

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039284.D
 Acq On : 06 Jul 2020 11:43
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

Quant Time: Jul 07 01:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 06 12:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	136469	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126627	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61655	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52572	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.93	69	46156	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.58	63	98271	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	4.66	46	204740	51.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	5.09	84	104038	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.72	65	62980	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	199750	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.71	67	64961	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	181716	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.19	79	30555	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.64	63	162846	51.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.20%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	60732	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	69446	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	40824	5.260	ug/L 98
3) Chloromethane	1.53	50	49422	4.998	ug/L 96
5) Vinyl chloride	1.61	62	49893	4.907	ug/L 95
6) Bromomethane	1.87	94	31415	5.040	ug/L 99
8) Chloroethane	1.94	64	31628	4.545	ug/L 98
9) Trichlorofluoromethane	2.15	101	88268	4.964	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	38894	5.015	ug/L 99
12) 1,1-Dichloroethene	2.60	96	37419	4.840	ug/L 87
13) Acetone	2.67	43	94033	50.240	ug/L 99
14) Carbon disulfide	2.81	76	122988	4.990	ug/L 100
15) Methyl Acetate	2.97	43	23397	4.996	ug/L 97
16) Methylene chloride	3.06	84	45837	4.656	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	124683	4.903	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	41828	4.977	ug/L 96
19) 1,1-Dichloroethane	3.89	63	82940	4.925	ug/L 98
21) 2-Butanone	4.74	43	169356	49.714	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	47676	4.978	ug/L 96

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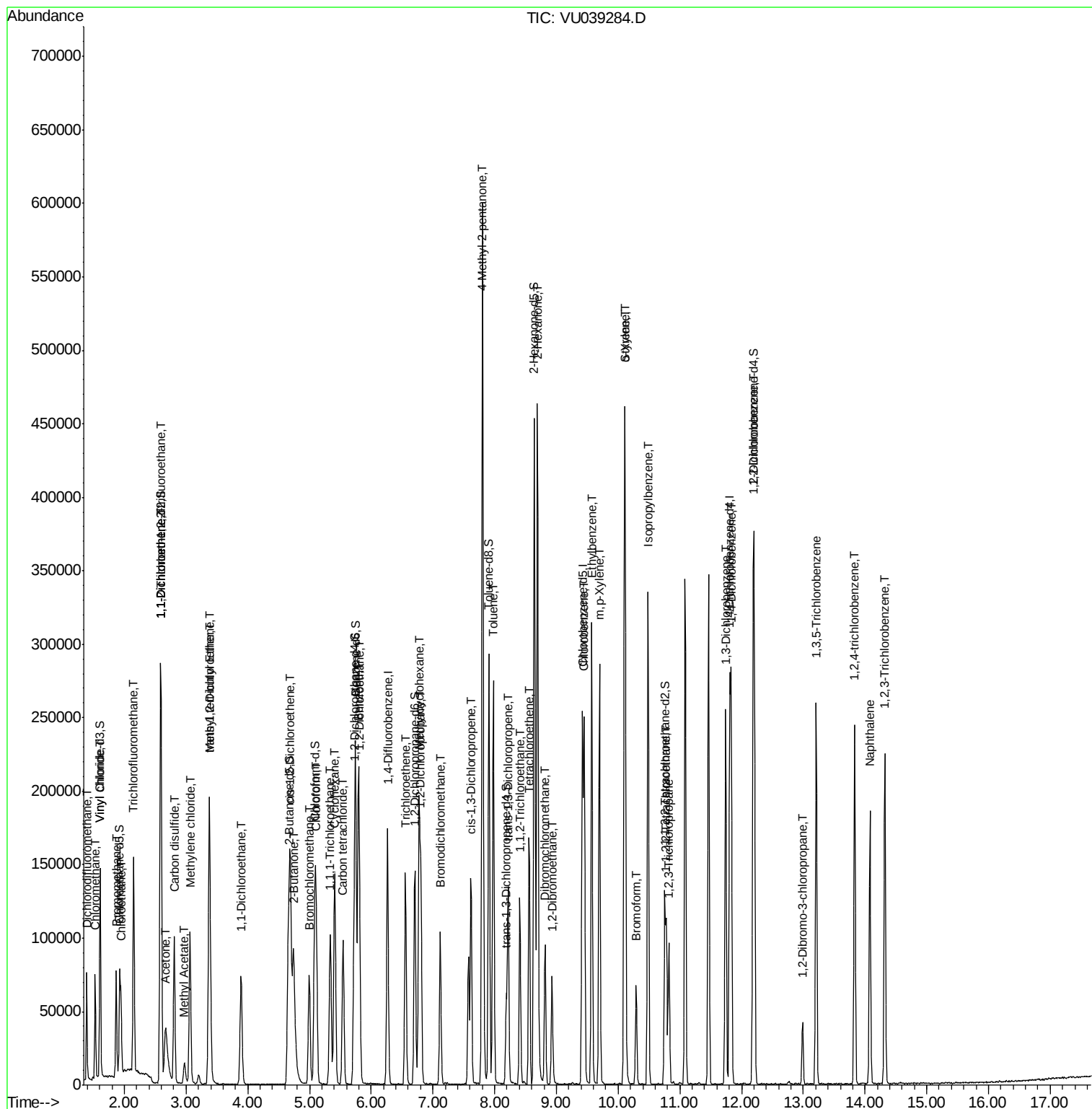
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	21848	5.063	ug/L	97
25) Chloroform	5.11	83	84167	4.799	ug/L	99
27) 1,2-Dichloroethane	5.81	62	61292	4.850	ug/L #	95
29) 1,1,1-Trichloroethane	5.34	97	73530	5.056	ug/L	99
30) Cyclohexane	5.41	56	74907	5.142	ug/L	98
31) Carbon tetrachloride	5.55	117	60933	4.983	ug/L	98
33) Benzene	5.79	78	176972	4.959	ug/L	100
34) Trichloroethene	6.56	95	47170	5.126	ug/L	97
35) Methylcyclohexane	6.78	83	74416	5.050	ug/L	99
37) 1,2-Dichloropropane	6.81	63	49920	5.014	ug/L	100
38) Bromodichloromethane	7.12	83	63713	4.908	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	77604	5.014	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	420174	49.865	ug/L	100
42) Toluene	7.98	91	192448	4.954	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	69168	4.962	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	36356	4.910	ug/L	96
47) Tetrachloroethene	8.56	164	32707	5.058	ug/L	96
48) 2-Hexanone	8.69	43	311714	49.743	ug/L	98
49) Dibromochloromethane	8.82	129	45091	4.850	ug/L	100
50) 1,2-Dibromoethane	8.93	107	35848	4.815	ug/L	97
51) Chlorobenzene	9.45	112	117014	4.871	ug/L	98
52) Ethylbenzene	9.57	91	215547	4.986	ug/L	100
53) m,p-Xylene	9.70	106	79178	4.855	ug/L	100
54) o-Xylene	10.10	106	79007	4.887	ug/L	97
55) Styrene	10.12	104	135292	4.786	ug/L	95
56) Isopropylbenzene	10.48	105	208660	4.766	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	50828	4.859	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	36247	4.844	ug/L	97
61) Bromoform	10.29	173	26794	4.874	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	95737	4.941	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	94213	4.950	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	95149	5.013	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10462	5.526	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	74359	5.223	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	67216	5.460	ug/L	100
69) Naphthalene	14.08	128	144993	6.144	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	62066	5.529	ug/L	99

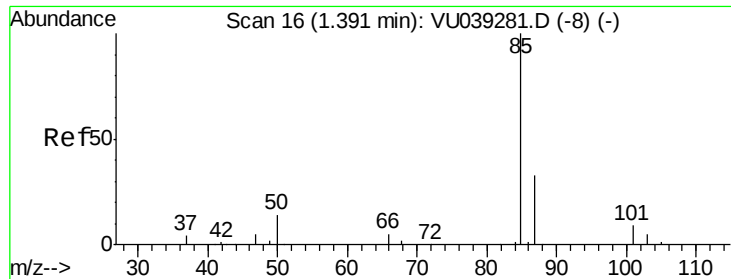
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 3    Sample Multiplier: 1
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MSVOA_U
ClientSampleId :
BFB25

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.260 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

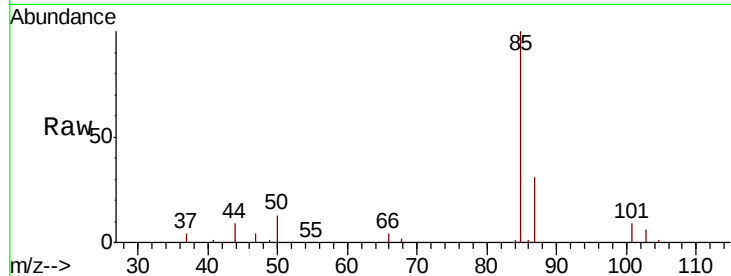
BFB25

Tot Ion: 85 Resp: 40824

Ion Ratio Lower Upper

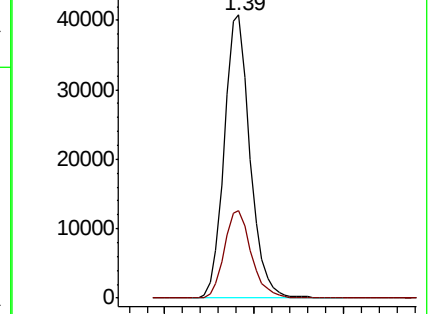
85 100

87 32.3 26.6 39.8

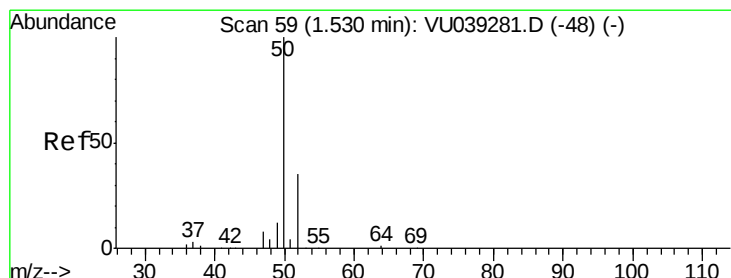
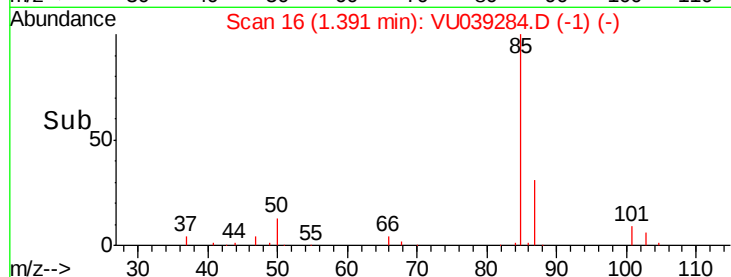


Abundance Ion 85.00 (84.70 to 85.70): VU039281.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039281.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 4.998 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039284.D

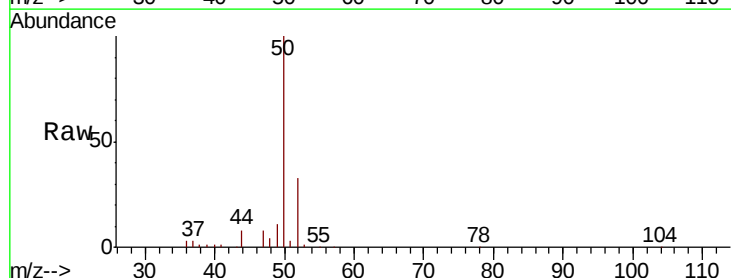
Acq: 06 Jul 2020 11:43

Tgt Ion: 50 Resp: 49422

Ion Ratio Lower Upper

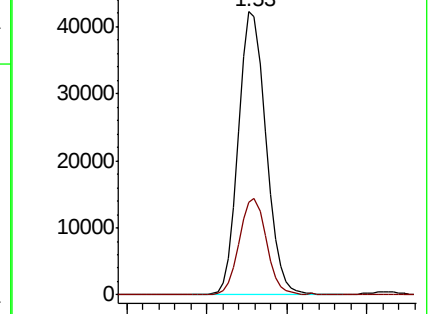
50 100

52 33.0 24.7 45.9

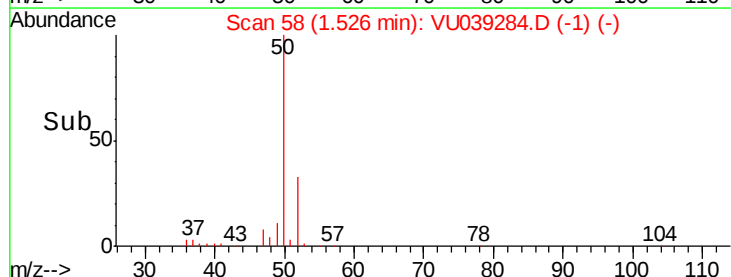


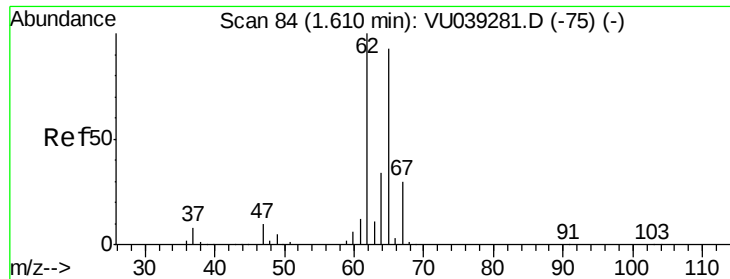
Abundance Ion 50.05 (49.75 to 50.75): VU039281.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU039281.D (-48) (-)



Time-->





#5

Vinyl chloride

Concen: 4.907 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

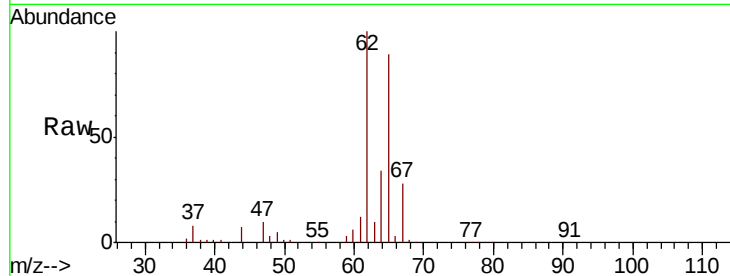
BFB25

Tot Ion: 62 Resp: 49893

Ion Ratio Lower Upper

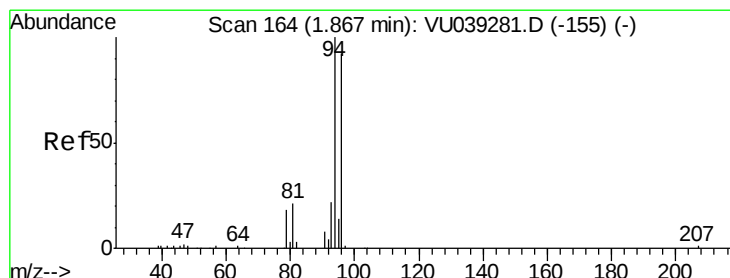
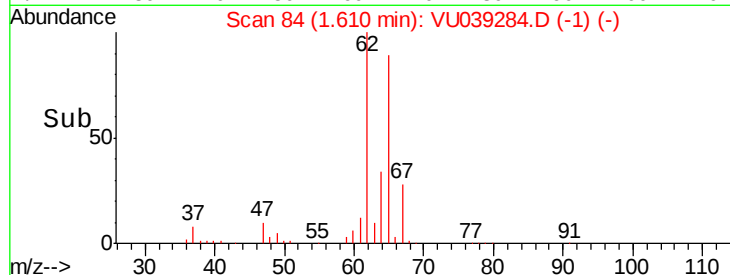
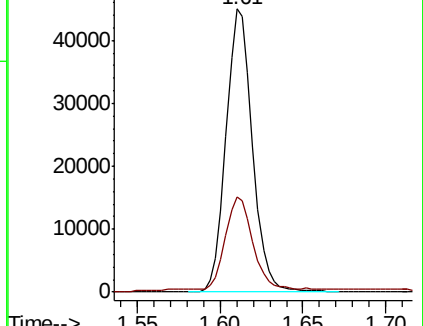
62 100

64 33.8 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039284.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039284.D (-75) (-)



#6

Bromomethane

Concen: 5.040 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039284.D

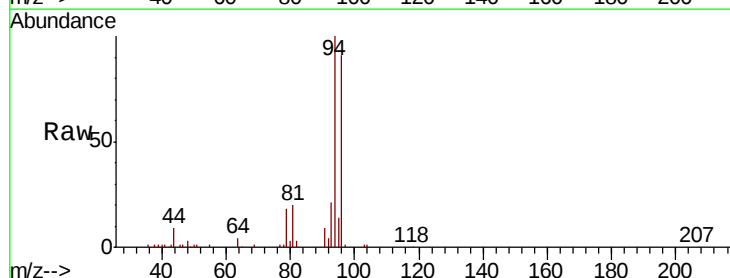
Acq: 06 Jul 2020 11:43

Tgt Ion: 94 Resp: 31415

Ion Ratio Lower Upper

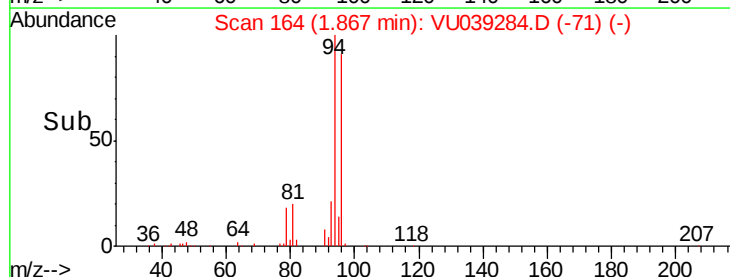
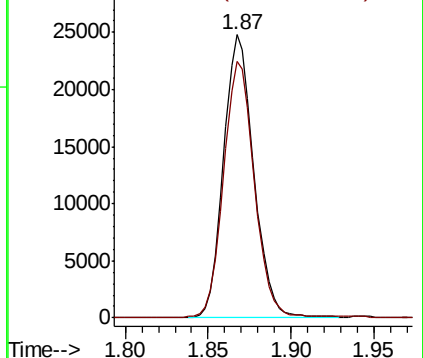
94 100

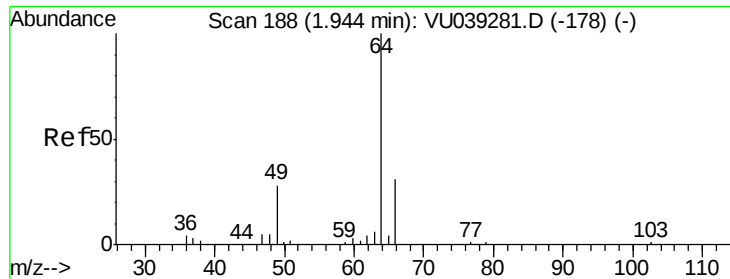
96 90.8 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU039284.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039284.D (-155) (-)

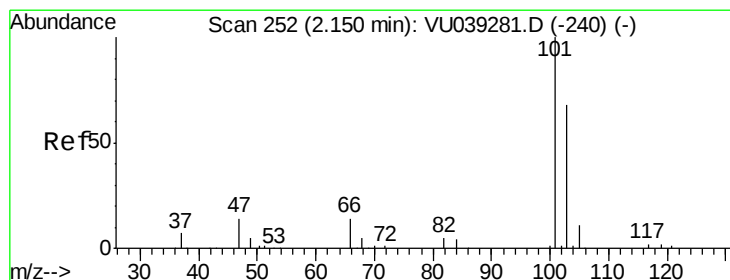
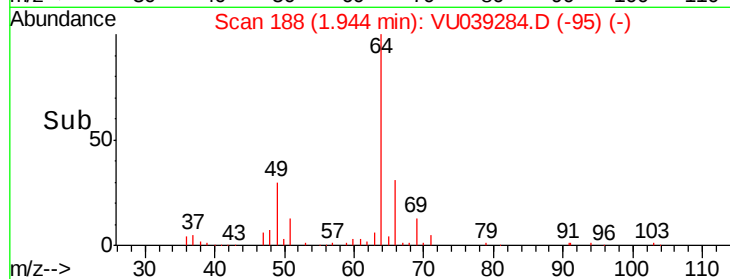
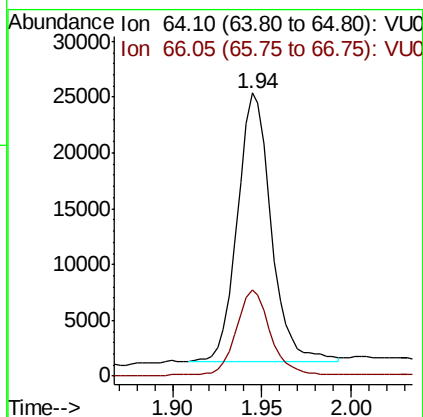
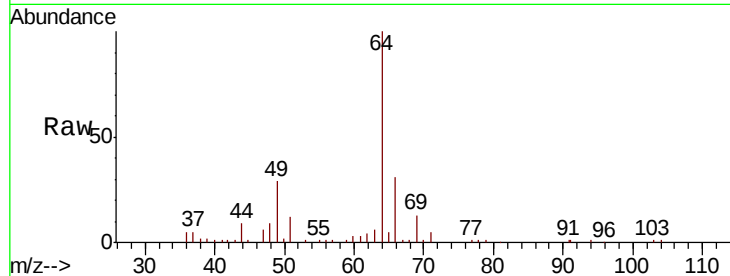




#8
 Chloroethane
 Concen: 4.545 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

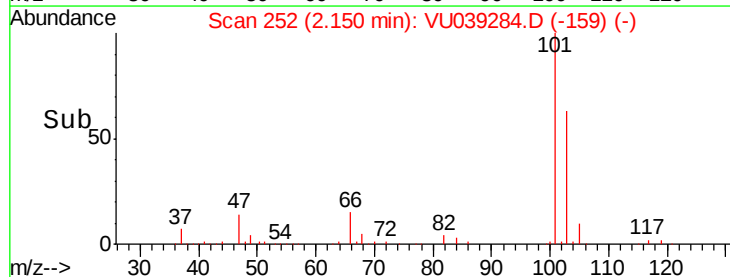
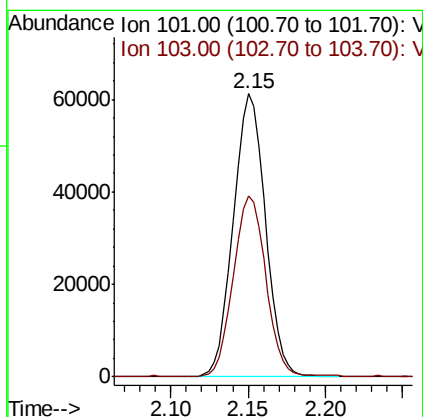
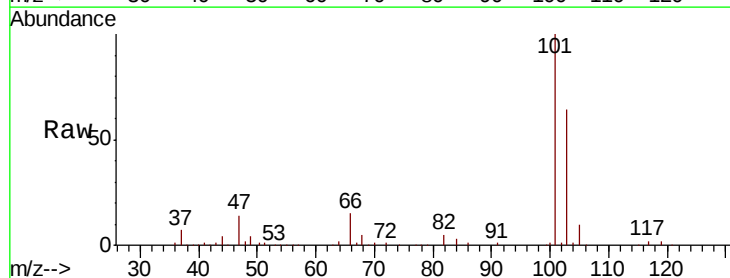
Instrument :
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 ClientSampleId :
 BFB25

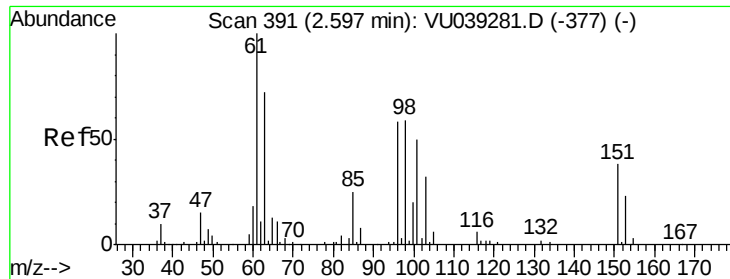
Tot Ion: 64 Resp: 31628
 Ion Ratio Lower Upper
 64 100
 66 30.6 20.7 38.5



#9
 Trichlorofluoromethane
 Concen: 4.964 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 101 Resp: 88268
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.4 80.2





#10

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

Concen: 5.015 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampled :

BFB25

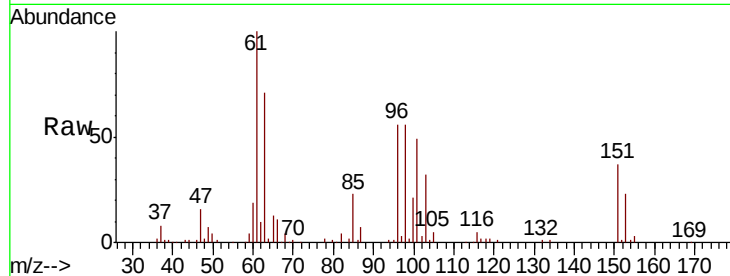
Tot Ion:101 Resp: 38894

Ion Ratio Lower Upper

101 100

85 46.4 38.4 57.6

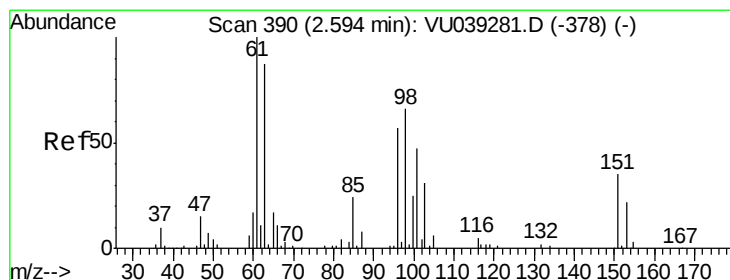
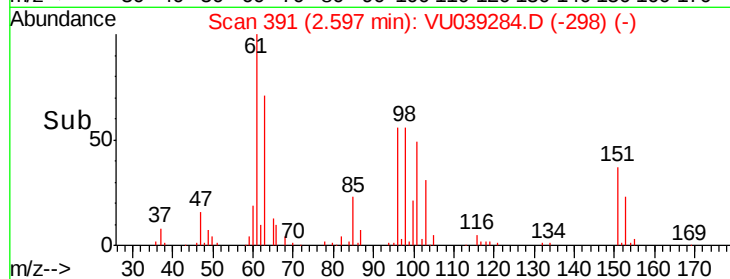
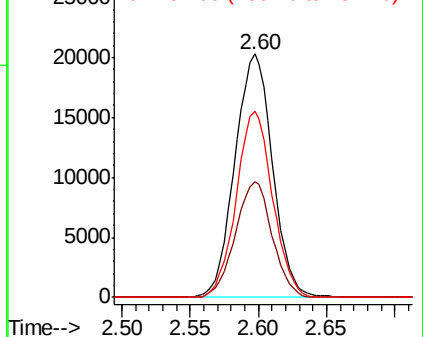
151 73.6 58.3 87.5



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: 4.840 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

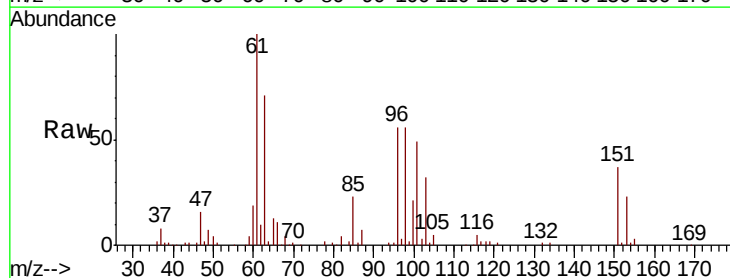
Tgt Ion: 96 Resp: 37419

Ion Ratio Lower Upper

96 100

61 180.1 123.8 230.0

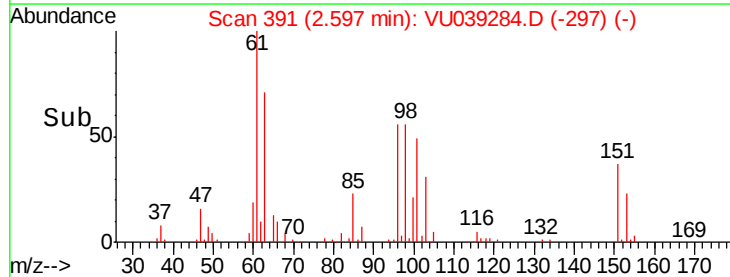
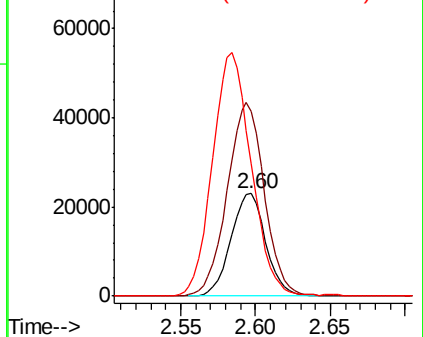
63 128.3 112.1 208.3

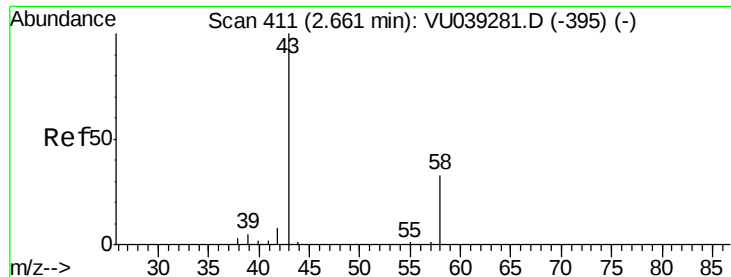


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.240 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

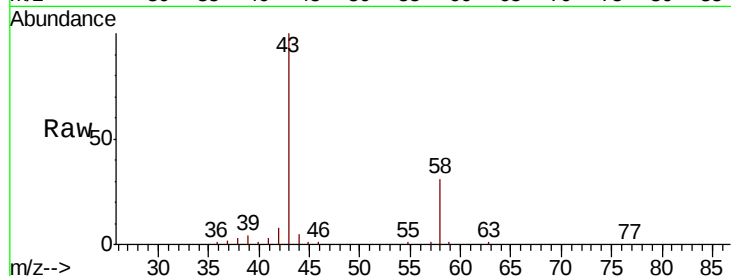
BFB25

Tot Ion: 43 Resp: 94033

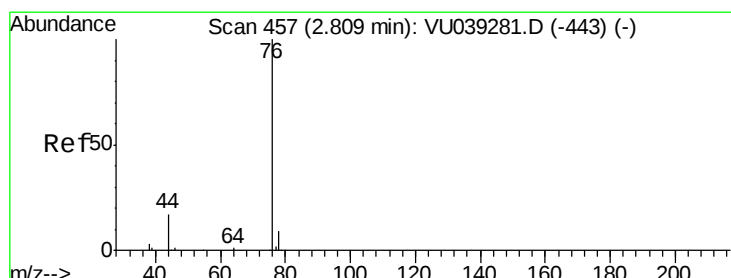
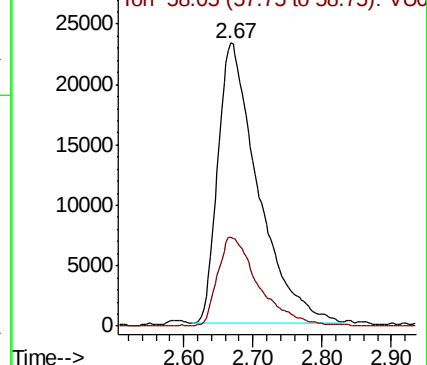
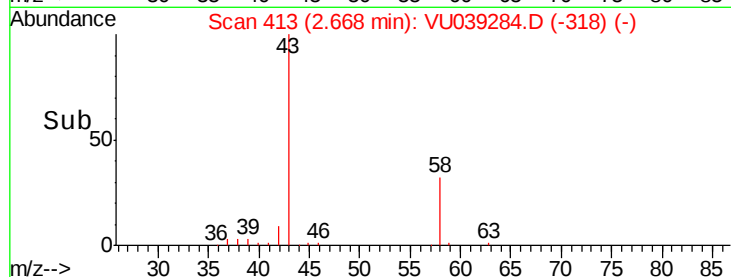
Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039284.D (-318) (-)



#14

Carbon disulfide

Concen: 4.990 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039284.D

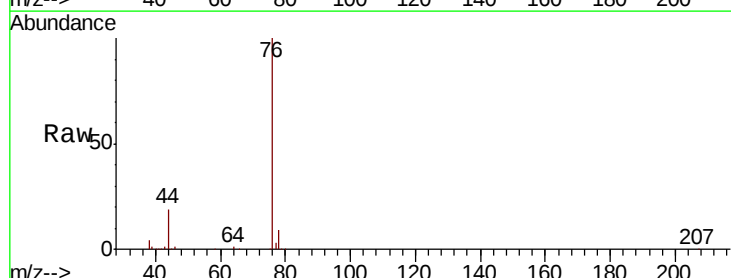
Acq: 06 Jul 2020 11:43

Tgt Ion: 76 Resp: 122988

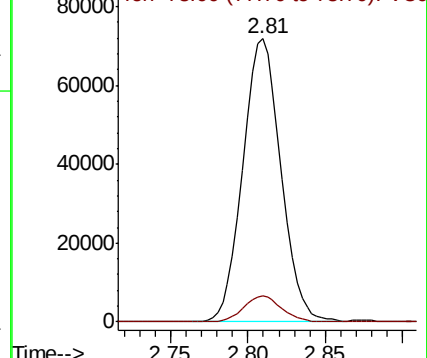
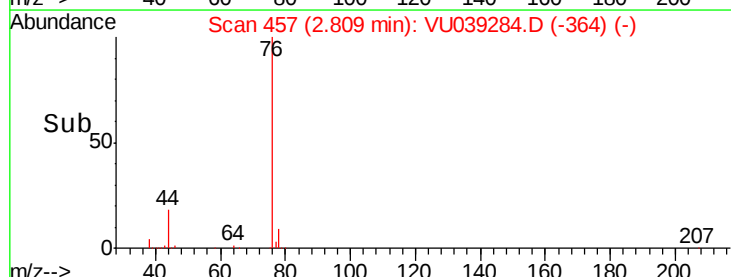
Ion Ratio Lower Upper

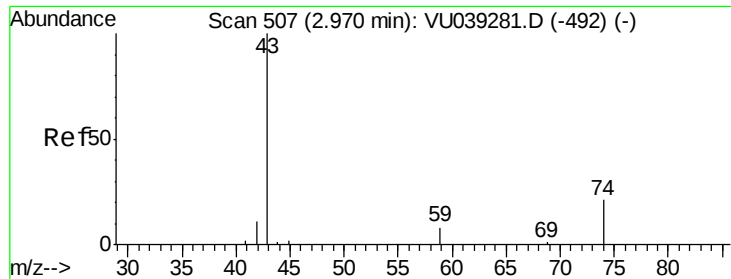
76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039284.D (-364) (-)





#15

Methvl Acetate

Concen: 4.996 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

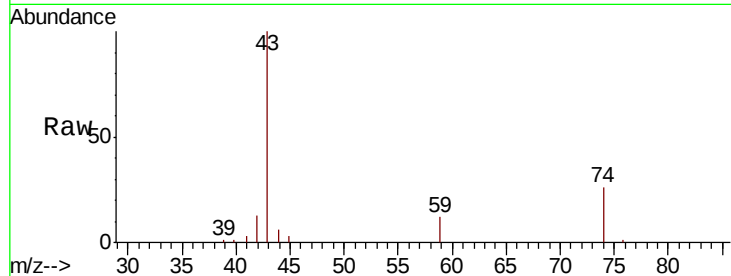
BFB25

Tot Ion: 43 Resp: 23397

Ion Ratio Lower Upper

43 100

74 23.4 17.5 26.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

10000

8000

6000

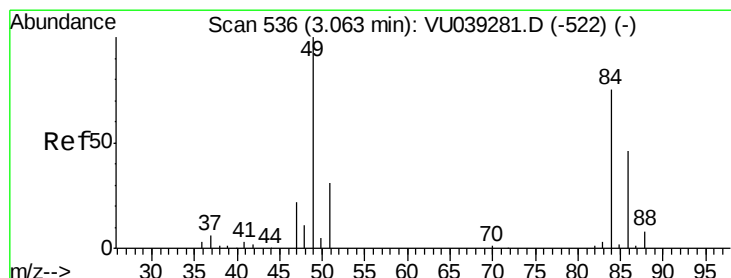
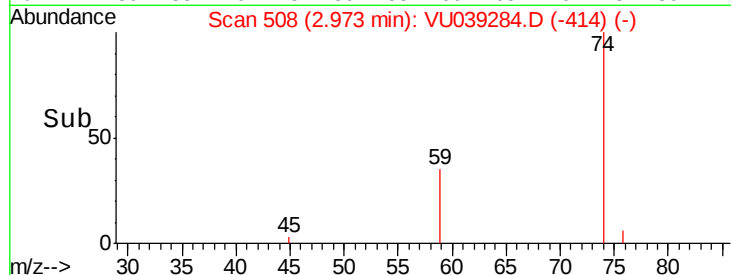
4000

2000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 4.656 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

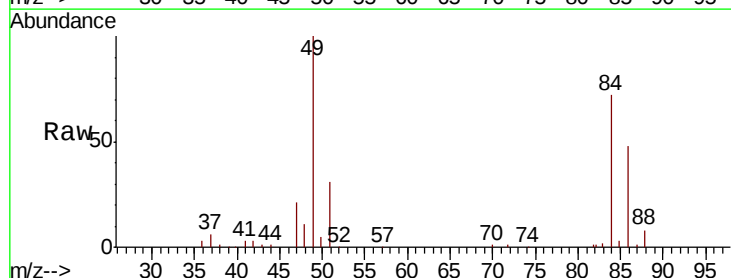
Tgt Ion: 84 Resp: 45837

Ion Ratio Lower Upper

84 100

86 66.3 42.6 79.0

49 139.4 93.0 172.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

3.06

40000

30000

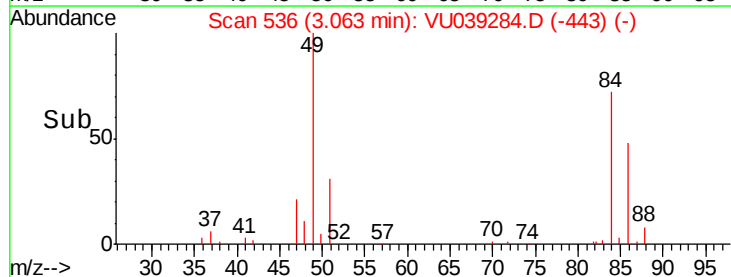
20000

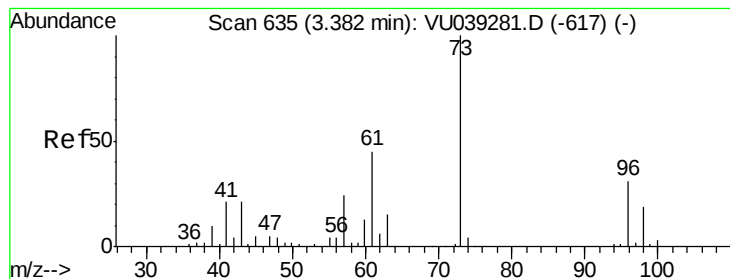
10000

0

Time-->

3.00 3.05 3.10 3.15



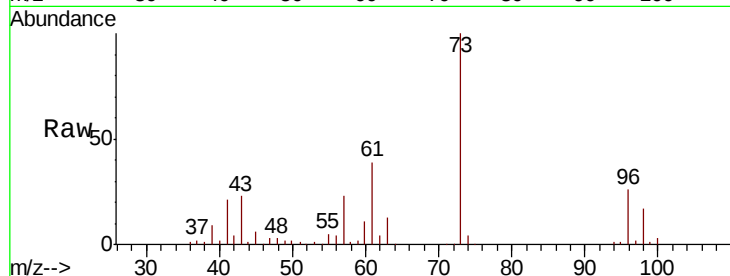


#17

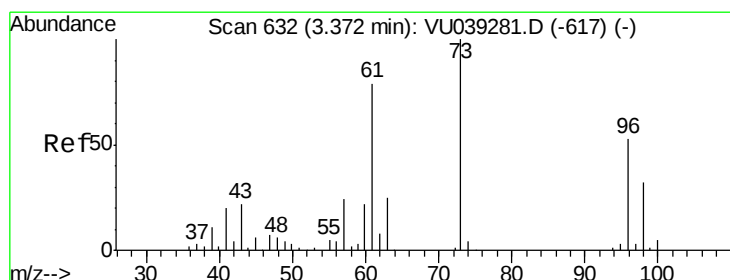
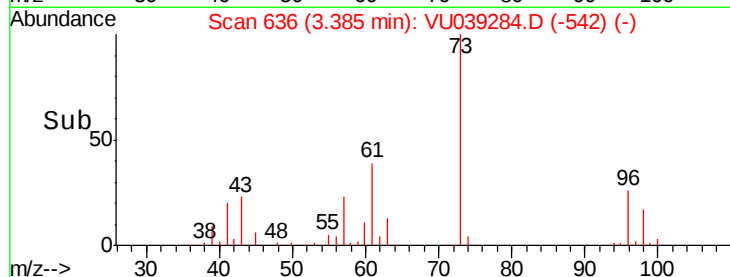
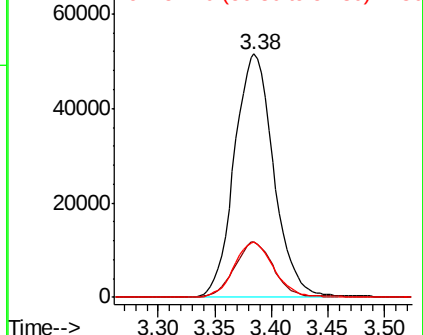
Methvl tert-butvl Ether
 Concen: 4.903 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

Tot Ion: 73 Resp: 124683
 Ion Ratio Lower Upper
 73 100
 43 22.6 17.5 26.3
 57 23.0 18.6 27.8



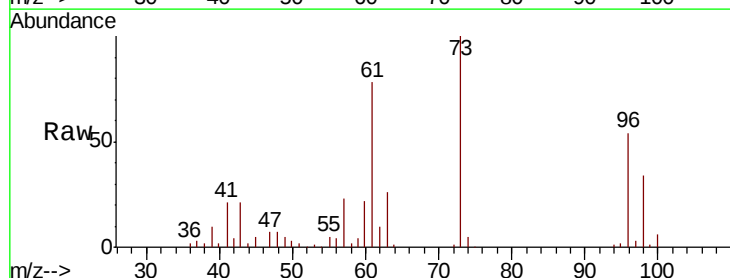
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



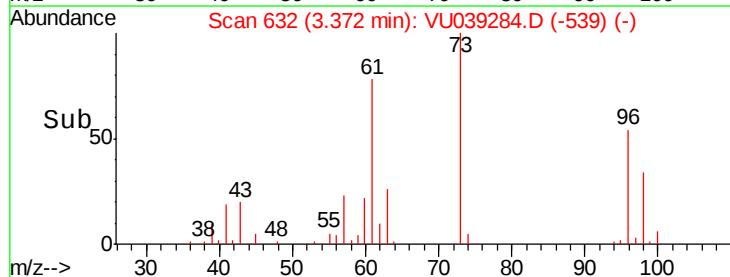
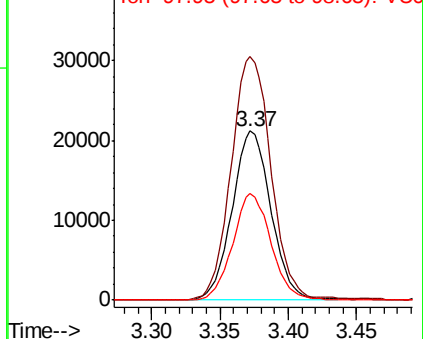
#18

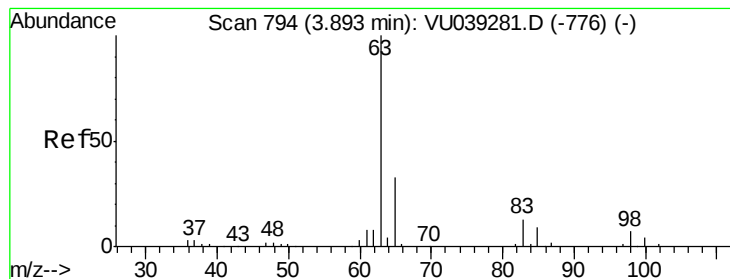
trans-1,2-Dichloroethene
 Concen: 4.977 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 96 Resp: 41828
 Ion Ratio Lower Upper
 96 100
 61 144.0 104.7 194.5
 98 63.4 43.1 80.1



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: 4.925 ug/L

RT: 3.89 min Scan# 794

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

BFB25

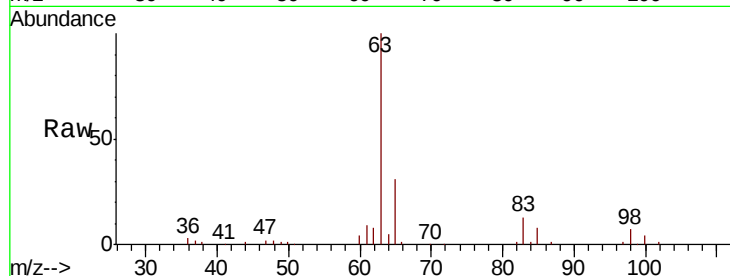
Tot Ion: 63 Resp: 82940

Ion Ratio Lower Upper

63 100

65 31.2 22.7 42.3

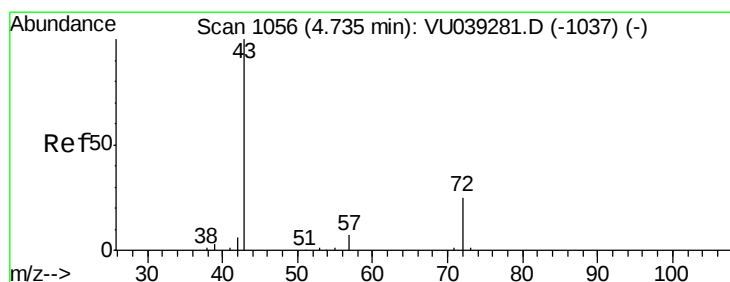
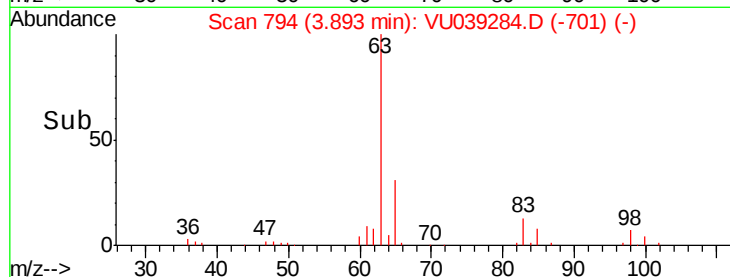
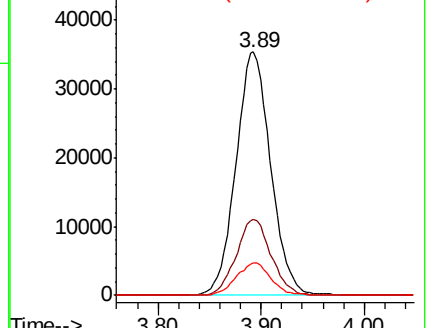
83 13.1 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU039284.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU039284.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU039284.D (-776) (-)



#21

2-Butanone

Concen: 49.714 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039284.D

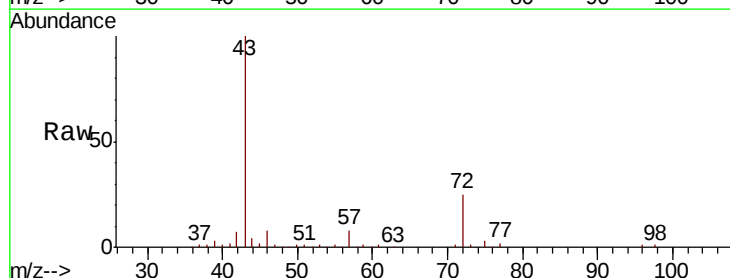
Acq: 06 Jul 2020 11:43

Tgt Ion: 43 Resp: 169356

Ion Ratio Lower Upper

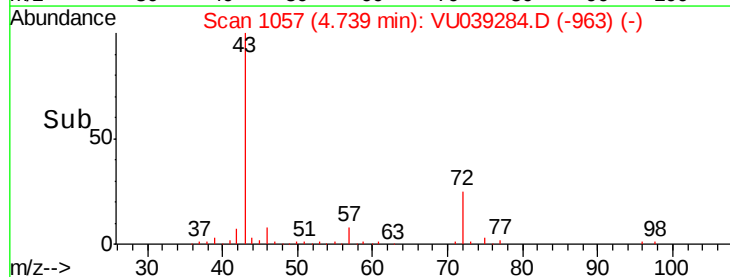
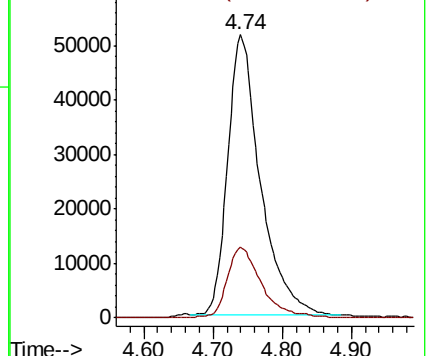
43 100

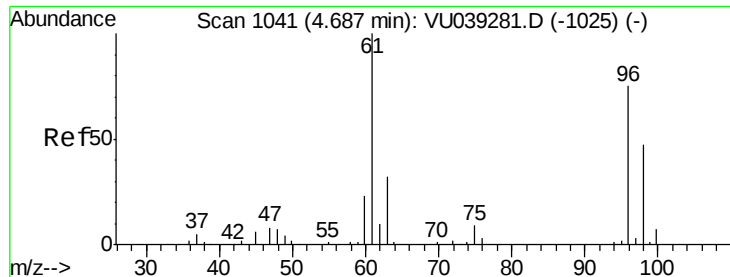
72 26.4 12.8 38.3



Abundance Ion 43.05 (42.75 to 43.75): VU039284.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU039284.D (-963) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.978 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

BFB25

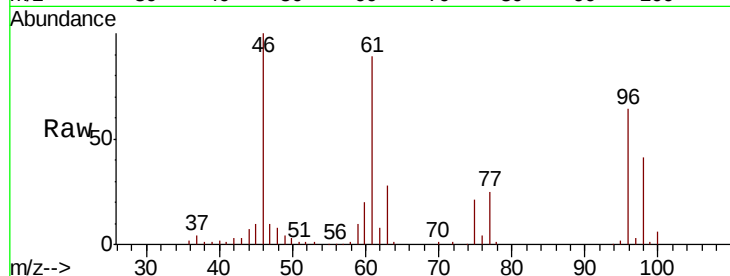
Tot Ion: 96 Resp: 47676

Ion Ratio Lower Upper

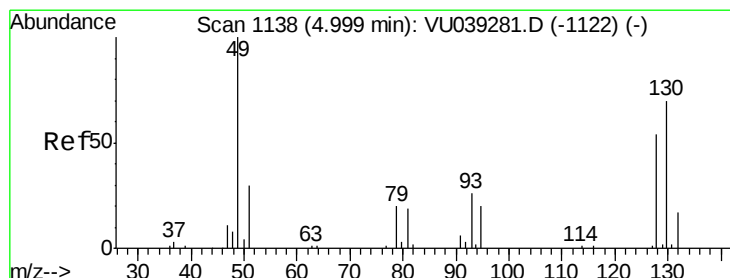
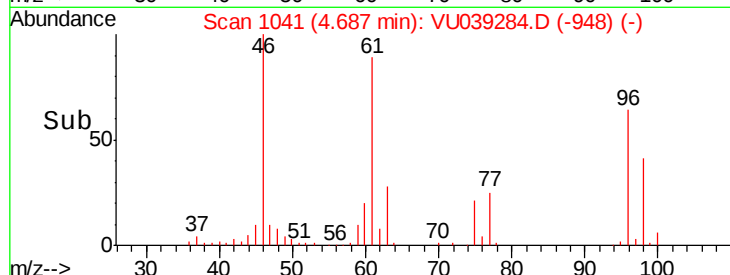
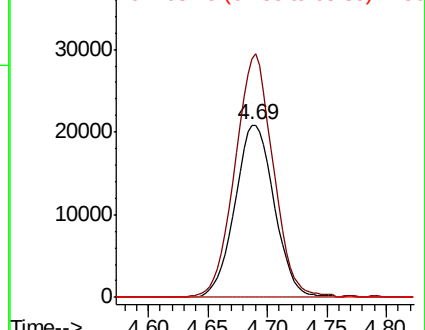
96 100

61 138.6 93.7 173.9

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: 5.063 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Tgt Ion:128 Resp: 21848

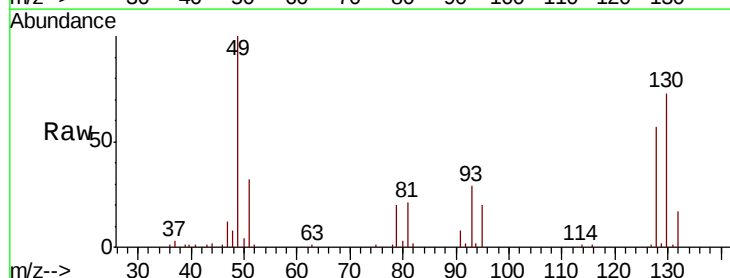
Ion Ratio Lower Upper

128 100

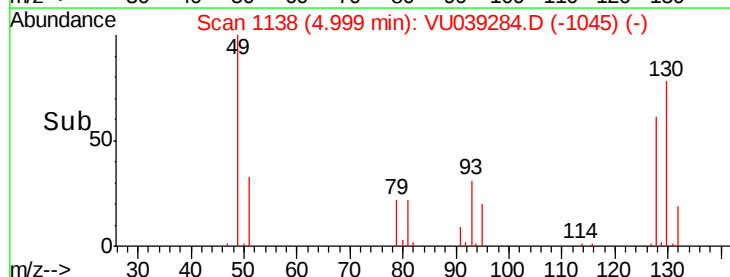
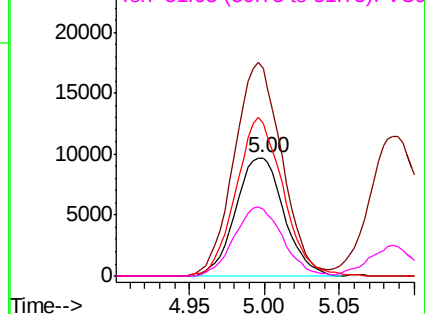
49 175.5 128.7 238.9

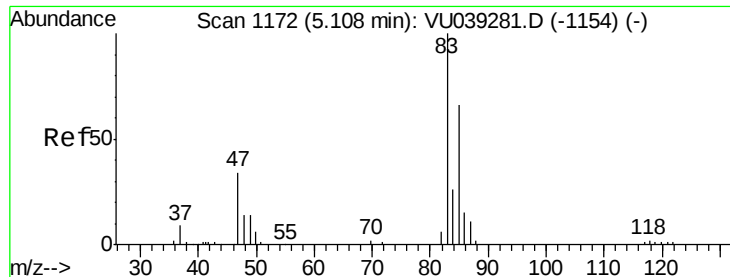
130 128.7 89.7 166.5

51 56.3 43.5 65.3



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

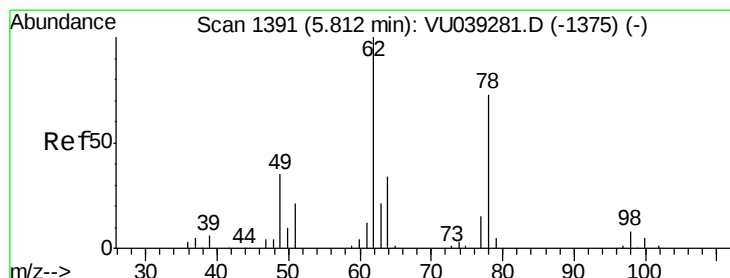
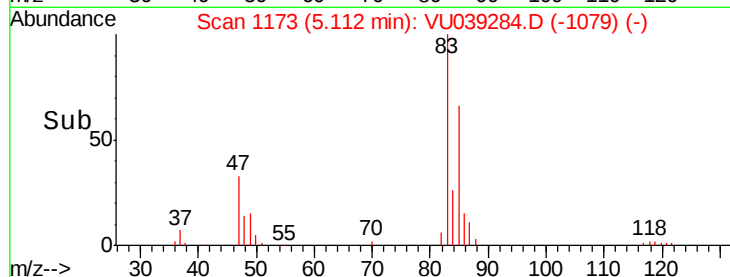
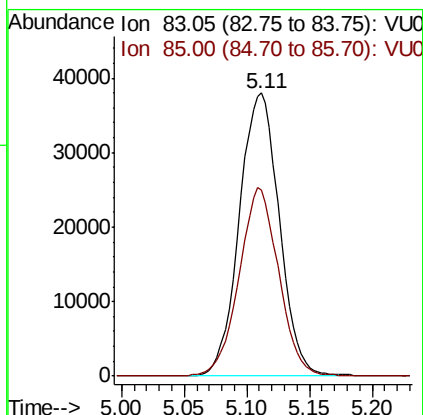
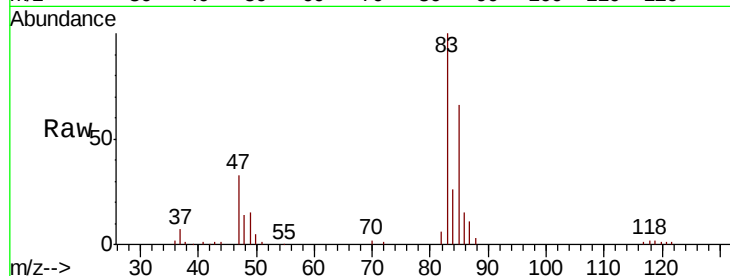




#25
Chloroform
Concen: 4.799 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

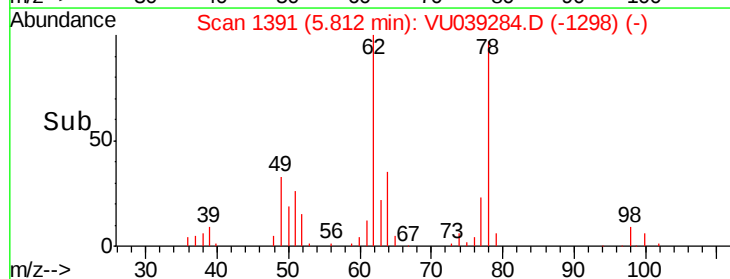
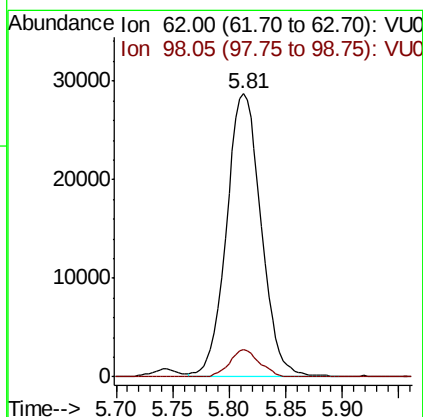
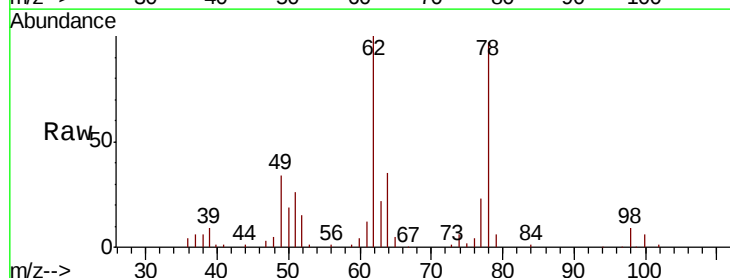
Instrument :
MSVOA_U
ClientSampleId :
BFB25

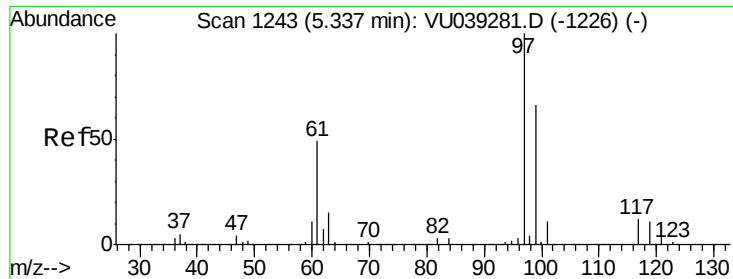
Tot Ion: 83 Resp: 84167
Ion Ratio Lower Upper
83 100
85 65.8 46.3 86.1



#27
1,2-Dichloroethane
Concen: 4.850 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Tgt Ion: 62 Resp: 61292
Ion Ratio Lower Upper
62 100
98 9.6 6.2 9.4#

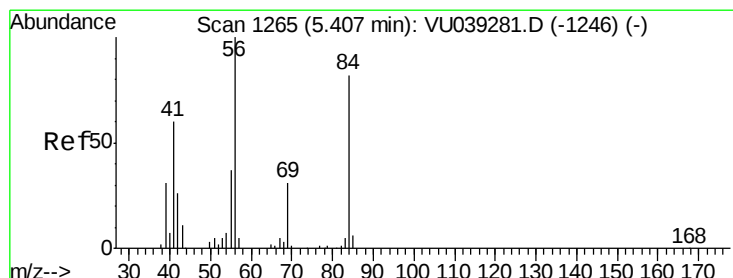
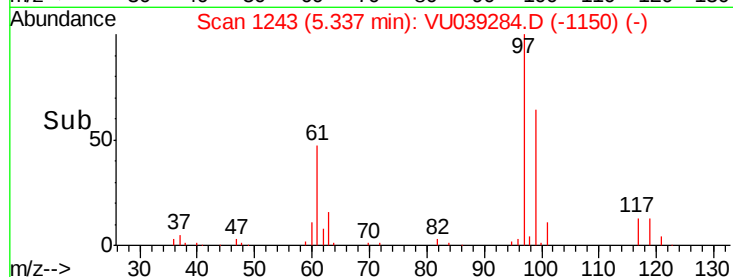
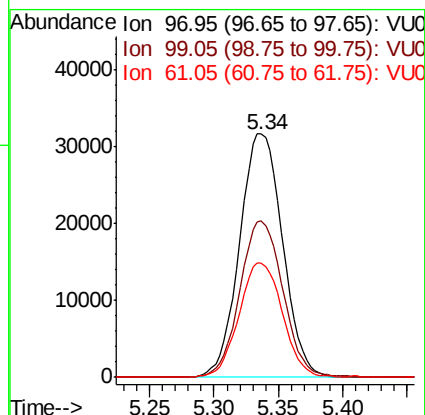
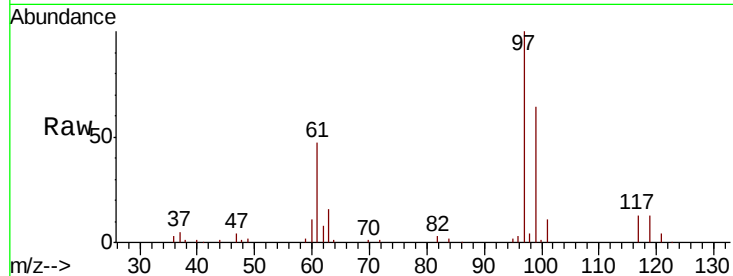




#29
 1,1,1-Trichloroethane
 Concen: 5.056 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

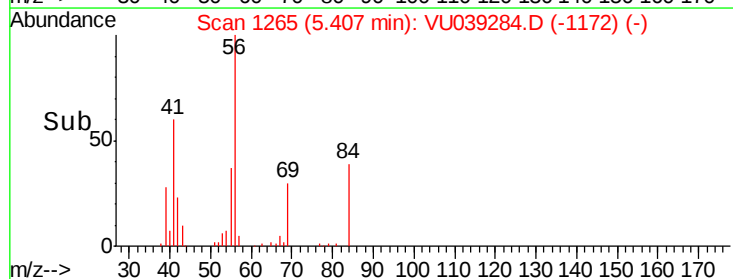
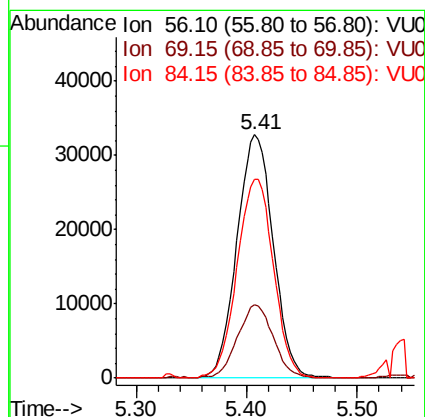
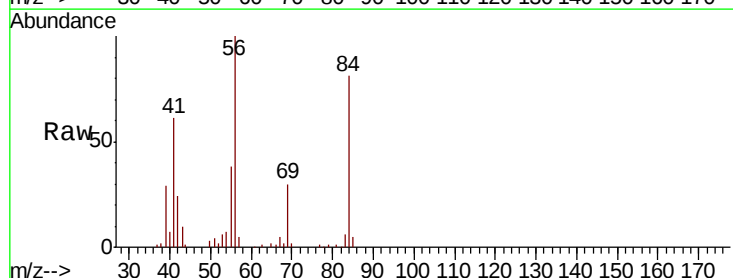
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

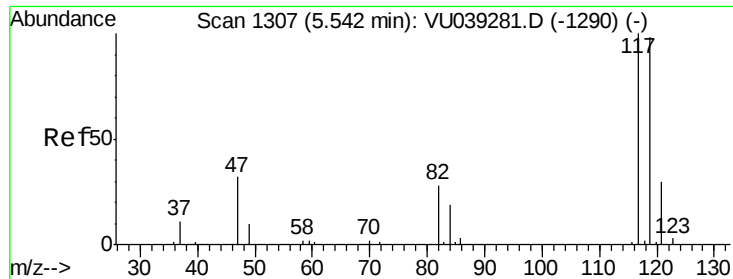
Tot Ion: 97 Resp: 73530
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 47.4 37.9 56.9



#30
 Cyclohexane
 Concen: 5.142 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 56 Resp: 74907
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.4
 84 81.9 67.0 100.4





#31

Carbon tetrachloride

Concen: 4.983 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

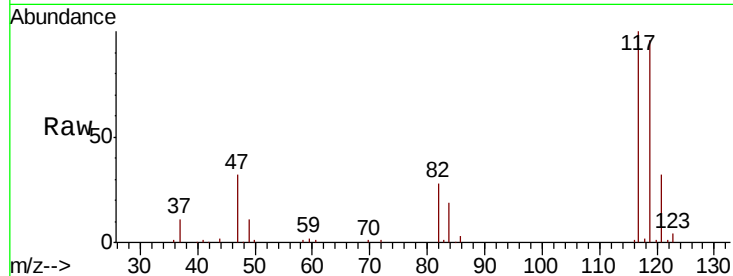
BFB25

Tot Ion:117 Resp: 60933

Ion Ratio Lower Upper

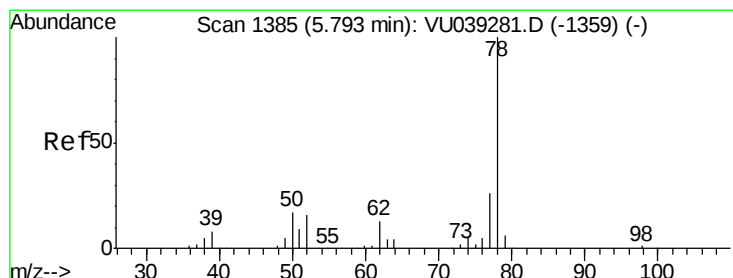
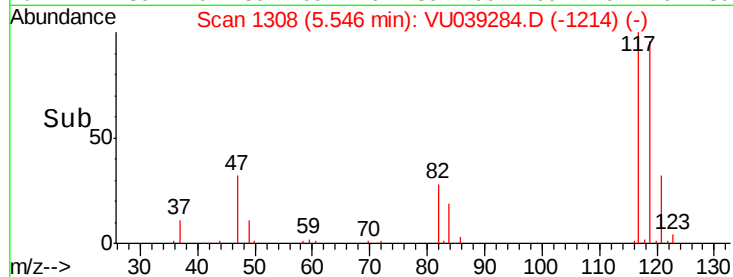
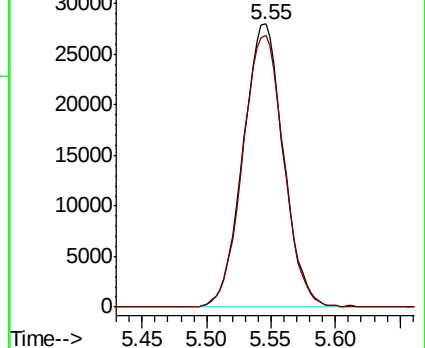
117 100

119 97.9 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.959 ug/L

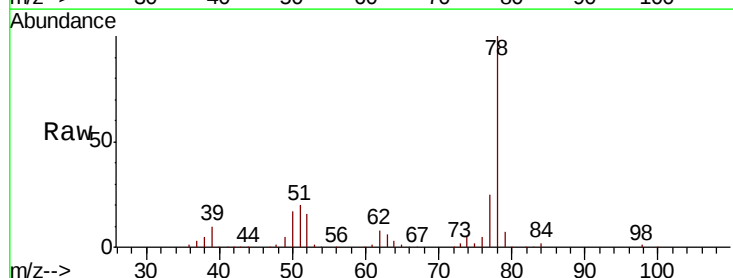
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Tgt Ion: 78 Resp: 176972



Abundance Ion 78.10 (77.80 to 78.80): VU0

100000

80000

60000

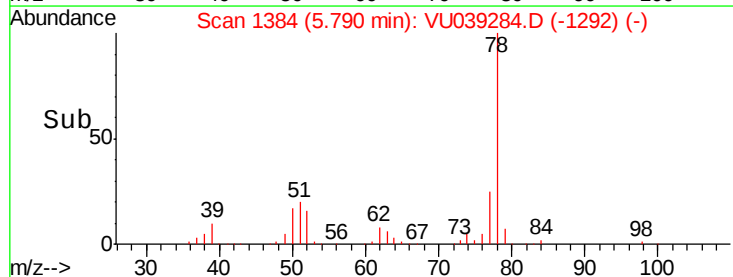
40000

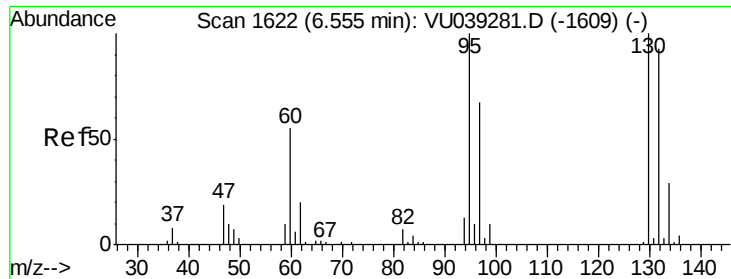
20000

0

Time-->

5.70 5.80 5.90

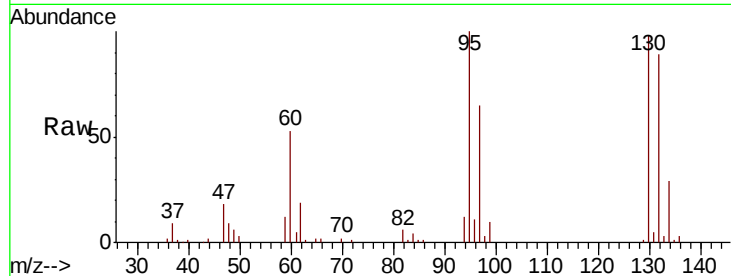




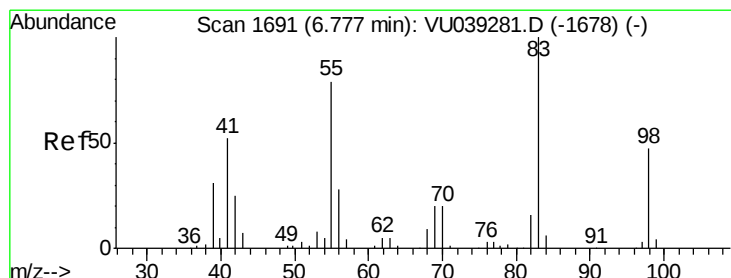
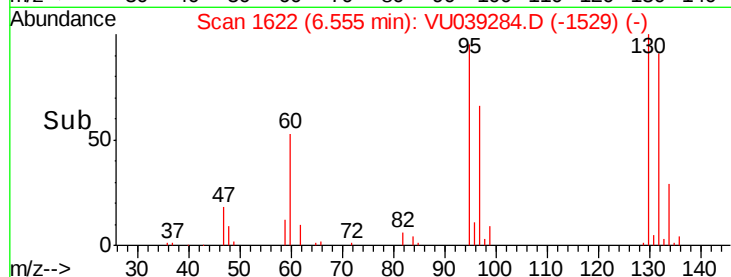
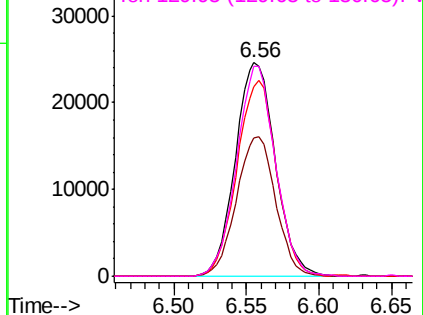
#34
 Trichloroethene
 Concen: 5.126 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

Tot Ion: 95 Resp: 47170
 Ion Ratio Lower Upper
 95 100
 97 64.9 47.0 87.2
 132 88.9 65.0 120.8
 130 98.1 69.8 129.6

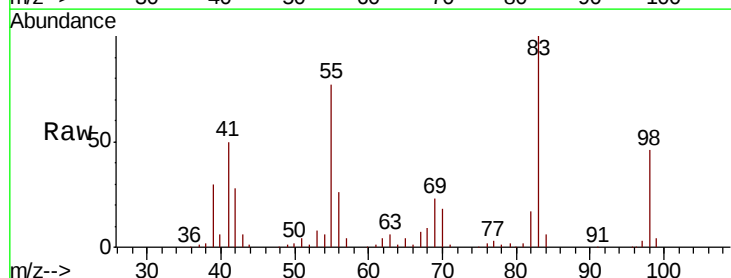


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

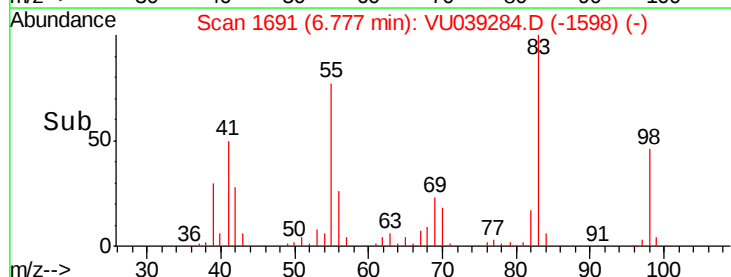
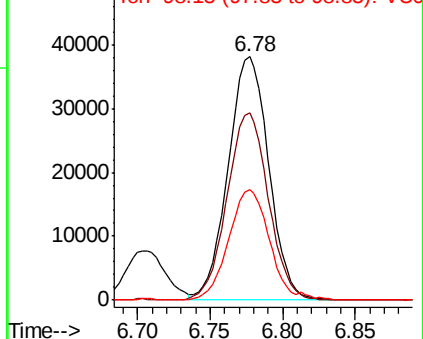


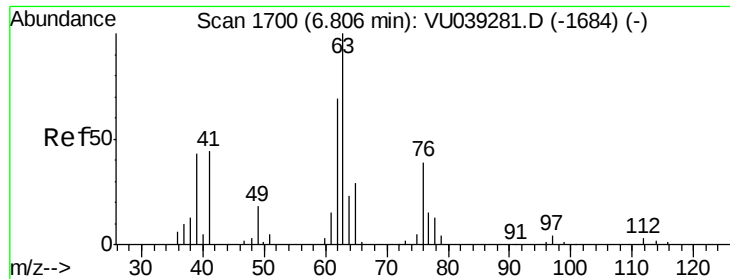
#35
 Methylcyclohexane
 Concen: 5.050 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 83 Resp: 74416
 Ion Ratio Lower Upper
 83 100
 55 78.1 63.3 94.9
 98 45.8 37.4 56.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.014 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

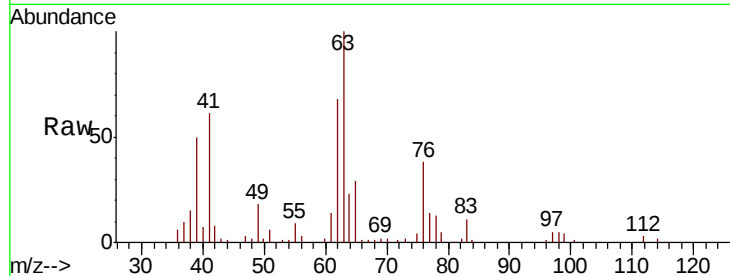
BFB25

Tot Ion: 63 Resp: 49920

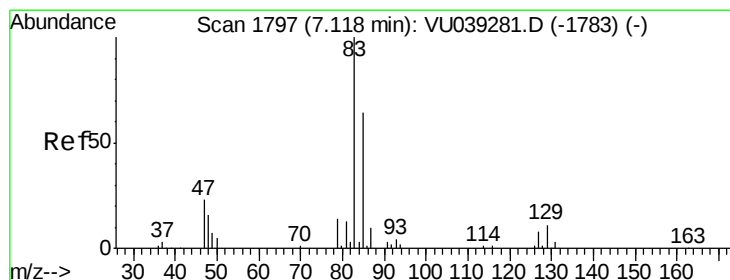
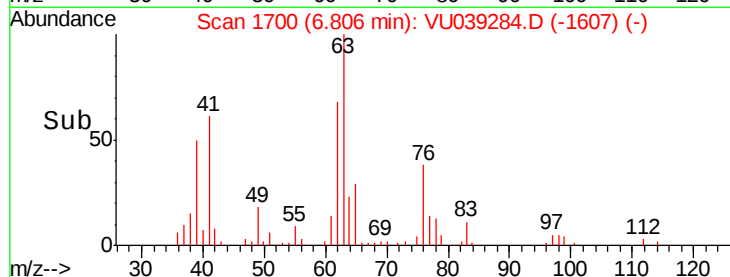
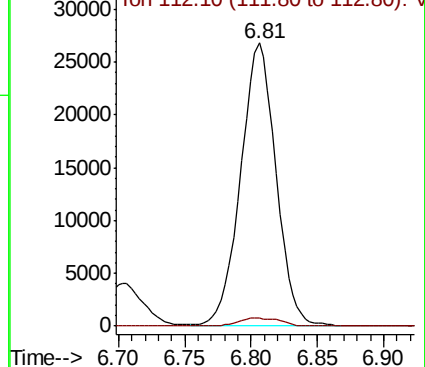
Ion Ratio Lower Upper

63 100

112 3.3 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VU039284.D (-1684) (-)



#38

Bromodichloromethane

Concen: 4.908 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

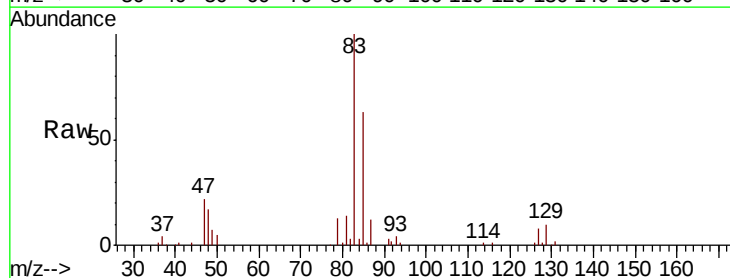
Tgt Ion: 83 Resp: 63713

Ion Ratio Lower Upper

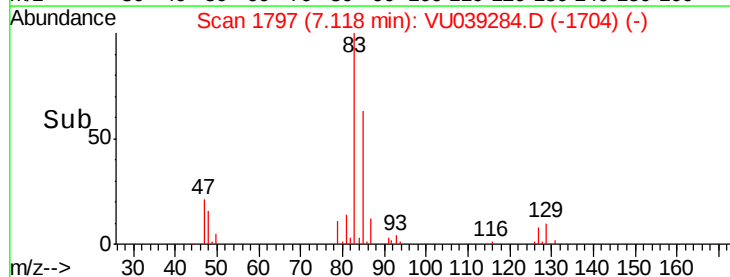
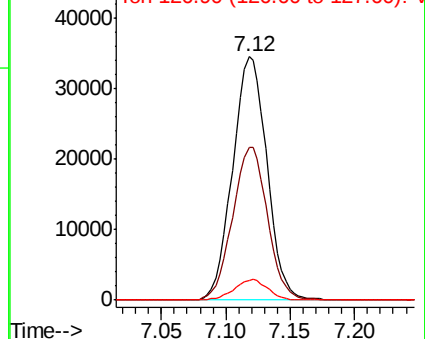
83 100

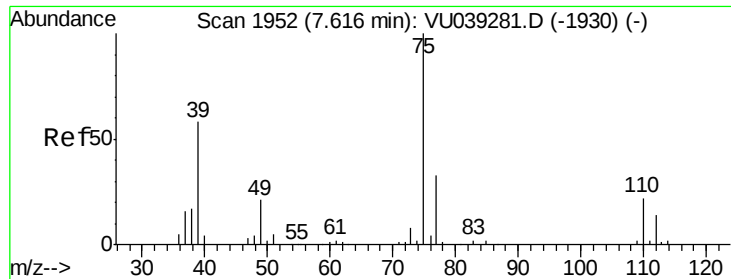
85 62.6 44.5 82.7

127 8.2 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU039284.D (-1783) (-)

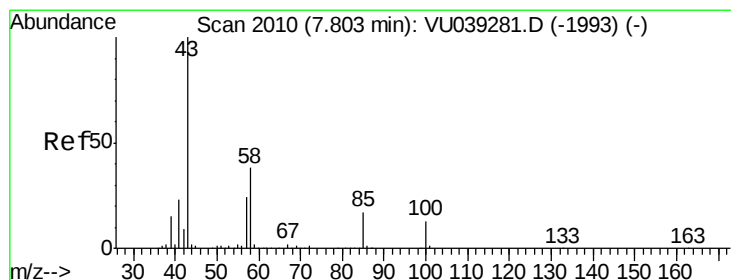
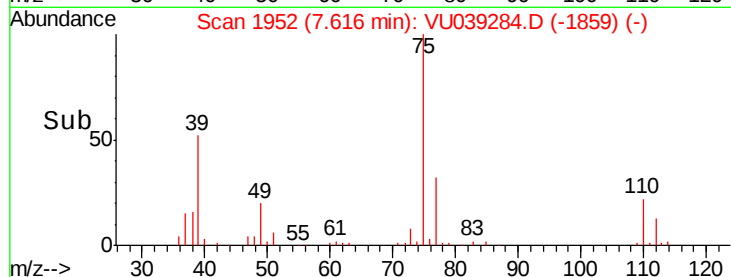
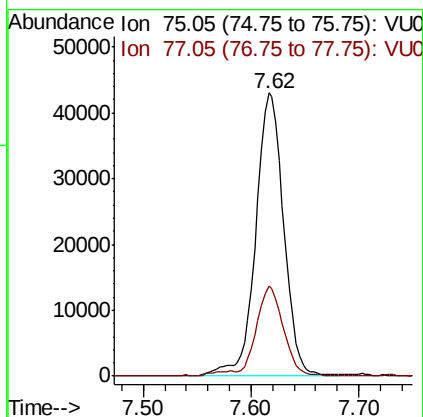
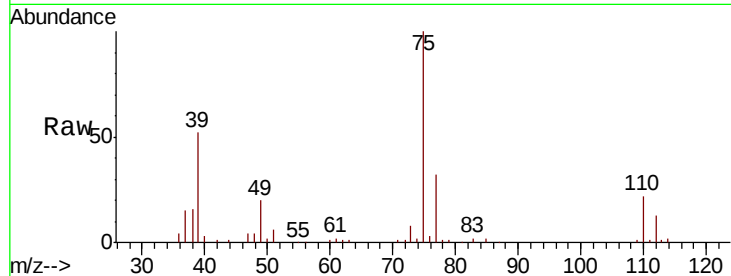




#39
 cis-1,3-Dichloropropene
 Concen: 5.014 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

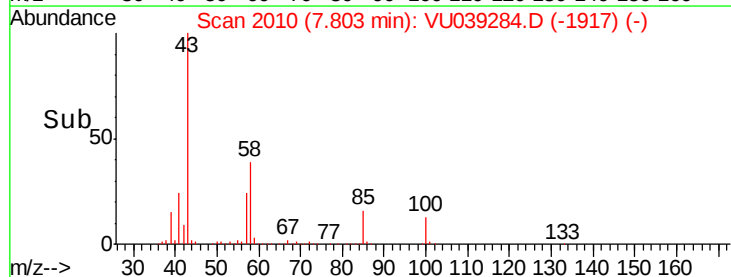
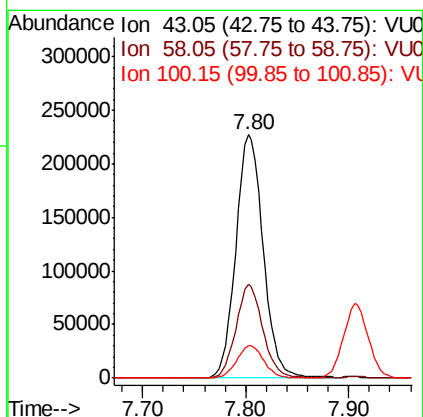
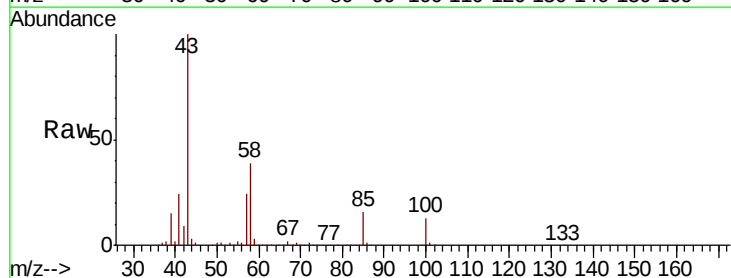
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

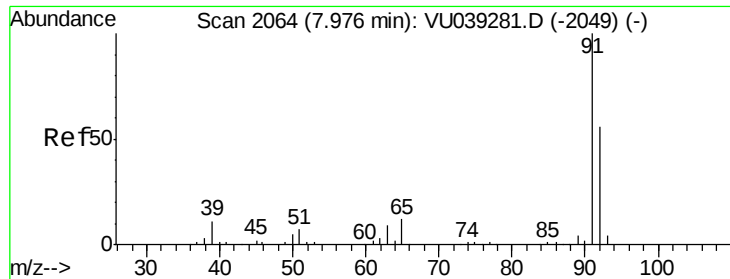
Tot Ion: 75 Resp: 77604
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.3 43.3



#40
 4-Methyl-2-pentanone
 Concen: 49.865 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 43 Resp: 420174
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.3 45.5
 100 13.2 10.6 15.8





#42

Toluene

Concen: 4.954 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

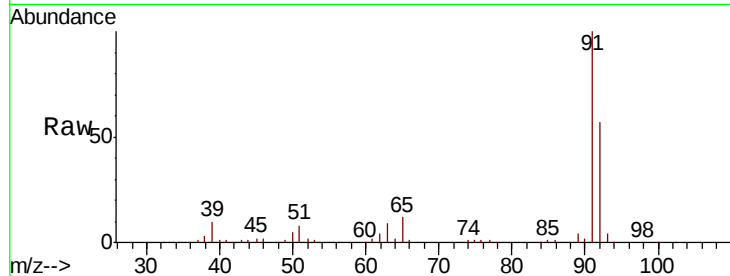
BFB25

Tot Ion: 91 Resp: 192448

Ion Ratio Lower Upper

91 100

92 57.0 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039284.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039284.D (-2049) (-)

7.98

120000

100000

80000

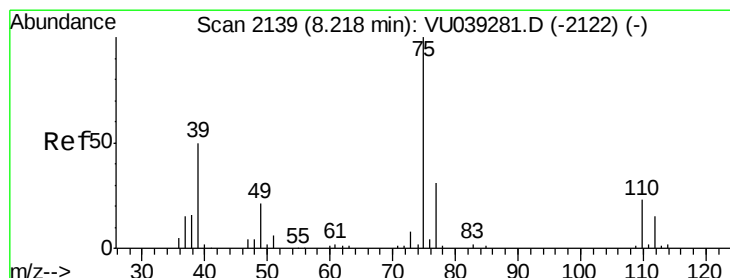
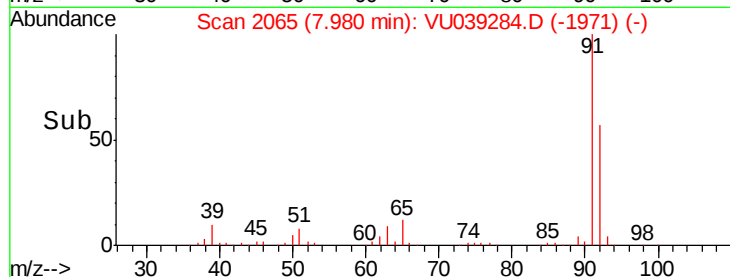
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.962 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039284.D

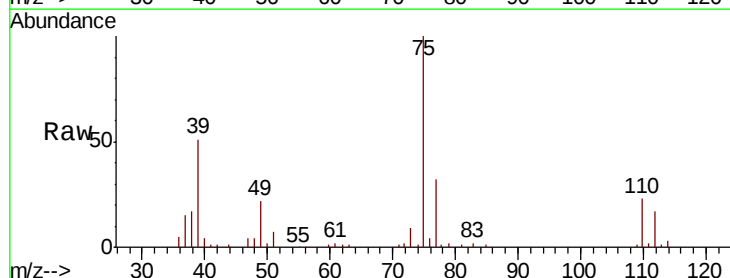
Acq: 06 Jul 2020 11:43

Tgt Ion: 75 Resp: 69168

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039284.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039284.D (-2046) (-)

8.22

40000

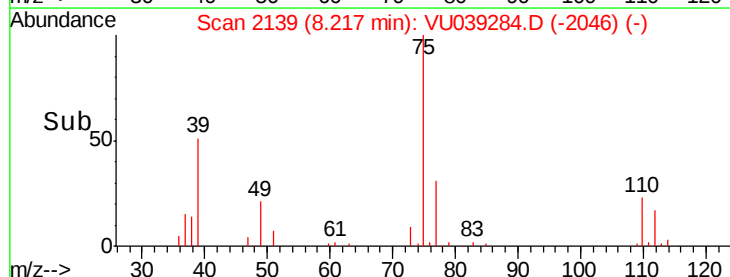
30000

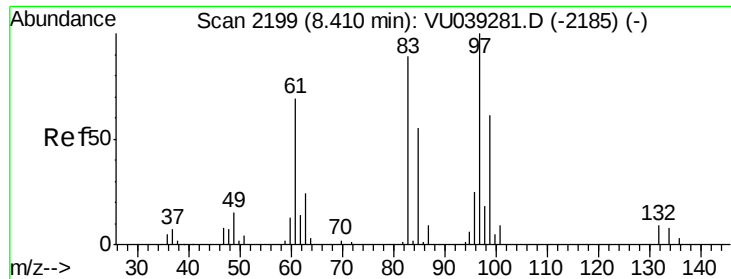
20000

10000

0

Time-->

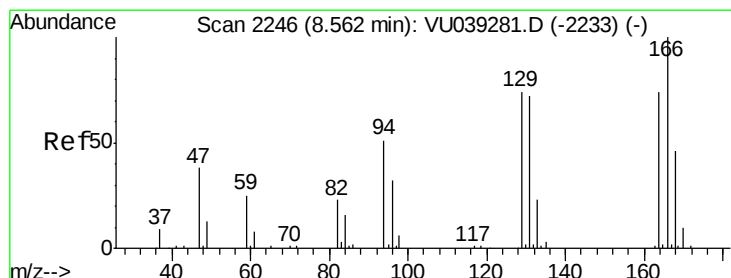
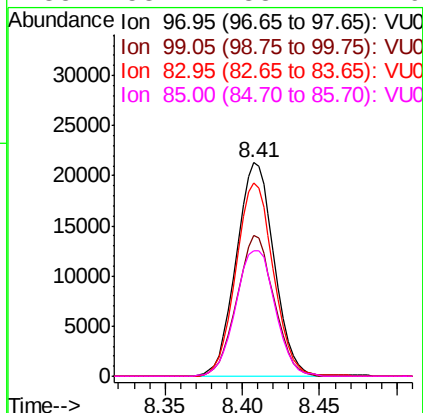
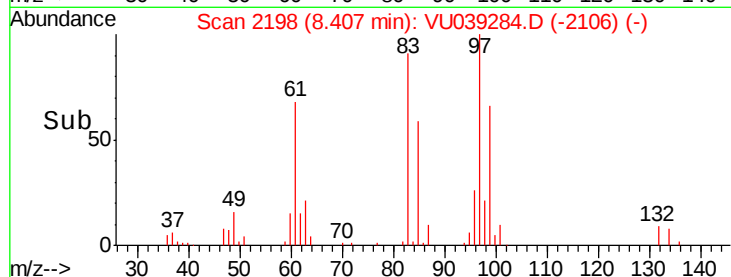
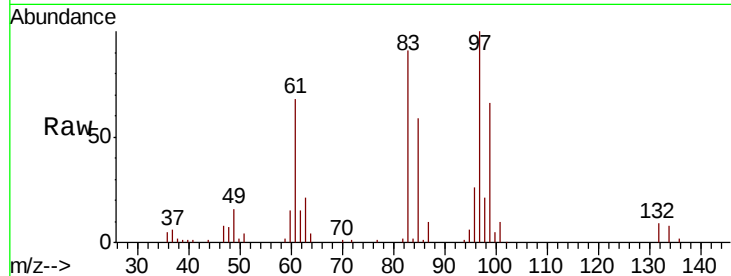




#45
 1,1,2-Trichloroethane
 Concen: 4.910 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

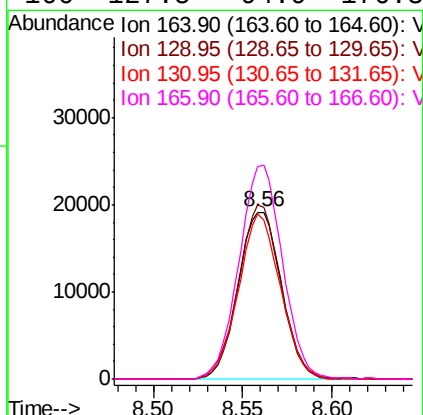
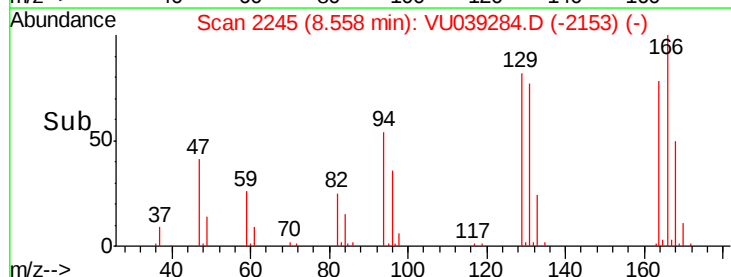
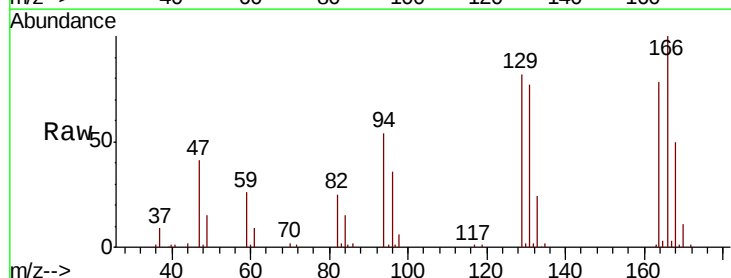
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

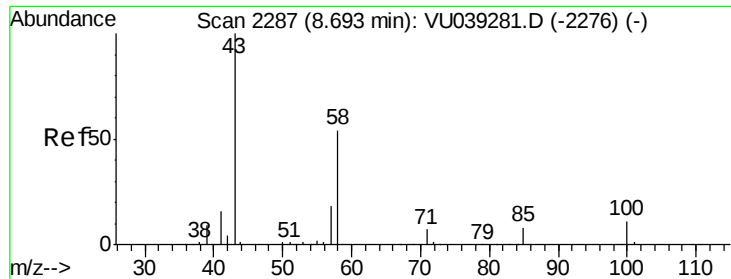
Tot Ion:	97	Resp:	36356
Ion	Ratio	Lower	Upper
97	100		
99	66.1	42.5	78.9
83	90.6	62.2	115.4
85	58.7	38.7	71.9



#47
 Tetrachloroethene
 Concen: 5.058 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion:	164	Resp:	32707
Ion	Ratio	Lower	Upper
164	100		
129	104.3	70.5	130.9
131	98.5	68.7	127.5
166	127.5	94.9	176.3

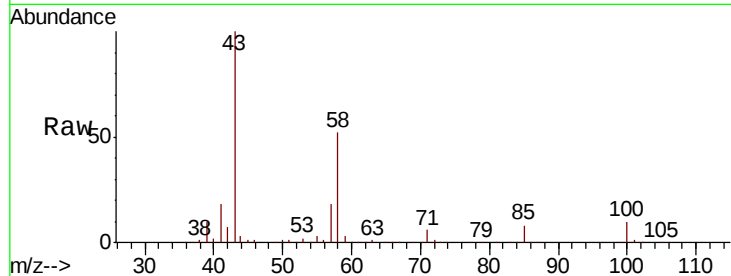




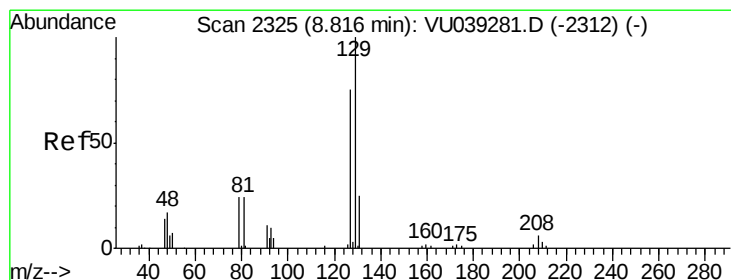
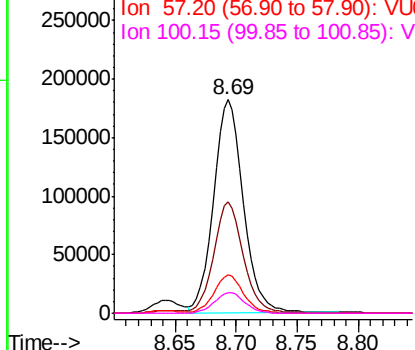
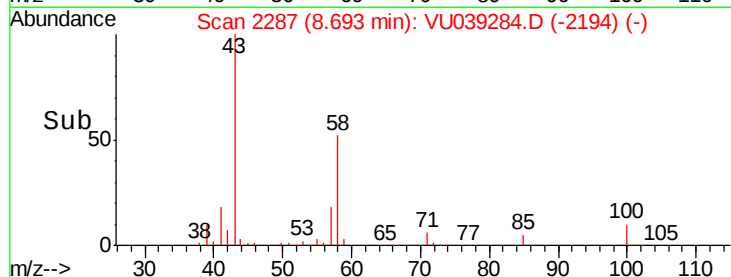
#48
2-Hexanone
Concen: 49.743 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Instrument :
MSVOA_U
ClientSampleId :
BFB25

Tot Ion: 43 Resp: 311714
Ion Ratio Lower Upper
43 100
58 52.0 43.1 64.7
57 17.9 14.4 21.6
100 10.0 8.3 12.5

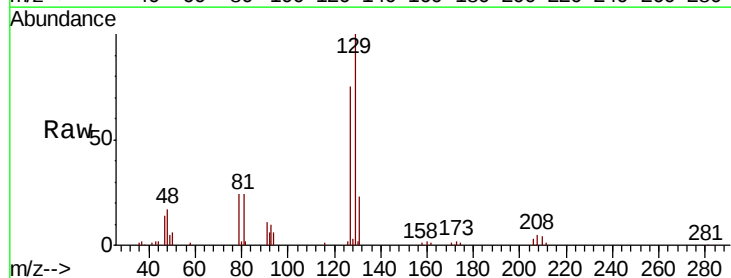


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

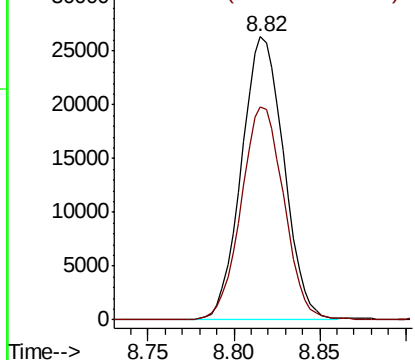
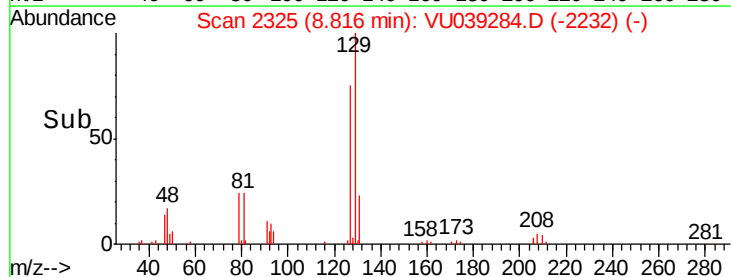


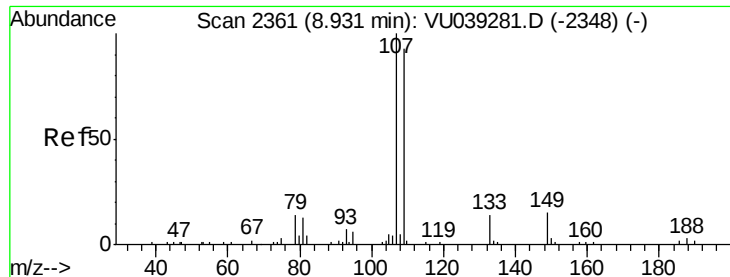
#49
Dibromochloromethane
Concen: 4.850 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Tgt Ion: 129 Resp: 45091
Ion Ratio Lower Upper
129 100
127 75.5 52.6 97.8



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

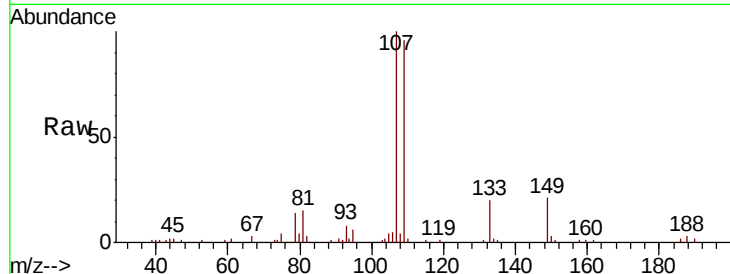




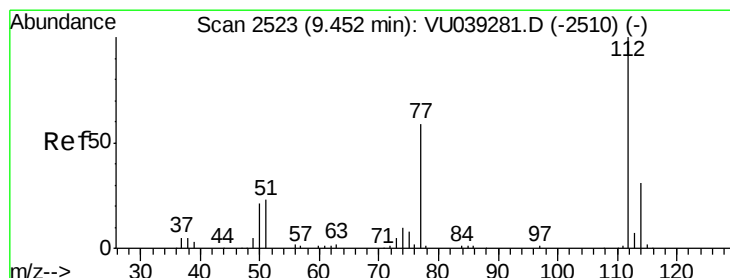
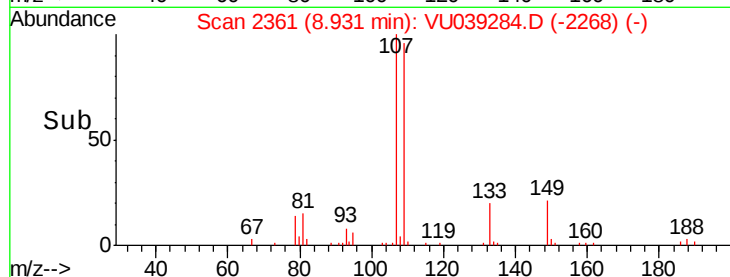
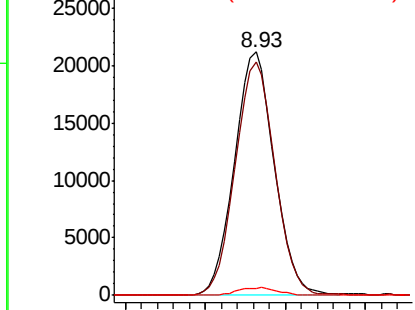
#50
1,2-Dibromoethane
Concen: 4.815 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Instrument :
MSVOA_U
ClientSampled :
BFB25

Tot Ion:107 Resp: 35848
Ion Ratio Lower Upper
107 100
109 95.8 64.8 120.4
188 2.9 2.7 4.1

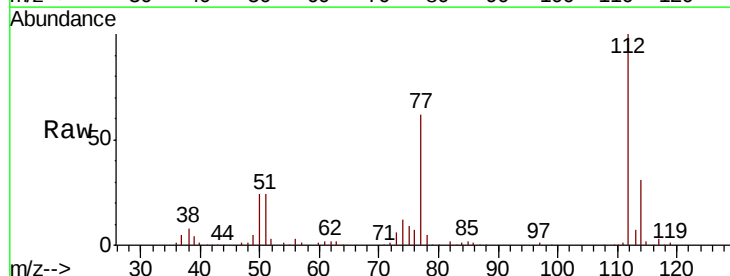


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

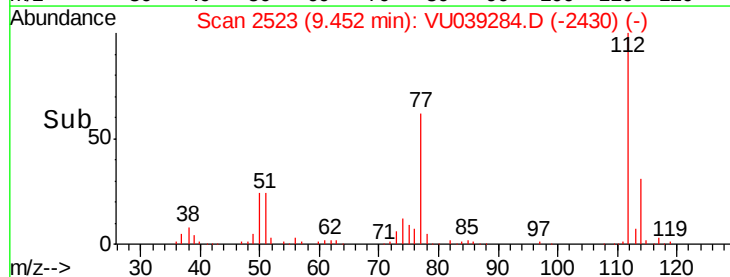
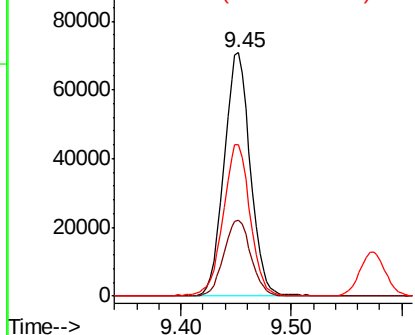


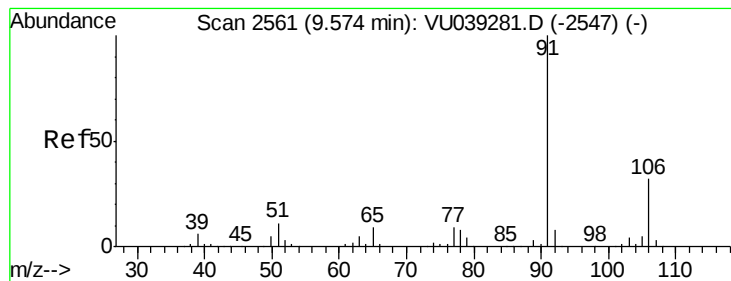
#51
Chlorobenzene
Concen: 4.871 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Tgt Ion:112 Resp: 117014
Ion Ratio Lower Upper
112 100
114 31.2 21.9 40.7
77 62.0 48.2 72.4



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





#52

Ethylbenzene

Concen: 4.986 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

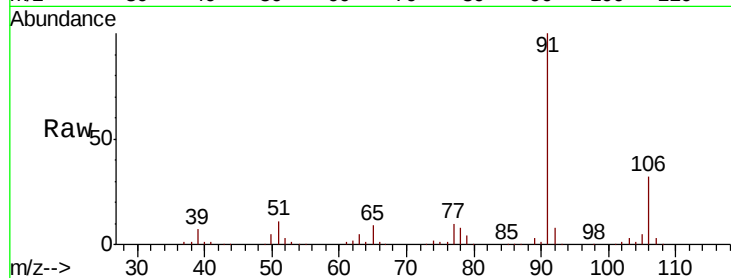
BFB25

Tot Ion: 91 Resp: 21547

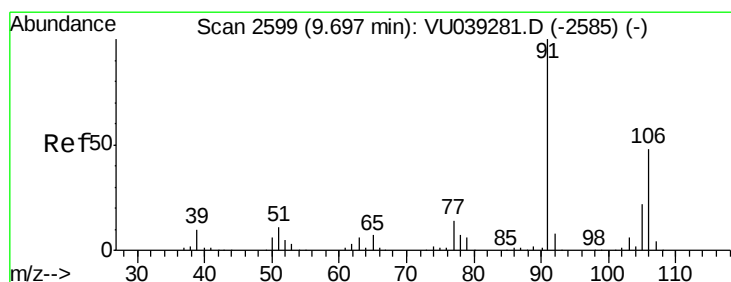
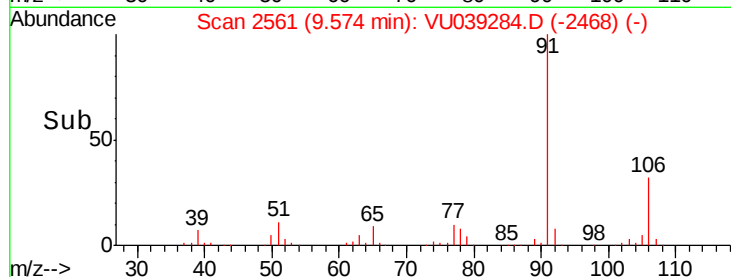
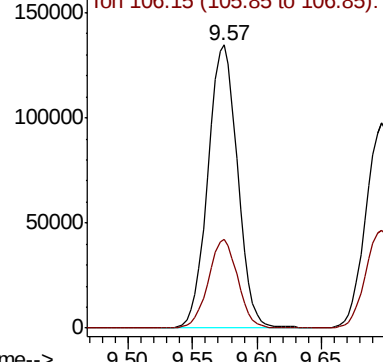
Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU039284.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.855 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039284.D

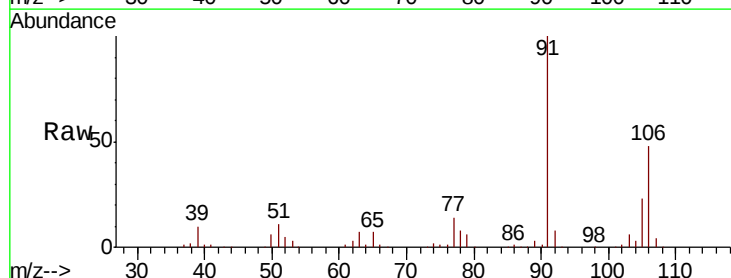
Acq: 06 Jul 2020 11:43

Tgt Ion: 106 Resp: 79178

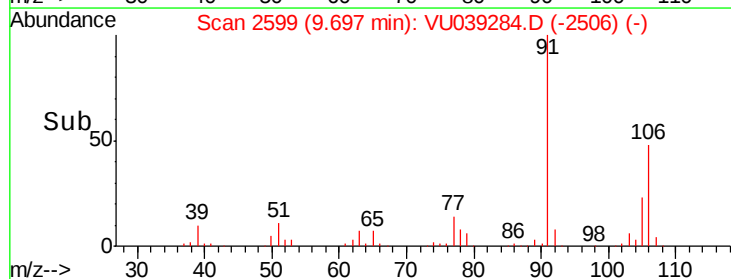
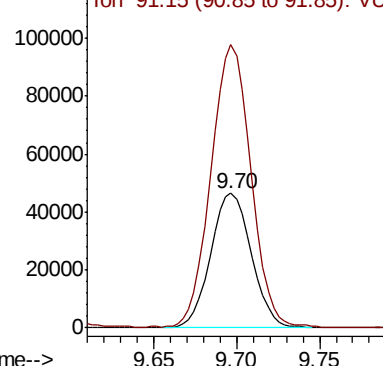
Ion Ratio Lower Upper

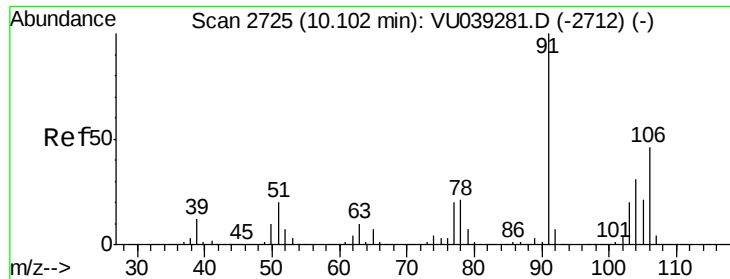
106 100

91 210.1 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039284.D (-2599) (-)

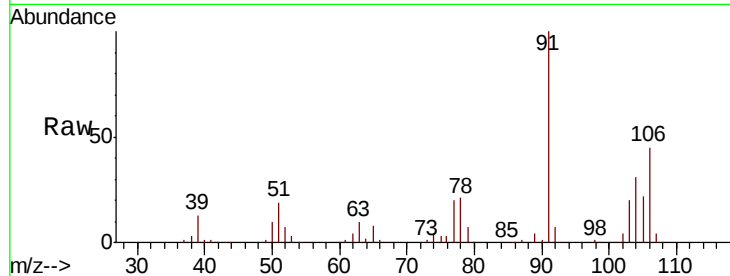




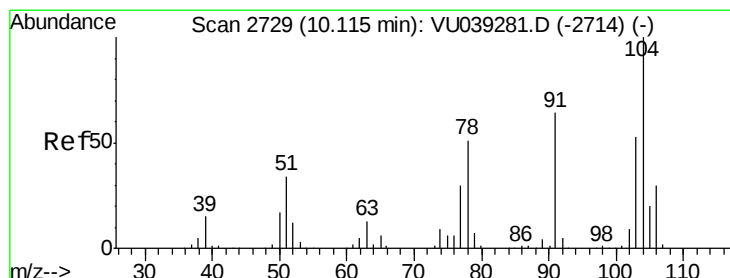
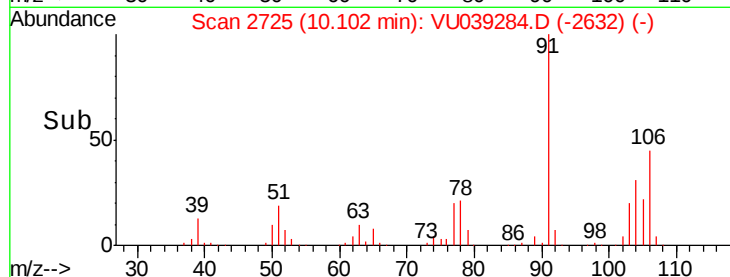
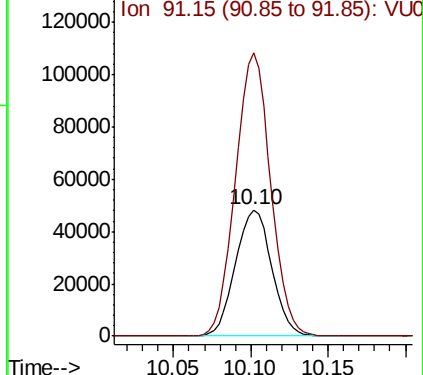
#54
o-Xylene
Concen: 4.887 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Instrument :
MSVOA_U
ClientSampled :
BFB25

Tot Ion:106 Resp: 79007
Ion Ratio Lower Upper
106 100
91 224.2 153.6 285.3

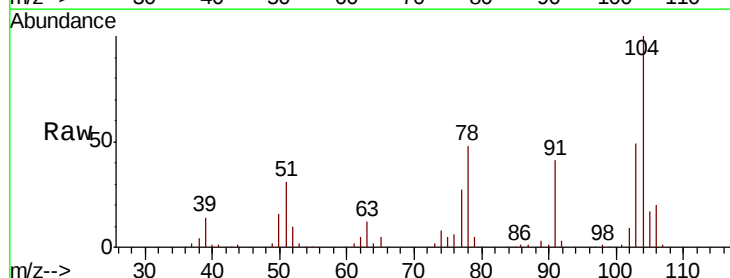


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

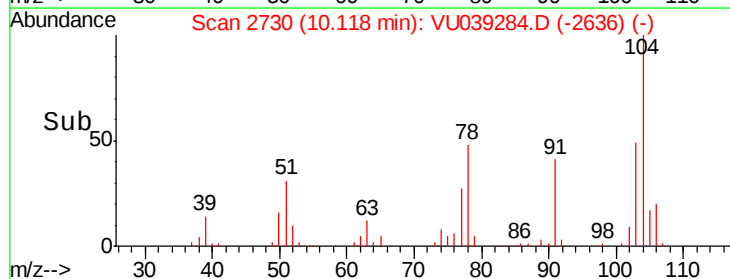
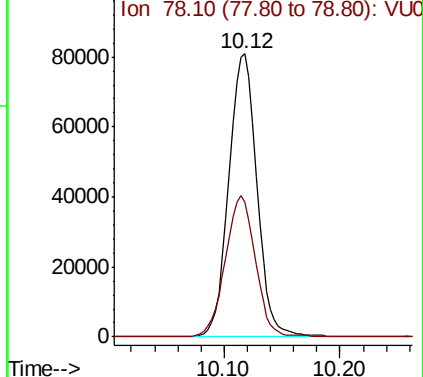


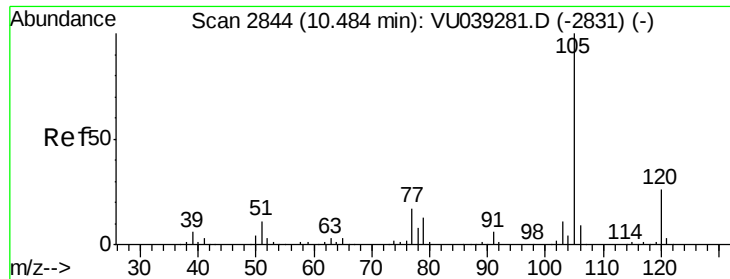
#55
Styrene
Concen: 4.786 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039284.D
Acq: 06 Jul 2020 11:43

Tgt Ion:104 Resp: 135292
Ion Ratio Lower Upper
104 100
78 47.5 35.5 65.9



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





#56

Isopropylbenzene

Concen: 4.766 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

BFB25

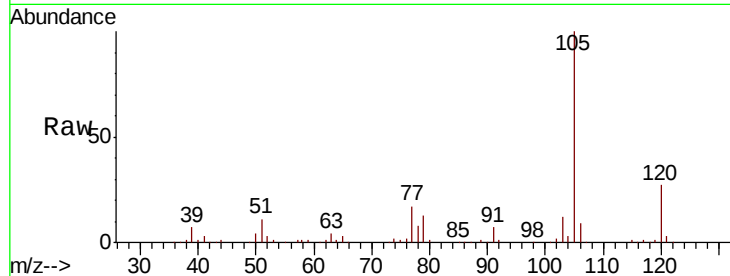
Tot Ion:105 Resp: 208660

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

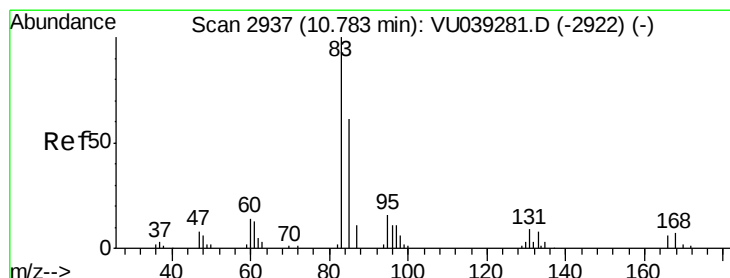
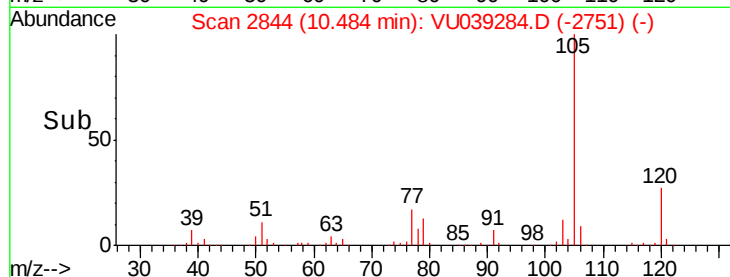
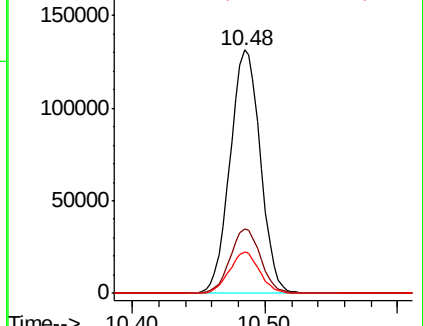
77 16.9 13.7 20.5



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: 4.859 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

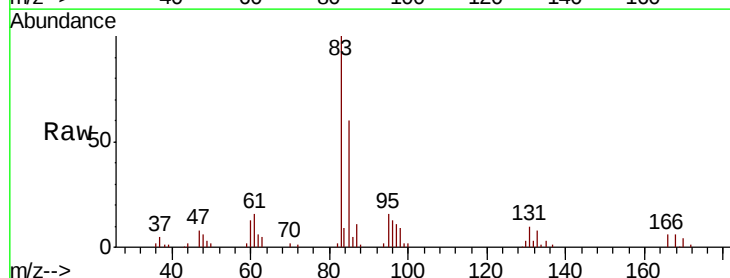
Tgt Ion: 83 Resp: 50828

Ion Ratio Lower Upper

83 100

85 60.5 43.0 79.8

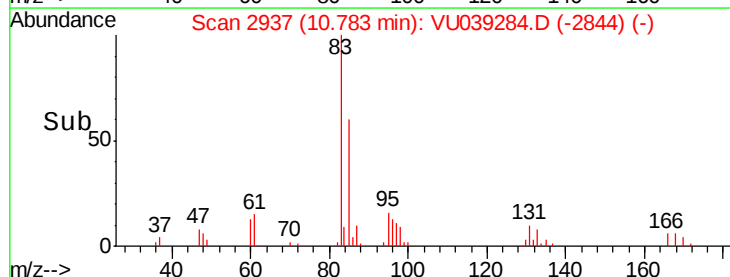
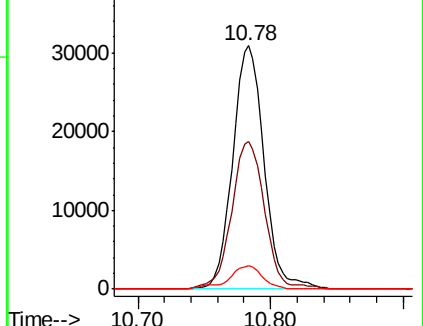
131 9.6 7.4 11.2

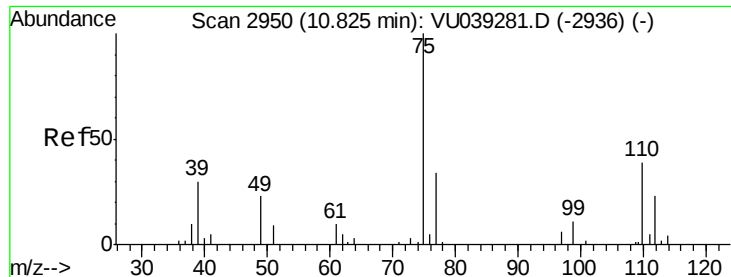


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

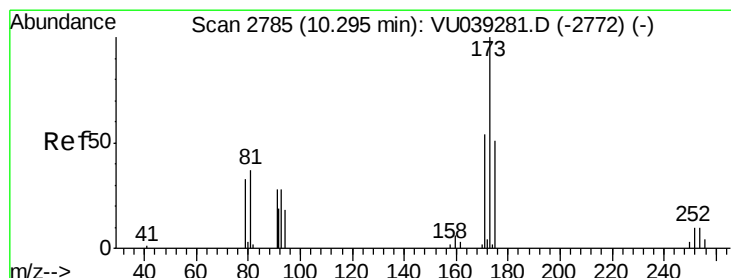
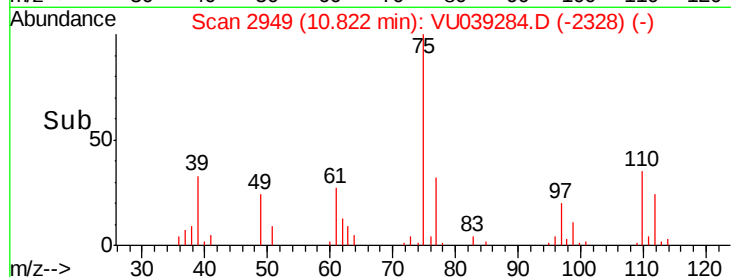
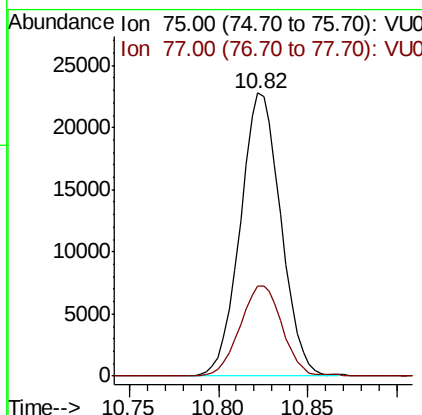
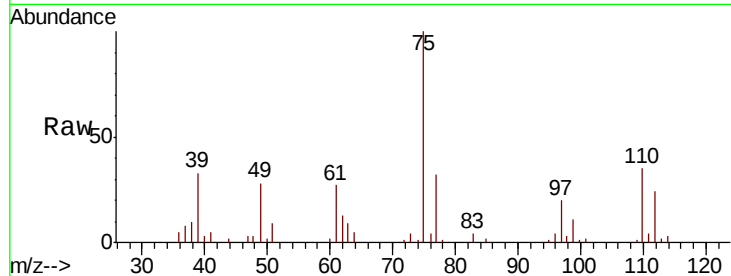




#59
 1,2,3-Trichloropropane
 Concen: 4.844 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

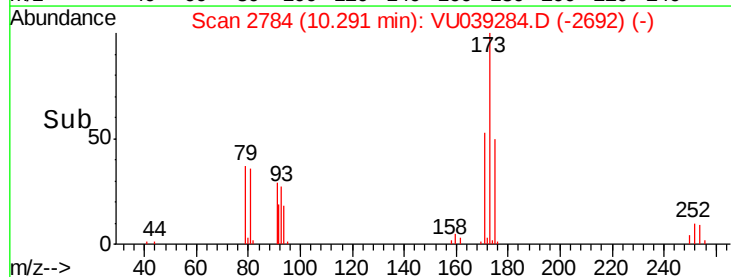
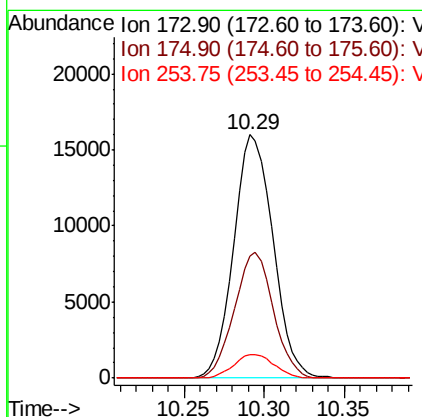
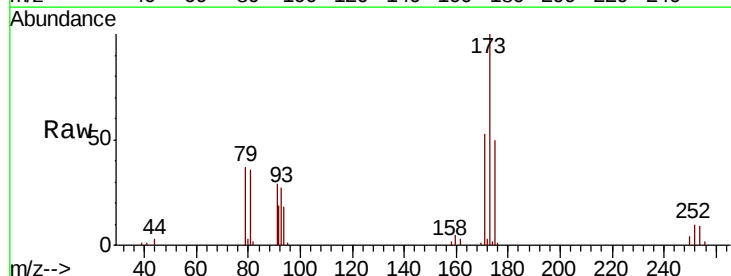
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

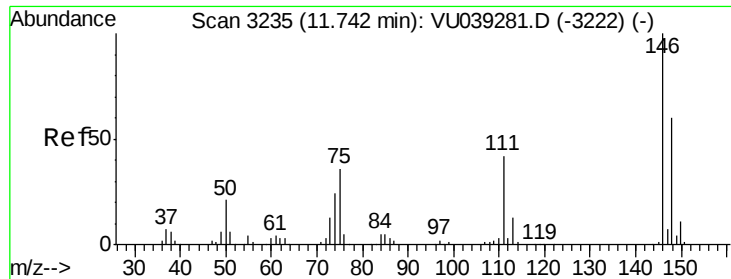
Tot Ion: 75 Resp: 36247
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.7 41.5



#61
 Bromoform
 Concen: 4.874 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion: 173 Resp: 26794
 Ion Ratio Lower Upper
 173 100
 175 50.9 39.3 58.9
 254 9.8 7.1 10.7

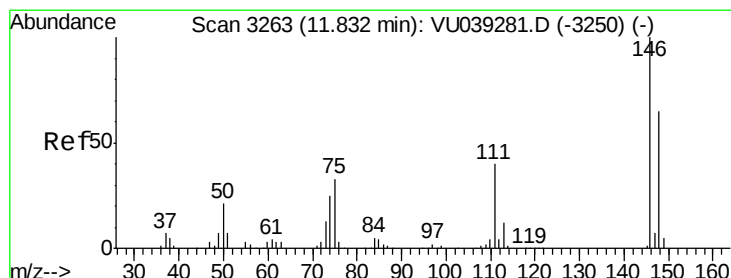
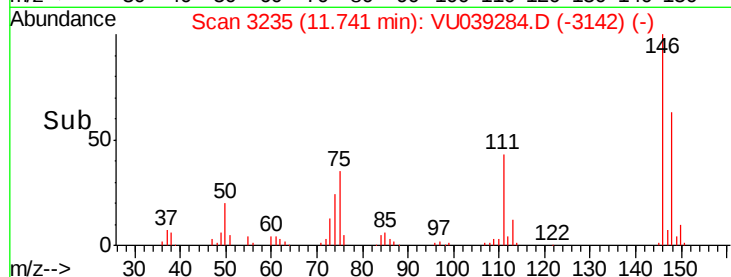
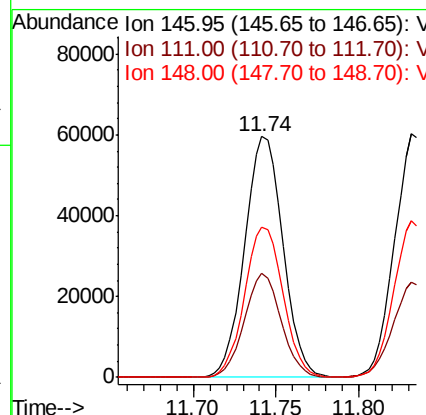
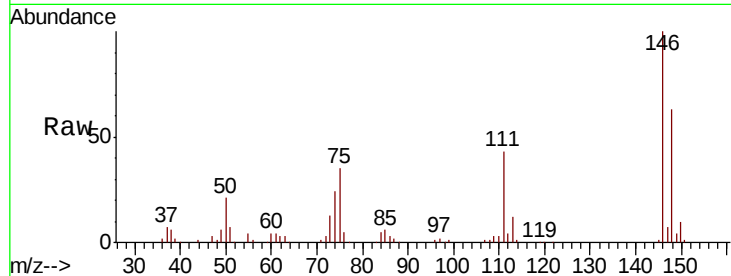




#62
 1,3-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

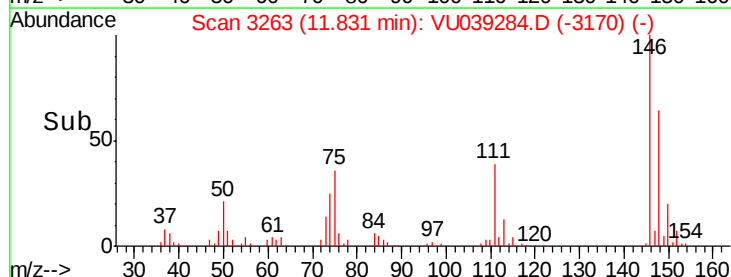
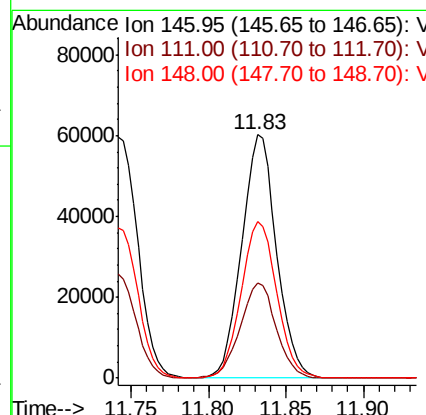
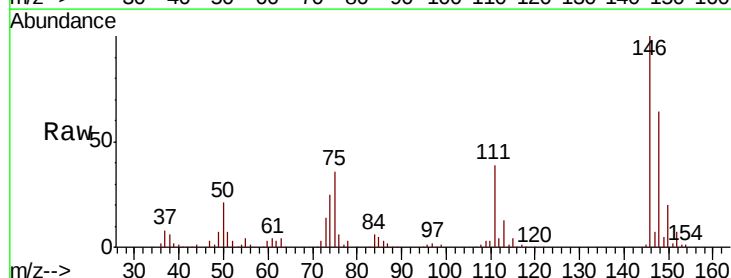
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

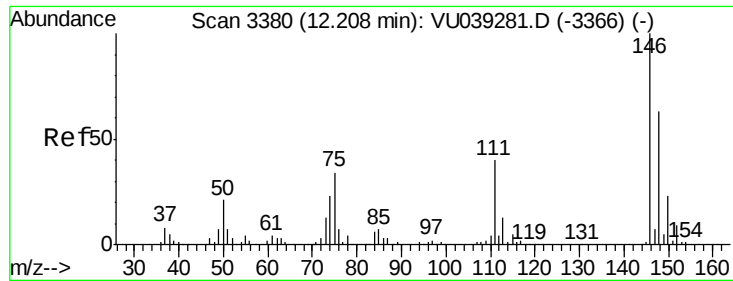
Tot Ion:146 Resp: 95737
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.4 54.6
 148 62.6 42.0 78.0



#63
 1,4-Dichlorobenzene
 Concen: 4.950 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion:146 Resp: 94213
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.3 52.5
 148 64.2 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 5.013 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

BFB25

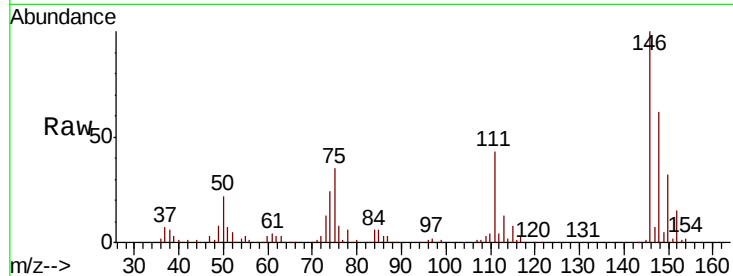
Tot Ion:146 Resp: 95149

Ion Ratio Lower Upper

146 100

111 42.5 31.9 47.9

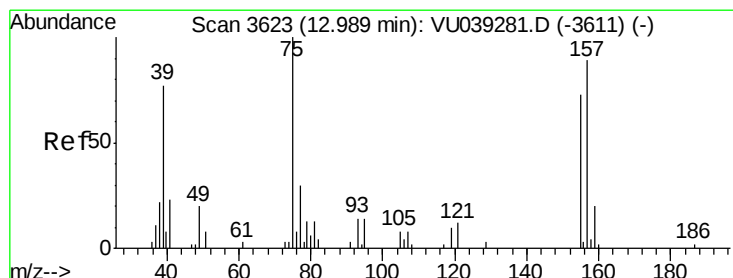
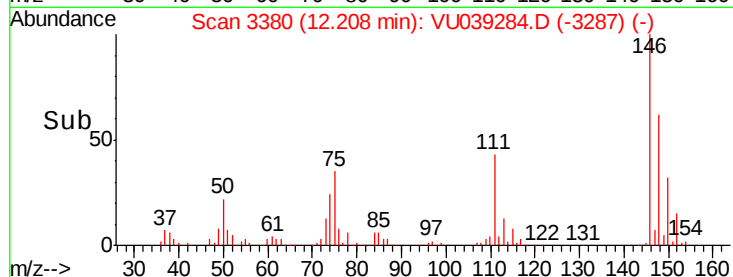
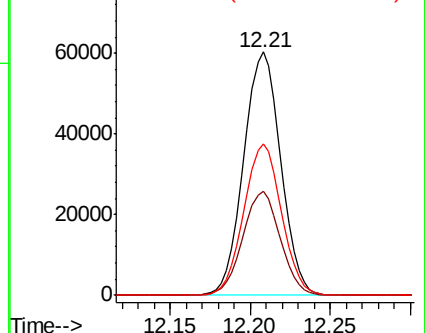
148 62.4 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.526 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

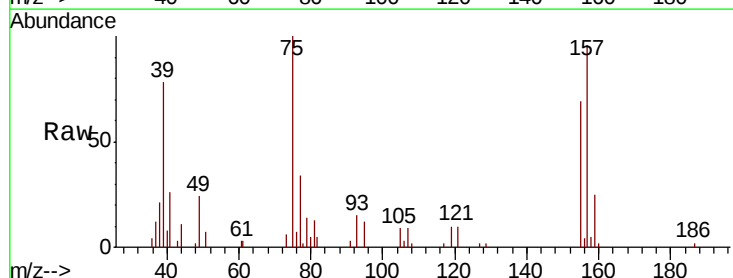
Tgt Ion: 75 Resp: 10462

Ion Ratio Lower Upper

75 100

155 69.3 58.6 88.0

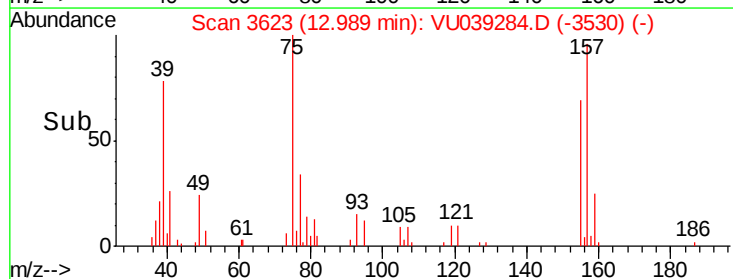
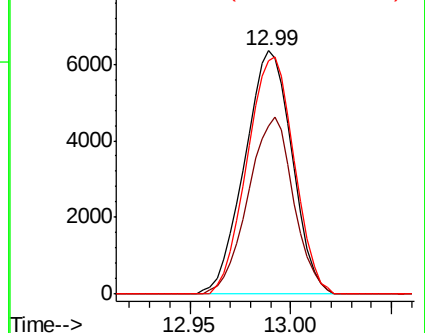
157 95.7 71.4 107.0

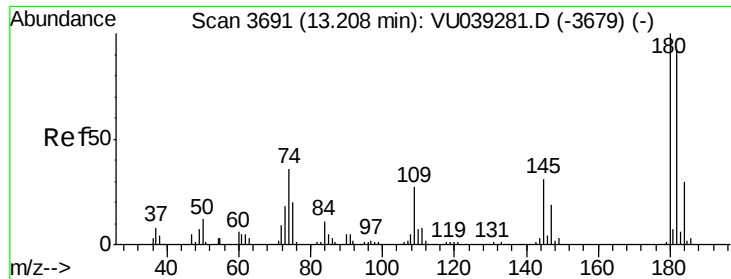


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

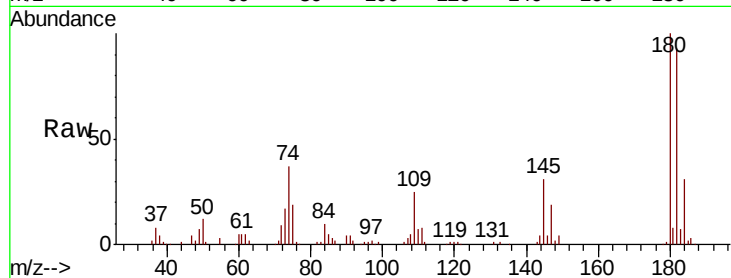




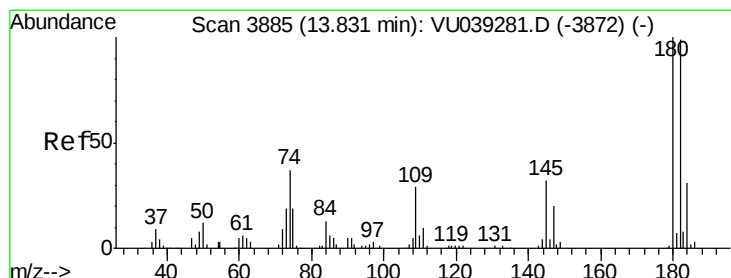
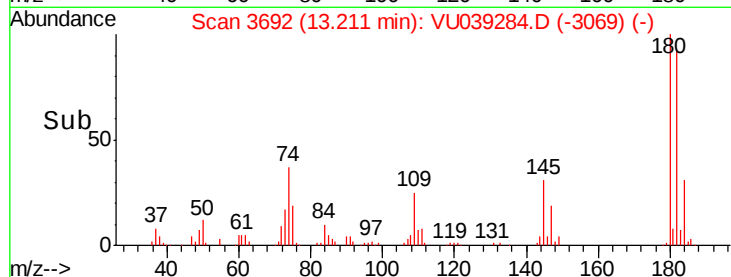
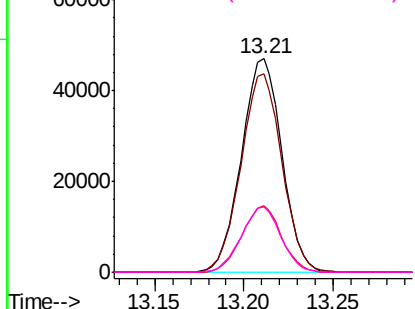
#67
 1,3,5-Trichlorobenzene
 Concen: 5.223 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB25

Tot Ion:180 Resp: 74359
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.7 112.1
 184 30.3 23.7 35.5
 145 30.0 24.2 36.4

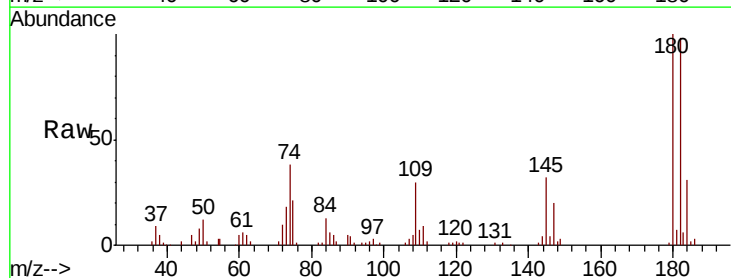


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

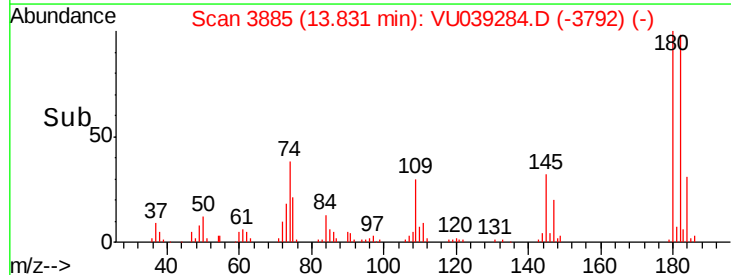
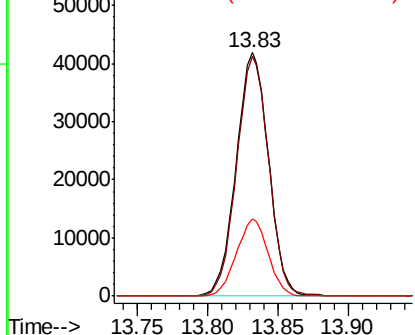


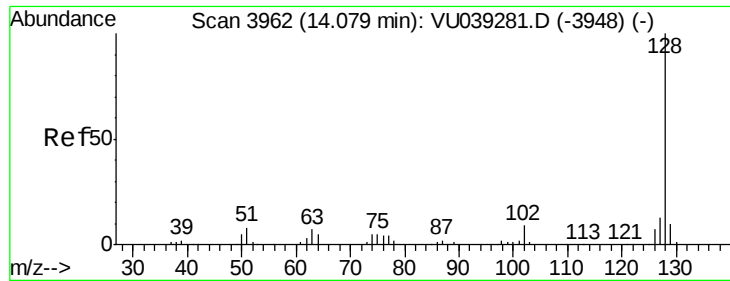
#68
 1,2,4-trichlorobenzene
 Concen: 5.460 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039284.D
 Acq: 06 Jul 2020 11:43

Tgt Ion:180 Resp: 67216
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.6 116.4
 145 31.1 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.144 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

Instrument :

MSVOA_U

ClientSampleId :

BFB25

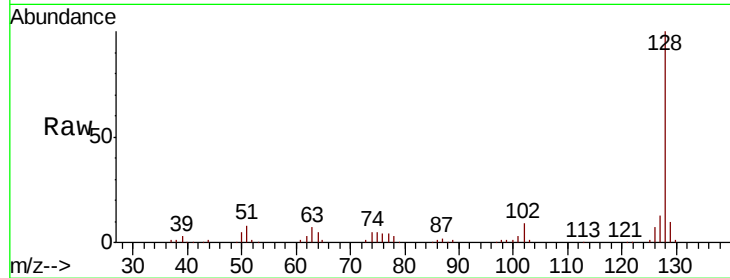
Tot Ion:128 Resp: 144993

Ion Ratio Lower Upper

128 100

129 10.3 8.3 12.5

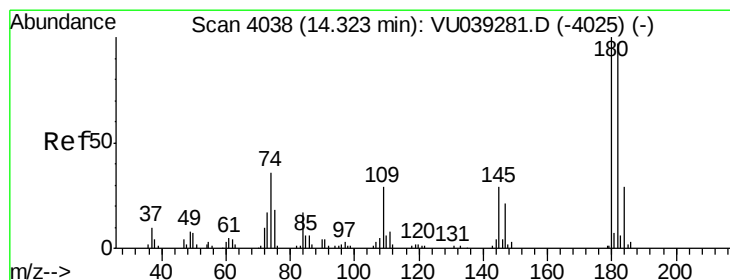
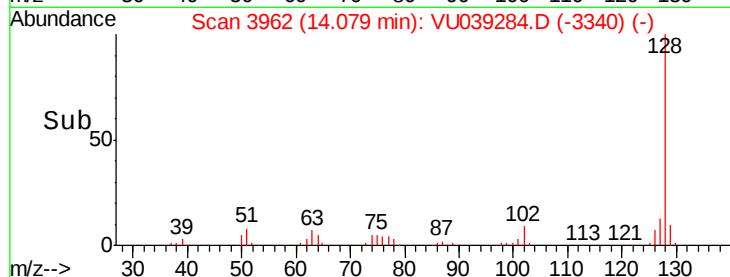
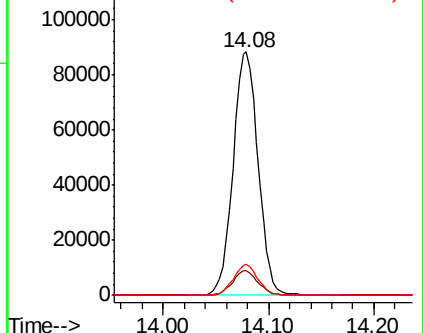
127 12.5 10.7 16.1



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: 5.529 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. -0.00 min

Lab File: VU039284.D

Acq: 06 Jul 2020 11:43

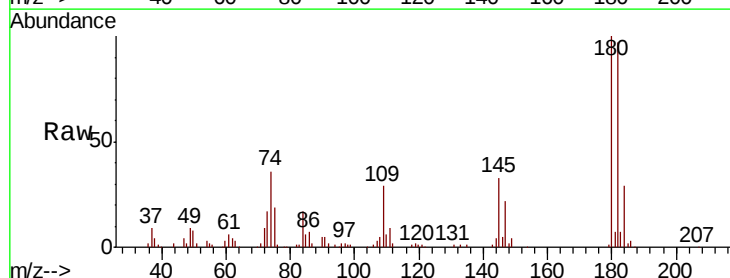
Tgt Ion:180 Resp: 62066

Ion Ratio Lower Upper

180 100

182 97.8 77.8 116.6

145 33.4 25.7 38.5



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

