

Data File : VU036153.D
Acq On : 12 Dec 2019 16:20
Operator : JC/MD
Sample : VSTD01003
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Quant Time: Dec 13 01:25:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 01:21:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	308596	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	317012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	168031	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	301514	10.48	ug/L	0.00
7) Chloroethane-d5	1.93	69	262489	9.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	403670	8.15	ug/L	0.00
20) 2-Butanone-d5	4.69	46	541985	111.31	ug/L	0.00
24) Chloroform-d	5.11	84	448105	9.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	227856	9.71	ug/L	0.00
32) Benzene-d6	5.77	84	899690	10.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	273060	10.81	ug/L	0.00
41) Toluene-d8	7.93	98	864873	11.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	117553	11.14	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	487736	128.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	241052	10.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	324986	9.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	321791	10.220 ug/L	99
3) Chloromethane	1.54	50	364493	11.212 ug/L	98
5) Vinyl chloride	1.62	62	392001	11.634 ug/L	99
6) Bromomethane	1.87	94	237545	9.394 ug/L	97
8) Chloroethane	1.95	64	234925	9.599 ug/L	100
9) Trichlorofluoromethane	2.16	101	479868	8.863 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	237569	8.009 ug/L	99
12) 1,1-Dichloroethene	2.61	96	216119	8.148 ug/L	98
13) Acetone	2.68	43	379629	64.706 ug/L	98
14) Carbon disulfide	2.82	76	731853	9.342 ug/L	99
15) Methyl Acetate	2.99	43	87969	9.662 ug/L	99
16) Methylene chloride	3.08	84	253400	7.927 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	494603	10.382 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	228984	9.715 ug/L	99
19) 1,1-Dichloroethane	3.92	63	426089	10.006 ug/L	99
21) 2-Butanone	4.77	43	589918	95.970 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	250737	10.194 ug/L	97
23) Bromochloromethane	5.02	128	118355	9.343 ug/L	96
25) Chloroform	5.13	83	448037	9.554 ug/L	97
27) 1,2-Dichloroethane	5.84	62	272833	9.822 ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	384745	10.274 ug/L	99
30) Cyclohexane	5.43	56	368502	12.310 ug/L	99
31) Carbon tetrachloride	5.57	117	346031	10.208 ug/L	99
33) Benzene	5.82	78	1007372	10.973 ug/L	100
34) Trichloroethene	6.58	95	249607	10.299 ug/L	97
35) Methylcyclohexane	6.80	83	386736	11.762 ug/L	99
37) 1,2-Dichloropropane	6.83	63	250739	10.829 ug/L	99
38) Bromodichloromethane	7.14	83	313175	10.172 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	351306	11.231 ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	1388398	114.787 ug/L	99

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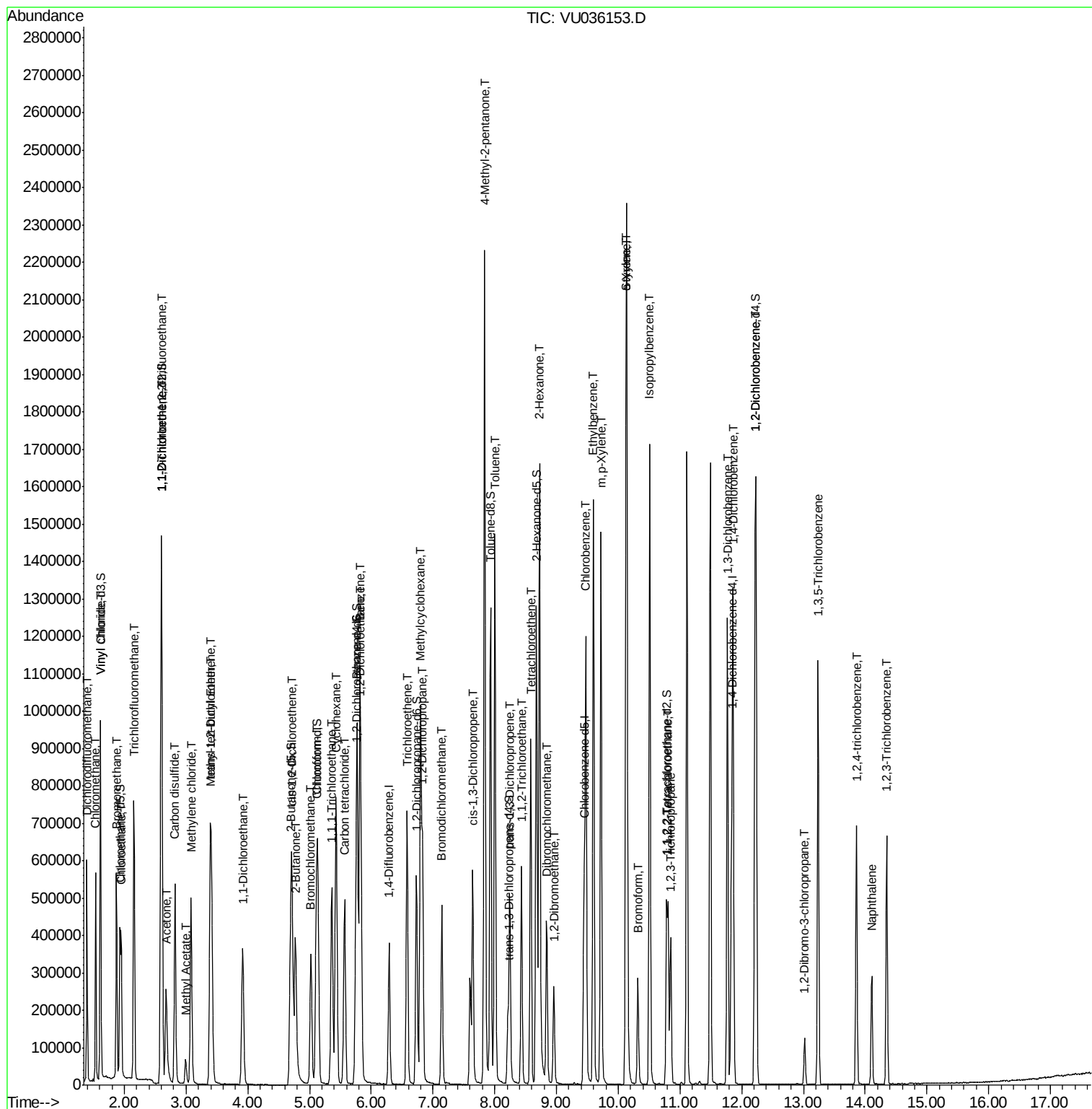
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1086414	11.045	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	293858	10.866	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	183614	10.181	ug/L	97
47) Tetrachloroethene	8.58	164	219645	9.671	ug/L	98
48) 2-Hexanone	8.73	43	1049776	124.210	ug/L	99
49) Dibromochloromethane	8.84	129	230615	9.997	ug/L	98
50) 1,2-Dibromoethane	8.96	107	174787	10.246	ug/L	99
51) Chlorobenzene	9.48	112	671764	10.095	ug/L	99
52) Ethylbenzene	9.60	91	1103686	11.097	ug/L	99
53) m,p-Xylene	9.72	106	444580	11.157	ug/L	96
54) o-Xylene	10.13	106	418600	10.993	ug/L	99
55) Styrene	10.14	104	741255	11.296	ug/L	97
56) Isopropylbenzene	10.51	105	1085432	10.795	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	231401	9.685	ug/L	95
59) 1,2,3-Trichloropropane	10.85	75	173666	10.534	ug/L	97
61) Bromoform	10.32	173	139621	8.214	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	550619	9.750	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	547453	9.912	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	525123	9.439	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	32127	9.297	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	373219	10.094	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	225088	11.512	ug/L	99
69) Naphthalene	14.11	128	230393	11.978	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	213829	11.178	ug/L	97

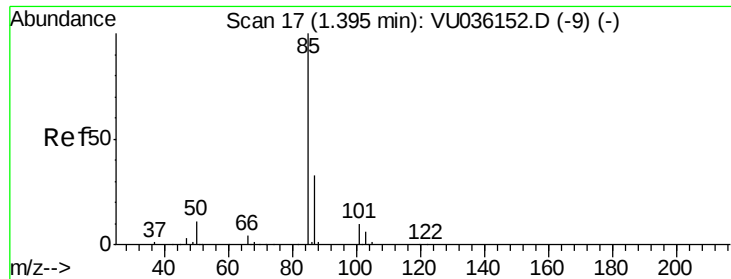
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.220 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

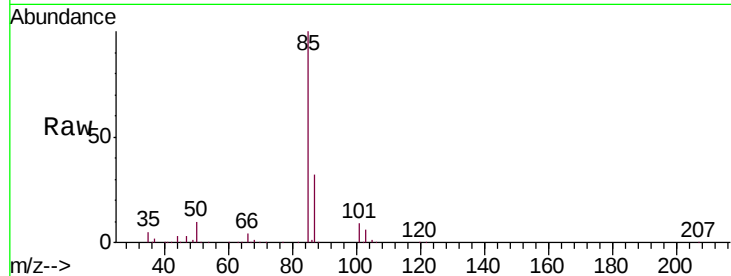
VSTD01003

Tgt Ion: 85 Resp: 321791

Ion Ratio Lower Upper

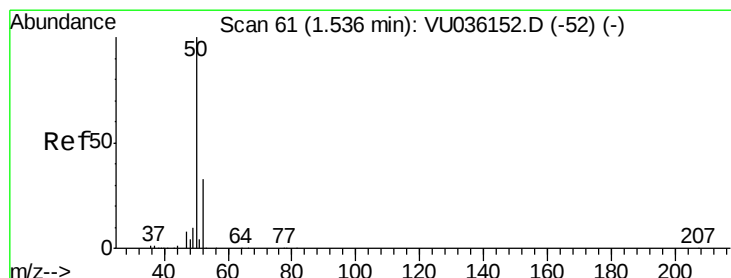
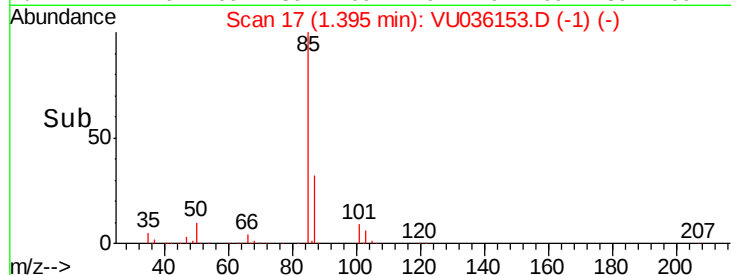
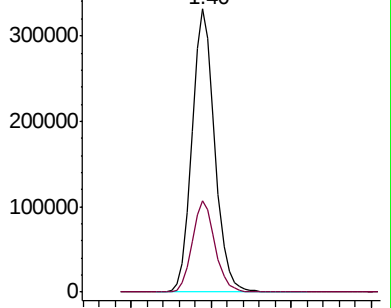
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU036153.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036153.D (-1) (-)



#3

Chloromethane

Concen: 11.212 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036153.D

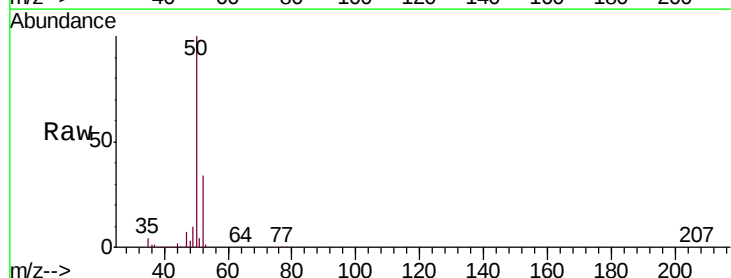
Acq: 12 Dec 2019 16:20

Tgt Ion: 50 Resp: 364493

Ion Ratio Lower Upper

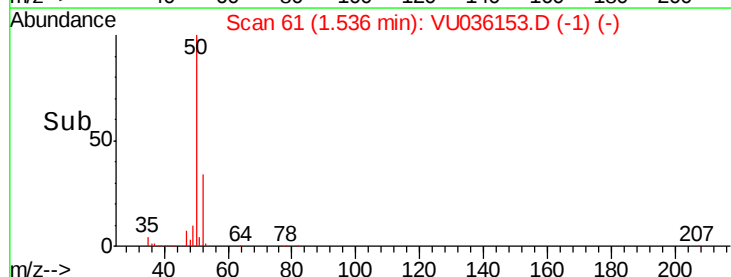
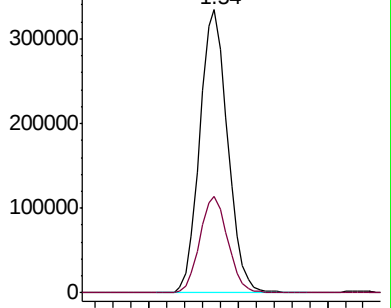
50 100

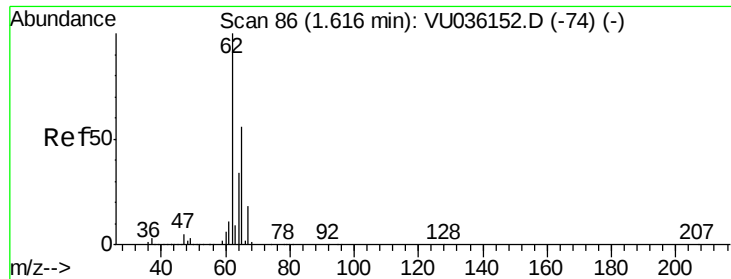
52 34.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU036153.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036153.D (-1) (-)





#5

Vinyl chloride

Concen: 11.634 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

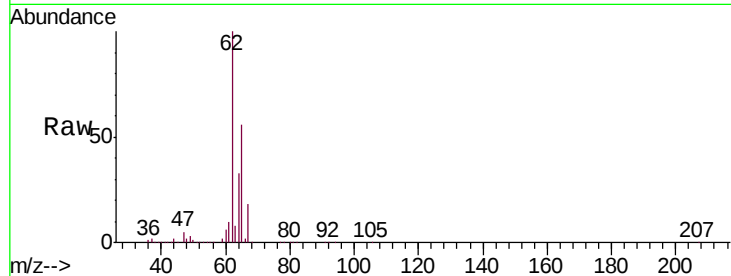
VSTD01003

Tgt Ion: 62 Resp: 392001

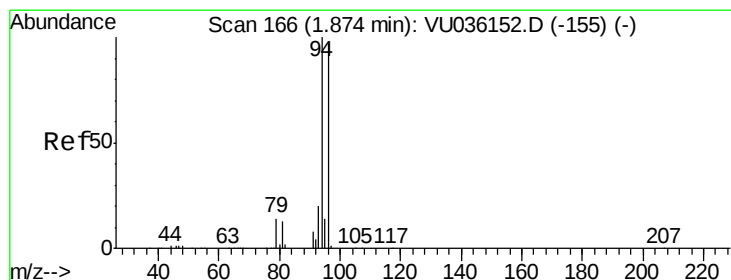
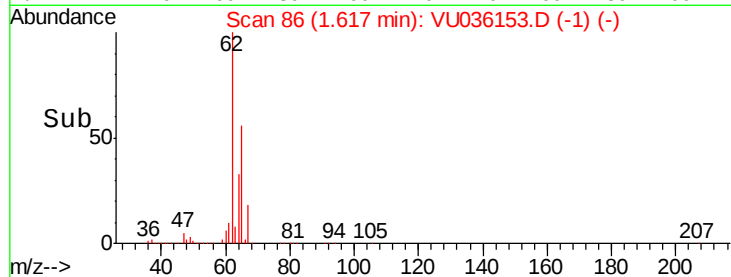
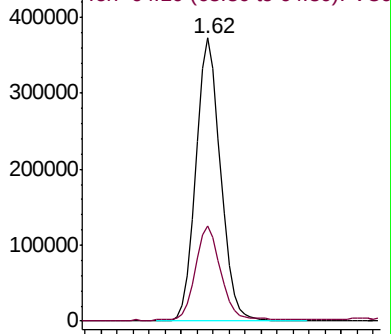
Ion Ratio Lower Upper

62 100

64 33.5 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU036153.D (-1) (-)



#6

Bromomethane

Concen: 9.394 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036153.D

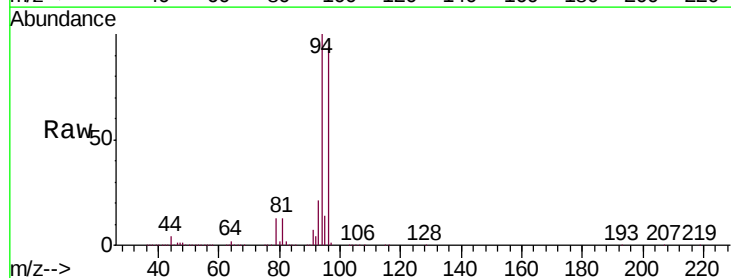
Acq: 12 Dec 2019 16:20

Tgt Ion: 94 Resp: 237545

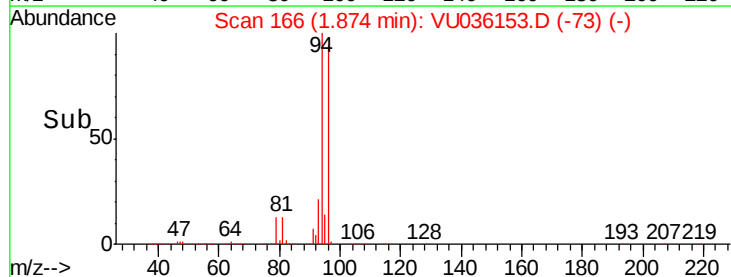
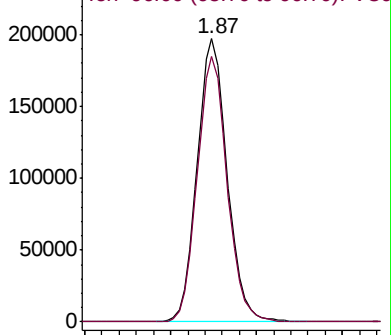
Ion Ratio Lower Upper

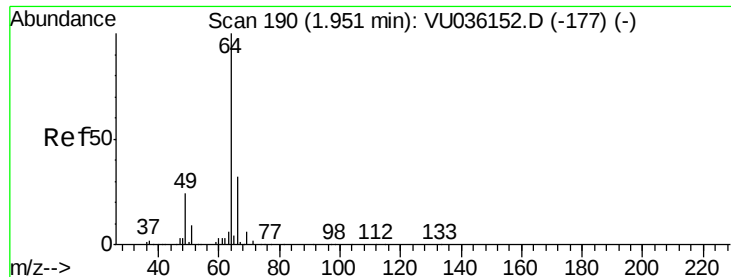
94 100

96 93.7 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VU036153.D (-73) (-)





#8

Chloroethane

Concen: 9.599 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

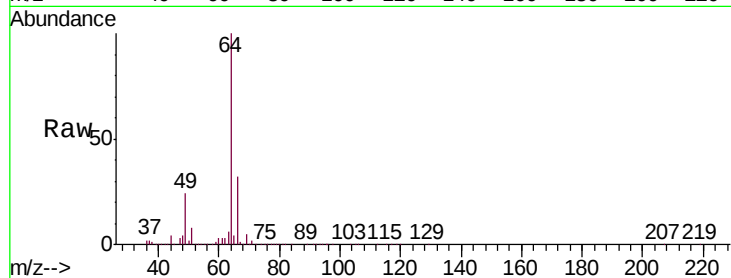
VSTD01003

Tgt Ion: 64 Resp: 234925

Ion Ratio Lower Upper

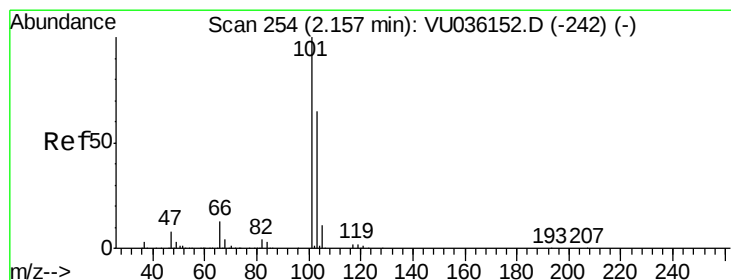
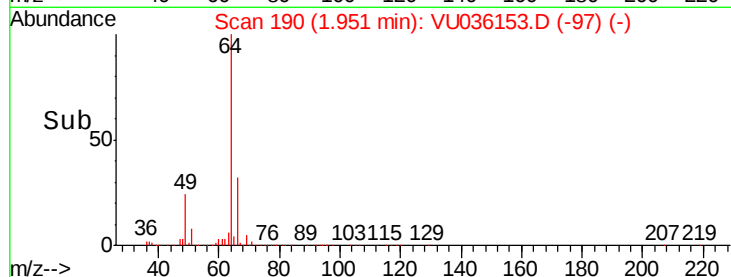
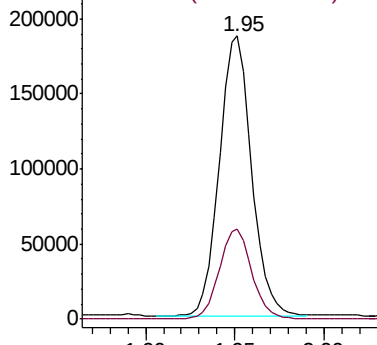
64 100

66 31.7 22.0 41.0



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 8.863 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036153.D

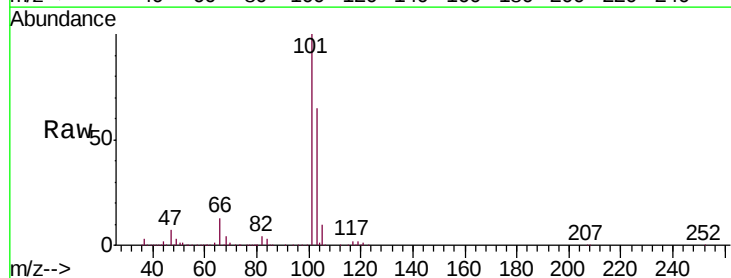
Acq: 12 Dec 2019 16:20

Tgt Ion: 101 Resp: 479868

Ion Ratio Lower Upper

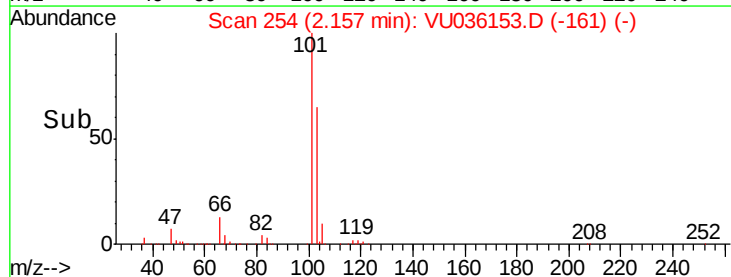
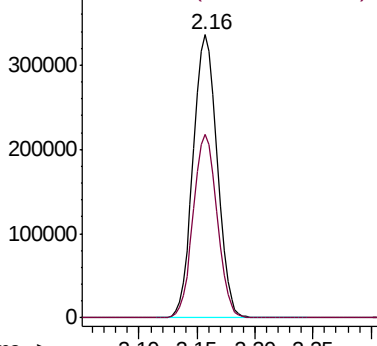
101 100

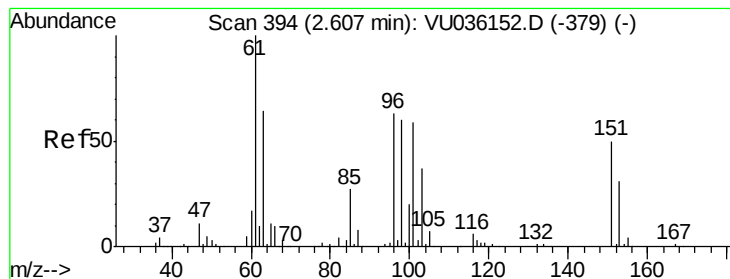
103 64.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 8.009 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

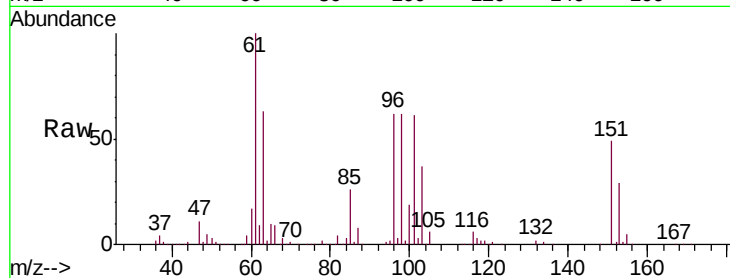
Tgt Ion: 101 Resp: 237569

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

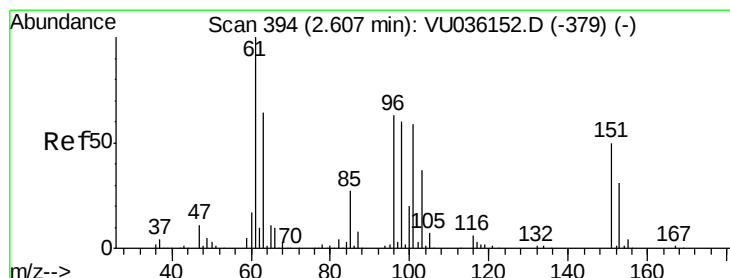
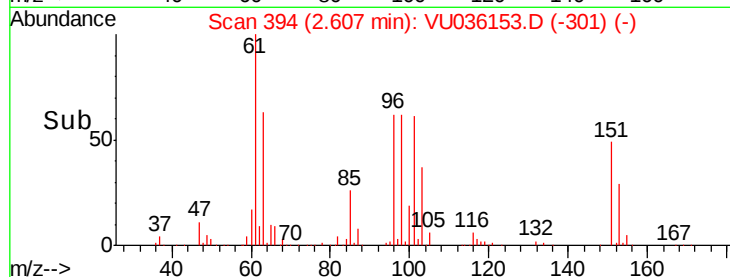
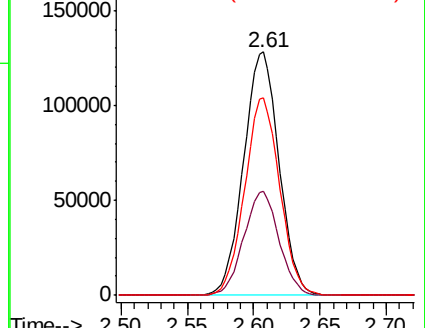
151 80.4 63.4 95.0



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: 8.148 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

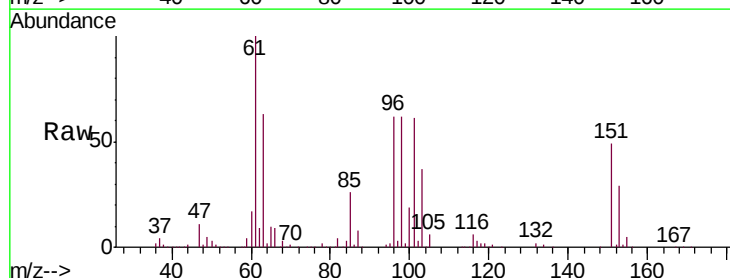
Tgt Ion: 96 Resp: 216119

Ion Ratio Lower Upper

96 100

61 160.8 110.6 205.4

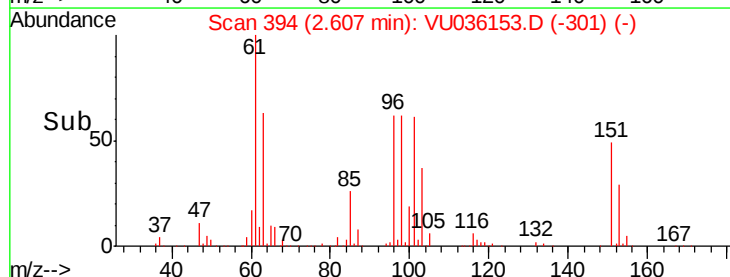
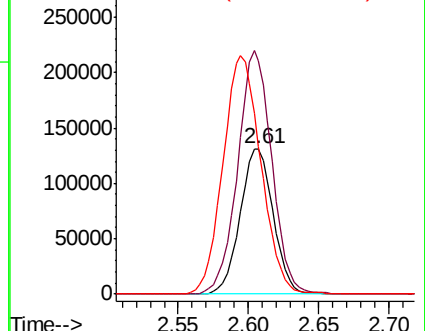
63 101.2 71.6 133.0

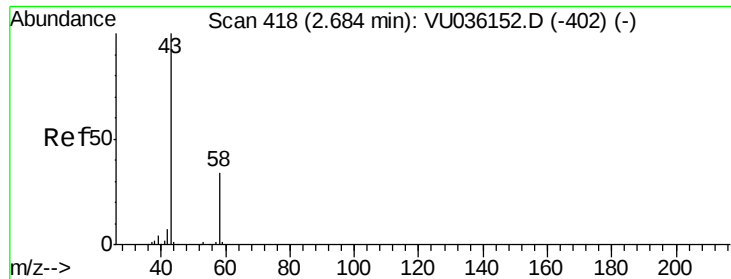


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 64.706 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

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Acq: 12 Dec 2019 16:20

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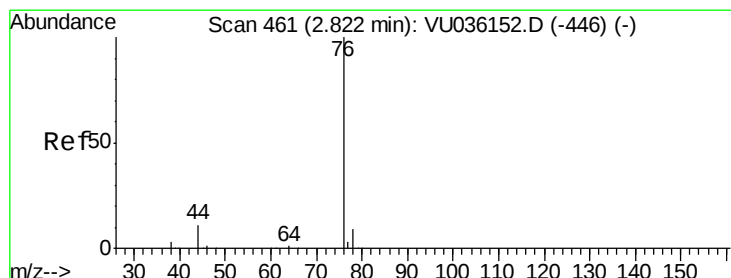
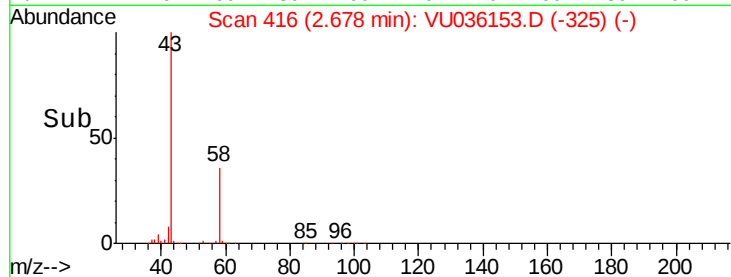
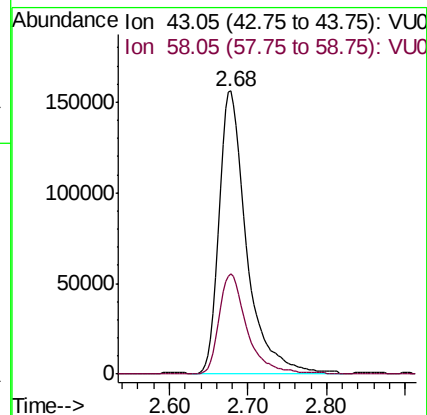
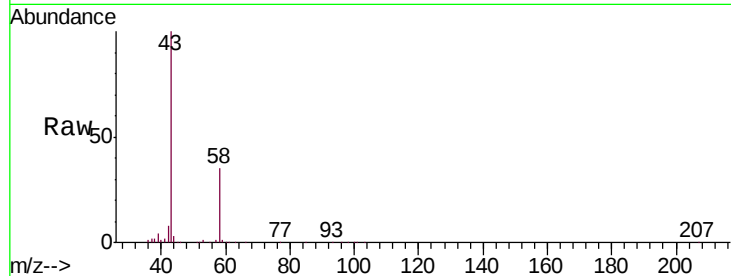
VSTD01003

Tgt Ion: 43 Resp: 379629

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.0



#14

Carbon disulfide

Concen: 9.342 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036153.D

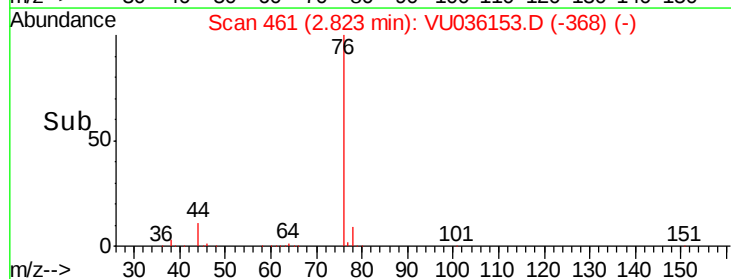
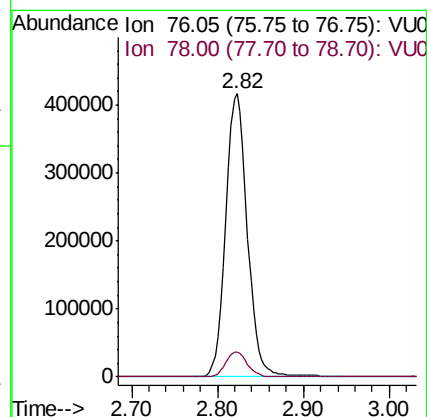
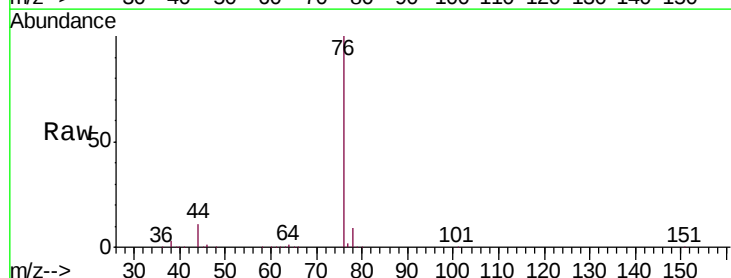
Acq: 12 Dec 2019 16:20

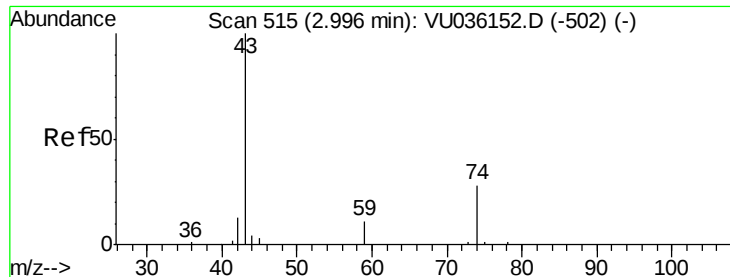
Tgt Ion: 76 Resp: 731853

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

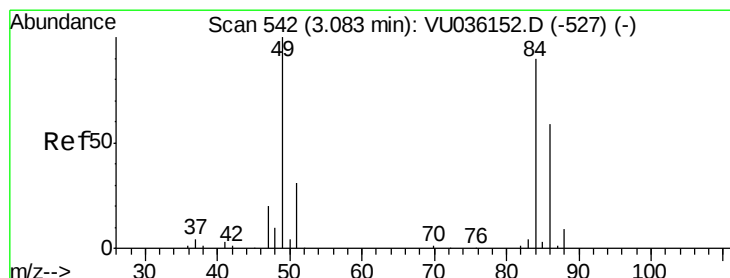
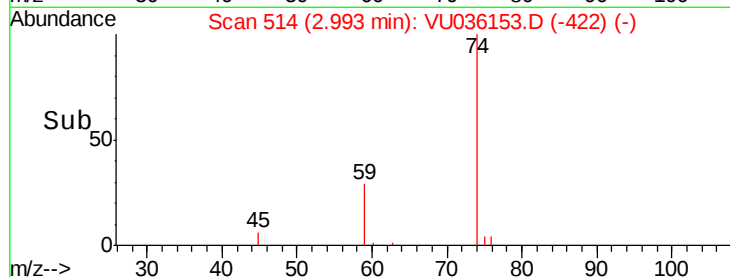
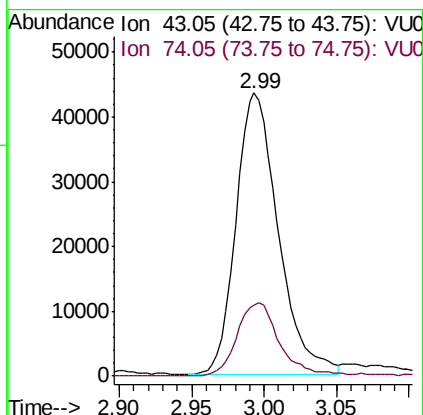
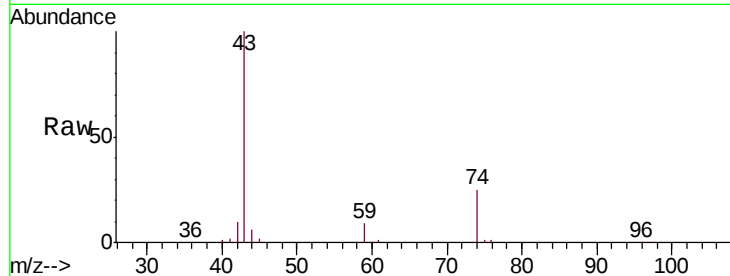




#15
Methyl Acetate
Concen: 9.662 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

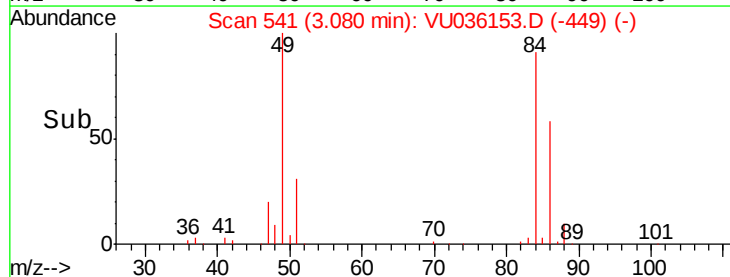
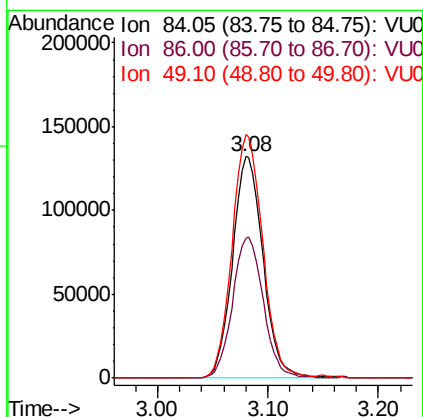
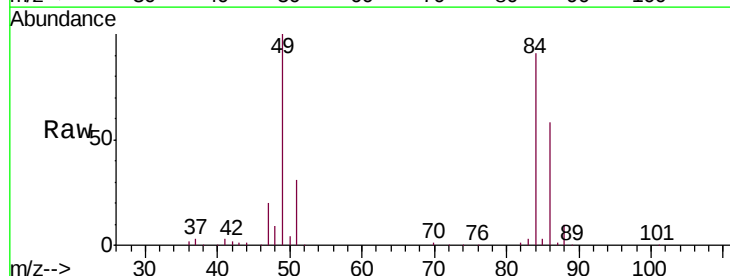
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

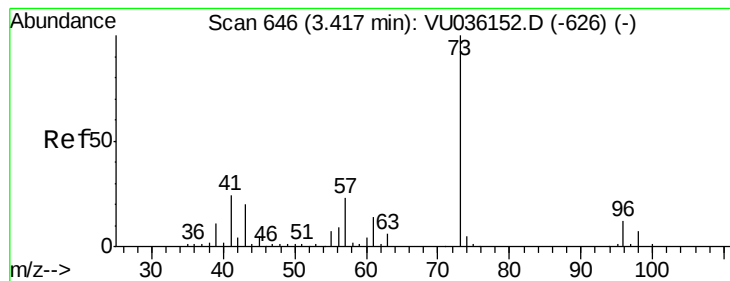
Tgt Ion: 43 Resp: 87969
Ion Ratio Lower Upper
43 100
74 26.4 20.6 30.8



#16
Methylene chloride
Concen: 7.927 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion: 84 Resp: 253400
Ion Ratio Lower Upper
84 100
86 63.3 46.1 85.5
49 109.8 77.7 144.3





#17

Methyl tert-butyl Ether

Concen: 10.382 ug/L

RT: 3.41 min Scan# 645

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

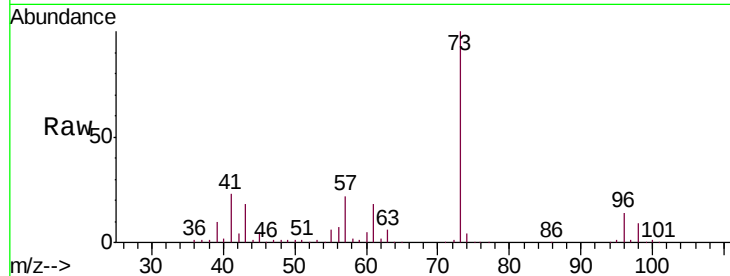
Tgt Ion: 73 Resp: 494603

Ion Ratio Lower Upper

73 100

43 18.2 15.3 22.9

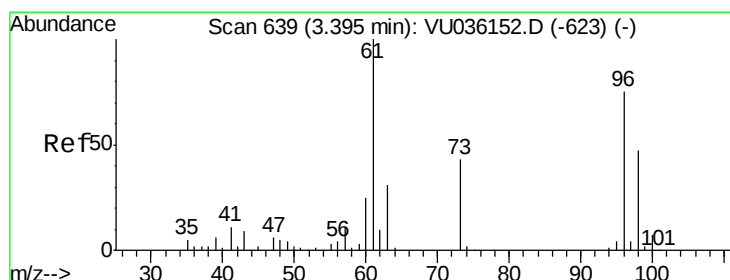
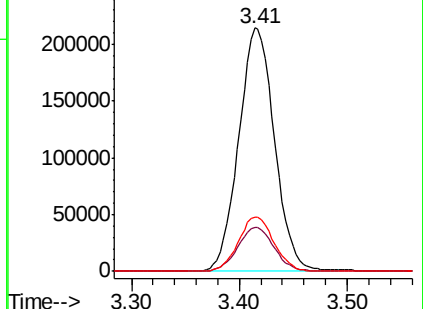
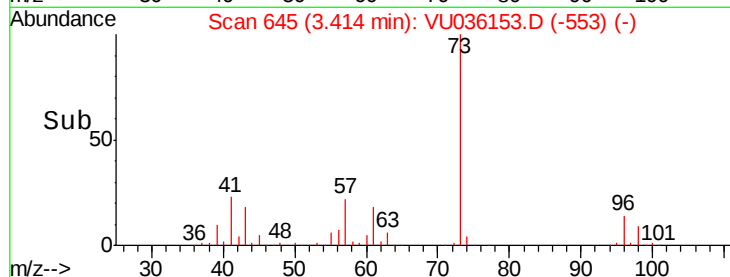
57 22.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU036153.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU036153.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU036153.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.715 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

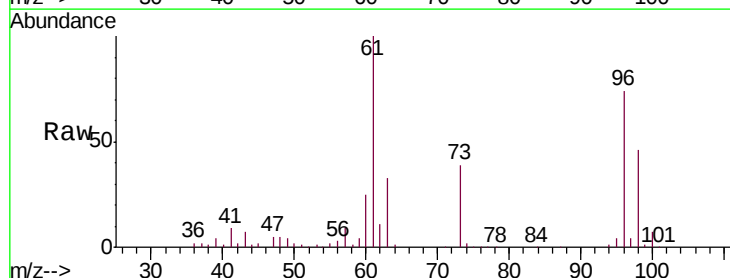
Tgt Ion: 96 Resp: 228984

Ion Ratio Lower Upper

96 100

61 134.6 93.2 173.2

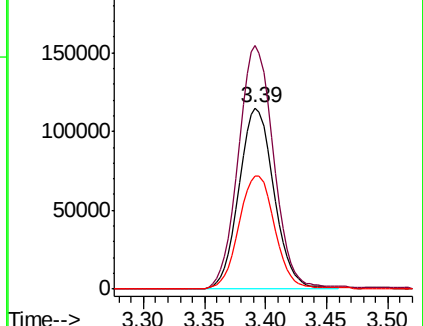
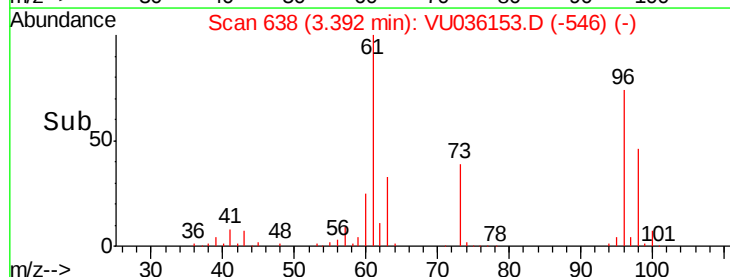
98 62.5 43.5 80.9

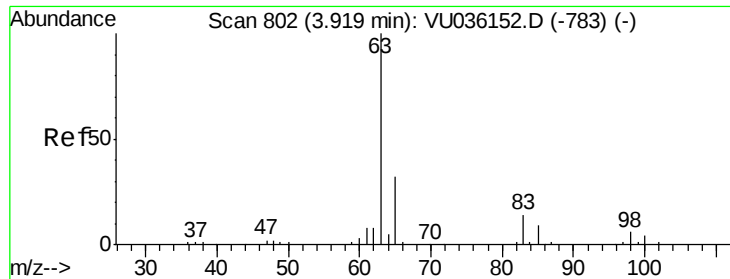


Abundance Ion 96.00 (95.70 to 96.70): VU036153.D (-546) (-)

Ion 61.05 (60.75 to 61.75): VU036153.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU036153.D (-546) (-)

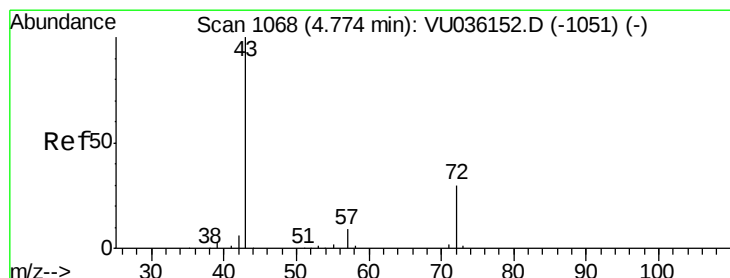
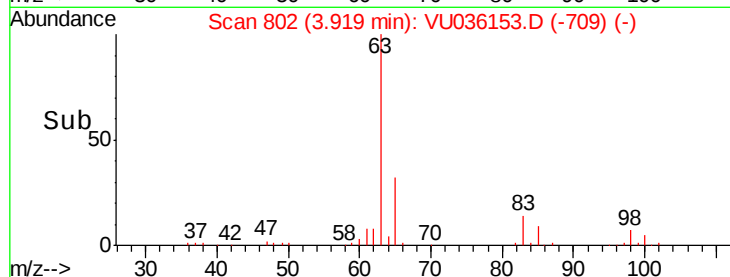
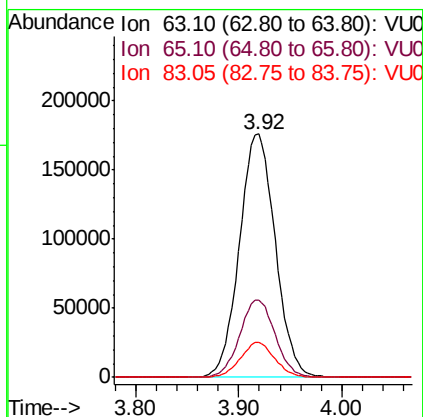
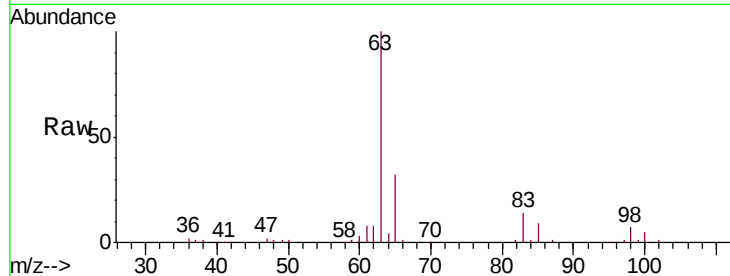




#19
 1,1-Dichloroethane
 Concen: 10.006 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

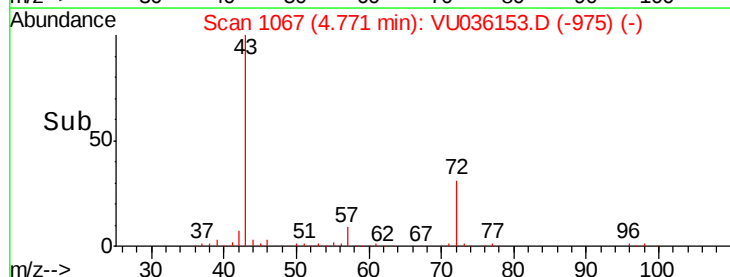
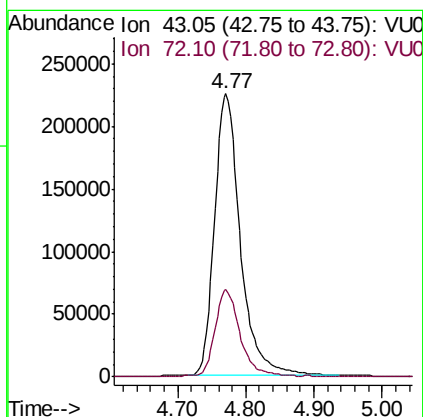
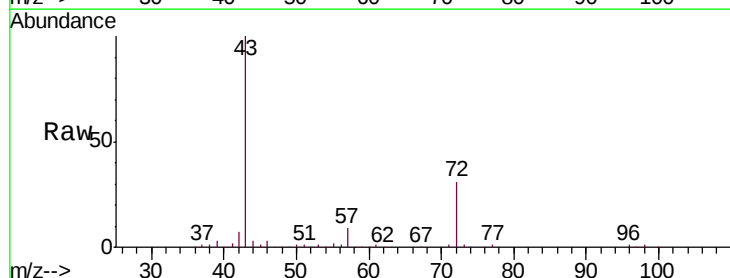
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

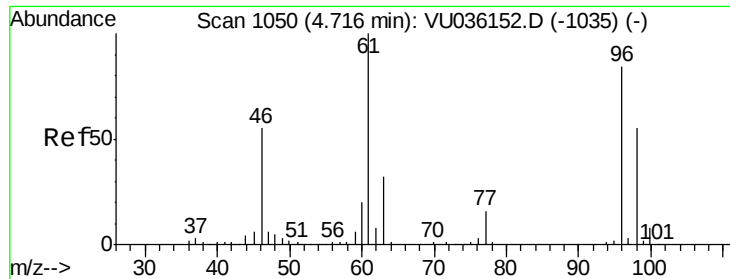
Tgt Ion: 63 Resp: 426089
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.2 41.2
 83 14.5 9.8 18.2



#21
 2-Butanone
 Concen: 95.970 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

Tgt Ion: 43 Resp: 589918
 Ion Ratio Lower Upper
 43 100
 72 29.3 14.4 43.2





#22

cis-1,2-Dichloroethene

Concen: 10.194 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

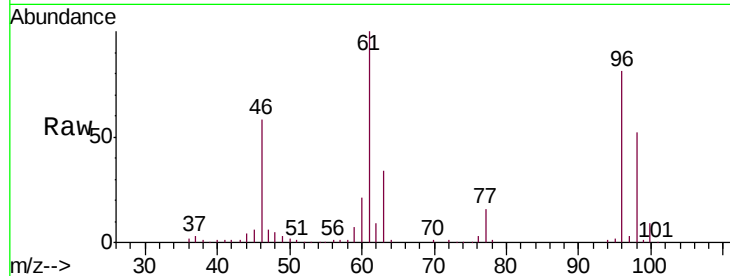
Tgt Ion: 96 Resp: 250737

Ion Ratio Lower Upper

96 100

61 123.1 83.8 155.6

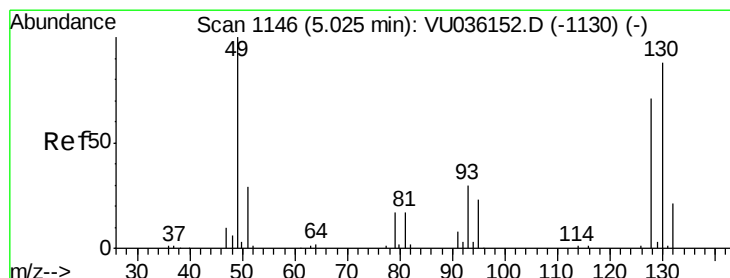
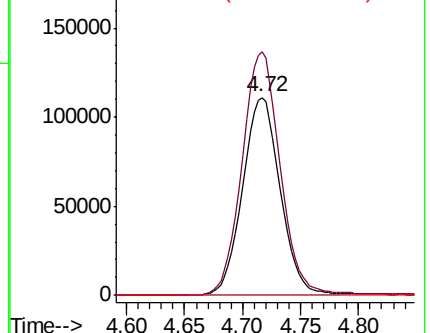
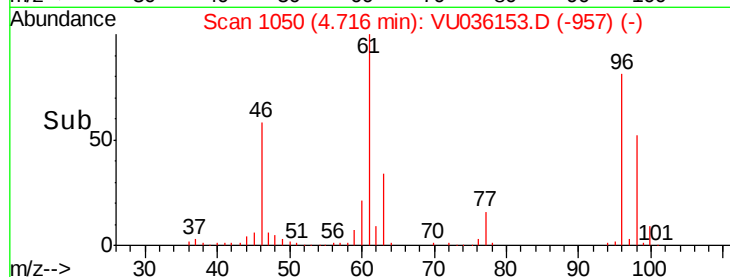
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036153.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036153.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036153.D (-957) (-)



#23

Bromochloromethane

Concen: 9.343 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Tgt Ion: 128 Resp: 118355

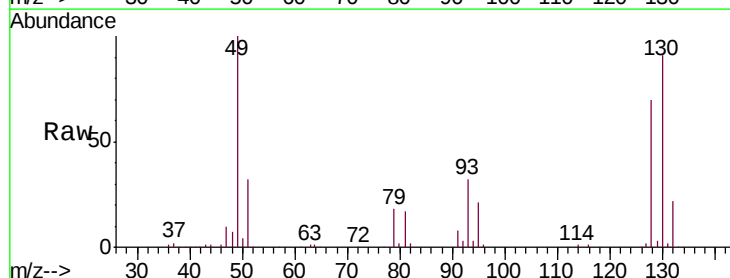
Ion Ratio Lower Upper

128 100

49 142.3 98.3 182.7

130 129.7 86.0 159.6

51 45.3 33.0 49.4

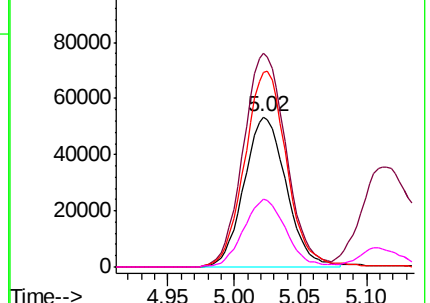
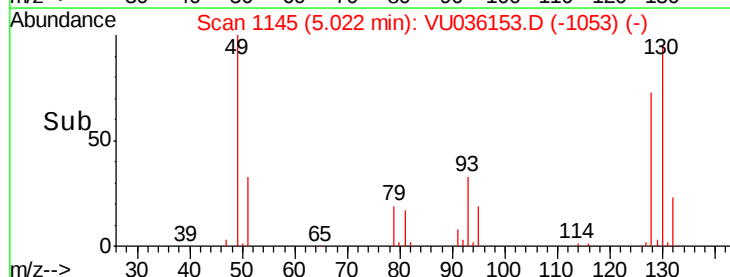


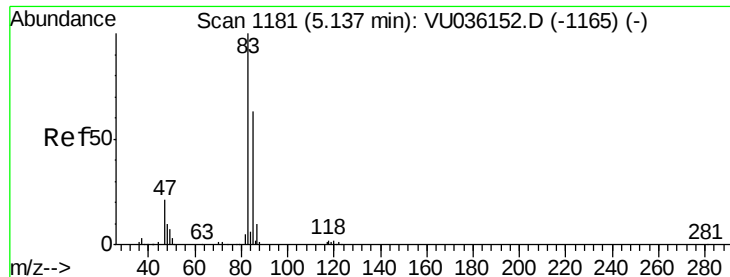
Abundance Ion 127.90 (127.60 to 128.60): VU036153.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036153.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036153.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036153.D (-1053) (-)

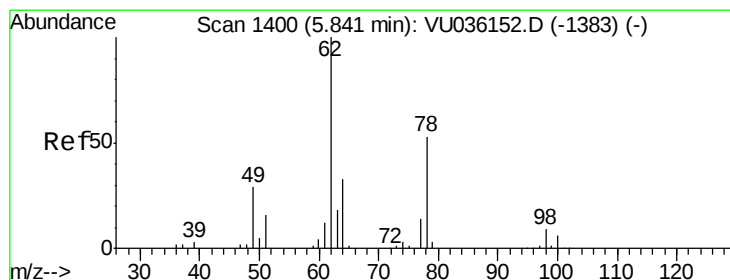
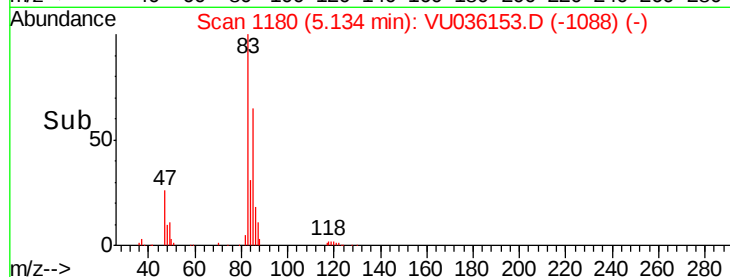
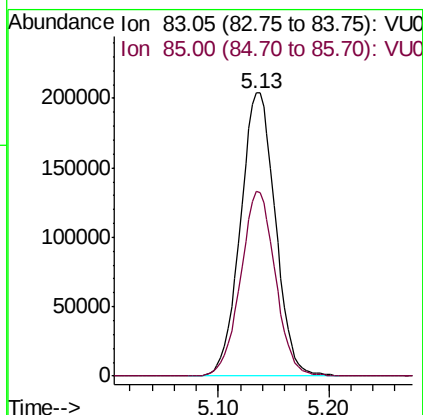
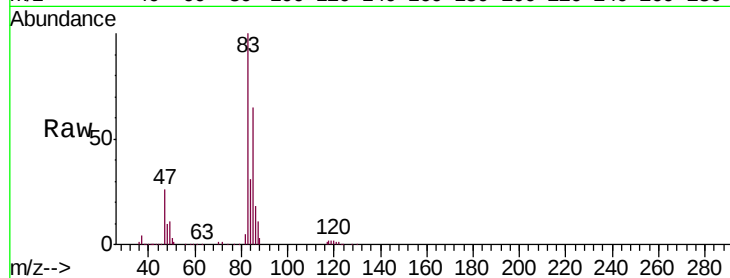




#25
Chloroform
Concen: 9.554 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

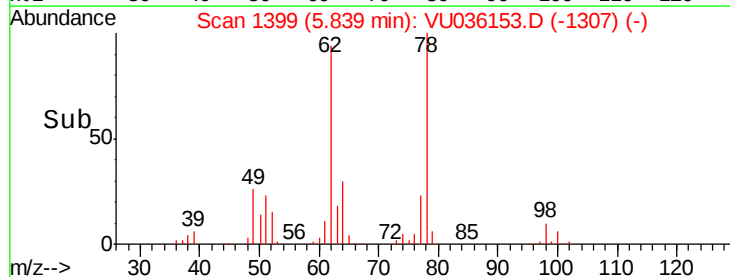
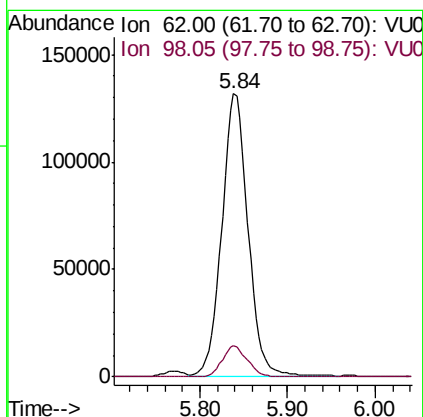
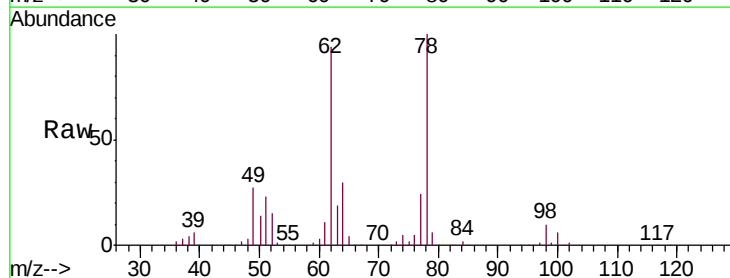
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

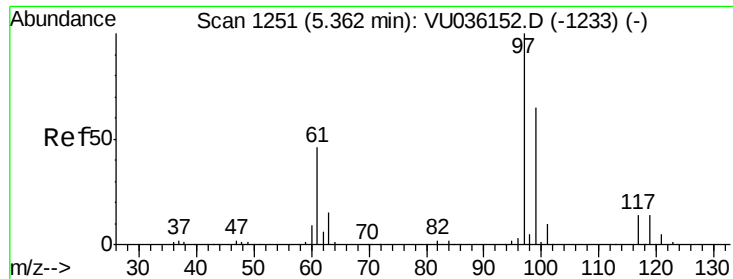
Tgt Ion: 83 Resp: 448037
Ion Ratio Lower Upper
83 100
85 65.1 44.2 82.0



#27
1,2-Dichloroethane
Concen: 9.822 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion: 62 Resp: 272833
Ion Ratio Lower Upper
62 100
98 11.0 7.3 10.9#

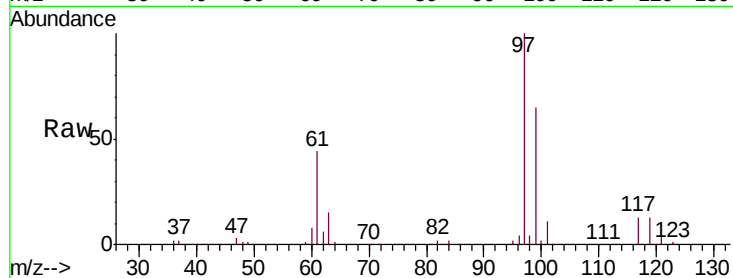




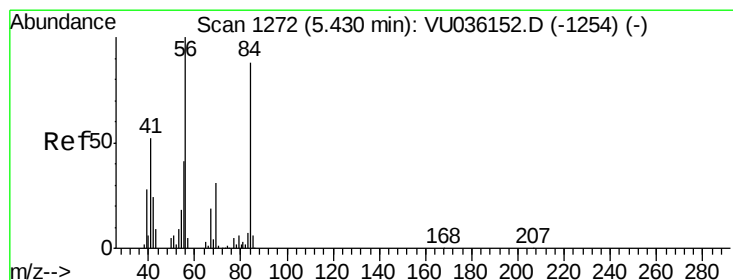
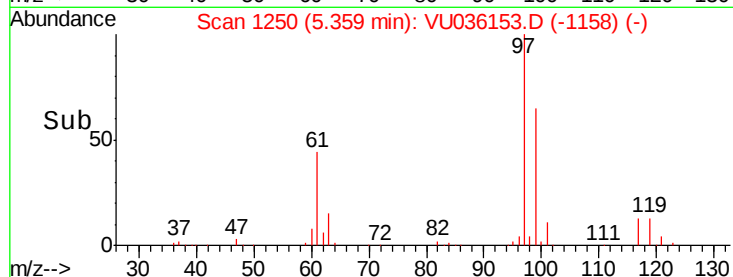
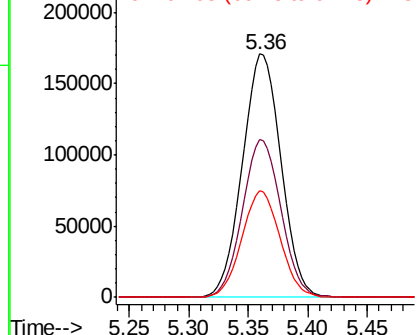
#29
 1,1,1-Trichloroethane
 Concen: 10.274 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 97 Resp: 384745
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.6 79.0
 61 43.4 35.4 53.2

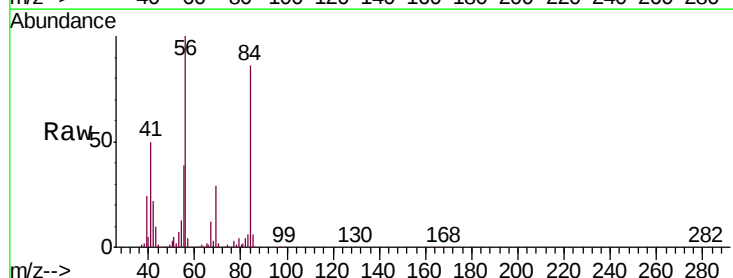


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

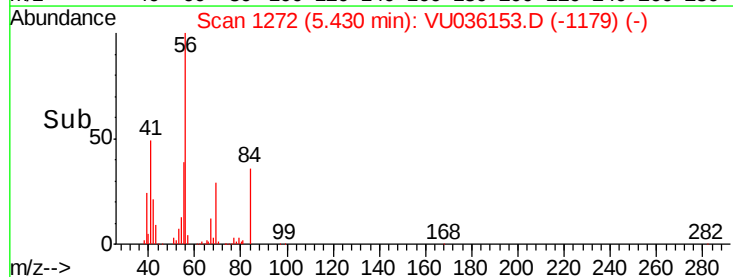
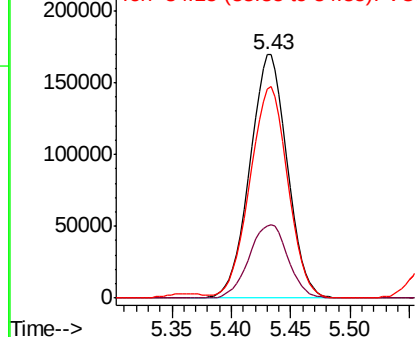


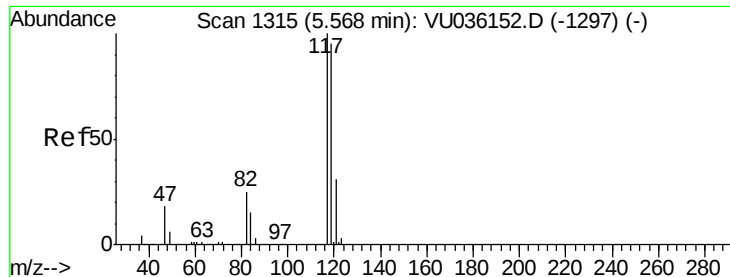
#30
 Cyclohexane
 Concen: 12.310 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

Tgt Ion: 56 Resp: 368502
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.7 37.1
 84 88.5 71.4 107.2



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

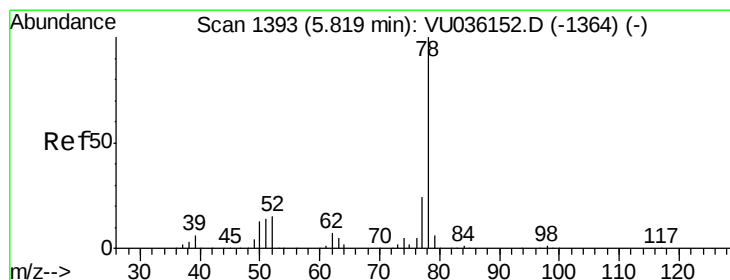
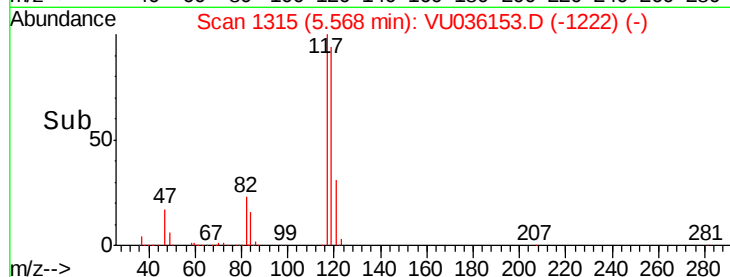
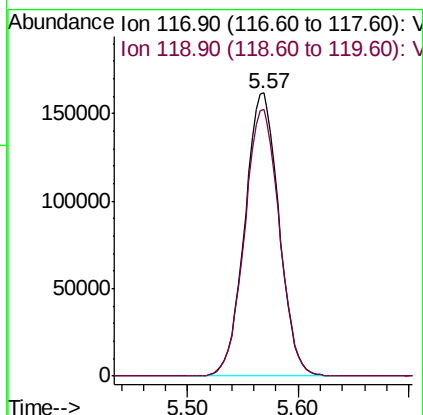
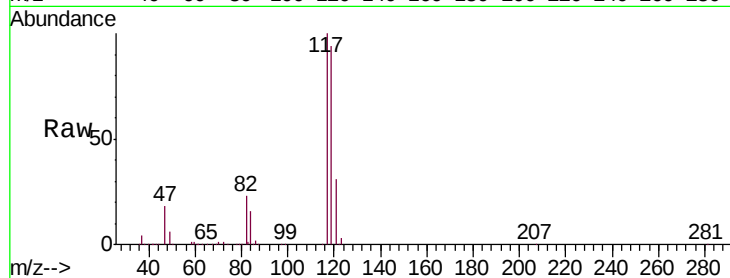




#31
Carbon tetrachloride
Concen: 10.208 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

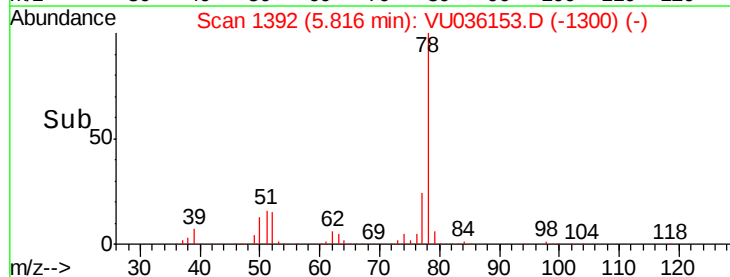
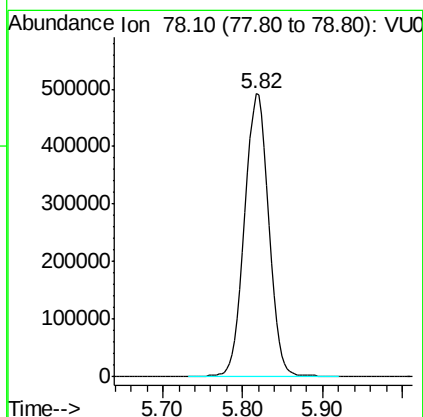
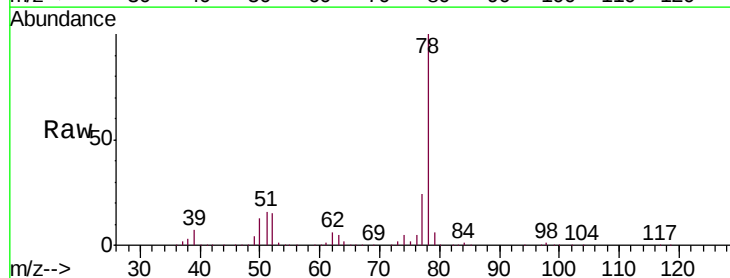
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

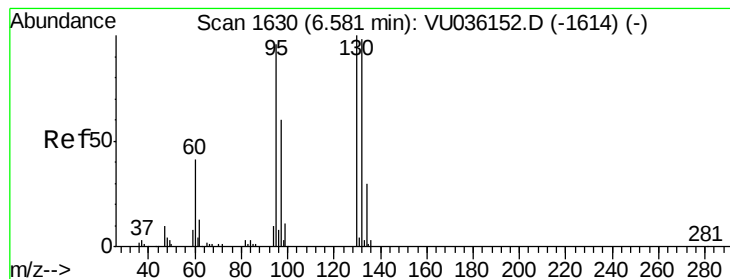
Tgt Ion:117 Resp: 346031
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8



#33
Benzene
Concen: 10.973 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion: 78 Resp: 1007372





#34

Trichloroethene

Concen: 10.299 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 95 Resp: 249607

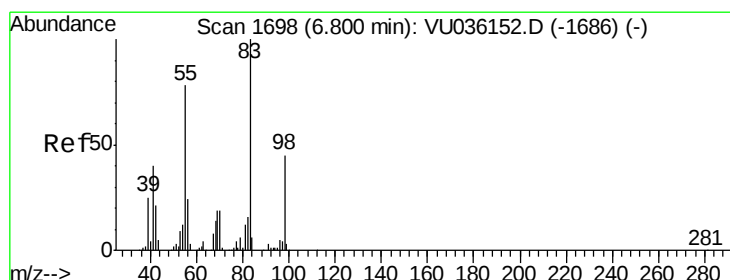
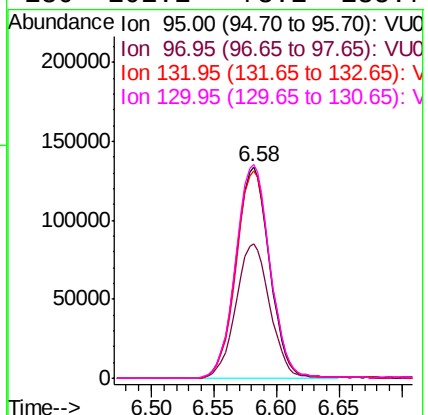
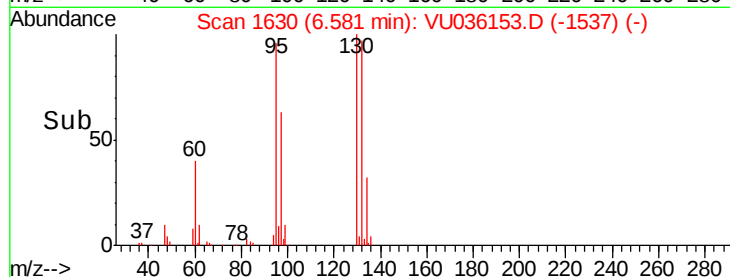
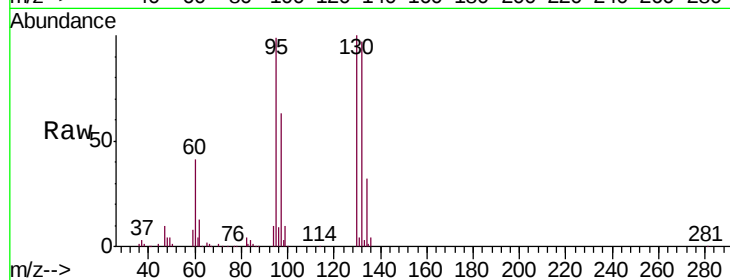
Ion Ratio Lower Upper

95 100

97 63.4 43.7 81.1

132 98.1 71.7 133.3

130 101.1 73.1 135.7



#35

Methylcyclohexane

Concen: 11.762 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

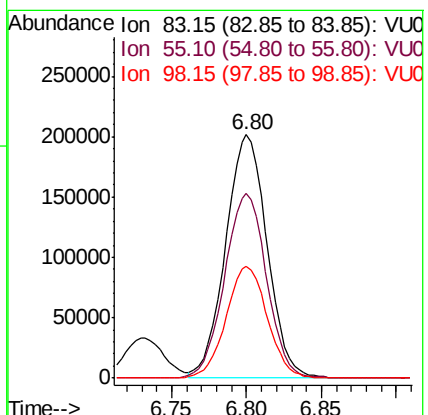
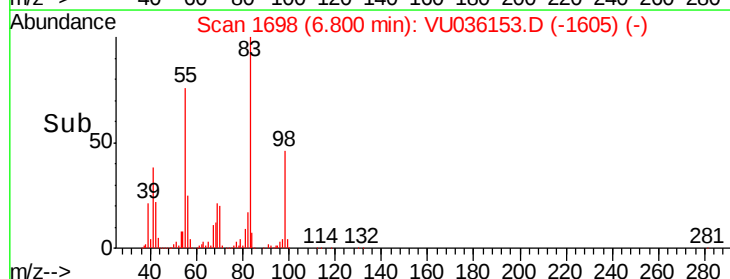
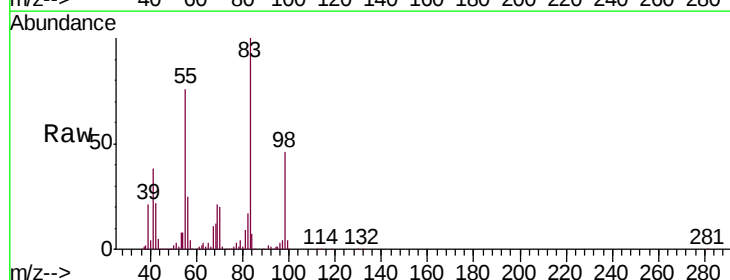
Tgt Ion: 83 Resp: 386736

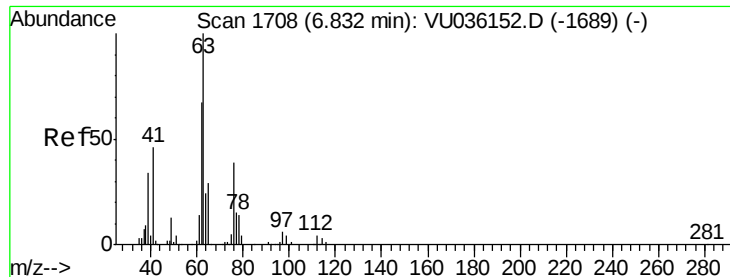
Ion Ratio Lower Upper

83 100

55 77.0 61.9 92.9

98 45.6 35.8 53.6





#37

1,2-Dichloropropane

Concen: 10.829 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

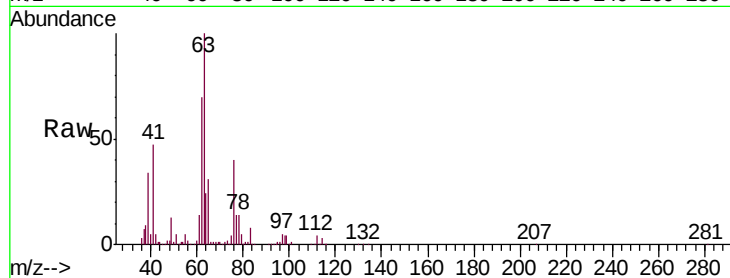
VSTD01003

Tgt Ion: 63 Resp: 250739

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU036153.D (-1615) (-)

Ion 112.10 (111.80 to 112.80): VU036153.D (-1615) (-)

6.83

150000

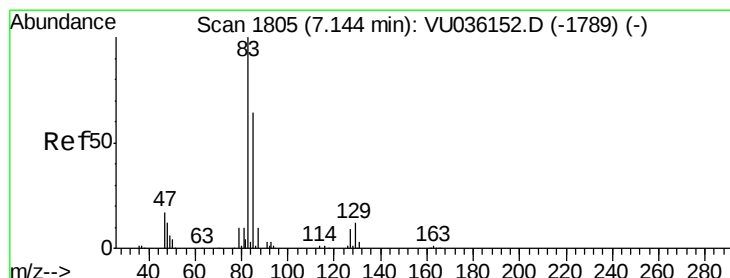
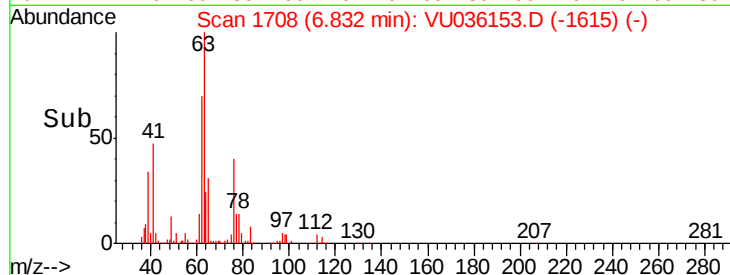
100000

50000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 10.172 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

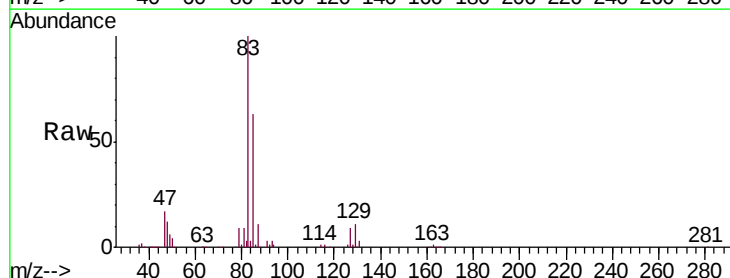
Tgt Ion: 83 Resp: 313175

Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

127 8.6 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VU036153.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU036153.D (-1712) (-)

Ion 126.90 (126.60 to 127.60): VU036153.D (-1712) (-)

7.14

200000

150000

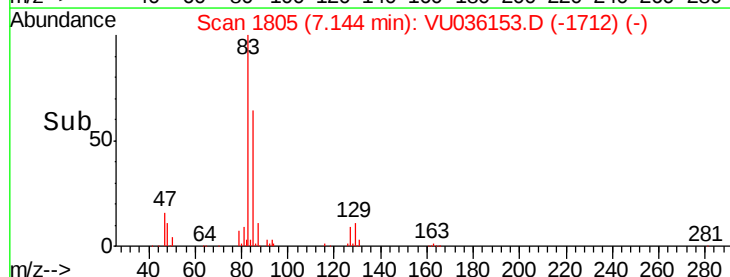
100000

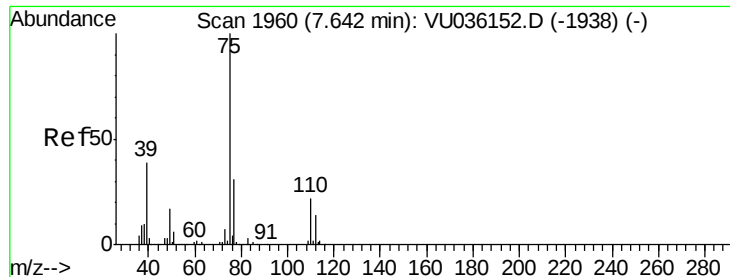
50000

0

7.10 7.20

Time-->

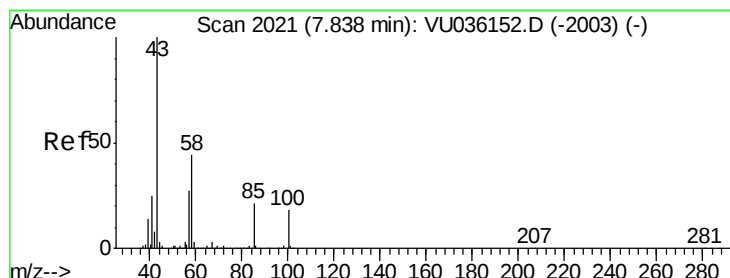
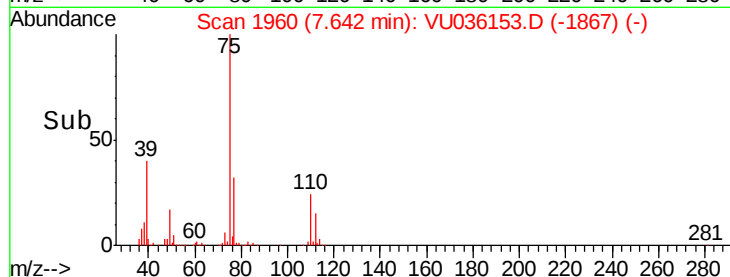
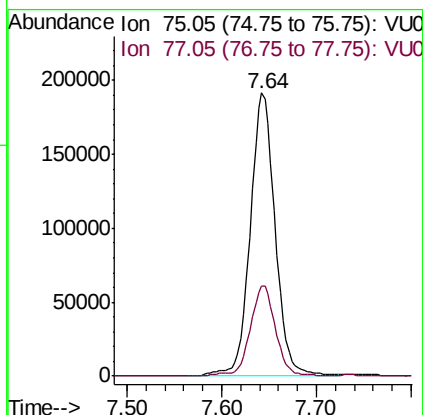
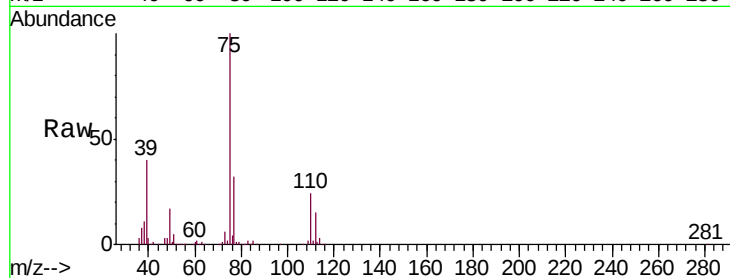




#39
 cis-1,3-Dichloropropene
 Concen: 11.231 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

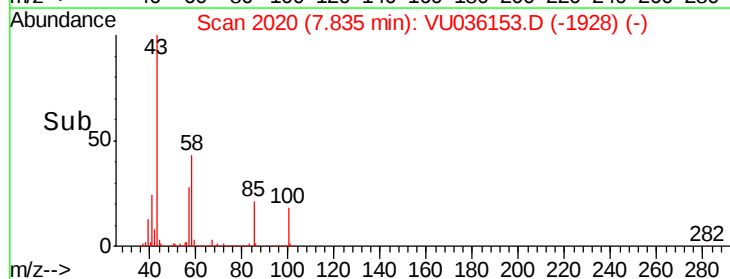
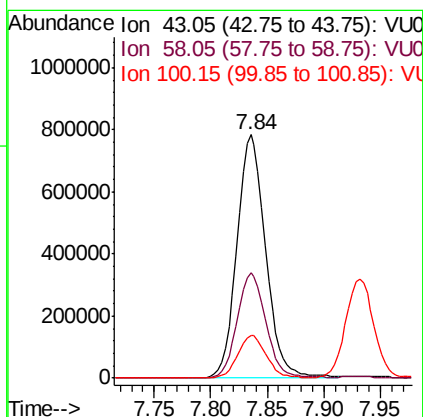
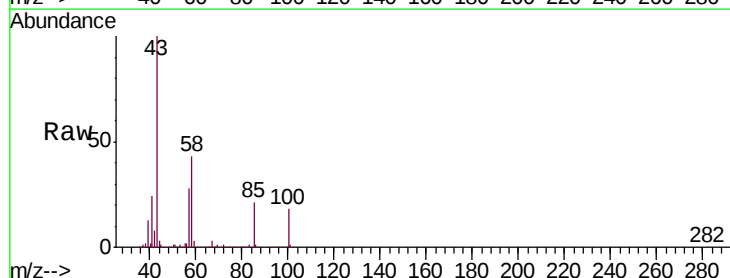
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

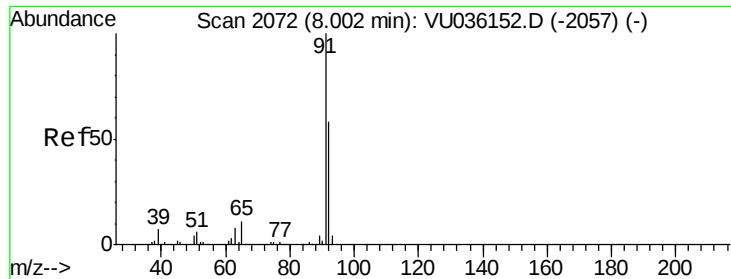
Tgt Ion: 75 Resp: 351306
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 114.787 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

Tgt Ion: 43 Resp: 1388398
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.4 51.6
 100 17.4 13.4 20.2





#42

Toluene

Concen: 11.045 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

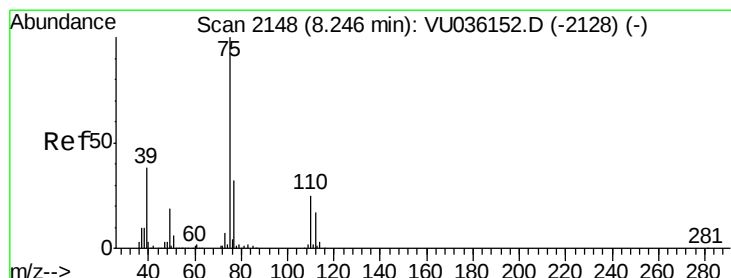
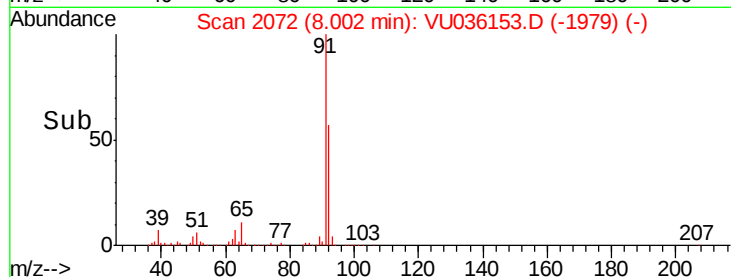
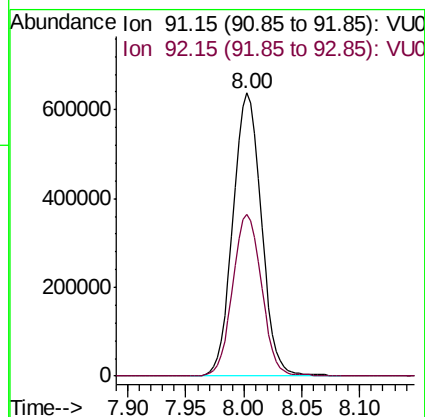
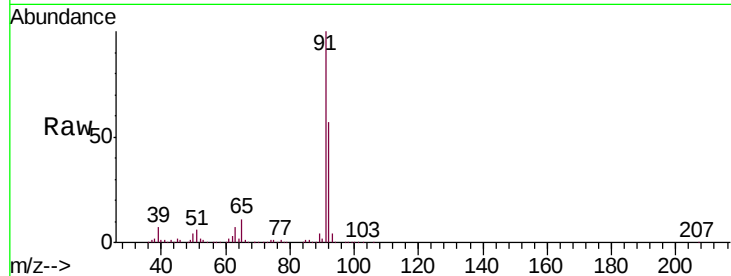
VSTD01003

Tgt Ion: 91 Resp: 1086414

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 10.866 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036153.D

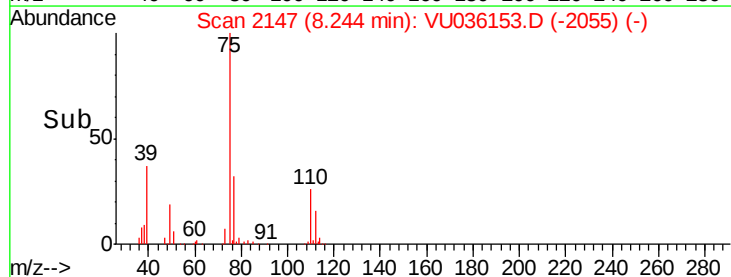
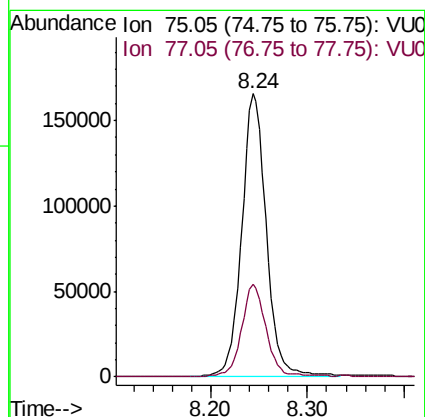
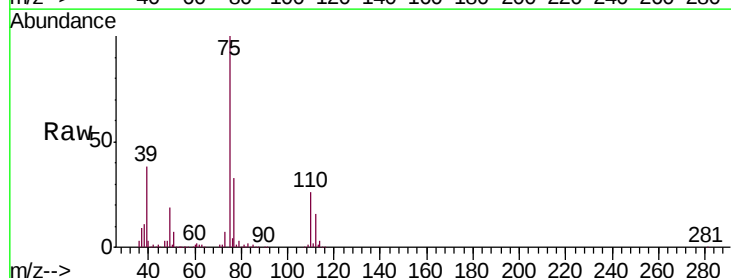
Acq: 12 Dec 2019 16:20

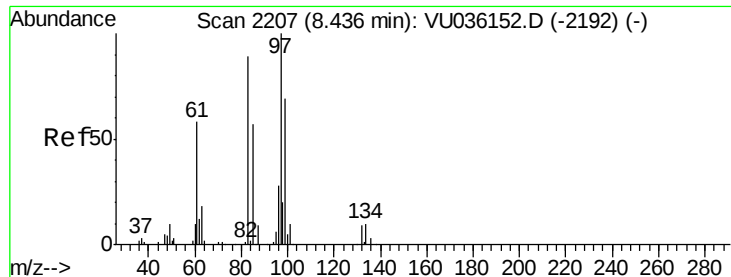
Tgt Ion: 75 Resp: 293858

Ion Ratio Lower Upper

75 100

77 32.7 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 10.181 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 97 Resp: 183614

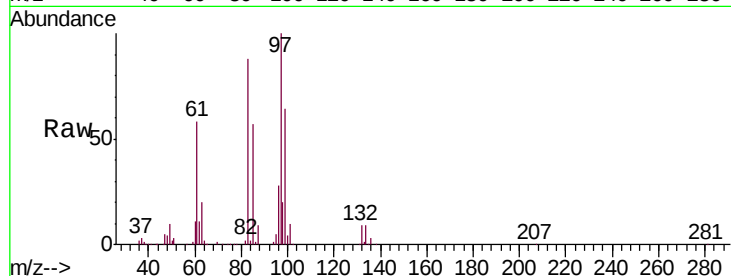
Ion Ratio Lower Upper

97 100

99 63.8 48.4 90.0

83 87.9 62.2 115.4

85 57.4 40.1 74.5



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

150000

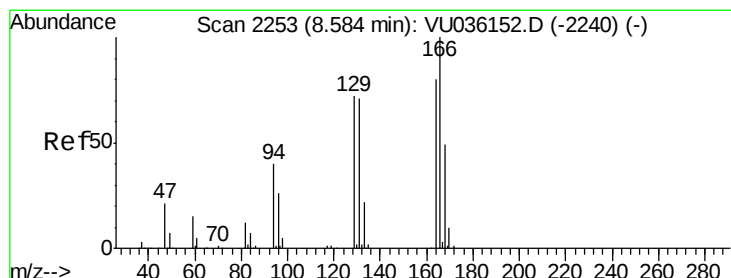
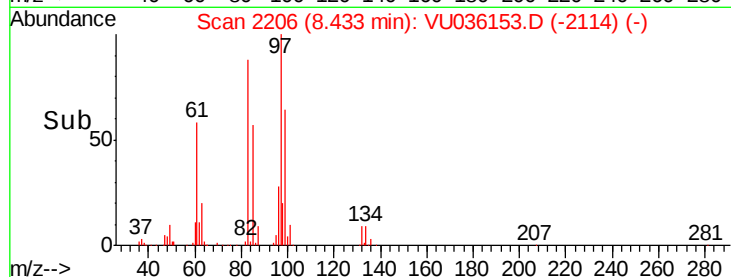
100000

50000

0

8.35 8.40 8.45 8.50 8.55

Time-->



#47

Tetrachloroethene

Concen: 9.671 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Tgt Ion: 164 Resp: 219645

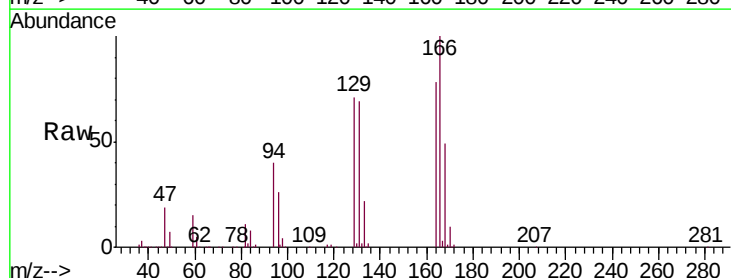
Ion Ratio Lower Upper

164 100

129 90.9 63.1 117.3

131 88.9 61.4 114.0

166 128.4 87.1 161.7



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

250000

200000

150000

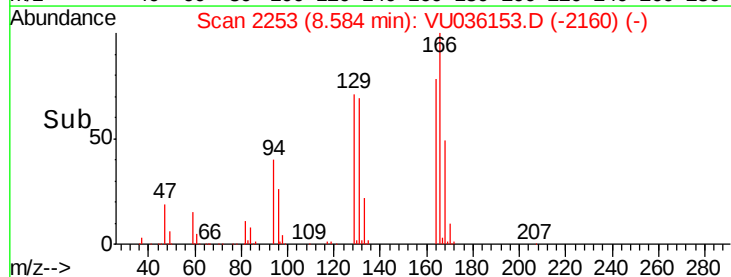
100000

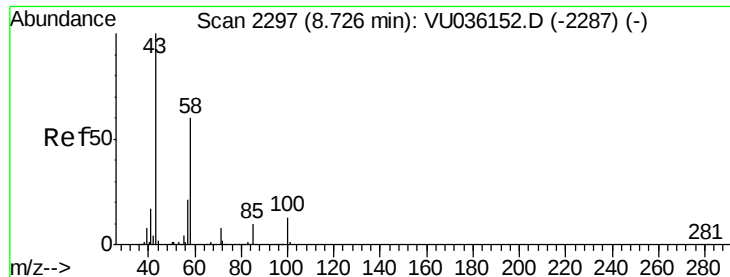
50000

0

8.50 8.55 8.60 8.65

Time-->

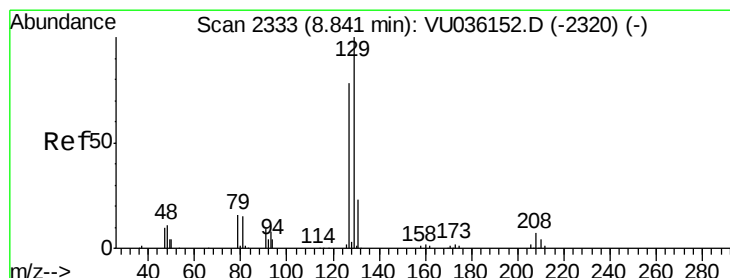
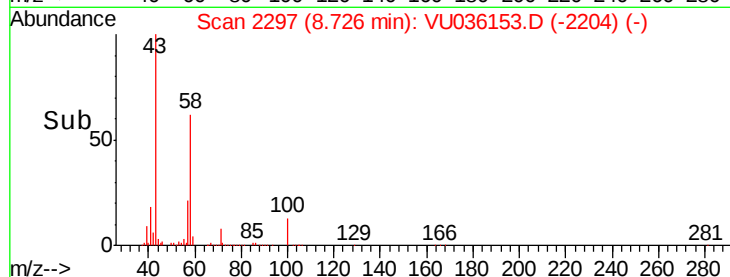
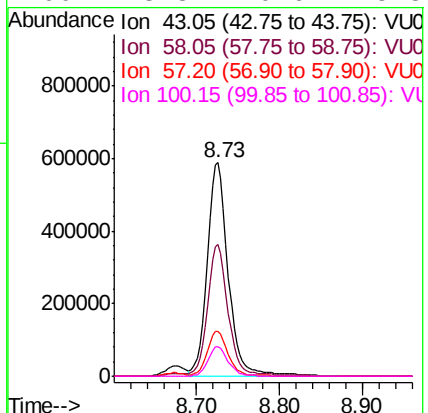
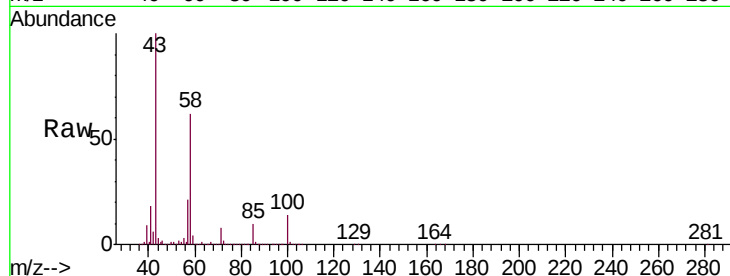




#48
2-Hexanone
Concen: 124.210 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

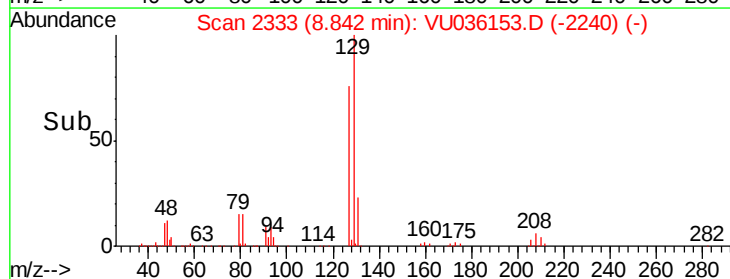
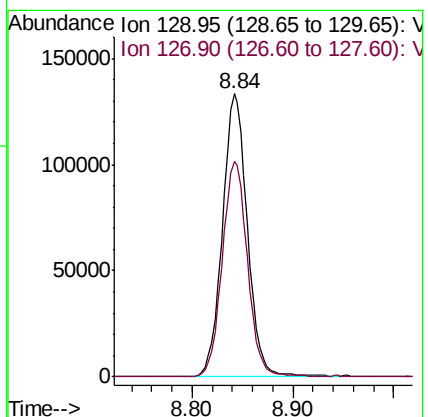
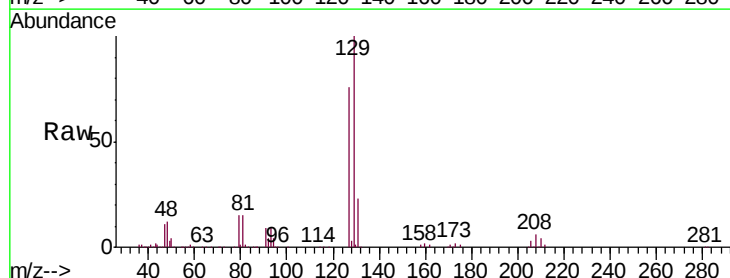
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

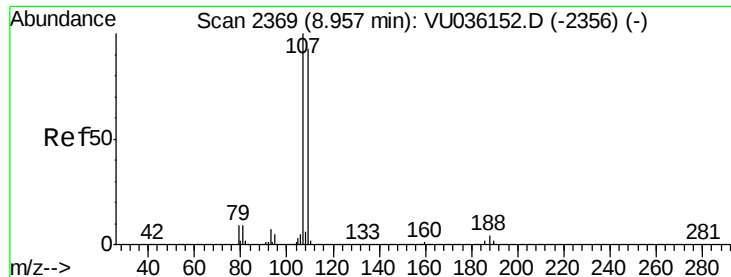
Tgt Ion: 43 Resp: 1049776
Ion Ratio Lower Upper
43 100
58 61.2 48.6 72.8
57 21.5 16.7 25.1
100 13.3 10.6 15.8



#49
Dibromochloromethane
Concen: 9.997 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion: 129 Resp: 230615
Ion Ratio Lower Upper
129 100
127 76.3 54.7 101.5

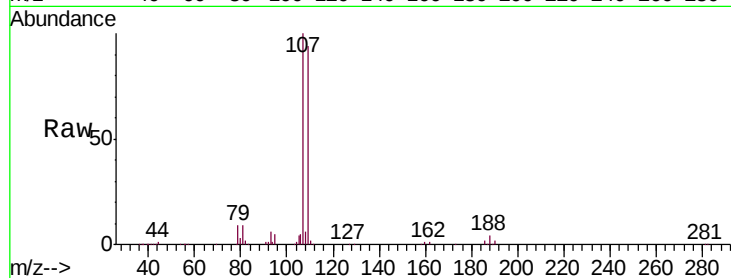




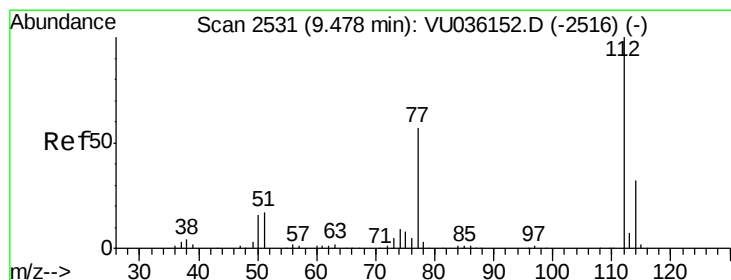
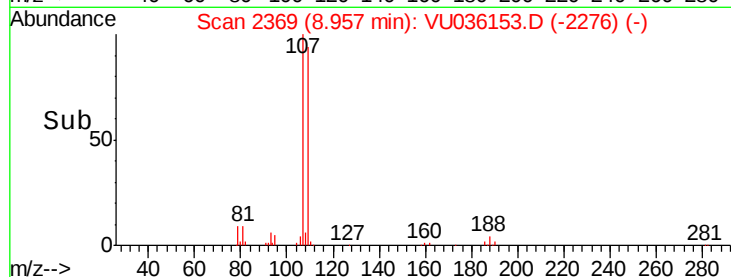
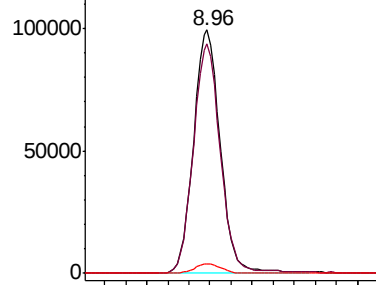
#50
1,2-Dibromoethane
Concen: 10.246 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.4	121.4
188	3.9	3.4	5.2

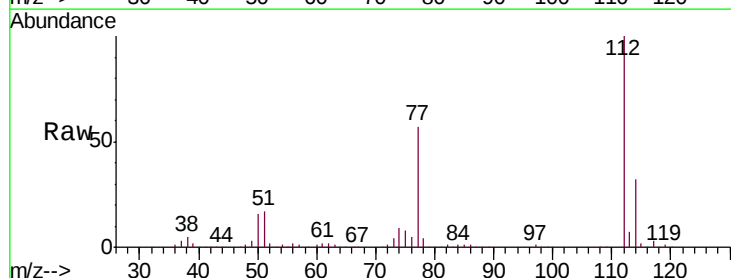


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

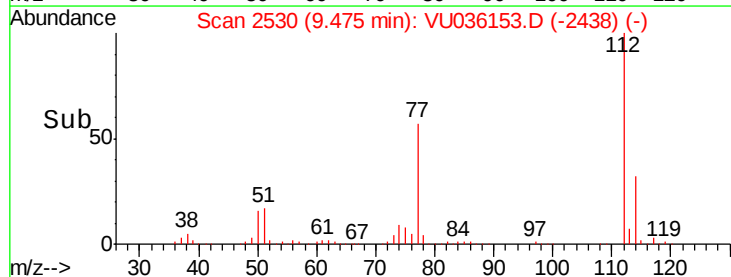
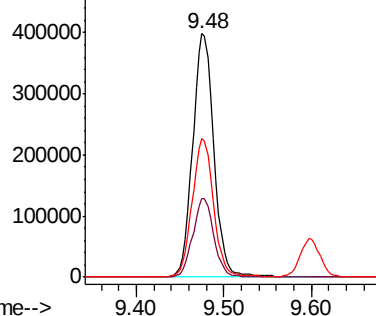


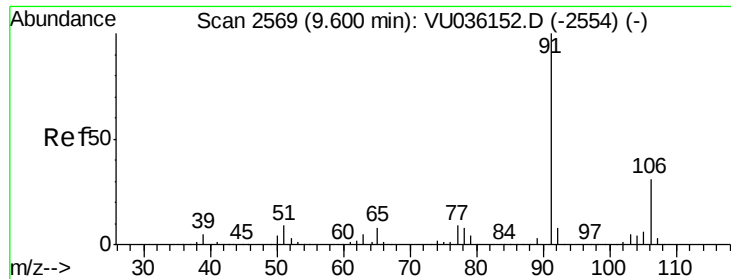
#51
Chlorobenzene
Concen: 10.095 ug/L
RT: 9.48 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	56.8	45.7	68.5



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: 11.097 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

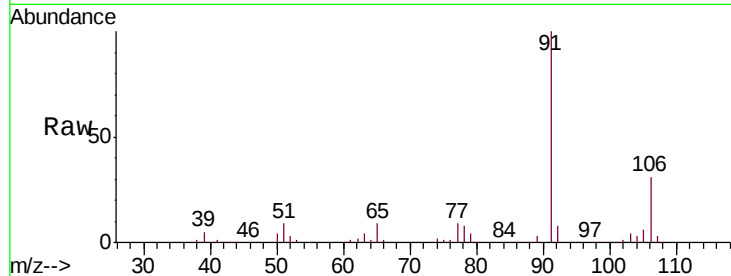
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 91 Resp: 1103686

Ion Ratio Lower Upper

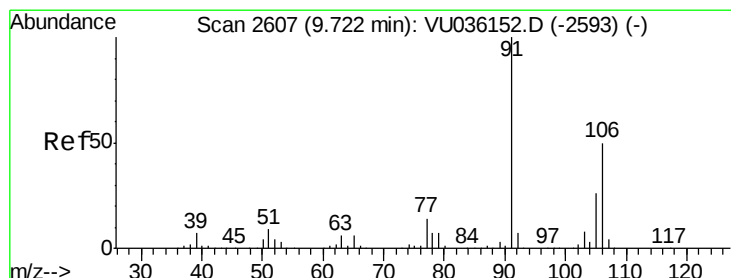
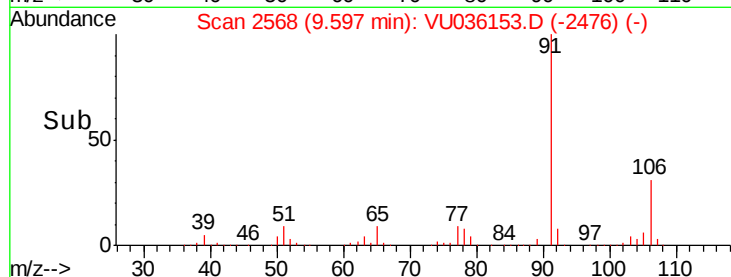
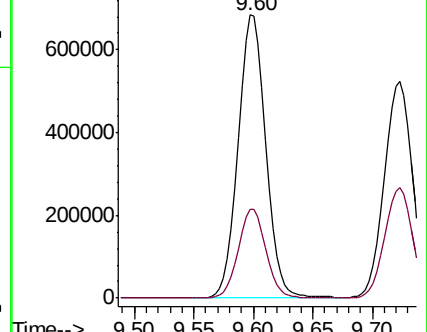
91 100

106 31.5 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU036153.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU036153.D (-2554) (-)



#53

m,p-Xylene

Concen: 11.157 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036153.D

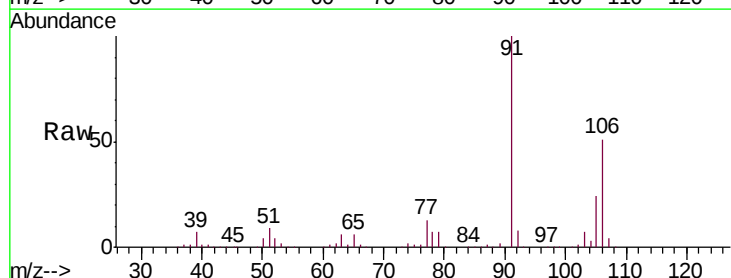
Acq: 12 Dec 2019 16:20

Tgt Ion: 106 Resp: 444580

Ion Ratio Lower Upper

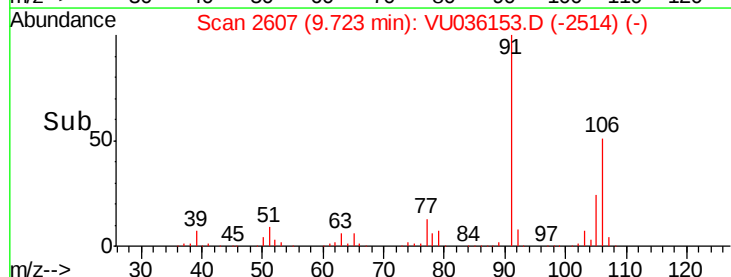
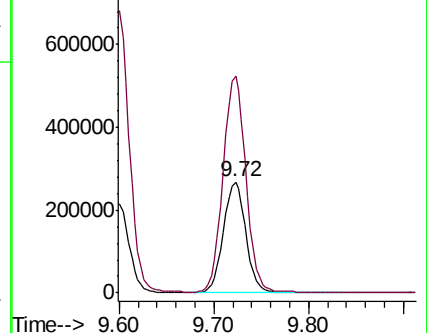
106 100

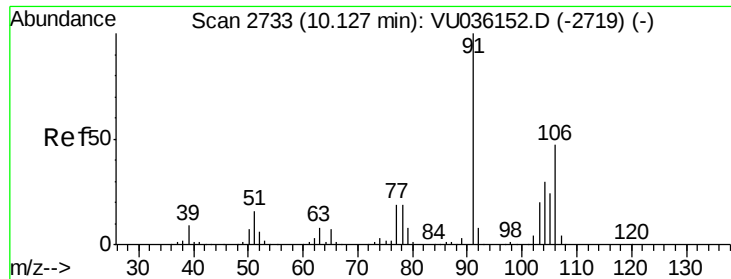
91 195.2 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU036153.D (-2593) (-)

Ion 91.15 (90.85 to 91.85): VU036153.D (-2593) (-)

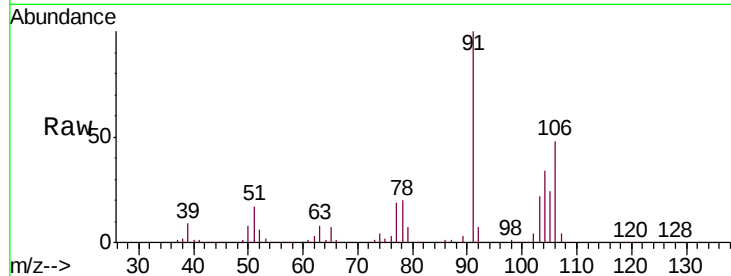




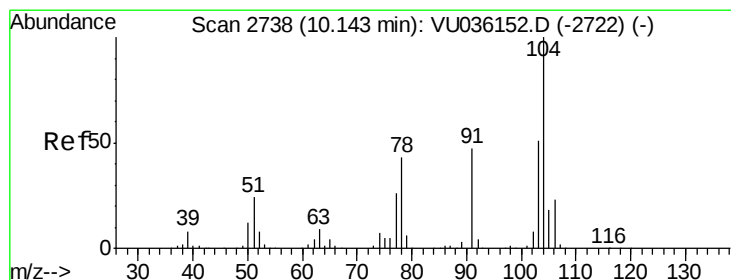
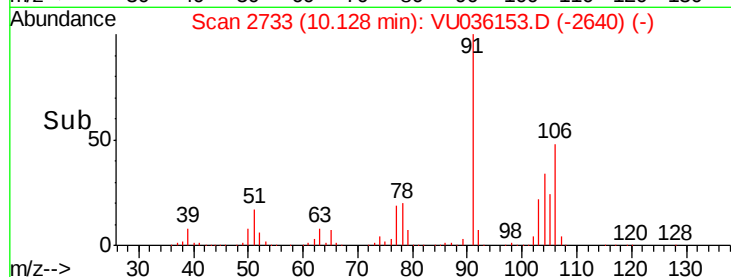
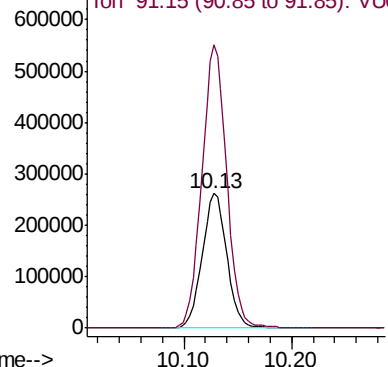
#54
o-Xylene
Concen: 10.993 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:106 Resp: 418600
Ion Ratio Lower Upper
106 100
91 210.1 148.5 275.7

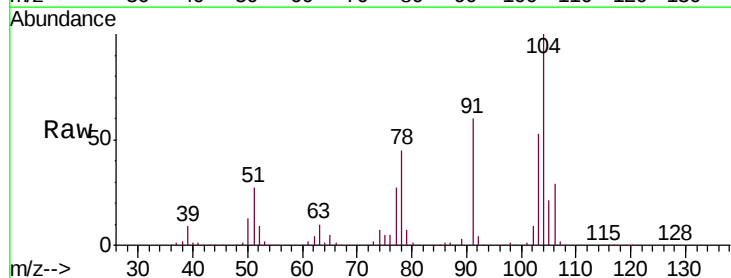


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

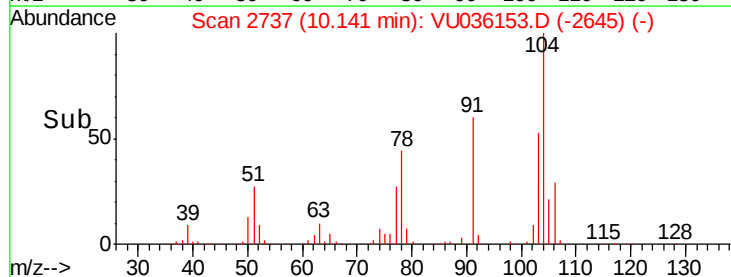
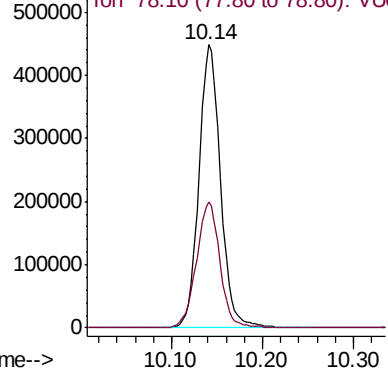


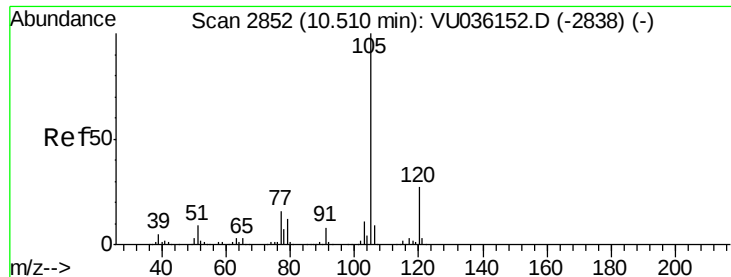
#55
Styrene
Concen: 11.296 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036153.D
Acq: 12 Dec 2019 16:20

Tgt Ion:104 Resp: 741255
Ion Ratio Lower Upper
104 100
78 44.5 30.0 55.8



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





#56

Isopropylbenzene

Concen: 10.795 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

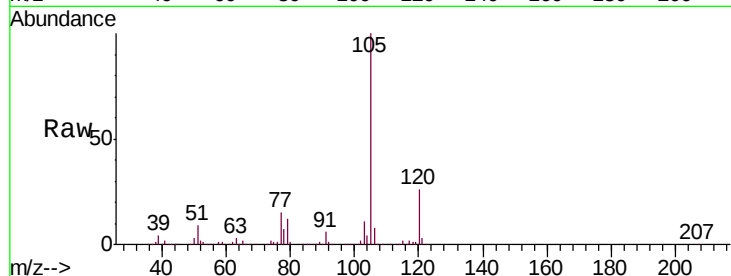
Tgt Ion:105 Resp: 1085432

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

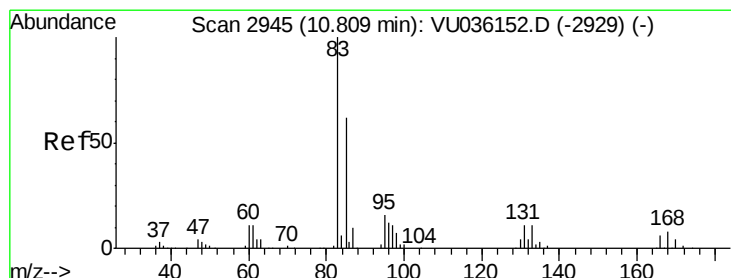
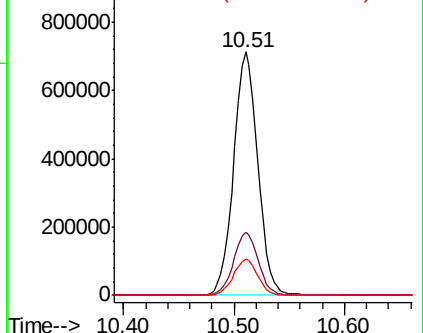
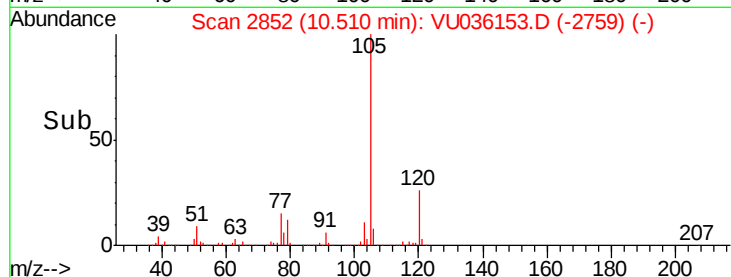
77 15.1 12.6 18.8



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: 9.685 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

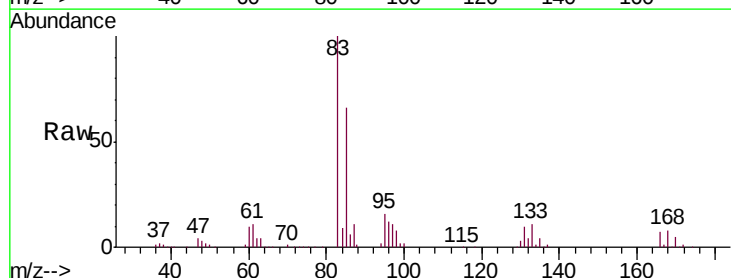
Tgt Ion: 83 Resp: 231401

Ion Ratio Lower Upper

83 100

85 66.0 43.2 80.2

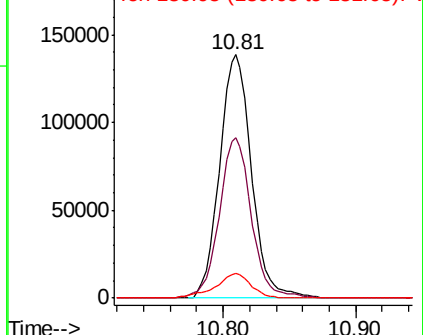
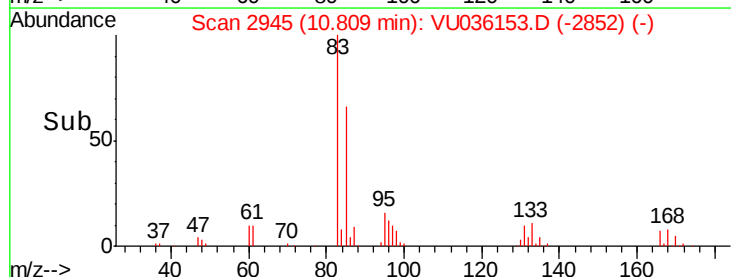
131 10.3 8.6 12.8

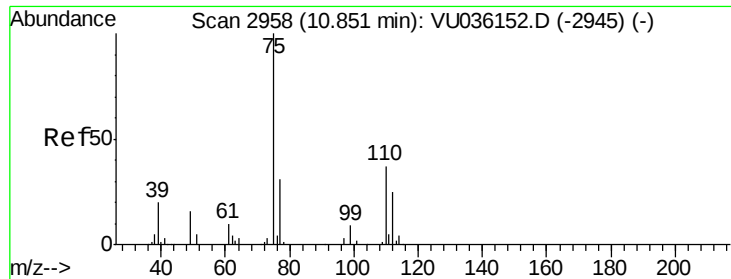


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.534 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

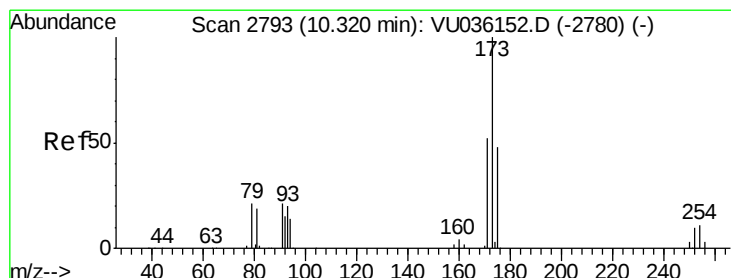
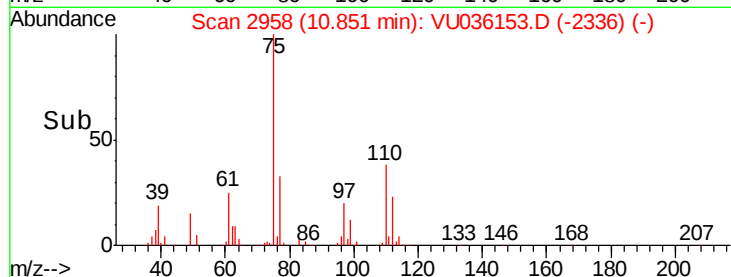
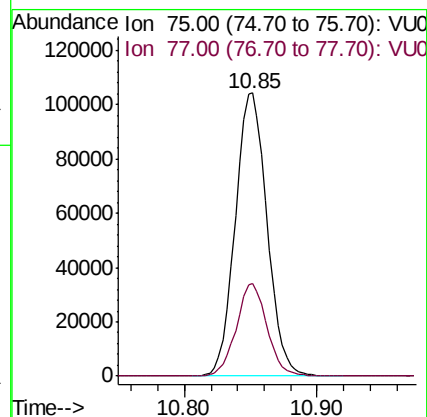
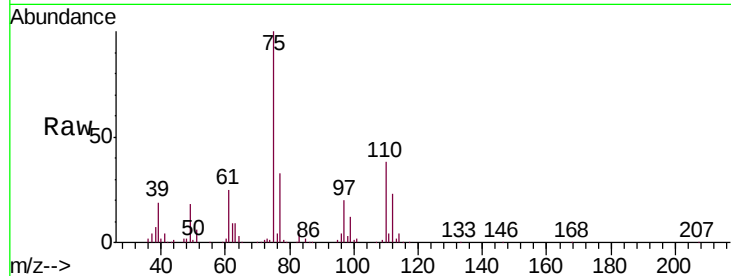
VSTD01003

Tgt Ion: 75 Resp: 173666

Ion Ratio Lower Upper

75 100

77 31.7 26.6 39.8



#61

Bromoform

Concen: 8.214 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

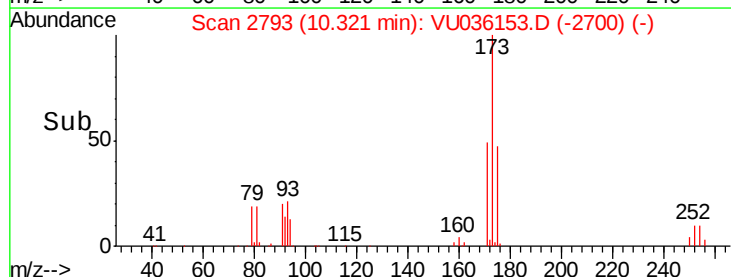
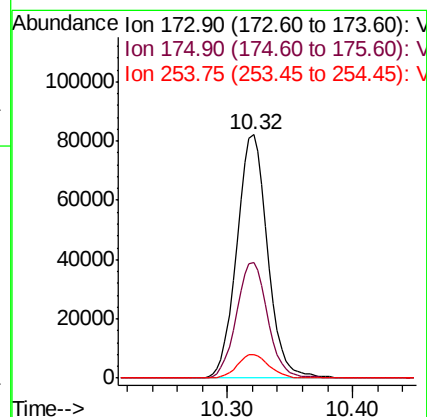
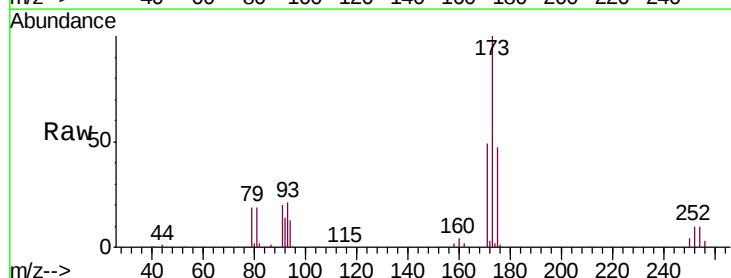
Tgt Ion: 173 Resp: 139621

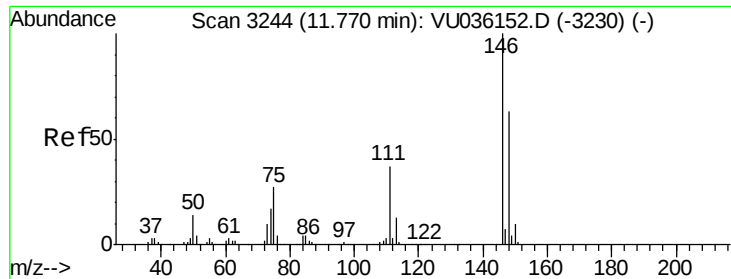
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 9.9 8.0 12.0

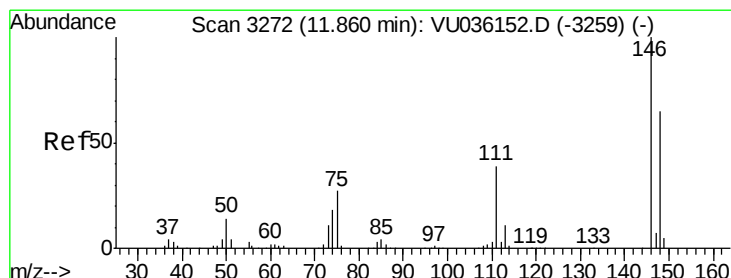
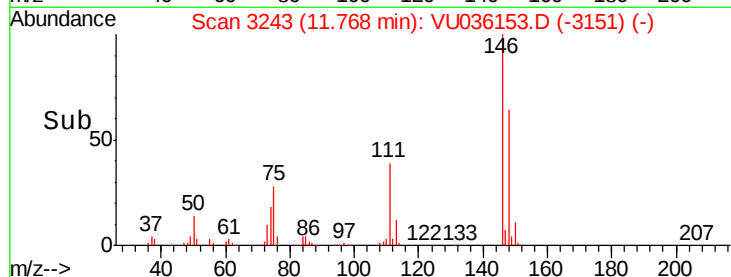
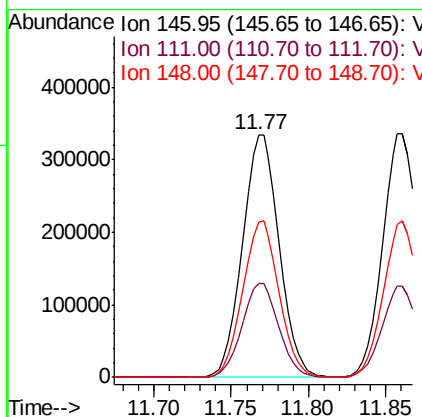
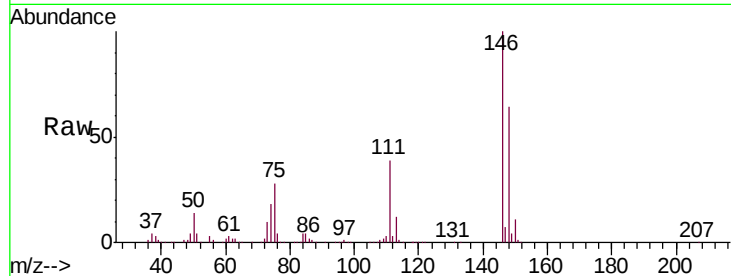




#62
 1,3-Dichlorobenzene
 Concen: 9.750 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

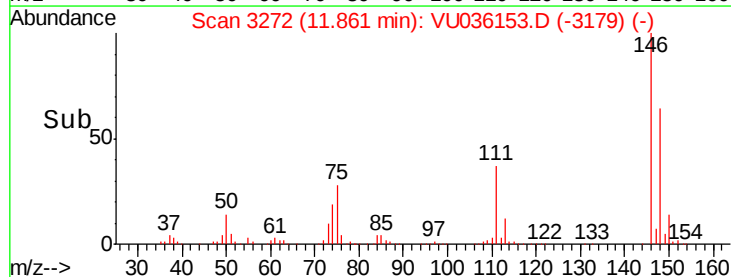
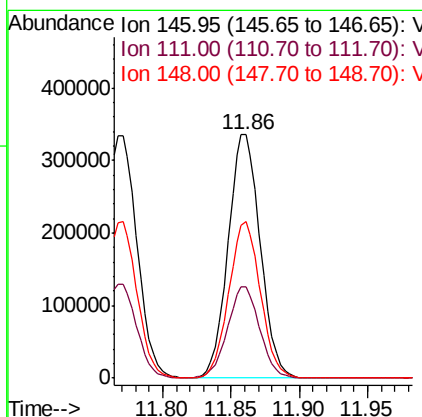
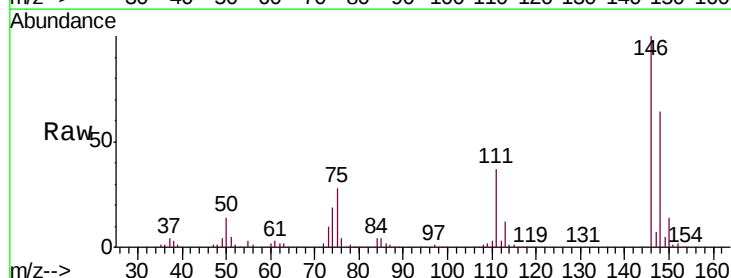
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

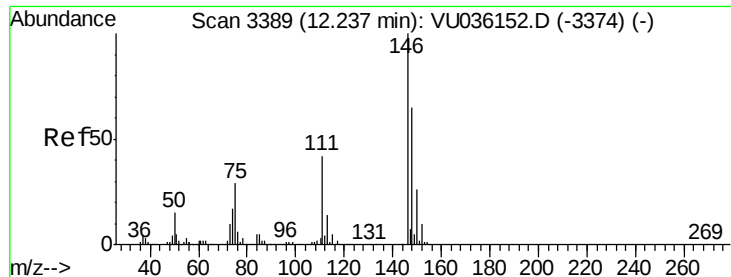
Tgt Ion:146 Resp: 550619
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.2 48.6
 148 64.0 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 9.912 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036153.D
 Acq: 12 Dec 2019 16:20

Tgt Ion:146 Resp: 547453
 Ion Ratio Lower Upper
 146 100
 111 37.4 27.5 51.1
 148 64.1 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 9.439 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

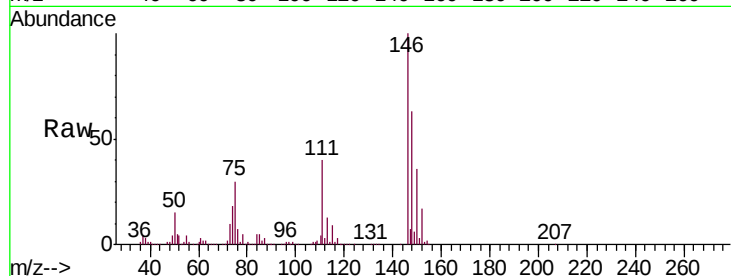
Tgt Ion:146 Resp: 525123

Ion Ratio Lower Upper

146 100

111 40.2 33.3 49.9

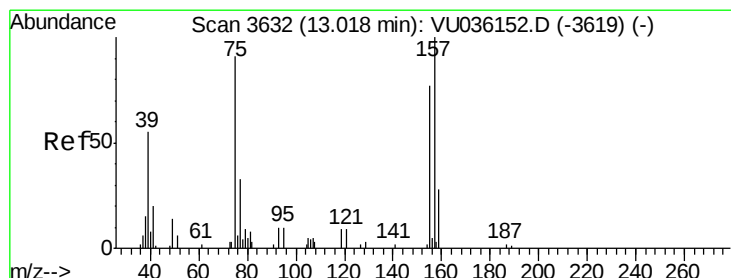
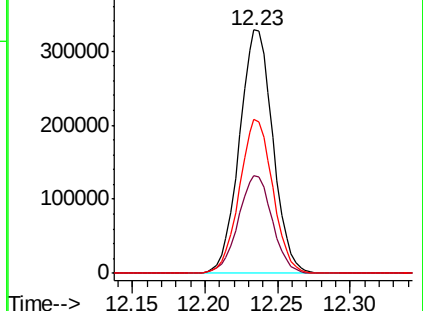
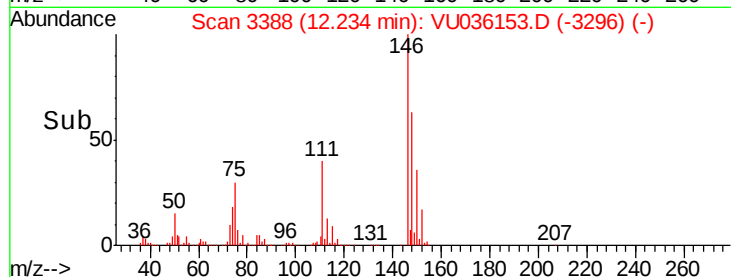
148 63.1 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.297 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

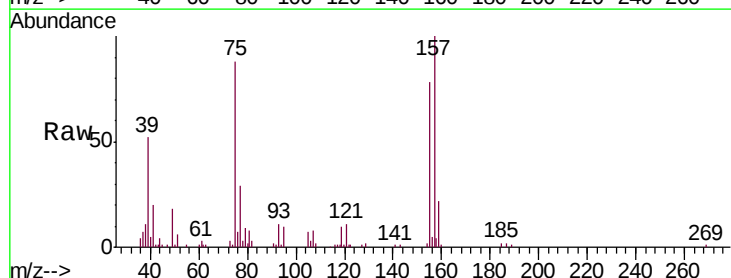
Tgt Ion: 75 Resp: 32127

Ion Ratio Lower Upper

75 100

155 88.1 68.2 102.2

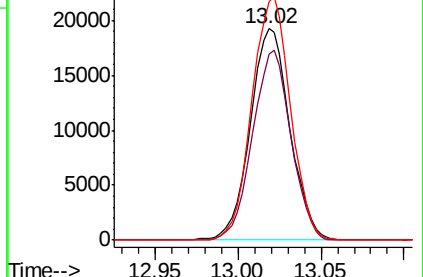
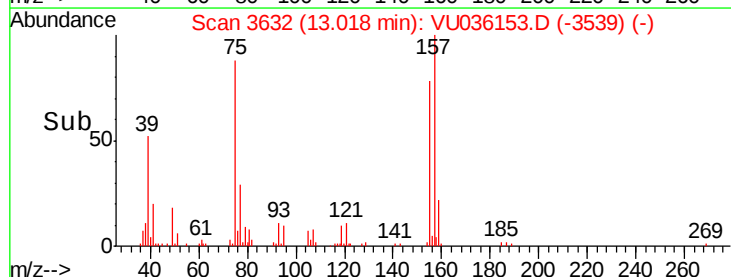
157 113.0 88.2 132.2

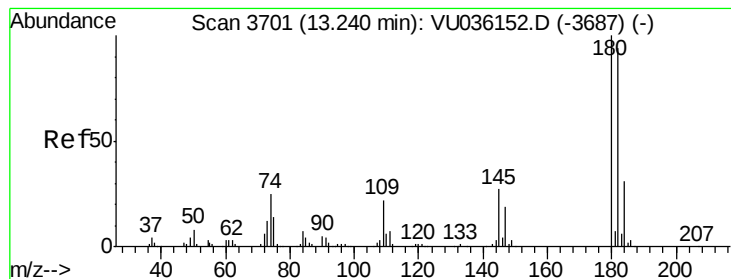


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 10.094 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion:180 Resp: 373219

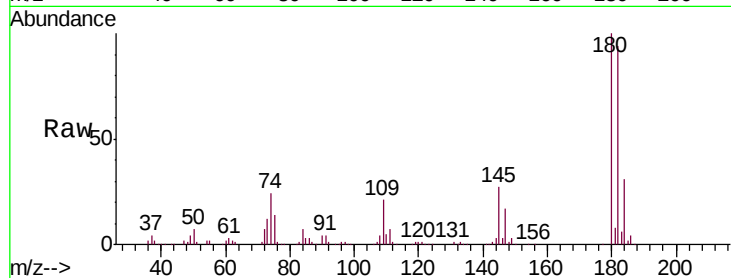
Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

184 30.9 24.1 36.1

145 27.4 22.1 33.1

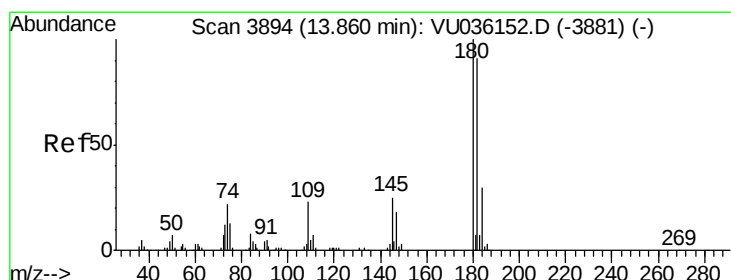
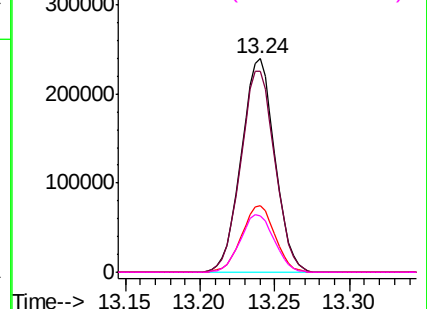
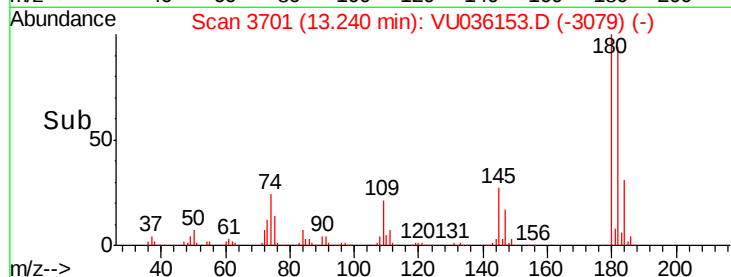


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 11.512 ug/L

RT: 13.86 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

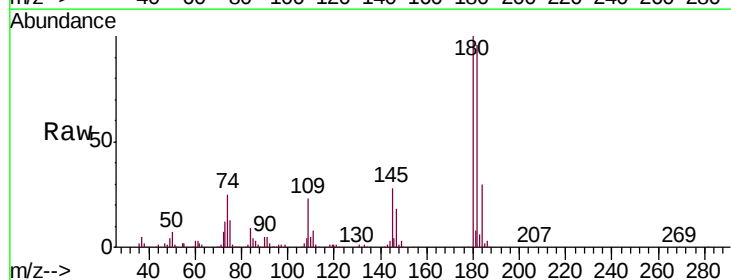
Tgt Ion:180 Resp: 225088

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.6

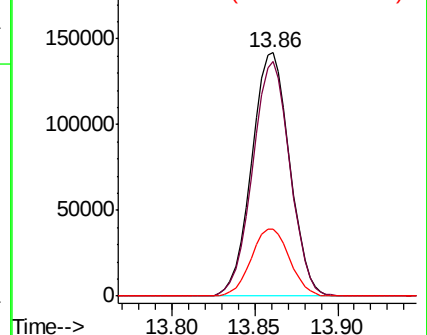
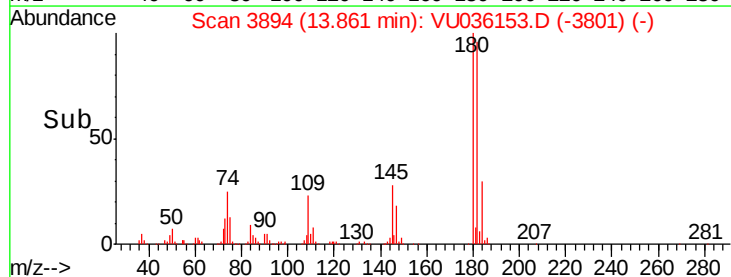
145 28.2 21.8 32.6

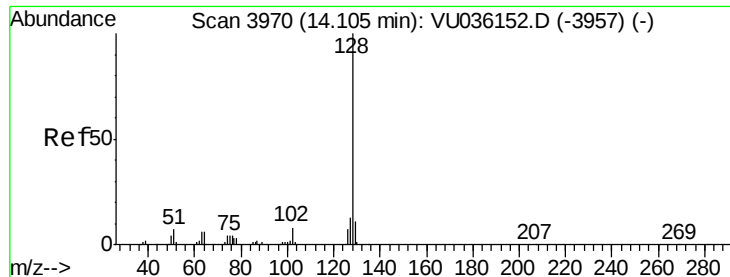


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.978 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

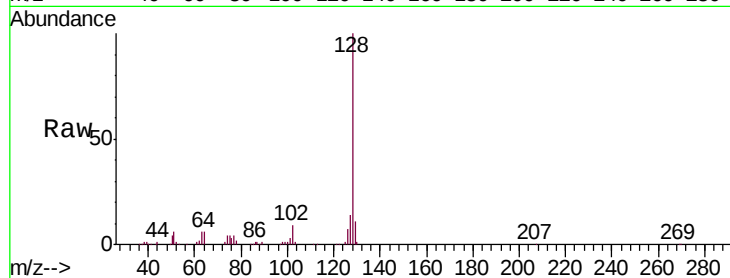
Tgt Ion:128 Resp: 230393

Ion Ratio Lower Upper

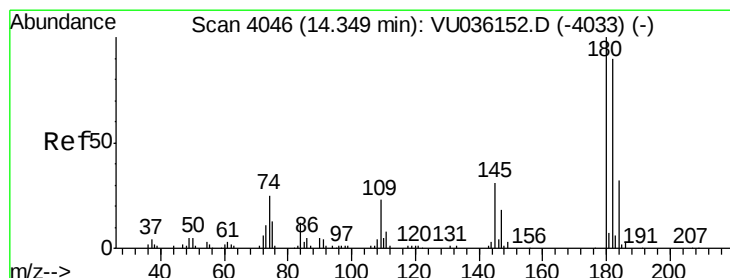
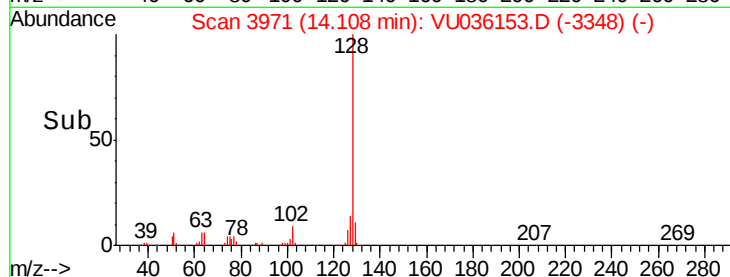
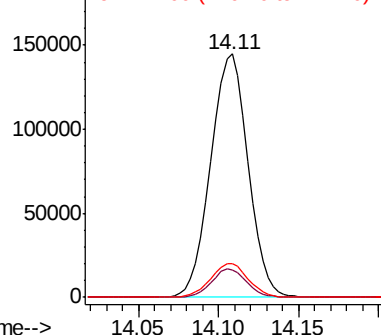
128 100

129 10.9 8.8 13.2

127 14.0 11.3 16.9



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: 11.178 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036153.D

Acq: 12 Dec 2019 16:20

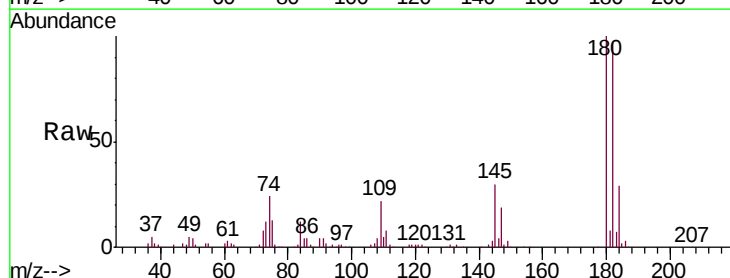
Tgt Ion:180 Resp: 213829

Ion Ratio Lower Upper

180 100

182 96.5 74.8 112.2

145 30.8 24.1 36.1



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

