

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039465.D
 Acq On : 11 Jul 2020 05:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 06:22:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 05:00:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	90018	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40615	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24704	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	29798	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.58	63	47639	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.66	46	131539	55.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	5.09	84	54991	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	35537	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.75	84	96117	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.71	67	36384	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	80046	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.19	79	14734	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	101414	53.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	37400	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	35162	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	28218	5.172	ug/L	98
3) Chloromethane	1.53	50	34049	5.151	ug/L	97
5) Vinyl chloride	1.61	62	36813	5.015	ug/L	96
6) Bromomethane	1.87	94	18413	5.825	ug/L	98
8) Chloroethane	1.94	64	32141	6.061	ug/L	93
9) Trichlorofluoromethane	2.15	101	59786	4.691	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	23118	4.420	ug/L	97
12) 1,1-Dichloroethene	2.59	96	25479	4.759	ug/L	91
13) Acetone	2.66	43	66491	51.602	ug/L	99
14) Carbon disulfide	2.81	76	83173	4.410	ug/L	99
15) Methyl Acetate	2.97	43	17437	5.123	ug/L	94
16) Methylene chloride	3.06	84	32715	4.858	ug/L	95
17) Methyl tert-butyl Ether	3.39	73	84138	4.988	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	28559	4.819	ug/L	99
19) 1,1-Dichloroethane	3.89	63	58799	5.071	ug/L	96
21) 2-Butanone	4.73	43	113831	49.495	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	32420	4.878	ug/L	94

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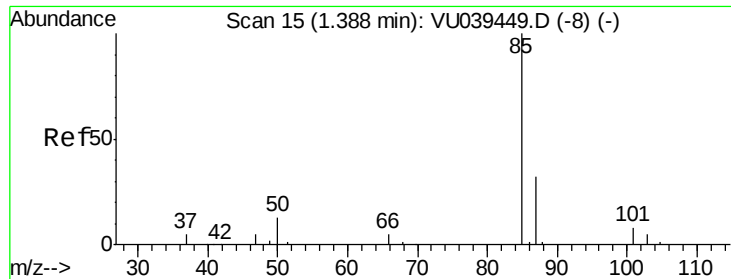
Instrument :
 MSVOA_U
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Quant Time: Jul 11 06:22:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 05:00:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	15284	5.062	ug/L	90
25) Chloroform	5.11	83	63900	5.456	ug/L	95
27) 1,2-Dichloroethane	5.81	62	44088	5.205	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	49784	4.931	ug/L	98
30) Cyclohexane	5.41	56	42702	4.017	ug/L	99
31) Carbon tetrachloride	5.54	117	39517	4.588	ug/L	96
33) Benzene	5.79	78	124355	4.852	ug/L	100
34) Trichloroethene	6.56	95	31842	4.806	ug/L	98
35) Methylcyclohexane	6.77	83	39820	3.751	ug/L	97
37) 1,2-Dichloropropane	6.81	63	33843	4.844	ug/L	100
38) Bromodichloromethane	7.12	83	43198	4.842	ug/L #	98
39) cis-1,3-Dichloropropene	7.62	75	47695	4.516	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	289299	49.638	ug/L	98
42) Toluene	7.98	91	128312	4.675	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	43813	4.676	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	26280	5.237	ug/L	97
47) Tetrachloroethene	8.56	164	19666	4.267	ug/L	97
48) 2-Hexanone	8.69	43	222289	51.728	ug/L	96
49) Dibromochloromethane	8.82	129	29569	4.865	ug/L	100
50) 1,2-Dibromoethane	8.93	107	24275	4.762	ug/L #	95
51) Chlorobenzene	9.45	112	79330	4.731	ug/L	98
52) Ethylbenzene	9.57	91	137103	4.520	ug/L	99
53) m,p-Xylene	9.70	106	49528	4.334	ug/L	99
54) o-Xylene	10.10	106	50966	4.581	ug/L	98
55) Styrene	10.11	104	87291	4.509	ug/L	96
56) Isopropylbenzene	10.48	105	127691	4.244	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	34751	4.975	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	24970	4.849	ug/L	99
61) Bromoform	10.29	173	16573	4.841	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	59743	4.694	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	58853	4.609	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	61238	4.800	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	5741	5.094	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	41673	4.376	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	37204	4.565	ug/L	98
69) Naphthalene	14.08	128	72063	4.394	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	34422	4.558	ug/L	97

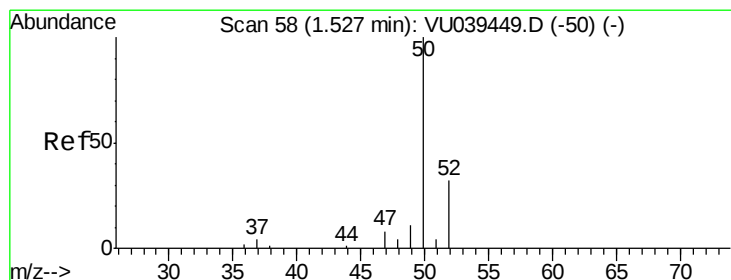
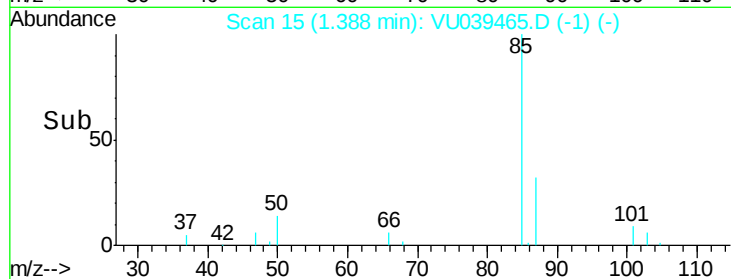
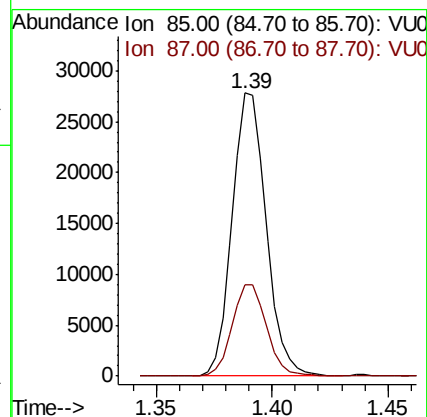
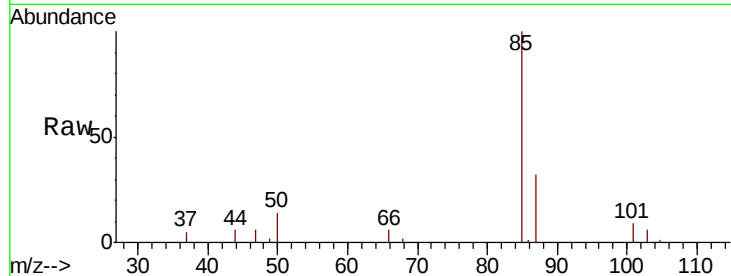
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.172 ug/L
 RT: 1.39 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

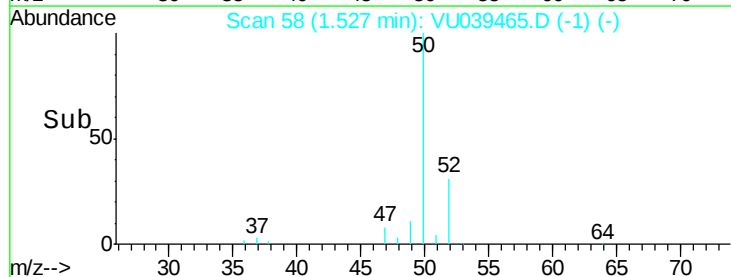
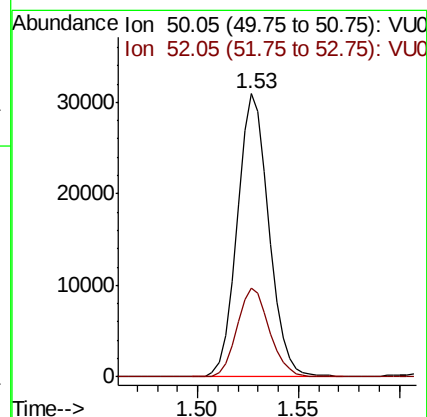
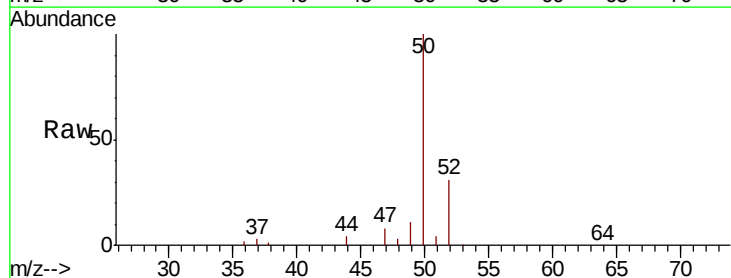
Instrument :
 MSVOA_U
 ClientSampleId :

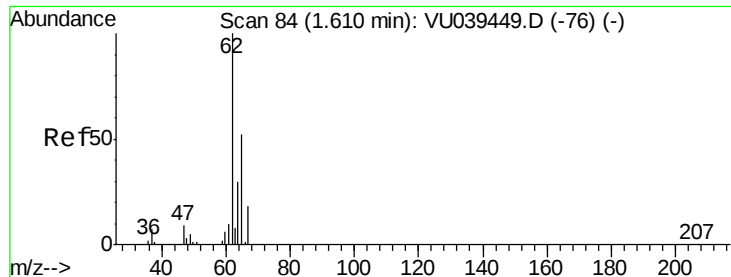
Tot Ion: 85 Resp: 28218
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.2 37.8



#3
 Chloromethane
 Concen: 5.151 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 50 Resp: 34049
 Ion Ratio Lower Upper
 50 100
 52 31.3 23.0 42.8





#5

Vinyl chloride

Concen: 5.015 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

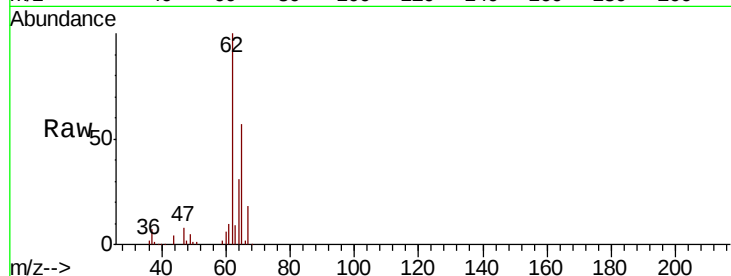
ClientSampleId :

Tot Ion: 62 Resp: 36813

Ion Ratio Lower Upper

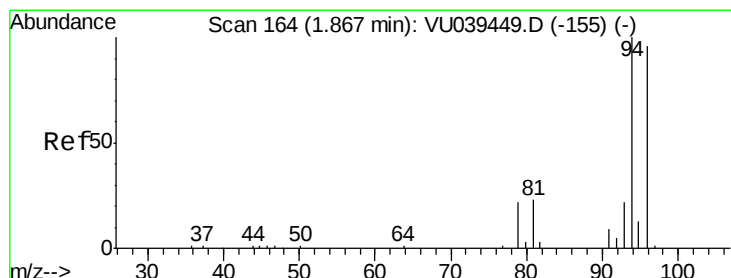
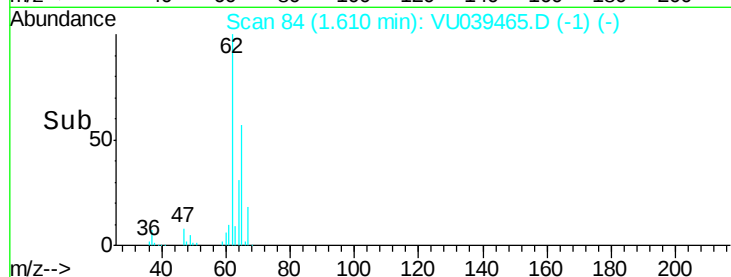
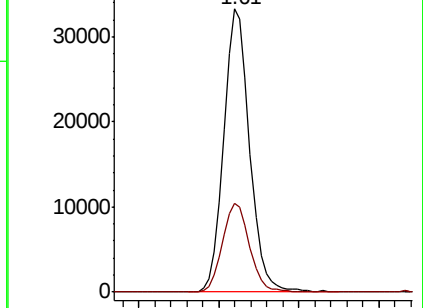
62 100

64 31.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039449.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039449.D (-76) (-)



#6

Bromomethane

Concen: 5.825 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039465.D

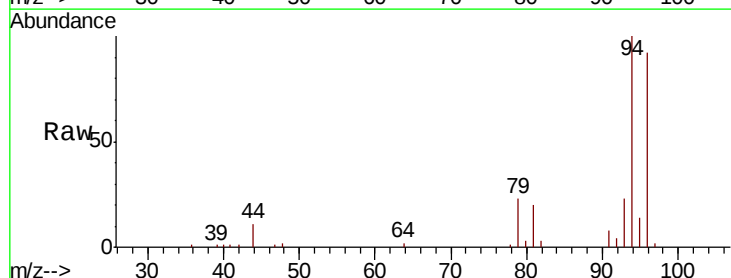
Acq: 11 Jul 2020 05:51

Tgt Ion: 94 Resp: 18413

Ion Ratio Lower Upper

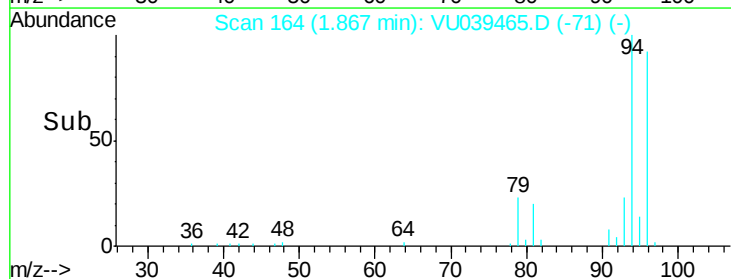
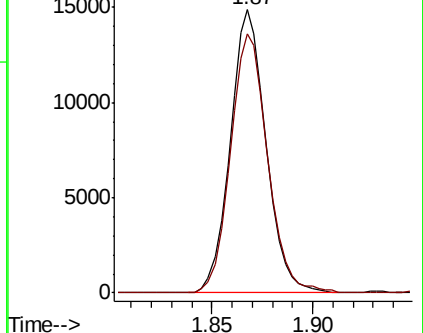
94 100

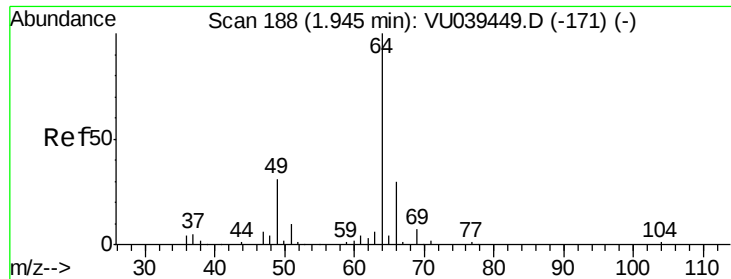
96 91.7 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039449.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039449.D (-155) (-)

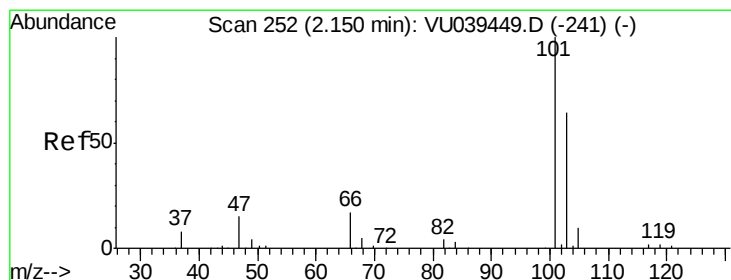
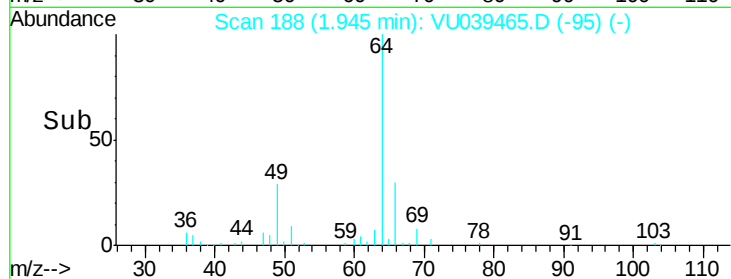
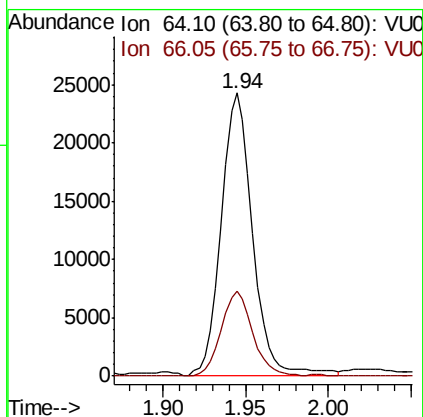
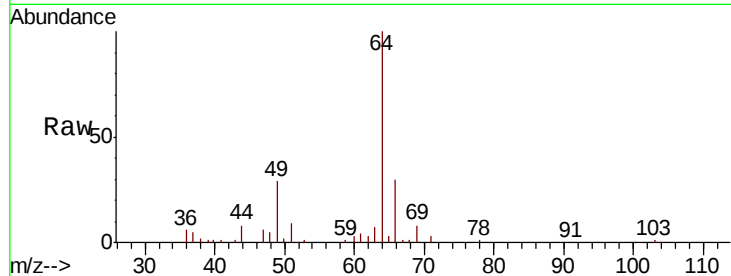




#8
Chloroethane
Concen: 6.061 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

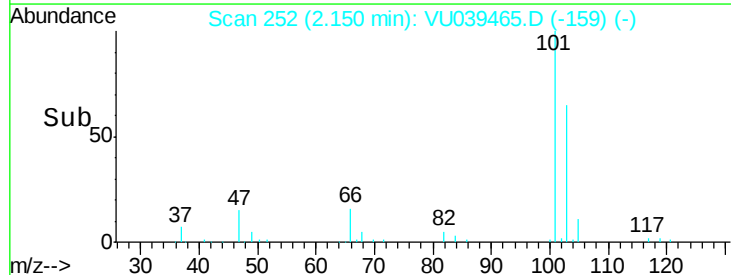
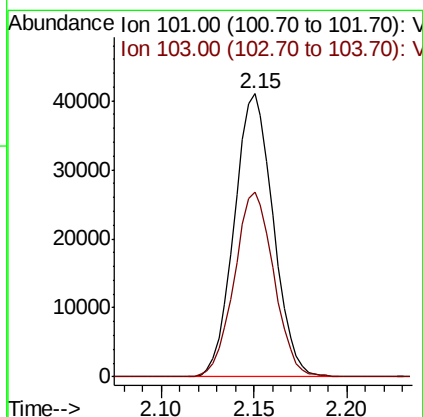
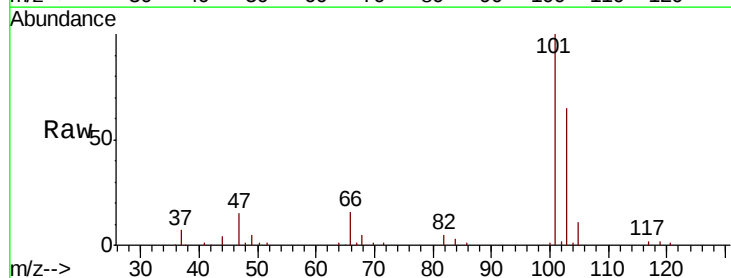
Instrument :
MSVOA_U
ClientSampled :

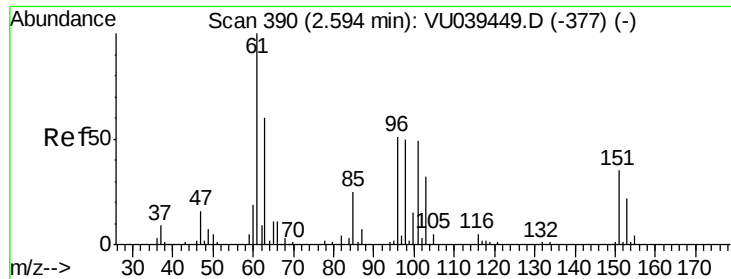
Tot Ion: 64 Resp: 32141
Ion Ratio Lower Upper
64 100
66 29.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 4.691 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion:101 Resp: 59786
Ion Ratio Lower Upper
101 100
103 66.1 50.6 76.0





#10

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

Concen: 4.420 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

ClientSampled :

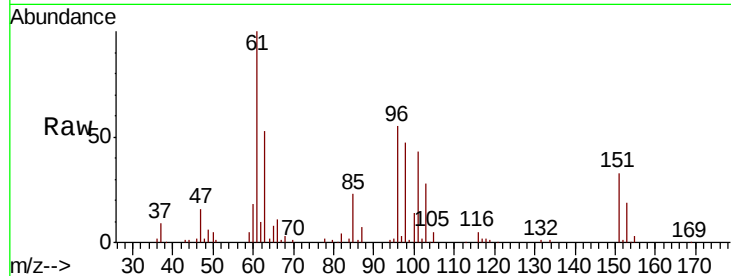
Tot Ion:101 Resp: 23118

Ion Ratio Lower Upper

101 100

85 50.9 38.9 58.3

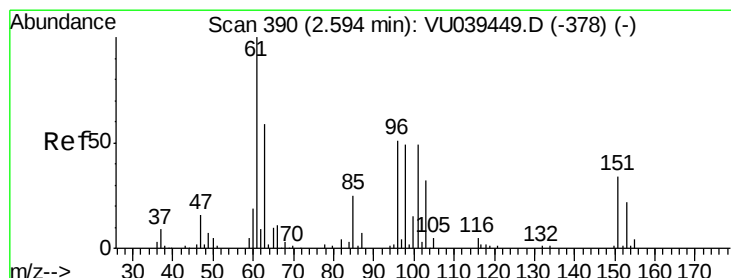
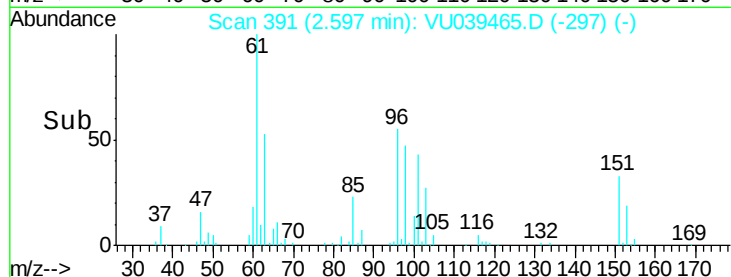
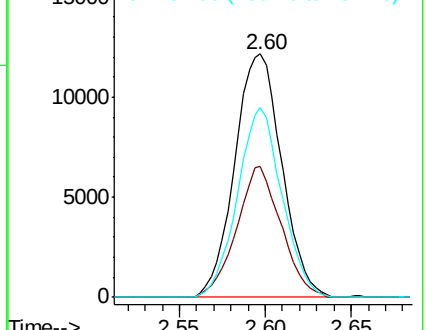
151 73.7 57.0 85.4



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: 4.759 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

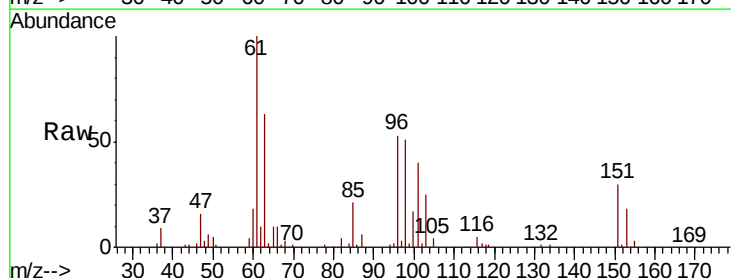
Tgt Ion: 96 Resp: 25479

Ion Ratio Lower Upper

96 100

61 188.0 125.4 232.8

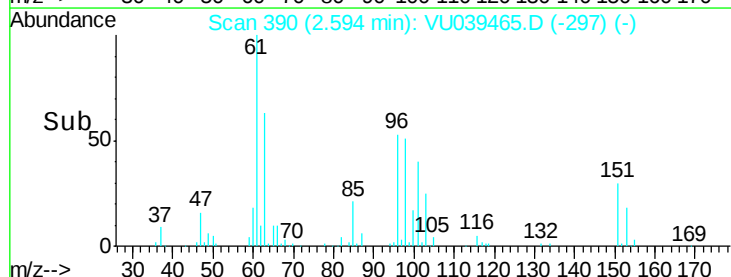
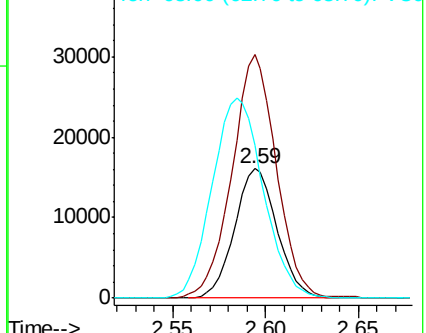
63 118.2 92.7 172.3

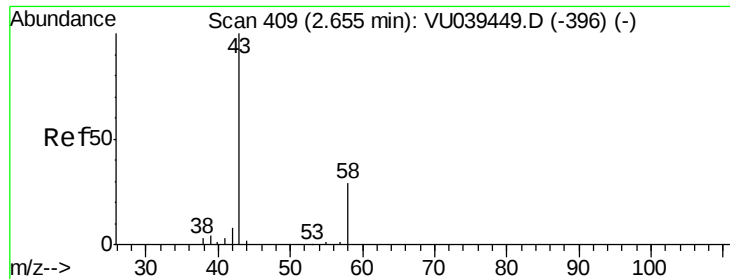


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

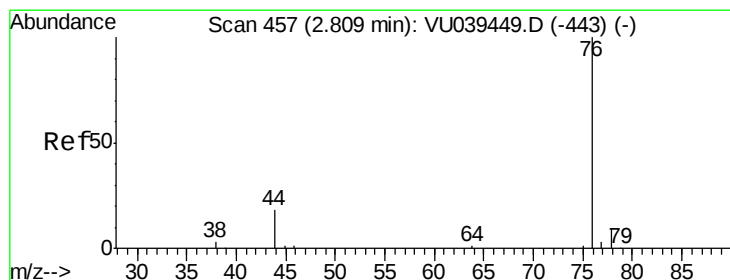
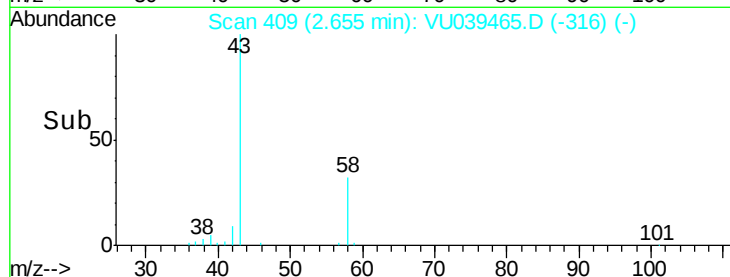
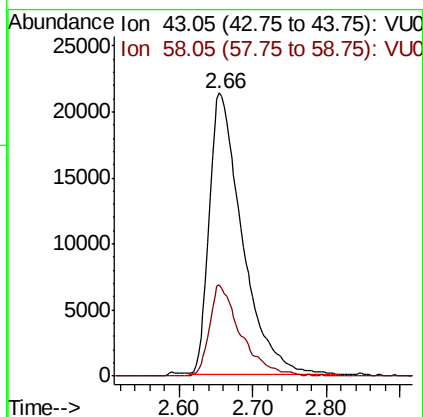
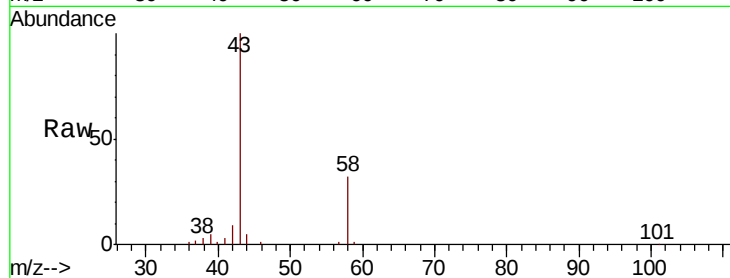




#13
Acetone
Concen: 51.602 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

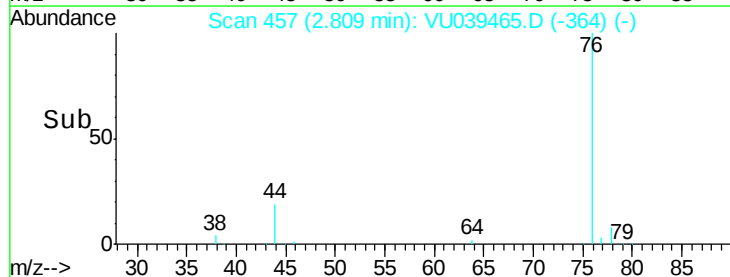
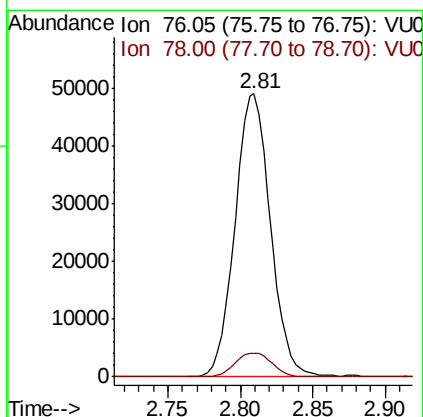
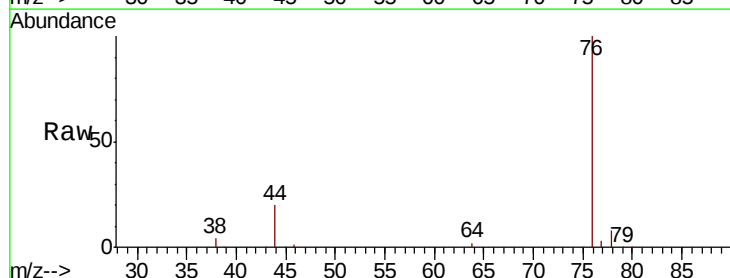
Instrument :
MSVOA_U
ClientSampleId :

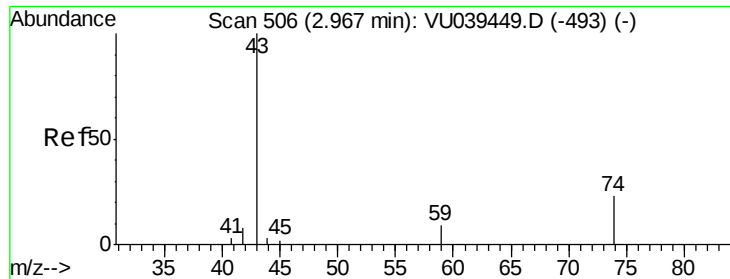
Tot Ion: 43 Resp: 66491
Ion Ratio Lower Upper
43 100
58 30.6 0.0 62.8



#14
Carbon disulfide
Concen: 4.410 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion: 76 Resp: 83173
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4





#15

Methyl Acetate

Concen: 5.123 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

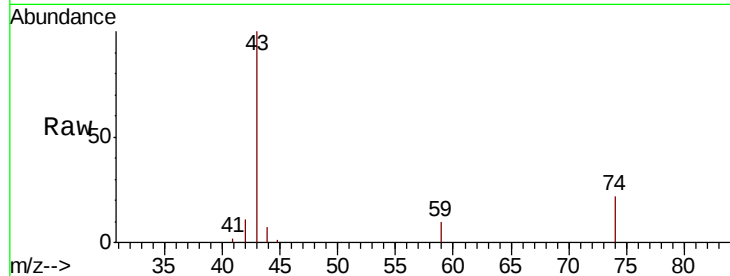
ClientSampled :

Tot Ion: 43 Resp: 17437

Ion Ratio Lower Upper

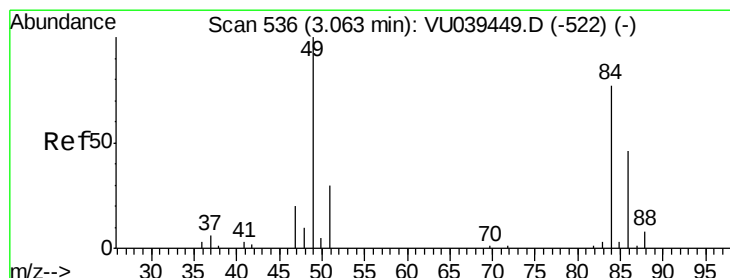
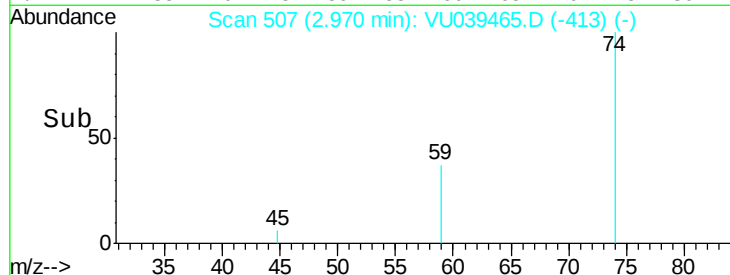
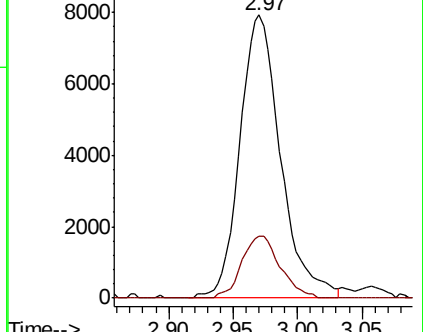
43 100

74 20.5 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU039449.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU039449.D (-493) (-)



#16

Methylene chloride

Concen: 4.858 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

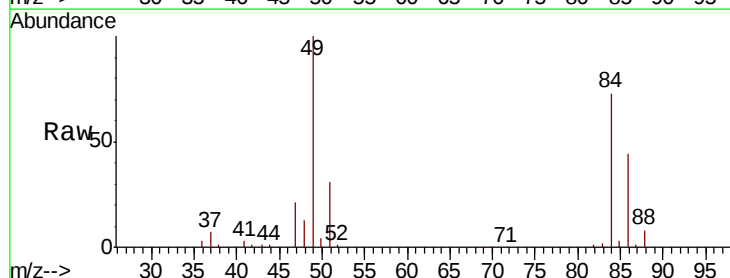
Tgt Ion: 84 Resp: 32715

Ion Ratio Lower Upper

84 100

86 60.5 43.5 80.9

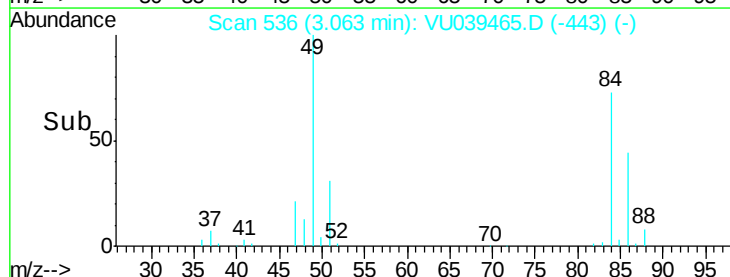
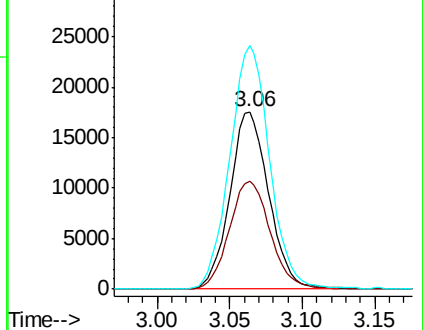
49 137.1 91.1 169.1

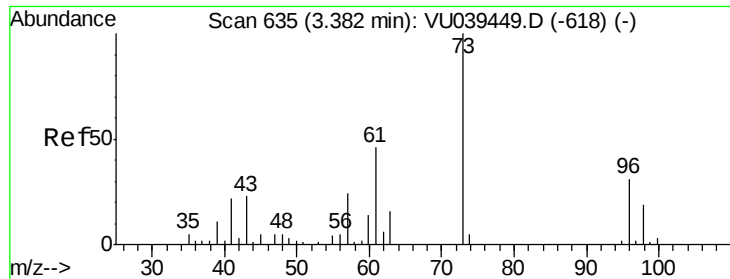


Abundance Ion 84.05 (83.75 to 84.75): VU039449.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039449.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039449.D (-522) (-)

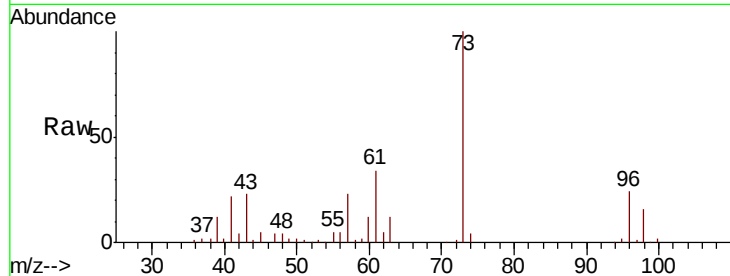




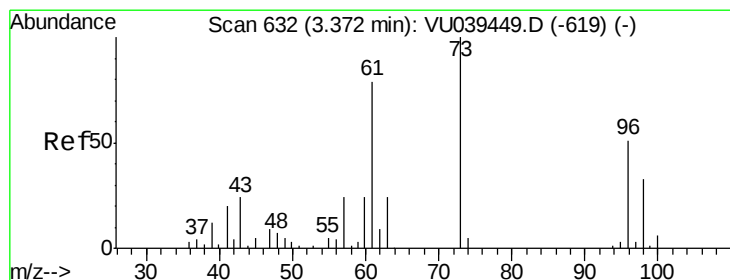
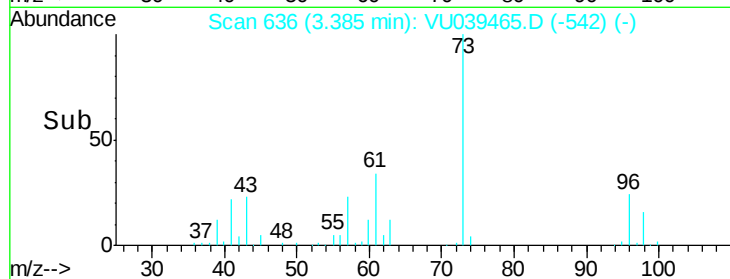
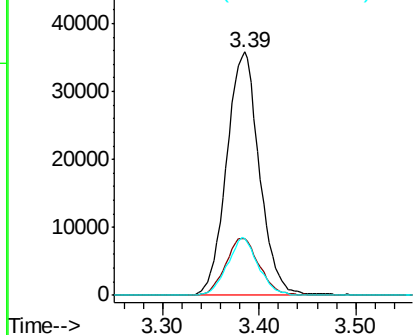
#17
Methvl tert-butvl Ether
Concen: 4.988 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 84138
Ion Ratio Lower Upper
73 100
43 24.1 18.6 28.0
57 22.3 17.9 26.9

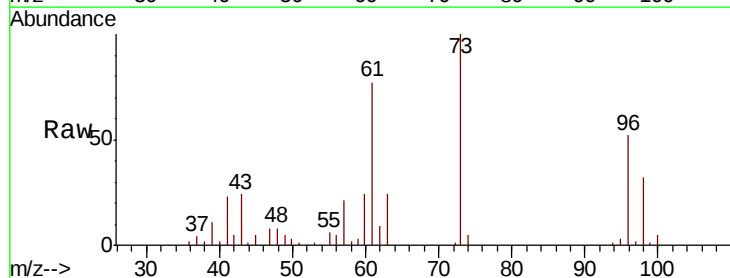


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

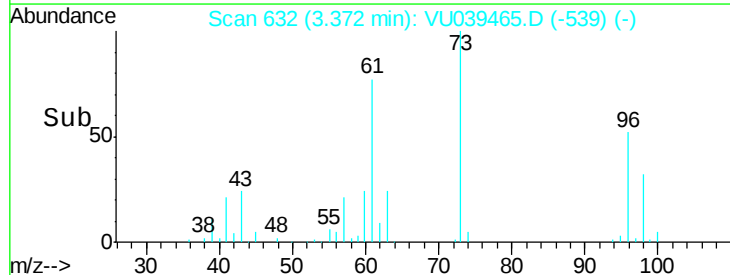
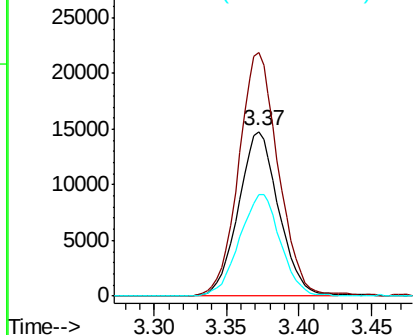


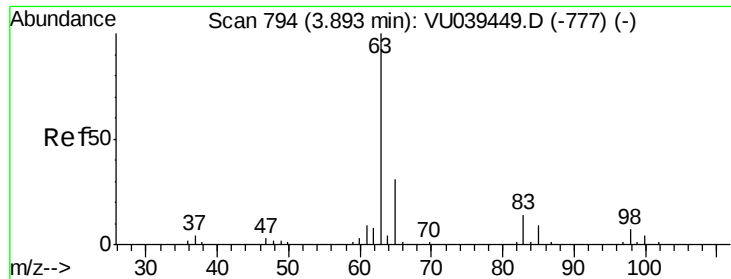
#18
trans-1,2-Dichloroethene
Concen: 4.819 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion: 96 Resp: 28559
Ion Ratio Lower Upper
96 100
61 147.9 102.1 189.5
98 61.3 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

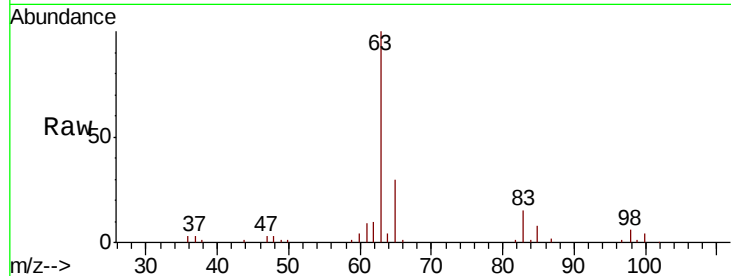




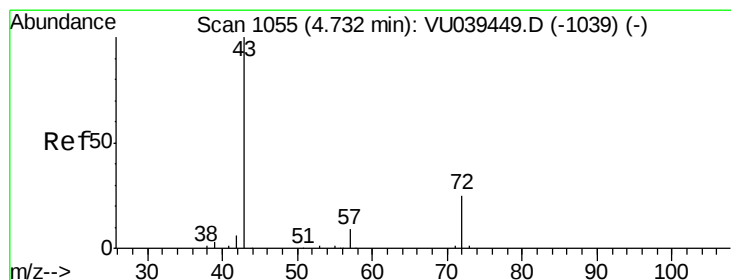
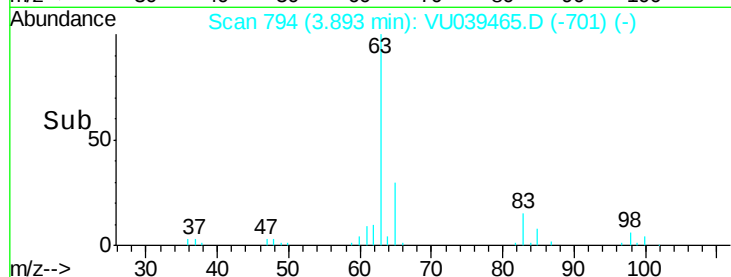
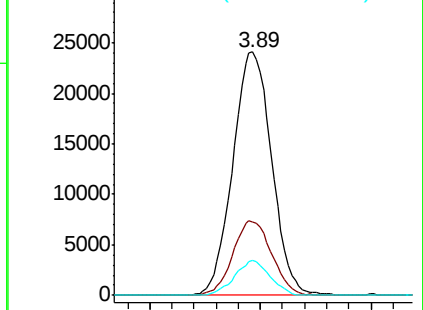
#19
 1,1-Dichloroethane
 Concen: 5.071 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 58799
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.0 42.6
 83 14.6 9.6 17.8

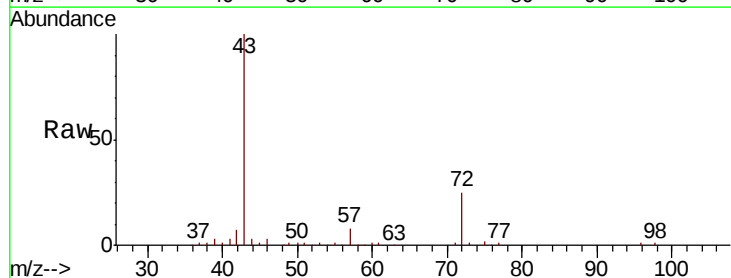


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

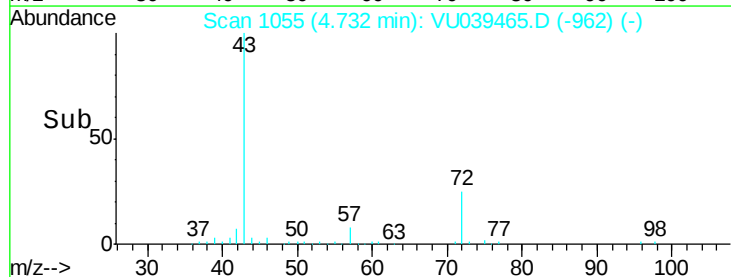
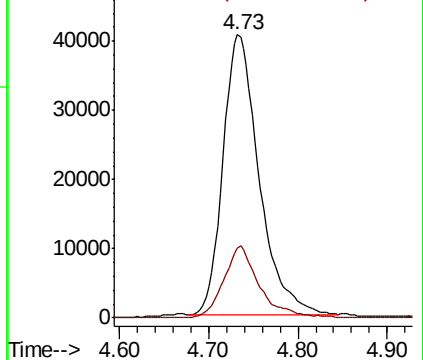


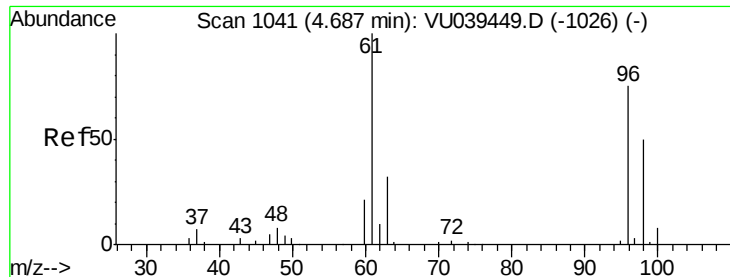
#21
 2-Butanone
 Concen: 49.495 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 43 Resp: 113831
 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

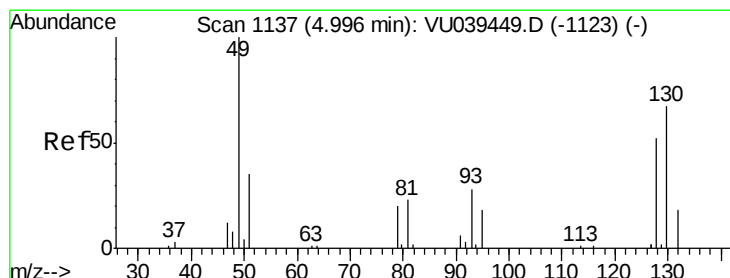
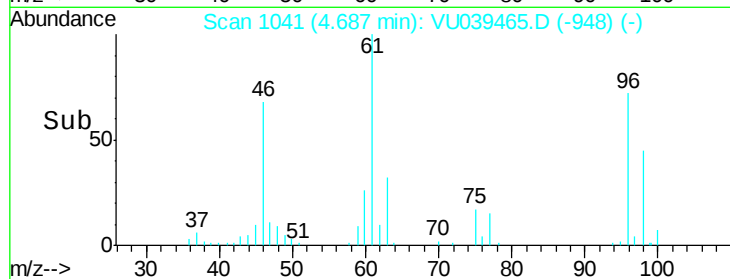
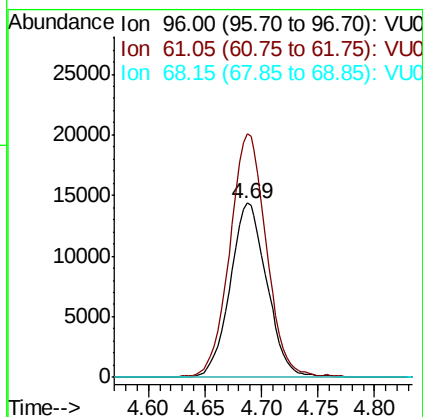
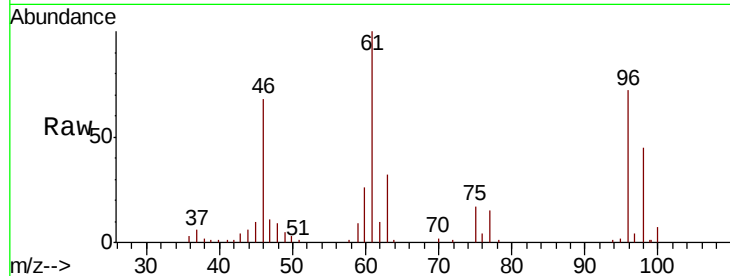




#22
 cis-1,2-Dichloroethene
 Concen: 4.878 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

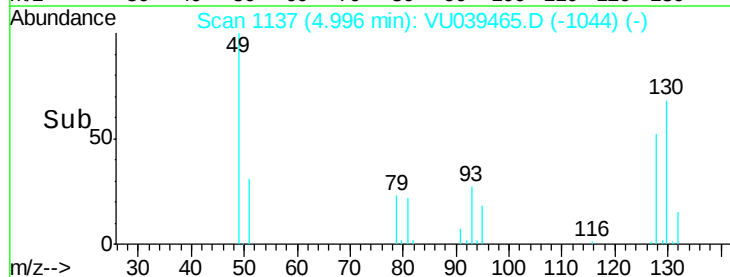
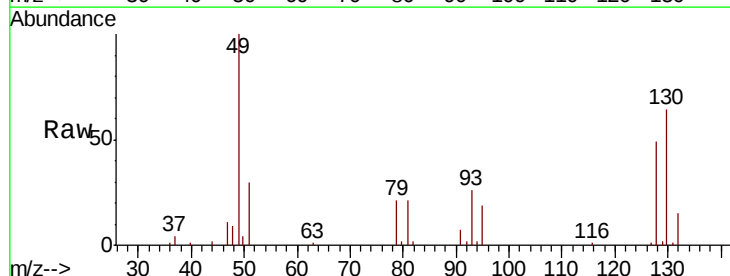
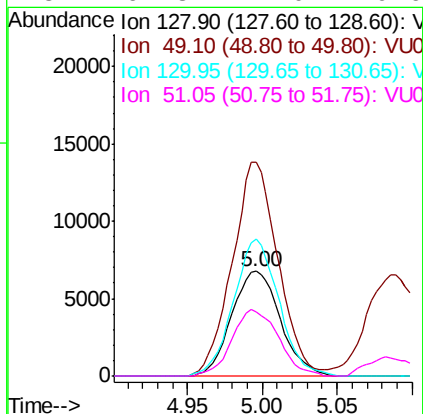
Instrument :
 MSVOA_U
 ClientSampled :

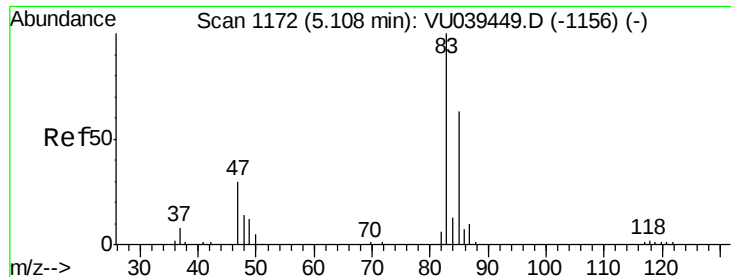
Tot Ion: 96 Resp: 32420
 Ion Ratio Lower Upper
 96 100
 61 139.7 92.8 172.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.062 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 128 Resp: 15284
 Ion Ratio Lower Upper
 128 100
 49 210.8 128.5 238.7
 130 130.3 91.5 169.9
 51 61.3 47.0 70.6

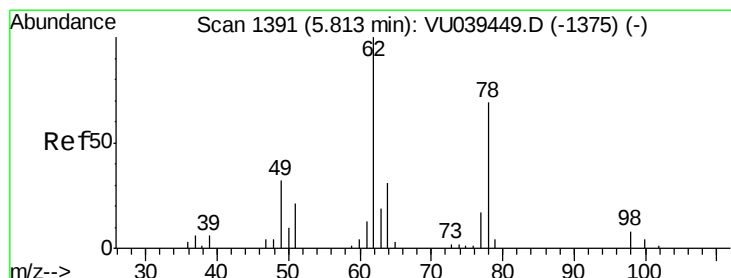
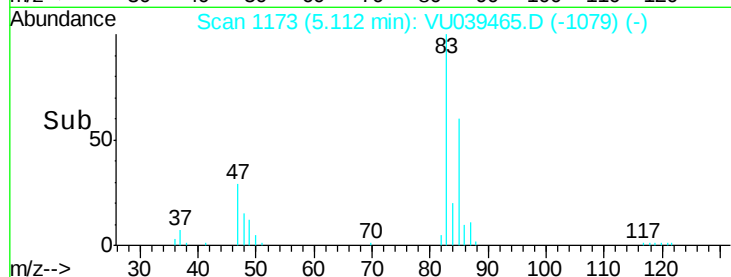
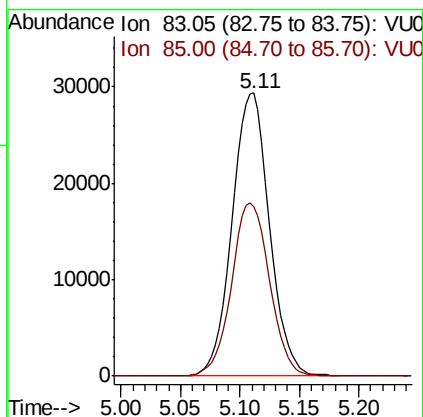
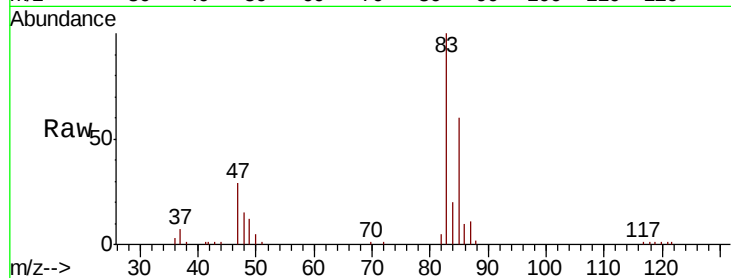




#25
Chloroform
Concen: 5.456 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

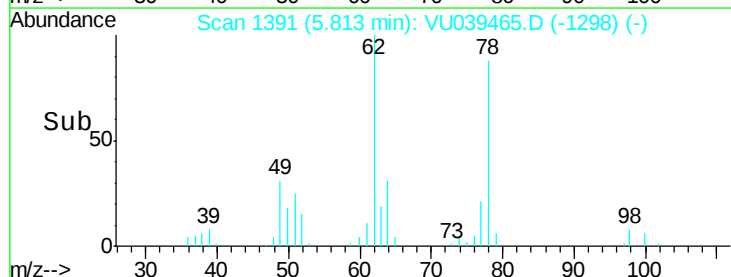
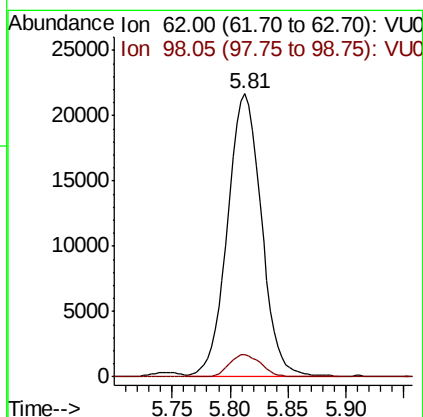
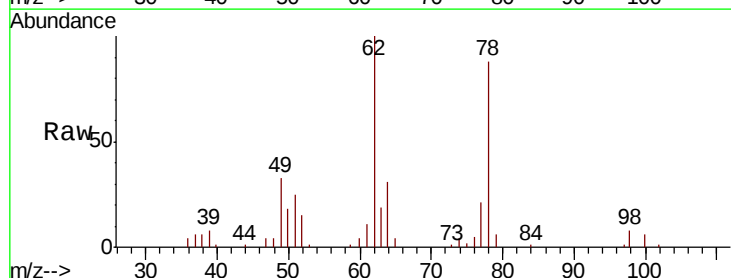
Instrument :
MSVOA_U
ClientSampleId :

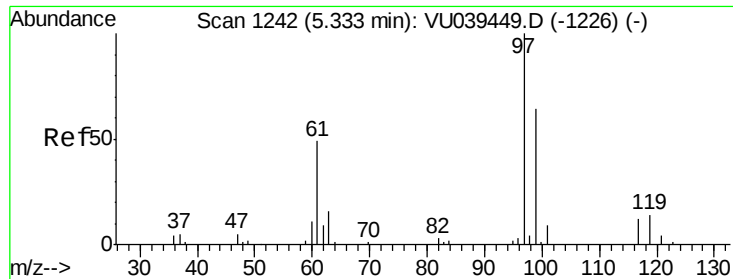
Tot Ion: 83 Resp: 63900
Ion Ratio Lower Upper
83 100
85 59.9 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.205 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion: 62 Resp: 44088
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

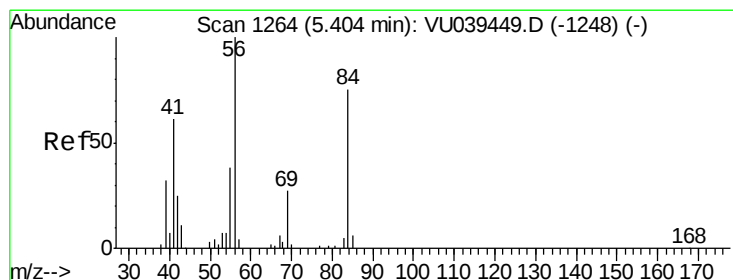
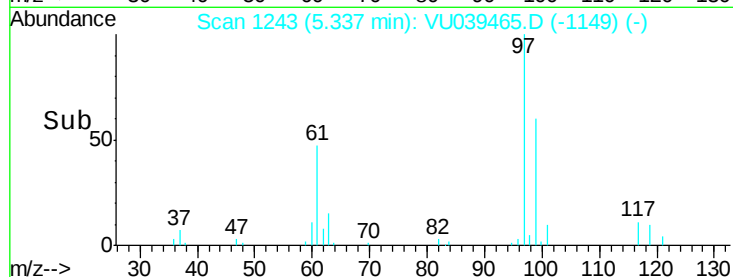
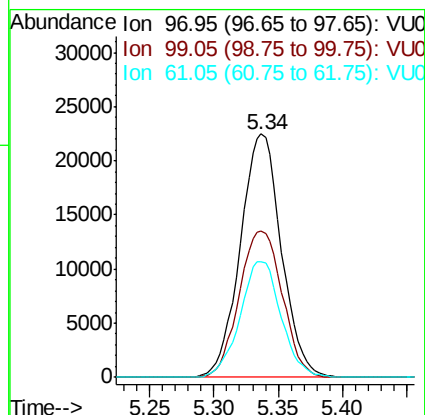
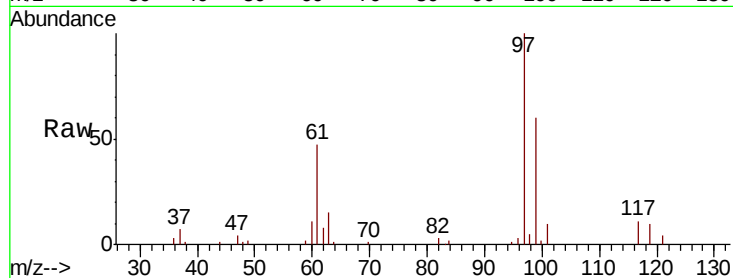




#29
 1,1,1-Trichloroethane
 Concen: 4.931 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

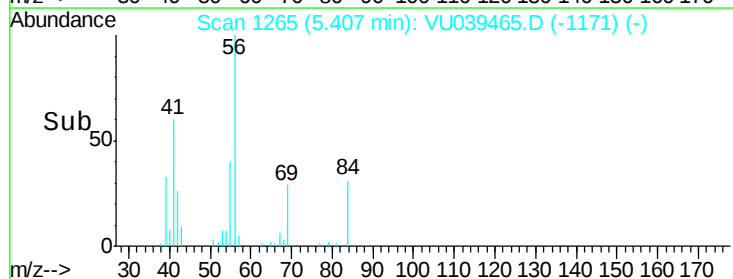
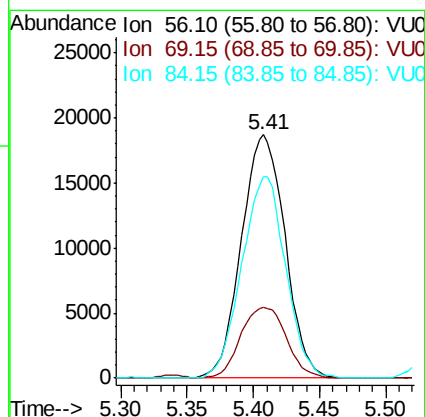
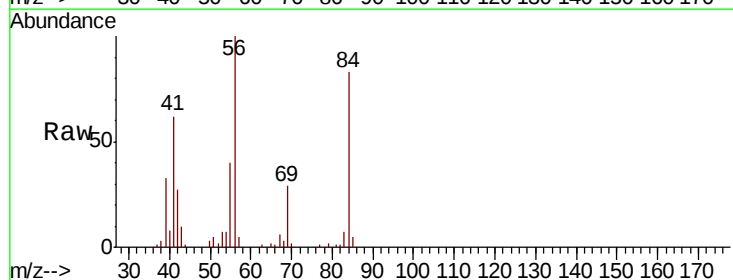
Instrument :
 MSVOA_U
 ClientSampled :

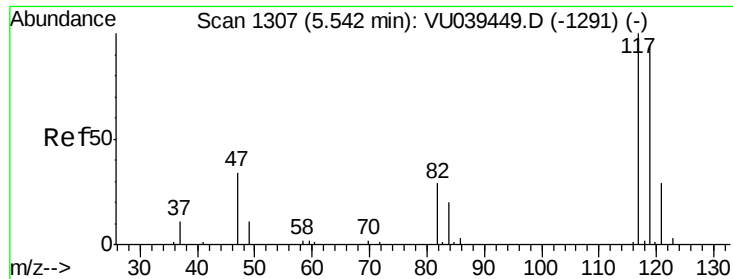
Tot Ion: 97 Resp: 49784
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.6 79.0
 61 47.6 37.9 56.9



#30
 Cyclohexane
 Concen: 4.017 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 56 Resp: 42702
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.1 36.1
 84 83.2 67.0 100.6

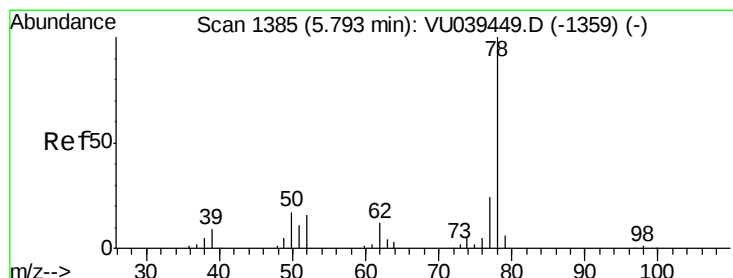
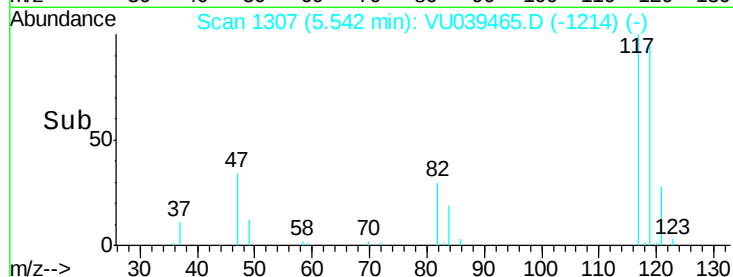
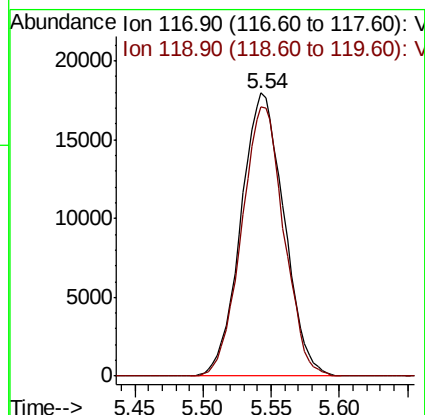
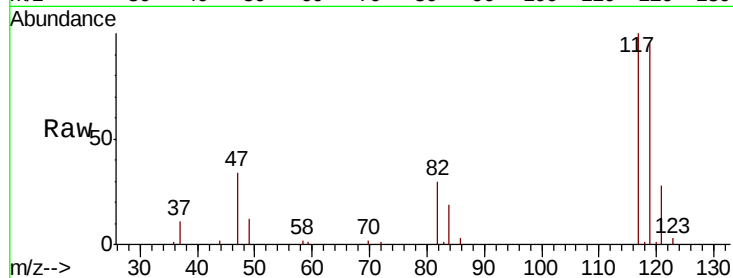




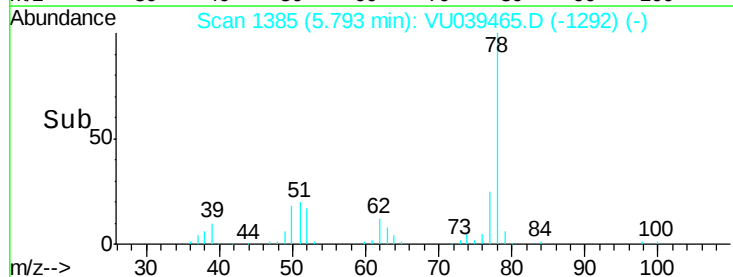
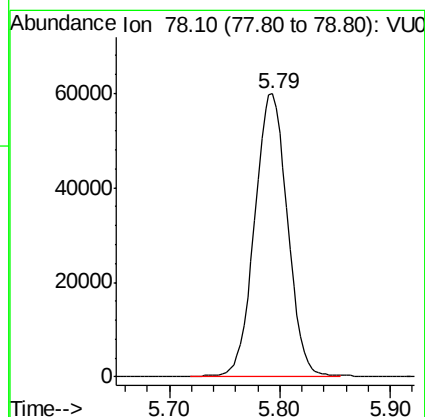
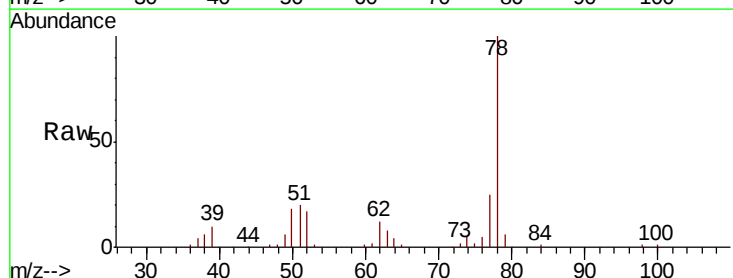
#31
Carbon tetrachloride
Concen: 4.588 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

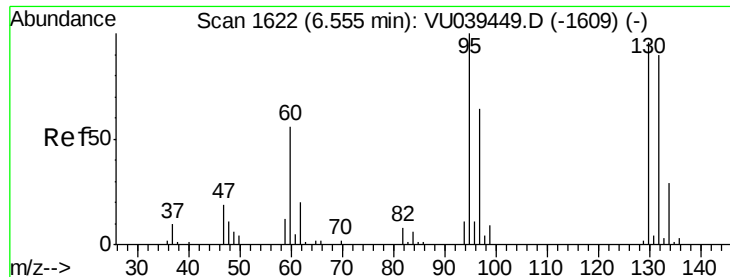
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 39517
Ion Ratio Lower Upper
117 100
119 92.7 77.4 116.0



#33
Benzene
Concen: 4.852 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51
Tgt Ion: 78 Resp: 124355

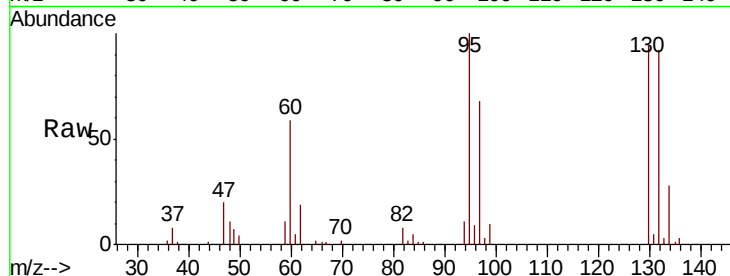




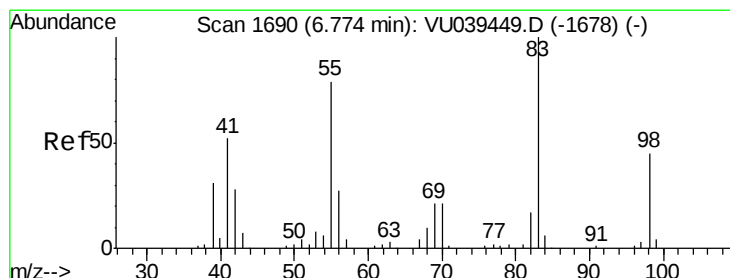
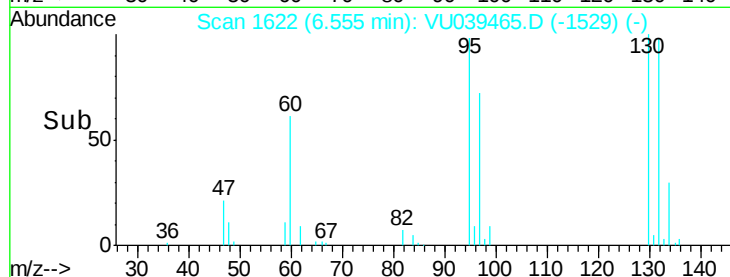
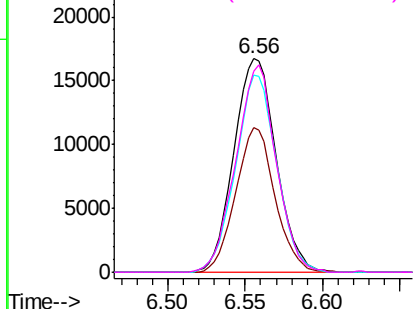
#34
 Trichloroethene
 Concen: 4.806 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 31842
 Ion Ratio Lower Upper
 95 100
 97 67.6 46.3 85.9
 132 92.2 64.0 118.8
 130 94.3 64.3 119.5

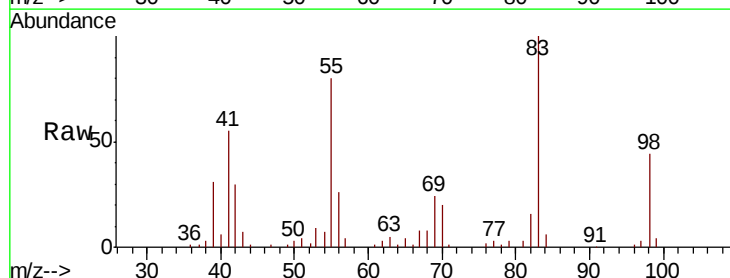


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

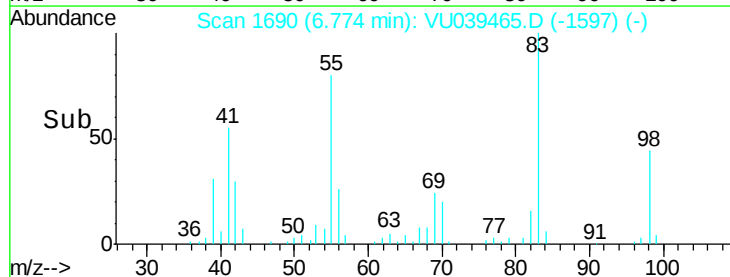
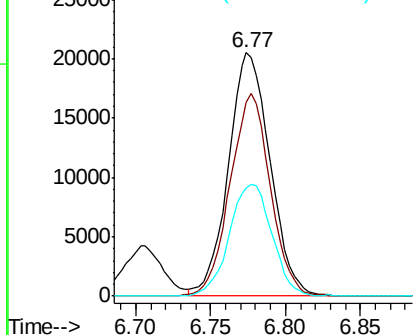


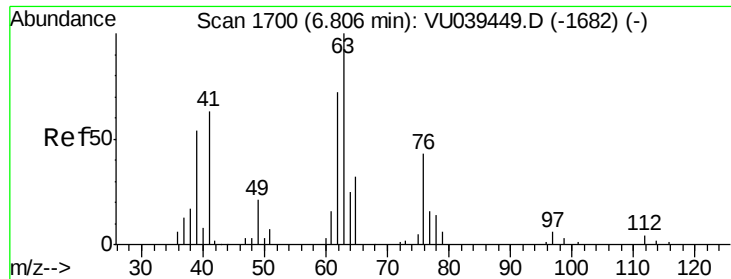
#35
 Methylcyclohexane
 Concen: 3.751 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 83 Resp: 39820
 Ion Ratio Lower Upper
 83 100
 55 80.3 62.1 93.1
 98 46.8 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

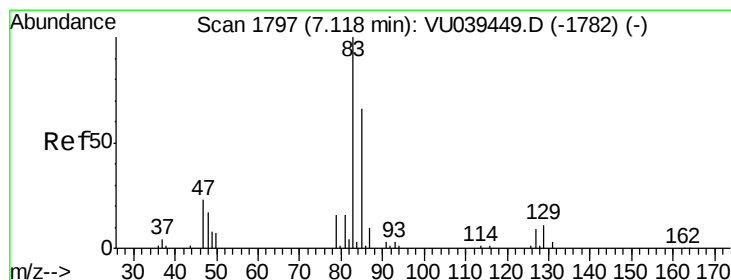
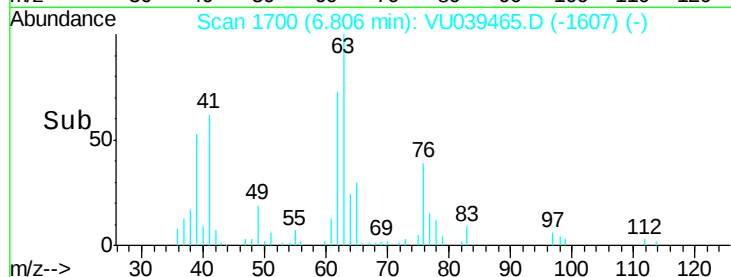
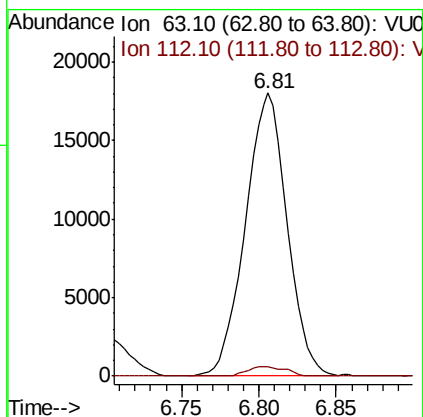
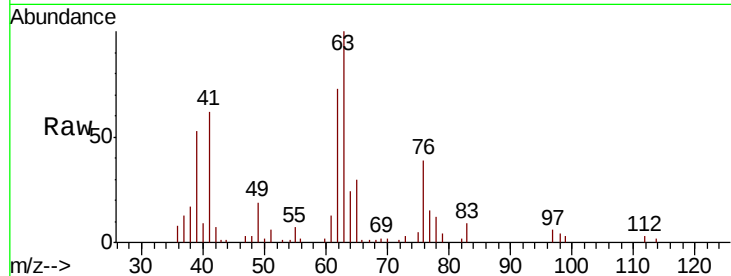




#37
 1,2-Dichloropropane
 Concen: 4.844 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

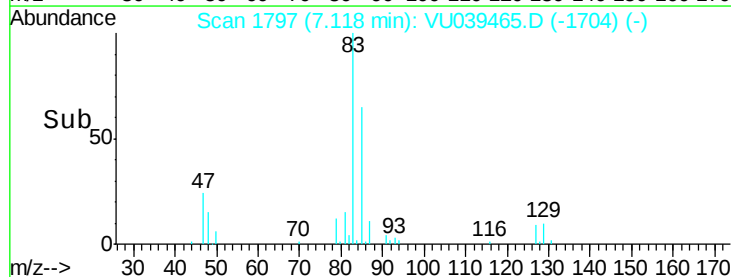
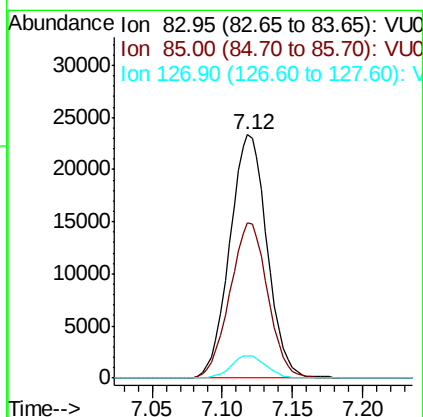
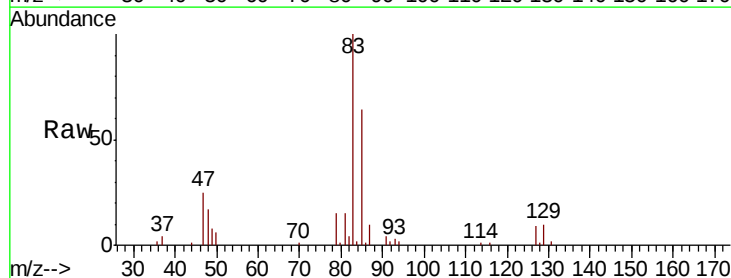
Instrument :
 MSVOA_U
 ClientSampled :

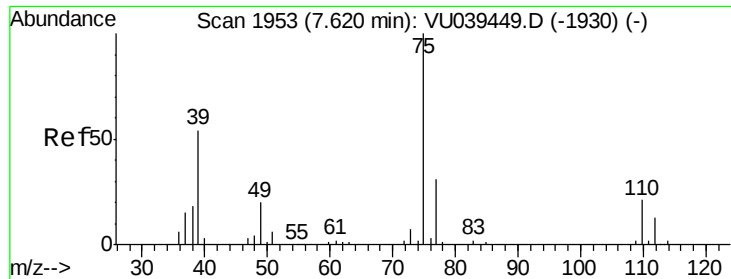
Tot Ion: 63 Resp: 33843
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.842 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 83 Resp: 43198
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.0 81.6
 127 9.4 6.2 9.4#

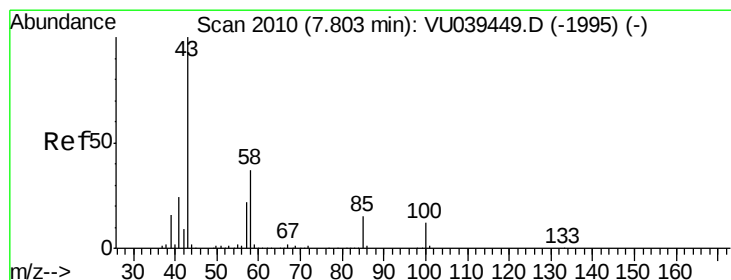
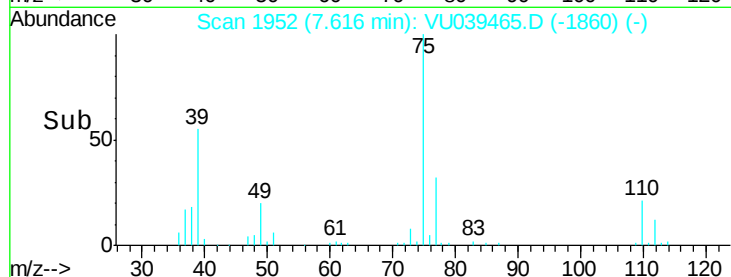
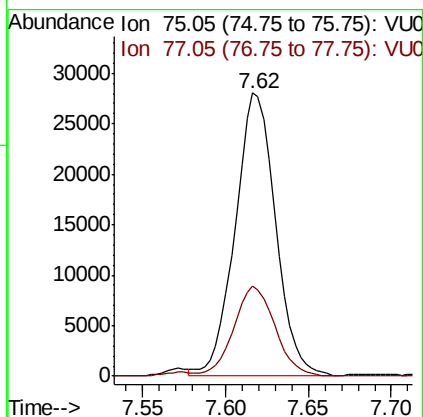
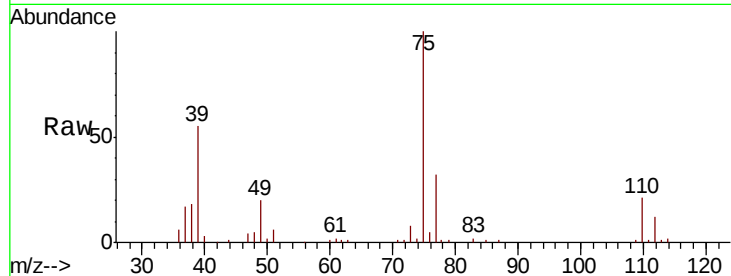




#39
 cis-1,3-Dichloropropene
 Concen: 4.516 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

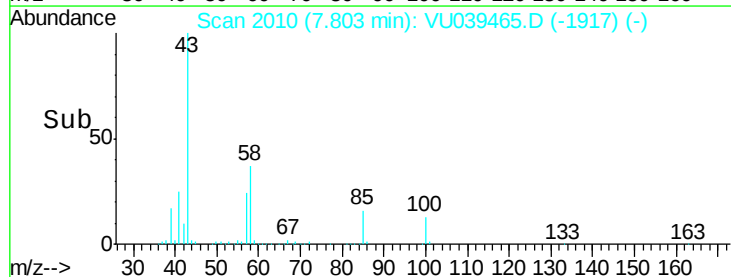
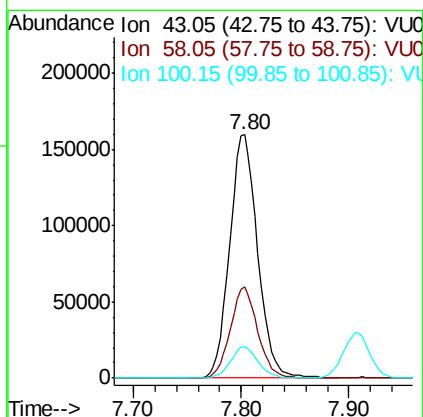
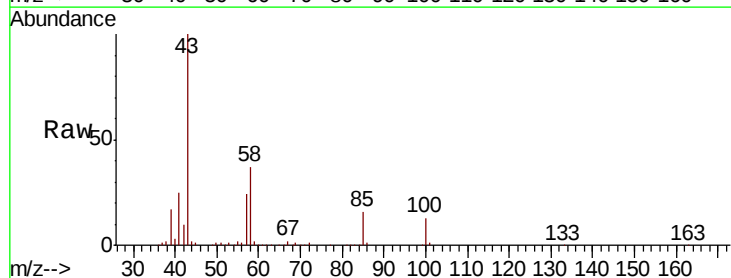
Instrument :
 MSVOA_U
 ClientSampleId :

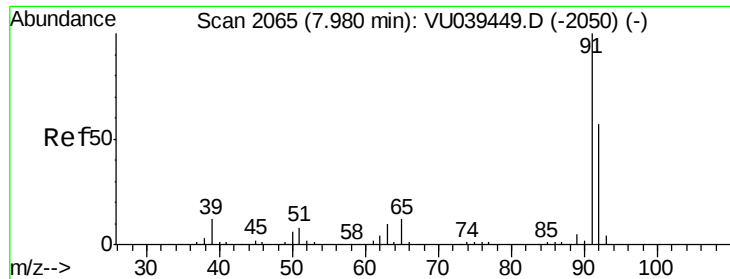
Tot Ion: 75 Resp: 47695
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.638 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion: 43 Resp: 289299
 Ion Ratio Lower Upper
 43 100
 58 36.4 30.5 45.7
 100 12.6 10.3 15.5





#42

Toluene

Concen: 4.675 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

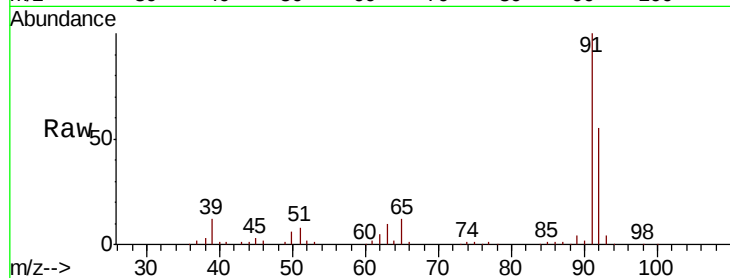
ClientSampleId :

Tot Ion: 91 Resp: 128312

Ion Ratio Lower Upper

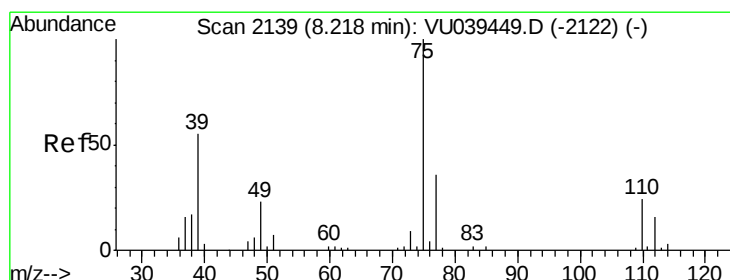
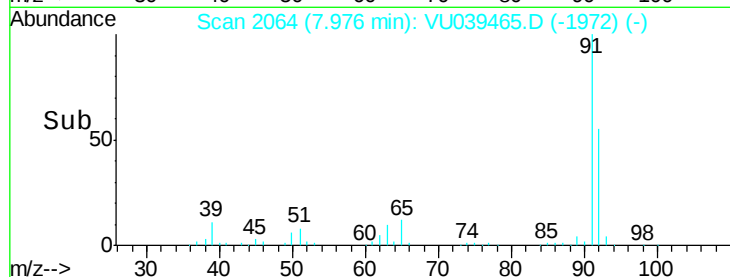
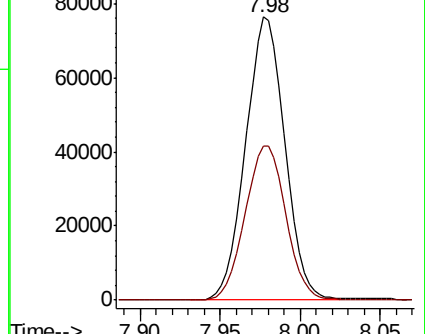
91 100

92 54.6 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039449.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039449.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.676 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039465.D

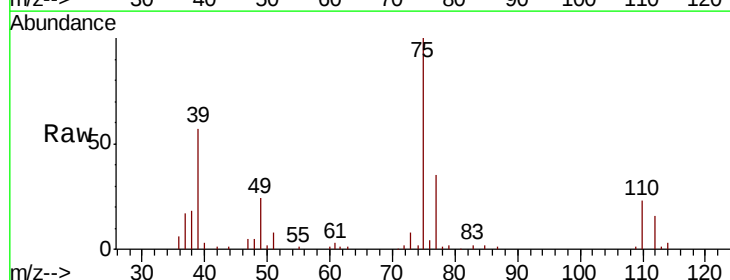
Acq: 11 Jul 2020 05:51

Tgt Ion: 75 Resp: 43813

Ion Ratio Lower Upper

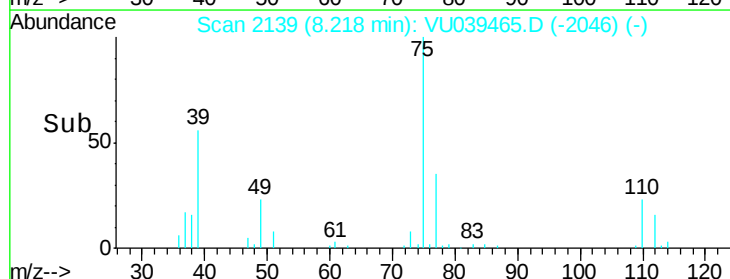
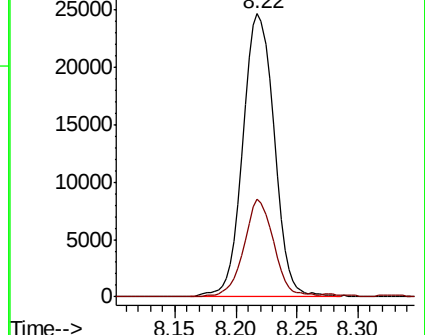
75 100

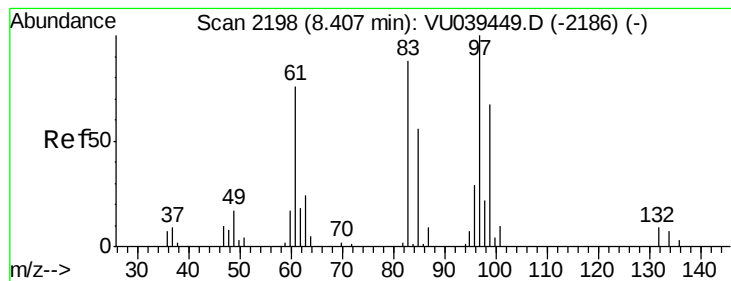
77 34.6 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039449.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039449.D (-2122) (-)





#45

1,1,2-Trichloroethane

Concen: 5.237 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 26280

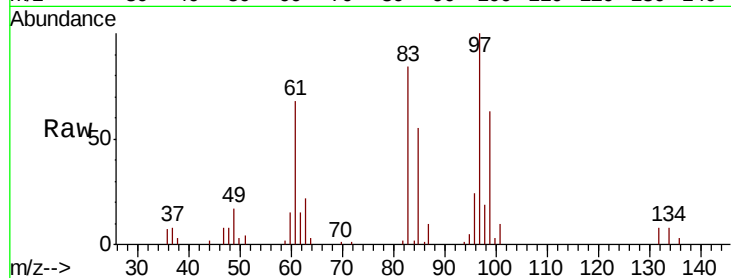
Ion Ratio Lower Upper

97 100

99 62.5 40.7 75.7

83 84.3 60.6 112.6

85 55.2 38.3 71.1



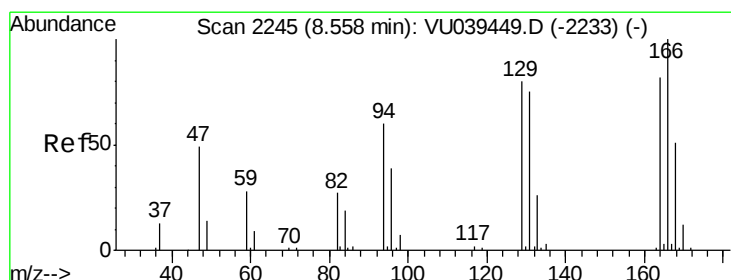
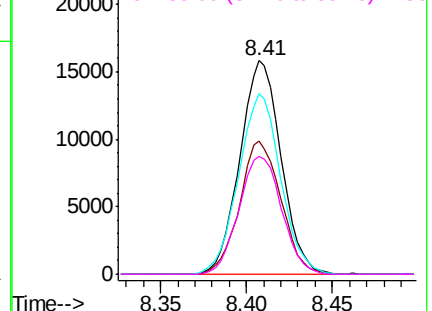
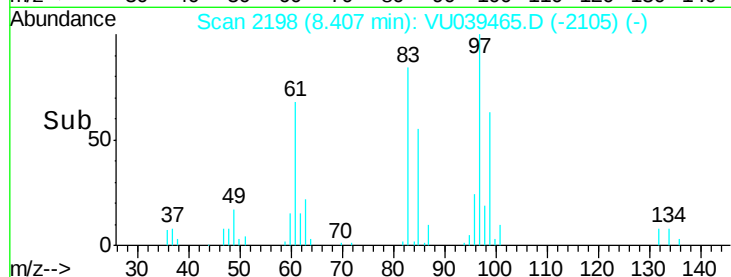
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.267 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Tgt Ion: 164 Resp: 19666

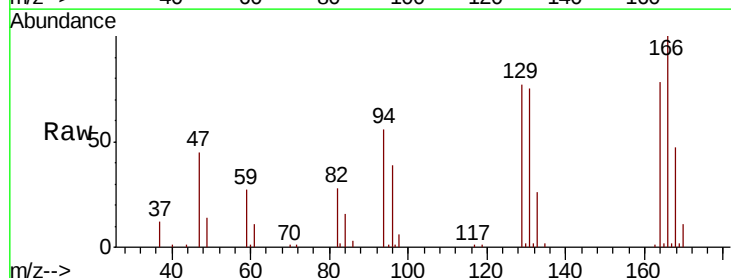
Ion Ratio Lower Upper

164 100

129 99.7 68.6 127.4

131 96.8 66.4 123.4

166 128.7 85.9 159.5



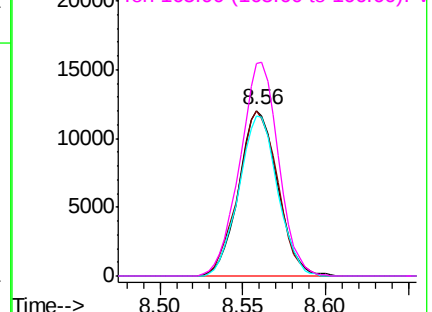
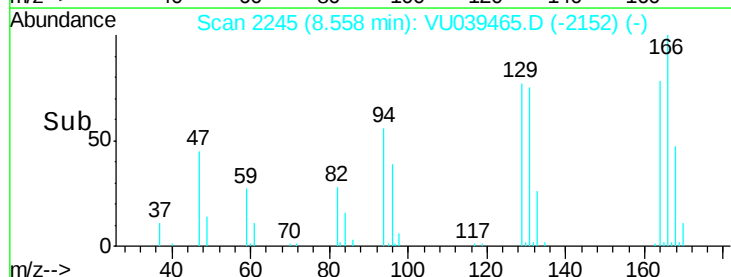
Abundance

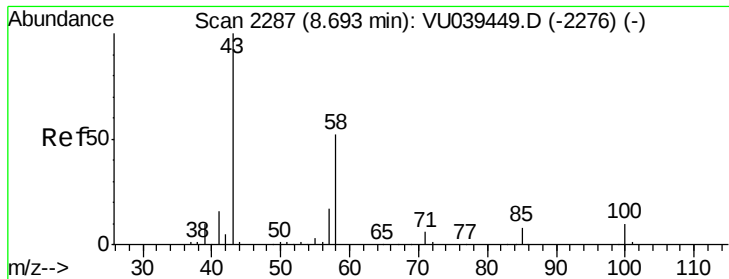
Ion 163.90 (163.60 to 164.60): V

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

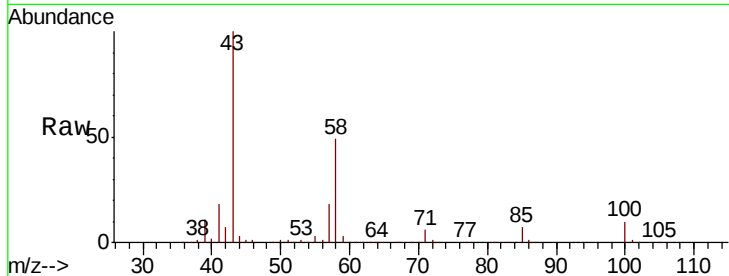




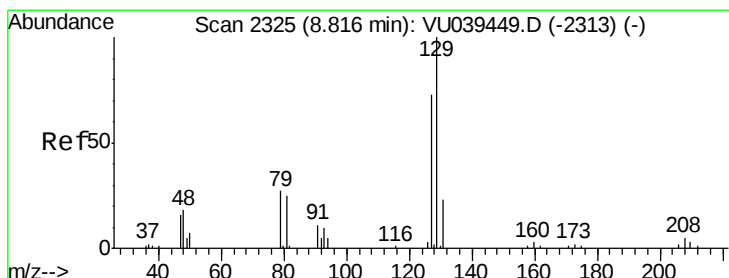
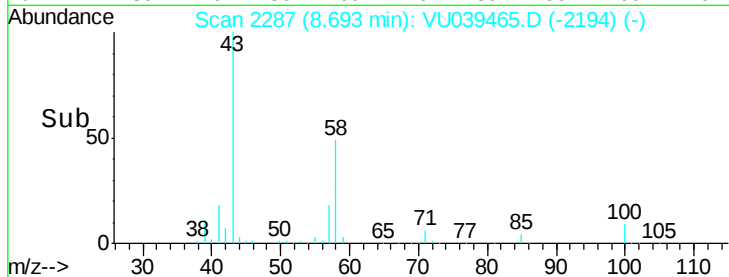
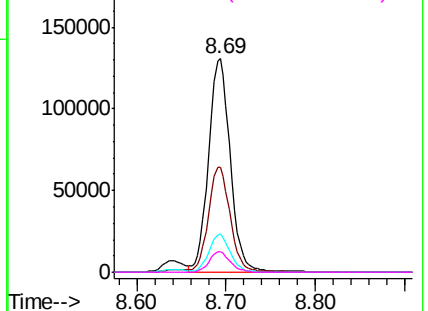
#48
2-Hexanone
Concen: 51.728 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 222289
Ion Ratio Lower Upper
43 100
58 48.4 42.0 63.0
57 17.2 14.0 21.0
100 9.3 8.2 12.2

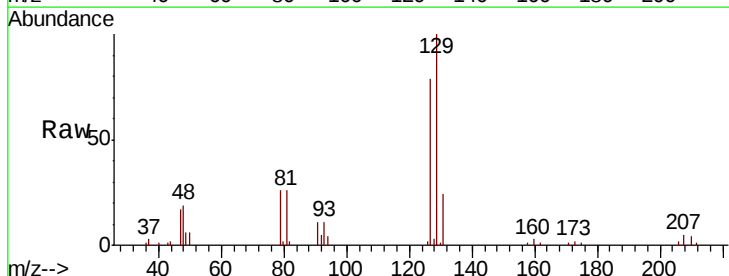


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

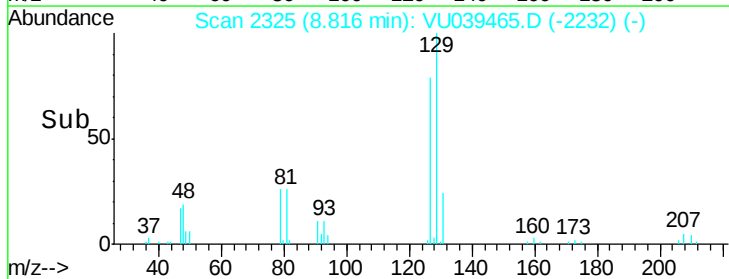
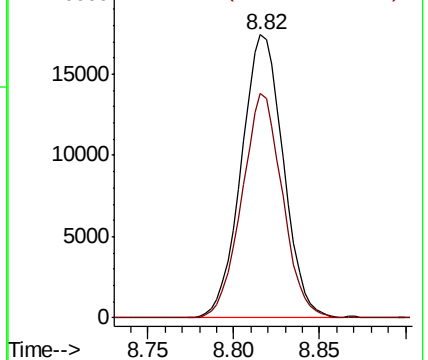


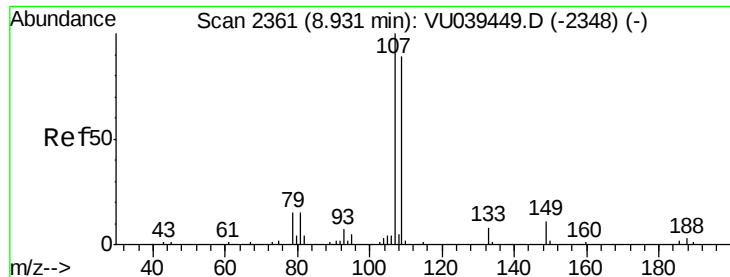
#49
Dibromochloromethane
Concen: 4.865 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion: 129 Resp: 29569
Ion Ratio Lower Upper
129 100
127 79.5 55.4 102.8



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

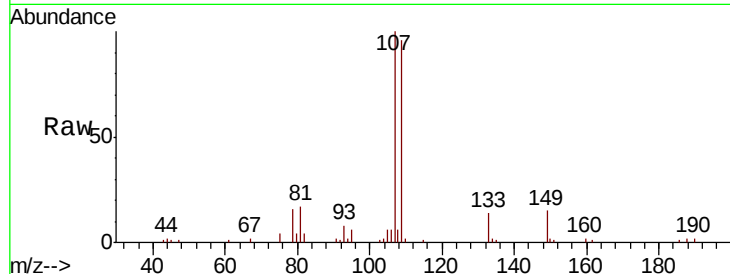




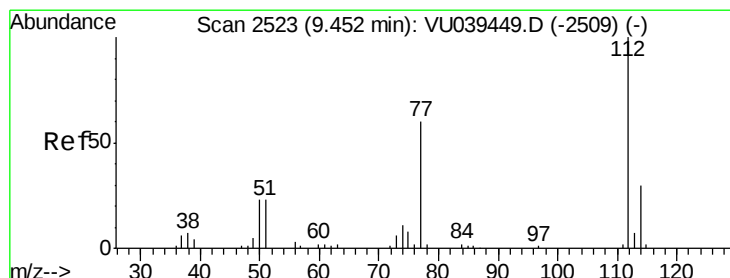
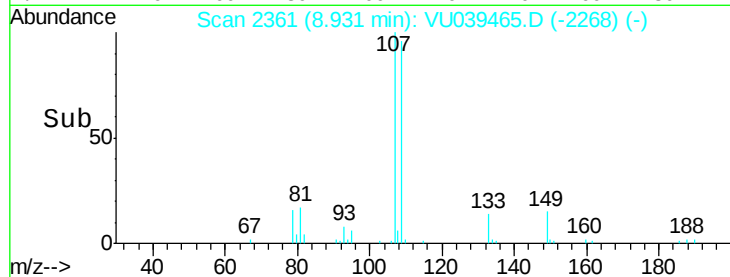
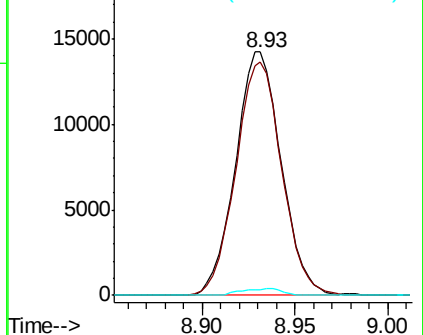
#50
1,2-Dibromoethane
Concen: 4.762 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	64.0	118.8
188	2.4	2.6	3.8#

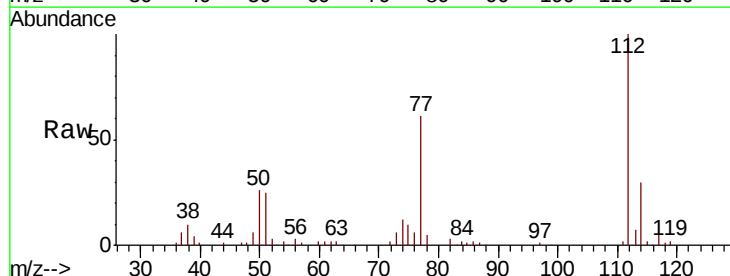


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

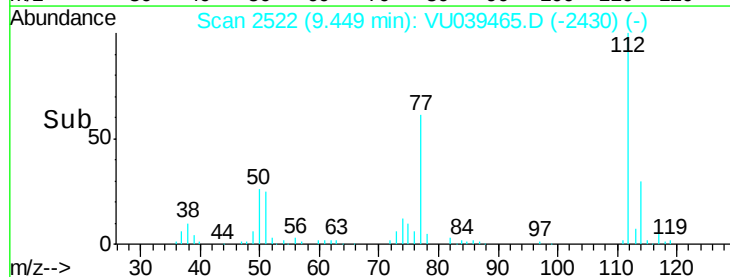
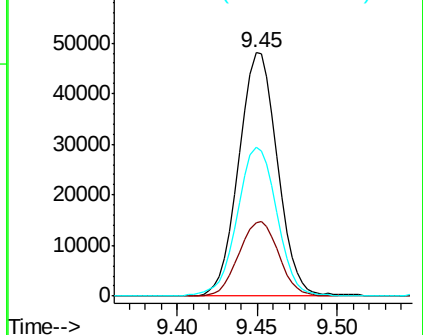


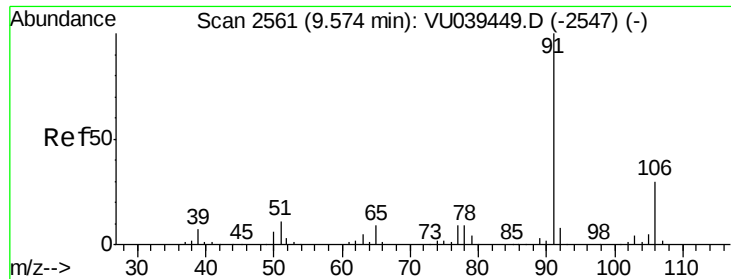
#51
Chlorobenzene
Concen: 4.731 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.1	41.1
77	61.2	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

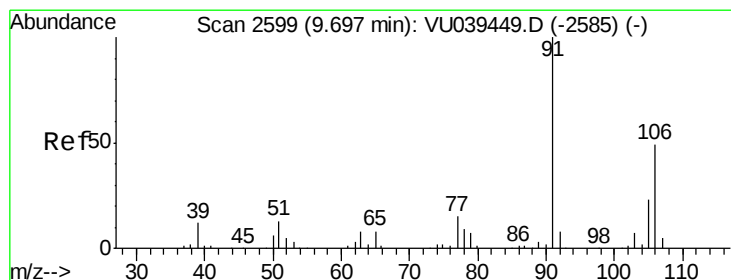
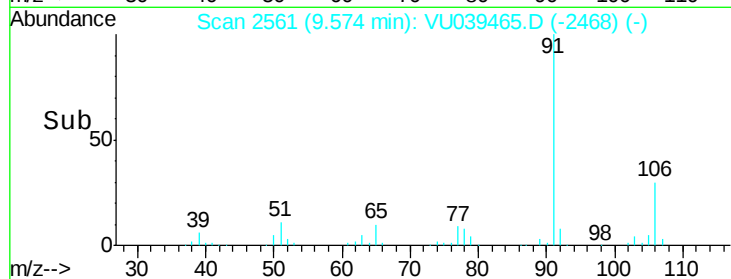
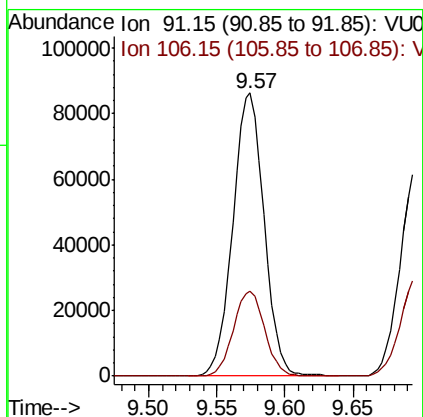
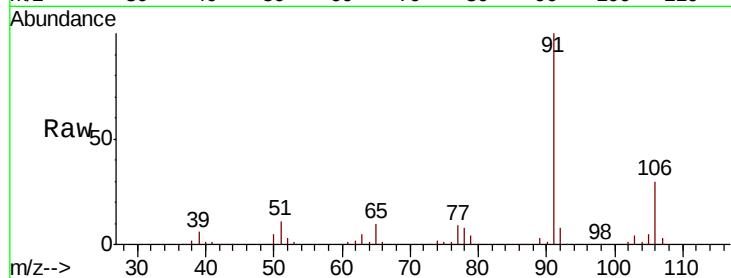




#52
Ethylbenzene
Concen: 4.520 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

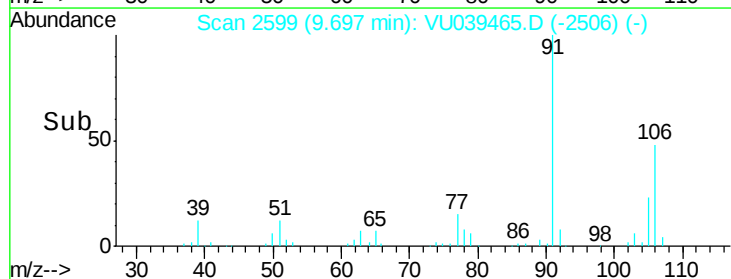
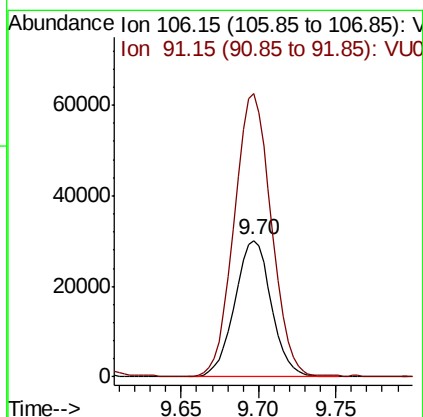
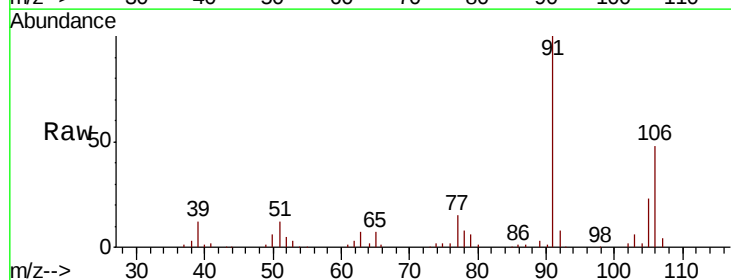
Instrument :
MSVOA_U
ClientSampleId :

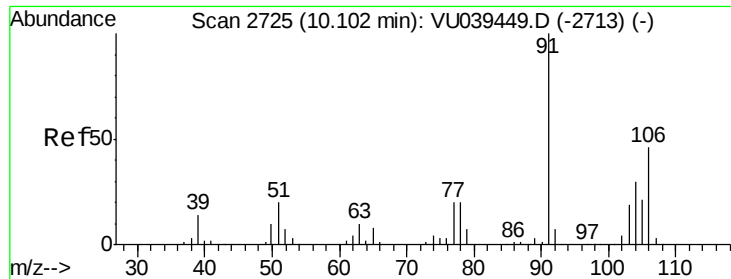
Tot Ion: 91 Resp: 137103
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.6



#53
m,p-Xylene
Concen: 4.334 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion: 106 Resp: 49528
Ion Ratio Lower Upper
106 100
91 207.2 144.0 267.4

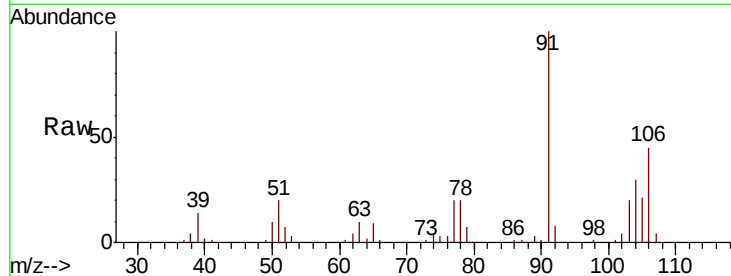




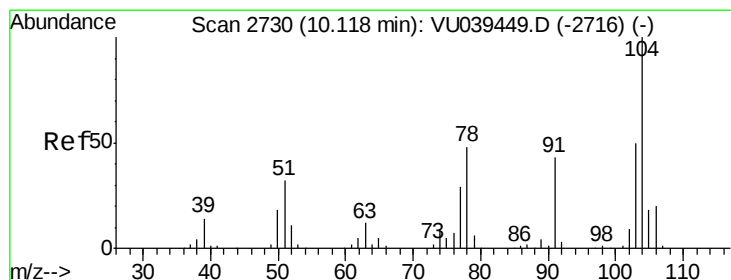
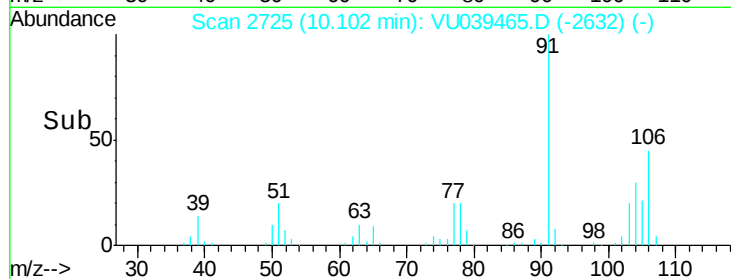
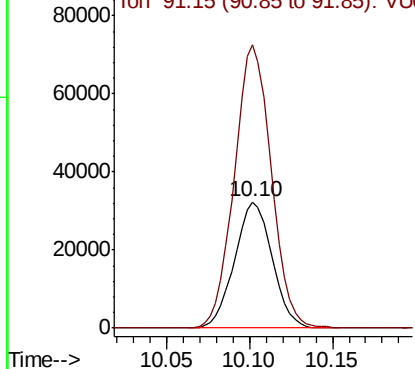
#54
o-Xylene
Concen: 4.581 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 50966
Ion Ratio Lower Upper
106 100
91 224.6 154.6 287.2

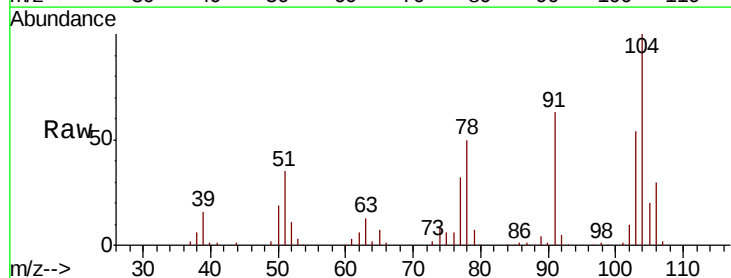


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

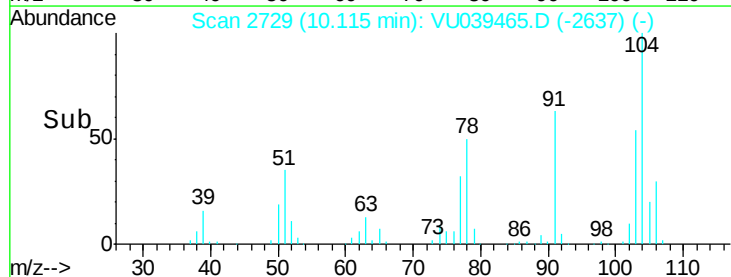
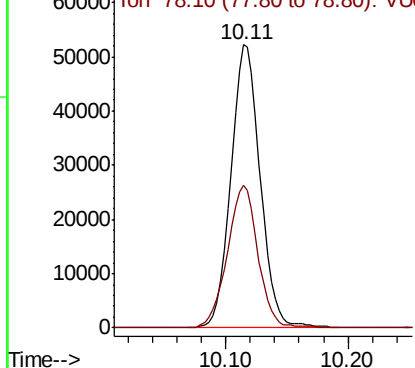


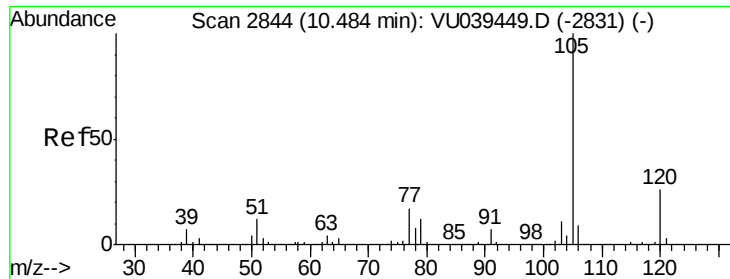
#55
Styrene
Concen: 4.509 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039465.D
Acq: 11 Jul 2020 05:51

Tgt Ion:104 Resp: 87291
Ion Ratio Lower Upper
104 100
78 50.2 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: 4.244 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

ClientSampleId :

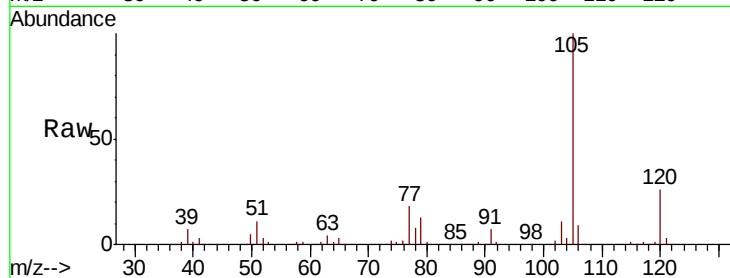
Tot Ion:105 Resp: 127691

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

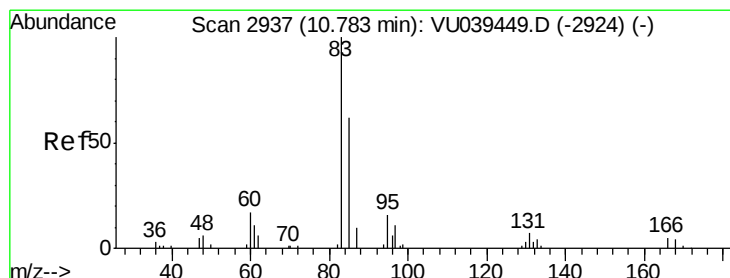
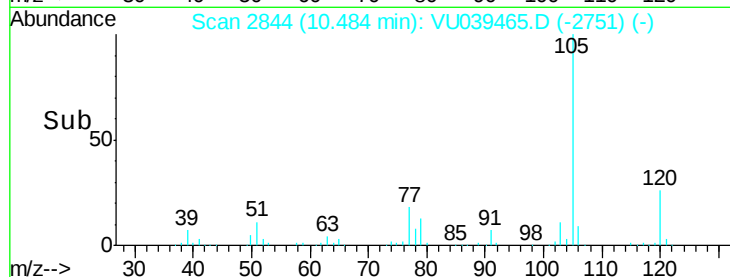
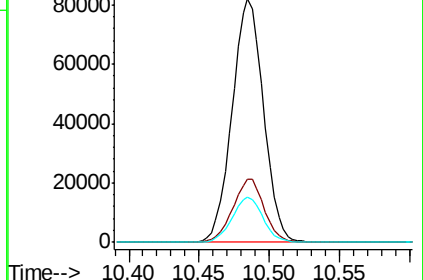
77 18.2 13.9 20.9



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: 4.975 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

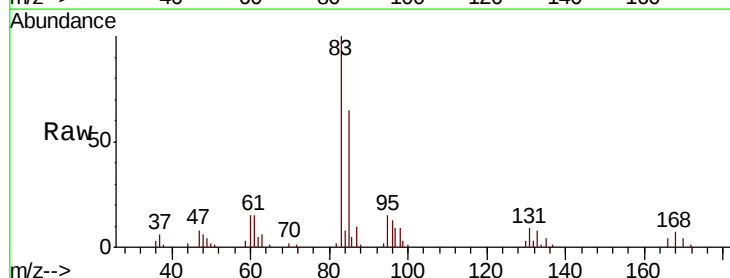
Tgt Ion: 83 Resp: 34751

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.7

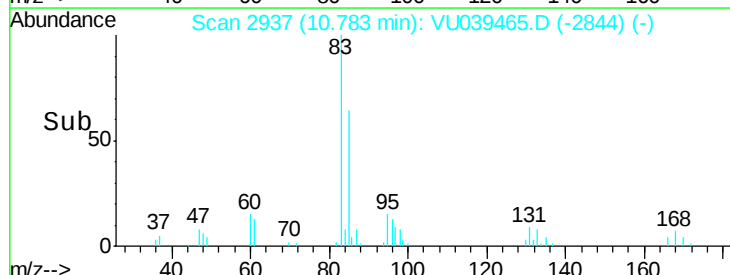
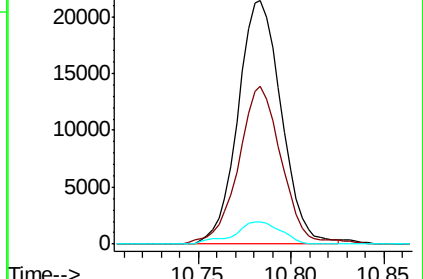
131 9.2 7.4 11.0

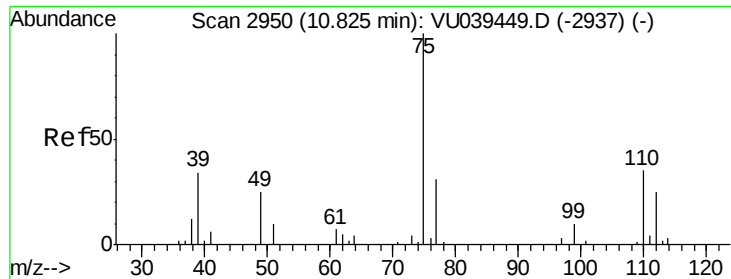


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.849 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

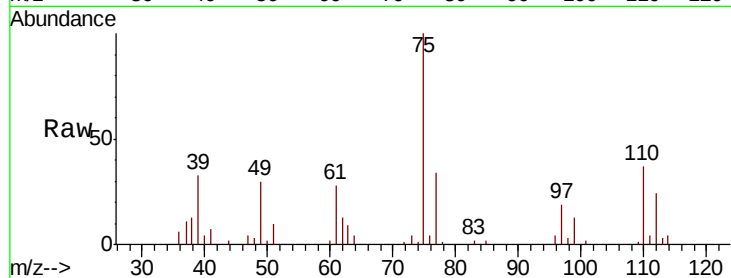
ClientSampleId :

Tot Ion: 75 Resp: 24970

Ion Ratio Lower Upper

75 100

77 33.2 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039449.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039449.D (-2937) (-)

15000

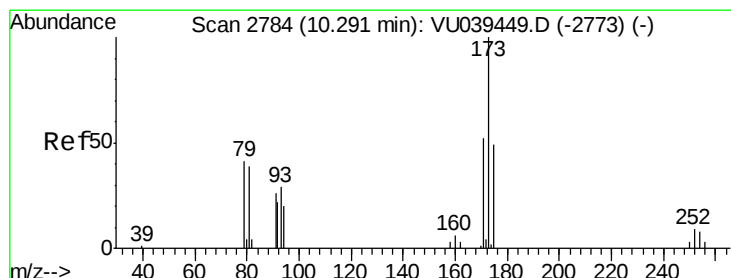
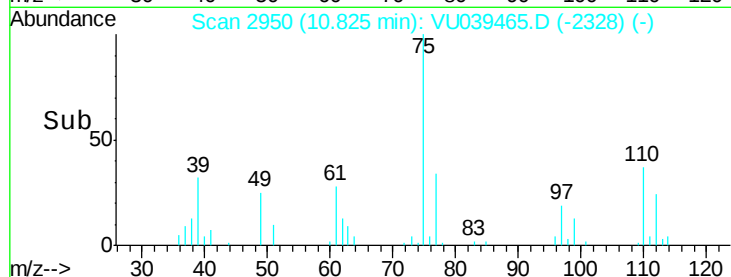
10000

5000

0

10.75 10.80 10.85

Time-->



#61

Bromoform

Concen: 4.841 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

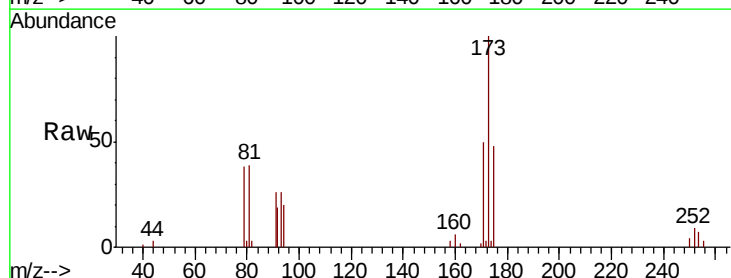
Tgt Ion: 173 Resp: 16573

Ion Ratio Lower Upper

173 100

175 48.4 37.5 56.3

254 8.3 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039449.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU039449.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU039449.D (-2773) (-)

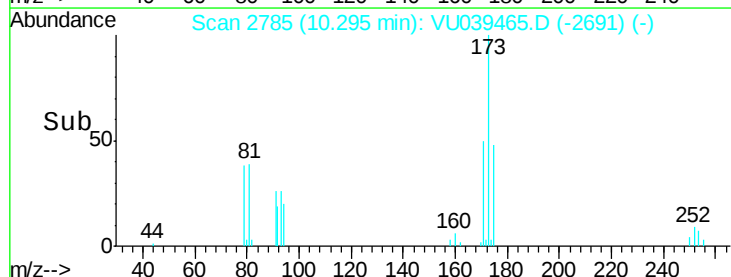
10000

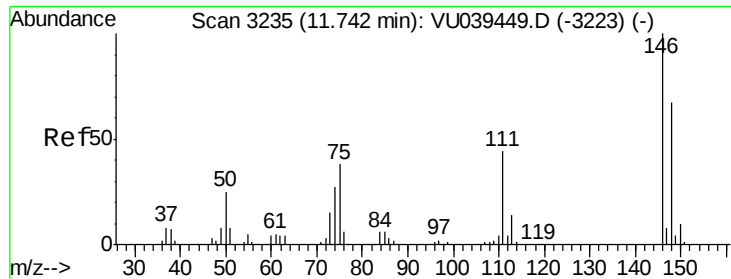
5000

0

10.25 10.30 10.35

Time-->

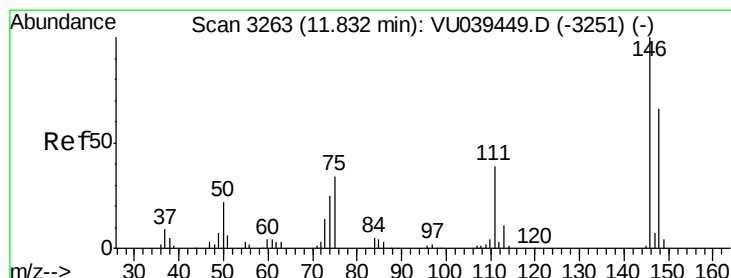
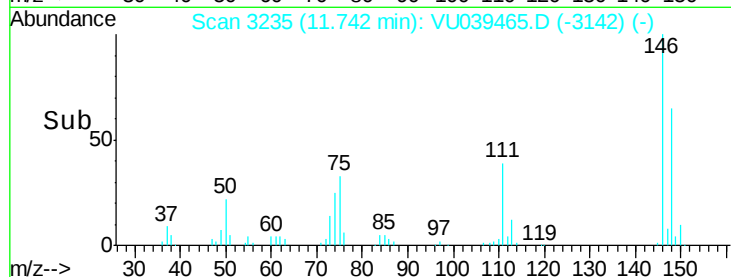
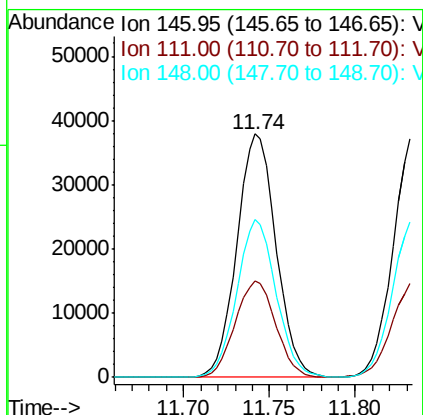
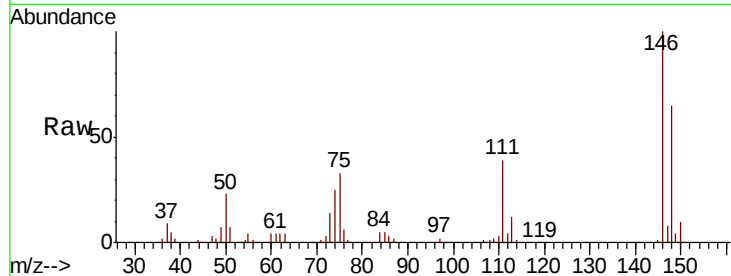




#62
 1,3-Dichlorobenzene
 Concen: 4.694 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

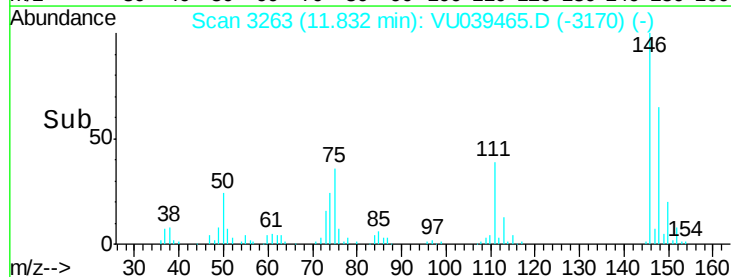
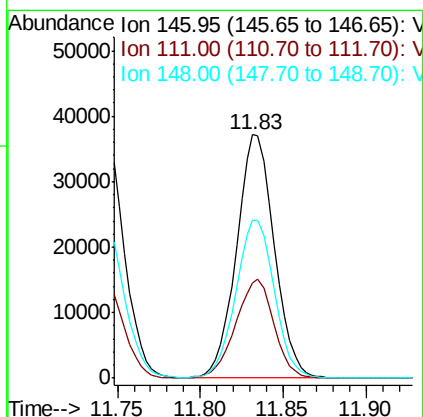
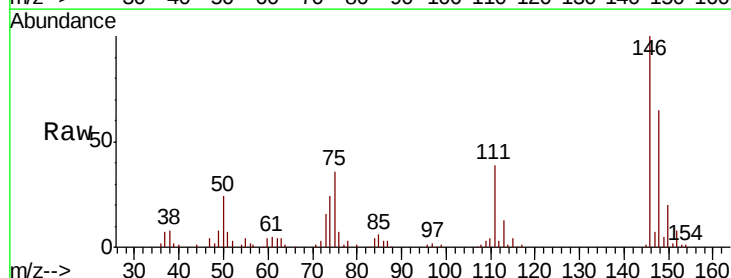
Instrument :
 MSVOA_U
 ClientSampleId :

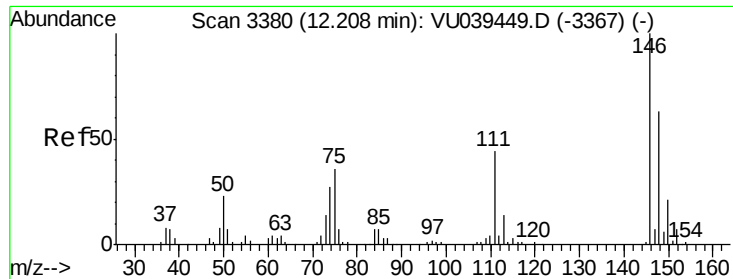
Tot Ion:146 Resp: 59743
 Ion Ratio Lower Upper
 146 100
 111 39.4 29.0 53.8
 148 64.9 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.609 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion:146 Resp: 58853
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.6 53.0
 148 65.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.800 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

ClientSampled :

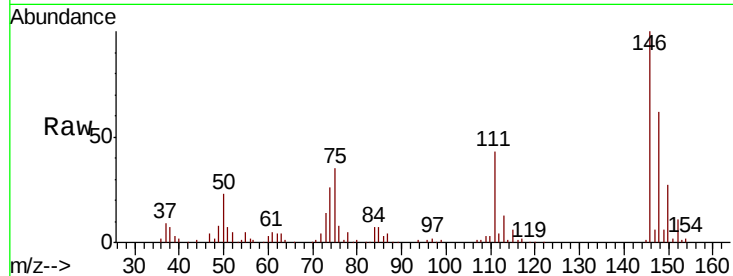
Tot Ion:146 Resp: 61238

Ion Ratio Lower Upper

146 100

111 43.4 35.0 52.4

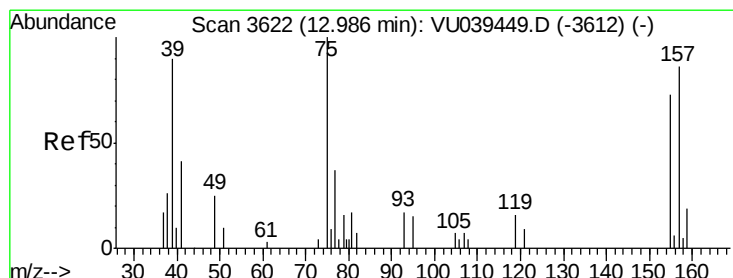
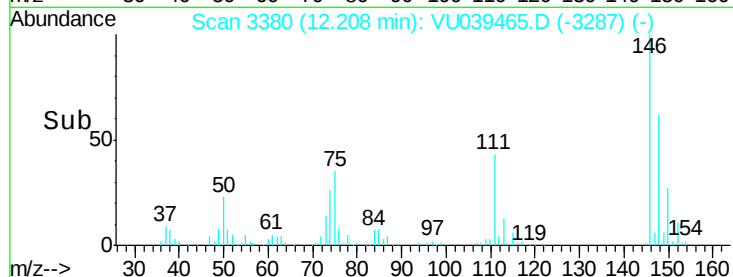
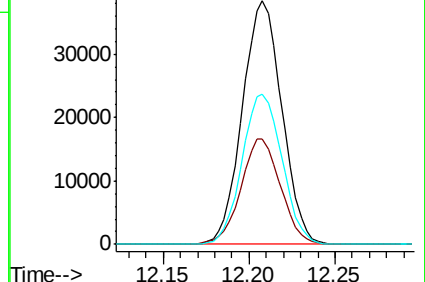
148 61.9 50.6 75.8



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: 5.094 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

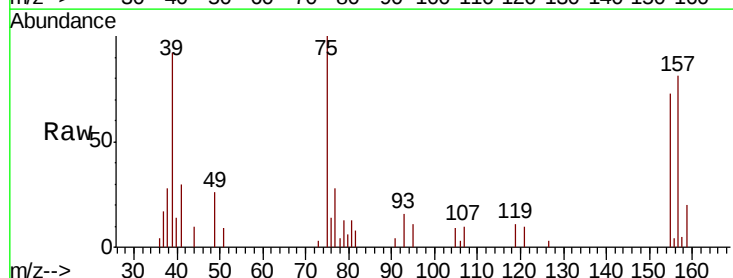
Tgt Ion: 75 Resp: 5741

Ion Ratio Lower Upper

75 100

155 73.4 51.9 77.9

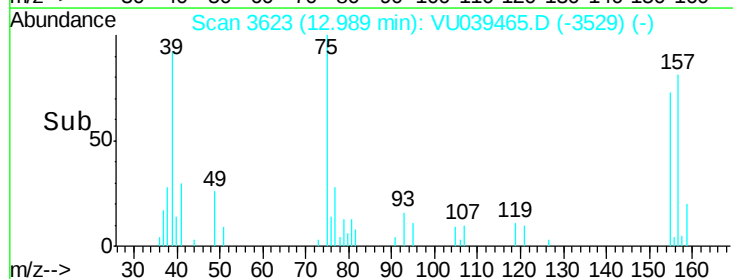
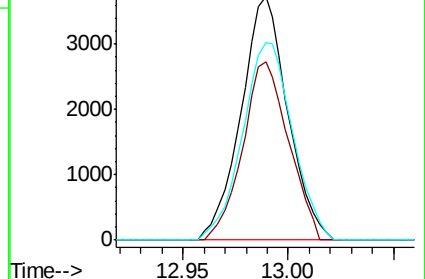
157 81.3 63.2 94.8

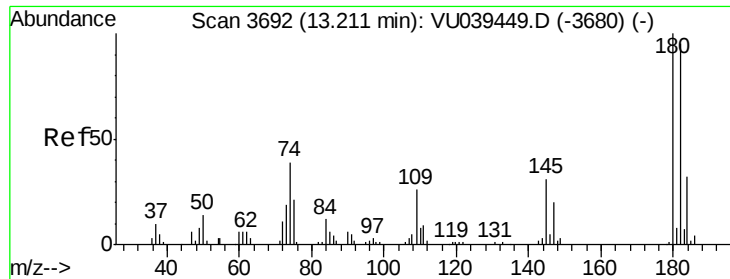


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

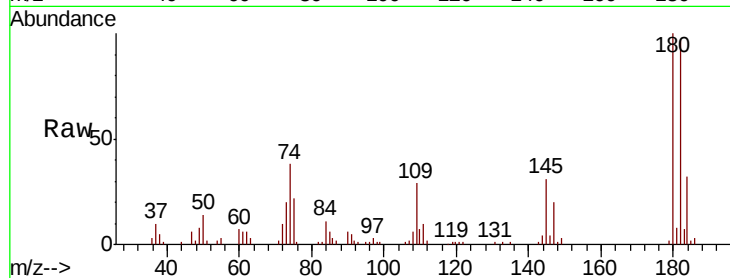




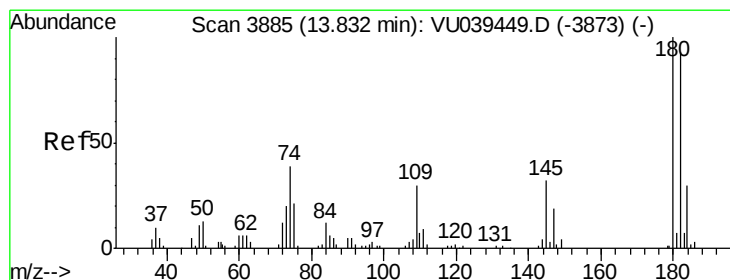
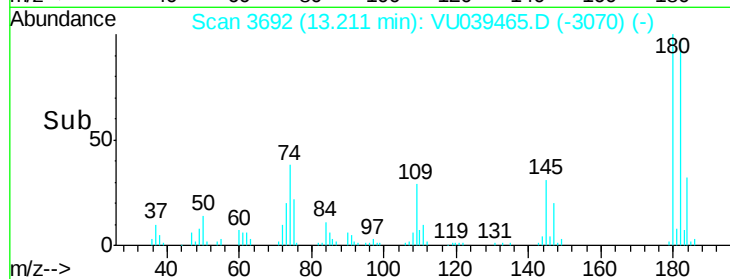
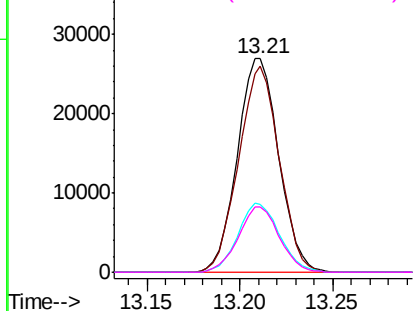
#67
 1,3,5-Trichlorobenzene
 Concen: 4.376 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 41673
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.2 114.4
 184 32.3 24.2 36.4
 145 30.3 24.2 36.2

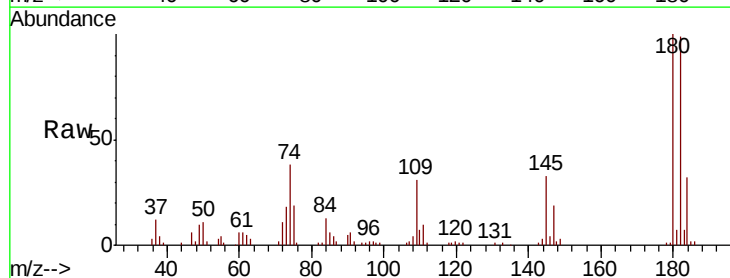


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

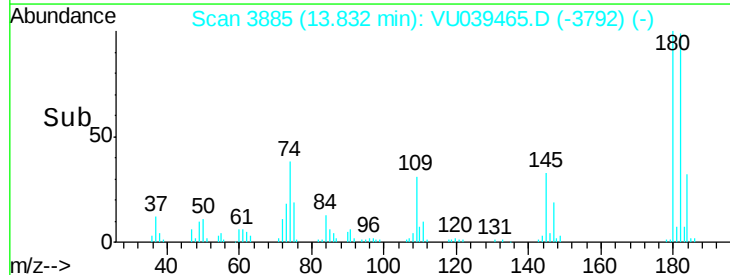
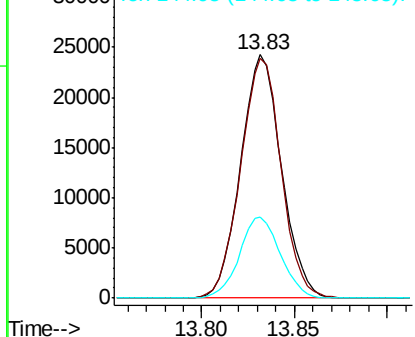


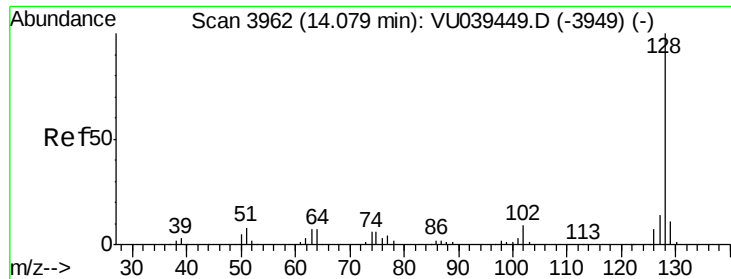
#68
 1,2,4-trichlorobenzene
 Concen: 4.565 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039465.D
 Acq: 11 Jul 2020 05:51

Tgt Ion:180 Resp: 37204
 Ion Ratio Lower Upper
 180 100
 182 97.5 79.4 119.2
 145 33.5 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: 4.394 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

Instrument :

MSVOA_U

ClientSampleId :

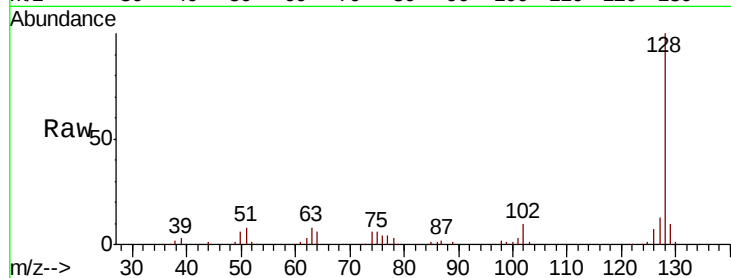
Tot Ion:128 Resp: 72063

Ion Ratio Lower Upper

128 100

129 10.3 8.6 13.0

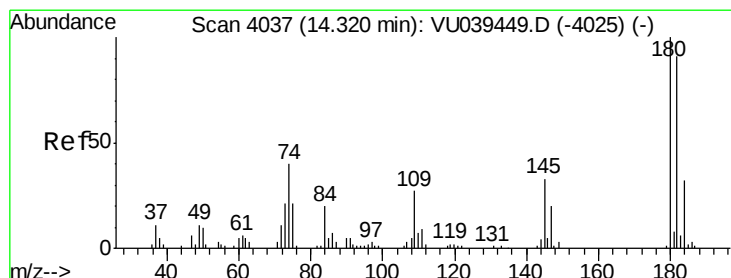
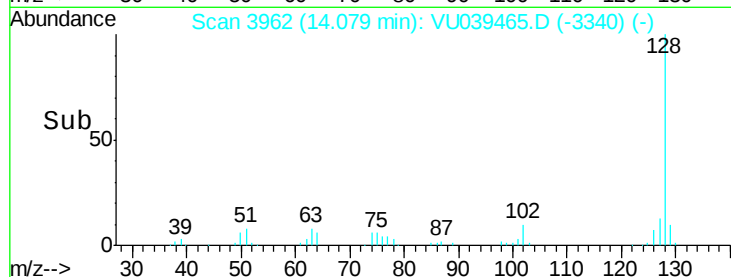
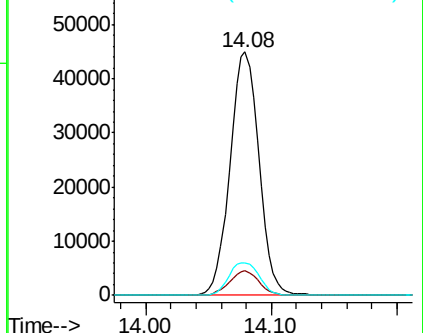
127 14.1 10.4 15.6



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: 4.558 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039465.D

Acq: 11 Jul 2020 05:51

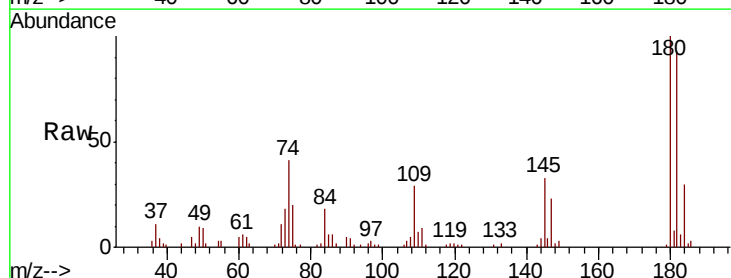
Tgt Ion:180 Resp: 34422

Ion Ratio Lower Upper

180 100

182 95.7 74.2 111.2

145 33.5 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

