

Data File : VU036569.D
Acq On : 28 Jan 2020 10:06
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

Quant Time: Jan 29 06:10:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 02:33:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	151459	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	140522	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	70549	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36667	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.93	69	35578	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.59	65	15847	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.69	46	88602	48.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.56%
24) Chloroform-d	5.11	84	76862	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.74	65	39314	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.77	84	159512	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.73	67	50291	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.93	98	153772	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.21	79	20770	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.67	63	104695	54.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.46%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	44298	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	59028	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	56865	5.120 ug/L	98
3) Chloromethane	1.53	50	58279	4.969 ug/L	98
5) Vinyl chloride	1.62	62	64389	5.058 ug/L	100
6) Bromomethane	1.87	94	40637	5.495 ug/L	97
8) Chloroethane	1.95	64	38571	4.899 ug/L	95
9) Trichlorofluoromethane	2.16	101	74763	5.049 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	47379	5.189 ug/L	97
12) 1,1-Dichloroethene	2.60	96	46871	5.177 ug/L	97
13) Acetone	2.68	43	56819	41.538 ug/L	99
14) Carbon disulfide	2.82	76	143408	5.035 ug/L	100
15) Methyl Acetate	2.99	43	14887	4.258 ug/L	90
16) Methylene chloride	3.08	84	52958	4.300 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	118736	5.222 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	50125	5.154 ug/L	98
19) 1,1-Dichloroethane	3.91	63	87698	5.168 ug/L	99
21) 2-Butanone	4.77	43	101780	46.014 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	56620	5.219 ug/L	97

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

Quant Time: Jan 29 06:10:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 02:33:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	24724	5.414	ug/L	96
25) Chloroform	5.13	83	88232	5.217	ug/L	100
27) 1,2-Dichloroethane	5.83	62	54041	5.095	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	72881	5.194	ug/L	100
30) Cyclohexane	5.43	56	81623	5.098	ug/L	100
31) Carbon tetrachloride	5.56	117	62021	5.212	ug/L	100
33) Benzene	5.81	78	204607	5.182	ug/L	100
34) Trichloroethene	6.58	95	53923	5.155	ug/L	98
35) Methylcyclohexane	6.80	83	93002	5.190	ug/L	99
37) 1,2-Dichloropropane	6.83	63	50479	5.141	ug/L	100
38) Bromodichloromethane	7.14	83	63285	5.275	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	81152	5.358	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	296472	53.682	ug/L	99
42) Toluene	8.00	91	227761	5.223	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	63785	5.472	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	38461	5.294	ug/L	97
47) Tetrachloroethene	8.58	164	44167	5.186	ug/L	99
48) 2-Hexanone	8.72	43	211235	55.440	ug/L	99
49) Dibromochloromethane	8.84	129	45422	5.463	ug/L	99
50) 1,2-Dibromoethane	8.95	107	37724	5.333	ug/L	95
51) Chlorobenzene	9.47	112	144793	5.170	ug/L	99
52) Ethylbenzene	9.59	91	243613	5.130	ug/L	99
53) m,p-Xylene	9.72	106	95282	5.172	ug/L	98
54) o-Xylene	10.12	106	93944	5.204	ug/L	98
55) Styrene	10.14	104	154541	5.215	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	50345	5.528	ug/L	96
59) Bromoform	10.32	173	26709	5.635	ug/L	97
60) Isopropylbenzene	10.51	105	245977	5.158	ug/L	100
61) 1,2,3-Trichloropropane	10.85	75	34637	5.274	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	214355	5.245	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	212061	5.229	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	114503	5.150	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	114514	5.147	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	109691	5.165	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.02	75	7420	5.333	ug/L	90
69) 1,3,5-Trichlorobenzene	13.24	180	87596	5.128	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	63692	5.131	ug/L	99
71) Naphthalene	14.10	128	90551	5.114	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	59035	5.261	ug/L	99

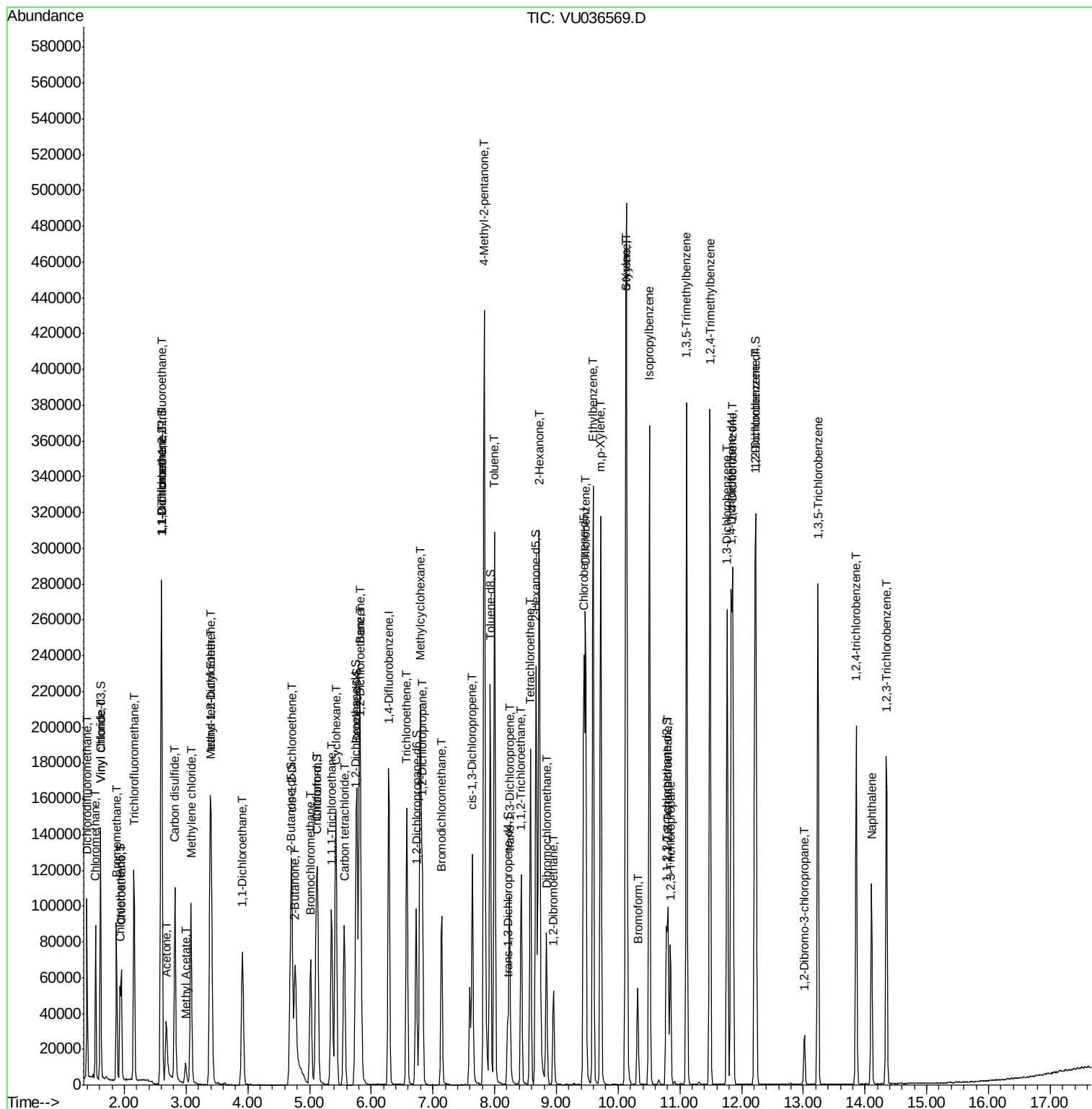
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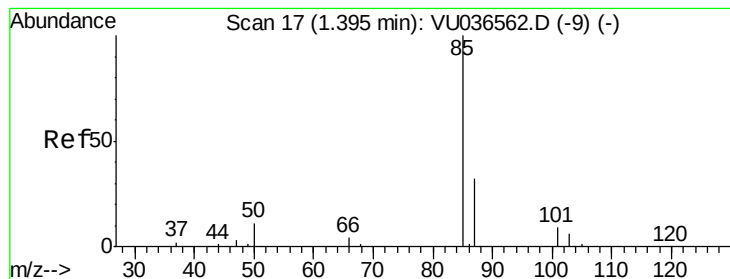
Data File : VU036569.D

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Acq On       : 28 Jan 2020   10:06
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ALS Vial    : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

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#2

Dichlorodifluoromethane

Concen: 5.120 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

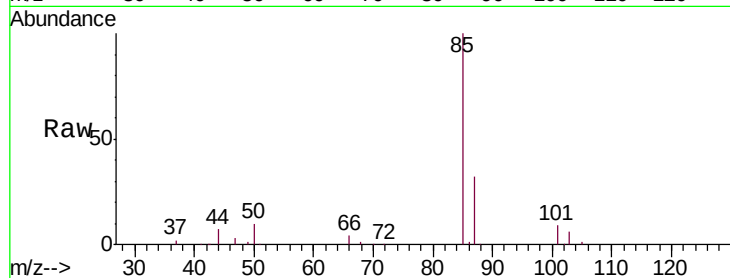
VSTD00610

Tgt Ion: 85 Resp: 56865

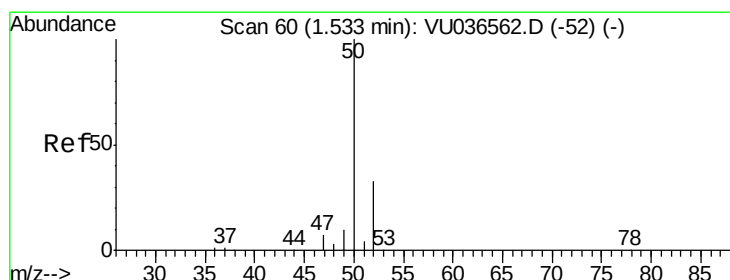
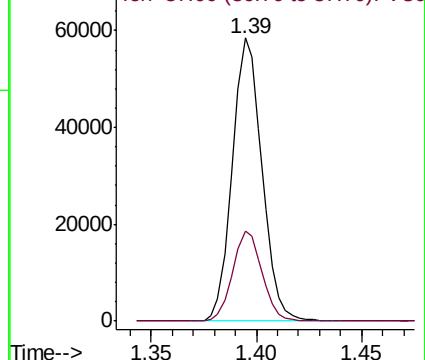
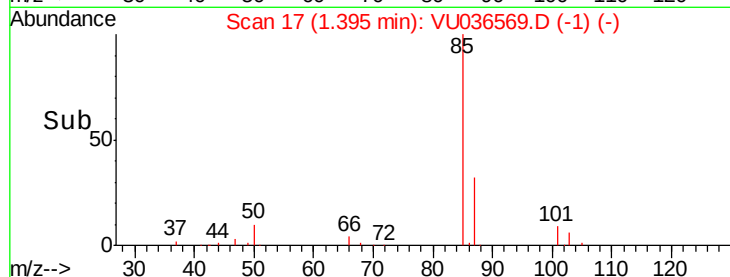
Ion Ratio Lower Upper

85 100

87 31.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036569.D (-1) (-)



#3

Chloromethane

Concen: 4.969 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036569.D

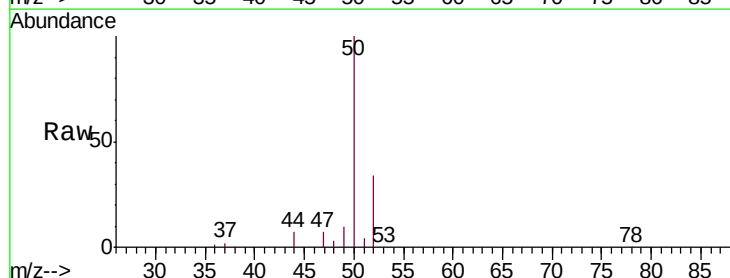
Acq: 28 Jan 2020 10:06

Tgt Ion: 50 Resp: 58279

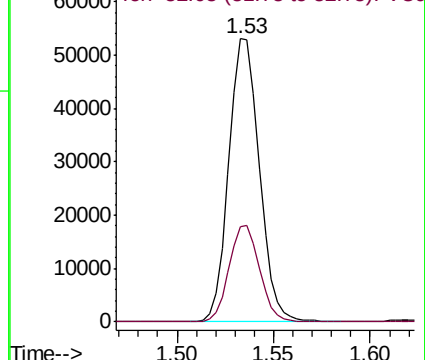
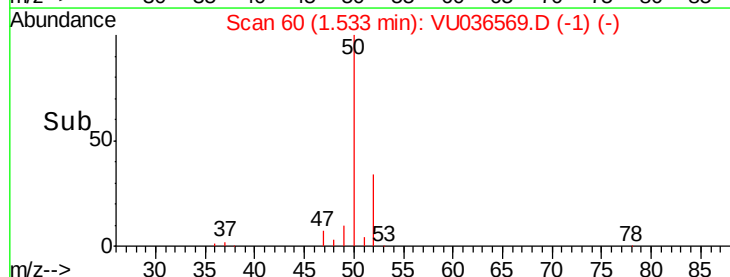
Ion Ratio Lower Upper

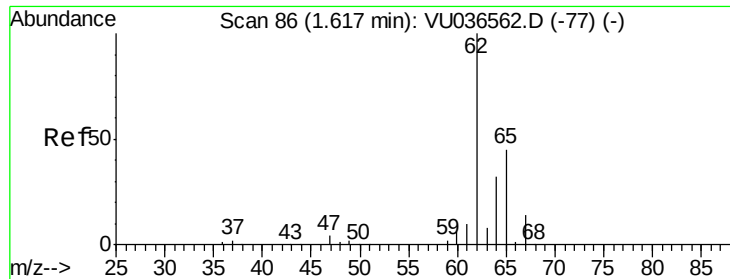
50 100

52 33.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036569.D (-1) (-)





#5

Vinyl chloride

Concen: 5.058 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

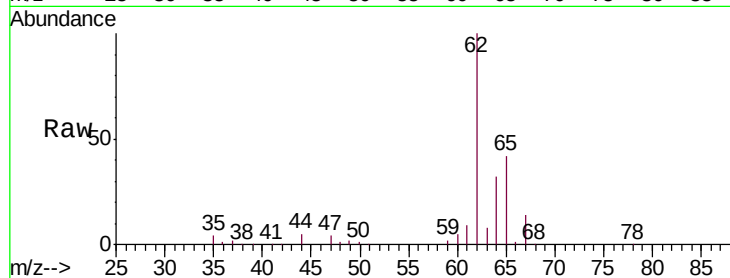
VSTD00610

Tgt Ion: 62 Resp: 64389

Ion Ratio Lower Upper

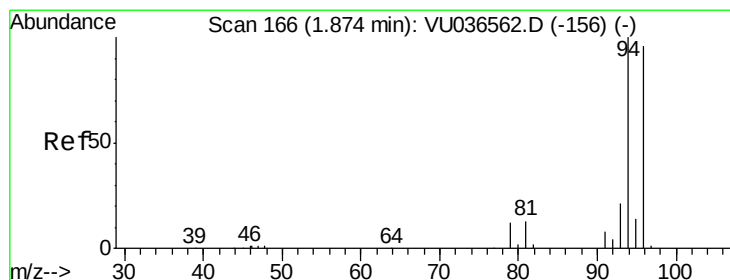
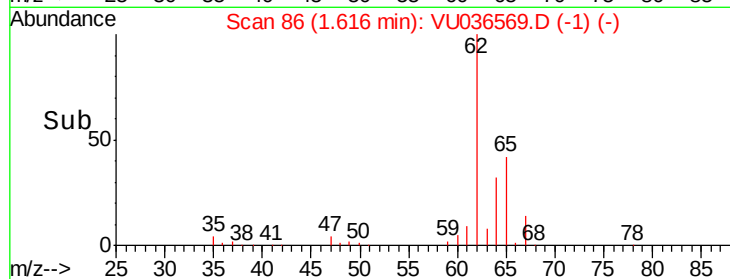
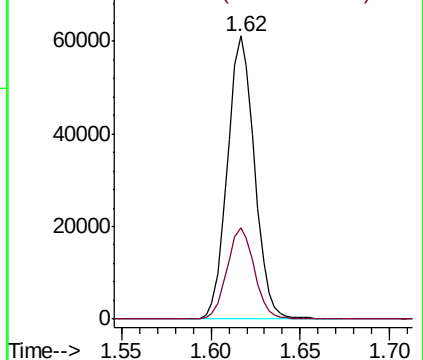
62 100

64 32.5 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU036562.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036569.D (-73) (-)



#6

Bromomethane

Concen: 5.495 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036569.D

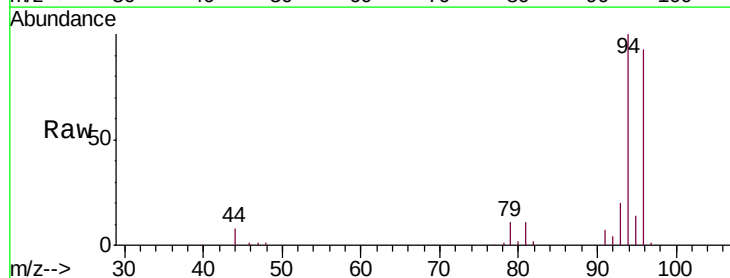
Acq: 28 Jan 2020 10:06

Tgt Ion: 94 Resp: 40637

Ion Ratio Lower Upper

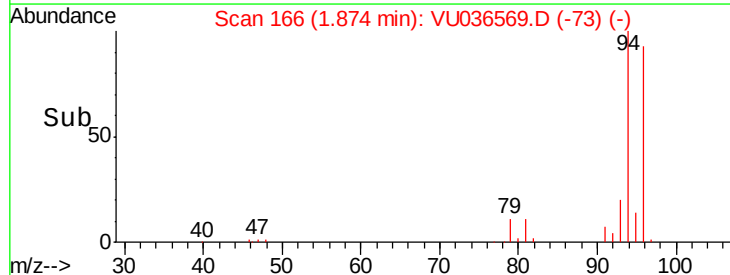
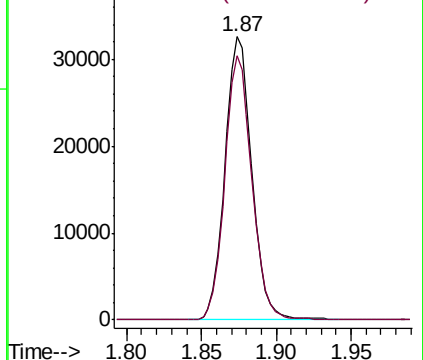
94 100

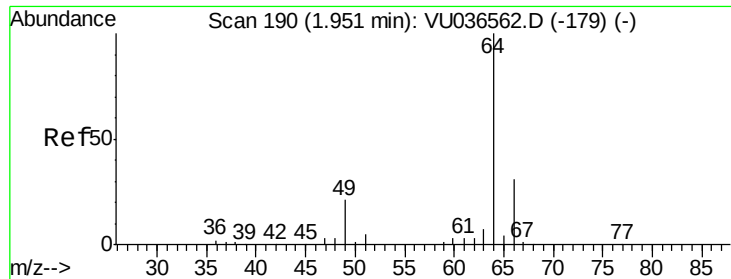
96 93.5 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036562.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036569.D (-73) (-)

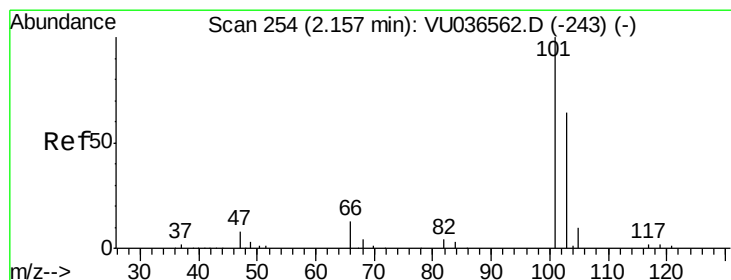
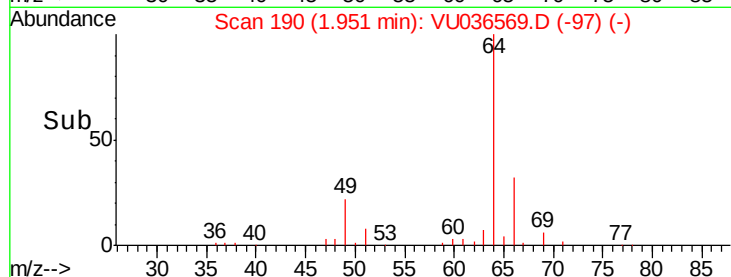
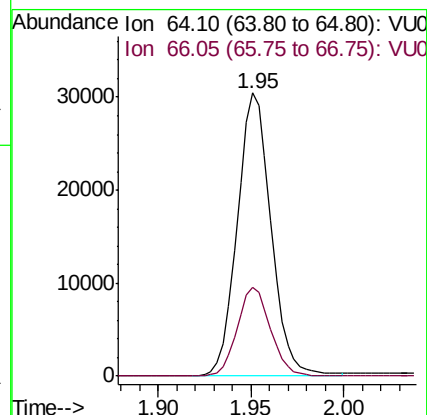
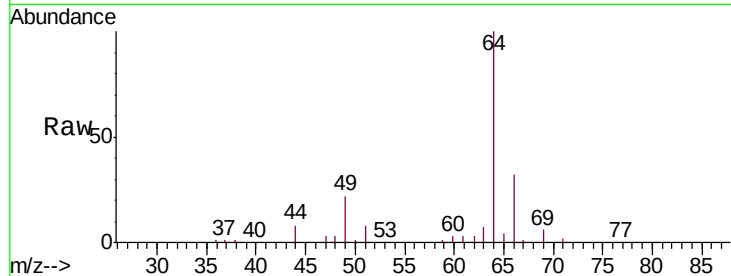




#8
Chloroethane
Concen: 4.899 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

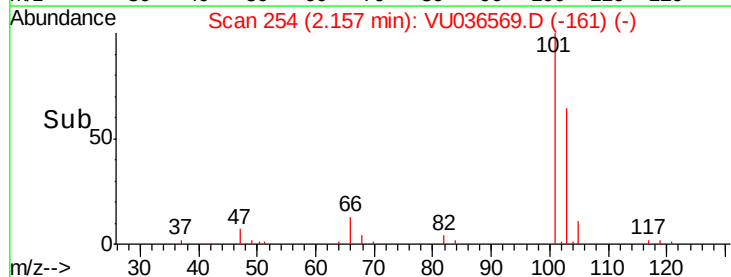
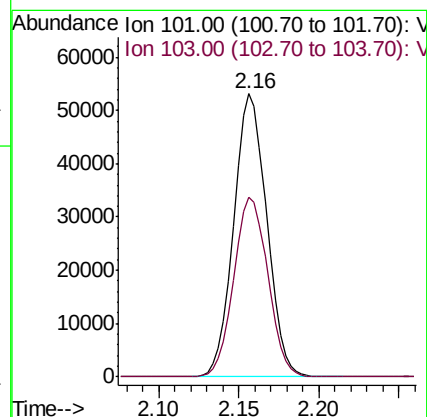
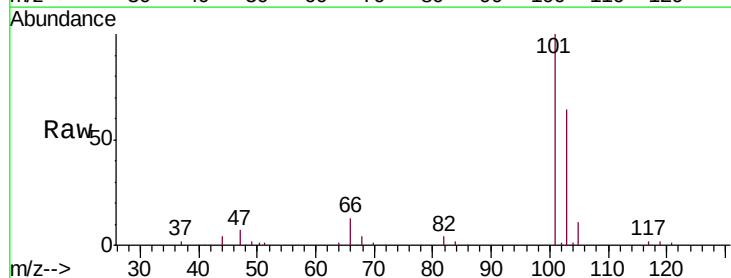
Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

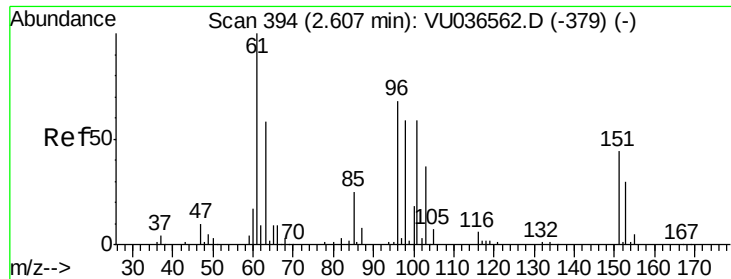
Tgt Ion: 64 Resp: 38571
Ion Ratio Lower Upper
64 100
66 31.6 24.1 44.8



#9
Trichlorofluoromethane
Concen: 5.049 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Tgt Ion: 101 Resp: 74763
Ion Ratio Lower Upper
101 100
103 65.5 52.5 78.7





#10

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

Concen: 5.189 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

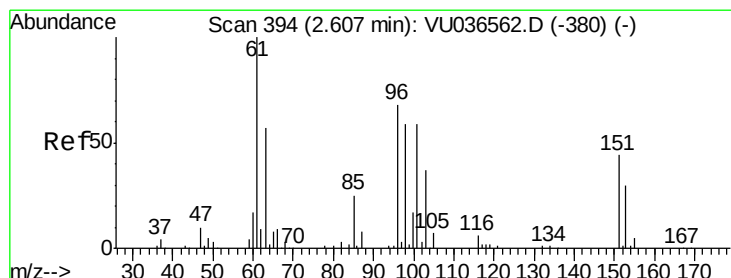
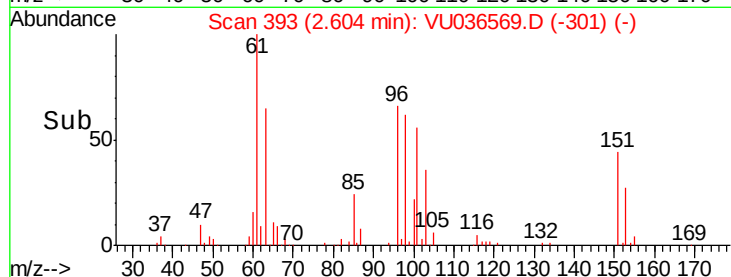
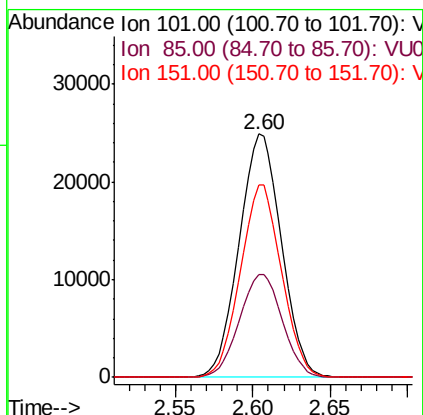
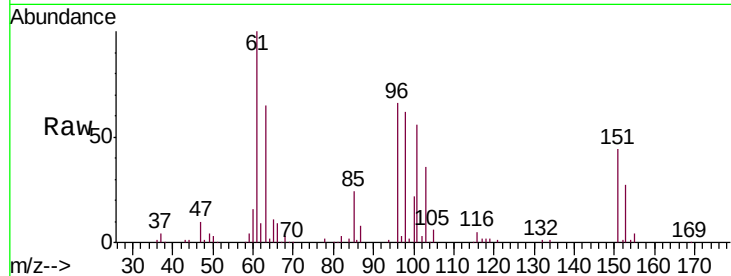
Tgt Ion: 101 Resp: 47379

Ion Ratio Lower Upper

101 100

85 42.7 32.2 48.4

151 76.7 59.2 88.8



#12

1,1-Dichloroethene

Concen: 5.177 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

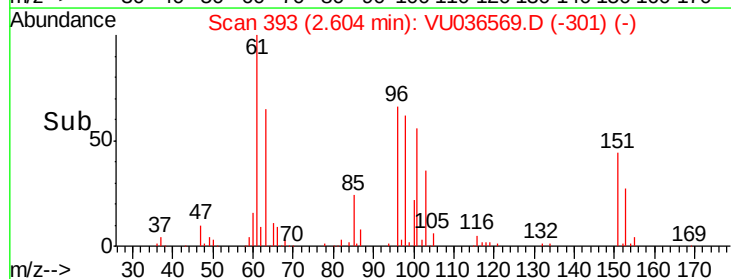
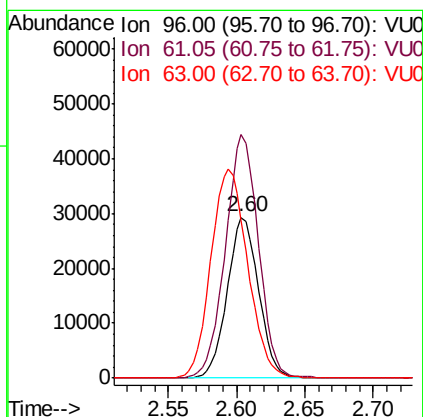
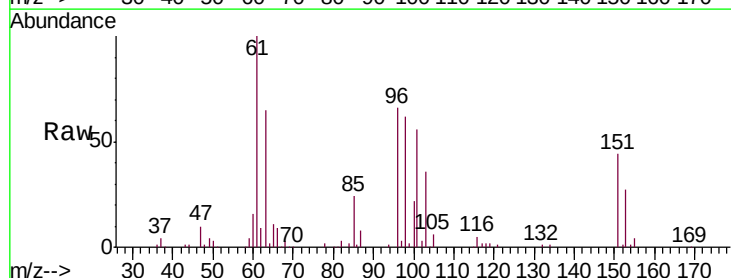
Tgt Ion: 96 Resp: 46871

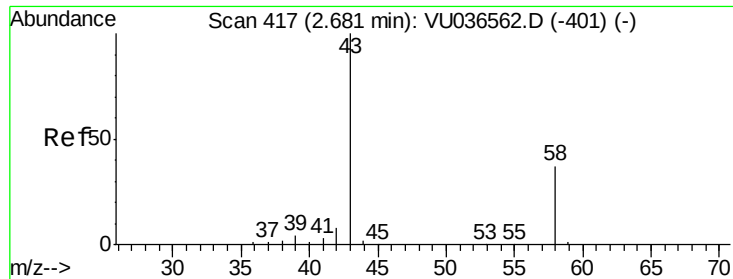
Ion Ratio Lower Upper

96 100

61 151.4 108.2 201.0

63 98.4 72.0 133.8





#13

Acetone

Concen: 41.538 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

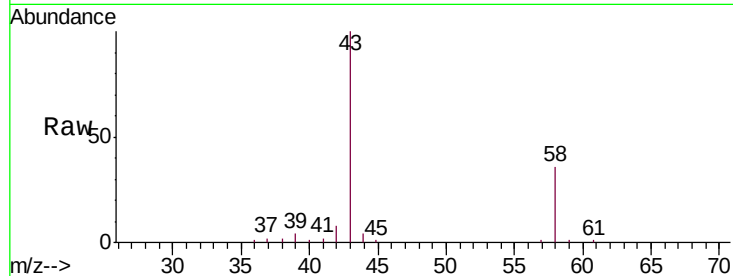
VSTD00610

Tgt Ion: 43 Resp: 56819

Ion Ratio Lower Upper

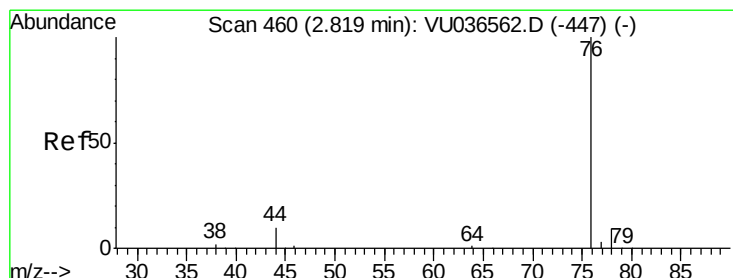
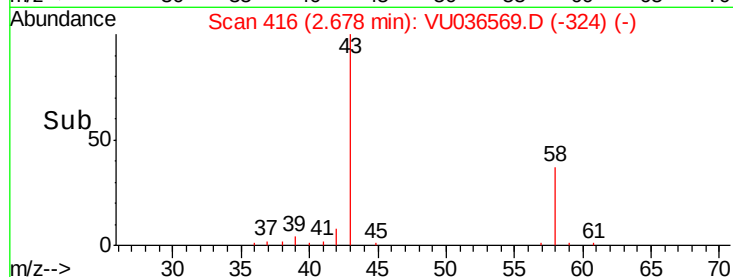
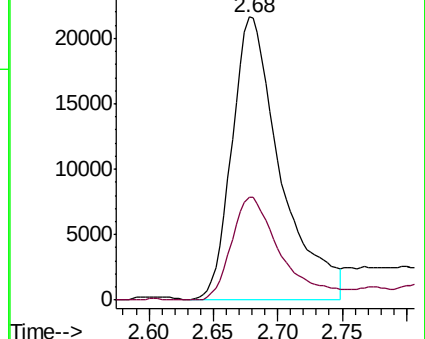
43 100

58 37.6 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036562.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036562.D (-401) (-)



#14

Carbon disulfide

Concen: 5.035 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036569.D

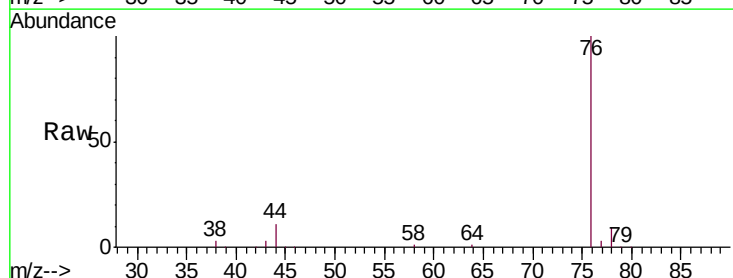
Acq: 28 Jan 2020 10:06

Tgt Ion: 76 Resp: 143408

Ion Ratio Lower Upper

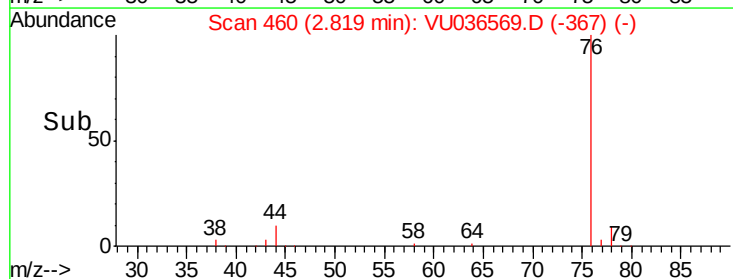
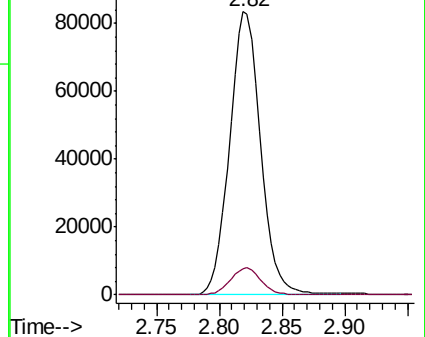
76 100

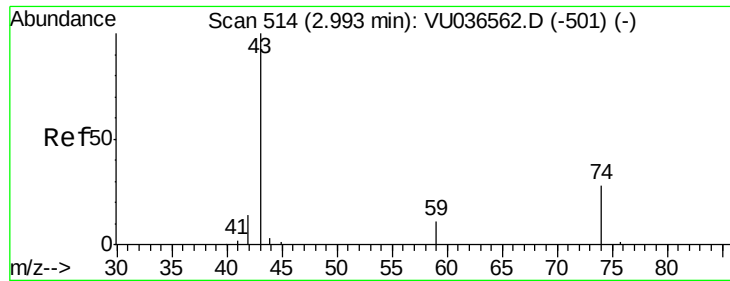
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036562.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036562.D (-447) (-)

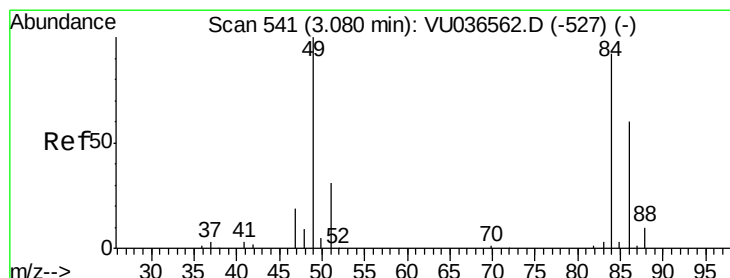
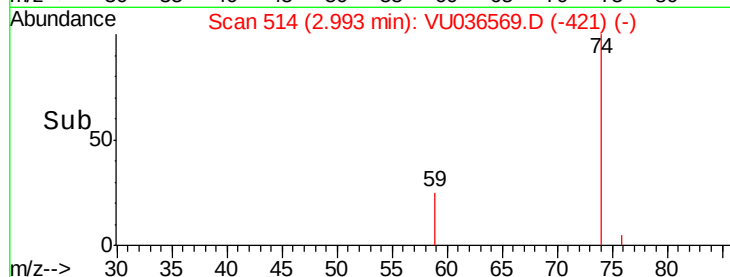
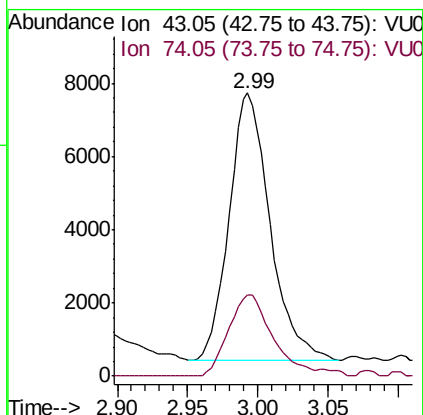
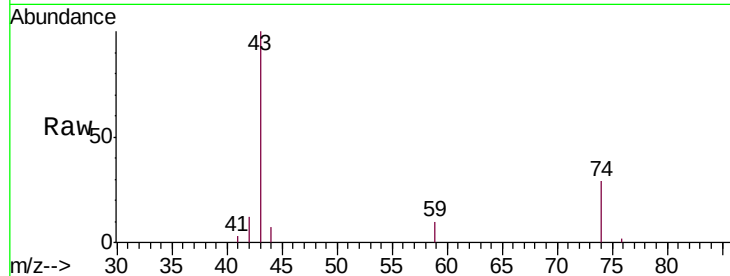




#15
Methyl Acetate
Concen: 4.258 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

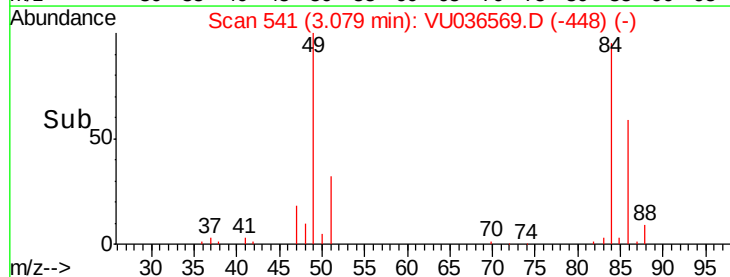
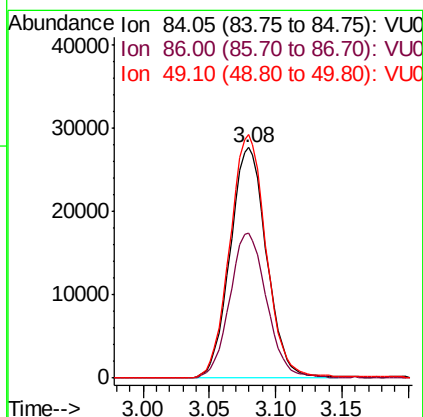
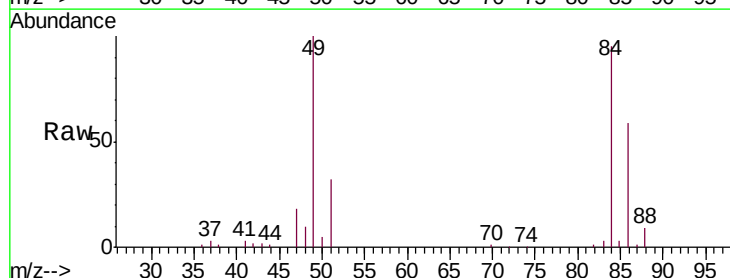
Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

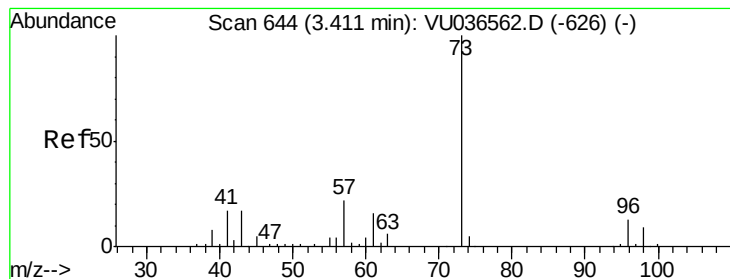
Tgt Ion: 43 Resp: 14887
Ion Ratio Lower Upper
43 100
74 33.5 22.7 34.1



#16
Methylene chloride
Concen: 4.300 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Tgt Ion: 84 Resp: 52958
Ion Ratio Lower Upper
84 100
86 62.8 44.8 83.2
49 105.8 74.8 139.0





#17

Methyl tert-butyl Ether

Concen: 5.222 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

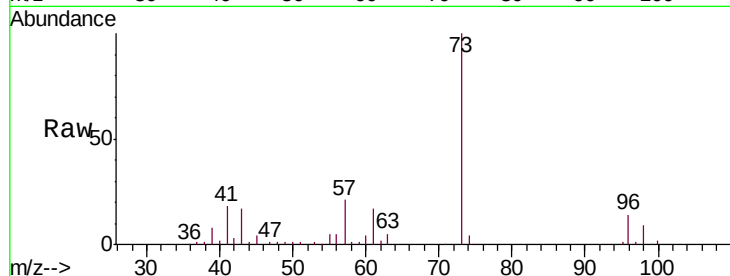
Tgt Ion: 73 Resp: 118736

Ion Ratio Lower Upper

73 100

43 17.7 14.6 21.8

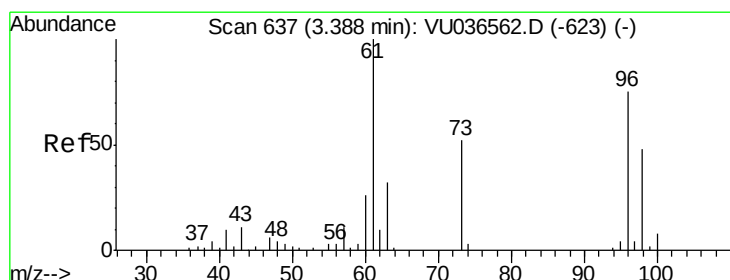
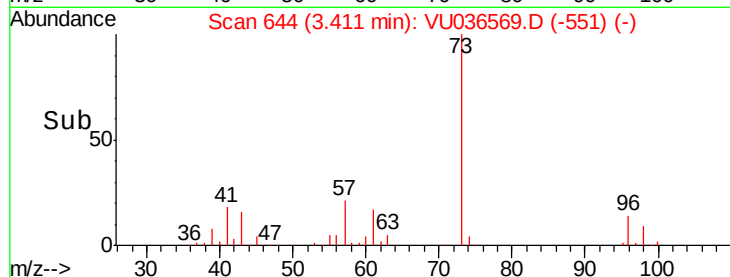
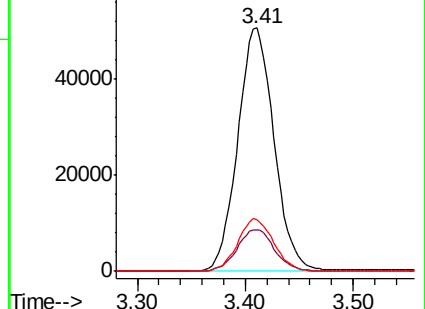
57 21.3 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VU036562.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036562.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036562.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.154 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

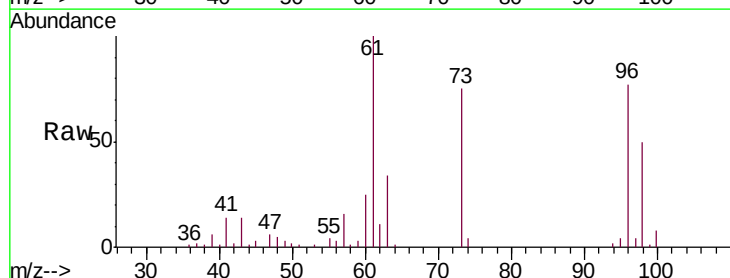
Tgt Ion: 96 Resp: 50125

Ion Ratio Lower Upper

96 100

61 129.5 93.1 172.9

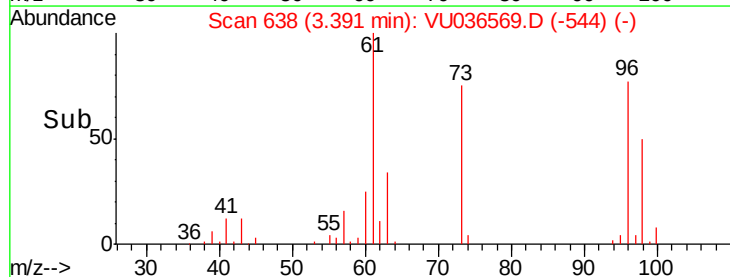
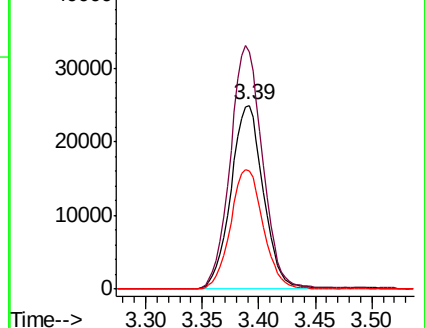
98 64.4 45.5 84.5

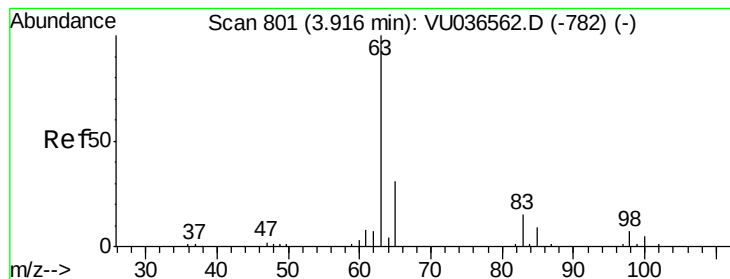


Abundance Ion 96.00 (95.70 to 96.70): VU036562.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036562.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036562.D (-623) (-)





#19

1,1-Dichloroethane

Concen: 5.168 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

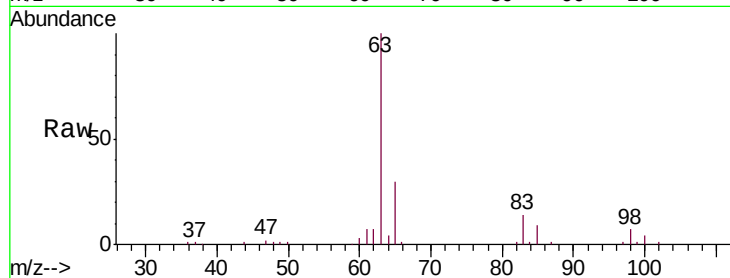
Tgt Ion: 63 Resp: 87698

Ion Ratio Lower Upper

63 100

65 30.3 21.8 40.6

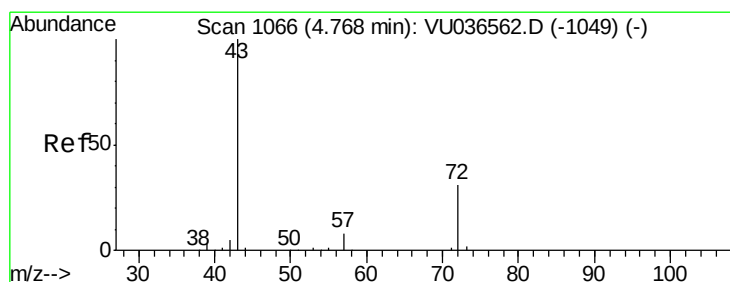
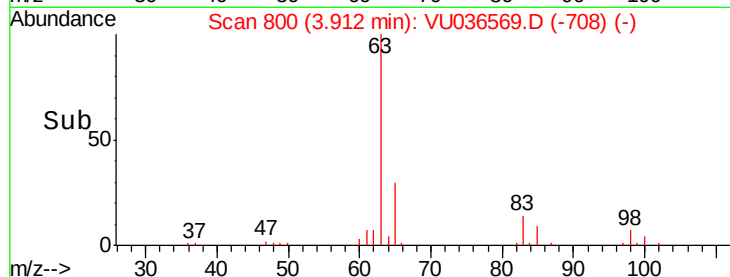
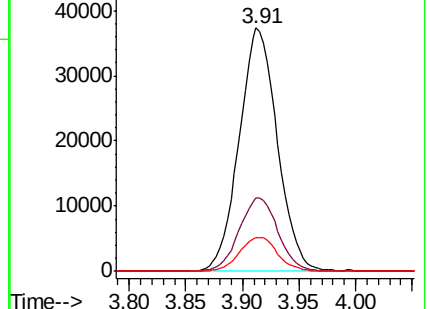
83 13.6 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036562.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036562.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036562.D (-782) (-)



#21

2-Butanone

Concen: 46.014 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU036569.D

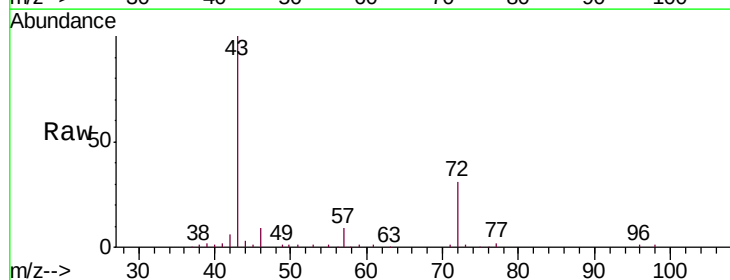
Acq: 28 Jan 2020 10:06

Tgt Ion: 43 Resp: 101780

Ion Ratio Lower Upper

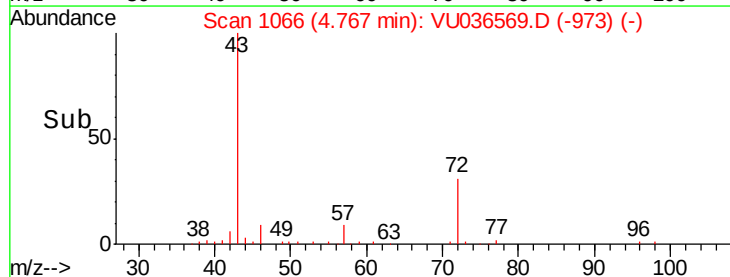
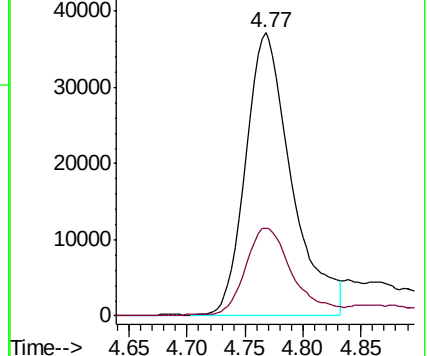
43 100

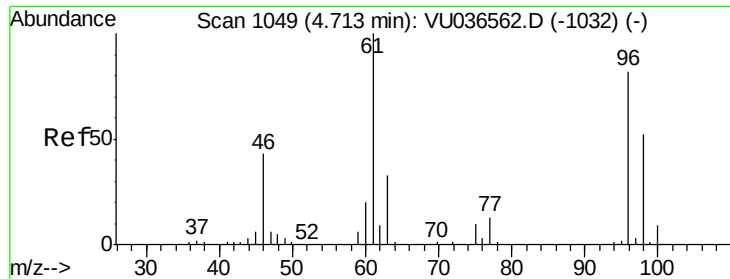
72 32.7 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036562.D (-1049) (-)

Ion 72.10 (71.80 to 72.80): VU036562.D (-1049) (-)

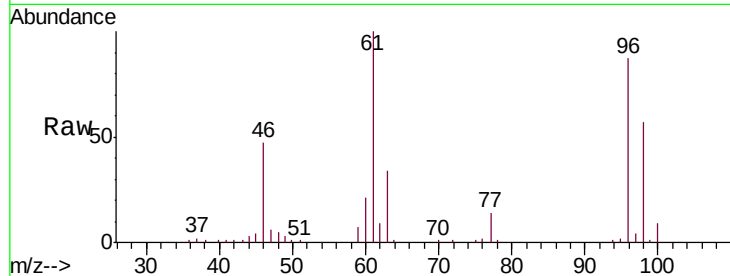




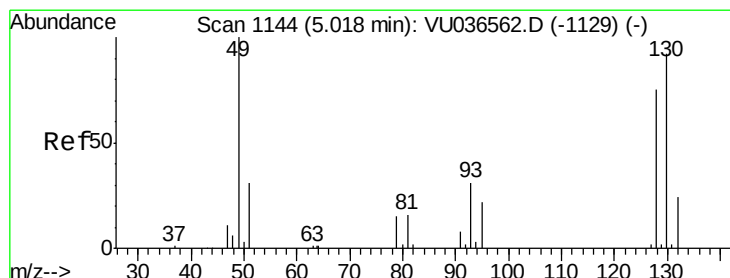
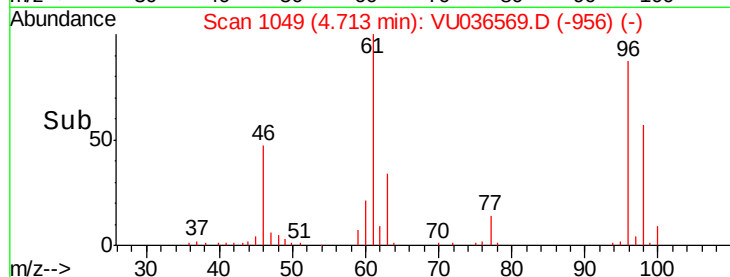
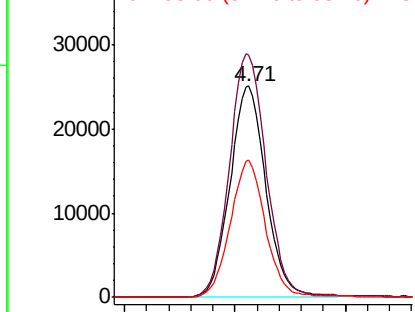
#22
 cis-1,2-Dichloroethene
 Concen: 5.219 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

Tgt Ion: 96 Resp: 56620
 Ion Ratio Lower Upper
 96 100
 61 114.8 83.0 154.1
 98 64.9 43.8 81.3

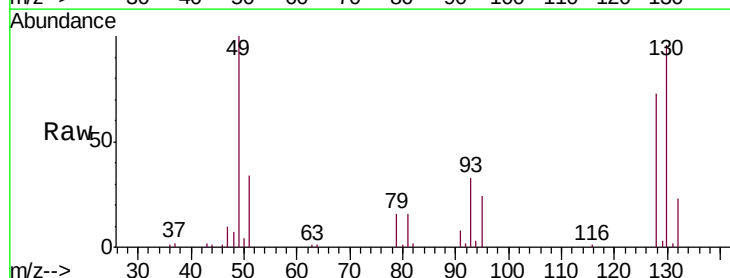


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 98.00 (97.70 to 98.70): VU0

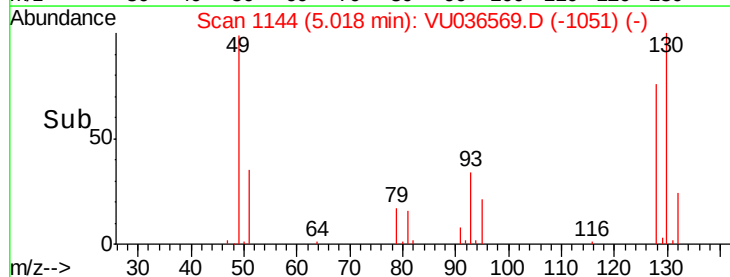
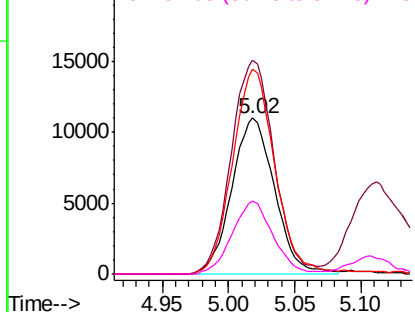


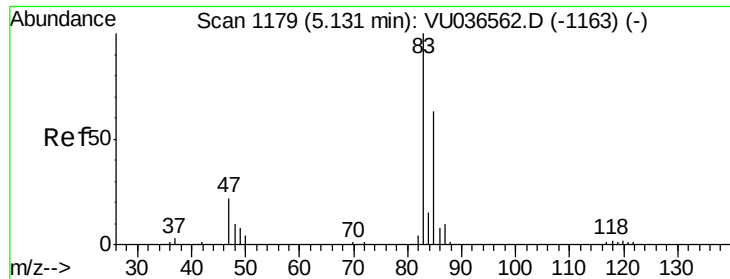
#23
 Bromochloromethane
 Concen: 5.414 ug/L
 RT: 5.02 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion: 128 Resp: 24724
 Ion Ratio Lower Upper
 128 100
 49 137.3 98.6 183.2
 130 131.7 89.1 165.5
 51 47.0 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

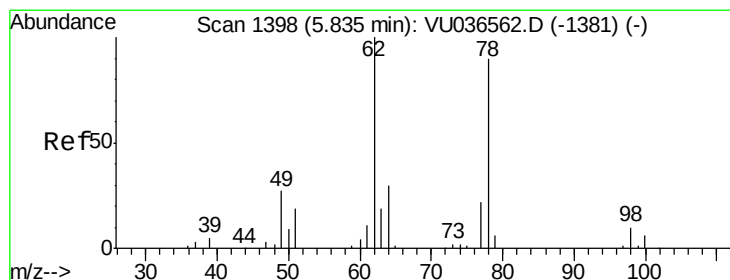
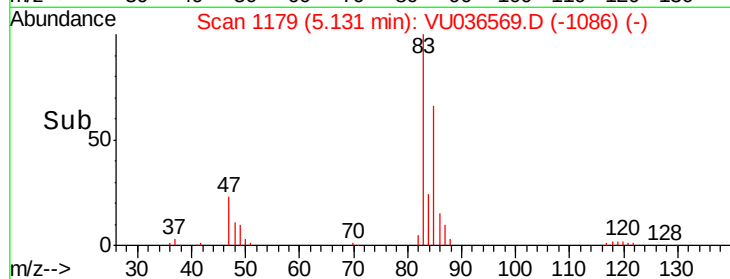
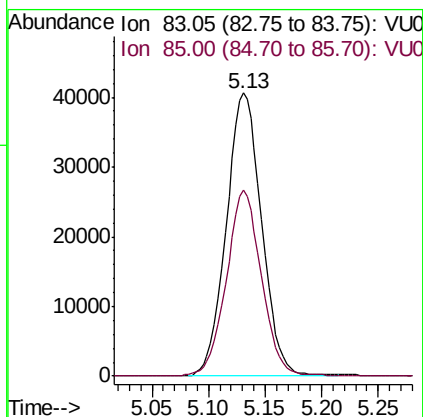
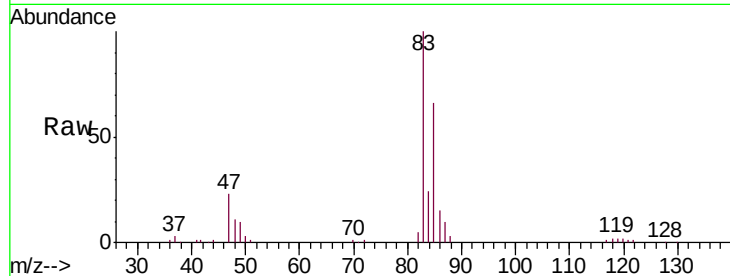




#25
Chloroform
Concen: 5.217 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

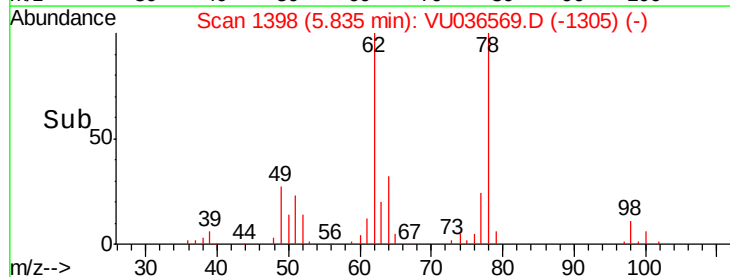
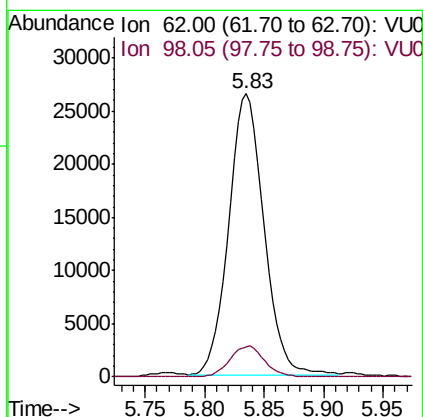
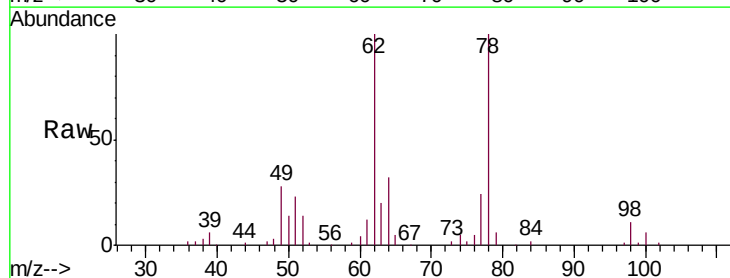
Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

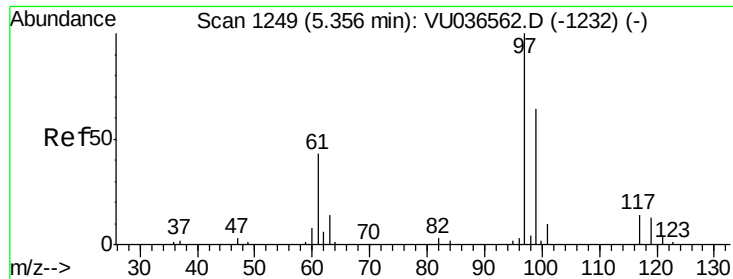
Tgt Ion: 83 Resp: 88232
Ion Ratio Lower Upper
83 100
85 65.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.095 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Tgt Ion: 62 Resp: 54041
Ion Ratio Lower Upper
62 100
98 10.7 8.5 12.7

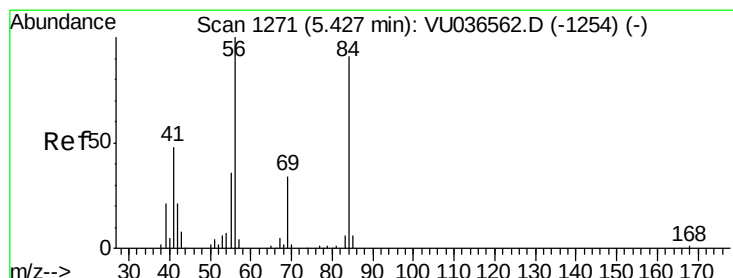
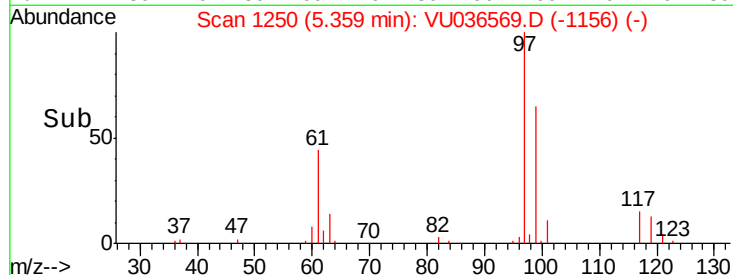
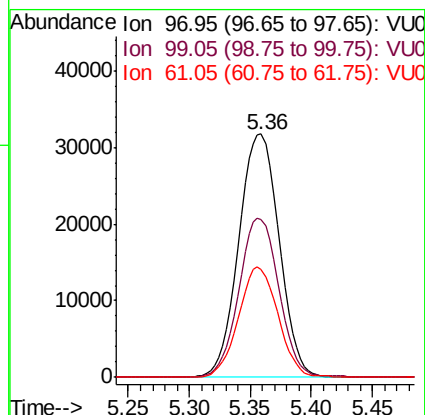
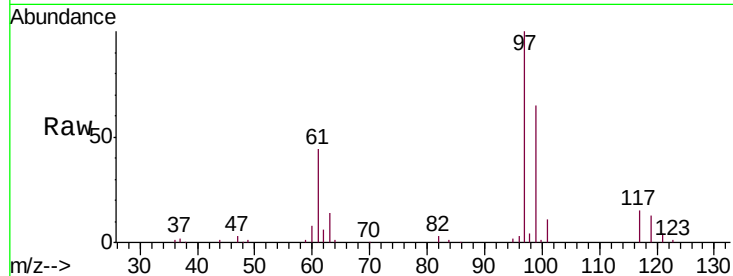




#29
 1,1,1-Trichloroethane
 Concen: 5.194 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

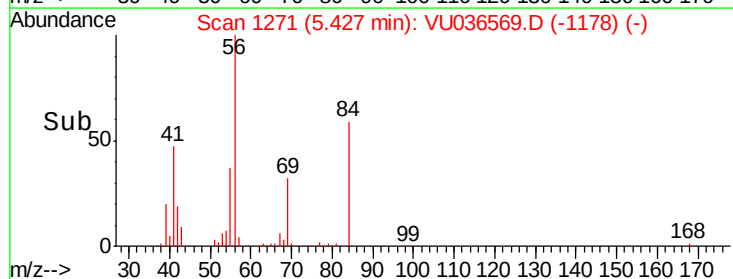
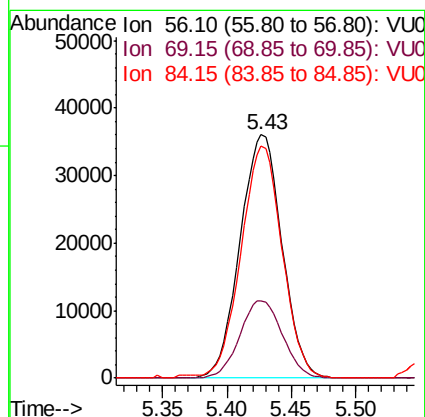
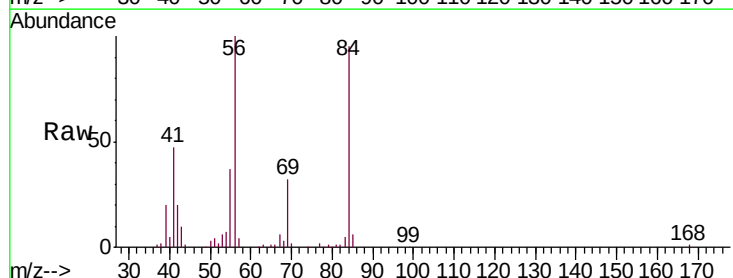
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

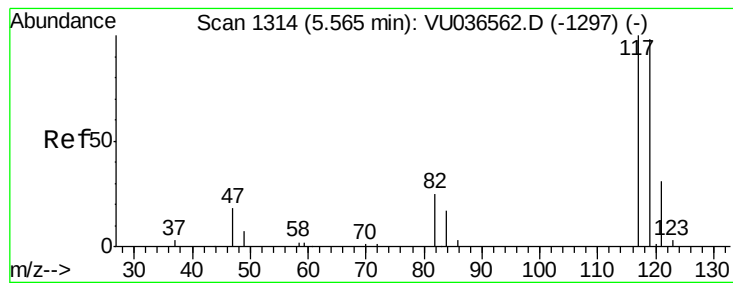
Tgt Ion: 97 Resp: 72881
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 44.3 35.6 53.4



#30
 Cyclohexane
 Concen: 5.098 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion: 56 Resp: 81623
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.7 38.5
 84 93.9 75.3 112.9





#31

Carbon tetrachloride

Concen: 5.212 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

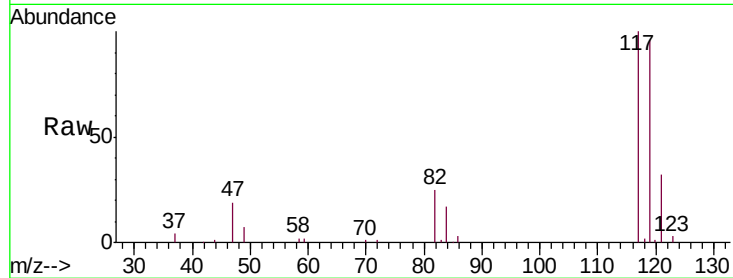
VSTD00610

Tgt Ion:117 Resp: 62021

Ion Ratio Lower Upper

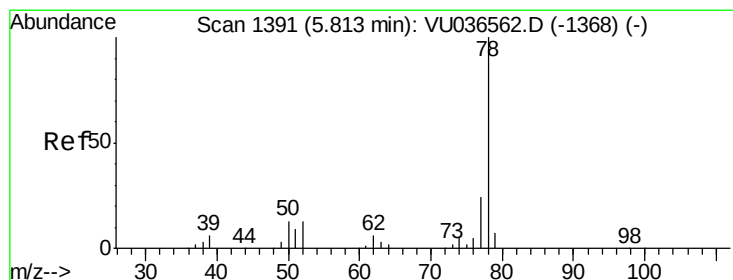
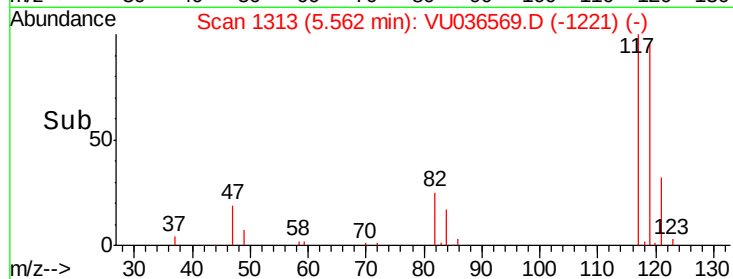
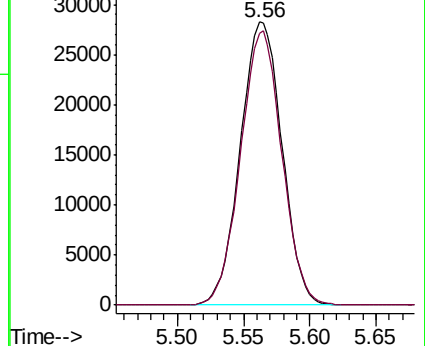
117 100

119 95.7 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: 5.182 ug/L

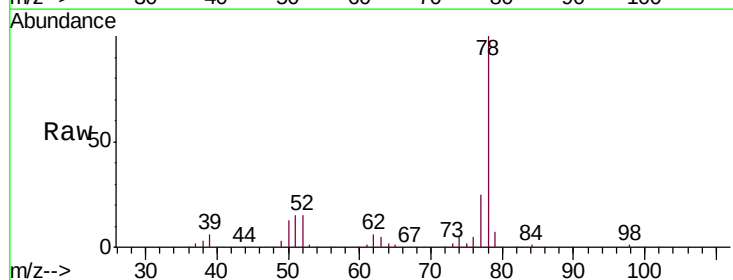
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

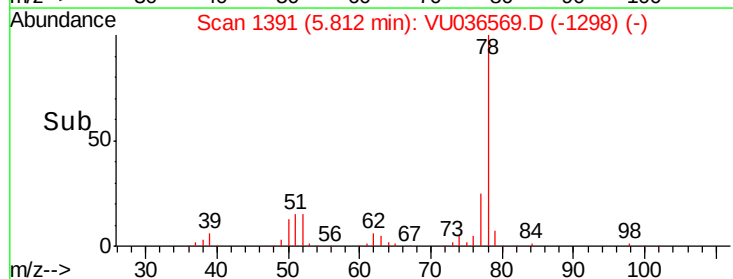
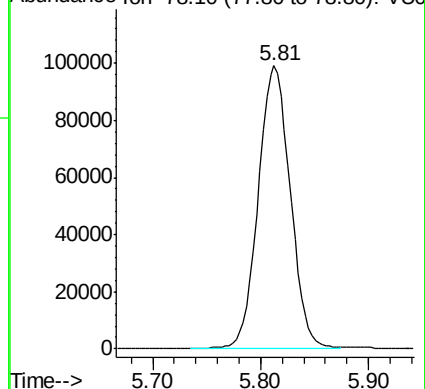
Lab File: VU036569.D

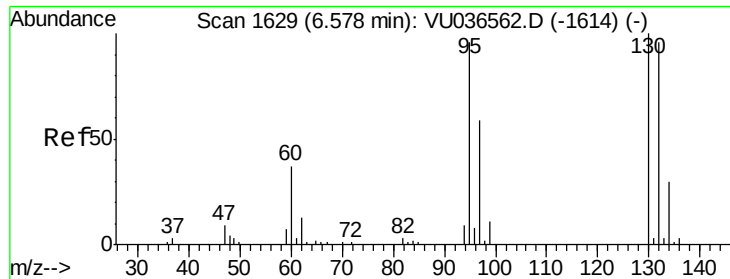
Acq: 28 Jan 2020 10:06

Tgt Ion: 78 Resp: 204607



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.155 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

Tgt Ion: 95 Resp: 53923

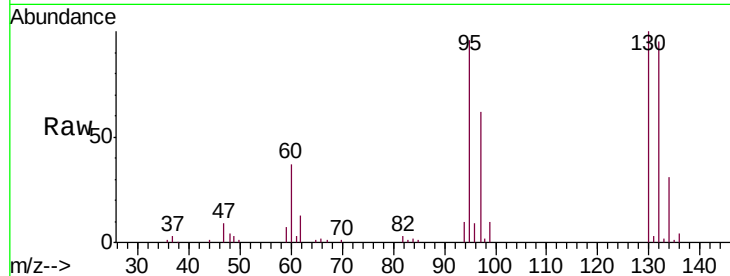
Ion Ratio Lower Upper

95 100

97 64.9 45.6 84.8

132 99.6 67.7 125.7

130 104.6 72.2 134.2

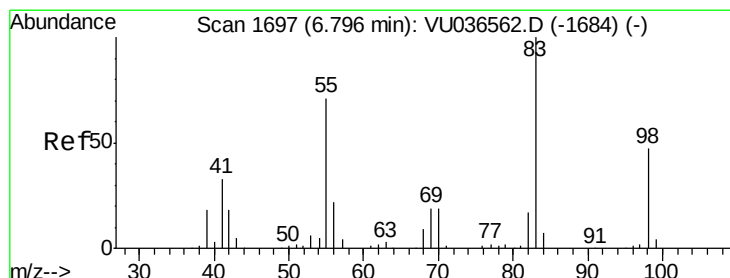
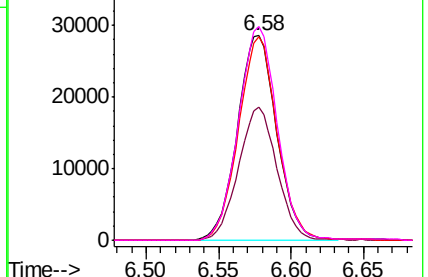
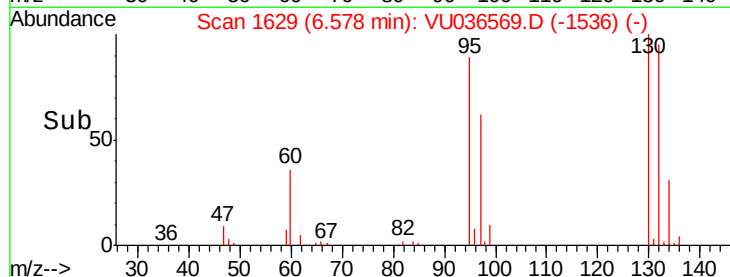


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.190 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

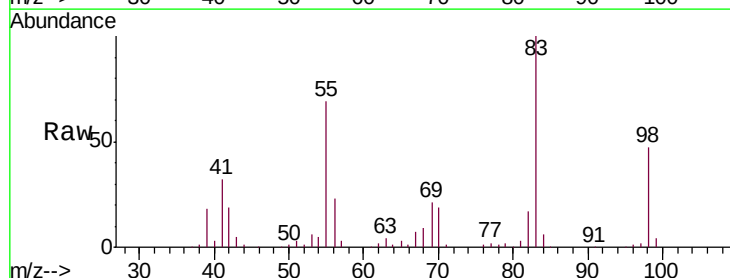
Tgt Ion: 83 Resp: 93002

Ion Ratio Lower Upper

83 100

55 69.7 56.9 85.3

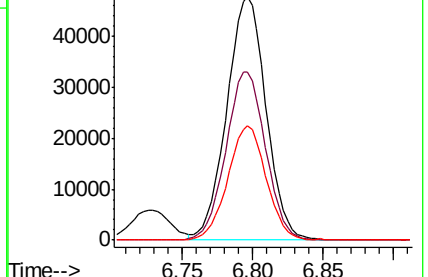
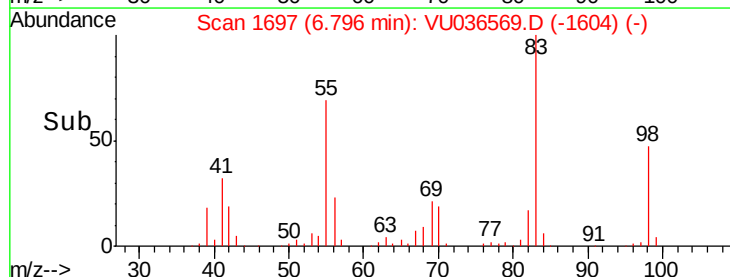
98 46.0 36.9 55.3

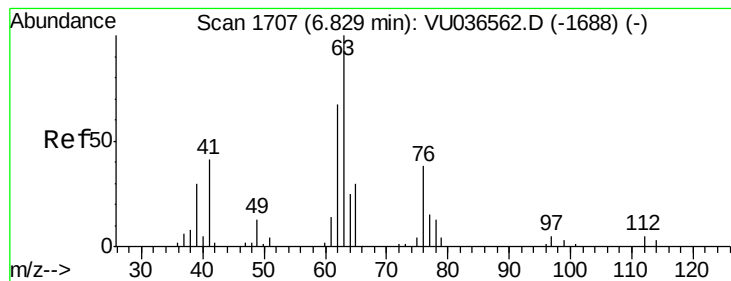


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.141 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

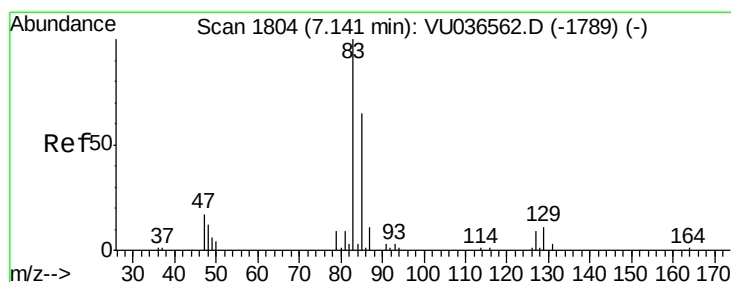
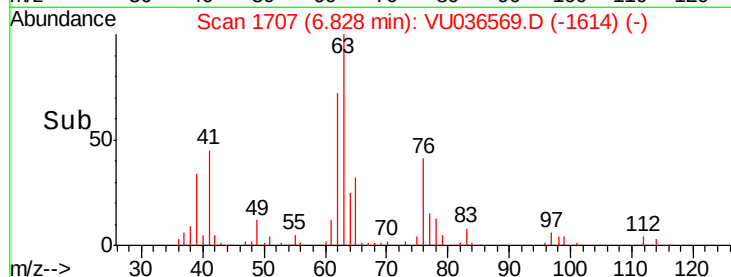
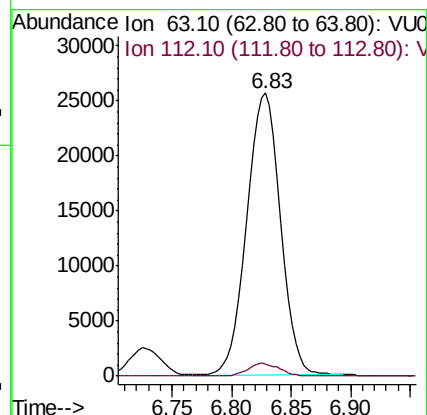
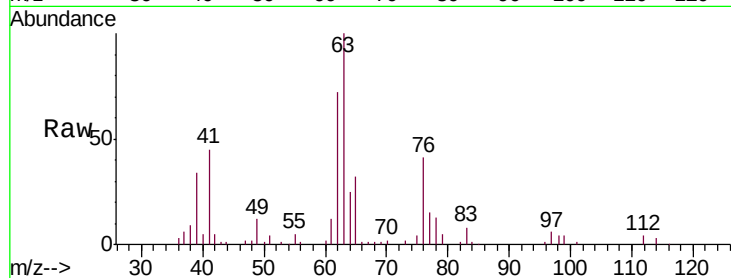
VSTD00610

Tgt Ion: 63 Resp: 50479

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 5.275 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

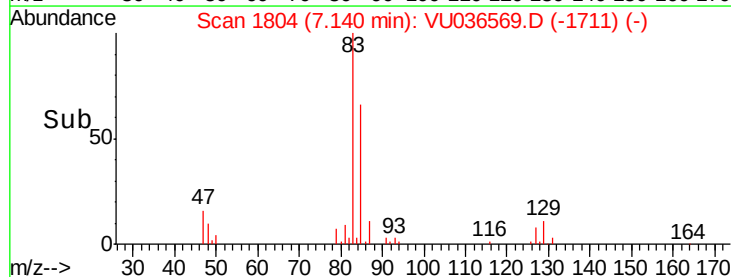
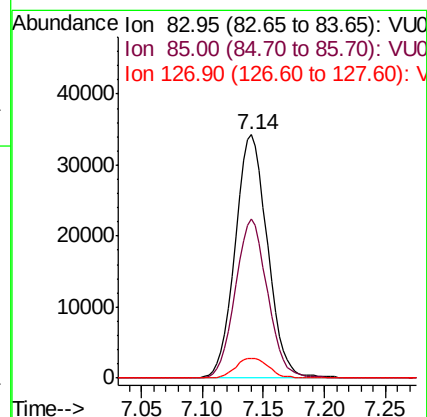
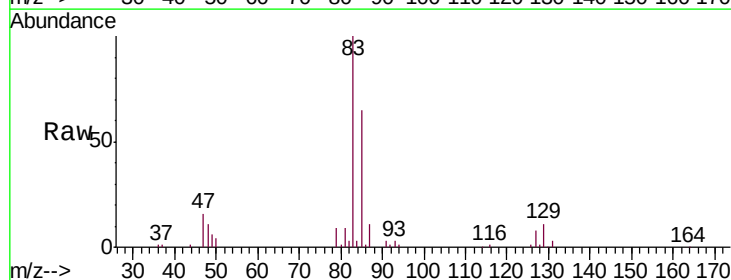
Tgt Ion: 83 Resp: 63285

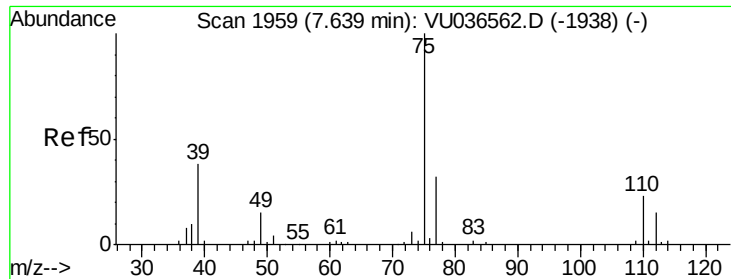
Ion Ratio Lower Upper

83 100

85 65.2 44.7 82.9

127 8.2 7.2 10.8

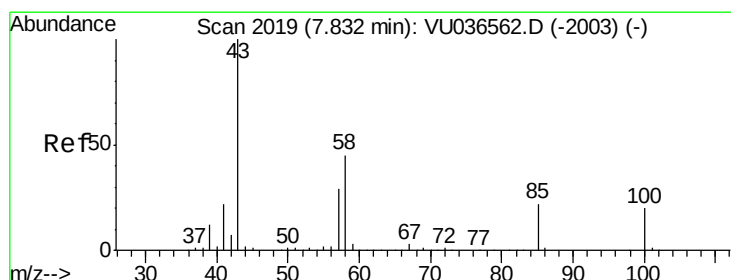
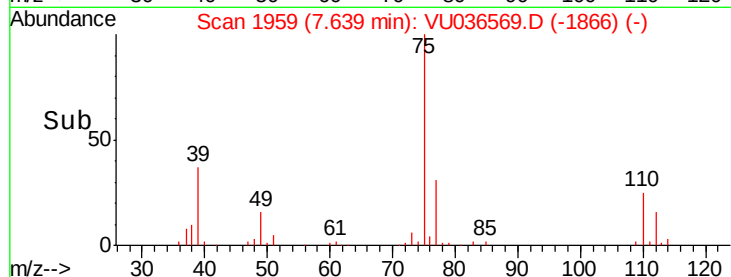
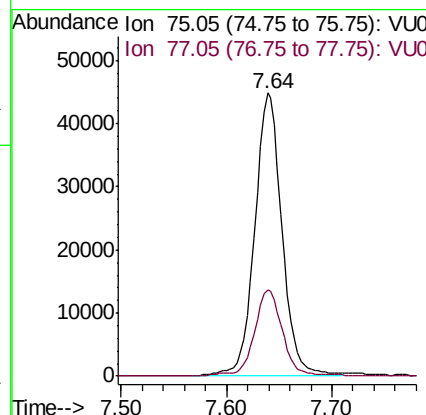
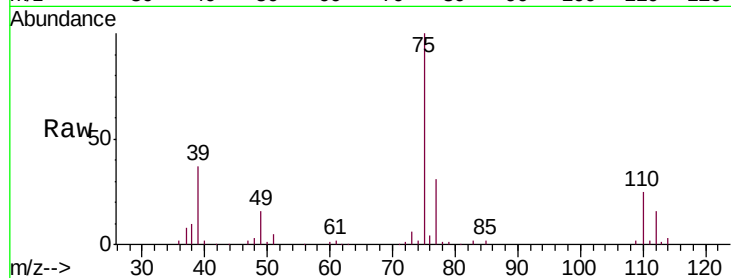




#39
 cis-1,3-Dichloropropene
 Concen: 5.358 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

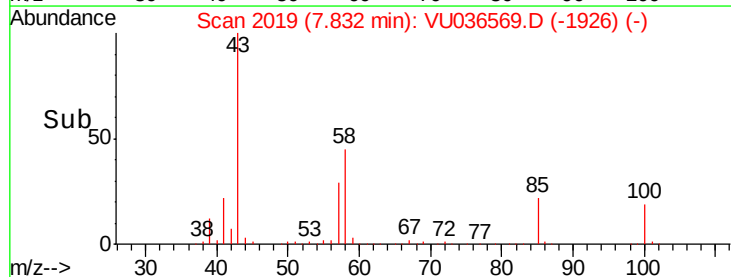
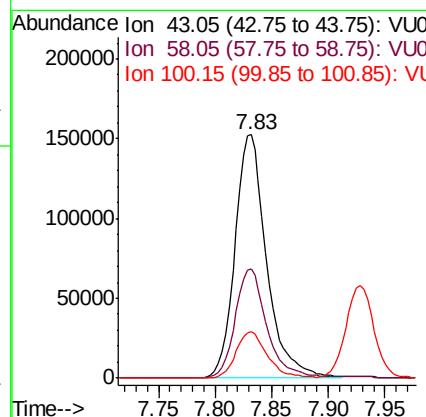
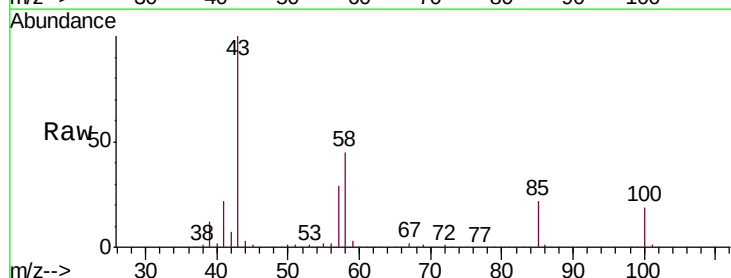
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

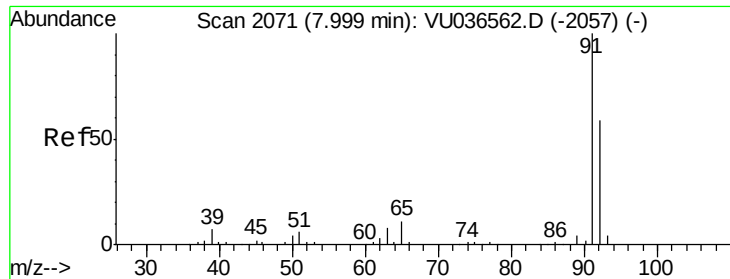
Tgt Ion: 75 Resp: 81152
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.682 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion: 43 Resp: 296472
 Ion Ratio Lower Upper
 43 100
 58 45.0 35.6 53.4
 100 18.9 14.9 22.3





#42

Toluene

Concen: 5.223 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

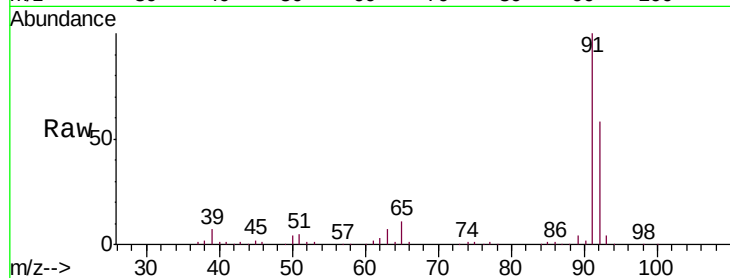
VSTD00610

Tgt Ion: 91 Resp: 227761

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036562.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036569.D (-1978) (-)

8.00

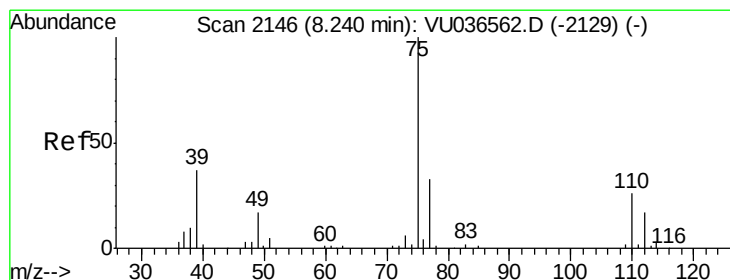
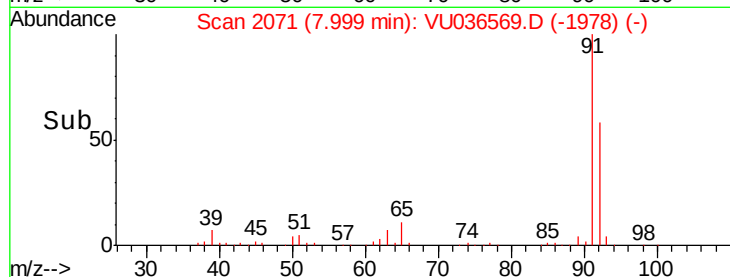
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.472 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036569.D

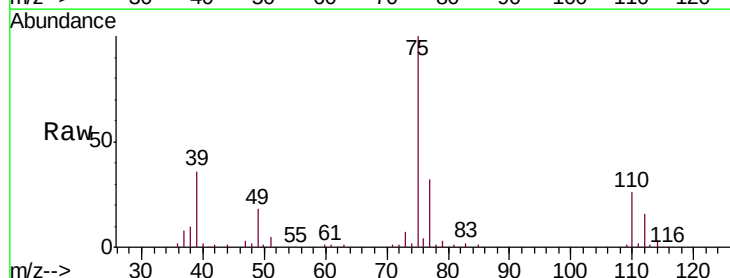
Acq: 28 Jan 2020 10:06

Tgt Ion: 75 Resp: 63785

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036562.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036569.D (-2053) (-)

8.24

40000

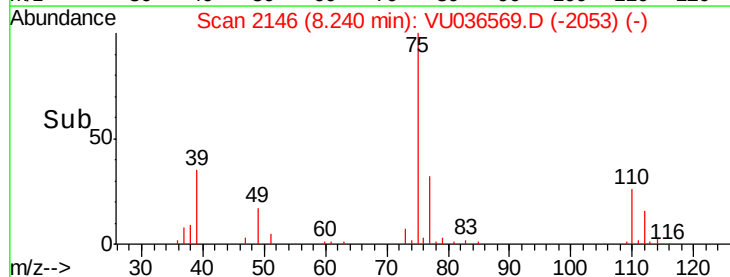
30000

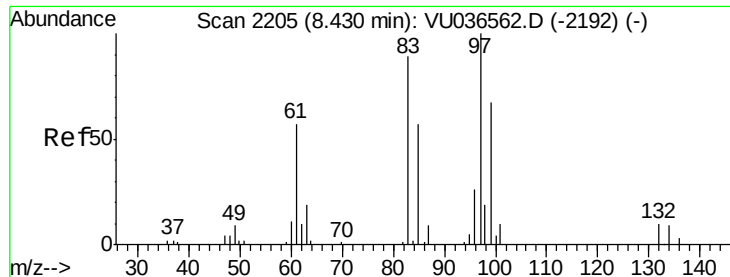
20000

10000

0

Time-->

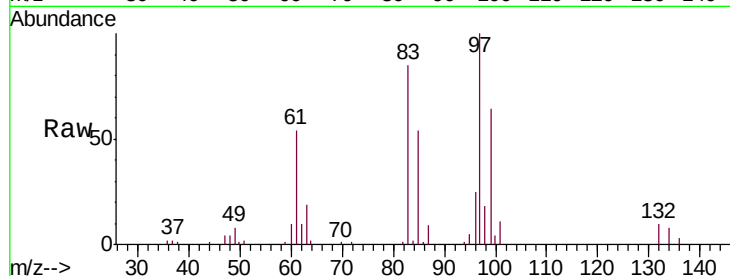




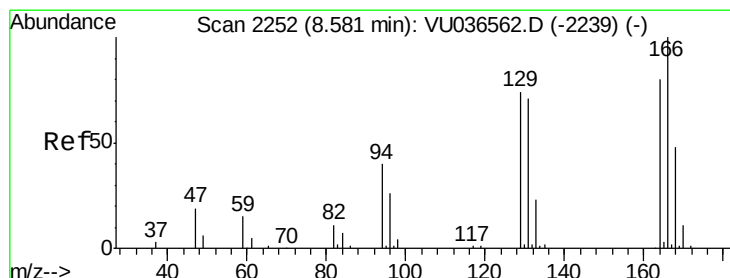
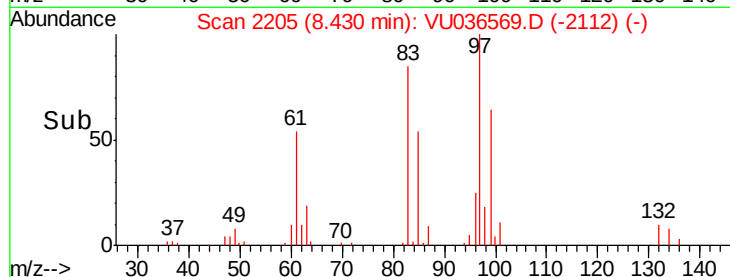
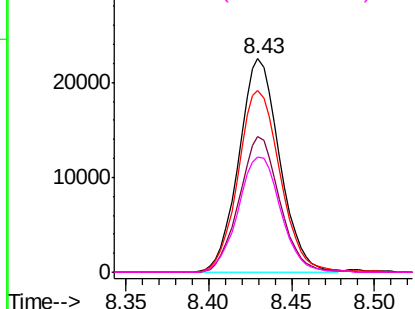
#45
 1,1,2-Trichloroethane
 Concen: 5.294 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

Tgt Ion:	97	Resp:	38461
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.1	78.3
83	85.2	58.4	108.6
85	54.1	39.6	73.6

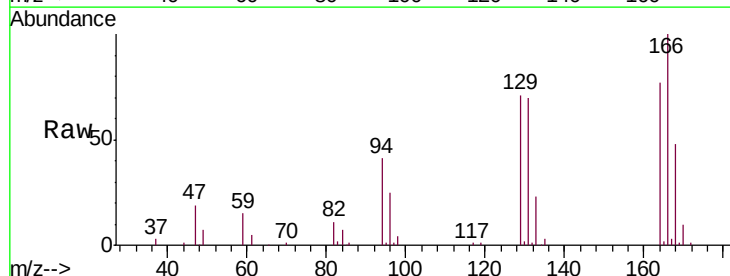


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

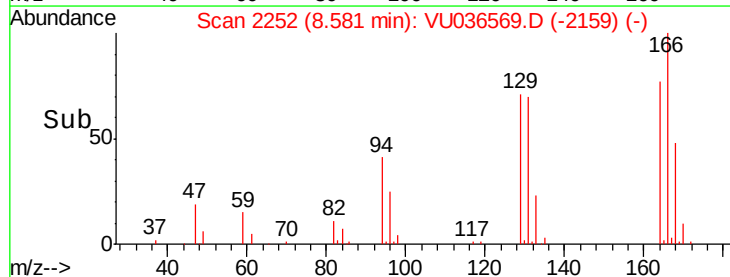
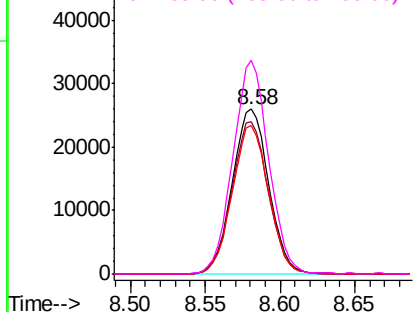


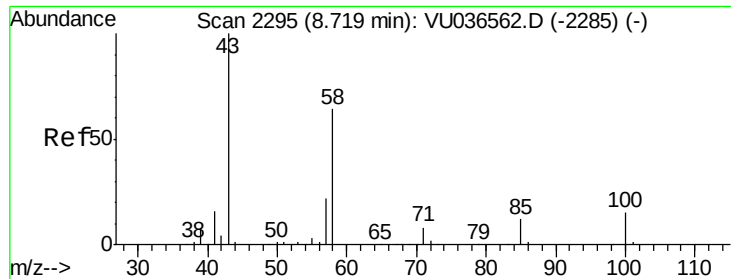
#47
 Tetrachloroethene
 Concen: 5.186 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion:	164	Resp:	44167
Ion	Ratio	Lower	Upper
164	100		
129	92.6	64.7	120.1
131	90.3	64.0	118.8
166	129.8	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

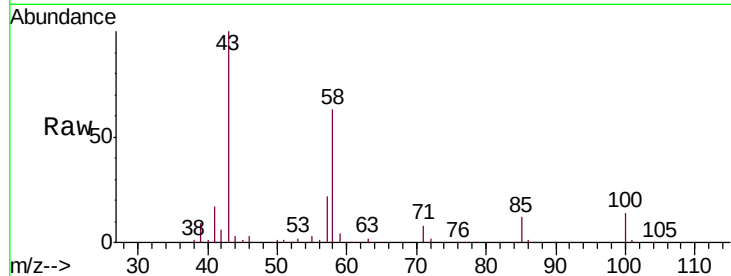




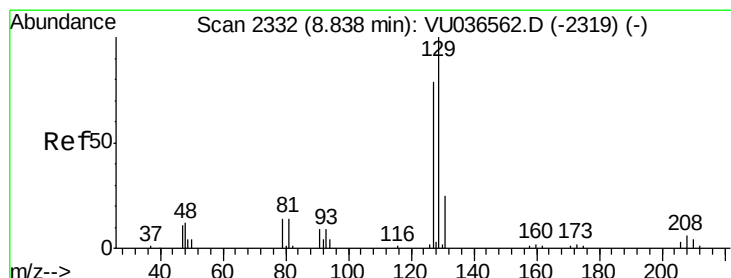
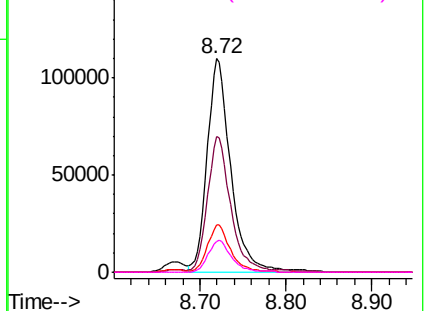
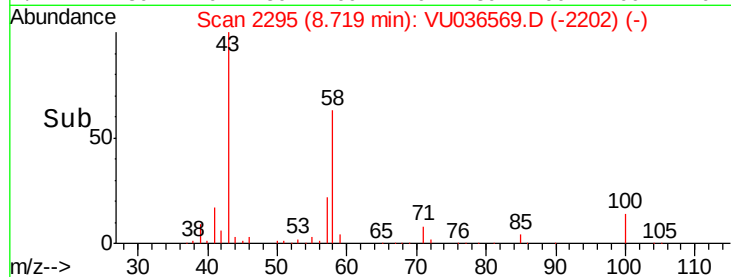
#48
2-Hexanone
Concen: 55.440 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

Tgt Ion: 43 Resp: 211235
Ion Ratio Lower Upper
43 100
58 61.9 50.2 75.2
57 21.2 17.5 26.3
100 14.8 11.5 17.3

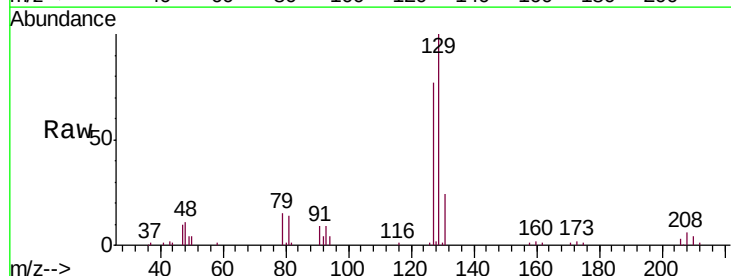


Abundance Ion 43.05 (42.75 to 43.75): VU036569.D (-2202) (-)
Ion 58.05 (57.75 to 58.75): VU036569.D (-2202) (-)
Ion 57.20 (56.90 to 57.90): VU036569.D (-2202) (-)
Ion 100.15 (99.85 to 100.85): VU036569.D (-2202) (-)

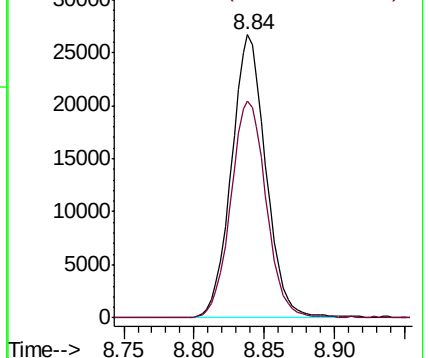
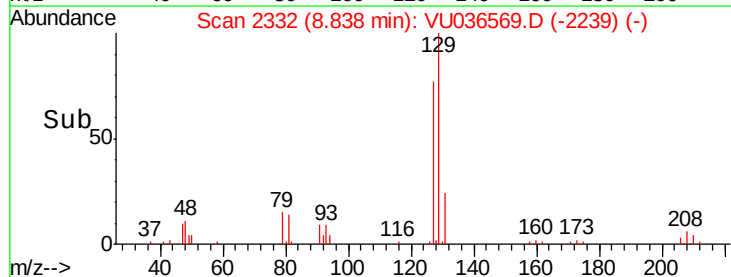


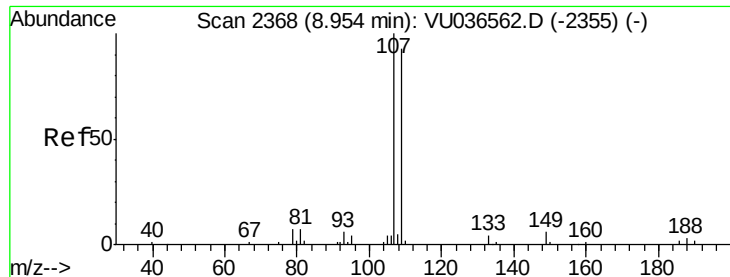
#49
Dibromochloromethane
Concen: 5.463 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Tgt Ion: 129 Resp: 45422
Ion Ratio Lower Upper
129 100
127 76.7 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VU036569.D (-2239) (-)
Ion 126.90 (126.60 to 127.60): VU036569.D (-2239) (-)

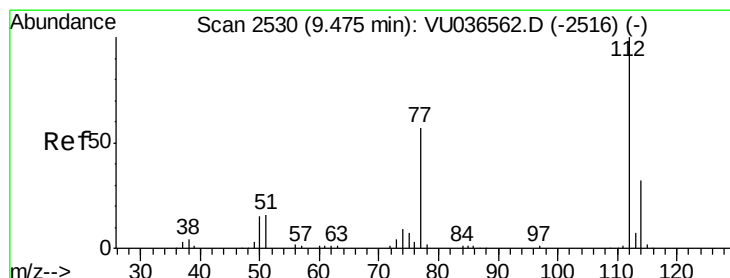
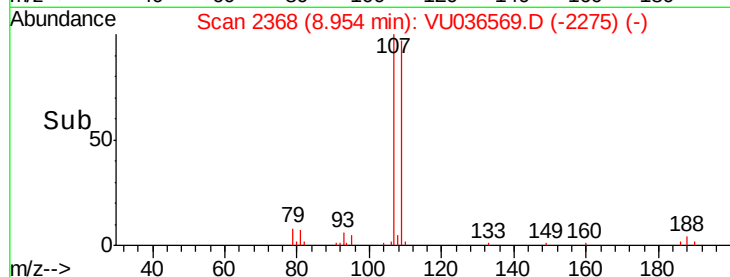
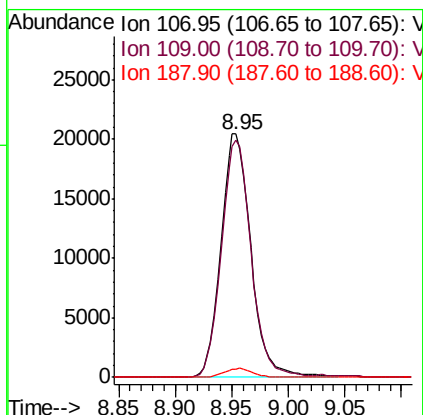
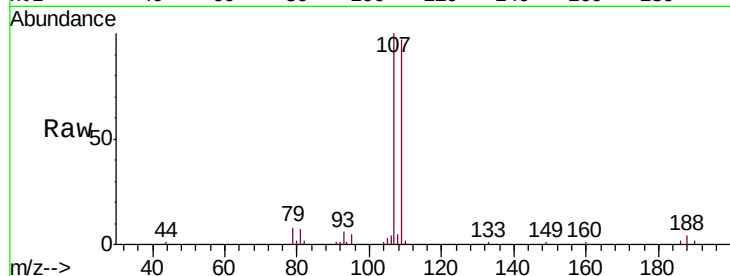




#50
1,2-Dibromoethane
Concen: 5.333 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

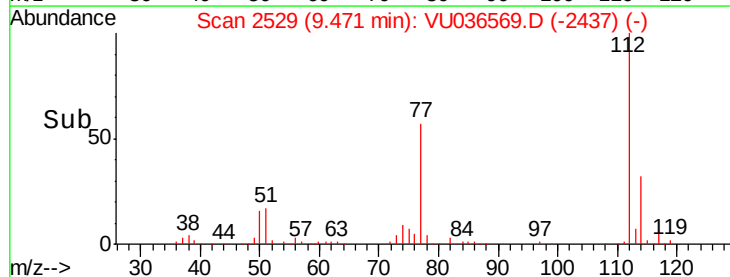
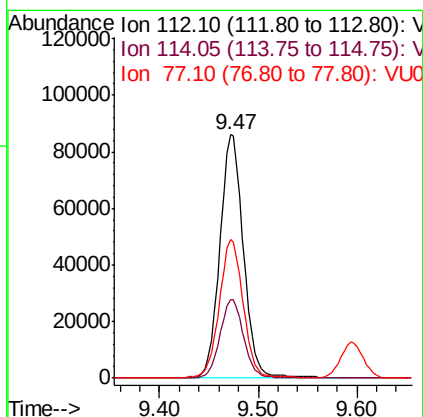
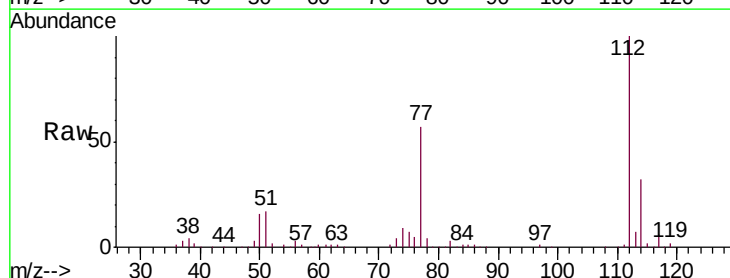
Instrument :
MSVOA_U
ClientSampleId :
VSTD00610

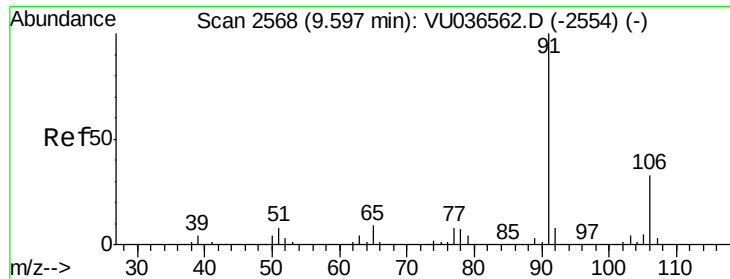
Tgt Ion:107 Resp: 37724
Ion Ratio Lower Upper
107 100
109 97.5 64.5 119.9
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 5.170 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VU036569.D
Acq: 28 Jan 2020 10:06

Tgt Ion:112 Resp: 144793
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 57.0 45.9 68.9





#52

Ethylbenzene

Concen: 5.130 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

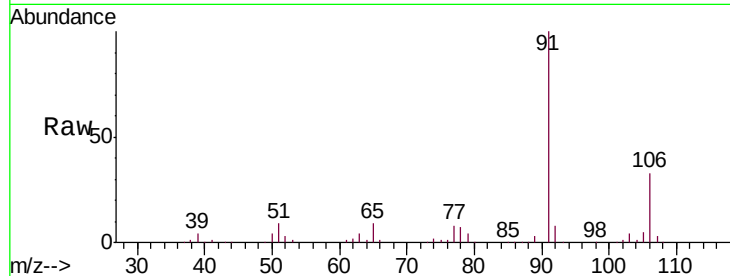
VSTD00610

Tgt Ion: 91 Resp: 243613

Ion Ratio Lower Upper

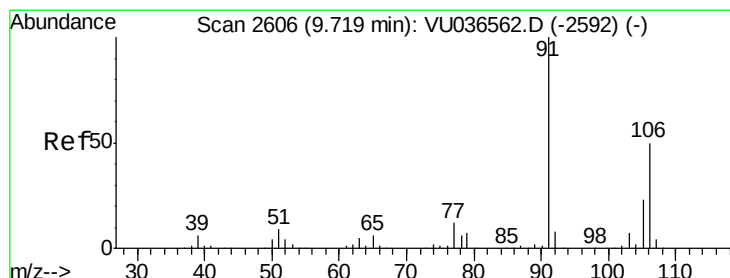
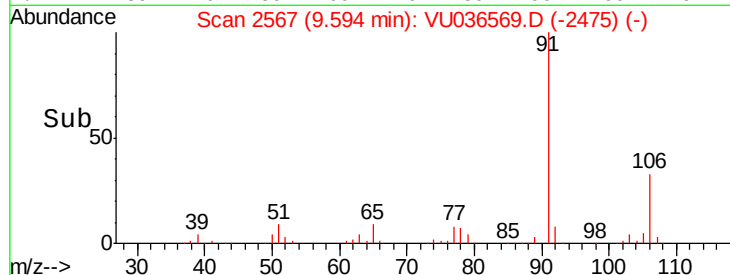
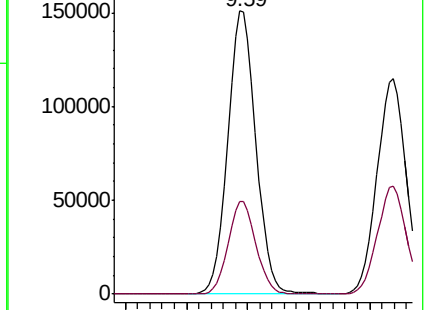
91 100

106 32.6 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036562.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU036562.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.172 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036569.D

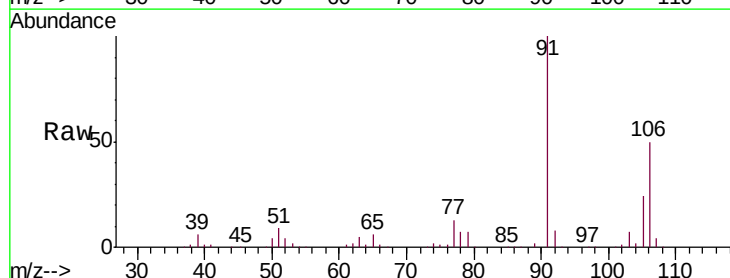
Acq: 28 Jan 2020 10:06

Tgt Ion: 106 Resp: 95282

Ion Ratio Lower Upper

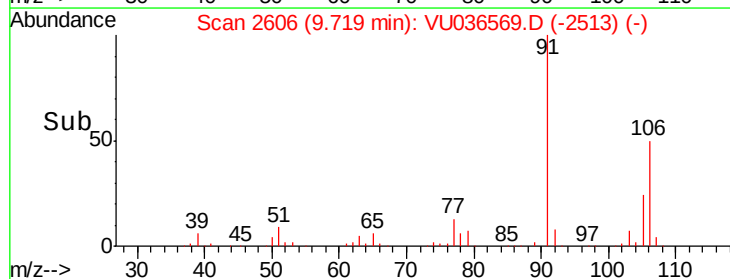
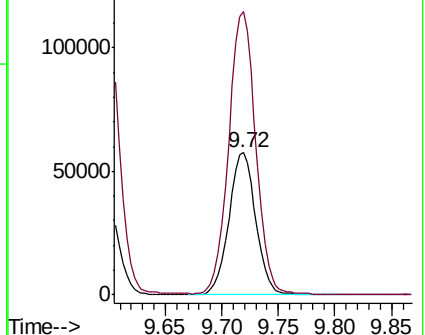
106 100

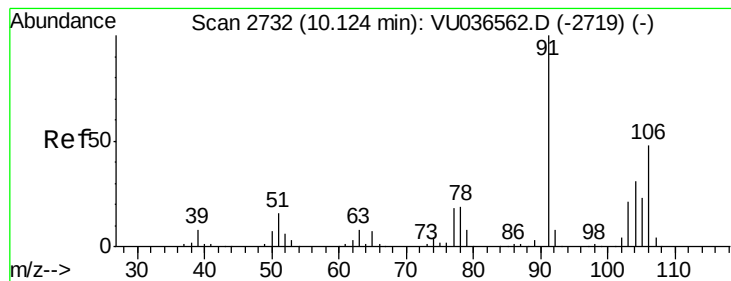
91 198.9 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036562.D (-2592) (-)

Ion 91.15 (90.85 to 91.85): VU036562.D (-2592) (-)





#54

o-Xylene

Concen: 5.204 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

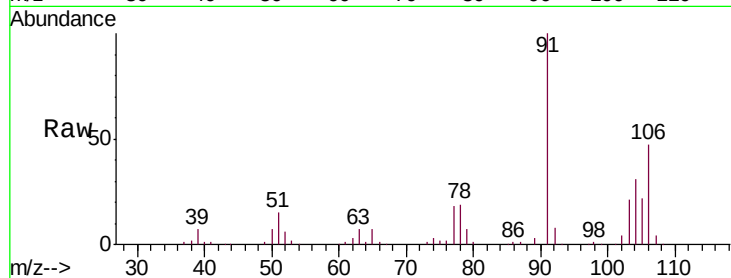
VSTD00610

Tgt Ion:106 Resp: 93944

Ion Ratio Lower Upper

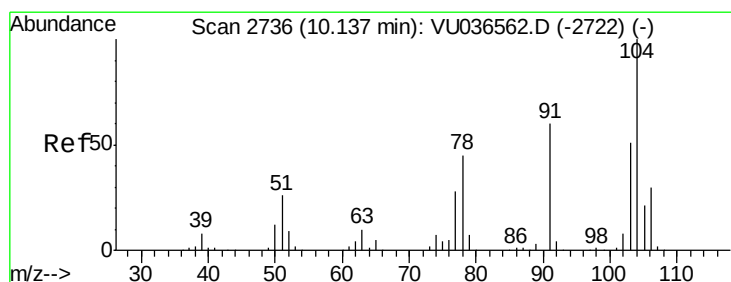
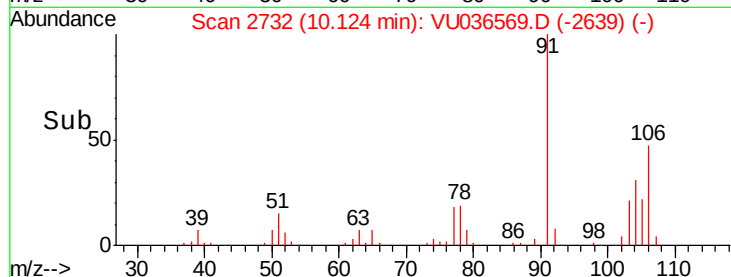
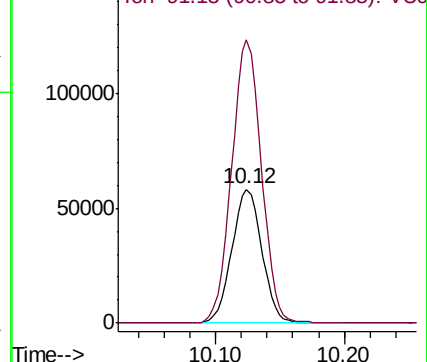
106 100

91 211.6 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.215 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036569.D

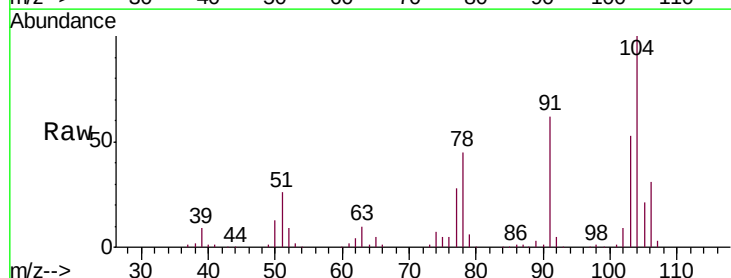
Acq: 28 Jan 2020 10:06

Tgt Ion:104 Resp: 154541

Ion Ratio Lower Upper

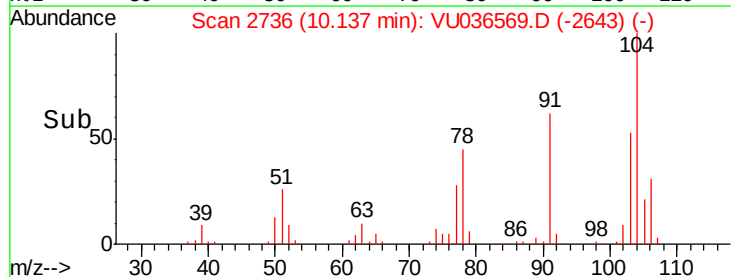
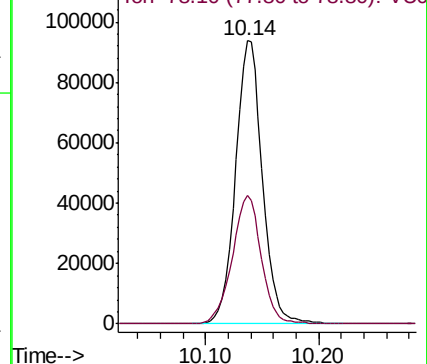
104 100

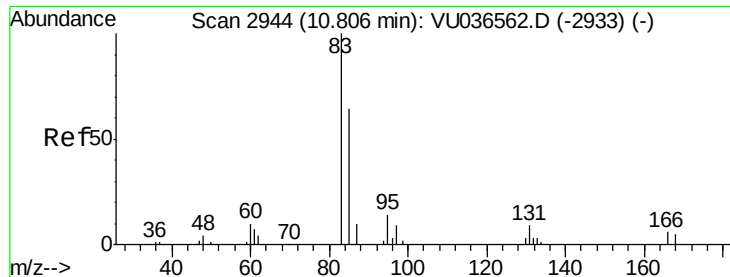
78 45.4 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

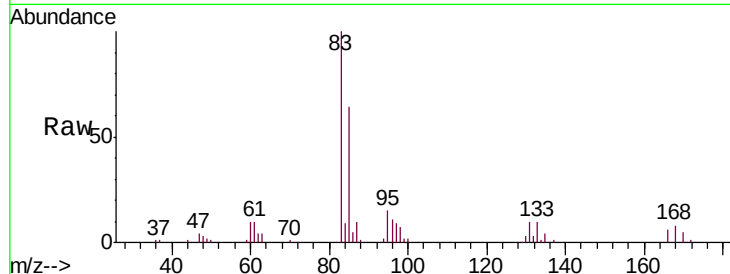




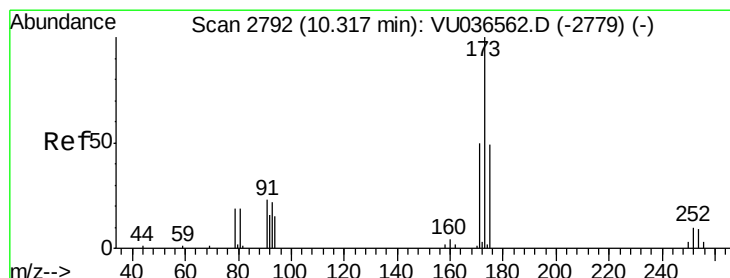
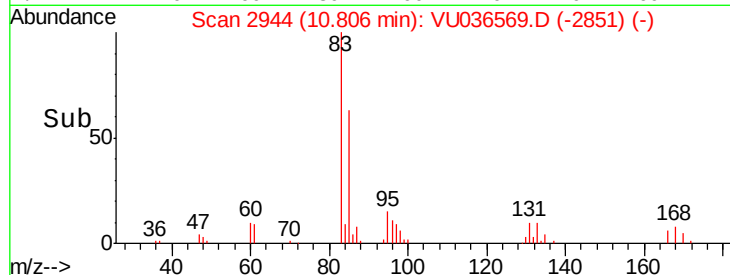
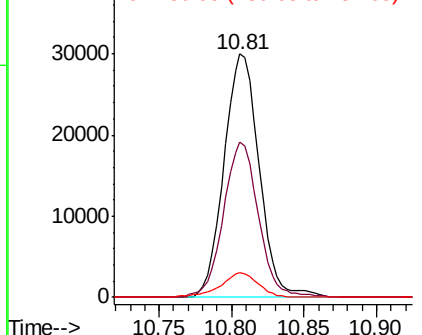
#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.528 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

Tgt Ion: 83 Resp: 50345
 Ion Ratio Lower Upper
 83 100
 85 63.7 47.0 87.4
 131 10.0 8.1 12.1

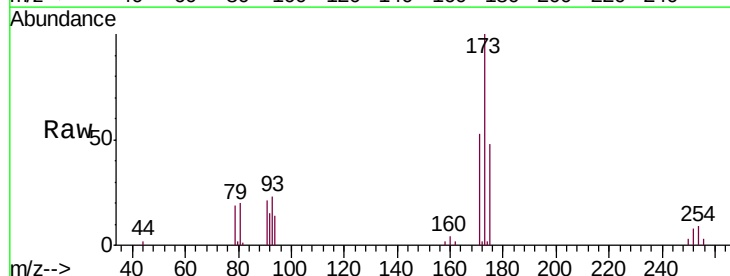


Abundance Ion 82.95 (82.65 to 83.65): VU036569.D (-2851) (-)
 Ion 85.00 (84.70 to 85.70): VU036569.D (-2851) (-)
 Ion 130.95 (130.65 to 131.65): VU036569.D (-2851) (-)

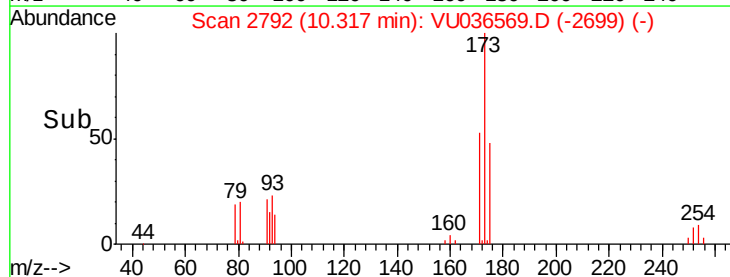
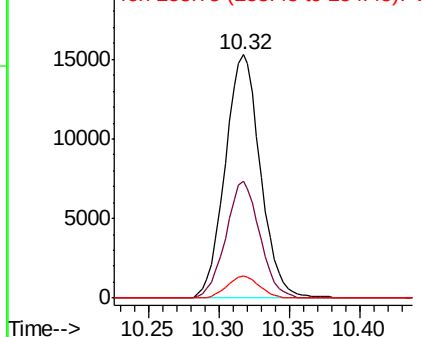


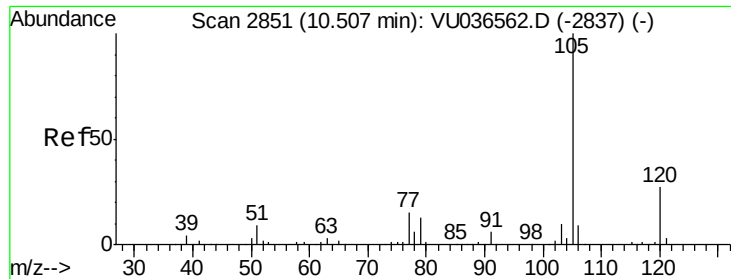
#59
 Bromoform
 Concen: 5.635 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion: 173 Resp: 26709
 Ion Ratio Lower Upper
 173 100
 175 46.2 39.0 58.4
 254 8.3 6.3 9.5



Abundance Ion 172.90 (172.60 to 173.60): VU036569.D (-2699) (-)
 Ion 174.90 (174.60 to 175.60): VU036569.D (-2699) (-)
 Ion 253.75 (253.45 to 254.45): VU036569.D (-2699) (-)





#60

Isopropylbenzene

Concen: 5.158 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

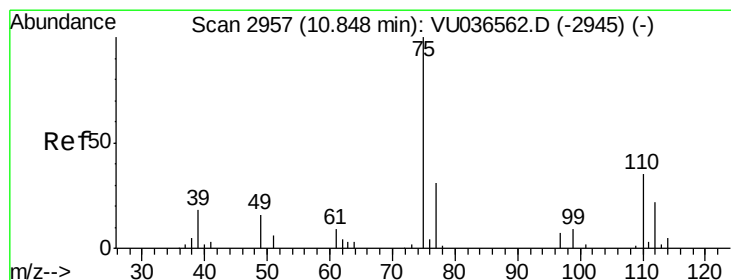
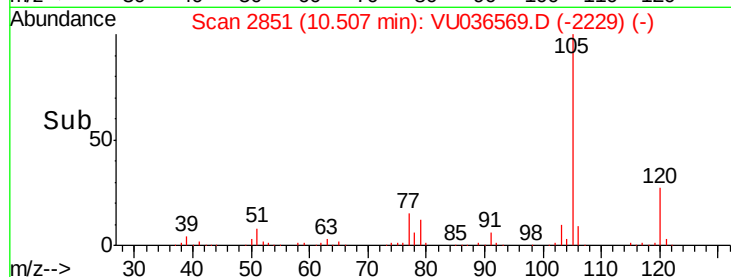
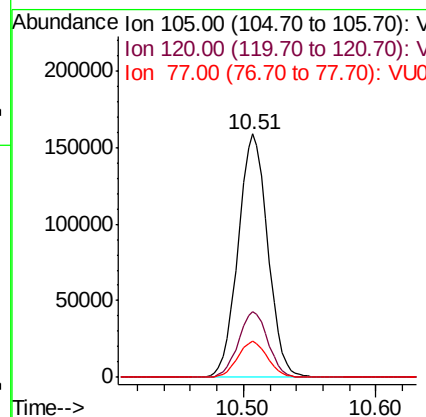
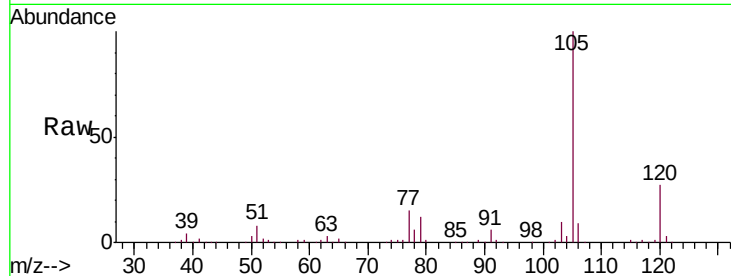
Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

Tgt Ion:	105	Resp:	245977
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.5	32.3
77	14.9	12.2	18.2



#61

1,2,3-Trichloropropane

Concen: 5.274 ug/L

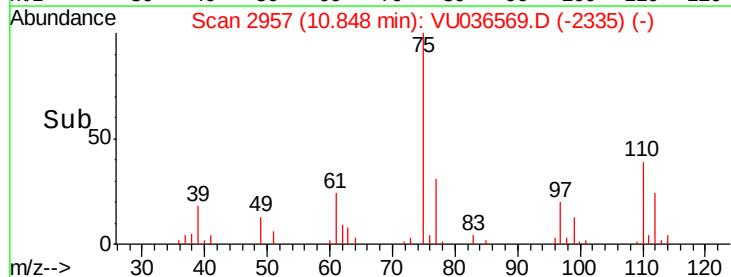
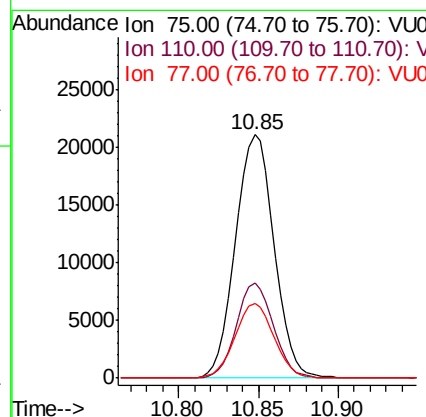
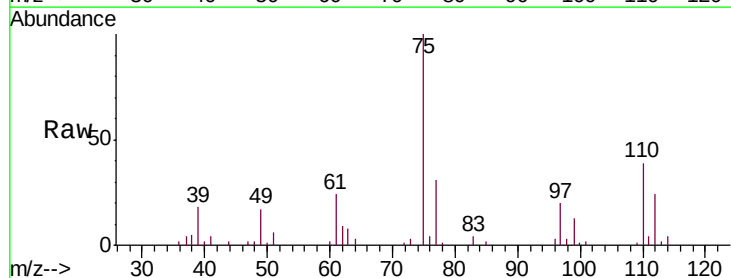
RT: 10.85 min Scan# 2957

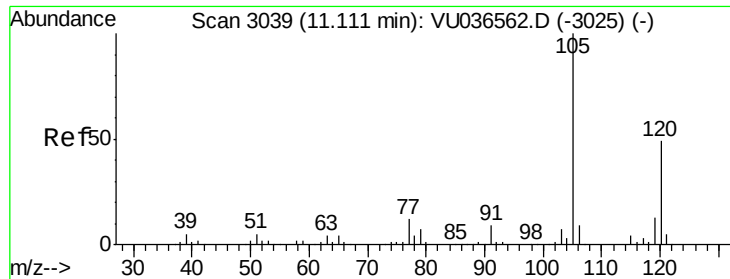
Delta R.T. -0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Tgt Ion:	75	Resp:	34637
Ion	Ratio	Lower	Upper
75	100		
110	37.2	29.0	43.4
77	31.0	25.8	38.6

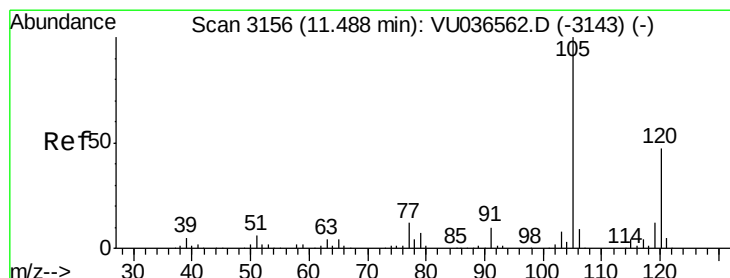
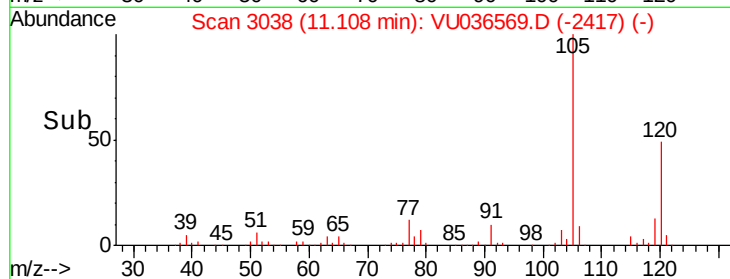
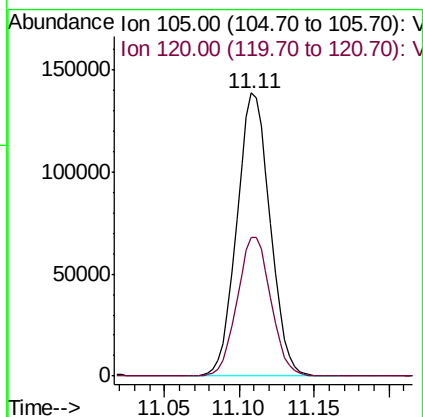
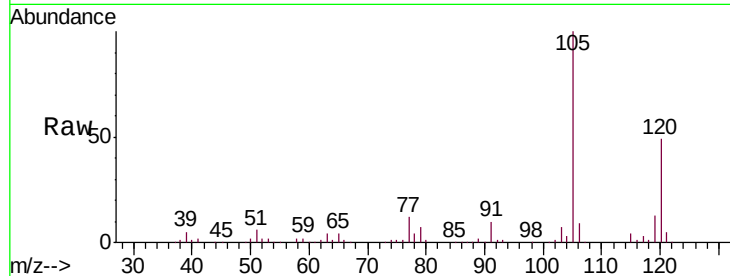




#62
 1,3,5-Trimethylbenzene
 Concen: 5.245 ug/L
 RT: 11.11 min Scan# 3038
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

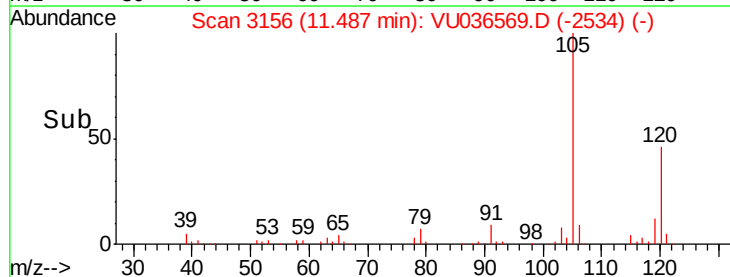
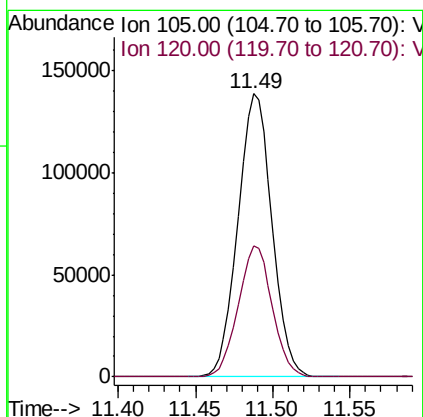
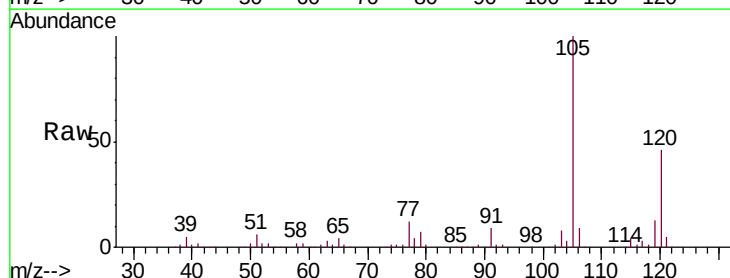
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

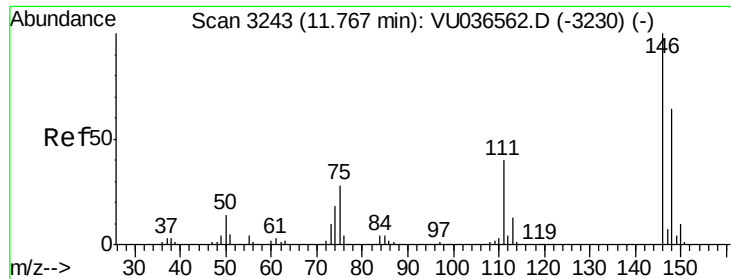
Tgt Ion:105 Resp: 214355
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.229 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion:105 Resp: 212061
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.9 55.3

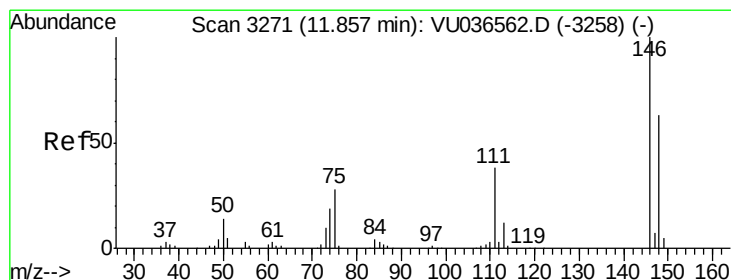
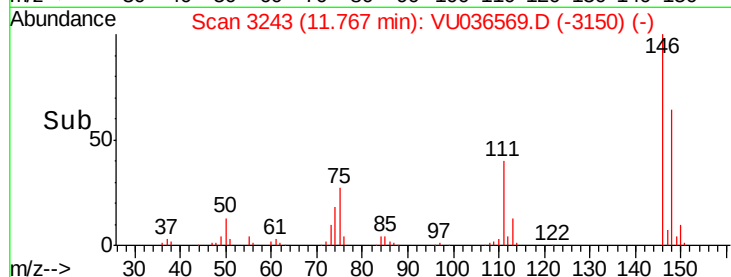
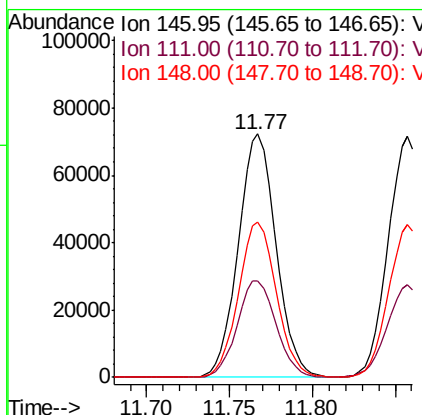
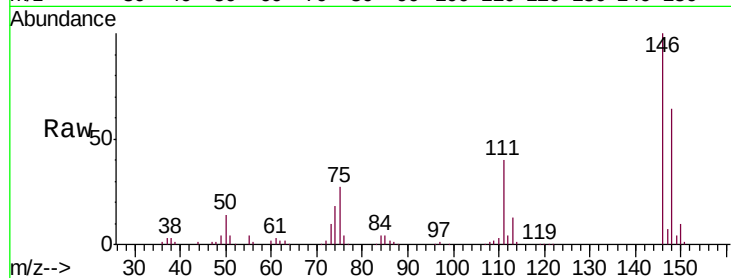




#64
 1,3-Dichlorobenzene
 Concen: 5.150 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

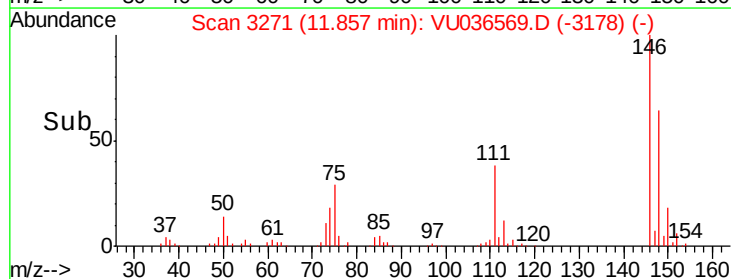
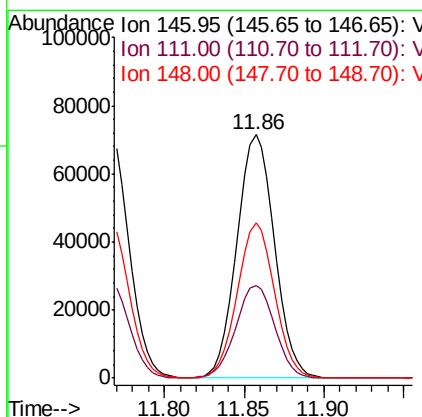
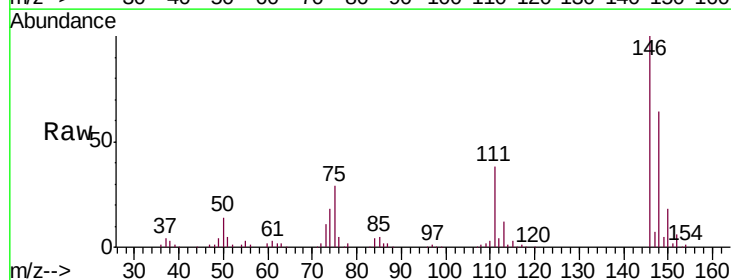
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

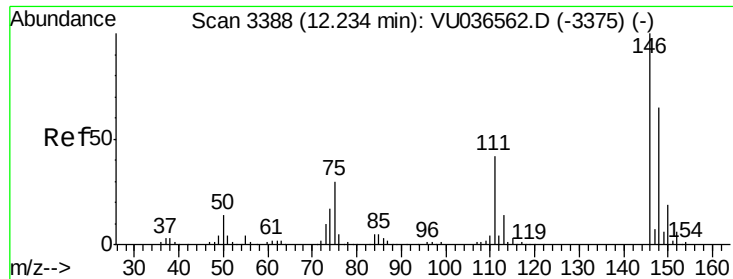
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.8	53.6
148	63.9	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 5.147 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.2	50.6
148	63.7	44.8	83.2

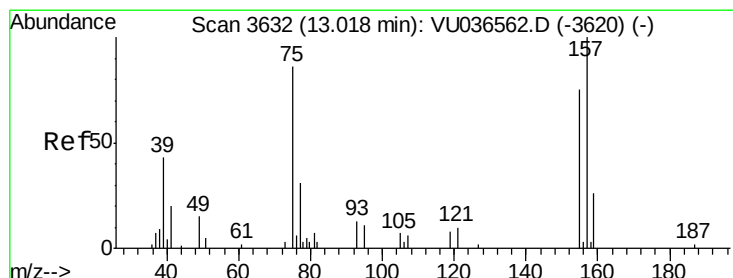
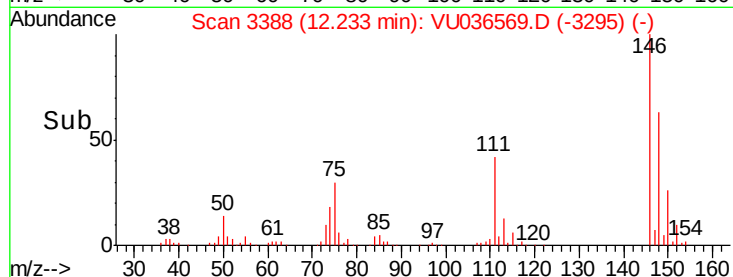
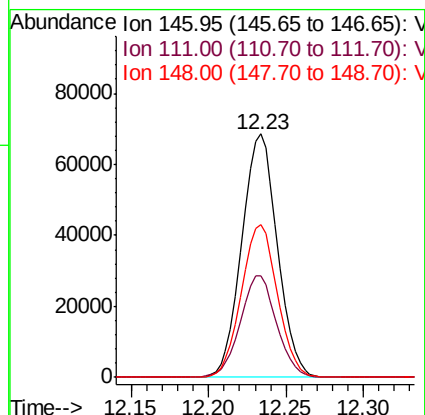
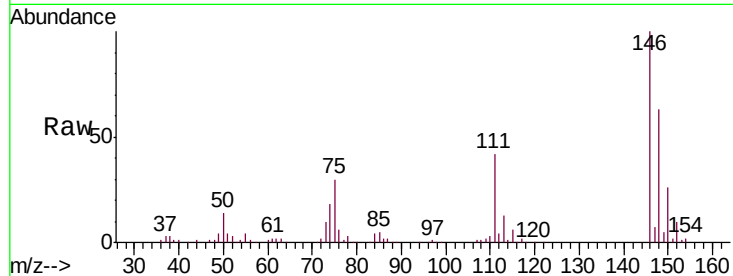




#67
 1,2-Dichlorobenzene
 Concen: 5.165 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

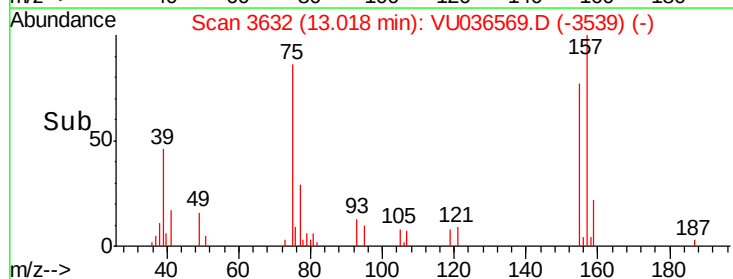
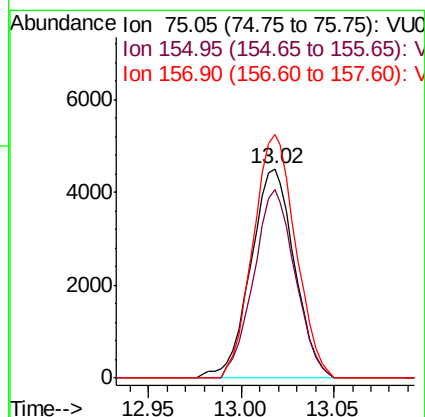
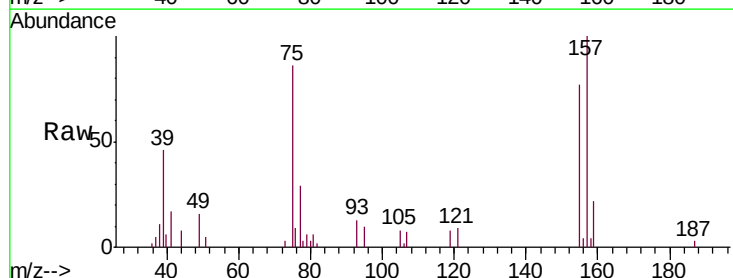
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

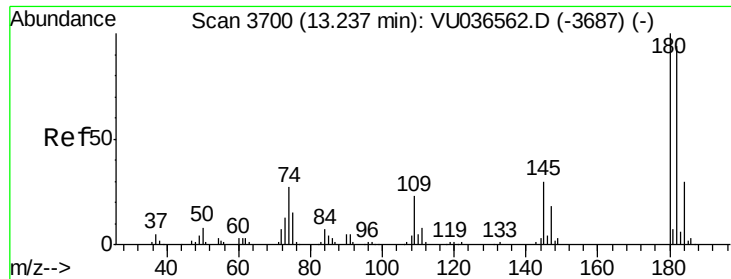
Tgt Ion:146 Resp: 109691
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.0
 148 62.6 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.333 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion: 75 Resp: 7420
 Ion Ratio Lower Upper
 75 100
 155 90.0 64.2 96.4
 157 116.4 85.1 127.7

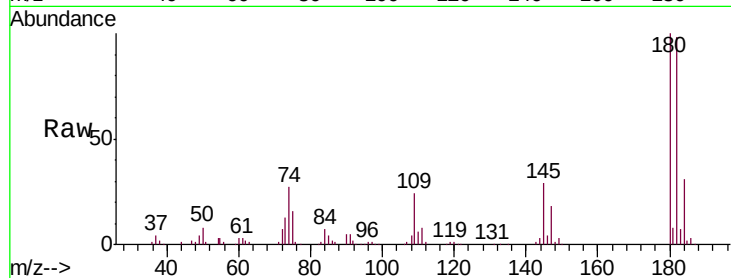




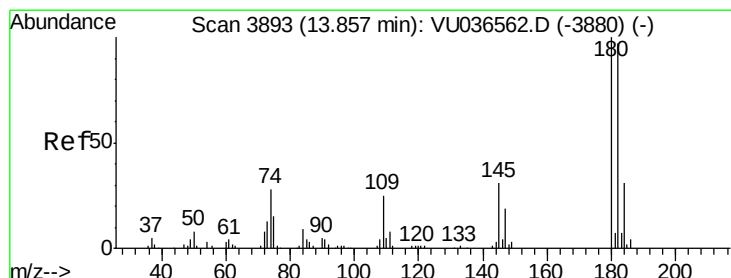
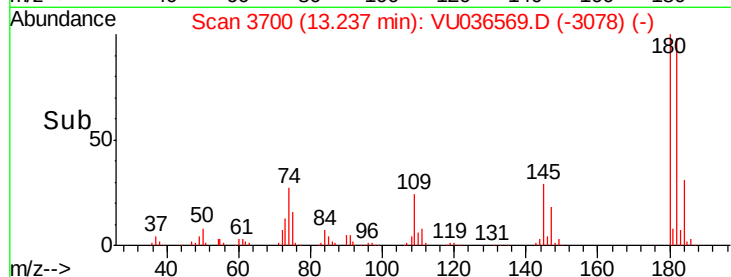
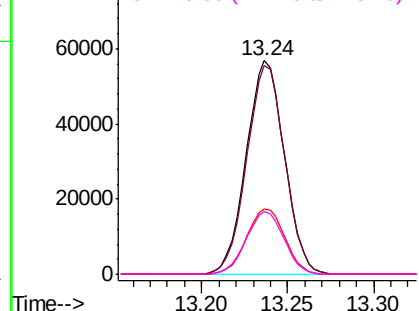
#69
 1,3,5-Trichlorobenzene
 Concen: 5.128 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00610

Tgt Ion:180 Resp: 87596
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.2 112.8
 184 30.8 23.9 35.9
 145 29.2 22.7 34.1

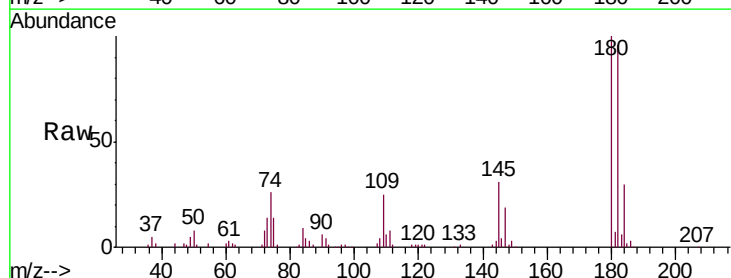


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

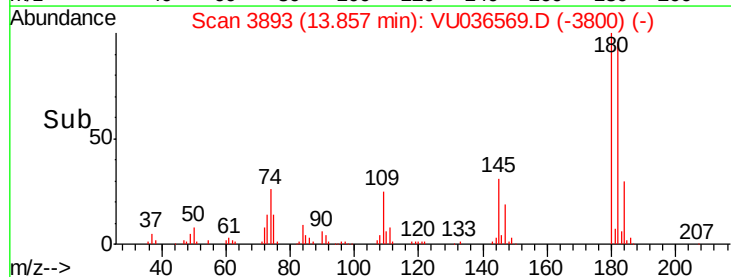
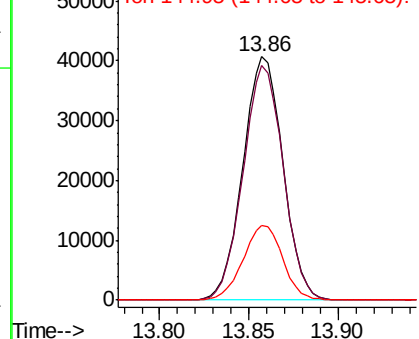


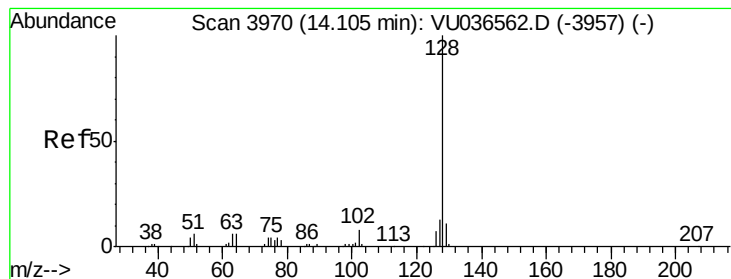
#70
 1,2,4-trichlorobenzene
 Concen: 5.131 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036569.D
 Acq: 28 Jan 2020 10:06

Tgt Ion:180 Resp: 63692
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 145 30.2 23.9 35.9



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





#71

Naphthalene

Concen: 5.114 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00610

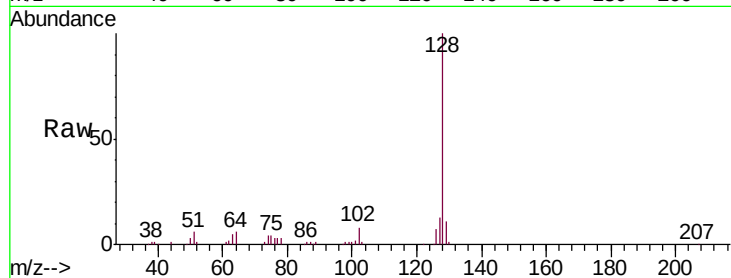
Tgt Ion:128 Resp: 90551

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

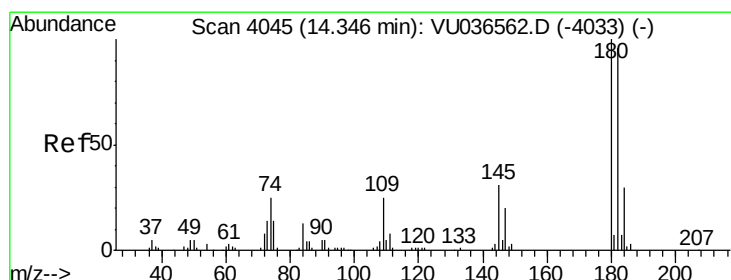
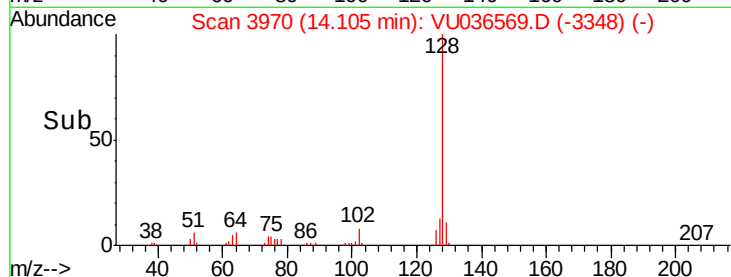
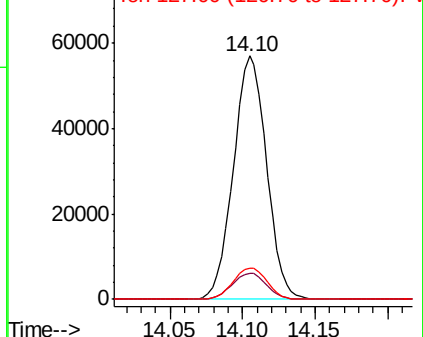
127 13.1 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.261 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036569.D

Acq: 28 Jan 2020 10:06

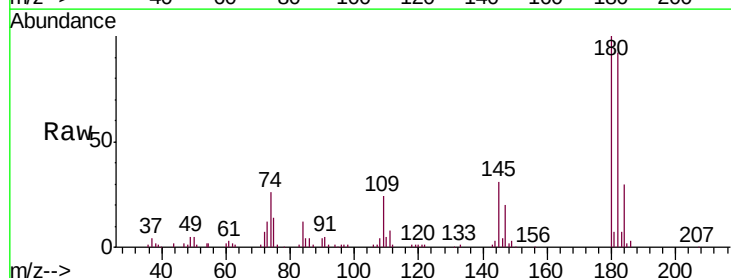
Tgt Ion:180 Resp: 59035

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.2

145 31.5 25.6 38.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

