

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035773.D
 Acq On : 19 Nov 2019 16:30
 Operator : JC/SP
 Sample : K5910-14DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	190426	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	226419	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	76877	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	78451	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	78693	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.60	63	106764	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.70	46	236242	54.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	5.11	84	162230	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.75	65	87260	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.77	84	312058	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.74	67	108196	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	255073	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	8.22	79	37735	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.70	63	163687	45.38	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.76%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94919	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	79039	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	2148	0.128	ug/L #	1
13) Acetone	2.67	43	7480	2.397	ug/L	91
16) Methylene chloride	3.08	84	3637	0.183	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	9660	0.507	ug/L	100
25) Chloroform	5.14	83	7183	0.206	ug/L	93
34) Trichloroethene	6.58	95	187300	9.185	ug/L	95
35) Methylcyclohexane	6.74	83	24376	0.785	ug/L #	18
37) 1,2-Dichloropropane	6.74	63	12225	0.582	ug/L #	88
48) 2-Hexanone	8.75	43	23111	2.694	ug/L #	81
62) 1,3-Dichlorobenzene	11.78	146	2297	0.089	ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	3570	0.143	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	3115	0.128	ug/L #	76
67) 1,3,5-Trichlorobenzene	13.24	180	3005	0.180	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	2334	0.232	ug/L	97
69) Naphthalene	14.11	128	3133	0.253	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.36	180	3040	0.313	ug/L	89

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QLast Update : Wed Nov 20 00:37:27 2019
Response via : Initial Calibration

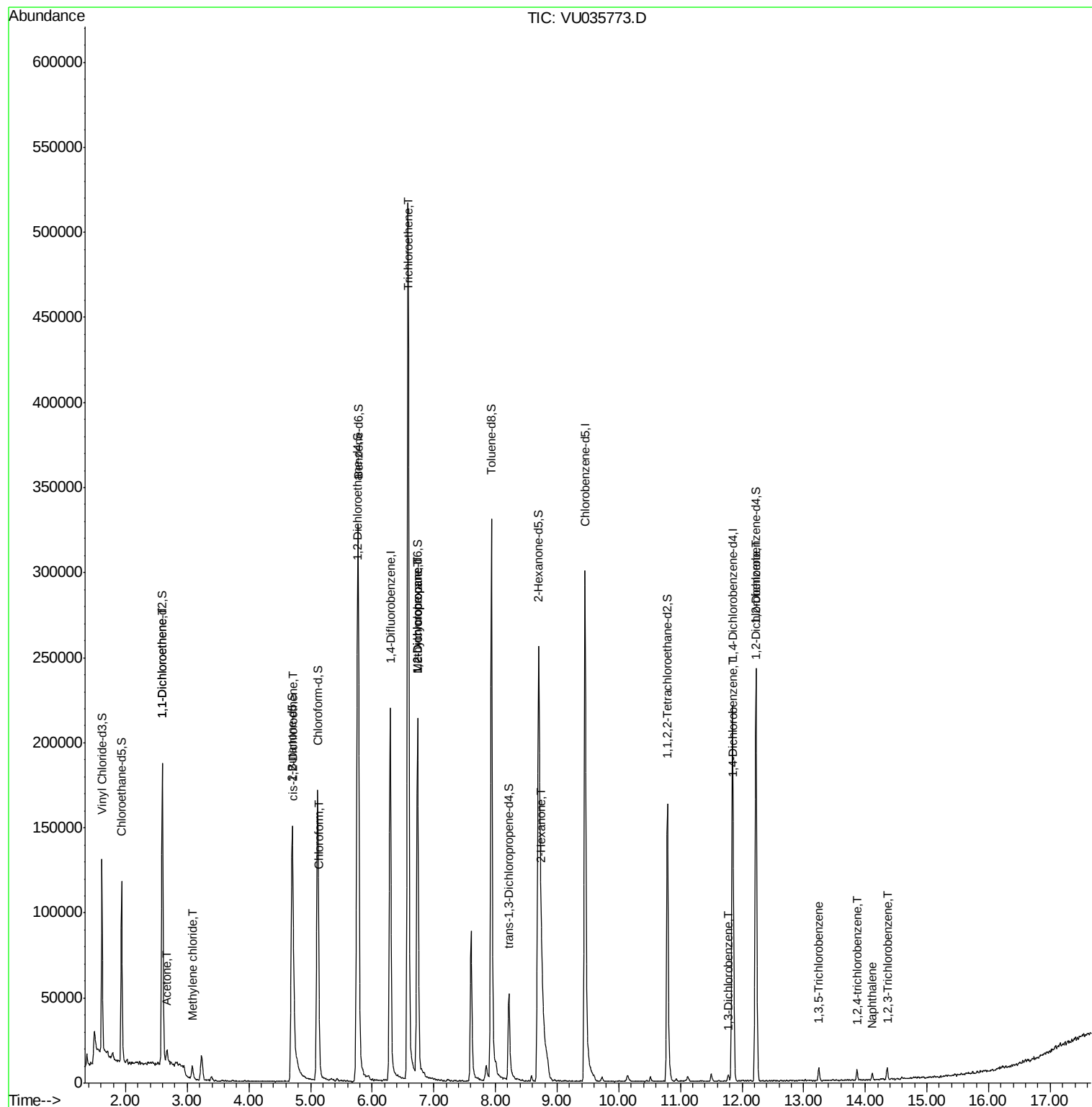
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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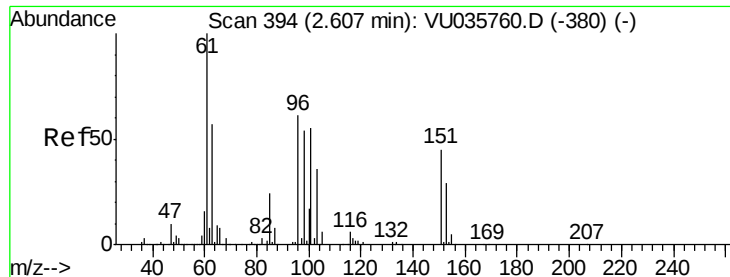
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.128 ug/L

RT: 2.61 min Scan# 394

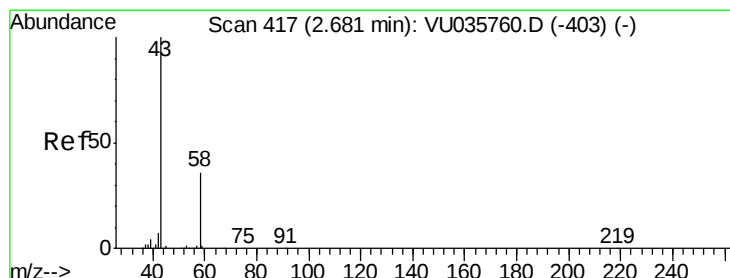
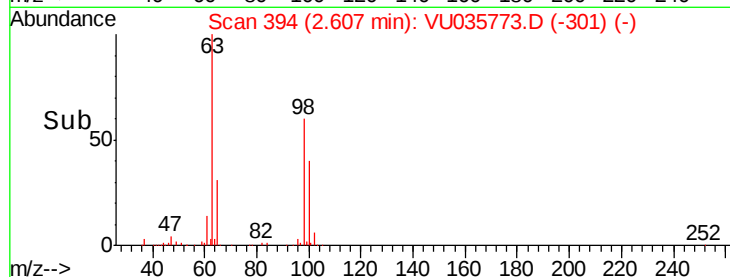
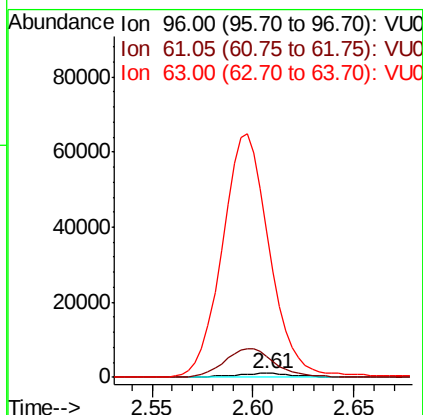
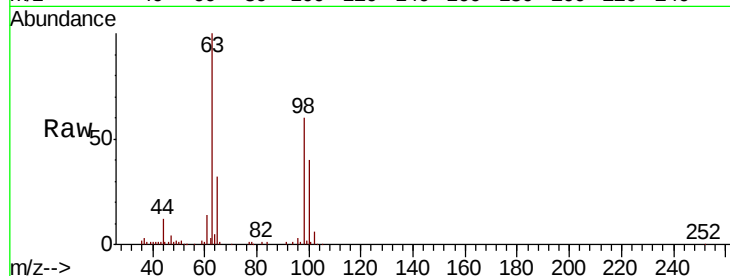
Delta R.T. -0.00 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 2148
Ion Ratio Lower Upper
96 100
61 534.9 123.1 228.5#
63 3784.9 87.8 163.0#



#13

Acetone

Concen: 2.397 ug/L

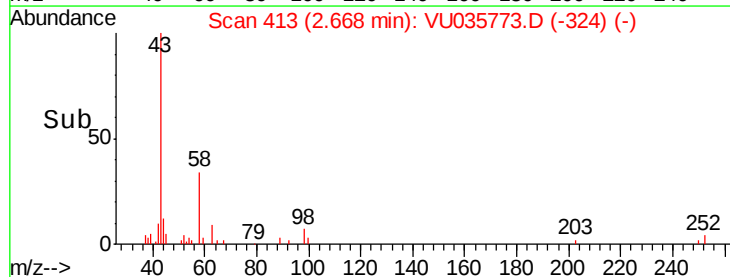
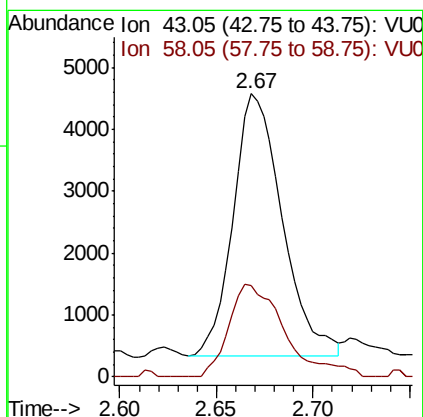
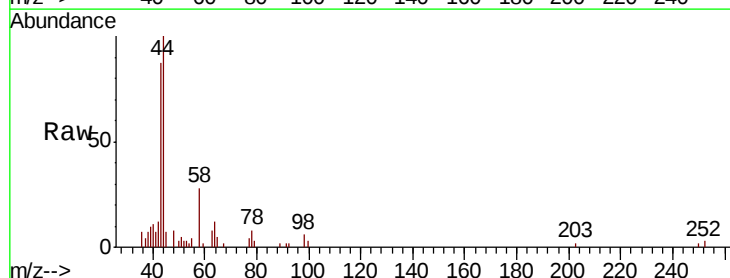
RT: 2.67 min Scan# 413

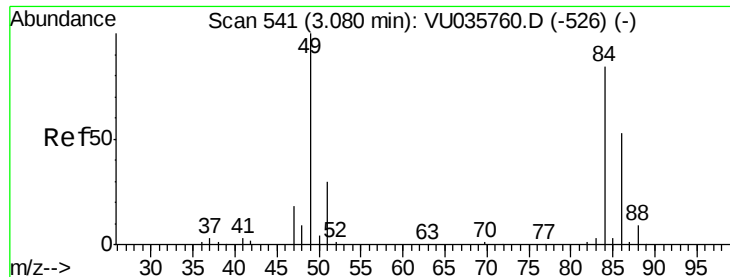
Delta R.T. -0.01 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

Tgt Ion: 43 Resp: 7480
Ion Ratio Lower Upper
43 100
58 40.3 0.0 69.8

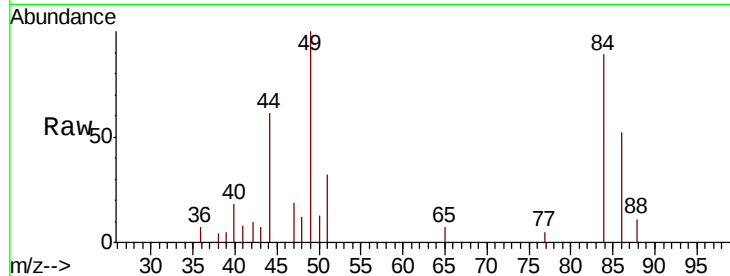




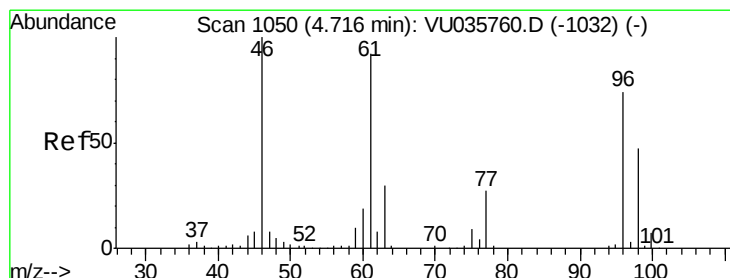
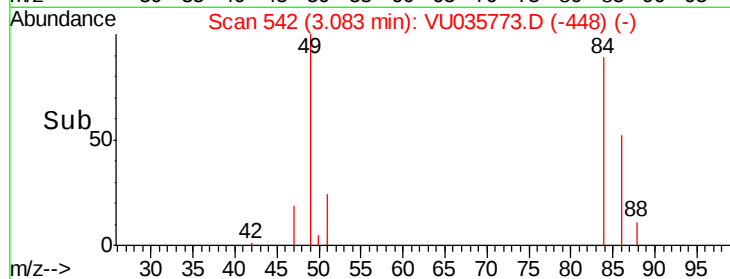
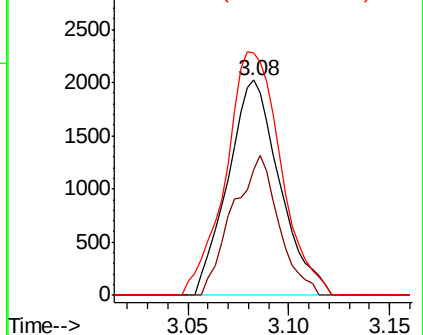
#16
Methylene chloride
Concen: 0.183 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 3637
Ion Ratio Lower Upper
84 100
86 58.8 45.8 85.2
49 112.9 81.9 152.1

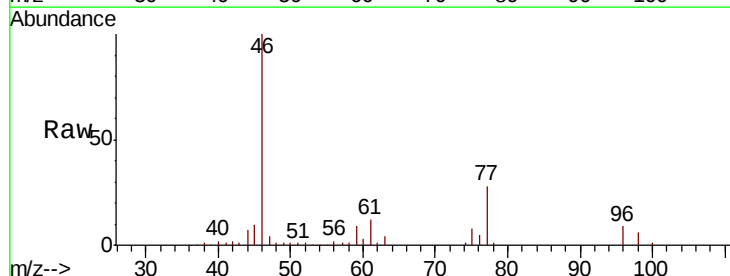


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

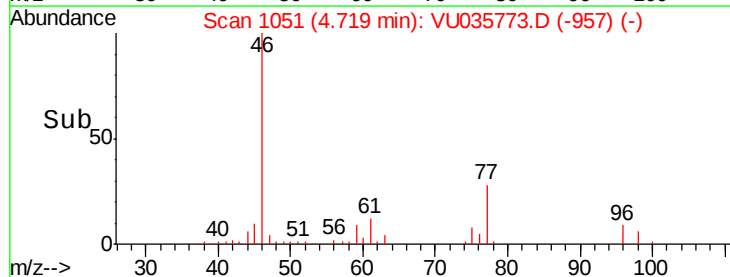
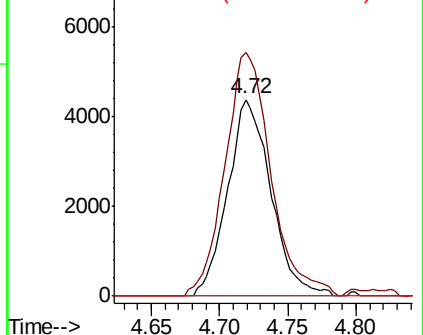


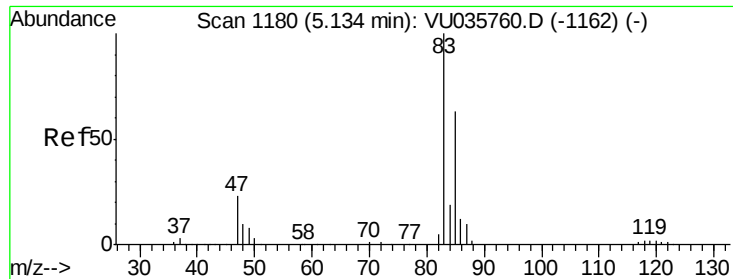
#22
cis-1,2-Dichloroethene
Concen: 0.507 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

Tgt Ion: 96 Resp: 9660
Ion Ratio Lower Upper
96 100
61 123.8 87.0 161.6
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

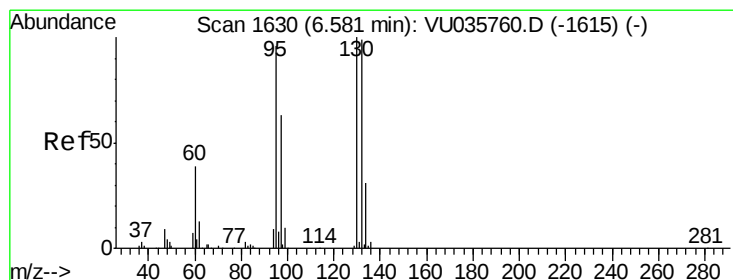
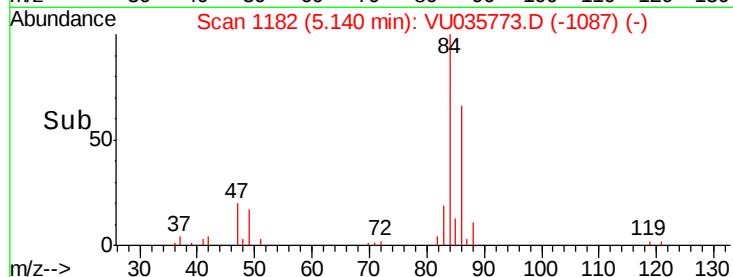
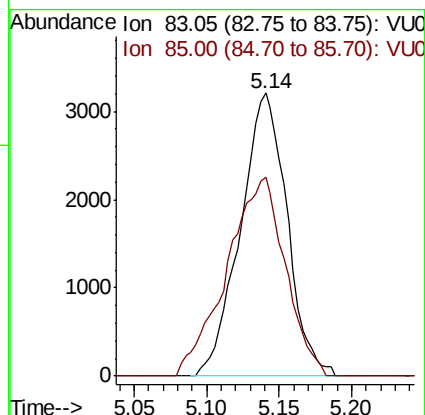
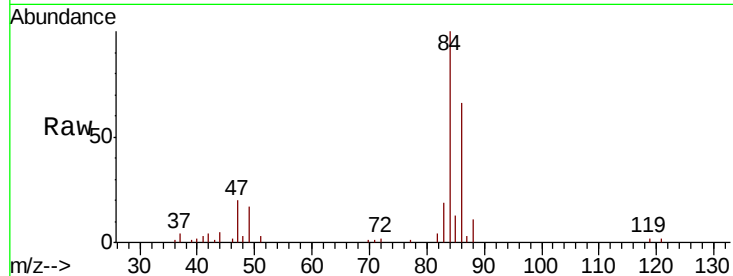




#25
Chloroform
Concen: 0.206 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

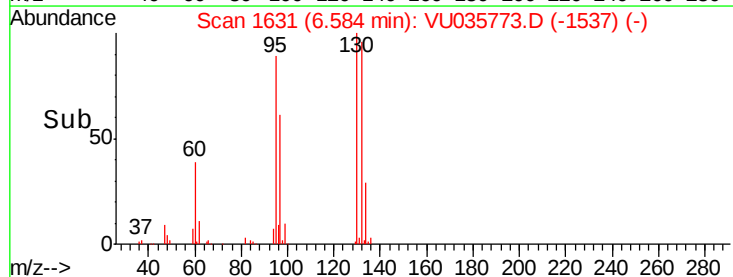
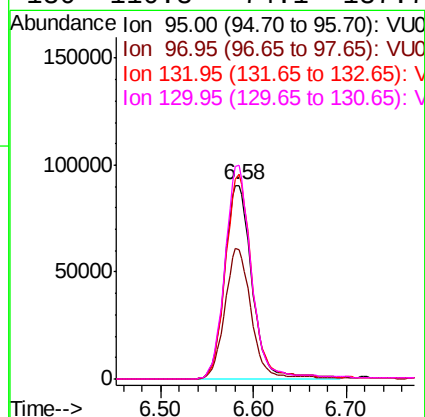
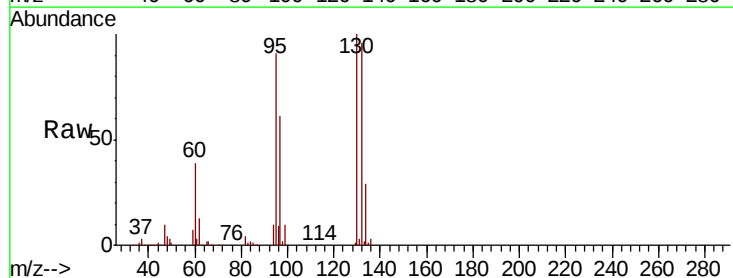
Instrument :
MSVOA_U
ClientSampleId :

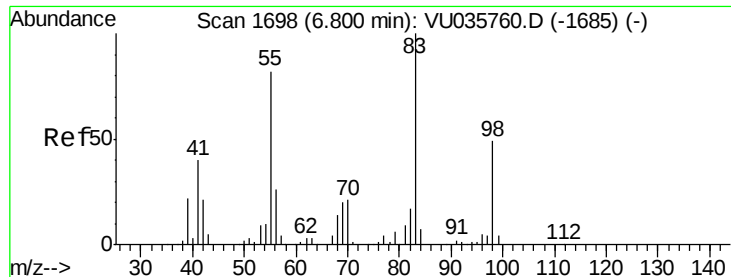
Tot Ion: 83 Resp: 7183
Ion Ratio Lower Upper
83 100
85 70.2 45.4 84.2



#34
Trichloroethene
Concen: 9.185 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

Tgt Ion: 95 Resp: 187300
Ion Ratio Lower Upper
95 100
97 67.0 44.5 82.7
132 105.8 69.9 129.7
130 110.3 74.1 137.7





#35

Methvlcvclohexane

Concen: 0.785 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

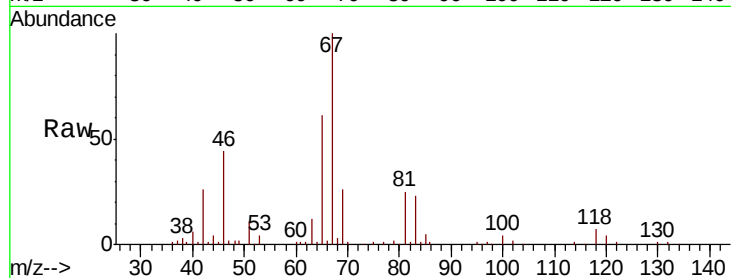
Tot Ion: 83 Resp: 24376

Ion Ratio Lower Upper

83 100

55 0.1 62.6 93.8#

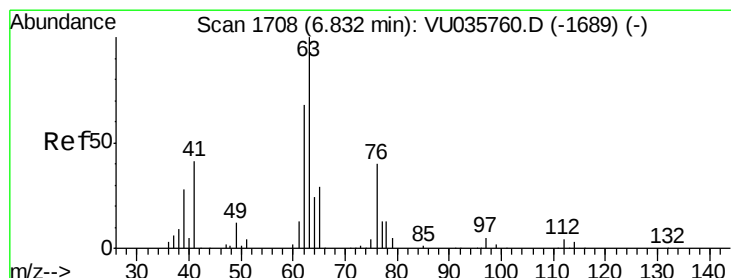
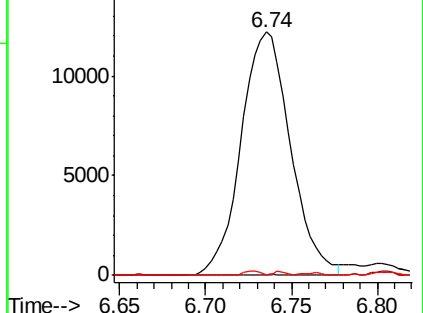
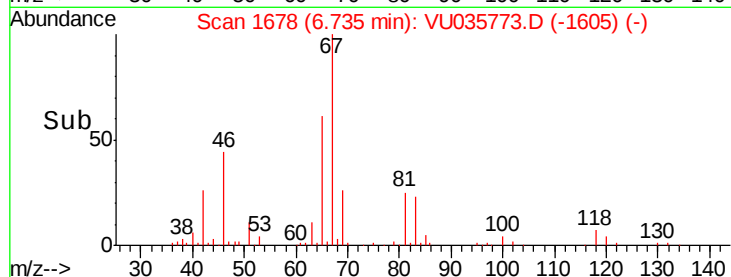
98 0.6 37.2 55.8#



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: 0.582 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035773.D

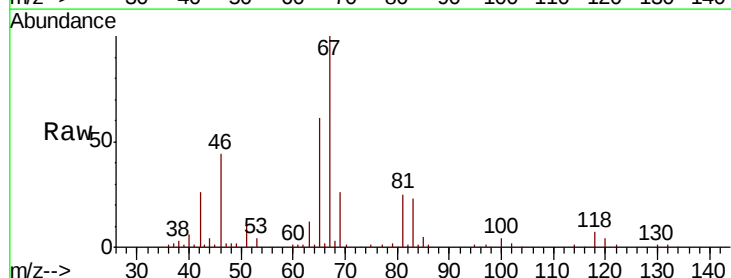
Acq: 19 Nov 2019 16:30

Tgt Ion: 63 Resp: 12225

Ion Ratio Lower Upper

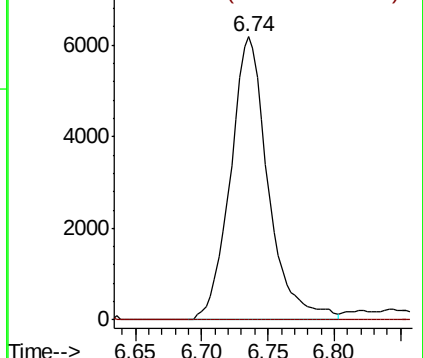
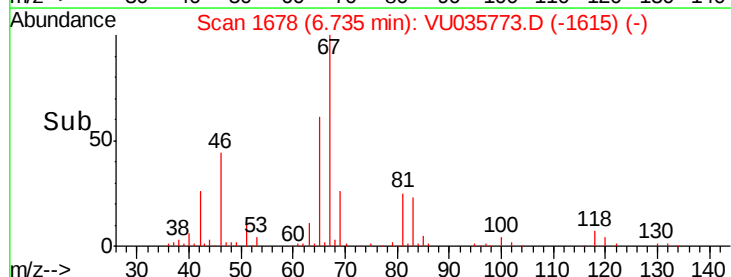
63 100

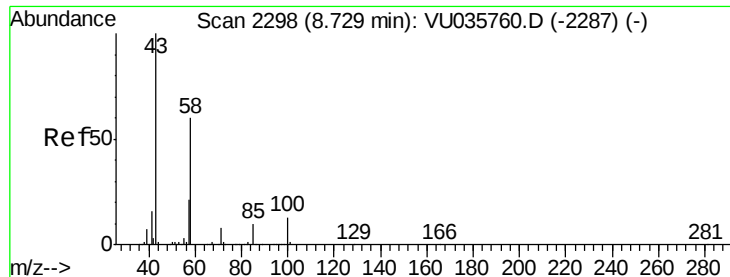
112 0.3 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

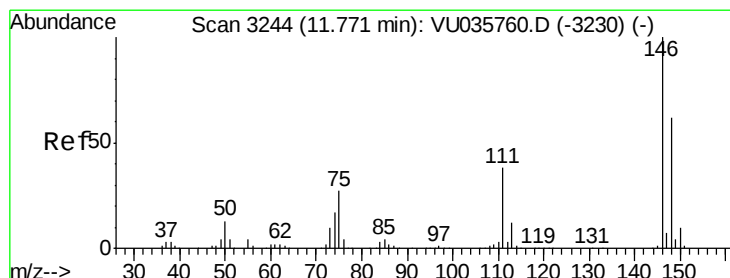
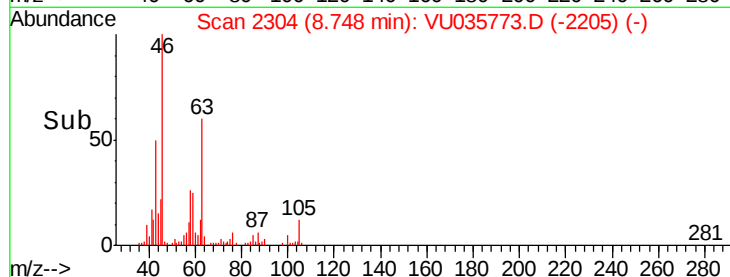
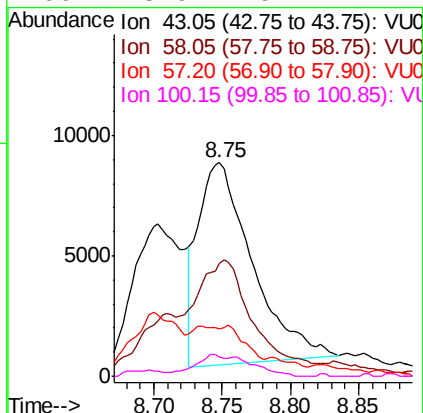
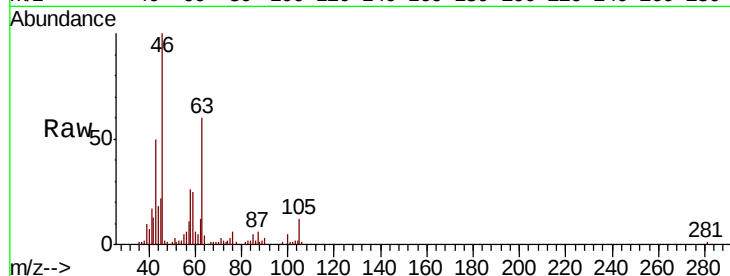




#48
2-Hexanone
Concen: 2.694 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

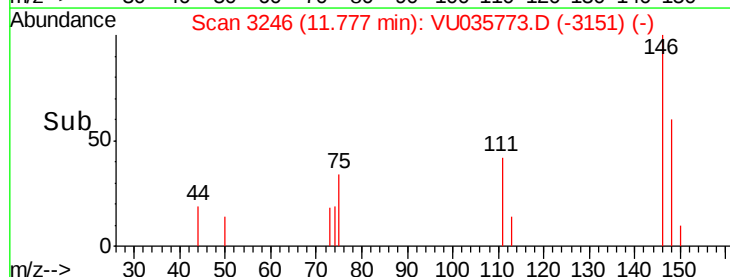
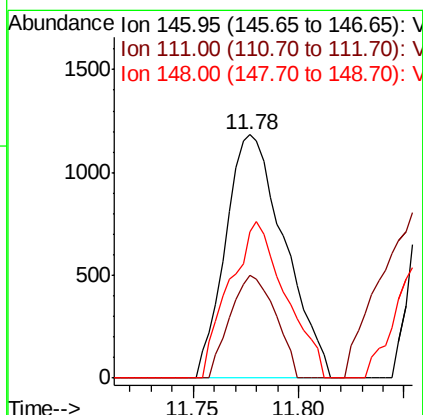
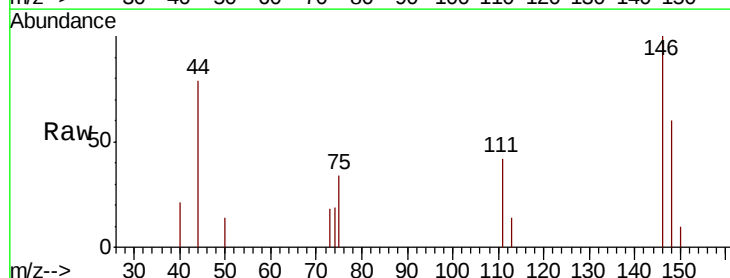
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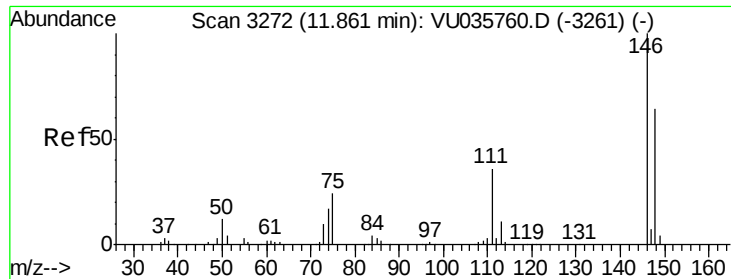
Tot Ion: 43 Resp: 23111
Ion Ratio Lower Upper
43 100
58 64.1 44.1 66.1
57 2.3 15.1 22.7#
100 3.9 9.4 14.2#



#62
1,3-Dichlorobenzene
Concen: 0.089 ug/L
RT: 11.78 min Scan# 3246
Delta R.T. 0.01 min
Lab File: VU035773.D
Acq: 19 Nov 2019 16:30

Tgt Ion: 146 Resp: 2297
Ion Ratio Lower Upper
146 100
111 42.1 26.7 49.5
148 60.0 44.5 82.7





#63

1,4-Dichlorobenzene

Concen: 0.143 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

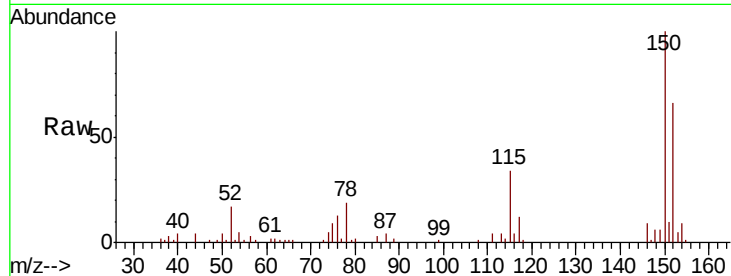
Tot Ion:146 Resp: 3570

Ion Ratio Lower Upper

146 100

111 38.4 25.9 48.1

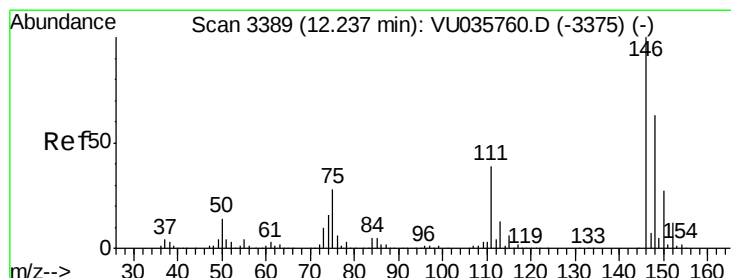
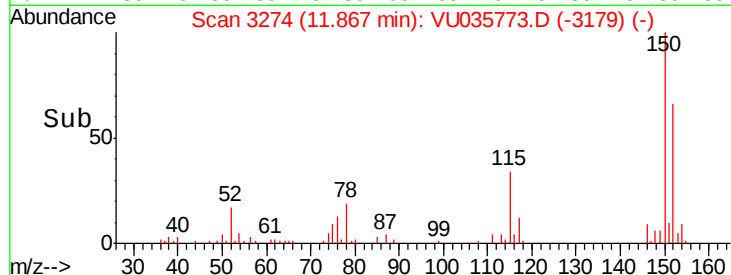
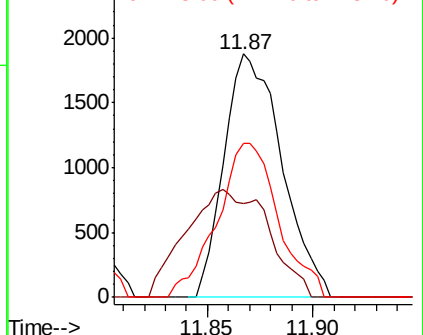
148 63.3 44.1 81.9



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: 0.128 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

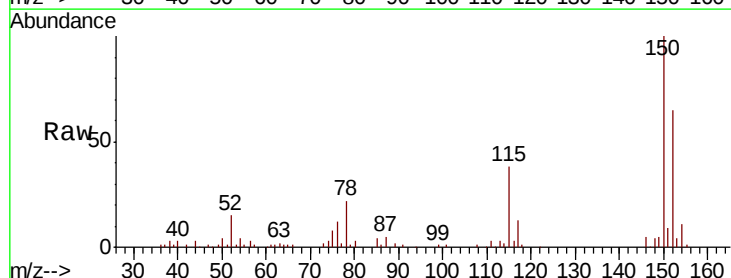
Tgt Ion:146 Resp: 3115

Ion Ratio Lower Upper

146 100

111 61.9 32.2 48.4#

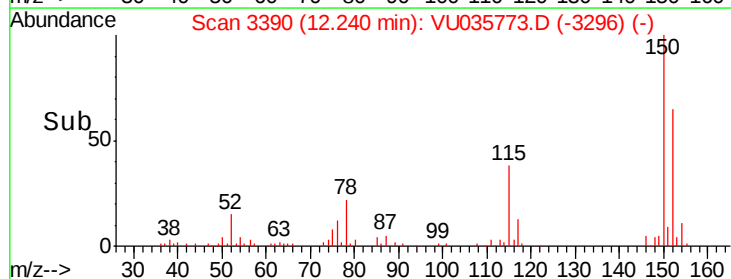
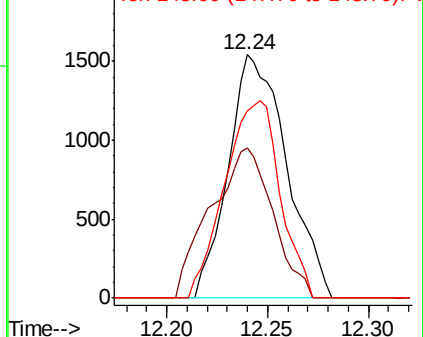
148 77.2 50.7 76.1#

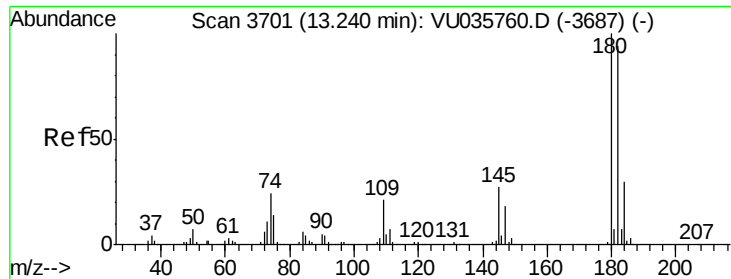


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

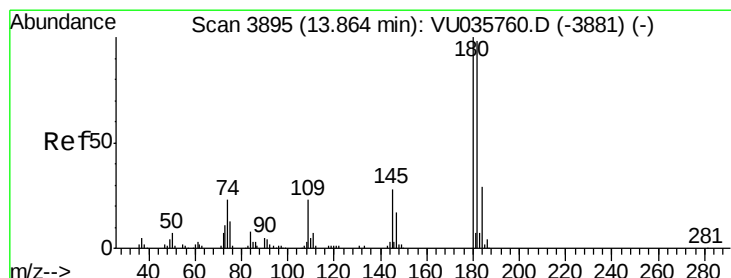
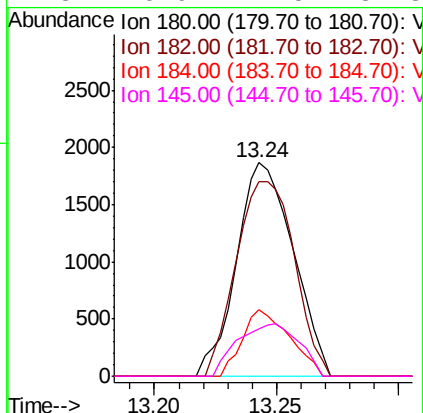
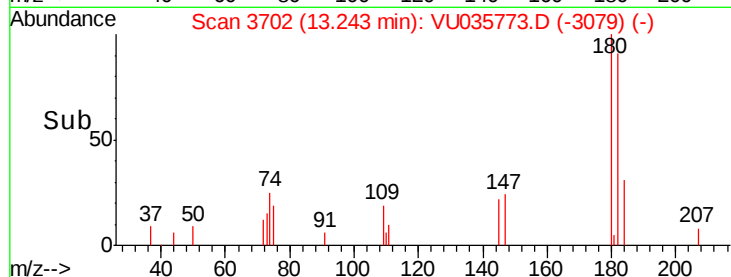
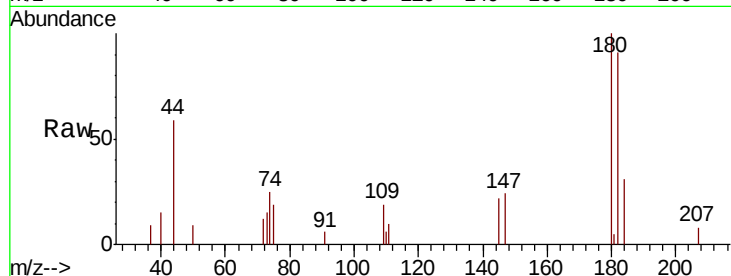




#67
 1,3,5-Trichlorobenzene
 Concen: 0.180 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035773.D
 Acq: 19 Nov 2019 16:30

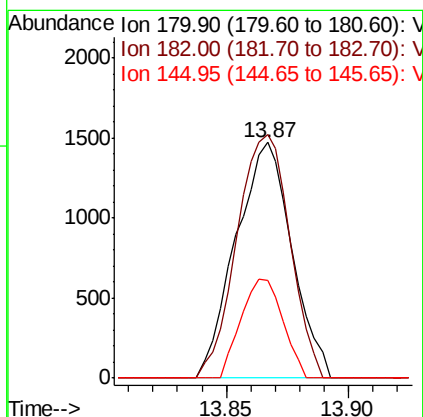
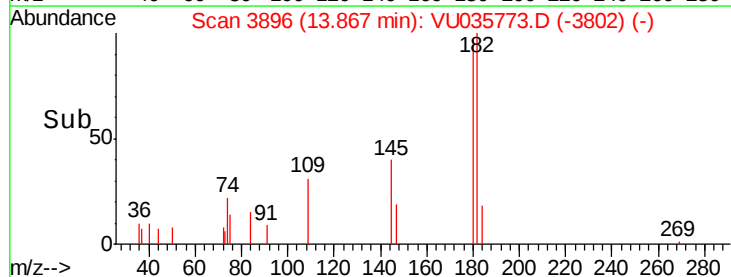
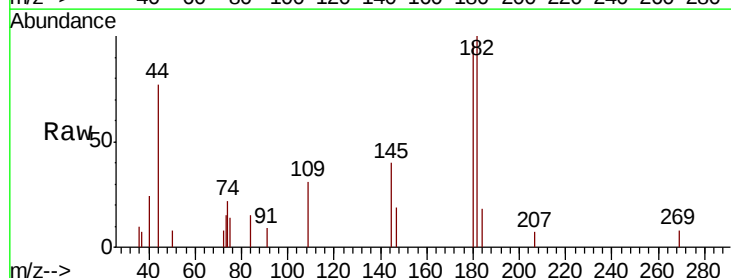
Instrument :
 MSVOA_U
 ClientSampleId :

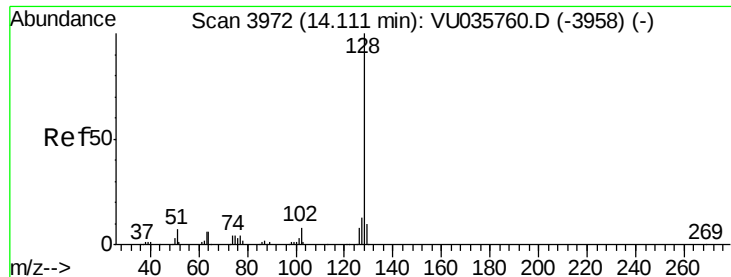
Tot Ion:	180	Resp:	3005
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.9	113.9
184	26.0	24.1	36.1
145	26.9	21.5	32.3



#68
 1,2,4-trichlorobenzene
 Concen: 0.232 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035773.D
 Acq: 19 Nov 2019 16:30

Tgt Ion:	180	Resp:	2334
Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.4	116.2
145	31.4	22.2	33.4





#69

Naphthalene

Concen: 0.253 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

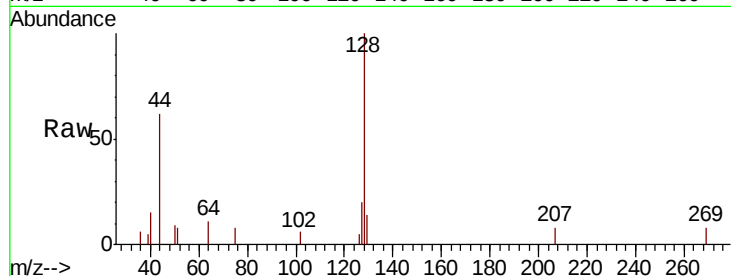
Tot Ion:128 Resp: 3133

Ion Ratio Lower Upper

128 100

129 12.4 8.1 12.1#

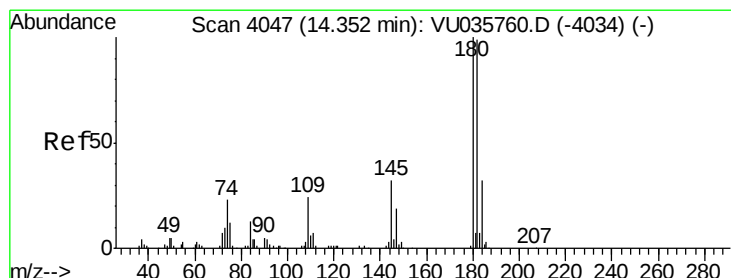
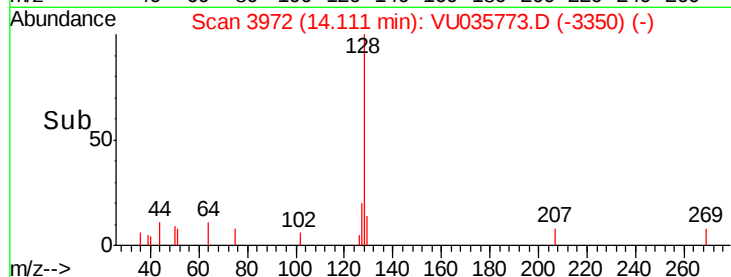
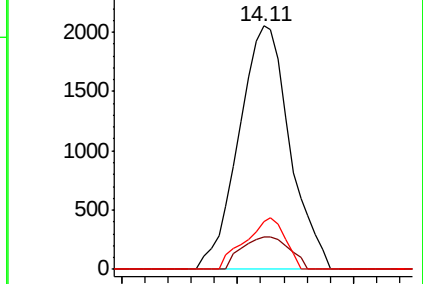
127 16.4 11.0 16.4



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



#70

1,2,3-Trichlorobenzene

Concen: 0.313 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035773.D

Acq: 19 Nov 2019 16:30

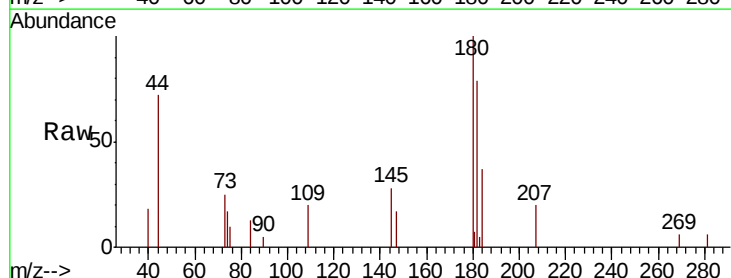
Tgt Ion:180 Resp: 3040

Ion Ratio Lower Upper

180 100

182 82.8 74.8 112.2

145 23.9 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

