

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082520\
 Data File : VU039958.D
 Acq On : 25 Aug 2020 10:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Aug 26 03:38:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 25 13:01:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	72821	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37357	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28456	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.92	69	23329	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.58	63	60817	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.66	46	93541	46.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.04%
24) Chloroform-d	5.08	84	60474	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.72	65	34381	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	109827	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	34907	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	99090	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	8.18	79	14585	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	68391	46.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	28341	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	37439	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	37817	4.996	ug/L 99
3) Chloromethane	1.53	50	36036	4.208	ug/L 95
5) Vinyl chloride	1.61	62	37657	4.648	ug/L 96
6) Bromomethane	1.87	94	18368	3.971	ug/L 99
8) Chloroethane	1.94	64	22885	4.417	ug/L 100
9) Trichlorofluoromethane	2.15	101	60644	5.004	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32968	4.945	ug/L 92
12) 1,1-Dichloroethene	2.59	96	29478	4.628	ug/L 93
13) Acetone	2.66	43	64585	46.497	ug/L # 48
14) Carbon disulfide	2.81	76	90972	4.420	ug/L 99
15) Methyl Acetate	2.97	43	16818	4.717	ug/L 99
16) Methylene chloride	3.06	84	35769	4.084	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	84491	5.261	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	32234	4.873	ug/L 95
19) 1,1-Dichloroethane	3.89	63	65497	5.341	ug/L 96
21) 2-Butanone	4.74	43	108908	45.125	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	35129	5.073	ug/L 88

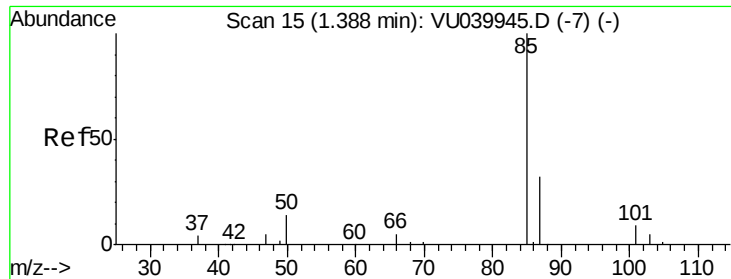
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	16207	4.976	ug/L	94
25) Chloroform	5.11	83	66854	5.379	ug/L	100
27) 1,2-Dichloroethane	5.81	62	46739	5.359	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	58704	5.631	ug/L	99
30) Cyclohexane	5.40	56	52852	5.121	ug/L	99
31) Carbon tetrachloride	5.54	117	51321	5.576	ug/L	98
33) Benzene	5.79	78	134909	5.238	ug/L	100
34) Trichloroethene	6.56	95	35674	5.337	ug/L	97
35) Methylcyclohexane	6.77	83	53808	5.255	ug/L	97
37) 1,2-Dichloropropane	6.80	63	36155	5.282	ug/L #	97
38) Bromodichloromethane	7.11	83	47254	5.432	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	51183	5.351	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	260182	47.998	ug/L	98
42) Toluene	7.97	91	137595	5.224	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	46840	5.211	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	25399	4.884	ug/L	96
47) Tetrachloroethene	8.56	164	27523	5.581	ug/L	91
48) 2-Hexanone	8.69	43	185135	47.659	ug/L	97
49) Dibromochloromethane	8.81	129	31854	5.130	ug/L	99
50) 1,2-Dibromoethane	8.93	107	24480	4.943	ug/L #	98
51) Chlorobenzene	9.45	112	86237	5.014	ug/L	97
52) Ethylbenzene	9.57	91	149099	5.204	ug/L	98
53) m,p-Xylene	9.69	106	56514	5.138	ug/L	98
54) o-Xylene	10.10	106	54418	5.234	ug/L	92
55) Styrene	10.11	104	92716	5.145	ug/L	97
56) Isopropylbenzene	10.48	105	145921	5.236	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	30363	4.521	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	23145	4.719	ug/L	99
61) Bromoform	10.29	173	17673	5.371	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	70543	5.100	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	71174	5.054	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	66799	5.004	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5802	5.315	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	55377	5.391	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	47051	5.369	ug/L	99
69) Naphthalene	14.08	128	77143	4.766	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	42986	5.249	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.996 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

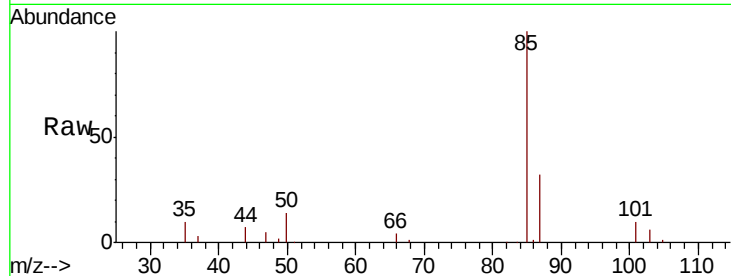
VSTD00509

Tot Ion: 85 Resp: 37817

Ion Ratio Lower Upper

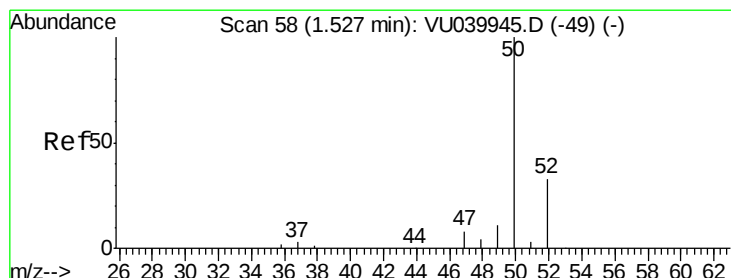
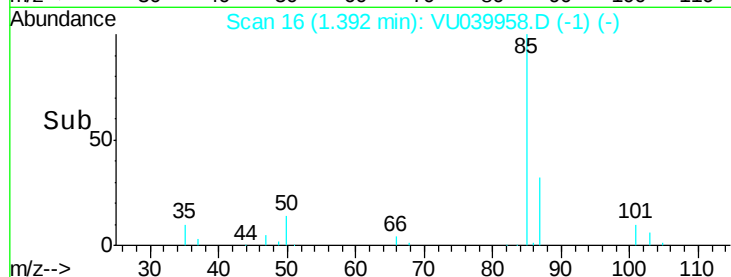
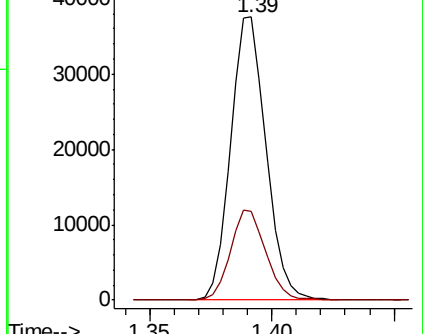
85 100

87 31.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039945.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039945.D (-7) (-)



#3

Chloromethane

Concen: 4.208 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039958.D

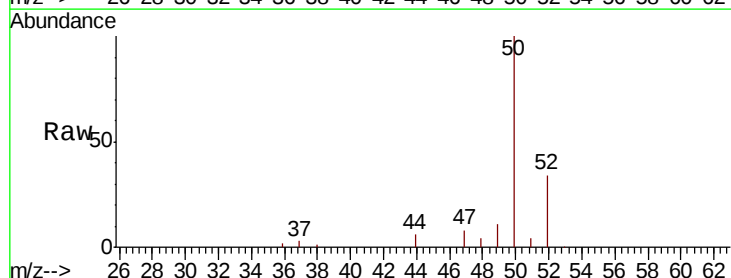
Acq: 25 Aug 2020 10:30

Tgt Ion: 50 Resp: 36036

Ion Ratio Lower Upper

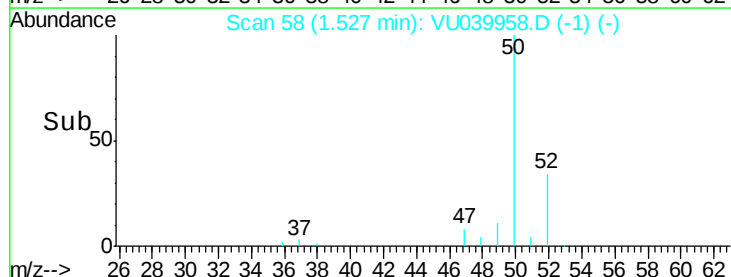
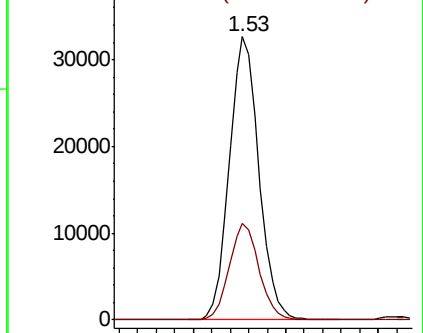
50 100

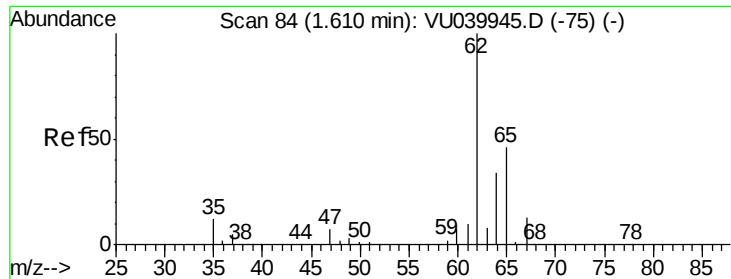
52 34.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039945.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039945.D (-49) (-)





#5

Vinyl chloride

Concen: 4.648 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

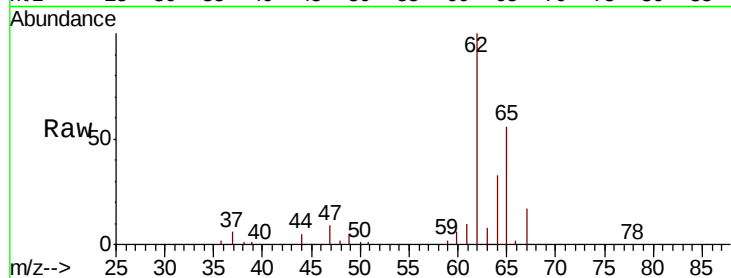
VSTD00509

Tot Ion: 62 Resp: 37657

Ion Ratio Lower Upper

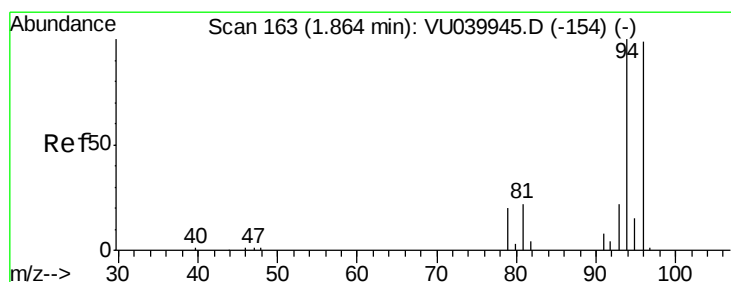
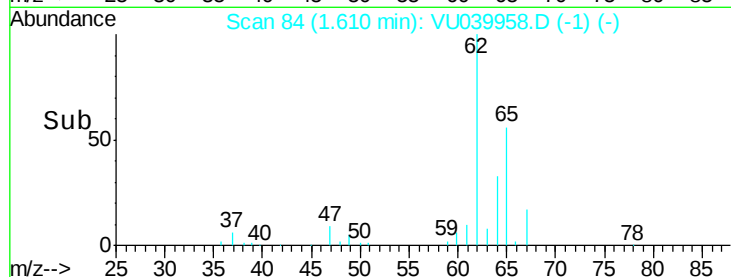
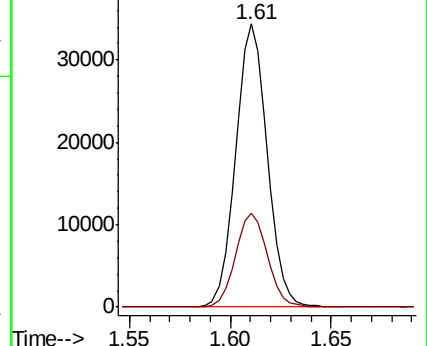
62 100

64 33.2 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.971 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039958.D

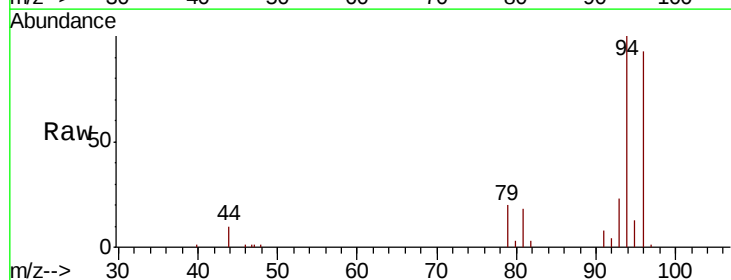
Acq: 25 Aug 2020 10:30

Tgt Ion: 94 Resp: 18368

Ion Ratio Lower Upper

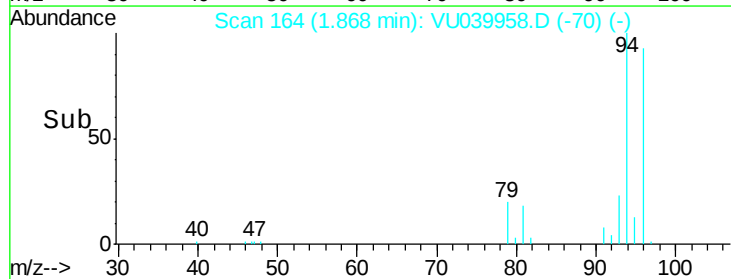
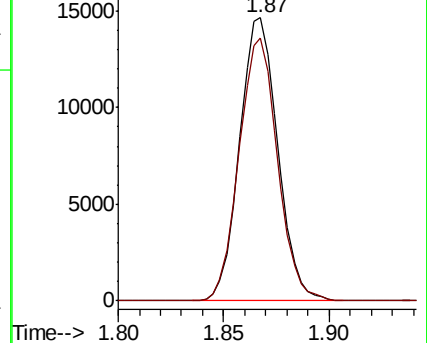
94 100

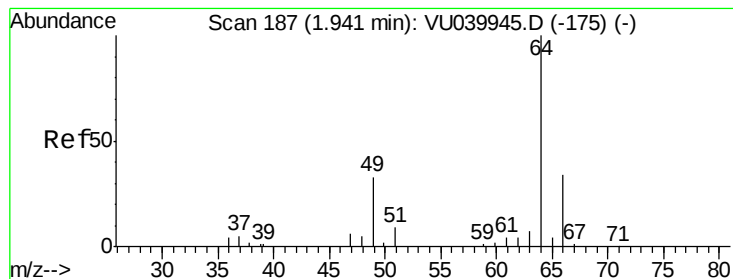
96 92.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.417 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

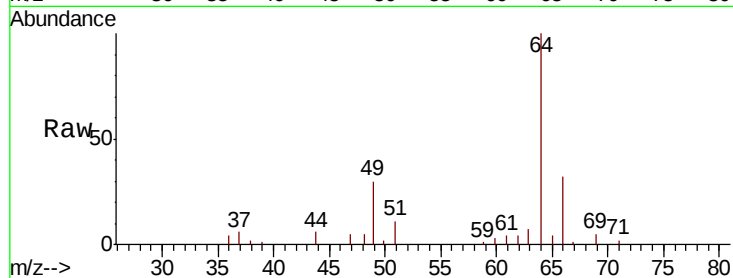
VSTD00509

Tot Ion: 64 Resp: 22885

Ion Ratio Lower Upper

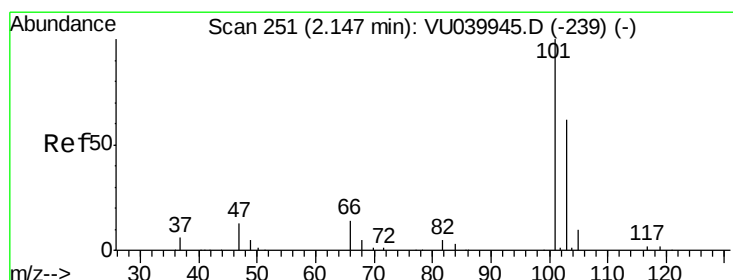
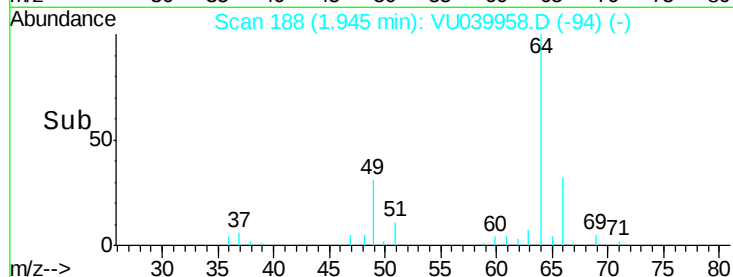
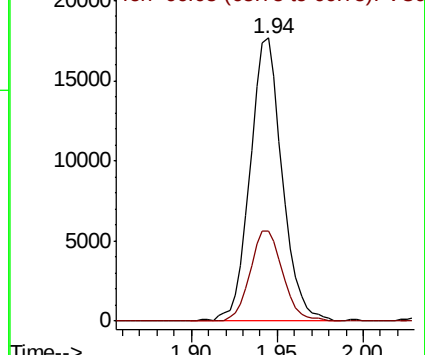
64 100

66 32.0 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 5.004 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU039958.D

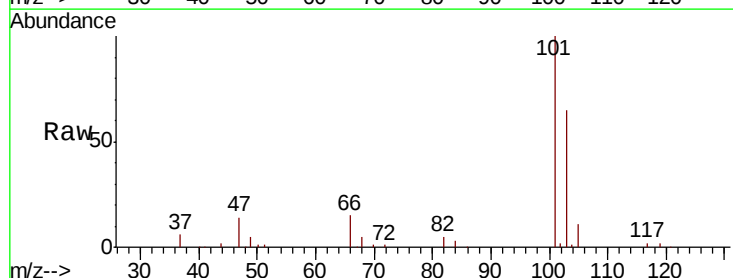
Acq: 25 Aug 2020 10:30

Tgt Ion:101 Resp: 60644

Ion Ratio Lower Upper

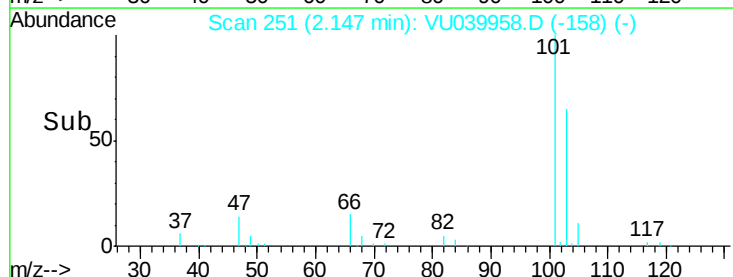
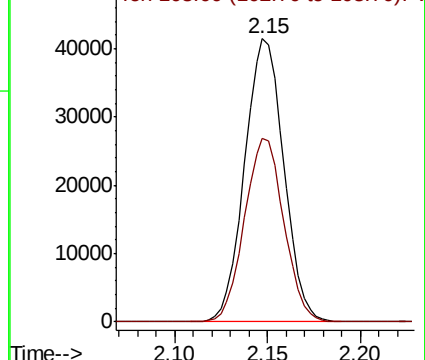
101 100

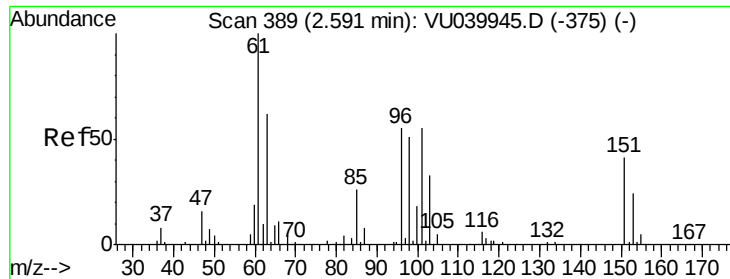
103 64.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.945 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

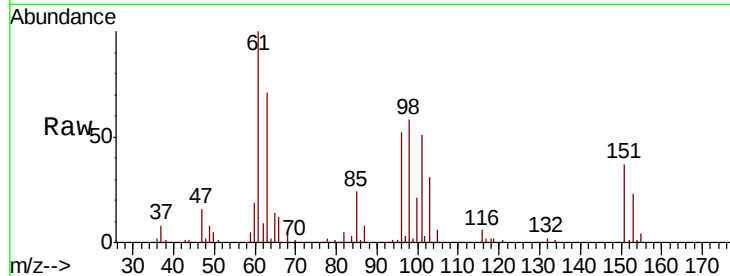
Tot Ion:101 Resp: 32968

Ion Ratio Lower Upper

101 100

85 48.0 34.5 51.7

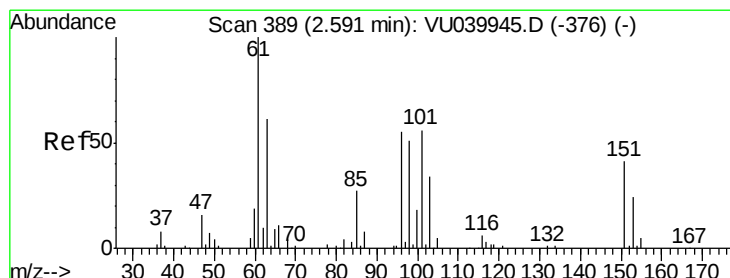
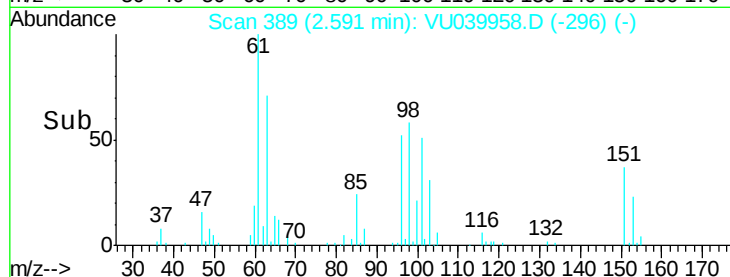
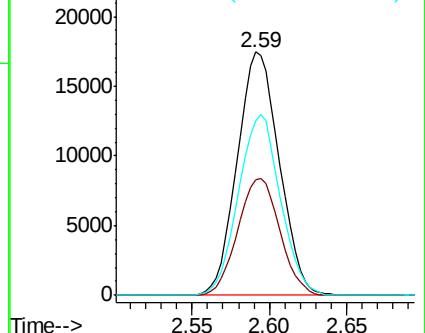
151 74.0 54.4 81.6



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: 4.628 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

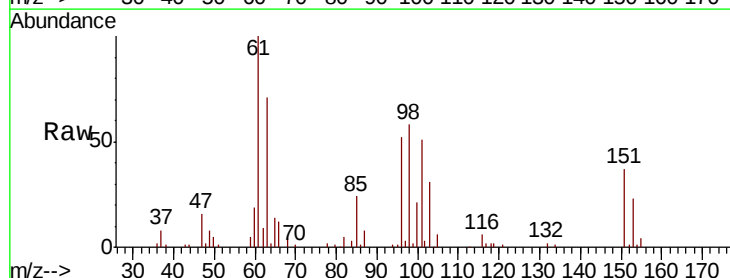
Tgt Ion: 96 Resp: 29478

Ion Ratio Lower Upper

96 100

61 191.1 126.8 235.4

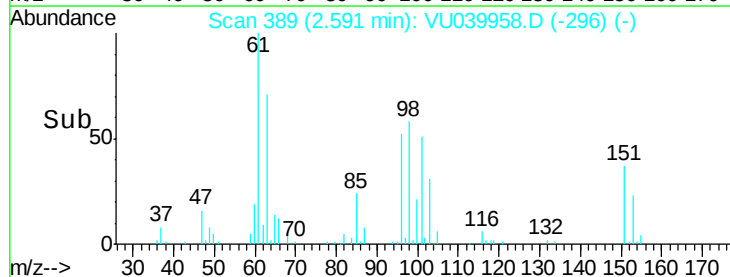
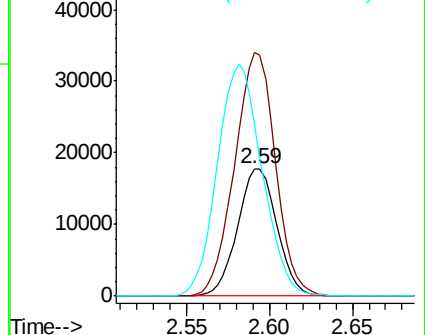
63 134.8 88.6 164.6

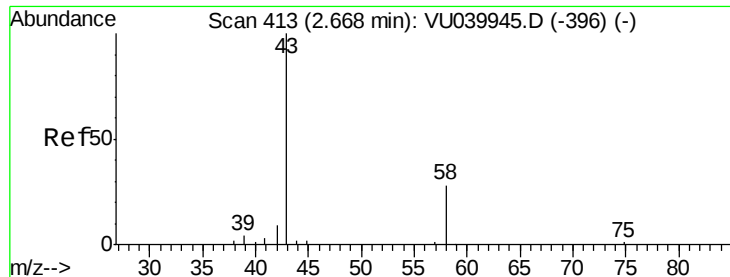


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.497 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

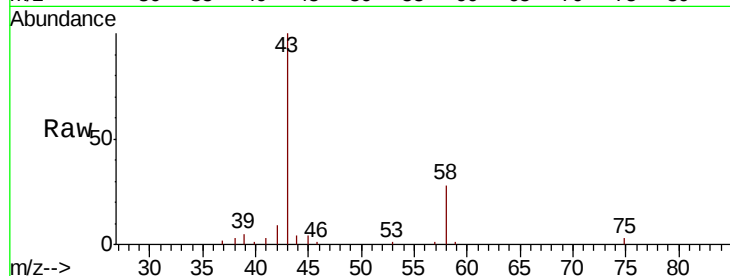
VSTD00509

Tot Ion: 43 Resp: 64585

Ion Ratio Lower Upper

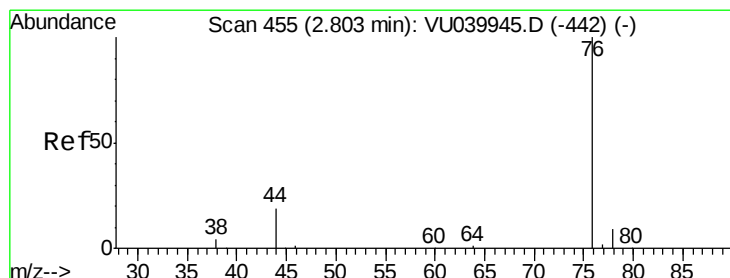
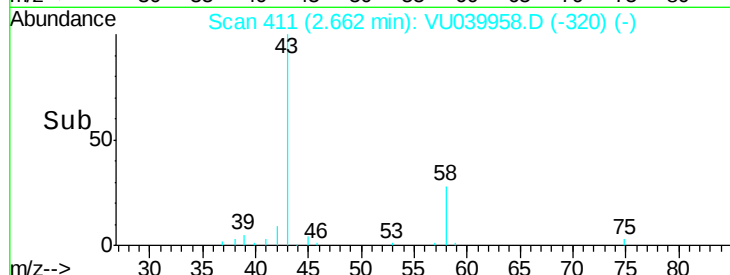
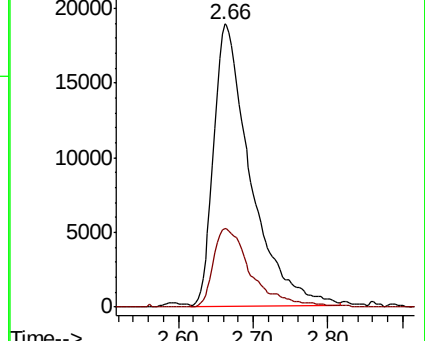
43 100

58 28.7 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039958.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU039958.D (-320) (-)



#14

Carbon disulfide

Concen: 4.420 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039958.D

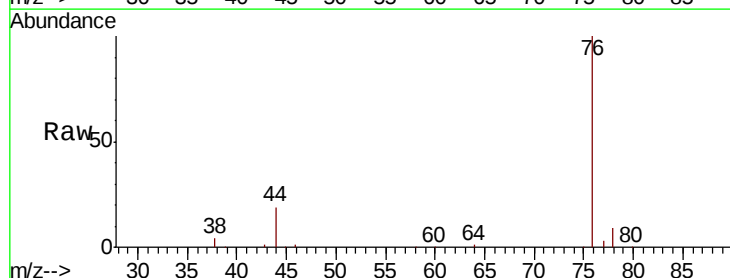
Acq: 25 Aug 2020 10:30

Tgt Ion: 76 Resp: 90972

Ion Ratio Lower Upper

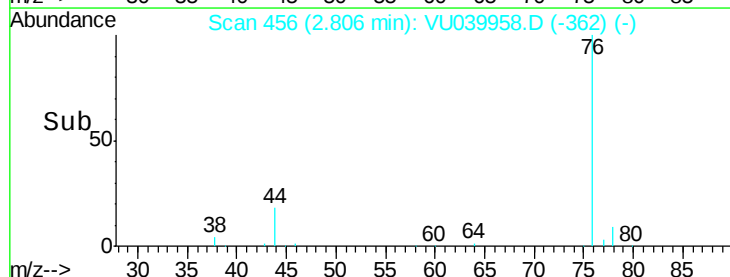
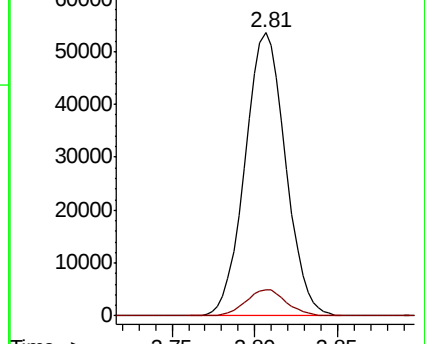
76 100

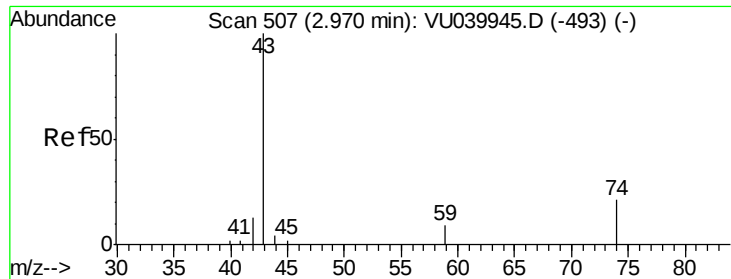
78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039958.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU039958.D (-362) (-)

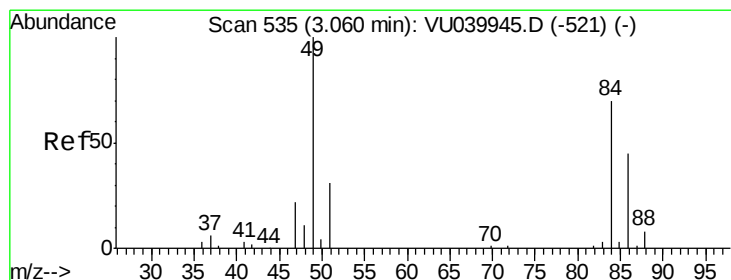
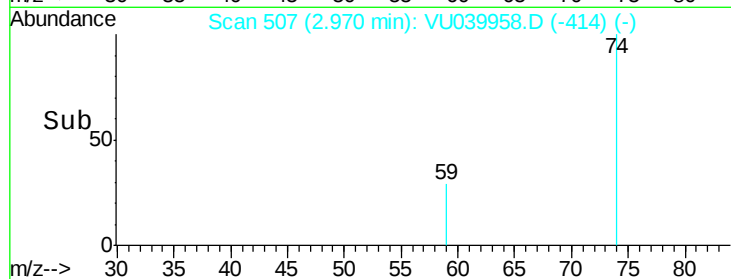
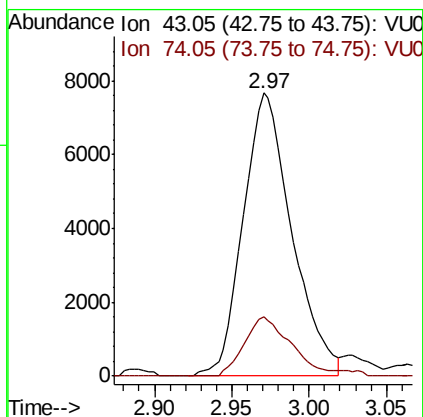
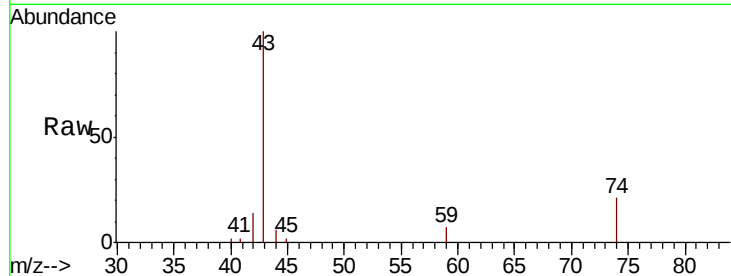




#15
Methvl Acetate
Concen: 4.717 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

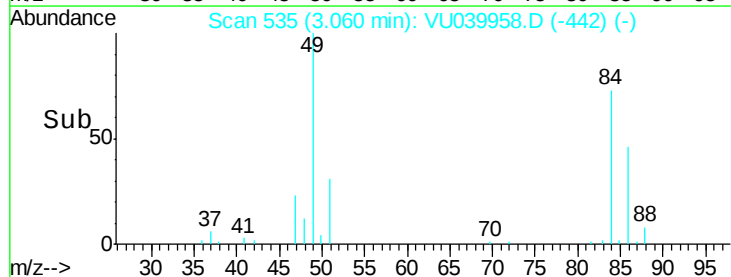
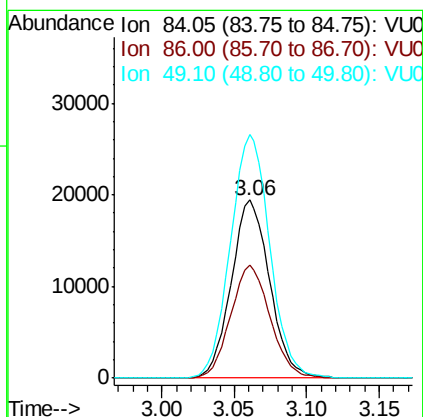
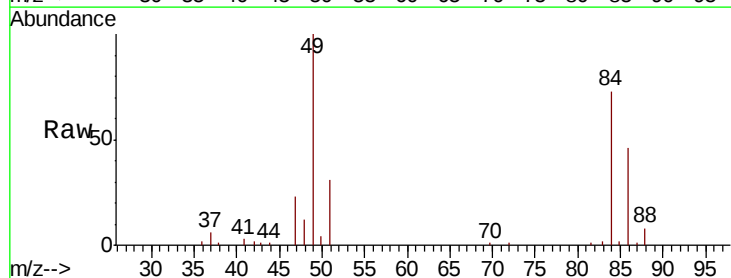
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

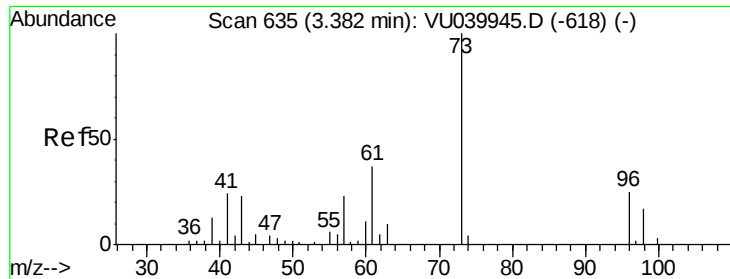
Tot Ion: 43 Resp: 16818
Ion Ratio Lower Upper
43 100
74 20.9 16.3 24.5



#16
Methylene chloride
Concen: 4.084 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

Tgt Ion: 84 Resp: 35769
Ion Ratio Lower Upper
84 100
86 63.4 47.2 87.6
49 136.9 99.8 185.4

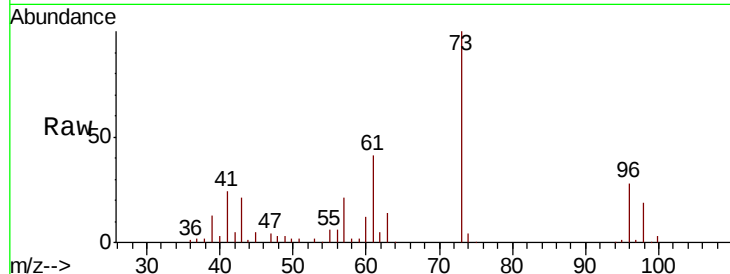




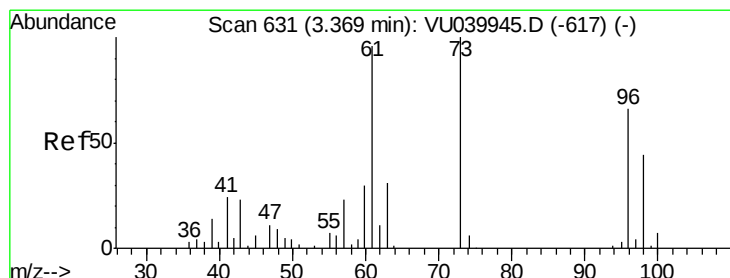
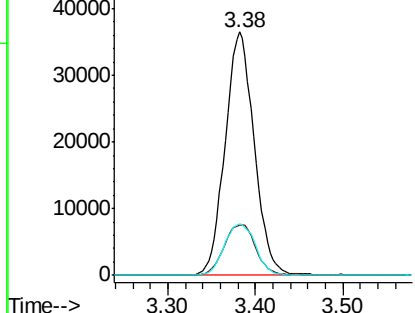
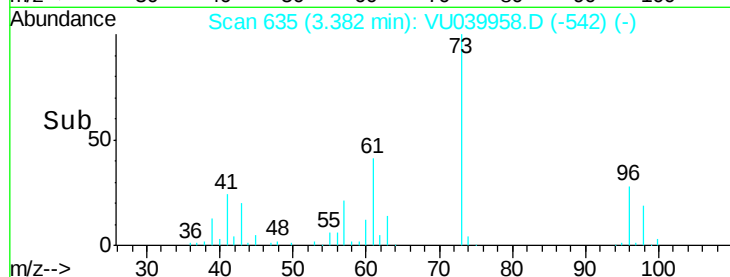
#17
Methvl tert-butvl Ether
Concen: 5.261 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion: 73 Resp: 84491
Ion Ratio Lower Upper
73 100
43 22.6 16.6 24.8
57 22.7 18.2 27.4

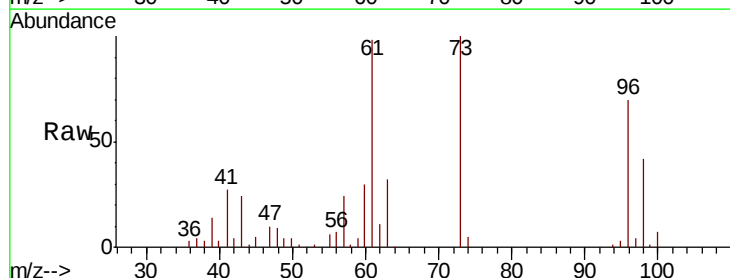


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

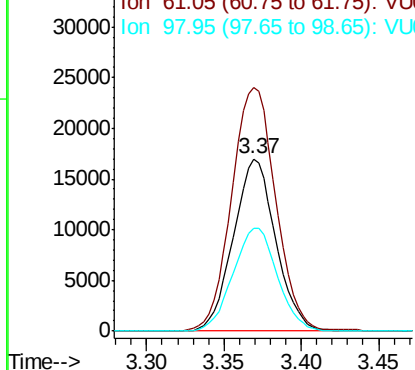
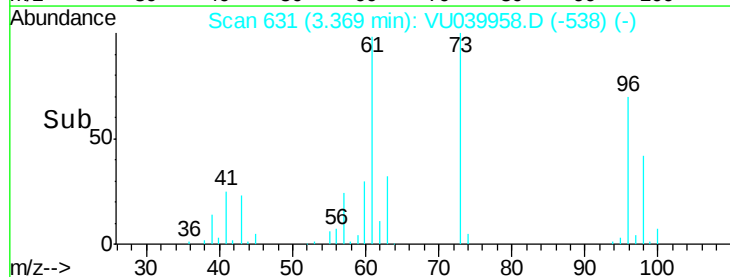


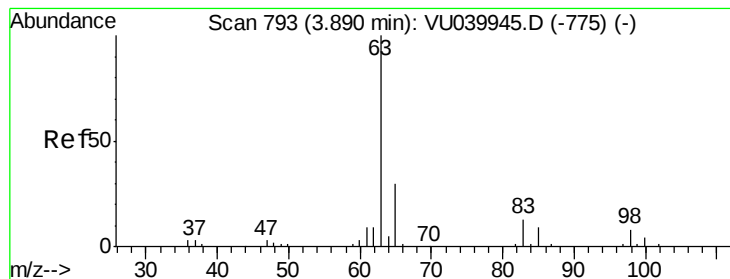
#18
trans-1,2-Dichloroethene
Concen: 4.873 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

Tgt Ion: 96 Resp: 32234
Ion Ratio Lower Upper
96 100
61 141.2 93.7 173.9
98 59.9 40.7 75.5



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: 5.341 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

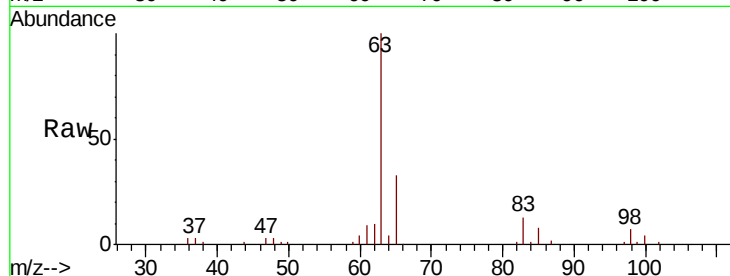
Tot Ion: 63 Resp: 65497

Ion Ratio Lower Upper

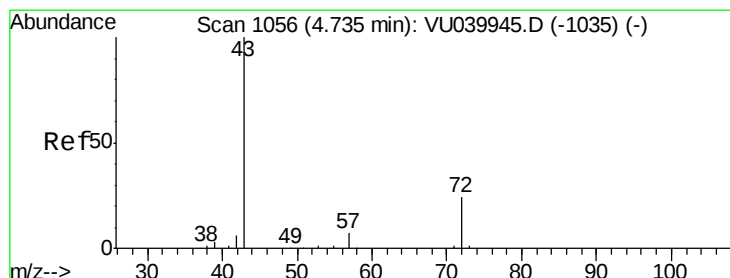
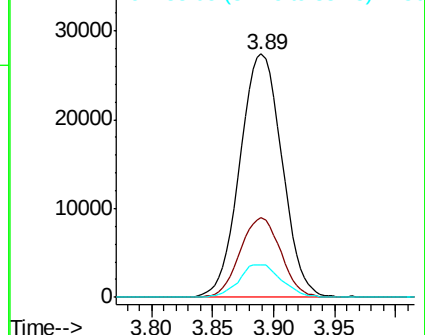
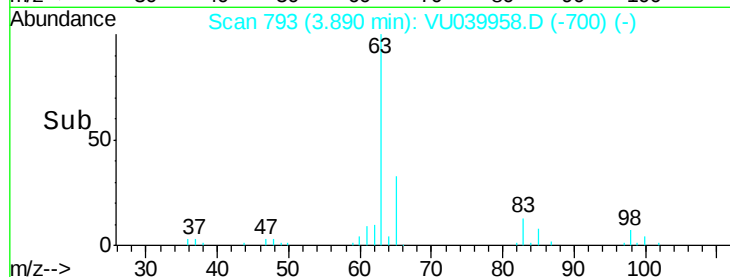
63 100

65 32.8 21.6 40.0

83 13.3 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039958.D (-700) (-)



#21

2-Butanone

Concen: 45.125 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039958.D

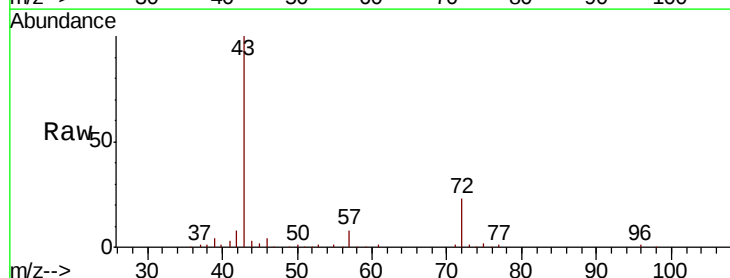
Acq: 25 Aug 2020 10:30

Tgt Ion: 43 Resp: 108908

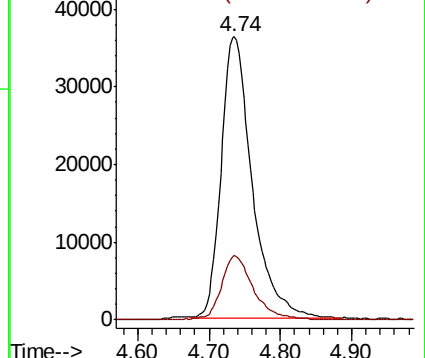
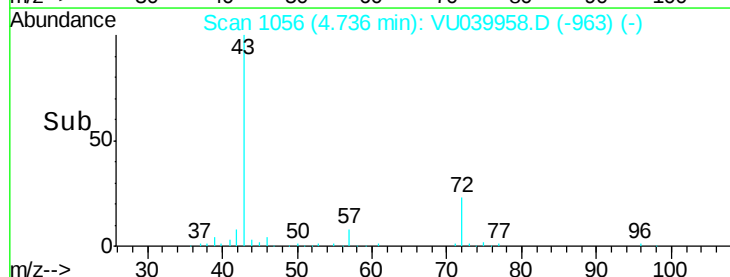
Ion Ratio Lower Upper

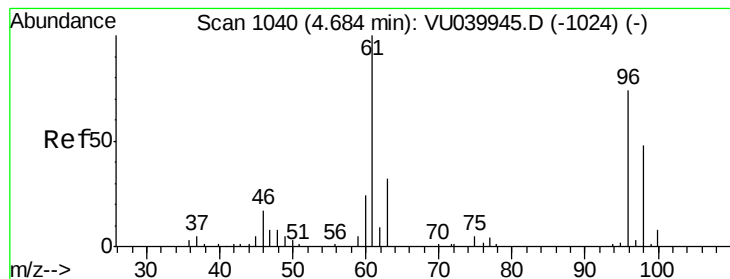
43 100

72 23.9 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039958.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.073 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

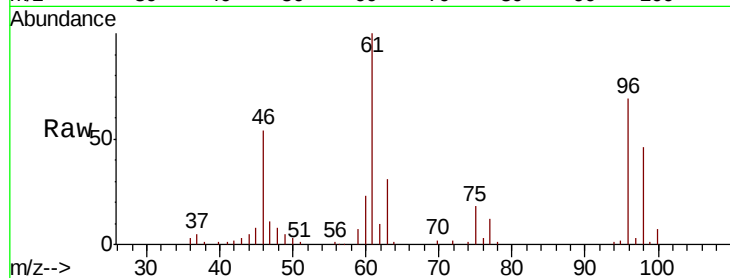
Tot Ion: 96 Resp: 35129

Ion Ratio Lower Upper

96 100

61 144.2 90.9 168.9

68 0.0 0.0 0.0

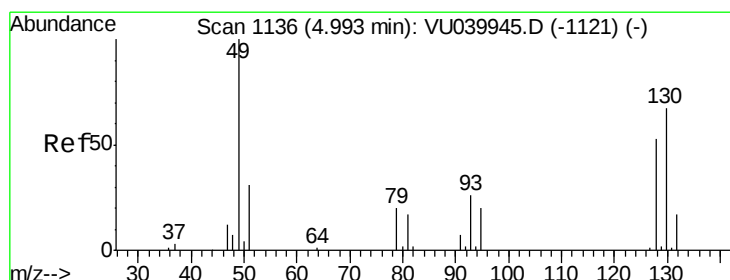
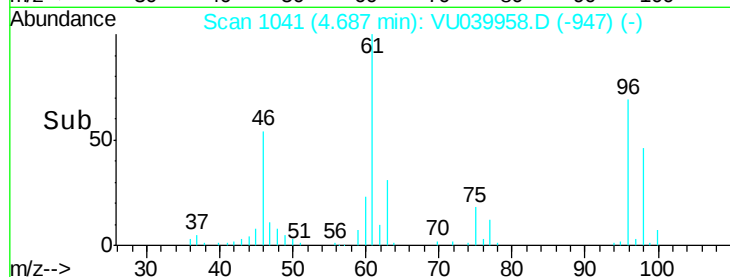
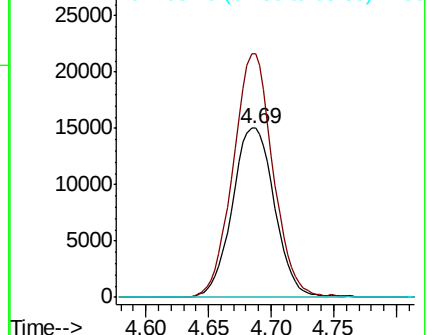


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.976 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Tgt Ion: 128 Resp: 16207

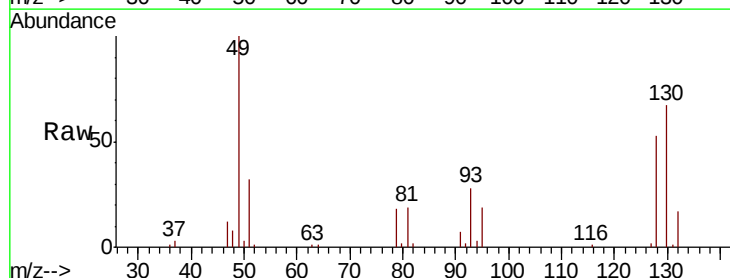
Ion Ratio Lower Upper

128 100

49 187.4 121.2 225.2

130 125.8 90.2 167.6

51 59.3 47.2 70.8



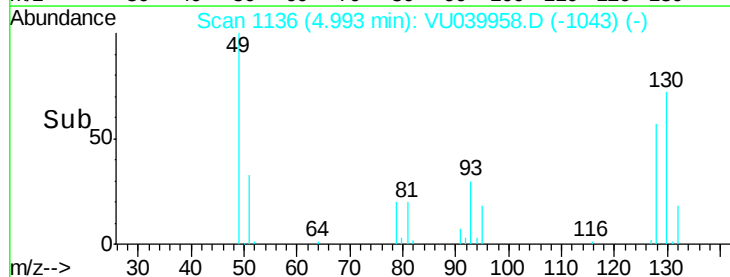
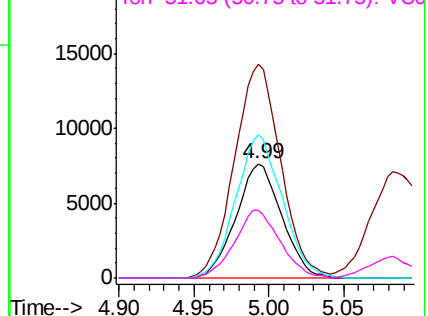
Abundance

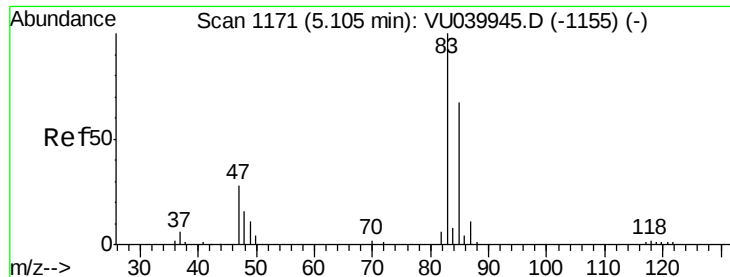
Ion 127.90 (127.60 to 128.60): V

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

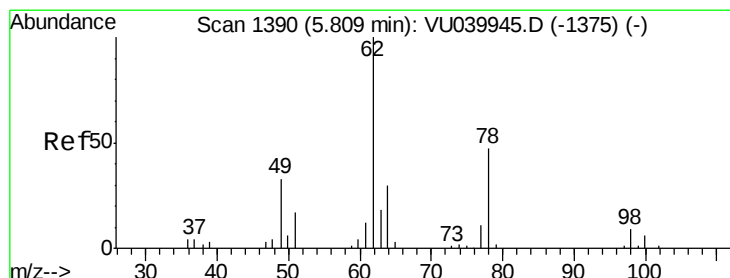
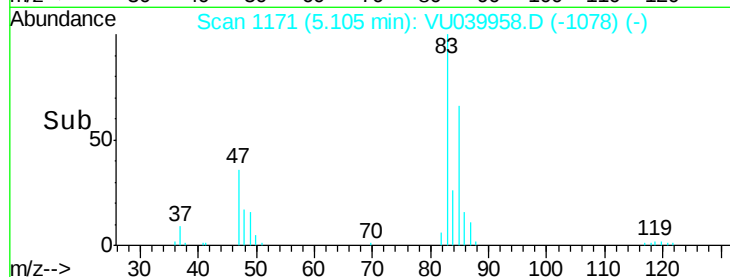
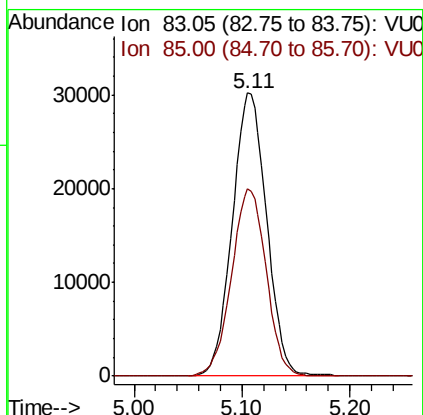
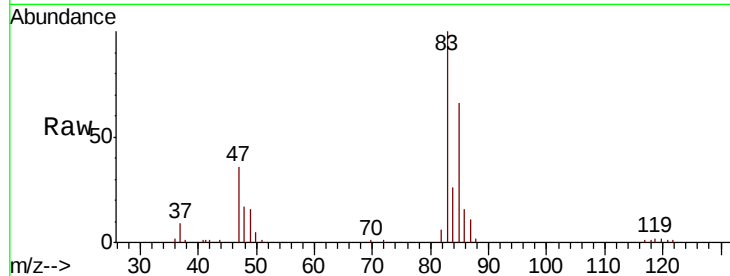




#25
Chloroform
Concen: 5.379 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

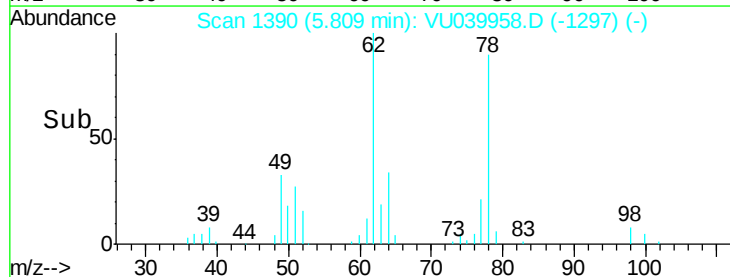
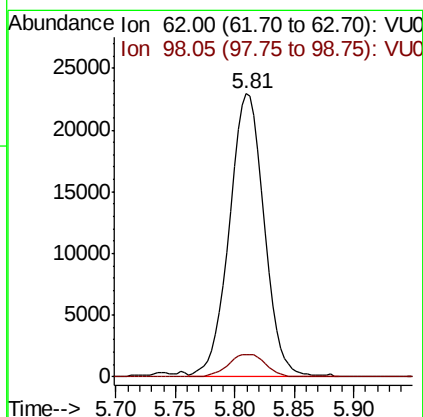
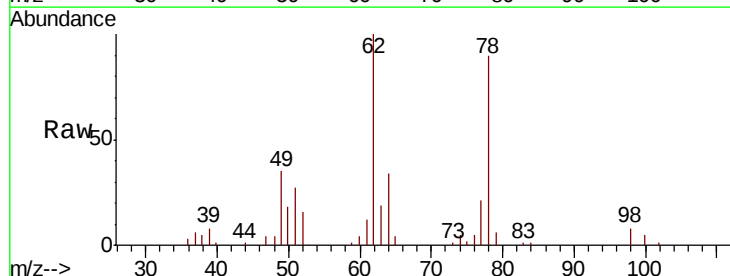
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

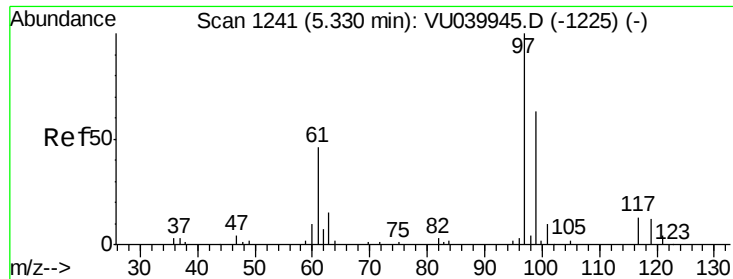
Tot Ion: 83 Resp: 66854
Ion Ratio Lower Upper
83 100
85 66.0 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.359 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039958.D
Acq: 25 Aug 2020 10:30

Tgt Ion: 62 Resp: 46739
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.2

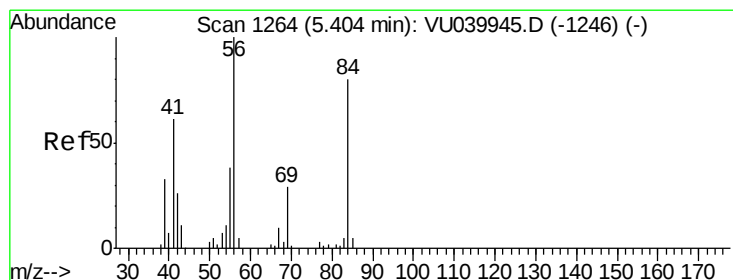
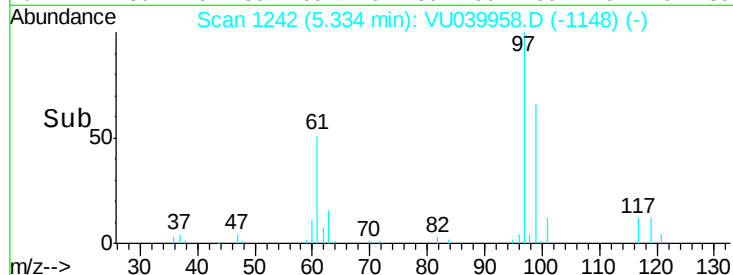
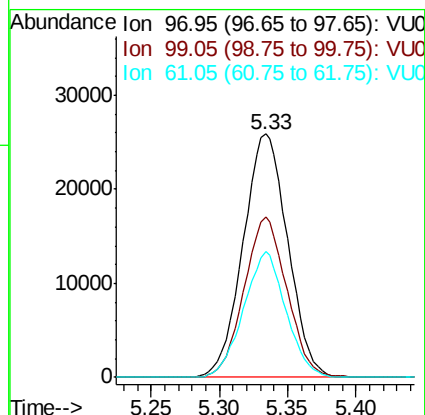
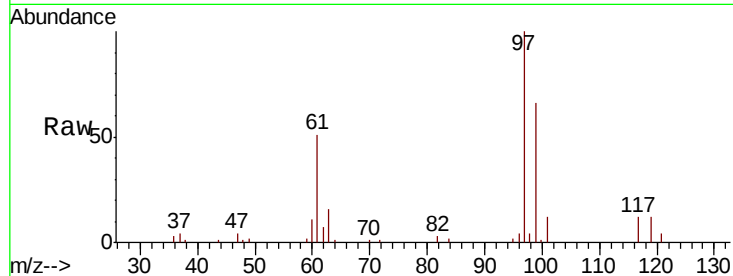




#29
 1,1,1-Trichloroethane
 Concen: 5.631 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

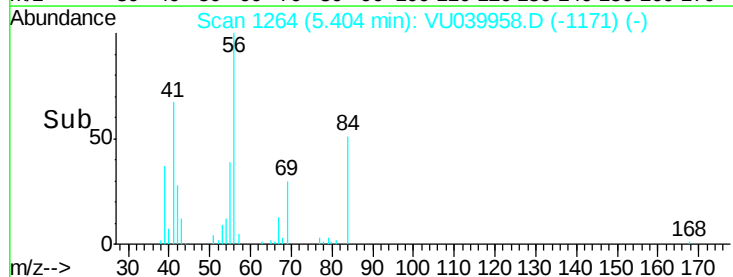
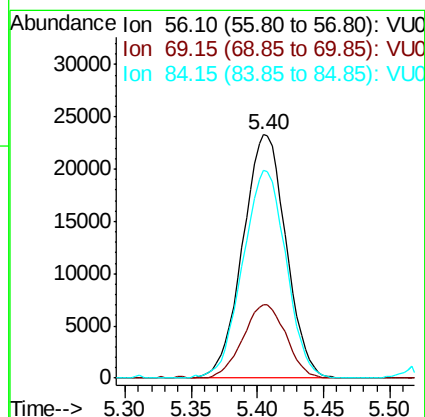
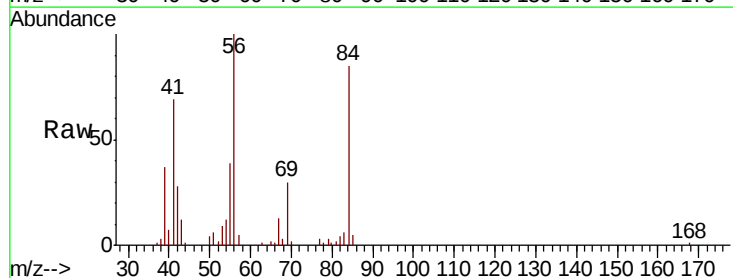
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

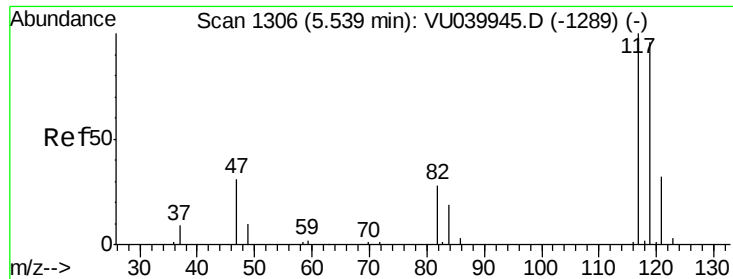
Tot Ion: 97 Resp: 58704
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.4 77.2
 61 48.7 39.1 58.7



#30
 Cyclohexane
 Concen: 5.121 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion: 56 Resp: 52852
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.1 34.7
 84 85.5 69.0 103.6





#31

Carbon tetrachloride

Concen: 5.576 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

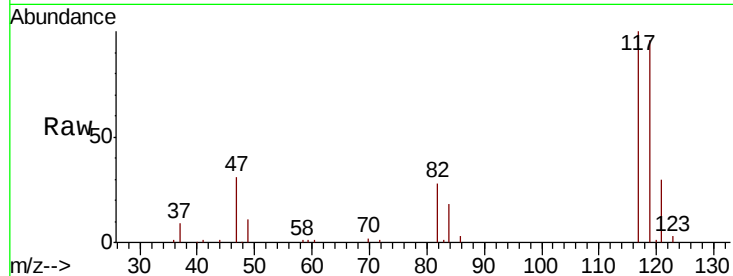
VSTD00509

Tot Ion:117 Resp: 51321

Ion Ratio Lower Upper

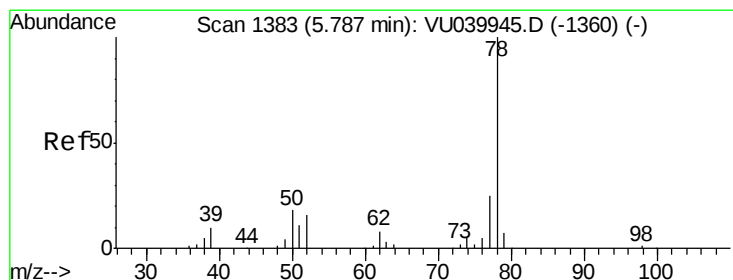
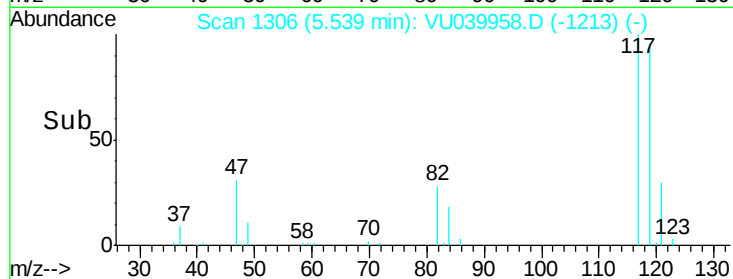
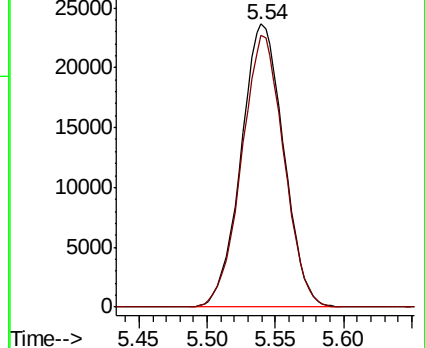
117 100

119 95.0 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.238 ug/L

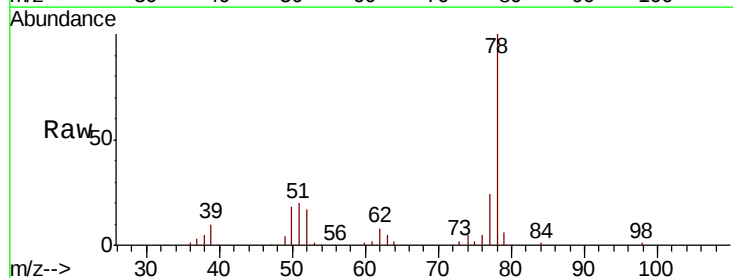
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

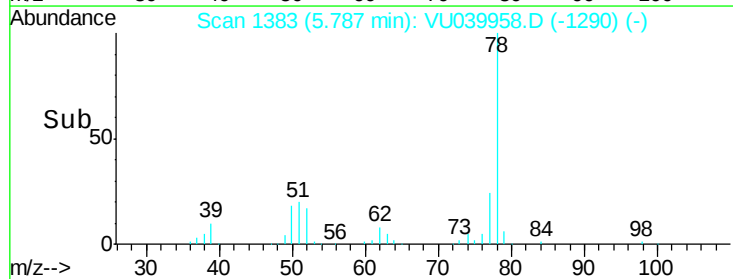
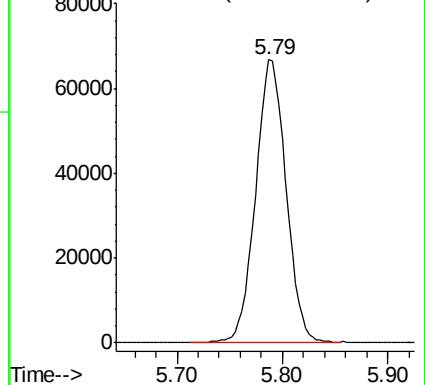
Lab File: VU039958.D

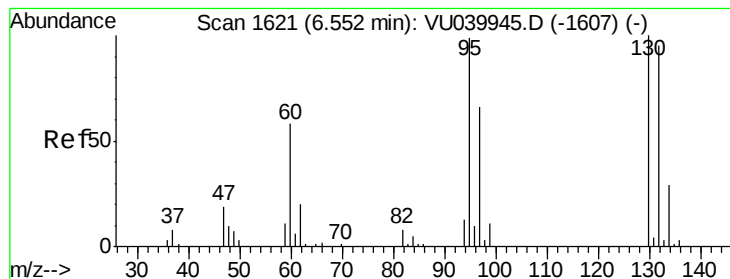
Acq: 25 Aug 2020 10:30

Tgt Ion: 78 Resp: 134909



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.337 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 95 Resp: 35674

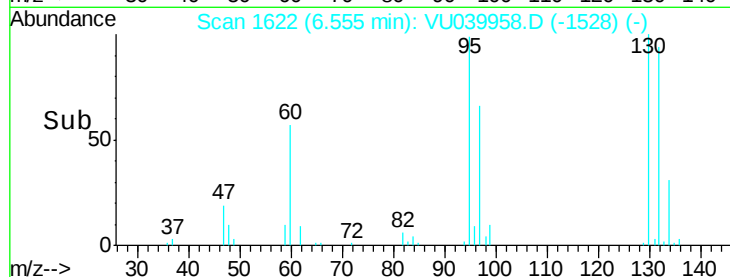
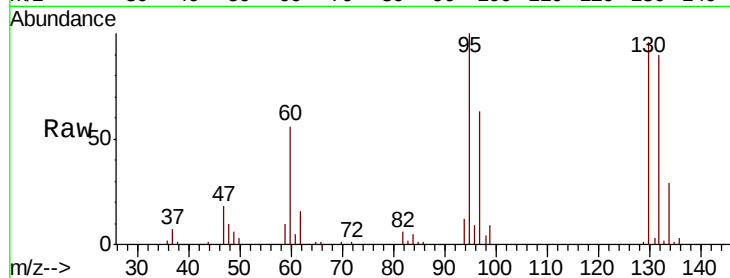
Ion Ratio Lower Upper

95 100

97 63.0 42.0 78.0

132 89.8 65.0 120.8

130 95.6 65.5 121.7

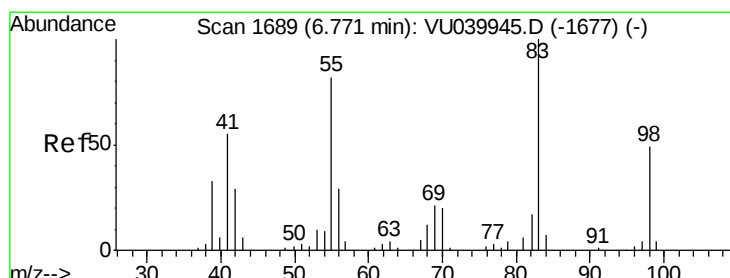
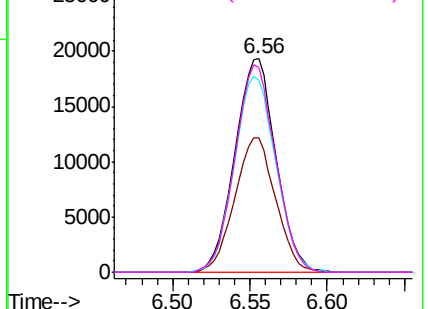


Abundance Ion 95.00 (94.70 to 95.70): VU039958.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039958.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039958.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039958.D (-1528) (-)



#35

Methylcyclohexane

Concen: 5.255 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

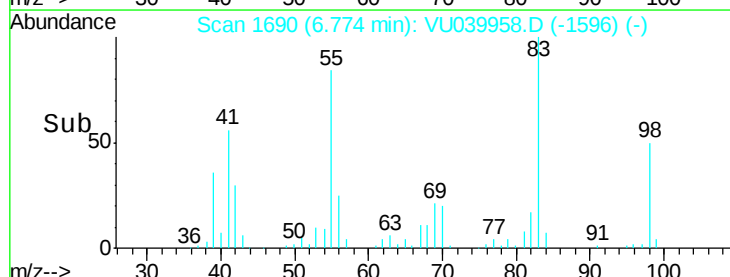
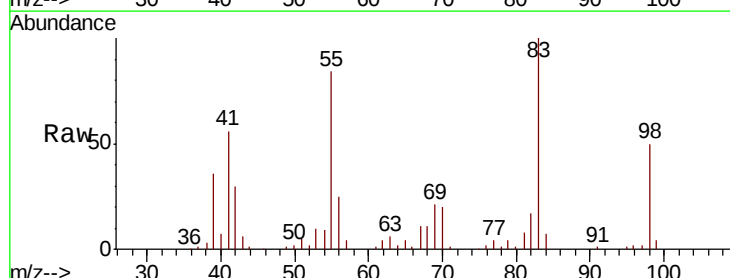
Tgt Ion: 83 Resp: 53808

Ion Ratio Lower Upper

83 100

55 83.9 64.1 96.1

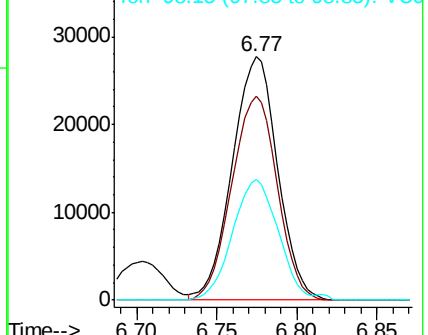
98 49.4 39.4 59.0

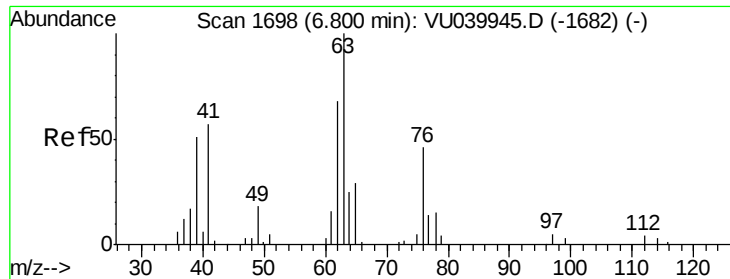


Abundance Ion 83.15 (82.85 to 83.85): VU039958.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU039958.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU039958.D (-1596) (-)

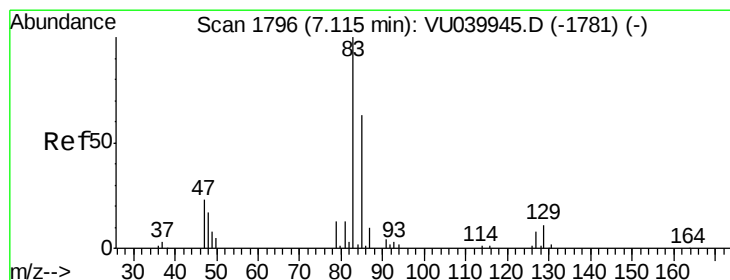
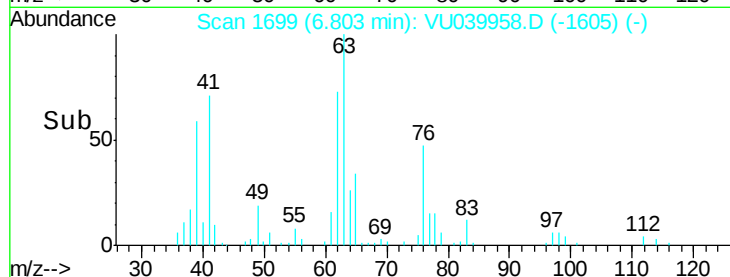
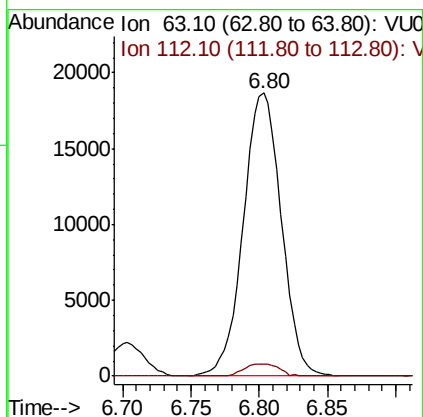
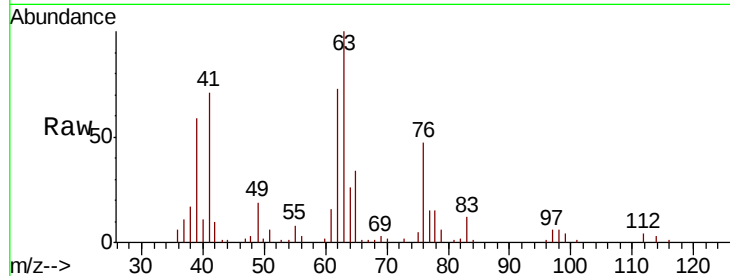




#37
 1,2-Dichloropropane
 Concen: 5.282 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

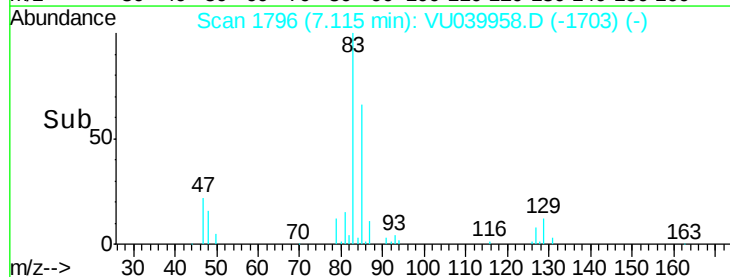
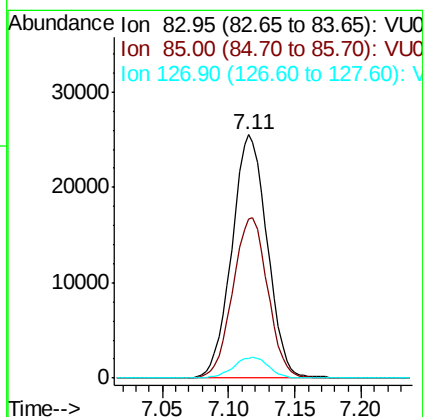
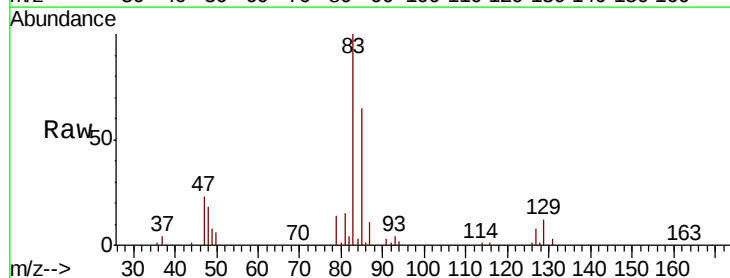
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

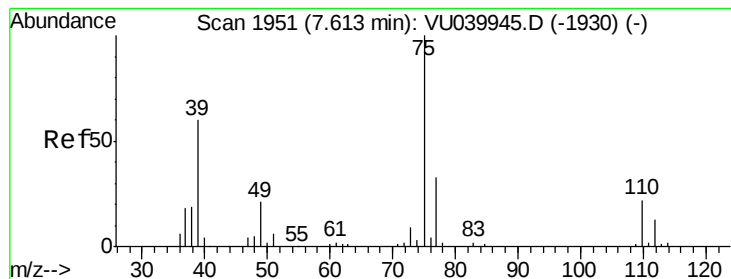
Tot Ion: 63 Resp: 36155
 Ion Ratio Lower Upper
 63 100
 112 4.0 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 5.432 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion: 83 Resp: 47254
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.3 82.3
 127 8.3 6.7 10.1



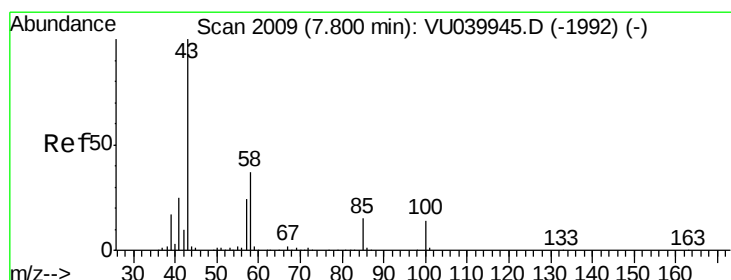
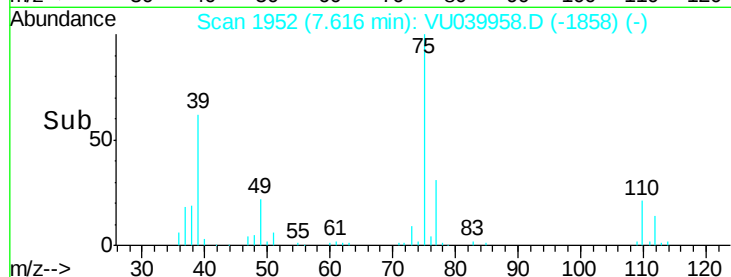
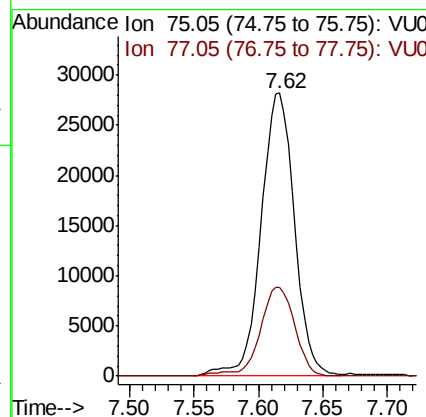
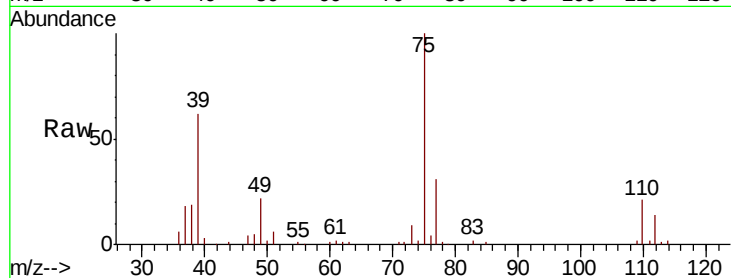


#39

cis-1,3-Dichloropropene
 Concen: 5.351 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

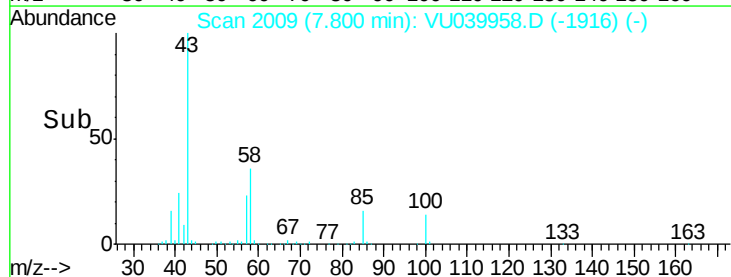
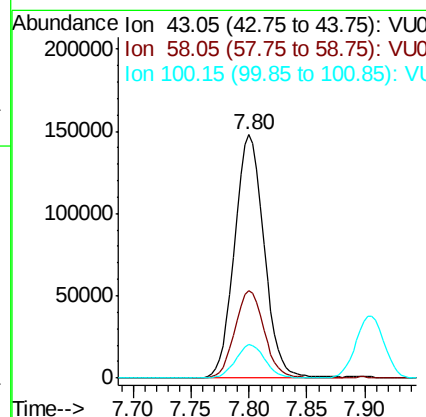
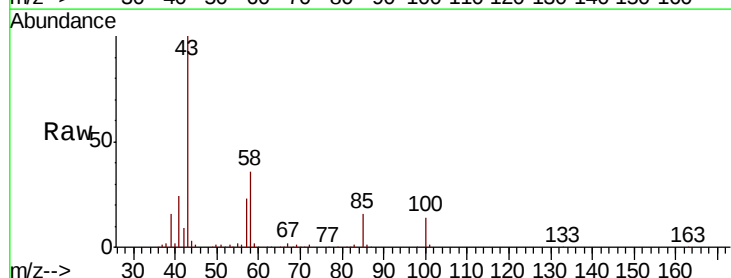
Tot Ion: 75 Resp: 51183
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.6 42.0

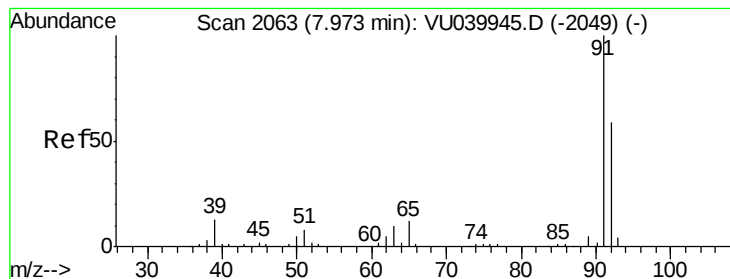


#40

4-Methyl-2-pentanone
 Concen: 47.998 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion: 43 Resp: 260182
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.7 44.5
 100 13.7 11.2 16.8





#42

Toluene

Concen: 5.224 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

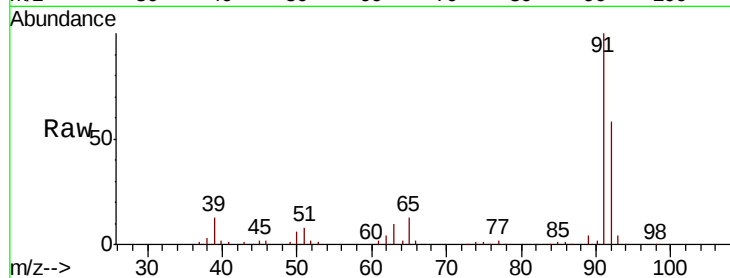
VSTD00509

Tot Ion: 91 Resp: 137595

Ion Ratio Lower Upper

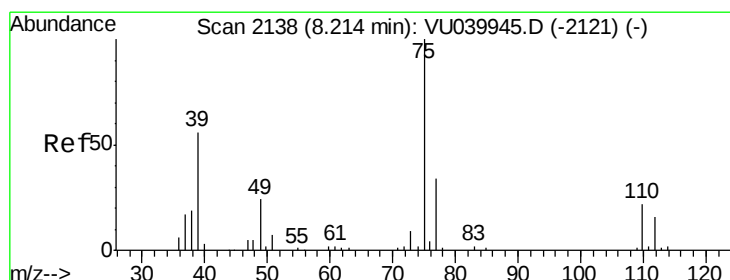
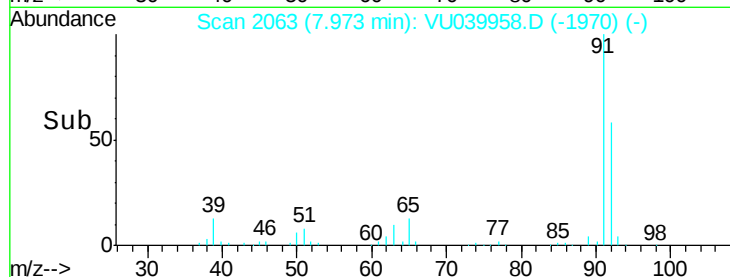
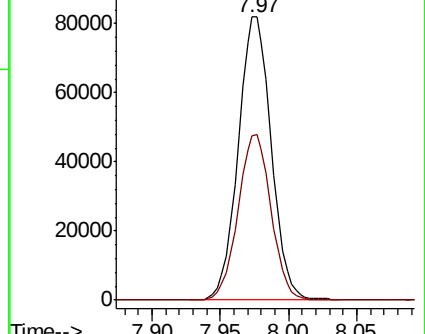
91 100

92 58.2 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039945.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039945.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.211 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039958.D

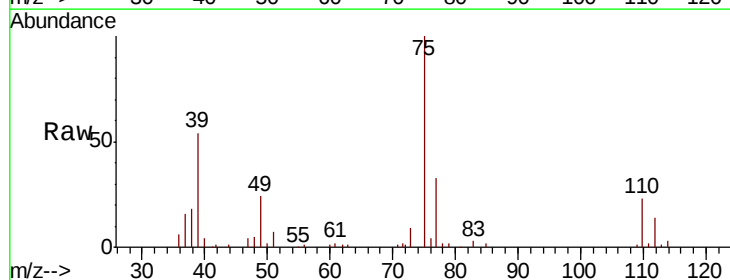
Acq: 25 Aug 2020 10:30

Tgt Ion: 75 Resp: 46840

Ion Ratio Lower Upper

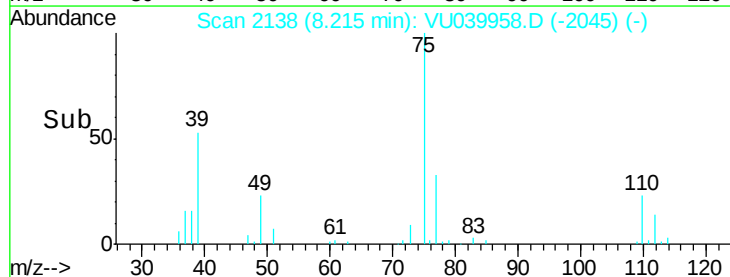
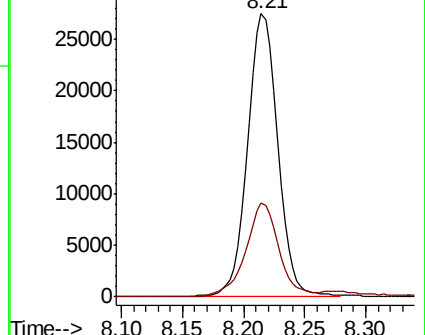
75 100

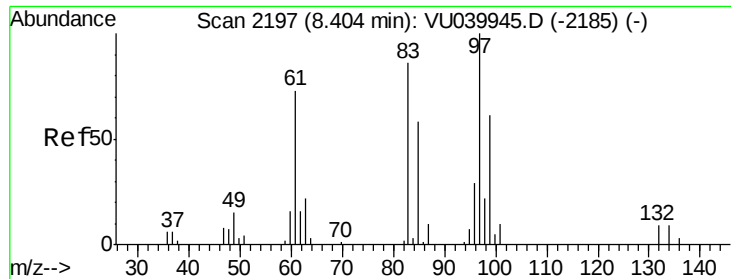
77 33.1 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039945.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039945.D (-2121) (-)

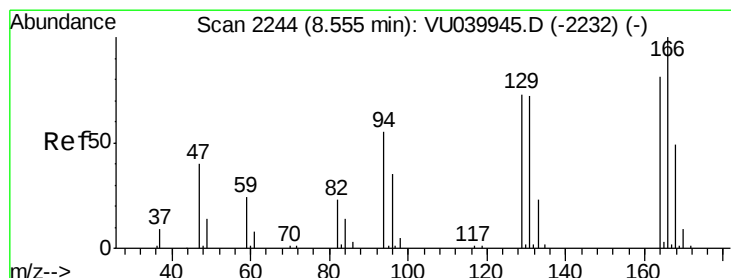
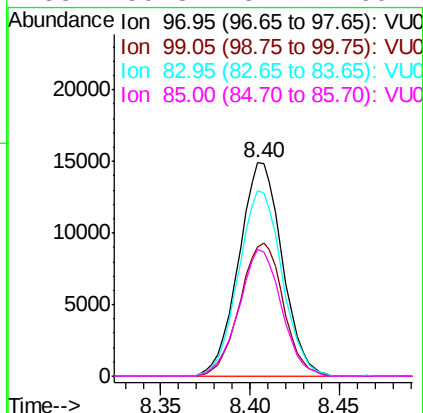
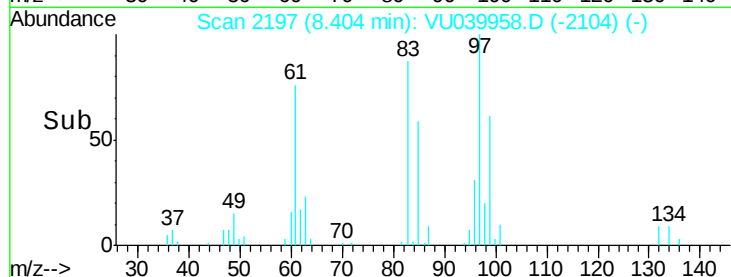
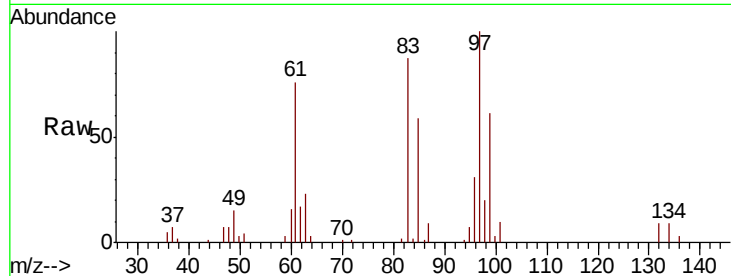




#45
 1,1,2-Trichloroethane
 Concen: 4.884 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

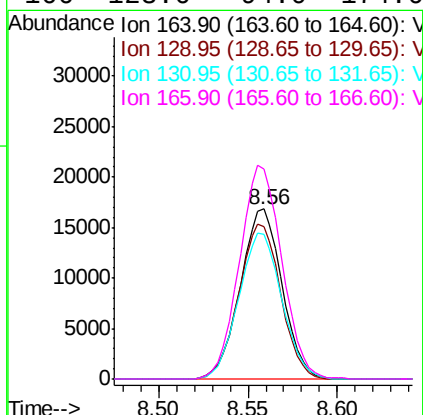
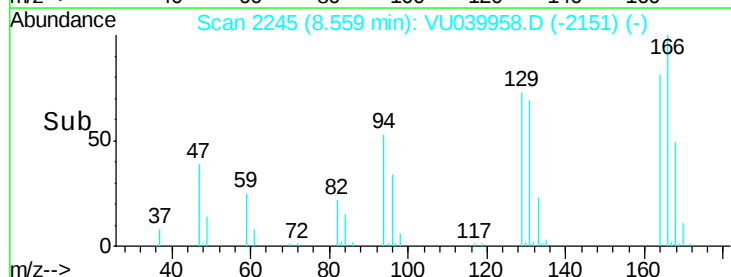
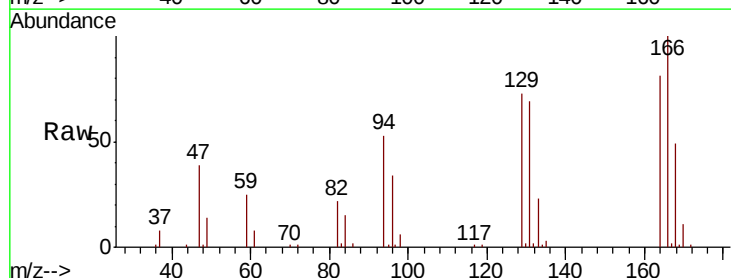
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

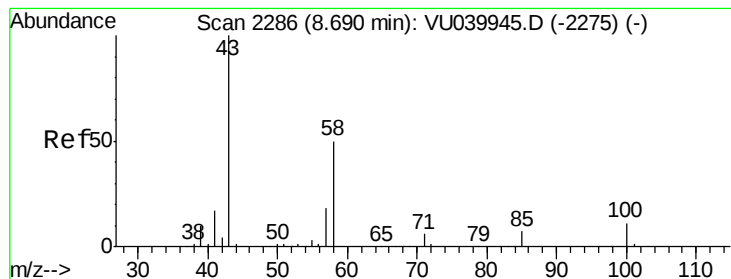
Tot Ion:	97	Resp:	25399
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.1	78.3
83	86.9	59.3	110.1
85	59.3	37.2	69.2



#47
 Tetrachloroethene
 Concen: 5.581 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion:	164	Resp:	27523
Ion	Ratio	Lower	Upper
164	100		
129	89.6	69.1	128.3
131	85.0	66.0	122.6
166	123.6	94.0	174.6





#48

2-Hexanone

Concen: 47.659 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 43 Resp: 185135

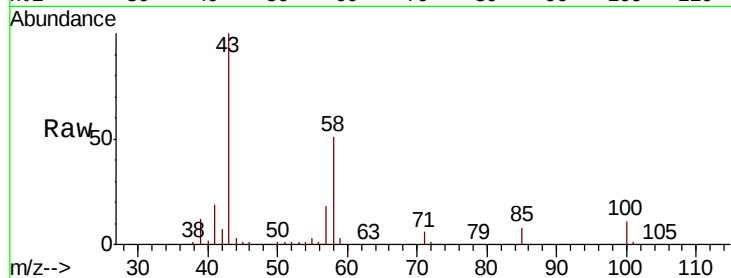
Ion Ratio Lower Upper

43 100

58 49.1 41.3 61.9

57 17.5 14.1 21.1

100 10.8 9.1 13.7

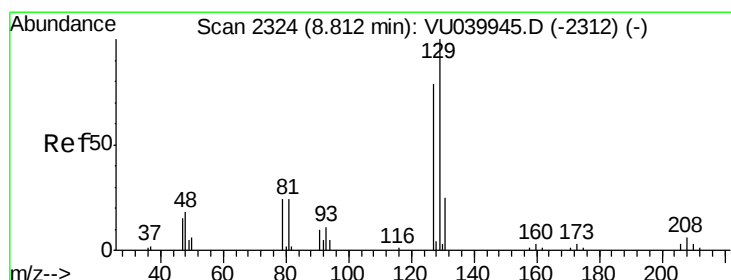
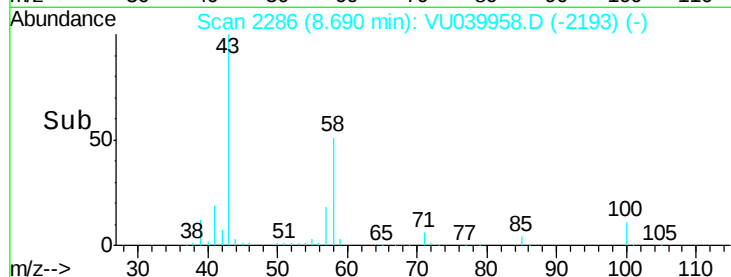
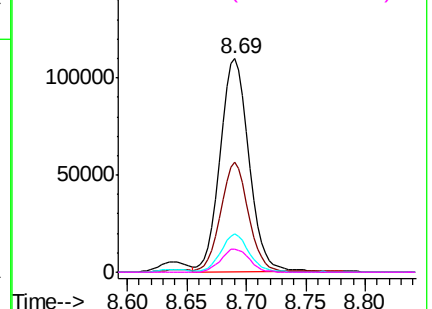


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.130 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU039958.D

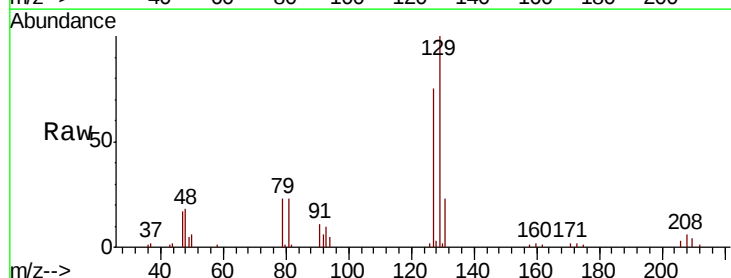
Acq: 25 Aug 2020 10:30

Tgt Ion: 129 Resp: 31854

Ion Ratio Lower Upper

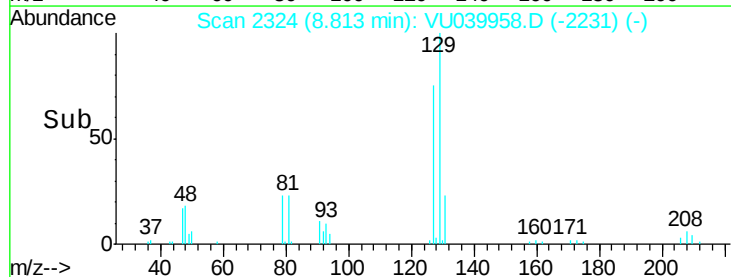
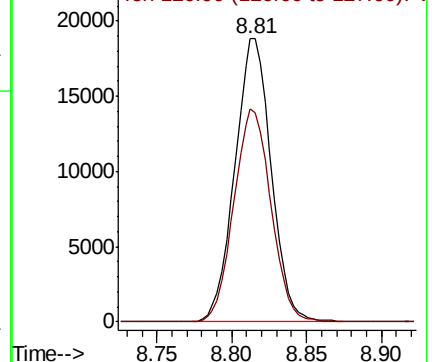
129 100

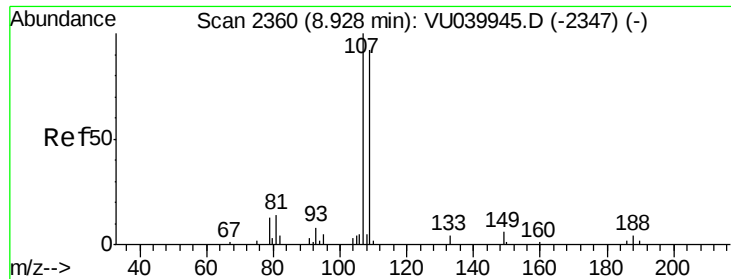
127 75.2 53.1 98.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

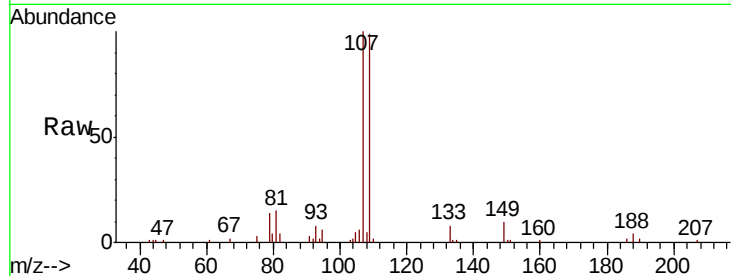




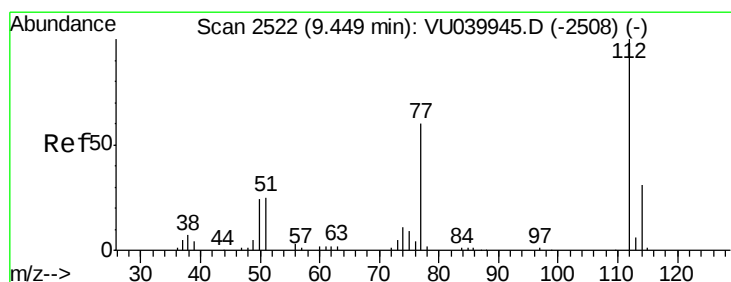
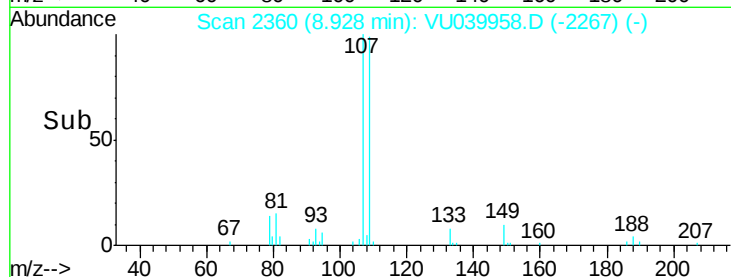
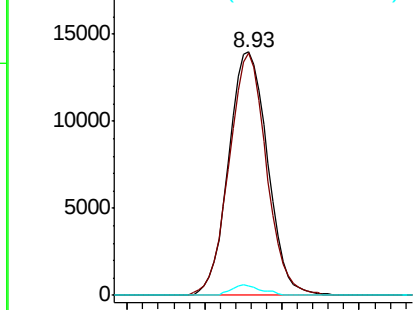
#50
 1,2-Dibromoethane
 Concen: 4.943 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:107 Resp: 24480
 Ion Ratio Lower Upper
 107 100
 109 99.5 68.3 126.9
 188 3.9 2.2 3.4#

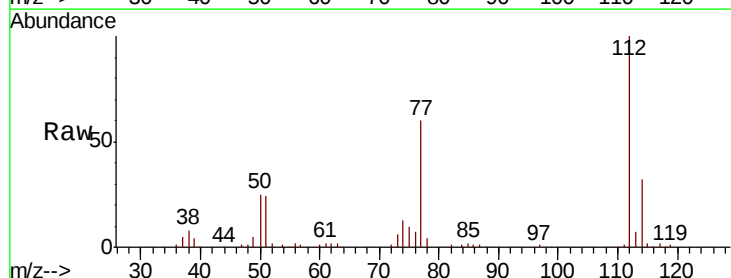


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

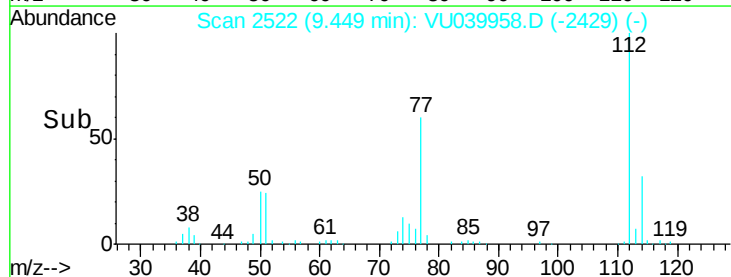
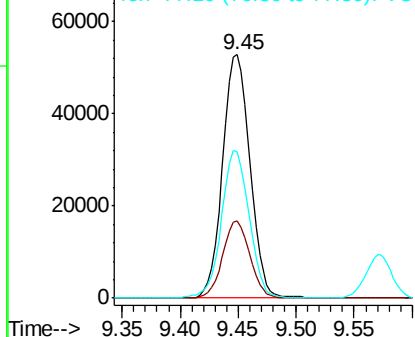


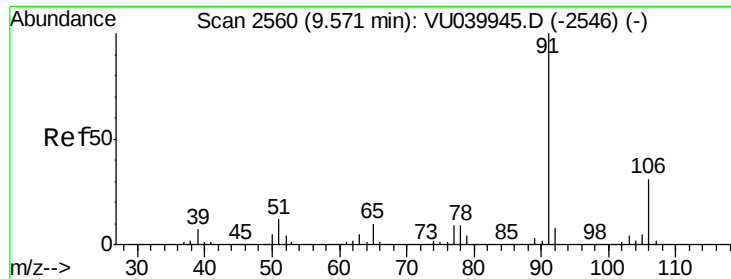
#51
 Chlorobenzene
 Concen: 5.014 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion:112 Resp: 86237
 Ion Ratio Lower Upper
 112 100
 114 31.6 21.8 40.4
 77 60.0 45.4 68.0



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





#52

Ethylbenzene

Concen: 5.204 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

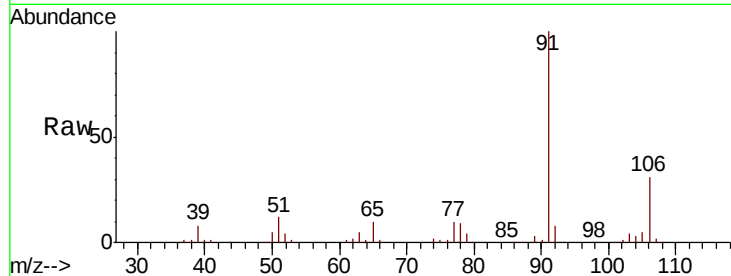
VSTD00509

Tot Ion: 91 Resp: 149099

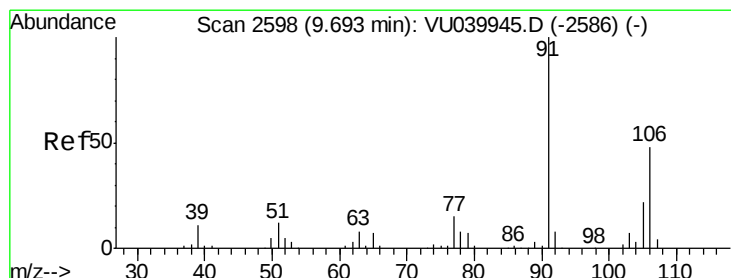
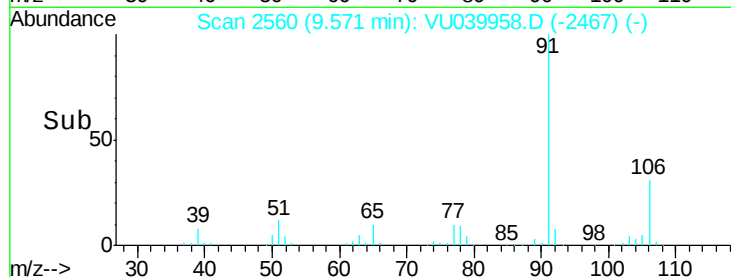
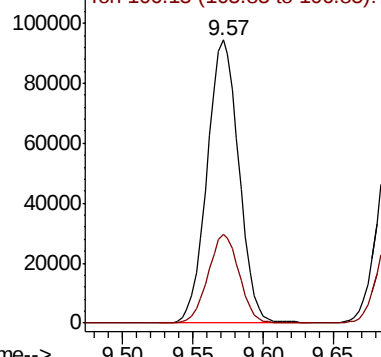
Ion Ratio Lower Upper

91 100

106 31.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039945.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.138 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039958.D

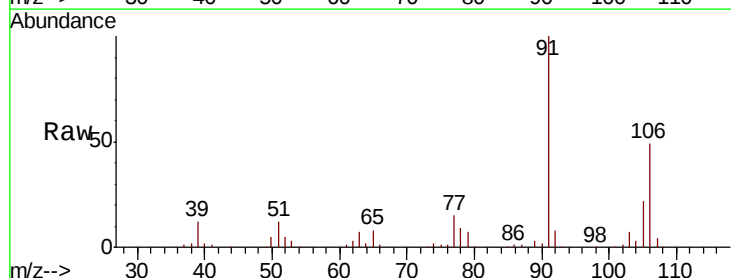
Acq: 25 Aug 2020 10:30

Tgt Ion: 106 Resp: 56514

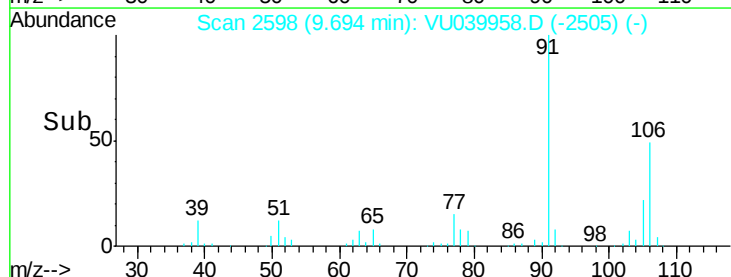
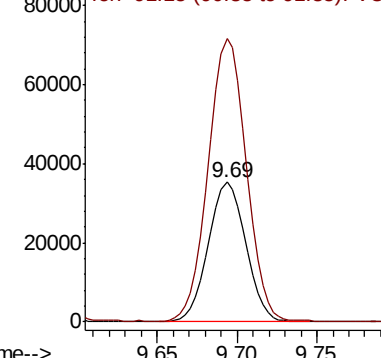
Ion Ratio Lower Upper

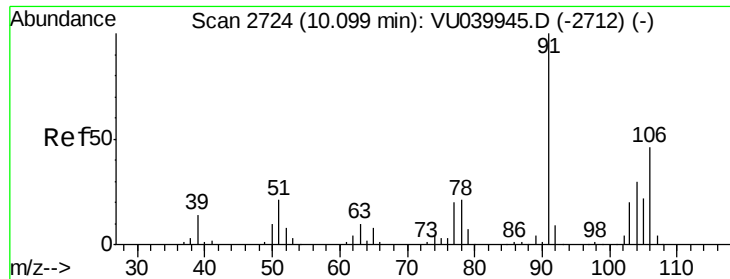
106 100

91 203.0 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039945.D (-2586) (-)





#54

o-Xylene

Concen: 5.234 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

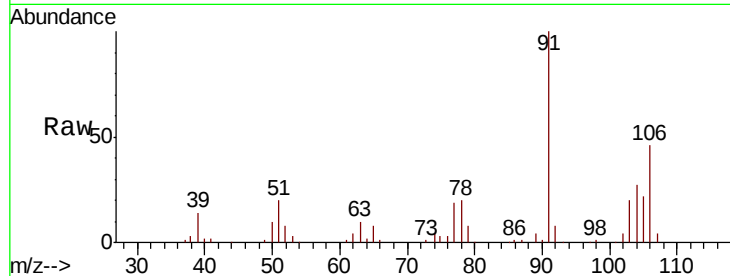
VSTD00509

Tot Ion:106 Resp: 54418

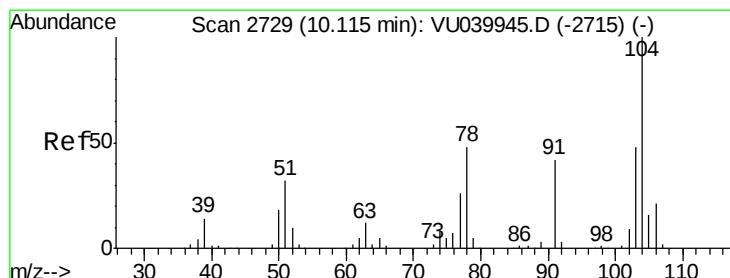
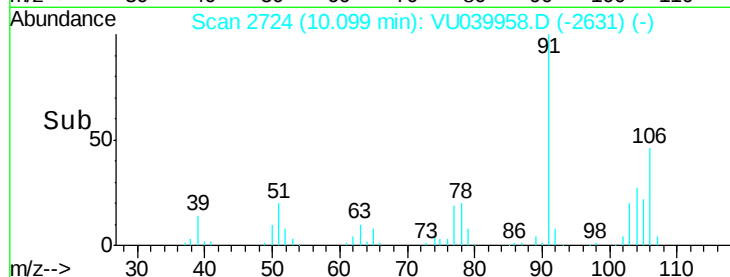
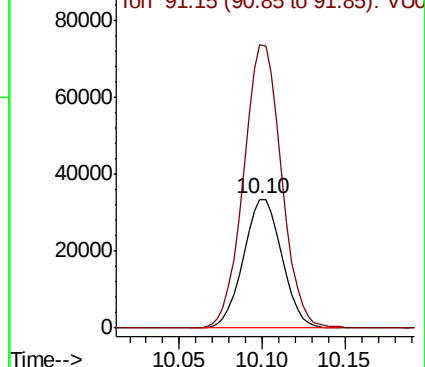
Ion Ratio Lower Upper

106 100

91 219.7 144.6 268.6



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.145 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039958.D

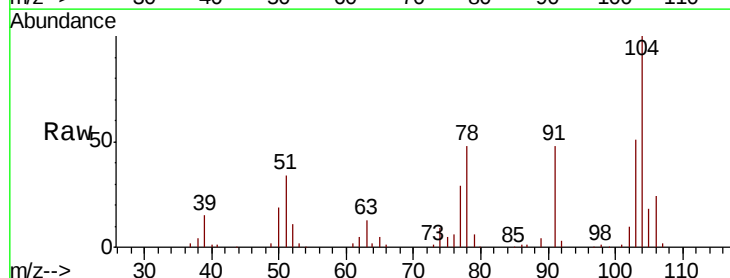
Acq: 25 Aug 2020 10:30

Tgt Ion:104 Resp: 92716

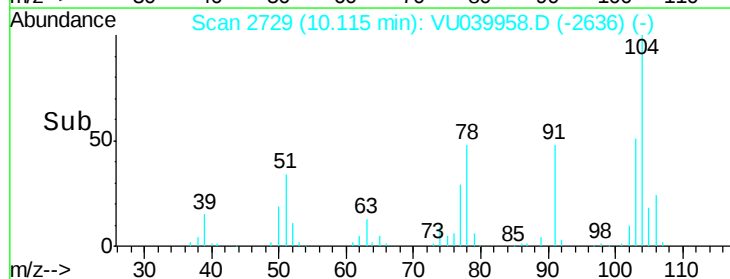
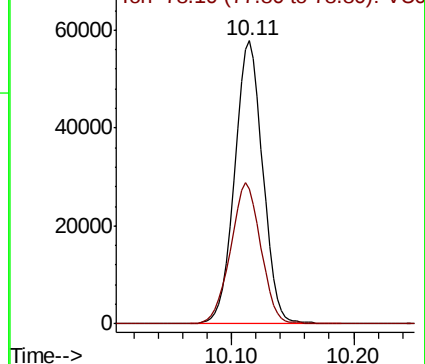
Ion Ratio Lower Upper

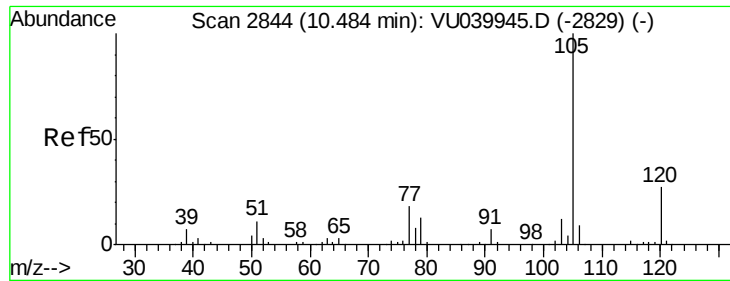
104 100

78 47.8 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.236 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

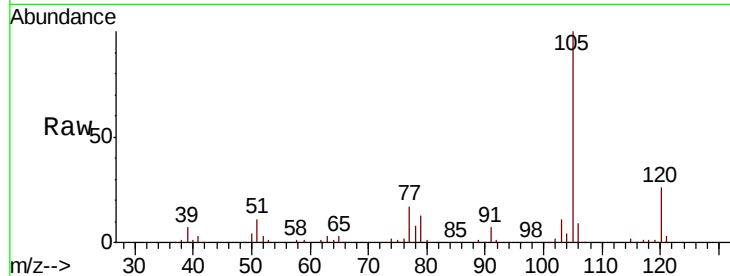
Tot Ion:105 Resp: 145921

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

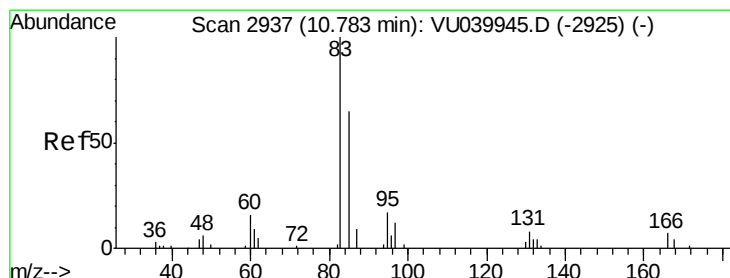
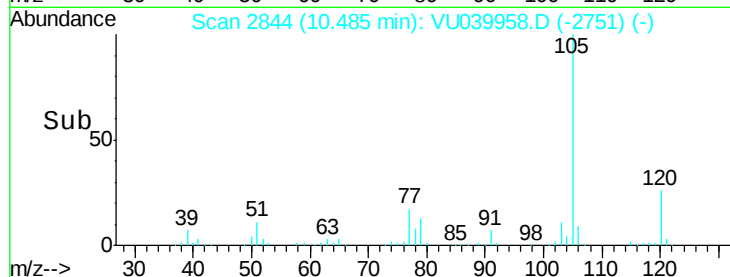
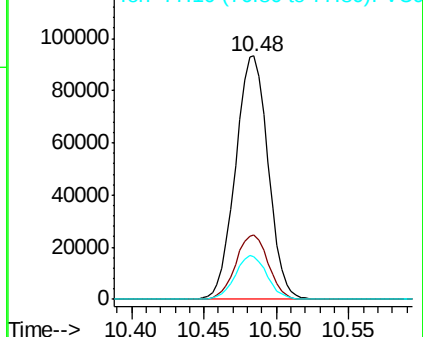
77 17.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.521 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

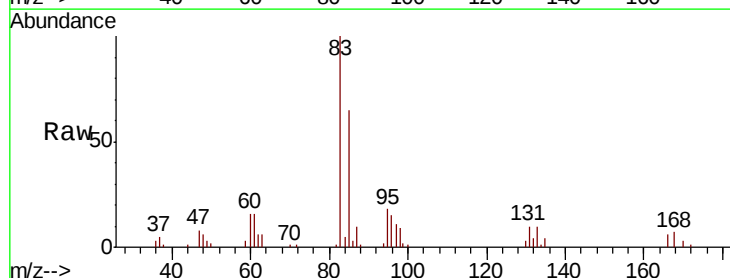
Tgt Ion: 83 Resp: 30363

Ion Ratio Lower Upper

83 100

85 65.1 42.8 79.6

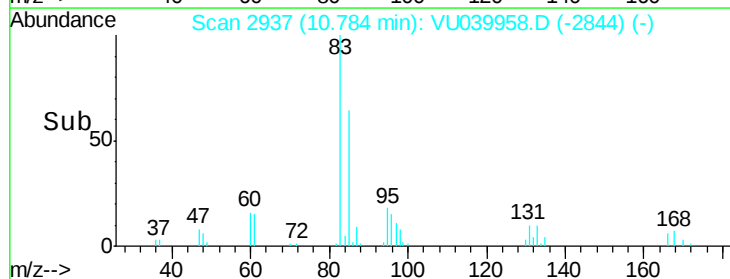
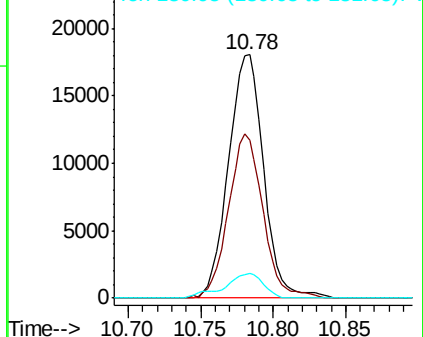
131 10.2 7.4 11.2

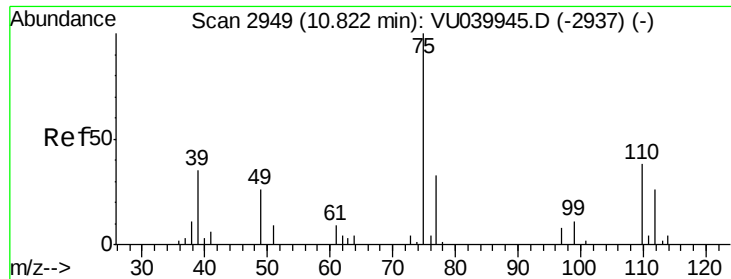


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.719 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

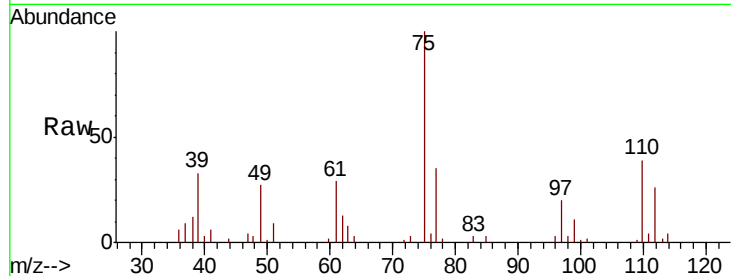
VSTD00509

Tot Ion: 75 Resp: 23145

Ion Ratio Lower Upper

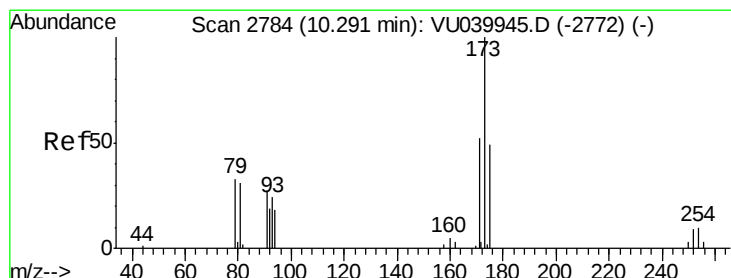
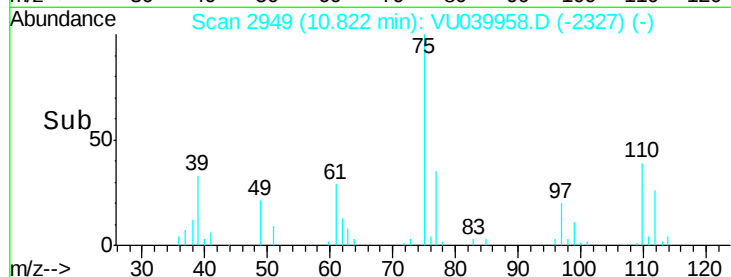
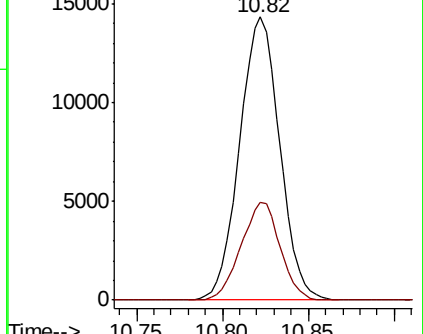
75 100

77 33.6 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039945.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039945.D (-2937) (-)



#61

Bromoform

Concen: 5.371 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

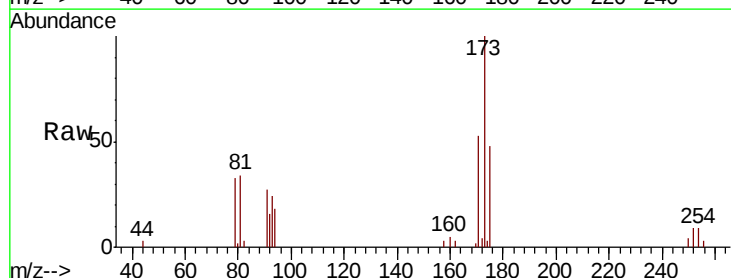
Tgt Ion: 173 Resp: 17673

Ion Ratio Lower Upper

173 100

175 48.2 37.6 56.4

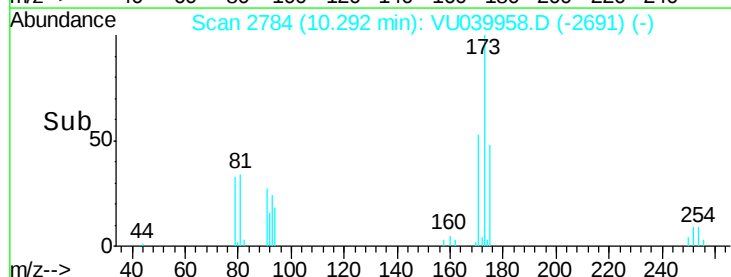
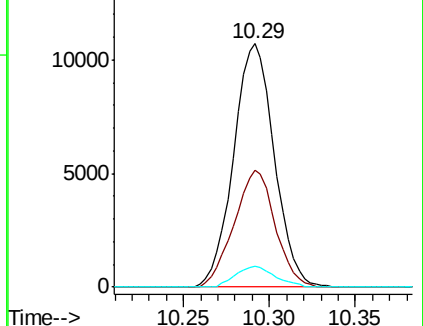
254 8.1 5.8 8.8

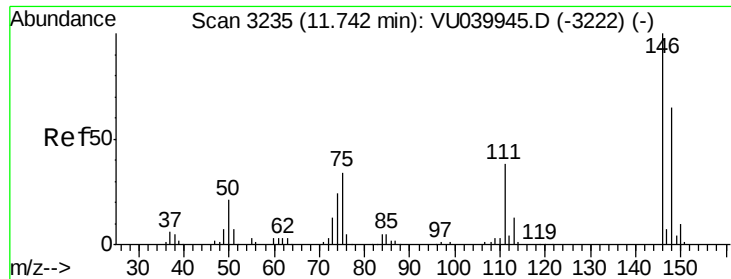


Abundance Ion 172.90 (172.60 to 173.60): VU039945.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039945.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039945.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 5.100 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

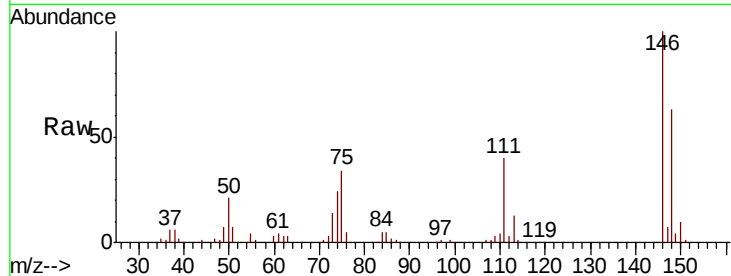
Tot Ion:146 Resp: 70543

Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.4

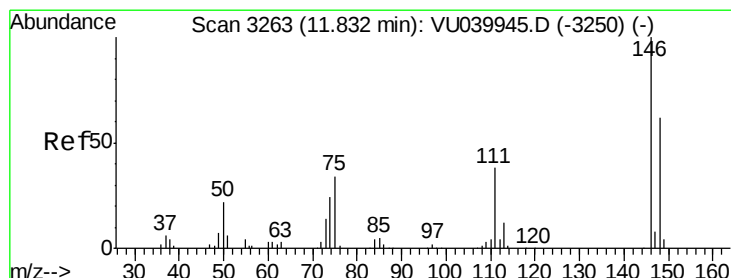
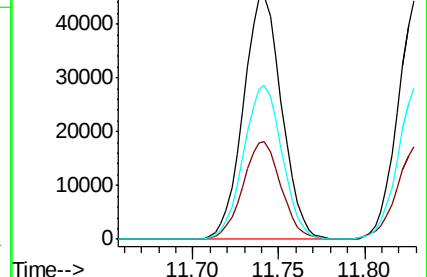
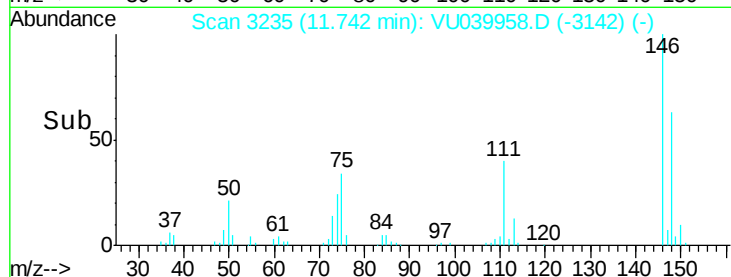
148 63.4 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.054 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

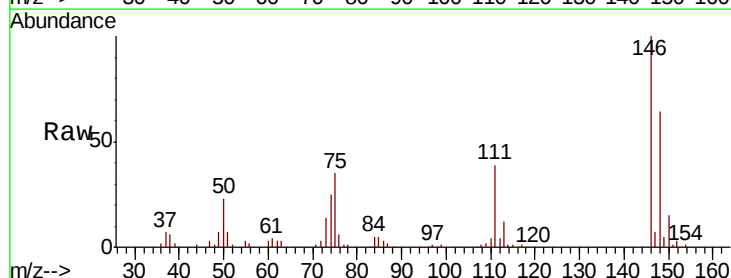
Tgt Ion:146 Resp: 71174

Ion Ratio Lower Upper

146 100

111 38.7 26.5 49.1

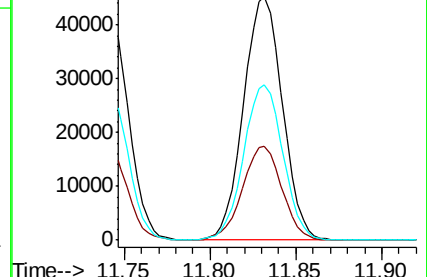
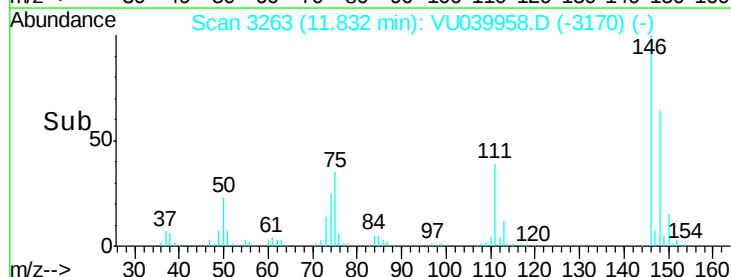
148 63.8 42.8 79.4

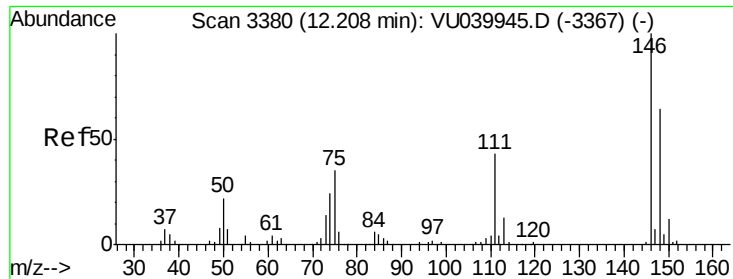


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.004 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampled :

VSTD00509

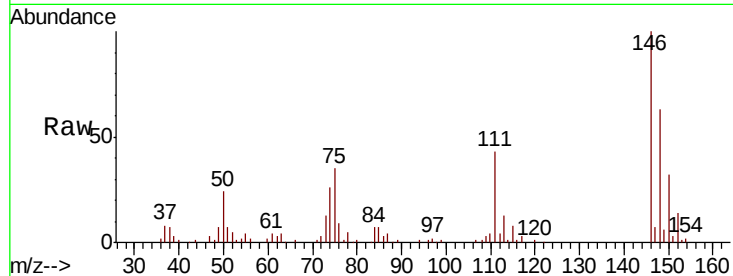
Tot Ion:146 Resp: 66799

Ion Ratio Lower Upper

146 100

111 42.5 33.4 50.0

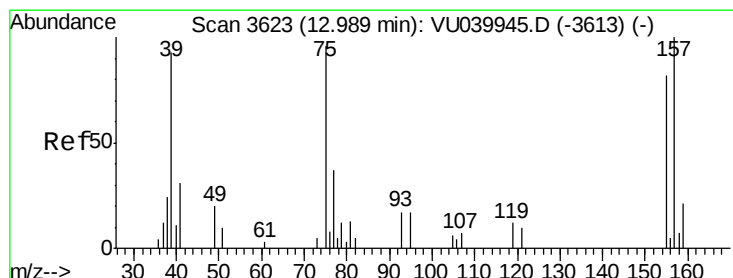
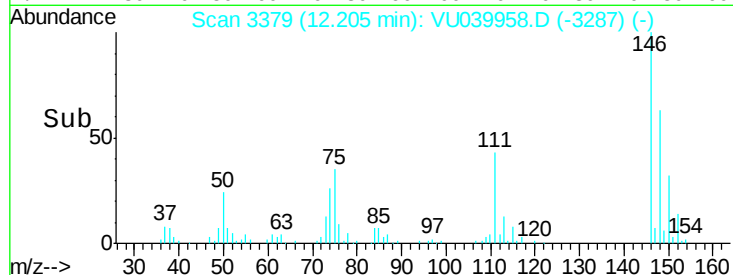
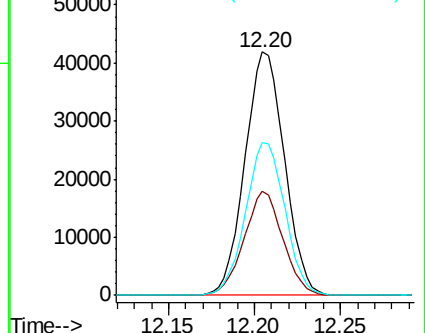
148 62.6 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.315 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

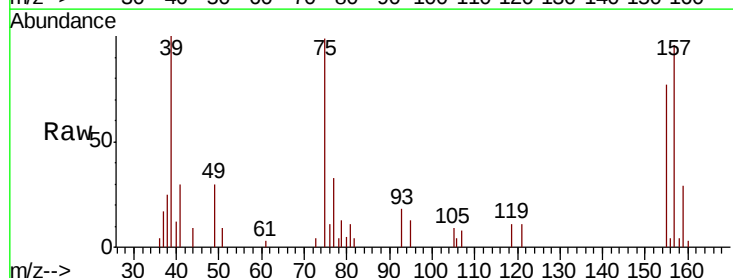
Tgt Ion: 75 Resp: 5802

Ion Ratio Lower Upper

75 100

155 77.6 54.6 82.0

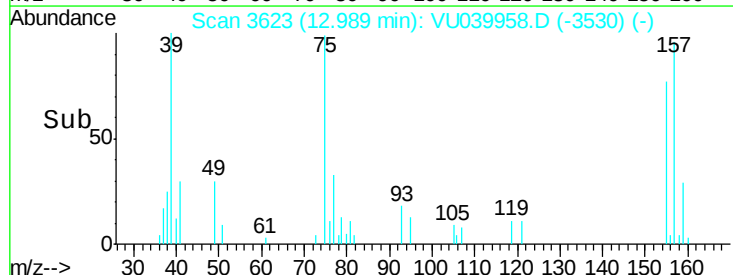
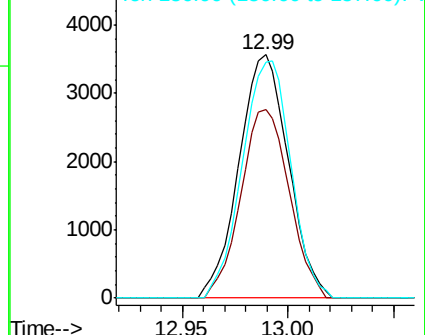
157 96.9 72.2 108.4

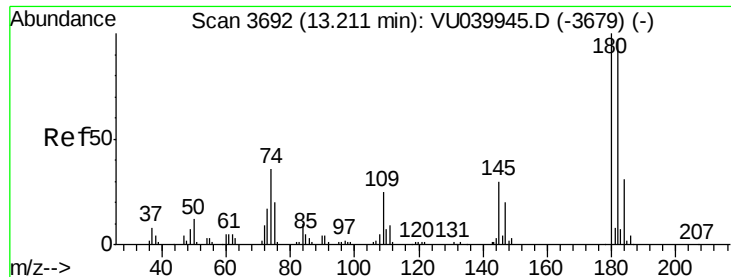


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

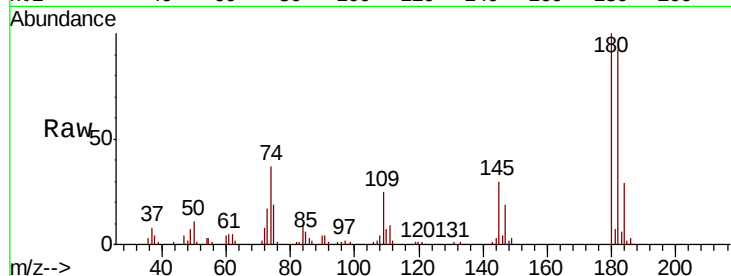




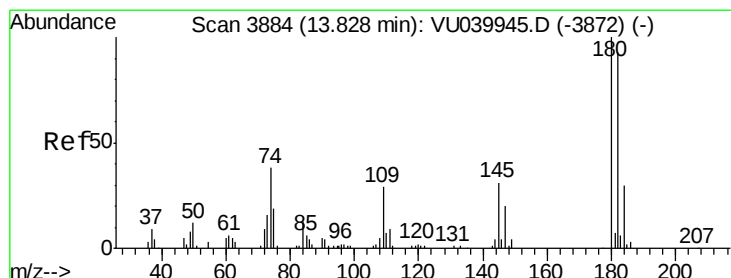
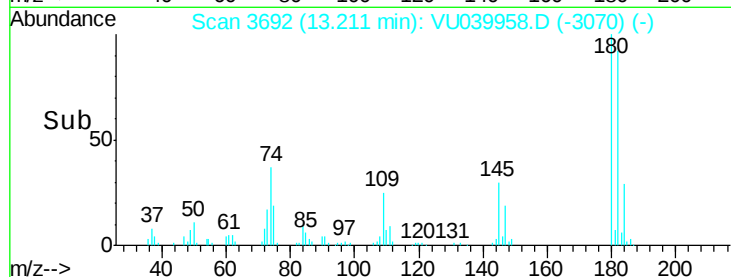
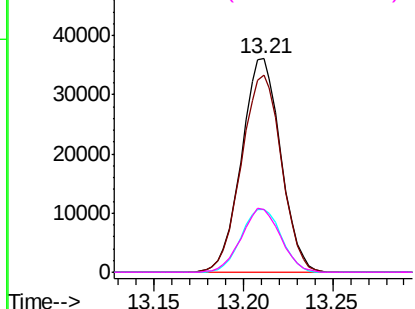
#67
 1,3,5-Trichlorobenzene
 Concen: 5.391 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00509

Tot Ion:180 Resp: 55377
 Ion Ratio Lower Upper
 180 100
 182 94.0 79.2 118.8
 184 30.1 24.6 36.8
 145 30.0 25.7 38.5

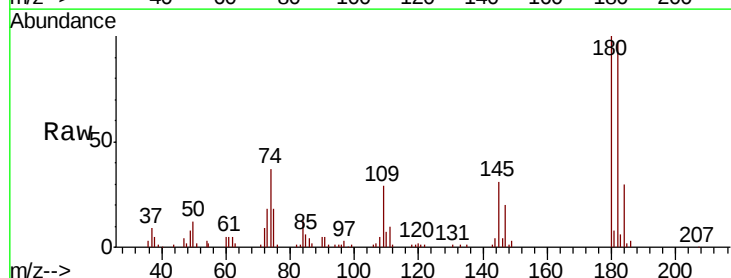


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

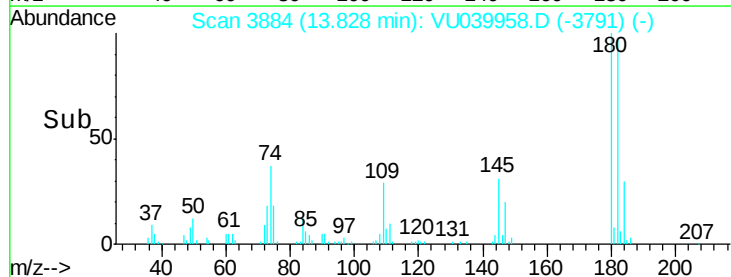
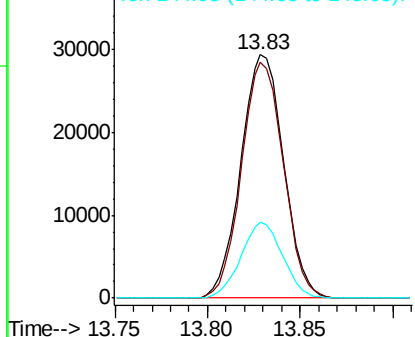


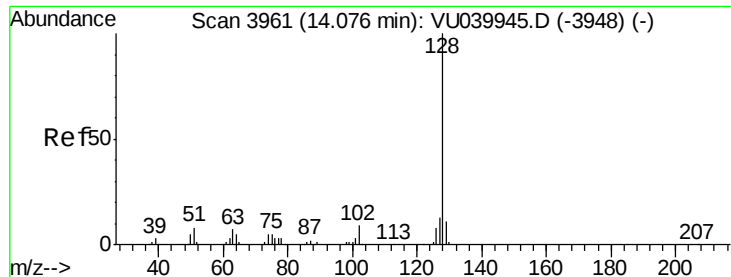
#68
 1,2,4-trichlorobenzene
 Concen: 5.369 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039958.D
 Acq: 25 Aug 2020 10:30

Tgt Ion:180 Resp: 47051
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 145 30.3 24.6 36.8



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





#69

Naphthalene

Concen: 4.766 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

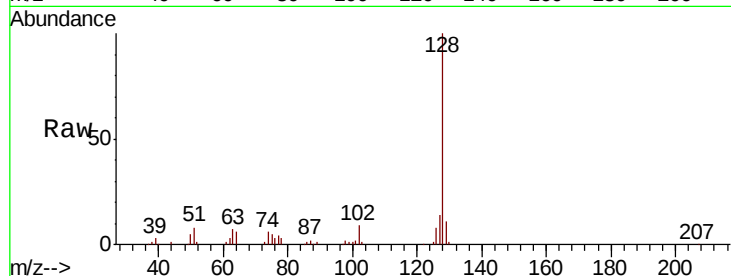
Tot Ion:128 Resp: 77143

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

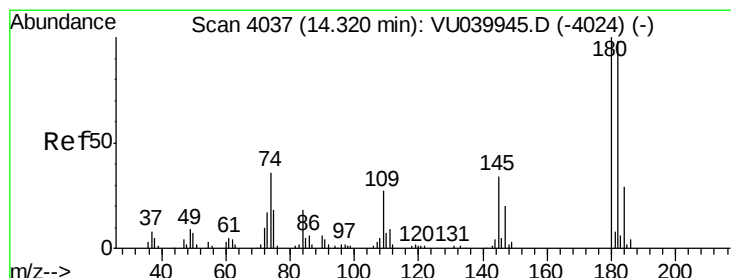
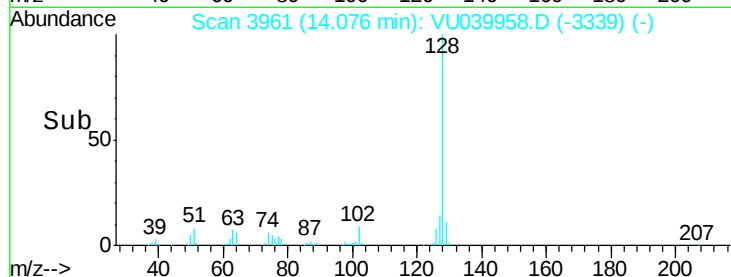
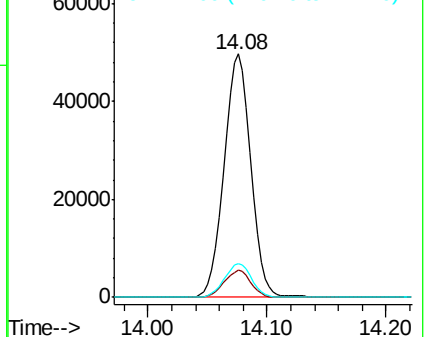
127 14.1 10.2 15.4



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



#70

1,2,3-Trichlorobenzene

Concen: 5.249 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039958.D

Acq: 25 Aug 2020 10:30

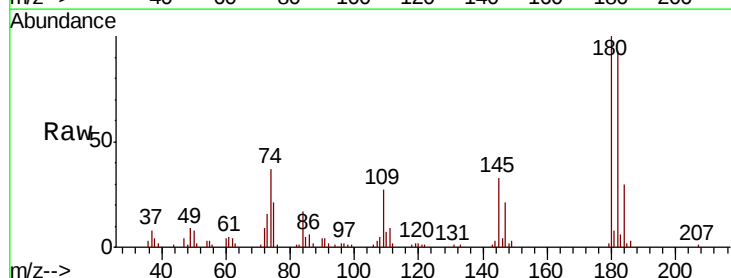
Tgt Ion:180 Resp: 42986

Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.6

145 31.9 26.4 39.6



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

