

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112219\
 Data File : VU035814.D
 Acq On : 22 Nov 2019 09:14
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:12:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 01:33:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	212788	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	240259	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	134417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	146981	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.93	69	133879	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.59	63	285189	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.40%
20) 2-Butanone-d5	4.70	46	371052	57.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.36%
24) Chloroform-d	5.11	84	267689	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
26) 1,2-Dichloroethane-d4	5.75	65	149276	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	5.77	84	504789	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.73	67	173317	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.93	98	475116	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	8.21	79	65824	5.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.40%
46) 2-Hexanone-d5	8.68	63	272103	56.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	144641	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	149609	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	166623	5.779 ug/L	98
3) Chloromethane	1.54	50	197272	5.557 ug/L	98
5) Vinyl chloride	1.62	62	204746	5.762 ug/L	93
6) Bromomethane	1.87	94	87734	4.804 ug/L	98
8) Chloroethane	1.95	64	121797	5.924 ug/L	100
9) Trichlorofluoromethane	2.16	101	242298	5.872 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	136599	5.828 ug/L	98
12) 1,1-Dichloroethene	2.61	96	125940	5.688 ug/L	95
13) Acetone	2.67	43	313605	55.507 ug/L	98
14) Carbon disulfide	2.82	76	422921	5.751 ug/L	100
15) Methyl Acetate	3.00	43	65709	5.801 ug/L	99
16) Methylene chloride	3.08	84	154898	5.791 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	294820	5.503 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	126933	5.822 ug/L	96
19) 1,1-Dichloroethane	3.92	63	283540	5.789 ug/L	99
21) 2-Butanone	4.78	43	417890	58.452 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	134156	5.522 ug/L	93

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:12:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 01:33:44 2019
 Response via : Initial Calibration

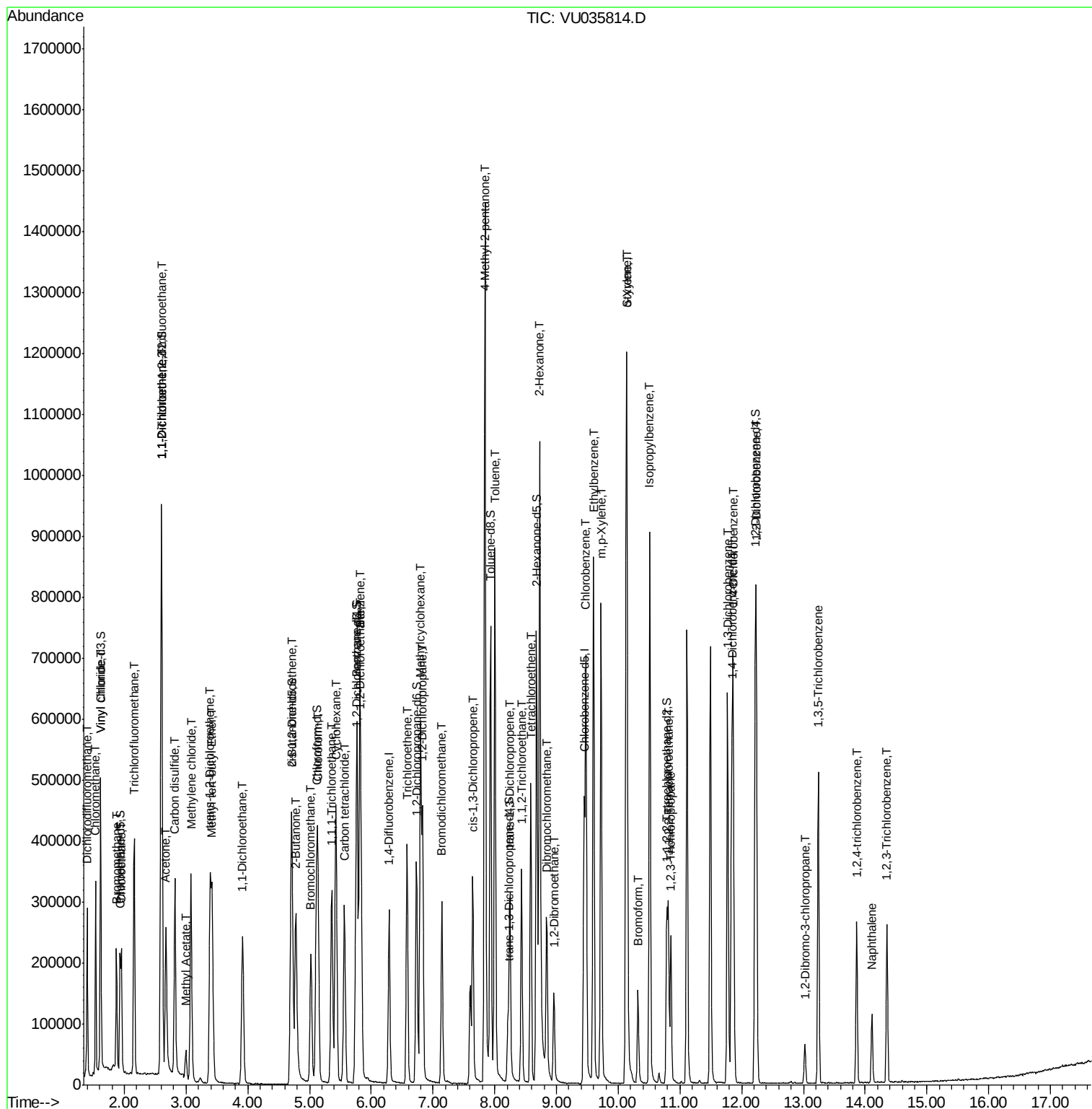
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	63366	5.987	ug/L	99
25) Chloroform	5.14	83	284846	5.976	ug/L	98
27) 1,2-Dichloroethane	5.84	62	183739	5.861	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	223810	5.769	ug/L	99
30) Cyclohexane	5.43	56	198640	5.239	ug/L	99
31) Carbon tetrachloride	5.57	117	195252	5.812	ug/L	98
33) Benzene	5.82	78	584195	5.825	ug/L	100
34) Trichloroethene	6.58	95	138751	5.643	ug/L	97
35) Methylcyclohexane	6.80	83	189868	5.262	ug/L	98
37) 1,2-Dichloropropane	6.83	63	164859	5.796	ug/L	99
38) Bromodichloromethane	7.14	83	194543	5.706	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	199836	5.427	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	982975	56.290	ug/L	98
42) Toluene	8.00	91	621372	5.956	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	177200	5.804	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	105291	5.681	ug/L	98
47) Tetrachloroethene	8.58	164	105075	5.616	ug/L	98
48) 2-Hexanone	8.73	43	710458	55.260	ug/L	98
49) Dibromochloromethane	8.84	129	128132	5.860	ug/L	97
50) 1,2-Dibromoethane	8.96	107	97899	5.772	ug/L	96
51) Chlorobenzene	9.48	112	354435	5.485	ug/L	97
52) Ethylbenzene	9.60	91	576905	5.348	ug/L	98
53) m,p-Xylene	9.72	106	212000	5.574	ug/L	100
54) o-Xylene	10.13	106	203683	5.514	ug/L	94
55) Styrene	10.14	104	360108	5.878	ug/L	98
56) Isopropylbenzene	10.51	105	542224	5.557	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	145111	5.658	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	105342	5.697	ug/L	99
61) Bromoform	10.32	173	68952	5.106	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	261321	5.417	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	251231	5.289	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	246099	5.347	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	18846	4.948	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	157099	5.419	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	78396	4.705	ug/L	99
69) Naphthalene	14.11	128	84982	3.622	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	77631	4.791	ug/L	96

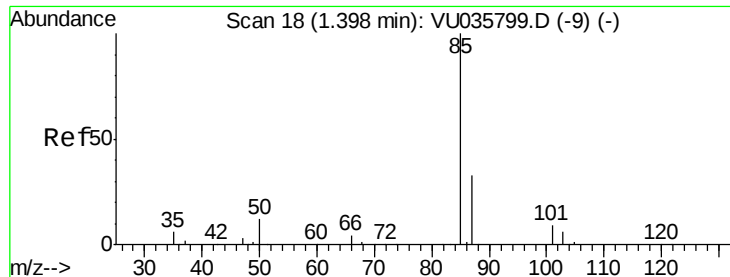
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :

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QLast Update : Fri Nov 22 01:33:44 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.779 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

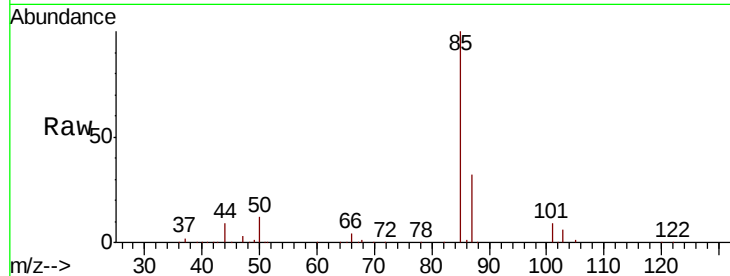
Instrument :
MSVOA_U
ClientSampleId :

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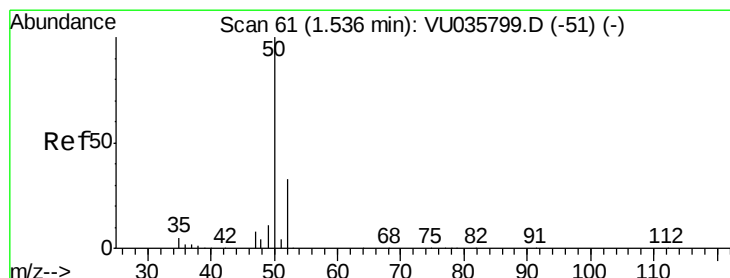
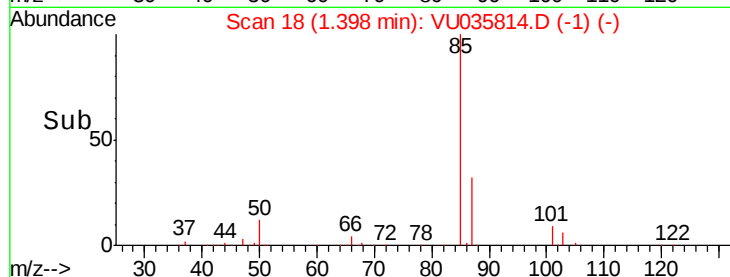
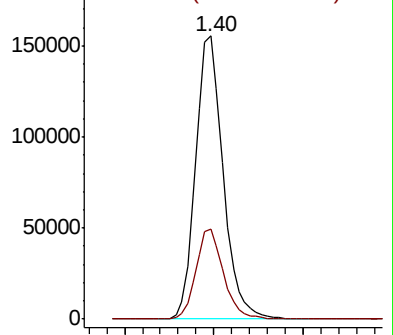
Ion Ratio Lower Upper

85 100

87 31.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035799.D (-9) (-)



#3

Chloromethane

Concen: 5.557 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035814.D

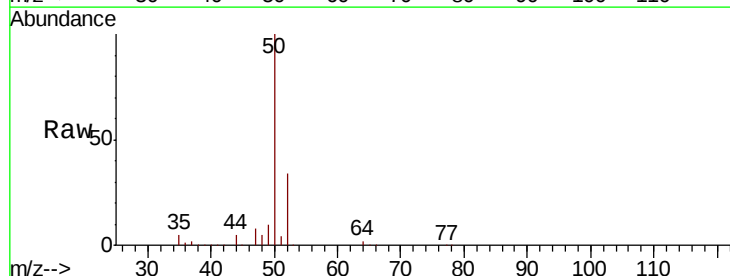
Acq: 22 Nov 2019 09:14

Tgt Ion: 50 Resp: 197272

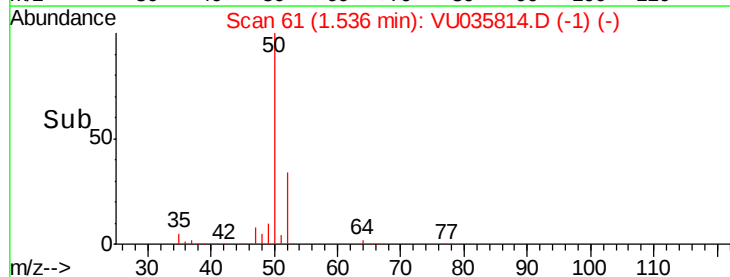
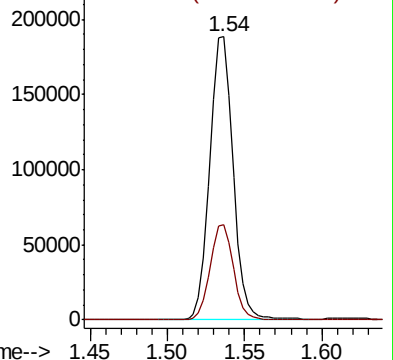
Ion Ratio Lower Upper

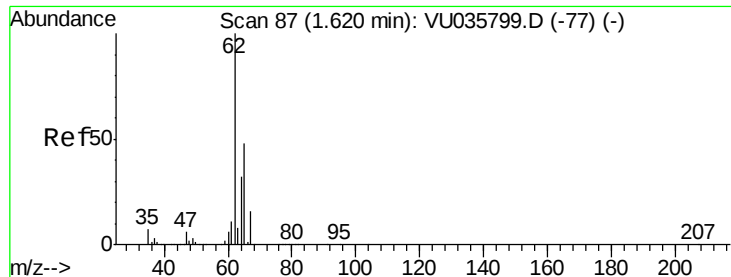
50 100

52 33.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035799.D (-51) (-)





#5

Vinyl chloride

Concen: 5.762 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

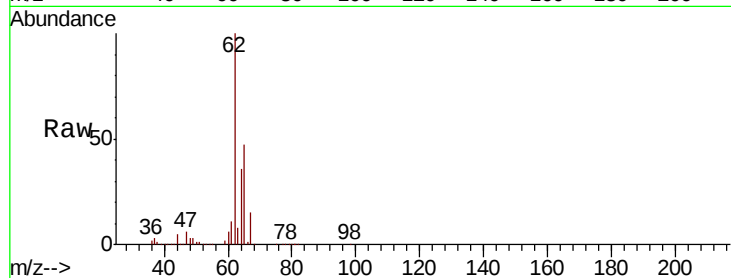
ClientSampleId :

Tot Ion: 62 Resp: 204746

Ion Ratio Lower Upper

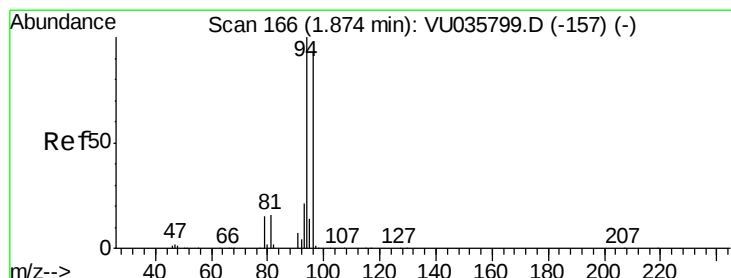
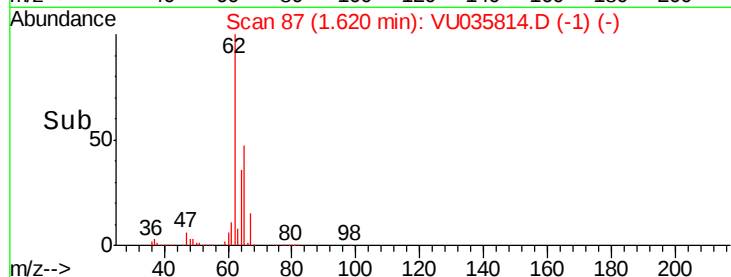
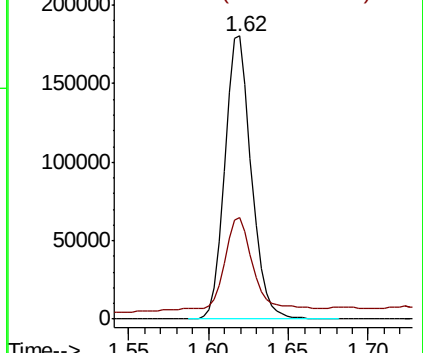
62 100

64 35.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035799.D (-77) (-)



#6

Bromomethane

Concen: 4.804 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035814.D

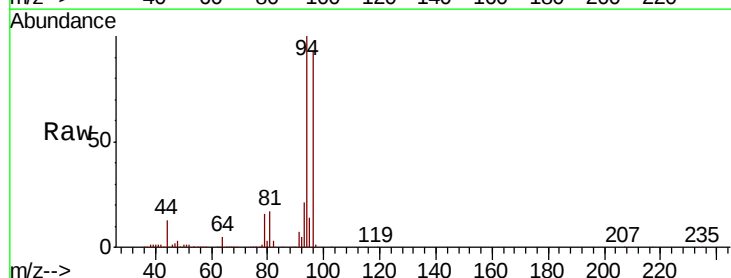
Acq: 22 Nov 2019 09:14

Tgt Ion: 94 Resp: 87734

Ion Ratio Lower Upper

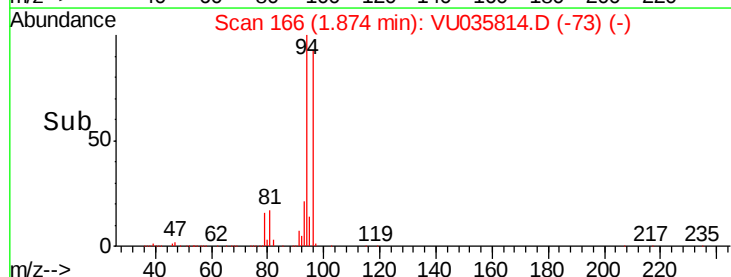
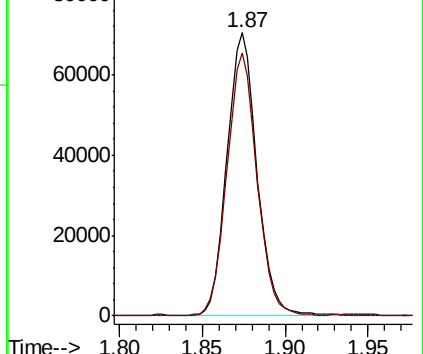
94 100

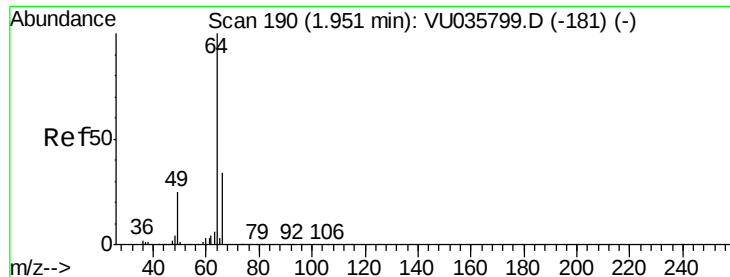
96 92.8 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035799.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035799.D (-157) (-)

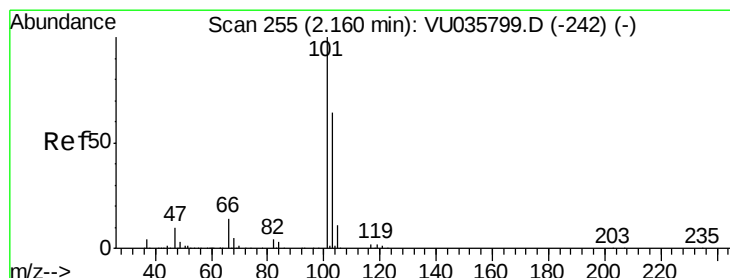
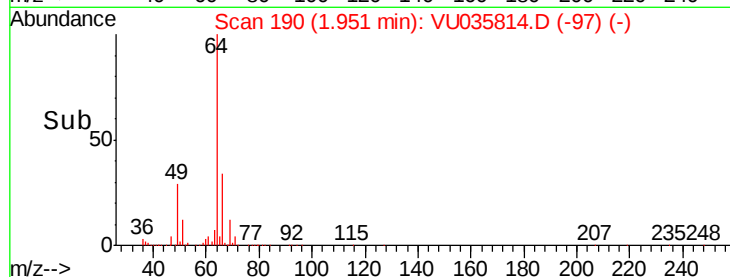
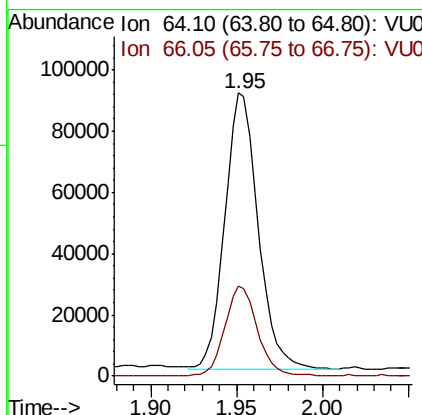
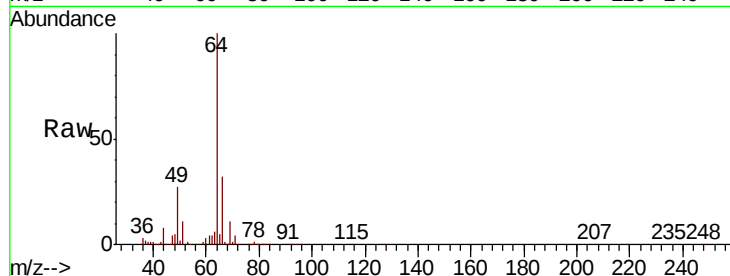




#8
Chloroethane
Concen: 5.924 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

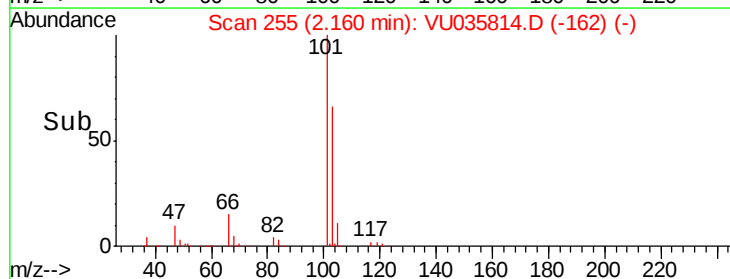
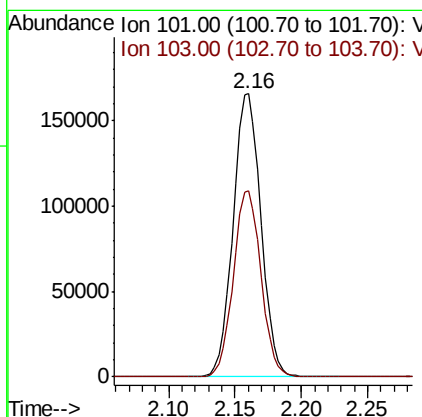
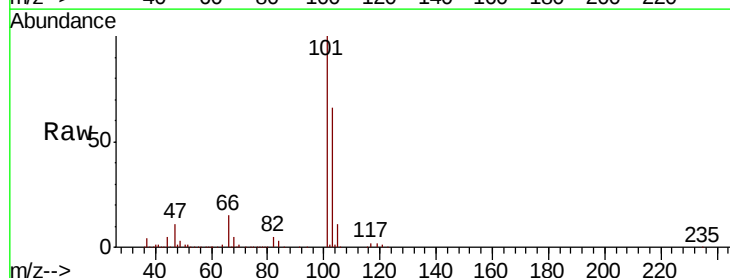
Instrument :
MSVOA_U
ClientSampleId :

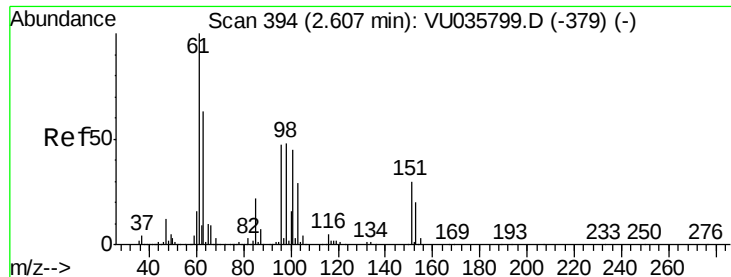
Tot Ion: 64 Resp: 121797
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.872 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion: 101 Resp: 242298
Ion Ratio Lower Upper
101 100
103 65.2 49.8 74.6





#10

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

Concen: 5.828 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampled :

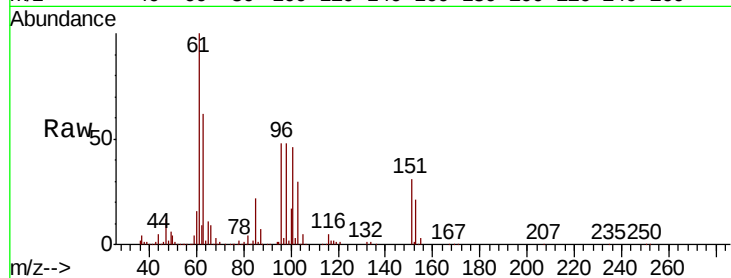
Tot Ion:101 Resp: 136599

Ion Ratio Lower Upper

101 100

85 48.0 38.1 57.1

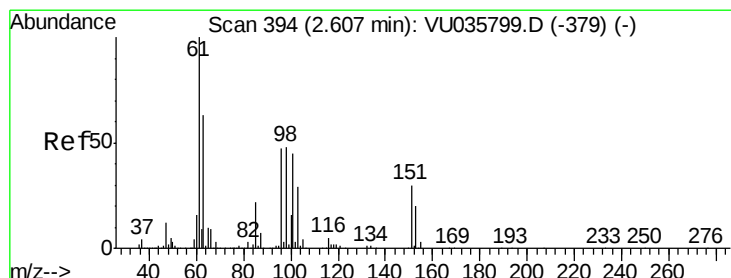
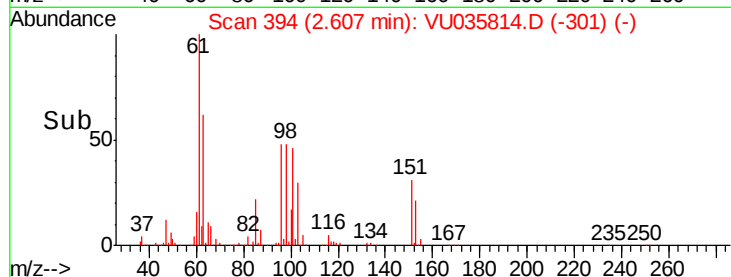
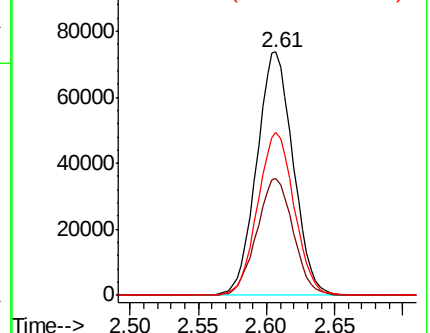
151 67.0 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.688 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

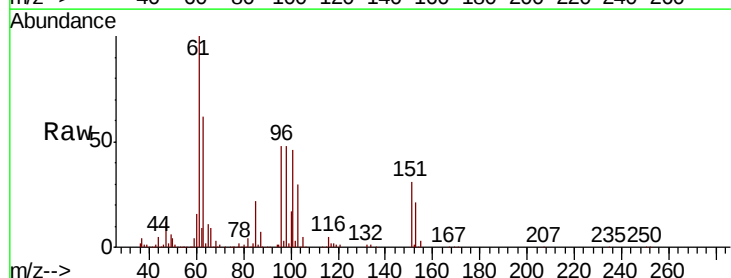
Tgt Ion: 96 Resp: 125940

Ion Ratio Lower Upper

96 100

61 208.0 139.3 258.7

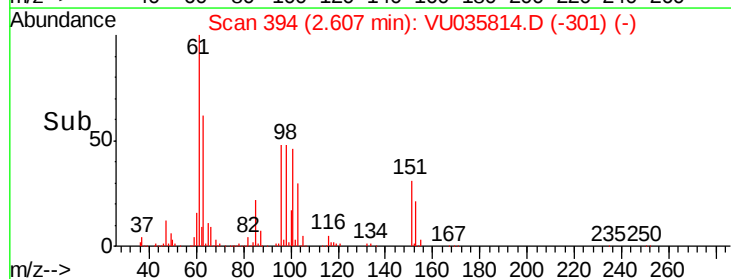
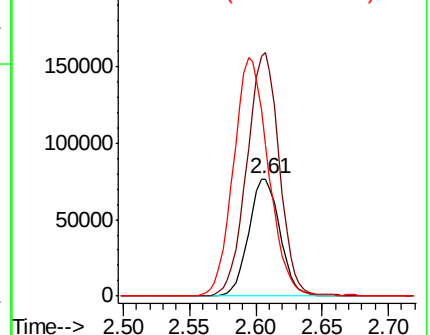
63 129.3 93.7 174.1

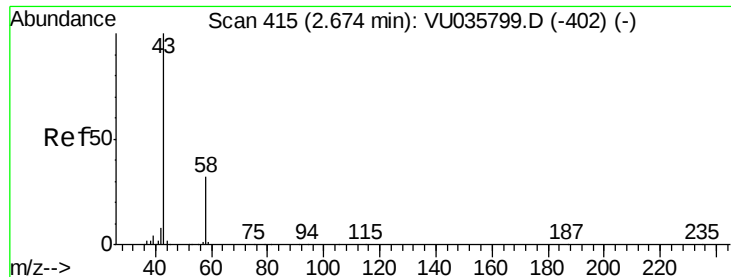


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.507 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

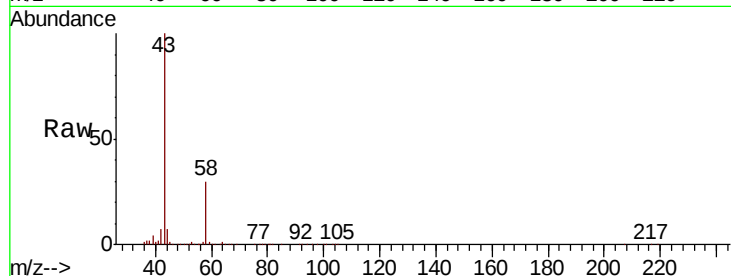
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 313605

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)

2.67

150000

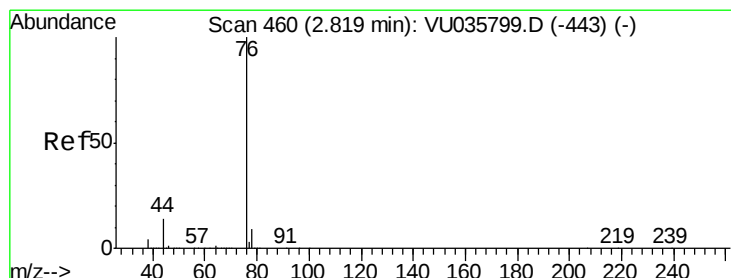
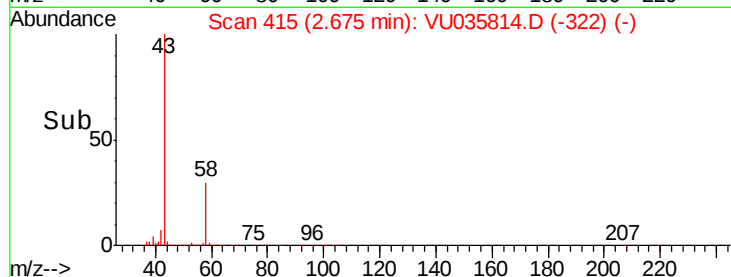
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 5.751 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035814.D

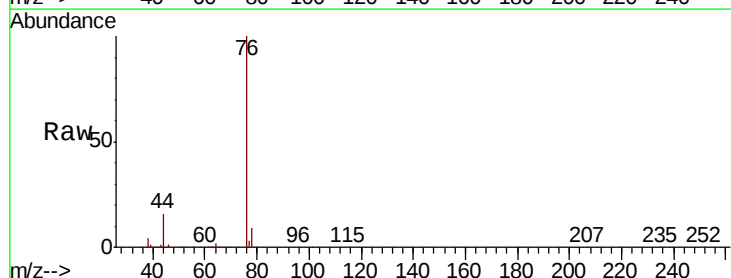
Acq: 22 Nov 2019 09:14

Tgt Ion: 76 Resp: 422921

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035799.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035799.D (-443) (-)

2.82

250000

200000

150000

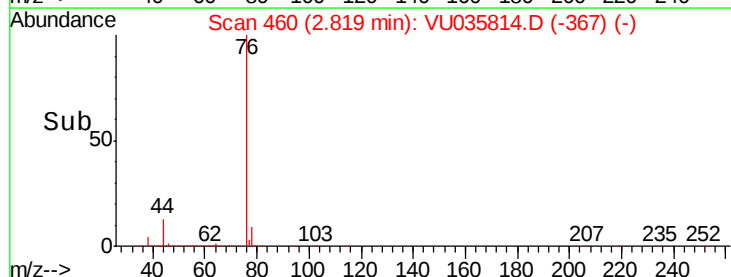
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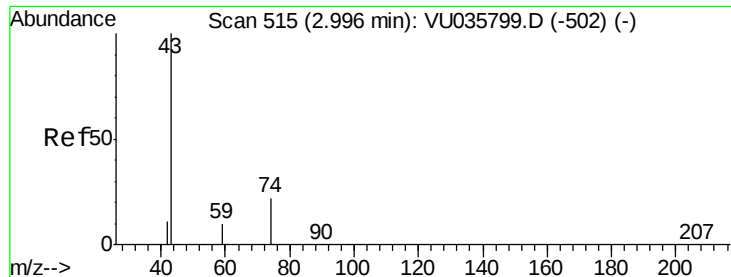
50000

0

2.70 2.80 2.90

Time-->

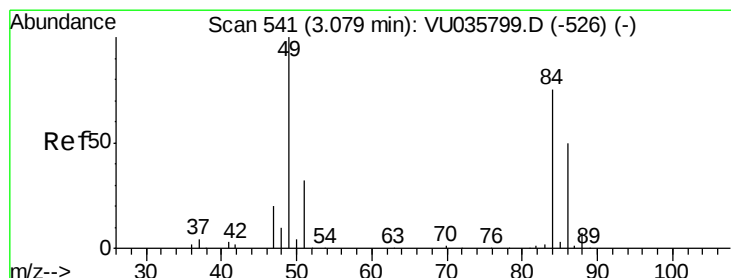
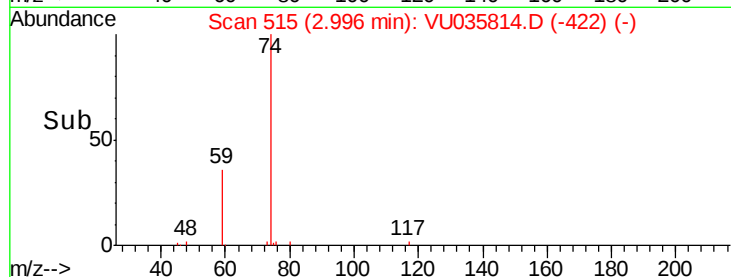
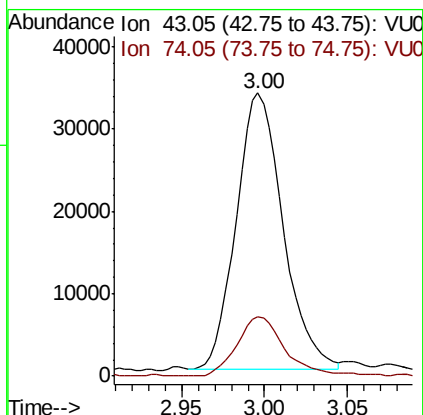
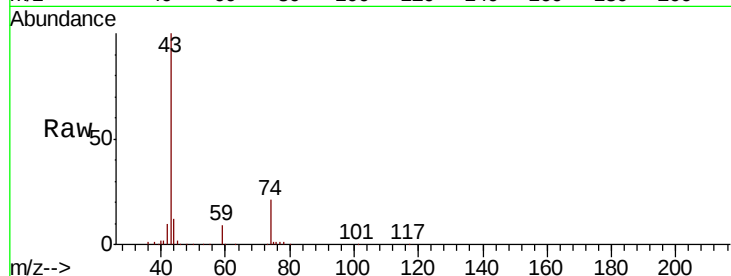




#15
Methvl Acetate
Concen: 5.801 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

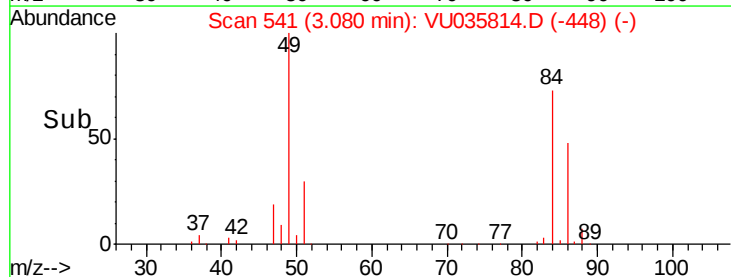
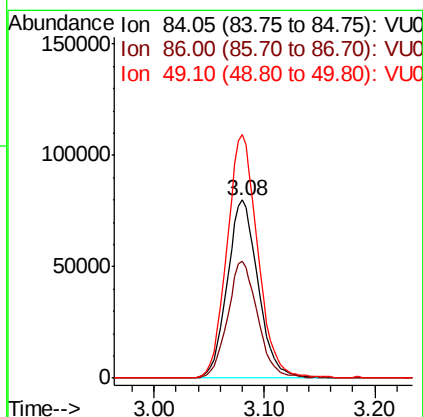
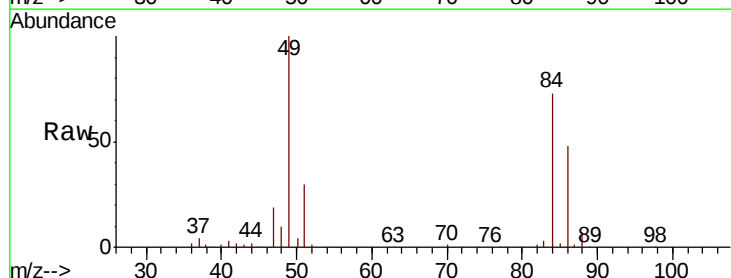
Instrument :
MSVOA_U
ClientSampleId :

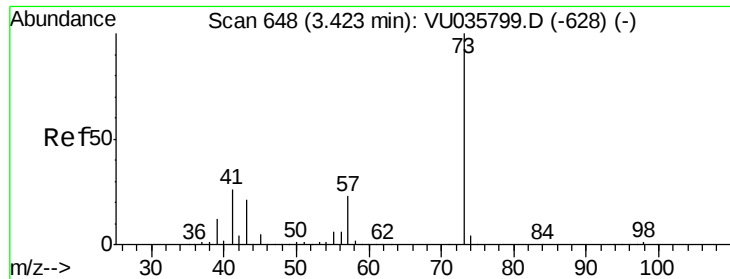
Tot Ion: 43 Resp: 65709
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.4



#16
Methylene chloride
Concen: 5.791 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion: 84 Resp: 154898
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.5
49 136.9 94.0 174.6

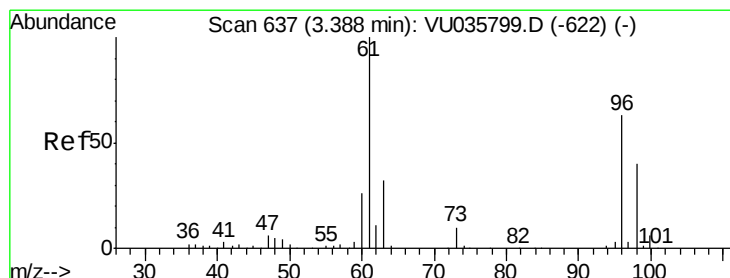
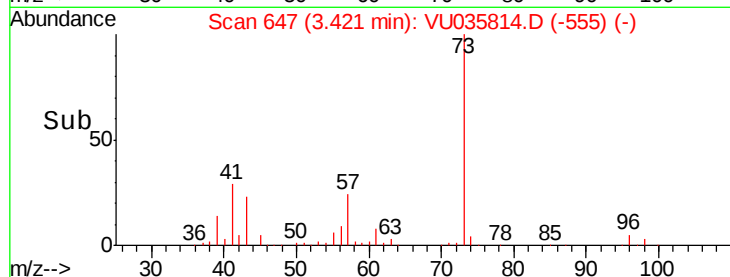
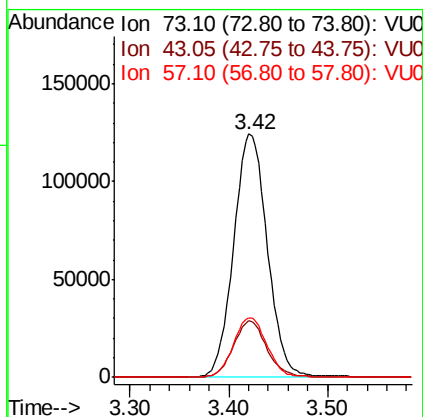
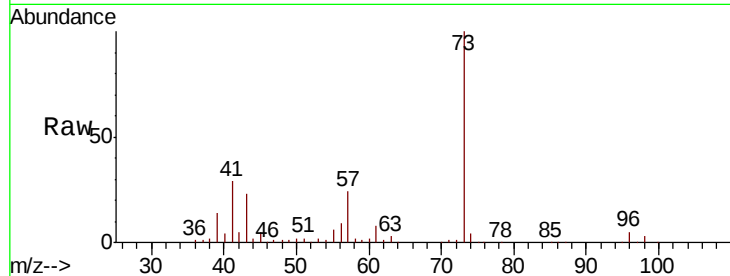




#17
Methvl tert-butvl Ether
Concen: 5.503 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

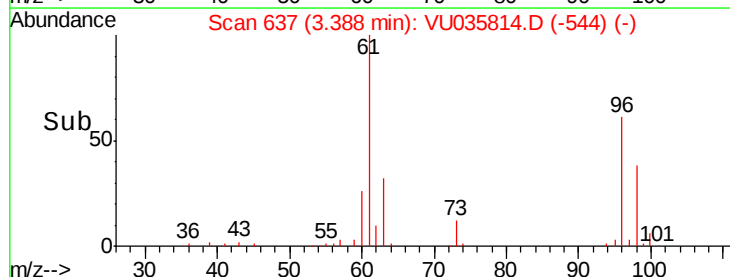
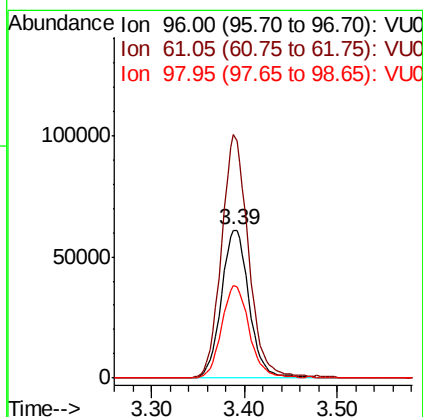
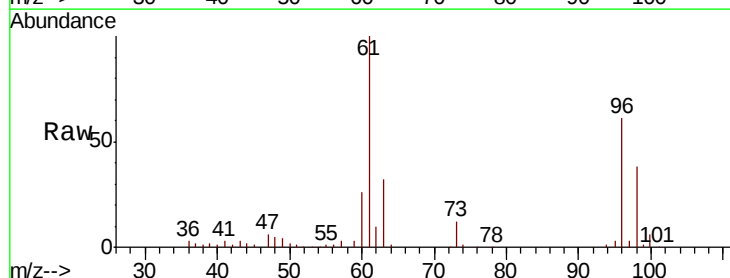
Instrument :
MSVOA_U
ClientSampleId :

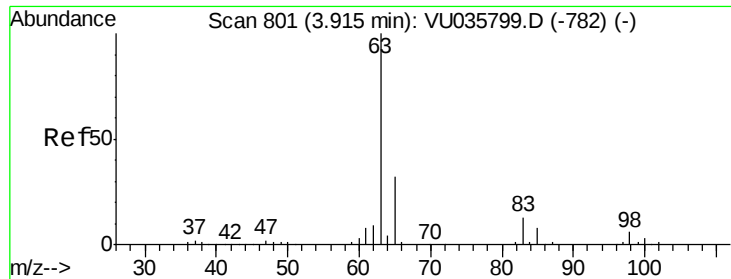
Tot Ion: 73 Resp: 294820
Ion Ratio Lower Upper
73 100
43 22.5 17.4 26.2
57 24.4 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 5.822 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion: 96 Resp: 126933
Ion Ratio Lower Upper
96 100
61 164.5 111.1 206.3
98 62.6 43.1 80.1

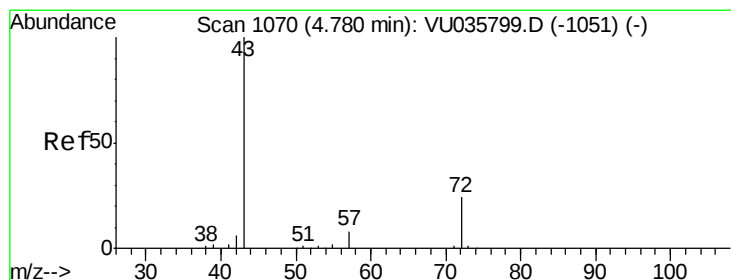
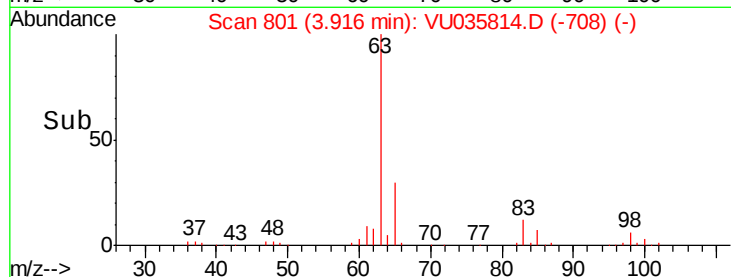
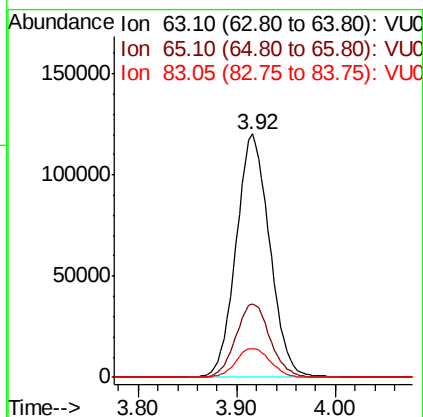
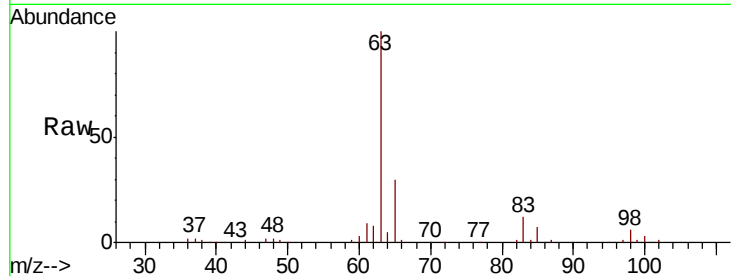




#19
 1,1-Dichloroethane
 Concen: 5.789 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

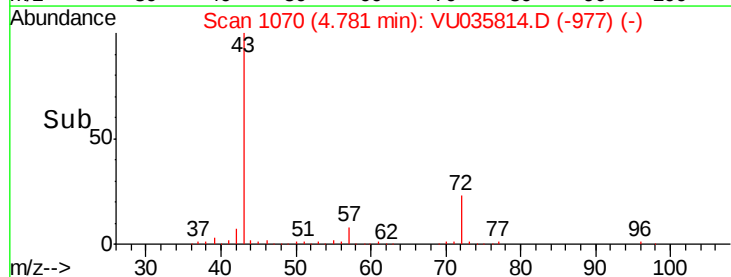
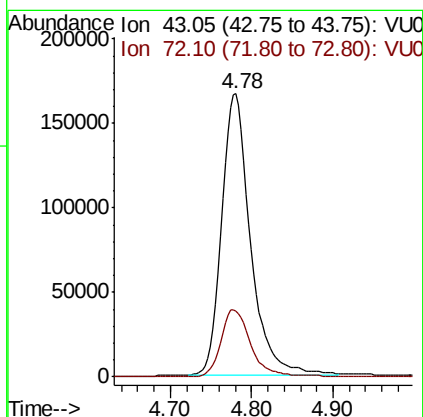
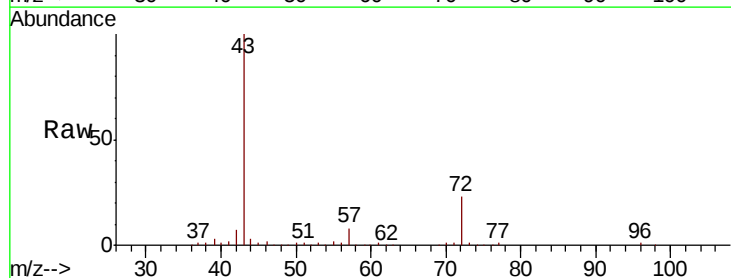
Instrument :
 MSVOA_U
 ClientSampled :

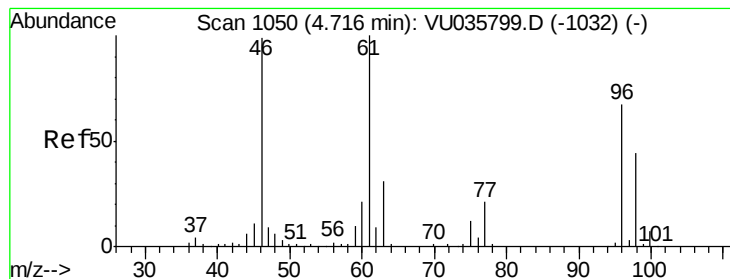
Tot Ion: 63 Resp: 283540
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.8 40.4
 83 11.9 8.6 16.0



#21
 2-Butanone
 Concen: 58.452 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion: 43 Resp: 417890
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 5.522 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :
MSVOA_U
ClientSampled :

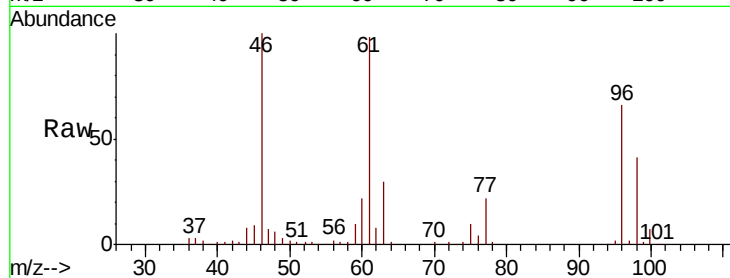
Tot Ion: 96 Resp: 134156

Ion Ratio Lower Upper

96 100

61 148.4 98.1 182.1

68 0.0 0.0 0.0

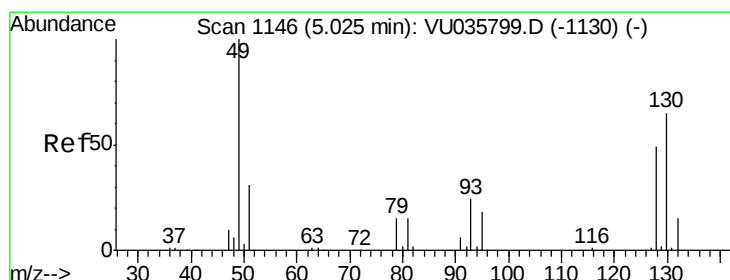
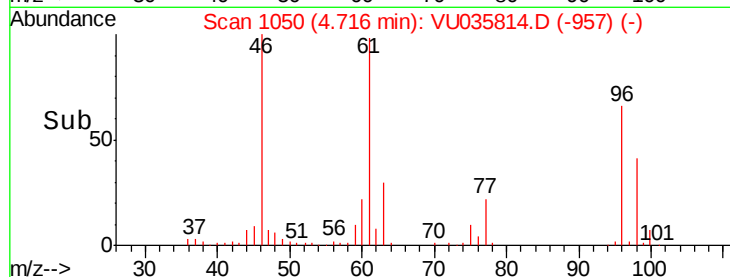
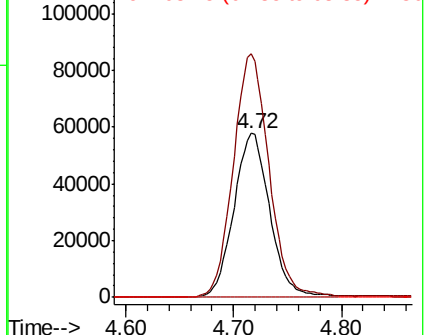


Abundance

Ion 96.00 (95.70 to 96.70): VU035814.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035814.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035814.D (-957) (-)



#23

Bromochloromethane

Concen: 5.987 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Tgt Ion:128 Resp: 63366

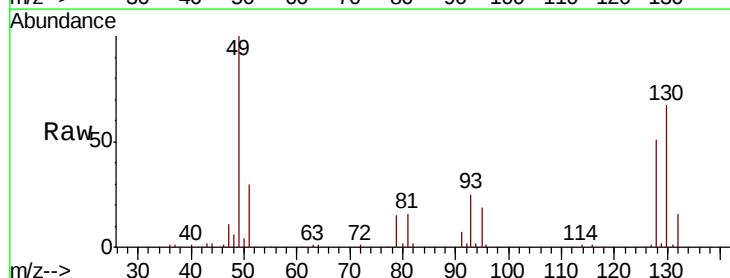
Ion Ratio Lower Upper

128 100

49 194.5 133.8 248.6

130 130.7 91.1 169.1

51 58.8 46.5 69.7



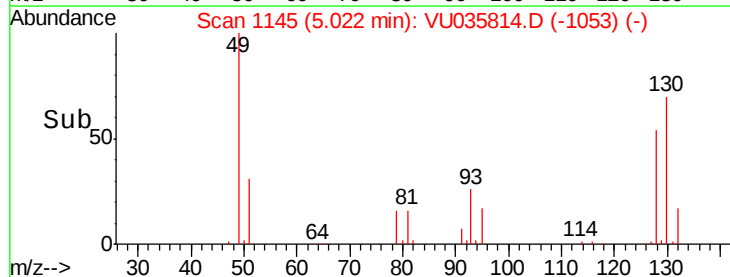
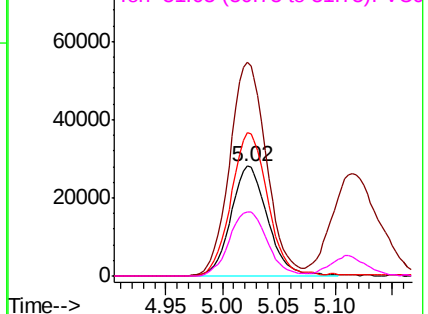
Abundance

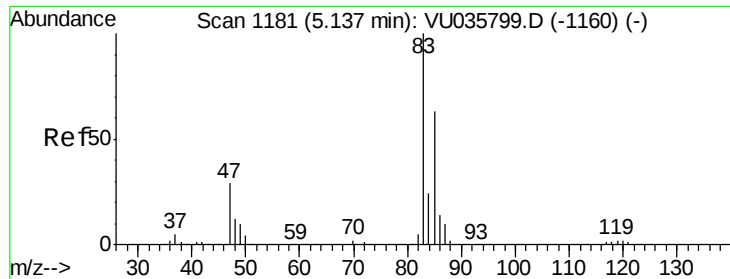
Ion 127.90 (127.60 to 128.60): VU035814.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035814.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035814.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035814.D (-1053) (-)

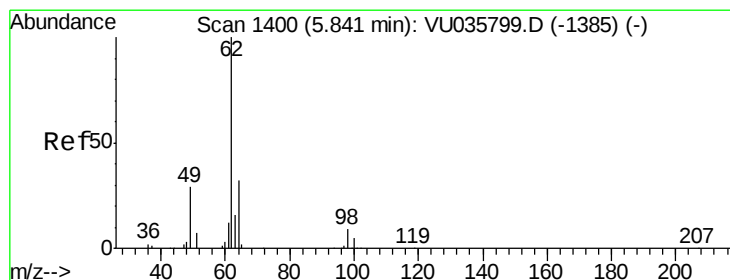
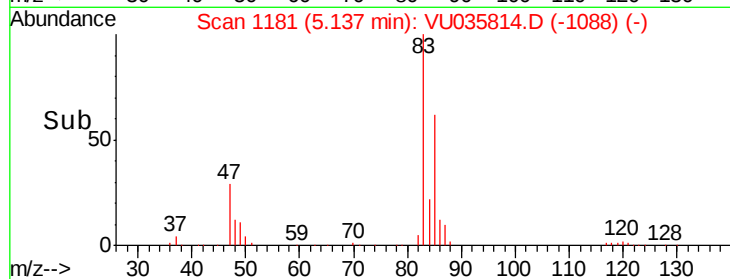
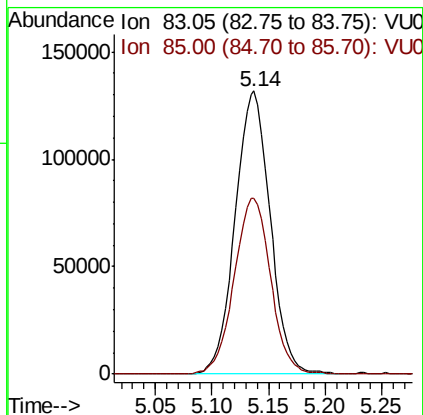
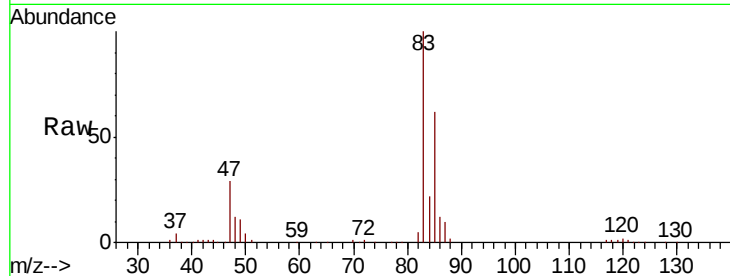




#25
Chloroform
Concen: 5.976 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

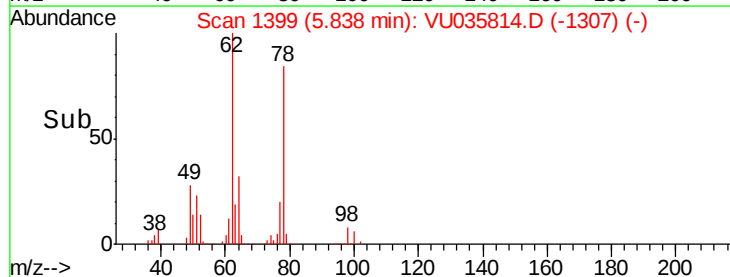
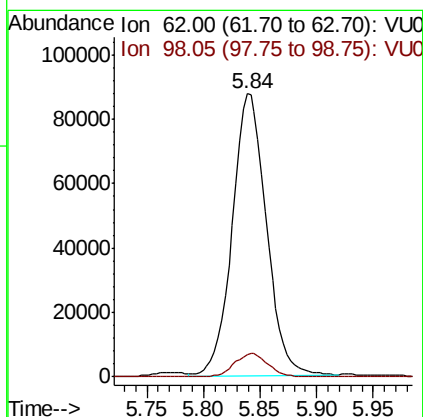
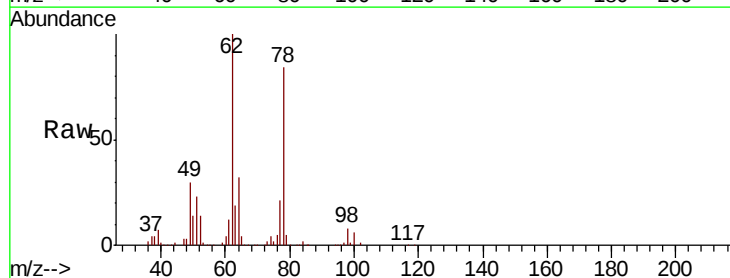
Instrument :
MSVOA_U
ClientSampled :

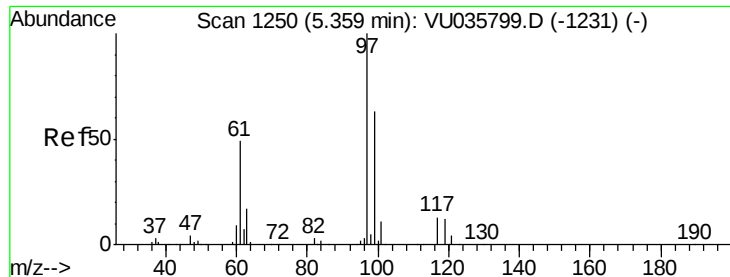
Tot Ion: 83 Resp: 284846
Ion Ratio Lower Upper
83 100
85 62.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.861 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion: 62 Resp: 183739
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.4

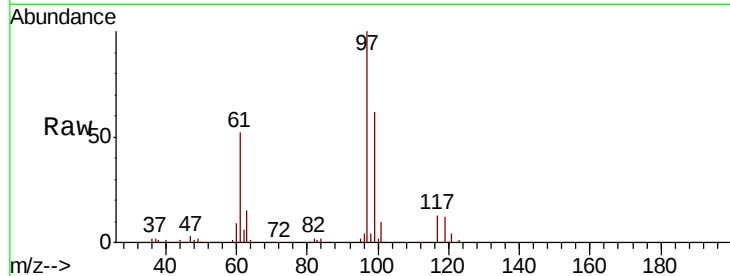




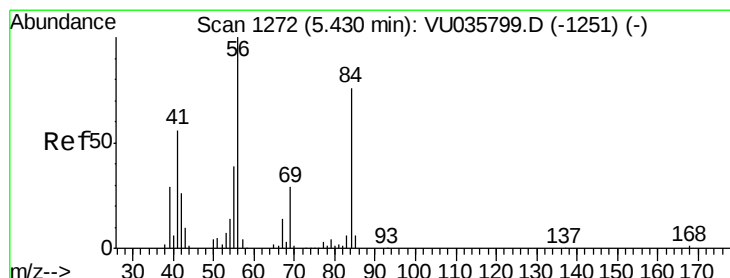
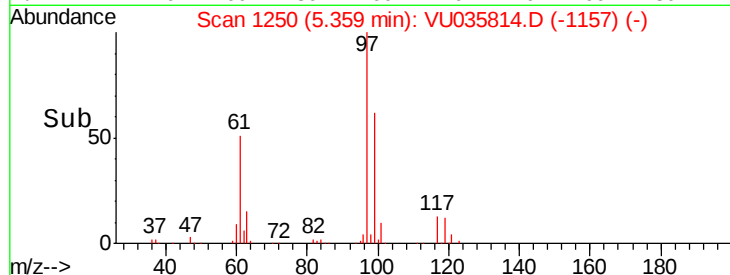
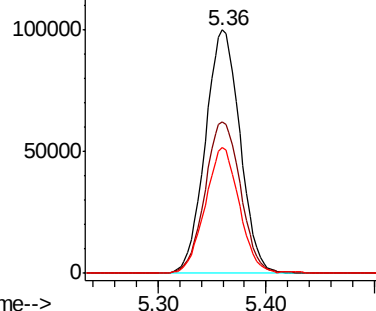
#29
 1,1,1-Trichloroethane
 Concen: 5.769 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	97	Resp	223810
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	50.8	40.3	60.5

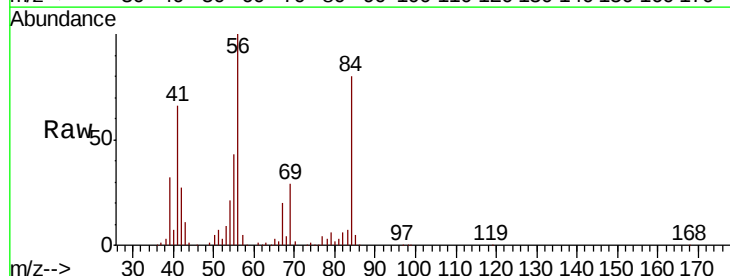


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

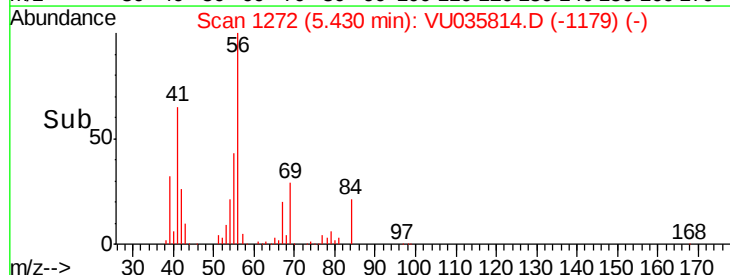
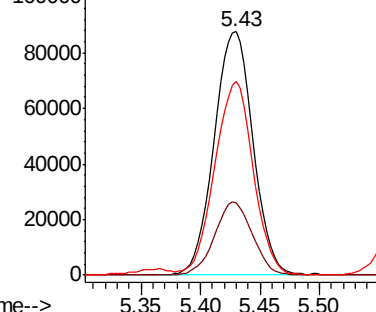


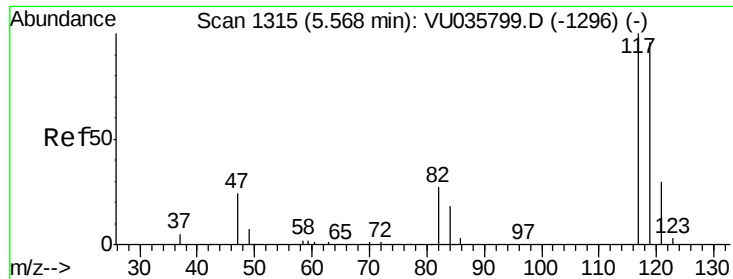
#30
 Cyclohexane
 Concen: 5.239 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion	56	Resp	198640
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	78.2	62.1	93.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.812 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

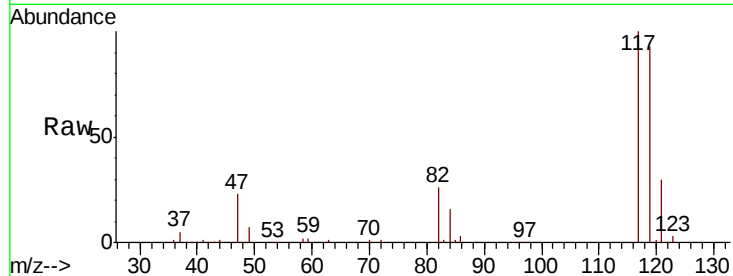
ClientSampleId :

Tot Ion:117 Resp: 195252

Ion Ratio Lower Upper

117 100

119 93.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

100000

80000

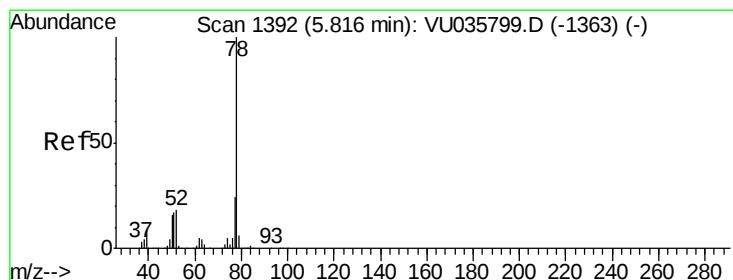
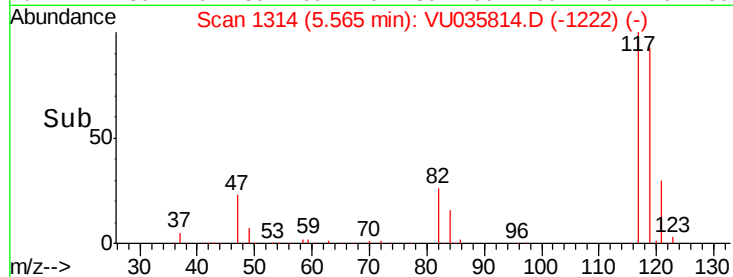
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.825 ug/L

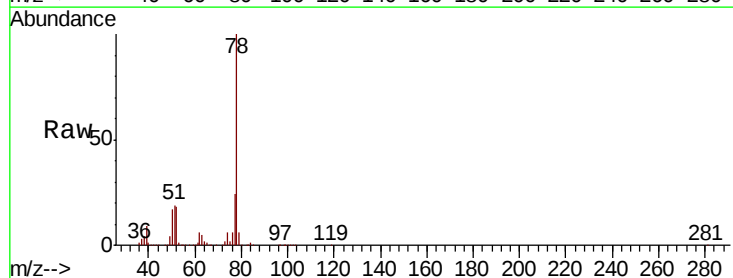
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Tgt Ion: 78 Resp: 584195



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

300000

250000

200000

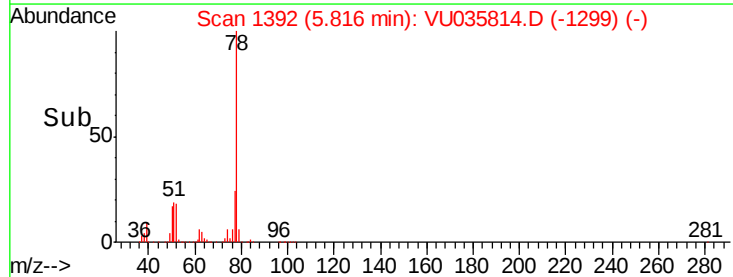
150000

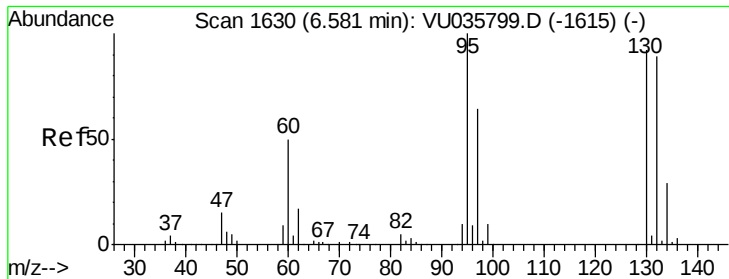
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#34

Trichloroethene

Concen: 5.643 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 138751

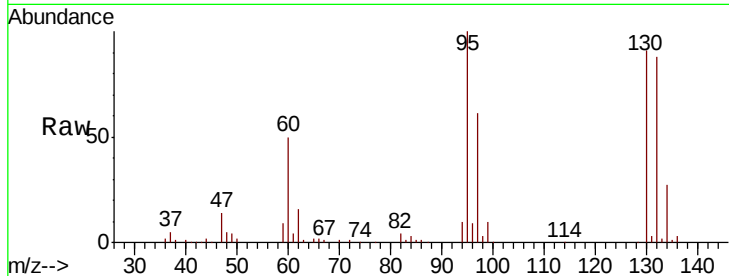
Ion Ratio Lower Upper

95 100

97 61.3 45.1 83.9

132 87.8 61.9 114.9

130 91.1 66.3 123.1

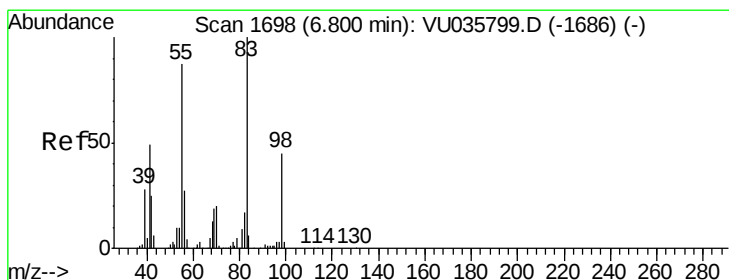
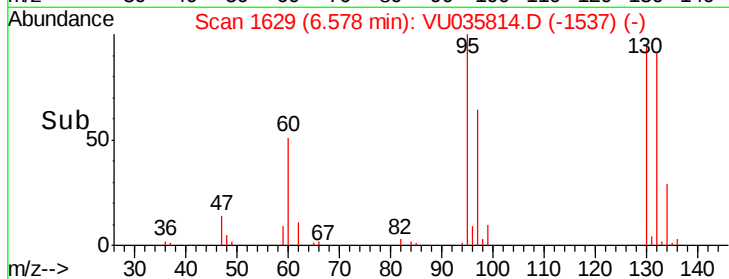
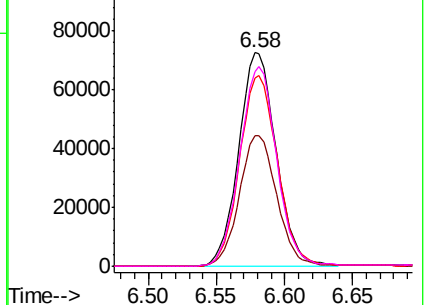


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.262 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

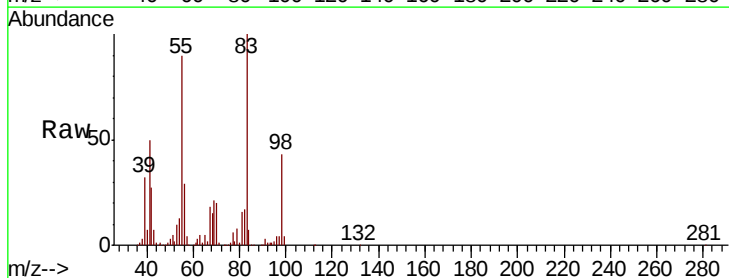
Tgt Ion: 83 Resp: 189868

Ion Ratio Lower Upper

83 100

55 92.9 72.7 109.1

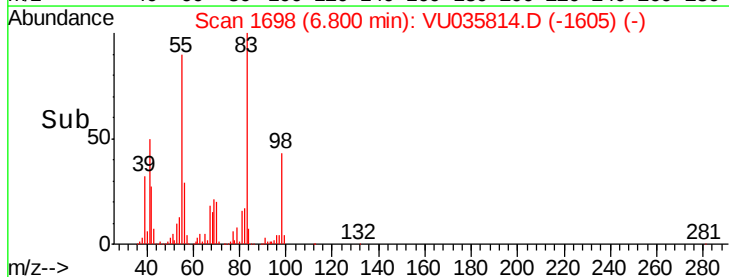
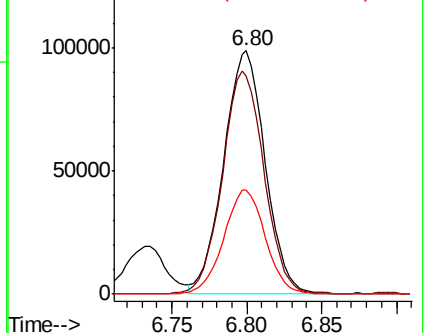
98 43.5 36.2 54.4

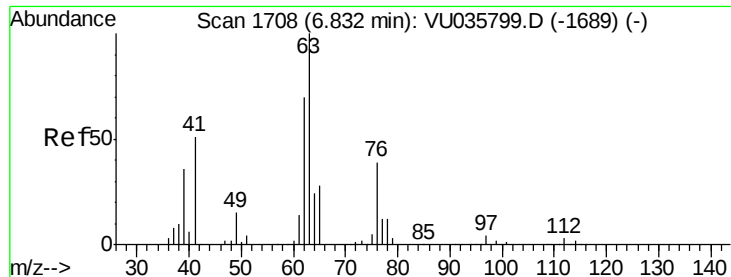


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

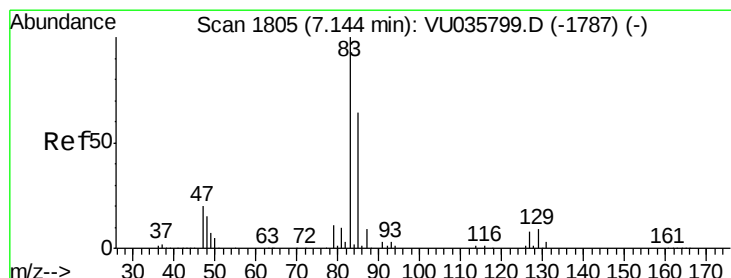
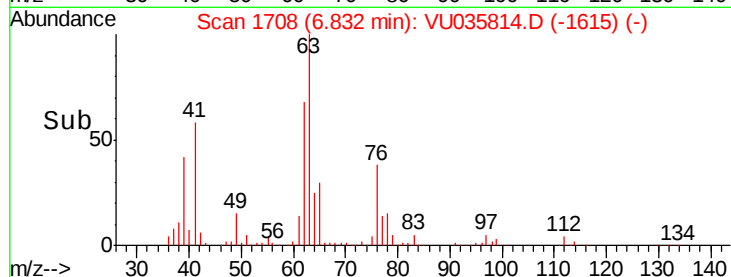
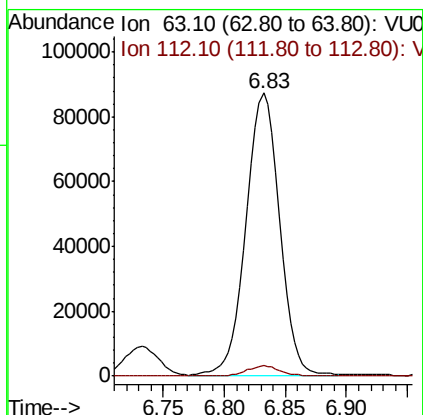
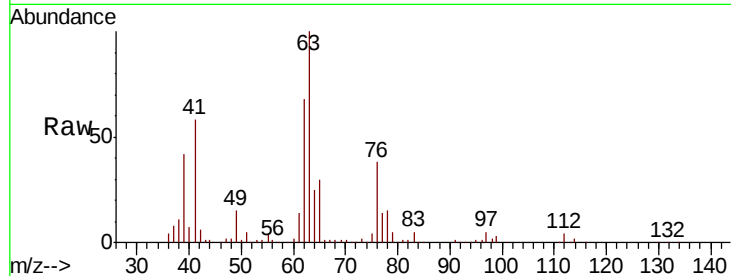




#37
 1,2-Dichloropropane
 Concen: 5.796 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

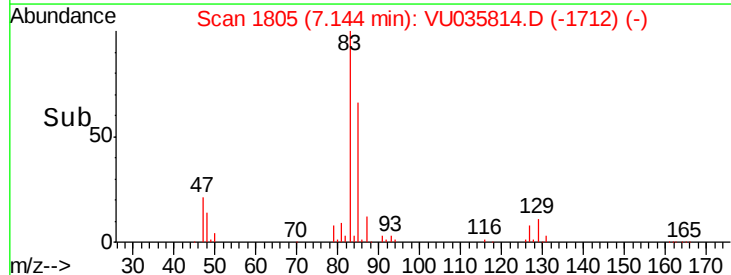
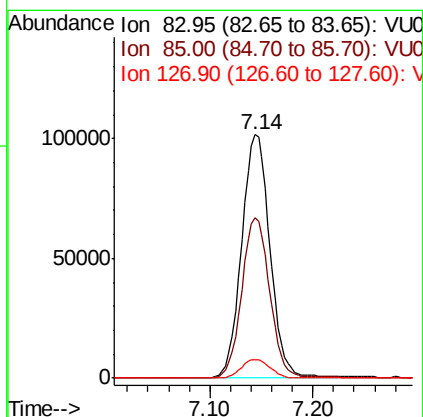
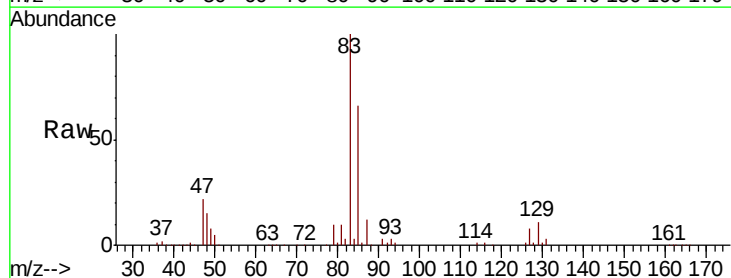
Instrument :
 MSVOA_U
 ClientSampleId :

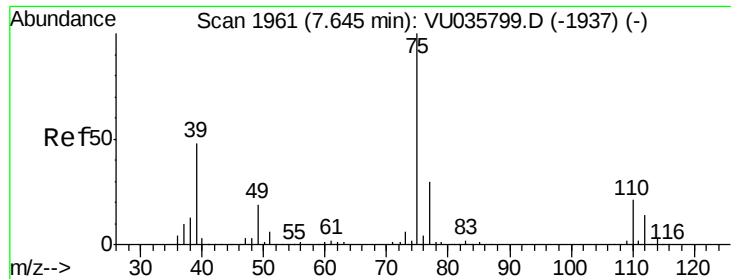
Tot Ion: 63 Resp: 164859
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.706 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion: 83 Resp: 194543
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.6 84.8
 127 7.8 6.0 9.0

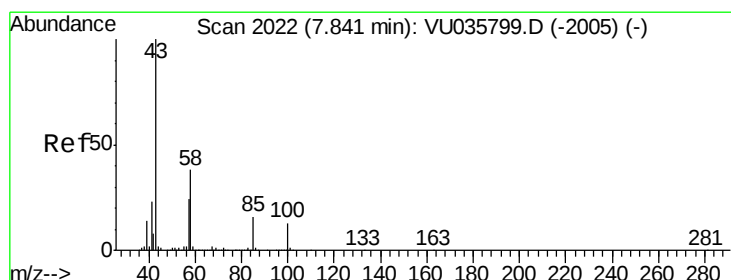
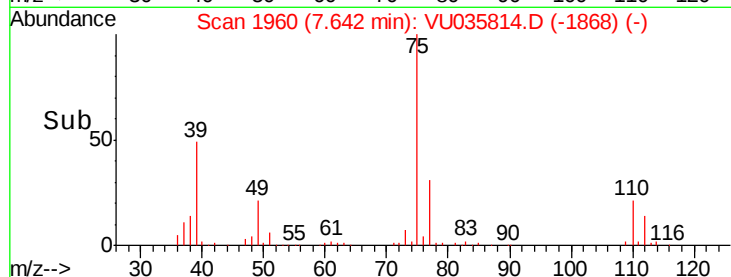
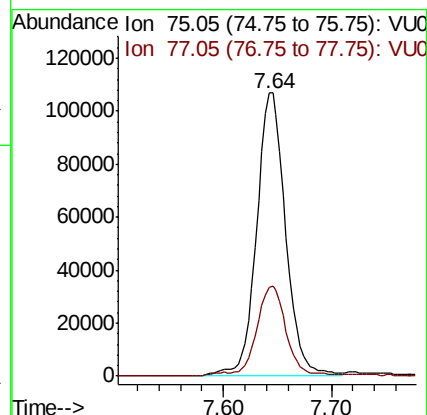
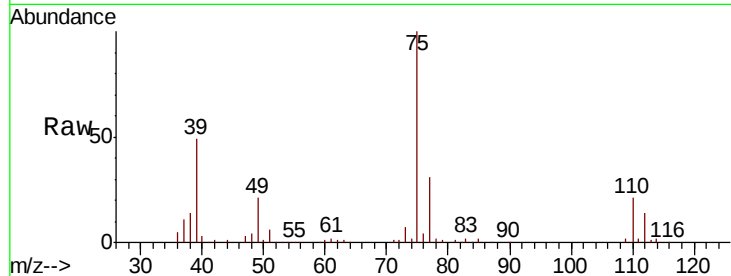




#39
 cis-1,3-Dichloropropene
 Concen: 5.427 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

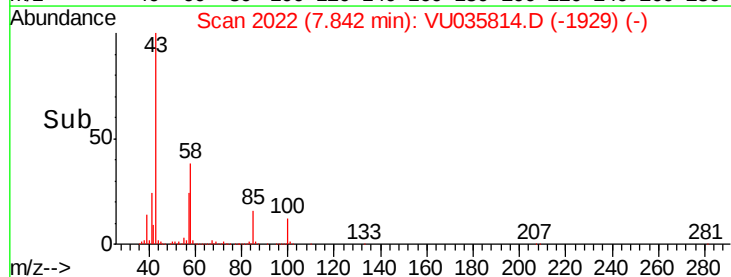
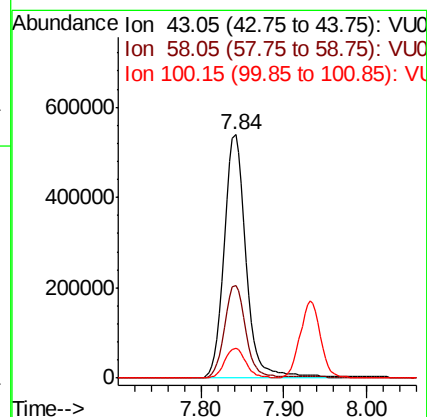
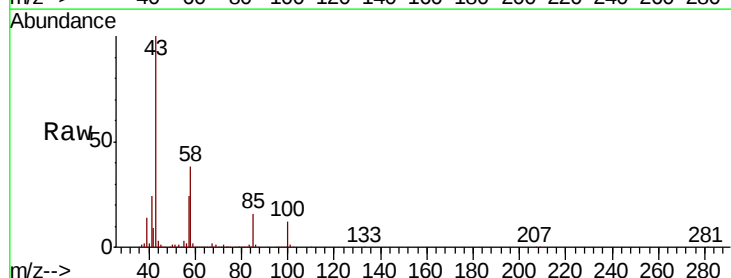
Instrument :
 MSVOA_U
 ClientSampleId :

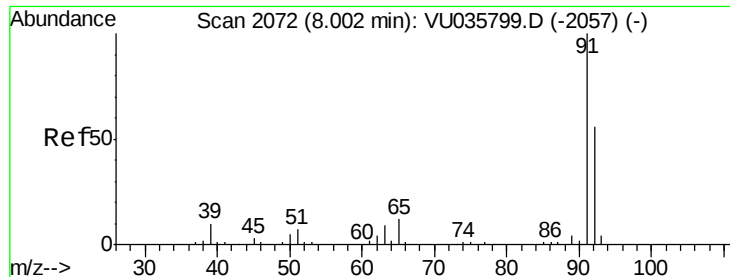
Tot Ion: 75 Resp: 199836
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 56.290 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion: 43 Resp: 982975
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.8 46.2
 100 12.0 10.0 15.0





#42

Toluene

Concen: 5.956 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

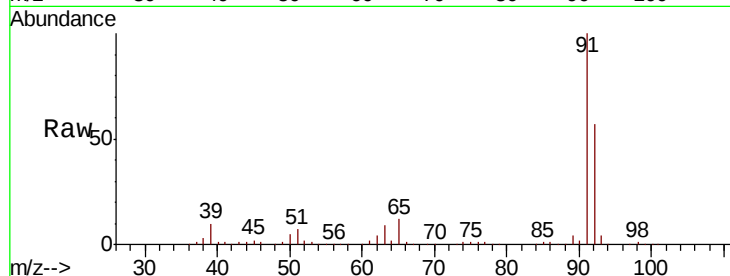
ClientSampleId :

Tot Ion: 91 Resp: 621372

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035799.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035799.D (-2057) (-)

8.00

400000

300000

200000

100000

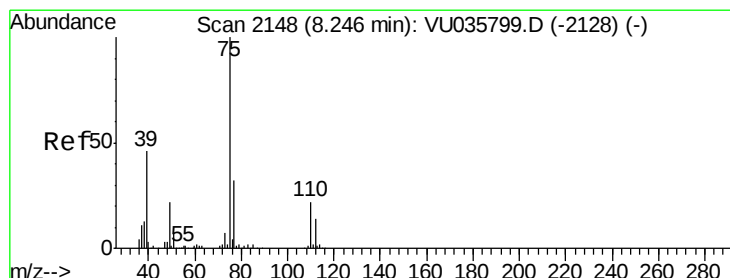
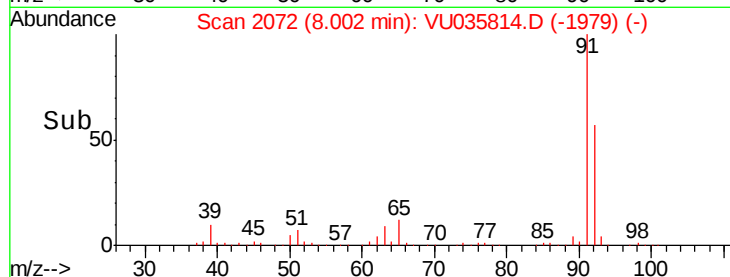
0

Time-->

7.90

8.00

8.10



#44

trans-1,3-Dichloropropene

Concen: 5.804 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035814.D

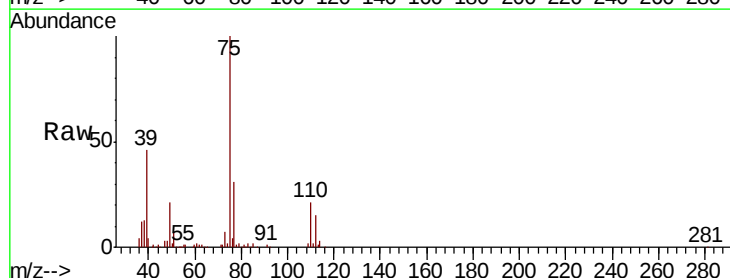
Acq: 22 Nov 2019 09:14

Tgt Ion: 75 Resp: 177200

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035799.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035799.D (-2128) (-)

8.25

100000

80000

60000

40000

20000

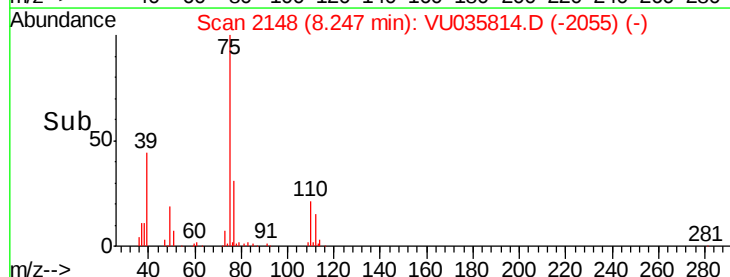
0

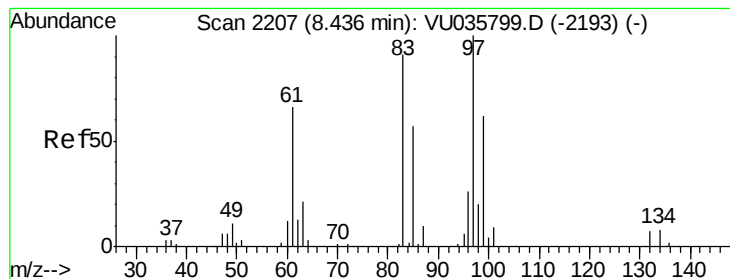
Time-->

8.10

8.20

8.30





#45

1,1,2-Trichloroethane

Concen: 5.681 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 105291

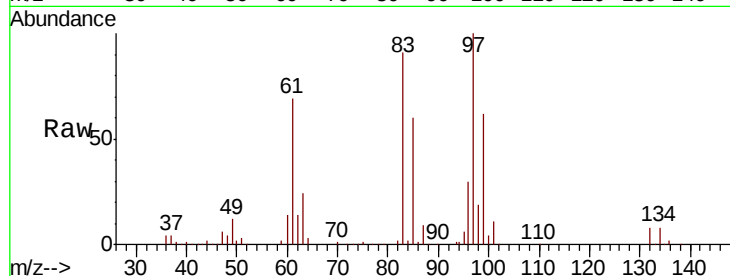
Ion Ratio Lower Upper

97 100

99 62.0 44.2 82.0

83 91.4 62.2 115.6

85 59.6 41.5 77.1

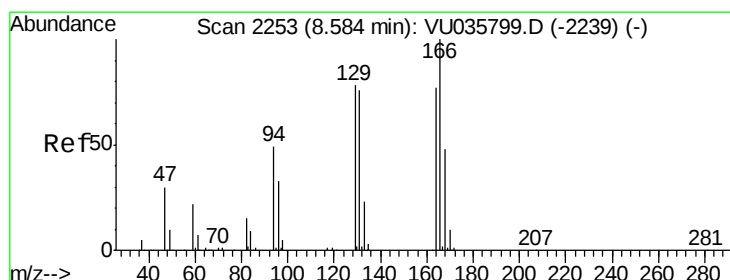
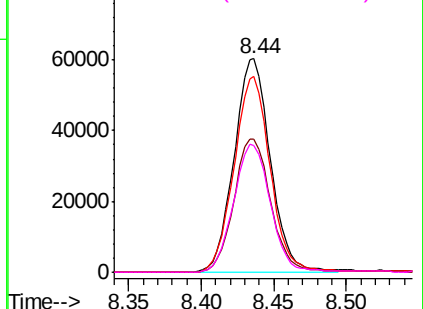
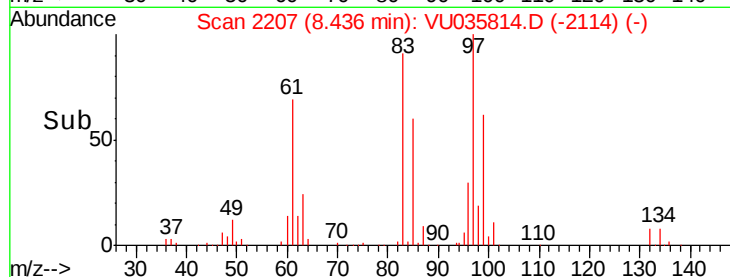


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.616 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Tgt Ion:164 Resp: 105075

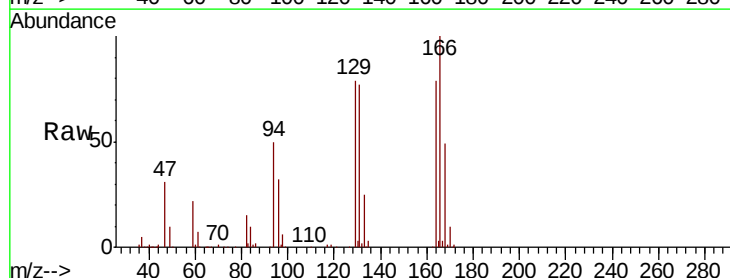
Ion Ratio Lower Upper

164 100

129 100.2 68.8 127.8

131 97.4 67.3 124.9

166 127.2 91.6 170.2

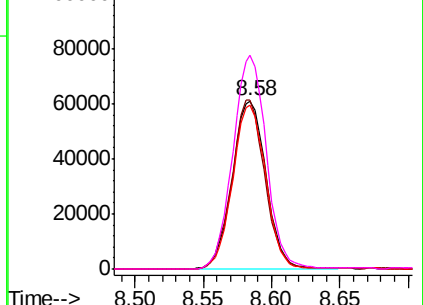
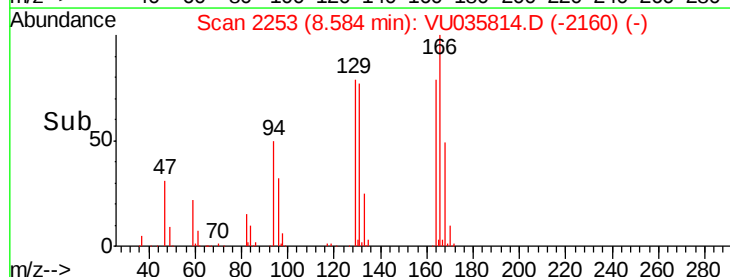


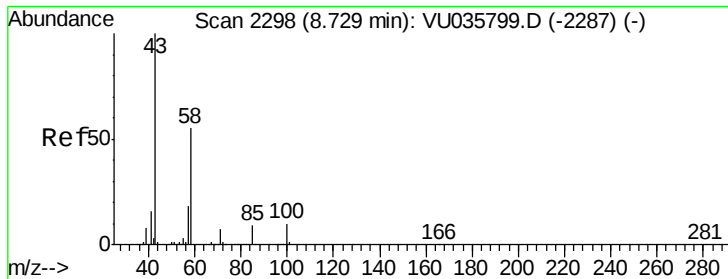
Abundance Ion 163.90 (163.60 to 164.60): V

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

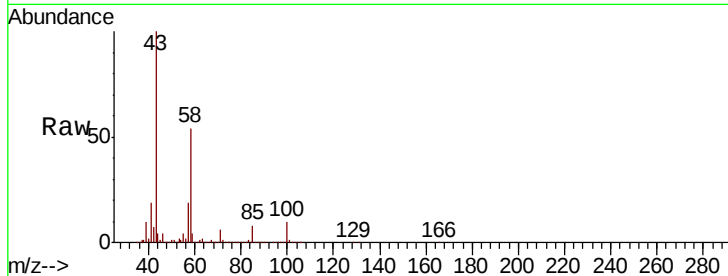




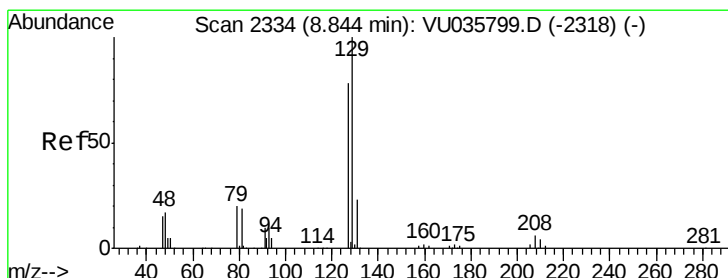
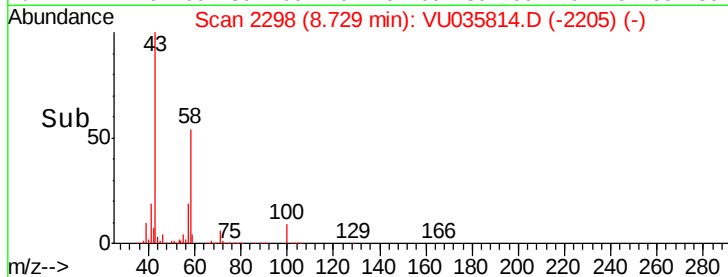
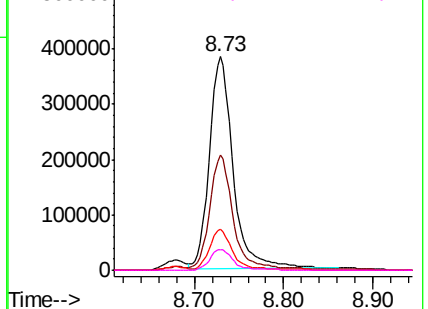
#48
2-Hexanone
Concen: 55.260 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 710458
Ion Ratio Lower Upper
43 100
58 52.0 39.8 59.8
57 17.7 14.0 21.0
100 9.6 7.2 10.8

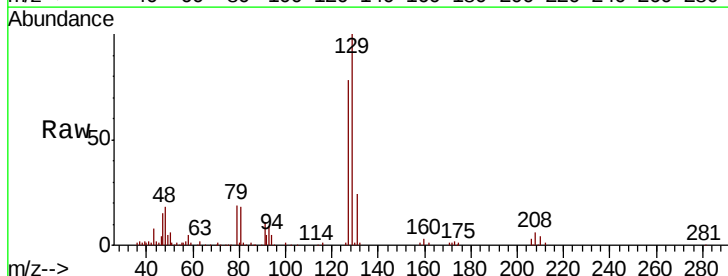


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

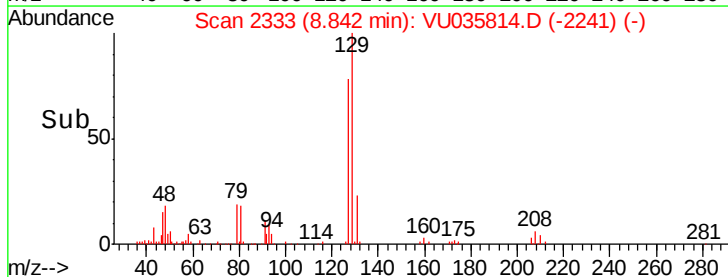
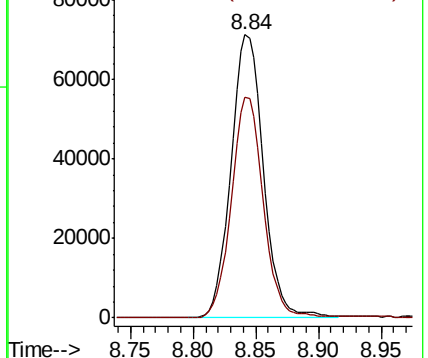


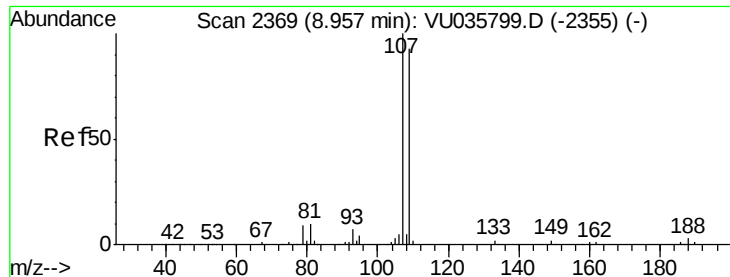
#49
Dibromochloromethane
Concen: 5.860 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion: 129 Resp: 128132
Ion Ratio Lower Upper
129 100
127 78.1 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

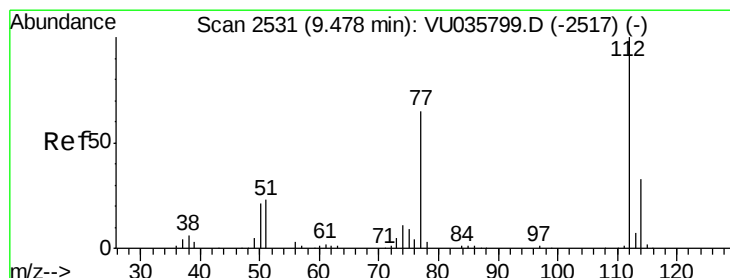
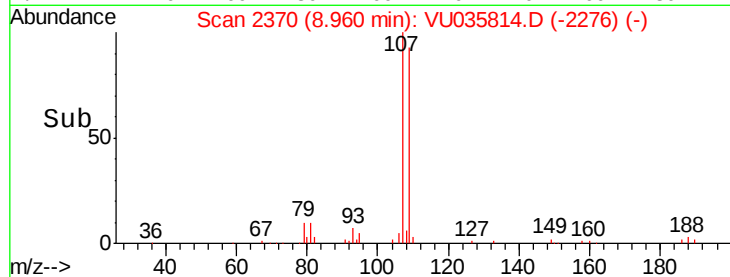
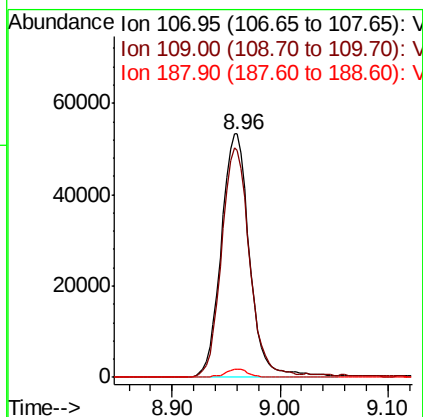
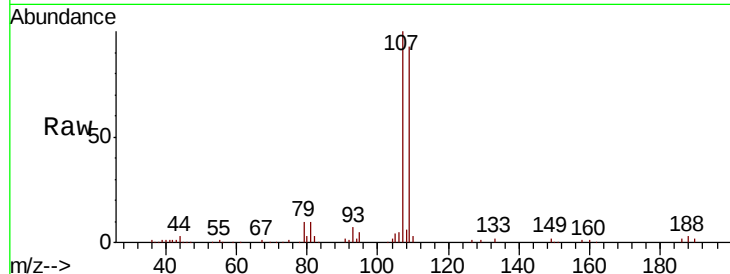




#50
 1,2-Dibromoethane
 Concen: 5.772 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

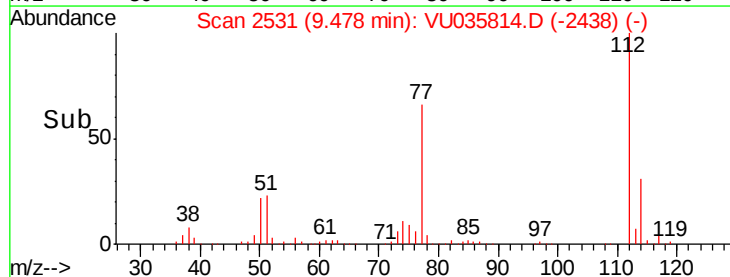
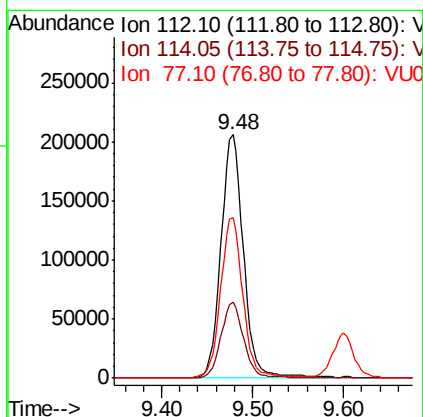
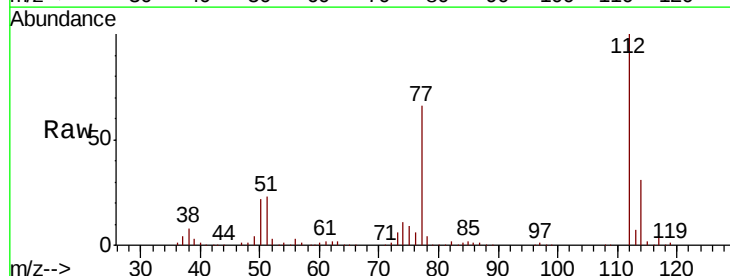
Instrument :
 MSVOA_U
 ClientSampleId :

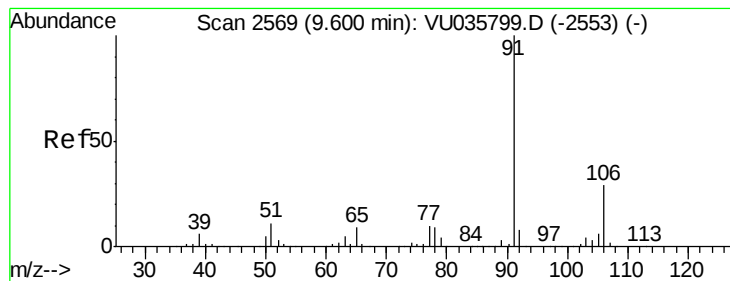
Tot Ion:107 Resp: 97899
 Ion Ratio Lower Upper
 107 100
 109 93.1 62.6 116.3
 188 3.4 2.8 4.2



#51
 Chlorobenzene
 Concen: 5.485 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion:112 Resp: 354435
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.2 41.2
 77 65.7 50.1 75.1





#52

Ethylbenzene

Concen: 5.348 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

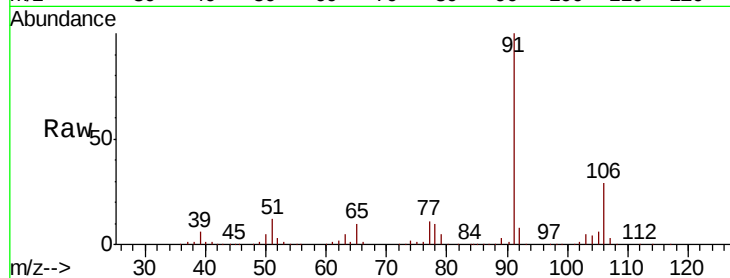
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 576905

Ion Ratio Lower Upper

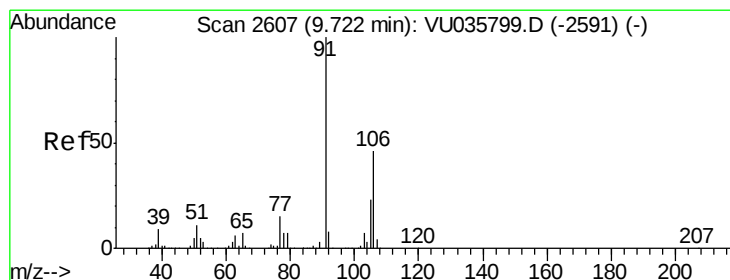
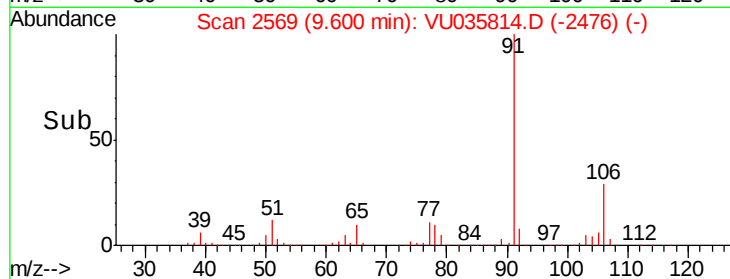
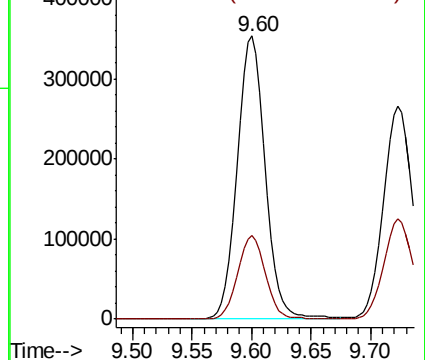
91 100

106 29.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035799.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU035799.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.574 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035814.D

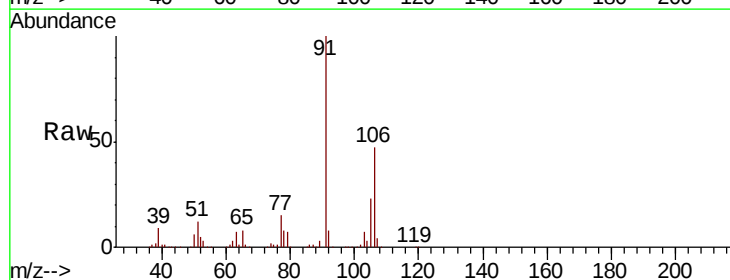
Acq: 22 Nov 2019 09:14

Tgt Ion: 106 Resp: 212000

Ion Ratio Lower Upper

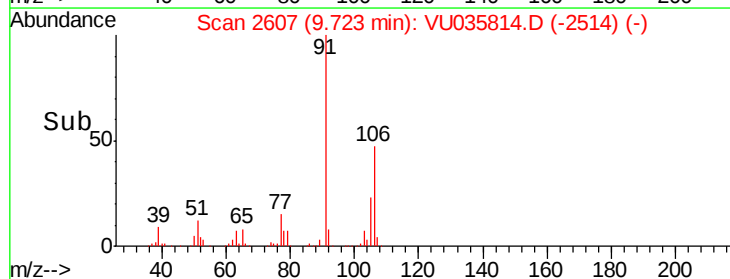
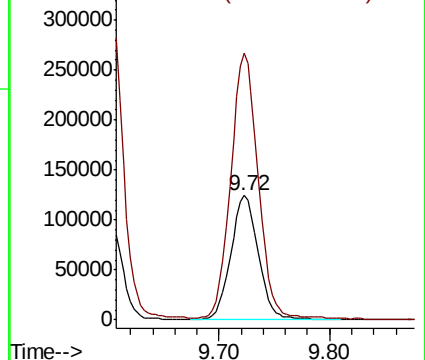
106 100

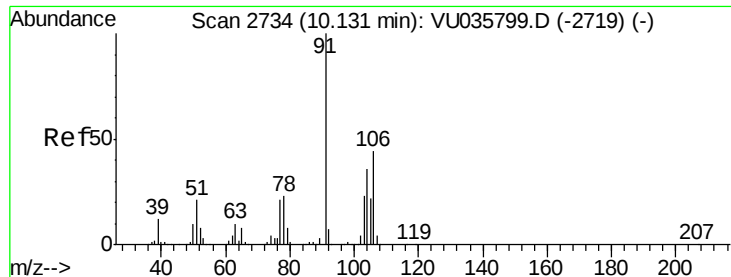
91 214.2 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035799.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU035799.D (-2591) (-)

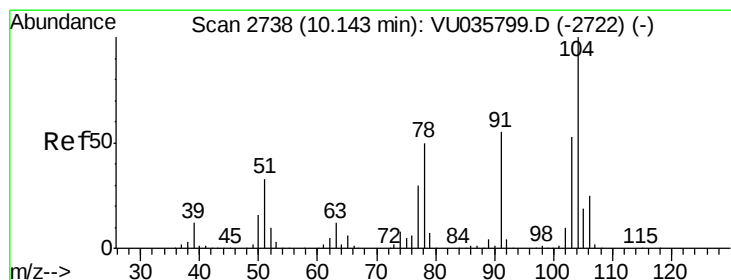
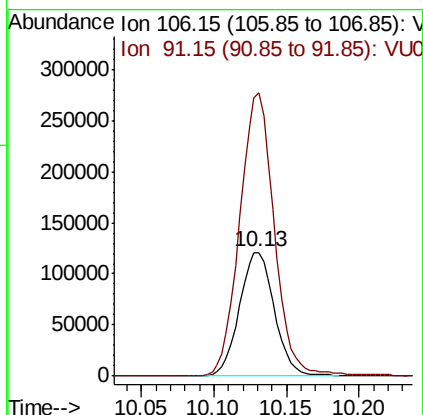
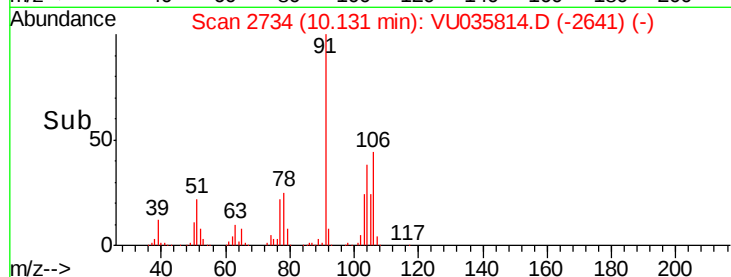
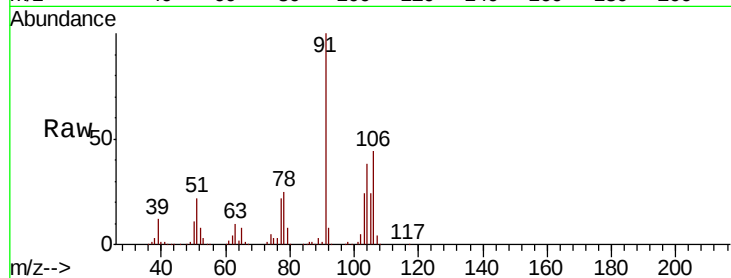




#54
o-Xylene
Concen: 5.514 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

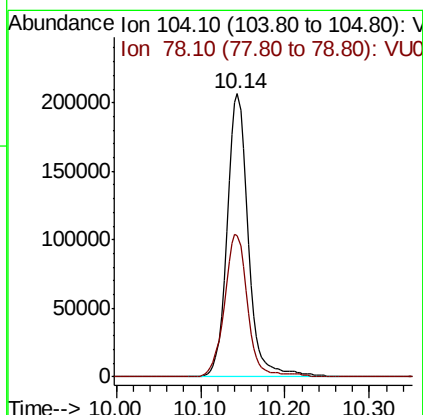
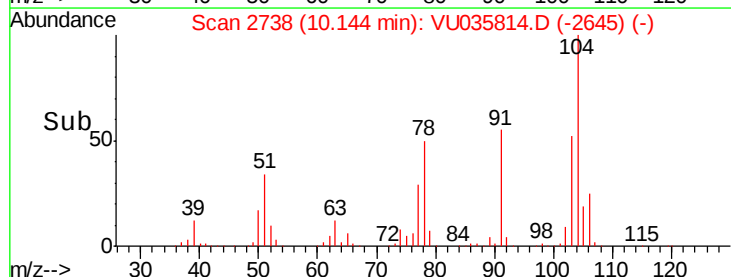
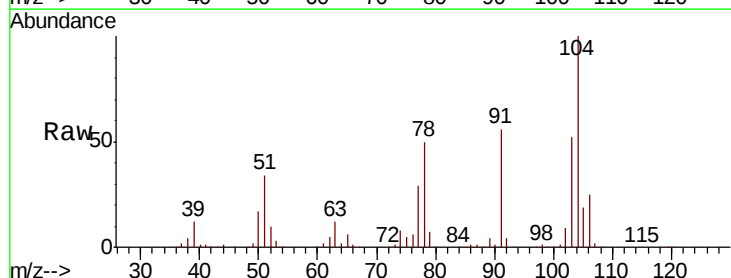
Instrument :
MSVOA_U
ClientSampled :

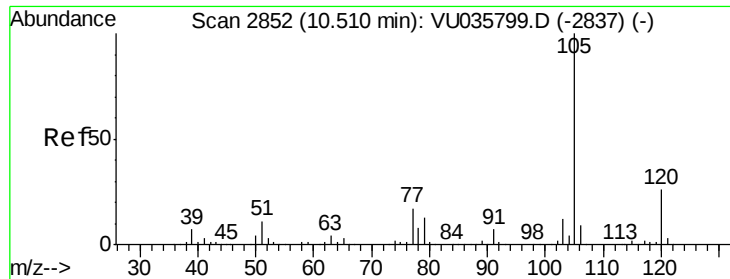
Tot Ion:106 Resp: 203683
Ion Ratio Lower Upper
106 100
91 229.4 153.6 285.2



#55
Styrene
Concen: 5.878 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035814.D
Acq: 22 Nov 2019 09:14

Tgt Ion:104 Resp: 360108
Ion Ratio Lower Upper
104 100
78 50.1 33.9 62.9





#56

Isopropylbenzene

Concen: 5.557 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

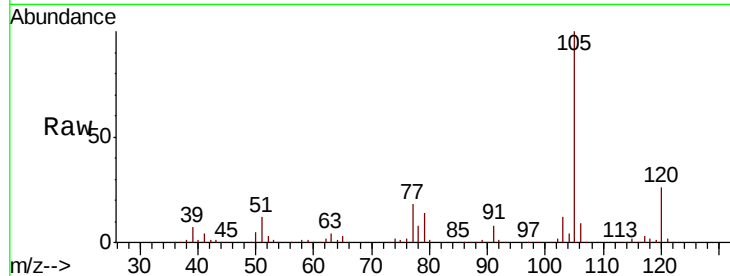
Tot Ion:105 Resp: 542224

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.2

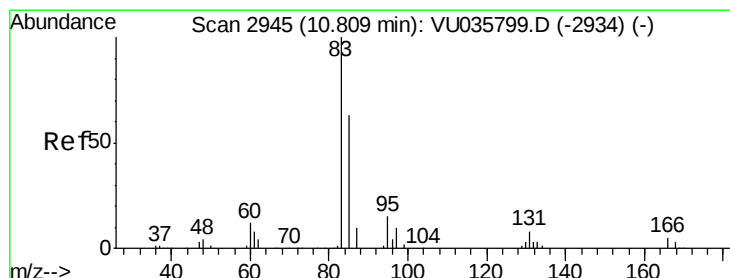
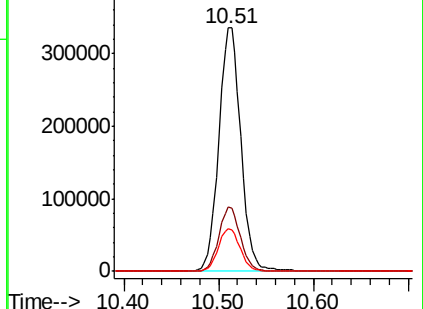
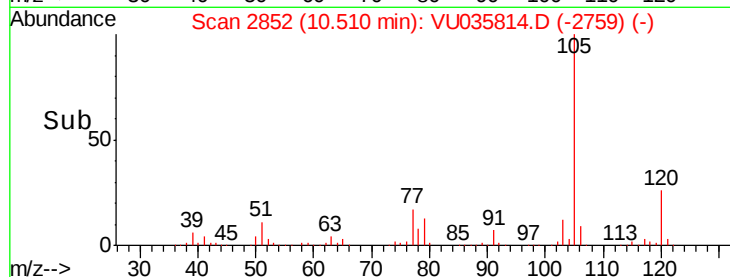
77 17.8 13.7 20.5



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.658 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

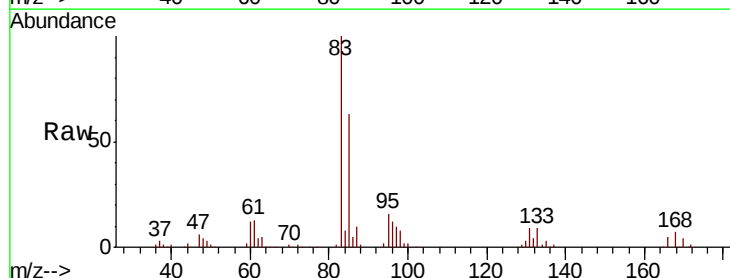
Tgt Ion: 83 Resp: 145111

Ion Ratio Lower Upper

83 100

85 62.6 44.6 82.8

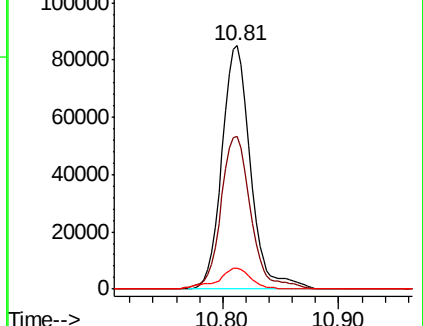
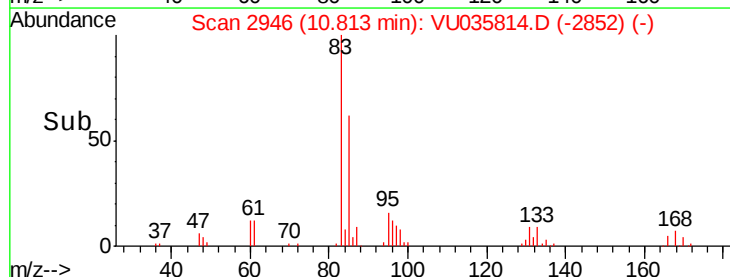
131 8.8 6.9 10.3

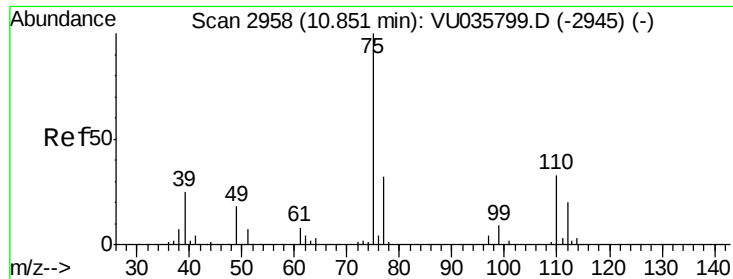


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

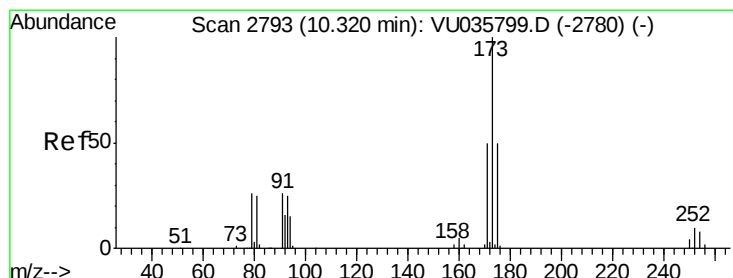
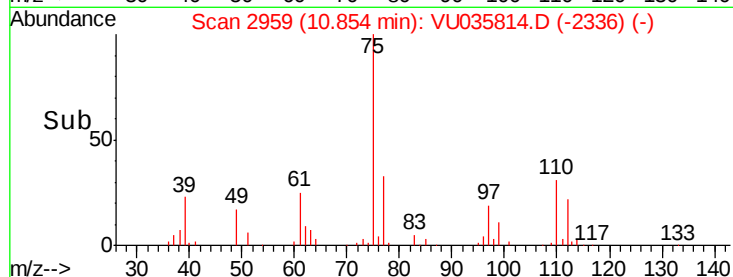
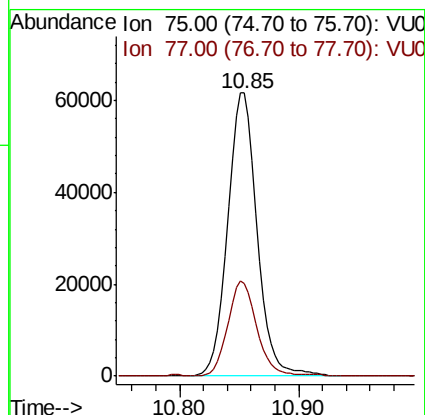
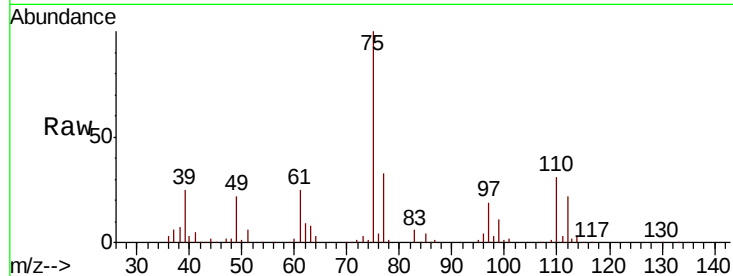




#59
 1,2,3-Trichloropropane
 Concen: 5.697 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

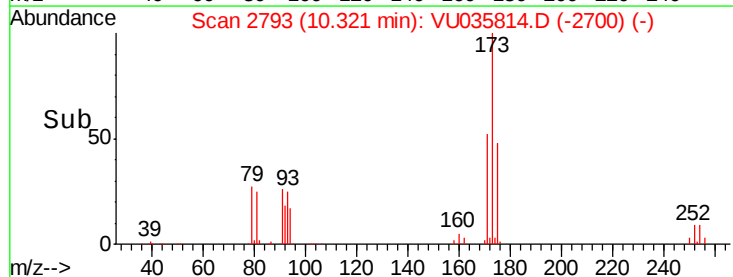
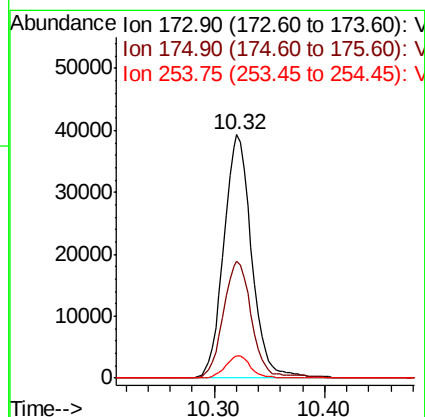
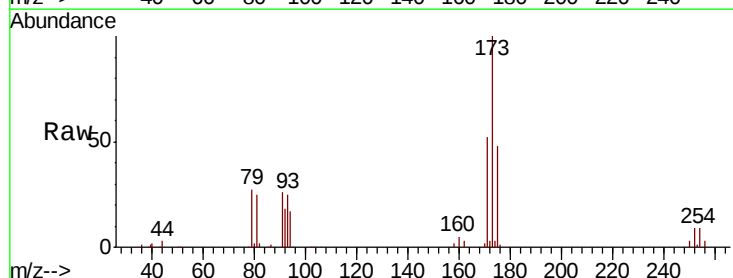
Instrument :
 MSVOA_U
 ClientSampleId :

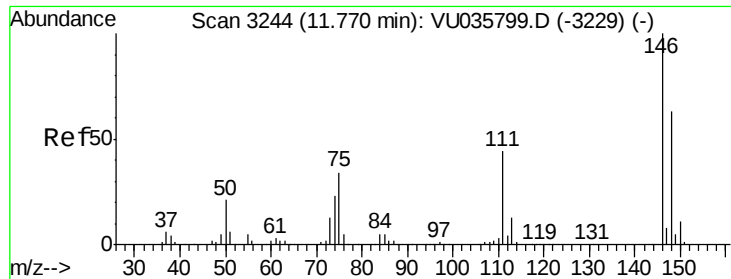
Tot Ion: 75 Resp: 105342
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2



#61
 Bromoform
 Concen: 5.106 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion: 173 Resp: 68952
 Ion Ratio Lower Upper
 173 100
 175 48.0 40.1 60.1
 254 8.2 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.417 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035814.D

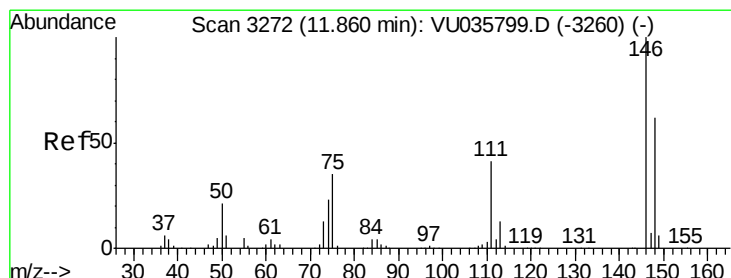
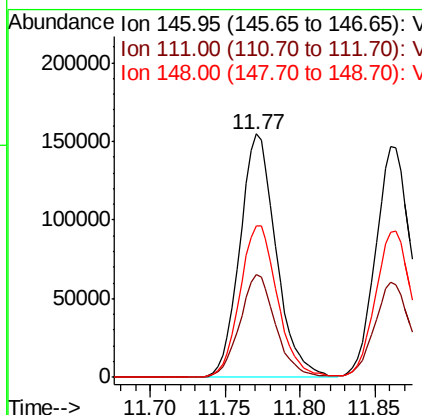
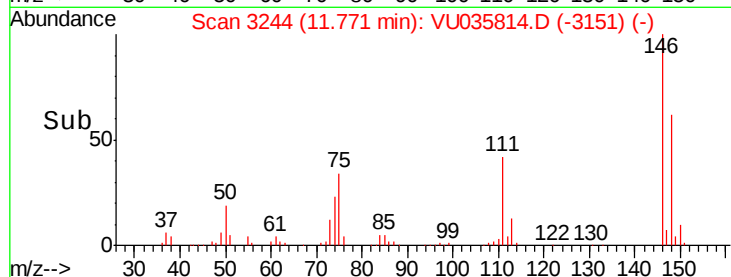
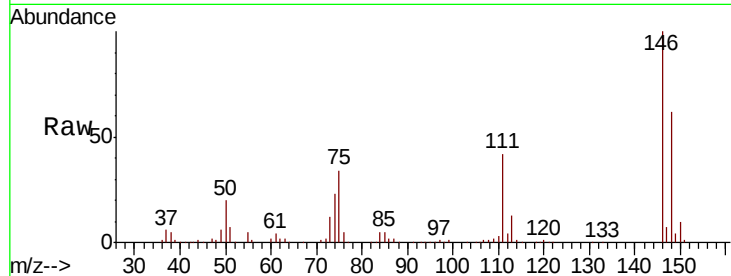
Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.5	54.7
148	62.0	44.1	81.9



#63

1,4-Dichlorobenzene

Concen: 5.289 ug/L

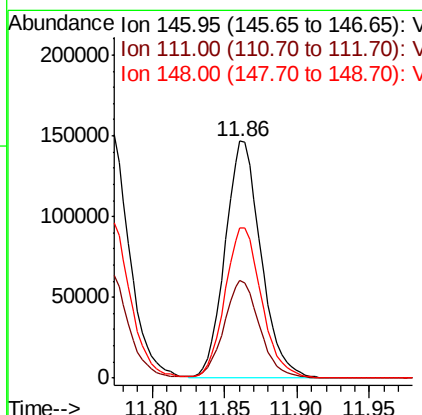
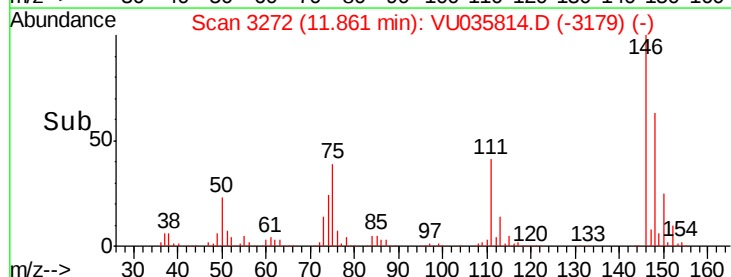
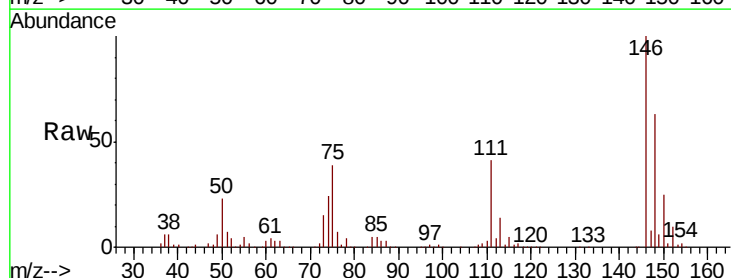
RT: 11.86 min Scan# 3272

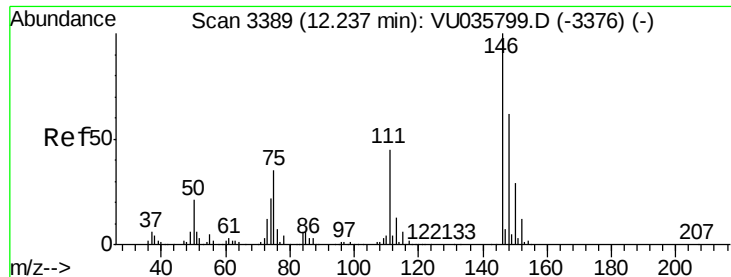
Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	27.9	51.7
148	63.2	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 5.347 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

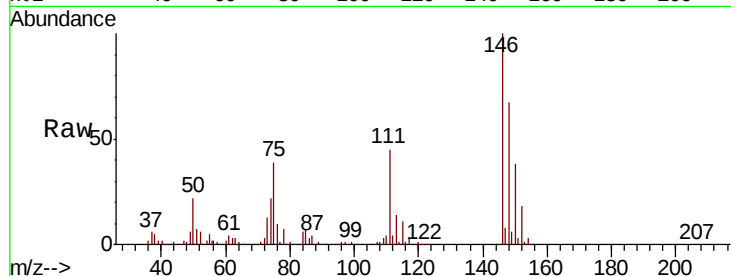
Tot Ion:146 Resp: 246099

Ion Ratio Lower Upper

146 100

111 44.9 35.4 53.0

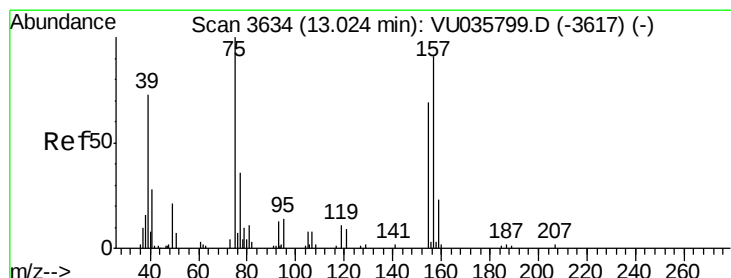
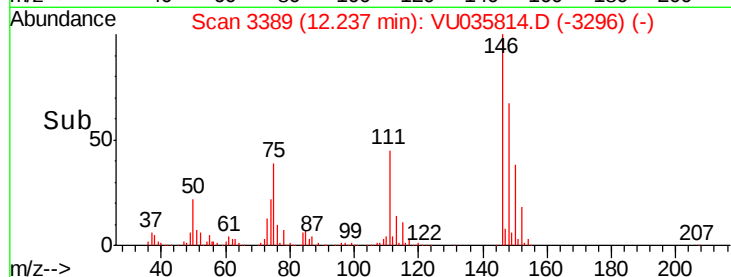
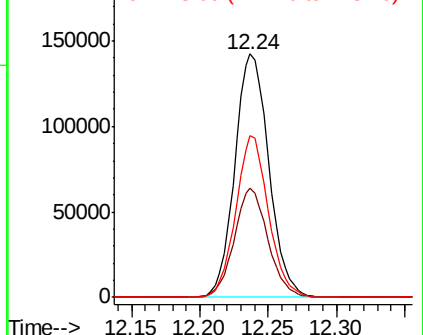
148 66.6 50.8 76.2



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: 4.948 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

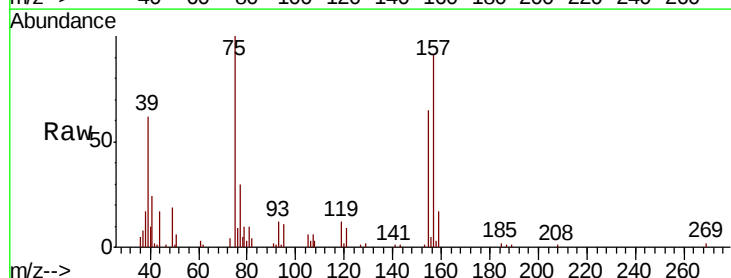
Tgt Ion: 75 Resp: 18846

Ion Ratio Lower Upper

75 100

155 64.6 55.4 83.2

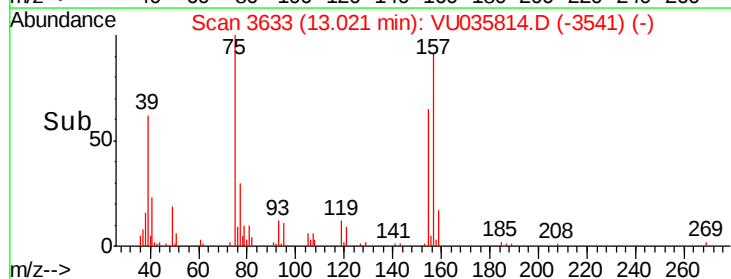
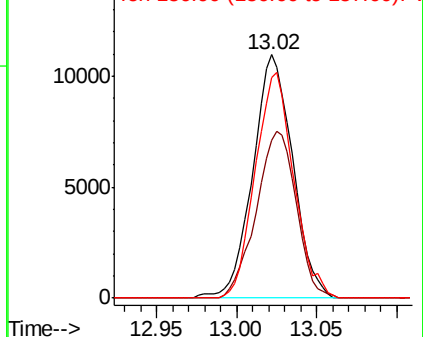
157 90.6 69.4 104.2

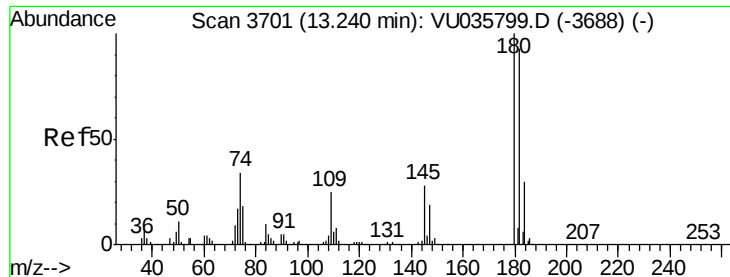


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

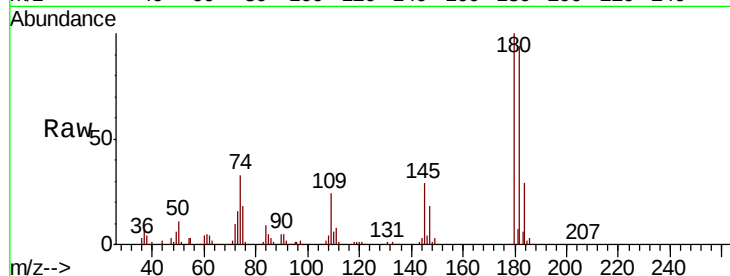




#67
 1,3,5-Trichlorobenzene
 Concen: 5.419 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
184	30.1	24.1	36.1
145	28.9	23.7	35.5



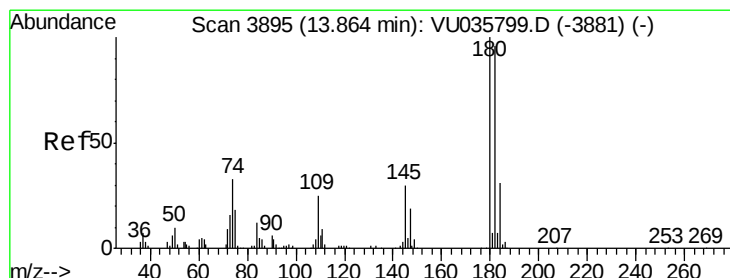
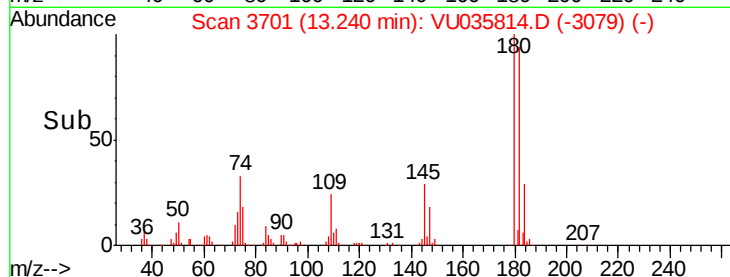
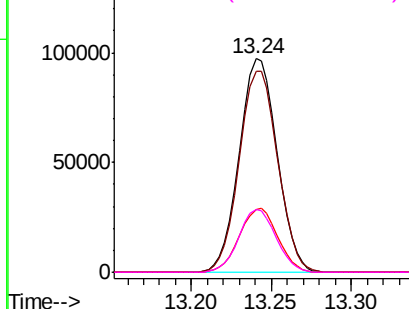
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

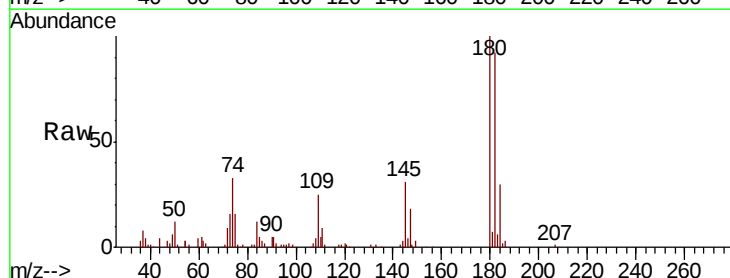
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.705 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035814.D
 Acq: 22 Nov 2019 09:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.1	112.7
145	30.7	24.0	36.0

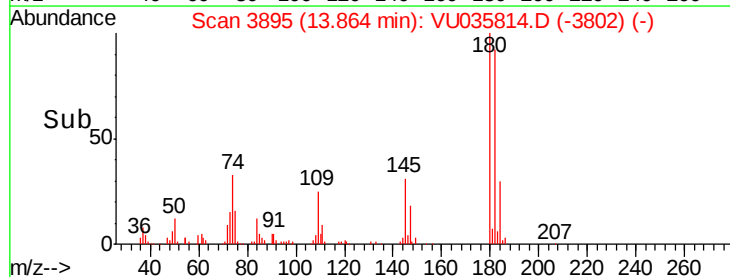
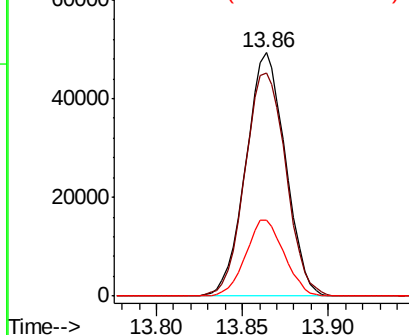


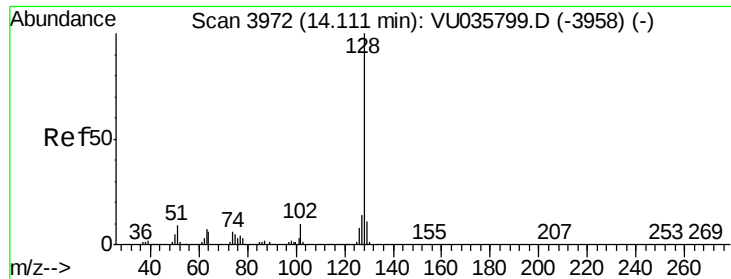
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.622 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

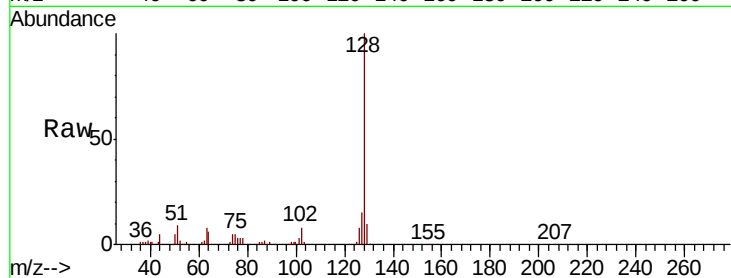
Tot Ion:128 Resp: 84982

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

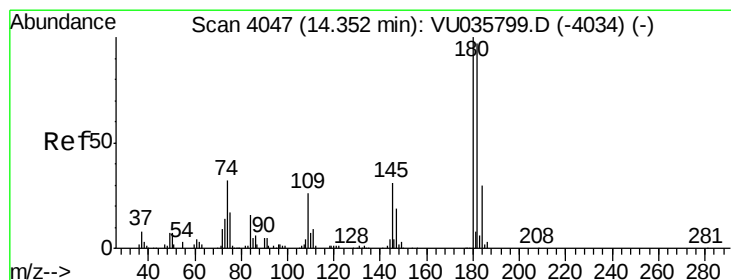
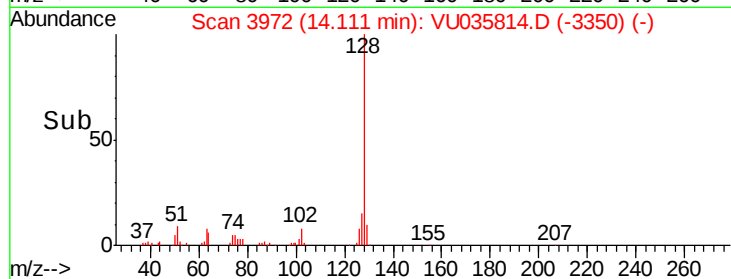
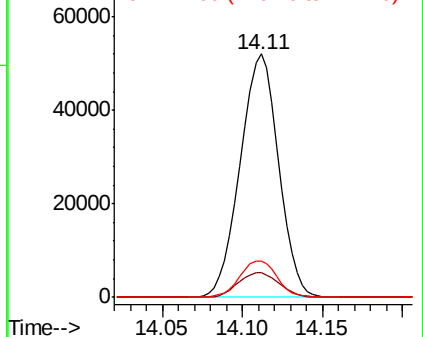
127 14.6 11.8 17.6



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: 4.791 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035814.D

Acq: 22 Nov 2019 09:14

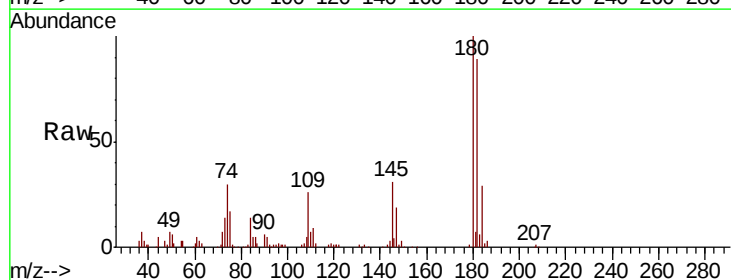
Tgt Ion:180 Resp: 77631

Ion Ratio Lower Upper

180 100

182 91.9 77.4 116.0

145 31.0 24.7 37.1



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

