

Data File : VU036552.D
Acq On : 24 Jan 2020 13:23
Operator : JC/MD
Sample : VSTD02001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

Quant Time: Jan 24 22:53:30 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	145294	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	136516	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	69674	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	167883	20.97	ug/L	0.00
7) Chloroethane-d5	1.93	69	150322	20.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	65	70893	21.41	ug/L	0.00
20) 2-Butanone-d5	4.68	46	397982	226.05	ug/L	-0.01
24) Chloroform-d	5.11	84	323082	21.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	162405	21.17	ug/L	0.00
32) Benzene-d6	5.77	84	683974	21.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	210997	21.08	ug/L	0.00
41) Toluene-d8	7.93	98	672186	21.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	88436	21.89	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	410816	218.22	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	170695	21.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	250144	21.45	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	214687	20.517	ug/L	99
3) Chloromethane	1.54	50	221391	20.313	ug/L	99
5) Vinyl chloride	1.62	62	244970	20.190	ug/L	99
6) Bromomethane	1.87	94	145432	20.549	ug/L	98
8) Chloroethane	1.95	64	140237	19.852	ug/L	97
9) Trichlorofluoromethane	2.16	101	281409	19.933	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	176292	19.863	ug/L	97
12) 1,1-Dichloroethene	2.60	96	172644	19.933	ug/L	98
13) Acetone	2.67	43	244085	194.021	ug/L	100
14) Carbon disulfide	2.82	76	552441	20.396	ug/L	99
15) Methyl Acetate	2.99	43	64768	21.106	ug/L	99
16) Methylene chloride	3.08	84	191189	19.446	ug/L	99
17) Methyl tert-butyl Ether	3.41	73	440080	19.976	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	188611	20.241	ug/L	98
19) 1,1-Dichloroethane	3.92	63	324243	19.936	ug/L	99
21) 2-Butanone	4.76	43	429046	204.081	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	209570	20.284	ug/L	97
23) Bromochloromethane	5.02	128	92270	20.565	ug/L	98
25) Chloroform	5.13	83	324249	20.136	ug/L	100
27) 1,2-Dichloroethane	5.84	62	202797	20.043	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	272640	20.492	ug/L	99
30) Cyclohexane	5.43	56	307946	20.169	ug/L	99
31) Carbon tetrachloride	5.57	117	236504	20.469	ug/L	99
33) Benzene	5.82	78	760817	20.189	ug/L	100
34) Trichloroethene	6.58	95	202555	20.123	ug/L	98
35) Methylcyclohexane	6.80	83	355002	20.622	ug/L	98
37) 1,2-Dichloropropane	6.83	63	190421	19.694	ug/L	100
38) Bromodichloromethane	7.14	83	235429	20.126	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	309074	21.165	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	1062310	200.712	ug/L	99

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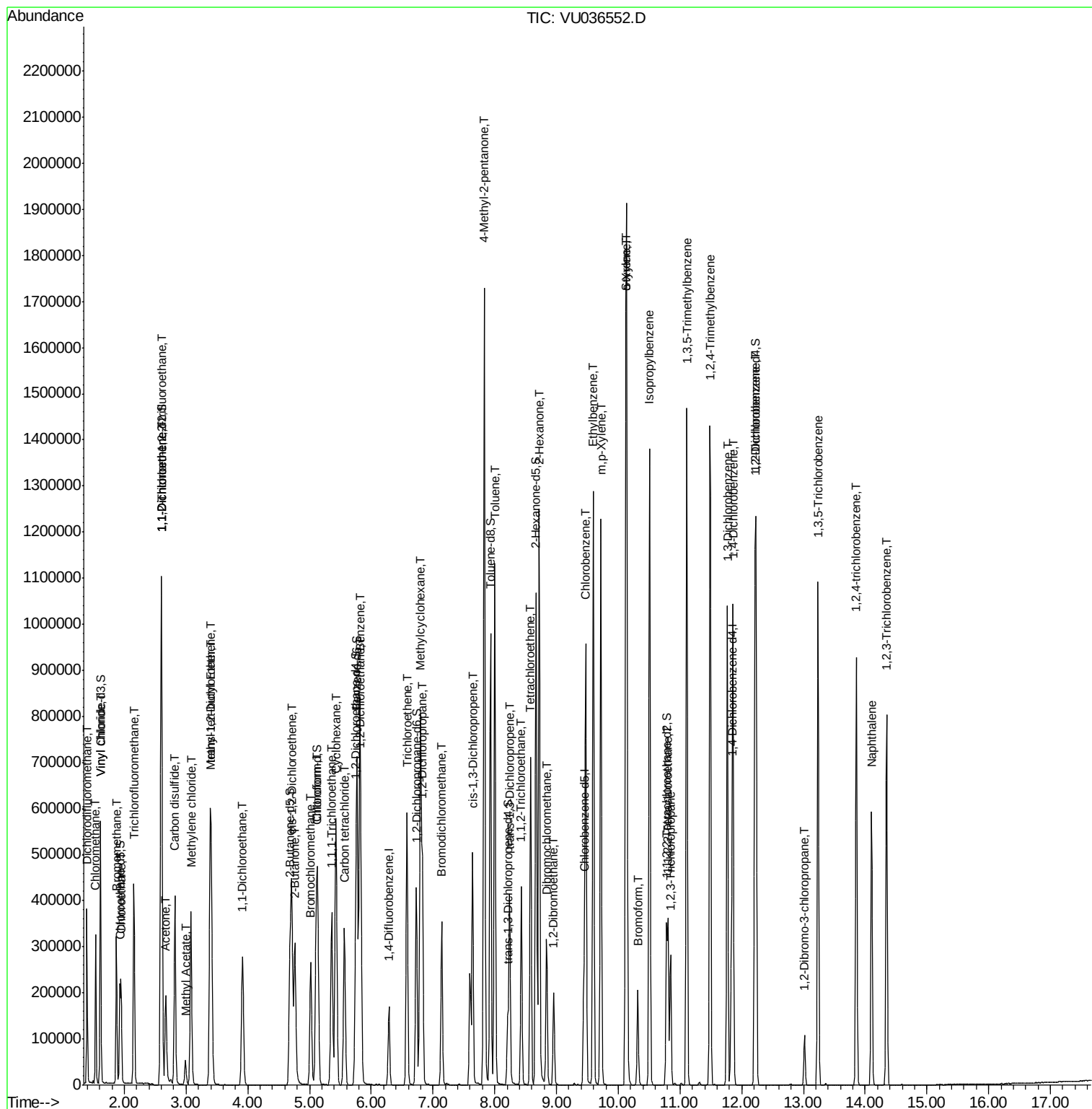
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	840140	20.105	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	239512	21.108	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	138045	19.284	ug/L	97
47) Tetrachloroethene	8.58	164	164776	20.290	ug/L	99
48) 2-Hexanone	8.72	43	743485	198.916	ug/L	100
49) Dibromochloromethane	8.84	129	167208	20.637	ug/L	100
50) 1,2-Dibromoethane	8.95	107	135828	20.076	ug/L	96
51) Chlorobenzene	9.47	112	538829	20.074	ug/L	99
52) Ethylbenzene	9.60	91	924934	20.225	ug/L	99
53) m,p-Xylene	9.72	106	362432	20.239	ug/L	98
54) o-Xylene	10.12	106	352987	20.380	ug/L	99
55) Styrene	10.14	104	595342	20.627	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.81	83	175156	19.981	ug/L	98
59) Bromoform	10.32	173	96418	20.836	ug/L	100
60) Isopropylbenzene	10.51	105	925491	20.216	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	123768	19.787	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	812259	20.579	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	812513	20.576	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	436702	20.434	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	433373	20.533	ug/L	100
67) 1,2-Dichlorobenzene	12.23	146	409207	20.211	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.02	75	27199	20.146	ug/L	89
69) 1,3,5-Trichlorobenzene	13.24	180	350519	20.706	ug/L	99
70) 1,2,4-trichlorobenzene	13.86	180	290952	23.242	ug/L	100
71) Naphthalene	14.10	128	484428	26.642	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	258272	22.808	ug/L	100

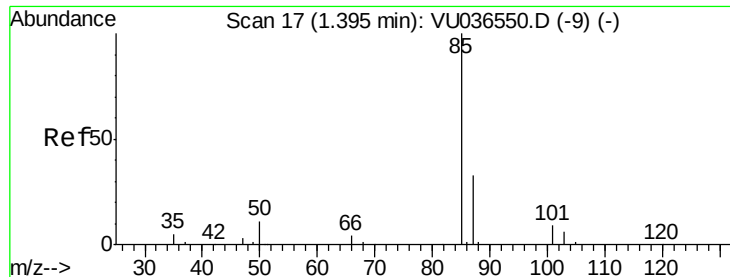
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.517 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

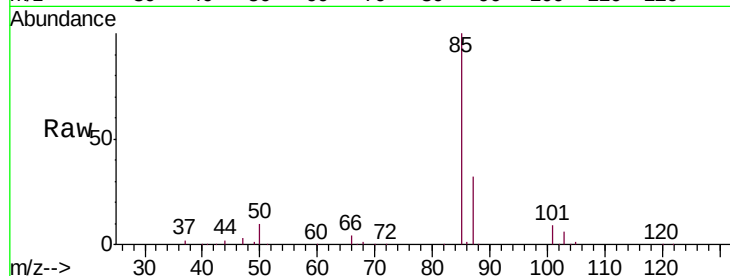
VSTD020605

Tgt Ion: 85 Resp: 214687

Ion Ratio Lower Upper

85 100

87 32.1 26.0 39.0



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

Ion 87.00 (86.70 to 87.70): VU036550.D (-9) (-)

1.39

200000

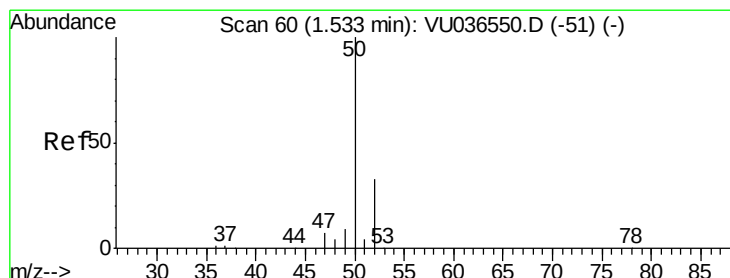
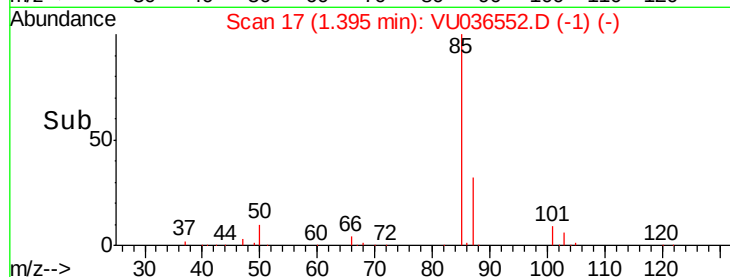
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 20.313 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036552.D

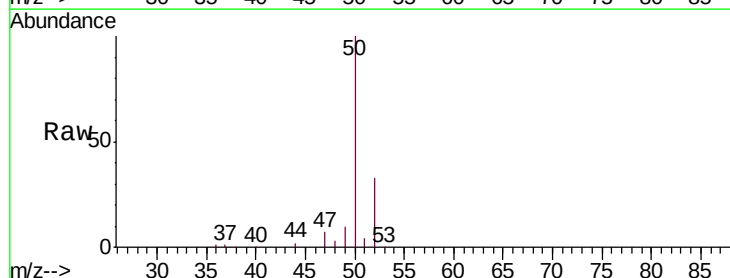
Acq: 24 Jan 2020 13:23

Tgt Ion: 50 Resp: 221391

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.3



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

Ion 52.05 (51.75 to 52.75): VU036550.D (-51) (-)

1.54

200000

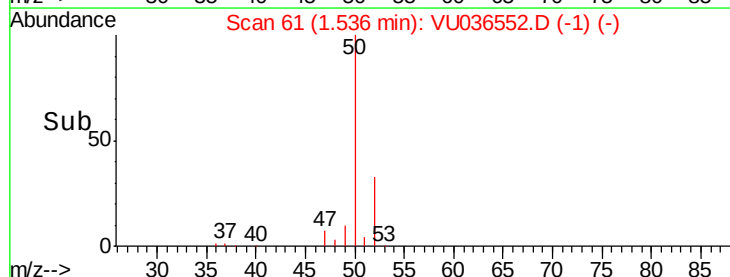
150000

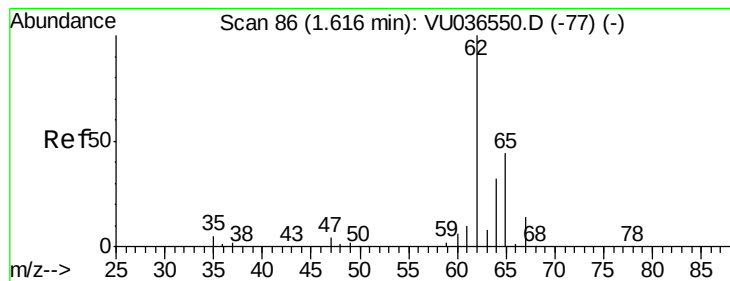
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 20.190 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

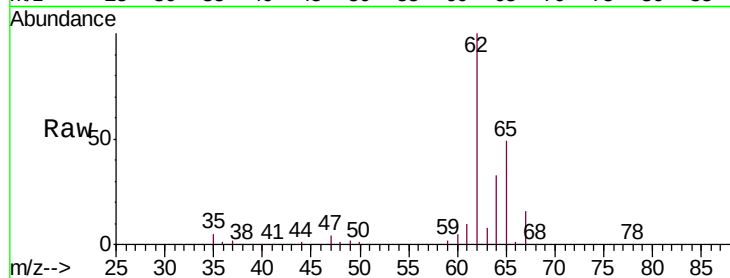
VSTD020605

Tgt Ion: 62 Resp: 244970

Ion Ratio Lower Upper

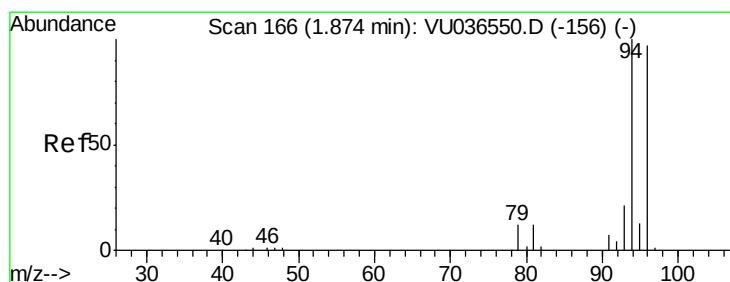
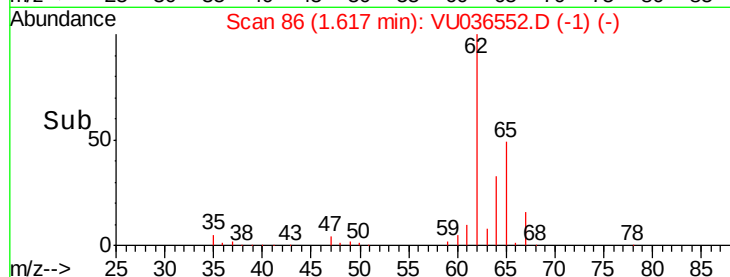
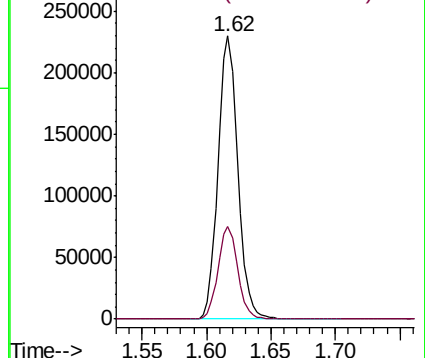
62 100

64 32.8 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU036552.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036552.D (-77) (-)



#6

Bromomethane

Concen: 20.549 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036552.D

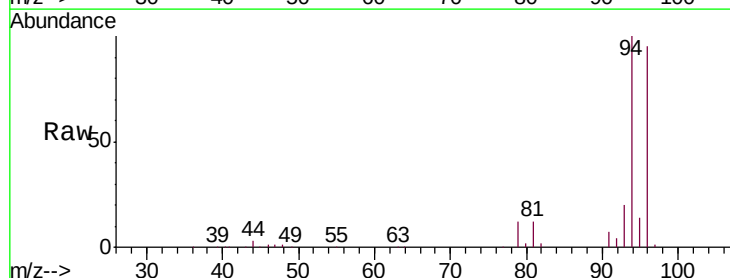
Acq: 24 Jan 2020 13:23

Tgt Ion: 94 Resp: 145432

Ion Ratio Lower Upper

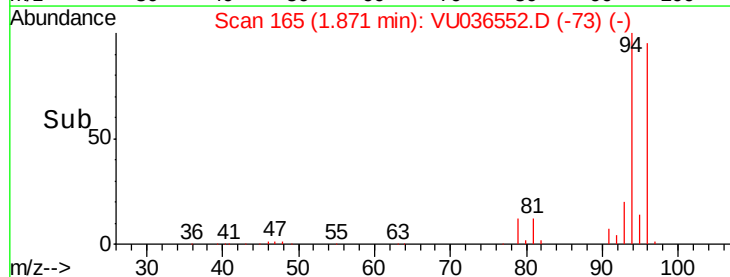
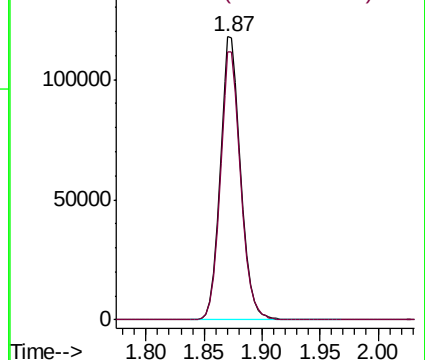
94 100

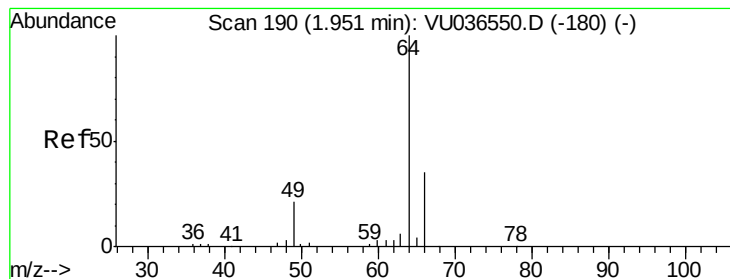
96 94.6 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036552.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036552.D (-156) (-)





#8

Chloroethane

Concen: 19.852 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

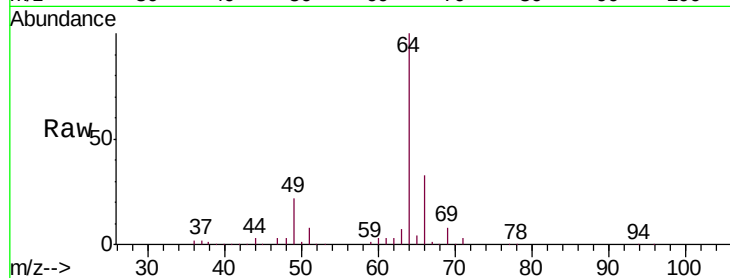
VSTD020605

Tgt Ion: 64 Resp: 140237

Ion Ratio Lower Upper

64 100

66 32.8 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VU036550.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036550.D (-180) (-)

1.95

120000

100000

80000

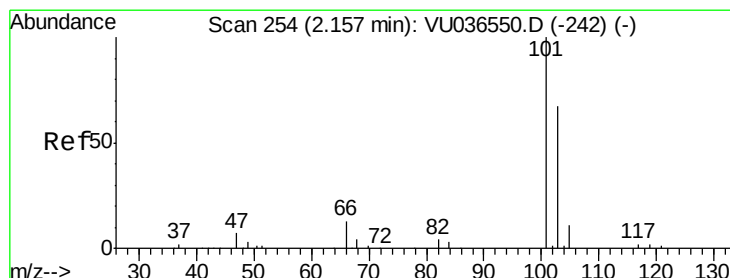
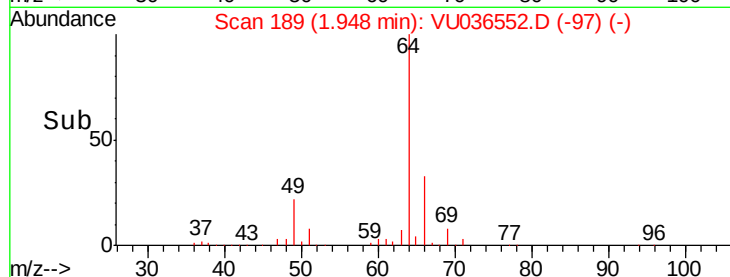
60000

40000

20000

0

Time--> 1.85 1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 19.933 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036552.D

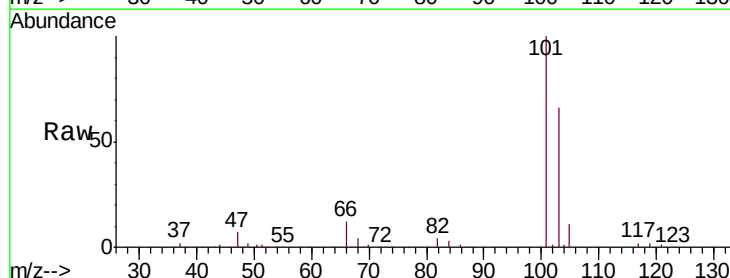
Acq: 24 Jan 2020 13:23

Tgt Ion: 101 Resp: 281409

Ion Ratio Lower Upper

101 100

103 65.1 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU036550.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036550.D (-242) (-)

2.16

200000

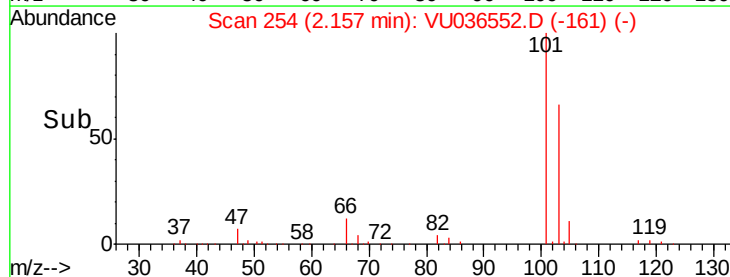
150000

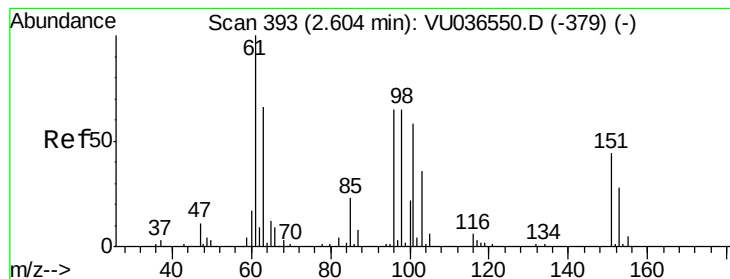
100000

50000

0

Time--> 2.05 2.10 2.15 2.20 2.25





#10

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

Concen: 19.863 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

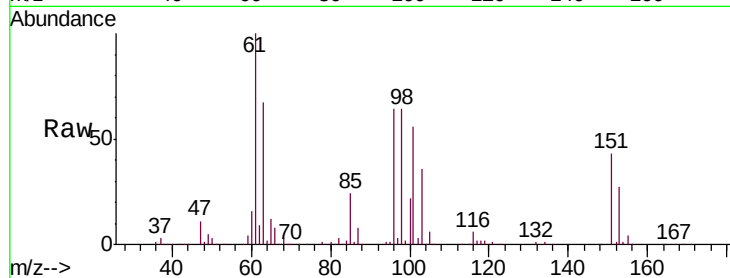
Tgt Ion: 101 Resp: 176292

Ion Ratio Lower Upper

101 100

85 42.0 32.2 48.4

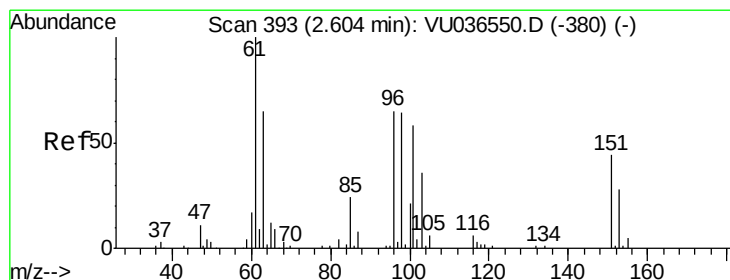
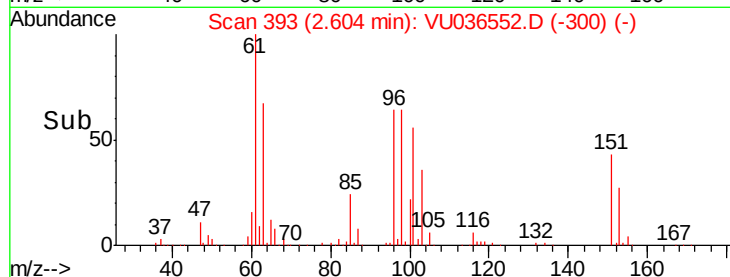
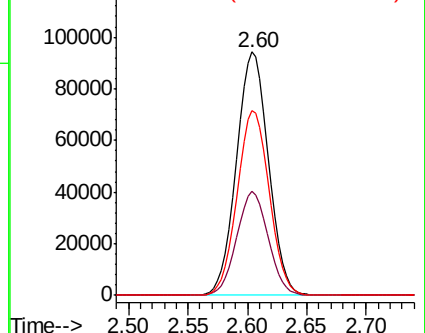
151 76.2 59.2 88.8



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: 19.933 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

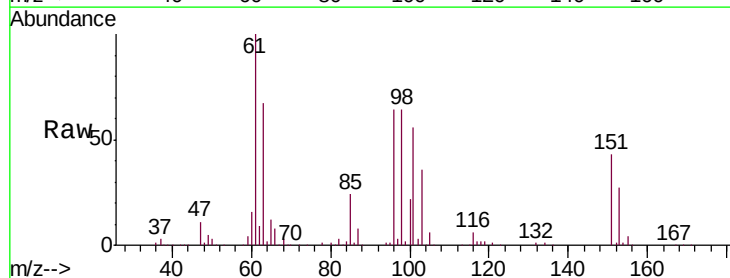
Tgt Ion: 96 Resp: 172644

Ion Ratio Lower Upper

96 100

61 156.5 108.2 201.0

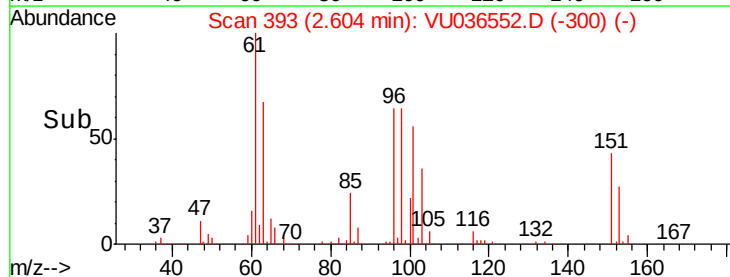
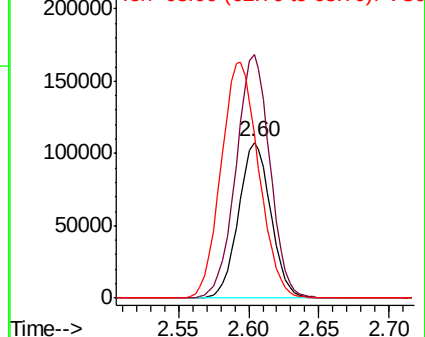
63 105.4 72.0 133.8

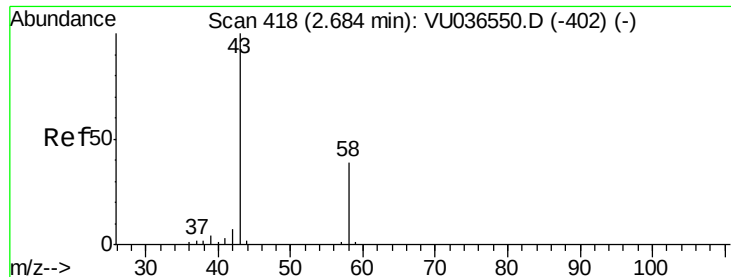


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 194.021 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

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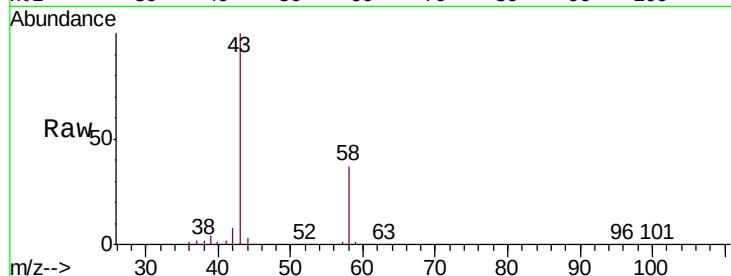
VSTD020605

Tgt Ion: 43 Resp: 244085

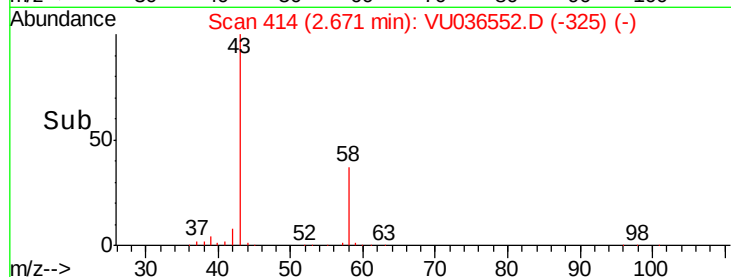
Ion Ratio Lower Upper

43 100

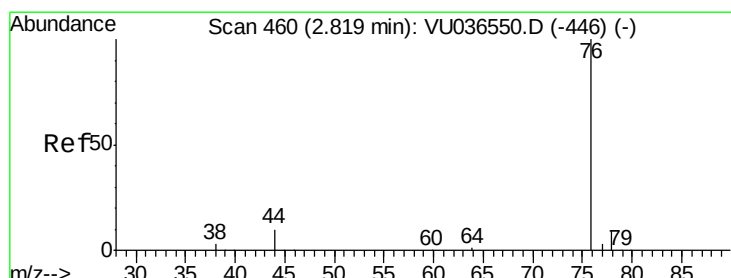
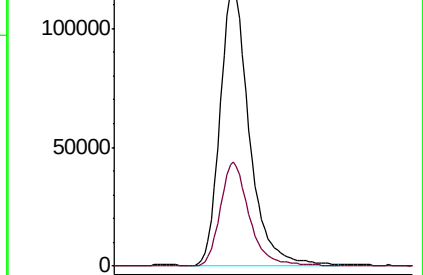
58 37.3 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036552.D (-325) (-)



Ion 58.05 (57.75 to 58.75): VU036552.D (-325) (-)



#14

Carbon disulfide

Concen: 20.396 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036552.D

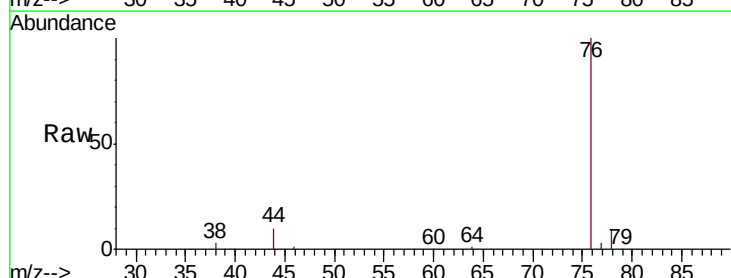
Acq: 24 Jan 2020 13:23

Tgt Ion: 76 Resp: 552441

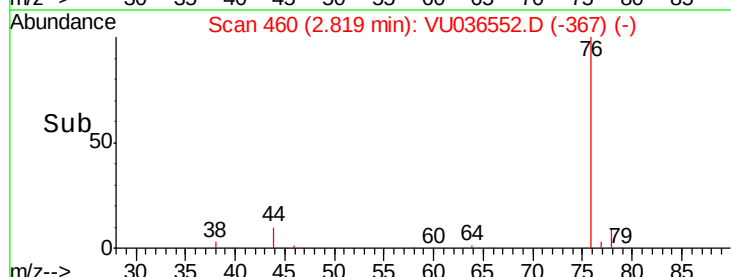
Ion Ratio Lower Upper

76 100

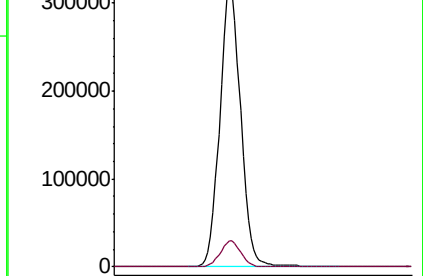
78 9.2 7.5 11.3

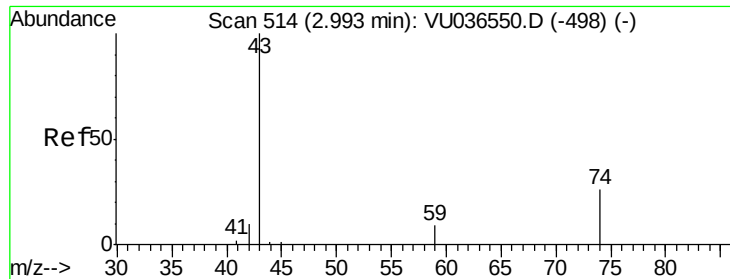


Abundance Ion 76.05 (75.75 to 76.75): VU036552.D (-367) (-)



Ion 78.00 (77.70 to 78.70): VU036552.D (-367) (-)





#15

Methyl Acetate

Concen: 21.106 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

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ClientSampleId :

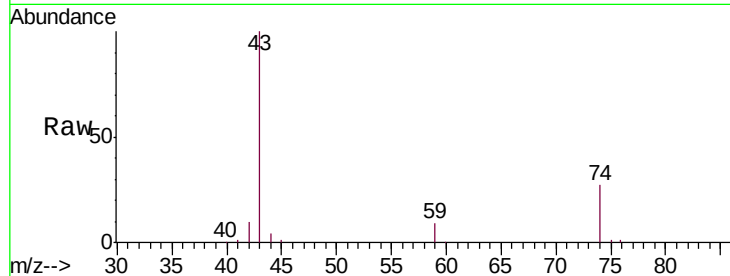
VSTD020605

Tgt Ion: 43 Resp: 64768

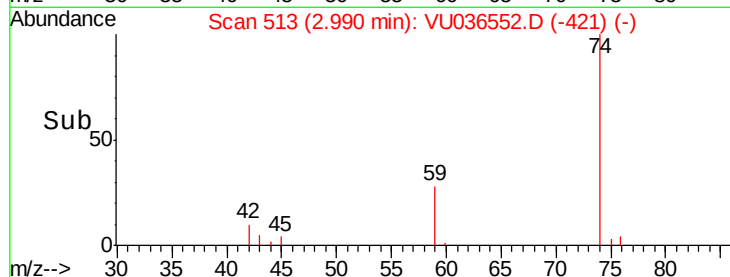
Ion Ratio Lower Upper

43 100

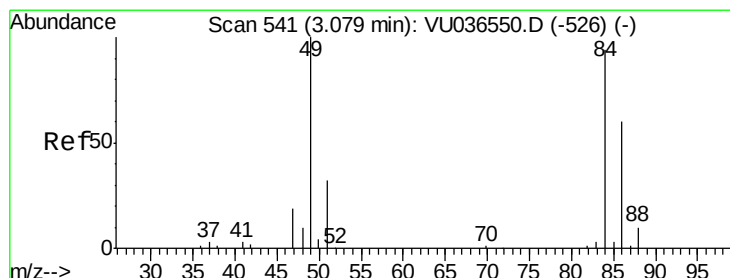
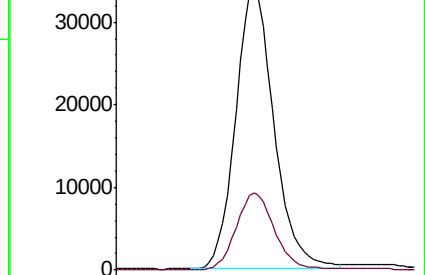
74 27.9 22.7 34.1



Abundance Ion 43.05 (42.75 to 43.75): VU036552.D (-421) (-)



Ion 74.05 (73.75 to 74.75): VU036552.D (-421) (-)



#16

Methylene chloride

Concen: 19.446 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

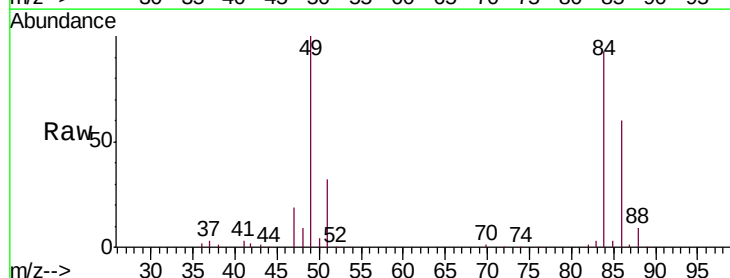
Tgt Ion: 84 Resp: 191189

Ion Ratio Lower Upper

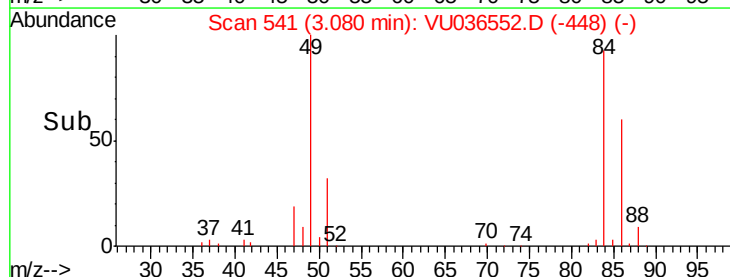
84 100

86 64.3 44.8 83.2

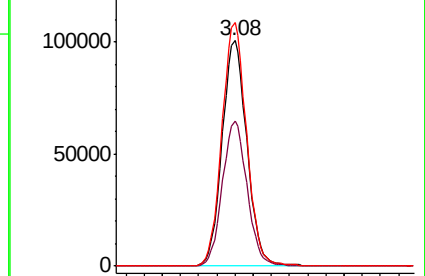
49 108.1 74.8 139.0

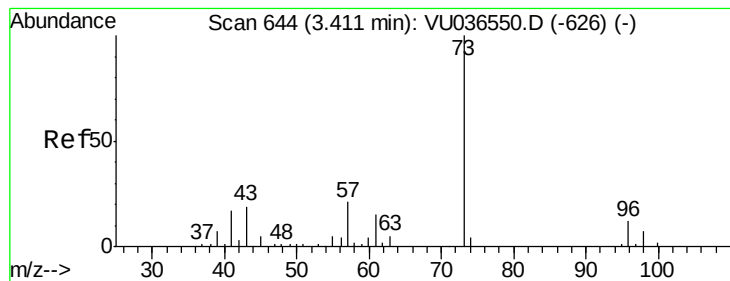


Abundance Ion 84.05 (83.75 to 84.75): VU036552.D (-448) (-)



Ion 86.00 (85.70 to 86.70): VU036552.D (-448) (-)





#17

Methyl tert-butyl Ether

Concen: 19.976 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

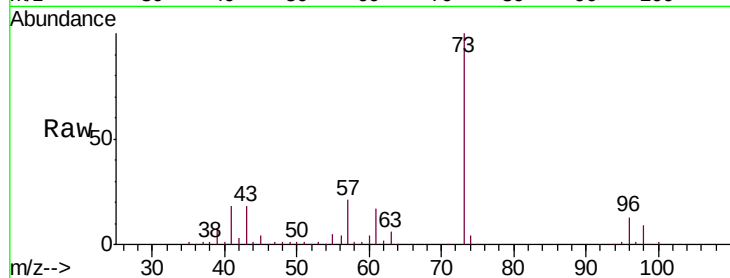
Tgt Ion: 73 Resp: 440080

Ion Ratio Lower Upper

73 100

43 18.3 14.6 21.8

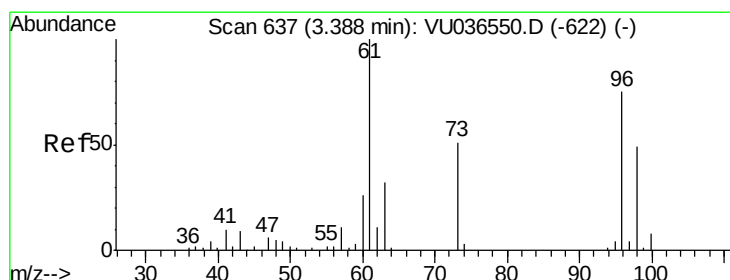
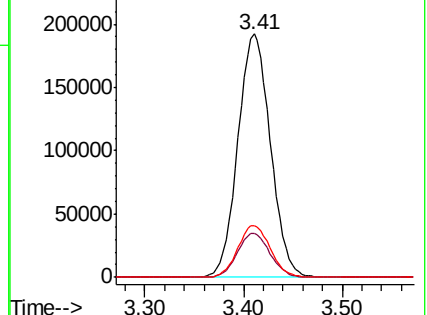
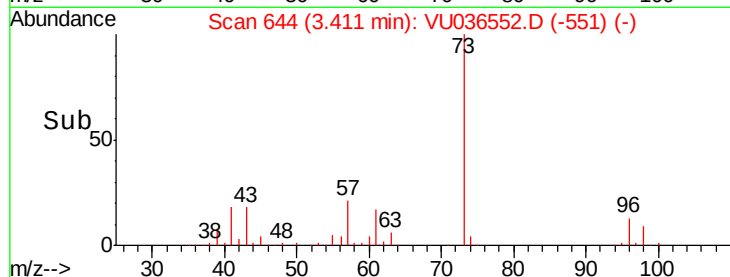
57 21.3 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VU036552.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036552.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036552.D (-551) (-)



#18

trans-1,2-Dichloroethene

Concen: 20.241 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

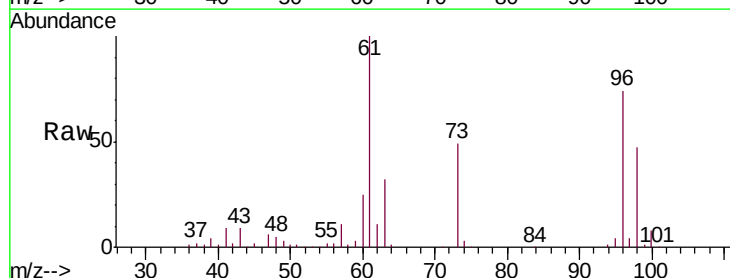
Tgt Ion: 96 Resp: 188611

Ion Ratio Lower Upper

96 100

61 134.9 93.1 172.9

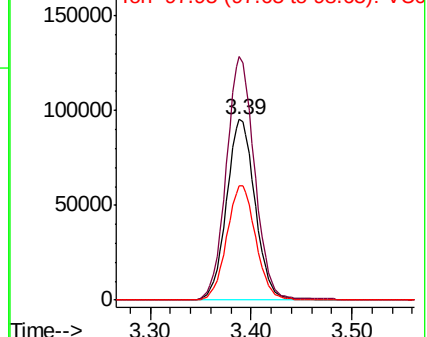
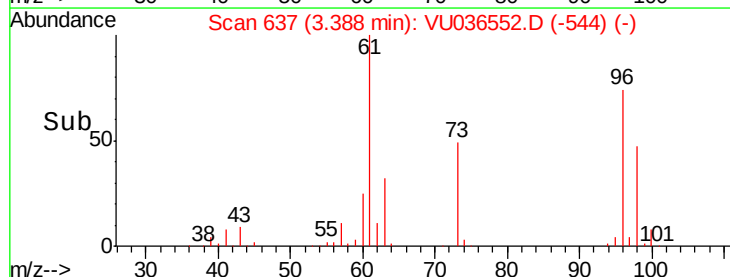
98 63.1 45.5 84.5

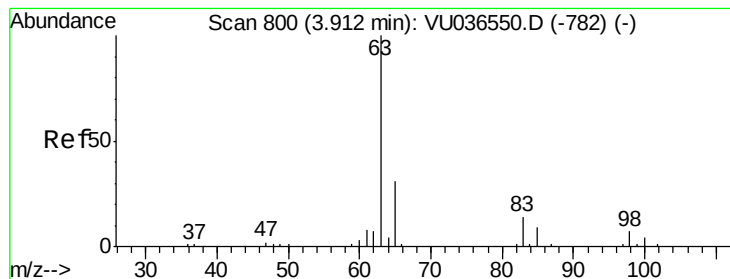


Abundance Ion 96.00 (95.70 to 96.70): VU036552.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU036552.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU036552.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 19.936 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

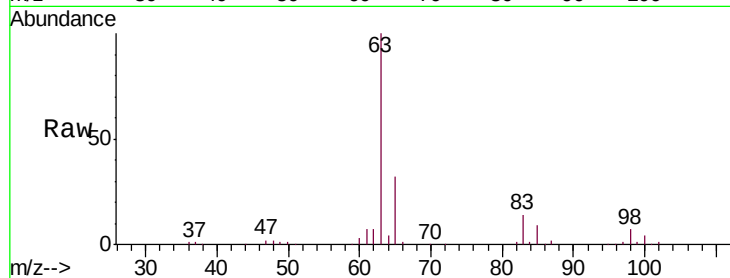
Tgt Ion: 63 Resp: 324243

Ion Ratio Lower Upper

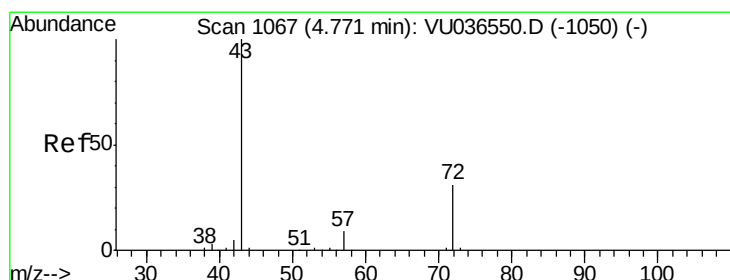
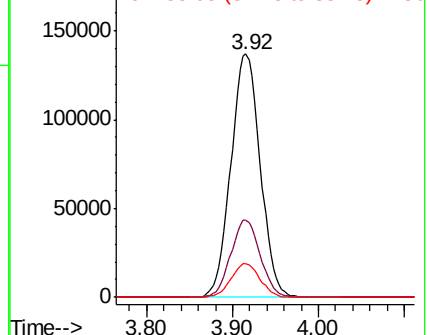
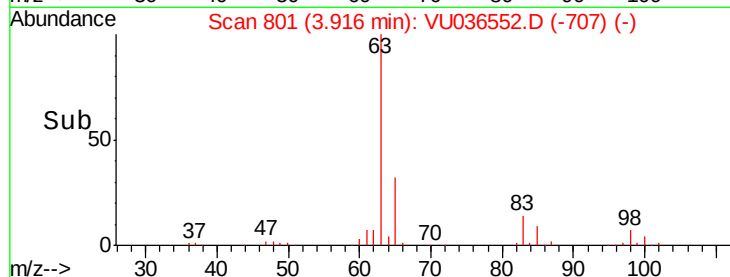
63 100

65 31.8 21.8 40.6

83 13.9 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036552.D (-707) (-)



#21

2-Butanone

Concen: 204.081 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VU036552.D

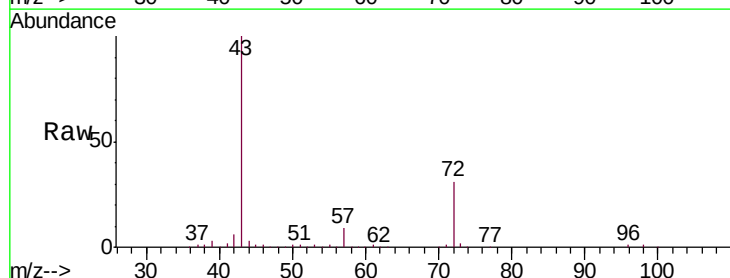
Acq: 24 Jan 2020 13:23

Tgt Ion: 43 Resp: 429046

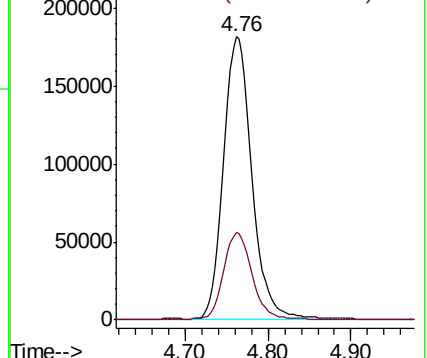
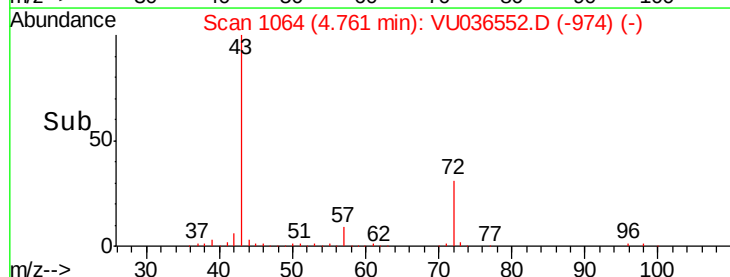
Ion Ratio Lower Upper

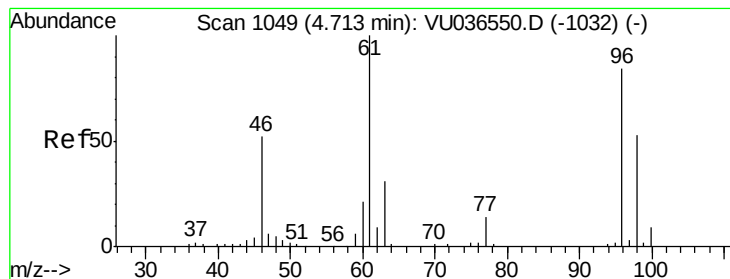
43 100

72 31.7 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036552.D (-974) (-)





#22

cis-1,2-Dichloroethene

Concen: 20.284 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

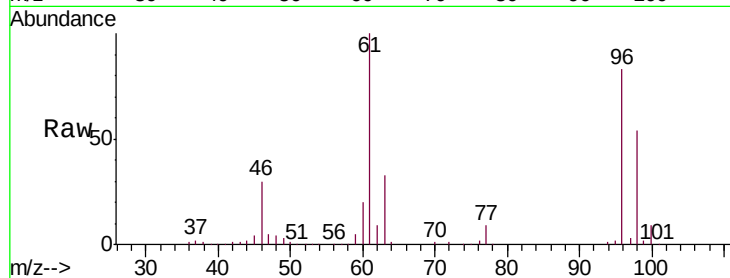
Tgt Ion: 96 Resp: 209570

Ion Ratio Lower Upper

96 100

61 121.0 83.0 154.1

98 65.9 43.8 81.3

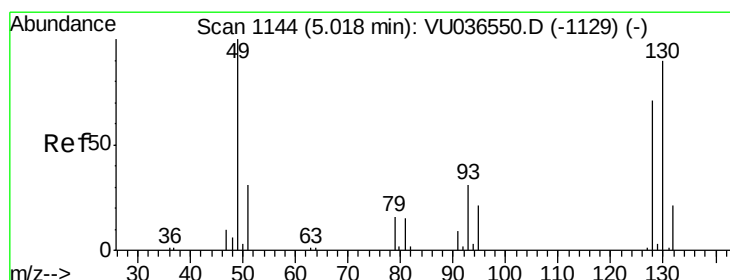
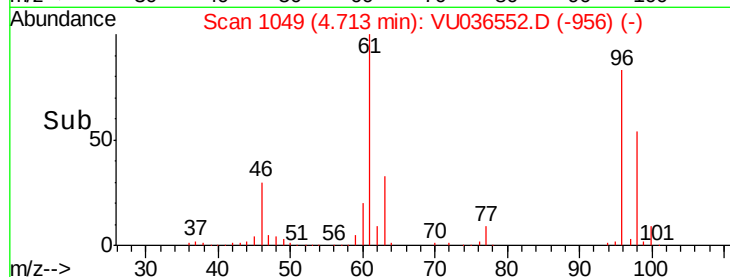
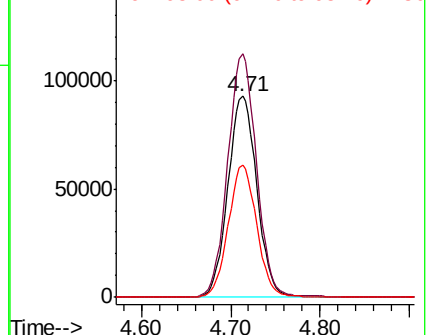


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 20.565 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Tgt Ion:128 Resp: 92270

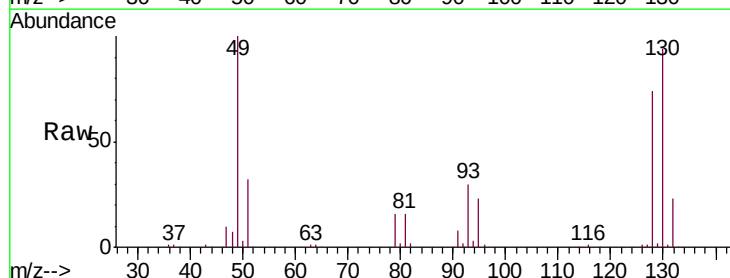
Ion Ratio Lower Upper

128 100

49 135.3 98.6 183.2

130 126.9 89.1 165.5

51 43.4 35.4 53.2



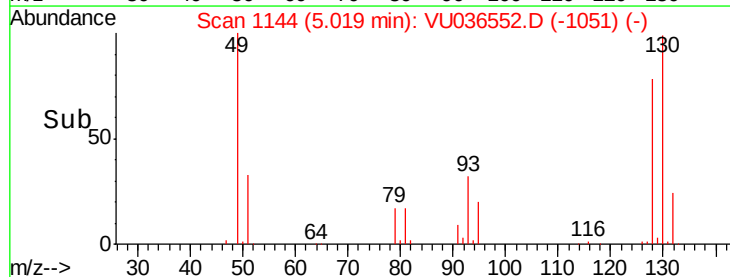
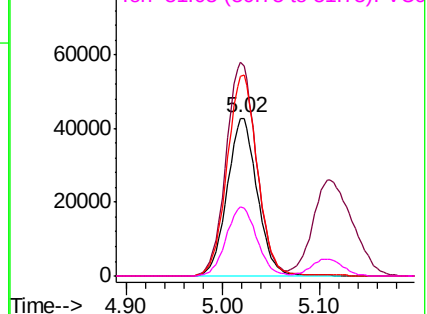
Abundance

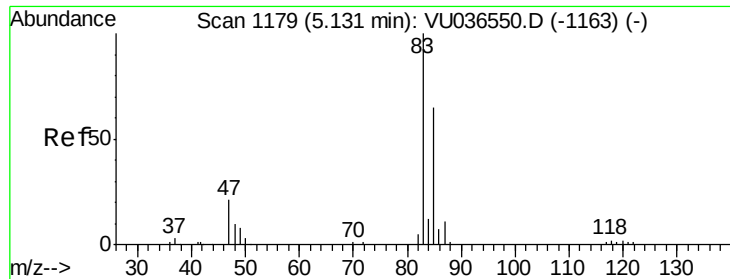
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

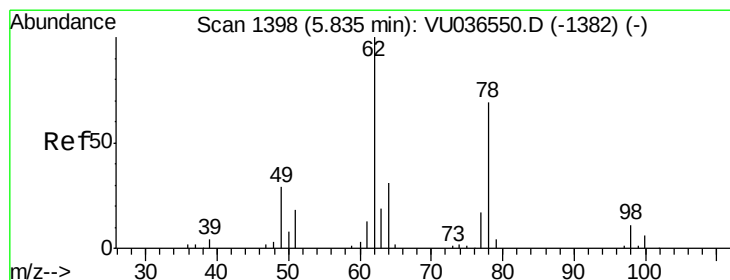
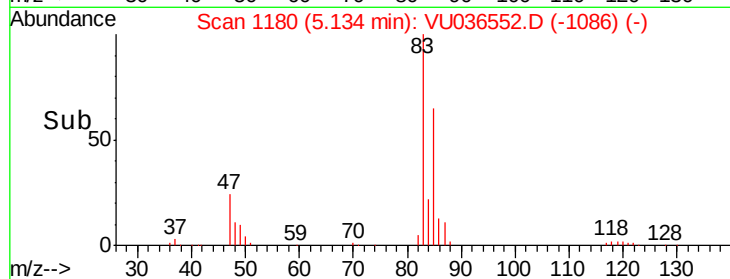
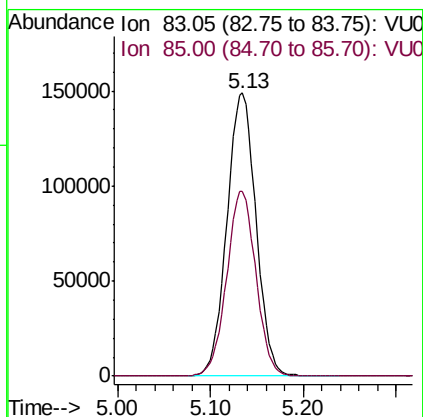
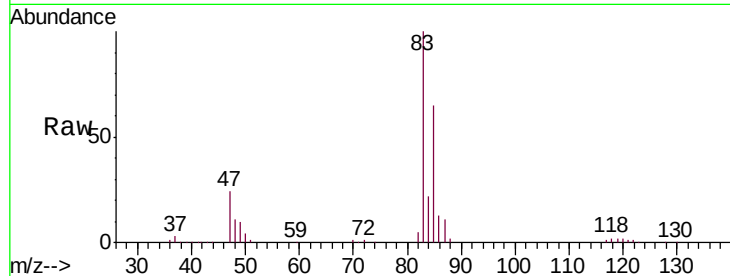




#25
Chloroform
Concen: 20.136 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

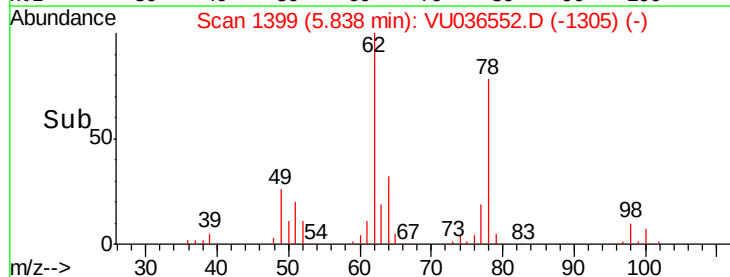
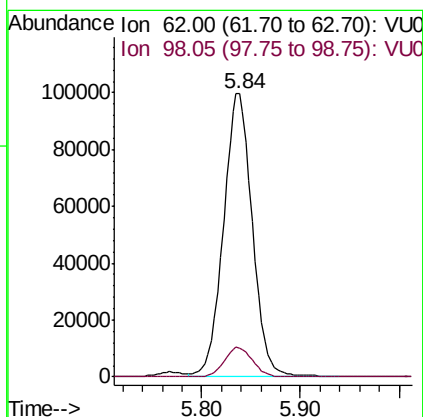
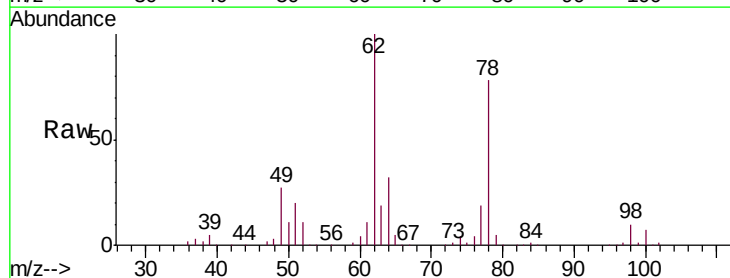
Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

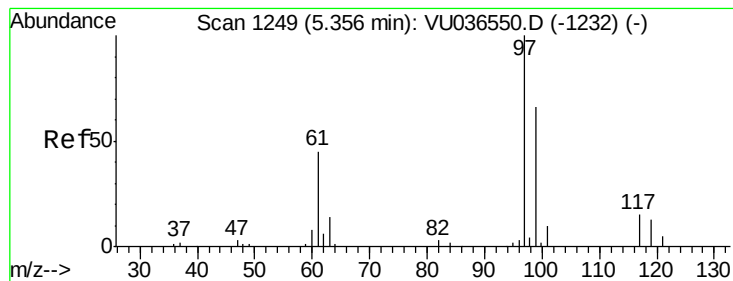
Tgt Ion: 83 Resp: 324249
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 20.043 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Tgt Ion: 62 Resp: 202797
Ion Ratio Lower Upper
62 100
98 10.3 8.5 12.7





#29

1,1,1-Trichloroethane

Concen: 20.492 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

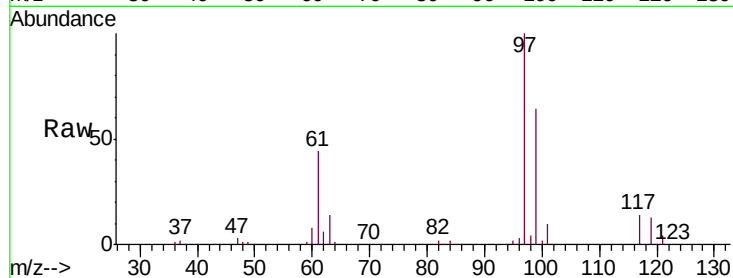
Tgt Ion: 97 Resp: 272640

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

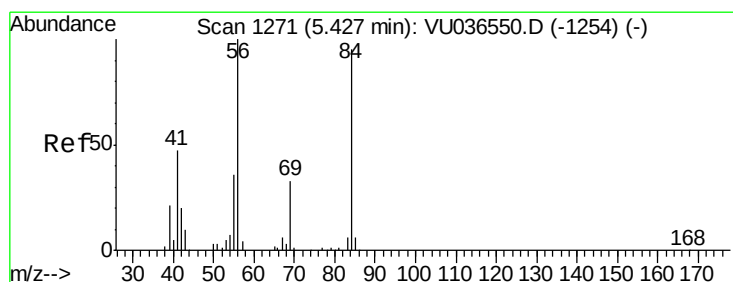
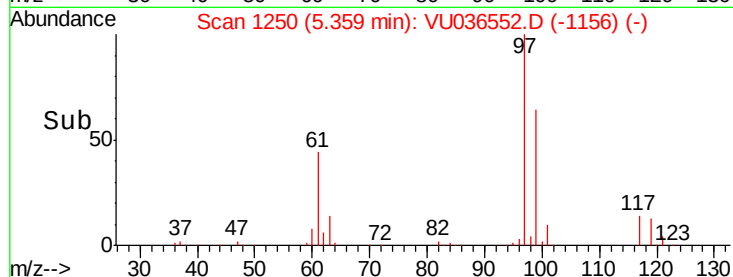
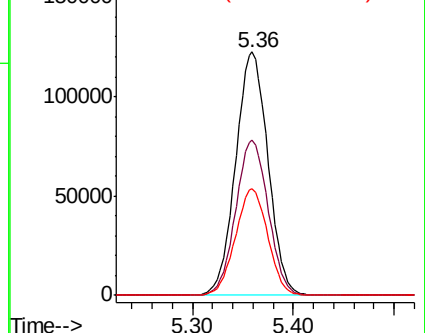
61 43.8 35.6 53.4



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 20.169 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

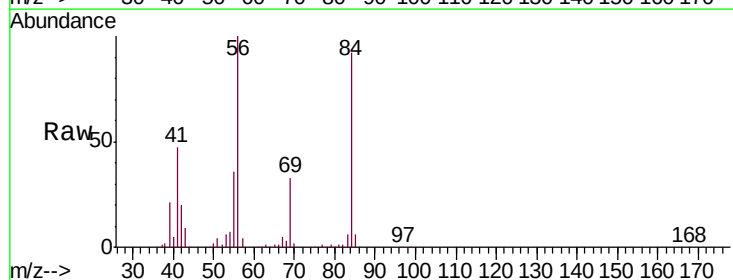
Tgt Ion: 56 Resp: 307946

Ion Ratio Lower Upper

56 100

69 33.1 25.7 38.5

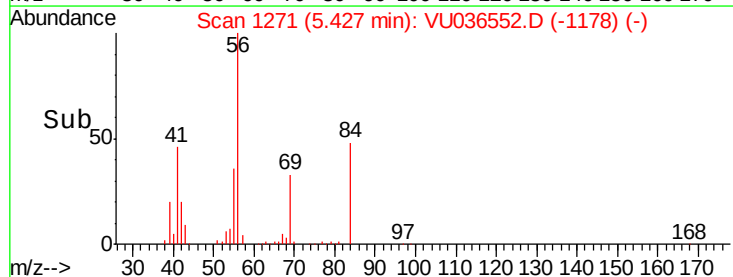
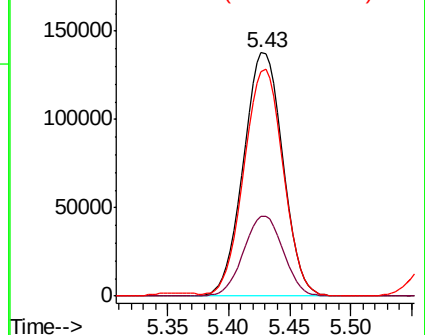
84 93.4 75.3 112.9

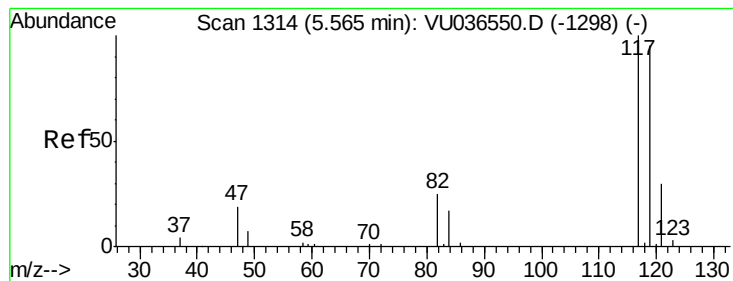


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 20.469 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

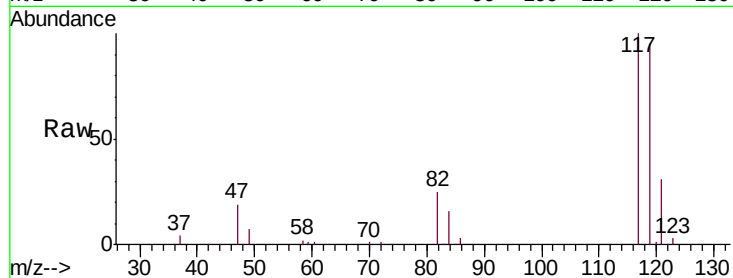
VSTD020605

Tgt Ion:117 Resp: 236504

Ion Ratio Lower Upper

117 100

119 96.0 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

120000

100000

80000

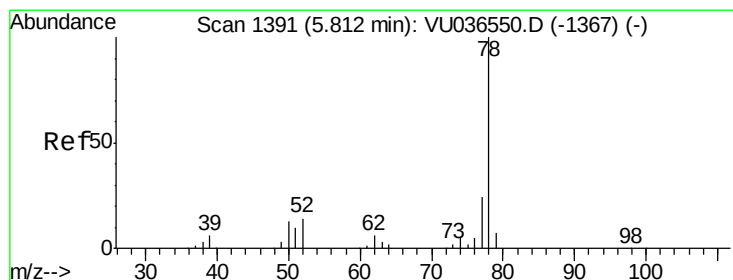
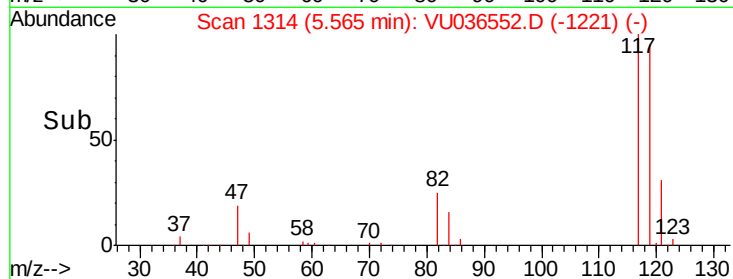
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 20.189 ug/L

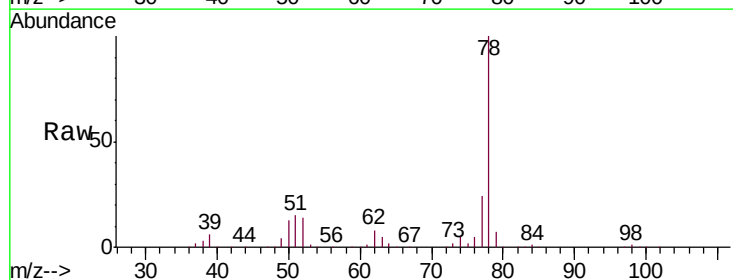
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Tgt Ion: 78 Resp: 760817



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

400000

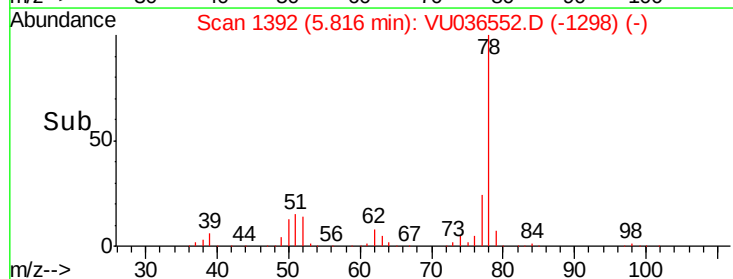
300000

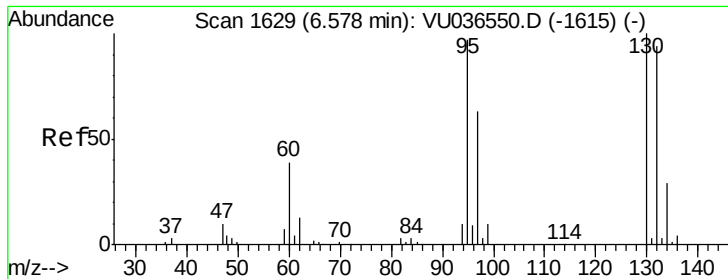
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 20.123 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

Tgt Ion: 95 Resp: 202555

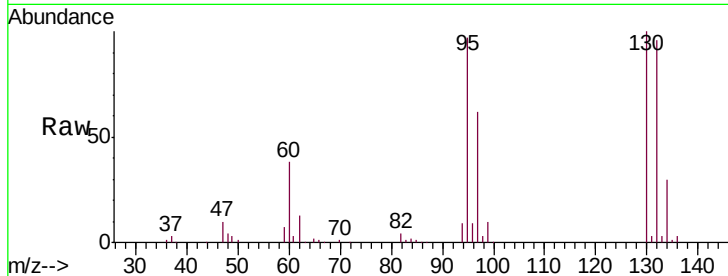
Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.8

132 99.4 67.7 125.7

130 103.5 72.2 134.2

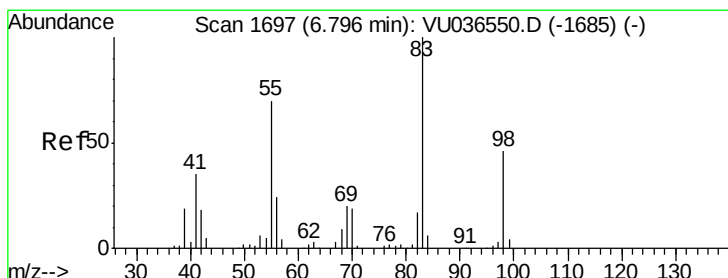
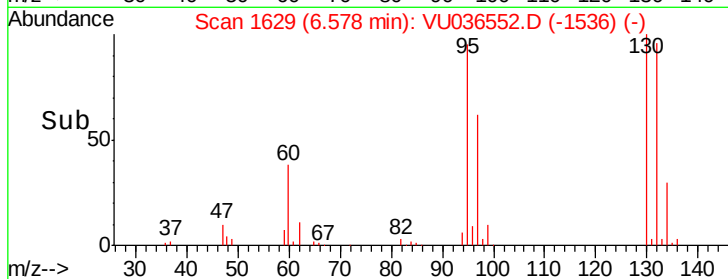
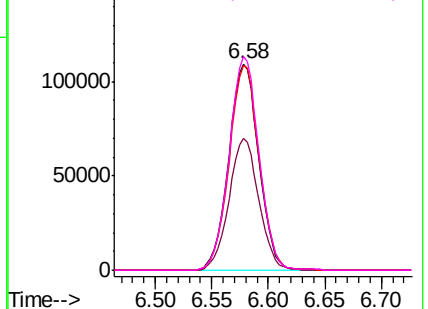


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.622 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

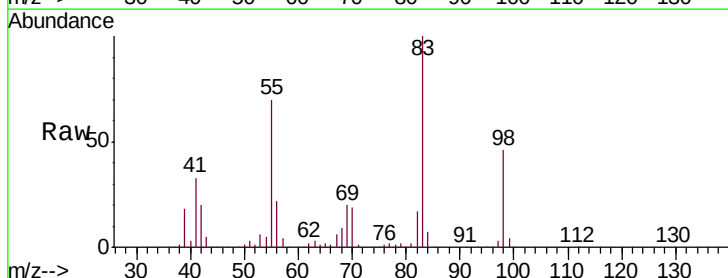
Tgt Ion: 83 Resp: 355002

Ion Ratio Lower Upper

83 100

55 69.0 56.9 85.3

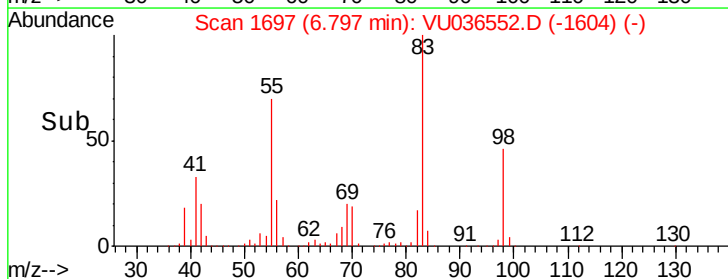
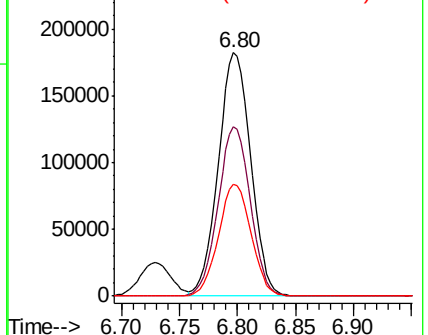
98 46.4 36.9 55.3

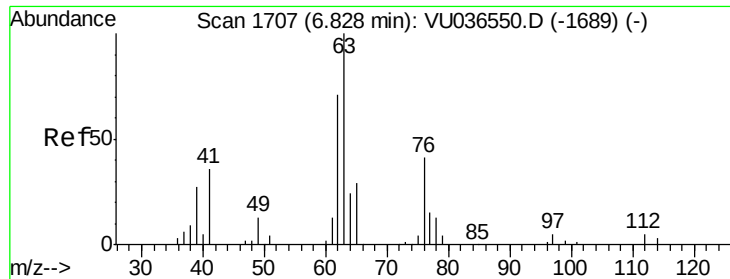


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

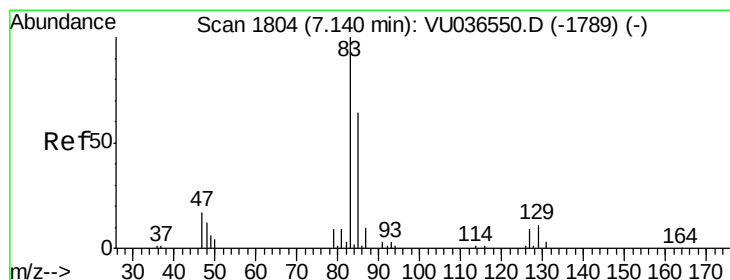
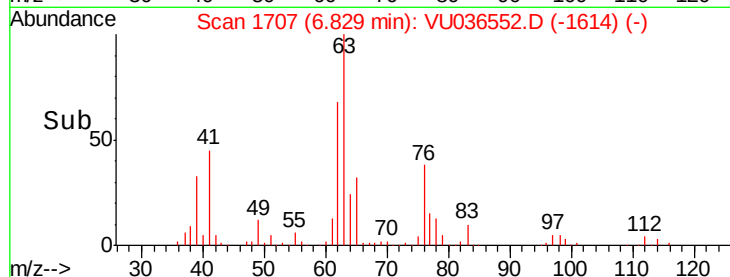
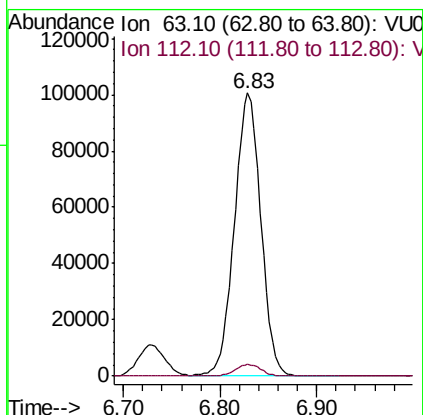
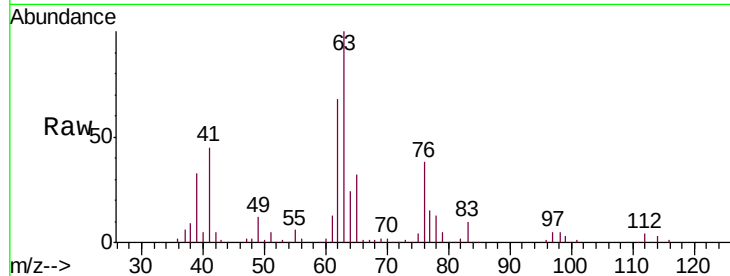




#37
 1,2-Dichloropropane
 Concen: 19.694 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

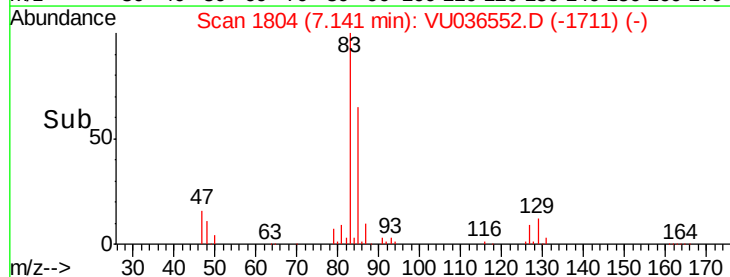
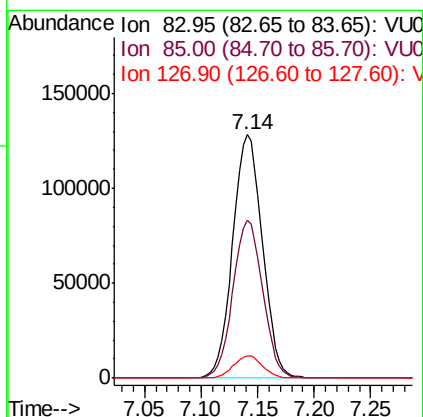
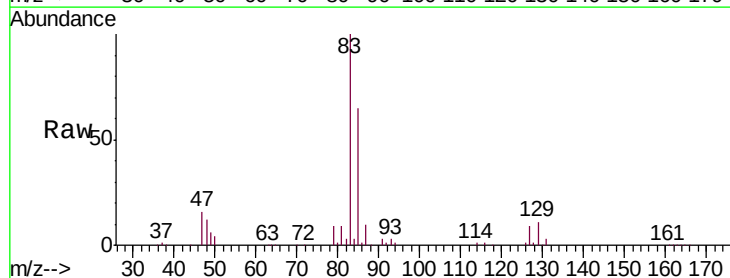
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

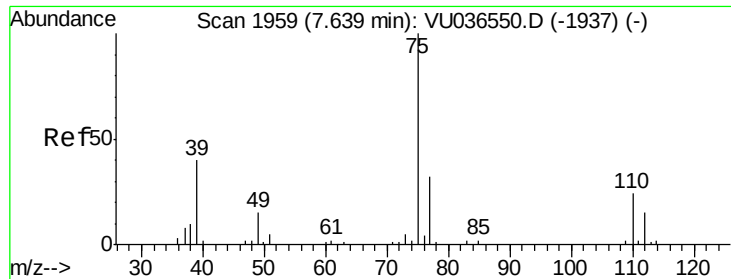
Tgt Ion: 63 Resp: 190421
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 20.126 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion: 83 Resp: 235429
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 82.9
 127 8.9 7.2 10.8

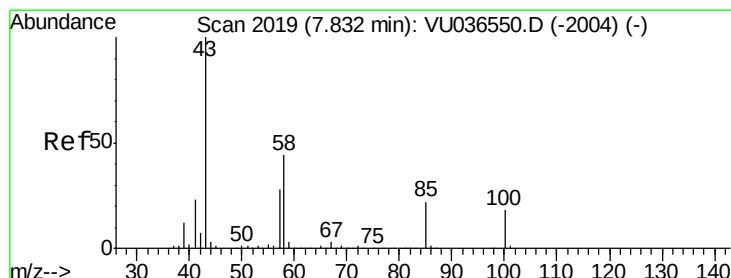
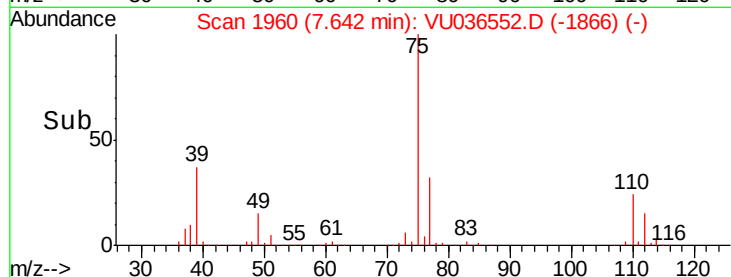
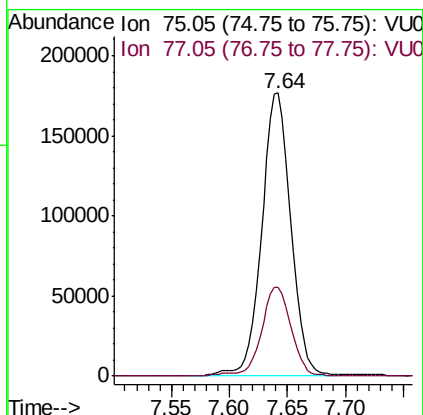
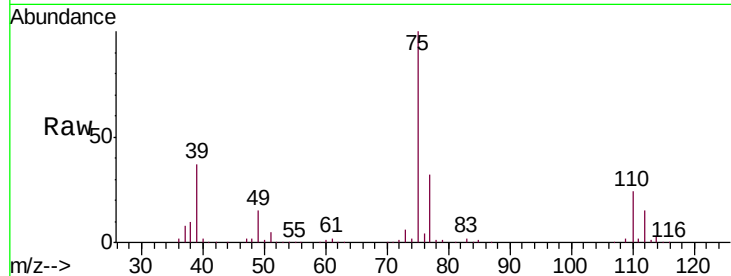




#39
 cis-1,3-Dichloropropene
 Concen: 21.165 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

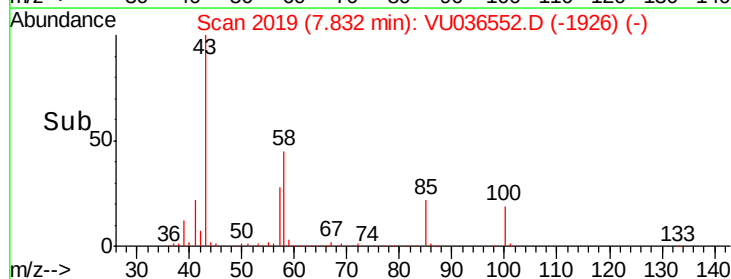
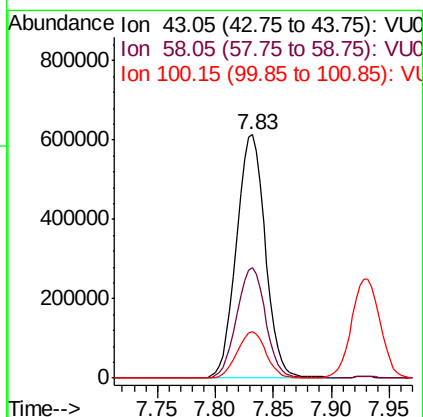
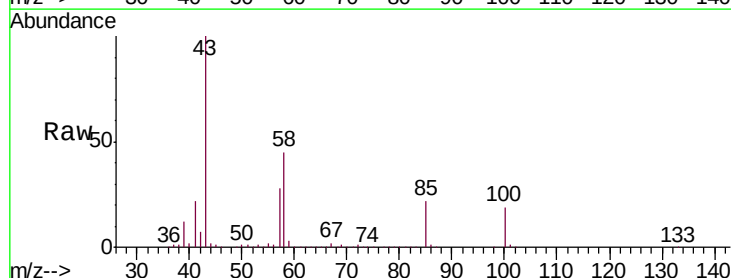
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

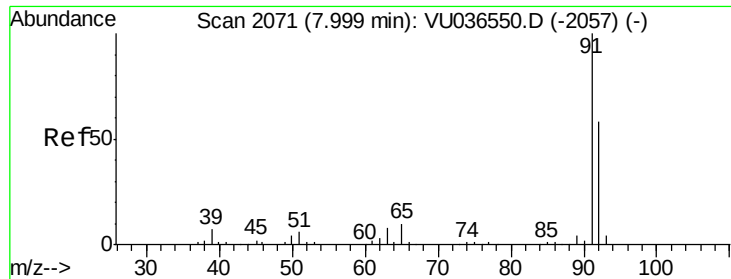
Tgt Ion: 75 Resp: 309074
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 200.712 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion: 43 Resp: 1062310
 Ion Ratio Lower Upper
 43 100
 58 45.5 35.6 53.4
 100 19.0 14.9 22.3





#42

Toluene

Concen: 20.105 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampled :

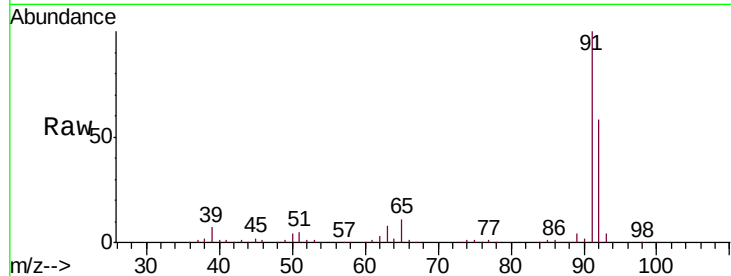
VSTD020605

Tgt Ion: 91 Resp: 840140

Ion Ratio Lower Upper

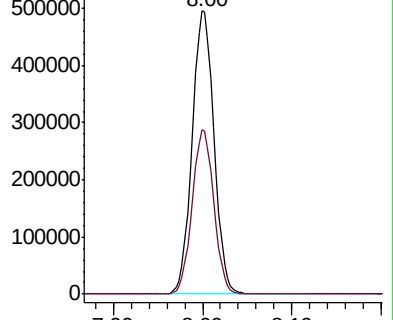
91 100

92 58.2 40.6 75.4

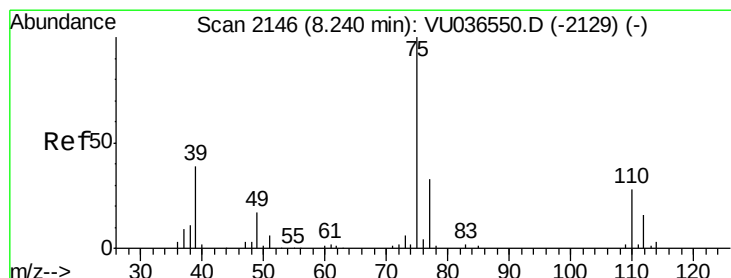
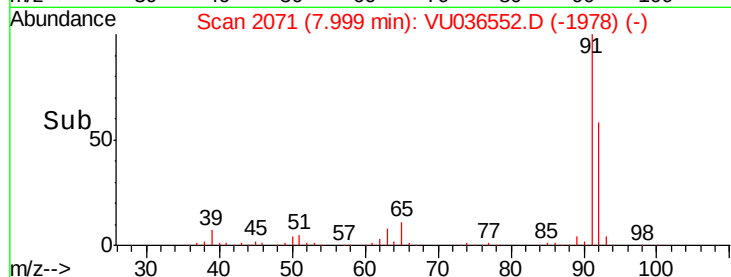


Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036550.D (-2057) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.108 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036552.D

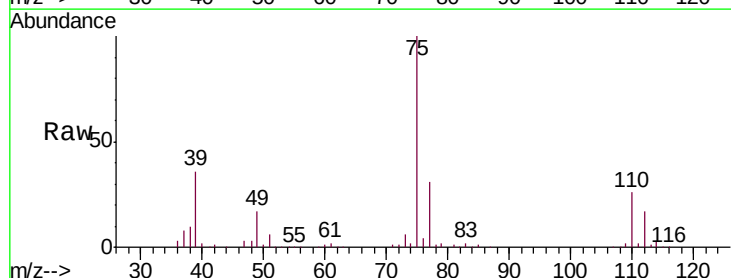
Acq: 24 Jan 2020 13:23

Tgt Ion: 75 Resp: 239512

Ion Ratio Lower Upper

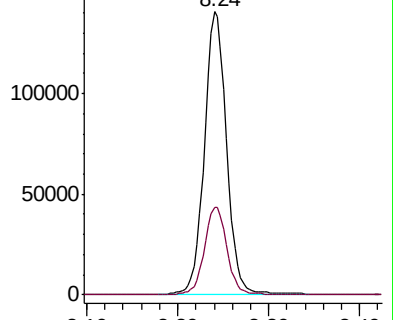
75 100

77 31.1 22.8 42.4

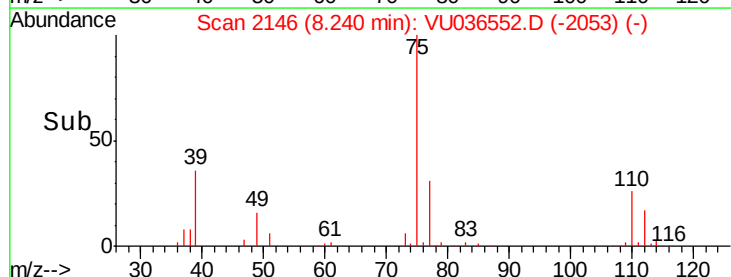


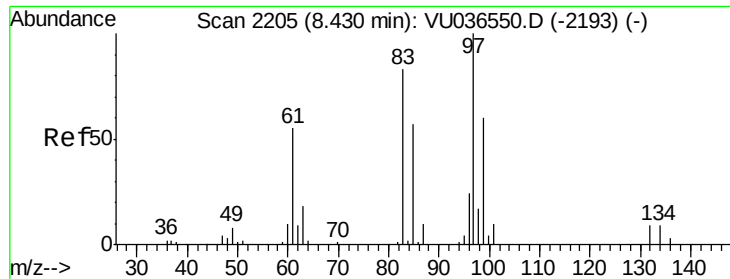
Abundance Ion 75.05 (74.75 to 75.75): VU036550.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036550.D (-2129) (-)



Time-->

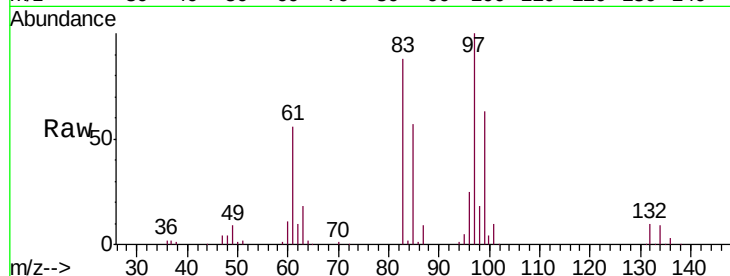




#45
 1,1,2-Trichloroethane
 Concen: 19.284 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

Tgt Ion:	97	Resp:	138045
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.1	78.3
83	87.6	58.4	108.6
85	56.7	39.6	73.6



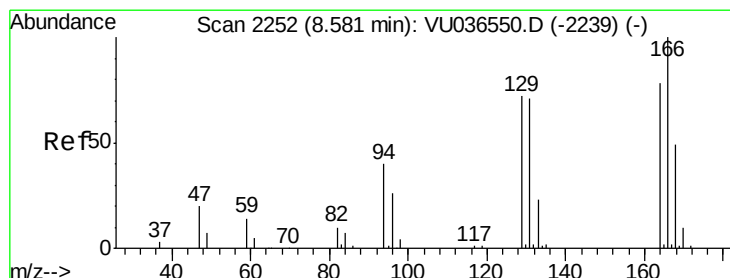
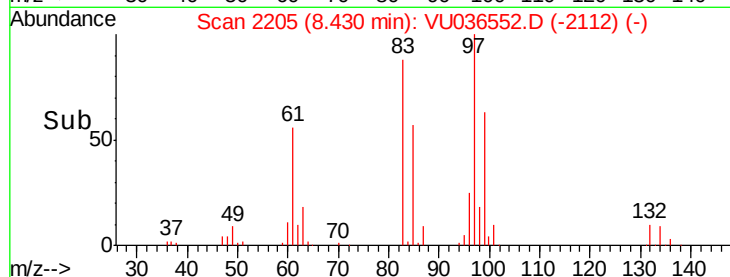
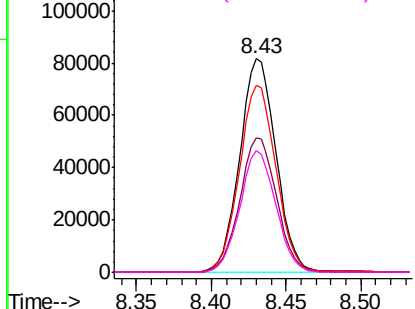
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

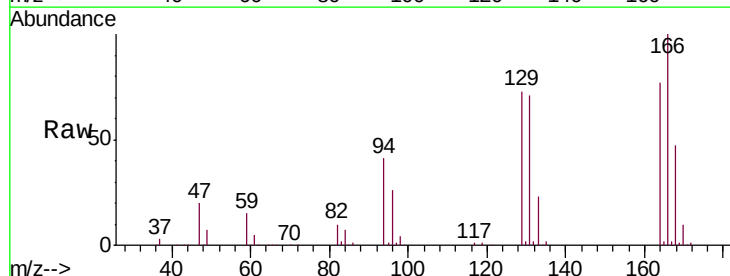
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 20.290 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion:	164	Resp:	164776
Ion	Ratio	Lower	Upper
164	100		
129	94.6	64.7	120.1
131	91.9	64.0	118.8
166	129.3	89.5	166.3



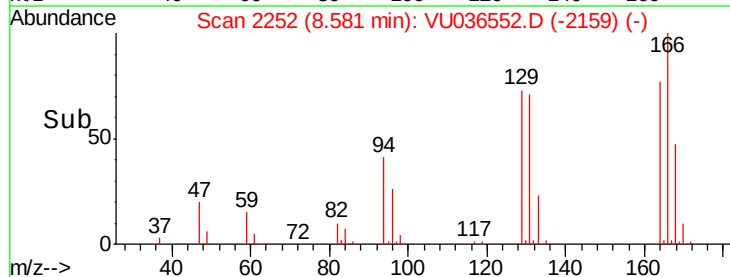
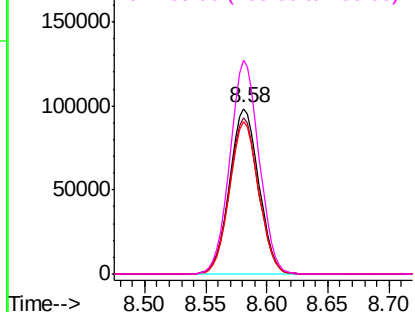
Abundance

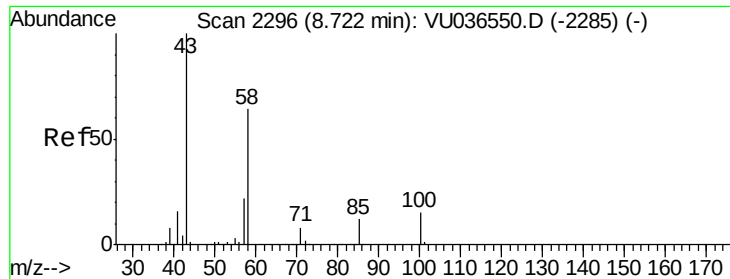
Ion 163.90 (163.60 to 164.60): V

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

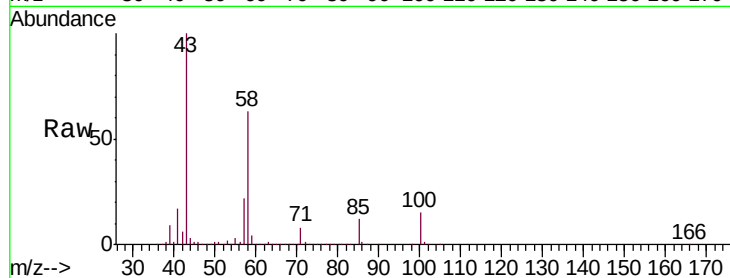




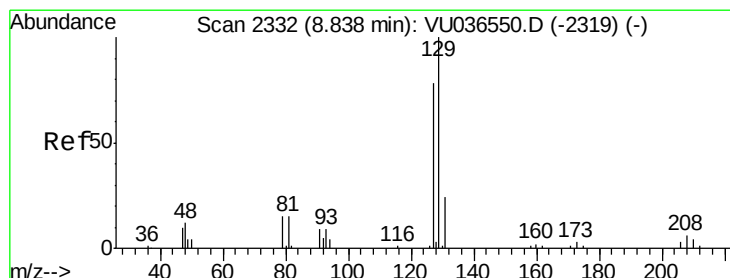
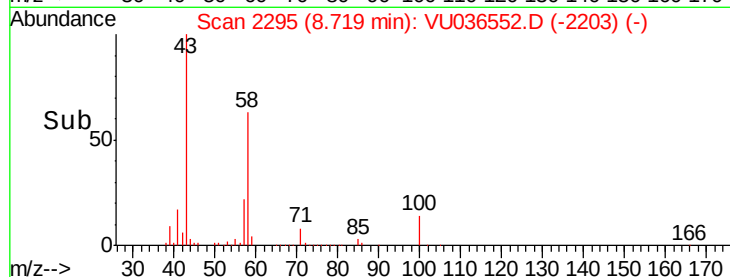
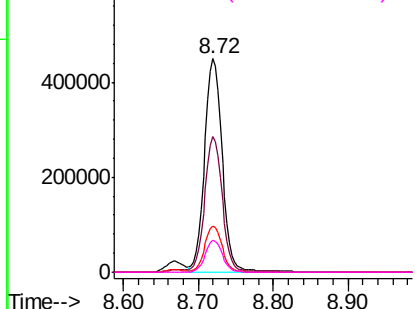
#48
2-Hexanone
Concen: 198.916 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

Tgt Ion: 43 Resp: 743485
Ion Ratio Lower Upper
43 100
58 63.1 50.2 75.2
57 21.8 17.5 26.3
100 14.6 11.5 17.3

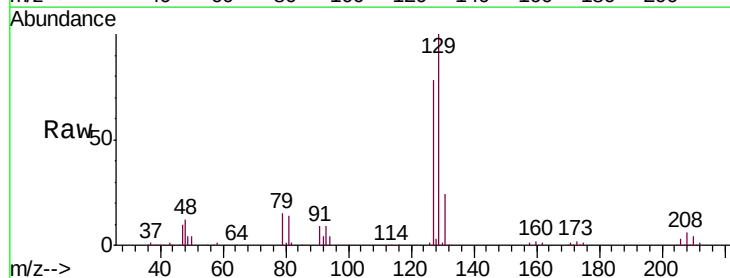


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

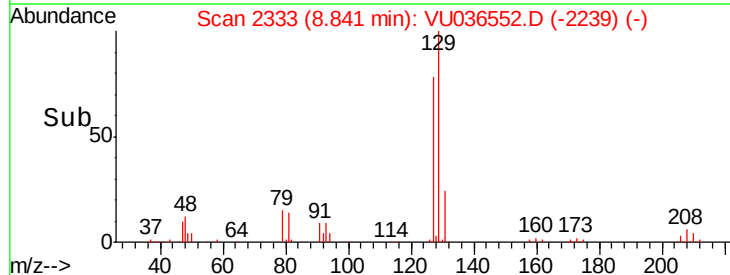
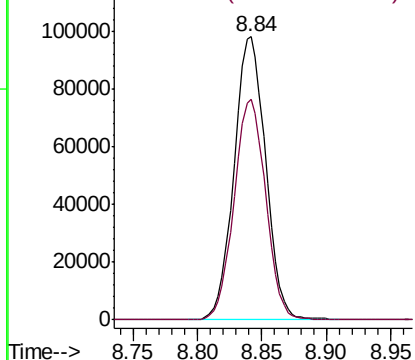


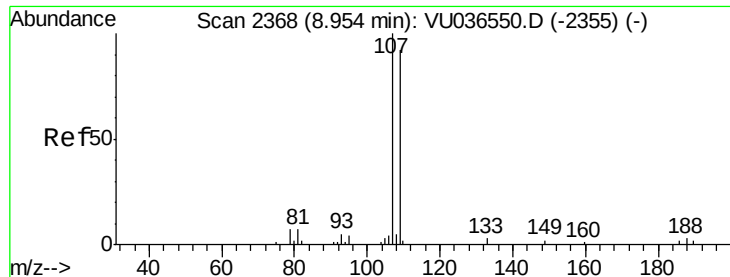
#49
Dibromochloromethane
Concen: 20.637 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Tgt Ion: 129 Resp: 167208
Ion Ratio Lower Upper
129 100
127 77.8 54.5 101.3



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

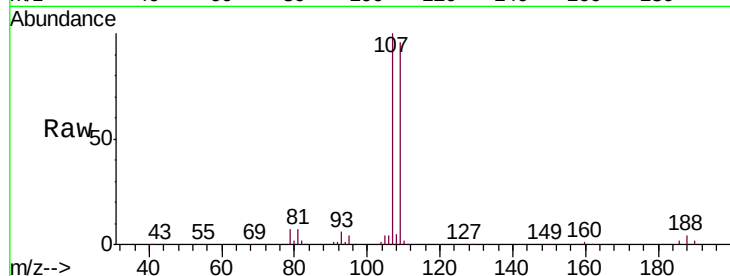




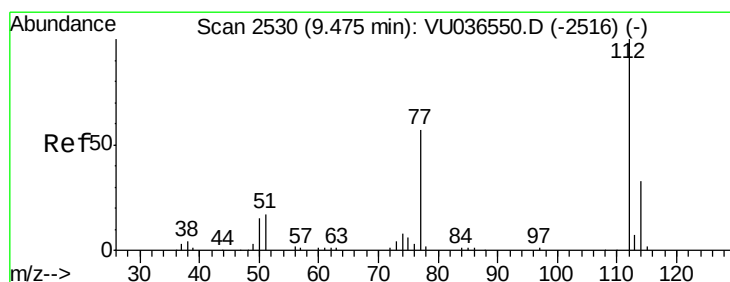
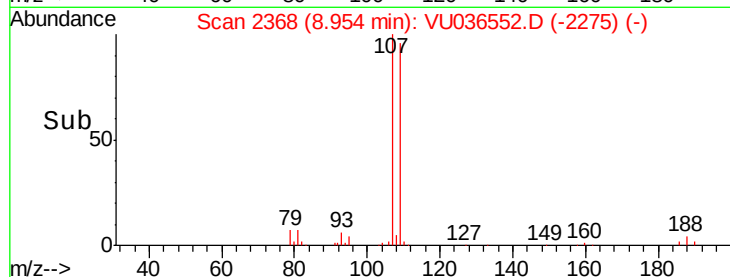
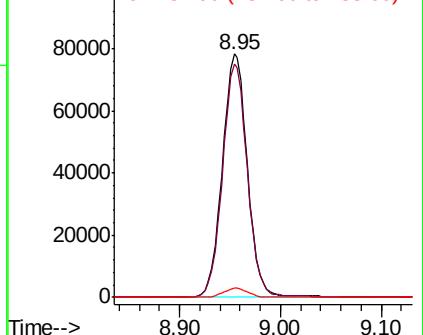
#50
1,2-Dibromoethane
Concen: 20.076 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

Tgt Ion:107 Resp: 135828
Ion Ratio Lower Upper
107 100
109 95.9 64.5 119.9
188 3.9 2.8 4.2

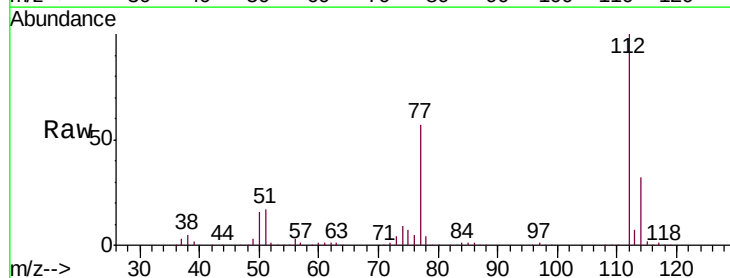


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

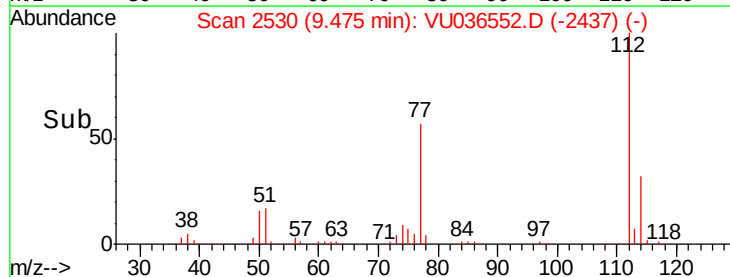
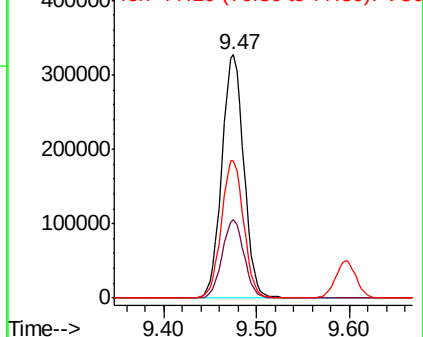


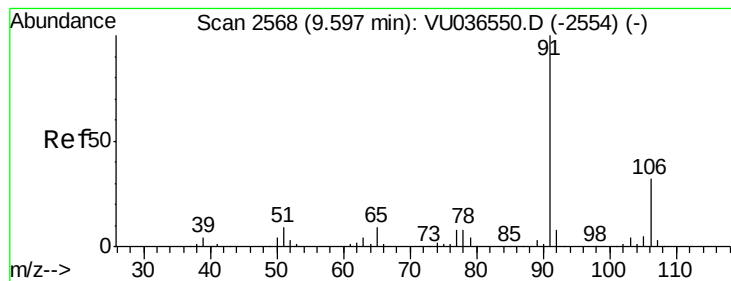
#51
Chlorobenzene
Concen: 20.074 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Tgt Ion:112 Resp: 538829
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 56.6 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 20.225 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

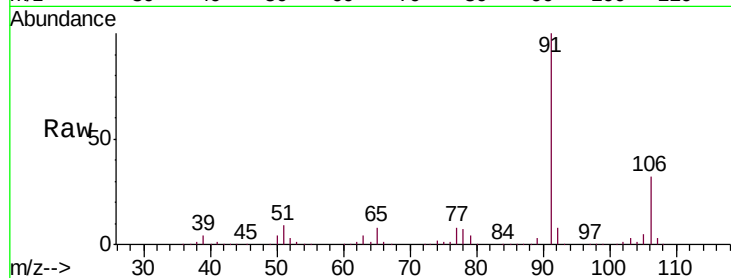
VSTD020605

Tgt Ion: 91 Resp: 924934

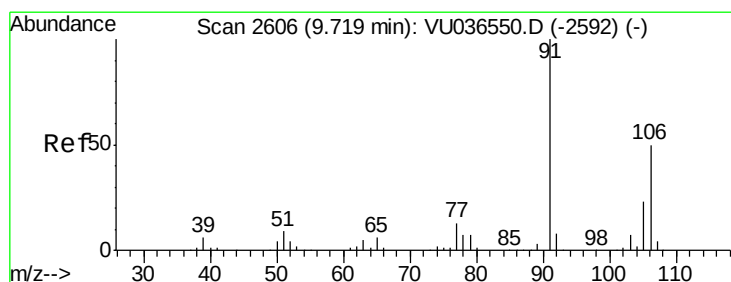
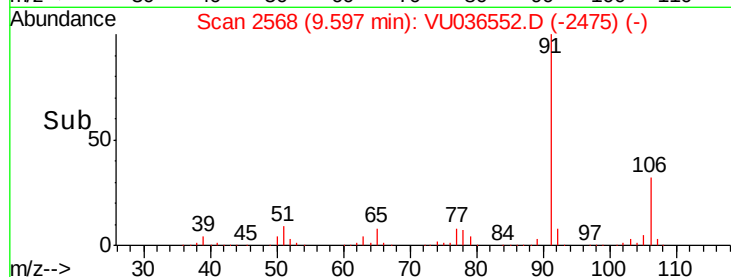
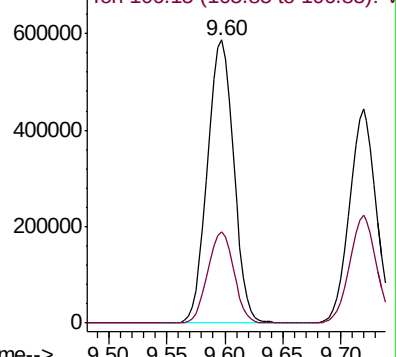
Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036552.D (-2554) (-)



#53

m,p-Xylene

Concen: 20.239 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036552.D

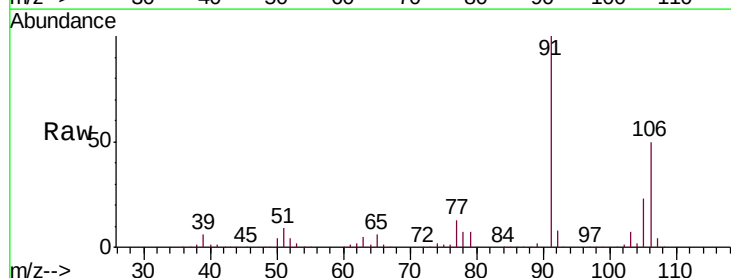
Acq: 24 Jan 2020 13:23

Tgt Ion: 106 Resp: 362432

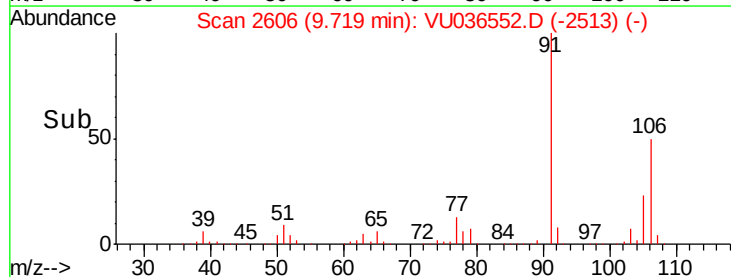
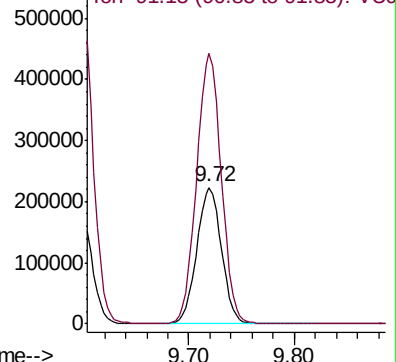
Ion Ratio Lower Upper

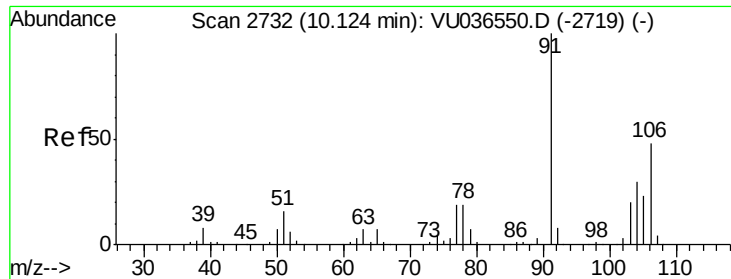
106 100

91 198.8 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036552.D (-2513) (-)

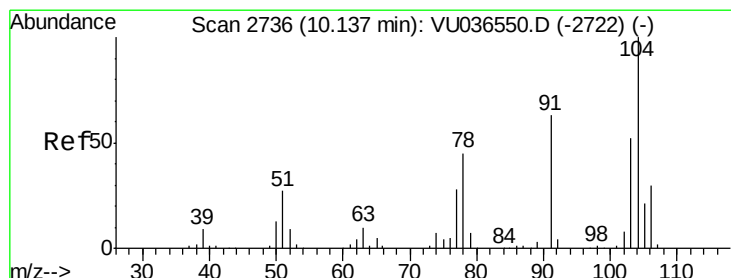
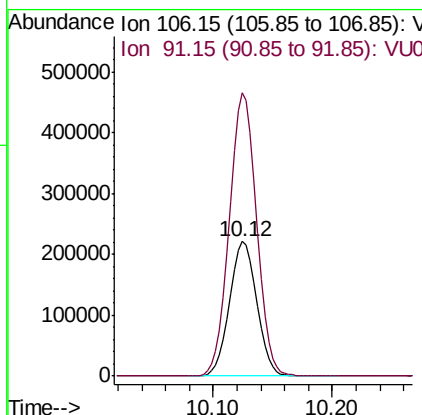
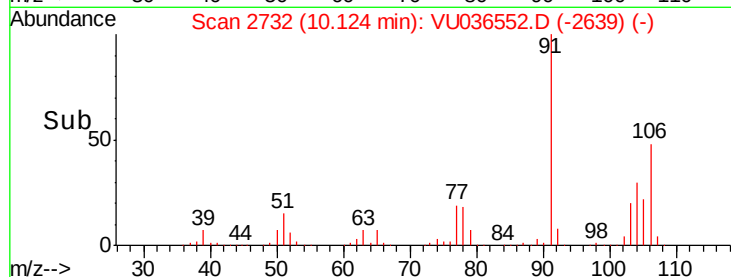
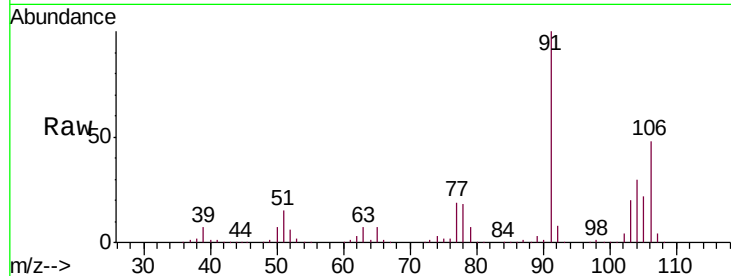




#54
o-Xylene
Concen: 20.380 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

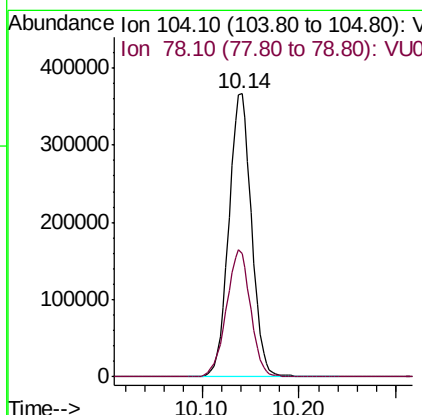
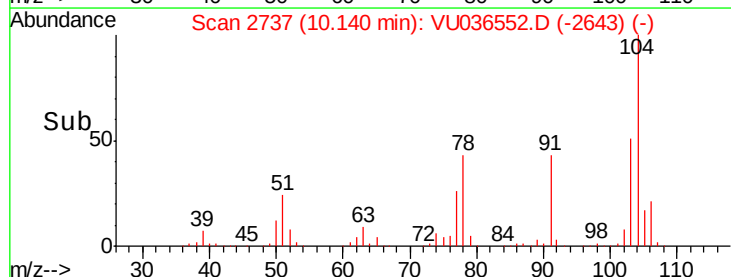
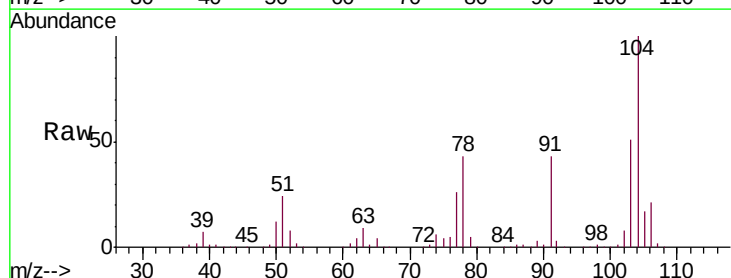
Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

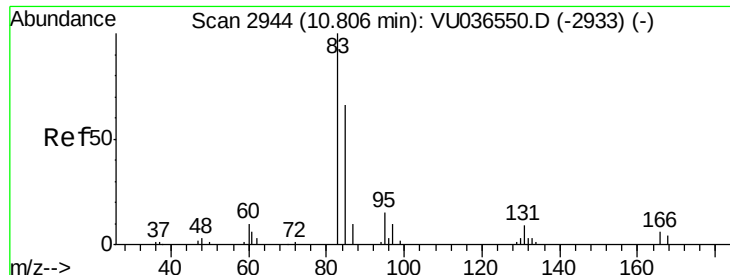
Tgt Ion:106 Resp: 352987
Ion Ratio Lower Upper
106 100
91 210.3 146.2 271.4



#55
Styrene
Concen: 20.627 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Tgt Ion:104 Resp: 595342
Ion Ratio Lower Upper
104 100
78 43.5 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 19.981 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

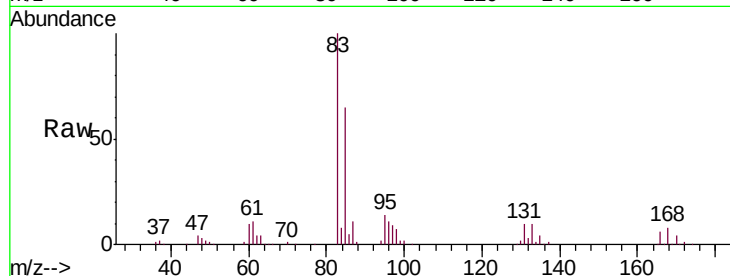
Tgt Ion: 83 Resp: 175156

Ion Ratio Lower Upper

83 100

85 65.2 47.0 87.4

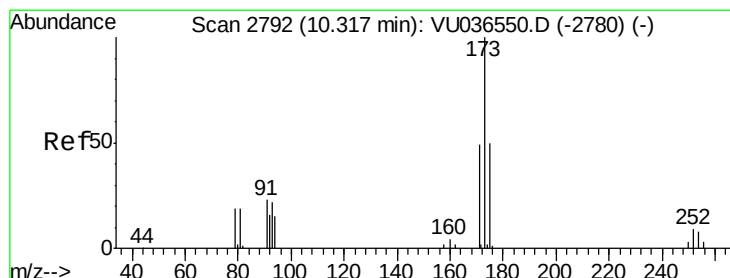
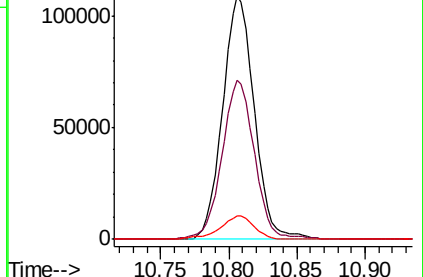
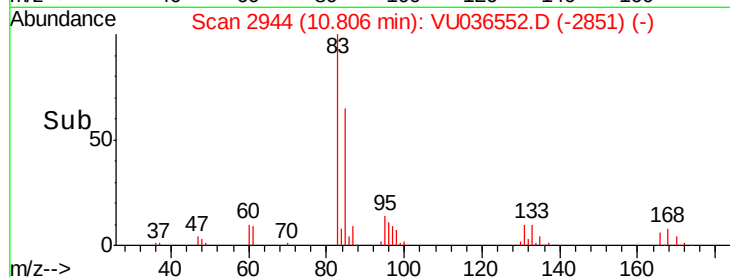
131 9.6 8.1 12.1



Abundance Ion 82.95 (82.65 to 83.65): VU036552.D (-2933) (-)

Ion 85.00 (84.70 to 85.70): VU036552.D (-2933) (-)

Ion 130.95 (130.65 to 131.65): VU036552.D (-2933) (-)



#59

Bromoform

Concen: 20.836 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

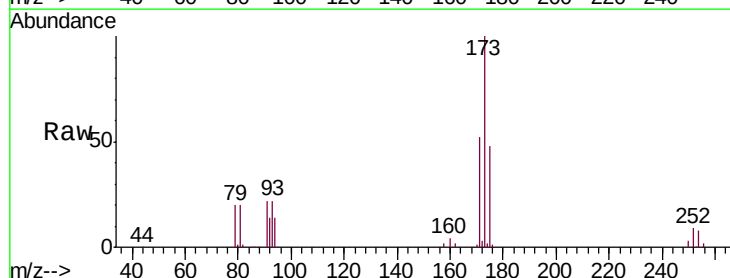
Tgt Ion: 173 Resp: 96418

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

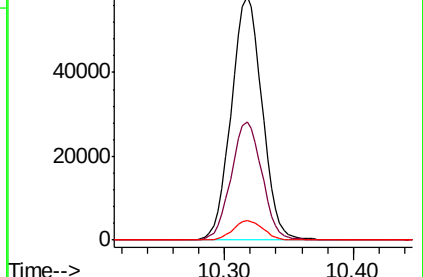
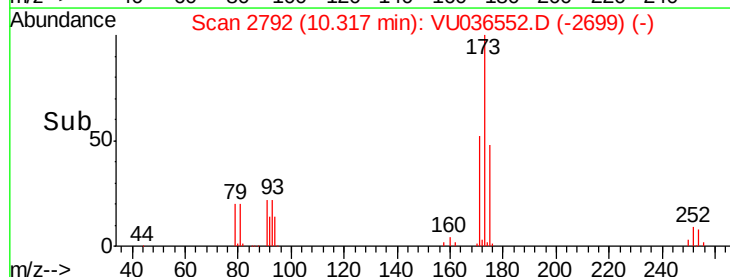
254 7.9 6.3 9.5

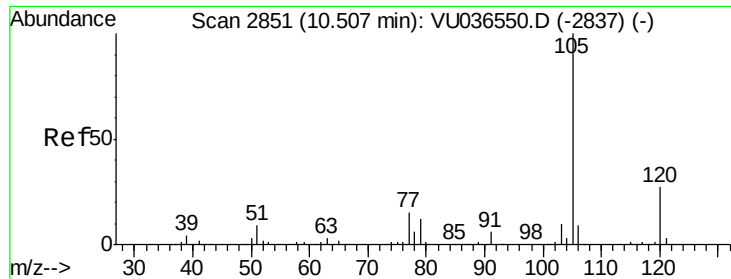


Abundance Ion 172.90 (172.60 to 173.60): VU036552.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036552.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036552.D (-2780) (-)





#60

Isopropylbenzene

Concen: 20.216 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD020605

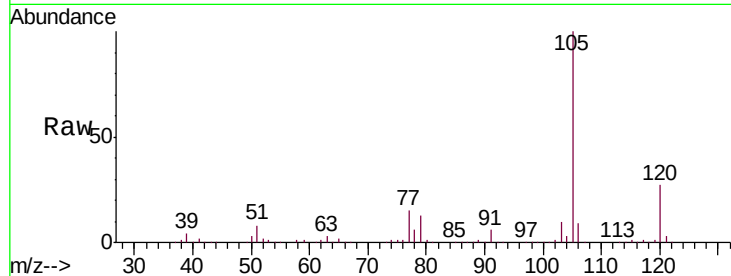
Tgt Ion: 105 Resp: 925491

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

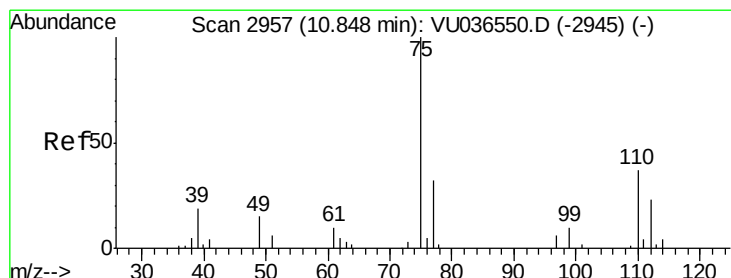
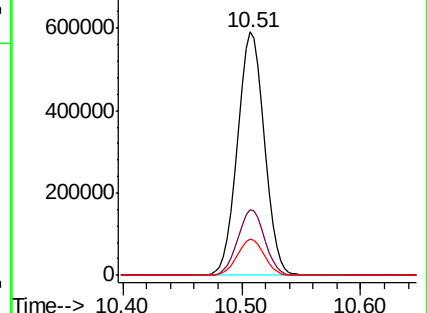
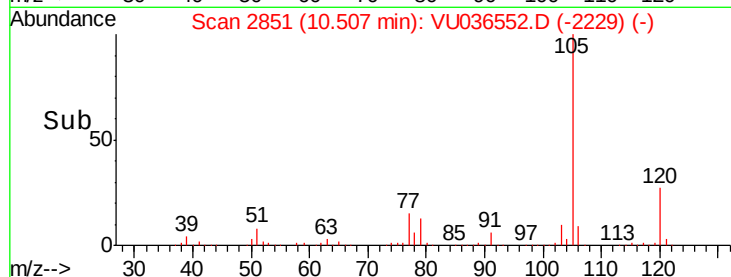
77 14.8 12.2 18.2



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: 19.787 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036552.D

Acq: 24 Jan 2020 13:23

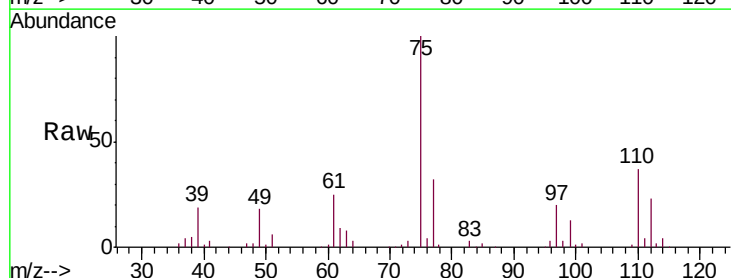
Tgt Ion: 75 Resp: 123768

Ion Ratio Lower Upper

75 100

110 36.4 29.0 43.4

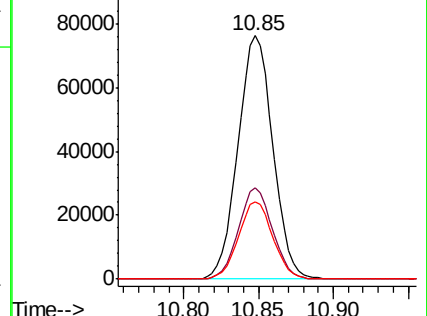
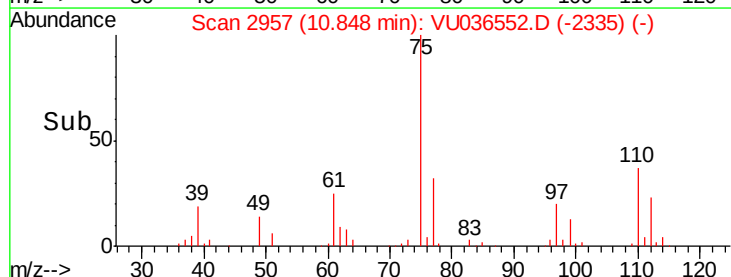
77 31.4 25.8 38.6

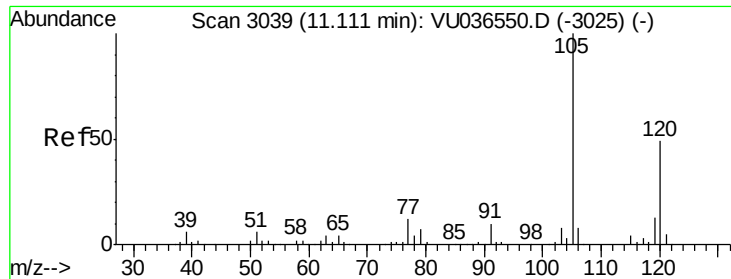


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

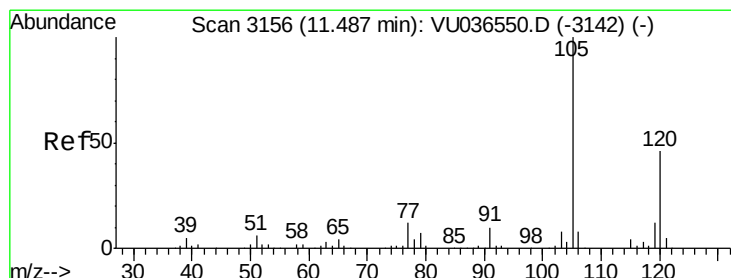
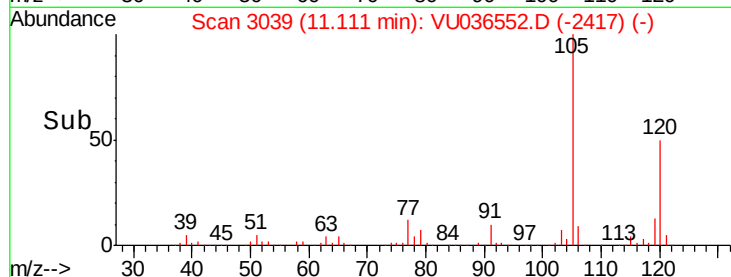
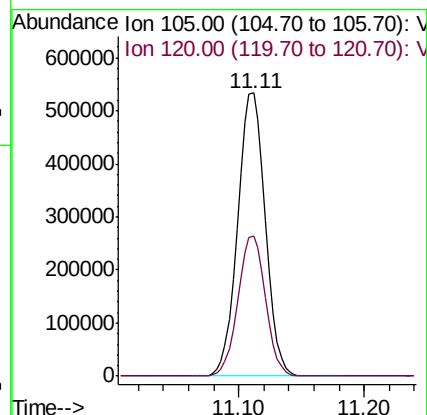
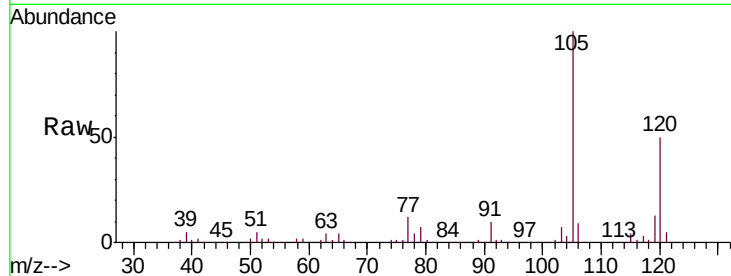




#62
 1,3,5-Trimethylbenzene
 Concen: 20.579 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

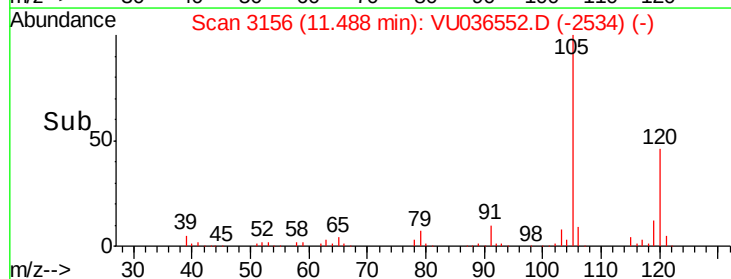
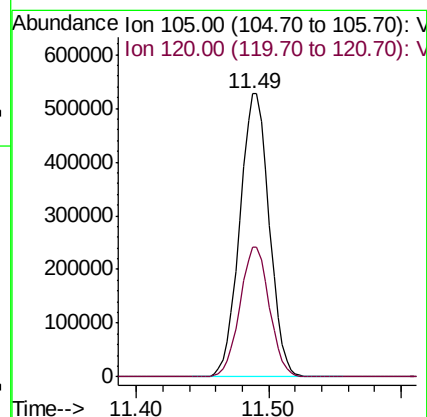
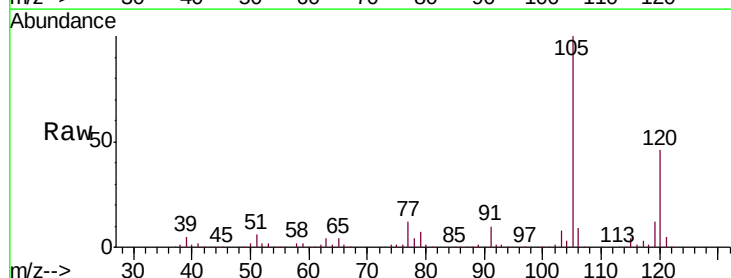
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

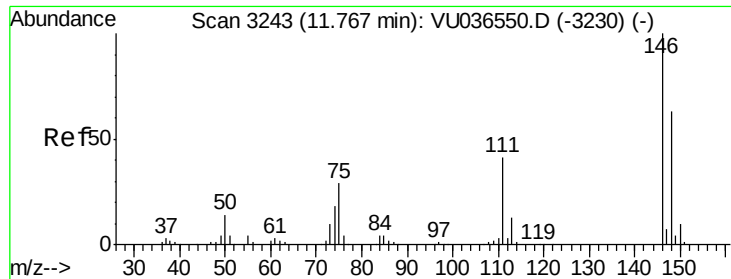
Tgt Ion:105 Resp: 812259
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 20.576 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion:105 Resp: 812513
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.9 55.3

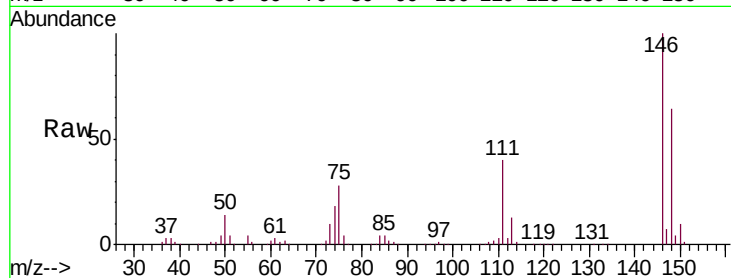




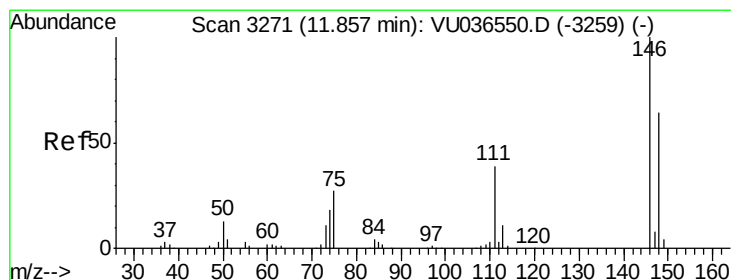
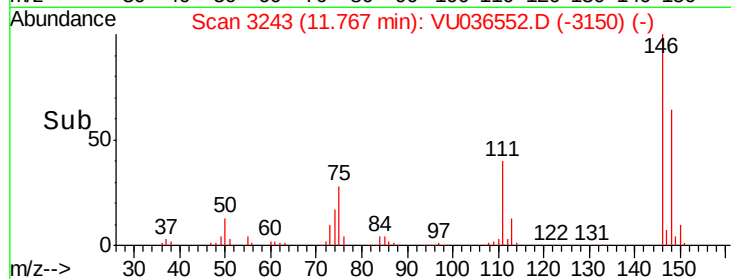
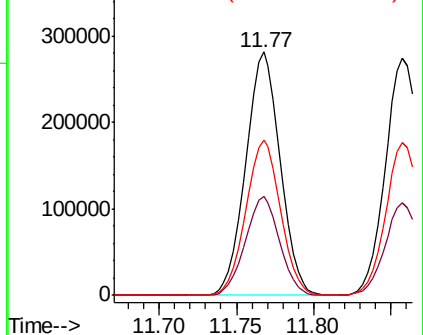
#64
 1,3-Dichlorobenzene
 Concen: 20.434 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

Tgt Ion:146 Resp: 436702
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.8 53.6
 148 63.8 44.2 82.2

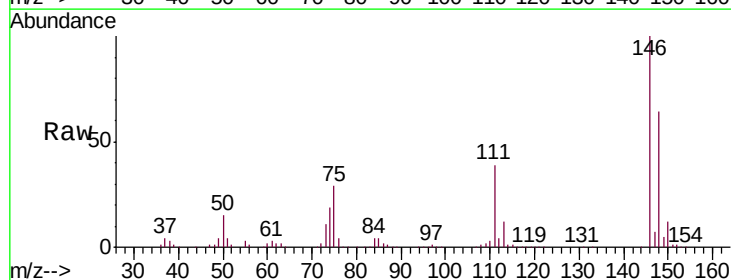


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

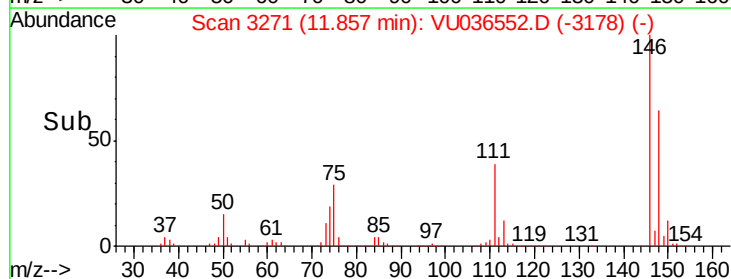
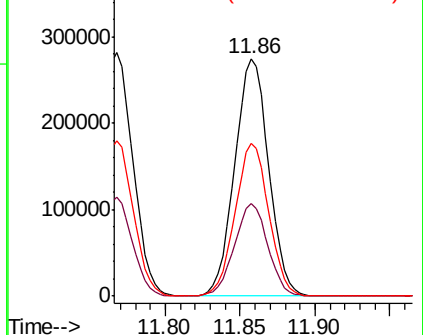


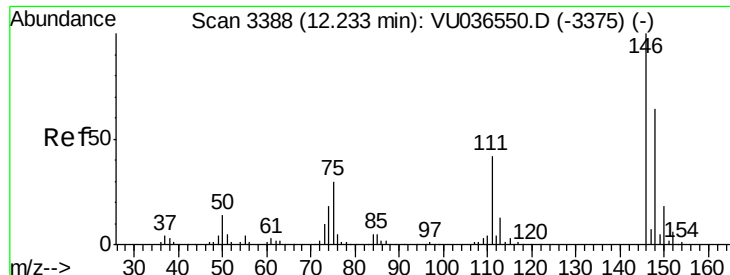
#65
 1,4-Dichlorobenzene
 Concen: 20.533 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion:146 Resp: 433373
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.2 50.6
 148 64.3 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

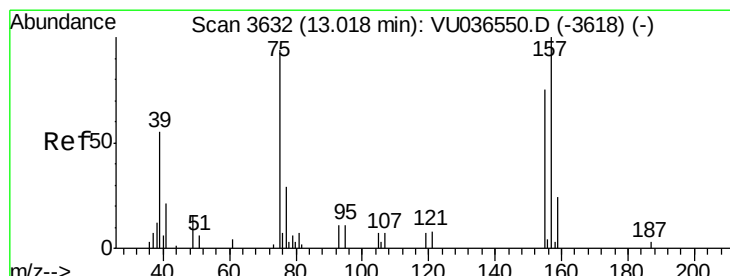
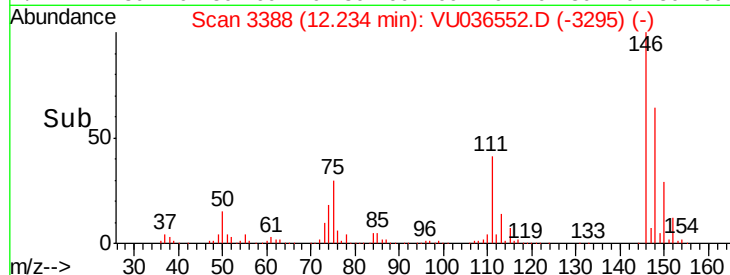
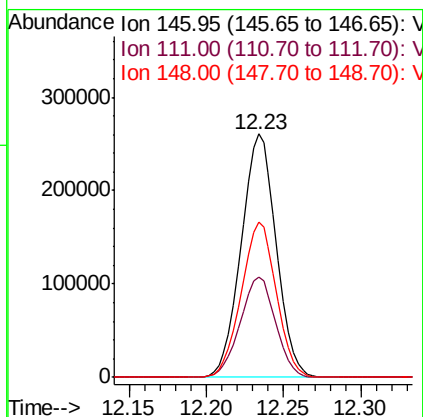
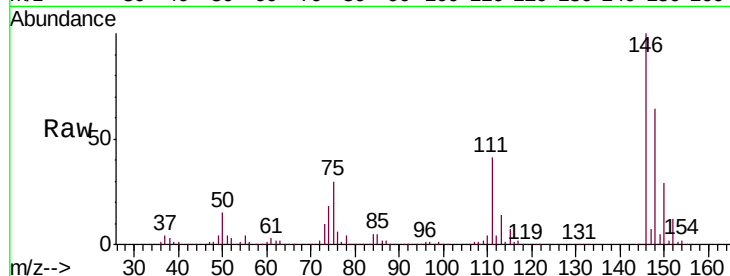




#67
 1,2-Dichlorobenzene
 Concen: 20.211 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

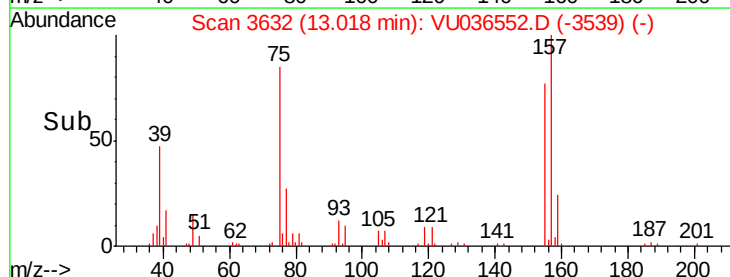
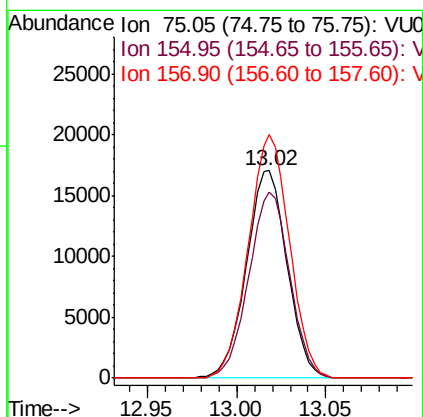
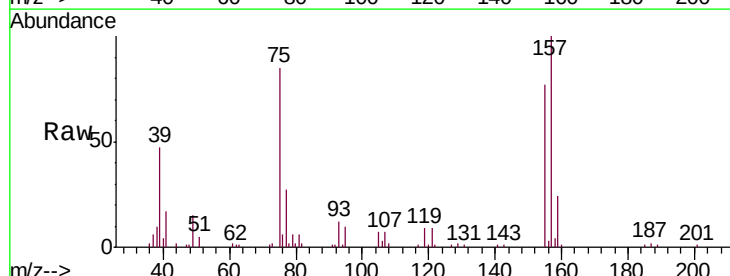
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

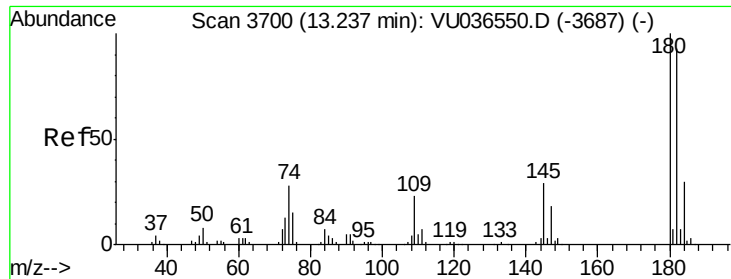
Tgt Ion:146 Resp: 409207
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.4 50.0
 148 63.9 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 20.146 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion: 75 Resp: 27199
 Ion Ratio Lower Upper
 75 100
 155 89.9 64.2 96.4
 157 117.5 85.1 127.7

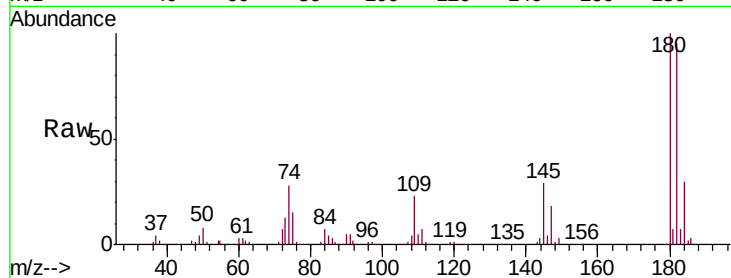




#69
 1,3,5-Trichlorobenzene
 Concen: 20.706 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020605

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
184	30.3	23.9	35.9
145	28.9	22.7	34.1



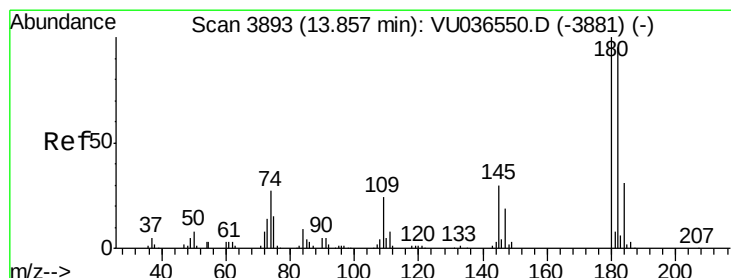
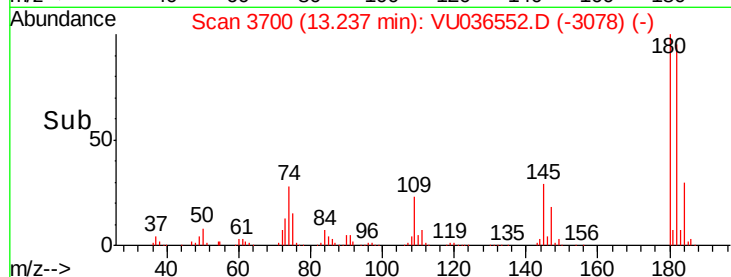
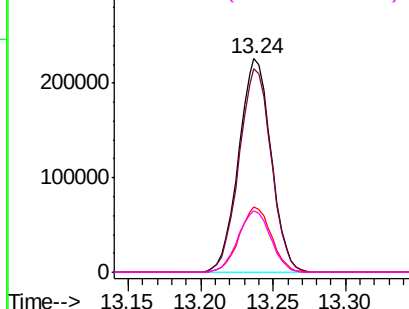
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

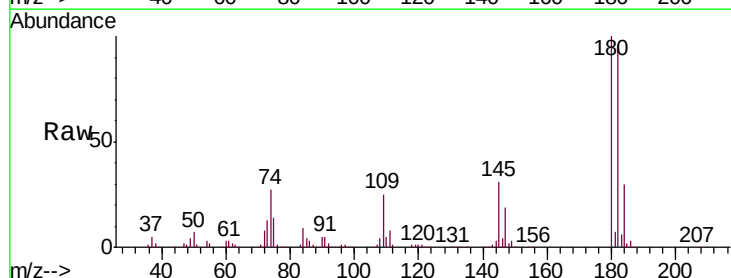
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 23.242 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036552.D
 Acq: 24 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	30.2	23.9	35.9

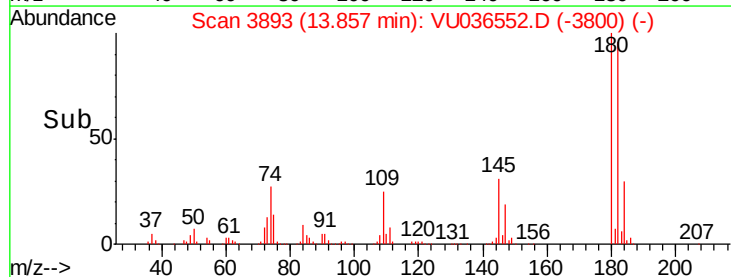
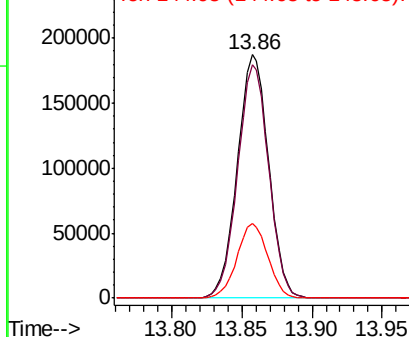


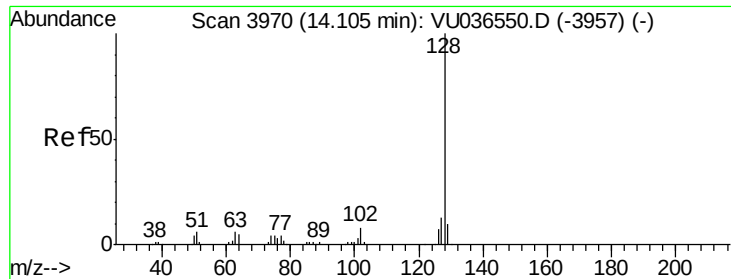
Abundance

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

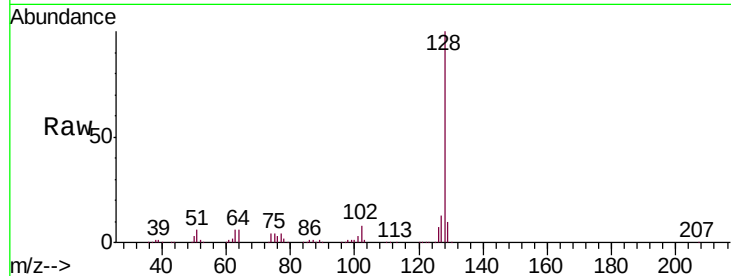




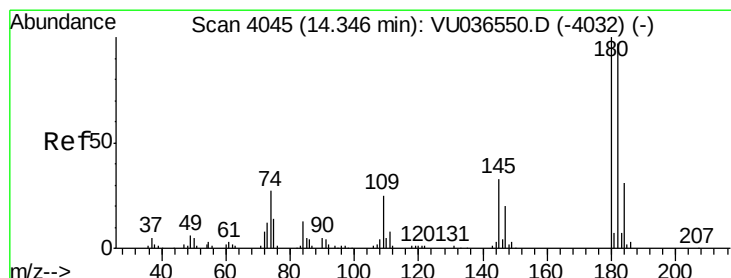
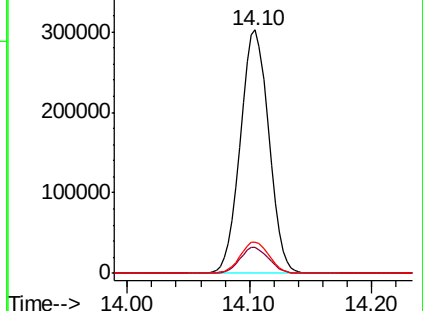
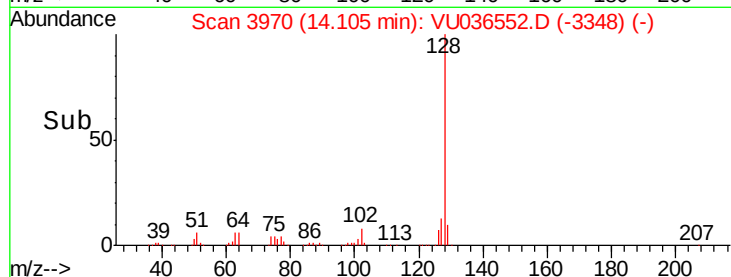
#71
Naphthalene
Concen: 26.642 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD020605

Tgt Ion:128 Resp: 484428
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.0 9.9 14.9

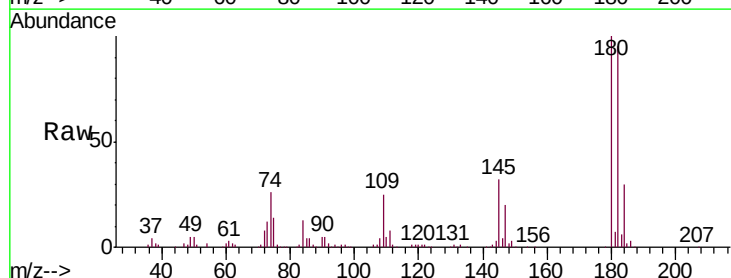


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 22.808 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036552.D
Acq: 24 Jan 2020 13:23

Tgt Ion:180 Resp: 258272
Ion Ratio Lower Upper
180 100
182 94.8 76.2 114.2
145 32.0 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

