

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039075.D
 Acq On : 24 Jun 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jun 25 01:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	274991	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	274680	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133429	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88793	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	79081	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.59	63	175477	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.67	46	391448	53.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.72%
24) Chloroform-d	5.10	84	191639	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.74	65	114892	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.76	84	351370	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.72	67	118869	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.92	98	296292	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.20	79	51411	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.66	63	313769	54.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.30%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	115123	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	115366	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	114413	4.649 ug/L	99
3) Chloromethane	1.53	50	128164	4.839 ug/L	98
5) Vinyl chloride	1.62	62	130727	4.894 ug/L	98
6) Bromomethane	1.87	94	53394	3.713 ug/L	97
8) Chloroethane	1.95	64	81263	5.047 ug/L	98
9) Trichlorofluoromethane	2.16	101	164869	4.821 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	92861	4.664 ug/L	99
12) 1,1-Dichloroethene	2.61	96	90911	4.774 ug/L	95
13) Acetone	2.67	43	238955	48.419 ug/L	100
14) Carbon disulfide	2.82	76	298747	4.705 ug/L	98
15) Methyl Acetate	2.98	43	61771	5.272 ug/L	99
16) Methylene chloride	3.08	84	113577	4.834 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	270387	4.987 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	99307	4.873 ug/L	99
19) 1,1-Dichloroethane	3.91	63	201901	4.984 ug/L	99
21) 2-Butanone	4.75	43	395967	52.772 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	108153	4.918 ug/L	95

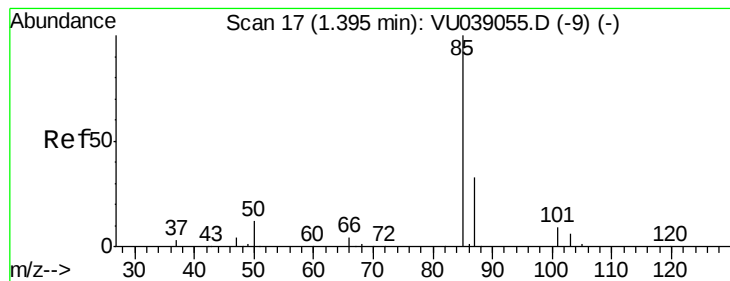
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039075.D
 Acq On : 24 Jun 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Jun 25 01:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	50105	4.951	ug/L	96
25) Chloroform	5.12	83	200184	4.919	ug/L	96
27) 1,2-Dichloroethane	5.83	62	141413	4.876	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	168317	4.910	ug/L	99
30) Cyclohexane	5.42	56	150326	4.713	ug/L	99
31) Carbon tetrachloride	5.56	117	133675	4.683	ug/L	99
33) Benzene	5.81	78	435260	5.043	ug/L	100
34) Trichloroethene	6.57	95	105548	5.056	ug/L	97
35) Methylcyclohexane	6.79	83	140802	4.546	ug/L	95
37) 1,2-Dichloropropane	6.82	63	118182	5.055	ug/L	99
38) Bromodichloromethane	7.13	83	145583	4.994	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	163494	5.045	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	923619	52.926	ug/L	100
42) Toluene	7.99	91	433474	5.060	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	152426	5.027	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	87461	5.033	ug/L	97
47) Tetrachloroethene	8.57	164	70219	4.667	ug/L	97
48) 2-Hexanone	8.71	43	699700	54.692	ug/L	100
49) Dibromochloromethane	8.83	129	97950	5.183	ug/L	99
50) 1,2-Dibromoethane	8.94	107	83974	5.111	ug/L	100
51) Chlorobenzene	9.47	112	267069	4.952	ug/L	98
52) Ethylbenzene	9.59	91	442062	4.909	ug/L	100
53) m,p-Xylene	9.71	106	168107	5.077	ug/L	99
54) o-Xylene	10.12	106	160027	5.031	ug/L	96
55) Styrene	10.13	104	293948	5.262	ug/L	98
56) Isopropylbenzene	10.50	105	410517	4.926	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	115917	4.989	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	87769	4.979	ug/L	99
61) Bromoform	10.31	173	54239	4.977	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	200961	5.065	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	200916	4.917	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	198051	4.979	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	21299	4.854	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	138911	4.731	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	127970	4.785	ug/L	99
69) Naphthalene	14.12	128	273207	4.788	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	126143	4.886	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.649 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

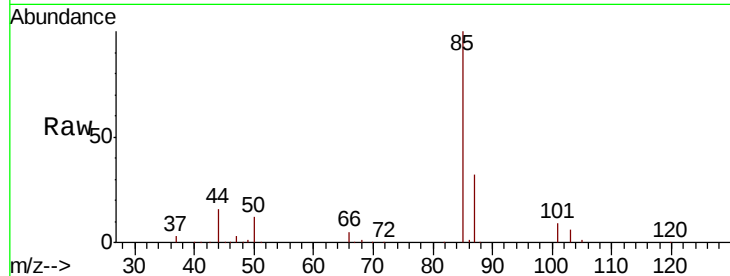
VSTD00514

Tot Ion: 85 Resp: 114413

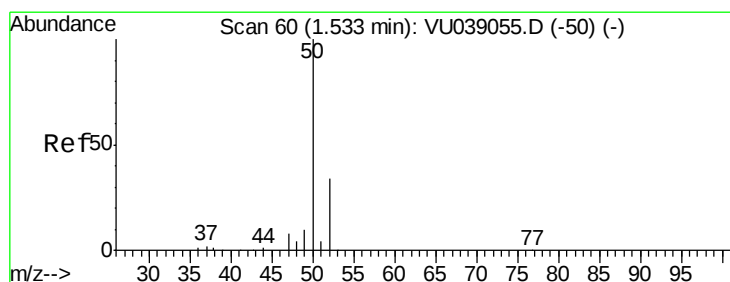
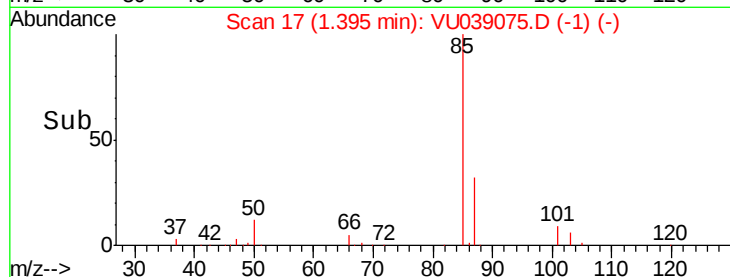
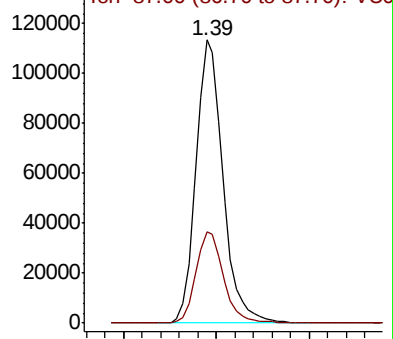
Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039075.D (-1) (-)



#3

Chloromethane

Concen: 4.839 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039075.D

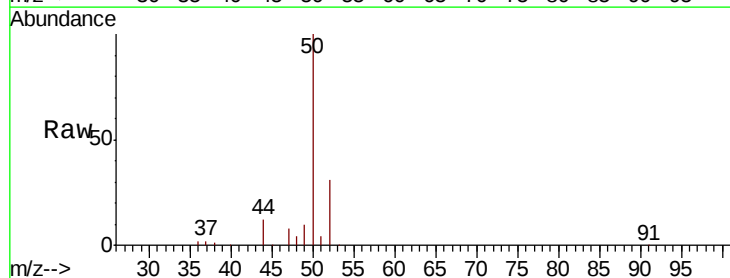
Acq: 24 Jun 2020 20:49

Tgt Ion: 50 Resp: 128164

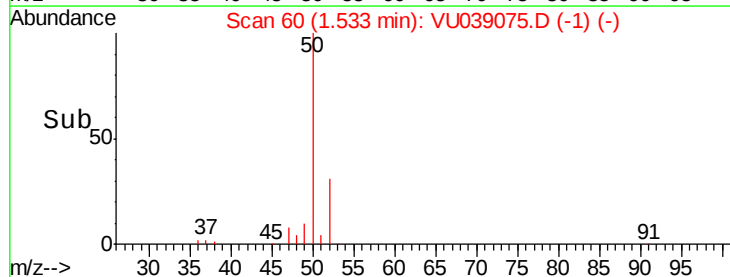
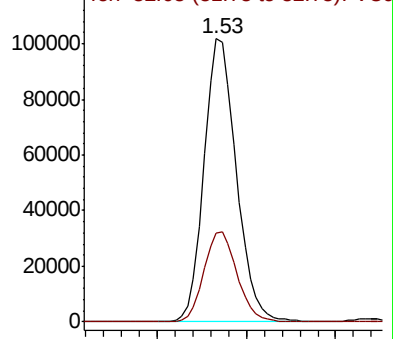
Ion Ratio Lower Upper

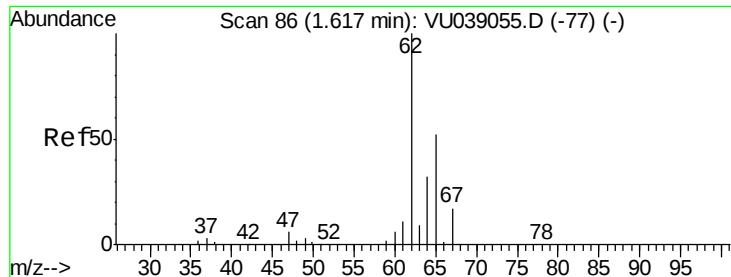
50 100

52 31.4 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039075.D (-1) (-)





#5

Vinyl chloride

Concen: 4.894 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

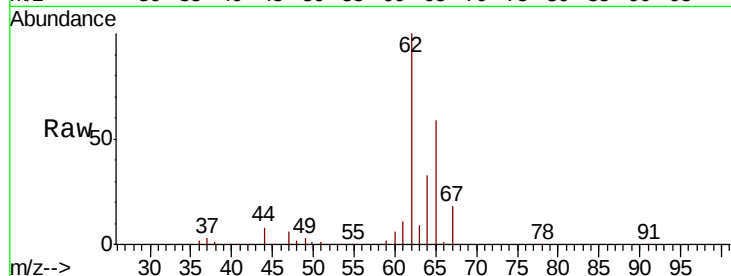
VSTD00514

Tot Ion: 62 Resp: 130727

Ion Ratio Lower Upper

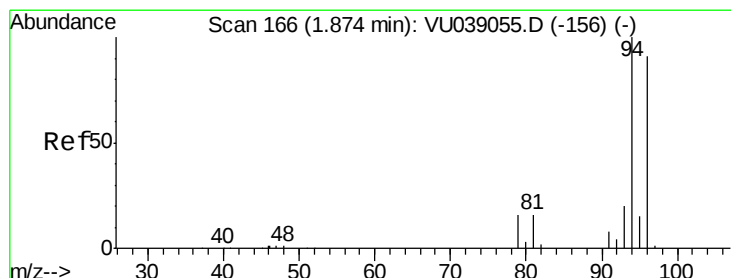
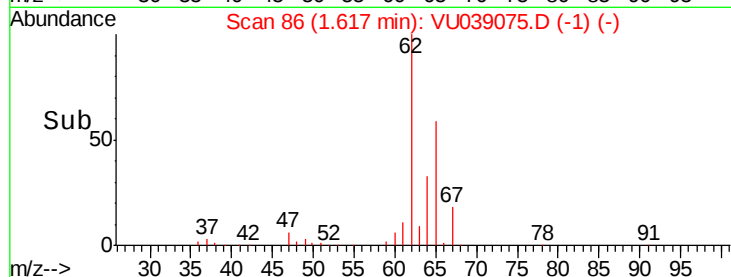
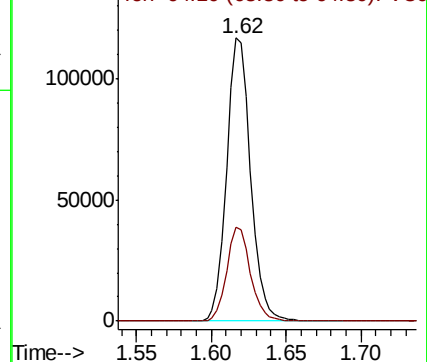
62 100

64 33.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.713 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039075.D

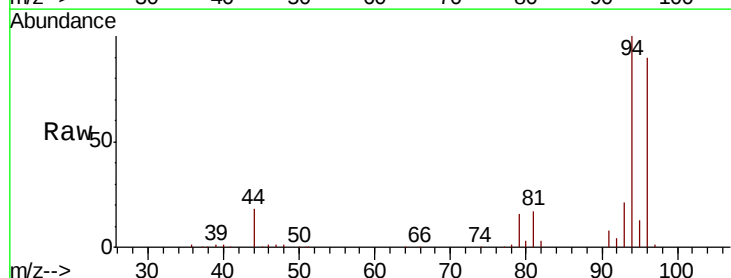
Acq: 24 Jun 2020 20:49

Tgt Ion: 94 Resp: 53394

Ion Ratio Lower Upper

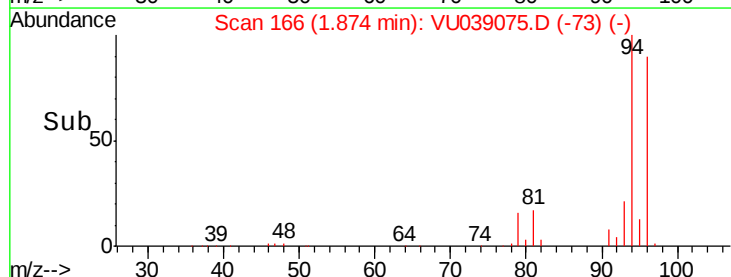
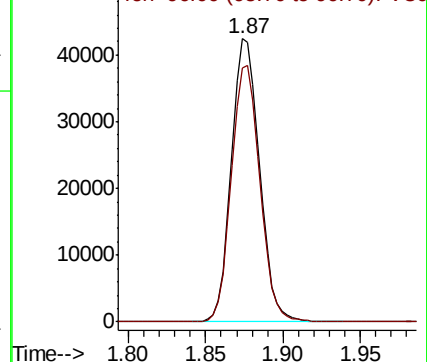
94 100

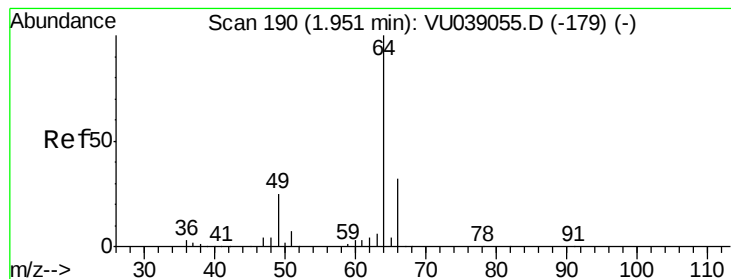
96 89.5 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.047 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

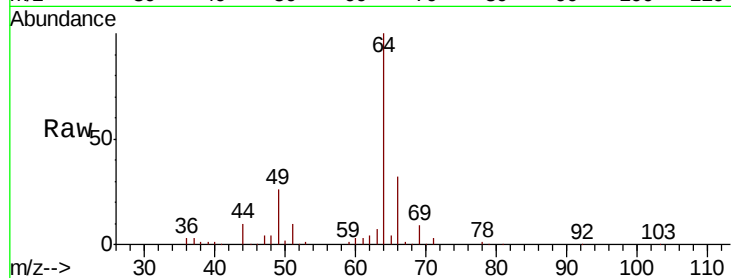
VSTD00514

Tot Ion: 64 Resp: 81263

Ion Ratio Lower Upper

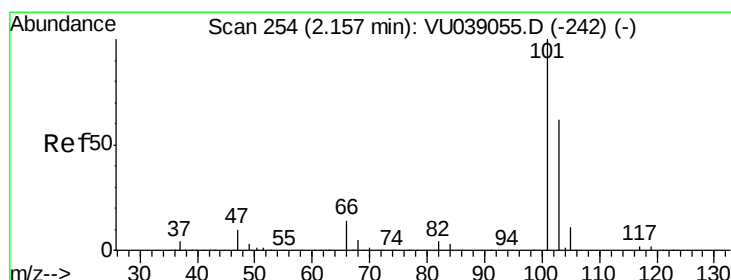
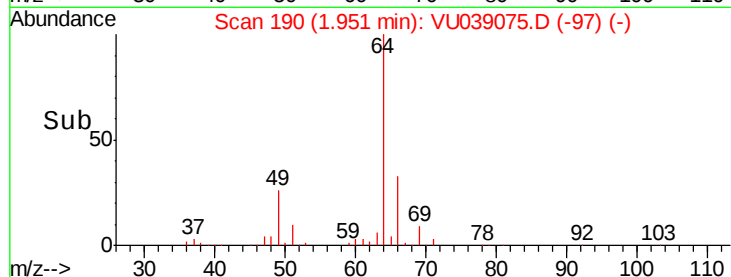
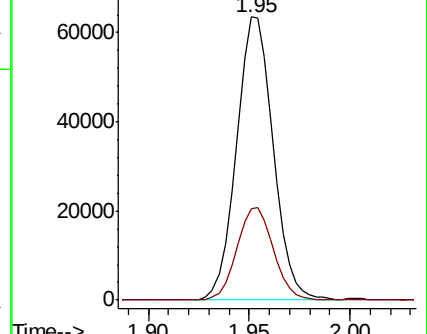
64 100

66 32.5 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039075.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU039075.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.821 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039075.D

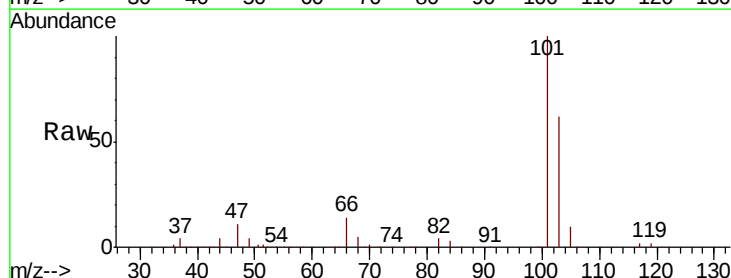
Acq: 24 Jun 2020 20:49

Tgt Ion:101 Resp: 164869

Ion Ratio Lower Upper

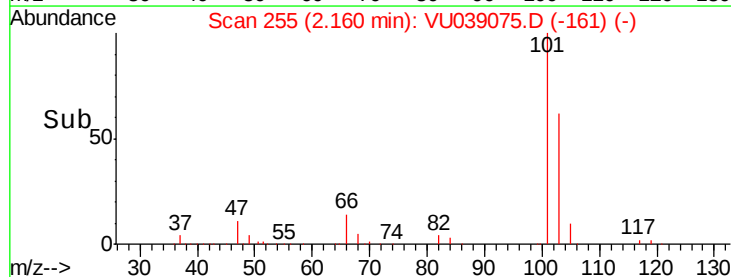
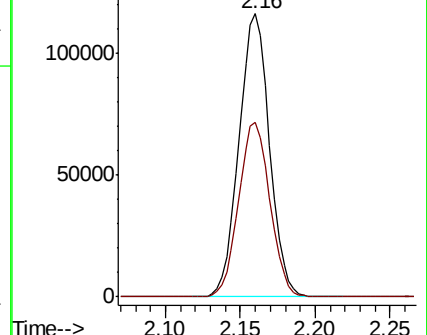
101 100

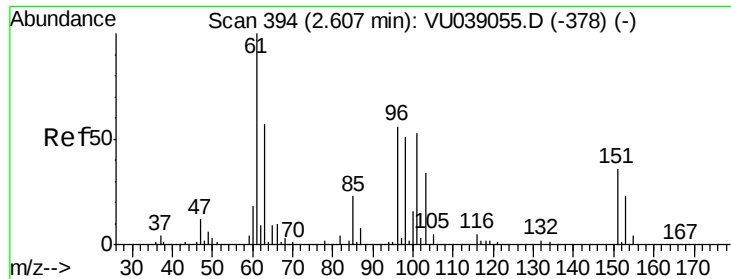
103 63.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039075.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU039075.D (-161) (-)





#10

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

Concen: 4.664 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

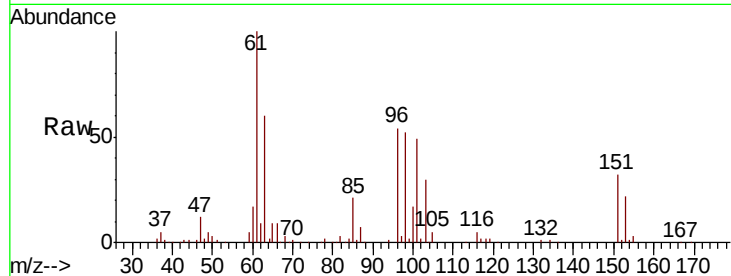
Tot Ion:101 Resp: 92861

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.4

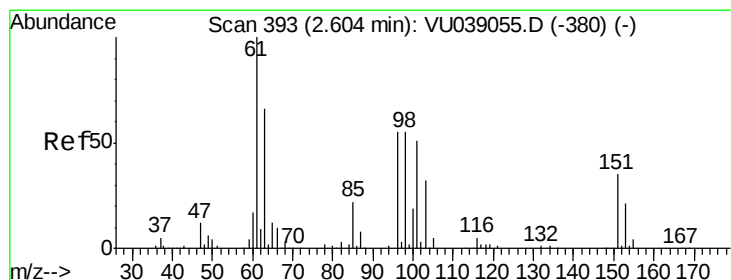
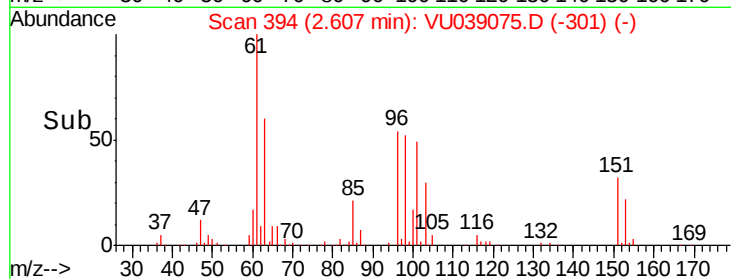
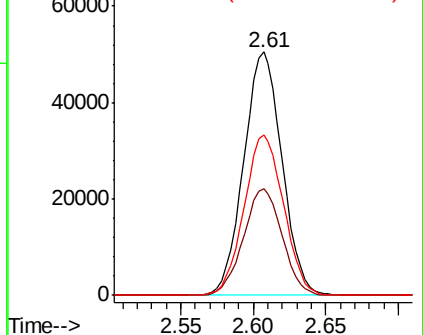
151 67.7 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.774 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

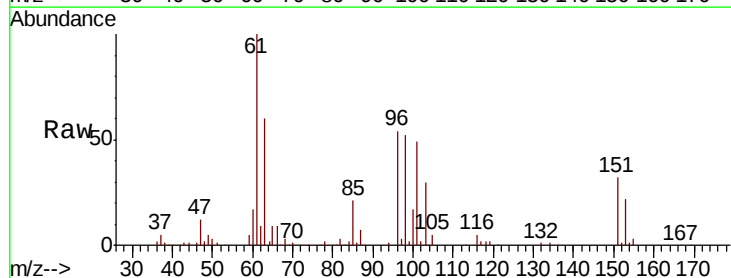
Tgt Ion: 96 Resp: 90911

Ion Ratio Lower Upper

96 100

61 186.2 125.1 232.3

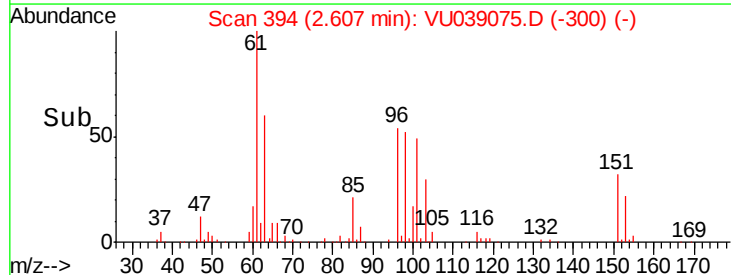
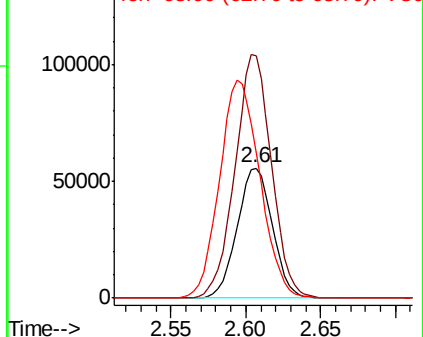
63 111.9 82.3 152.8

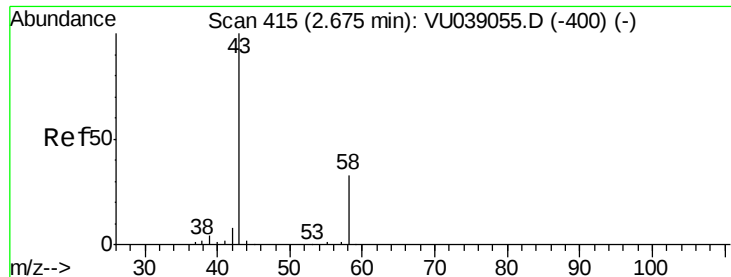


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.419 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

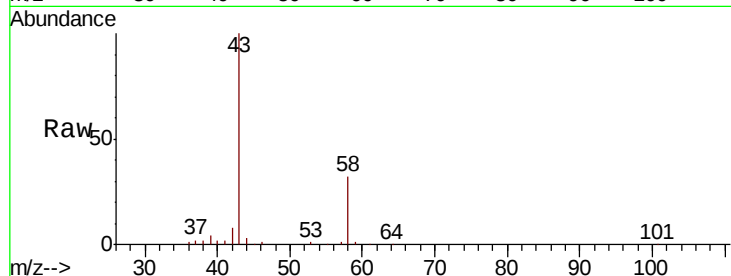
VSTD00514

Tot Ion: 43 Resp: 238955

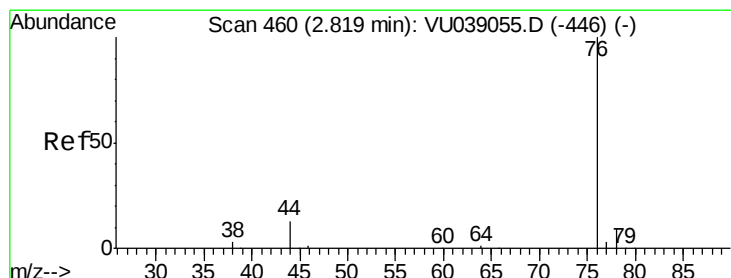
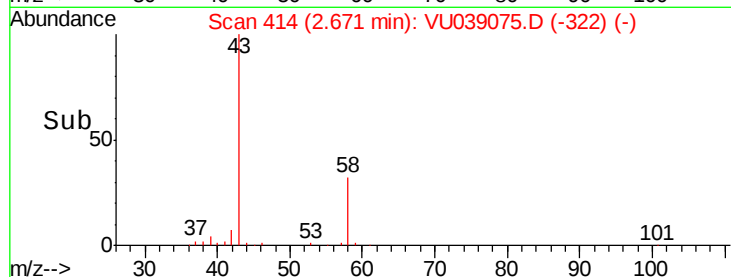
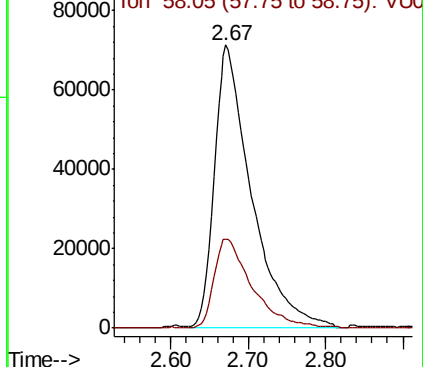
Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039075.D (-322) (-)



#14

Carbon disulfide

Concen: 4.705 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039075.D

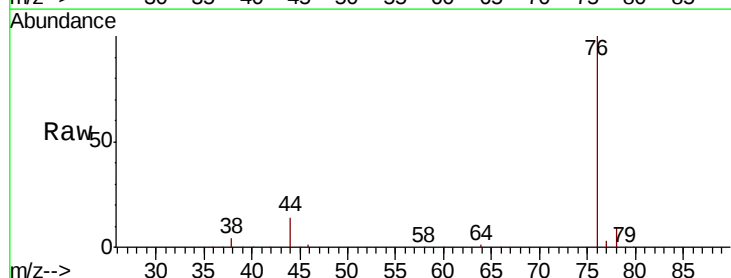
Acq: 24 Jun 2020 20:49

Tgt Ion: 76 Resp: 298747

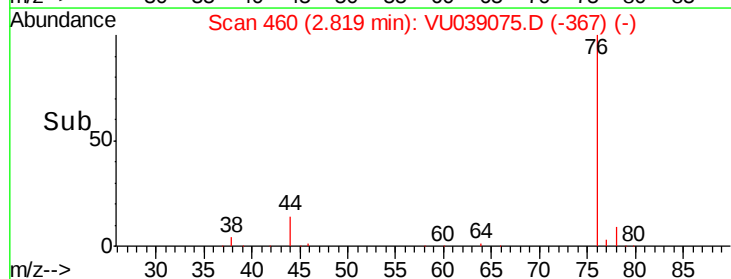
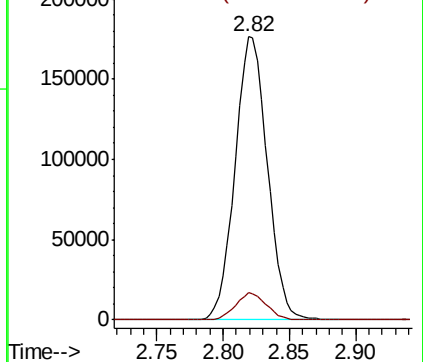
Ion Ratio Lower Upper

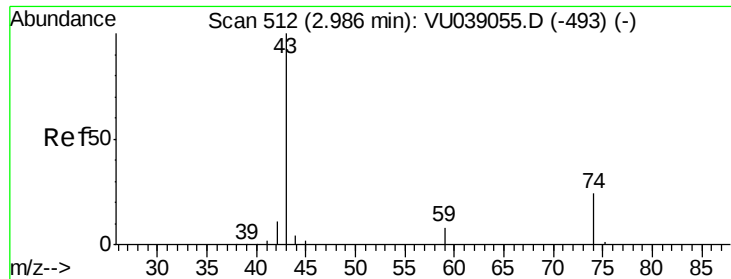
76 100

78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039075.D (-367) (-)

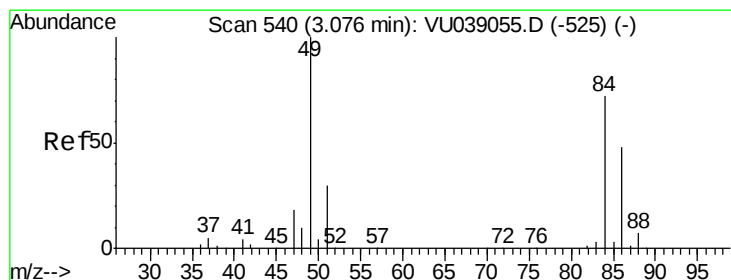
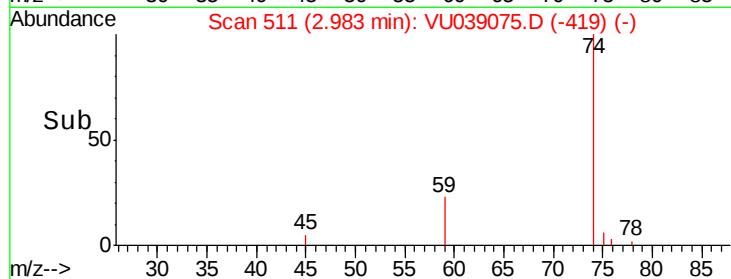
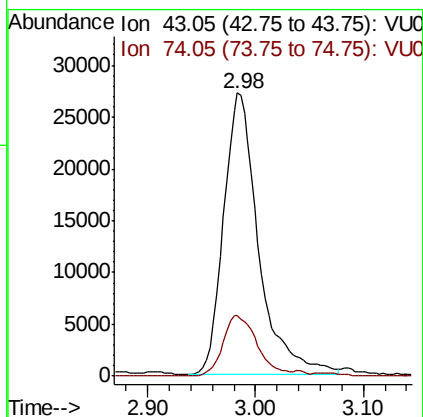
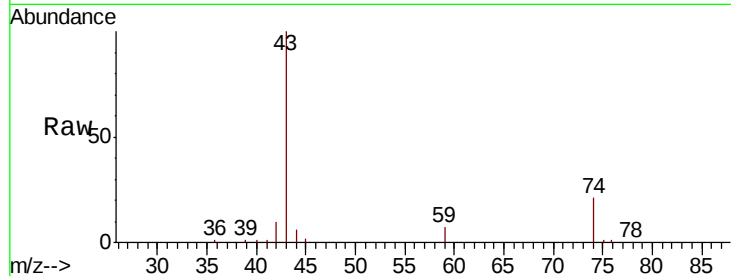




#15
Methvl Acetate
Concen: 5.272 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

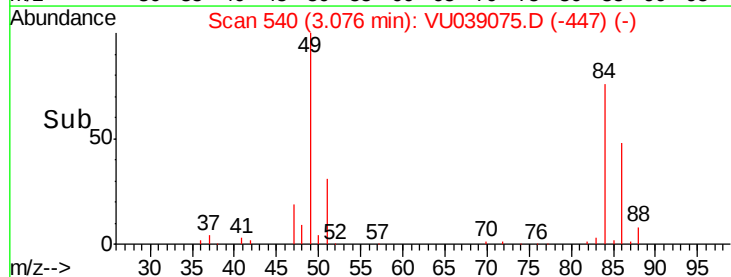
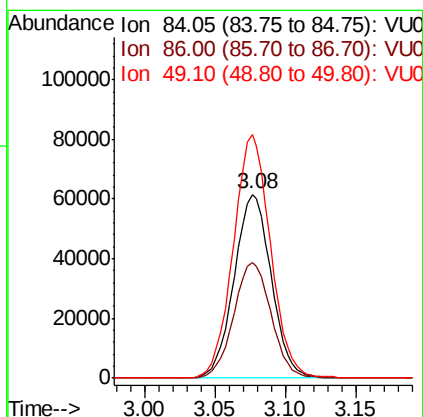
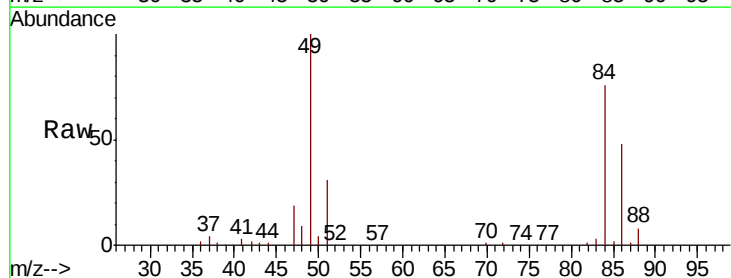
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

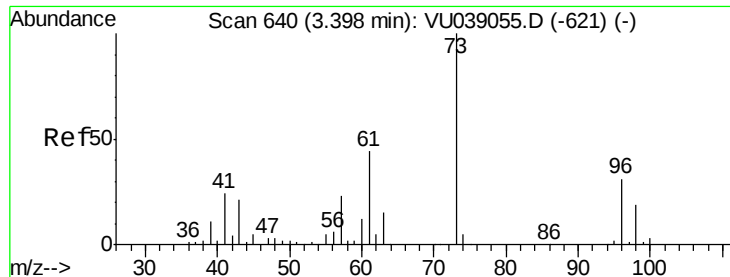
Tot Ion: 43 Resp: 61771
Ion Ratio Lower Upper
43 100
74 20.9 17.0 25.4



#16
Methylene chloride
Concen: 4.834 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion: 84 Resp: 113577
Ion Ratio Lower Upper
84 100
86 63.0 44.1 81.9
49 132.3 93.1 172.9

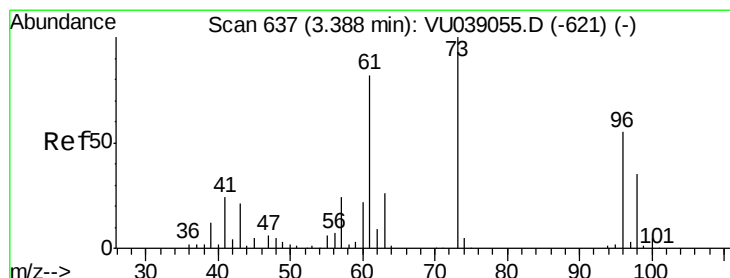
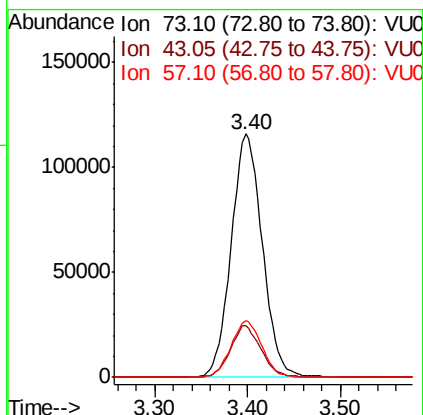
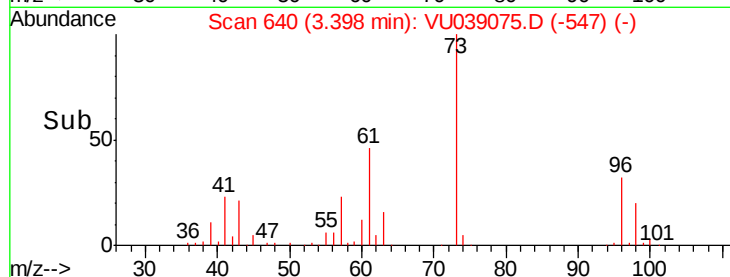
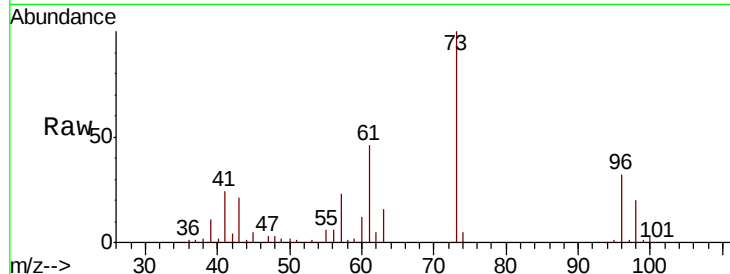




#17
Methvl tert-butvl Ether
Concen: 4.987 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

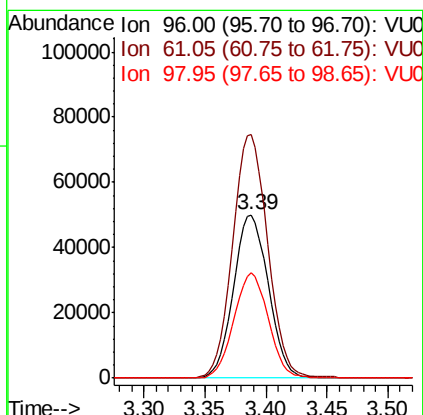
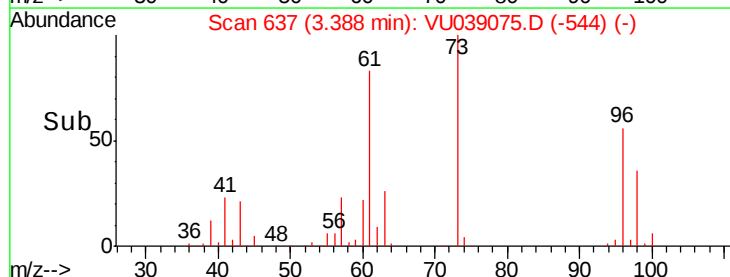
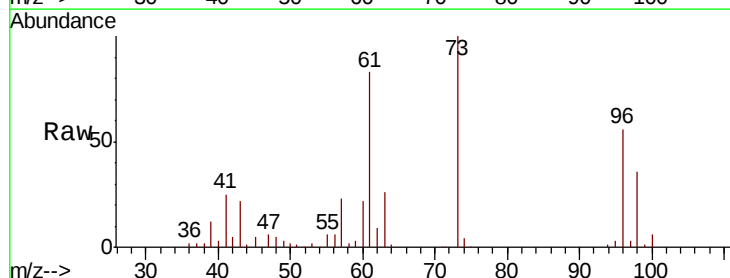
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

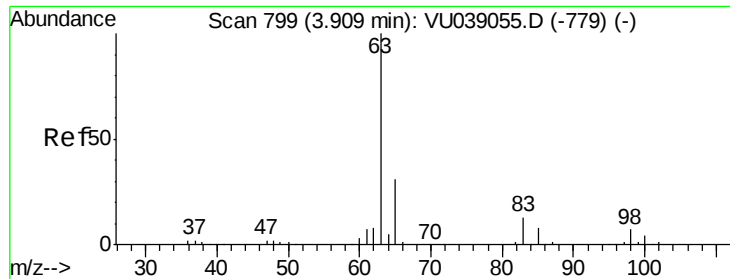
Tot Ion: 73 Resp: 270387
Ion Ratio Lower Upper
73 100
43 20.9 16.6 24.8
57 23.0 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.873 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion: 96 Resp: 99307
Ion Ratio Lower Upper
96 100
61 149.1 103.5 192.3
98 64.3 44.9 83.5

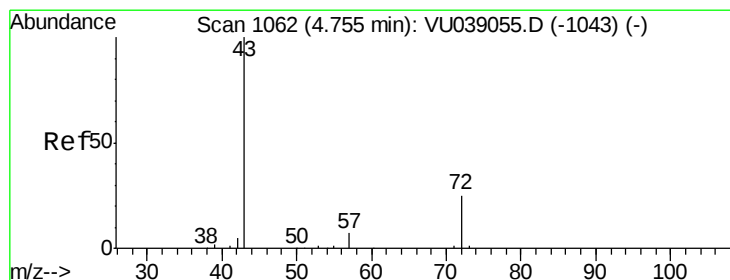
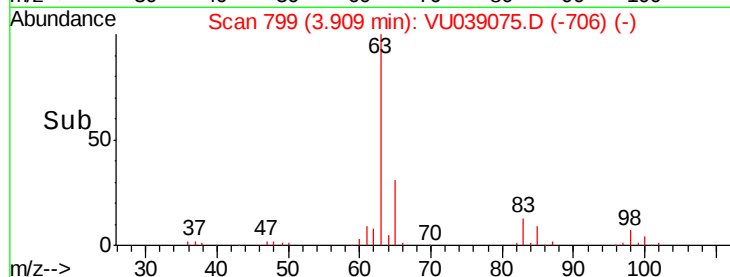
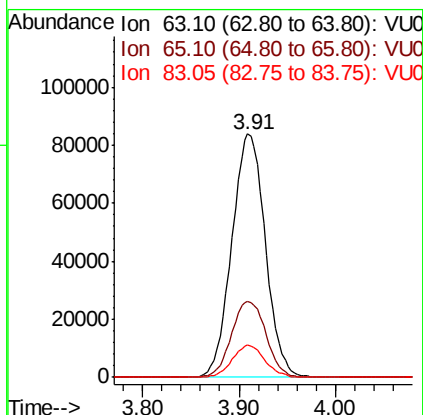
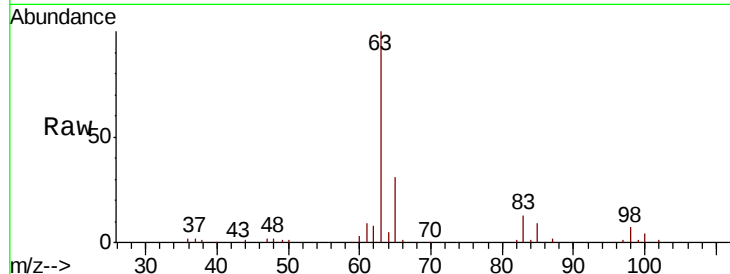




#19
 1,1-Dichloroethane
 Concen: 4.984 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

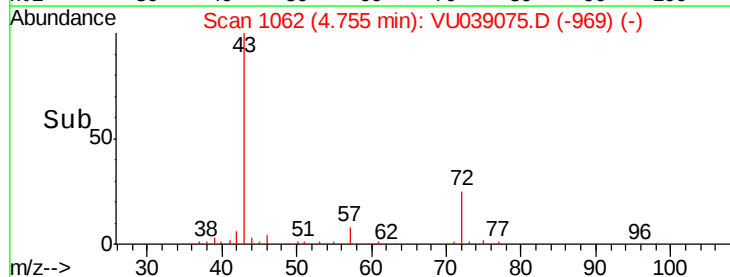
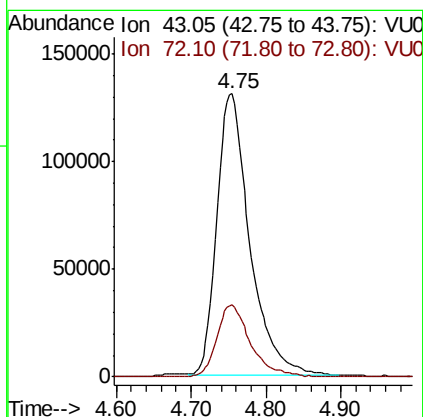
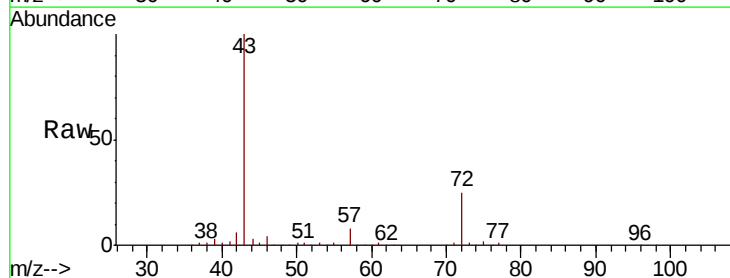
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00514

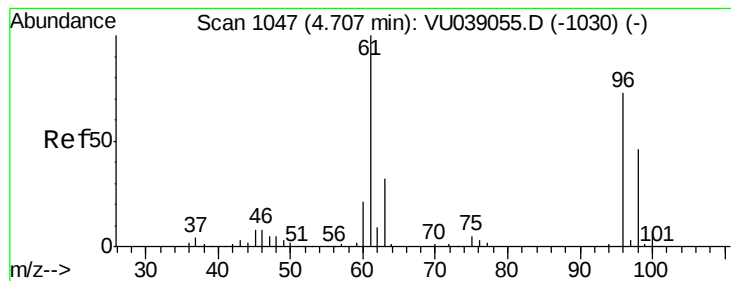
Tot Ion: 63 Resp: 201901
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.1 41.1
 83 13.1 9.3 17.3



#21
 2-Butanone
 Concen: 52.772 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion: 43 Resp: 395967
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.1 39.3





#22

cis-1,2-Dichloroethene

Concen: 4.918 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

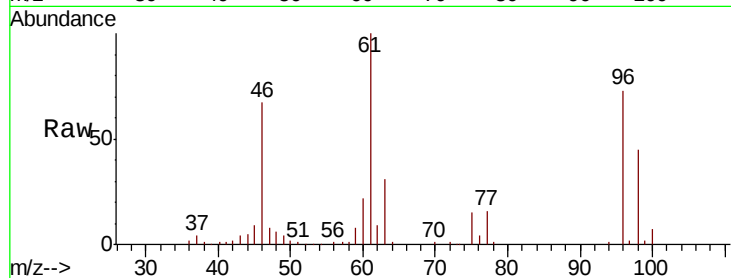
Tot Ion: 96 Resp: 108153

Ion Ratio Lower Upper

96 100

61 137.7 100.8 187.2

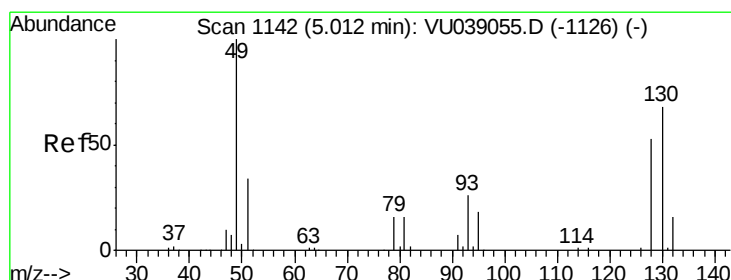
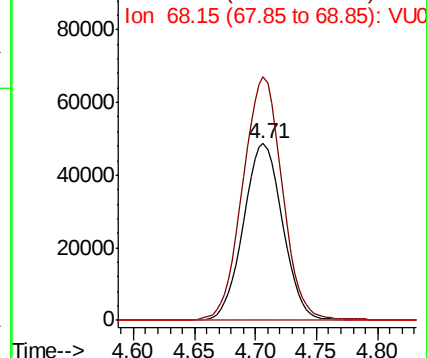
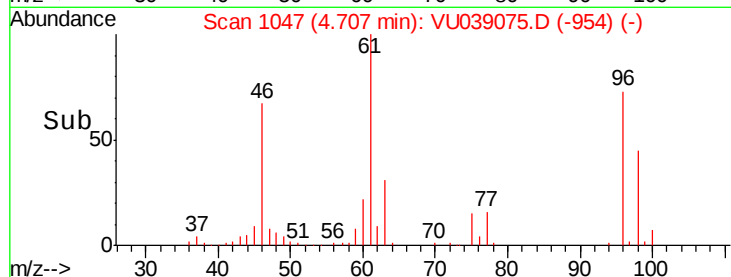
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039075.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039075.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039075.D (-954) (-)



#23

Bromochloromethane

Concen: 4.951 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Tgt Ion: 128 Resp: 50105

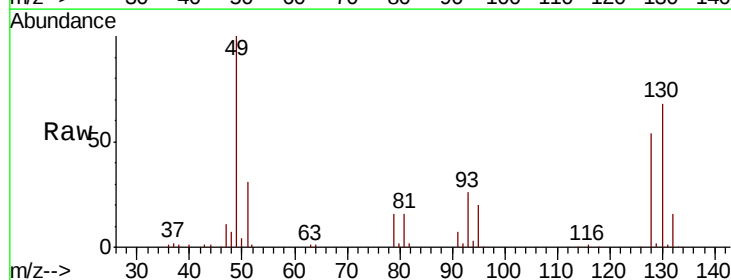
Ion Ratio Lower Upper

128 100

49 186.3 127.3 236.5

130 126.4 84.4 156.7

51 57.7 47.5 71.3

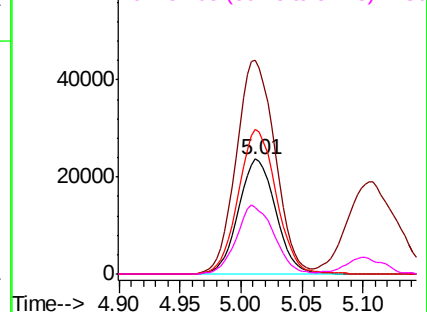
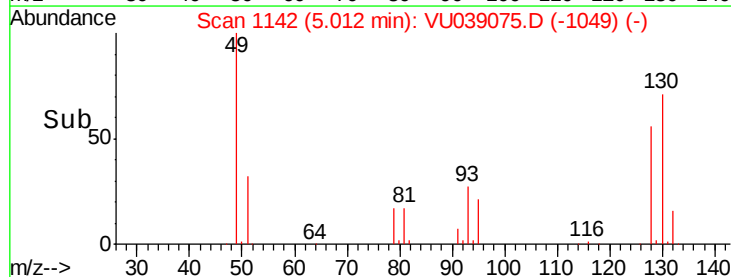


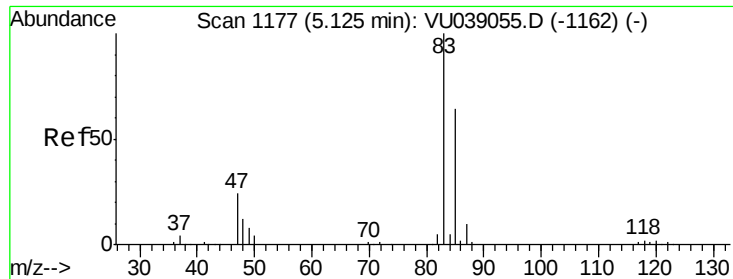
Abundance Ion 127.90 (127.60 to 128.60): VU039075.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039075.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039075.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039075.D (-1049) (-)

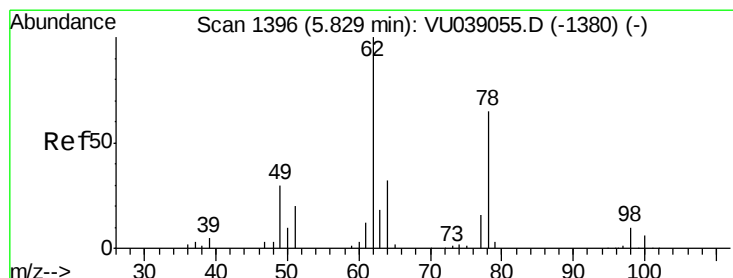
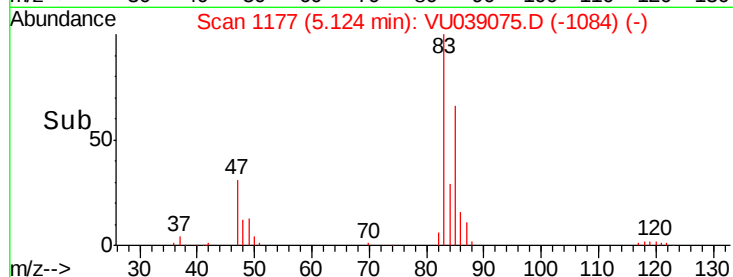
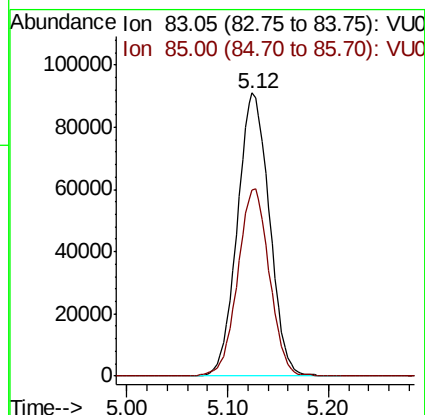
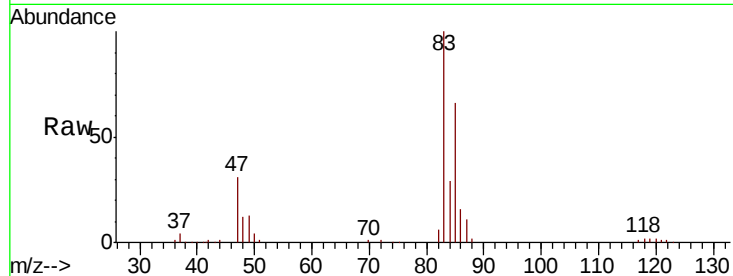




#25
Chloroform
Concen: 4.919 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

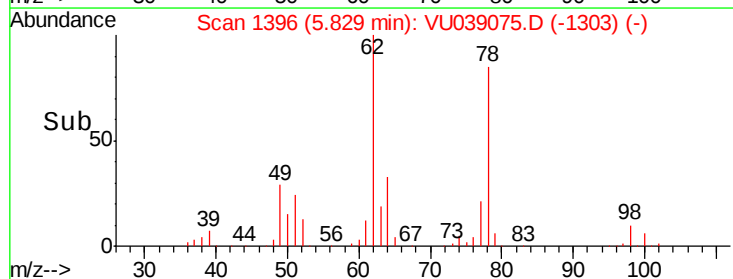
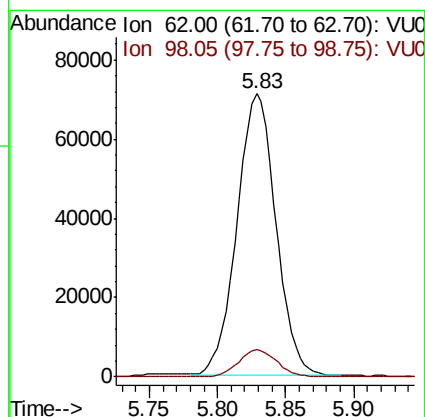
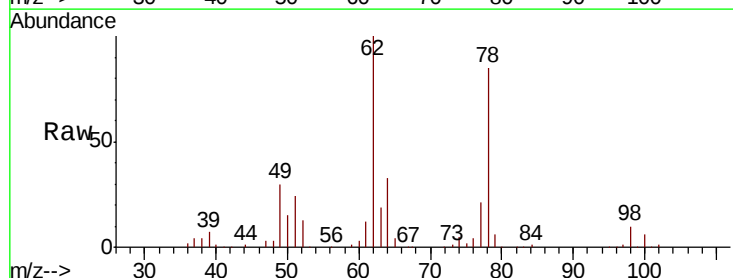
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

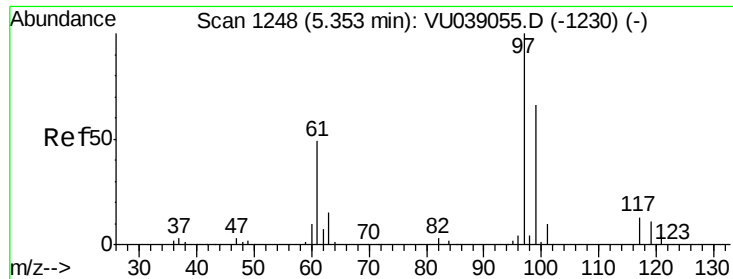
Tot Ion: 83 Resp: 200184
Ion Ratio Lower Upper
83 100
85 65.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.876 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion: 62 Resp: 141413
Ion Ratio Lower Upper
62 100
98 9.5 7.7 11.5

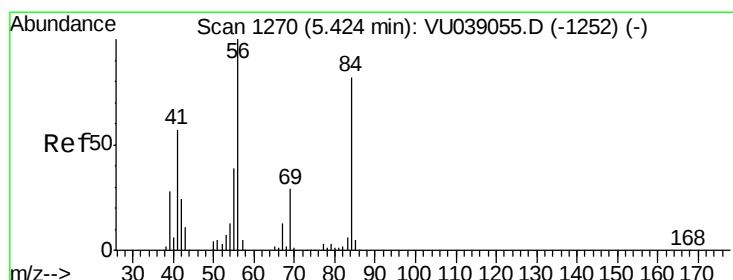
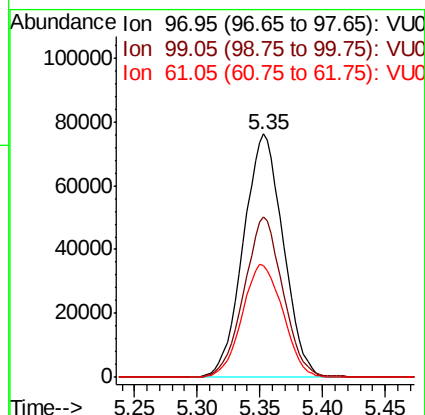
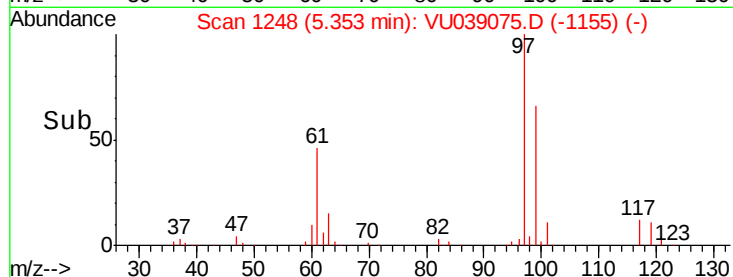
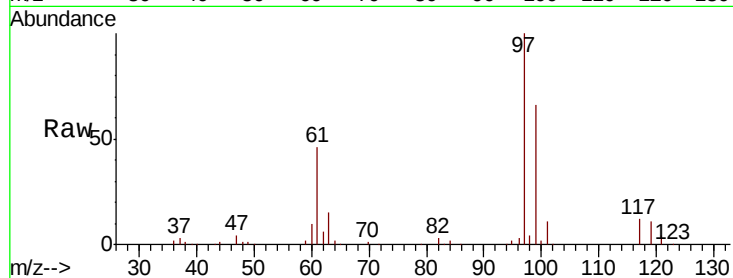




#29
1,1,1-Trichloroethane
Concen: 4.910 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

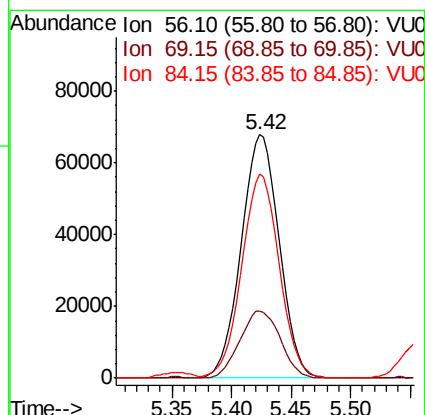
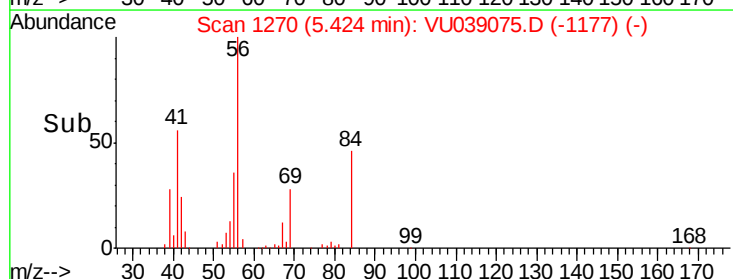
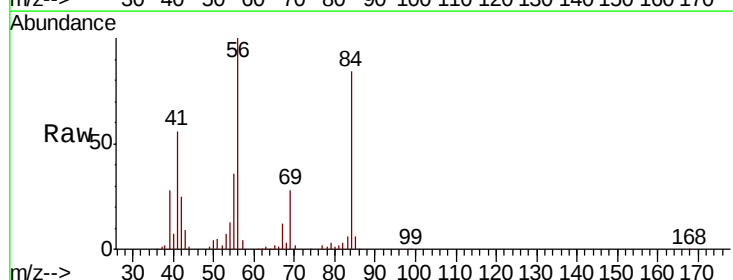
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

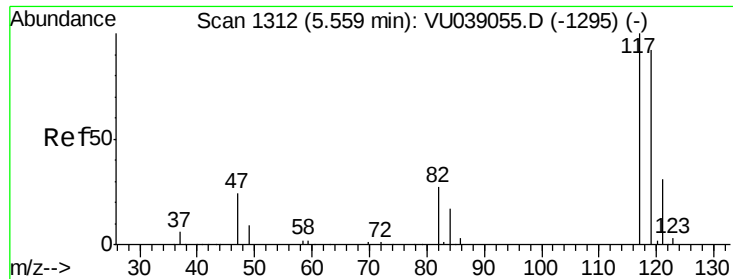
Tot Ion	97	Resp	168317
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.3	75.5
61	47.4	37.8	56.6



#30
Cyclohexane
Concen: 4.713 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion	56	Resp	150326
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.3	34.9
84	82.9	67.1	100.7

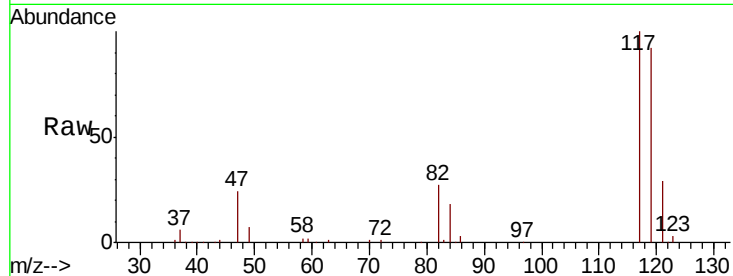




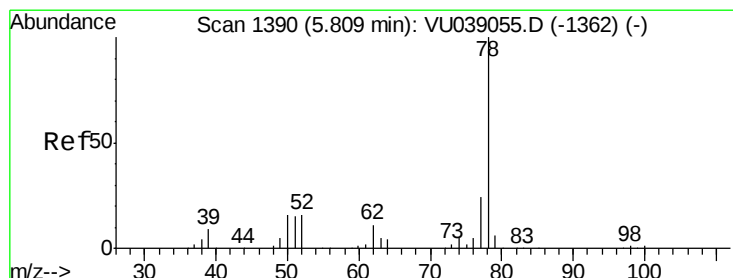
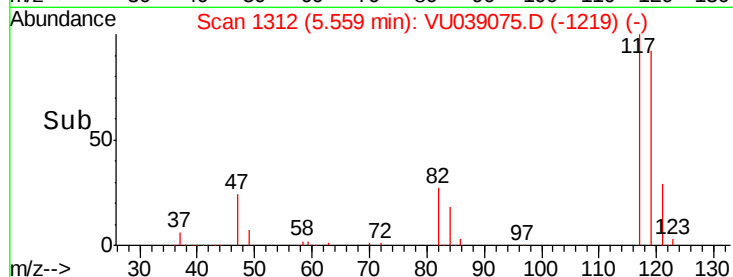
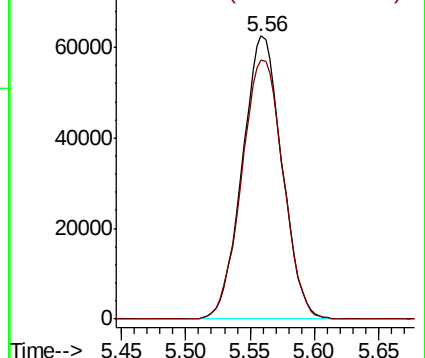
#31
Carbon tetrachloride
Concen: 4.683 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:117 Resp: 133675
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5

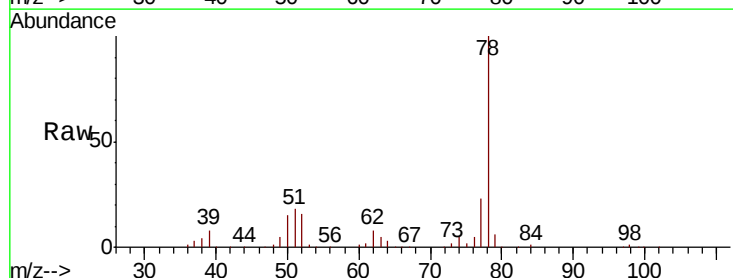


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

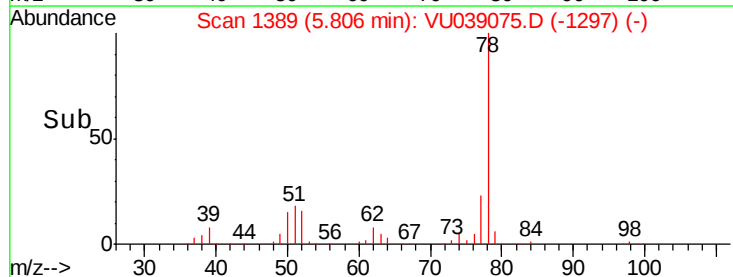
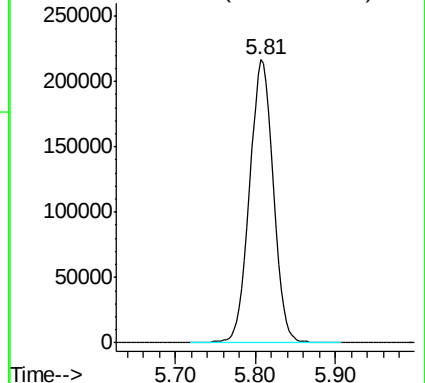


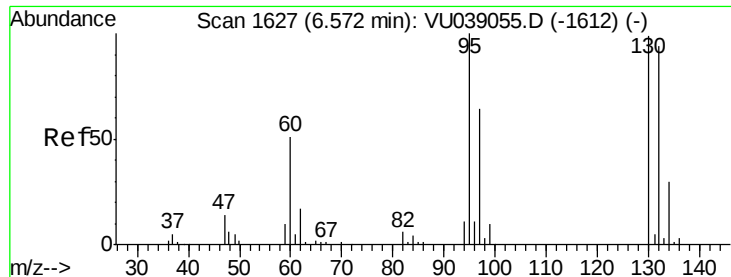
#33
Benzene
Concen: 5.043 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion: 78 Resp: 435260



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.056 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 105548

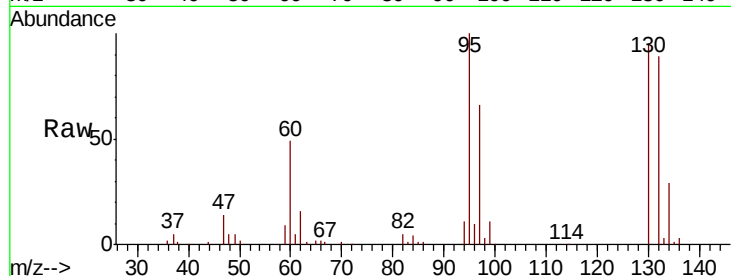
Ion Ratio Lower Upper

95 100

97 65.6 45.1 83.7

132 89.5 65.1 120.9

130 94.9 68.6 127.4

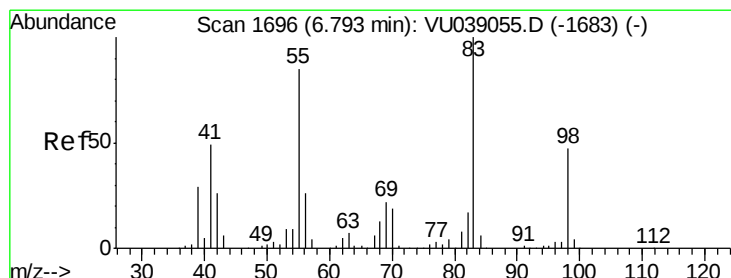
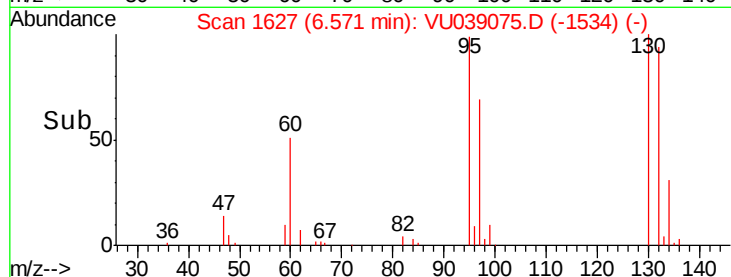
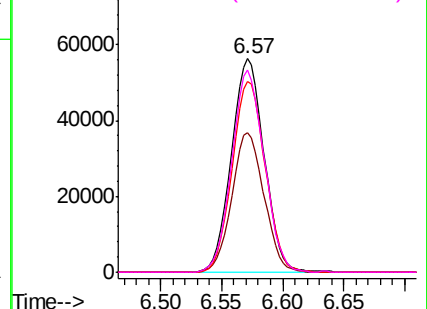


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.546 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

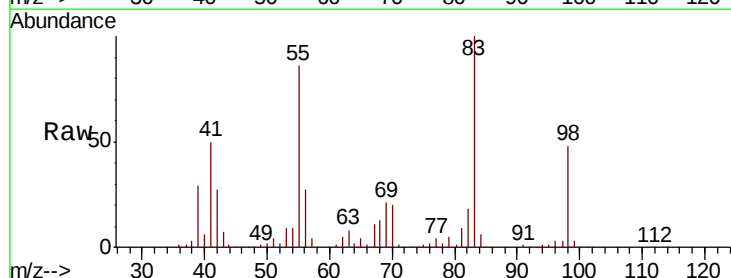
Tgt Ion: 83 Resp: 140802

Ion Ratio Lower Upper

83 100

55 87.4 65.5 98.3

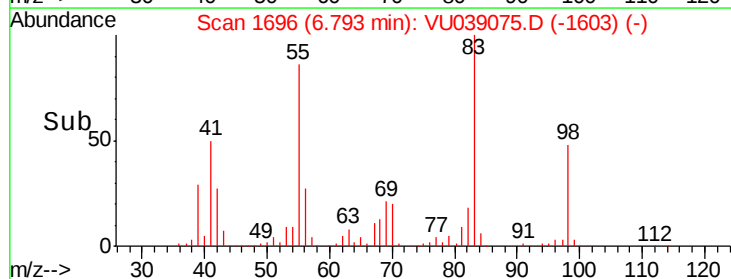
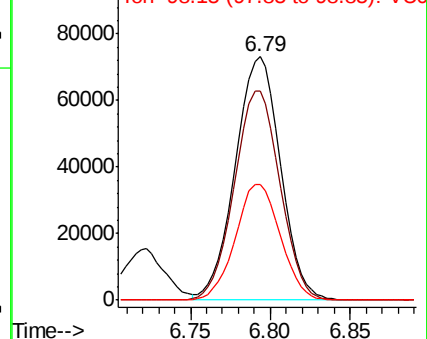
98 47.3 36.5 54.7

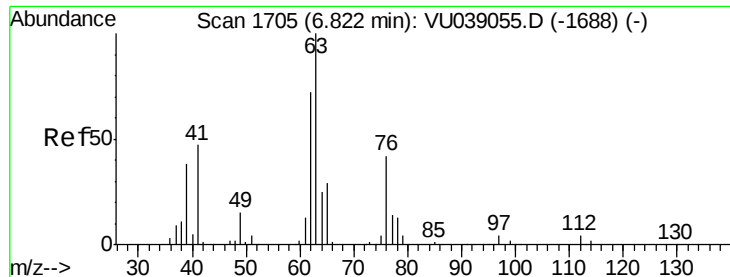


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

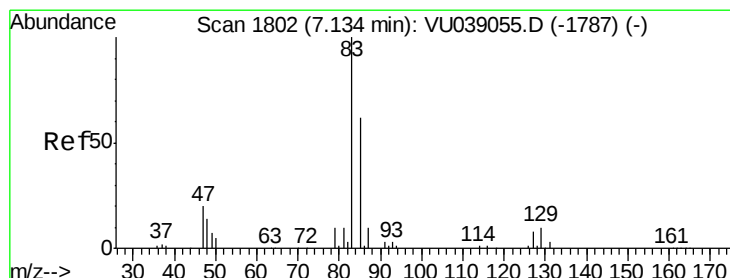
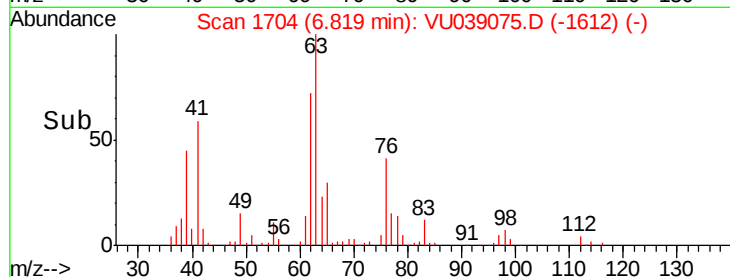
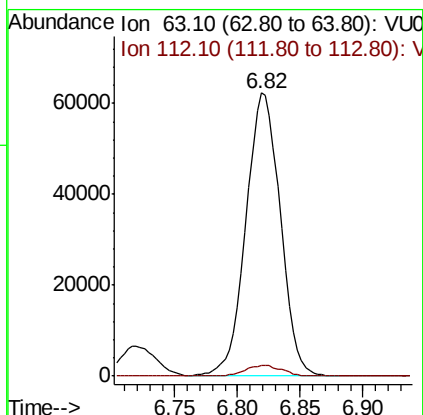
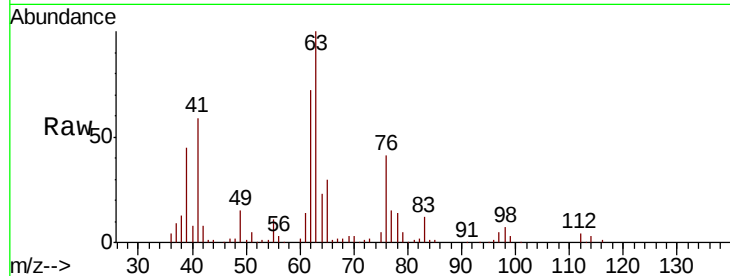




#37
 1,2-Dichloropropane
 Concen: 5.055 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

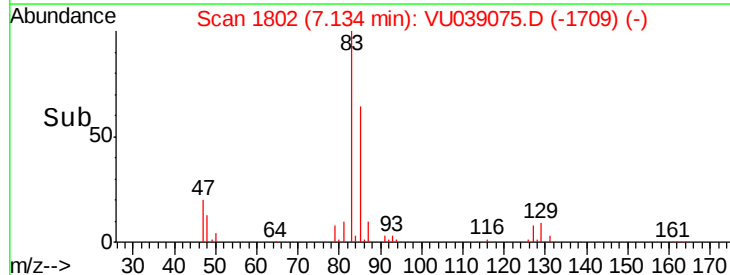
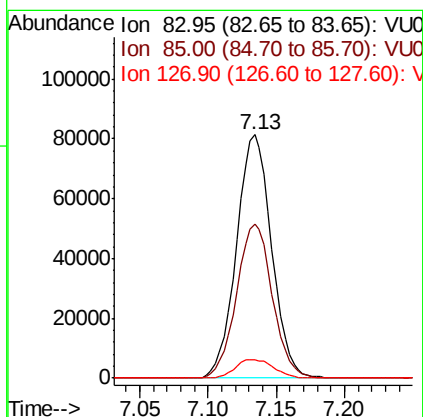
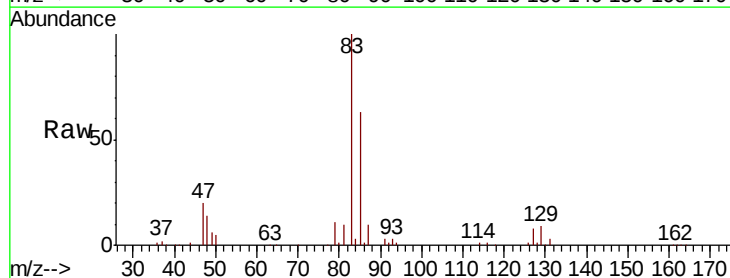
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

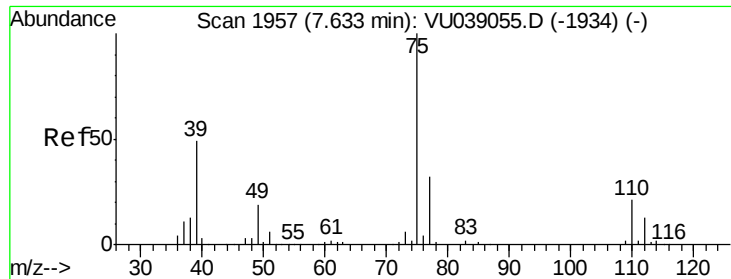
Tot Ion: 63 Resp: 118182
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.994 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion: 83 Resp: 145583
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.9 83.3
 127 7.6 6.3 9.5

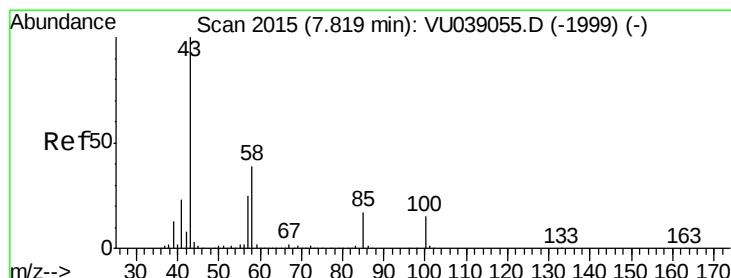
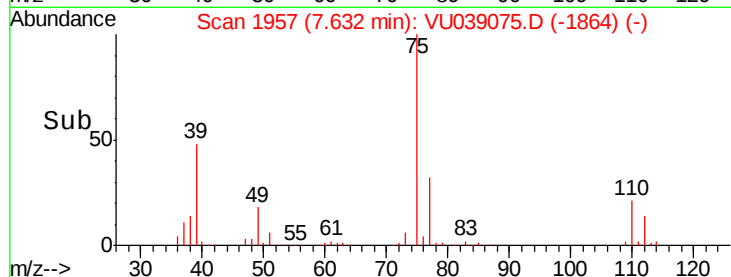
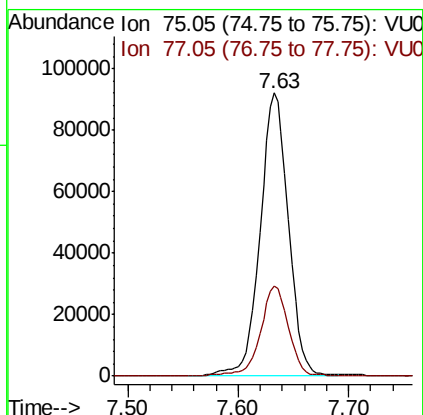
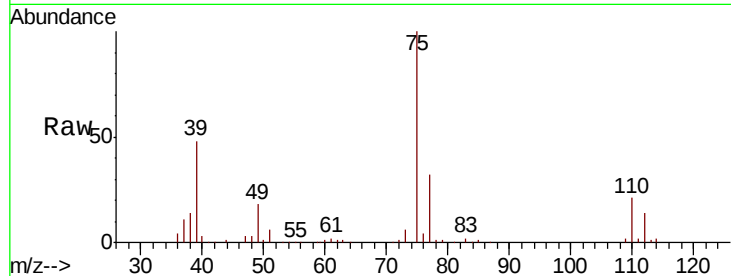




#39
 cis-1,3-Dichloropropene
 Concen: 5.045 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

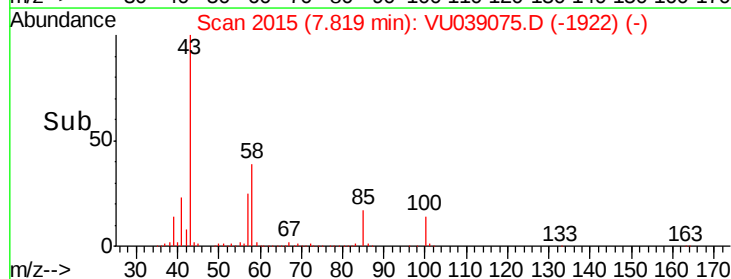
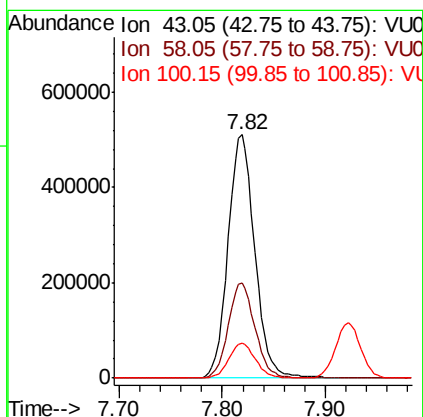
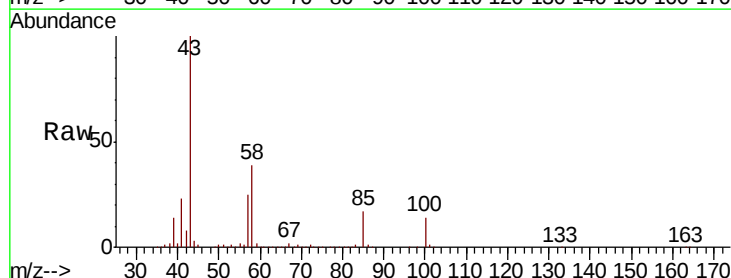
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

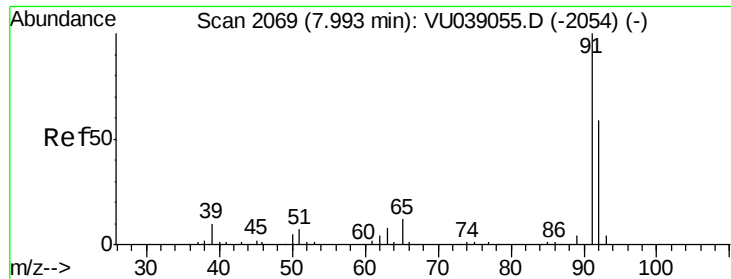
Tot Ion: 75 Resp: 163494
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 52.926 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion: 43 Resp: 923619
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 14.4 11.6 17.4





#42

Toluene

Concen: 5.060 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

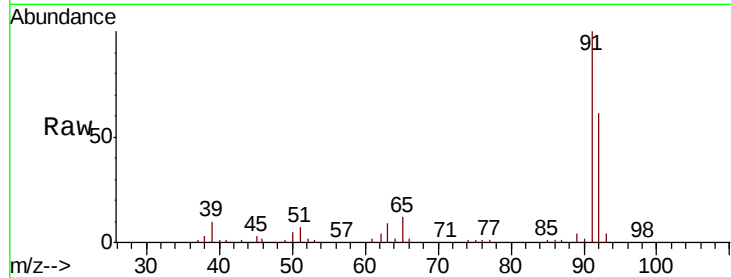
VSTD00514

Tot Ion: 91 Resp: 433474

Ion Ratio Lower Upper

91 100

92 61.1 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039075.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU039075.D (-1976) (-)

7.99

250000

200000

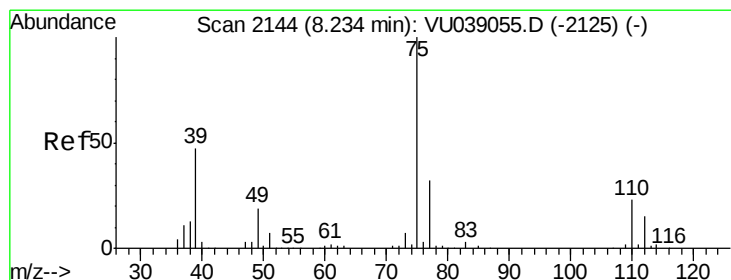
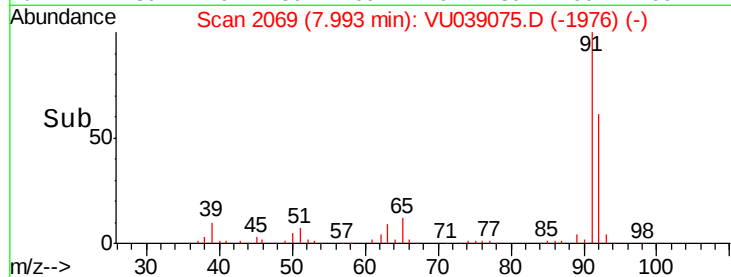
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.027 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU039075.D

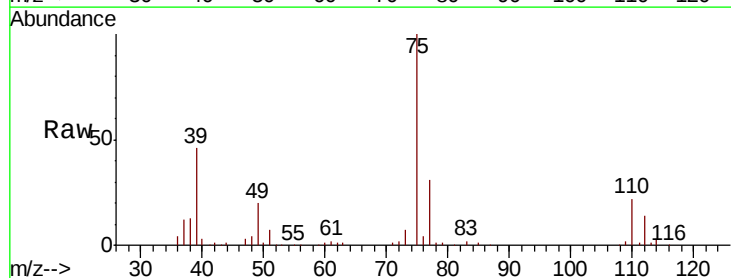
Acq: 24 Jun 2020 20:49

Tgt Ion: 75 Resp: 152426

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039075.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU039075.D (-2051) (-)

8.23

100000

80000

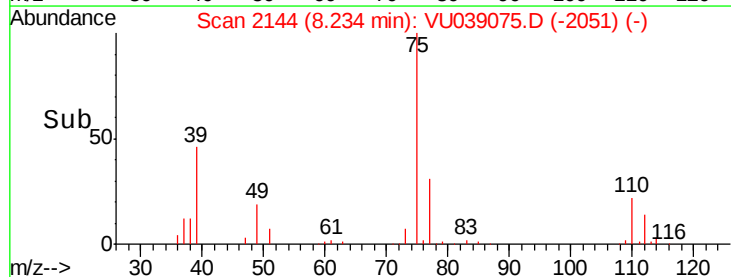
60000

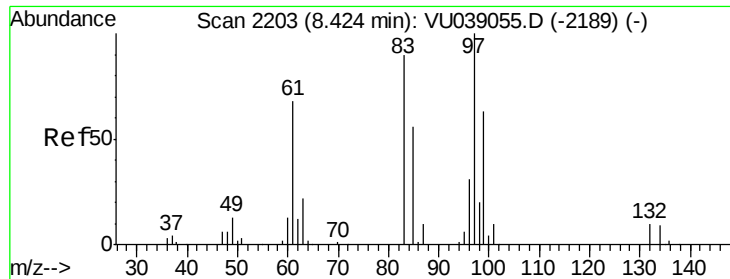
40000

20000

0

Time-->

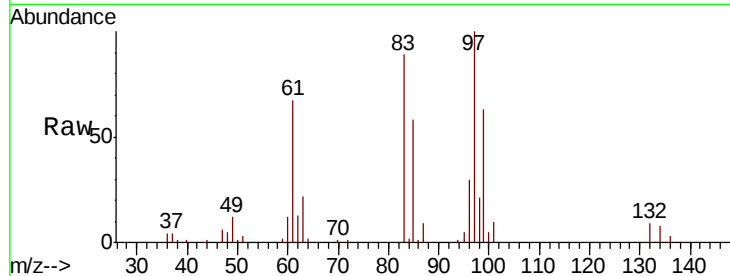




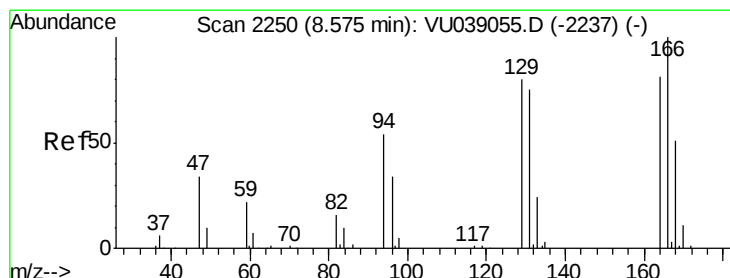
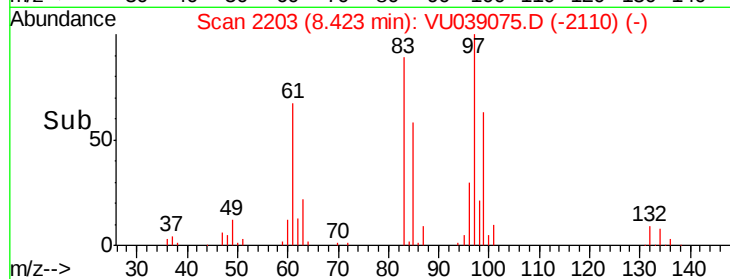
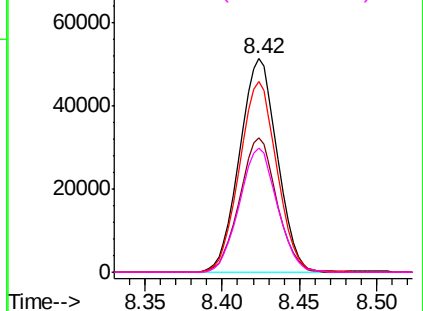
#45
 1,1,2-Trichloroethane
 Concen: 5.033 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:	97	Resp:	87461
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.4	84.4
83	89.2	64.4	119.6
85	57.9	41.7	77.5

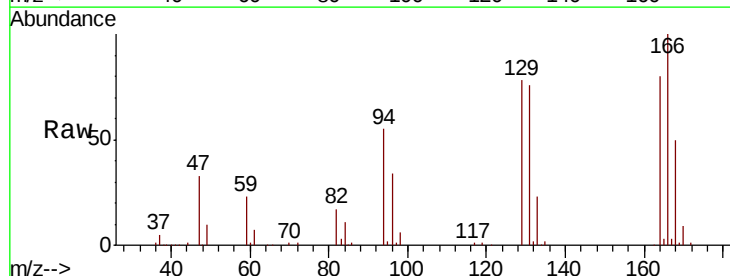


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

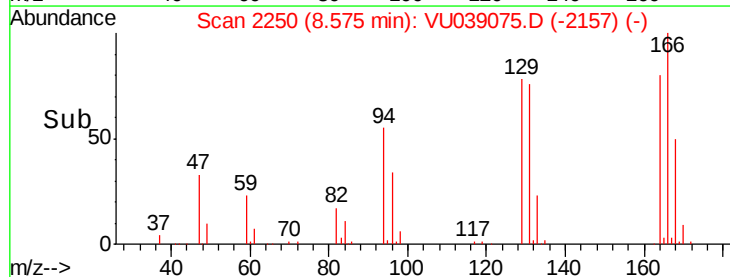
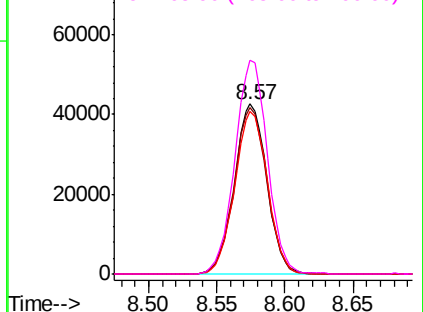


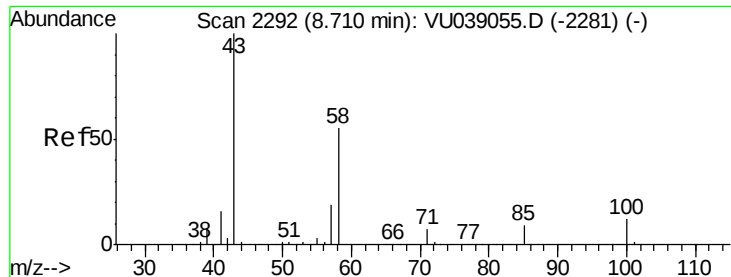
#47
 Tetrachloroethene
 Concen: 4.667 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion:	164	Resp:	70219
Ion	Ratio	Lower	Upper
164	100		
129	97.7	71.3	132.5
131	95.8	68.3	126.8
166	125.6	90.8	168.6



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

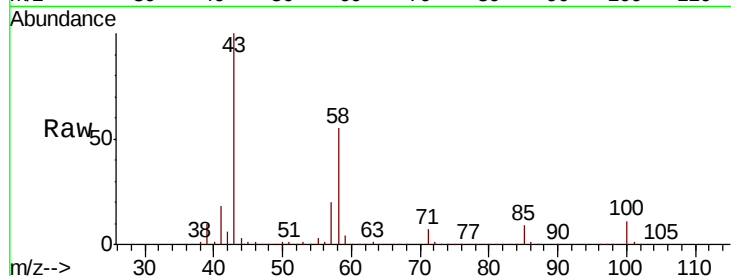




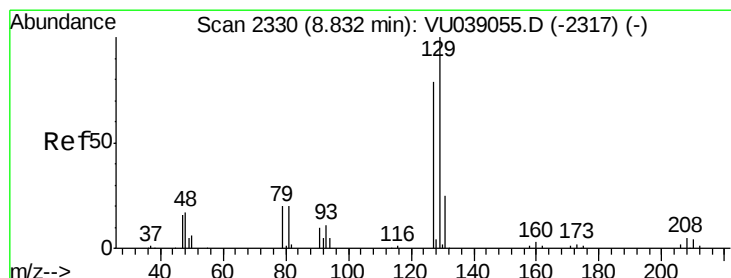
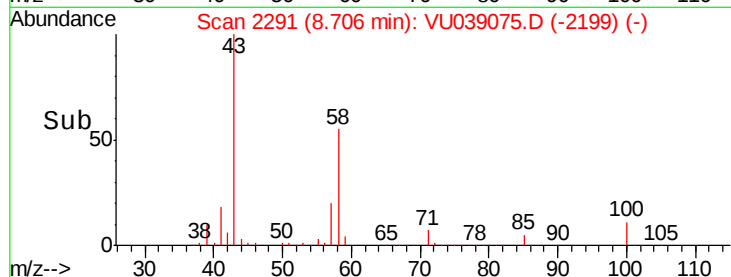
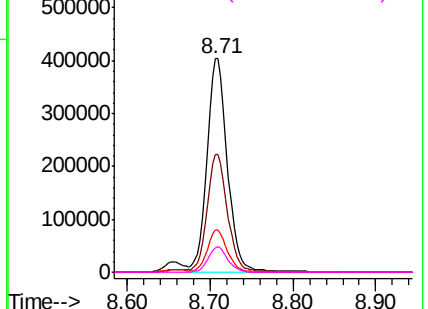
#48
2-Hexanone
Concen: 54.692 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	43	Resp:	699700
Ion	Ratio	Lower	Upper
43	100		
58	55.2	44.0	66.0
57	19.2	15.0	22.6
100	11.6	9.4	14.2

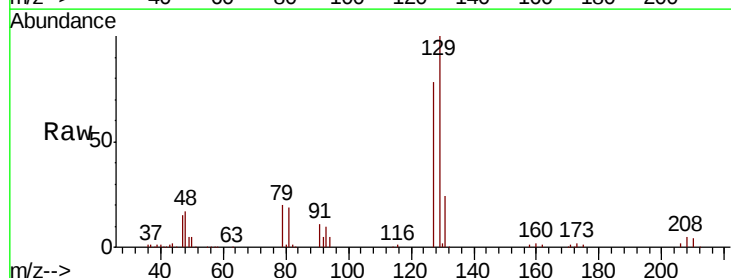


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

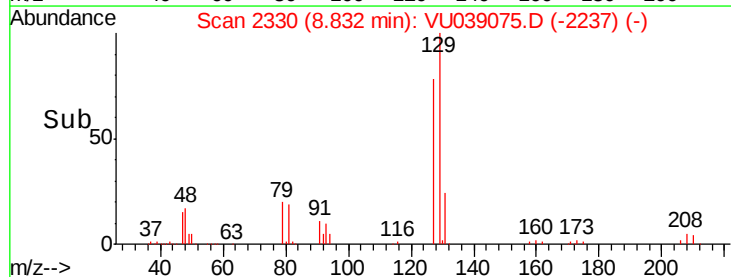
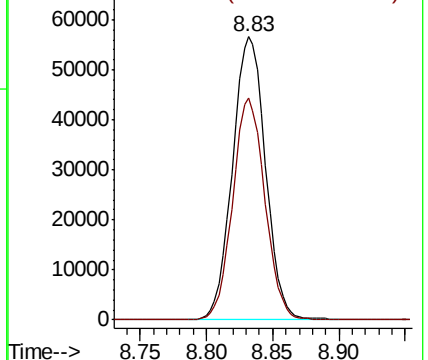


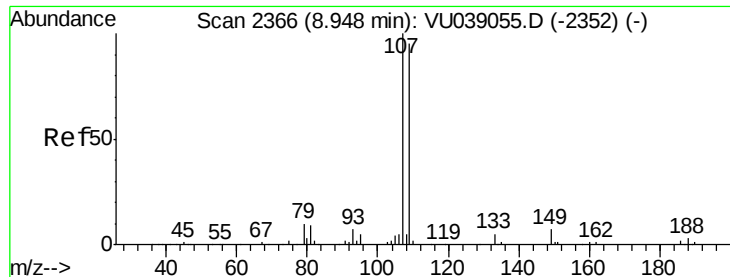
#49
Dibromochloromethane
Concen: 5.183 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion:	129	Resp:	97950
Ion	Ratio	Lower	Upper
129	100		
127	78.2	55.4	103.0



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

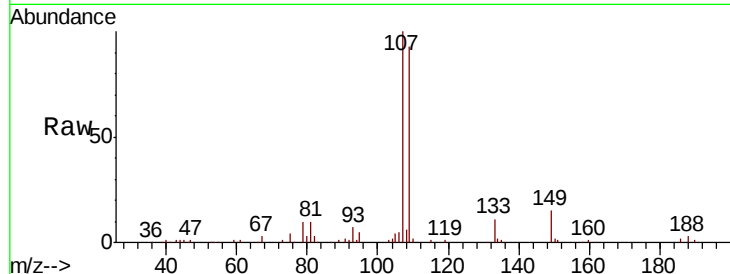




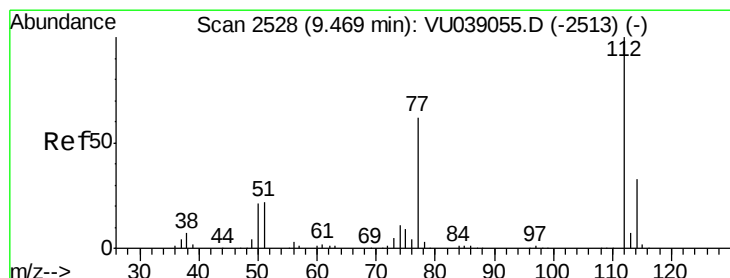
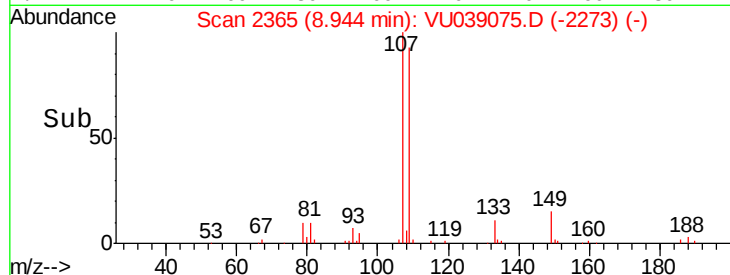
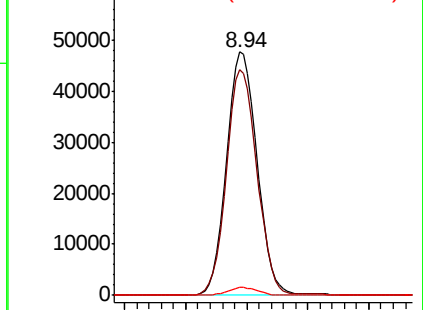
#50
 1,2-Dibromoethane
 Concen: 5.111 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:107 Resp: 83974
 Ion Ratio Lower Upper
 107 100
 109 92.8 64.8 120.4
 188 3.3 2.4 3.6

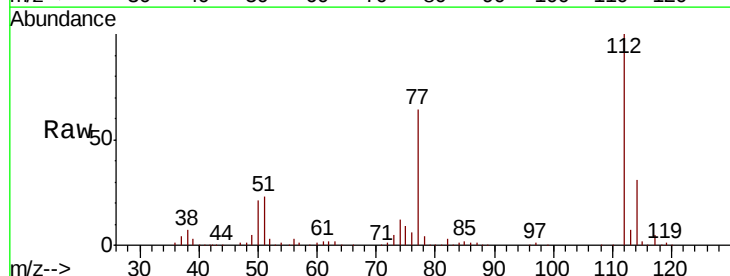


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

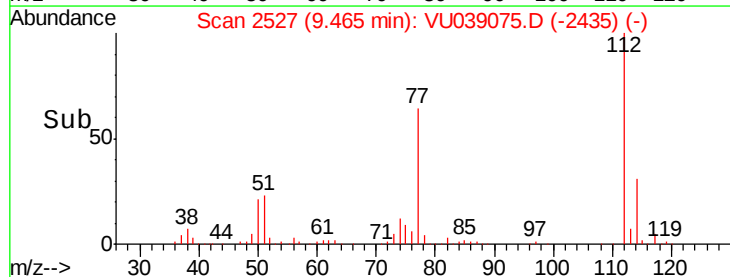
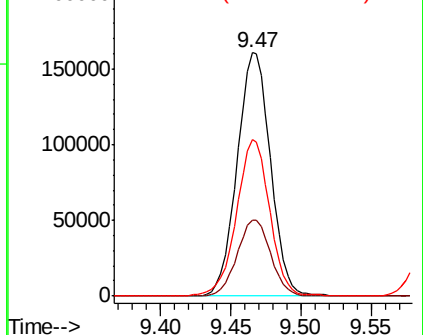


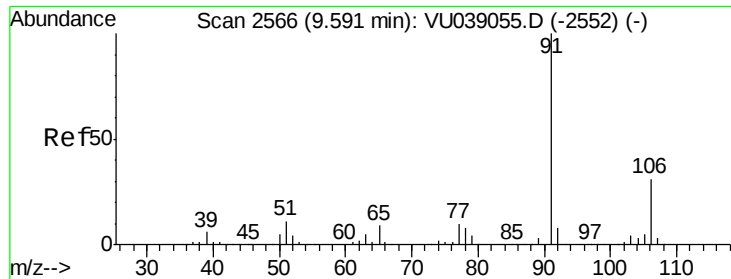
#51
 Chlorobenzene
 Concen: 4.952 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion:112 Resp: 267069
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.0 41.0
 77 64.5 50.2 75.4



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: 4.909 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

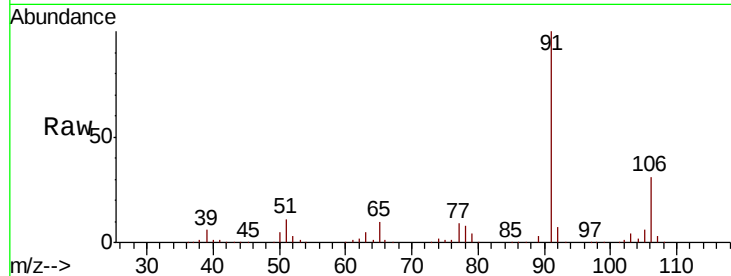
VSTD00514

Tot Ion: 91 Resp: 442062

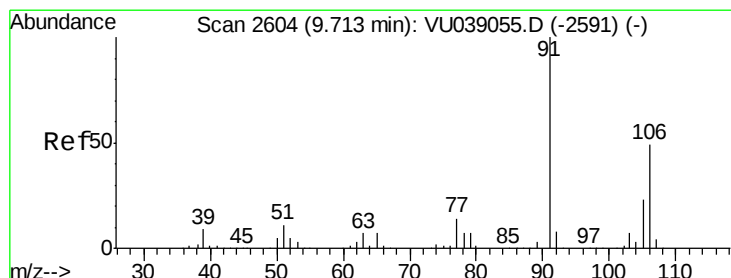
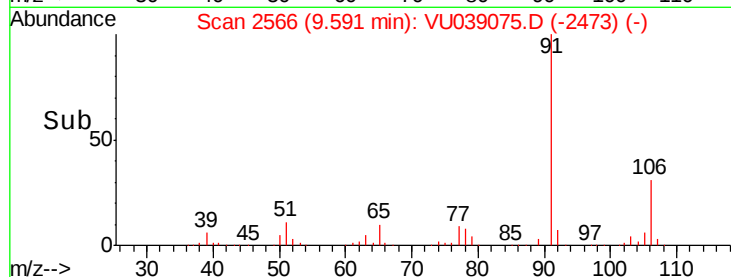
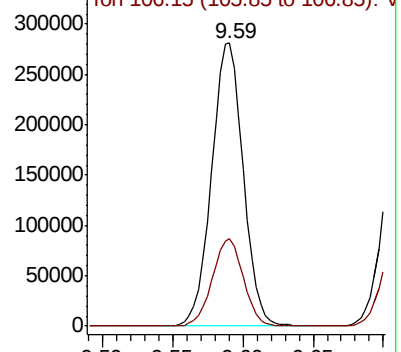
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039075.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.077 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU039075.D

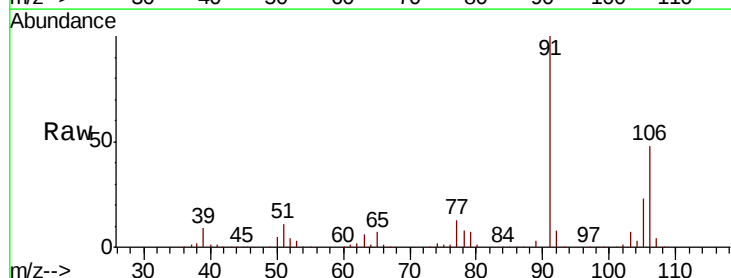
Acq: 24 Jun 2020 20:49

Tgt Ion: 106 Resp: 168107

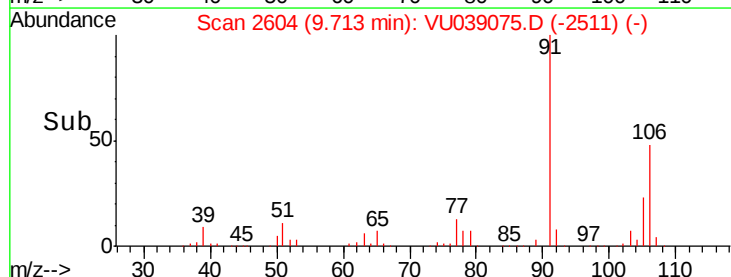
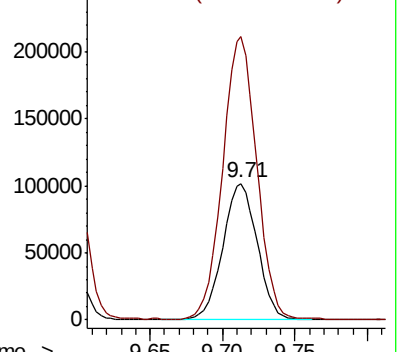
Ion Ratio Lower Upper

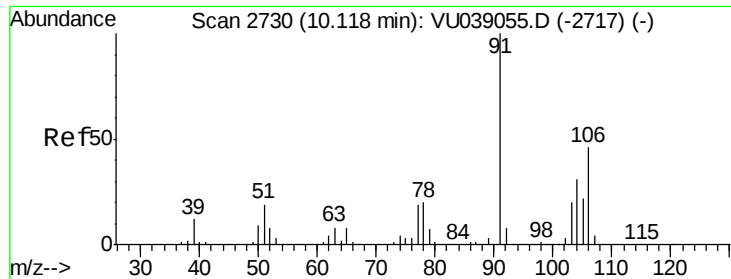
106 100

91 207.0 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039055.D (-2591) (-)

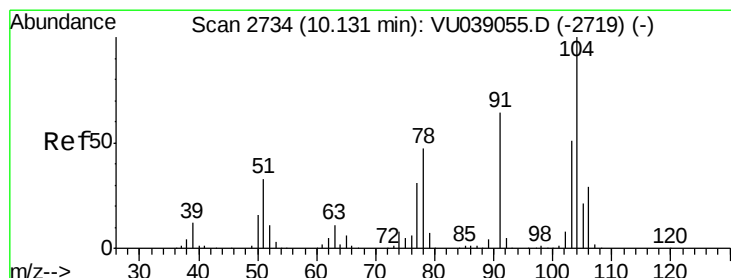
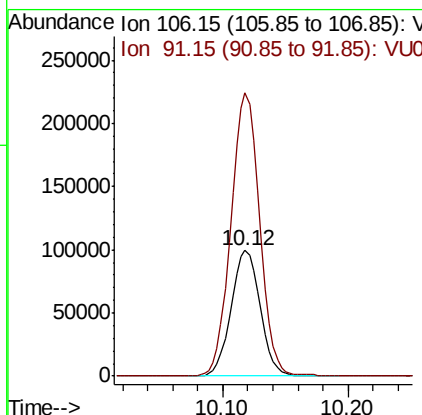
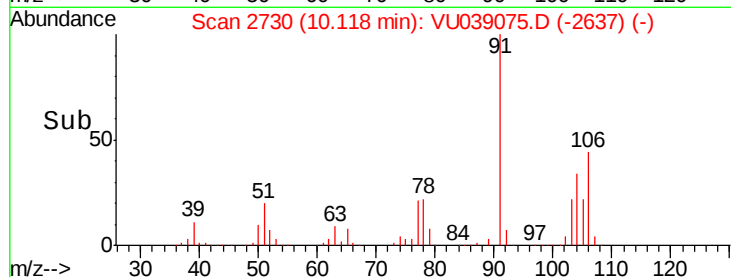
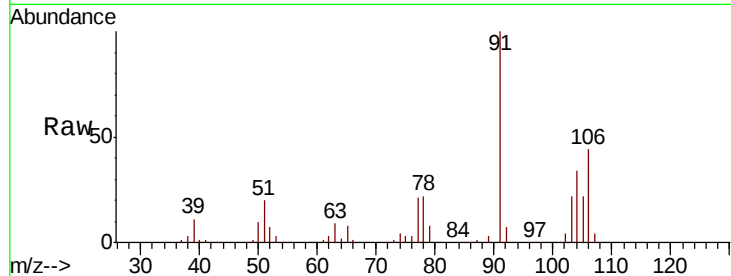




#54
o-Xylene
Concen: 5.031 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

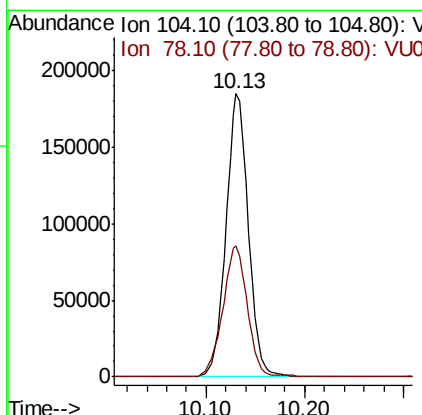
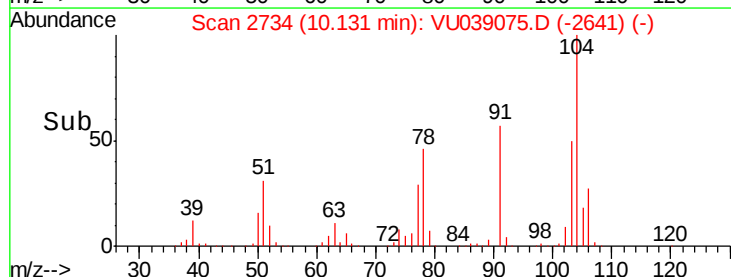
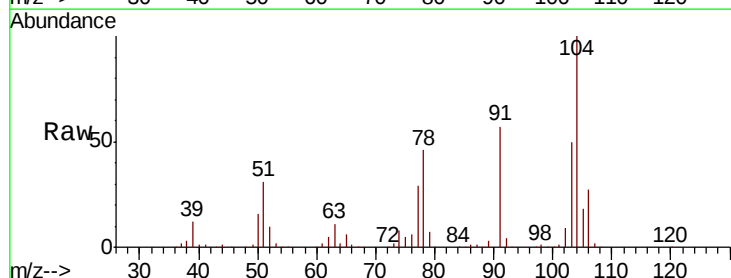
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

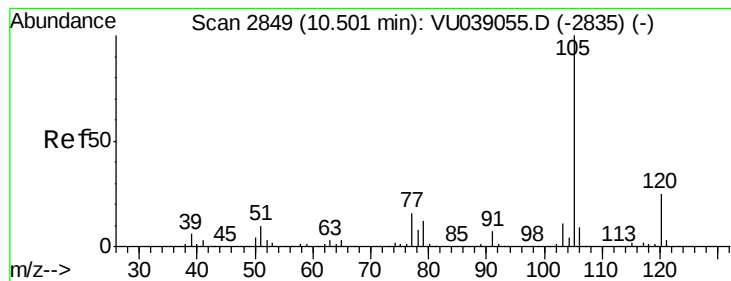
Tot Ion:106 Resp: 160027
Ion Ratio Lower Upper
106 100
91 225.0 153.5 285.1



#55
Styrene
Concen: 5.262 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU039075.D
Acq: 24 Jun 2020 20:49

Tgt Ion:104 Resp: 293948
Ion Ratio Lower Upper
104 100
78 46.1 33.5 62.1





#56

Isopropylbenzene

Concen: 4.926 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

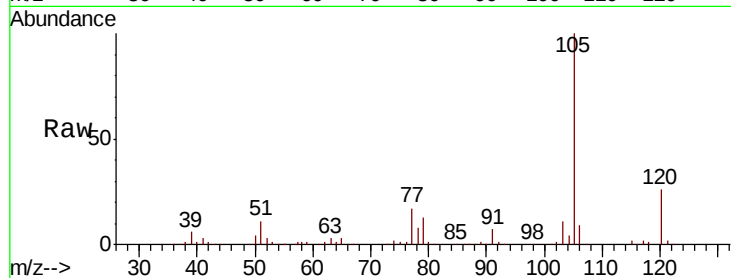
Tot Ion:105 Resp: 410517

Ion Ratio Lower Upper

105 100

120 25.5 19.9 29.9

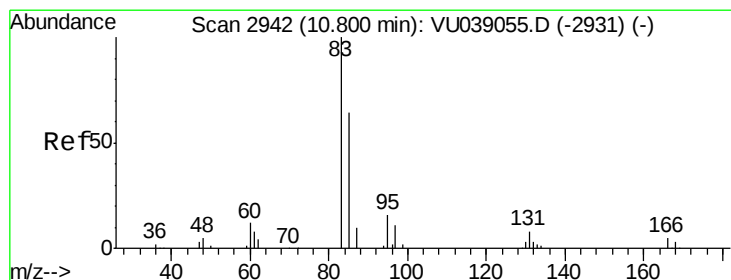
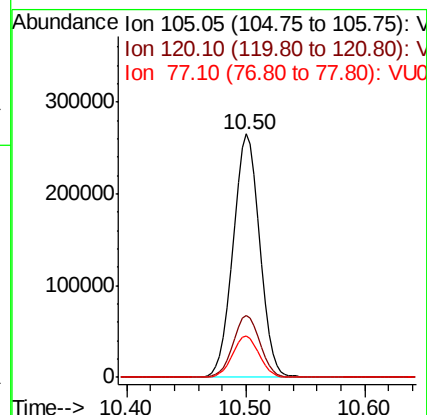
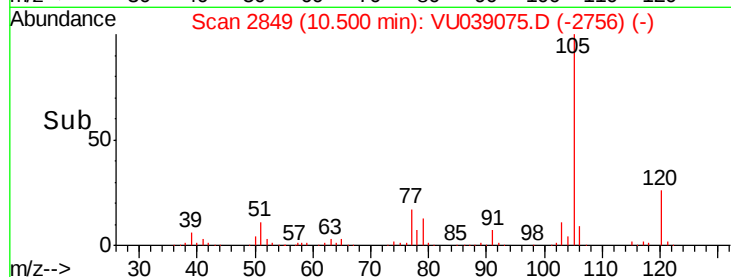
77 16.9 13.3 19.9



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: 4.989 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

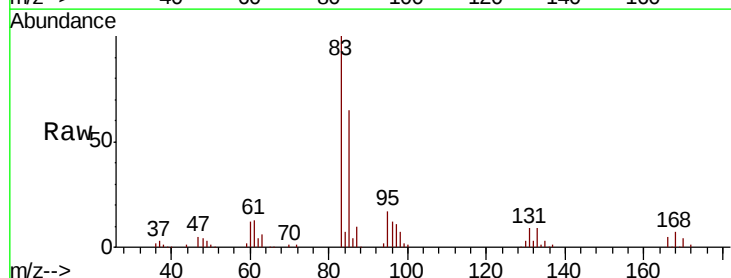
Tgt Ion: 83 Resp: 115917

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

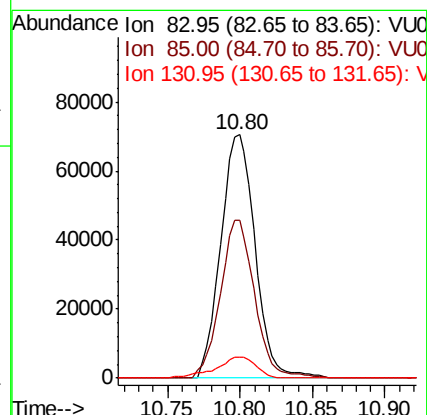
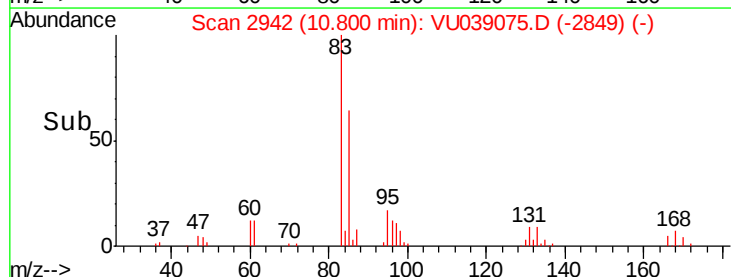
131 8.8 6.9 10.3

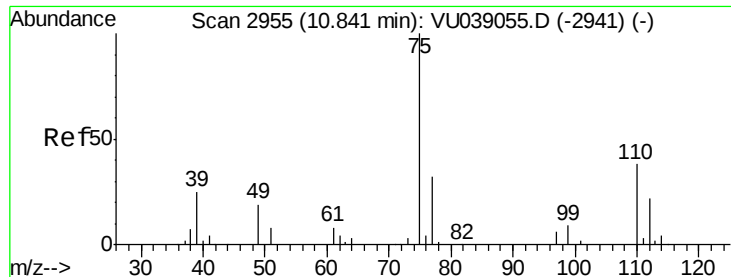


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.979 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

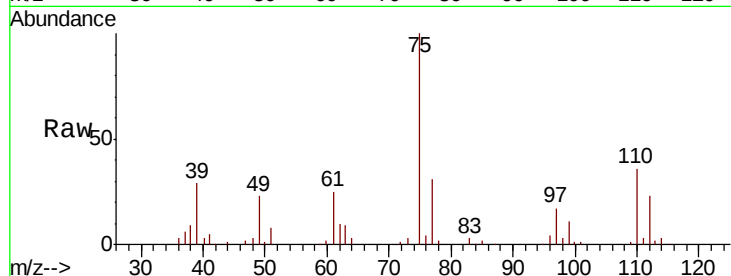
VSTD00514

Tot Ion: 75 Resp: 87769

Ion Ratio Lower Upper

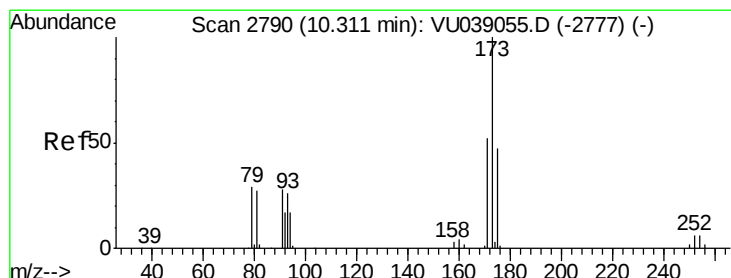
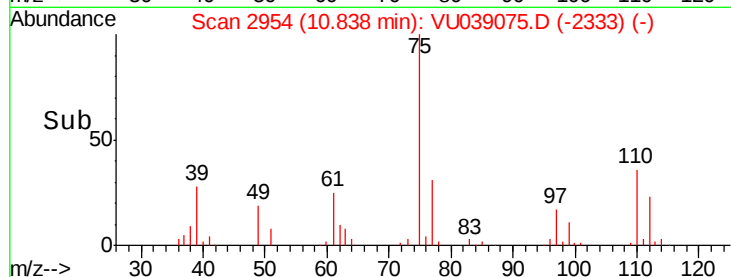
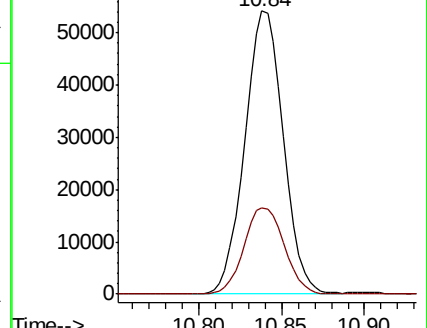
75 100

77 32.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039075.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VU039075.D (-2333) (-)



#61

Bromoform

Concen: 4.977 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

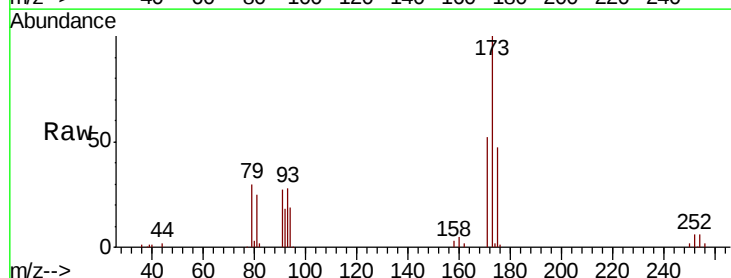
Tgt Ion: 173 Resp: 54239

Ion Ratio Lower Upper

173 100

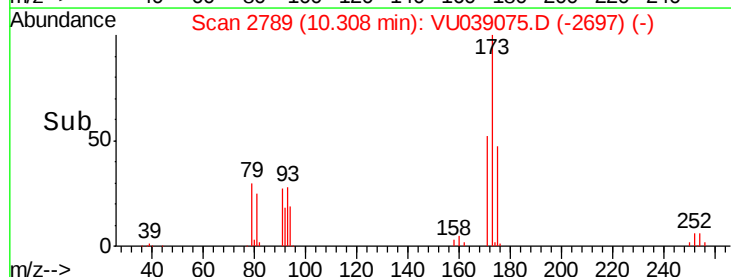
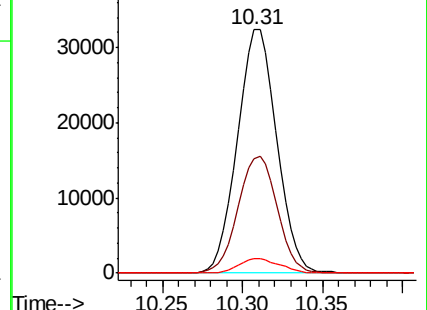
175 47.7 39.3 58.9

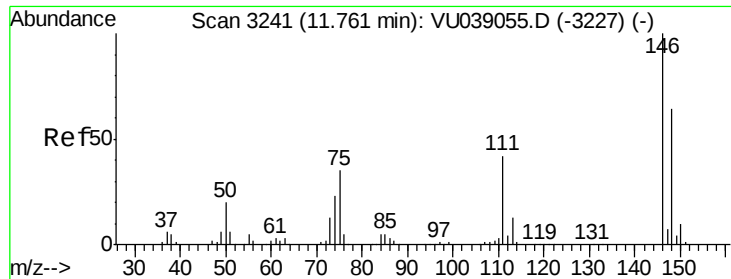
254 6.1 4.4 6.6



Abundance Ion 172.90 (172.60 to 173.60): VU039075.D (-2697) (-)

Ion 174.90 (174.60 to 175.60): VU039075.D (-2697) (-)

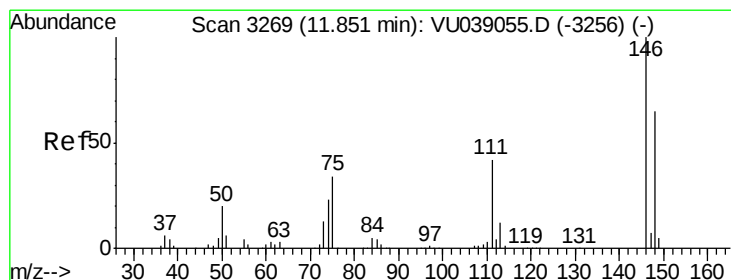
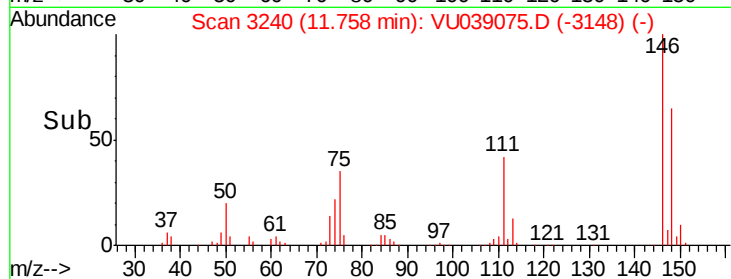
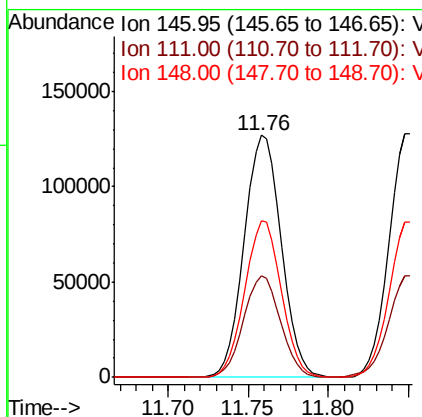
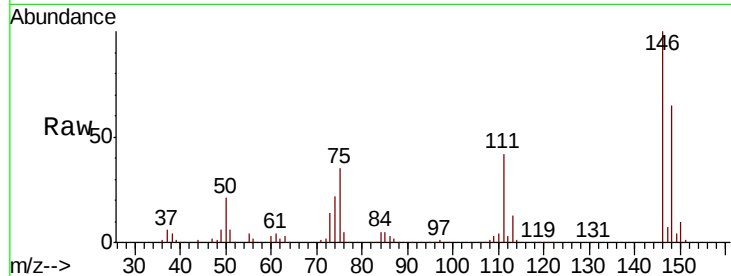




#62
 1,3-Dichlorobenzene
 Concen: 5.065 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

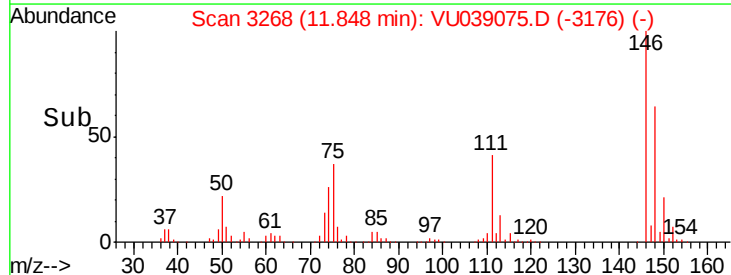
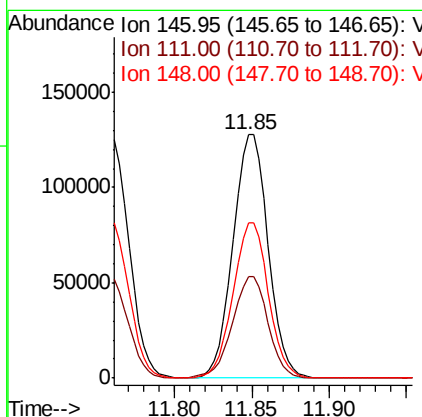
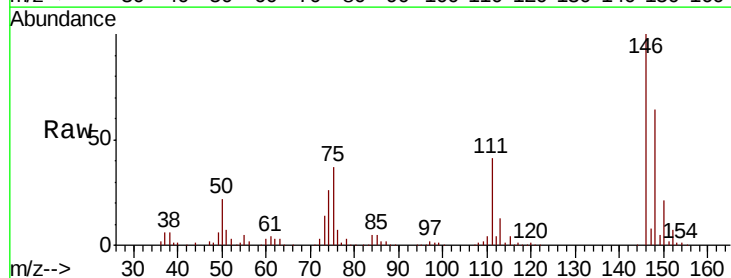
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

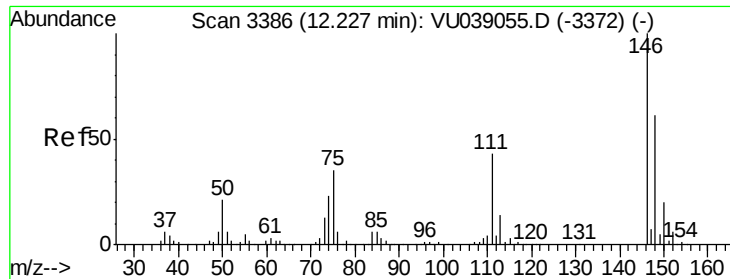
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	29.5	54.9
148	64.7	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.917 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.4	52.8
148	63.6	43.4	80.6





#65

1,2-Dichlorobenzene

Concen: 4.979 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

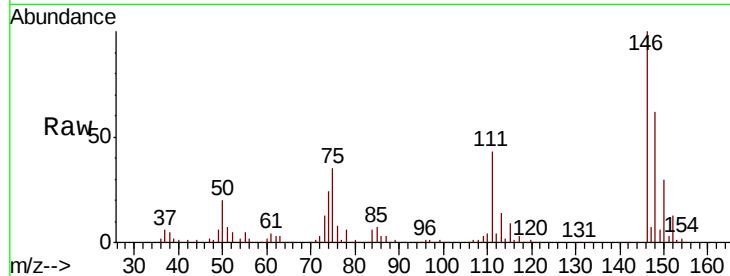
Tot Ion:146 Resp: 198051

Ion Ratio Lower Upper

146 100

111 43.5 34.7 52.1

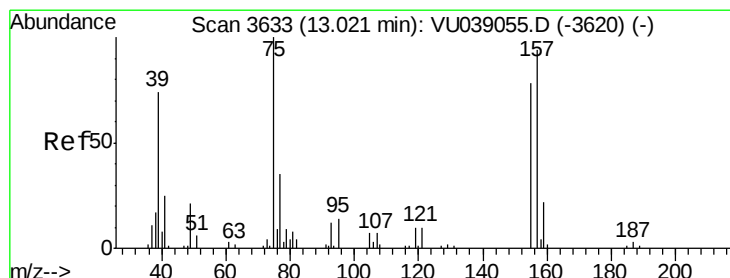
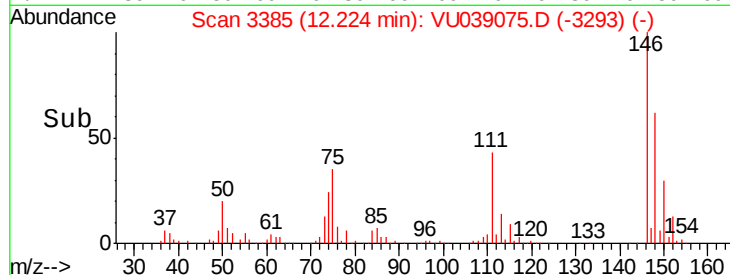
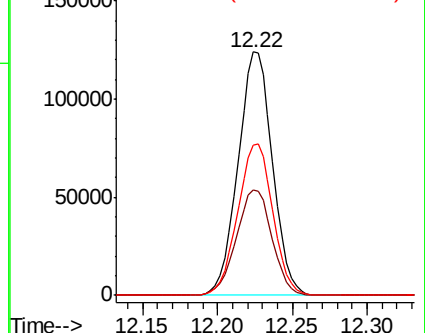
148 61.6 50.9 76.3



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: 4.854 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

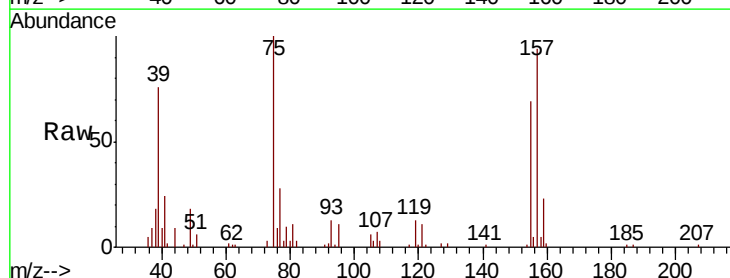
Tgt Ion: 75 Resp: 21299

Ion Ratio Lower Upper

75 100

155 68.8 58.6 88.0

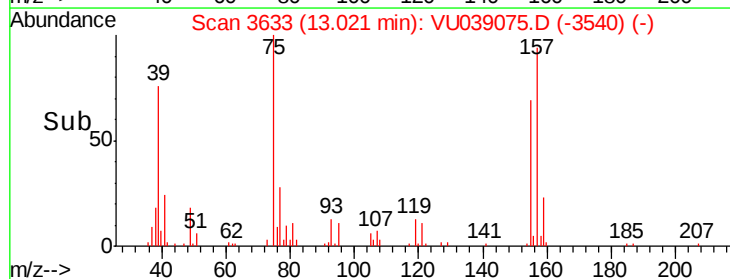
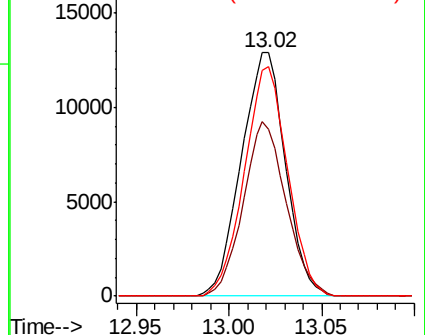
157 94.3 70.3 105.5

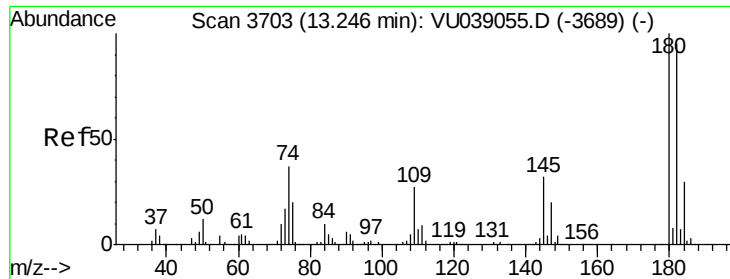


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

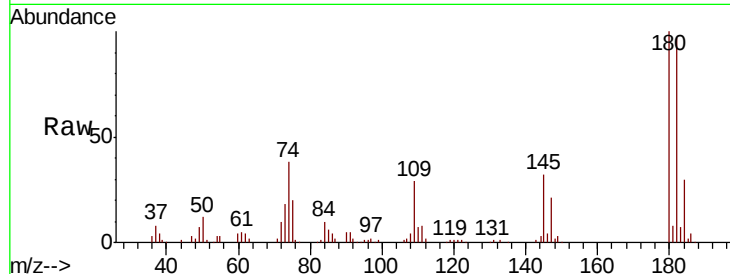




#67
 1,3,5-Trichlorobenzene
 Concen: 4.731 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.3	114.5
184	31.4	24.2	36.4
145	31.8	25.2	37.8



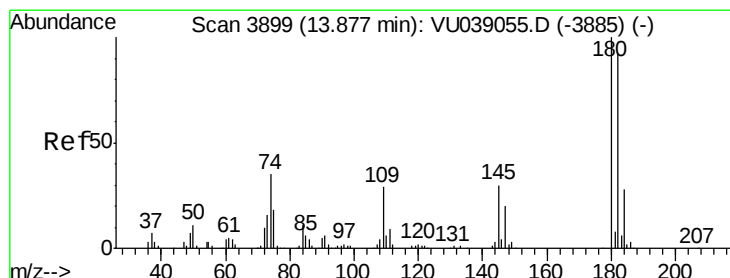
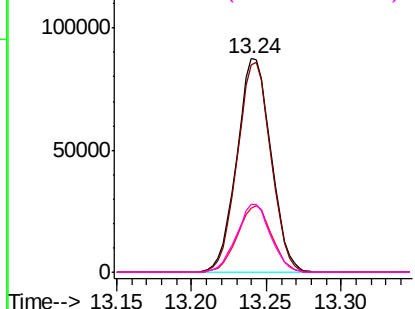
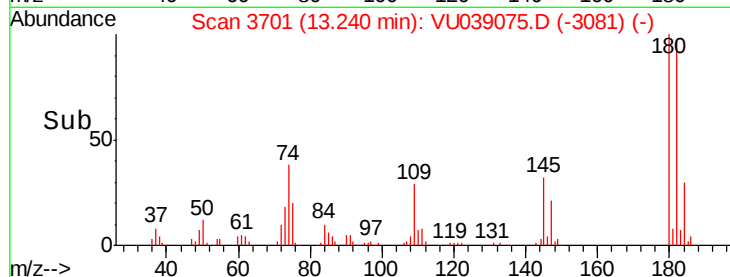
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

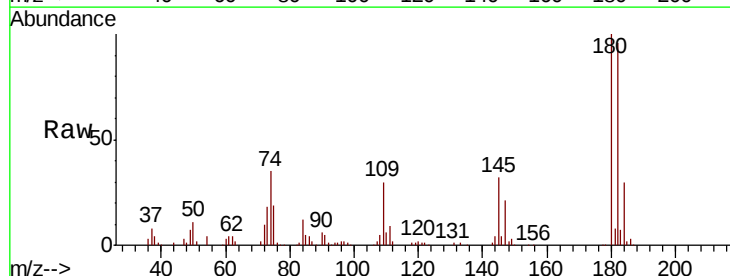
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.785 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU039075.D
 Acq: 24 Jun 2020 20:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.6
145	31.5	25.4	38.2

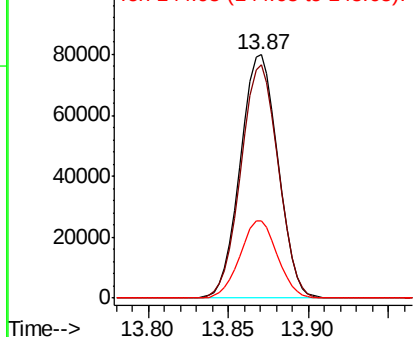
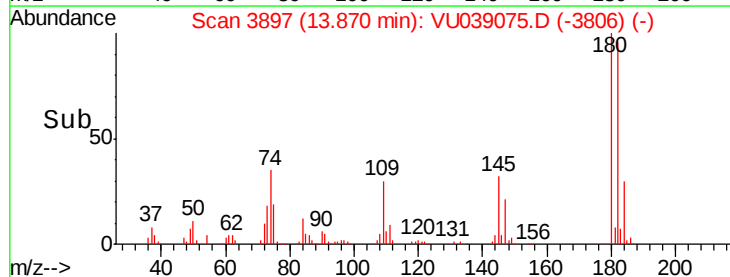


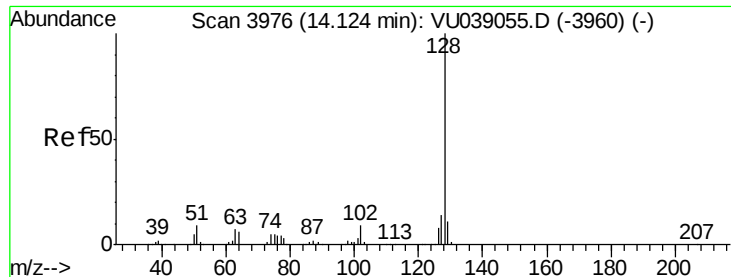
Abundance

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: 4.788 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

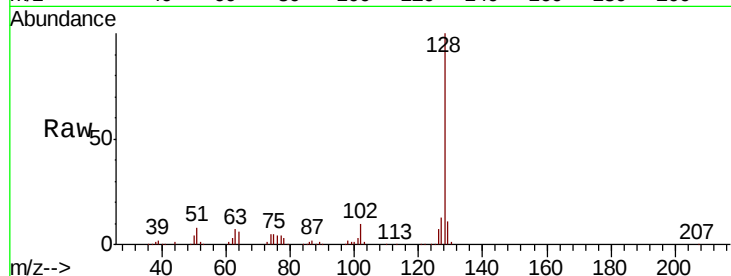
Tot Ion:128 Resp: 273207

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

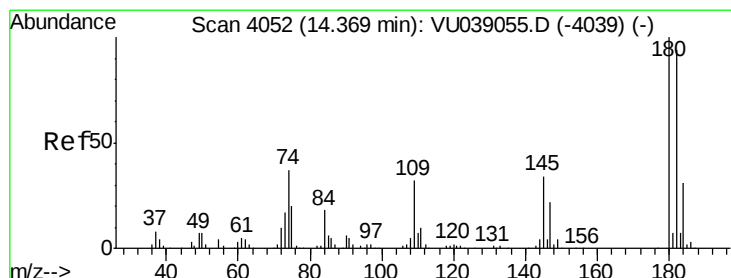
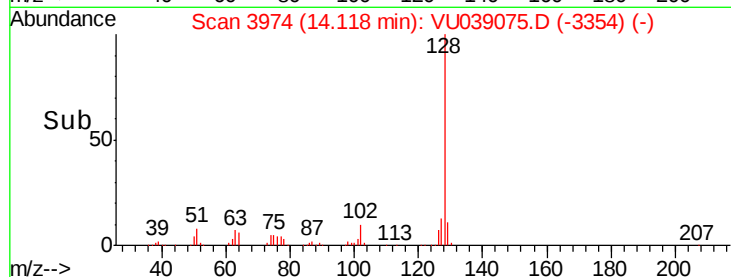
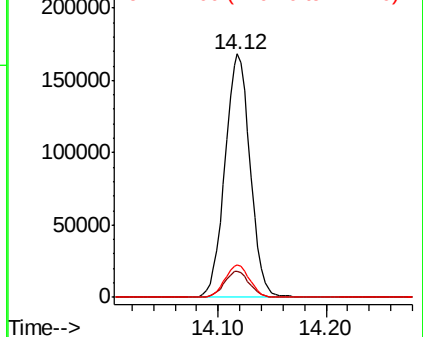
127 13.1 10.8 16.2



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: 4.886 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU039075.D

Acq: 24 Jun 2020 20:49

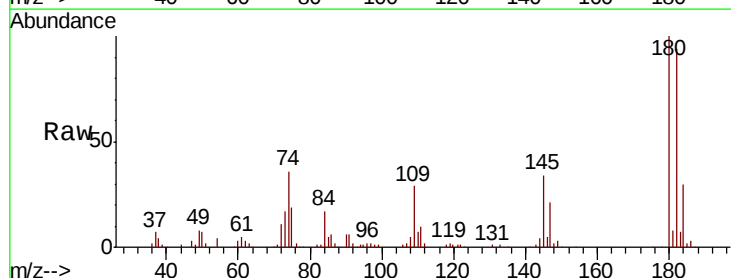
Tgt Ion:180 Resp: 126143

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 33.7 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

