

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112119\
 Data File : VU035797.D
 Acq On : 21 Nov 2019 11:30
 Operator : JC/SP
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Quant Time: Nov 21 17:10:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 17:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	269179	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	300813	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	184688	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	700114	23.93	ug/L	0.00
7) Chloroethane-d5	1.93	69	588249	24.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	1274483	25.27	ug/L	0.00
20) 2-Butanone-d5	4.69	46	1794639	275.37	ug/L	0.00
24) Chloroform-d	5.11	84	1199349	25.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	648550	25.80	ug/L	0.00
32) Benzene-d6	5.77	84	2381892	24.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	796658	24.57	ug/L	0.00
41) Toluene-d8	7.93	98	2267522	24.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	322802	25.16	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	1578083	313.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	670226	24.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	776506	20.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	718726	23.665 ug/L	98
3) Chloromethane	1.54	50	849702	23.744 ug/L	100
5) Vinyl chloride	1.62	62	878463	24.126 ug/L	97
6) Bromomethane	1.86	94	446610	22.044 ug/L	100
8) Chloroethane	1.95	64	504795	24.089 ug/L	100
9) Trichlorofluoromethane	2.16	101	997509	22.648 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	555369	21.587 ug/L	98
12) 1,1-Dichloroethene	2.60	96	533809	21.715 ug/L	91
13) Acetone	2.66	43	1247913	254.321 ug/L	99
14) Carbon disulfide	2.82	76	1762462	22.043 ug/L	99
15) Methyl Acetate	2.99	43	281679	25.380 ug/L	99
16) Methylene chloride	3.08	84	608986	20.886 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	1428432	24.596 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	540635	21.548 ug/L	97
19) 1,1-Dichloroethane	3.92	63	1177425	24.193 ug/L	99
21) 2-Butanone	4.77	43	1919709	272.828 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	636561	22.962 ug/L	95
23) Bromochloromethane	5.02	128	263972	20.319 ug/L	97
25) Chloroform	5.14	83	1162434	22.260 ug/L	99
27) 1,2-Dichloroethane	5.84	62	766366	25.690 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	954402	23.134 ug/L	98
30) Cyclohexane	5.43	56	1070794	25.952 ug/L	99
31) Carbon tetrachloride	5.57	117	819855	22.267 ug/L	100
33) Benzene	5.82	78	2525163	22.846 ug/L	100
34) Trichloroethene	6.58	95	620836	22.262 ug/L	98
35) Methylcyclohexane	6.80	83	1033775	24.720 ug/L	96
37) 1,2-Dichloropropane	6.83	63	704803	23.887 ug/L	100
38) Bromodichloromethane	7.14	83	841648	23.627 ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	1023948	24.779 ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	4803640	278.760 ug/L	99

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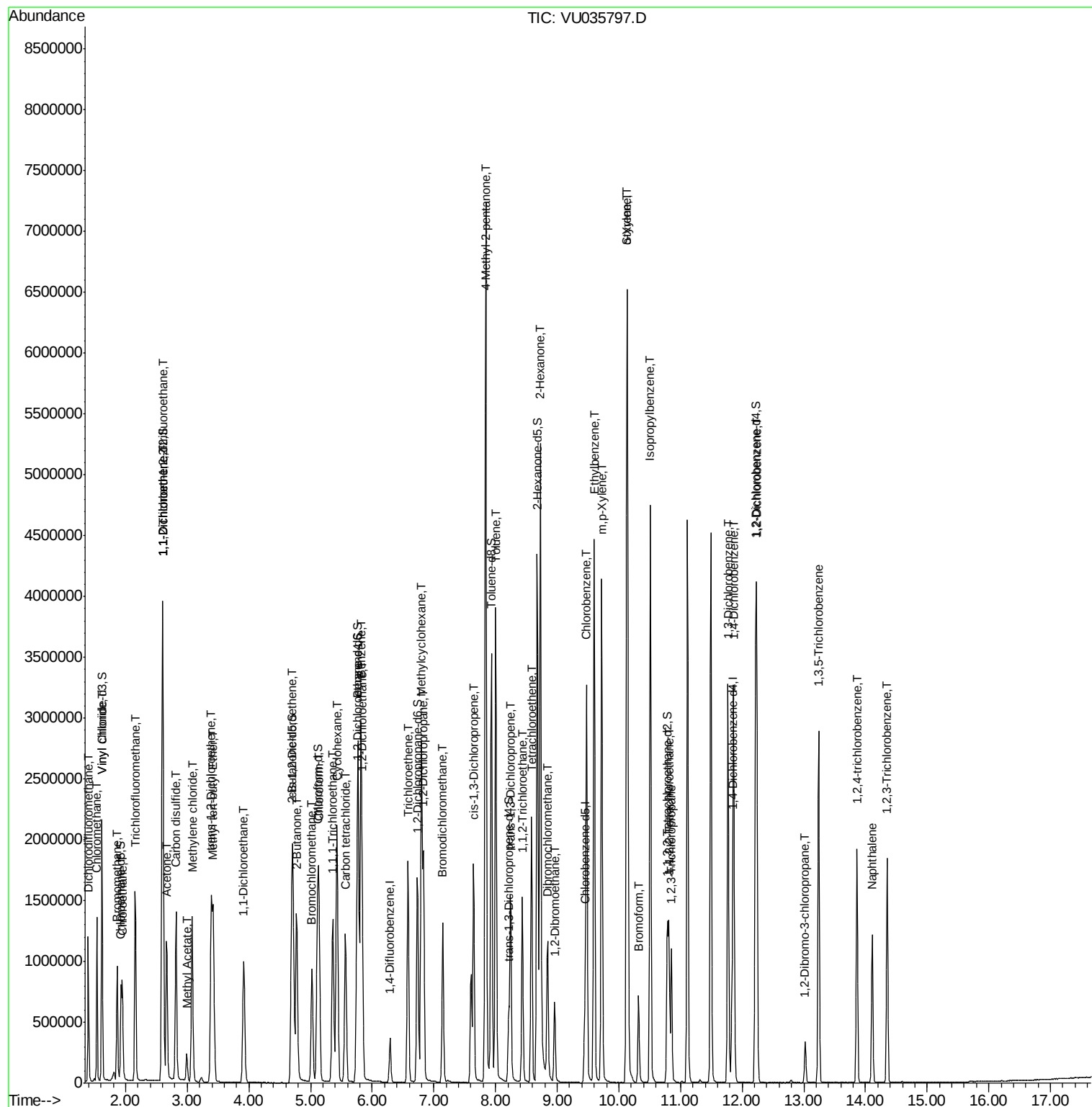
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	2760669	23.842	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	849208	25.545	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	456012	22.055	ug/L	98
47) Tetrachloroethene	8.58	164	458676	19.537	ug/L	98
48) 2-Hexanone	8.73	43	3497870	282.408	ug/L	94
49) Dibromochloromethane	8.84	129	551289	21.817	ug/L	97
50) 1,2-Dibromoethane	8.96	107	430289	22.064	ug/L	96
51) Chlorobenzene	9.48	112	1656212	22.312	ug/L	98
52) Ethylbenzene	9.60	91	3074755	25.483	ug/L	99
53) m,p-Xylene	9.72	106	1114838	24.689	ug/L	100
54) o-Xylene	10.13	106	1085201	24.932	ug/L	96
55) Styrene	10.14	104	1894158	26.084	ug/L	100
56) Isopropylbenzene	10.51	105	2934640	25.422	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	643637	23.658	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	465189	23.973	ug/L	99
61) Bromoform	10.32	173	317499	18.815	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	1285227	20.448	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	1262057	20.826	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	1201196	20.439	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	92387	23.643	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	870727	21.802	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	567753	23.655	ug/L	98
69) Naphthalene	14.11	128	916174	30.687	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	527811	22.776	ug/L	99

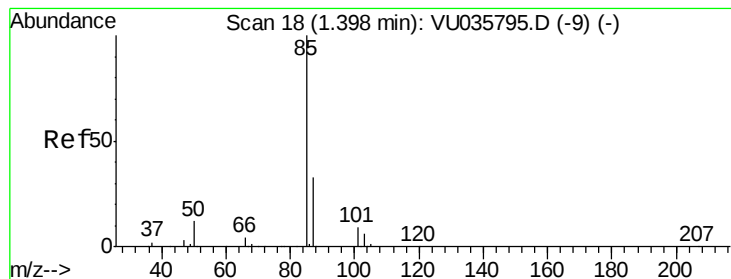
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.665 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

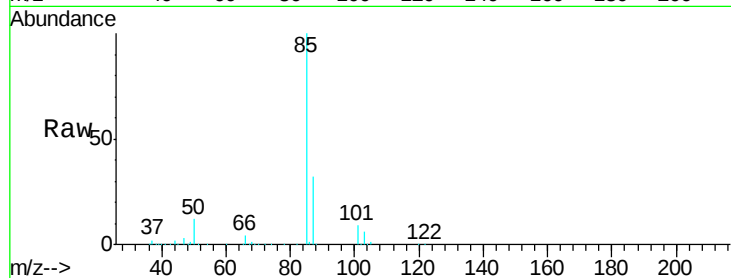
VSTD02001

Tgt Ion: 85 Resp: 718726

Ion Ratio Lower Upper

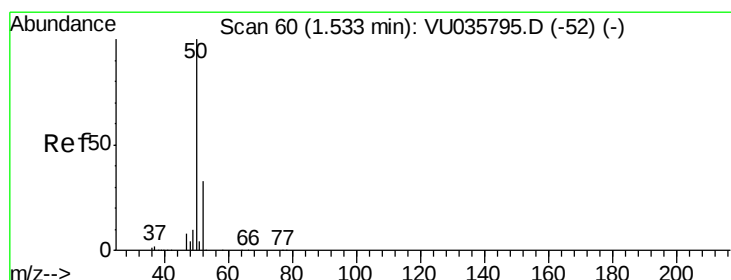
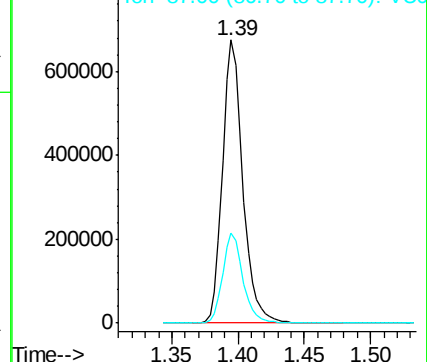
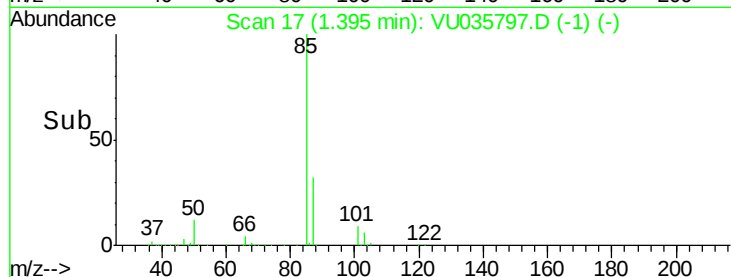
85 100

87 31.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035797.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035797.D (-1) (-)



#3

Chloromethane

Concen: 23.744 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035797.D

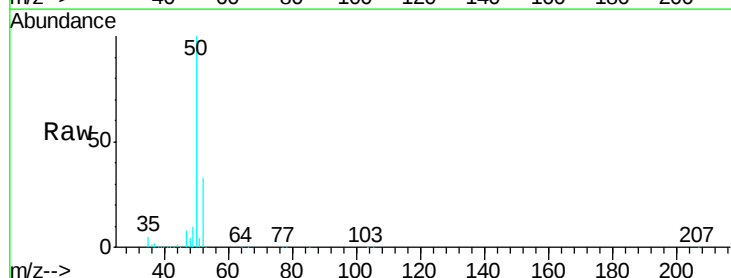
Acq: 21 Nov 2019 11:30

Tgt Ion: 50 Resp: 849702

Ion Ratio Lower Upper

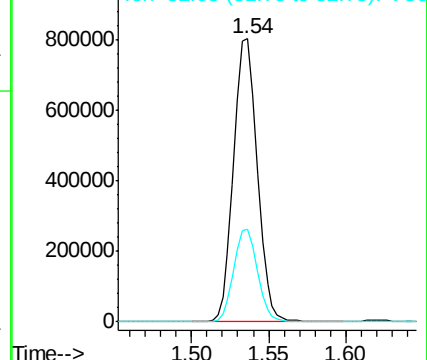
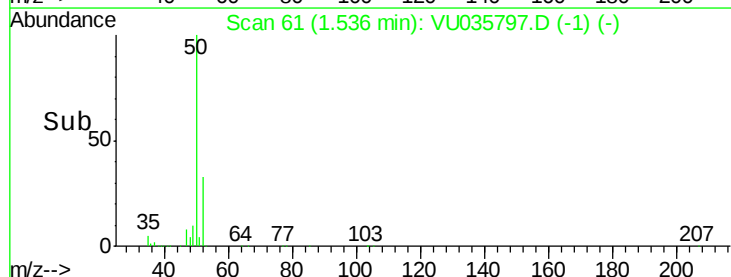
50 100

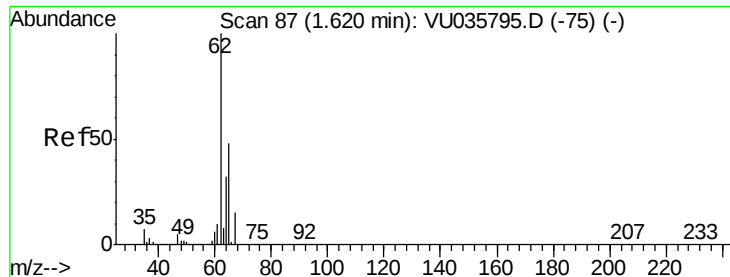
52 32.8 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035797.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035797.D (-1) (-)





#5

Vinyl chloride

Concen: 24.126 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

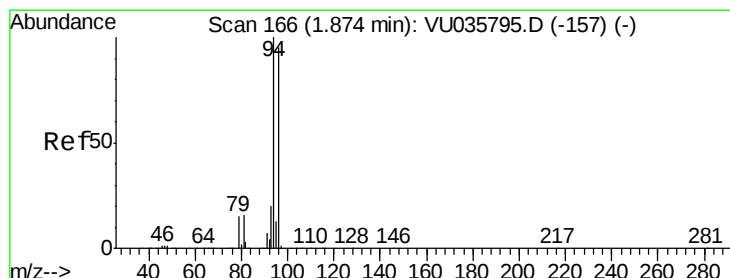
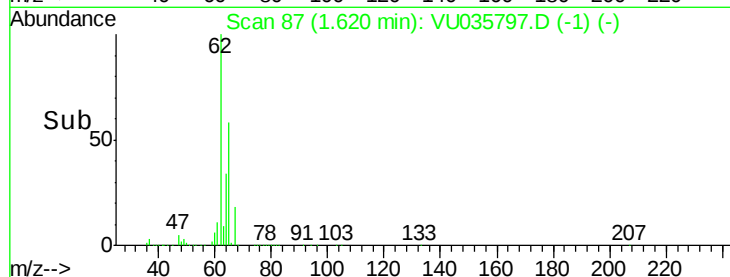
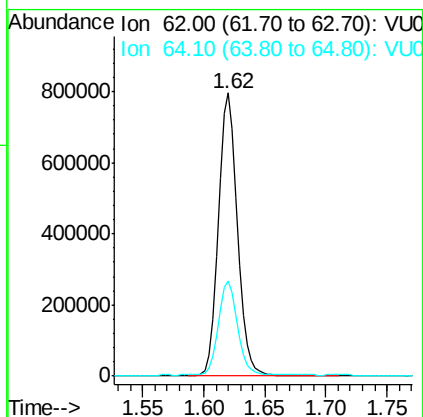
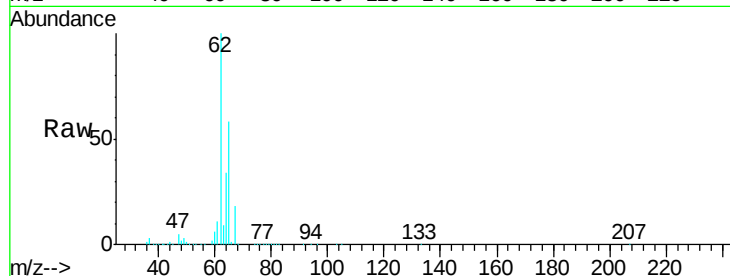
VSTD02001

Tgt Ion: 62 Resp: 878463

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.9



#6

Bromomethane

Concen: 22.044 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU035797.D

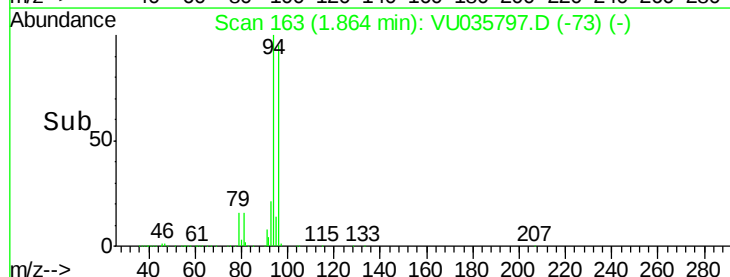
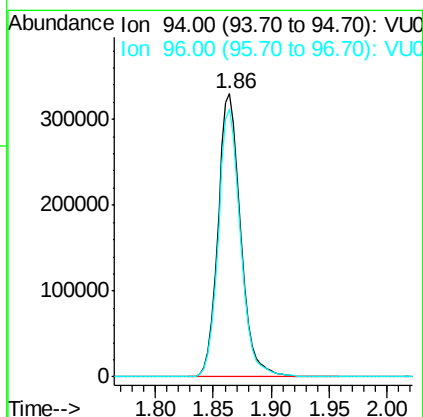
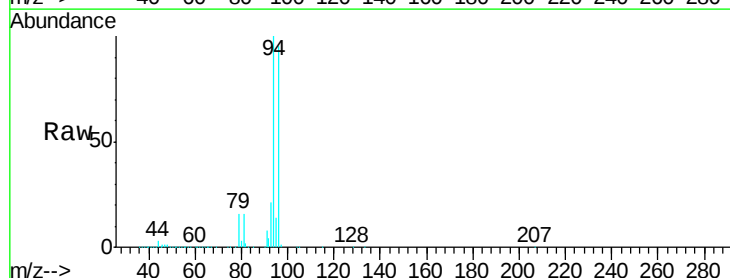
Acq: 21 Nov 2019 11:30

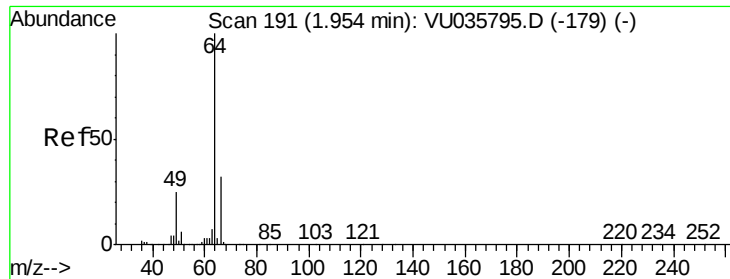
Tgt Ion: 94 Resp: 446610

Ion Ratio Lower Upper

94 100

96 94.7 66.5 123.5





#8

Chloroethane

Concen: 24.089 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

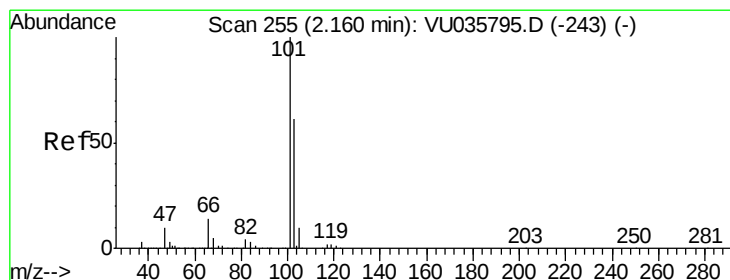
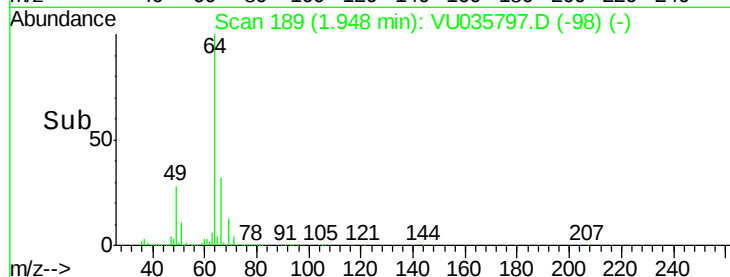
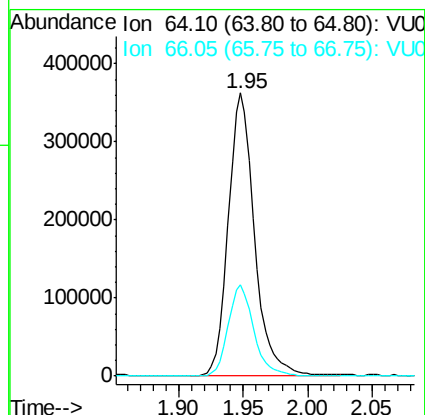
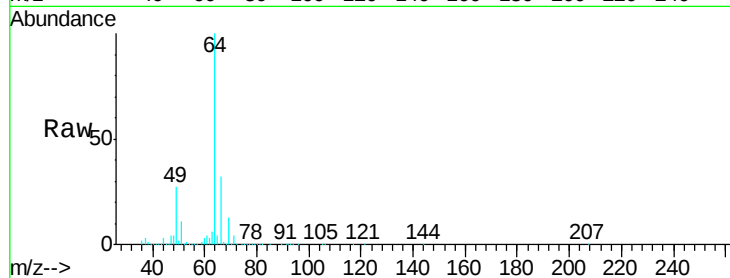
VSTD02001

Tgt Ion: 64 Resp: 504795

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.5



#9

Trichlorofluoromethane

Concen: 22.648 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035797.D

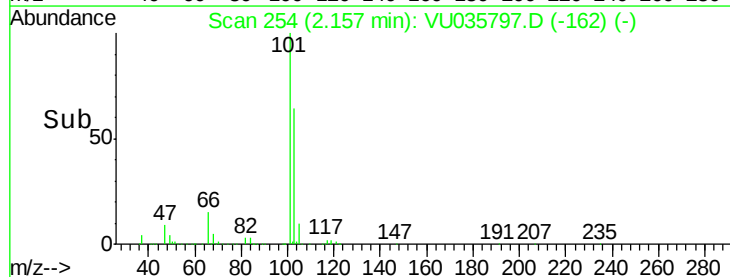
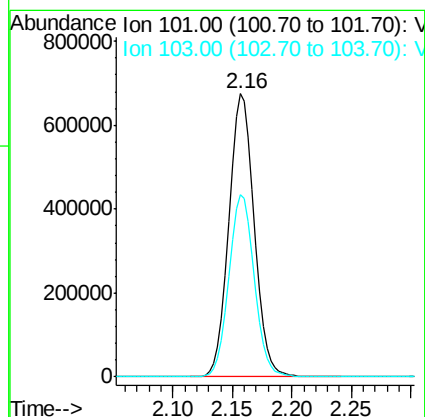
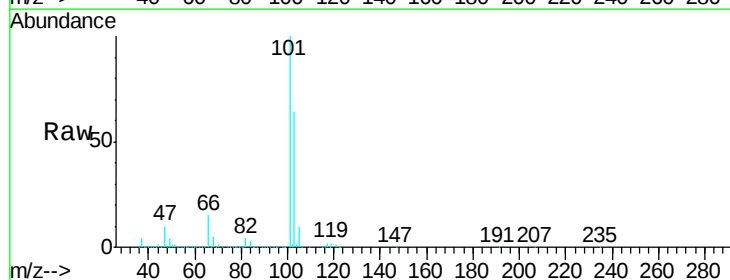
Acq: 21 Nov 2019 11:30

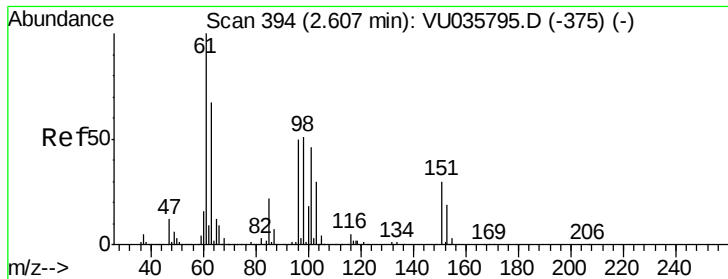
Tgt Ion: 101 Resp: 997509

Ion Ratio Lower Upper

101 100

103 64.5 49.8 74.6





#10

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

Concen: 21.587 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

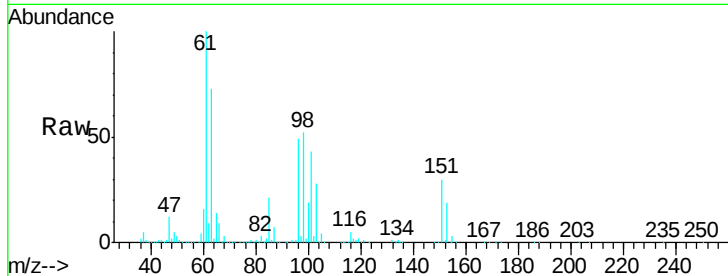
Tgt Ion: 101 Resp: 555369

Ion Ratio Lower Upper

101 100

85 47.7 38.1 57.1

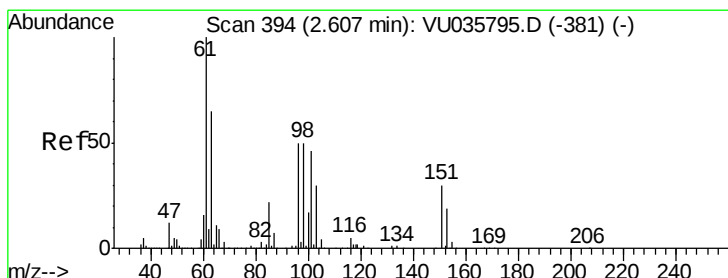
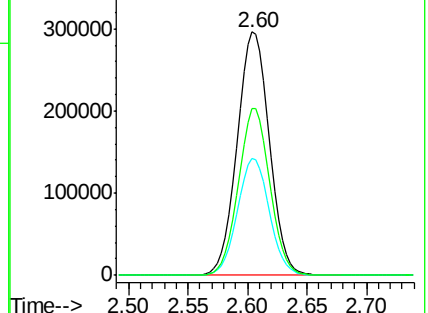
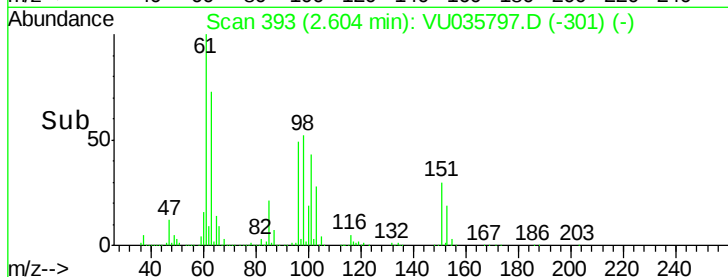
151 67.2 52.0 78.0



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: 21.715 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

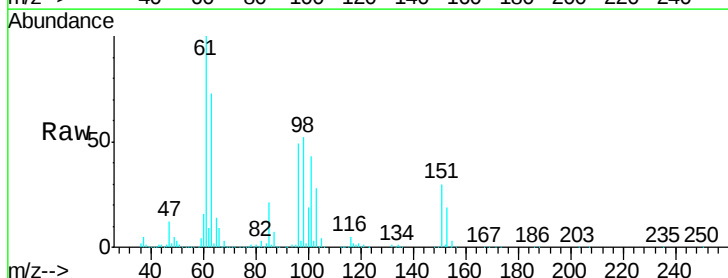
Tgt Ion: 96 Resp: 533809

Ion Ratio Lower Upper

96 100

61 205.9 139.3 258.7

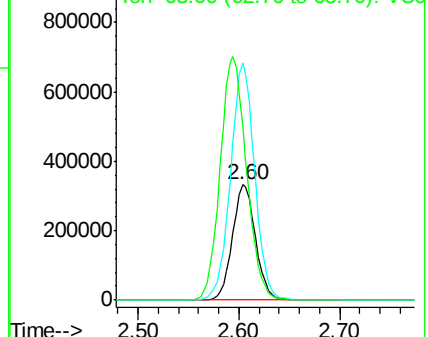
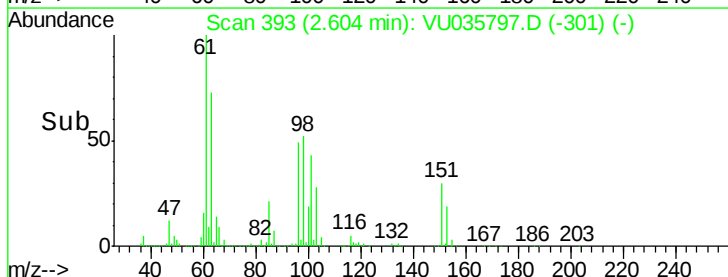
63 150.9 93.7 174.1

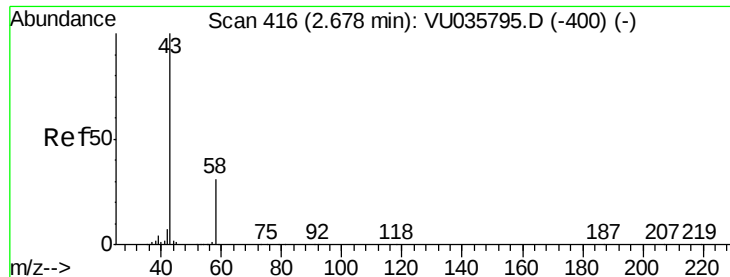


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 254.321 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU035797.D

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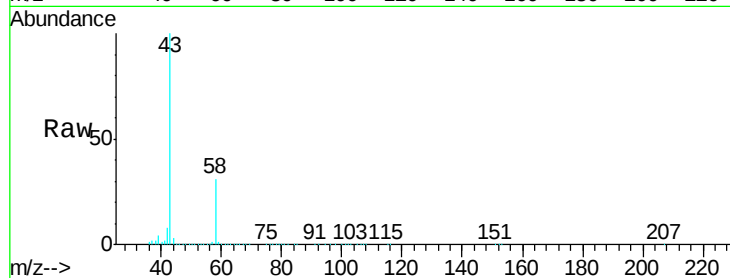
VSTD02001

Tgt Ion: 43 Resp: 1247913

Ion Ratio Lower Upper

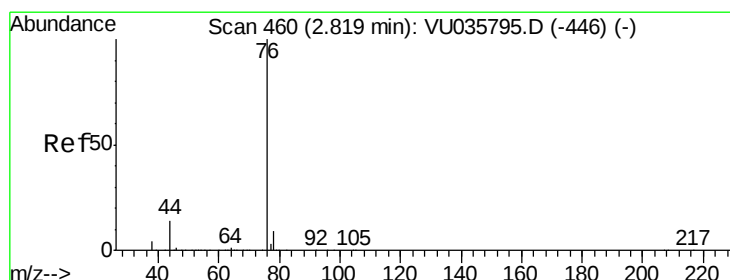
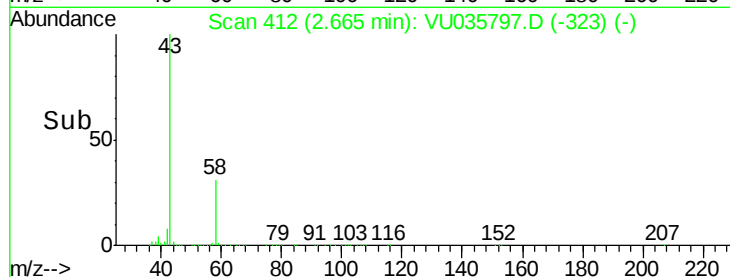
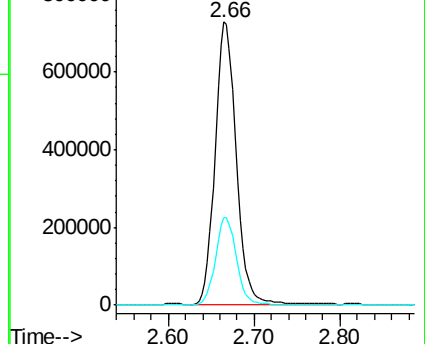
43 100

58 31.1 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035797.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035797.D (-323) (-)



#14

Carbon disulfide

Concen: 22.043 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035797.D

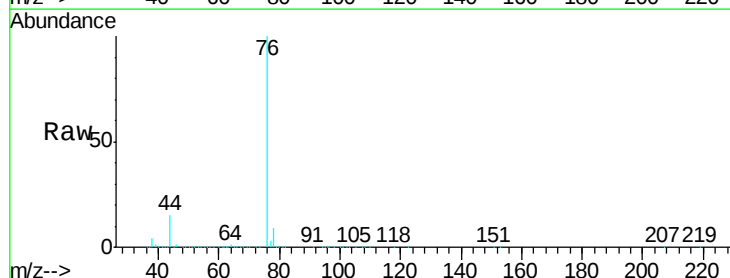
Acq: 21 Nov 2019 11:30

Tgt Ion: 76 Resp: 1762462

Ion Ratio Lower Upper

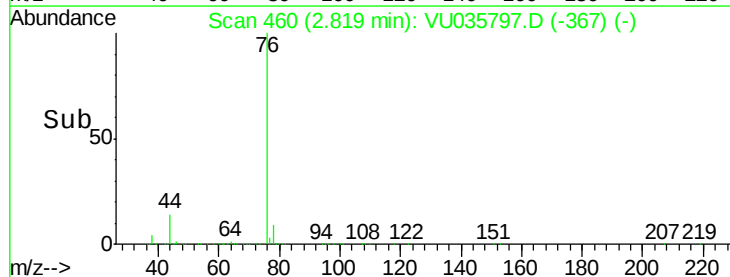
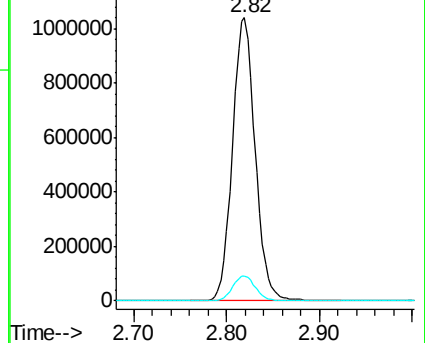
76 100

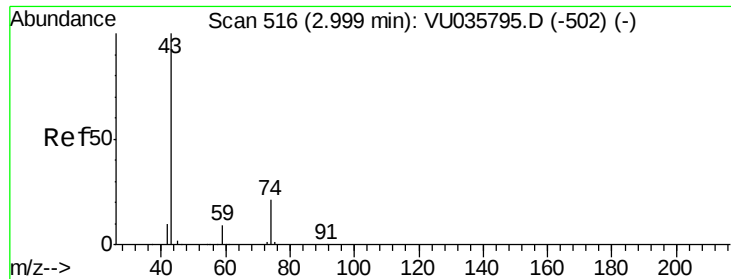
78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035797.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035797.D (-367) (-)





#15

Methyl Acetate

Concen: 25.380 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampled :

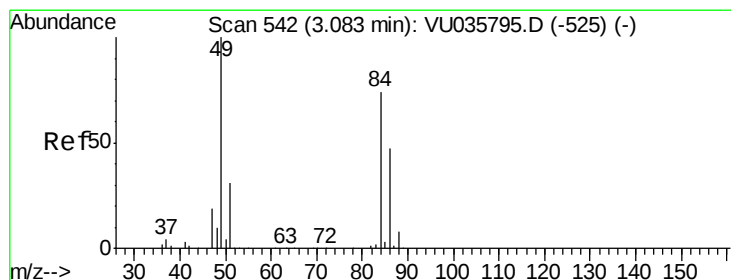
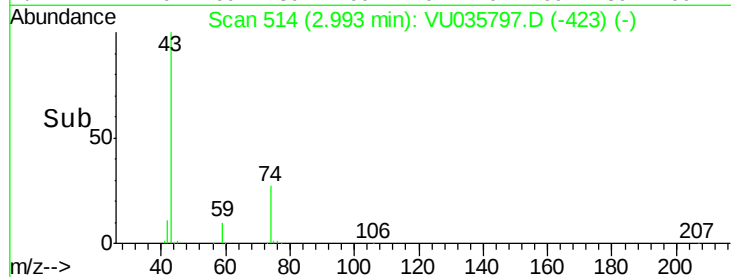
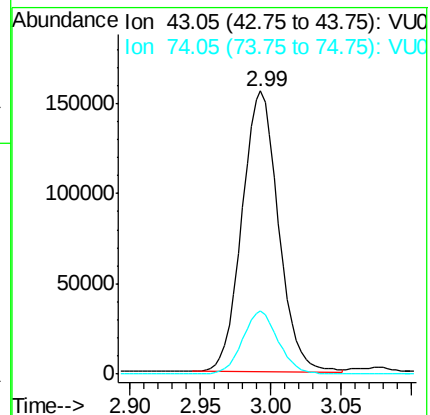
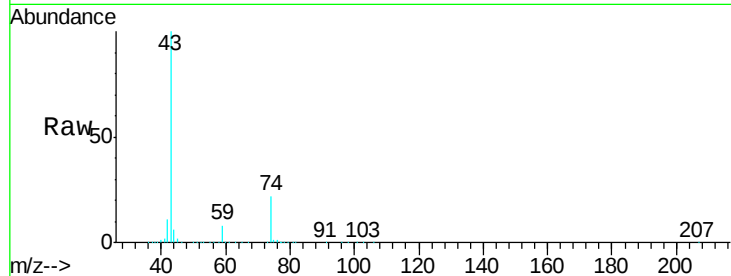
VSTD02001

Tgt Ion: 43 Resp: 281679

Ion Ratio Lower Upper

43 100

74 22.2 18.2 27.4



#16

Methylene chloride

Concen: 20.886 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

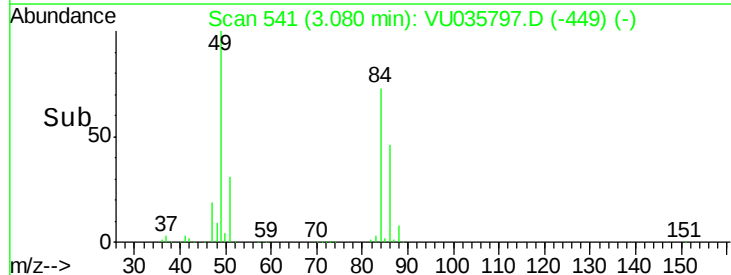
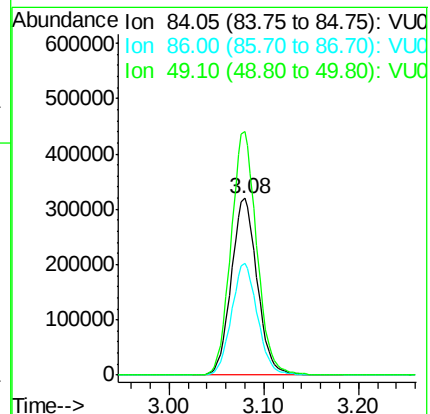
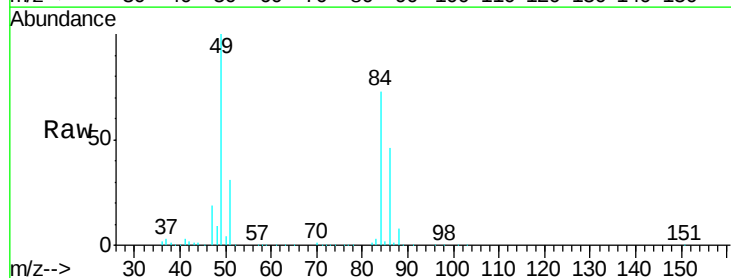
Tgt Ion: 84 Resp: 608986

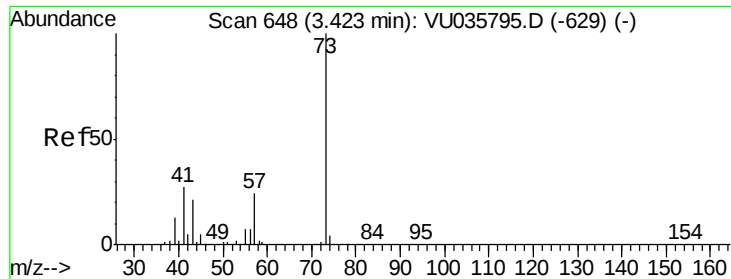
Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5

49 137.6 94.0 174.6



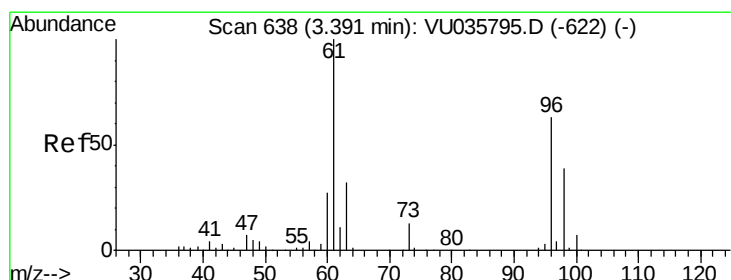
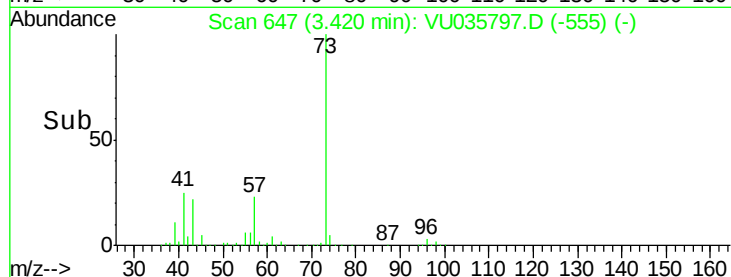
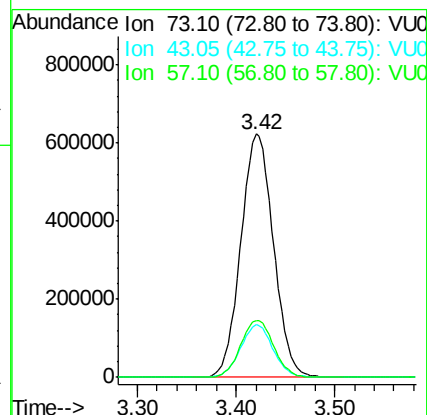
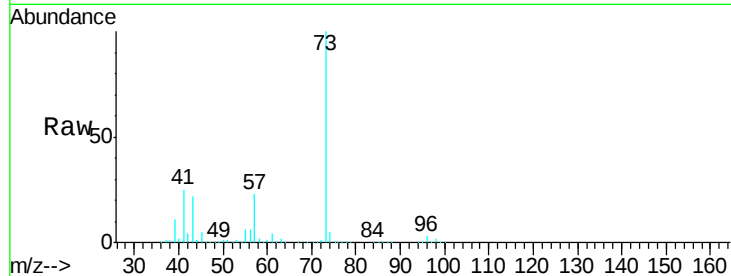


#17
Methyl tert-butyl Ether
Concen: 24.596 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 73 Resp: 1428432

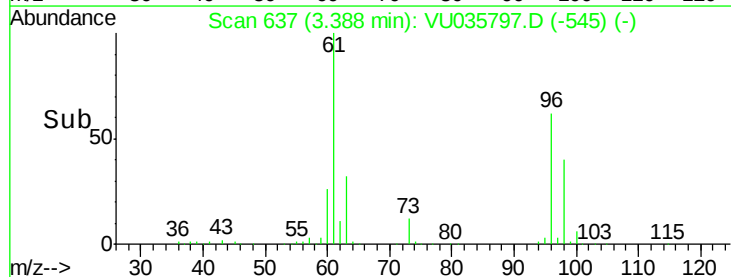
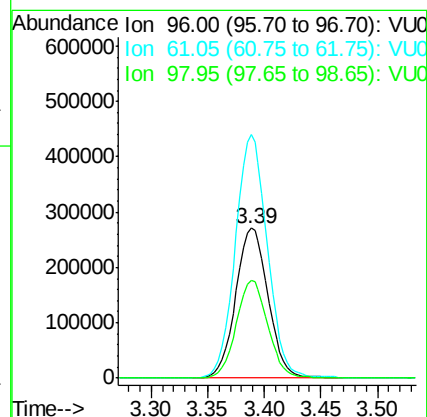
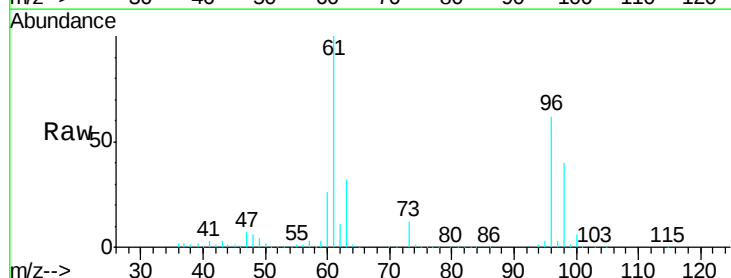
Ion	Ratio	Lower	Upper
73	100		
43	21.3	17.4	26.2
57	23.8	19.4	29.0

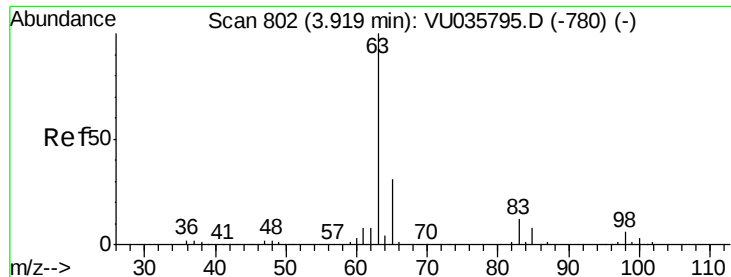


#18
trans-1,2-Dichloroethene
Concen: 21.548 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Tgt Ion: 96 Resp: 540635

Ion	Ratio	Lower	Upper
96	100		
61	162.4	111.1	206.3
98	65.4	43.1	80.1





#19

1,1-Dichloroethane

Concen: 24.193 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

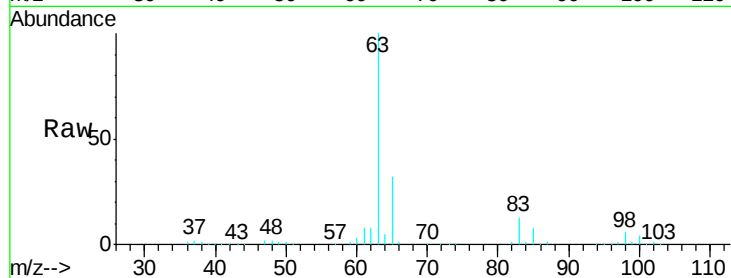
Tgt Ion: 63 Resp: 1177425

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.4

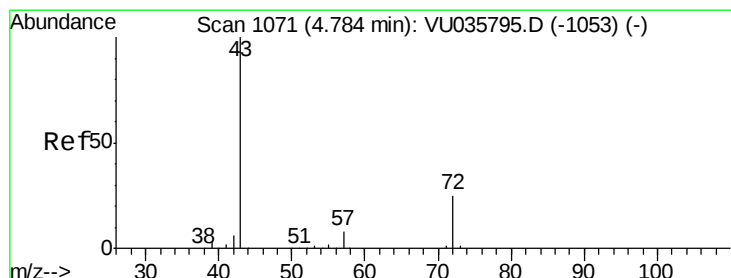
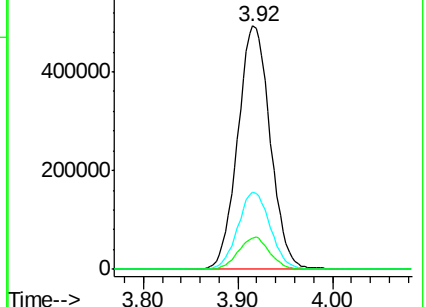
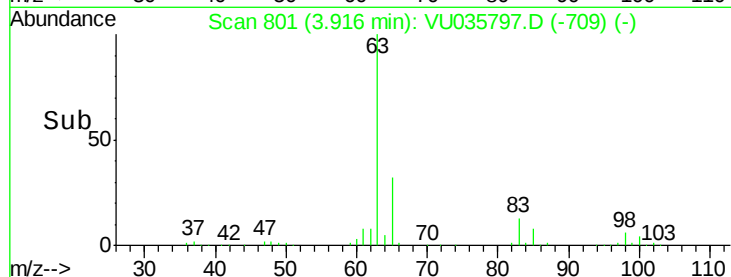
83 12.9 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035795.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU035795.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU035795.D (-780) (-)



#21

2-Butanone

Concen: 272.828 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VU035797.D

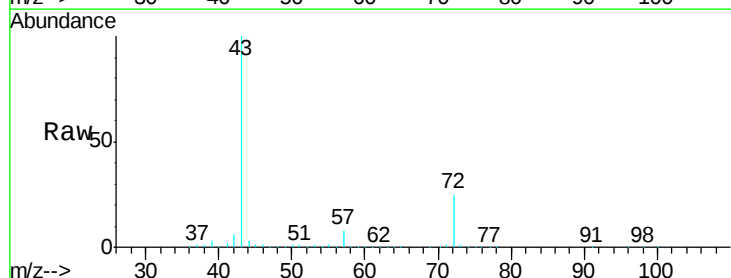
Acq: 21 Nov 2019 11:30

Tgt Ion: 43 Resp: 1919709

Ion Ratio Lower Upper

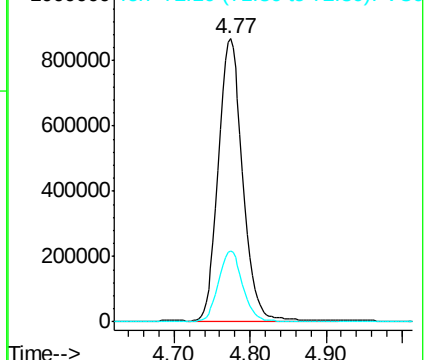
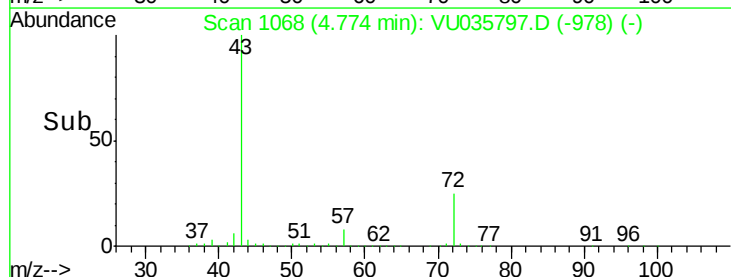
43 100

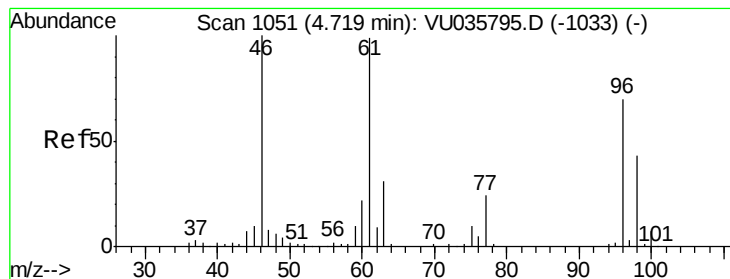
72 24.6 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035795.D (-1053) (-)

Ion 72.10 (71.80 to 72.80): VU035795.D (-1053) (-)





#22

cis-1,2-Dichloroethene

Concen: 22.962 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

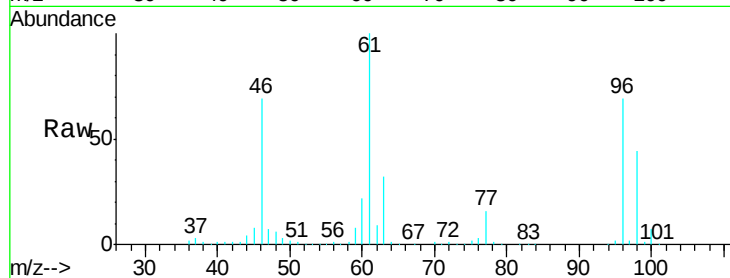
Tgt Ion: 96 Resp: 636561

Ion Ratio Lower Upper

96 100

61 145.9 98.1 182.1

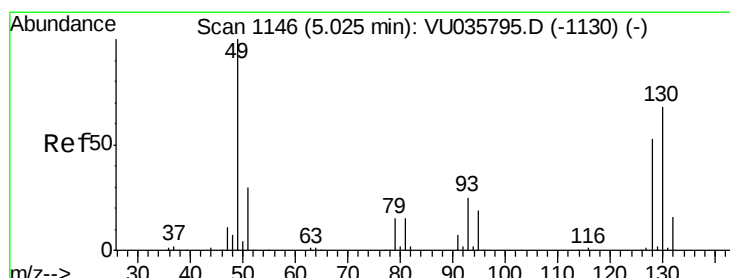
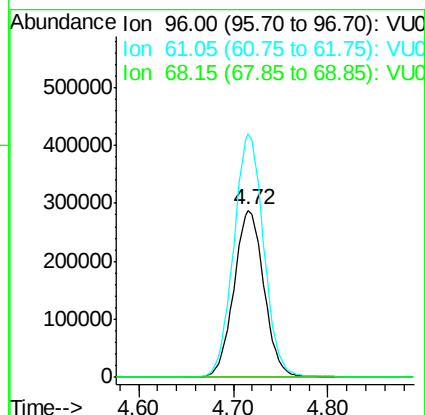
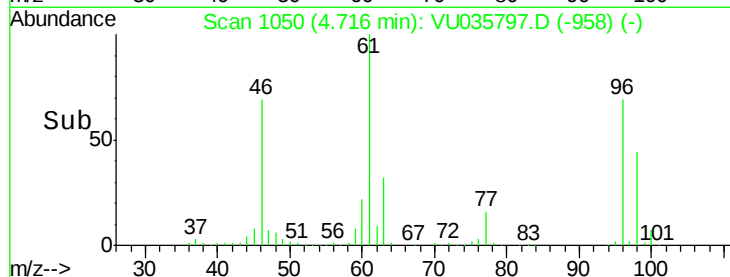
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035797.D (-1050) (-)

Ion 61.05 (60.75 to 61.75): VU035797.D (-1050) (-)

Ion 68.15 (67.85 to 68.85): VU035797.D (-1050) (-)



#23

Bromochloromethane

Concen: 20.319 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Tgt Ion: 128 Resp: 263972

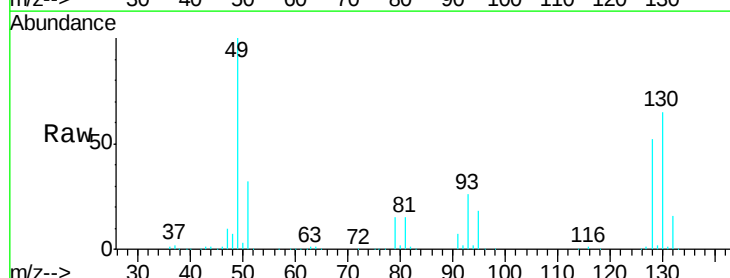
Ion Ratio Lower Upper

128 100

49 193.3 133.8 248.6

130 125.8 91.1 169.1

51 62.5 46.5 69.7

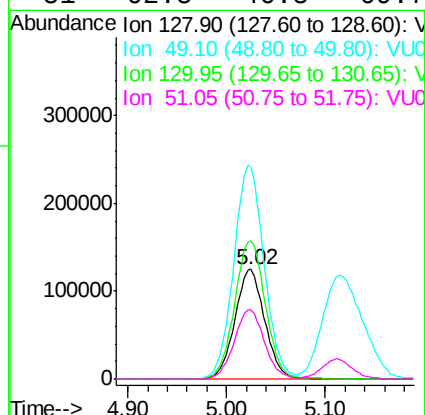
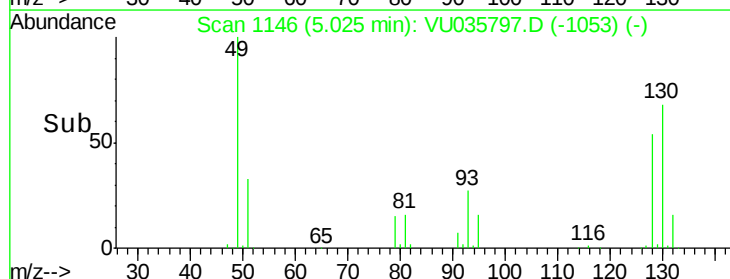


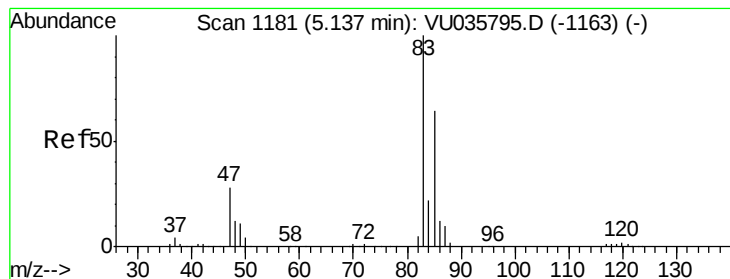
Abundance Ion 127.90 (127.60 to 128.60): VU035797.D (-1146) (-)

Ion 49.10 (48.80 to 49.80): VU035797.D (-1146) (-)

Ion 129.95 (129.65 to 130.65): VU035797.D (-1146) (-)

Ion 51.05 (50.75 to 51.75): VU035797.D (-1146) (-)





#25

Chloroform

Concen: 22.260 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

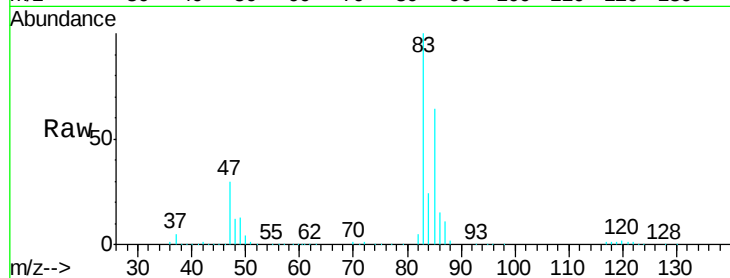
VSTD02001

Tgt Ion: 83 Resp: 1162434

Ion Ratio Lower Upper

83 100

85 64.1 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035795.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035797.D (-1088) (-)

5.14

600000

500000

400000

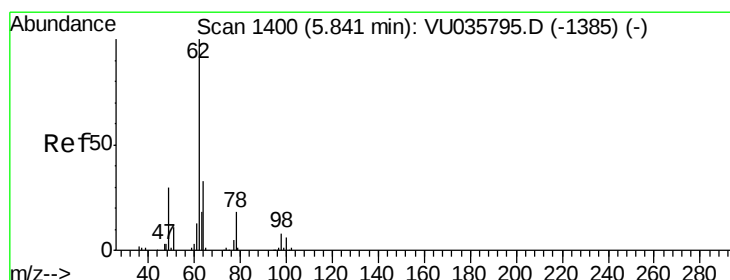
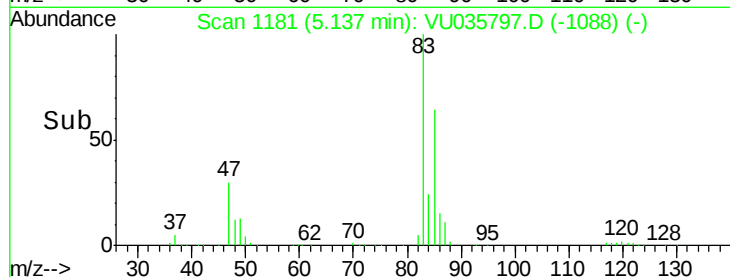
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 25.690 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU035797.D

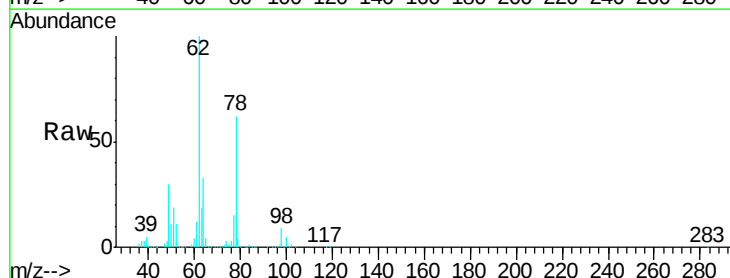
Acq: 21 Nov 2019 11:30

Tgt Ion: 62 Resp: 766366

Ion Ratio Lower Upper

62 100

98 8.6 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU035795.D (-1385) (-)

Ion 98.05 (97.75 to 98.75): VU035797.D (-1307) (-)

5.84

400000

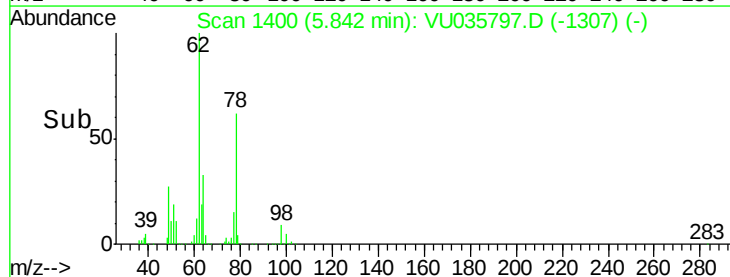
300000

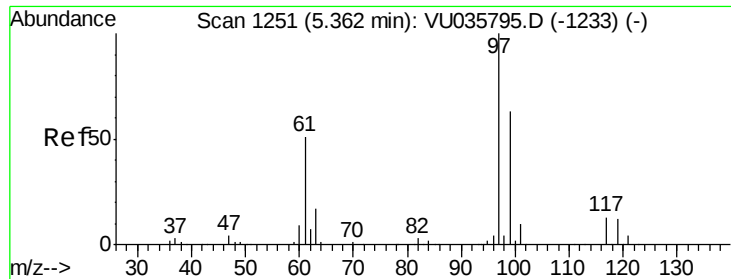
200000

100000

0

Time-->

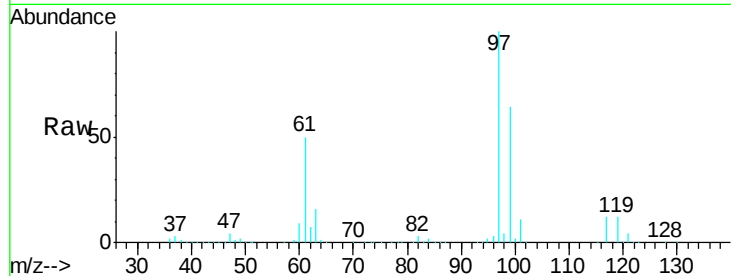




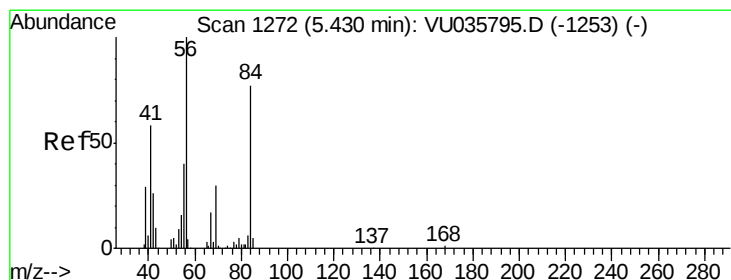
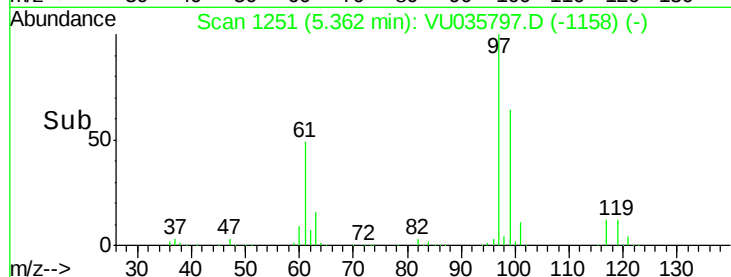
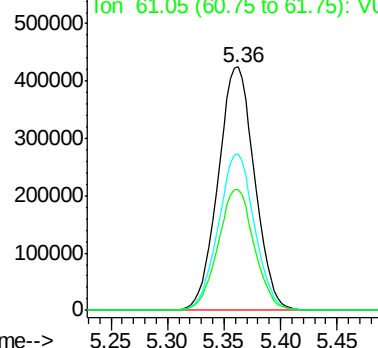
#29
 1,1,1-Trichloroethane
 Concen: 23.134 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion: 97 Resp: 954402
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.9 77.9
 61 49.3 40.3 60.5

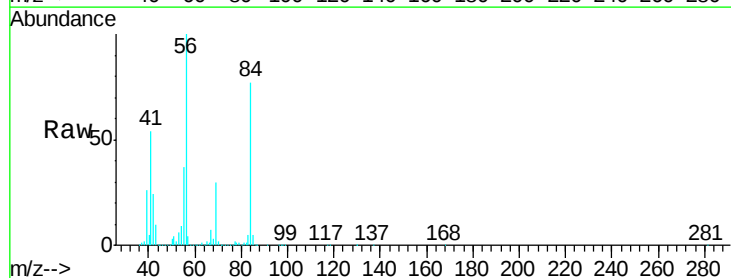


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

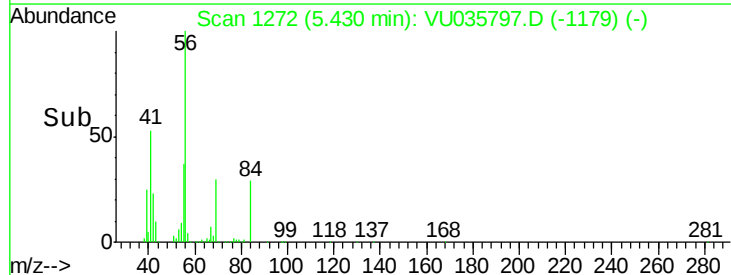
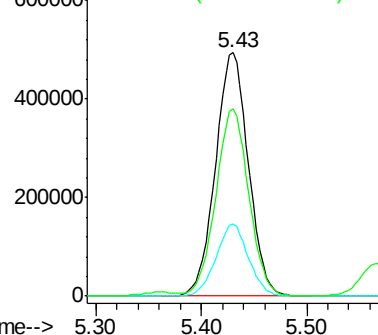


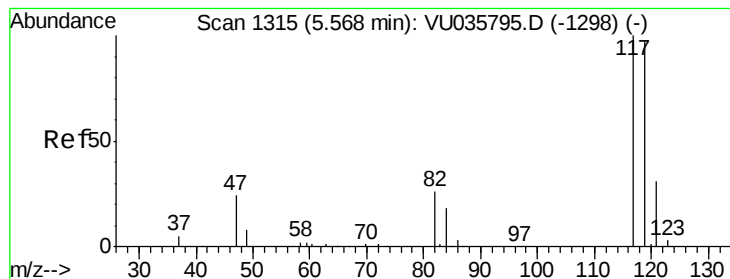
#30
 Cyclohexane
 Concen: 25.952 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Tgt Ion: 56 Resp: 1070794
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.0 36.0
 84 76.8 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: 22.267 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

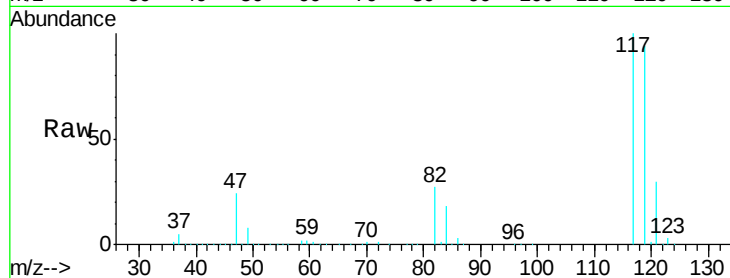
VSTD02001

Tgt Ion:117 Resp: 819855

Ion Ratio Lower Upper

117 100

119 95.3 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

400000

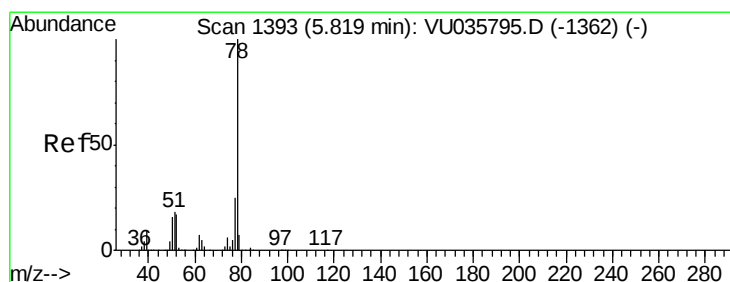
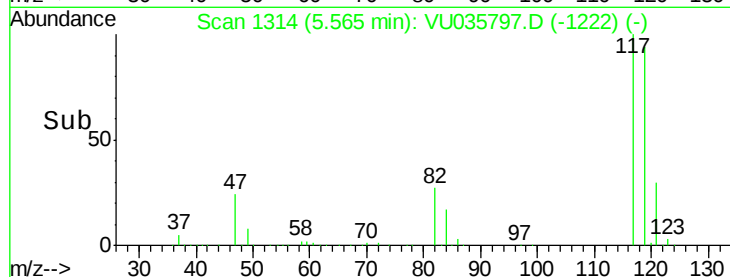
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 22.846 ug/L

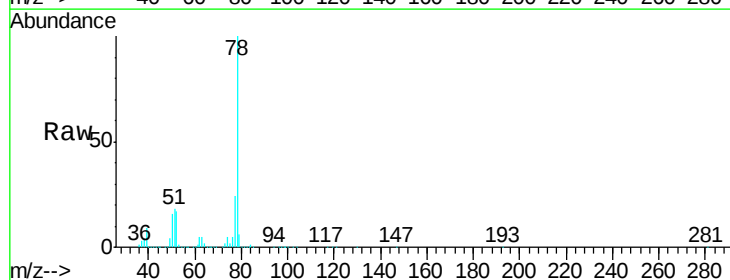
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Tgt Ion: 78 Resp: 2525163



Abundance Ion 78.10 (77.80 to 78.80): VU0

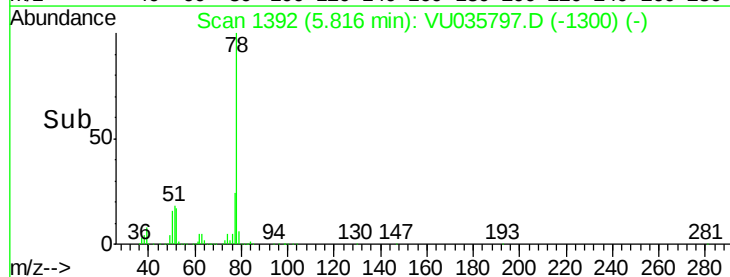
1500000

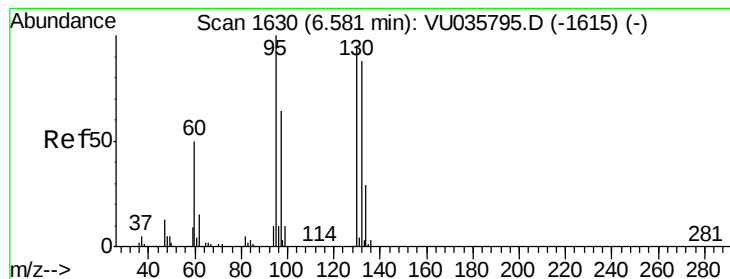
1000000

500000

0

Time-->





#34

Trichloroethene

Concen: 22.262 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 95 Resp: 620836

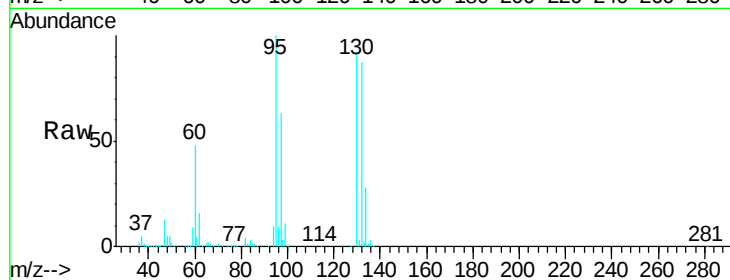
Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.9

132 86.7 61.9 114.9

130 92.1 66.3 123.1

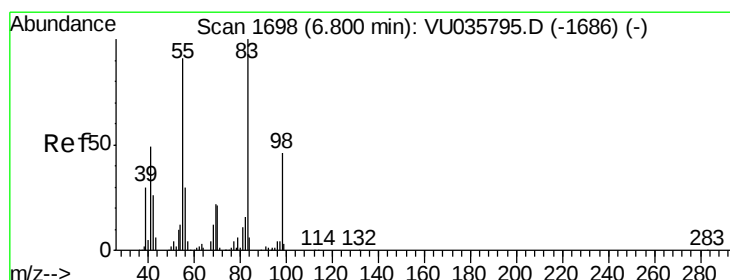
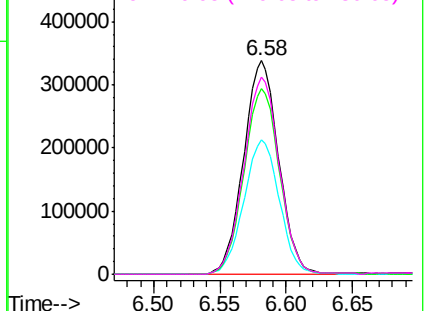
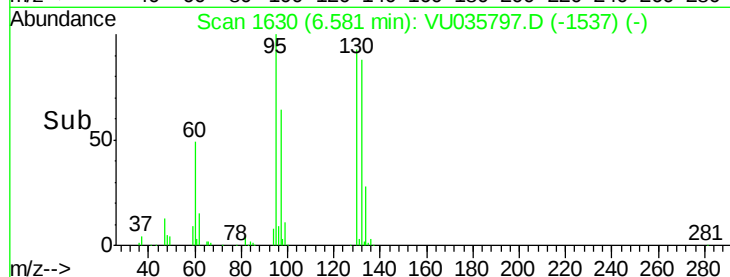


Abundance Ion 95.00 (94.70 to 95.70): VU035797.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035797.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035797.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035797.D (-1615) (-)



#35

Methylcyclohexane

Concen: 24.720 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

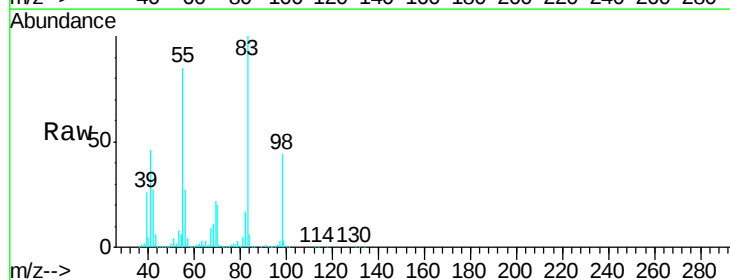
Tgt Ion: 83 Resp: 1033775

Ion Ratio Lower Upper

83 100

55 85.6 72.7 109.1

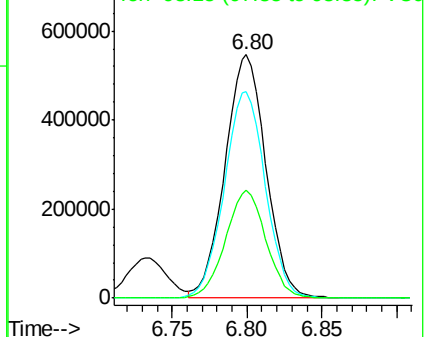
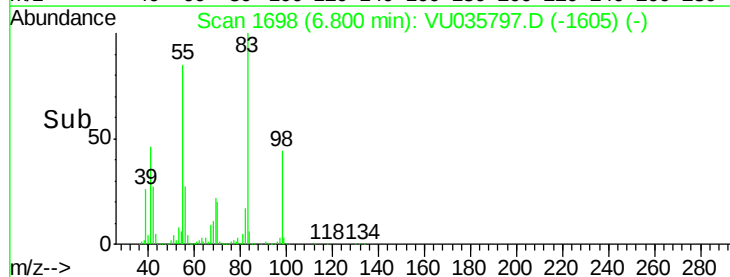
98 43.9 36.2 54.4

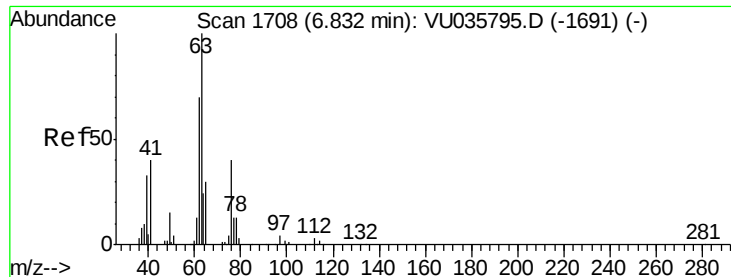


Abundance Ion 83.15 (82.85 to 83.85): VU035797.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035797.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035797.D (-1686) (-)





#37

1,2-Dichloropropane

Concen: 23.887 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

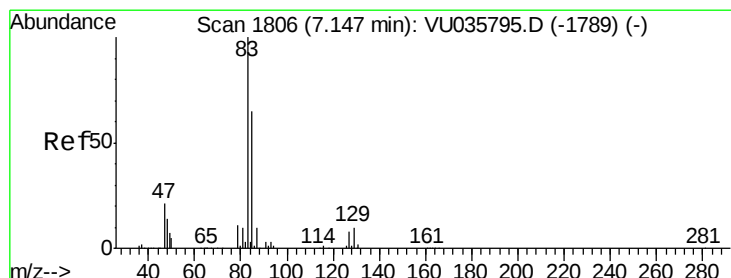
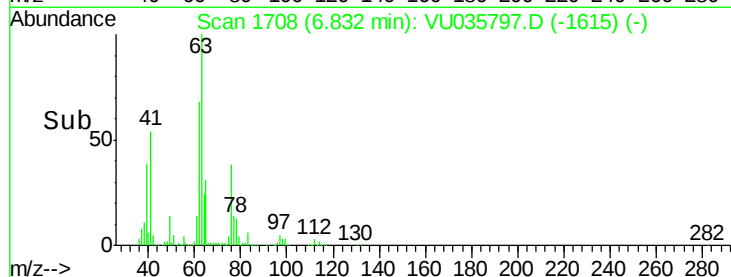
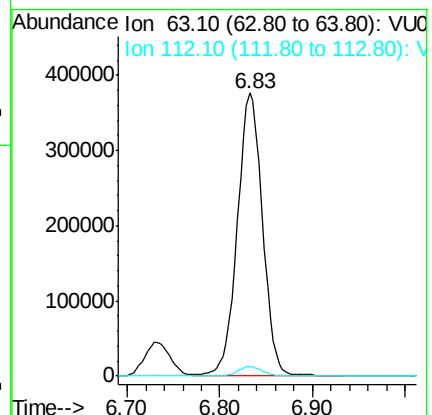
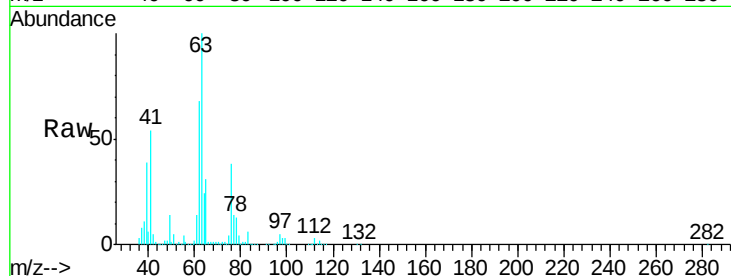
VSTD02001

Tgt Ion: 63 Resp: 704803

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



#38

Bromodichloromethane

Concen: 23.627 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

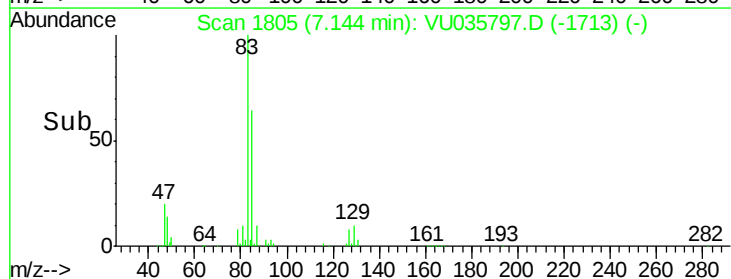
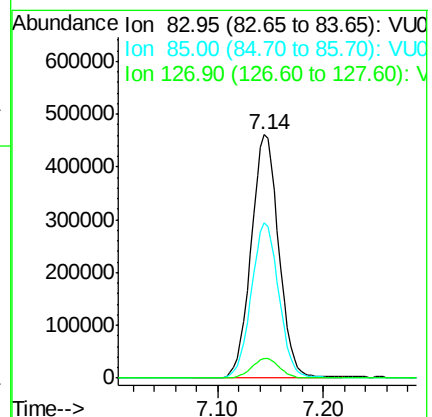
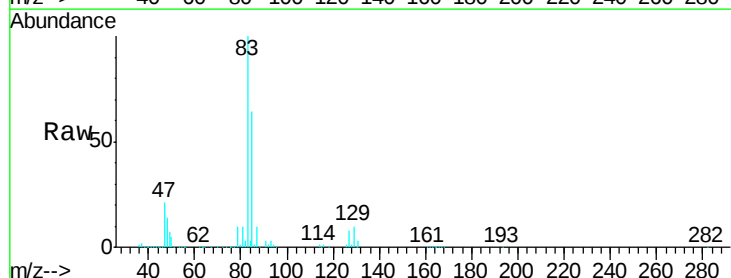
Tgt Ion: 83 Resp: 841648

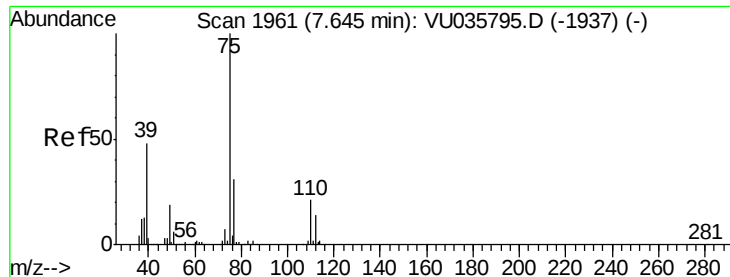
Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.8

127 8.1 6.0 9.0



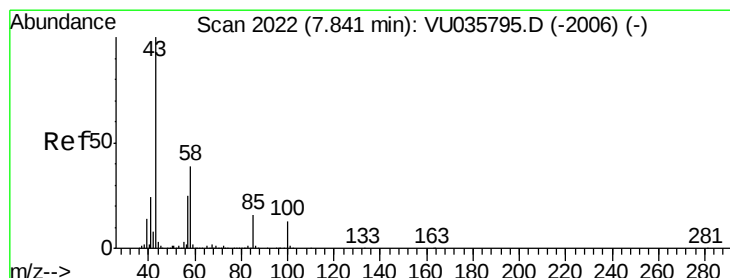
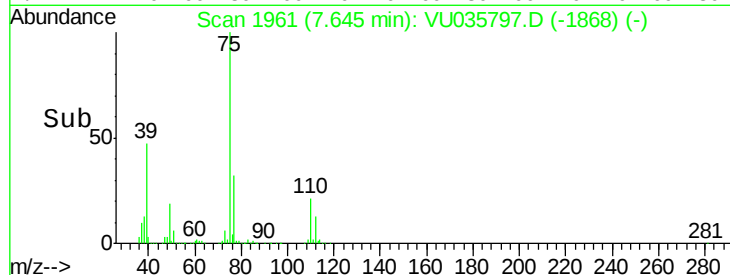
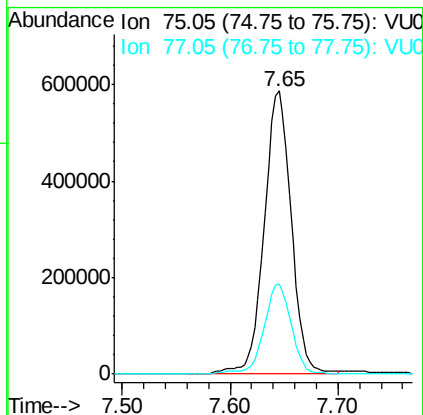
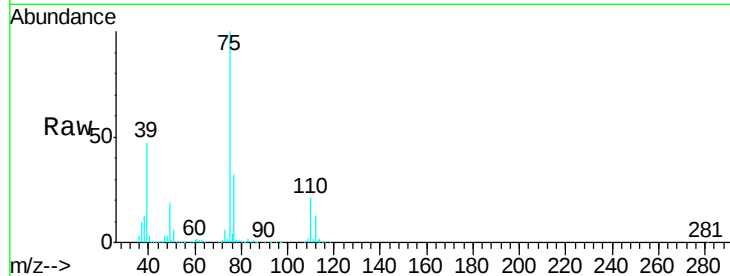


#39

cis-1,3-Dichloropropene
 Concen: 24.779 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

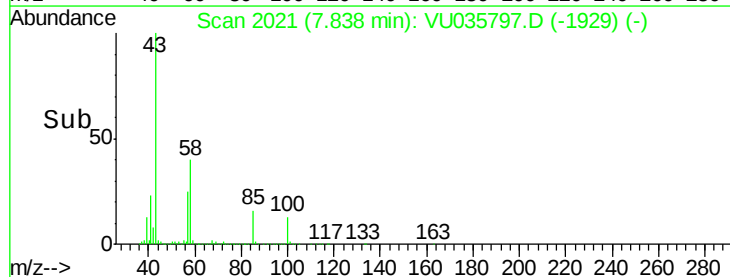
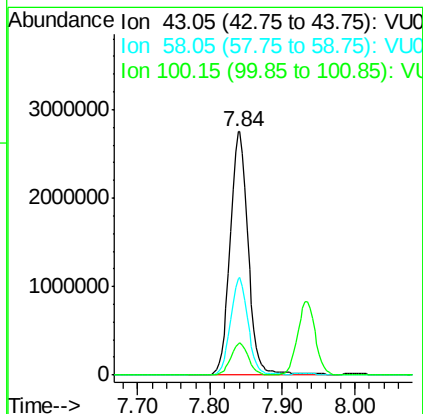
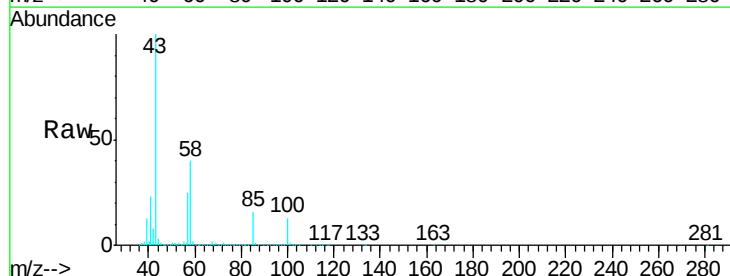
Tgt Ion: 75 Resp: 1023948
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

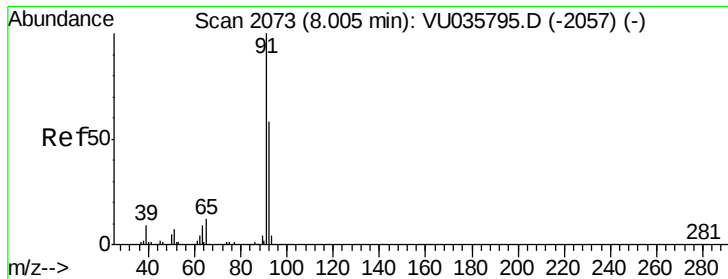


#40

4-Methyl-2-pentanone
 Concen: 278.760 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Tgt Ion: 43 Resp: 4803640
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.8 46.2
 100 12.8 10.0 15.0





#42

Toluene

Concen: 23.842 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

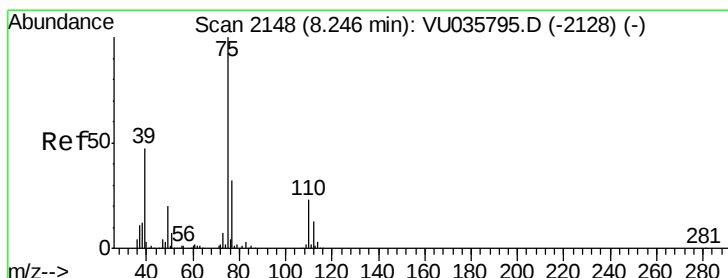
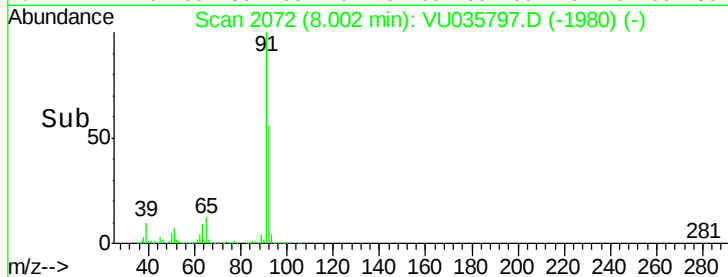
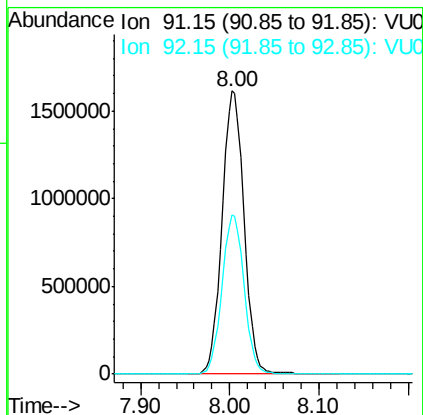
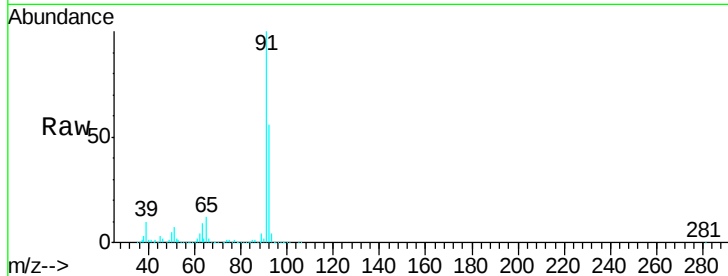
VSTD02001

Tgt Ion: 91 Resp: 2760669

Ion Ratio Lower Upper

91 100

92 56.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 25.545 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035797.D

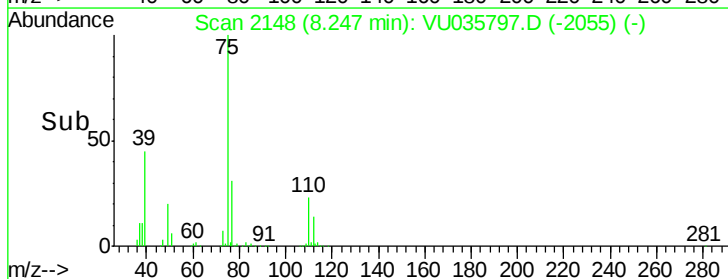
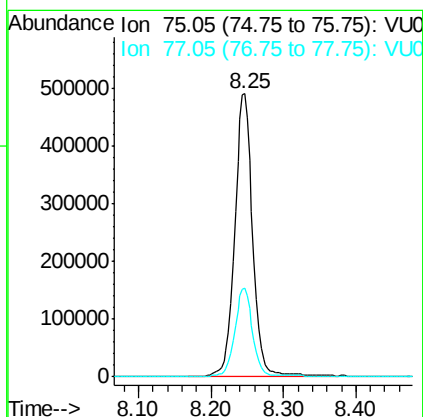
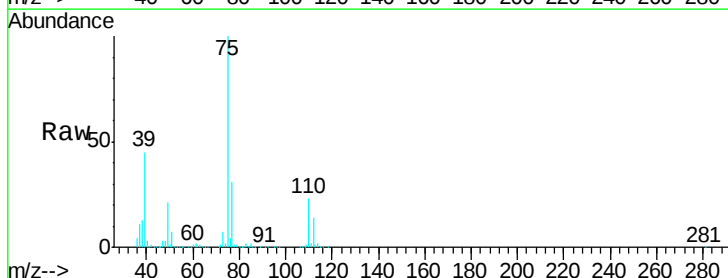
Acq: 21 Nov 2019 11:30

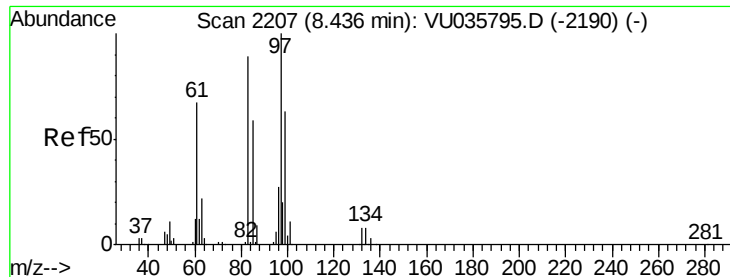
Tgt Ion: 75 Resp: 849208

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

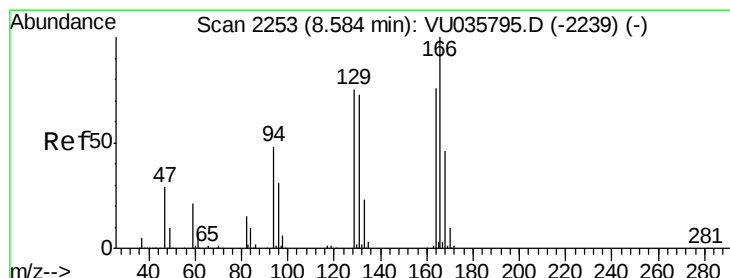
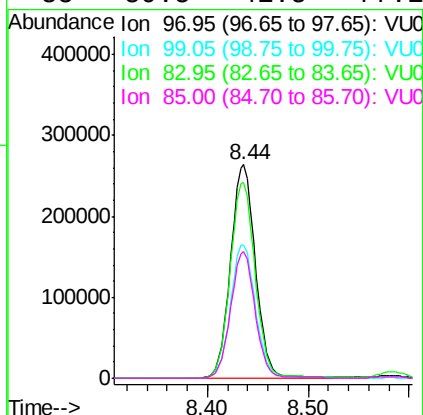
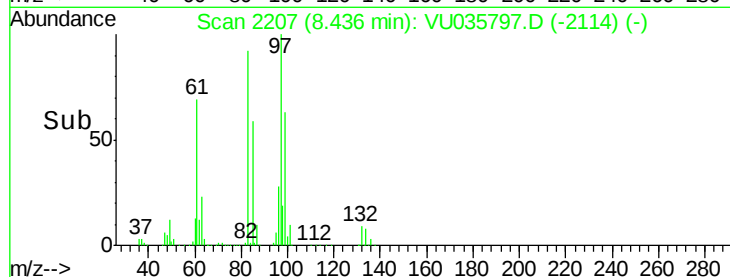
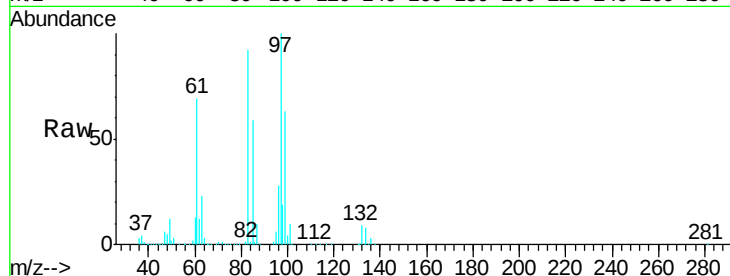




#45
 1,1,2-Trichloroethane
 Concen: 22.055 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

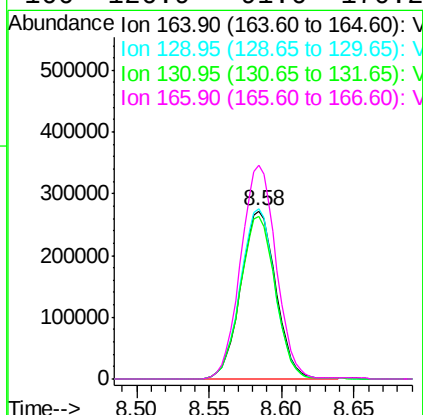
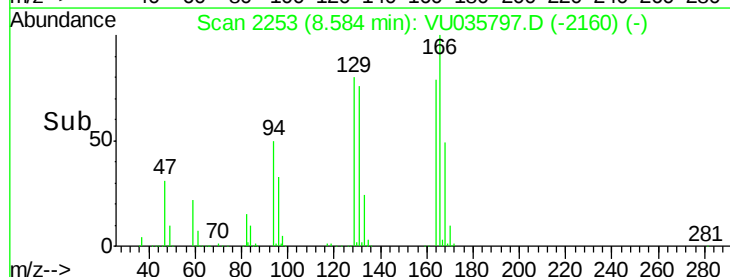
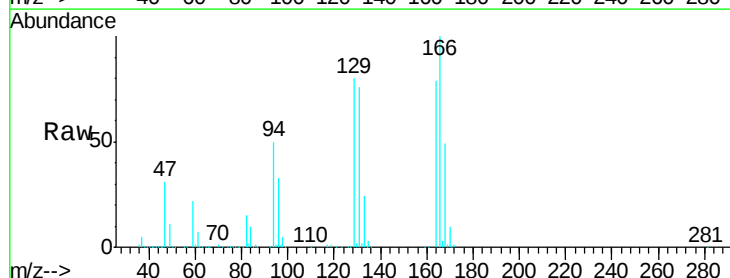
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

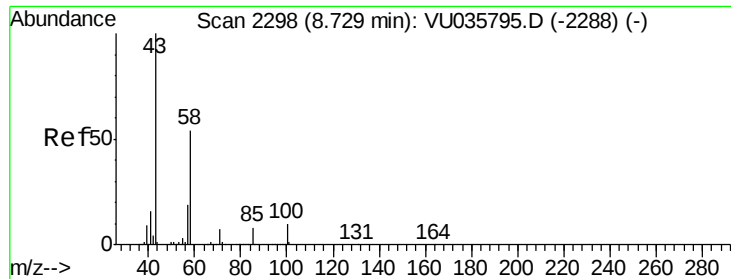
Tgt Ion:	97	Resp:	456012
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.0
83	91.9	62.2	115.6
85	59.5	41.5	77.1



#47
 Tetrachloroethene
 Concen: 19.537 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Tgt Ion:	164	Resp:	458676
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.8	127.8
131	96.3	67.3	124.9
166	126.9	91.6	170.2

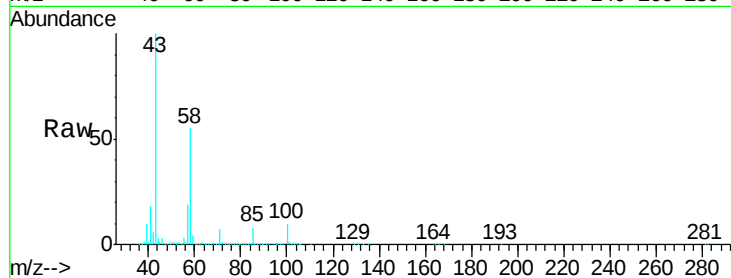




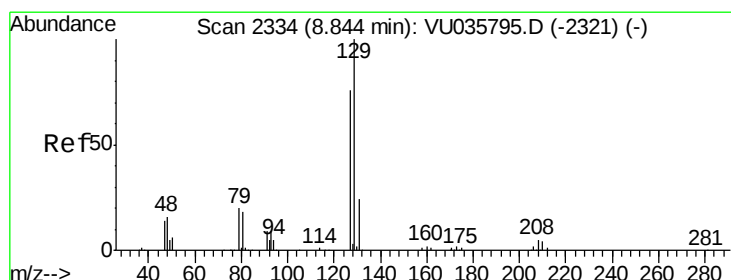
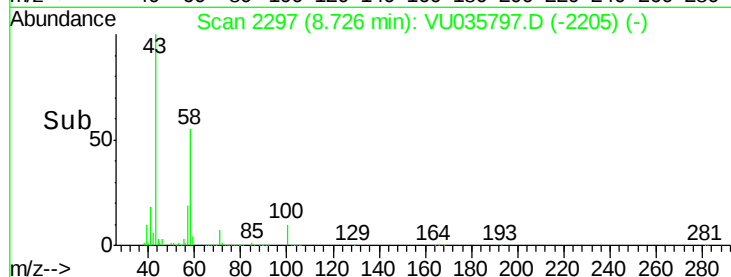
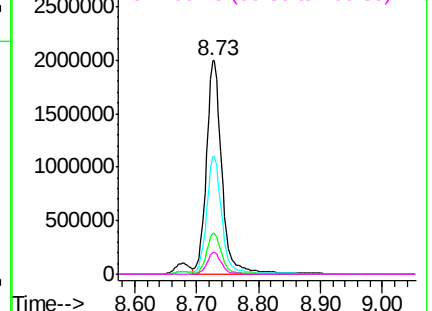
#48
2-Hexanone
Concen: 282.408 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion: 43 Resp: 3497870
Ion Ratio Lower Upper
43 100
58 54.9 39.8 59.8
57 18.7 14.0 21.0
100 9.8 7.2 10.8

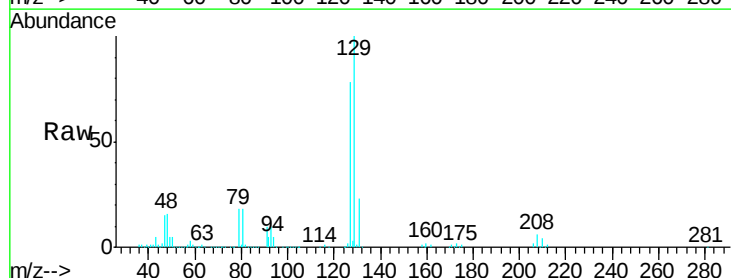


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

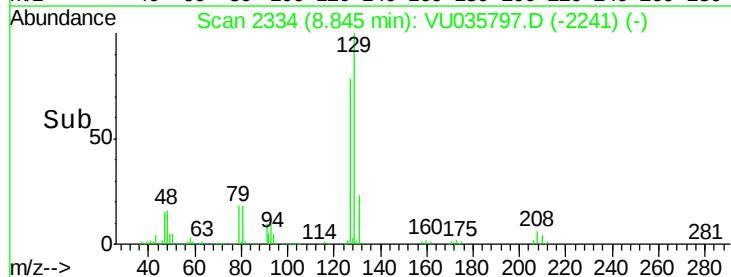
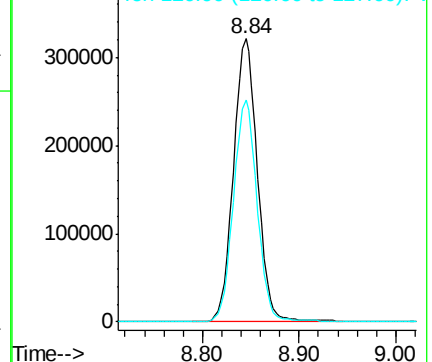


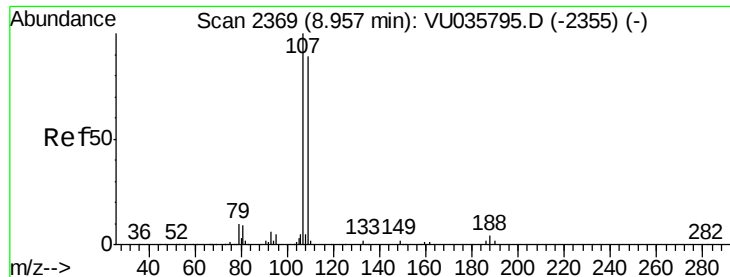
#49
Dibromochloromethane
Concen: 21.817 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Tgt Ion: 129 Resp: 551289
Ion Ratio Lower Upper
129 100
127 78.2 53.1 98.5



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

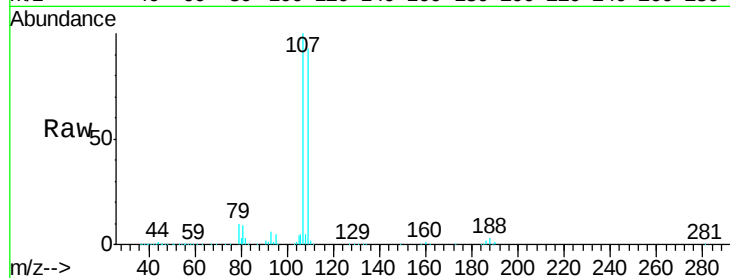




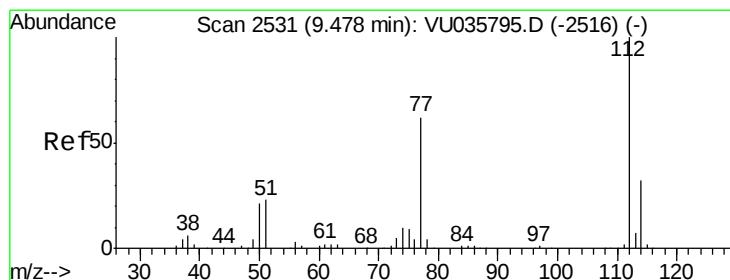
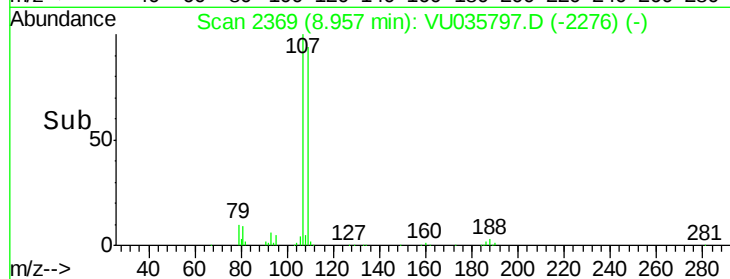
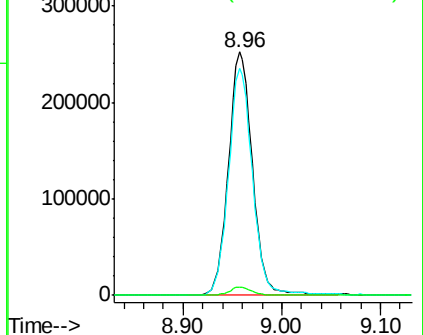
#50
1,2-Dibromoethane
Concen: 22.064 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion:107 Resp: 430289
Ion Ratio Lower Upper
107 100
109 93.5 62.6 116.3
188 3.3 2.8 4.2

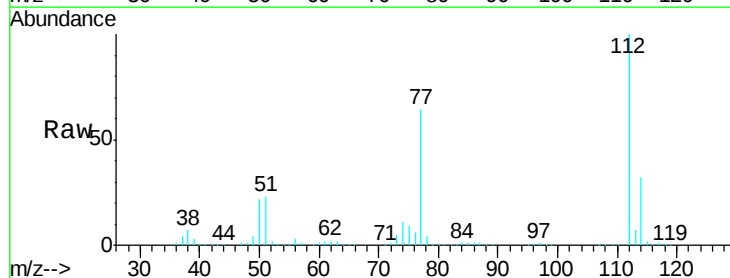


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

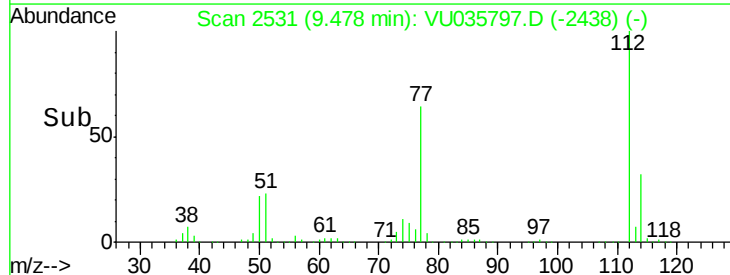
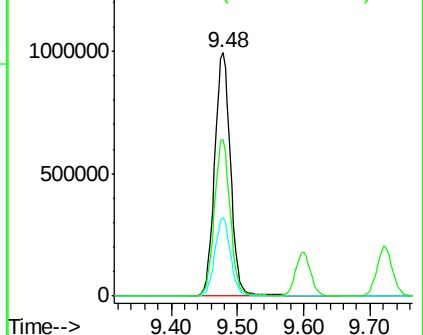


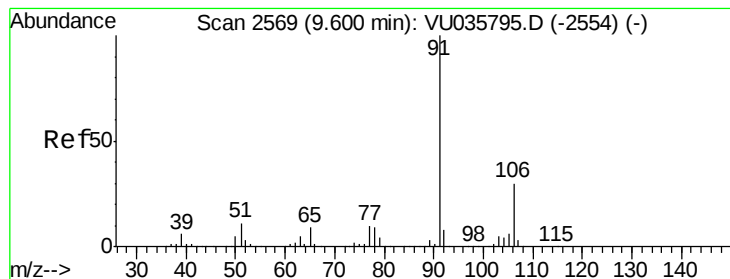
#51
Chlorobenzene
Concen: 22.312 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Tgt Ion:112 Resp: 1656212
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 64.3 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 25.483 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

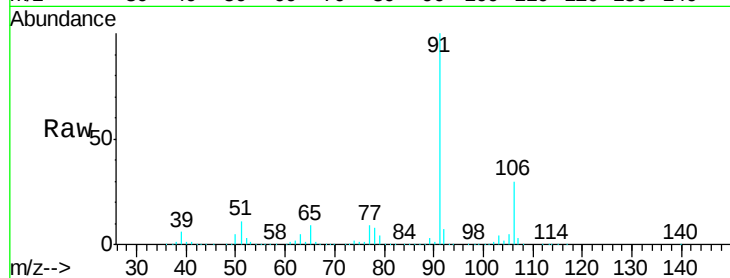
VSTD02001

Tgt Ion: 91 Resp: 3074755

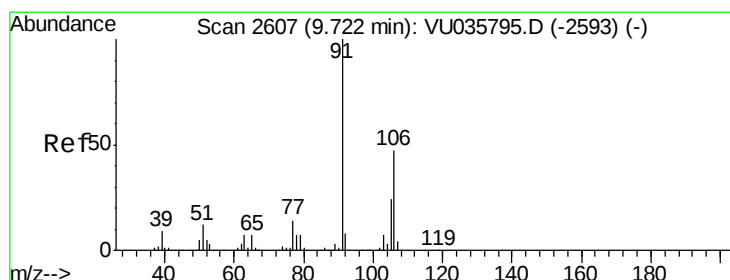
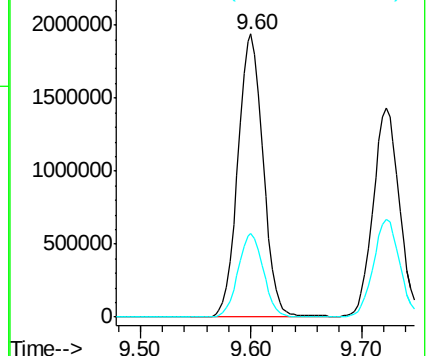
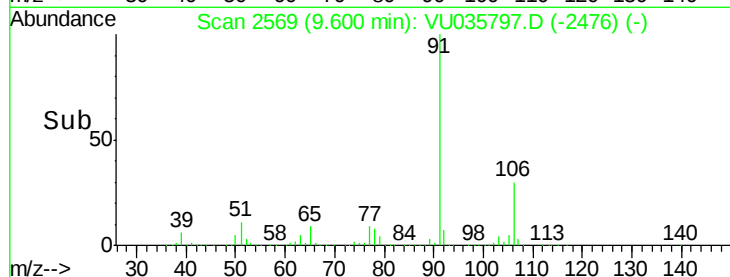
Ion Ratio Lower Upper

91 100

106 29.6 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035797.D (-2476) (-)



#53

m,p-Xylene

Concen: 24.689 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035797.D

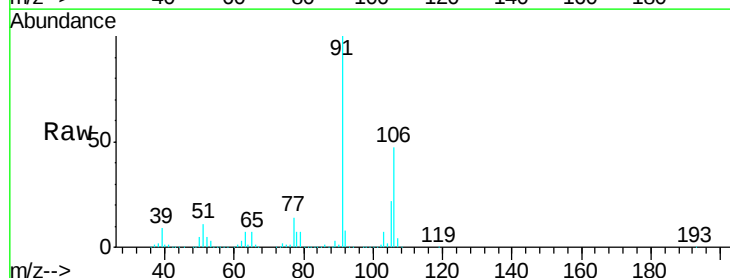
Acq: 21 Nov 2019 11:30

Tgt Ion:106 Resp: 1114838

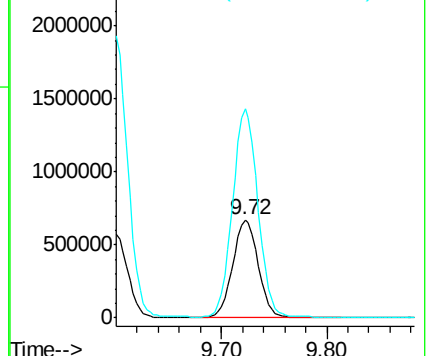
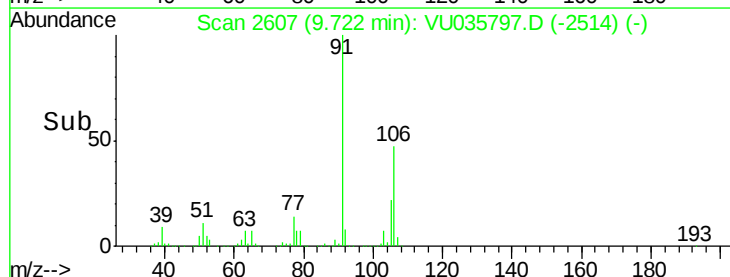
Ion Ratio Lower Upper

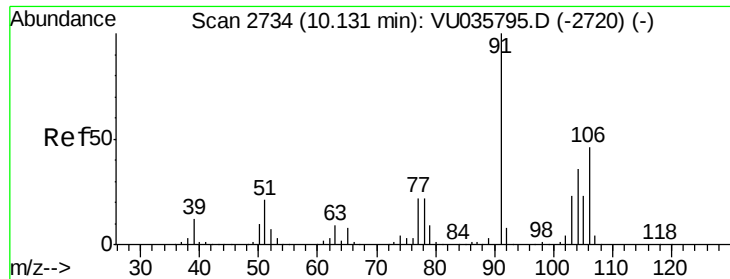
106 100

91 213.6 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035797.D (-2514) (-)

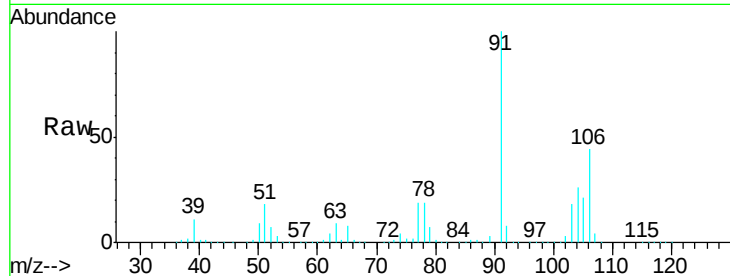




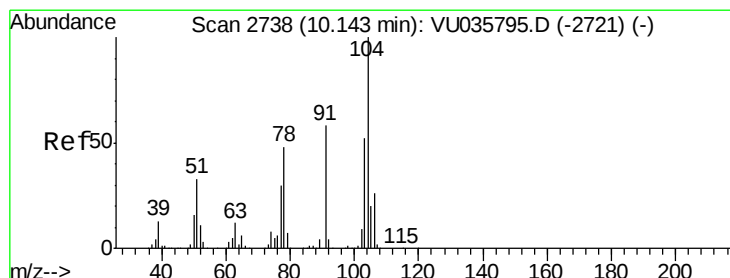
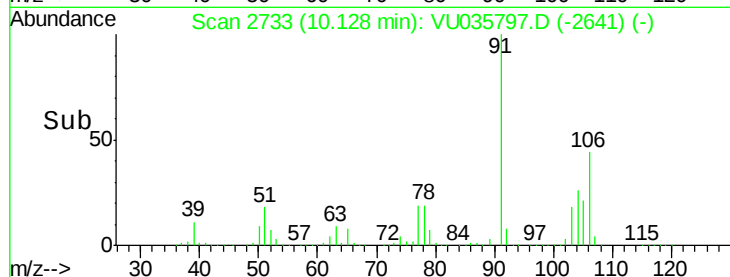
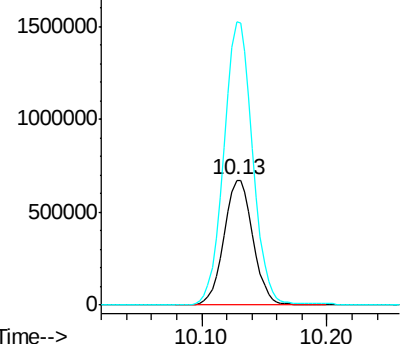
#54
o-Xylene
Concen: 24.932 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion:106 Resp: 1085201
Ion Ratio Lower Upper
106 100
91 226.4 153.6 285.2

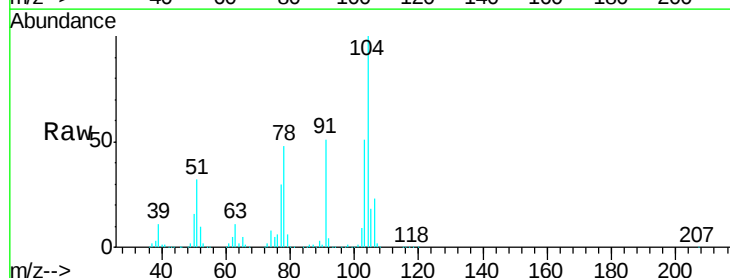


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

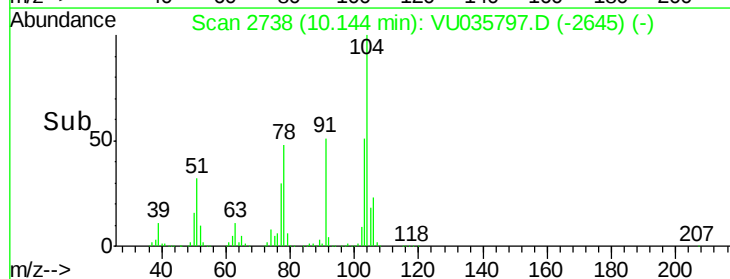
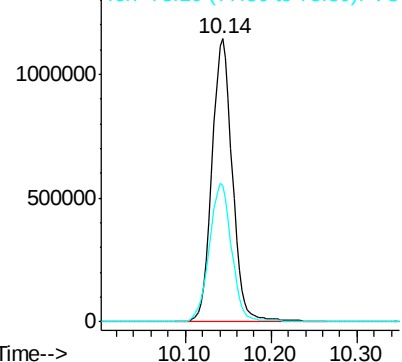


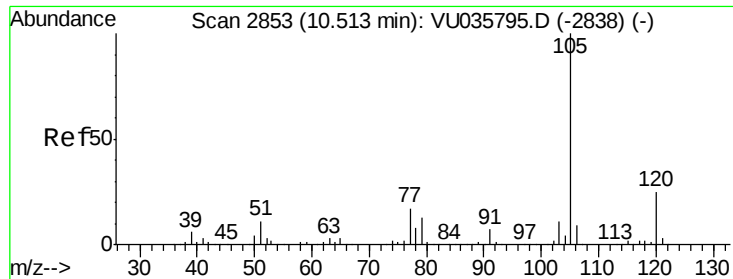
#55
Styrene
Concen: 26.084 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035797.D
Acq: 21 Nov 2019 11:30

Tgt Ion:104 Resp: 1894158
Ion Ratio Lower Upper
104 100
78 48.1 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 25.422 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

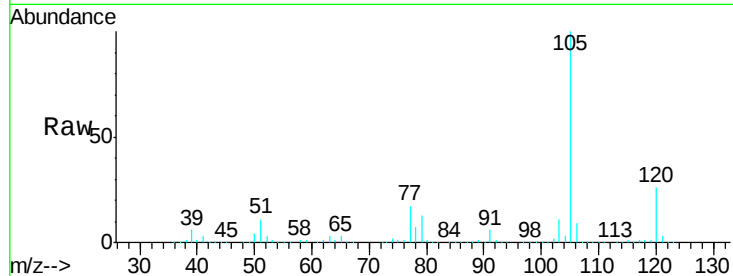
Tgt Ion:105 Resp: 2934640

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

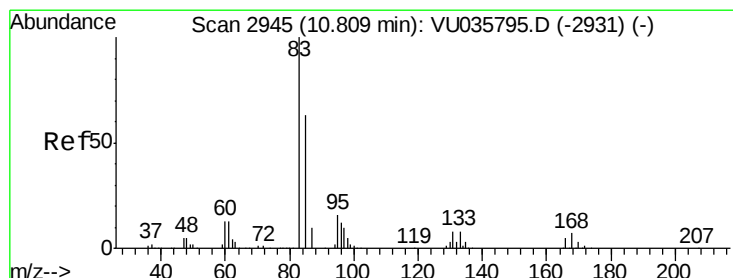
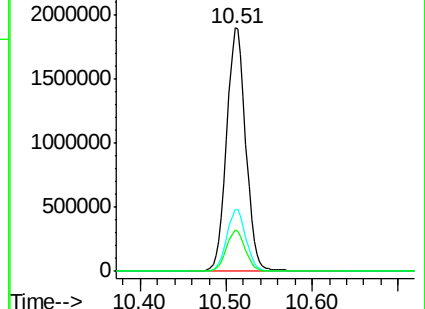
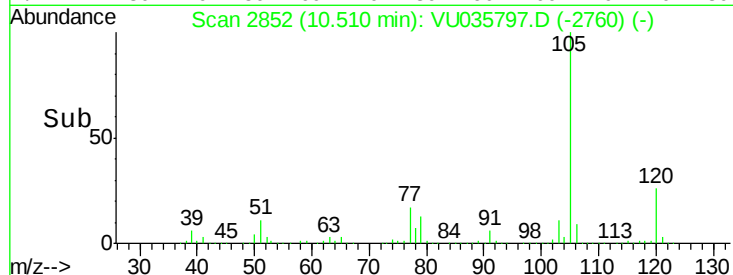
77 16.9 13.7 20.5



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: 23.658 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

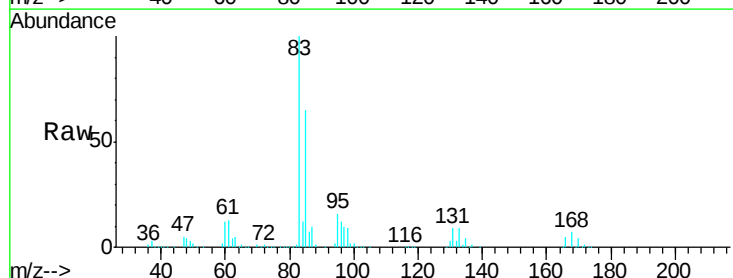
Tgt Ion: 83 Resp: 643637

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

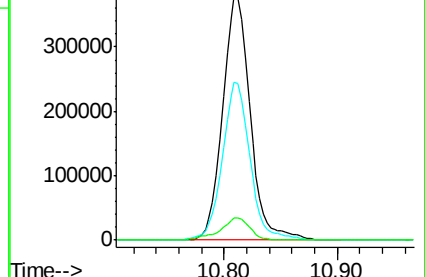
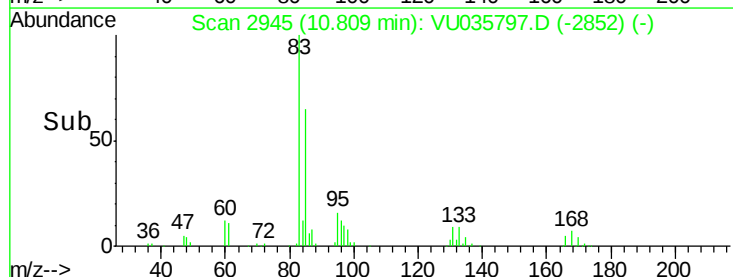
131 8.9 6.9 10.3

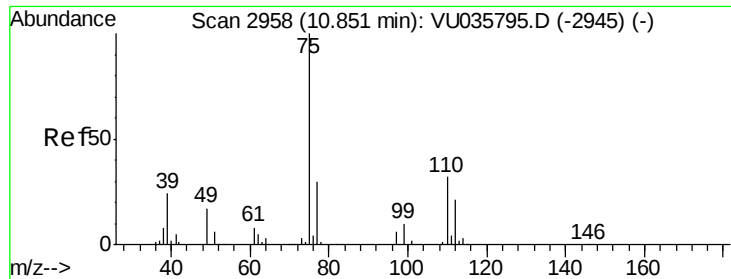


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 23.973 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

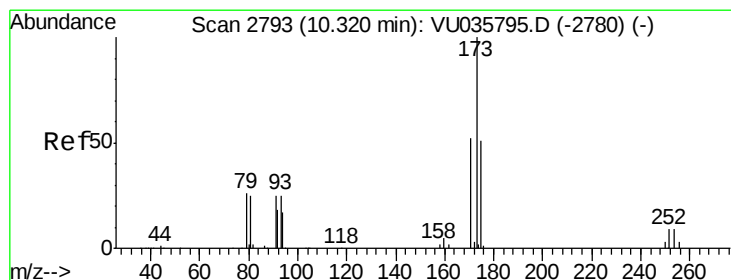
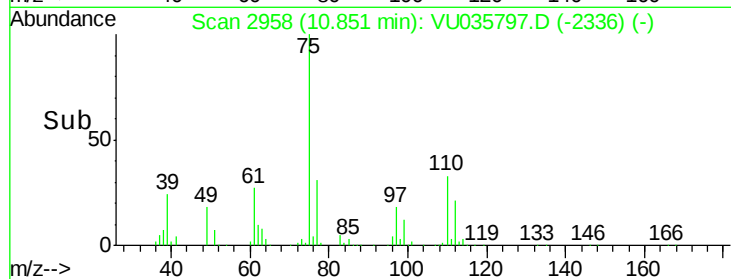
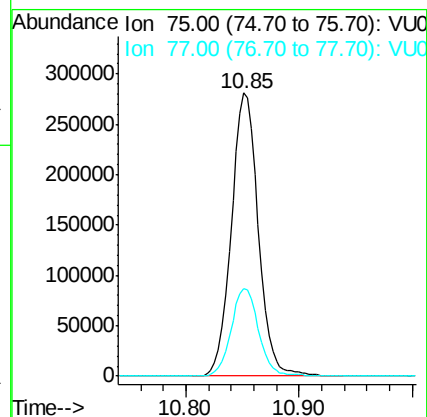
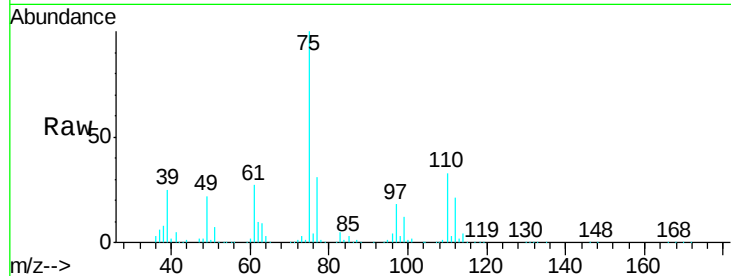
VSTD02001

Tgt Ion: 75 Resp: 465189

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#61

Bromoform

Concen: 18.815 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

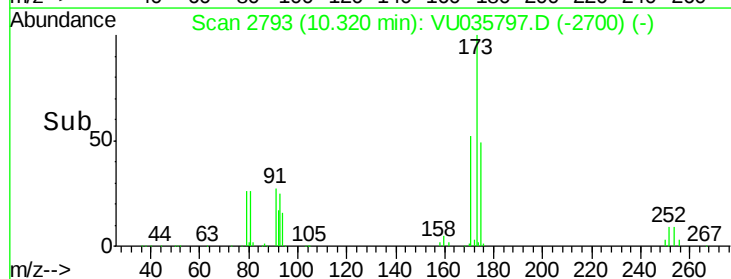
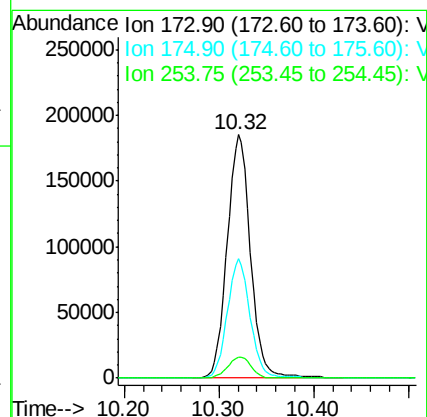
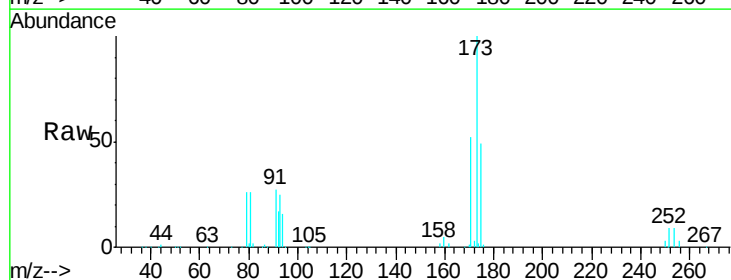
Tgt Ion: 173 Resp: 317499

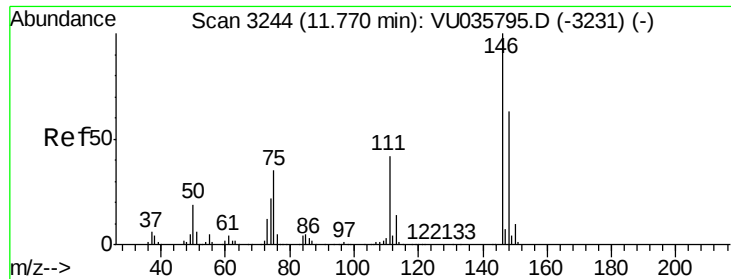
Ion Ratio Lower Upper

173 100

175 48.4 40.1 60.1

254 8.7 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 20.448 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

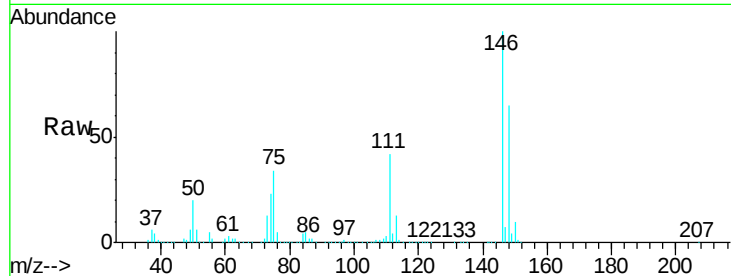
Tgt Ion:146 Resp: 1285227

Ion Ratio Lower Upper

146 100

111 42.3 29.5 54.7

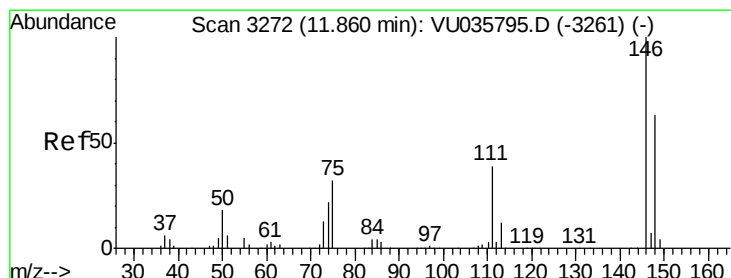
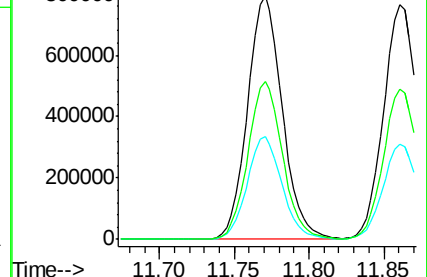
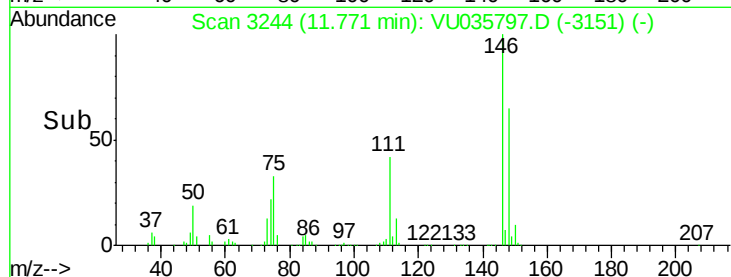
148 64.9 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 20.826 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

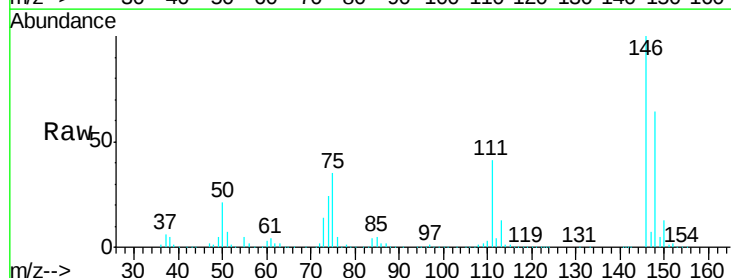
Tgt Ion:146 Resp: 1262057

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

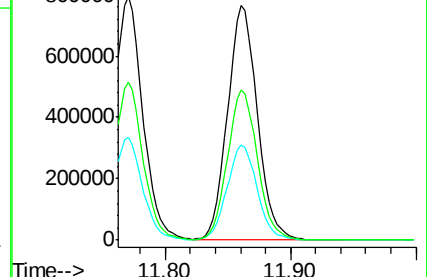
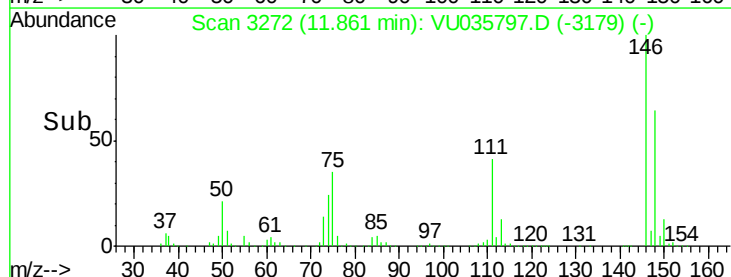
148 63.8 44.2 82.2

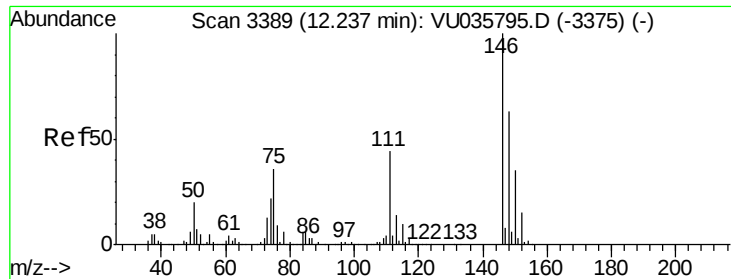


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

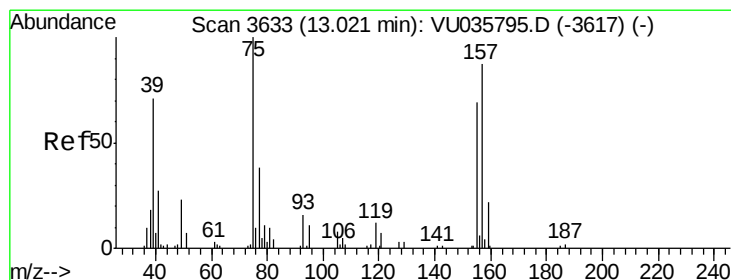
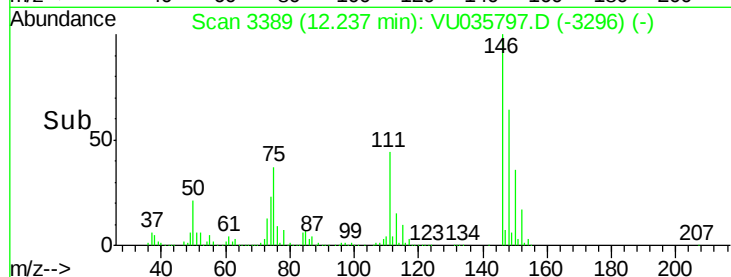
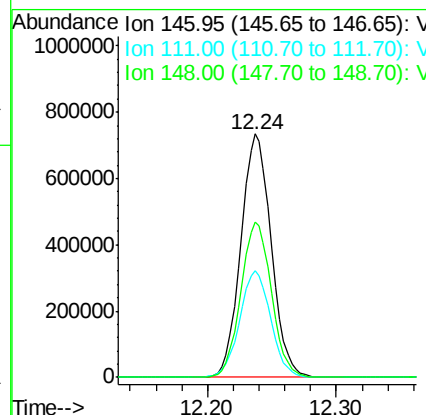
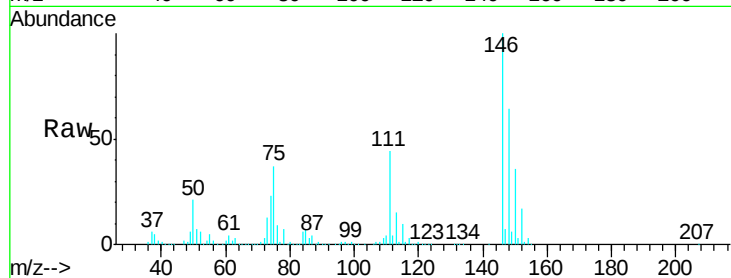




#65
 1,2-Dichlorobenzene
 Concen: 20.439 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

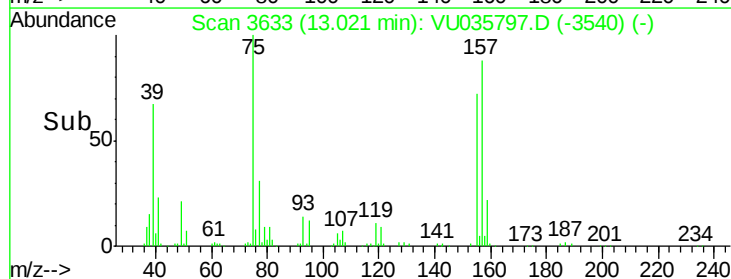
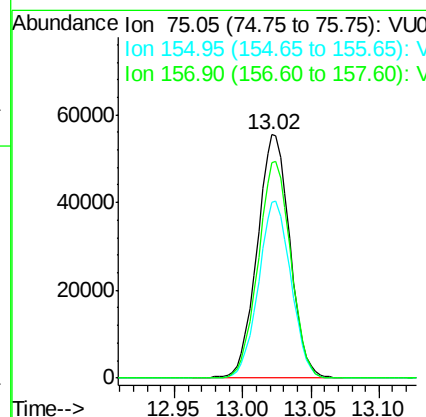
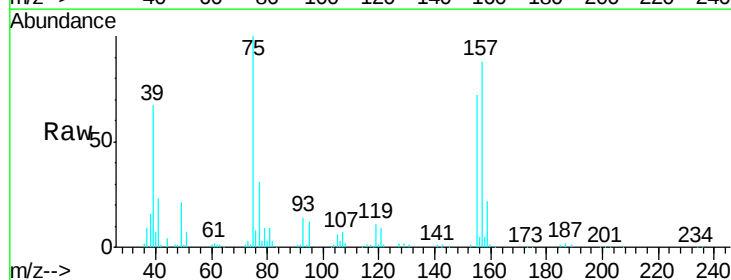
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

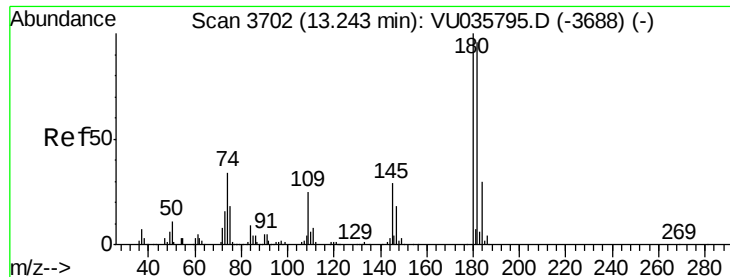
Tgt Ion: 146 Resp: 1201196
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.4 53.0
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.643 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Tgt Ion: 75 Resp: 92387
 Ion Ratio Lower Upper
 75 100
 155 72.3 55.4 83.2
 157 88.5 69.4 104.2

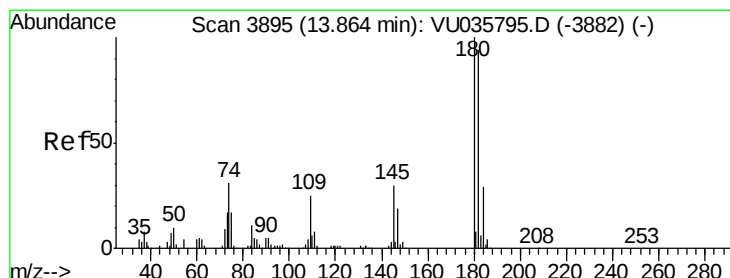
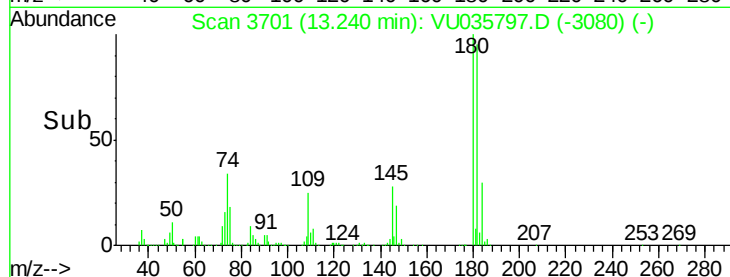
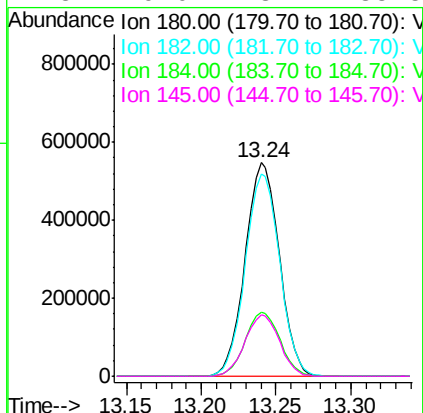
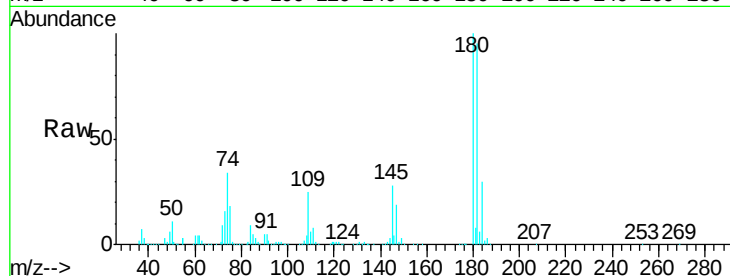




#67
 1,3,5-Trichlorobenzene
 Concen: 21.802 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

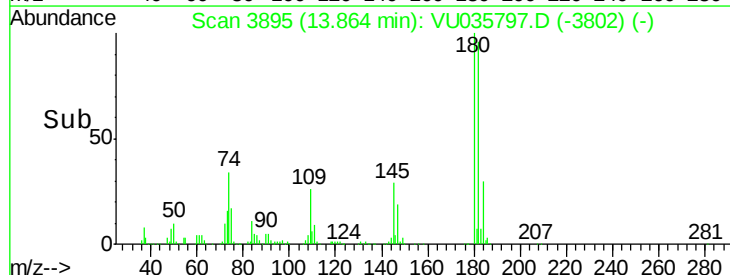
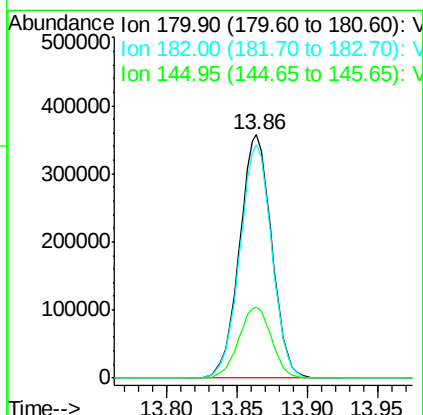
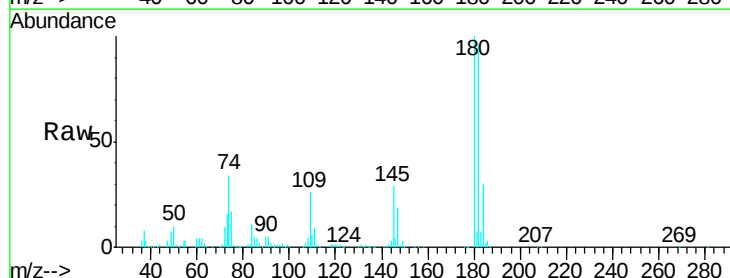
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

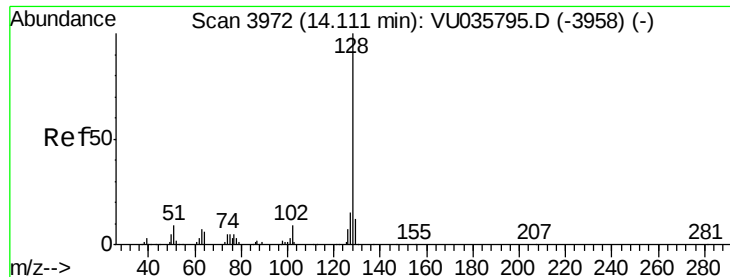
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
184	30.3	24.1	36.1
145	29.0	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 23.655 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035797.D
 Acq: 21 Nov 2019 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.1	112.7
145	29.8	24.0	36.0





#69

Naphthalene

Concen: 30.687 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

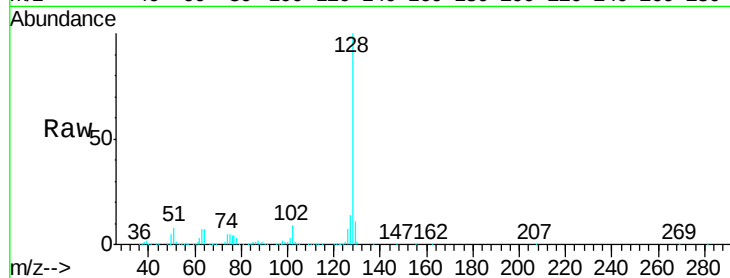
Tgt Ion:128 Resp: 916174

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

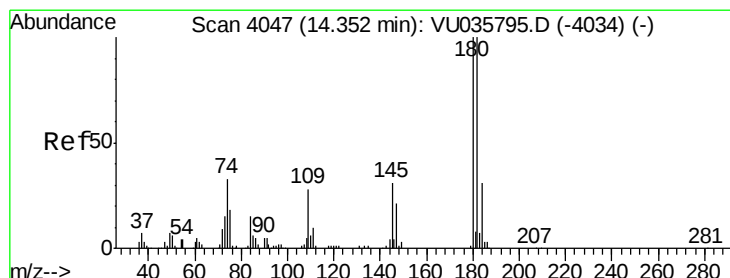
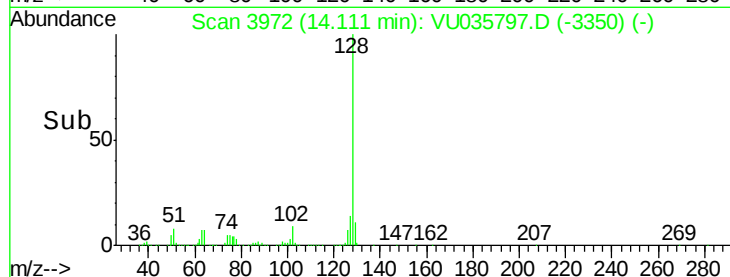
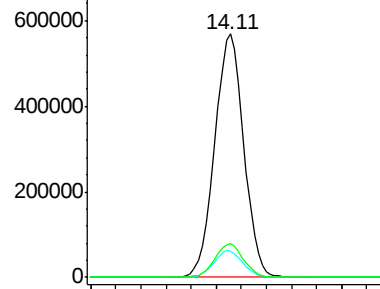
127 13.6 11.8 17.6



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: 22.776 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035797.D

Acq: 21 Nov 2019 11:30

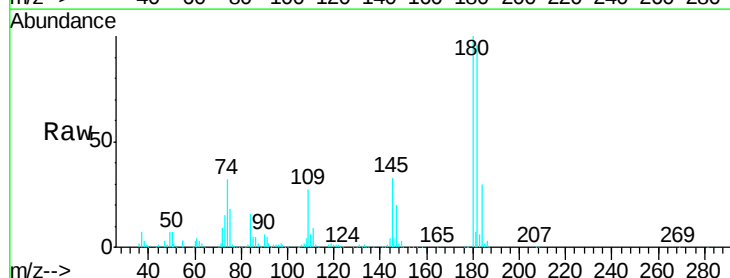
Tgt Ion:180 Resp: 527811

Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.0

145 32.1 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

