

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039341.D
 Acq On : 08 Jul 2020 10:25
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Jul 09 02:23:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 12:19:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124100	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119885	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57716	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29931	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	29186	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.58	63	57960	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.00%
20) 2-Butanone-d5	4.66	46	170849	51.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.82%
24) Chloroform-d	5.08	84	69350	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.72	65	43954	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.74	84	123952	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	45407	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.91	98	103891	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.19	79	19792	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	131223	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47180	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	44923	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	37022	4.922 ug/L	99
3) Chloromethane	1.53	50	39935	4.382 ug/L	100
5) Vinyl chloride	1.61	62	44794	4.427 ug/L	98
6) Bromomethane	1.87	94	19416	4.455 ug/L	93
8) Chloroethane	1.94	64	29825	4.080 ug/L	94
9) Trichlorofluoromethane	2.15	101	81789	4.655 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	35819	4.968 ug/L	98
12) 1,1-Dichloroethene	2.59	96	33539	4.544 ug/L	86
13) Acetone	2.66	43	83723	47.131 ug/L	99
14) Carbon disulfide	2.81	76	113745	4.375 ug/L	99
15) Methyl Acetate	2.97	43	20853	4.444 ug/L #	90
16) Methylene chloride	3.06	84	39569	4.262 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	101585	4.368 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	35797	4.381 ug/L	98
19) 1,1-Dichloroethane	3.89	63	69747	4.363 ug/L	99
21) 2-Butanone	4.74	43	143493	45.257 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	40224	4.390 ug/L	99

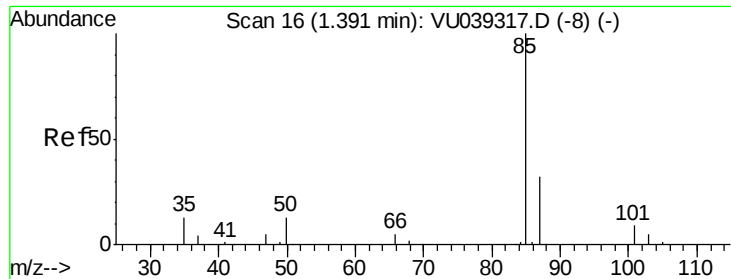
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	17732	4.260	ug/L	87
25) Chloroform	5.11	83	72973	4.520	ug/L	100
27) 1,2-Dichloroethane	5.81	62	51087	4.375	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	61507	4.356	ug/L	97
30) Cyclohexane	5.40	56	68494	4.607	ug/L	99
31) Carbon tetrachloride	5.54	117	52511	4.359	ug/L	97
33) Benzene	5.79	78	156192	4.358	ug/L	100
34) Trichloroethene	6.55	95	40221	4.341	ug/L	98
35) Methylcyclohexane	6.77	83	69765	4.700	ug/L	100
37) 1,2-Dichloropropane	6.81	63	41788	4.277	ug/L	100
38) Bromodichloromethane	7.11	83	52239	4.187	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	63209	4.280	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	350435	42.993	ug/L	98
42) Toluene	7.98	91	166719	4.344	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	57077	4.356	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	30678	4.371	ug/L	99
47) Tetrachloroethene	8.56	164	29098	4.514	ug/L	96
48) 2-Hexanone	8.69	43	262979	43.757	ug/L	98
49) Dibromochloromethane	8.82	129	35952	4.229	ug/L	99
50) 1,2-Dibromoethane	8.93	107	29446	4.130	ug/L	85
51) Chlorobenzene	9.45	112	102281	4.361	ug/L	99
52) Ethylbenzene	9.57	91	184969	4.361	ug/L	100
53) m,p-Xylene	9.70	106	69839	4.370	ug/L	100
54) o-Xylene	10.10	106	66102	4.248	ug/L	97
55) Styrene	10.12	104	112742	4.164	ug/L	99
56) Isopropylbenzene	10.48	105	178233	4.236	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	40319	4.127	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	30874	4.287	ug/L	98
61) Bromoform	10.29	173	21095	4.337	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	80302	4.440	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	79992	4.409	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	78514	4.331	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	6893	4.304	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.21	180	61483	4.543	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	52771	4.556	ug/L	98
69) Naphthalene	14.08	128	104467	4.483	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	48946	4.561	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.922 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

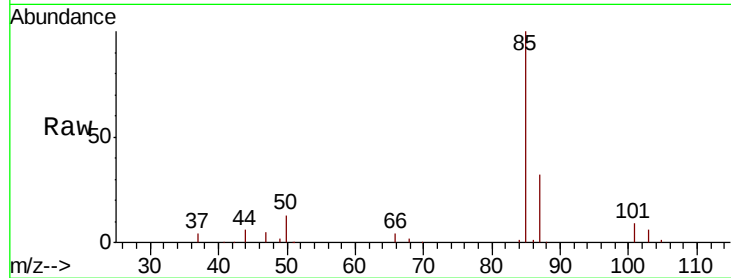
VSTD00508

Tot Ion: 85 Resp: 37022

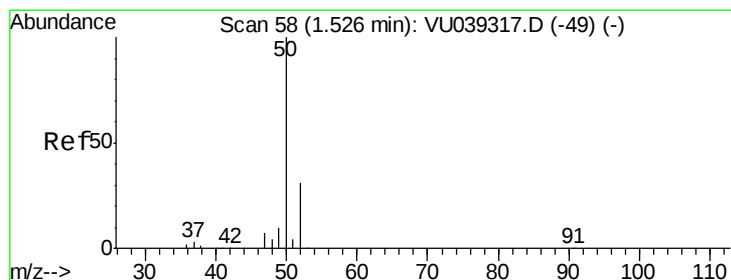
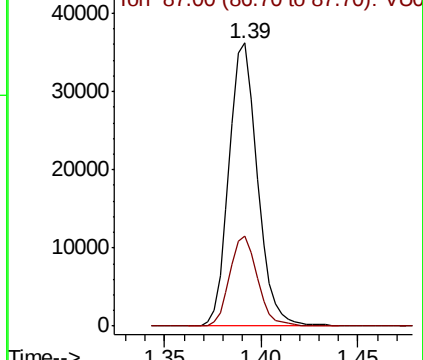
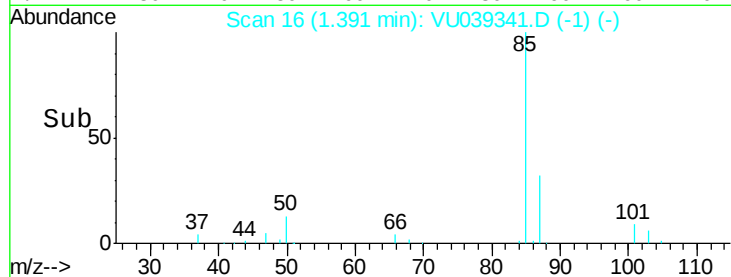
Ion Ratio Lower Upper

85 100

87 31.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039341.D (-1) (-)



#3

Chloromethane

Concen: 4.382 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039341.D

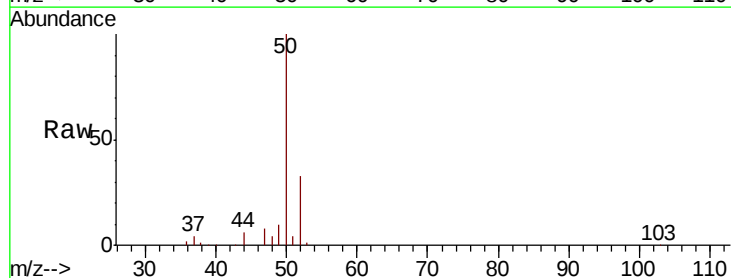
Acq: 08 Jul 2020 10:25

Tgt Ion: 50 Resp: 39935

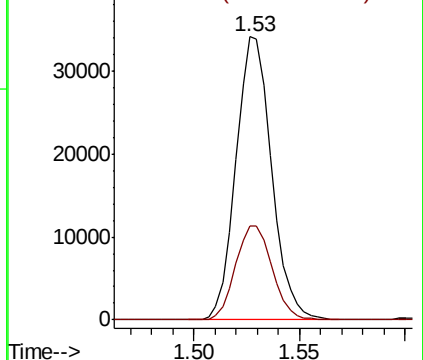
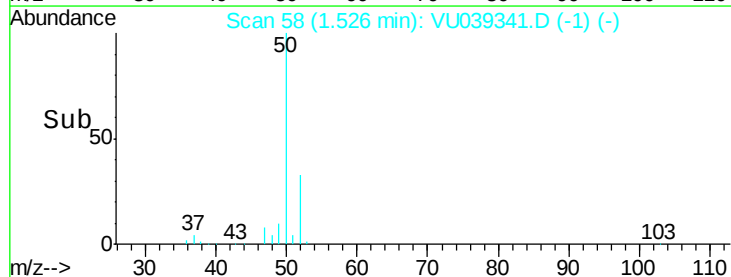
Ion Ratio Lower Upper

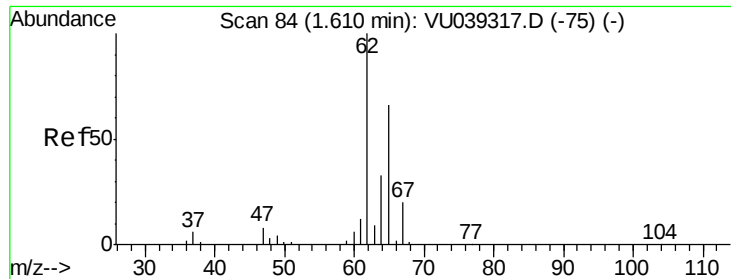
50 100

52 33.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039341.D (-1) (-)





#5

Vinyl chloride

Concen: 4.427 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

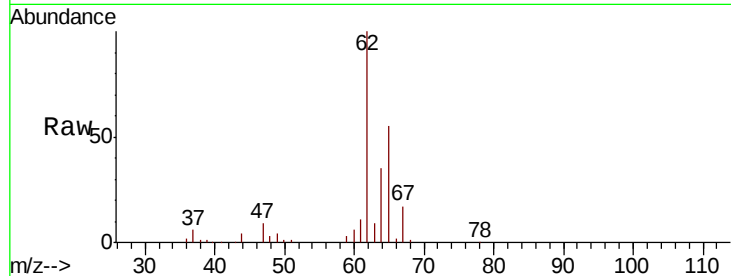
VSTD00508

Tot Ion: 62 Resp: 44794

Ion Ratio Lower Upper

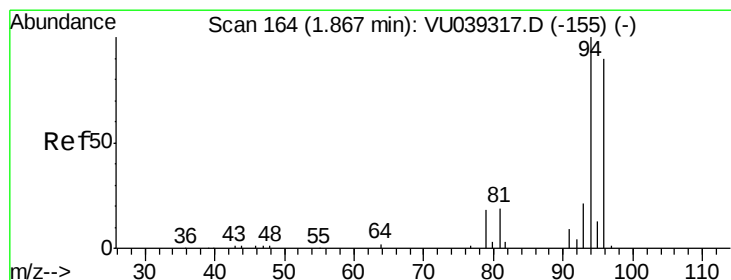
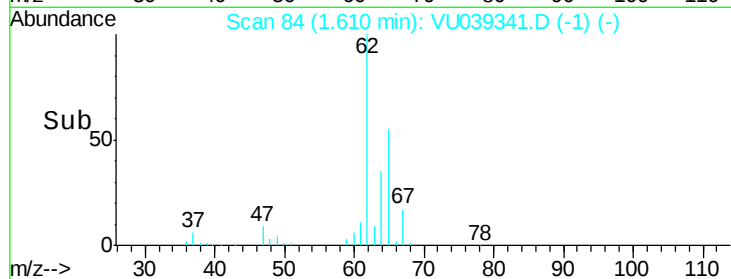
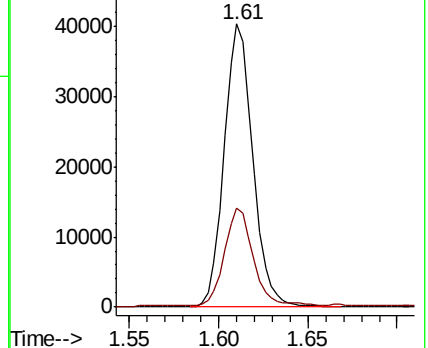
62 100

64 35.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.455 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039341.D

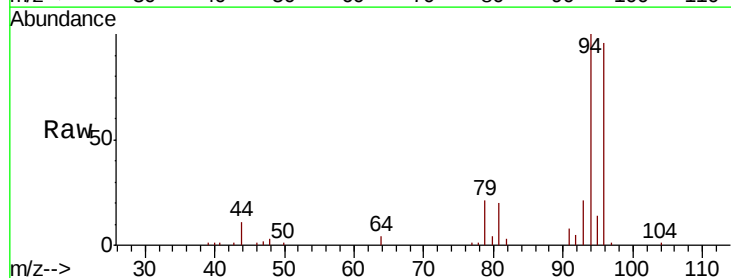
Acq: 08 Jul 2020 10:25

Tgt Ion: 94 Resp: 19416

Ion Ratio Lower Upper

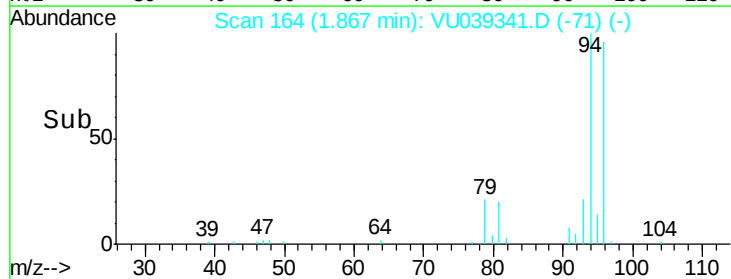
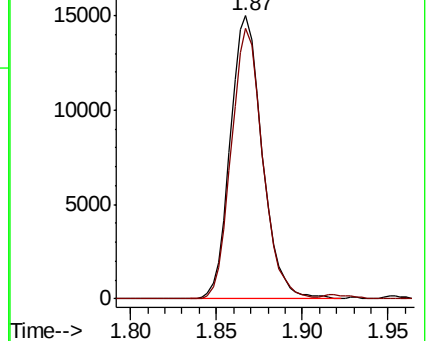
94 100

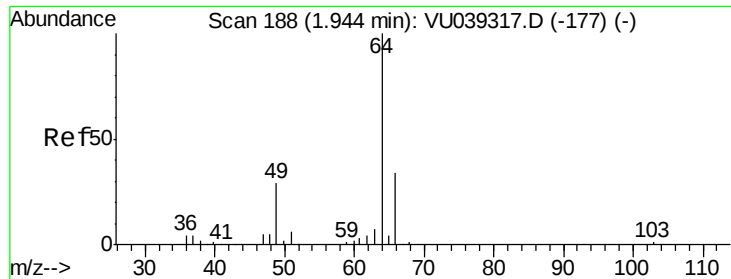
96 95.8 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.080 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

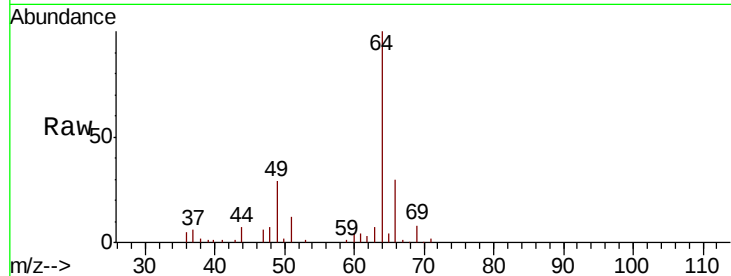
VSTD00508

Tot Ion: 64 Resp: 29825

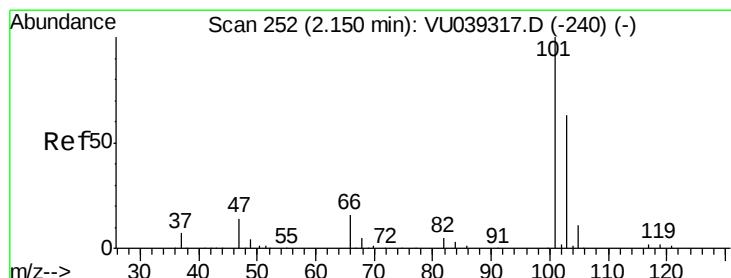
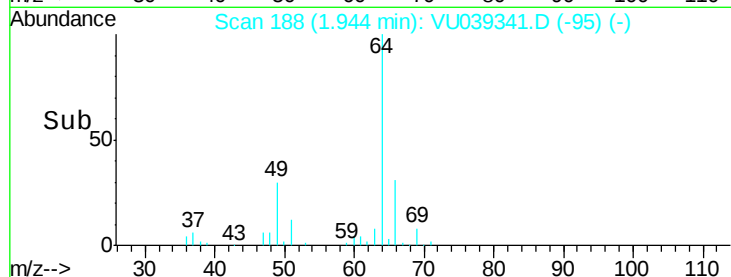
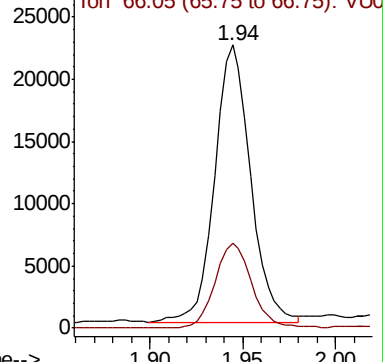
Ion Ratio Lower Upper

64 100

66 30.1 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039341.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.655 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039341.D

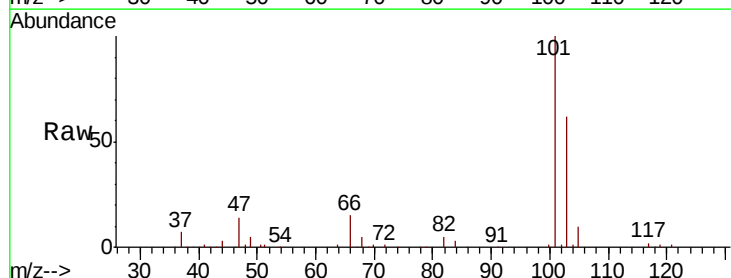
Acq: 08 Jul 2020 10:25

Tgt Ion: 101 Resp: 81789

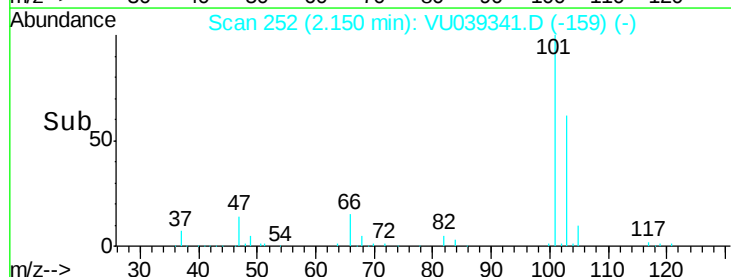
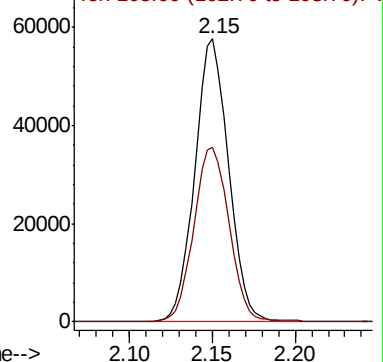
Ion Ratio Lower Upper

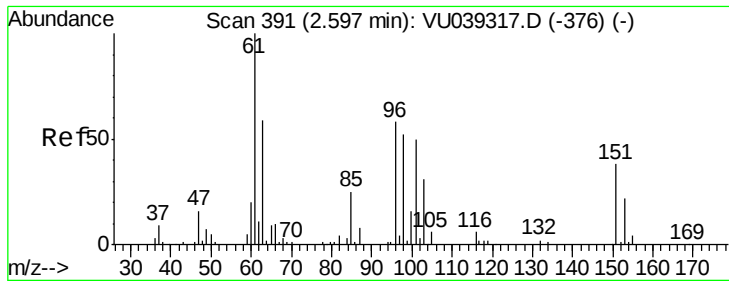
101 100

103 65.0 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039341.D (-159) (-)





#10

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

Concen: 4.968 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

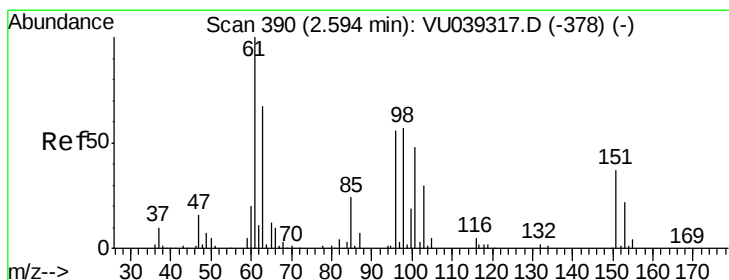
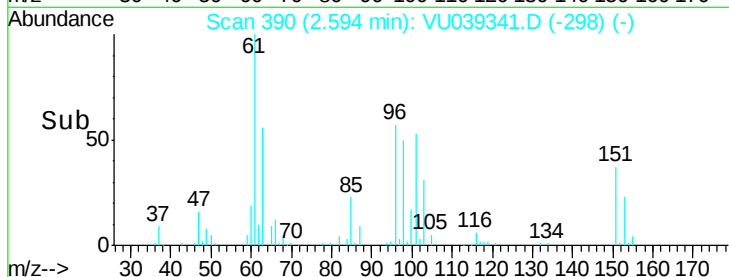
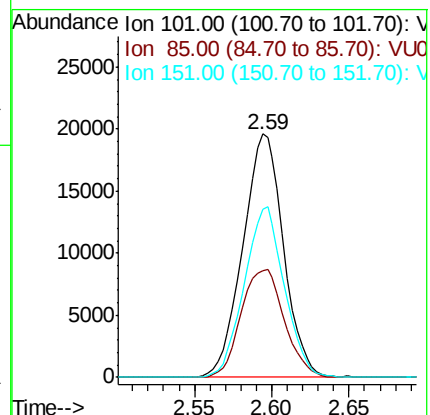
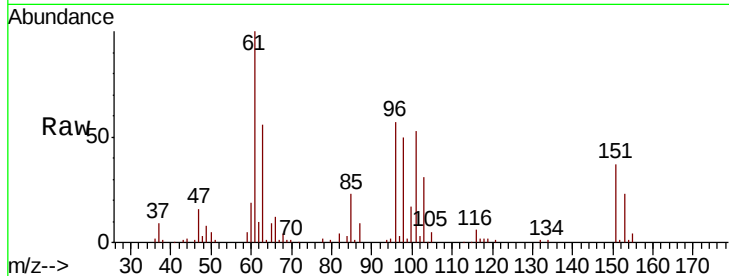
Tot Ion:101 Resp: 35819

Ion Ratio Lower Upper

101 100

85 47.1 38.9 58.3

151 69.0 57.0 85.4



#12

1,1-Dichloroethene

Concen: 4.544 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

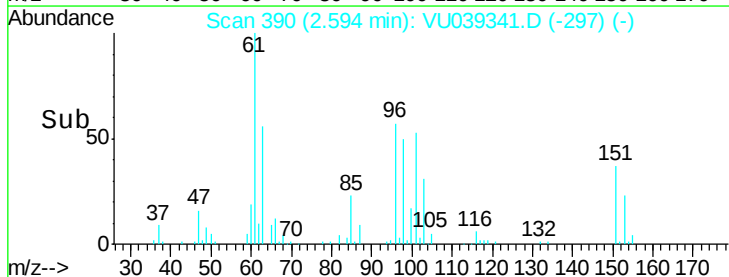
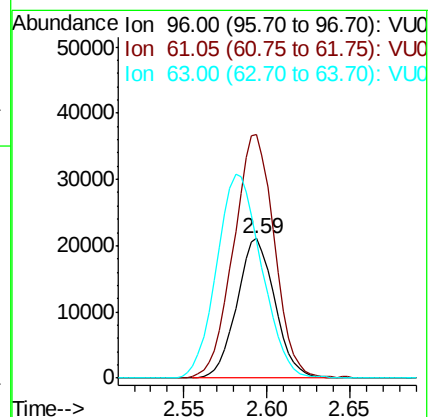
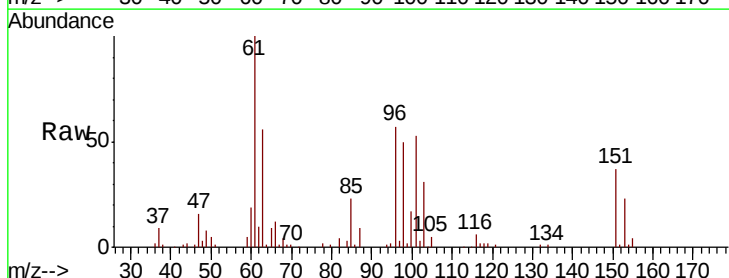
Tgt Ion: 96 Resp: 33539

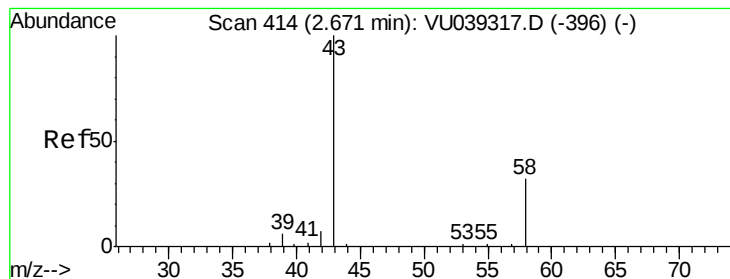
Ion Ratio Lower Upper

96 100

61 174.4 125.4 232.8

63 98.1 92.7 172.3





#13

Acetone

Concen: 47.131 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

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ClientSampleId :

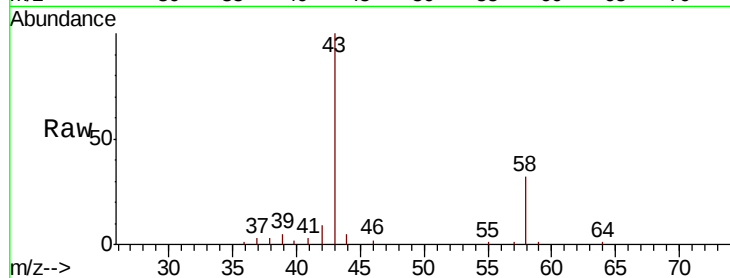
VSTD00508

Tot Ion: 43 Resp: 83723

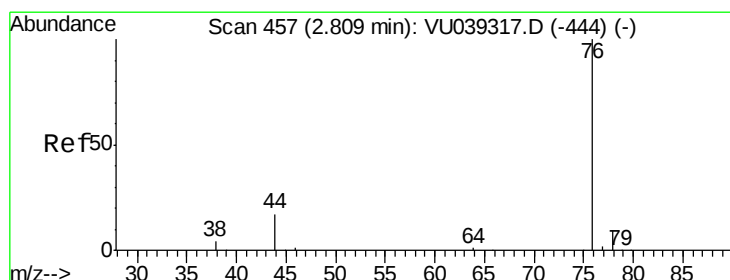
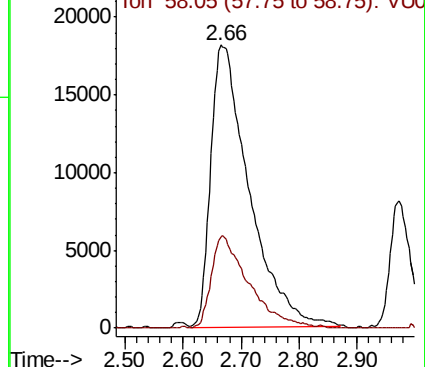
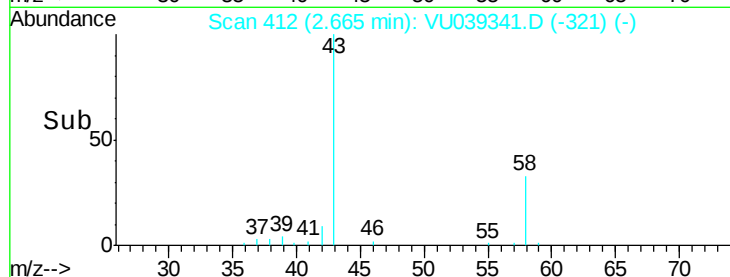
Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039341.D (-321) (-)



#14

Carbon disulfide

Concen: 4.375 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039341.D

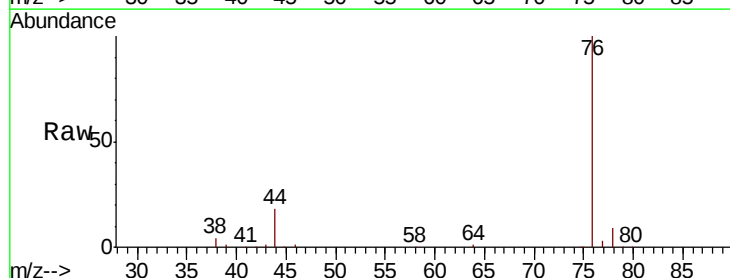
Acq: 08 Jul 2020 10:25

Tgt Ion: 76 Resp: 113745

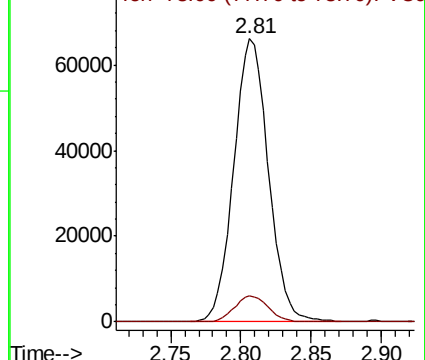
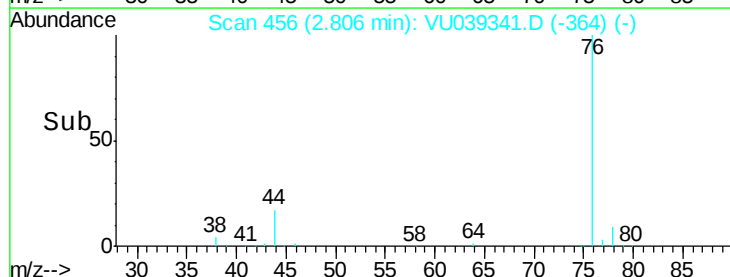
Ion Ratio Lower Upper

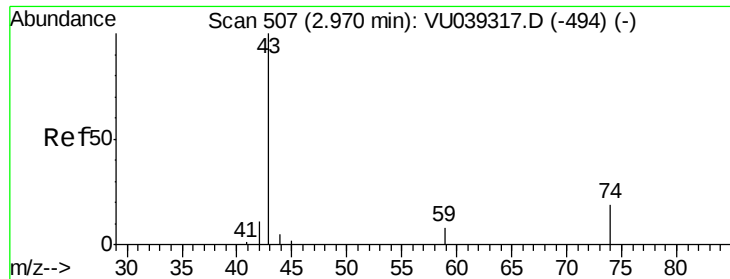
76 100

78 9.2 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039341.D (-364) (-)





#15

Methyl Acetate

Concen: 4.444 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

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ClientSampleId :

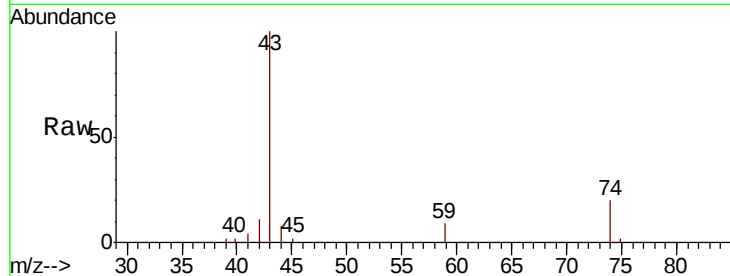
VSTD00508

Tot Ion: 43 Resp: 20853

Ion Ratio Lower Upper

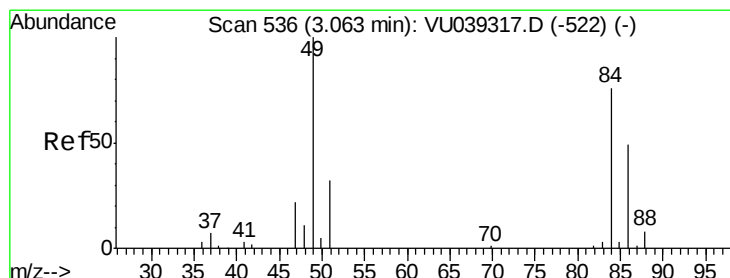
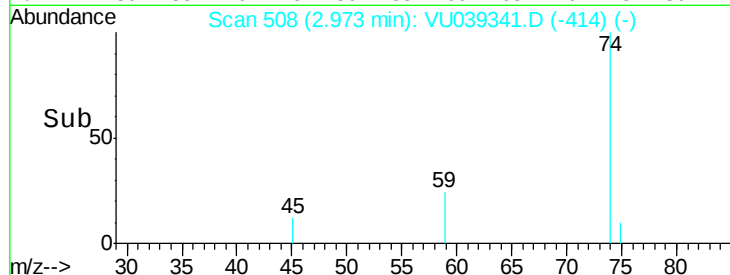
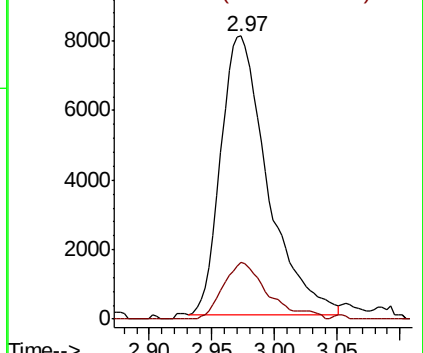
43 100

74 18.5 18.7 28.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.262 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

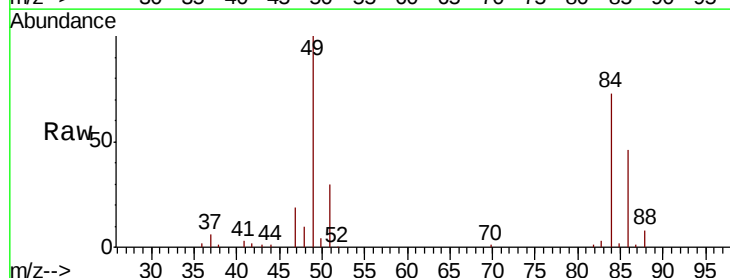
Tgt Ion: 84 Resp: 39569

Ion Ratio Lower Upper

84 100

86 63.0 43.5 80.9

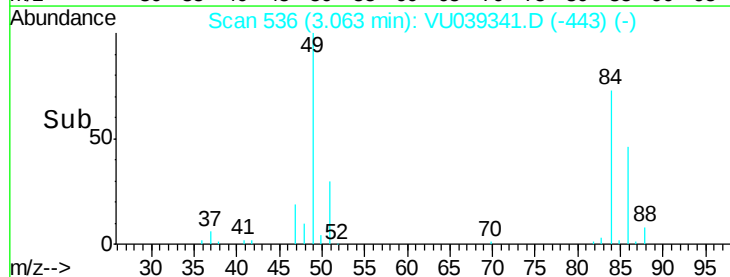
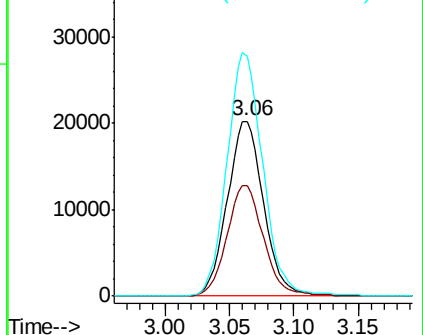
49 137.2 91.1 169.1

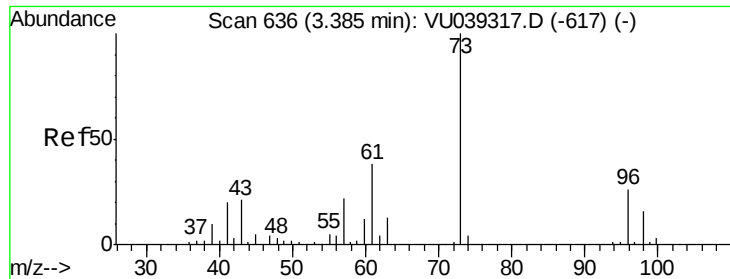


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

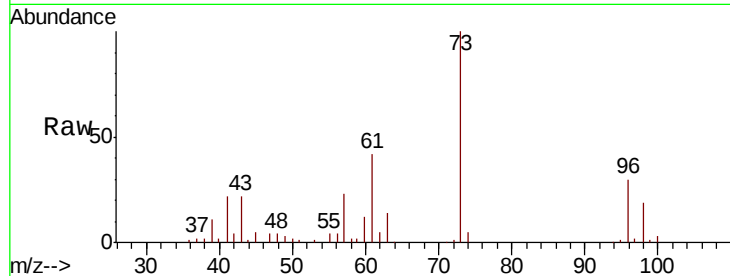




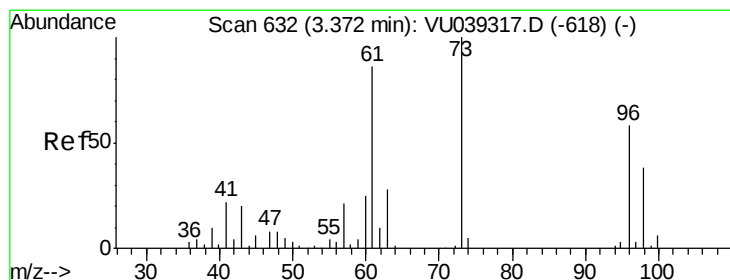
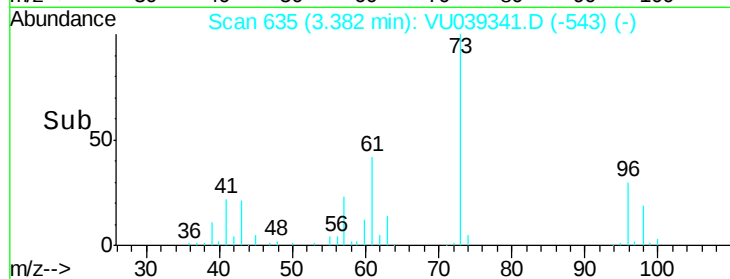
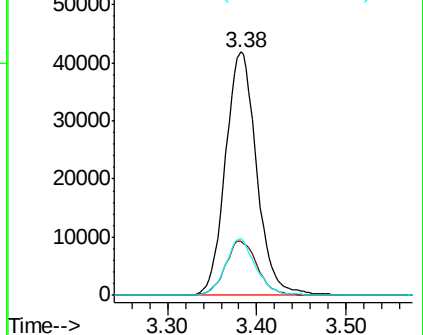
#17
Methvl tert-butvl Ether
Concen: 4.368 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 73 Resp: 101585
Ion Ratio Lower Upper
73 100
43 23.0 18.6 28.0
57 22.3 17.9 26.9

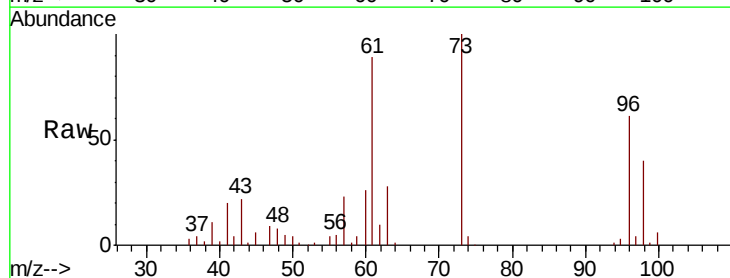


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

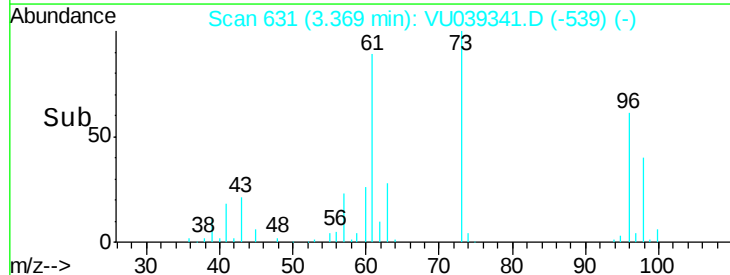
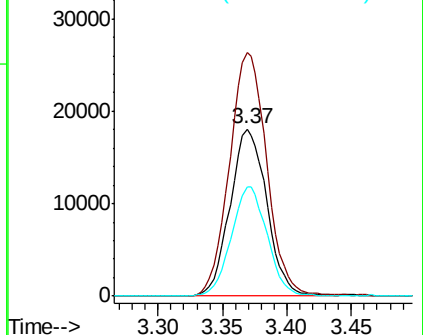


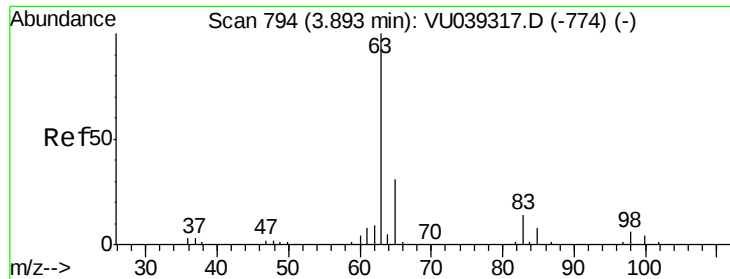
#18
trans-1,2-Dichloroethene
Concen: 4.381 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion: 96 Resp: 35797
Ion Ratio Lower Upper
96 100
61 145.8 102.1 189.5
98 65.7 42.5 78.9



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

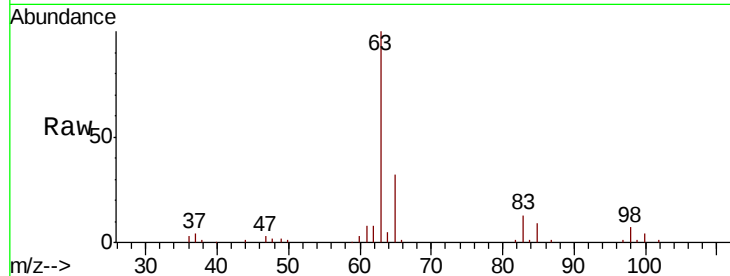




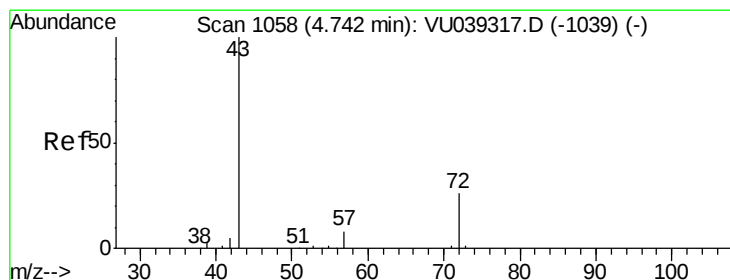
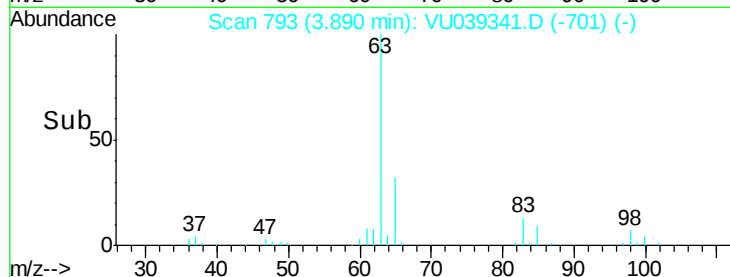
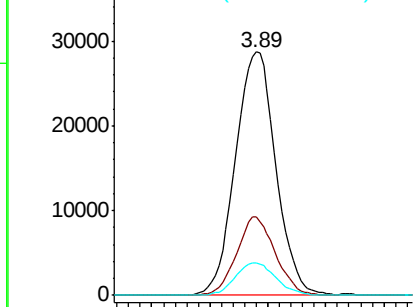
#19
 1,1-Dichloroethane
 Concen: 4.363 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 63 Resp: 69747
 Ion Ratio Lower Upper
 63 100
 65 33.0 23.0 42.6
 83 13.3 9.6 17.8

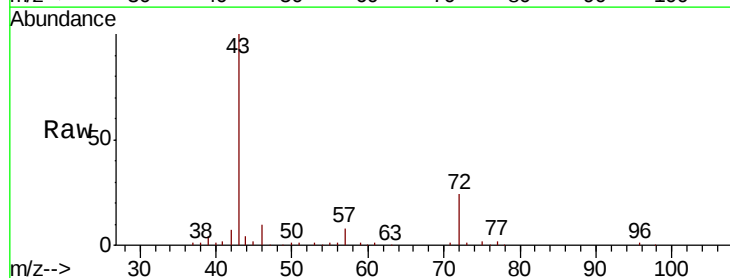


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

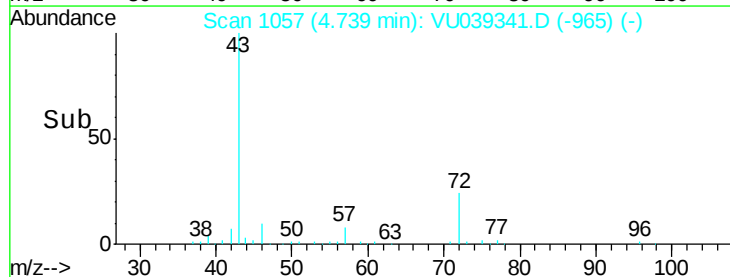
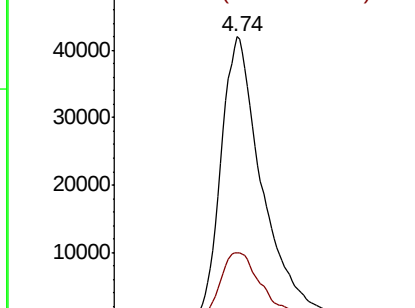


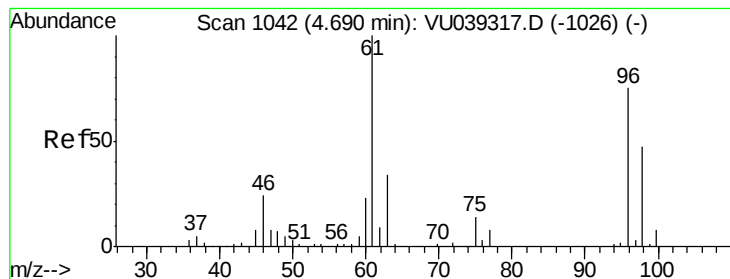
#21
 2-Butanone
 Concen: 45.257 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion: 43 Resp: 143493
 Ion Ratio Lower Upper
 43 100
 72 25.2 13.2 39.5



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





#22

cis-1,2-Dichloroethene

Concen: 4.390 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

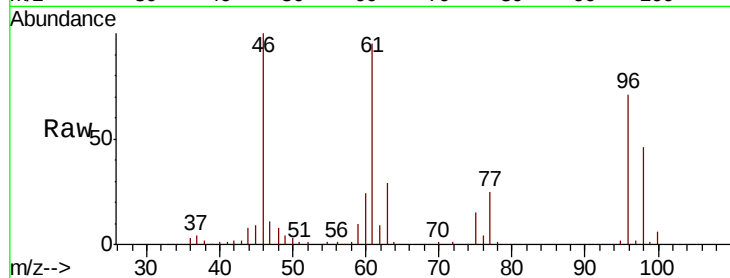
Tot Ion: 96 Resp: 40224

Ion Ratio Lower Upper

96 100

61 133.6 92.8 172.4

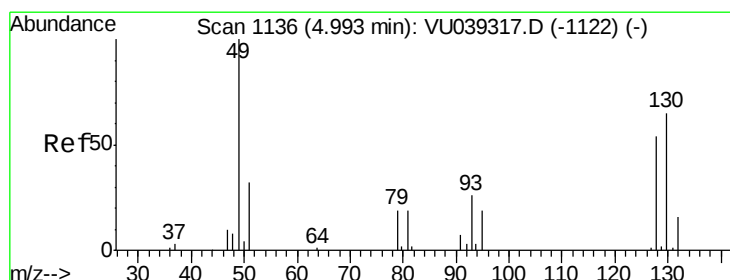
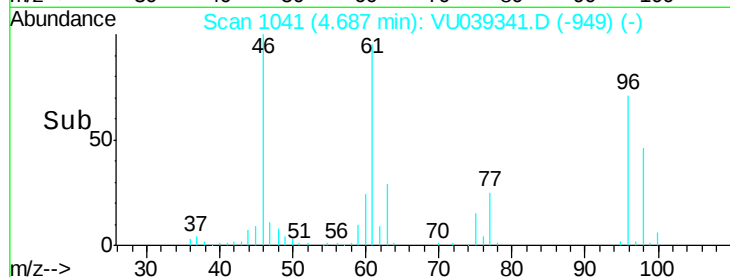
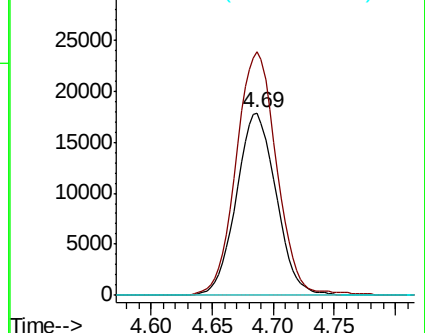
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039341.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU039341.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU039341.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.260 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Tgt Ion: 128 Resp: 17732

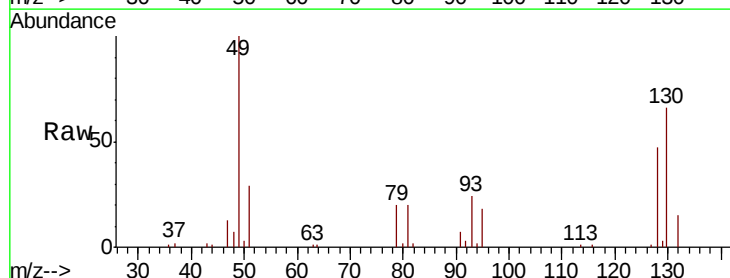
Ion Ratio Lower Upper

128 100

49 212.1 128.5 238.7

130 139.2 91.5 169.9

51 61.4 47.0 70.6

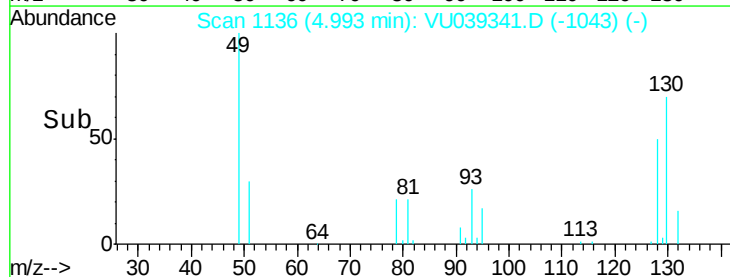
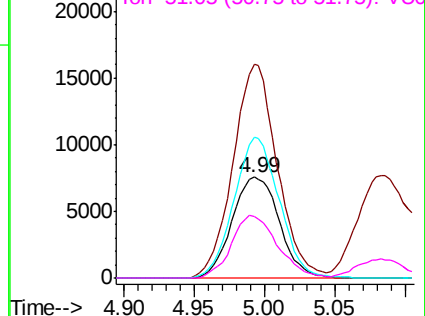


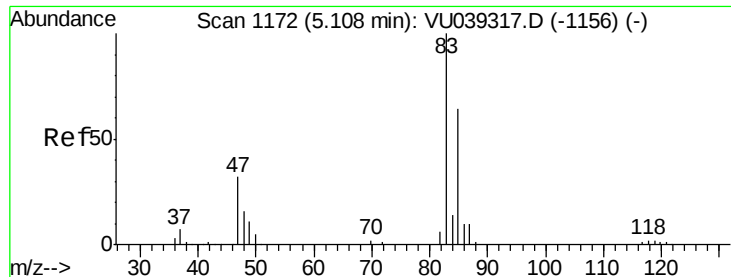
Abundance Ion 127.90 (127.60 to 128.60): VU039341.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039341.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039341.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039341.D (-1043) (-)

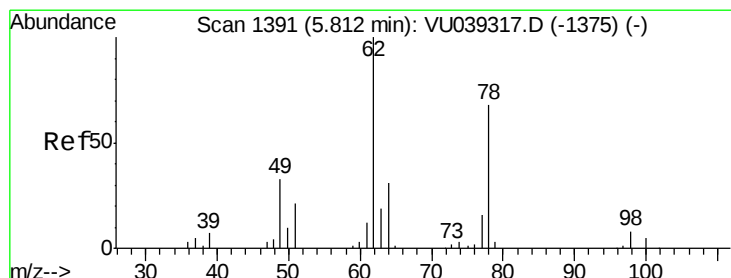
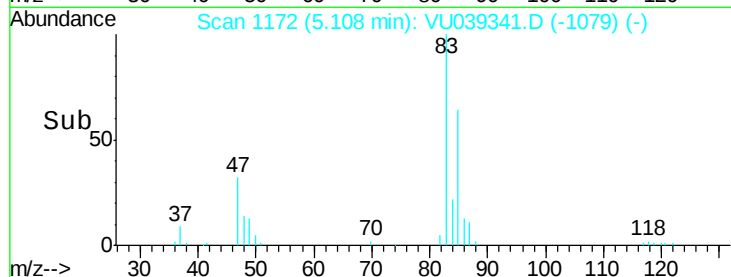
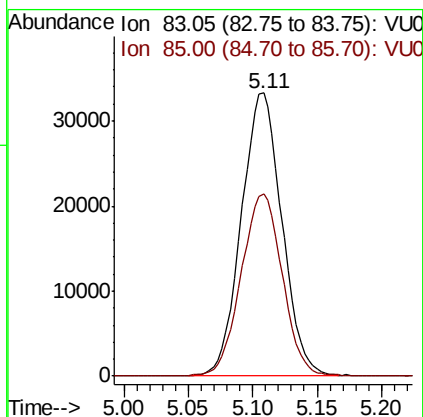
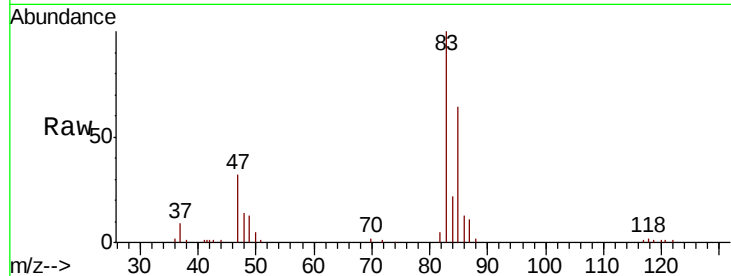




#25
Chloroform
Concen: 4.520 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

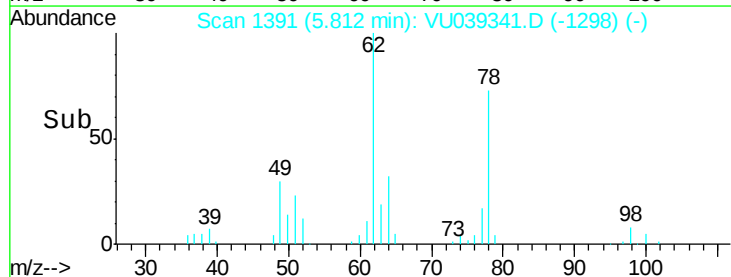
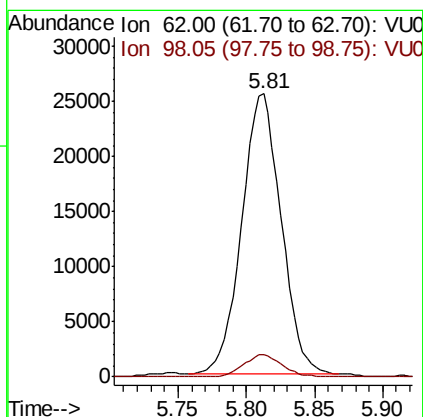
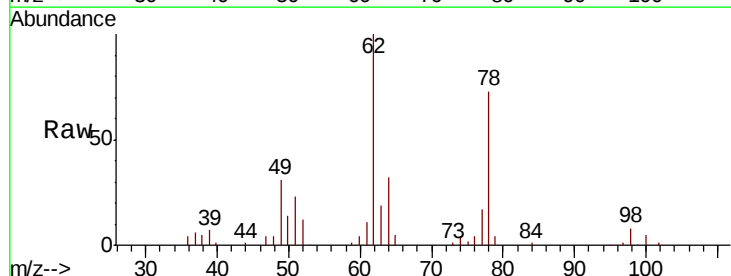
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

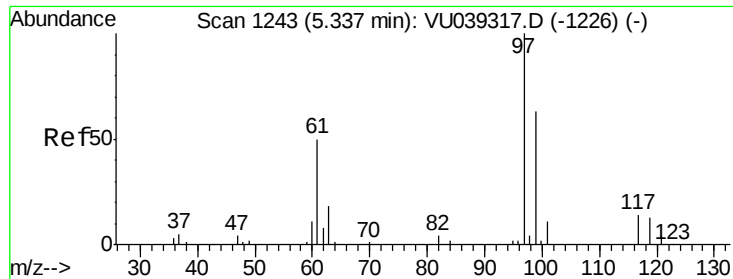
Tot Ion: 83 Resp: 72973
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.375 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion: 62 Resp: 51087
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

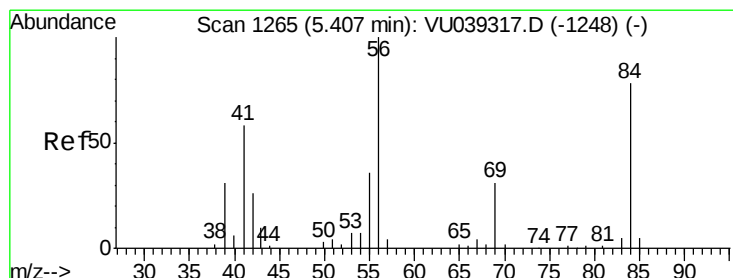
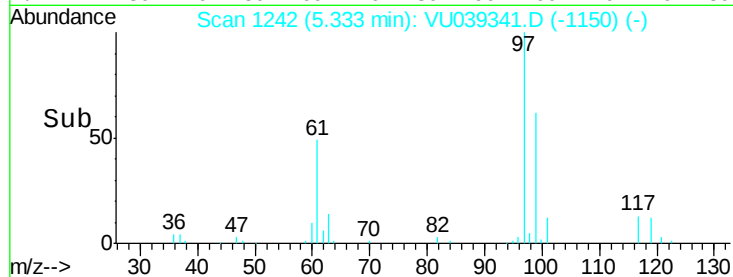
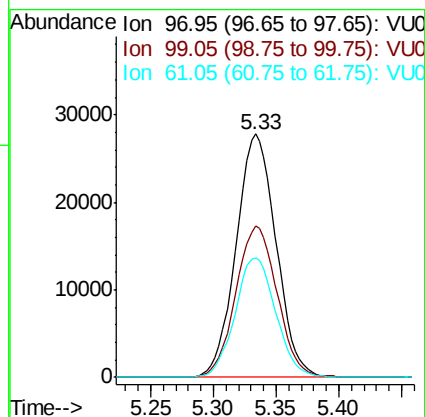
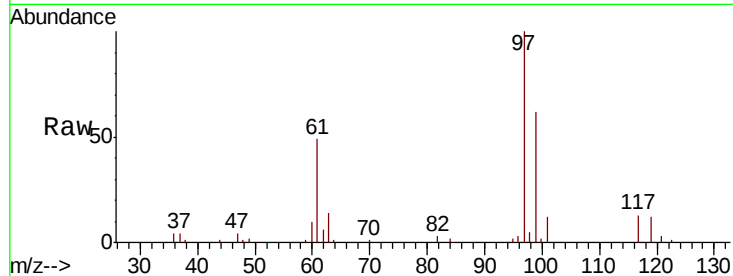




#29
 1,1,1-Trichloroethane
 Concen: 4.356 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

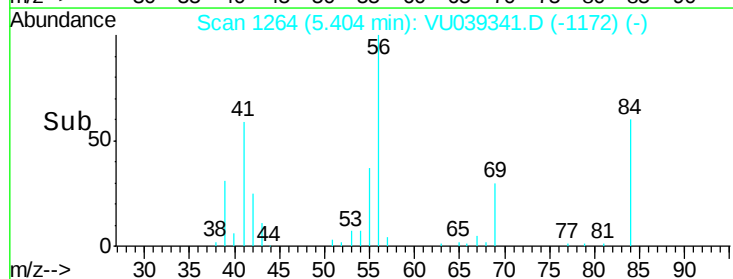
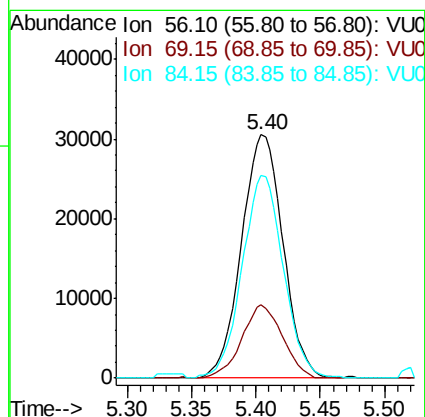
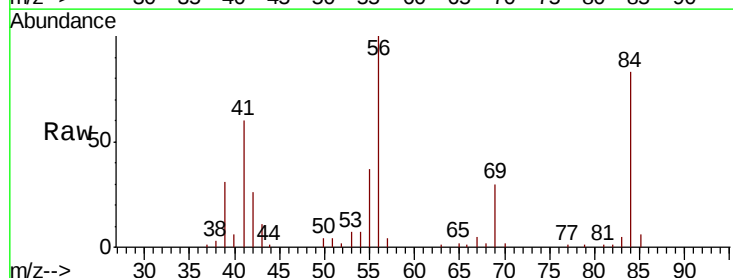
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

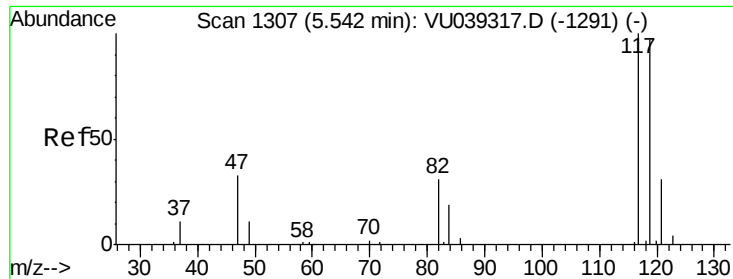
Tot Ion: 97 Resp: 61507
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.6 79.0
 61 50.2 37.9 56.9



#30
 Cyclohexane
 Concen: 4.607 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion: 56 Resp: 68494
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 82.8 67.0 100.6

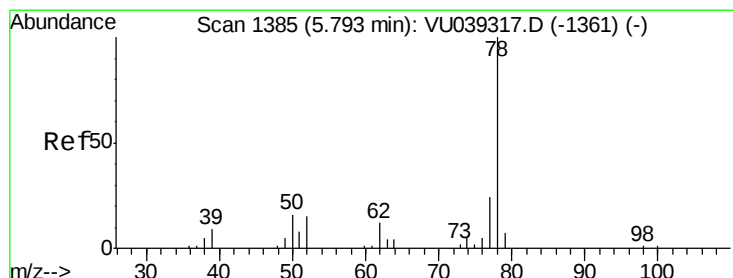
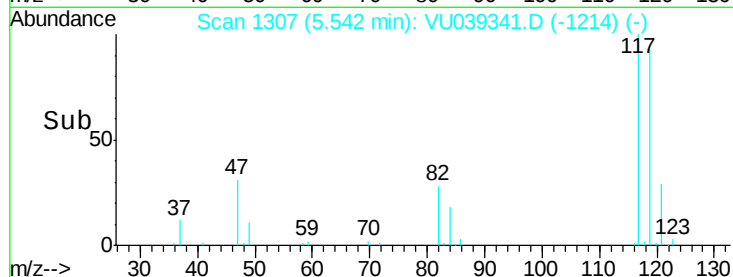
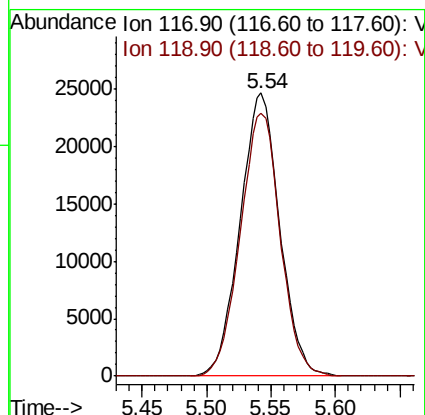
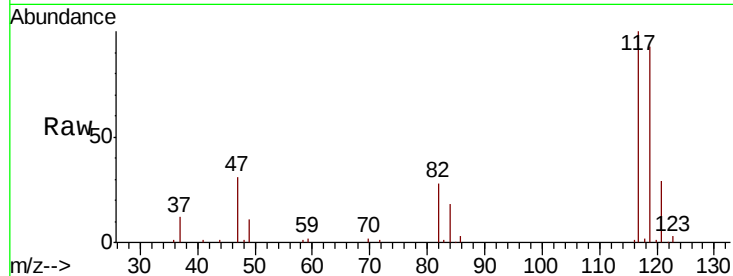




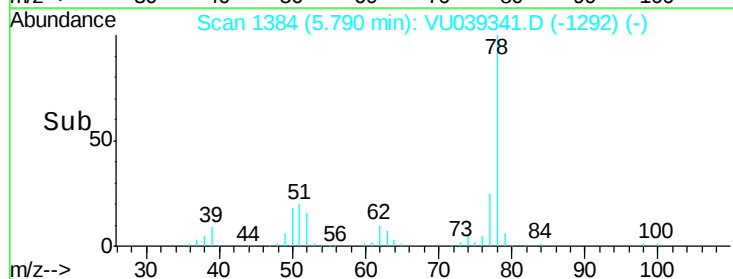
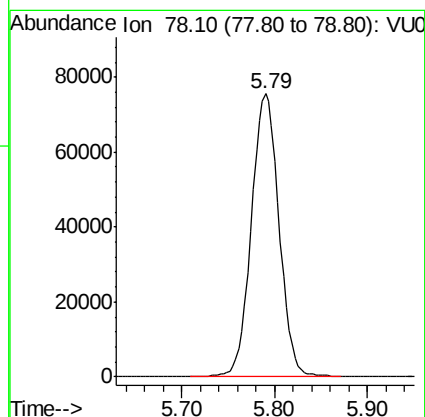
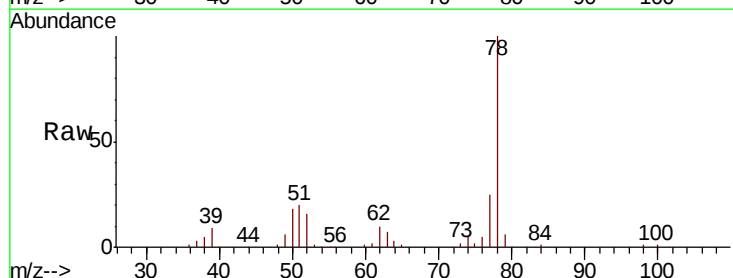
#31
Carbon tetrachloride
Concen: 4.359 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

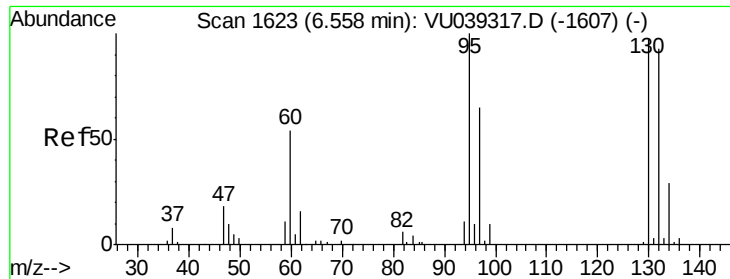
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:117 Resp: 52511
Ion Ratio Lower Upper
117 100
119 93.8 77.4 116.0



#33
Benzene
Concen: 4.358 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25
Tgt Ion: 78 Resp: 156192

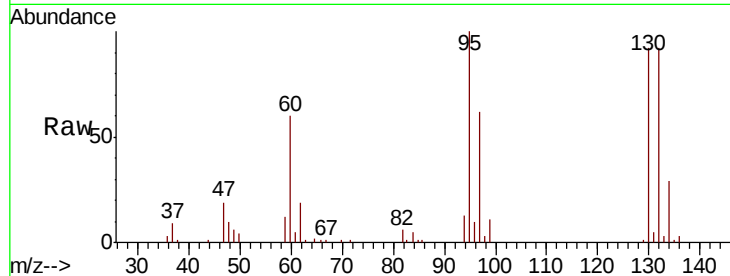




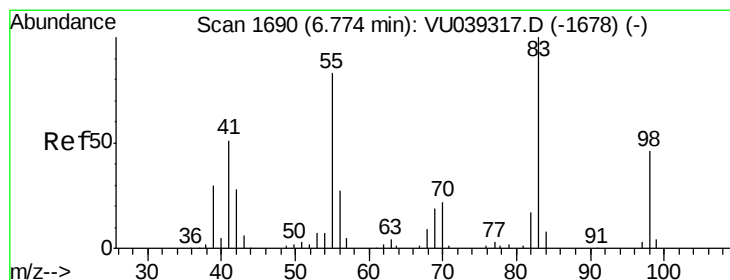
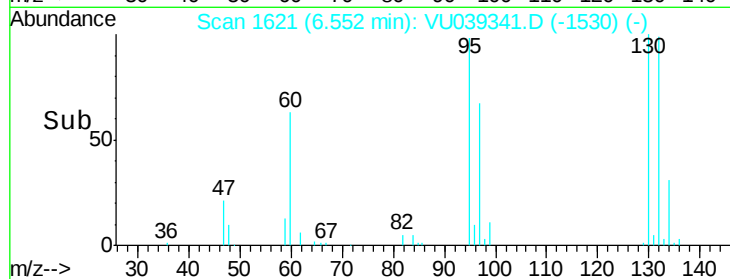
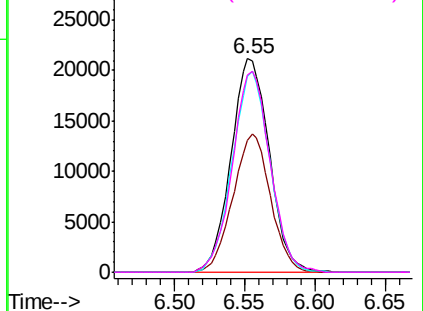
#34
 Trichloroethene
 Concen: 4.341 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 95 Resp: 40221
 Ion Ratio Lower Upper
 95 100
 97 61.8 46.3 85.9
 132 91.7 64.0 118.8
 130 92.4 64.3 119.5

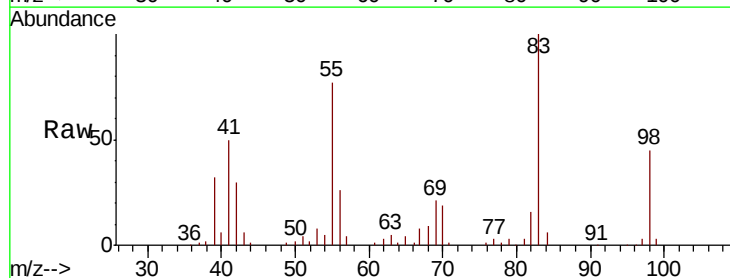


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

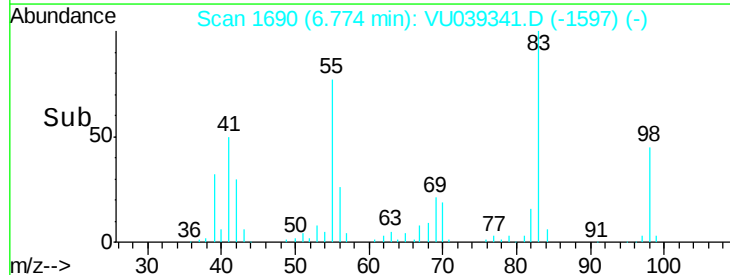
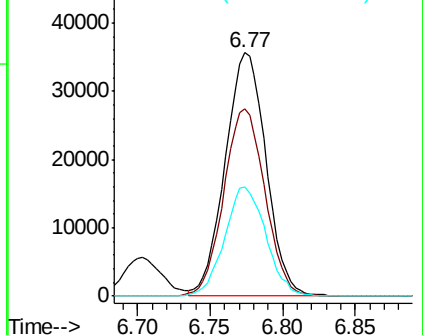


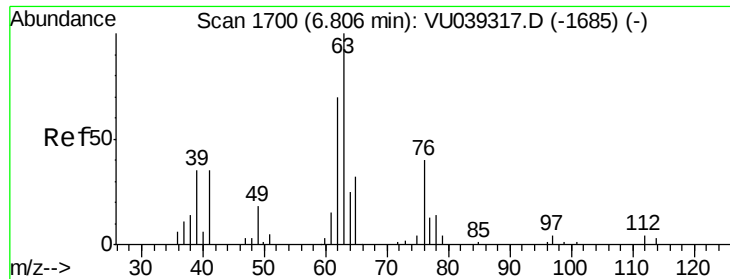
#35
 Methylcyclohexane
 Concen: 4.700 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion: 83 Resp: 69765
 Ion Ratio Lower Upper
 83 100
 55 77.6 62.1 93.1
 98 45.0 35.9 53.9



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

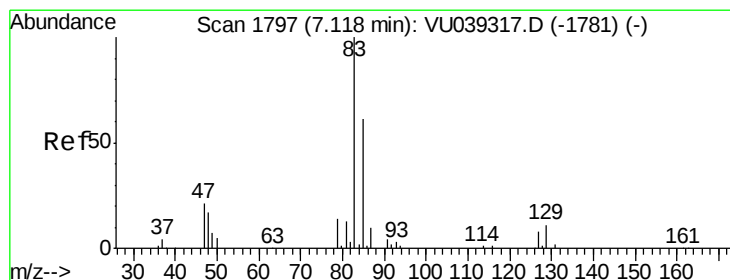
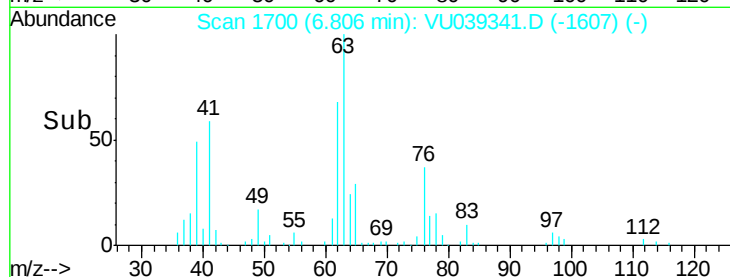
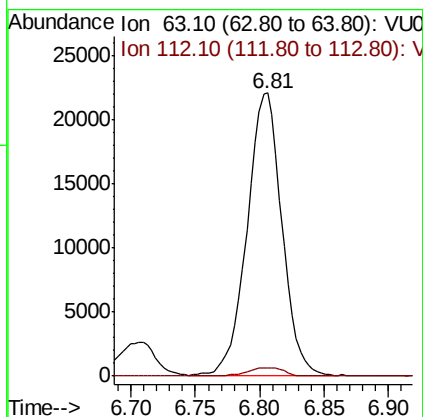
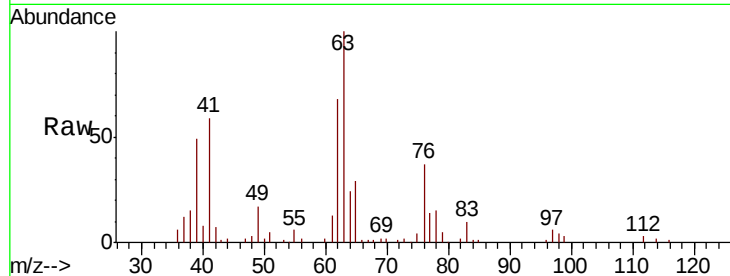




#37
 1,2-Dichloropropane
 Concen: 4.277 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

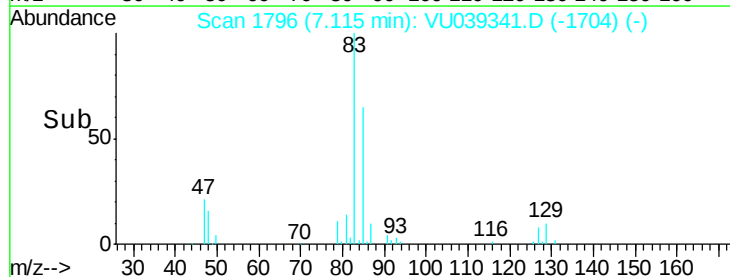
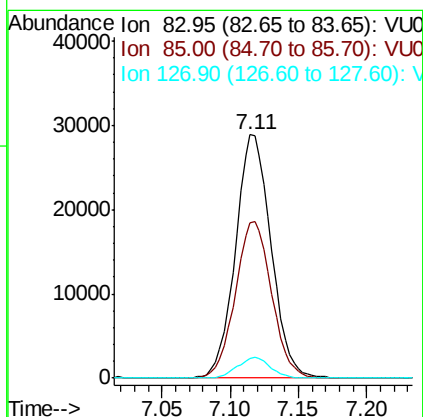
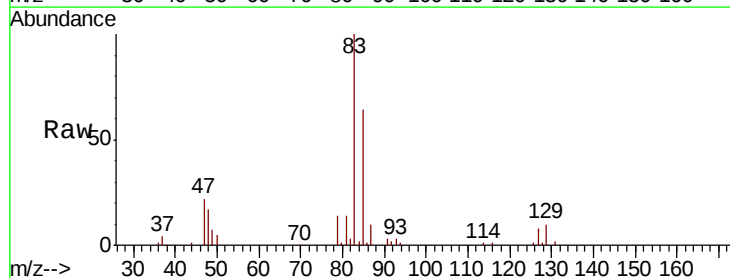
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

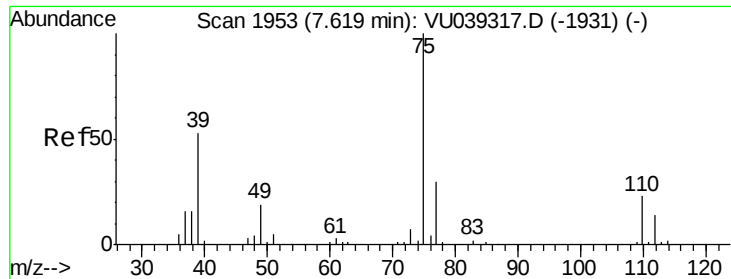
Tot Ion: 63 Resp: 41788
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.187 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion: 83 Resp: 52239
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.0 81.6
 127 8.1 6.2 9.4

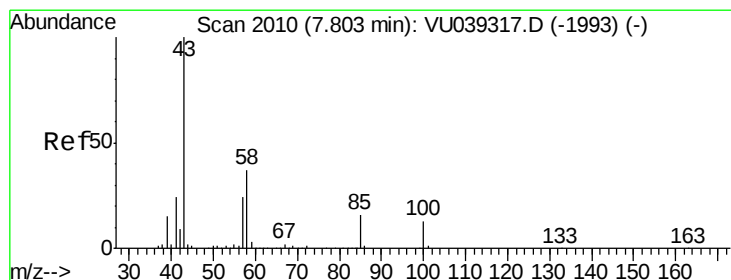
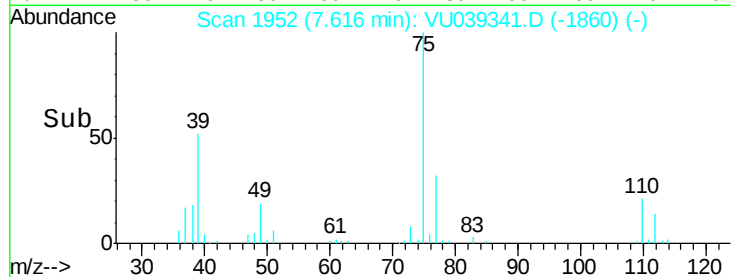
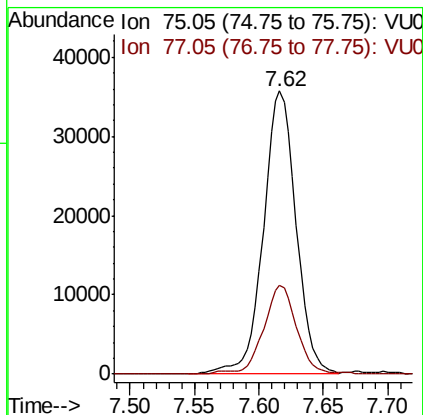
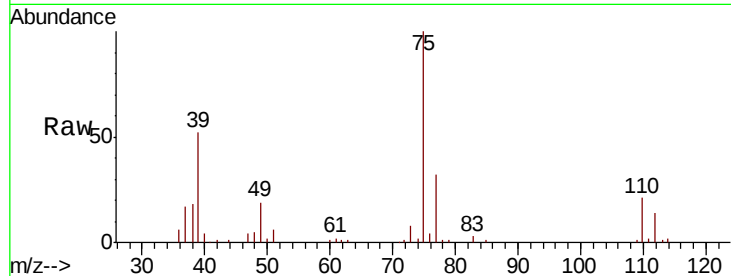




#39
 cis-1,3-Dichloropropene
 Concen: 4.280 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

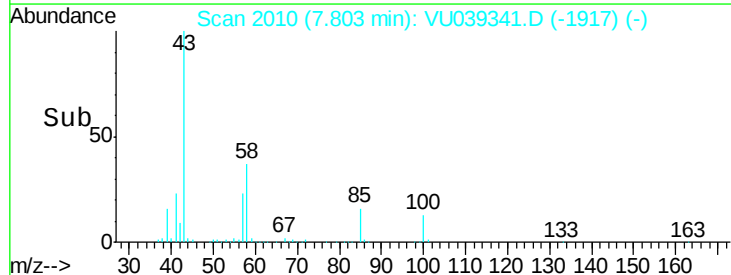
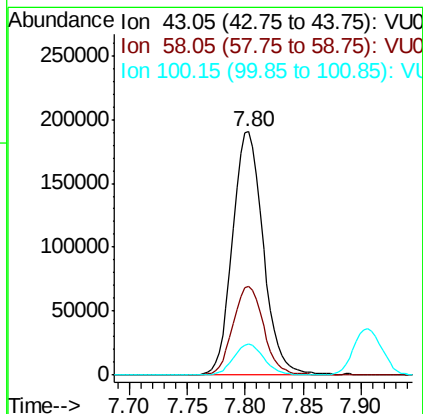
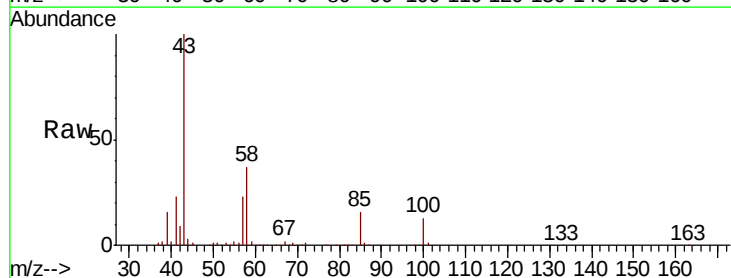
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

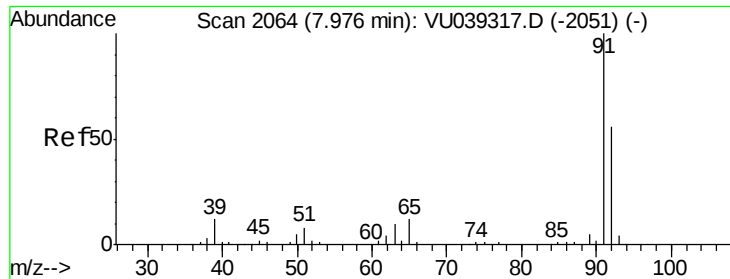
Tot Ion: 75 Resp: 63209
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 42.993 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion: 43 Resp: 350435
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.5 45.7
 100 12.7 10.3 15.5





#42

Toluene

Concen: 4.344 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

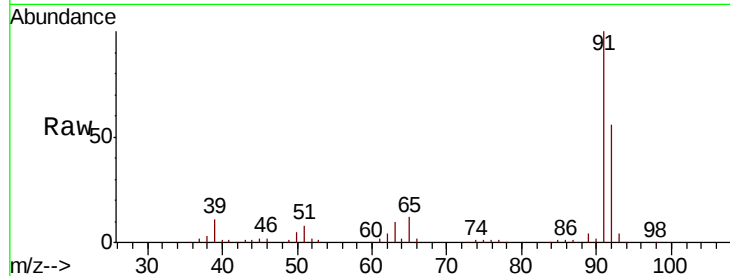
VSTD00508

Tot Ion: 91 Resp: 166719

Ion Ratio Lower Upper

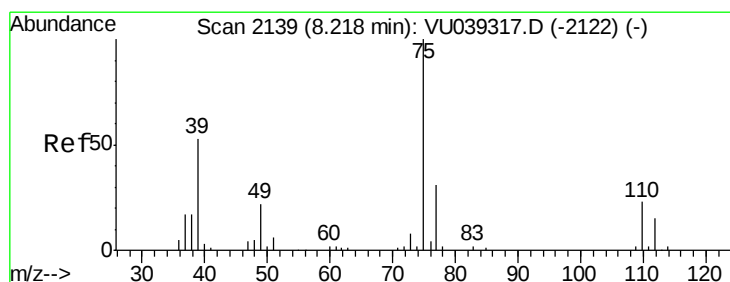
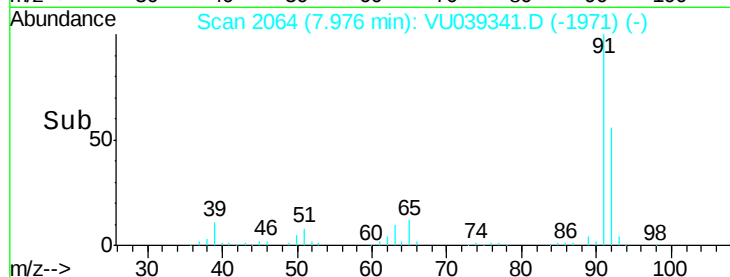
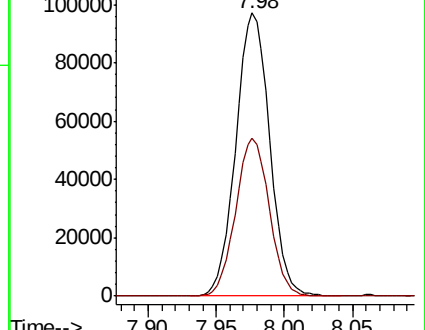
91 100

92 55.8 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039341.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039341.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.356 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039341.D

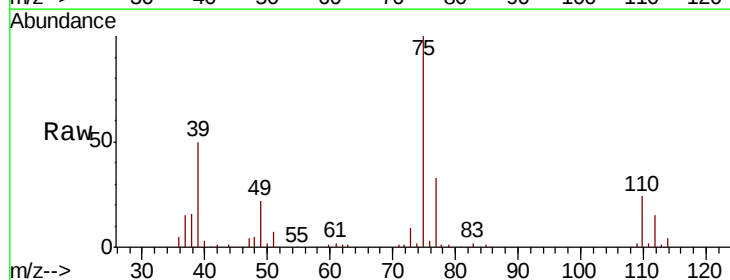
Acq: 08 Jul 2020 10:25

Tgt Ion: 75 Resp: 57077

Ion Ratio Lower Upper

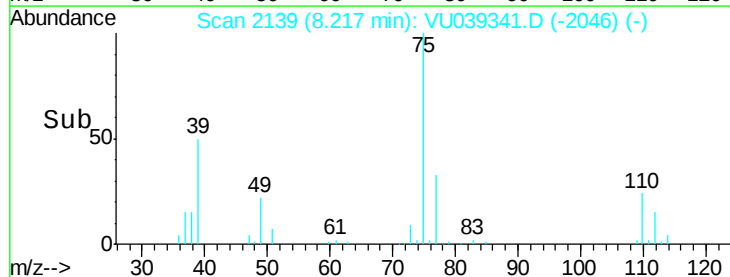
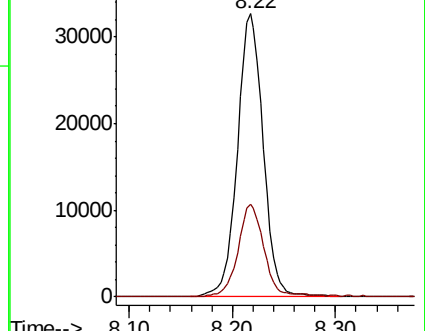
75 100

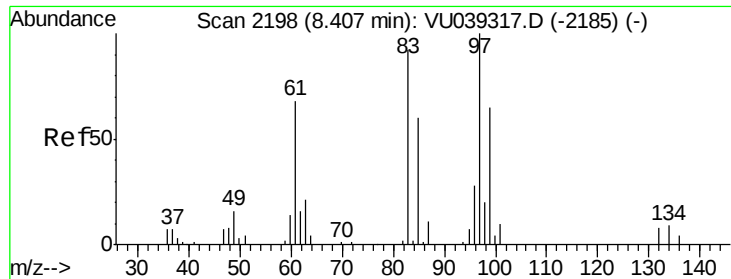
77 32.8 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039341.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039341.D (-2046) (-)

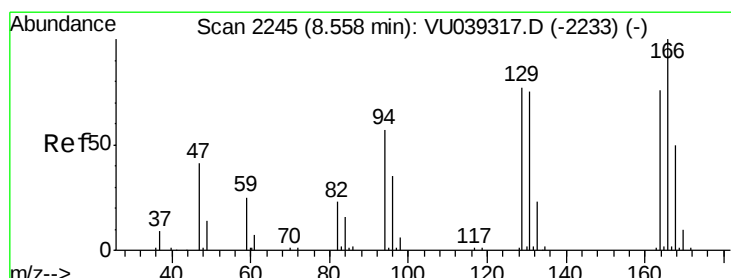
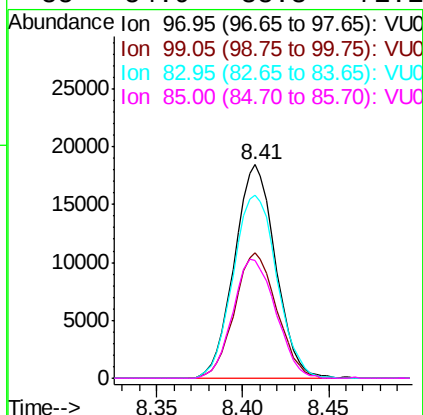
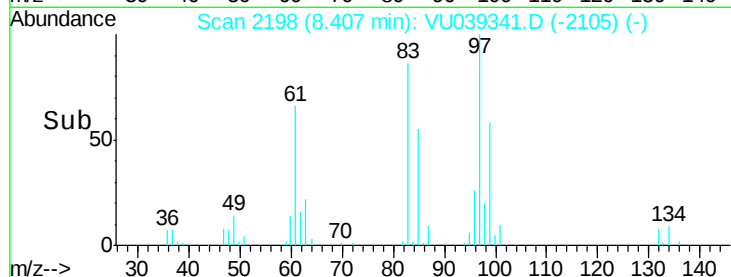
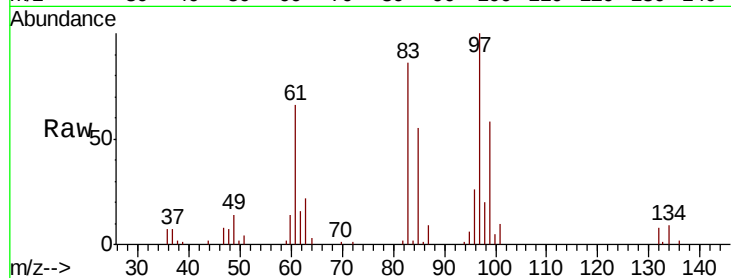




#45
 1,1,2-Trichloroethane
 Concen: 4.371 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

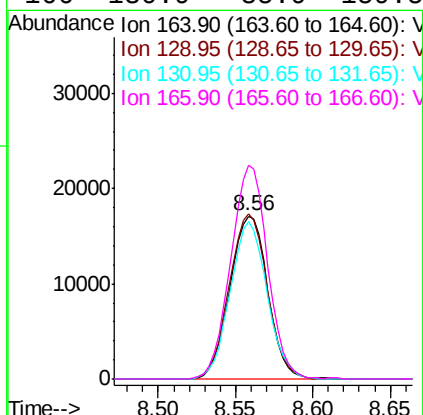
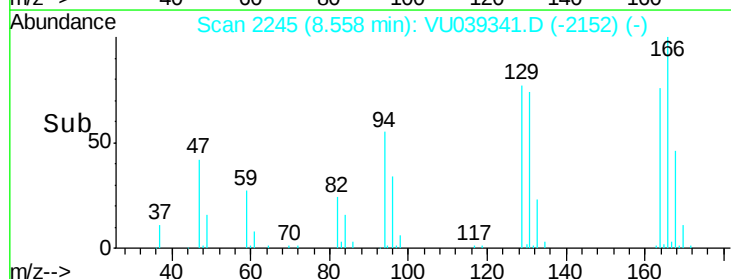
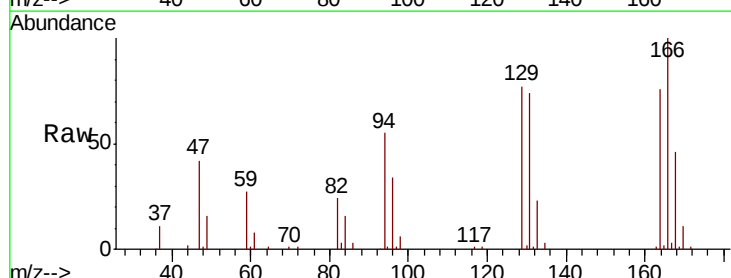
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

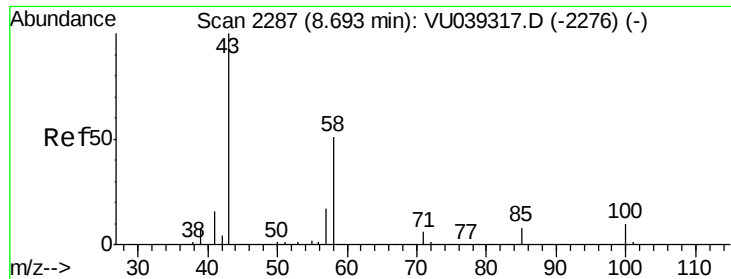
Tot Ion:	97	Resp:	30678
Ion	Ratio	Lower	Upper
97	100		
99	58.4	40.7	75.7
83	85.7	60.6	112.6
85	54.9	38.3	71.1



#47
 Tetrachloroethene
 Concen: 4.514 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion:	164	Resp:	29098
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.6	127.4
131	96.6	66.4	123.4
166	130.9	85.9	159.5

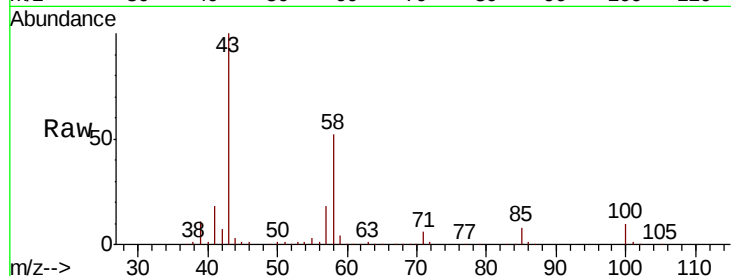




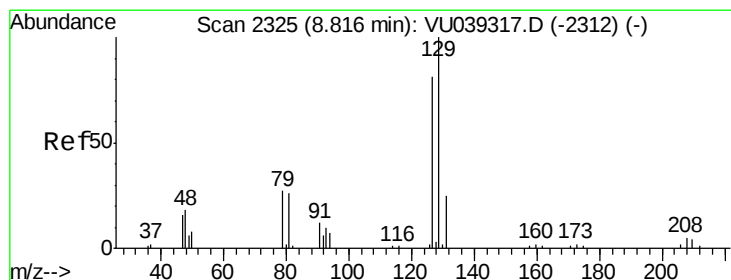
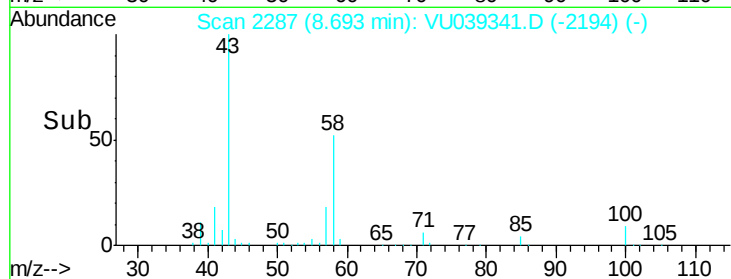
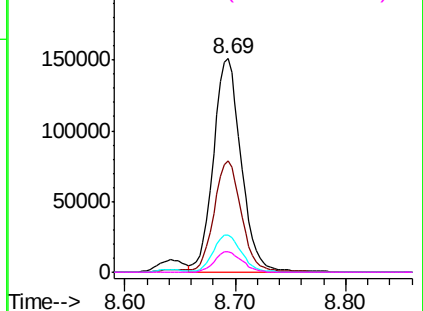
#48
2-Hexanone
Concen: 43.757 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 43 Resp: 262979
Ion Ratio Lower Upper
43 100
58 51.2 42.0 63.0
57 17.9 14.0 21.0
100 9.5 8.2 12.2

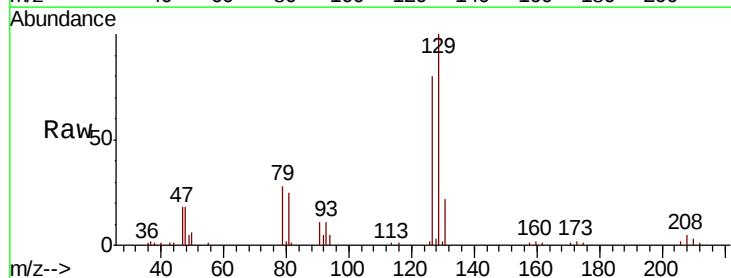


Abundance Ion 43.05 (42.75 to 43.75): VU039341.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039341.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039341.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039341.D (-2194) (-)

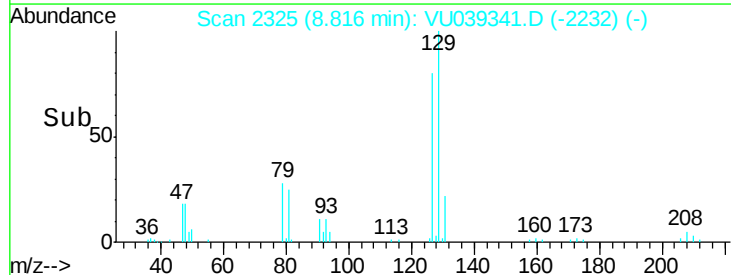
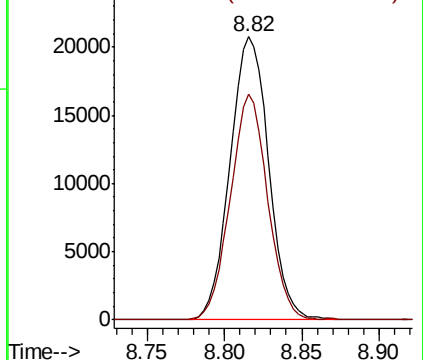


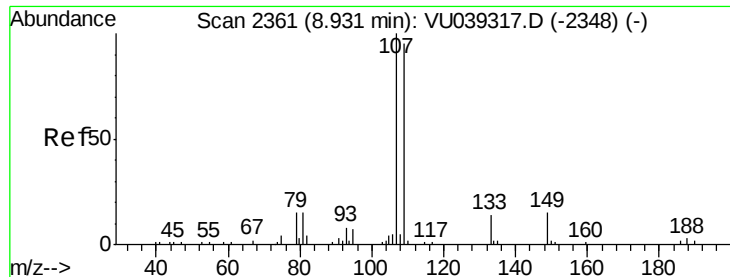
#49
Dibromochloromethane
Concen: 4.229 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion: 129 Resp: 35952
Ion Ratio Lower Upper
129 100
127 79.9 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VU039341.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039341.D (-2232) (-)

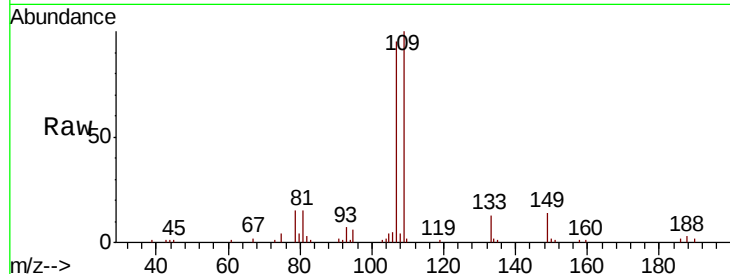




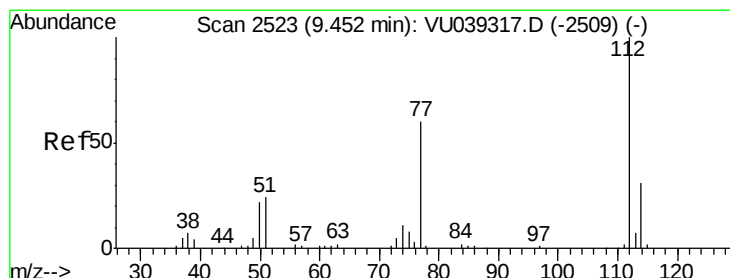
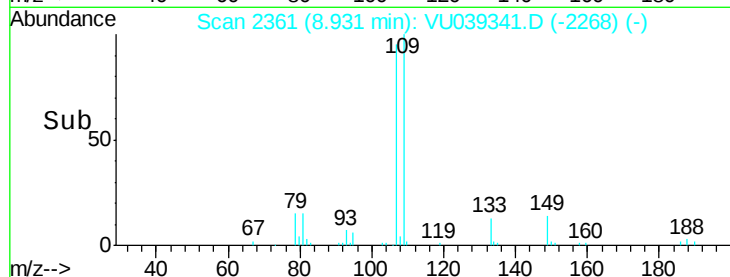
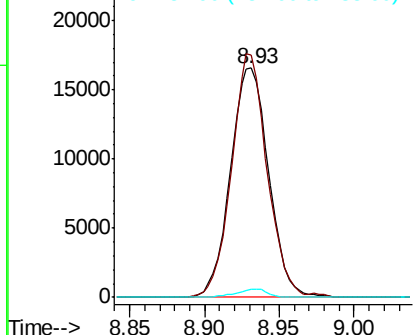
#50
1,2-Dibromoethane
Concen: 4.130 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:107 Resp: 29446
Ion Ratio Lower Upper
107 100
109 105.8 64.0 118.8
188 3.5 2.6 3.8

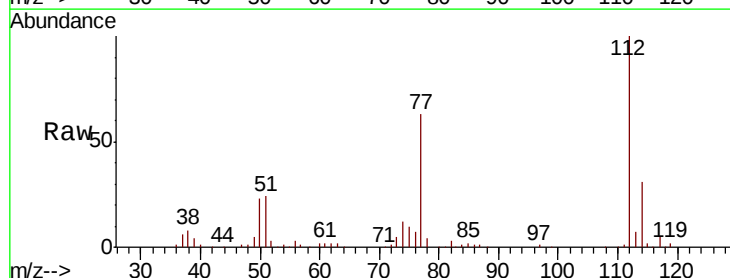


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

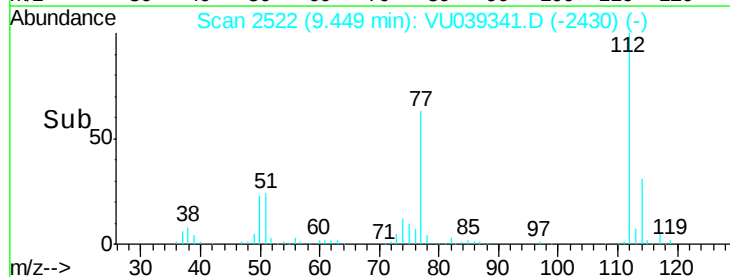
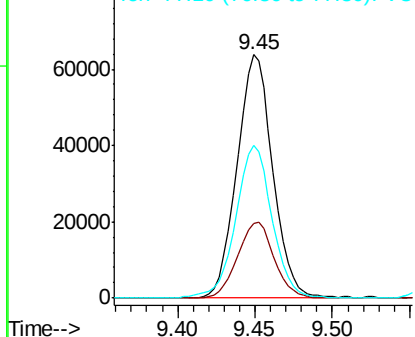


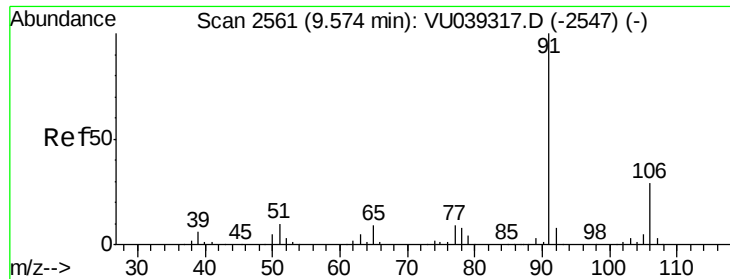
#51
Chlorobenzene
Concen: 4.361 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion:112 Resp: 102281
Ion Ratio Lower Upper
112 100
114 30.8 22.1 41.1
77 62.7 49.9 74.9



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

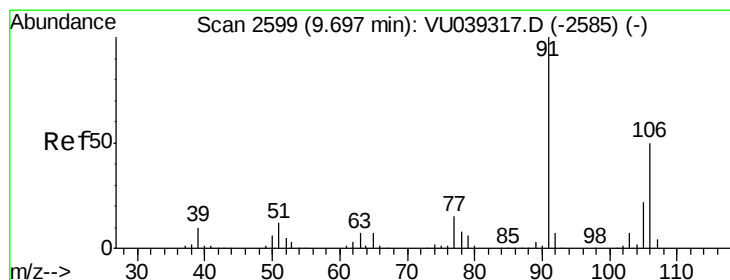
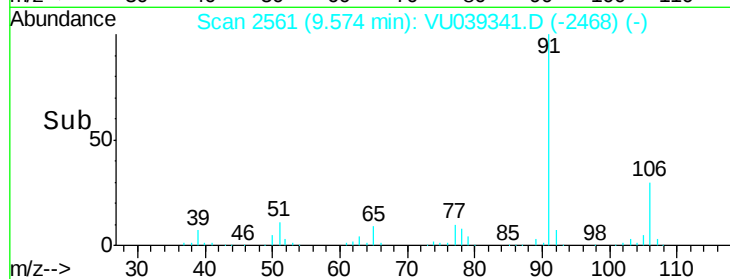
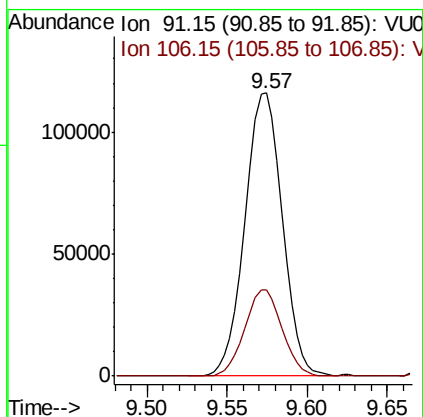
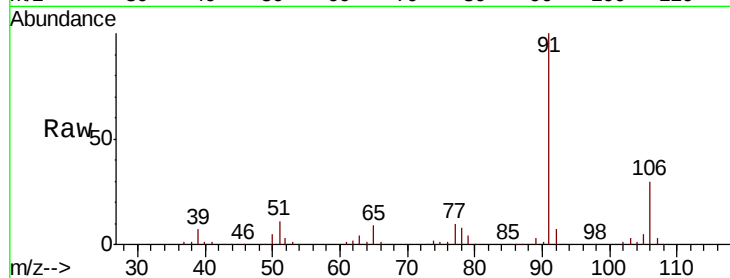




#52
Ethylbenzene
Concen: 4.361 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

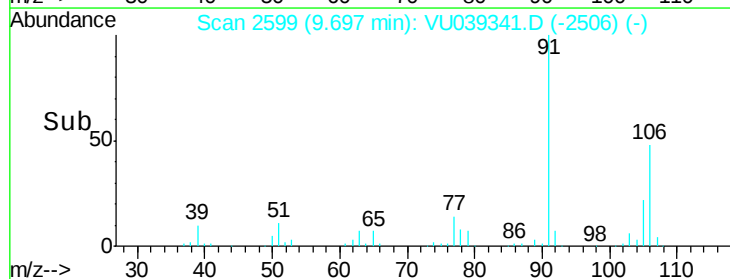
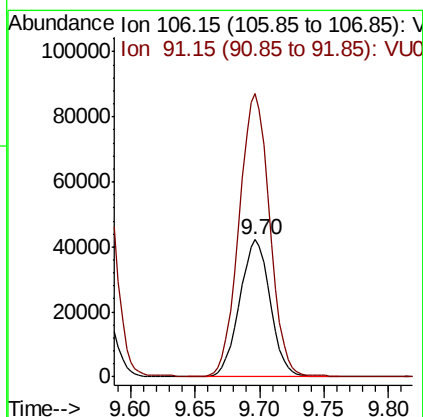
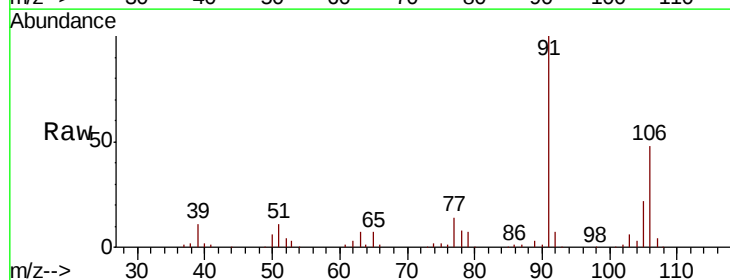
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

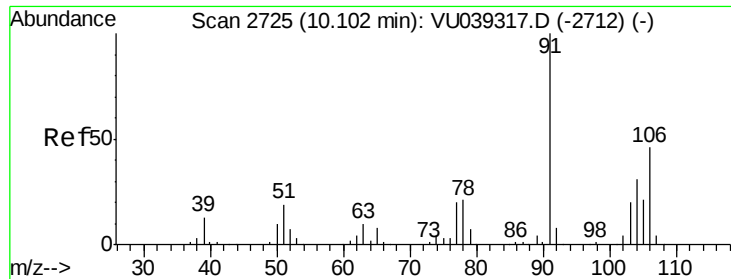
Tot Ion: 91 Resp: 184969
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 4.370 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion: 106 Resp: 69839
Ion Ratio Lower Upper
106 100
91 206.2 144.0 267.4

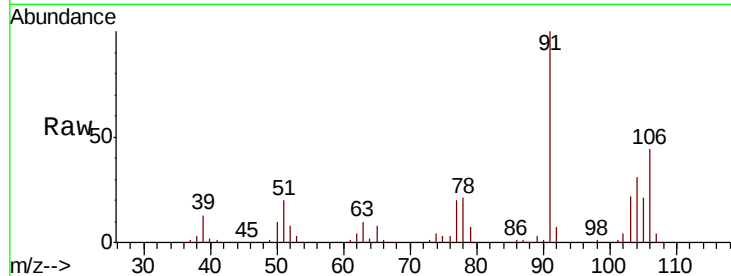




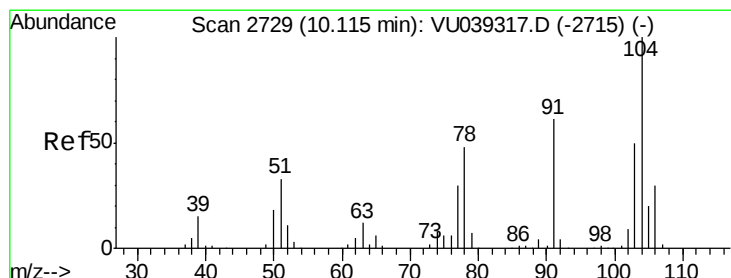
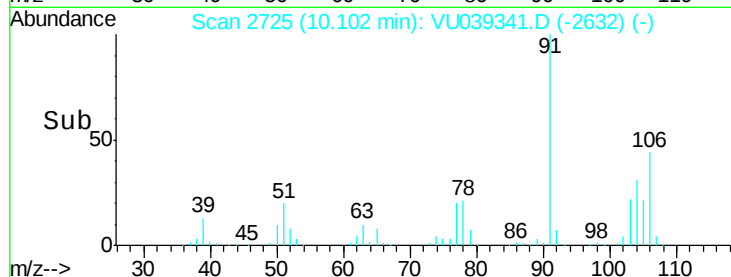
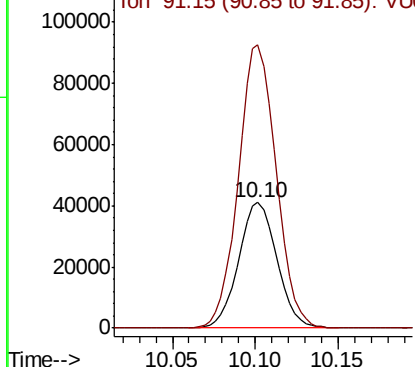
#54
o-Xylene
Concen: 4.248 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 66102
Ion Ratio Lower Upper
106 100
91 225.7 154.6 287.2

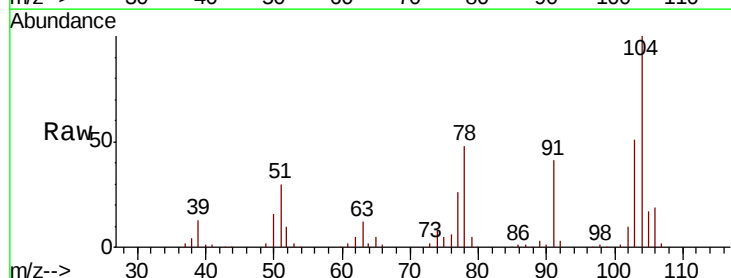


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

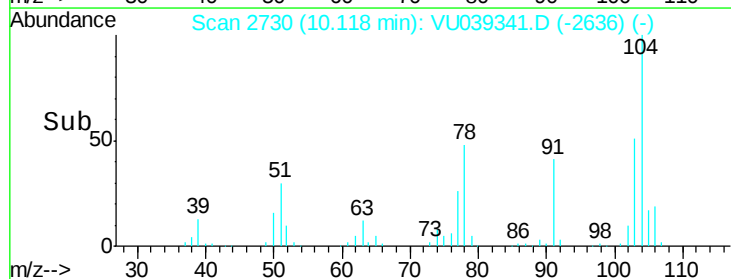
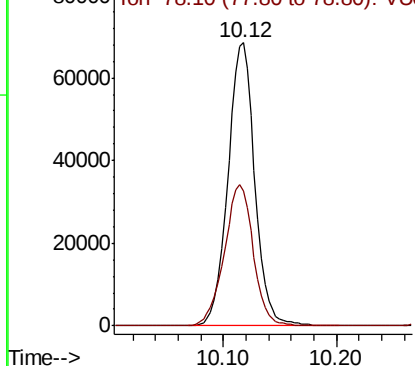


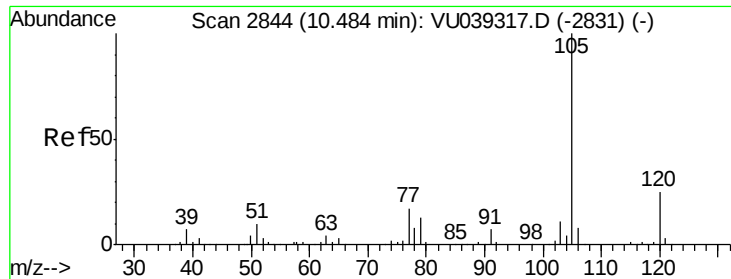
#55
Styrene
Concen: 4.164 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039341.D
Acq: 08 Jul 2020 10:25

Tgt Ion:104 Resp: 112742
Ion Ratio Lower Upper
104 100
78 47.7 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.236 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

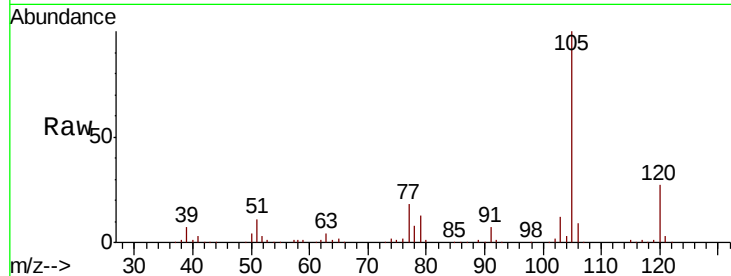
Tot Ion:105 Resp: 178233

Ion Ratio Lower Upper

105 100

120 26.8 20.7 31.1

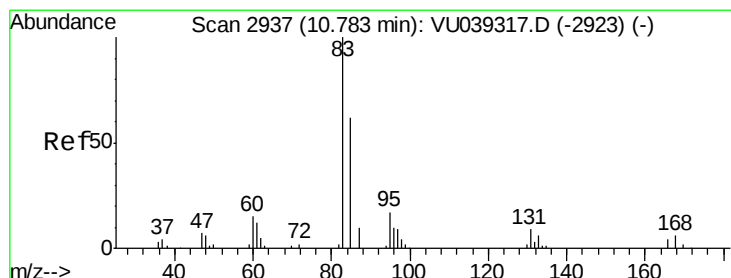
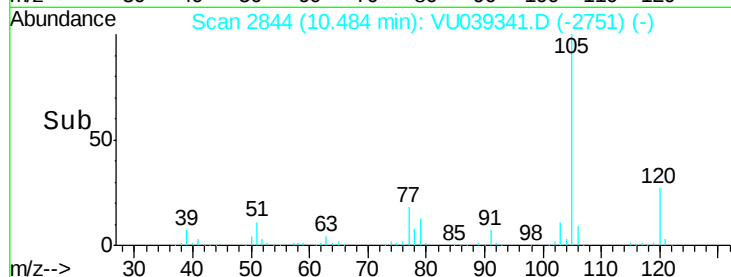
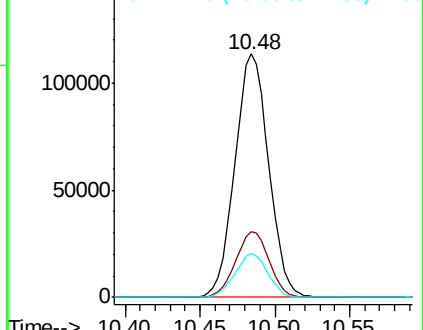
77 17.6 13.9 20.9



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: 4.127 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

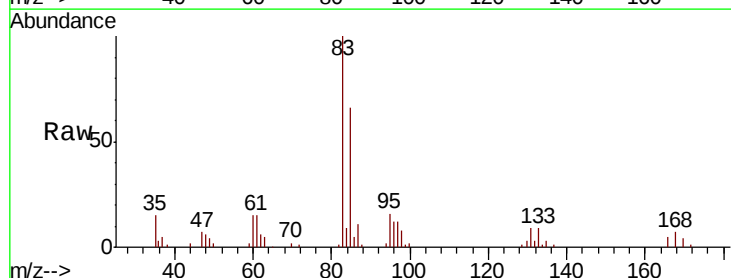
Tgt Ion: 83 Resp: 40319

Ion Ratio Lower Upper

83 100

85 65.6 46.1 85.7

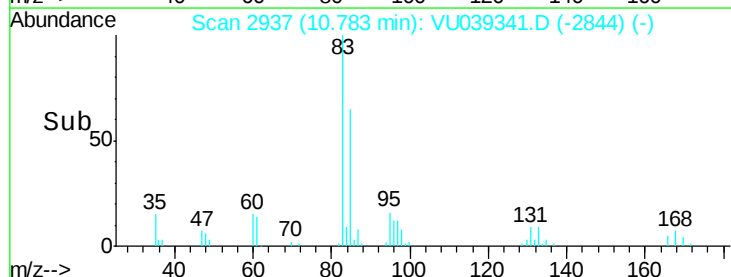
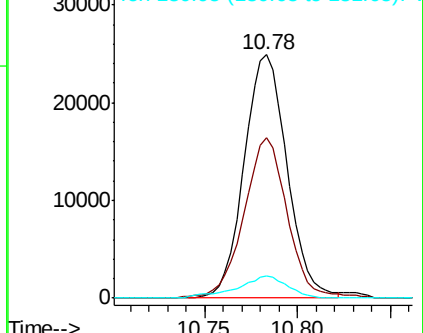
131 8.9 7.4 11.0

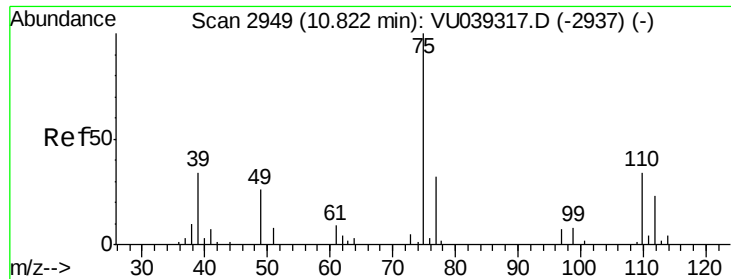


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.287 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

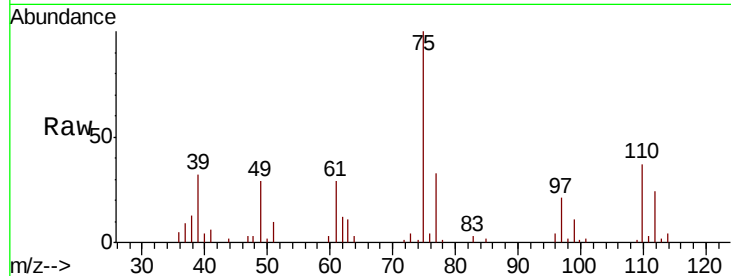
VSTD00508

Tot Ion: 75 Resp: 30874

Ion Ratio Lower Upper

75 100

77 32.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039317.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039317.D (-2937) (-)

10.82

20000

15000

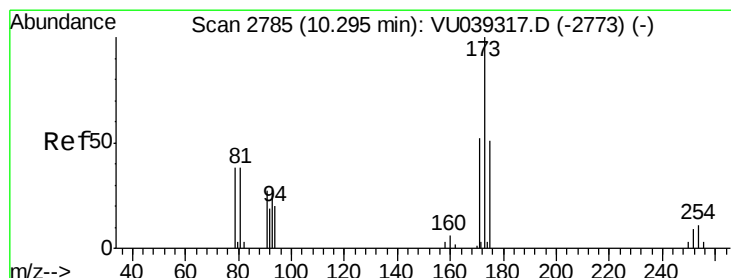
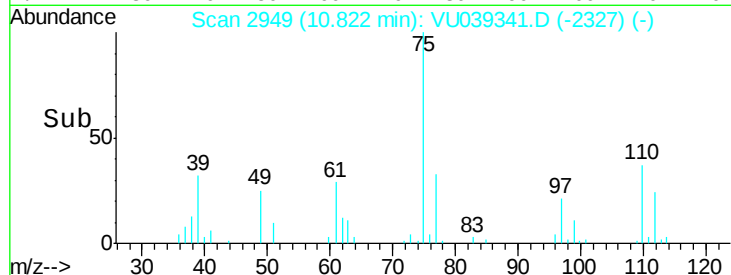
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.337 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

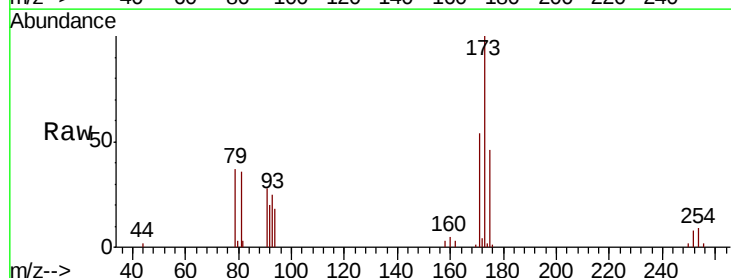
Tgt Ion: 173 Resp: 21095

Ion Ratio Lower Upper

173 100

175 48.2 37.5 56.3

254 9.0 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039317.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039317.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039317.D (-2773) (-)

10.29

15000

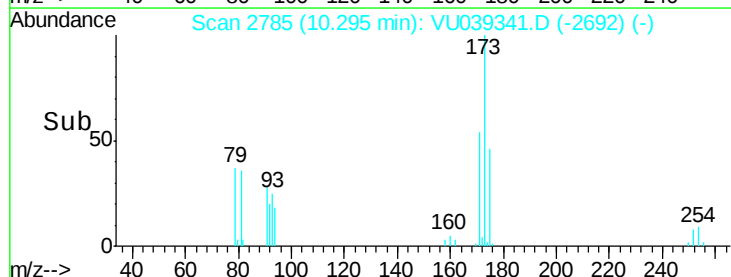
10000

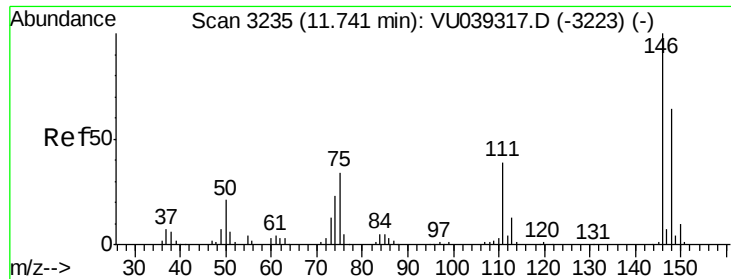
5000

0

Time-->

10.25 10.30 10.35

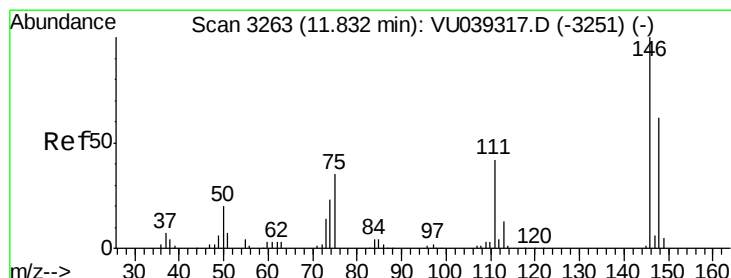
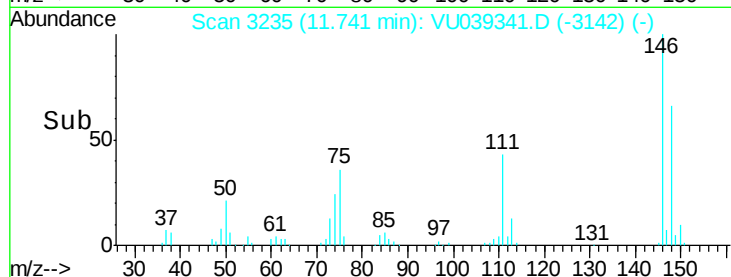
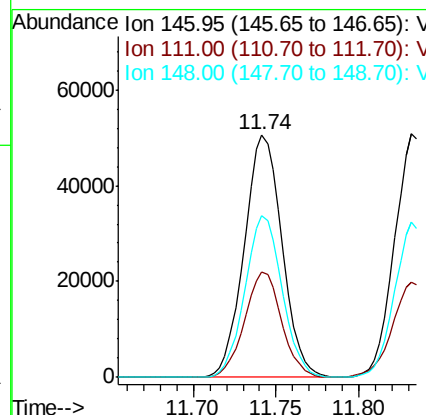
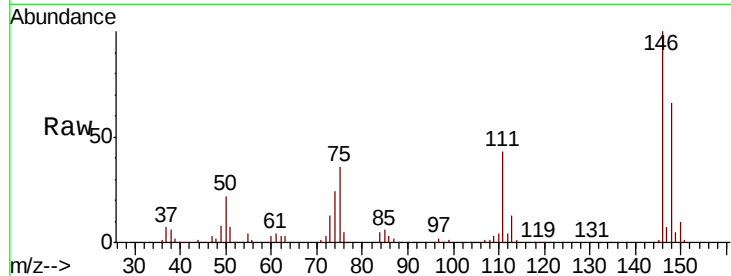




#62
 1,3-Dichlorobenzene
 Concen: 4.440 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

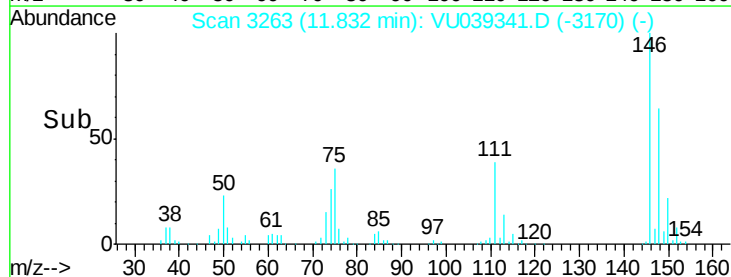
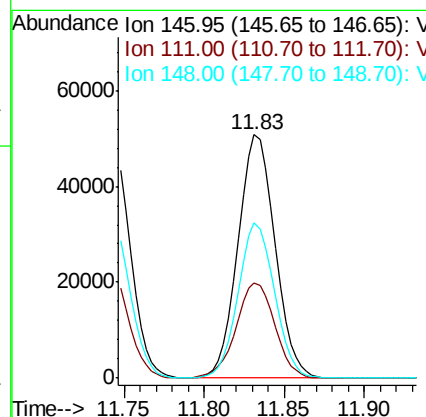
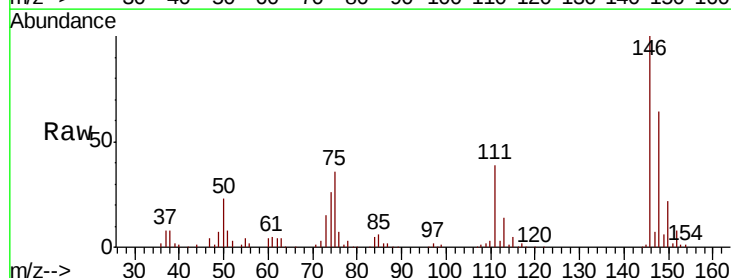
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

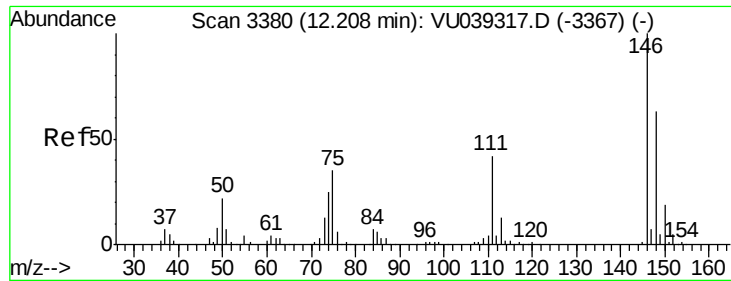
Tot Ion:146 Resp: 80302
 Ion Ratio Lower Upper
 146 100
 111 43.2 29.0 53.8
 148 66.5 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.409 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion:146 Resp: 79992
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.6 53.0
 148 63.5 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.331 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

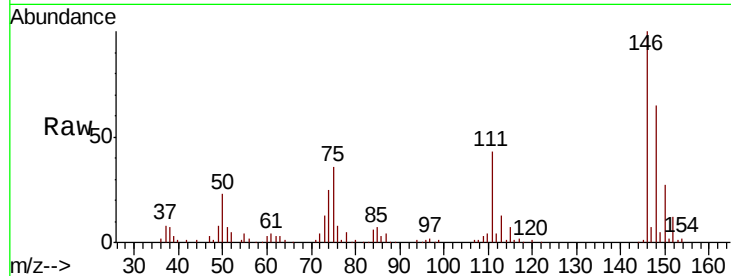
Tot Ion:146 Resp: 78514

Ion Ratio Lower Upper

146 100

111 42.6 35.0 52.4

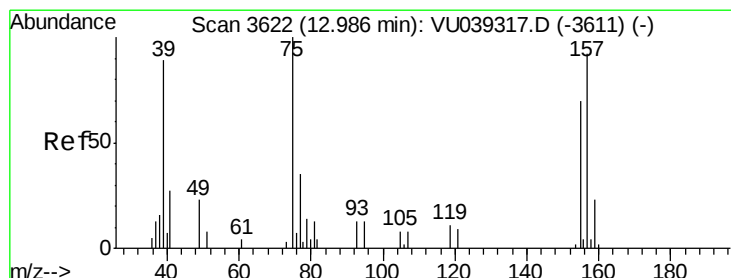
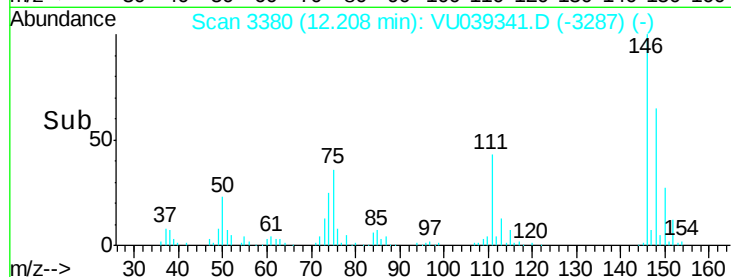
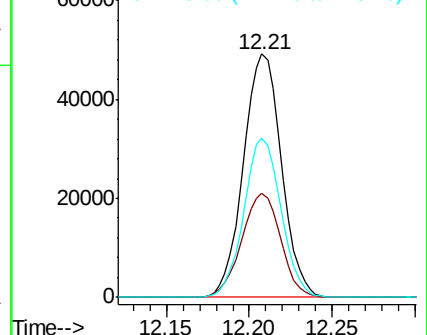
148 65.3 50.6 75.8



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: 4.304 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

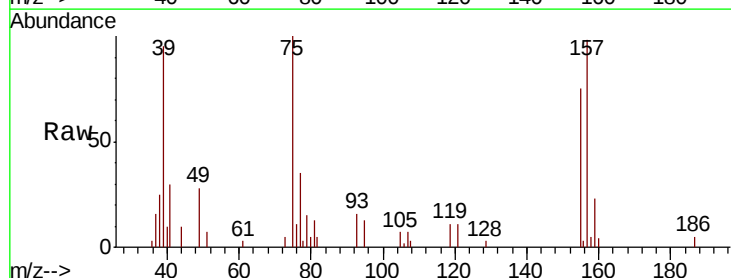
Tgt Ion: 75 Resp: 6893

Ion Ratio Lower Upper

75 100

155 74.8 51.9 77.9

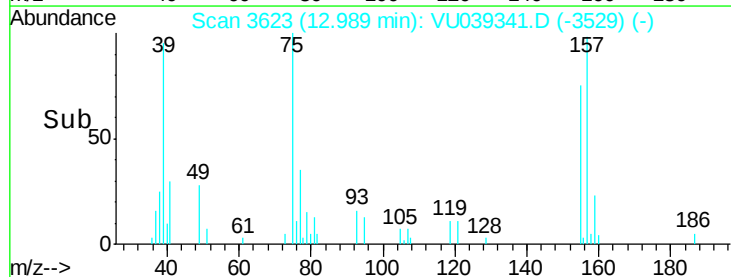
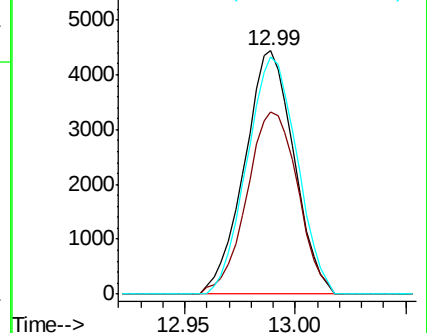
157 97.6 63.2 94.8#

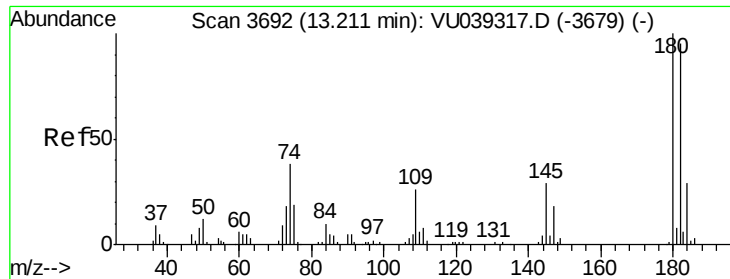


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

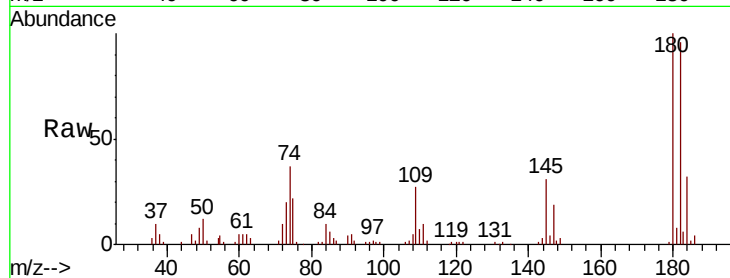




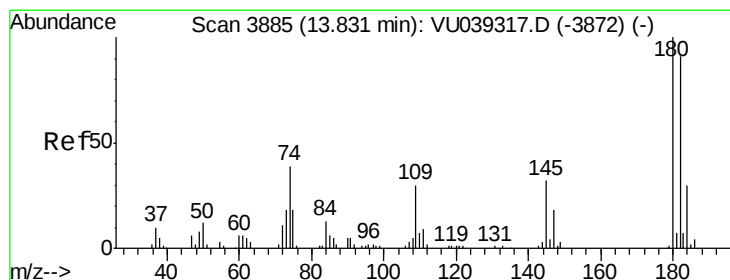
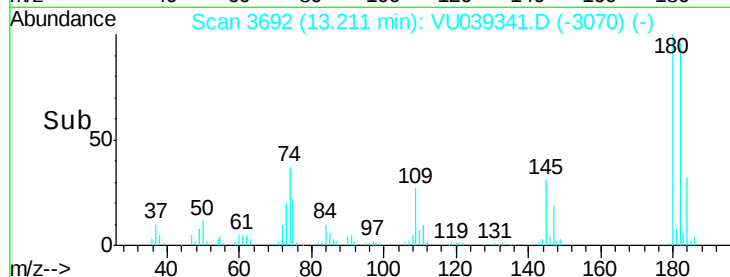
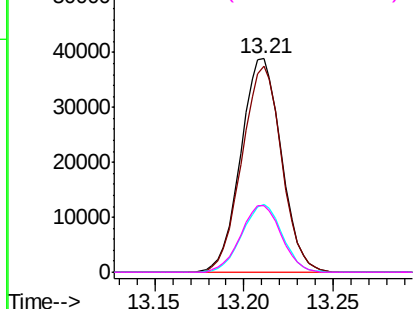
#67
 1,3,5-Trichlorobenzene
 Concen: 4.543 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:180 Resp: 61483
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.2 114.4
 184 31.7 24.2 36.4
 145 31.5 24.2 36.2

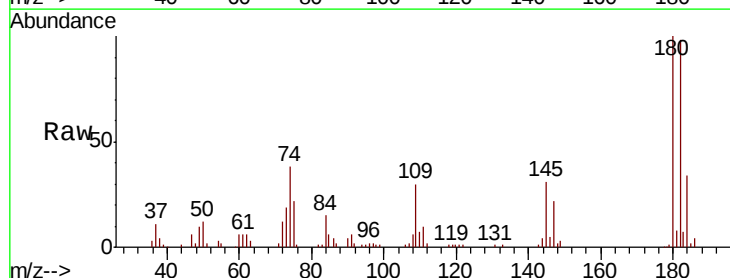


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

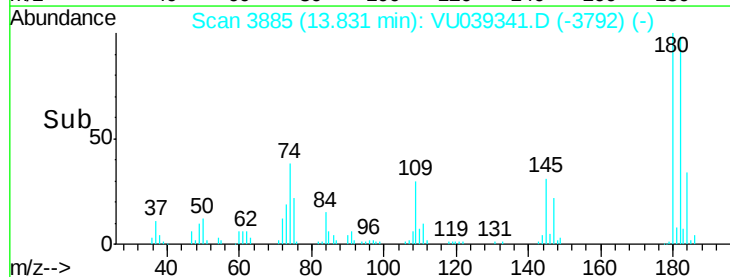
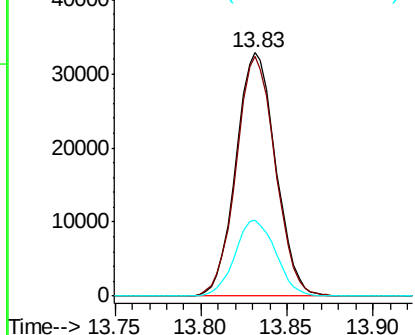


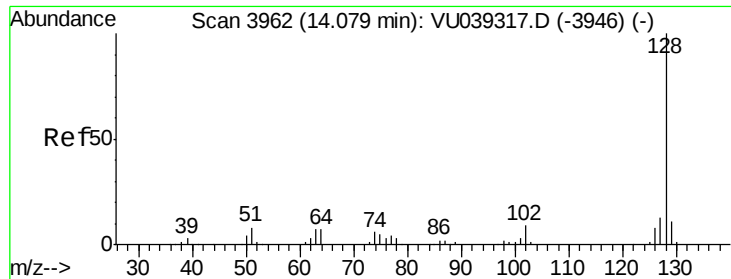
#68
 1,2,4-trichlorobenzene
 Concen: 4.556 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039341.D
 Acq: 08 Jul 2020 10:25

Tgt Ion:180 Resp: 52771
 Ion Ratio Lower Upper
 180 100
 182 97.0 79.4 119.2
 145 32.1 26.4 39.6



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: 4.483 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

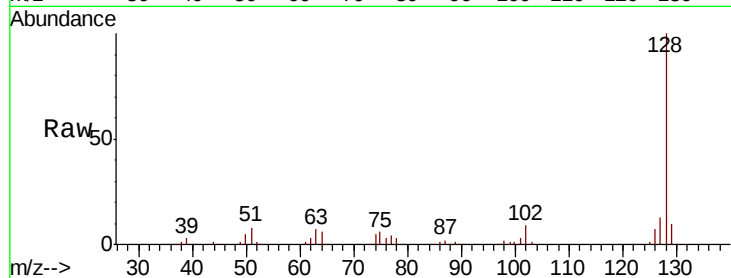
Tot Ion:128 Resp: 104467

Ion Ratio Lower Upper

128 100

129 10.3 8.6 13.0

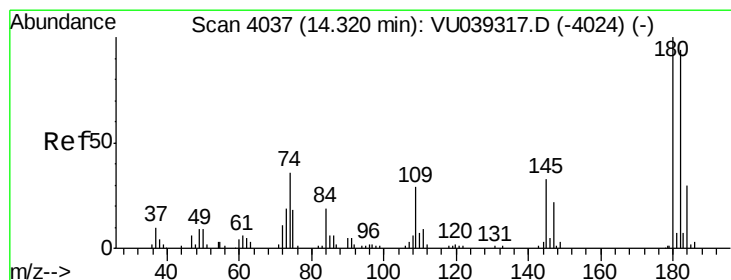
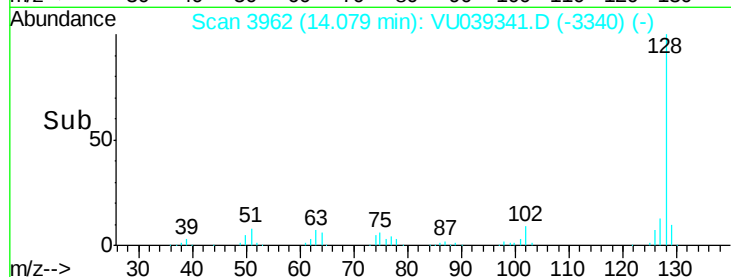
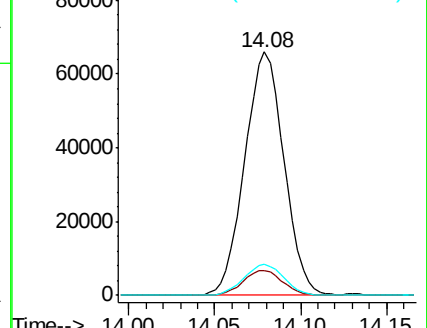
127 13.0 10.4 15.6



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: 4.561 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039341.D

Acq: 08 Jul 2020 10:25

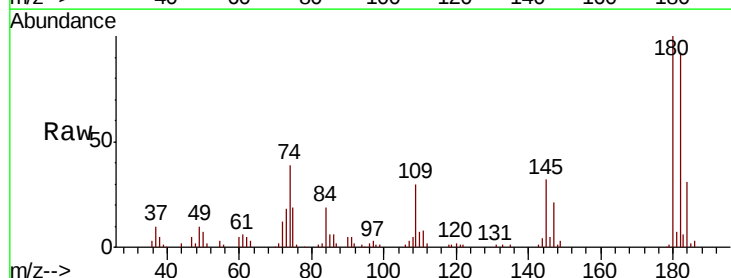
Tgt Ion:180 Resp: 48946

Ion Ratio Lower Upper

180 100

182 95.6 74.2 111.2

145 33.2 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

