

Data File : VU036562.D
Acq On : 27 Jan 2020 09:37
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Quant Time: Jan 28 01:12:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	153654	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	141929	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	69761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39710	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.93	69	37441	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.59	65	17123	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.69	46	108546	58.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	5.11	84	79022	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.74	65	41570	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.77	84	168142	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.73	67	51679	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	161587	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.21	79	22321	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.67	63	107987	55.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.78%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	44746	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	60989	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	57775	5.128 ug/L	99
3) Chloromethane	1.53	50	59713	5.019 ug/L	100
5) Vinyl chloride	1.62	62	65263	5.053 ug/L	100
6) Bromomethane	1.87	94	41011	5.466 ug/L	100
8) Chloroethane	1.95	64	38695	4.844 ug/L	93
9) Trichlorofluoromethane	2.16	101	76915	5.120 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	47759	5.156 ug/L	98
12) 1,1-Dichloroethene	2.61	96	46742	5.089 ug/L	90
13) Acetone	2.68	43	71781	51.726 ug/L	96
14) Carbon disulfide	2.82	76	149052	5.159 ug/L	100
15) Methyl Acetate	2.99	43	17420	4.911 ug/L	100
16) Methylene chloride	3.08	84	55076	4.408 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	120609	5.229 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	50162	5.084 ug/L	99
19) 1,1-Dichloroethane	3.92	63	86776	5.041 ug/L	99
21) 2-Butanone	4.77	43	119703	53.344 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	55519	5.044 ug/L	98

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Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Quant Time: Jan 28 01:12:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	24856	5.365	ug/L	96
25) Chloroform	5.13	83	87085	5.075	ug/L	97
27) 1,2-Dichloroethane	5.84	62	54696	5.083	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	72518	5.117	ug/L	99
30) Cyclohexane	5.43	56	81933	5.066	ug/L	99
31) Carbon tetrachloride	5.57	117	62969	5.239	ug/L	100
33) Benzene	5.81	78	204572	5.129	ug/L	100
34) Trichloroethene	6.58	95	53929	5.105	ug/L	97
35) Methylcyclohexane	6.80	83	94325	5.211	ug/L	99
37) 1,2-Dichloropropane	6.83	63	51605	5.203	ug/L	100
38) Bromodichloromethane	7.14	83	64014	5.283	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	82701	5.406	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	299731	53.734	ug/L	99
42) Toluene	8.00	91	221853	5.037	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	63977	5.434	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	37930	5.169	ug/L	95
47) Tetrachloroethene	8.58	164	43988	5.114	ug/L	98
48) 2-Hexanone	8.72	43	212103	55.116	ug/L	98
49) Dibromochloromethane	8.84	129	45273	5.391	ug/L	99
50) 1,2-Dibromoethane	8.95	107	37517	5.251	ug/L	99
51) Chlorobenzene	9.47	112	142661	5.043	ug/L	99
52) Ethylbenzene	9.60	91	242454	5.055	ug/L	98
53) m,p-Xylene	9.72	106	94859	5.098	ug/L	99
54) o-Xylene	10.12	106	94044	5.158	ug/L	100
55) Styrene	10.14	104	153237	5.120	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	49077	5.335	ug/L	97
59) Bromoform	10.32	173	25794	5.503	ug/L	99
60) Isopropylbenzene	10.51	105	244624	5.188	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	34681	5.341	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	213027	5.271	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	209264	5.218	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	114396	5.203	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	112145	5.097	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	108365	5.160	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.02	75	7510	5.458	ug/L	91
69) 1,3,5-Trichlorobenzene	13.24	180	88246	5.224	ug/L	99
70) 1,2,4-trichlorobenzene	13.86	180	63751	5.193	ug/L	99
71) Naphthalene	14.10	128	93034	5.313	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	58537	5.275	ug/L	99

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

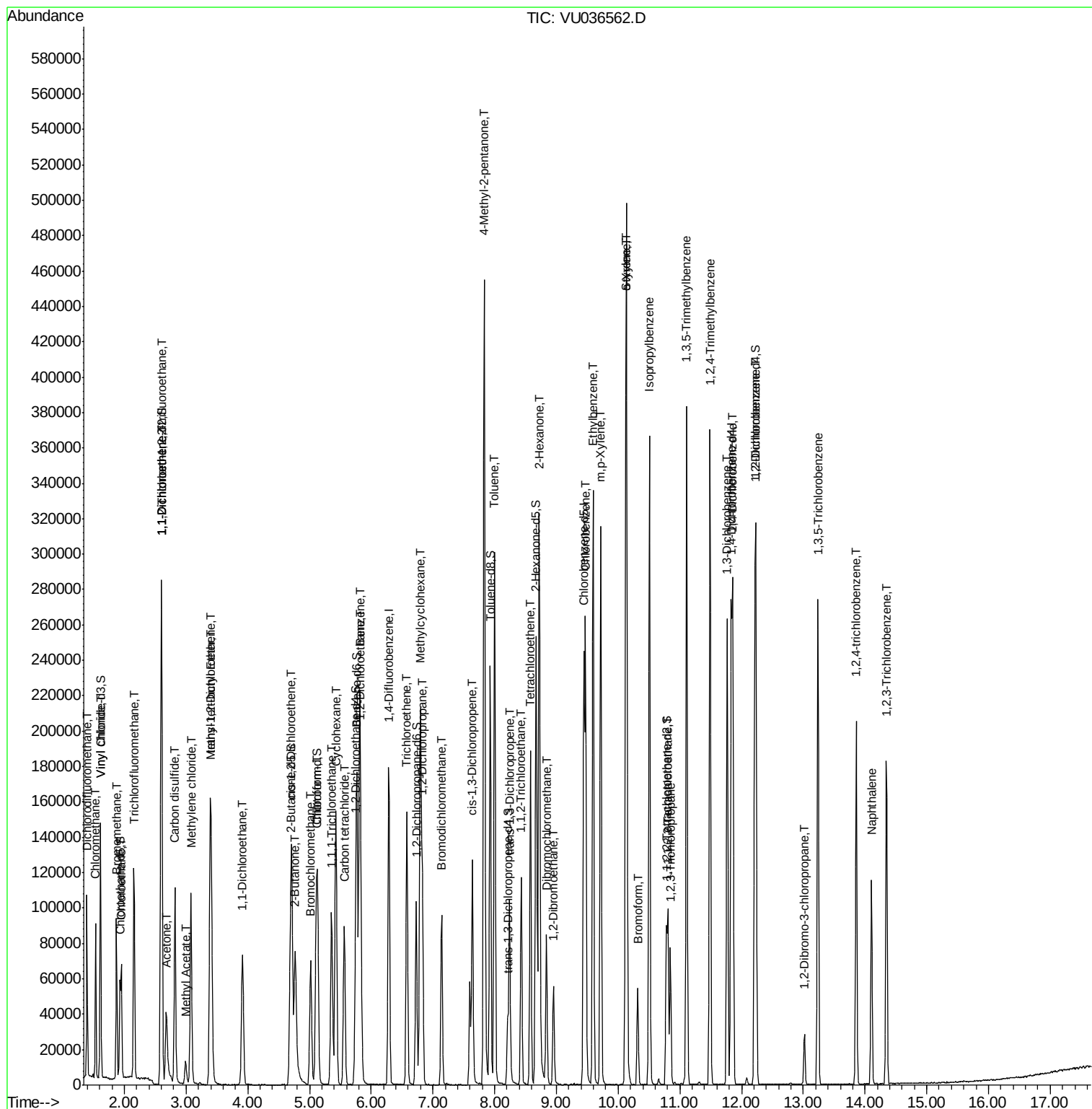
Quant Time: Jan 28 01:12:41 2020

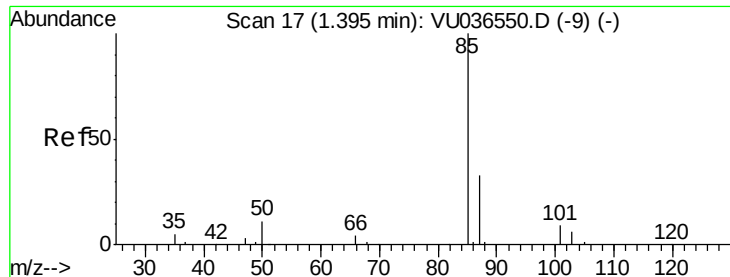
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jan 24 23:19:07 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.128 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

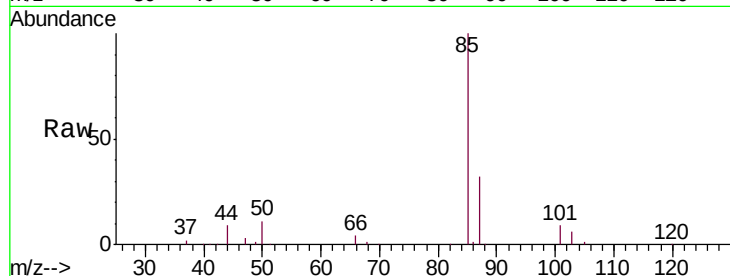
VSTD005608

Tgt Ion: 85 Resp: 57775

Ion Ratio Lower Upper

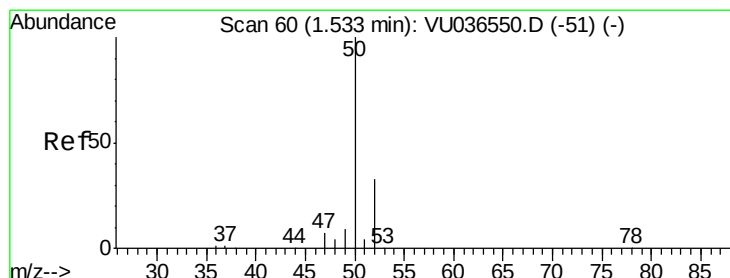
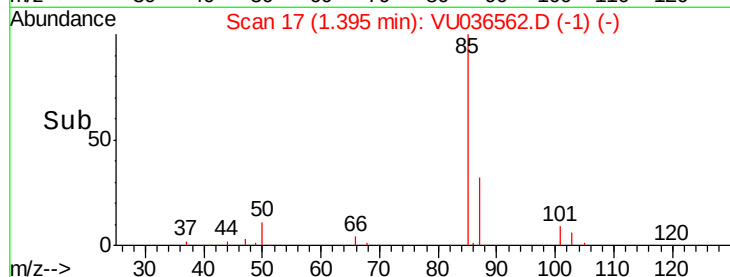
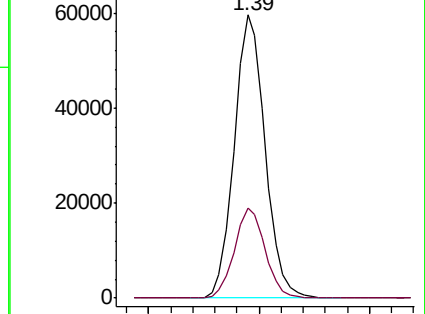
85 100

87 31.8 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: 5.019 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU036562.D

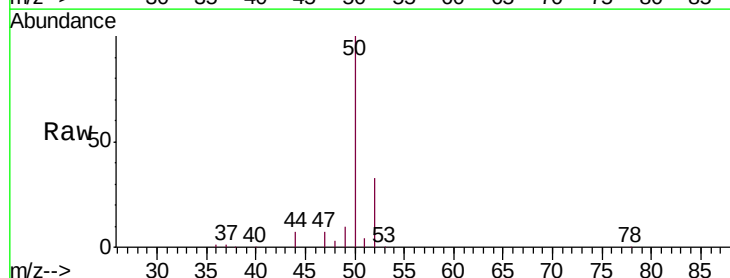
Acq: 27 Jan 2020 09:37

Tgt Ion: 50 Resp: 59713

Ion Ratio Lower Upper

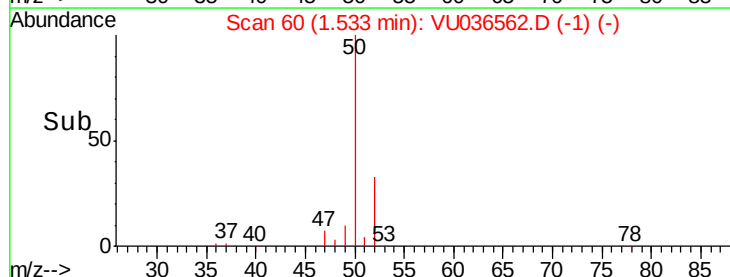
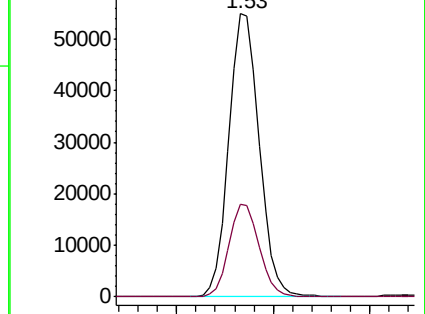
50 100

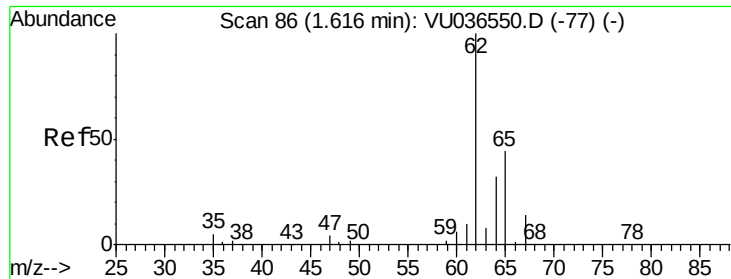
52 32.6 22.7 42.3



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: 5.053 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

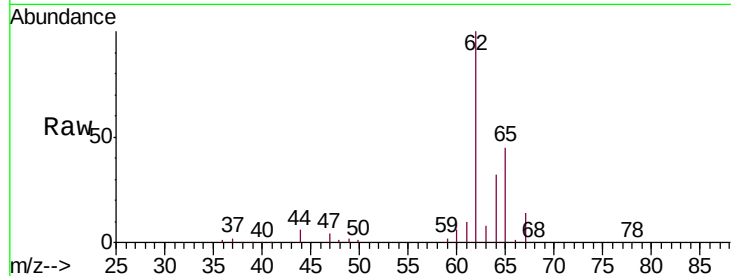
VSTD005608

Tgt Ion: 62 Resp: 65263

Ion Ratio Lower Upper

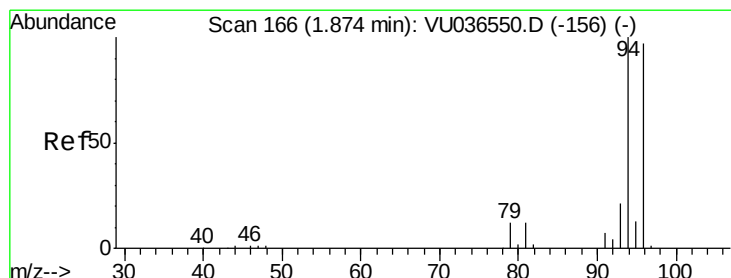
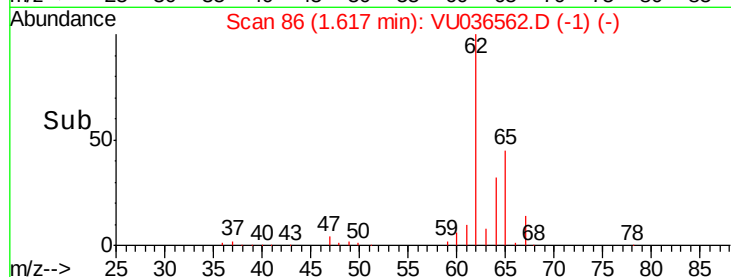
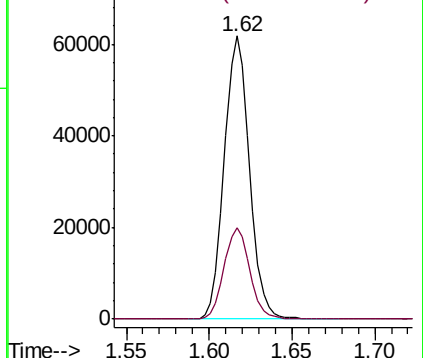
62 100

64 32.3 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.466 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036562.D

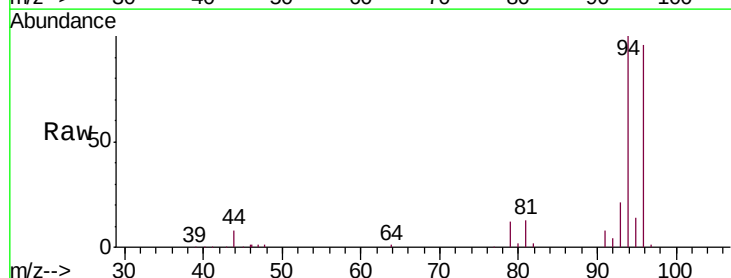
Acq: 27 Jan 2020 09:37

Tgt Ion: 94 Resp: 41011

Ion Ratio Lower Upper

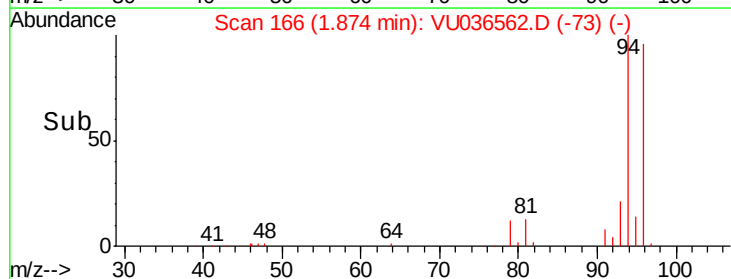
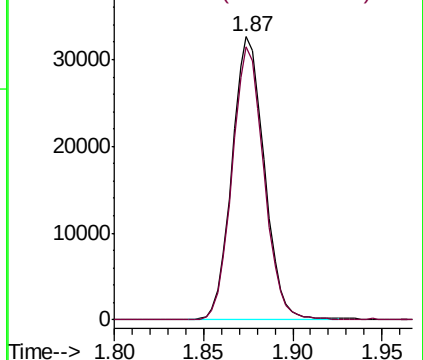
94 100

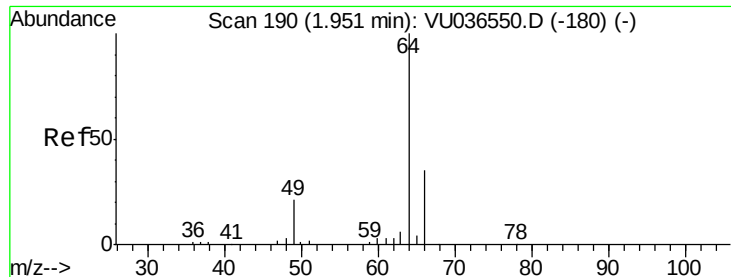
96 96.3 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.844 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

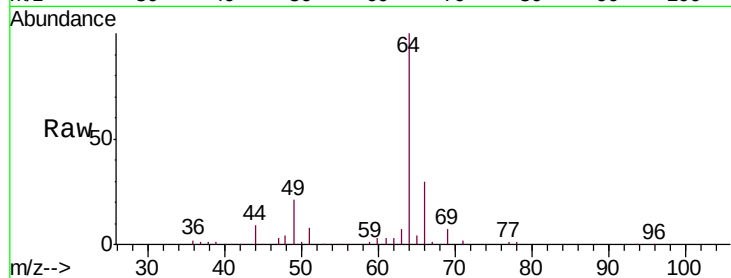
VSTD005608

Tgt Ion: 64 Resp: 38695

Ion Ratio Lower Upper

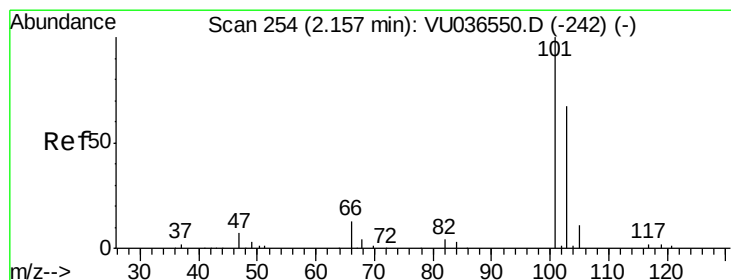
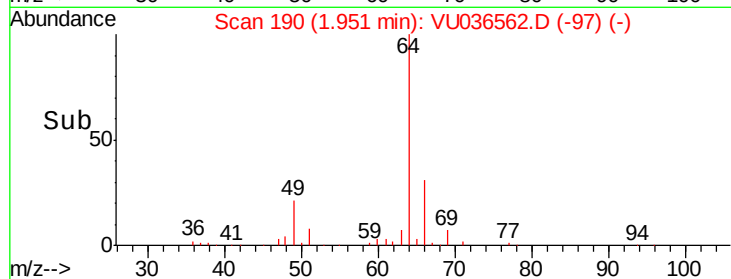
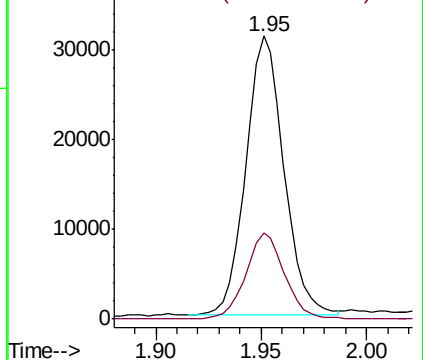
64 100

66 30.4 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: 5.120 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036562.D

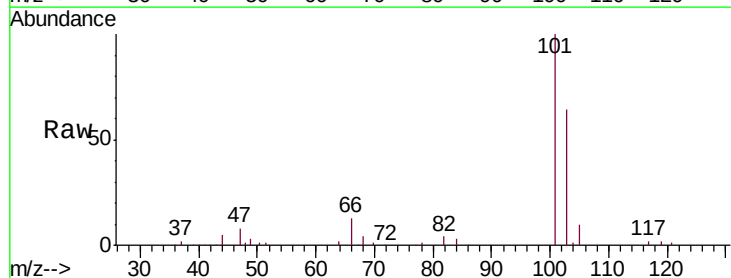
Acq: 27 Jan 2020 09:37

Tgt Ion: 101 Resp: 76915

Ion Ratio Lower Upper

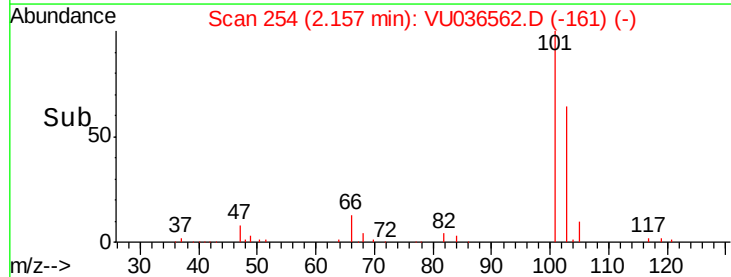
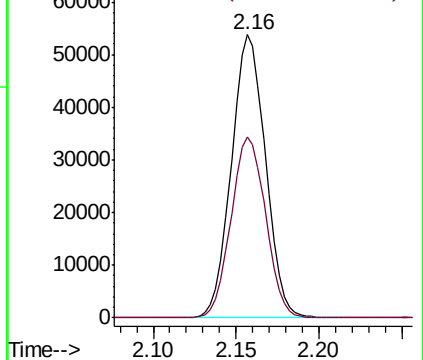
101 100

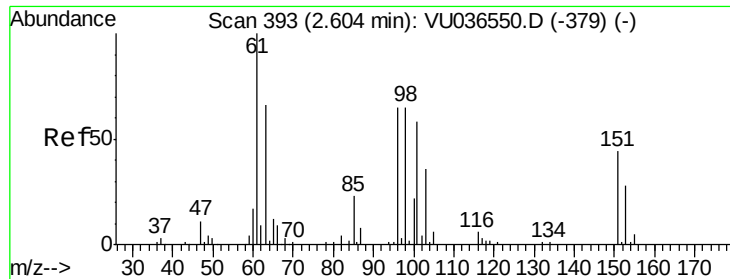
103 64.8 52.5 78.7



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: 5.156 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005608

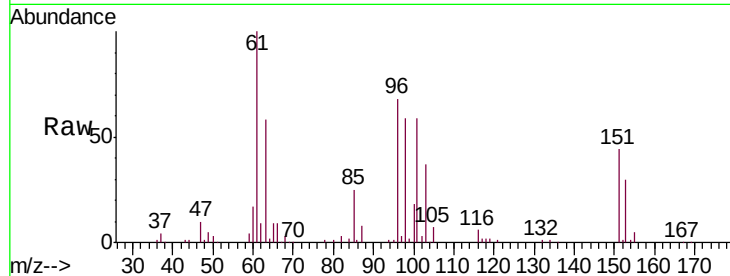
Tgt Ion: 101 Resp: 47759

Ion Ratio Lower Upper

101 100

85 41.7 32.2 48.4

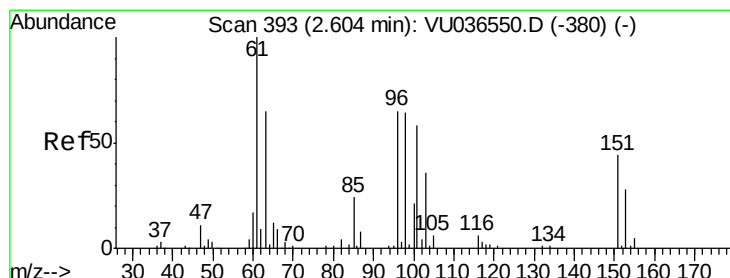
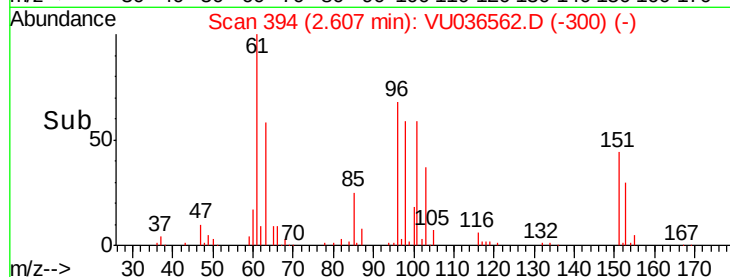
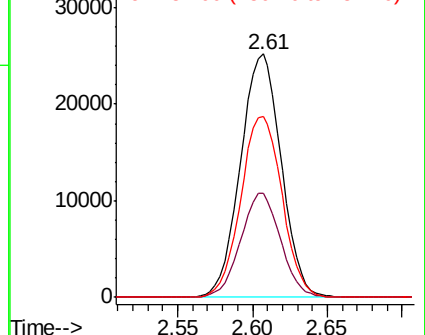
151 75.1 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.089 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

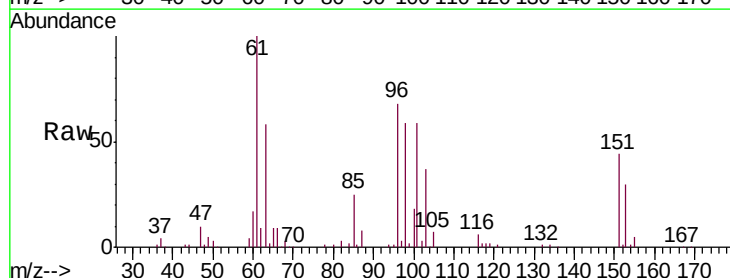
Tgt Ion: 96 Resp: 46742

Ion Ratio Lower Upper

96 100

61 147.6 108.2 201.0

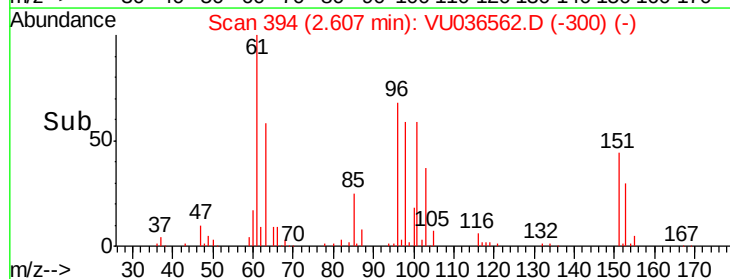
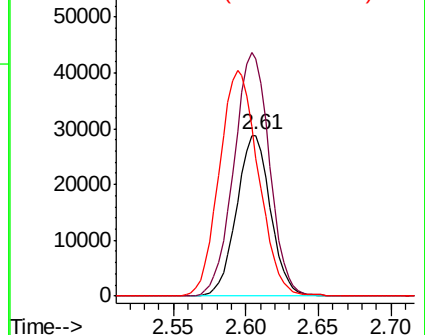
63 85.7 72.0 133.8

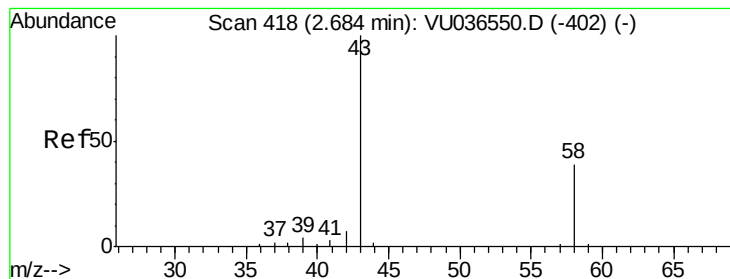


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.726 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

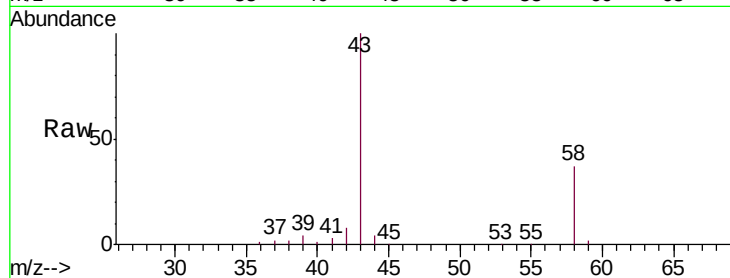
VSTD005608

Tgt Ion: 43 Resp: 71781

Ion Ratio Lower Upper

43 100

58 34.8 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036550.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036550.D (-402) (-)

2.68

25000

20000

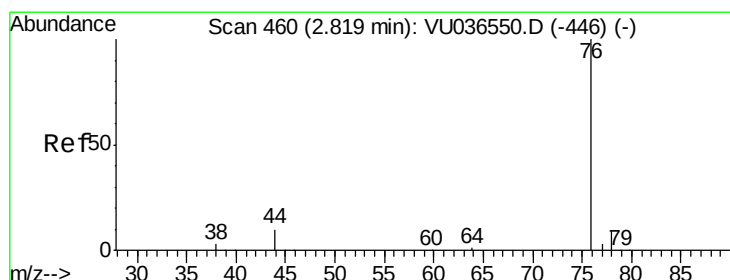
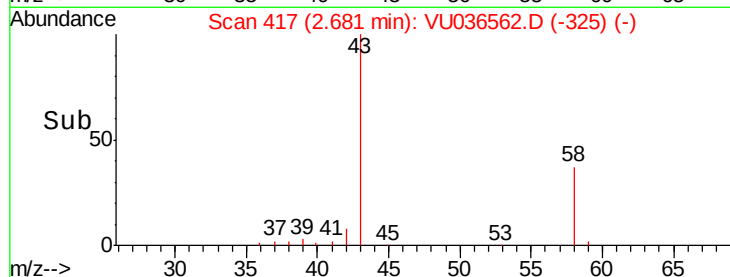
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.159 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036562.D

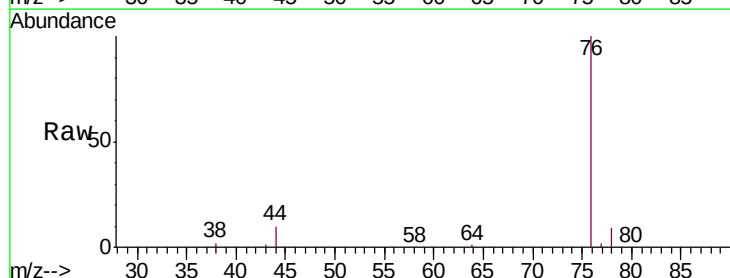
Acq: 27 Jan 2020 09:37

Tgt Ion: 76 Resp: 149052

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036550.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036550.D (-446) (-)

2.82

100000

80000

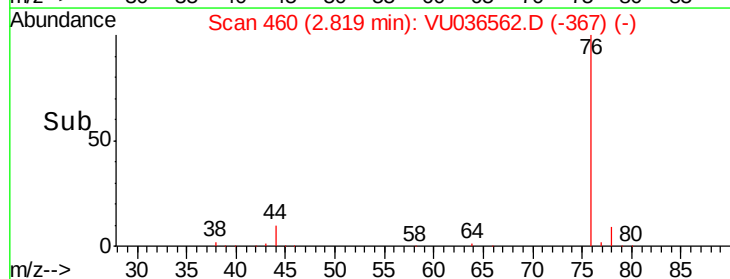
60000

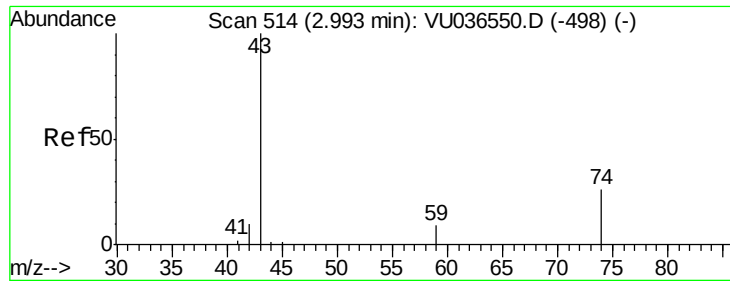
40000

20000

0

Time-->

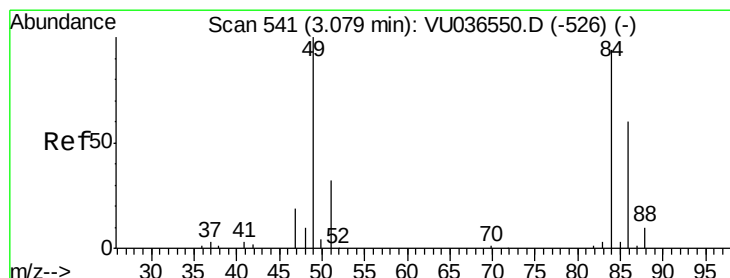
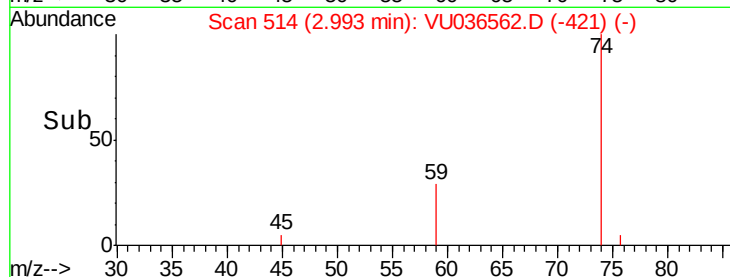
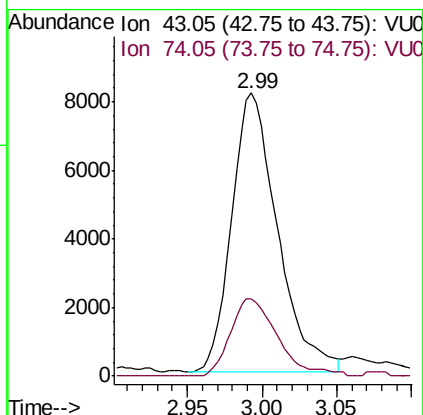
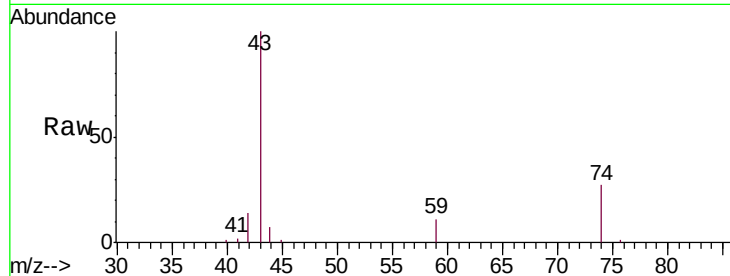




#15
Methyl Acetate
Concen: 4.911 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

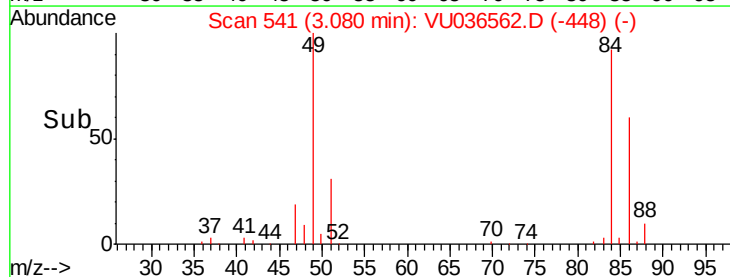
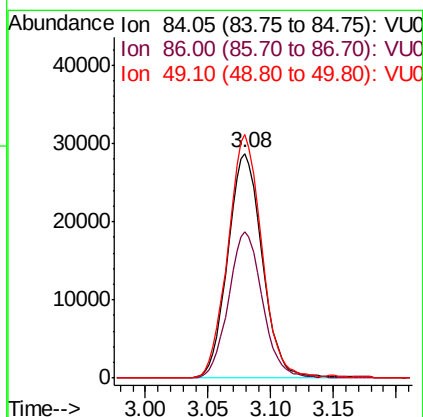
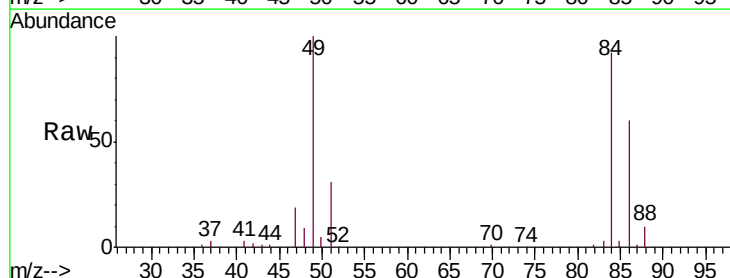
Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

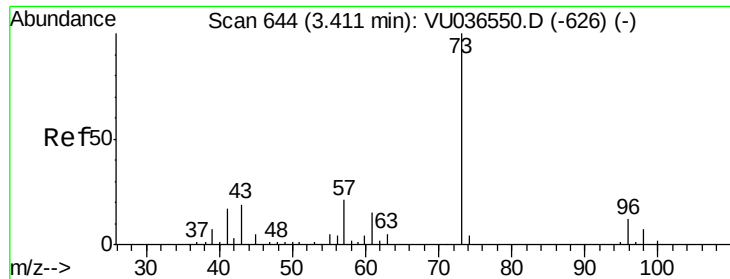
Tgt Ion: 43 Resp: 17420
Ion Ratio Lower Upper
43 100
74 28.4 22.7 34.1



#16
Methylene chloride
Concen: 4.408 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion: 84 Resp: 55076
Ion Ratio Lower Upper
84 100
86 65.1 44.8 83.2
49 108.3 74.8 139.0

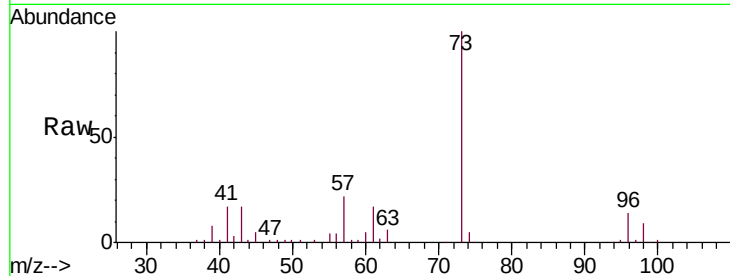




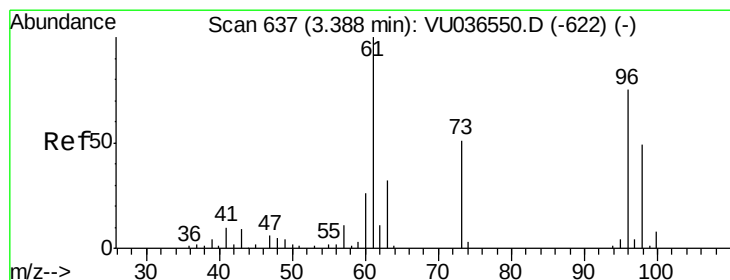
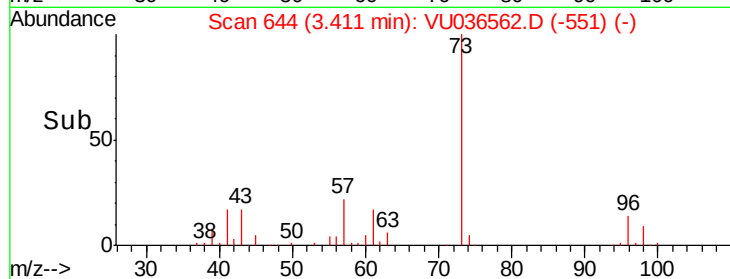
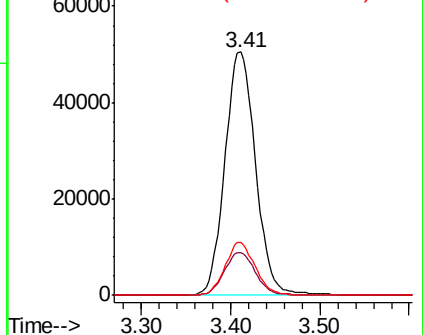
#17
Methyl tert-butyl Ether
Concen: 5.229 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Tgt Ion: 73 Resp: 120609
Ion Ratio Lower Upper
73 100
43 17.9 14.6 21.8
57 21.3 17.0 25.6

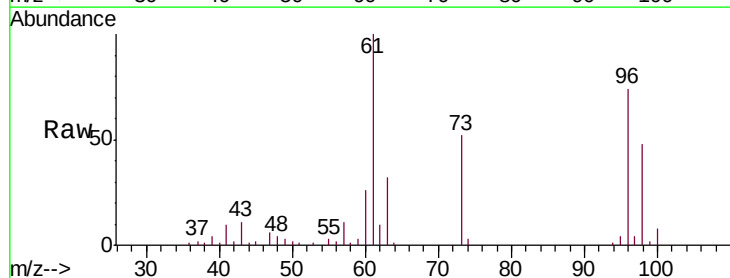


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

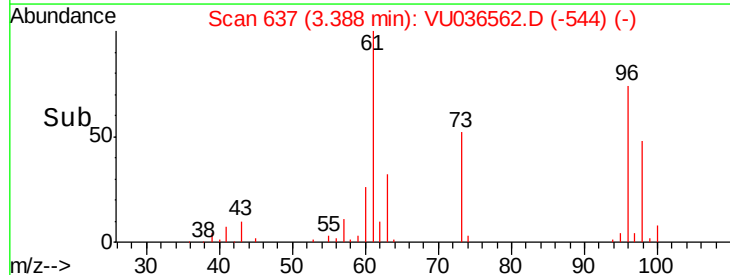
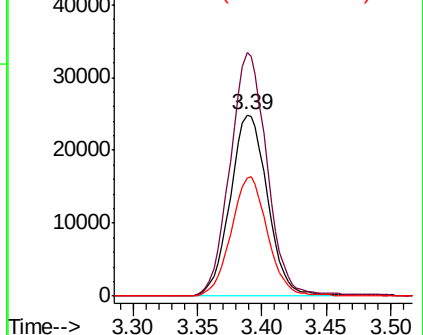


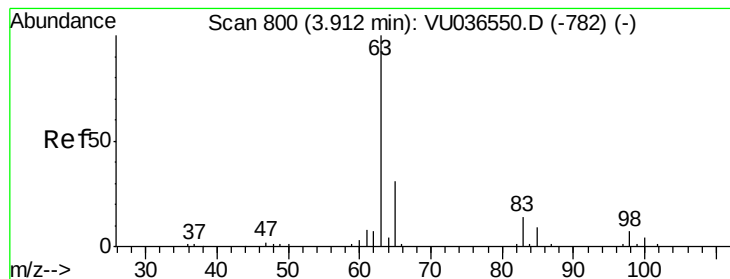
#18
trans-1,2-Dichloroethene
Concen: 5.084 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion: 96 Resp: 50162
Ion Ratio Lower Upper
96 100
61 134.2 93.1 172.9
98 65.0 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: 5.041 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005608

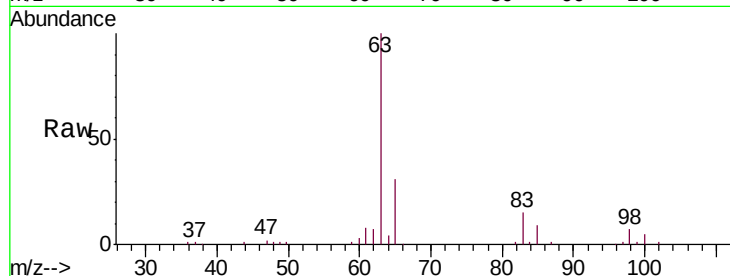
Tgt Ion: 63 Resp: 86776

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.6

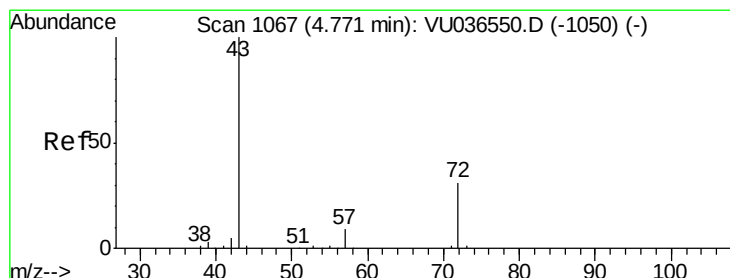
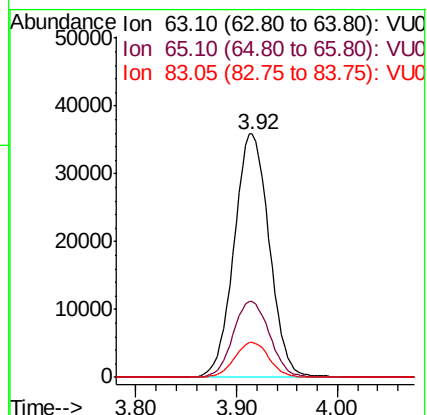
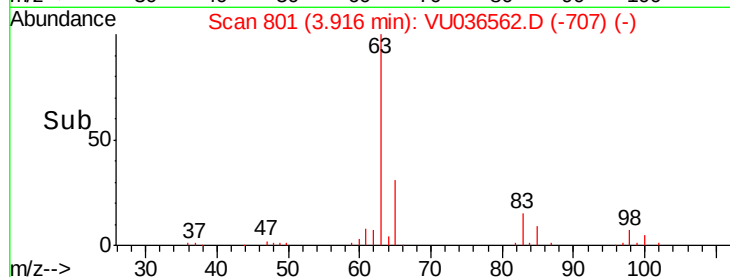
83 14.5 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036550.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036550.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036550.D (-782) (-)



#21

2-Butanone

Concen: 53.344 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU036562.D

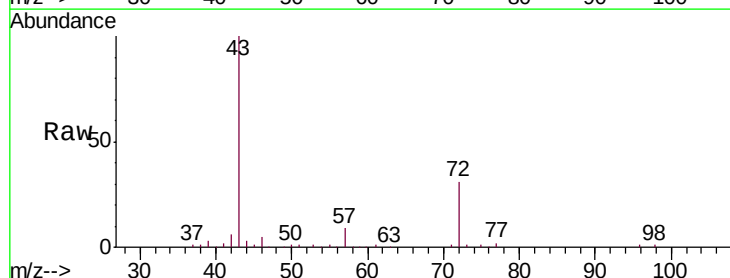
Acq: 27 Jan 2020 09:37

Tgt Ion: 43 Resp: 119703

Ion Ratio Lower Upper

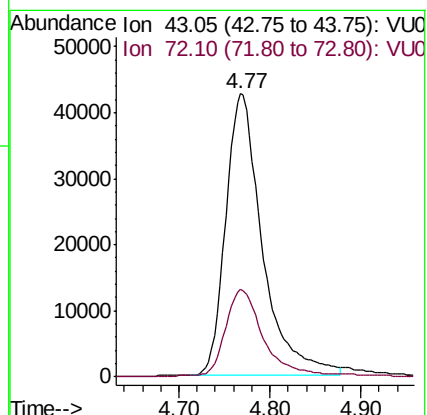
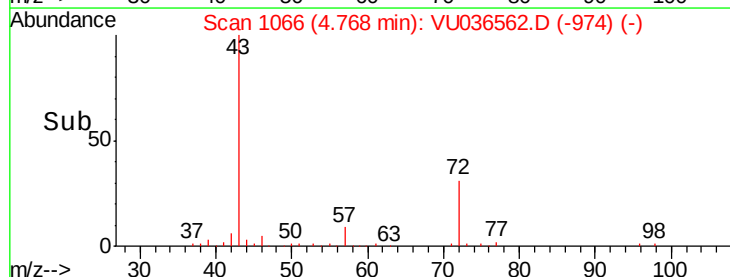
43 100

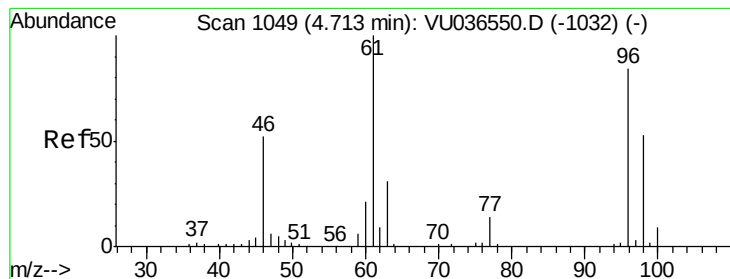
72 32.1 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036550.D (-1050) (-)

Ion 72.10 (71.80 to 72.80): VU036550.D (-1050) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.044 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005608

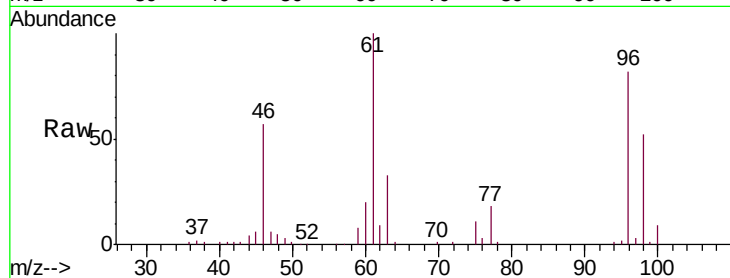
Tgt Ion: 96 Resp: 55519

Ion Ratio Lower Upper

96 100

61 121.5 83.0 154.1

98 63.3 43.8 81.3

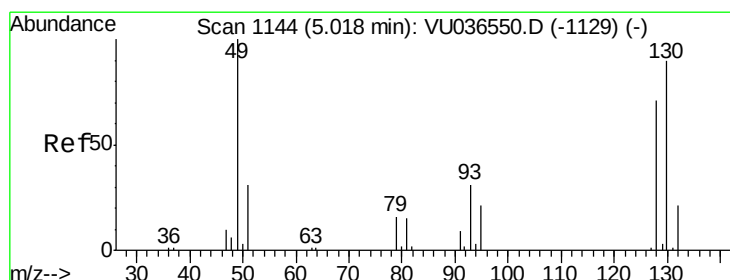
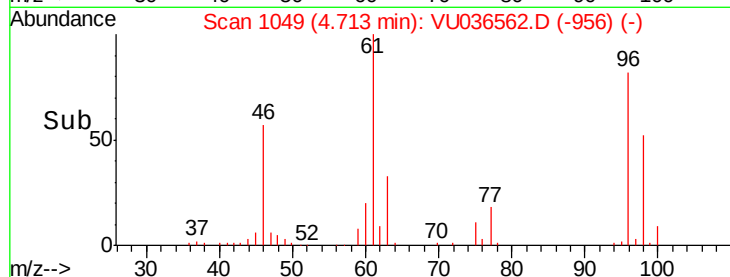
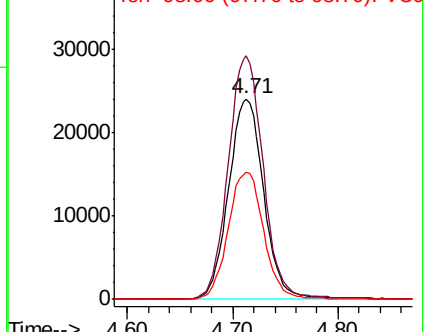


Abundance

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: 5.365 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Tgt Ion: 128 Resp: 24856

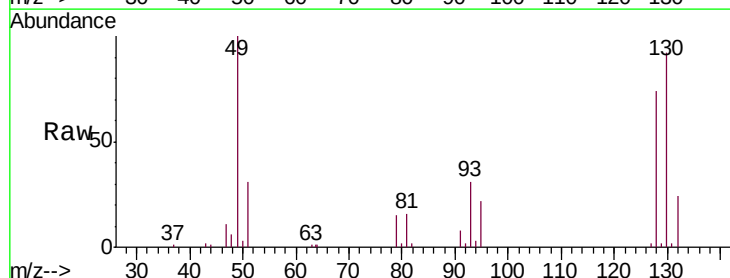
Ion Ratio Lower Upper

128 100

49 134.2 98.6 183.2

130 123.3 89.1 165.5

51 41.7 35.4 53.2



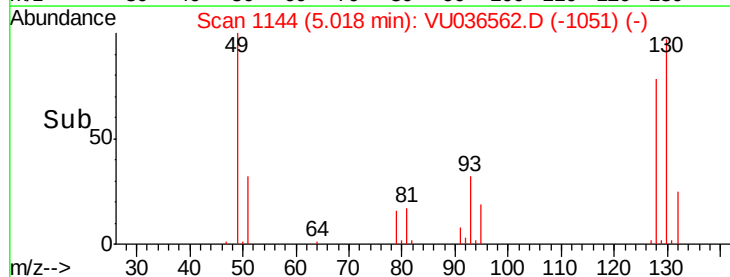
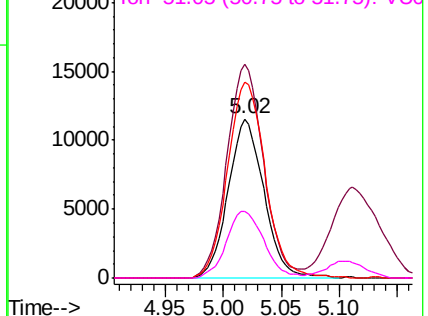
Abundance

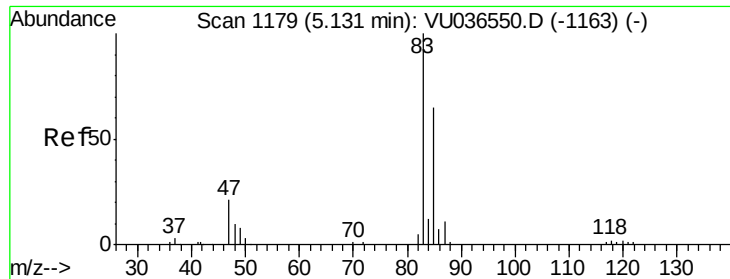
Ion 127.90 (127.60 to 128.60): V

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

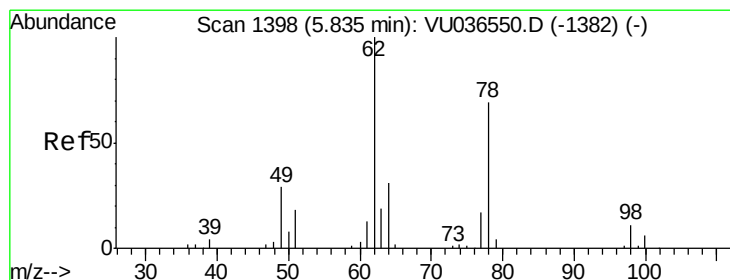
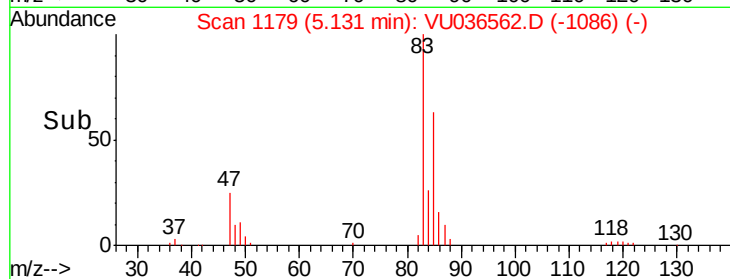
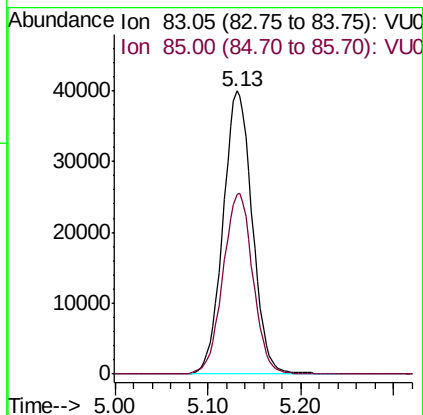
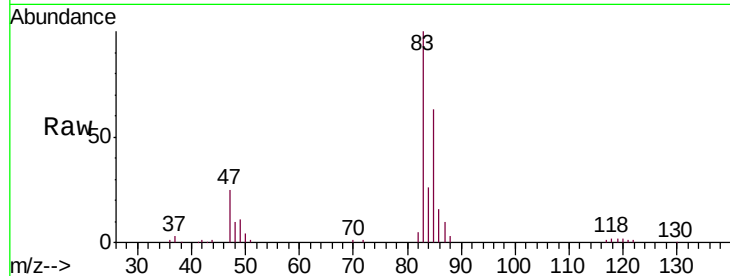




#25
Chloroform
Concen: 5.075 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

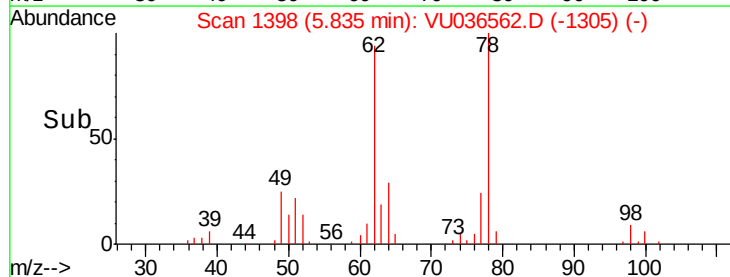
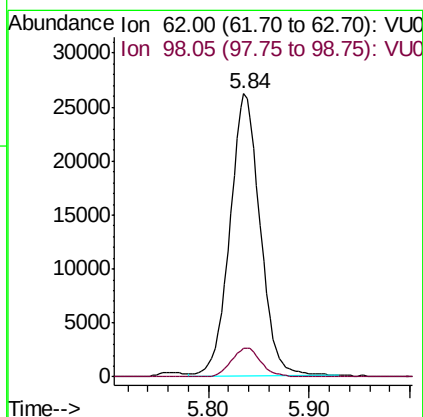
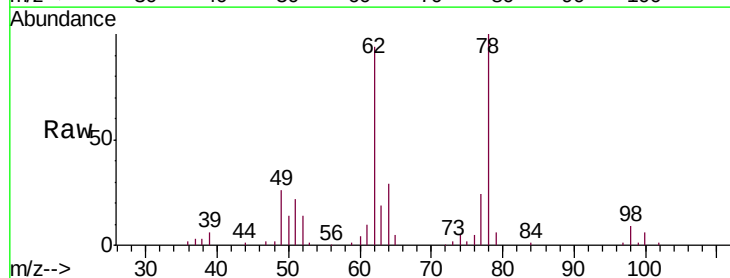
Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

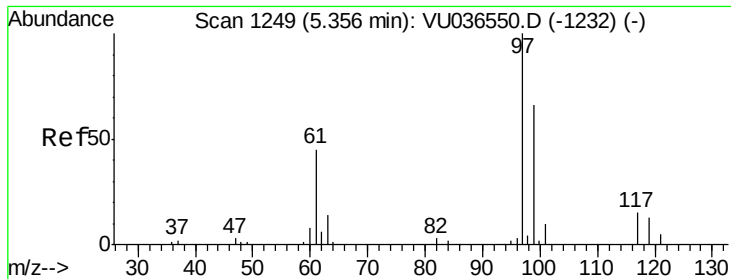
Tgt Ion: 83 Resp: 87085
Ion Ratio Lower Upper
83 100
85 63.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.083 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion: 62 Resp: 54696
Ion Ratio Lower Upper
62 100
98 10.0 8.5 12.7

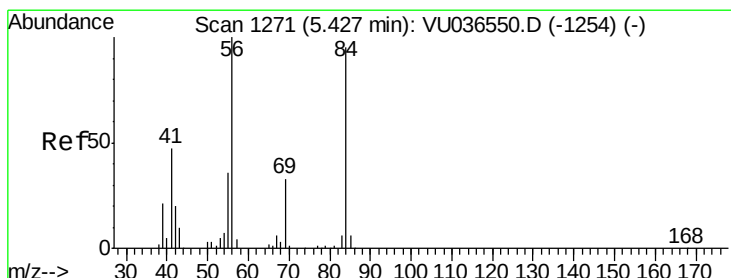
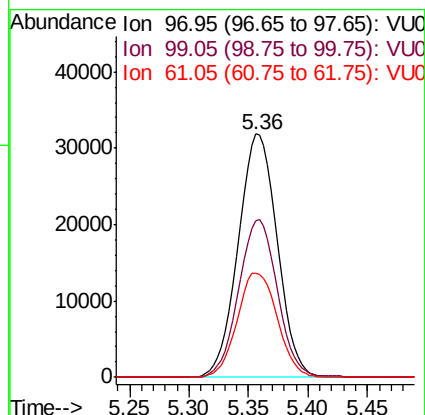
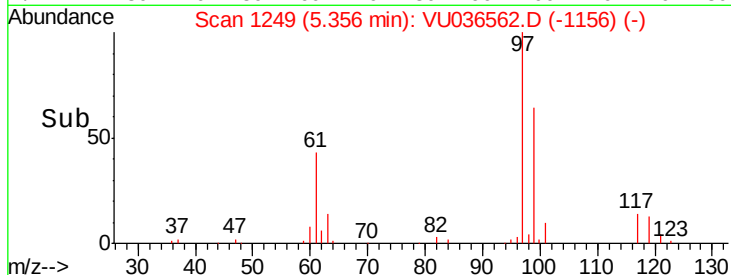
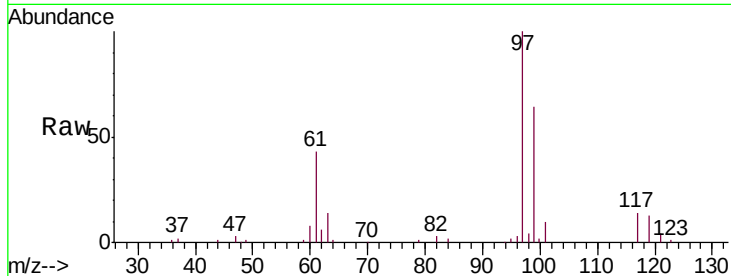




#29
 1,1,1-Trichloroethane
 Concen: 5.117 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

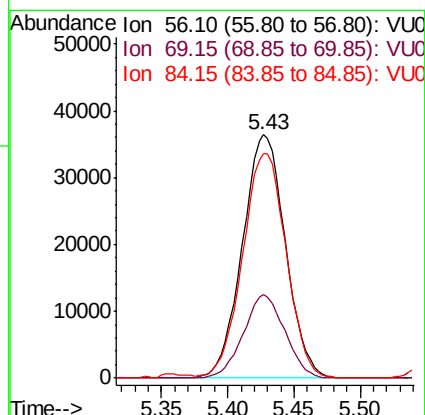
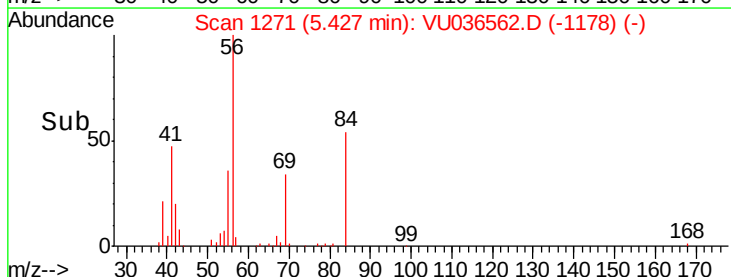
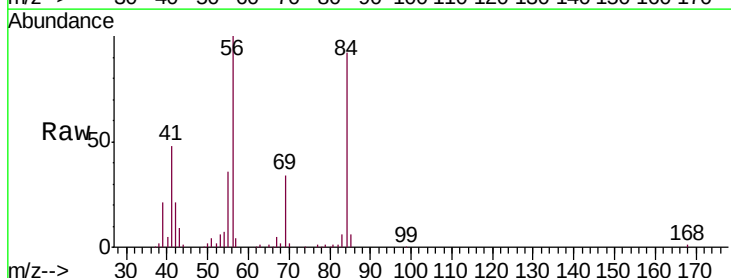
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

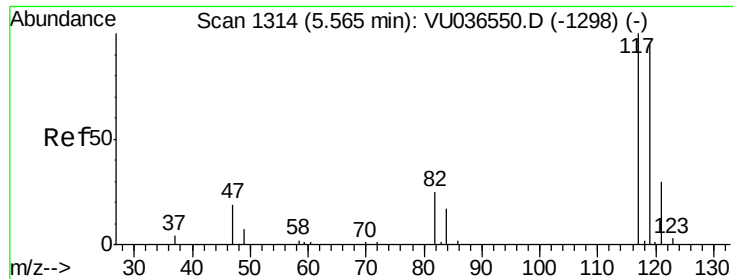
Tgt Ion: 97 Resp: 72518
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 44.1 35.6 53.4



#30
 Cyclohexane
 Concen: 5.066 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion: 56 Resp: 81933
 Ion Ratio Lower Upper
 56 100
 69 33.0 25.7 38.5
 84 93.7 75.3 112.9





#31

Carbon tetrachloride

Concen: 5.239 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

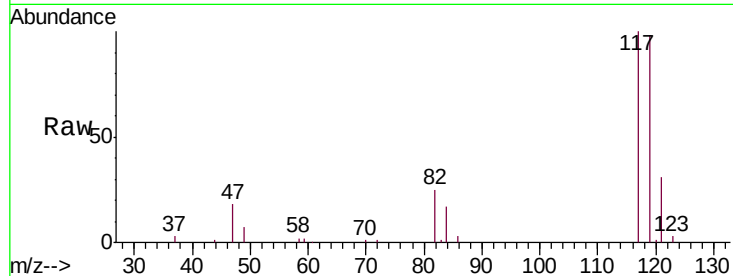
VSTD005608

Tgt Ion:117 Resp: 62969

Ion Ratio Lower Upper

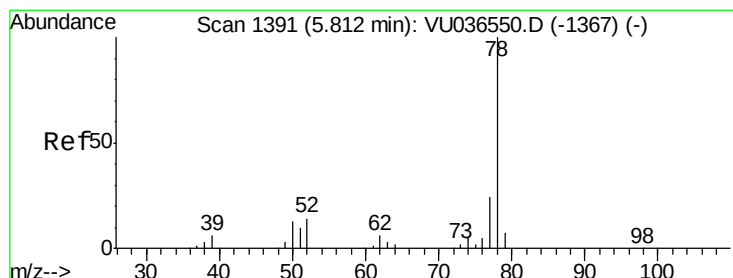
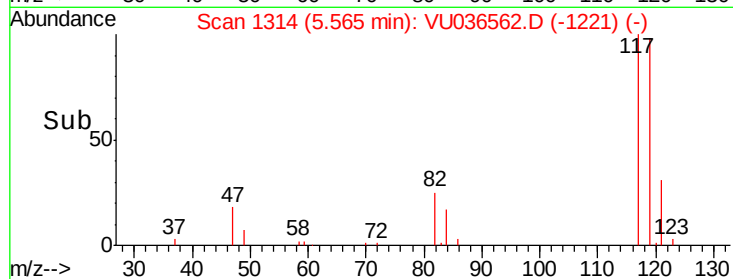
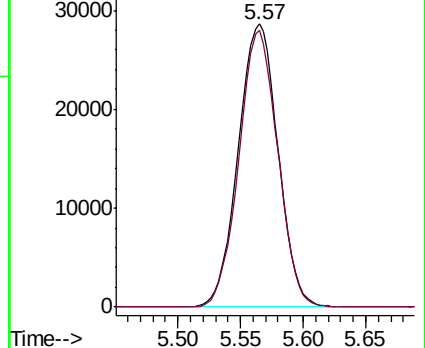
117 100

119 95.4 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: 5.129 ug/L

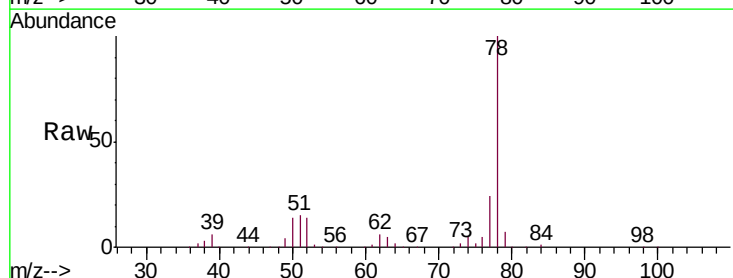
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

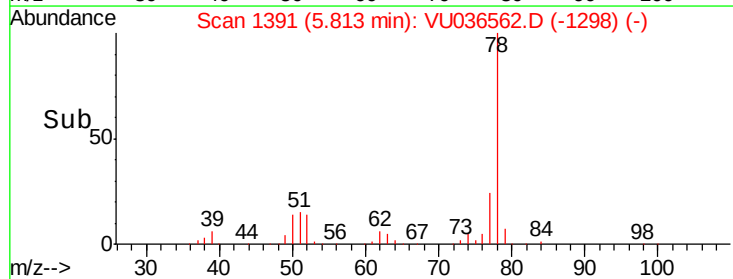
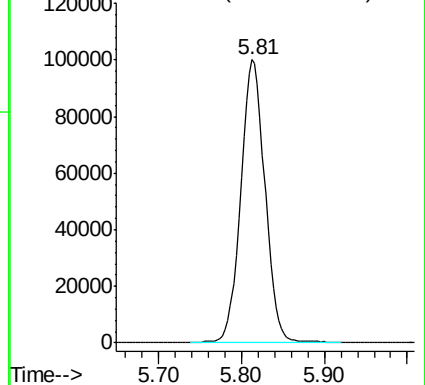
Lab File: VU036562.D

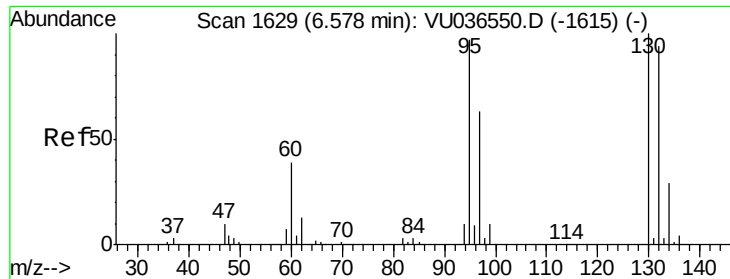
Acq: 27 Jan 2020 09:37

Tgt Ion: 78 Resp: 204572



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.105 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005608

Tgt Ion: 95 Resp: 53929

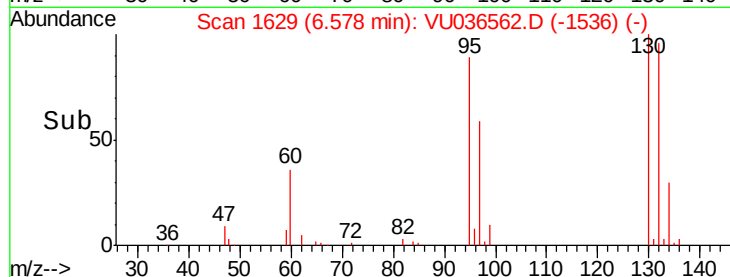
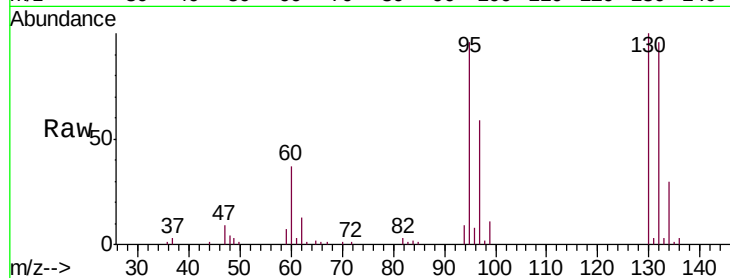
Ion Ratio Lower Upper

95 100

97 61.8 45.6 84.8

132 100.1 67.7 125.7

130 104.3 72.2 134.2

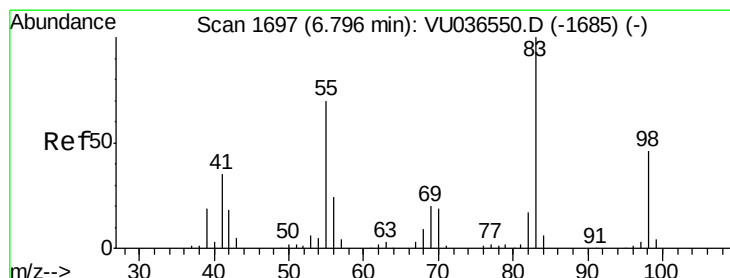
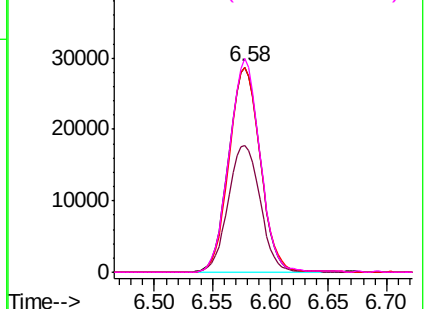


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.211 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

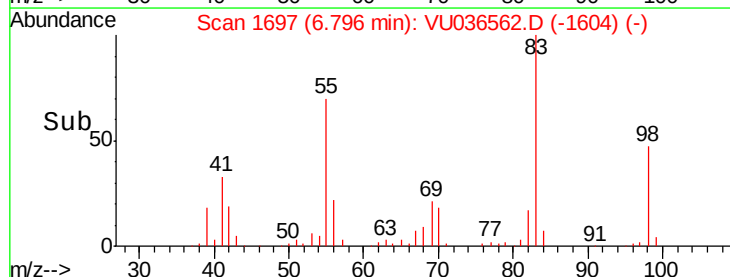
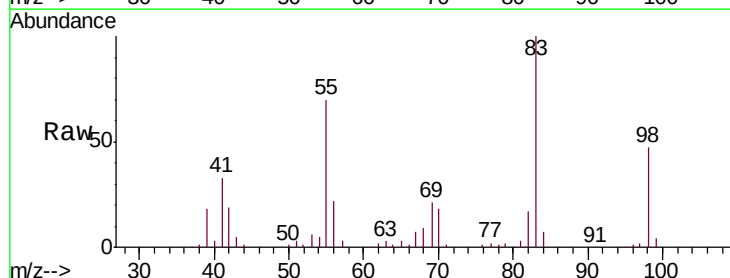
Tgt Ion: 83 Resp: 94325

Ion Ratio Lower Upper

83 100

55 70.0 56.9 85.3

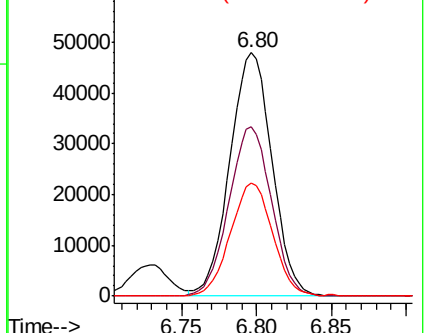
98 46.5 36.9 55.3

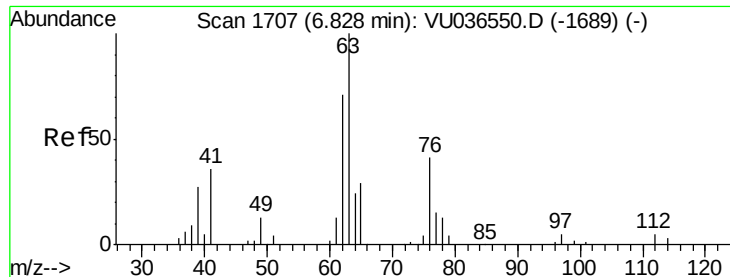


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

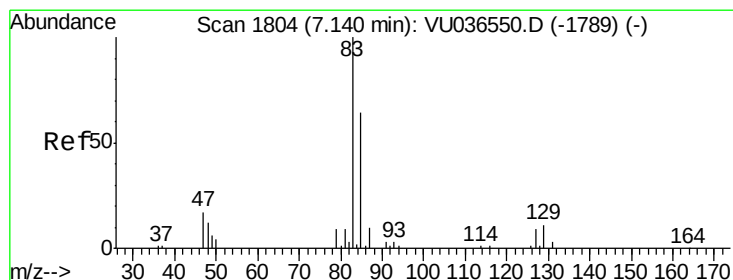
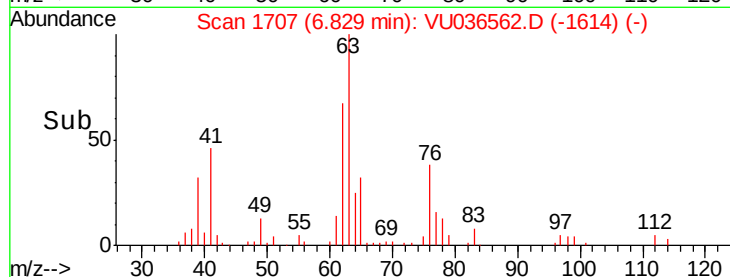
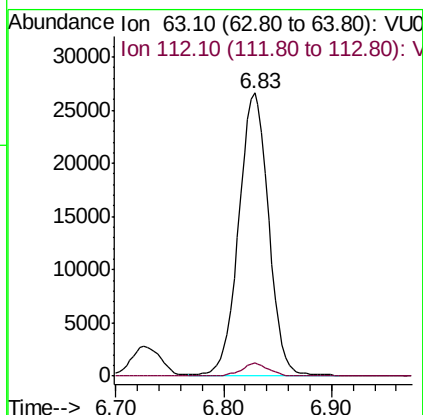
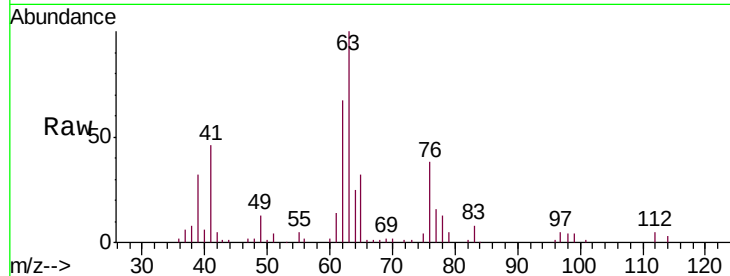




#37
 1,2-Dichloropropane
 Concen: 5.203 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

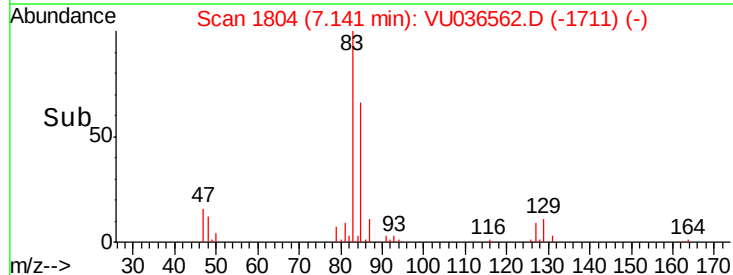
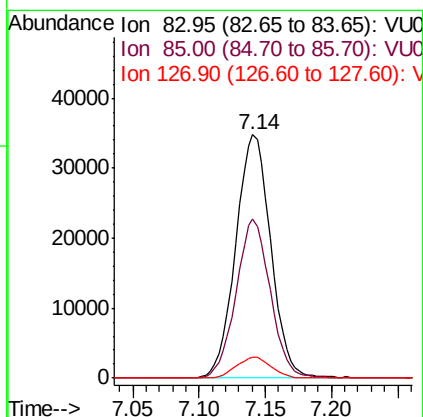
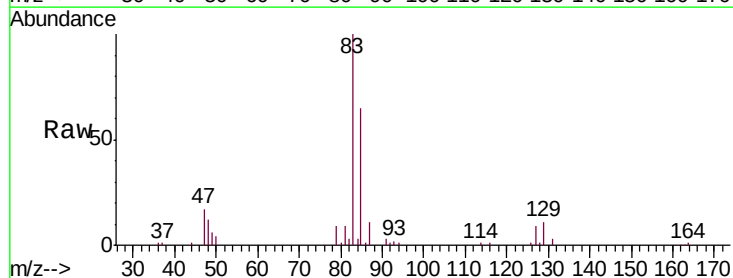
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

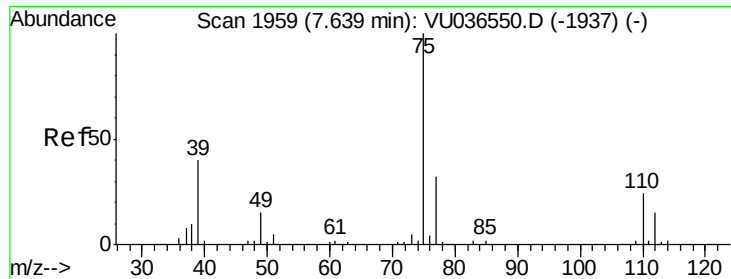
Tgt Ion: 63 Resp: 51605
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.283 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion: 83 Resp: 64014
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.7 82.9
 127 8.7 7.2 10.8

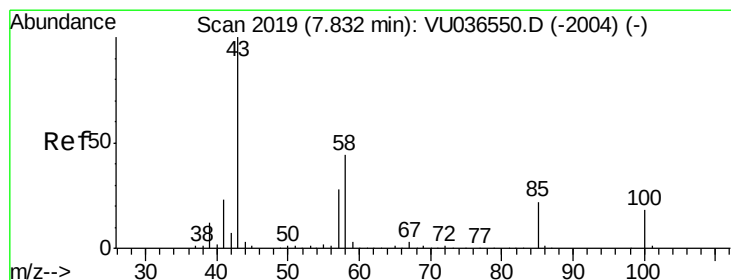
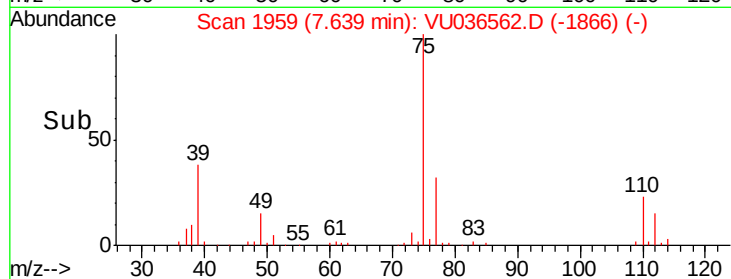
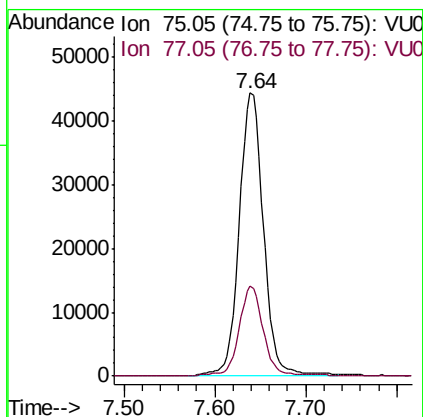
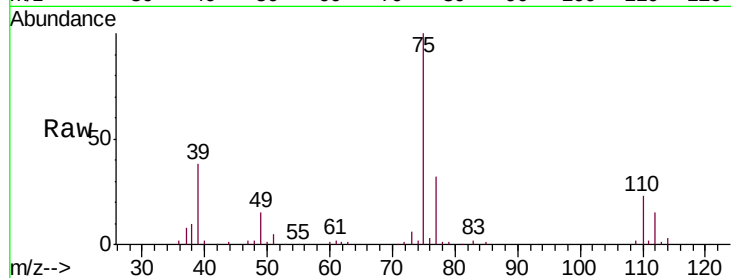




#39
 cis-1,3-Dichloropropene
 Concen: 5.406 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

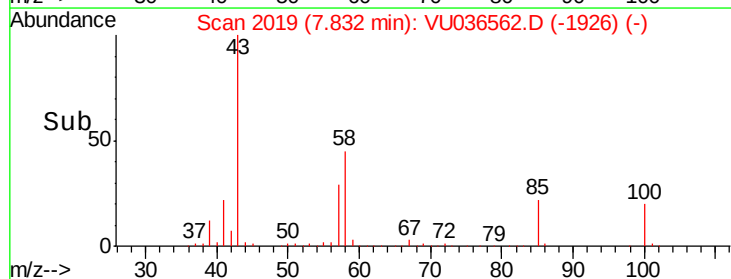
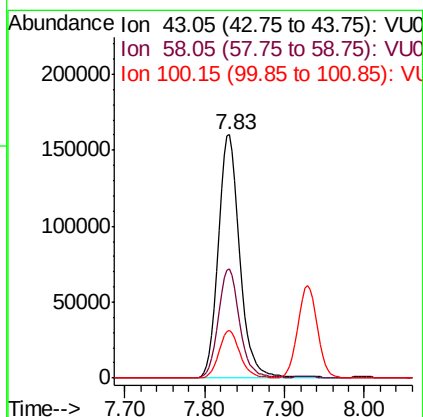
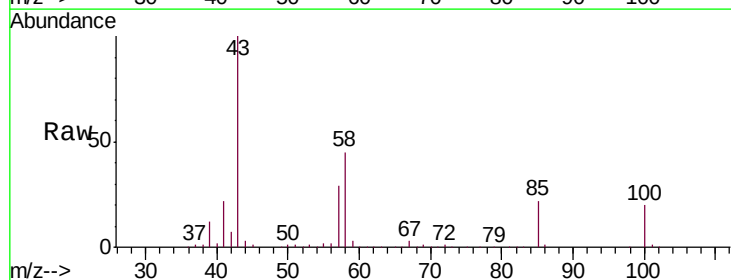
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

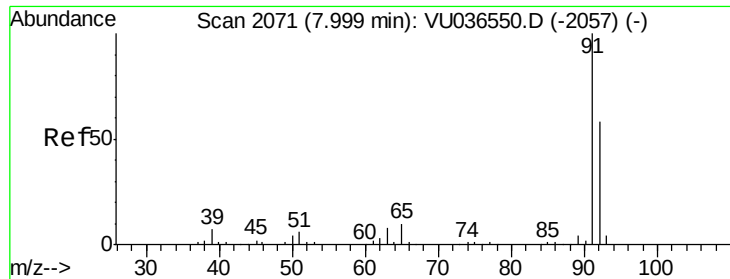
Tgt Ion: 75 Resp: 82701
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.734 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion: 43 Resp: 299731
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.6 53.4
 100 19.2 14.9 22.3





#42

Toluene

Concen: 5.037 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

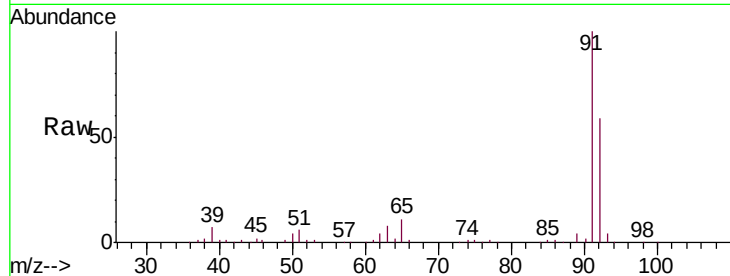
VSTD005608

Tgt Ion: 91 Resp: 221853

Ion Ratio Lower Upper

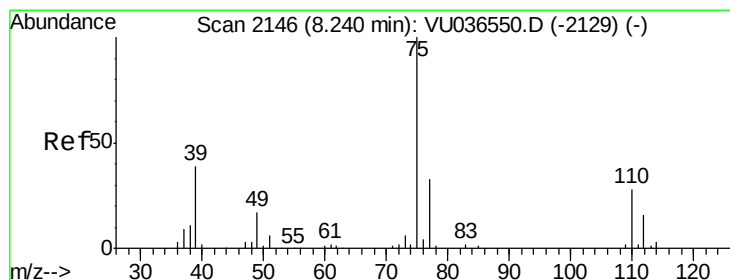
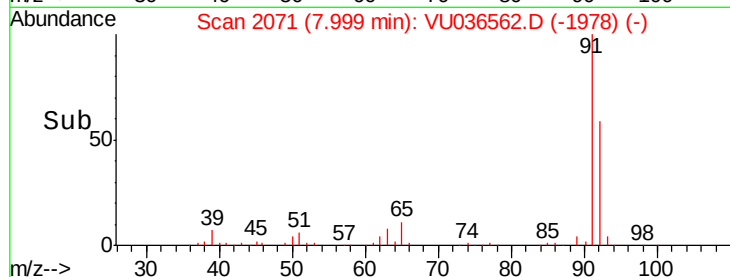
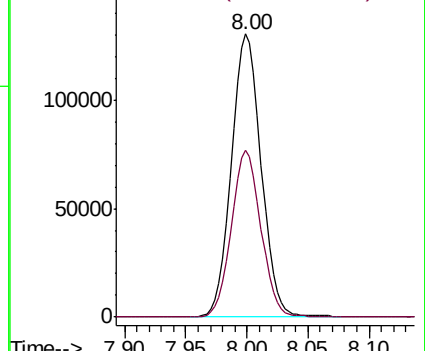
91 100

92 58.9 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.434 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036562.D

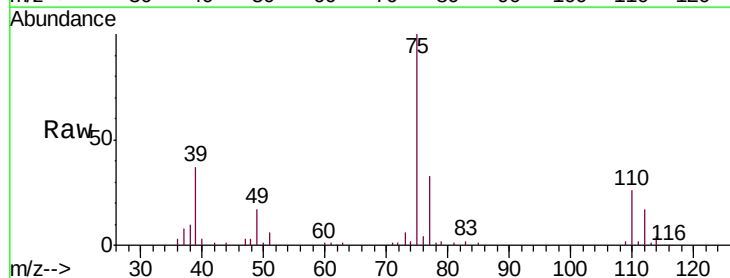
Acq: 27 Jan 2020 09:37

Tgt Ion: 75 Resp: 63977

Ion Ratio Lower Upper

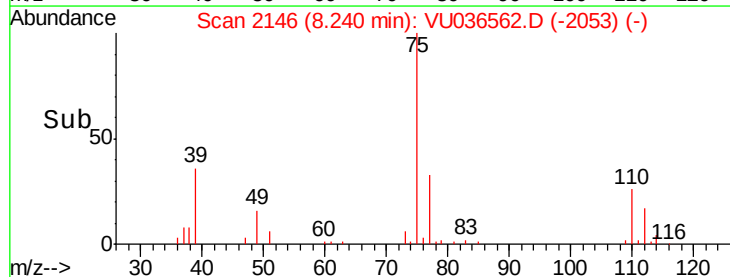
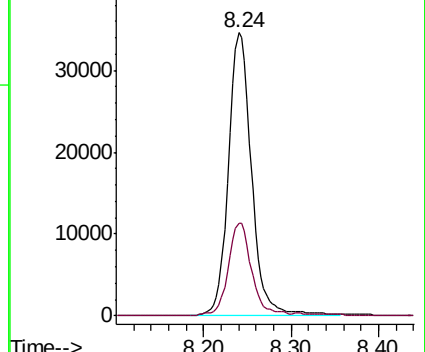
75 100

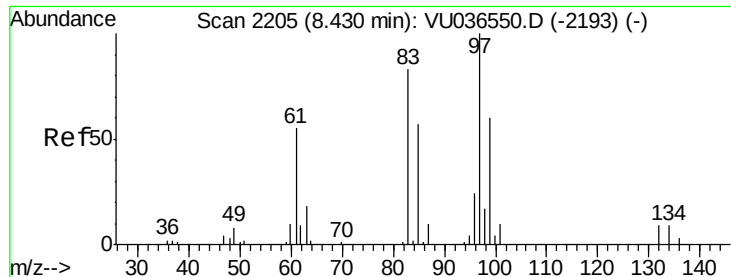
77 32.9 22.8 42.4



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

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

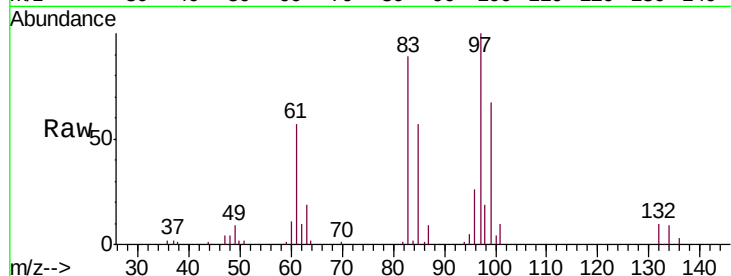




#45
 1,1,2-Trichloroethane
 Concen: 5.169 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

Tgt Ion:	97	Resp:	37930
Ion	Ratio	Lower	Upper
97	100		
99	67.0	42.1	78.3
83	88.8	58.4	108.6
85	57.0	39.6	73.6



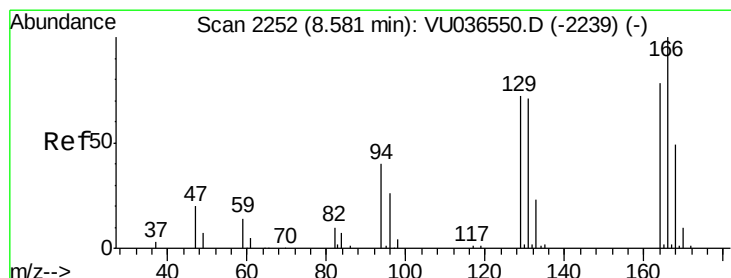
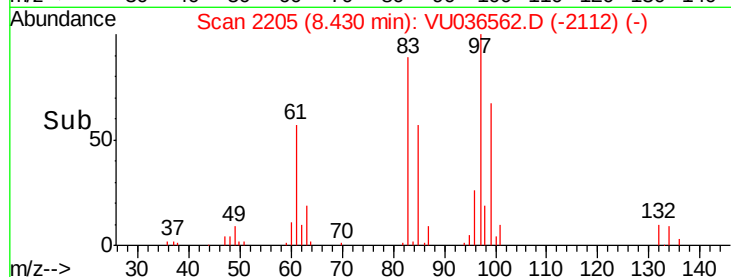
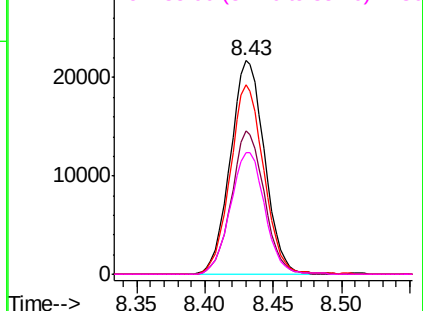
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

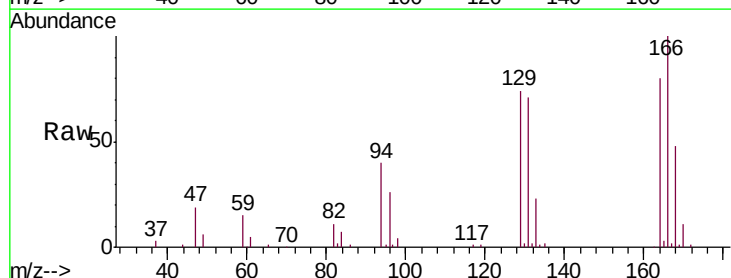
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.114 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion:	164	Resp:	43988
Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.7	120.1
131	89.2	64.0	118.8
166	125.0	89.5	166.3



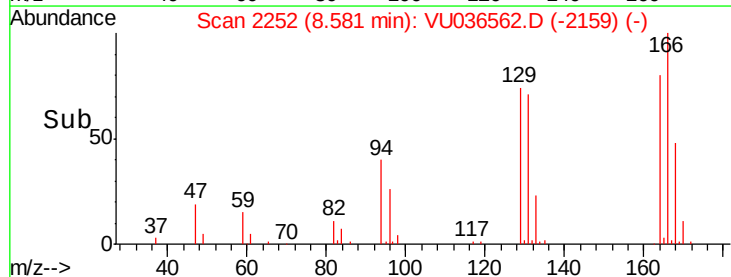
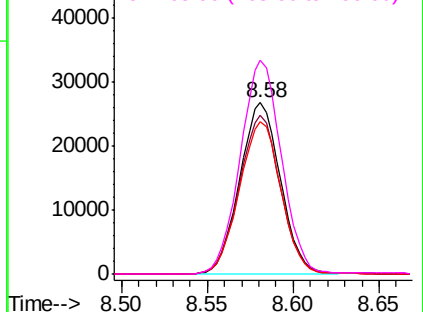
Abundance

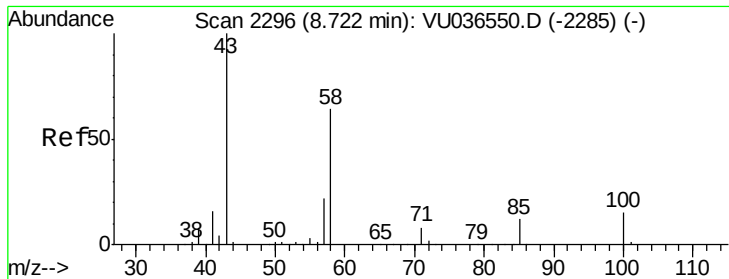
Ion 163.90 (163.60 to 164.60): V

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

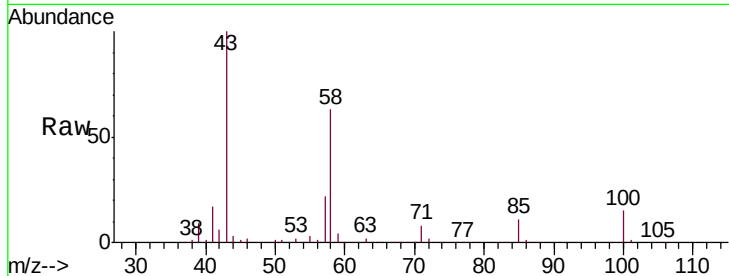




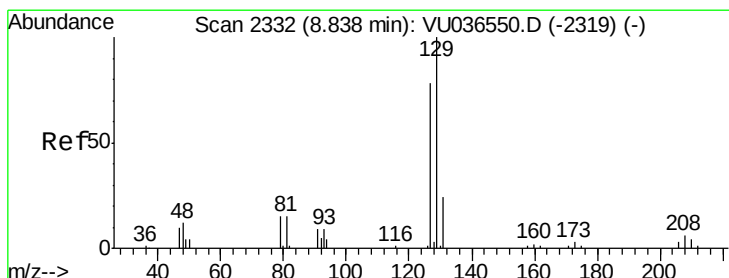
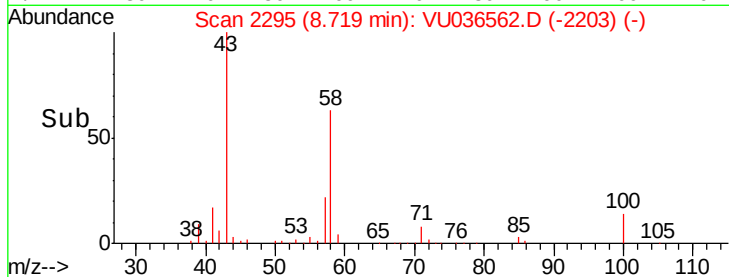
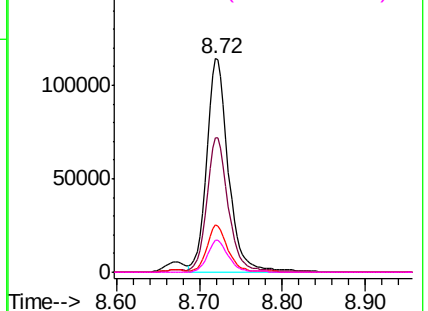
#48
2-Hexanone
Concen: 55.116 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Tgt Ion: 43 Resp: 212103
Ion Ratio Lower Upper
43 100
58 61.0 50.2 75.2
57 20.3 17.5 26.3
100 14.6 11.5 17.3

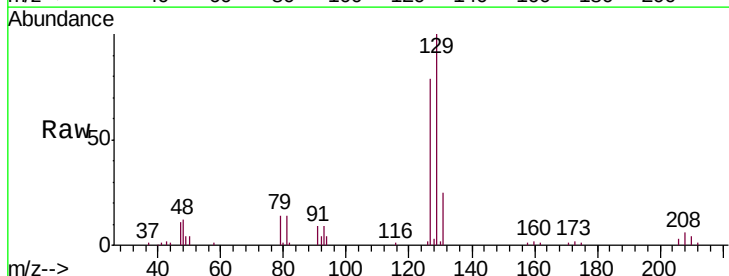


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

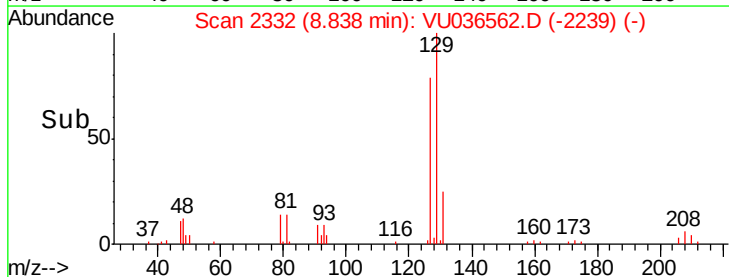
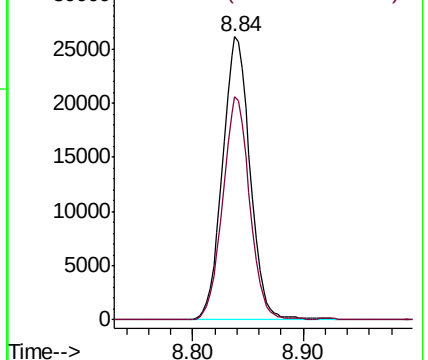


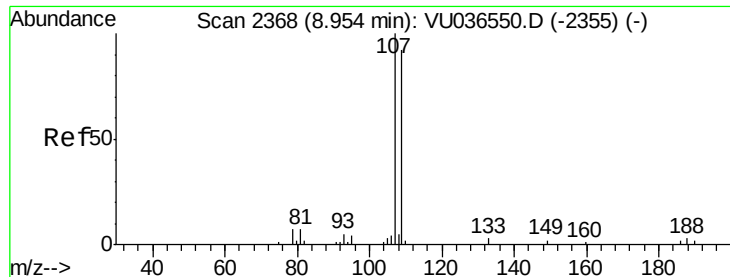
#49
Dibromochloromethane
Concen: 5.391 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion: 129 Resp: 45273
Ion Ratio Lower Upper
129 100
127 79.0 54.5 101.3



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

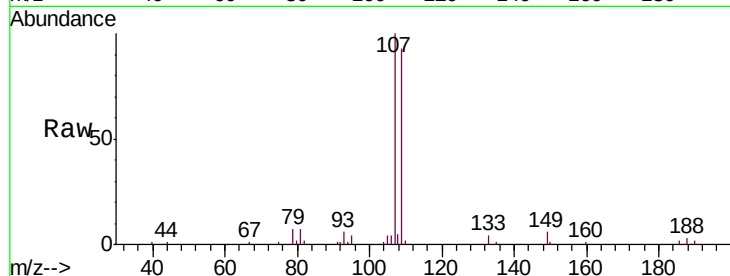




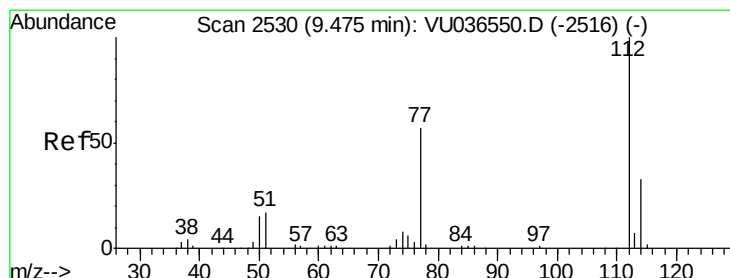
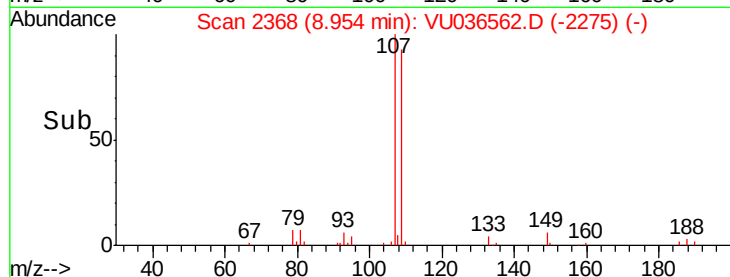
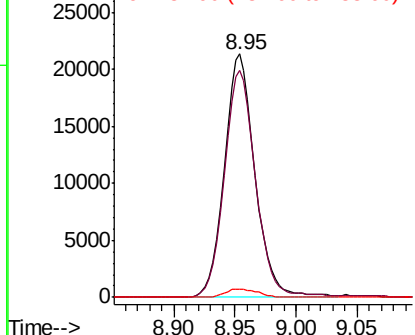
#50
1,2-Dibromoethane
Concen: 5.251 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Tgt Ion:107 Resp: 37517
Ion Ratio Lower Upper
107 100
109 93.1 64.5 119.9
188 3.4 2.8 4.2

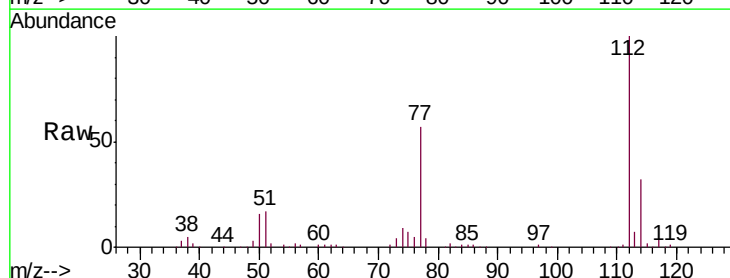


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

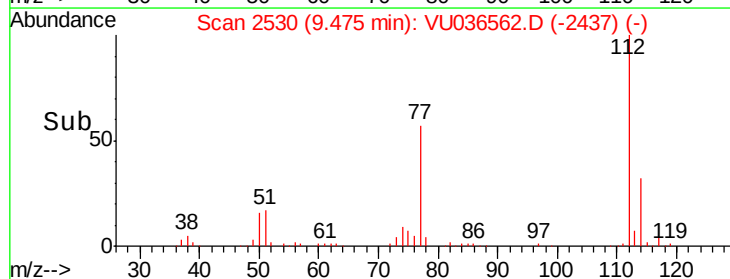
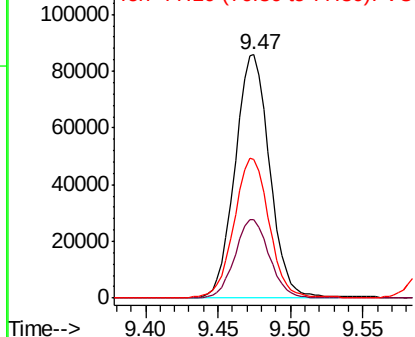


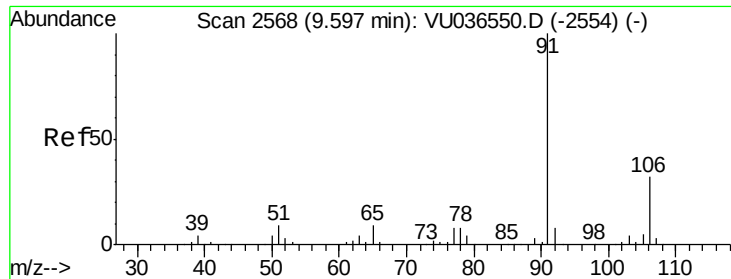
#51
Chlorobenzene
Concen: 5.043 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion:112 Resp: 142661
Ion Ratio Lower Upper
112 100
114 32.1 23.2 43.2
77 57.2 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): VU





#52

Ethylbenzene

Concen: 5.055 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

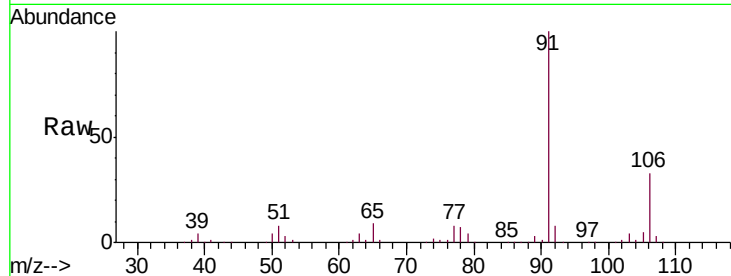
VSTD005608

Tgt Ion: 91 Resp: 242454

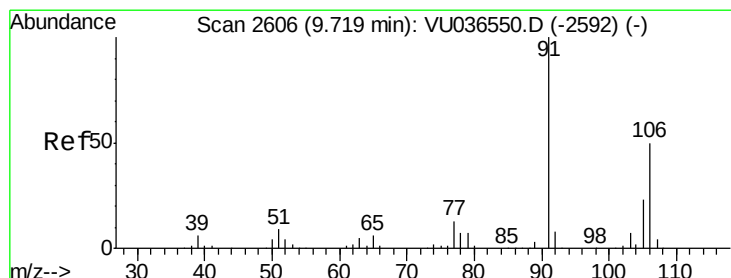
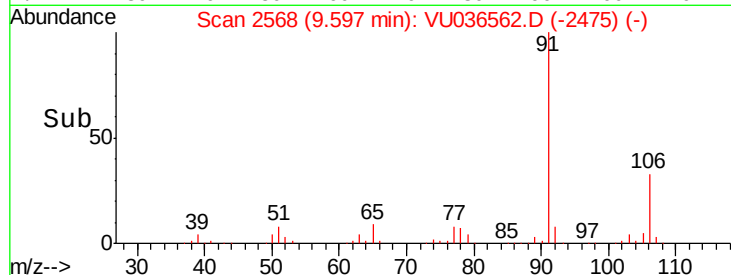
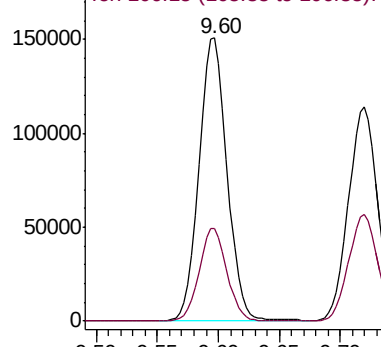
Ion Ratio Lower Upper

91 100

106 32.8 22.3 41.3



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



#53

m,p-Xylene

Concen: 5.098 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036562.D

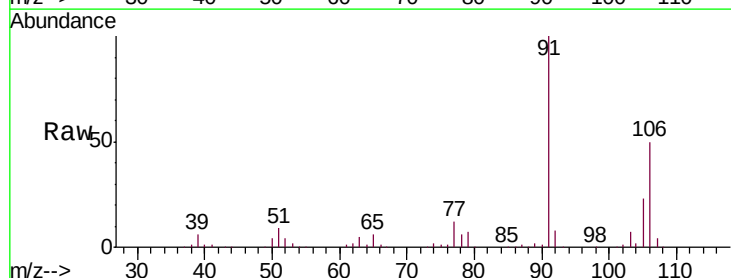
Acq: 27 Jan 2020 09:37

Tgt Ion: 106 Resp: 94859

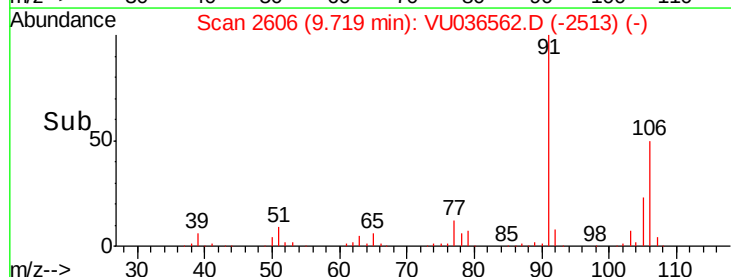
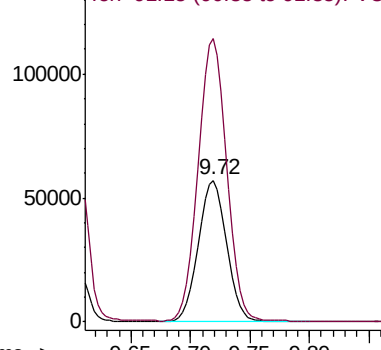
Ion Ratio Lower Upper

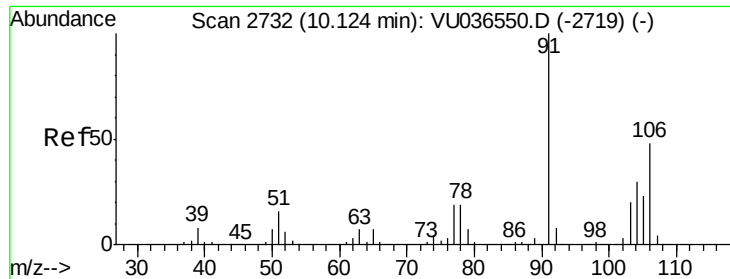
106 100

91 200.0 141.4 262.6



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

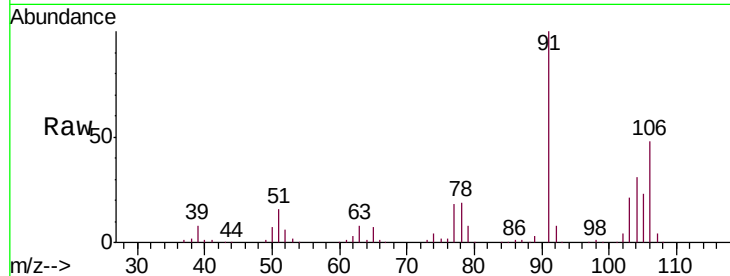




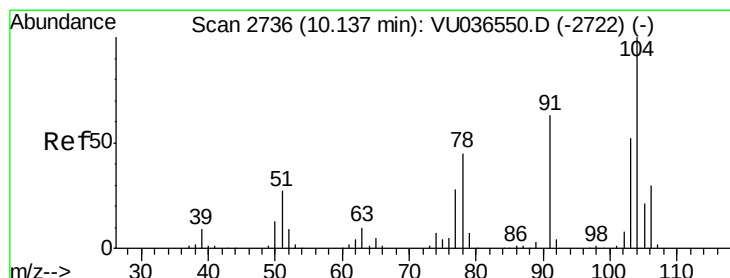
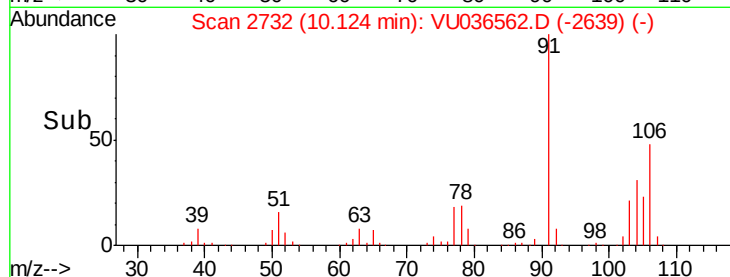
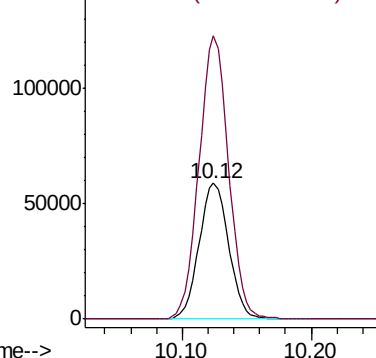
#54
o-Xylene
Concen: 5.158 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Tgt Ion:106 Resp: 94044
Ion Ratio Lower Upper
106 100
91 208.1 146.2 271.4

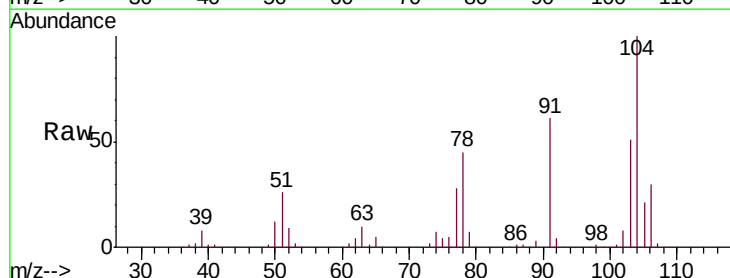


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

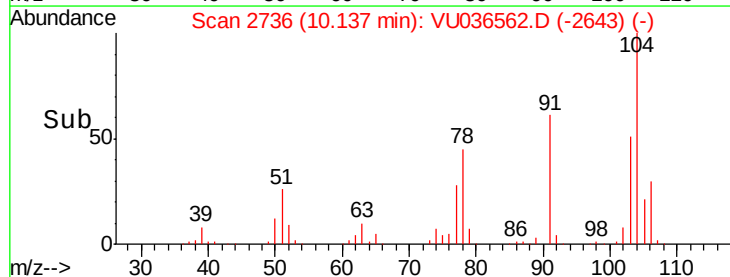
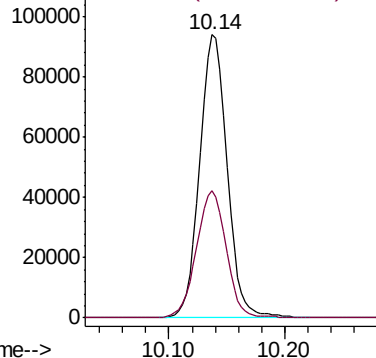


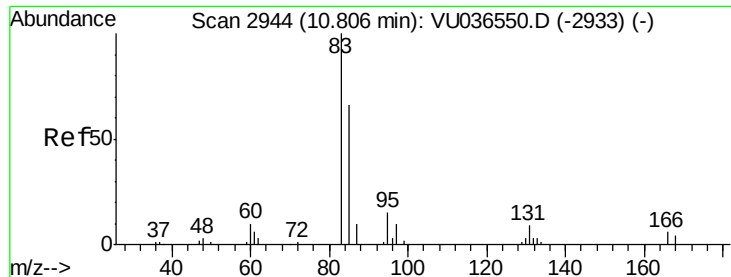
#55
Styrene
Concen: 5.120 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion:104 Resp: 153237
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

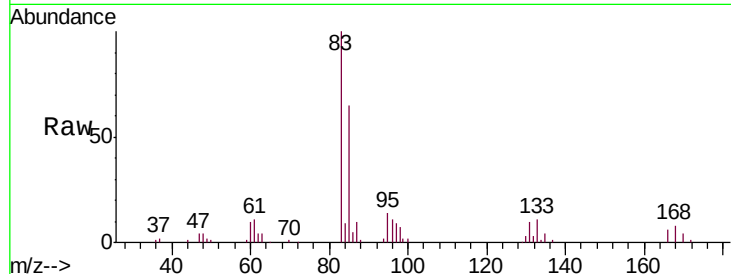




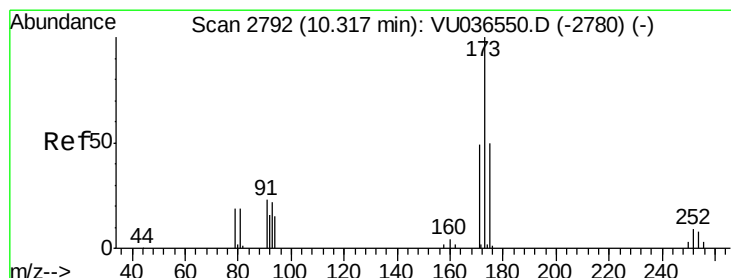
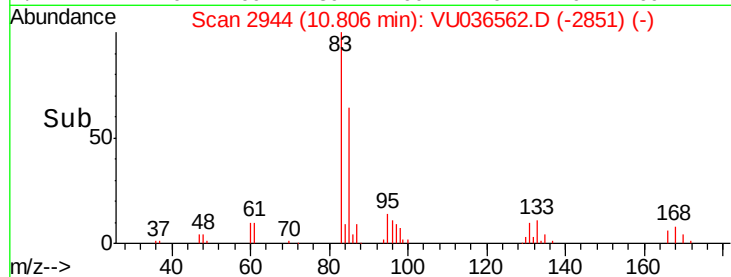
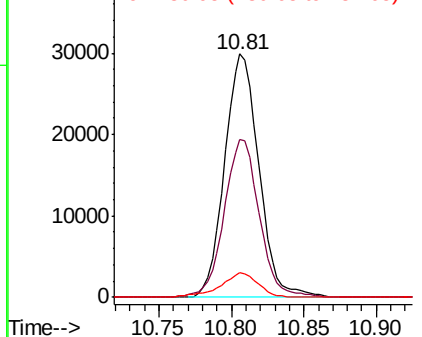
#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.335 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

Tgt Ion: 83 Resp: 49077
 Ion Ratio Lower Upper
 83 100
 85 64.8 47.0 87.4
 131 10.0 8.1 12.1

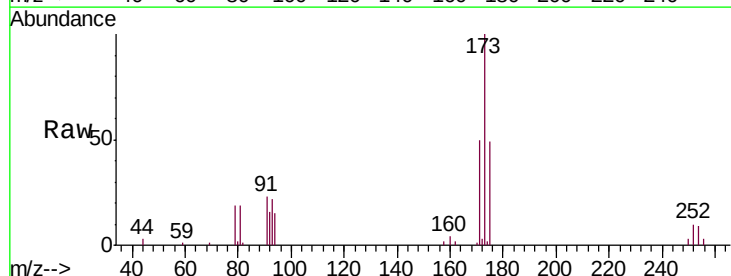


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 130.95 (130.65 to 131.65): V

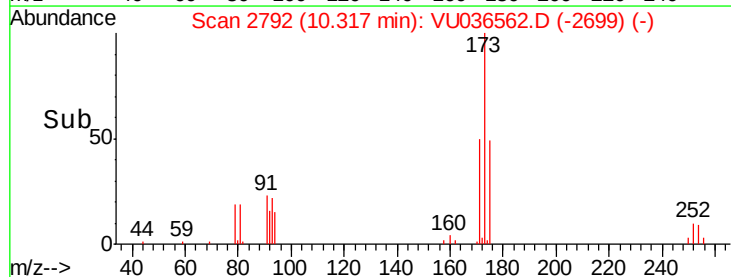
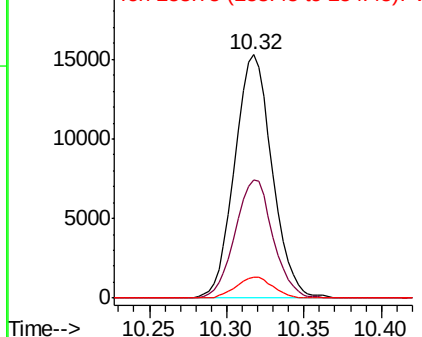


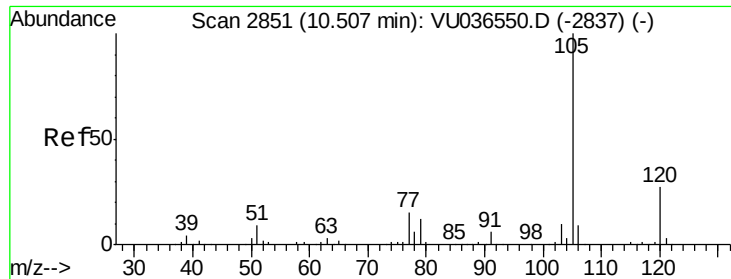
#59
 Bromoform
 Concen: 5.503 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion: 173 Resp: 25794
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.4
 254 8.5 6.3 9.5



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 5.188 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD005608

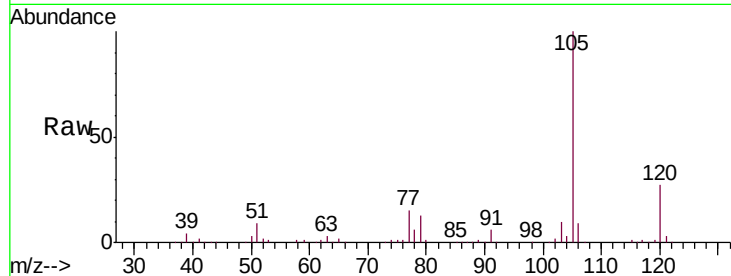
Tgt Ion: 105 Resp: 244624

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

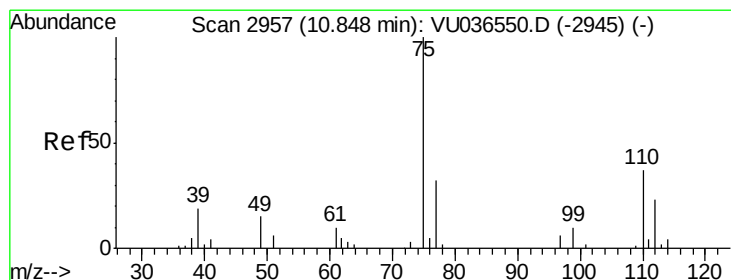
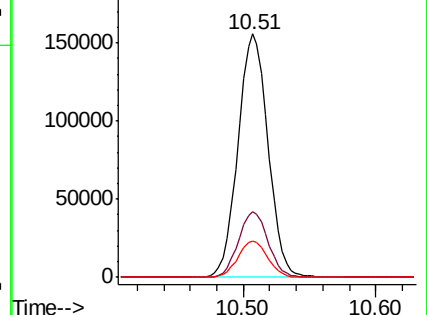
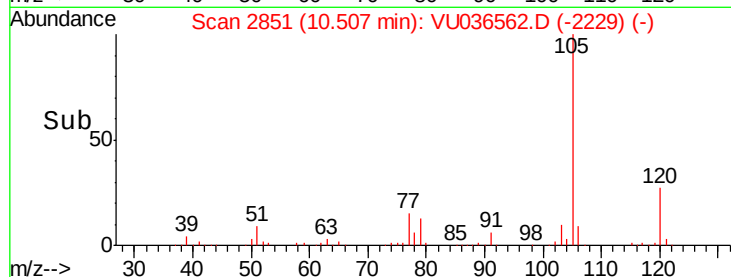
77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 5.341 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036562.D

Acq: 27 Jan 2020 09:37

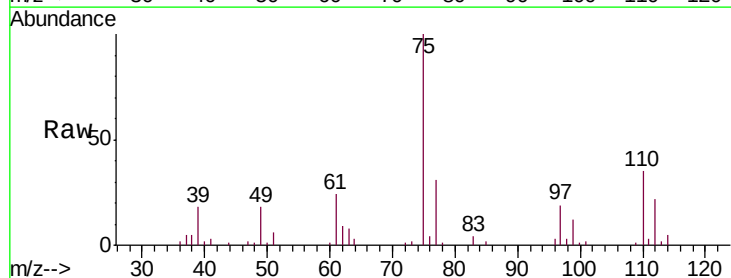
Tgt Ion: 75 Resp: 34681

Ion Ratio Lower Upper

75 100

110 34.8 29.0 43.4

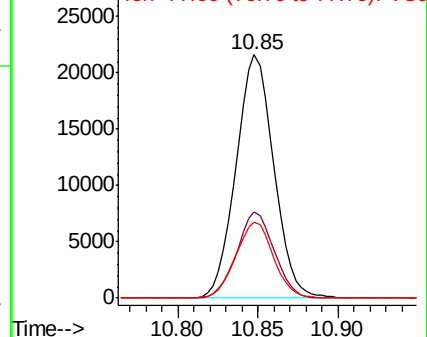
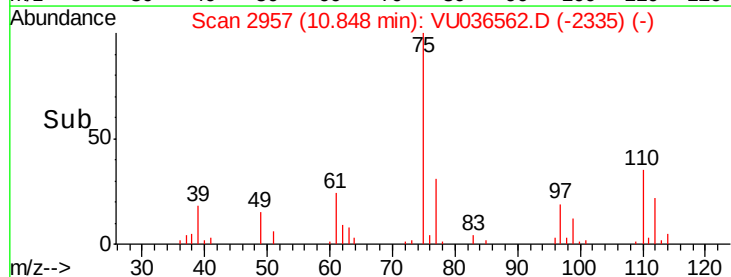
77 31.3 25.8 38.6

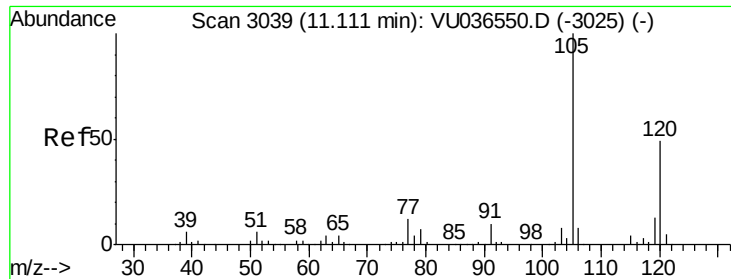


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

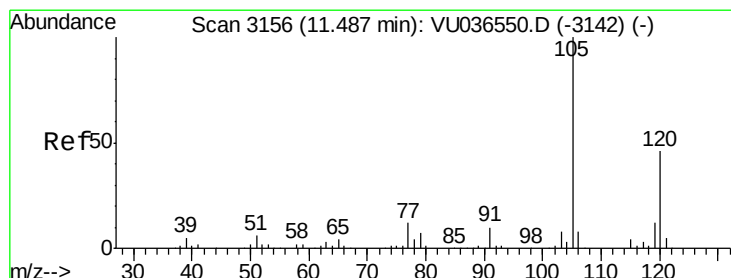
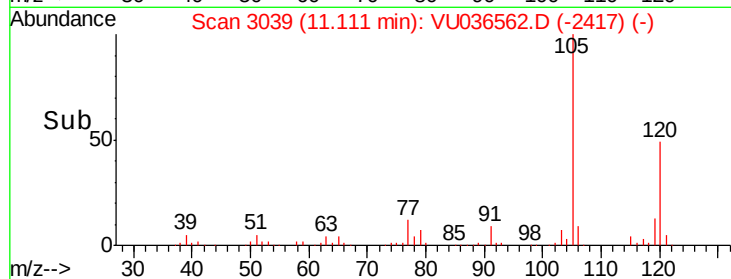
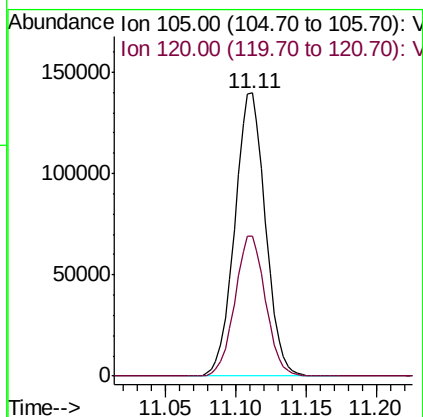
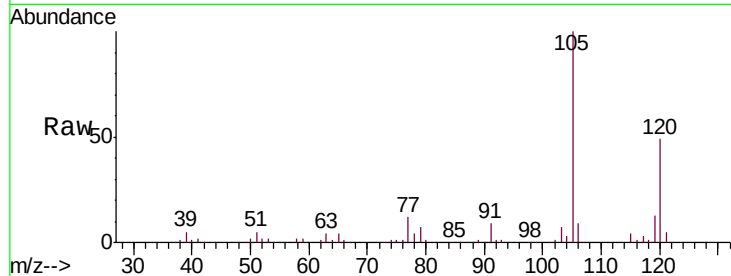




#62
 1,3,5-Trimethylbenzene
 Concen: 5.271 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

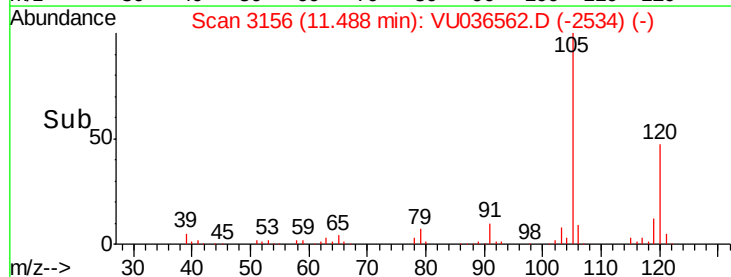
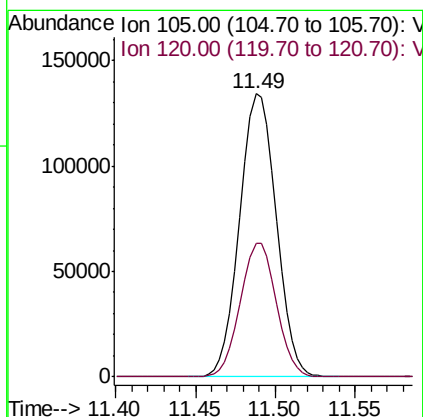
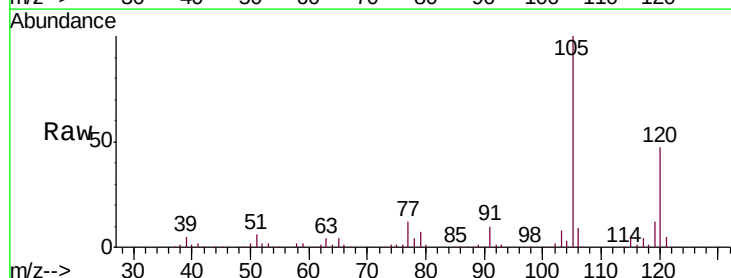
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

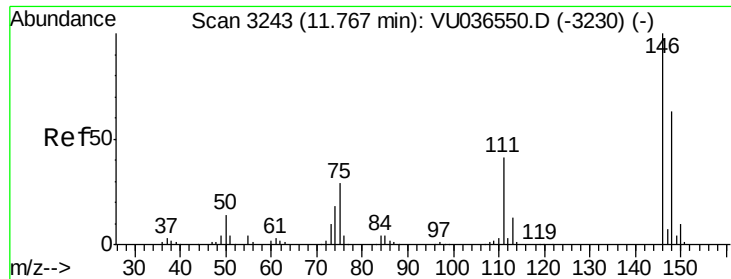
Tgt Ion:105 Resp: 213027
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.218 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion:105 Resp: 209264
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.9 55.3

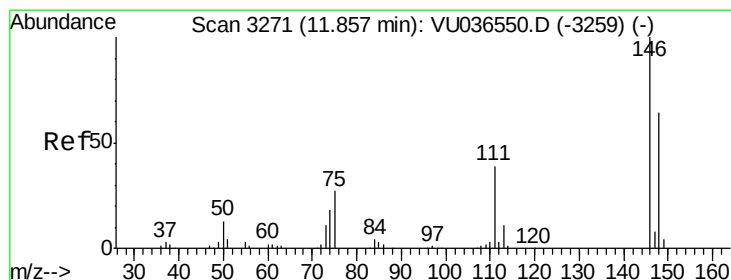
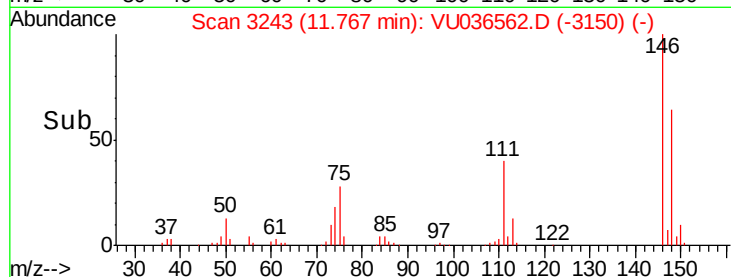
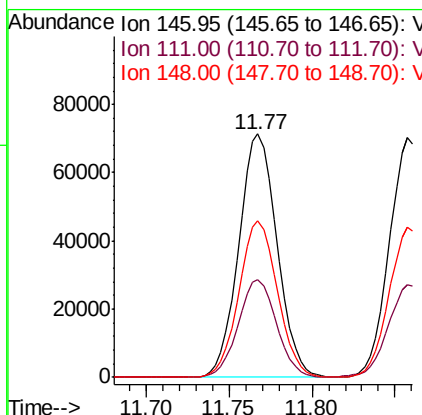
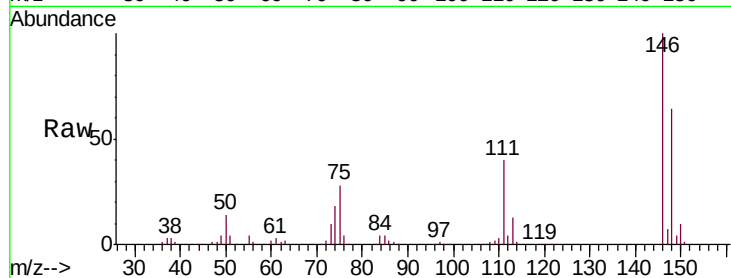




#64
 1,3-Dichlorobenzene
 Concen: 5.203 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

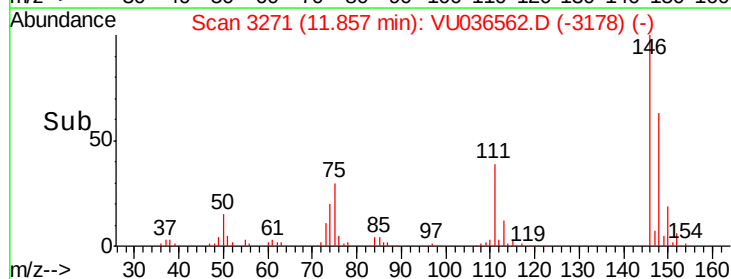
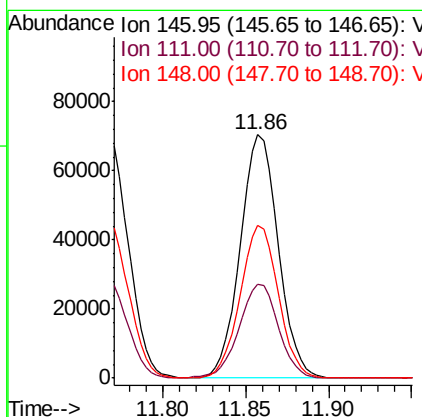
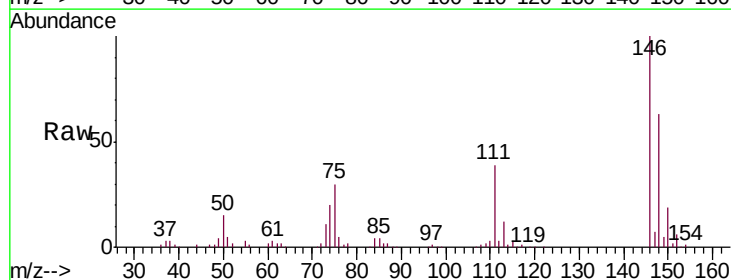
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

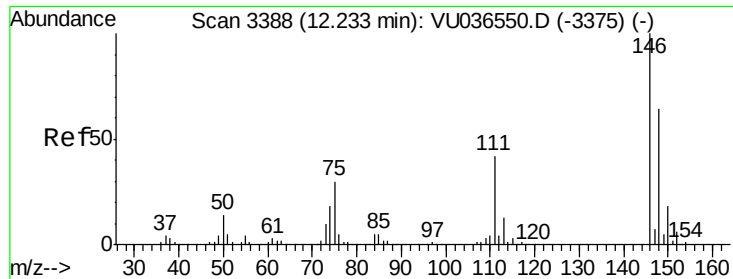
Tgt Ion:146 Resp: 114396
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.8 53.6
 148 64.1 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 5.097 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion:146 Resp: 112145
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.6
 148 62.5 44.8 83.2

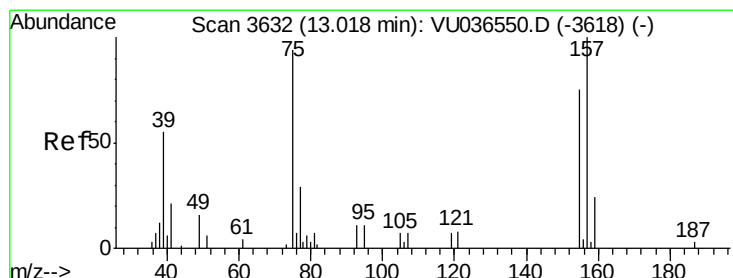
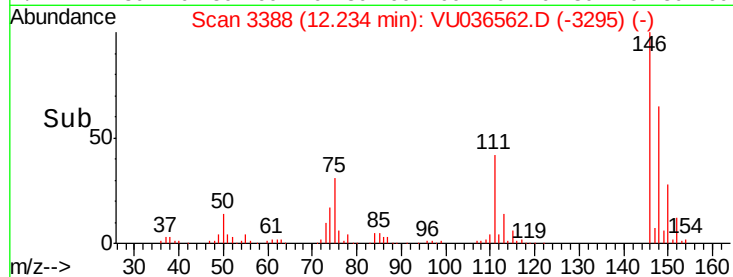
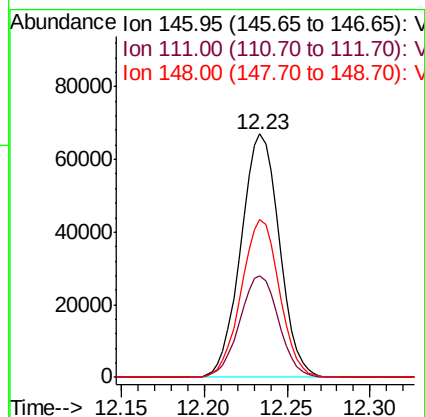
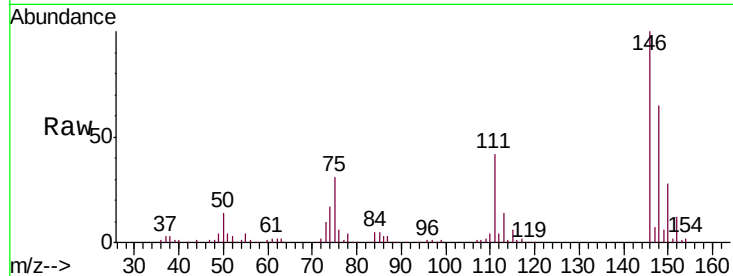




#67
 1,2-Dichlorobenzene
 Concen: 5.160 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

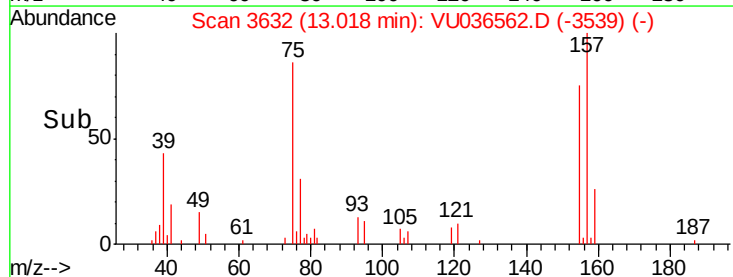
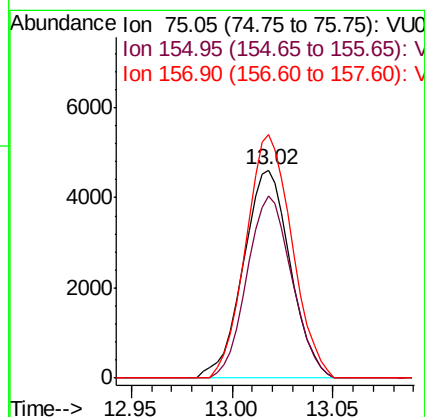
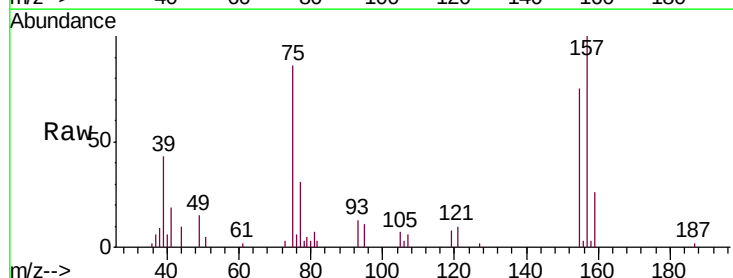
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

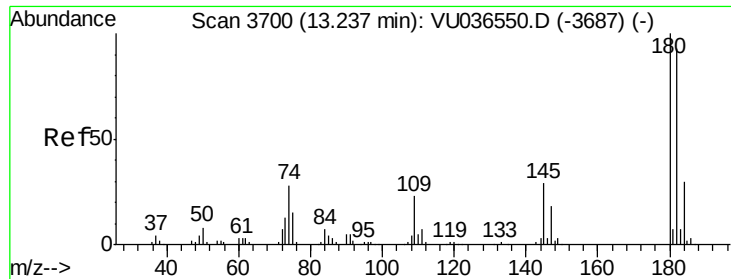
Tgt Ion:146 Resp: 108365
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.4 50.0
 148 64.6 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.458 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion: 75 Resp: 7510
 Ion Ratio Lower Upper
 75 100
 155 87.2 64.2 96.4
 157 116.9 85.1 127.7

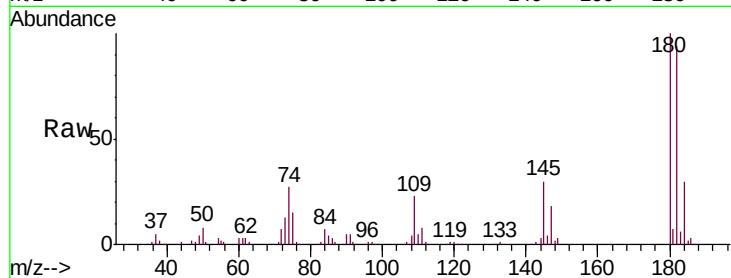




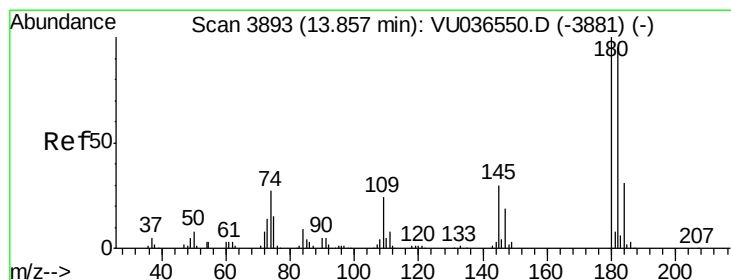
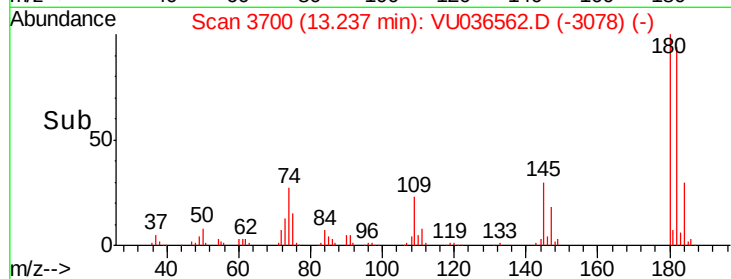
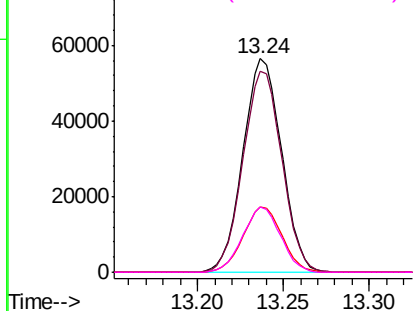
#69
 1,3,5-Trichlorobenzene
 Concen: 5.224 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005608

Tgt Ion:180 Resp: 88246
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 184 30.7 23.9 35.9
 145 29.9 22.7 34.1

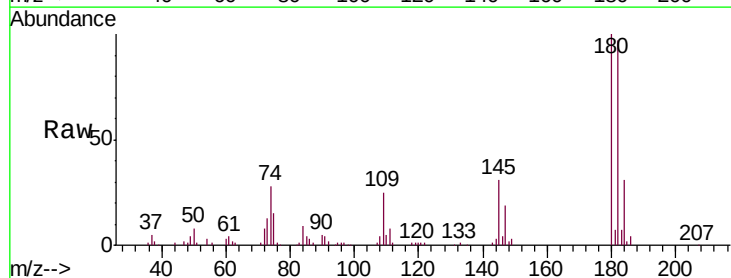


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

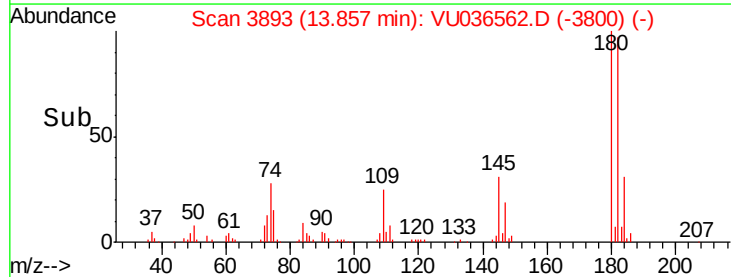
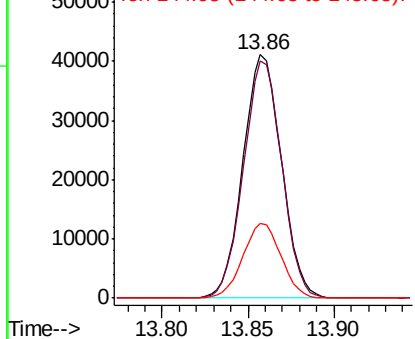


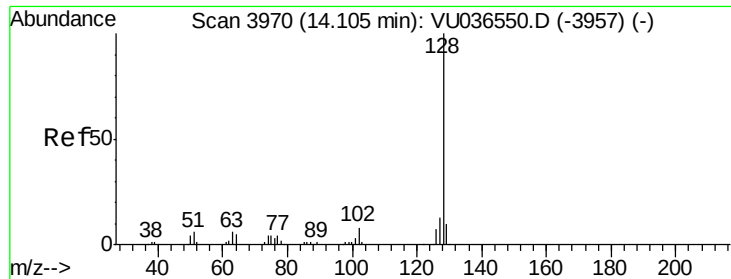
#70
 1,2,4-trichlorobenzene
 Concen: 5.193 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036562.D
 Acq: 27 Jan 2020 09:37

Tgt Ion:180 Resp: 63751
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.2 114.4
 145 30.4 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

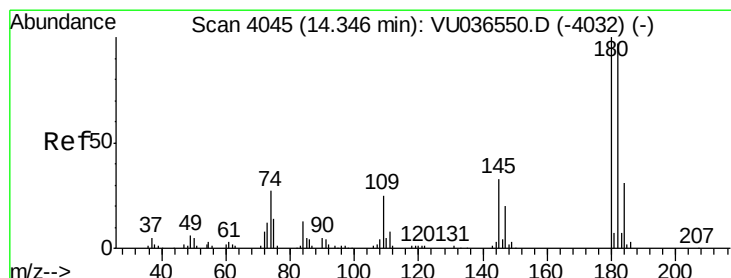
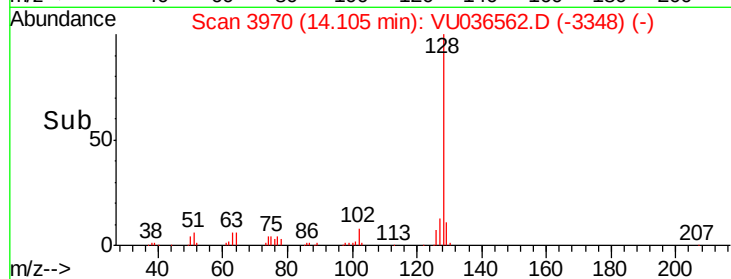
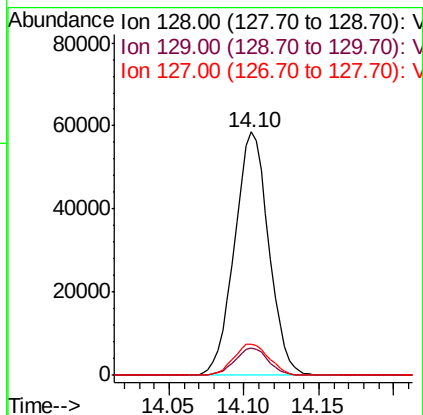
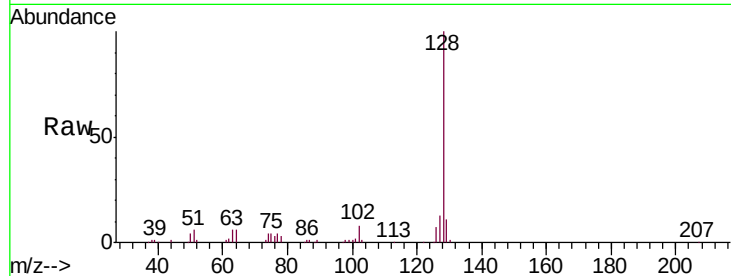




#71
Naphthalene
Concen: 5.313 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD005608

Tgt Ion:128 Resp: 93034
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 13.2 9.9 14.9



#72
1,2,3-Trichlorobenzene
Concen: 5.275 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036562.D
Acq: 27 Jan 2020 09:37

Tgt Ion:180 Resp: 58537
Ion Ratio Lower Upper
180 100
182 95.9 76.2 114.2
145 32.3 25.6 38.4

