

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040275.D
 Acq On : 24 Sep 2020 16:43
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

Quant Time: Sep 25 02:11:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	438869	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	420684	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	219974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	147315	6.01	ug/L	0.00
7) Chloroethane-d5	1.92	69	119580	5.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	75053	7.07	ug/L	0.00
20) 2-Butanone-d5	4.65	46	560580	89.91	ug/L	0.00
24) Chloroform-d	5.08	84	296872	6.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	177717	6.98	ug/L	0.00
32) Benzene-d6	5.74	84	565728	5.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	185453	5.93	ug/L	0.00
41) Toluene-d8	7.90	98	515276	5.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	79431	6.37	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	429022	71.37	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	159808	6.20	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	190094	5.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	222782	6.398 ug/L	99
3) Chloromethane	1.53	50	217572	6.025 ug/L	99
5) Vinyl chloride	1.61	62	216741	5.707 ug/L	100
6) Bromomethane	1.87	94	116575	5.367 ug/L	98
8) Chloroethane	1.94	64	124402	5.263 ug/L	98
9) Trichlorofluoromethane	2.15	101	282711	6.176 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	179790	6.356 ug/L	99
12) 1,1-Dichloroethene	2.59	96	165559	6.021 ug/L	97
13) Acetone	2.66	43	424706	85.448 ug/L	97
14) Carbon disulfide	2.81	76	571674	6.421 ug/L	98
15) Methyl Acetate	2.97	43	102558	8.332 ug/L	97
16) Methylene chloride	3.06	84	187925	5.039 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	461414	6.540 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	173948	5.898 ug/L	98
19) 1,1-Dichloroethane	3.89	63	348599	6.571 ug/L	98
21) 2-Butanone	4.73	43	720040	90.286 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	188526	5.798 ug/L	99
23) Bromochloromethane	4.99	128	86732	6.224 ug/L	96
25) Chloroform	5.11	83	354982	6.674 ug/L	98
27) 1,2-Dichloroethane	5.81	62	246764	7.136 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	293323	6.492 ug/L	100
30) Cyclohexane	5.41	56	338635	6.607 ug/L	100
31) Carbon tetrachloride	5.54	117	259521	6.758 ug/L	97
33) Benzene	5.79	78	744280	6.005 ug/L	100
34) Trichloroethene	6.55	95	190377	5.840 ug/L	99
35) Methylcyclohexane	6.77	83	316781	5.785 ug/L	98
37) 1,2-Dichloropropane	6.80	63	200309	6.447 ug/L	99
38) Bromodichloromethane	7.11	83	250311	6.506 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	292053	6.201 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	1659022	84.298 ug/L	100

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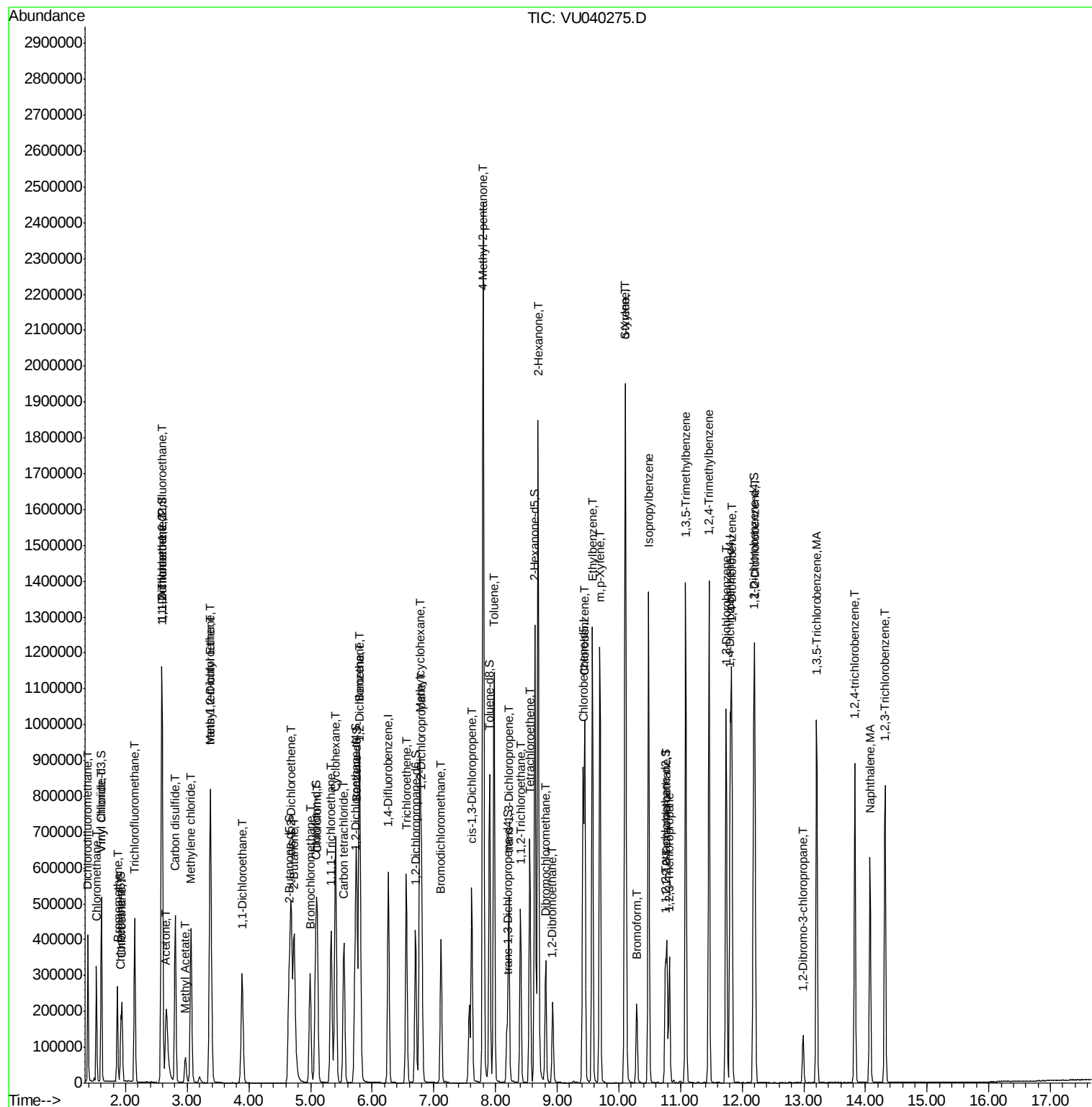
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	775241	5.758	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	265840	6.968	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	140385	6.169	ug/L	96
47) Tetrachloroethene	8.56	164	136618	5.296	ug/L	97
48) 2-Hexanone	8.69	43	1214183	87.048	ug/L	98
49) Dibromochloromethane	8.81	129	165258	6.302	ug/L	98
50) 1,2-Dibromoethane	8.92	107	135758	6.083	ug/L	92
51) Chlorobenzene	9.45	112	476326	5.561	ug/L	98
52) Ethylbenzene	9.57	91	856357	5.844	ug/L	100
53) m,p-Xylene	9.69	106	317887	5.664	ug/L	98
54) o-Xylene	10.10	106	307729	5.619	ug/L	96
55) Styrene	10.11	104	530314	5.821	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	182310	6.247	ug/L	99
59) Bromoform	10.29	173	92878	6.033	ug/L	97
60) Isopropylbenzene	10.48	105	829592	5.503	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	137577	6.264	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	697942	5.449	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	720720	5.638	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	381519	5.403	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	387787	5.450	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	364904	5.373	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	32248	6.834	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	274615	5.178	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	242880	6.153	ug/L	99
71) Naphthalene	14.08	128	463334	7.867	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	219613	6.171	ug/L	98

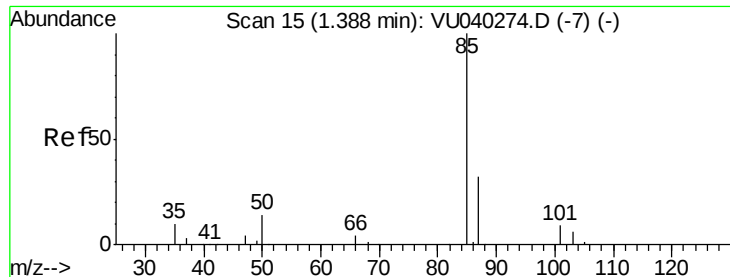
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.398 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

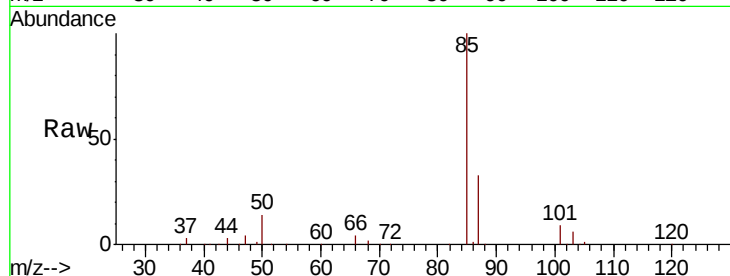
VSTD010104

Tot Ion: 85 Resp: 222782

Ion Ratio Lower Upper

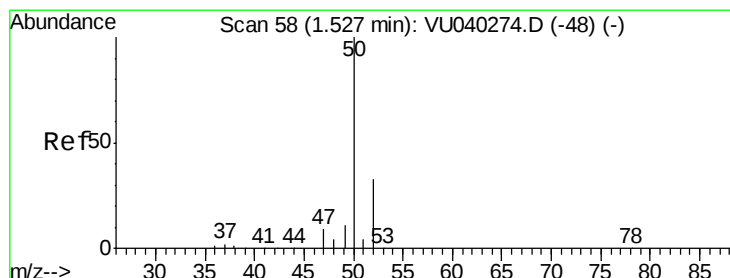
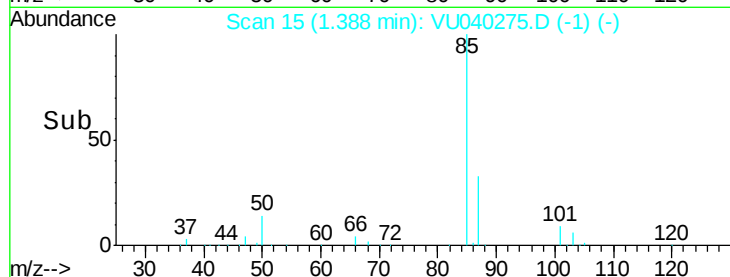
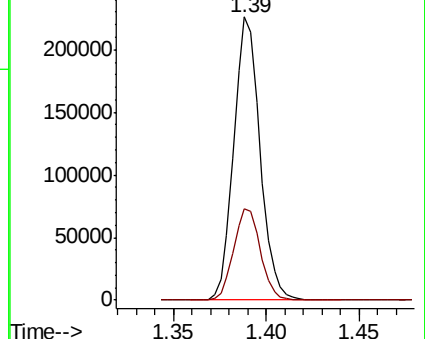
85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 6.025 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040275.D

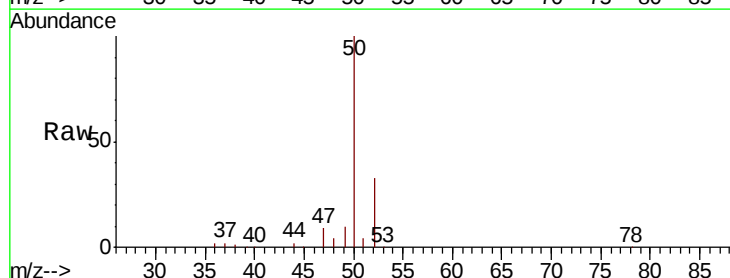
Acq: 24 Sep 2020 16:43

Tgt Ion: 50 Resp: 217572

Ion Ratio Lower Upper

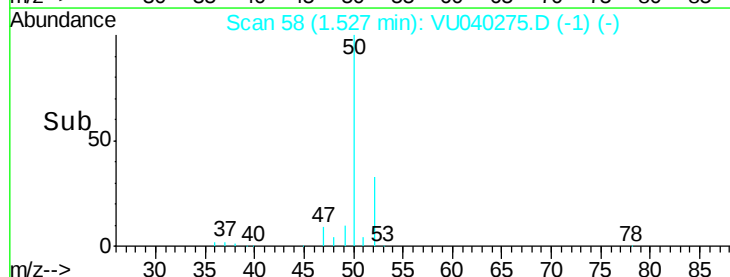
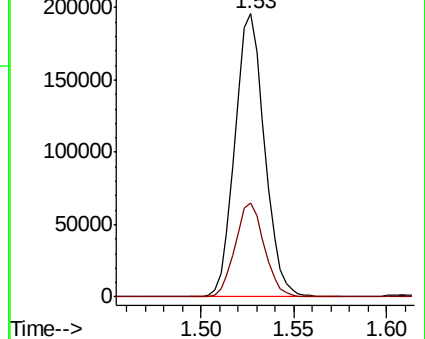
50 100

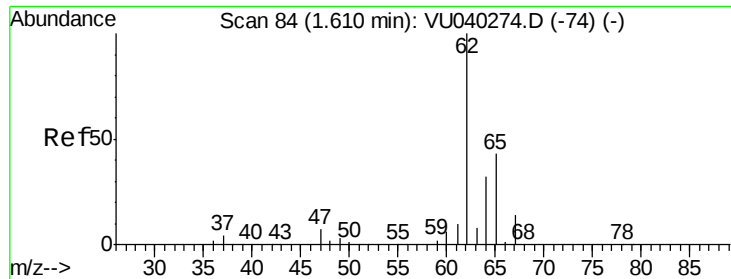
52 33.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.707 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

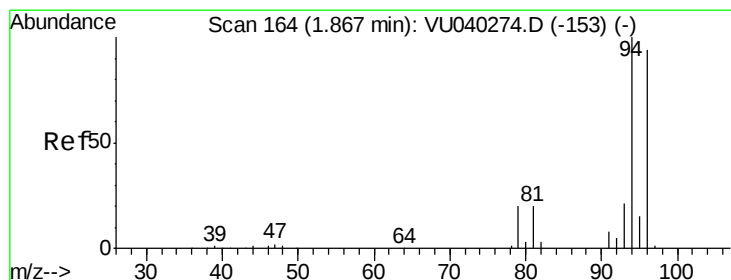
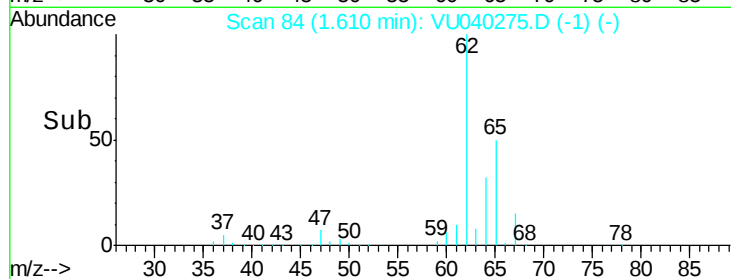
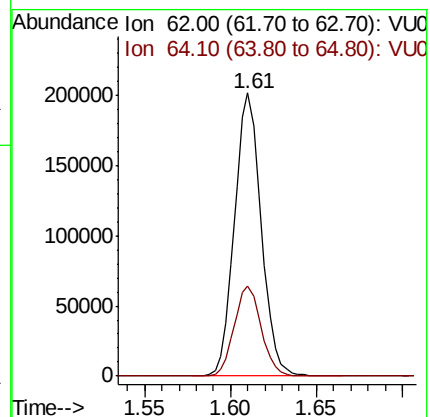
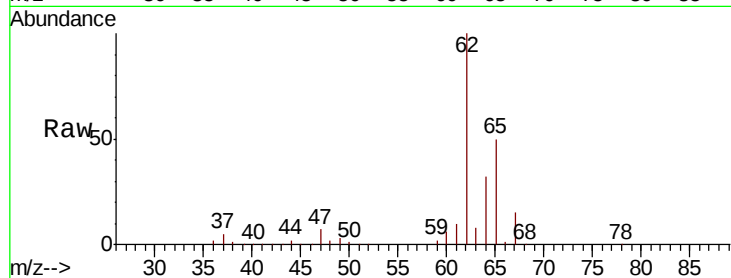
VSTD010104

Tot Ion: 62 Resp: 216741

Ion Ratio Lower Upper

62 100

64 32.0 22.3 41.3



#6

Bromomethane

Concen: 5.367 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040275.D

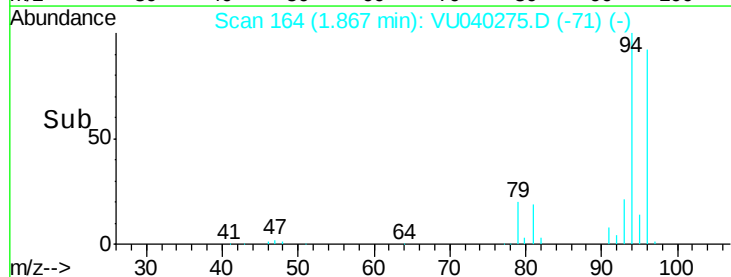
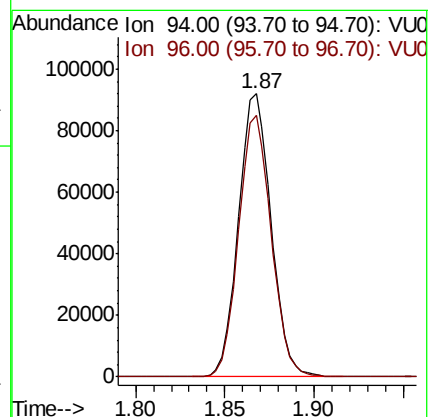
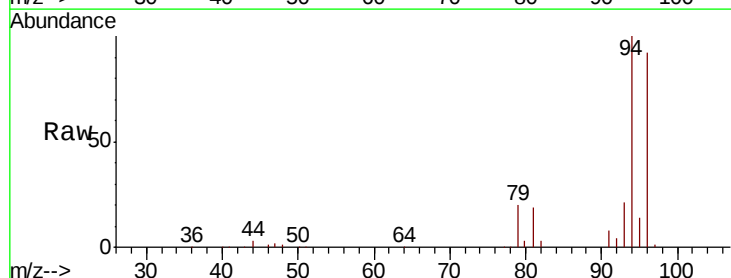
Acq: 24 Sep 2020 16:43

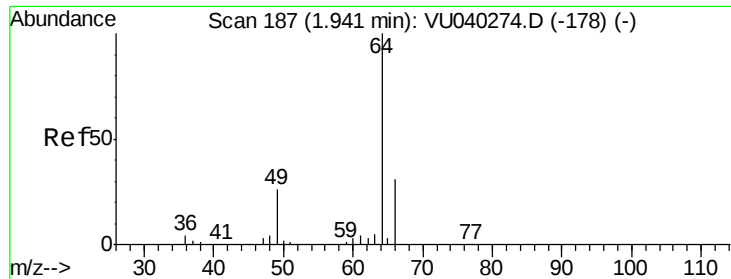
Tgt Ion: 94 Resp: 116575

Ion Ratio Lower Upper

94 100

96 92.5 66.1 122.7





#8

Chloroethane

Concen: 5.263 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

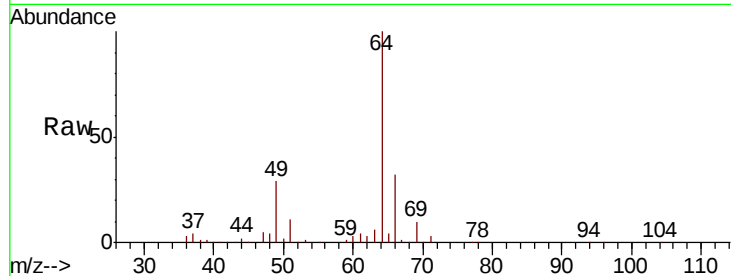
VSTD010104

Tot Ion: 64 Resp: 124402

Ion Ratio Lower Upper

64 100

66 31.6 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040274.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040274.D (-178) (-)

1.94

100000

80000

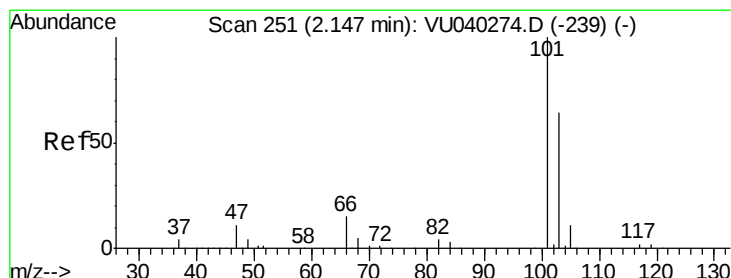
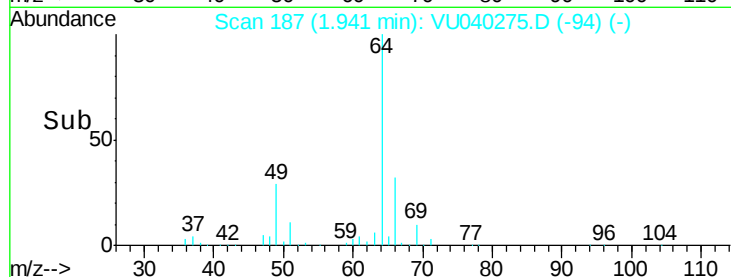
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 6.176 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040275.D

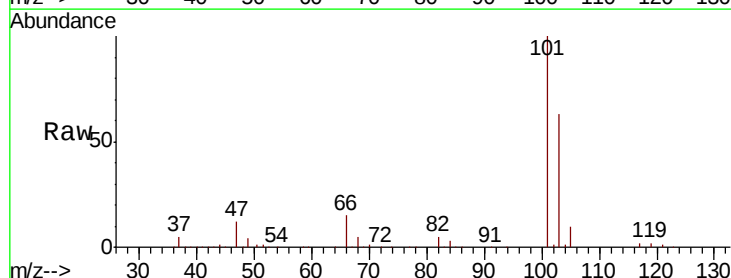
Acq: 24 Sep 2020 16:43

Tgt Ion:101 Resp: 282711

Ion Ratio Lower Upper

101 100

103 63.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU040274.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040274.D (-239) (-)

2.15

200000

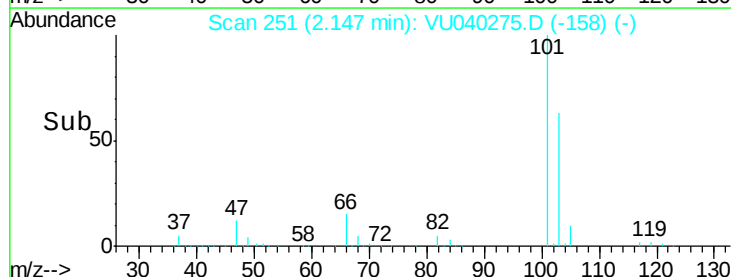
150000

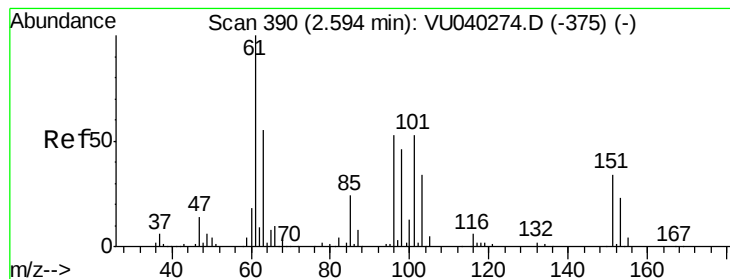
100000

50000

0

Time-->





#10

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

Concen: 6.356 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

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ClientSampleId :

VSTD010104

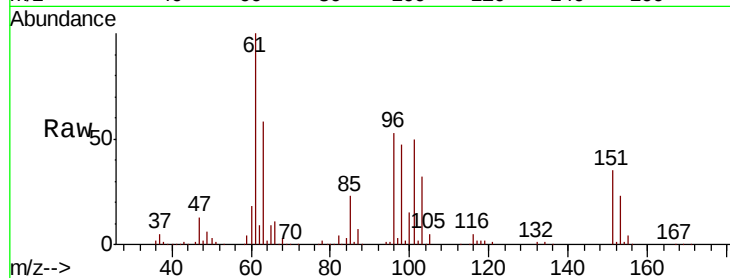
Tot Ion:101 Resp: 179790

Ion Ratio Lower Upper

101 100

85 44.7 36.7 55.1

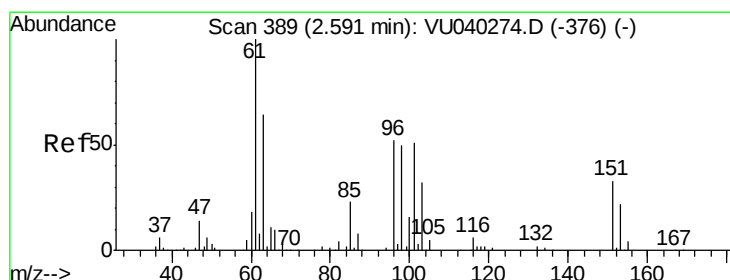
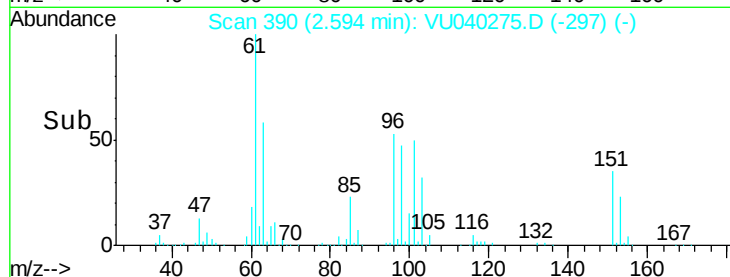
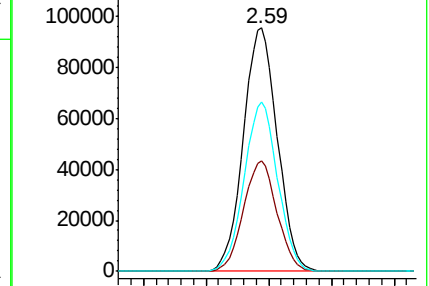
151 68.7 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): VU040275.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040275.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040275.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 6.021 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

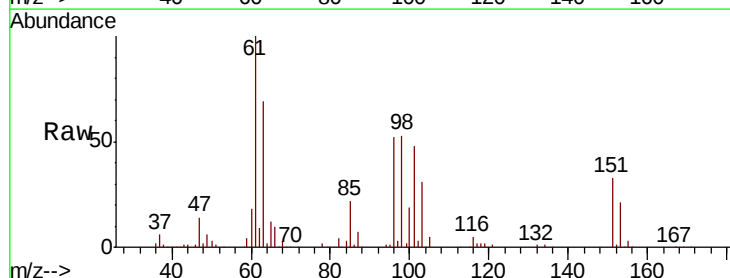
Tgt Ion: 96 Resp: 165559

Ion Ratio Lower Upper

96 100

61 193.9 134.3 249.3

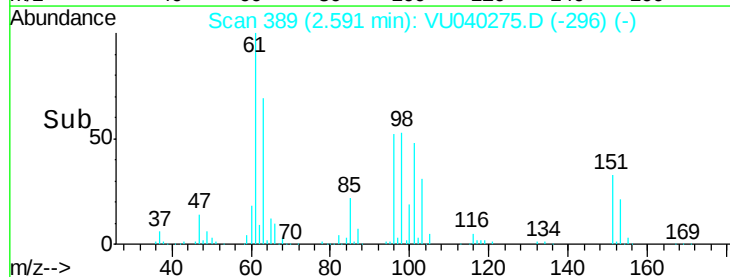
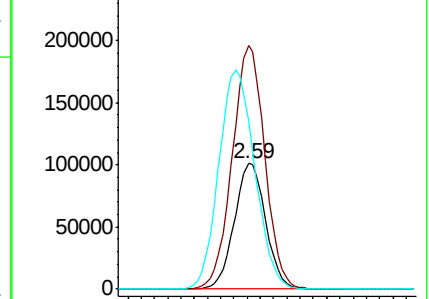
63 133.7 88.5 164.4

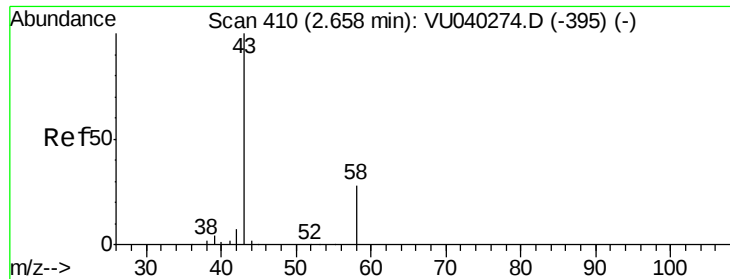


Abundance Ion 96.00 (95.70 to 96.70): VU040275.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040275.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040275.D (-296) (-)





#13

Acetone

Concen: 85.448 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

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ClientSampleId :

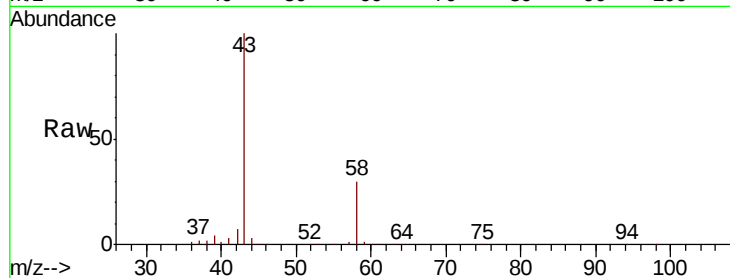
VSTD010104

Tot Ion: 43 Resp: 424706

Ion Ratio Lower Upper

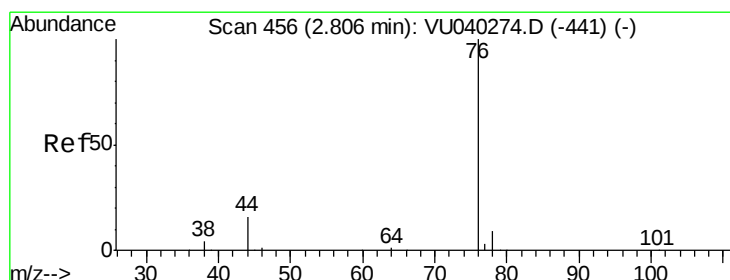
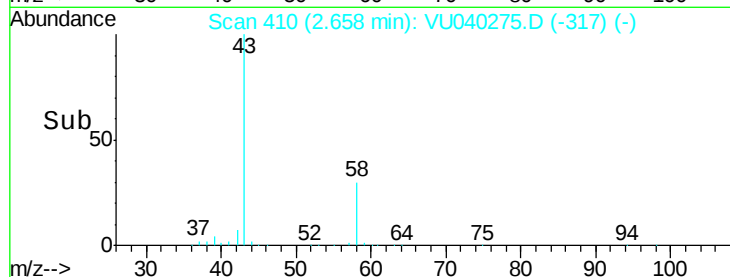
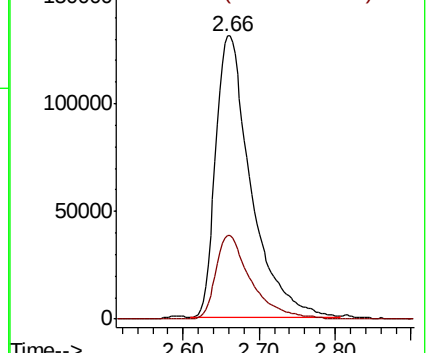
43 100

58 29.6 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU040275.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040275.D (-317) (-)



#14

Carbon disulfide

Concen: 6.421 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040275.D

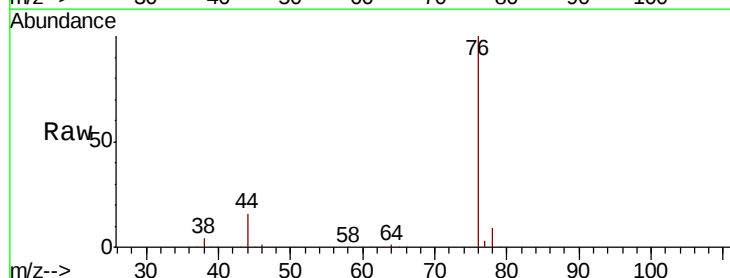
Acq: 24 Sep 2020 16:43

Tgt Ion: 76 Resp: 571674

Ion Ratio Lower Upper

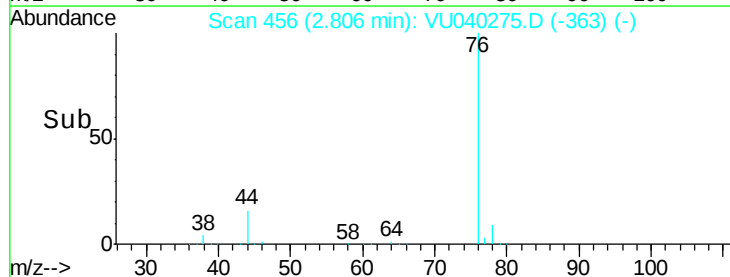
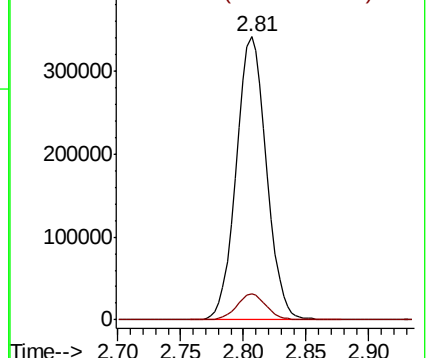
76 100

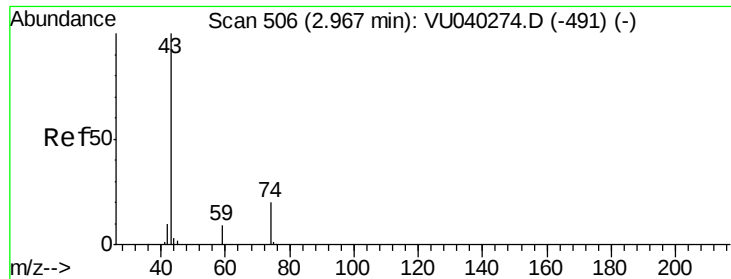
78 9.3 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU040275.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040275.D (-363) (-)

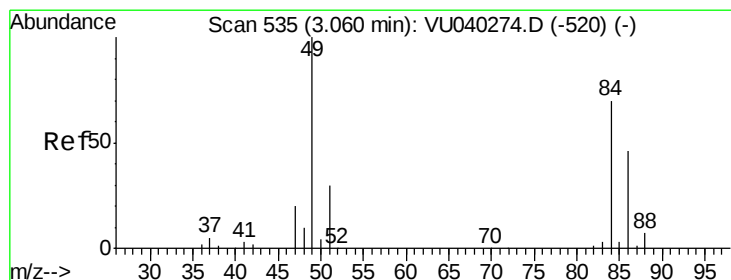
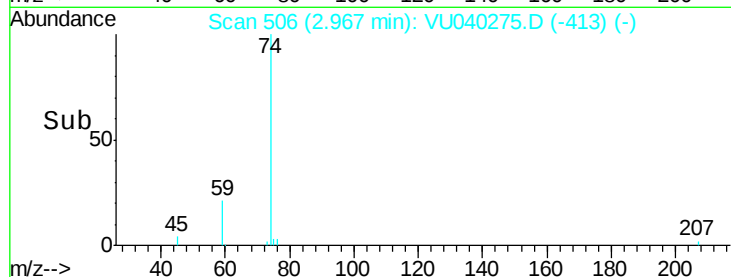
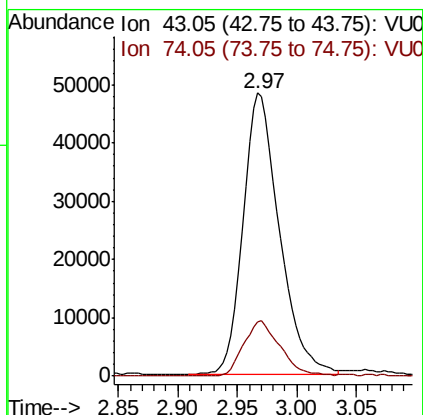
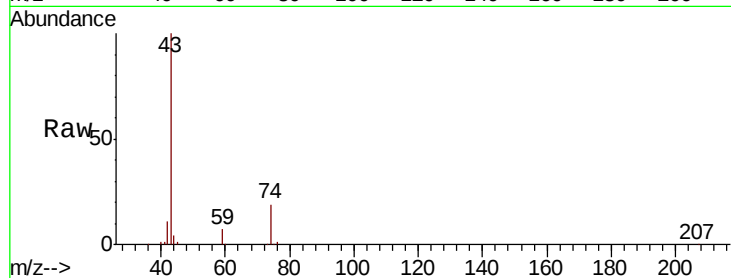




#15
Methvl Acetate
Concen: 8.332 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

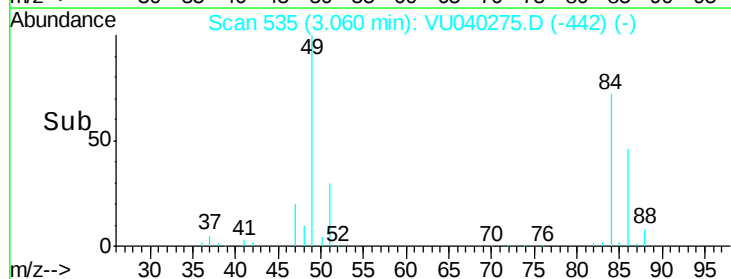
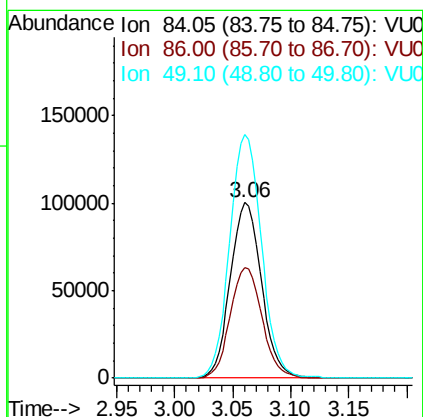
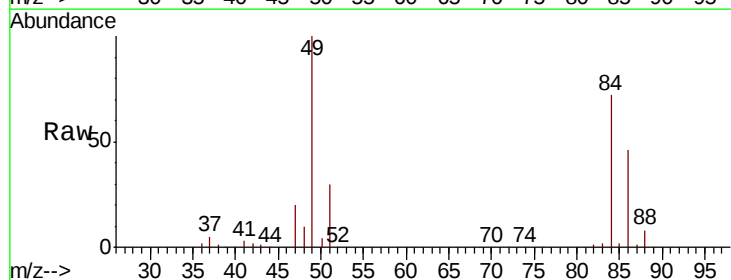
Instrument :
MSVOA_U
ClientSampled :
VSTD010104

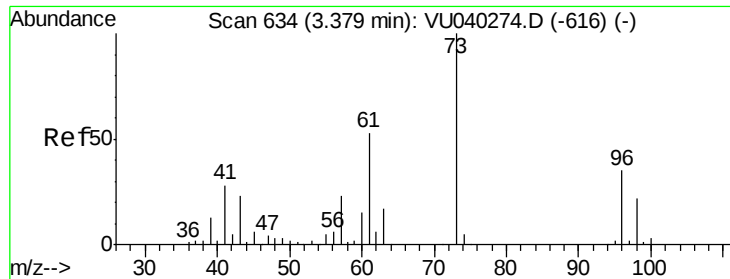
Tot Ion: 43 Resp: 102558
Ion Ratio Lower Upper
43 100
74 19.8 16.9 25.3



#16
Methylene chloride
Concen: 5.039 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion: 84 Resp: 187925
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.0
49 138.9 100.4 186.4

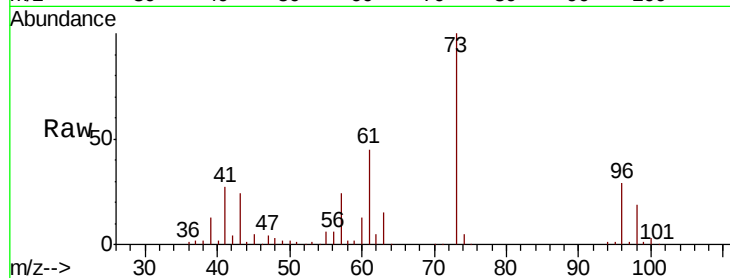




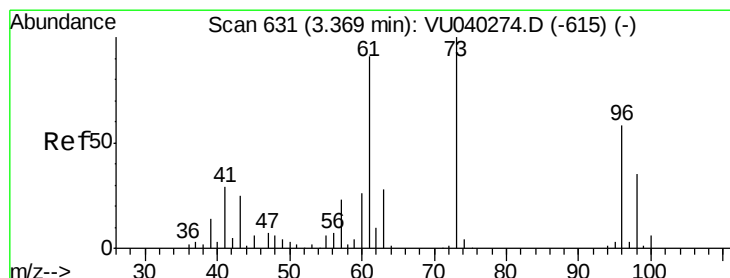
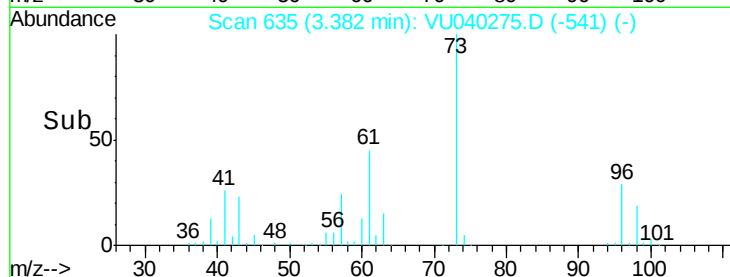
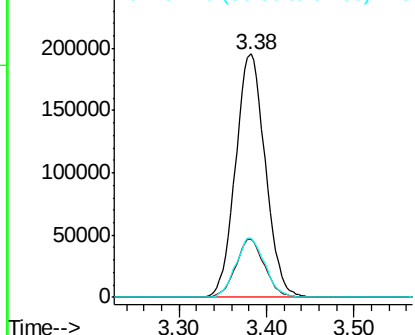
#17
Methvl tert-butvl Ether
Concen: 6.540 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion: 73 Resp: 461414
Ion Ratio Lower Upper
73 100
43 23.1 19.0 28.6
57 24.0 18.6 27.8

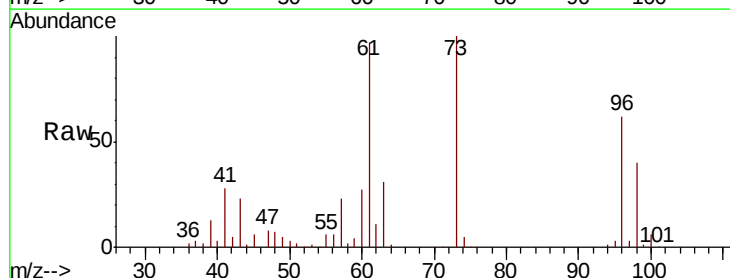


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

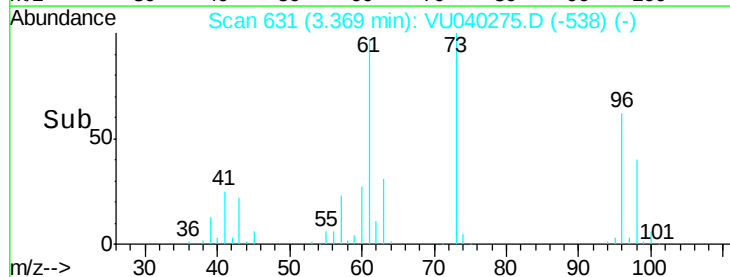
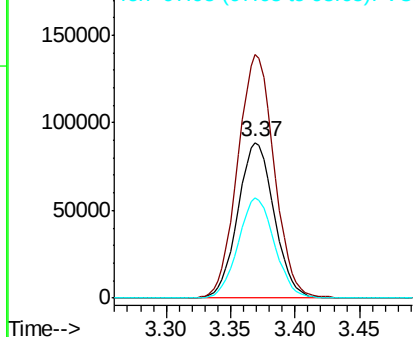


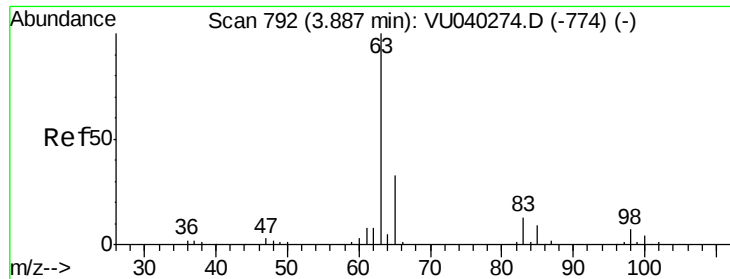
#18
trans-1,2-Dichloroethene
Concen: 5.898 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion: 96 Resp: 173948
Ion Ratio Lower Upper
96 100
61 156.3 110.7 205.5
98 64.5 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

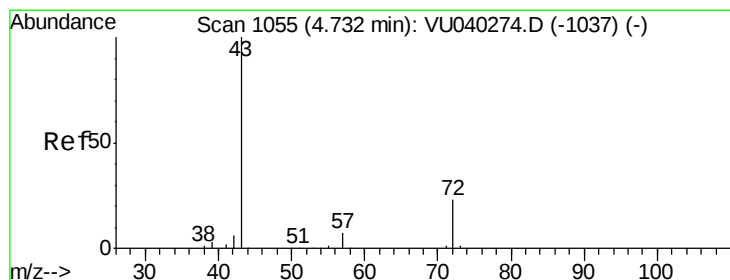
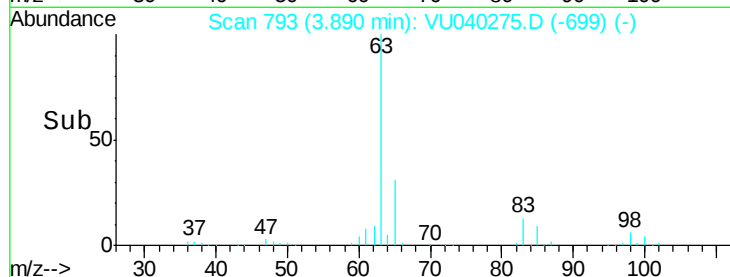
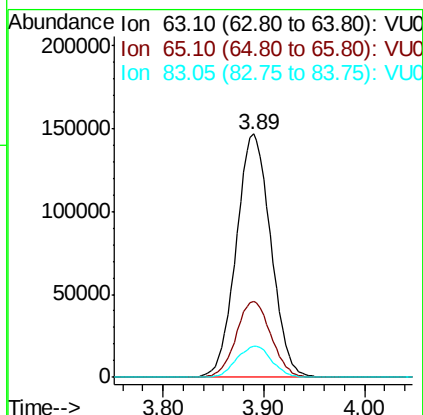
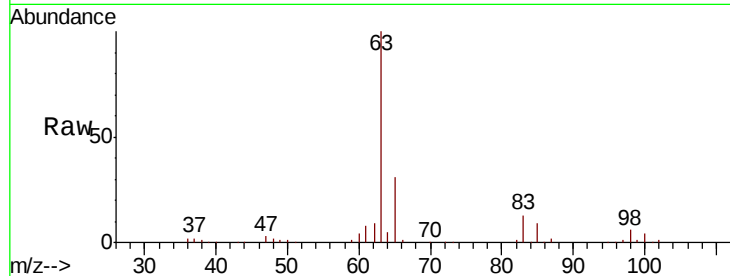




#19
 1,1-Dichloroethane
 Concen: 6.571 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

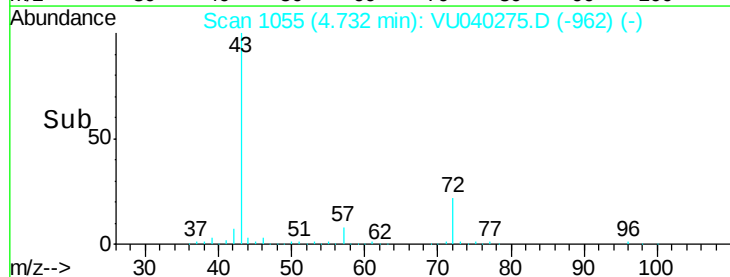
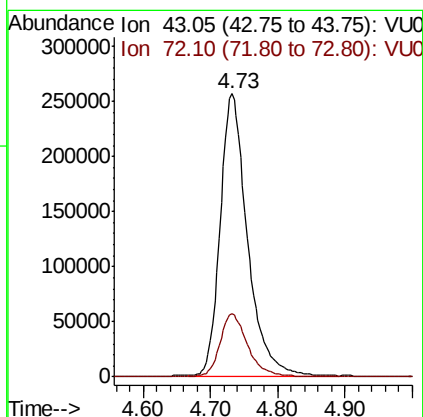
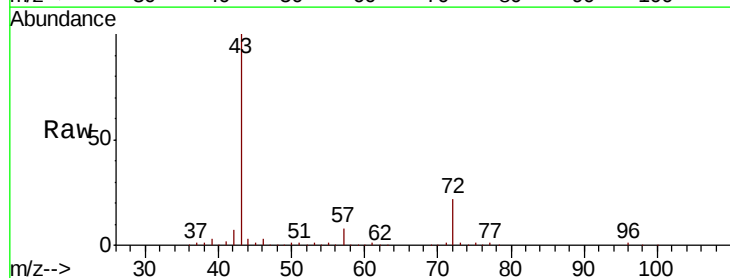
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

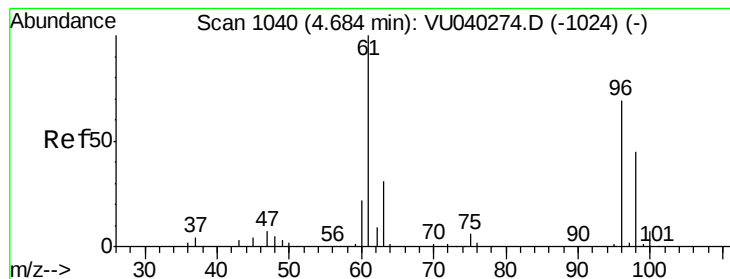
Tot Ion: 63 Resp: 348599
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 42.6
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 90.286 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion: 43 Resp: 720040
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.8 35.3





#22

cis-1,2-Dichloroethene

Concen: 5.798 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

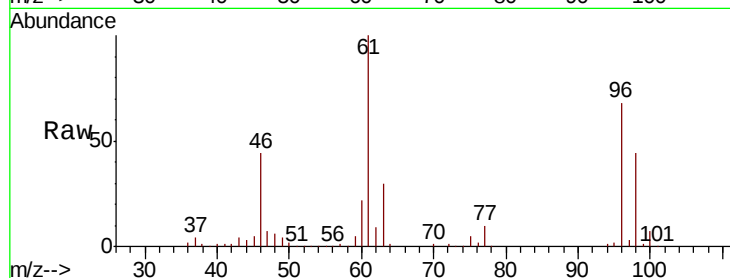
Tot Ion: 96 Resp: 188526

Ion Ratio Lower Upper

96 100

61 148.0 101.9 189.3

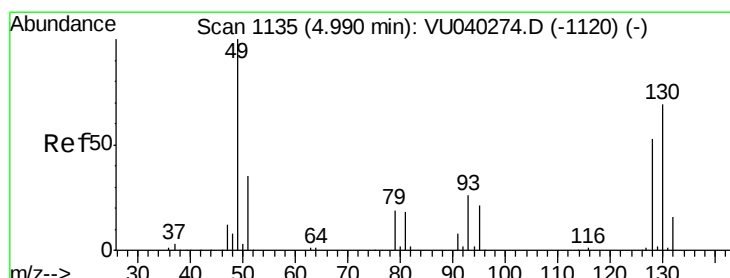
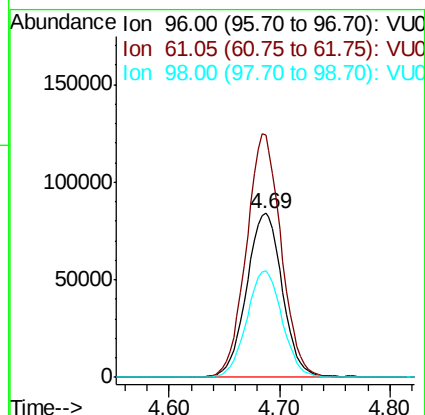
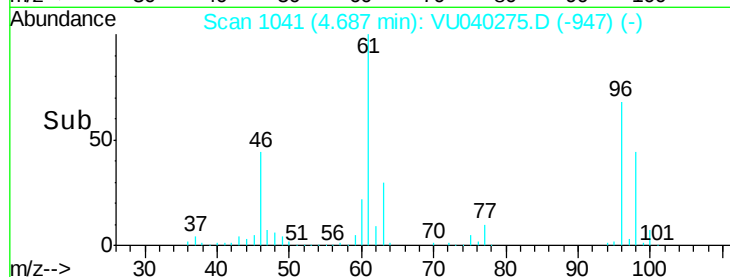
98 65.3 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VU040275.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040275.D (-947) (-)

Ion 98.00 (97.70 to 98.70): VU040275.D (-947) (-)



#23

Bromochloromethane

Concen: 6.224 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Tgt Ion: 128 Resp: 86732

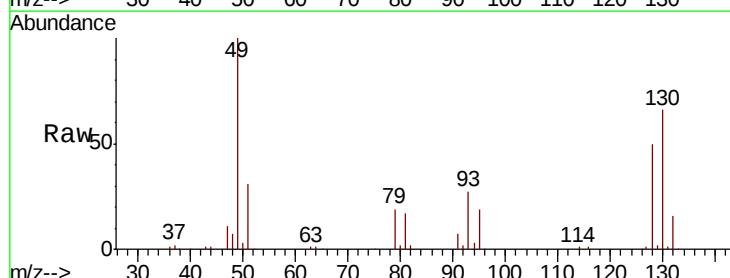
Ion Ratio Lower Upper

128 100

49 199.3 133.0 247.0

130 131.6 91.8 170.6

51 62.1 53.3 79.9

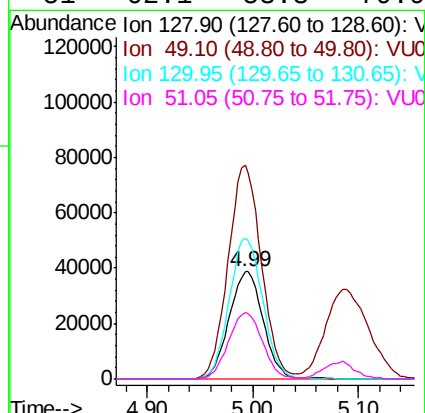
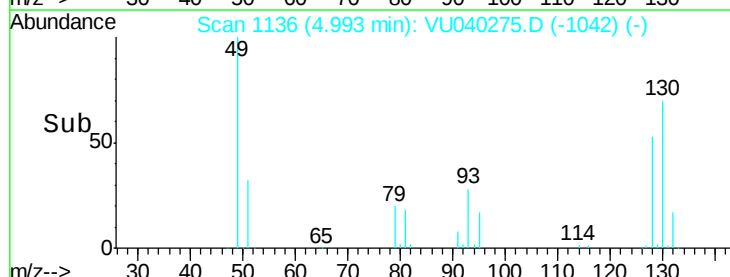


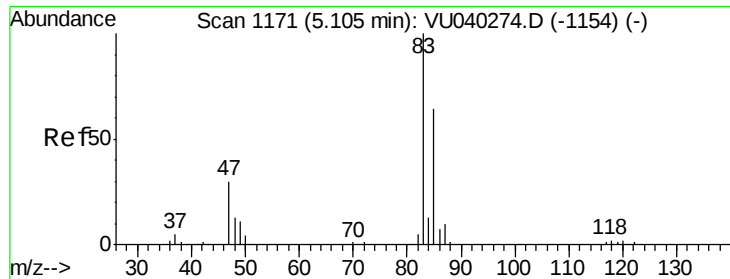
Abundance Ion 127.90 (127.60 to 128.60): VU040275.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040275.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040275.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040275.D (-1042) (-)

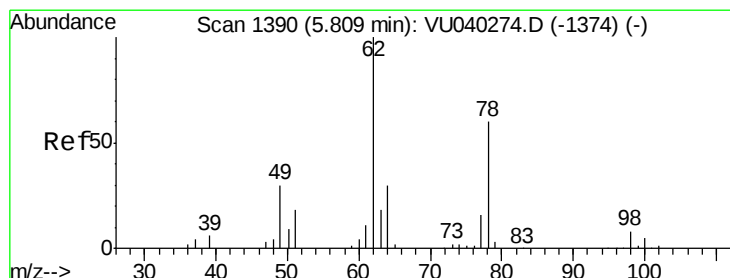
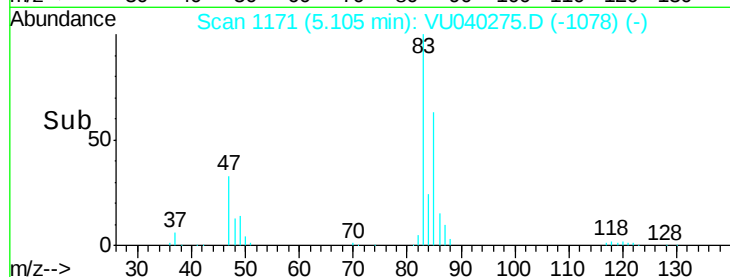
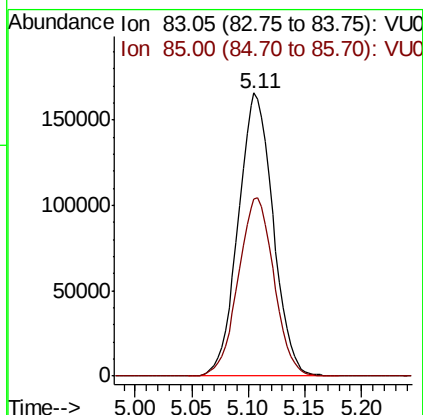
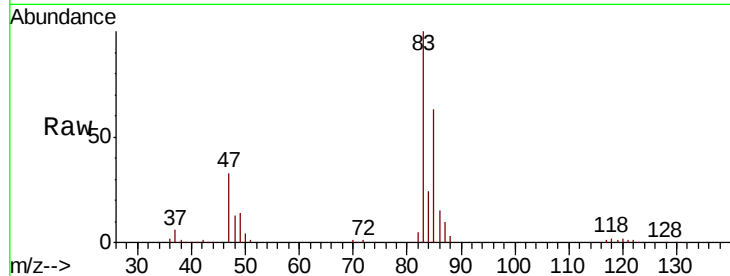




#25
Chloroform
Concen: 6.674 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

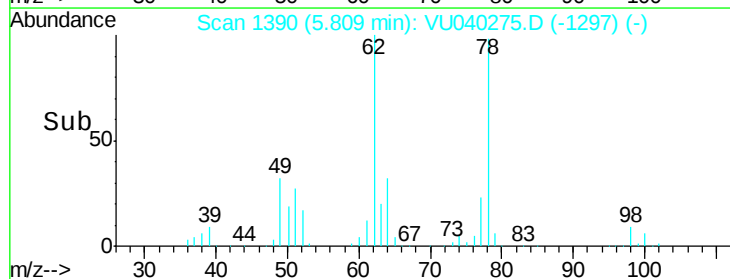
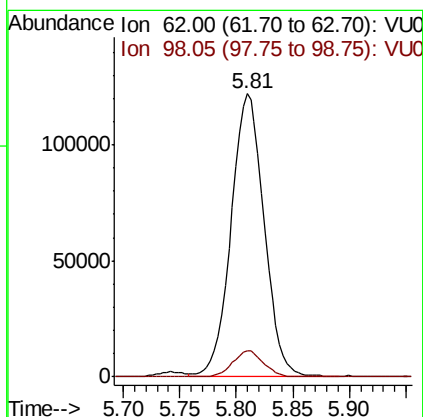
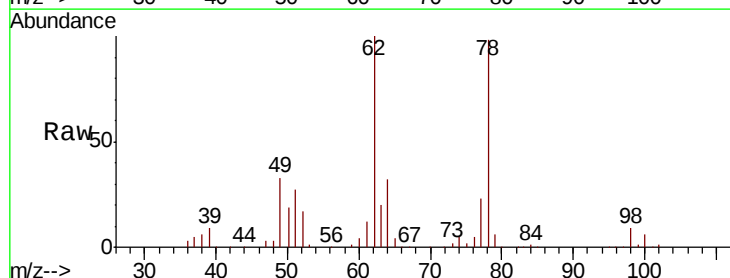
Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

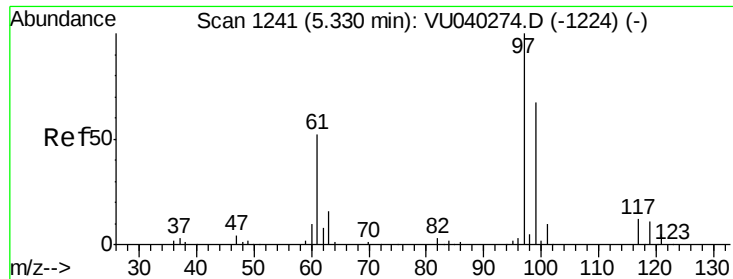
Tot Ion: 83 Resp: 354982
Ion Ratio Lower Upper
83 100
85 62.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 7.136 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion: 62 Resp: 246764
Ion Ratio Lower Upper
62 100
98 9.2 6.5 9.7

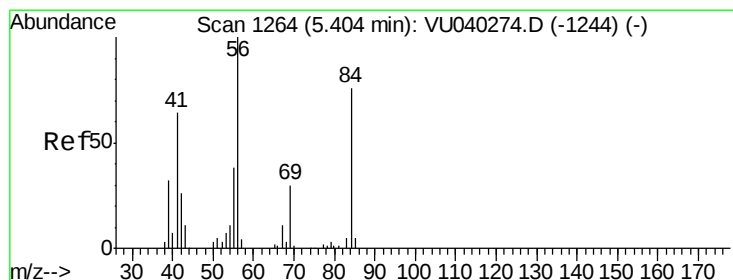
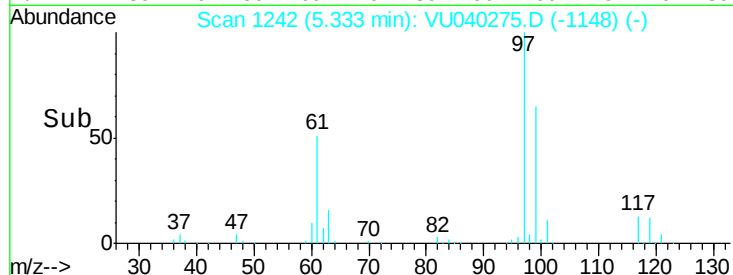
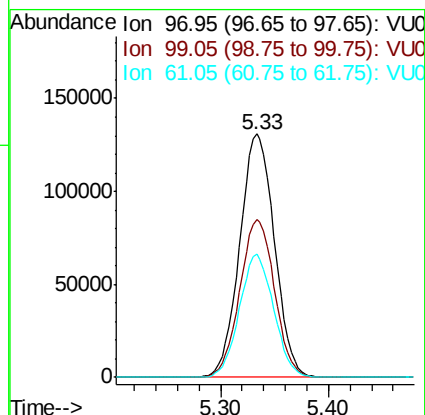
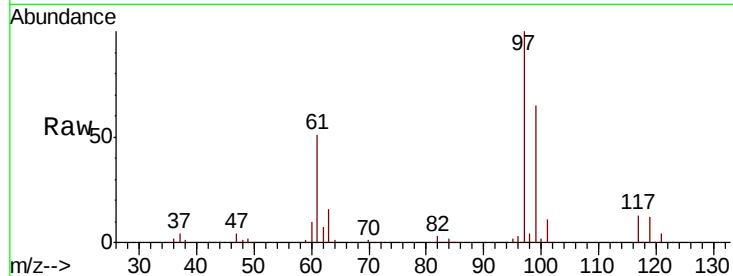




#29
 1,1,1-Trichloroethane
 Concen: 6.492 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

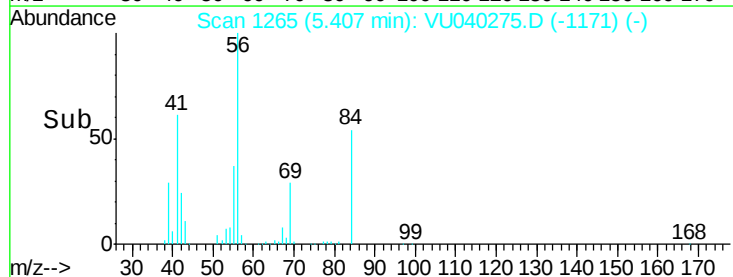
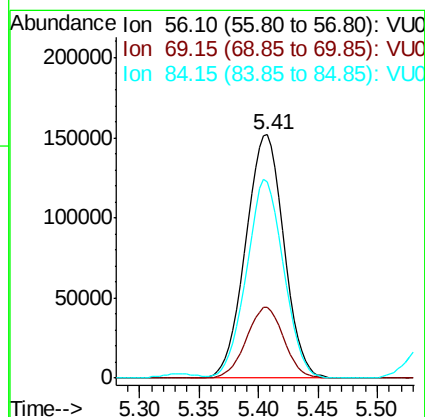
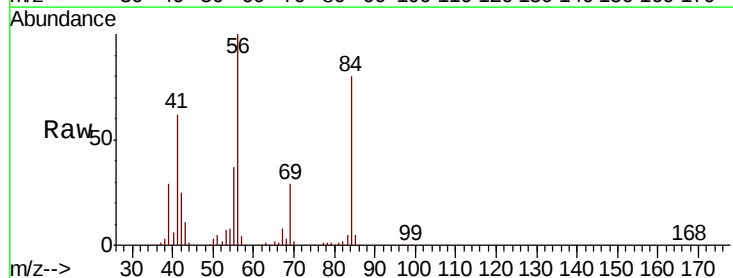
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

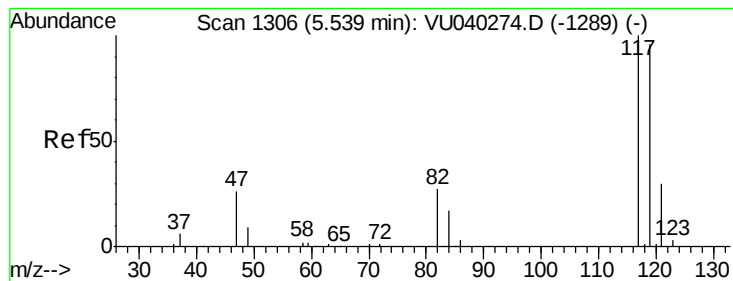
Tot Ion: 97 Resp: 293323
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.1 78.1
 61 50.0 40.2 60.4



#30
 Cyclohexane
 Concen: 6.607 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion: 56 Resp: 338635
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.0 34.6
 84 79.2 63.3 94.9





#31

Carbon tetrachloride

Concen: 6.758 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

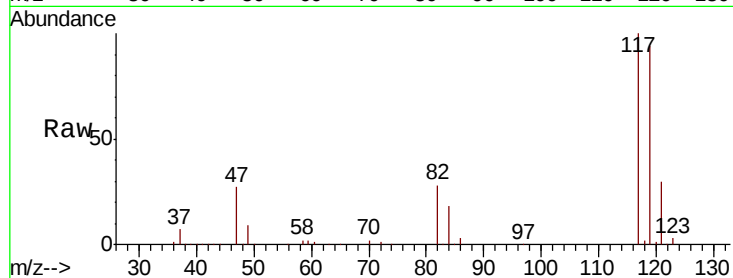
VSTD010104

Tot Ion:117 Resp: 259521

Ion Ratio Lower Upper

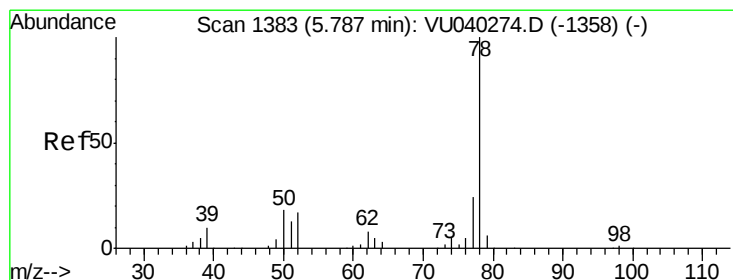
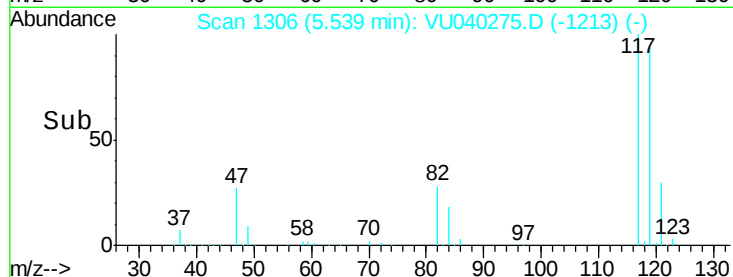
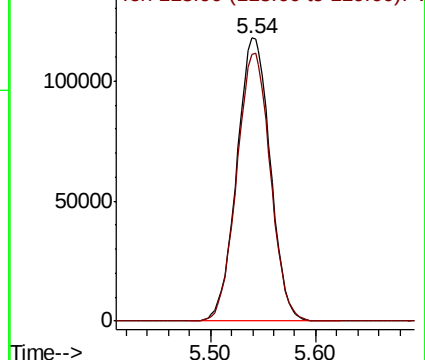
117 100

119 94.8 78.6 117.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 6.005 ug/L

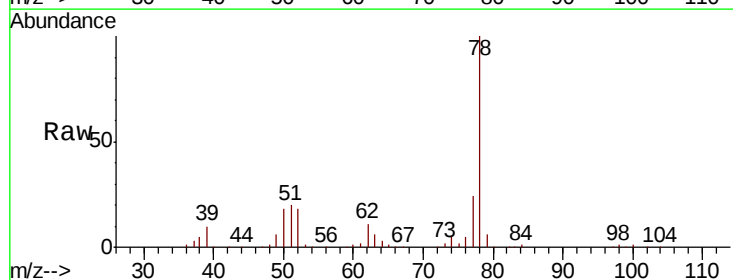
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

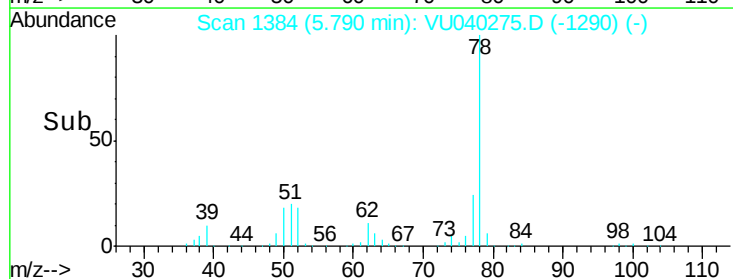
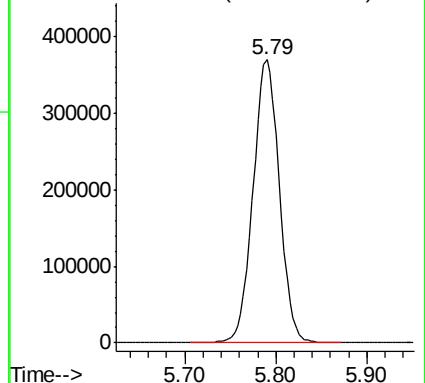
Lab File: VU040275.D

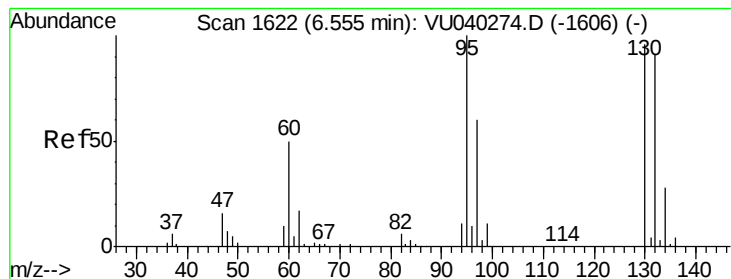
Acq: 24 Sep 2020 16:43

Tgt Ion: 78 Resp: 744280



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.840 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

Tot Ion: 95 Resp: 190377

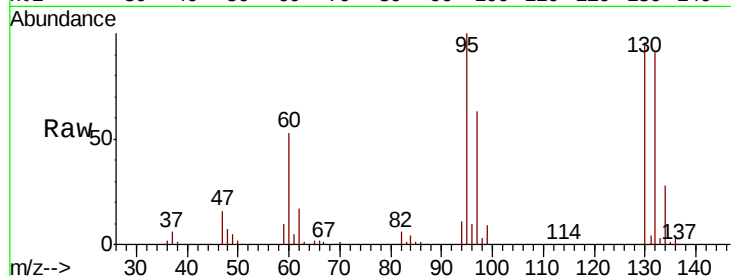
Ion Ratio Lower Upper

95 100

97 63.1 42.1 78.3

132 90.5 63.8 118.4

130 95.9 67.3 125.1

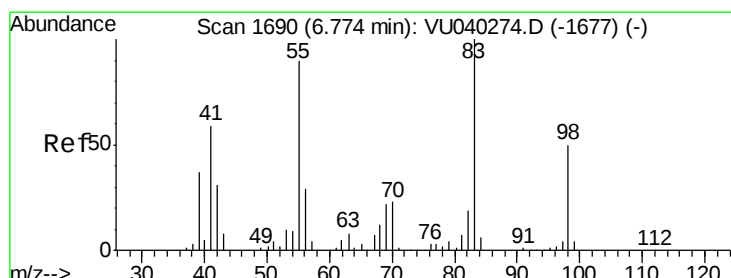
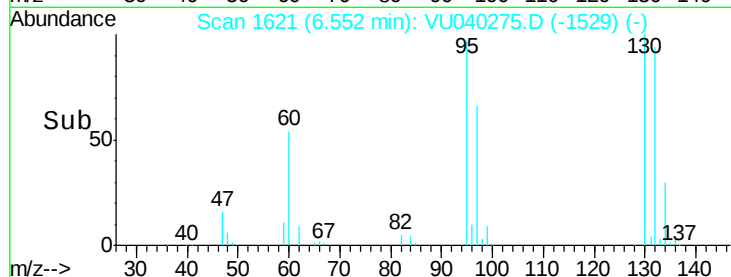
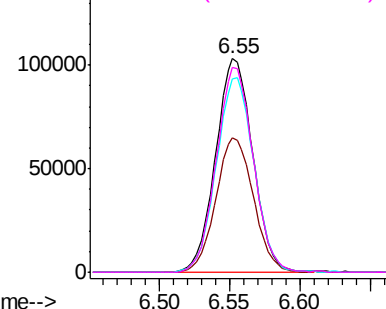


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.785 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

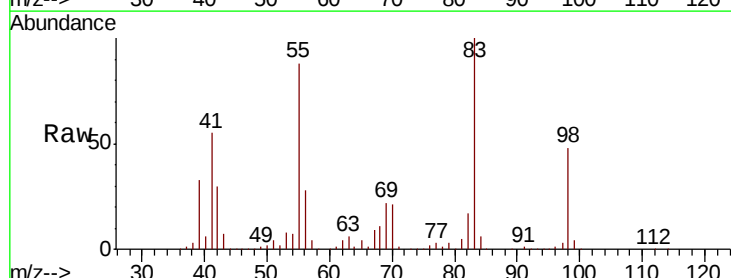
Tgt Ion: 83 Resp: 316781

Ion Ratio Lower Upper

83 100

55 87.3 71.7 107.5

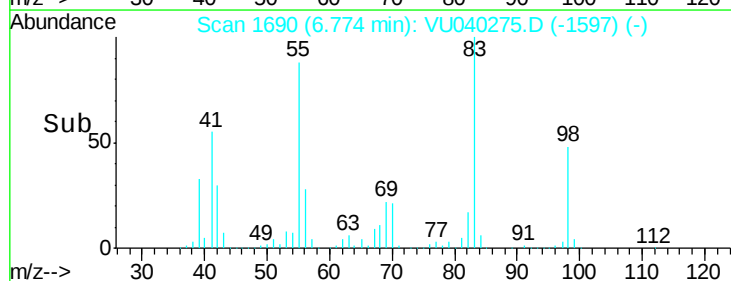
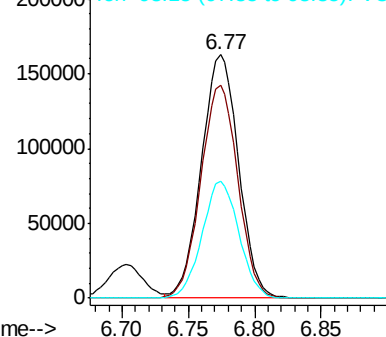
98 47.4 38.6 58.0

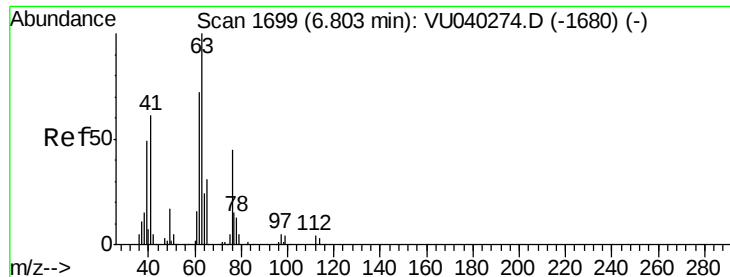


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

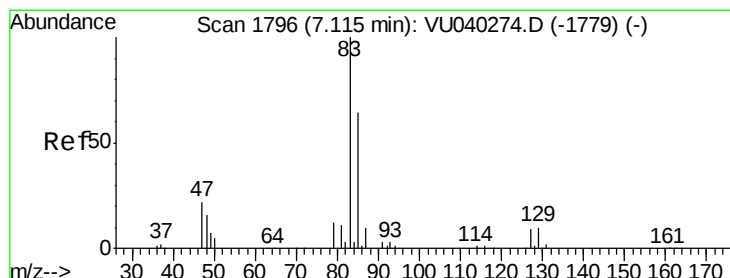
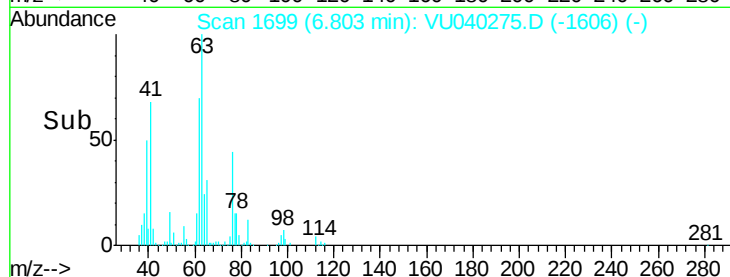
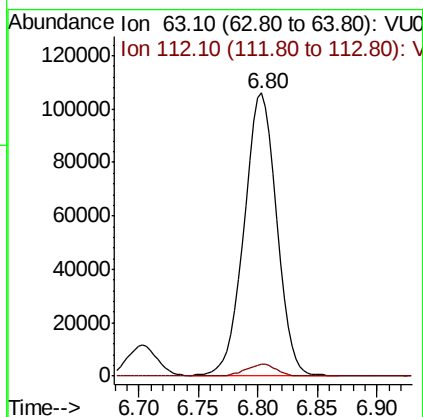
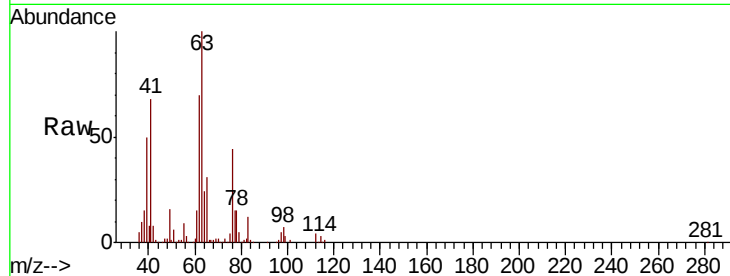




#37
 1,2-Dichloropropane
 Concen: 6.447 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

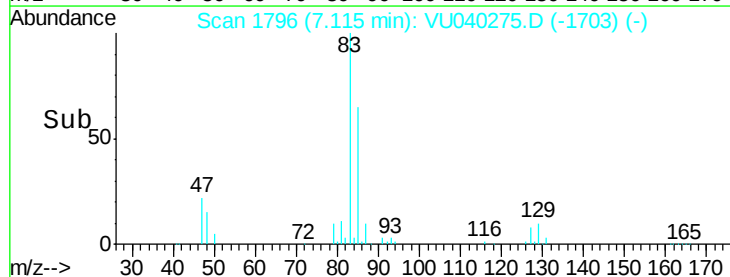
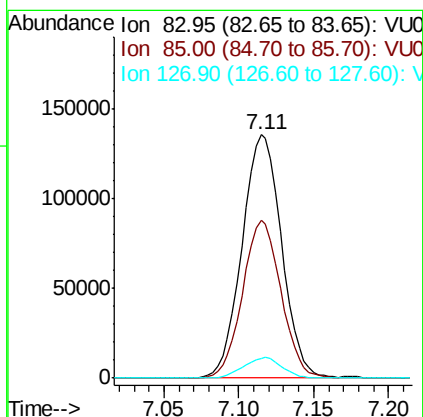
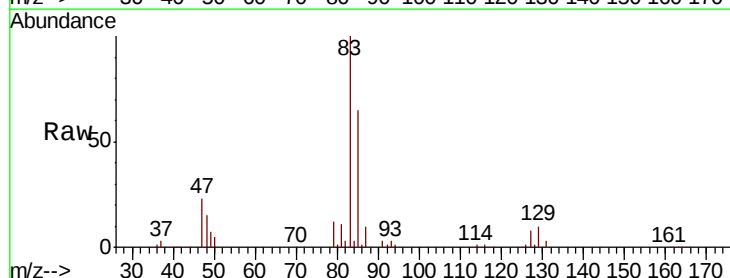
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

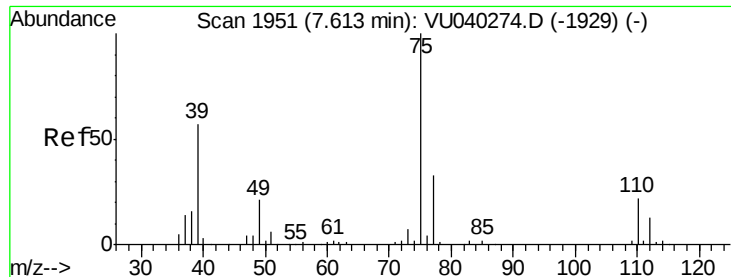
Tot Ion: 63 Resp: 200309
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 6.506 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion: 83 Resp: 250311
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.6 82.8
 127 8.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 6.201 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

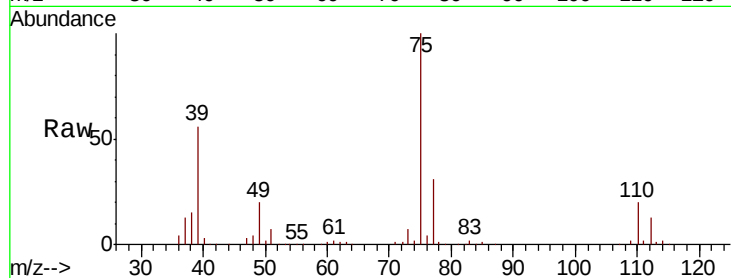
VSTD010104

Tot Ion: 75 Resp: 292053

Ion Ratio Lower Upper

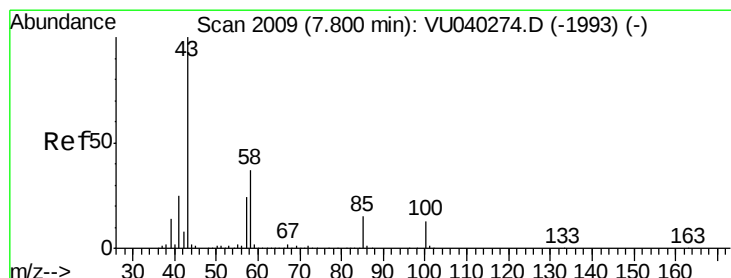
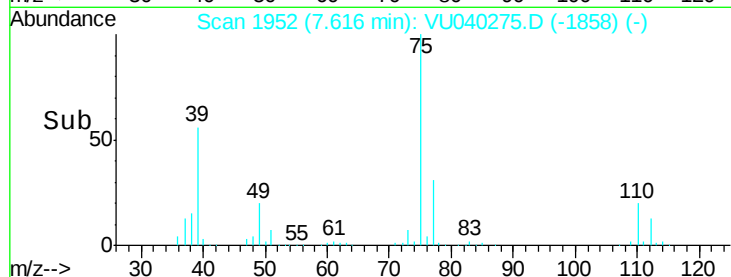
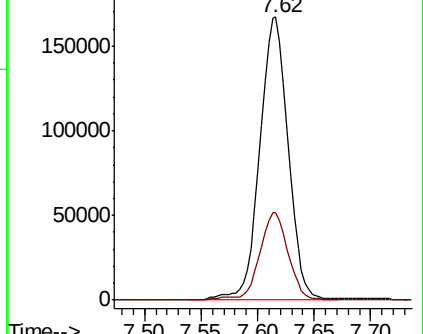
75 100

77 31.0 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 84.298 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

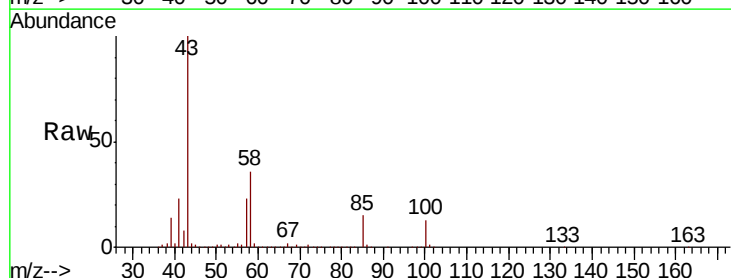
Tgt Ion: 43 Resp: 1659022

Ion Ratio Lower Upper

43 100

58 36.3 28.8 43.2

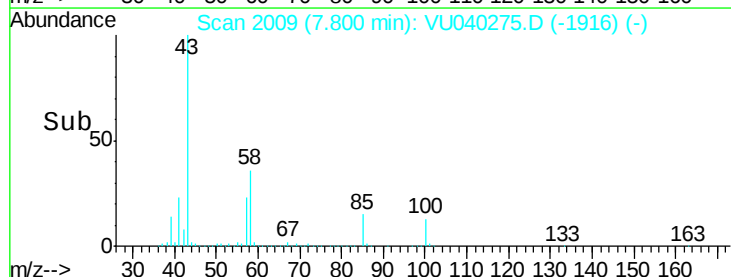
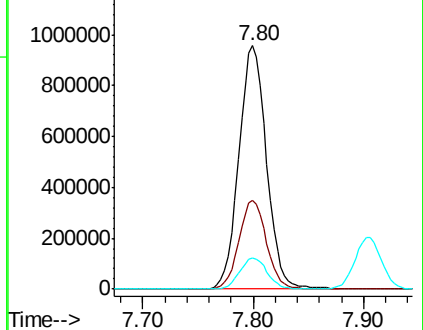
100 12.8 10.3 15.5

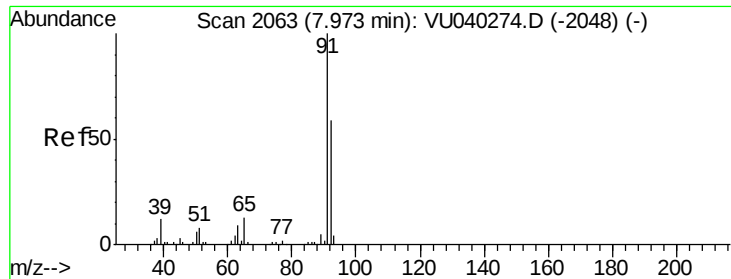


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.758 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

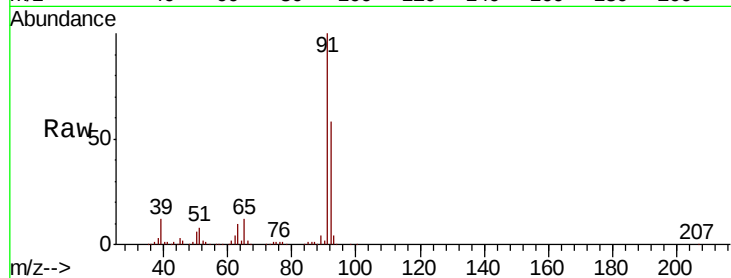
VSTD010104

Tot Ion: 91 Resp: 775241

Ion Ratio Lower Upper

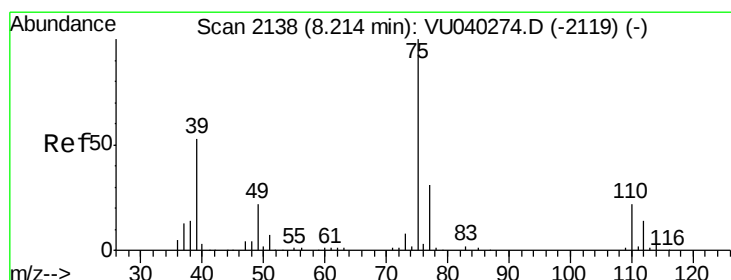
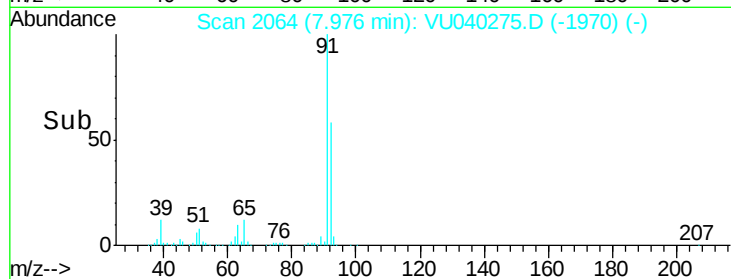
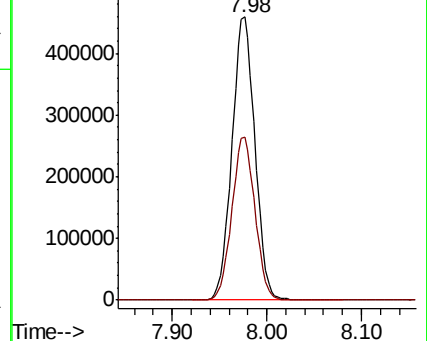
91 100

92 57.6 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 6.968 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040275.D

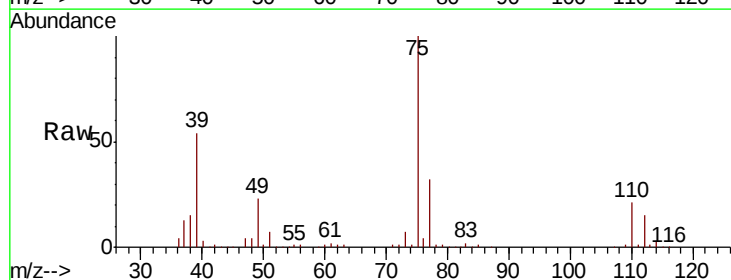
Acq: 24 Sep 2020 16:43

Tgt Ion: 75 Resp: 265840

Ion Ratio Lower Upper

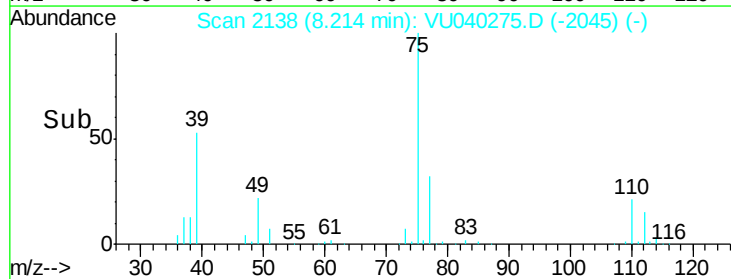
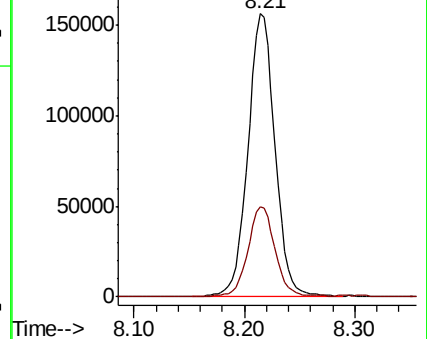
75 100

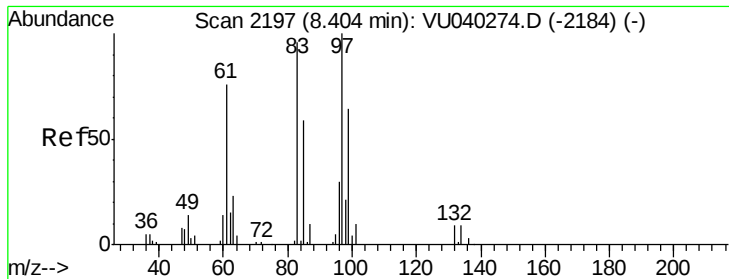
77 32.0 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 6.169 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

Tot Ion: 97 Resp: 140385

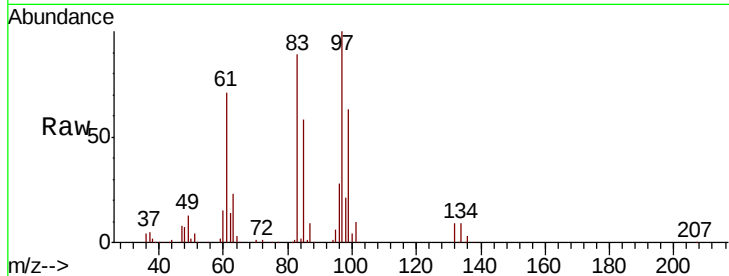
Ion Ratio Lower Upper

97 100

99 63.3 44.9 83.3

83 88.7 67.3 124.9

85 57.7 41.5 77.1



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

120000

100000

80000

60000

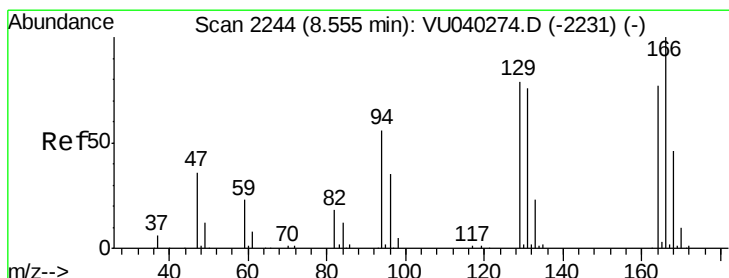
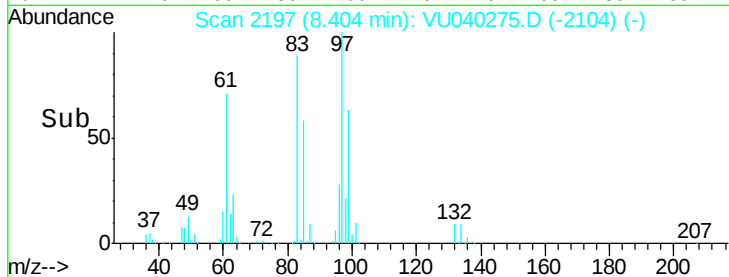
40000

20000

0

8.35 8.40 8.45

Time-->



#47

Tetrachloroethene

Concen: 5.296 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Tgt Ion: 164 Resp: 136618

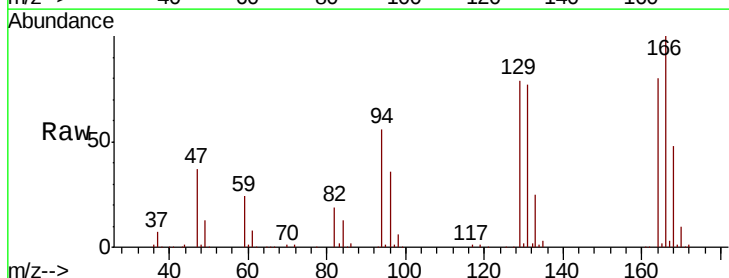
Ion Ratio Lower Upper

164 100

129 99.2 71.5 132.7

131 96.6 69.1 128.3

166 125.6 90.9 168.9



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

150000

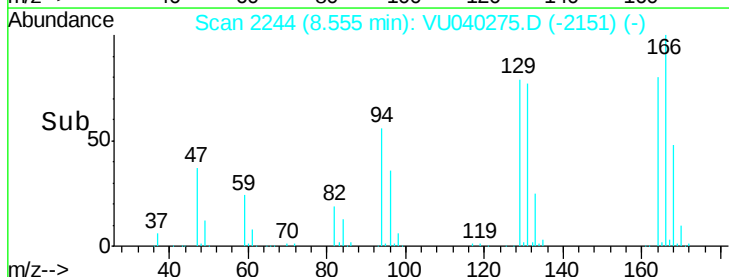
100000

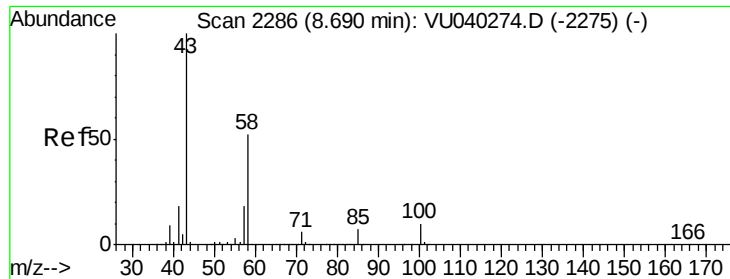
50000

0

8.50 8.55 8.60

Time-->

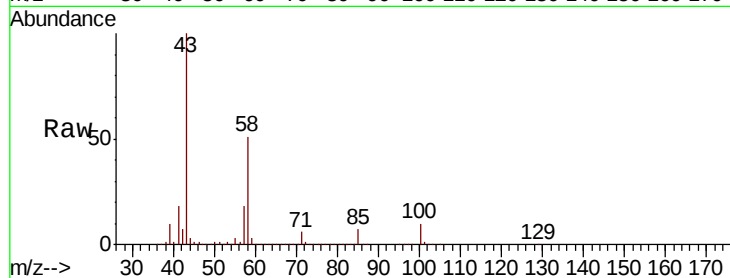




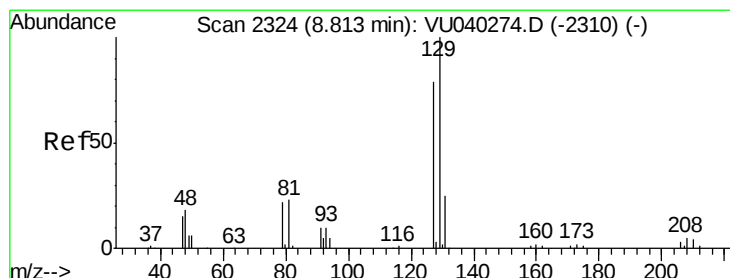
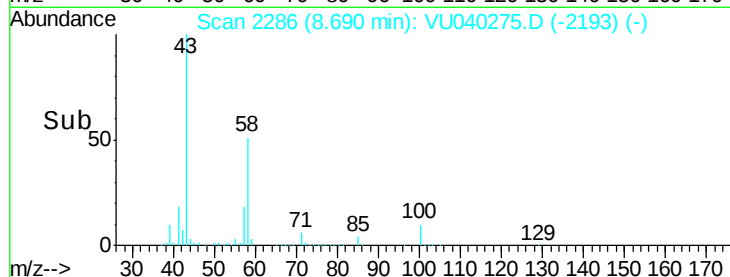
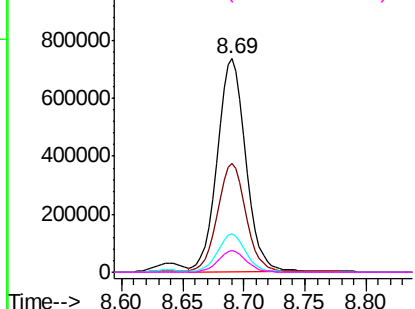
#48
2-Hexanone
Concen: 87.048 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion: 43 Resp: 1214183
Ion Ratio Lower Upper
43 100
58 51.6 39.9 59.9
57 17.7 13.8 20.8
100 10.3 7.9 11.9

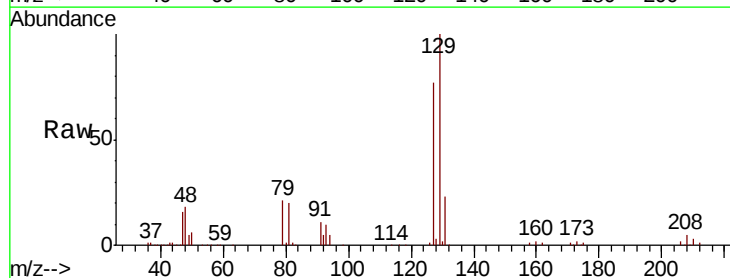


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

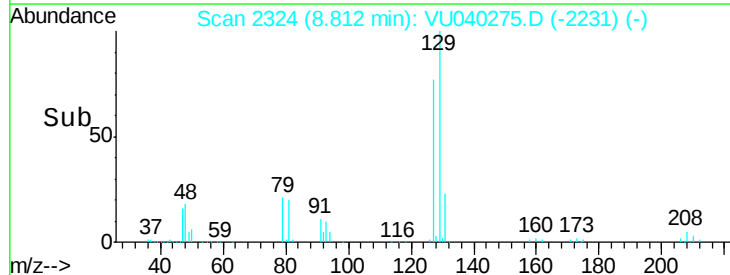
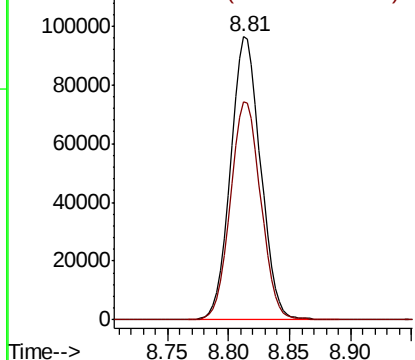


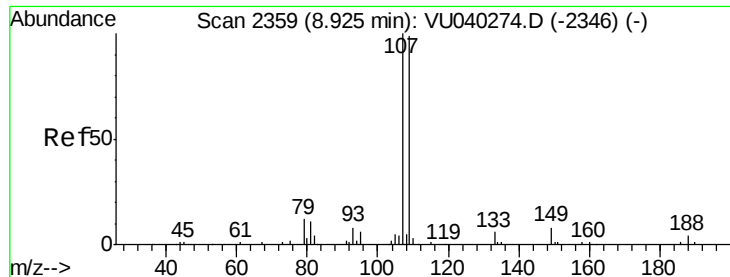
#49
Dibromochloromethane
Concen: 6.302 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion: 129 Resp: 165258
Ion Ratio Lower Upper
129 100
127 77.0 55.0 102.2



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

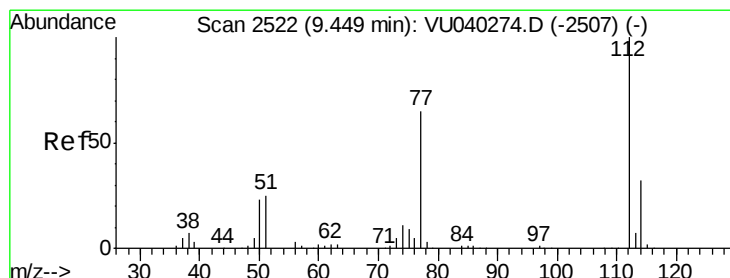
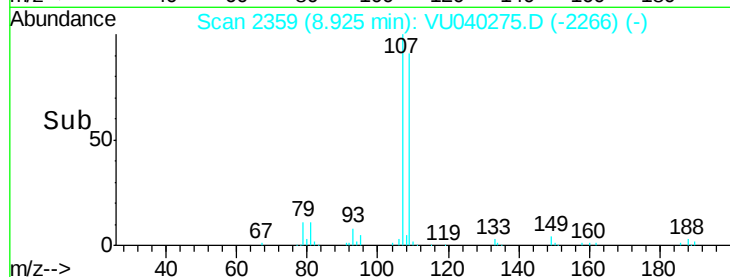
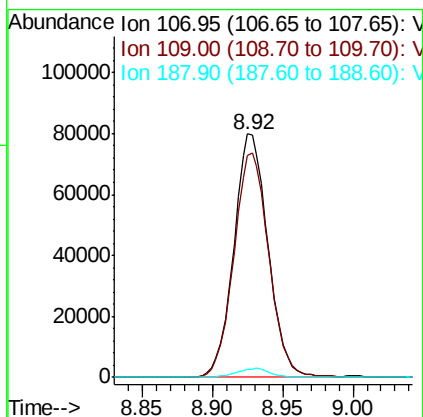
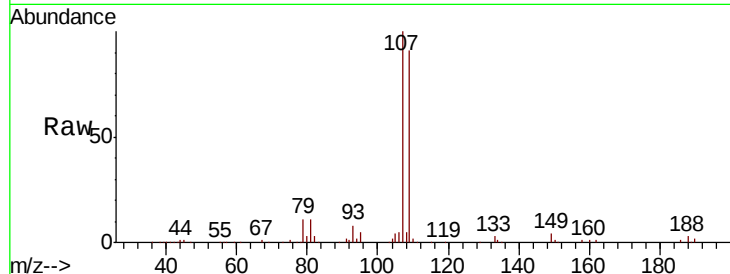




#50
1,2-Dibromoethane
Concen: 6.083 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

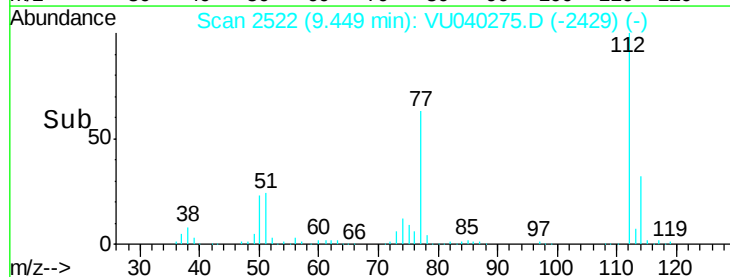
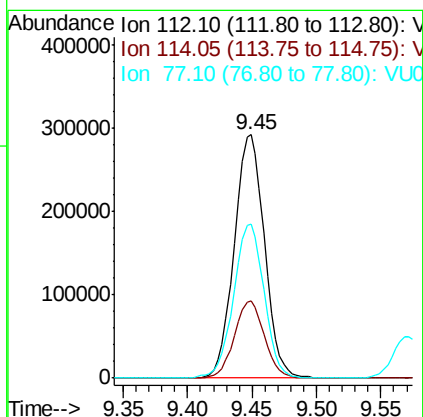
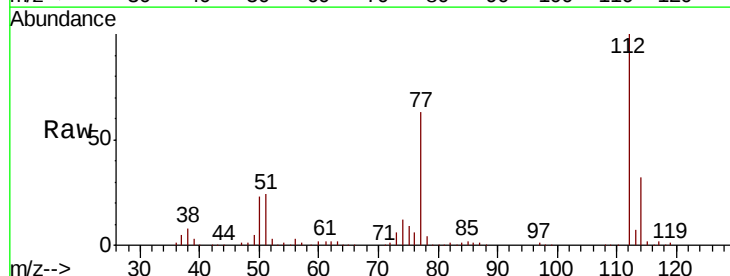
Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

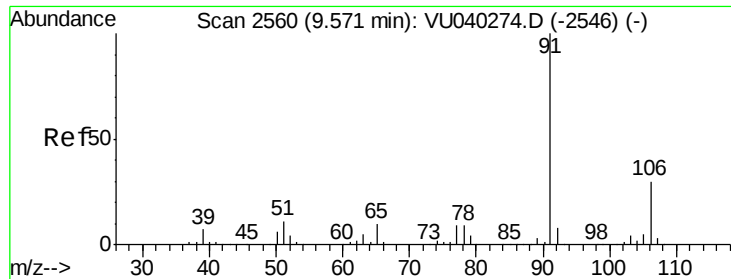
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	69.4	129.0
188	3.3	2.9	4.3



#51
Chlorobenzene
Concen: 5.561 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.3
77	63.2	52.0	78.0





#52

Ethylbenzene

Concen: 5.844 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

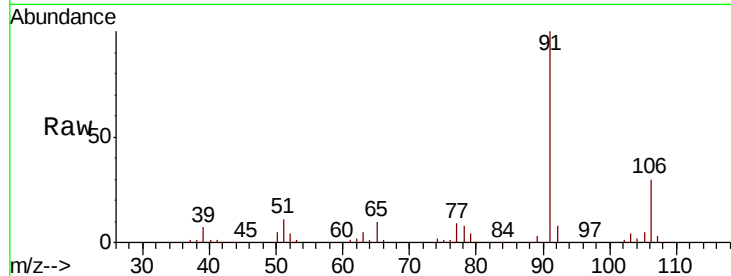
VSTD010104

Tot Ion: 91 Resp: 856357

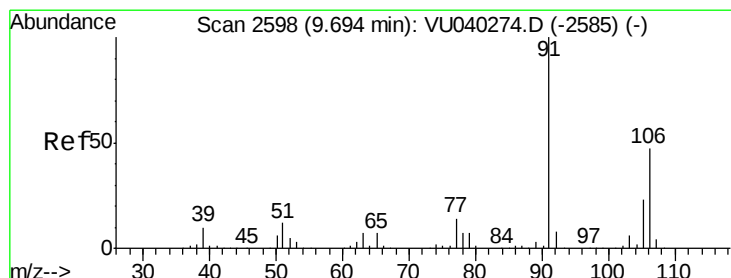
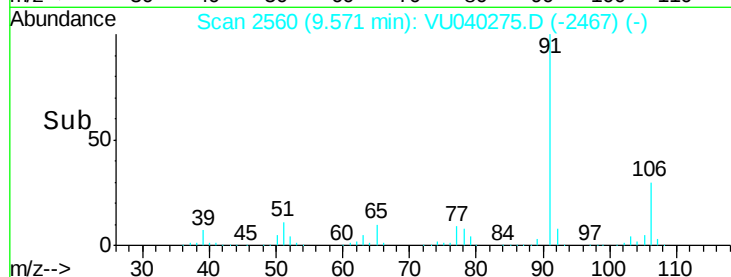
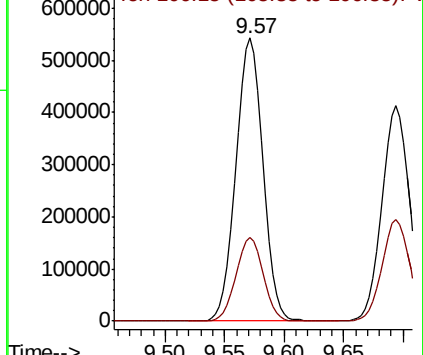
Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040275.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.664 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040275.D

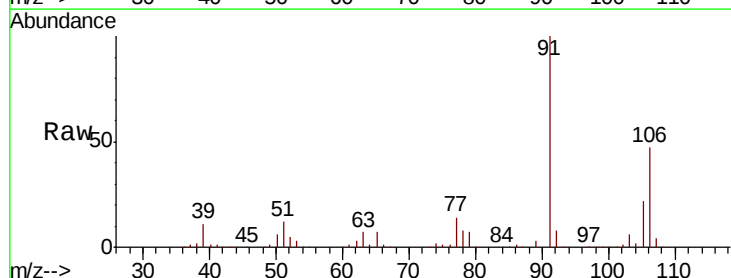
Acq: 24 Sep 2020 16:43

Tgt Ion: 106 Resp: 317887

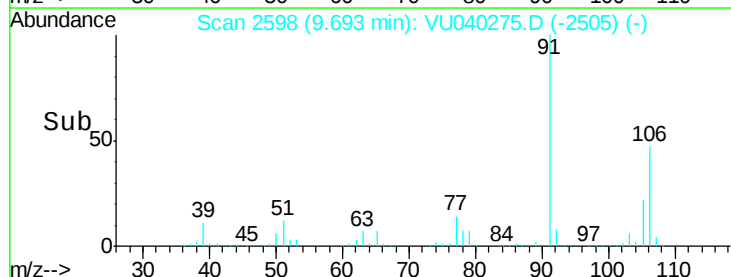
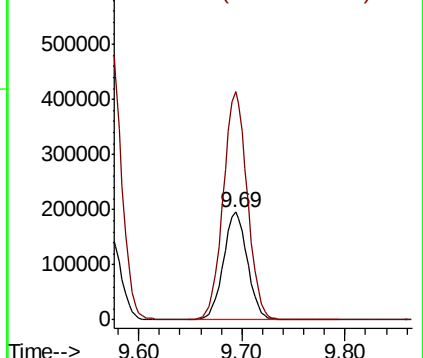
Ion Ratio Lower Upper

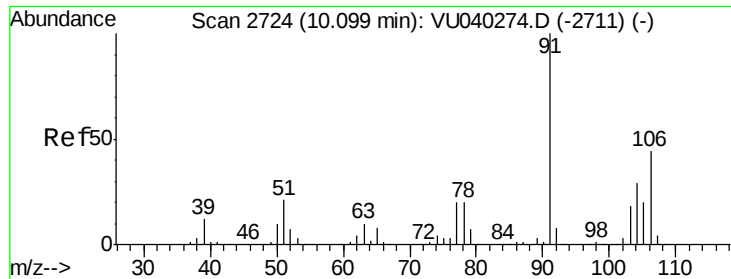
106 100

91 211.7 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040275.D (-2585) (-)

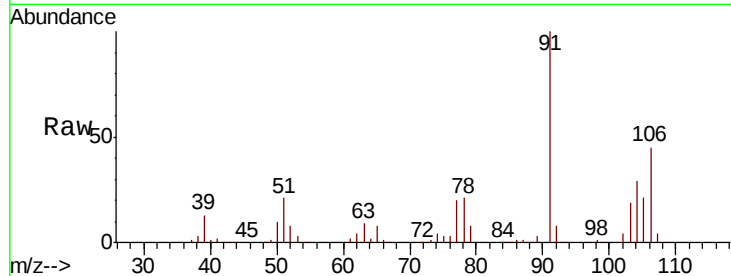




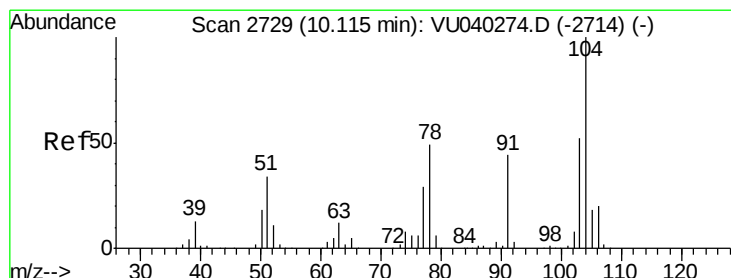
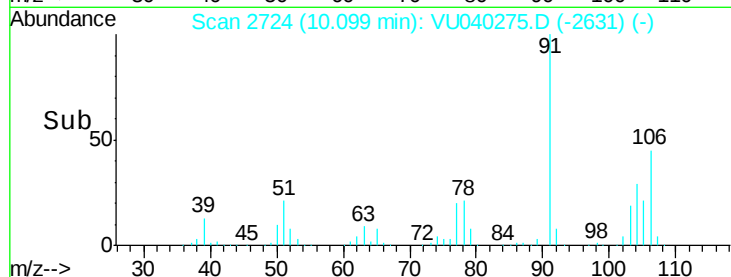
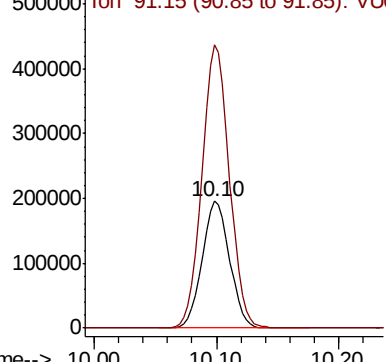
#54
o-Xylene
Concen: 5.619 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion:106 Resp: 307729
Ion Ratio Lower Upper
106 100
91 223.5 160.5 298.1

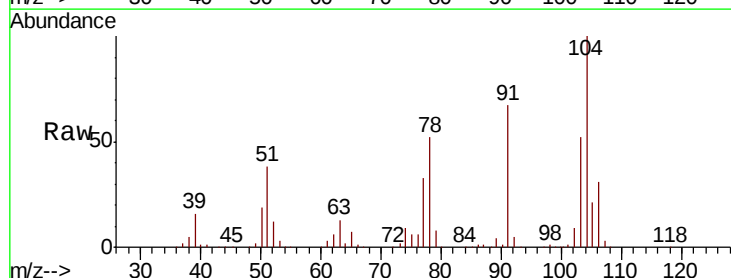


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

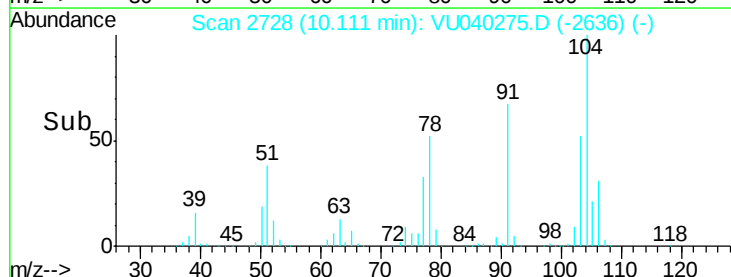
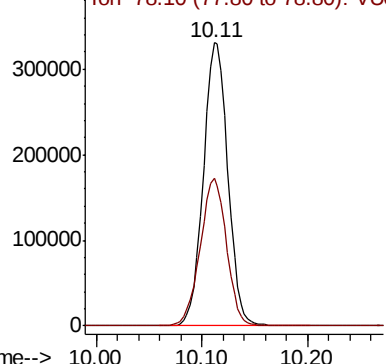


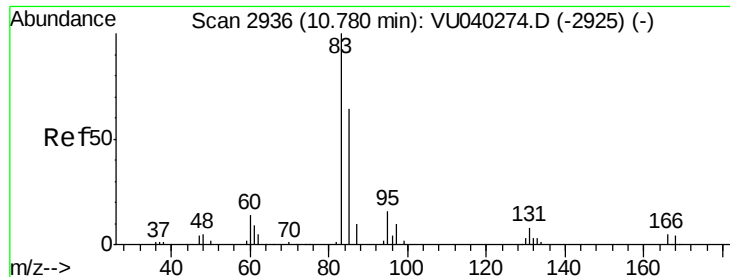
#55
Styrene
Concen: 5.821 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040275.D
Acq: 24 Sep 2020 16:43

Tgt Ion:104 Resp: 530314
Ion Ratio Lower Upper
104 100
78 52.0 34.6 64.3



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

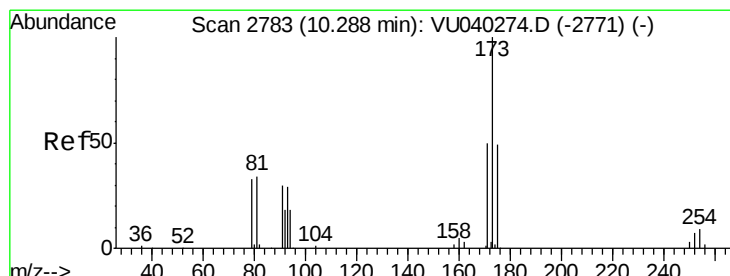
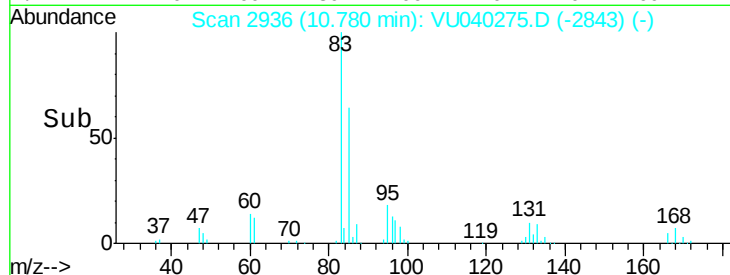
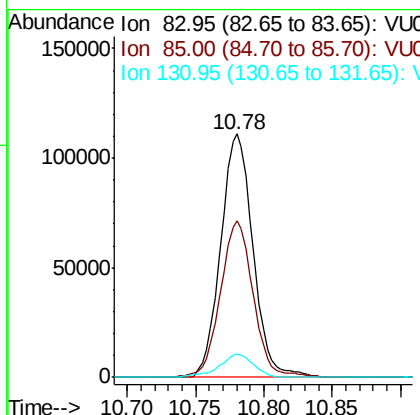
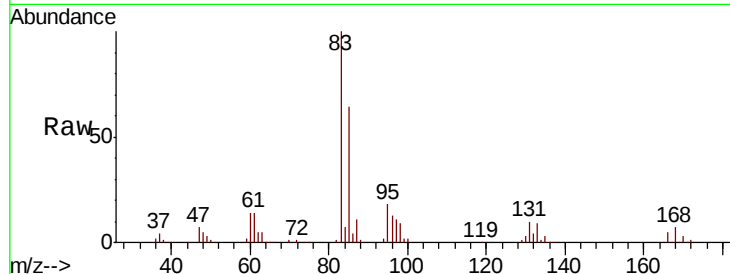




#57
 1,1,2,2-Tetrachloroethane
 Concen: 6.247 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

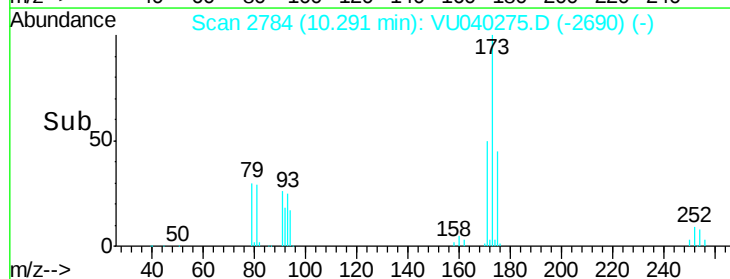
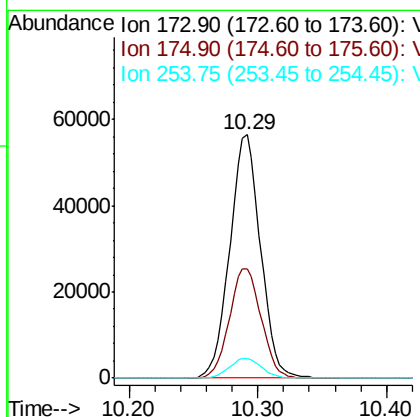
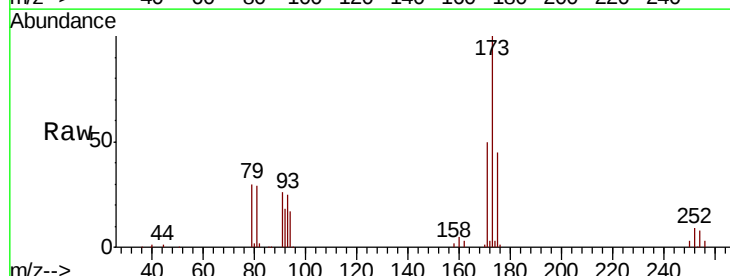
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

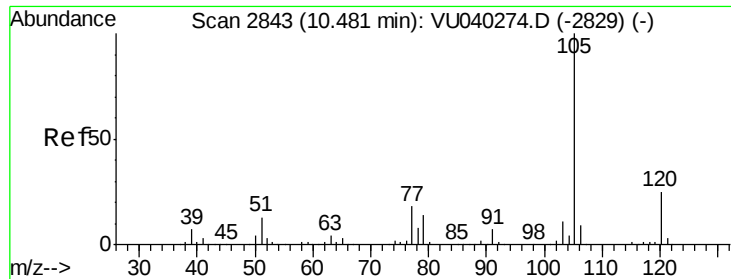
Tot Ion	83	Resp	182310
Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.5	84.5
131	9.6	7.4	11.2



#59
 Bromoform
 Concen: 6.033 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion	173	Resp	92878
Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.0	58.6
254	8.4	7.1	10.7





#60

Isopropylbenzene

Concen: 5.503 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

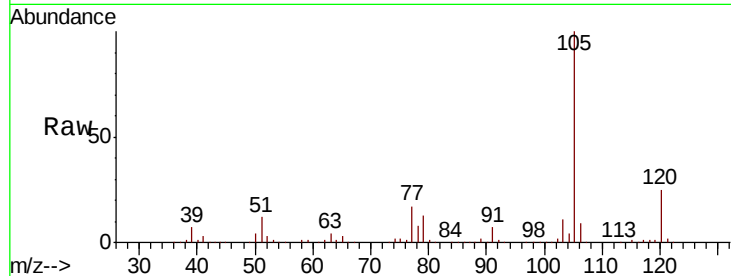
Tot Ion:105 Resp: 829592

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

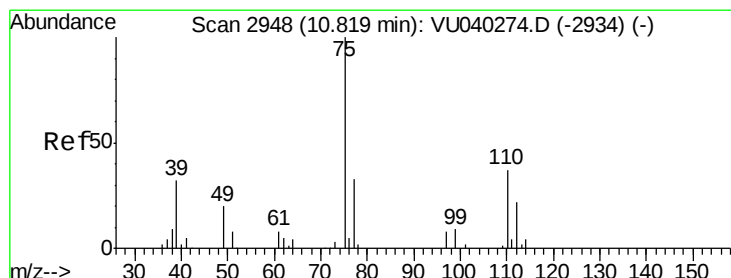
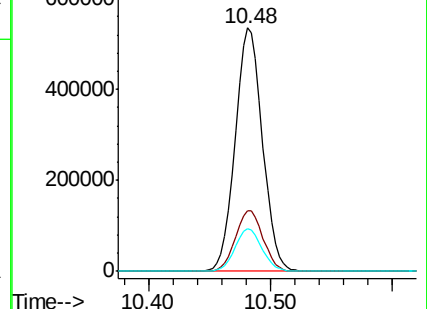
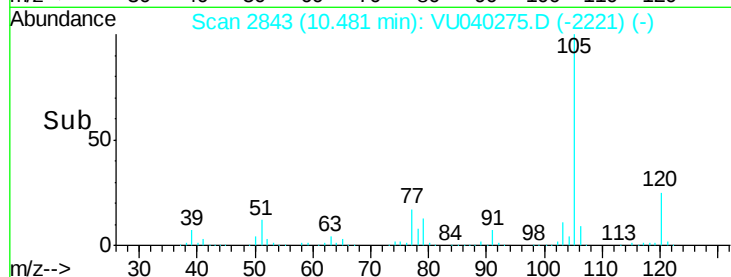
77 17.4 14.2 21.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 6.264 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

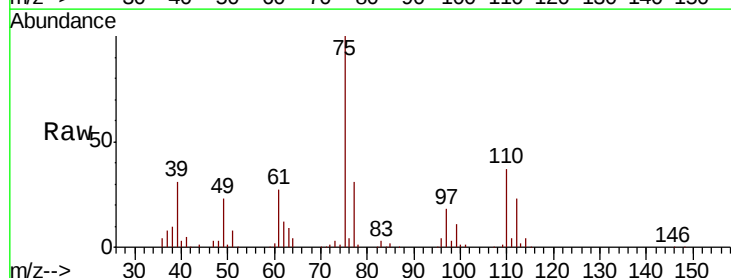
Tgt Ion: 75 Resp: 137577

Ion Ratio Lower Upper

75 100

110 37.6 29.3 43.9

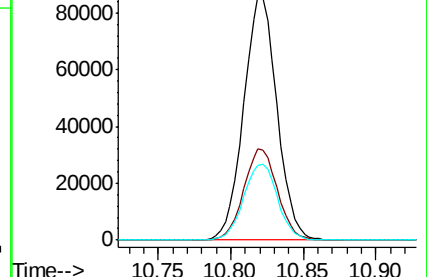
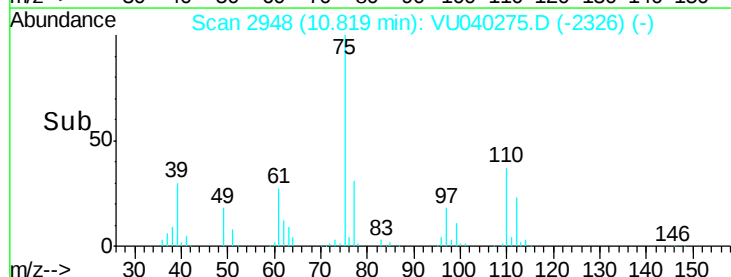
77 31.7 25.9 38.9

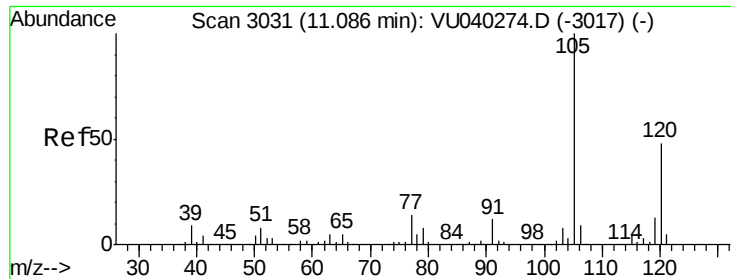


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

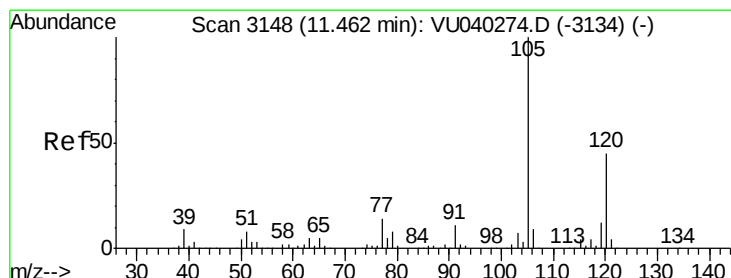
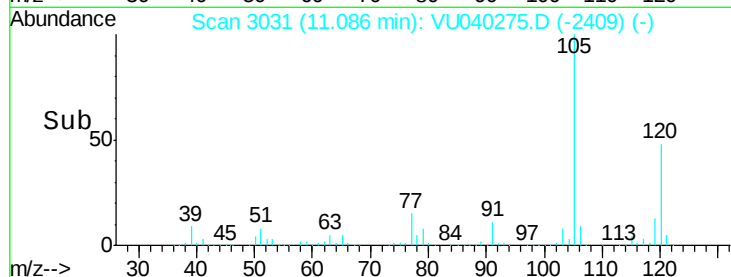
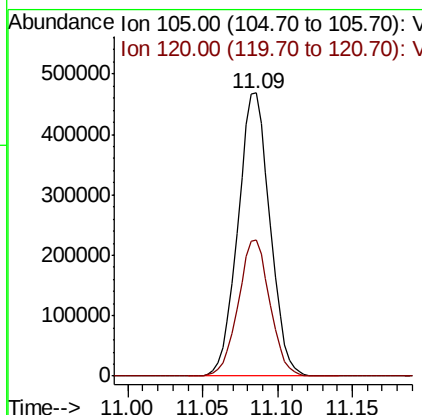
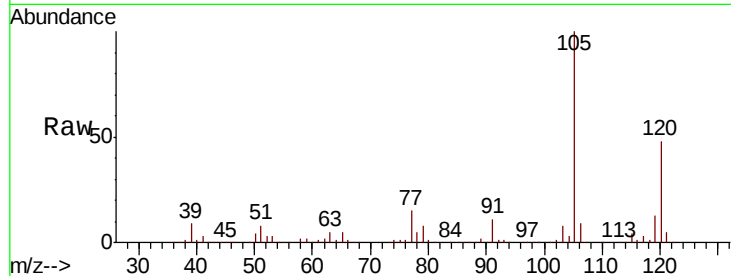




#62
 1,3,5-Trimethylbenzene
 Concen: 5.449 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

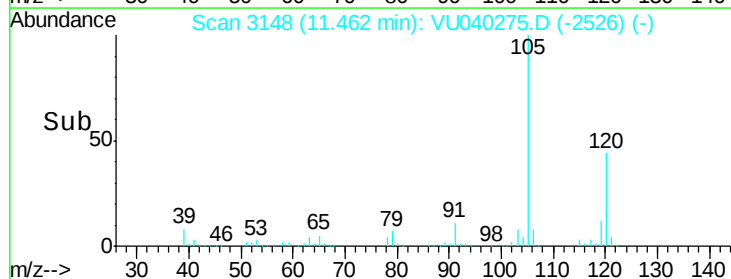
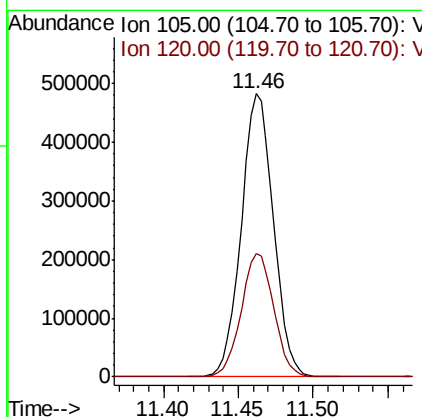
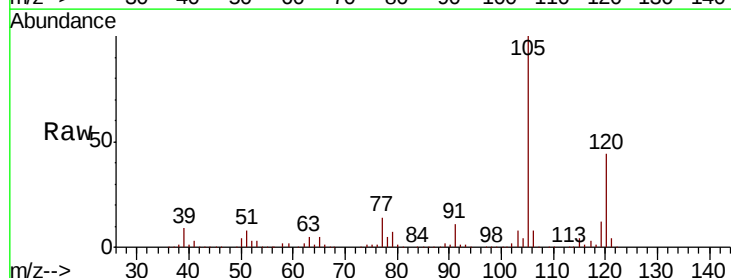
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

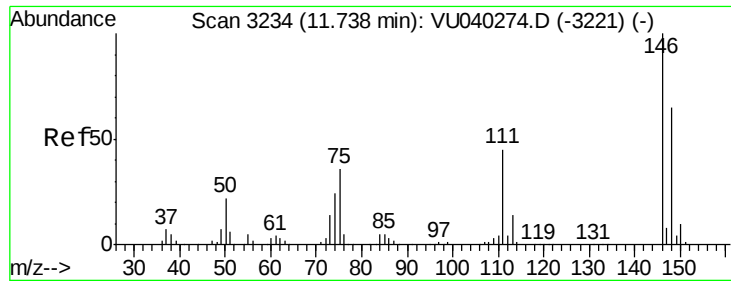
Tot Ion:105 Resp: 697942
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.638 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion:105 Resp: 720720
 Ion Ratio Lower Upper
 105 100
 120 44.2 36.0 54.0

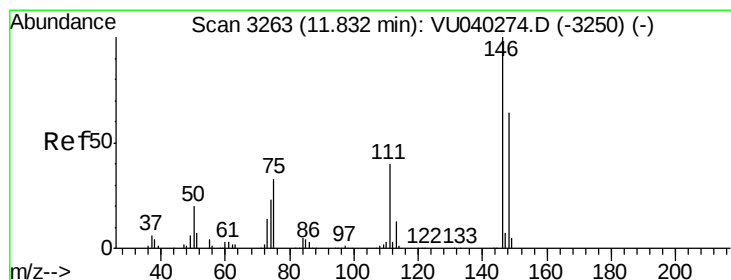
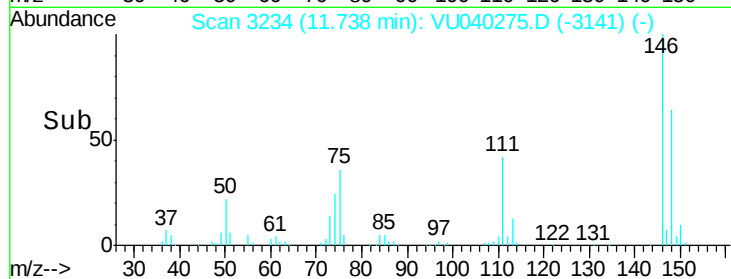
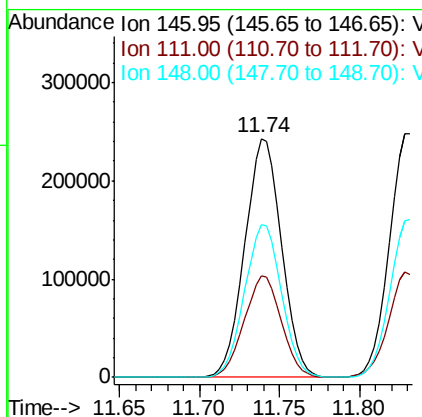
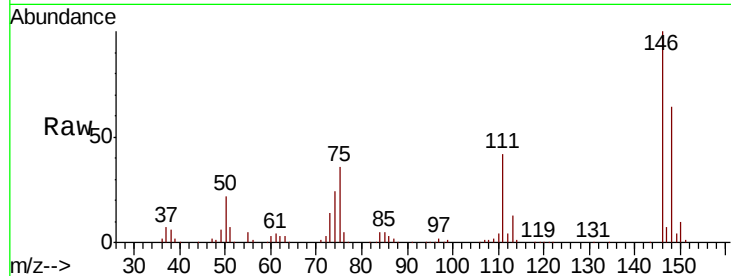




#64
 1,3-Dichlorobenzene
 Concen: 5.403 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

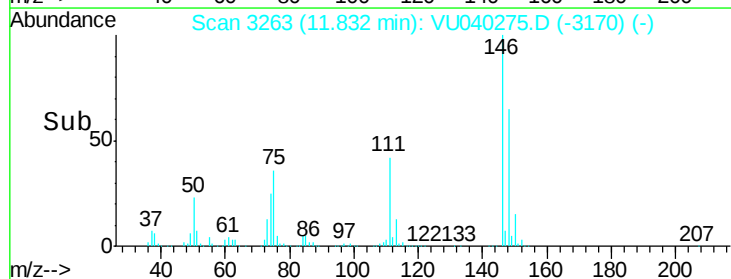
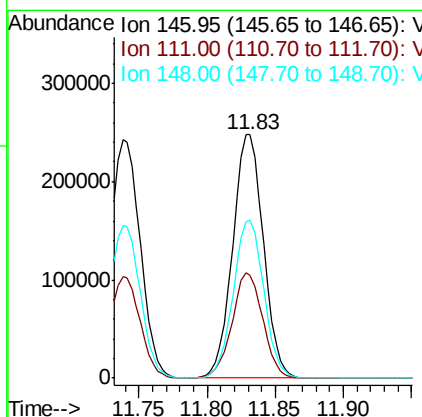
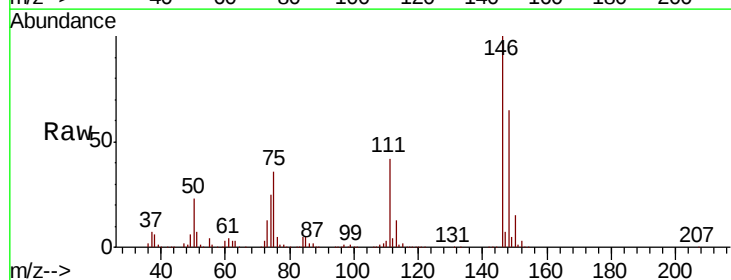
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

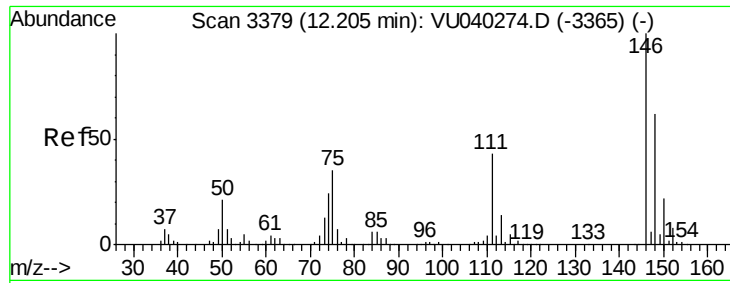
Tot Ion:146 Resp: 381519
 Ion Ratio Lower Upper
 146 100
 111 42.4 31.6 58.8
 148 63.7 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 5.450 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion:146 Resp: 387787
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.2 52.4
 148 65.0 45.2 84.0

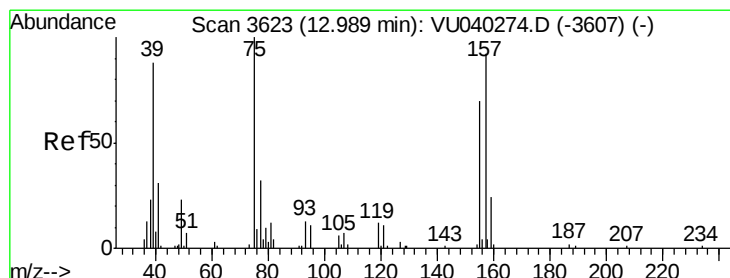
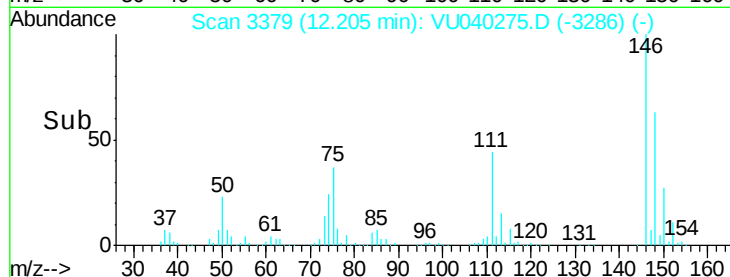
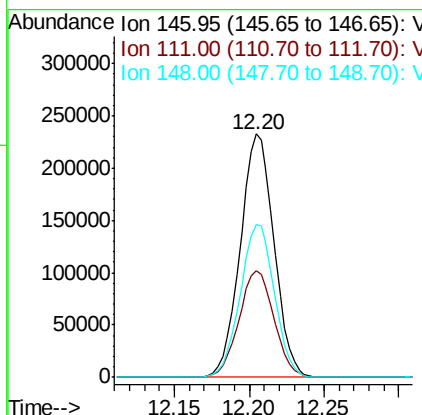
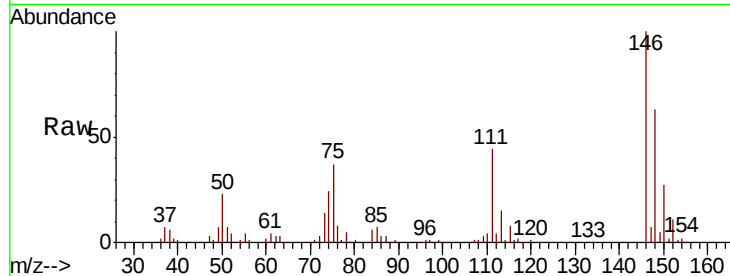




#67
 1,2-Dichlorobenzene
 Concen: 5.373 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

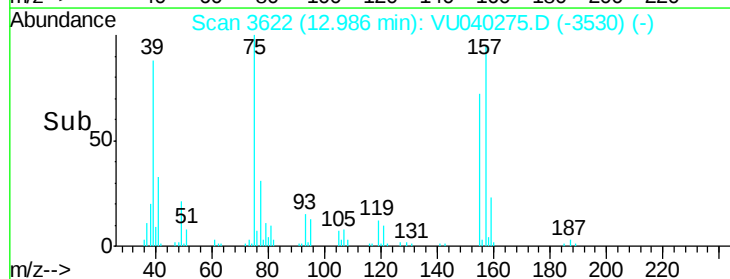
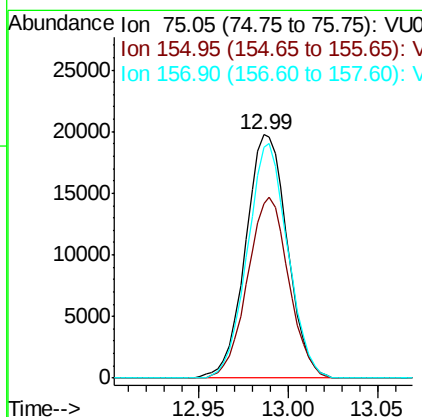
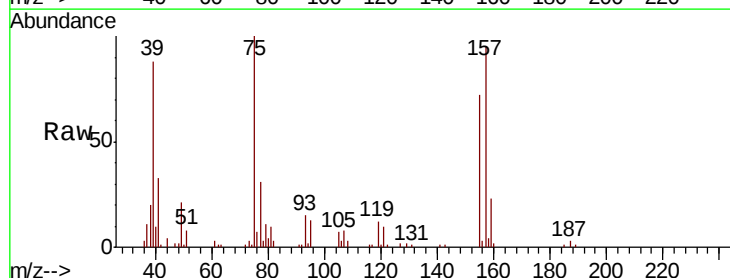
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

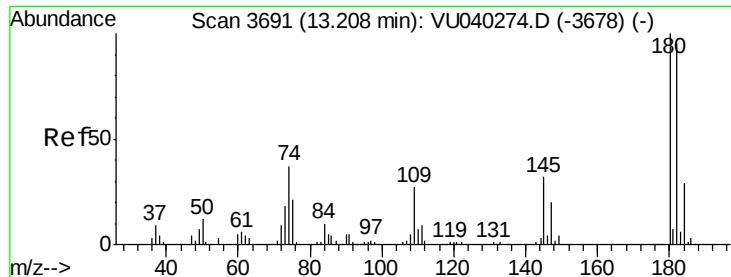
Tot Ion:146 Resp: 364904
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.2 51.4
 148 63.0 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 6.834 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion: 75 Resp: 32248
 Ion Ratio Lower Upper
 75 100
 155 71.8 56.3 84.5
 157 94.9 73.5 110.3

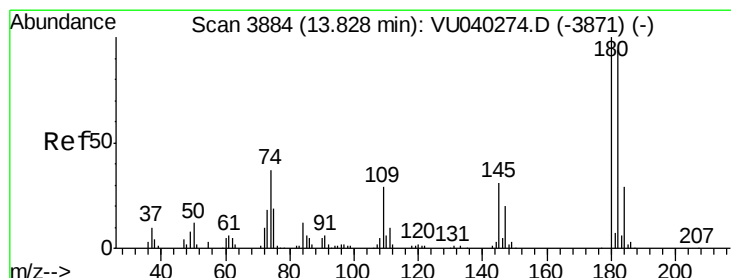
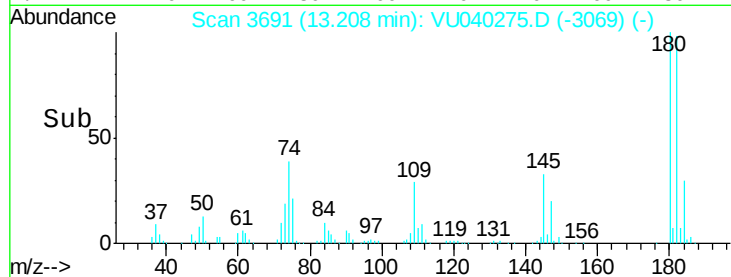
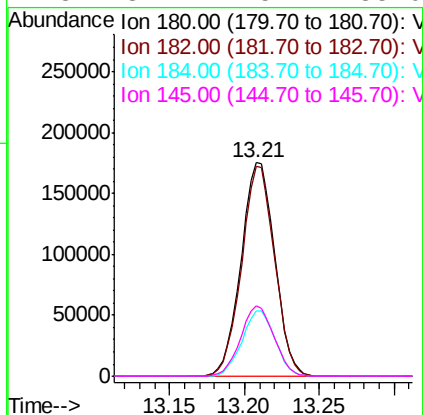
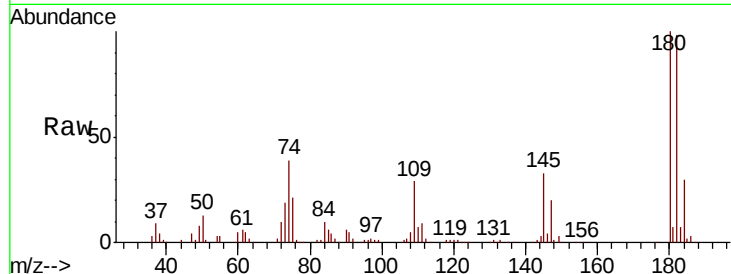




#69
 1,3,5-Trichlorobenzene
 Concen: 5.178 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

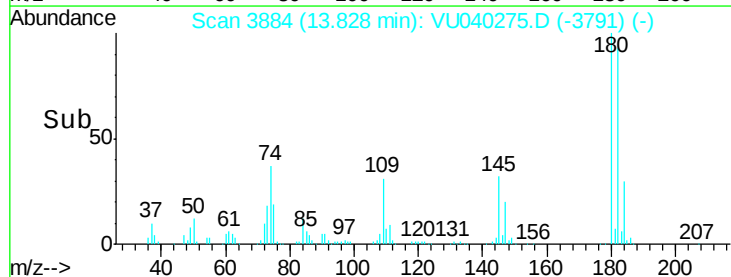
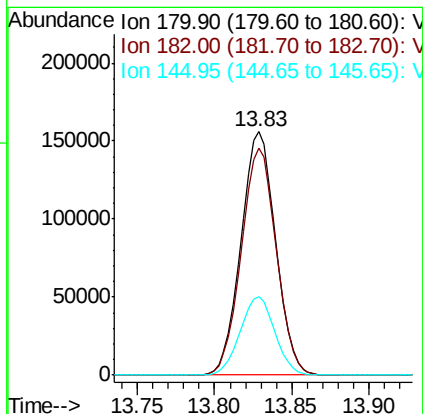
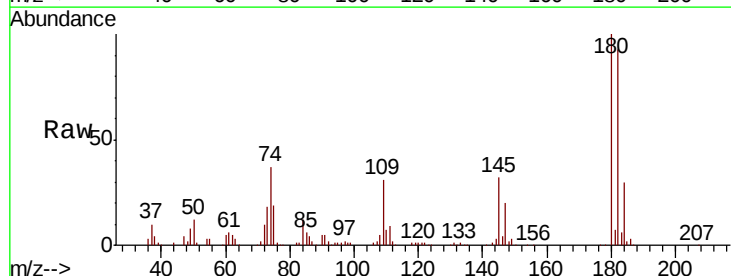
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

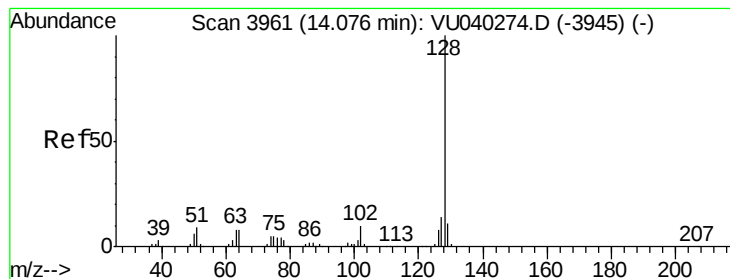
Tot Ion:	180	Resp:	274615
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
184	30.2	23.7	35.5
145	32.7	25.4	38.0



#70
 1,2,4-trichlorobenzene
 Concen: 6.153 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040275.D
 Acq: 24 Sep 2020 16:43

Tgt Ion:	180	Resp:	242880
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.3	114.5
145	32.2	25.9	38.9





#71

Naphthalene

Concen: 7.867 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

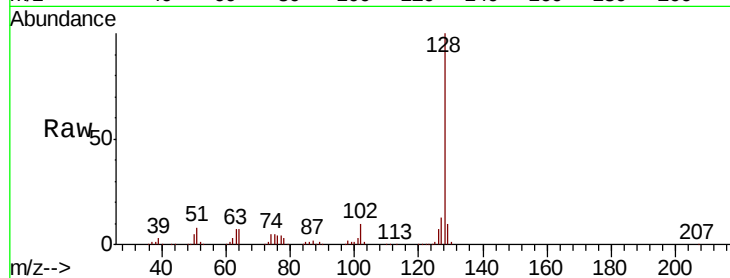
Tot Ion:128 Resp: 463334

Ion Ratio Lower Upper

128 100

129 10.4 8.4 12.6

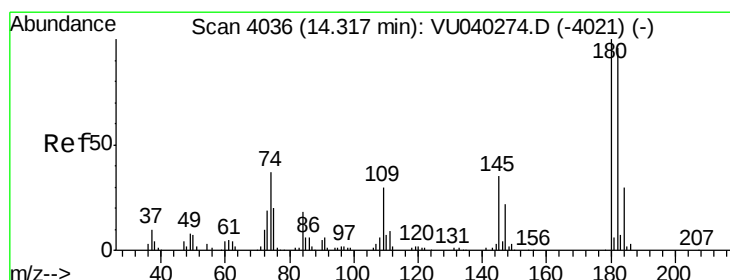
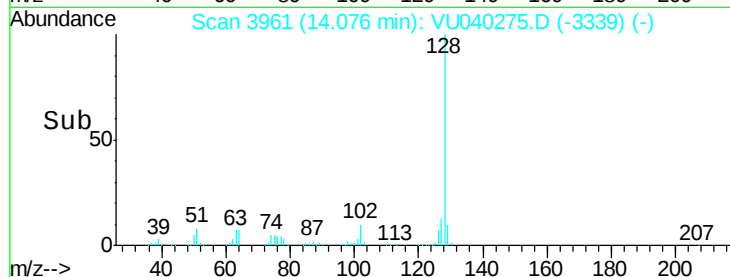
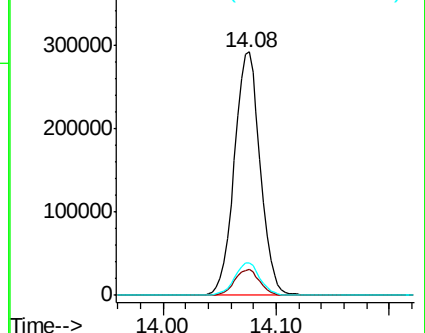
127 13.2 10.6 15.8



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



#72

1,2,3-Trichlorobenzene

Concen: 6.171 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040275.D

Acq: 24 Sep 2020 16:43

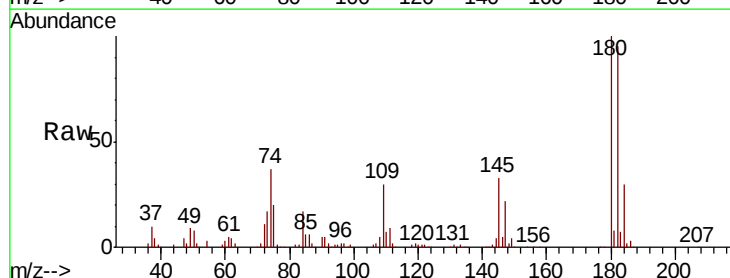
Tgt Ion:180 Resp: 219613

Ion Ratio Lower Upper

180 100

182 95.7 78.0 117.0

145 34.6 28.6 42.8



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

