

Data File : VU030458.D
Acq On : 26 Mar 2019 21:03
Operator : JC/SP
Sample : K2063-03DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R5DL

Quant Time: Mar 27 06:05:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	443690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	422847	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	181338	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161913	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.68%
7) Chloroethane-d5	1.67	69	135573	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.27	63	234493	34.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.24%
21) 2-Butanone-d5	4.17	46	350479	104.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.41%
24) Chloroform-d	4.64	84	294234	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
26) 1,2-Dichloroethane-d4	5.31	65	201782	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
32) Benzene-d6	5.34	84	592563	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.32	67	210734	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.58%
41) Toluene-d8	7.56	98	511658	46.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.96%
43) trans-1,3-Dichloropropene-	7.85	79	90912	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.20%
47) 2-Hexanone-d5	8.31	63	228233	101.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293827	49.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	183243	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1978	0.611	ug/L #	21
27) 1,2-Dichloroethane	5.39	62	4965	0.974	ug/L #	75
29) Cyclohexane	4.99	56	14712	2.299	ug/L	94
33) Benzene	5.39	78	486063	33.768	ug/L	100
35) Methylcyclohexane	6.41	83	9951	1.709	ug/L #	94
42) Toluene	7.63	91	1771925	118.613	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3712	0.719	ug/L #	78
48) 2-Hexanone	8.31	43	30419	5.409	ug/L #	68
50) 1,2-Dibromoethane	8.59	107	6047	1.632	ug/L	93
51) Chlorobenzene	9.12	112	9329	1.030	ug/L	95
52) Ethylbenzene	9.25	91	263319	16.272	ug/L	98
53) m,p-Xylene	9.37	106	345011	59.046	ug/L	98
54) o-xylene	9.77	106	152729	26.788	ug/L	99
56) Isopropylbenzene	10.17	105	11103	0.735	ug/L #	97
59) 1,2,3-Trichloropropane	11.48	75	27596	5.550	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	6127	1.004	ug/L	86
65) 1,2-Dichlorobenzene	11.88	146	7379	1.231	ug/L #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Quantitation Report (Not Reviewed)

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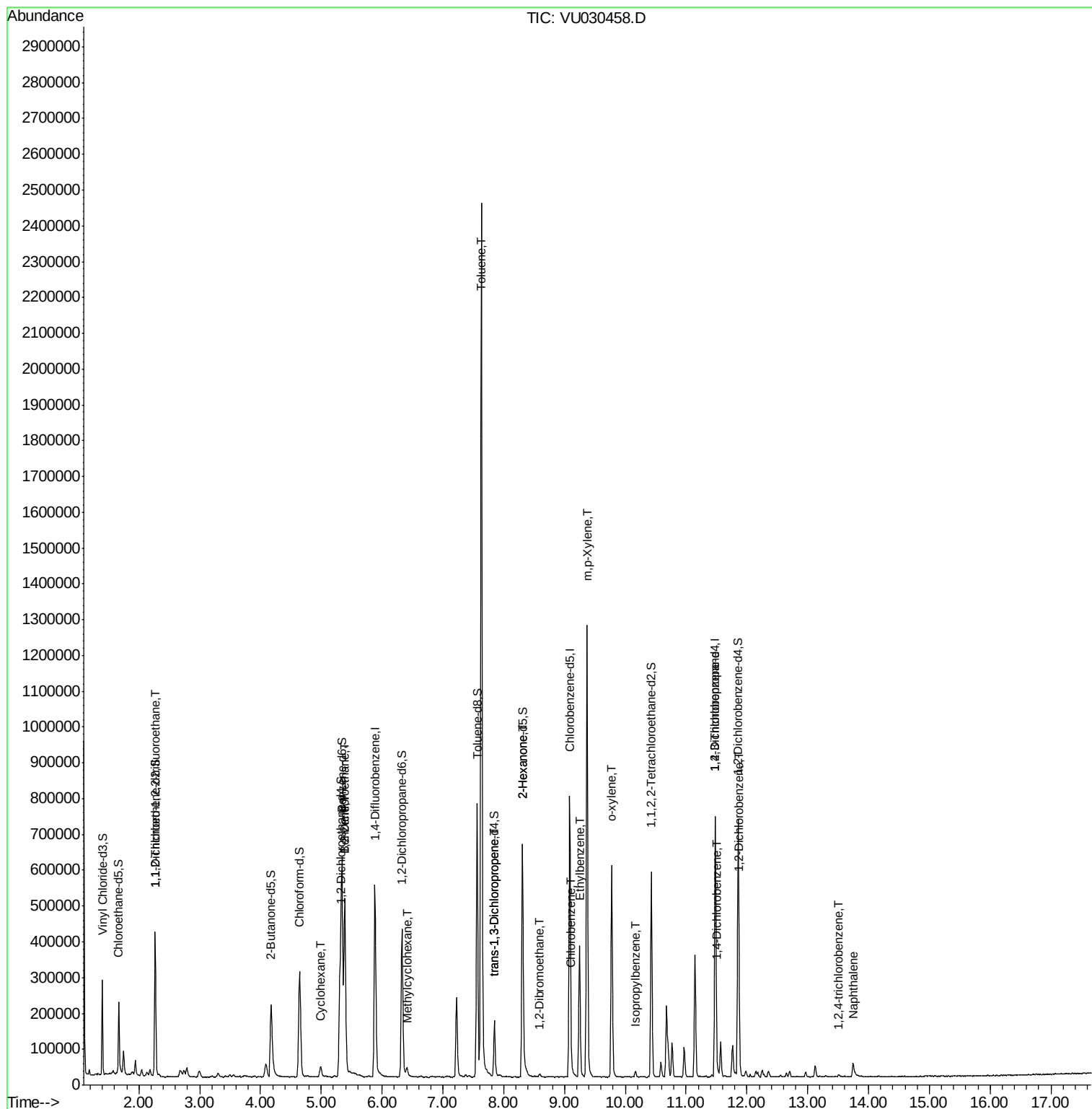
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	1787	0.463	ug/L #	85
69) Naphthalene	13.75	128	47937	3.495	ug/L	98

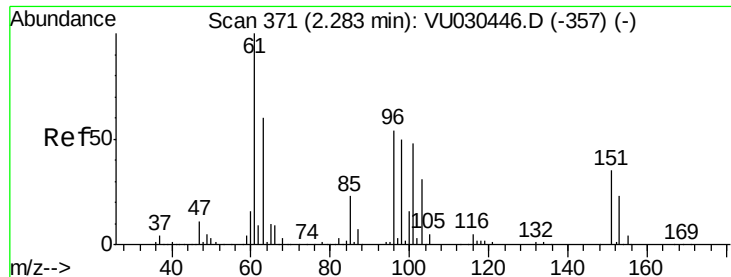
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.611 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

Instrument :

MSVOA_U

ClientSampleId :

DB6R5DL

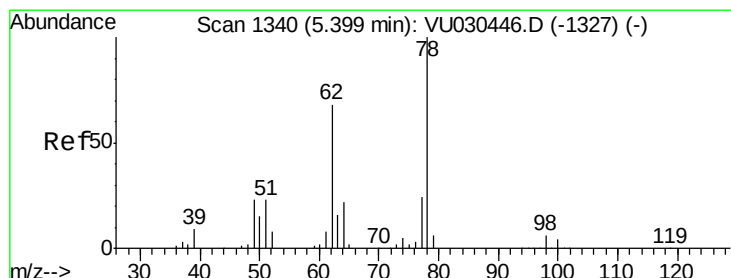
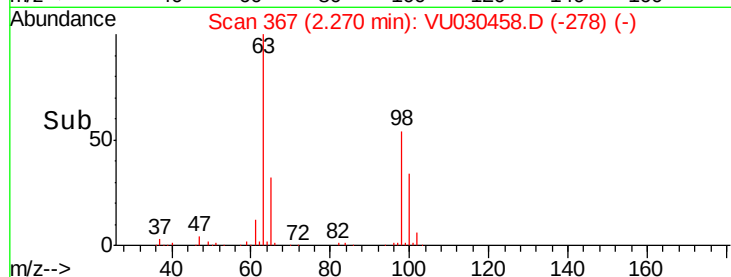
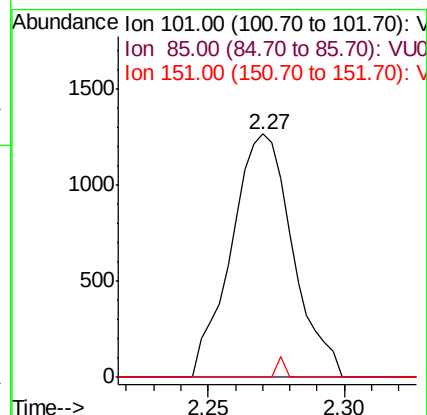
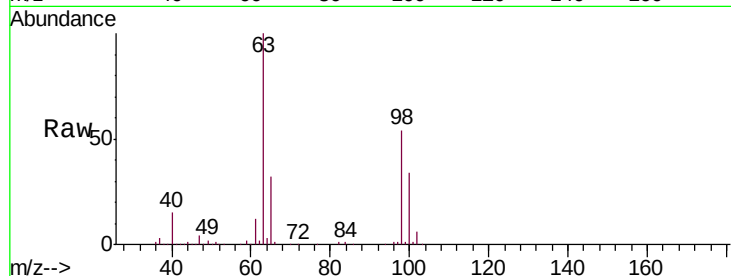
Tgt Ion: 101 Resp: 1978

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#27

1,2-Dichloroethane

Concen: 0.974 ug/L

RT: 5.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VU030458.D

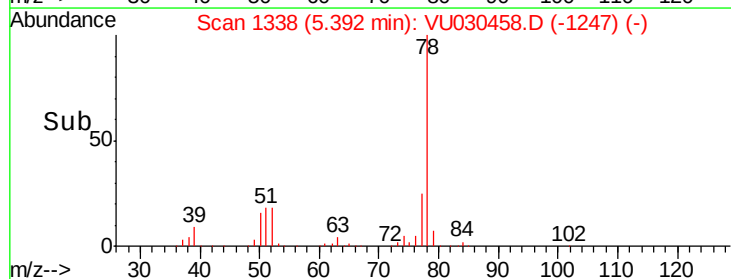
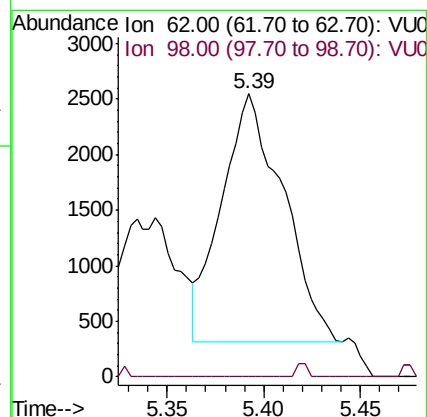
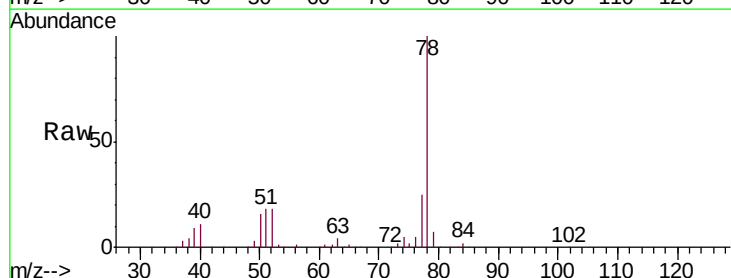
Acq: 26 Mar 2019 21:03

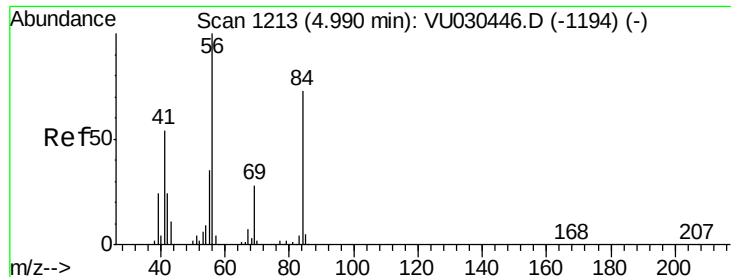
Tgt Ion: 62 Resp: 4965

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

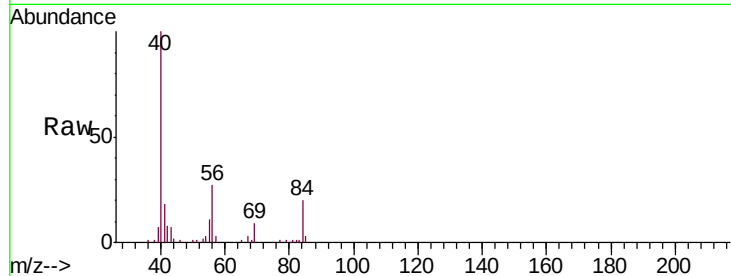




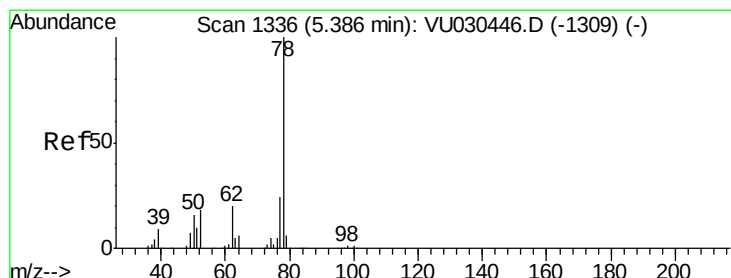
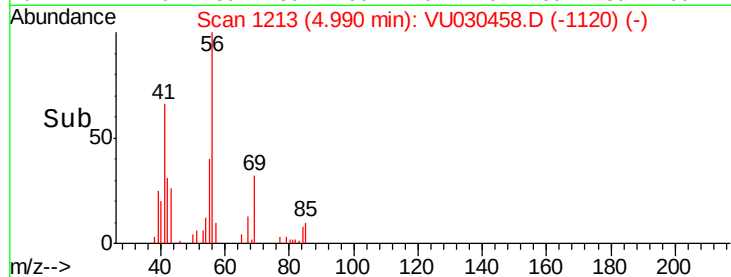
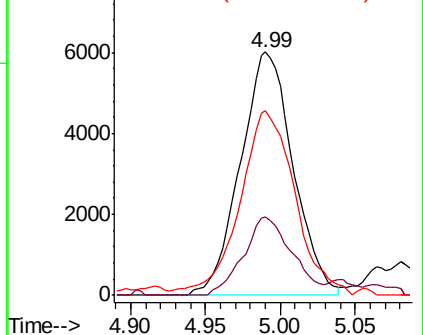
#29
Cyclohexane
Concen: 2.299 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

Instrument :
MSVOA_U
ClientSampleId :
DB6R5DL

Tgt Ion: 56 Resp: 14712
Ion Ratio Lower Upper
56 100
69 29.7 22.9 34.3
84 79.6 58.9 88.3

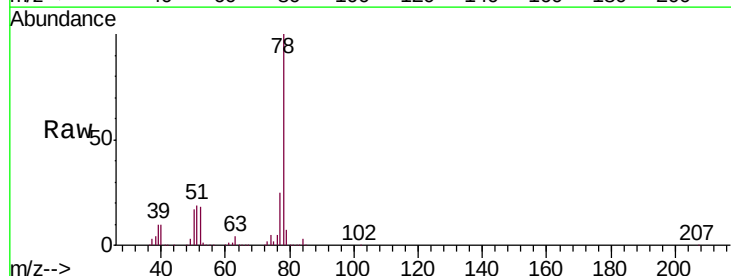


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

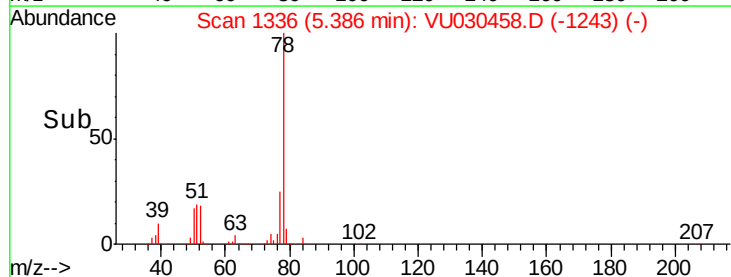
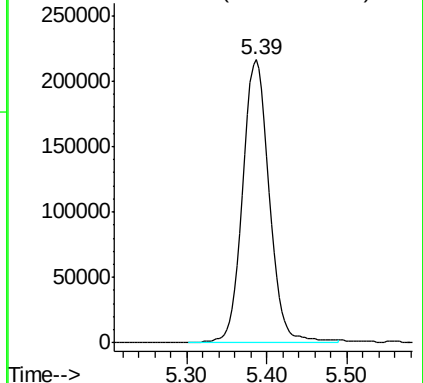


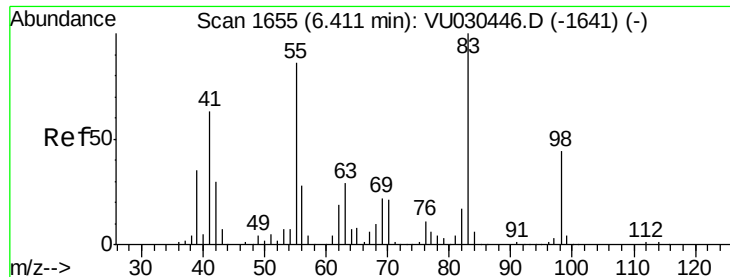
#33
Benzene
Concen: 33.768 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

Tgt Ion: 78 Resp: 486063



Abundance Ion 78.00 (77.70 to 78.70): VU0

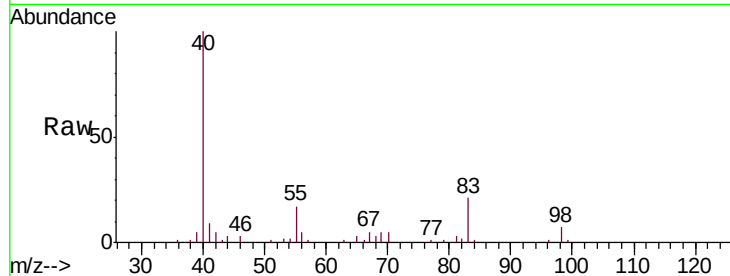




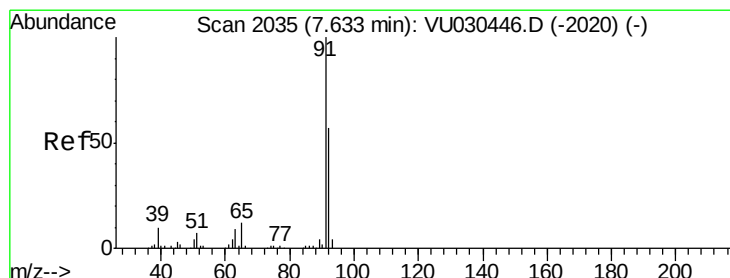
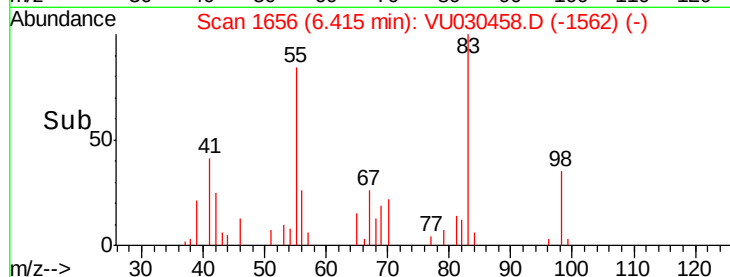
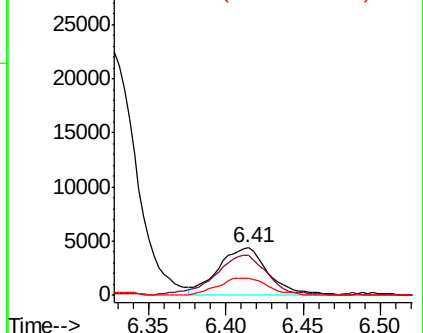
#35
Methylcyclohexane
Concen: 1.709 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

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Tgt Ion: 83 Resp: 9951
Ion Ratio Lower Upper
83 100
55 87.6 71.4 107.0
98 35.5 36.0 54.0#

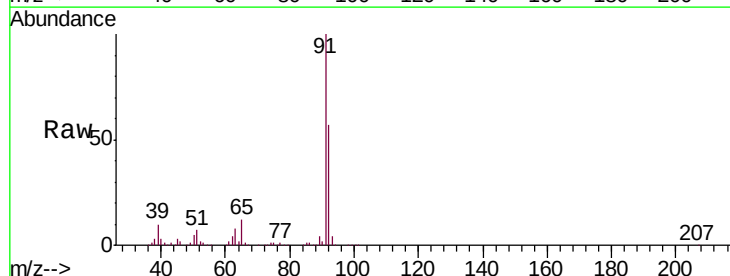


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

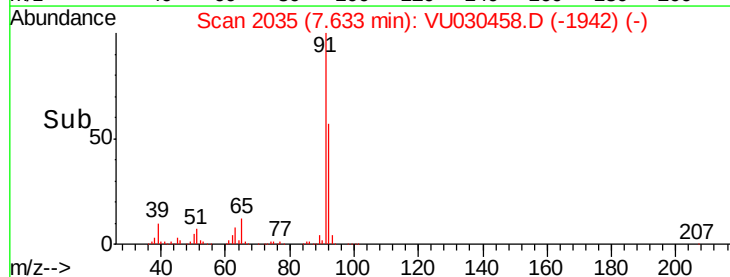
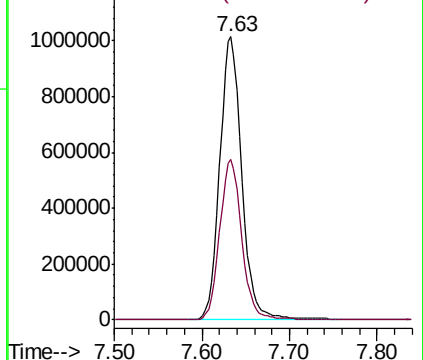


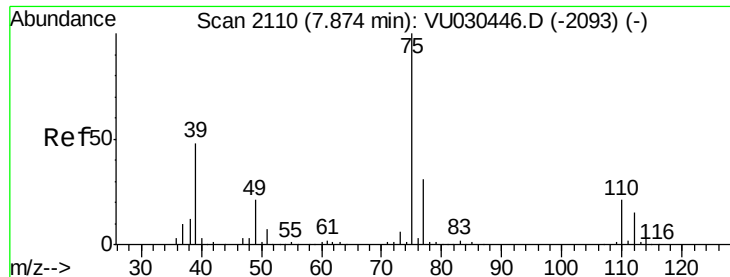
#42
Toluene
Concen: 118.613 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

Tgt Ion: 91 Resp: 1771925
Ion Ratio Lower Upper
91 100
92 56.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

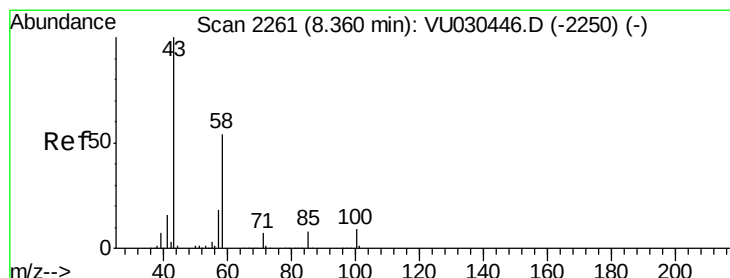
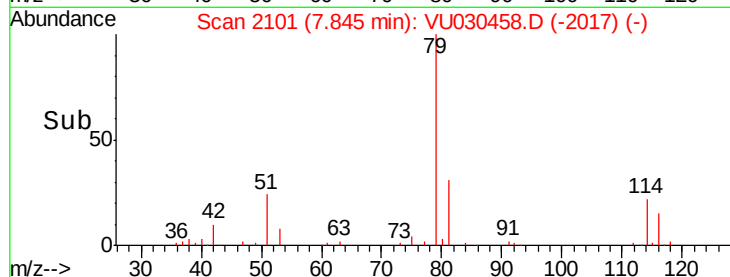
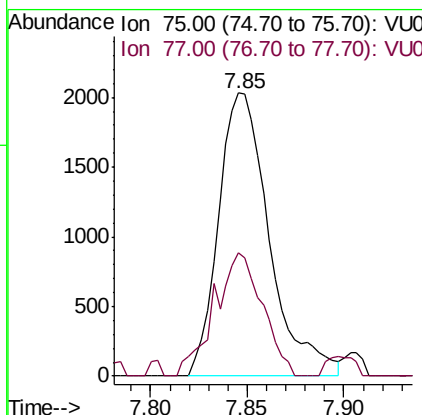
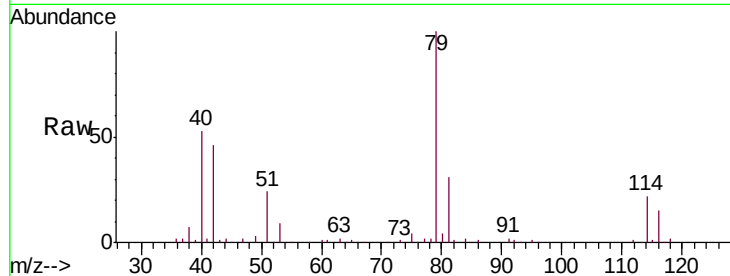




#44
 trans-1,3-Dichloropropene
 Concen: 0.719 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU030458.D
 Acq: 26 Mar 2019 21:03

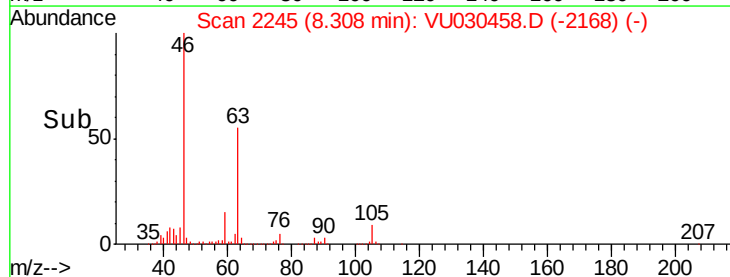
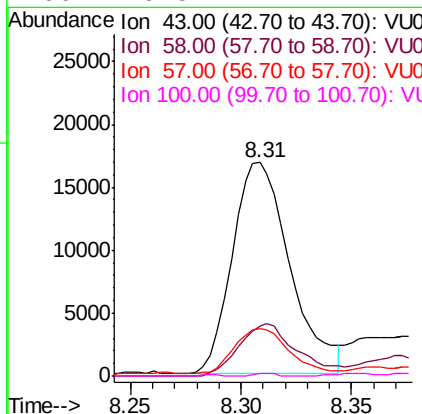
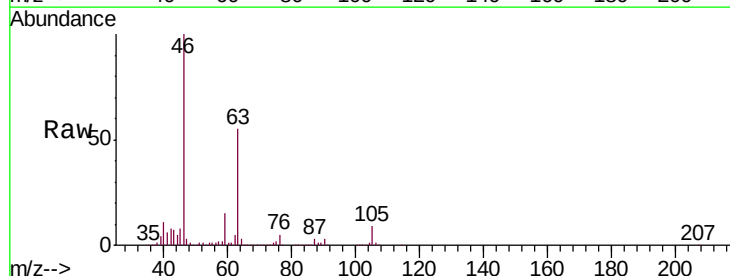
Instrument :
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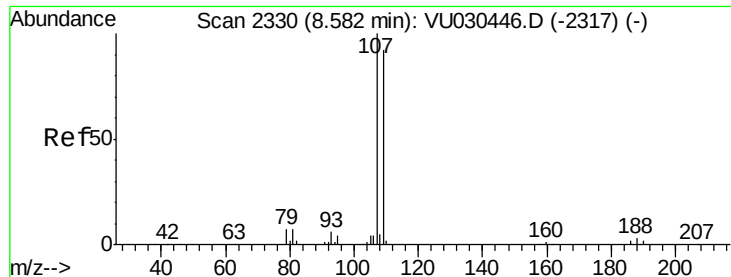
Tgt Ion: 75 Resp: 3712
 Ion Ratio Lower Upper
 75 100
 77 43.7 22.0 40.8#



#48
 2-Hexanone
 Concen: 5.409 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU030458.D
 Acq: 26 Mar 2019 21:03

Tgt Ion: 43 Resp: 30419
 Ion Ratio Lower Upper
 43 100
 58 24.2 42.5 63.7#
 57 22.9 15.0 22.6#
 100 0.5 7.4 11.2#

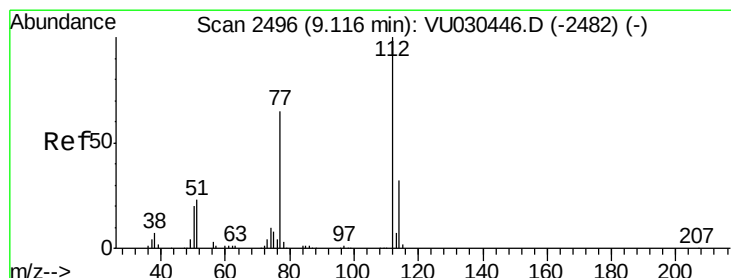
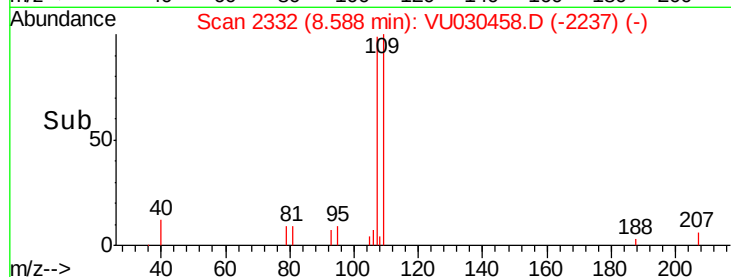
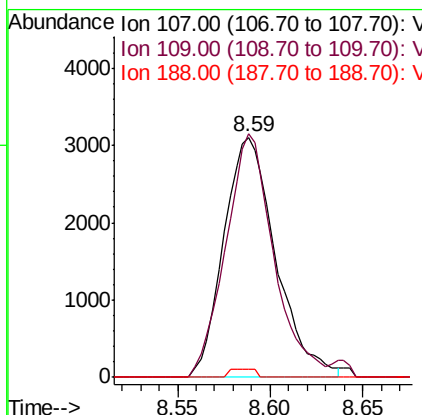
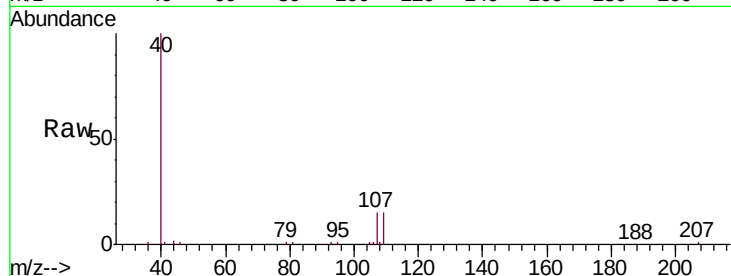




#50
1,2-Dibromoethane
Concen: 1.632 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

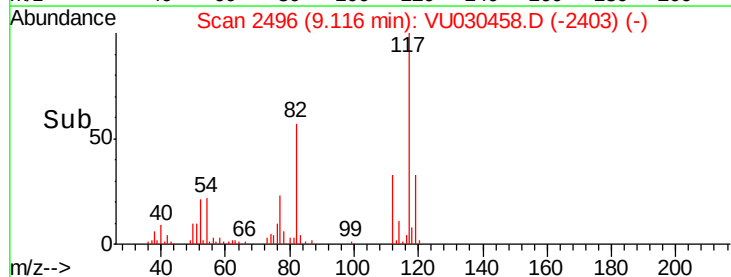
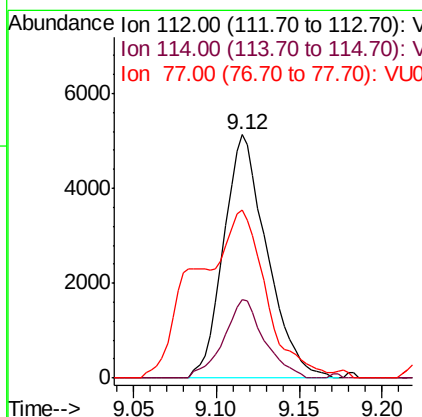
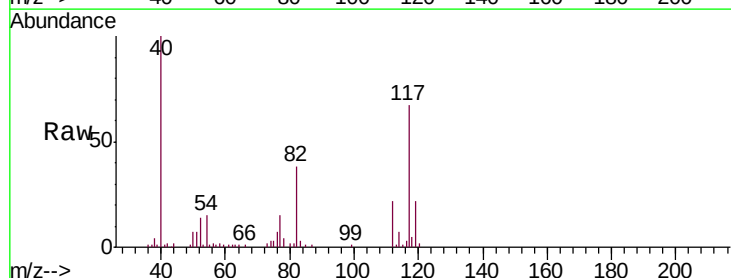
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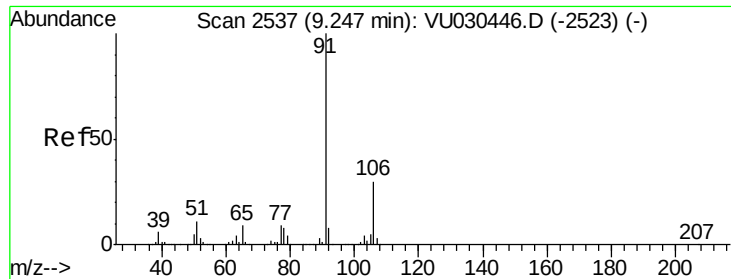
Tgt Ion:107 Resp: 6047
Ion Ratio Lower Upper
107 100
109 101.4 65.8 122.2
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 1.030 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030458.D
Acq: 26 Mar 2019 21:03

Tgt Ion:112 Resp: 9329
Ion Ratio Lower Upper
112 100
114 32.4 21.5 39.9
77 69.0 51.4 77.0





#52

Ethylbenzene

Concen: 16.272 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

Instrument :

MSVOA_U

ClientSampleId :

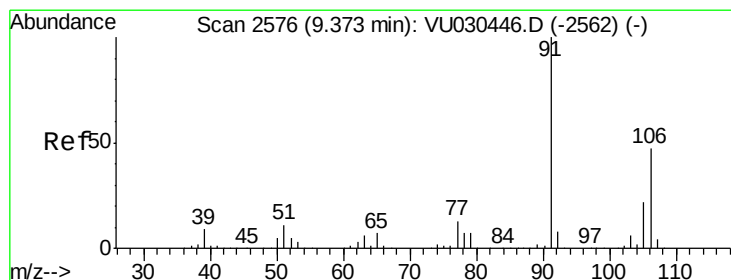
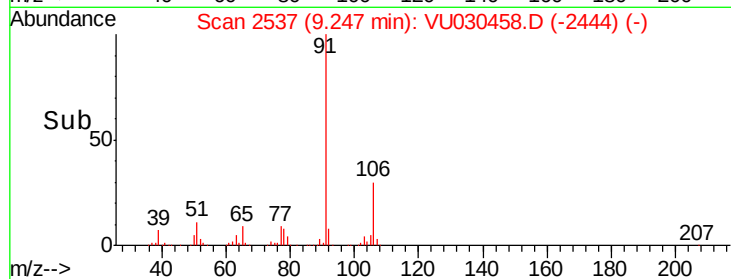
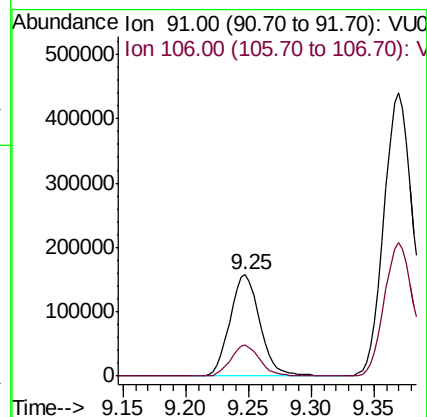
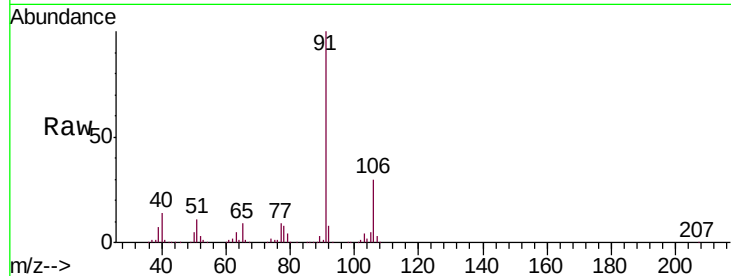
DB6R5DL

Tgt Ion: 91 Resp: 263319

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



#53

m,p-Xylene

Concen: 59.046 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030458.D

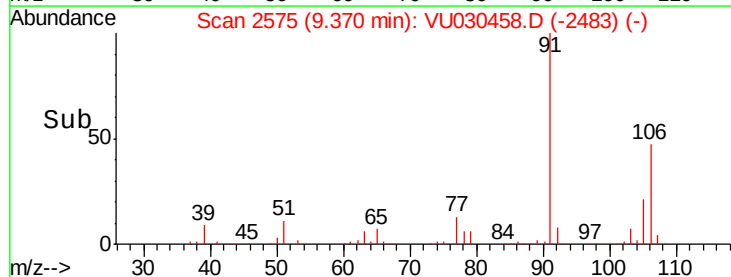
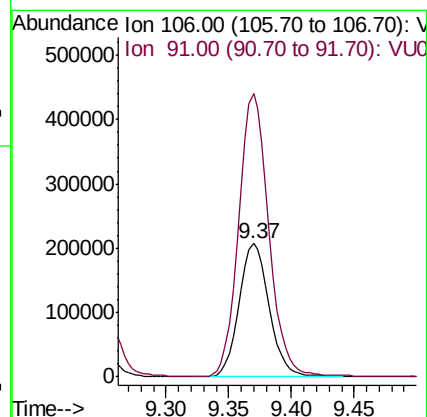
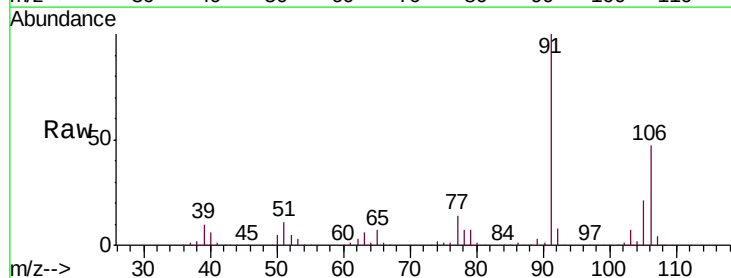
Acq: 26 Mar 2019 21:03

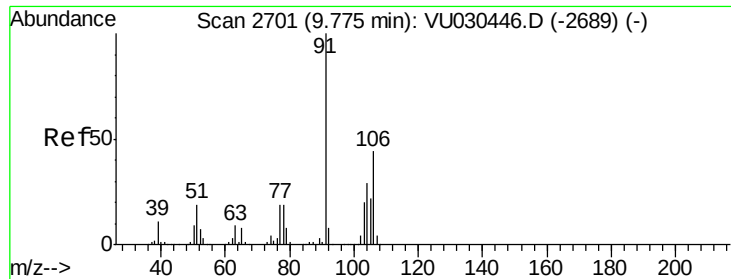
Tgt Ion: 106 Resp: 345011

Ion Ratio Lower Upper

106 100

91 212.6 151.2 280.8





#54

o-xylene

Concen: 26.788 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

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Acq: 26 Mar 2019 21:03

Instrument :

MSVOA_U

ClientSampleId :

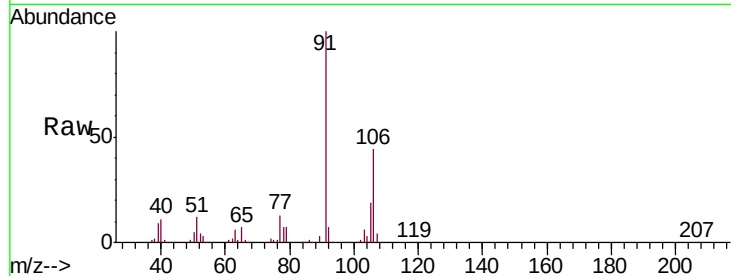
DB6R5DL

Tgt Ion:106 Resp: 152729

Ion Ratio Lower Upper

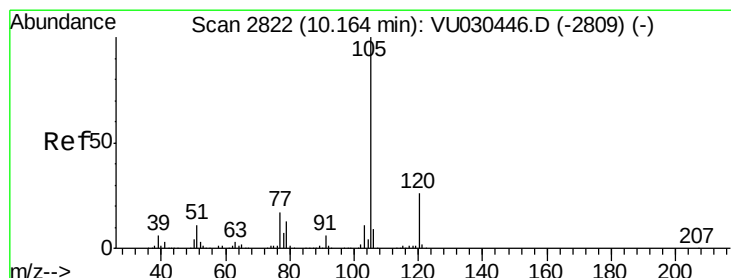
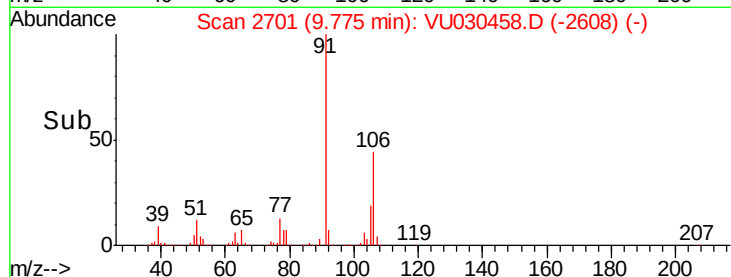
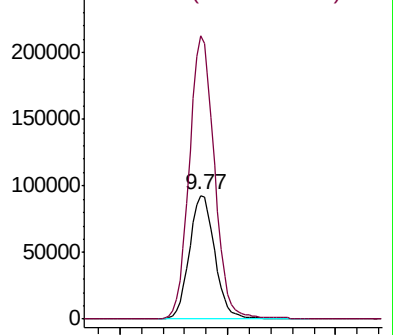
106 100

91 228.9 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 0.735 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

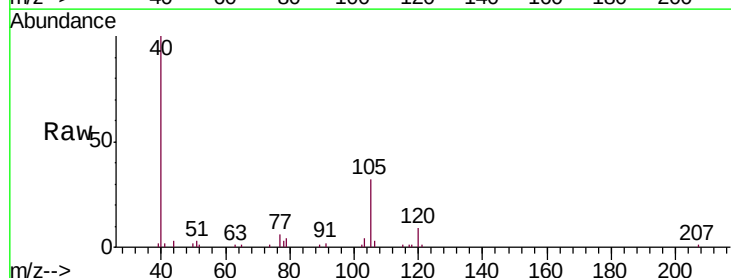
Tgt Ion:105 Resp: 11103

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.2

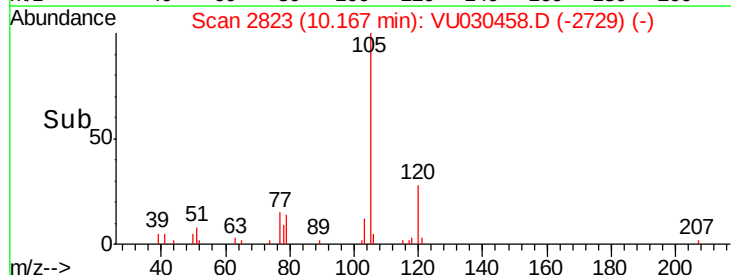
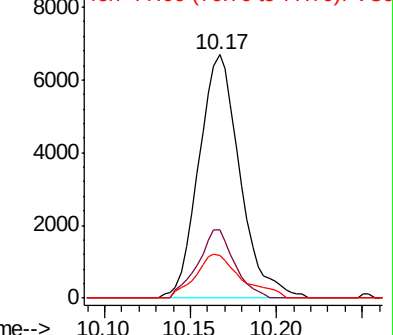
77 19.8 13.2 19.8#

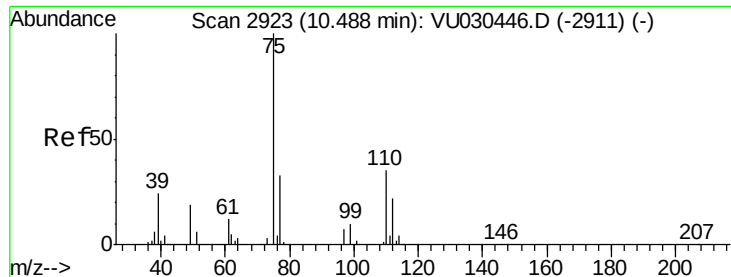


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.550 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

Instrument :

MSVOA_U

ClientSampleId :

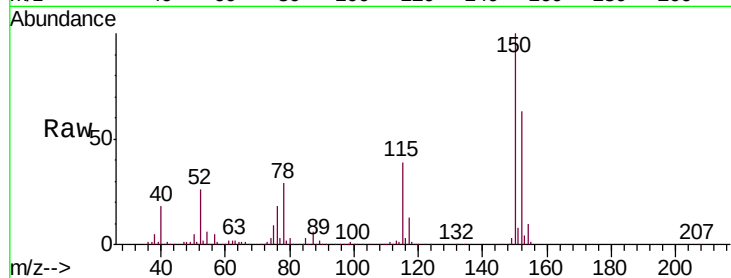
DB6R5DL

Tgt Ion: 75 Resp: 27596

Ion Ratio Lower Upper

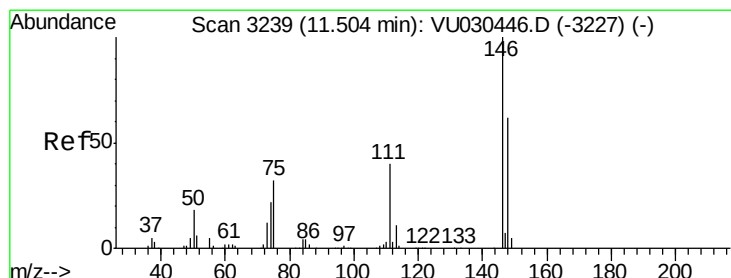
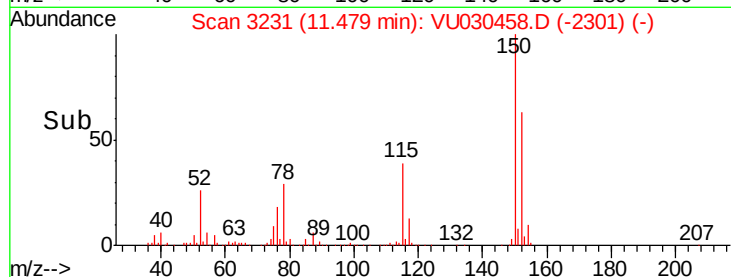
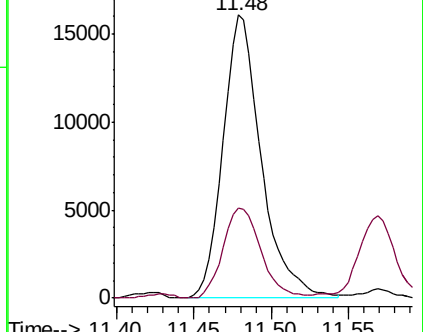
75 100

77 31.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030446.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030446.D (-2911) (-)



#63

1,4-Dichlorobenzene

Concen: 1.004 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

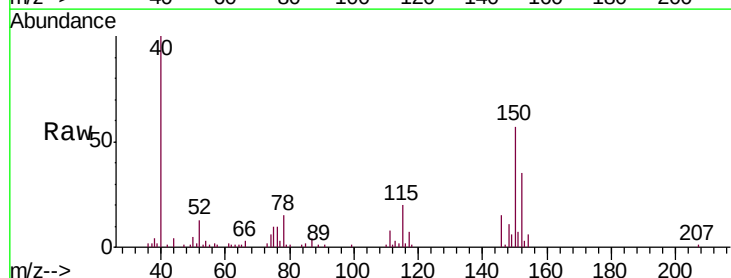
Tgt Ion: 146 Resp: 6127

Ion Ratio Lower Upper

146 100

111 49.7 28.7 53.3

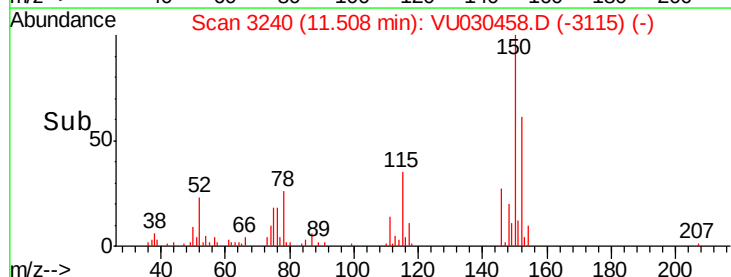
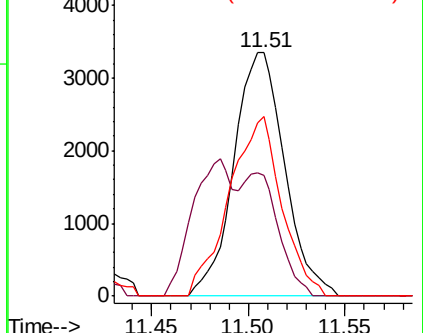
148 73.7 44.3 82.3

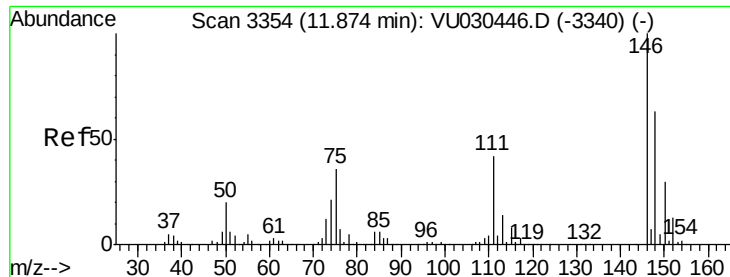


Abundance Ion 146.00 (145.70 to 146.70): VU030446.D (-3227) (-)

Ion 111.00 (110.70 to 111.70): VU030446.D (-3227) (-)

Ion 148.00 (147.70 to 148.70): VU030446.D (-3227) (-)

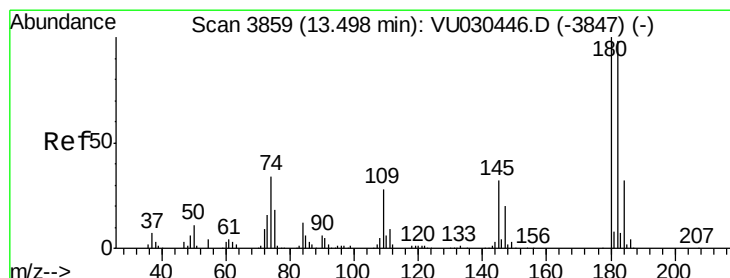
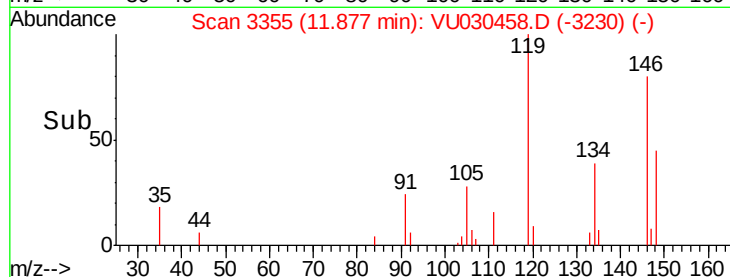
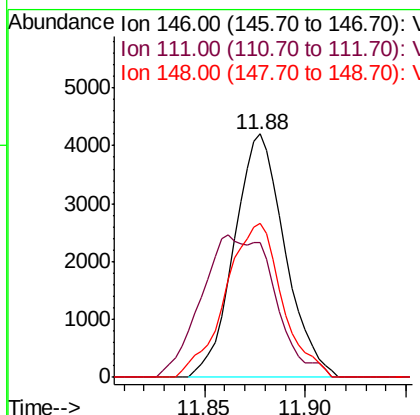
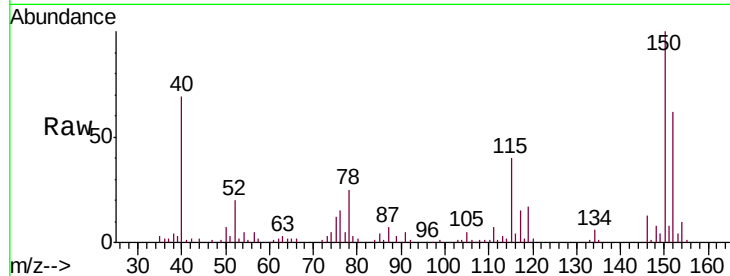




#65
 1,2-Dichlorobenzene
 Concen: 1.231 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030458.D
 Acq: 26 Mar 2019 21:03

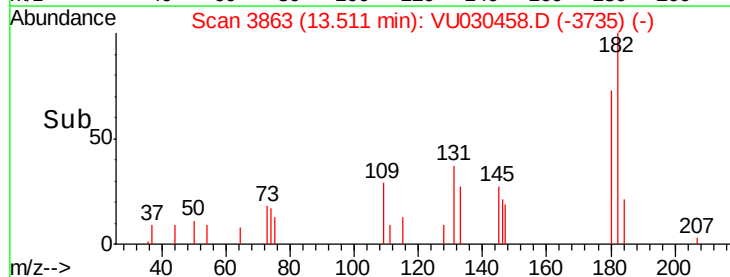
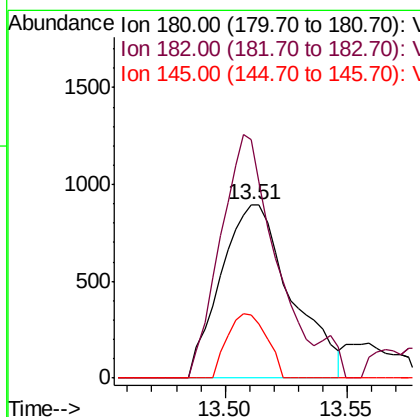
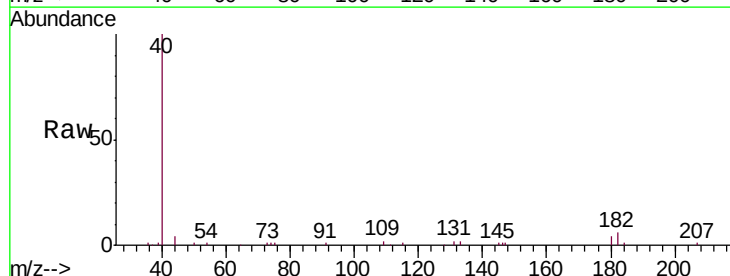
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R5DL

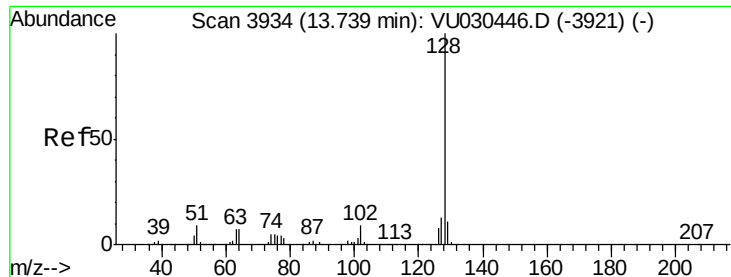
Tgt Ion:146 Resp: 7379
 Ion Ratio Lower Upper
 146 100
 111 55.2 34.9 52.3#
 148 63.4 51.2 76.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.463 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030458.D
 Acq: 26 Mar 2019 21:03

Tgt Ion:180 Resp: 1787
 Ion Ratio Lower Upper
 180 100
 182 109.2 76.1 114.1
 145 20.8 24.5 36.7#





#69

Naphthalene

Concen: 3.495 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030458.D

Acq: 26 Mar 2019 21:03

Instrument :

MSVOA_U

ClientSampleId :

DB6R5DL

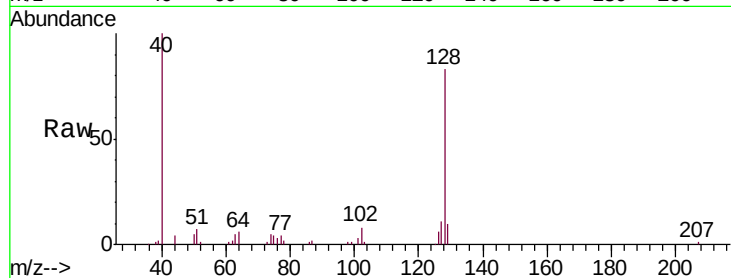
Tgt Ion:128 Resp: 47937

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 9.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

