

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039594.D
 Acq On : 21 Jul 2020 13:40
 Operator : SY/MD
 Sample : L3347-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:05:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121258	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115402	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26118	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.92	69	28768	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	52879	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.66	46	127706	50.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.60%
24) Chloroform-d	5.08	84	70680	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.72	65	44732	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.74	84	129178	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	43312	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.91	98	118902	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	18398	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.64	63	95982	49.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.88%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	37494	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47324	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	30142	5.082	ug/L 99
5) Vinyl chloride	1.61	62	35453	5.131	ug/L 100
8) Chloroethane	1.94	64	102250	17.902	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	79496	12.619	ug/L 96
12) 1,1-Dichloroethene	2.59	96	15299	2.668	ug/L # 59
13) Acetone	2.66	43	247628	175.272	ug/L 99
15) Methyl Acetate	2.97	43	40867	11.841	ug/L 94
16) Methylene chloride	3.06	84	2517	0.304	ug/L 85
18) trans-1,2-Dichloroethene	3.37	96	21674	3.404	ug/L 93
19) 1,1-Dichloroethane	3.89	63	32196	2.466	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	36308	4.895	ug/L 92
23) Bromochloromethane	4.99	128	19689	5.716	ug/L 91
25) Chloroform	5.11	83	131530	8.834	ug/L 99
27) 1,2-Dichloroethane	5.81	62	23862	2.357	ug/L 99
29) 1,1,1-Trichloroethane	5.34	97	29458	2.416	ug/L 98
31) Carbon tetrachloride	5.54	117	36504	3.499	ug/L 98
34) Trichloroethene	6.56	95	19916	2.608	ug/L 89

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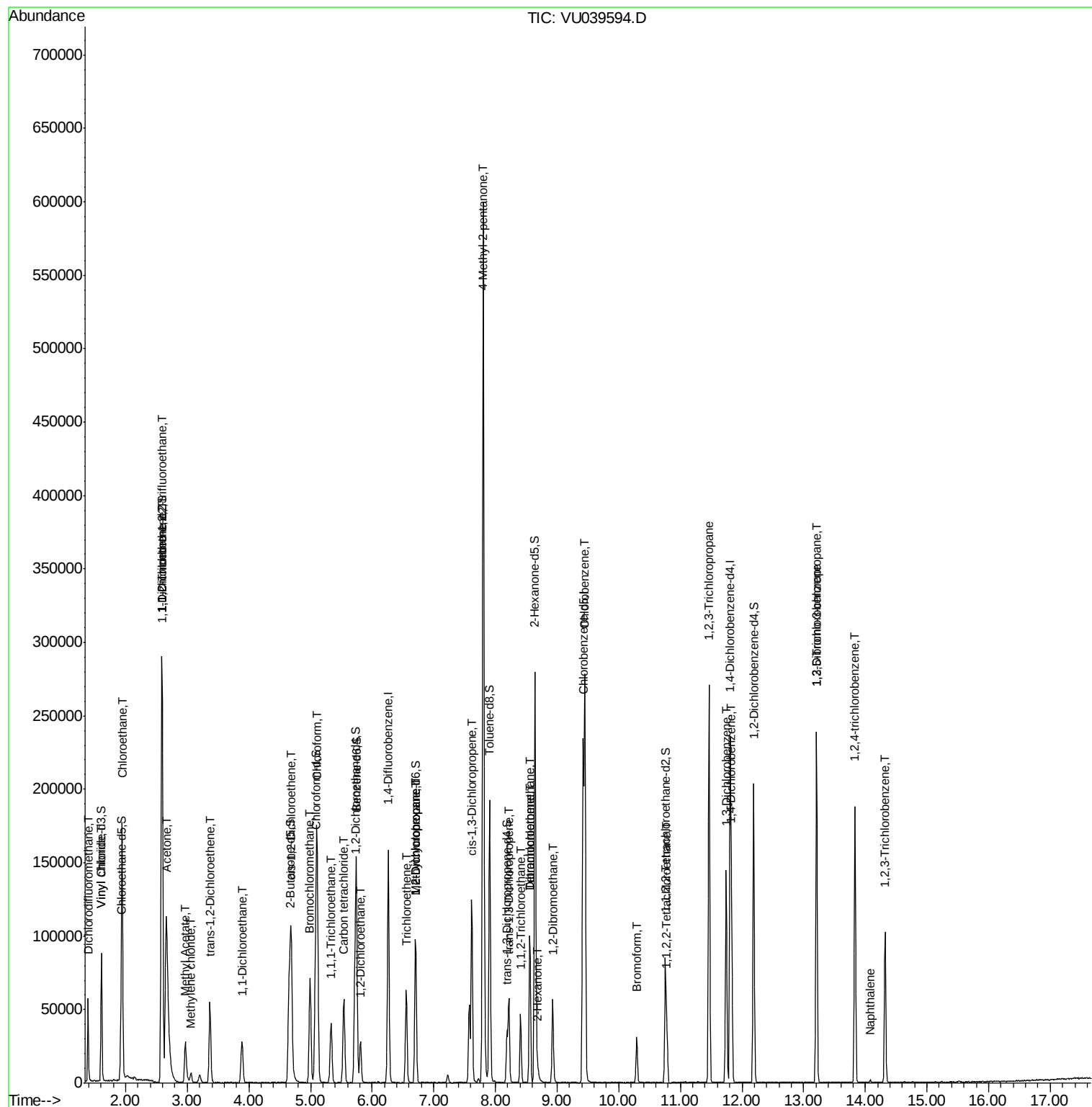
35) Methylcyclohexane	6.71	83	9550	0.851	uq/L #	32
37) 1,2-Dichloropropane	6.70	63	5097	0.660	uq/L #	90
39) cis-1,3-Dichloropropene	7.62	75	64598	5.827	uq/L	98
40) 4-Methyl-2-pentanone	7.80	43	407917	67.709	uq/L	100
44) trans-1,3-Dichloropropene	8.22	75	28959	2.860	uq/L	97
45) 1,1,2-Trichloroethane	8.41	97	13450	2.295	uq/L	96
47) Tetrachloroethene	8.56	164	19465	3.726	uq/L	97
48) 2-Hexanone	8.70	43	4193	0.940	uq/L #	92
49) Dibromochloromethane	8.56	129	18927	2.657	uq/L #	11
50) 1,2-Dibromoethane	8.93	107	33257	5.793	uq/L #	100
51) Chlorobenzene	9.45	112	132322	6.811	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	14385	1.899	uq/L	97
59) 1,2,3-Trichloropropane	11.47	75	1676	0.296	uq/L #	1
61) Bromoform	10.29	173	12129	3.148	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	52695	3.564	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	34775	2.336	uq/L	96
66) 1,2-Dibromo-3-chloropropan	13.21	75	14139	12.950	uq/L #	12
67) 1,3,5-Trichlorobenzene	13.21	180	63234	5.943	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	50841	5.818	uq/L	95
69) Naphthalene	14.08	128	1717	0.116	uq/L #	78
70) 1,2,3-Trichlorobenzene	14.32	180	27660	3.563	uq/L	97

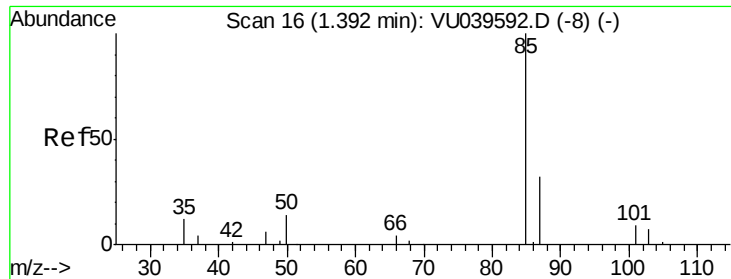
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.082 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

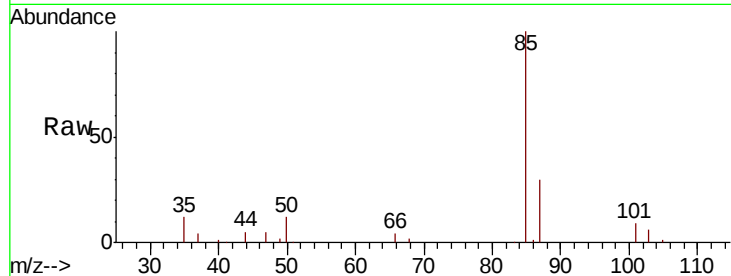
ClientSampleId :

Tot Ion: 85 Resp: 30142

Ion Ratio Lower Upper

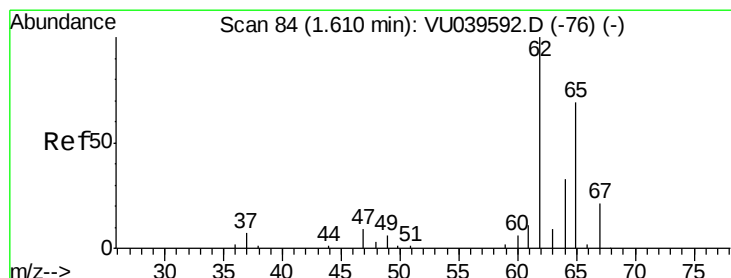
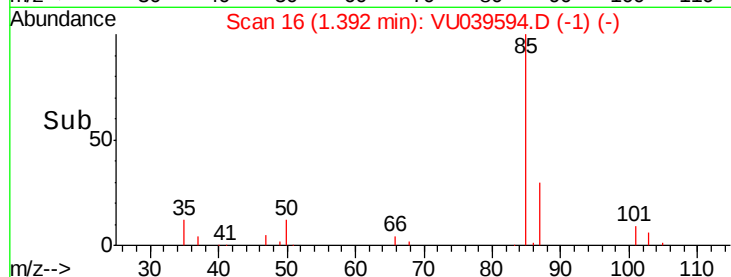
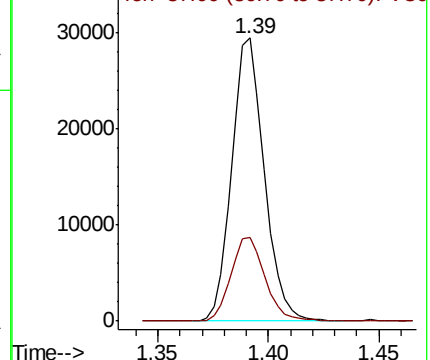
85 100

87 30.9 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU039592.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039592.D (-8) (-)



#5

Vinyl chloride

Concen: 5.131 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039594.D

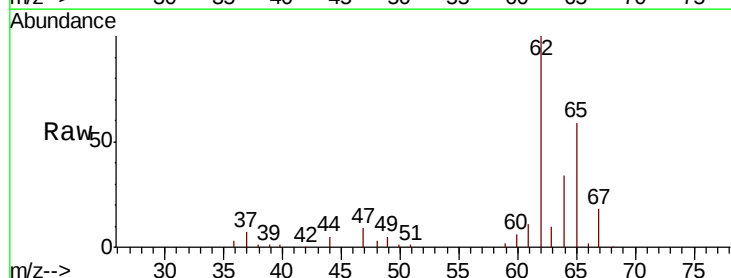
Acq: 21 Jul 2020 13:40

Tgt Ion: 62 Resp: 35453

Ion Ratio Lower Upper

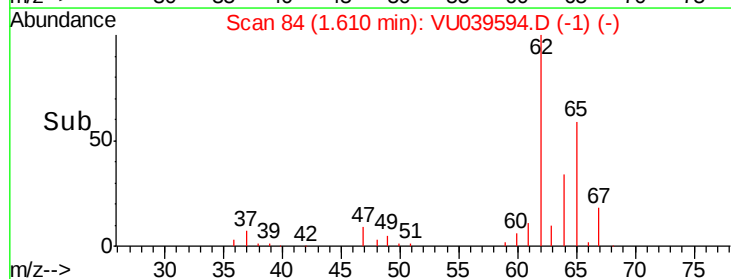
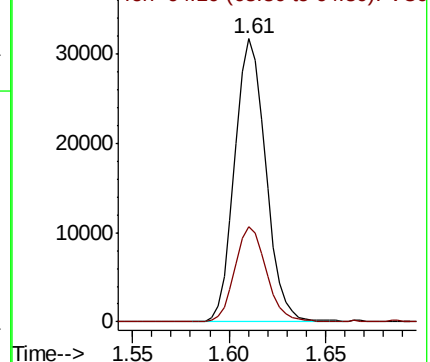
62 100

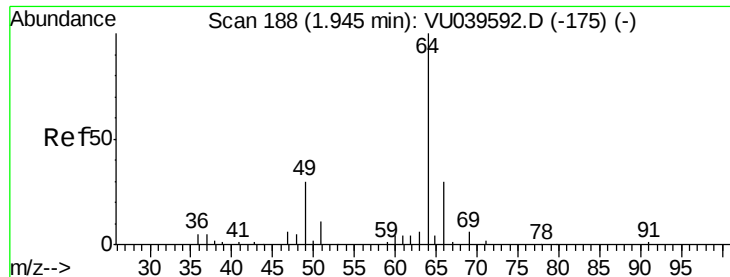
64 33.6 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU039592.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039592.D (-76) (-)





#8

Chloroethane

Concen: 17.902 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

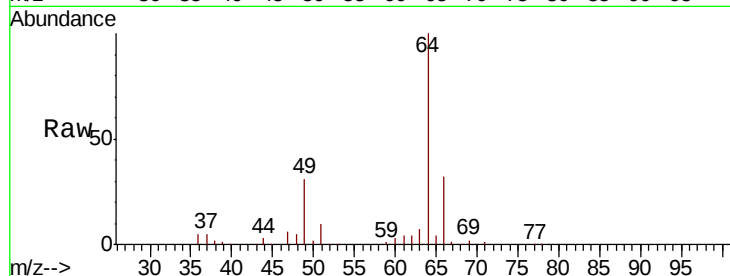
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 102250

Ion Ratio Lower Upper

64 100

66 32.1 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VU039594.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU039594.D (-175) (-)

1.94

80000

60000

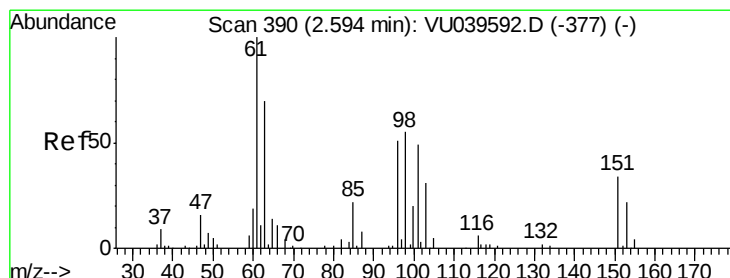
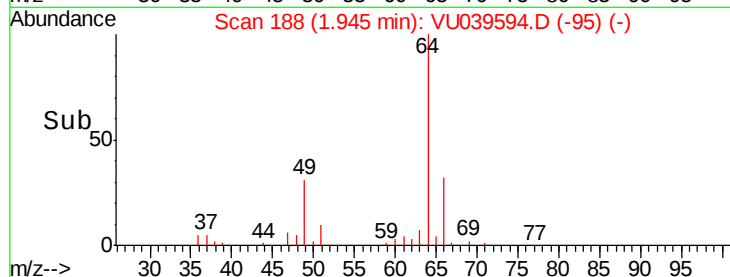
40000

20000

0

Time-->

1.85 1.90 1.95 2.00



#10

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

Concen: 12.619 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

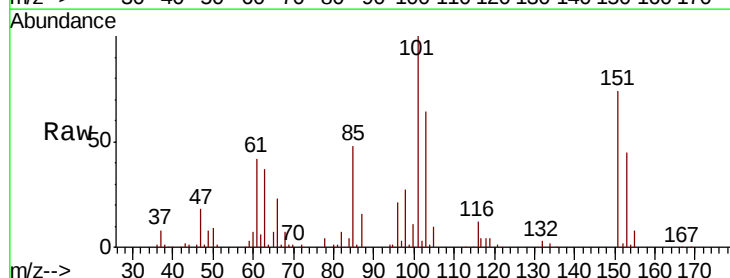
Tgt Ion:101 Resp: 79496

Ion Ratio Lower Upper

101 100

85 49.8 38.7 58.1

151 70.9 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VU039594.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039594.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039594.D (-377) (-)

2.59

50000

40000

30000

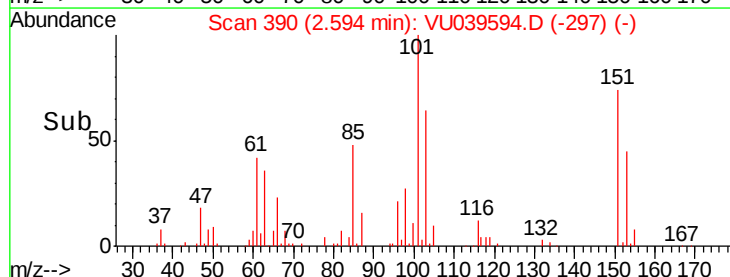
20000

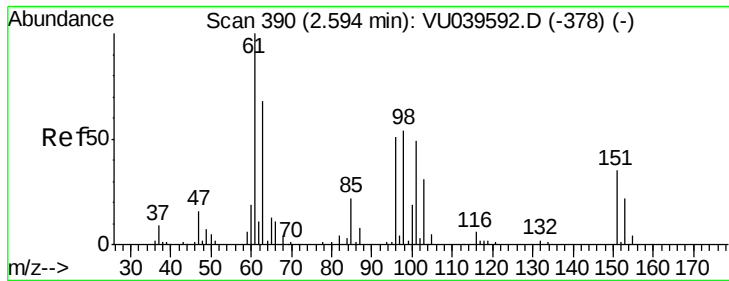
10000

0

Time-->

2.50 2.55 2.60 2.65 2.70





#12

1,1-Dichloroethene

Concen: 2.668 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

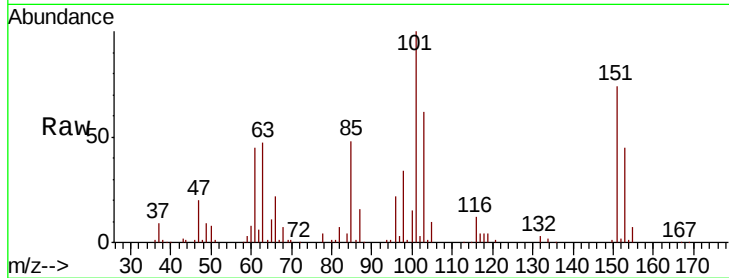
Tot Ion: 96 Resp: 15299

Ion Ratio Lower Upper

96 100

61 209.0 129.1 239.7

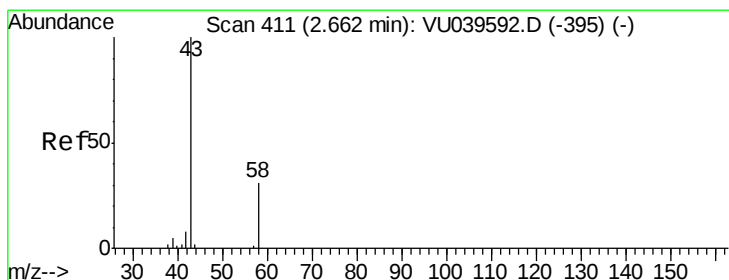
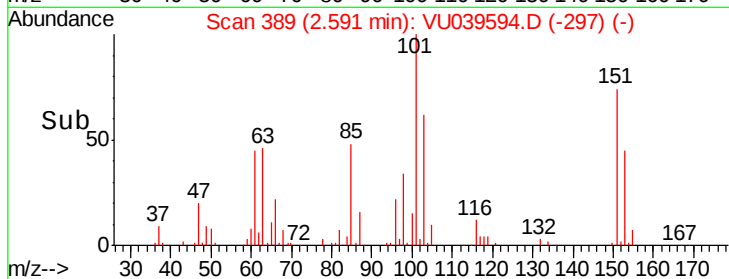
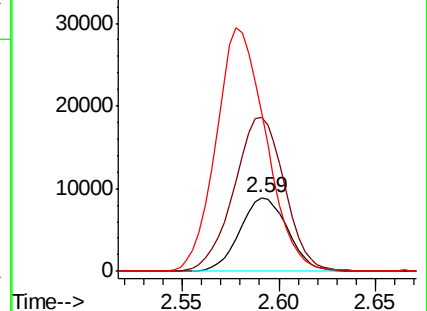
63 214.6 89.7 166.7#



Abundance Ion 96.00 (95.70 to 96.70): VU039592.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU039592.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU039592.D (-378) (-)



#13

Acetone

Concen: 175.272 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039594.D

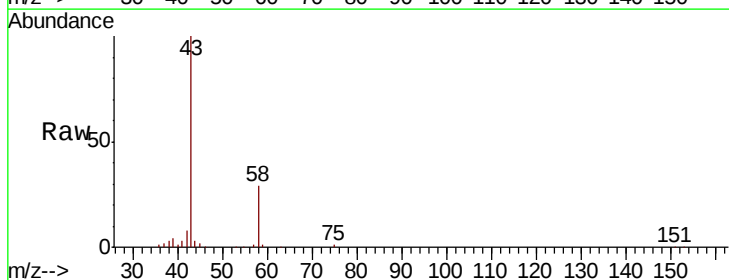
Acq: 21 Jul 2020 13:40

Tgt Ion: 43 Resp: 247628

Ion Ratio Lower Upper

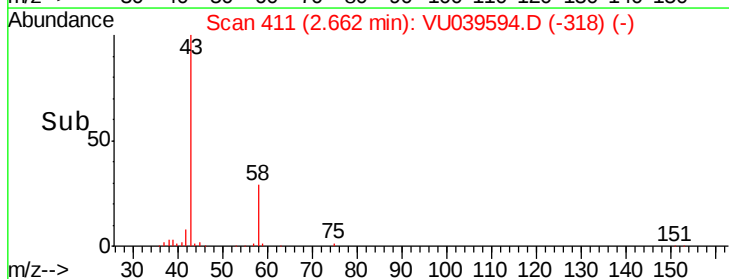
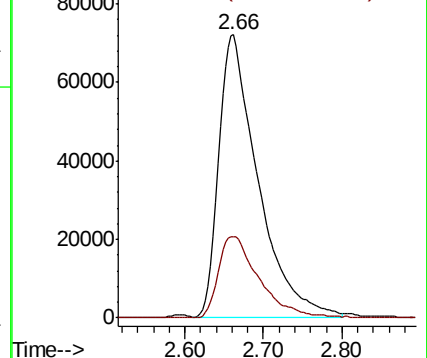
43 100

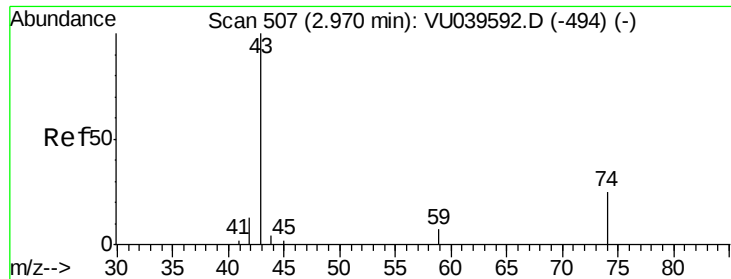
58 30.0 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)

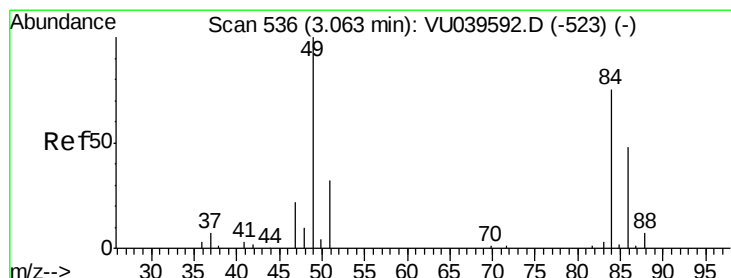
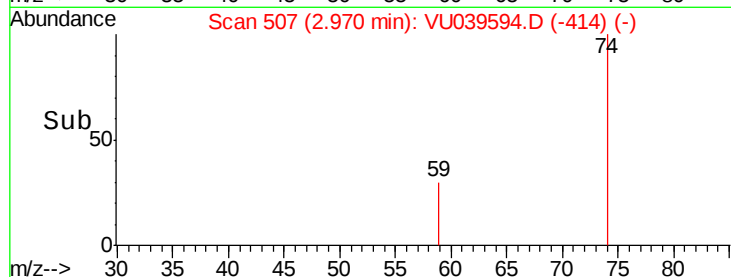
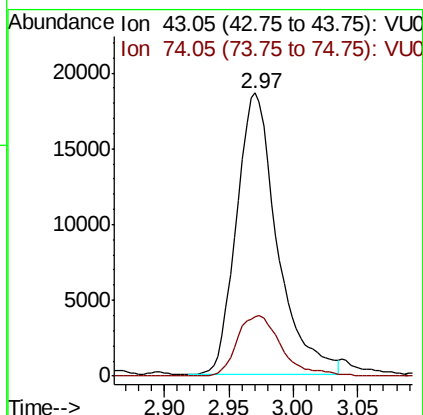
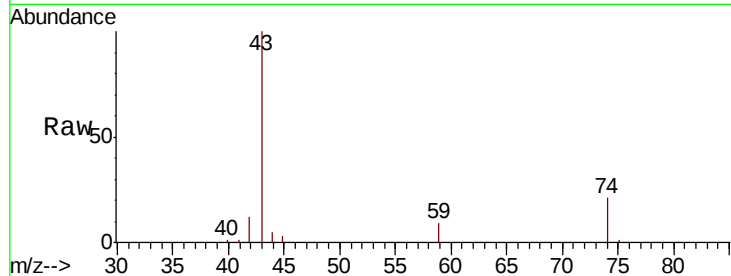




#15
Methvl Acetate
Concen: 11.841 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

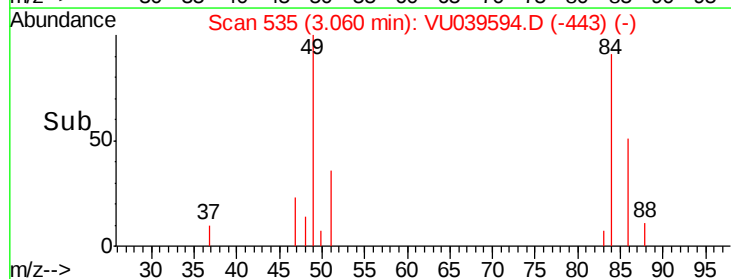
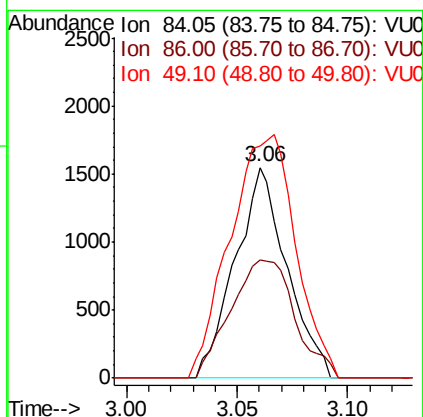
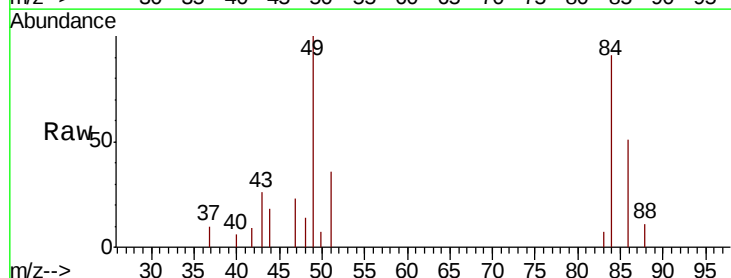
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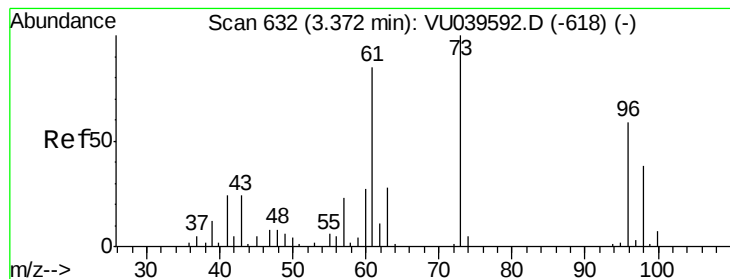
Tot Ion: 43 Resp: 40867
Ion Ratio Lower Upper
43 100
74 23.5 16.6 24.8



#16
Methylene chloride
Concen: 0.304 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

Tgt Ion: 84 Resp: 2517
Ion Ratio Lower Upper
84 100
86 56.1 43.8 81.4
49 110.3 92.7 172.3





#18

trans-1,2-Dichloroethene

Concen: 3.404 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

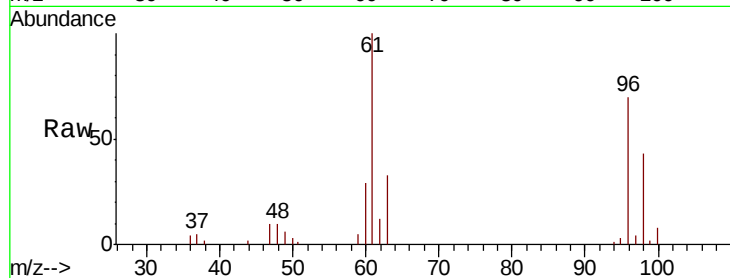
Tot Ion: 96 Resp: 21674

Ion Ratio Lower Upper

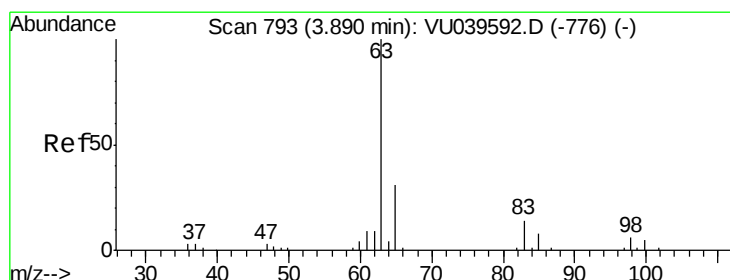
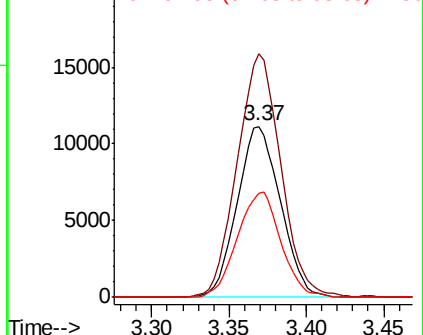
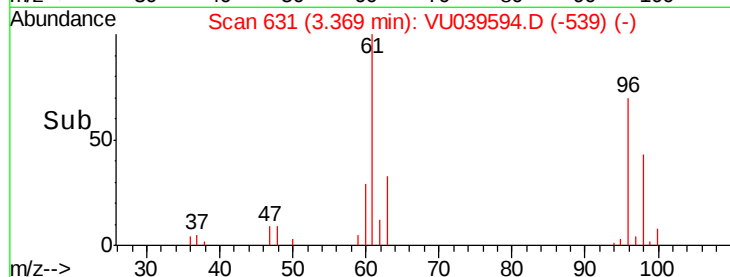
96 100

61 142.4 106.5 197.9

98 60.7 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU039594.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 2.466 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

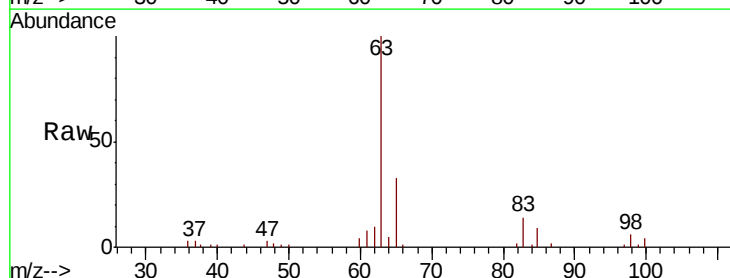
Tgt Ion: 63 Resp: 32196

Ion Ratio Lower Upper

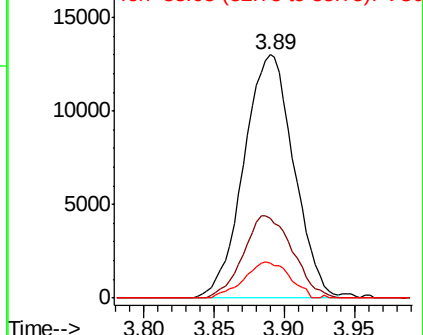
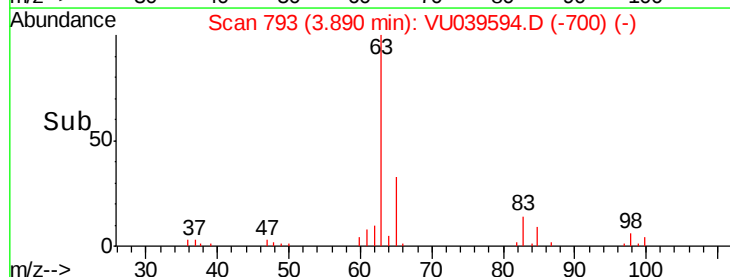
63 100

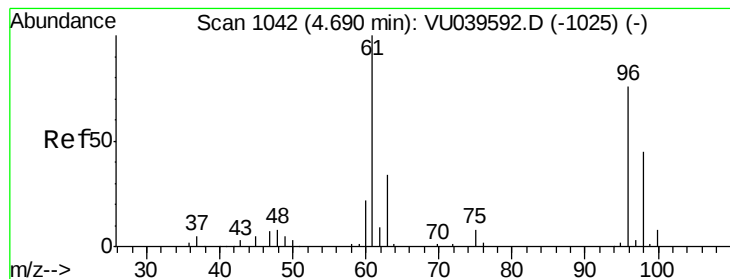
65 32.5 21.8 40.4

83 14.3 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039594.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.895 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

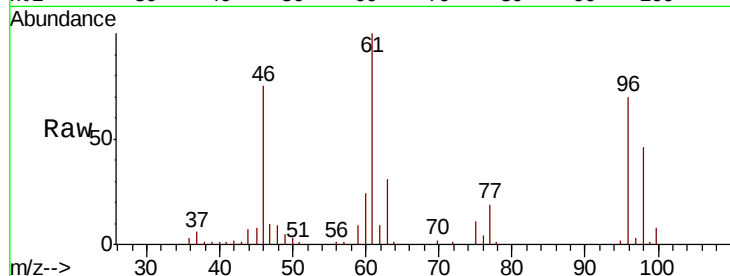
Tot Ion: 96 Resp: 36308

Ion Ratio Lower Upper

96 100

61 142.0 93.0 172.8

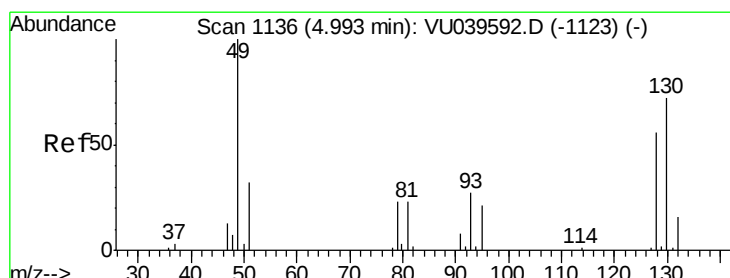
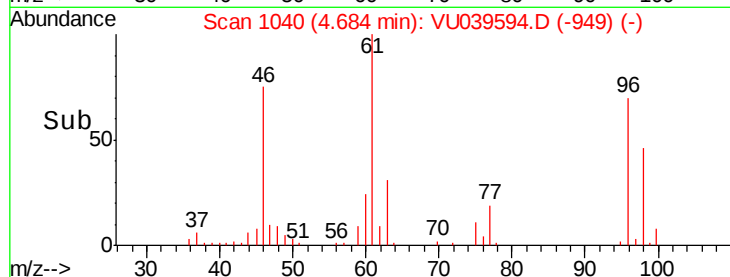
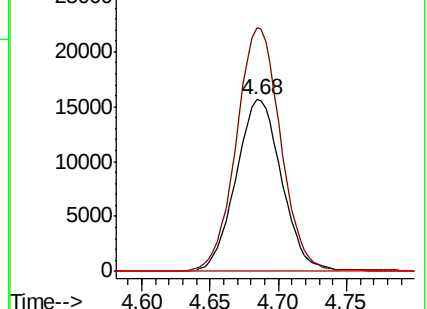
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039594.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU039594.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU039594.D (-1040) (-)



#23

Bromochloromethane

Concen: 5.716 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Tgt Ion:128 Resp: 19689

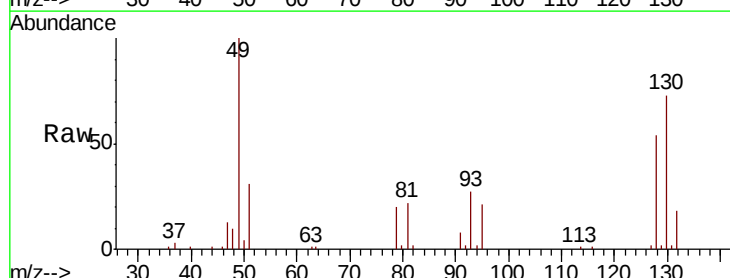
Ion Ratio Lower Upper

128 100

49 185.7 123.1 228.7

130 136.3 83.2 154.4

51 57.6 46.2 69.2

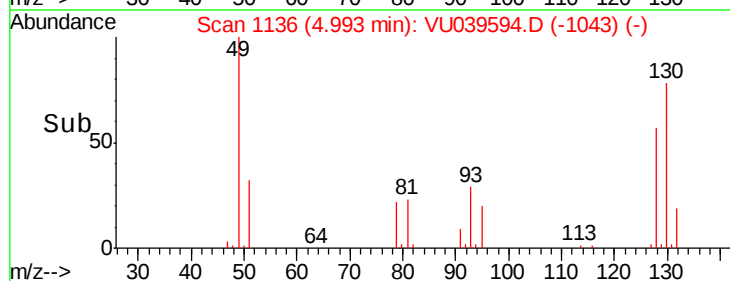
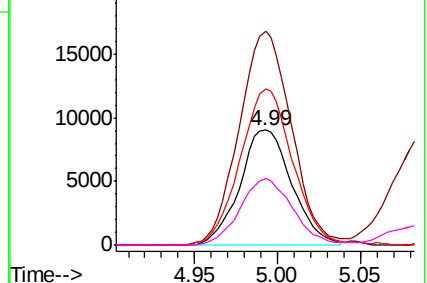


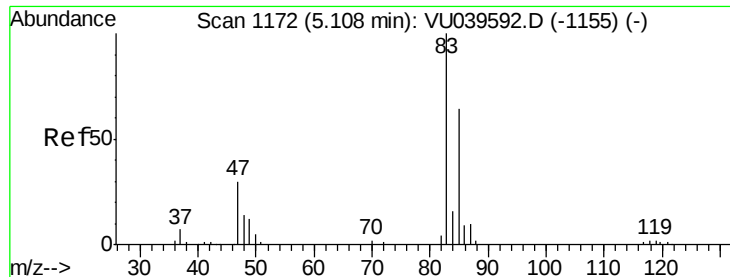
Abundance Ion 127.90 (127.60 to 128.60): VU039594.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039594.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039594.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039594.D (-1043) (-)

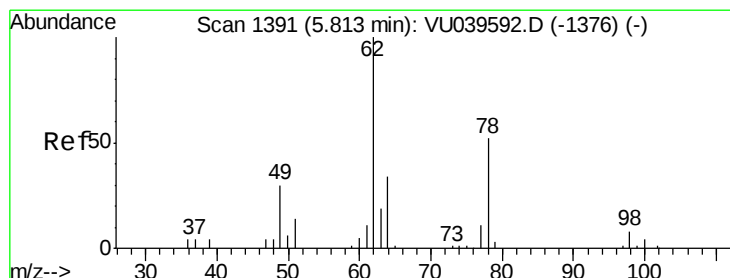
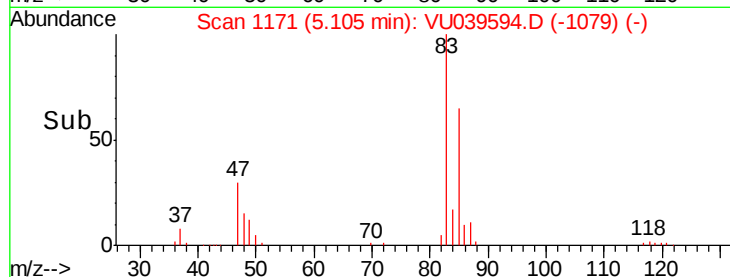
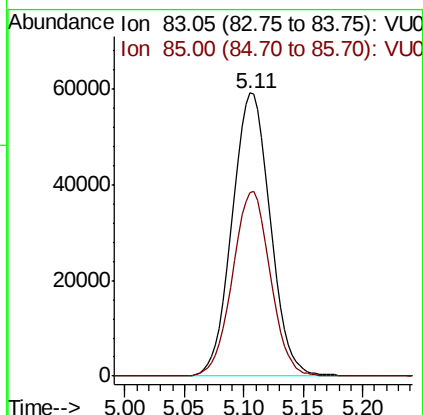
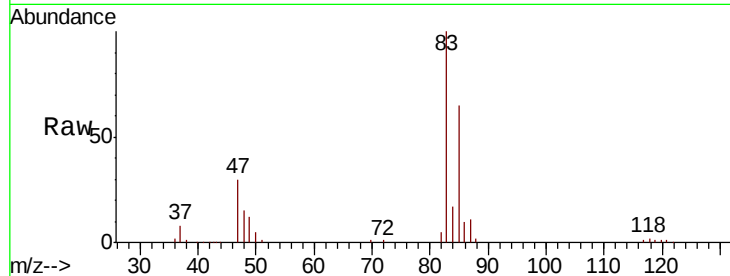




#25
Chloroform
Concen: 8.834 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

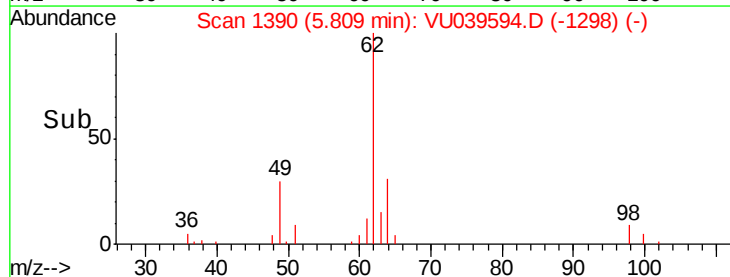
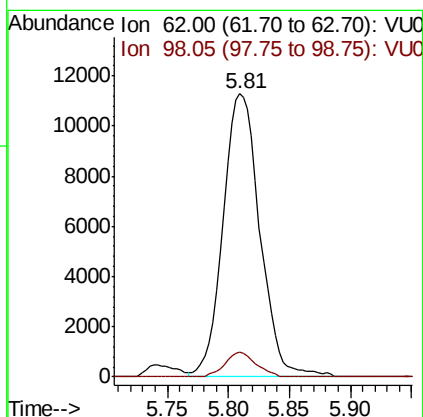
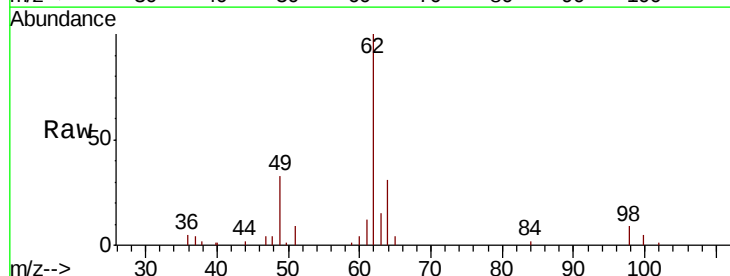
Instrument :
MSVOA_U
ClientSampleId :

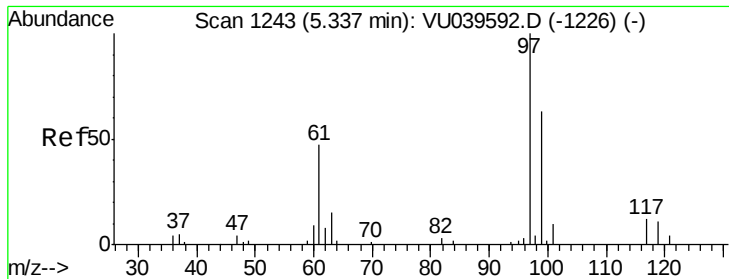
Tot Ion: 83 Resp: 131530
Ion Ratio Lower Upper
83 100
85 64.6 44.4 82.5



#27
1,2-Dichloroethane
Concen: 2.357 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

Tgt Ion: 62 Resp: 23862
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1

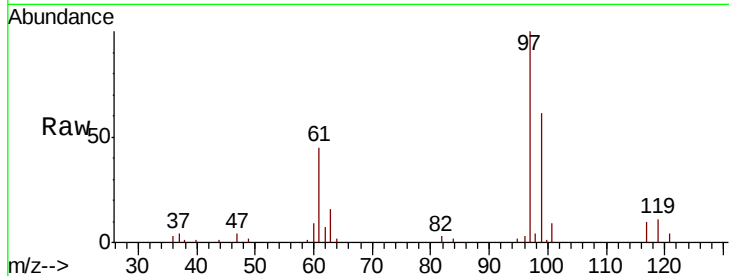




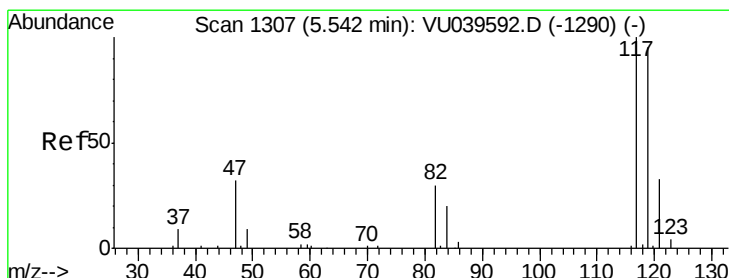
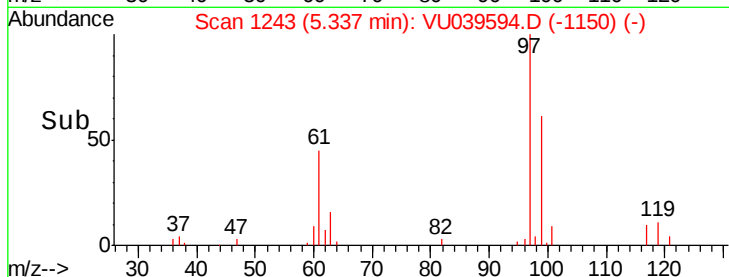
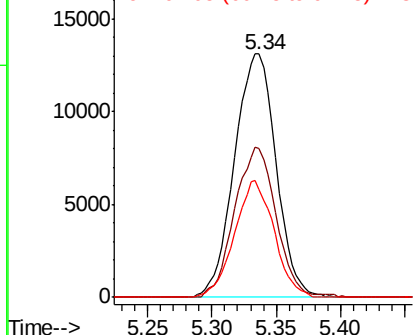
#29
 1,1,1-Trichloroethane
 Concen: 2.416 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 29458
 Ion Ratio Lower Upper
 97 100
 99 61.6 49.5 74.3
 61 45.6 38.8 58.2

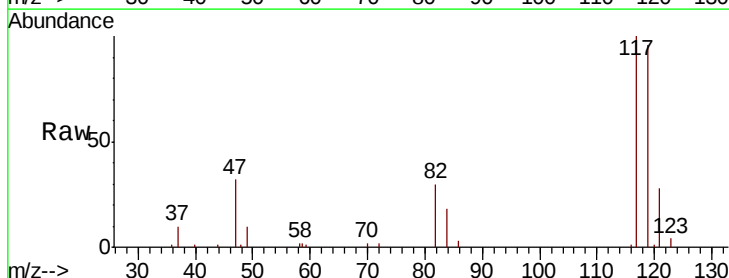


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

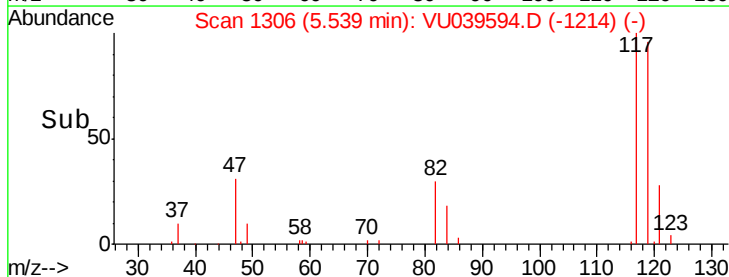
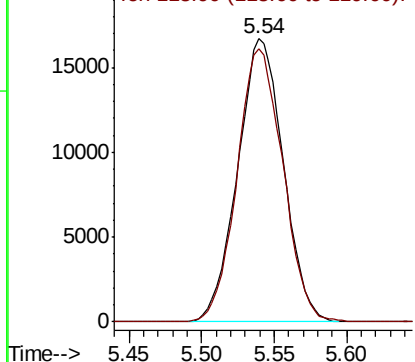


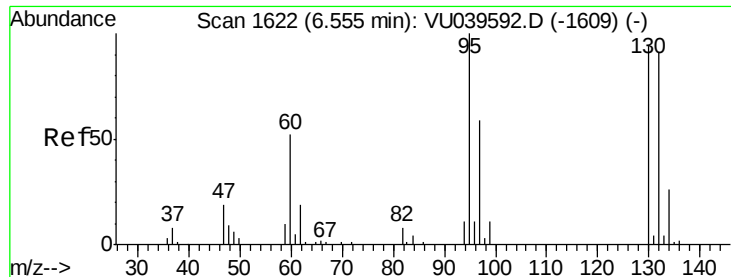
#31
 Carbon tetrachloride
 Concen: 3.499 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion: 117 Resp: 36504
 Ion Ratio Lower Upper
 117 100
 119 96.8 75.7 113.5



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

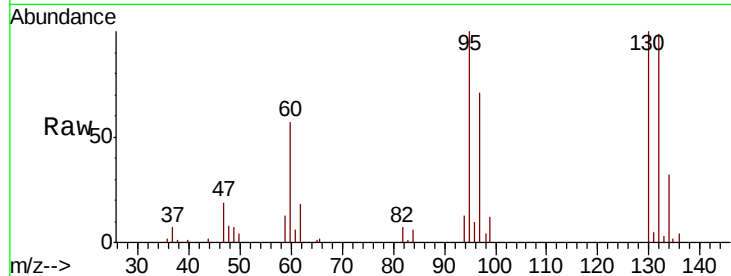




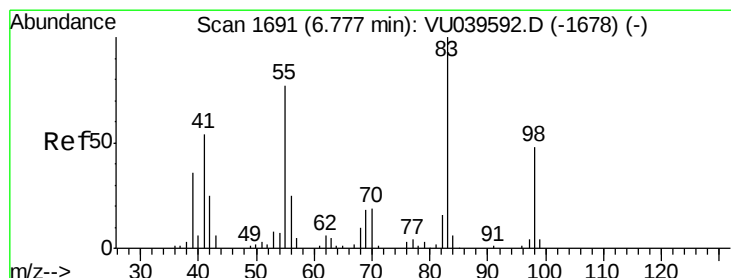
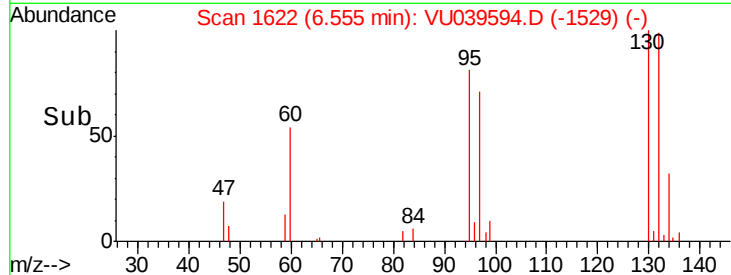
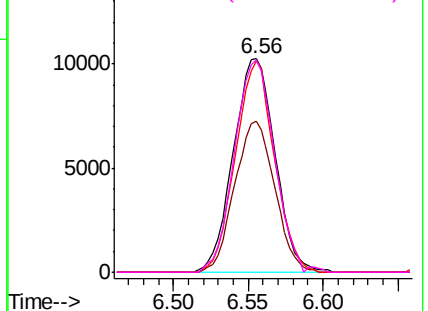
#34
 Trichloroethene
 Concen: 2.608 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 19916
 Ion Ratio Lower Upper
 95 100
 97 70.9 44.9 83.3
 132 99.1 62.8 116.6
 130 99.7 61.5 114.1

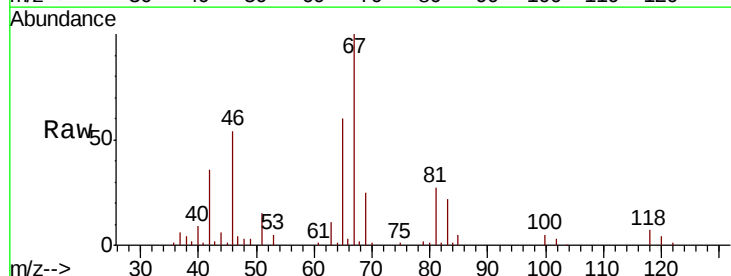


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

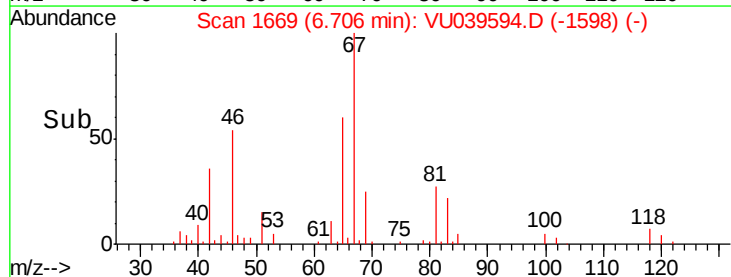
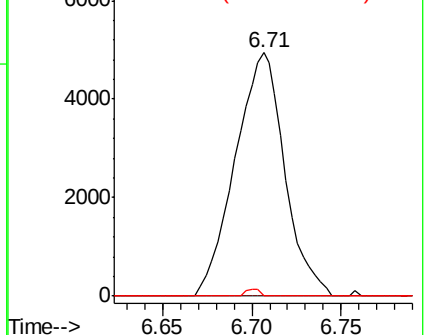


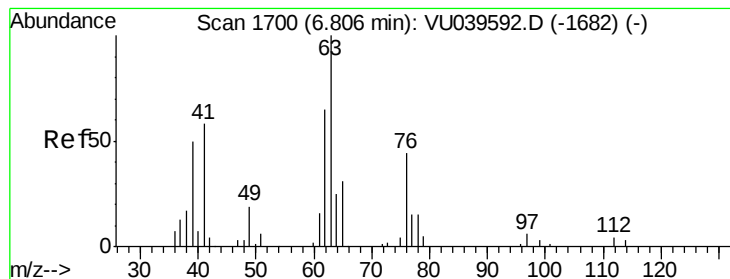
#35
 Methylcyclohexane
 Concen: 0.851 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion: 83 Resp: 9550
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.0 94.6#
 98 25.3 35.3 52.9#



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: 0.660 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.11 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

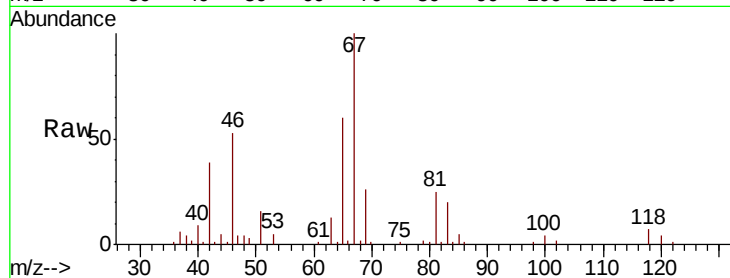
ClientSampleId :

Tot Ion: 63 Resp: 5097

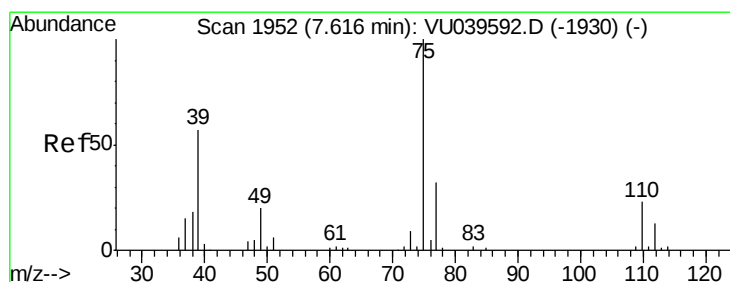
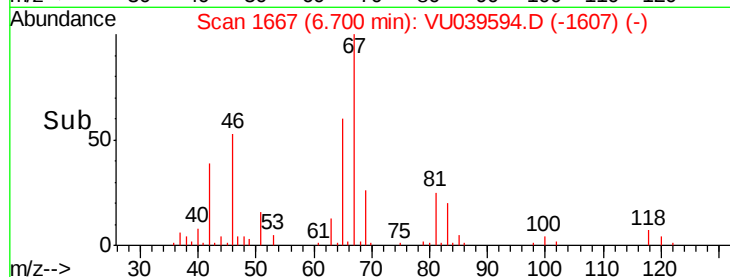
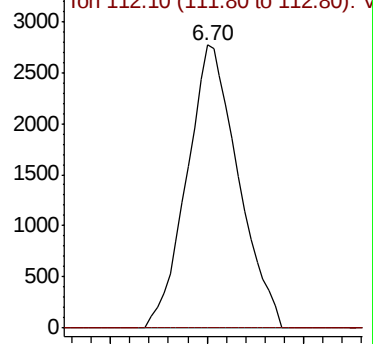
Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU039592.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 5.827 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU039594.D

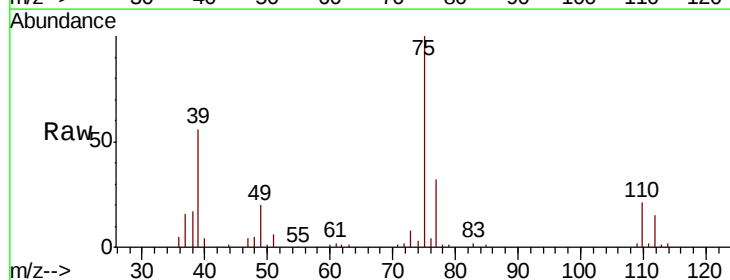
Acq: 21 Jul 2020 13:40

Tgt Ion: 75 Resp: 64598

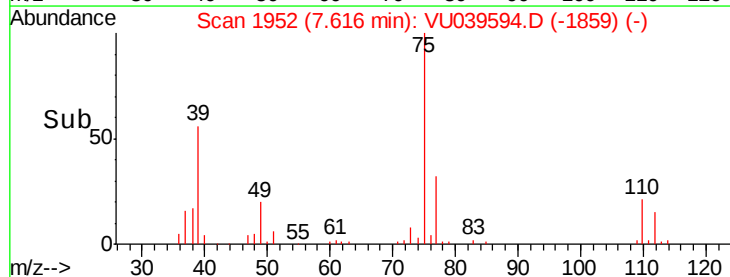
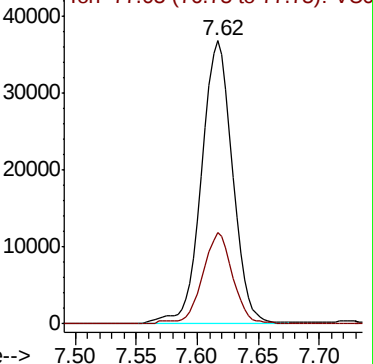
Ion Ratio Lower Upper

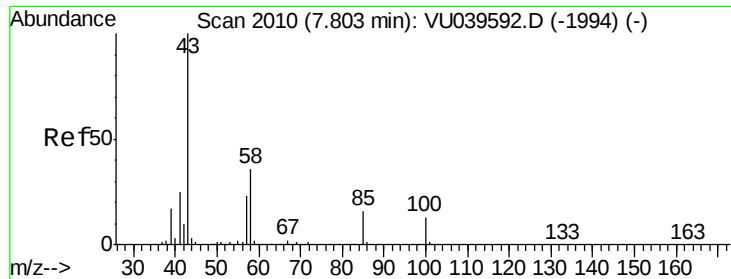
75 100

77 32.1 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VU039592.D (-1930) (-)

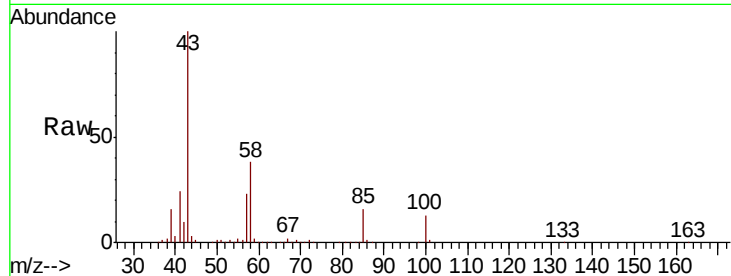




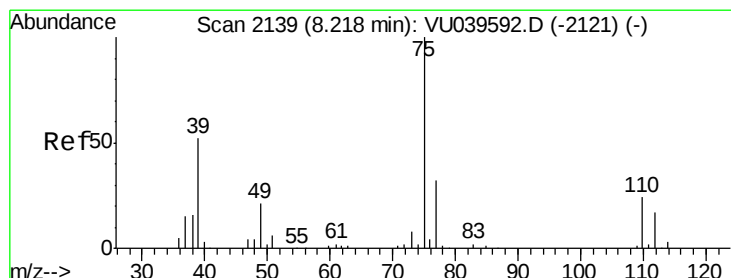
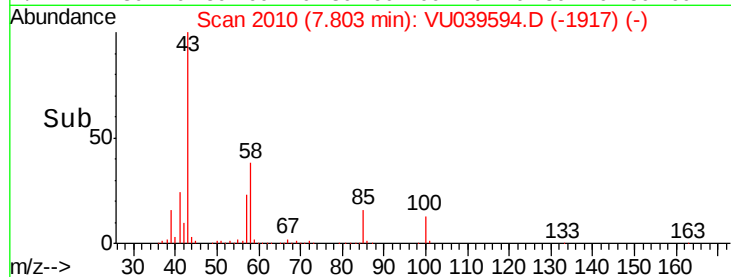
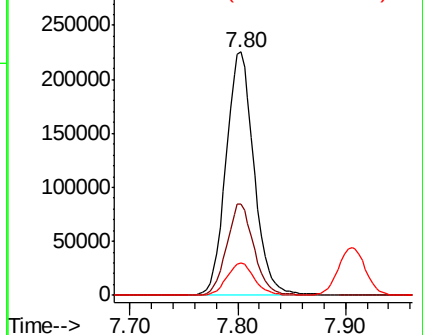
#40
 4-Methyl-2-pentanone
 Concen: 67.709 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 407917
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.2 43.8
 100 13.1 10.5 15.7

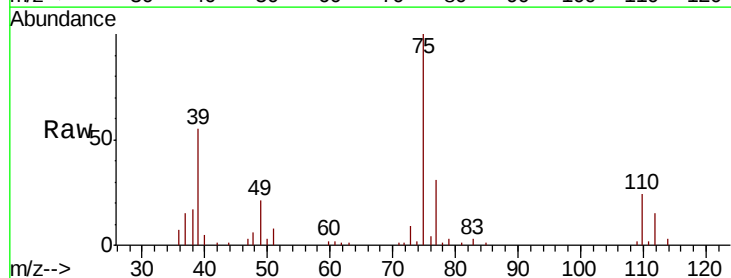


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

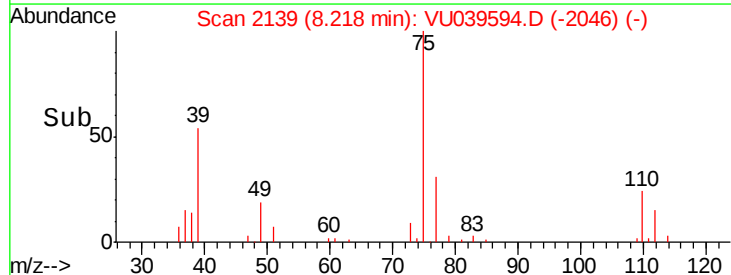
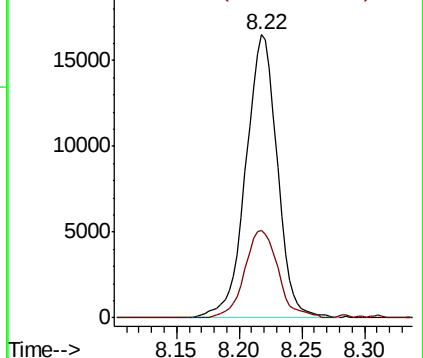


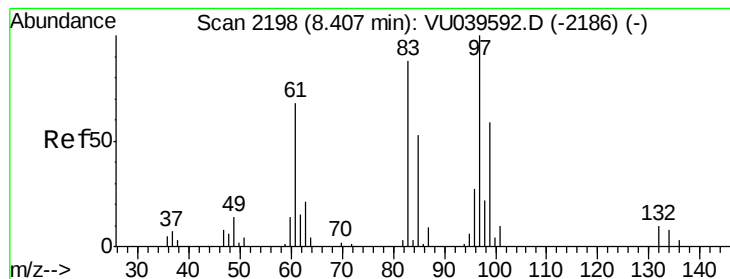
#44
 trans-1,3-Dichloropropene
 Concen: 2.860 ug/L
 RT: 8.22 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion: 75 Resp: 28959
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 2.295 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 13450

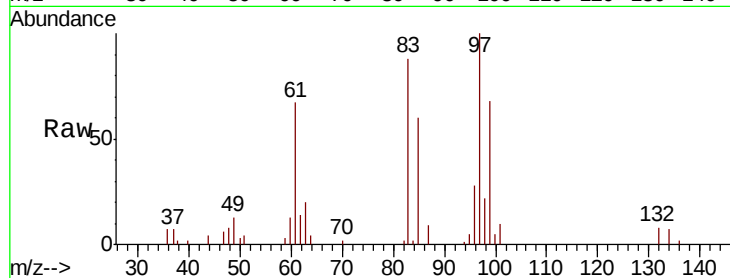
Ion Ratio Lower Upper

97 100

99 67.9 45.2 84.0

83 88.2 64.9 120.5

85 60.3 41.4 77.0



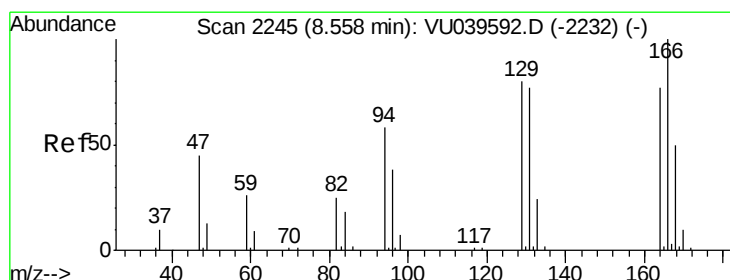
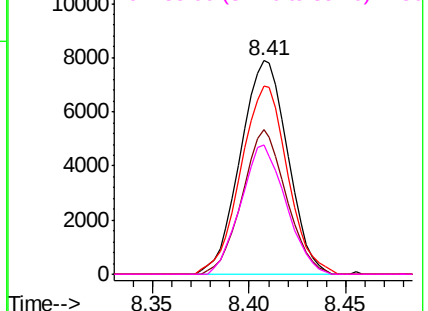
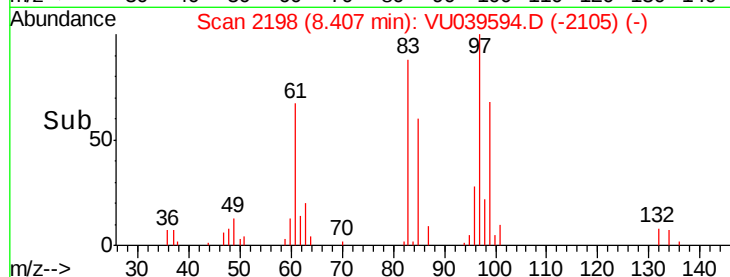
Abundance

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: 3.726 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Tgt Ion: 164 Resp: 19465

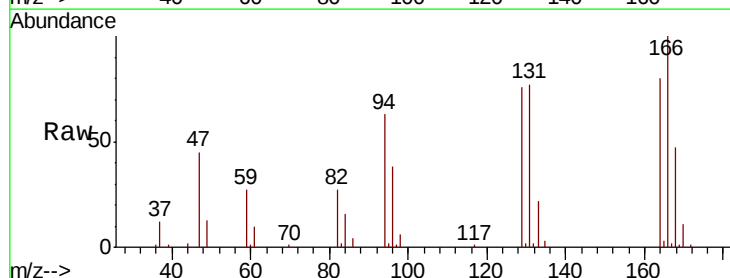
Ion Ratio Lower Upper

164 100

129 94.9 67.9 126.1

131 96.0 64.7 120.1

166 124.9 85.1 158.1



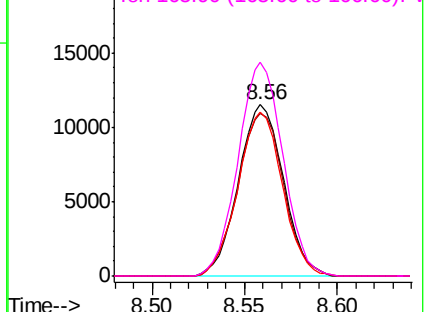
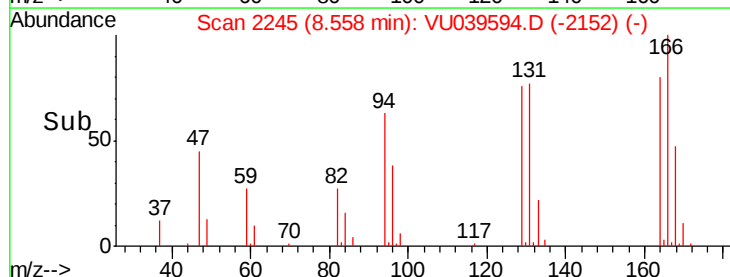
Abundance

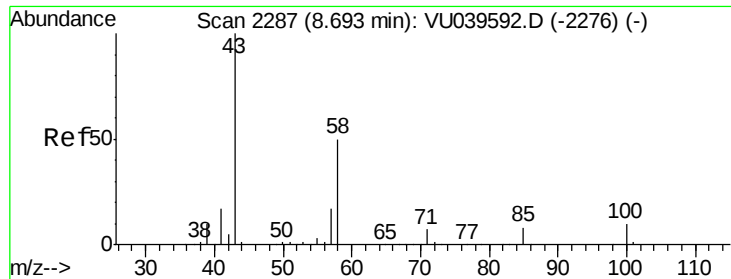
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

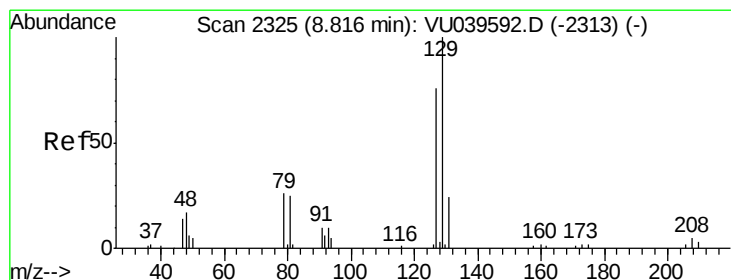
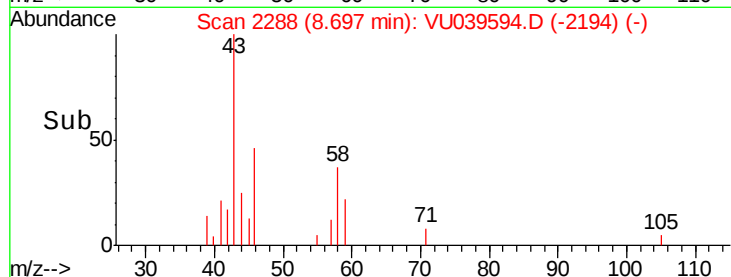
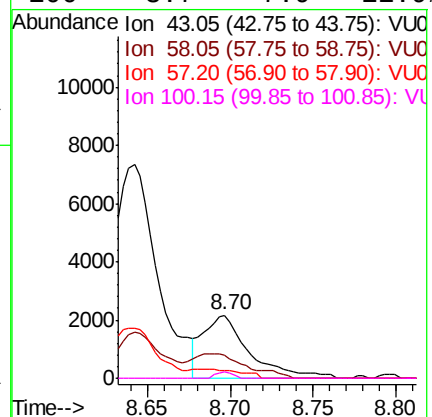
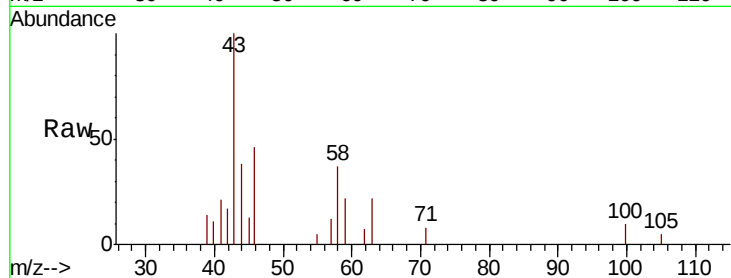




#48
2-Hexanone
Concen: 0.940 ug/L
RT: 8.70 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

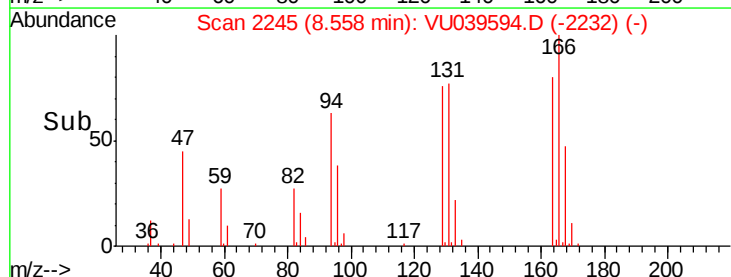
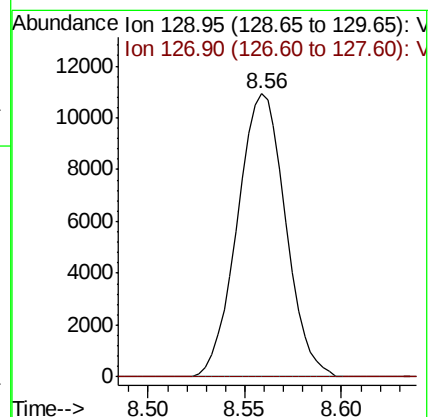
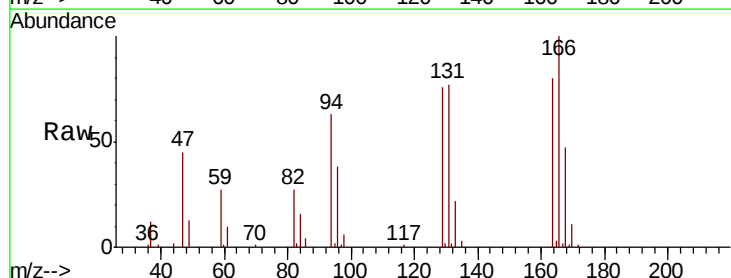
Instrument :
MSVOA_U
ClientSampled :

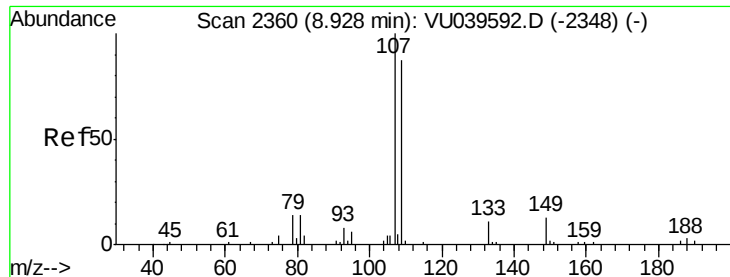
Tot Ion: 43 Resp: 4193
Ion Ratio Lower Upper
43 100
58 46.5 40.9 61.3
57 15.2 14.6 21.8
100 3.7 7.9 11.9#



#49
Dibromochloromethane
Concen: 2.657 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039594.D
Acq: 21 Jul 2020 13:40

Tgt Ion: 129 Resp: 18927
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#

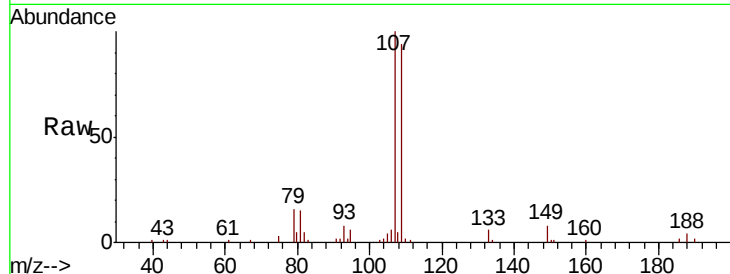




#50
 1,2-Dibromoethane
 Concen: 5.793 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.1	122.7
188	3.9	2.4	3.6#

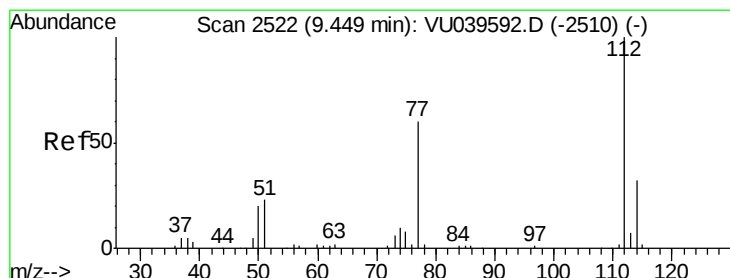
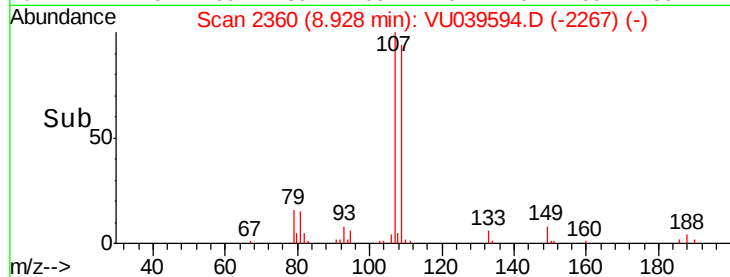
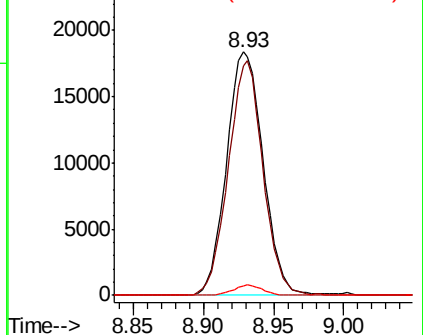


Abundance

Ion 106.95 (106.65 to 107.65): V

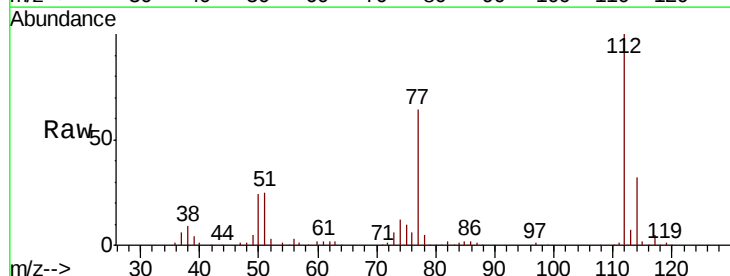
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 6.811 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	63.6	50.0	75.0

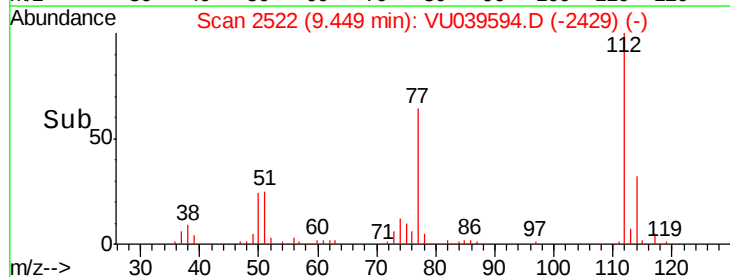
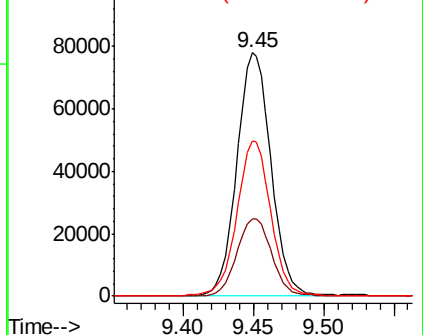


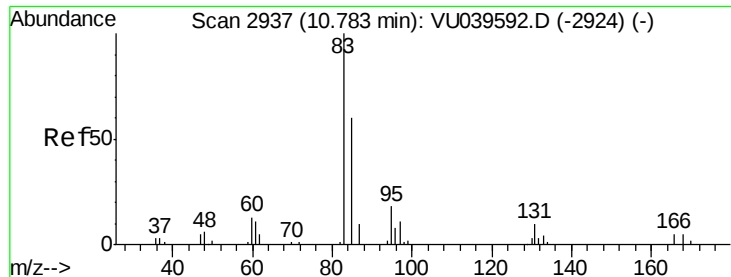
Abundance

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





#58

1,1,2,2-Tetrachloroethane

Concen: 1.899 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

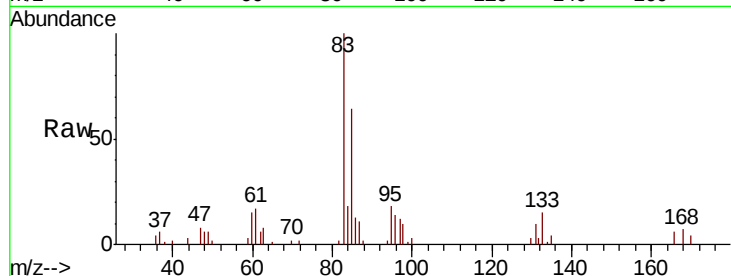
Tot Ion: 83 Resp: 14385

Ion Ratio Lower Upper

83 100

85 64.2 43.5 80.9

131 10.4 7.4 11.0



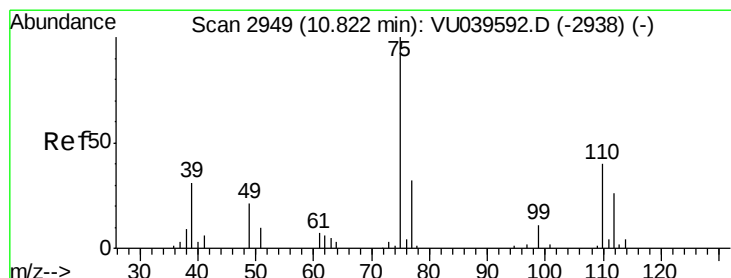
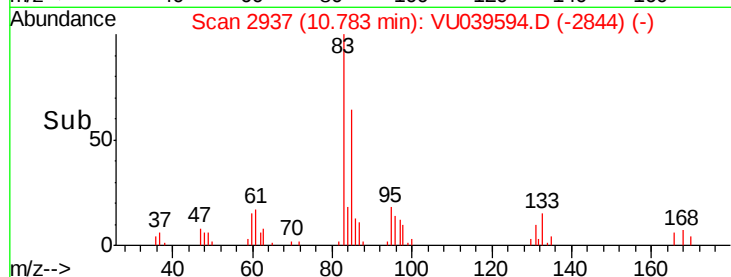
Abundance Ion 82.95 (82.65 to 83.65): VU039592.D (-2924) (-)

Ion 85.00 (84.70 to 85.70): VU039592.D (-2924) (-)

Ion 130.95 (130.65 to 131.65): VU039592.D (-2924) (-)

10.78

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.296 ug/L

RT: 11.47 min Scan# 3150

Delta R.T. 0.65 min

Lab File: VU039594.D

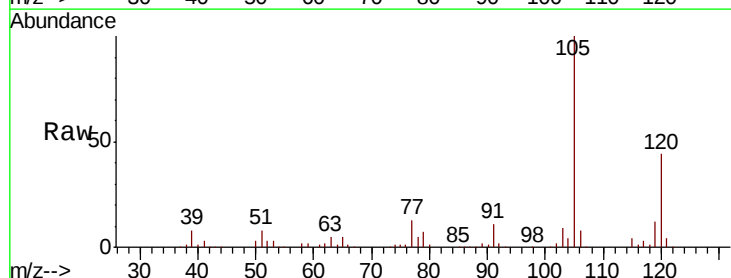
Acq: 21 Jul 2020 13:40

Tgt Ion: 75 Resp: 1676

Ion Ratio Lower Upper

75 100

77 1199.3 25.5 38.3#

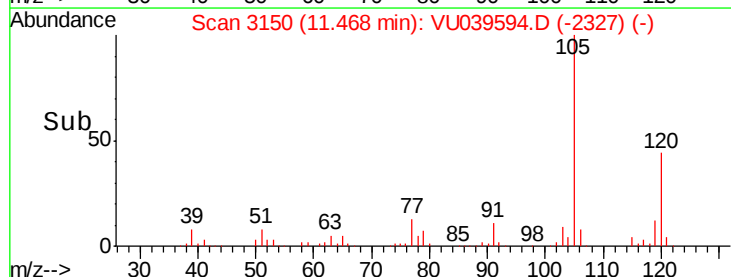


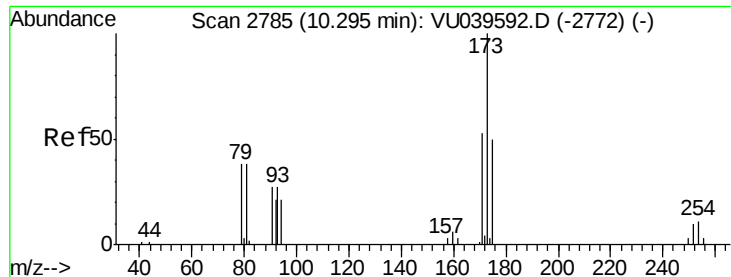
Abundance Ion 75.00 (74.70 to 75.70): VU039592.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039592.D (-2938) (-)

11.47

Time-->





#61

Bromoform

Concen: 3.148 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

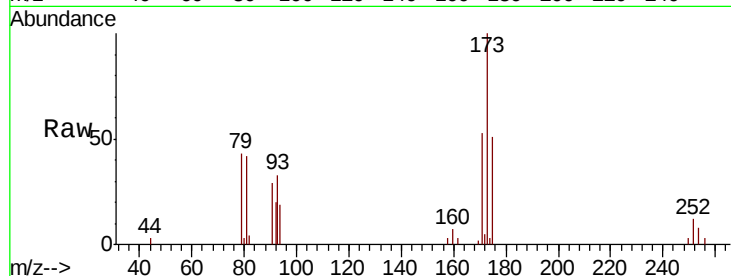
Tot Ion:173 Resp: 12129

Ion Ratio Lower Upper

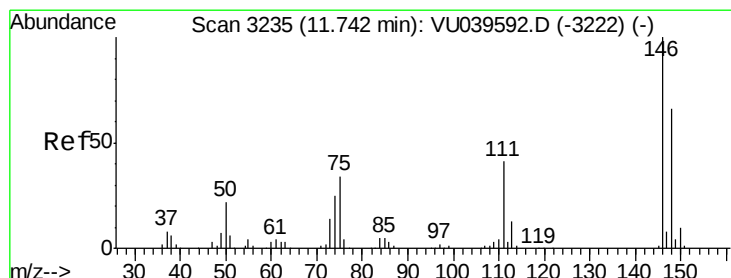
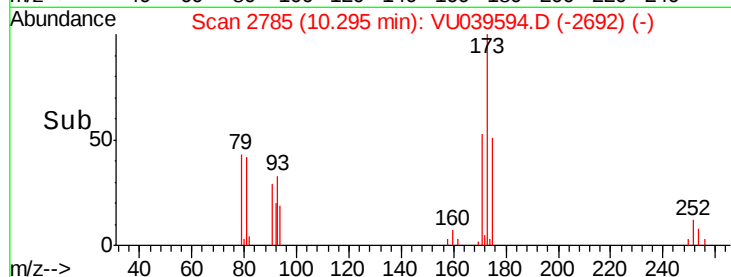
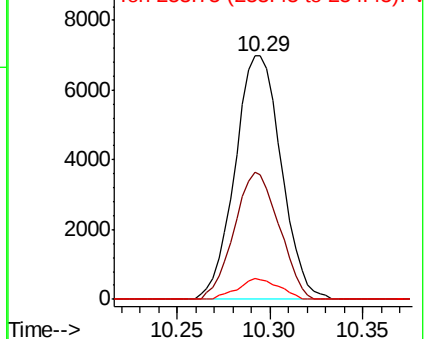
173 100

175 50.5 39.9 59.9

254 7.5 6.5 9.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 3.564 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

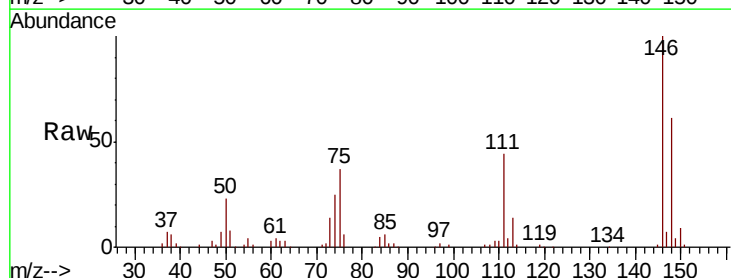
Tgt Ion:146 Resp: 52695

Ion Ratio Lower Upper

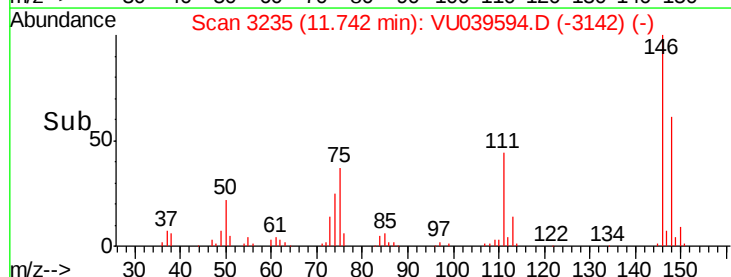
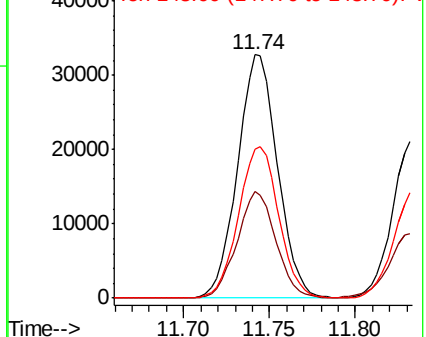
146 100

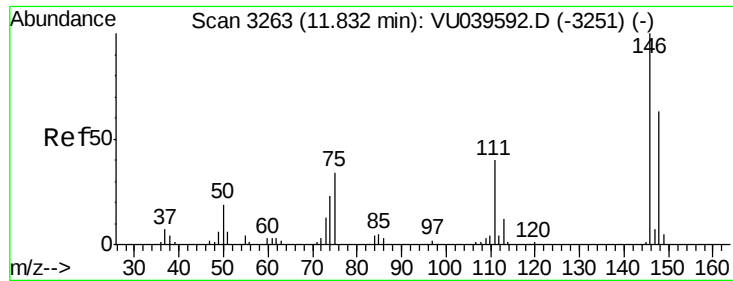
111 43.7 27.9 51.9

148 61.2 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

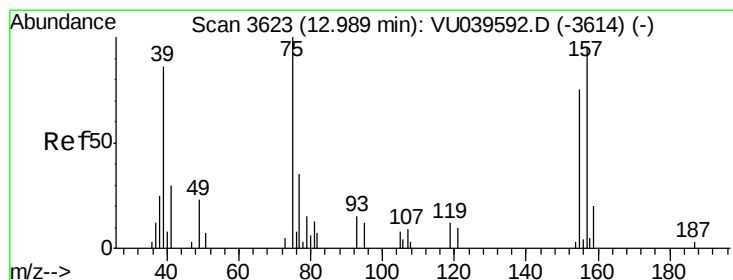
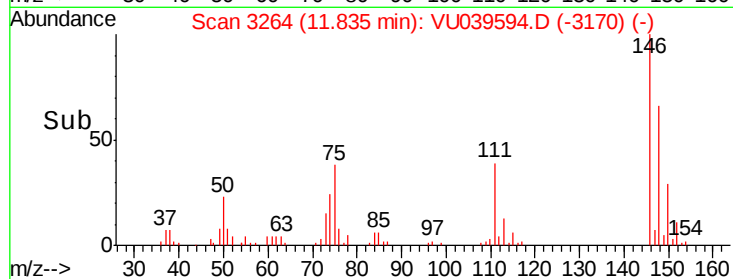
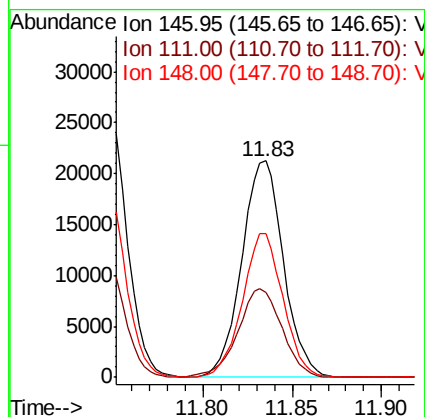
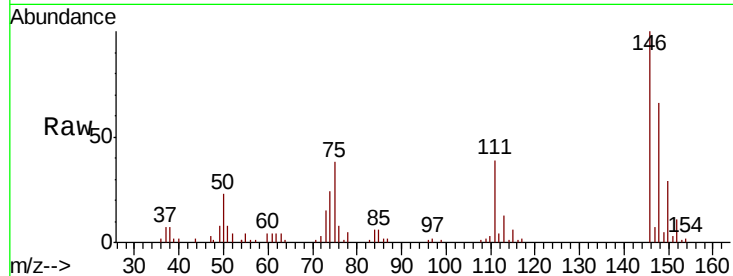




#63
 1,4-Dichlorobenzene
 Concen: 2.336 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

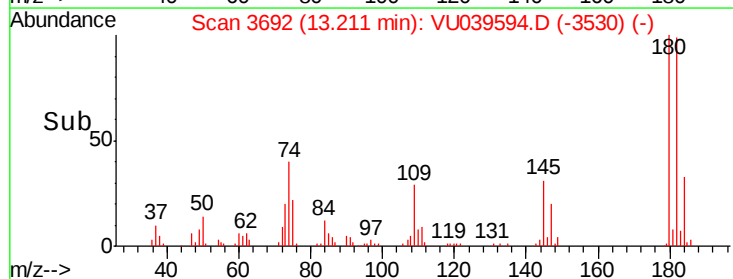
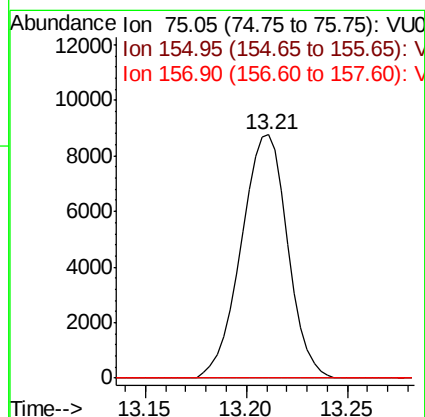
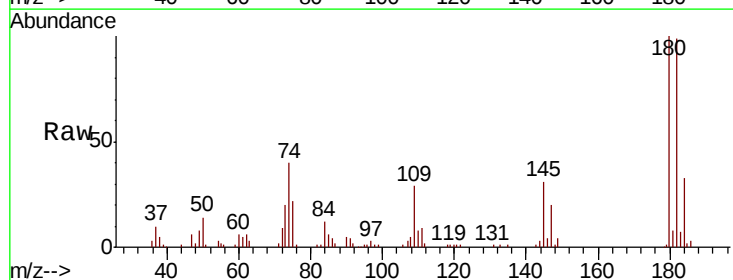
Instrument :
 MSVOA_U
 ClientSampleId :

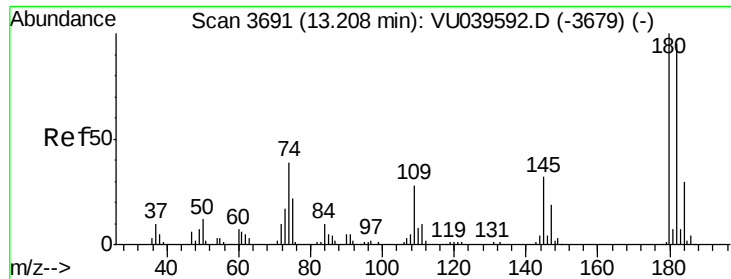
Tot Ion:146 Resp: 34775
 Ion Ratio Lower Upper
 146 100
 111 39.3 29.9 55.5
 148 66.3 44.8 83.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.950 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.22 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion: 75 Resp: 14139
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.4 72.6#
 157 0.0 68.2 102.2#

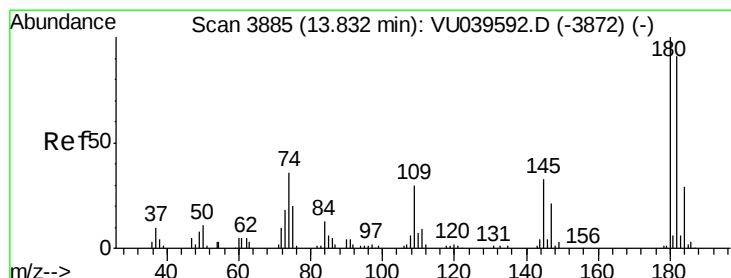
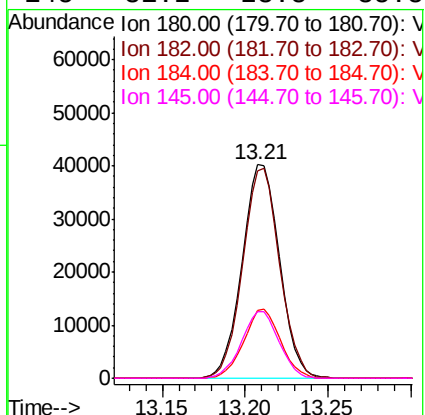
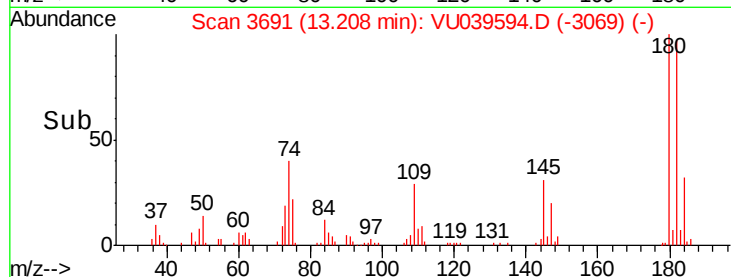
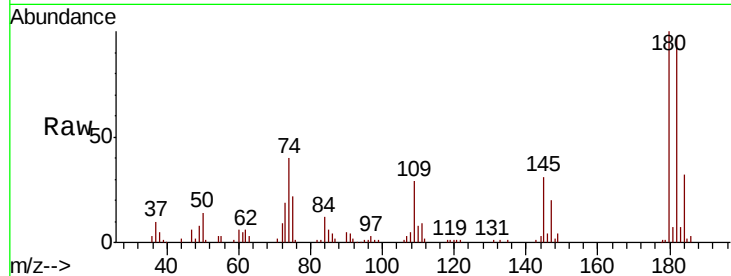




#67
 1,3,5-Trichlorobenzene
 Concen: 5.943 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

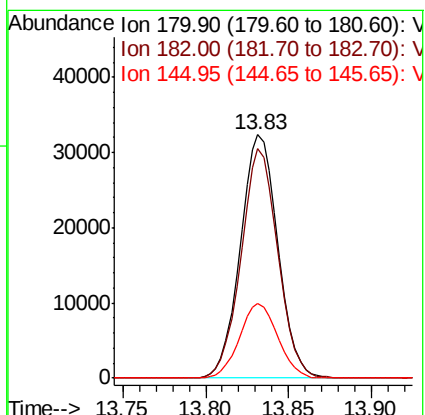
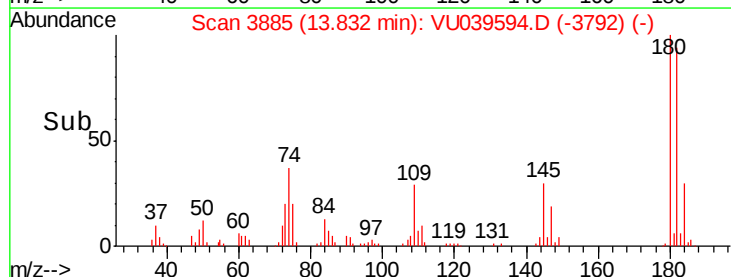
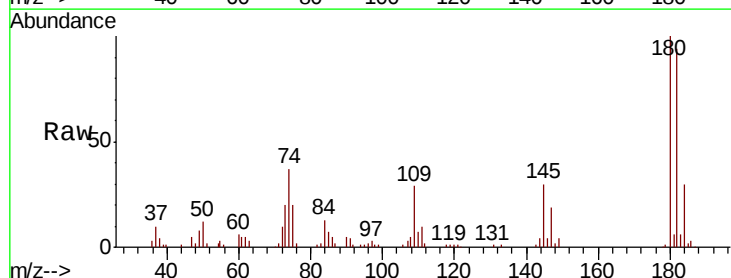
Instrument :
 MSVOA_U
 ClientSampleId :

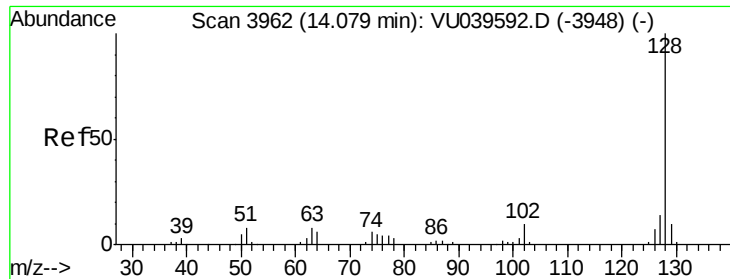
Tot Ion:180 Resp: 63234
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.5 114.7
 184 31.6 24.8 37.2
 145 31.2 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.818 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039594.D
 Acq: 21 Jul 2020 13:40

Tgt Ion:180 Resp: 50841
 Ion Ratio Lower Upper
 180 100
 182 92.6 78.8 118.2
 145 31.2 26.7 40.1





#69

Naphthalene

Concen: 0.116 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

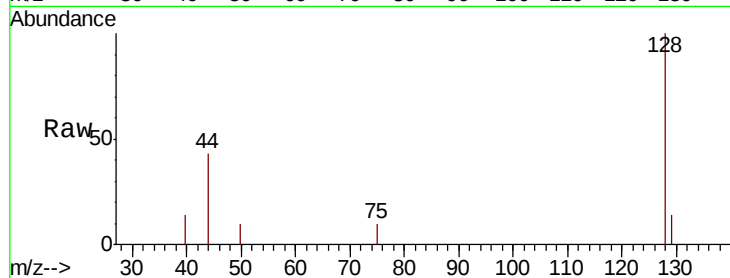
Tot Ion:128 Resp: 1717

Ion Ratio Lower Upper

128 100

129 8.0 8.6 12.8#

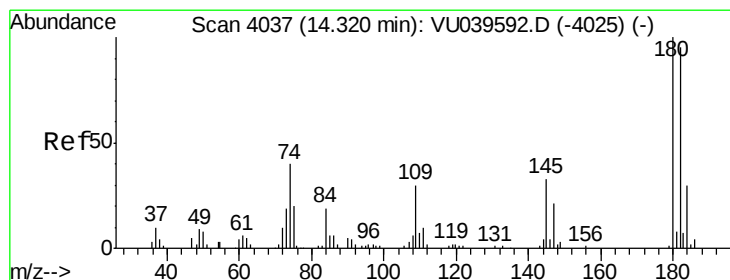
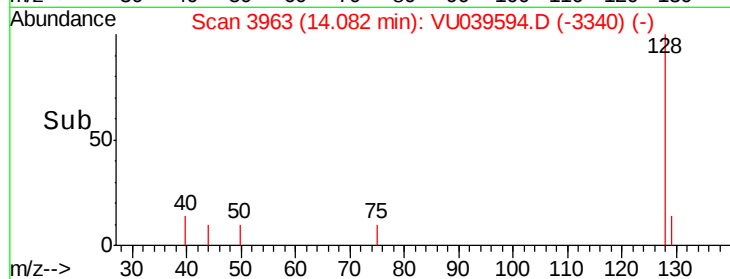
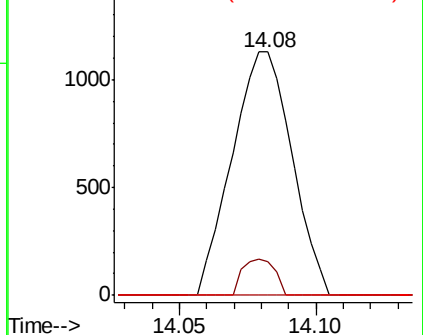
127 0.0 10.6 16.0#



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: 3.563 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039594.D

Acq: 21 Jul 2020 13:40

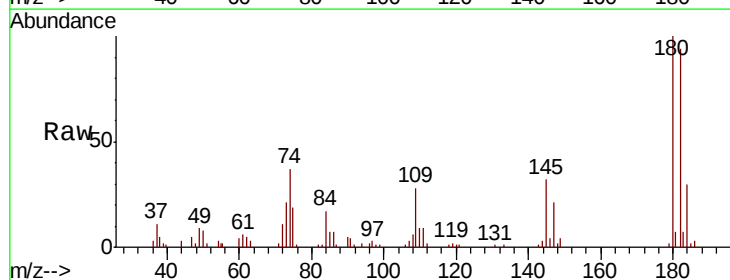
Tgt Ion:180 Resp: 27660

Ion Ratio Lower Upper

180 100

182 94.5 78.0 117.0

145 33.0 28.4 42.6



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

