

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039248.D
 Acq On : 30 Jun 2020 22:24
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 01:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:40:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	219531	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	212494	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	107273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	65875	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.93	69	82853	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.40%
11) 1,1-Dichloroethene-d2	2.59	63	126121	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.67	46	286251	46.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.28%
24) Chloroform-d	5.10	84	149164	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.74	65	95780	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.76	84	246740	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.72	67	85122	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.92	98	199985	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.20	79	39873	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.65	63	223215	52.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	84383	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	89328	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	87676	4.169	ug/L 99
3) Chloromethane	1.53	50	92435	4.419	ug/L 99
5) Vinyl chloride	1.62	62	94648	4.361	ug/L 99
6) Bromomethane	1.88	94	66922	5.897	ug/L 99
8) Chloroethane	1.95	64	84512	6.077	ug/L 100
9) Trichlorofluoromethane	2.16	101	154534	4.735	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	67014	4.055	ug/L 97
12) 1,1-Dichloroethene	2.61	96	67726	4.333	ug/L 95
13) Acetone	2.67	43	172132	46.005	ug/L 99
14) Carbon disulfide	2.82	76	223380	4.209	ug/L 99
15) Methyl Acetate	2.99	43	40379	4.569	ug/L 99
16) Methylene chloride	3.08	84	89918	4.223	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	207293	4.929	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	72180	4.513	ug/L 98
19) 1,1-Dichloroethane	3.91	63	146881	4.683	ug/L 97
21) 2-Butanone	4.75	43	273232	46.465	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	80111	4.735	ug/L 99

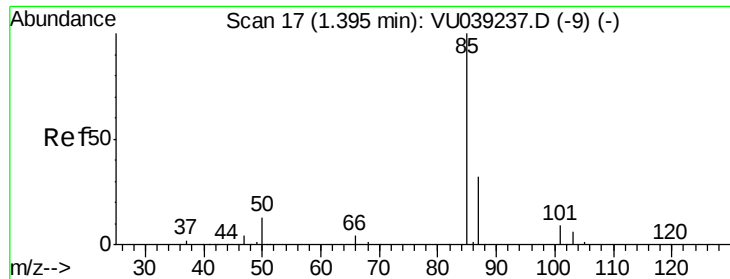
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039248.D
 Acq On : 30 Jun 2020 22:24
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:40:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	39448	5.101	ug/L	99
25) Chloroform	5.13	83	152954	4.772	ug/L	95
27) 1,2-Dichloroethane	5.83	62	112103	4.792	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	125334	4.806	ug/L	98
30) Cyclohexane	5.42	56	99770	4.120	ug/L	97
31) Carbon tetrachloride	5.56	117	106129	4.814	ug/L	99
33) Benzene	5.81	78	305781	4.905	ug/L	100
34) Trichloroethene	6.57	95	77246	4.714	ug/L	98
35) Methylcyclohexane	6.79	83	100159	4.090	ug/L	99
37) 1,2-Dichloropropane	6.82	63	82186	4.876	ug/L	100
38) Bromodichloromethane	7.13	83	110561	4.963	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	119395	4.989	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	629700	49.946	ug/L	99
42) Toluene	7.99	91	300532	4.704	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	113869	5.046	ug/L	95
45) 1,1,2-Trichloroethane	8.42	97	63018	4.931	ug/L	95
47) Tetrachloroethene	8.57	164	53625	4.664	ug/L	96
48) 2-Hexanone	8.71	43	483530	49.596	ug/L	99
49) Dibromochloromethane	8.83	129	73682	5.227	ug/L	98
50) 1,2-Dibromoethane	8.94	107	62826	5.266	ug/L #	92
51) Chlorobenzene	9.47	112	197097	4.721	ug/L	97
52) Ethylbenzene	9.59	91	306849	4.345	ug/L	100
53) m,p-Xylene	9.71	106	118058	4.531	ug/L	96
54) o-Xylene	10.11	106	122980	4.993	ug/L	99
55) Styrene	10.13	104	219984	5.169	ug/L	96
56) Isopropylbenzene	10.50	105	308697	4.732	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	75864	4.700	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	63455	4.866	ug/L	98
61) Bromoform	10.30	173	42776	5.034	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	149191	4.551	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	147768	4.377	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	144157	4.512	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	14810	4.906	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	103872	4.496	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	95032	4.691	ug/L	98
69) Naphthalene	14.11	128	187041	4.784	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	91848	4.702	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.169 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

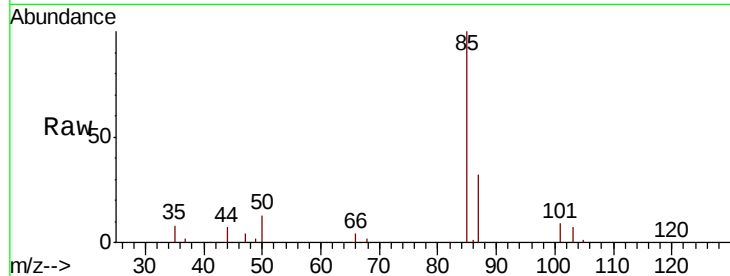
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 87676

Ion Ratio Lower Upper

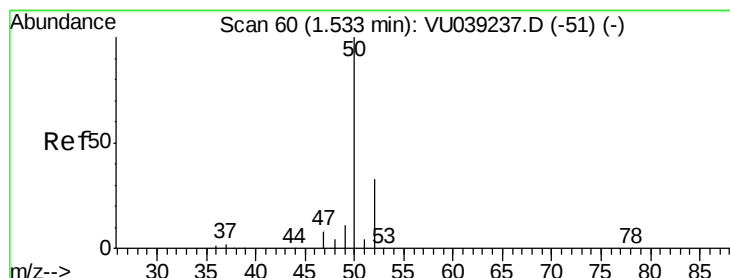
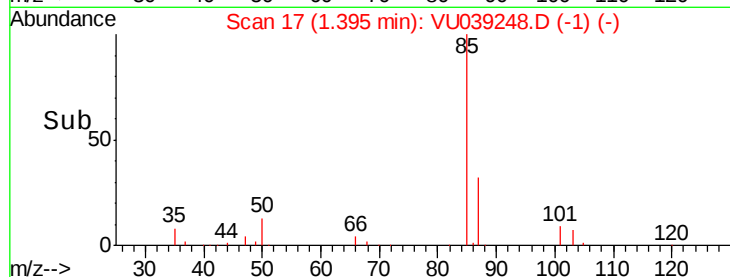
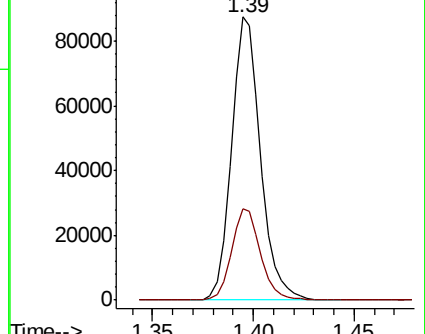
85 100

87 32.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU039237.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039237.D (-9) (-)



#3

Chloromethane

Concen: 4.419 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039248.D

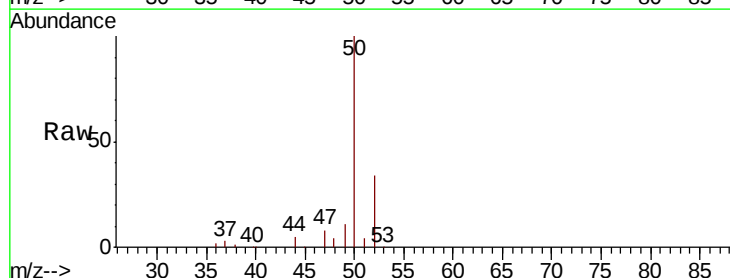
Acq: 30 Jun 2020 22:24

Tgt Ion: 50 Resp: 92435

Ion Ratio Lower Upper

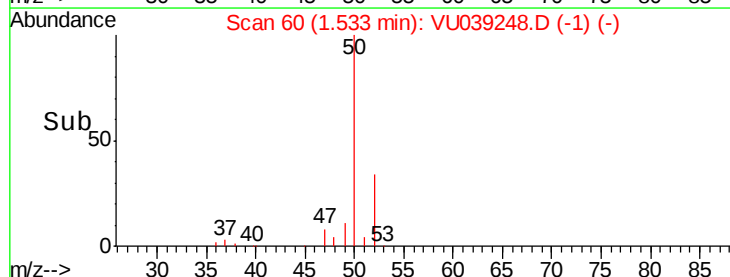
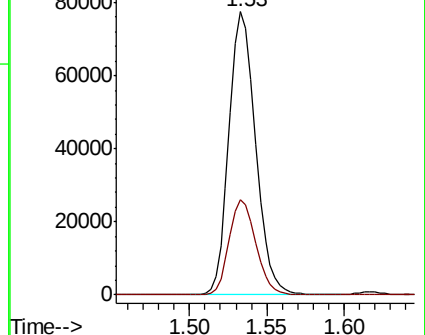
50 100

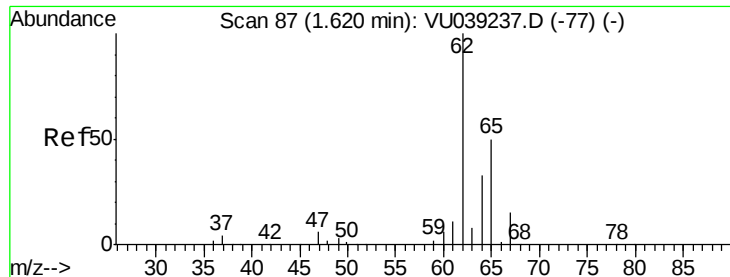
52 33.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU039237.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039237.D (-51) (-)





#5

Vinyl chloride

Concen: 4.361 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

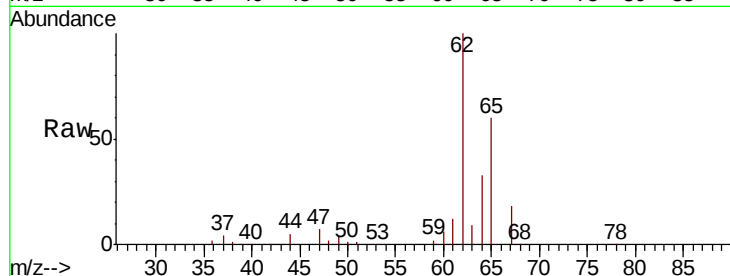
ClientSampleId :

Tot Ion: 62 Resp: 94648

Ion Ratio Lower Upper

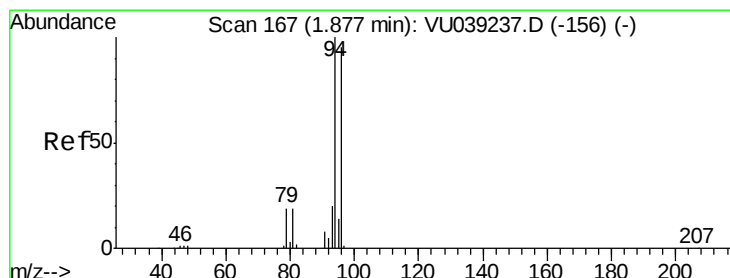
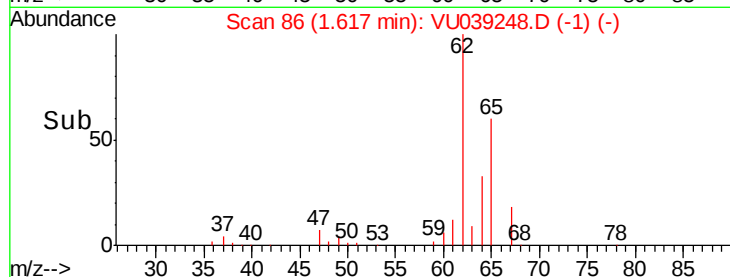
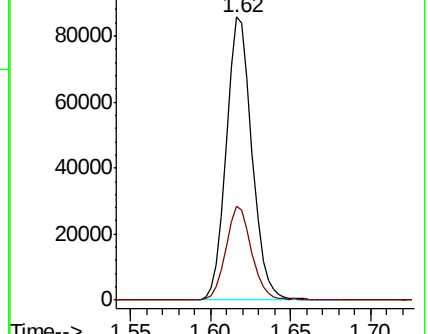
62 100

64 33.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039237.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039248.D (-74) (-)



#6

Bromomethane

Concen: 5.897 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039248.D

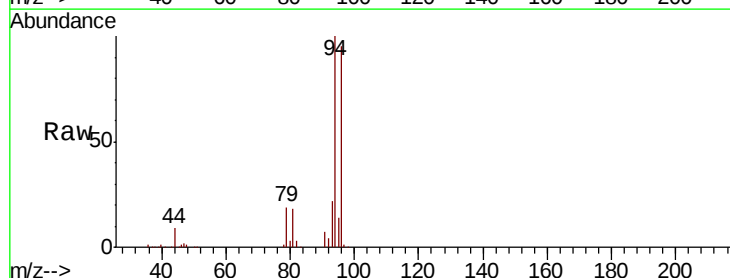
Acq: 30 Jun 2020 22:24

Tgt Ion: 94 Resp: 66922

Ion Ratio Lower Upper

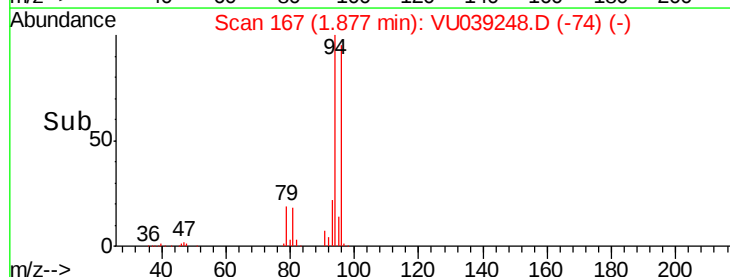
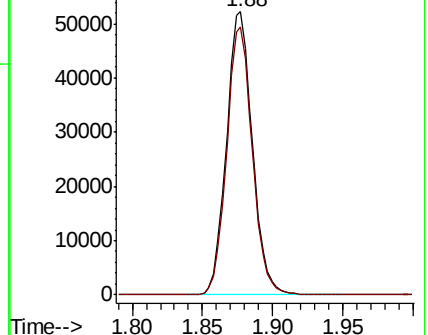
94 100

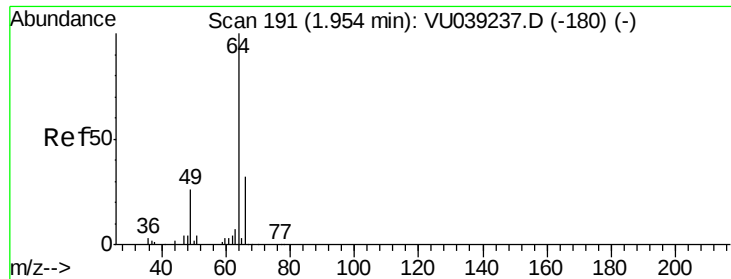
96 94.7 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VU039237.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039248.D (-74) (-)

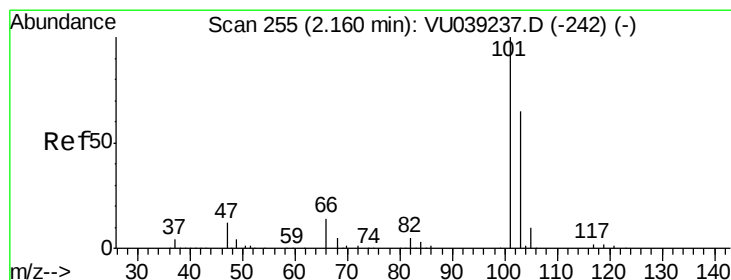
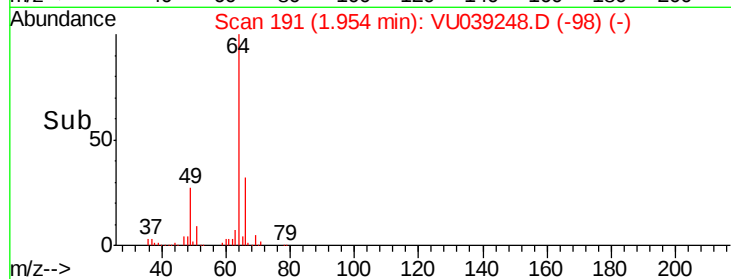
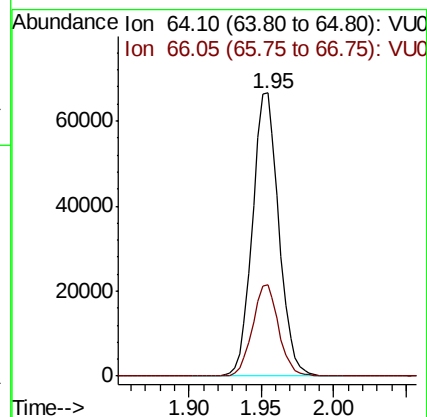
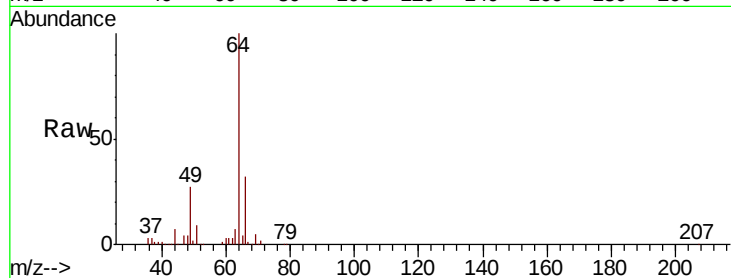




#8
Chloroethane
Concen: 6.077 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

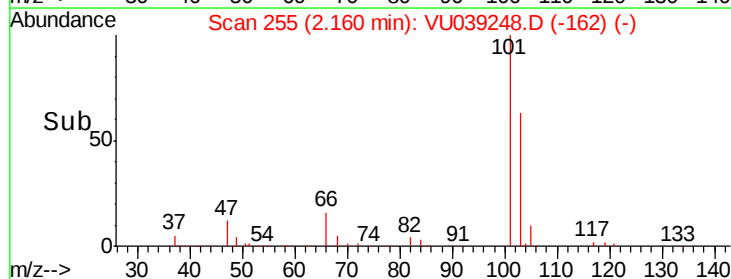
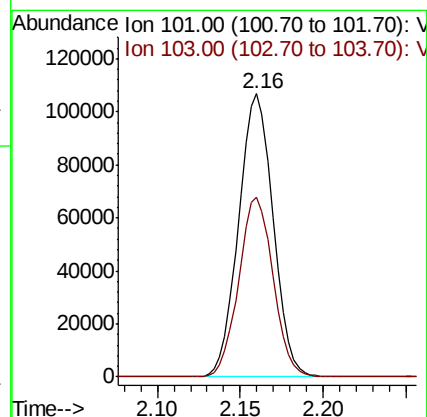
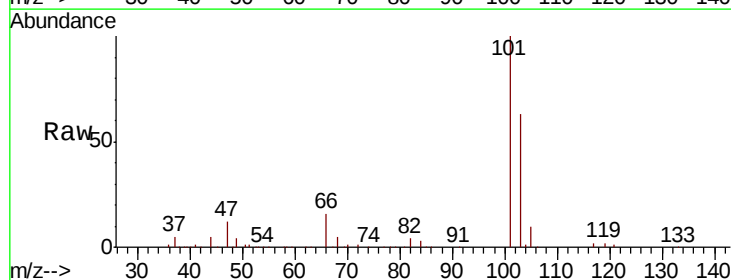
Instrument :
MSVOA_U
ClientSampled :

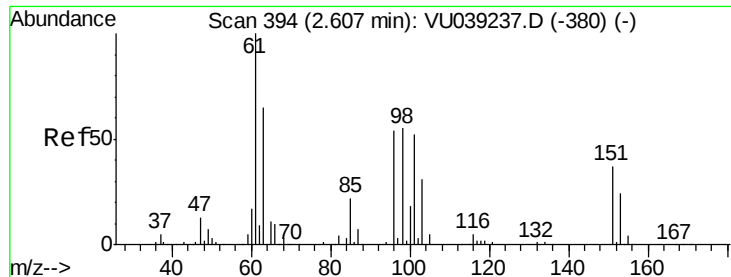
Tot Ion: 64 Resp: 84512
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.735 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion:101 Resp: 154534
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.0





#10

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

Concen: 4.055 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

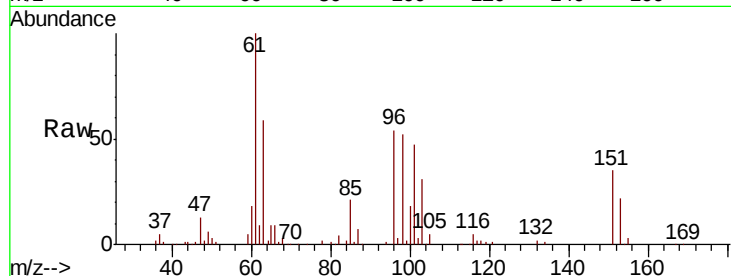
Tot Ion:101 Resp: 67014

Ion Ratio Lower Upper

101 100

85 45.5 34.7 52.1

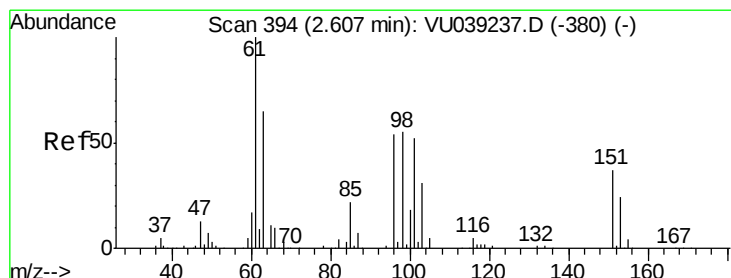
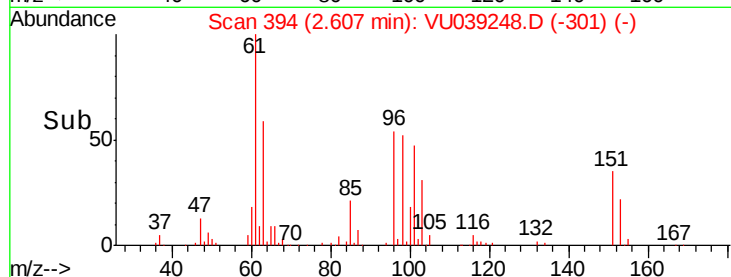
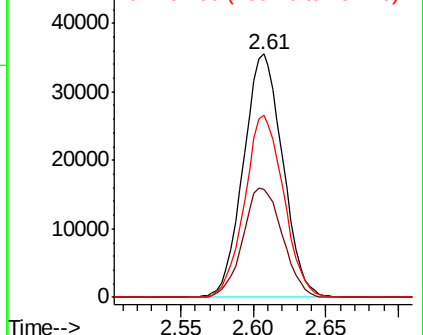
151 74.1 57.4 86.2



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: 4.333 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

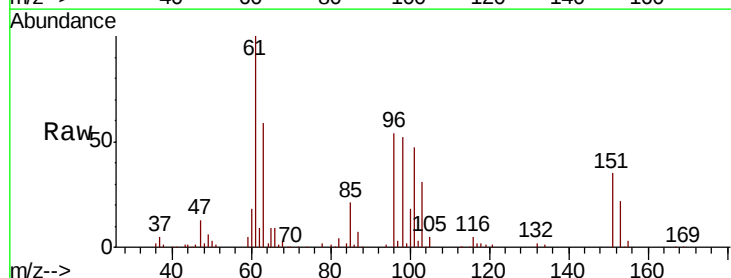
Tgt Ion: 96 Resp: 67726

Ion Ratio Lower Upper

96 100

61 185.7 129.1 239.7

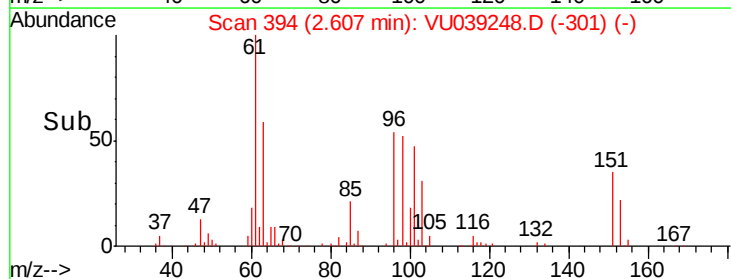
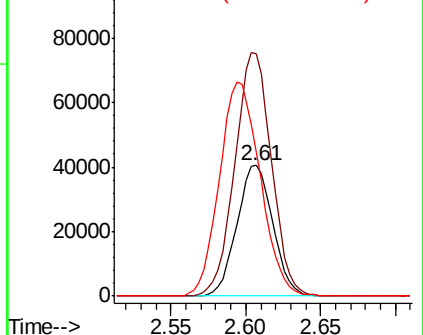
63 110.4 85.5 158.7

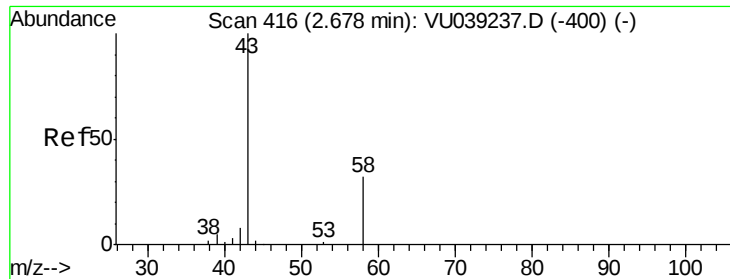


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.005 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

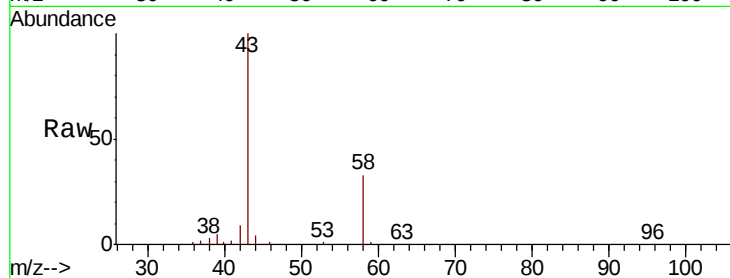
ClientSampled :

Tot Ion: 43 Resp: 172132

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039237.D (-400) (-)

2.67

50000

40000

30000

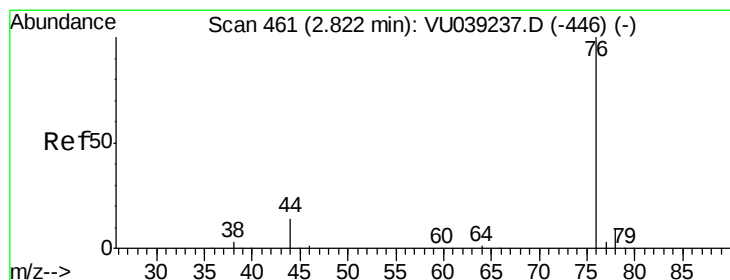
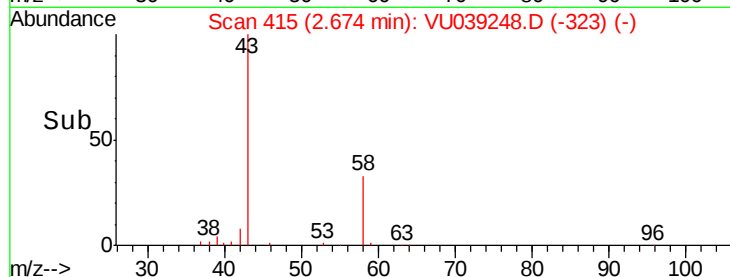
20000

10000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.209 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039248.D

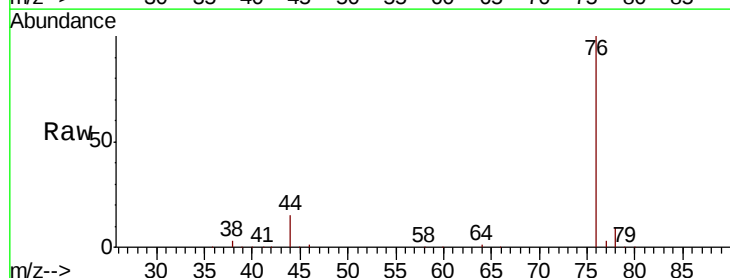
Acq: 30 Jun 2020 22:24

Tgt Ion: 76 Resp: 223380

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039237.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039237.D (-446) (-)

2.82

150000

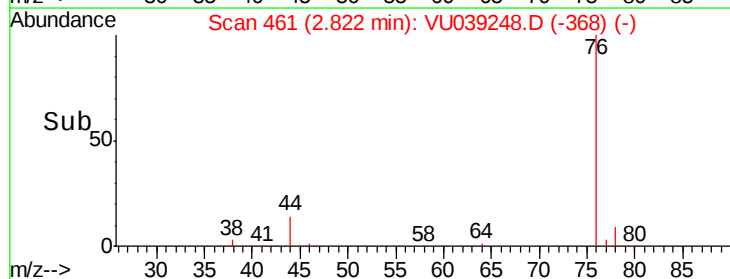
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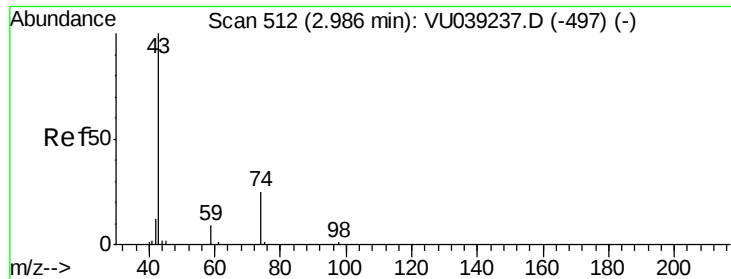
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0

2.75 2.80 2.85 2.90

Time-->

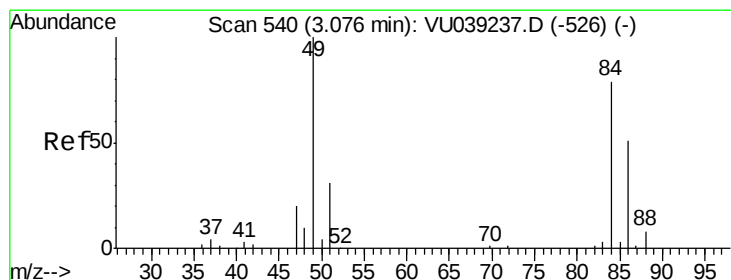
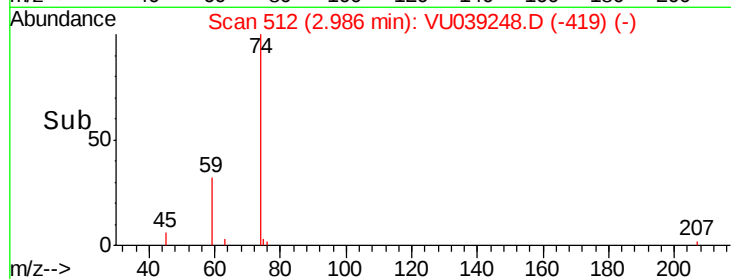
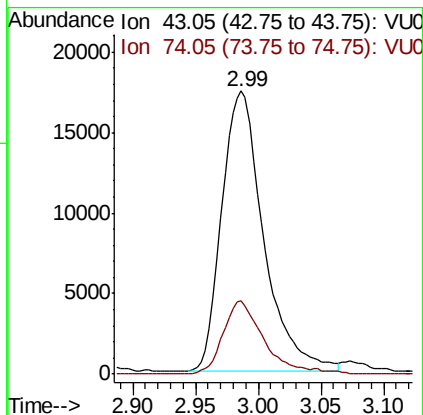
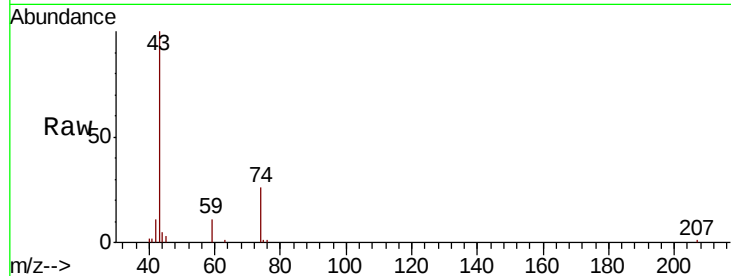




#15
Methvl Acetate
Concen: 4.569 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

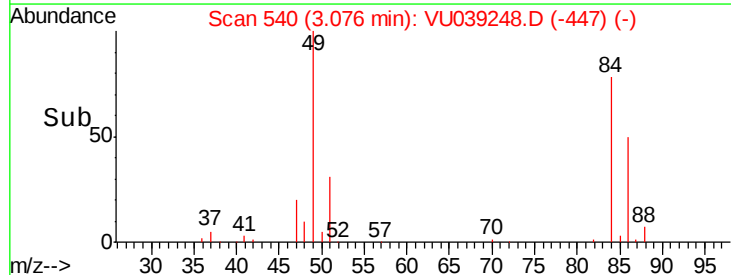
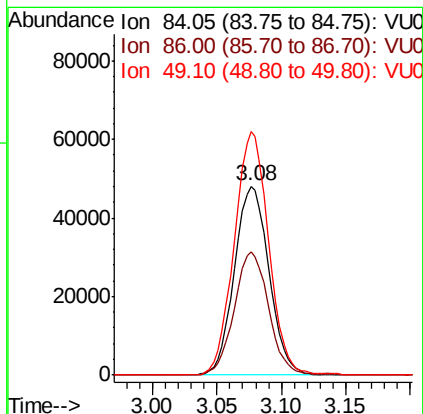
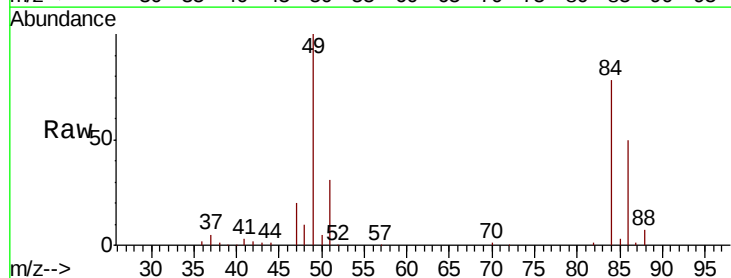
Instrument :
MSVOA_U
ClientSampleId :

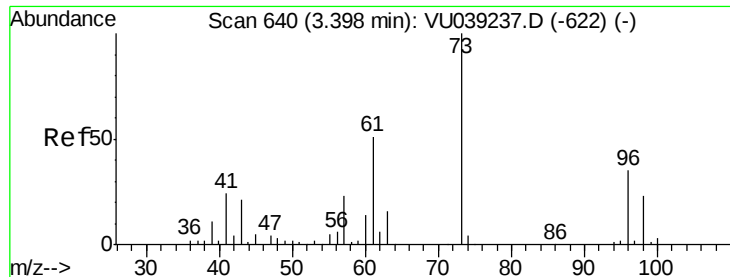
Tot Ion: 43 Resp: 40379
Ion Ratio Lower Upper
43 100
74 24.8 19.6 29.4



#16
Methylene chloride
Concen: 4.223 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion: 84 Resp: 89918
Ion Ratio Lower Upper
84 100
86 65.1 44.9 83.5
49 129.0 88.4 164.2

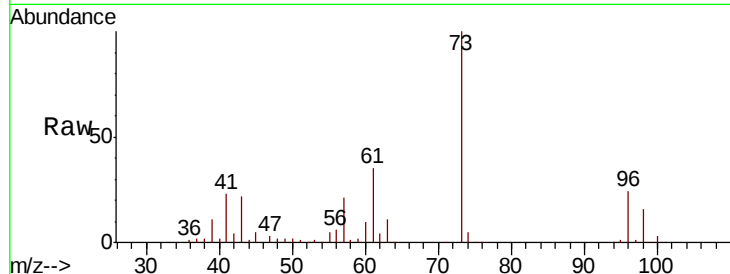




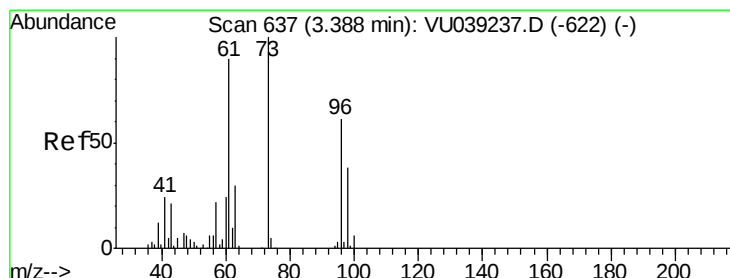
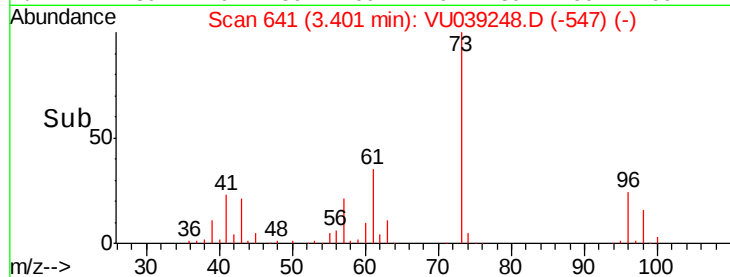
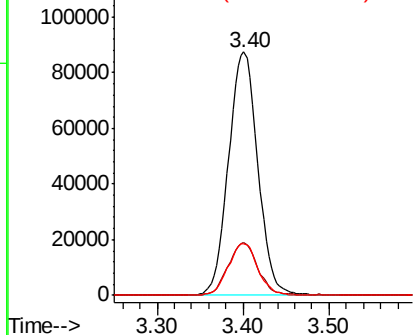
#17
Methvl tert-butvl Ether
Concen: 4.929 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	73	Resp:	207293
Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.4	26.0
57	21.5	17.6	26.4

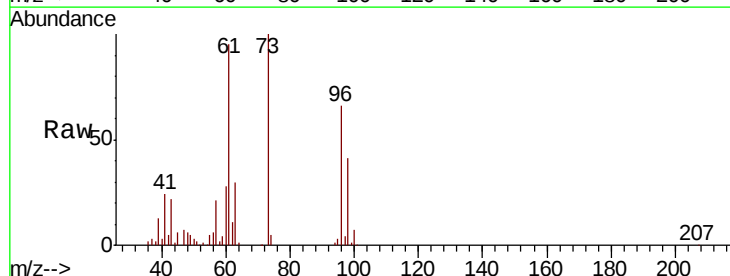


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

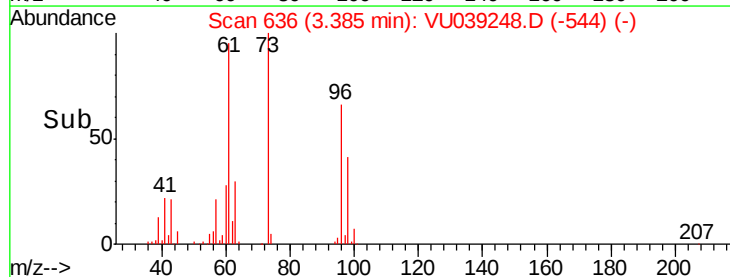
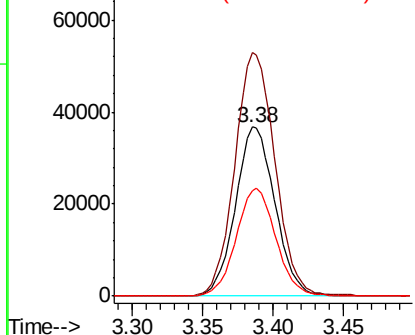


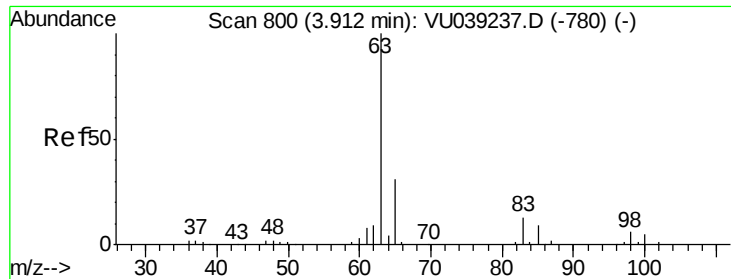
#18
trans-1,2-Dichloroethene
Concen: 4.513 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion:	96	Resp:	72180
Ion	Ratio	Lower	Upper
96	100		
61	144.3	103.3	191.8
98	62.4	44.0	81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

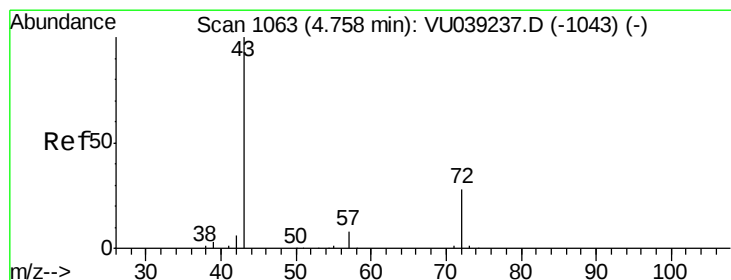
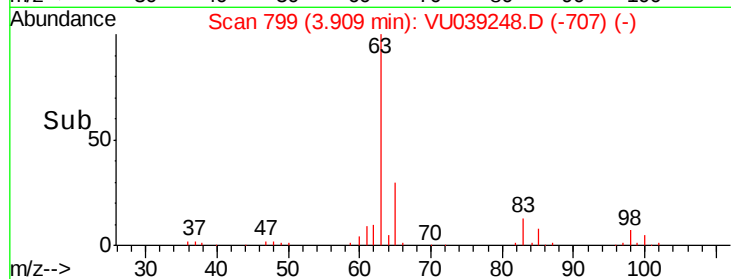
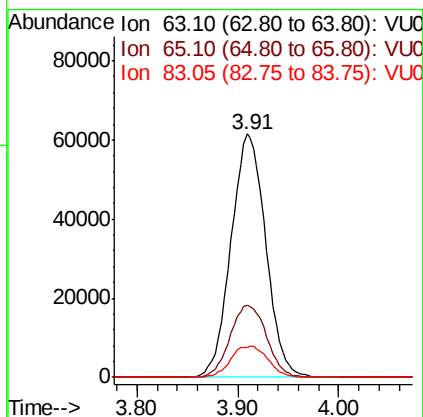
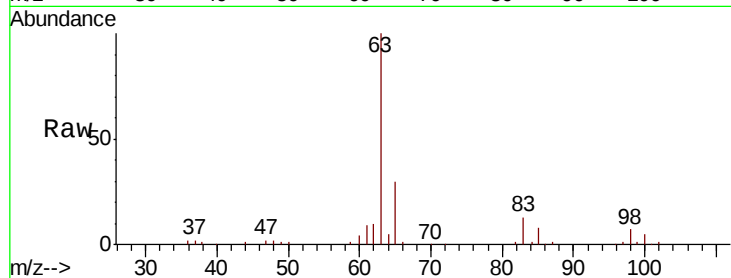




#19
 1,1-Dichloroethane
 Concen: 4.683 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

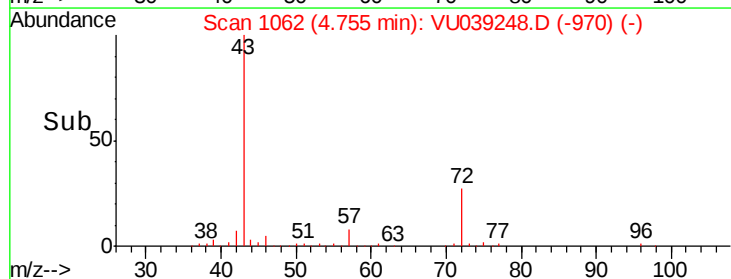
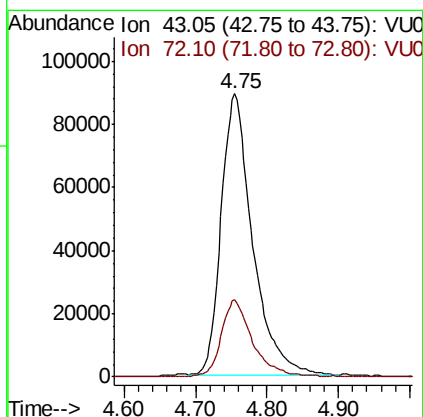
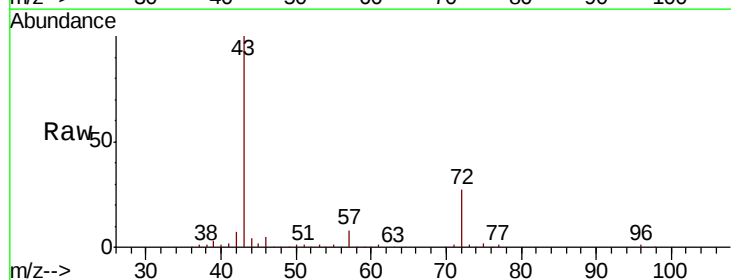
Instrument :
 MSVOA_U
 ClientSampled :

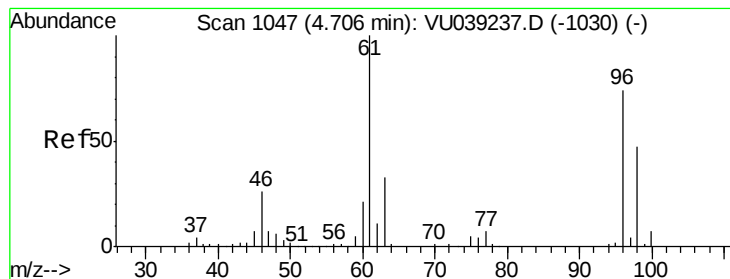
Tot Ion: 63 Resp: 146881
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.9 40.7
 83 12.5 9.2 17.2



#21
 2-Butanone
 Concen: 46.465 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion: 43 Resp: 273232
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 4.735 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :

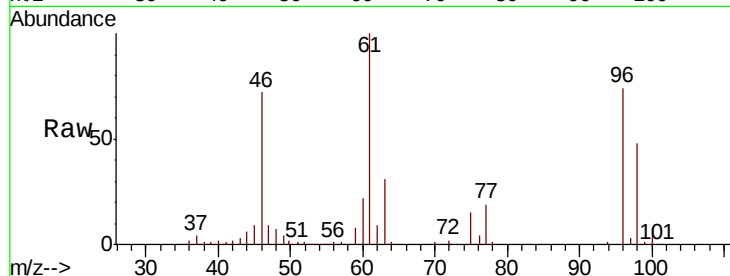
Tot Ion: 96 Resp: 80111

Ion Ratio Lower Upper

96 100

61 135.4 94.2 175.0

68 0.0 0.0 0.0

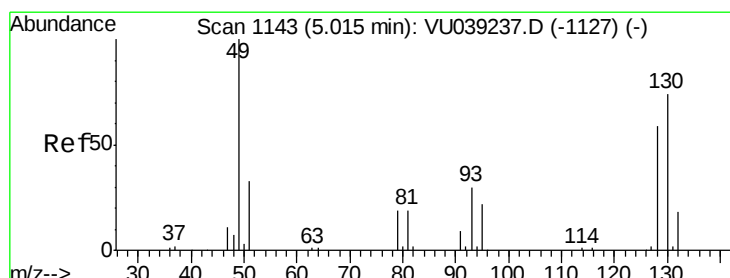
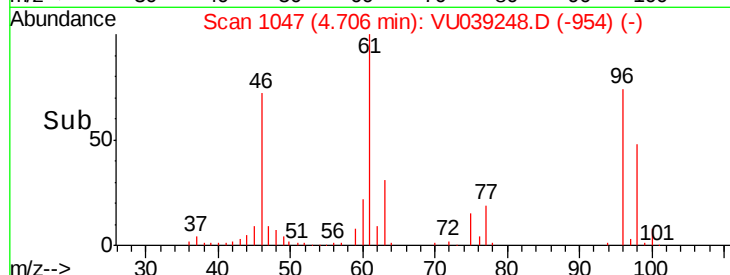
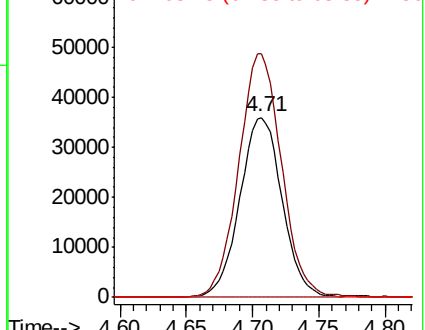


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.101 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Tgt Ion: 128 Resp: 39448

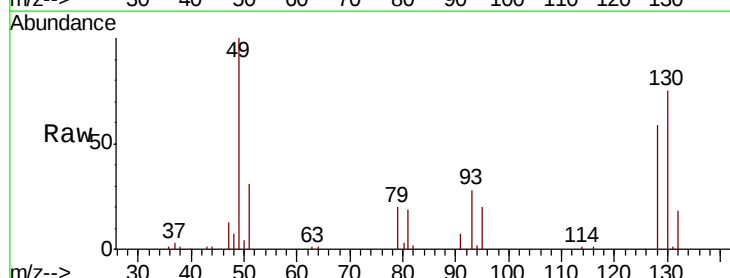
Ion Ratio Lower Upper

128 100

49 170.1 119.1 221.1

130 127.8 87.8 163.2

51 53.0 45.2 67.8



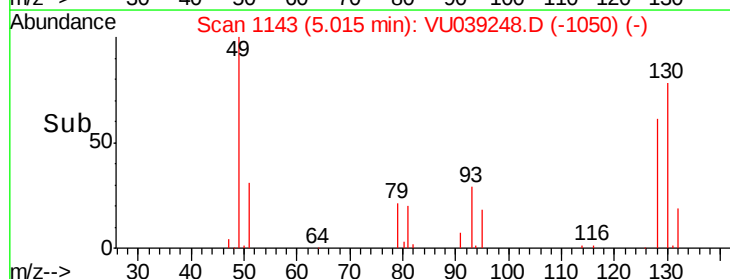
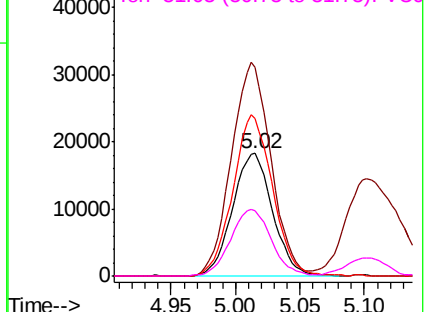
Abundance

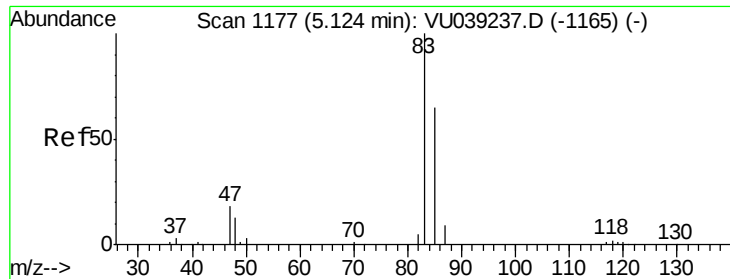
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

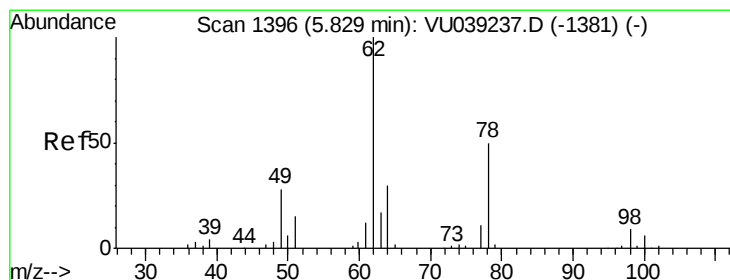
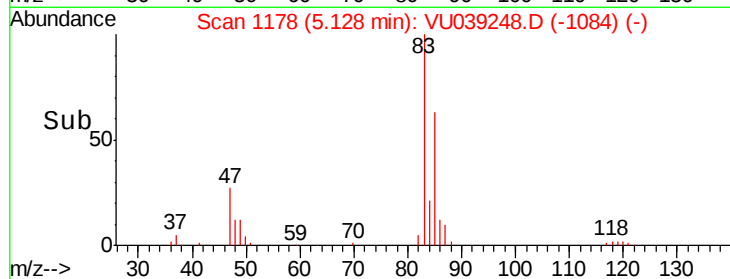
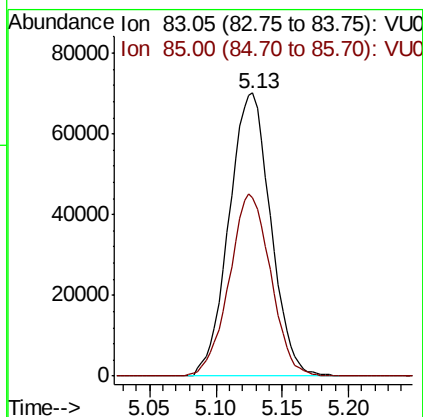
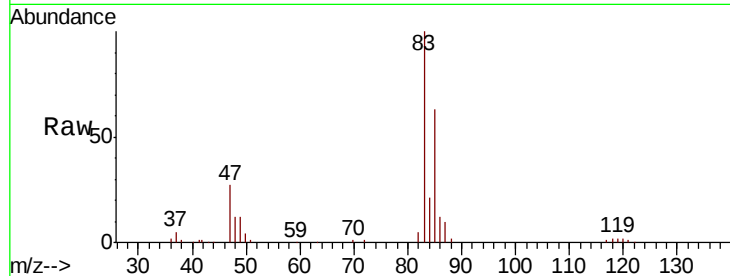




#25
Chloroform
Concen: 4.772 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

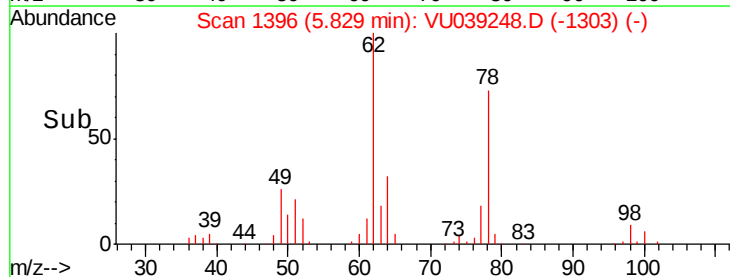
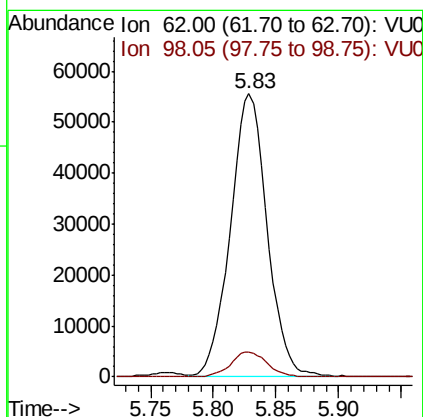
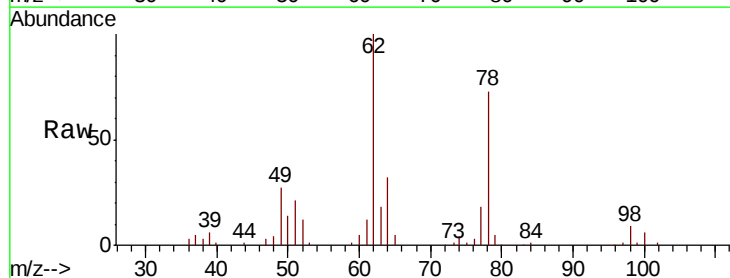
Instrument :
MSVOA_U
ClientSampleId :

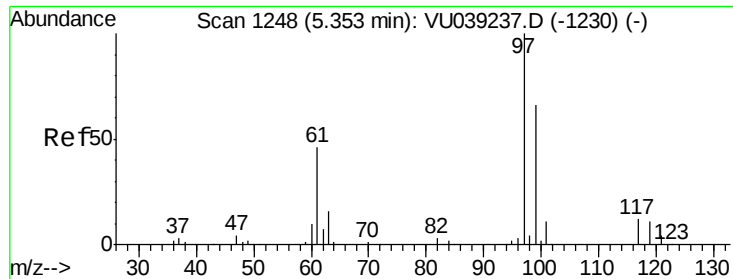
Tot Ion: 83 Resp: 152954
Ion Ratio Lower Upper
83 100
85 63.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 4.792 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion: 62 Resp: 112103
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

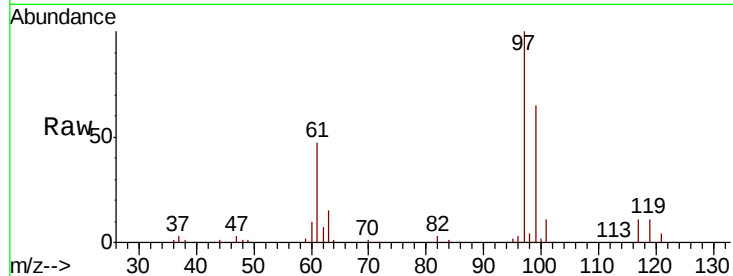




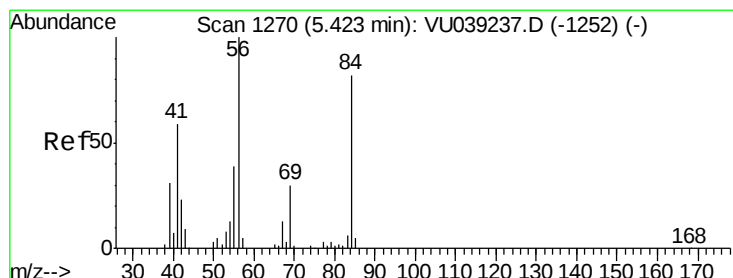
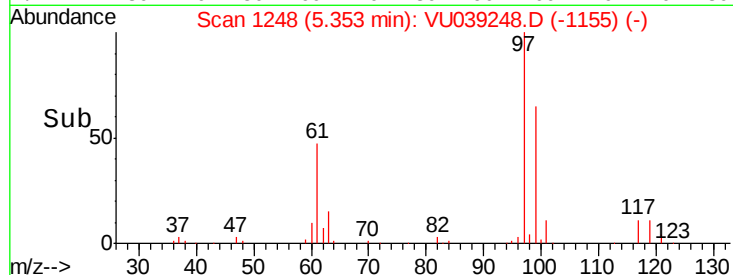
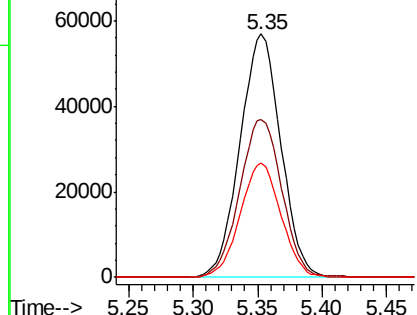
#29
 1,1,1-Trichloroethane
 Concen: 4.806 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 125334
 Ion Ratio Lower Upper
 97 100
 99 67.4 52.2 78.2
 61 47.0 37.2 55.8

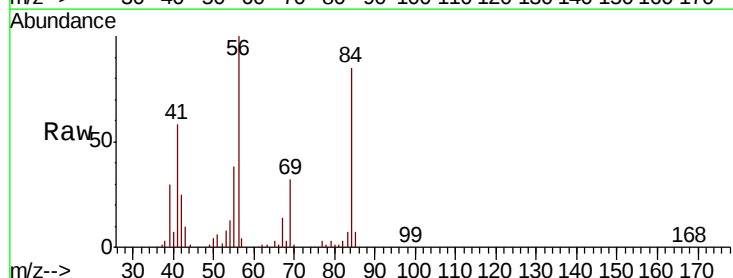


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

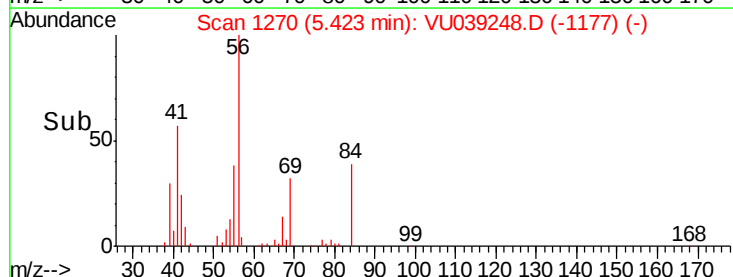
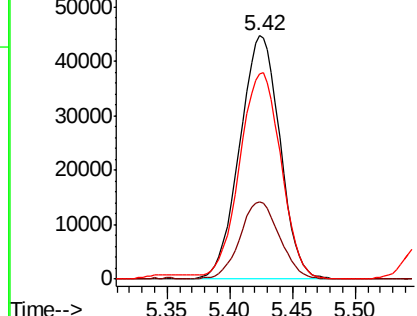


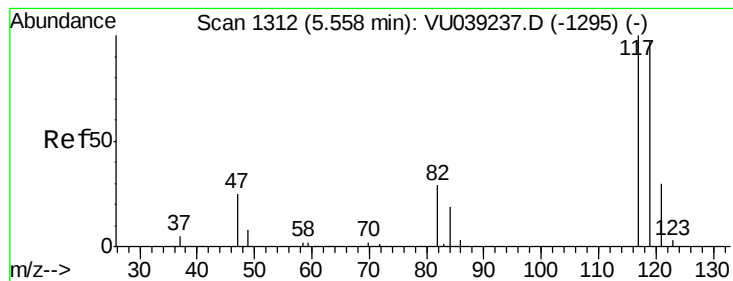
#30
 Cyclohexane
 Concen: 4.120 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion: 56 Resp: 99770
 Ion Ratio Lower Upper
 56 100
 69 31.4 23.9 35.9
 84 87.5 68.1 102.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.814 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

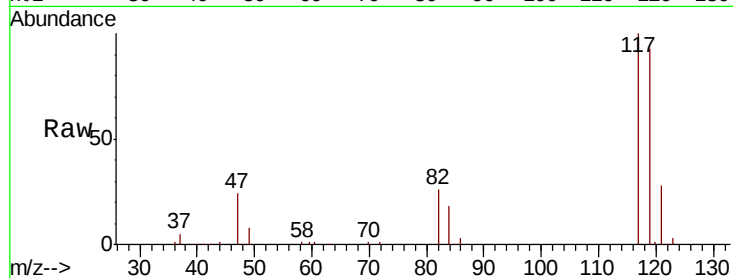
ClientSampled :

Tot Ion:117 Resp: 106129

Ion Ratio Lower Upper

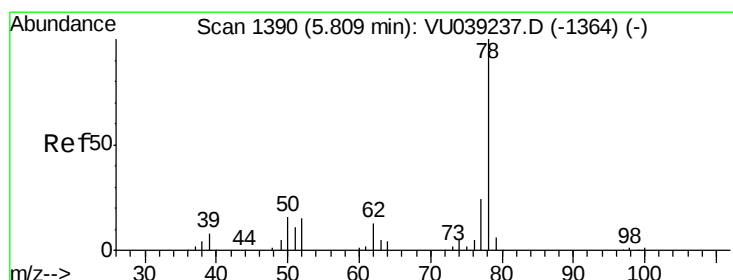
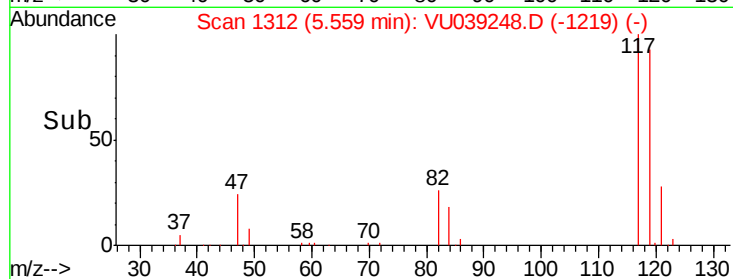
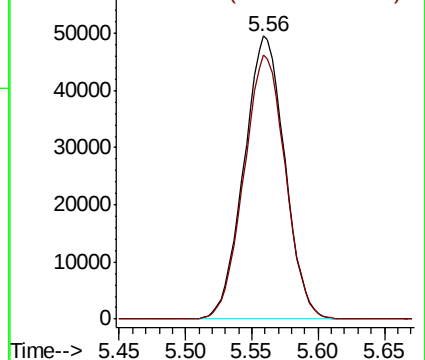
117 100

119 94.6 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.905 ug/L

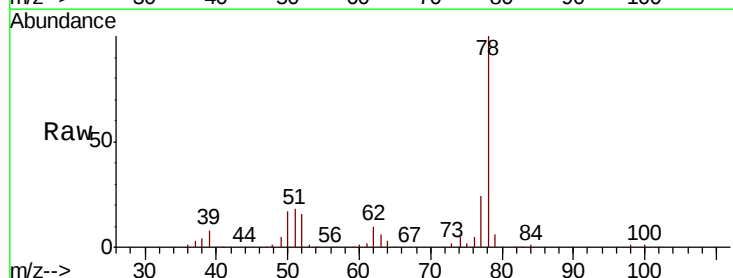
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

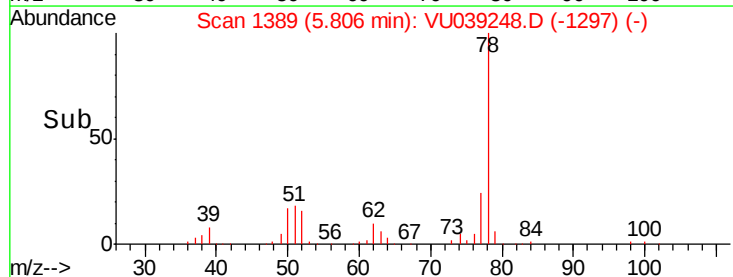
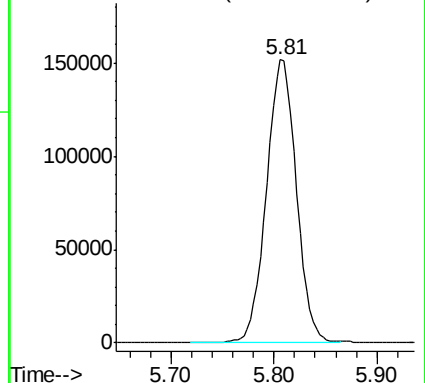
Lab File: VU039248.D

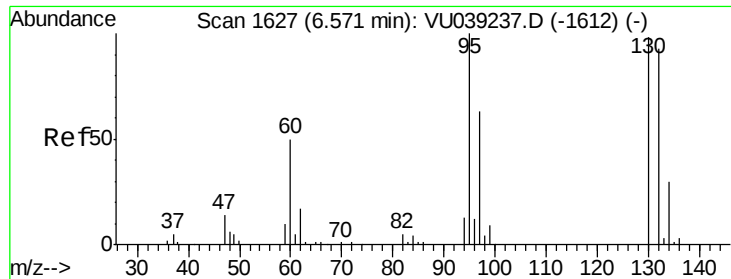
Acq: 30 Jun 2020 22:24

Tgt Ion: 78 Resp: 305781



Abundance Ion 78.10 (77.80 to 78.80): VU0

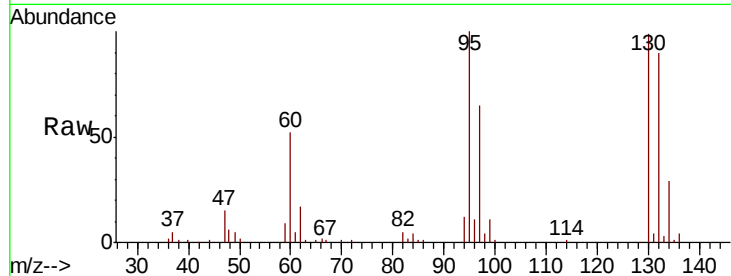




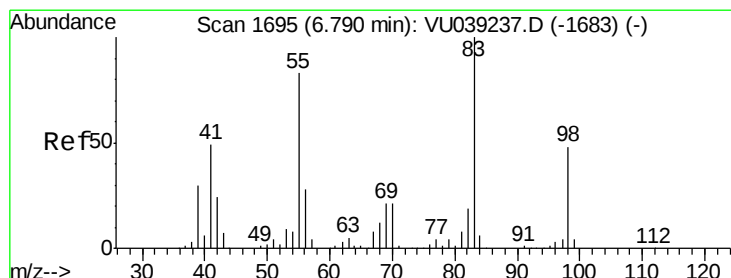
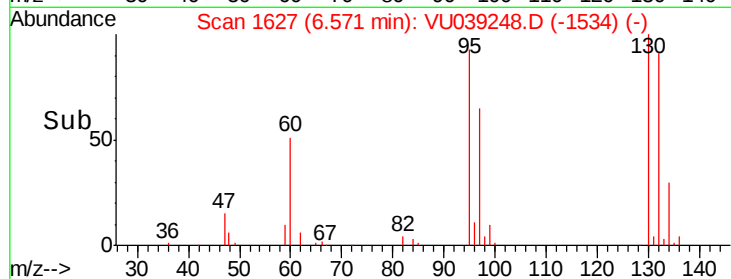
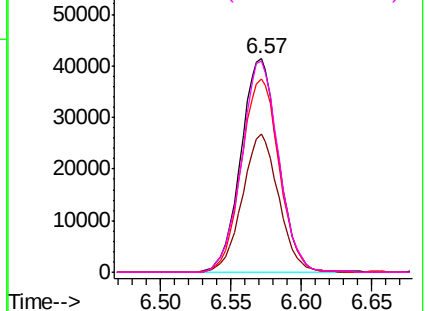
#34
 Trichloroethene
 Concen: 4.714 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 77246
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.0 81.8
 132 90.5 64.9 120.5
 130 99.0 68.7 127.5

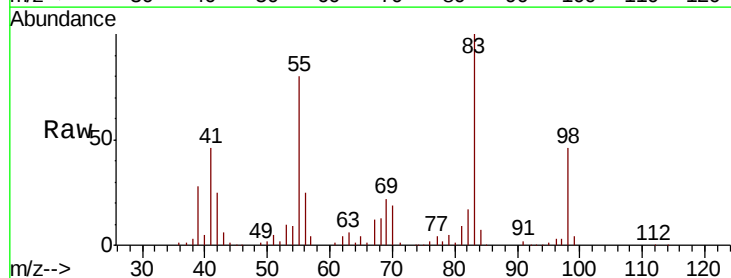


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

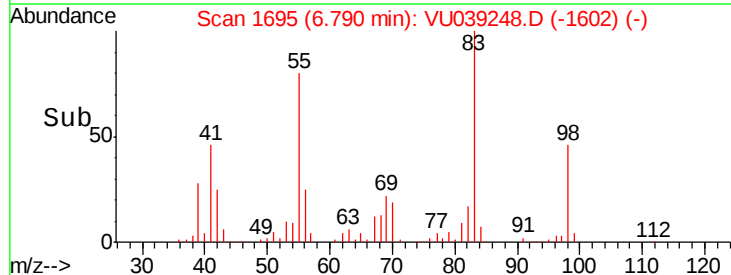
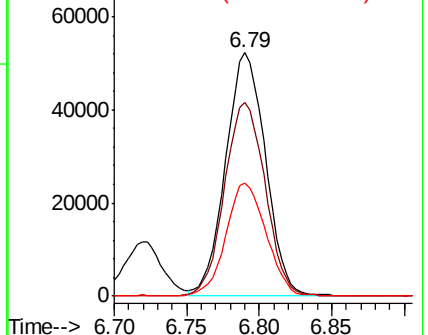


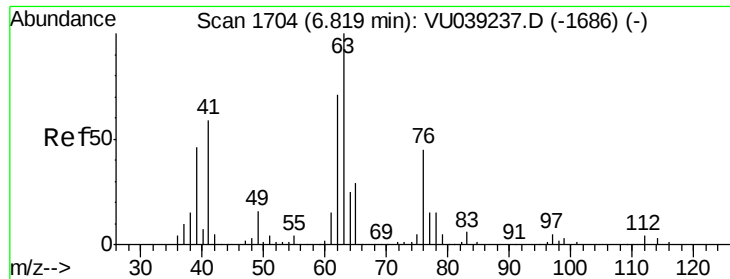
#35
 Methylcyclohexane
 Concen: 4.090 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion: 83 Resp: 100159
 Ion Ratio Lower Upper
 83 100
 55 81.1 64.4 96.6
 98 46.8 37.9 56.9



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

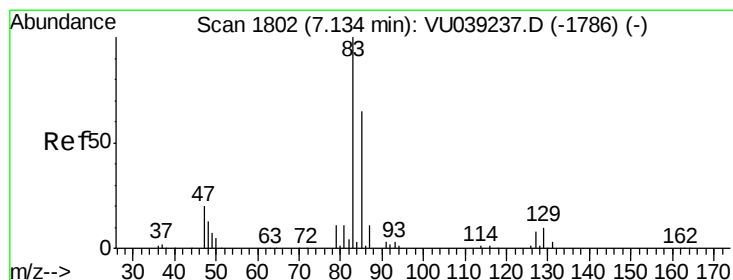
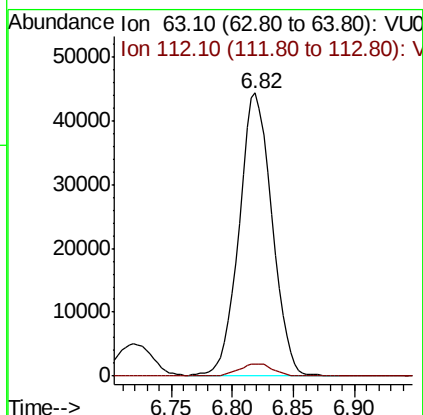
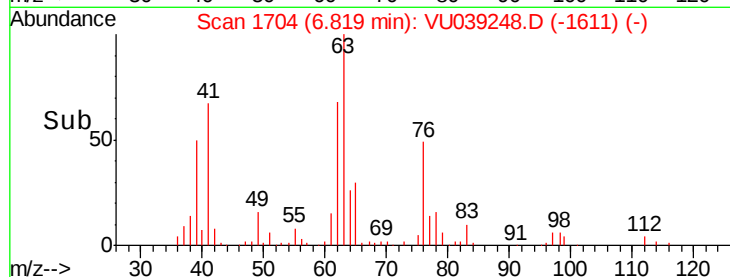
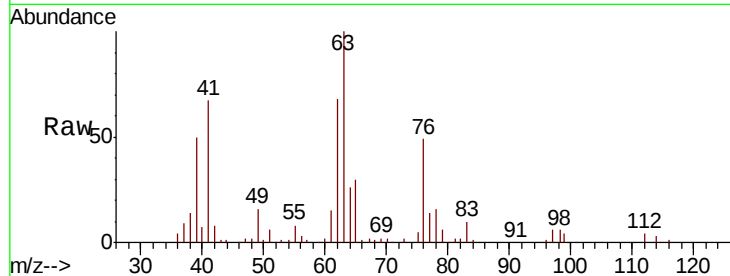




#37
 1,2-Dichloropropane
 Concen: 4.876 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

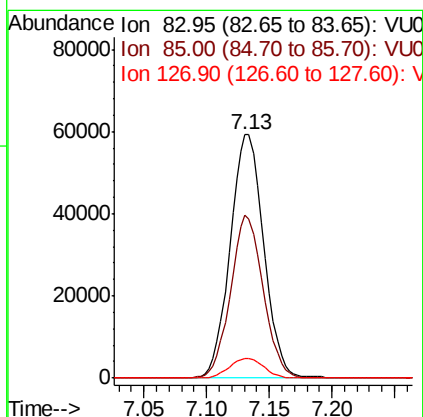
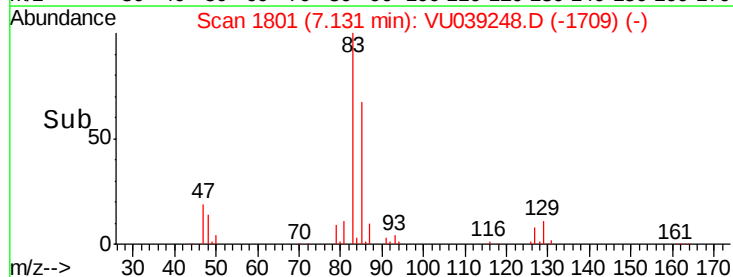
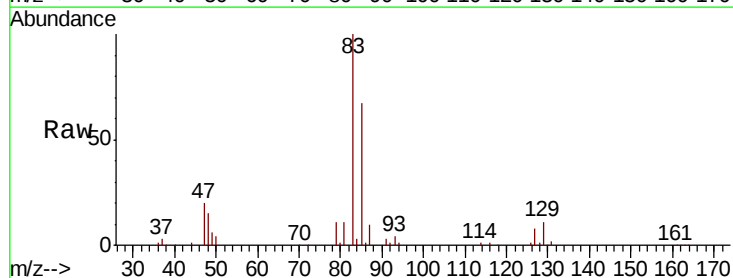
Instrument :
 MSVOA_U
 ClientSampled :

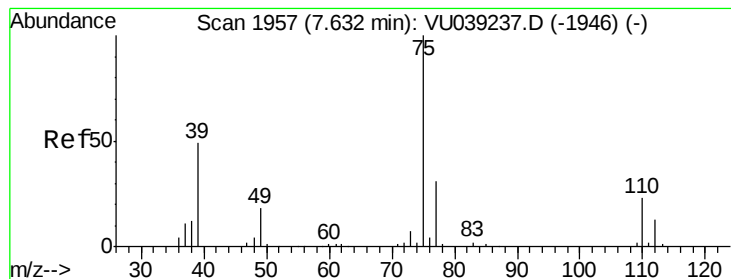
Tot Ion: 63 Resp: 82186
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.963 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion: 83 Resp: 110561
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.6 84.8
 127 8.3 6.1 9.1



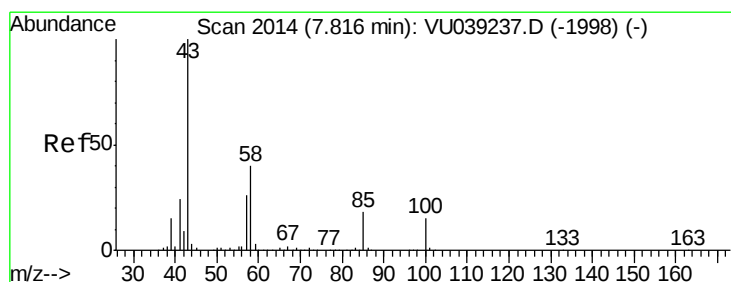
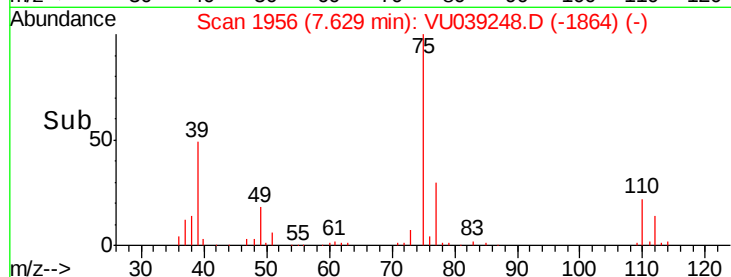
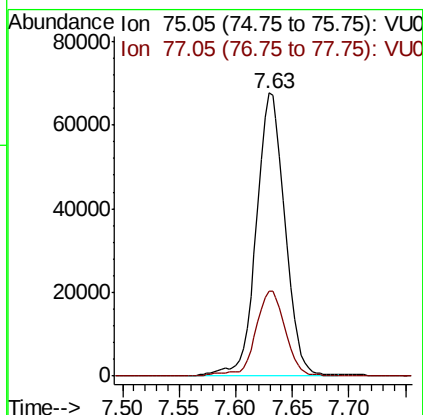
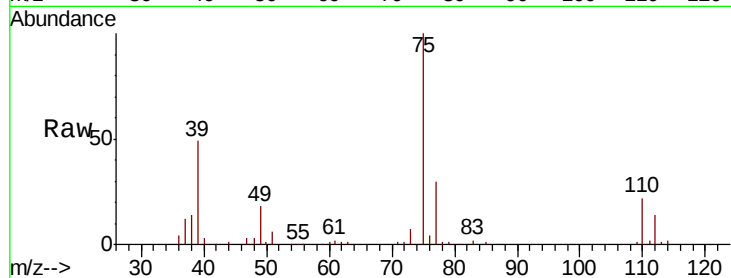


#39

cis-1,3-Dichloropropene
Concen: 4.989 ug/L
RT: 7.63 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :

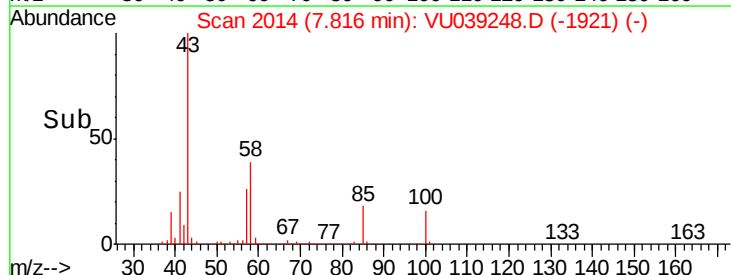
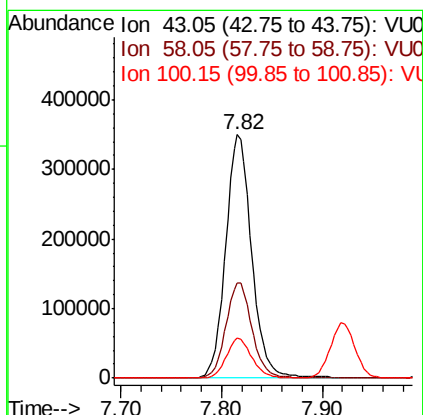
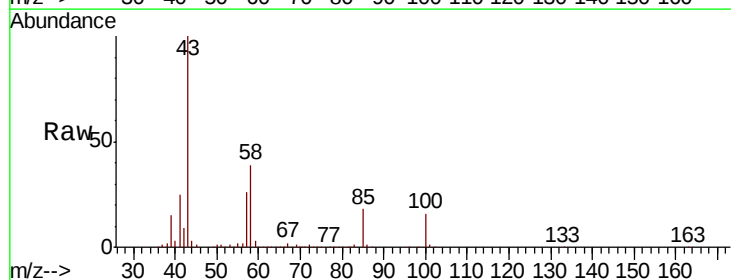
Tot Ion: 75 Resp: 119395
Ion Ratio Lower Upper
75 100
77 30.1 22.5 41.7

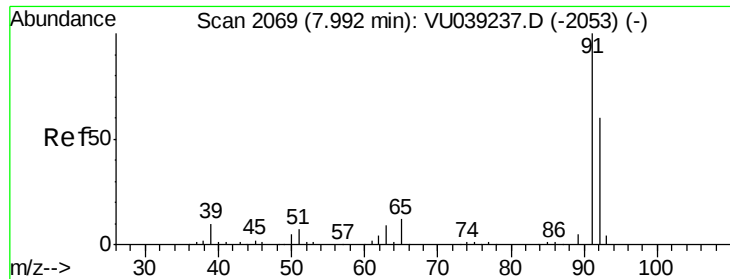


#40

4-Methyl-2-pentanone
Concen: 49.946 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion: 43 Resp: 629700
Ion Ratio Lower Upper
43 100
58 39.4 31.1 46.7
100 15.9 12.4 18.6





#42

Toluene

Concen: 4.704 ug/L

RT: 7.99 min Scan# 2068

Delta R.T. -0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

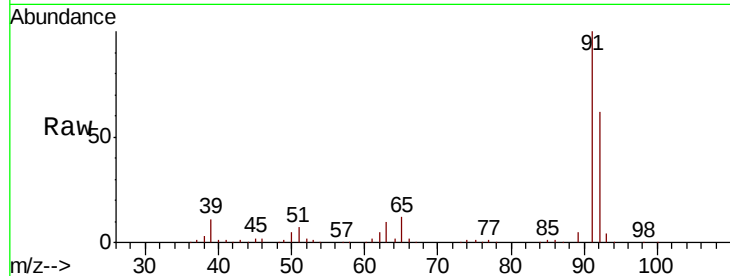
ClientSampleId :

Tot Ion: 91 Resp: 300532

Ion Ratio Lower Upper

91 100

92 61.5 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039248.D (-1976) (-)

7.99

200000

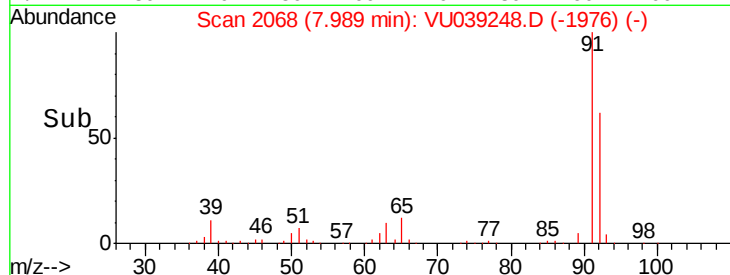
150000

100000

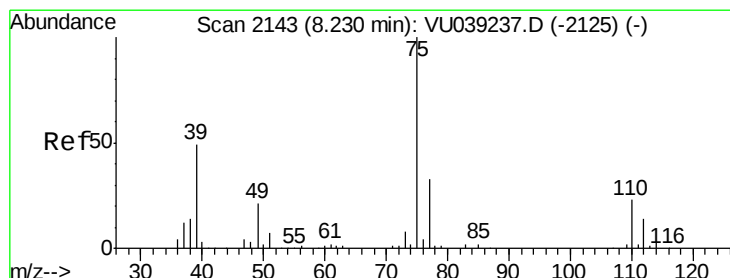
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039248.D

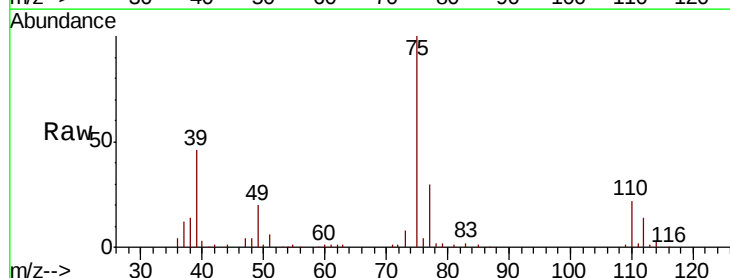
Acq: 30 Jun 2020 22:24

Tgt Ion: 75 Resp: 113869

Ion Ratio Lower Upper

75 100

77 29.8 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU039237.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU039248.D (-2050) (-)

8.23

80000

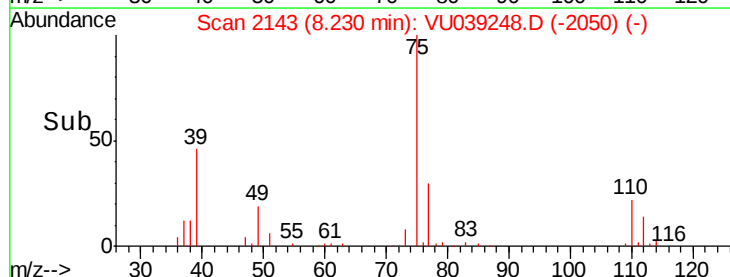
60000

40000

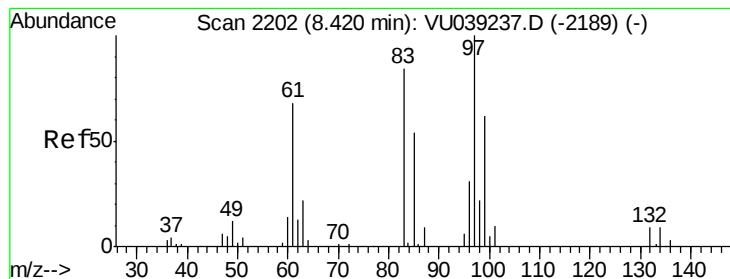
20000

0

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 4.931 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 63018

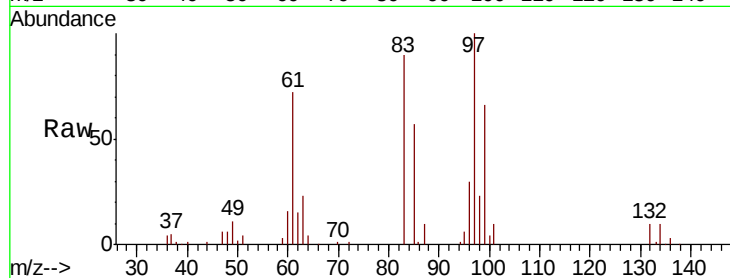
Ion Ratio Lower Upper

97 100

99 66.2 43.7 81.1

83 89.6 58.9 109.3

85 56.7 37.9 70.3



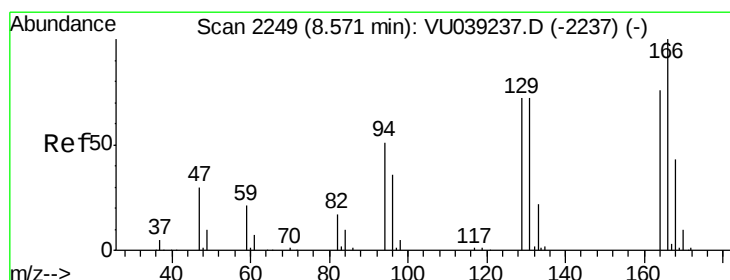
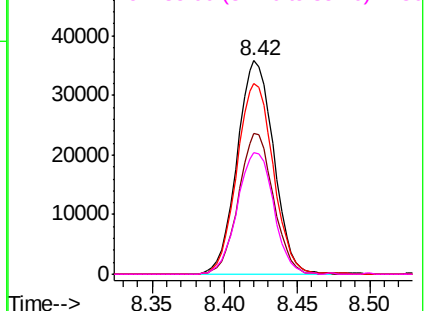
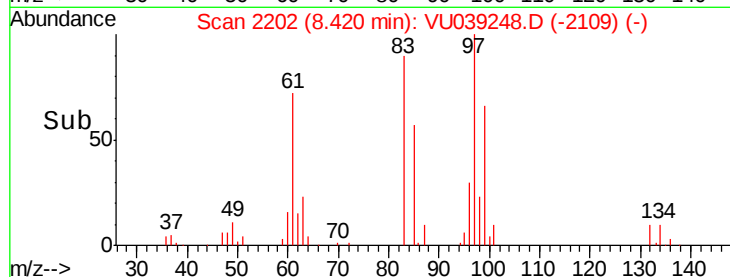
Abundance

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: 4.664 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Tgt Ion: 164 Resp: 53625

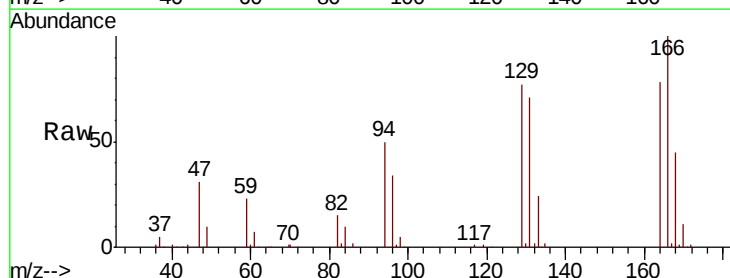
Ion Ratio Lower Upper

164 100

129 98.4 66.4 123.4

131 91.4 66.7 123.9

166 128.1 92.3 171.5



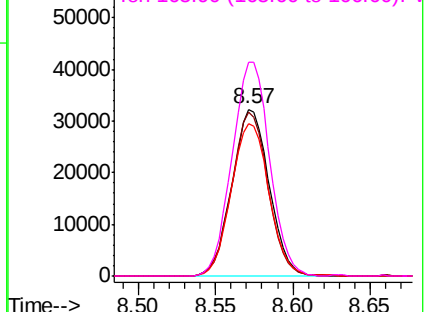
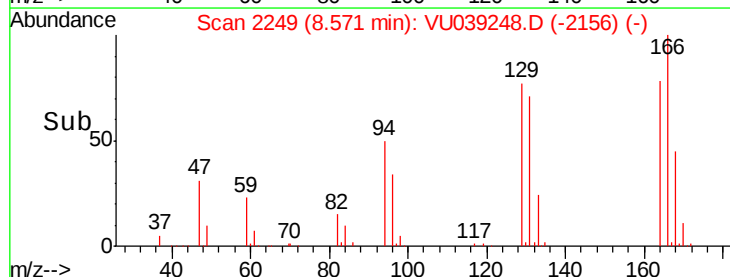
Abundance

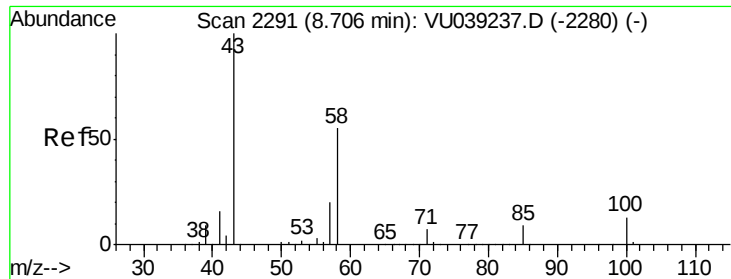
Ion 163.90 (163.60 to 164.60): V

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

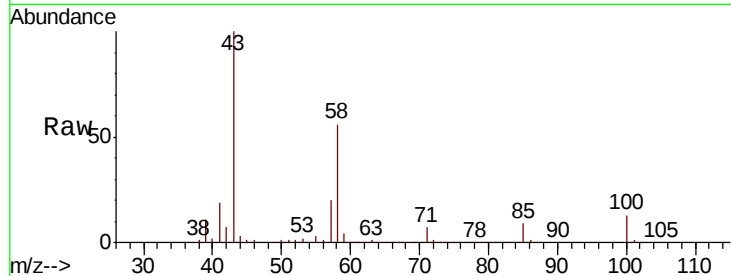




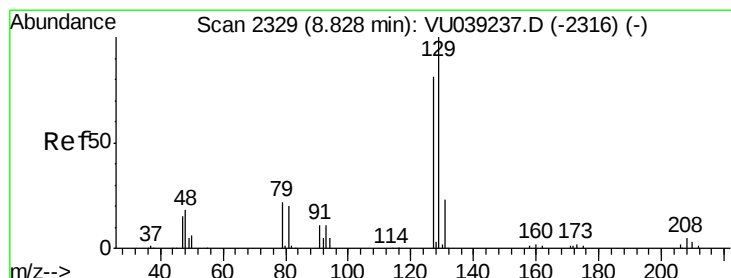
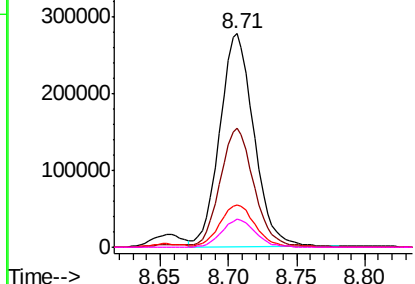
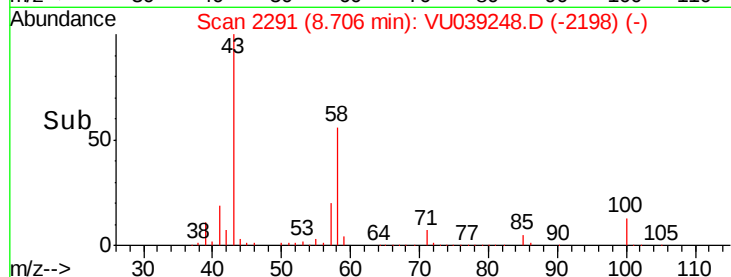
#48
2-Hexanone
Concen: 49.596 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 483530
Ion Ratio Lower Upper
43 100
58 55.2 43.6 65.4
57 20.5 15.5 23.3
100 13.1 10.0 15.0

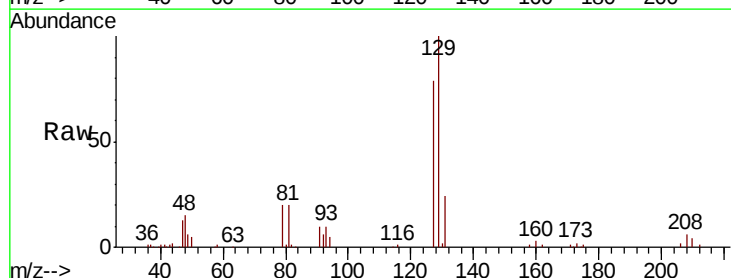


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

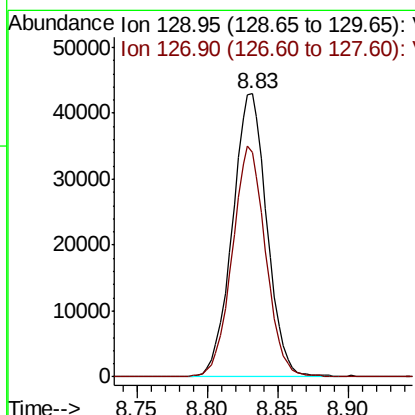
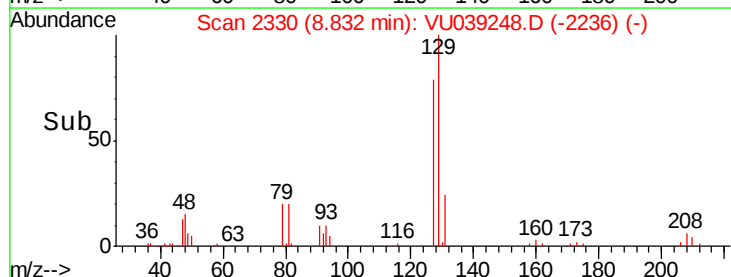


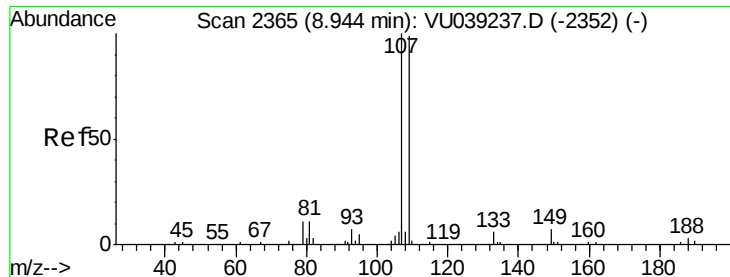
#49
Dibromochloromethane
Concen: 5.227 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion: 129 Resp: 73682
Ion Ratio Lower Upper
129 100
127 79.5 56.8 105.4



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

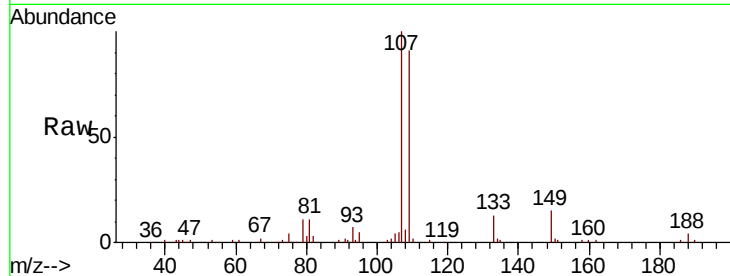




#50
 1,2-Dibromoethane
 Concen: 5.266 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.8	69.0	128.1
188	4.1	2.6	4.0#

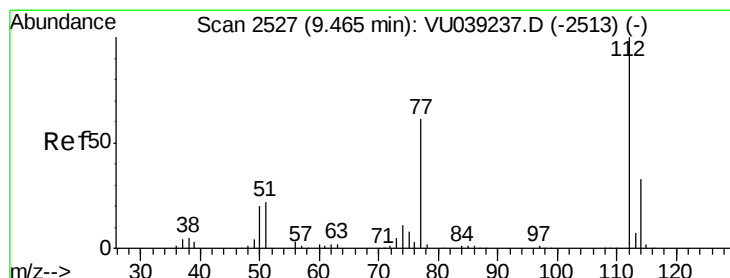
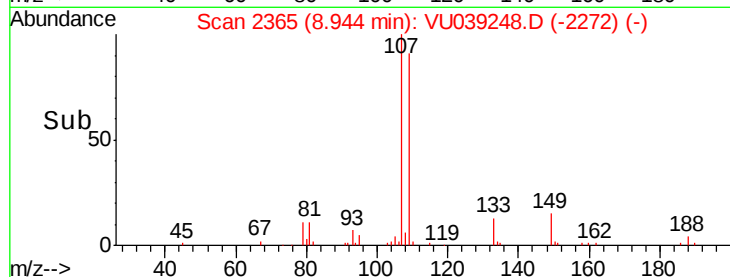
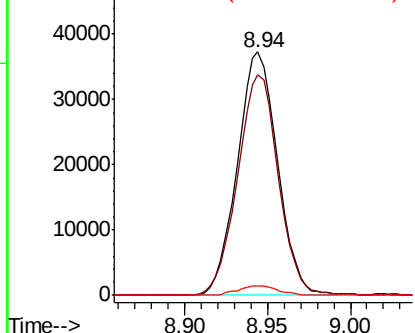


Abundance

Ion 106.95 (106.65 to 107.65): V

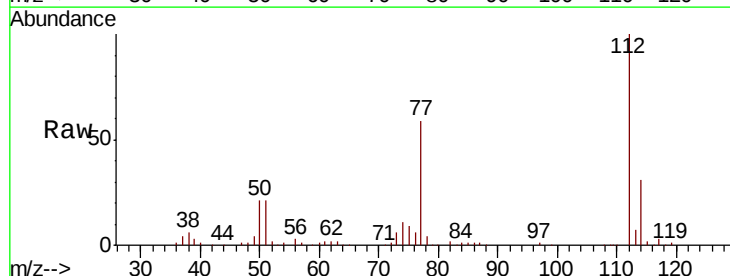
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.721 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.8	42.4
77	59.4	49.7	74.5

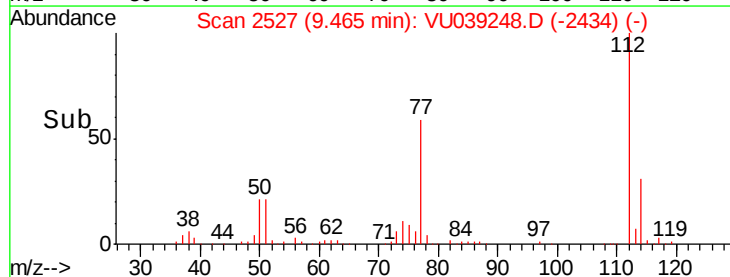
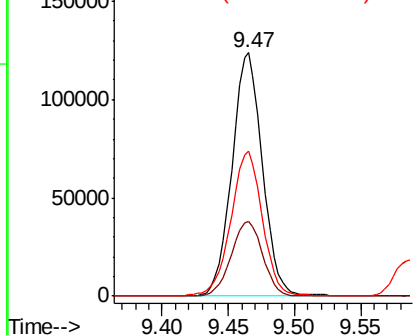


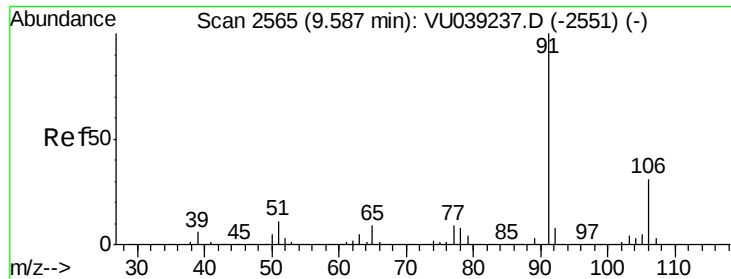
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.345 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

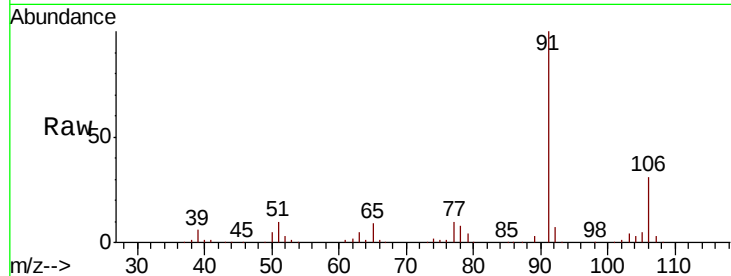
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 306849

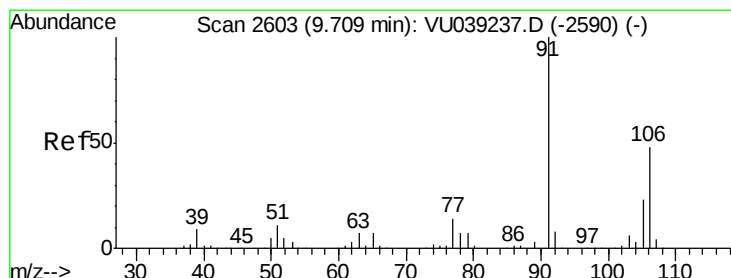
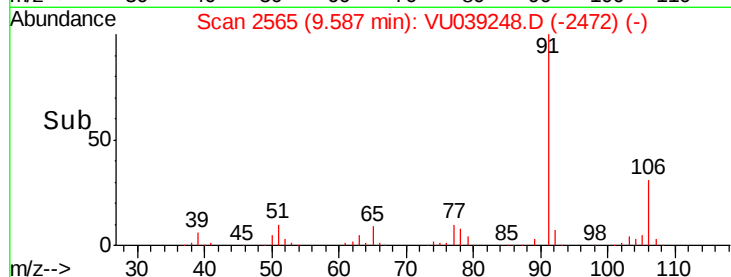
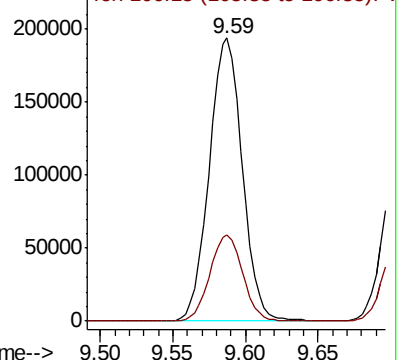
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.531 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039248.D

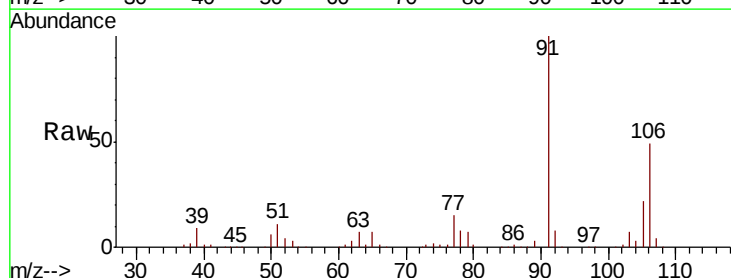
Acq: 30 Jun 2020 22:24

Tgt Ion: 106 Resp: 118058

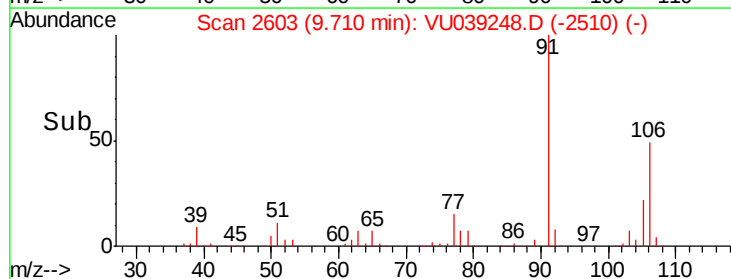
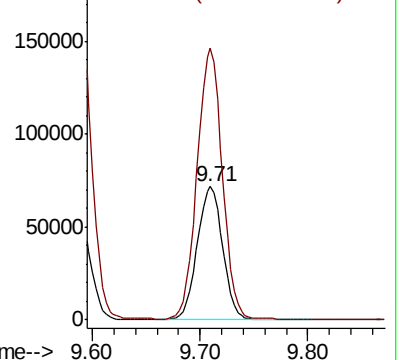
Ion Ratio Lower Upper

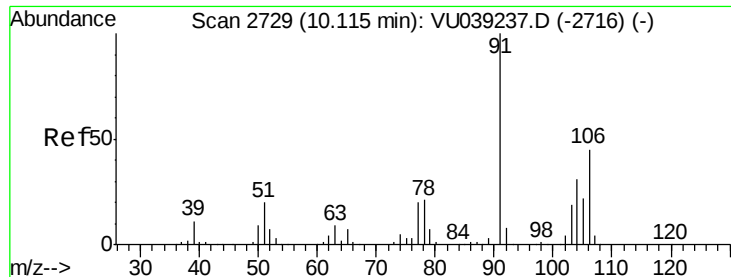
106 100

91 204.2 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039237.D (-2590) (-)

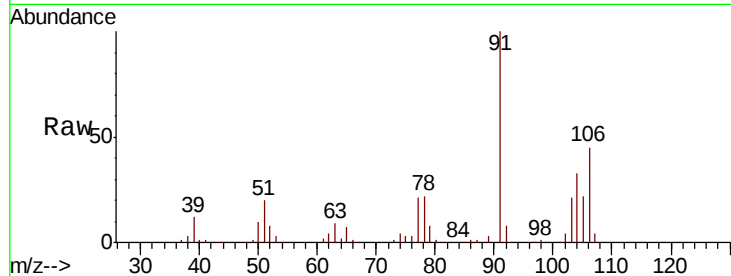




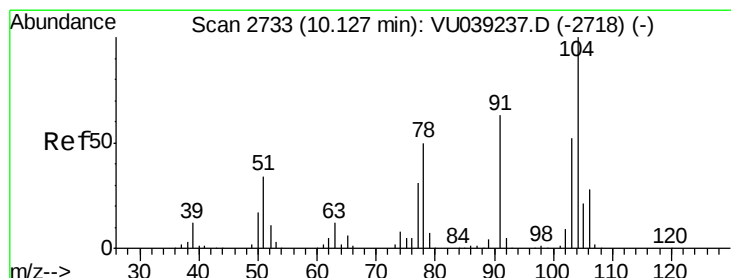
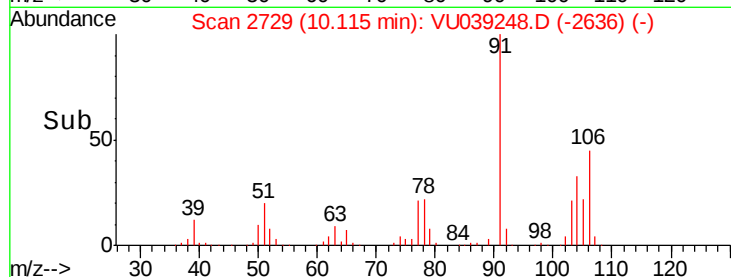
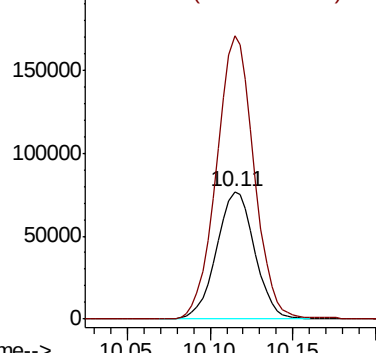
#54
o-Xylene
Concen: 4.993 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 122980
Ion Ratio Lower Upper
106 100
91 222.5 154.2 286.4

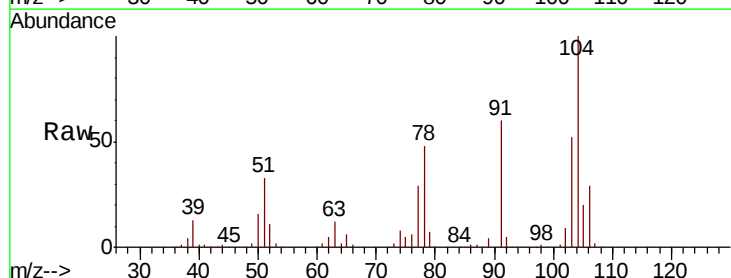


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

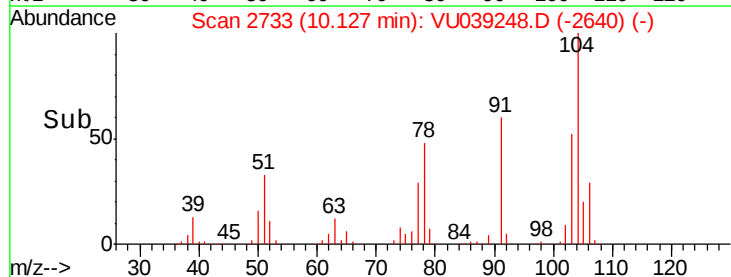
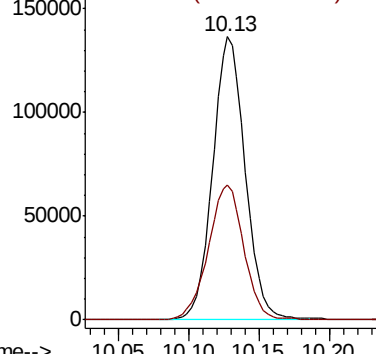


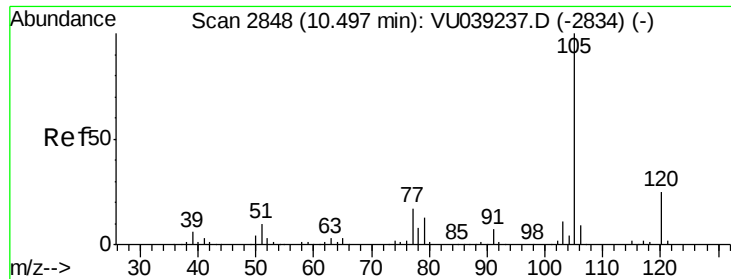
#55
Styrene
Concen: 5.169 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039248.D
Acq: 30 Jun 2020 22:24

Tgt Ion:104 Resp: 219984
Ion Ratio Lower Upper
104 100
78 47.7 35.1 65.3



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





#56

Isopropylbenzene

Concen: 4.732 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

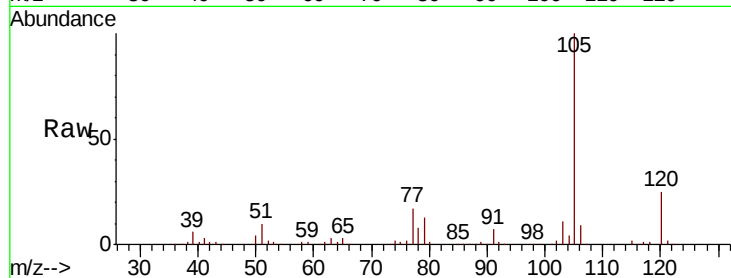
Tot Ion:105 Resp: 308697

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

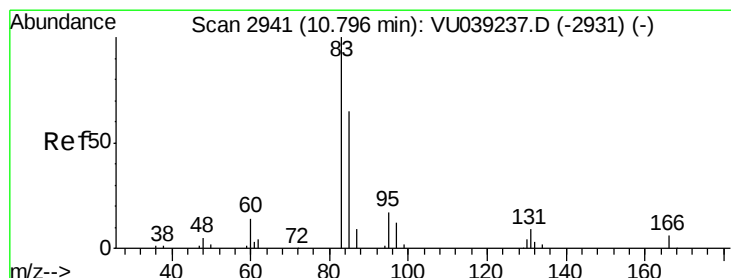
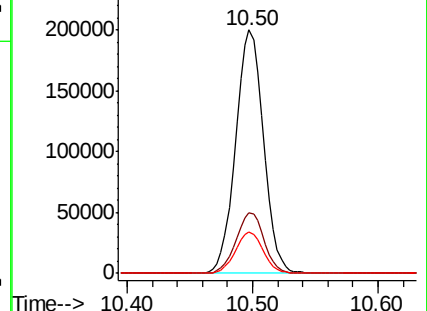
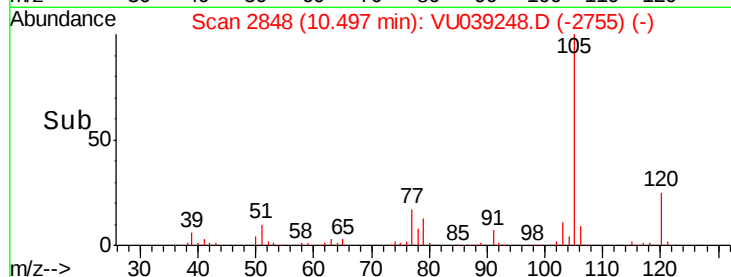
77 16.9 13.3 19.9



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: 4.700 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

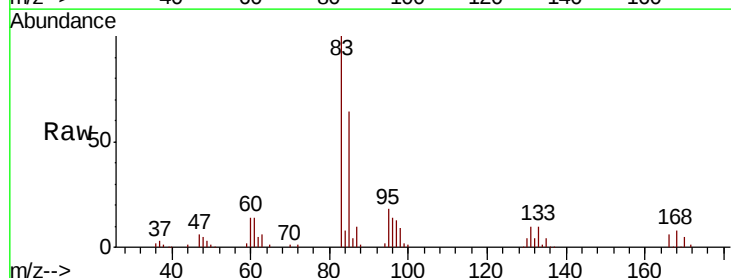
Tgt Ion: 83 Resp: 75864

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4

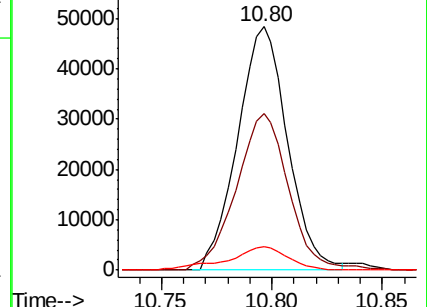
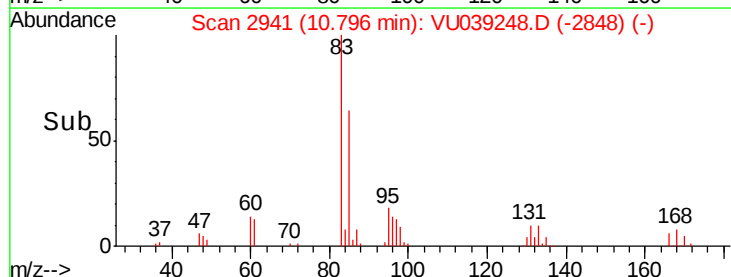
131 9.6 8.4 12.6

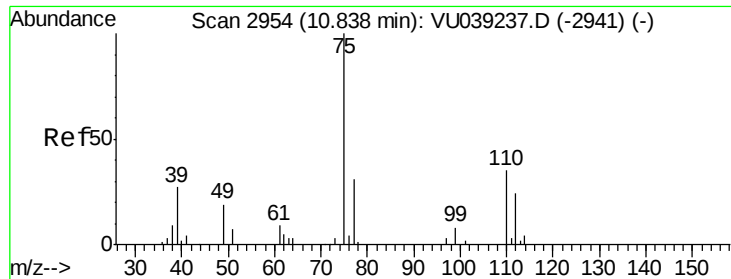


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.866 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

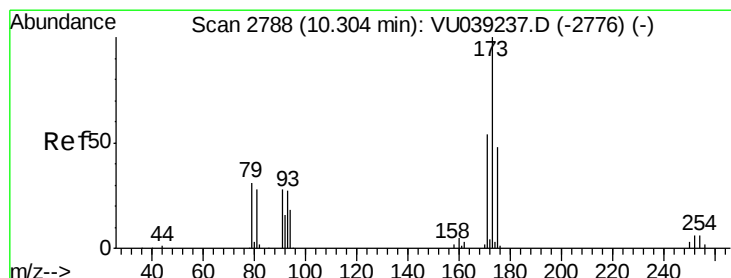
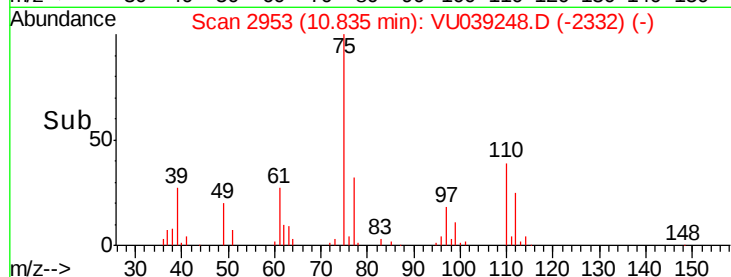
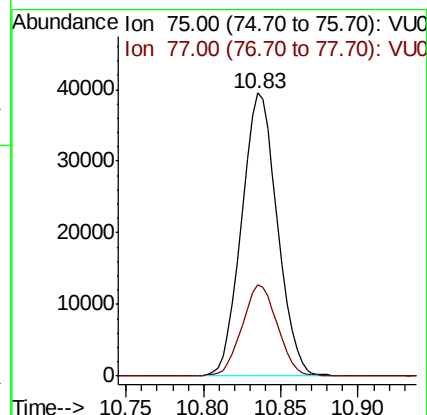
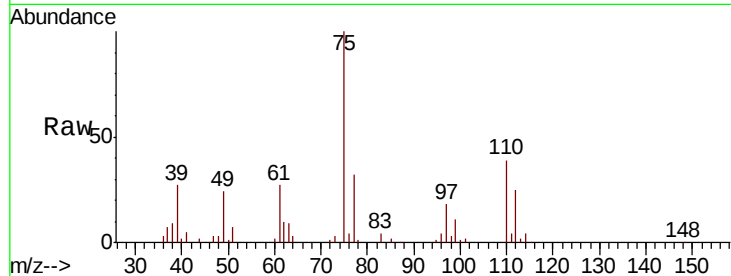
ClientSampleId :

Tot Ion: 75 Resp: 63455

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8



#61

Bromoform

Concen: 5.034 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

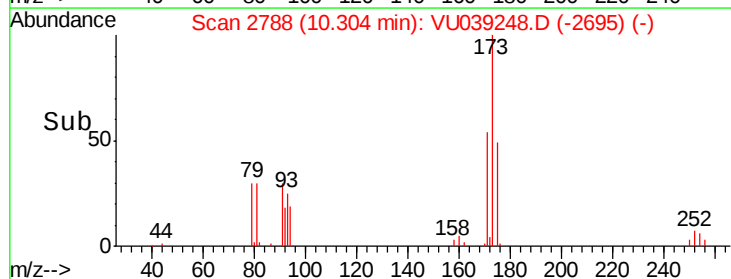
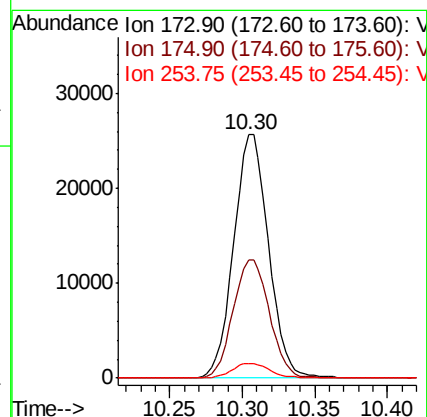
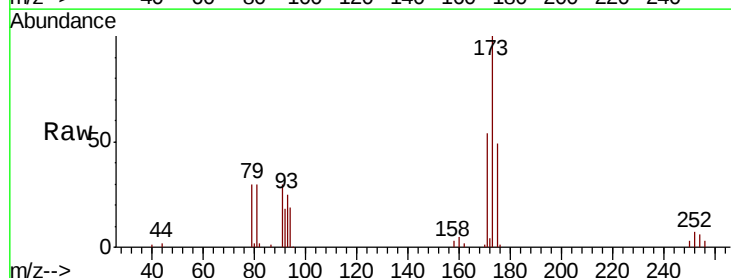
Tgt Ion: 173 Resp: 42776

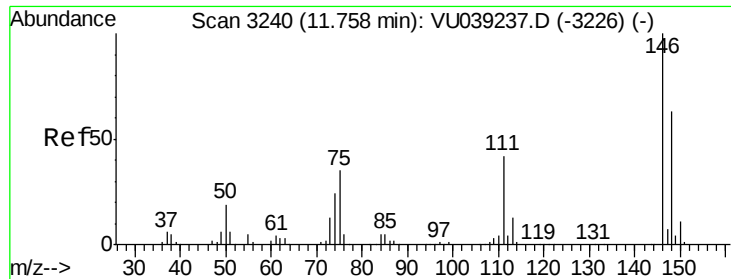
Ion Ratio Lower Upper

173 100

175 50.5 38.6 58.0

254 6.3 5.0 7.6

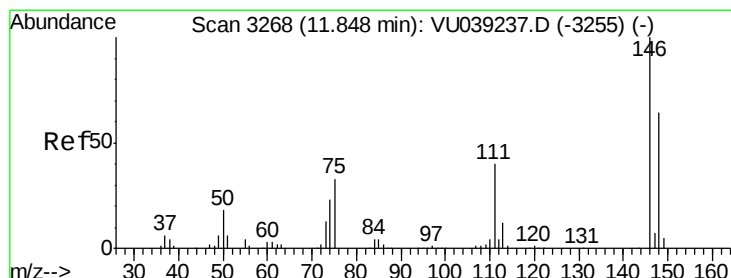
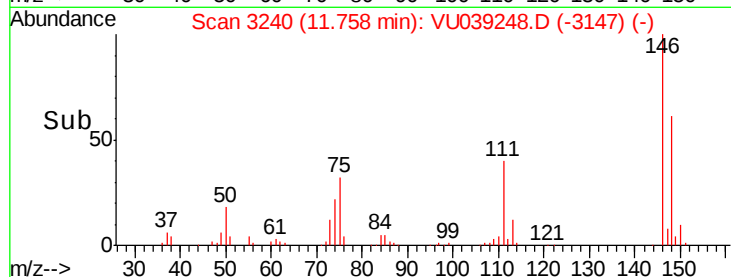
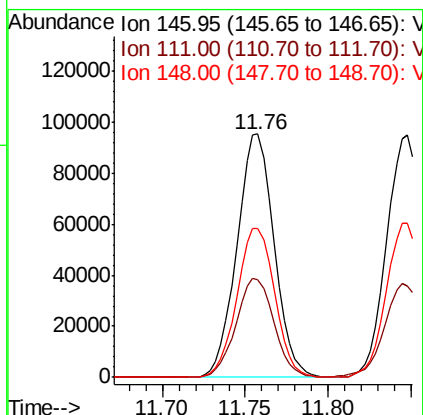
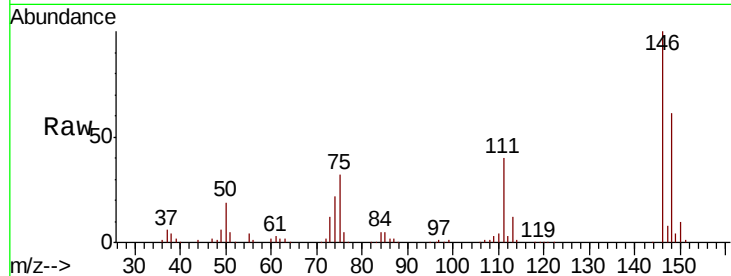




#62
 1,3-Dichlorobenzene
 Concen: 4.551 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

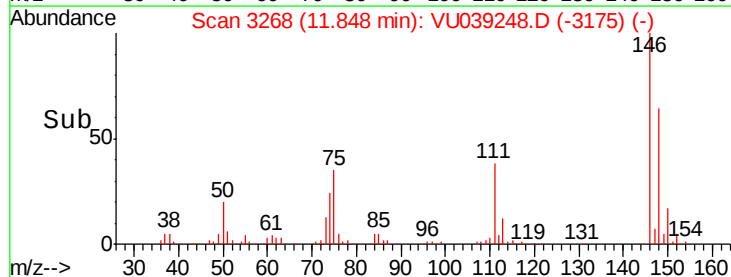
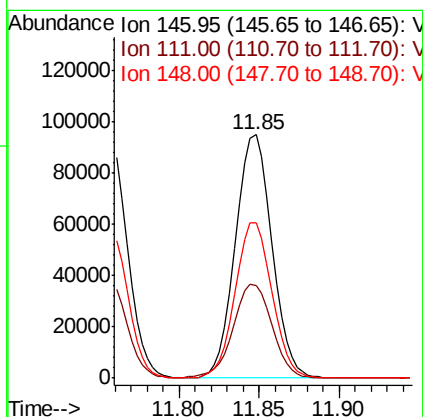
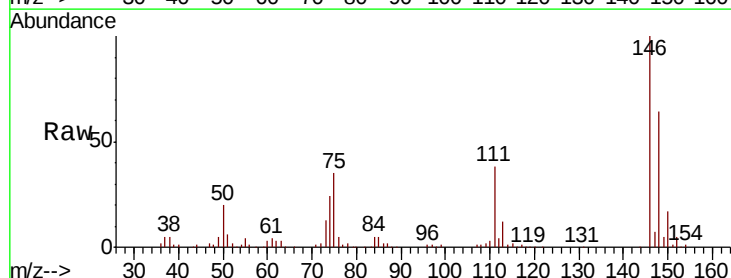
Instrument :
 MSVOA_U
 ClientSampleId :

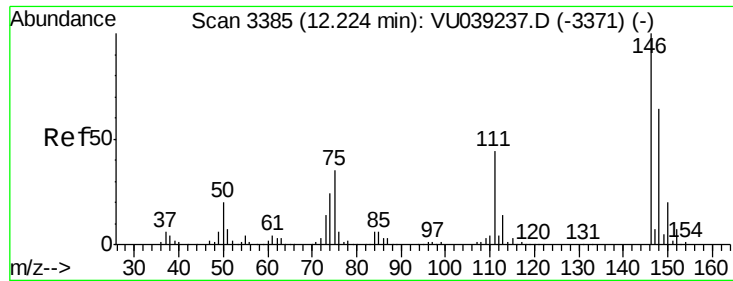
Tot Ion:146 Resp: 149191
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.6 55.0
 148 61.3 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 4.377 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion:146 Resp: 147768
 Ion Ratio Lower Upper
 146 100
 111 37.9 28.3 52.5
 148 63.8 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 4.512 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

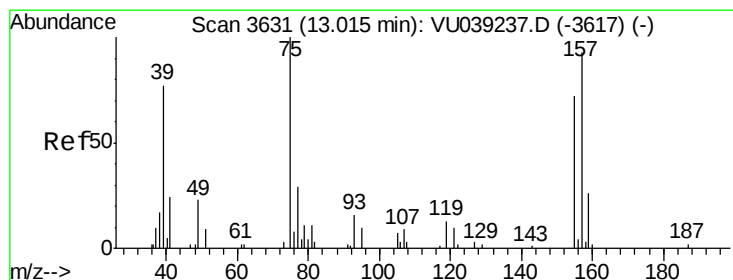
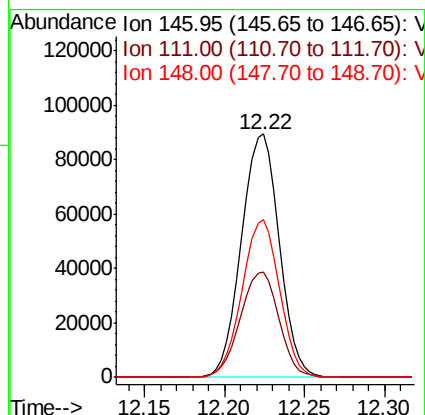
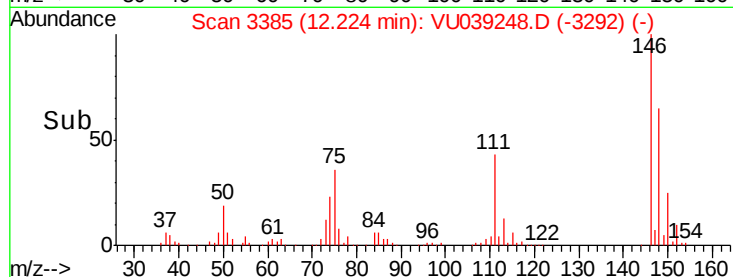
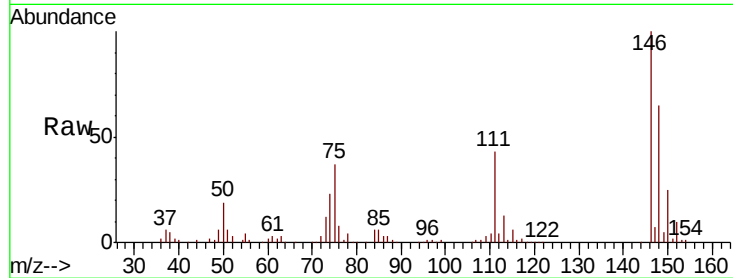
Tot Ion:146 Resp: 144157

Ion Ratio Lower Upper

146 100

111 43.1 35.1 52.7

148 64.6 51.4 77.2



#66

1,2-Dibromo-3-chloropropane

Concen: 4.906 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

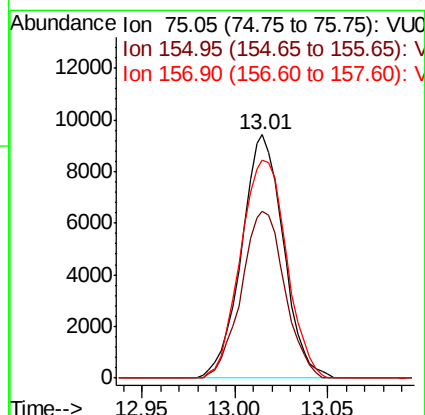
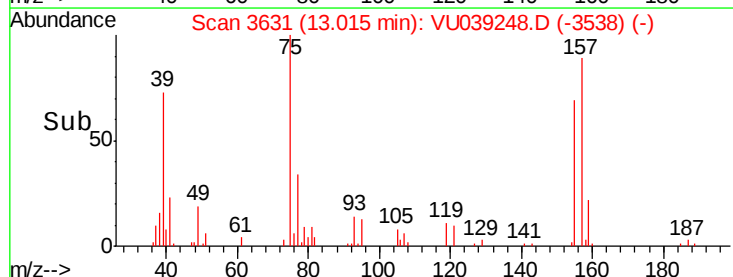
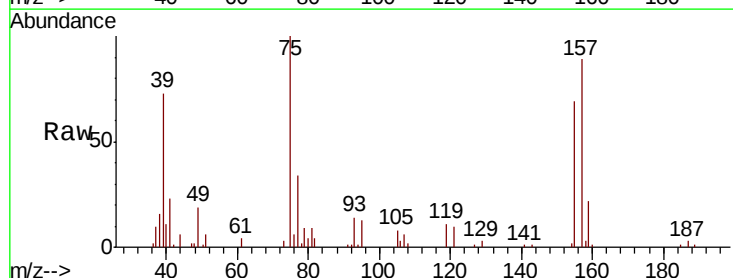
Tgt Ion: 75 Resp: 14810

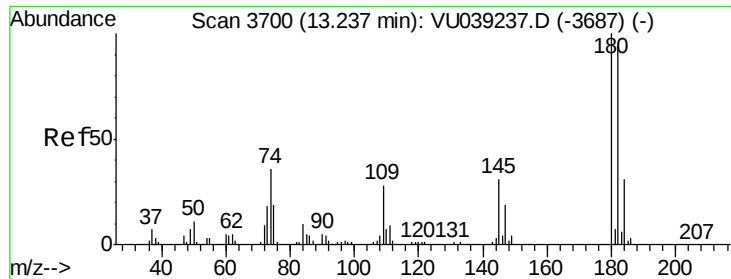
Ion Ratio Lower Upper

75 100

155 68.6 57.9 86.9

157 89.3 74.2 111.2

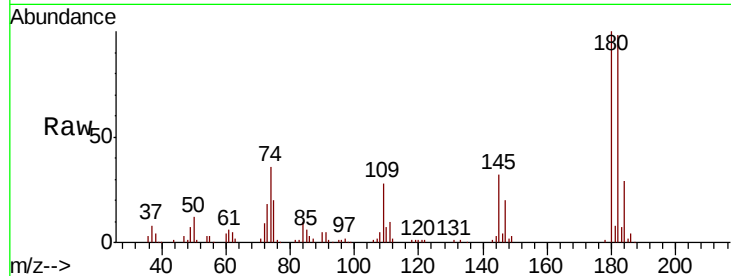




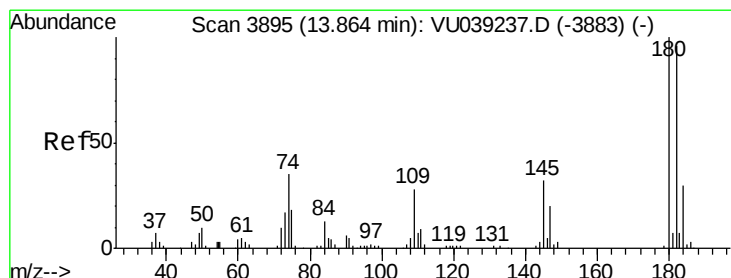
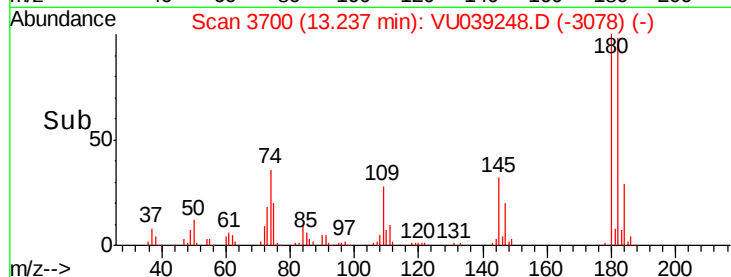
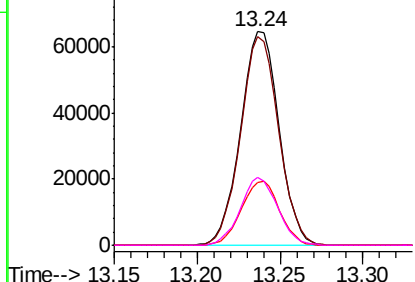
#67
 1,3,5-Trichlorobenzene
 Concen: 4.496 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 103872
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.5 113.3
 184 29.7 24.6 37.0
 145 30.7 24.2 36.2

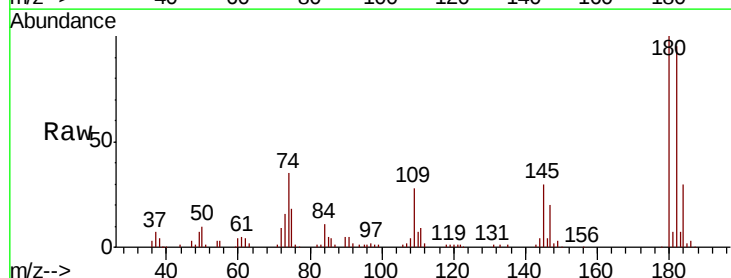


Abundance Ion 180.00 (179.70 to 180.70): V
 100000 Ion 182.00 (181.70 to 182.70): V
 80000 Ion 184.00 (183.70 to 184.70): V
 60000 Ion 145.00 (144.70 to 145.70): V
 40000
 20000
 0

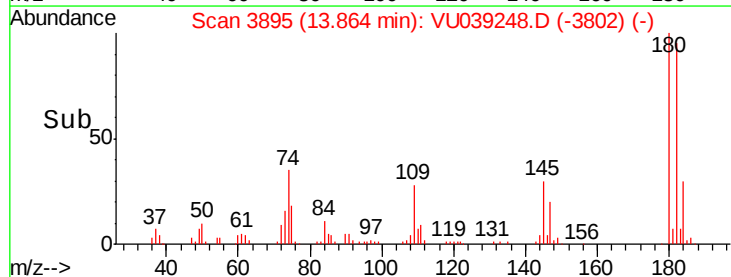
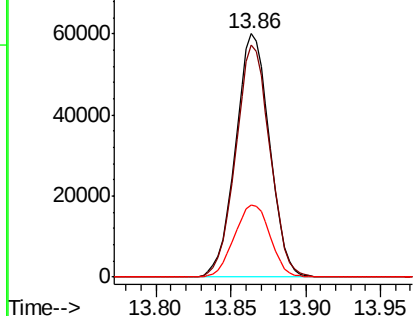


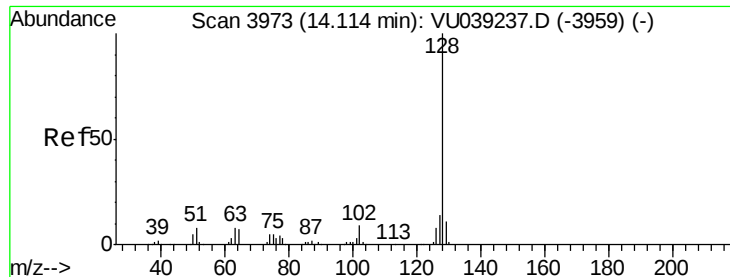
#68
 1,2,4-trichlorobenzene
 Concen: 4.691 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039248.D
 Acq: 30 Jun 2020 22:24

Tgt Ion:180 Resp: 95032
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.3 117.5
 145 31.2 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 80000 Ion 182.00 (181.70 to 182.70): V
 60000 Ion 144.95 (144.65 to 145.65): V
 40000
 20000
 0





#69

Naphthalene

Concen: 4.784 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

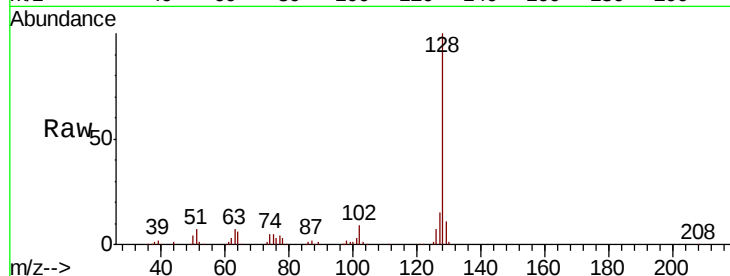
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:128 Resp: 187041

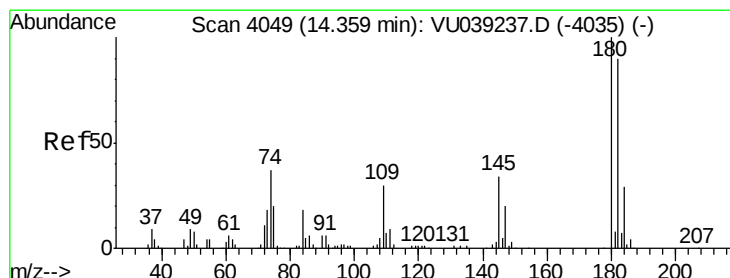
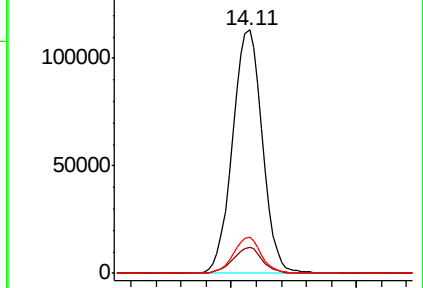
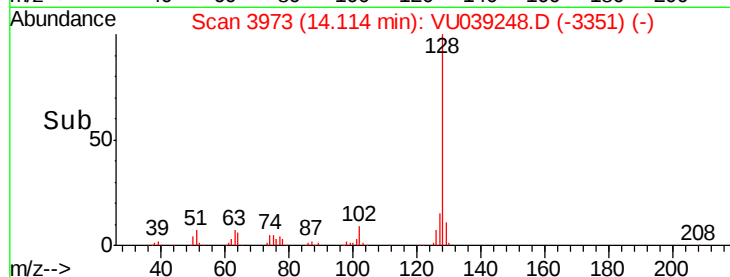
Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	13.8	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.702 ug/L

RT: 14.36 min Scan# 4049

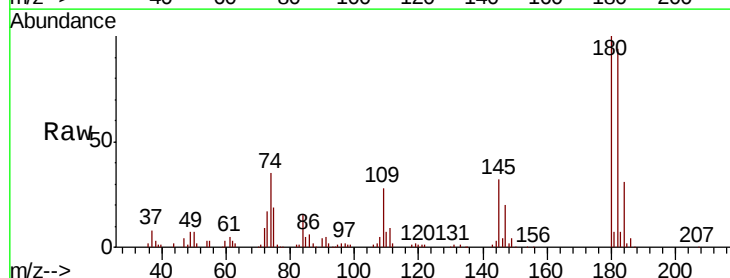
Delta R.T. 0.00 min

Lab File: VU039248.D

Acq: 30 Jun 2020 22:24

Tgt Ion:180 Resp: 91848

Ion	Ratio	Lower	Upper
180	100		
182	95.2	73.6	110.4
145	32.3	28.0	42.0



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

