

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040278.D
 Acq On : 24 Sep 2020 18:10
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

Quant Time: Sep 25 02:12:30 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	211988	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	207632	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	110594	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	144000	12.16	ug/L	0.00
7) Chloroethane-d5	1.92	69	118208	11.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	72288	14.09	ug/L	0.00
20) 2-Butanone-d5	4.65	46	547070	181.64	ug/L	0.00
24) Chloroform-d	5.08	84	294231	12.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	171381	13.94	ug/L	0.00
32) Benzene-d6	5.74	84	557805	11.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	181507	11.76	ug/L	0.00
41) Toluene-d8	7.90	98	509047	10.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	75719	12.31	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	418452	141.04	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	154766	12.17	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	191276	10.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	222719	13.242	ug/L 98
3) Chloromethane	1.52	50	218676	12.537	ug/L 98
5) Vinyl chloride	1.61	62	214470	11.691	ug/L 98
6) Bromomethane	1.87	94	116393	11.094	ug/L 100
8) Chloroethane	1.94	64	122506	10.730	ug/L 97
9) Trichlorofluoromethane	2.15	101	282131	12.760	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	179813	13.160	ug/L 100
12) 1,1-Dichloroethene	2.59	96	166939	12.568	ug/L 98
13) Acetone	2.66	43	419582	174.765	ug/L 99
14) Carbon disulfide	2.81	76	561907	13.067	ug/L 98
15) Methyl Acetate	2.97	43	100406	16.888	ug/L 99
16) Methylene chloride	3.06	84	182448	10.127	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	456250	13.389	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	175065	12.290	ug/L 97
19) 1,1-Dichloroethane	3.89	63	345763	13.492	ug/L 98
21) 2-Butanone	4.73	43	708219	183.847	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	188705	12.014	ug/L 98
23) Bromochloromethane	4.99	128	85385	12.686	ug/L 97
25) Chloroform	5.11	83	345968	13.466	ug/L 98
27) 1,2-Dichloroethane	5.81	62	240790	14.415	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	296609	13.301	ug/L 98
30) Cyclohexane	5.40	56	336506	13.303	ug/L 99
31) Carbon tetrachloride	5.54	117	254209	13.412	ug/L 99
33) Benzene	5.79	78	737924	12.062	ug/L 100
34) Trichloroethene	6.55	95	190405	11.835	ug/L 97
35) Methylcyclohexane	6.77	83	311479	11.524	ug/L 99
37) 1,2-Dichloropropane	6.80	63	195160	12.726	ug/L 99
38) Bromodichloromethane	7.11	83	248858	13.105	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	289924	12.472	ug/L 96
40) 4-Methyl-2-pentanone	7.80	43	1634352	168.257	ug/L 100

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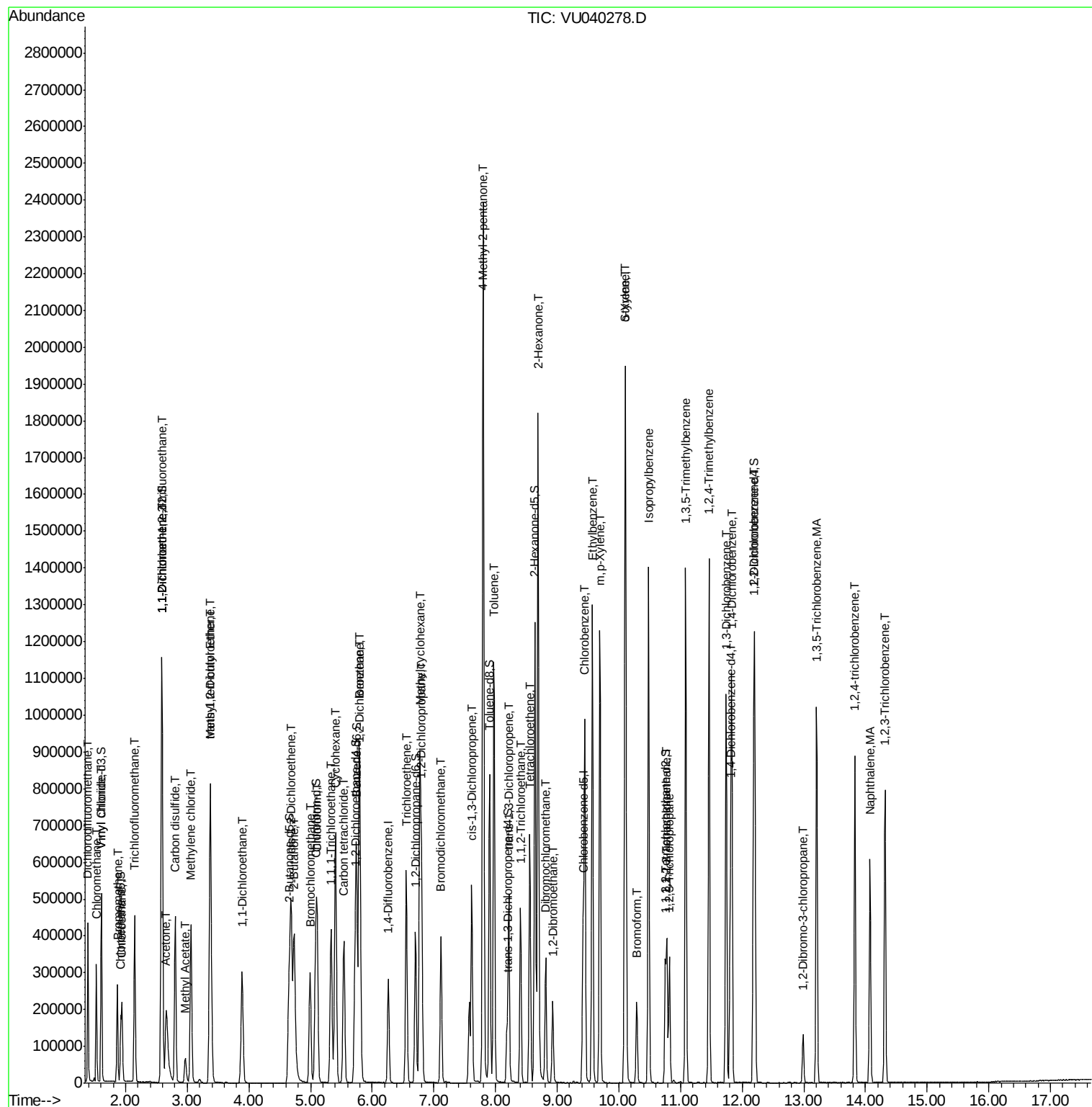
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	764995	11.513	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	265304	14.090	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	135041	12.023	ug/L	96
47) Tetrachloroethene	8.56	164	138802	10.901	ug/L	95
48) 2-Hexanone	8.69	43	1207464	175.392	ug/L	99
49) Dibromochloromethane	8.82	129	162300	12.541	ug/L	98
50) 1,2-Dibromoethane	8.93	107	132591	12.036	ug/L	100
51) Chlorobenzene	9.45	112	478229	11.312	ug/L	99
52) Ethylbenzene	9.57	91	861686	11.915	ug/L	100
53) m,p-Xylene	9.69	106	318574	11.501	ug/L	99
54) o-Xylene	10.10	106	307685	11.383	ug/L	100
55) Styrene	10.11	104	540033	12.010	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	180233	12.514	ug/L	99
59) Bromoform	10.29	173	91917	11.876	ug/L	98
60) Isopropylbenzene	10.48	105	835126	11.019	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	138987	12.587	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	711696	11.051	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	718877	11.185	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	390014	10.987	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	398913	11.152	ug/L	97
67) 1,2-Dichlorobenzene	12.20	146	365644	10.708	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	33030	13.923	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	276038	10.352	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	237542	11.970	ug/L	99
71) Naphthalene	14.07	128	445188	15.034	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	217065	12.132	ug/L	98

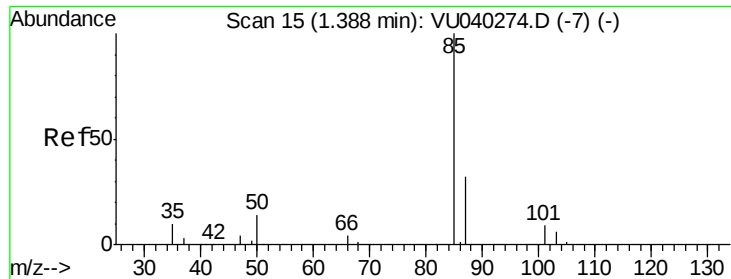
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.242 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

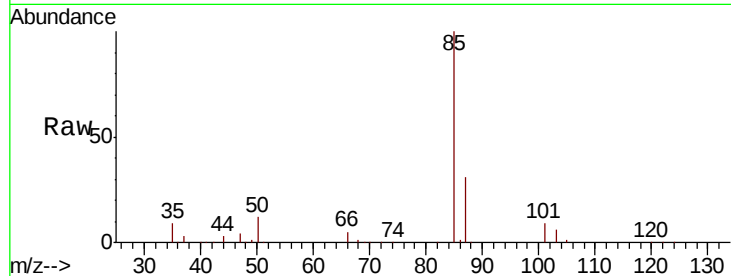
VSTD010104

Tot Ion: 85 Resp: 222719

Ion Ratio Lower Upper

85 100

87 31.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

250000

200000

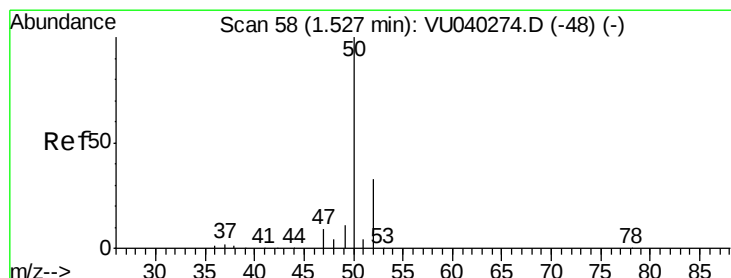
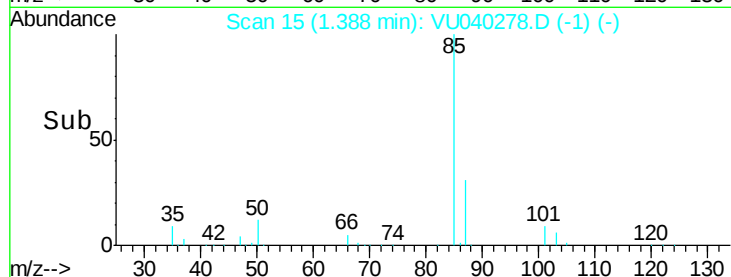
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 12.537 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040278.D

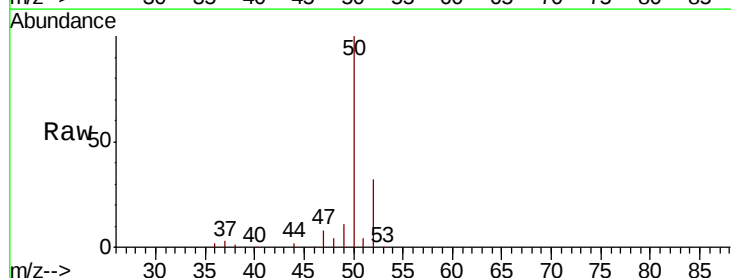
Acq: 24 Sep 2020 18:10

Tgt Ion: 50 Resp: 218676

Ion Ratio Lower Upper

50 100

52 31.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.52

200000

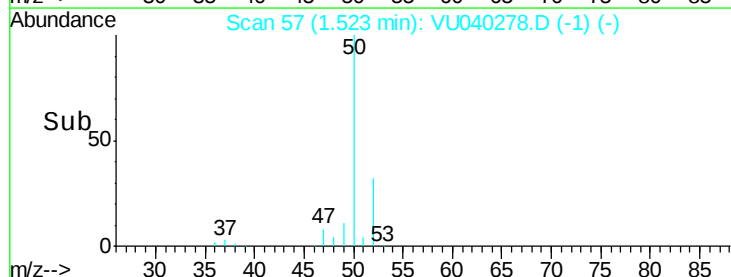
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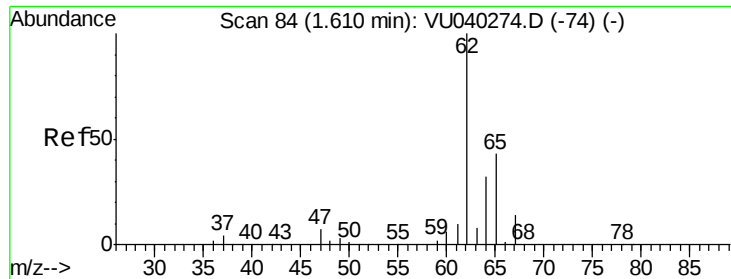
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 11.691 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

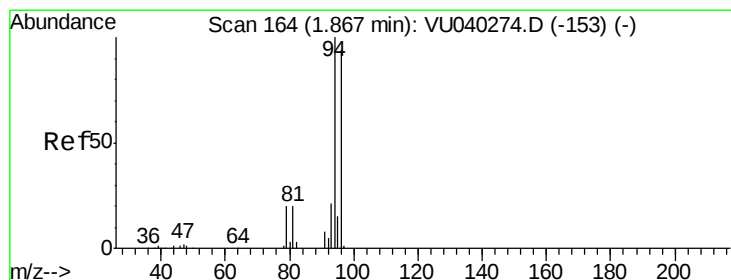
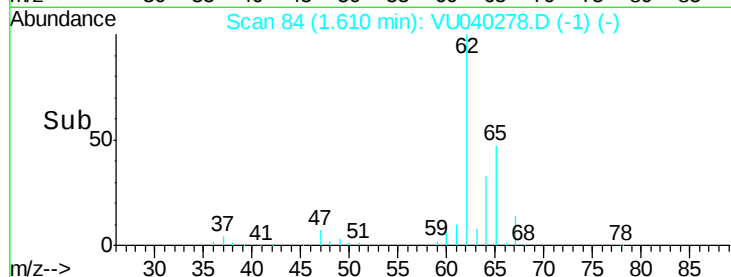
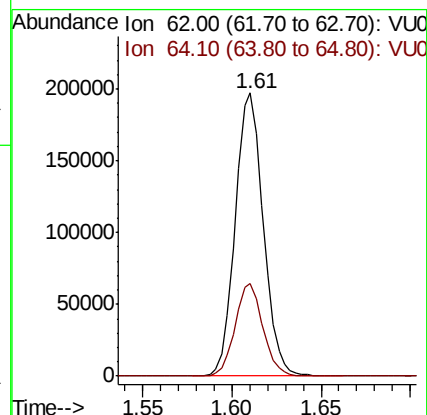
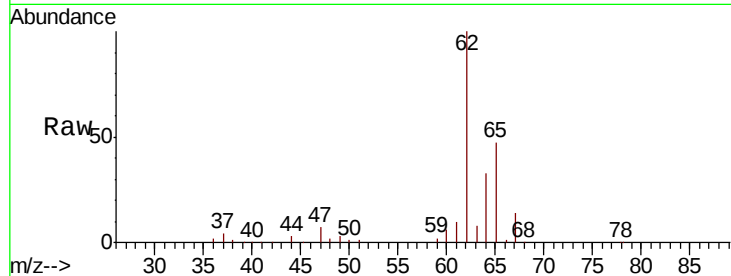
VSTD010104

Tot Ion: 62 Resp: 214470

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.3



#6

Bromomethane

Concen: 11.094 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040278.D

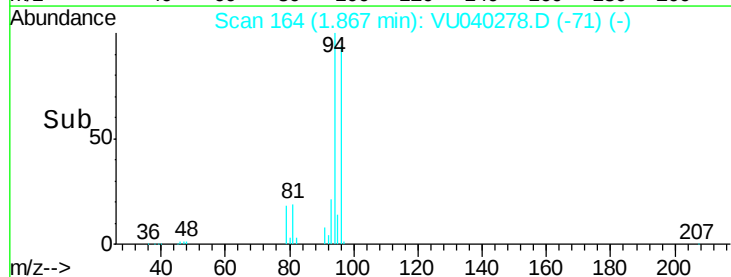
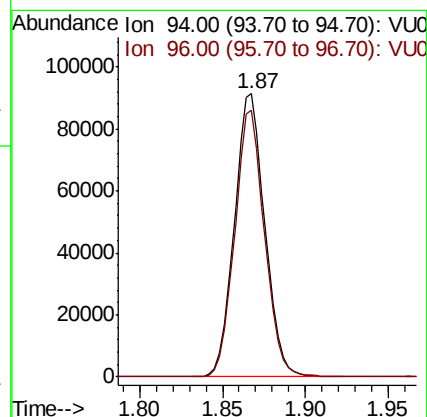
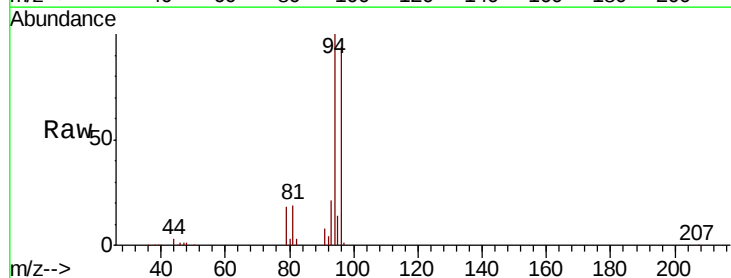
Acq: 24 Sep 2020 18:10

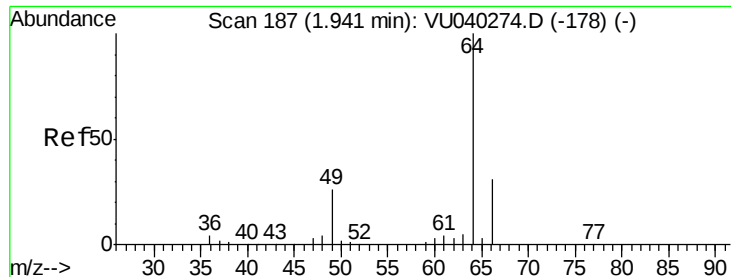
Tgt Ion: 94 Resp: 116393

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7





#8

Chloroethane

Concen: 10.730 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

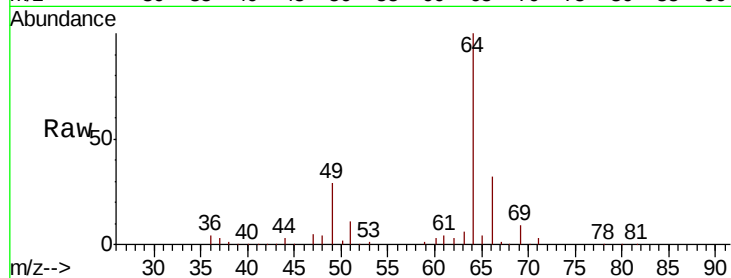
VSTD010104

Tot Ion: 64 Resp: 122506

Ion Ratio Lower Upper

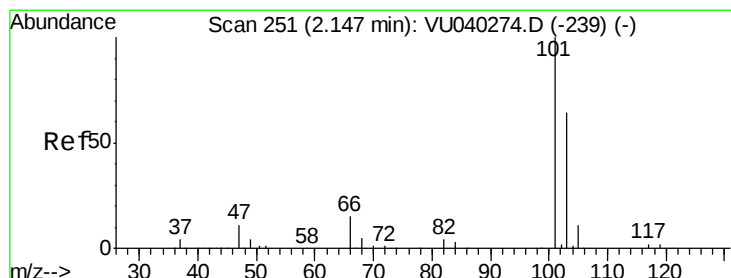
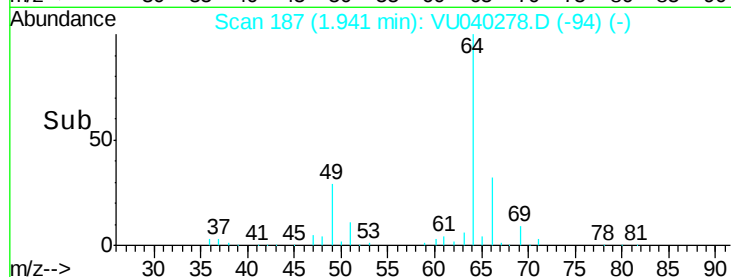
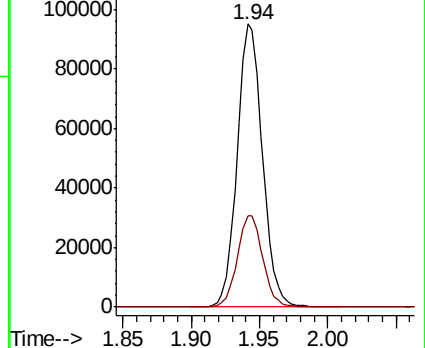
64 100

66 32.4 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040278.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU040278.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 12.760 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040278.D

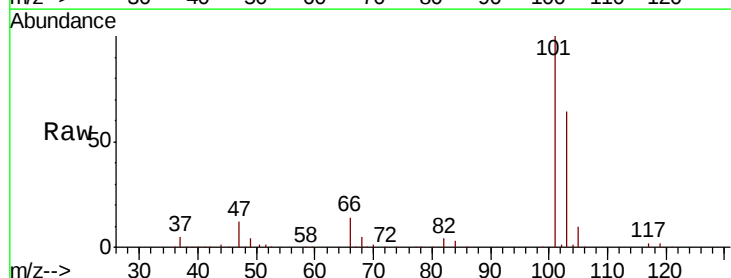
Acq: 24 Sep 2020 18:10

Tgt Ion:101 Resp: 282131

Ion Ratio Lower Upper

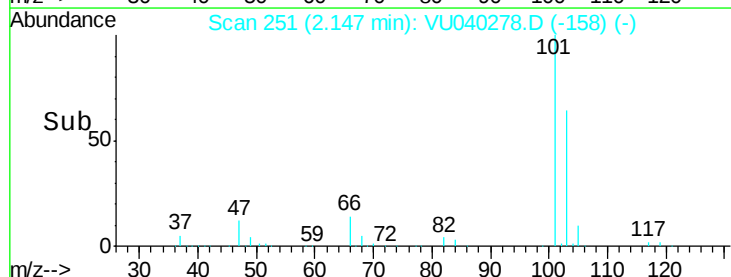
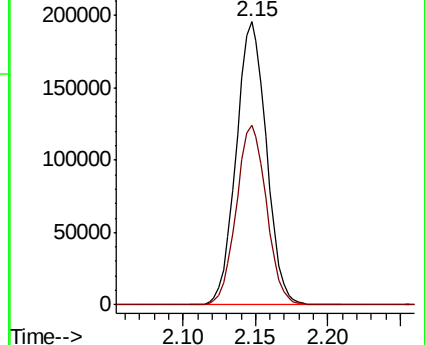
101 100

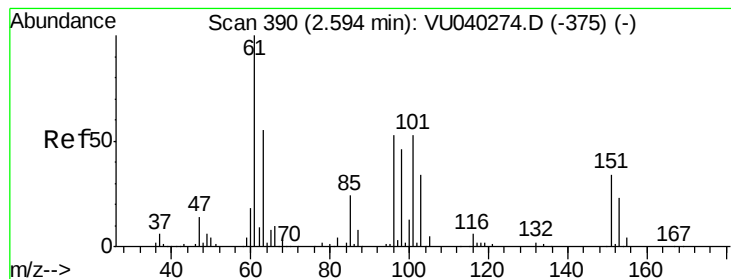
103 63.5 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU040278.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040278.D (-158) (-)





#10

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

Concen: 13.160 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

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ClientSampleId :

VSTD010104

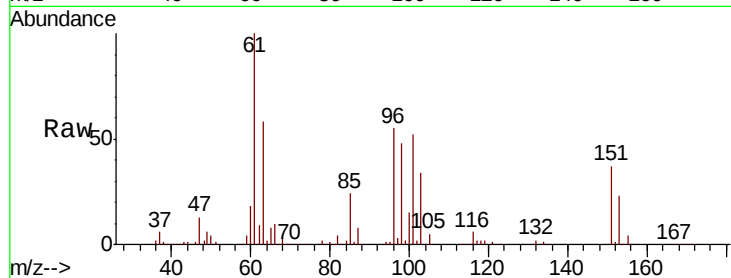
Tot Ion:101 Resp: 179813

Ion Ratio Lower Upper

101 100

85 45.4 36.7 55.1

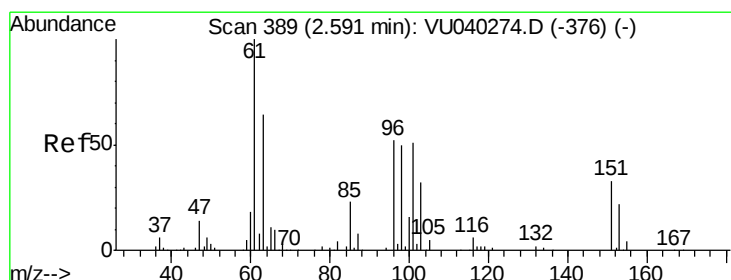
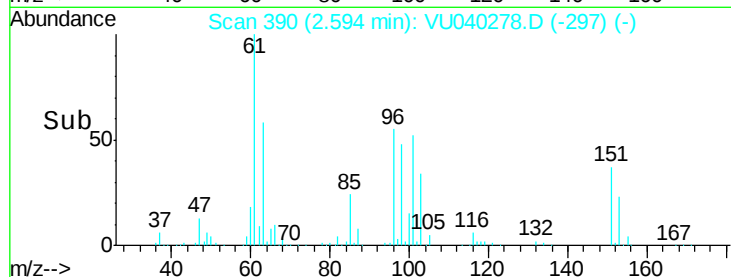
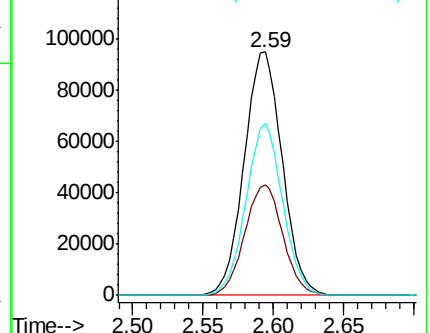
151 68.3 54.5 81.7



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: 12.568 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

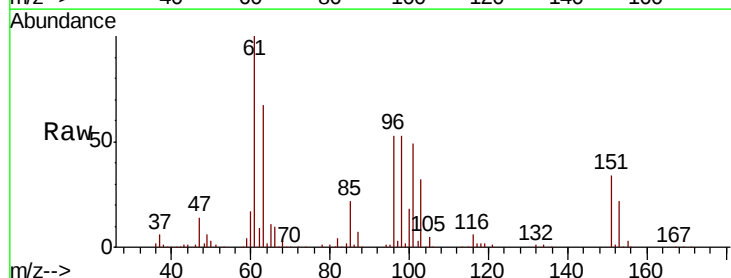
Tgt Ion: 96 Resp: 166939

Ion Ratio Lower Upper

96 100

61 187.3 134.3 249.3

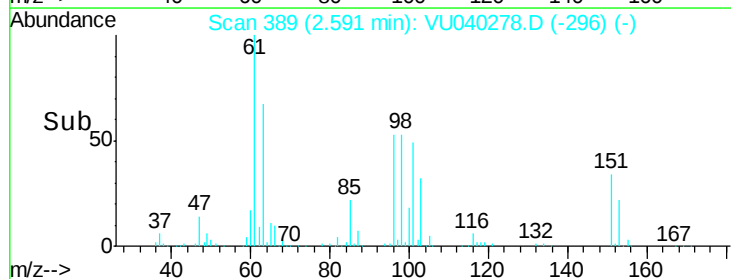
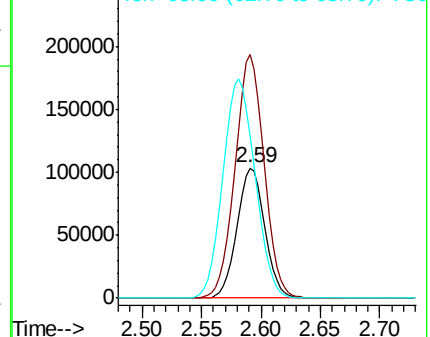
63 125.0 88.5 164.4

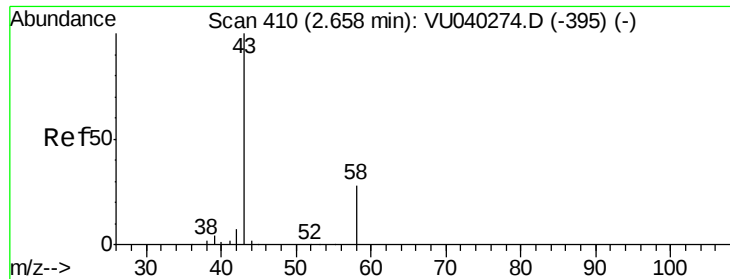


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 174.765 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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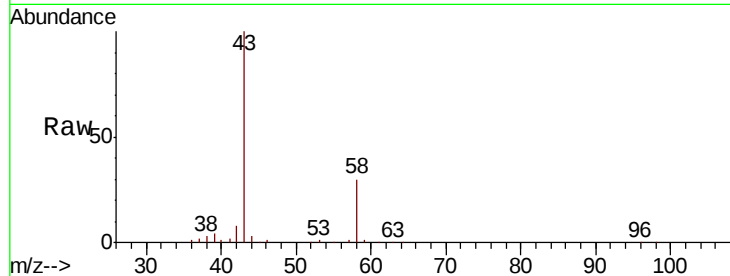
VSTD010104

Tot Ion: 43 Resp: 419582

Ion Ratio Lower Upper

43 100

58 28.8 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU040278.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040278.D (-317) (-)

2.66

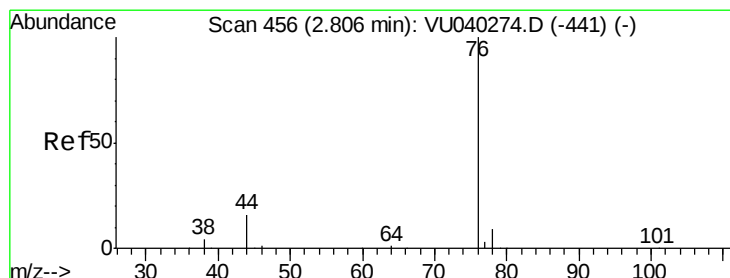
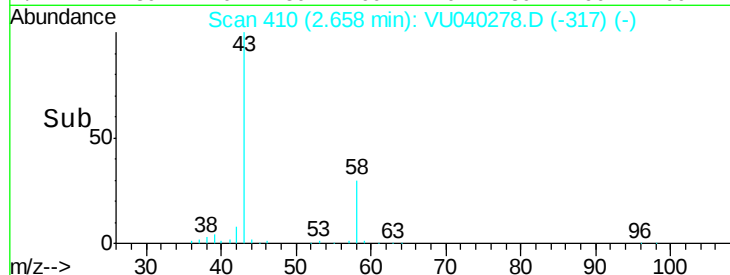
100000

50000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 13.067 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040278.D

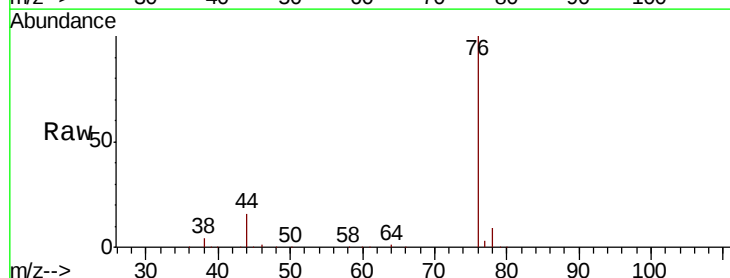
Acq: 24 Sep 2020 18:10

Tgt Ion: 76 Resp: 561907

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU040278.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040278.D (-363) (-)

2.81

300000

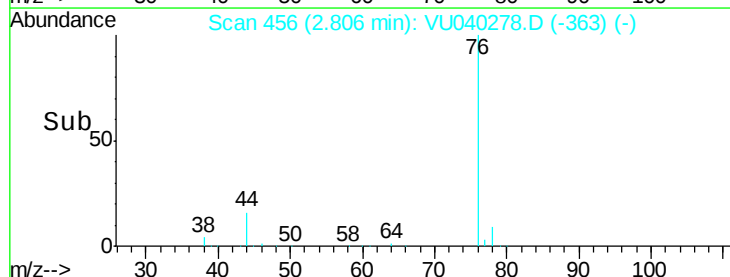
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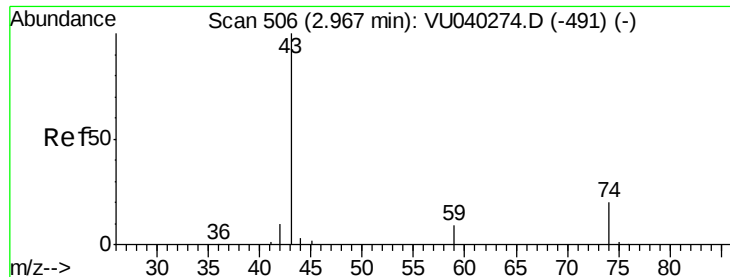
100000

0

Time-->

2.70 2.80 2.90





#15

Methvl Acetate

Concen: 16.888 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

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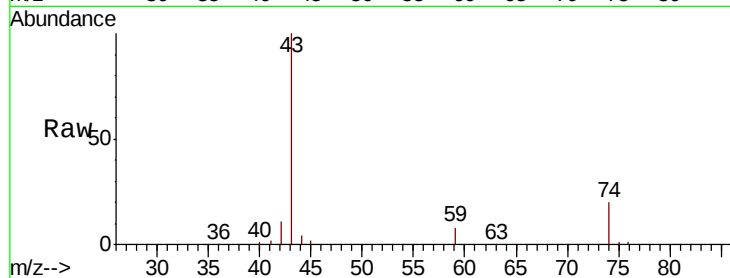
VSTD010104

Tot Ion: 43 Resp: 100406

Ion Ratio Lower Upper

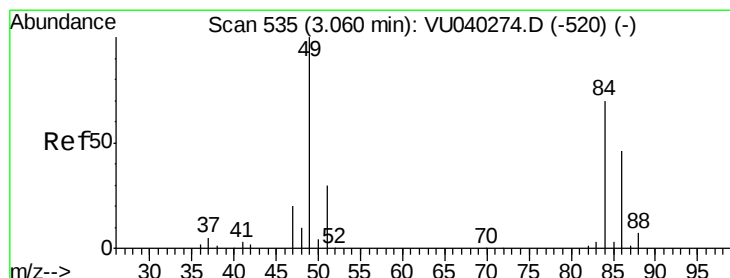
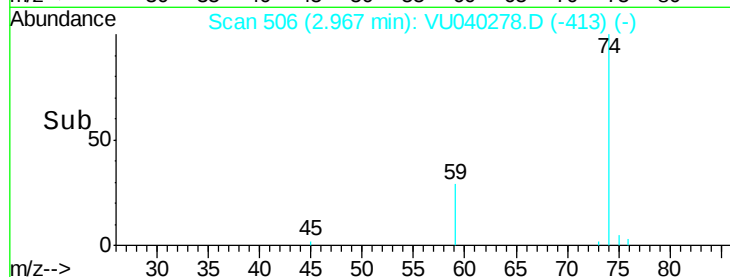
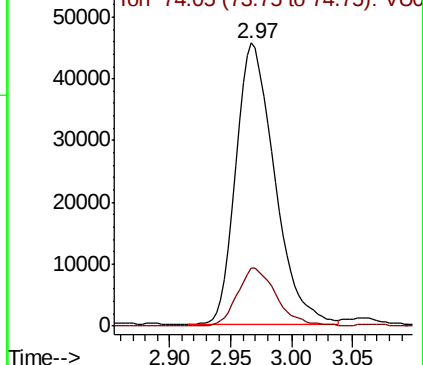
43 100

74 20.7 16.9 25.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 10.127 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

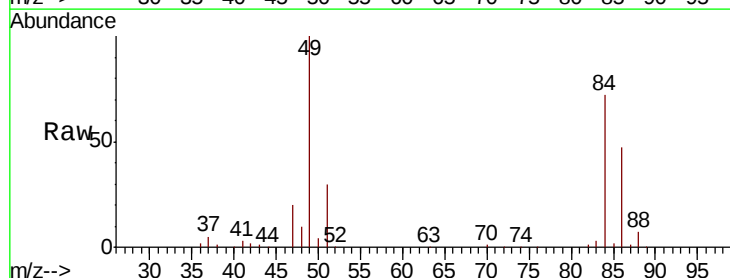
Tgt Ion: 84 Resp: 182448

Ion Ratio Lower Upper

84 100

86 64.8 45.8 85.0

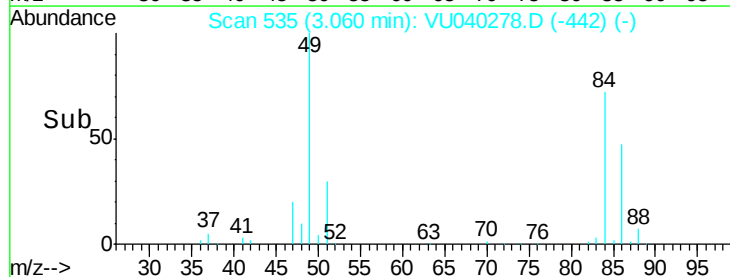
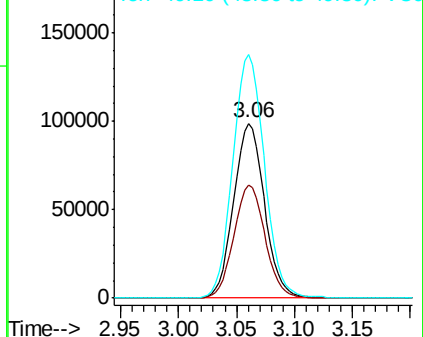
49 139.0 100.4 186.4

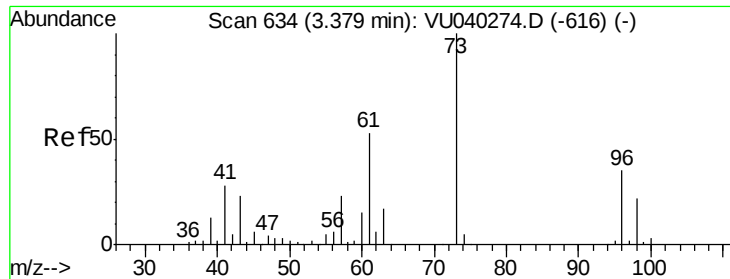


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

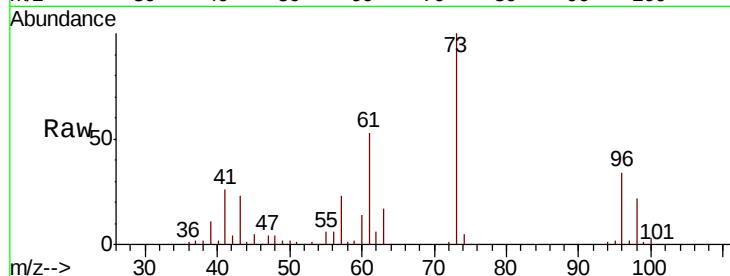




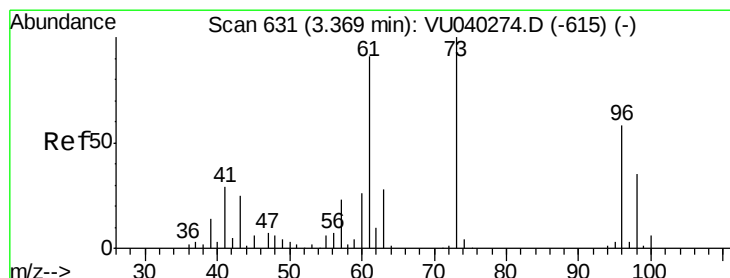
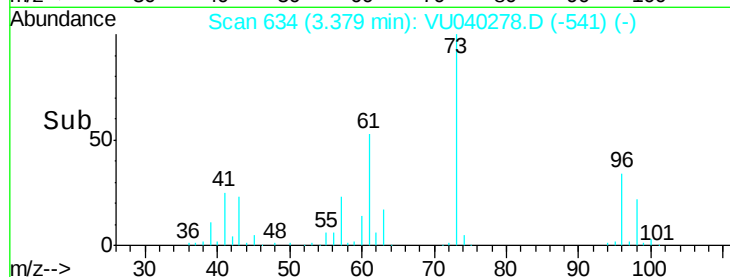
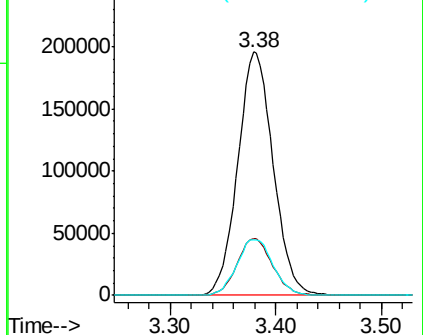
#17
Methvl tert-butvl Ether
Concen: 13.389 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion: 73 Resp: 456250
Ion Ratio Lower Upper
73 100
43 23.5 19.0 28.6
57 23.6 18.6 27.8

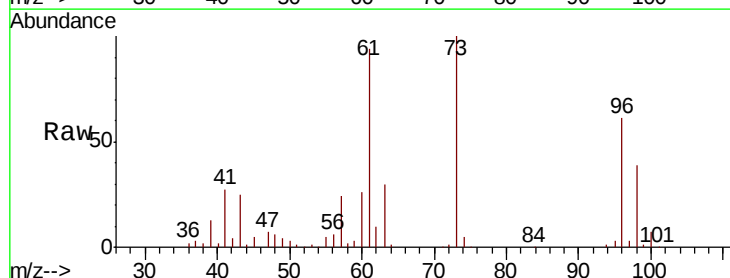


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

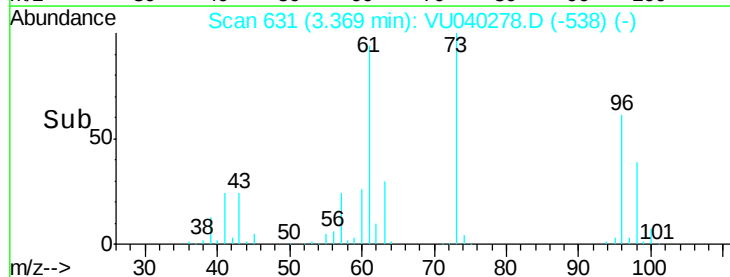
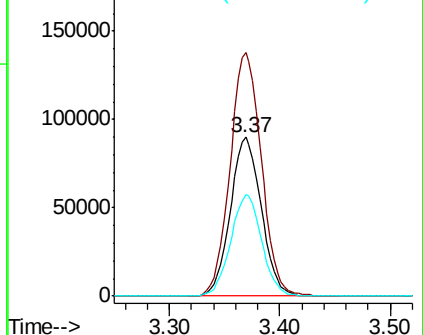


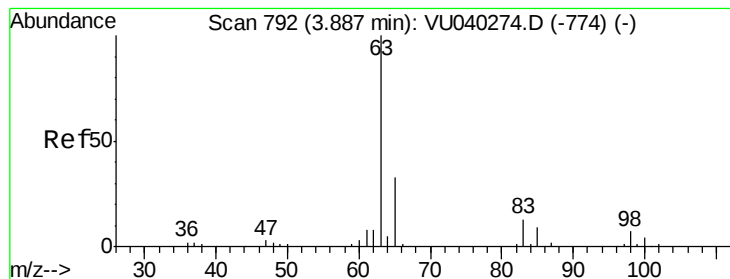
#18
trans-1,2-Dichloroethene
Concen: 12.290 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion: 96 Resp: 175065
Ion Ratio Lower Upper
96 100
61 153.6 110.7 205.5
98 63.8 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: 13.492 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

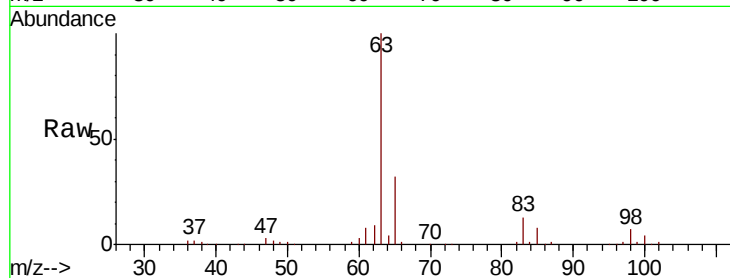
Tot Ion: 63 Resp: 345763

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.6

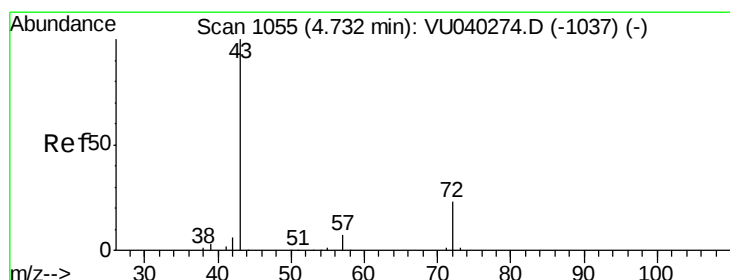
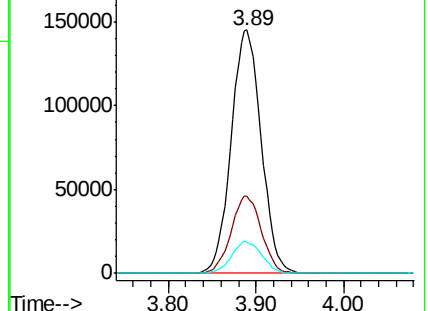
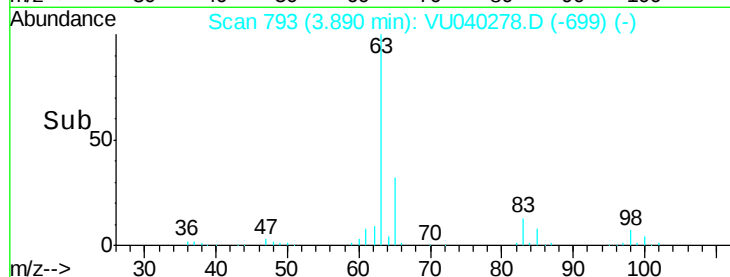
83 12.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU040278.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040278.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040278.D (-699) (-)



#21

2-Butanone

Concen: 183.847 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU040278.D

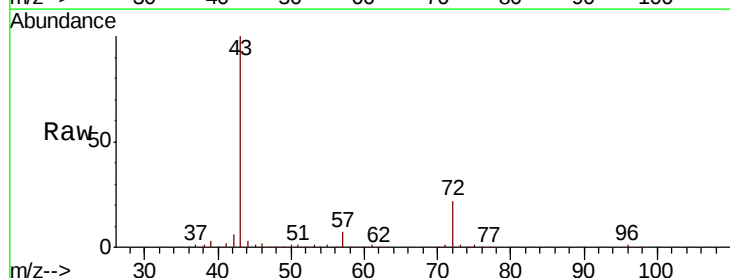
Acq: 24 Sep 2020 18:10

Tgt Ion: 43 Resp: 708219

Ion Ratio Lower Upper

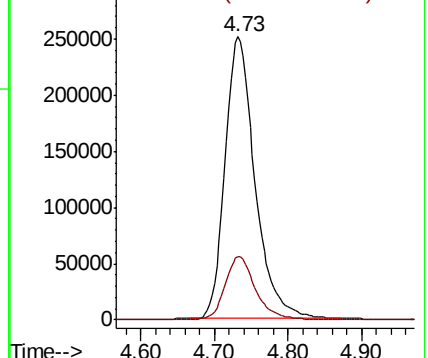
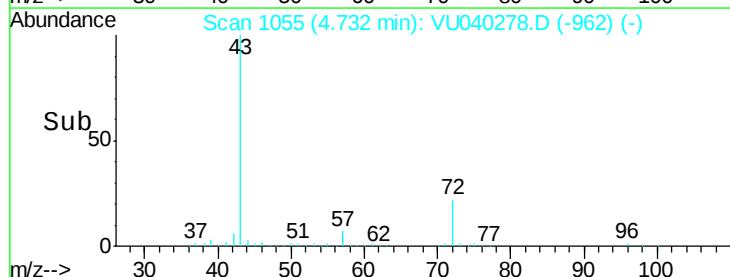
43 100

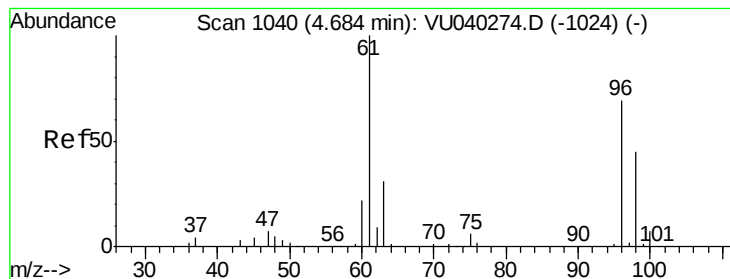
72 23.0 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU040278.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU040278.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 12.014 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

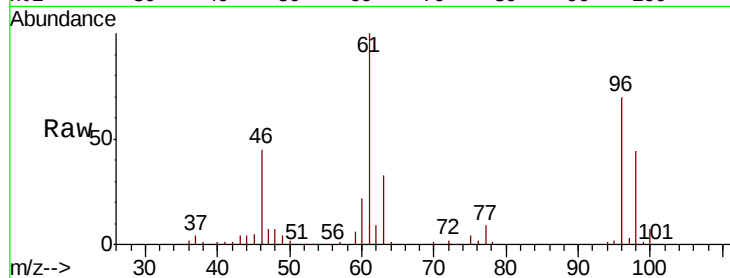
Tot Ion: 96 Resp: 188705

Ion Ratio Lower Upper

96 100

61 143.2 101.9 189.3

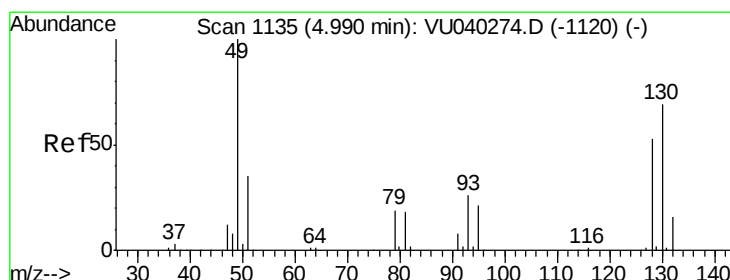
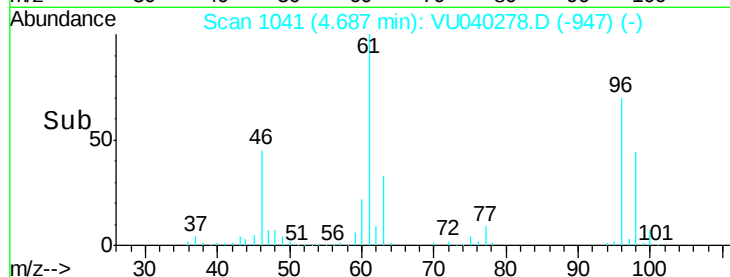
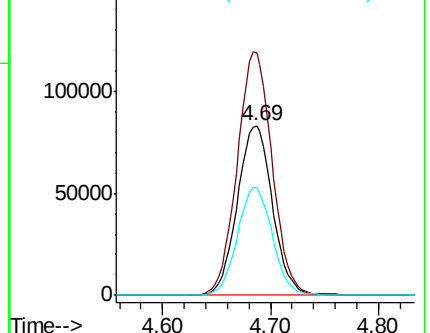
98 63.6 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VU040278.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040278.D (-947) (-)

Ion 98.00 (97.70 to 98.70): VU040278.D (-947) (-)



#23

Bromochloromethane

Concen: 12.686 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Tgt Ion: 128 Resp: 85385

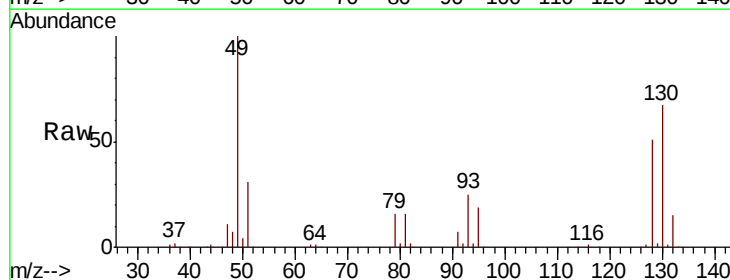
Ion Ratio Lower Upper

128 100

49 196.2 133.0 247.0

130 131.0 91.8 170.6

51 61.6 53.3 79.9

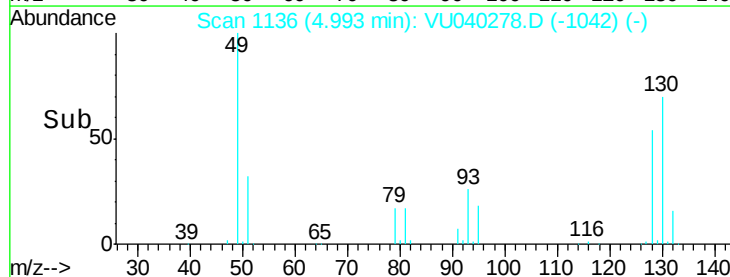
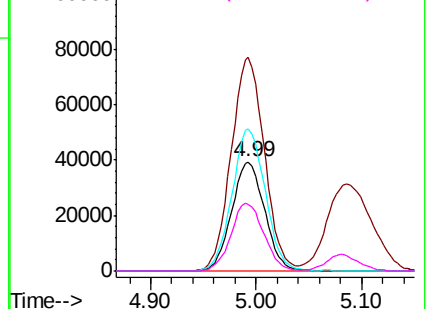


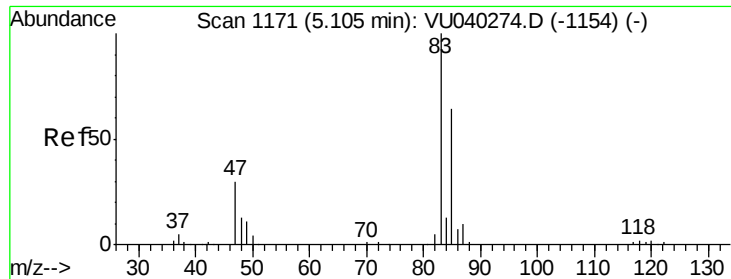
Abundance Ion 127.90 (127.60 to 128.60): VU040278.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040278.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040278.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040278.D (-1042) (-)

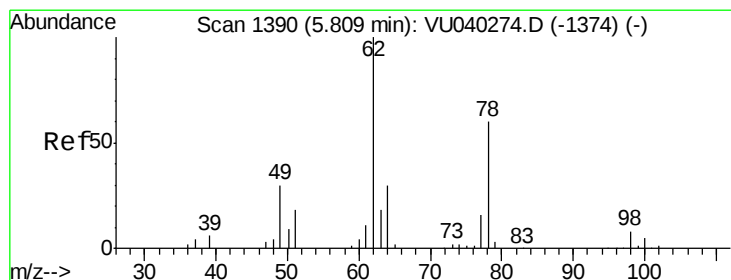
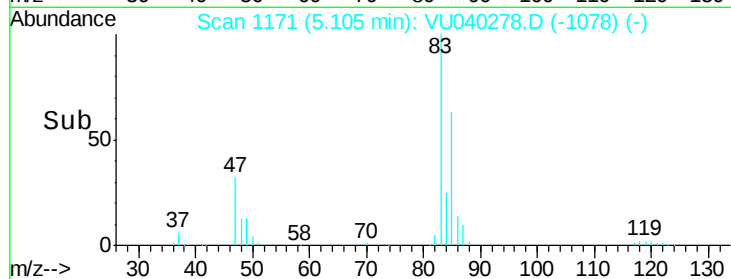
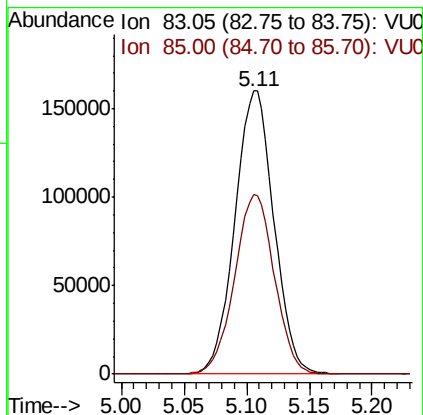
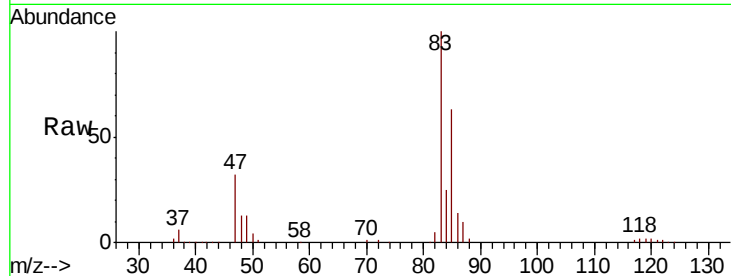




#25
Chloroform
Concen: 13.466 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

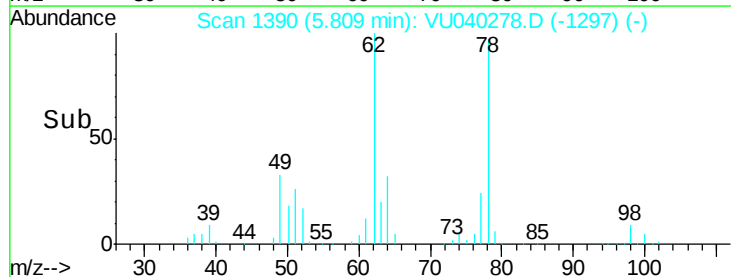
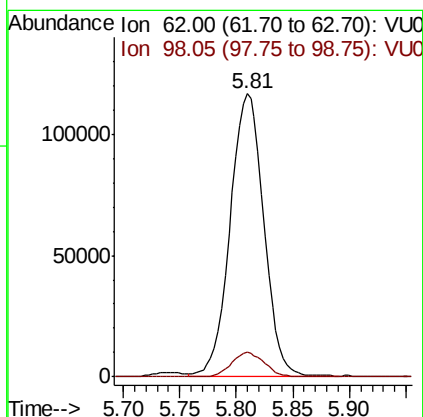
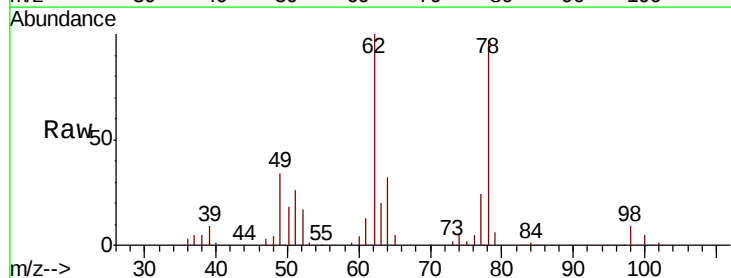
Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

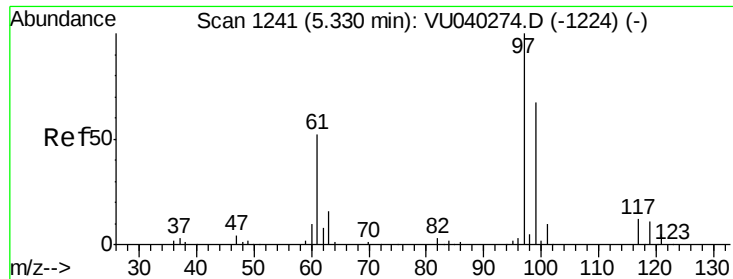
Tot Ion: 83 Resp: 345968
Ion Ratio Lower Upper
83 100
85 63.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 14.415 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion: 62 Resp: 240790
Ion Ratio Lower Upper
62 100
98 8.7 6.5 9.7

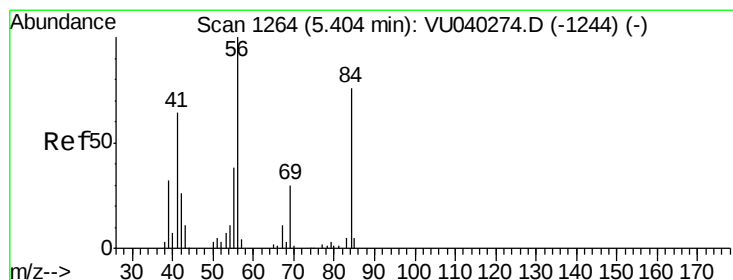
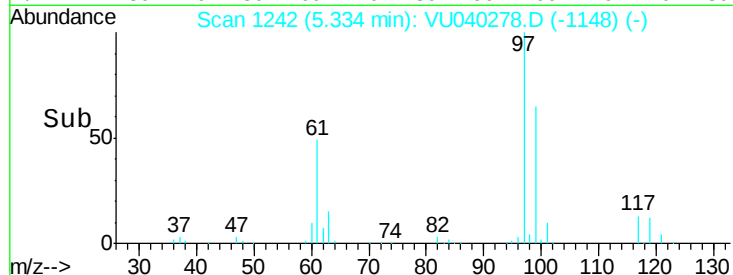
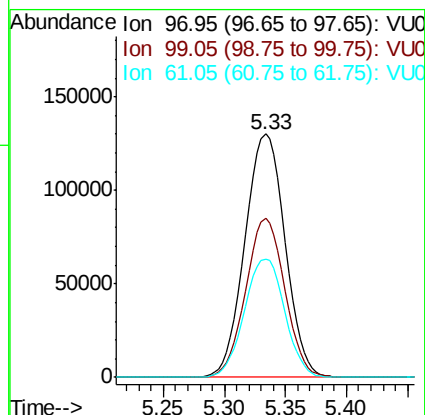
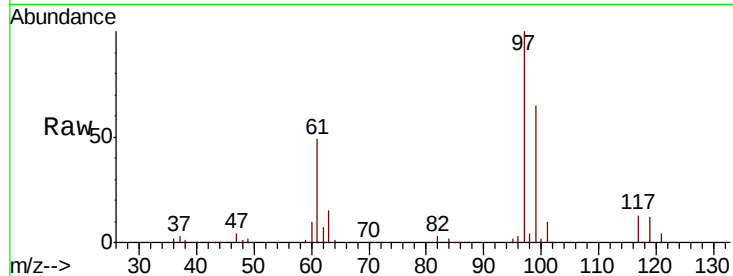




#29
 1,1,1-Trichloroethane
 Concen: 13.301 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

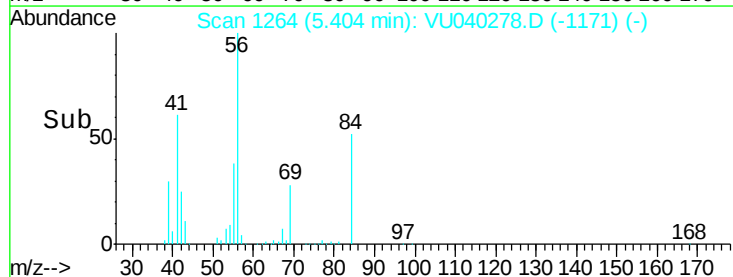
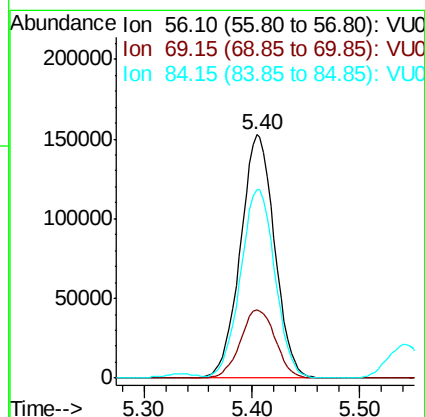
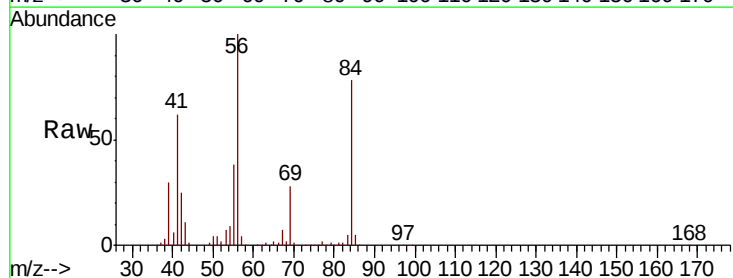
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

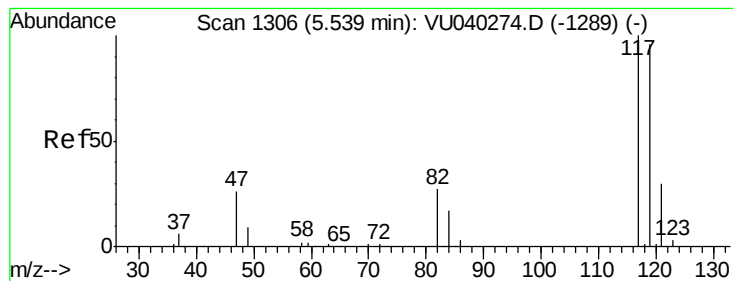
Tot Ion: 97 Resp: 296609
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.1 78.1
 61 48.9 40.2 60.4



#30
 Cyclohexane
 Concen: 13.303 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

Tgt Ion: 56 Resp: 336506
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.0 34.6
 84 78.4 63.3 94.9





#31

Carbon tetrachloride

Concen: 13.412 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

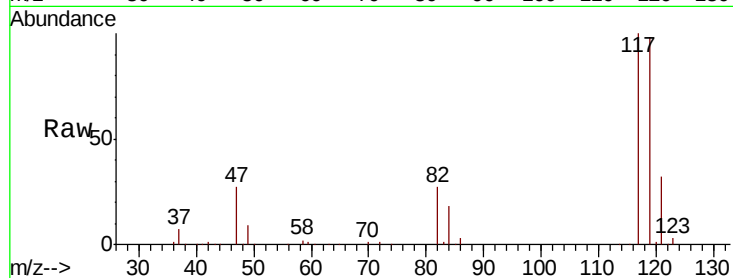
VSTD010104

Tot Ion:117 Resp: 254209

Ion Ratio Lower Upper

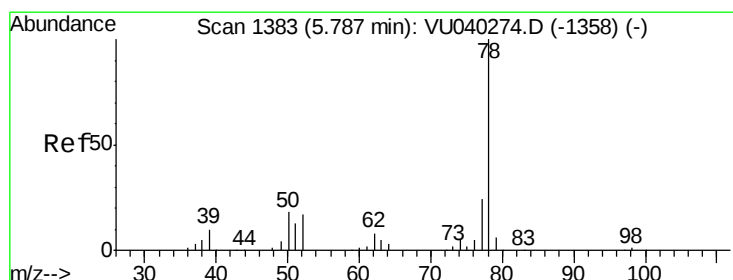
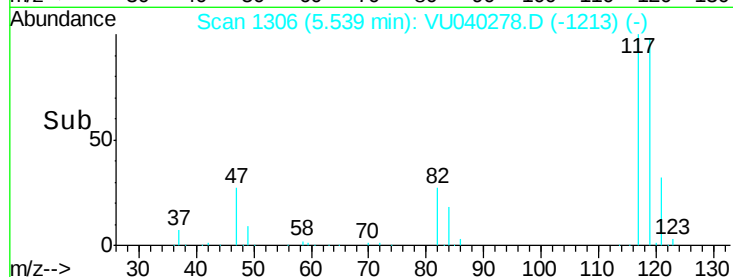
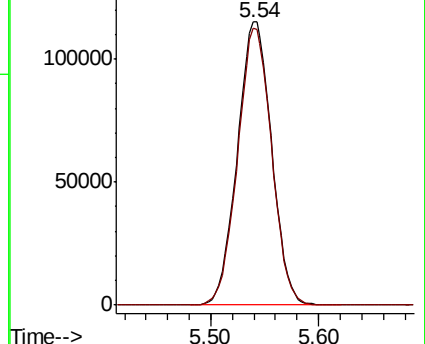
117 100

119 96.7 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: 12.062 ug/L

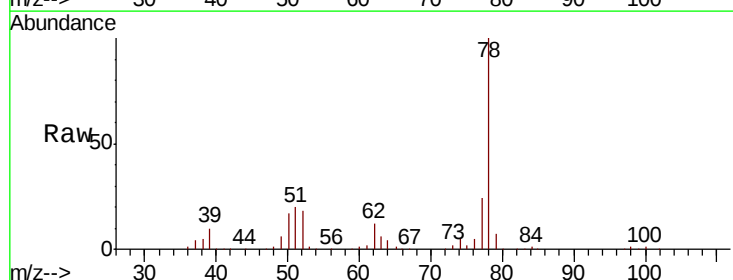
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

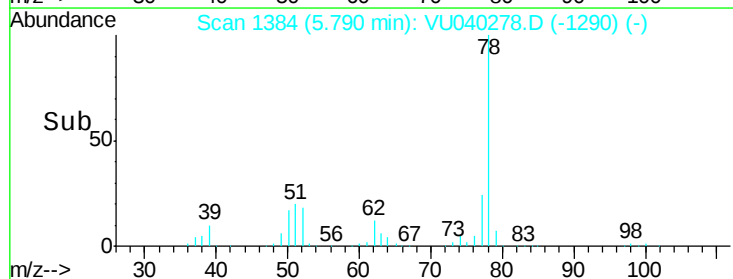
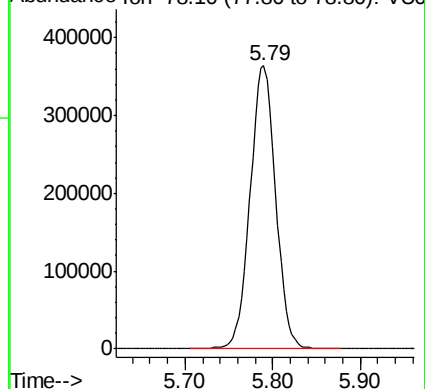
Lab File: VU040278.D

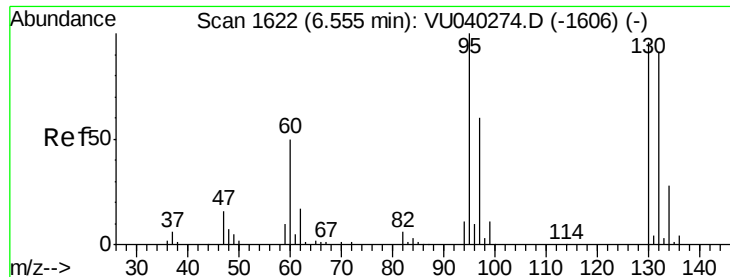
Acq: 24 Sep 2020 18:10

Tgt Ion: 78 Resp: 737924



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 11.835 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

Tot Ion: 95 Resp: 190405

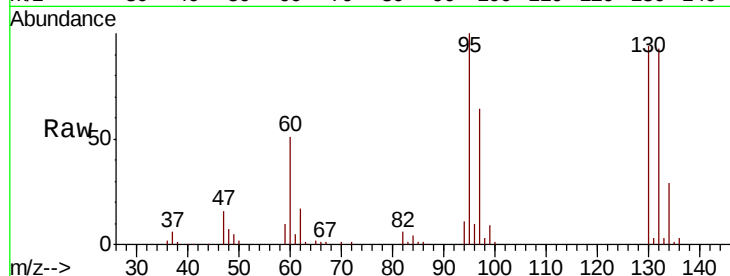
Ion Ratio Lower Upper

95 100

97 64.2 42.1 78.3

132 92.7 63.8 118.4

130 93.9 67.3 125.1

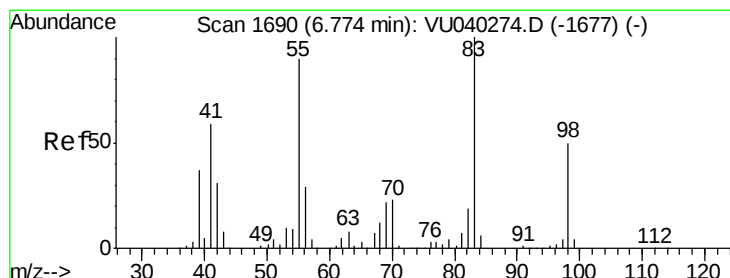
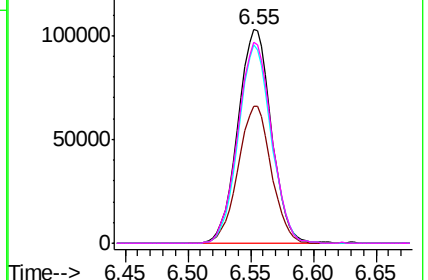
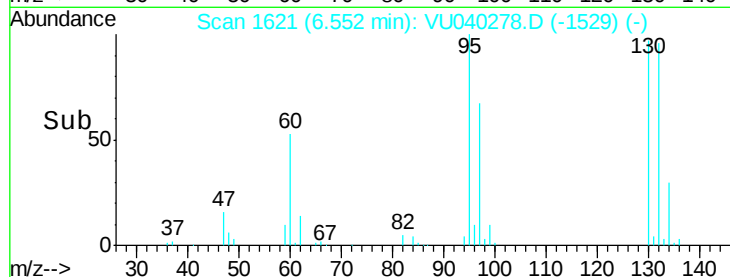


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 11.524 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

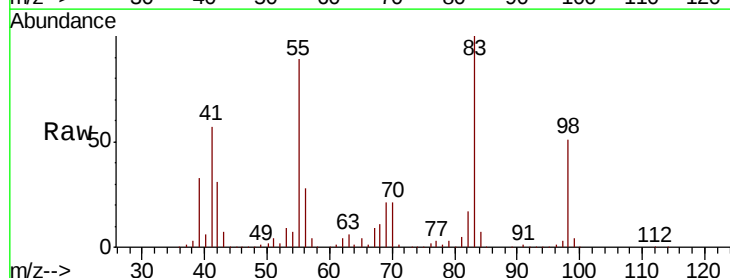
Tgt Ion: 83 Resp: 311479

Ion Ratio Lower Upper

83 100

55 88.5 71.7 107.5

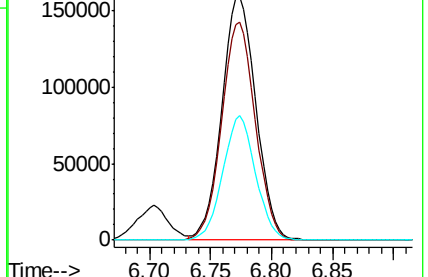
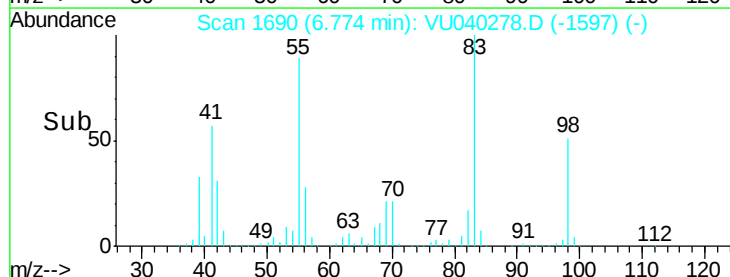
98 48.9 38.6 58.0

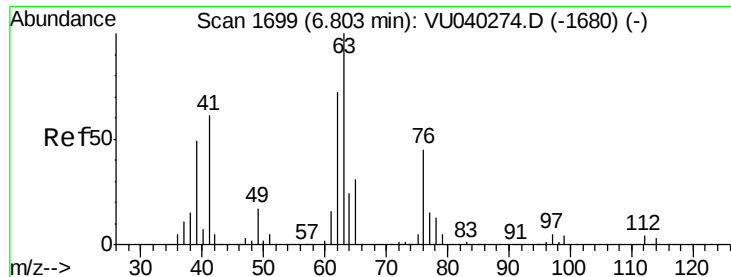


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

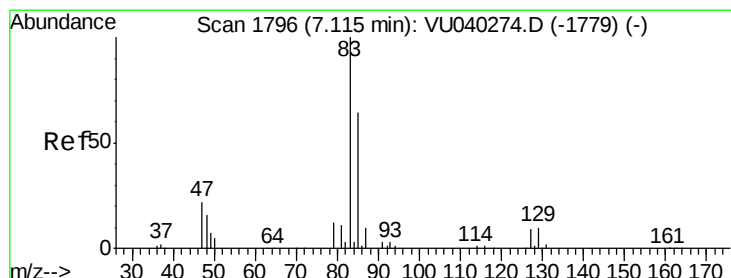
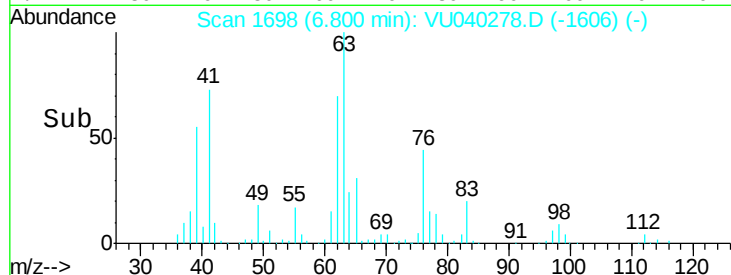
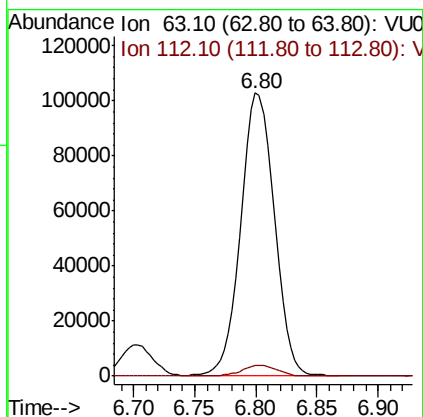
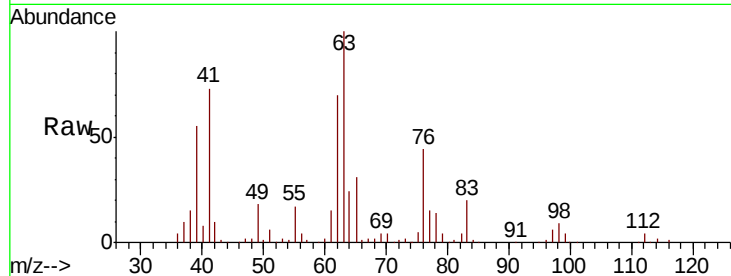




#37
 1,2-Dichloropropane
 Concen: 12.726 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

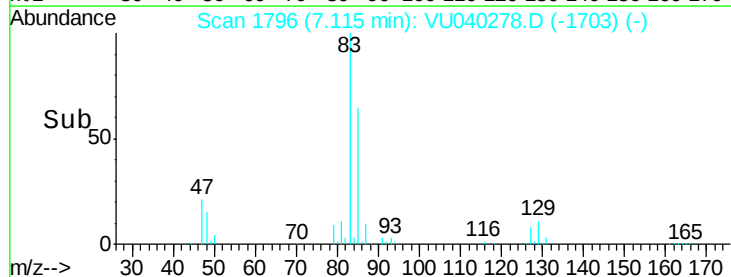
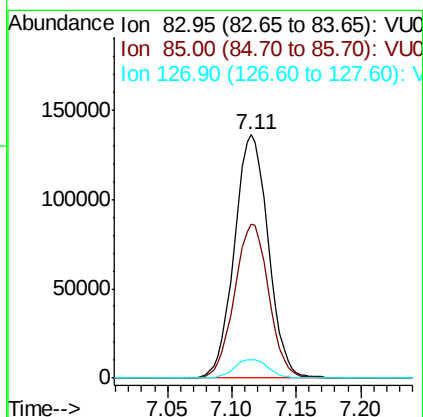
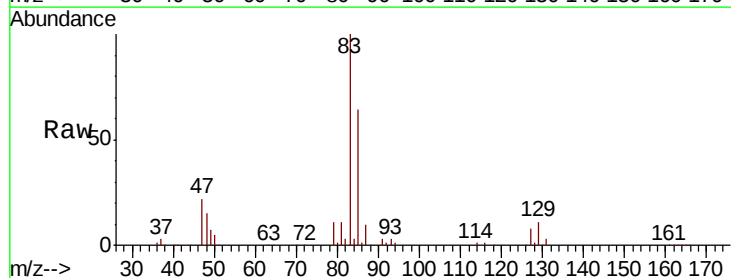
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

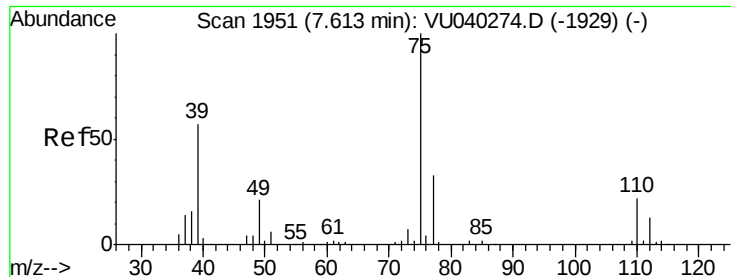
Tot Ion: 63 Resp: 195160
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.5 5.3



#38
 Bromodichloromethane
 Concen: 13.105 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

Tgt Ion: 83 Resp: 248858
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.6 82.8
 127 7.7 6.8 10.2

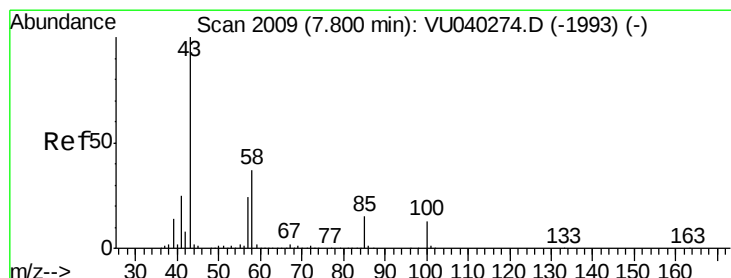
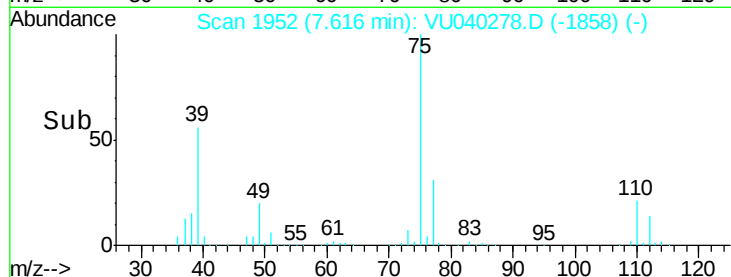
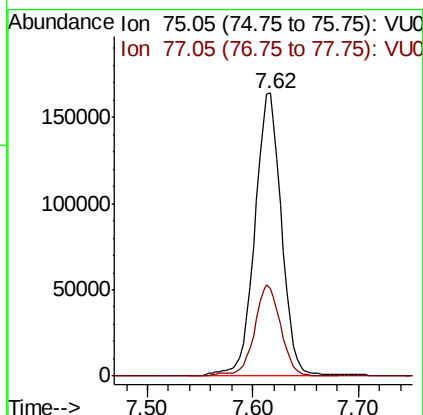
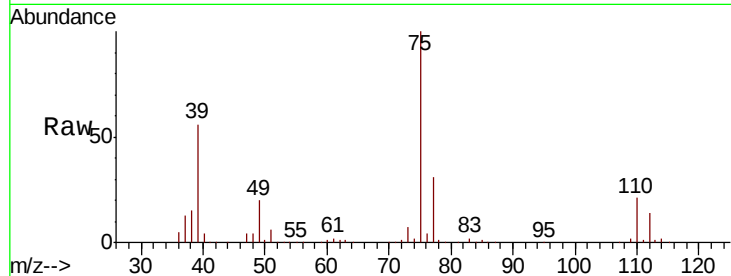




#39
 cis-1,3-Dichloropropene
 Concen: 12.472 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

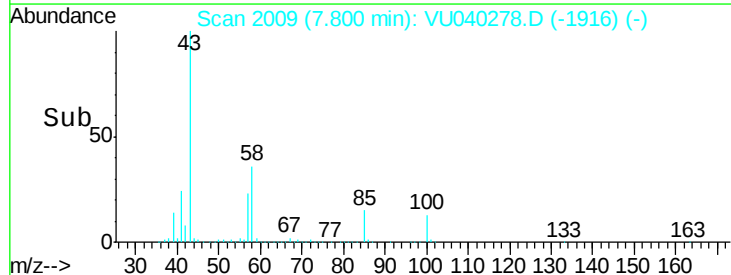
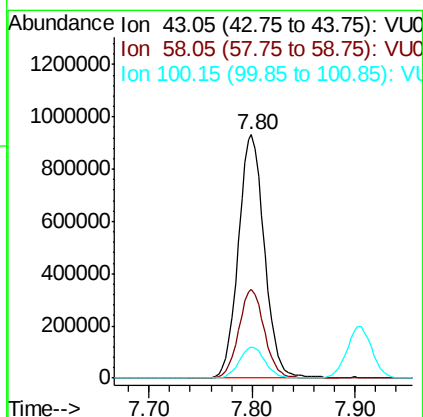
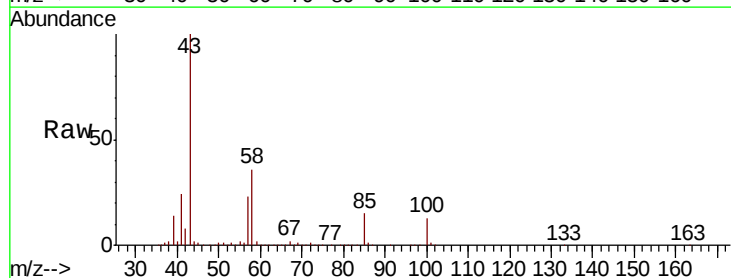
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

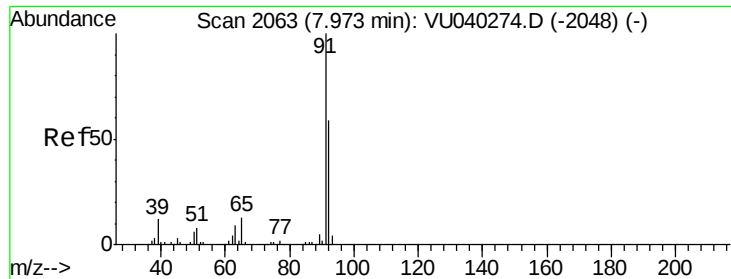
Tot Ion: 75 Resp: 289924
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 168.257 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

Tgt Ion: 43 Resp: 1634352
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.8 43.2
 100 12.8 10.3 15.5





#42

Toluene

Concen: 11.513 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

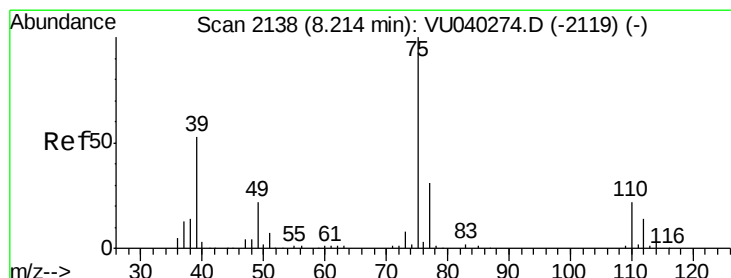
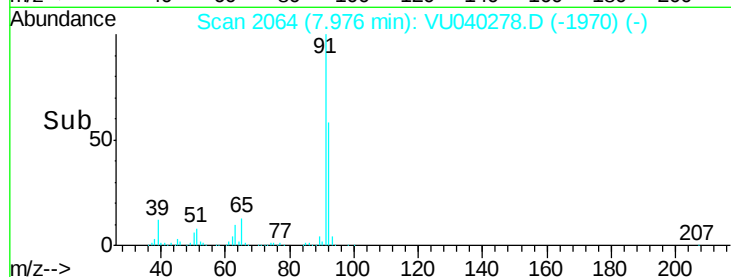
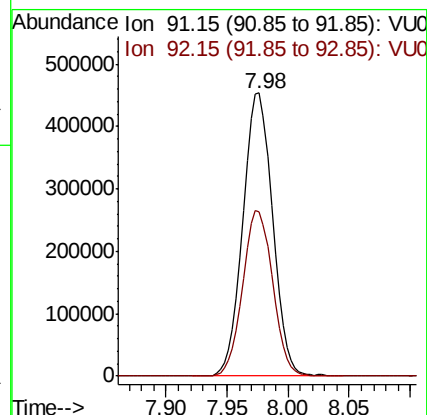
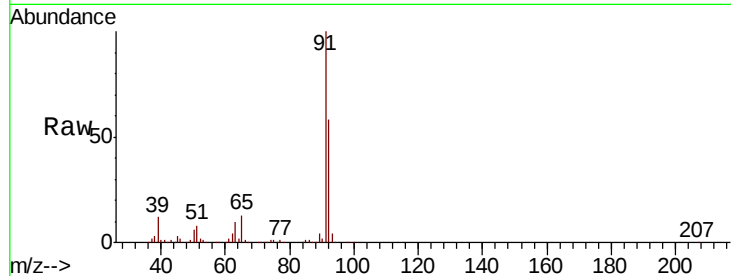
VSTD010104

Tot Ion: 91 Resp: 764995

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 14.090 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040278.D

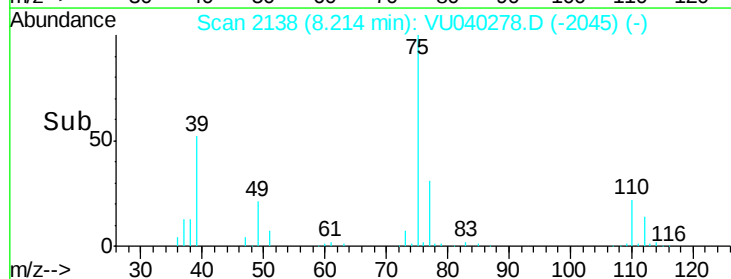
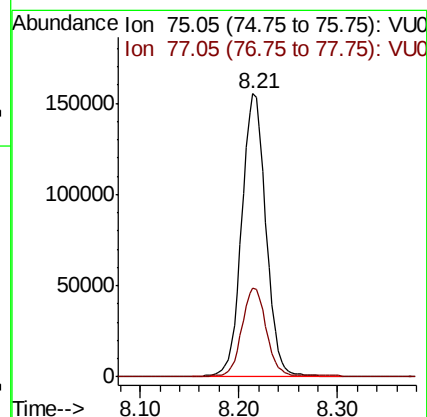
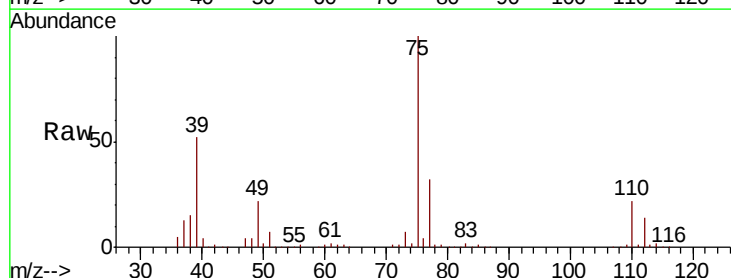
Acq: 24 Sep 2020 18:10

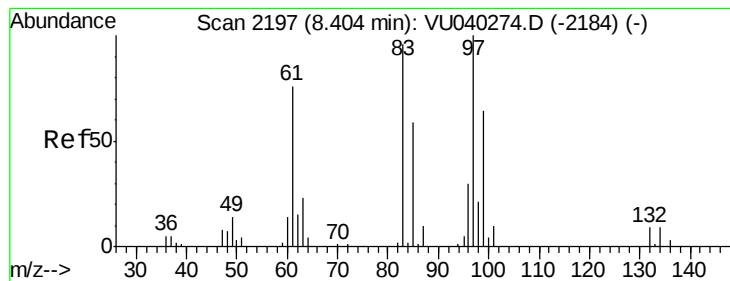
Tgt Ion: 75 Resp: 265304

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 12.023 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

Tot Ion: 97 Resp: 135041

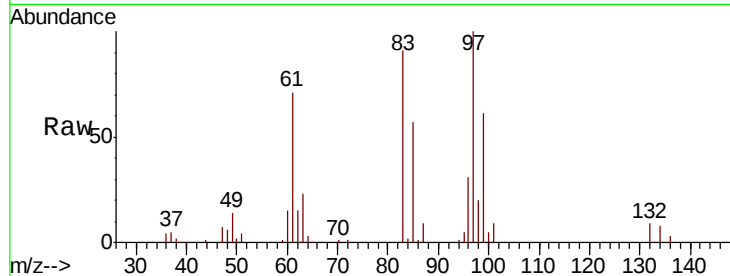
Ion Ratio Lower Upper

97 100

99 61.5 44.9 83.3

83 90.6 67.3 124.9

85 57.3 41.5 77.1

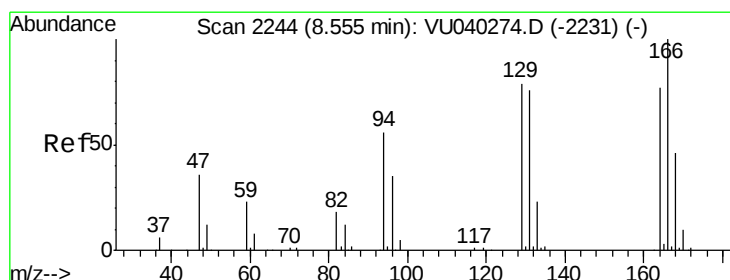
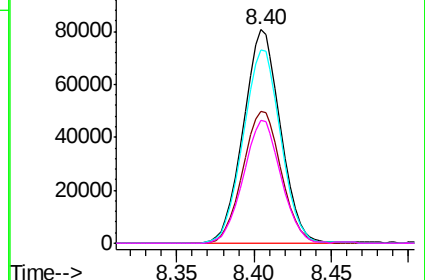
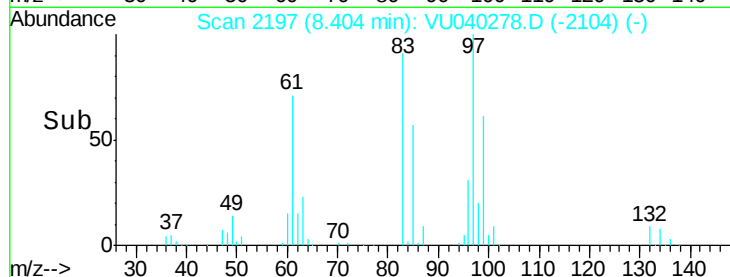


Abundance Ion 96.95 (96.65 to 97.65): VU0

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



#47

Tetrachloroethene

Concen: 10.901 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Tgt Ion: 164 Resp: 138802

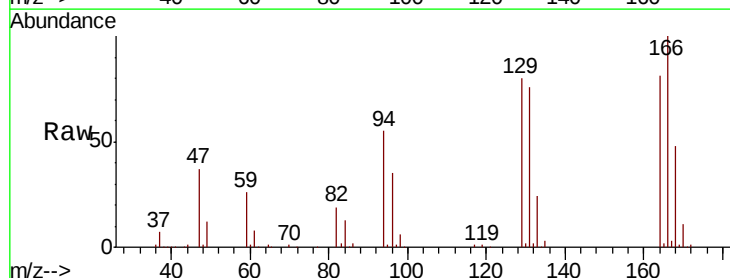
Ion Ratio Lower Upper

164 100

129 98.1 71.5 132.7

131 94.0 69.1 128.3

166 123.2 90.9 168.9

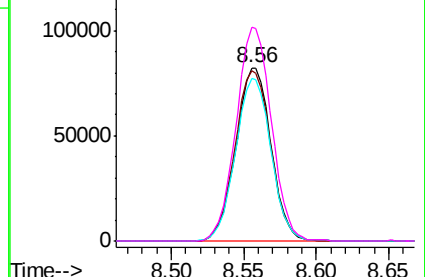
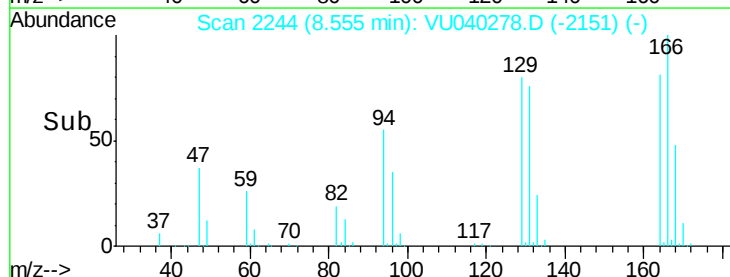


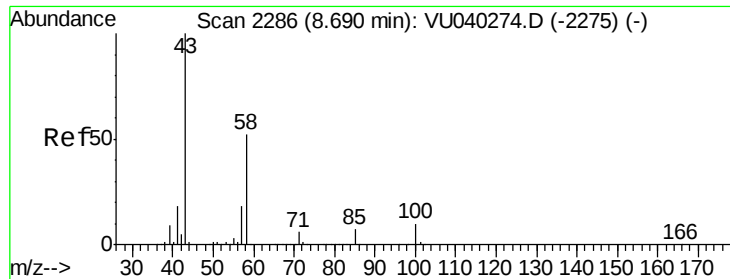
Abundance Ion 163.90 (163.60 to 164.60): V

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

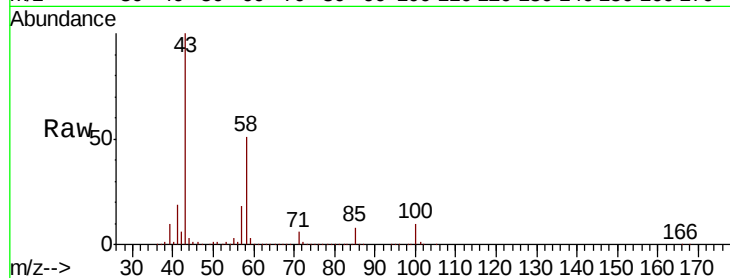




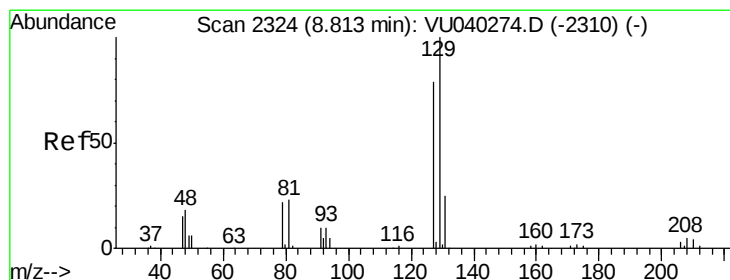
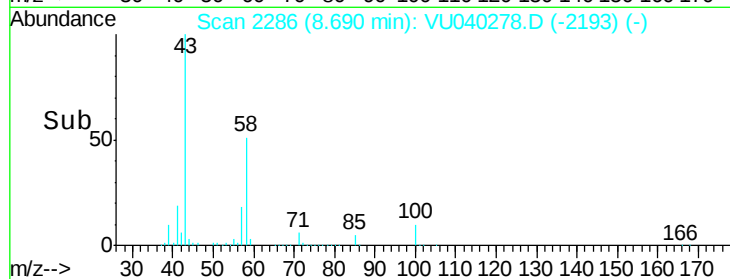
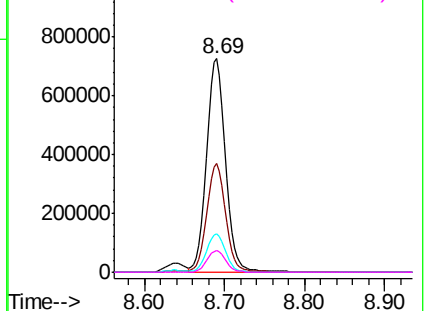
#48
2-Hexanone
Concen: 175.392 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion: 43 Resp: 1207464
Ion Ratio Lower Upper
43 100
58 50.2 39.9 59.9
57 17.7 13.8 20.8
100 10.2 7.9 11.9

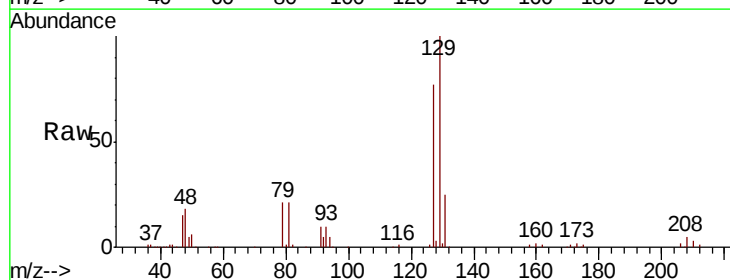


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

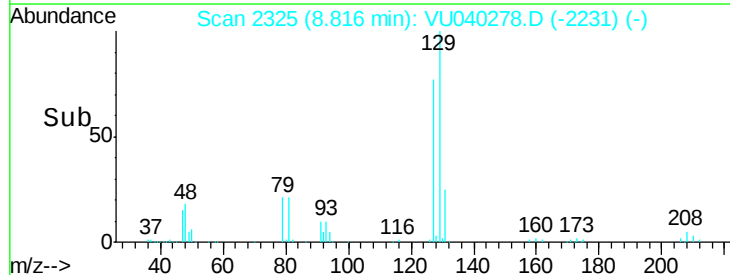
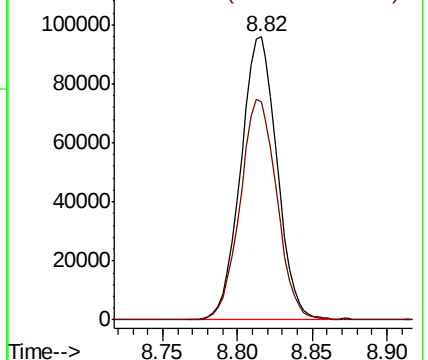


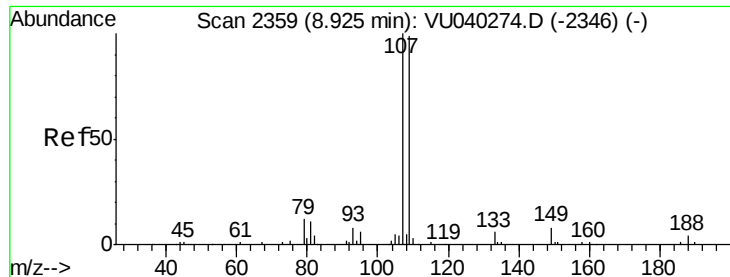
#49
Dibromochloromethane
Concen: 12.541 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion: 129 Resp: 162300
Ion Ratio Lower Upper
129 100
127 77.2 55.0 102.2



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

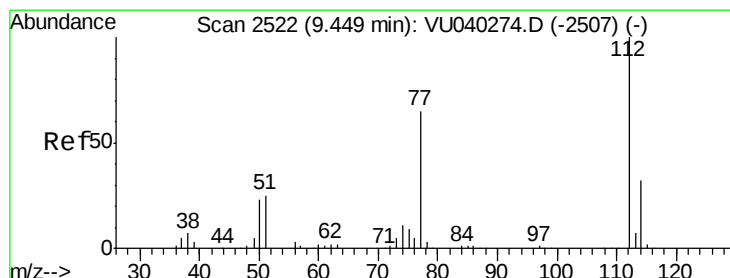
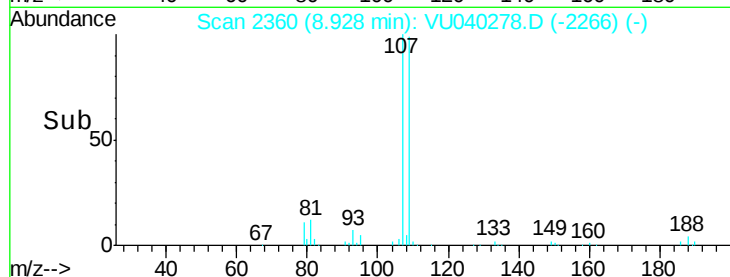
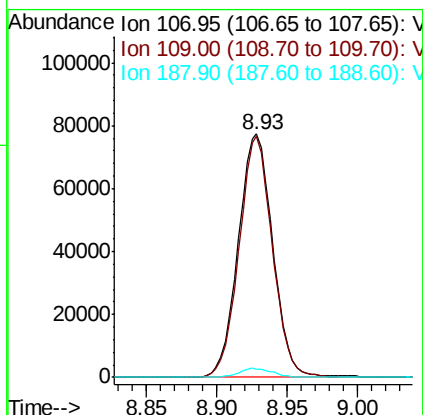
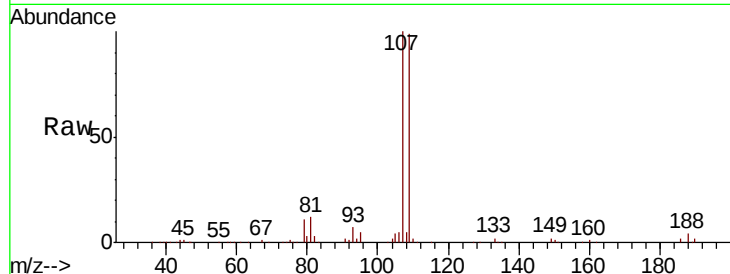




#50
1,2-Dibromoethane
Concen: 12.036 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

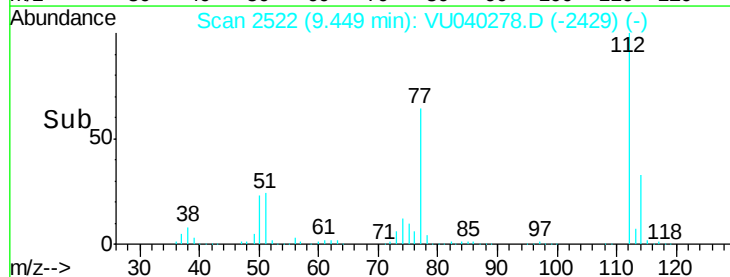
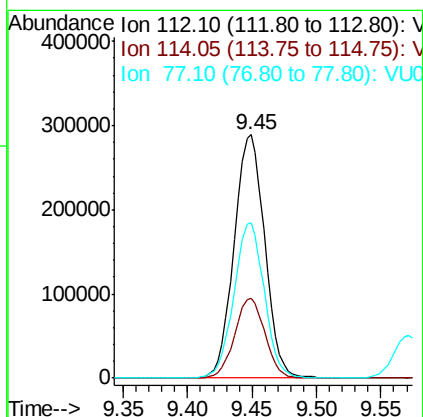
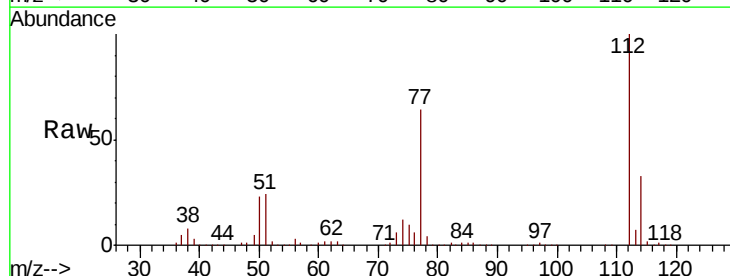
Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

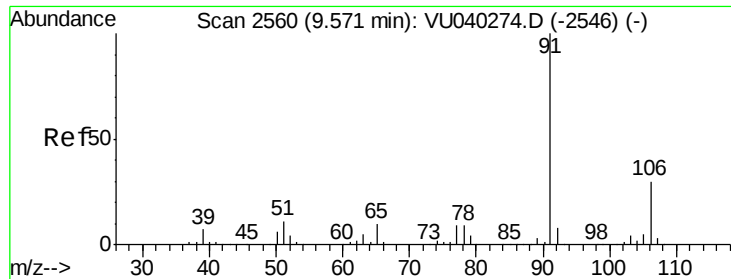
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.9	69.4	129.0
188	3.5	2.9	4.3



#51
Chlorobenzene
Concen: 11.312 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.7	42.3
77	63.9	52.0	78.0

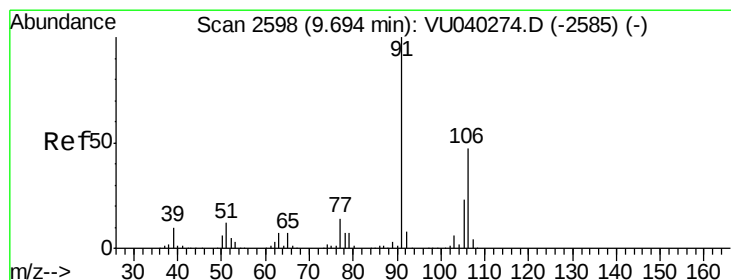
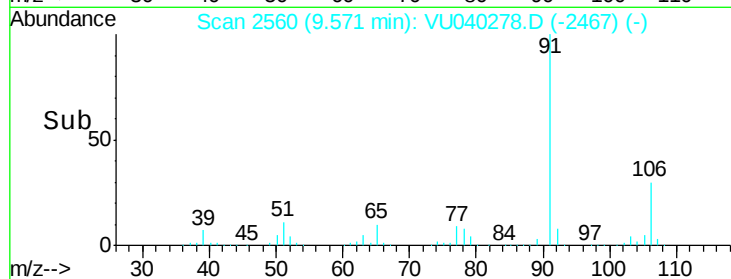
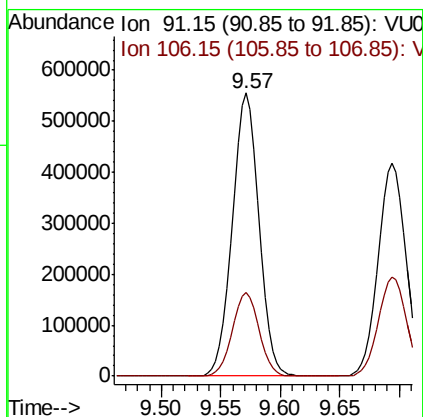
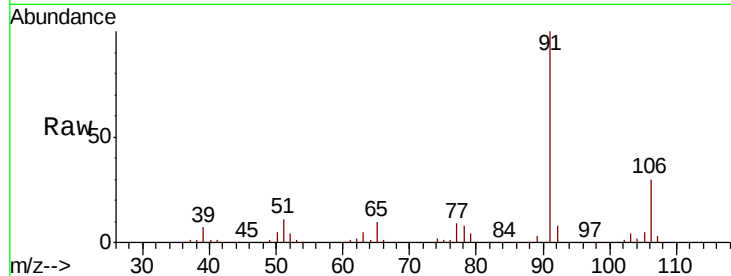




#52
Ethylbenzene
Concen: 11.915 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

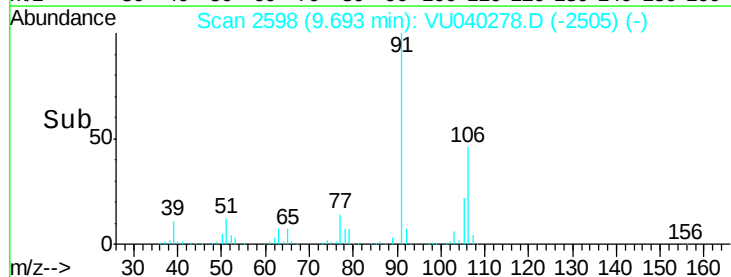
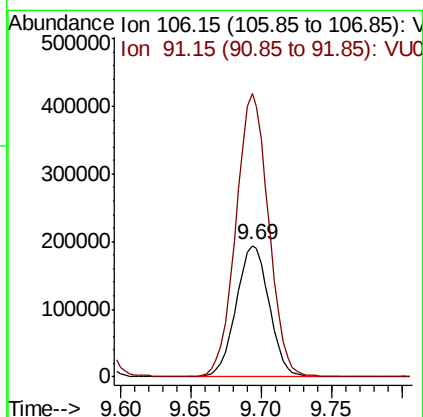
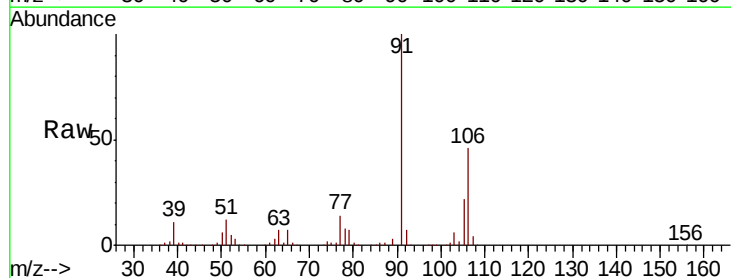
Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

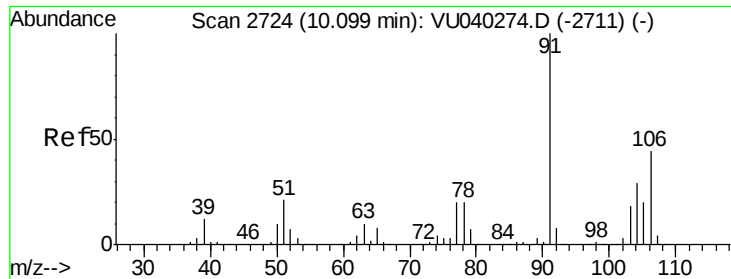
Tot Ion: 91 Resp: 861686
Ion Ratio Lower Upper
91 100
106 29.6 20.6 38.4



#53
m,p-Xylene
Concen: 11.501 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion: 106 Resp: 318574
Ion Ratio Lower Upper
106 100
91 215.6 150.4 279.2

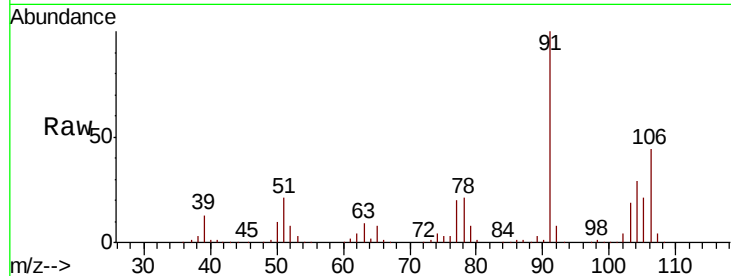




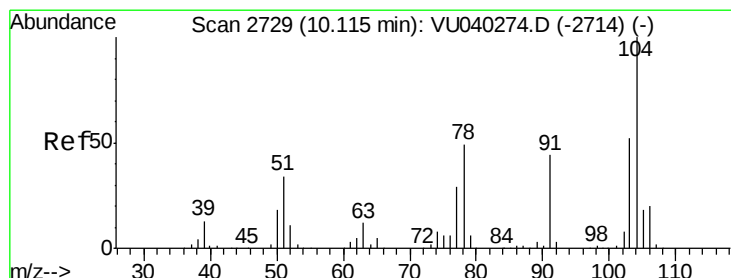
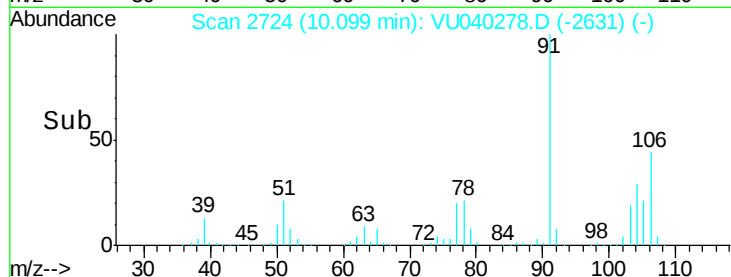
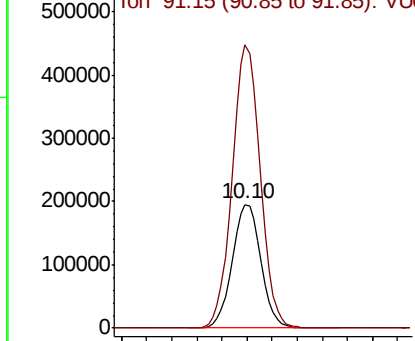
#54
o-Xylene
Concen: 11.383 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion:106 Resp: 307685
Ion Ratio Lower Upper
106 100
91 228.5 160.5 298.1

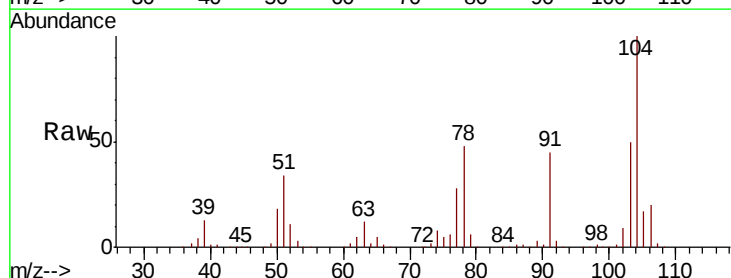


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

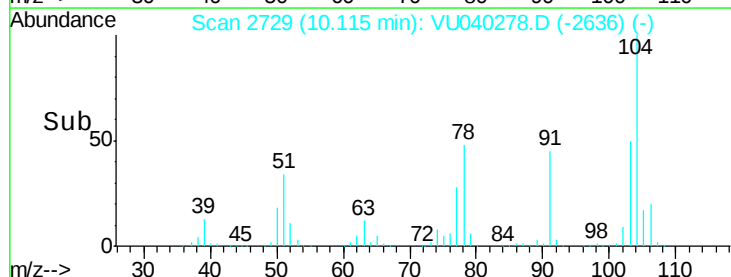
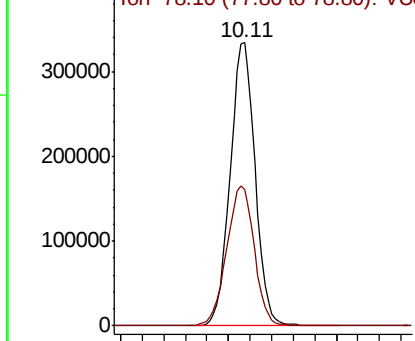


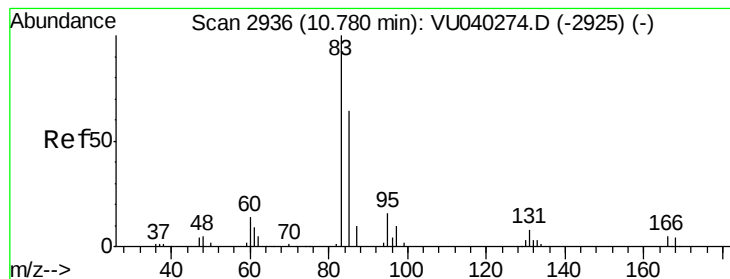
#55
Styrene
Concen: 12.010 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion:104 Resp: 540033
Ion Ratio Lower Upper
104 100
78 48.1 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: 12.514 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

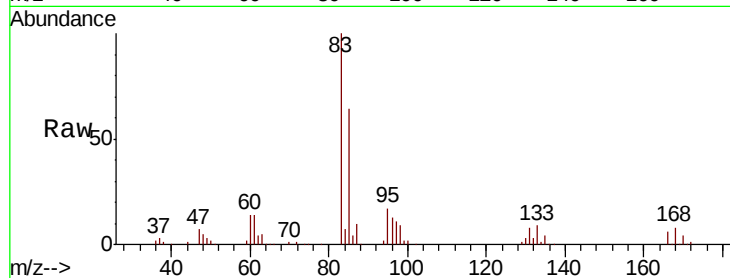
Tot Ion: 83 Resp: 180233

Ion Ratio Lower Upper

83 100

85 64.1 45.5 84.5

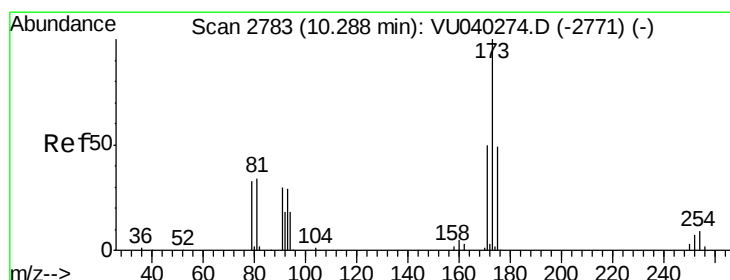
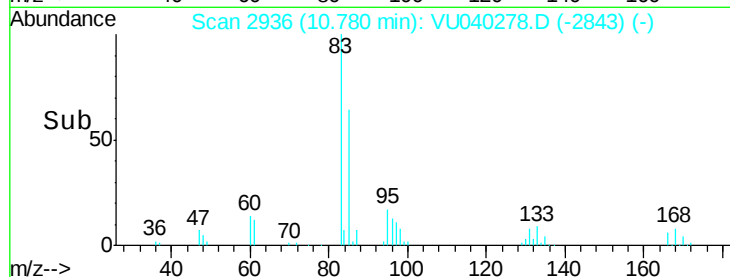
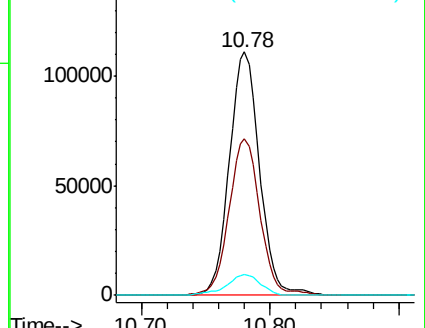
131 8.4 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VU040278.D (-2925) (-)

Ion 85.00 (84.70 to 85.70): VU040278.D (-2925) (-)

Ion 130.95 (130.65 to 131.65): VU040278.D (-2925) (-)



#59

Bromoform

Concen: 11.876 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

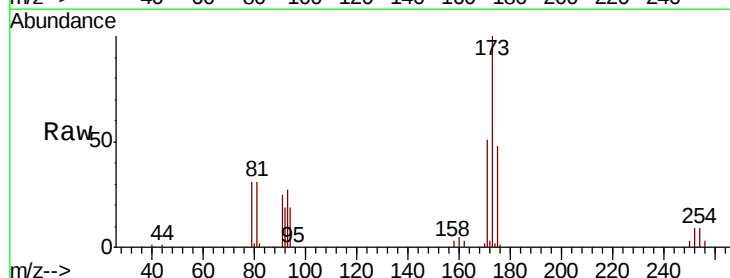
Tgt Ion:173 Resp: 91917

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

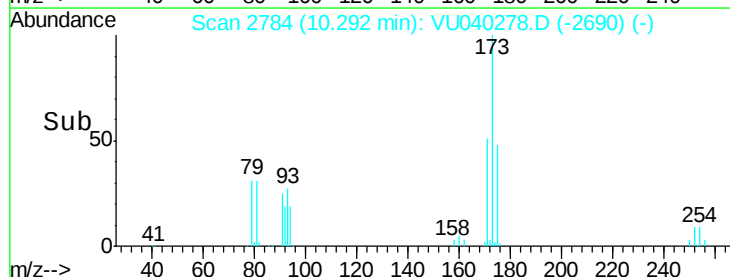
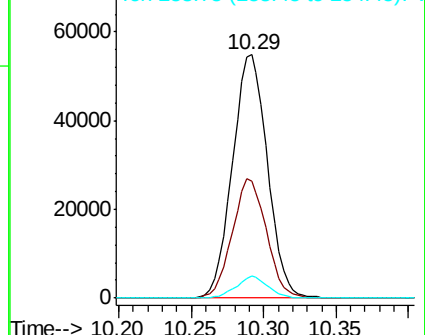
254 8.1 7.1 10.7

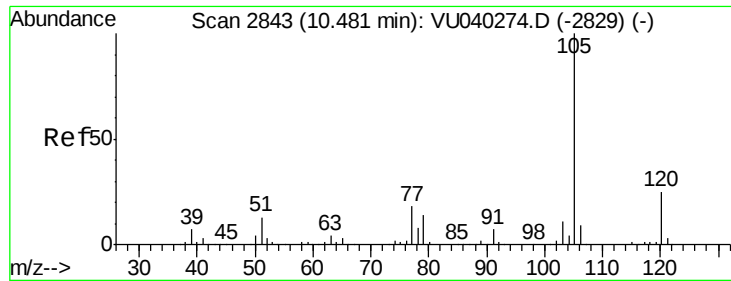


Abundance Ion 172.90 (172.60 to 173.60): VU040278.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040278.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040278.D (-2771) (-)





#60

Isopropylbenzene

Concen: 11.019 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

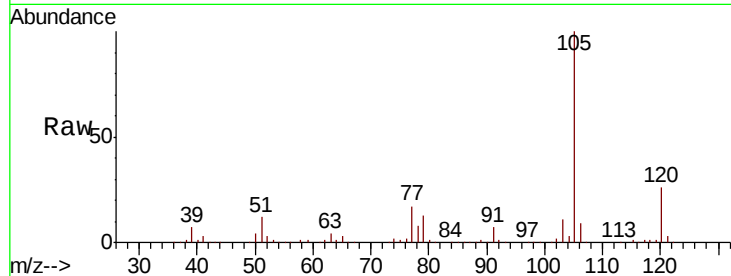
Tot Ion:105 Resp: 835126

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

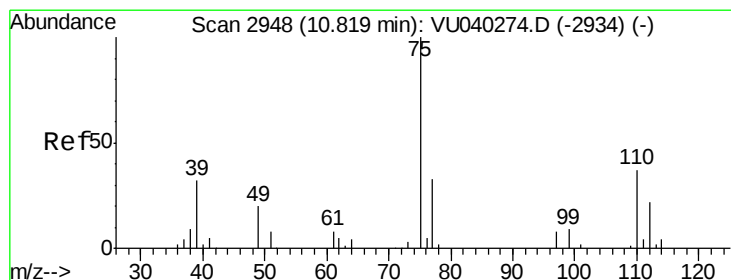
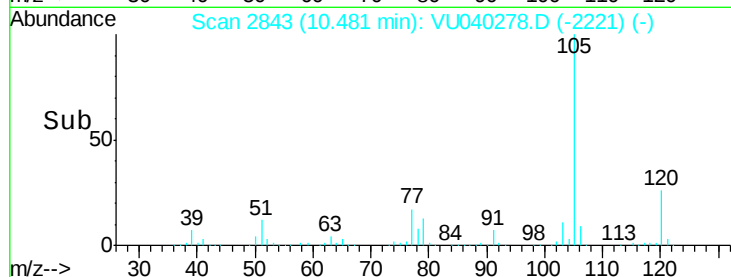
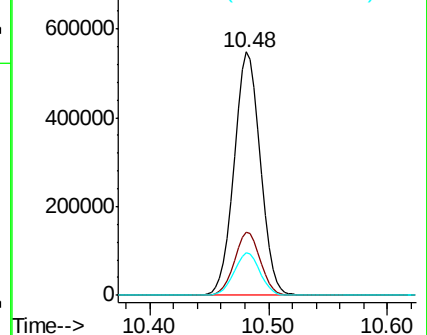
77 17.3 14.2 21.2



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): V



#61

1,2,3-Trichloropropane

Concen: 12.587 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

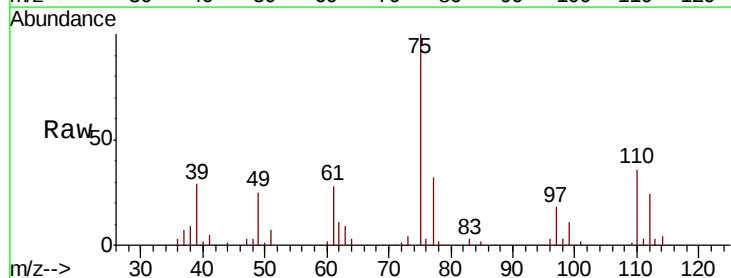
Tgt Ion: 75 Resp: 138987

Ion Ratio Lower Upper

75 100

110 36.4 29.3 43.9

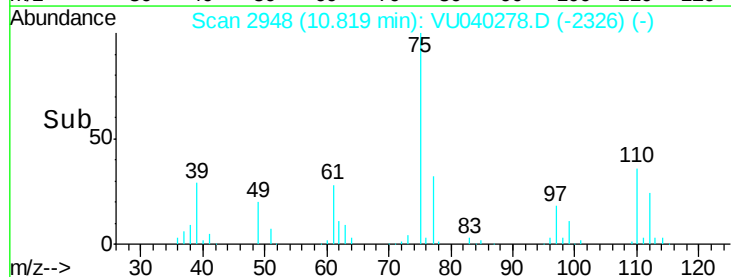
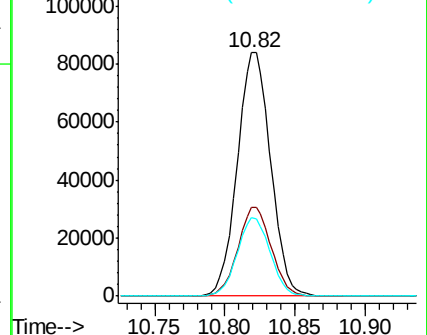
77 31.8 25.9 38.9

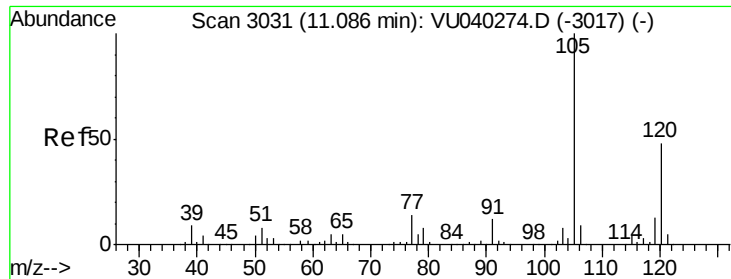


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3,5-Trimethylbenzene

Concen: 11.051 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

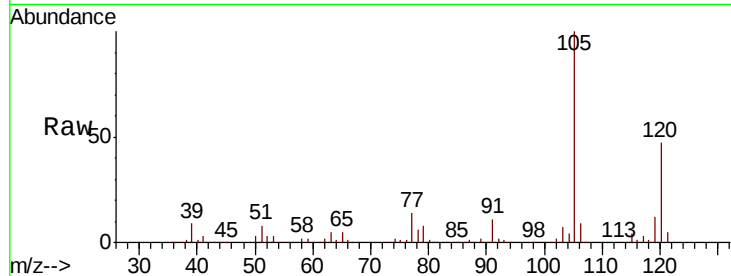
VSTD010104

Tot Ion:105 Resp: 711696

Ion Ratio Lower Upper

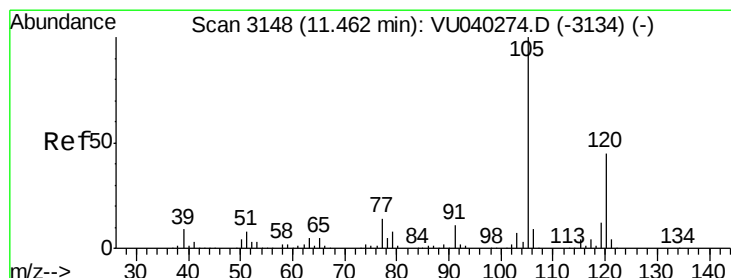
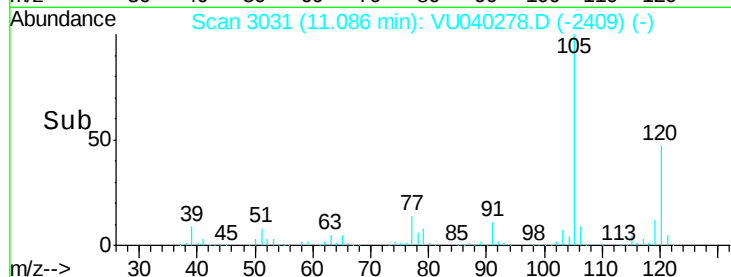
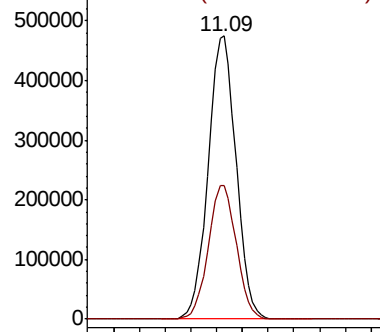
105 100

120 47.4 37.8 56.8



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: 11.185 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040278.D

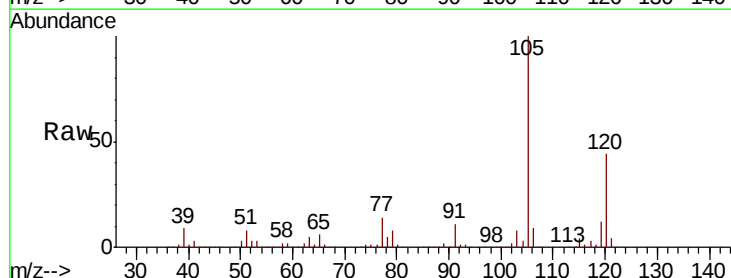
Acq: 24 Sep 2020 18:10

Tgt Ion:105 Resp: 718877

Ion Ratio Lower Upper

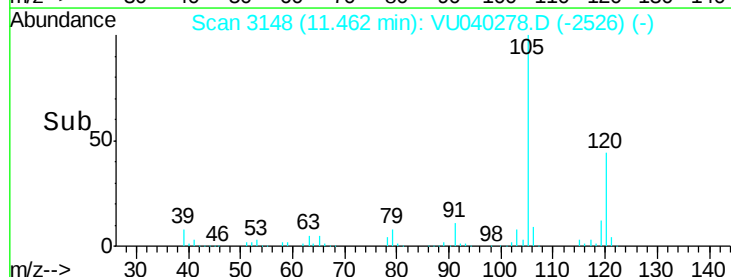
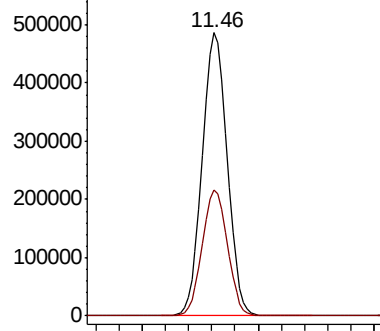
105 100

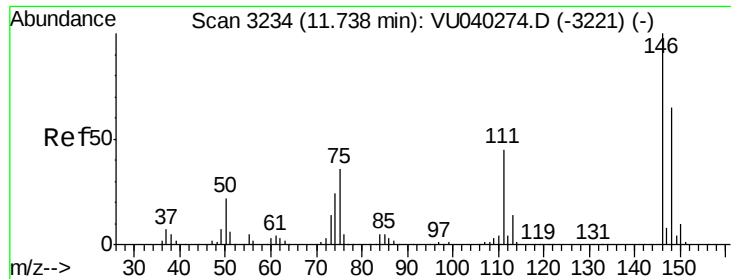
120 44.9 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

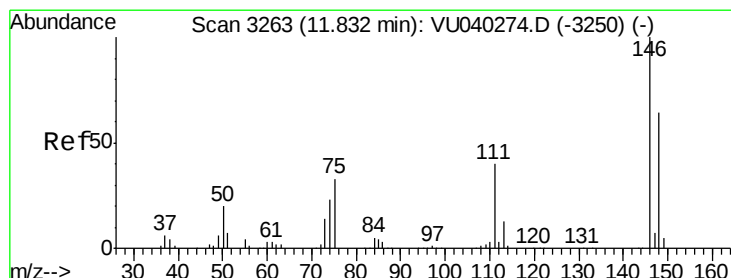
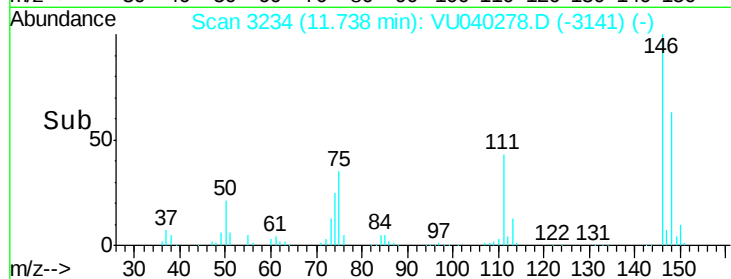
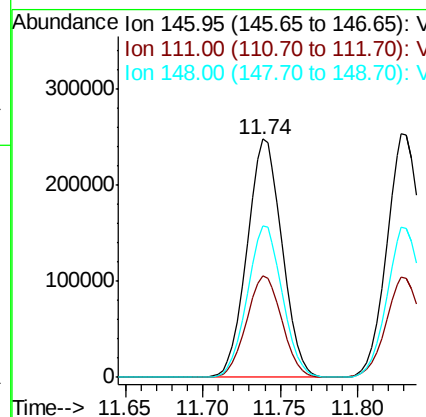
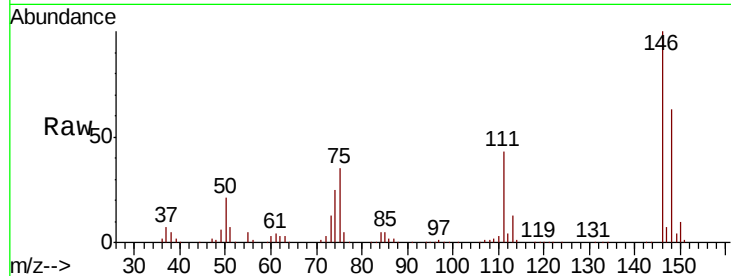




#64
 1,3-Dichlorobenzene
 Concen: 10.987 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

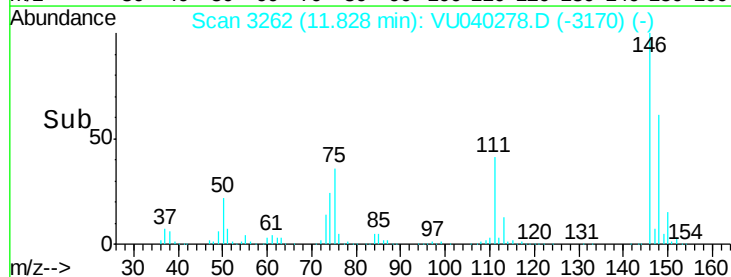
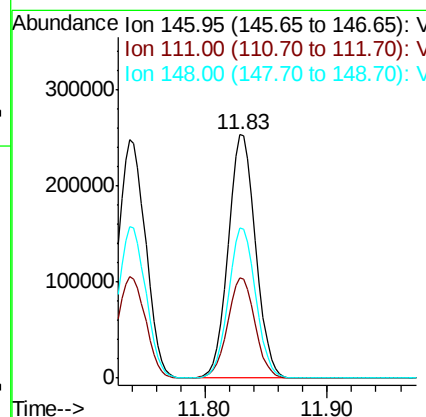
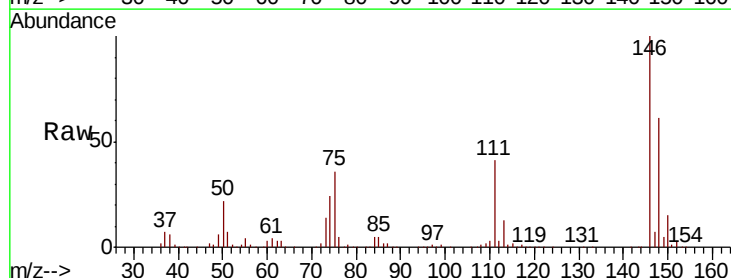
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

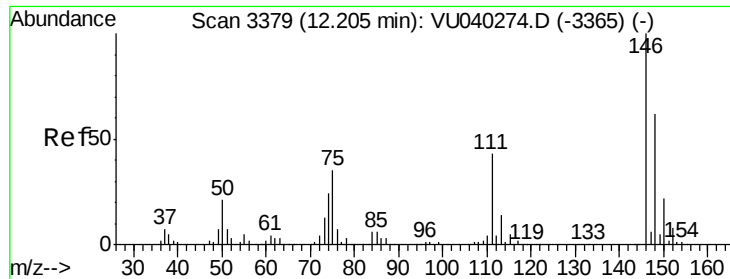
Tot Ion:146 Resp: 390014
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.6 58.8
 148 63.4 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 11.152 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

Tgt Ion:146 Resp: 398913
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.2 52.4
 148 61.5 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 10.708 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD010104

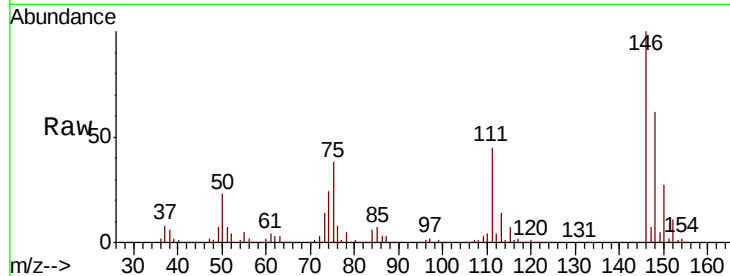
Tot Ion:146 Resp: 365644

Ion Ratio Lower Upper

146 100

111 44.5 34.2 51.4

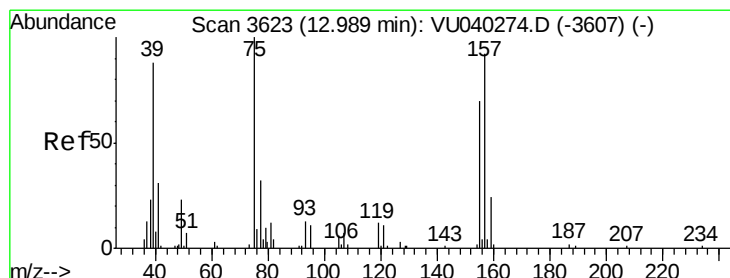
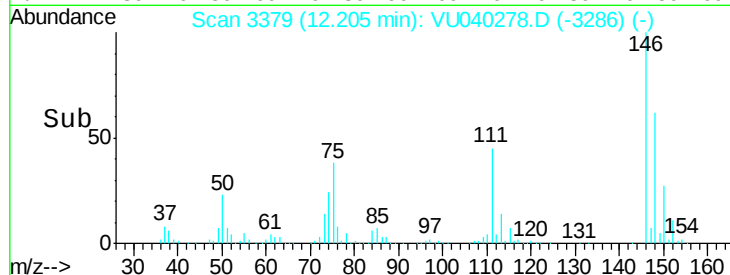
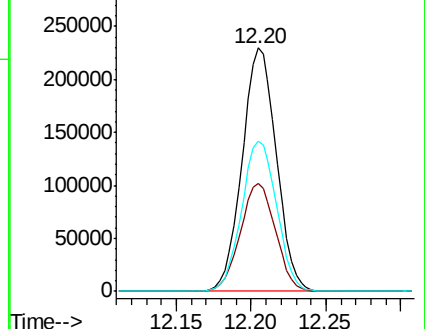
148 61.9 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 13.923 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040278.D

Acq: 24 Sep 2020 18:10

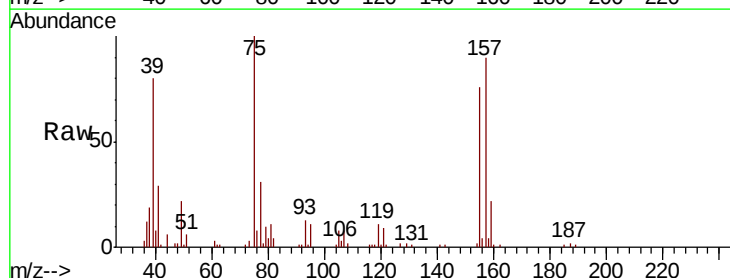
Tgt Ion: 75 Resp: 33030

Ion Ratio Lower Upper

75 100

155 76.2 56.3 84.5

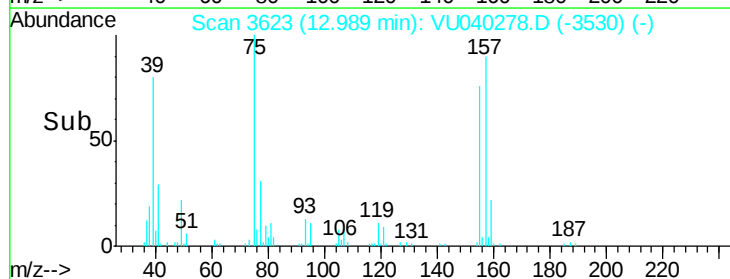
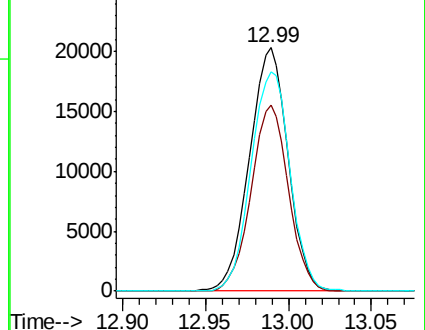
157 90.1 73.5 110.3

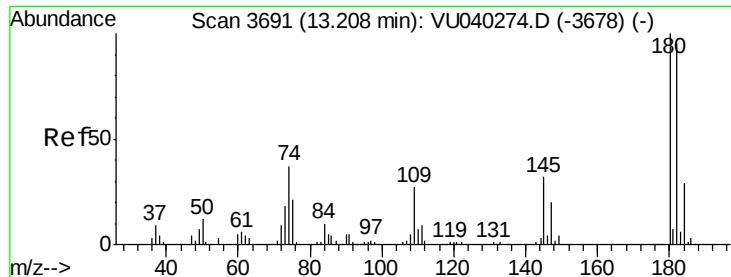


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

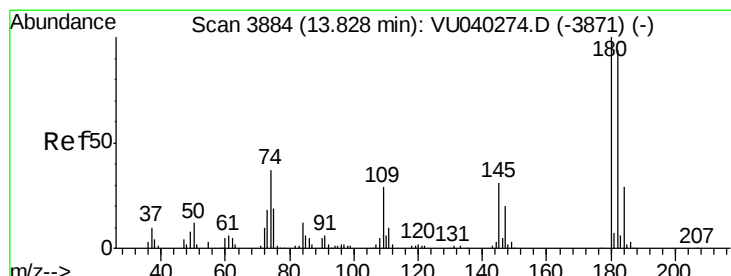
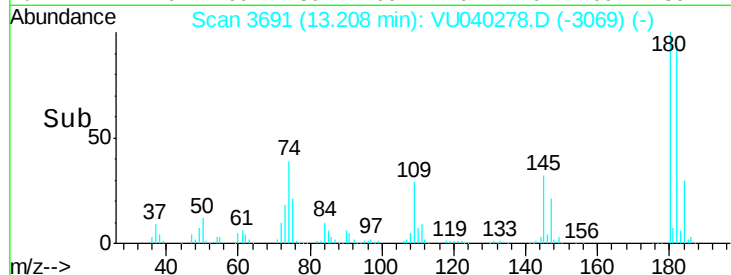
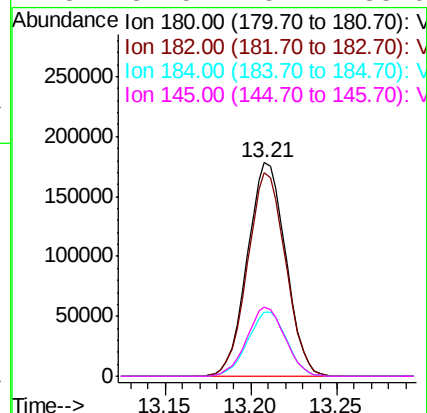
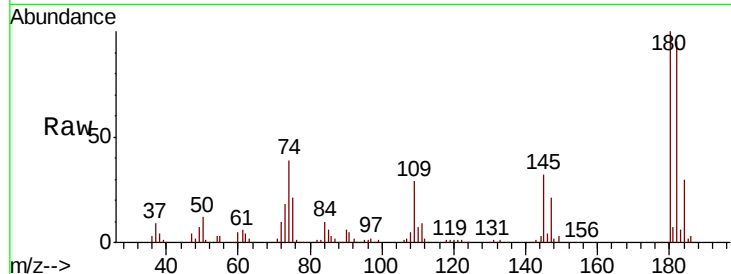




#69
 1,3,5-Trichlorobenzene
 Concen: 10.352 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

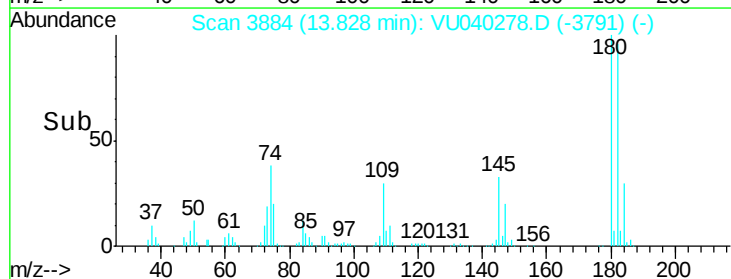
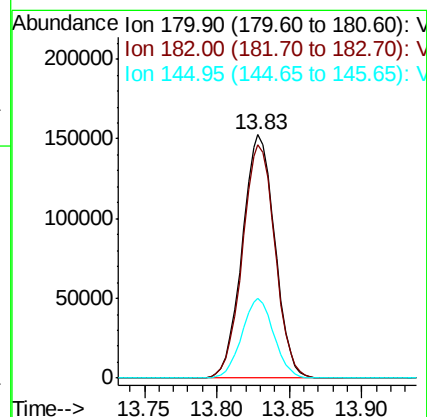
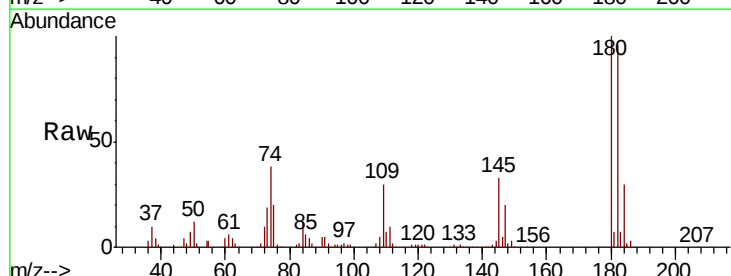
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010104

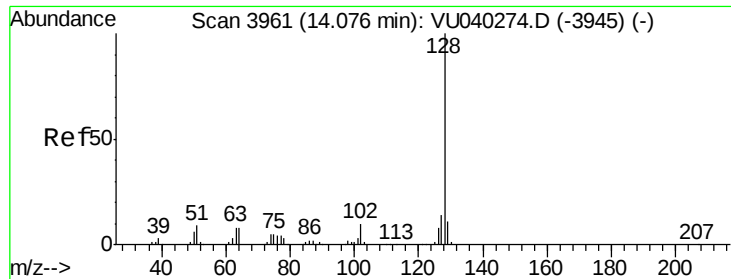
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	30.5	23.7	35.5
145	32.5	25.4	38.0



#70
 1,2,4-trichlorobenzene
 Concen: 11.970 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040278.D
 Acq: 24 Sep 2020 18:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
145	32.3	25.9	38.9

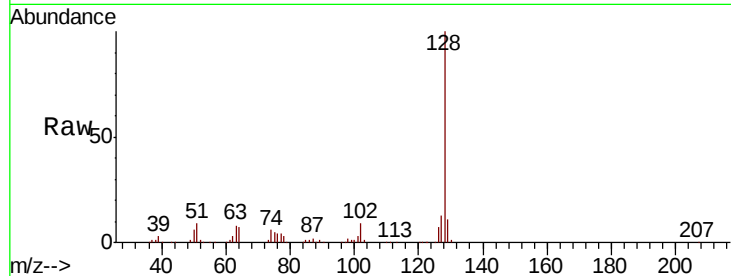




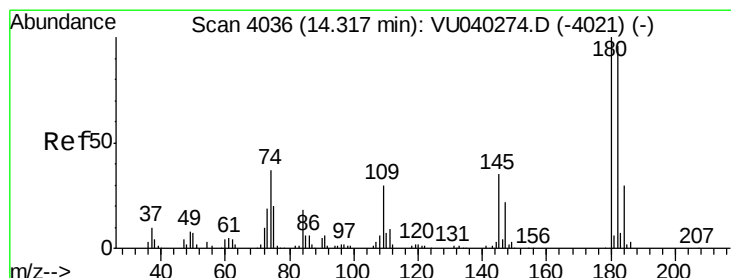
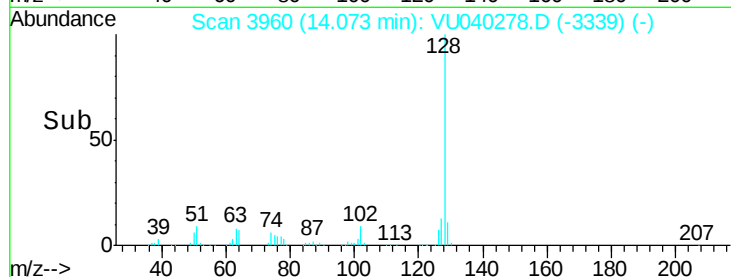
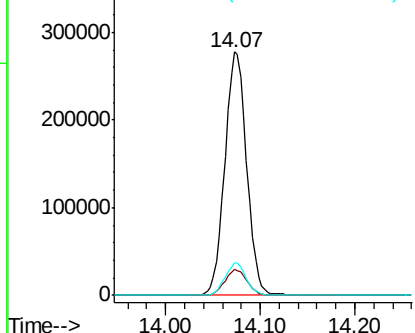
#71
Naphthalene
Concen: 15.034 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD010104

Tot Ion:128 Resp: 445188
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.9 10.6 15.8

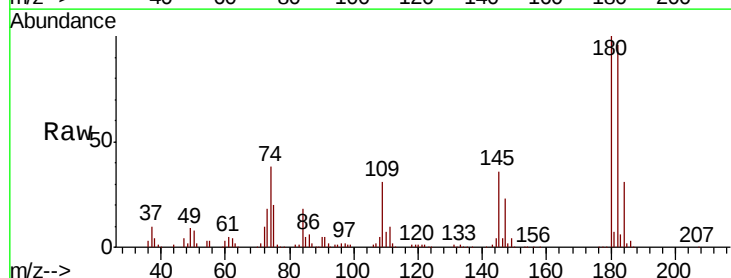


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 12.132 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040278.D
Acq: 24 Sep 2020 18:10

Tgt Ion:180 Resp: 217065
Ion Ratio Lower Upper
180 100
182 95.0 78.0 117.0
145 35.6 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

