

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028145.D
 Acq On : 15 Nov 2018 01:42
 Operator : MD/SY
 Sample : J5943-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH6

Quant Time: Nov 15 09:23:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	129821	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54145	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.68	69	41825	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.27	63	69328	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.22	46	165918	53.10	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.20%
24) Chloroform-d	4.65	84	85166	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	49813	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.34	84	177422	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.33	67	66554	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.57	98	158634	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	19907	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.32	63	136600	51.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	48780	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	59078	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	743459	53.466	ug/L	98
8) Chloroethane	1.70	64	78434	9.369	ug/L	98
16) Methylene chloride	2.70	84	3761	0.369	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	257784	28.090	ug/L	99
19) 1,1-Dichloroethane	3.45	63	426744	22.111	ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	585117	57.827	ug/L	98
27) 1,2-Dichloroethane	5.41	62	10477	0.921	ug/L #	90
29) 1,1,1-Trichloroethane	4.91	97	6232	0.432	ug/L	98
30) Cyclohexane	4.99	56	17161	0.849	ug/L	98
33) Benzene	5.39	78	437554	10.194	ug/L	100
34) Trichloroethene	6.19	95	12028	1.134	ug/L	95
35) Methylcyclohexane	6.41	83	9991	0.548	ug/L #	84
42) Toluene	7.64	91	8482261	191.660	ug/L	98
51) Chlorobenzene	9.12	112	46066	1.780	ug/L	96
52) Ethylbenzene	9.25	91	2894749	59.926	ug/L	100
53) m,p-xylene	9.38	106	2503479	142.247	ug/L	97
54) o-xylene	9.78	106	1211364	71.491	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

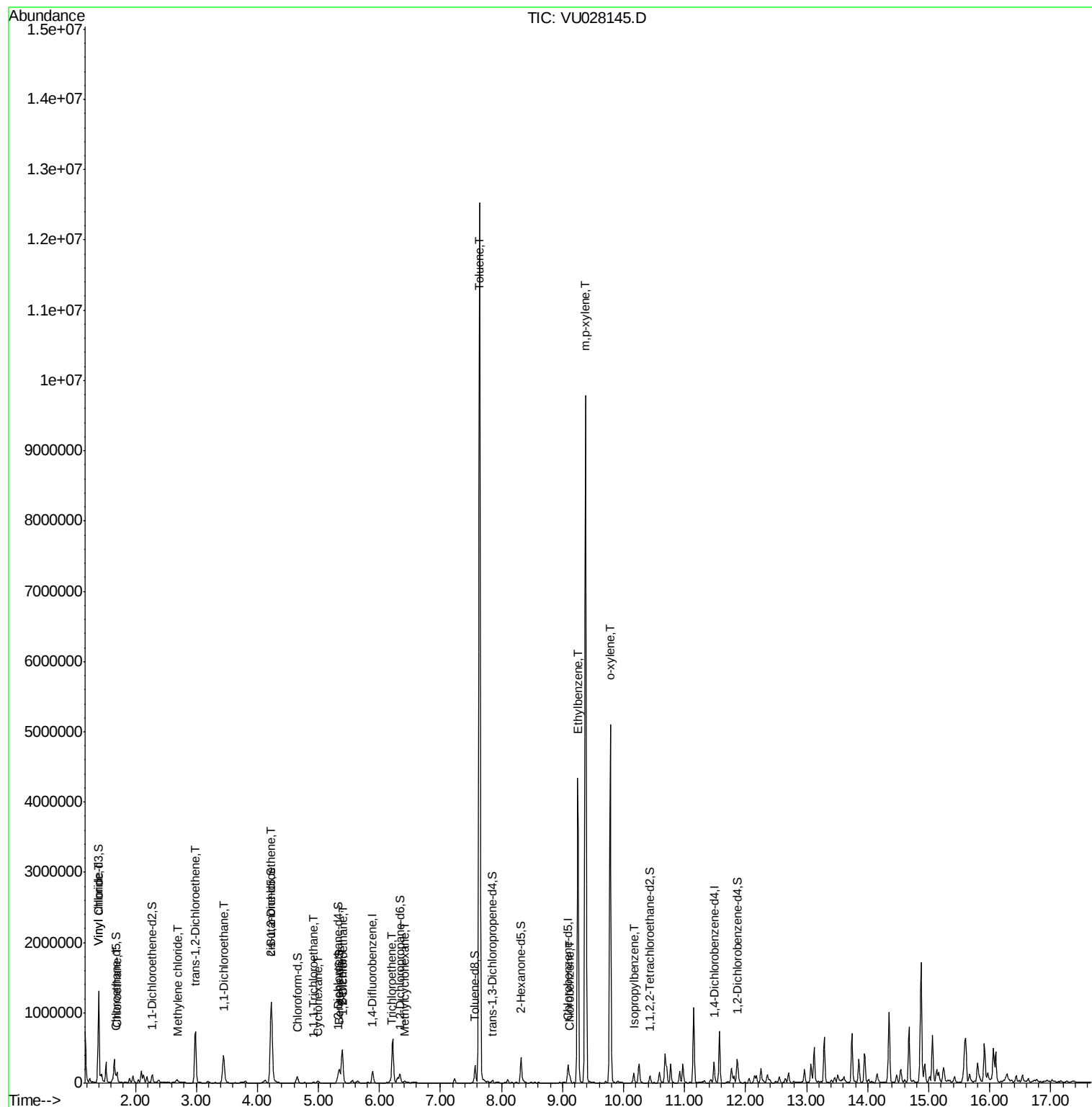
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.17	105	84302	1.839	ug/L	98

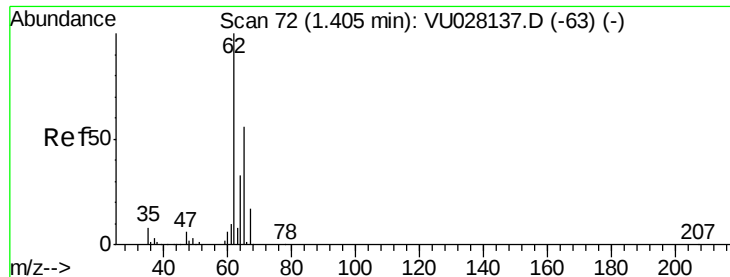
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 53.466 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

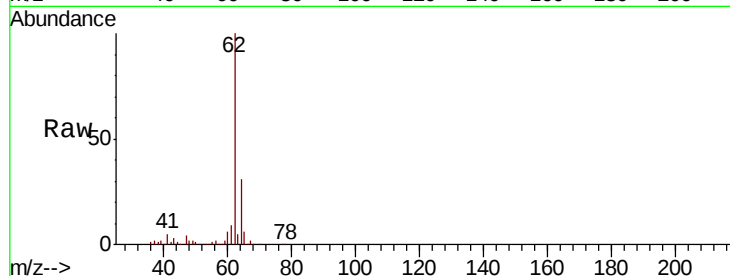
H0FH6

Tot Ion: 62 Resp: 743459

Ion Ratio Lower Upper

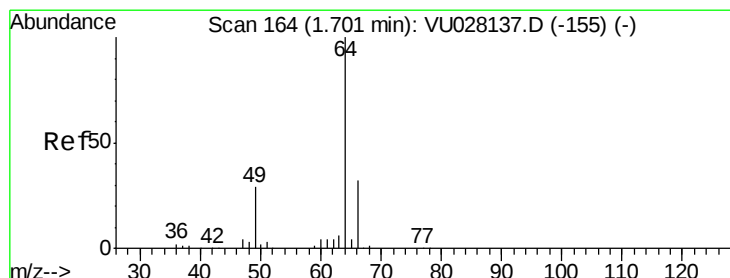
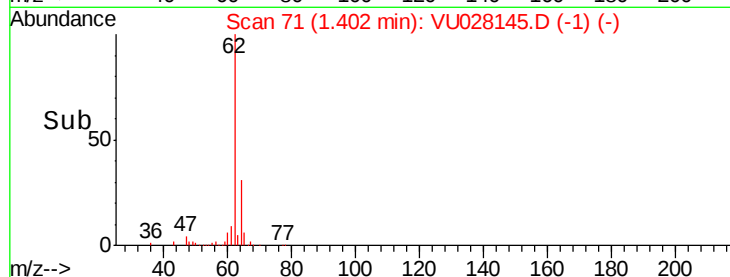
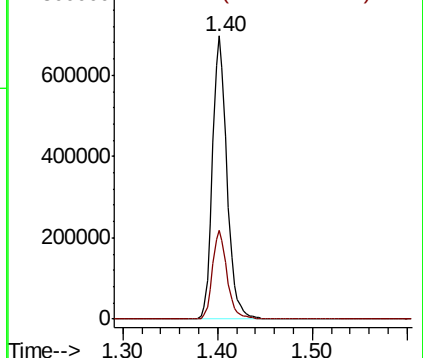
62 100

64 31.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 9.369 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028145.D

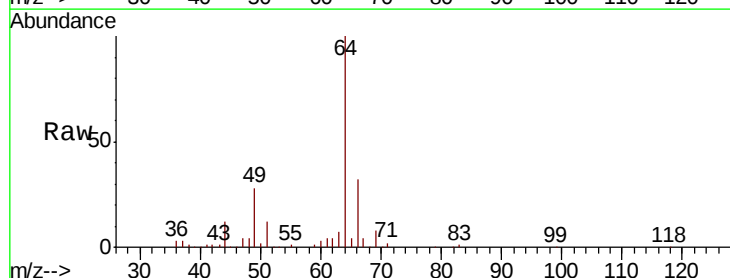
Acq: 15 Nov 2018 01:42

Tgt Ion: 64 Resp: 78434

Ion Ratio Lower Upper

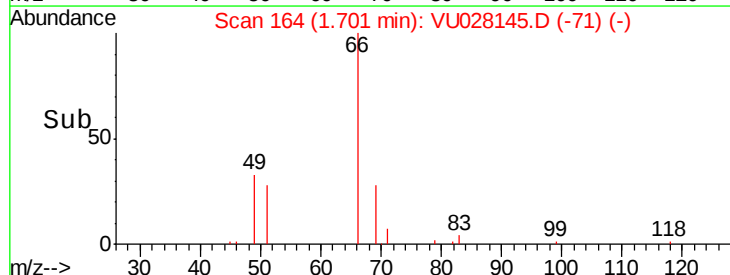
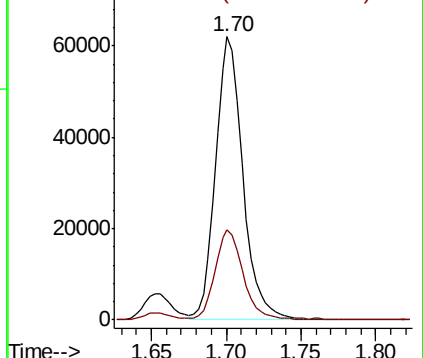
64 100

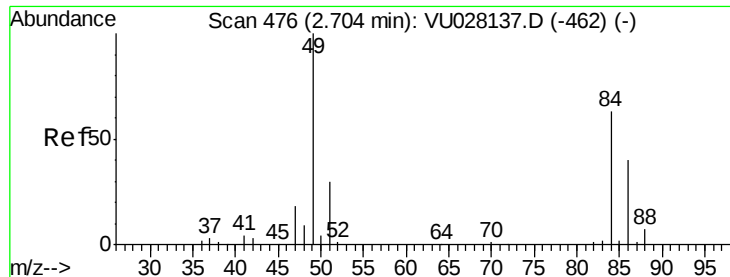
66 31.9 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

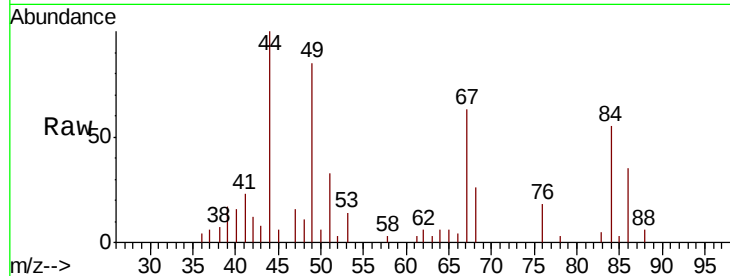




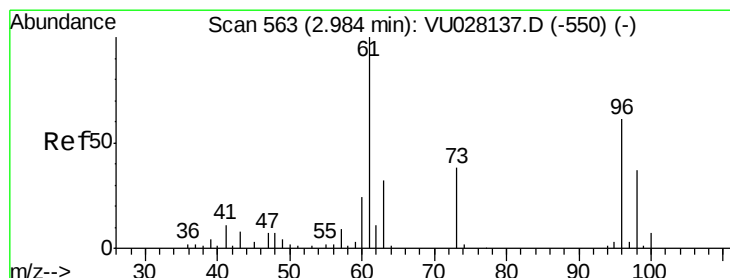
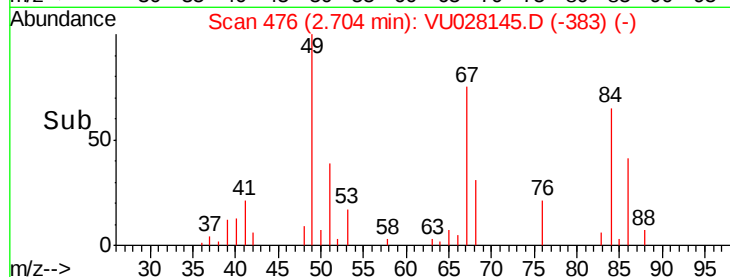
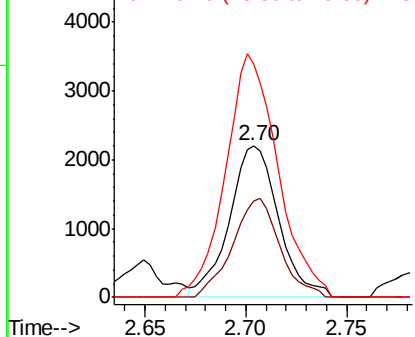
#16
Methylene chloride
Concen: 0.369 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :
H0FH6

Tot Ion: 84 Resp: 3761
Ion Ratio Lower Upper
84 100
86 63.2 44.6 82.8
49 153.5 102.5 190.3

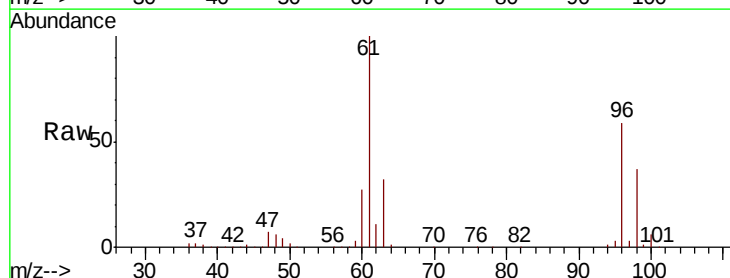


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

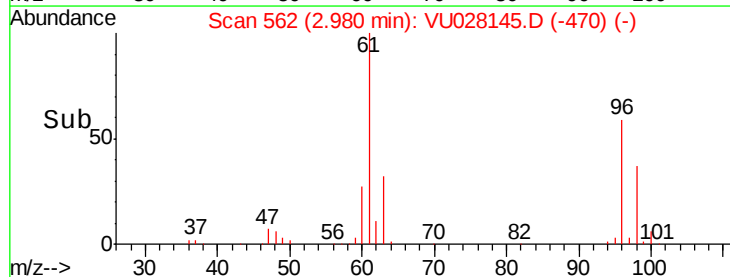
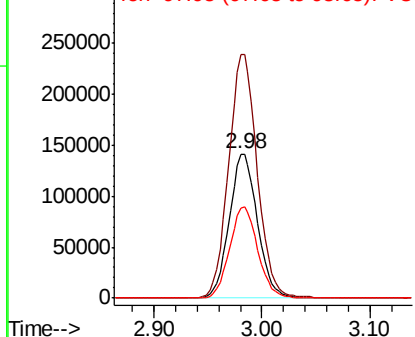


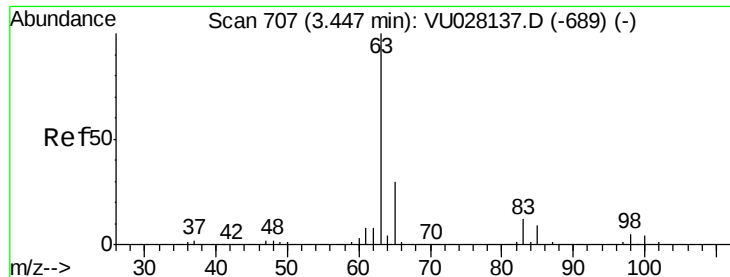
#18
trans-1,2-Dichloroethene
Concen: 28.090 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion: 96 Resp: 257784
Ion Ratio Lower Upper
96 100
61 168.3 118.5 220.1
98 62.7 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 22.111 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampled :

H0FH6

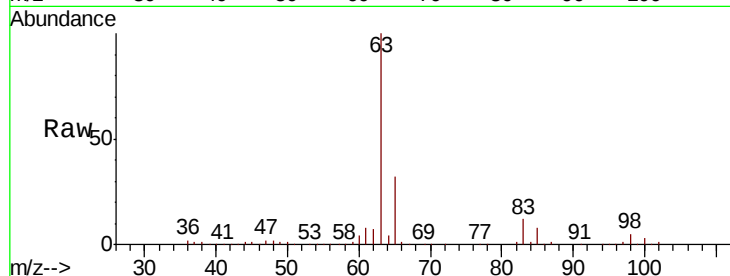
Tot Ion: 63 Resp: 426744

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

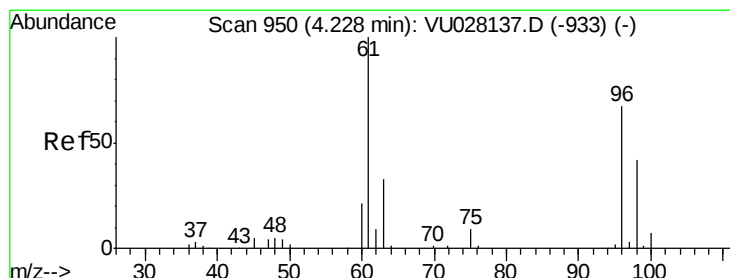
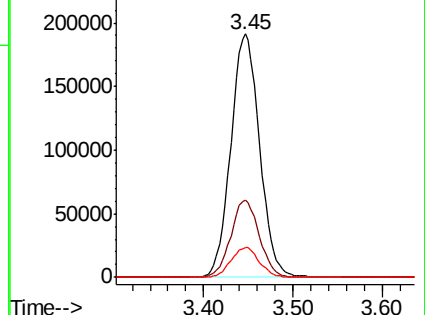
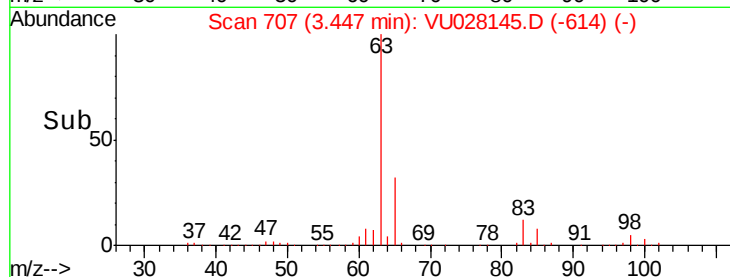
83 12.2 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 57.827 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

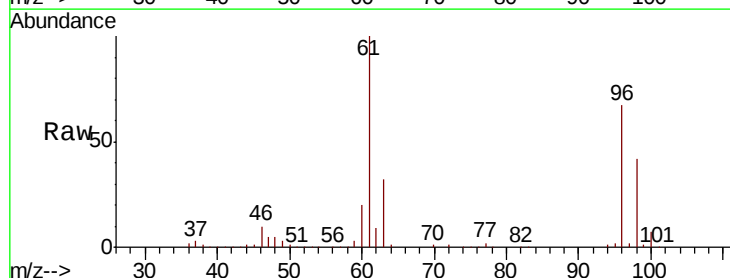
Tgt Ion: 96 Resp: 585117

Ion Ratio Lower Upper

96 100

61 148.4 101.8 189.0

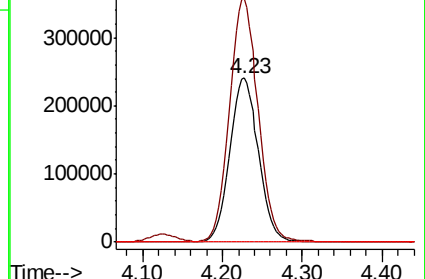
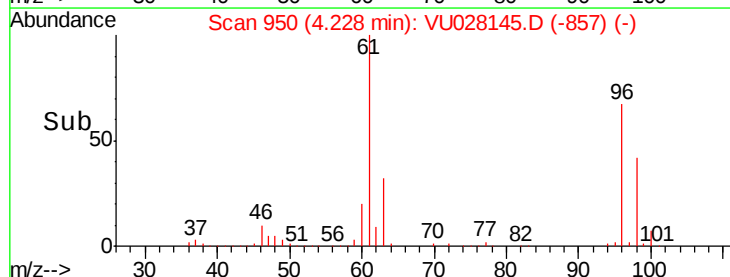
68 0.0 0.0 0.0

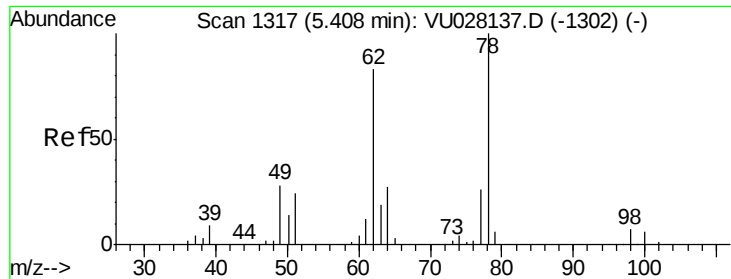


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#27

1,2-Dichloroethane

Concen: 0.921 ug/L

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

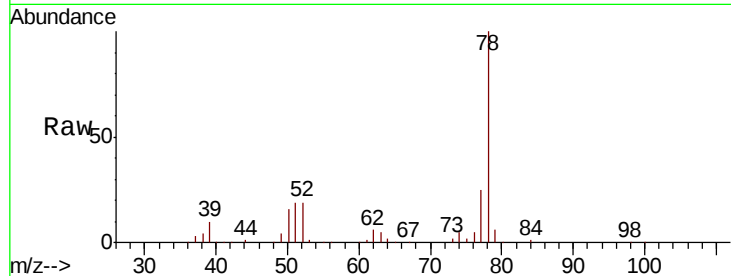
Instrument :
MSVOA_U
ClientSampleId :
H0FH6

Tot Ion: 62 Resp: 10477

Ion Ratio Lower Upper

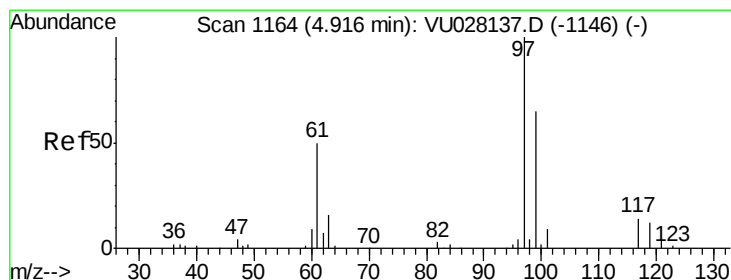
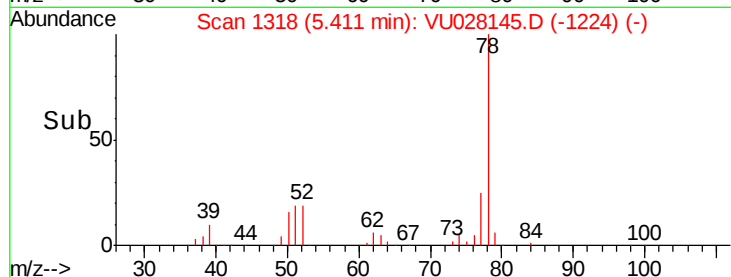
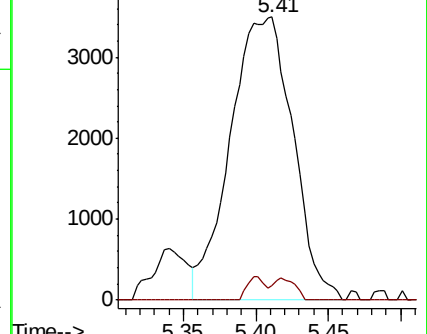
62 100

98 5.1 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#29

1,1,1-Trichloroethane

Concen: 0.432 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

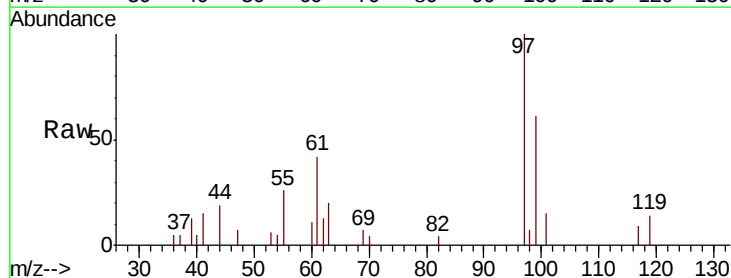
Tgt Ion: 97 Resp: 6232

Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

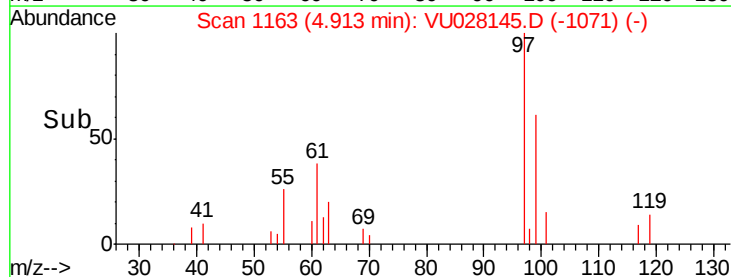
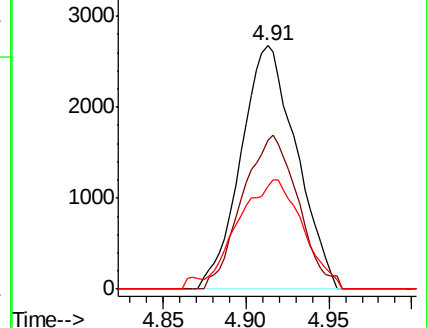
61 51.7 39.4 59.2

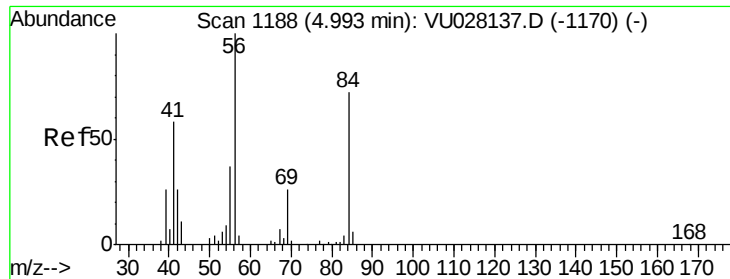


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

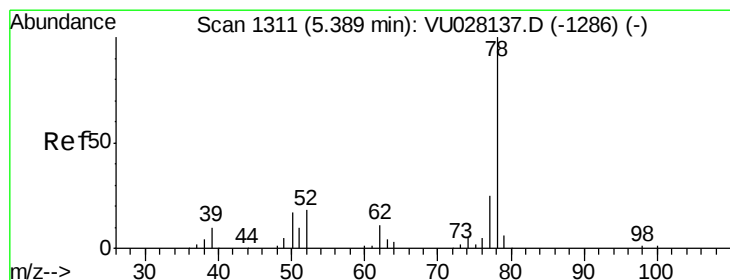
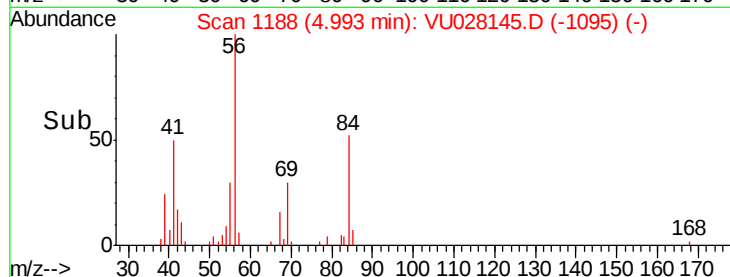
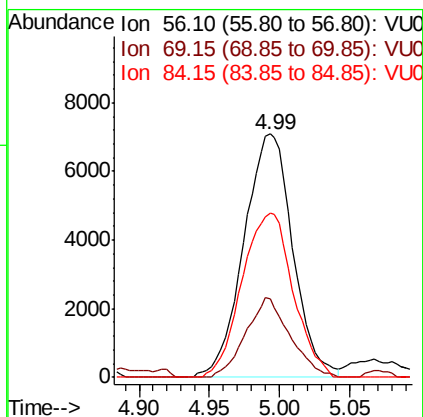
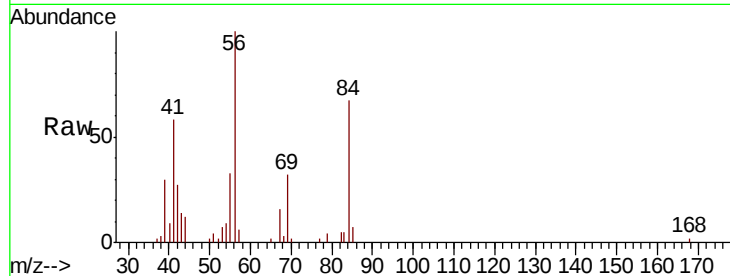




#30
Cyclohexane
Concen: 0.849 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

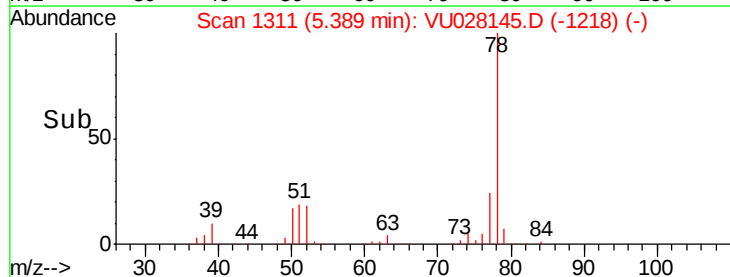
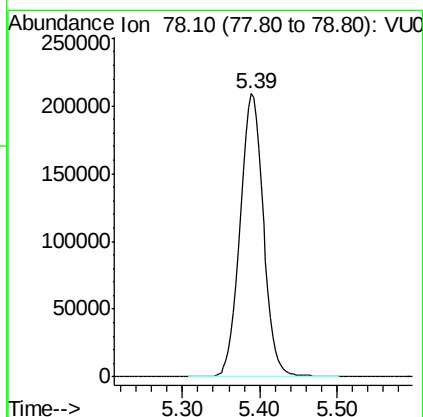
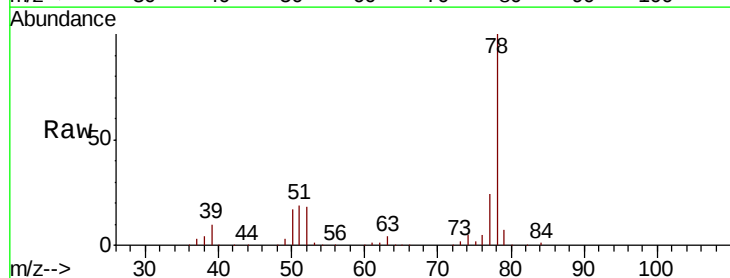
Instrument :
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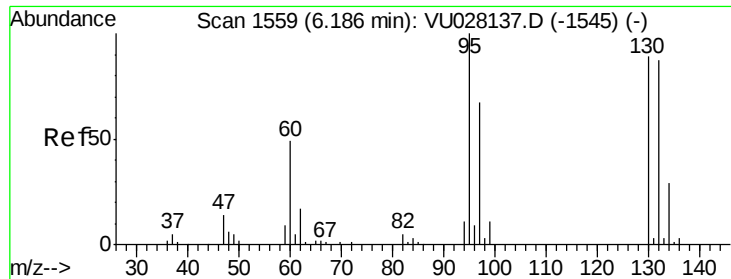
Tot Ion: 56 Resp: 17161
Ion Ratio Lower Upper
56 100
69 29.7 22.6 33.8
84 70.3 57.7 86.5



#33
Benzene
Concen: 10.194 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion: 78 Resp: 437554





#34

Trichloroethene

Concen: 1.134 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

H0FH6

Tot Ion: 95 Resp: 12028

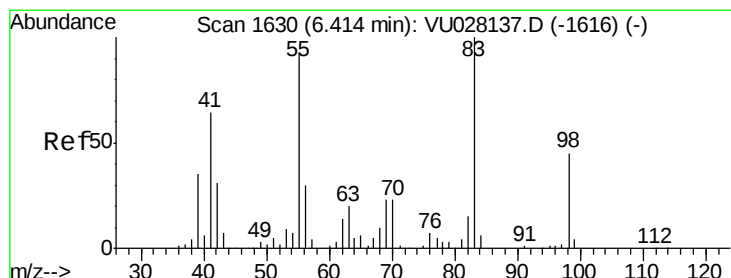
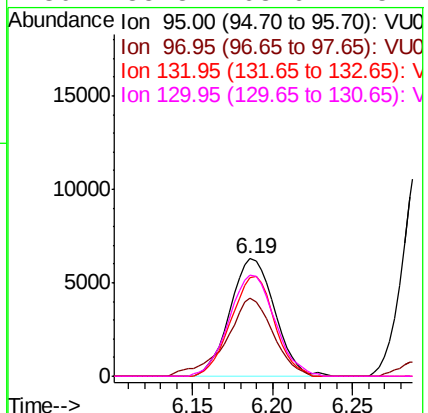
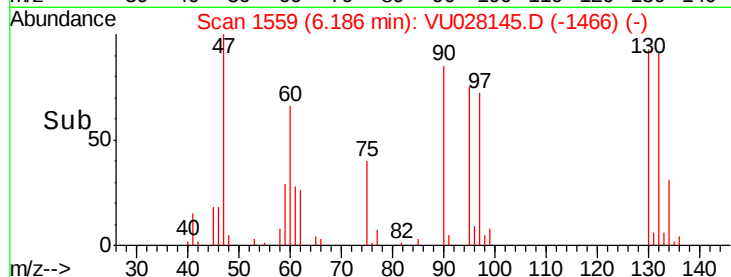
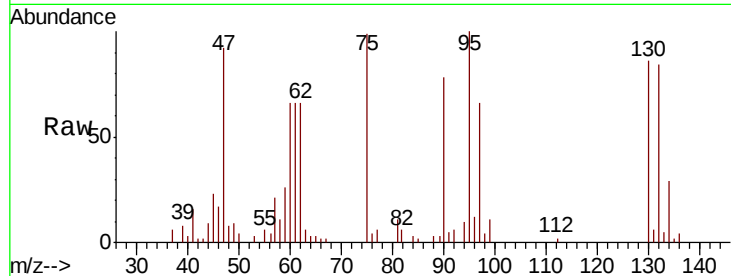
Ion Ratio Lower Upper

95 100

97 66.2 45.3 84.1

132 83.8 63.0 117.0

130 85.8 63.6 118.2



#35

Methylcyclohexane

Concen: 0.548 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

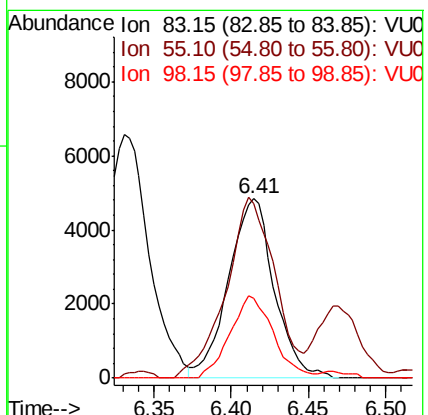
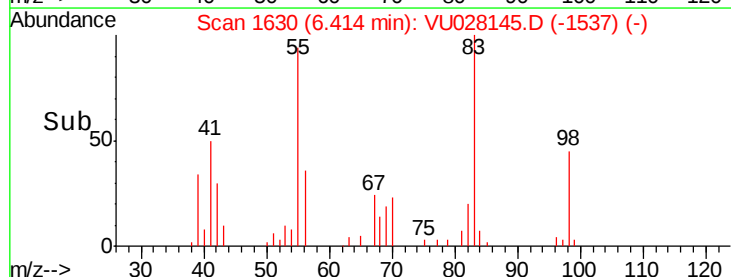
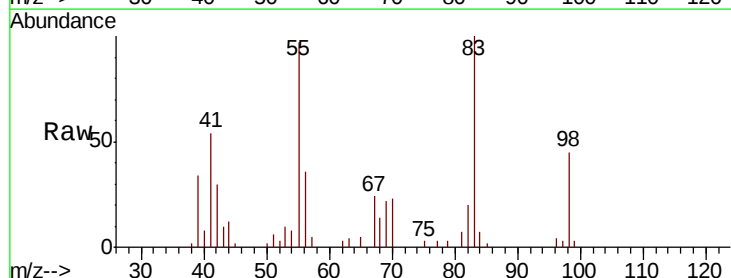
Tgt Ion: 83 Resp: 9991

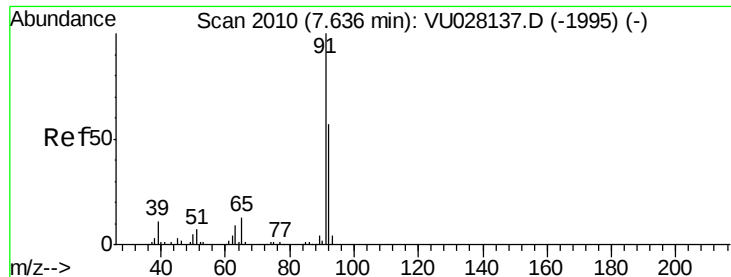
Ion Ratio Lower Upper

83 100

55 106.7 69.0 103.4#

98 43.3 33.3 49.9





#42

Toluene

Concen: 191.660 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

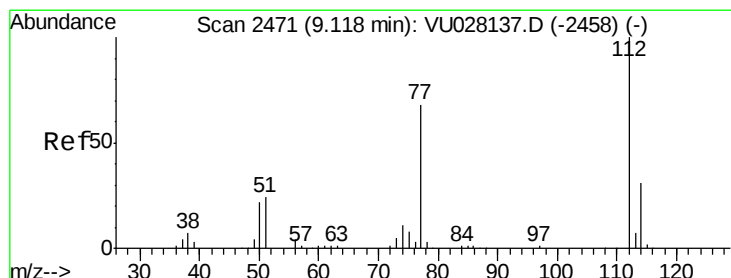
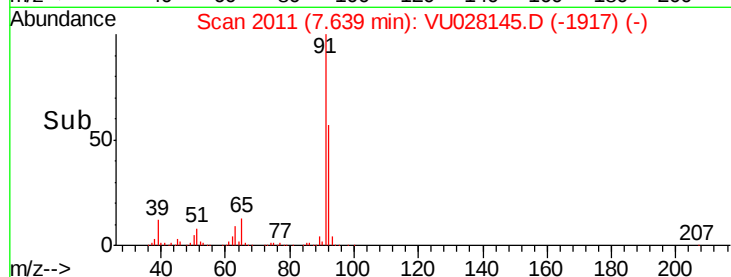
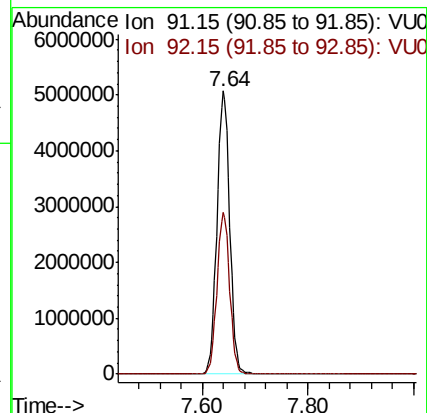
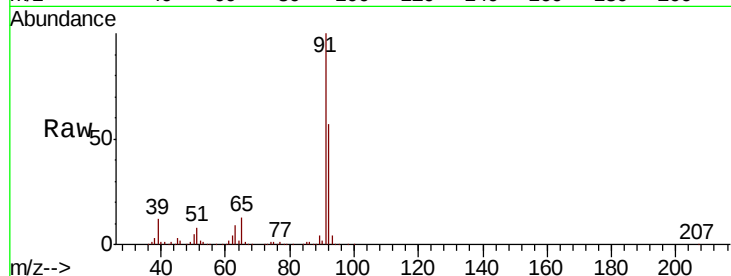
H0FH6

Tot Ion: 91 Resp: 8482261

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.7



#51

Chlorobenzene

Concen: 1.780 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

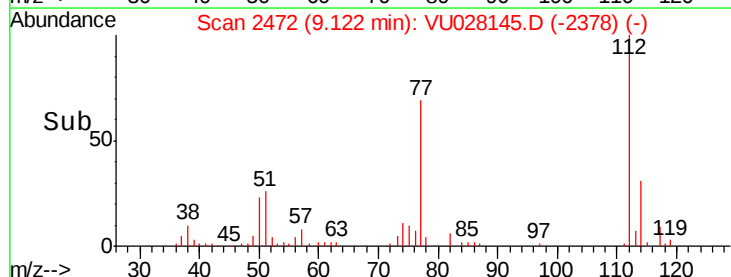
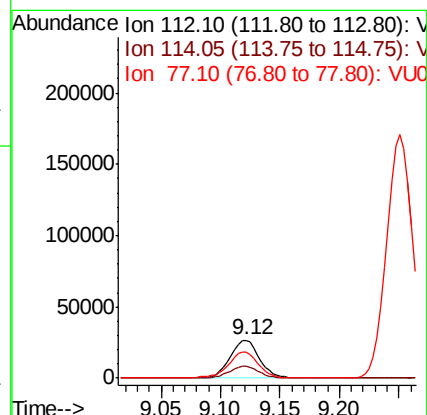
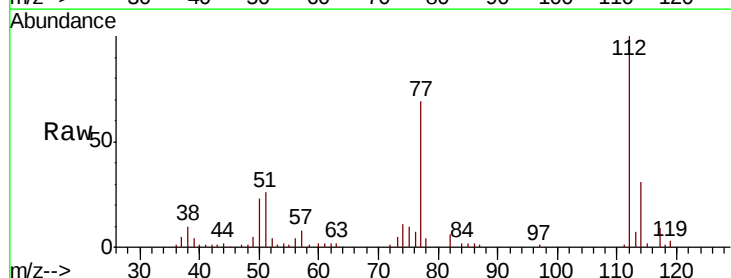
Tgt Ion: 112 Resp: 46066

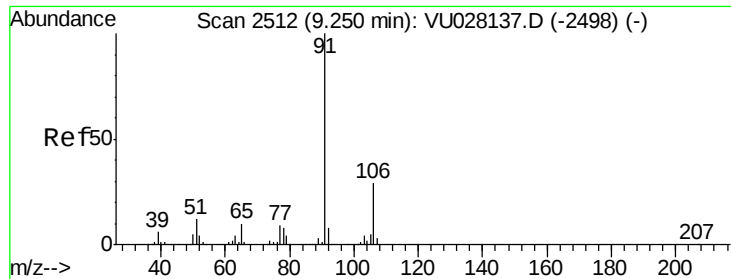
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 68.6 51.3 76.9





#52

Ethylbenzene

Concen: 59.926 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

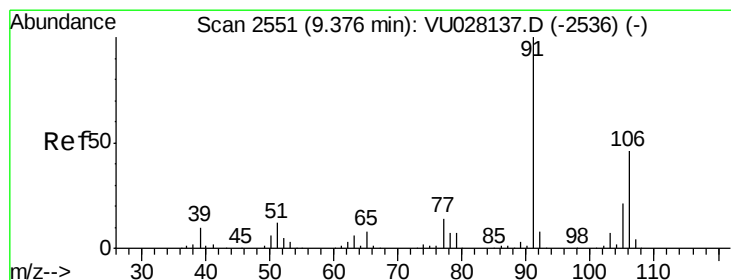
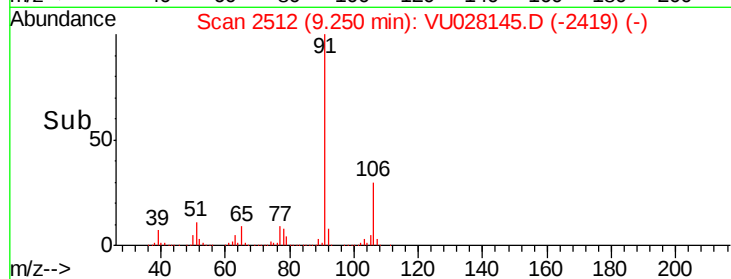
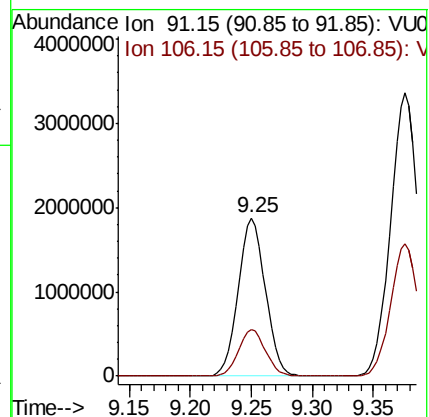
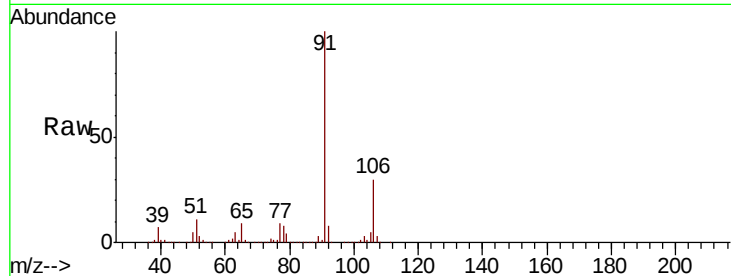
H0FH6

Tot Ion: 91 Resp: 2894749

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7



#53

m,p-xylene

Concen: 142.247 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028145.D

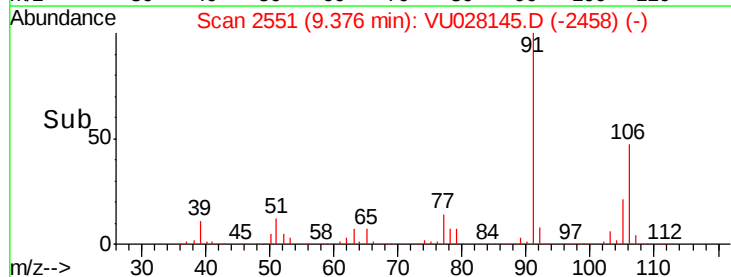
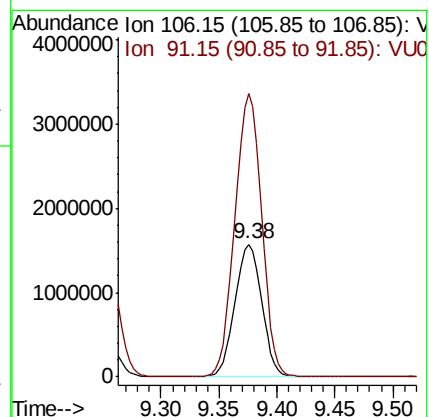
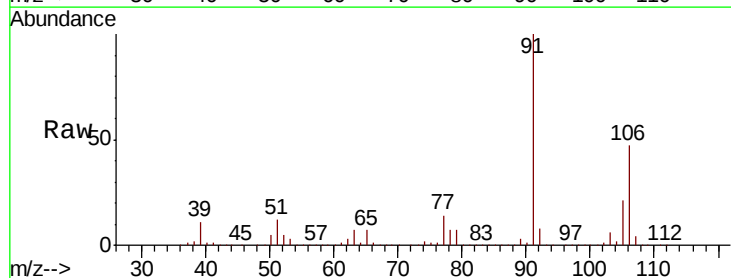
Acq: 15 Nov 2018 01:42

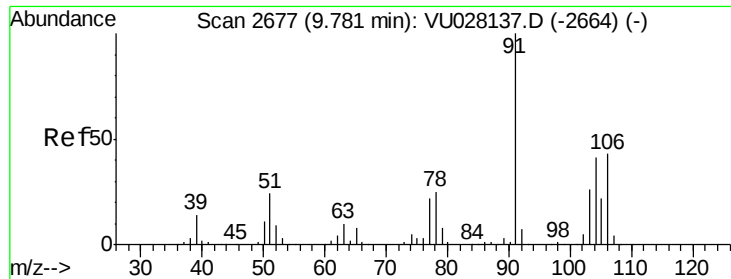
Tgt Ion: 106 Resp: 2503479

Ion Ratio Lower Upper

106 100

91 213.5 145.7 270.7

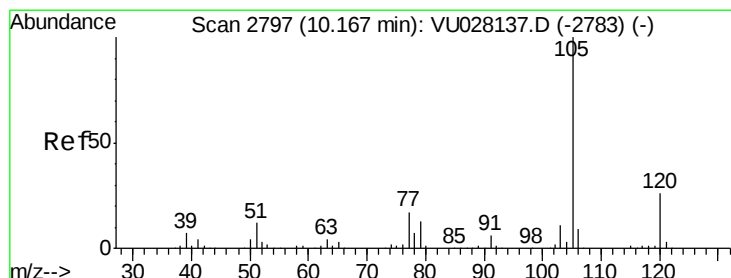
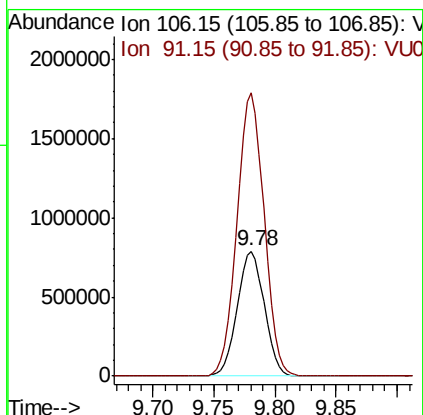
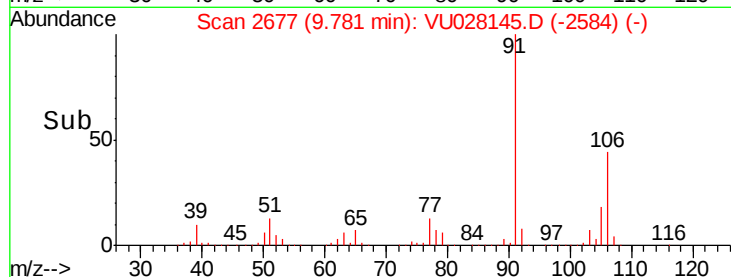
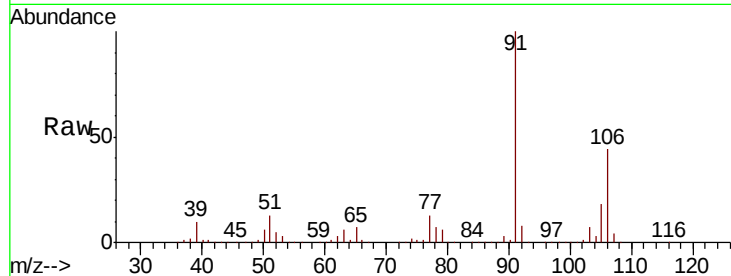




#54
o-xylene
Concen: 71.491 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :
H0FH6

Tot Ion:106 Resp: 1211364
Ion Ratio Lower Upper
106 100
91 226.1 158.7 294.7



#56
Isopropylbenzene
Concen: 1.839 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion:105 Resp: 84302
Ion Ratio Lower Upper
105 100
120 26.6 20.5 30.7
77 17.1 13.3 19.9

