

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026777.D
 Acq On : 15 Sep 2018 14:57
 Operator : MD/SY
 Sample : J4864-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D11

Quant Time: Sep 18 07:58:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	131527	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	113843	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44561	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.68	69	37578	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.27	63	67088	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.23	46	106473	48.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.58%
24) Chloroform-d	4.65	84	77070	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.31	65	42266	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.34	84	161359	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.33	67	51042	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.57	98	138955	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	18729	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.33	63	74044	49.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.78%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	38287	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	55456	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6200	0.430	ug/L	85
12) 1,1-Dichloroethene	2.28	96	6286	0.641	ug/L	# 1
14) Carbon disulfide	2.48	76	14613	0.429	ug/L	97
16) Methylene chloride	2.70	84	10282	0.863	ug/L	100
19) 1,1-Dichloroethane	3.45	63	2920	0.145	ug/L	98
21) 2-Butanone	4.31	43	44065	13.604	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	24877	2.138	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	30685	1.872	ug/L	97
34) Trichloroethene	6.18	95	294087	27.083	ug/L	99
35) Methylcyclohexane	6.40	83	3831	0.217	ug/L	95
42) Toluene	7.64	91	7364	0.171	ug/L	100
47) Tetrachloroethene	8.22	164	2421	0.256	ug/L	94
52) Ethylbenzene	9.25	91	9922	0.230	ug/L	94
53) m,p-xylene	9.38	106	15750	0.953	ug/L	97
54) o-xylene	9.78	106	5219	0.330	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	3051	0.128	ug/L	93

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QLast Update : Mon Sep 17 07:09:54 2018
Response via : Initial Calibration

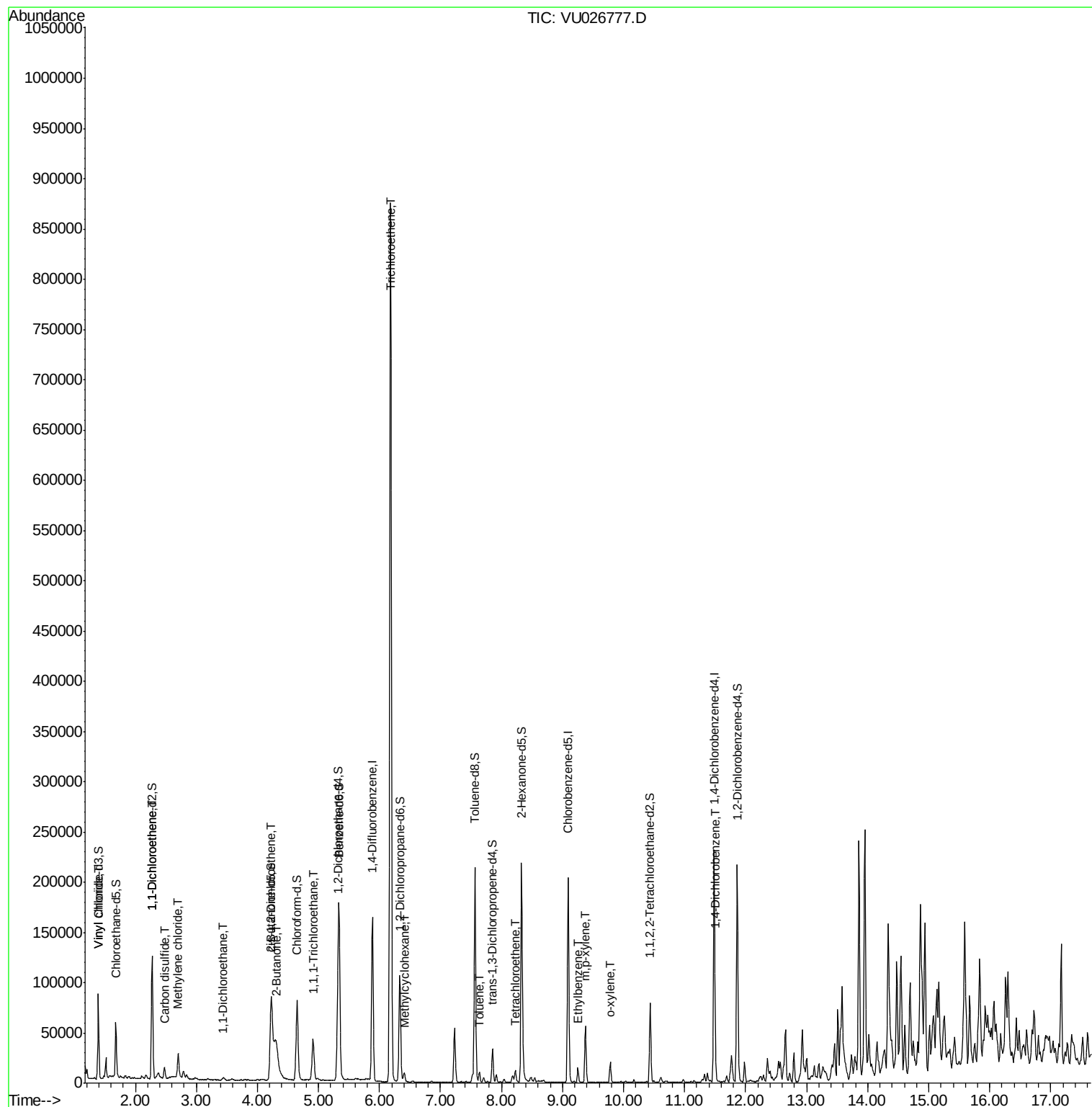
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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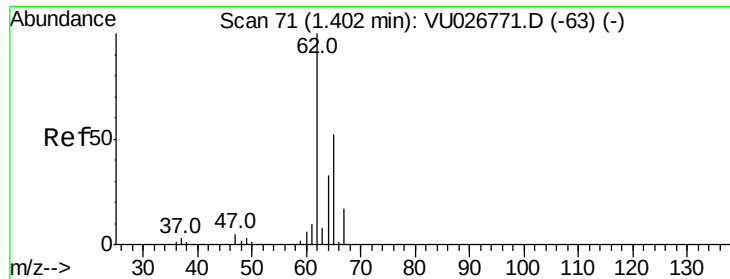
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.430 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

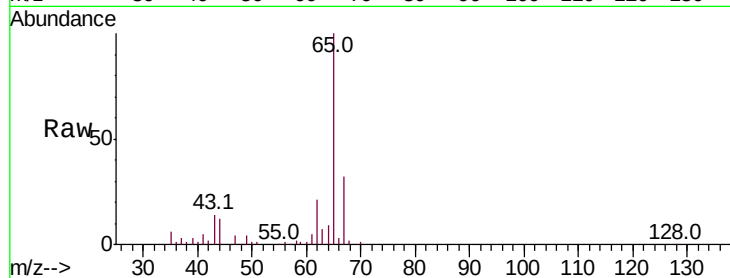
C0D11

Tot Ion: 62 Resp: 6200

Ion Ratio Lower Upper

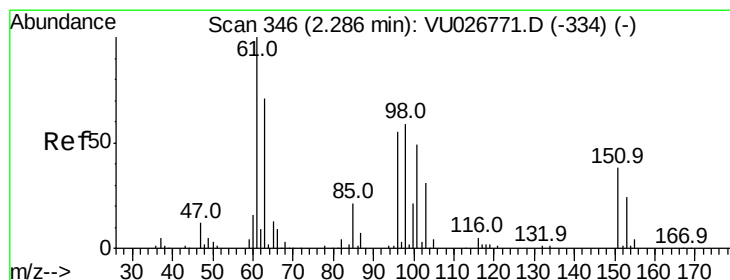
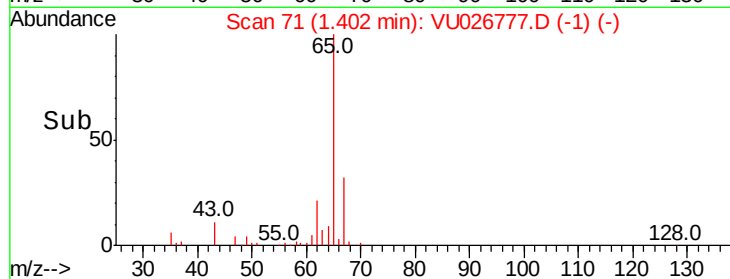
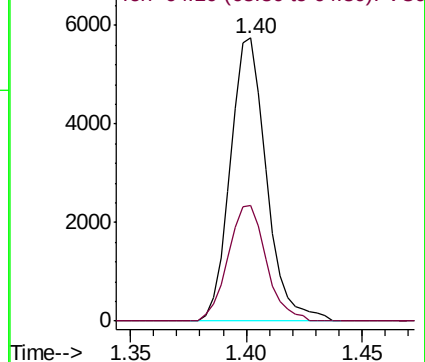
62 100

64 40.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.641 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

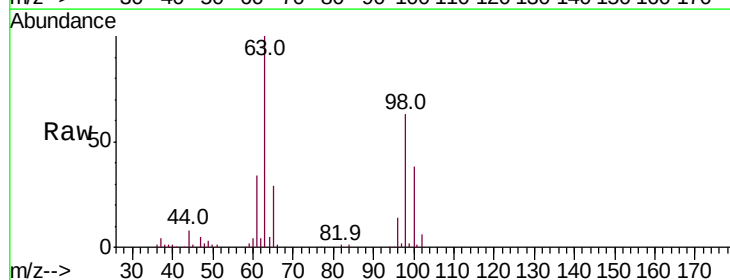
Tgt Ion: 96 Resp: 6286

Ion Ratio Lower Upper

96 100

61 237.6 126.6 235.2#

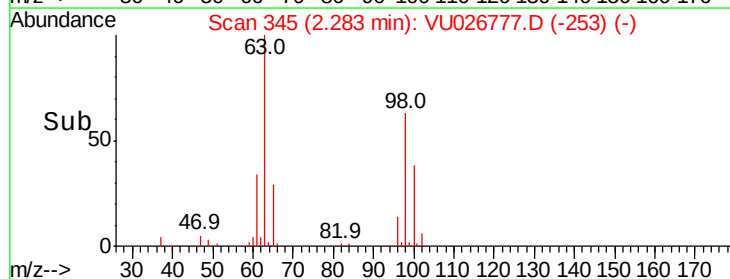
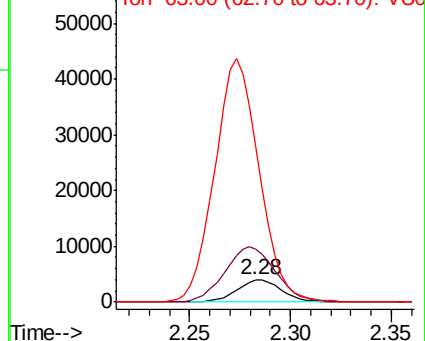
63 695.0 91.3 169.5#

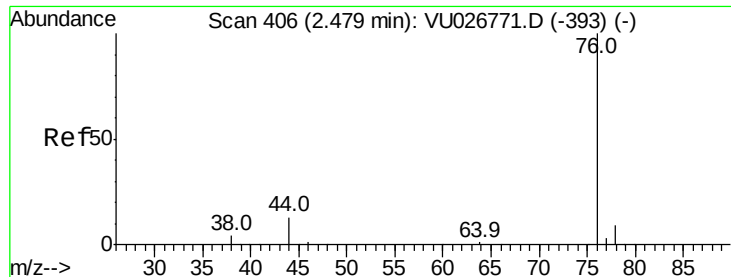


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.429 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

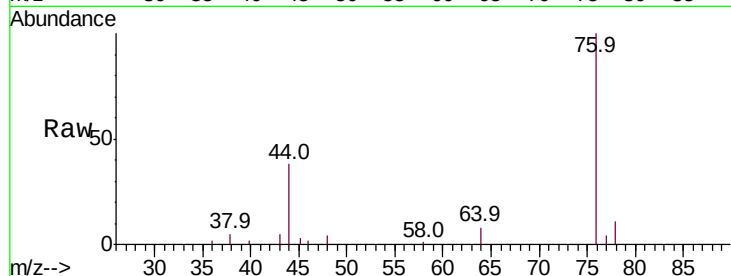
C0D11

Tot Ion: 76 Resp: 14613

Ion Ratio Lower Upper

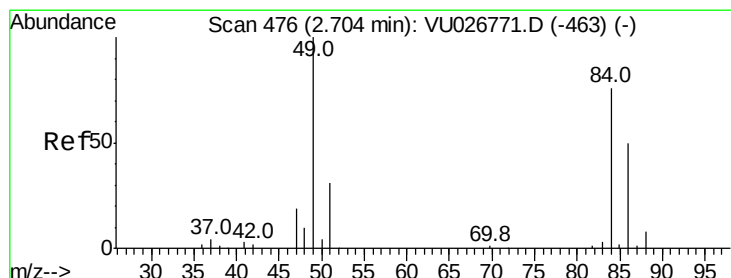
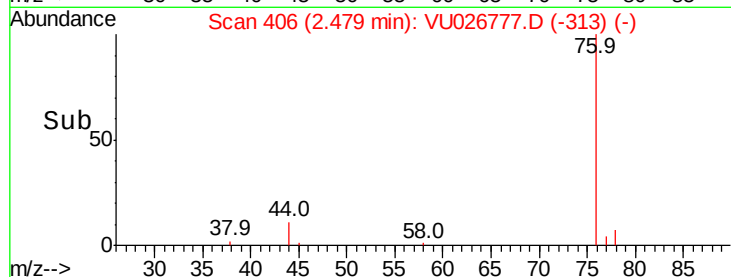
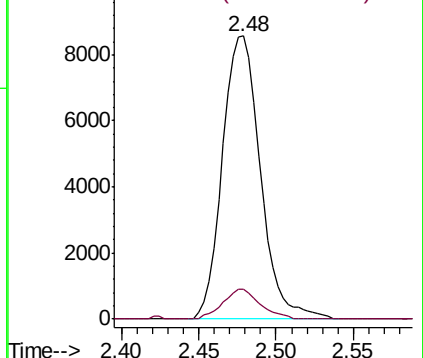
76 100

78 10.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#16

Methylene chloride

Concen: 0.863 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

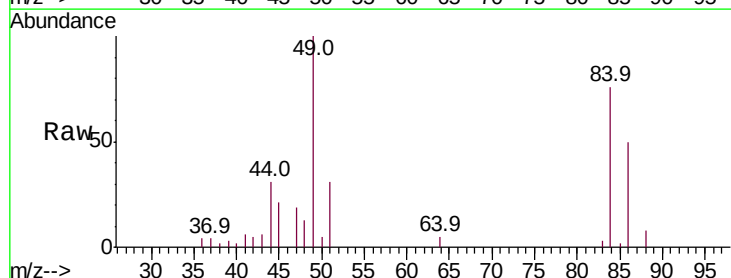
Tgt Ion: 84 Resp: 10282

Ion Ratio Lower Upper

84 100

86 65.1 46.1 85.5

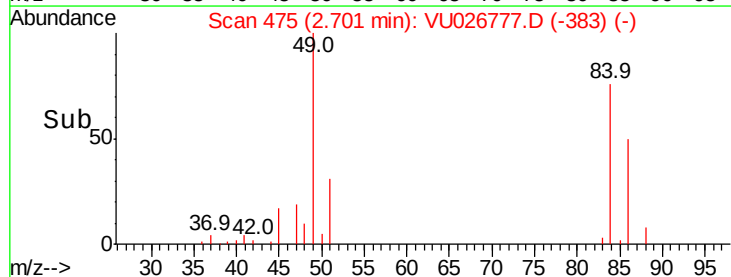
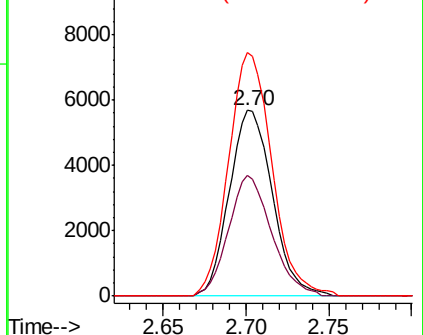
49 131.2 92.1 171.1

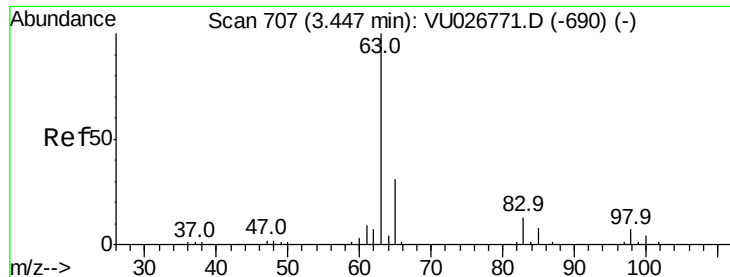


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



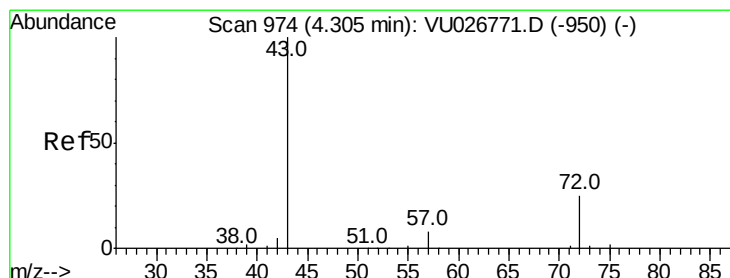
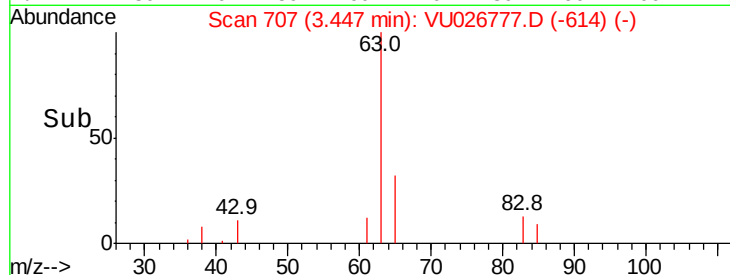
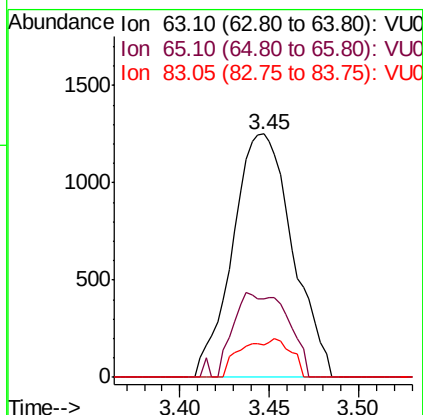
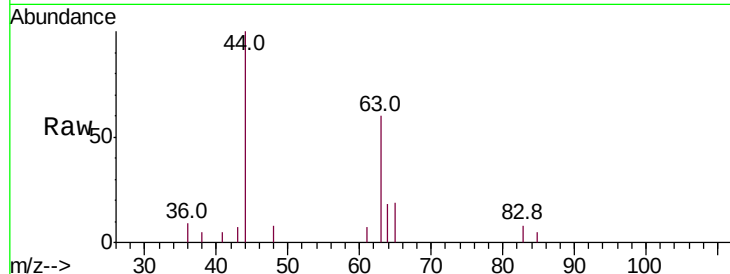


#19
 1,1-Dichloroethane
 Concen: 0.145 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026777.D
 Acq: 15 Sep 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D11

Tot Ion: 63 Resp: 2920

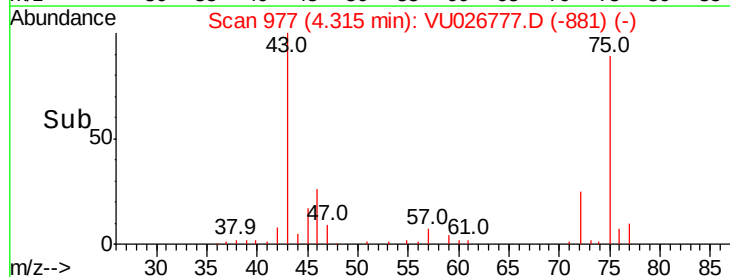
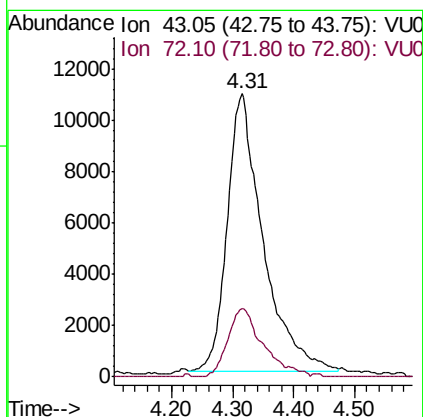
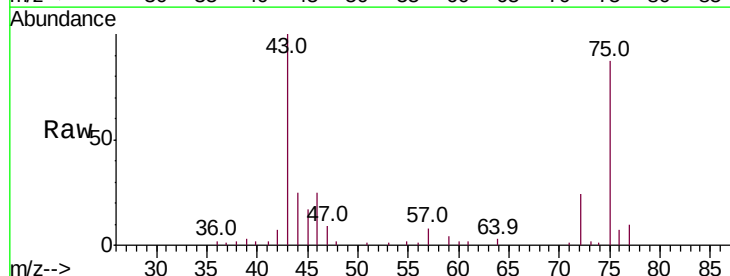
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.7	40.3
83	13.3	9.0	16.6

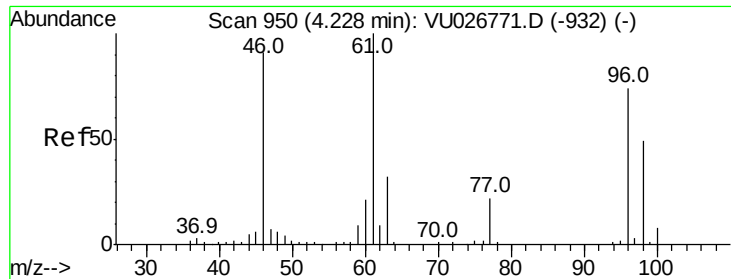


#21
 2-Butanone
 Concen: 13.604 ug/L
 RT: 4.31 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VU026777.D
 Acq: 15 Sep 2018 14:57

Tgt Ion: 43 Resp: 44065

Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.6	37.8



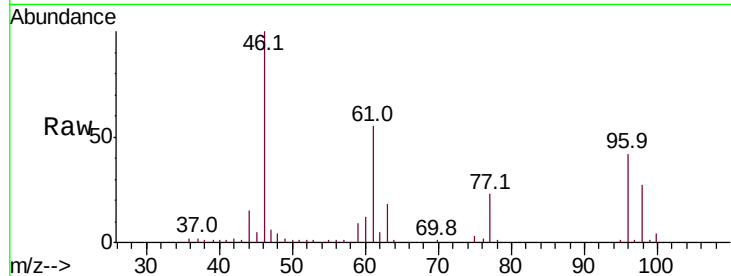


#22

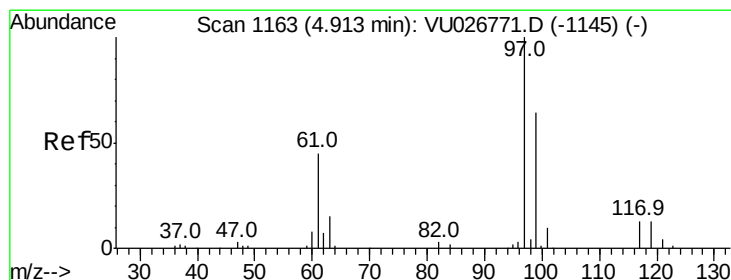
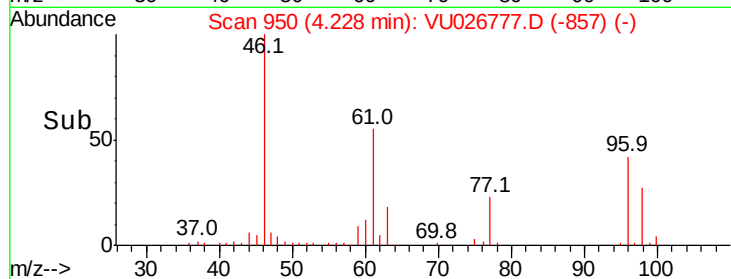
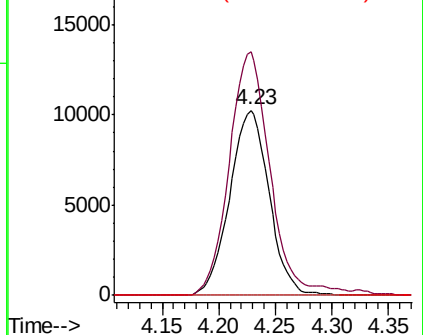
cis-1,2-Dichloroethene
Concen: 2.138 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU026777.D
Acq: 15 Sep 2018 14:57

Instrument :
MSVOA_U
ClientSampleId :
C0D11

Tot Ion: 96 Resp: 24877
Ion Ratio Lower Upper
96 100
61 131.8 94.4 175.2
68 0.0 0.0 0.0



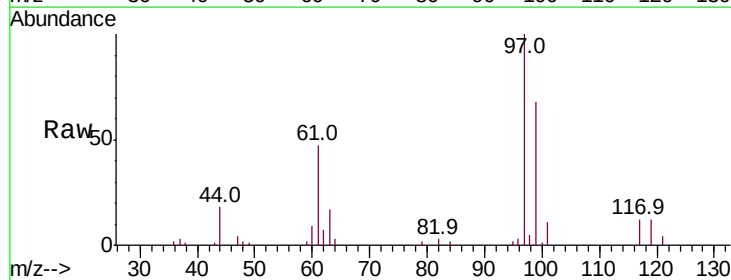
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



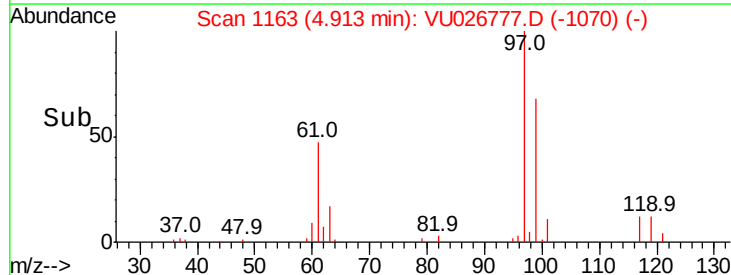
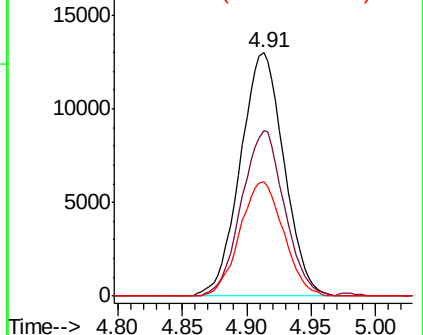
#29

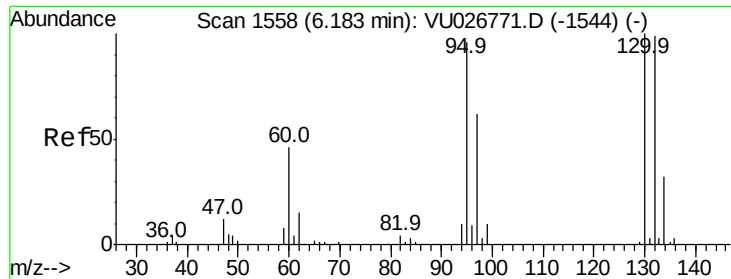
1,1,1-Trichloroethane
Concen: 1.872 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU026777.D
Acq: 15 Sep 2018 14:57

Tgt Ion: 97 Resp: 30685
Ion Ratio Lower Upper
97 100
99 66.8 51.5 77.3
61 46.9 36.6 54.8



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





#34

Trichloroethene

Concen: 27.083 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

C0D11

Tot Ion: 95 Resp: 294087

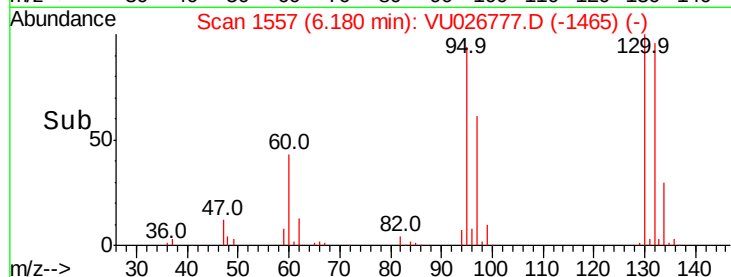
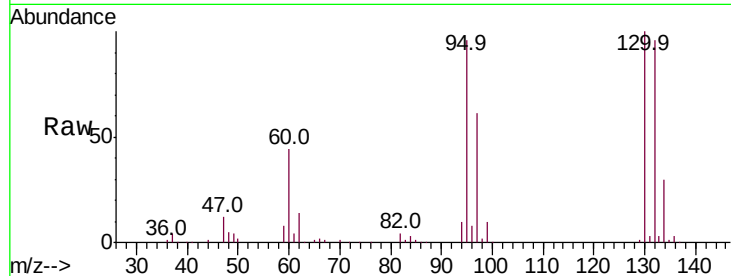
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 100.2 72.0 133.8

130 104.7 73.1 135.7

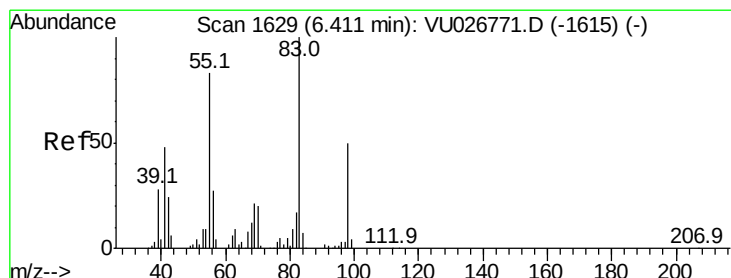
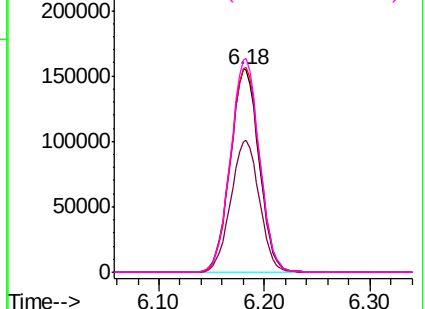


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.217 ug/L

RT: 6.40 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

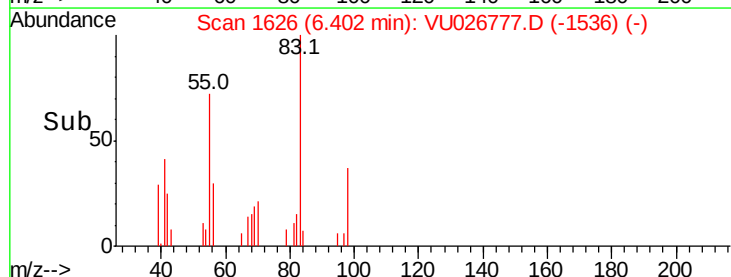
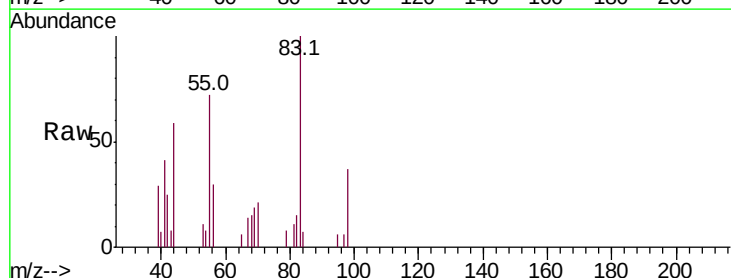
Tgt Ion: 83 Resp: 3831

Ion Ratio Lower Upper

83 100

55 82.3 64.9 97.3

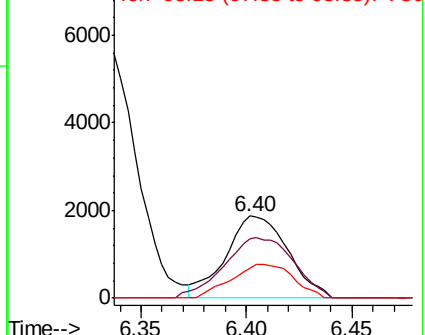
98 41.1 39.3 58.9

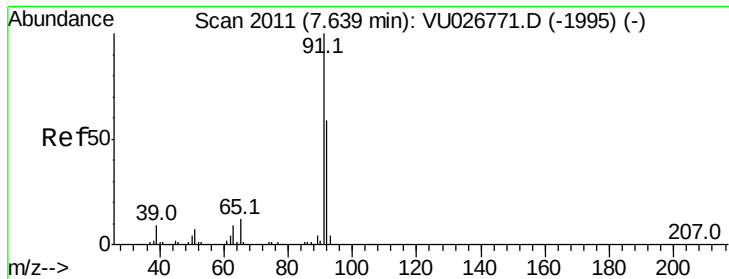


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.171 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

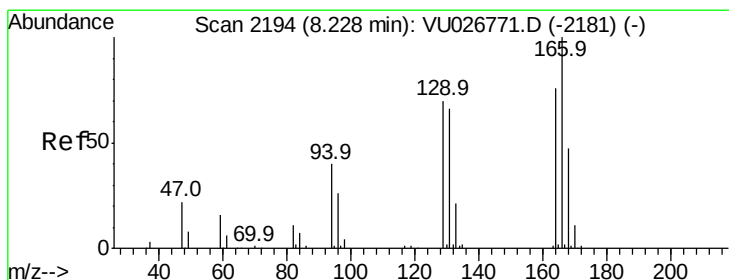
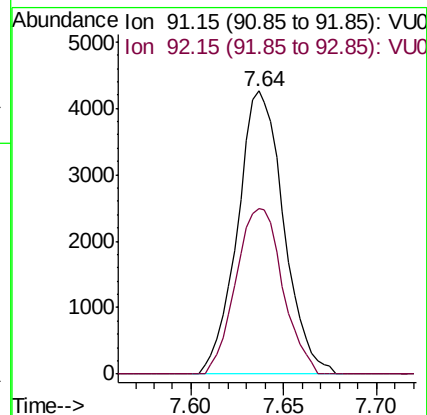
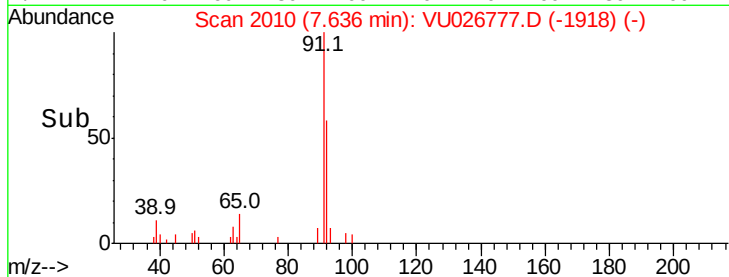
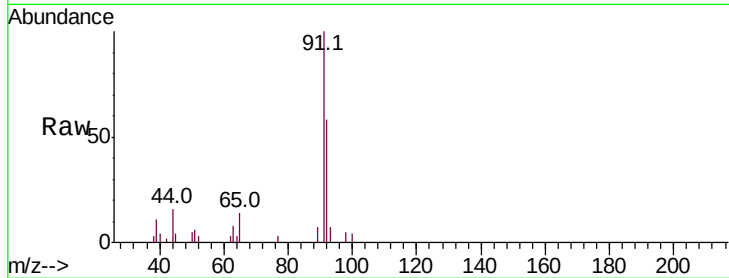
C0D11

Tot Ion: 91 Resp: 7364

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



#47

Tetrachloroethene

Concen: 0.256 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Tgt Ion: 164 Resp: 2421

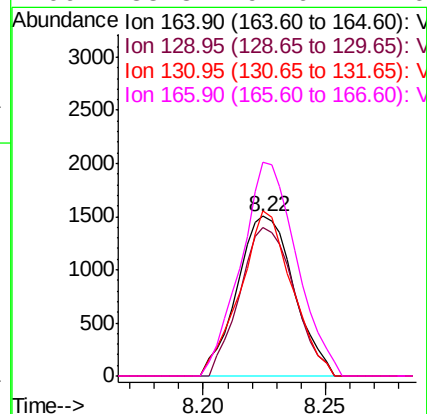
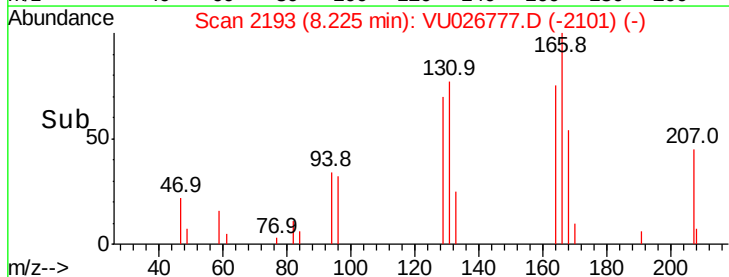
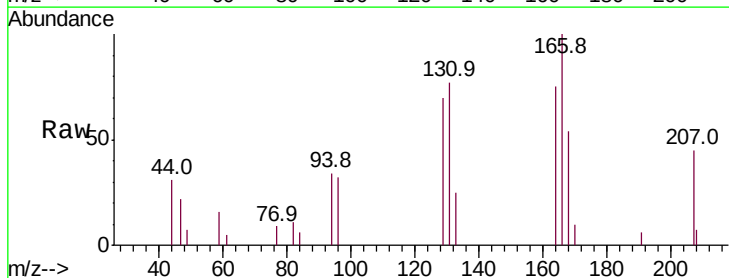
Ion Ratio Lower Upper

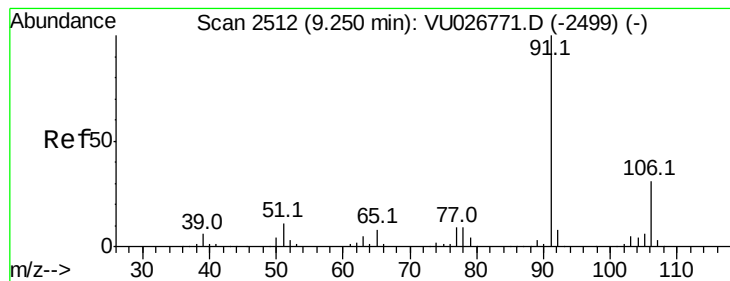
164 100

129 93.3 64.8 120.3

131 103.3 61.4 114.0

166 133.8 92.6 172.0





#52

Ethylbenzene

Concen: 0.230 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

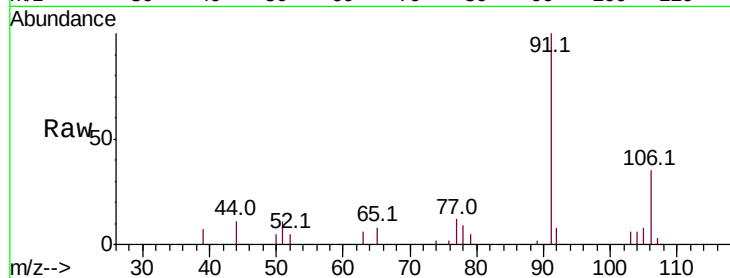
C0D11

Tot Ion: 91 Resp: 9922

Ion Ratio Lower Upper

91 100

106 34.7 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026777.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU026777.D (-2499) (-)

9.25

6000

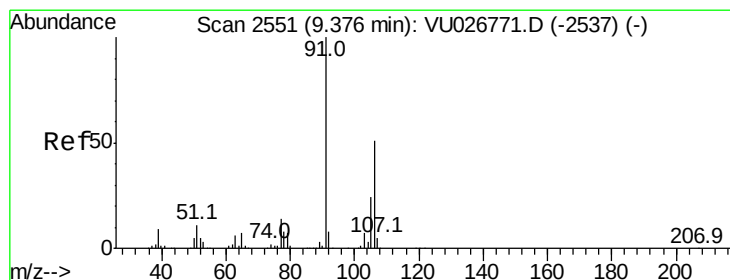
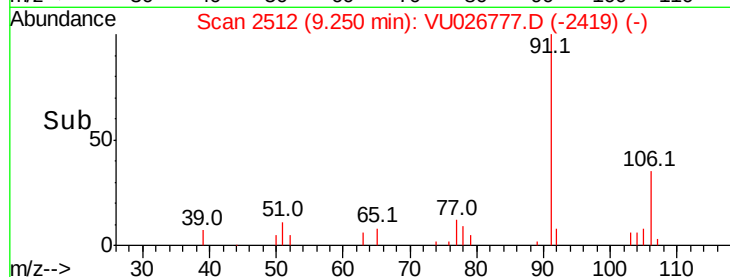
4000

2000

0

Time-->

9.20 9.25 9.30



#53

m,p-xylene

Concen: 0.953 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026777.D

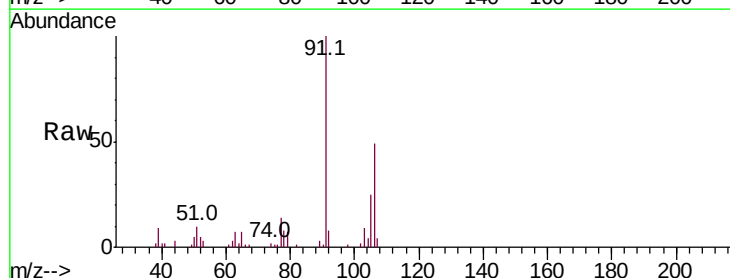
Acq: 15 Sep 2018 14:57

Tgt Ion: 106 Resp: 15750

Ion Ratio Lower Upper

106 100

91 202.4 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026777.D (-2537) (-)

Ion 91.15 (90.85 to 91.85): VU026777.D (-2537) (-)

9.38

20000

15000

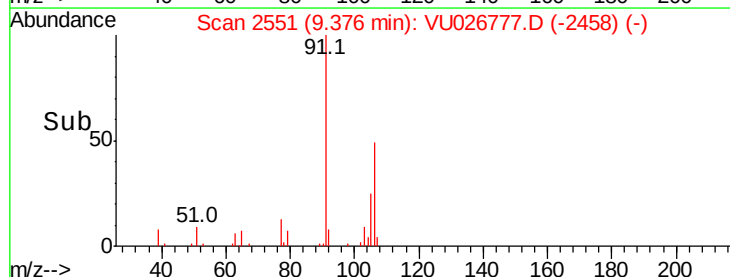
10000

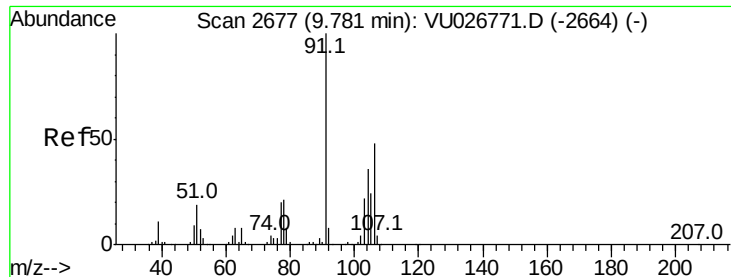
5000

0

Time-->

9.30 9.35 9.40 9.45





#54

o-xylene

Concen: 0.330 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

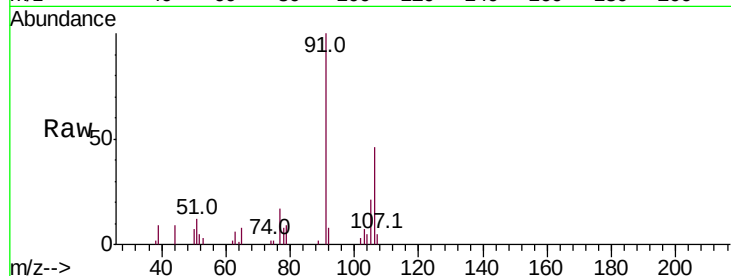
C0D11

Tot Ion:106 Resp: 5219

Ion Ratio Lower Upper

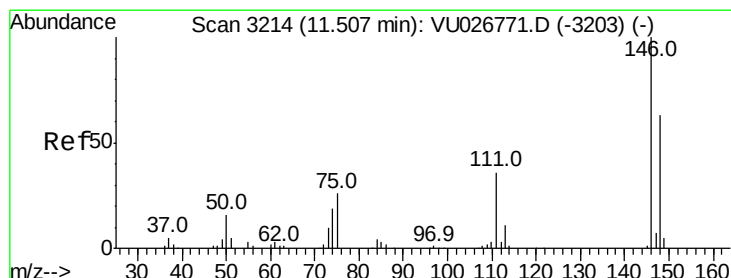
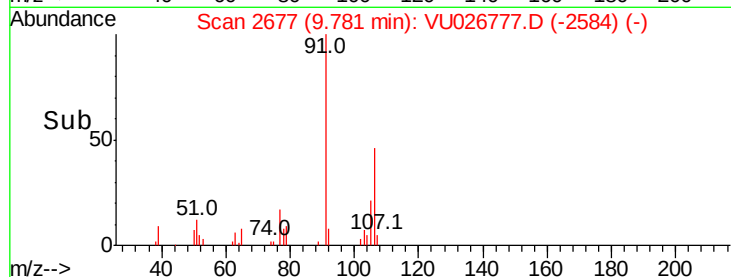
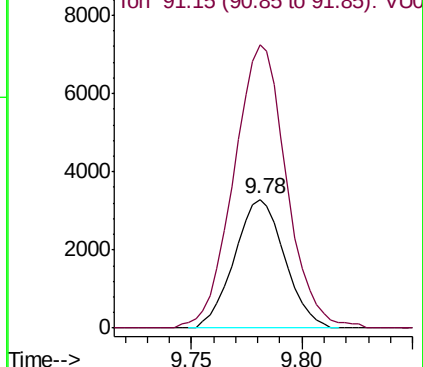
106 100

91 219.7 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#63

1,4-Dichlorobenzene

Concen: 0.128 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026777.D

Acq: 15 Sep 2018 14:57

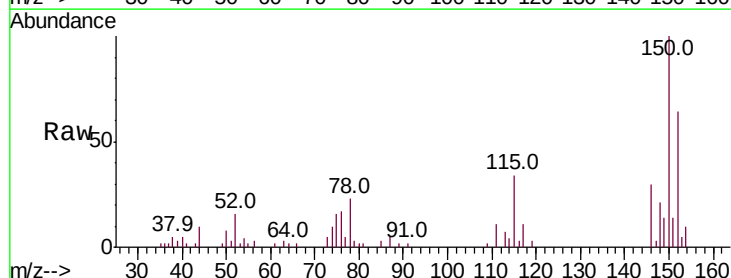
Tgt Ion:146 Resp: 3051

Ion Ratio Lower Upper

146 100

111 38.1 25.3 46.9

148 71.1 44.5 82.7



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

