

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 :

Quant Time: Nov 15 06:18:36 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
2) Dichlorodifluoromethane	1.43	85	15502	1.354	ug/L	96
3) Chloromethane	1.39	50	18150	1.240	ug/L #	78
5) Vinyl chloride	1.40	62	743459	53.466	ug/L	98
8) Chloroethane	1.70	64	78434	9.369	ug/L	98
9) Trichlorofluoromethane	2.10	101	485	0.032	ug/L #	76
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1651	0.194	ug/L #	46
12) 1,1-Dichloroethene	2.28	96	1237	0.143	ug/L #	1
14) Carbon disulfide	2.48	76	2334	0.081	ug/L #	84
15) Methyl Acetate	2.64	43	3104	0.552	ug/L #	60
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
21) 2-Butanone	4.31	43	3482	1.048	ug/L	97
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

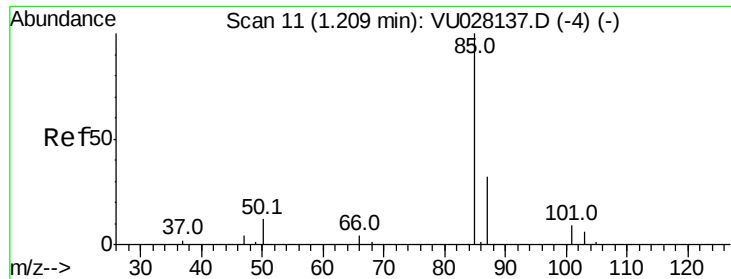
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028145.D
 Acq On : 15 Nov 2018 01:42
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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
37) 1,2-Dichloropropane	6.44	63	1127	0.095	ug/L #	1
39) cis-1,3-Dichloropropene	7.23	75	1421	0.089	ug/L #	48
40) 4-Methyl-2-pentanone	7.48	43	3639	0.445	ug/L #	77
42) Toluene	7.64	91	8482261	191.660	ug/L	98
44) trans-1,3-Dichloropropene	8.10	75	16853	1.340	ug/L #	57
45) 1,1,2-Trichloroethane	8.05	97	2020	0.282	ug/L #	18
47) Tetrachloroethene	8.23	164	926	0.107	ug/L	82
48) 2-Hexanone	8.37	43	8936	1.536	ug/L #	86
49) Dibromochloromethane	8.23	129	865	0.113	ug/L #	11
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
55) Styrene	9.78	104	102830	3.589	ug/L #	1
56) Isopropylbenzene	10.17	105	84302	1.839	ug/L	98
59) 1,2,3-Trichloropropane	10.68	75	3384	0.508	ug/L #	1
63) 1,4-Dichlorobenzene	11.51	146	2851	0.137	ug/L #	73
65) 1,2-Dichlorobenzene	11.88	146	2527	0.129	ug/L #	75
66) 1,2-Dibromo-3-chloropropan	12.65	75	370	0.260	ug/L #	3
69) Naphthalene	13.74	128	516363	20.168	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.354 ug/L

RT: 1.43 min Scan# 81

Delta R.T. 0.23 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

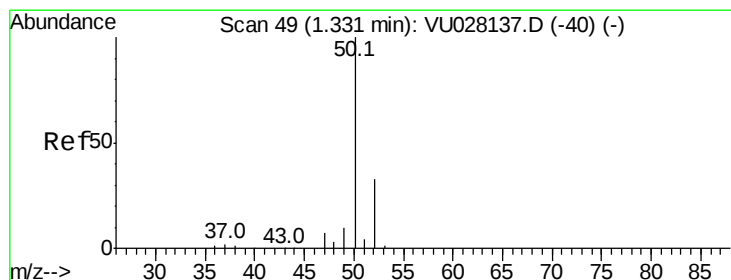
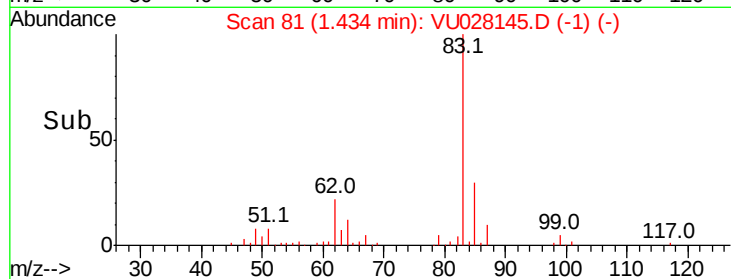
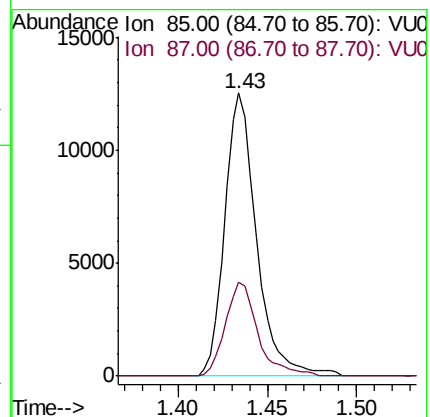
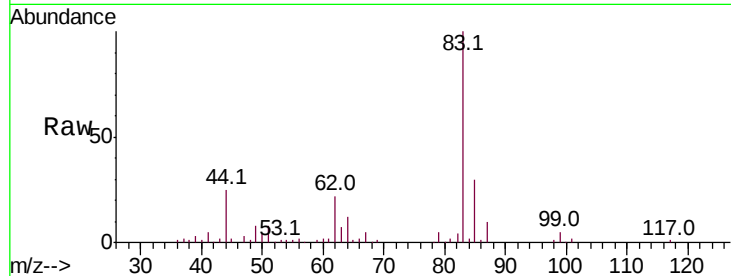
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 15502

Ion Ratio Lower Upper

85 100

87 34.0 25.6 38.4



#3

Chloromethane

Concen: 1.240 ug/L

RT: 1.39 min Scan# 67

Delta R.T. 0.06 min

Lab File: VU028145.D

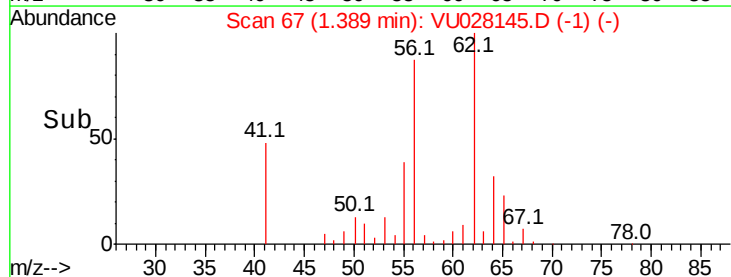
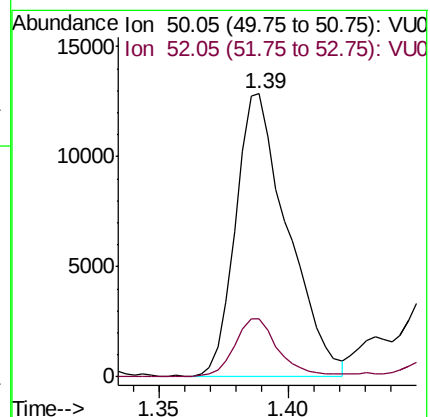
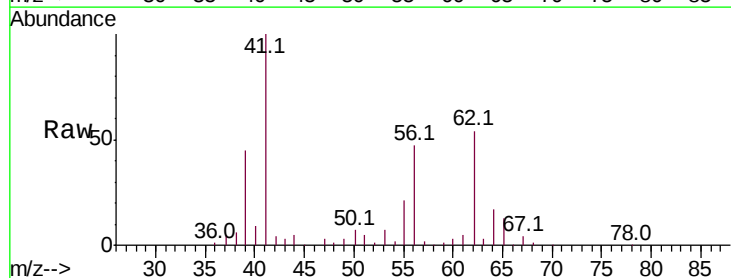
Acq: 15 Nov 2018 01:42

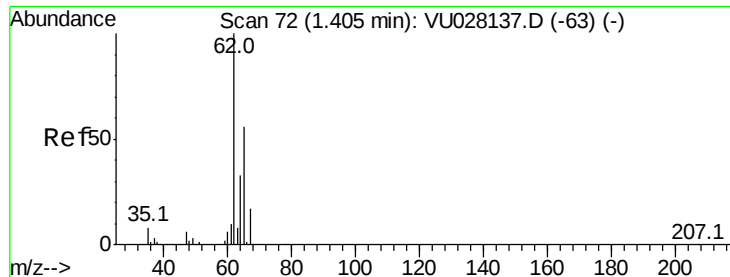
Tgt Ion: 50 Resp: 18150

Ion Ratio Lower Upper

50 100

52 20.6 23.0 42.6#





#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

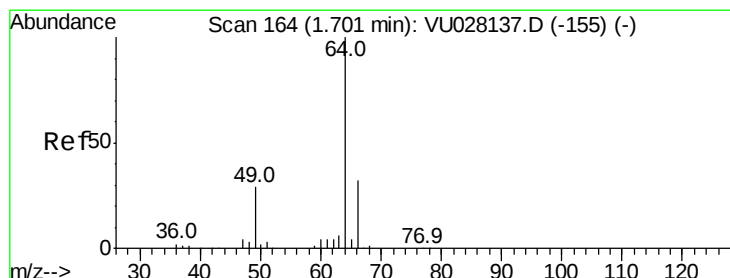
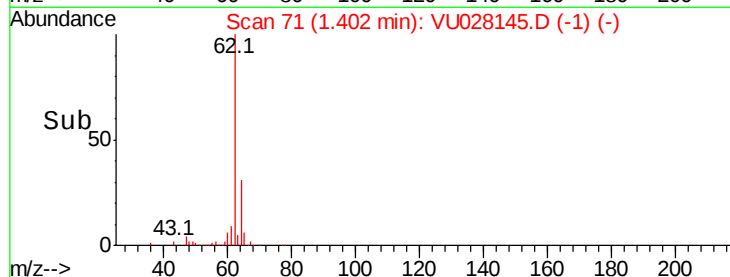
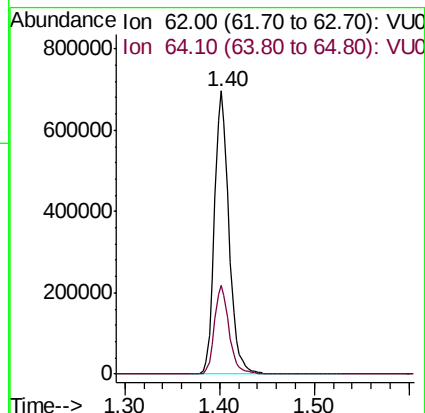
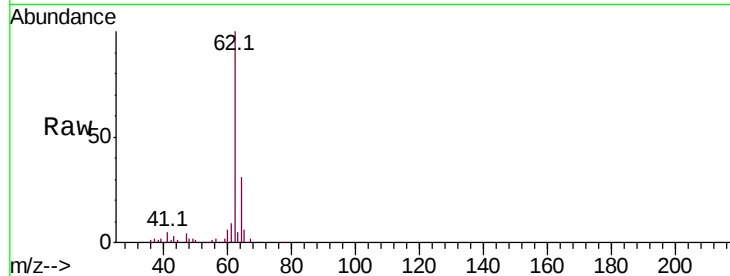
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 743459

Ion Ratio Lower Upper

62 100

64 31.2 22.7 42.3



#8

Chloroethane

Concen: 9.369 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028145.D

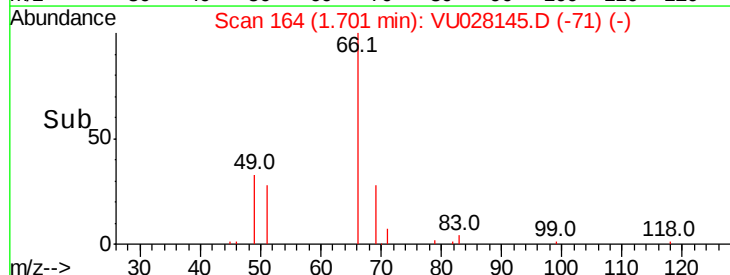
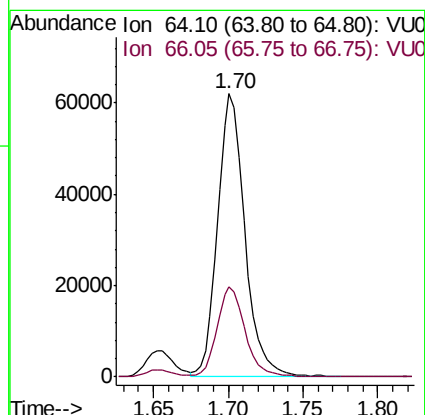
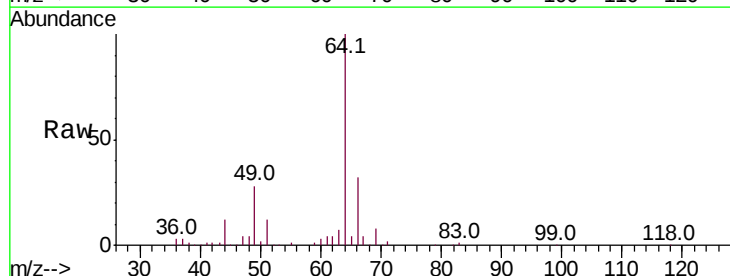
Acq: 15 Nov 2018 01:42

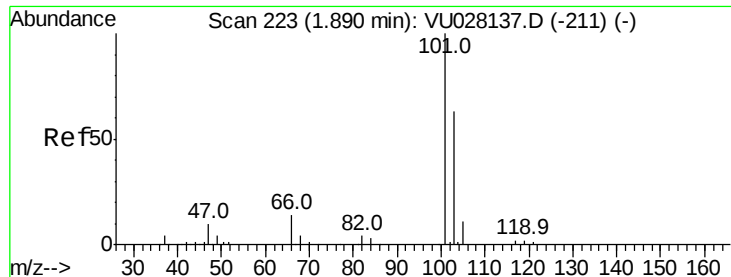
Tgt Ion: 64 Resp: 78434

Ion Ratio Lower Upper

64 100

66 31.9 23.1 42.9



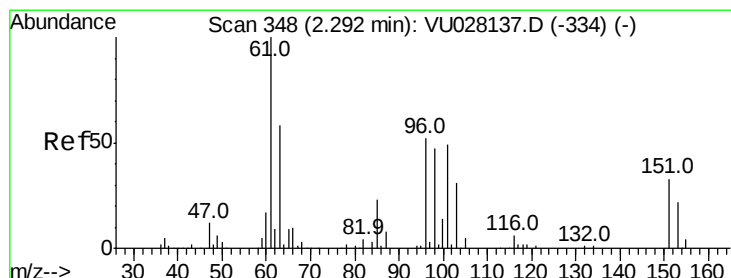
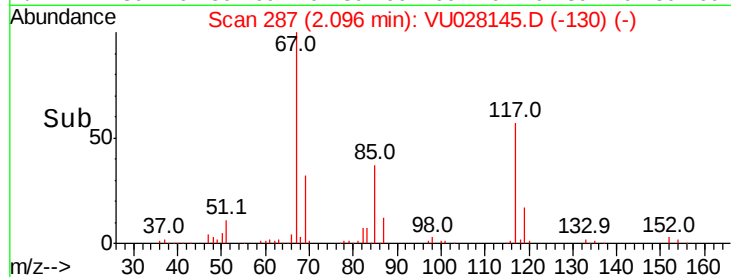
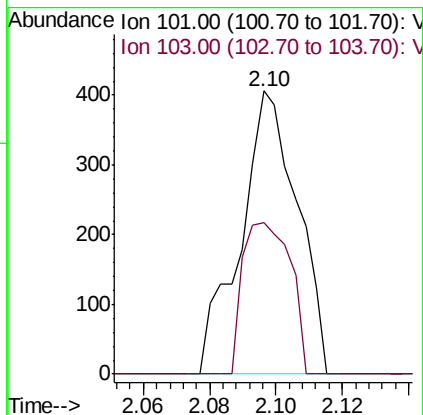
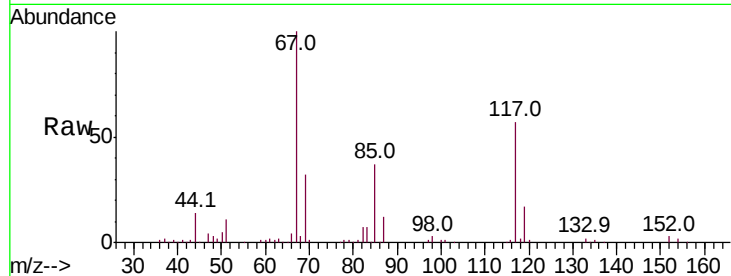


#9

Trichlorofluoromethane
Concen: 0.032 ug/L
RT: 2.10 min Scan# 287
Delta R.T. 0.21 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampled :

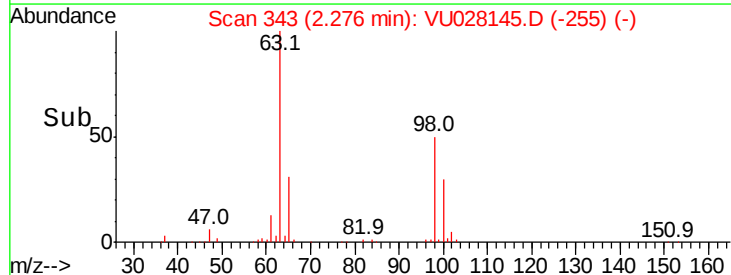
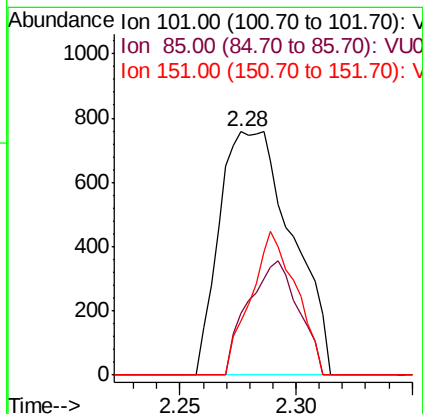
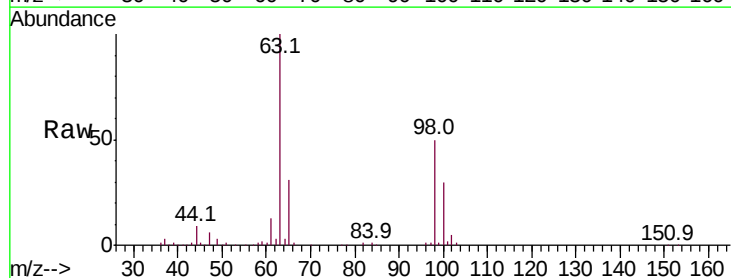
Tot Ion:101 Resp: 485
Ion Ratio Lower Upper
101 100
103 44.9 51.2 76.8#

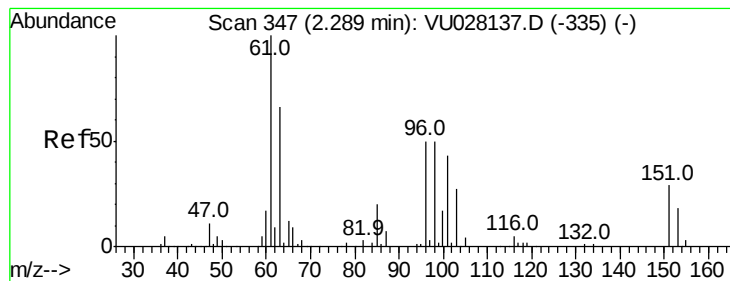


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.194 ug/L
RT: 2.28 min Scan# 343
Delta R.T. -0.02 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion:101 Resp: 1651
Ion Ratio Lower Upper
101 100
85 0.0 37.6 56.4#
151 36.9 58.2 87.2#





#12

1,1-Dichloroethene

Concen: 0.143 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampleId :

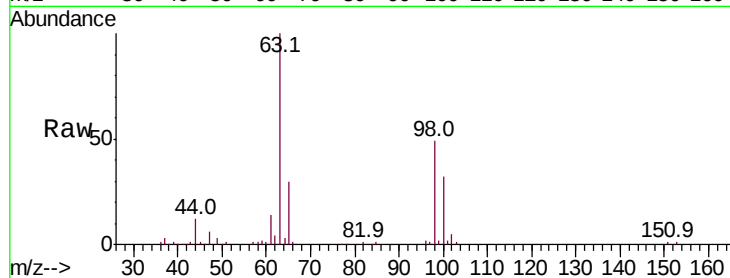
Tot Ion: 96 Resp: 1237

Ion Ratio Lower Upper

96 100

61 628.0 134.8 250.3#

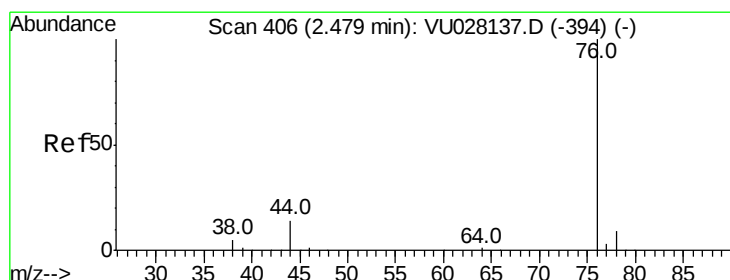
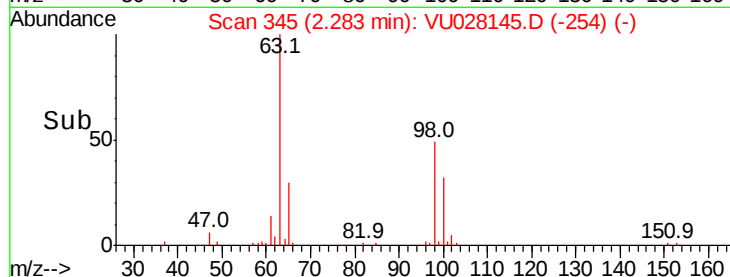
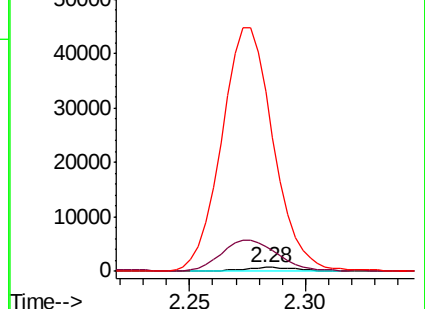
63 4532.2 100.1 185.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028145.D

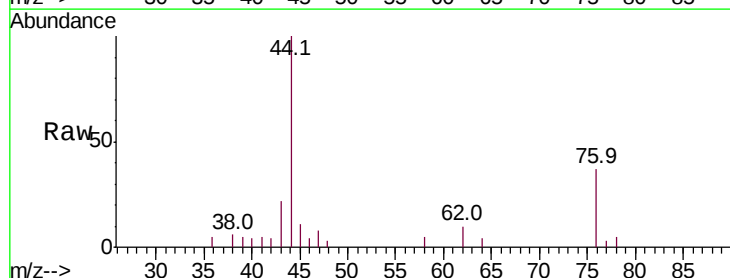
Acq: 15 Nov 2018 01:42

Tgt Ion: 76 Resp: 2334

Ion Ratio Lower Upper

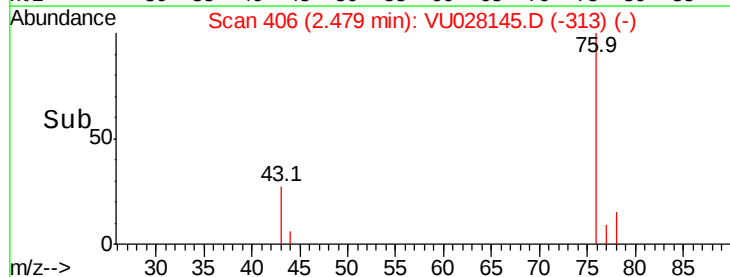
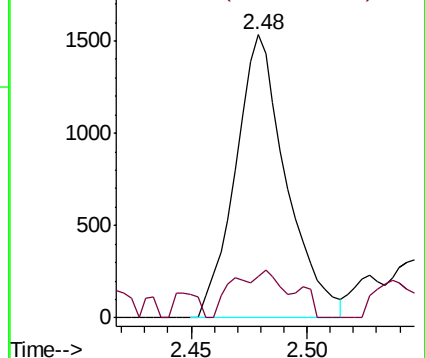
76 100

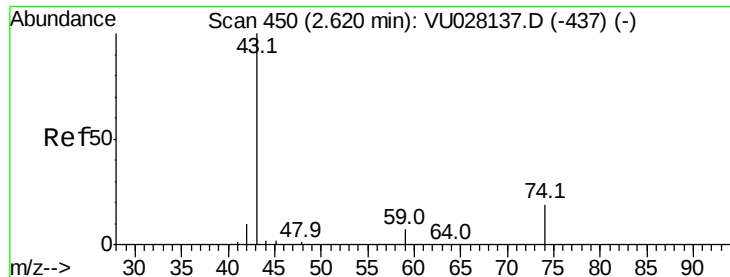
78 14.6 7.0 10.4#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.552 ug/L

RT: 2.64 min Scan# 455

Delta R.T. 0.02 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

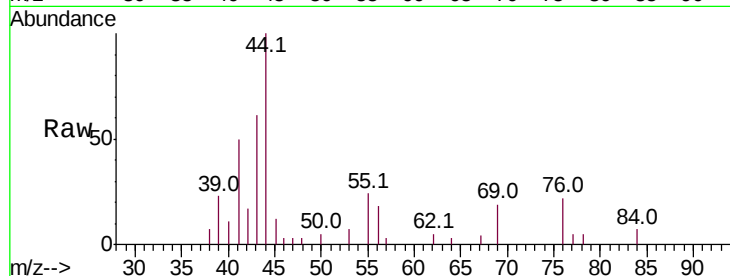
ClientSampled :

Tot Ion: 43 Resp: 3104

Ion Ratio Lower Upper

43 100

74 0.6 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2500

2000

1500

1000

500

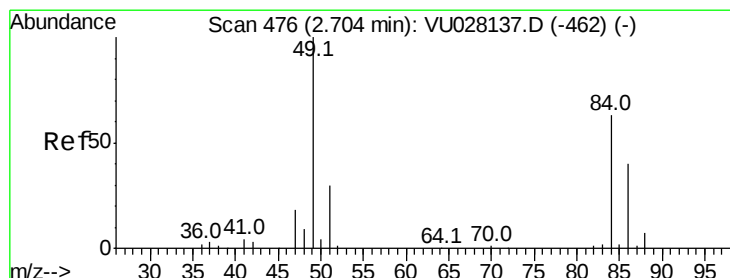
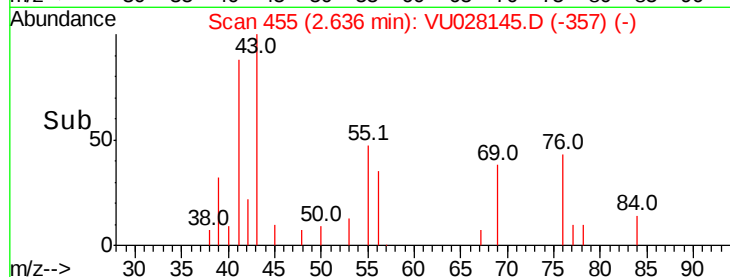
0

2.60

2.65

2.70

Time-->



#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

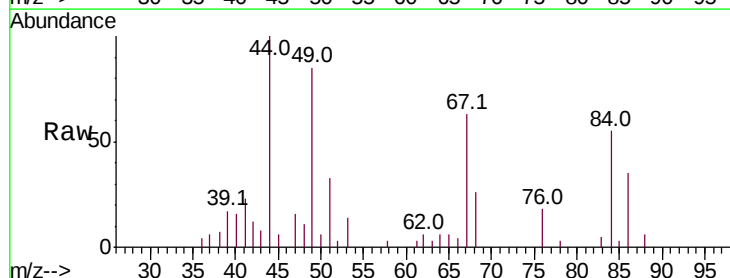
Tgt Ion: 84 Resp: 3761

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

4000

3000

2000

1000

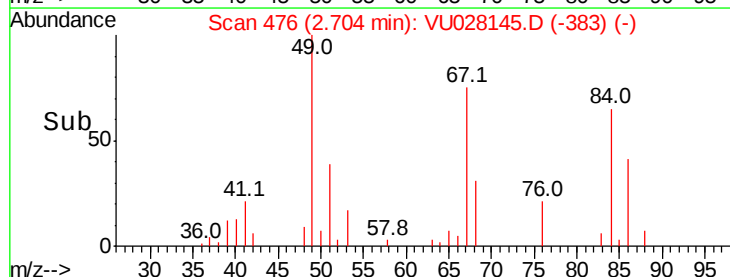
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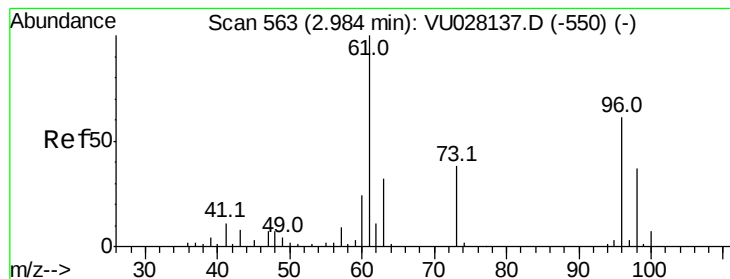
2.65

2.70

2.75

Time-->





#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

Instrument :
MSVOA_U
ClientSampled :

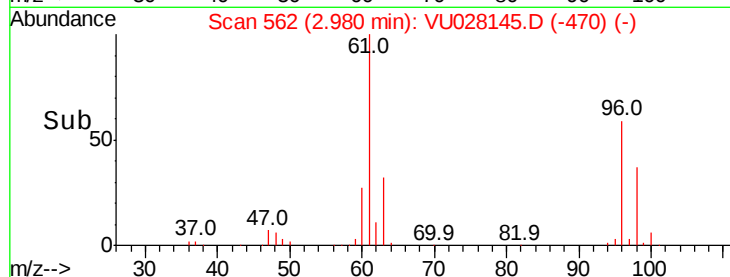
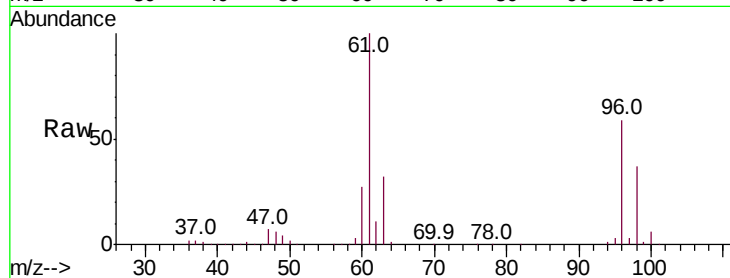
Tot Ion: 96 Resp: 257784

Ion Ratio Lower Upper

96 100

61 168.3 118.5 220.1

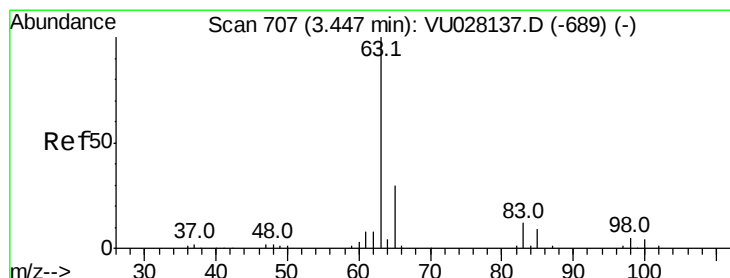
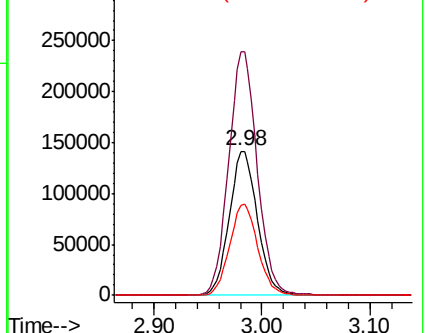
98 62.7 44.9 83.5



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

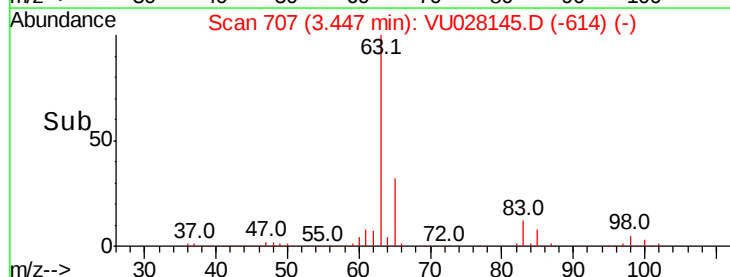
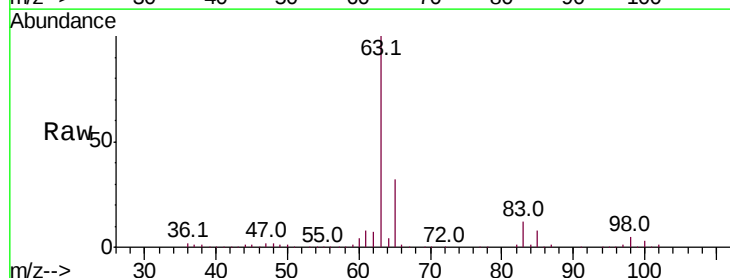
Tgt Ion: 63 Resp: 426744

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

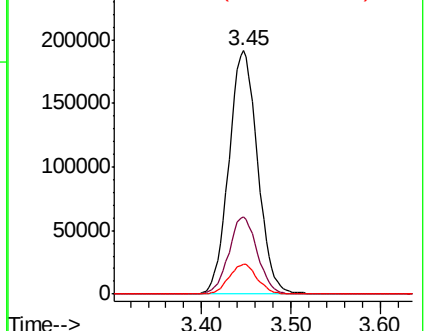
83 12.2 8.9 16.5

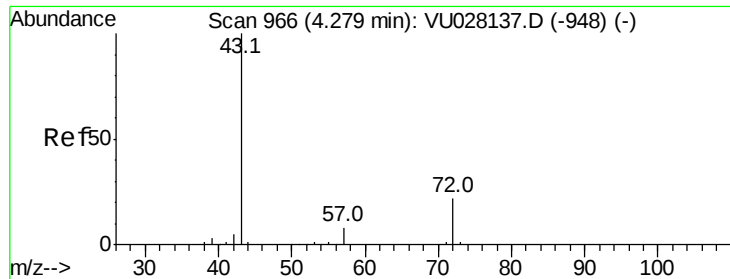


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 1.048 ug/L

RT: 4.31 min Scan# 975

Delta R.T. 0.03 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

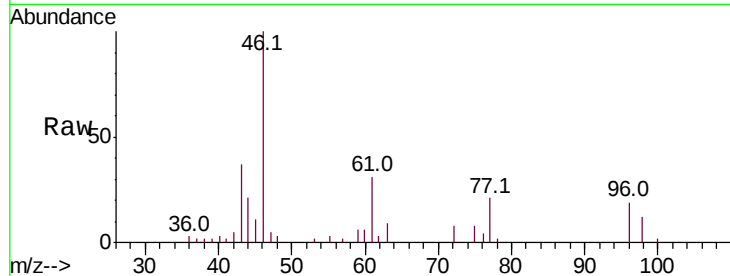
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3482

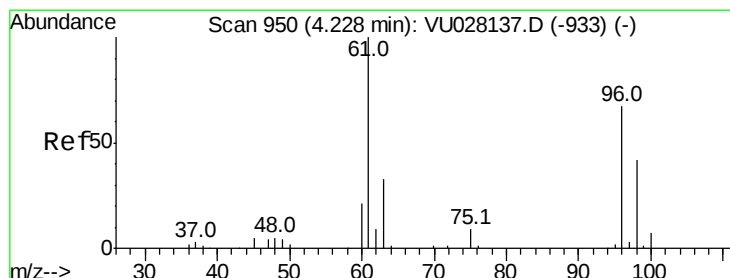
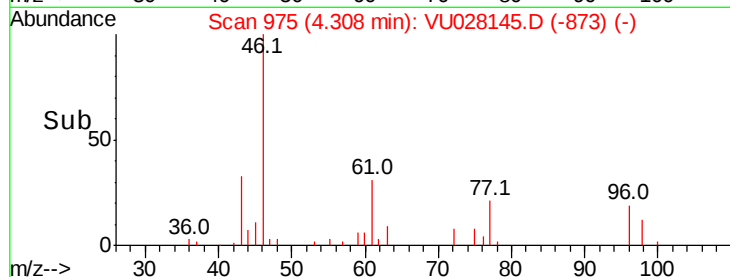
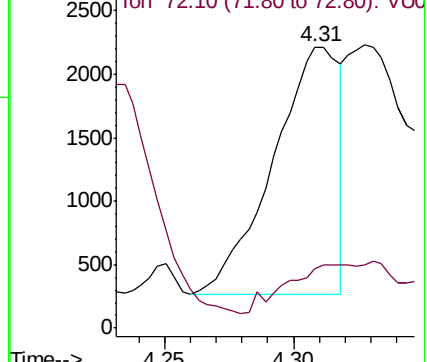
Ion Ratio Lower Upper

43 100

72 20.4 11.0 33.0



Abundance Ion 43.05 (42.75 to 43.75): VU028137.D (-948) (-)



#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

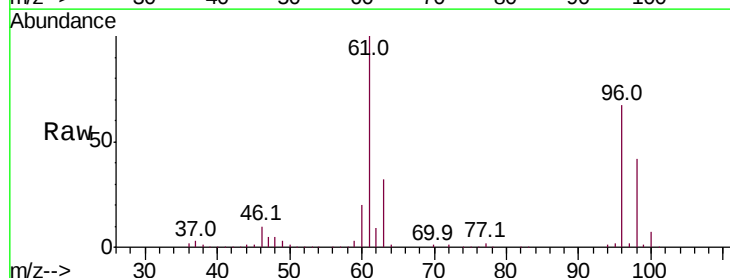
Tgt Ion: 96 Resp: 585117

Ion Ratio Lower Upper

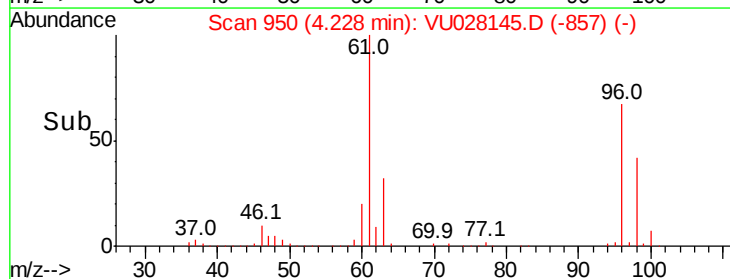
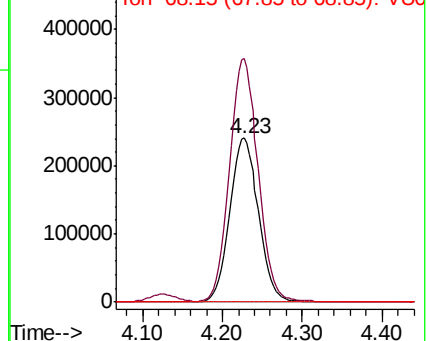
96 100

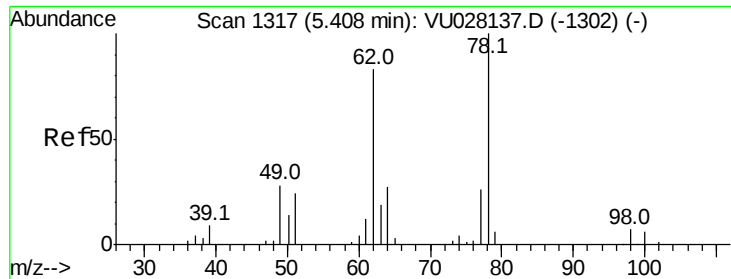
61 148.4 101.8 189.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028137.D (-933) (-)





#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

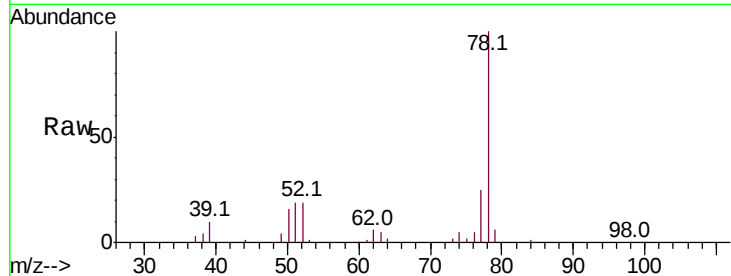
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 10477

Ion Ratio Lower Upper

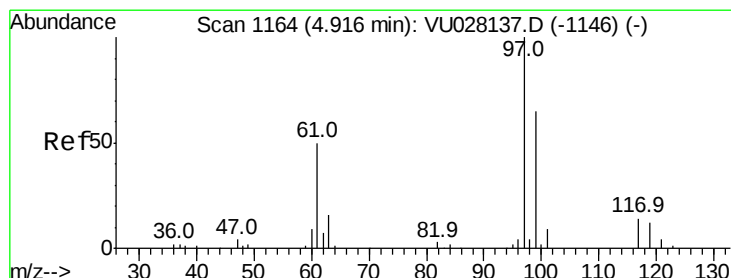
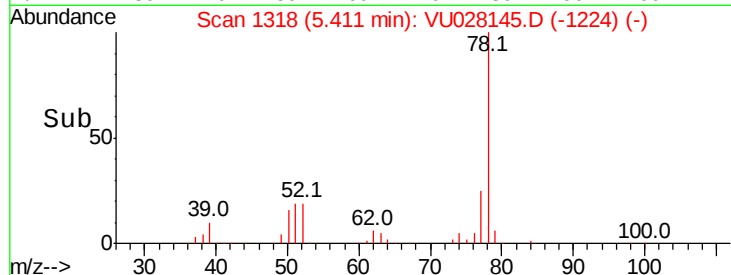
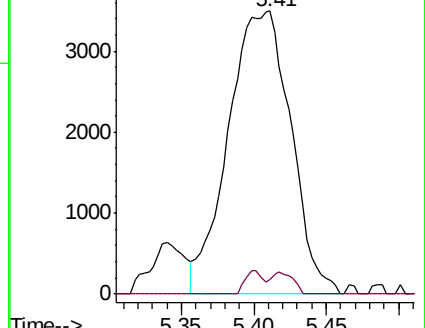
62 100

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

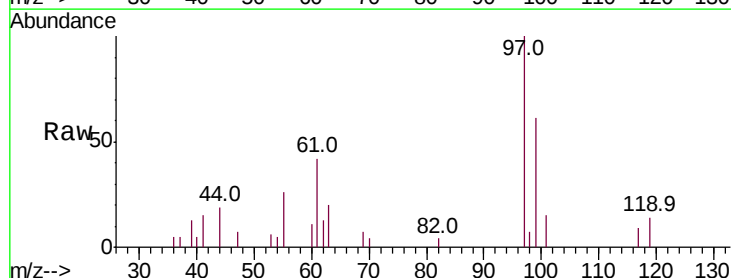
Tgt Ion: 97 Resp: 6232

Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

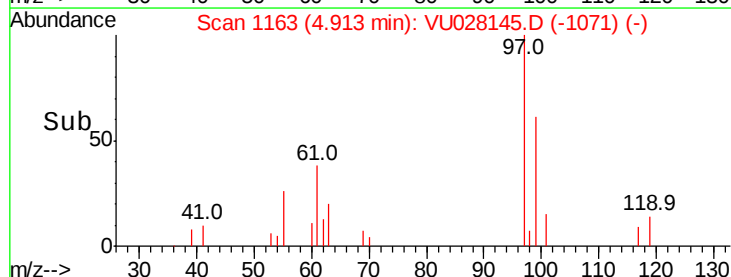
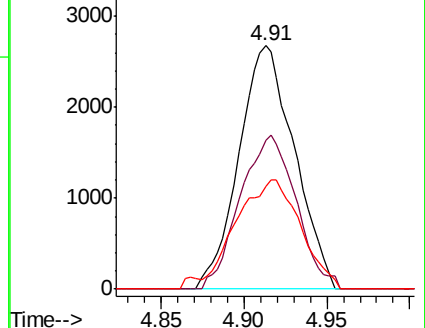
61 51.7 39.4 59.2

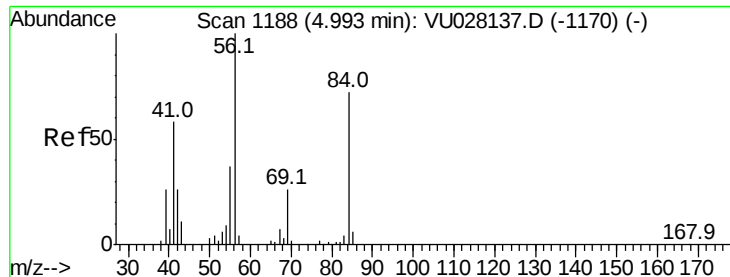


Abundance Ion 96.95 (96.65 to 97.65): VU0

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 :

MSVOA_U

ClientSampleId :

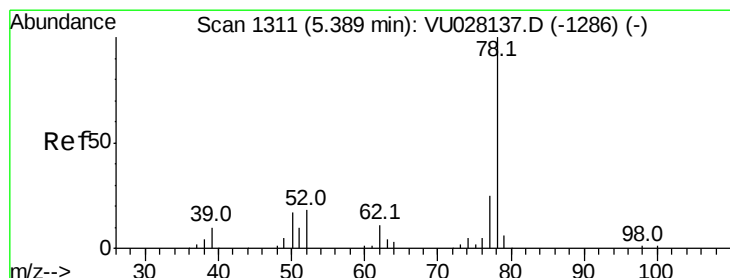
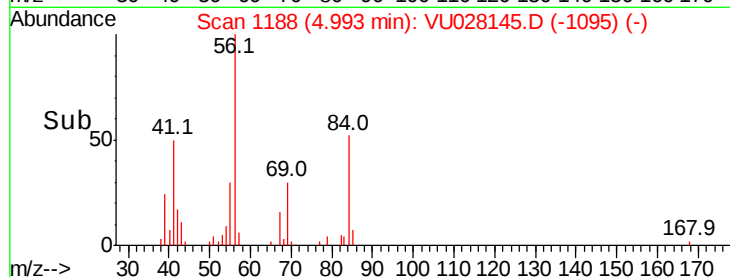
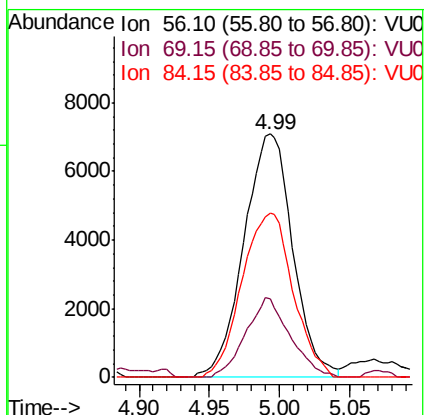
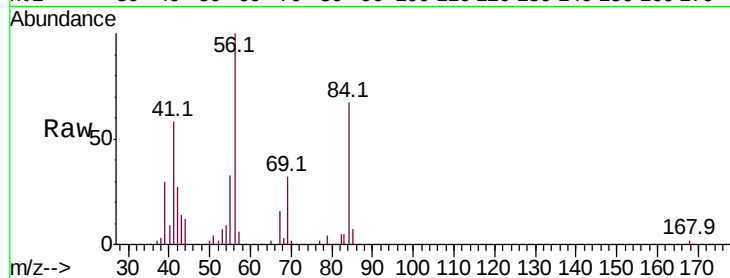
Tot Ion: 56 Resp: 17161

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

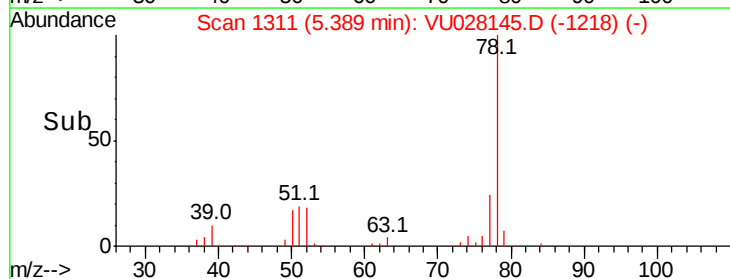
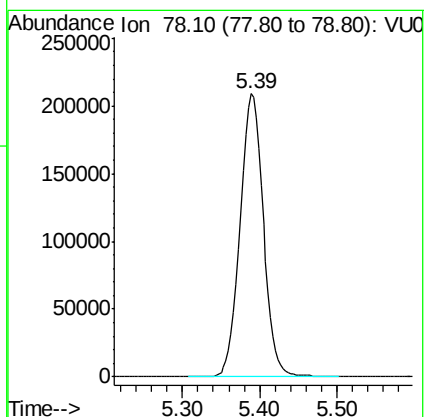
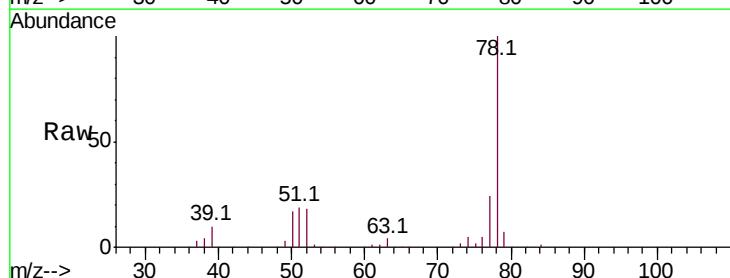
RT: 5.39 min Scan# 1311

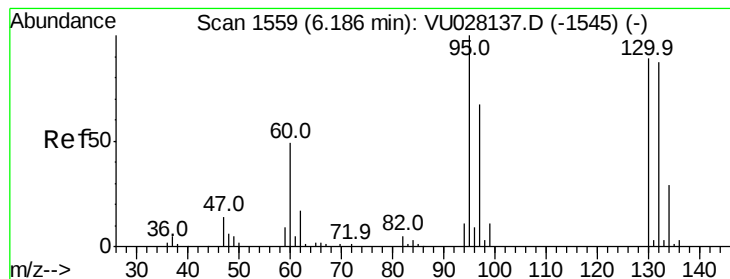
Delta R.T. -0.00 min

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 :

Tot Ion: 95 Resp: 12028

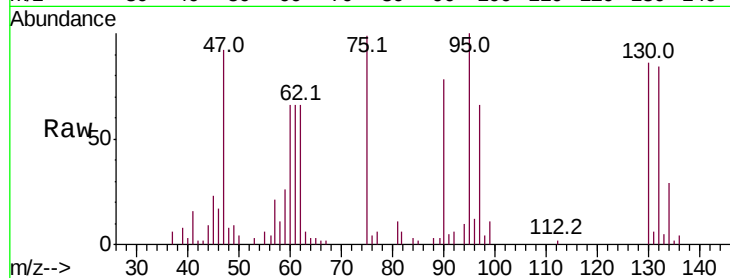
Ion Ratio Lower Upper

95 100

97 66.2 45.3 84.1

132 83.8 63.0 117.0

130 85.8 63.6 118.2

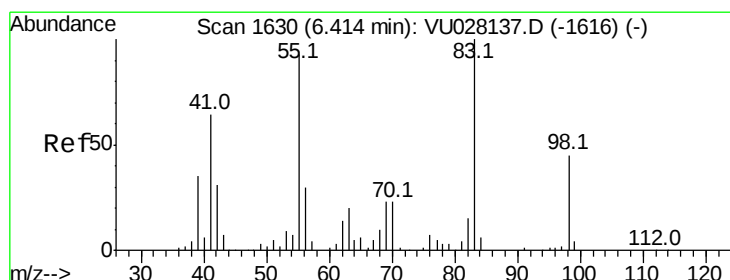
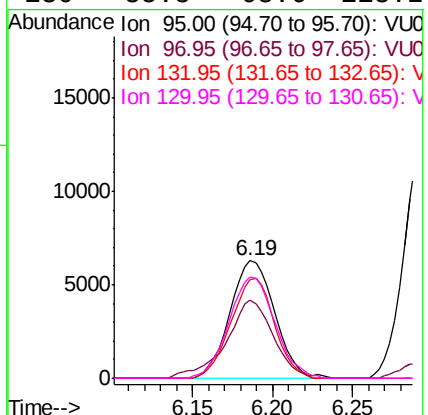
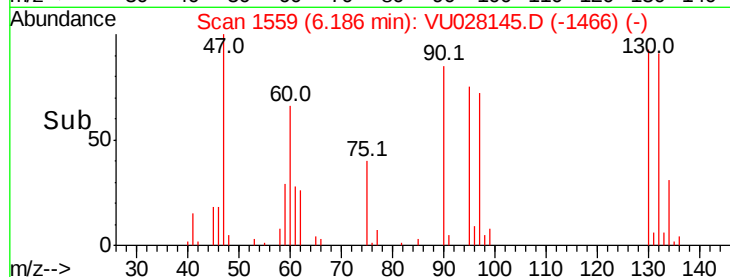


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#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

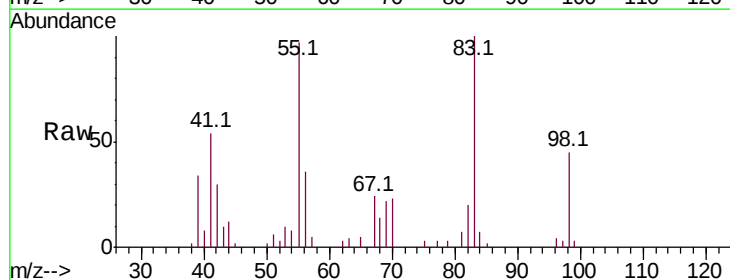
Tgt Ion: 83 Resp: 9991

Ion Ratio Lower Upper

83 100

55 106.7 69.0 103.4#

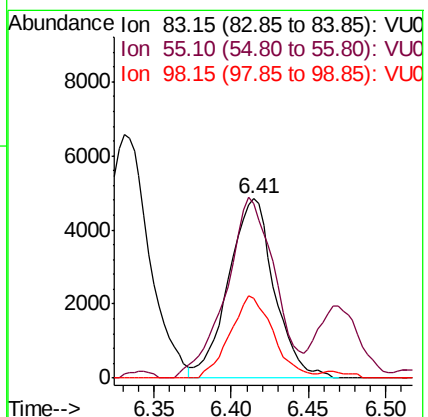
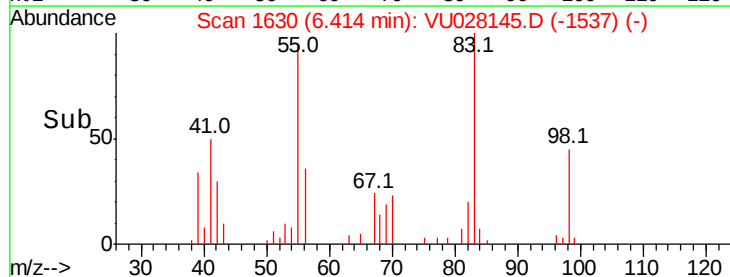
98 43.3 33.3 49.9

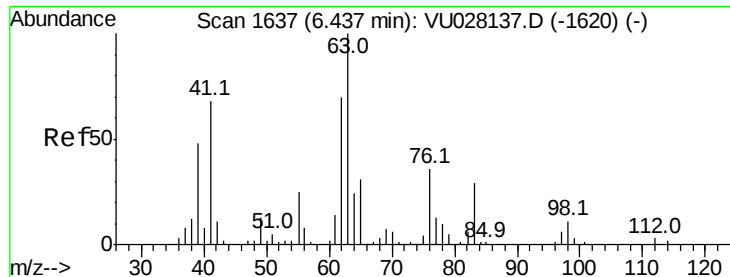


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.095 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

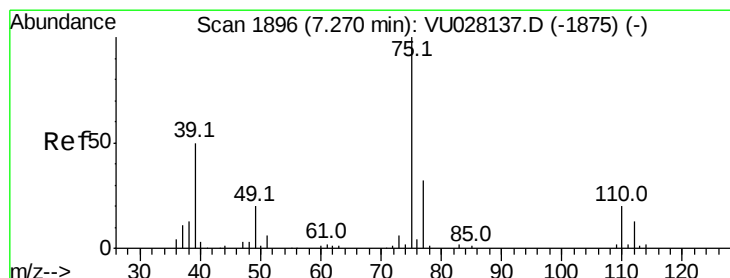
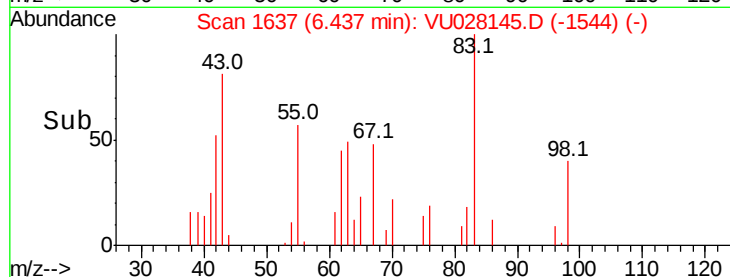
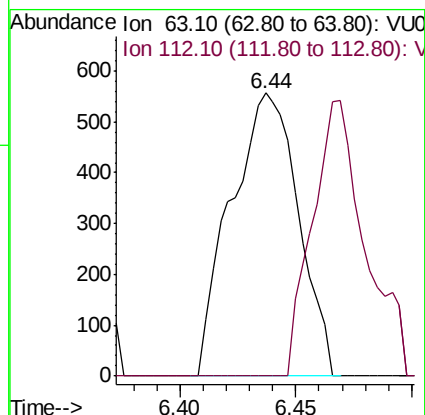
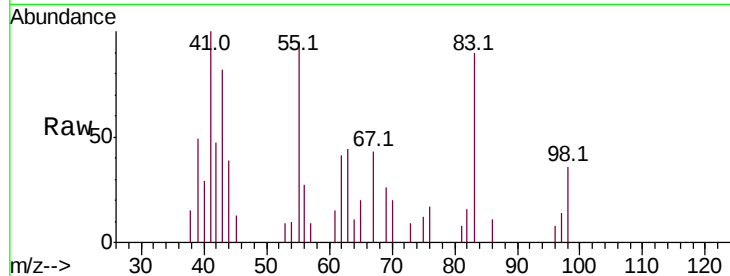
ClientSampled :

Tot Ion: 63 Resp: 1127

Ion Ratio Lower Upper

63 100

112 75.8 2.2 3.4#



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.23 min Scan# 1885

Delta R.T. -0.04 min

Lab File: VU028145.D

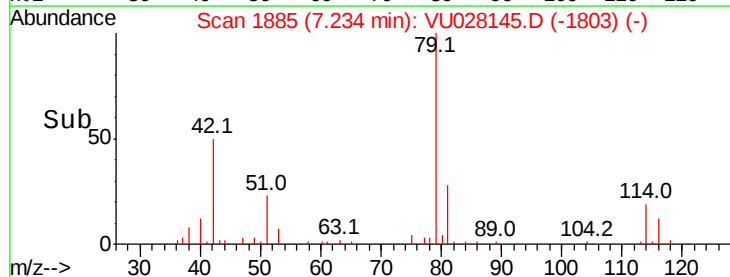
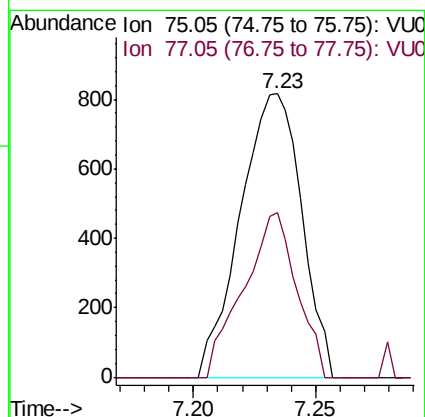
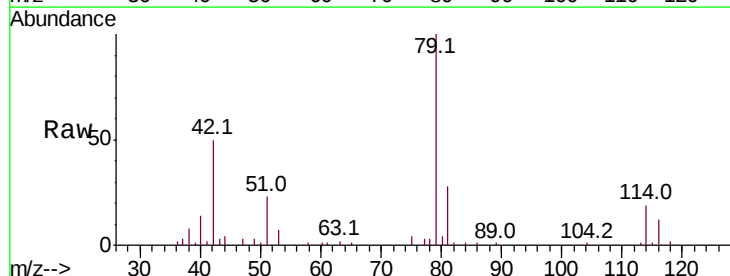
Acq: 15 Nov 2018 01:42

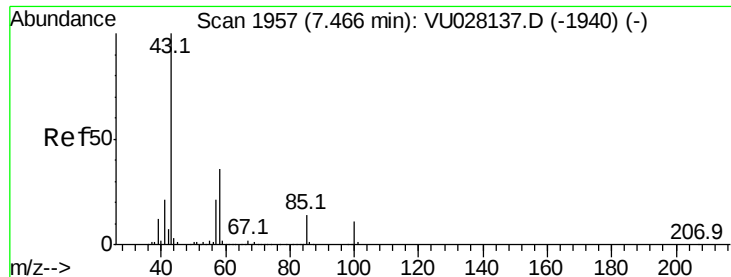
Tgt Ion: 75 Resp: 1421

Ion Ratio Lower Upper

75 100

77 58.1 20.9 38.9#

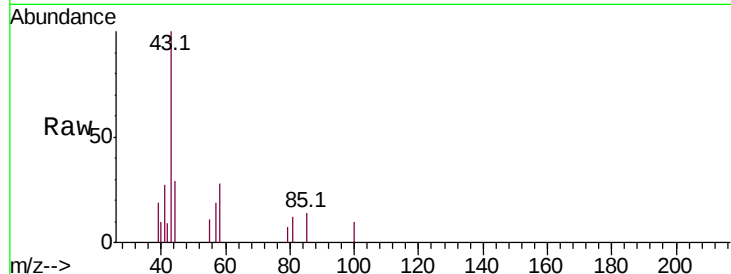




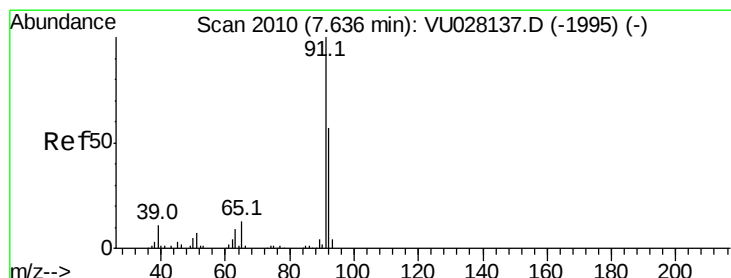
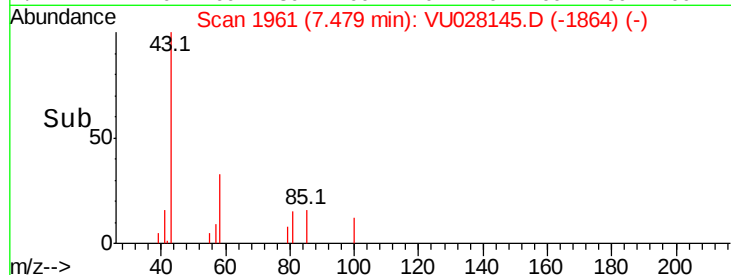
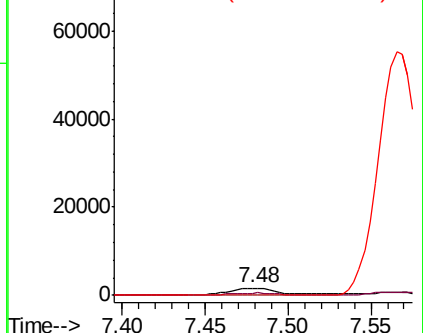
#40
4-Methyl-2-pentanone
Concen: 0.445 ug/L
RT: 7.48 min Scan# 1961
Delta R.T. 0.01 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3639
Ion Ratio Lower Upper
43 100
58 25.1 29.9 44.9#
100 0.0 9.1 13.7#

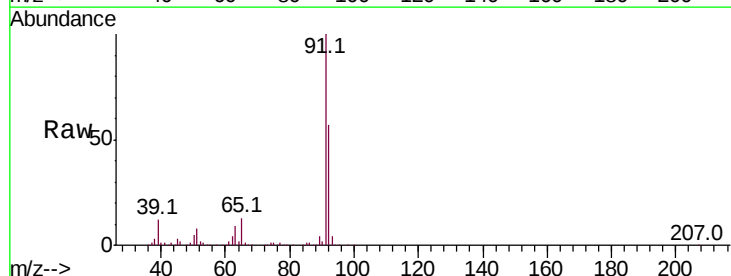


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

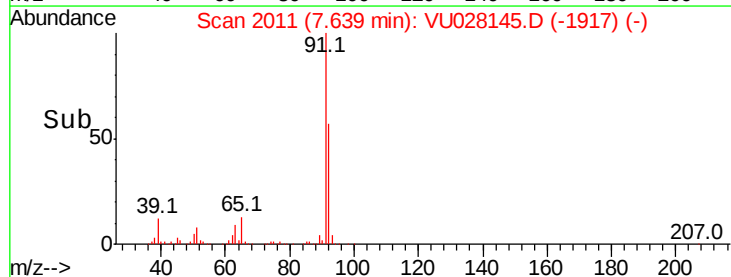
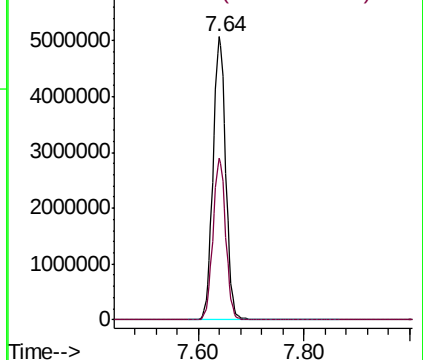


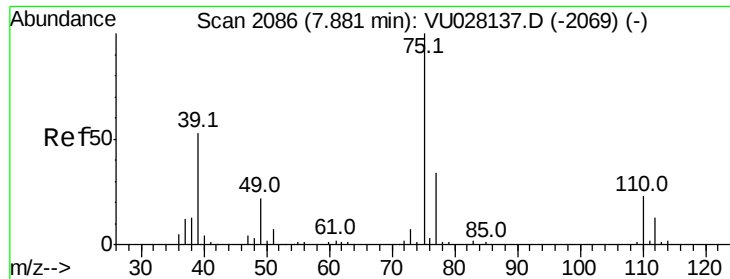
#42
Toluene
Concen: 191.660 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion: 91 Resp: 8482261
Ion Ratio Lower Upper
91 100
92 57.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.340 ug/L

RT: 8.10 min Scan# 2154

Delta R.T. 0.22 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

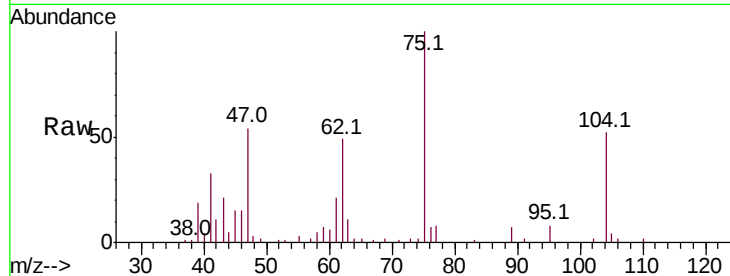
ClientSampled :

Tot Ion: 75 Resp: 16853

Ion Ratio Lower Upper

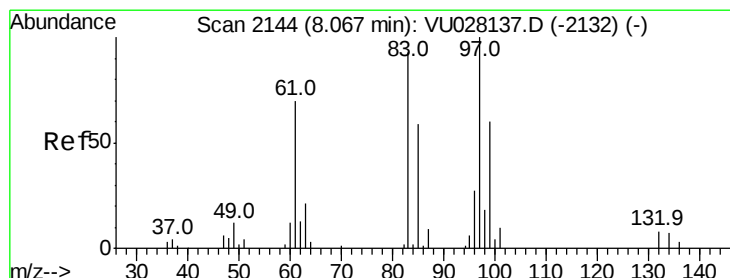
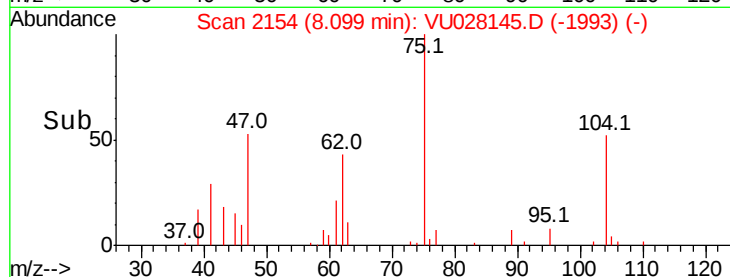
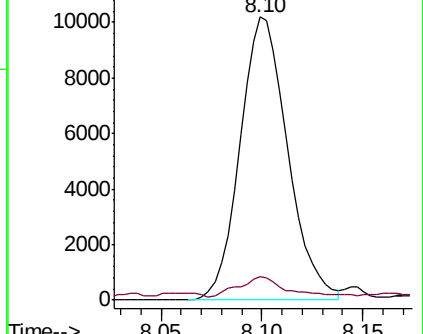
75 100

77 8.2 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.282 ug/L

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Tgt Ion: 97 Resp: 2020

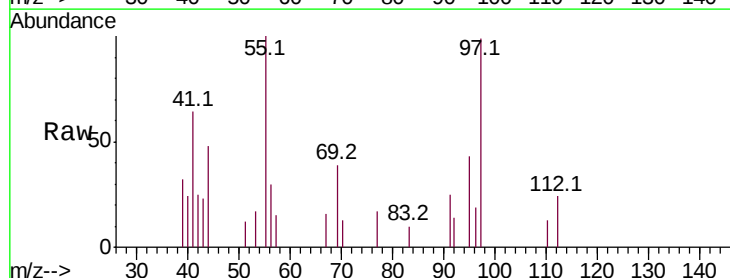
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.1#

83 10.0 63.7 118.3#

85 0.0 40.6 75.4#

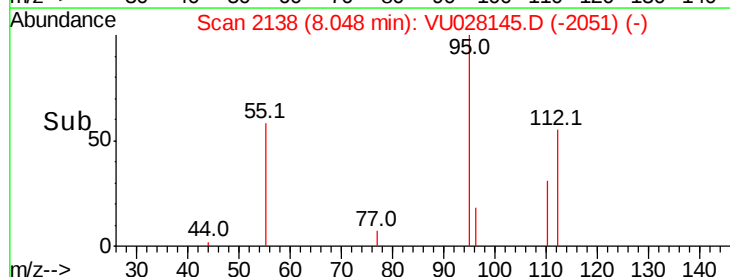
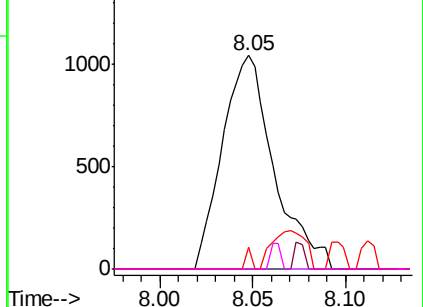


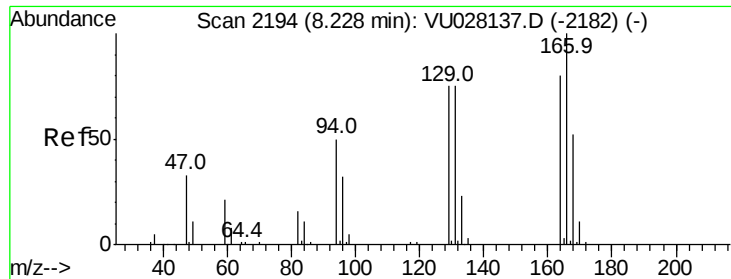
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

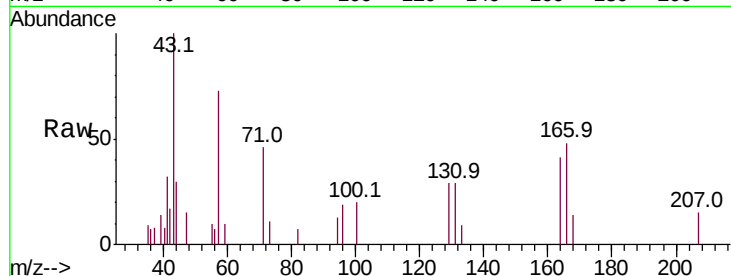




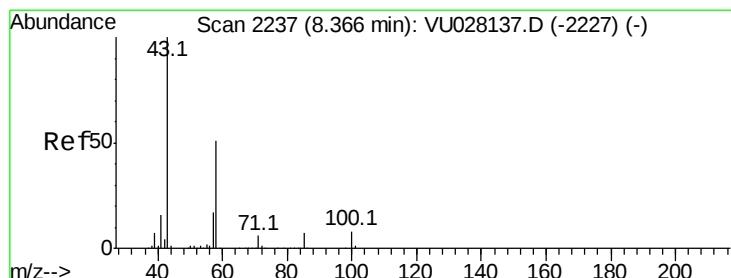
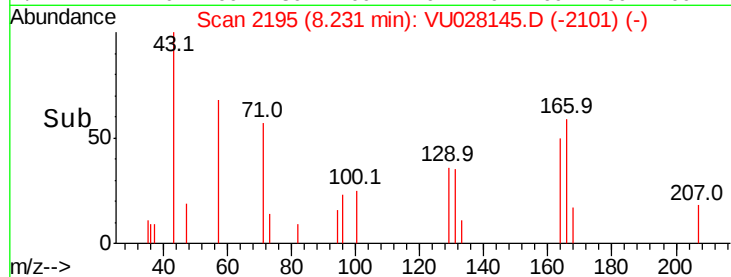
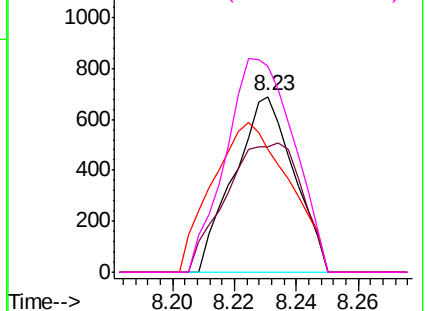
#47
Tetrachloroethene
Concen: 0.107 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 926
Ion Ratio Lower Upper
164 100
129 71.0 69.7 129.4
131 69.9 64.0 118.8
166 117.1 86.4 160.4

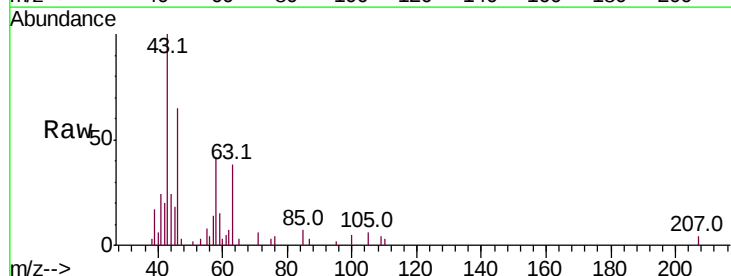


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

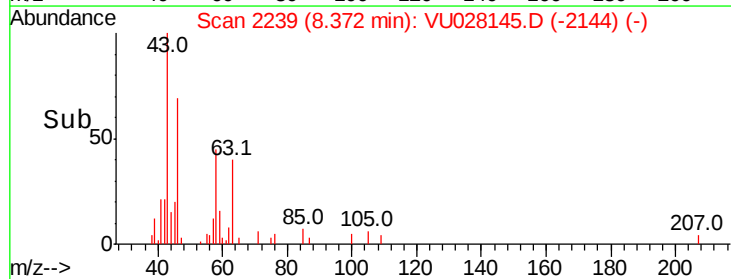
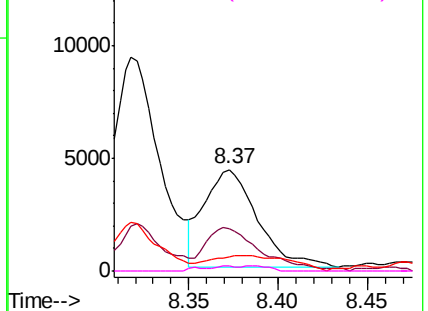


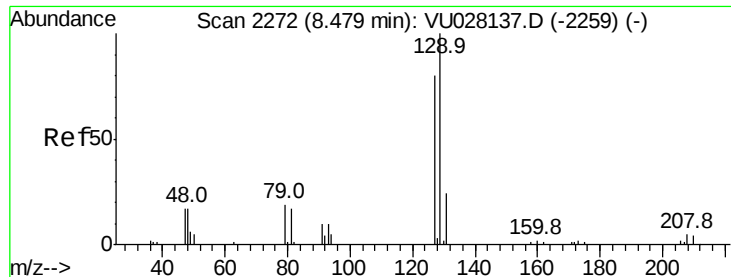
#48
2-Hexanone
Concen: 1.536 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028145.D
Acq: 15 Nov 2018 01:42

Tgt Ion: 43 Resp: 8936
Ion Ratio Lower Upper
43 100
58 45.9 41.7 62.5
57 6.7 14.0 21.0#
100 0.9 7.2 10.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.113 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VU028145.D

Acq: 15 Nov 2018 01:42

Instrument :

MSVOA_U

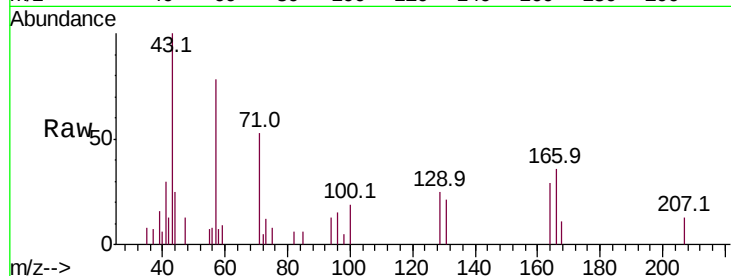
ClientSampleId :

Tot Ion:129 Resp: 865

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.23

600

500

400

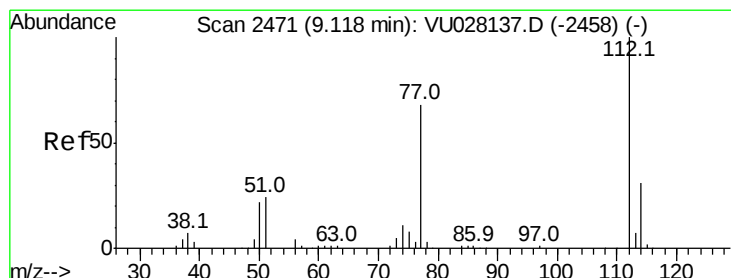
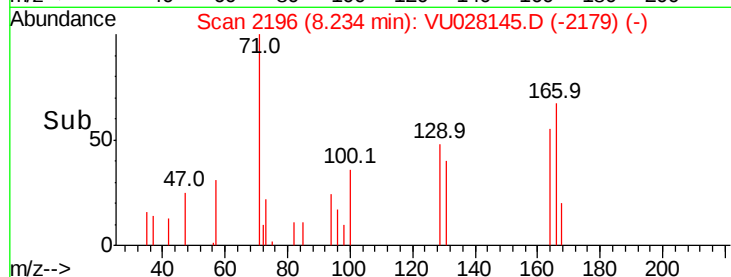
300

200

100

0

Time--> 8.18 8.20 8.22 8.24 8.26



#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

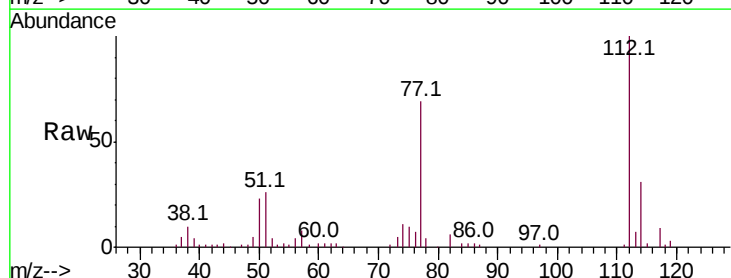
Tgt Ion:112 Resp: 46066

Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 68.6 51.3 76.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

200000

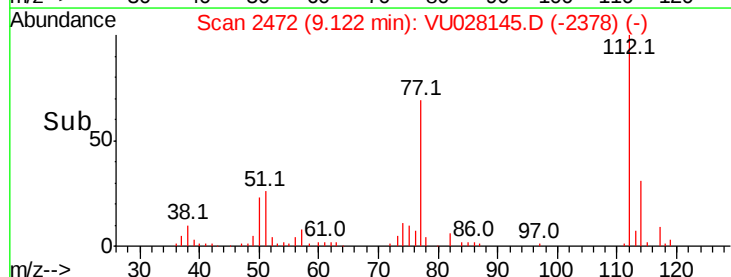
150000

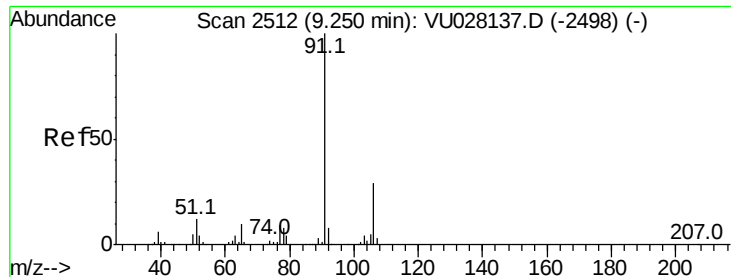
100000

50000

0

Time--> 9.05 9.10 9.15 9.20





#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

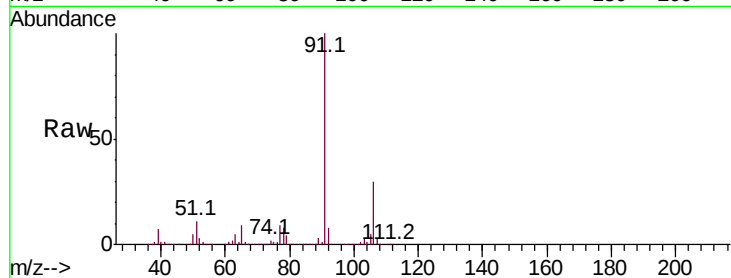
ClientSampleId :

Tot Ion: 91 Resp: 2894749

Ion Ratio Lower Upper

91 100

106 29.6 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU028137.D (-2498) (-)

Ion 106.15 (105.85 to 106.85): VU028137.D (-2498) (-)

4000000

3000000

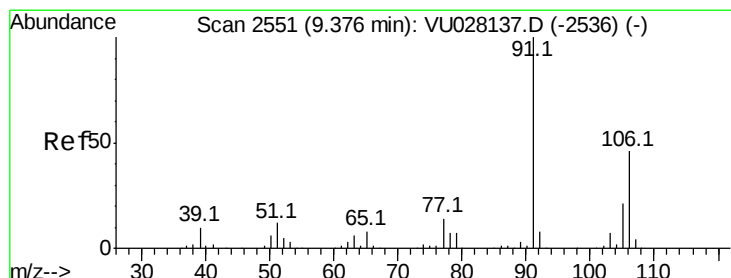
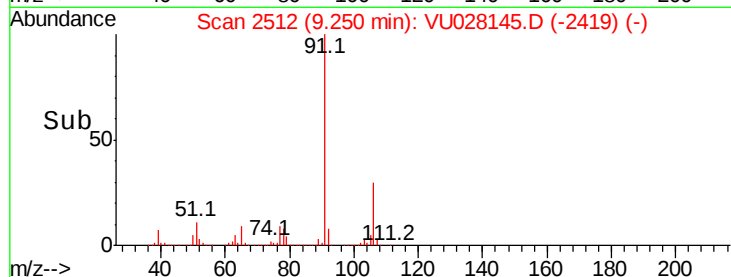
2000000

1000000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#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

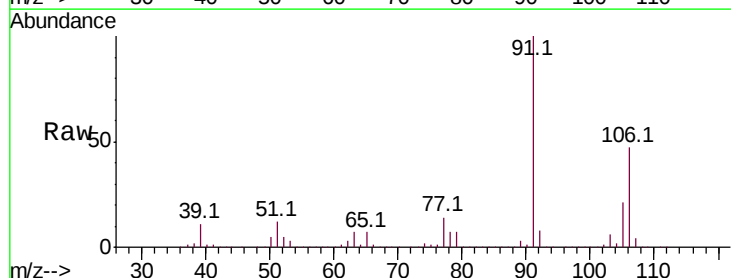
Acq: 15 Nov 2018 01:42

Tgt Ion: 106 Resp: 2503479

Ion Ratio Lower Upper

106 100

91 213.5 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): VU028137.D (-2536) (-)

Ion 91.15 (90.85 to 91.85): VU028137.D (-2536) (-)

4000000

3000000

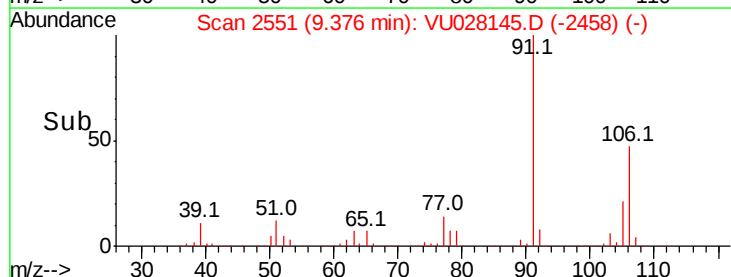
2000000

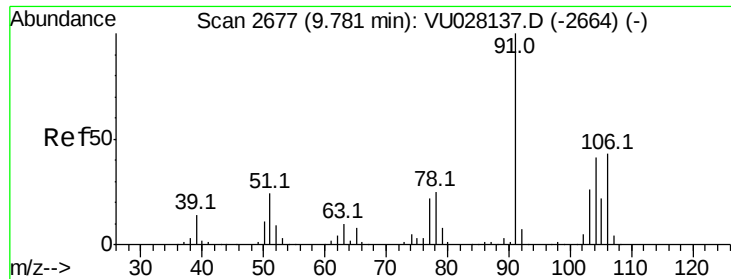
1000000

0

9.30 9.35 9.40 9.45 9.50

Time-->





#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

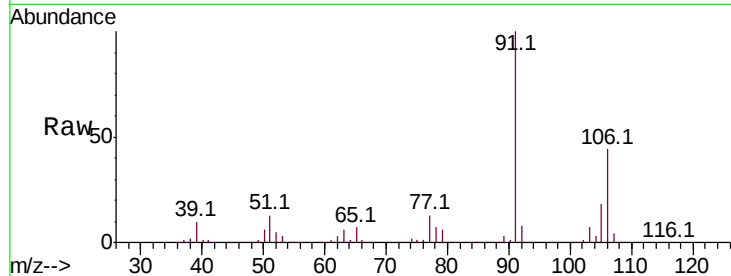
ClientSampled :

Tot Ion:106 Resp: 1211364

Ion Ratio Lower Upper

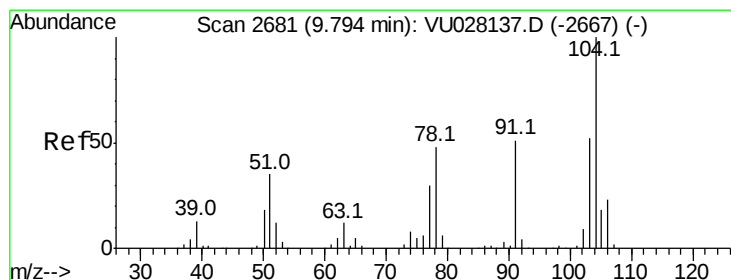
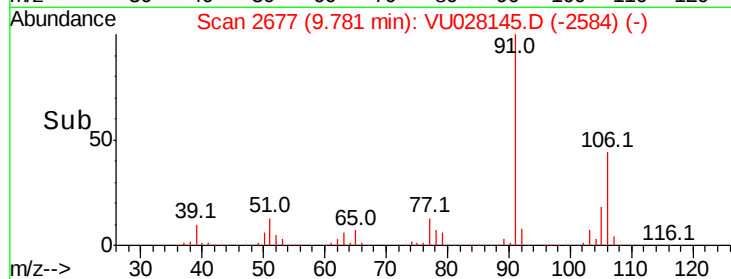
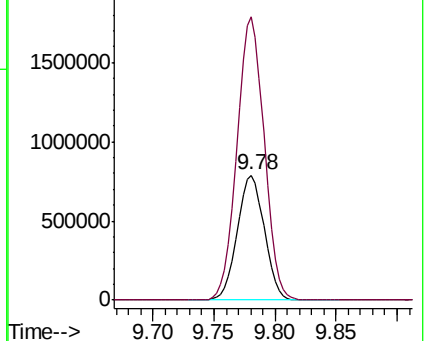
106 100

91 226.1 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 3.589 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. -0.01 min

Lab File: VU028145.D

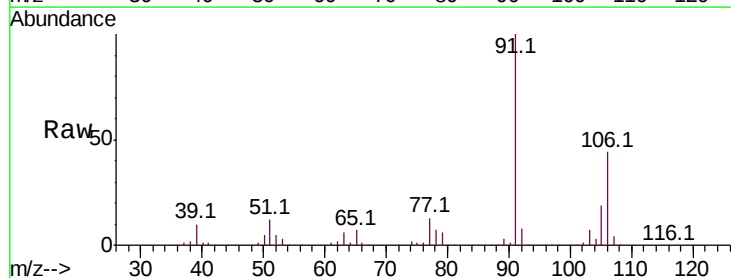
Acq: 15 Nov 2018 01:42

Tgt Ion:104 Resp: 102830

Ion Ratio Lower Upper

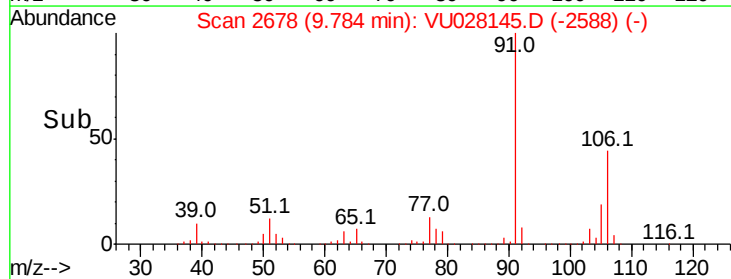
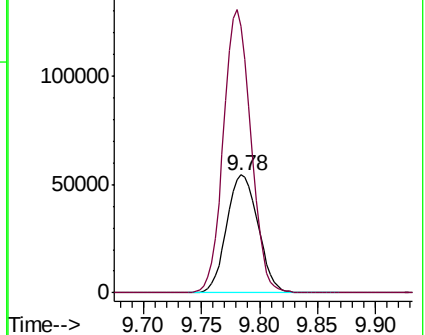
104 100

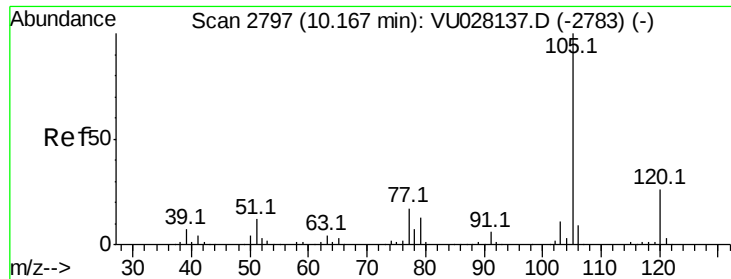
78 226.2 34.5 64.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#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

Instrument :

MSVOA_U

ClientSampleId :

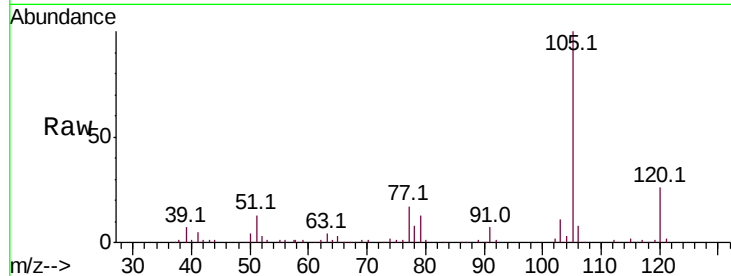
Tot Ion:105 Resp: 84302

Ion Ratio Lower Upper

105 100

120 26.6 20.5 30.7

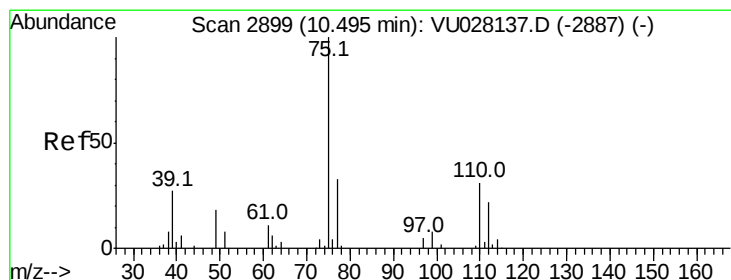
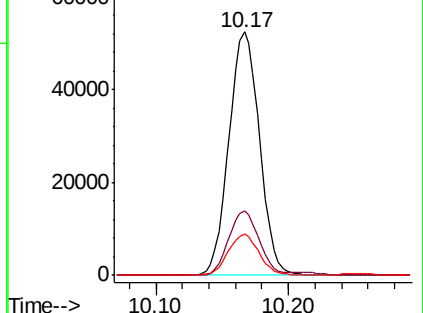
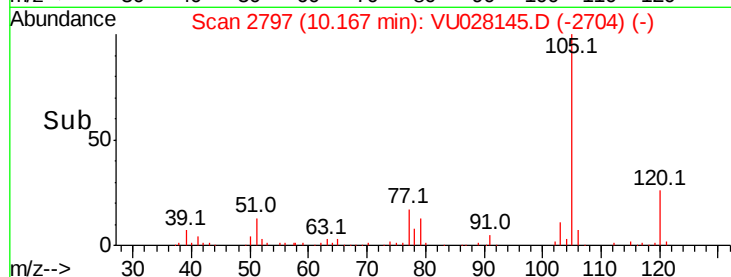
77 17.1 13.3 19.9



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.508 ug/L

RT: 10.68 min Scan# 2956

Delta R.T. 0.18 min

Lab File: VU028145.D

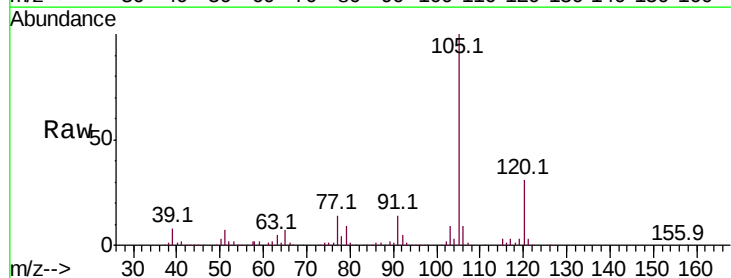
Acq: 15 Nov 2018 01:42

Tgt Ion: 75 Resp: 3384

Ion Ratio Lower Upper

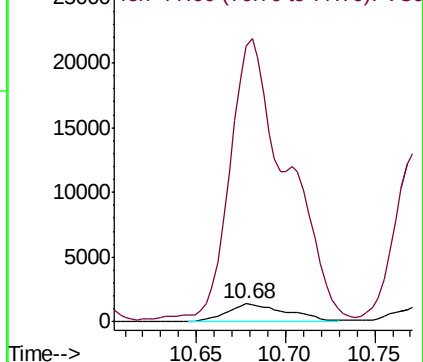
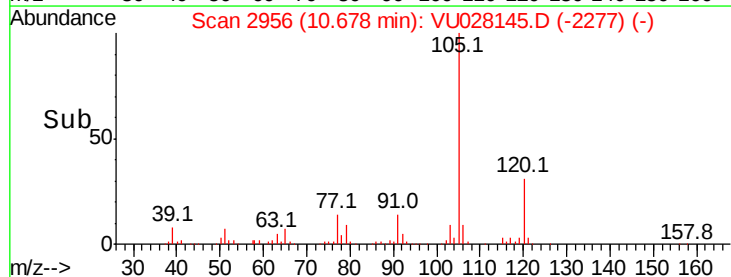
75 100

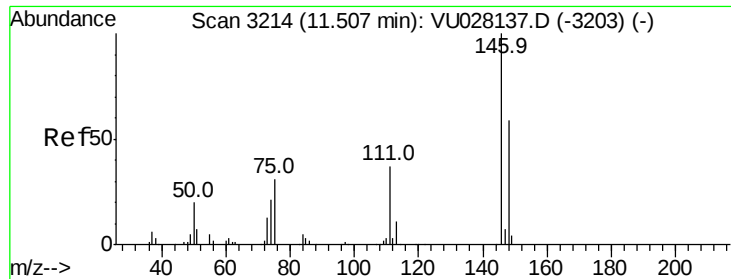
77 1444.6 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

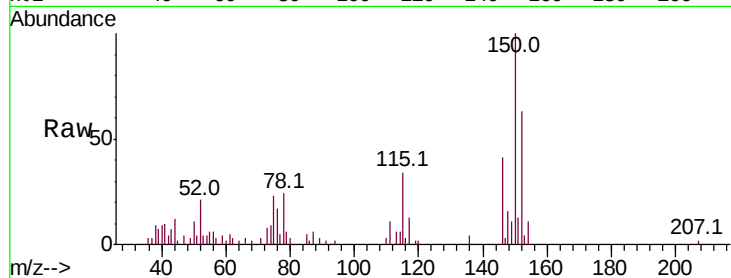




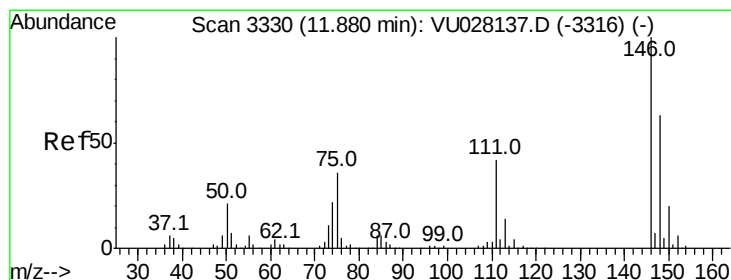
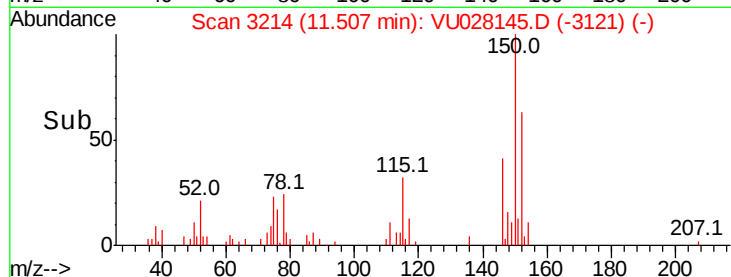
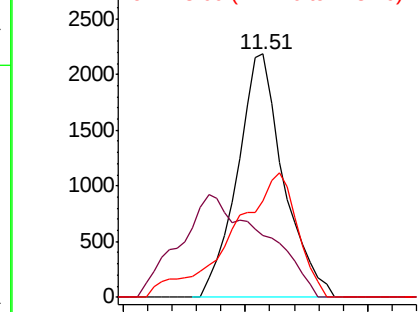
#63
 1,4-Dichlorobenzene
 Concen: 0.137 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028145.D
 Acq: 15 Nov 2018 01:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 2851
 Ion Ratio Lower Upper
 146 100
 111 25.5 27.4 51.0#
 148 39.4 43.8 81.3#

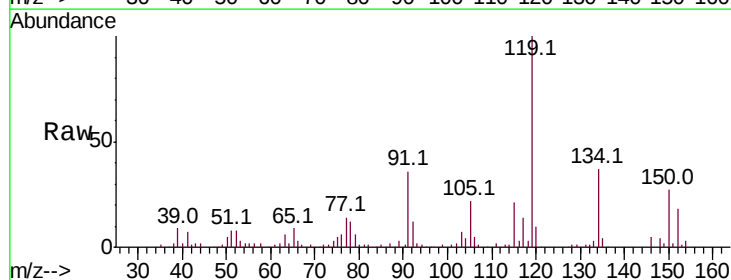


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

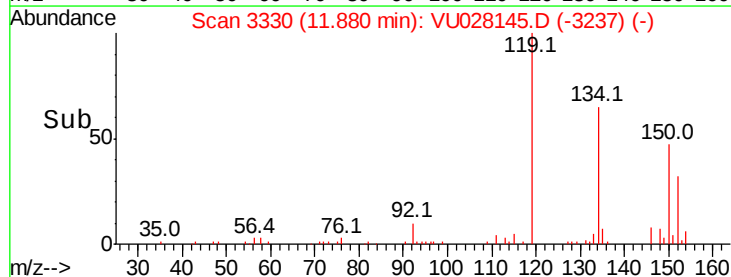
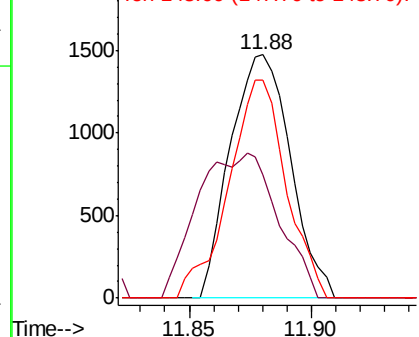


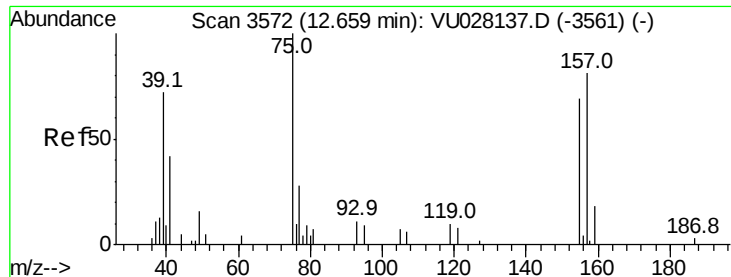
#65
 1,2-Dichlorobenzene
 Concen: 0.129 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU028145.D
 Acq: 15 Nov 2018 01:42

Tgt Ion:146 Resp: 2527
 Ion Ratio Lower Upper
 146 100
 111 50.4 33.9 50.9
 148 89.8 50.9 76.3#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

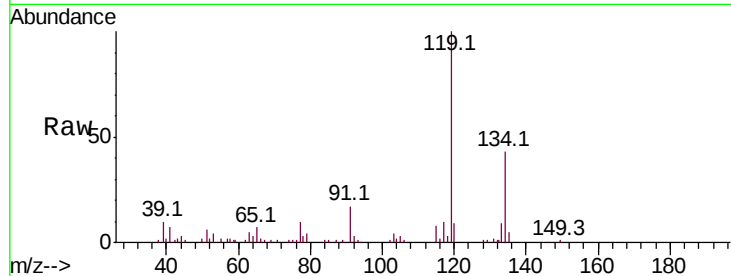




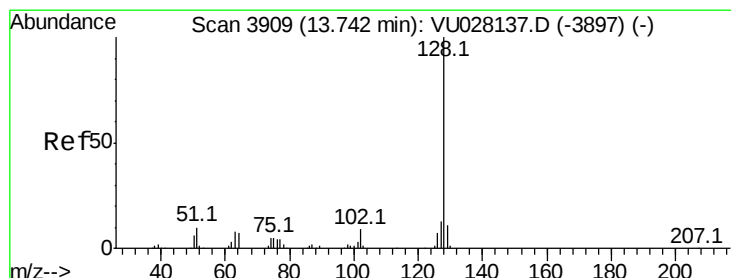
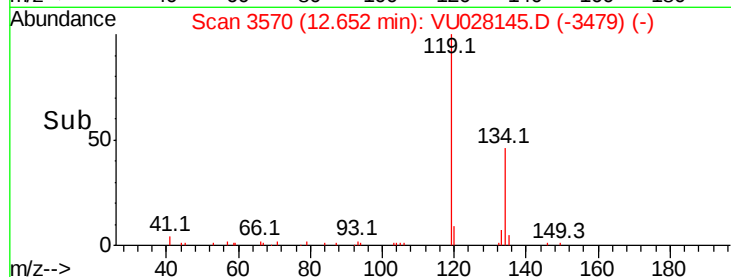
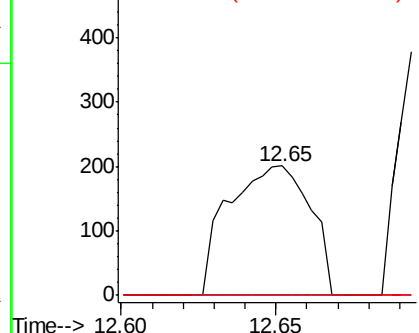
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.260 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.01 min
 Lab File: VU028145.D
 Acq: 15 Nov 2018 01:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 370
 Ion Ratio Lower Upper
 75 100
 155 0.0 62.8 94.2#
 157 0.0 85.3 127.9#

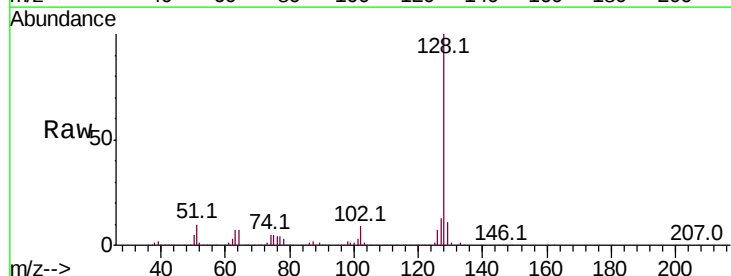


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V



#69
 Naphthalene
 Concen: 20.168 ug/L
 RT: 13.74 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: VU028145.D
 Acq: 15 Nov 2018 01:42

Tgt Ion: 128 Resp: 516363
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.5 12.7
 127 13.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

