

Data File : VU034953.D
Acq On : 07 Oct 2019 11:31
Operator : JC/SP
Sample : VSTD02003
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Quant Time: Oct 09 01:56:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	197805	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	199746	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	107340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	246009	13.69	ug/L	0.00
7) Chloroethane-d5	1.67	69	244058	15.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	514315	14.64	ug/L	0.00
20) 2-Butanone-d5	4.17	46	828015	229.53	ug/L	0.00
24) Chloroform-d	4.62	84	484115	17.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	274796	18.21	ug/L	0.00
32) Benzene-d6	5.32	84	1001810	18.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	330226	19.42	ug/L	0.00
41) Toluene-d8	7.54	98	982776	19.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	133537	19.99	ug/L	0.00
46) 2-Hexanone-d5	8.29	63	712569	252.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	288848	20.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	373188	18.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	374096	22.155	ug/L	99
3) Chloromethane	1.32	50	397246	20.481	ug/L	100
5) Vinyl chloride	1.40	62	402697	19.594	ug/L	99
6) Bromomethane	1.62	94	265634	20.894	ug/L	98
8) Chloroethane	1.68	64	234932	17.866	ug/L	98
9) Trichlorofluoromethane	1.87	101	479656	16.797	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	270298	17.011	ug/L	99
12) 1,1-Dichloroethene	2.27	96	263472	17.136	ug/L	93
13) Acetone	2.32	43	599134	191.052	ug/L	98
14) Carbon disulfide	2.46	76	880161	17.675	ug/L	98
15) Methyl Acetate	2.60	43	155530	19.923	ug/L	100
16) Methylene chloride	2.68	84	287751	15.385	ug/L	99
17) Methyl tert-butyl Ether	2.98	73	743091	18.476	ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	277528	16.393	ug/L	99
19) 1,1-Dichloroethane	3.42	63	549124	20.612	ug/L	97
21) 2-Butanone	4.25	43	954516	253.904	ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	321342	21.591	ug/L	98
23) Bromochloromethane	4.52	128	136694	20.858	ug/L	90
25) Chloroform	4.65	83	573082	19.275	ug/L	100
27) 1,2-Dichloroethane	5.38	62	374698	21.605	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	459464	20.250	ug/L	99
30) Cyclohexane	4.96	56	527465	24.682	ug/L	99
31) Carbon tetrachloride	5.11	117	409901	20.576	ug/L	100
33) Benzene	5.36	78	1225058	21.630	ug/L	100
34) Trichloroethene	6.16	95	317358	21.187	ug/L	95
35) Methylcyclohexane	6.39	83	543147	23.722	ug/L	99
37) 1,2-Dichloropropane	6.41	63	333356	21.767	ug/L	99
38) Bromodichloromethane	6.73	83	395863	20.572	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	492099	22.684	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	2367451	266.588	ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1334202	21.996	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	400171	23.077	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	230146	21.256	ug/L	99
47) Tetrachloroethene	8.20	164	252854	21.024	ug/L	100
48) 2-Hexanone	8.34	43	1681102	261.557	ug/L	99
49) Dibromochloromethane	8.45	129	279152	21.593	ug/L	96
50) 1,2-Dibromoethane	8.57	107	225467	21.845	ug/L #	98
51) Chlorobenzene	9.10	112	837400	21.139	ug/L	99
52) Ethylbenzene	9.23	91	1499642	23.011	ug/L	99
53) m,p-Xylene	9.35	106	561084	22.974	ug/L	99
54) o-Xylene	9.76	106	549248	23.500	ug/L	99
55) Styrene	9.77	104	938489	23.312	ug/L	99
56) Isopropylbenzene	10.14	105	1472969	23.627	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	319252	22.929	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	225816	22.755	ug/L	99
61) Bromoform	9.94	173	163573	22.711	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	673921	21.044	ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	677020	20.252	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	647763	20.460	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	49327	21.007	ug/L	88
67) 1,3,5-Trichlorobenzene	12.86	180	487173	19.774	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	453595	23.238	ug/L	99
69) Naphthalene	13.72	128	829592	25.510	ug/L	98
70) 1,2,3-Trichlorobenzene	13.96	180	422308	22.972	ug/L	98

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

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Instrument :
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ClientSampleId :
VSTD02003

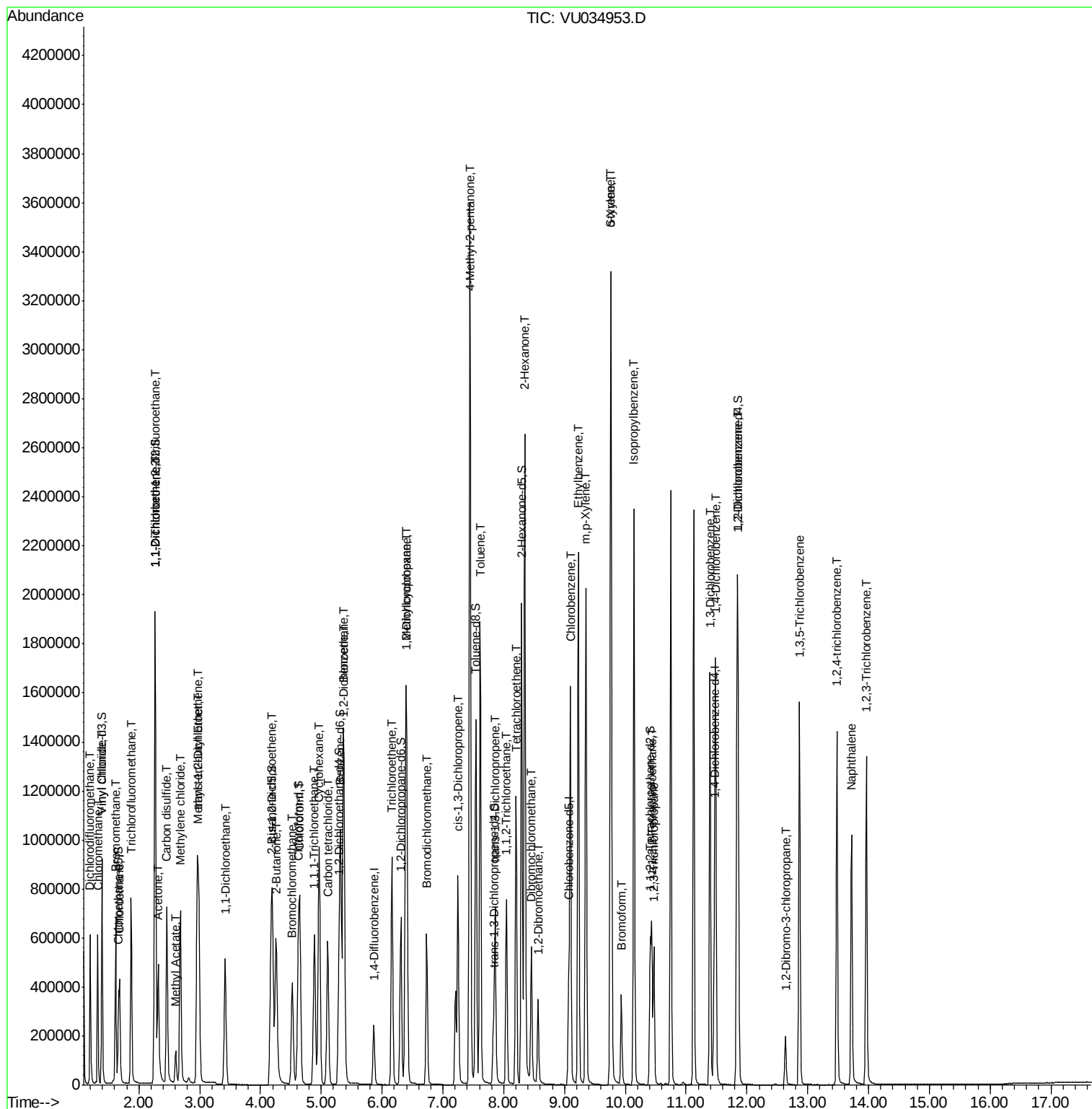
Quant Time: Oct 09 01:56:34 2019

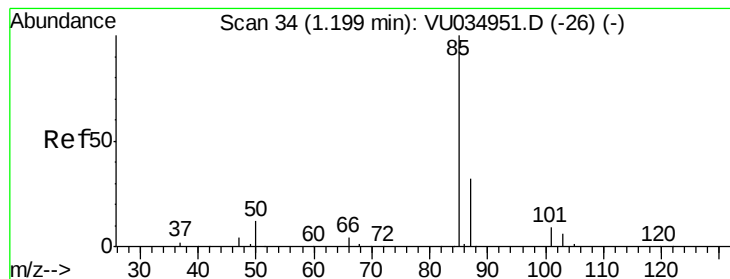
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR100719WMA.M

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#2

Dichlorodifluoromethane

Concen: 22.155 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

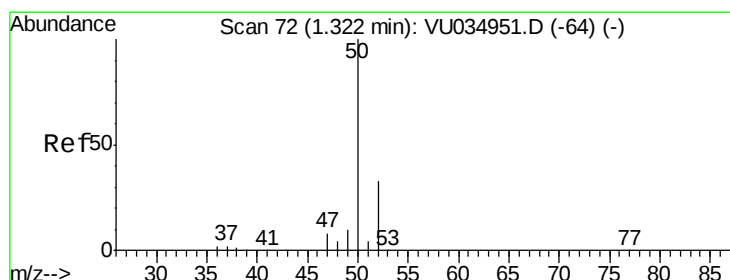
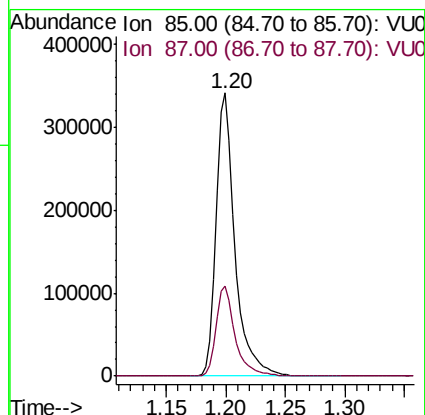
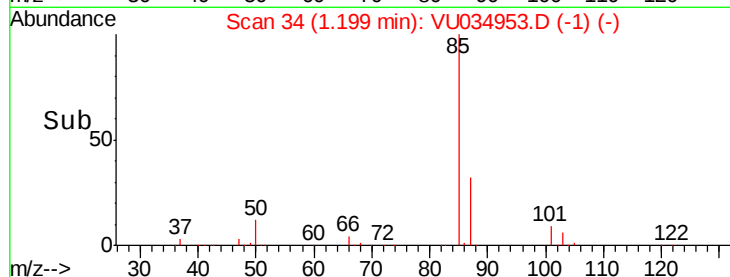
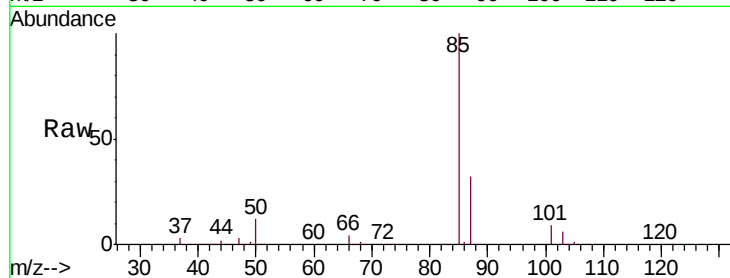
VSTD02003

Tgt Ion: 85 Resp: 374096

Ion Ratio Lower Upper

85 100

87 32.0 25.9 38.9



#3

Chloromethane

Concen: 20.481 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034953.D

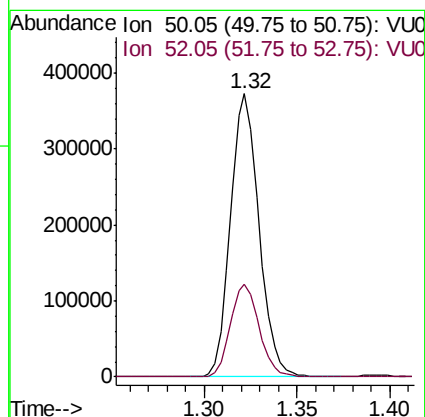
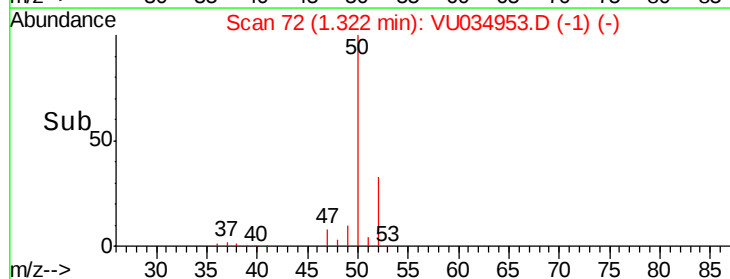
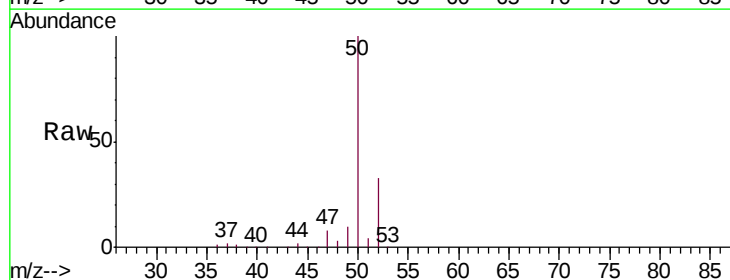
Acq: 07 Oct 2019 11:31

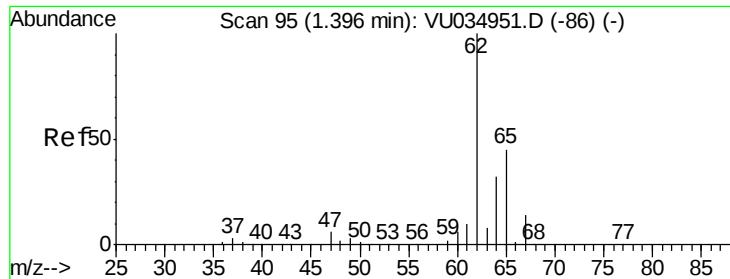
Tgt Ion: 50 Resp: 397246

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6





#5

Vinyl chloride

Concen: 19.594 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

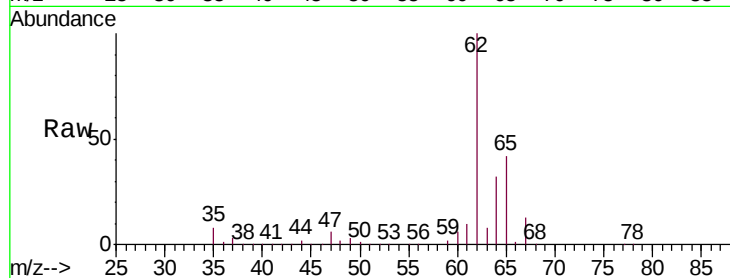
VSTD02003

Tgt Ion: 62 Resp: 402697

Ion Ratio Lower Upper

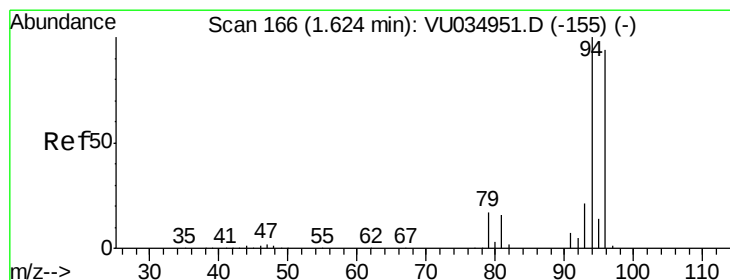
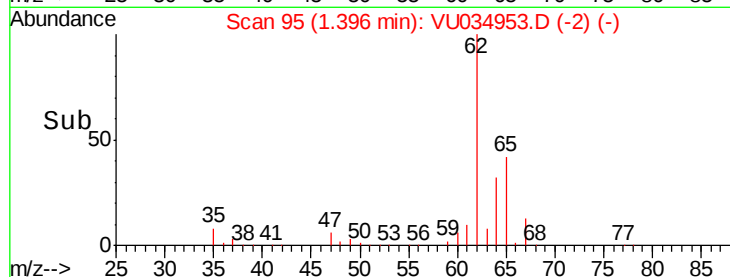
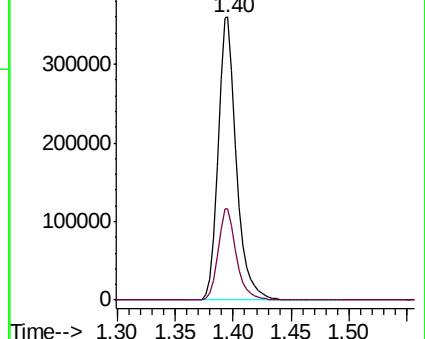
62 100

64 32.5 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 20.894 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU034953.D

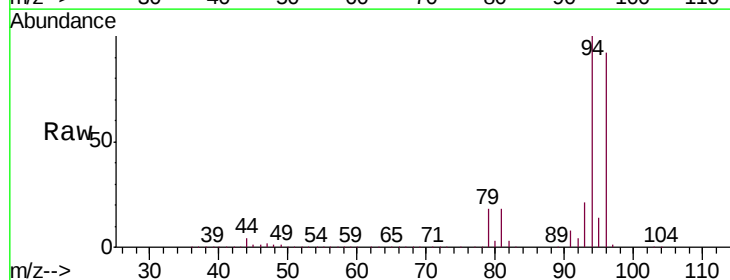
Acq: 07 Oct 2019 11:31

Tgt Ion: 94 Resp: 265634

Ion Ratio Lower Upper

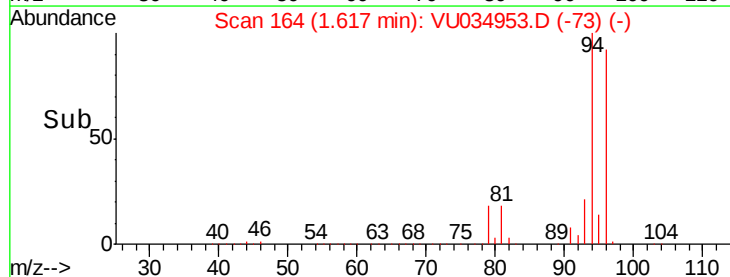
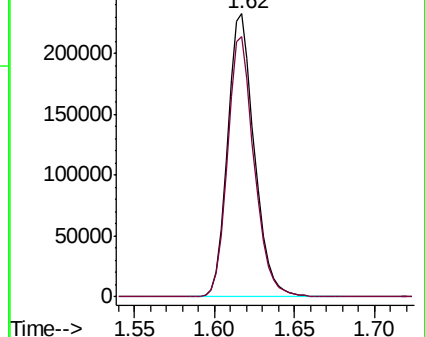
94 100

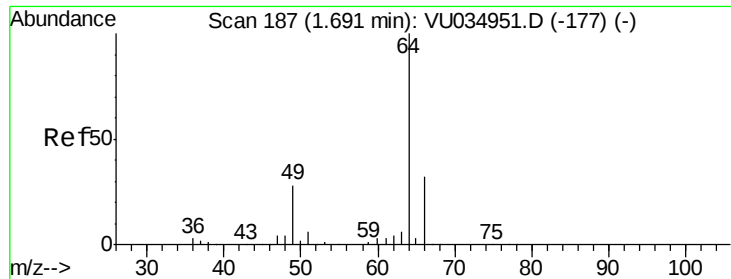
96 92.2 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

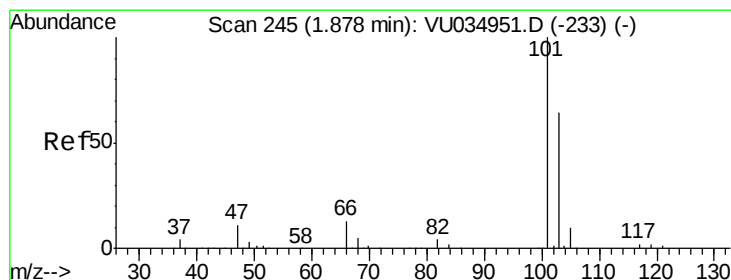
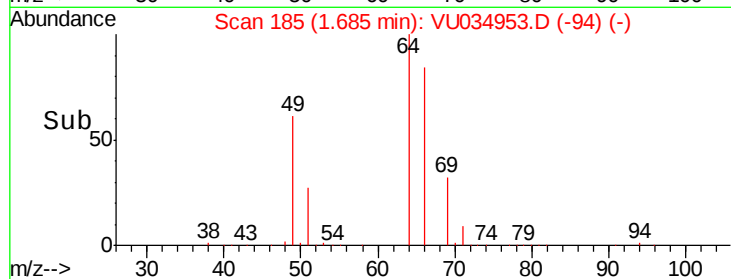
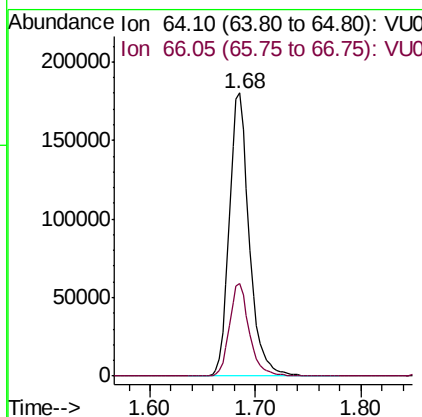
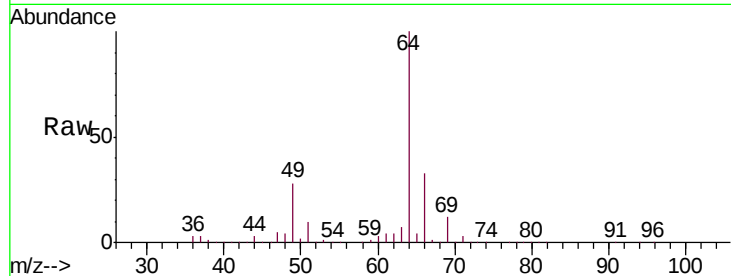




#8
 Chloroethane
 Concen: 17.866 ug/L
 RT: 1.68 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

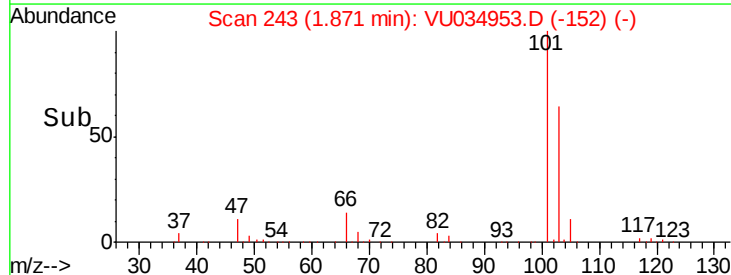
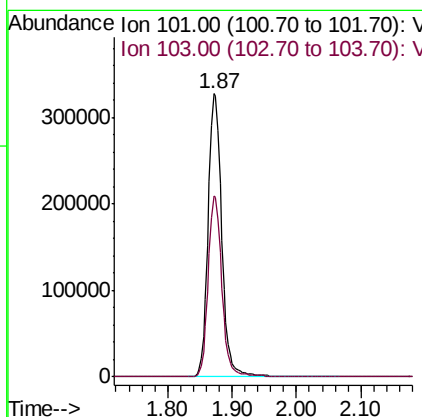
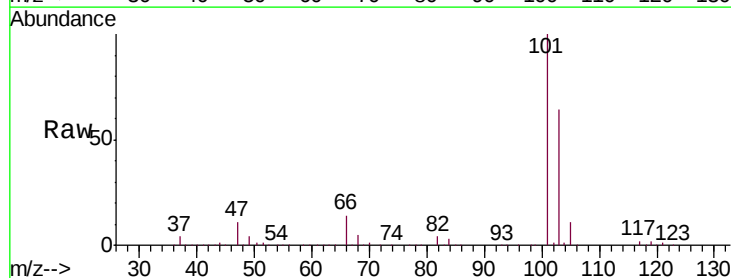
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

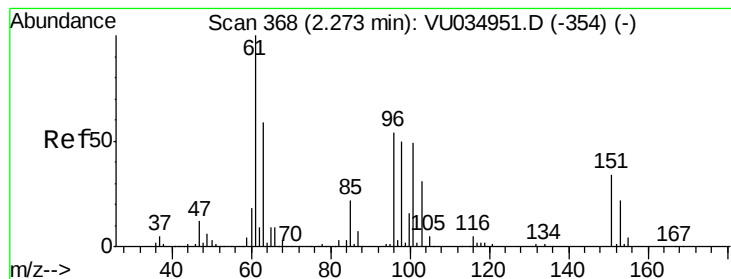
Tgt Ion: 64 Resp: 234932
 Ion Ratio Lower Upper
 64 100
 66 32.8 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 16.797 ug/L
 RT: 1.87 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 101 Resp: 479656
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8





#10

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

Concen: 17.011 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

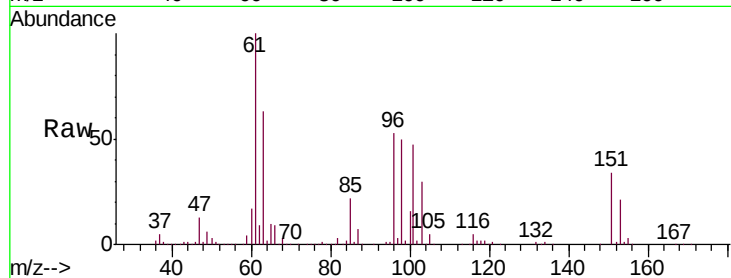
Tgt Ion: 101 Resp: 270298

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

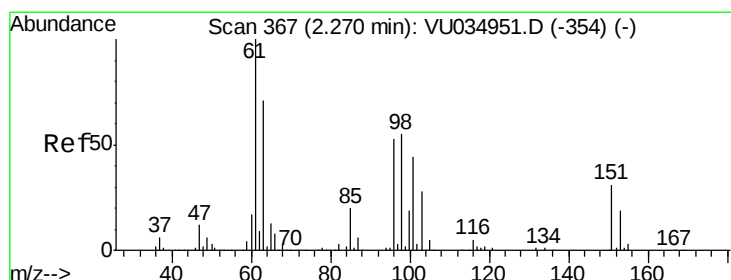
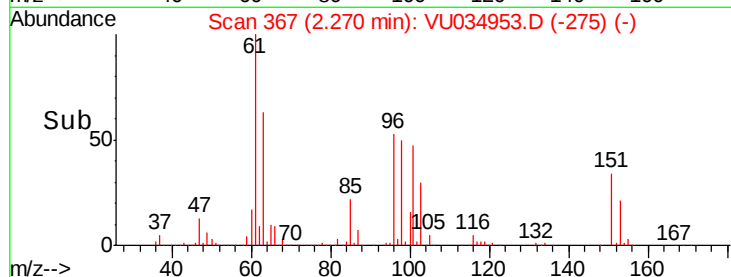
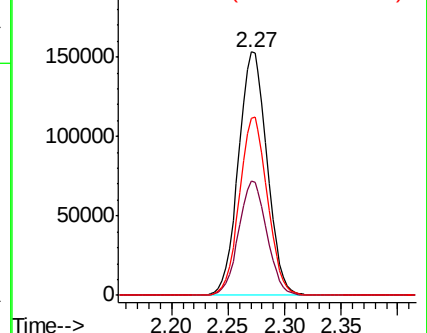
151 71.8 56.9 85.3



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: 17.136 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

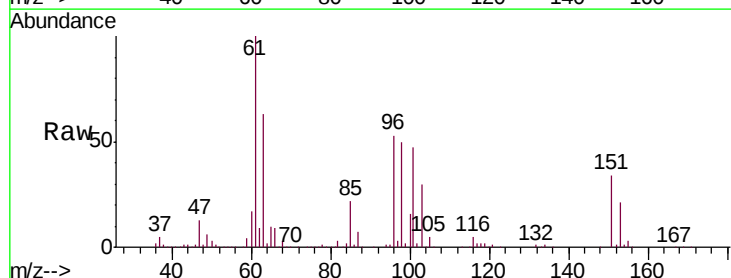
Tgt Ion: 96 Resp: 263472

Ion Ratio Lower Upper

96 100

61 187.5 132.6 246.2

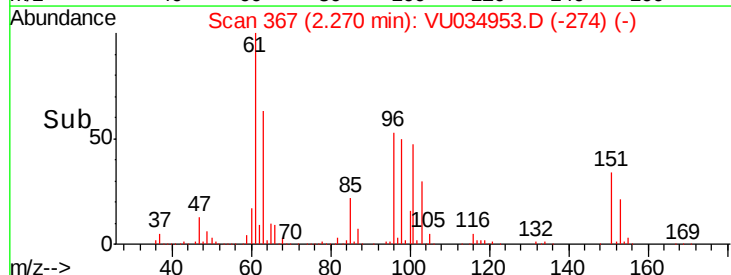
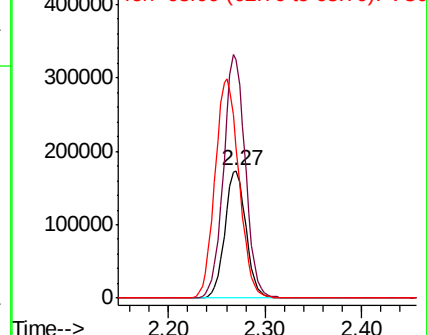
63 117.8 94.3 175.1

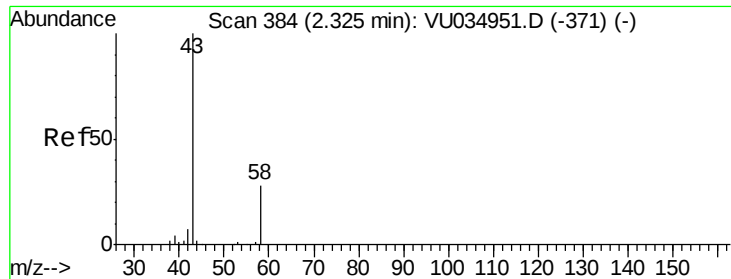


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 191.052 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

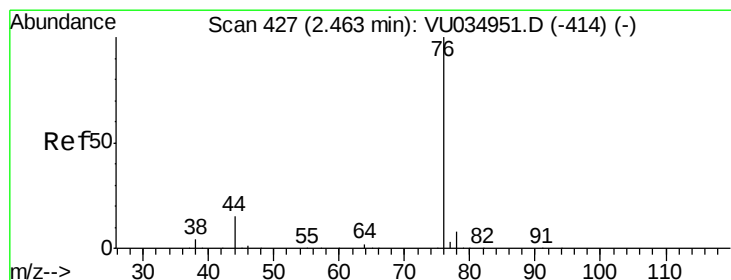
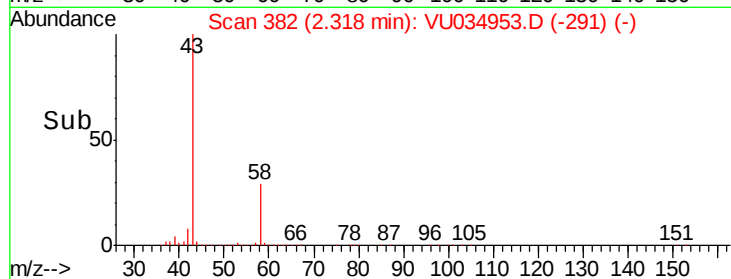
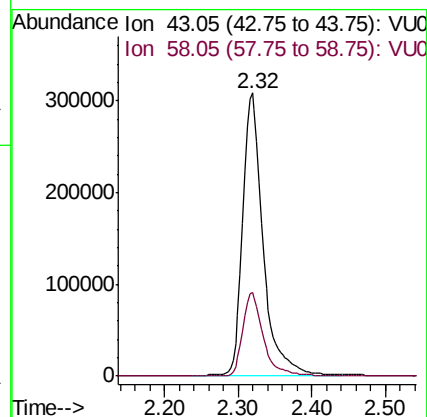
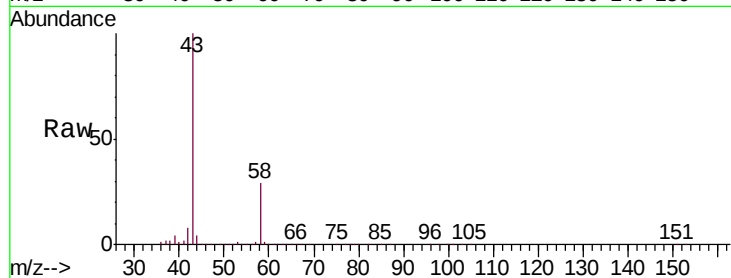
VSTD02003

Tgt Ion: 43 Resp: 599134

Ion Ratio Lower Upper

43 100

58 29.4 0.0 60.8



#14

Carbon disulfide

Concen: 17.675 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034953.D

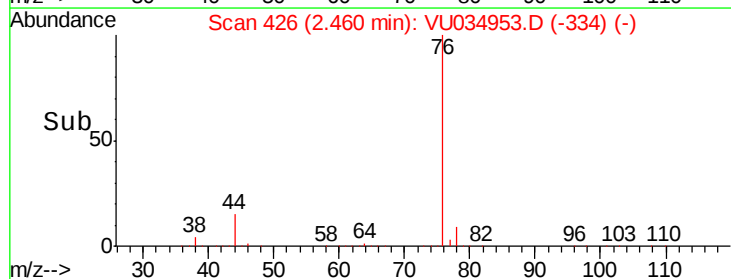
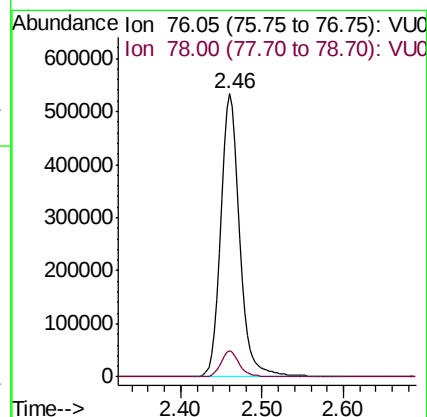
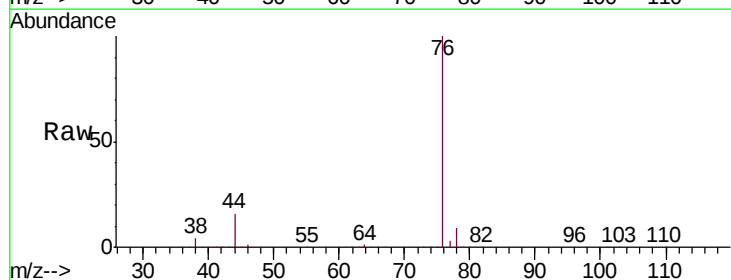
Acq: 07 Oct 2019 11:31

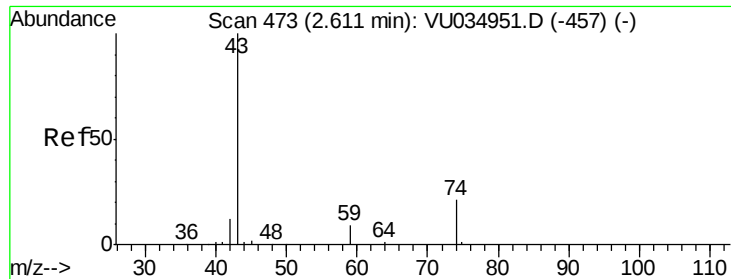
Tgt Ion: 76 Resp: 880161

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3





#15

Methyl Acetate

Concen: 19.923 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

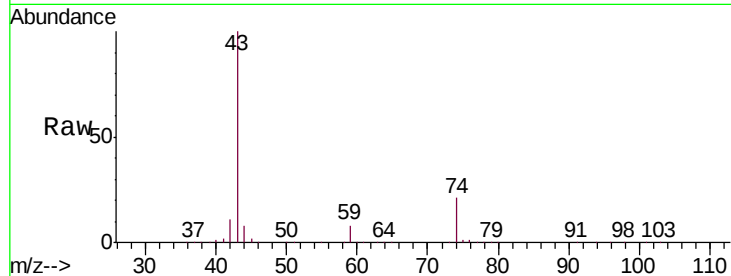
VSTD02003

Tgt Ion: 43 Resp: 155530

Ion Ratio Lower Upper

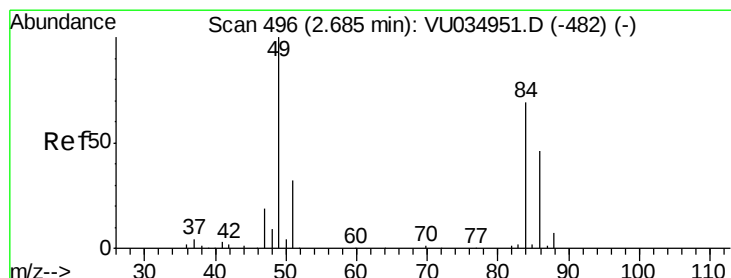
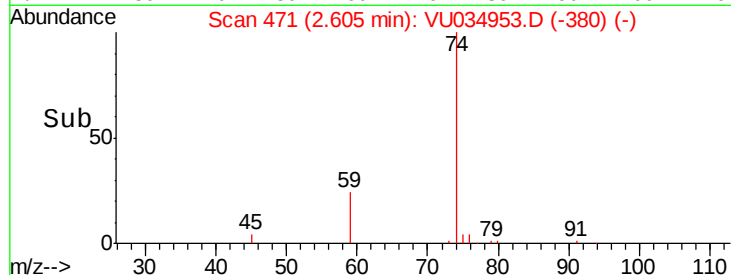
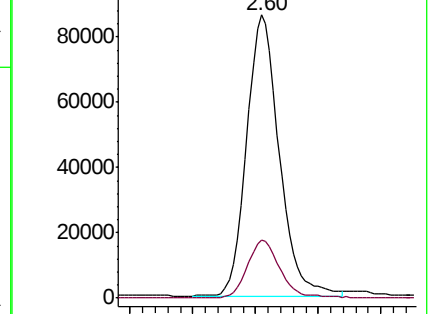
43 100

74 21.2 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU034953.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU034953.D (-380) (-)



#16

Methylene chloride

Concen: 15.385 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

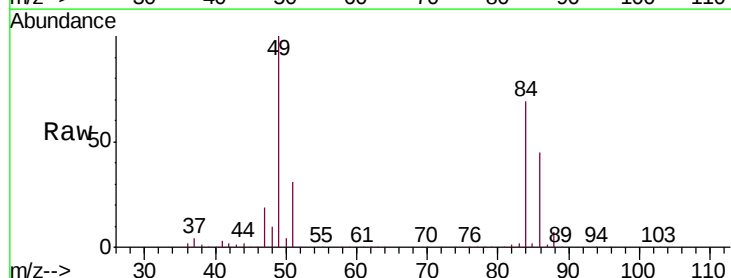
Tgt Ion: 84 Resp: 287751

Ion Ratio Lower Upper

84 100

86 64.7 46.3 86.1

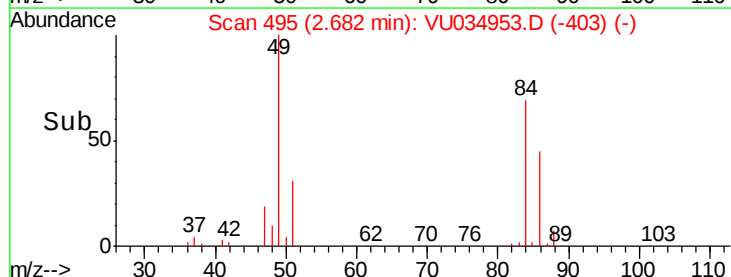
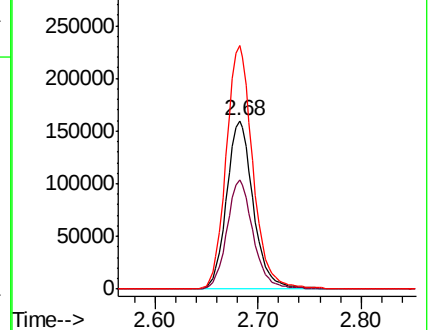
49 144.7 101.4 188.4

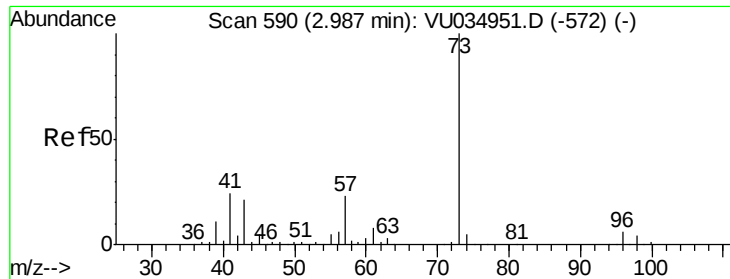


Abundance Ion 84.05 (83.75 to 84.75): VU034953.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034953.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034953.D (-403) (-)

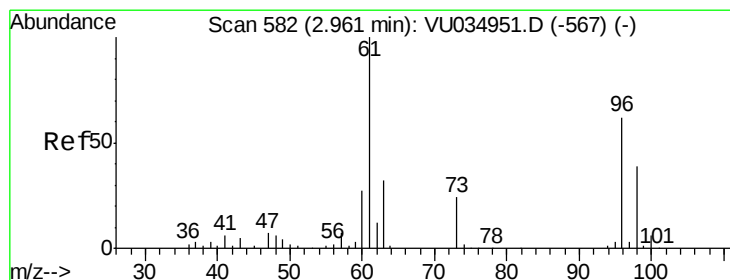
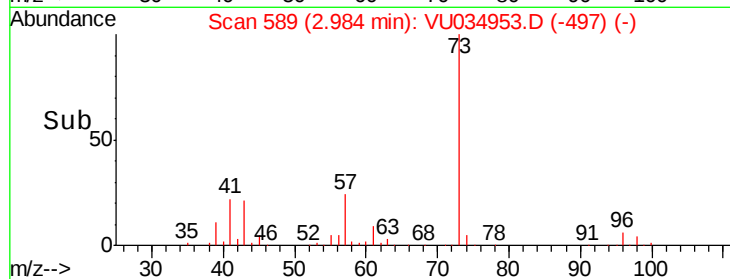
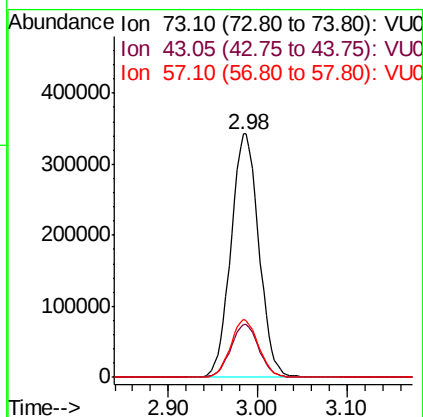
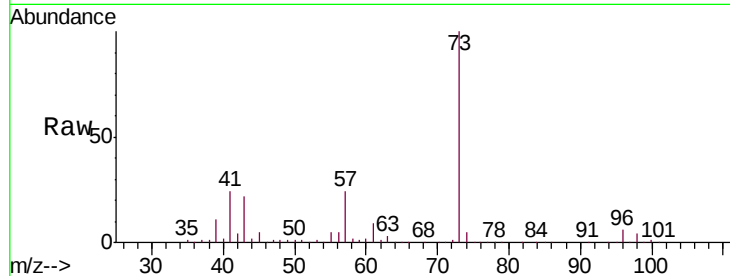




#17
Methyl tert-butyl Ether
Concen: 18.476 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

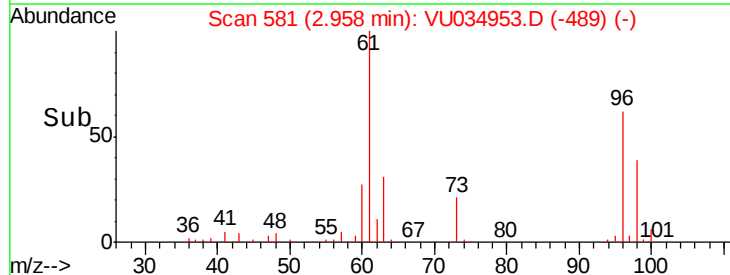
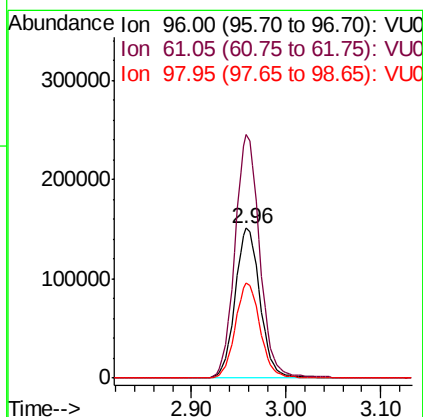
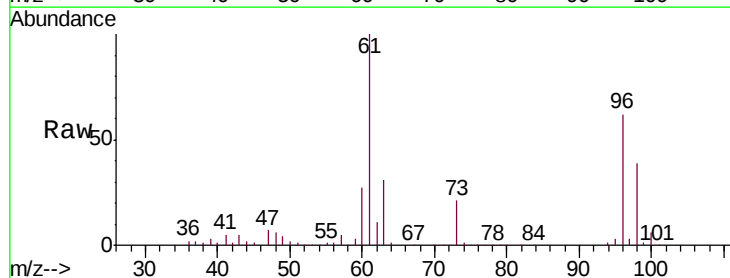
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

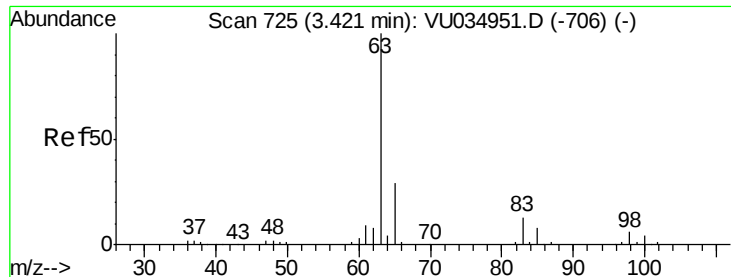
Tgt Ion: 73 Resp: 743091
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.0
57 23.9 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 16.393 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Tgt Ion: 96 Resp: 277528
Ion Ratio Lower Upper
96 100
61 162.4 112.3 208.7
98 63.0 43.5 80.9

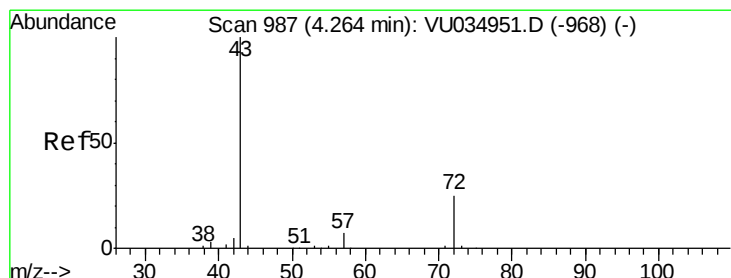
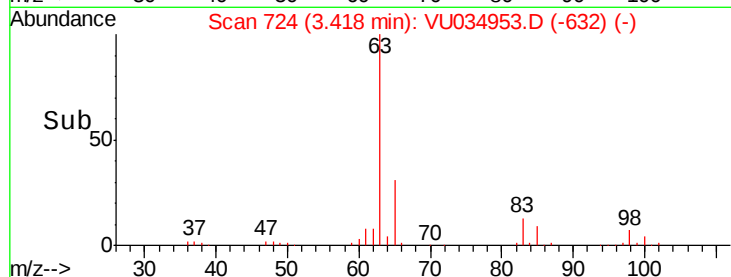
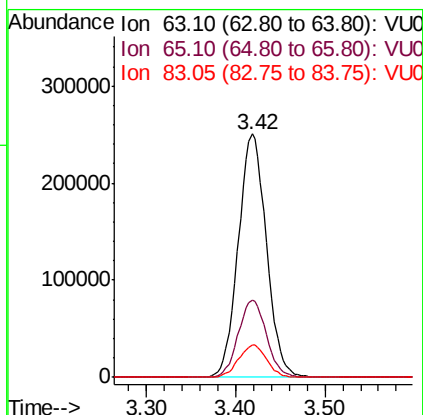
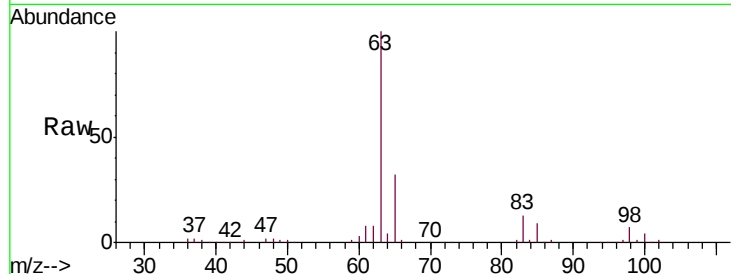




#19
 1,1-Dichloroethane
 Concen: 20.612 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

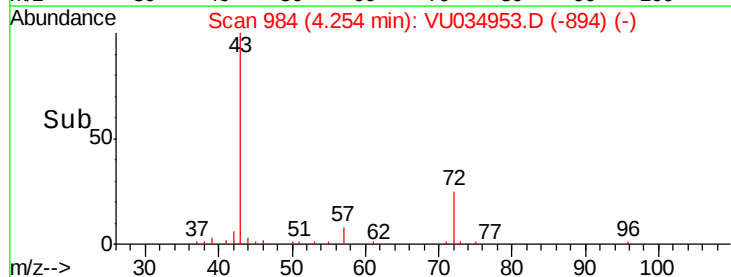
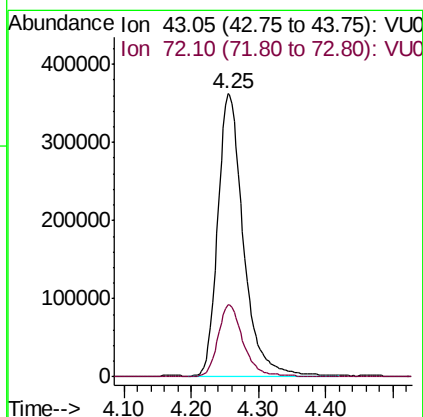
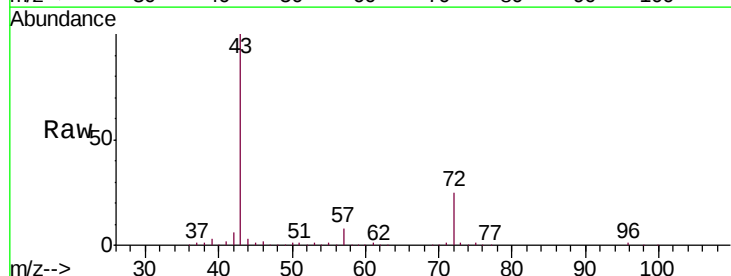
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

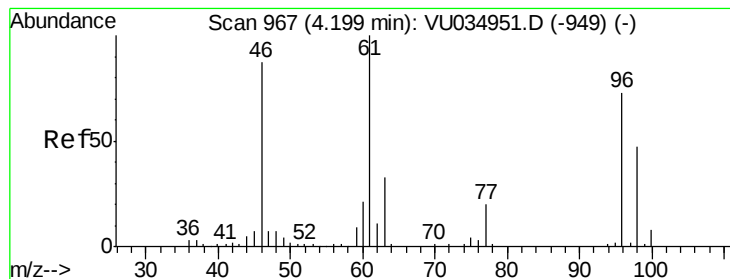
Tgt Ion: 63 Resp: 549124
 Ion Ratio Lower Upper
 63 100
 65 31.5 20.4 38.0
 83 13.2 9.3 17.3



#21
 2-Butanone
 Concen: 253.904 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 43 Resp: 954516
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.0 36.0



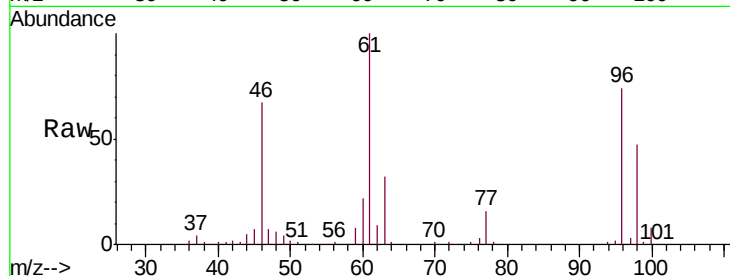


#22

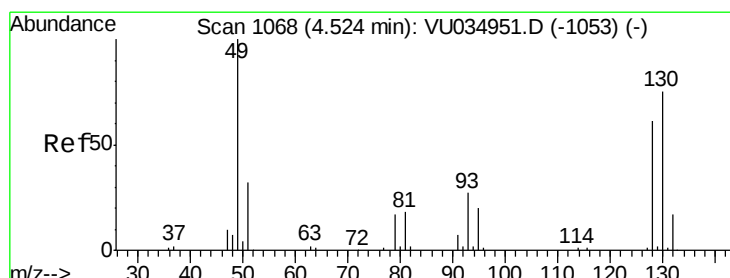
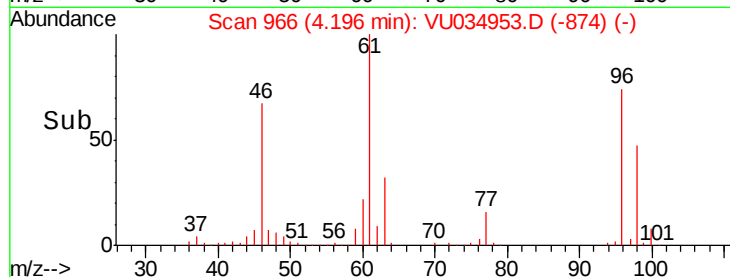
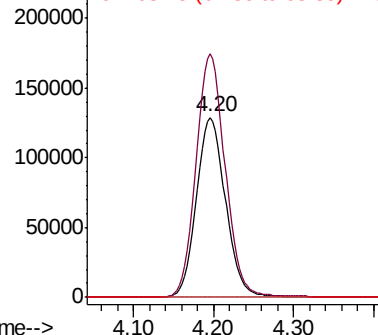
cis-1,2-Dichloroethene
Concen: 21.591 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 96 Resp: 321342
Ion Ratio Lower Upper
96 100
61 135.6 96.4 179.0
68 0.0 0.0 0.0



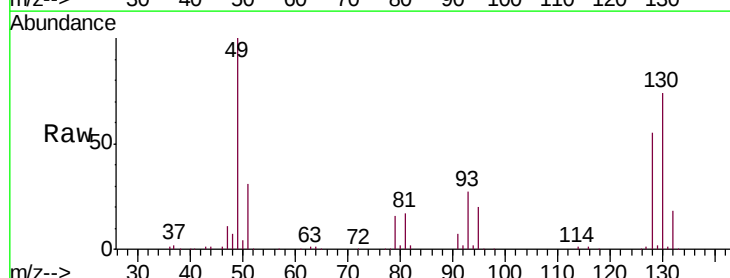
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



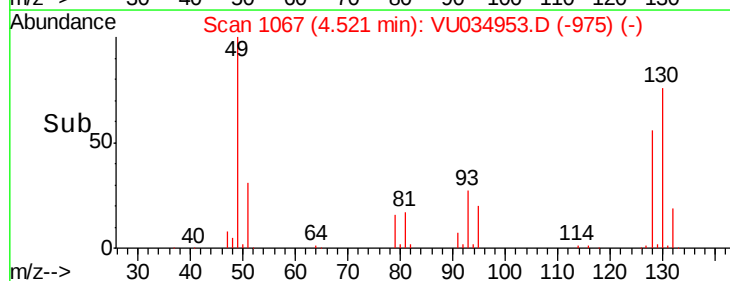
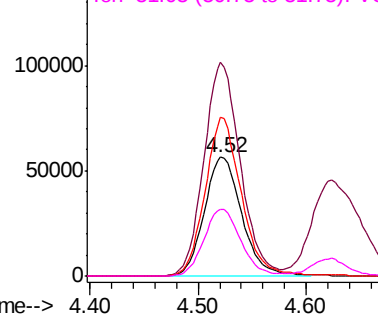
#23

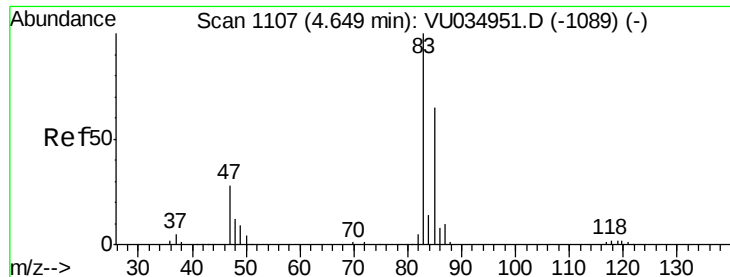
Bromochloromethane
Concen: 20.858 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Tgt Ion: 128 Resp: 136694
Ion Ratio Lower Upper
128 100
49 180.3 116.0 215.4
130 134.0 86.4 160.4
51 56.6 41.6 62.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

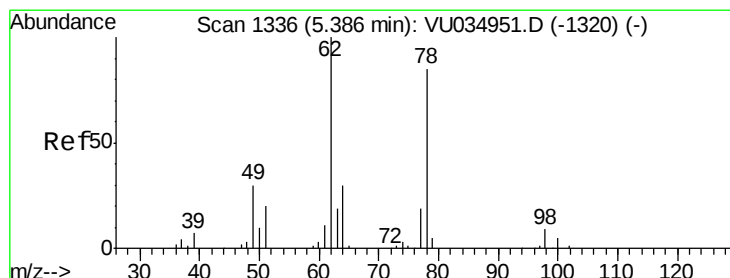
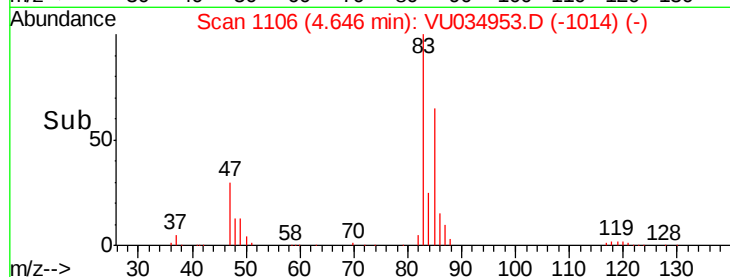
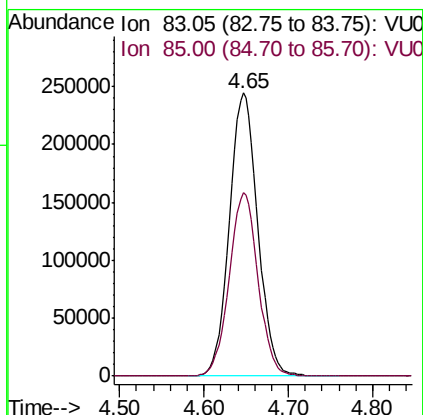
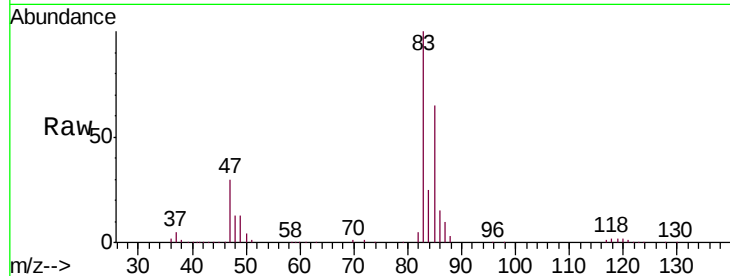




#25
Chloroform
Concen: 19.275 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

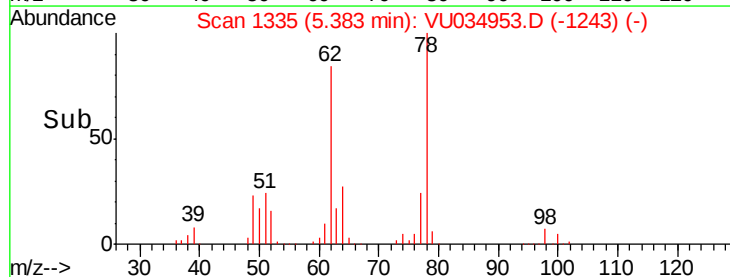
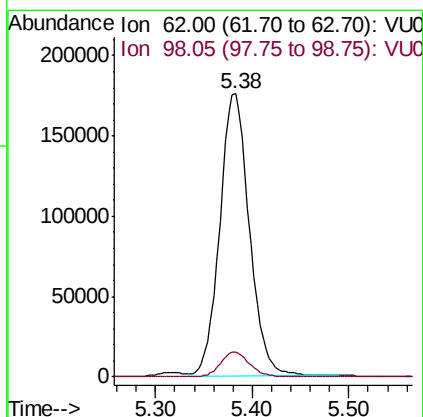
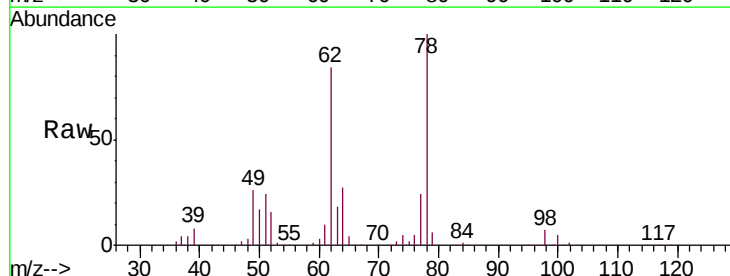
Instrument :
MSVOA_U
ClientSampled :
VSTD02003

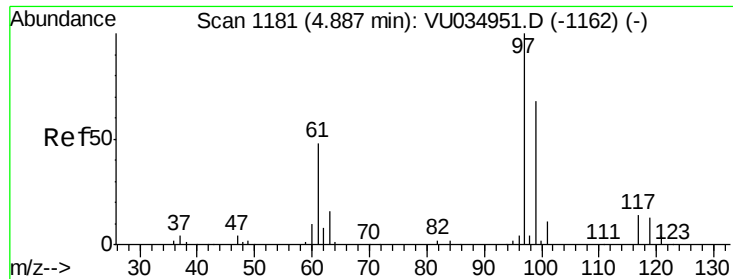
Tgt Ion: 83 Resp: 573082
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 21.605 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Tgt Ion: 62 Resp: 374698
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2

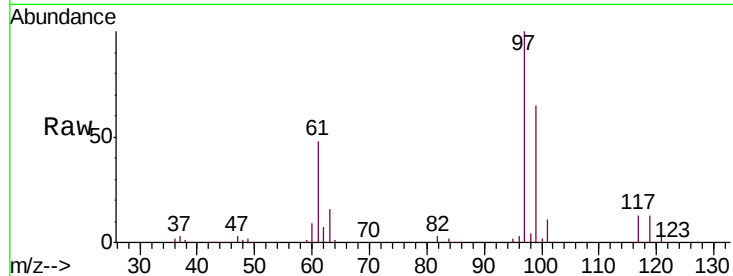




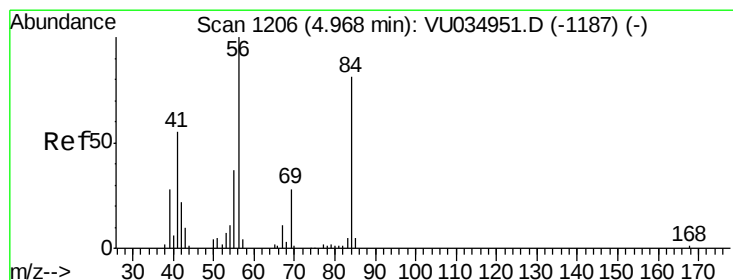
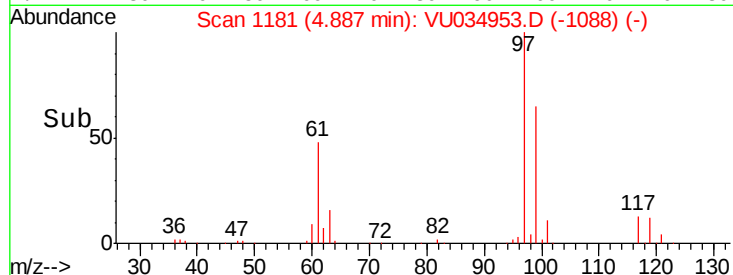
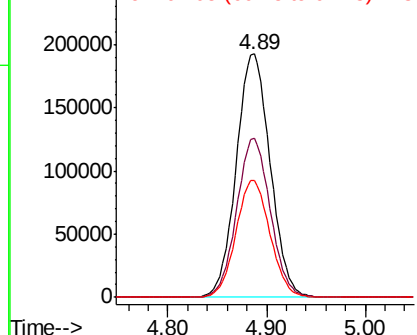
#29
1,1,1-Trichloroethane
Concen: 20.250 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampled :
VSTD02003

Tgt Ion: 97 Resp: 459464
Ion Ratio Lower Upper
97 100
99 64.8 52.3 78.5
61 48.0 39.0 58.4

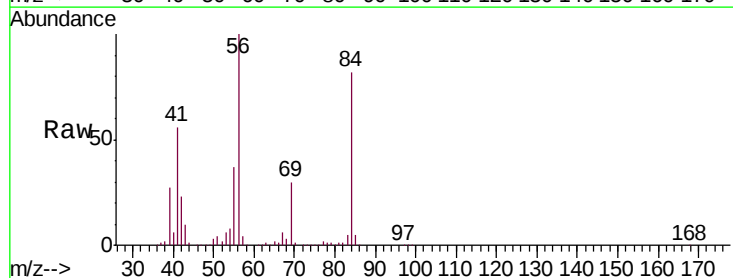


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

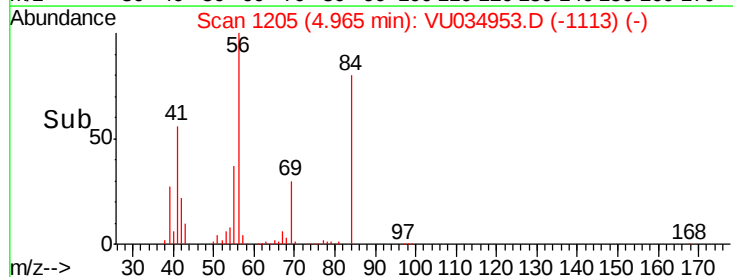
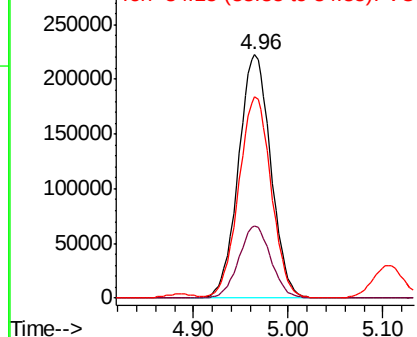


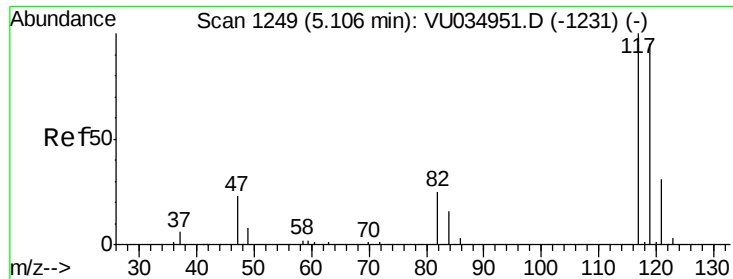
#30
Cyclohexane
Concen: 24.682 ug/L
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Tgt Ion: 56 Resp: 527465
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.0
84 83.3 66.2 99.2



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: 20.576 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

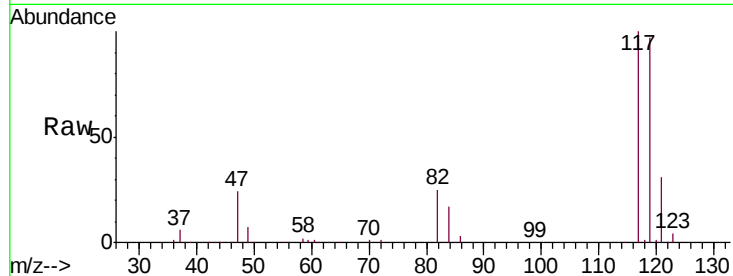
VSTD02003

Tgt Ion:117 Resp: 409901

Ion Ratio Lower Upper

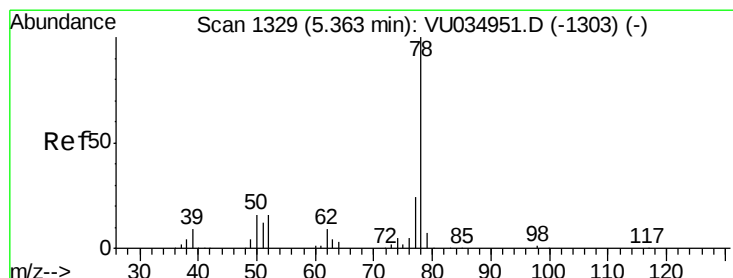
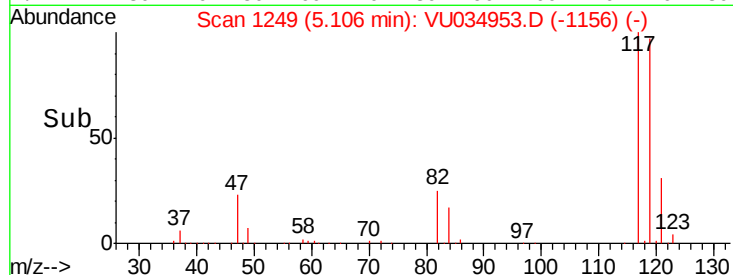
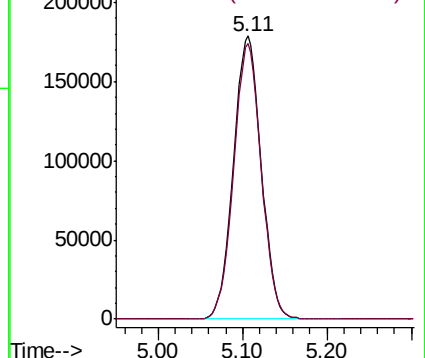
117 100

119 96.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.630 ug/L

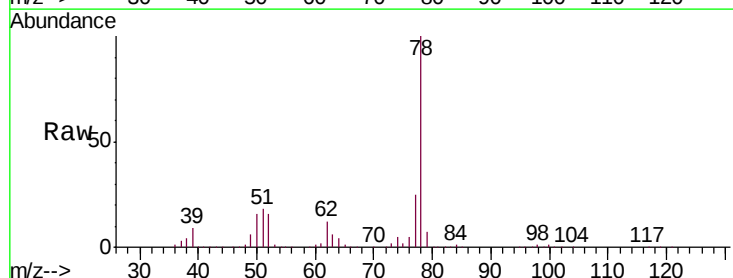
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

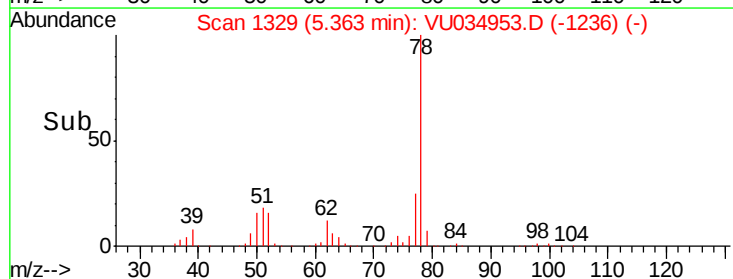
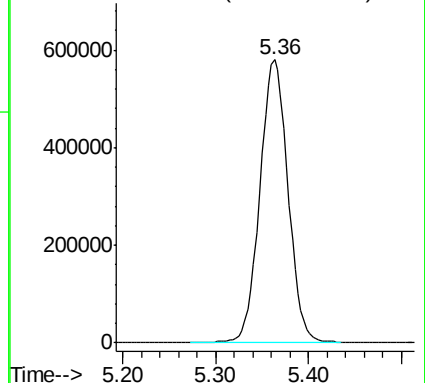
Lab File: VU034953.D

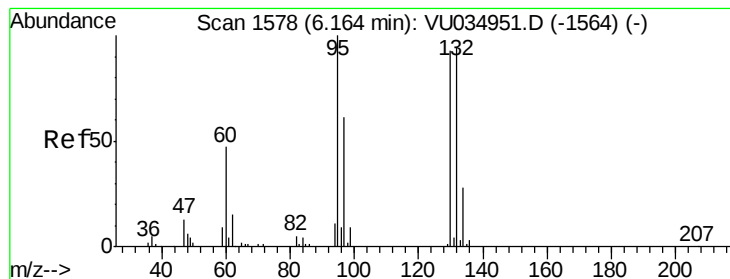
Acq: 07 Oct 2019 11:31

Tgt Ion: 78 Resp: 1225058



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 21.187 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

Tgt Ion: 95 Resp: 317358

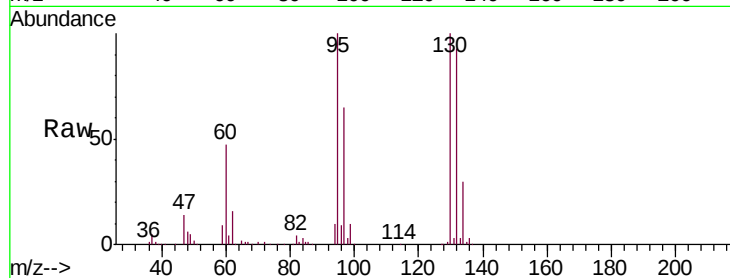
Ion Ratio Lower Upper

95 100

97 64.8 42.5 78.9

132 92.7 65.8 122.2

130 99.9 65.0 120.8

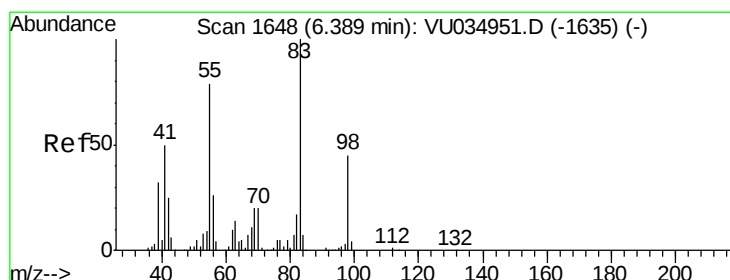
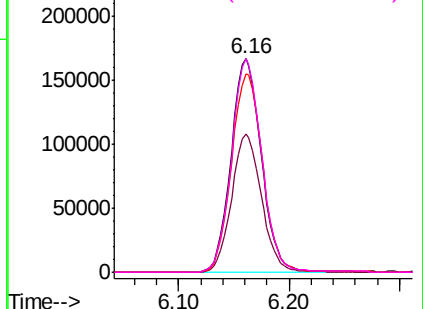
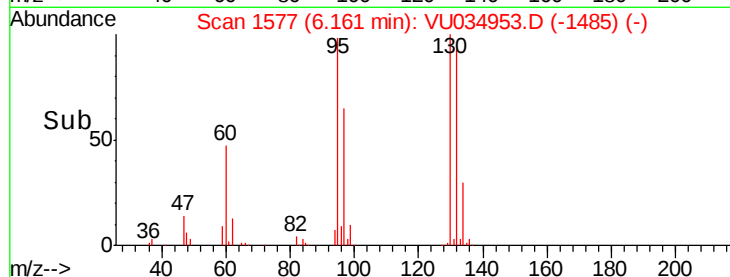


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 23.722 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

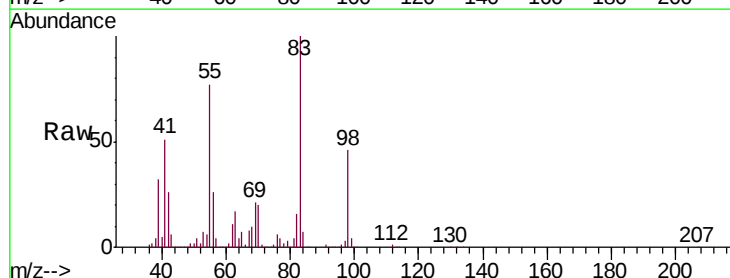
Tgt Ion: 83 Resp: 543147

Ion Ratio Lower Upper

83 100

55 77.8 62.4 93.6

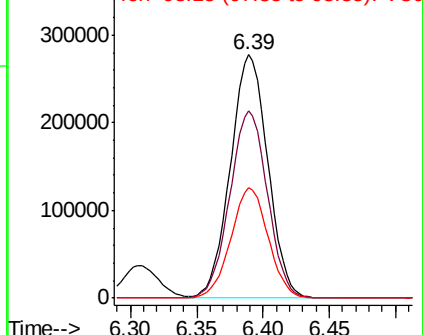
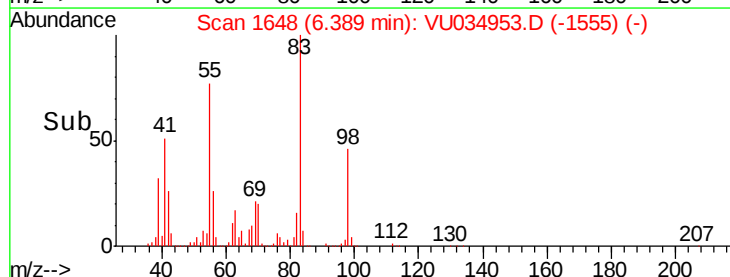
98 45.3 35.5 53.3

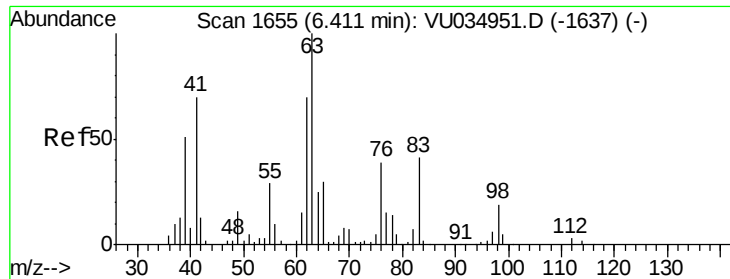


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

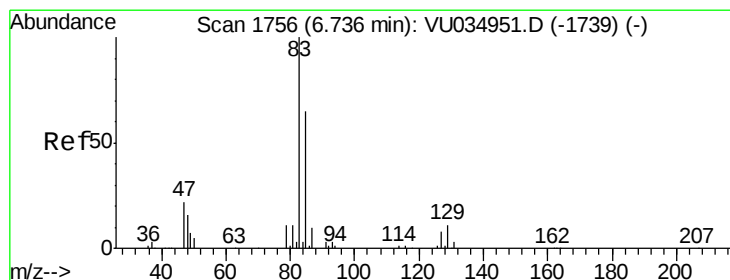
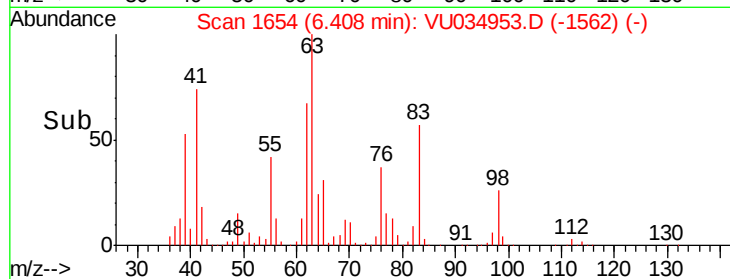
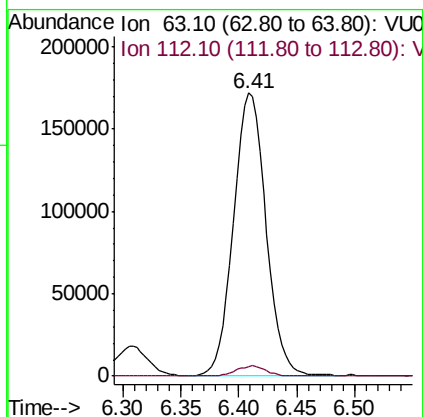
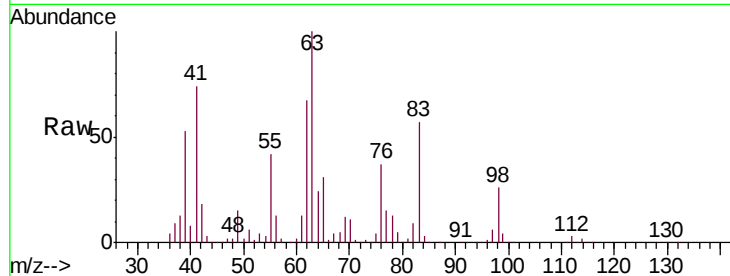




#37
 1,2-Dichloropropane
 Concen: 21.767 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

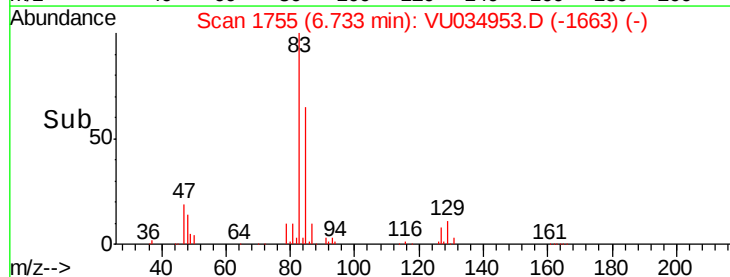
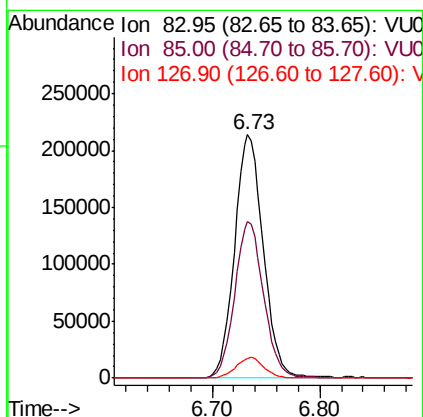
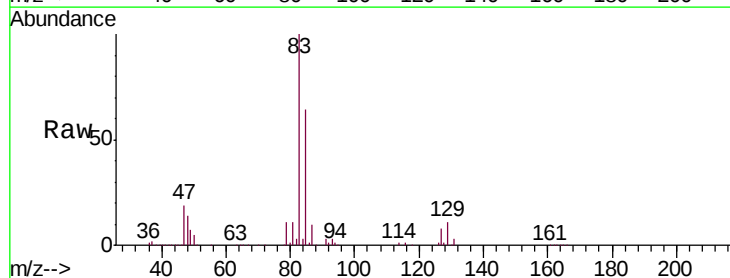
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

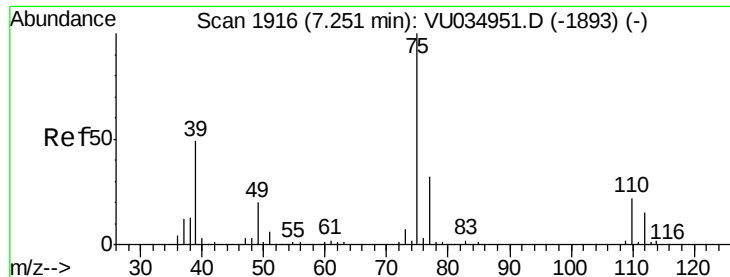
Tgt Ion: 63 Resp: 333356
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 20.572 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 83 Resp: 395863
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.3 84.1
 127 8.3 6.6 10.0

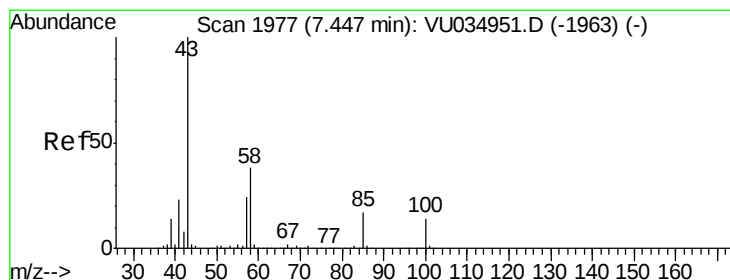
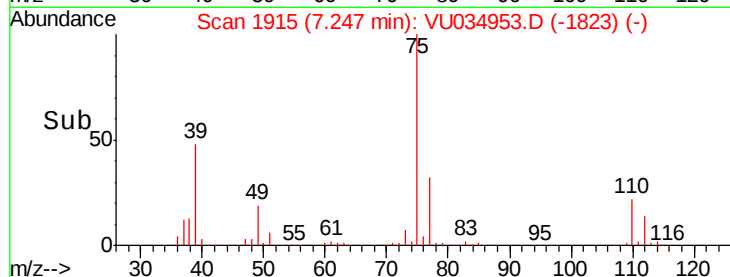
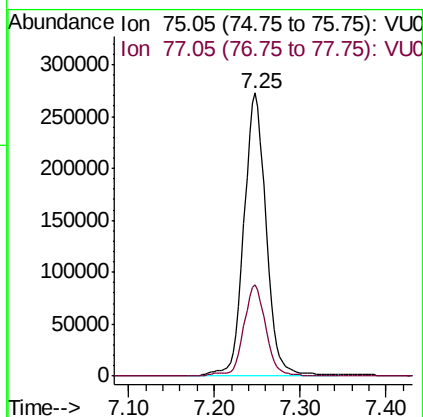
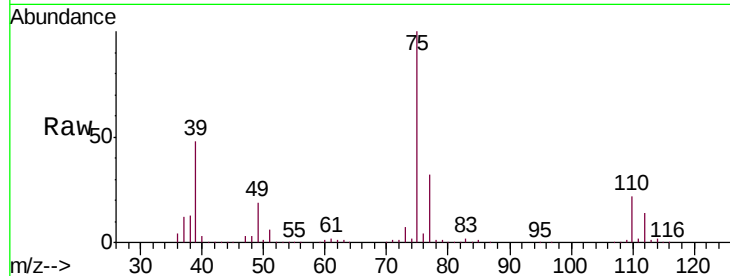




#39
 cis-1,3-Dichloropropene
 Concen: 22.684 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

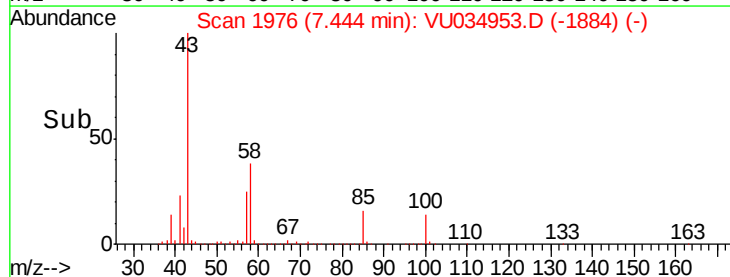
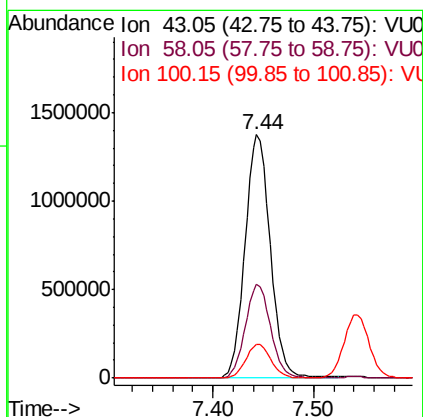
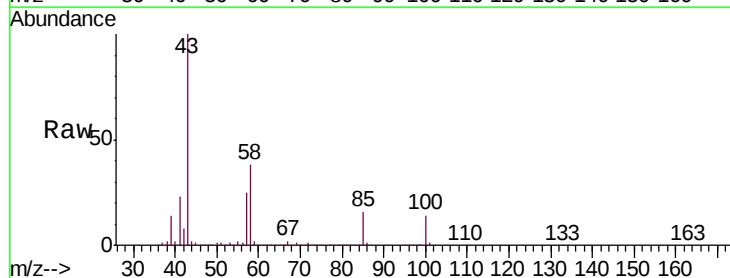
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

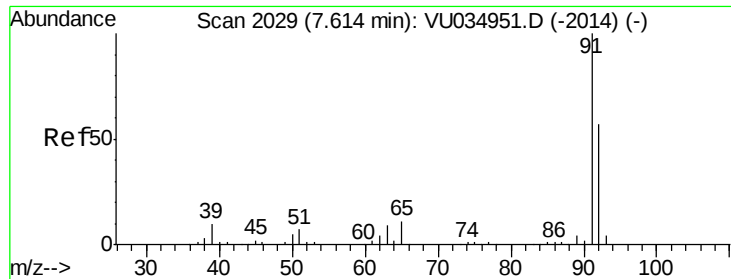
Tgt Ion: 75 Resp: 492099
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 266.588 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 43 Resp: 2367451
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.1 46.7
 100 13.8 11.0 16.4





#42

Toluene

Concen: 21.996 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

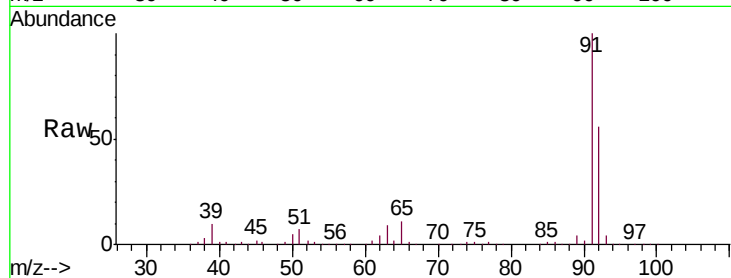
VSTD02003

Tgt Ion: 91 Resp: 1334202

Ion Ratio Lower Upper

91 100

92 56.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU034953.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034953.D (-2014) (-)

7.61

800000

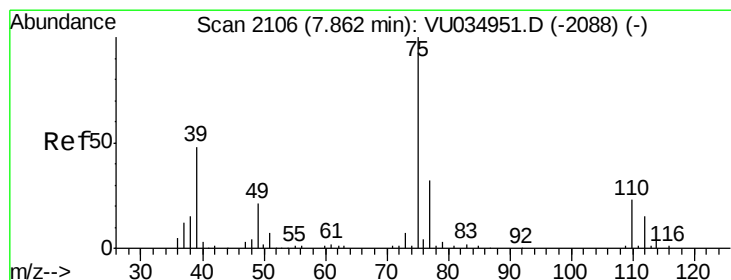
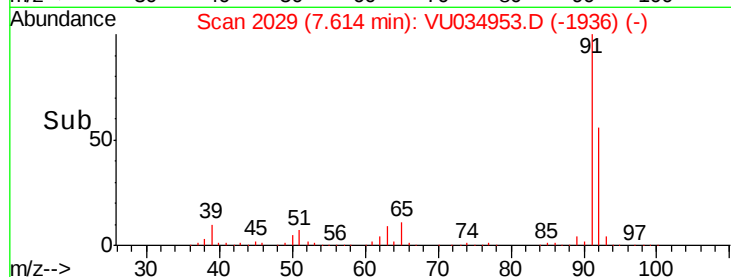
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.077 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034953.D

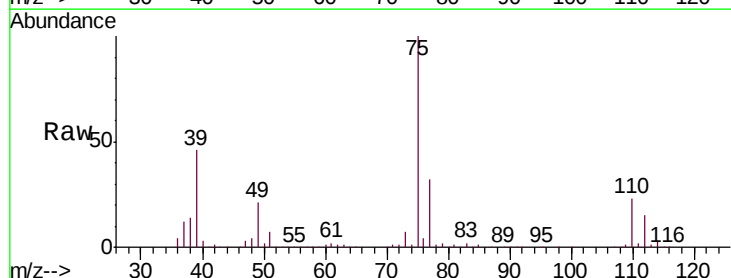
Acq: 07 Oct 2019 11:31

Tgt Ion: 75 Resp: 400171

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU034953.D (-2105) (-)

Ion 77.05 (76.75 to 77.75): VU034953.D (-2105) (-)

7.86

250000

200000

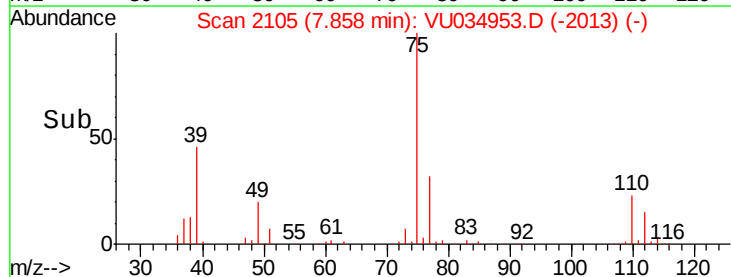
150000

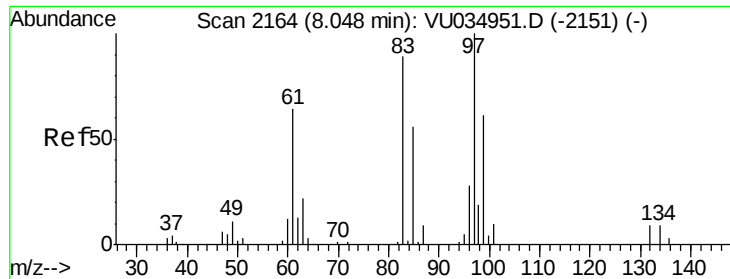
100000

50000

0

Time-->

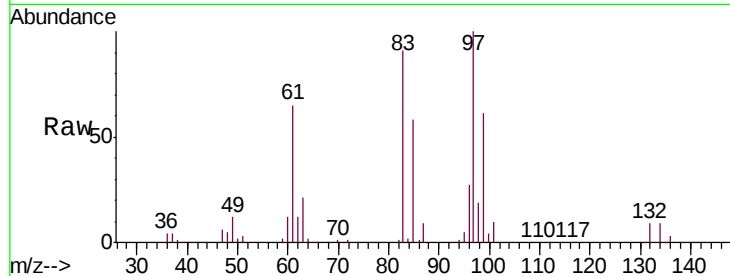




#45
 1,1,2-Trichloroethane
 Concen: 21.256 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:	97	Resp:	230146
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.8	79.6
83	90.6	62.2	115.6
85	57.5	39.1	72.5



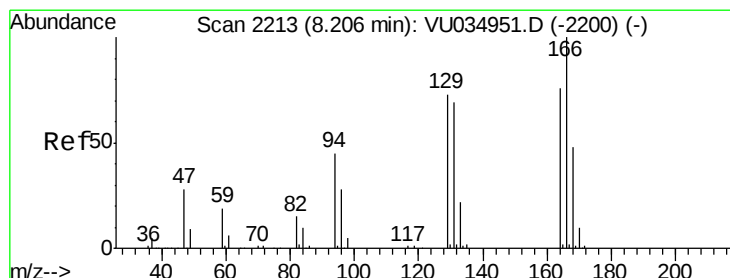
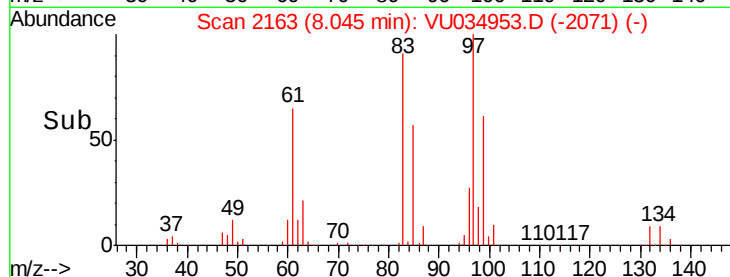
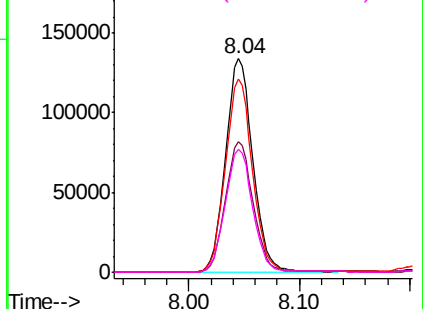
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

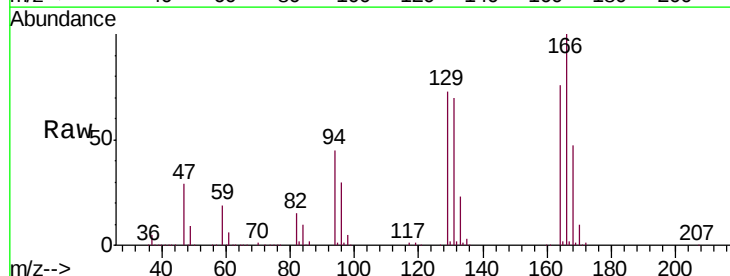
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 21.024 ug/L
 RT: 8.20 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion:	164	Resp:	252854
Ion	Ratio	Lower	Upper
164	100		
129	94.9	66.5	123.5
131	91.6	63.3	117.7
166	130.9	91.6	170.2



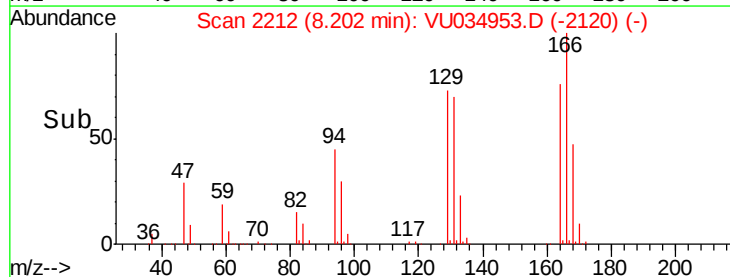
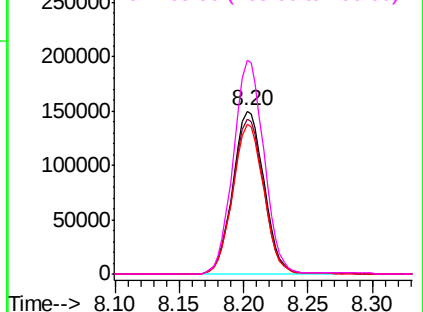
Abundance

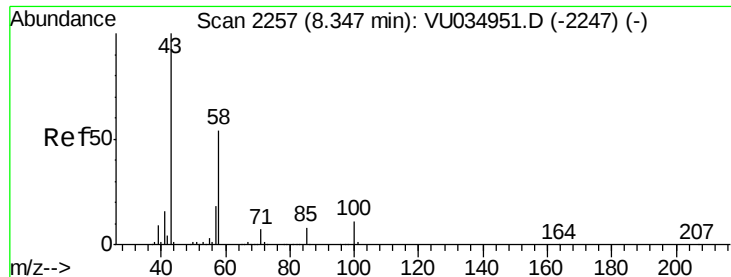
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



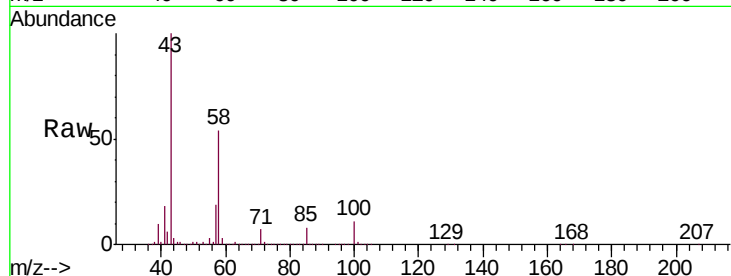


#48
2-Hexanone
Concen: 261.557 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

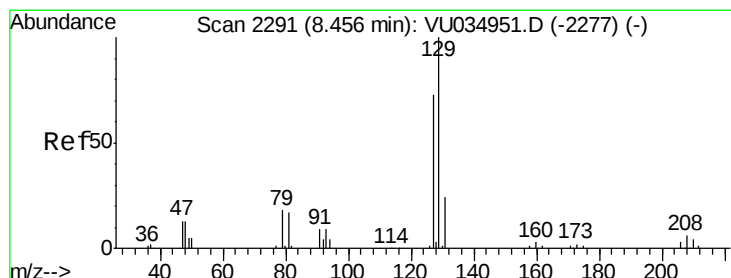
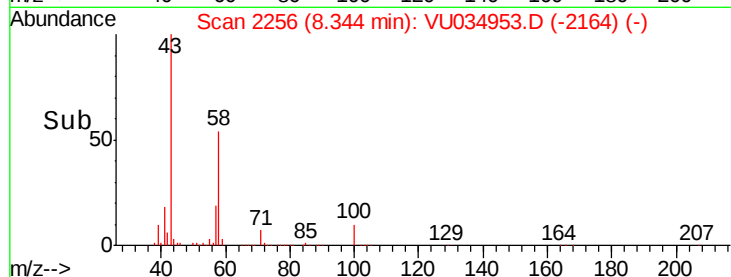
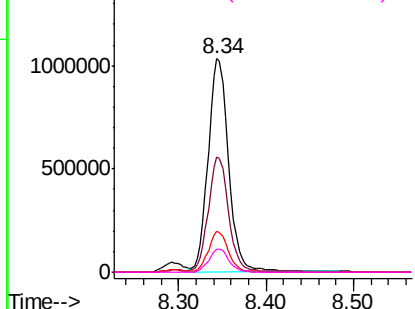
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 43 Resp: 1681102

Ion	Ratio	Lower	Upper
43	100		
58	53.8	43.3	64.9
57	18.7	14.5	21.7
100	10.8	8.6	12.8



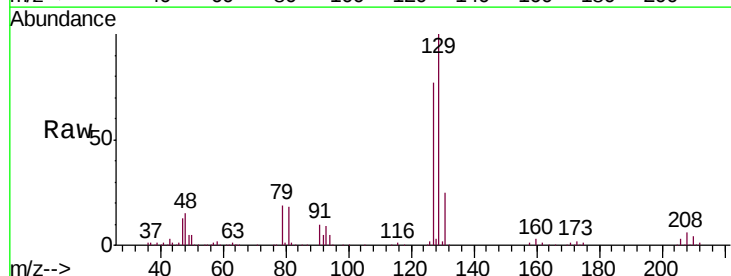
Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0



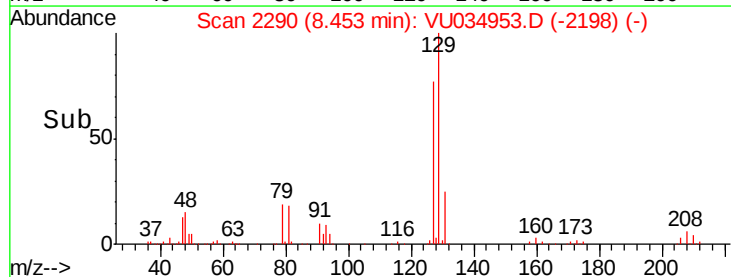
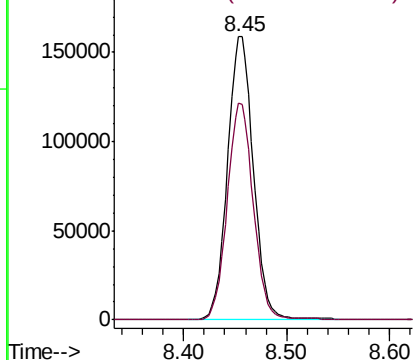
#49
Dibromochloromethane
Concen: 21.593 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

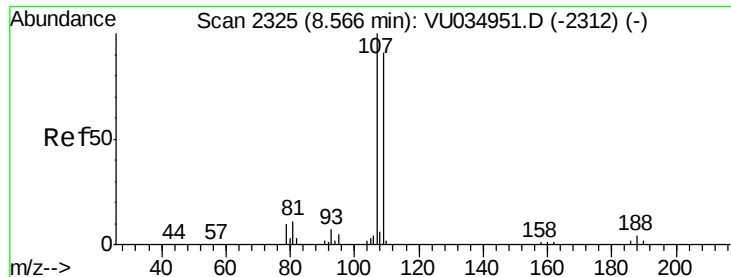
Tgt Ion: 129 Resp: 279152

Ion	Ratio	Lower	Upper
129	100		
127	76.8	51.2	95.0



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

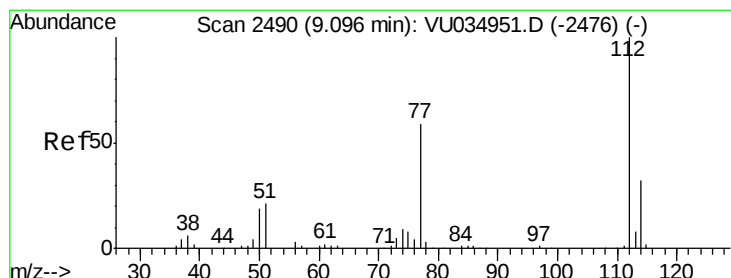
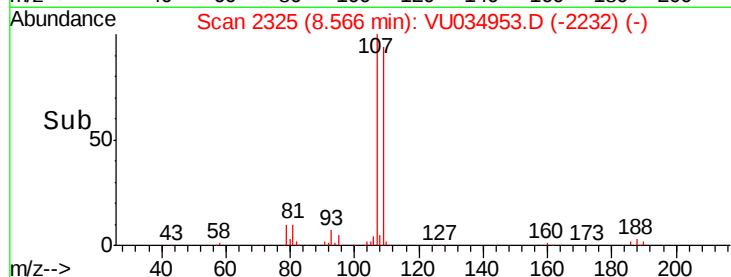
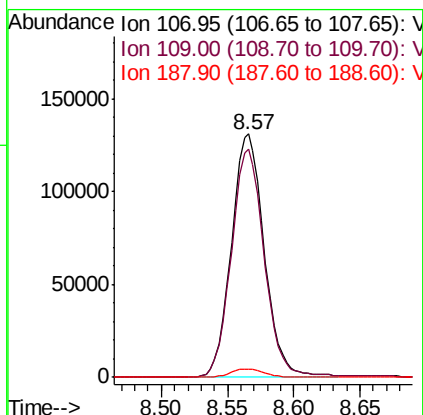
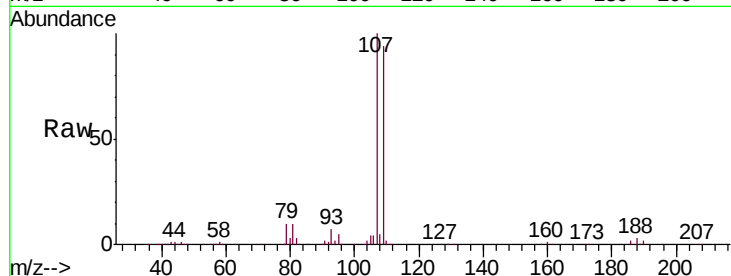




#50
 1,2-Dibromoethane
 Concen: 21.845 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

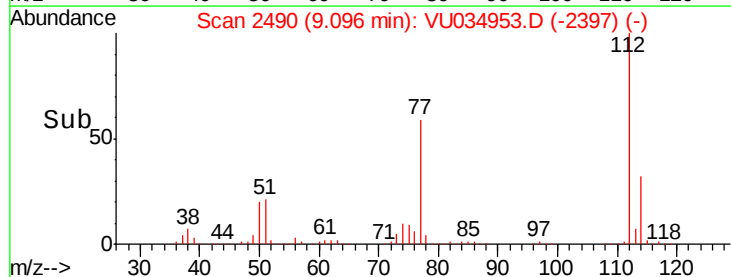
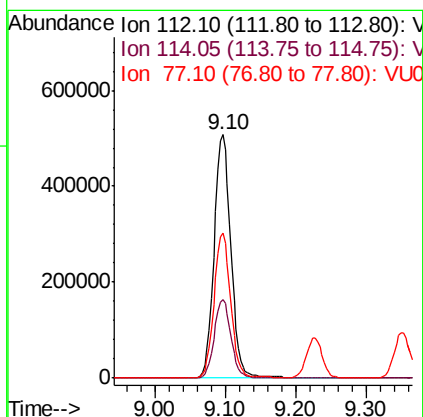
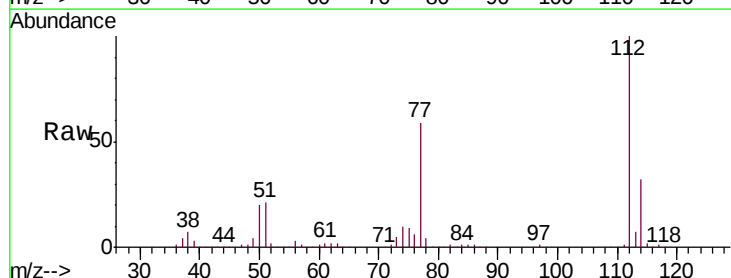
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

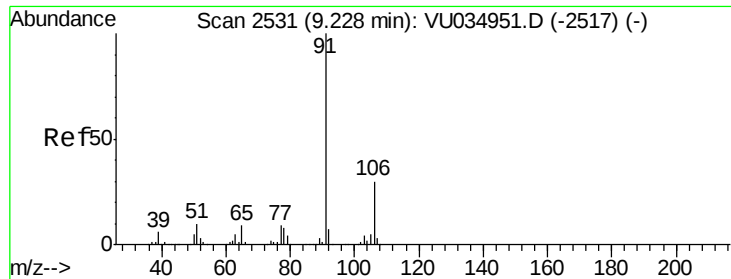
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	64.0	119.0
188	3.5	3.5	5.3#



#51
 Chlorobenzene
 Concen: 21.139 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. 0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.2	41.2
77	59.4	47.4	71.2





#52

Ethylbenzene

Concen: 23.011 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

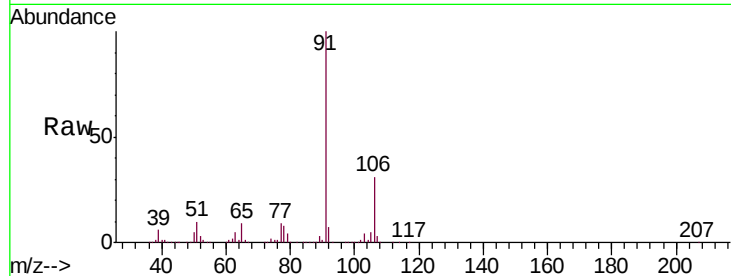
VSTD02003

Tgt Ion: 91 Resp: 1499642

Ion Ratio Lower Upper

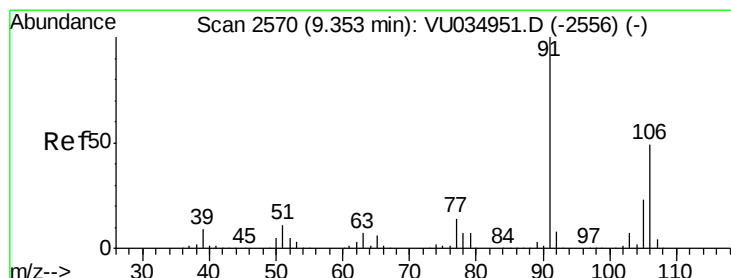
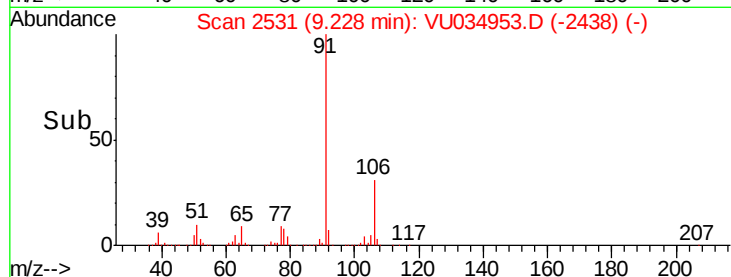
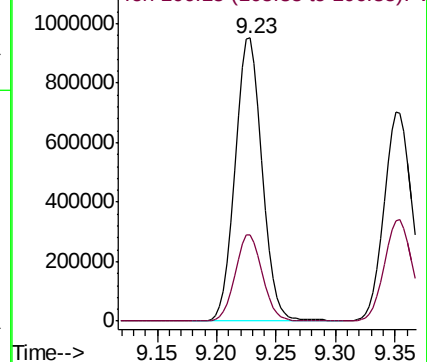
91 100

106 30.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 22.974 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034953.D

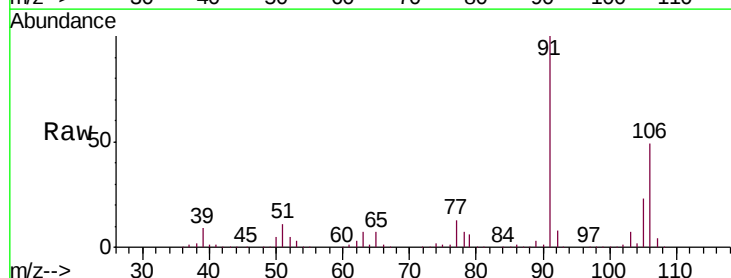
Acq: 07 Oct 2019 11:31

Tgt Ion: 106 Resp: 561084

Ion Ratio Lower Upper

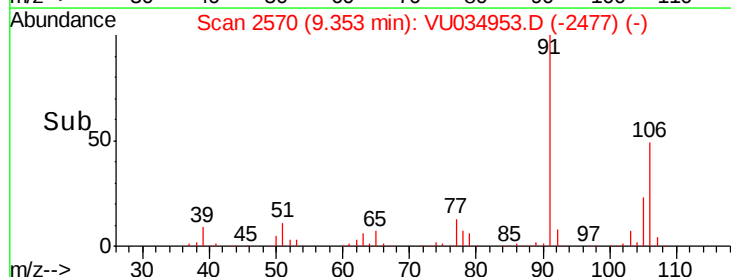
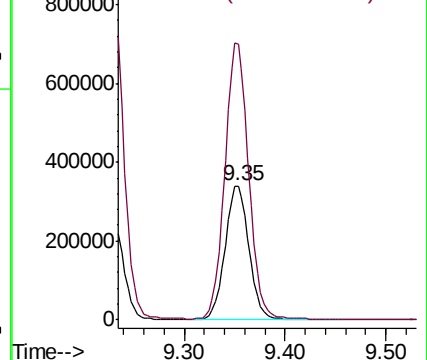
106 100

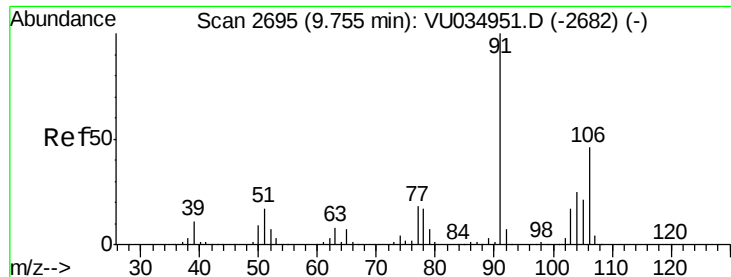
91 205.5 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

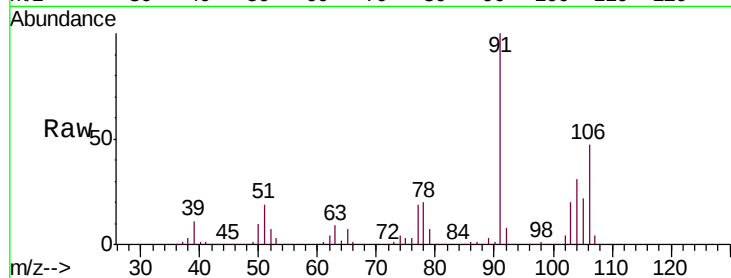




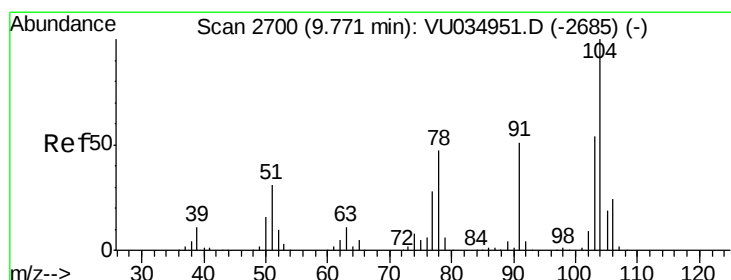
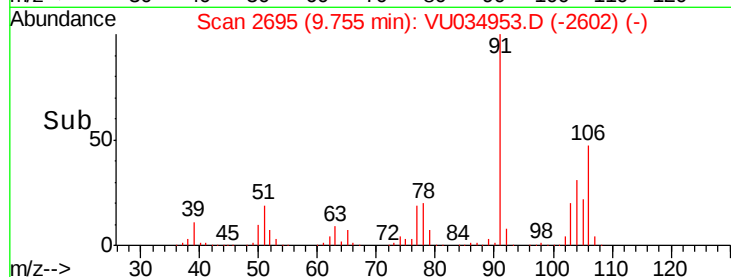
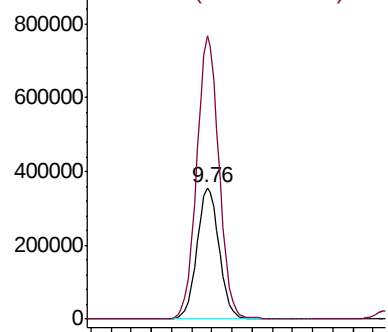
#54
o-Xylene
Concen: 23.500 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion:106 Resp: 549248
Ion Ratio Lower Upper
106 100
91 214.9 151.6 281.6

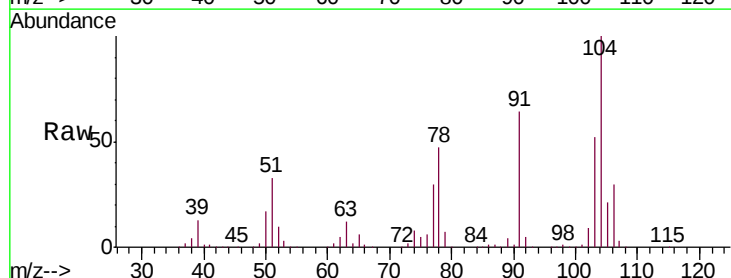


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

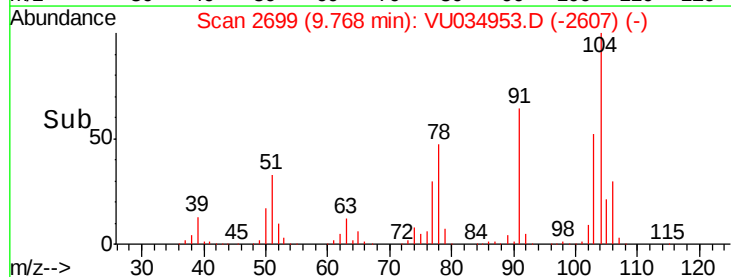
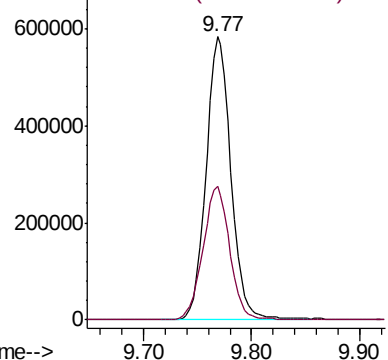


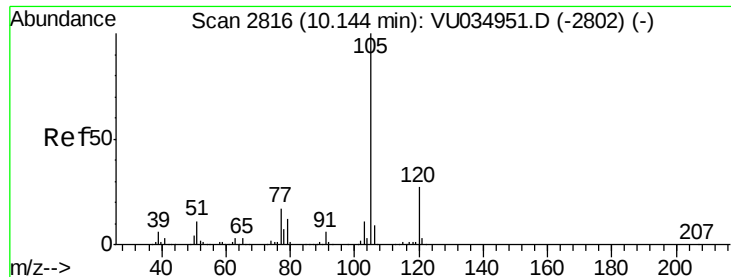
#55
Styrene
Concen: 23.312 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034953.D
Acq: 07 Oct 2019 11:31

Tgt Ion:104 Resp: 938489
Ion Ratio Lower Upper
104 100
78 47.1 32.7 60.7



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





#56

Isopropylbenzene

Concen: 23.627 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

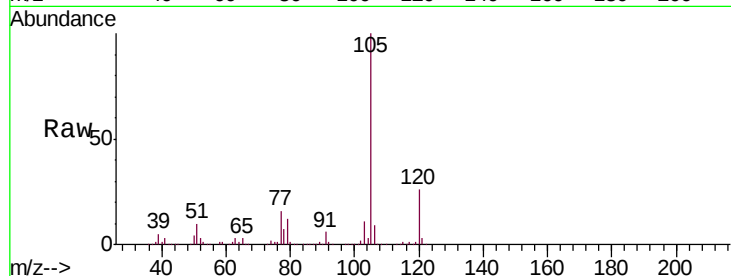
Tgt Ion:105 Resp: 1472969

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

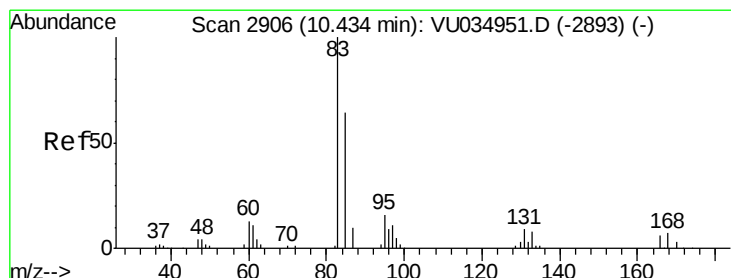
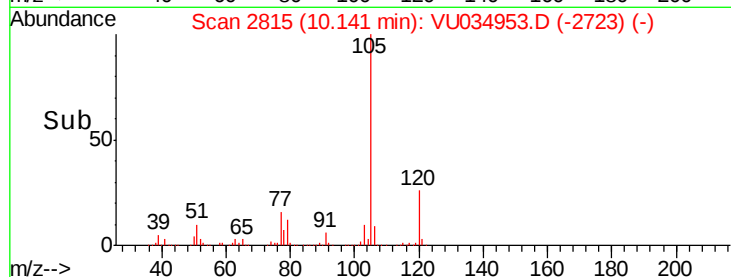
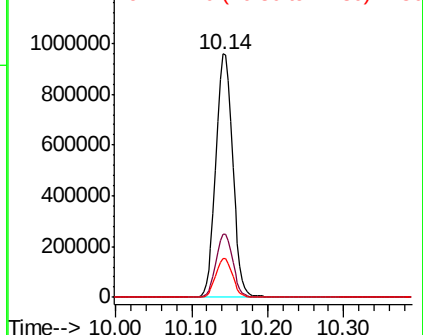
77 16.1 13.0 19.6



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: 22.929 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

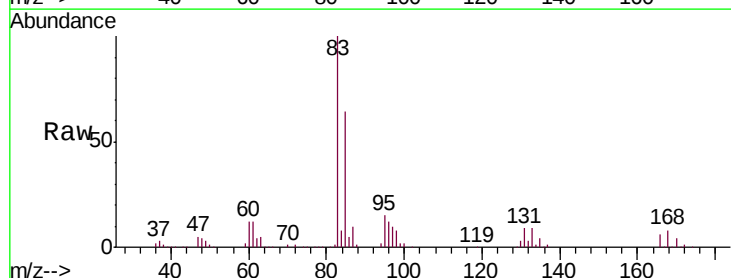
Tgt Ion: 83 Resp: 319252

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

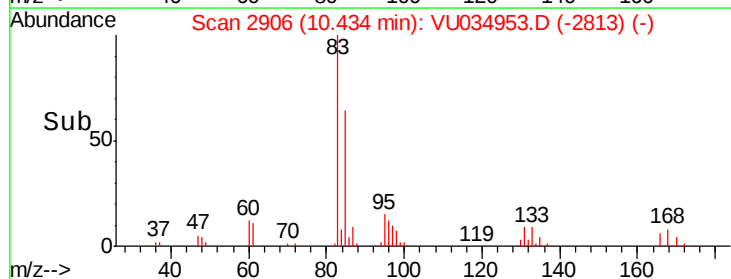
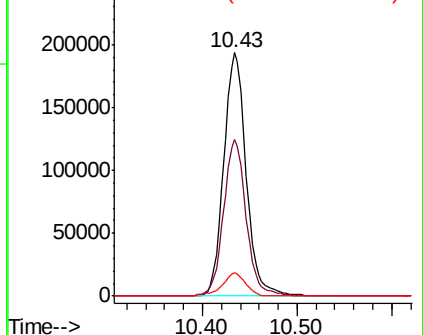
131 9.5 7.7 11.5

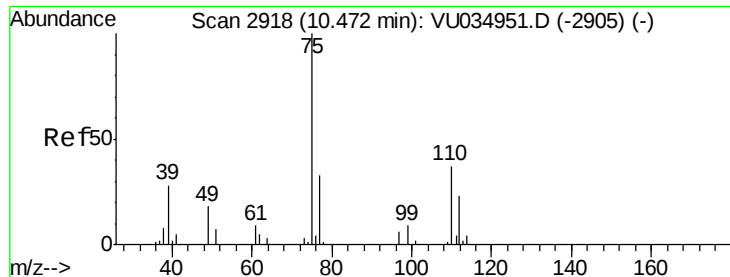


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

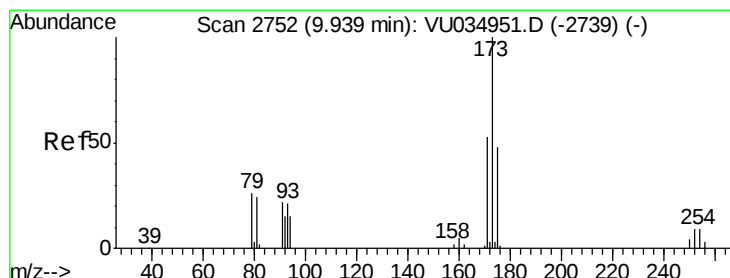
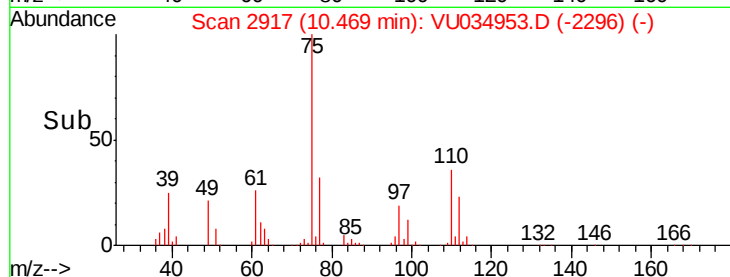
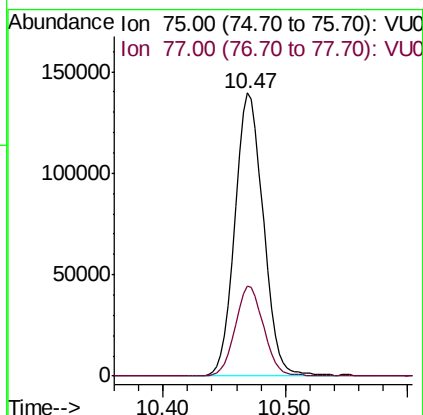
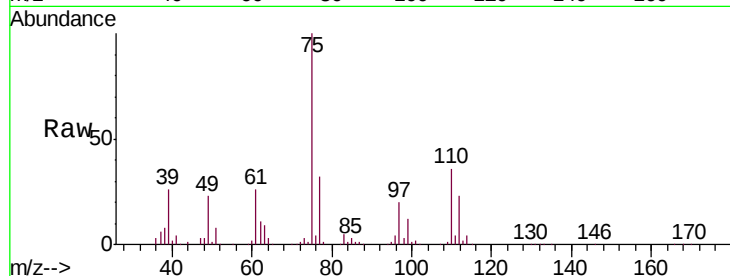




#59
 1,2,3-Trichloropropane
 Concen: 22.755 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

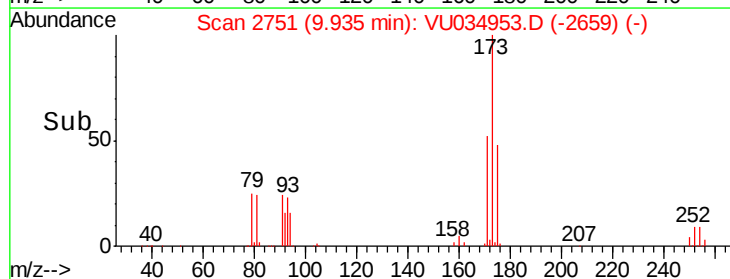
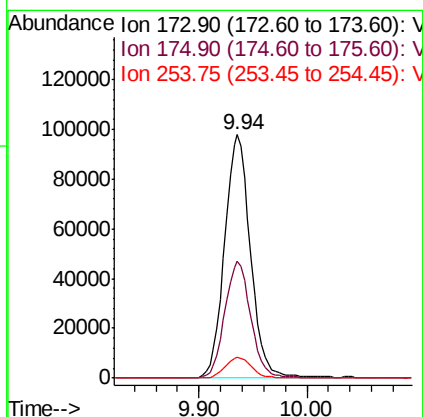
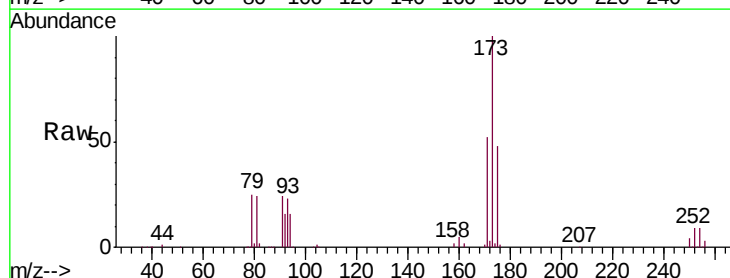
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

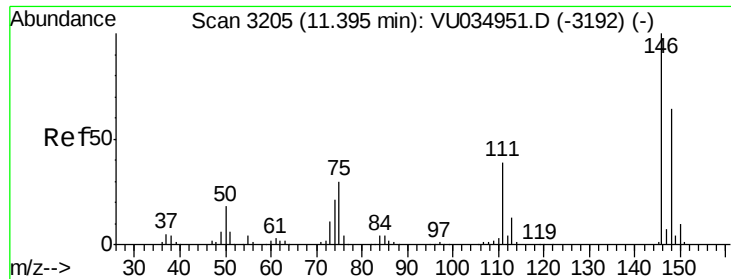
Tgt Ion: 75 Resp: 225816
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6



#61
 Bromoform
 Concen: 22.711 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 173 Resp: 163573
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.2 58.8
 254 8.8 6.9 10.3

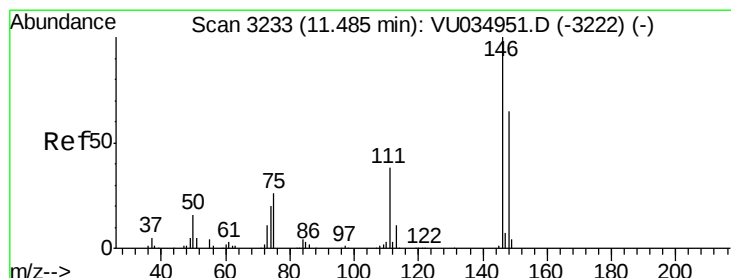
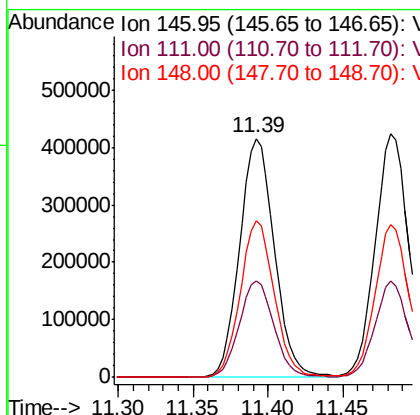
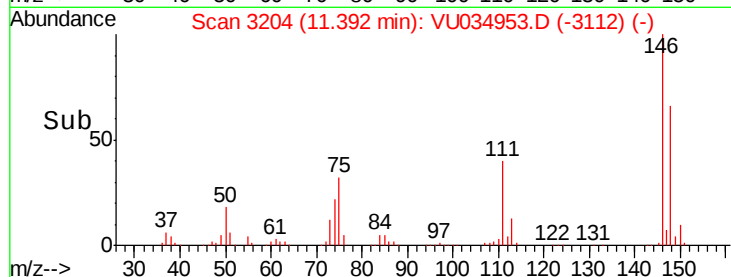
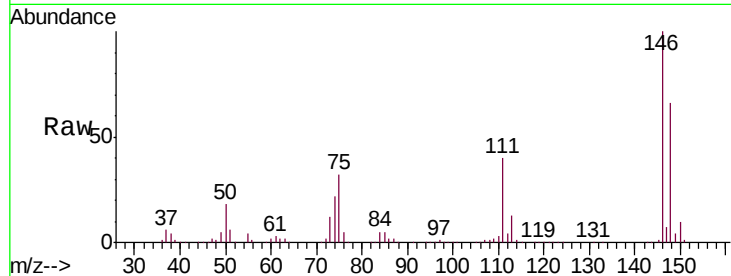




#62
 1,3-Dichlorobenzene
 Concen: 21.044 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

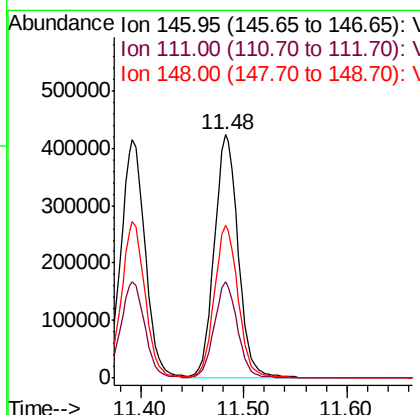
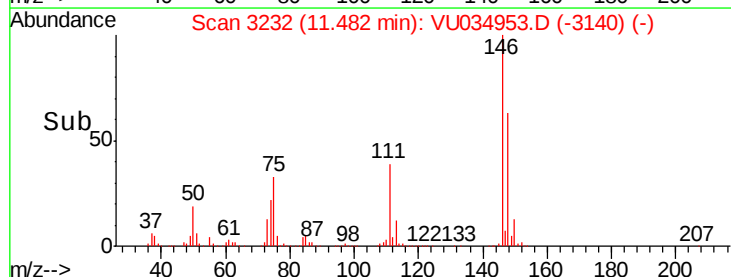
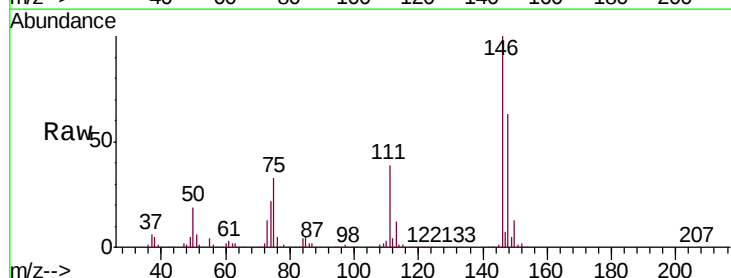
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

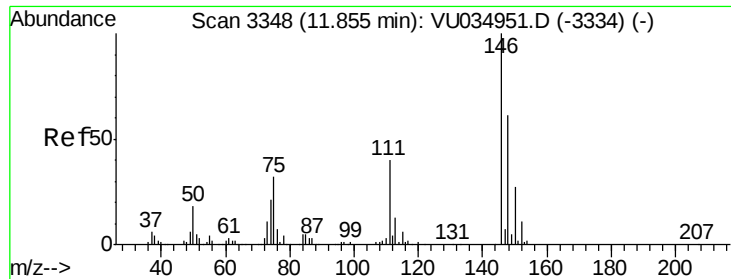
Tgt Ion:146 Resp: 673921
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.4 50.8
 148 65.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 20.252 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion:146 Resp: 677020
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.3 50.7
 148 62.9 45.8 85.2

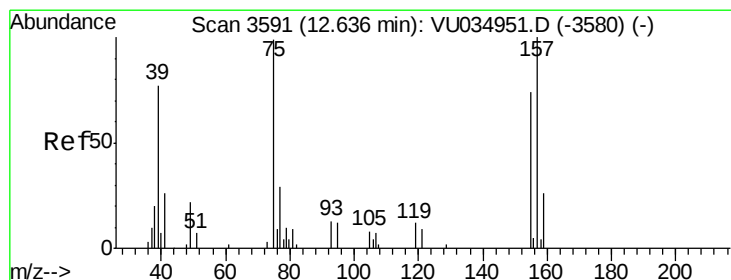
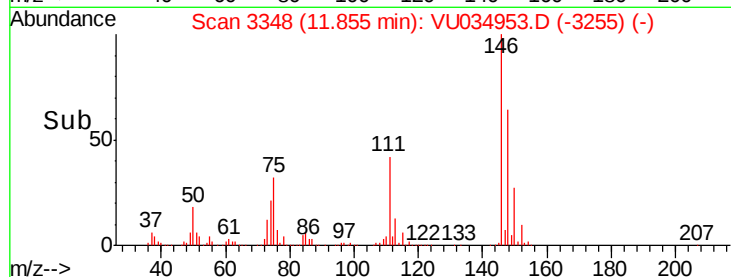
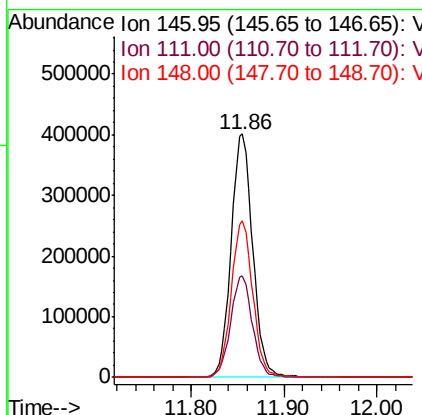
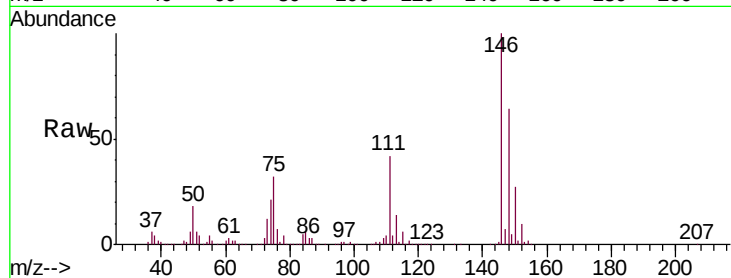




#65
 1,2-Dichlorobenzene
 Concen: 20.460 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

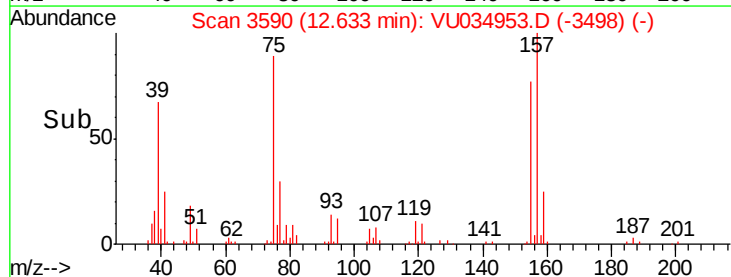
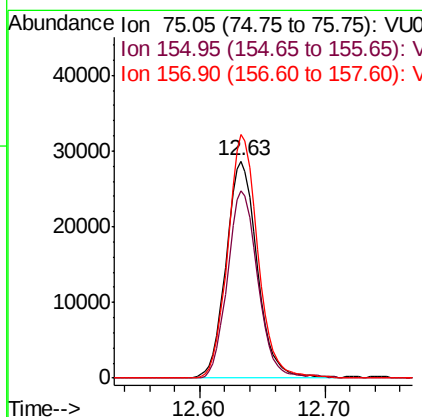
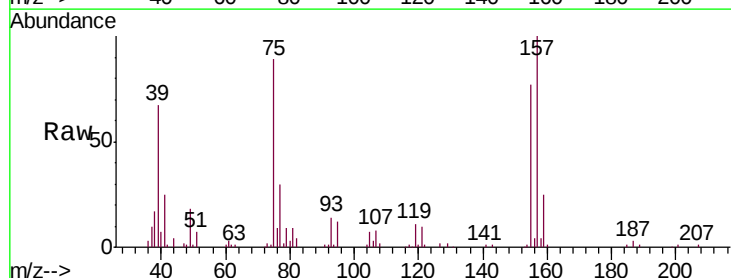
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

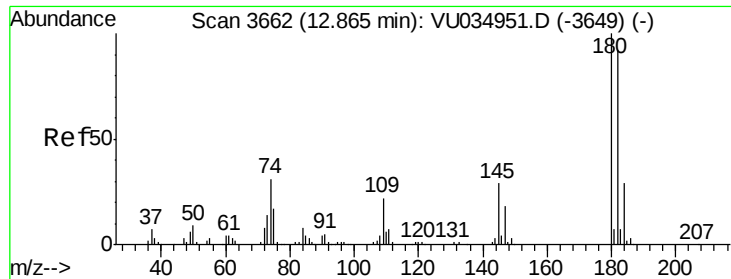
Tgt Ion: 146 Resp: 647763
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.1 48.1
 148 64.1 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.007 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion: 75 Resp: 49327
 Ion Ratio Lower Upper
 75 100
 155 86.6 59.7 89.5
 157 112.3 80.8 121.2

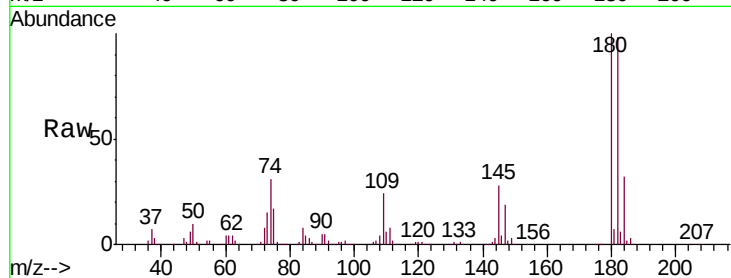




#67
 1,3,5-Trichlorobenzene
 Concen: 19.774 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.7	113.5
184	31.2	24.1	36.1
145	28.3	22.5	33.7



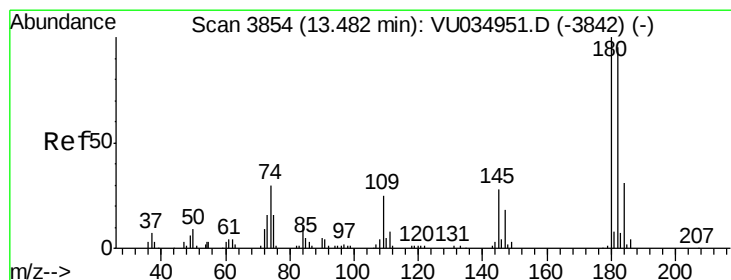
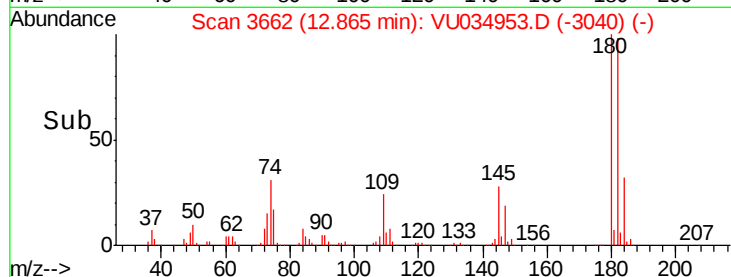
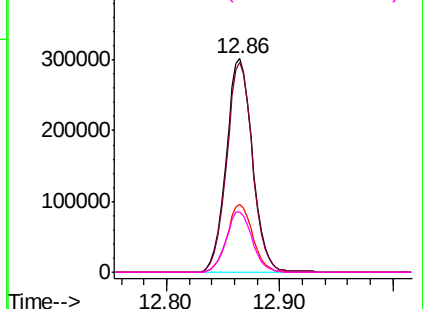
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

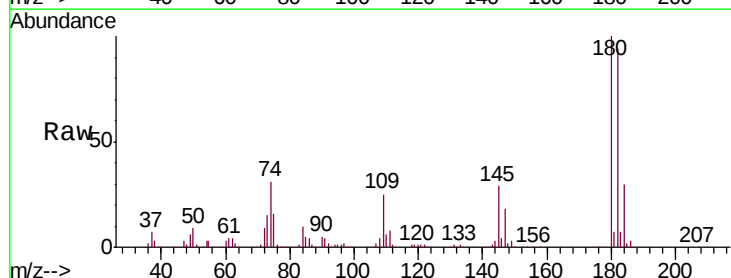
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.238 ug/L
 RT: 13.48 min Scan# 3853
 Delta R.T. -0.00 min
 Lab File: VU034953.D
 Acq: 07 Oct 2019 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.4
145	28.4	22.2	33.4

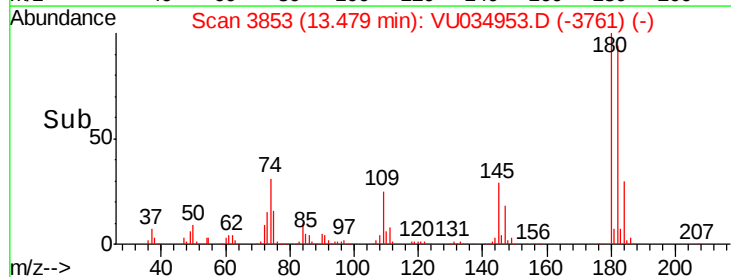
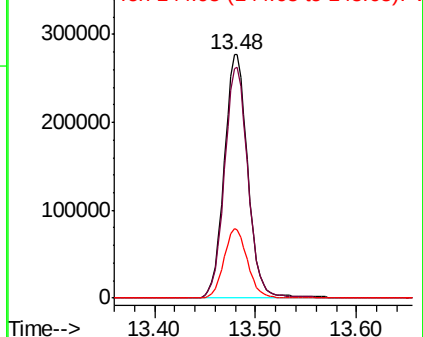


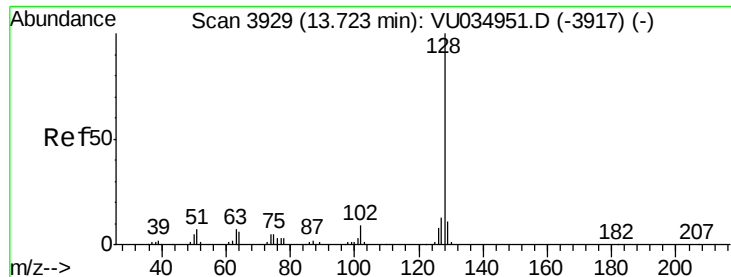
Abundance

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: 25.510 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

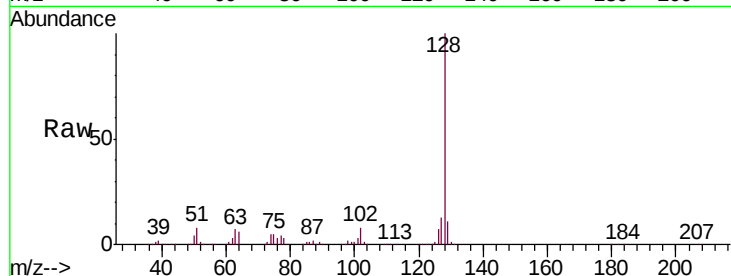
Tgt Ion:128 Resp: 829592

Ion Ratio Lower Upper

128 100

129 10.7 8.1 12.1

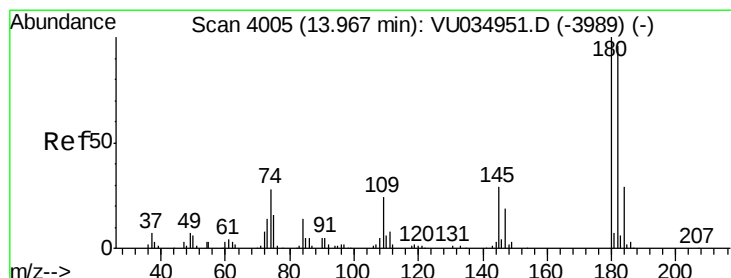
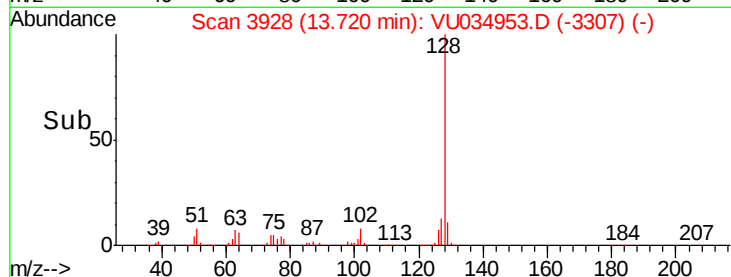
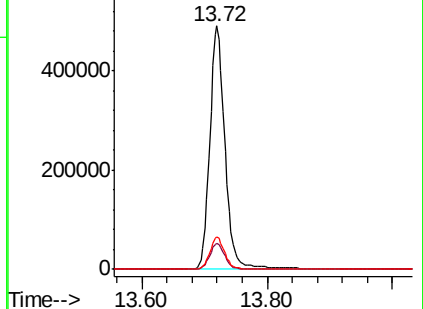
127 13.0 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.972 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034953.D

Acq: 07 Oct 2019 11:31

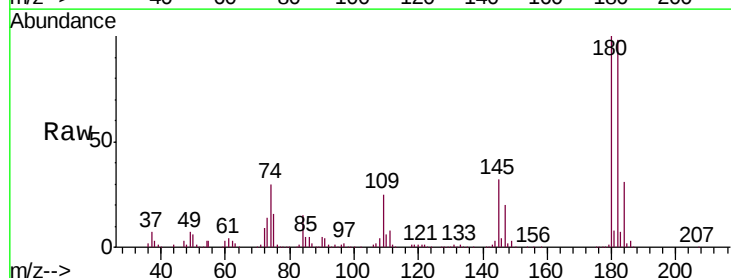
Tgt Ion:180 Resp: 422308

Ion Ratio Lower Upper

180 100

182 95.0 78.1 117.1

145 30.9 24.6 36.8



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

