

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040270.D
 Acq On : 24 Sep 2020 13:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Quant Time: Sep 25 09:42:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	420363	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	409553	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	211725	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	158651	45.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.76%
7) Chloroethane-d5	1.92	69	118576	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.58	63	316359	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.14%
21) 2-Butanone-d5	4.64	46	315810	106.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.63%
24) Chloroform-d	5.08	84	289618	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.72	65	202543	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.22%
32) Benzene-d6	5.74	84	549316	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
36) 1,2-Dichloropropane-d6	6.70	67	180452	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.90	98	503574	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	8.19	79	94463	47.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.64%
47) 2-Hexanone-d5	8.64	63	193767	111.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.39%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	267330	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
66) 1,2-Dichlorobenzene-d4	12.19	152	195215	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	146162	48.833	ug/L	99
3) Chloromethane	1.53	50	163941	45.246	ug/L	98
5) Vinyl chloride	1.61	62	168035	46.461	ug/L	99
6) Bromomethane	1.86	94	75953	40.653	ug/L	100
8) Chloroethane	1.94	64	107277	46.192	ug/L	98
9) Trichlorofluoromethane	2.15	101	236006	47.066	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	152279	47.706	ug/L	99
12) 1,1-Dichloroethene	2.59	96	138424	46.433	ug/L	95
13) Acetone	2.64	43	335796	106.697	ug/L	98
14) Carbon disulfide	2.81	76	442397	46.629	ug/L	100
15) Methyl Acetate	2.96	43	238685	50.588	ug/L	99
16) Methylene chloride	3.06	84	162632	46.036	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	144863	46.969	ug/L	99
18) Methyl tert-butyl Ether	3.38	73	487144	48.008	ug/L	99
19) 1,1-Dichloroethane	3.89	63	301936	46.698	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	161555	47.869	ug/L	98
22) 2-Butanone	4.72	43	404032	108.212	ug/L	99

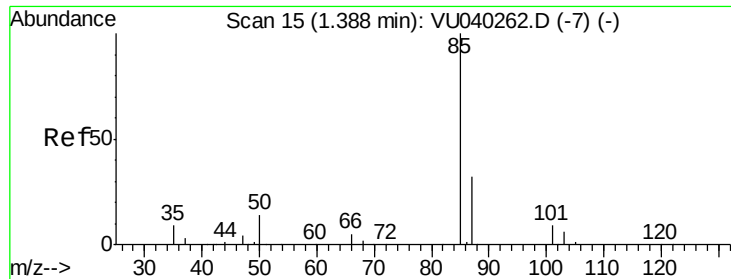
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040270.D
 Acq On : 24 Sep 2020 13:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Quant Time: Sep 25 09:42:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	80936	45.736	ug/L	99
25) Chloroform	5.10	83	302134	46.256	ug/L	98
27) 1,2-Dichloroethane	5.81	62	251064	45.446	ug/L	99
29) Cyclohexane	5.40	56	278092	49.122	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	253975	47.322	ug/L	99
31) Carbon tetrachloride	5.54	117	220455	47.521	ug/L	99
33) Benzene	5.79	78	643775	47.587	ug/L	100
34) Trichloroethene	6.55	95	163816	47.275	ug/L	98
35) Methylcyclohexane	6.77	83	265965	49.940	ug/L	99
37) 1,2-Dichloropropane	6.80	63	178555	46.920	ug/L	100
38) Bromodichloromethane	7.11	83	224294	46.459	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	265908	48.481	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	633290	102.470	ug/L	99
42) Toluene	7.98	91	664169	48.549	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	262315	47.291	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	155714	47.117	ug/L	98
46) Tetrachloroethene	8.56	164	117157	48.261	ug/L	97
48) 2-Hexanone	8.69	43	536651	108.431	ug/L	99
49) Dibromochloromethane	8.81	129	169509	46.792	ug/L	99
50) 1,2-Dibromoethane	8.93	107	167136	47.117	ug/L	99
51) Chlorobenzene	9.45	112	416516	46.171	ug/L	100
52) Ethylbenzene	9.57	91	744743	48.877	ug/L	98
53) m,p-Xylene	9.69	106	276191	49.862	ug/L	99
54) o-xylene	10.10	106	264829	48.946	ug/L	95
55) Styrene	10.11	104	460153	49.704	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	272282	46.836	ug/L	99
59) Bromoform	10.29	173	120730	46.688	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	232922	46.477	ug/L	98
61) Isopropylbenzene	10.48	105	706427	48.169	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	595398	49.697	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	616755	50.794	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	332220	47.877	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	335875	46.586	ug/L	100
67) 1,2-Dichlorobenzene	12.20	146	325865	47.152	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	72505	51.318	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	230569	50.986	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	202000	51.729	ug/L	99
71) Naphthalene	14.08	128	678283	56.105	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	199318	51.751	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 48.833 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

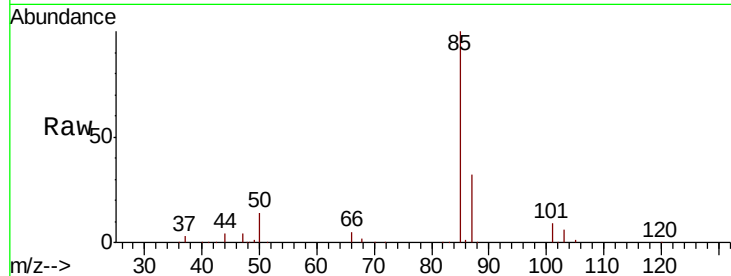
VSTD050208

Tot Ion: 85 Resp: 146162

Ion Ratio Lower Upper

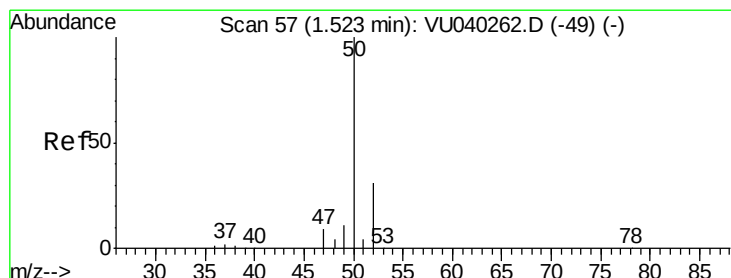
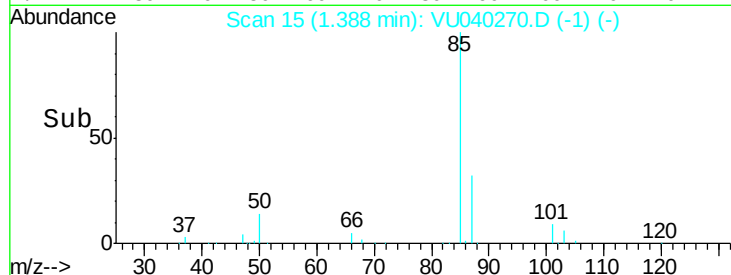
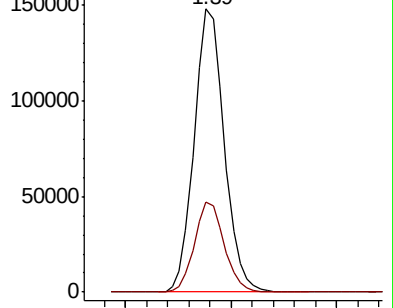
85 100

87 31.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU040270.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040270.D (-1) (-)



#3

Chloromethane

Concen: 45.246 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040270.D

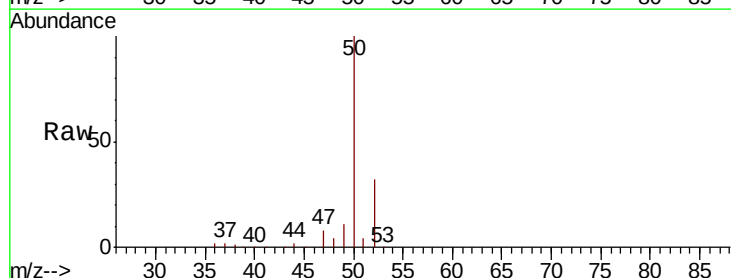
Acq: 24 Sep 2020 13:59

Tgt Ion: 50 Resp: 163941

Ion Ratio Lower Upper

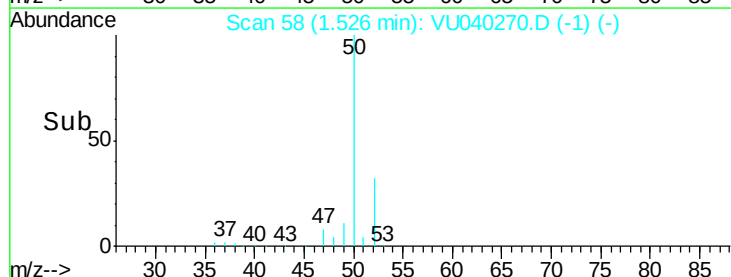
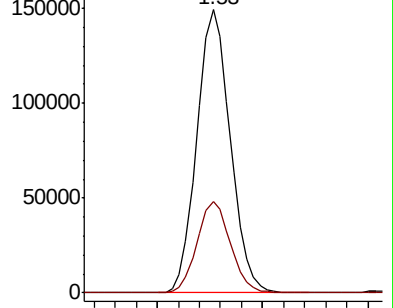
50 100

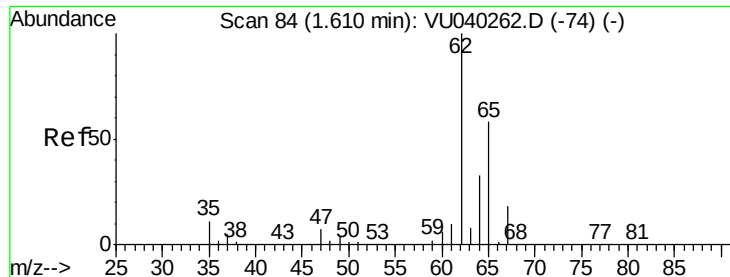
52 32.2 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VU040270.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040270.D (-1) (-)





#5

Vinyl chloride

Concen: 46.461 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

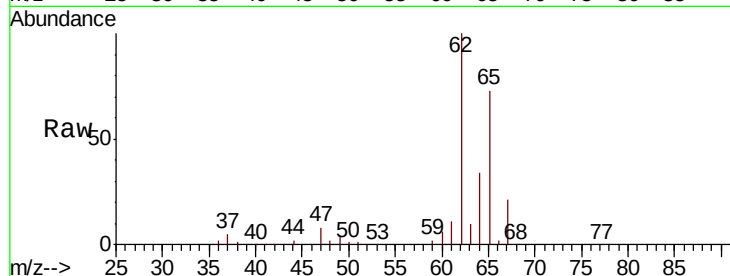
VSTD050208

Tot Ion: 62 Resp: 168035

Ion Ratio Lower Upper

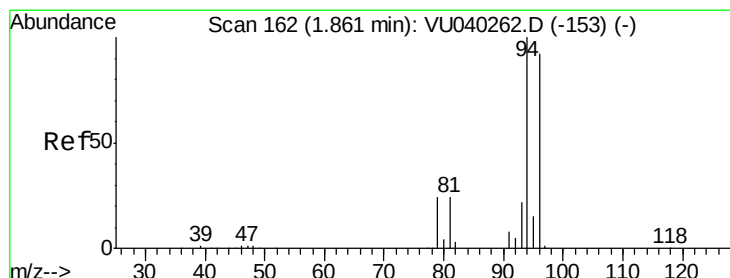
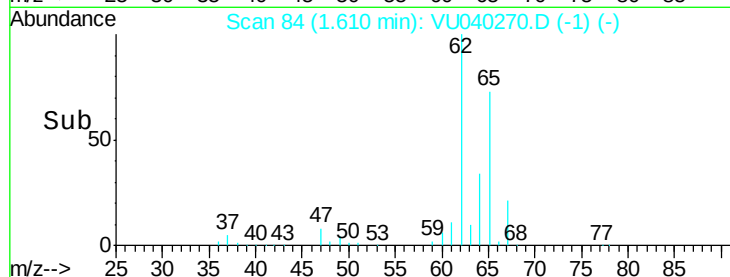
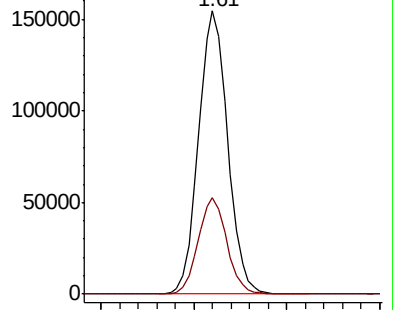
62 100

64 33.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU040270.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040270.D (-1) (-)



#6

Bromomethane

Concen: 40.653 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040270.D

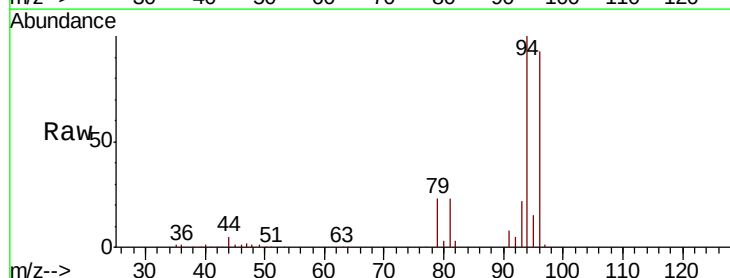
Acq: 24 Sep 2020 13:59

Tgt Ion: 94 Resp: 75953

Ion Ratio Lower Upper

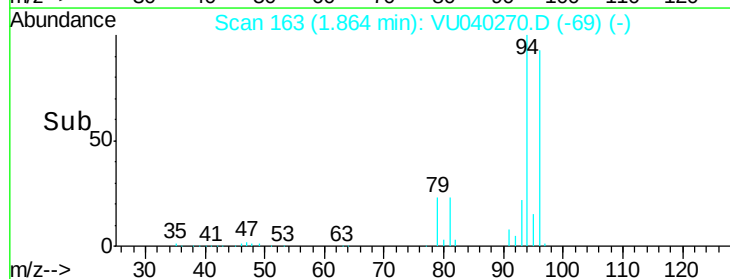
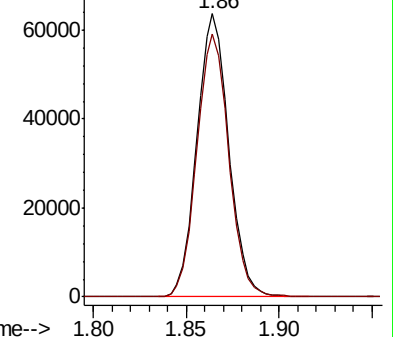
94 100

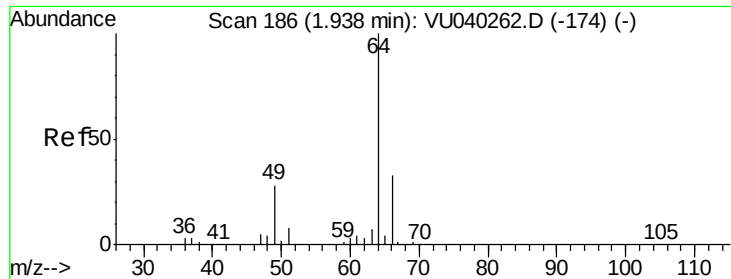
96 92.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU040270.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU040270.D (-69) (-)





#8

Chloroethane

Concen: 46.192 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

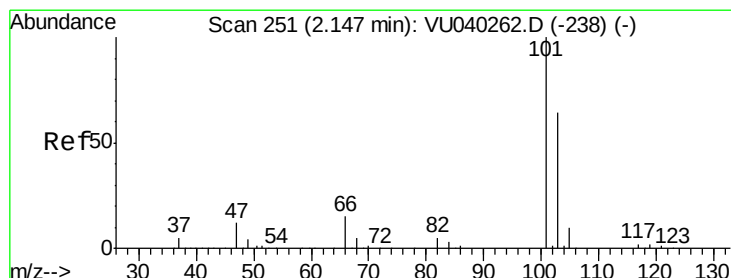
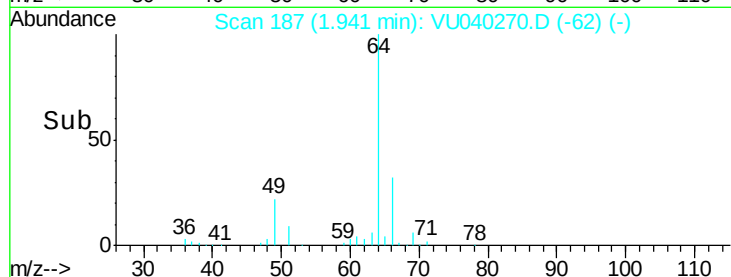
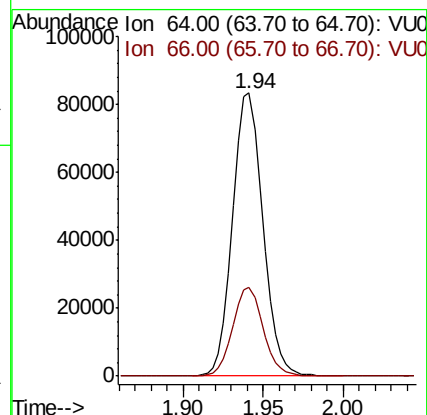
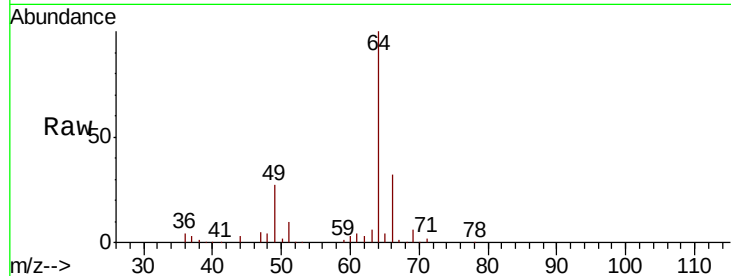
VSTD050208

Tot Ion: 64 Resp: 107277

Ion Ratio Lower Upper

64 100

66 31.5 22.8 42.4



#9

Trichlorofluoromethane

Concen: 47.066 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040270.D

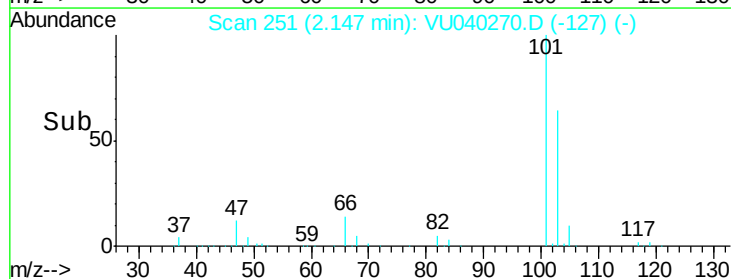
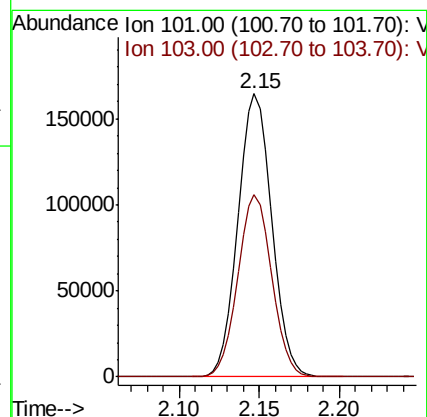
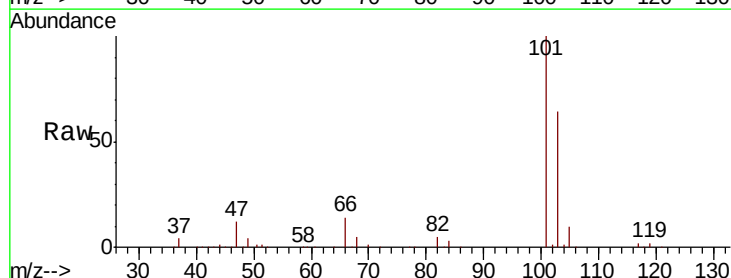
Acq: 24 Sep 2020 13:59

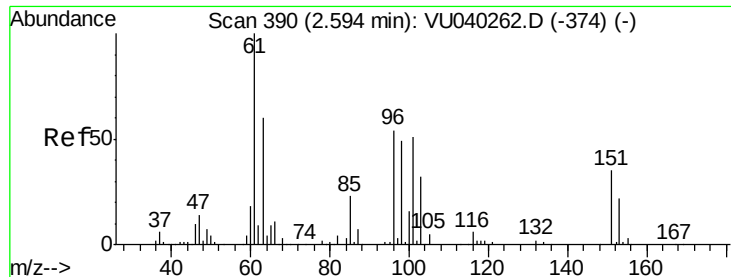
Tgt Ion: 101 Resp: 236006

Ion Ratio Lower Upper

101 100

103 64.4 50.9 76.3





#10

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

Concen: 47.706 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

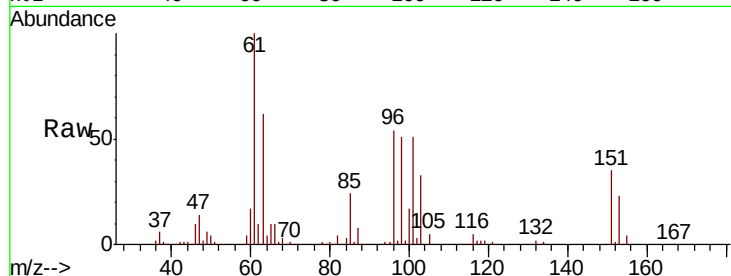
Tot Ion:101 Resp: 152279

Ion Ratio Lower Upper

101 100

85 45.6 36.0 54.0

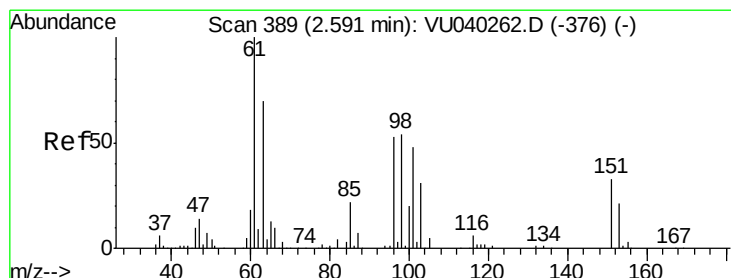
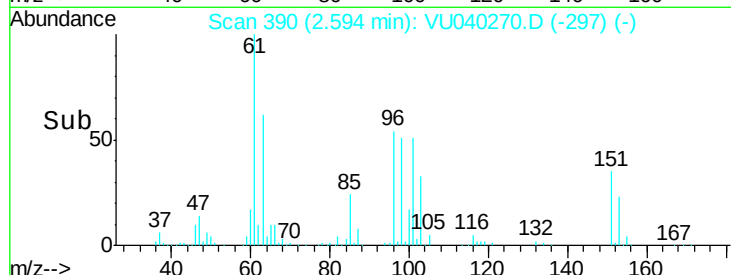
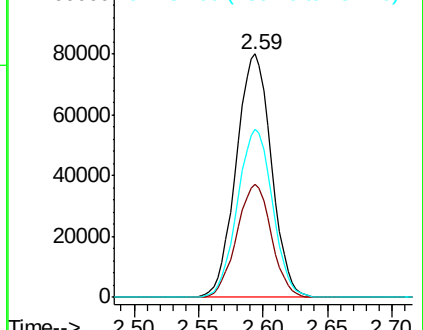
151 69.0 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.433 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

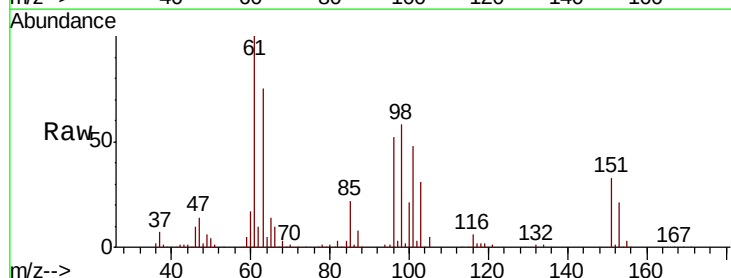
Tgt Ion: 96 Resp: 138424

Ion Ratio Lower Upper

96 100

61 191.7 131.8 244.8

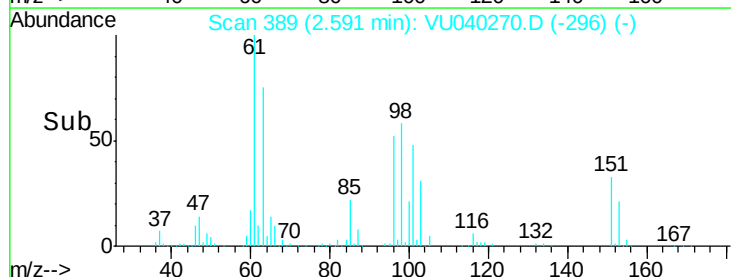
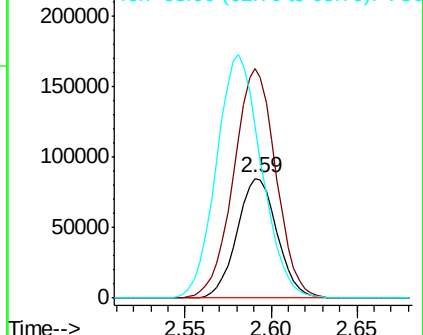
63 144.0 94.1 174.7

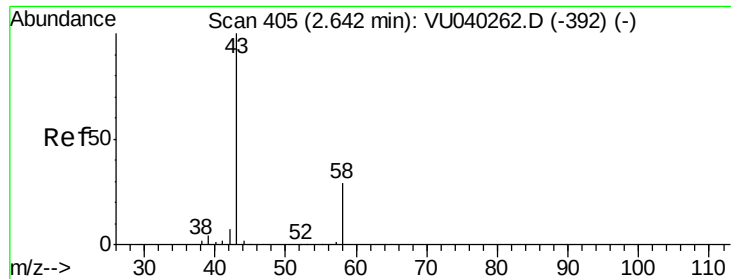


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 106.697 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

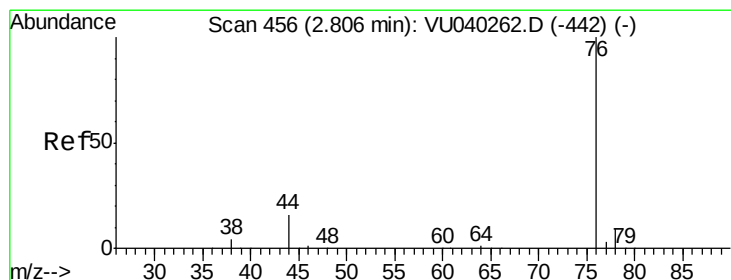
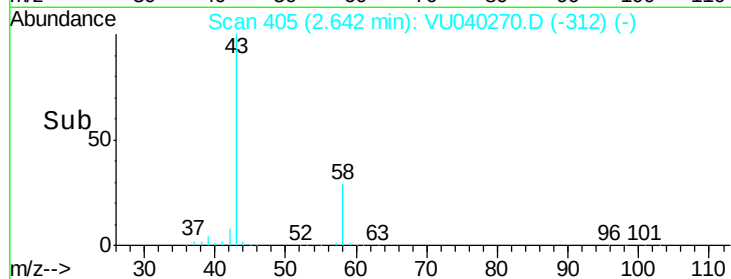
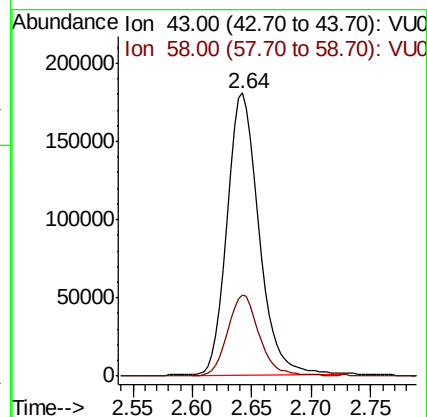
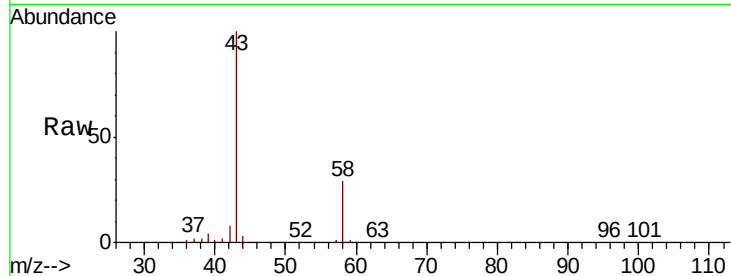
VSTD050208

Tot Ion: 43 Resp: 335796

Ion Ratio Lower Upper

43 100

58 28.1 0.0 58.2



#14

Carbon disulfide

Concen: 46.629 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040270.D

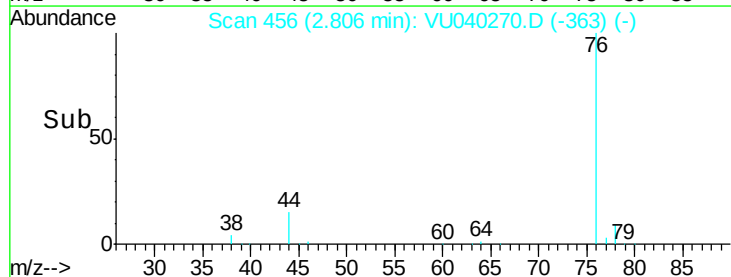
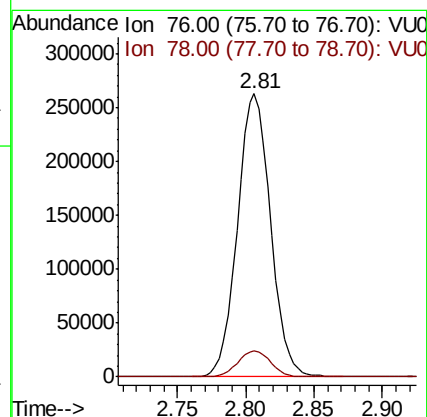
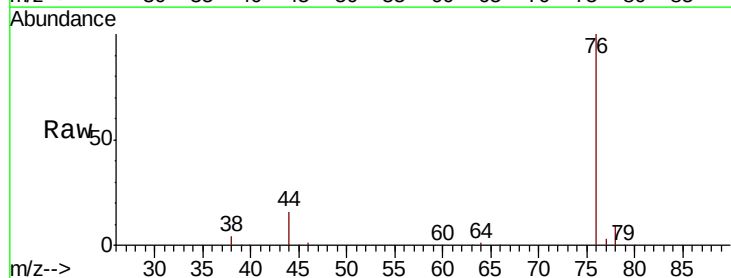
Acq: 24 Sep 2020 13:59

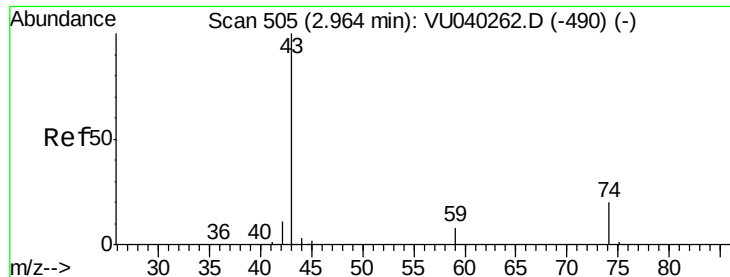
Tgt Ion: 76 Resp: 442397

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

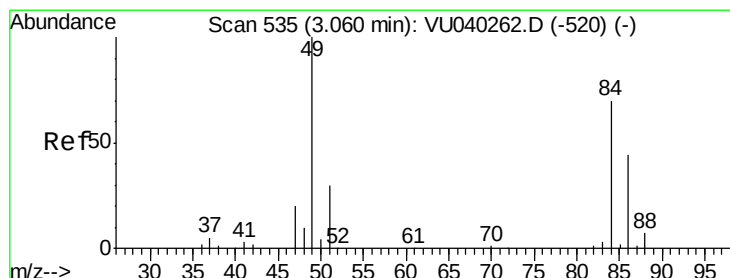
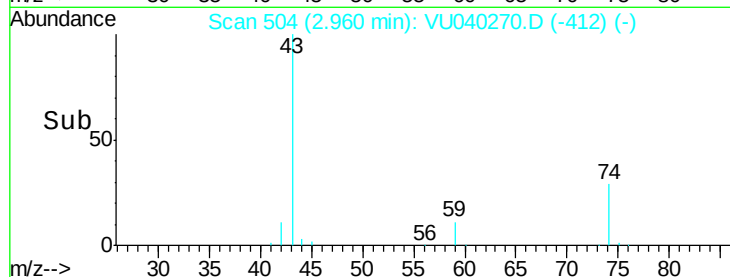
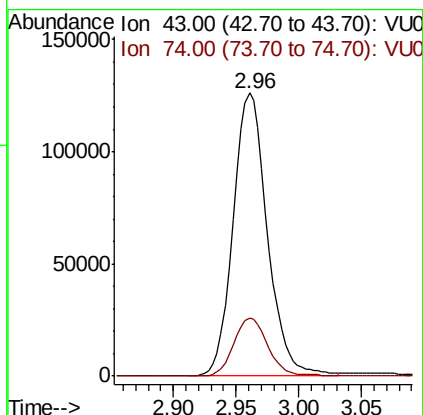
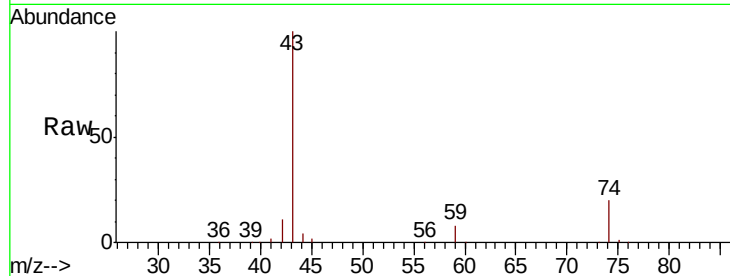




#15
Methvl Acetate
Concen: 50.588 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

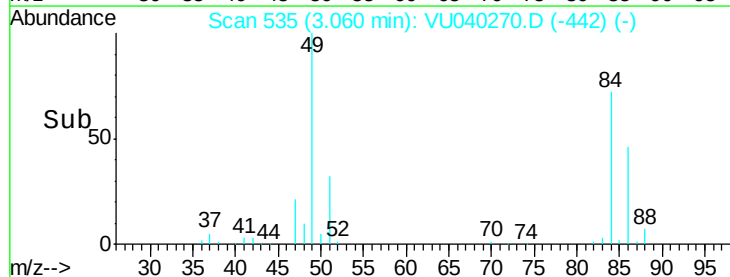
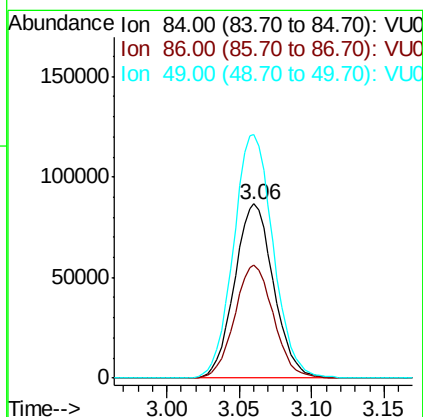
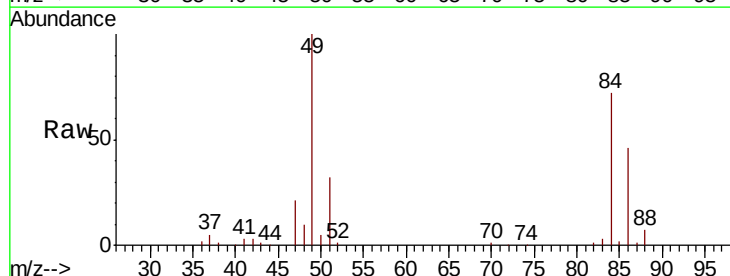
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

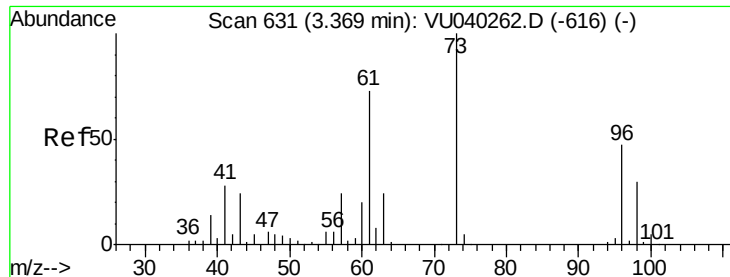
Tot Ion: 43 Resp: 238685
Ion Ratio Lower Upper
43 100
74 20.7 16.2 24.4



#16
Methylene chloride
Concen: 46.036 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion: 84 Resp: 162632
Ion Ratio Lower Upper
84 100
86 64.8 43.9 81.5
49 139.8 99.7 185.1

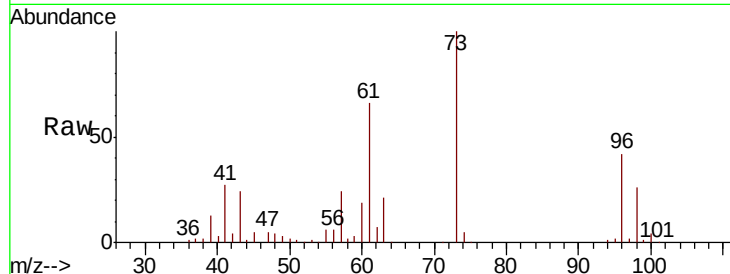




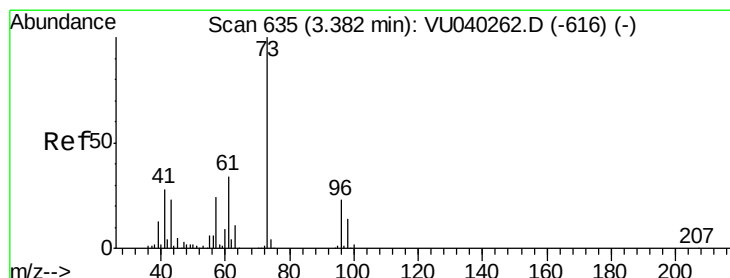
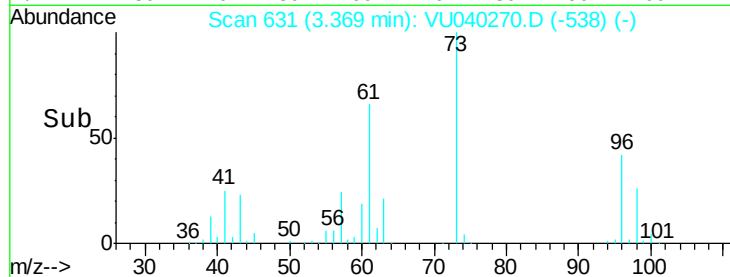
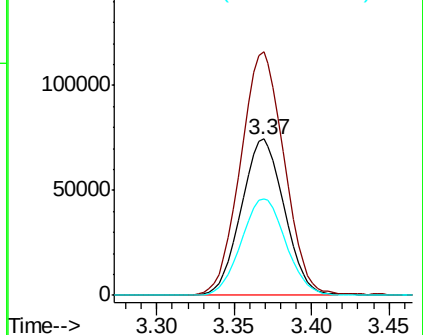
#17
trans-1,2-Dichloroethene
Concen: 46.969 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

Tot Ion: 96 Resp: 144863
Ion Ratio Lower Upper
96 100
61 155.9 108.1 200.9
98 62.0 44.2 82.0

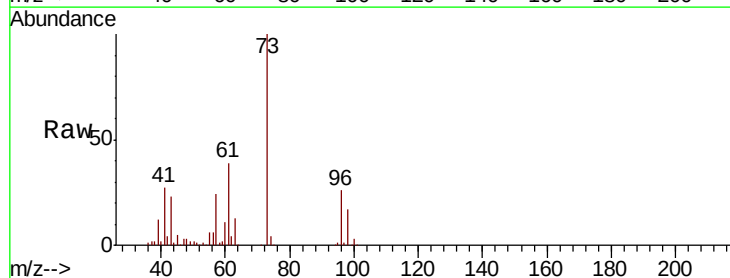


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

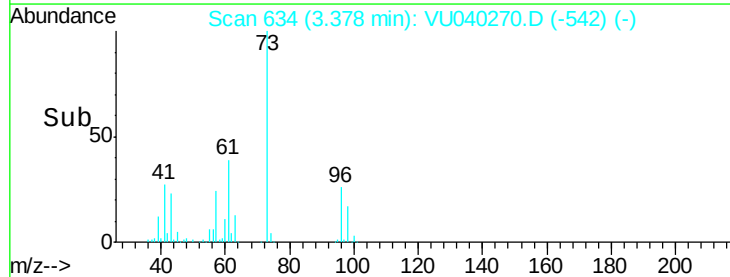
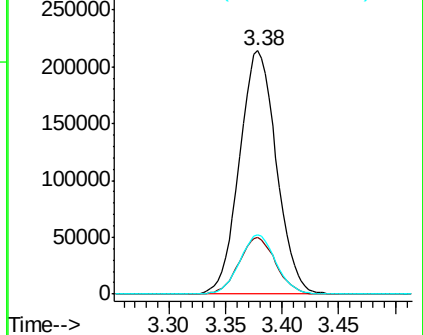


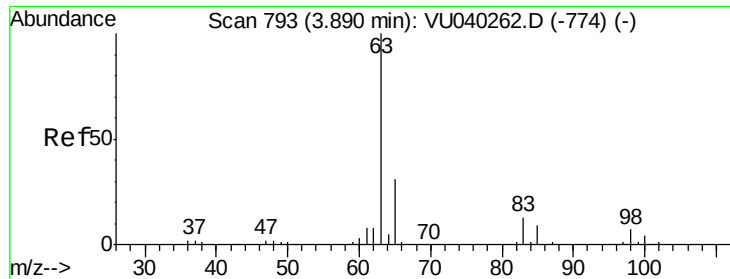
#18
Methyl tert-butyl Ether
Concen: 48.008 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion: 73 Resp: 487144
Ion Ratio Lower Upper
73 100
43 23.0 18.5 27.7
57 24.0 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

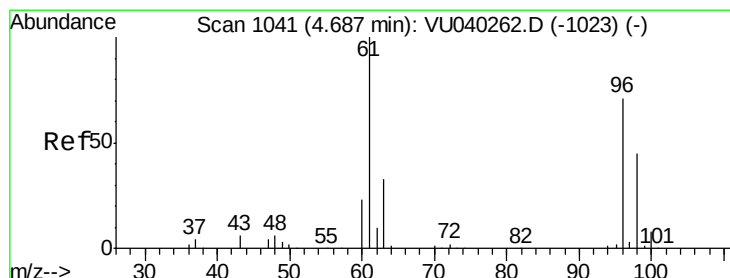
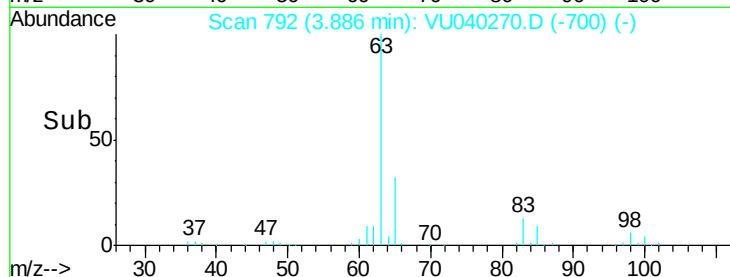
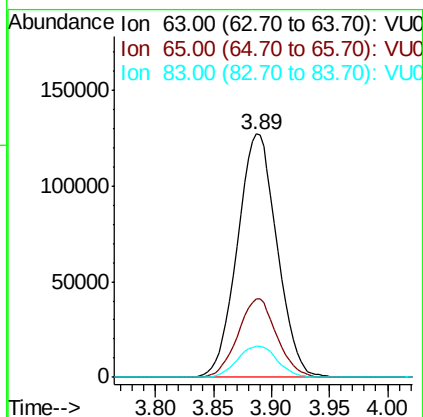
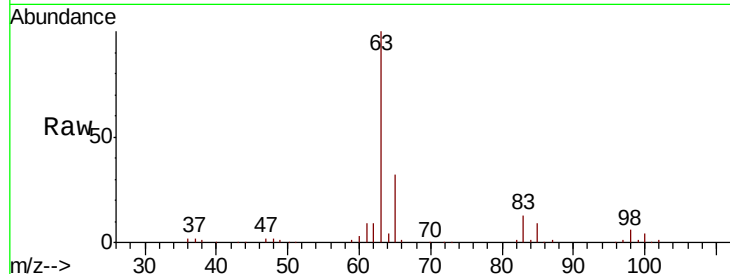




#19
 1,1-Dichloroethane
 Concen: 46.698 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

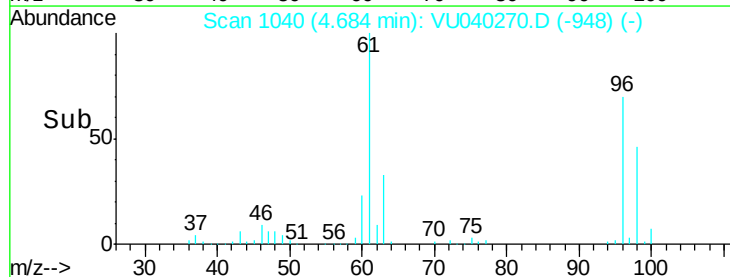
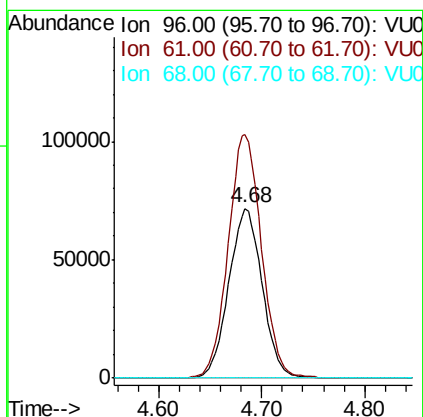
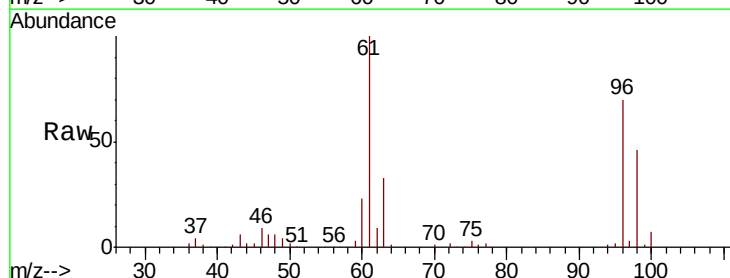
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

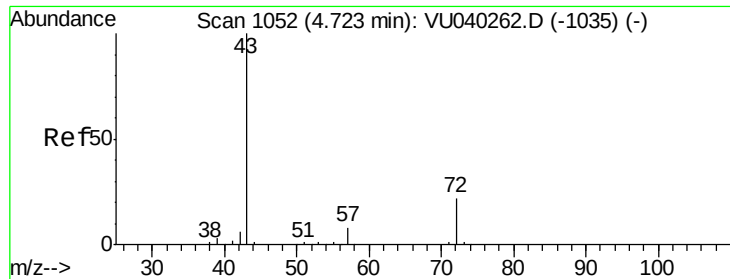
Tot Ion: 63 Resp: 301936
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 40.8
 83 12.9 8.9 16.5



#20
 cis-1,2-Dichloroethene
 Concen: 47.869 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 96 Resp: 161555
 Ion Ratio Lower Upper
 96 100
 61 143.7 98.6 183.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.212 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

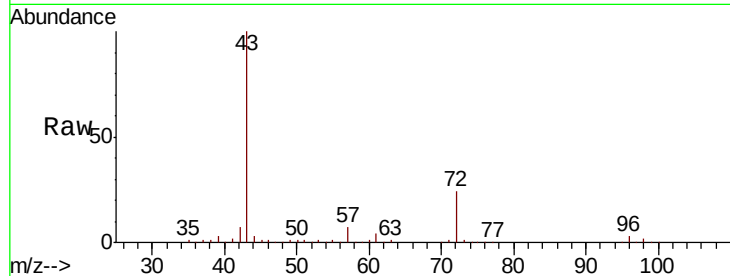
VSTD050208

Tot Ion: 43 Resp: 404032

Ion Ratio Lower Upper

43 100

72 23.4 11.5 34.4



Abundance Ion 43.00 (42.70 to 43.70): VU040270.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU040270.D (-959) (-)

4.72

150000

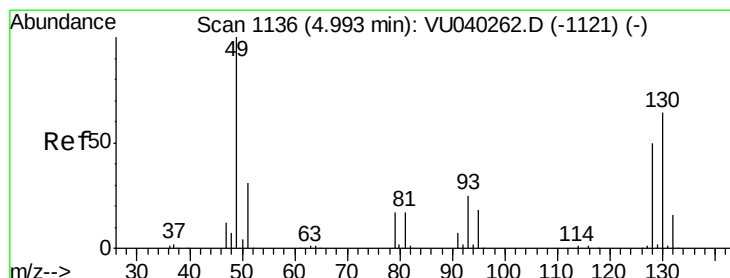
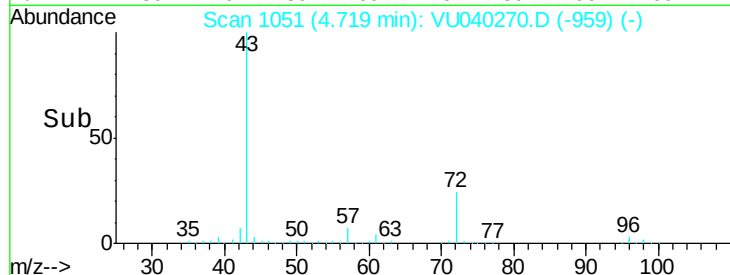
100000

50000

0

Time-->

4.60 4.70 4.80



#23

Bromochloromethane

Concen: 45.736 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Tgt Ion: 128 Resp: 80936

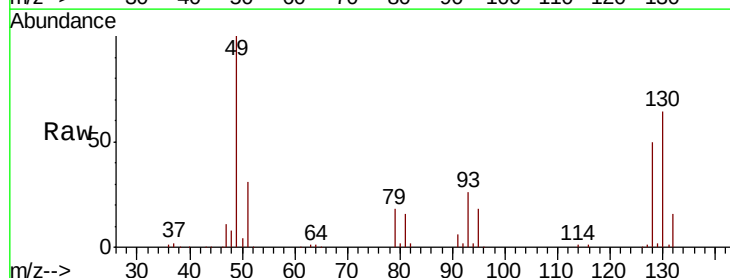
Ion Ratio Lower Upper

128 100

49 198.6 140.8 261.4

130 126.9 89.2 165.6

51 61.5 50.2 75.4



Abundance Ion 128.00 (127.70 to 128.70): VU040270.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040270.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040270.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040270.D (-1043) (-)

4.99

100000

80000

60000

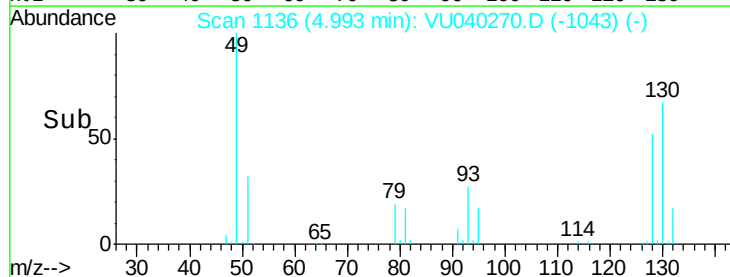
40000

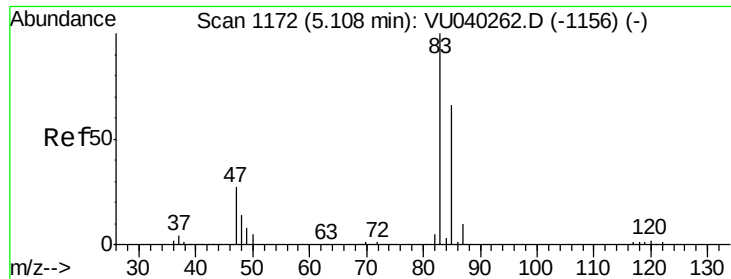
20000

0

Time-->

4.90 4.95 5.00 5.05

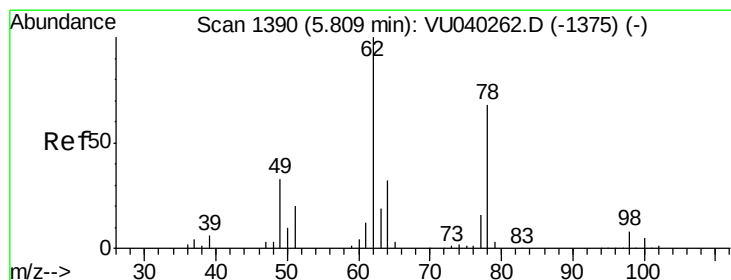
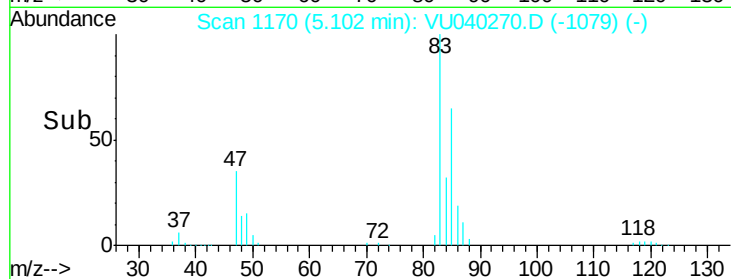
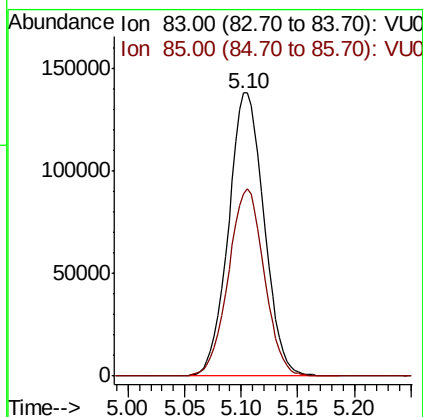
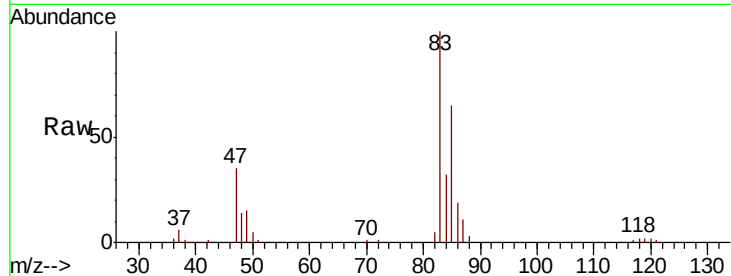




#25
Chloroform
Concen: 46.256 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

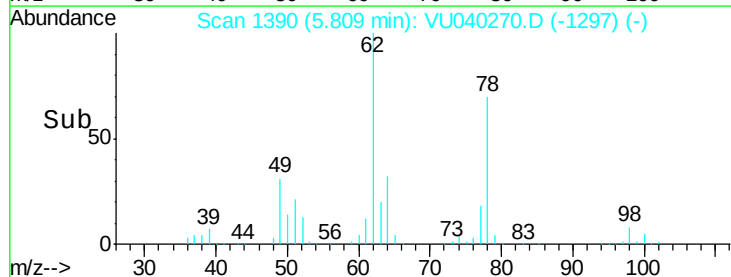
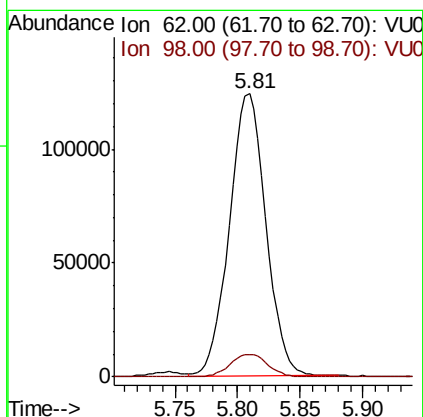
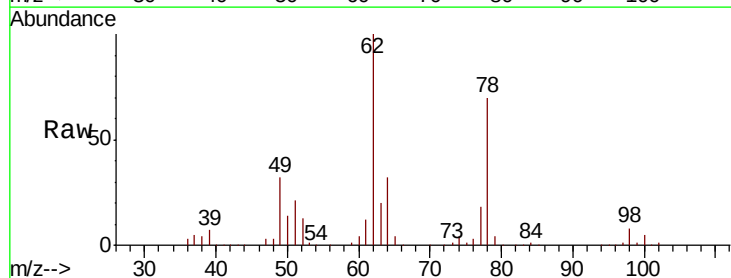
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

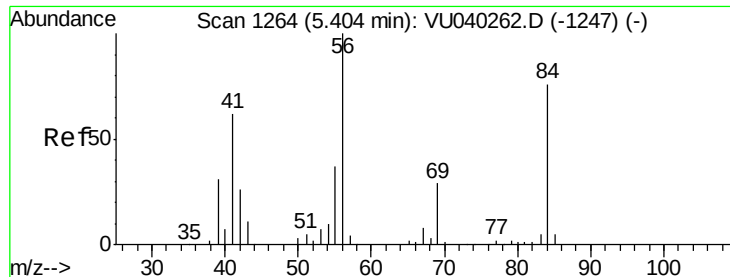
Tot Ion: 83 Resp: 302134
Ion Ratio Lower Upper
83 100
85 64.6 46.4 86.2



#27
1,2-Dichloroethane
Concen: 45.446 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion: 62 Resp: 251064
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7

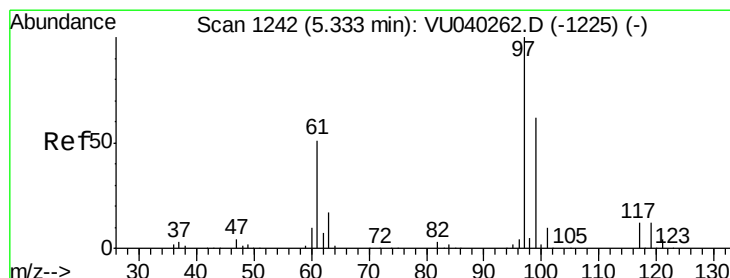
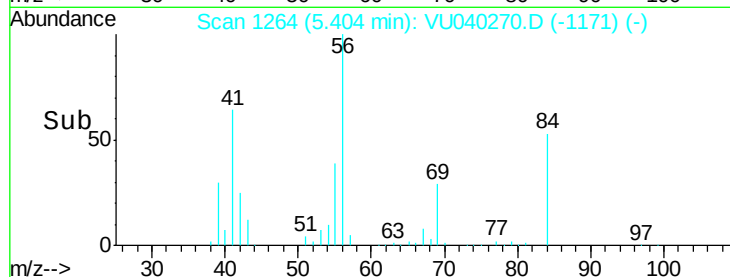
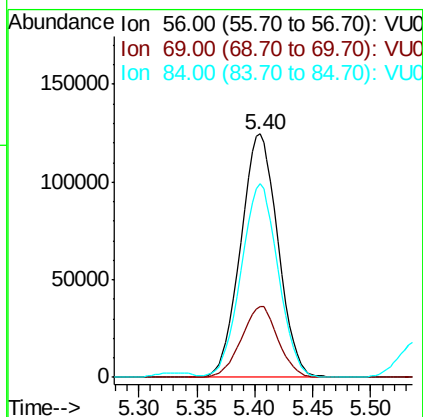
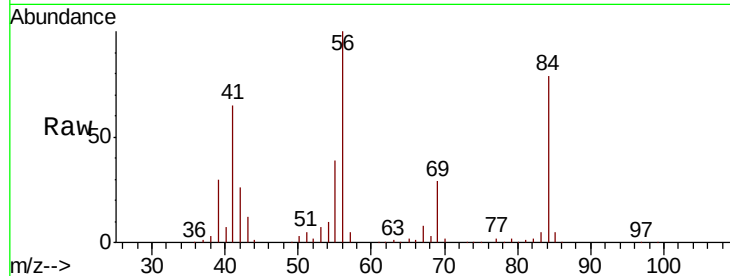




#29
Cyclohexane
Concen: 49.122 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

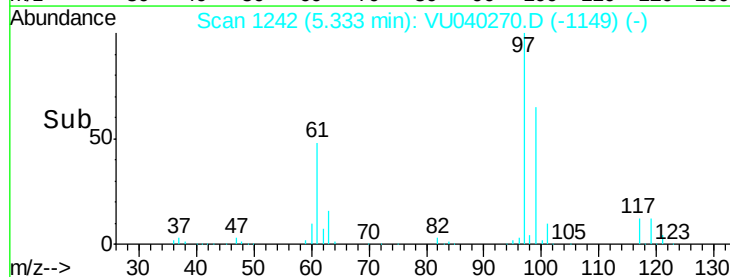
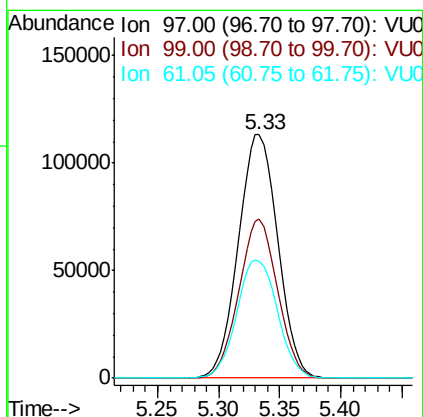
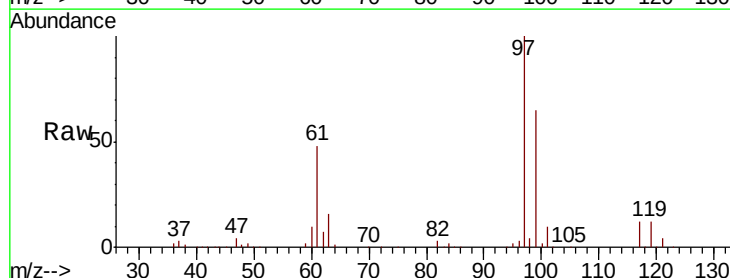
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

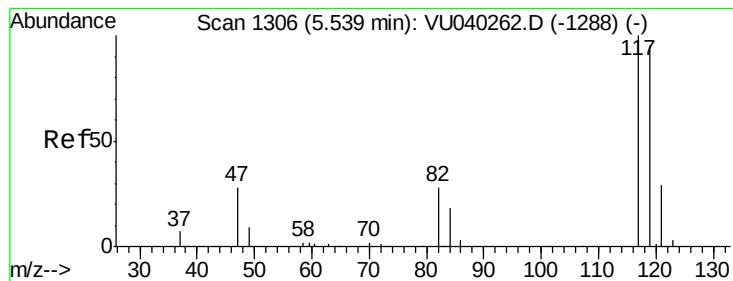
Tot Ion: 56 Resp: 278092
Ion Ratio Lower Upper
56 100
69 28.7 22.6 33.8
84 79.2 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 47.322 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion: 97 Resp: 253975
Ion Ratio Lower Upper
97 100
99 64.0 50.8 76.2
61 50.0 40.2 60.4





#31

Carbon tetrachloride

Concen: 47.521 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

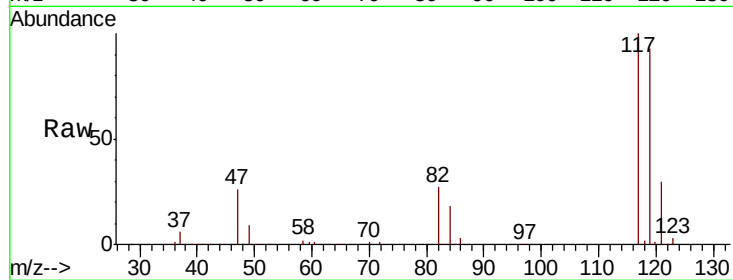
VSTD050208

Tot Ion:117 Resp: 220455

Ion Ratio Lower Upper

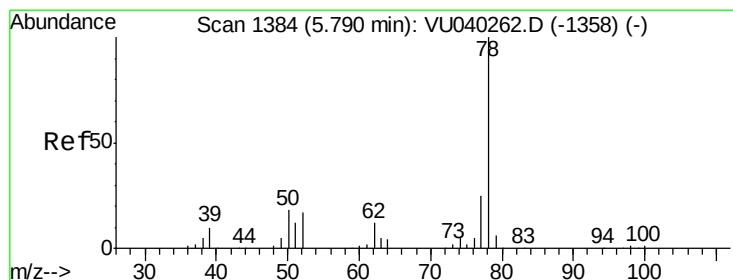
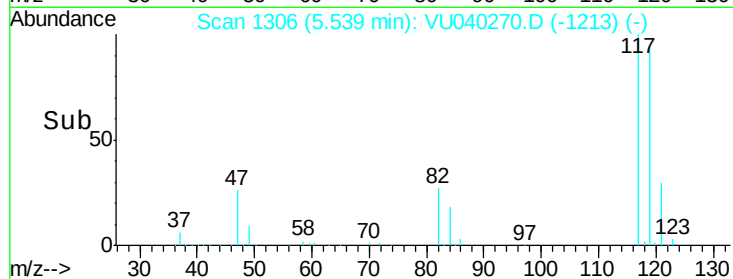
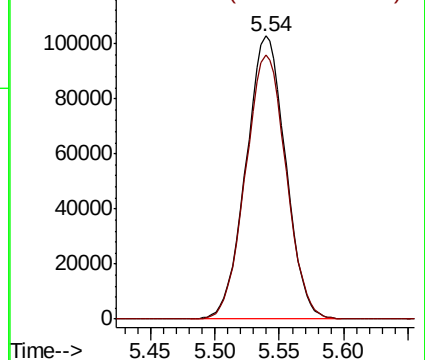
117 100

119 95.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.587 ug/L

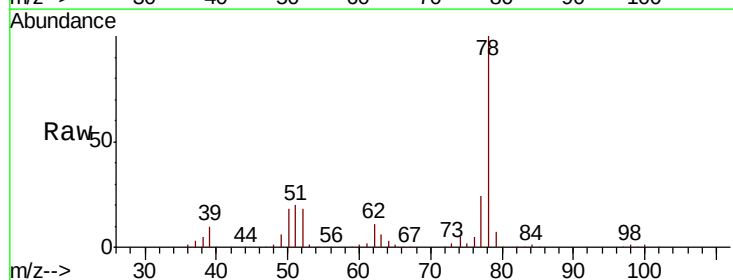
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

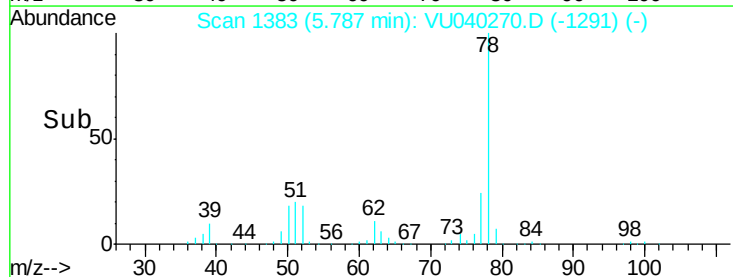
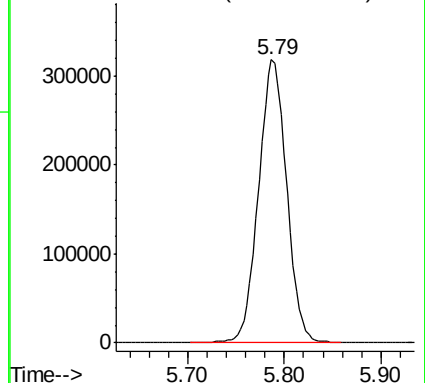
Lab File: VU040270.D

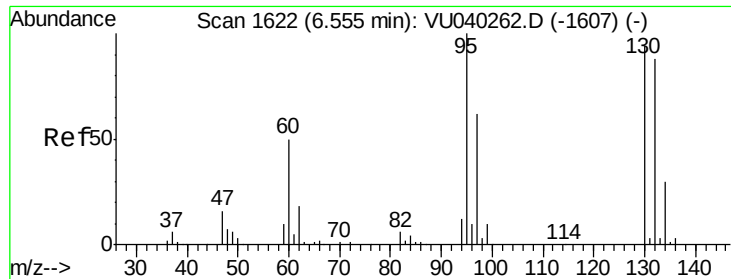
Acq: 24 Sep 2020 13:59

Tgt Ion: 78 Resp: 643775



Abundance Ion 78.00 (77.70 to 78.70): VU0

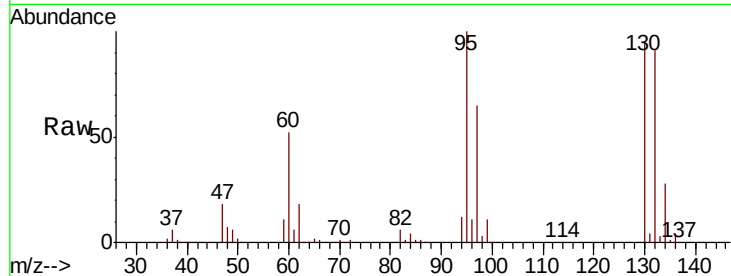




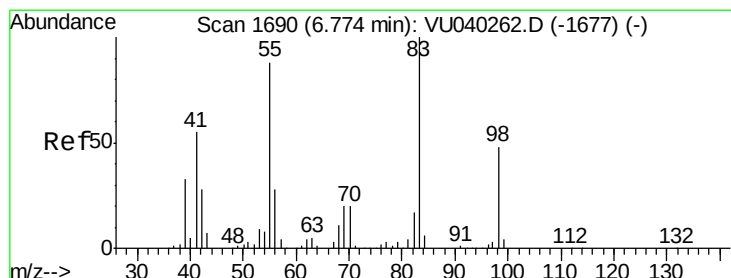
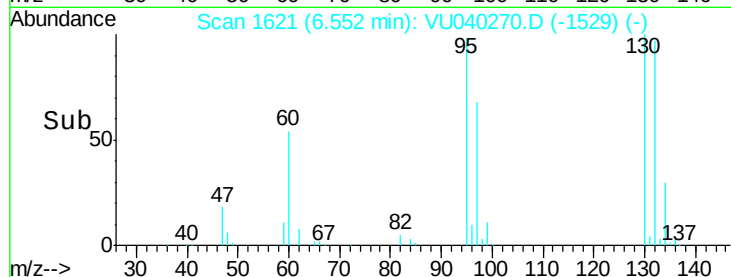
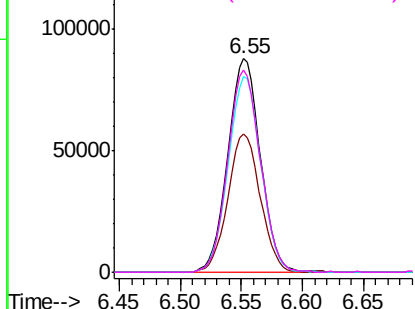
#34
 Trichloroethene
 Concen: 47.275 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Tot Ion: 95 Resp: 163816
 Ion Ratio Lower Upper
 95 100
 97 64.8 43.8 81.3
 132 91.5 61.7 114.7
 130 94.7 65.9 122.5

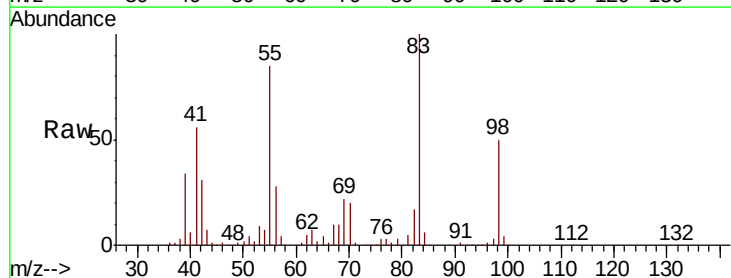


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

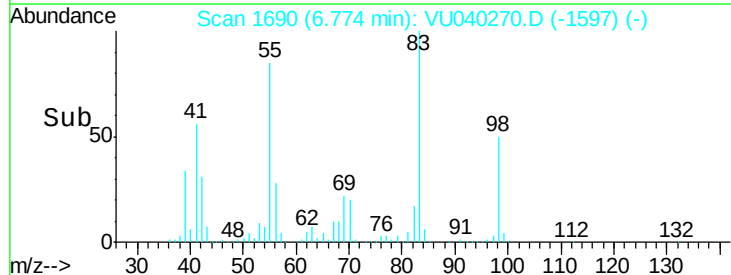
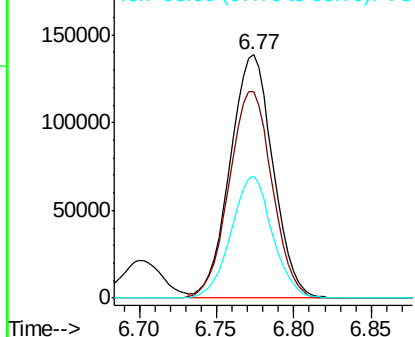


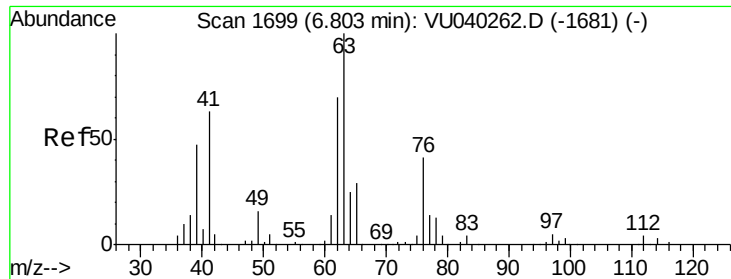
#35
 Methylcyclohexane
 Concen: 49.940 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 83 Resp: 265965
 Ion Ratio Lower Upper
 83 100
 55 85.8 69.4 104.0
 98 48.5 38.7 58.1



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

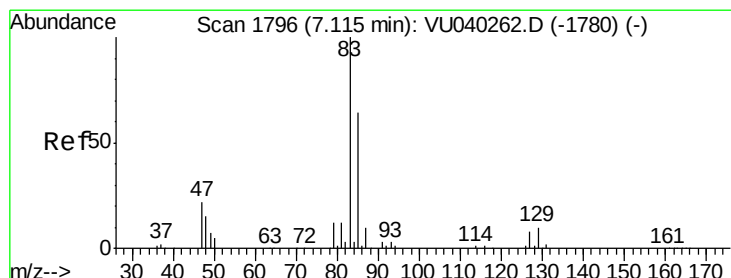
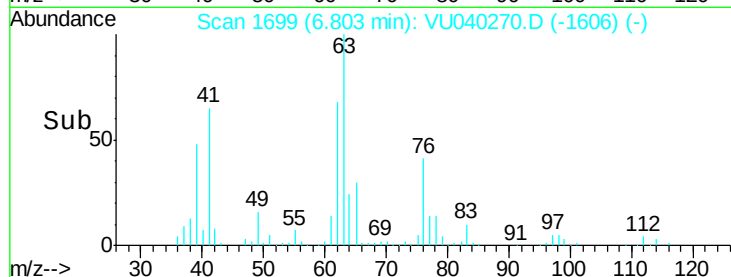
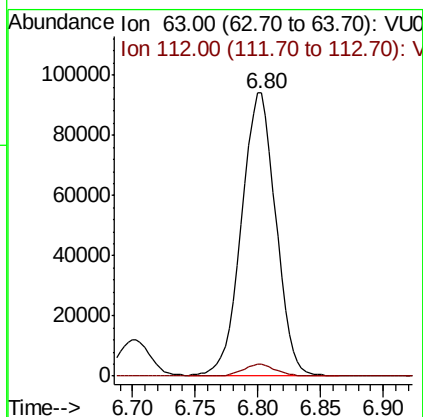
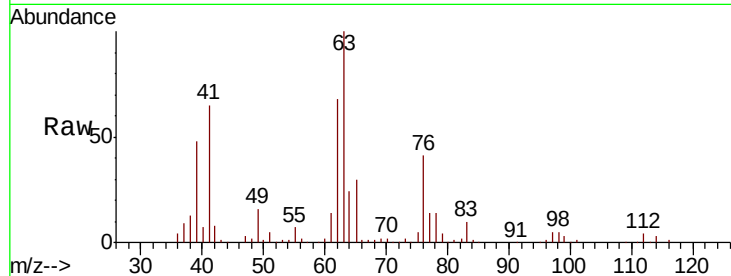




#37
 1,2-Dichloropropane
 Concen: 46.920 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

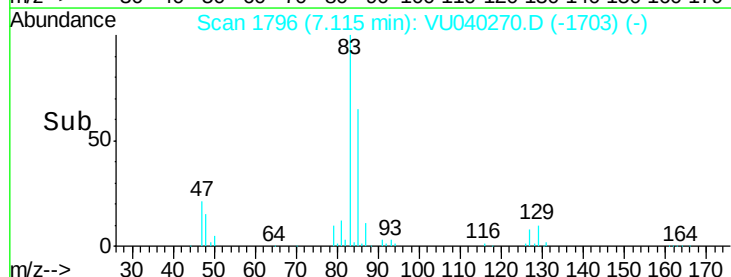
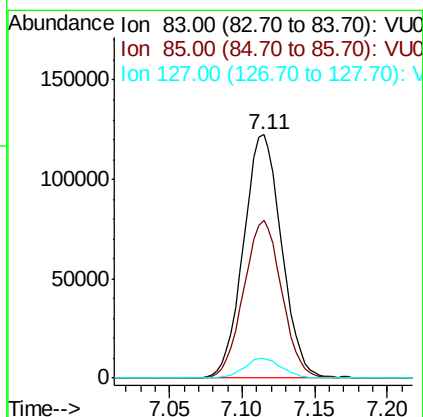
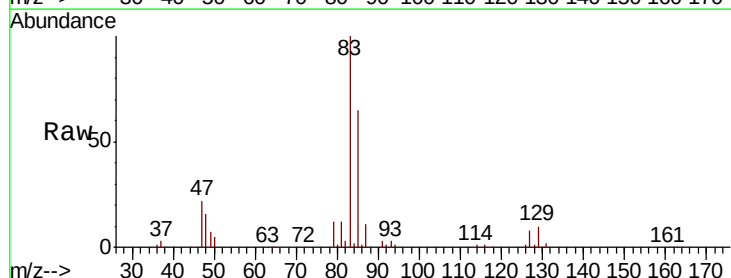
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

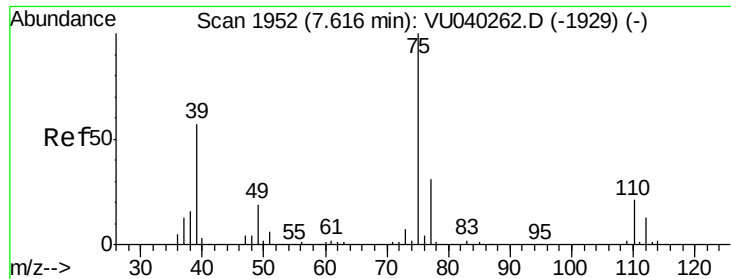
Tot Ion: 63 Resp: 178555
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 46.459 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 83 Resp: 224294
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.9 83.5
 127 8.1 6.4 9.6

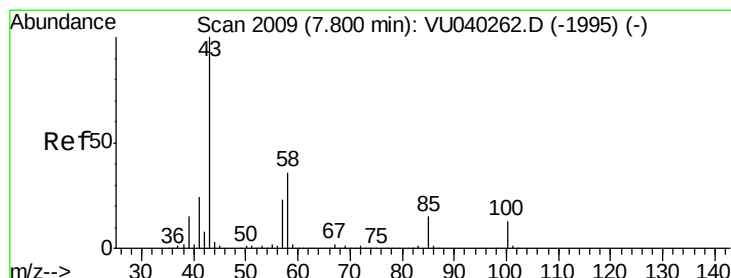
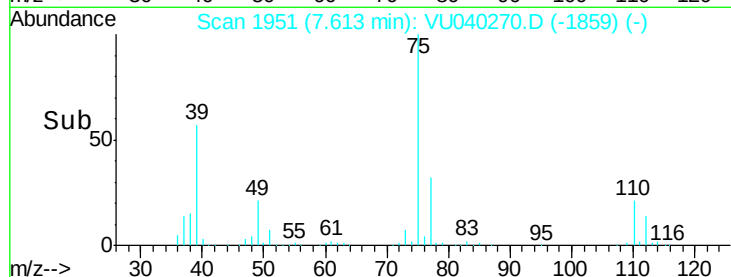
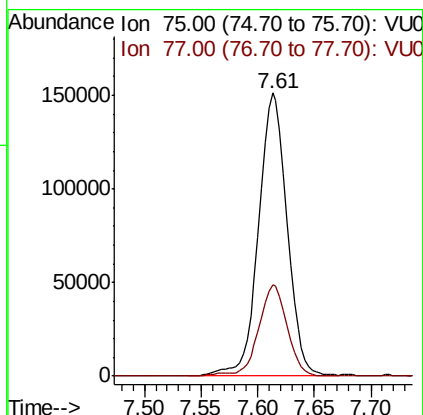
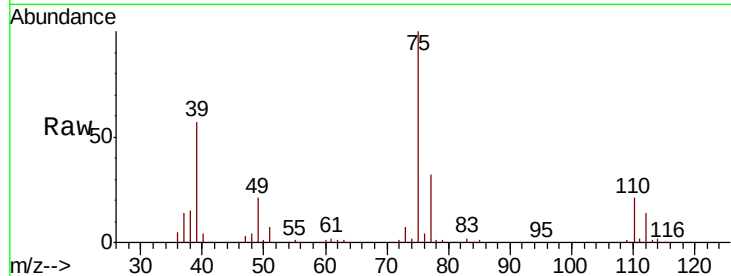




#39
 cis-1,3-Dichloropropene
 Concen: 48.481 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

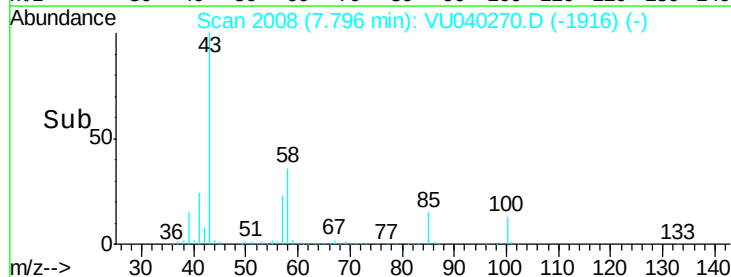
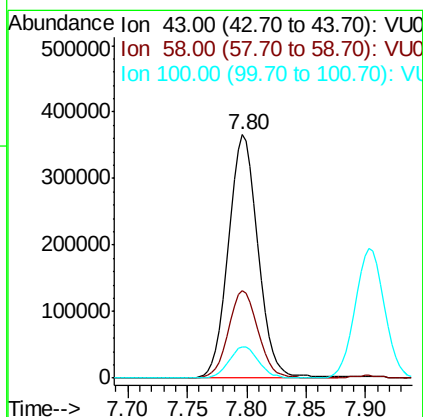
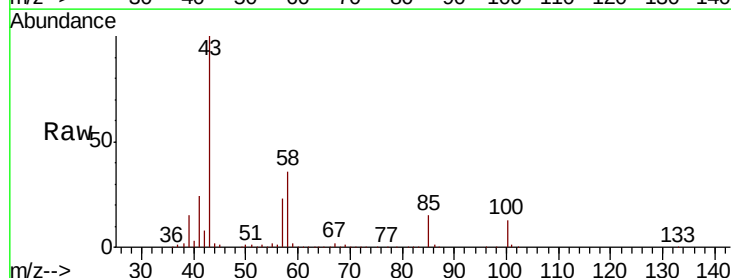
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

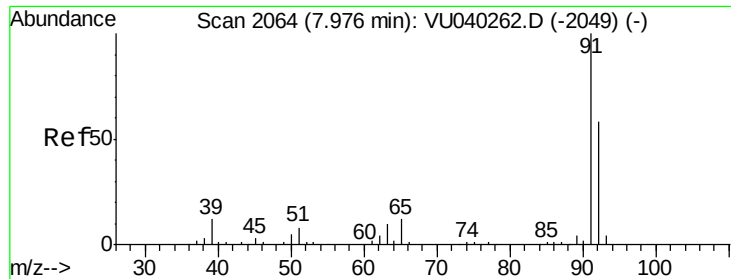
Tot Ion: 75 Resp: 265908
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 102.470 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 43 Resp: 633290
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.5 42.7
 100 12.9 10.0 15.0





#42

Toluene

Concen: 48.549 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

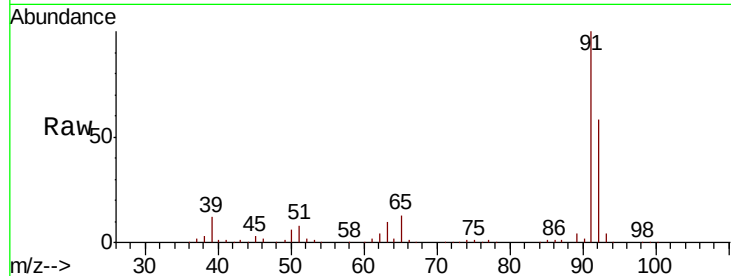
VSTD050208

Tot Ion: 91 Resp: 664169

Ion Ratio Lower Upper

91 100

92 58.2 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU040262.D (-2049) (-)

Ion 92.00 (91.70 to 92.70): VU040262.D (-2049) (-)

7.98

400000

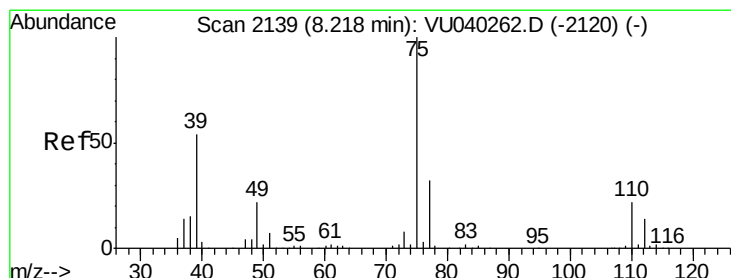
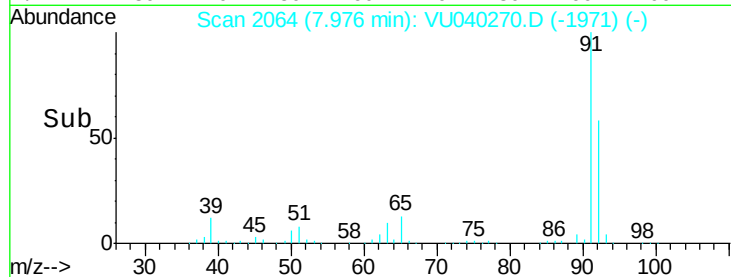
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.291 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040270.D

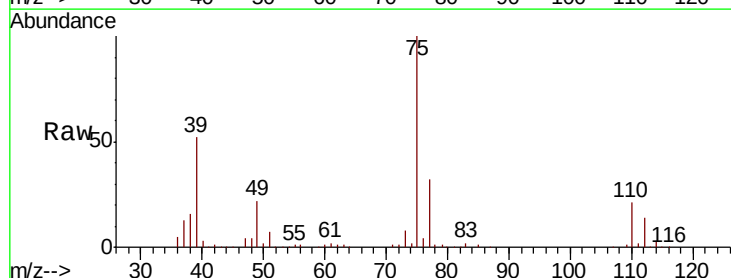
Acq: 24 Sep 2020 13:59

Tgt Ion: 75 Resp: 262315

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU040262.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU040262.D (-2120) (-)

8.21

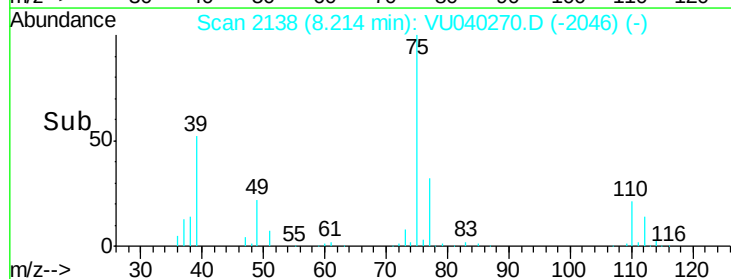
150000

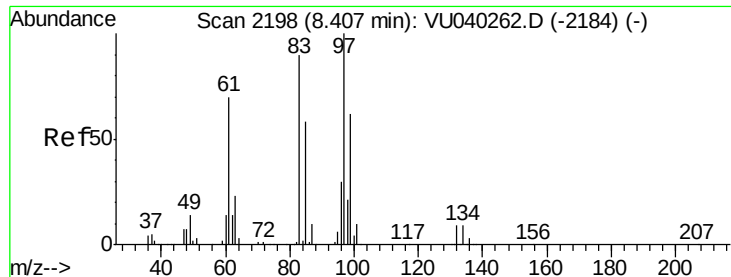
100000

50000

0

Time-->

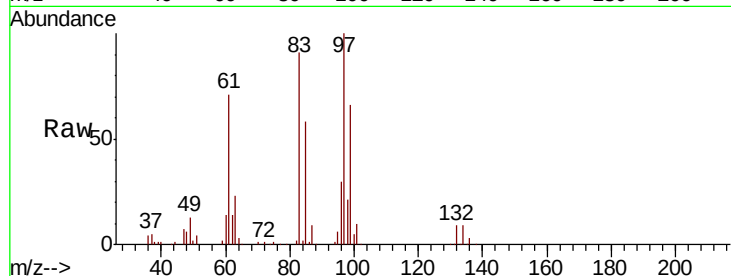




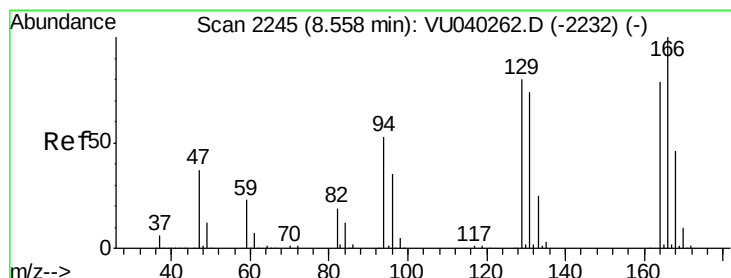
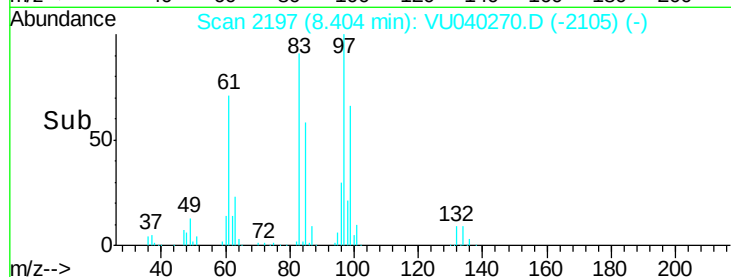
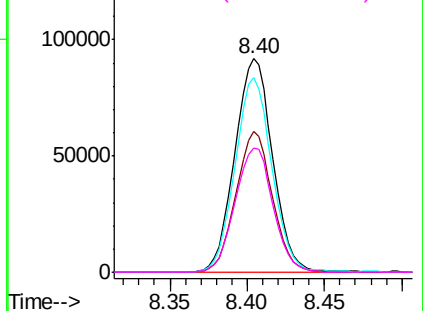
#45
 1,1,2-Trichloroethane
 Concen: 47.117 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Tot Ion:	97	Resp:	155714
Ion	Ratio	Lower	Upper
97	100		
99	66.2	43.3	80.5
83	91.0	62.7	116.5
85	58.4	40.7	75.5

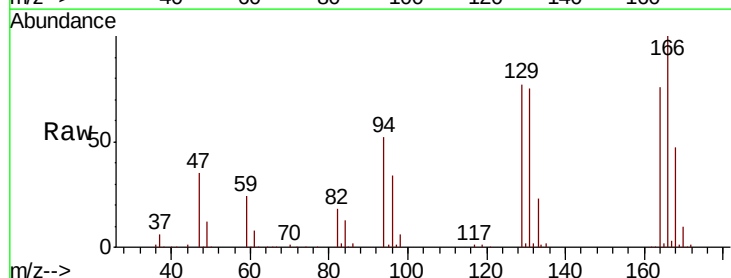


Abundance Ion 97.00 (96.70 to 97.70): VU040270.D (-2197) (-)

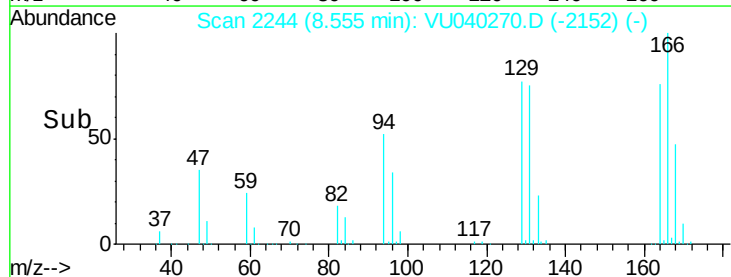
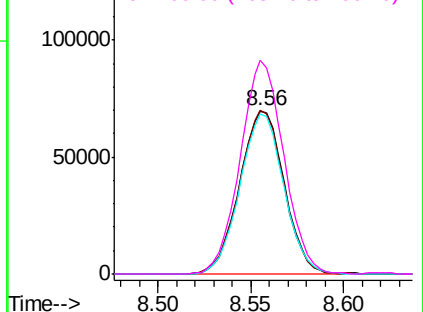


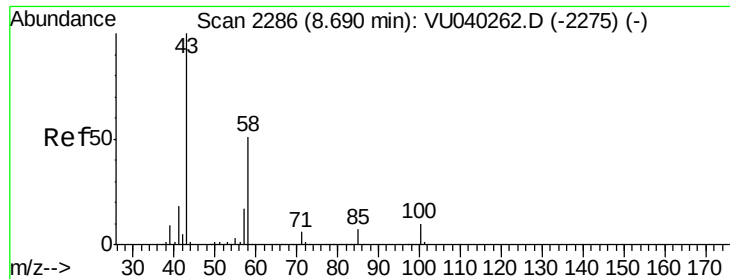
#46
 Tetrachloroethene
 Concen: 48.261 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion:	164	Resp:	117157
Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.5	130.9
131	98.4	65.7	121.9
166	131.2	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VU040270.D (-2244) (-)

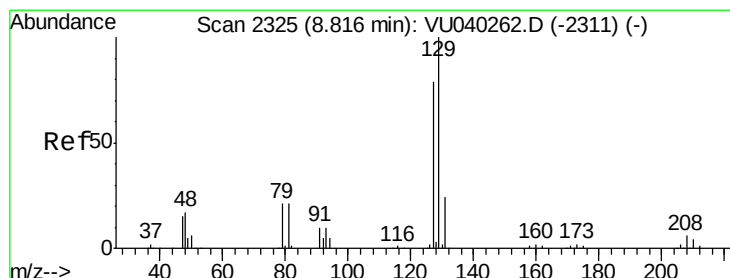
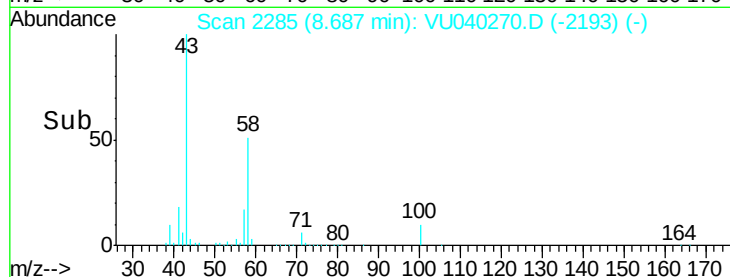
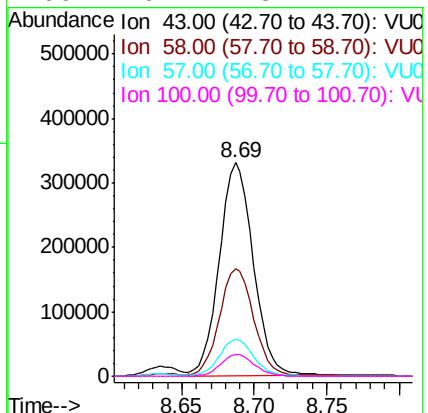
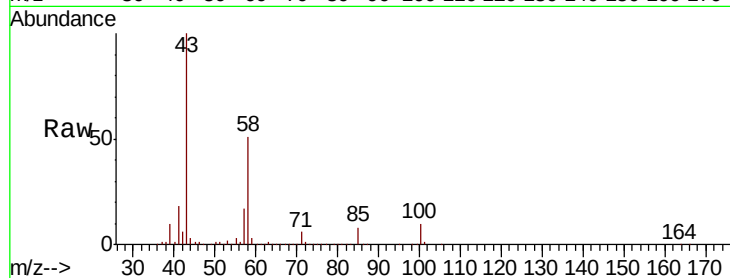




#48
2-Hexanone
Concen: 108.431 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

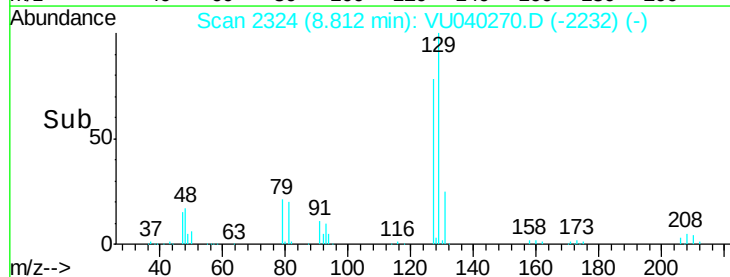
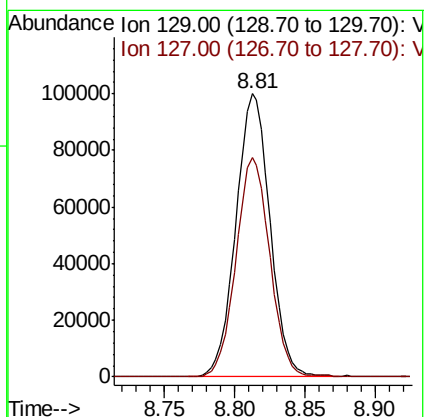
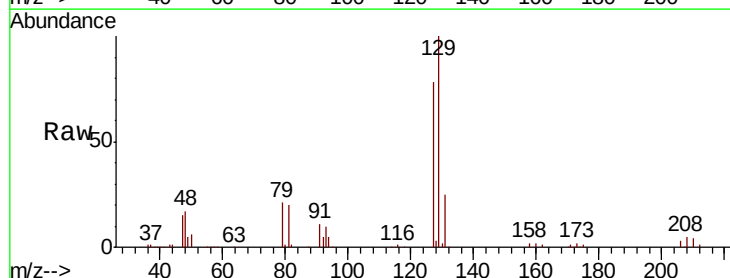
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

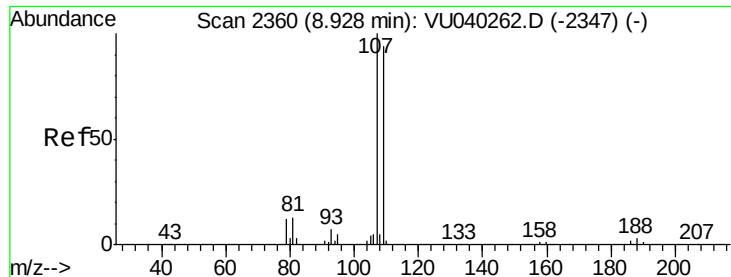
Tot Ion: 43 Resp: 536651
Ion Ratio Lower Upper
43 100
58 51.2 40.3 60.5
57 17.8 13.9 20.9
100 10.2 8.2 12.2



#49
Dibromochloromethane
Concen: 46.792 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion: 129 Resp: 169509
Ion Ratio Lower Upper
129 100
127 77.7 55.1 102.3

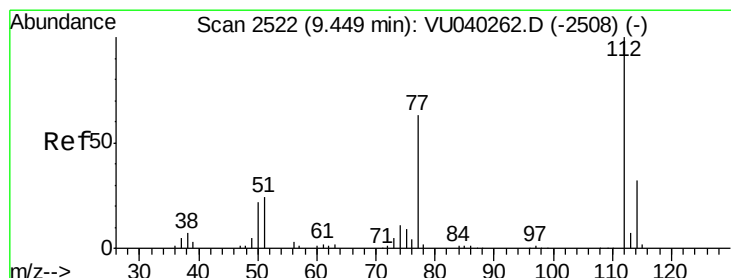
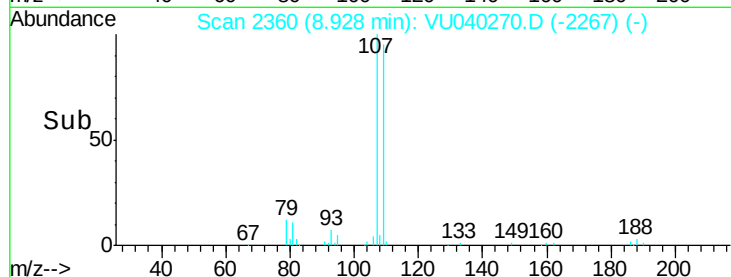
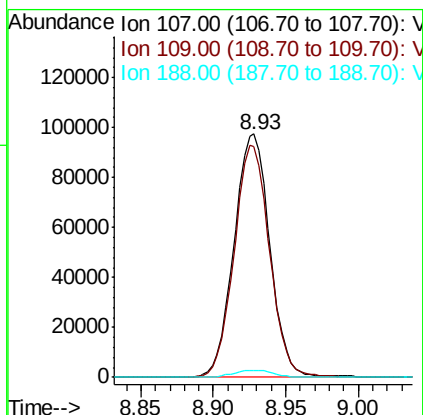
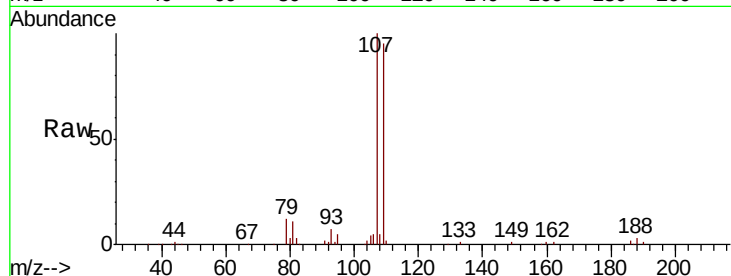




#50
1,2-Dibromoethane
Concen: 47.117 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

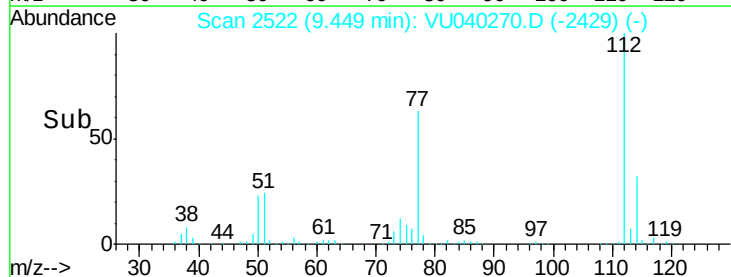
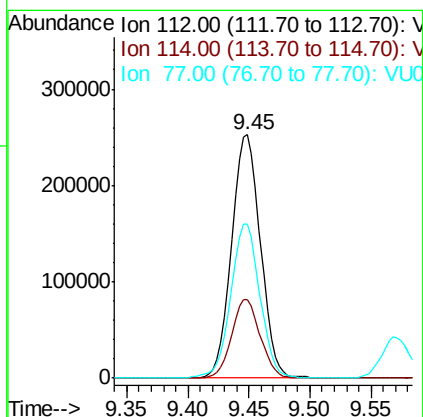
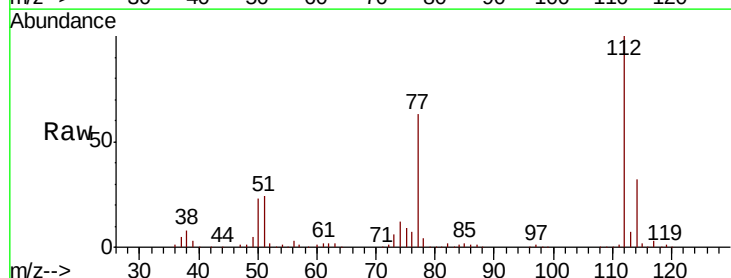
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

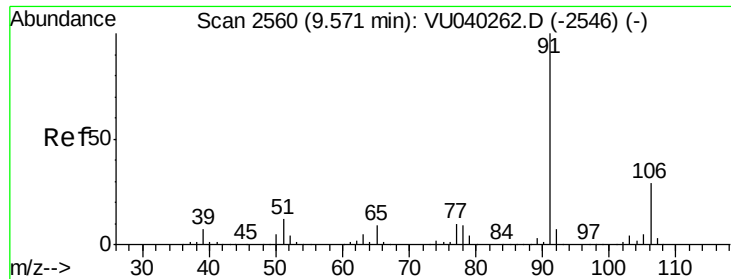
Tot Ion:107 Resp: 167136
Ion Ratio Lower Upper
107 100
109 95.0 65.9 122.3
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 46.171 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion:112 Resp: 416516
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.3
77 63.4 50.7 76.1





#52

Ethylbenzene

Concen: 48.877 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

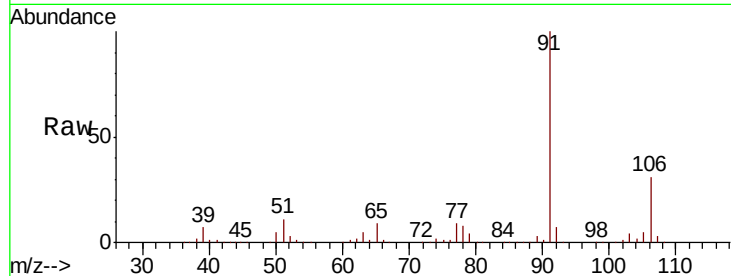
VSTD050208

Tot Ion: 91 Resp: 744743

Ion Ratio Lower Upper

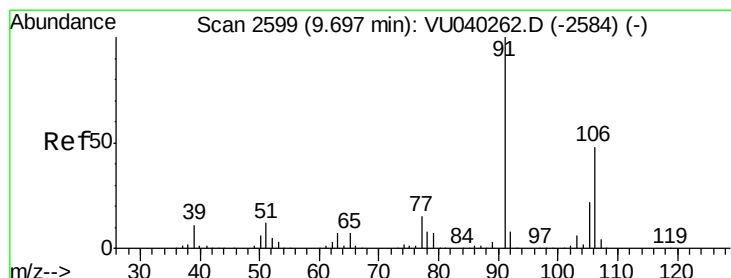
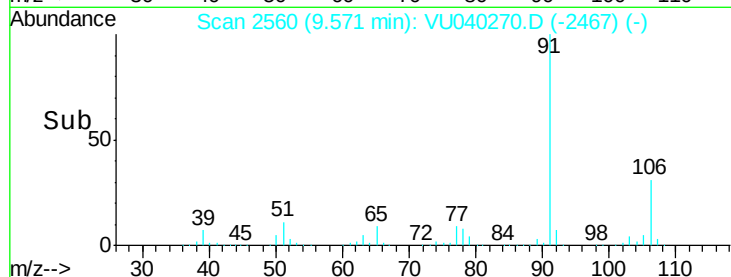
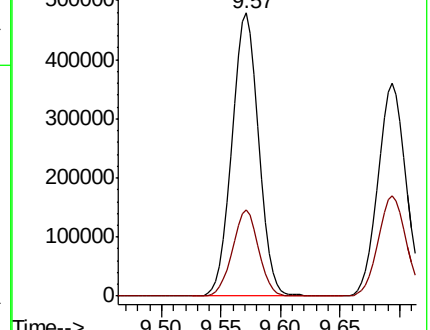
91 100

106 30.6 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU040262.D (-2546) (-)

Ion 106.00 (105.70 to 106.70): VU040262.D (-2546) (-)



#53

m,p-Xylene

Concen: 49.862 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040270.D

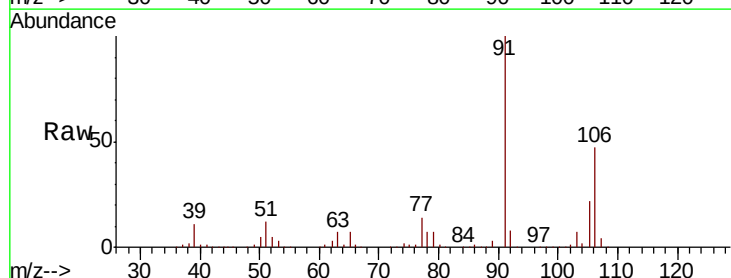
Acq: 24 Sep 2020 13:59

Tgt Ion: 106 Resp: 276191

Ion Ratio Lower Upper

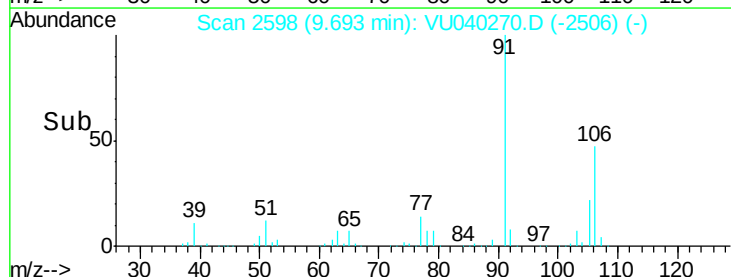
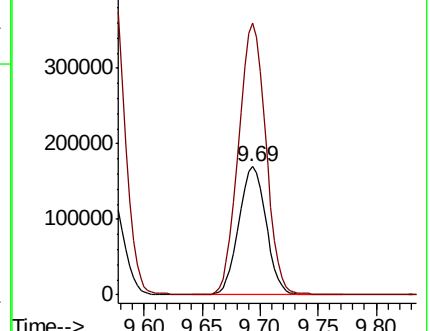
106 100

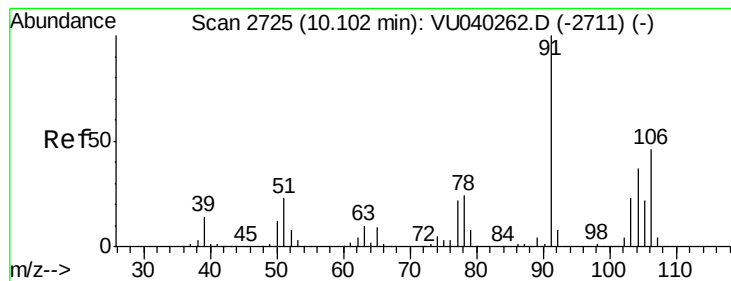
91 211.7 147.1 273.3



Abundance Ion 106.00 (105.70 to 106.70): VU040262.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040262.D (-2584) (-)





#54

o-xylene

Concen: 48.946 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

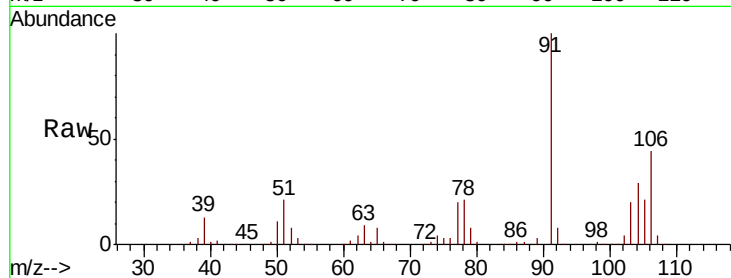
VSTD050208

Tot Ion:106 Resp: 264829

Ion Ratio Lower Upper

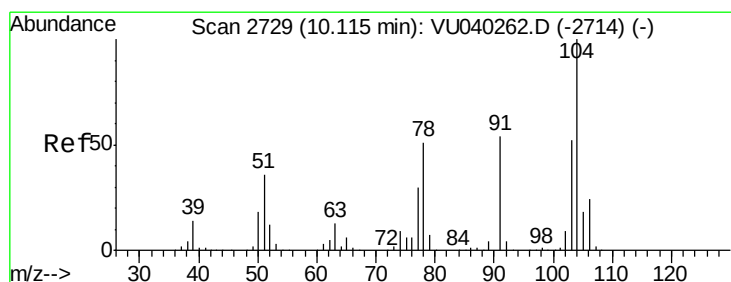
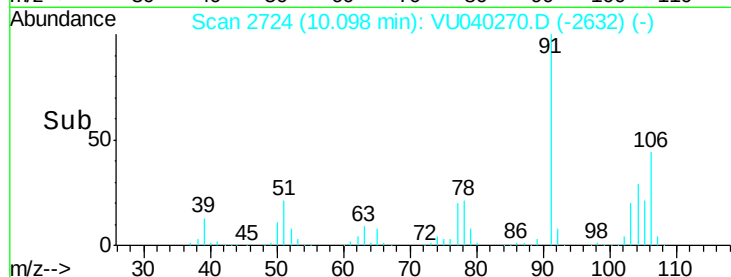
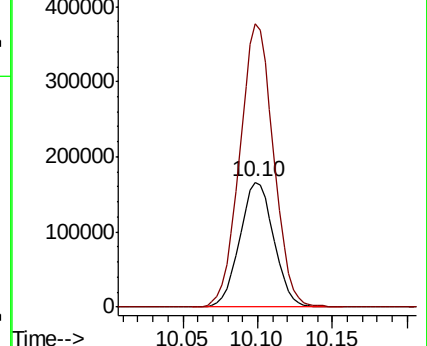
106 100

91 226.7 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.704 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040270.D

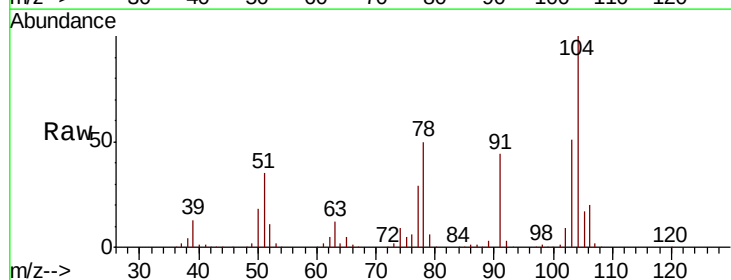
Acq: 24 Sep 2020 13:59

Tgt Ion:104 Resp: 460153

Ion Ratio Lower Upper

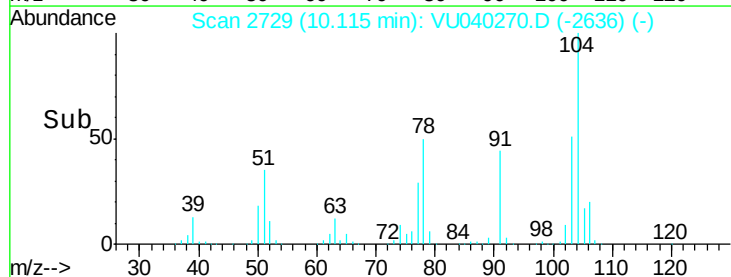
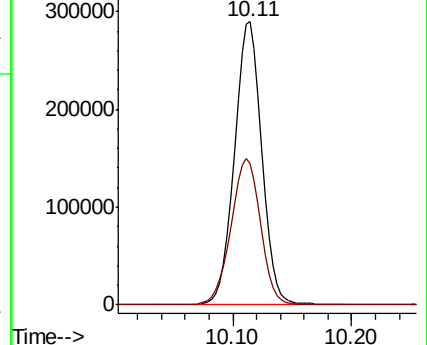
104 100

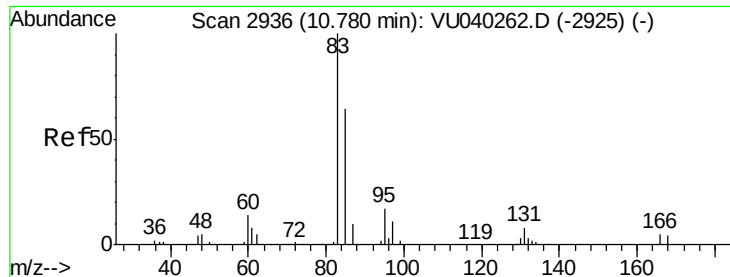
78 49.8 35.8 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

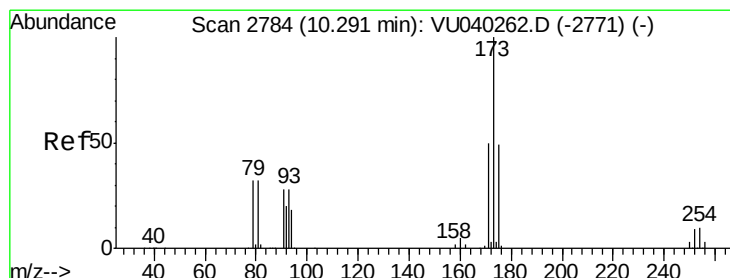
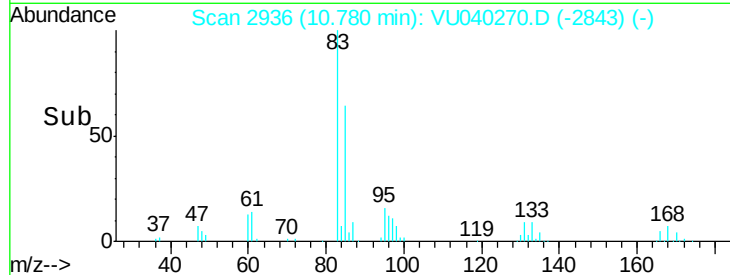
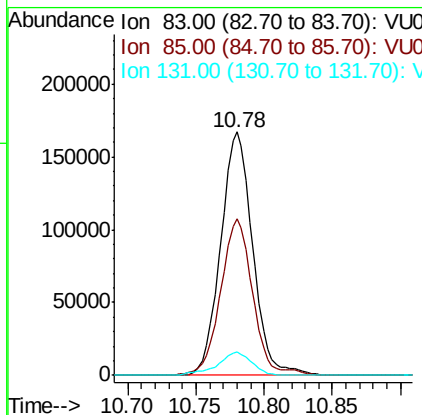
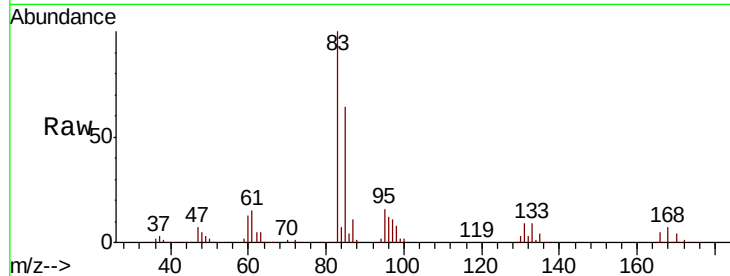




#57
 1,1,2,2-Tetrachloroethane
 Concen: 46.836 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

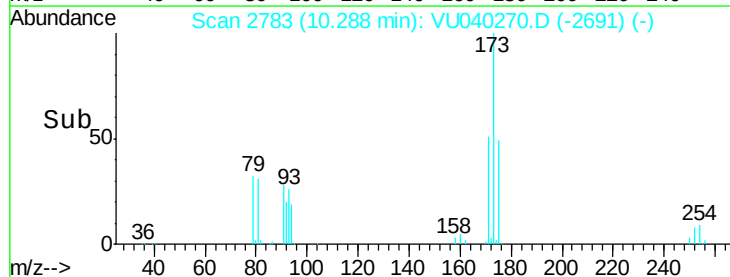
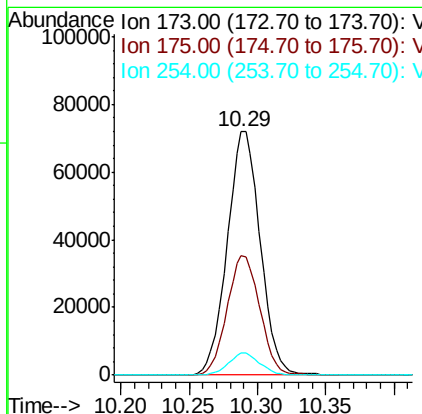
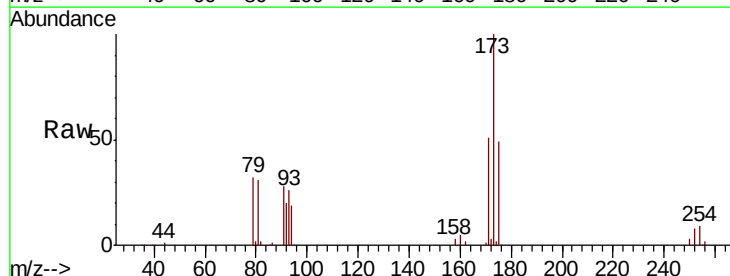
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

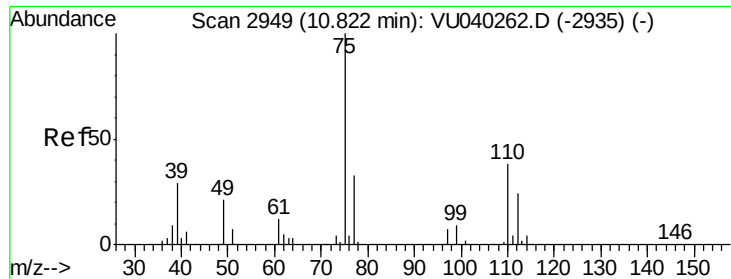
Tot Ion: 83 Resp: 272282
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.6 84.6
 131 9.4 7.4 11.0



#59
 Bromoform
 Concen: 46.688 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 173 Resp: 120730
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.6 58.0
 254 8.4 7.0 10.4

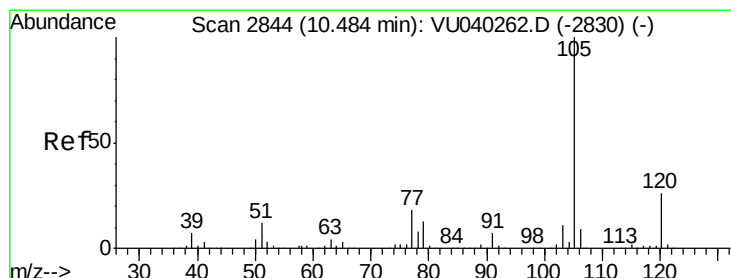
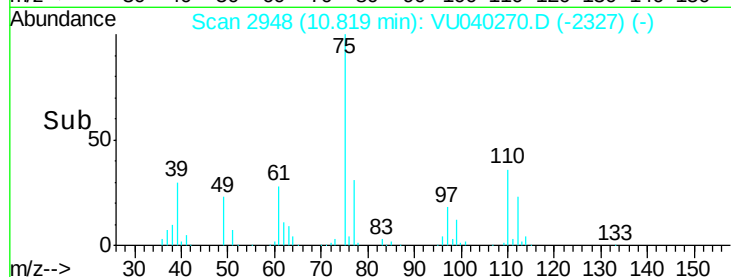
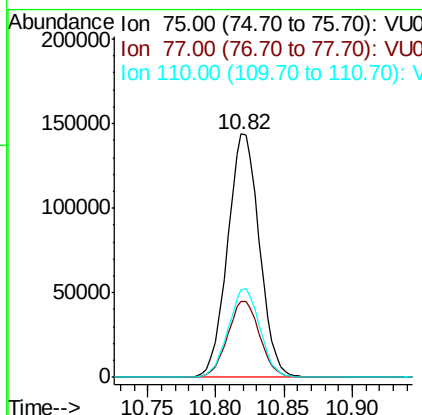
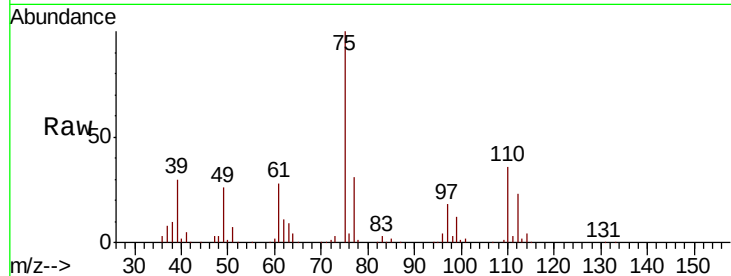




#60
1,2,3-Trichloropropane
Concen: 46.477 ug/L
RT: 10.82 min Scan# 2948
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

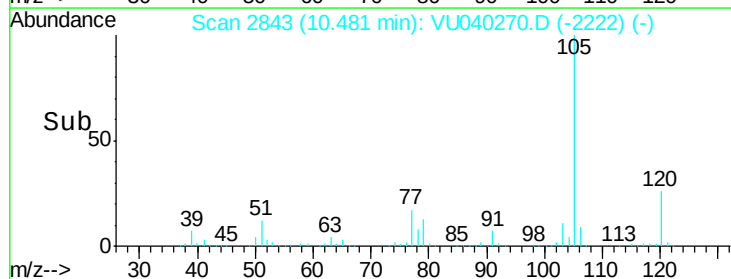
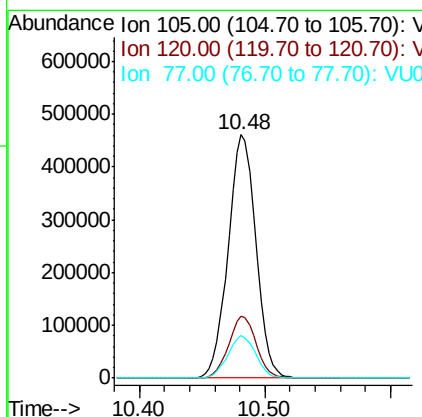
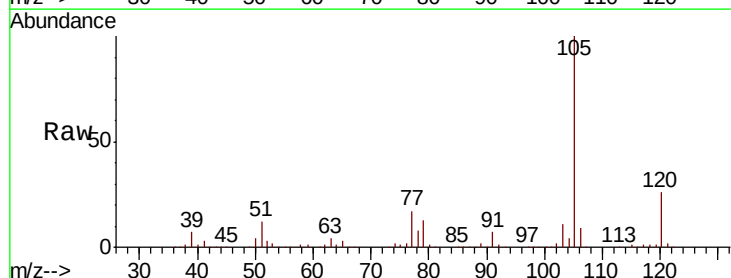
Instrument :
MSVOA_U
ClientSampleId :
VSTD050208

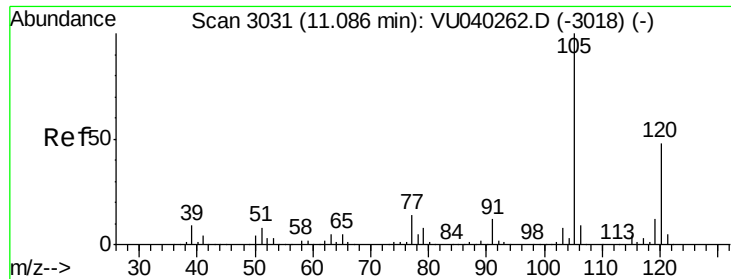
Tot Ion	75	Resp	232922
Ion Ratio	Lower	Upper	
75	100		
77	31.6	26.0	39.0
110	36.2	29.8	44.8



#61
Isopropylbenzene
Concen: 48.169 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040270.D
Acq: 24 Sep 2020 13:59

Tgt Ion	105	Resp	706427
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.6	30.8
77	17.4	13.8	20.6





#62

1,3,5-Trimethylbenzene

Concen: 49.697 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

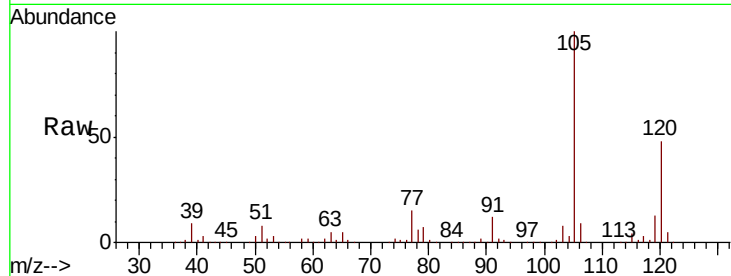
VSTD050208

Tot Ion:105 Resp: 595398

Ion Ratio Lower Upper

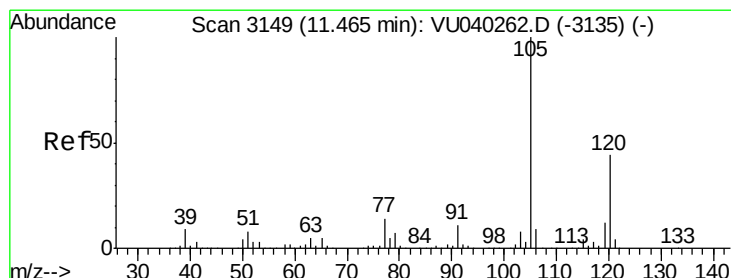
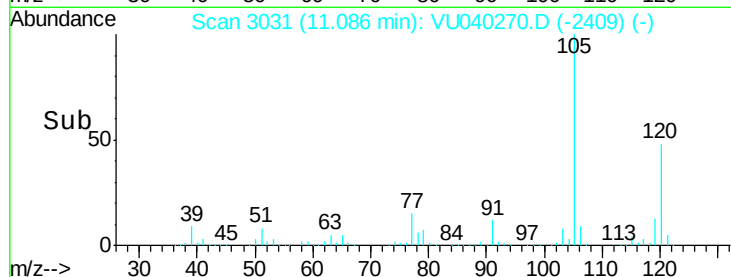
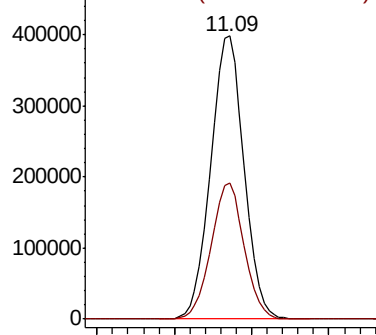
105 100

120 47.6 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 50.794 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040270.D

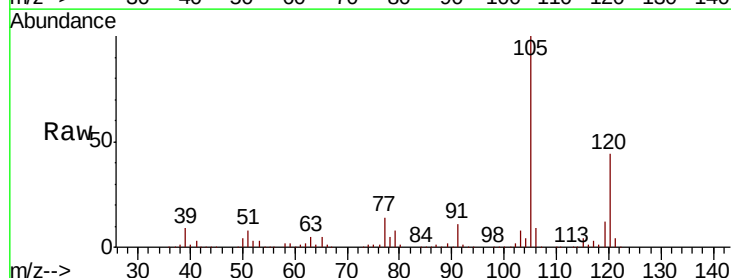
Acq: 24 Sep 2020 13:59

Tgt Ion:105 Resp: 616755

Ion Ratio Lower Upper

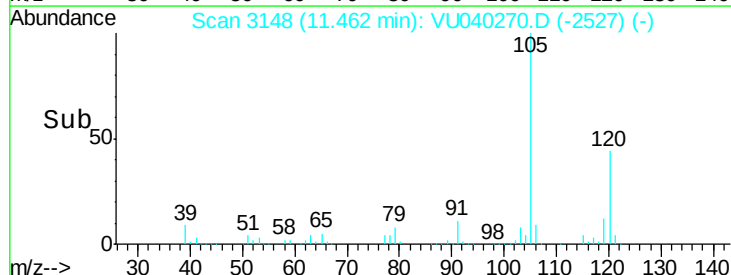
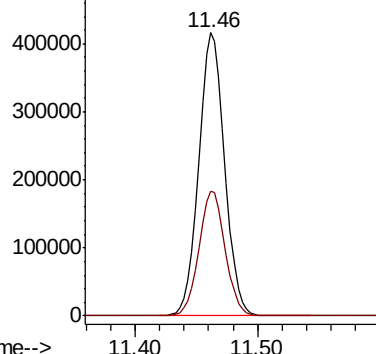
105 100

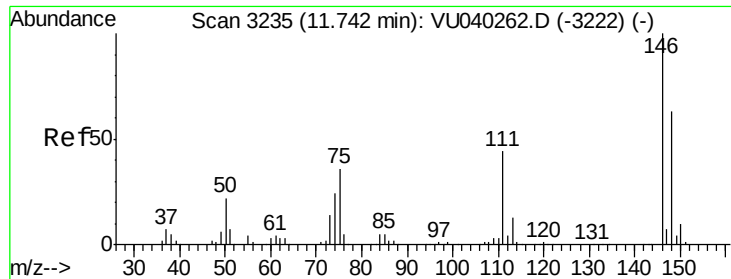
120 44.5 35.8 53.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

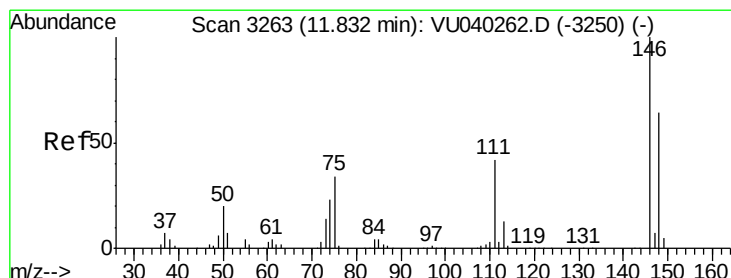
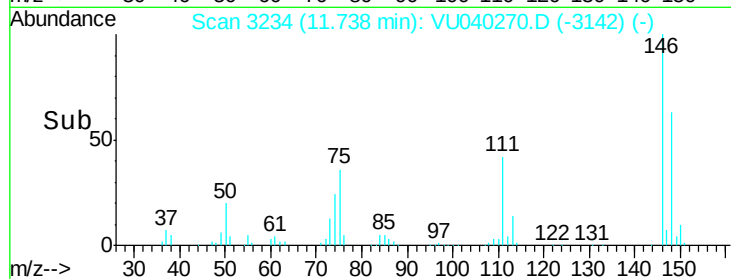
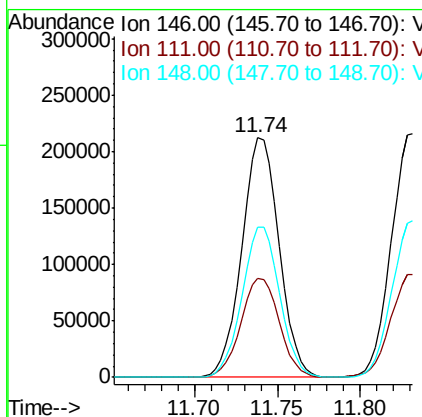
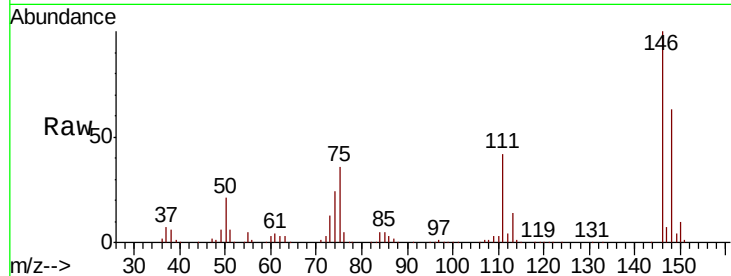




#64
 1,3-Dichlorobenzene
 Concen: 47.877 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

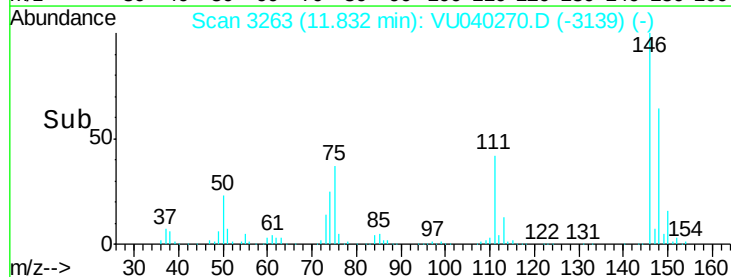
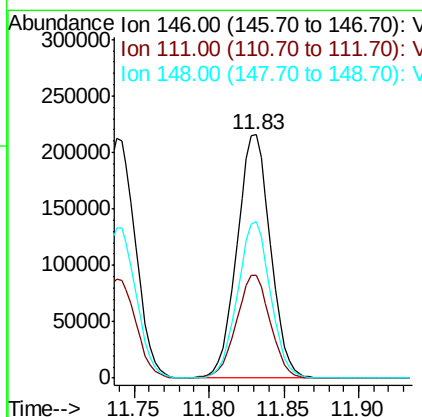
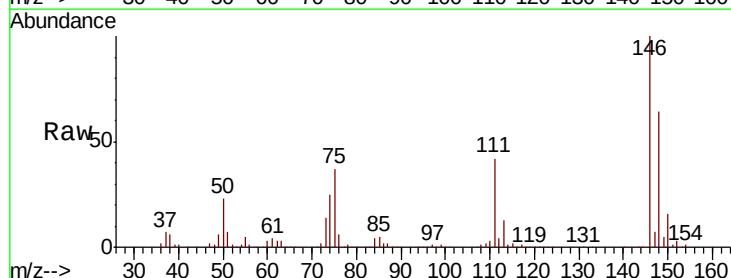
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

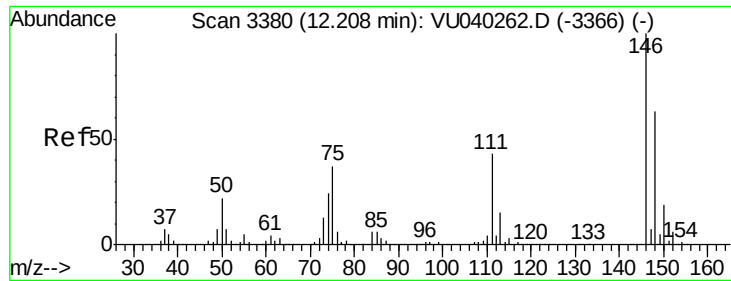
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	30.6	56.8
148	62.7	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 46.586 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	29.4	54.6
148	64.1	44.7	83.1

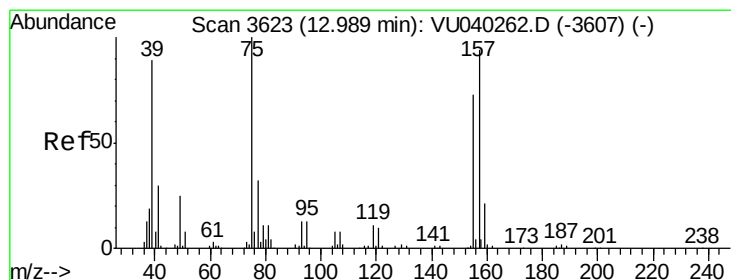
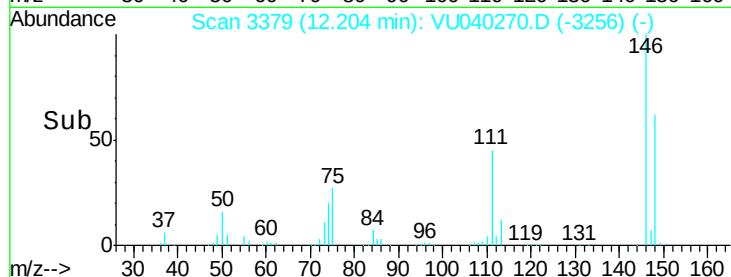
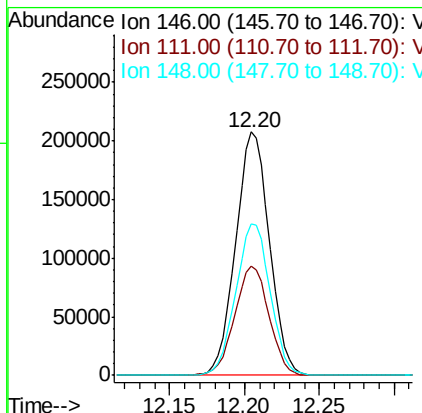
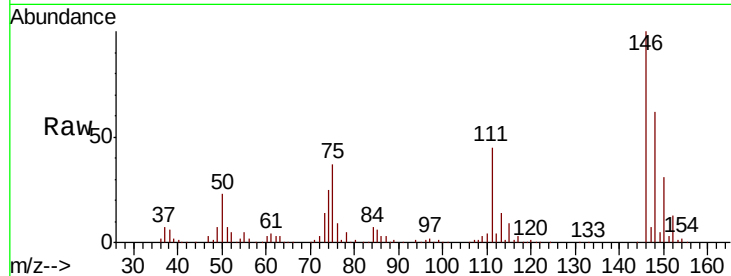




#67
 1,2-Dichlorobenzene
 Concen: 47.152 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

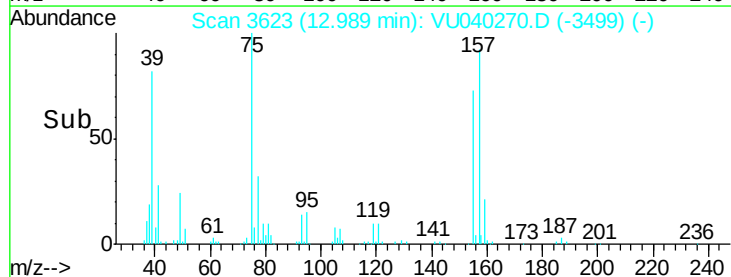
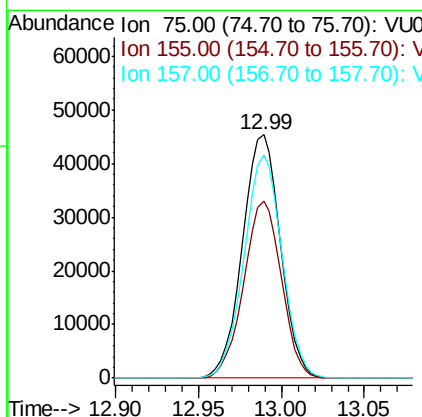
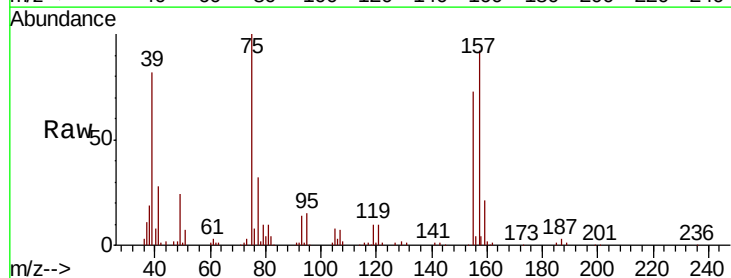
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD050208

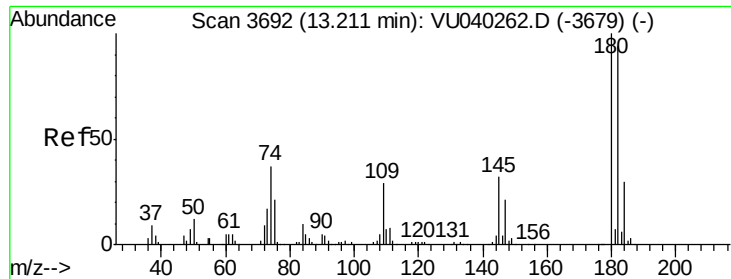
Tot Ion:146 Resp: 325865
 Ion Ratio Lower Upper
 146 100
 111 44.8 34.5 51.7
 148 62.2 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.318 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion: 75 Resp: 72505
 Ion Ratio Lower Upper
 75 100
 155 72.8 58.8 88.2
 157 91.6 75.1 112.7

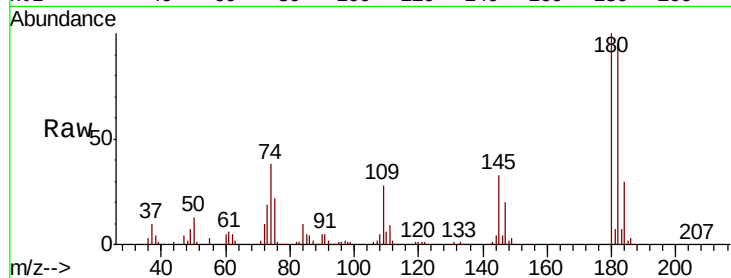




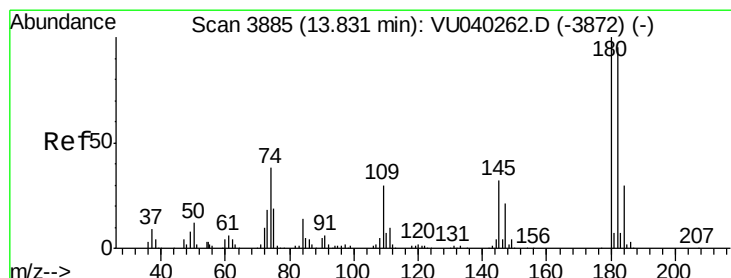
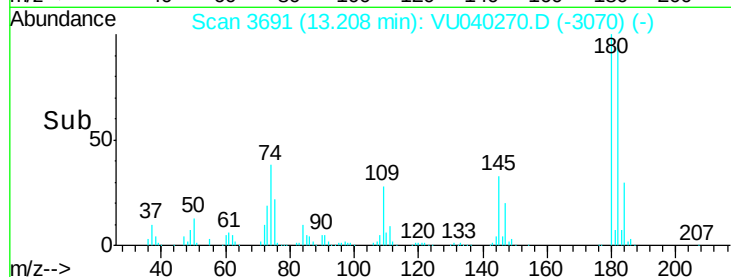
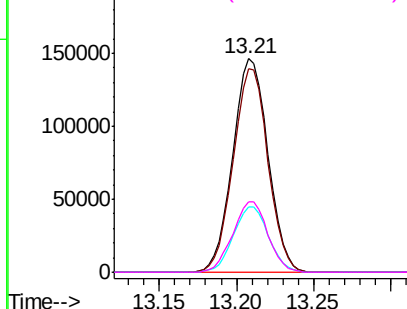
#69
 1,3,5-Trichlorobenzene
 Concen: 50.986 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Tot Ion:	180	Resp:	230569
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.4	113.0
184	30.6	23.7	35.5
145	32.9	25.3	37.9

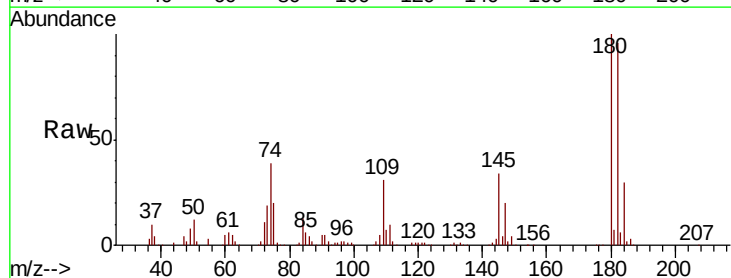


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

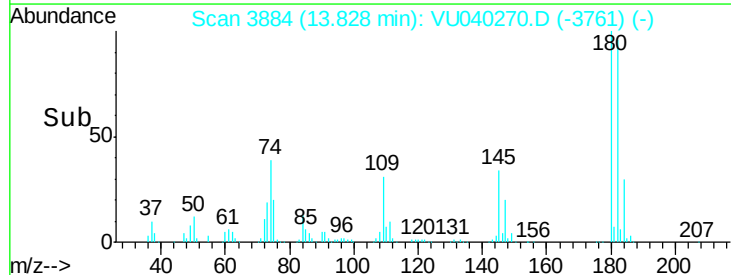
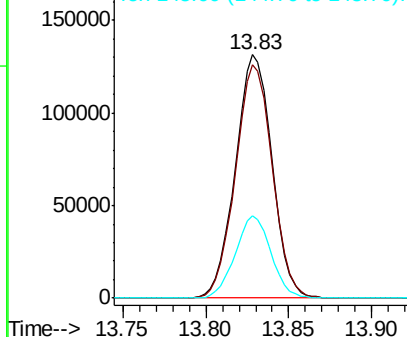


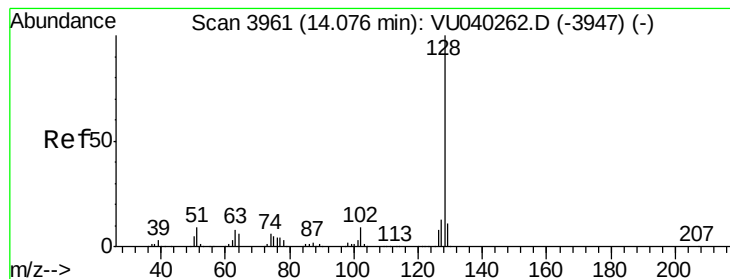
#70
 1,2,4-trichlorobenzene
 Concen: 51.729 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040270.D
 Acq: 24 Sep 2020 13:59

Tgt Ion:	180	Resp:	202000
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.3	114.5
145	32.9	26.0	39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 56.105 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD050208

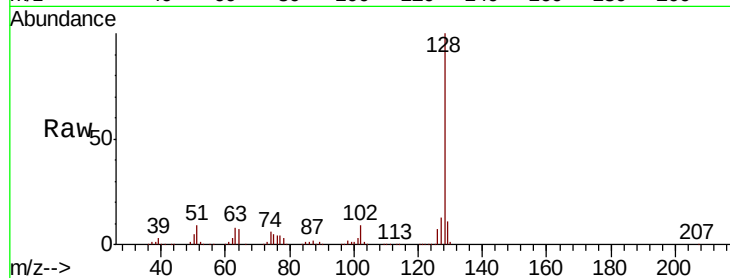
Tot Ion:128 Resp: 678283

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

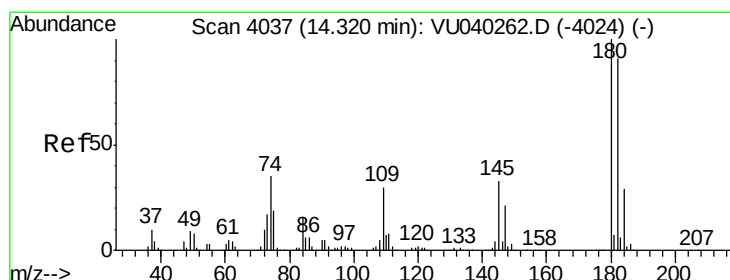
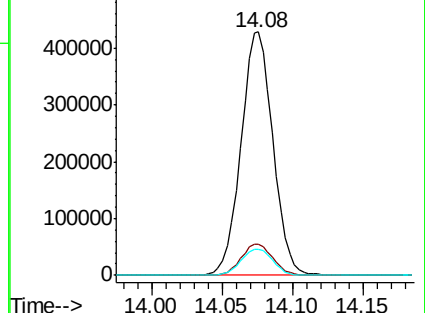
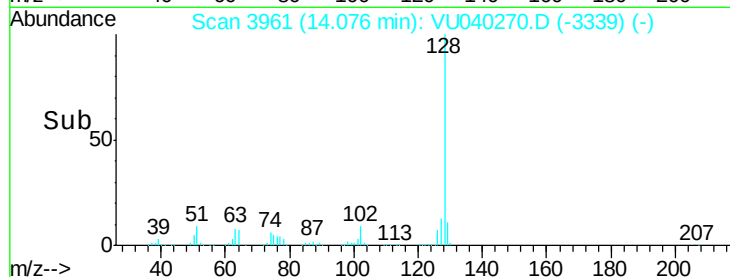
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 51.751 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040270.D

Acq: 24 Sep 2020 13:59

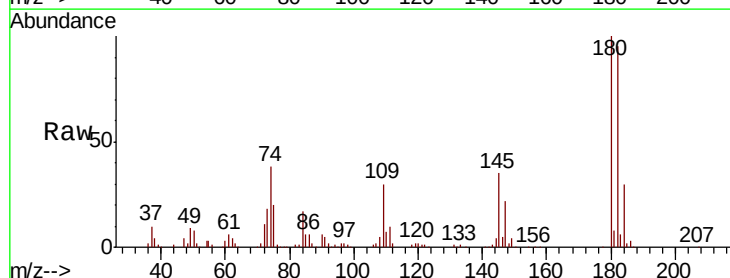
Tgt Ion:180 Resp: 199318

Ion Ratio Lower Upper

180 100

182 95.8 74.2 111.4

145 36.3 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

