

Data File : VU036549.D
Acq On : 24 Jan 2020 11:46
Operator : JC/MD
Sample : VSTD00104
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

Quant Time: Jan 24 22:51:39 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	148903	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	138594	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	67016	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	7769	0.95	ug/L	0.00
7) Chloroethane-d5	1.93	69	7063	0.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	65	3164	0.93	ug/L	0.00
20) 2-Butanone-d5	4.70	46	16072	8.91	ug/L	0.00
24) Chloroform-d	5.11	84	14228	0.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	7868	1.00	ug/L	0.00
32) Benzene-d6	5.77	84	30410	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	9863	0.97	ug/L	0.00
41) Toluene-d8	7.93	98	30148	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	3775	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	16857	8.82	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	7686	0.94	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	11261	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	10901	1.017 ug/L	99
3) Chloromethane	1.53	50	11883	1.064 ug/L	95
5) Vinyl chloride	1.62	62	12906	1.038 ug/L	96
6) Bromomethane	1.87	94	7293	1.006 ug/L	91
8) Chloroethane	1.95	64	7850	1.084 ug/L	95
9) Trichlorofluoromethane	2.16	101	15118	1.045 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	9250	1.017 ug/L	98
12) 1,1-Dichloroethene	2.60	96	9005	1.015 ug/L	98
13) Acetone	2.69	43	14682	11.388 ug/L	85
14) Carbon disulfide	2.82	76	28617	1.031 ug/L	99
15) Methyl Acetate	3.00	43	3456	1.099 ug/L	93
16) Methylene chloride	3.08	84	13371	1.327 ug/L	92
17) Methyl tert-butyl Ether	3.41	73	22534	0.998 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	9673	1.013 ug/L	95
19) 1,1-Dichloroethane	3.91	63	16683	1.001 ug/L	97
21) 2-Butanone	4.77	43	22459	10.424 ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	10678	1.008 ug/L	99
23) Bromochloromethane	5.02	128	4561	0.992 ug/L	# 96
25) Chloroform	5.13	83	17309	1.049 ug/L	96
27) 1,2-Dichloroethane	5.84	62	10909	1.052 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	14087	1.043 ug/L	99
30) Cyclohexane	5.43	56	16126	1.040 ug/L	99
31) Carbon tetrachloride	5.56	117	11406	0.972 ug/L	98
33) Benzene	5.82	78	40266	1.052 ug/L	100
34) Trichloroethene	6.58	95	10669	1.044 ug/L	98
35) Methylcyclohexane	6.80	83	18082	1.035 ug/L	99
37) 1,2-Dichloropropane	6.83	63	9977	1.016 ug/L	98
38) Bromodichloromethane	7.14	83	12048	1.015 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	14530	0.980 ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	55962	10.415 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	43667	1.029	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	11630	1.010	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	7367	1.014	ug/L	97
47) Tetrachloroethene	8.58	164	8790	1.066	ug/L	97
48) 2-Hexanone	8.73	43	37723	9.941	ug/L	97
49) Dibromochloromethane	8.84	129	8331	1.013	ug/L	97
50) 1,2-Dibromoethane	8.95	107	7295	1.062	ug/L	97
51) Chlorobenzene	9.47	112	28554	1.048	ug/L	99
52) Ethylbenzene	9.60	91	48066	1.035	ug/L	99
53) m,p-Xylene	9.72	106	18352	1.009	ug/L	99
54) o-Xylene	10.12	106	17842	1.015	ug/L	99
55) Styrene	10.14	104	28945	0.988	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	9094	1.022	ug/L	98
59) Bromoform	10.32	173	4520	1.016	ug/L #	95
60) Isopropylbenzene	10.51	105	47901	1.088	ug/L	98
61) 1,2,3-Trichloropropane	10.85	75	6676	1.110	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	40148	1.057	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	39615	1.043	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	22132	1.077	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	22178	1.092	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	20954	1.076	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	1498	1.154	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.24	180	16442	1.010	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	10822	0.899	ug/L	96
71) Naphthalene	14.10	128	12883	0.737	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	9876	0.907	ug/L	98

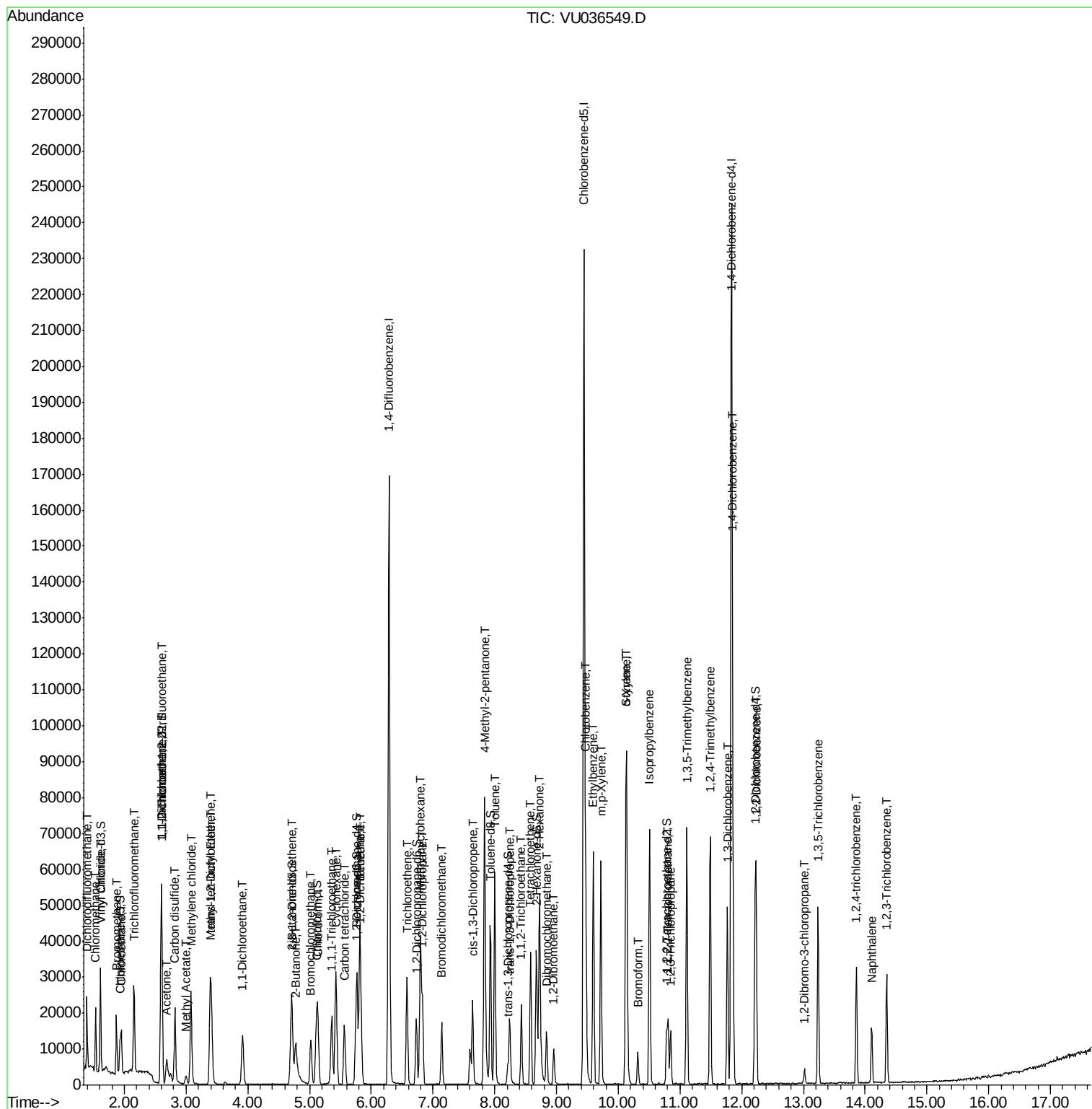
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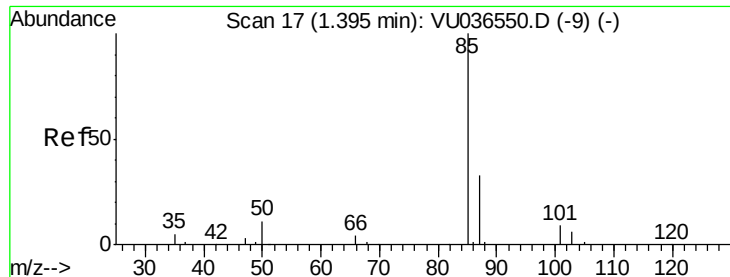
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#2

Dichlorodifluoromethane

Concen: 1.017 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

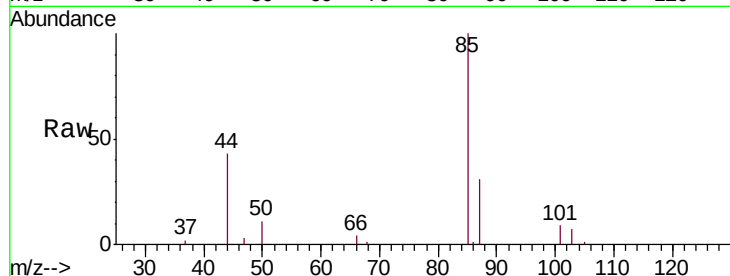
VSTD001602

Tgt Ion: 85 Resp: 10901

Ion Ratio Lower Upper

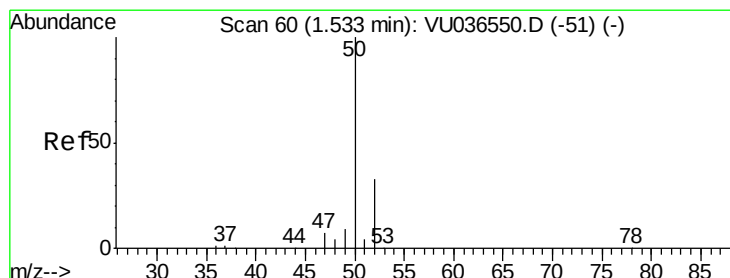
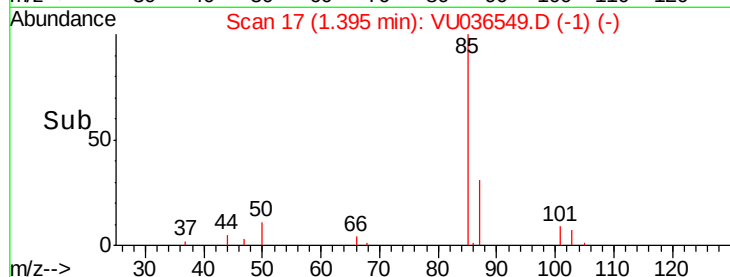
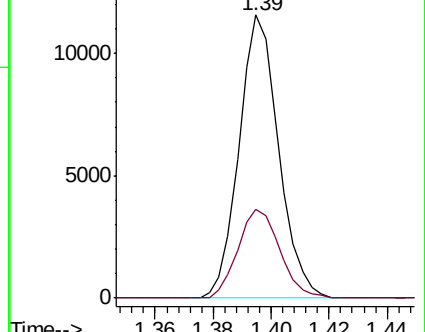
85 100

87 33.2 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) (-)



#3

Chloromethane

Concen: 1.064 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU036549.D

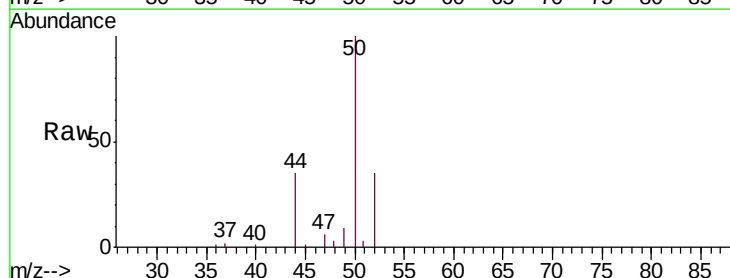
Acq: 24 Jan 2020 11:46

Tgt Ion: 50 Resp: 11883

Ion Ratio Lower Upper

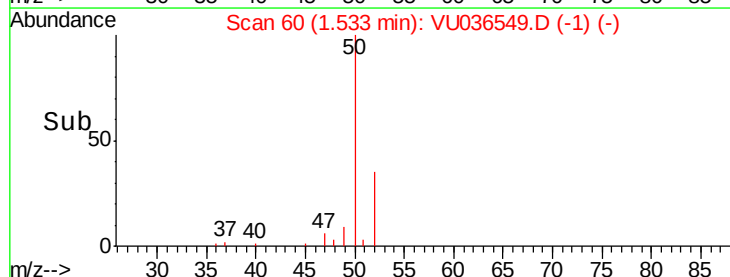
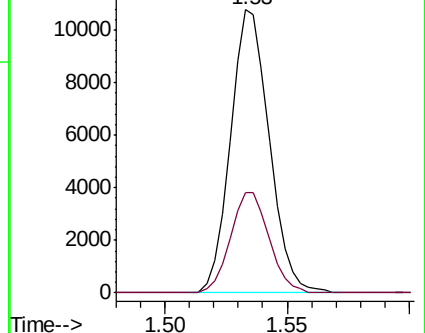
50 100

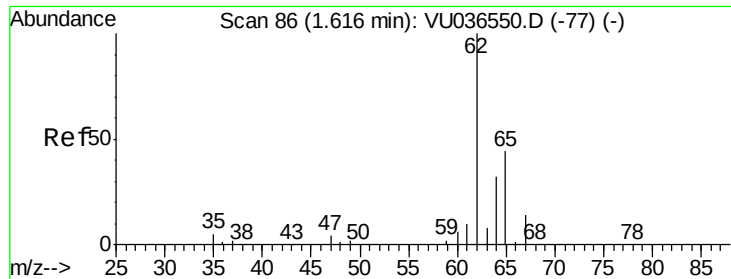
52 35.5 22.7 42.3



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

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





#5

Vinyl chloride

Concen: 1.038 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

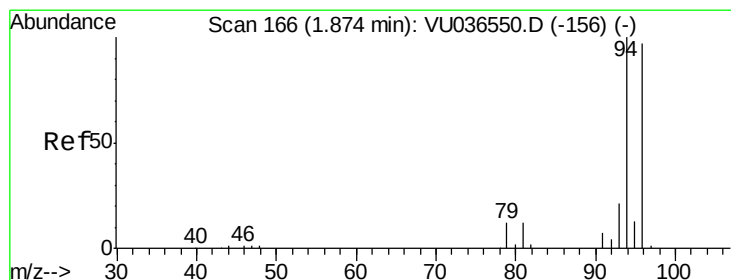
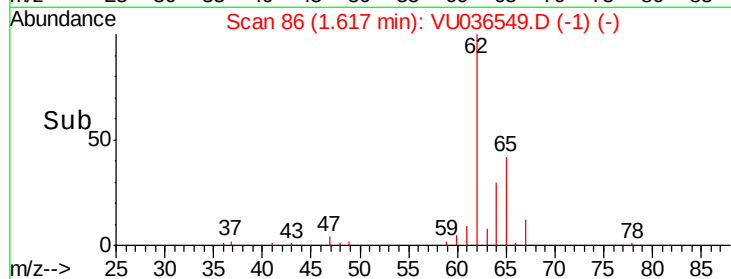
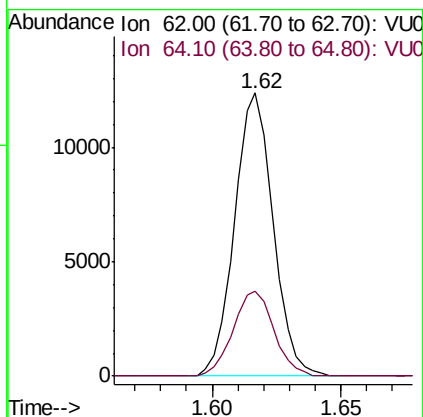
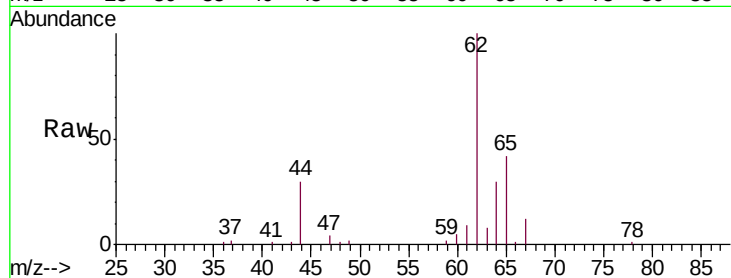
VSTD001602

Tgt Ion: 62 Resp: 12906

Ion Ratio Lower Upper

62 100

64 30.2 22.6 42.0



#6

Bromomethane

Concen: 1.006 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036549.D

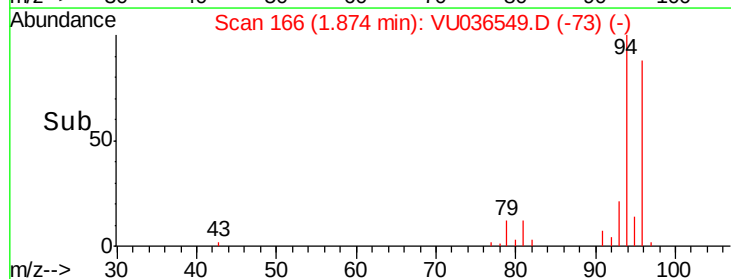
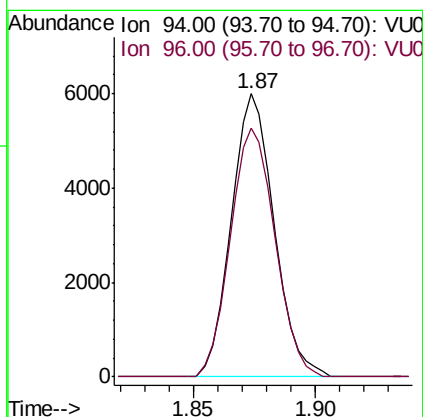
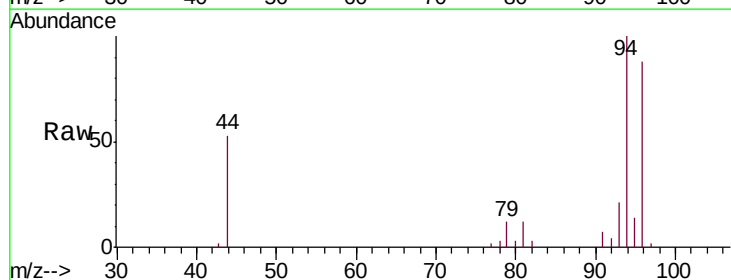
Acq: 24 Jan 2020 11:46

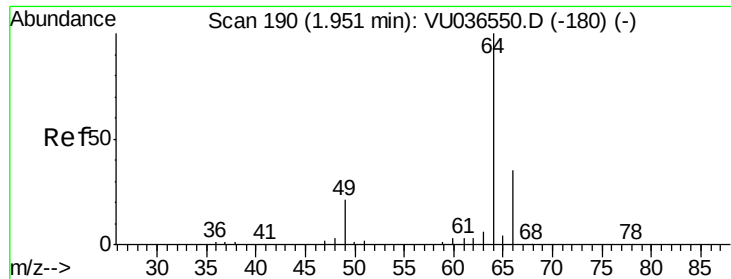
Tgt Ion: 94 Resp: 7293

Ion Ratio Lower Upper

94 100

96 88.1 67.6 125.6





#8

Chloroethane

Concen: 1.084 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

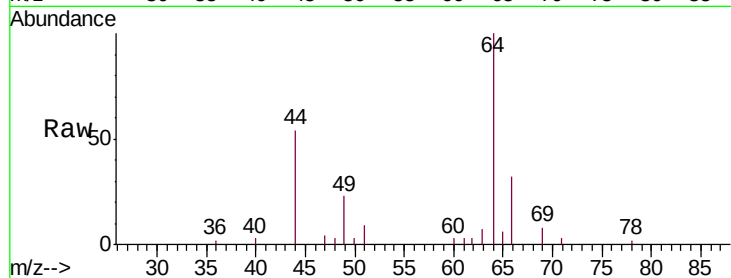
VSTD001602

Tgt Ion: 64 Resp: 7850

Ion Ratio Lower Upper

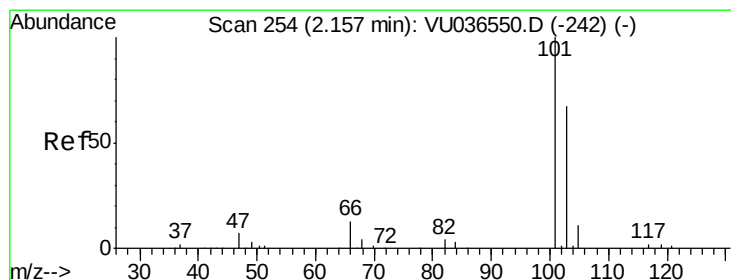
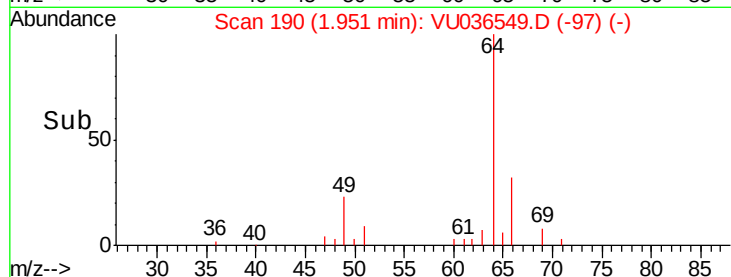
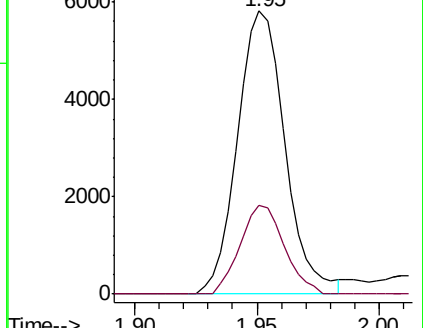
64 100

66 31.6 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) (-)



#9

Trichlorofluoromethane

Concen: 1.045 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036549.D

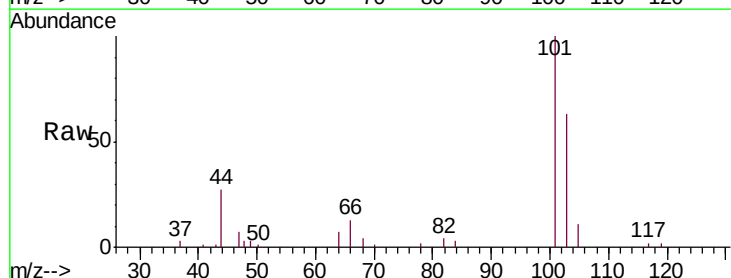
Acq: 24 Jan 2020 11:46

Tgt Ion: 101 Resp: 15118

Ion Ratio Lower Upper

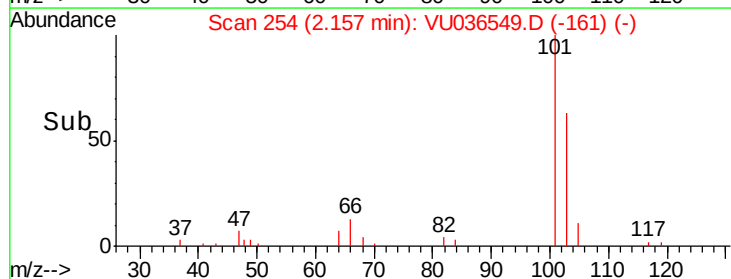
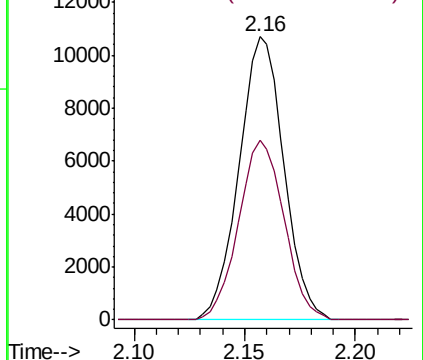
101 100

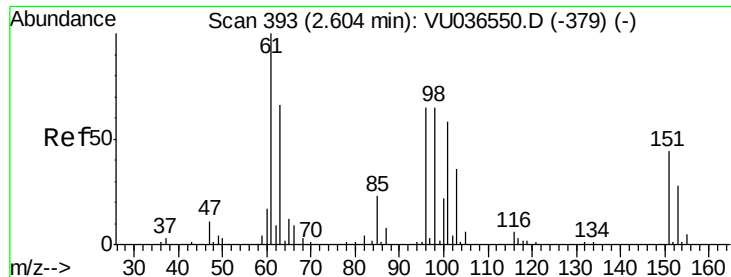
103 64.2 52.5 78.7



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

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





#10

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

Concen: 1.017 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD001602

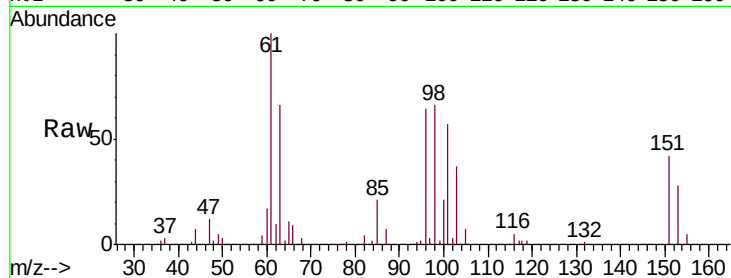
Tgt Ion: 101 Resp: 9250

Ion Ratio Lower Upper

101 100

85 40.9 32.2 48.4

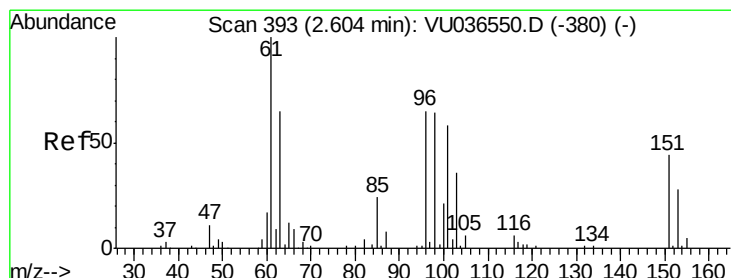
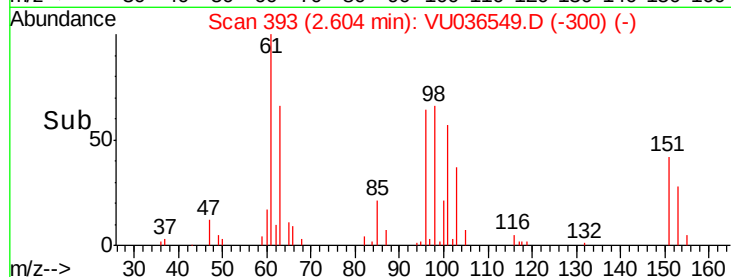
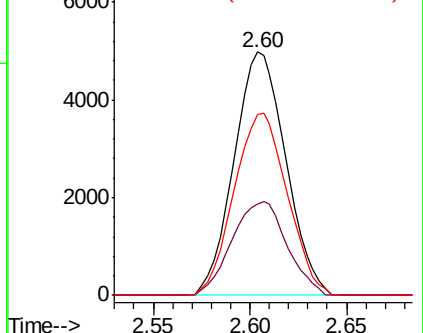
151 76.8 59.2 88.8



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: 1.015 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

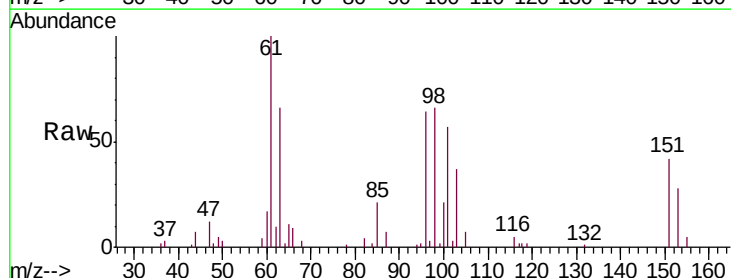
Tgt Ion: 96 Resp: 9005

Ion Ratio Lower Upper

96 100

61 157.5 108.2 201.0

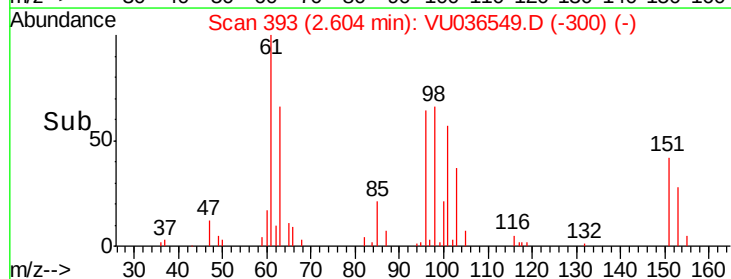
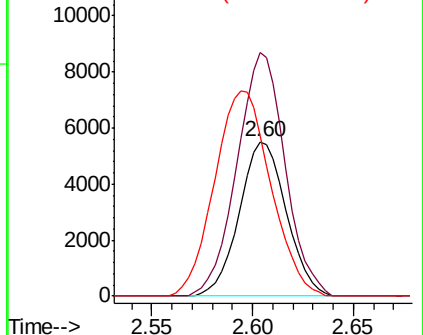
63 104.1 72.0 133.8

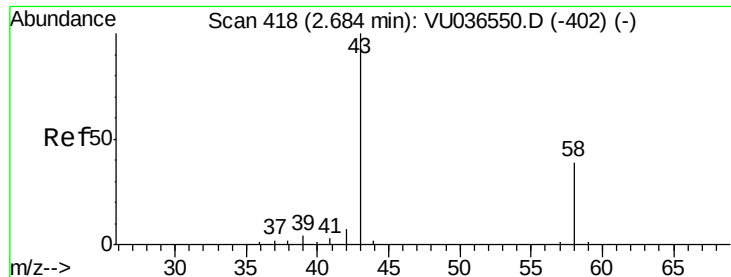


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.388 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.00 min

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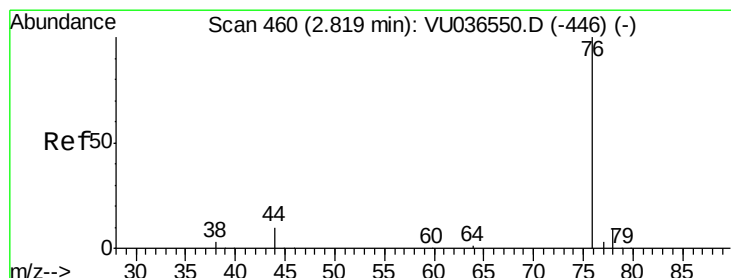
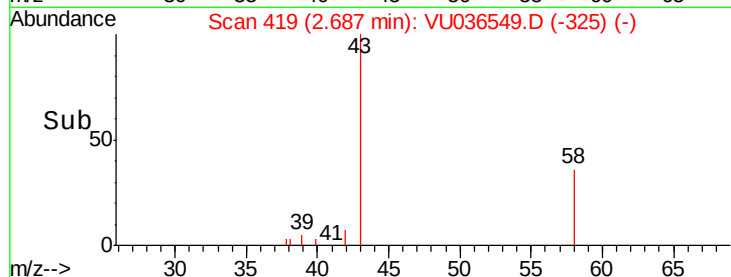
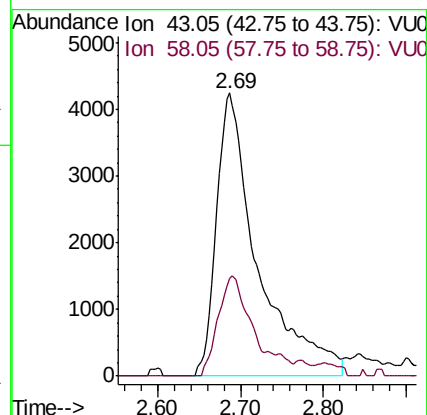
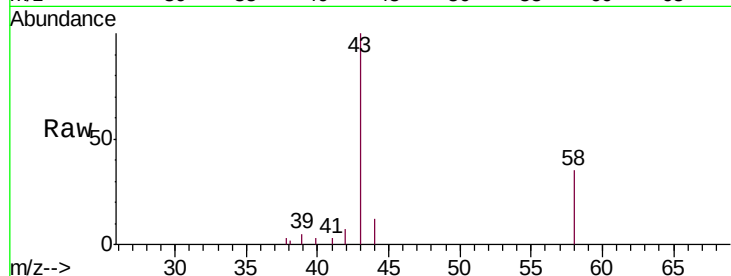
VSTD001602

Tgt Ion: 43 Resp: 14682

Ion Ratio Lower Upper

43 100

58 28.3 0.0 74.0



#14

Carbon disulfide

Concen: 1.031 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036549.D

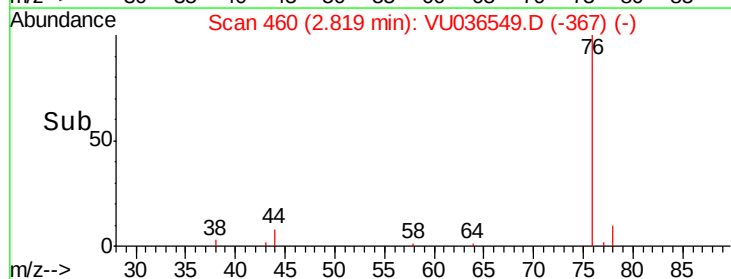
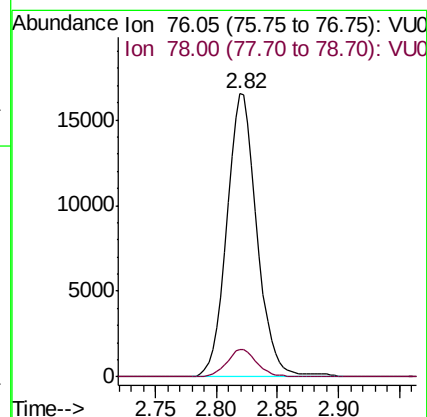
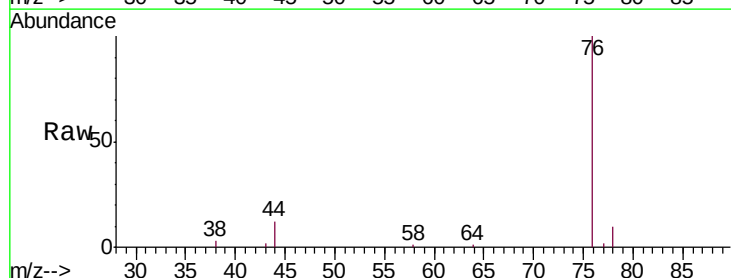
Acq: 24 Jan 2020 11:46

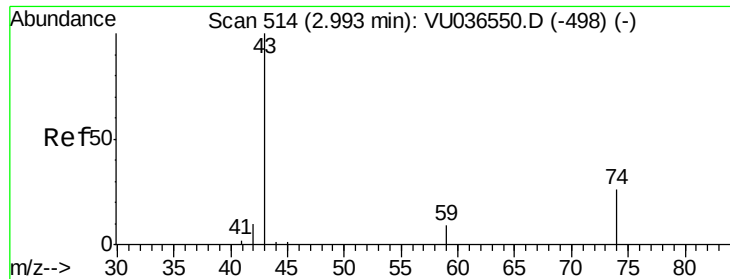
Tgt Ion: 76 Resp: 28617

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

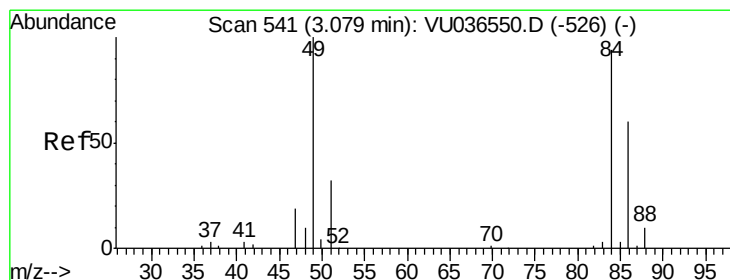
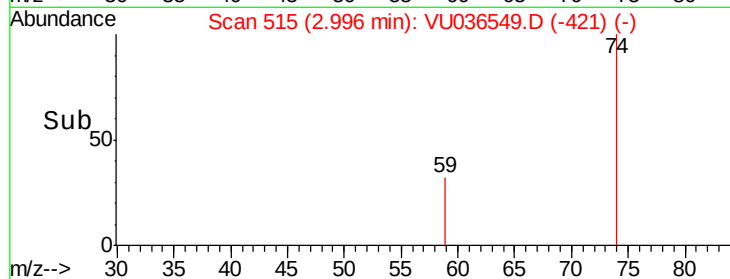
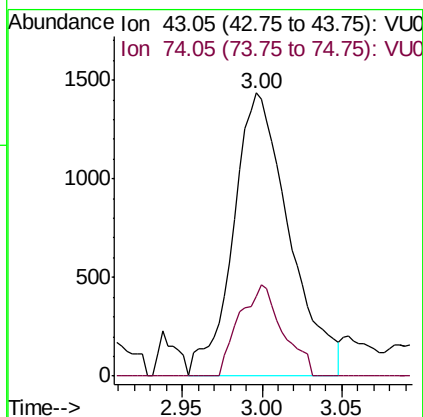
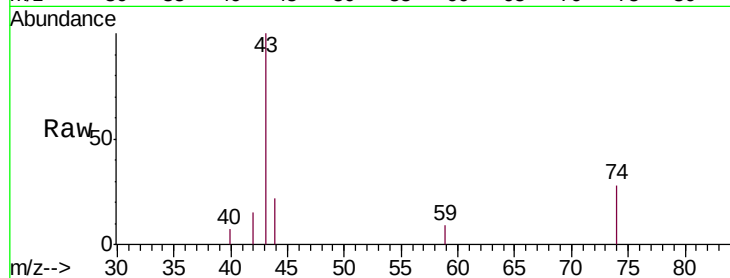




#15
Methyl Acetate
Concen: 1.099 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

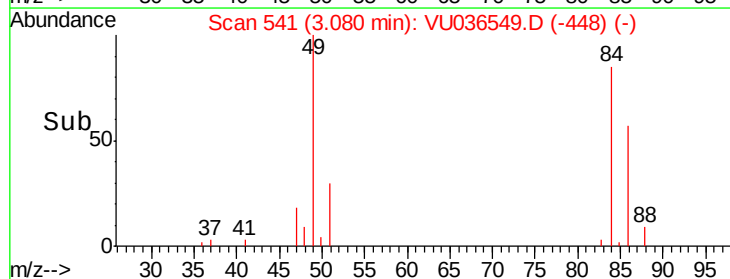
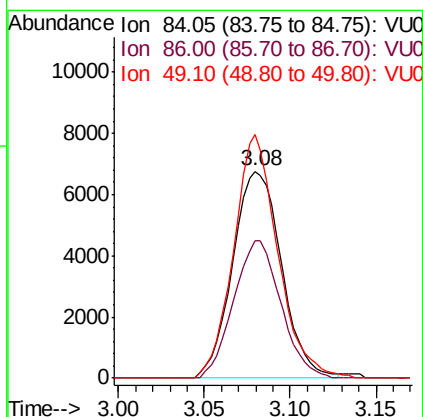
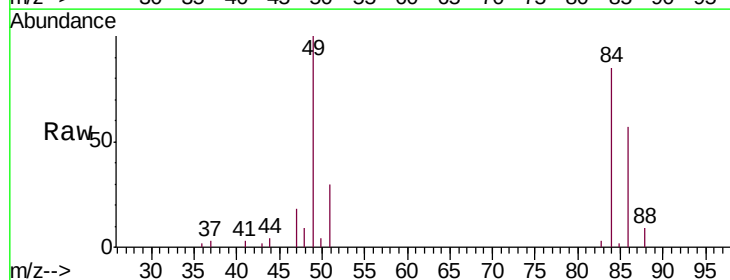
Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

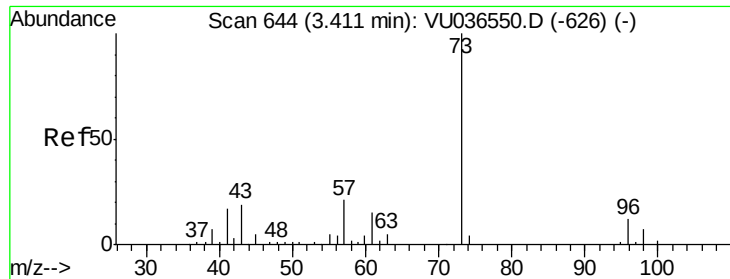
Tgt Ion: 43 Resp: 3456
Ion Ratio Lower Upper
43 100
74 24.9 22.7 34.1



#16
Methylene chloride
Concen: 1.327 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion: 84 Resp: 13371
Ion Ratio Lower Upper
84 100
86 66.6 44.8 83.2
49 117.7 74.8 139.0

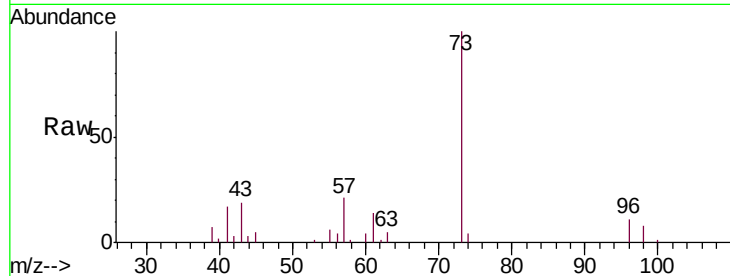




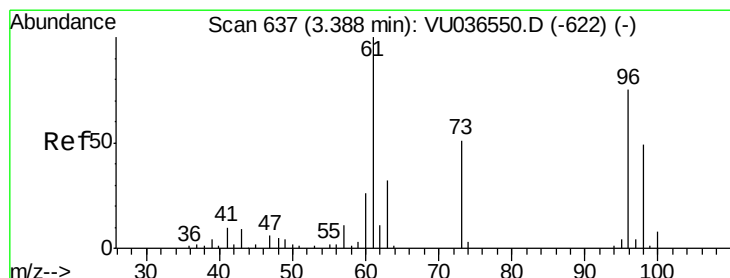
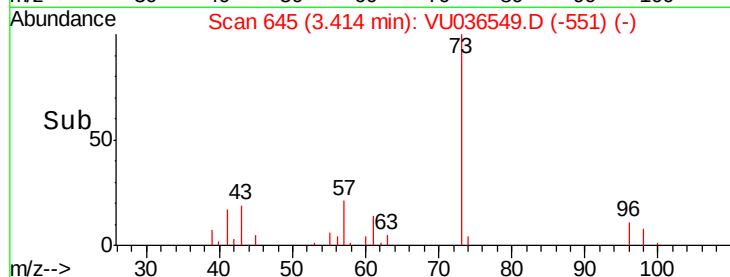
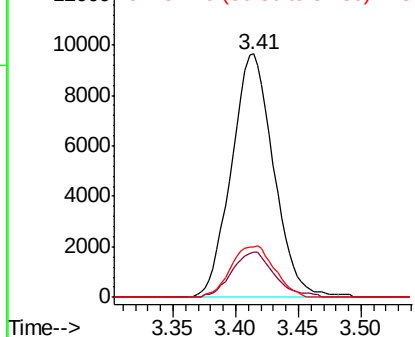
#17
Methyl tert-butyl Ether
Concen: 0.998 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

Tgt Ion: 73 Resp: 22534
Ion Ratio Lower Upper
73 100
43 18.9 14.6 21.8
57 21.7 17.0 25.6

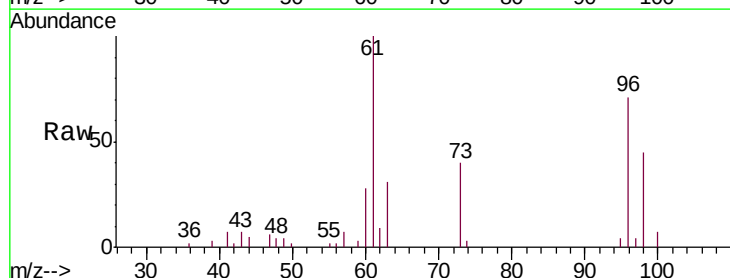


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

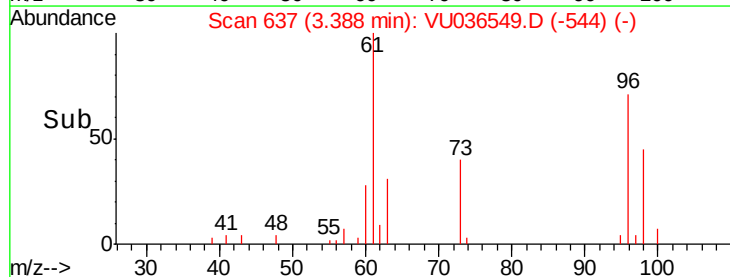
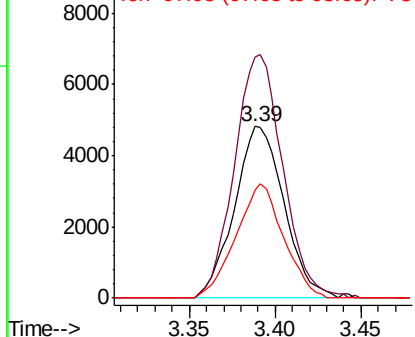


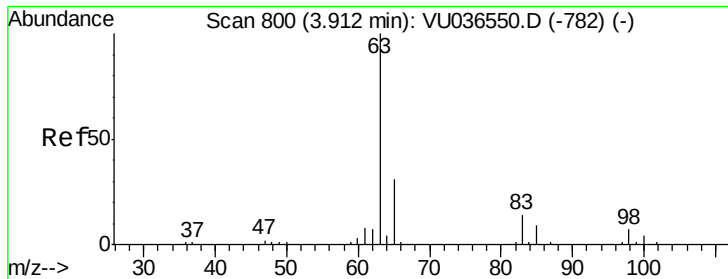
#18
trans-1,2-Dichloroethene
Concen: 1.013 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion: 96 Resp: 9673
Ion Ratio Lower Upper
96 100
61 140.5 93.1 172.9
98 63.0 45.5 84.5



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

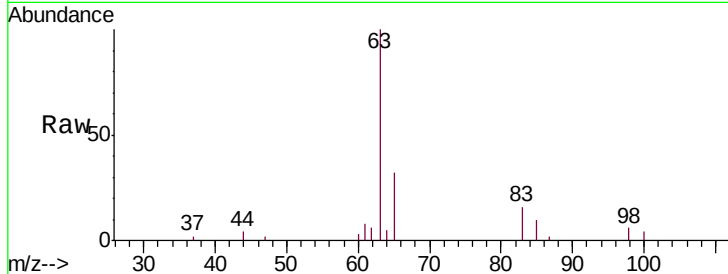




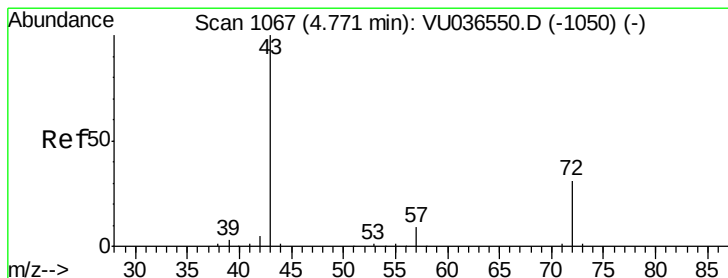
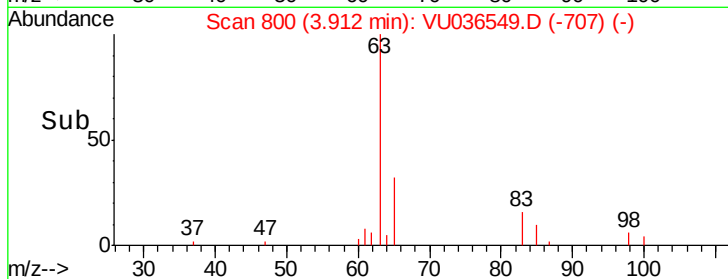
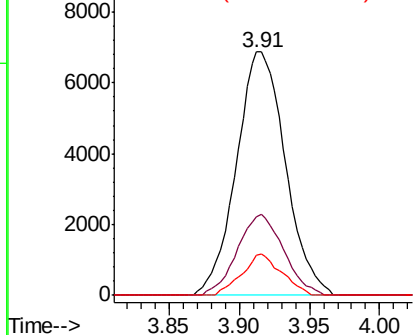
#19
 1,1-Dichloroethane
 Concen: 1.001 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

Tgt Ion: 63 Resp: 16683
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.6
 83 16.4 9.8 18.2

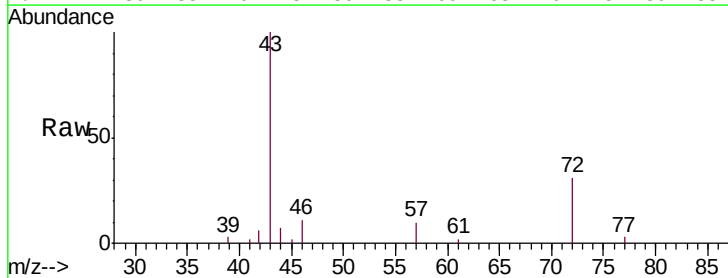


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

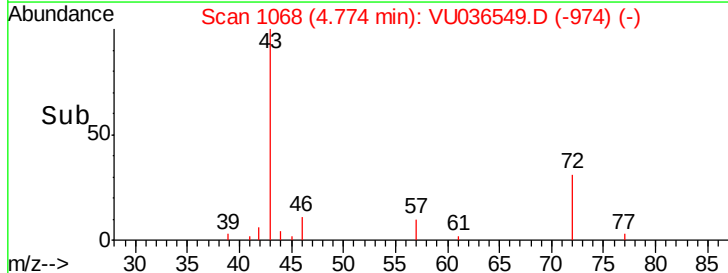
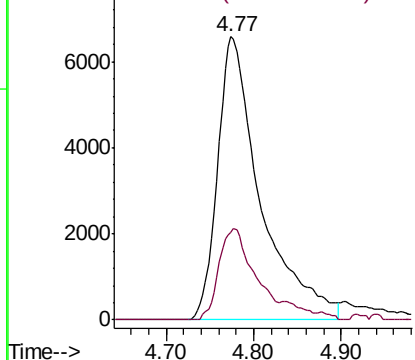


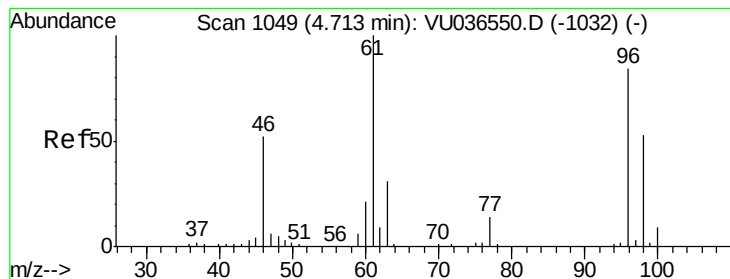
#21
 2-Butanone
 Concen: 10.424 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 43 Resp: 22459
 Ion Ratio Lower Upper
 43 100
 72 26.3 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.008 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD001602

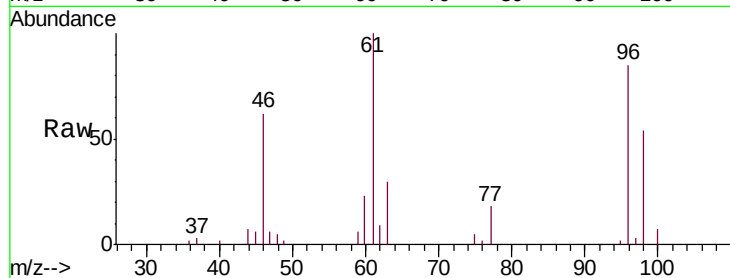
Tgt Ion: 96 Resp: 10678

Ion Ratio Lower Upper

96 100

61 118.1 83.0 154.1

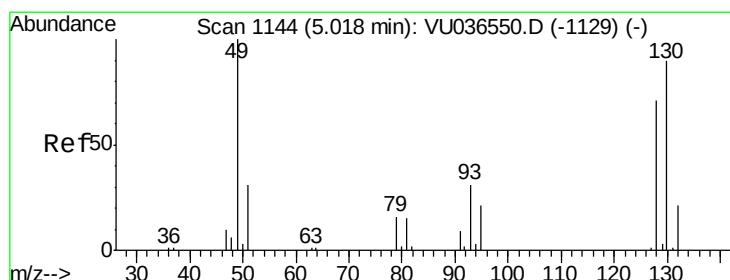
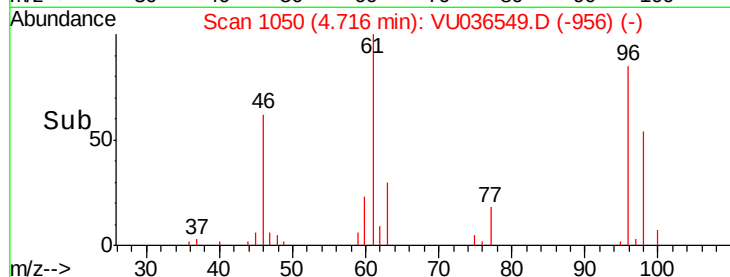
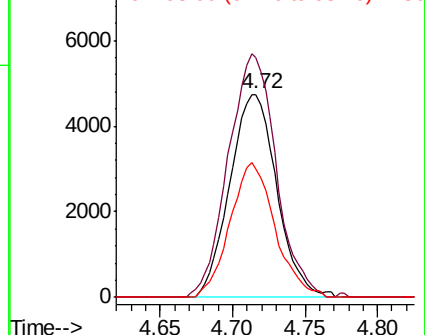
98 63.4 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU036549.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036549.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036549.D (-956) (-)



#23

Bromochloromethane

Concen: 0.992 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Tgt Ion: 128 Resp: 4561

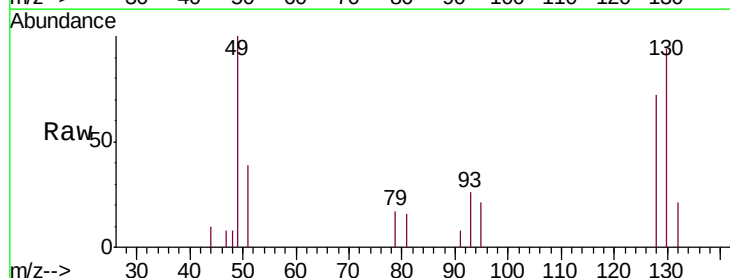
Ion Ratio Lower Upper

128 100

49 139.1 98.6 183.2

130 130.5 89.1 165.5

51 54.2 35.4 53.2#

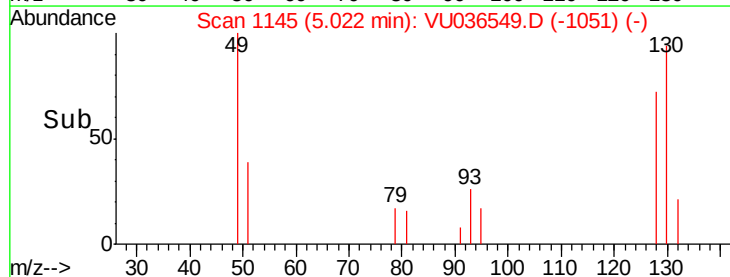
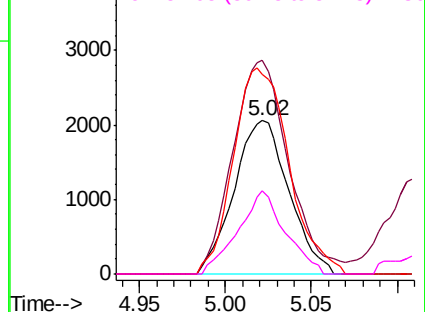


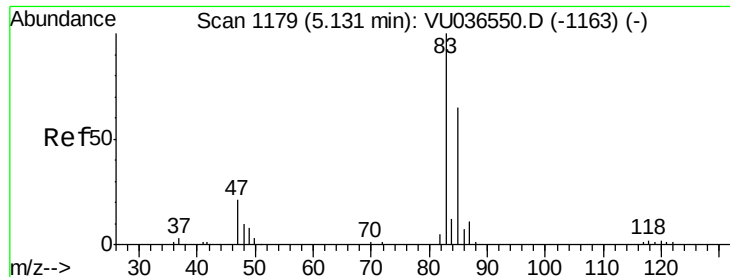
Abundance Ion 127.90 (127.60 to 128.60): VU036549.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036549.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036549.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036549.D (-1051) (-)

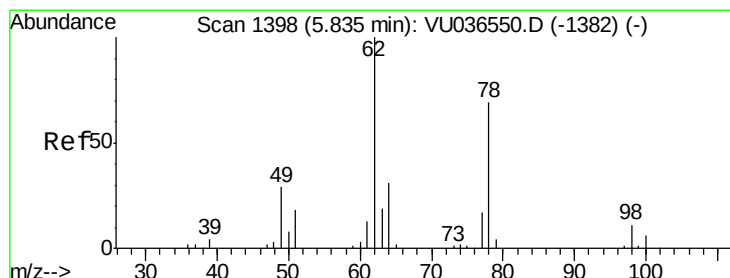
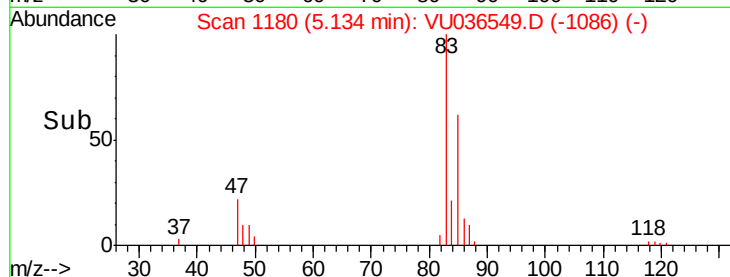
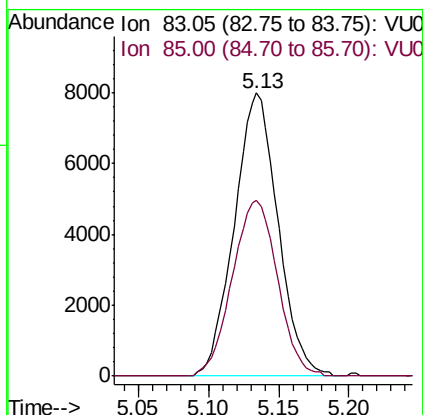
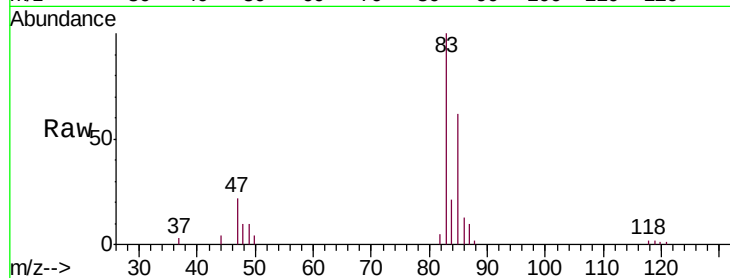




#25
Chloroform
Concen: 1.049 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

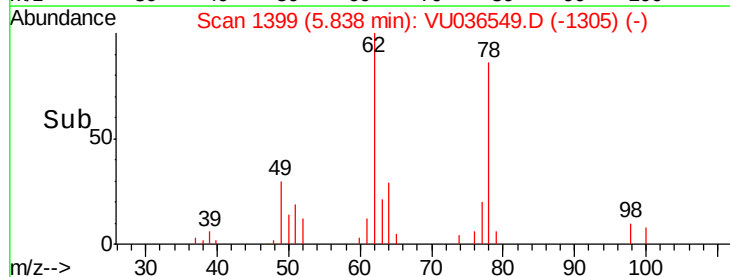
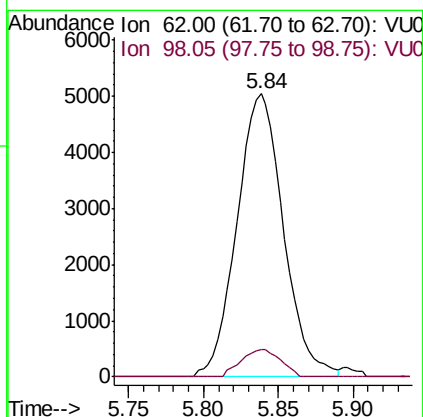
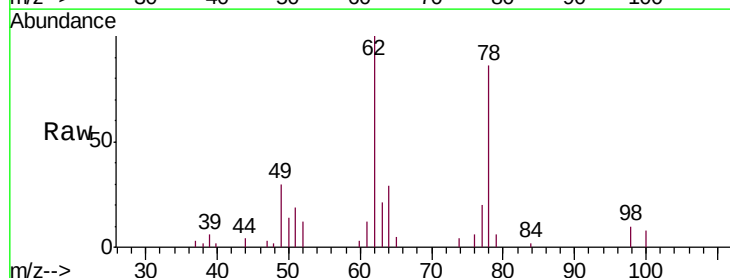
Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

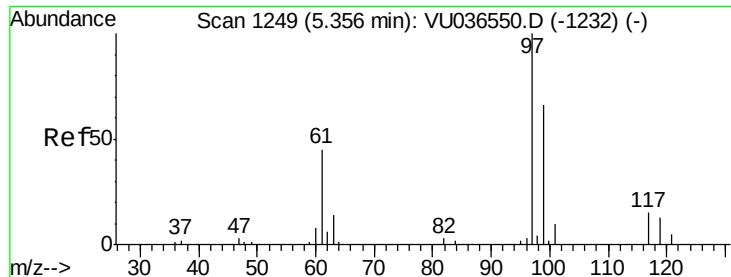
Tgt Ion: 83 Resp: 17309
Ion Ratio Lower Upper
83 100
85 62.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 1.052 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion: 62 Resp: 10909
Ion Ratio Lower Upper
62 100
98 9.8 8.5 12.7

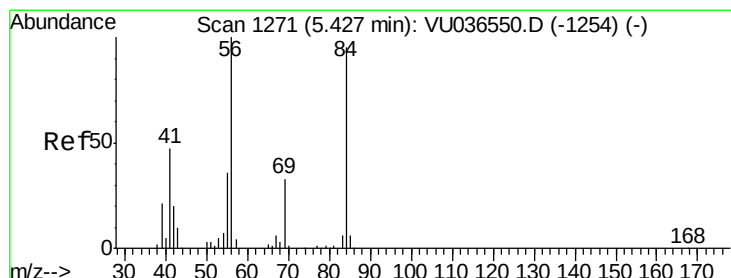
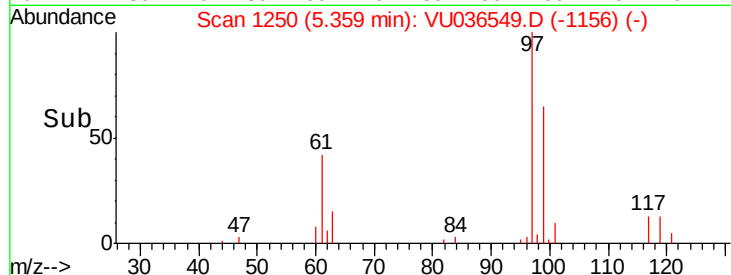
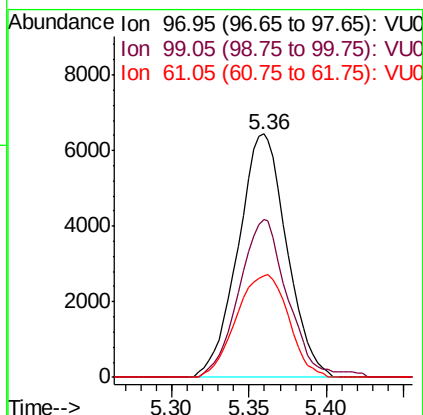
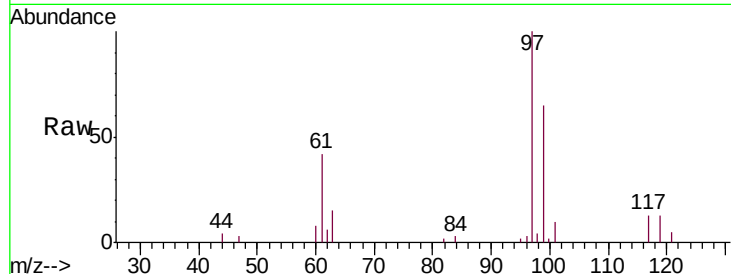




#29
 1,1,1-Trichloroethane
 Concen: 1.043 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

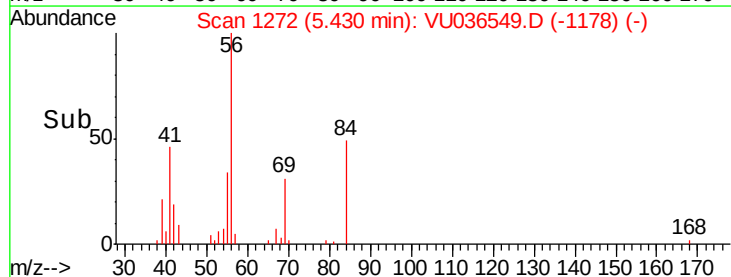
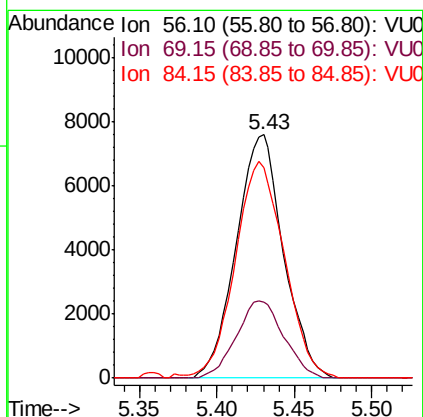
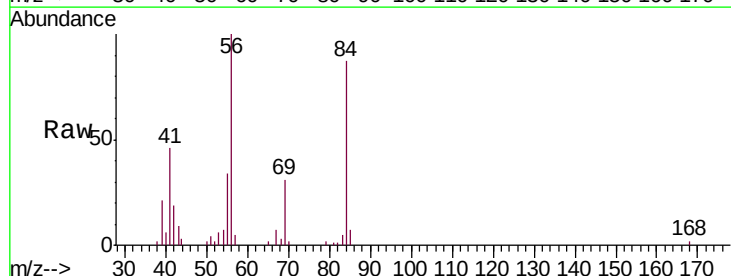
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

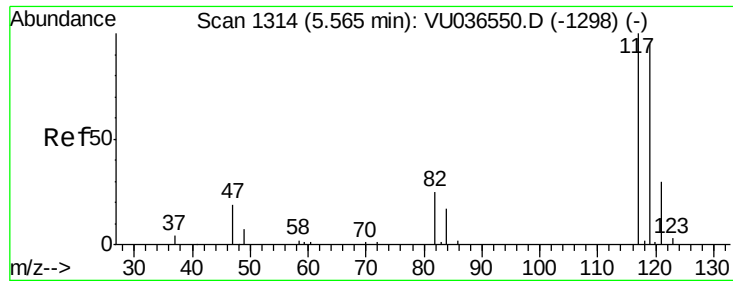
Tgt Ion: 97 Resp: 14087
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 45.0 35.6 53.4



#30
 Cyclohexane
 Concen: 1.040 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 56 Resp: 16126
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.7 38.5
 84 92.8 75.3 112.9





#31

Carbon tetrachloride

Concen: 0.972 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

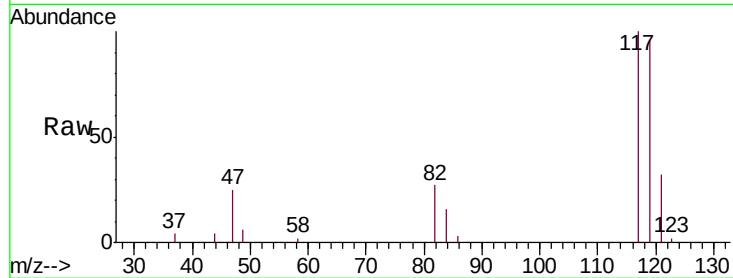
VSTD001602

Tgt Ion:117 Resp: 11406

Ion Ratio Lower Upper

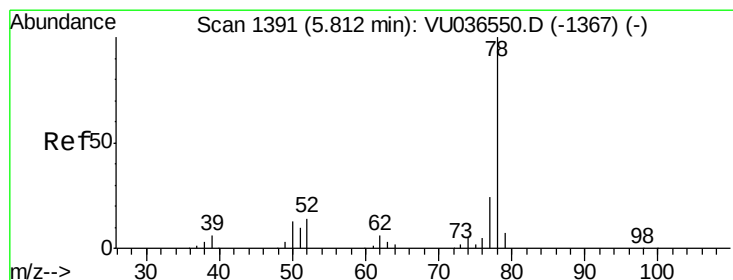
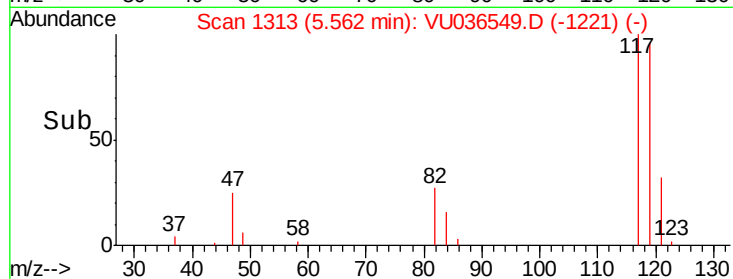
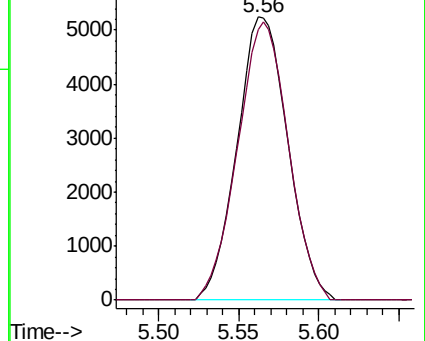
117 100

119 97.7 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.052 ug/L

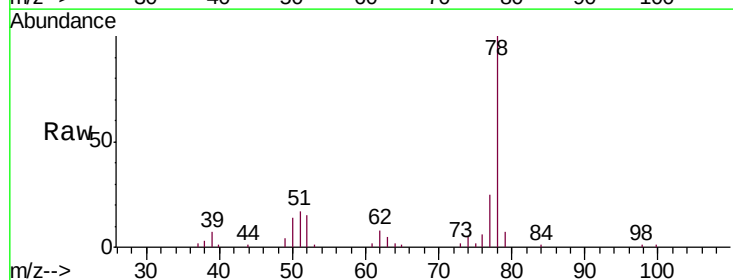
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

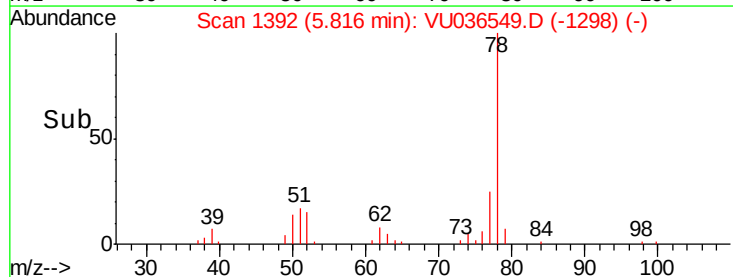
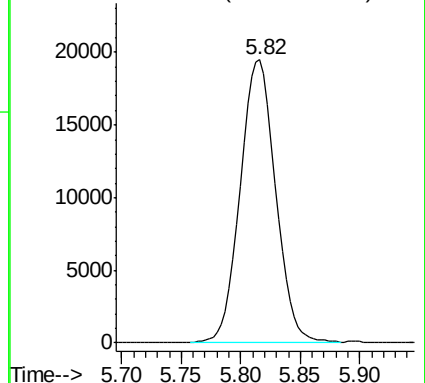
Lab File: VU036549.D

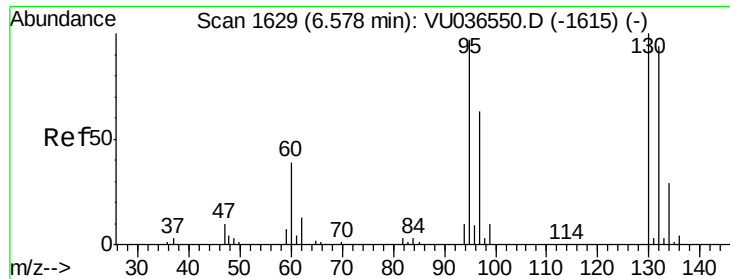
Acq: 24 Jan 2020 11:46

Tgt Ion: 78 Resp: 40266



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.044 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD001602

Tgt Ion: 95 Resp: 10669

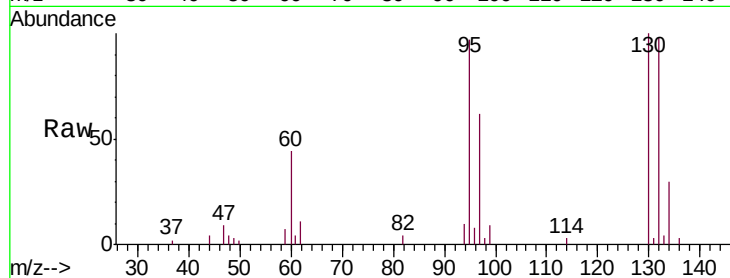
Ion Ratio Lower Upper

95 100

97 63.5 45.6 84.8

132 101.1 67.7 125.7

130 102.9 72.2 134.2

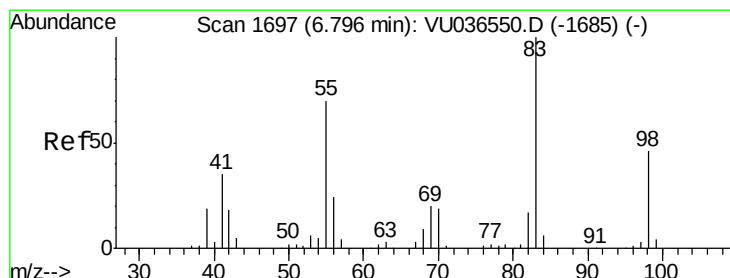
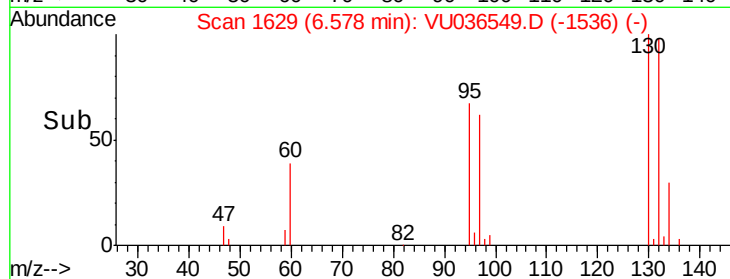
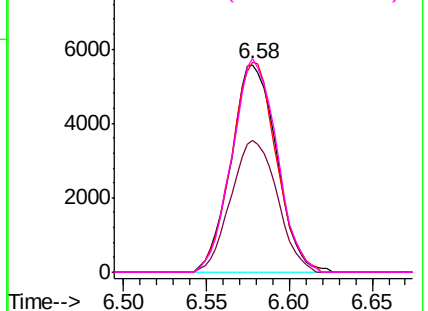


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.035 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

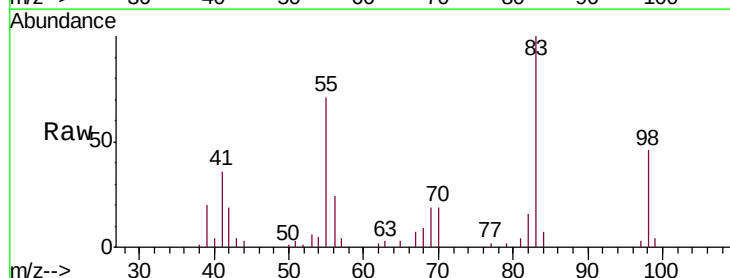
Tgt Ion: 83 Resp: 18082

Ion Ratio Lower Upper

83 100

55 69.9 56.9 85.3

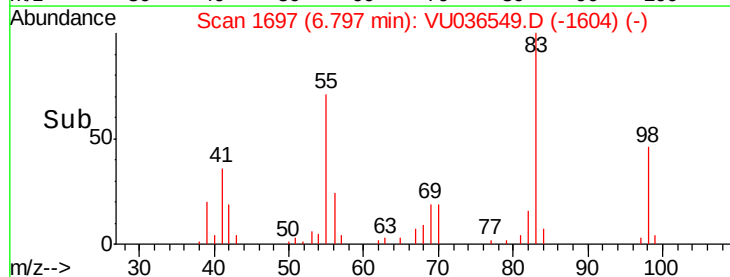
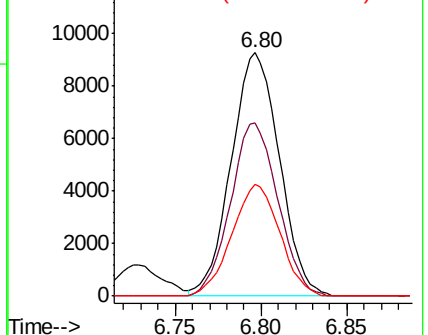
98 45.7 36.9 55.3

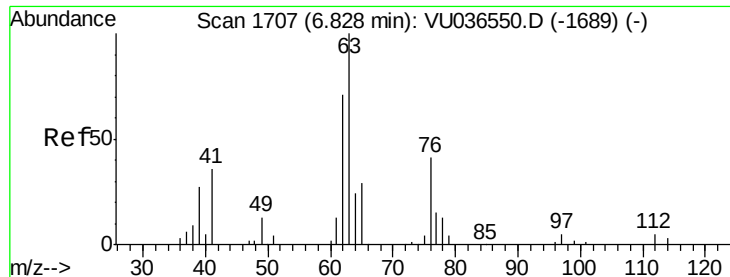


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

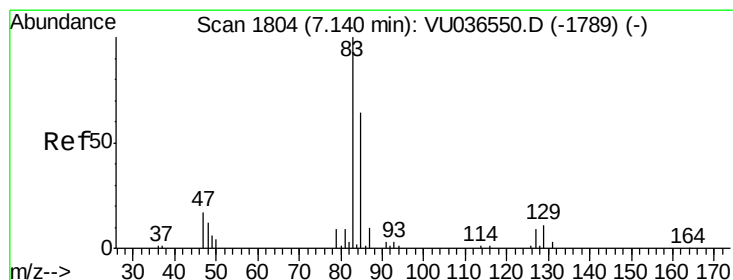
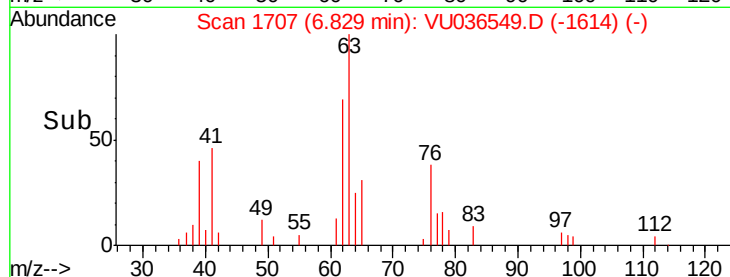
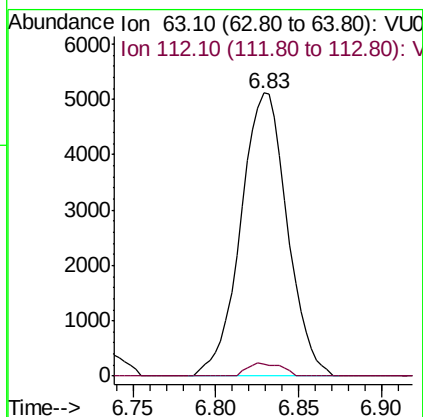
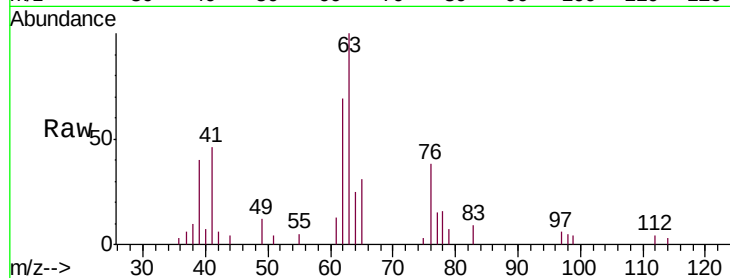




#37
 1,2-Dichloropropane
 Concen: 1.016 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

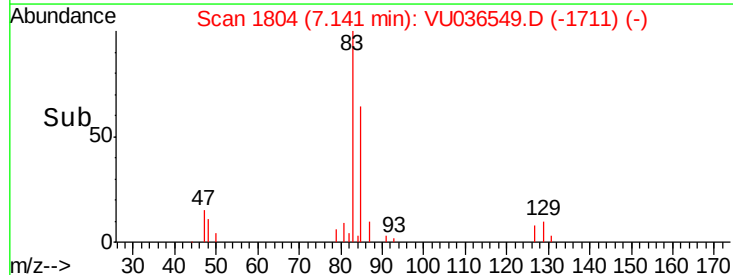
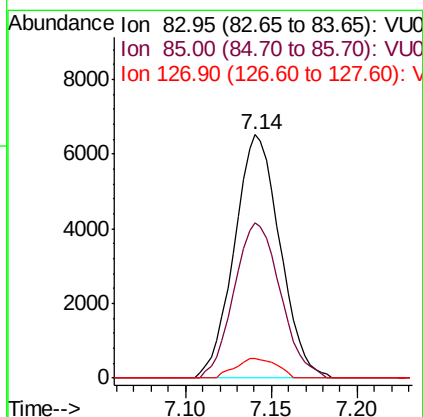
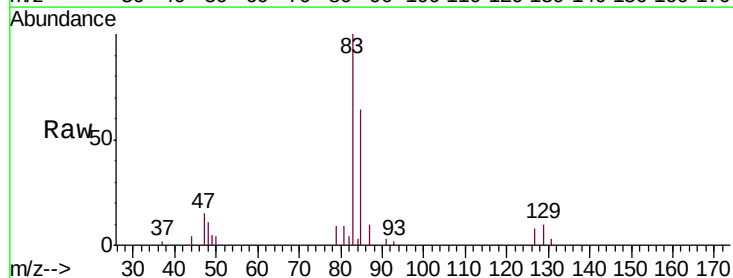
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

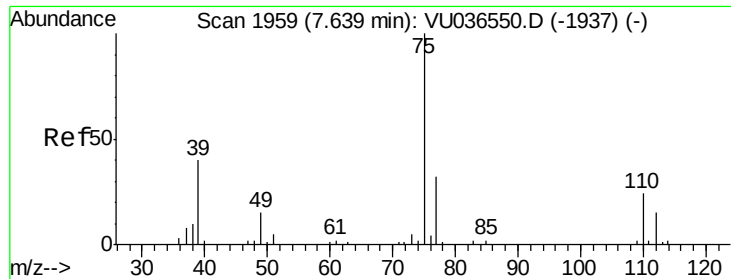
Tgt Ion: 63 Resp: 9977
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.3 4.9



#38
 Bromodichloromethane
 Concen: 1.015 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 83 Resp: 12048
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 82.9
 127 8.2 7.2 10.8

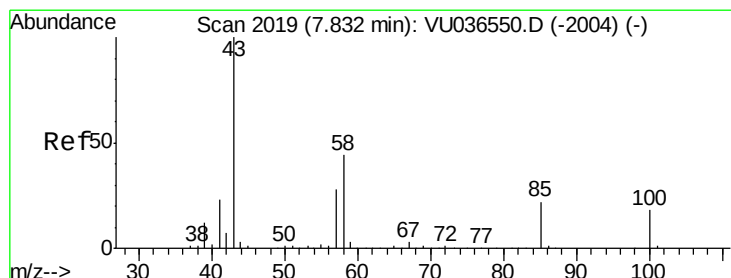
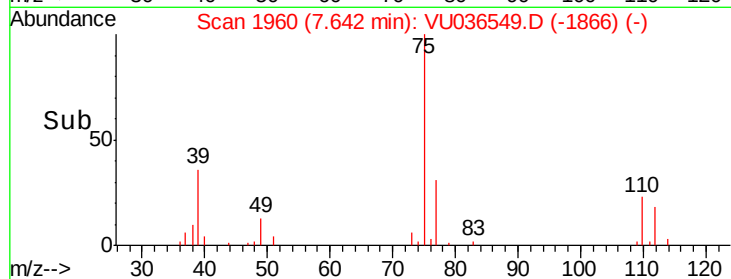
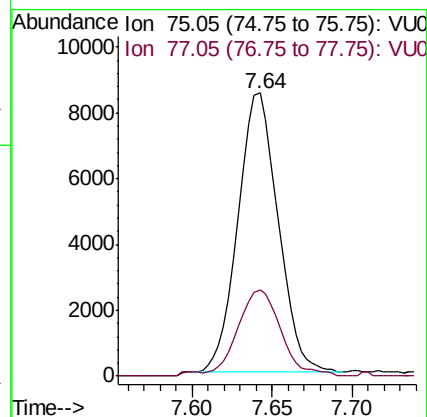
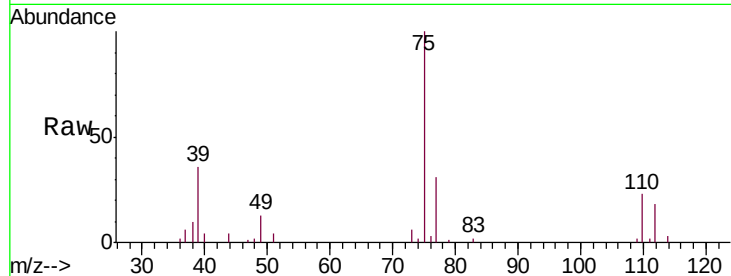




#39
 cis-1,3-Dichloropropene
 Concen: 0.980 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

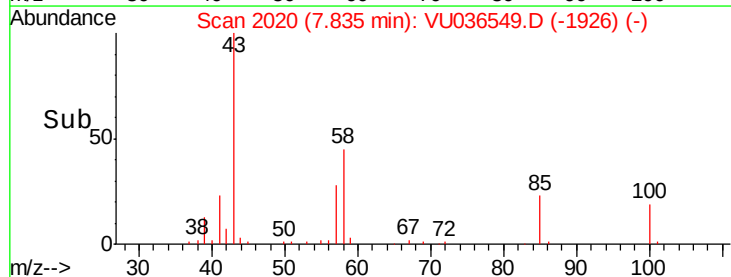
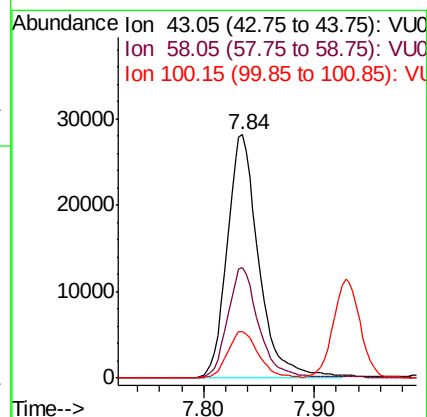
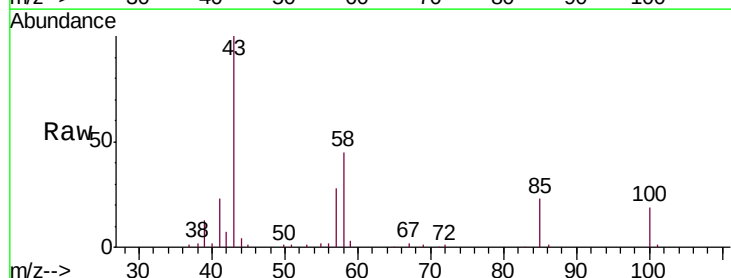
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

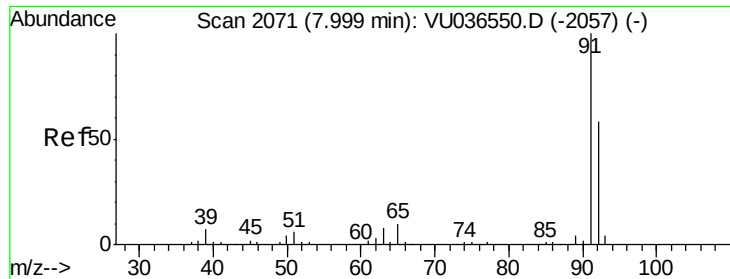
Tgt Ion: 75 Resp: 14530
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 10.415 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 43 Resp: 55962
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.6 53.4
 100 18.8 14.9 22.3





#42

Toluene

Concen: 1.029 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

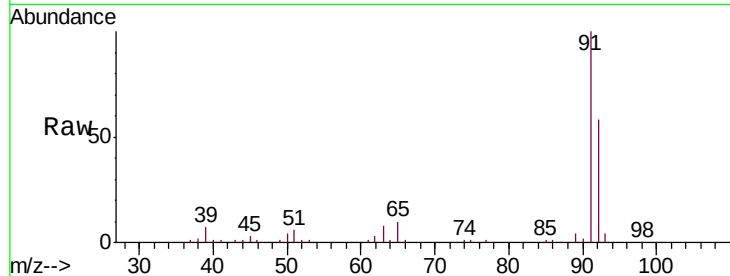
VSTD001602

Tgt Ion: 91 Resp: 43667

Ion Ratio Lower Upper

91 100

92 58.1 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) (-)

8.00

25000

20000

15000

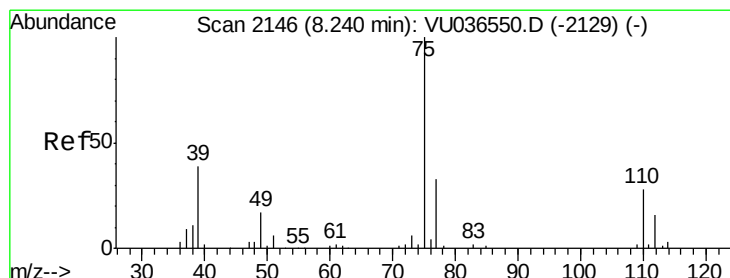
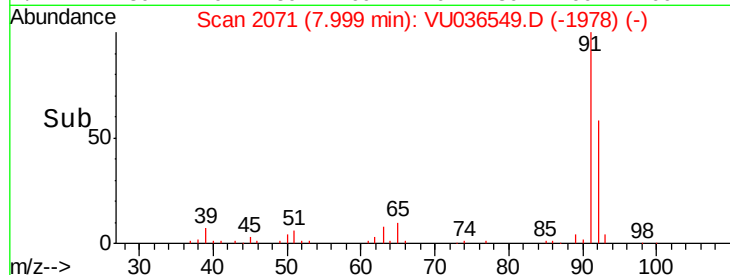
10000

5000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.010 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036549.D

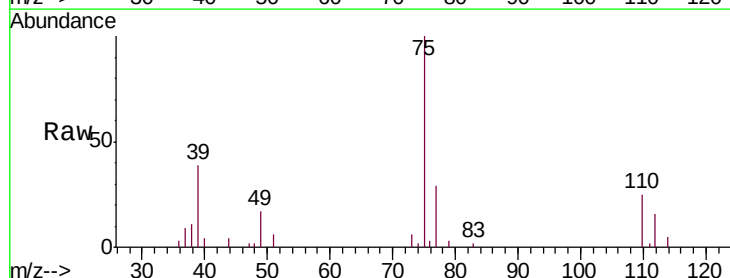
Acq: 24 Jan 2020 11:46

Tgt Ion: 75 Resp: 11630

Ion Ratio Lower Upper

75 100

77 29.1 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) (-)

8.24

6000

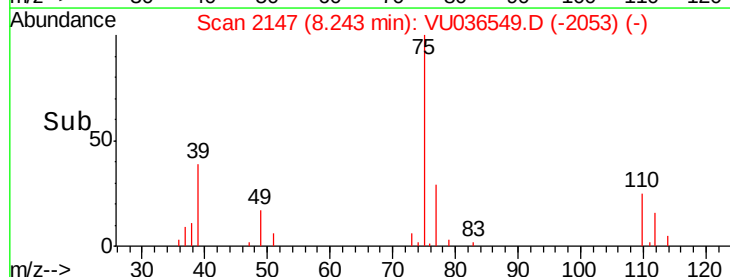
4000

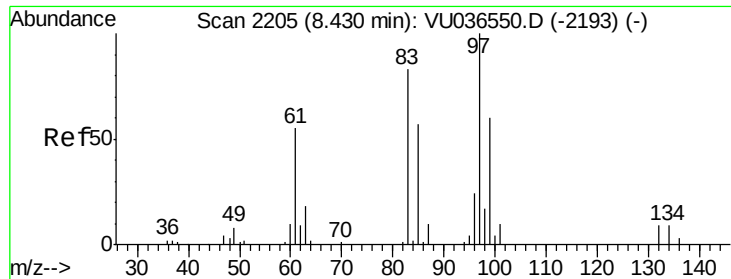
2000

0

8.20 8.25 8.30

Time-->

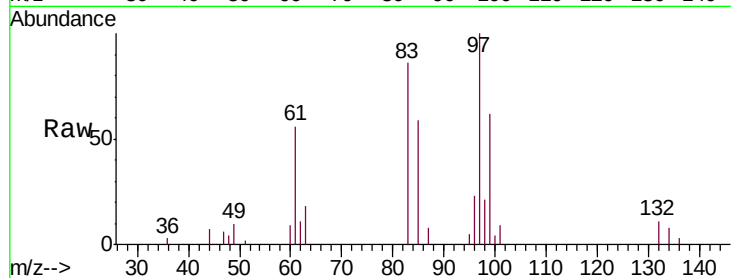




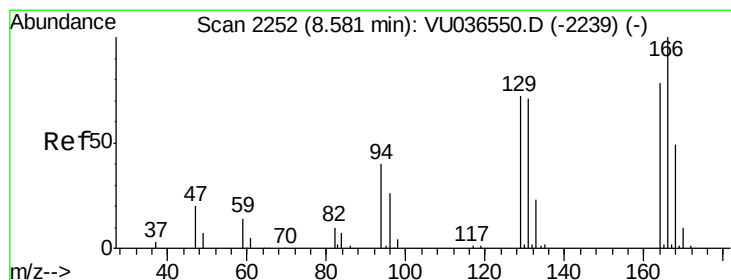
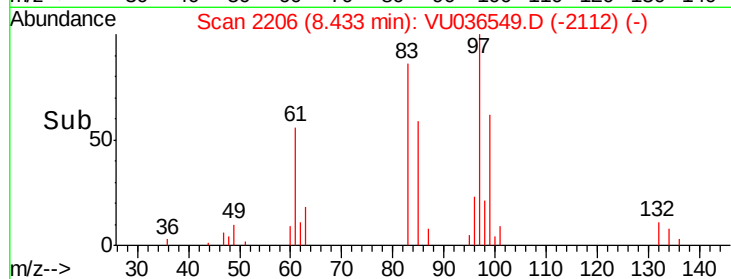
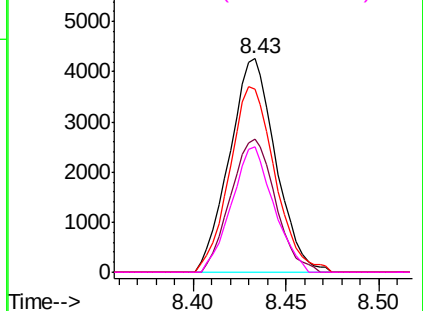
#45
 1,1,2-Trichloroethane
 Concen: 1.014 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

Tgt Ion:	97	Resp:	7367
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.1	78.3
83	85.9	58.4	108.6
85	58.8	39.6	73.6

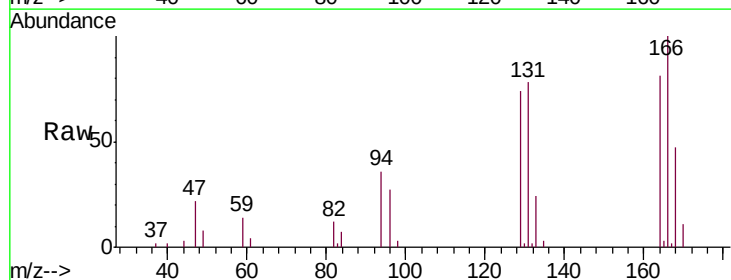


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

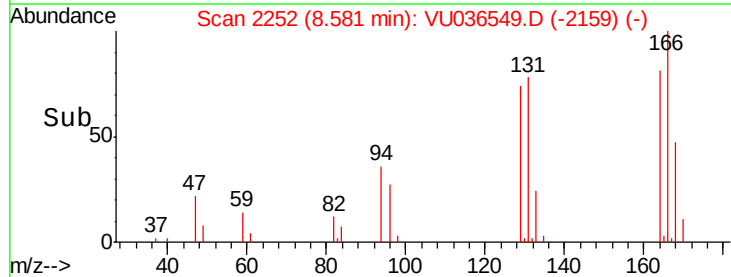
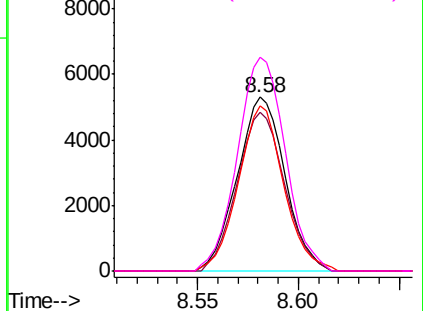


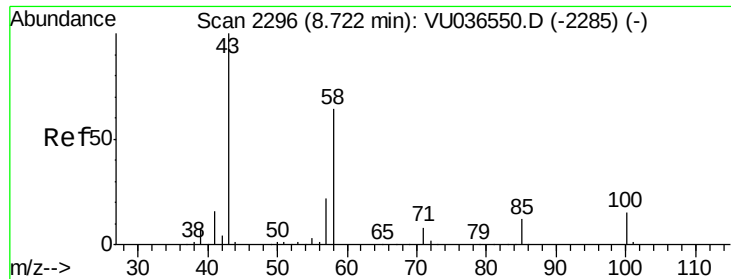
#47
 Tetrachloroethene
 Concen: 1.066 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion:	164	Resp:	8790
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.7	120.1
131	95.4	64.0	118.8
166	122.9	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

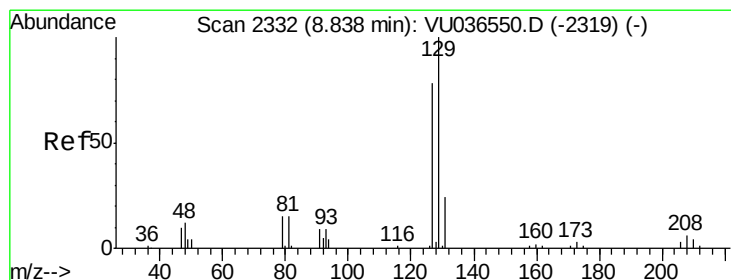
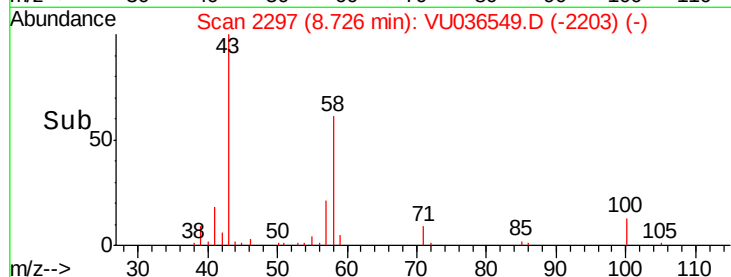
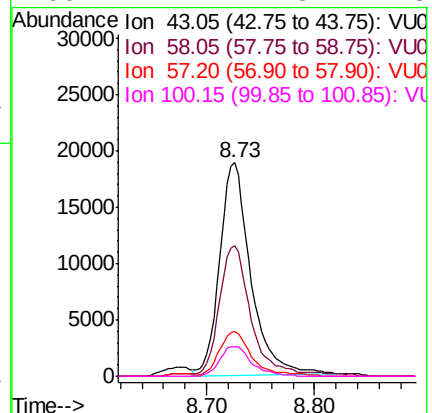
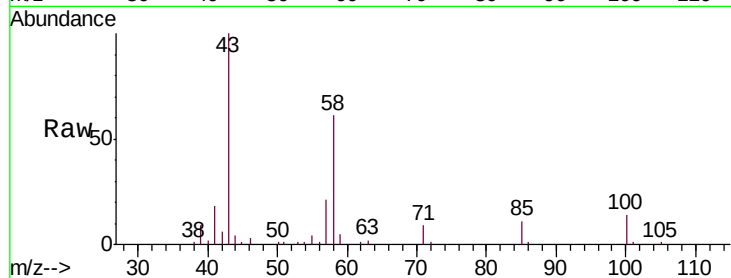




#48
2-Hexanone
Concen: 9.941 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

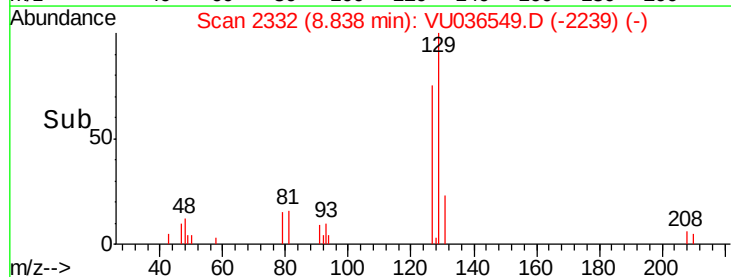
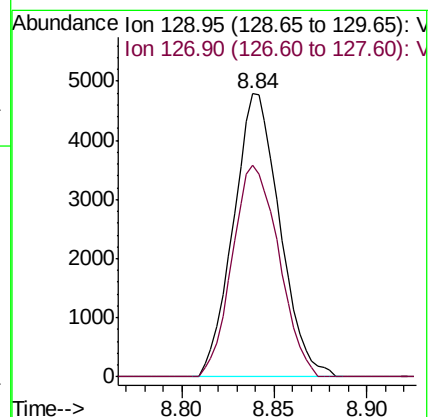
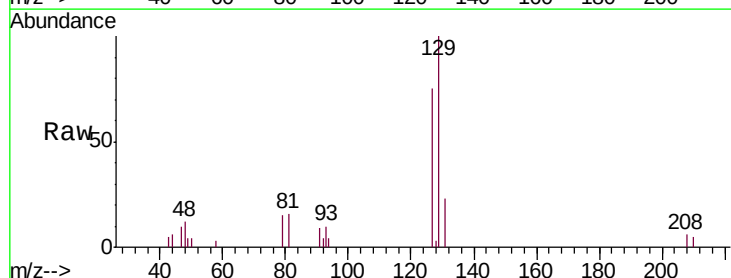
Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

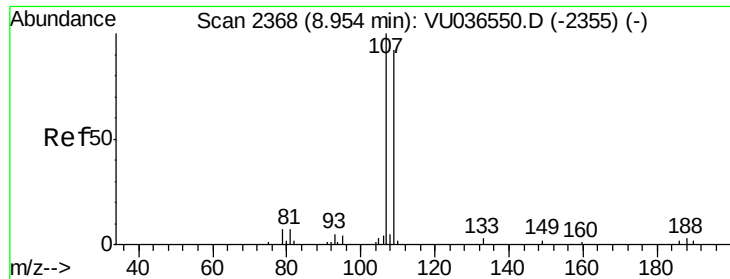
Tgt Ion: 43 Resp: 37723
Ion Ratio Lower Upper
43 100
58 59.3 50.2 75.2
57 22.3 17.5 26.3
100 14.4 11.5 17.3



#49
Dibromochloromethane
Concen: 1.013 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion: 129 Resp: 8331
Ion Ratio Lower Upper
129 100
127 75.0 54.5 101.3

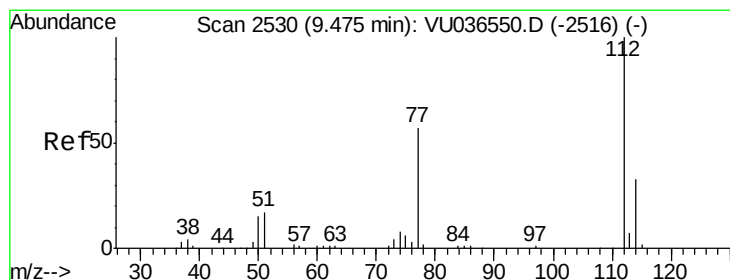
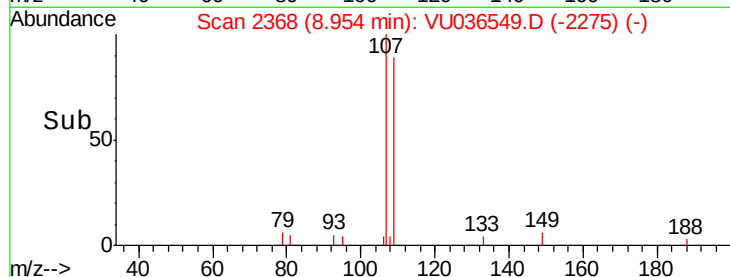
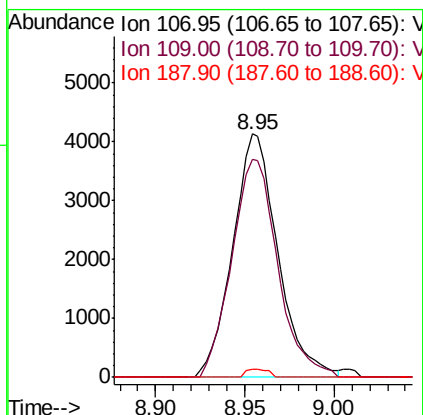
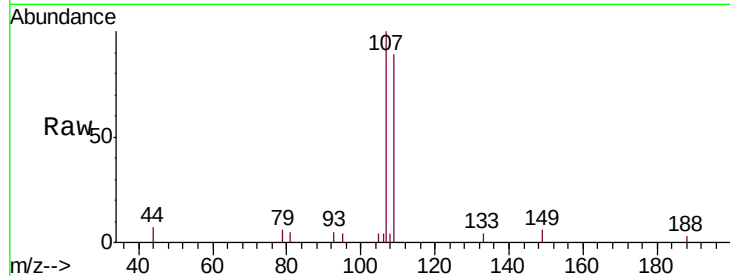




#50
1,2-Dibromoethane
Concen: 1.062 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

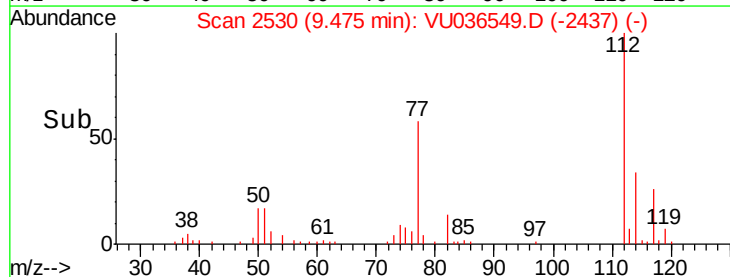
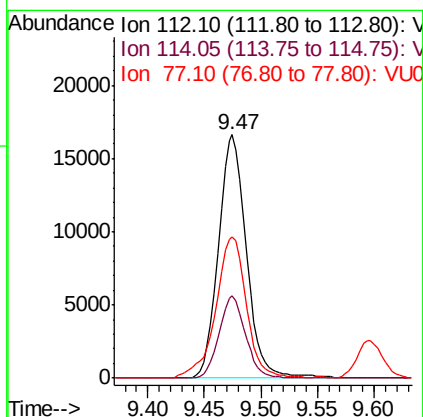
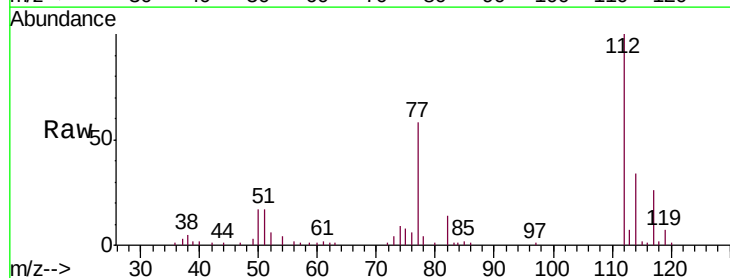
Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

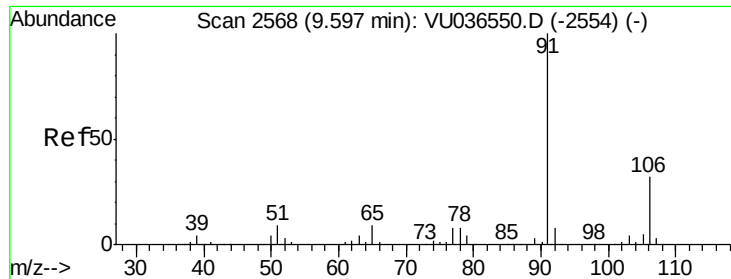
Tgt Ion:107 Resp: 7295
Ion Ratio Lower Upper
107 100
109 89.5 64.5 119.9
188 3.2 2.8 4.2



#51
Chlorobenzene
Concen: 1.048 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion:112 Resp: 28554
Ion Ratio Lower Upper
112 100
114 33.9 23.2 43.2
77 58.1 45.9 68.9





#52

Ethylbenzene

Concen: 1.035 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

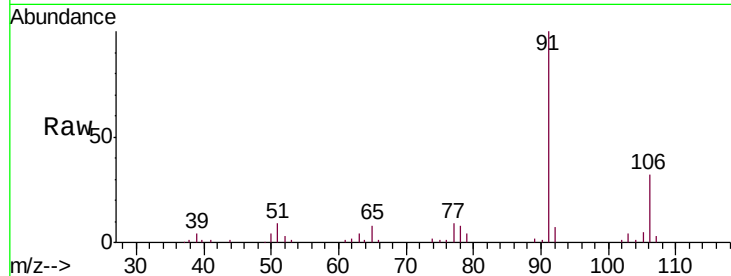
VSTD001602

Tgt Ion: 91 Resp: 48066

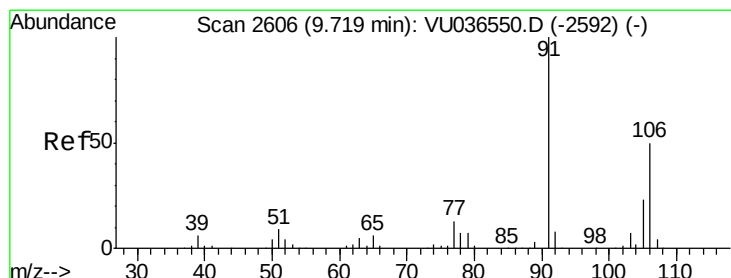
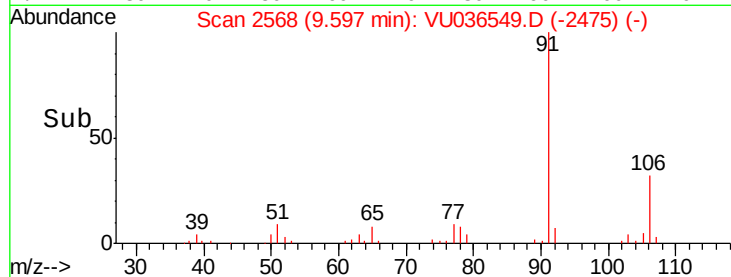
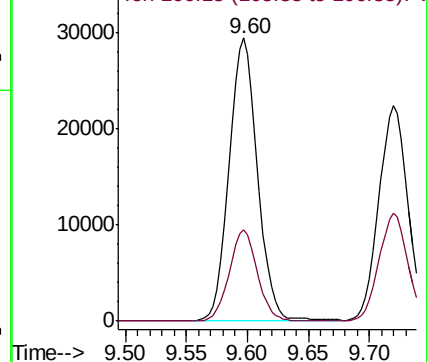
Ion Ratio Lower Upper

91 100

106 32.1 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2554) (-)



#53

m,p-Xylene

Concen: 1.009 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036549.D

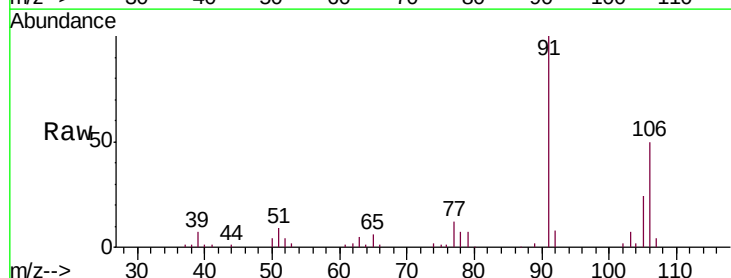
Acq: 24 Jan 2020 11:46

Tgt Ion: 106 Resp: 18352

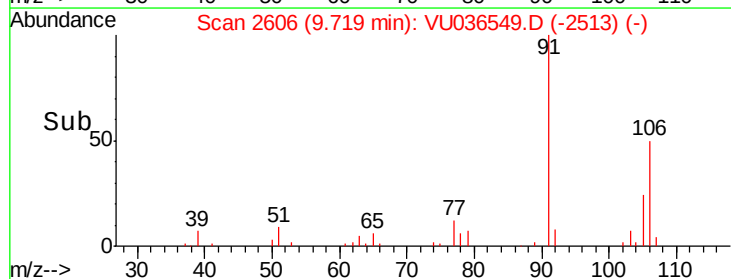
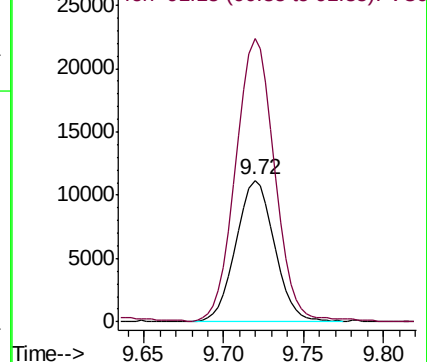
Ion Ratio Lower Upper

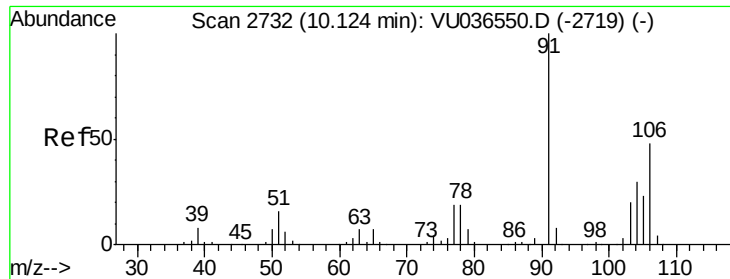
106 100

91 199.8 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036550.D (-2592) (-)

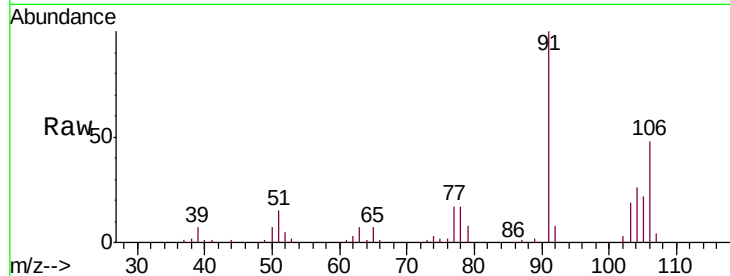




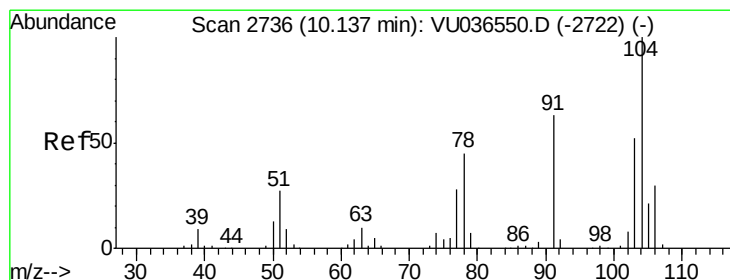
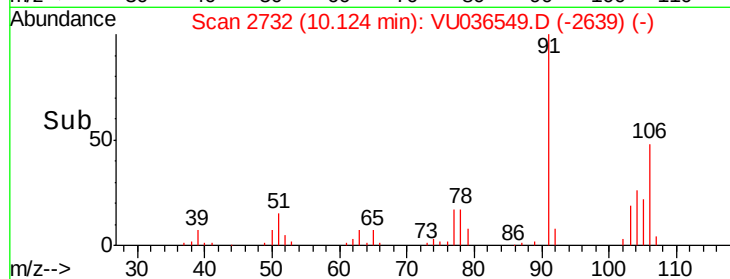
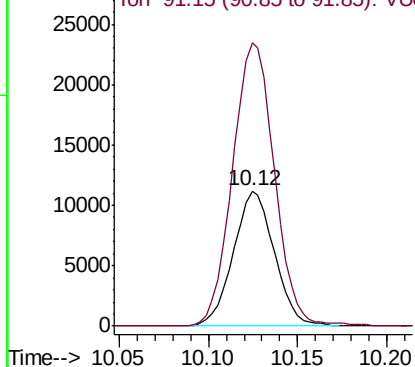
#54
o-Xylene
Concen: 1.015 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

Tgt Ion:106 Resp: 17842
Ion Ratio Lower Upper
106 100
91 209.8 146.2 271.4

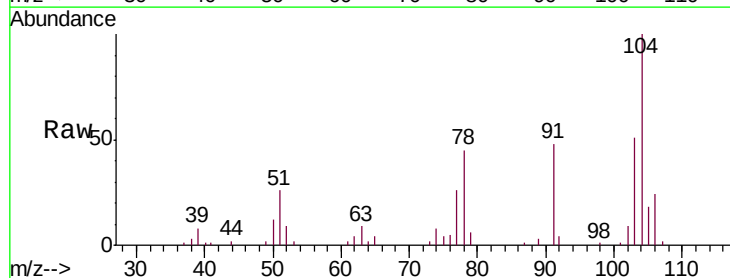


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

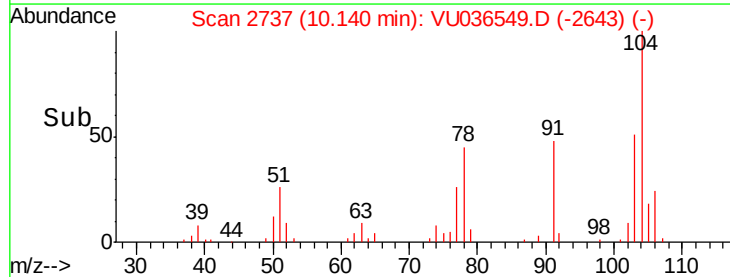
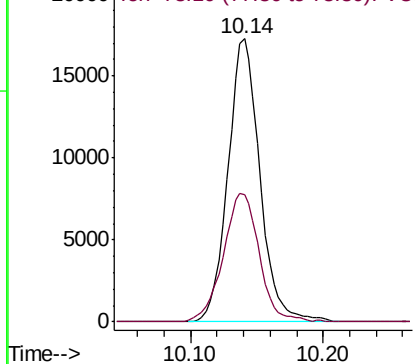


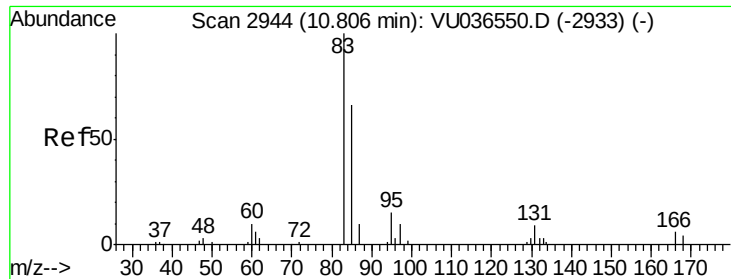
#55
Styrene
Concen: 0.988 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion:104 Resp: 28945
Ion Ratio Lower Upper
104 100
78 45.0 31.9 59.2



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

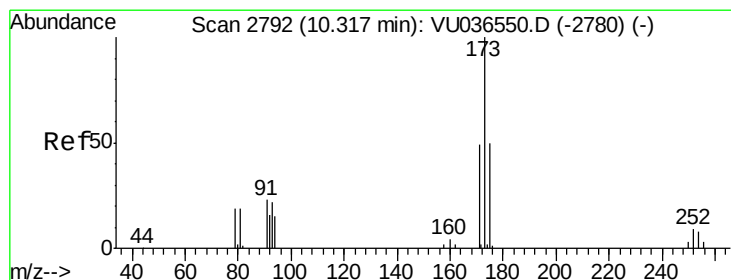
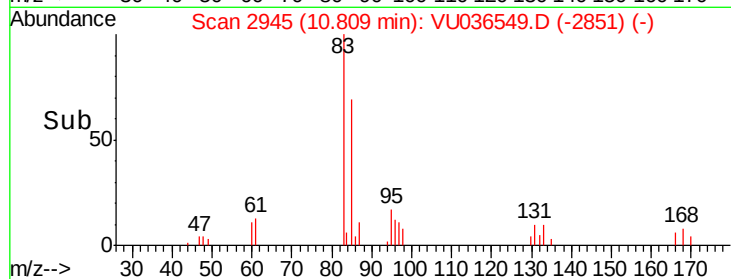
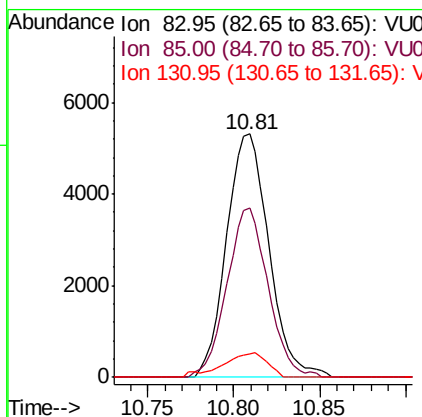
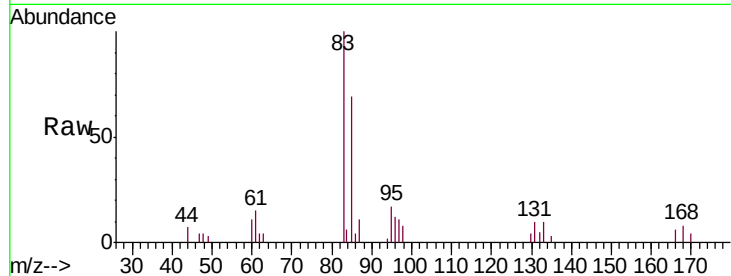




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.022 ug/L
 RT: 10.81 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

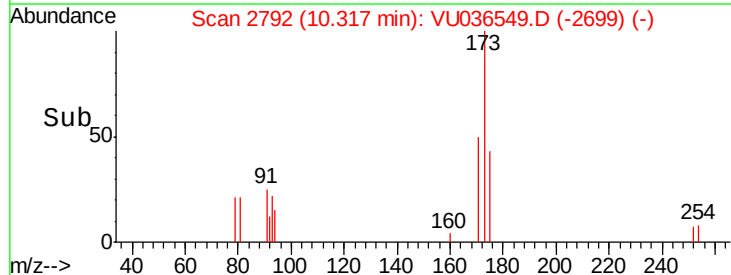
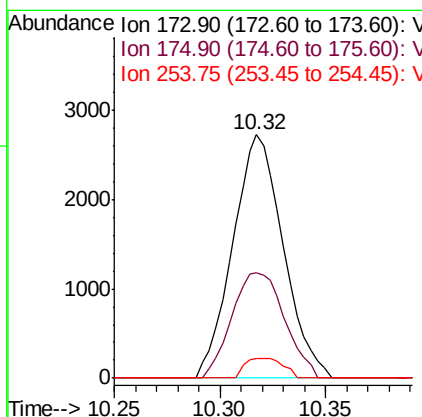
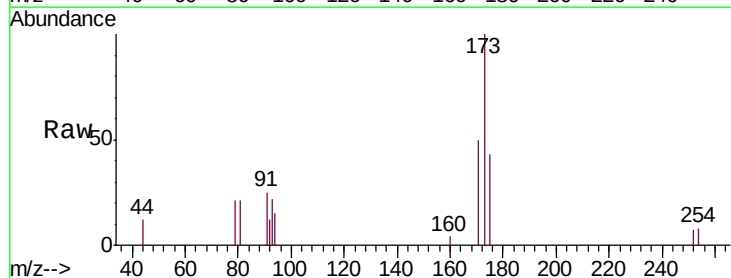
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

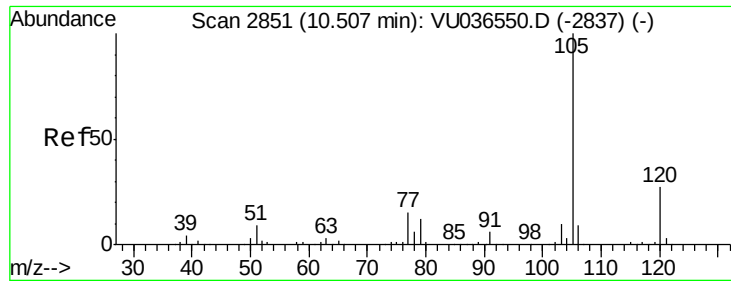
Tgt Ion: 83 Resp: 9094
 Ion Ratio Lower Upper
 83 100
 85 69.4 47.0 87.4
 131 9.7 8.1 12.1



#59
 Bromoform
 Concen: 1.016 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 173 Resp: 4520
 Ion Ratio Lower Upper
 173 100
 175 45.3 39.0 58.4
 254 6.1 6.3 9.5#





#60

Isopropylbenzene

Concen: 1.088 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD001602

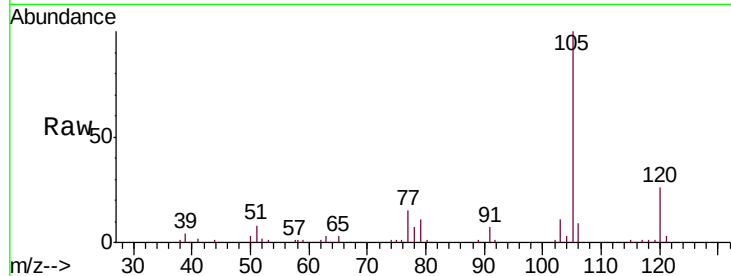
Tgt Ion: 105 Resp: 47901

Ion Ratio Lower Upper

105 100

120 25.7 21.5 32.3

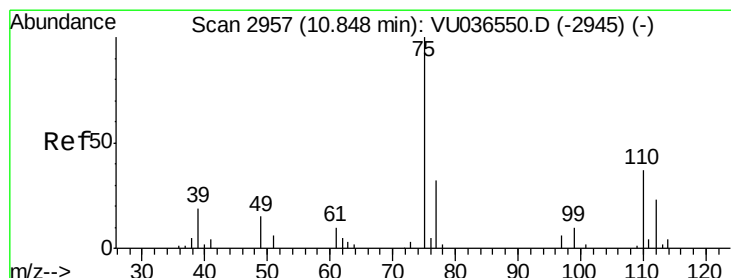
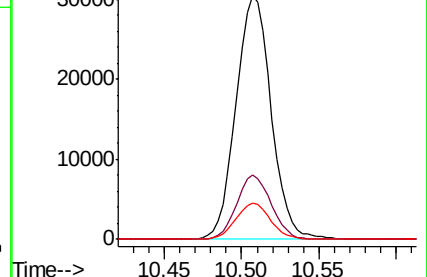
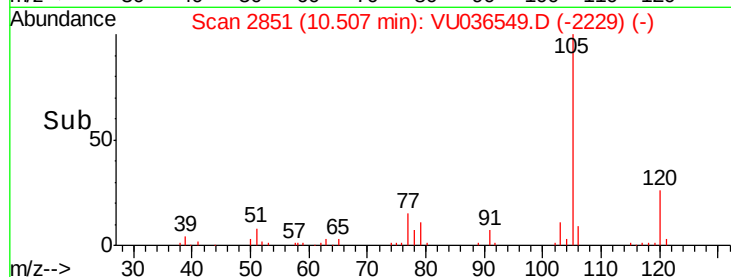
77 14.6 12.2 18.2



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: 1.110 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036549.D

Acq: 24 Jan 2020 11:46

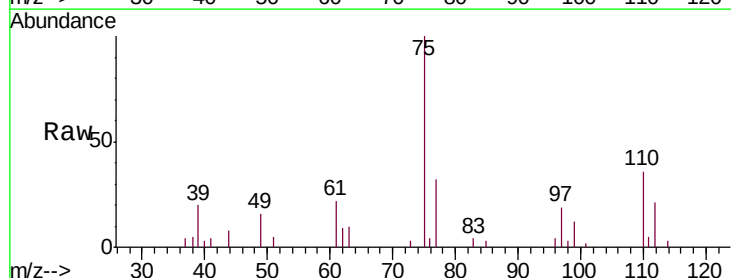
Tgt Ion: 75 Resp: 6676

Ion Ratio Lower Upper

75 100

110 36.8 29.0 43.4

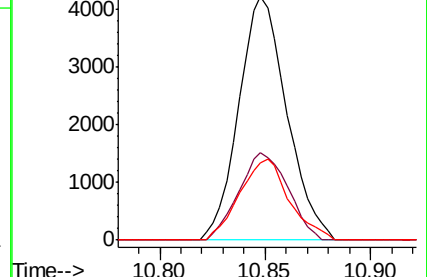
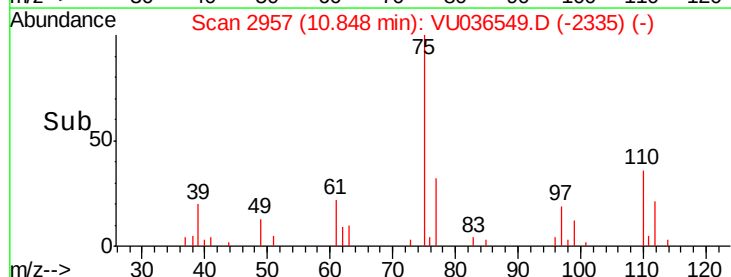
77 34.5 25.8 38.6

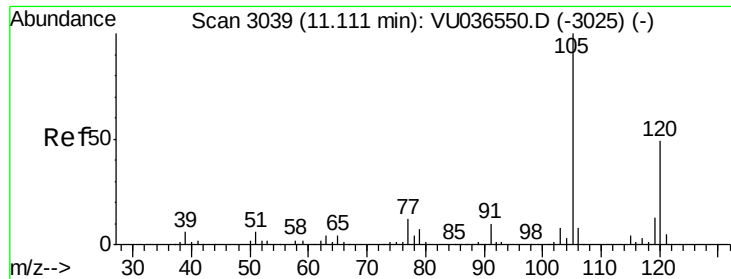


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

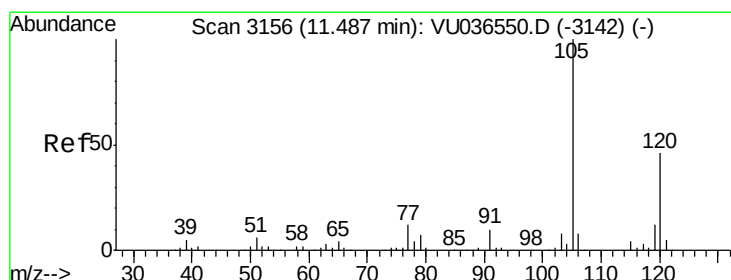
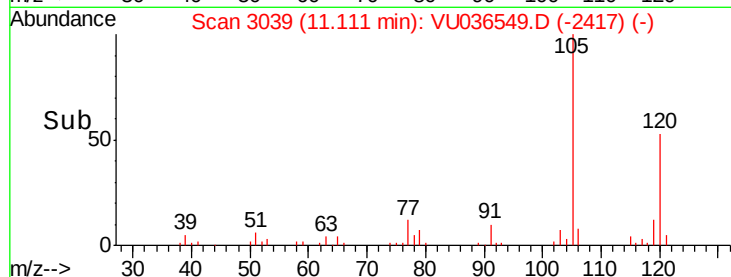
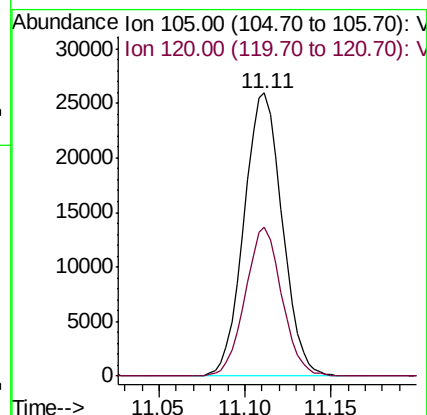
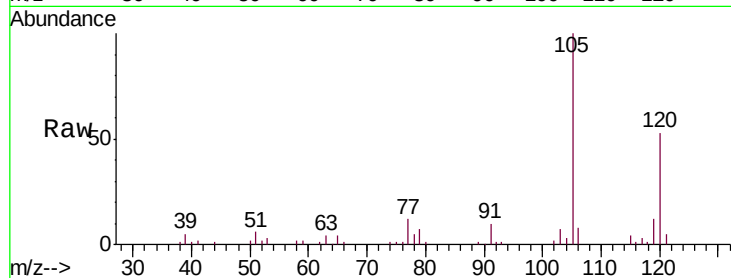




#62
 1,3,5-Trimethylbenzene
 Concen: 1.057 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

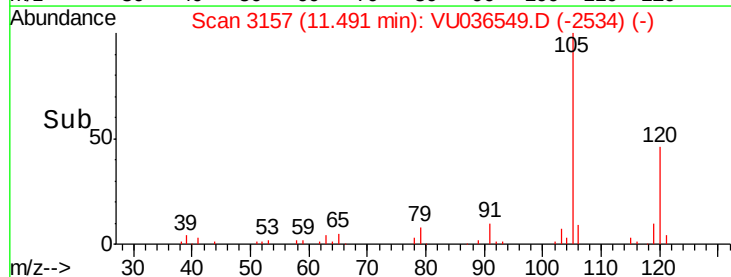
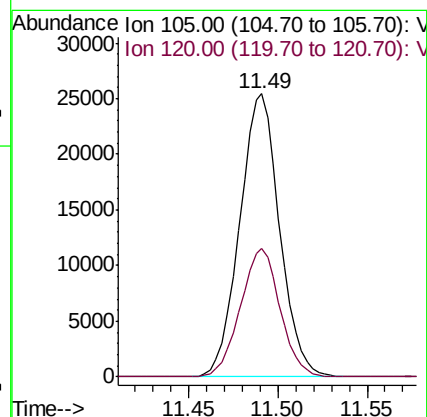
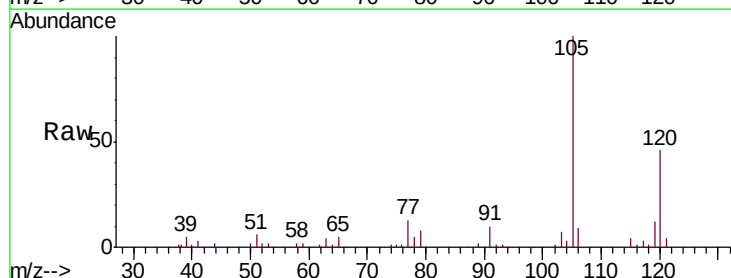
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

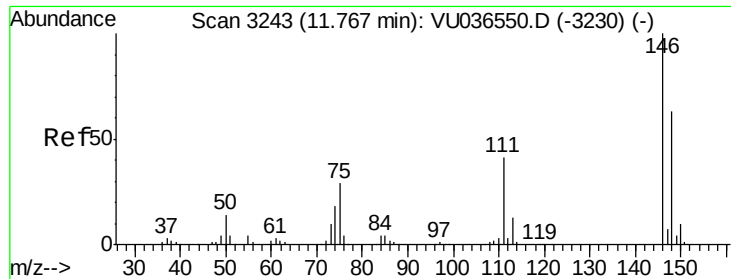
Tgt Ion:105 Resp: 40148
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.043 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion:105 Resp: 39615
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.9 55.3

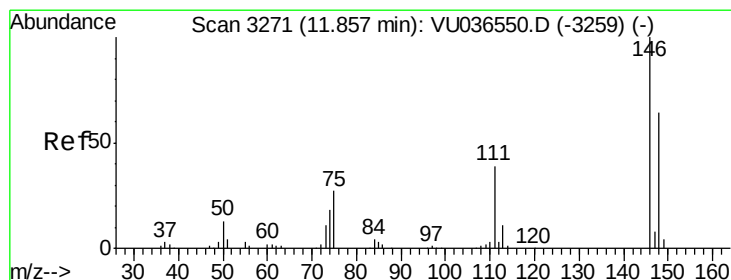
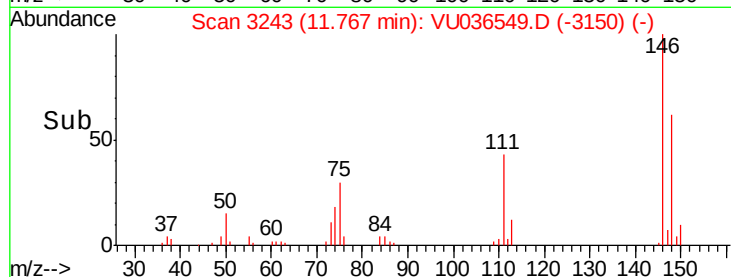
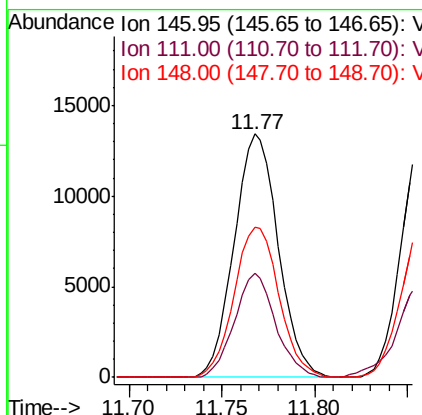
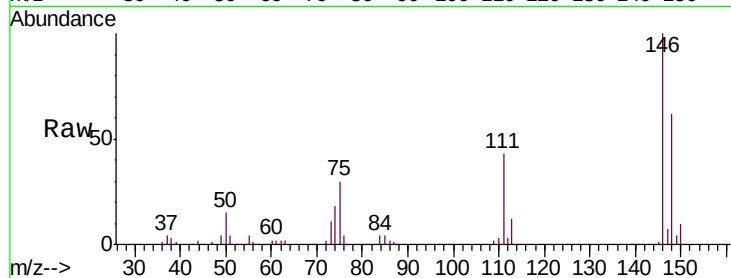




#64
 1,3-Dichlorobenzene
 Concen: 1.077 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

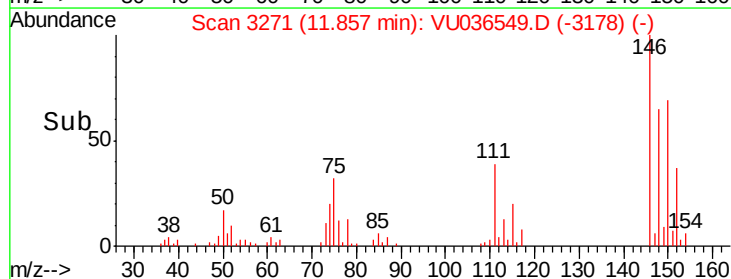
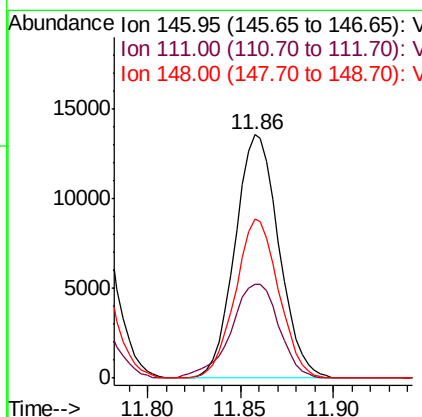
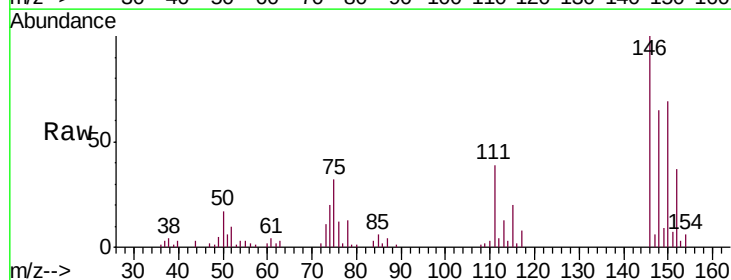
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

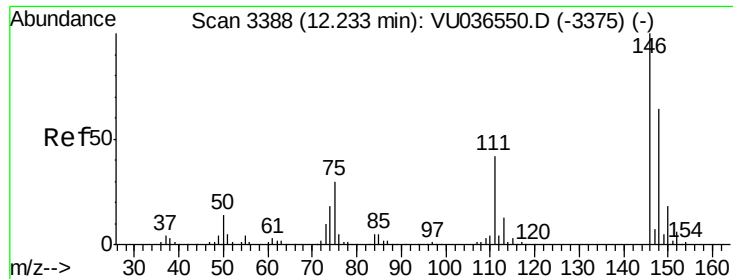
Tgt Ion:146 Resp: 22132
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.8 53.6
 148 61.5 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 1.092 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion:146 Resp: 22178
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.6
 148 65.3 44.8 83.2

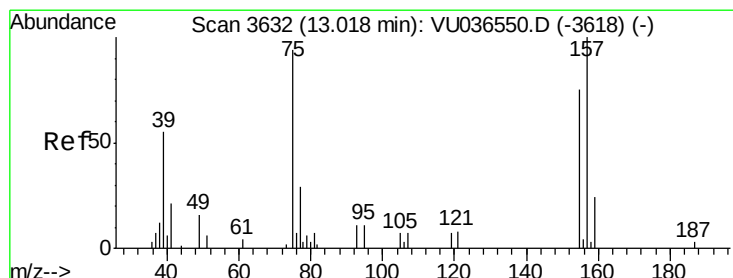
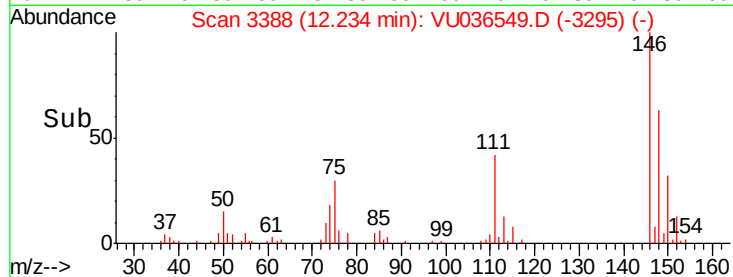
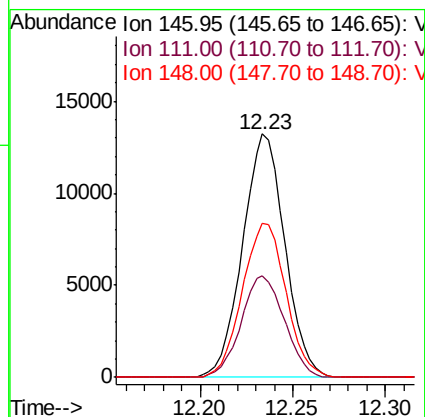
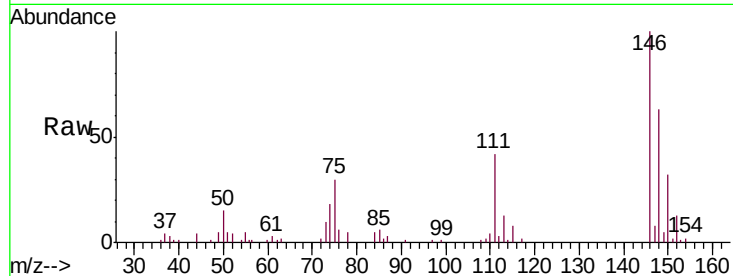




#67
 1,2-Dichlorobenzene
 Concen: 1.076 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

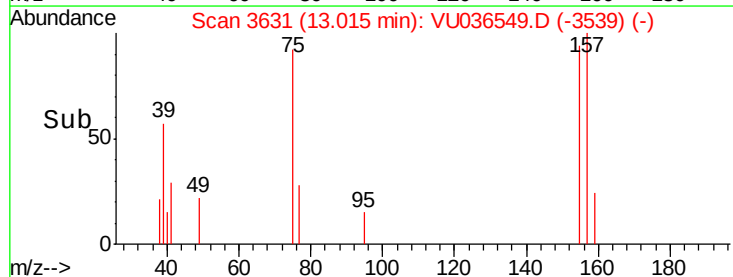
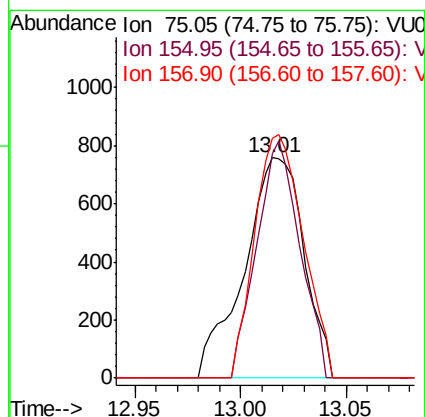
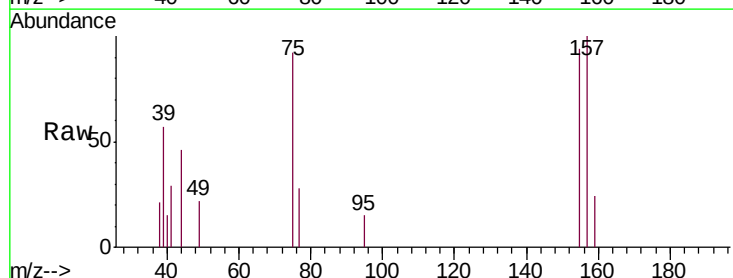
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

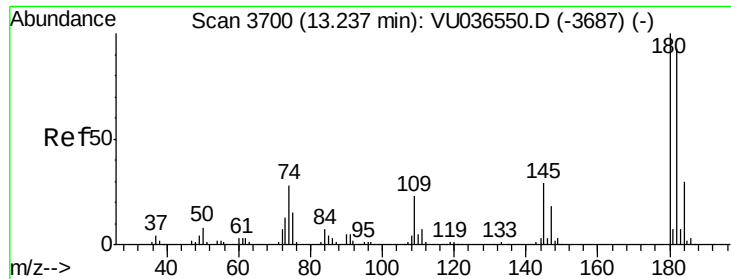
Tgt Ion:146 Resp: 20954
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.4 50.0
 148 63.4 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.154 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion: 75 Resp: 1498
 Ion Ratio Lower Upper
 75 100
 155 101.8 64.2 96.4#
 157 108.7 85.1 127.7

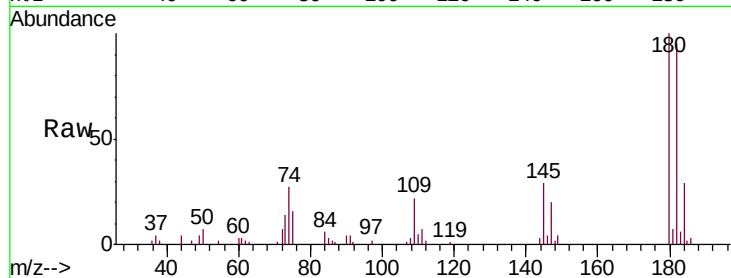




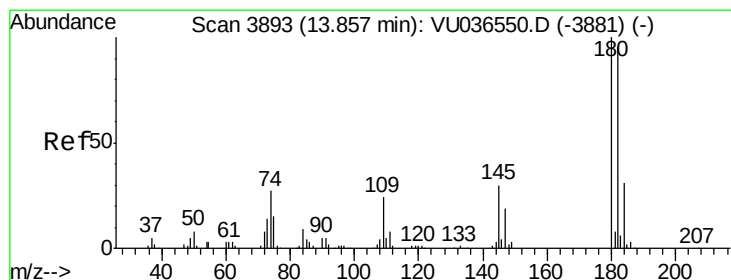
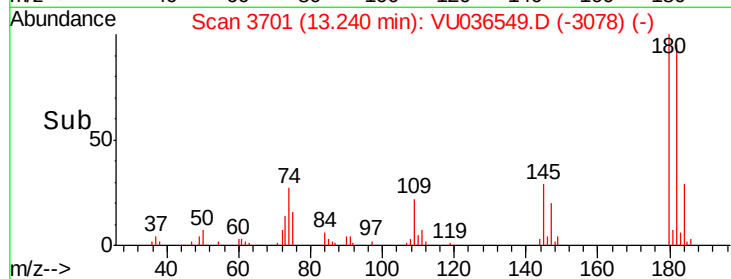
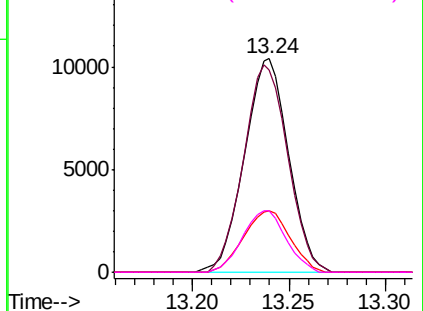
#69
 1,3,5-Trichlorobenzene
 Concen: 1.010 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001602

Tgt Ion:180 Resp: 16442
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.2 112.8
 184 30.5 23.9 35.9
 145 28.6 22.7 34.1

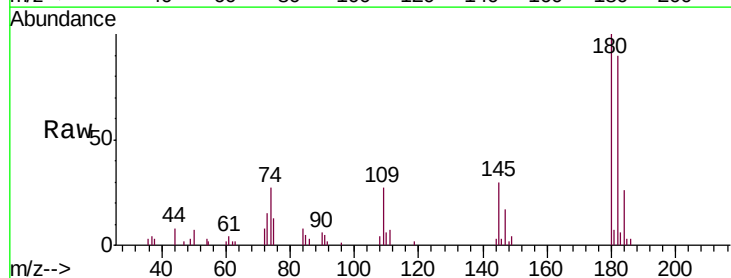


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

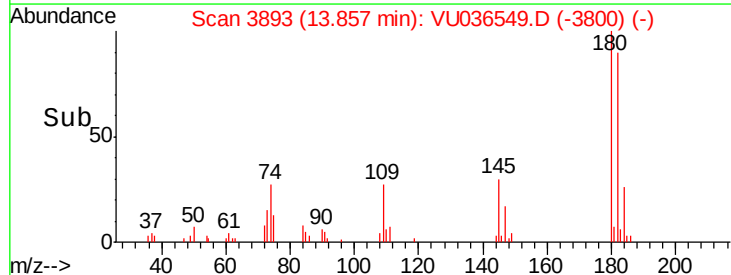
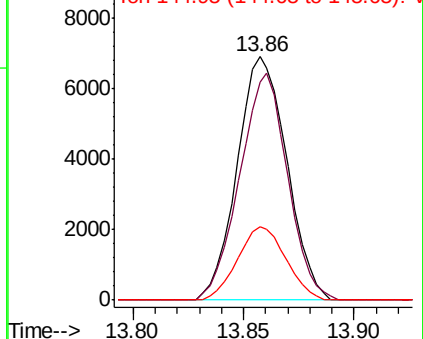


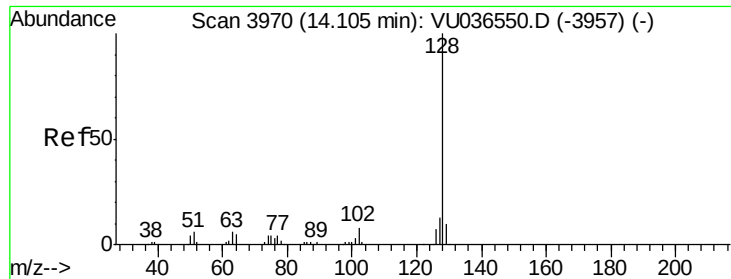
#70
 1,2,4-trichlorobenzene
 Concen: 0.899 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036549.D
 Acq: 24 Jan 2020 11:46

Tgt Ion:180 Resp: 10822
 Ion Ratio Lower Upper
 180 100
 182 89.9 76.2 114.4
 145 29.3 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

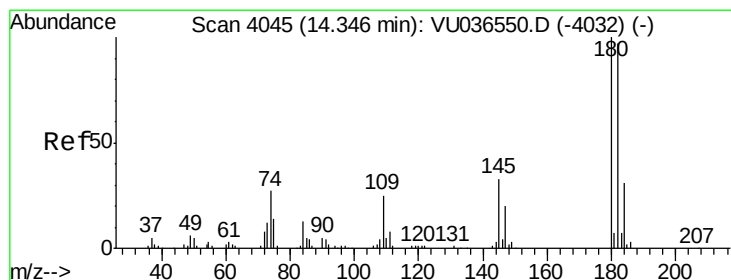
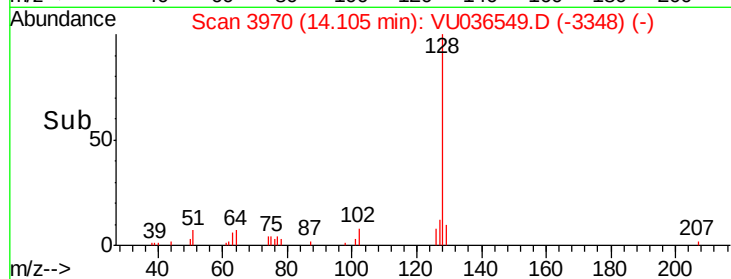
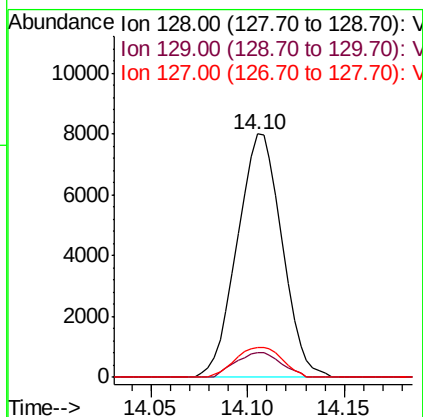
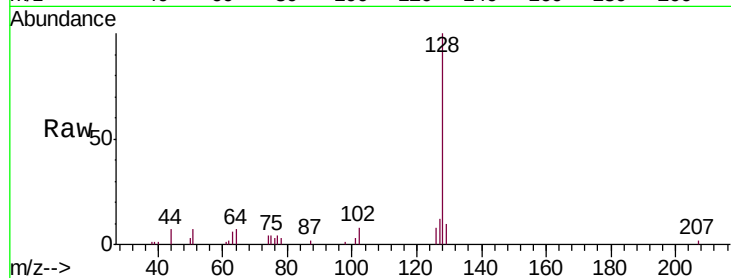




#71
Naphthalene
Concen: 0.737 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD001602

Tgt Ion:128 Resp: 12883
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 13.0 9.9 14.9



#72
1,2,3-Trichlorobenzene
Concen: 0.907 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036549.D
Acq: 24 Jan 2020 11:46

Tgt Ion:180 Resp: 9876
Ion Ratio Lower Upper
180 100
182 97.5 76.2 114.2
145 32.6 25.6 38.4

