

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040159.D
 Acq On : 16 Sep 2020 19:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Sep 17 01:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 01:09:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116638	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111753	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31481	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	27948	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	79317	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.66	46	112152	44.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.06%
24) Chloroform-d	5.08	84	67464	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.72	65	41575	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.75	84	126896	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.70	67	40797	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	112682	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.19	79	17735	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.64	63	86816	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37314	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	40531	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	58517	5.055	ug/L 99
3) Chloromethane	1.53	50	52176	4.708	ug/L 98
5) Vinyl chloride	1.61	62	54936	4.890	ug/L 99
6) Bromomethane	1.87	94	26798	4.666	ug/L 98
8) Chloroethane	1.94	64	33375	4.943	ug/L 98
9) Trichlorofluoromethane	2.15	101	84658	5.260	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55235	5.295	ug/L 99
12) 1,1-Dichloroethene	2.59	96	48564	5.380	ug/L 92
13) Acetone	2.67	43	116088	49.232	ug/L 100
14) Carbon disulfide	2.81	76	136187	4.705	ug/L 99
15) Methyl Acetate	2.97	43	27898	4.714	ug/L 98
16) Methylene chloride	3.06	84	57607	4.873	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	130691	4.804	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	49143	5.061	ug/L 94
19) 1,1-Dichloroethane	3.89	63	102887	5.148	ug/L 99
21) 2-Butanone	4.74	43	187014	48.579	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	54853	5.254	ug/L 96

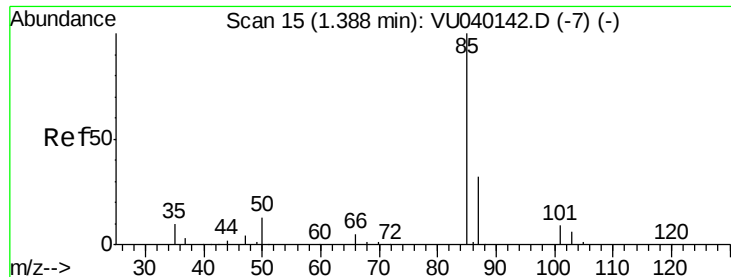
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040159.D
 Acq On : 16 Sep 2020 19:34
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 01:09:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	25153	5.498	ug/L	95
25) Chloroform	5.11	83	112245	5.484	ug/L	98
27) 1,2-Dichloroethane	5.81	62	76150	5.078	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	92144	5.251	ug/L	99
30) Cyclohexane	5.40	56	81336	4.780	ug/L	98
31) Carbon tetrachloride	5.54	117	78049	5.198	ug/L	99
33) Benzene	5.79	78	215244	5.384	ug/L	100
34) Trichloroethene	6.56	95	55981	5.220	ug/L	96
35) Methylcyclohexane	6.77	83	77334	4.709	ug/L	100
37) 1,2-Dichloropropane	6.80	63	57014	5.267	ug/L	99
38) Bromodichloromethane	7.12	83	76700	5.190	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	77157	4.833	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	438015	49.315	ug/L	99
42) Toluene	7.98	91	224121	5.444	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	72499	4.901	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	43306	5.491	ug/L	96
47) Tetrachloroethene	8.56	164	37791	5.365	ug/L	97
48) 2-Hexanone	8.69	43	323628	49.951	ug/L	98
49) Dibromochloromethane	8.82	129	50319	5.316	ug/L	96
50) 1,2-Dibromoethane	8.93	107	40547	5.333	ug/L	92
51) Chlorobenzene	9.45	112	140650	5.502	ug/L	97
52) Ethylbenzene	9.57	91	243355	5.202	ug/L	97
53) m,p-Xylene	9.69	106	91700	5.506	ug/L	97
54) o-Xylene	10.10	106	89079	5.613	ug/L	91
55) Styrene	10.11	104	152987	5.543	ug/L	99
56) Isopropylbenzene	10.48	105	238044	5.499	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	54408	5.381	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	40985	5.110	ug/L	99
61) Bromoform	10.29	173	26019	5.083	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	107650	5.277	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	109986	5.328	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	106111	5.376	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9087	4.304	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	72131	5.029	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	60230	4.875	ug/L	98
69) Naphthalene	14.08	128	106741	4.145	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	55854	4.922	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.055 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

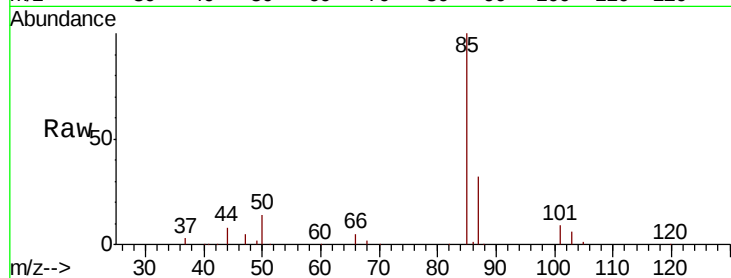
VSTD00509

Tot Ion: 85 Resp: 58517

Ion Ratio Lower Upper

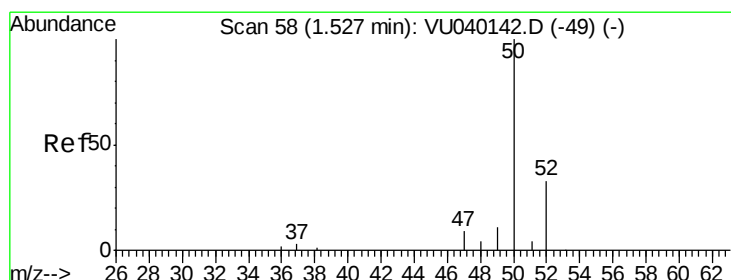
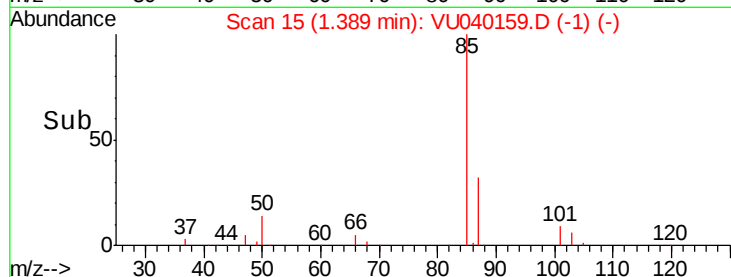
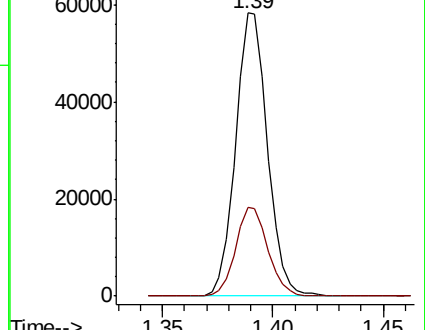
85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040142.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040142.D (-7) (-)



#3

Chloromethane

Concen: 4.708 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040159.D

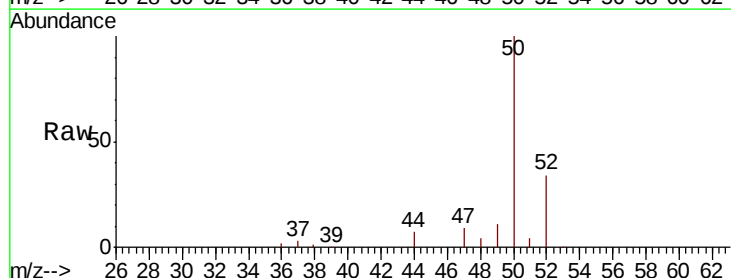
Acq: 16 Sep 2020 19:34

Tgt Ion: 50 Resp: 52176

Ion Ratio Lower Upper

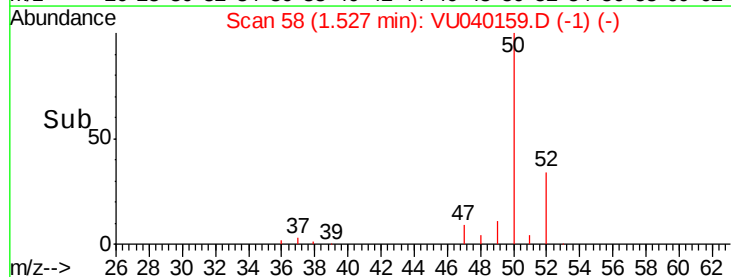
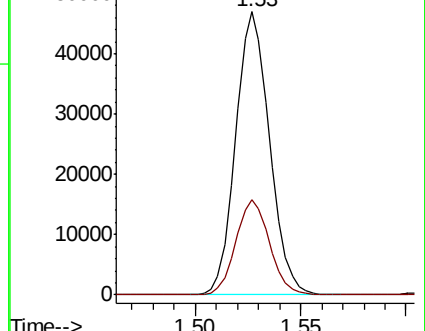
50 100

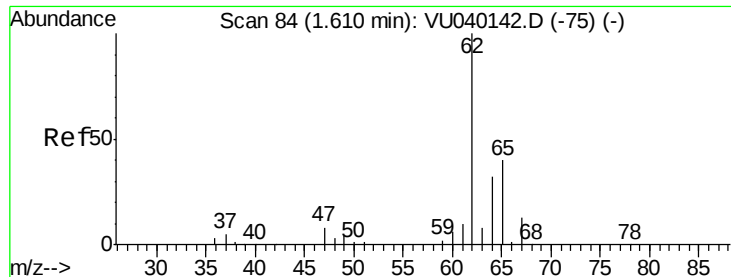
52 33.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040142.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040142.D (-49) (-)





#5

Vinyl chloride

Concen: 4.890 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampled :

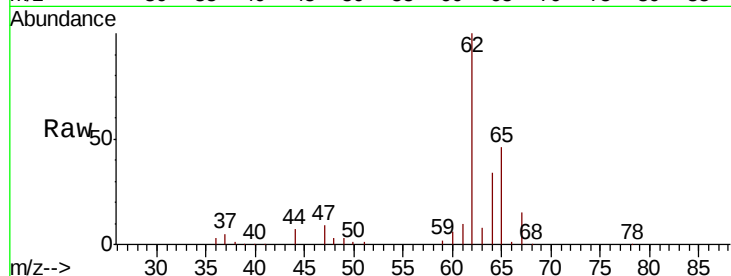
VSTD00509

Tot Ion: 62 Resp: 54936

Ion Ratio Lower Upper

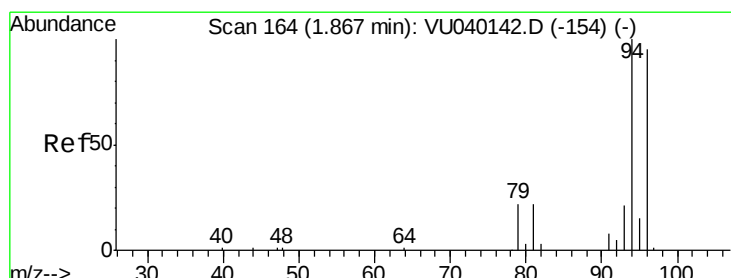
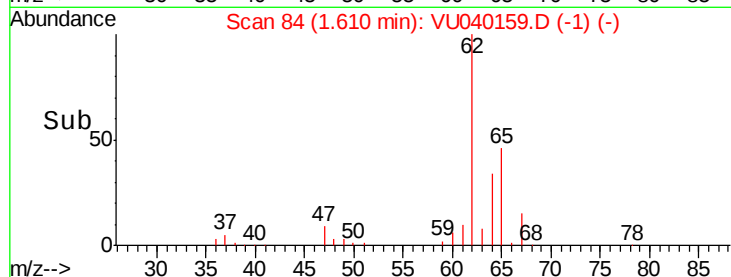
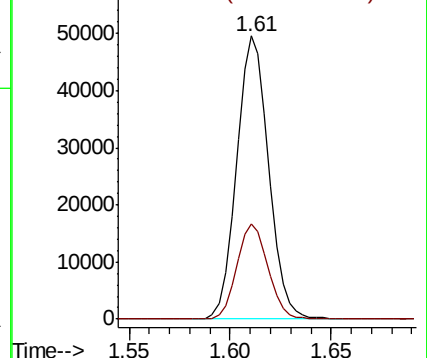
62 100

64 33.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.666 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040159.D

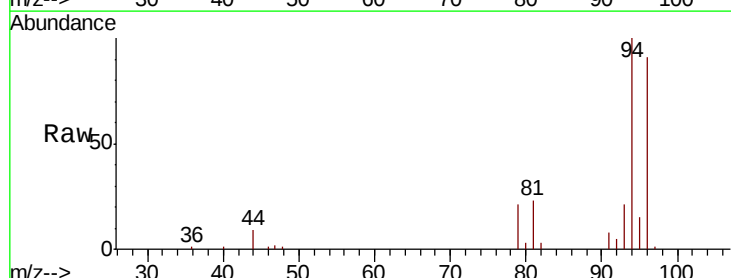
Acq: 16 Sep 2020 19:34

Tgt Ion: 94 Resp: 26798

Ion Ratio Lower Upper

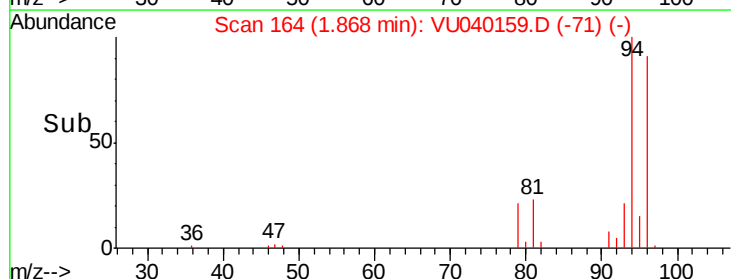
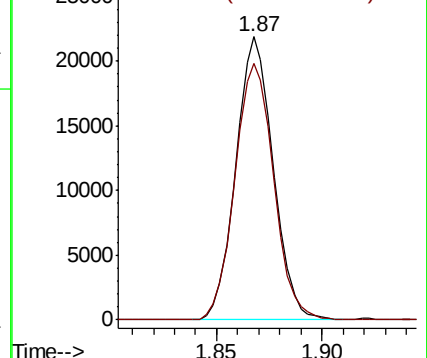
94 100

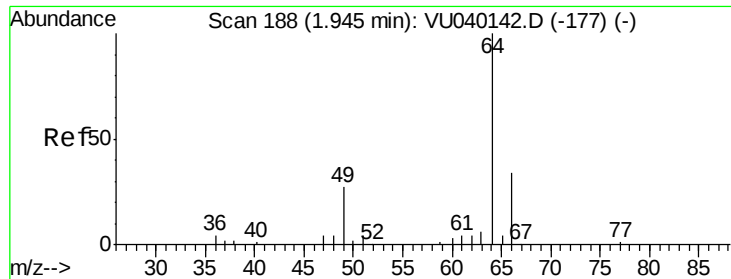
96 90.7 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.943 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

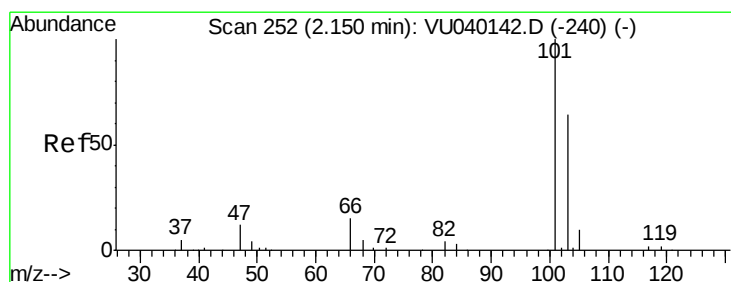
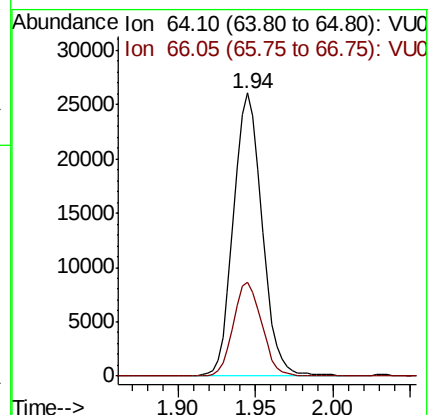
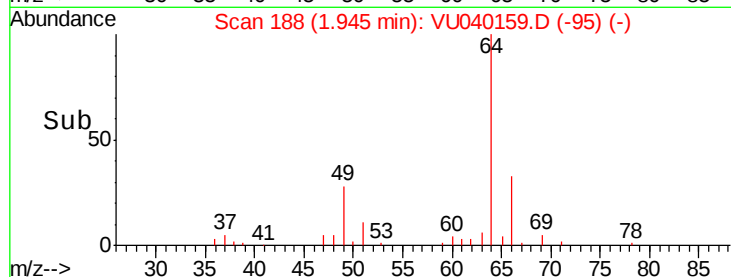
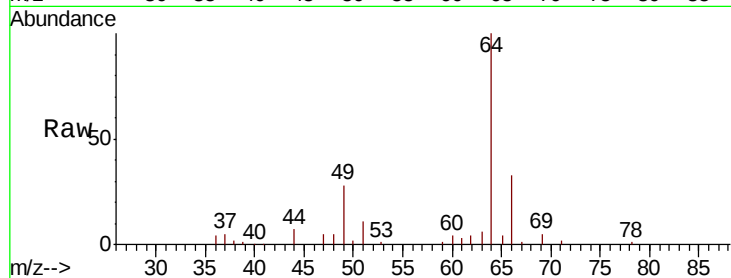
VSTD00509

Tot Ion: 64 Resp: 33375

Ion Ratio Lower Upper

64 100

66 33.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.260 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040159.D

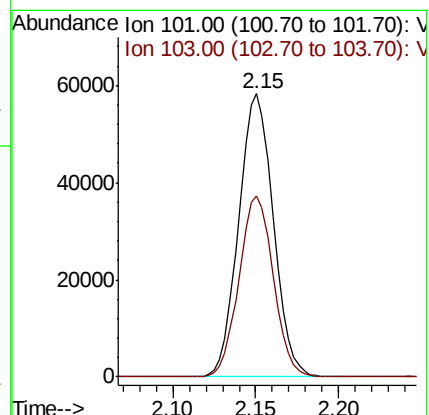
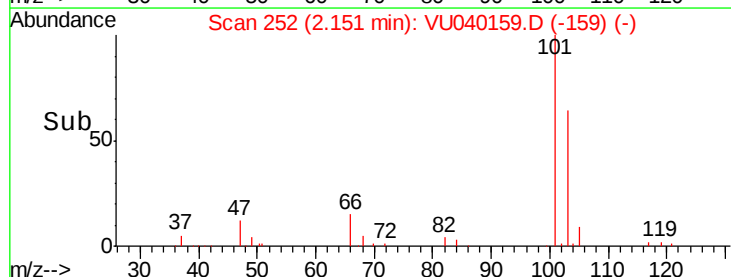
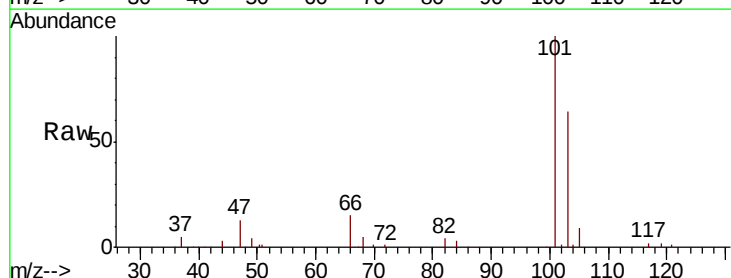
Acq: 16 Sep 2020 19:34

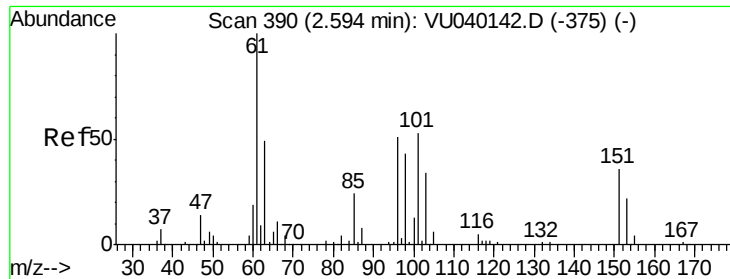
Tgt Ion:101 Resp: 84658

Ion Ratio Lower Upper

101 100

103 63.1 51.3 76.9





#10

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

Concen: 5.295 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

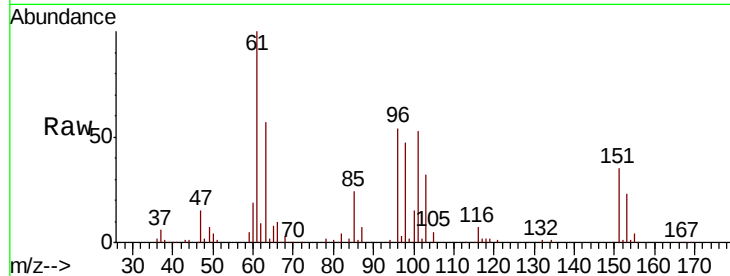
Tot Ion:101 Resp: 55235

Ion Ratio Lower Upper

101 100

85 45.5 37.7 56.5

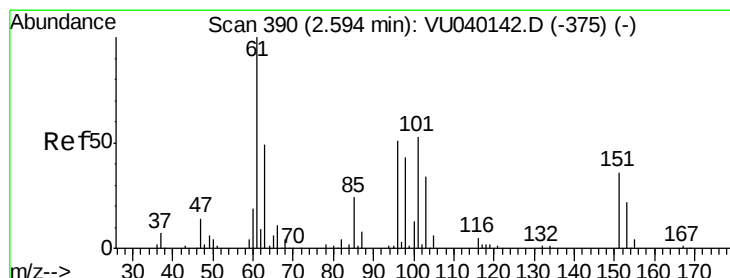
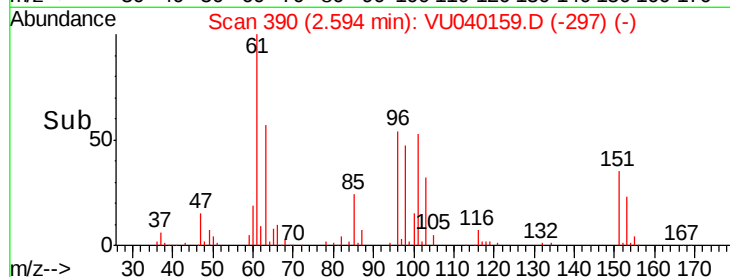
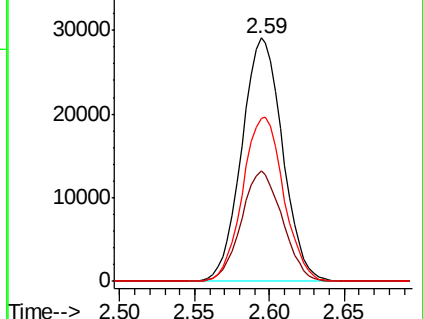
151 67.4 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.380 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

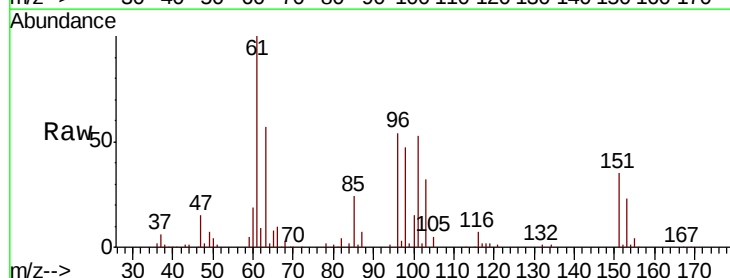
Tgt Ion: 96 Resp: 48564

Ion Ratio Lower Upper

96 100

61 183.8 138.3 256.8

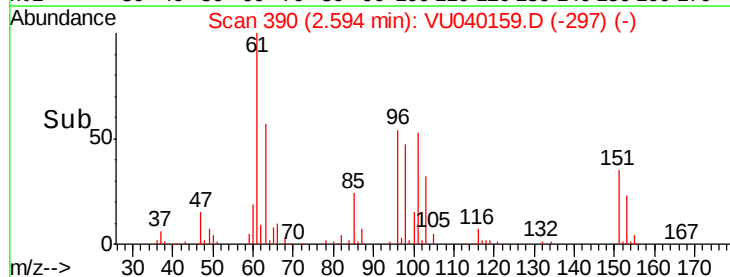
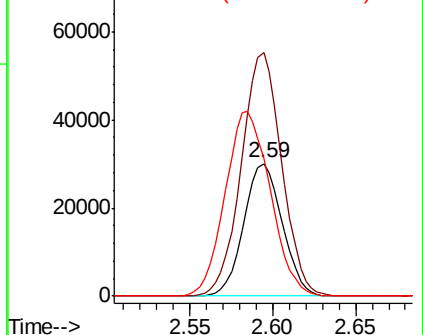
63 104.1 77.6 144.2

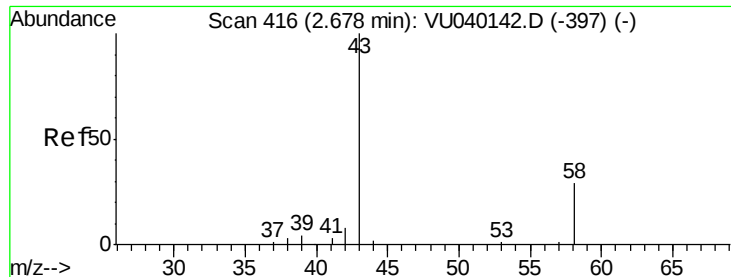


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.232 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

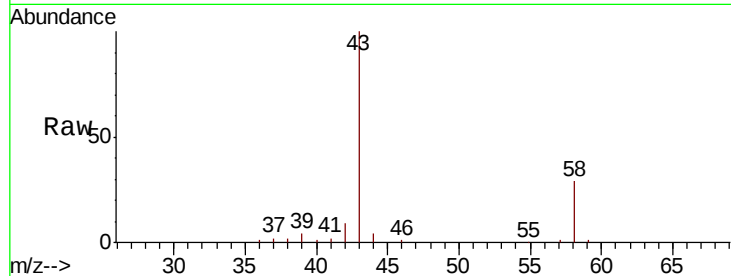
VSTD00509

Tot Ion: 43 Resp: 116088

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.4

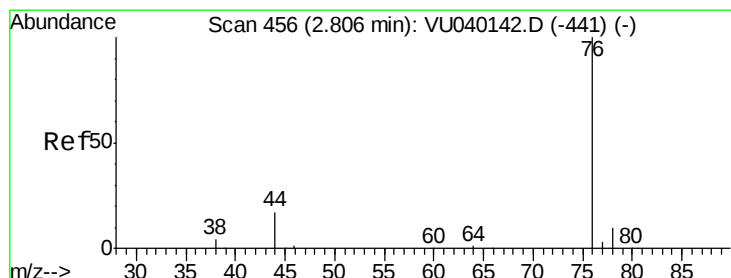
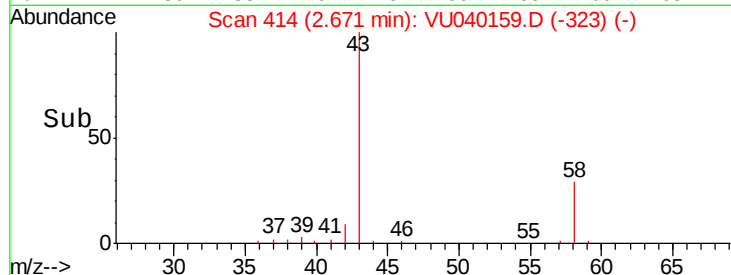


Abundance Ion 43.05 (42.75 to 43.75): VU040142.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040142.D (-397) (-)

2.67

Time--> 2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.705 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040159.D

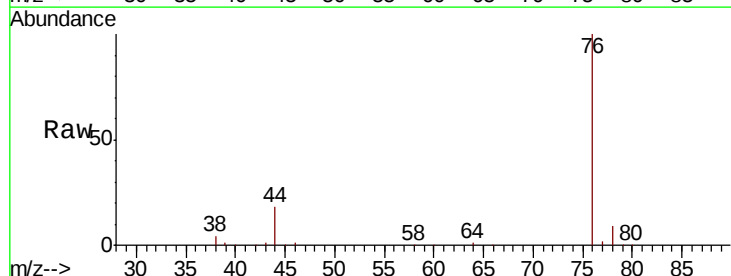
Acq: 16 Sep 2020 19:34

Tgt Ion: 76 Resp: 136187

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

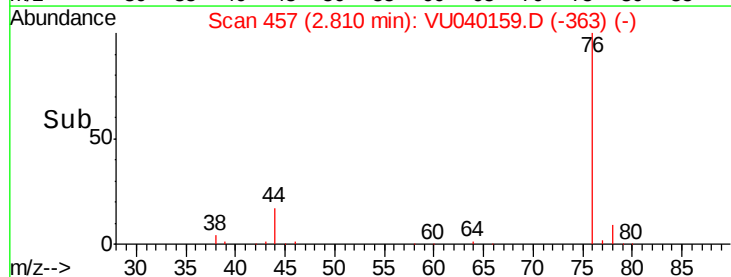


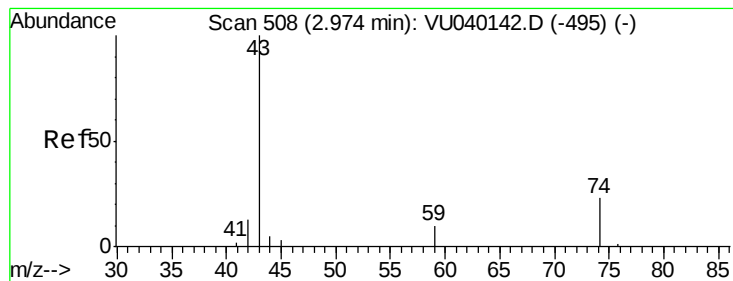
Abundance Ion 76.05 (75.75 to 76.75): VU040142.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040142.D (-441) (-)

2.81

Time--> 2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 4.714 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

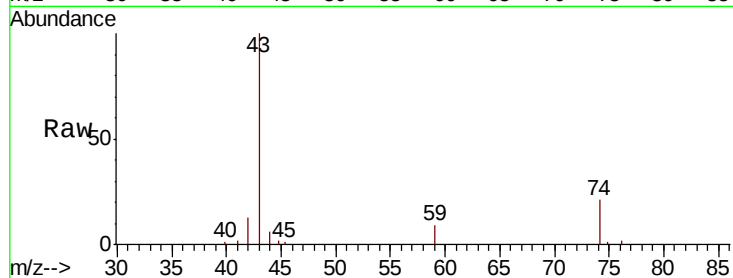
VSTD00509

Tot Ion: 43 Resp: 27898

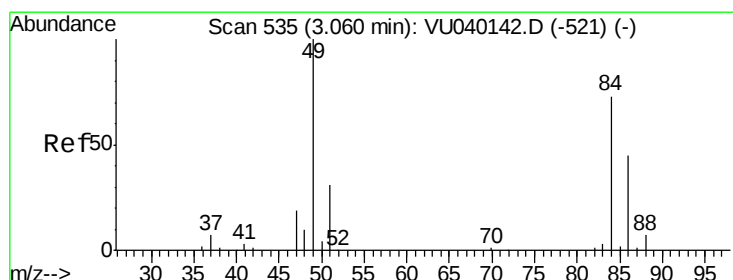
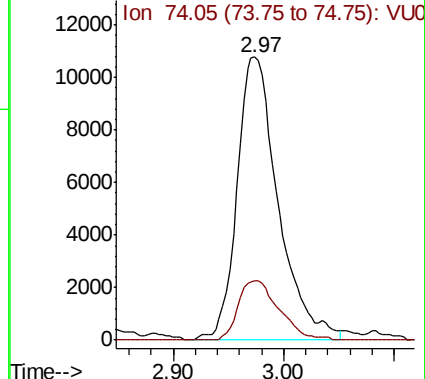
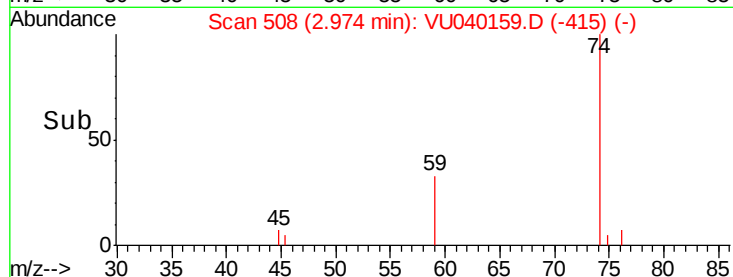
Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU040159.D (-415) (-)



#16

Methylene chloride

Concen: 4.873 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

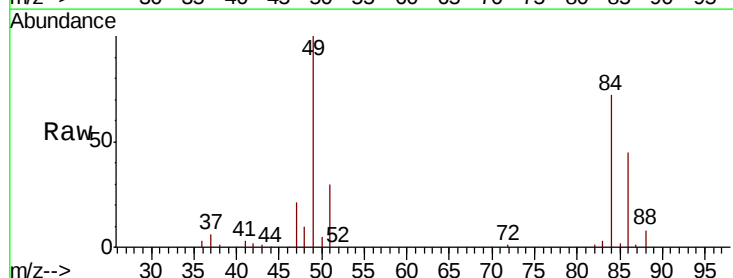
Tgt Ion: 84 Resp: 57607

Ion Ratio Lower Upper

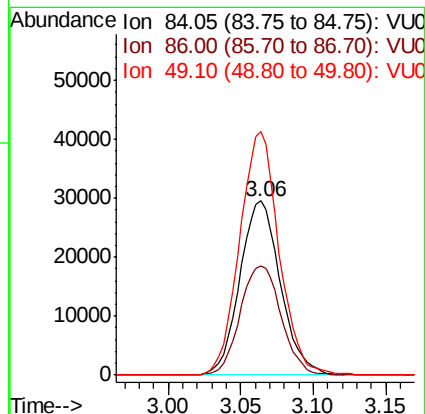
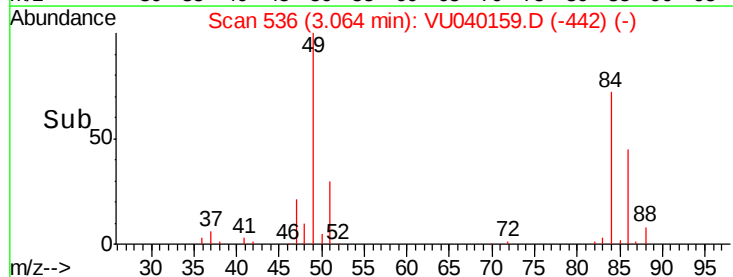
84 100

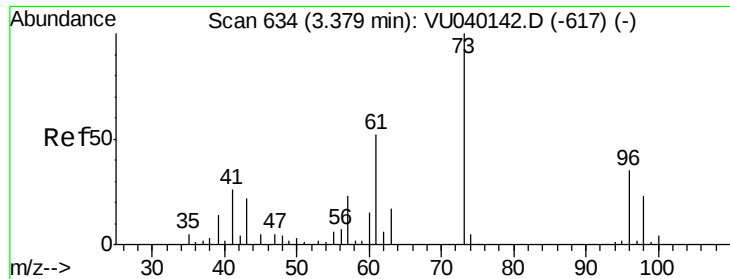
86 62.7 45.2 84.0

49 139.7 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU040159.D (-442) (-)

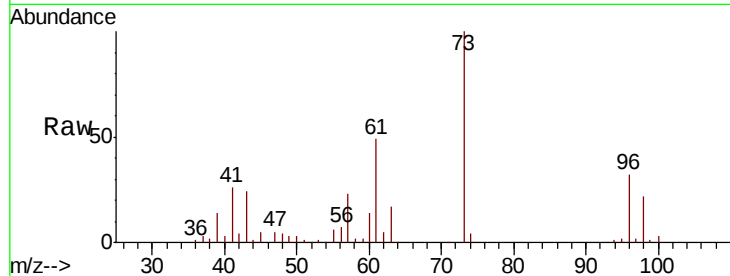




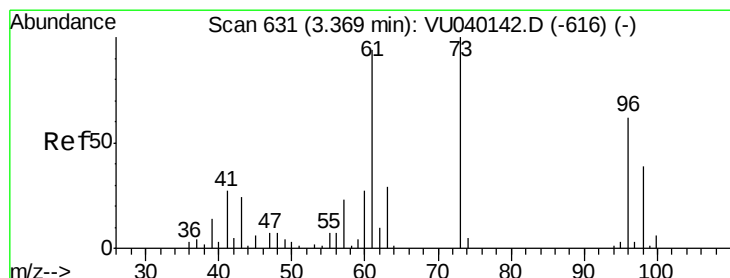
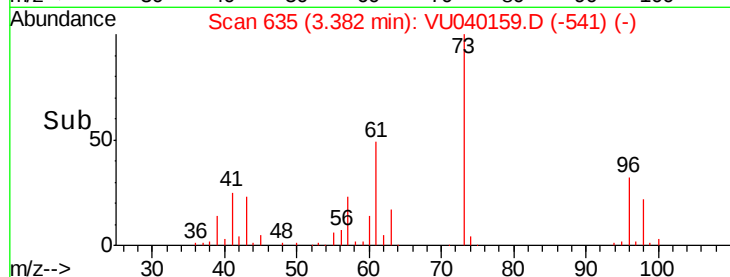
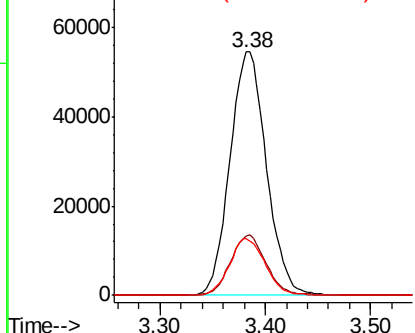
#17
Methvl tert-butvl Ether
Concen: 4.804 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion: 73 Resp: 130691
Ion Ratio Lower Upper
73 100
43 24.2 19.1 28.7
57 22.9 18.3 27.5

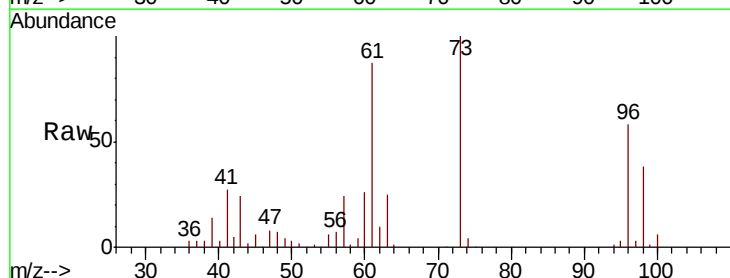


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

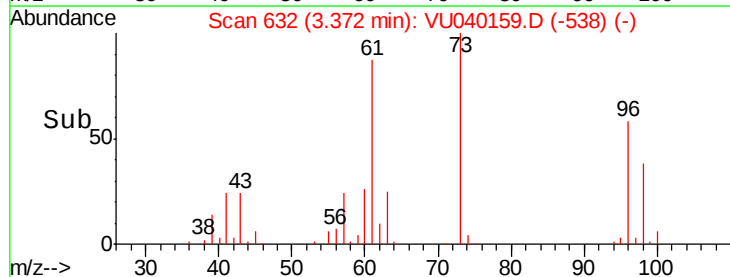
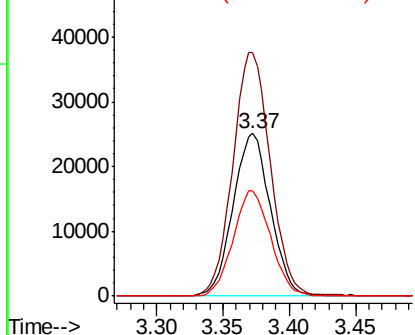


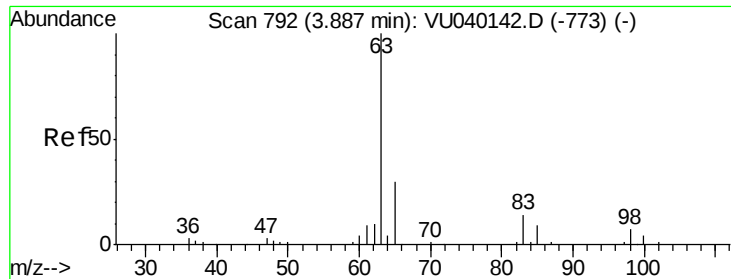
#18
trans-1,2-Dichloroethene
Concen: 5.061 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Tgt Ion: 96 Resp: 49143
Ion Ratio Lower Upper
96 100
61 149.6 110.5 205.3
98 64.7 43.2 80.2



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

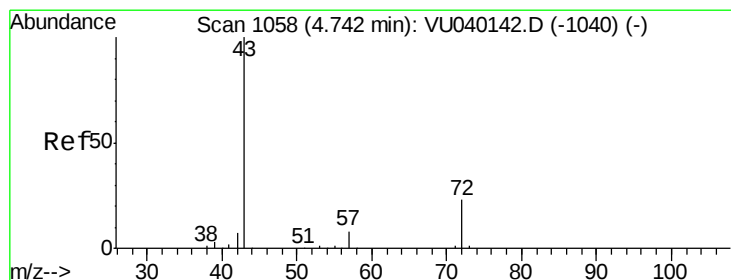
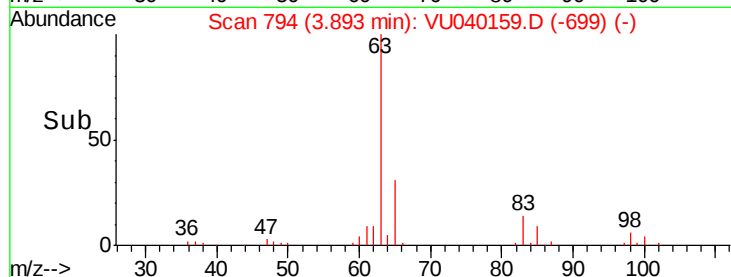
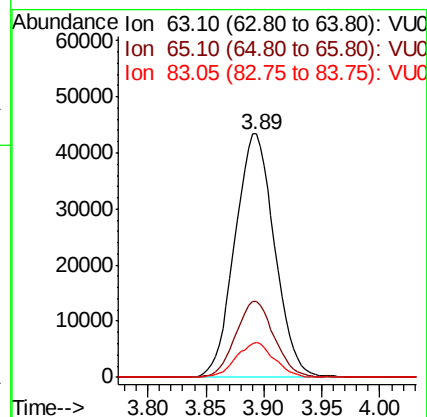
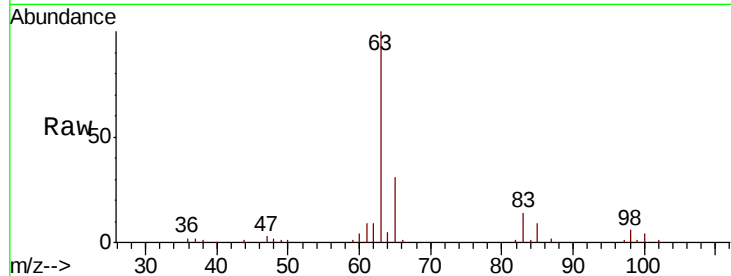




#19
 1,1-Dichloroethane
 Concen: 5.148 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

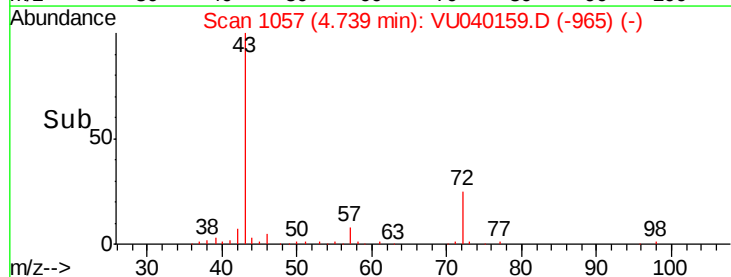
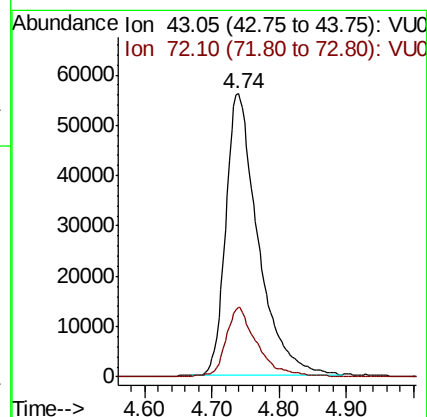
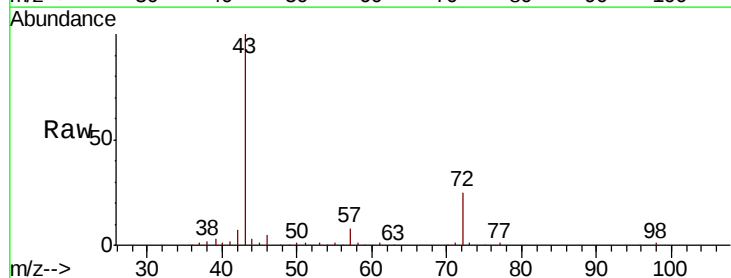
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

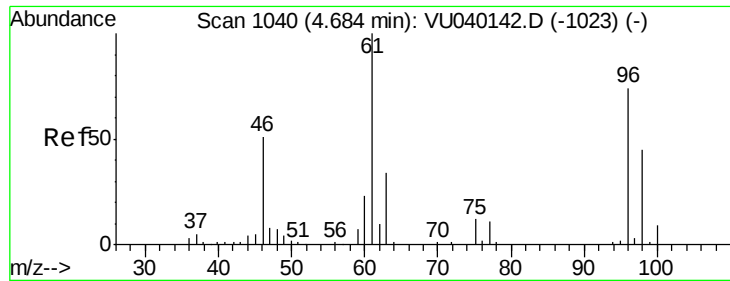
Tot Ion: 63 Resp: 102887
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.2 41.2
 83 14.4 9.4 17.6



#21
 2-Butanone
 Concen: 48.579 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 43 Resp: 187014
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.7 35.0

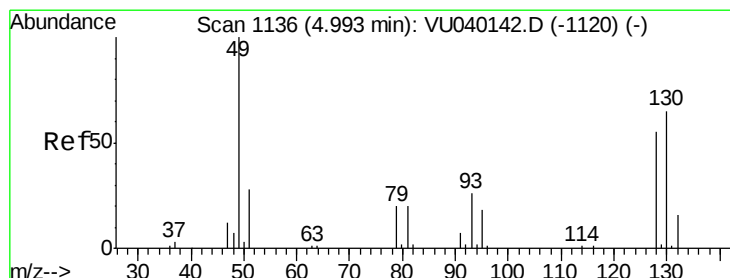
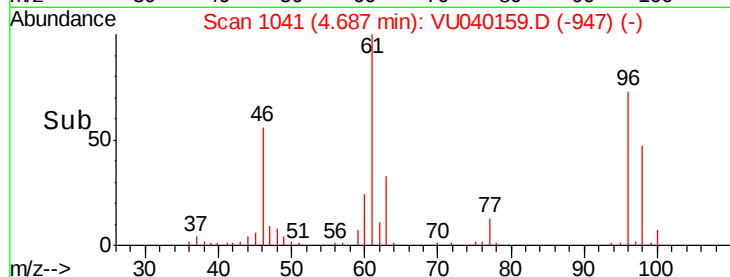
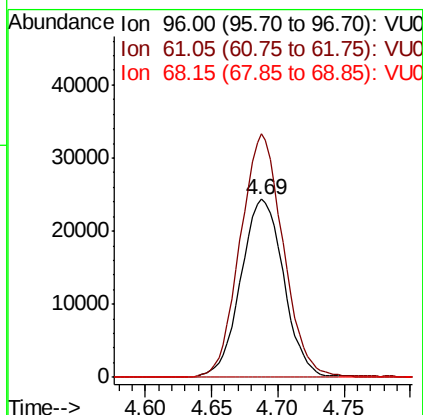
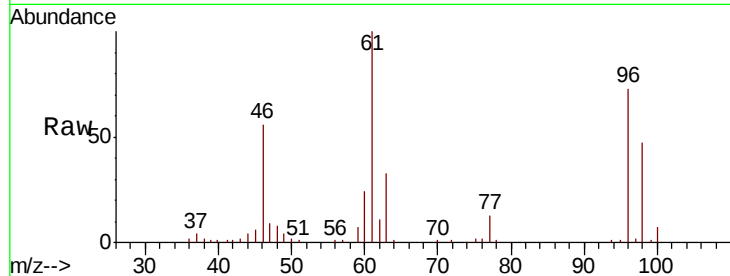




#22
 cis-1,2-Dichloroethene
 Concen: 5.254 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

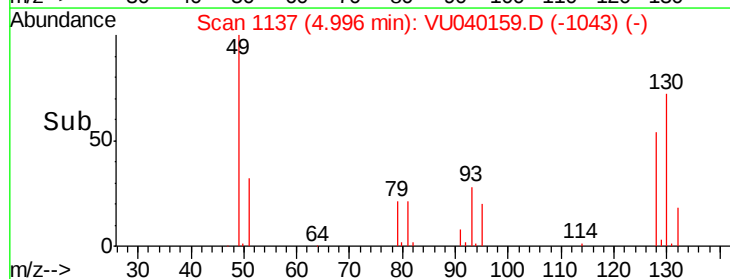
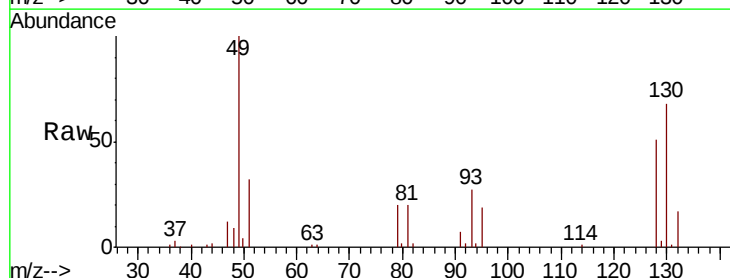
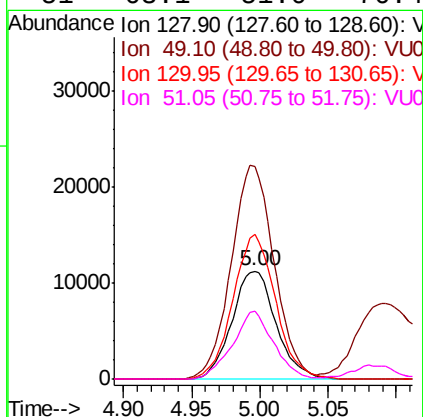
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

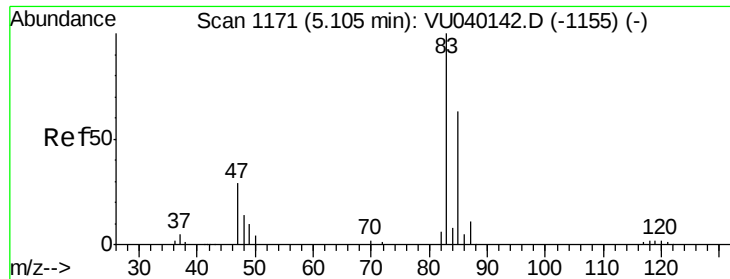
Tot Ion: 96 Resp: 54853
 Ion Ratio Lower Upper
 96 100
 61 136.8 98.8 183.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.498 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 128 Resp: 25153
 Ion Ratio Lower Upper
 128 100
 49 196.9 143.4 266.4
 130 134.2 89.5 166.3
 51 63.1 51.0 76.4

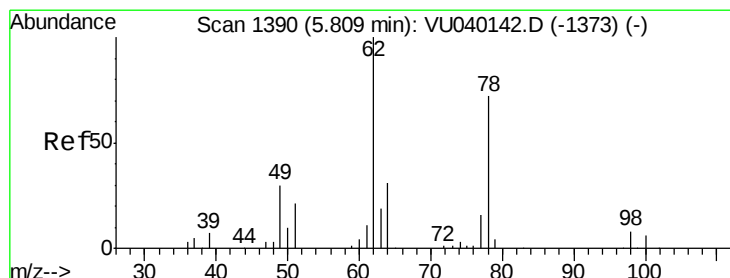
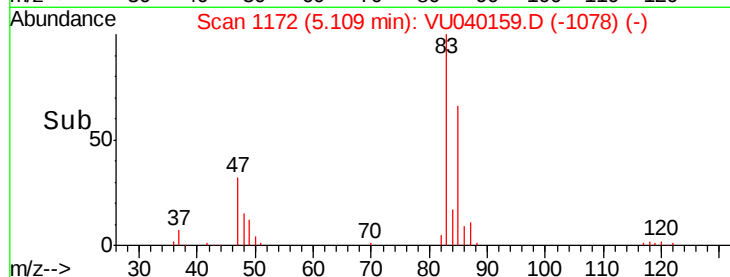
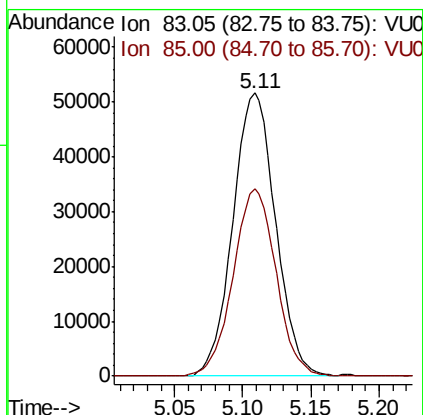
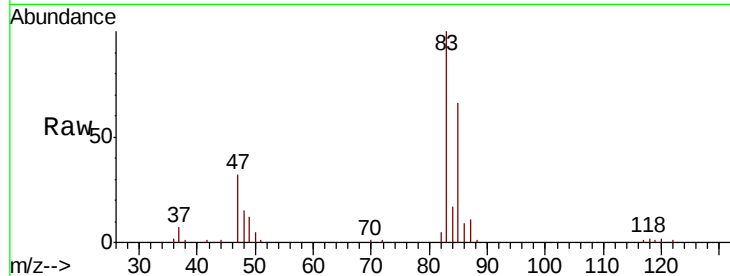




#25
Chloroform
Concen: 5.484 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

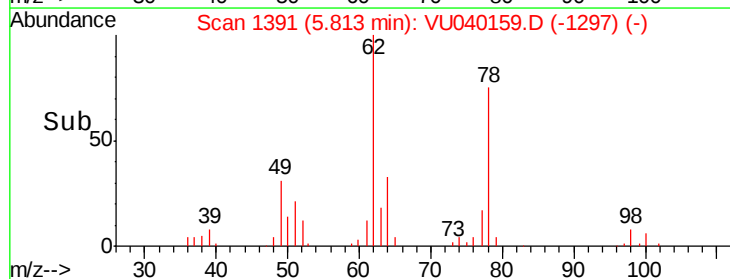
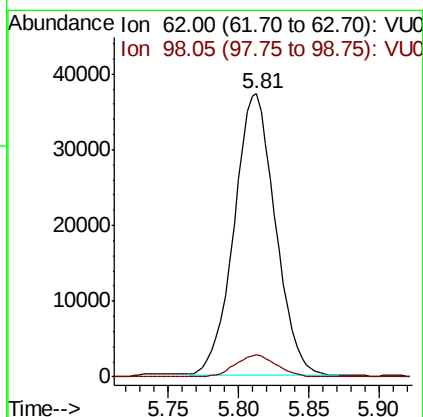
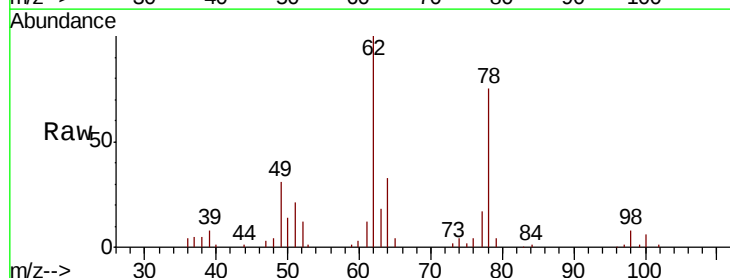
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

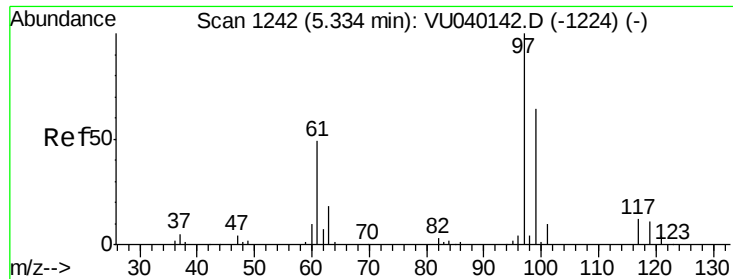
Tot Ion: 83 Resp: 112245
Ion Ratio Lower Upper
83 100
85 66.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.078 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Tgt Ion: 62 Resp: 76150
Ion Ratio Lower Upper
62 100
98 7.7 6.1 9.1

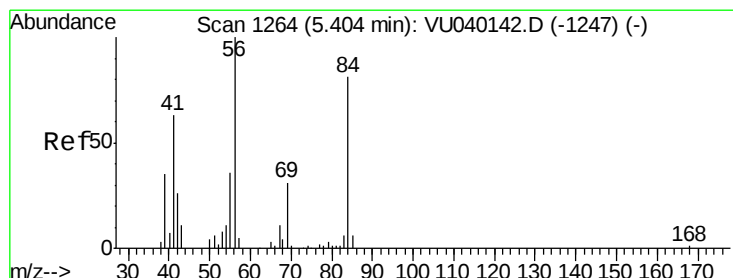
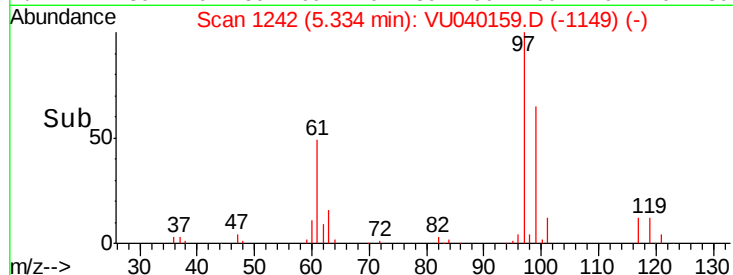
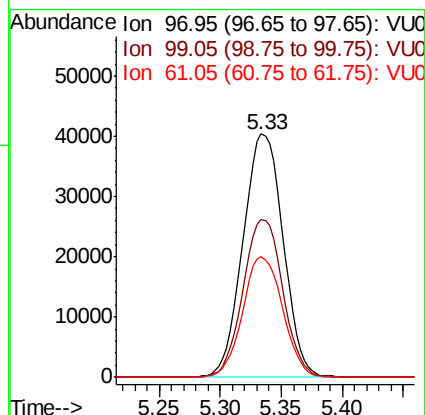
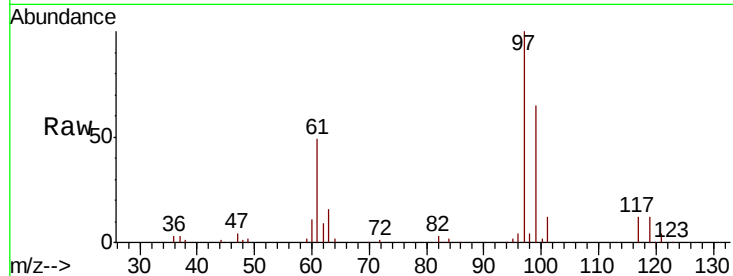




#29
 1,1,1-Trichloroethane
 Concen: 5.251 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

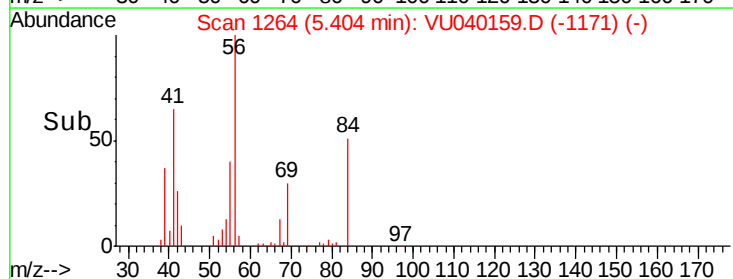
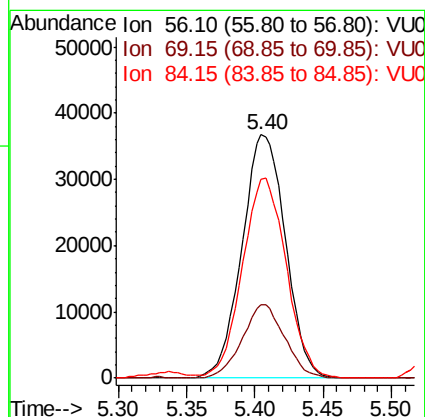
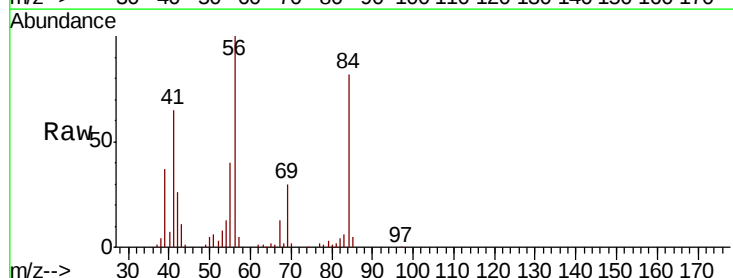
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

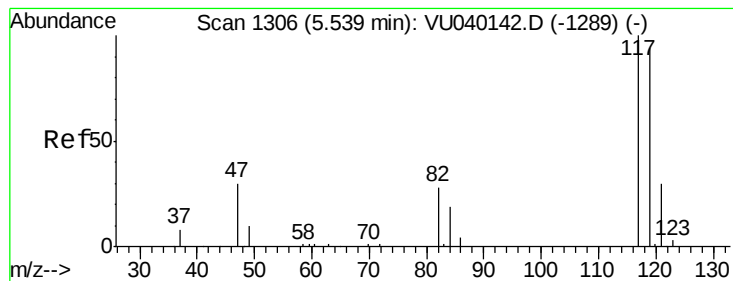
Tot Ion: 97 Resp: 92144
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.9 76.3
 61 49.3 39.5 59.3



#30
 Cyclohexane
 Concen: 4.780 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 56 Resp: 81336
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.1 36.1
 84 83.0 65.0 97.4





#31

Carbon tetrachloride

Concen: 5.198 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

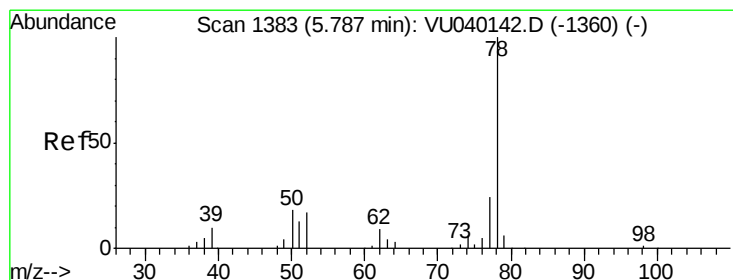
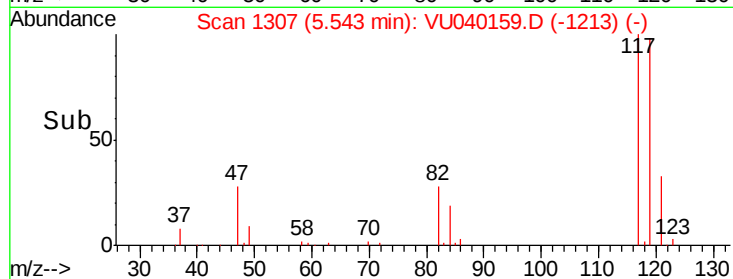
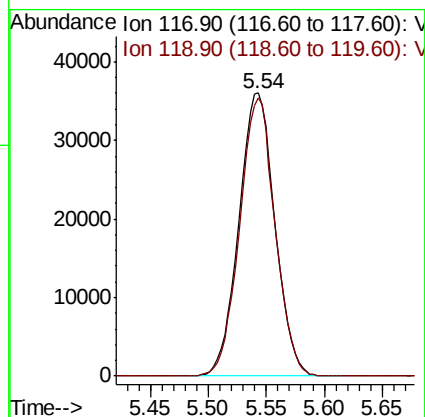
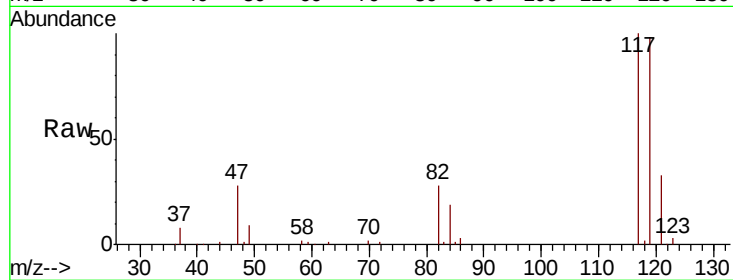
VSTD00509

Tot Ion:117 Resp: 78049

Ion Ratio Lower Upper

117 100

119 96.2 77.7 116.5



#33

Benzene

Concen: 5.384 ug/L

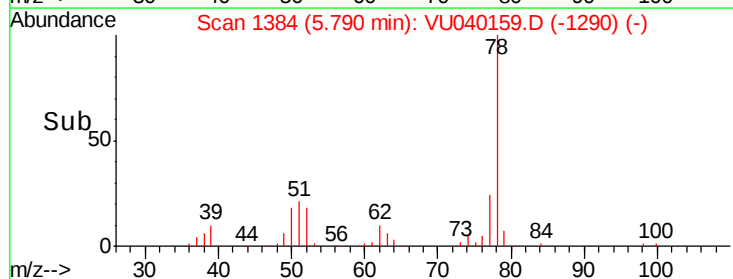
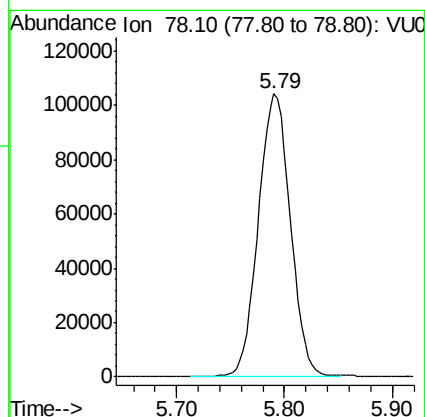
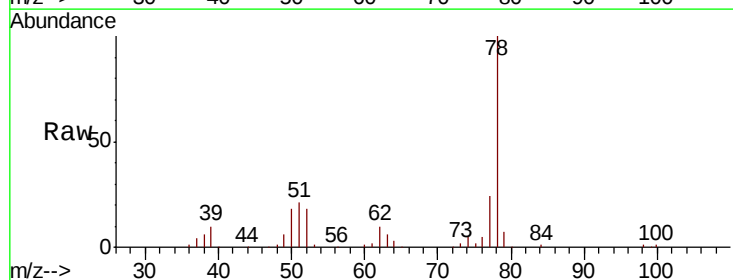
RT: 5.79 min Scan# 1384

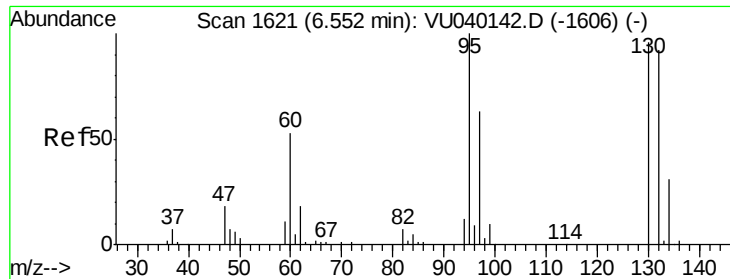
Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Tgt Ion: 78 Resp: 215244





#34

Trichloroethene

Concen: 5.220 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tot Ion: 95 Resp: 55981

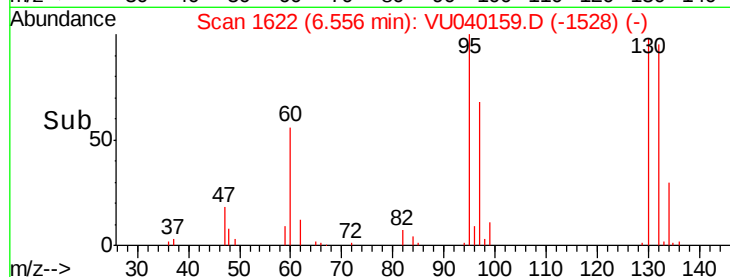
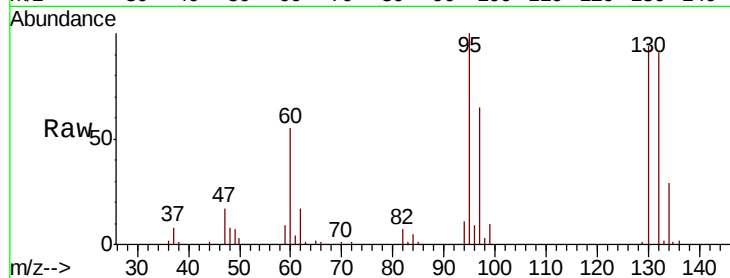
Ion Ratio Lower Upper

95 100

97 65.3 43.3 80.5

132 91.1 59.4 110.4

130 94.0 64.8 120.4

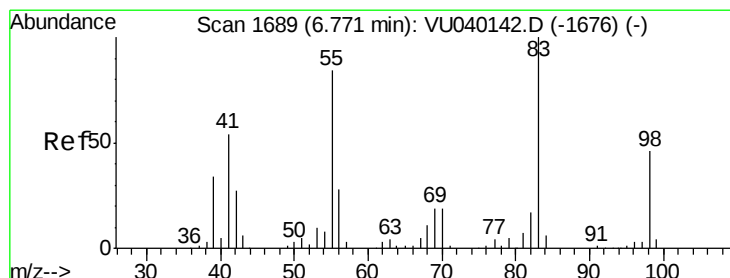
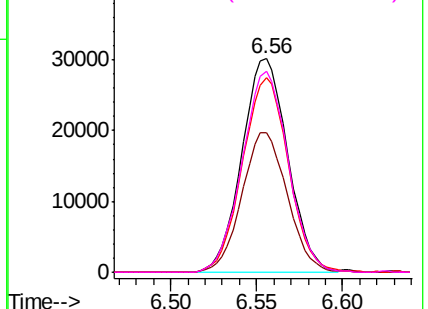


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.709 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

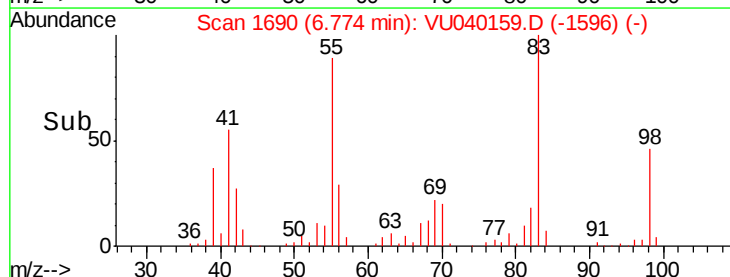
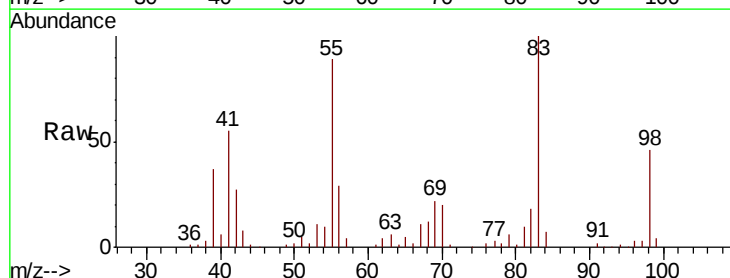
Tgt Ion: 83 Resp: 77334

Ion Ratio Lower Upper

83 100

55 87.8 70.5 105.7

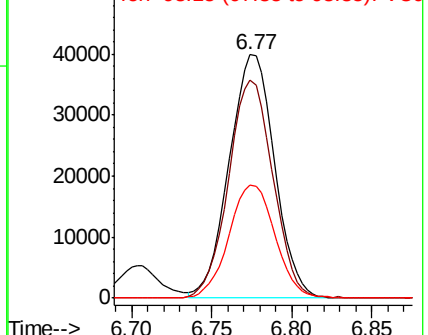
98 47.4 37.8 56.6

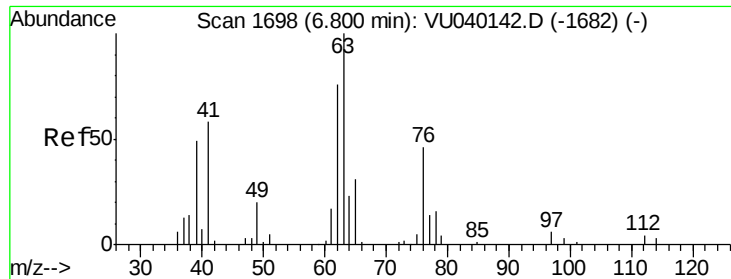


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

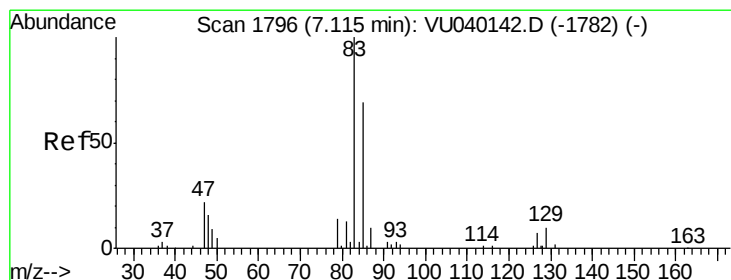
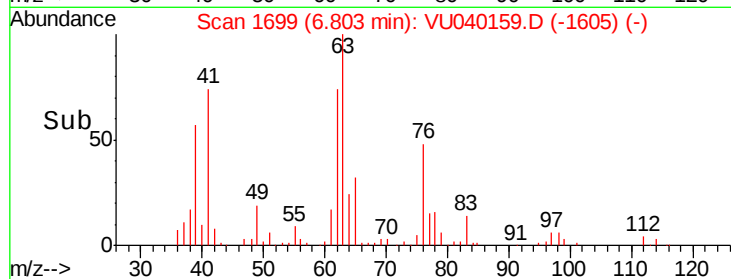
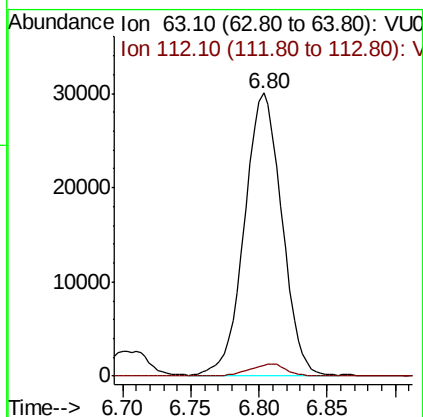
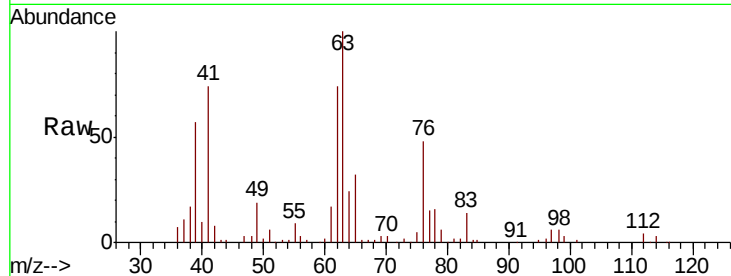




#37
 1,2-Dichloropropane
 Concen: 5.267 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

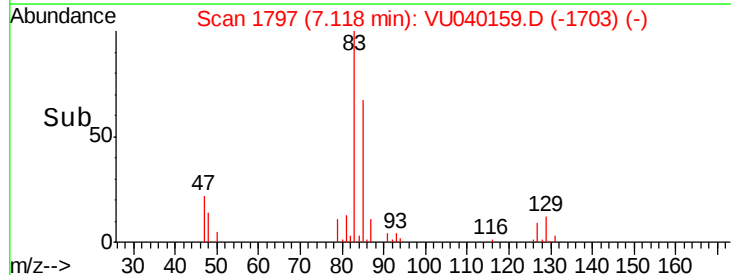
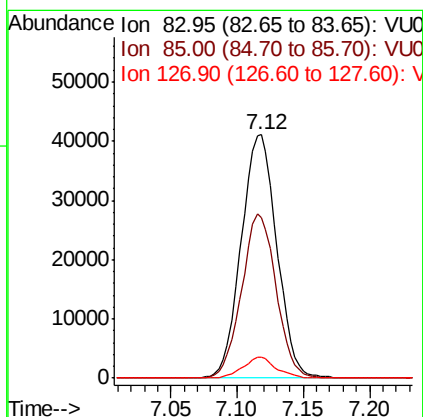
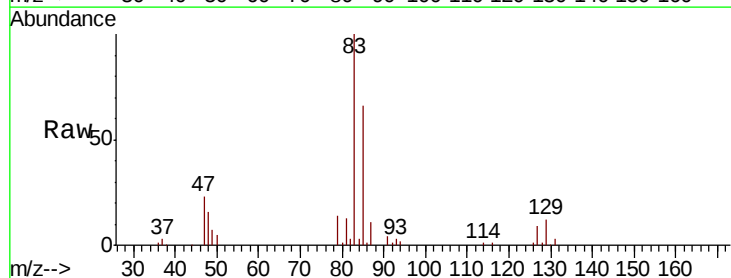
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

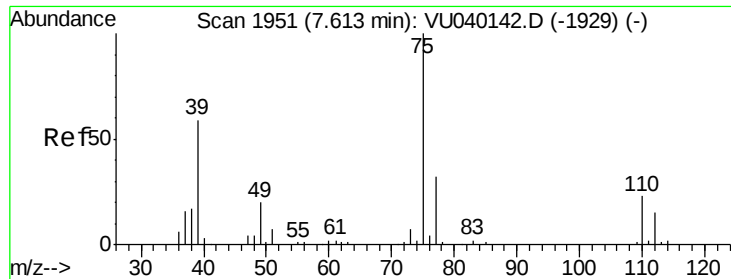
Tot Ion: 63 Resp: 57014
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.190 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 83 Resp: 76700
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.1 83.9
 127 8.7 6.7 10.1

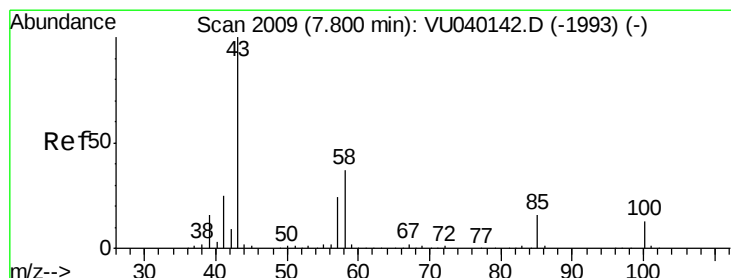
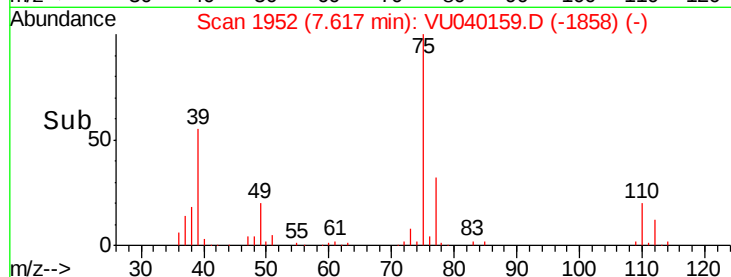
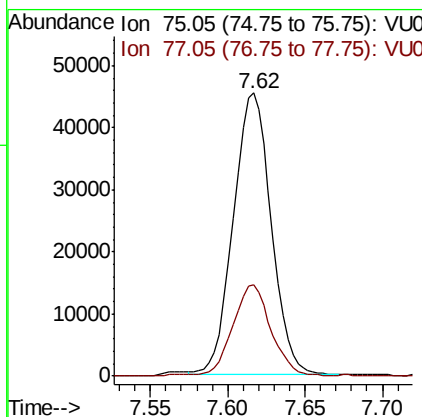
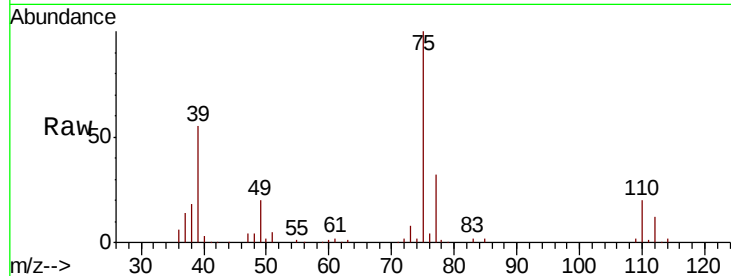




#39
 cis-1,3-Dichloropropene
 Concen: 4.833 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

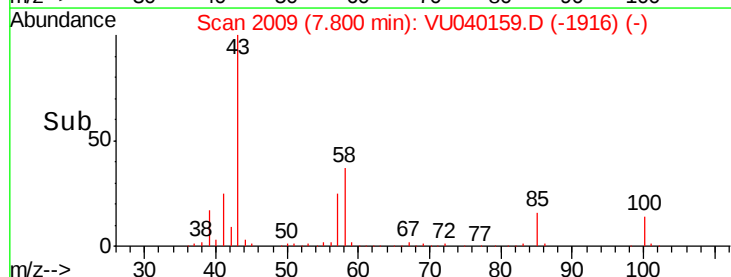
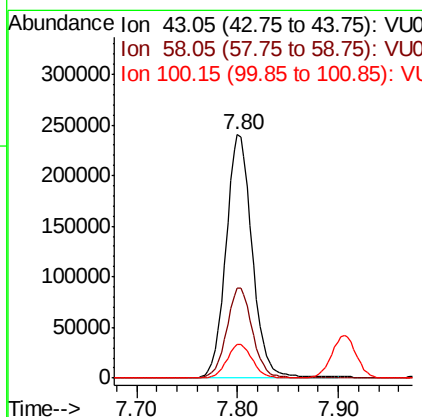
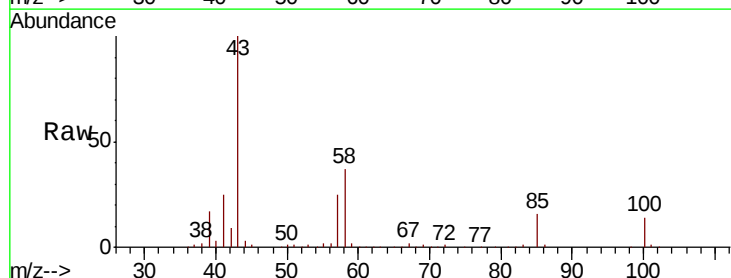
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

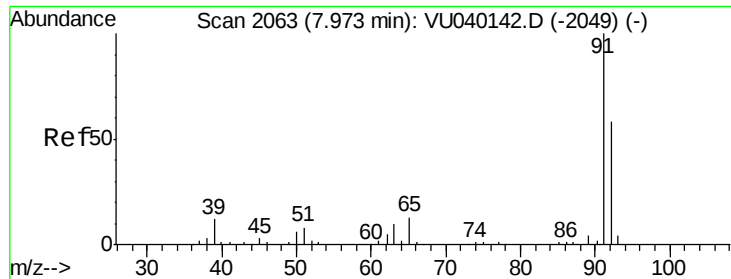
Tot Ion: 75 Resp: 77157
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 49.315 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 43 Resp: 438015
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.7 43.1
 100 13.6 10.2 15.2





#42

Toluene

Concen: 5.444 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

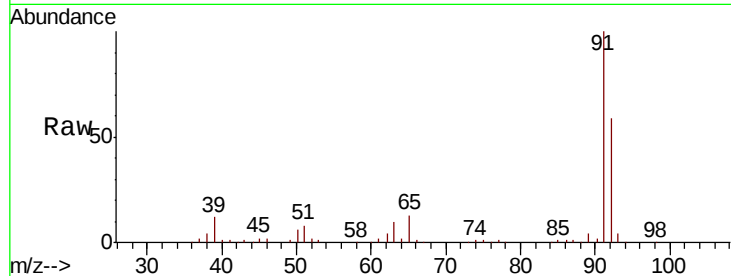
VSTD00509

Tot Ion: 91 Resp: 224121

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040142.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040142.D (-2049) (-)

7.98

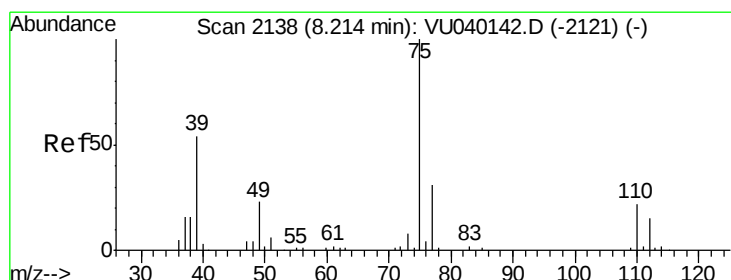
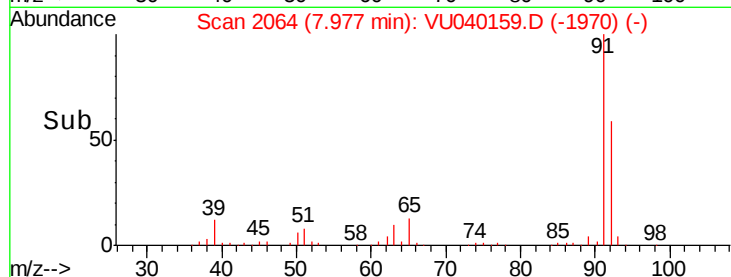
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.901 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040159.D

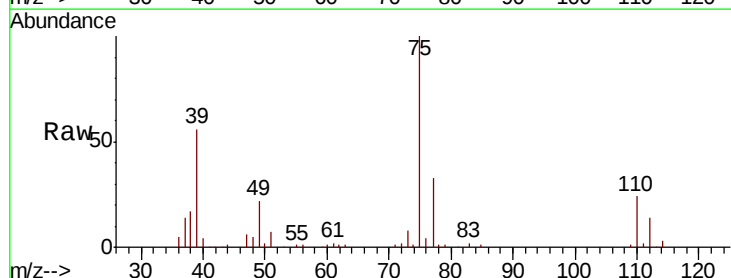
Acq: 16 Sep 2020 19:34

Tgt Ion: 75 Resp: 72499

Ion Ratio Lower Upper

75 100

77 33.0 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040142.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040142.D (-2121) (-)

8.22

50000

40000

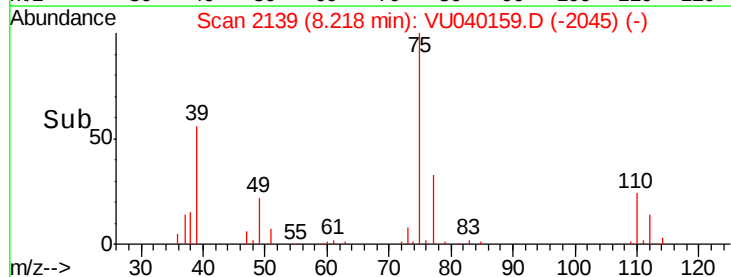
30000

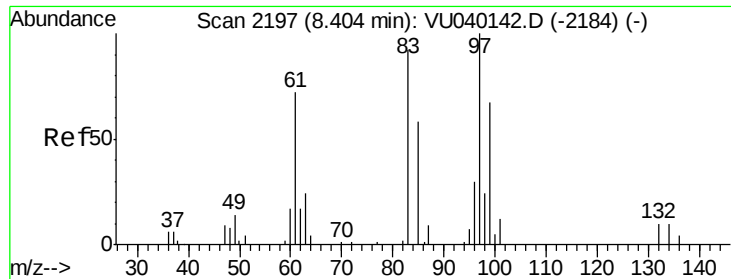
20000

10000

0

Time-->

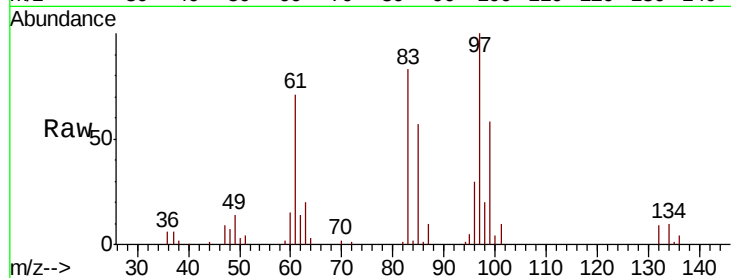




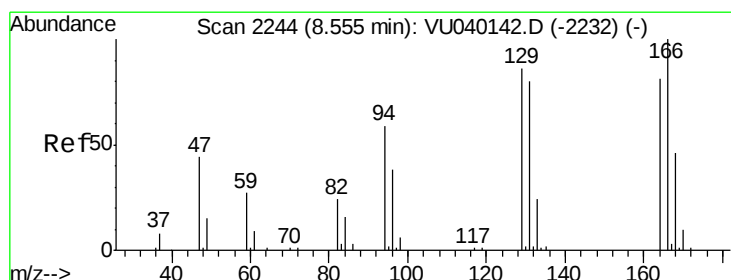
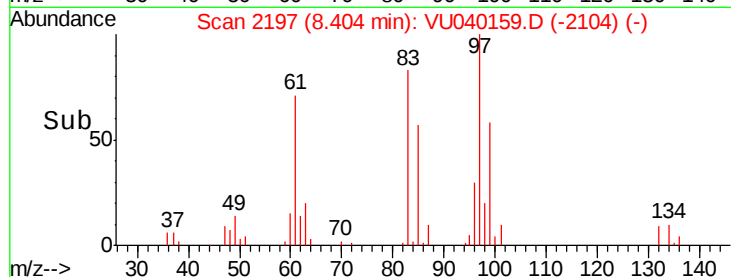
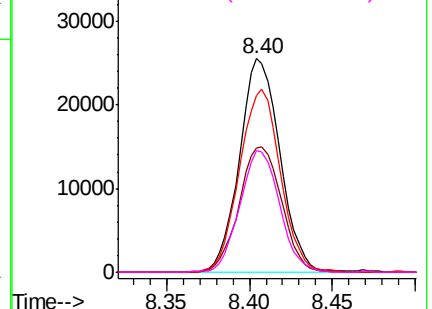
#45
 1,1,2-Trichloroethane
 Concen: 5.491 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:	97	Resp:	43306
Ion	Ratio	Lower	Upper
97	100		
99	58.2	43.0	79.8
83	82.8	61.7	114.7
85	56.7	39.3	73.1

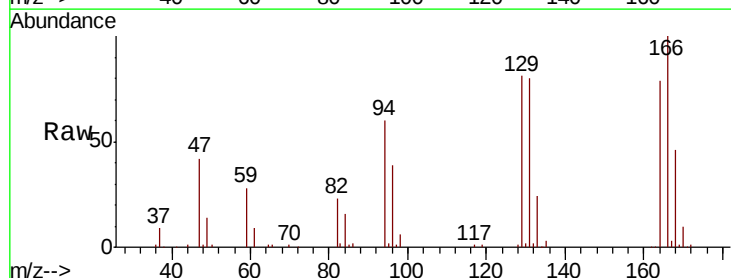


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

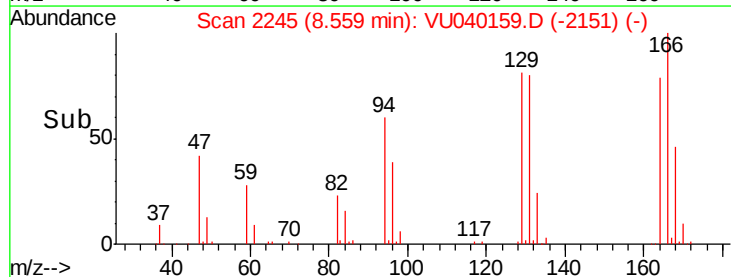
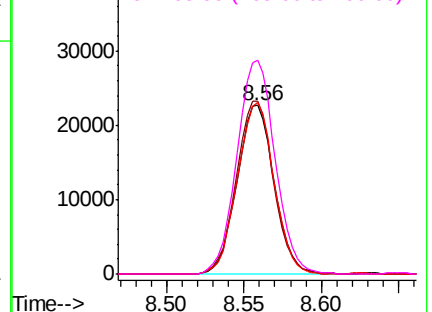


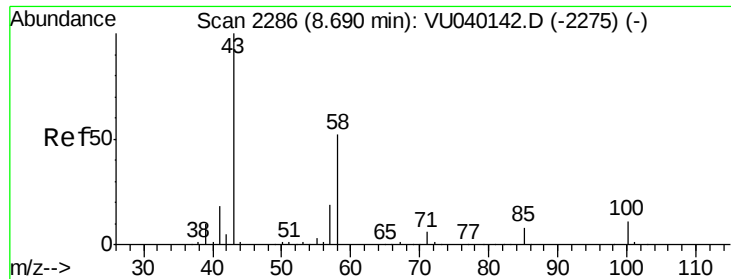
#47
 Tetrachloroethene
 Concen: 5.365 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion:	164	Resp:	37791
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.5	132.7
131	101.8	65.9	122.5
166	126.6	87.3	162.1



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

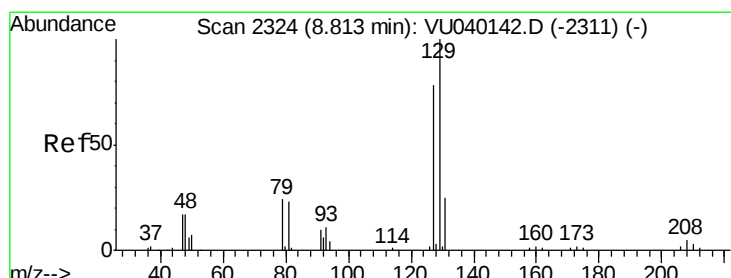
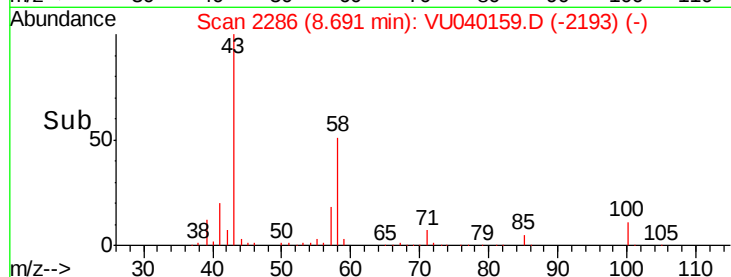
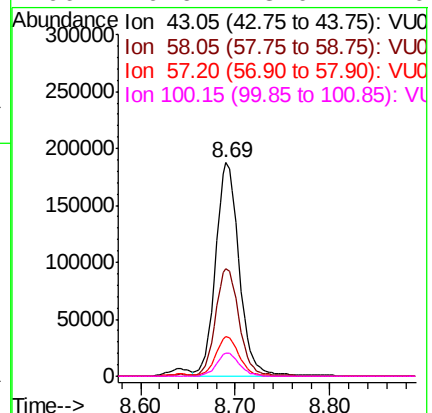
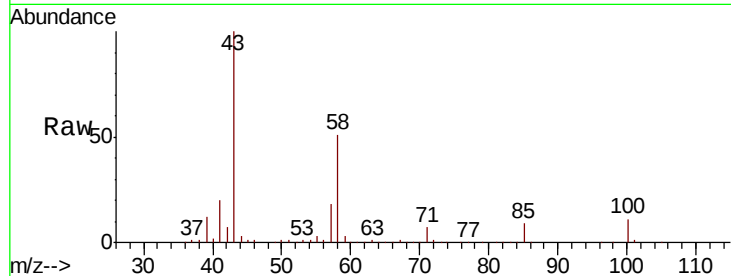




#48
2-Hexanone
Concen: 49.951 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

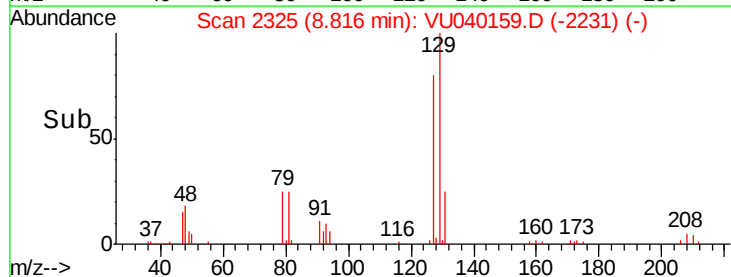
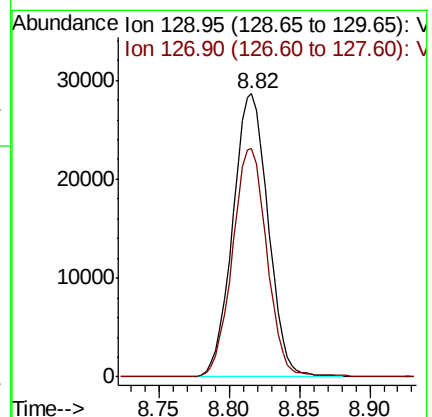
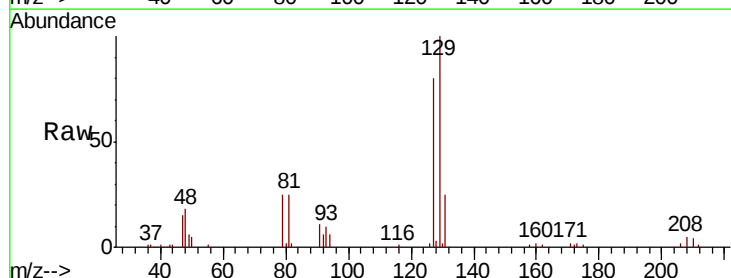
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

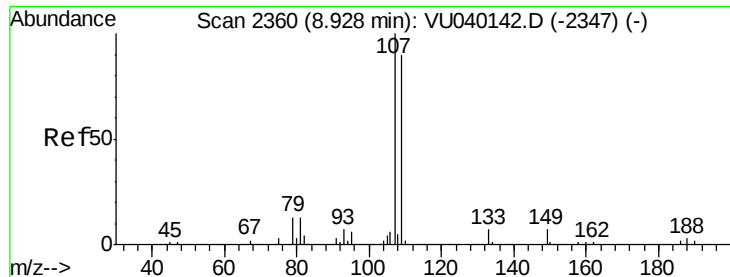
Tot Ion: 43 Resp: 323628
Ion Ratio Lower Upper
43 100
58 51.1 39.6 59.4
57 18.0 14.3 21.5
100 10.6 8.0 12.0



#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Tgt Ion: 129 Resp: 50319
Ion Ratio Lower Upper
129 100
127 80.5 53.7 99.7

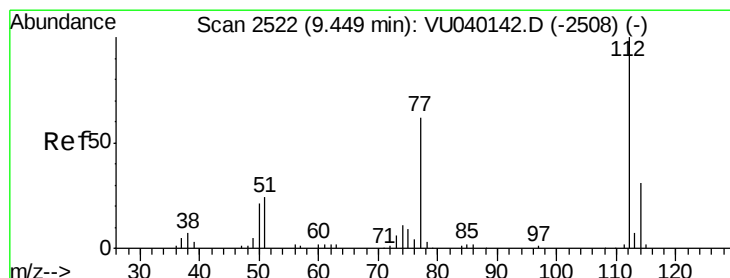
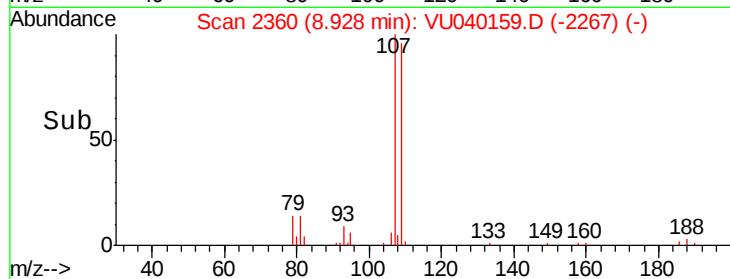
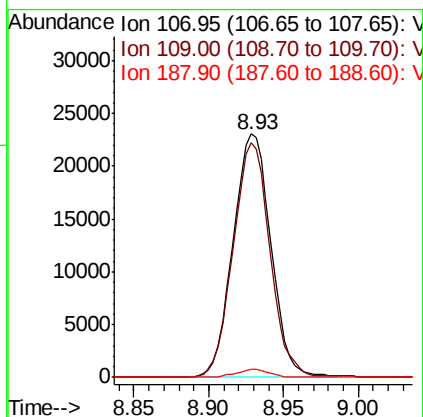
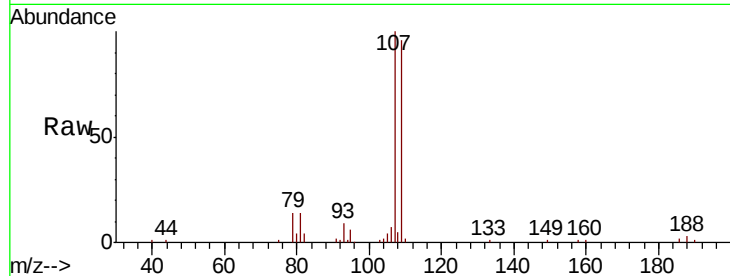




#50
 1,2-Dibromoethane
 Concen: 5.333 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

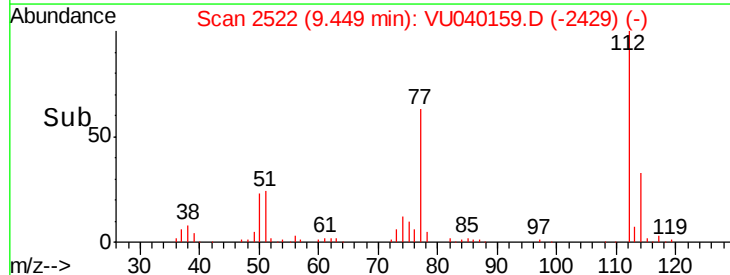
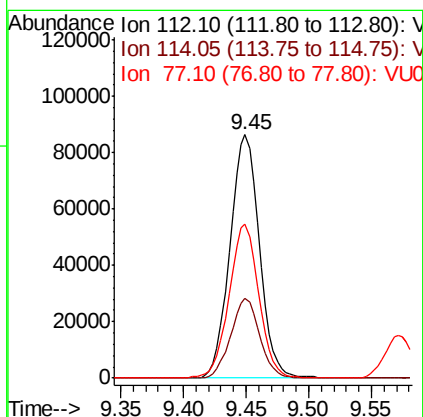
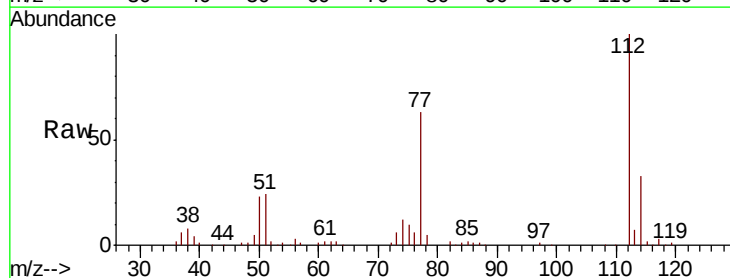
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

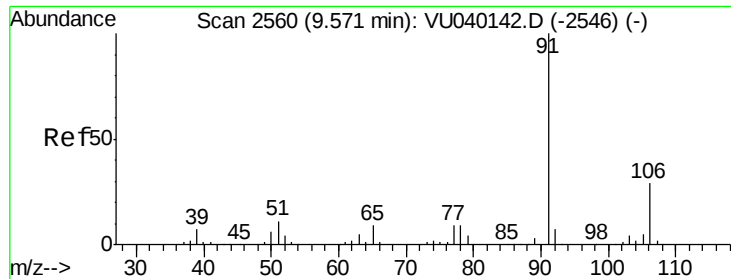
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	62.4	115.8
188	3.3	2.3	3.5



#51
 Chlorobenzene
 Concen: 5.502 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.7	42.3
77	63.1	53.2	79.8





#52

Ethylbenzene

Concen: 5.202 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

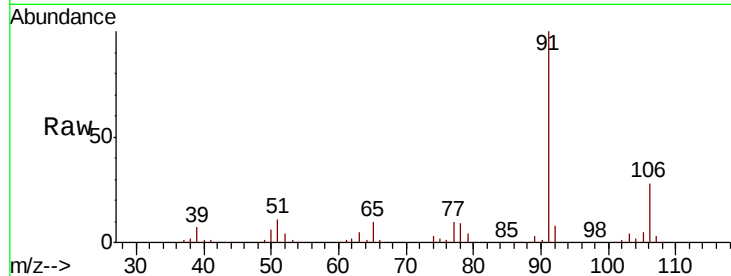
VSTD00509

Tot Ion: 91 Resp: 243355

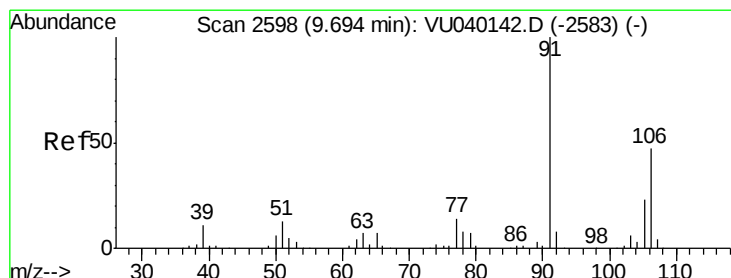
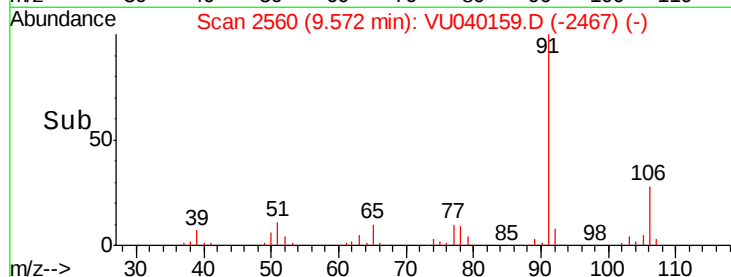
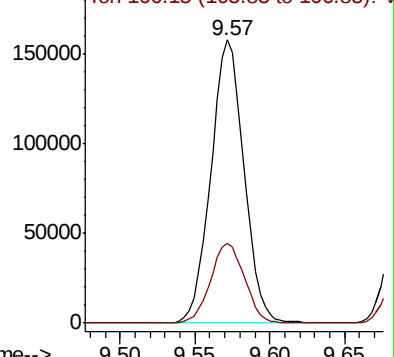
Ion Ratio Lower Upper

91 100

106 28.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040159.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.506 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040159.D

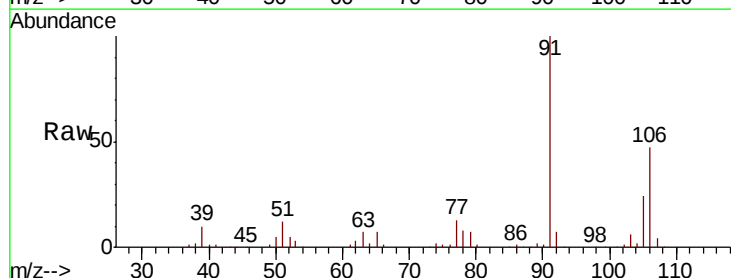
Acq: 16 Sep 2020 19:34

Tgt Ion: 106 Resp: 91700

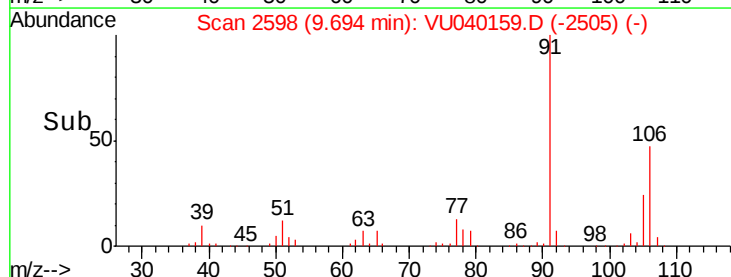
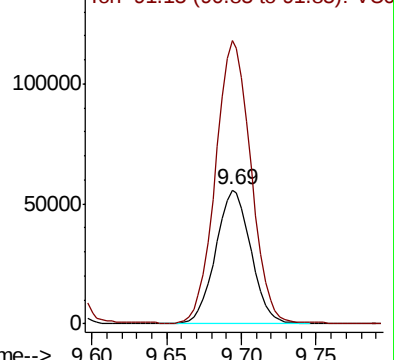
Ion Ratio Lower Upper

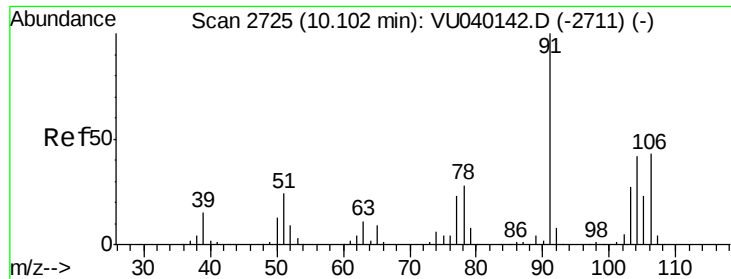
106 100

91 211.2 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040159.D (-2505) (-)

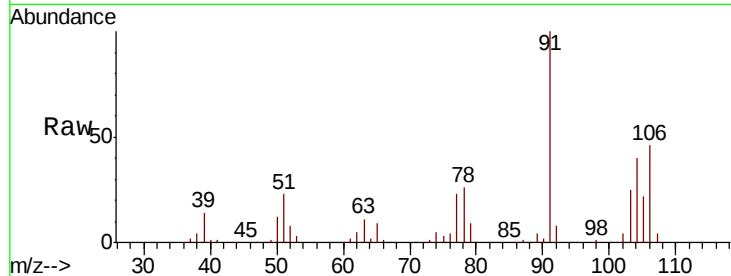




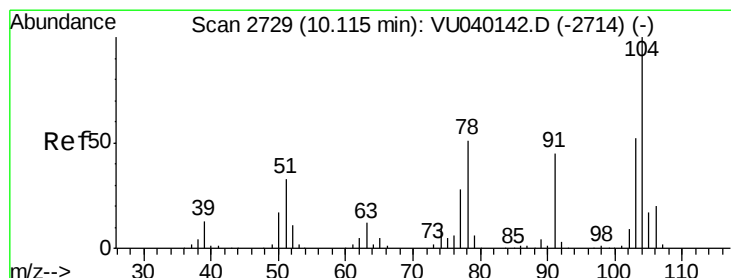
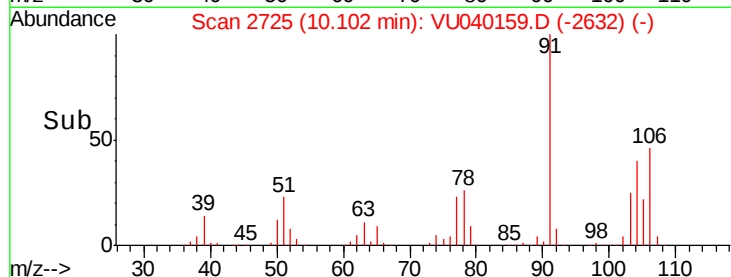
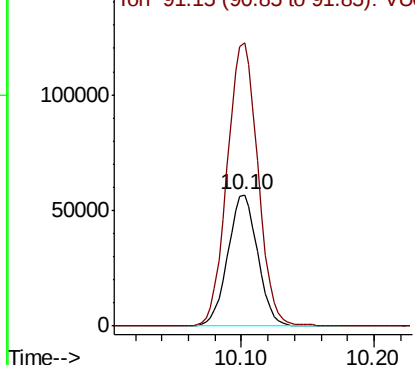
#54
o-Xylene
Concen: 5.613 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:106 Resp: 89079
Ion Ratio Lower Upper
106 100
91 215.4 160.8 298.6

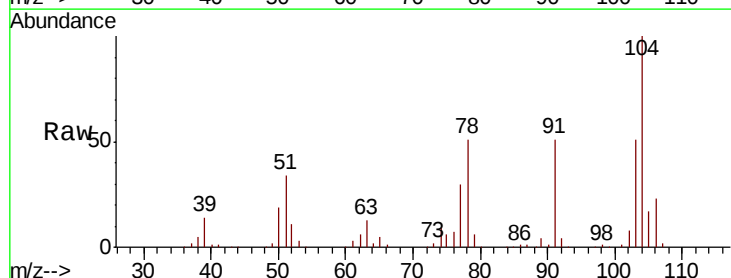


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

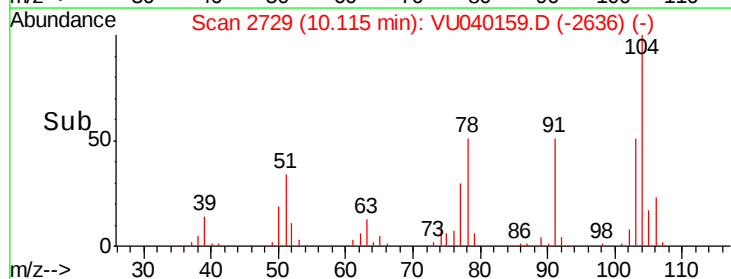
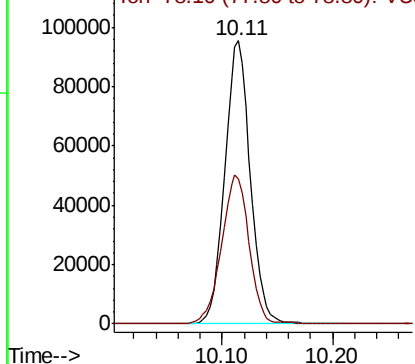


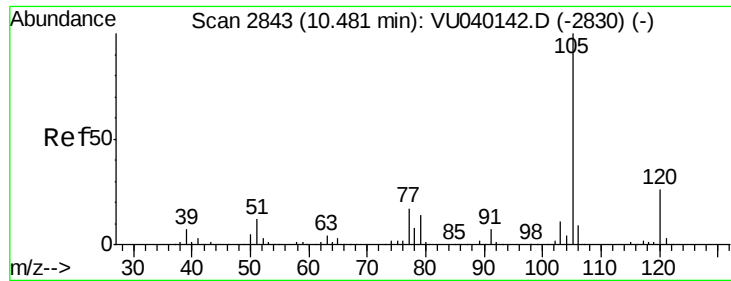
#55
Styrene
Concen: 5.543 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040159.D
Acq: 16 Sep 2020 19:34

Tgt Ion:104 Resp: 152987
Ion Ratio Lower Upper
104 100
78 51.5 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.499 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

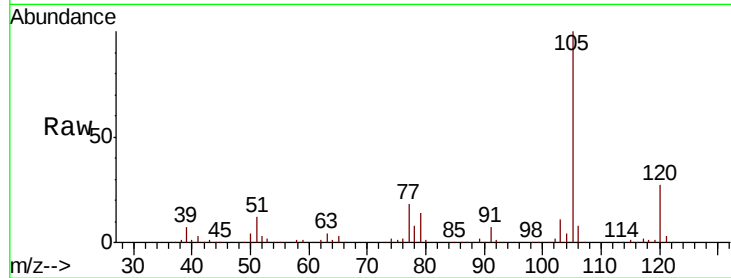
Tot Ion:105 Resp: 238044

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

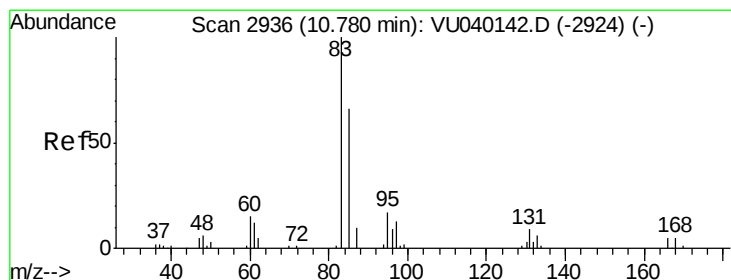
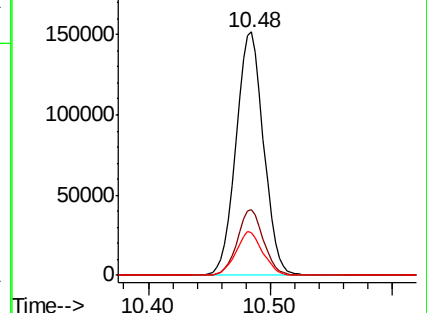
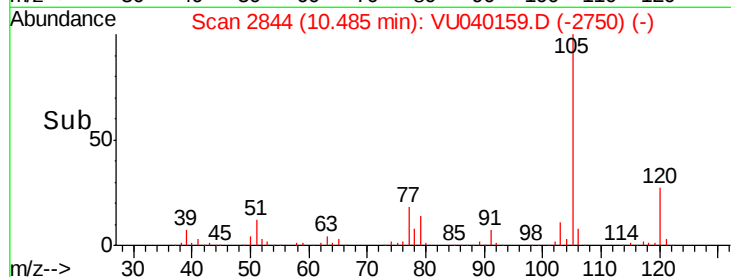
77 17.6 14.4 21.6



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: 5.381 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

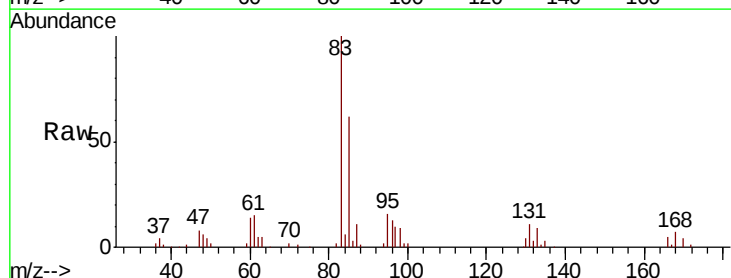
Tgt Ion: 83 Resp: 54408

Ion Ratio Lower Upper

83 100

85 61.8 44.9 83.3

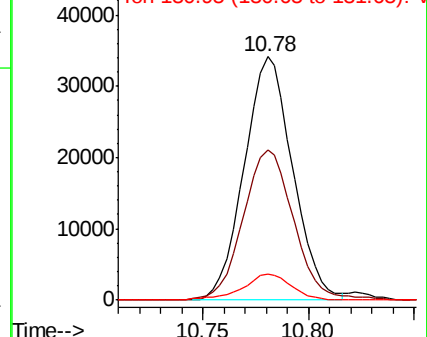
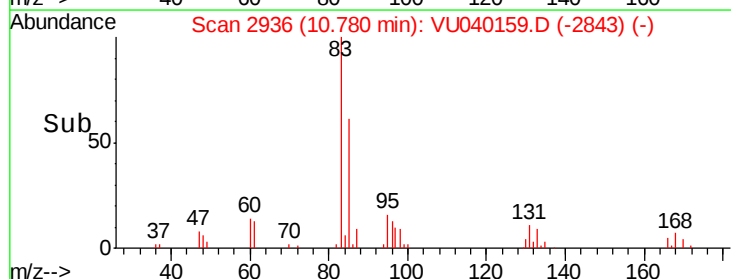
131 10.7 7.4 11.0

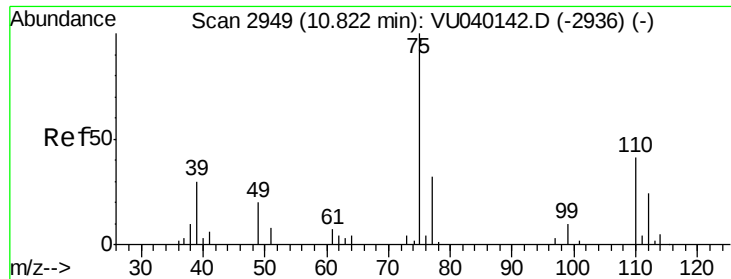


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

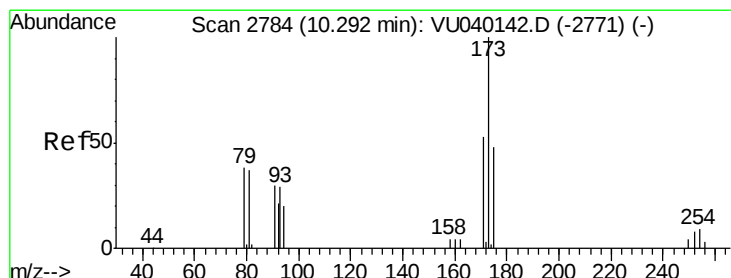
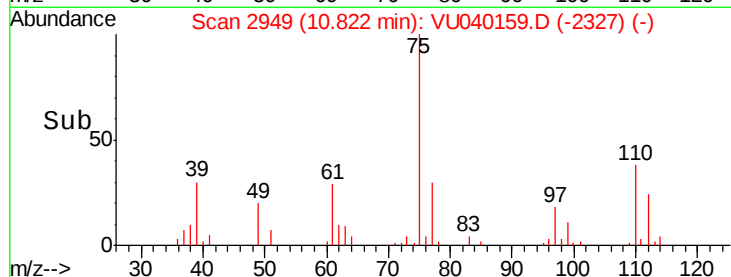
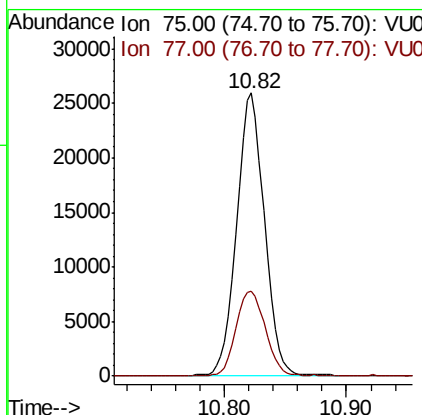
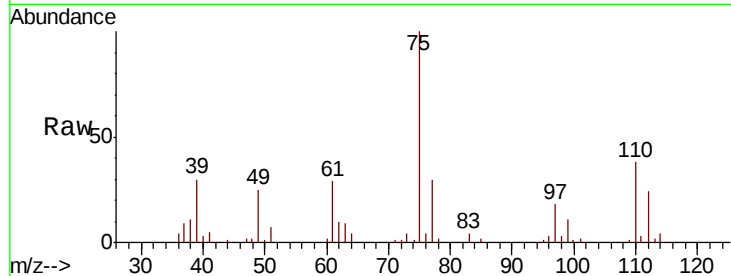




#59
 1,2,3-Trichloropropane
 Concen: 5.110 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

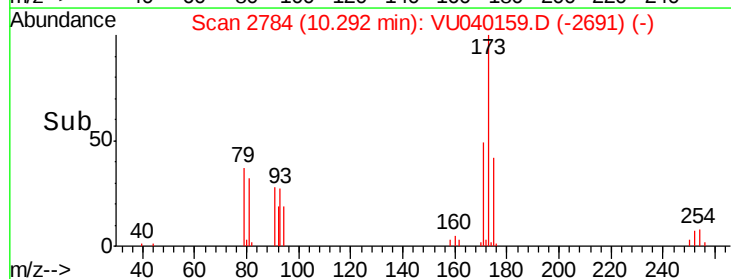
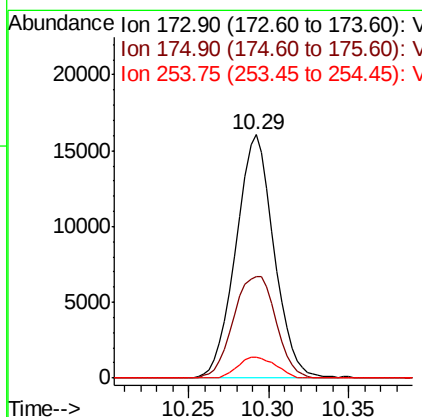
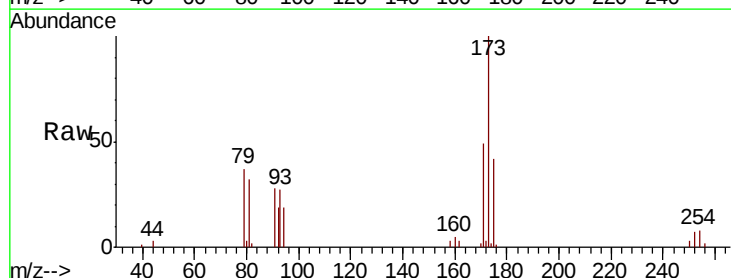
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

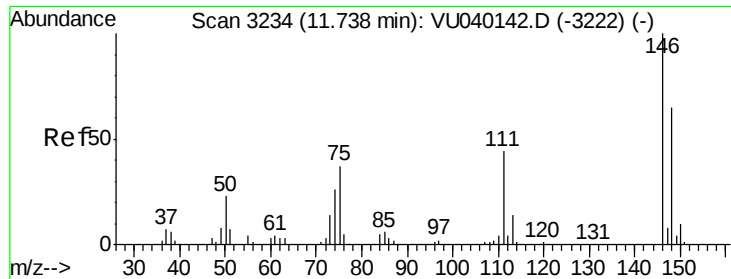
Tot Ion: 75 Resp: 40985
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.9 37.3



#61
 Bromoform
 Concen: 5.083 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion:173 Resp: 26019
 Ion Ratio Lower Upper
 173 100
 175 46.6 37.8 56.6
 254 8.4 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.277 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

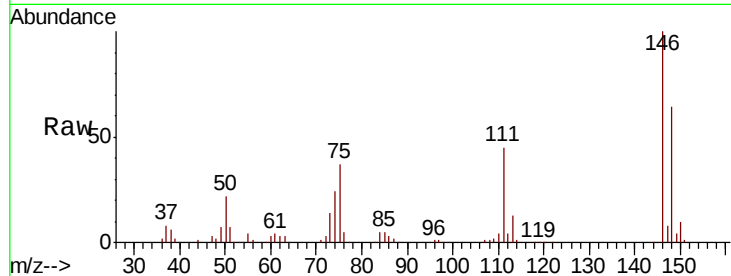
Tot Ion:146 Resp: 107650

Ion Ratio Lower Upper

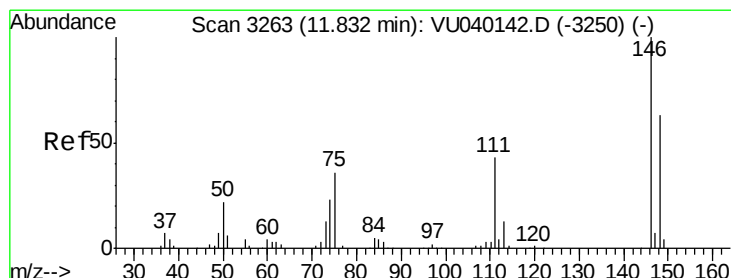
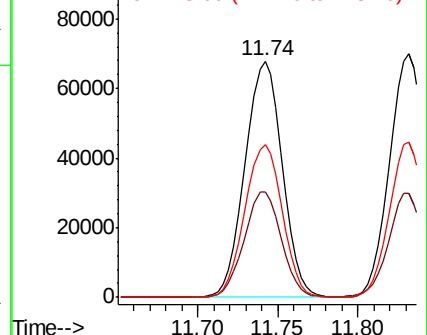
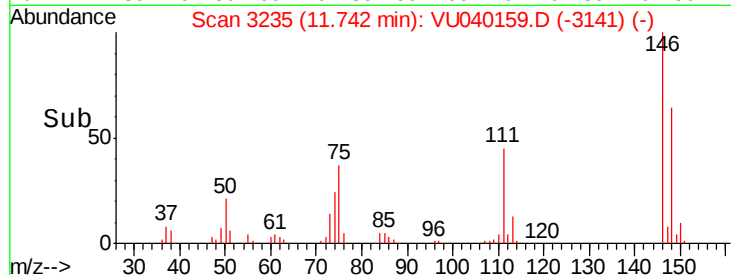
146 100

111 44.9 31.6 58.8

148 64.4 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 5.328 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

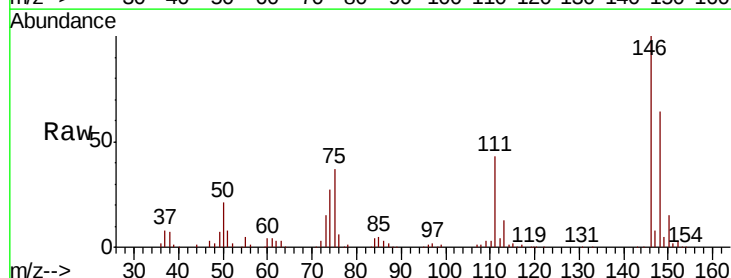
Tgt Ion:146 Resp: 109986

Ion Ratio Lower Upper

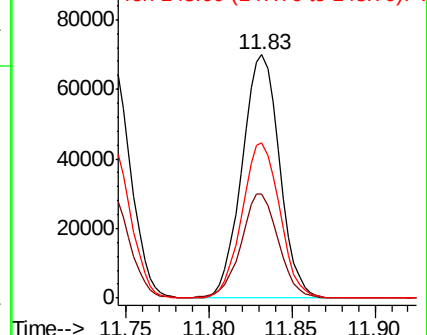
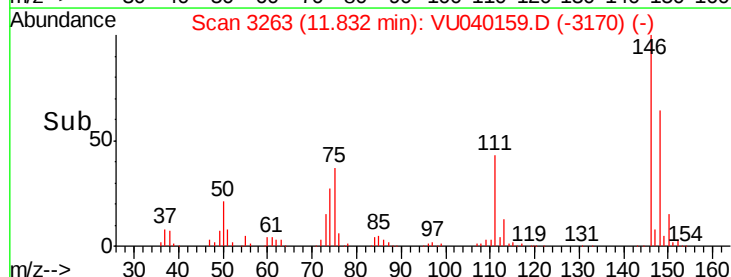
146 100

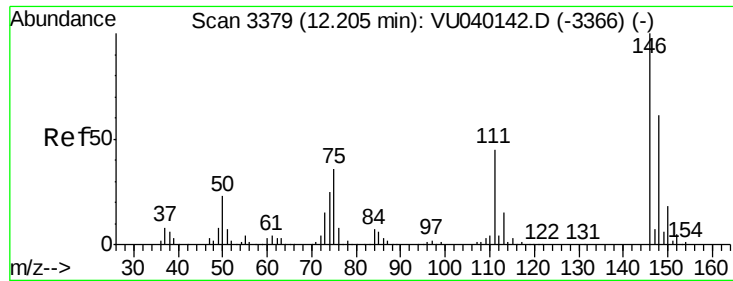
111 42.8 30.5 56.7

148 63.9 45.4 84.4



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

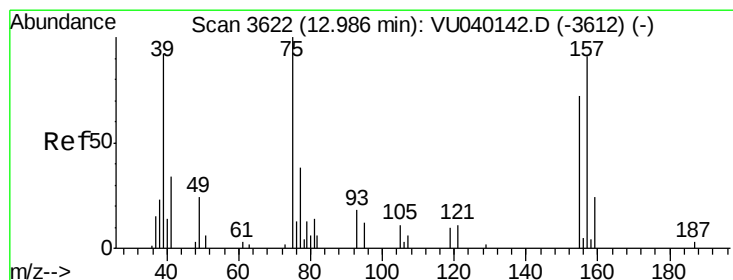
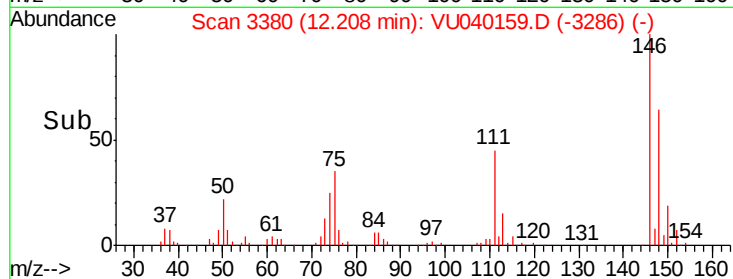
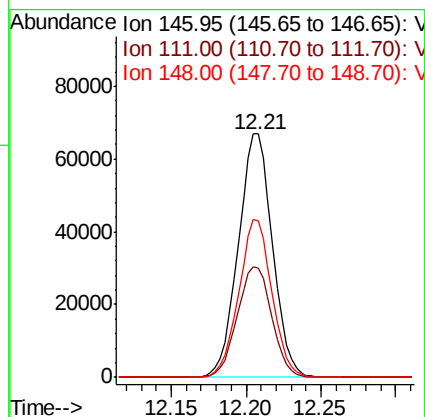
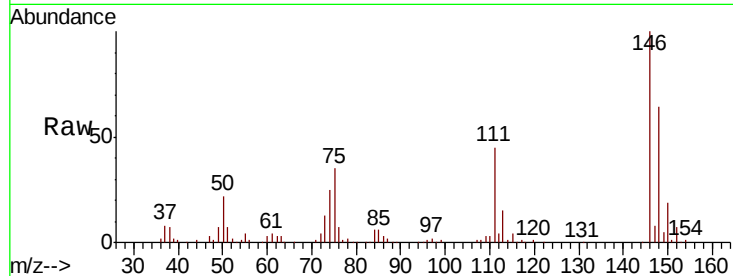




#65
 1,2-Dichlorobenzene
 Concen: 5.376 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

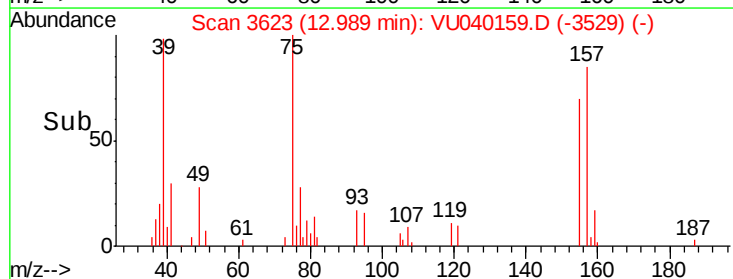
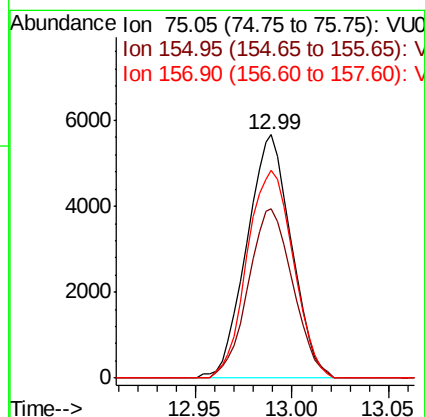
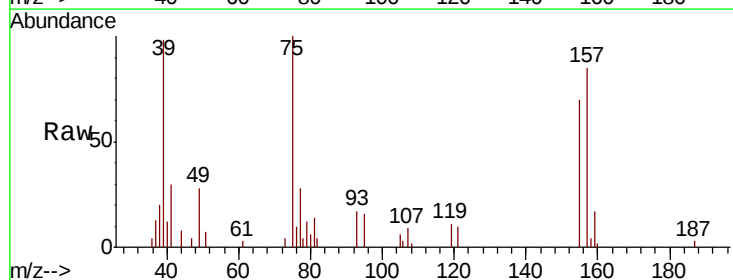
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

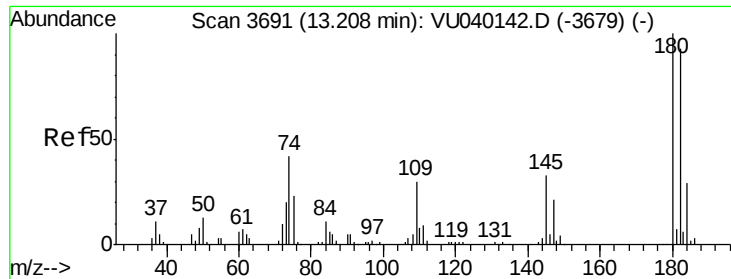
Tot Ion:146 Resp: 106111
 Ion Ratio Lower Upper
 146 100
 111 44.9 36.5 54.7
 148 64.1 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.304 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion: 75 Resp: 9087
 Ion Ratio Lower Upper
 75 100
 155 69.8 54.6 82.0
 157 85.1 75.6 113.4

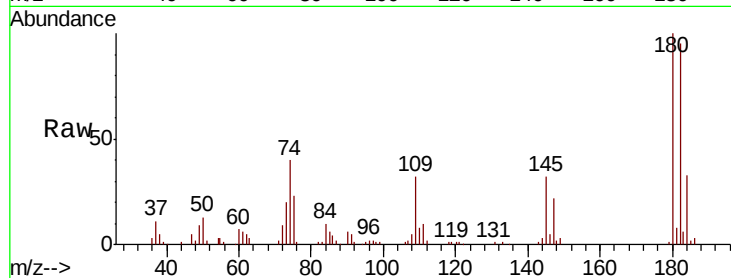




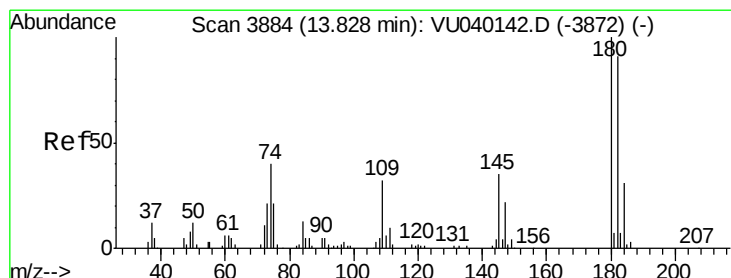
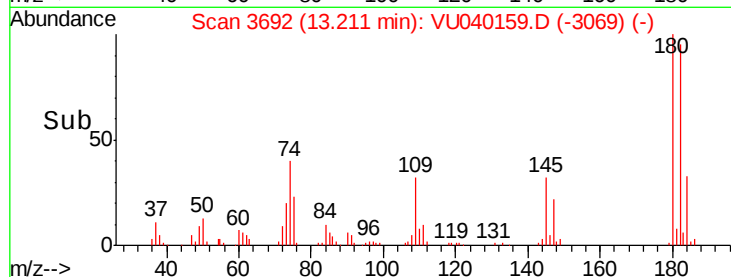
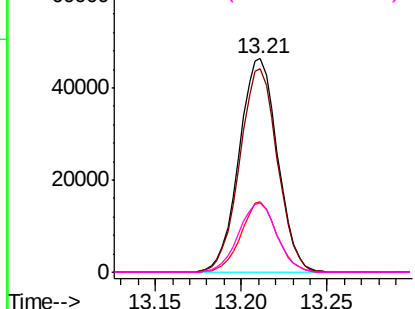
#67
 1,3,5-Trichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:180 Resp: 72131
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.9 115.3
 184 30.7 24.6 36.8
 145 32.3 27.0 40.6

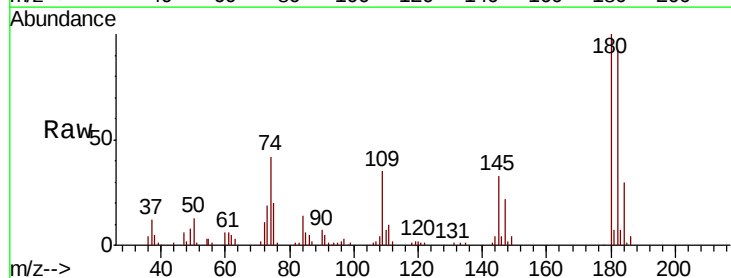


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

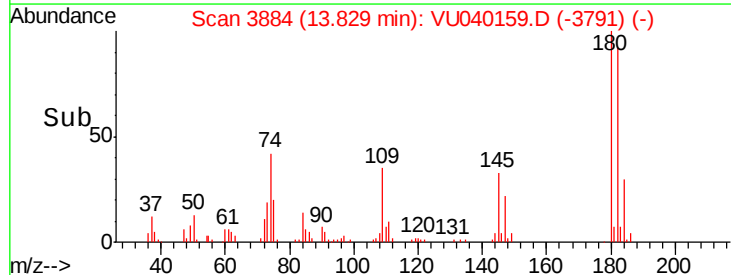
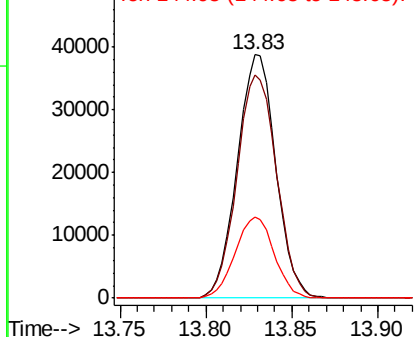


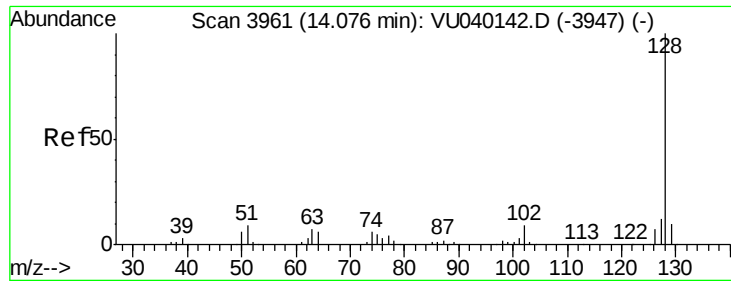
#68
 1,2,4-trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040159.D
 Acq: 16 Sep 2020 19:34

Tgt Ion:180 Resp: 60230
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.0 114.0
 145 33.8 28.4 42.6



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: 4.145 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

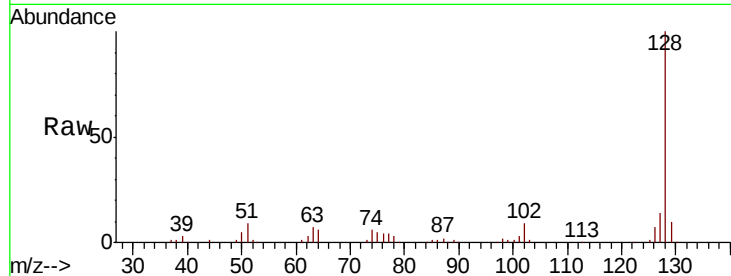
Tot Ion:128 Resp: 106741

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

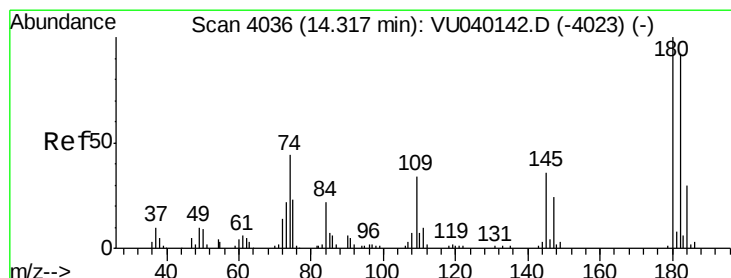
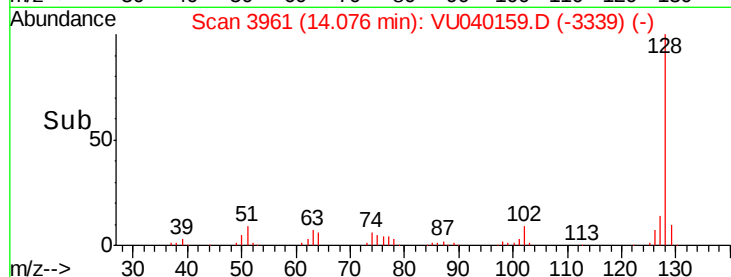
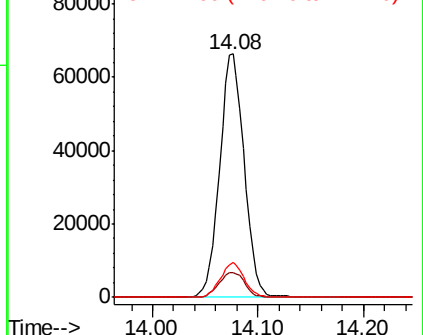
127 13.9 10.7 16.1



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: 4.922 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040159.D

Acq: 16 Sep 2020 19:34

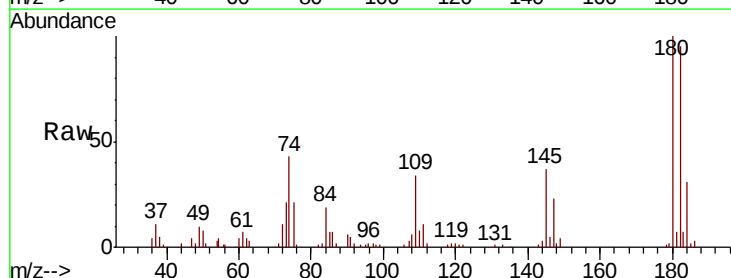
Tgt Ion:180 Resp: 55854

Ion Ratio Lower Upper

180 100

182 93.8 77.8 116.6

145 37.3 28.7 43.1



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

