

Data File : VU033779.D
Acq On : 13 Aug 2019 10:53
Operator : JC/SP
Sample : VSTD20031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Quant Time: Aug 14 01:37:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 01:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	459186	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	454342	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	246252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	862828	206.15	ug/L	0.00
7) Chloroethane-d5	1.67	69	1079510	309.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.25	63	1417373	191.87	ug/L	0.00
21) 2-Butanone-d5	4.16	46	1046956	440.54	ug/L	0.00
24) Chloroform-d	4.62	84	1349217	213.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	834705	205.87	ug/L	0.00
32) Benzene-d6	5.31	84	2706252	219.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	864965	225.75	ug/L	0.00
41) Toluene-d8	7.55	98	2599119	224.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	434510	232.63	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	829965	521.54	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	1225419	210.06	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	1023879	213.85	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	869394	189.328	ug/L	98
3) Chloromethane	1.32	50	889526	193.758	ug/L	99
5) Vinyl chloride	1.39	62	1004586	192.429	ug/L	98
6) Bromomethane	1.62	94	665865	172.925	ug/L	97
8) Chloroethane	1.68	64	1026821	319.488	ug/L	99
9) Trichlorofluoromethane	1.87	101	1303786	191.819	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	617113	181.704	ug/L	99
12) 1,1-Dichloroethene	2.27	96	620313	188.568	ug/L	98
13) Acetone	2.32	43	718584	308.179	ug/L	99
14) Carbon disulfide	2.46	76	1947448	193.752	ug/L	100
15) Methyl Acetate	2.60	43	704248	186.190	ug/L	99
16) Methylene chloride	2.68	84	695633	188.649	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	657878	196.313	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	2077674	211.189	ug/L	99
19) 1,1-Dichloroethane	3.42	63	1228061	195.288	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	742076	201.680	ug/L	98
22) 2-Butanone	4.24	43	1063563	381.084	ug/L	100
23) Bromochloromethane	4.52	128	379363	193.627	ug/L	98
25) Chloroform	4.65	83	1252510	188.646	ug/L	100
27) 1,2-Dichloroethane	5.38	62	998364	192.892	ug/L	98
29) Cyclohexane	4.97	56	1111823	222.432	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	1073497	197.703	ug/L	99
31) Carbon tetrachloride	5.11	117	971944	201.234	ug/L	99
33) Benzene	5.36	78	2764428	202.233	ug/L	100
34) Trichloroethene	6.16	95	725255	203.586	ug/L	99
35) Methylcyclohexane	6.40	83	1185238	218.022	ug/L	97
37) 1,2-Dichloropropane	6.41	63	747456	202.888	ug/L	100
38) Bromodichloromethane	6.73	83	958946	198.426	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	1231430	225.086	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	2005956	417.683	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	3055476	208.635	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	1096556	220.521	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	687004	196.388	ug/L	100
46) Tetrachloroethene	8.21	164	587847	202.256	ug/L	99
48) 2-Hexanone	8.35	43	1569645	403.882	ug/L	98
49) Dibromochloromethane	8.46	129	810419	207.040	ug/L	99
50) 1,2-Dibromoethane	8.57	107	762142	201.308	ug/L	99
51) Chlorobenzene	9.10	112	1915244	197.640	ug/L	100
52) Ethylbenzene	9.23	91	3372169	212.944	ug/L	100
53) m,p-Xylene	9.36	106	1263826	212.086	ug/L	99
54) o-xylene	9.76	106	1262243	216.123	ug/L	100
55) Styrene	9.77	104	2183352	220.040	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	1176398	190.542	ug/L	99
59) Bromoform	9.94	173	626597	201.794	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	916733	182.336	ug/L	100
61) Isopropylbenzene	10.15	105	3279244	207.763	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	2777024	217.808	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	2763203	218.368	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	1540308	191.135	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	1561446	187.244	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	1553724	192.982	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	279138	200.277	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	1233657	201.754	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	1115606	217.537	ug/L	98
71) Naphthalene	13.73	128	3618419	242.337	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	1111219	207.533	ug/L	99

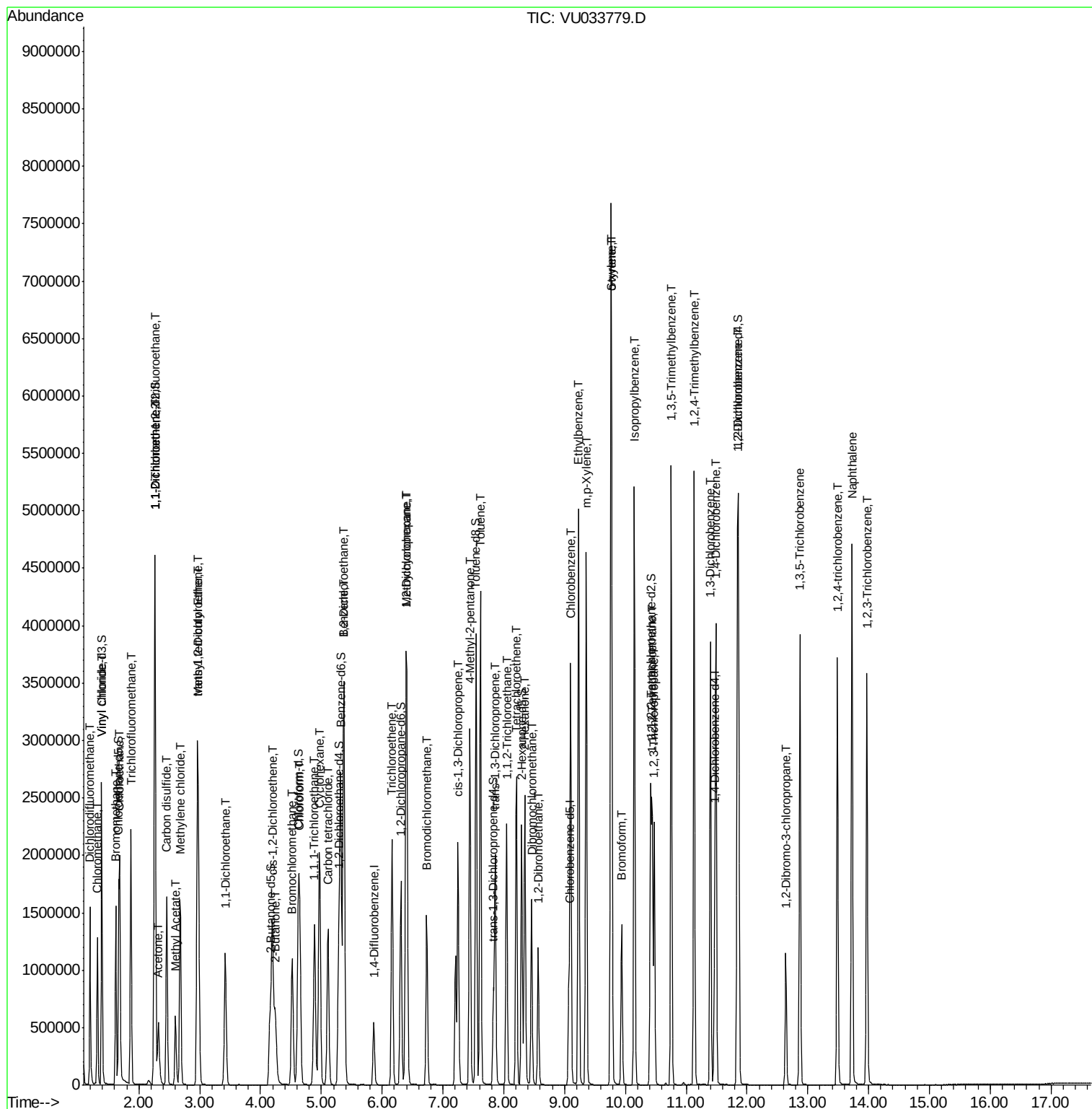
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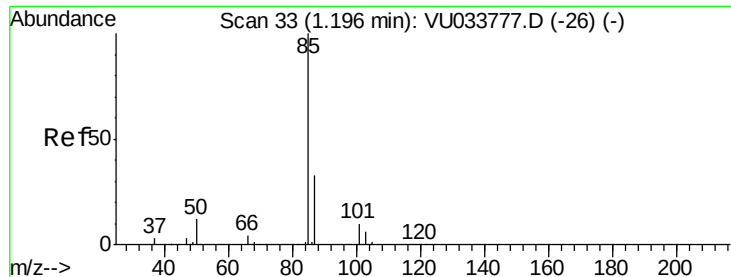
Data File : VU033779.D

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#2

Dichlorodifluoromethane

Concen: 189.328 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

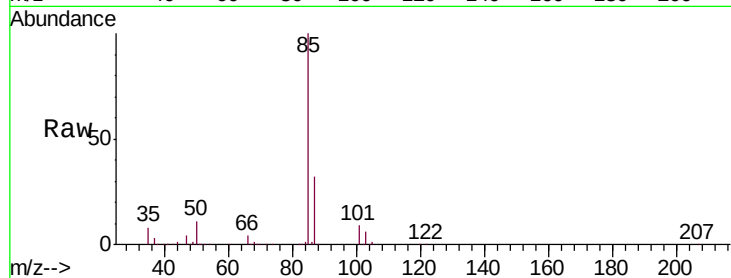
VSTD20031

Tgt Ion: 85 Resp: 869394

Ion Ratio Lower Upper

85 100

87 32.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU033779.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033779.D (-26) (-)

1.20

800000

600000

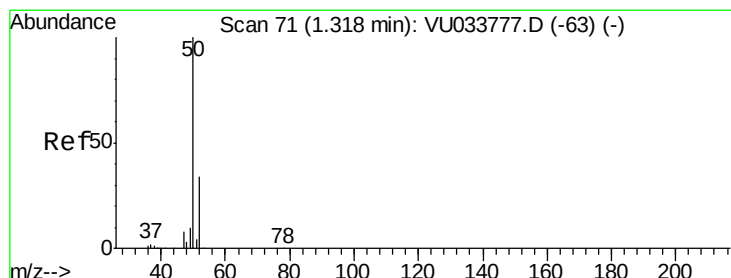
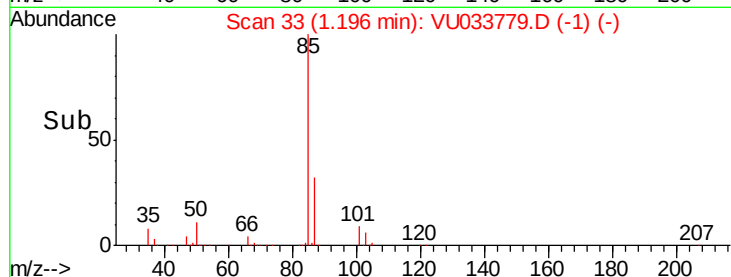
400000

200000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 193.758 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033779.D

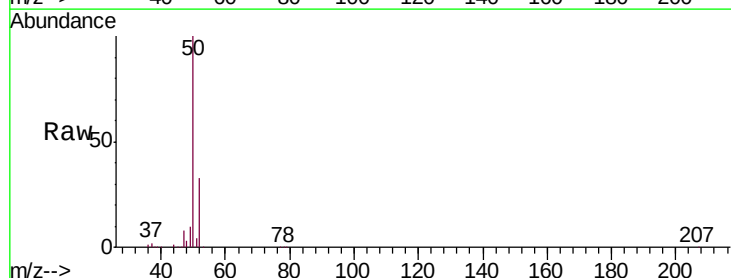
Acq: 13 Aug 2019 10:53

Tgt Ion: 50 Resp: 889526

Ion Ratio Lower Upper

50 100

52 33.2 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033779.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033779.D (-63) (-)

1.32

800000

600000

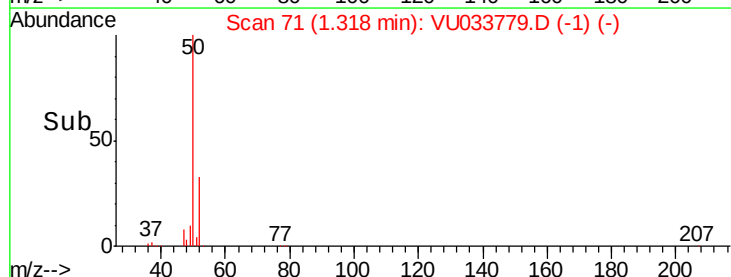
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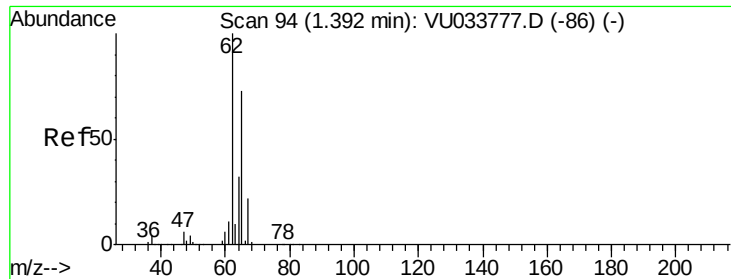
200000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 192.429 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

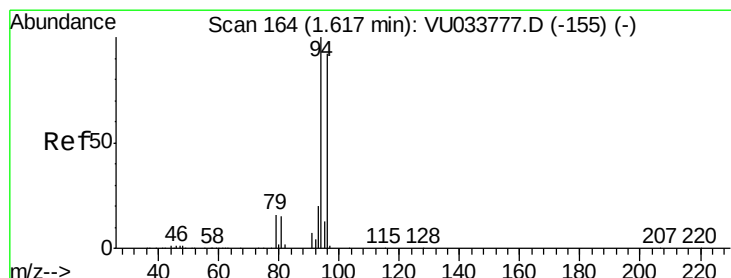
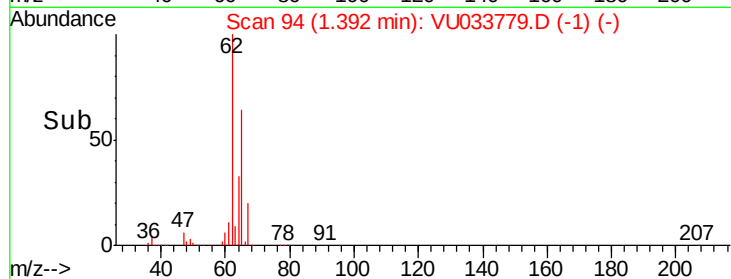
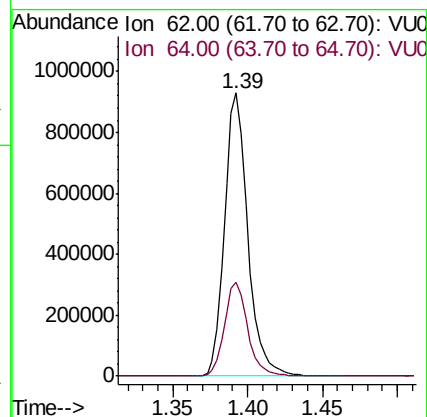
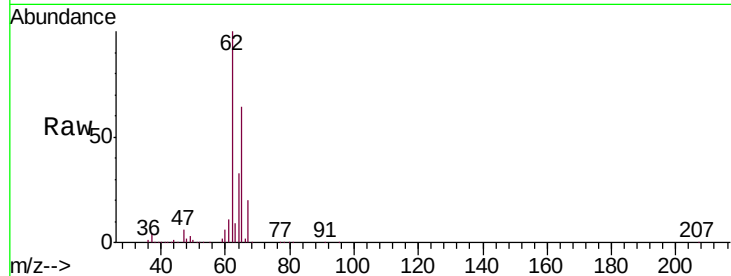
VSTD20031

Tgt Ion: 62 Resp: 1004586

Ion Ratio Lower Upper

62 100

64 33.3 22.3 41.5



#6

Bromomethane

Concen: 172.925 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033779.D

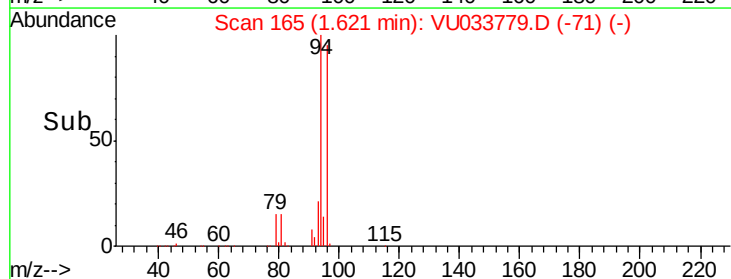
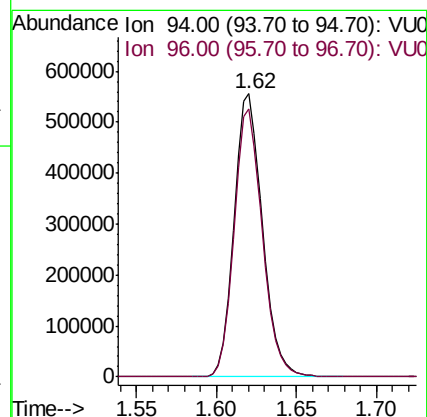
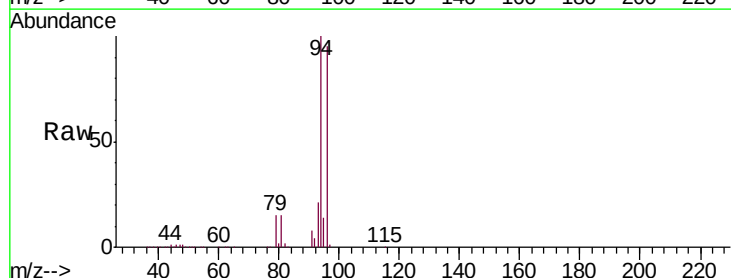
Acq: 13 Aug 2019 10:53

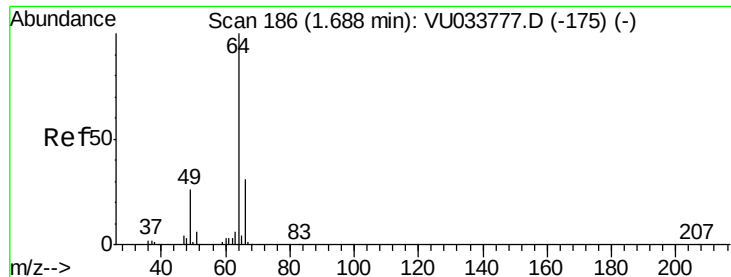
Tgt Ion: 94 Resp: 665865

Ion Ratio Lower Upper

94 100

96 94.6 64.5 119.7





#8

Chloroethane

Concen: 319.488 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

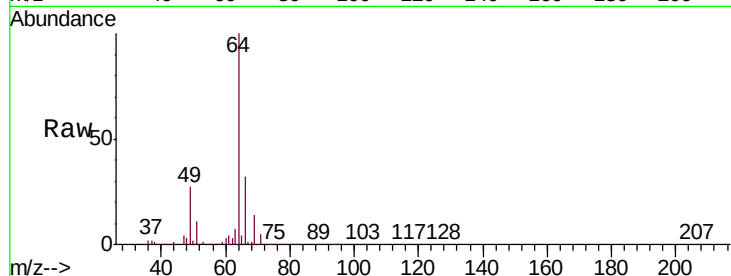
VSTD20031

Tgt Ion: 64 Resp: 1026821

Ion Ratio Lower Upper

64 100

66 31.8 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033777.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033779.D (-62) (-)

1.68

800000

600000

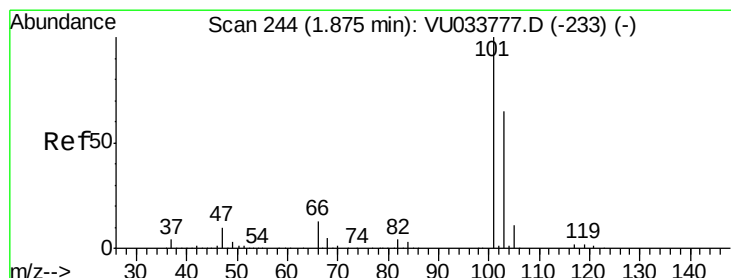
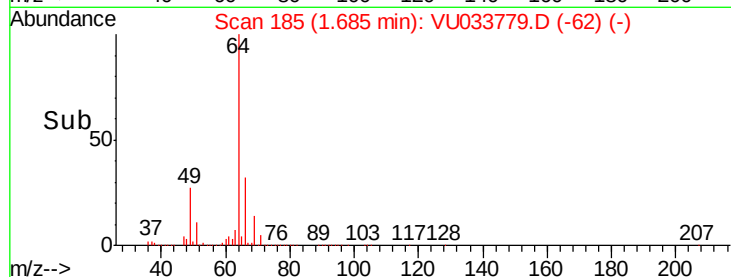
400000

200000

0

1.60 1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 191.819 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.01 min

Lab File: VU033779.D

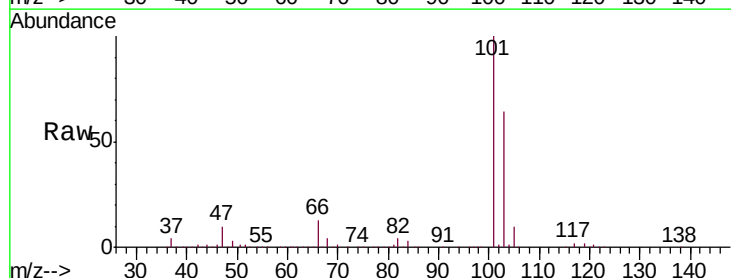
Acq: 13 Aug 2019 10:53

Tgt Ion: 101 Resp: 1303786

Ion Ratio Lower Upper

101 100

103 64.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033777.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033779.D (-120) (-)

1.87

1000000

800000

600000

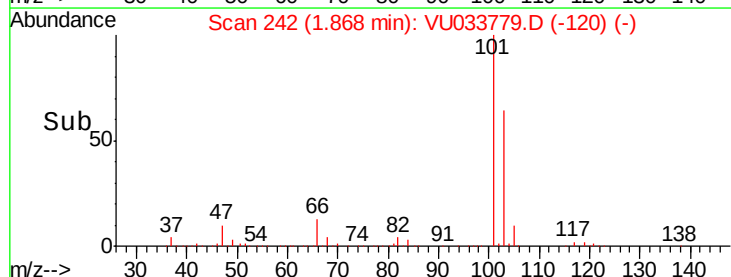
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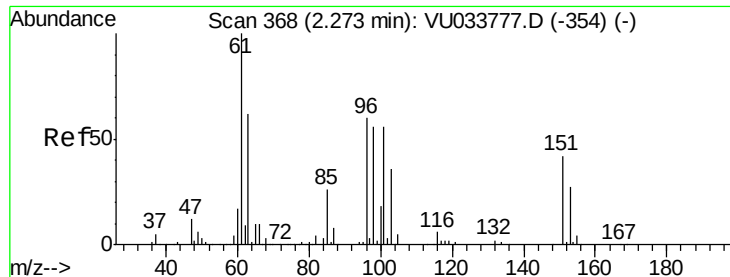
200000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 181.704 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

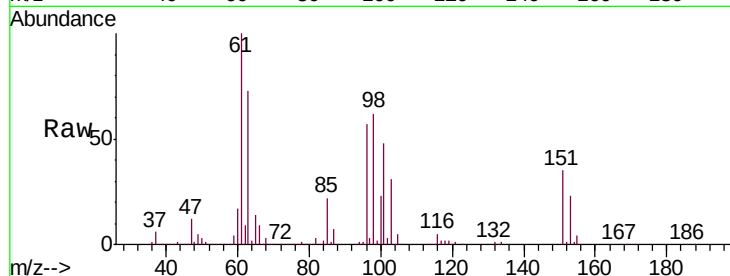
Tgt Ion: 101 Resp: 617113

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

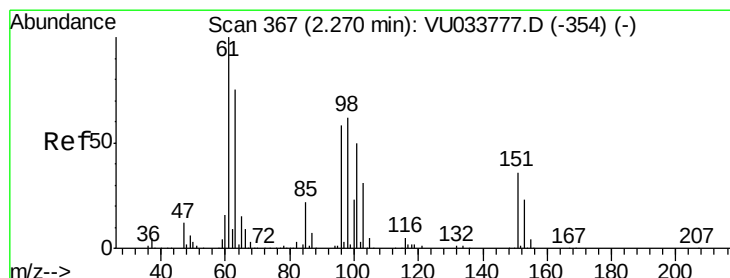
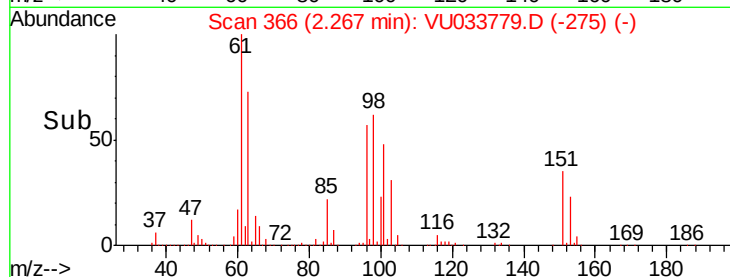
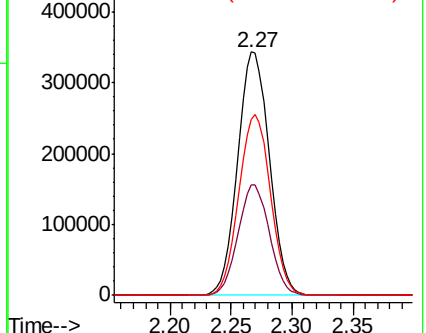
151 74.1 58.5 87.7



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: 188.568 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

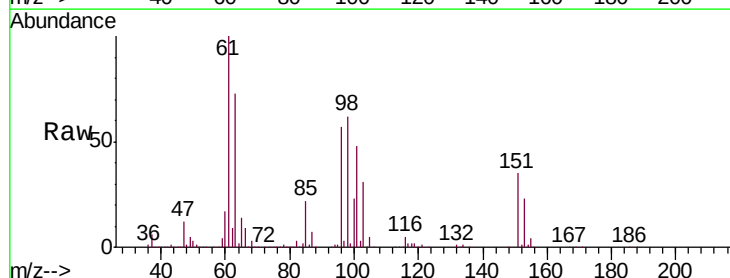
Tgt Ion: 96 Resp: 620313

Ion Ratio Lower Upper

96 100

61 174.4 121.5 225.7

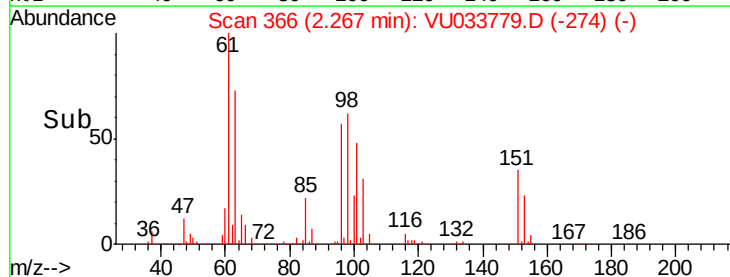
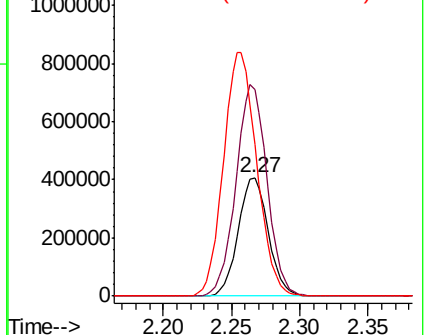
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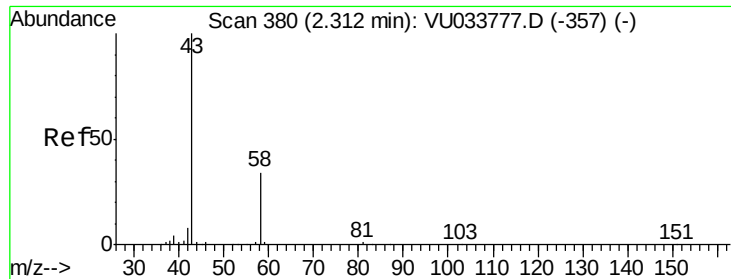


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 308.179 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

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ClientSampleId :

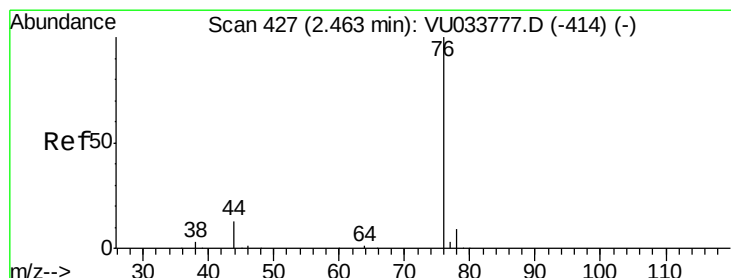
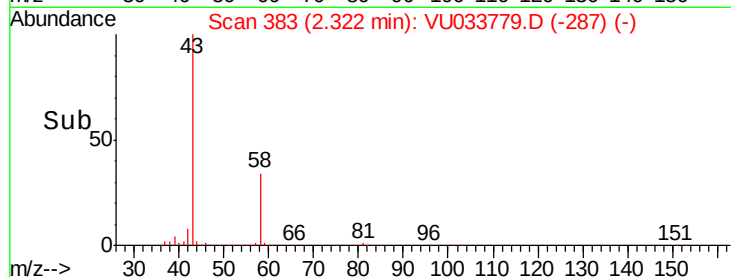
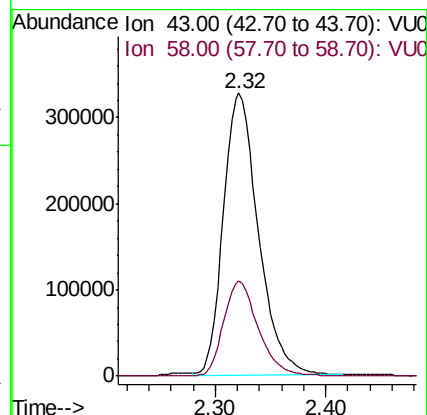
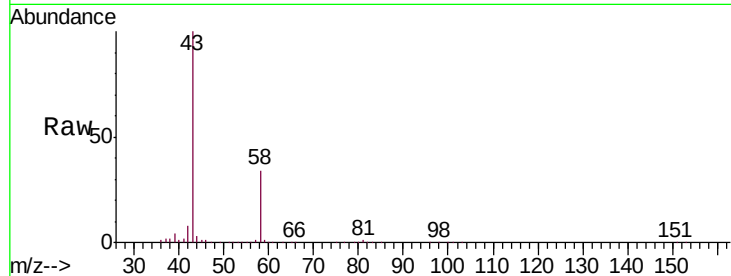
VSTD20031

Tgt Ion: 43 Resp: 718584

Ion Ratio Lower Upper

43 100

58 33.4 0.0 65.8



#14

Carbon disulfide

Concen: 193.752 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VU033779.D

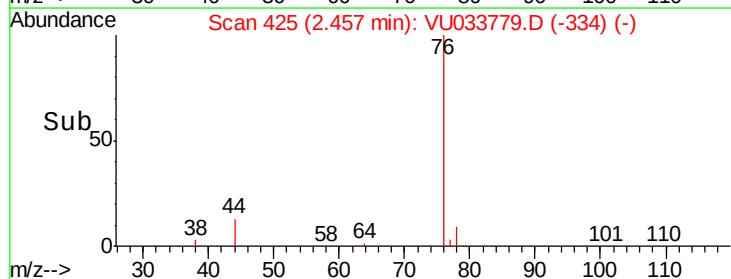
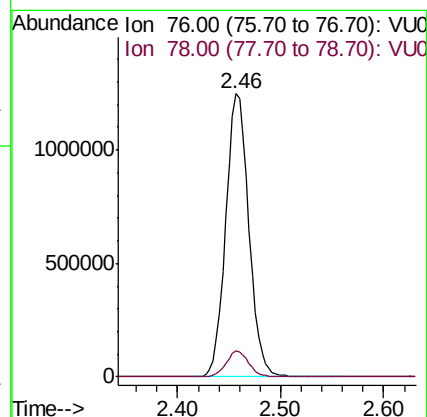
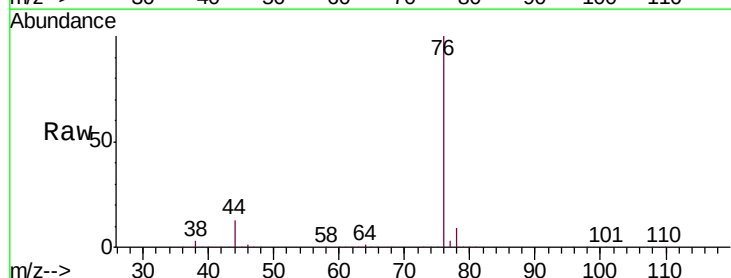
Acq: 13 Aug 2019 10:53

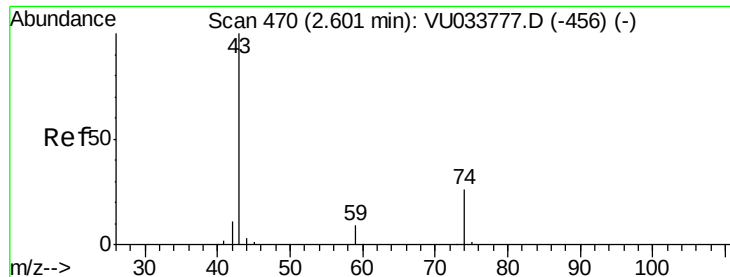
Tgt Ion: 76 Resp: 1947448

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

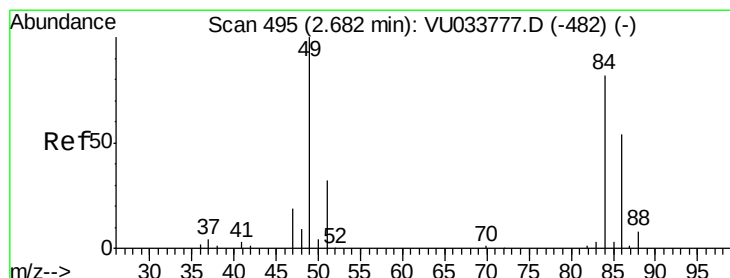
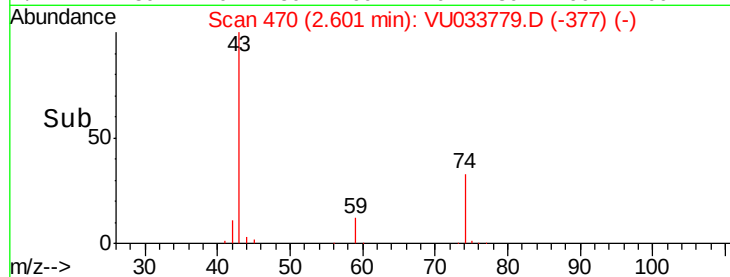
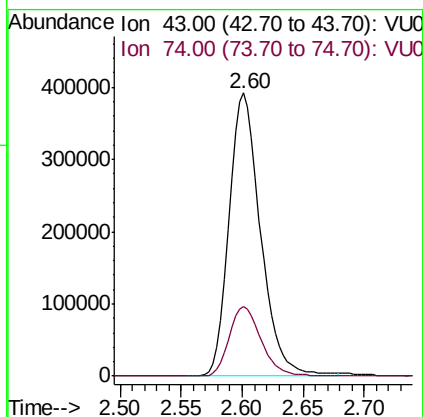
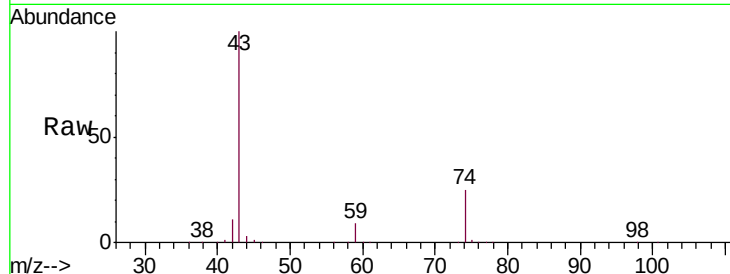




#15
Methyl Acetate
Concen: 186.190 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

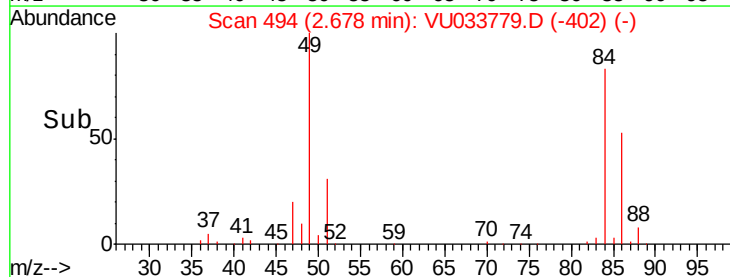
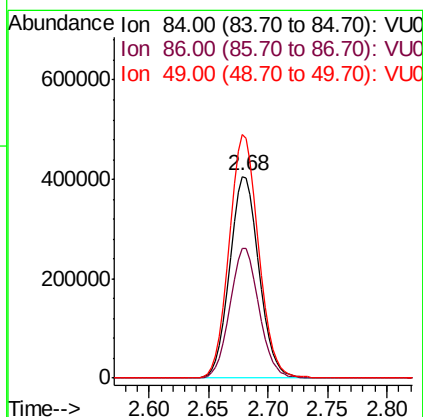
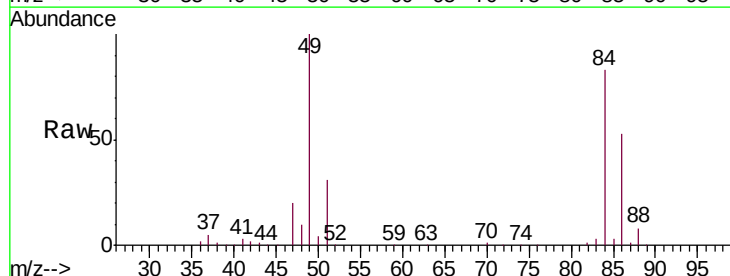
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

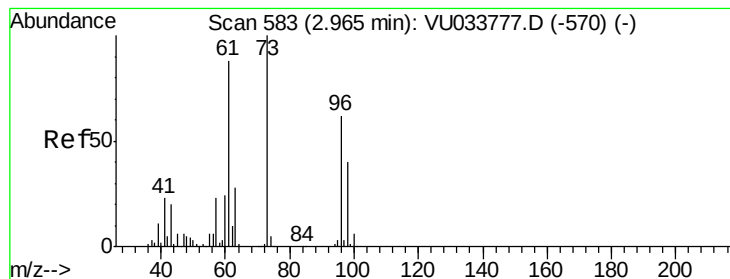
Tgt Ion: 43 Resp: 704248
Ion Ratio Lower Upper
43 100
74 25.1 20.3 30.5



#16
Methylene chloride
Concen: 188.649 ug/L
RT: 2.68 min Scan# 494
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion: 84 Resp: 695633
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.4
49 120.7 84.9 157.7





#17

trans-1,2-Dichloroethene

Concen: 196.313 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

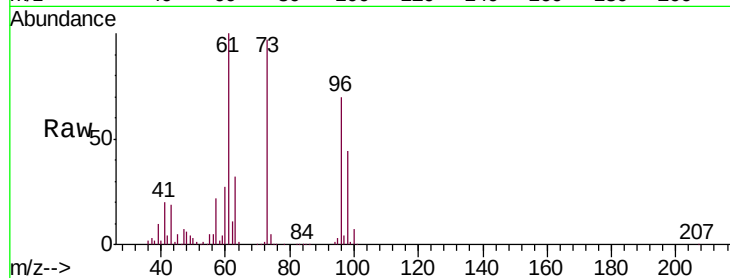
Tgt Ion: 96 Resp: 657878

Ion Ratio Lower Upper

96 100

61 143.5 98.8 183.6

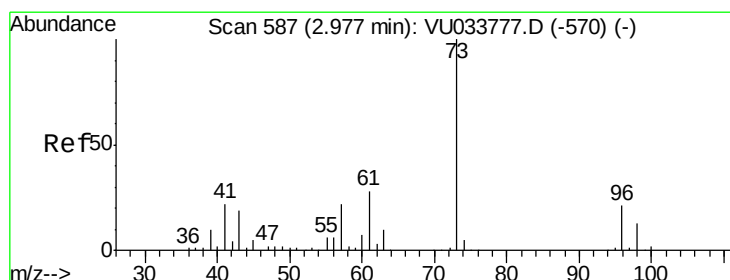
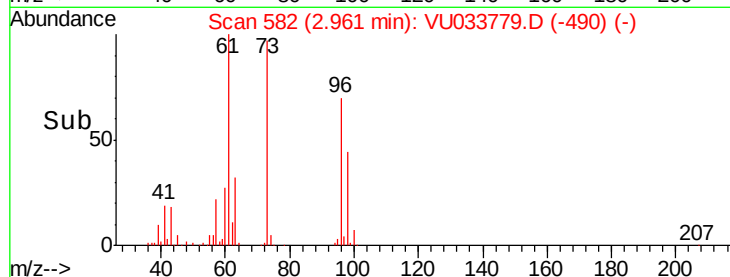
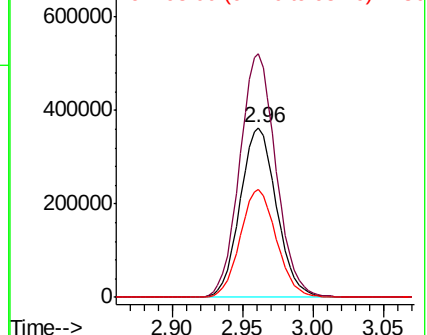
98 63.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033779.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033779.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033779.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 211.189 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

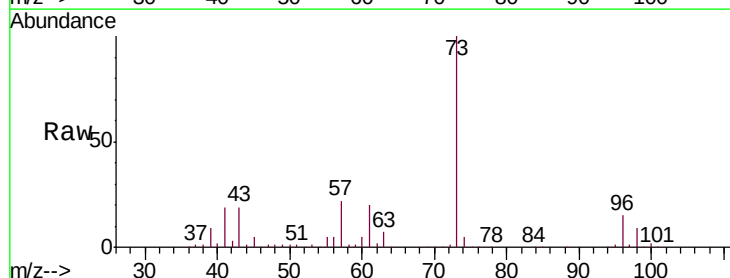
Tgt Ion: 73 Resp: 2077674

Ion Ratio Lower Upper

73 100

43 19.0 15.4 23.2

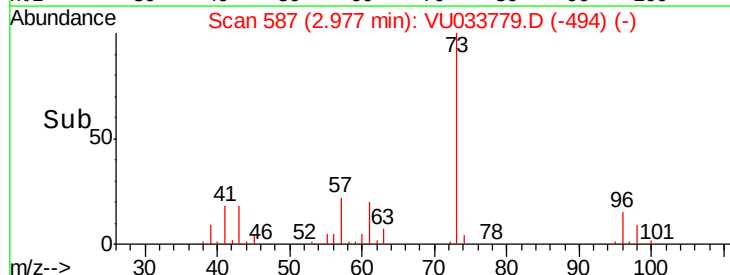
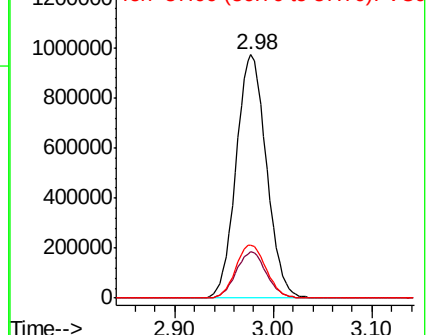
57 22.1 17.9 26.9

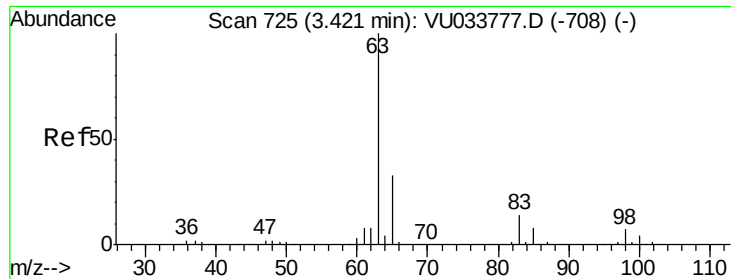


Abundance Ion 73.00 (72.70 to 73.70): VU033779.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033779.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033779.D (-494) (-)

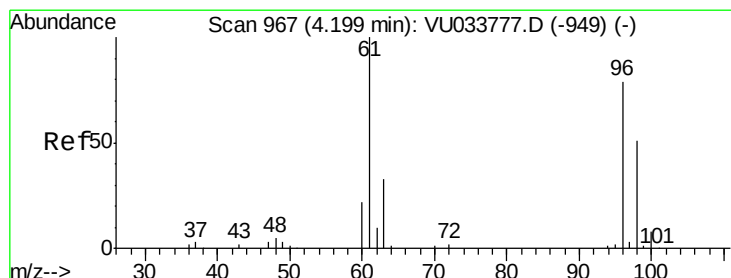
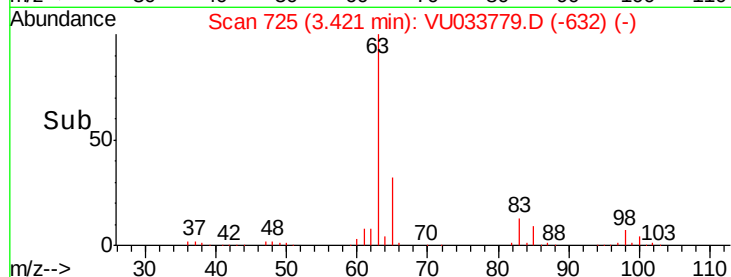
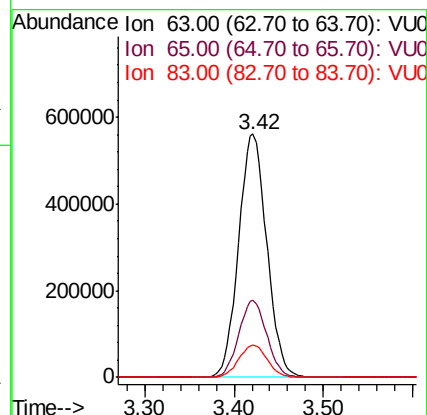
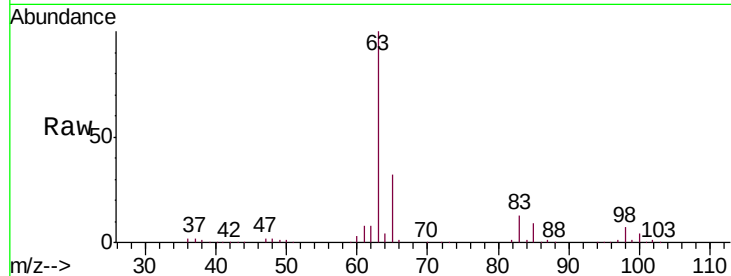




#19
 1,1-Dichloroethane
 Concen: 195.288 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

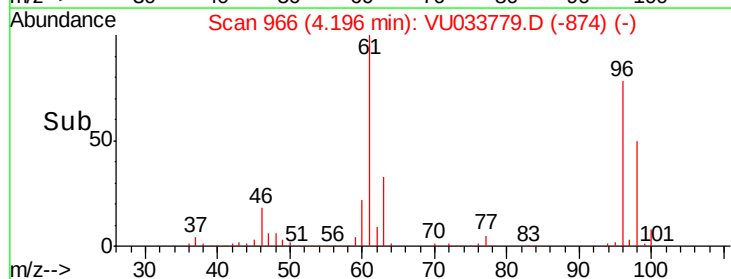
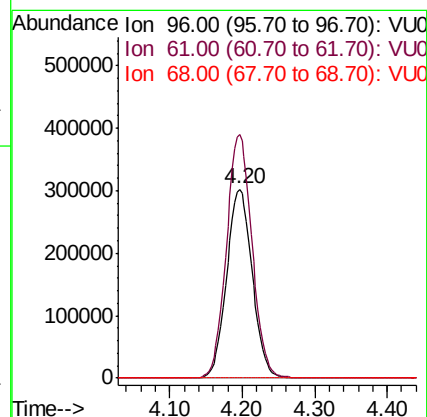
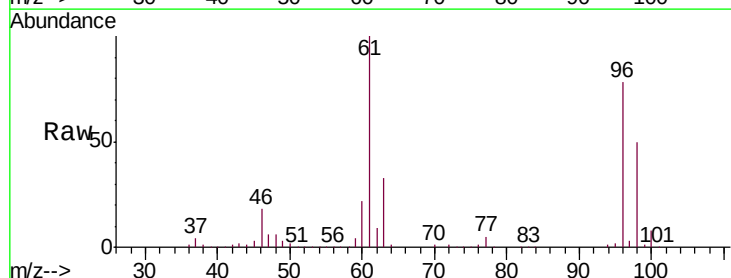
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

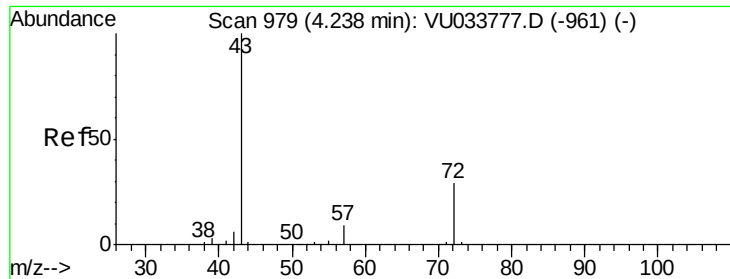
Tgt Ion: 63 Resp: 1228061
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.8 42.4
 83 13.1 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 201.680 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion: 96 Resp: 742076
 Ion Ratio Lower Upper
 96 100
 61 128.8 88.3 163.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 381.084 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

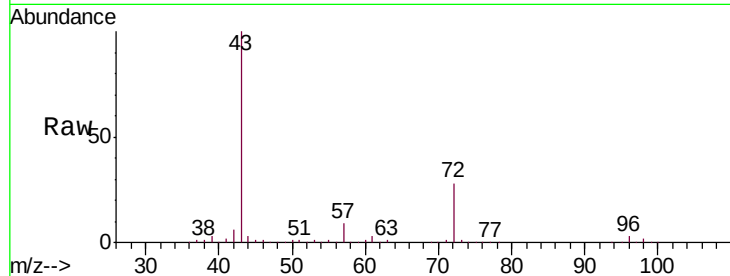
VSTD20031

Tgt Ion: 43 Resp: 1063563

Ion Ratio Lower Upper

43 100

72 29.1 14.5 43.5



Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU033777.D (-961) (-)

4.24

400000

300000

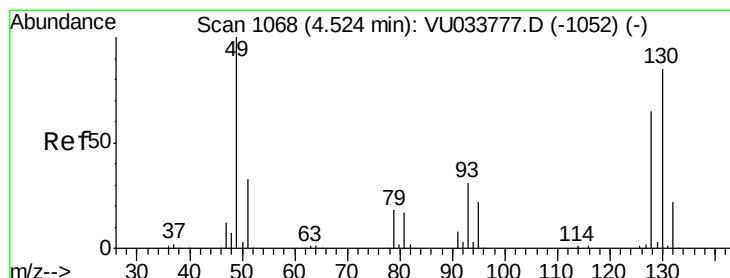
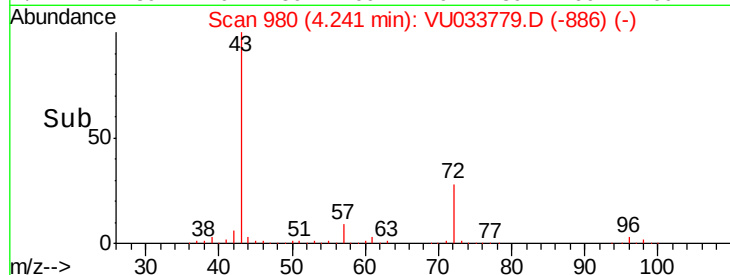
200000

100000

0

4.10 4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 193.627 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Tgt Ion: 128 Resp: 379363

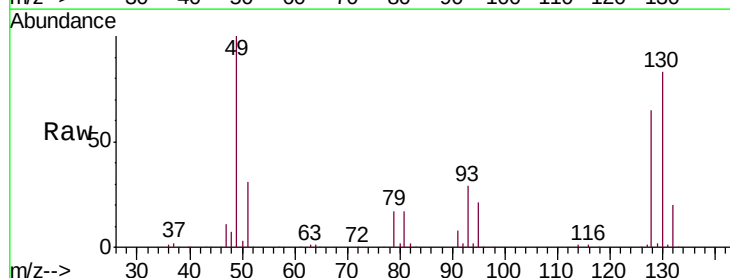
Ion Ratio Lower Upper

128 100

49 153.1 108.1 200.7

130 127.1 91.8 170.6

51 48.1 40.6 61.0



Abundance Ion 128.00 (127.70 to 128.70): VU033777.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033777.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033777.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033777.D (-1052) (-)

4.52

400000

300000

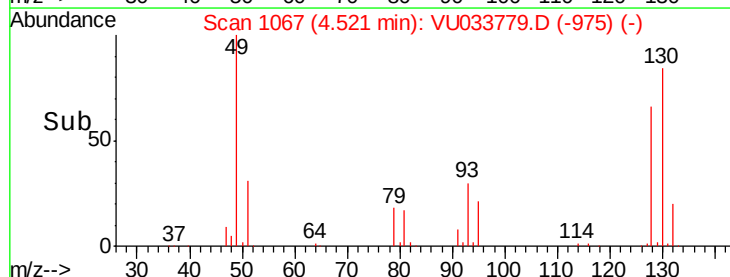
200000

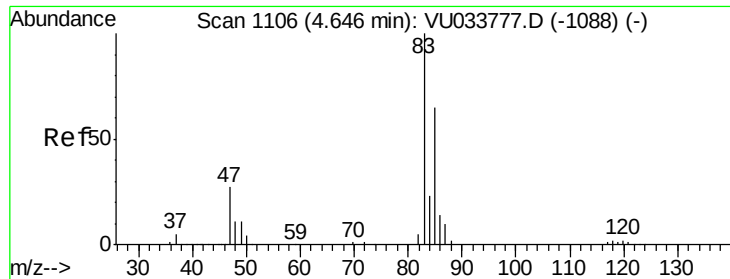
100000

0

4.40 4.50 4.60

Time-->

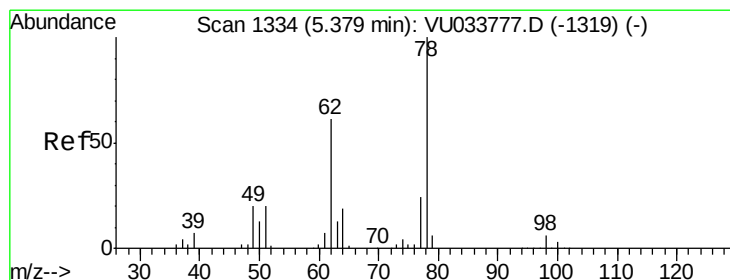
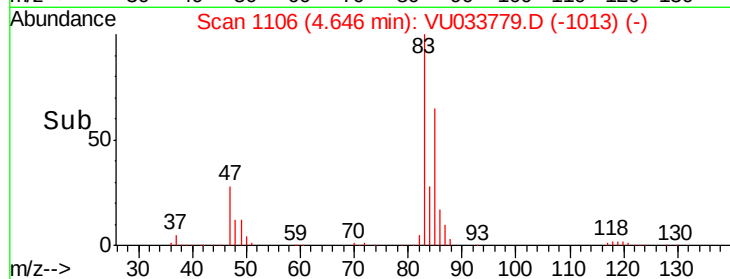
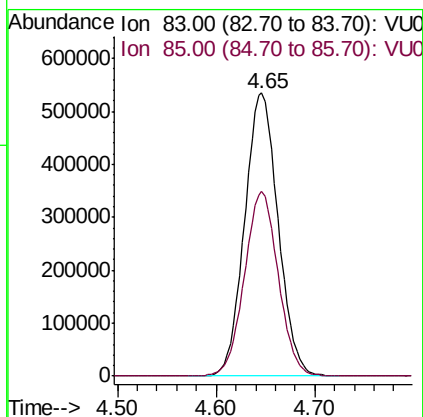
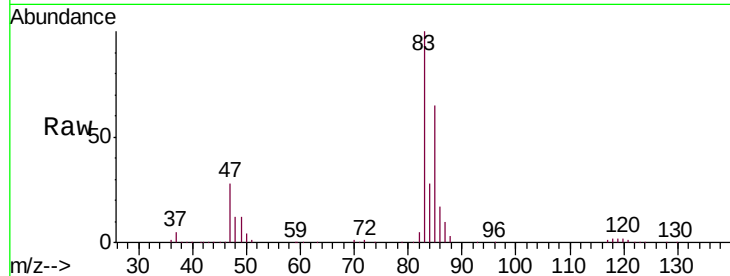




#25
Chloroform
Concen: 188.646 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

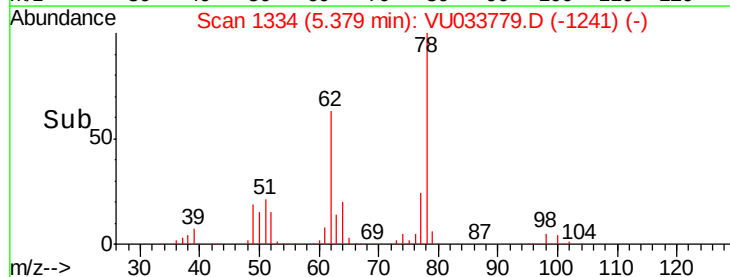
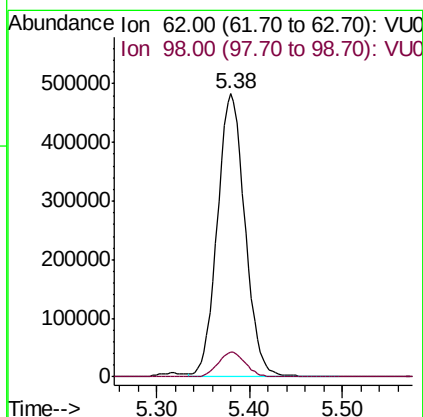
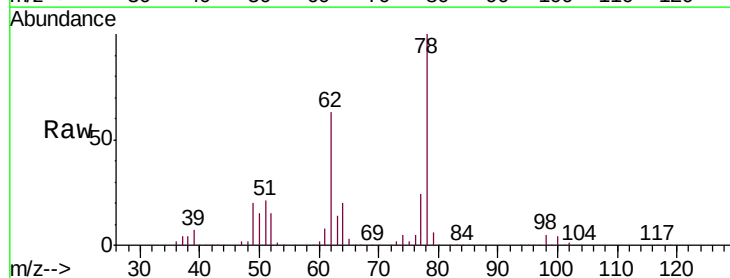
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

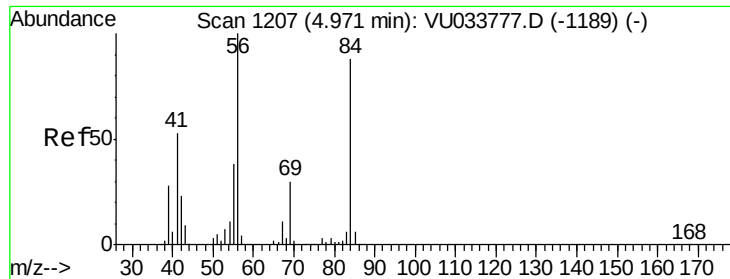
Tgt Ion: 83 Resp: 1252510
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 192.892 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion: 62 Resp: 998364
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0

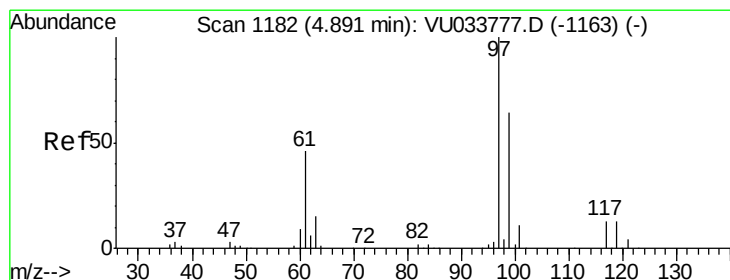
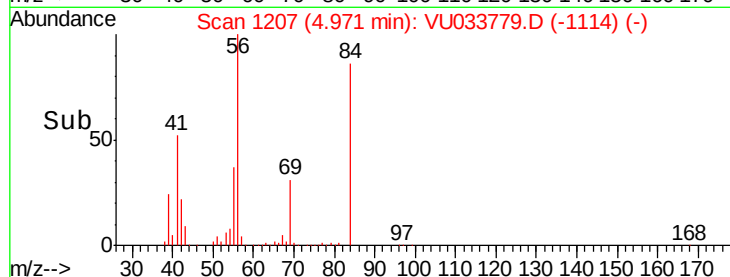
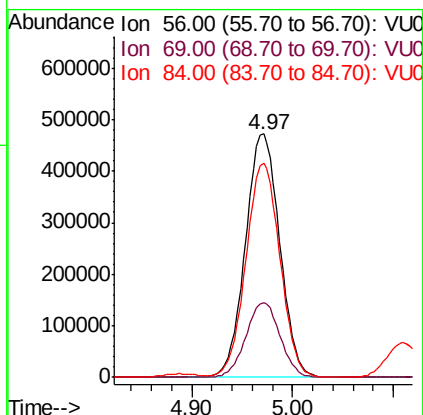
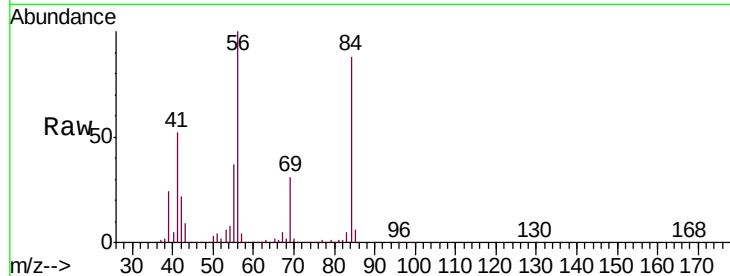




#29
Cyclohexane
Concen: 222.432 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

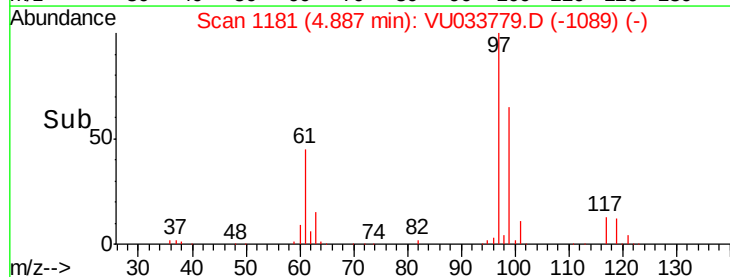
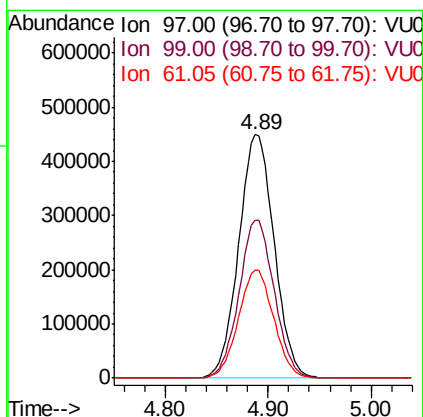
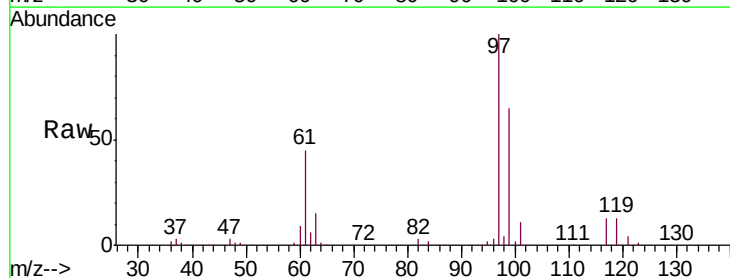
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

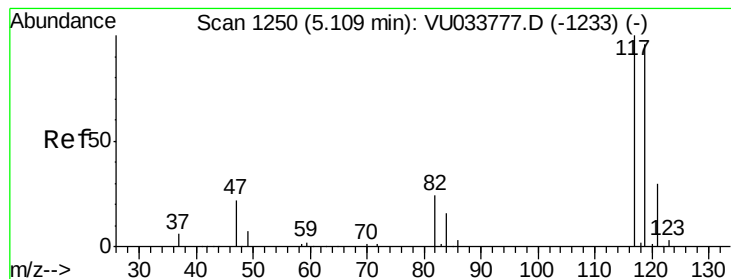
Tgt Ion: 56 Resp: 1111823
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 87.3 70.3 105.5



#30
1,1,1-Trichloroethane
Concen: 197.703 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion: 97 Resp: 1073497
Ion Ratio Lower Upper
97 100
99 64.4 50.9 76.3
61 44.4 36.6 54.8





#31

Carbon tetrachloride

Concen: 201.234 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

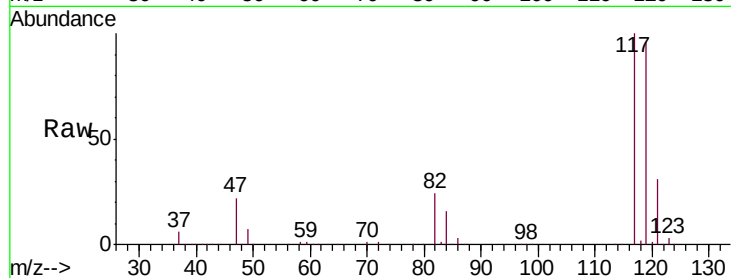
VSTD20031

Tgt Ion:117 Resp: 971944

Ion Ratio Lower Upper

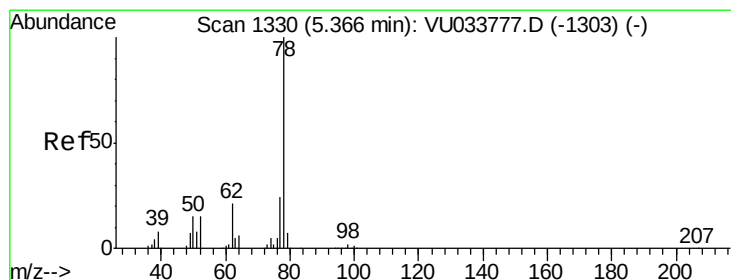
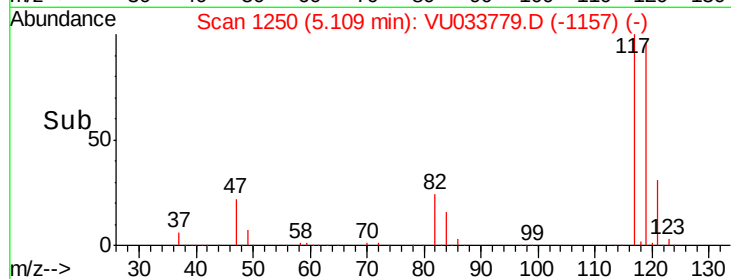
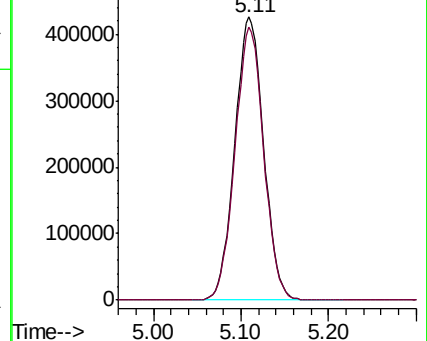
117 100

119 95.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 202.233 ug/L

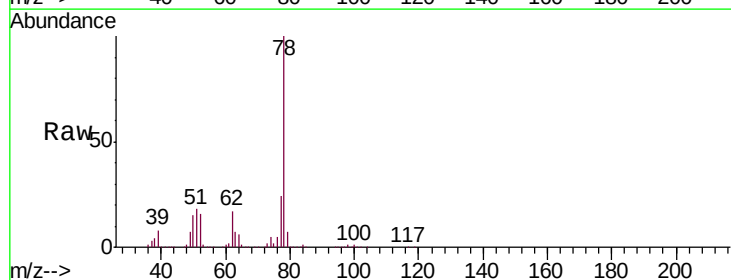
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

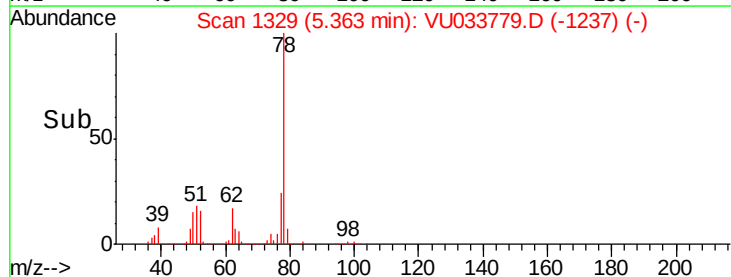
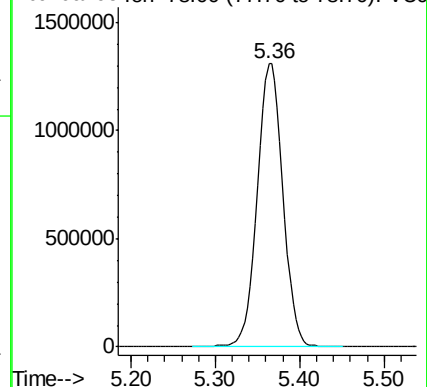
Lab File: VU033779.D

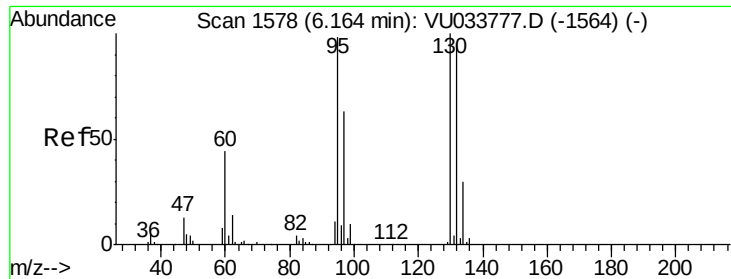
Acq: 13 Aug 2019 10:53

Tgt Ion: 78 Resp: 2764428



Abundance Ion 78.00 (77.70 to 78.70): VU0

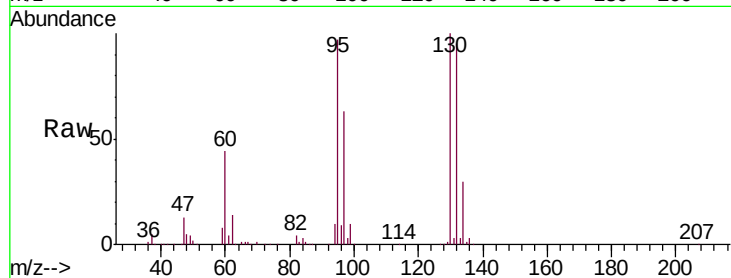




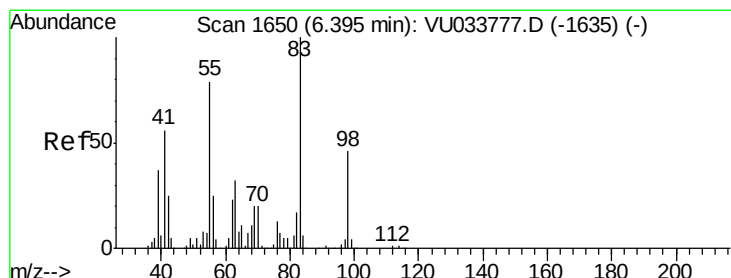
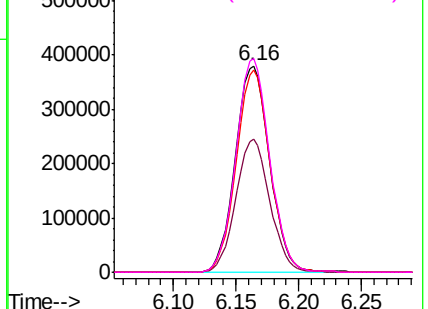
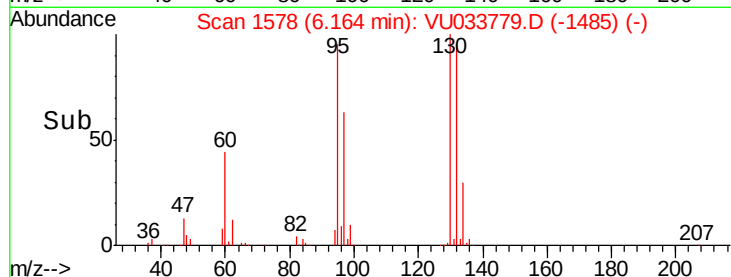
#34
 Trichloroethene
 Concen: 203.586 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Tgt Ion:	95	Resp:	725255
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.7
132	98.0	67.9	126.1
130	103.5	71.6	133.0

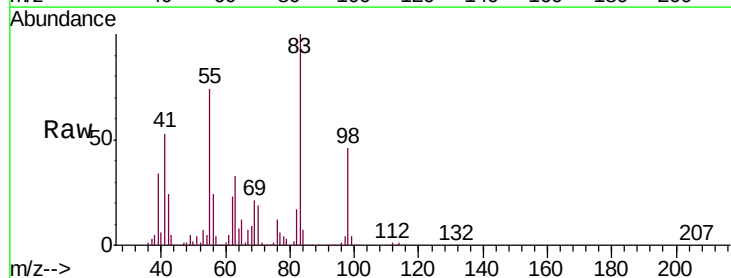


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

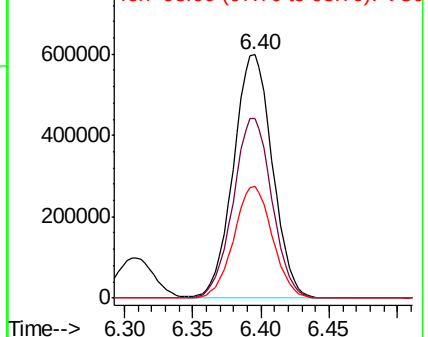
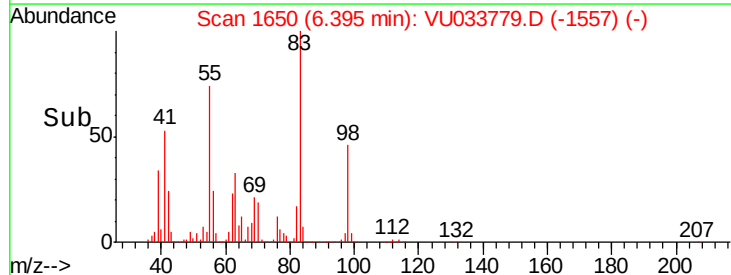


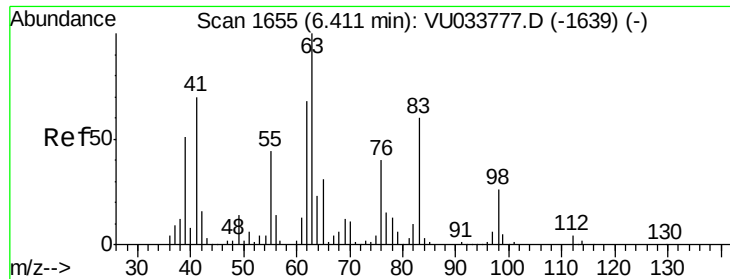
#35
 Methylcyclohexane
 Concen: 218.022 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion:	83	Resp:	1185238
Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.2	93.4
98	45.4	35.8	53.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

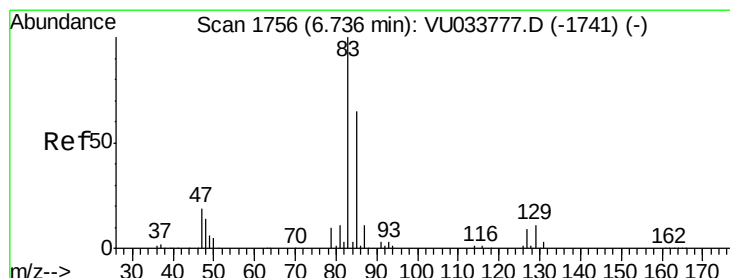
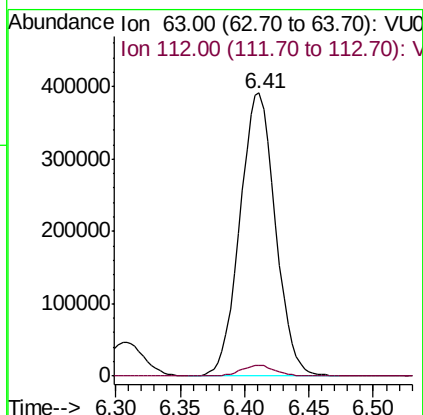
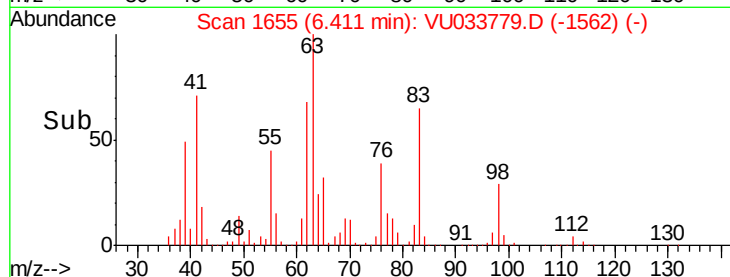
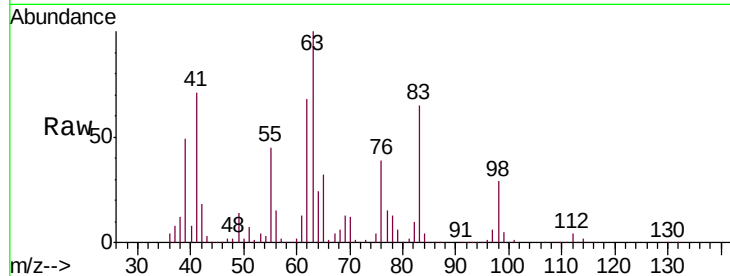




#37
 1,2-Dichloropropane
 Concen: 202.888 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

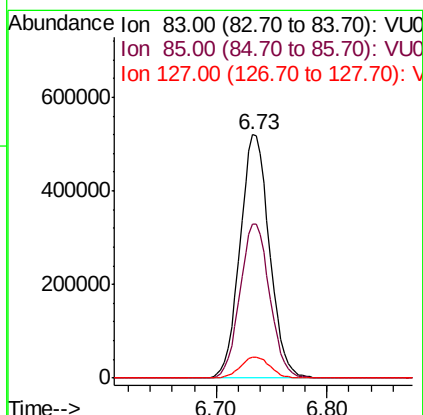
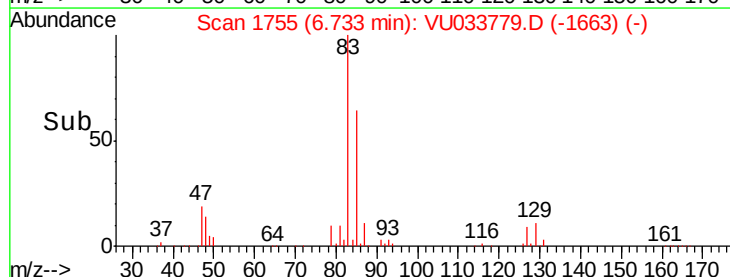
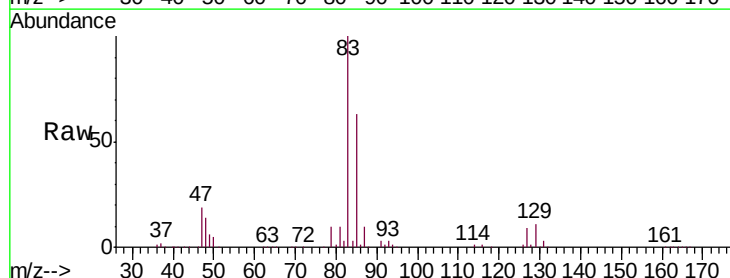
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

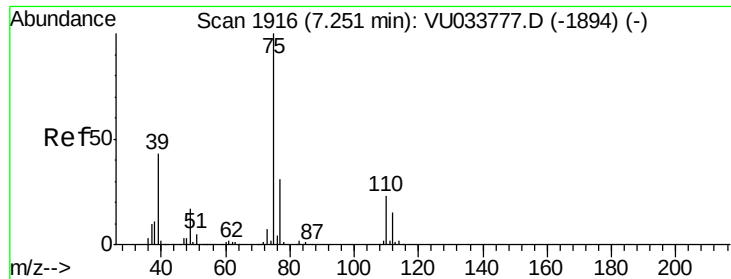
Tgt Ion: 63 Resp: 747456
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 198.426 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion: 83 Resp: 958946
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.8 85.0
 127 8.7 7.4 11.0

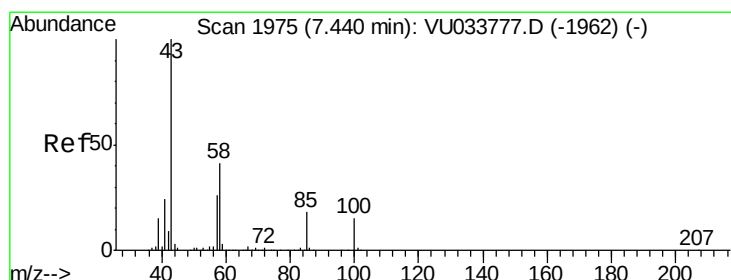
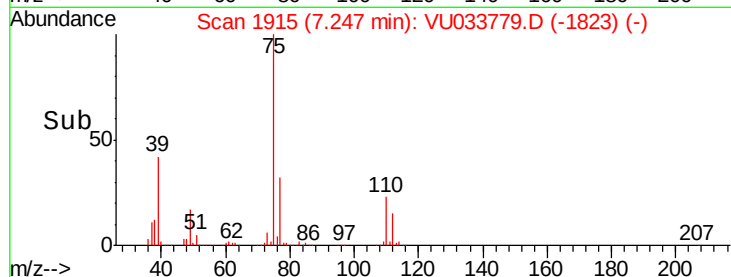
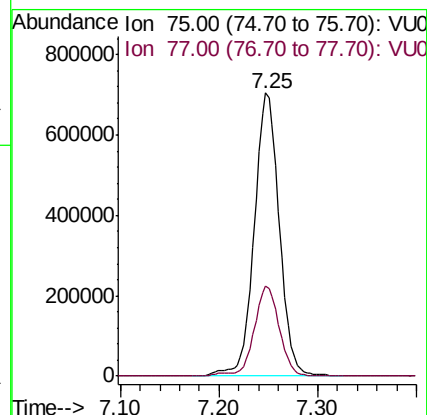
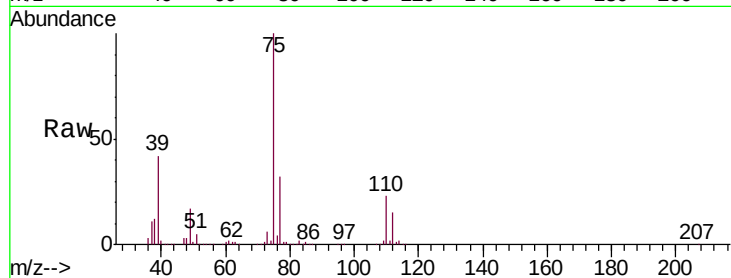




#39
 cis-1,3-Dichloropropene
 Concen: 225.086 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

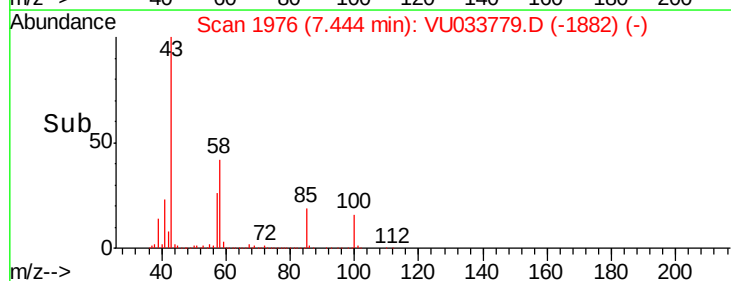
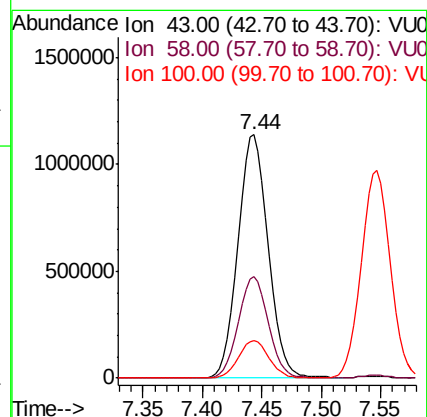
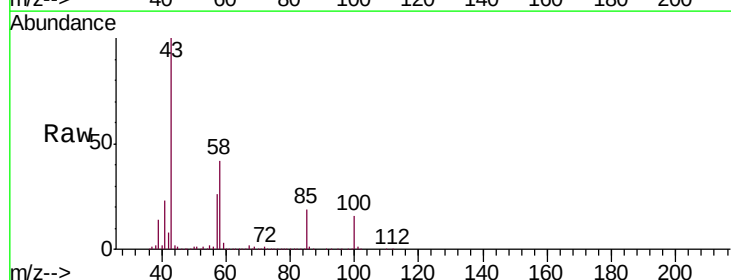
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

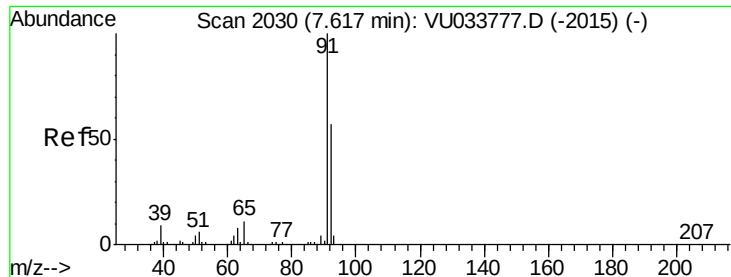
Tgt Ion: 75 Resp: 1231430
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 417.683 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion: 43 Resp: 2005956
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.5 48.7
 100 15.6 12.2 18.2





#42

Toluene

Concen: 208.635 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

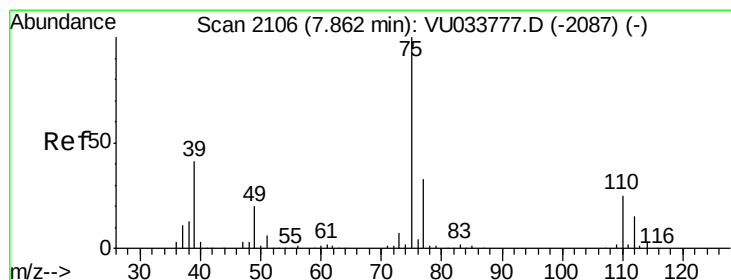
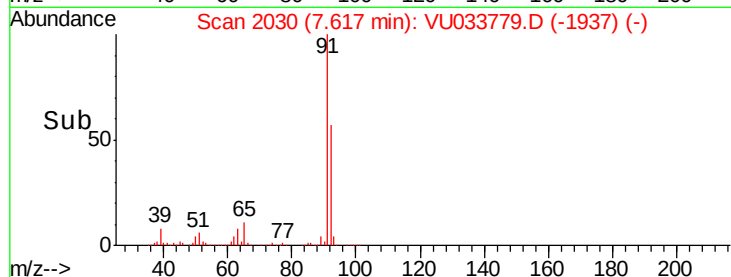
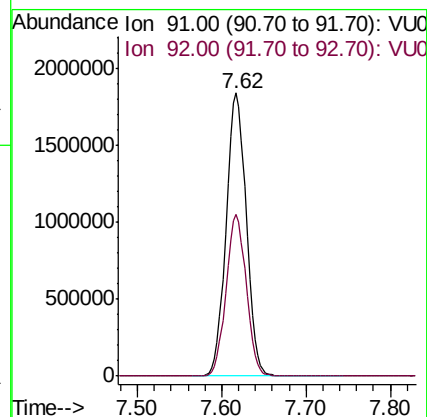
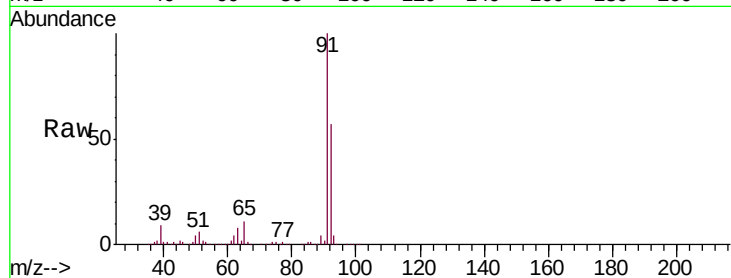
VSTD20031

Tgt Ion: 91 Resp: 3055476

Ion Ratio Lower Upper

91 100

92 57.0 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 220.521 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033779.D

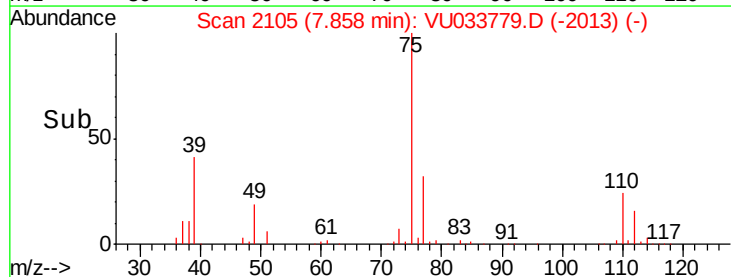
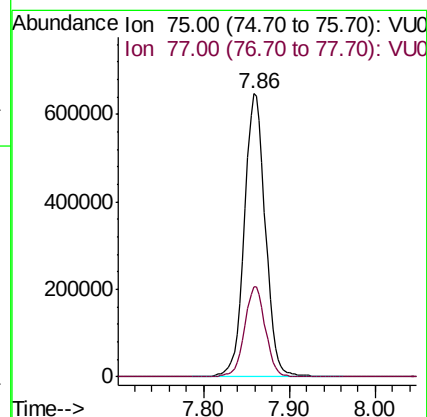
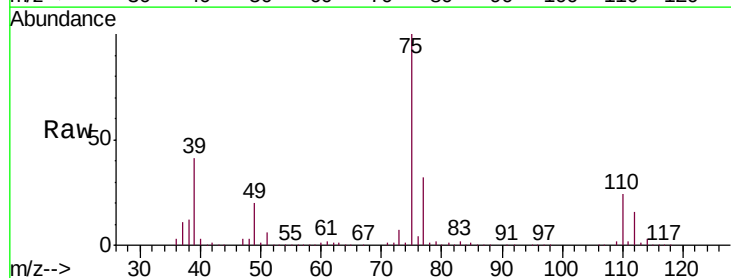
Acq: 13 Aug 2019 10:53

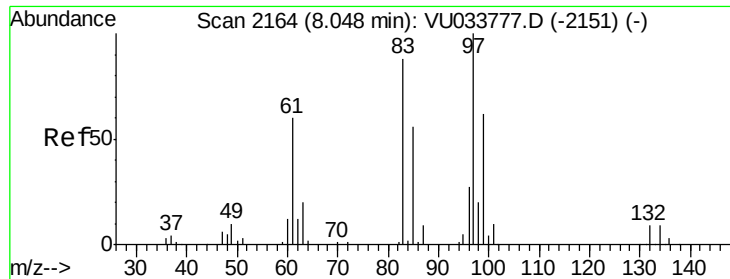
Tgt Ion: 75 Resp: 1096556

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3

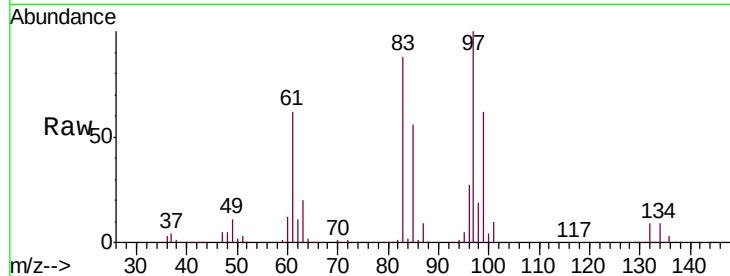




#45
 1,1,2-Trichloroethane
 Concen: 196.388 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

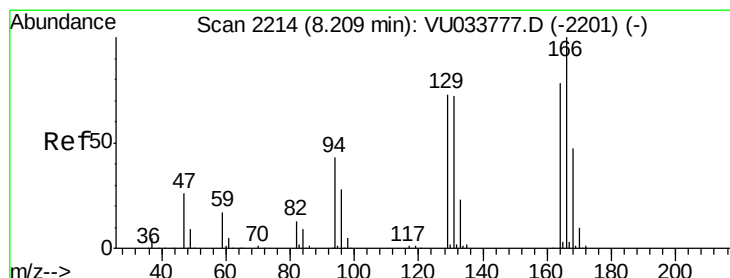
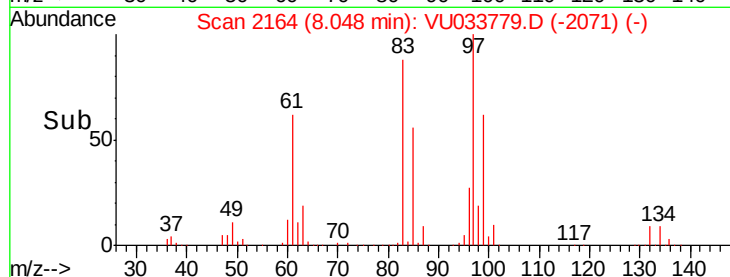
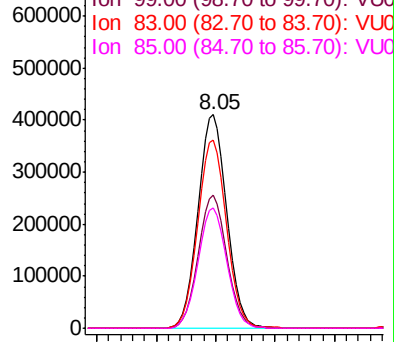
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Tgt Ion:	97	Resp:	687004
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.9
83	87.8	61.8	114.8
85	56.4	39.1	72.7



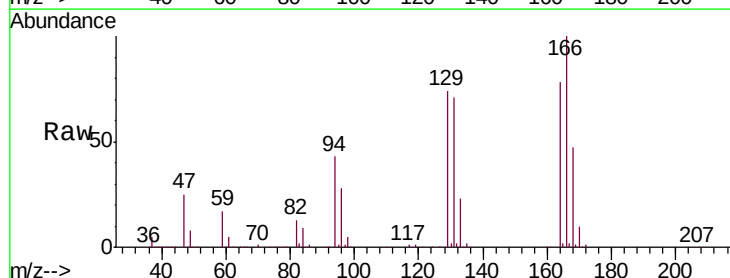
Abundance

Ion 97.00 (96.70 to 97.70): VU033779.D (-2151) (-)



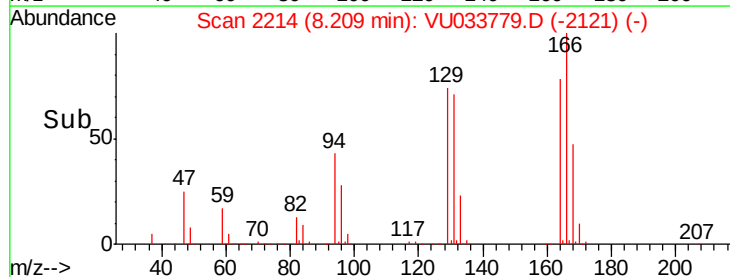
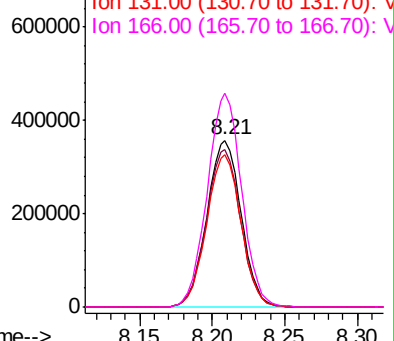
#46
 Tetrachloroethene
 Concen: 202.256 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

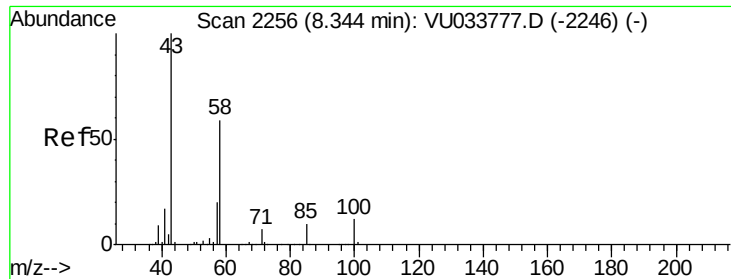
Tgt Ion:	164	Resp:	587847
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.5	121.6
131	91.2	64.0	119.0
166	128.1	89.4	166.0



Abundance

Ion 164.00 (163.70 to 164.70): VU033779.D (-2211) (-)

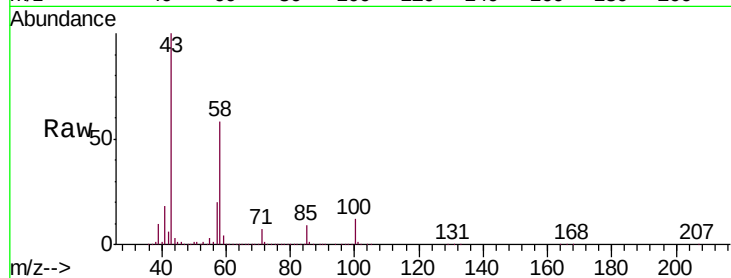




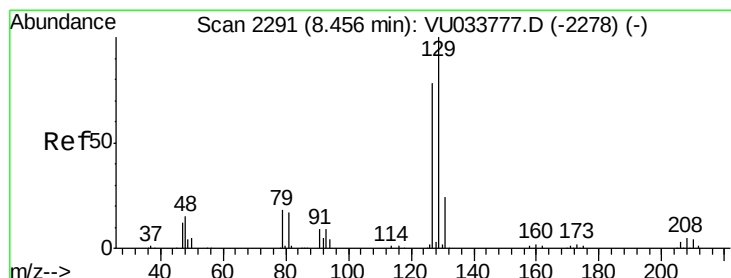
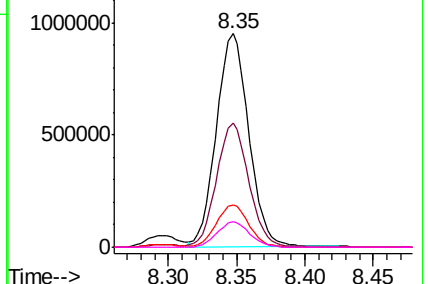
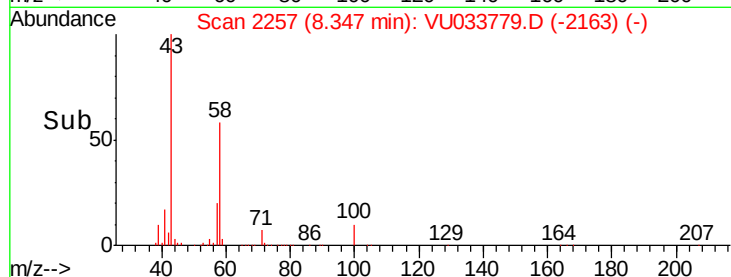
#48
2-Hexanone
Concen: 403.882 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion: 43 Resp: 1569645
Ion Ratio Lower Upper
43 100
58 58.0 45.4 68.0
57 20.1 15.4 23.0
100 12.1 9.4 14.2

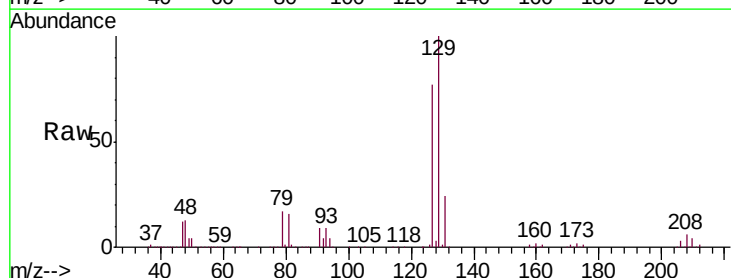


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

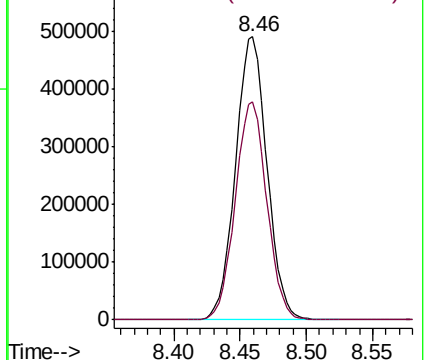
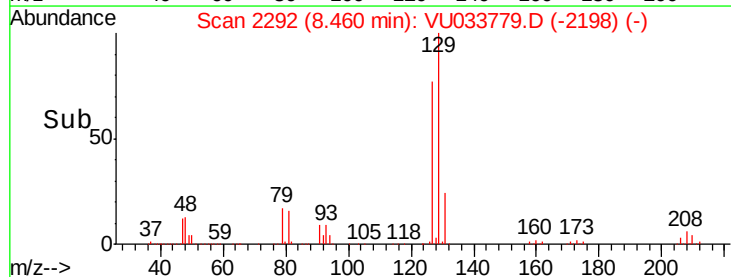


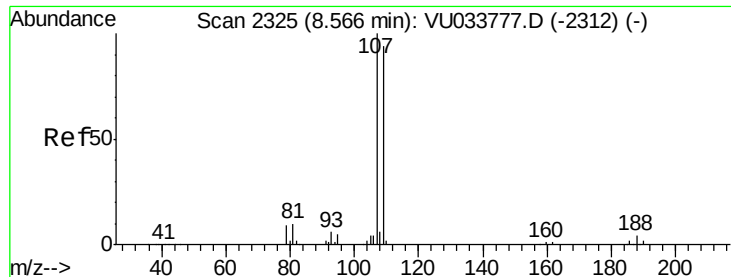
#49
Dibromochloromethane
Concen: 207.040 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion: 129 Resp: 810419
Ion Ratio Lower Upper
129 100
127 76.9 54.4 101.0



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

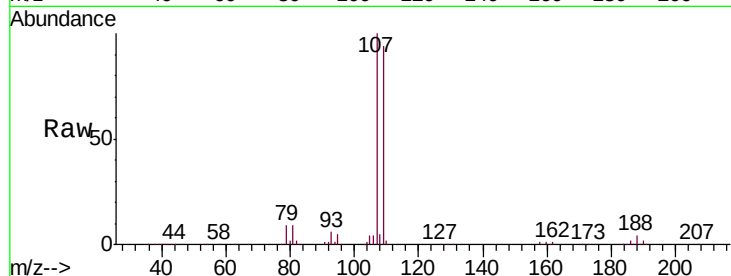




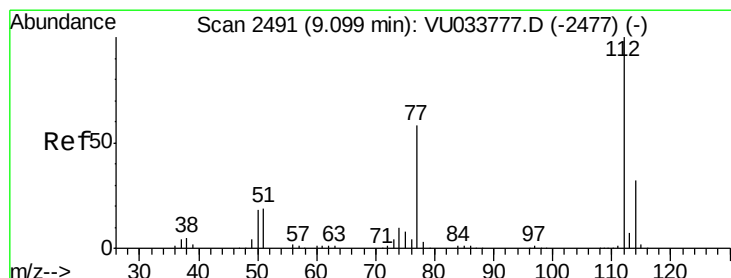
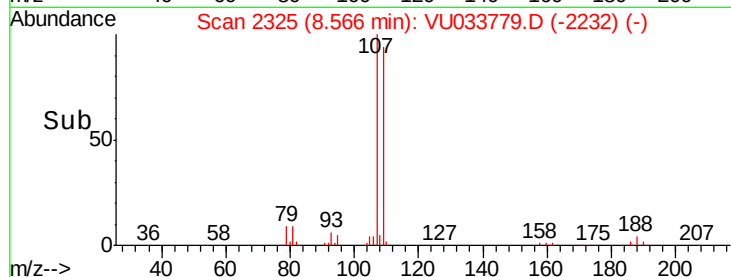
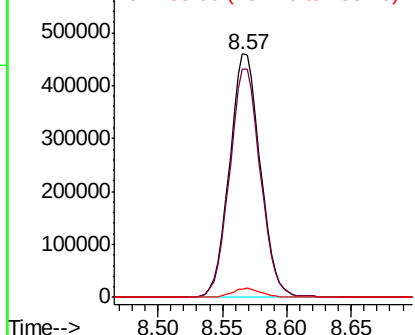
#50
1,2-Dibromoethane
Concen: 201.308 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion:107 Resp: 762142
Ion Ratio Lower Upper
107 100
109 93.8 66.0 122.6
188 3.5 3.0 4.6

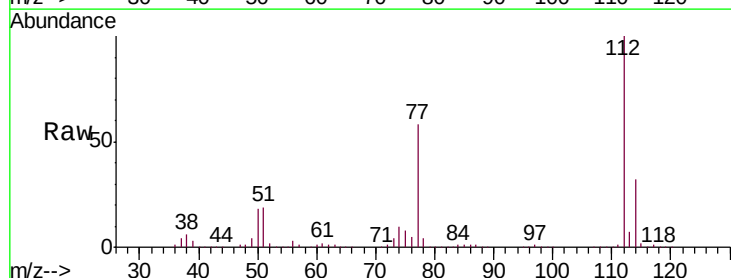


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

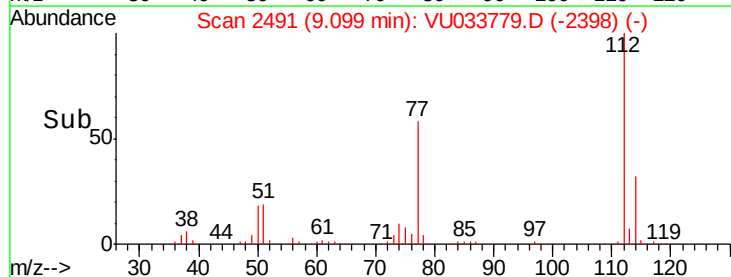
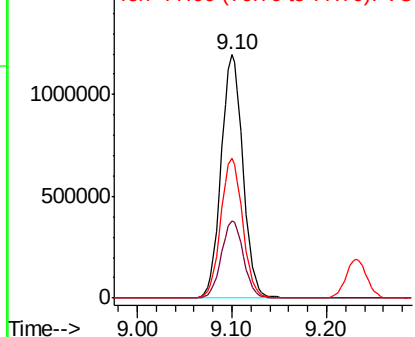


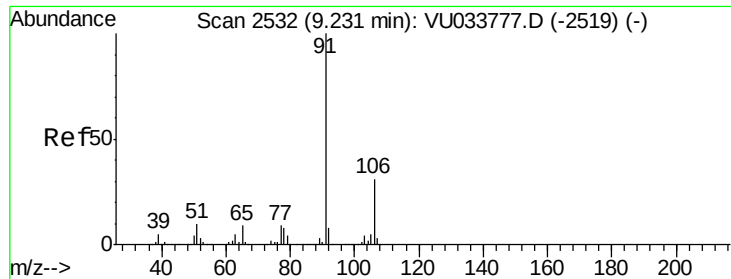
#51
Chlorobenzene
Concen: 197.640 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion:112 Resp: 1915244
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 57.6 46.2 69.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 212.944 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

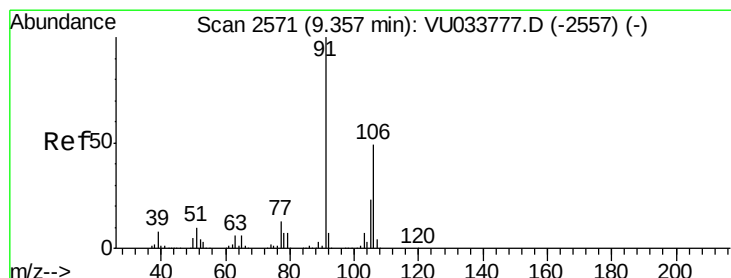
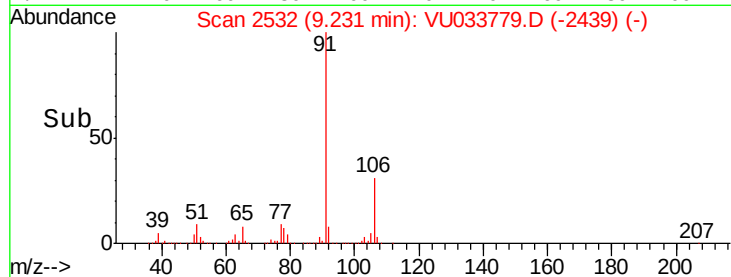
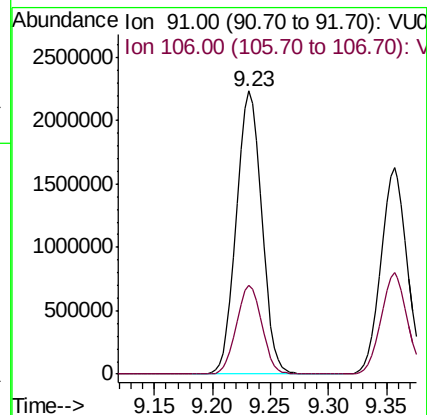
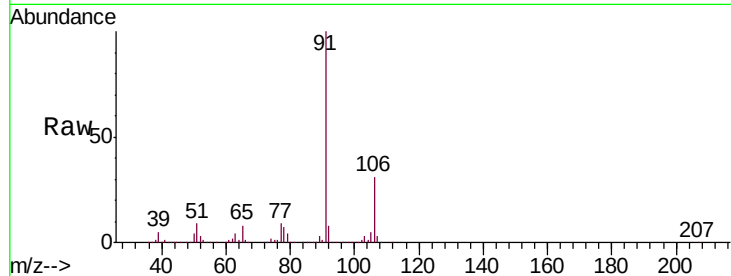
VSTD20031

Tgt Ion: 91 Resp: 3372169

Ion Ratio Lower Upper

91 100

106 31.2 22.0 41.0



#53

m,p-Xylene

Concen: 212.086 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033779.D

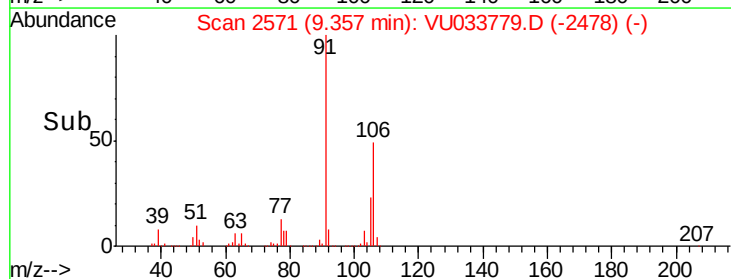
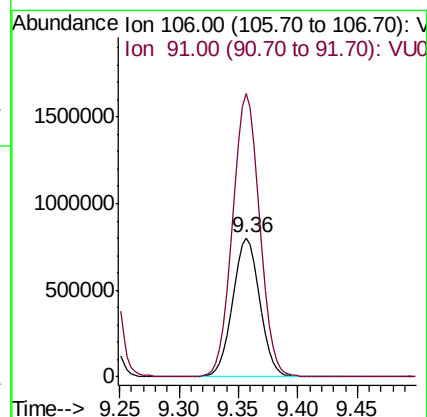
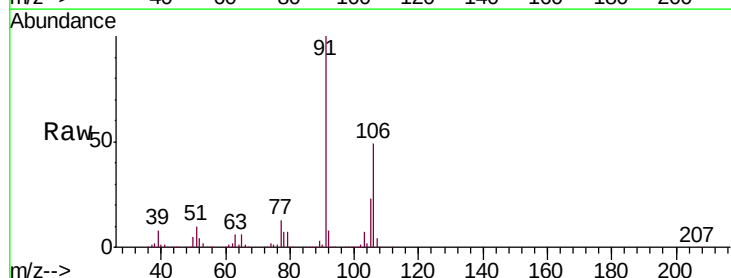
Acq: 13 Aug 2019 10:53

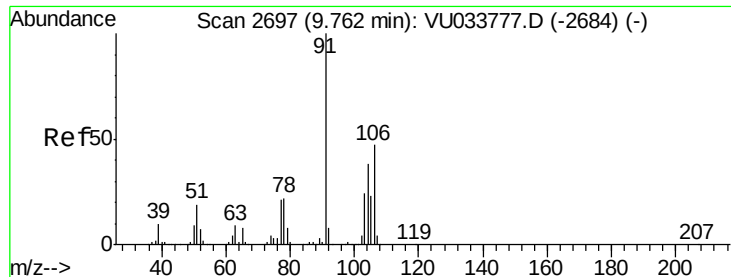
Tgt Ion: 106 Resp: 1263826

Ion Ratio Lower Upper

106 100

91 203.9 142.1 263.9





#54

o-xylene

Concen: 216.123 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

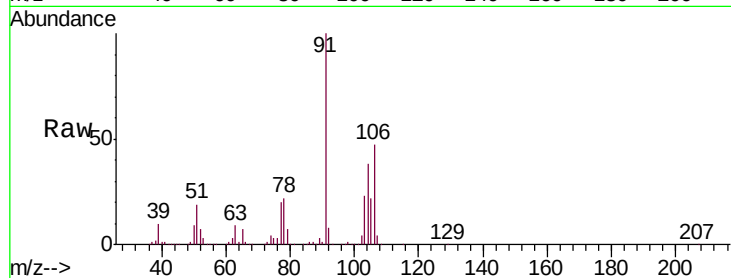
VSTD20031

Tgt Ion:106 Resp: 1262243

Ion Ratio Lower Upper

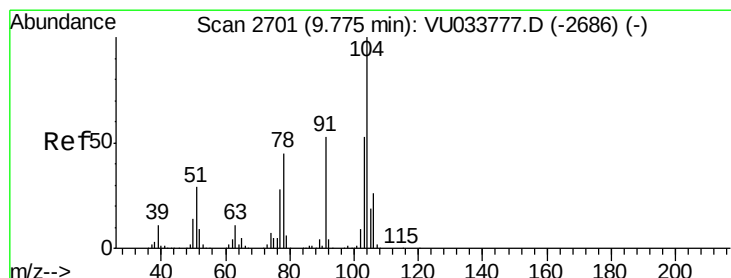
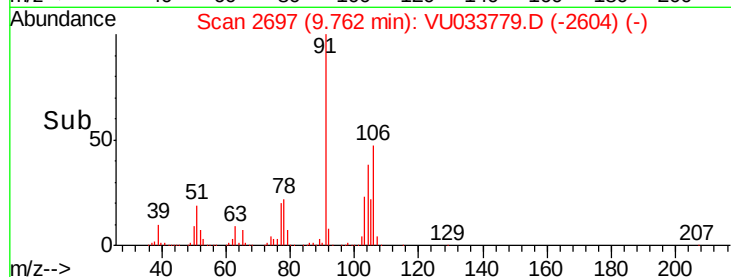
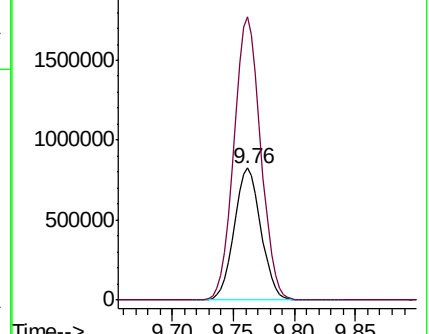
106 100

91 214.6 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 220.040 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033779.D

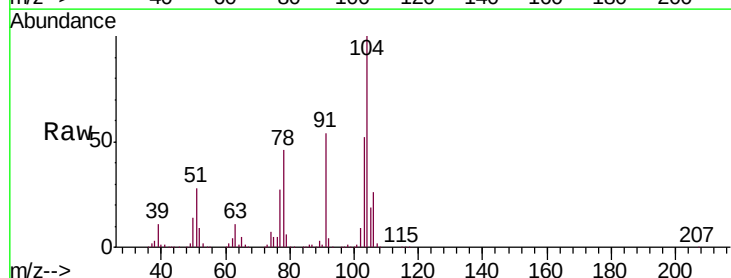
Acq: 13 Aug 2019 10:53

Tgt Ion:104 Resp: 2183352

Ion Ratio Lower Upper

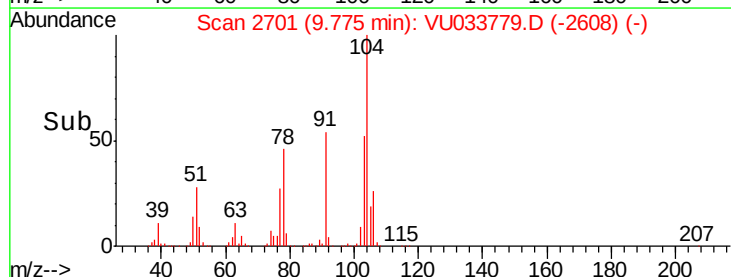
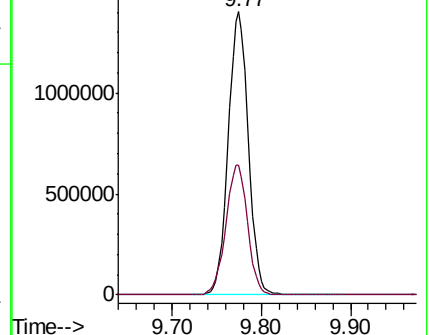
104 100

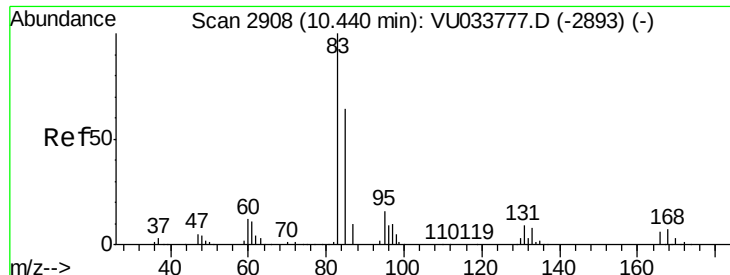
78 45.9 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 190.542 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

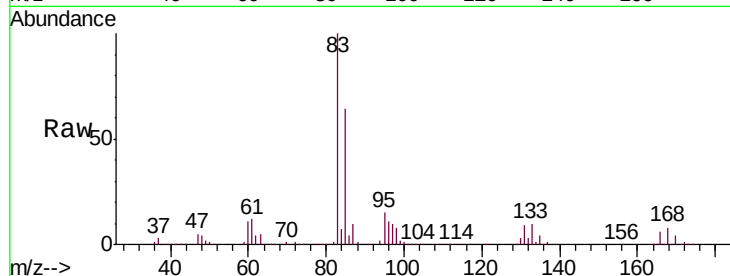
Tgt Ion: 83 Resp: 1176398

Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.7	83.1
131	9.4	7.8	11.6

83 100

85 64.4 44.7 83.1

131 9.4 7.8 11.6

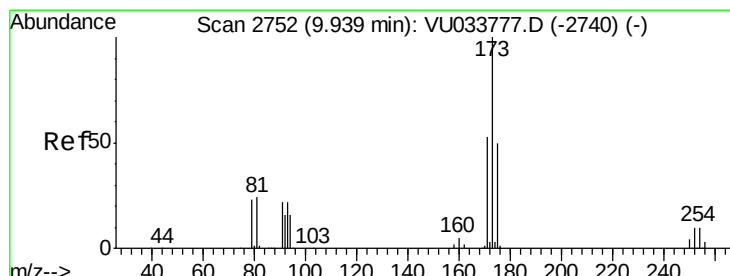
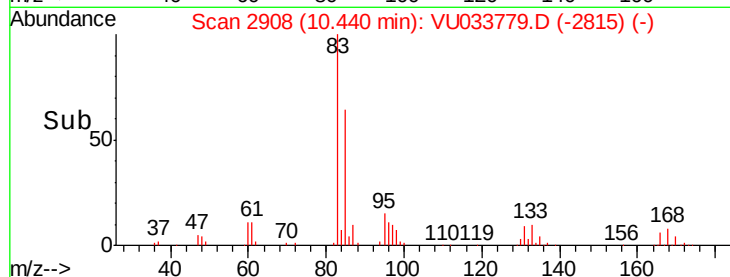
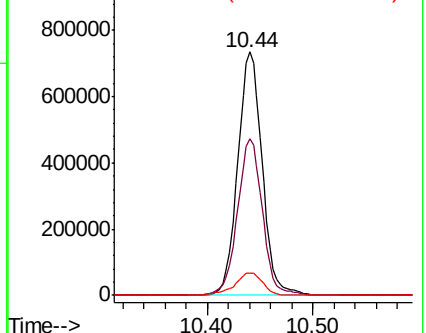


Abundance

Ion 83.00 (82.70 to 83.70): VU033777.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2893) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2893) (-)



#59

Bromoform

Concen: 201.794 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

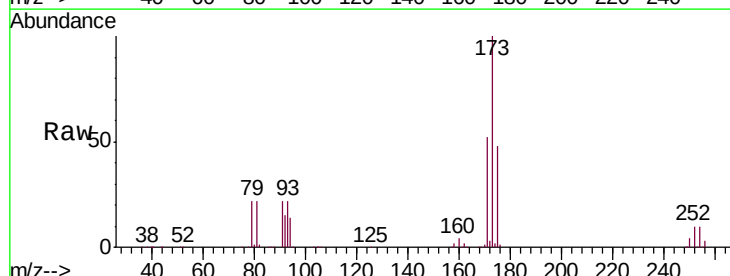
Tgt Ion: 173 Resp: 626597

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.9	58.3
254	9.7	7.4	11.0

173 100

175 48.2 38.9 58.3

254 9.7 7.4 11.0

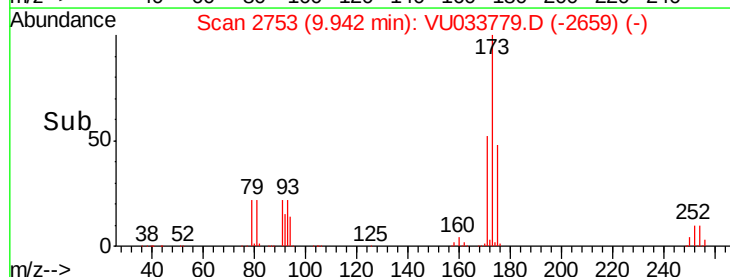
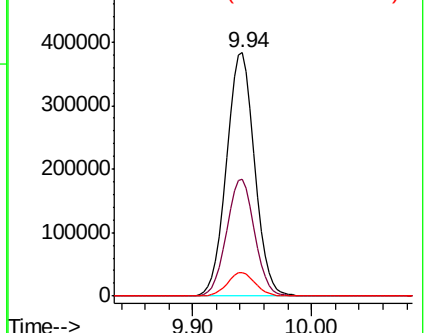


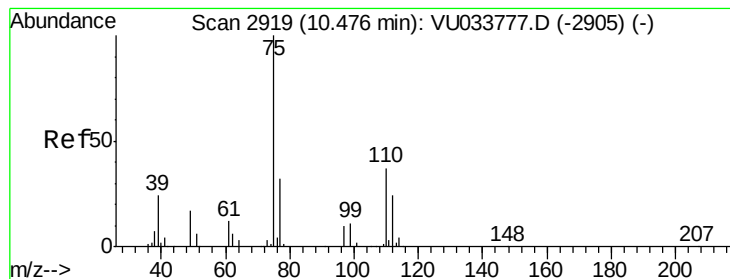
Abundance

Ion 173.00 (172.70 to 173.70): VU033777.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033777.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033777.D (-2740) (-)





#60

1,2,3-Trichloropropane

Concen: 182.336 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

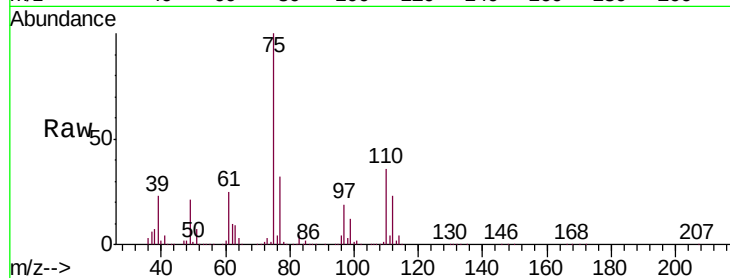
Tgt Ion: 75 Resp: 916733

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

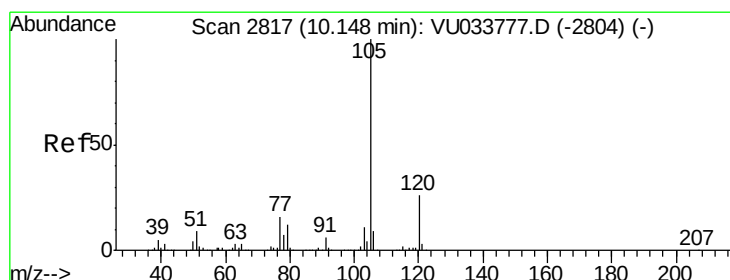
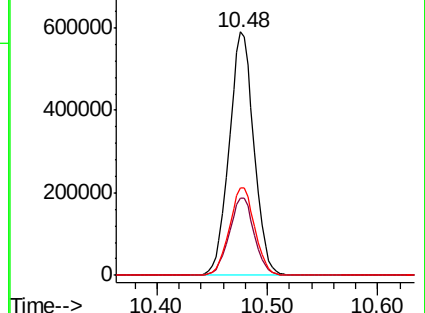
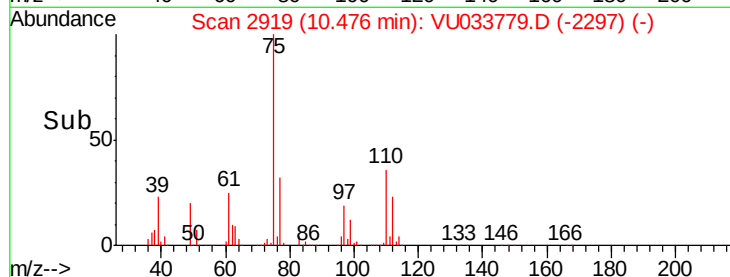
110 36.9 29.7 44.5



Abundance Ion 75.00 (74.70 to 75.70): VU033777.D (-2905) (-)

Ion 77.00 (76.70 to 77.70): VU033777.D (-2905) (-)

Ion 110.00 (109.70 to 110.70): VU033777.D (-2905) (-)



#61

Isopropylbenzene

Concen: 207.763 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

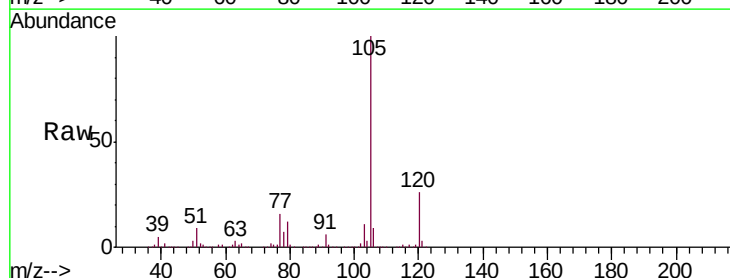
Tgt Ion: 105 Resp: 3279244

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

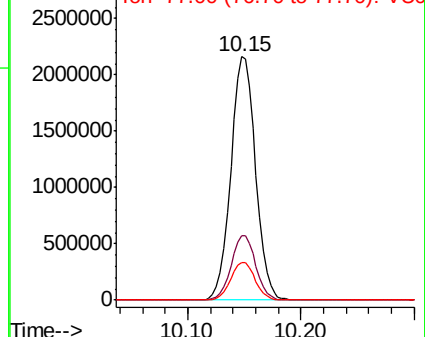
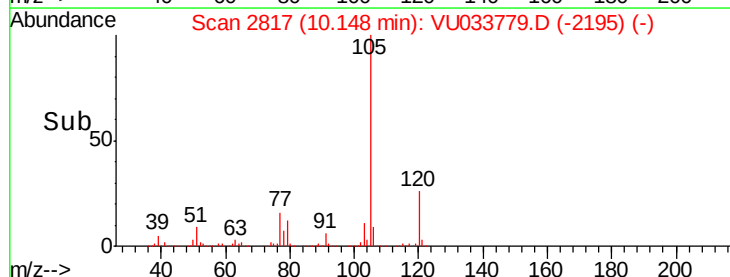
77 15.6 12.8 19.2

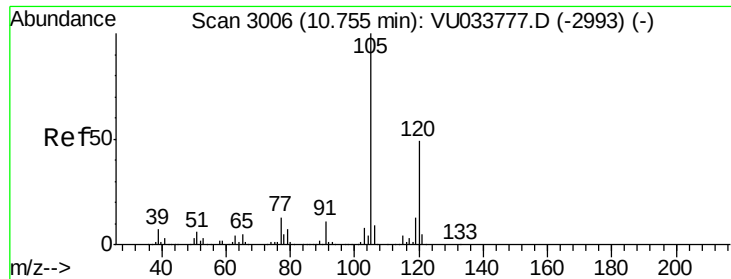


Abundance Ion 105.00 (104.70 to 105.70): VU033777.D (-2804) (-)

Ion 120.00 (119.70 to 120.70): VU033777.D (-2804) (-)

Ion 77.00 (76.70 to 77.70): VU033777.D (-2804) (-)

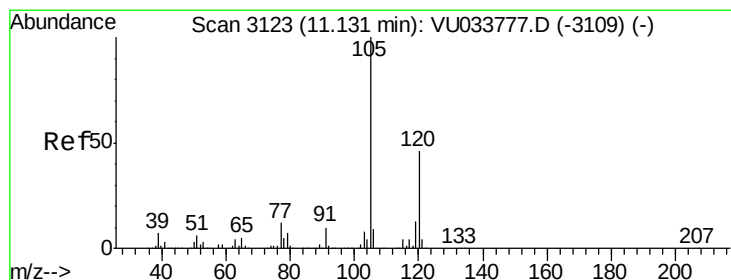
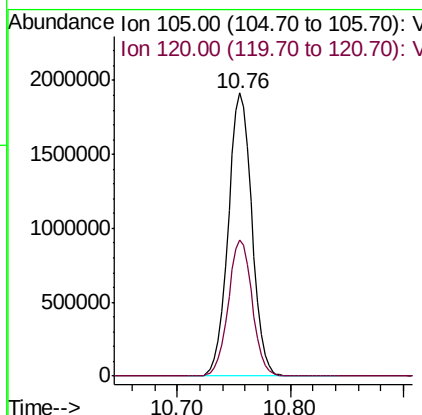
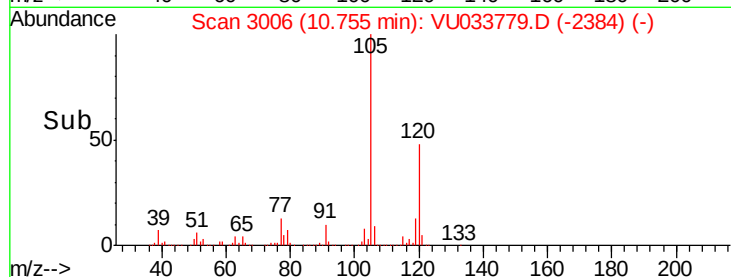
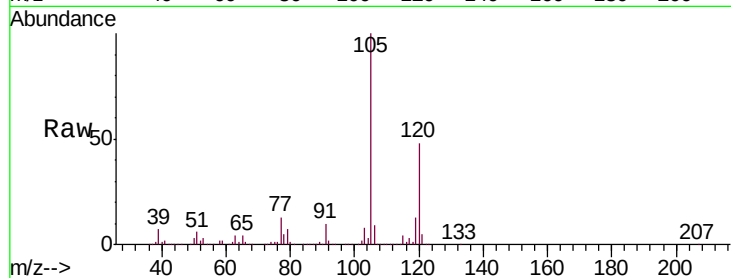




#62
 1,3,5-Trimethylbenzene
 Concen: 217.808 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

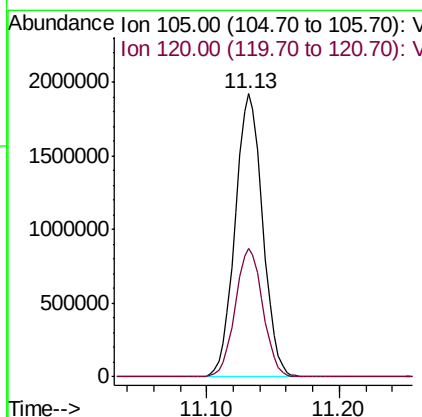
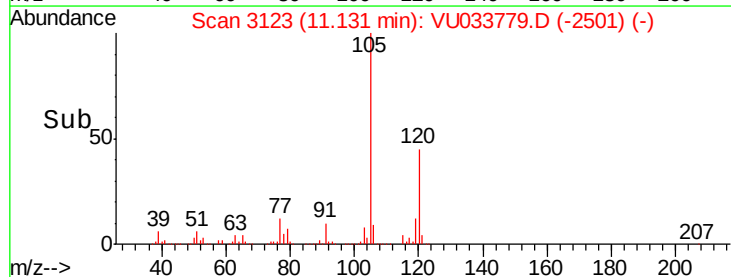
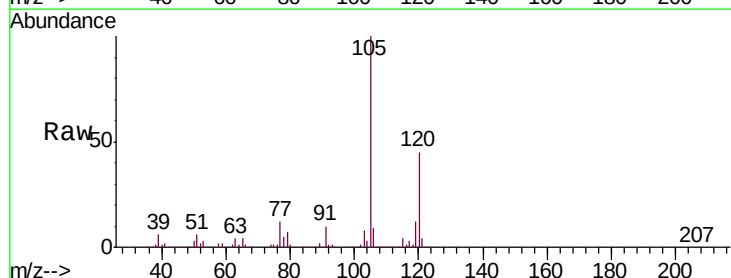
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

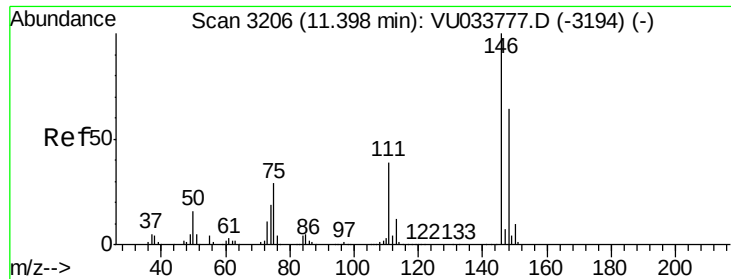
Tgt Ion:105 Resp: 2777024
 Ion Ratio Lower Upper
 105 100
 120 48.5 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 218.368 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion:105 Resp: 2763203
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.6 55.0

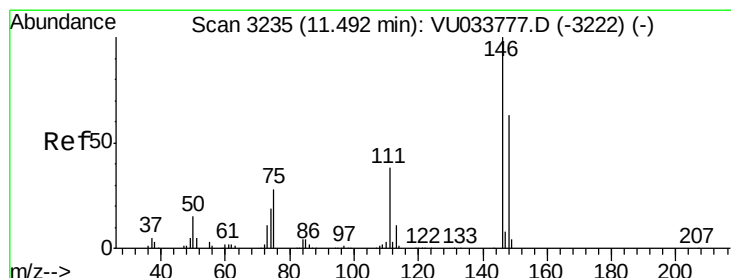
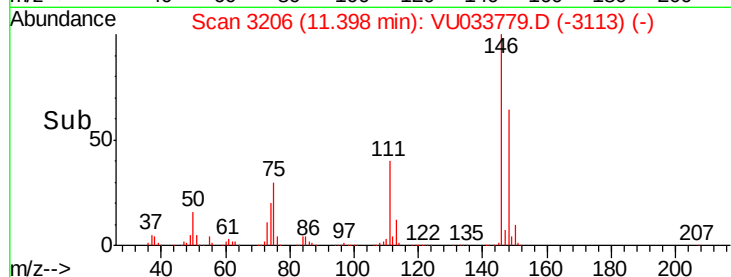
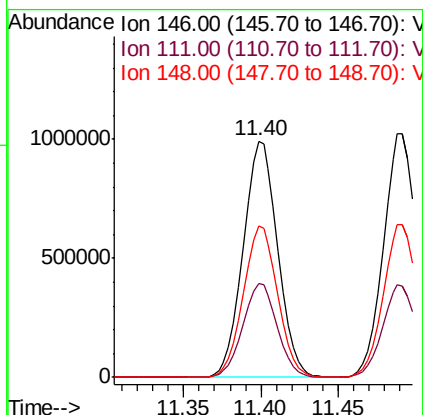
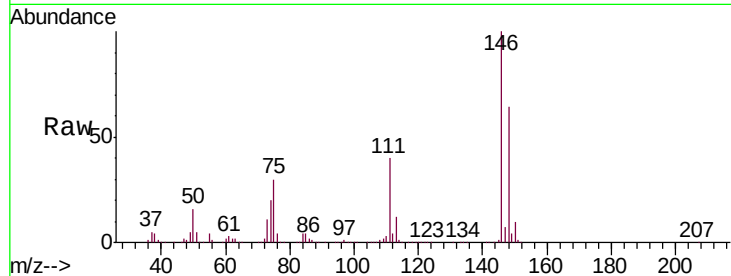




#64
 1,3-Dichlorobenzene
 Concen: 191.135 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

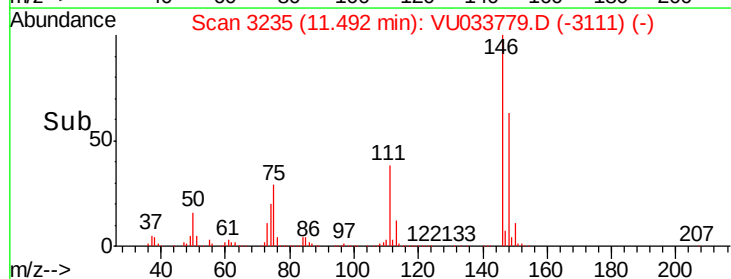
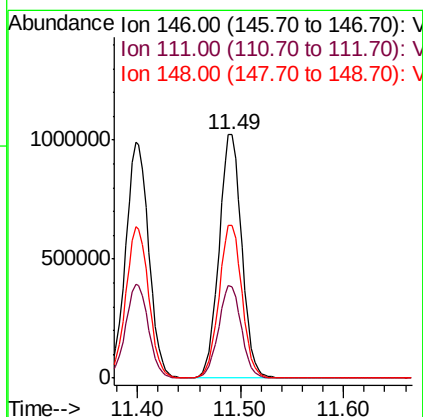
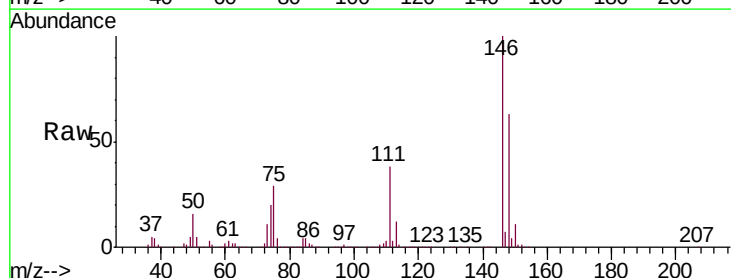
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

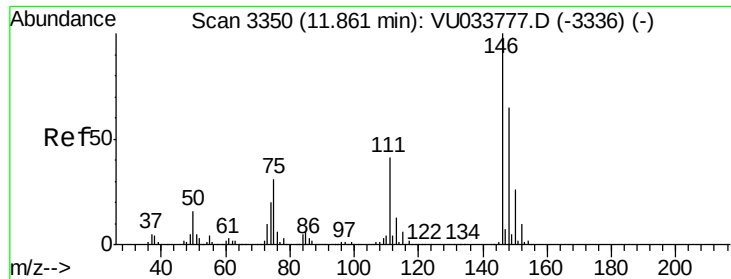
Tgt Ion:146 Resp: 1540308
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.1 50.3
 148 64.0 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 187.244 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion:146 Resp: 1561446
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.3
 148 62.9 43.9 81.5

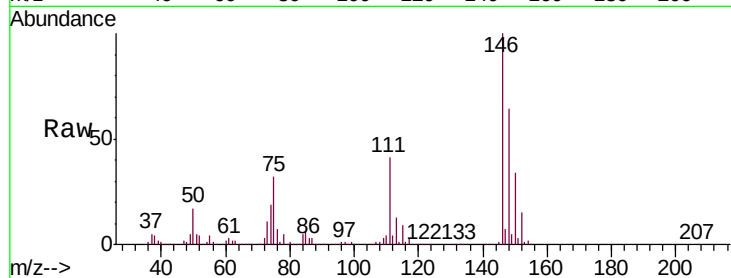




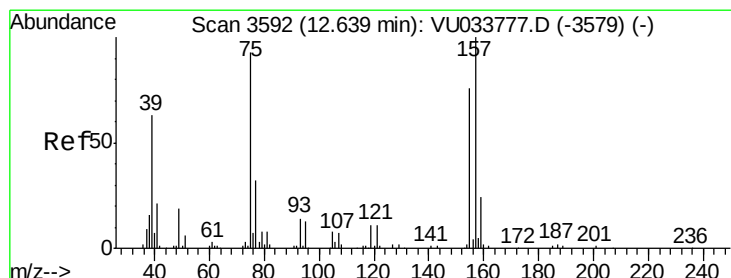
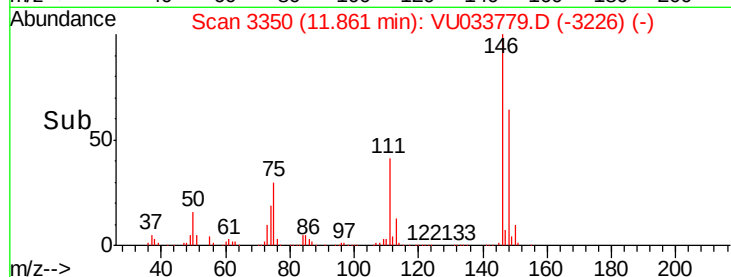
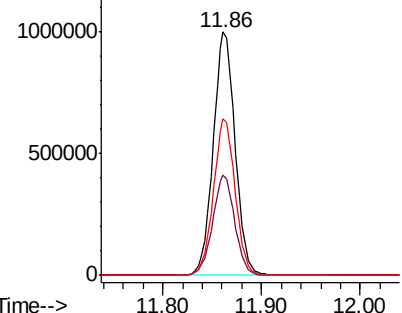
#67
 1,2-Dichlorobenzene
 Concen: 192.982 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Tgt Ion:146 Resp: 1553724
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.1 49.7
 148 64.3 51.8 77.8

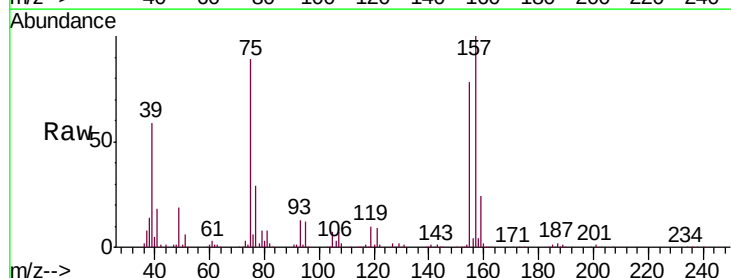


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

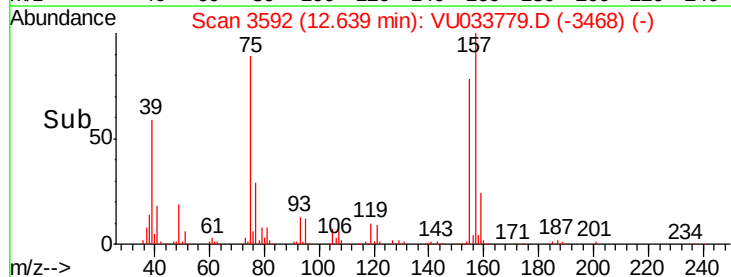
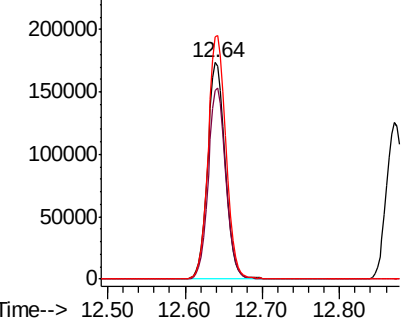


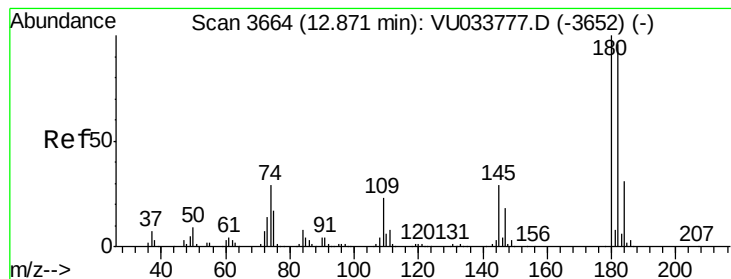
#68
 1,2-Dibromo-3-chloropropane
 Concen: 200.277 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033779.D
 Acq: 13 Aug 2019 10:53

Tgt Ion: 75 Resp: 279138
 Ion Ratio Lower Upper
 75 100
 155 87.4 65.9 98.9
 157 111.9 86.3 129.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 201.754 ug/L

RT: 12.87 min Scan# 3665

Delta R.T. 0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Instrument :

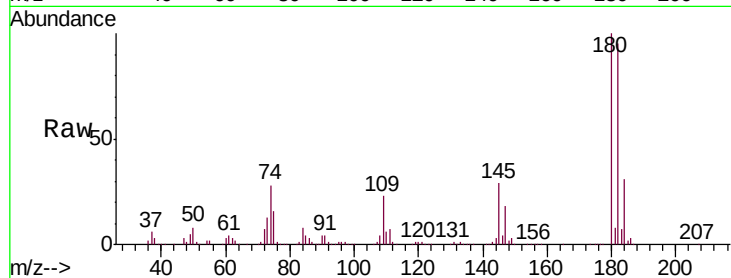
MSVOA_U

ClientSampleId :

VSTD20031

Tgt Ion:180 Resp: 1233657

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.2	115.8
184	30.5	24.5	36.7
145	29.1	23.4	35.0

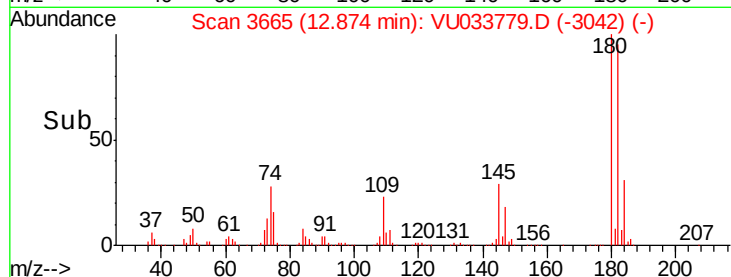


Abundance Ion 180.00 (179.70 to 180.70): V

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



Time-->

12.87

800000

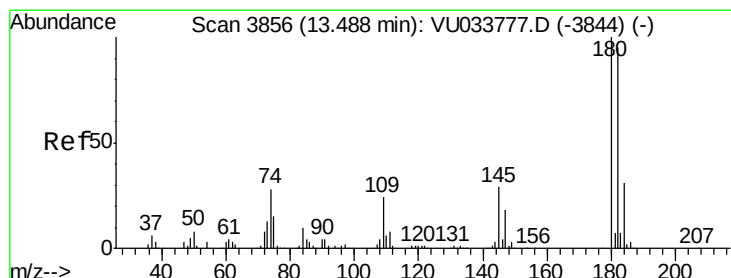
600000

400000

200000

0

12.80 12.90



#70

1,2,4-trichlorobenzene

Concen: 217.537 ug/L

RT: 13.49 min Scan# 3856

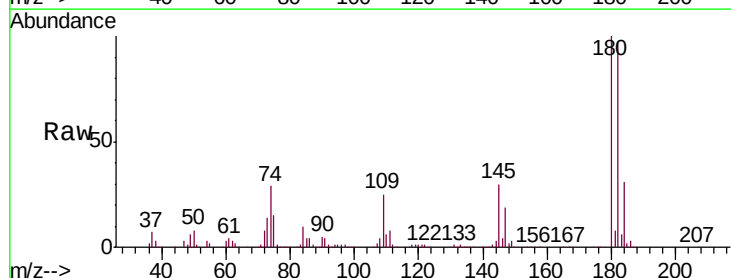
Delta R.T. -0.00 min

Lab File: VU033779.D

Acq: 13 Aug 2019 10:53

Tgt Ion:180 Resp: 1115606

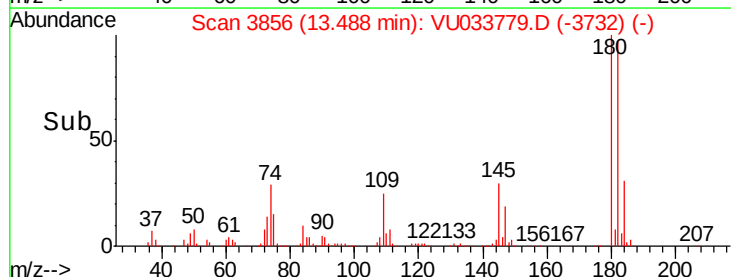
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.3	112.9
145	29.4	23.3	34.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

13.49

1000000

800000

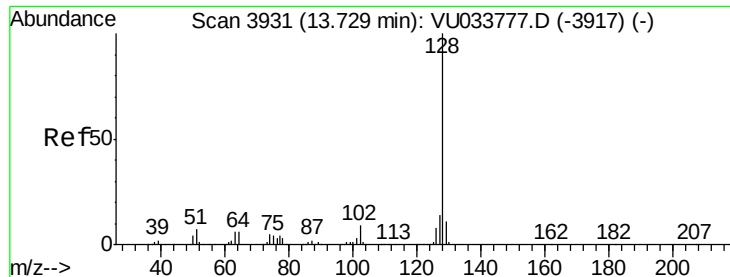
600000

400000

200000

0

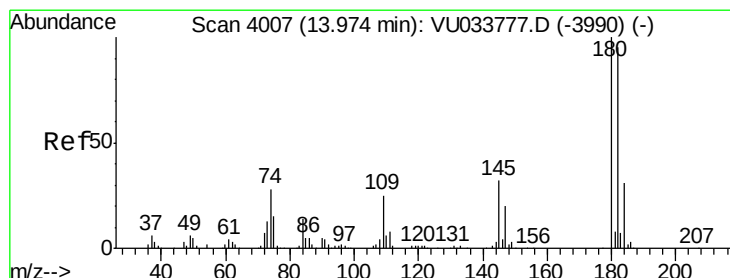
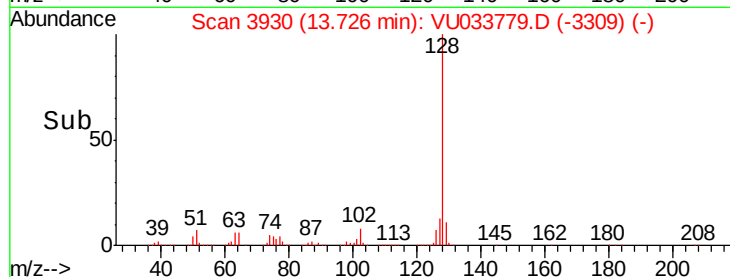
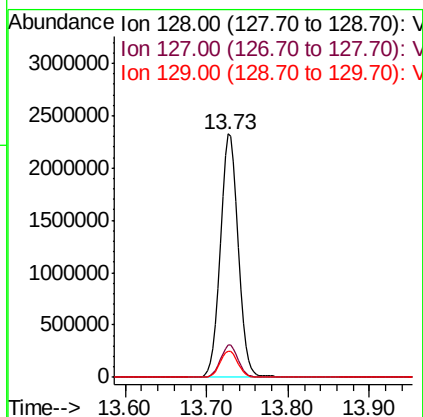
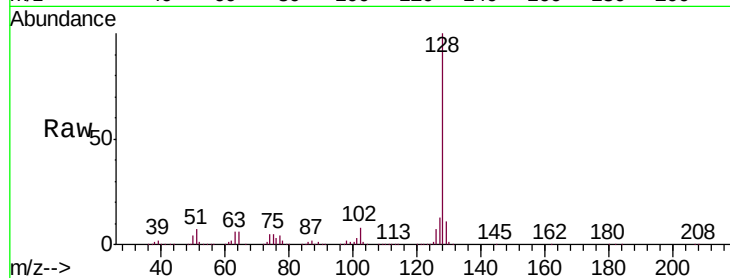
13.40 13.50 13.60



#71
Naphthalene
Concen: 242.337 ug/L
RT: 13.73 min Scan# 3930
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion:128 Resp: 3618419
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 207.533 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033779.D
Acq: 13 Aug 2019 10:53

Tgt Ion:180 Resp: 1111219
Ion Ratio Lower Upper
180 100
182 95.7 77.1 115.7
145 31.0 24.6 36.8

