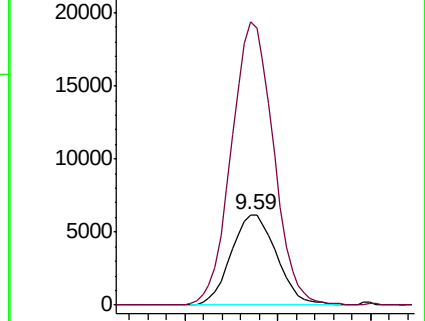
104 100

78 312.2 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: 0.126 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011993.D

Acq: 24 Jul 2019 04:06

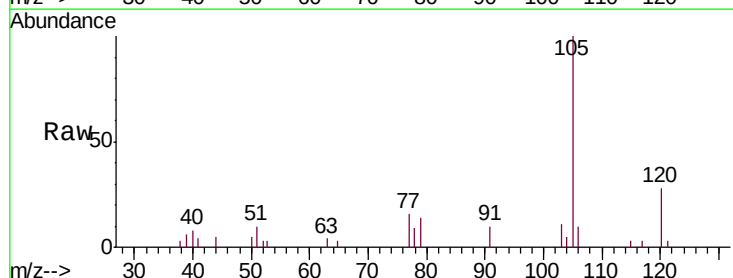
Tgt Ion:105 Resp: 6536

Ion Ratio Lower Upper

105 100

120 27.2 20.8 31.2

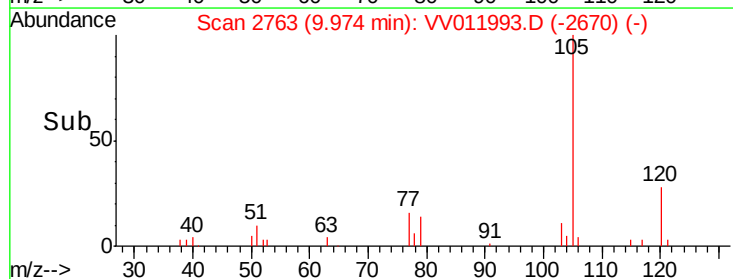
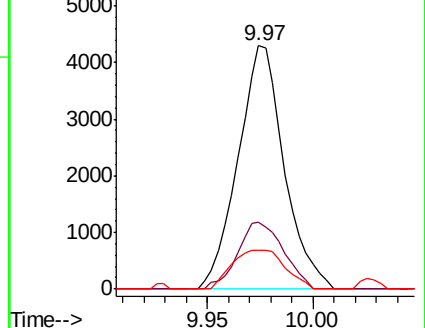
77 18.4 12.6 19.0

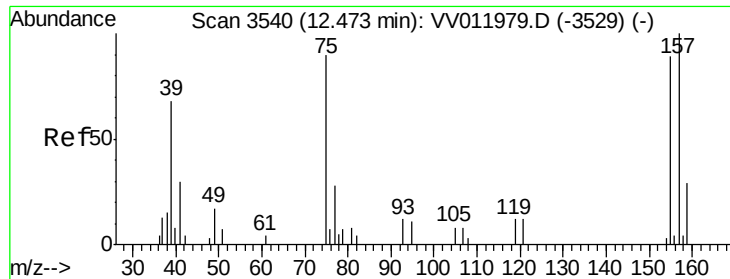


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

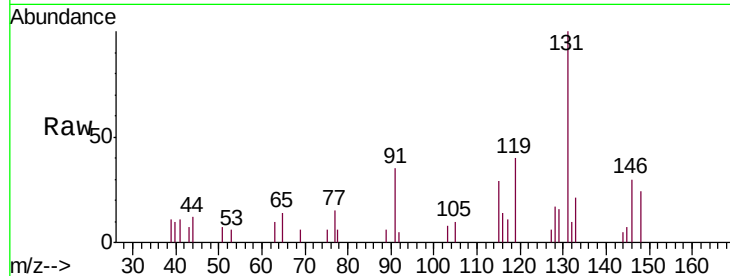




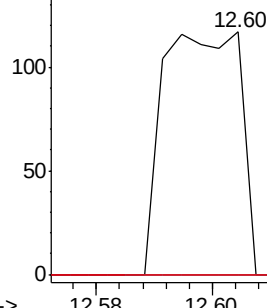
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.083 ug/L
 RT: 12.60 min Scan# 3581
 Delta R.T. 0.13 min
 Lab File: VV011993.D
 Acq: 24 Jul 2019 04:06

Instrument :
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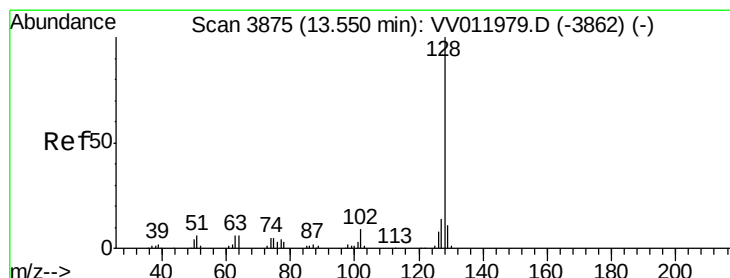
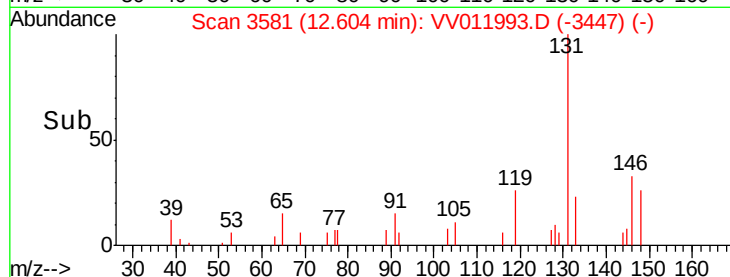
Tgt Ion: 75 Resp: 107
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 96.2 144.2#



Abundance Ion 75.05 (74.75 to 75.75): VV011979.D (-3529) (-)
 Ion 154.95 (154.65 to 155.65): VV011979.D (-3529) (-)
 Ion 156.90 (156.60 to 157.60): VV011979.D (-3529) (-)

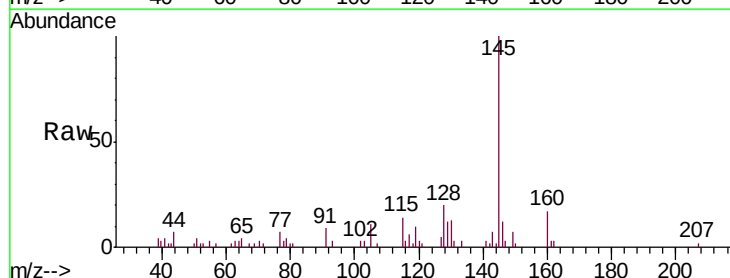


Time-->

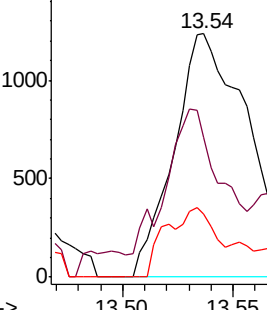


#69
 Naphthalene
 Concen: 0.115 ug/L
 RT: 13.54 min Scan# 3871
 Delta R.T. -0.01 min
 Lab File: VV011993.D
 Acq: 24 Jul 2019 04:06

Tgt Ion: 128 Resp: 2823
 Ion Ratio Lower Upper
 128 100
 129 43.9 8.2 12.2#
 127 19.2 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): VV011979.D (-3862) (-)
 Ion 129.00 (128.70 to 129.70): VV011979.D (-3862) (-)
 Ion 127.00 (126.70 to 127.70): VV011979.D (-3862) (-)



Time-->

