

Data File : VU036551.D
Acq On : 24 Jan 2020 12:55
Operator : JC/MD
Sample : VSTD01006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD010604

Quant Time: Jan 24 22:52:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 22:48:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	146641	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	135067	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	69620	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84267	10.43	ug/L	0.00
7) Chloroethane-d5	1.93	69	77365	10.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	65	35599	10.65	ug/L	0.00
20) 2-Butanone-d5	4.69	46	203840	114.71	ug/L	0.00
24) Chloroform-d	5.11	84	160497	10.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	82094	10.60	ug/L	0.00
32) Benzene-d6	5.77	84	347368	10.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	106493	10.75	ug/L	0.00
41) Toluene-d8	7.93	98	335534	10.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	42885	10.73	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	206770	111.01	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	84523	10.63	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	123657	10.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	107386	10.168 ug/L	99
3) Chloromethane	1.54	50	110787	10.071 ug/L	98
5) Vinyl chloride	1.62	62	122862	10.033 ug/L	100
6) Bromomethane	1.87	94	73861	10.341 ug/L	98
8) Chloroethane	1.95	64	71151	9.980 ug/L	96
9) Trichlorofluoromethane	2.16	101	141571	9.936 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	88397	9.868 ug/L	97
12) 1,1-Dichloroethene	2.60	96	87182	9.973 ug/L	95
13) Acetone	2.67	43	128348	101.086 ug/L	99
14) Carbon disulfide	2.82	76	277512	10.152 ug/L	99
15) Methyl Acetate	2.99	43	33493	10.814 ug/L	97
16) Methylene chloride	3.08	84	97363	9.812 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	219822	9.886 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	93343	9.925 ug/L	99
19) 1,1-Dichloroethane	3.92	63	164039	9.993 ug/L	99
21) 2-Butanone	4.76	43	219969	103.670 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	103890	9.963 ug/L	100
23) Bromochloromethane	5.02	128	45516	10.051 ug/L	98
25) Chloroform	5.13	83	163170	10.040 ug/L	99
27) 1,2-Dichloroethane	5.84	62	99965	9.789 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	136328	10.357 ug/L	99
30) Cyclohexane	5.43	56	155147	10.270 ug/L	98
31) Carbon tetrachloride	5.57	117	117965	10.319 ug/L	99
33) Benzene	5.82	78	384175	10.304 ug/L	100
34) Trichloroethene	6.58	95	101762	10.218 ug/L	98
35) Methylcyclohexane	6.80	83	176506	10.363 ug/L	98
37) 1,2-Dichloropropane	6.83	63	95521	9.985 ug/L	100
38) Bromodichloromethane	7.14	83	118416	10.232 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	151322	10.473 ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	535263	102.217 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	422179	10.211	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	117895	10.501	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	70458	9.948	ug/L	96
47) Tetrachloroethene	8.58	164	83245	10.361	ug/L	97
48) 2-Hexanone	8.72	43	382526	103.441	ug/L	100
49) Dibromochloromethane	8.84	129	83097	10.366	ug/L	100
50) 1,2-Dibromoethane	8.95	107	69019	10.311	ug/L	100
51) Chlorobenzene	9.47	112	270490	10.185	ug/L	99
52) Ethylbenzene	9.60	91	464517	10.266	ug/L	100
53) m,p-Xylene	9.72	106	182097	10.278	ug/L	98
54) o-Xylene	10.12	106	178205	10.399	ug/L	100
55) Styrene	10.14	104	295514	10.349	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	87969	10.143	ug/L	98
59) Bromoform	10.32	173	47102	10.187	ug/L	100
60) Isopropylbenzene	10.51	105	462740	10.116	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	62261	9.961	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	402836	10.214	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	402010	10.188	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	219134	10.261	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	215579	10.222	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	206706	10.217	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.02	75	13471	9.985	ug/L	88
69) 1,3,5-Trichlorobenzene	13.24	180	172824	10.217	ug/L	100
70) 1,2,4-trichlorobenzene	13.86	180	134971	10.790	ug/L	99
71) Naphthalene	14.11	128	212271	11.683	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	121785	10.763	ug/L	99

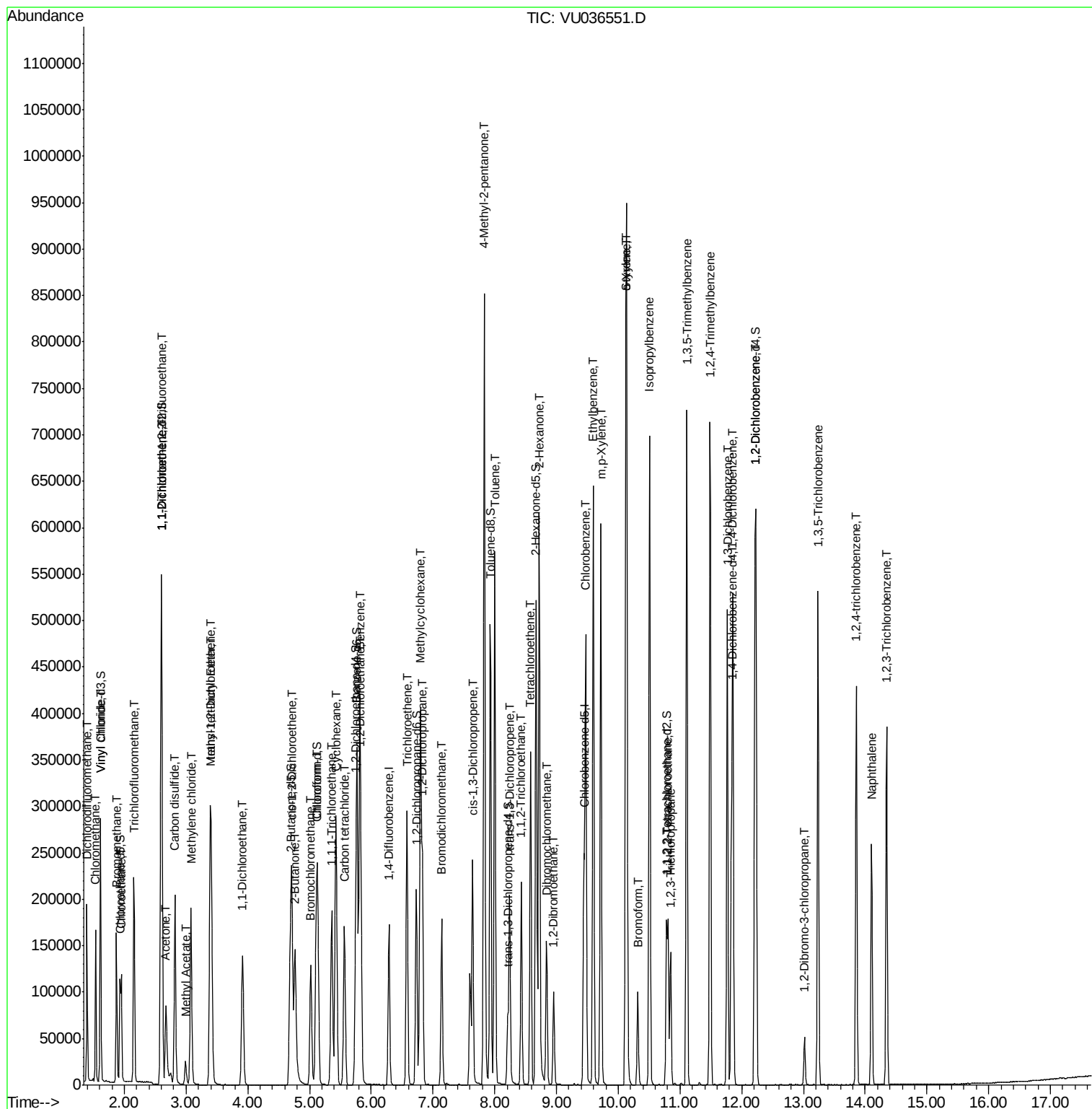
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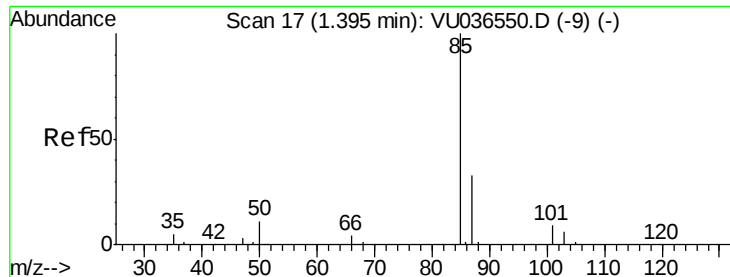
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#2

Dichlorodifluoromethane

Concen: 10.168 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

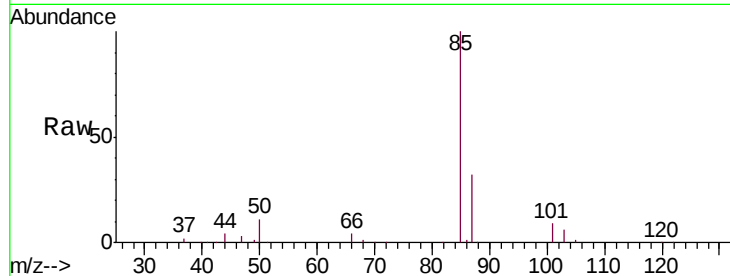
VSTD010604

Tgt Ion: 85 Resp: 107386

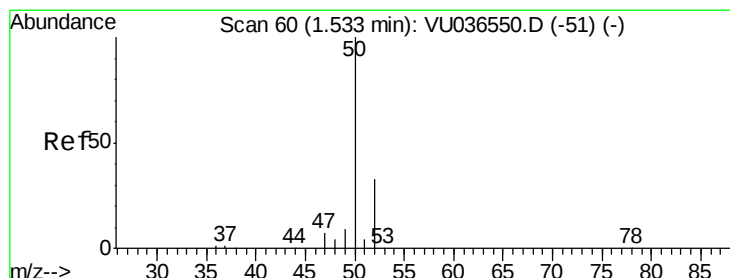
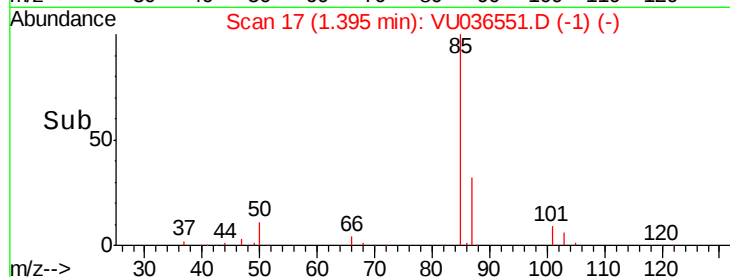
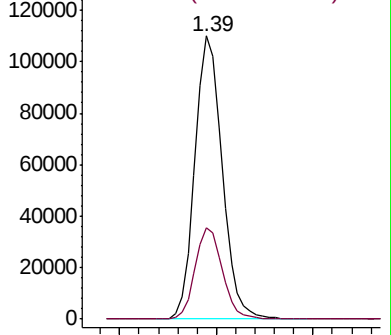
Ion Ratio Lower Upper

85 100

87 32.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036550.D (-9) (-)



#3

Chloromethane

Concen: 10.071 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036551.D

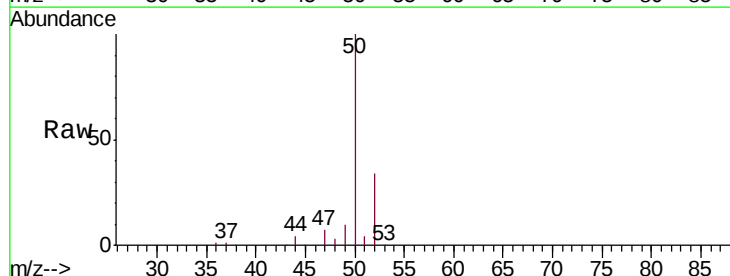
Acq: 24 Jan 2020 12:55

Tgt Ion: 50 Resp: 110787

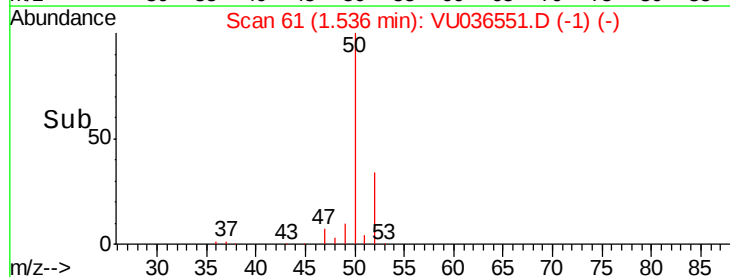
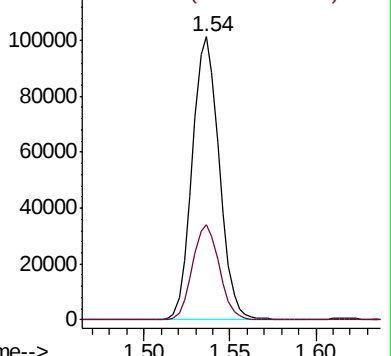
Ion Ratio Lower Upper

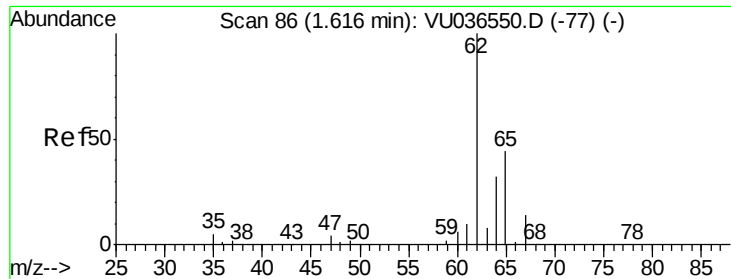
50 100

52 33.7 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036550.D (-51) (-)





#5

Vinyl chloride

Concen: 10.033 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

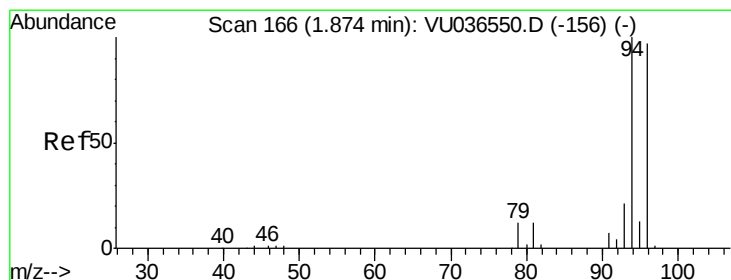
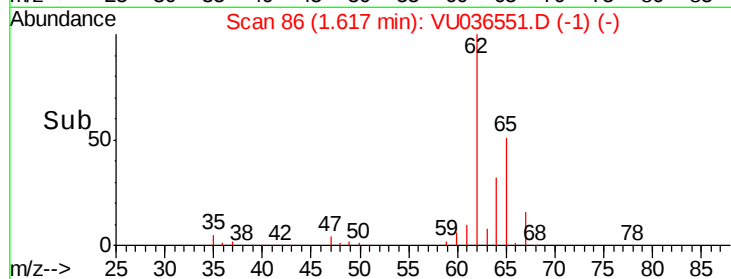
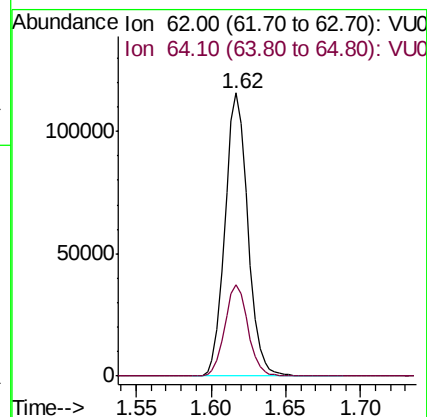
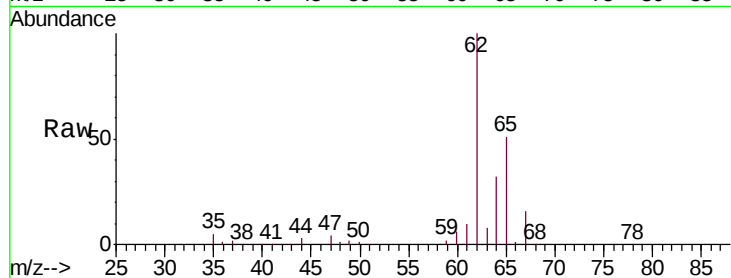
VSTD010604

Tgt Ion: 62 Resp: 122862

Ion Ratio Lower Upper

62 100

64 32.4 22.6 42.0



#6

Bromomethane

Concen: 10.341 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036551.D

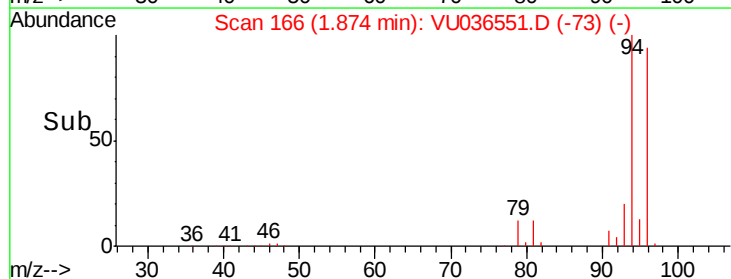
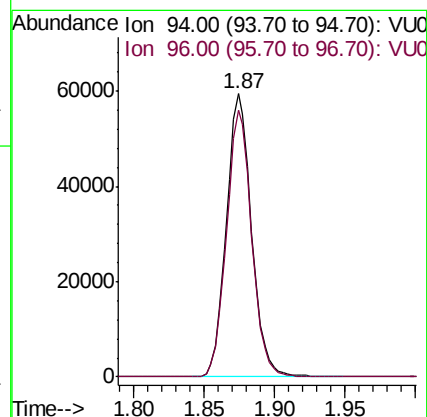
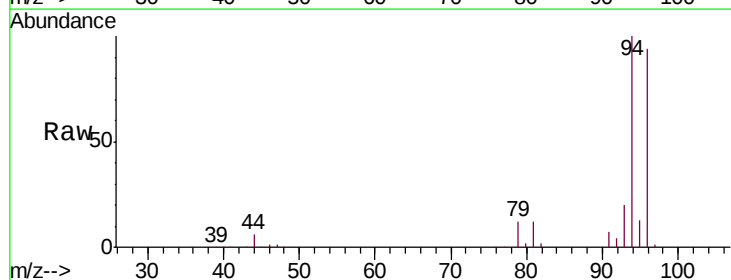
Acq: 24 Jan 2020 12:55

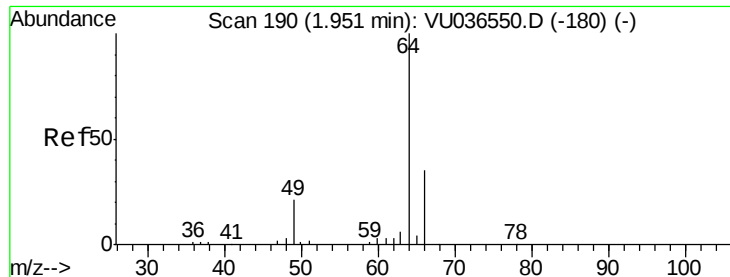
Tgt Ion: 94 Resp: 73861

Ion Ratio Lower Upper

94 100

96 94.3 67.6 125.6





#8

Chloroethane

Concen: 9.980 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

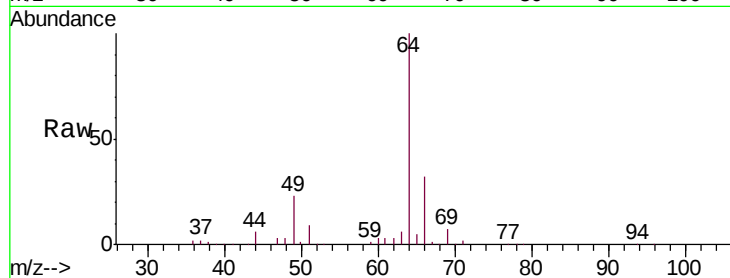
VSTD010604

Tgt Ion: 64 Resp: 71151

Ion Ratio Lower Upper

64 100

66 32.3 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VU036551.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036551.D (-180) (-)

1.95

60000

50000

40000

30000

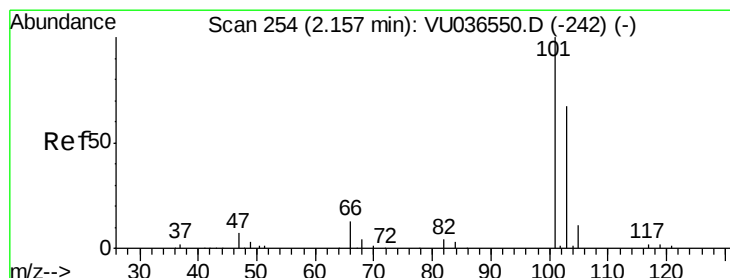
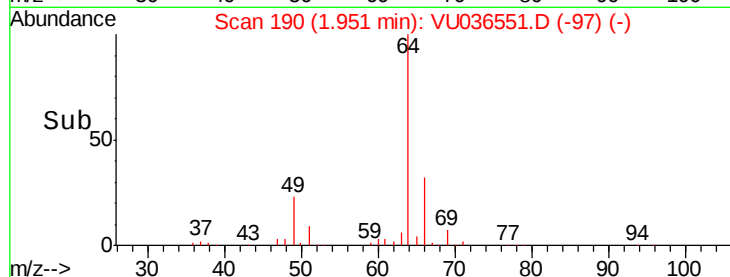
20000

10000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 9.936 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036551.D

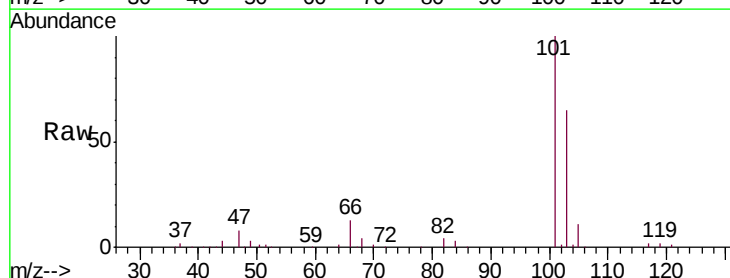
Acq: 24 Jan 2020 12:55

Tgt Ion: 101 Resp: 141571

Ion Ratio Lower Upper

101 100

103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU036551.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036551.D (-242) (-)

2.16

100000

80000

60000

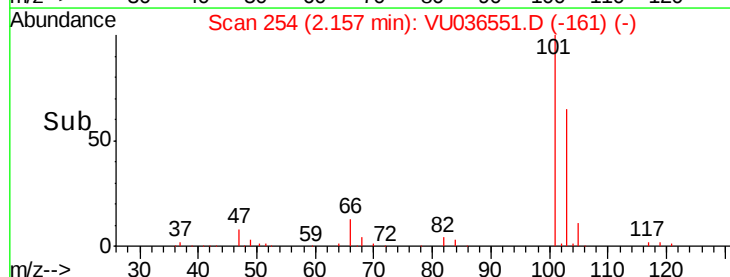
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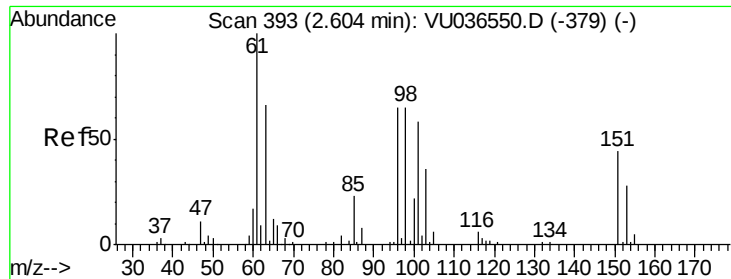
20000

0

Time-->

2.10 2.15 2.20 2.25





#10

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

Concen: 9.868 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

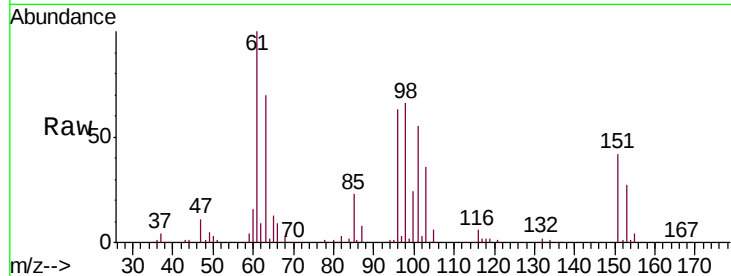
Tgt Ion:101 Resp: 88397

Ion Ratio Lower Upper

101 100

85 41.9 32.2 48.4

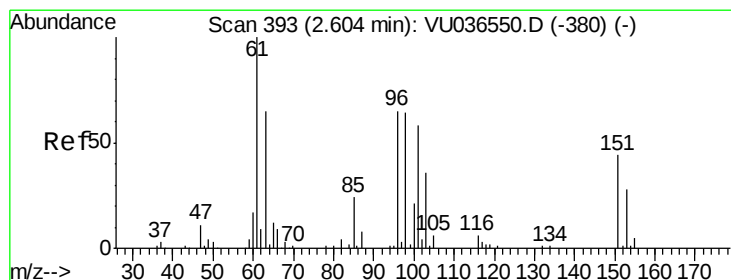
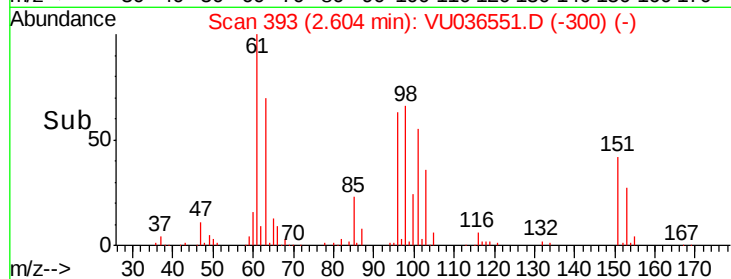
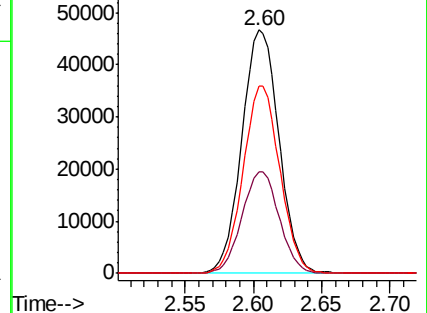
151 76.1 59.2 88.8



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: 9.973 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

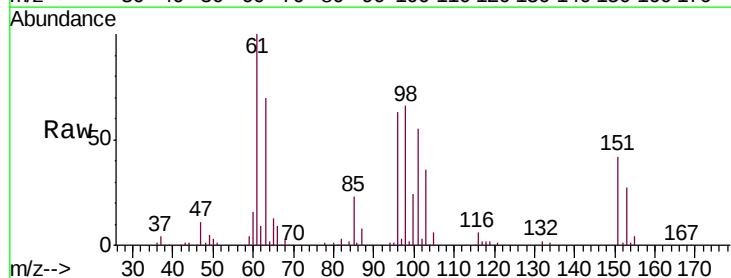
Tgt Ion: 96 Resp: 87182

Ion Ratio Lower Upper

96 100

61 158.6 108.2 201.0

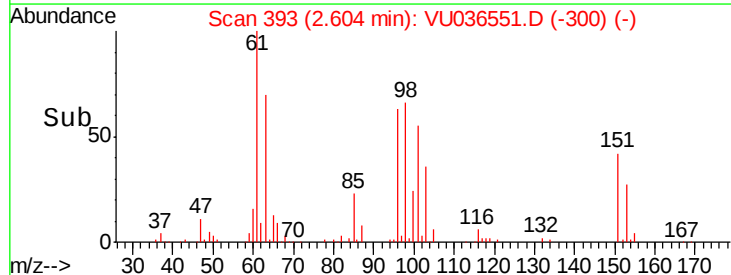
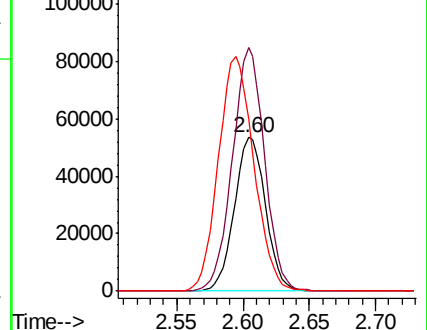
63 111.6 72.0 133.8

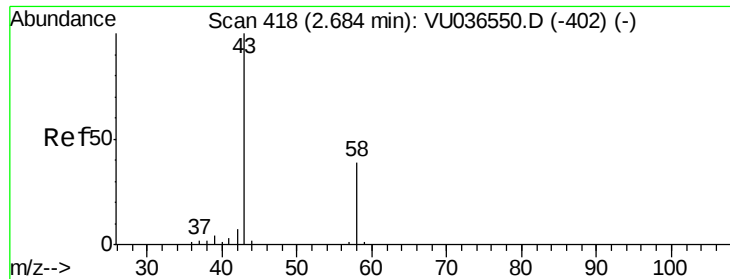


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 101.086 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

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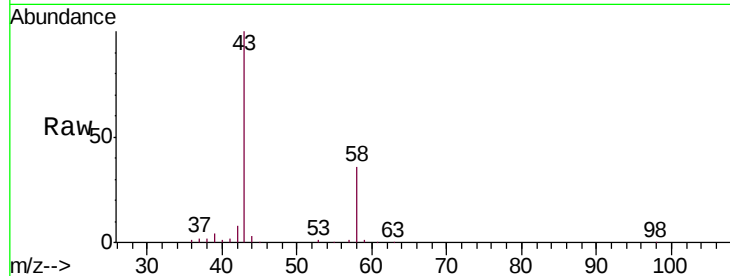
VSTD010604

Tgt Ion: 43 Resp: 128348

Ion Ratio Lower Upper

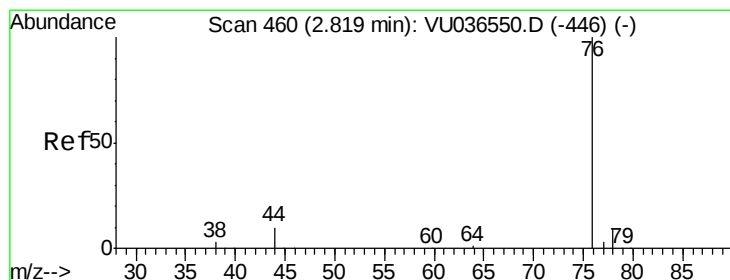
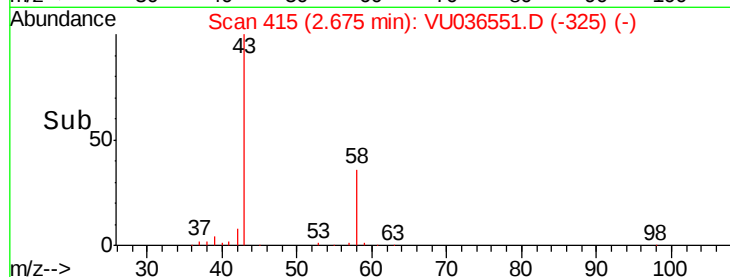
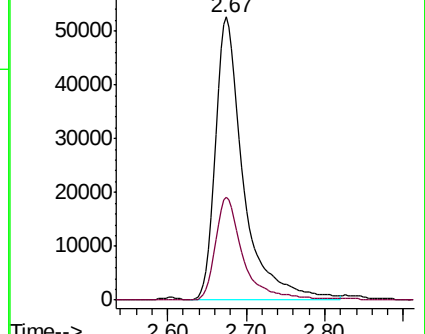
43 100

58 36.2 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036551.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU036551.D (-325) (-)



#14

Carbon disulfide

Concen: 10.152 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036551.D

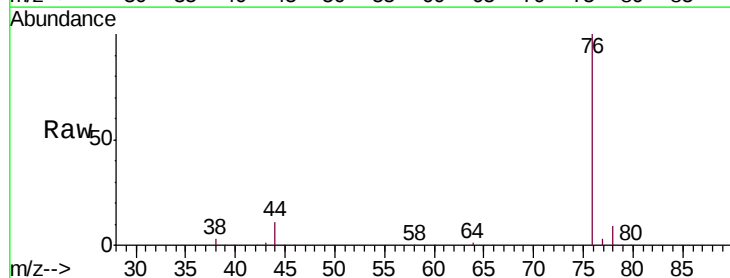
Acq: 24 Jan 2020 12:55

Tgt Ion: 76 Resp: 277512

Ion Ratio Lower Upper

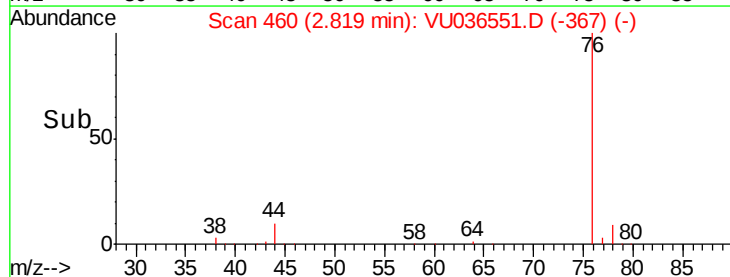
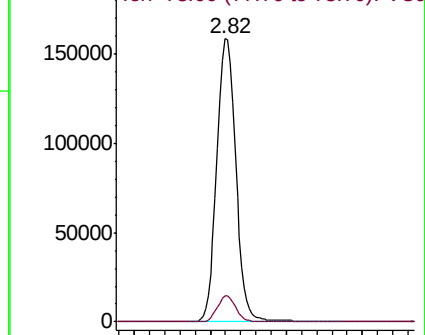
76 100

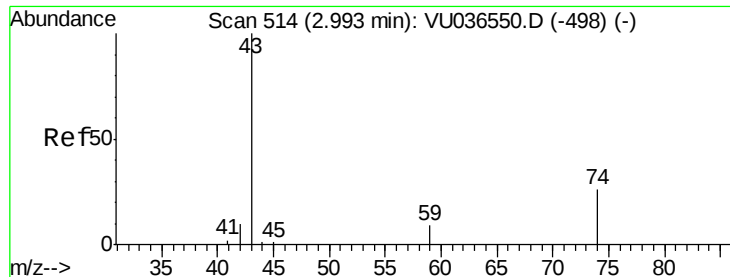
78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036551.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036551.D (-367) (-)

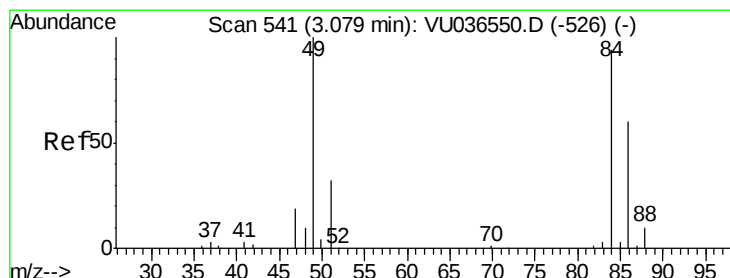
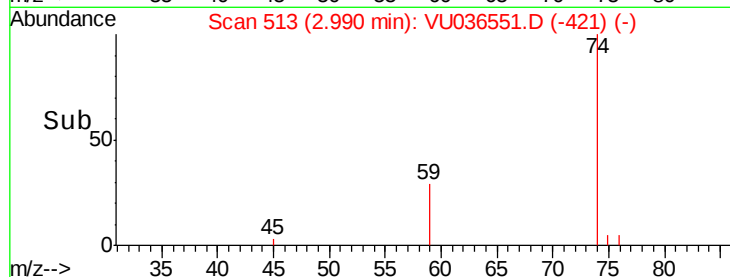
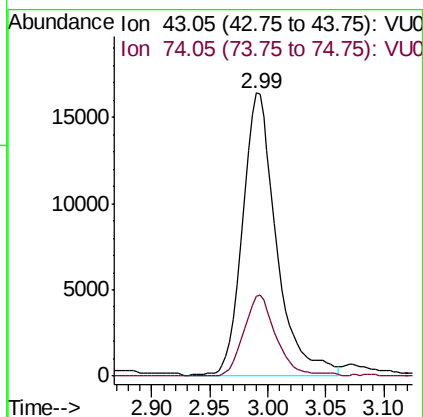
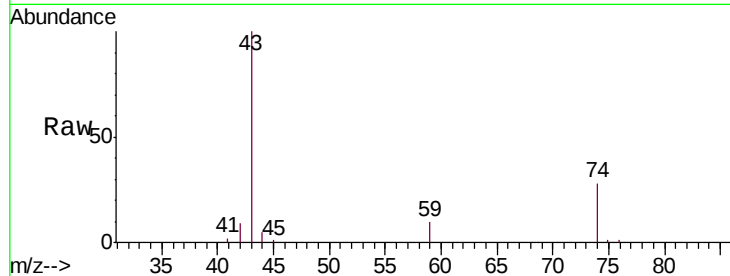




#15
Methyl Acetate
Concen: 10.814 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

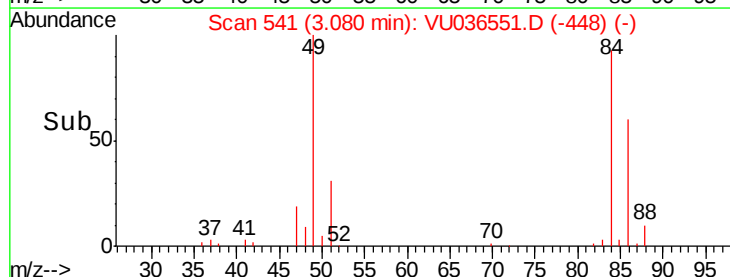
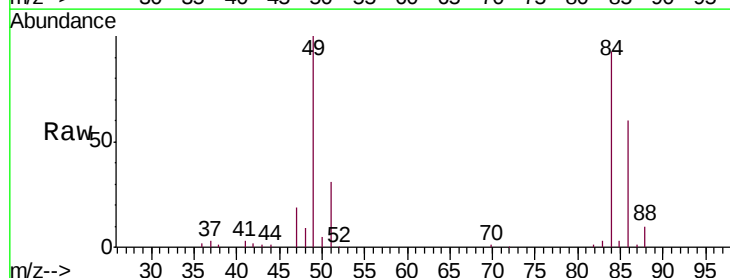
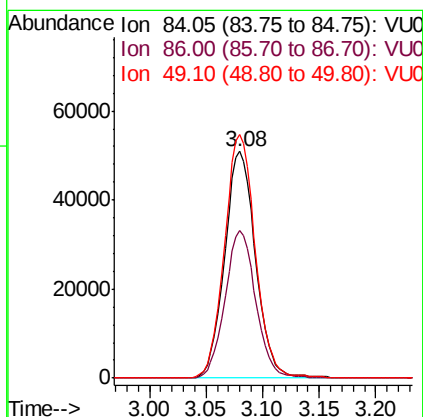
Instrument :
MSVOA_U
ClientSampleId :
VSTD010604

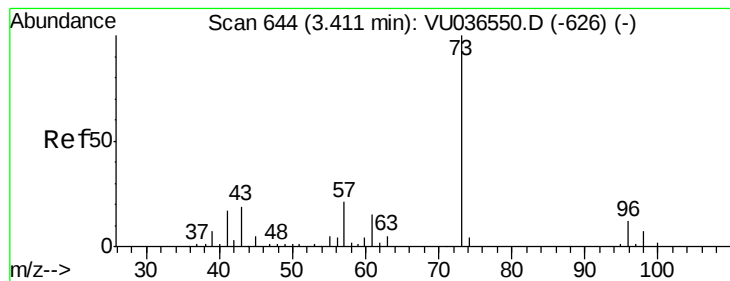
Tgt Ion: 43 Resp: 33493
Ion Ratio Lower Upper
43 100
74 27.0 22.7 34.1



#16
Methylene chloride
Concen: 9.812 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 84 Resp: 97363
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 107.4 74.8 139.0





#17

Methyl tert-butyl Ether

Concen: 9.886 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

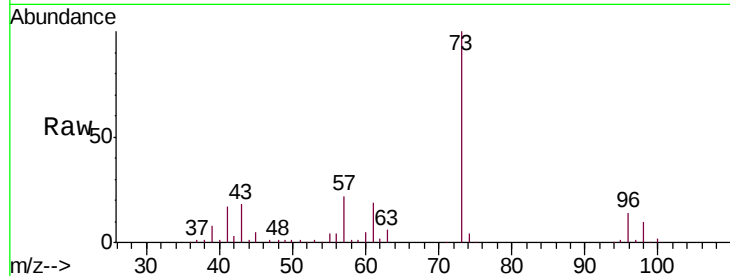
Tgt Ion: 73 Resp: 219822

Ion Ratio Lower Upper

73 100

43 18.5 14.6 21.8

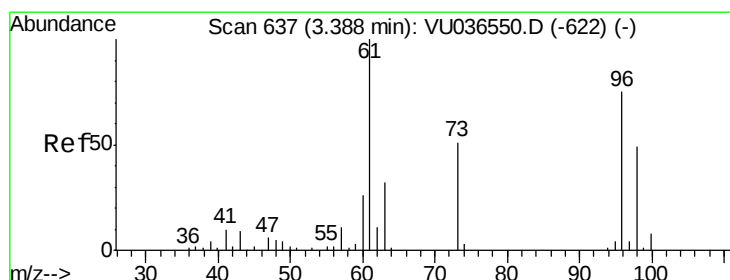
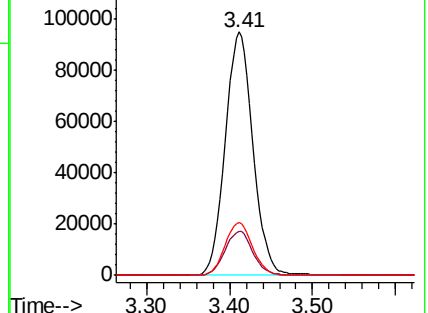
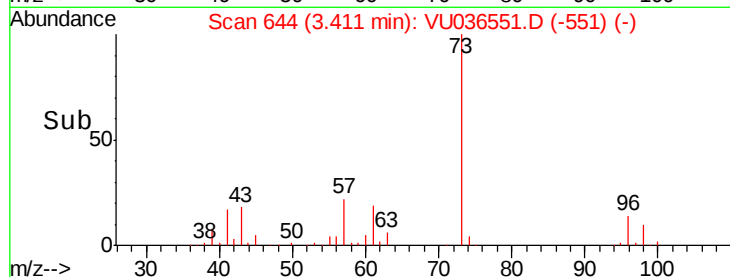
57 21.6 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VU036551.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036551.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036551.D (-551) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.925 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

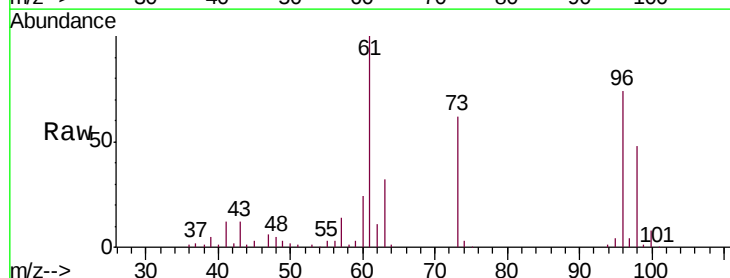
Tgt Ion: 96 Resp: 93343

Ion Ratio Lower Upper

96 100

61 135.0 93.1 172.9

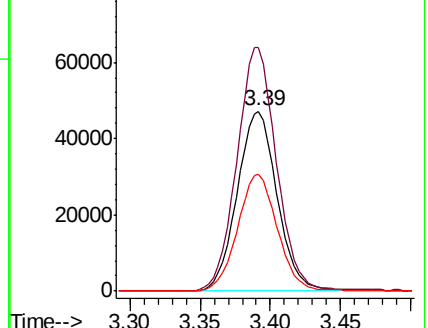
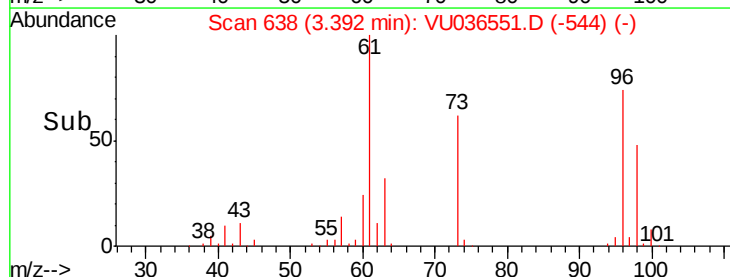
98 65.1 45.5 84.5

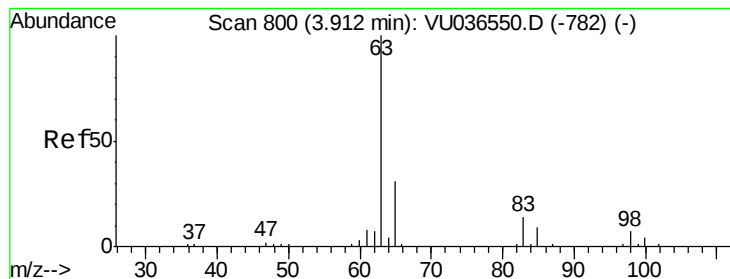


Abundance Ion 96.00 (95.70 to 96.70): VU036551.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU036551.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU036551.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 9.993 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

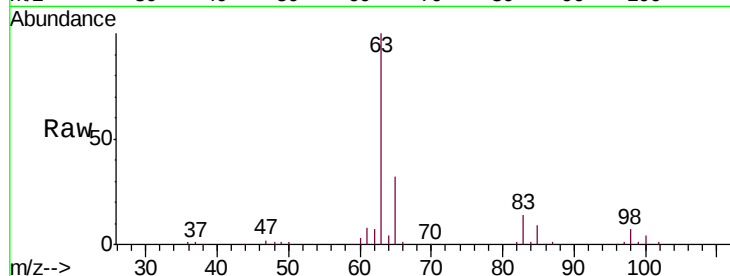
Tgt Ion: 63 Resp: 164039

Ion Ratio Lower Upper

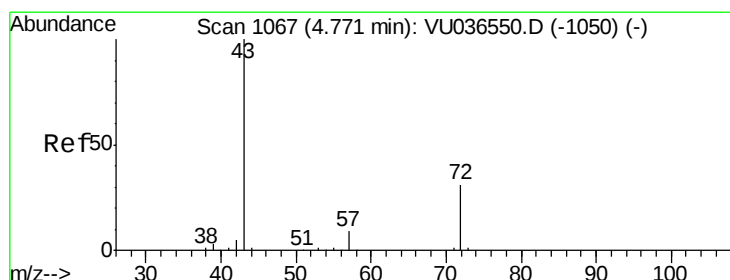
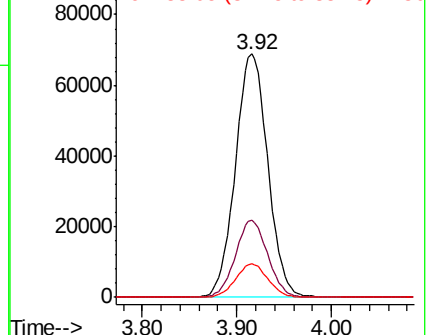
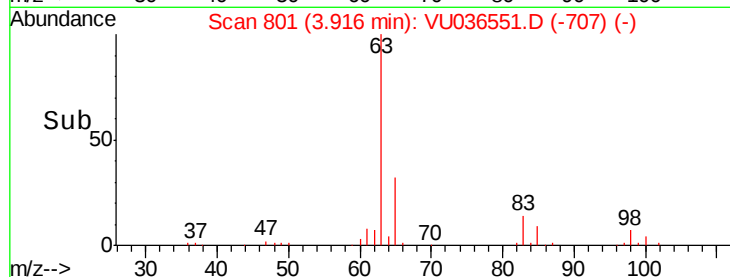
63 100

65 31.6 21.8 40.6

83 13.8 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036551.D (-707) (-)



#21

2-Butanone

Concen: 103.670 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VU036551.D

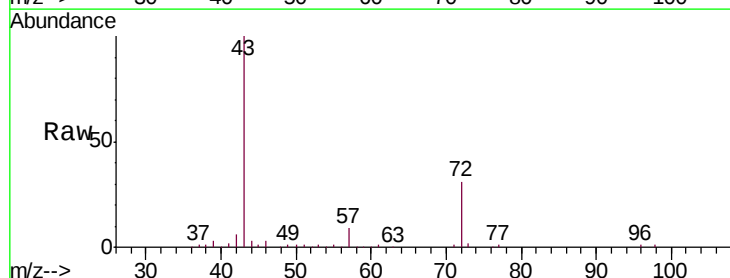
Acq: 24 Jan 2020 12:55

Tgt Ion: 43 Resp: 219969

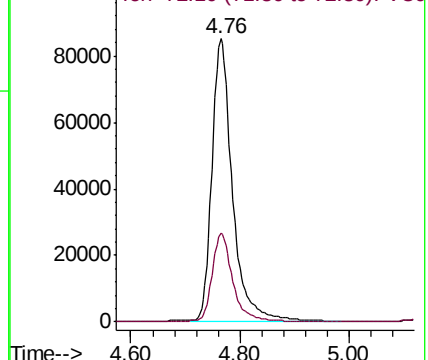
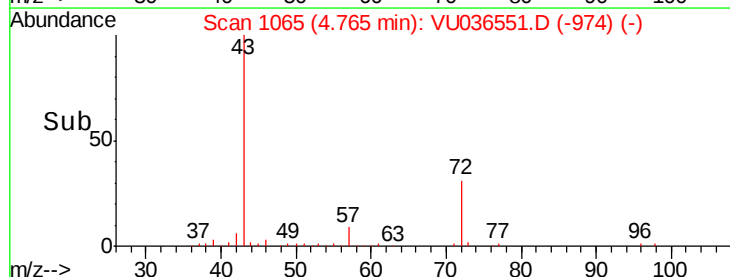
Ion Ratio Lower Upper

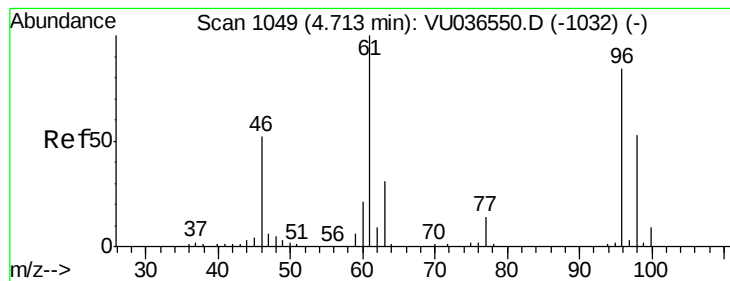
43 100

72 31.9 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036551.D (-974) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.963 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

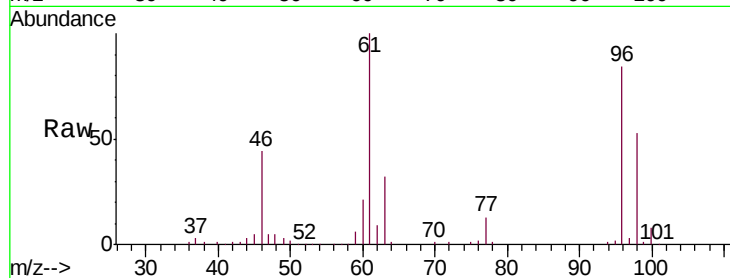
Tgt Ion: 96 Resp: 103890

Ion Ratio Lower Upper

96 100

61 118.7 83.0 154.1

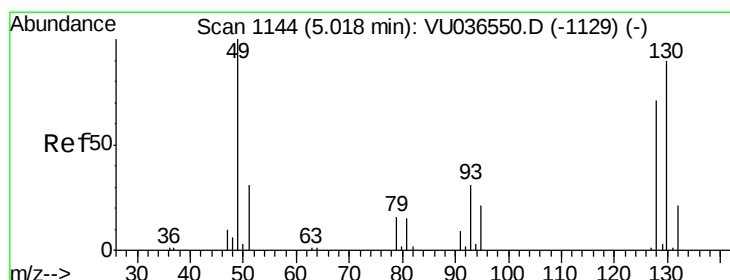
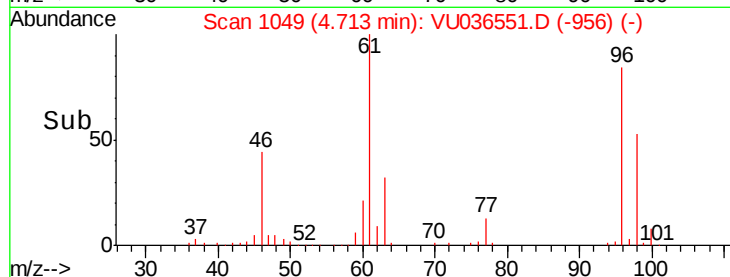
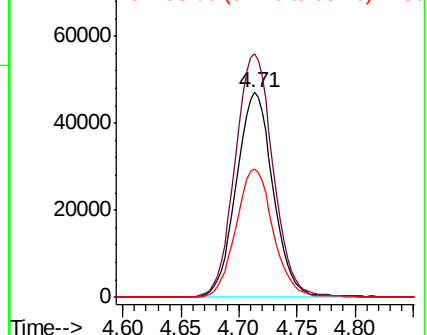
98 62.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU036551.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036551.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036551.D (-956) (-)



#23

Bromochloromethane

Concen: 10.051 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Tgt Ion: 128 Resp: 45516

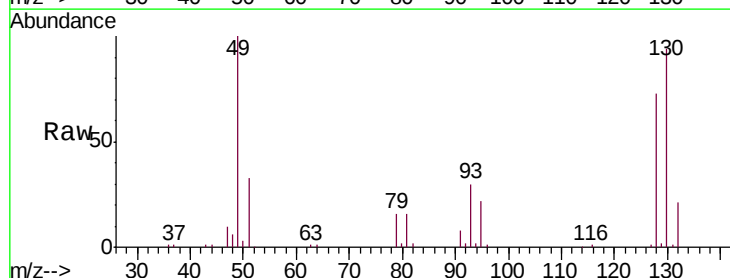
Ion Ratio Lower Upper

128 100

49 136.4 98.6 183.2

130 128.7 89.1 165.5

51 45.1 35.4 53.2

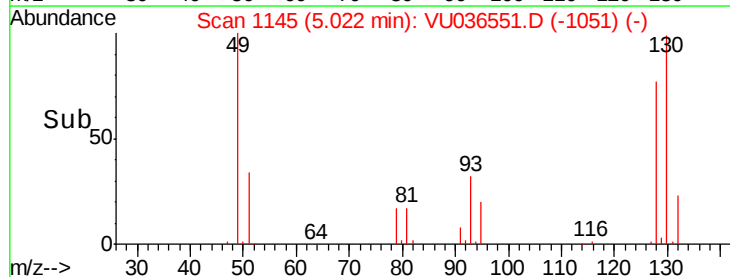
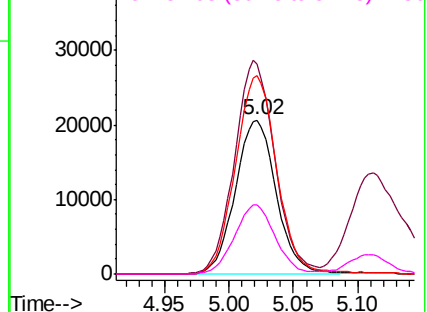


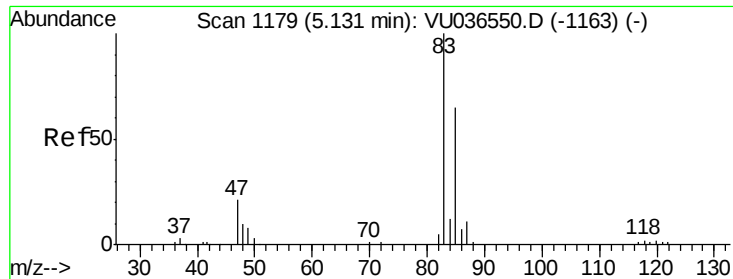
Abundance Ion 127.90 (127.60 to 128.60): VU036551.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036551.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036551.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036551.D (-1051) (-)

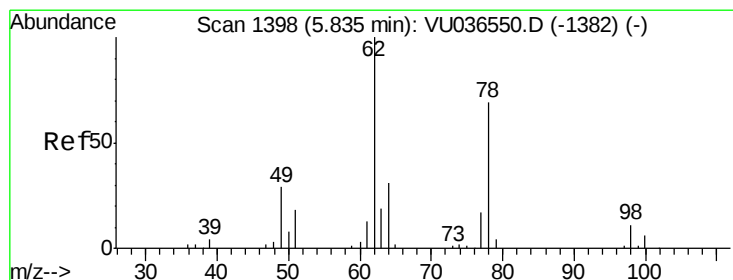
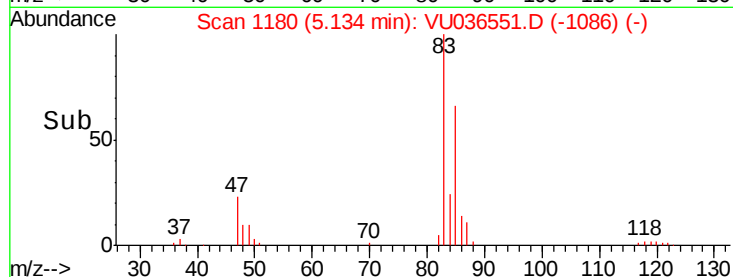
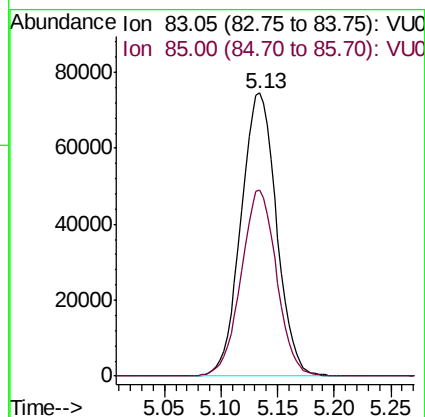
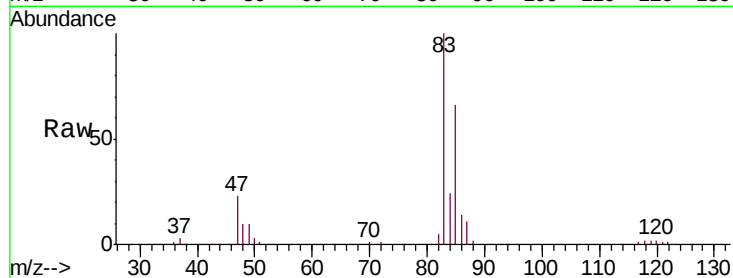




#25
Chloroform
Concen: 10.040 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

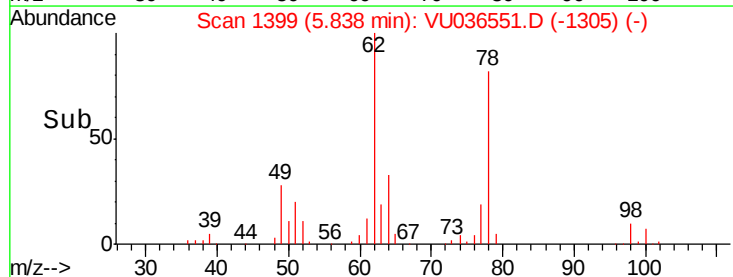
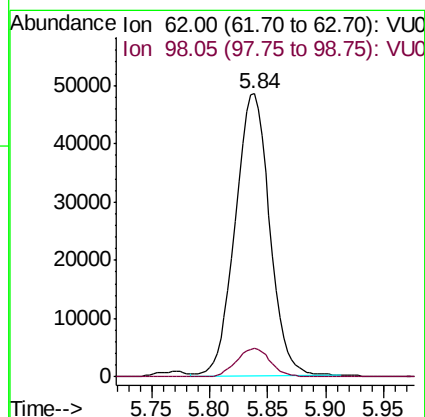
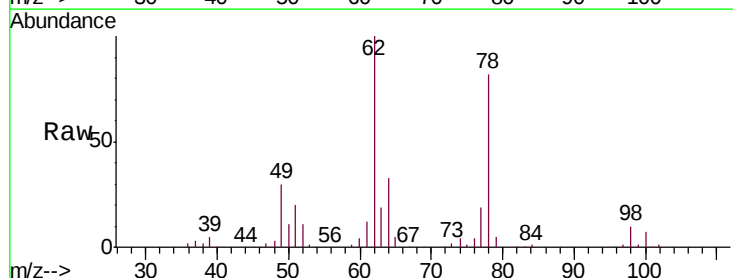
Instrument :
MSVOA_U
ClientSampleId :
VSTD010604

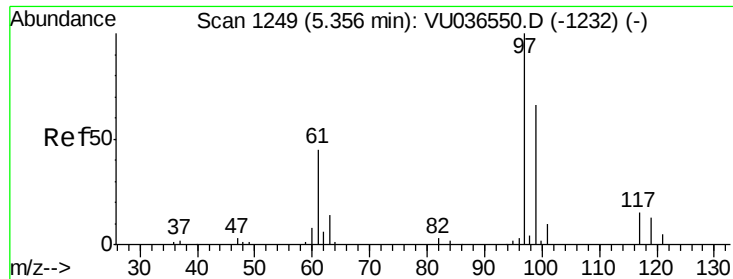
Tgt Ion: 83 Resp: 163170
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.789 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 62 Resp: 99965
Ion Ratio Lower Upper
62 100
98 10.1 8.5 12.7

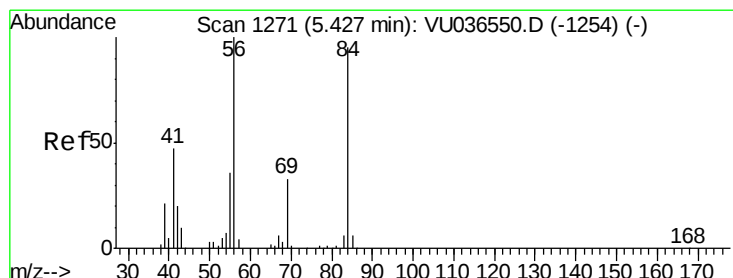
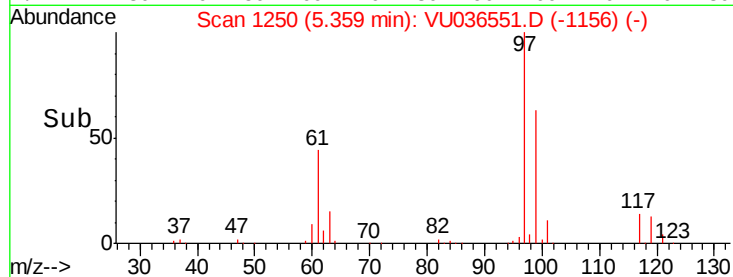
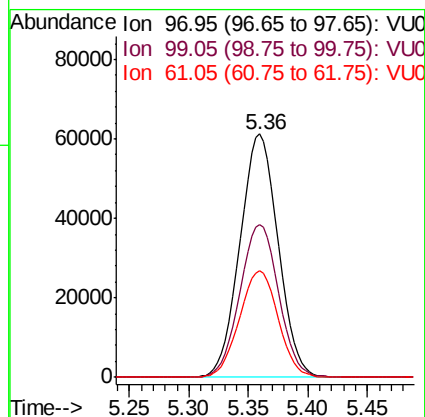
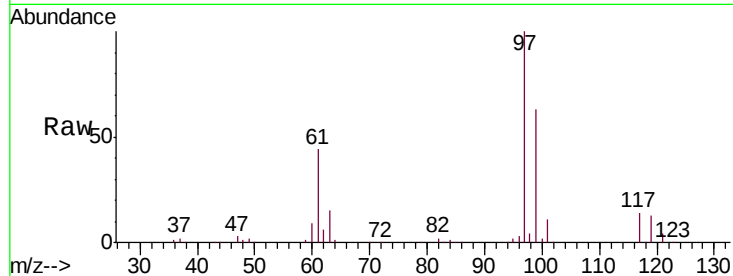




#29
 1,1,1-Trichloroethane
 Concen: 10.357 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

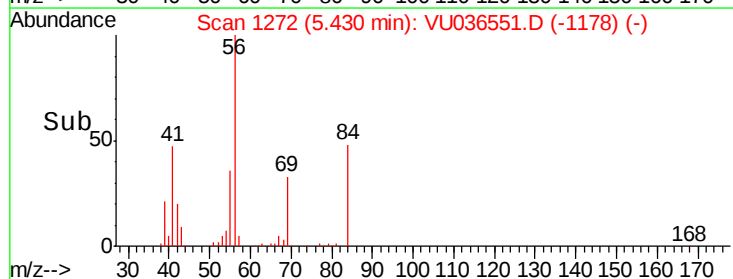
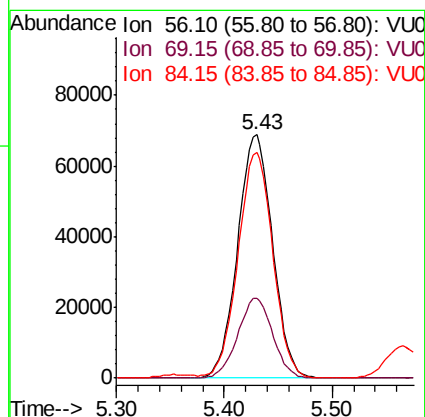
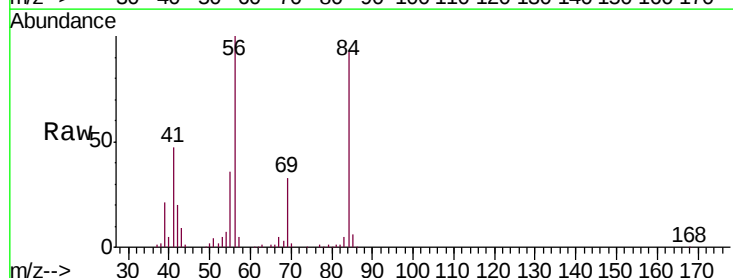
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

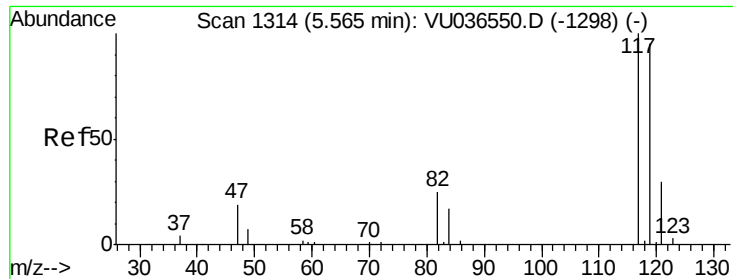
Tgt Ion: 97 Resp: 136328
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 44.3 35.6 53.4



#30
 Cyclohexane
 Concen: 10.270 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 56 Resp: 155147
 Ion Ratio Lower Upper
 56 100
 69 32.7 25.7 38.5
 84 92.2 75.3 112.9

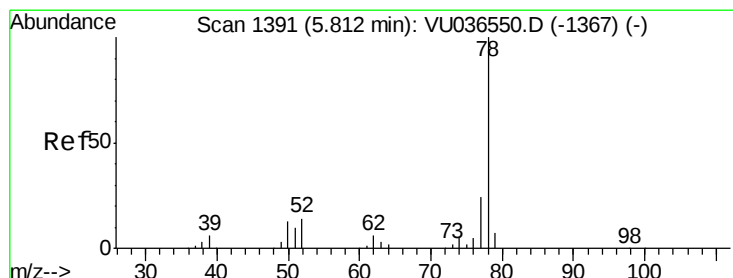
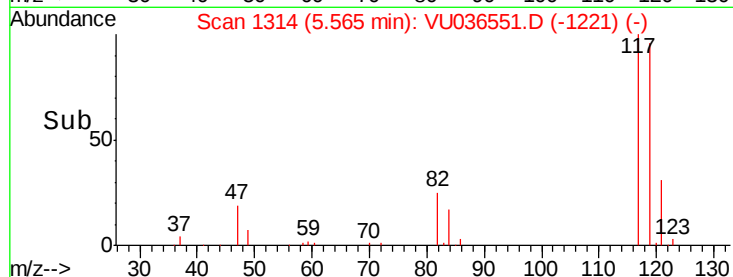
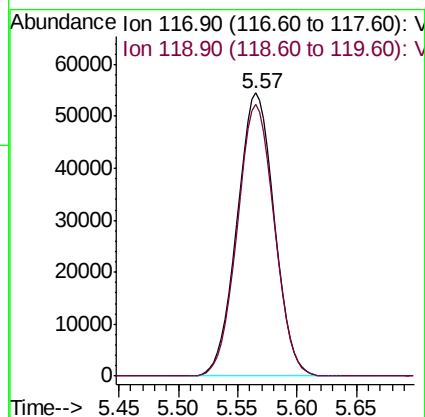
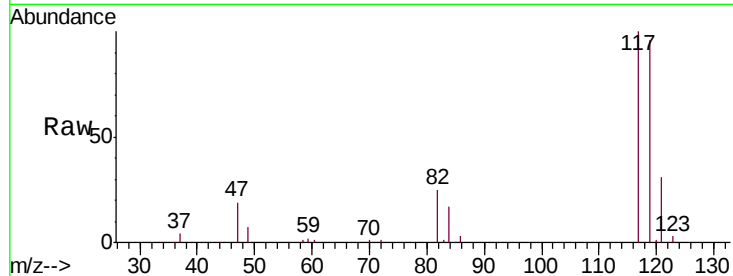




#31
Carbon tetrachloride
Concen: 10.319 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

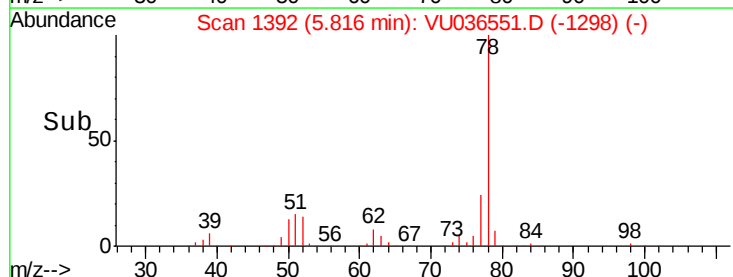
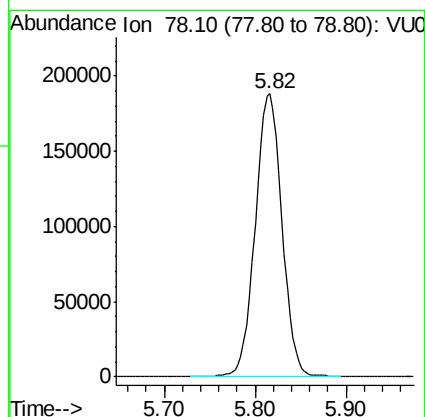
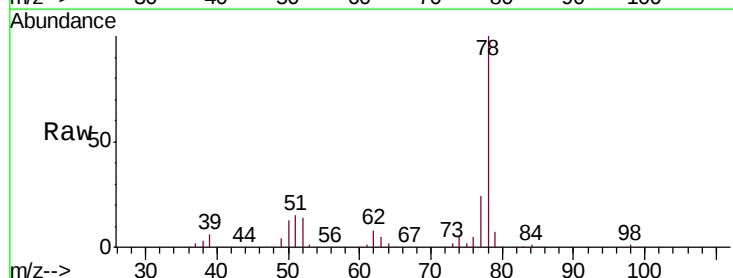
Instrument :
MSVOA_U
ClientSampleId :
VSTD010604

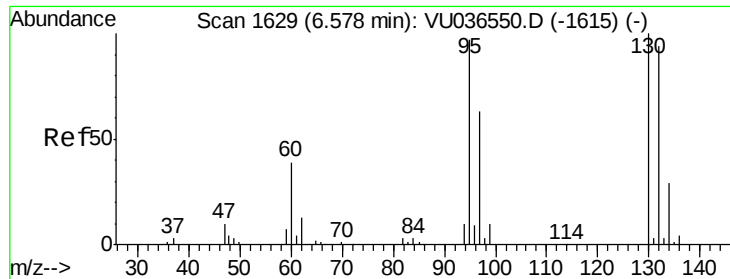
Tgt Ion:117 Resp: 117965
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 10.304 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 78 Resp: 384175

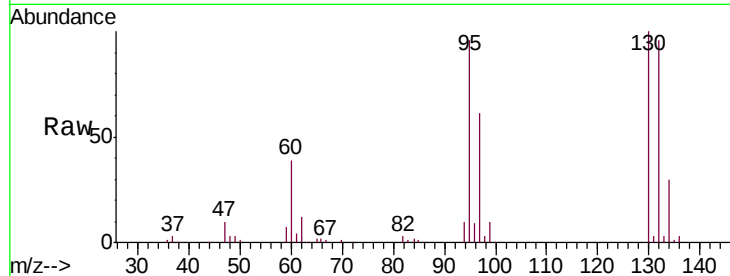




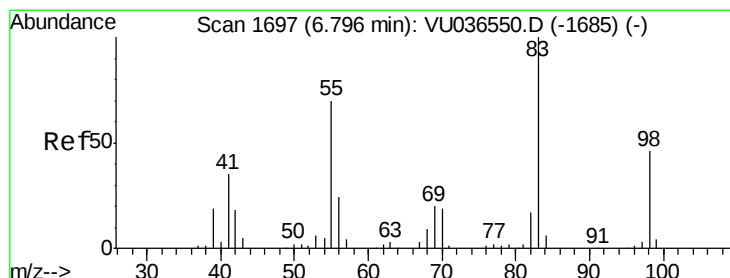
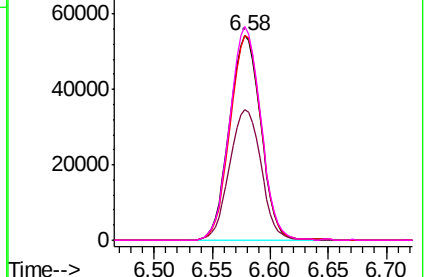
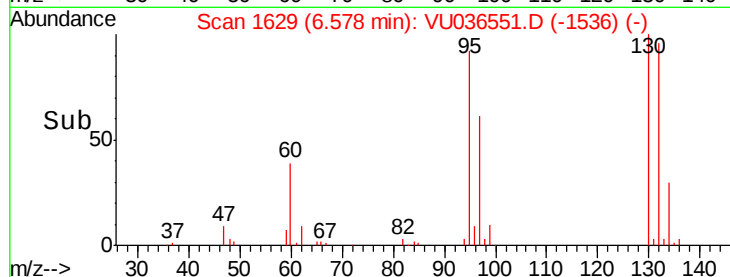
#34
 Trichloroethene
 Concen: 10.218 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

Tgt Ion: 95 Resp: 101762
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.6 84.8
 132 100.1 67.7 125.7
 130 104.6 72.2 134.2

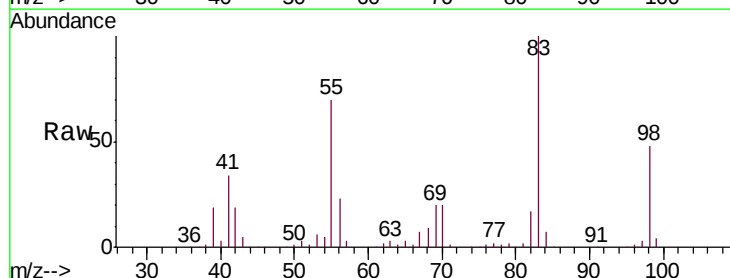


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

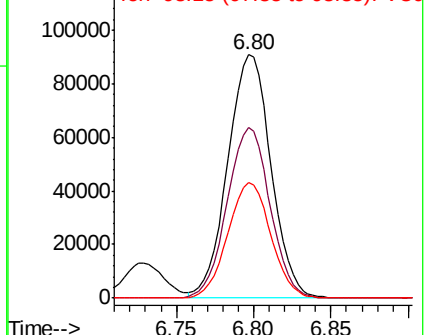
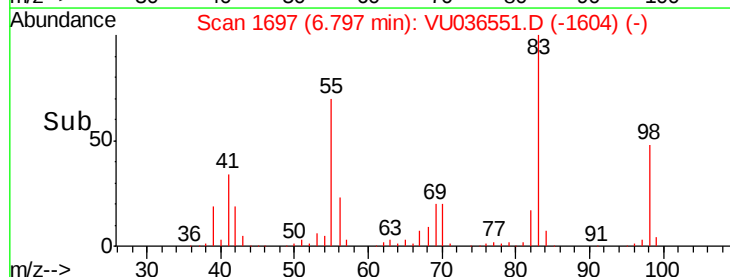


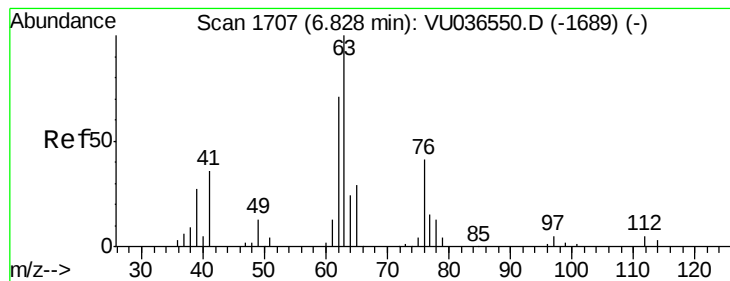
#35
 Methylcyclohexane
 Concen: 10.363 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 83 Resp: 176506
 Ion Ratio Lower Upper
 83 100
 55 69.6 56.9 85.3
 98 47.2 36.9 55.3



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.985 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

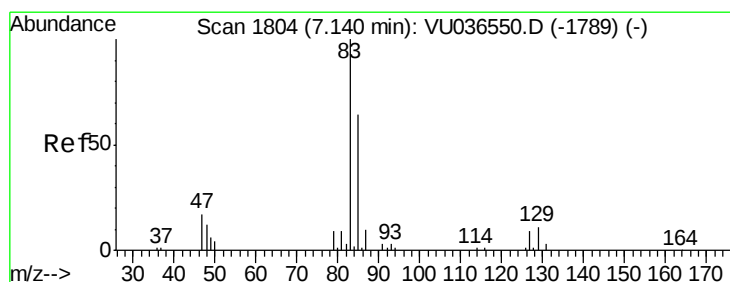
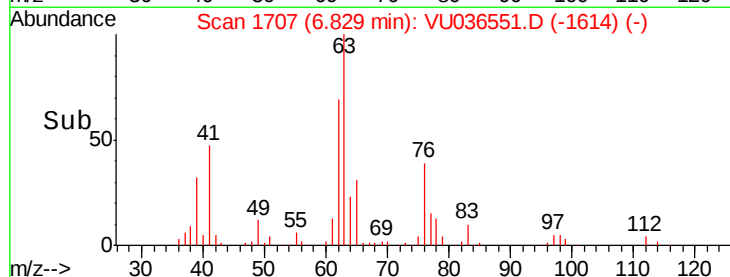
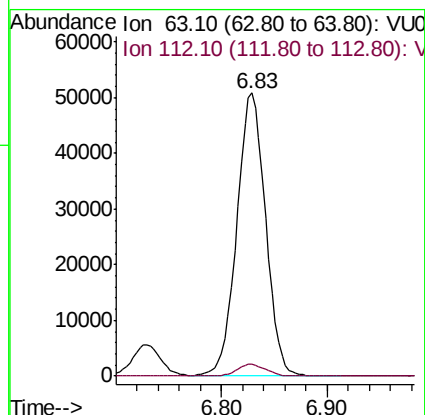
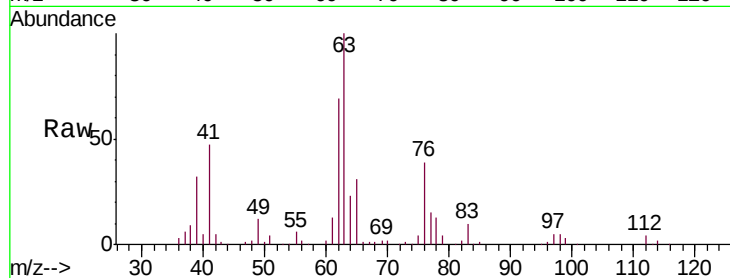
VSTD010604

Tgt Ion: 63 Resp: 95521

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 10.232 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

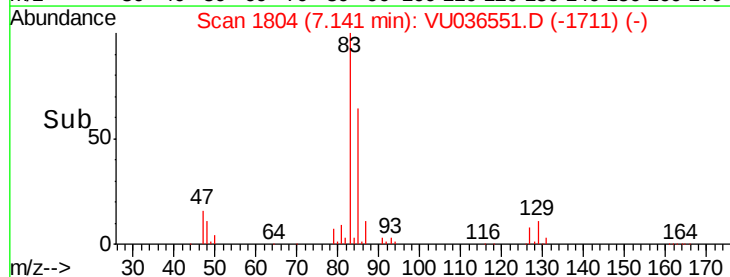
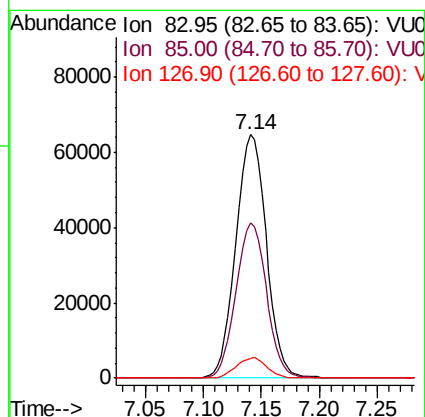
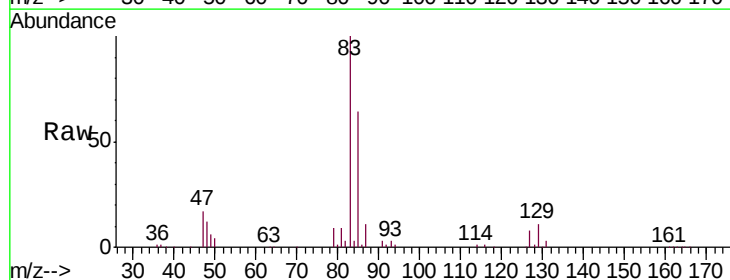
Tgt Ion: 83 Resp: 118416

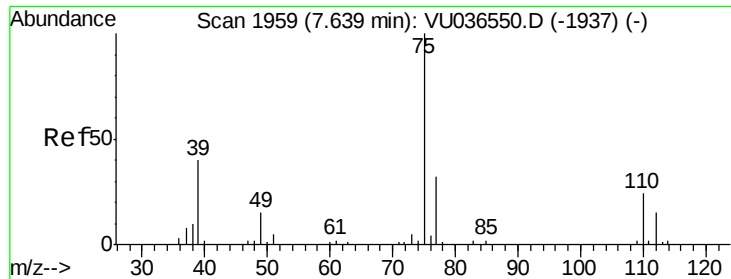
Ion Ratio Lower Upper

83 100

85 63.9 44.7 82.9

127 8.3 7.2 10.8

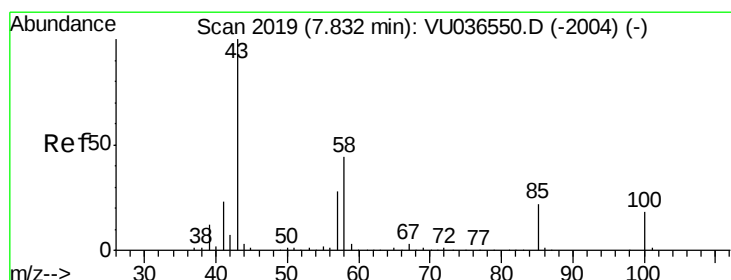
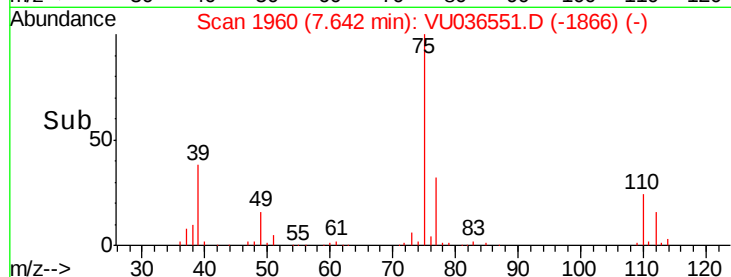
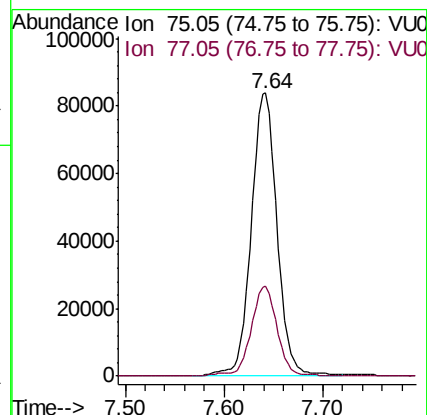
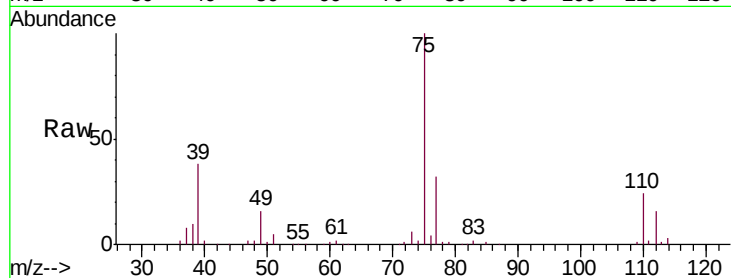




#39
 cis-1,3-Dichloropropene
 Concen: 10.473 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

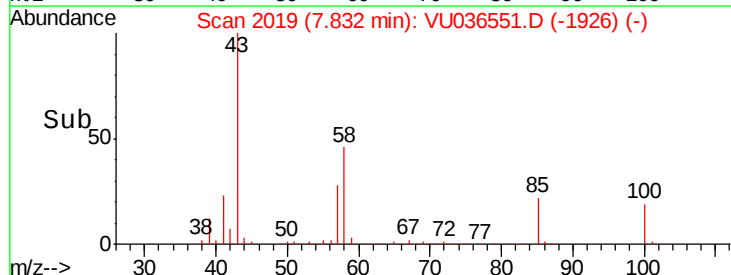
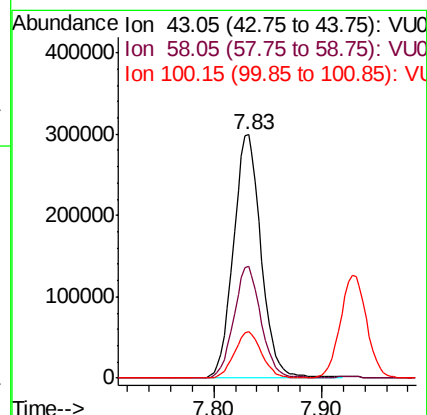
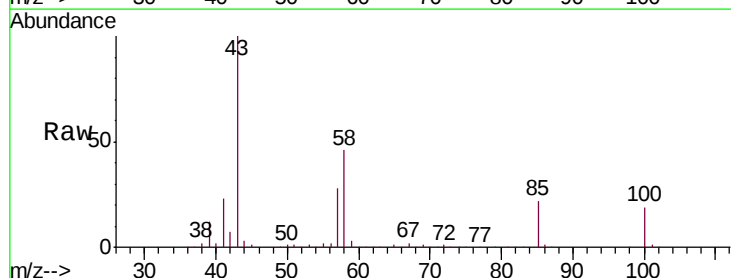
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

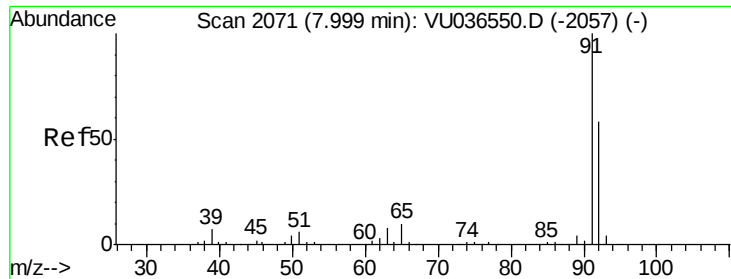
Tgt Ion: 75 Resp: 151322
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 102.217 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 43 Resp: 535263
 Ion Ratio Lower Upper
 43 100
 58 45.2 35.6 53.4
 100 18.8 14.9 22.3





#42

Toluene

Concen: 10.211 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

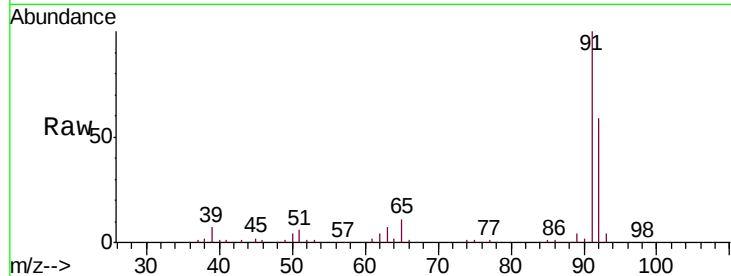
VSTD010604

Tgt Ion: 91 Resp: 422179

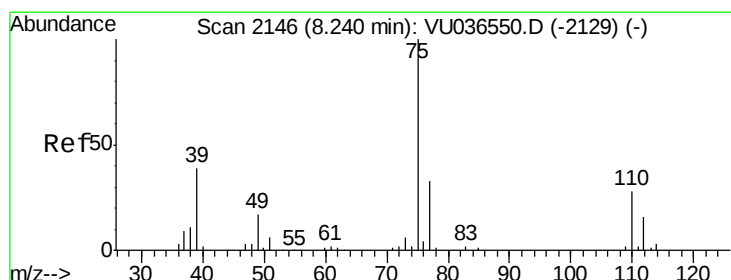
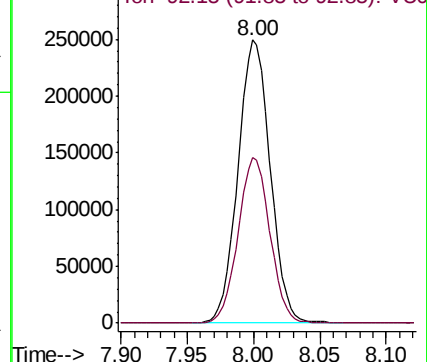
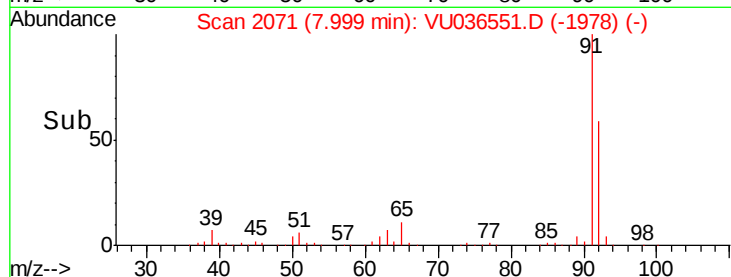
Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036551.D (-1978) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.501 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036551.D

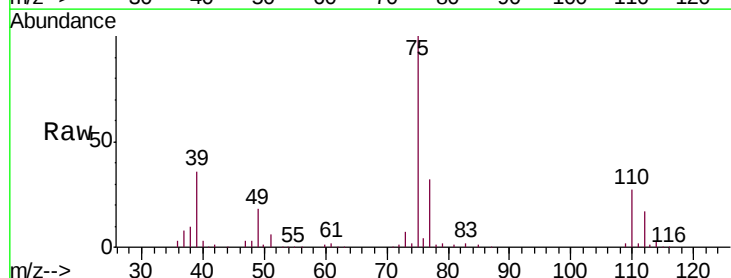
Acq: 24 Jan 2020 12:55

Tgt Ion: 75 Resp: 117895

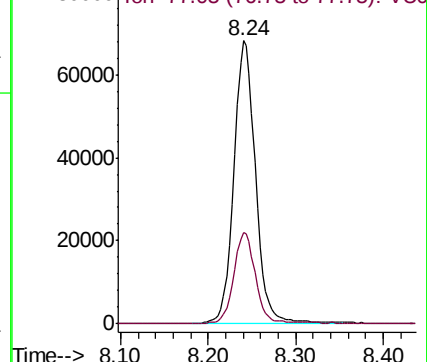
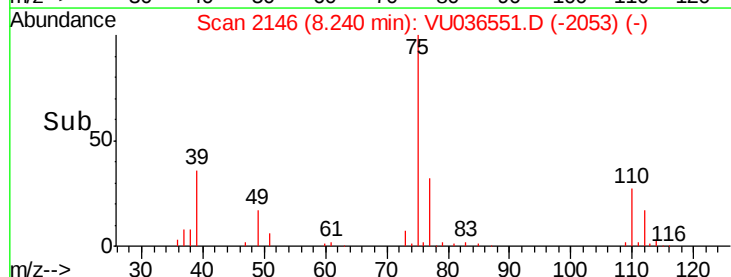
Ion Ratio Lower Upper

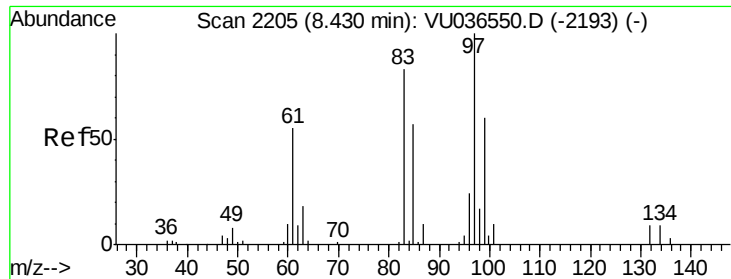
75 100

77 32.5 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036551.D (-2053) (-)

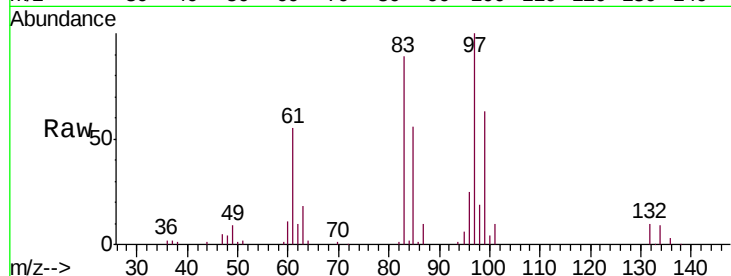




#45
 1,1,2-Trichloroethane
 Concen: 9.948 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

Tgt Ion:	97	Resp:	70458
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.1	78.3
83	88.6	58.4	108.6
85	55.7	39.6	73.6



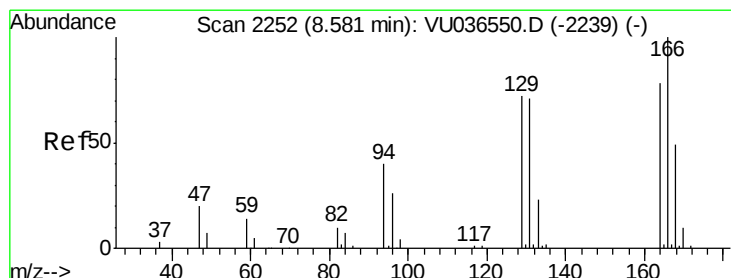
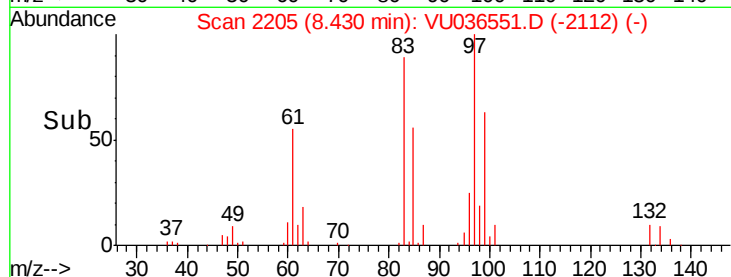
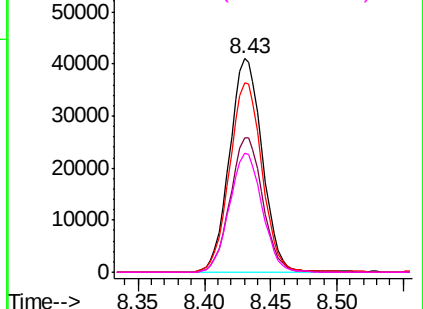
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

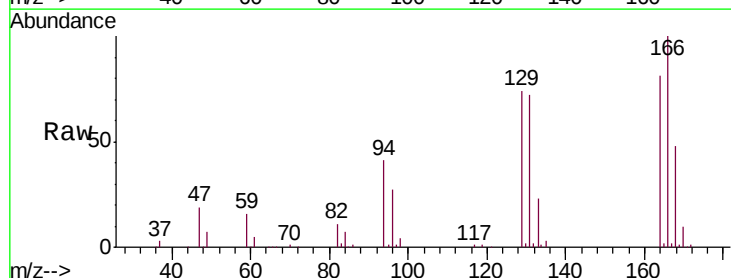
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 10.361 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion:	164	Resp:	83245
Ion	Ratio	Lower	Upper
164	100		
129	91.2	64.7	120.1
131	88.9	64.0	118.8
166	123.9	89.5	166.3



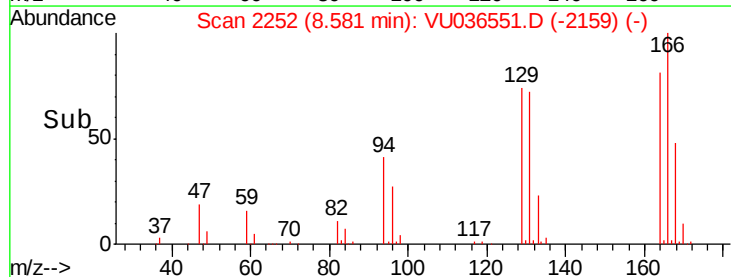
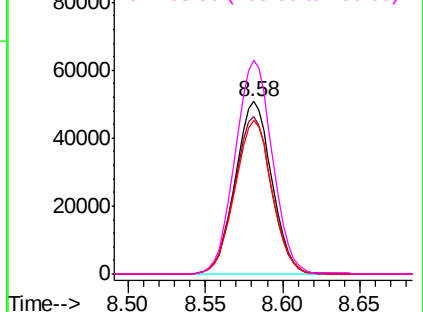
Abundance

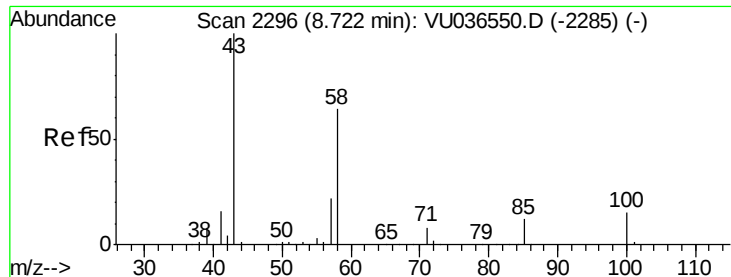
Ion 163.90 (163.60 to 164.60): V

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

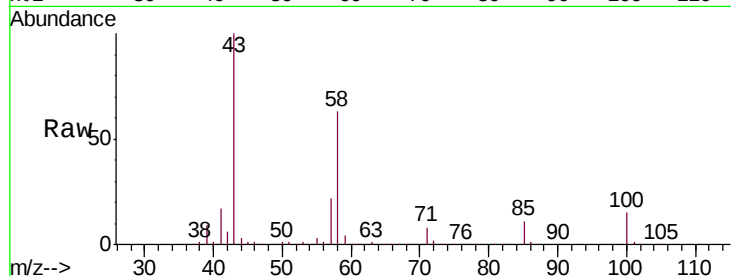




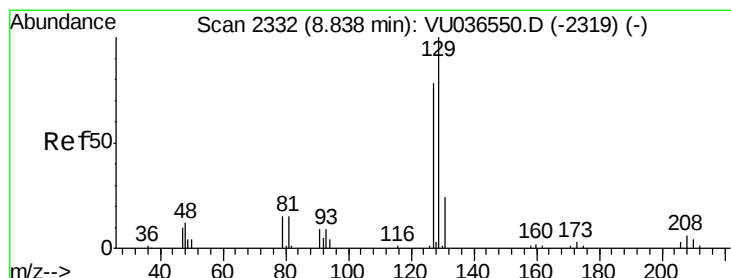
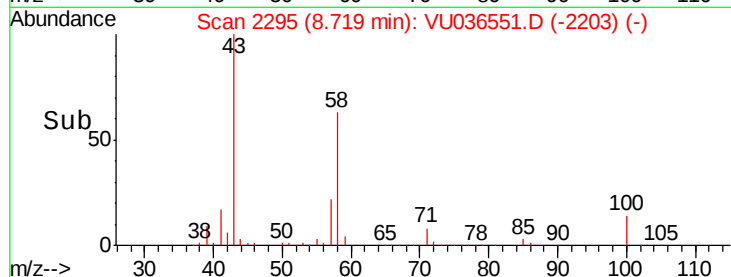
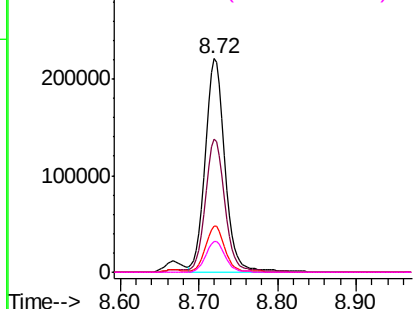
#48
2-Hexanone
Concen: 103.441 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD010604

Tgt Ion: 43 Resp: 382526
Ion Ratio Lower Upper
43 100
58 62.4 50.2 75.2
57 21.7 17.5 26.3
100 14.4 11.5 17.3

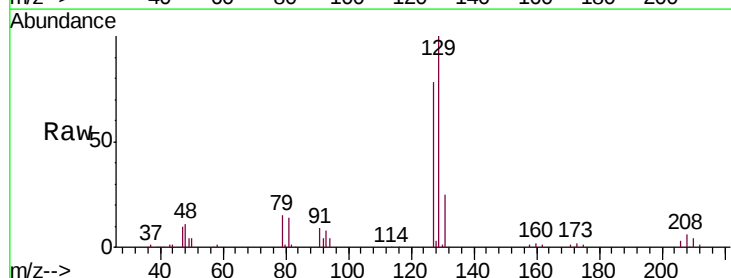


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

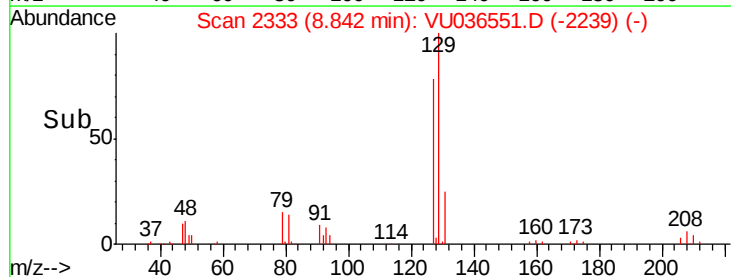
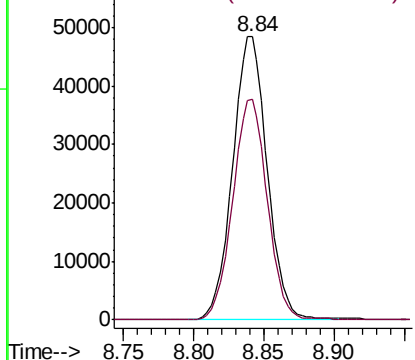


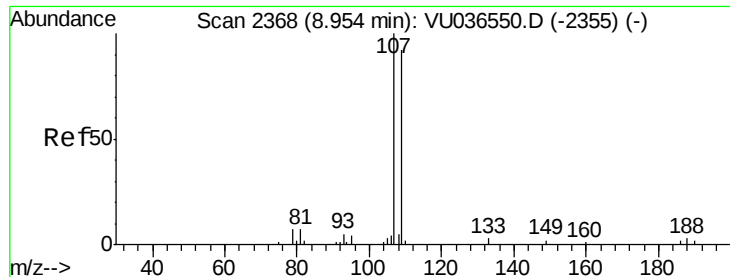
#49
Dibromochloromethane
Concen: 10.366 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036551.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 129 Resp: 83097
Ion Ratio Lower Upper
129 100
127 78.1 54.5 101.3



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

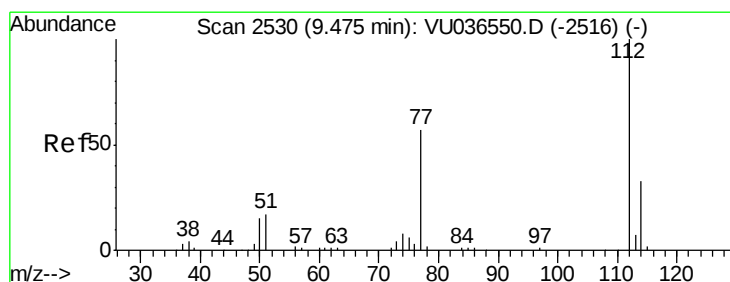
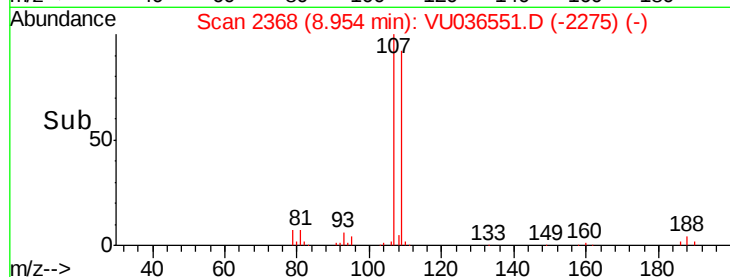
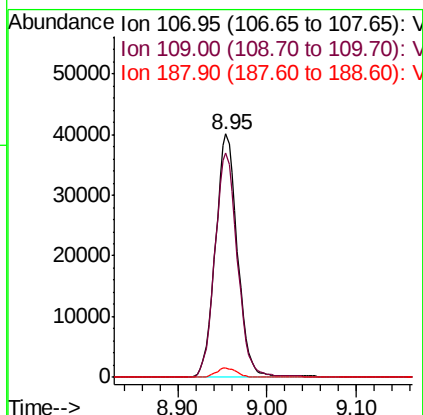
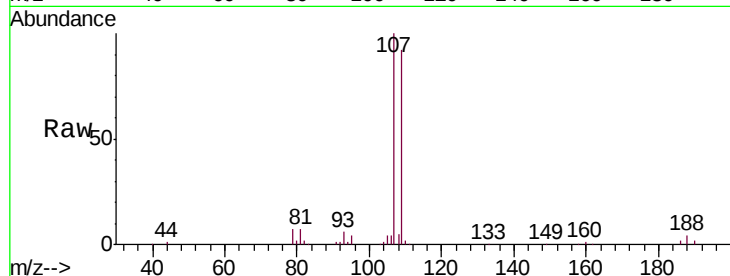




#50
 1,2-Dibromoethane
 Concen: 10.311 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

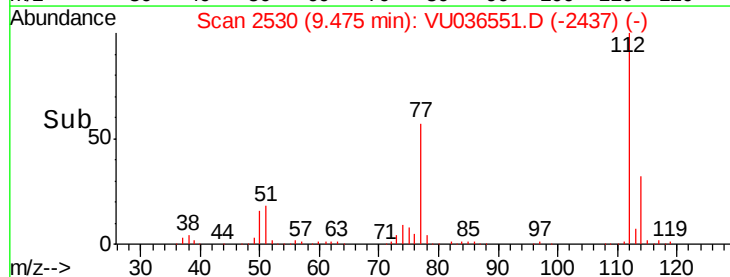
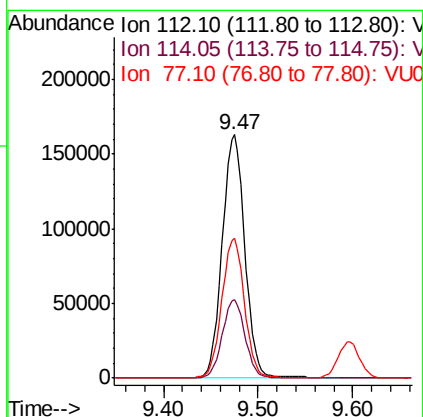
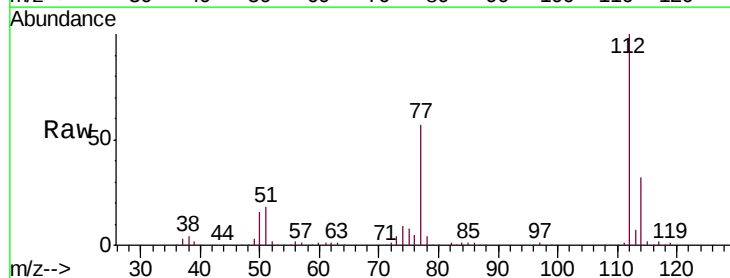
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

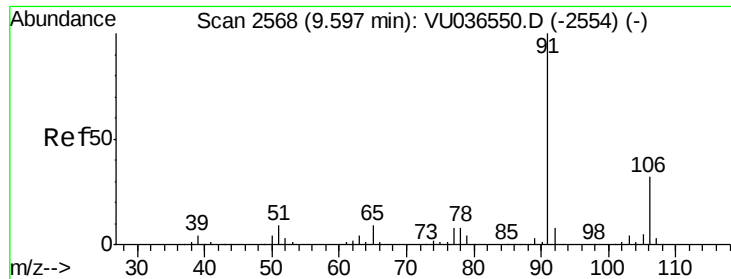
Tgt Ion:107 Resp: 69019
 Ion Ratio Lower Upper
 107 100
 109 92.2 64.5 119.9
 188 3.8 2.8 4.2



#51
 Chlorobenzene
 Concen: 10.185 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion:112 Resp: 270490
 Ion Ratio Lower Upper
 112 100
 114 32.5 23.2 43.2
 77 57.3 45.9 68.9





#52

Ethylbenzene

Concen: 10.266 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

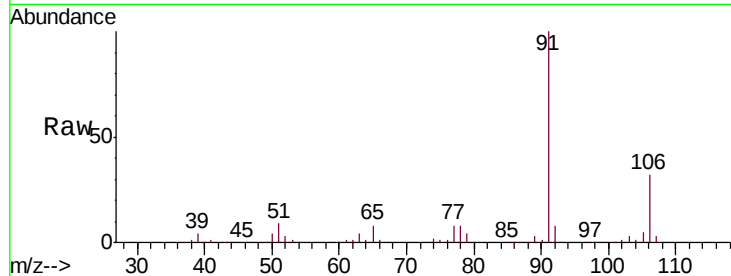
VSTD010604

Tgt Ion: 91 Resp: 464517

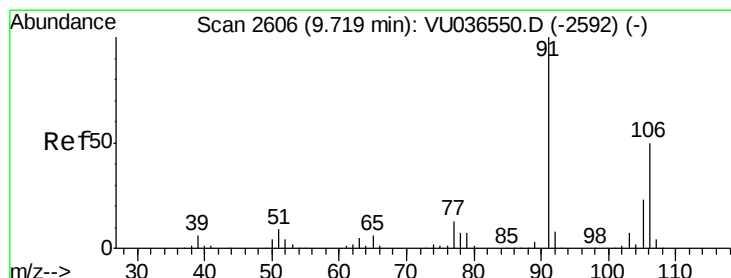
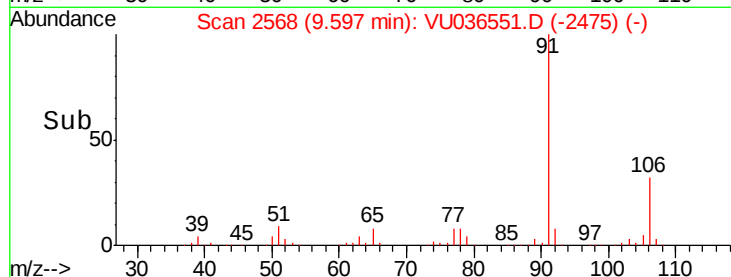
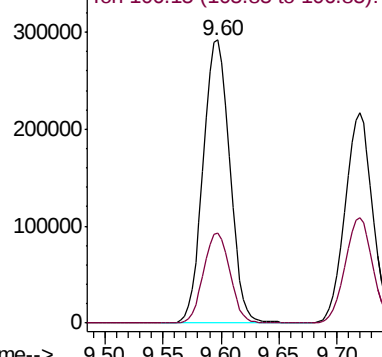
Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036551.D (-2554) (-)



#53

m,p-Xylene

Concen: 10.278 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036551.D

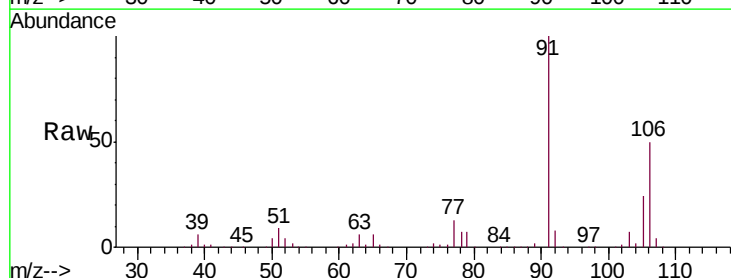
Acq: 24 Jan 2020 12:55

Tgt Ion: 106 Resp: 182097

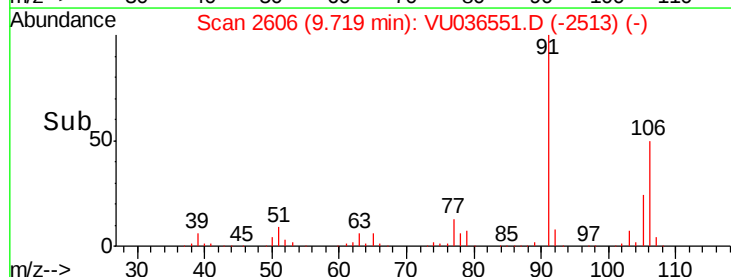
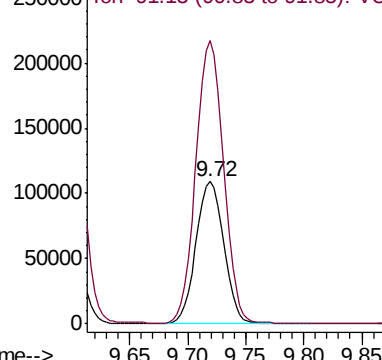
Ion Ratio Lower Upper

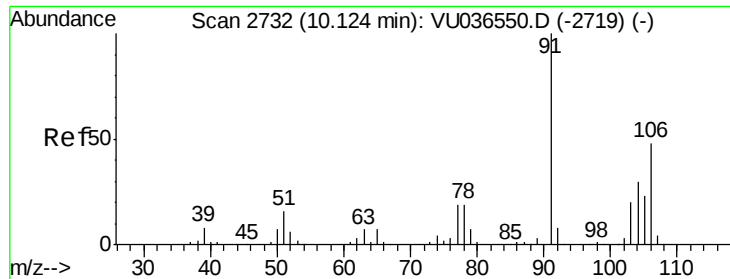
106 100

91 198.8 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036551.D (-2592) (-)





#54

o-Xylene

Concen: 10.399 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

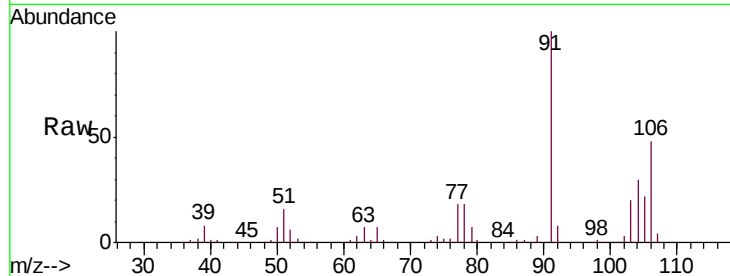
VSTD010604

Tgt Ion:106 Resp: 178205

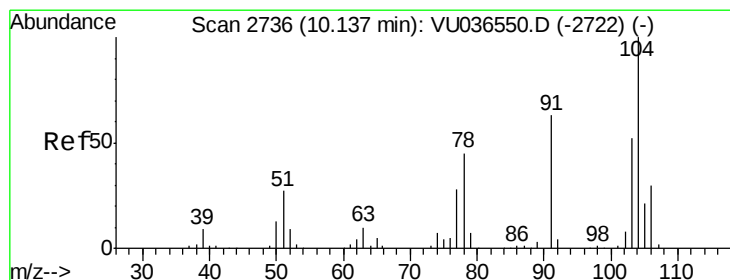
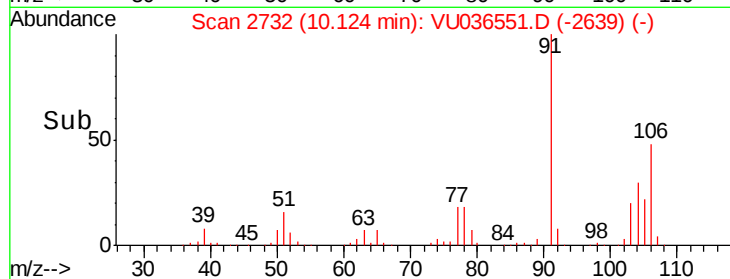
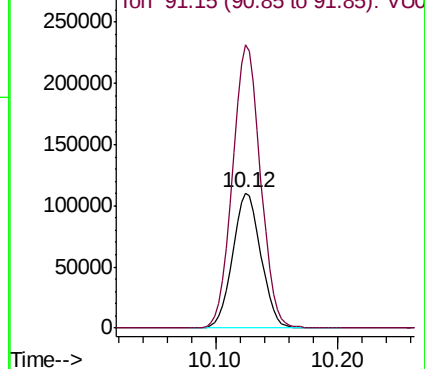
Ion Ratio Lower Upper

106 100

91 209.6 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 10.349 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036551.D

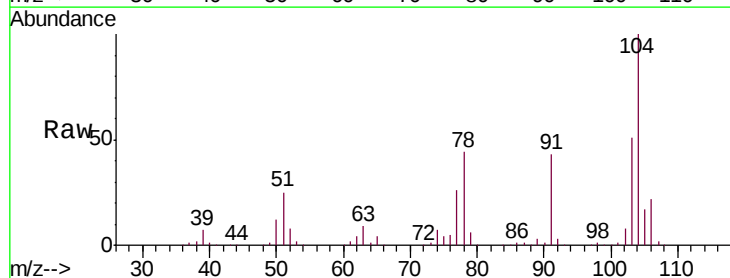
Acq: 24 Jan 2020 12:55

Tgt Ion:104 Resp: 295514

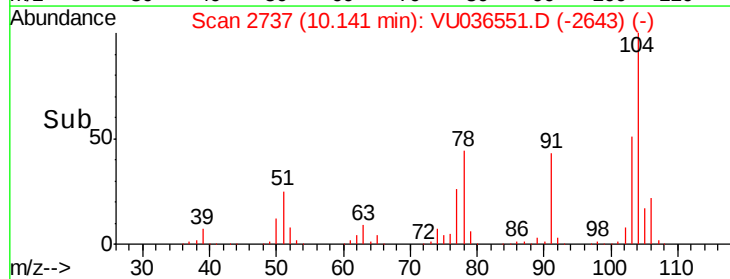
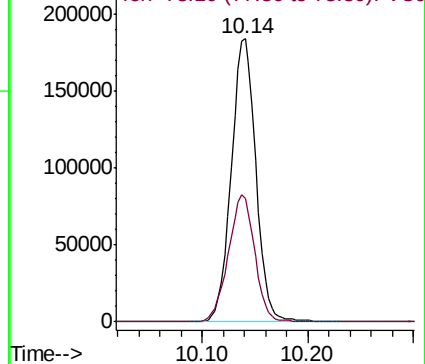
Ion Ratio Lower Upper

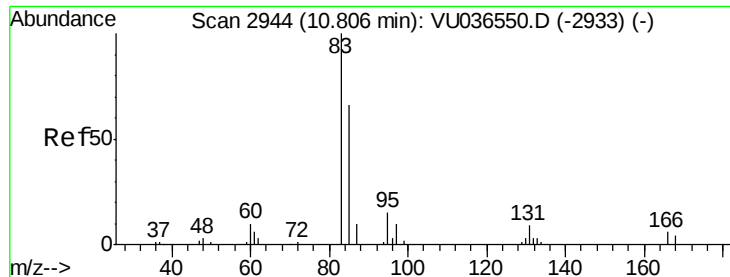
104 100

78 43.6 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V

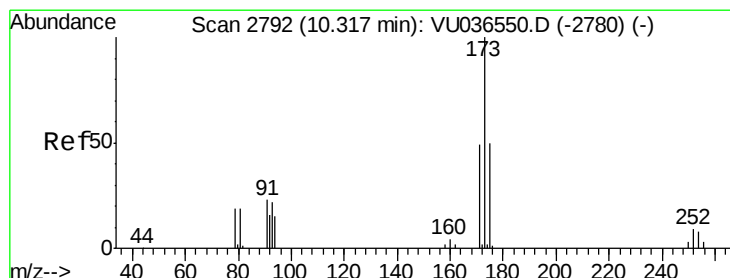
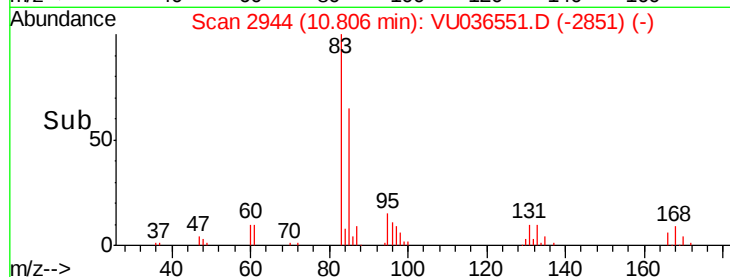
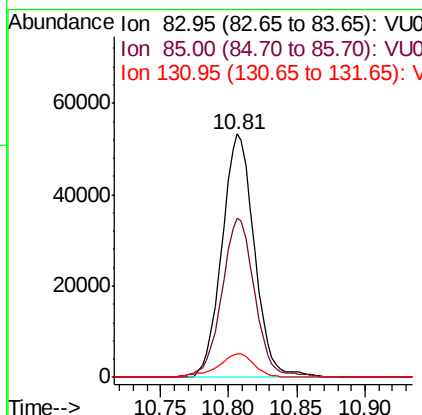
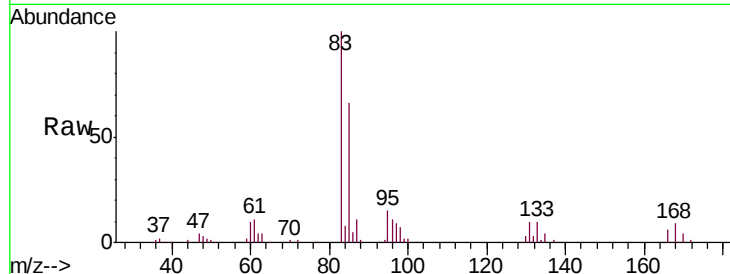




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.143 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

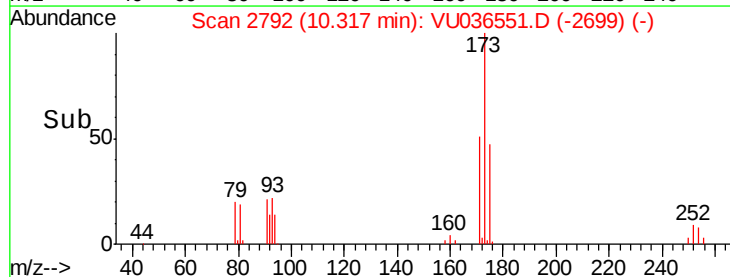
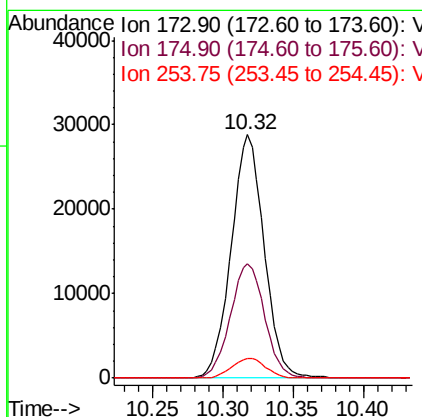
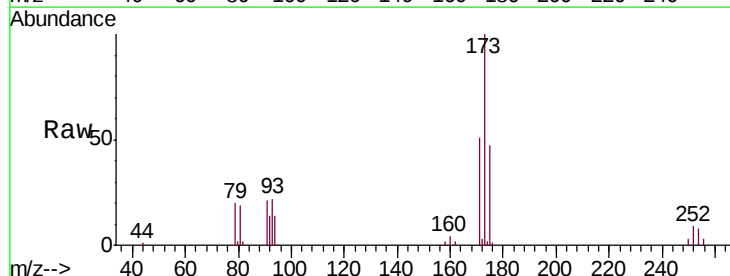
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

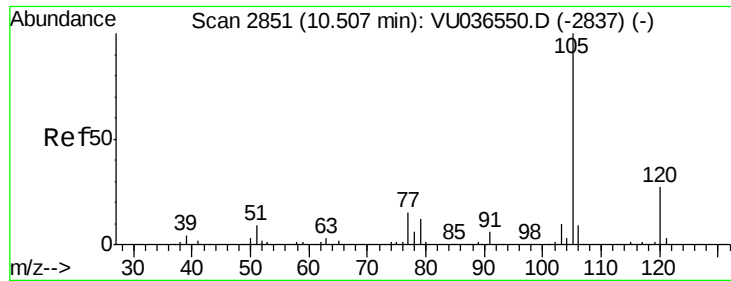
Tgt Ion: 83 Resp: 87969
 Ion Ratio Lower Upper
 83 100
 85 65.6 47.0 87.4
 131 9.6 8.1 12.1



#59
 Bromoform
 Concen: 10.187 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 173 Resp: 47102
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 8.2 6.3 9.5





#60

Isopropylbenzene

Concen: 10.116 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

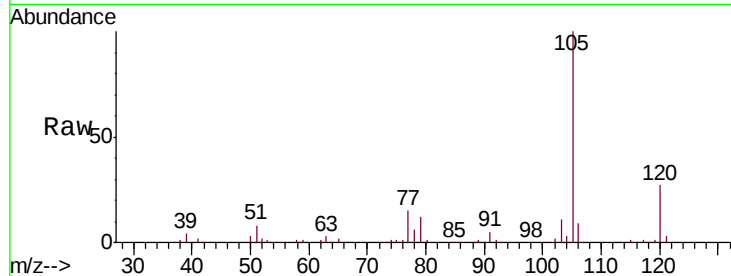
Tgt Ion: 105 Resp: 462740

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

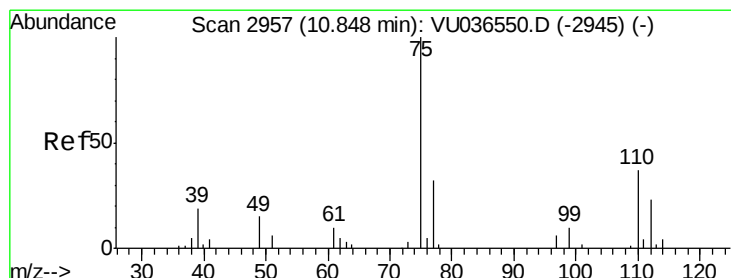
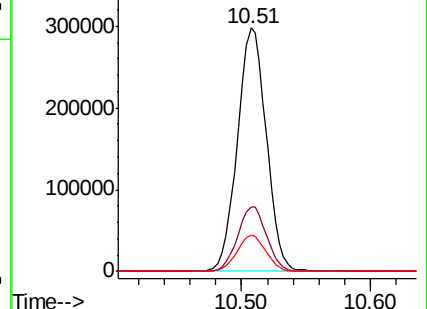
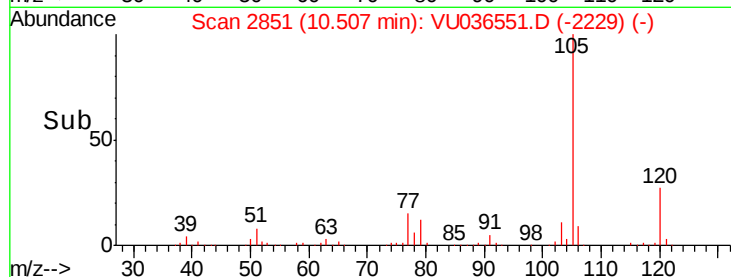
77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 9.961 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

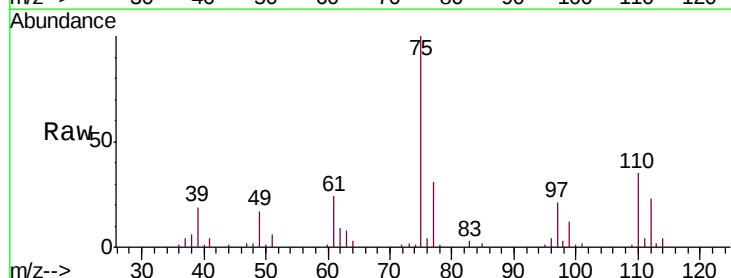
Tgt Ion: 75 Resp: 62261

Ion Ratio Lower Upper

75 100

110 36.0 29.0 43.4

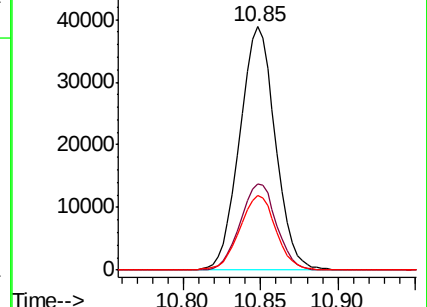
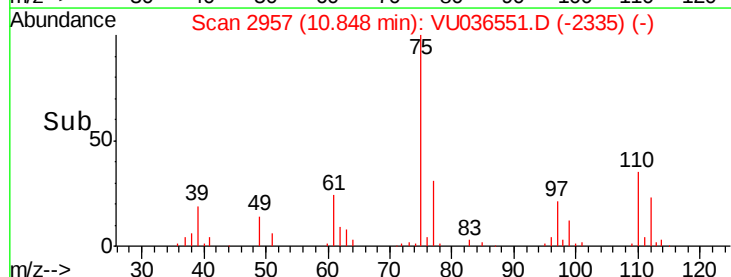
77 31.4 25.8 38.6

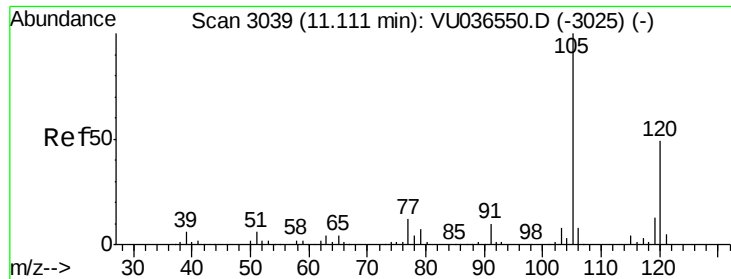


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 10.214 ug/L

RT: 11.11 min Scan# 3038

Delta R.T. -0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

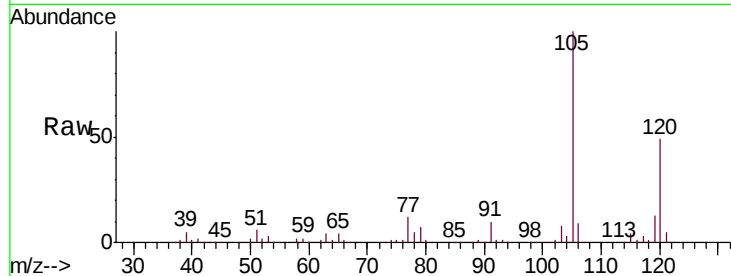
VSTD010604

Tgt Ion:105 Resp: 402836

Ion Ratio Lower Upper

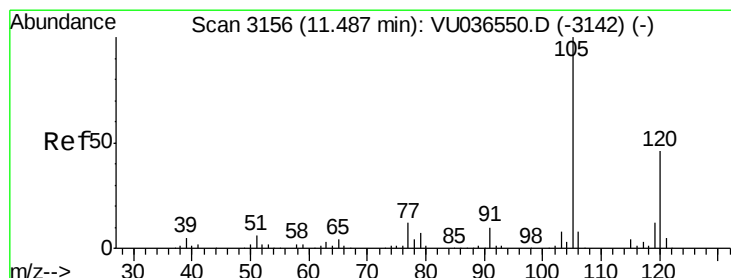
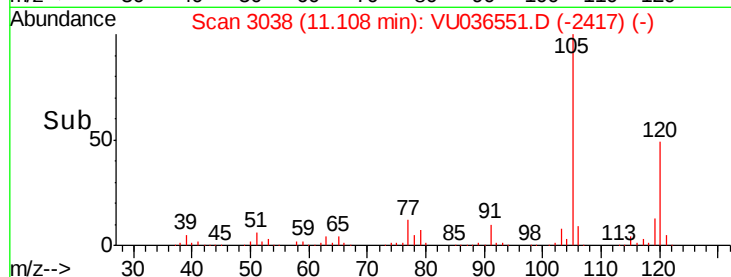
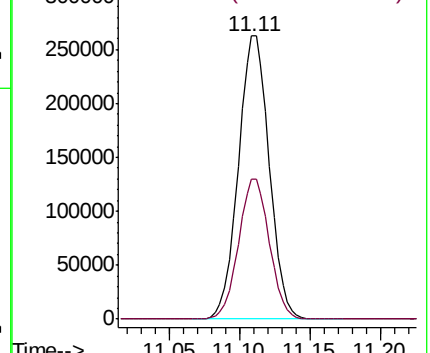
105 100

120 49.5 39.7 59.5



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: 10.188 ug/L

RT: 11.49 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU036551.D

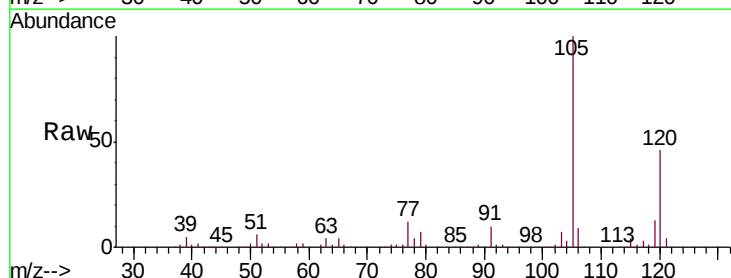
Acq: 24 Jan 2020 12:55

Tgt Ion:105 Resp: 402010

Ion Ratio Lower Upper

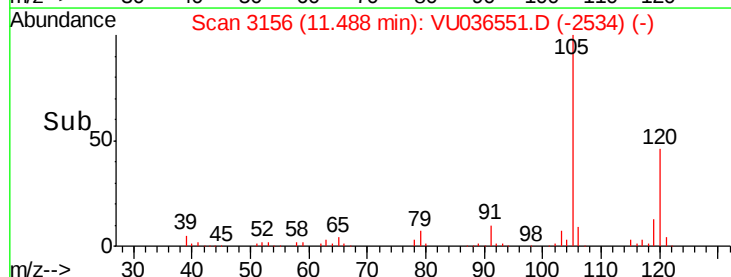
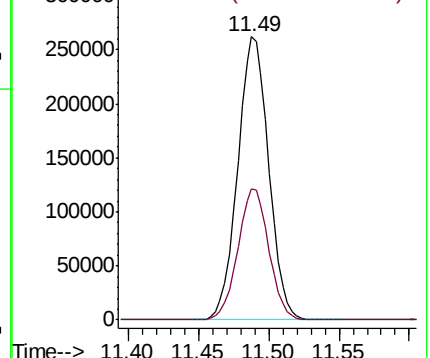
105 100

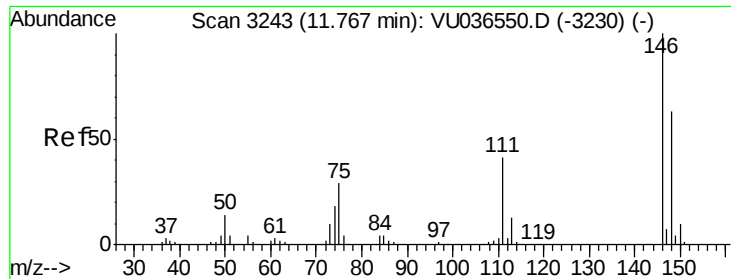
120 46.3 36.9 55.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

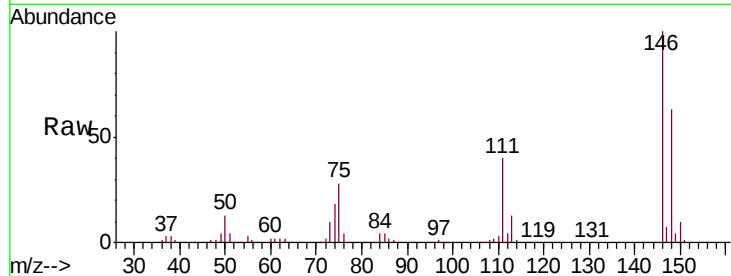




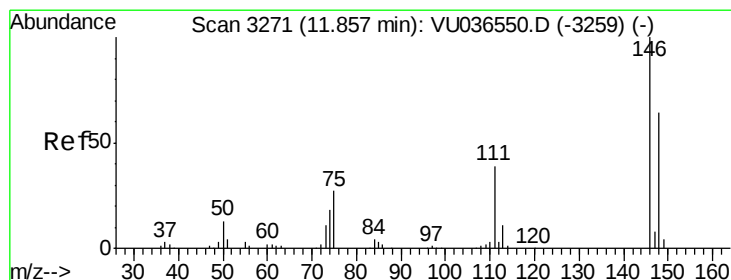
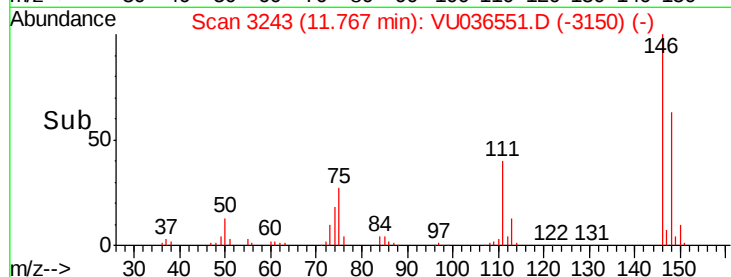
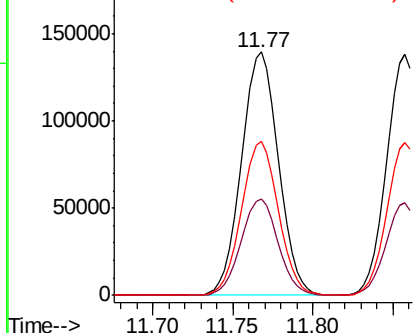
#64
 1,3-Dichlorobenzene
 Concen: 10.261 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

Tgt Ion:146 Resp: 219134
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.8 53.6
 148 63.2 44.2 82.2

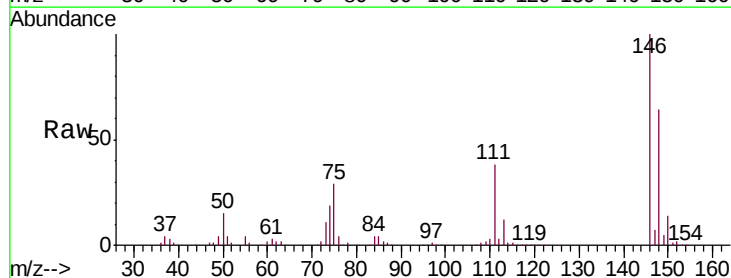


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

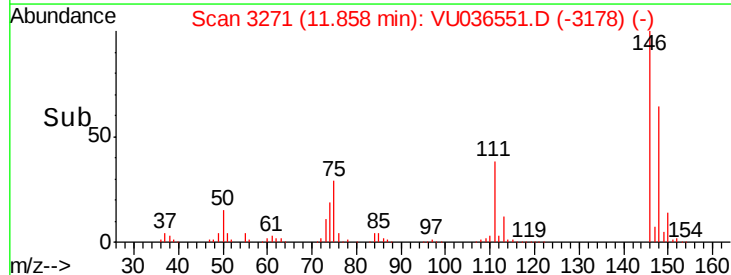
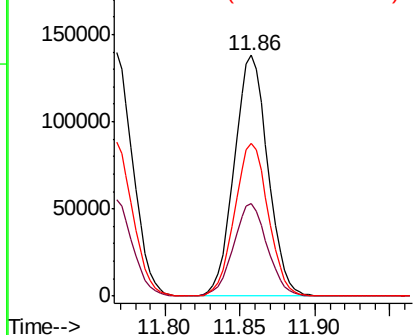


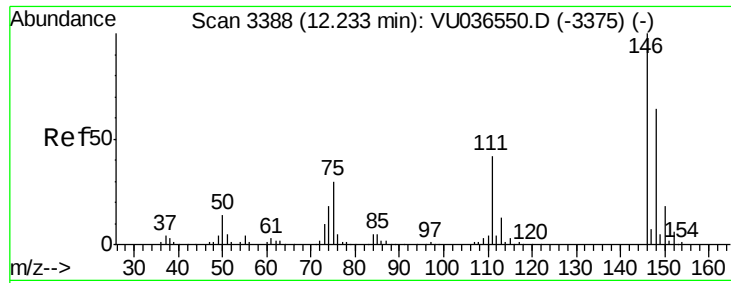
#65
 1,4-Dichlorobenzene
 Concen: 10.222 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion:146 Resp: 215579
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.2 50.6
 148 63.6 44.8 83.2



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

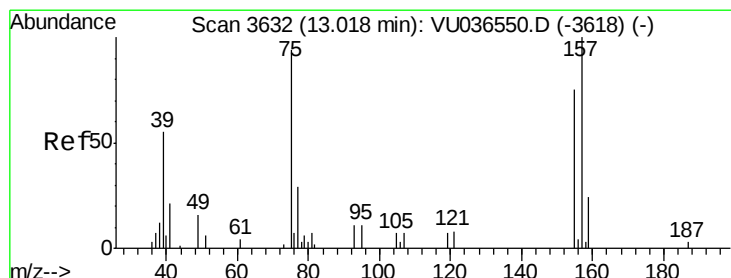
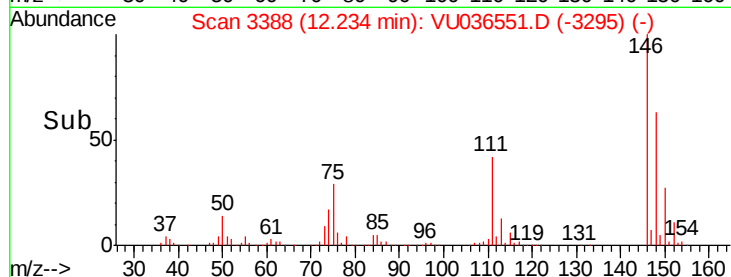
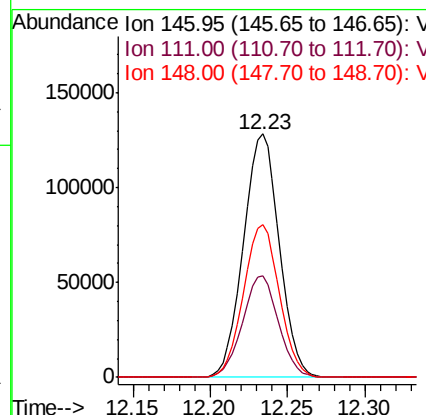
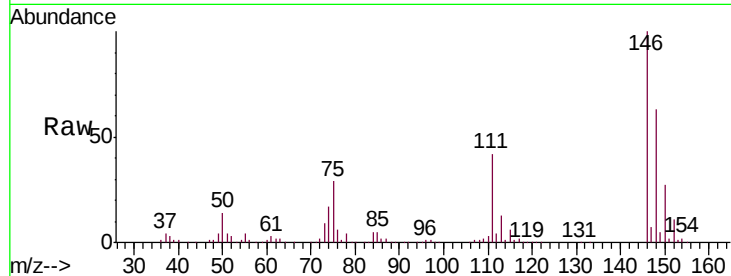




#67
 1,2-Dichlorobenzene
 Concen: 10.217 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

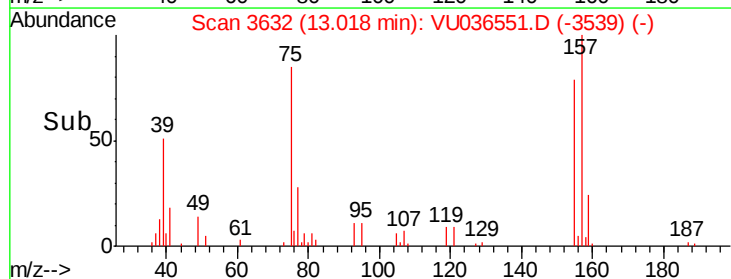
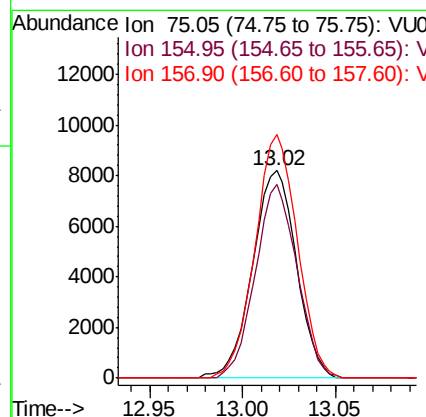
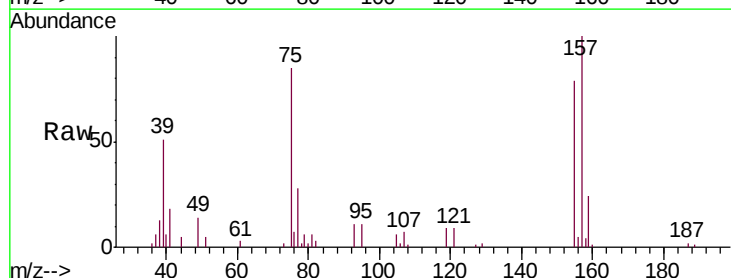
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

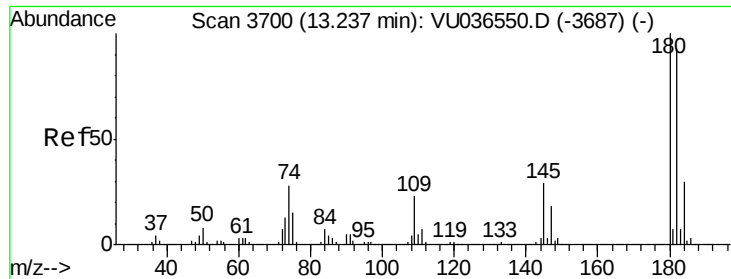
Tgt Ion: 146 Resp: 206706
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.4 50.0
 148 62.5 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.985 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 75 Resp: 13471
 Ion Ratio Lower Upper
 75 100
 155 93.0 64.2 96.4
 157 117.3 85.1 127.7

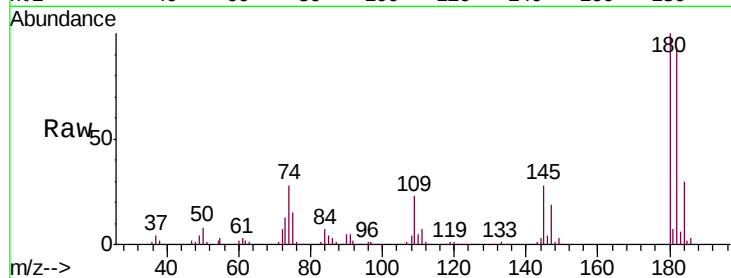




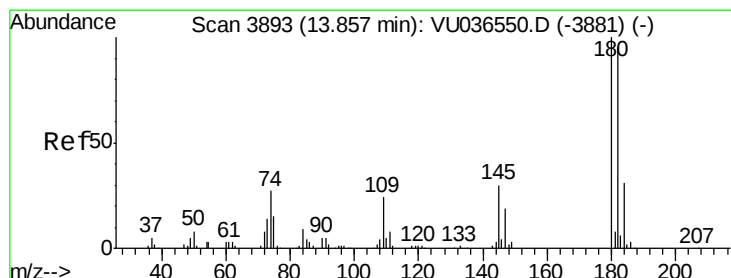
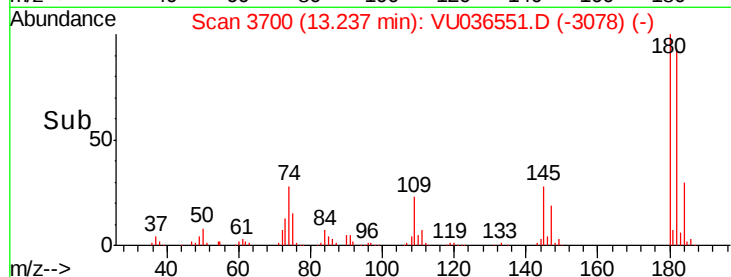
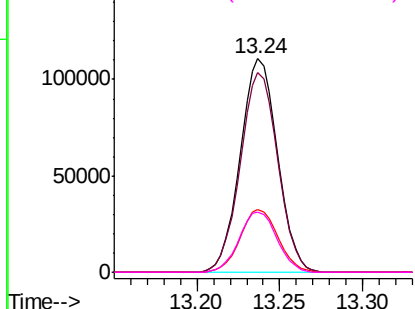
#69
 1,3,5-Trichlorobenzene
 Concen: 10.217 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010604

Tgt Ion:180 Resp: 172824
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.2 112.8
 184 30.0 23.9 35.9
 145 28.8 22.7 34.1

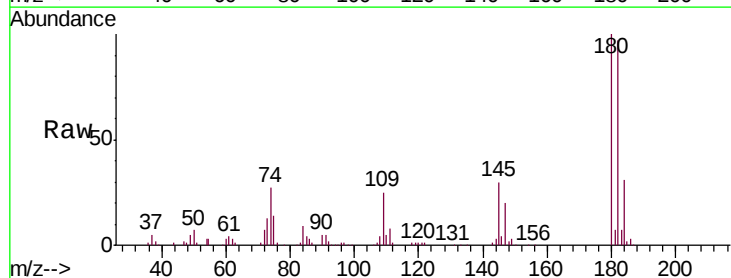


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

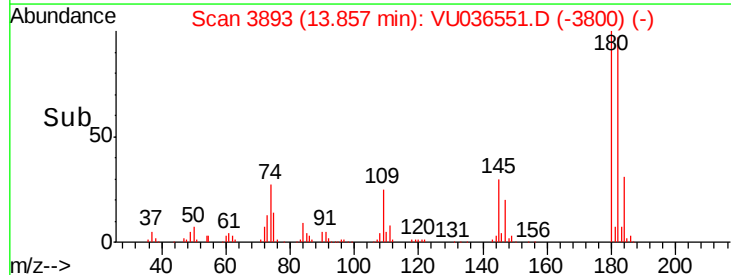
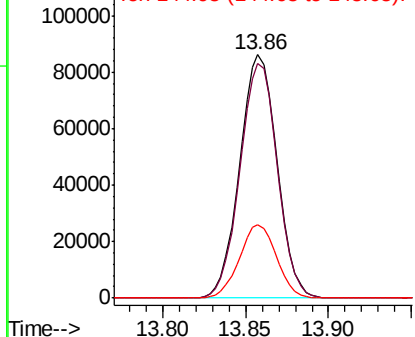


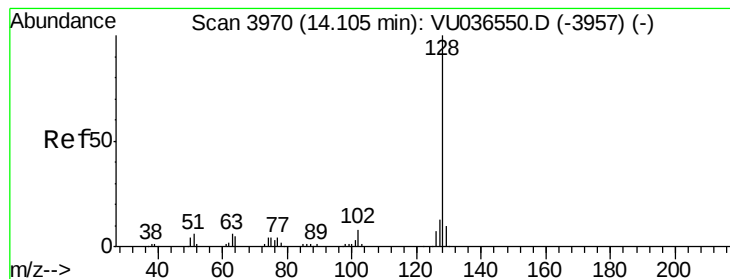
#70
 1,2,4-trichlorobenzene
 Concen: 10.790 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036551.D
 Acq: 24 Jan 2020 12:55

Tgt Ion:180 Resp: 134971
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 145 29.9 23.9 35.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 11.683 ug/L

RT: 14.11 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD010604

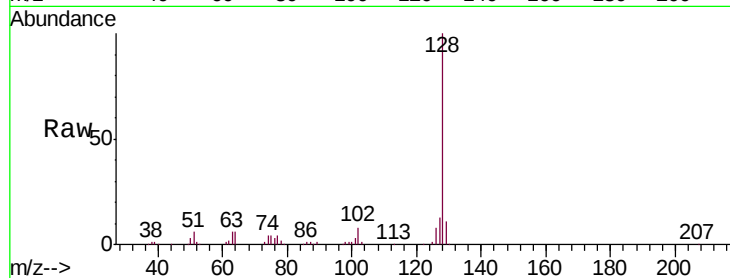
Tgt Ion:128 Resp: 212271

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

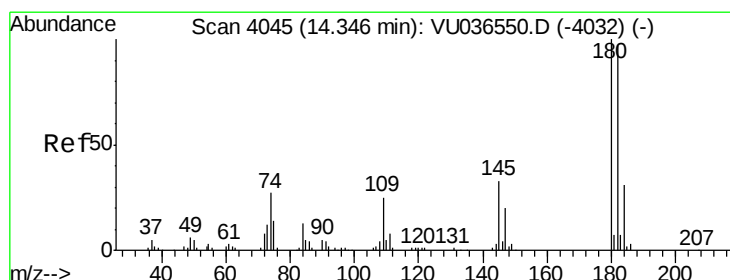
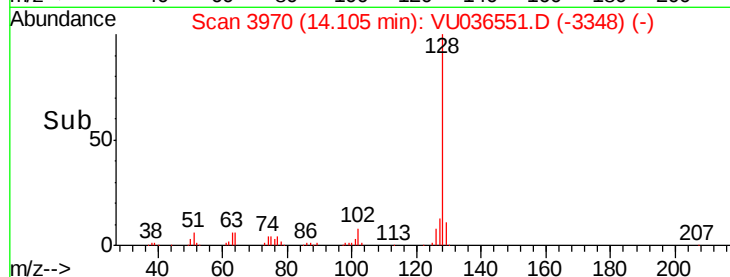
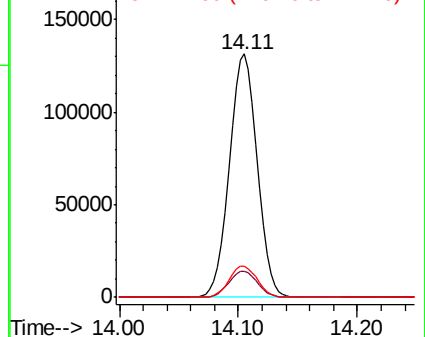
127 13.0 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 10.763 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036551.D

Acq: 24 Jan 2020 12:55

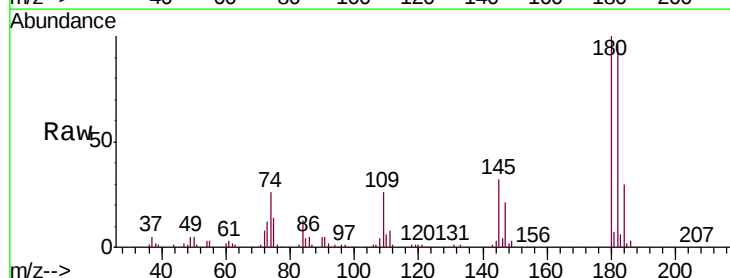
Tgt Ion:180 Resp: 121785

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 31.3 25.6 38.4



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

