

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040720\
 Data File : VU037605.D
 Acq On : 07 Apr 2020 14:46
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Apr 08 02:28:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 08 02:25:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	156890	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	150193	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	73296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62239	48.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.70%
7) Chloroethane-d5	1.93	69	50676	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.59	63	108843	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
21) 2-Butanone-d5	4.66	46	104559	109.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	5.11	84	113351	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	74990	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.22%
32) Benzene-d6	5.76	84	222419	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
36) 1,2-Dichloropropane-d6	6.73	67	77049	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.92	98	211404	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%
43) trans-1,3-Dichloropropene-	8.20	79	41540	52.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.46%
47) 2-Hexanone-d5	8.66	63	77768	100.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112369	53.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.32%
64) 1,2-Dichlorobenzene-d4	12.21	152	78333	52.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	52873	52.129 ug/L	99
3) Chloromethane	1.54	50	51865	48.207 ug/L	98
5) Vinyl chloride	1.62	62	56100	52.511 ug/L	97
6) Bromomethane	1.87	94	31615	60.001 ug/L	98
8) Chloroethane	1.95	64	33107	52.543 ug/L	100
9) Trichlorofluoromethane	2.16	101	82180	54.218 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	49040	56.724 ug/L	98
12) 1,1-Dichloroethene	2.60	96	46134	54.972 ug/L	89
13) Acetone	2.65	43	66046	119.309 ug/L	98
14) Carbon disulfide	2.82	76	116553	48.079 ug/L	100
15) Methyl Acetate	2.98	43	72109	57.484 ug/L	98
16) Methylene chloride	3.08	84	57278	56.267 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	47490	52.551 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	186114	58.752 ug/L	99
19) 1,1-Dichloroethane	3.91	63	97938	55.314 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	57439	55.194 ug/L	100
22) 2-Butanone	4.74	43	104740	115.923 ug/L	98

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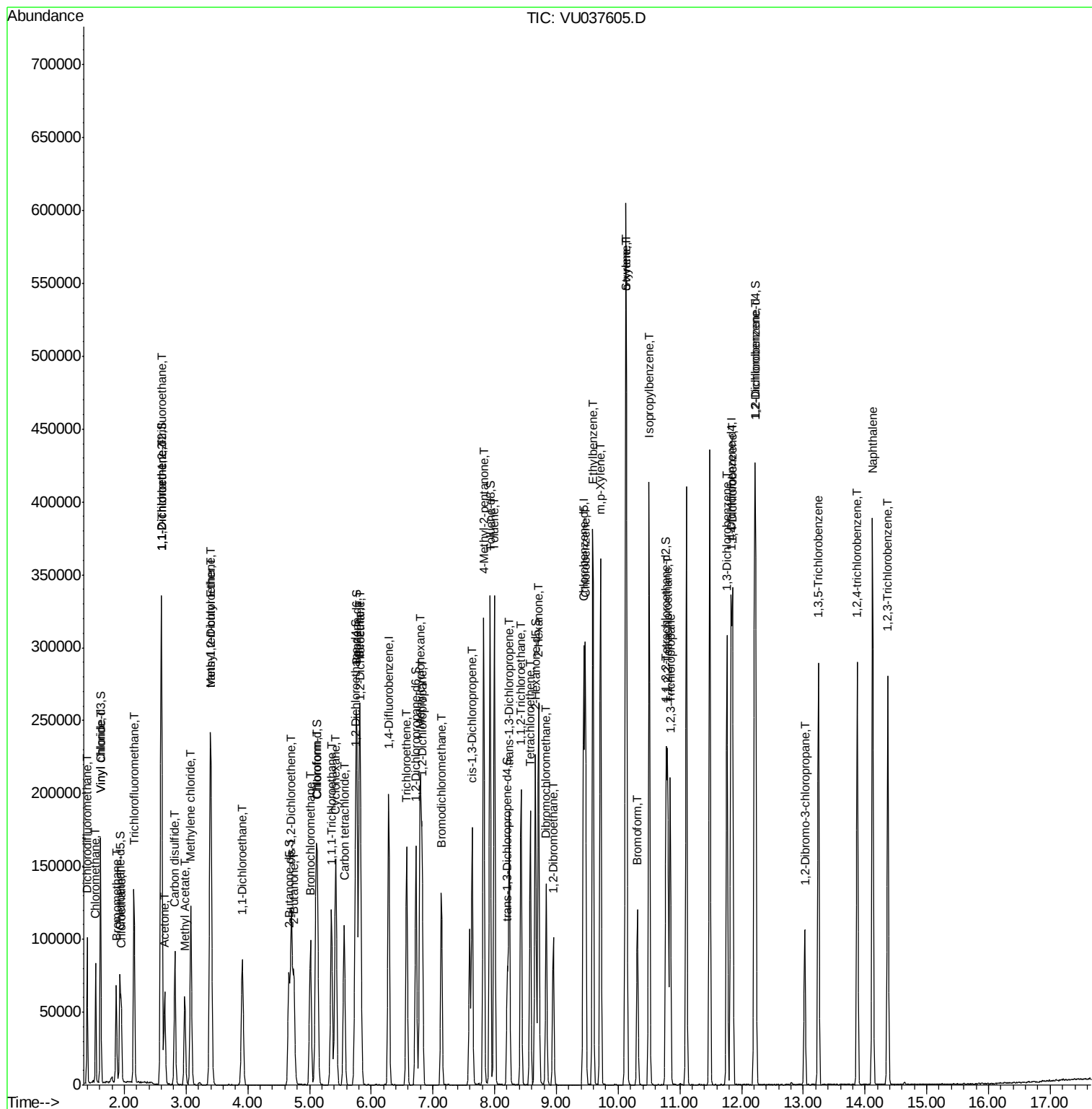
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	29018	58.094	ug/L	98
25) Chloroform	5.13	83	101984	55.245	ug/L	95
27) 1,2-Dichloroethane	5.83	62	82030	57.577	ug/L	97
29) Cyclohexane	5.42	56	83016	52.741	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	86663	54.434	ug/L	99
31) Carbon tetrachloride	5.56	117	69849	53.306	ug/L	98
33) Benzene	5.81	78	215640	54.795	ug/L	100
34) Trichloroethene	6.57	95	54786	53.241	ug/L	98
35) Methylcyclohexane	6.79	83	84436	53.107	ug/L	97
37) 1,2-Dichloropropane	6.83	63	62322	55.581	ug/L	98
38) Bromodichloromethane	7.14	83	83454	57.225	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	98180	56.060	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	210684	115.790	ug/L	99
42) Toluene	8.00	91	230526	54.131	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	98711	57.234	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	58535	57.177	ug/L	95
46) Tetrachloroethene	8.58	164	37326	54.023	ug/L	95
48) 2-Hexanone	8.71	43	163269	115.386	ug/L	98
49) Dibromochloromethane	8.83	129	65544	57.401	ug/L	98
50) 1,2-Dibromoethane	8.95	107	64130	56.960	ug/L	99
51) Chlorobenzene	9.47	112	146492	55.458	ug/L	98
52) Ethylbenzene	9.59	91	263147	54.640	ug/L	99
53) m,p-Xylene	9.72	106	97680	54.376	ug/L	99
54) o-xylene	10.12	106	96570	55.775	ug/L	97
55) Styrene	10.13	104	171880	56.064	ug/L	99
56) Isopropylbenzene	10.50	105	259838	55.351	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	109174	59.155	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	83606	58.001	ug/L	100
61) Bromoform	10.31	173	48838	58.287	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	115773	54.703	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	116403	54.495	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	116578	55.631	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	27798	55.303	ug/L	96
67) 1,3,5-Trichlorobenzene	13.25	180	81351	55.379	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	78167	55.818	ug/L	97
69) Naphthalene	14.12	128	299367	50.458	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	77767	54.970	ug/L	99

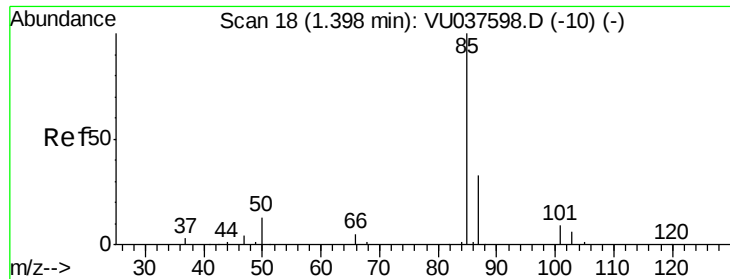
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.129 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

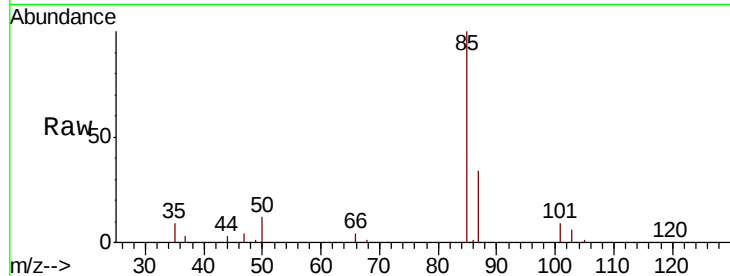
VSTD05039

Tot Ion: 85 Resp: 52873

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037605.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037605.D (-1) (-)

1.40

60000

50000

40000

30000

20000

10000

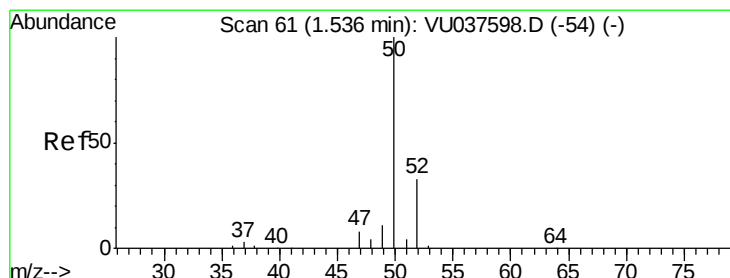
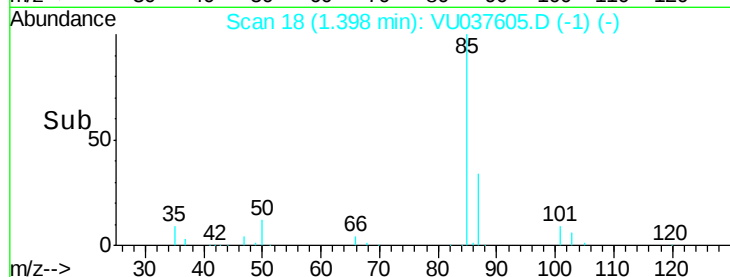
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Time-->

1.35

1.40

1.45



#3

Chloromethane

Concen: 48.207 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037605.D

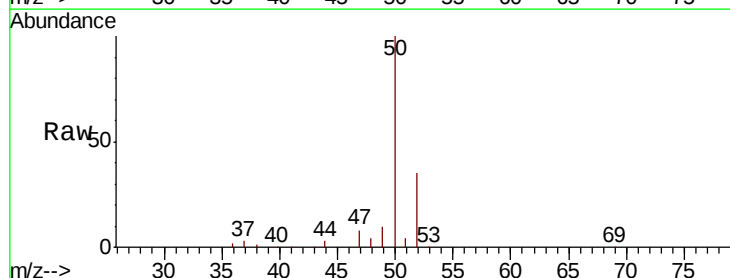
Acq: 07 Apr 2020 14:46

Tgt Ion: 50 Resp: 51865

Ion Ratio Lower Upper

50 100

52 34.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037605.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037605.D (-1) (-)

1.54

50000

40000

30000

20000

10000

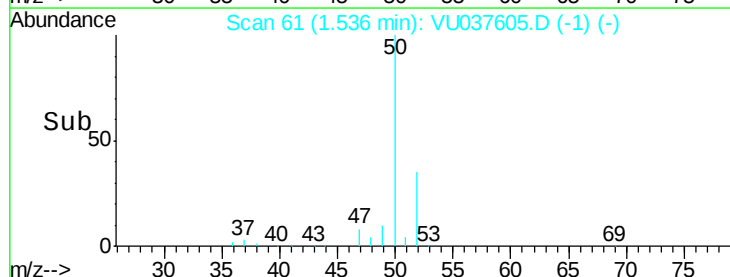
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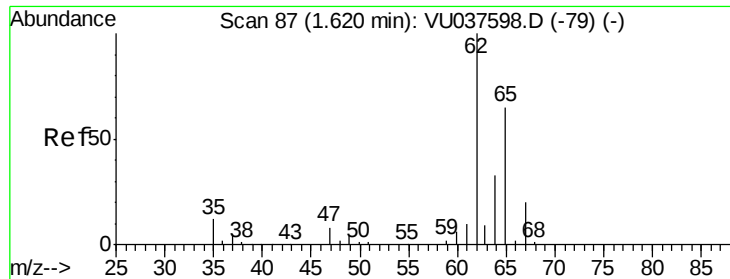
Time-->

1.50

1.55

1.60





#5

Vinyl chloride

Concen: 52.511 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

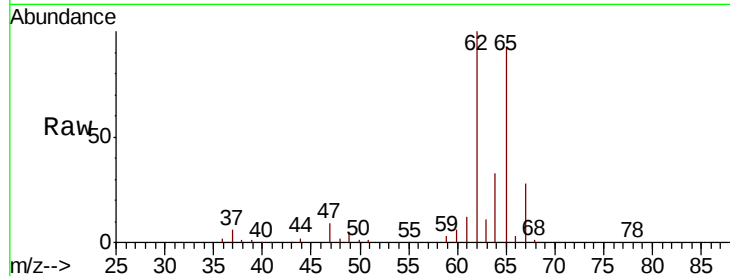
VSTD05039

Tot Ion: 62 Resp: 56100

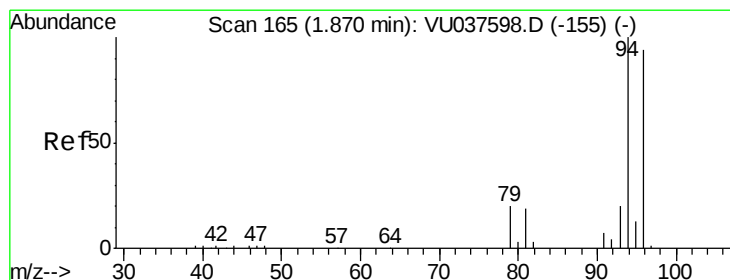
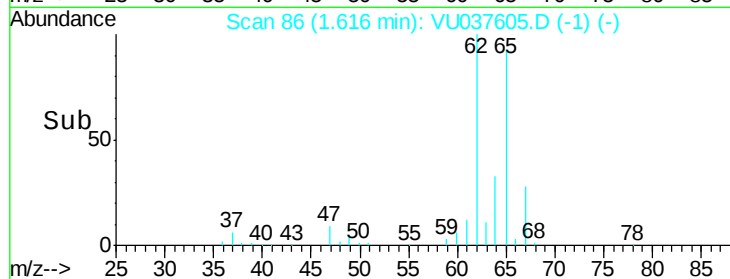
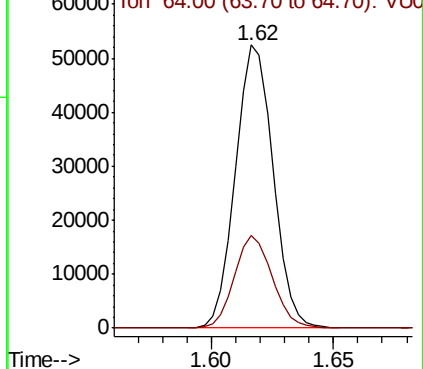
Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU037605.D (-1) (-)



#6

Bromomethane

Concen: 60.001 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037605.D

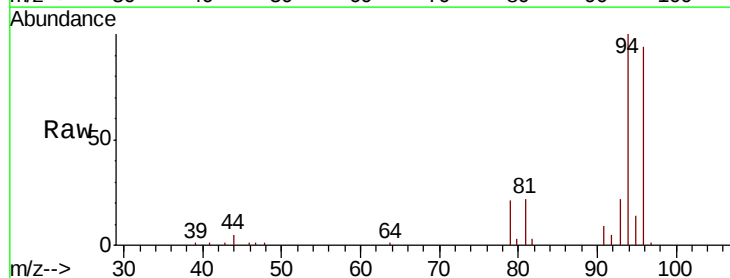
Acq: 07 Apr 2020 14:46

Tgt Ion: 94 Resp: 31615

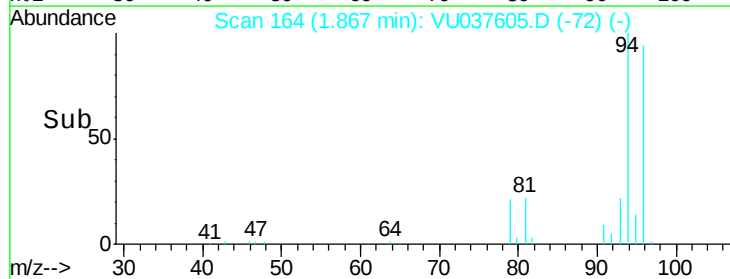
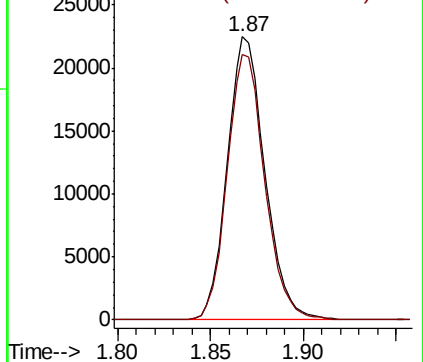
Ion Ratio Lower Upper

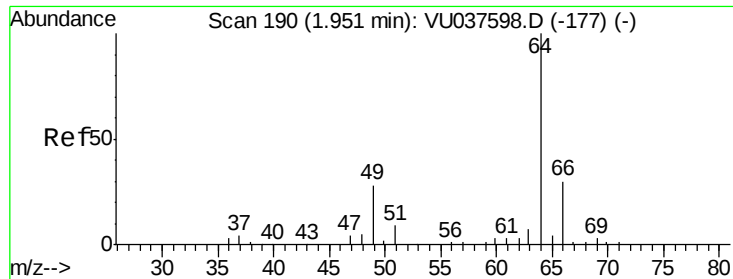
94 100

96 93.8 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037605.D (-72) (-)

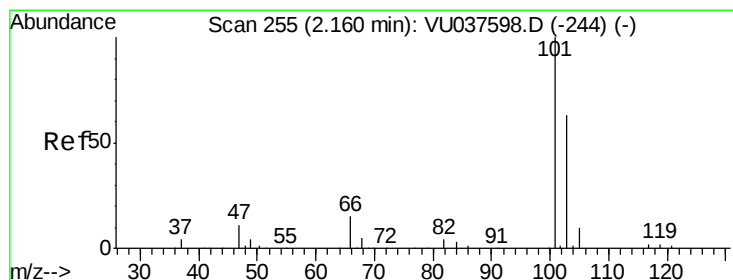
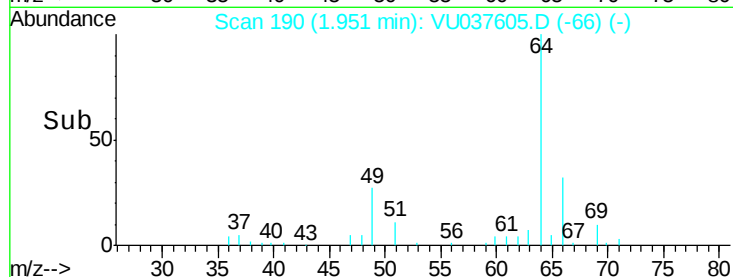
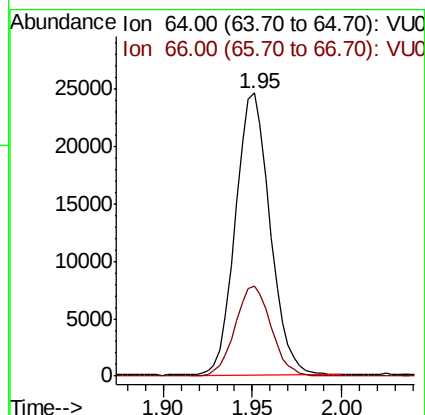
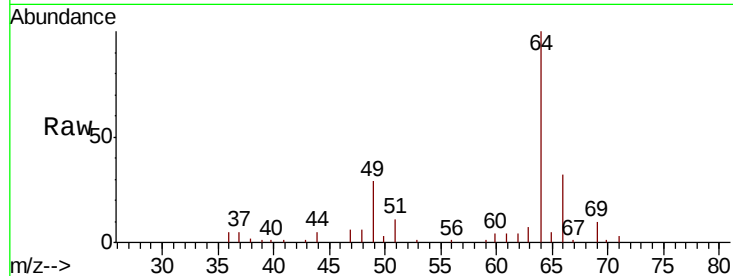




#8
Chloroethane
Concen: 52.543 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

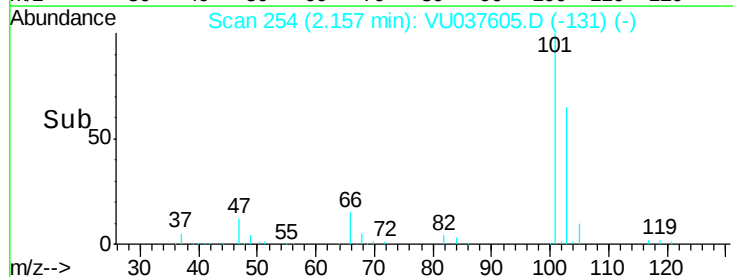
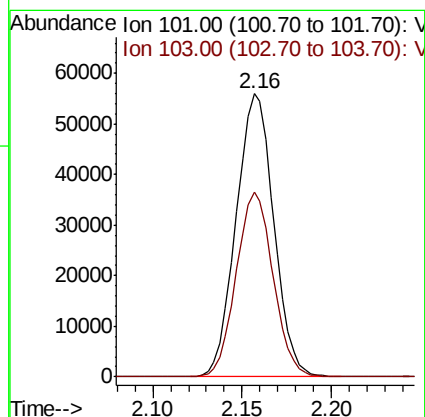
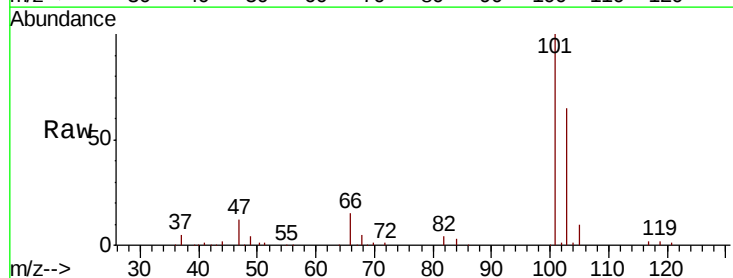
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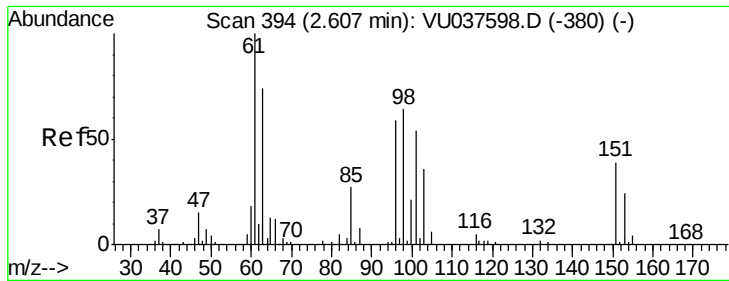
Tot Ion: 64 Resp: 33107
Ion Ratio Lower Upper
64 100
66 31.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 54.218 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

Tgt Ion: 101 Resp: 82180
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8





#10

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

Concen: 56.724 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

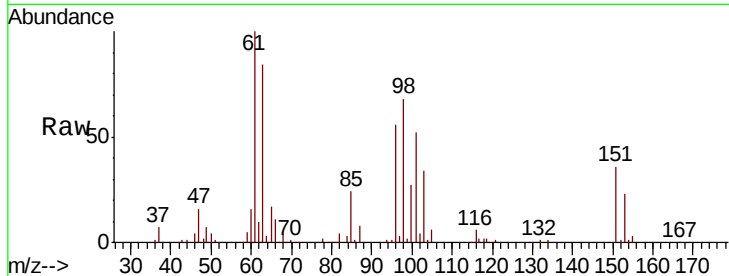
Tot Ion:101 Resp: 49040

Ion Ratio Lower Upper

101 100

85 46.1 35.4 53.2

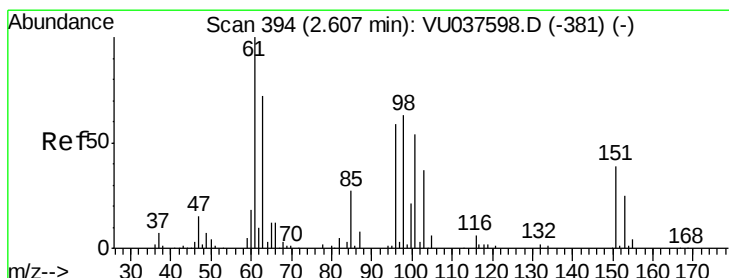
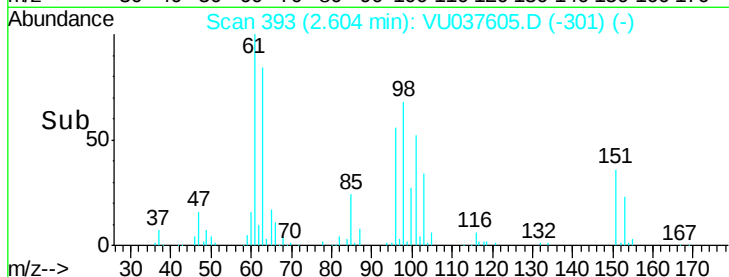
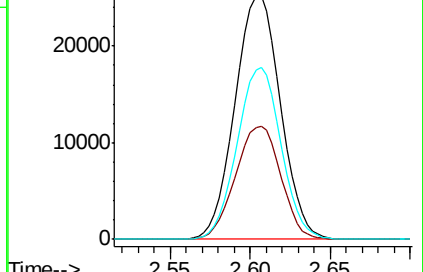
151 67.9 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): VU037605.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU037605.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU037605.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 54.972 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

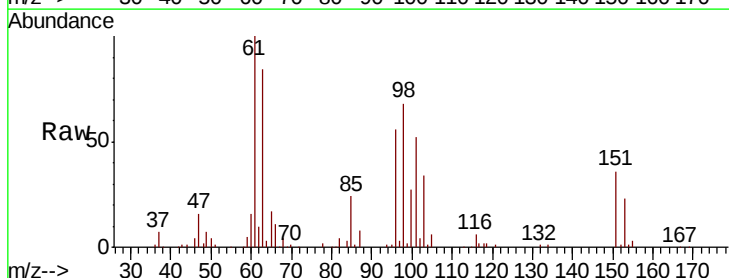
Tgt Ion: 96 Resp: 46134

Ion Ratio Lower Upper

96 100

61 177.2 117.2 217.8

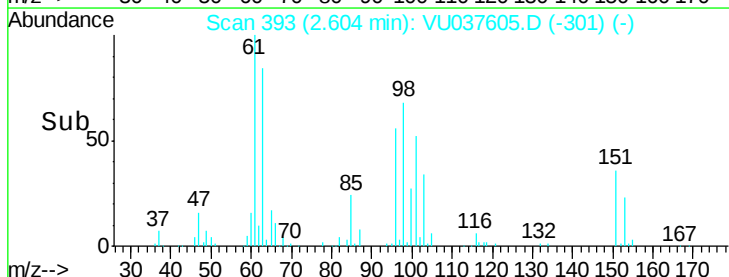
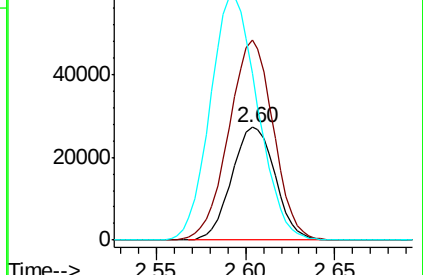
63 148.2 90.9 168.9

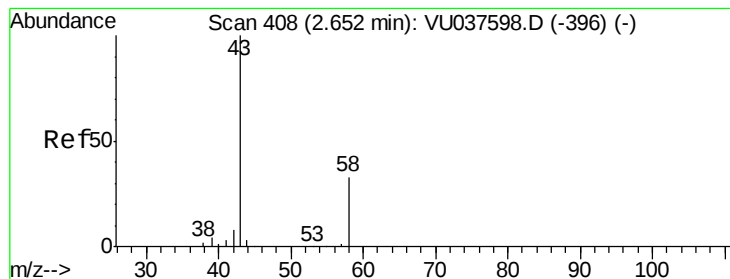


Abundance Ion 96.00 (95.70 to 96.70): VU037605.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VU037605.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU037605.D (-301) (-)





#13

Acetone

Concen: 119.309 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

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ClientSampleId :

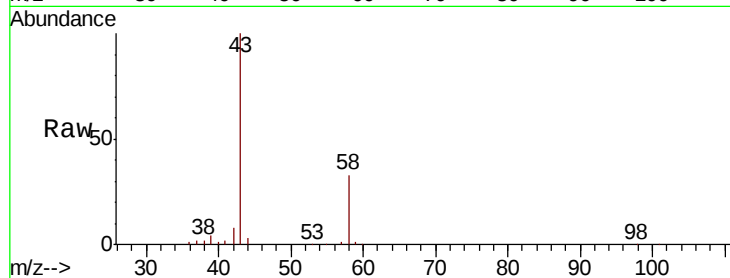
VSTD05039

Tot Ion: 43 Resp: 66046

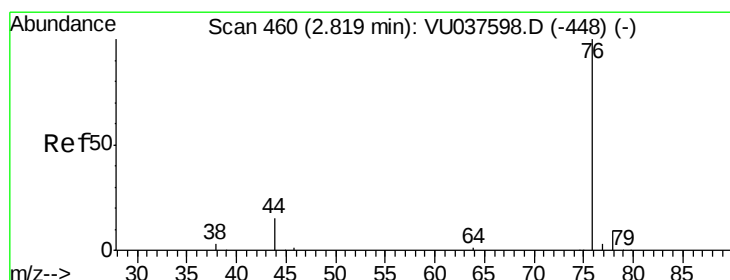
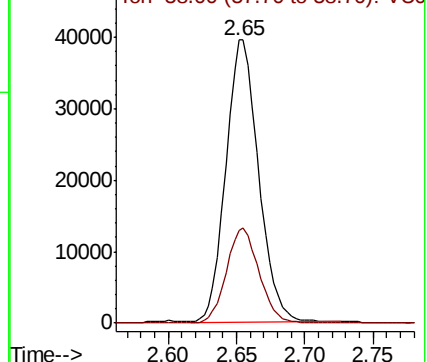
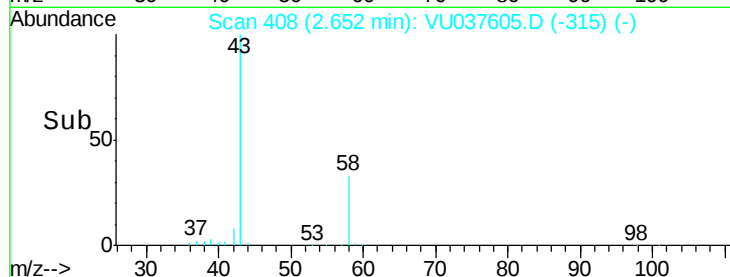
Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037605.D (-315) (-)



#14

Carbon disulfide

Concen: 48.079 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037605.D

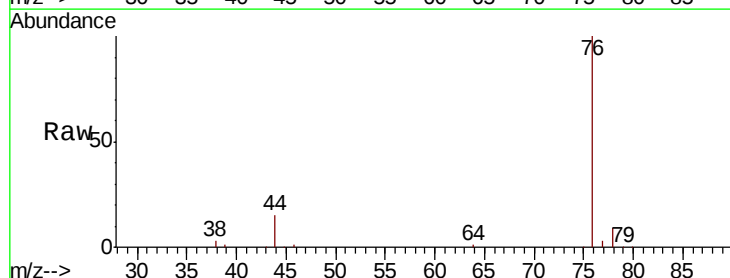
Acq: 07 Apr 2020 14:46

Tgt Ion: 76 Resp: 116553

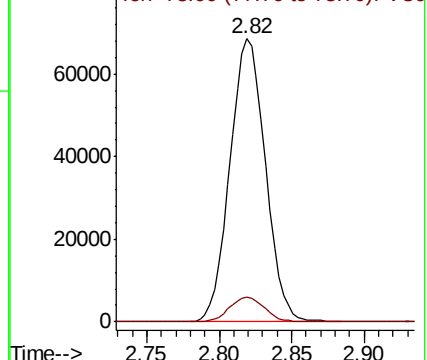
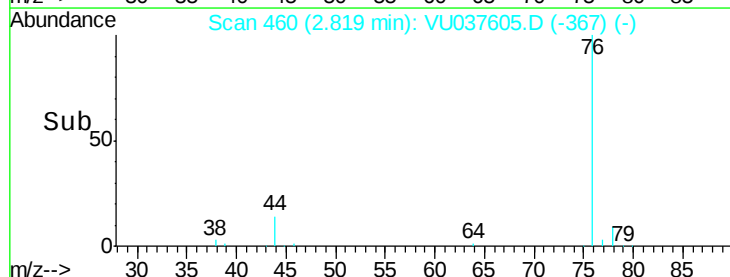
Ion Ratio Lower Upper

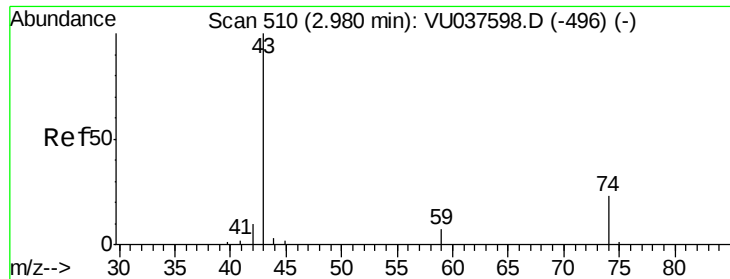
76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037605.D (-367) (-)





#15

Methvl Acetate

Concen: 57.484 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

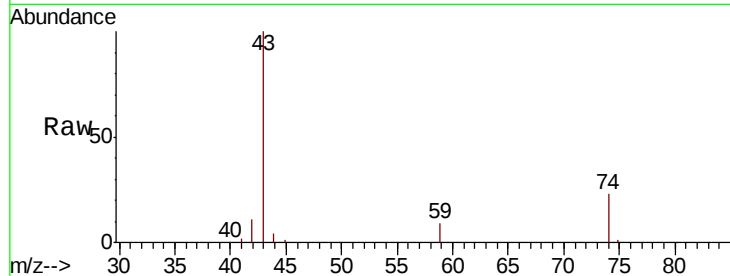
VSTD05039

Tot Ion: 43 Resp: 72109

Ion Ratio Lower Upper

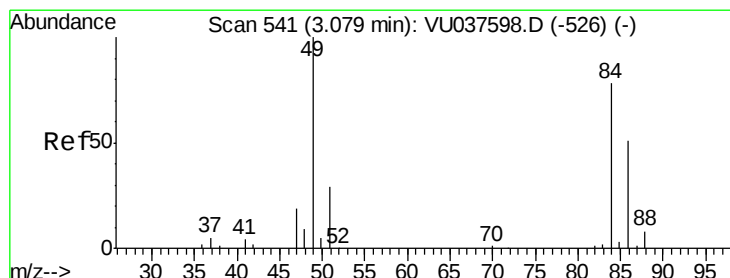
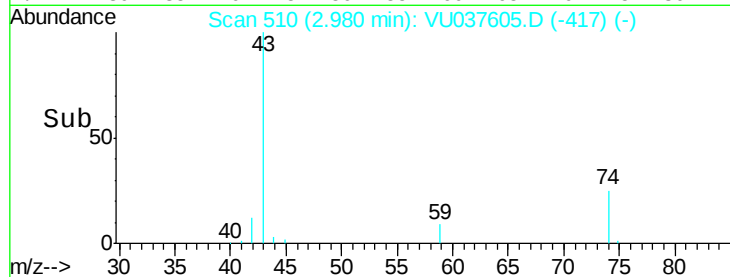
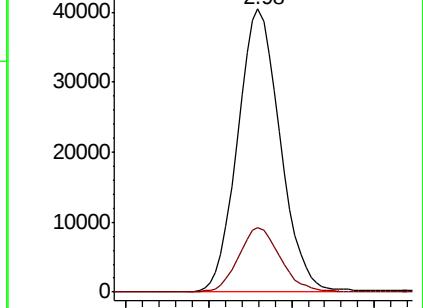
43 100

74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU037605.D (-417) (-)

Ion 74.00 (73.70 to 74.70): VU037605.D (-417) (-)



#16

Methylene chloride

Concen: 56.267 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

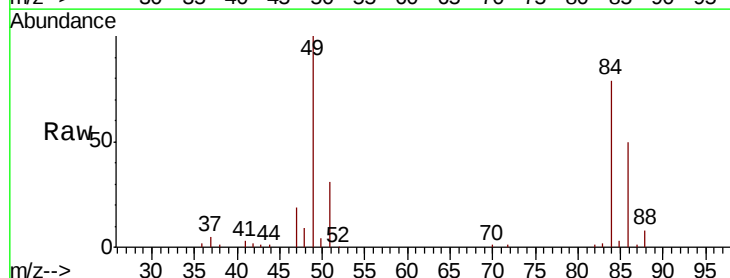
Tgt Ion: 84 Resp: 57278

Ion Ratio Lower Upper

84 100

86 63.2 44.8 83.2

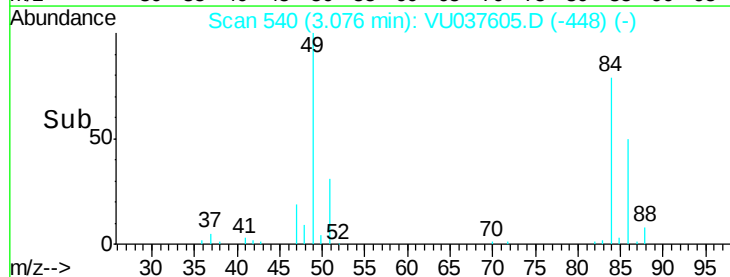
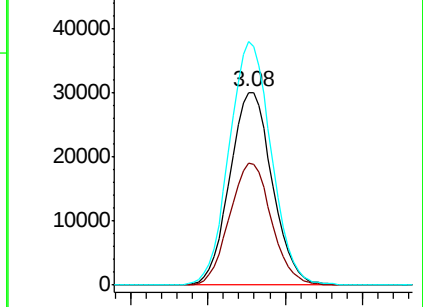
49 126.1 89.7 166.5

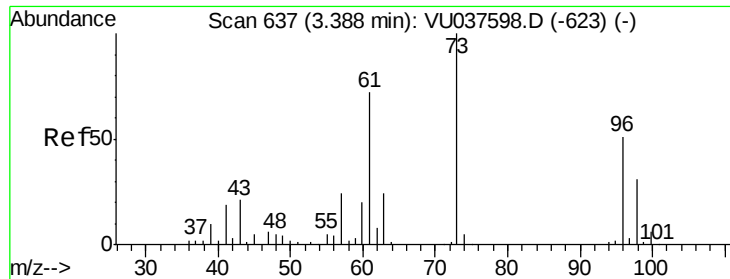


Abundance Ion 84.00 (83.70 to 84.70): VU037605.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU037605.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU037605.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 52.551 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

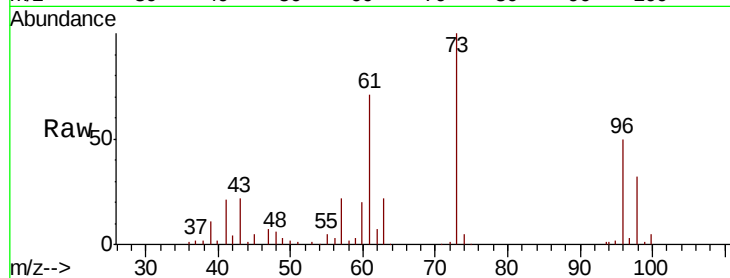
Tot Ion: 96 Resp: 47490

Ion Ratio Lower Upper

96 100

61 141.9 97.3 180.7

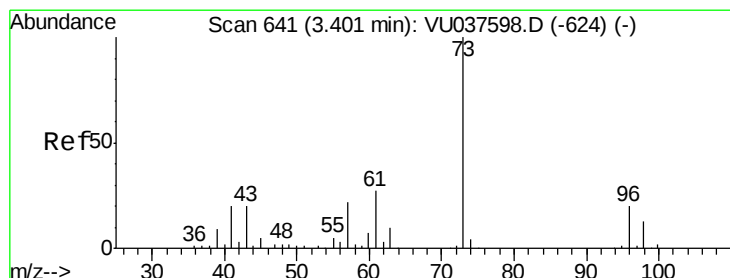
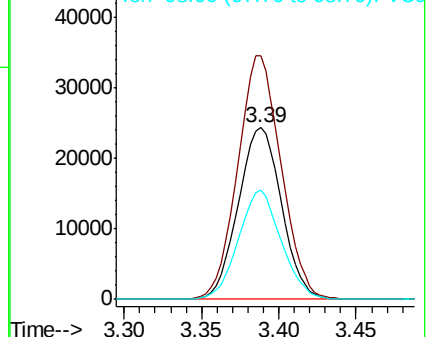
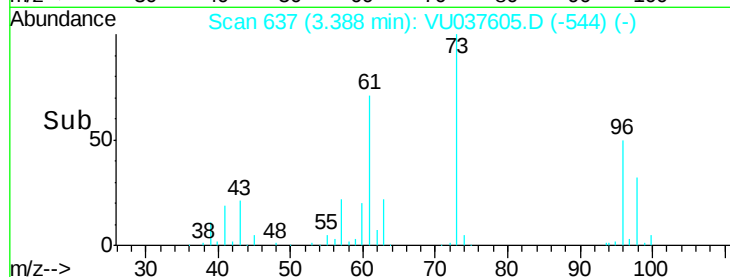
98 63.9 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VU037605.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037605.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037605.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 58.752 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

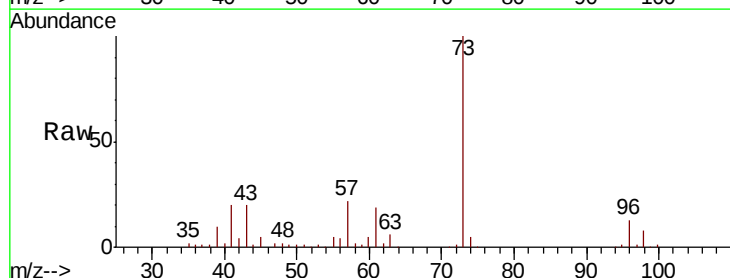
Tgt Ion: 73 Resp: 186114

Ion Ratio Lower Upper

73 100

43 21.2 16.4 24.6

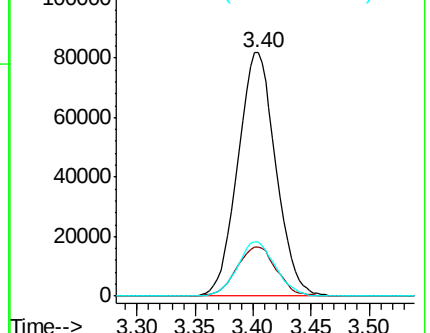
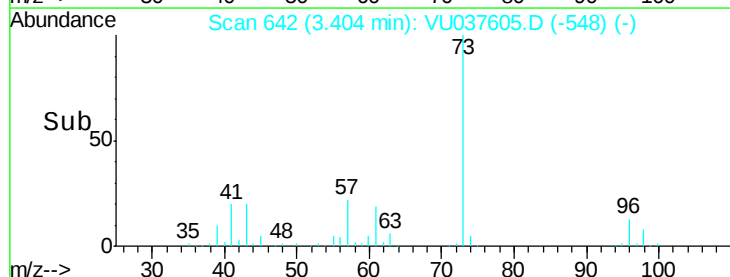
57 22.3 17.7 26.5

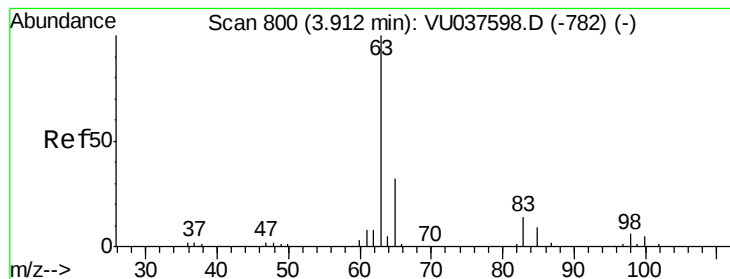


Abundance Ion 73.00 (72.70 to 73.70): VU037605.D (-548) (-)

Ion 43.00 (42.70 to 43.70): VU037605.D (-548) (-)

Ion 57.00 (56.70 to 57.70): VU037605.D (-548) (-)





#19

1,1-Dichloroethane

Concen: 55.314 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

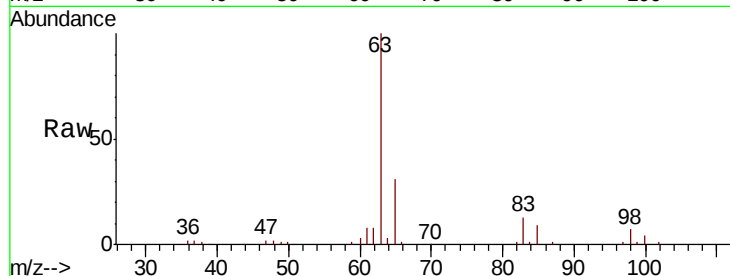
Tot Ion: 63 Resp: 97938

Ion Ratio Lower Upper

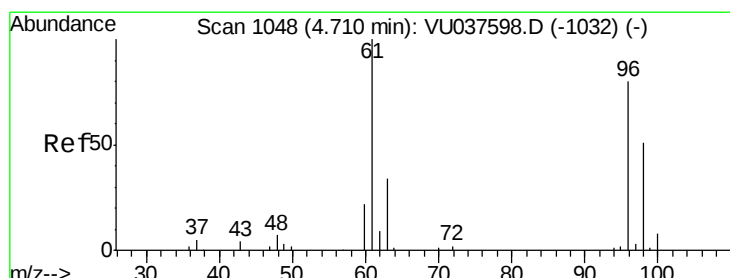
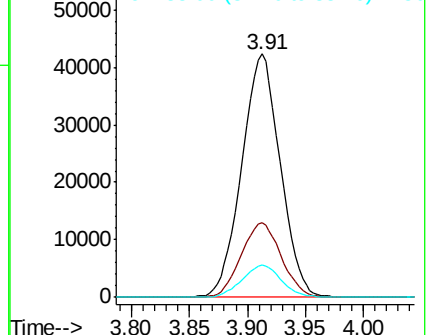
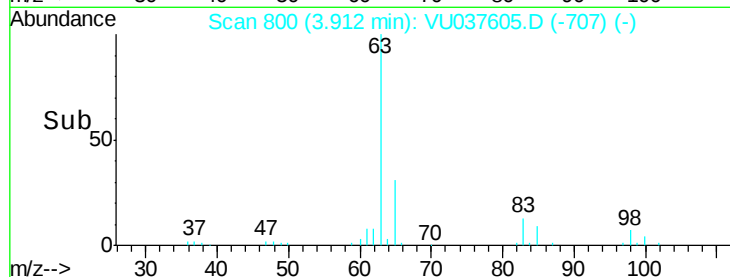
63 100

65 30.7 23.2 43.2

83 13.3 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU037605.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 55.194 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

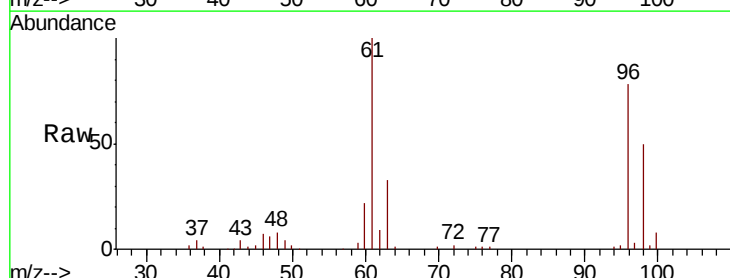
Tgt Ion: 96 Resp: 57439

Ion Ratio Lower Upper

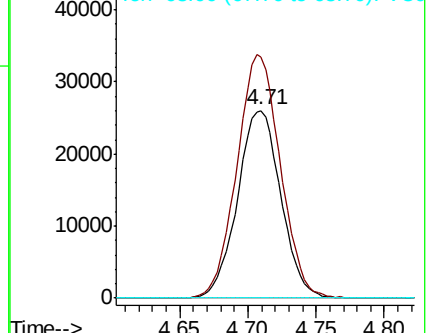
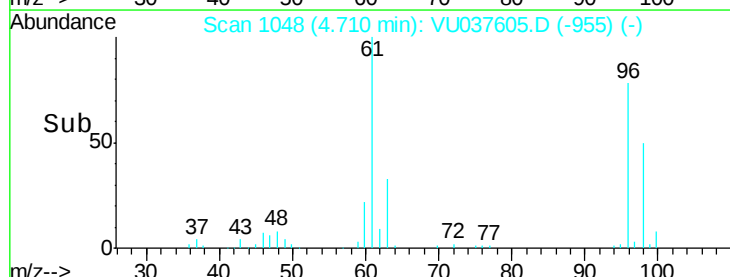
96 100

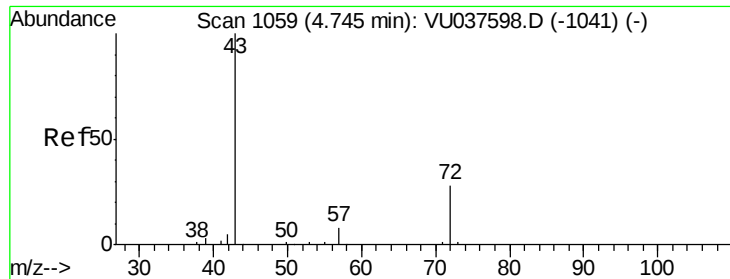
61 128.3 90.2 167.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037605.D (-955) (-)





#22

2-Butanone

Concen: 115.923 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

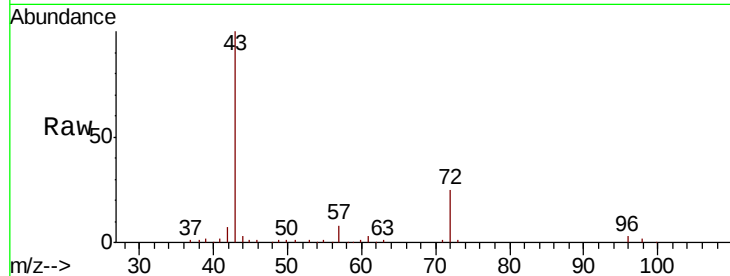
VSTD05039

Tot Ion: 43 Resp: 104740

Ion Ratio Lower Upper

43 100

72 26.5 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU037605.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037605.D (-966) (-)

4.74

50000

40000

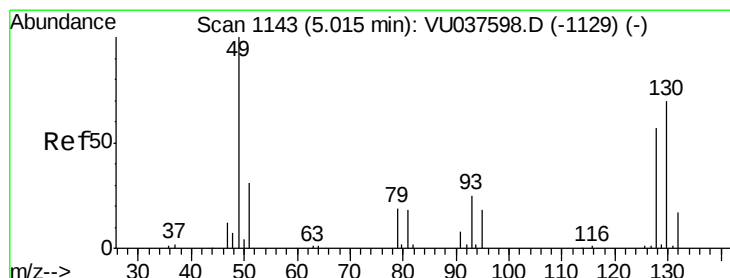
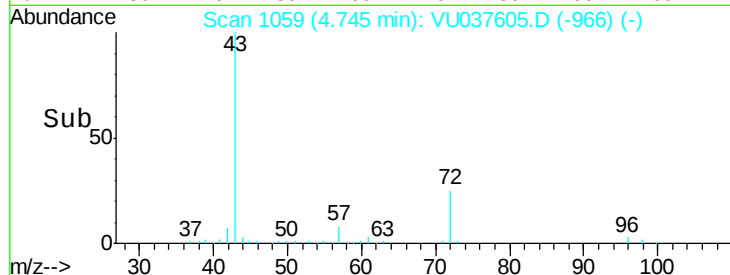
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 58.094 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Tgt Ion: 128 Resp: 29018

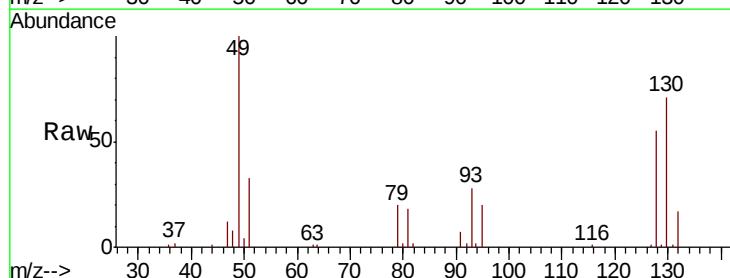
Ion Ratio Lower Upper

128 100

49 182.8 127.3 236.5

130 130.4 93.9 174.5

51 60.1 49.4 74.0



Abundance Ion 128.00 (127.70 to 128.70): VU037605.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037605.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037605.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037605.D (-1050) (-)

5.01

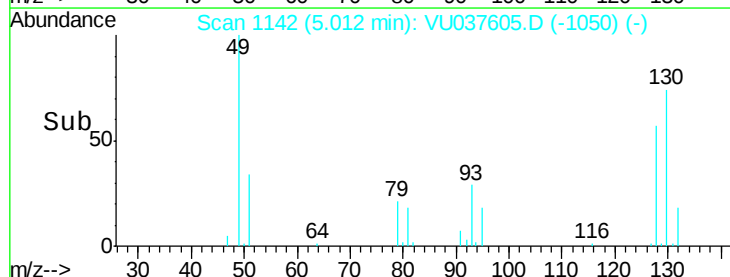
30000

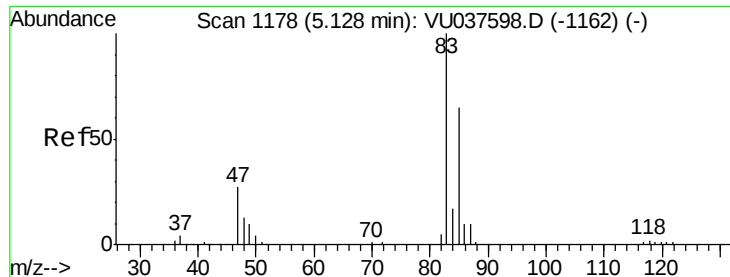
20000

10000

0

Time-->

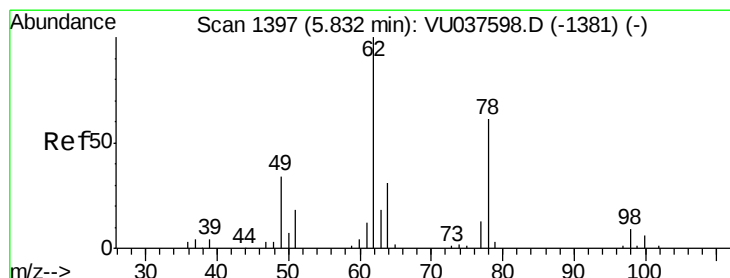
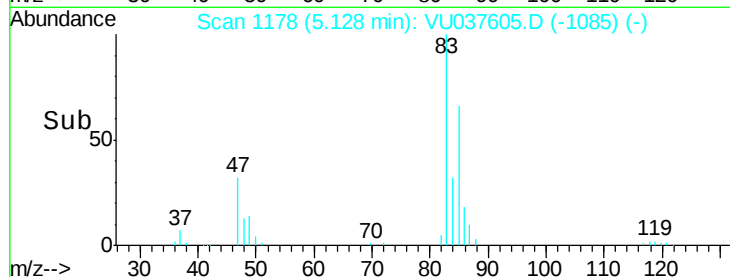
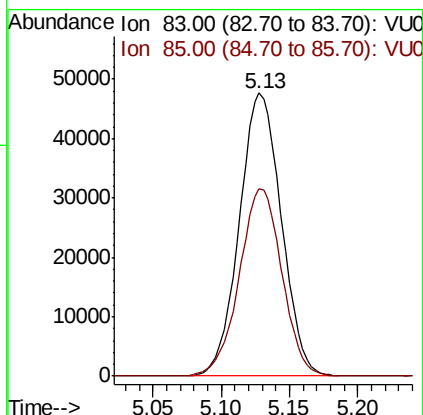
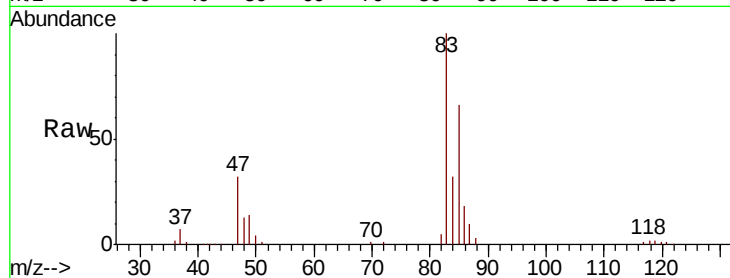




#25
Chloroform
Concen: 55.245 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

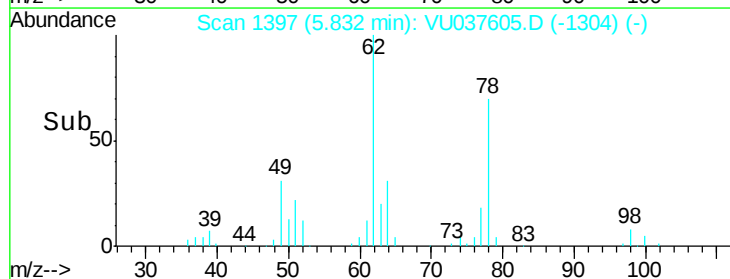
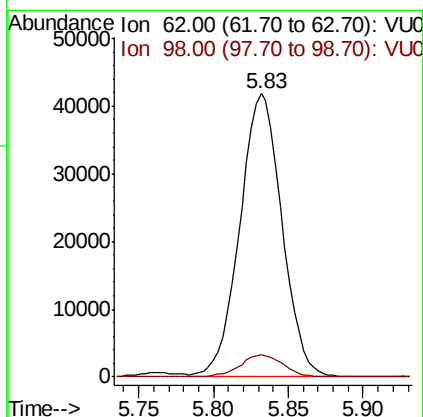
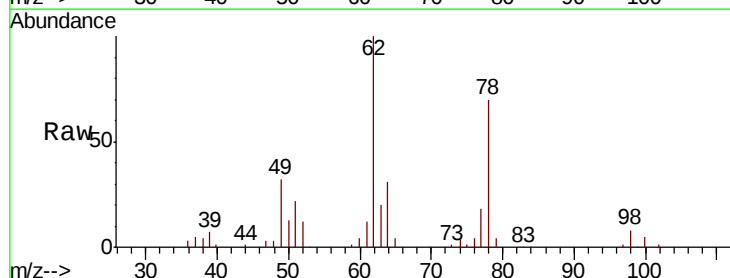
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

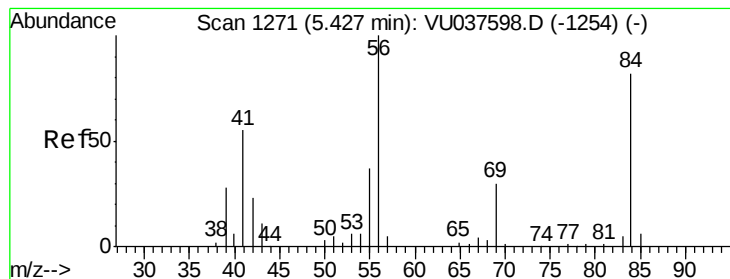
Tot Ion: 83 Resp: 101984
Ion Ratio Lower Upper
83 100
85 66.1 43.7 81.1



#27
1,2-Dichloroethane
Concen: 57.577 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

Tgt Ion: 62 Resp: 82030
Ion Ratio Lower Upper
62 100
98 7.7 7.1 10.7





#29

Cyclohexane

Concen: 52.741 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

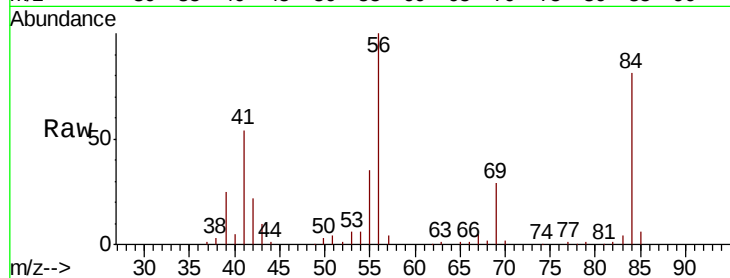
Tot Ion: 56 Resp: 83016

Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.6

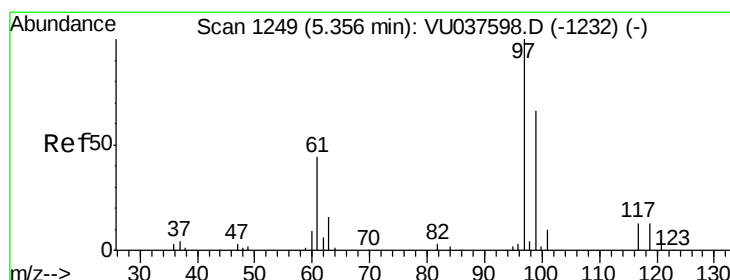
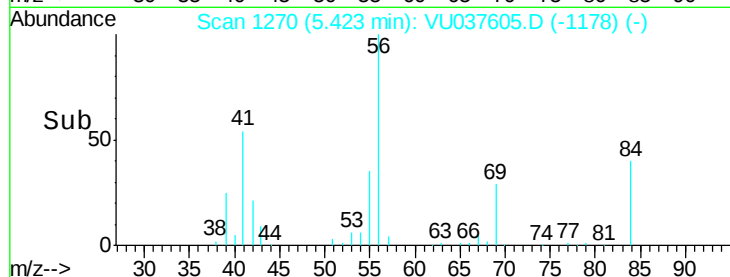
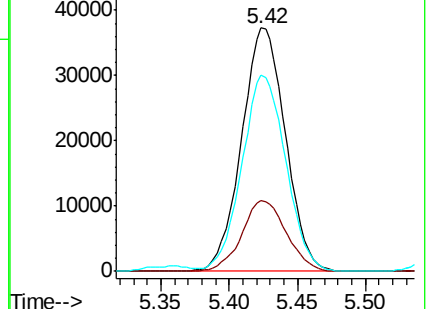
84 81.0 65.4 98.0



Abundance Ion 56.00 (55.70 to 56.70): VU037598.D (-1254) (-)

Ion 69.00 (68.70 to 69.70): VU037598.D (-1254) (-)

Ion 84.00 (83.70 to 84.70): VU037598.D (-1254) (-)



#30

1,1,1-Trichloroethane

Concen: 54.434 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

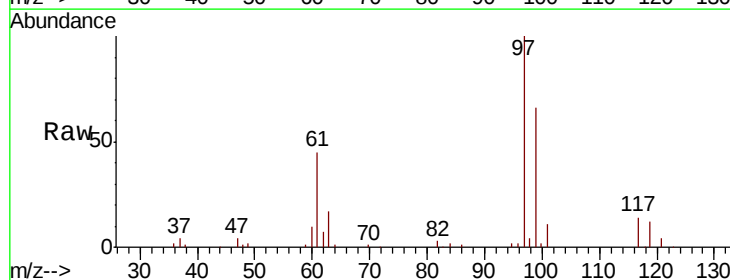
Tgt Ion: 97 Resp: 86663

Ion Ratio Lower Upper

97 100

99 64.2 50.6 75.8

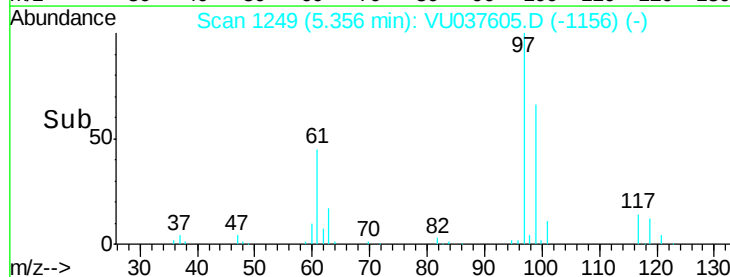
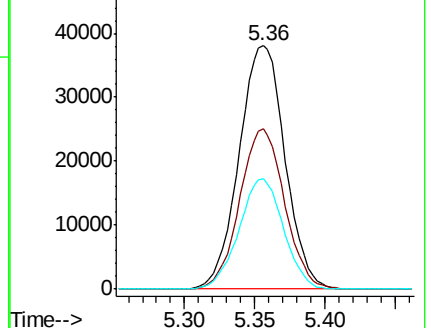
61 44.0 35.8 53.8

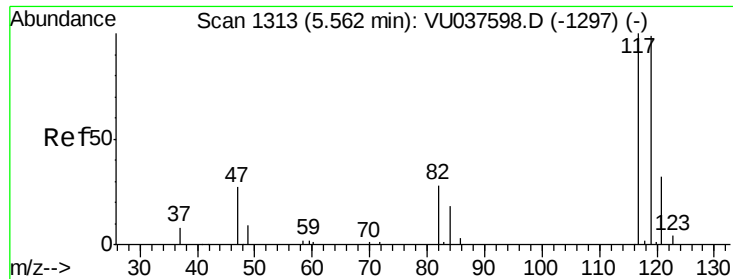


Abundance Ion 97.00 (96.70 to 97.70): VU037598.D (-1232) (-)

Ion 99.00 (98.70 to 99.70): VU037598.D (-1232) (-)

Ion 61.05 (60.75 to 61.75): VU037598.D (-1232) (-)

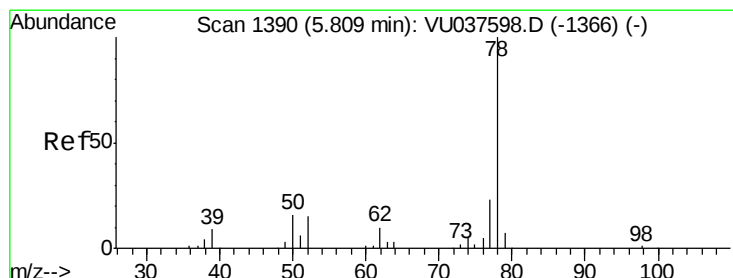
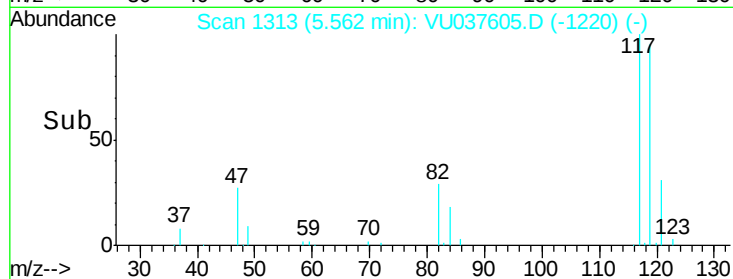
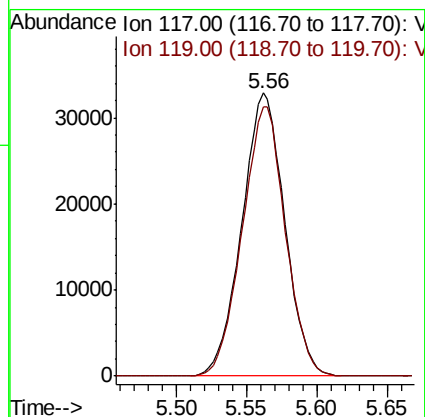
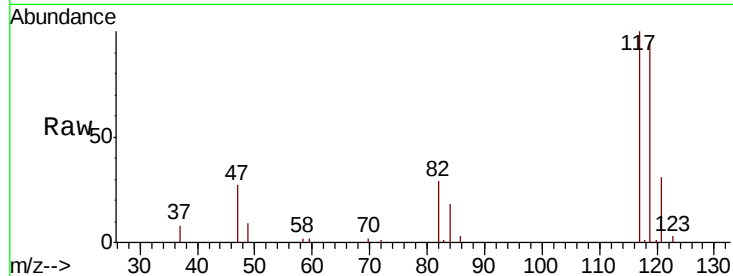




#31
Carbon tetrachloride
Concen: 53.306 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

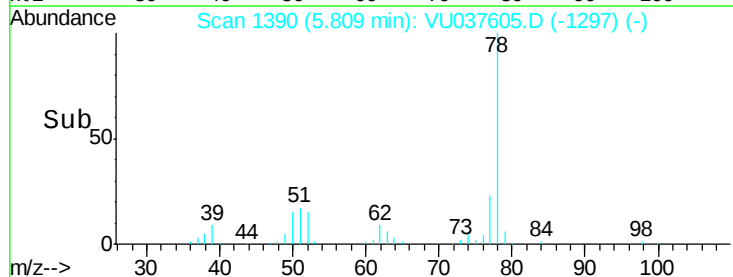
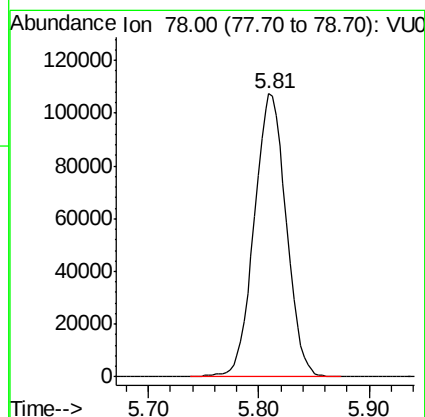
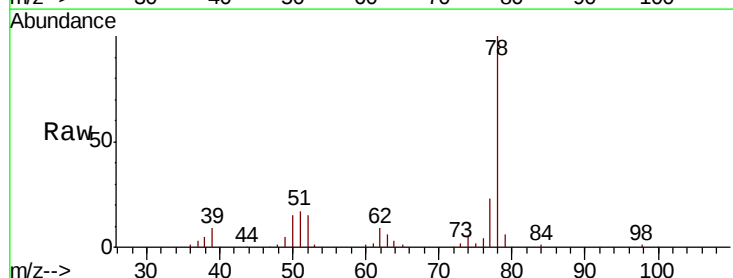
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

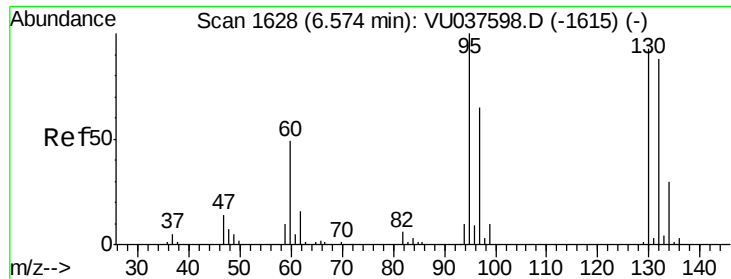
Tot Ion:117 Resp: 69849
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.8



#33
Benzene
Concen: 54.795 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

Tgt Ion: 78 Resp: 215640

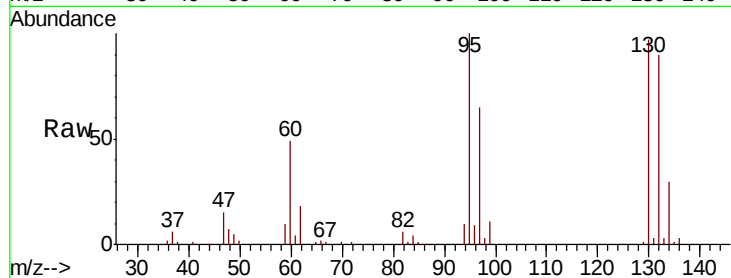




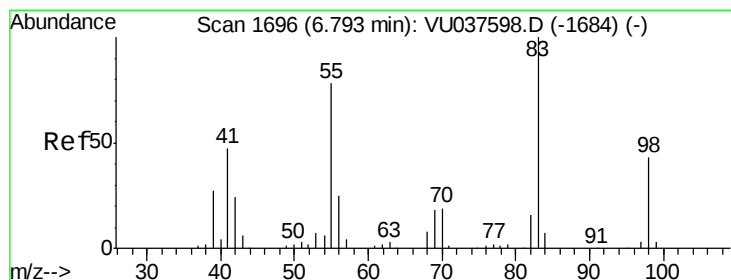
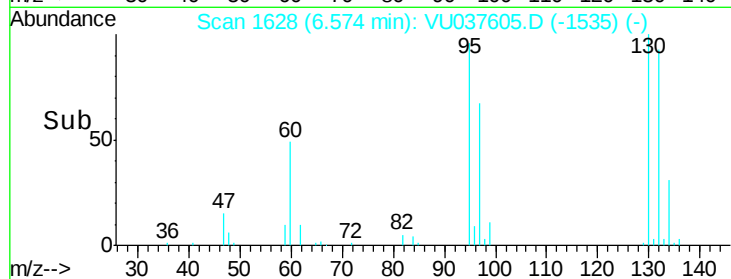
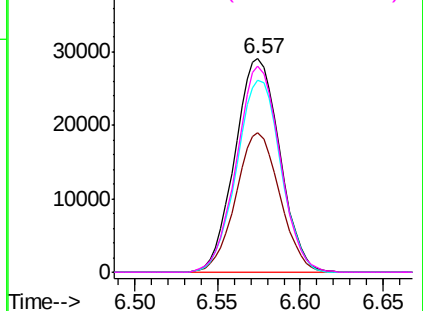
#34
 Trichloroethene
 Concen: 53.241 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tot Ion: 95 Resp: 54786
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.2 84.0
 132 89.7 63.7 118.3
 130 96.8 64.5 119.7

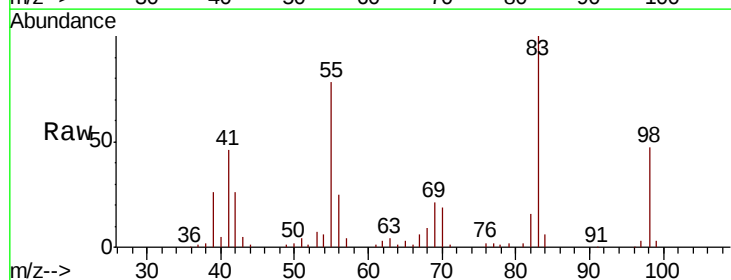


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

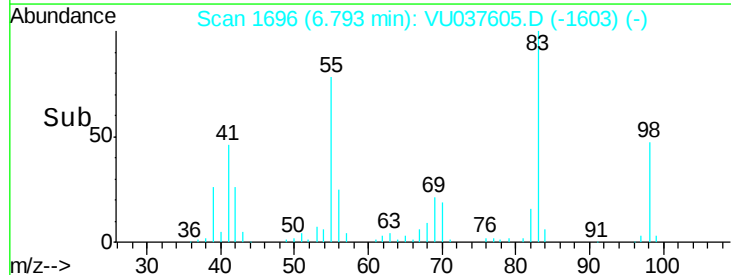
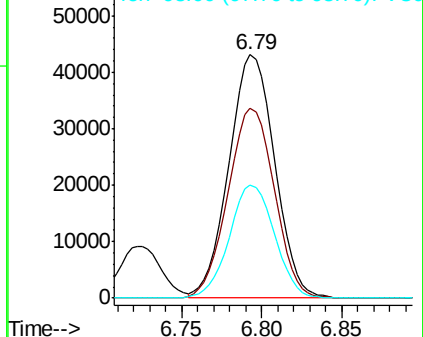


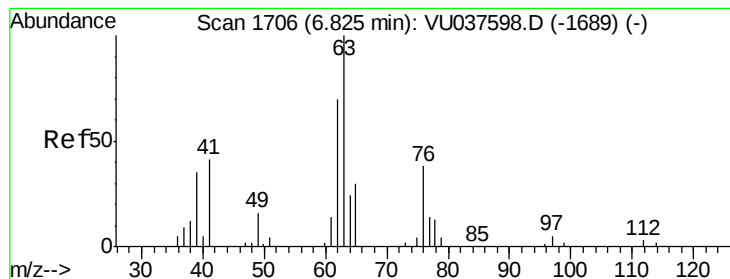
#35
 Methylcyclohexane
 Concen: 53.107 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Tgt Ion: 83 Resp: 84436
 Ion Ratio Lower Upper
 83 100
 55 79.2 61.1 91.7
 98 45.8 35.3 52.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 55.581 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

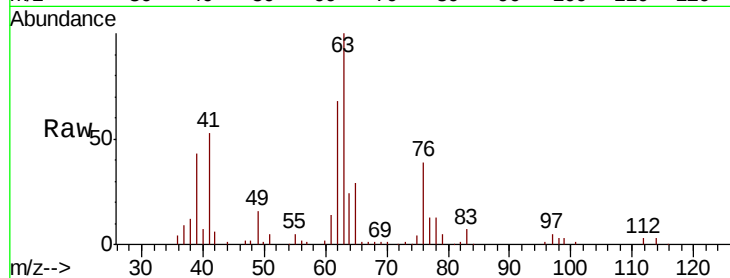
VSTD05039

Tot Ion: 63 Resp: 62322

Ion Ratio Lower Upper

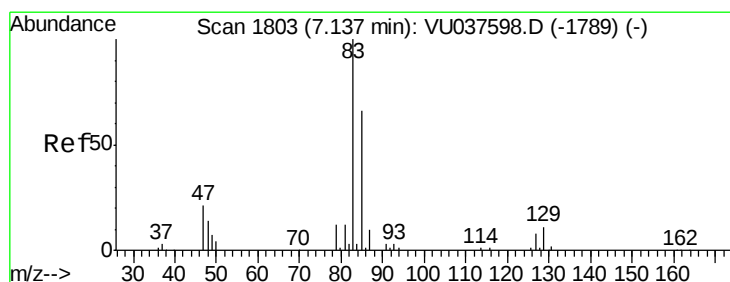
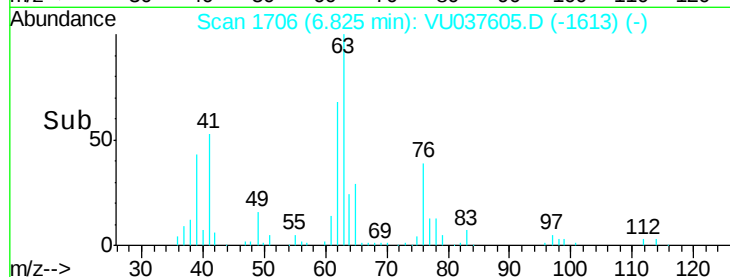
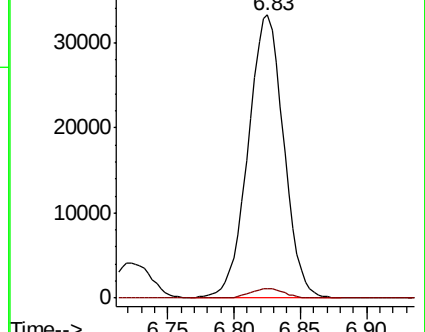
63 100

112 3.2 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037598.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU037598.D (-1689) (-)



#38

Bromodichloromethane

Concen: 57.225 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

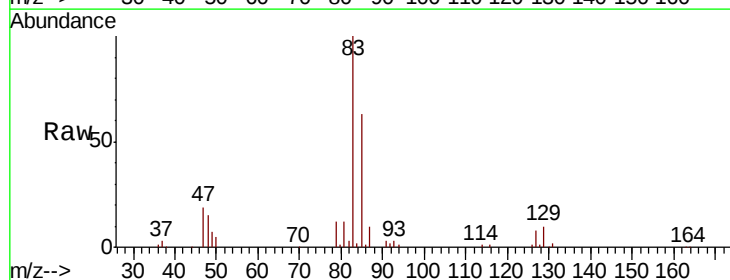
Tgt Ion: 83 Resp: 83454

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

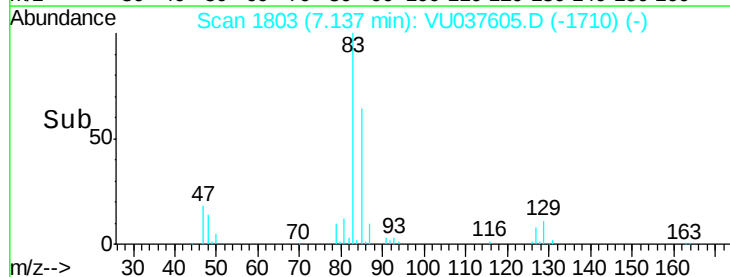
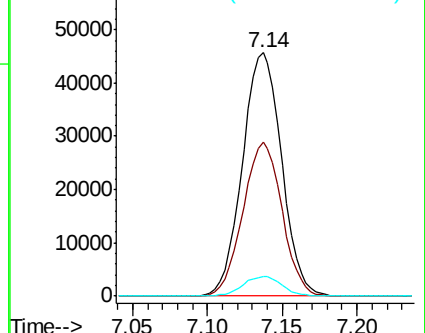
127 7.9 7.0 10.4

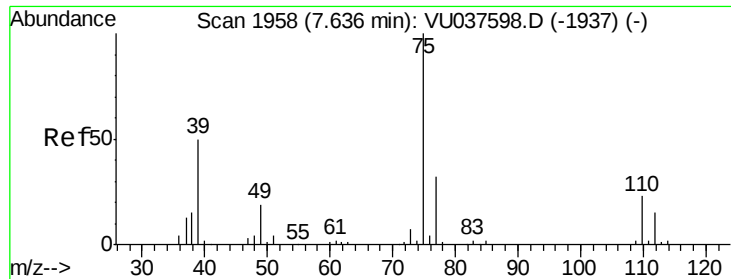


Abundance Ion 83.00 (82.70 to 83.70): VU037598.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037598.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU037598.D (-1789) (-)

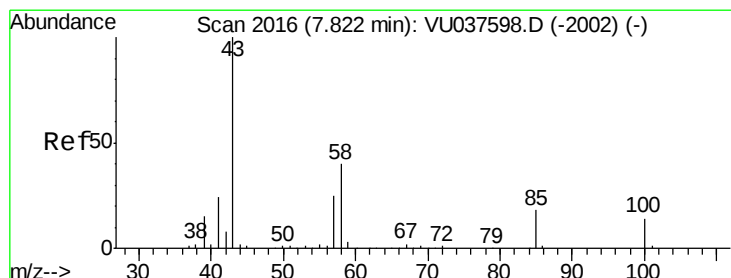
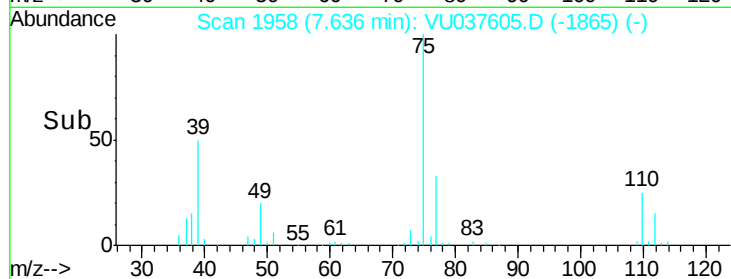
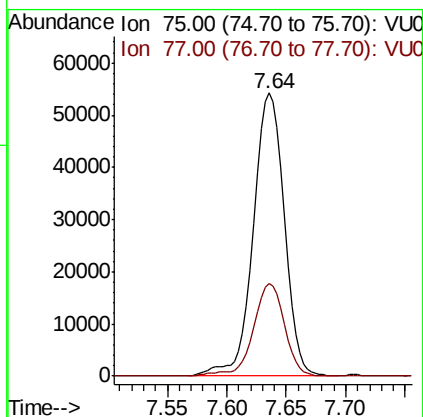
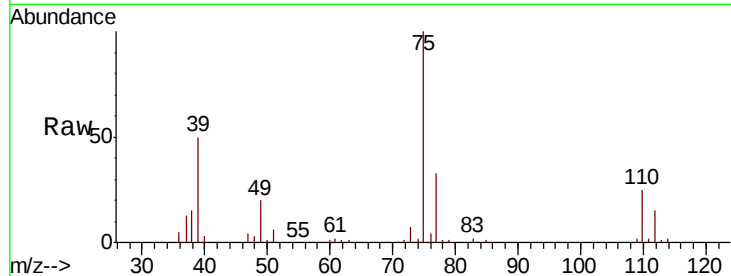




#39
 cis-1,3-Dichloropropene
 Concen: 56.060 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

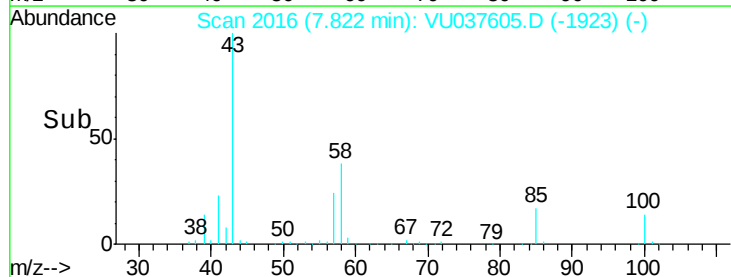
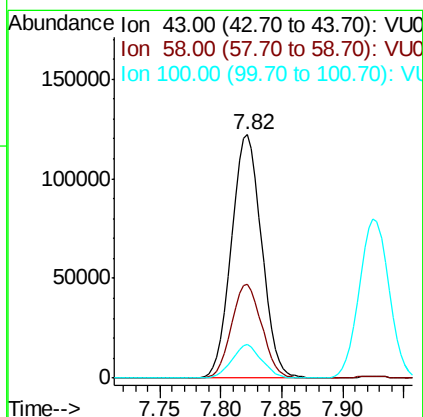
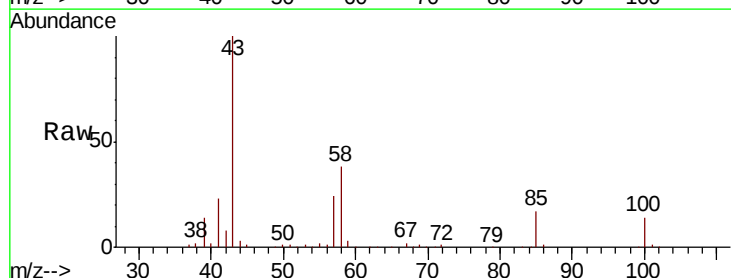
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

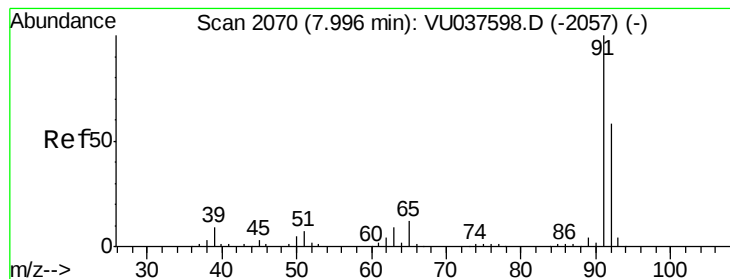
Tot Ion: 75 Resp: 98180
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 115.790 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Tgt Ion: 43 Resp: 210684
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.4 47.0
 100 13.5 11.0 16.4





#42

Toluene

Concen: 54.131 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

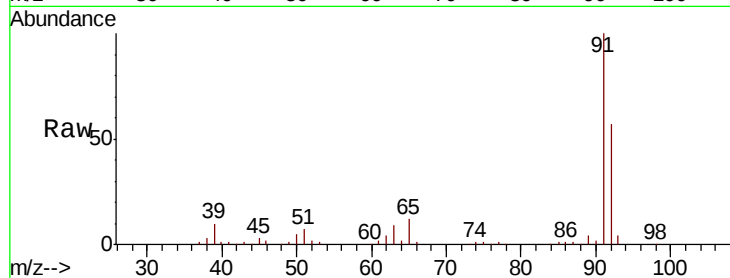
VSTD05039

Tot Ion: 91 Resp: 230526

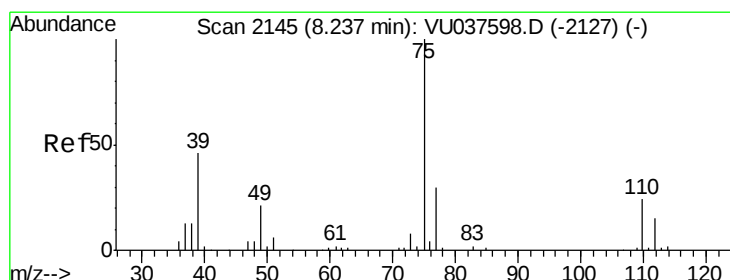
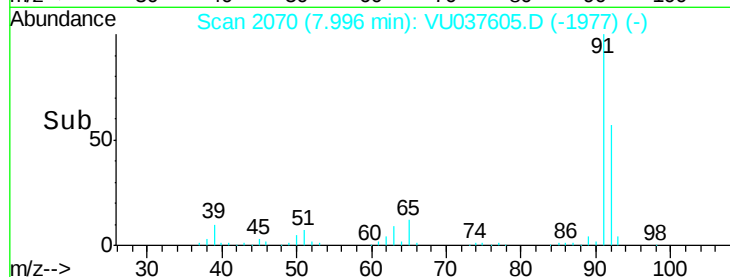
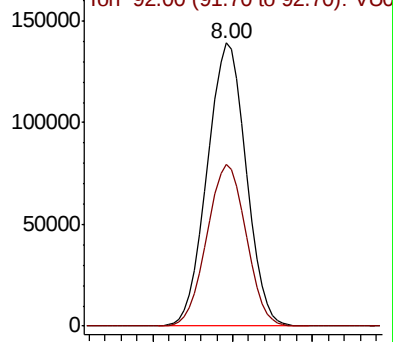
Ion Ratio Lower Upper

91 100

92 57.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037598.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 57.234 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037605.D

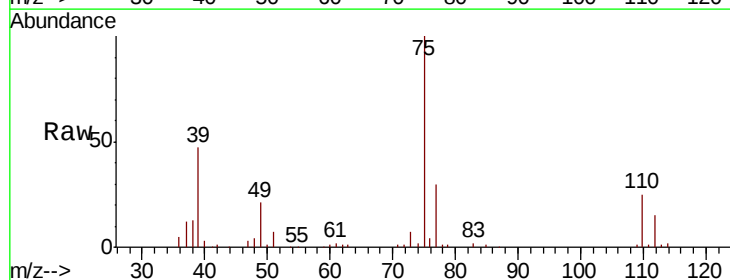
Acq: 07 Apr 2020 14:46

Tgt Ion: 75 Resp: 98711

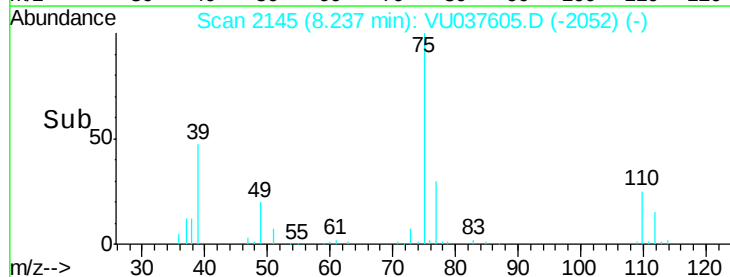
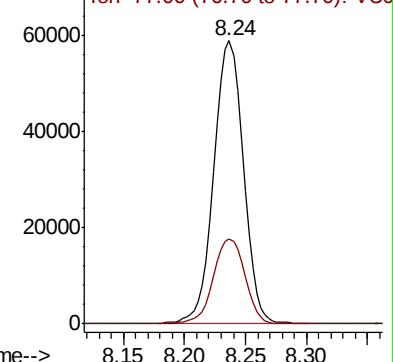
Ion Ratio Lower Upper

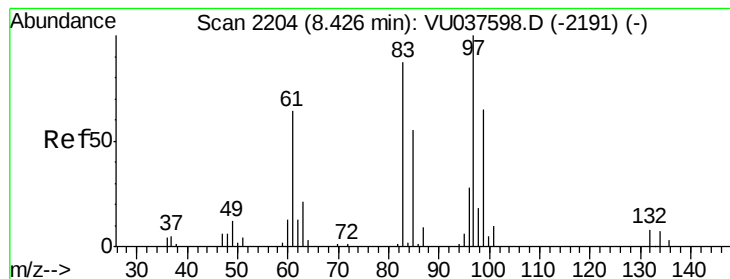
75 100

77 29.9 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037598.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 57.177 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleID :

VSTD05039

Tot Ion: 97 Resp: 58535

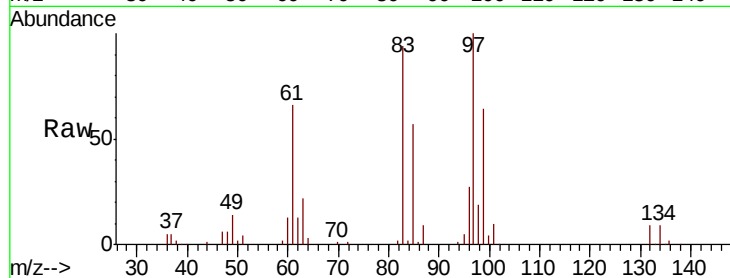
Ion Ratio Lower Upper

97 100

99 64.2 43.3 80.5

83 94.3 60.8 112.8

85 56.7 37.9 70.5



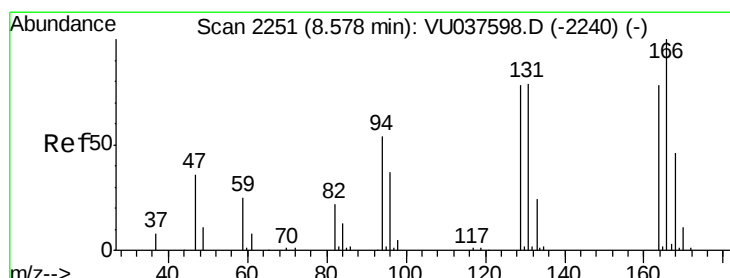
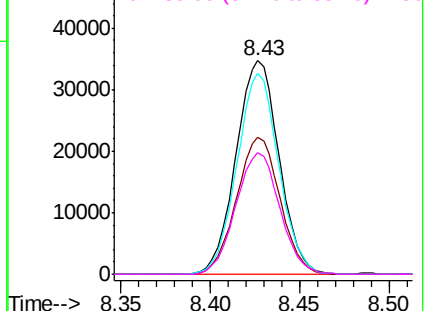
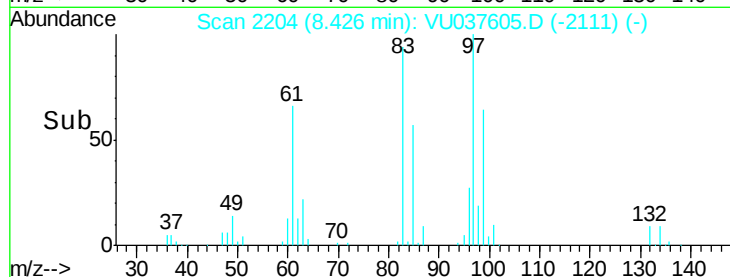
Abundance

Ion 97.00 (96.70 to 97.70): VU037605.D (-2111) (-)

Ion 99.00 (98.70 to 99.70): VU037605.D (-2111) (-)

Ion 83.00 (82.70 to 83.70): VU037605.D (-2111) (-)

Ion 85.00 (84.70 to 85.70): VU037605.D (-2111) (-)



#46

Tetrachloroethene

Concen: 54.023 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Tgt Ion: 164 Resp: 37326

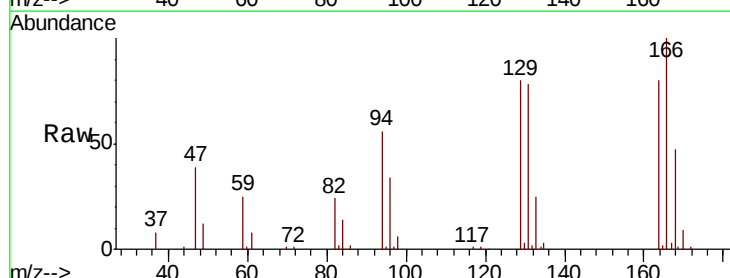
Ion Ratio Lower Upper

164 100

129 100.7 76.5 142.1

131 97.2 71.7 133.1

166 125.2 88.8 165.0



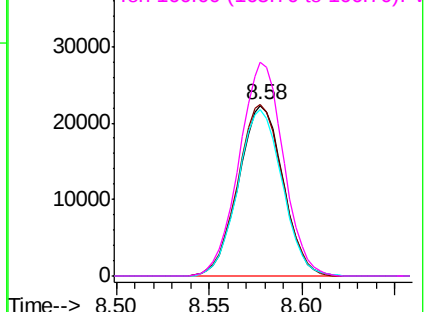
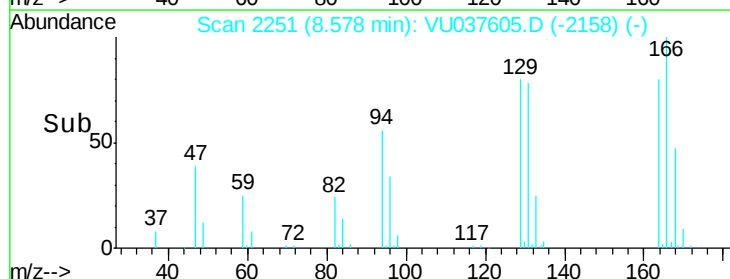
Abundance

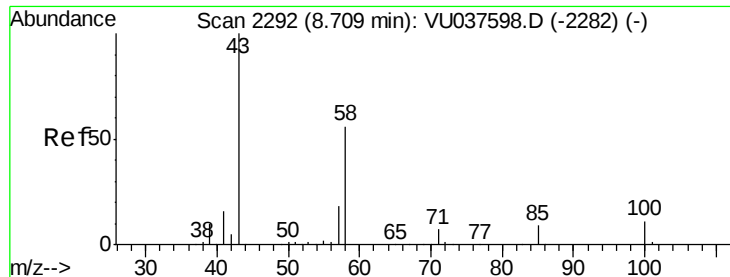
Ion 164.00 (163.70 to 164.70): VU037605.D (-2158) (-)

Ion 129.00 (128.70 to 129.70): VU037605.D (-2158) (-)

Ion 131.00 (130.70 to 131.70): VU037605.D (-2158) (-)

Ion 166.00 (165.70 to 166.70): VU037605.D (-2158) (-)

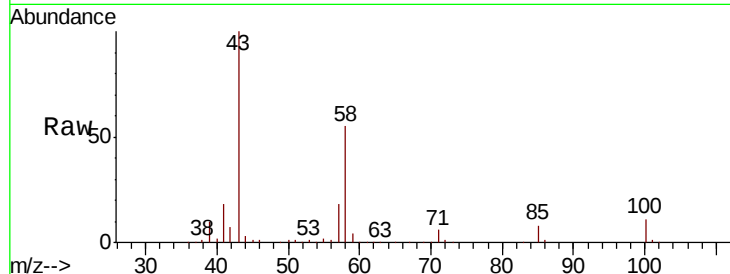




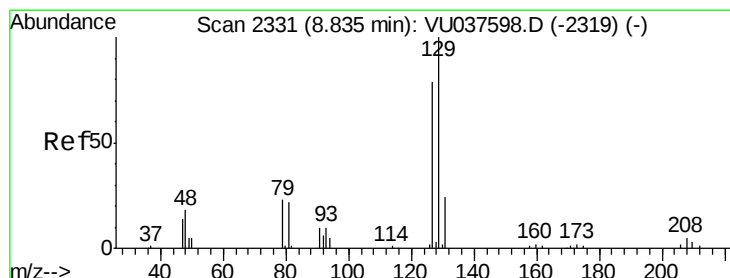
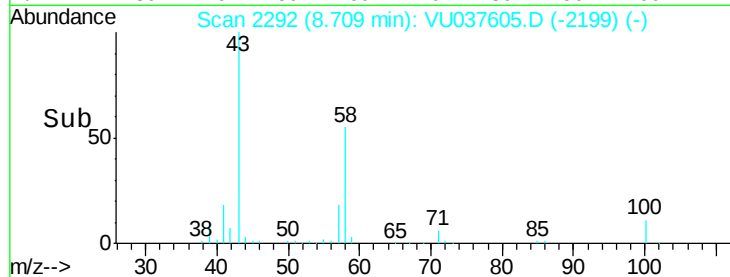
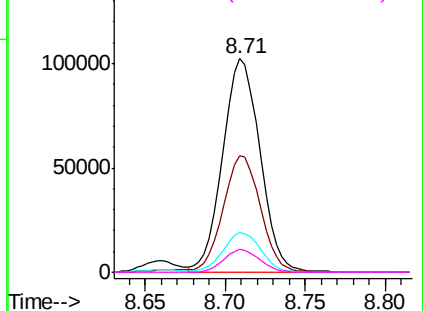
#48
2-Hexanone
Concen: 115.386 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Tot Ion: 43 Resp: 163269
Ion Ratio Lower Upper
43 100
58 53.9 44.4 66.6
57 18.5 15.1 22.7
100 10.4 8.7 13.1

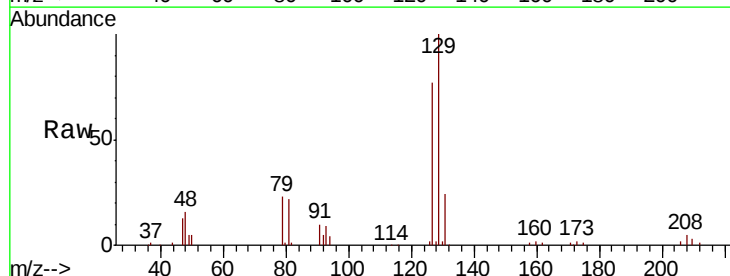


Abundance Ion 43.00 (42.70 to 43.70): VU037605.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VU037605.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VU037605.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VU037605.D (-2199) (-)

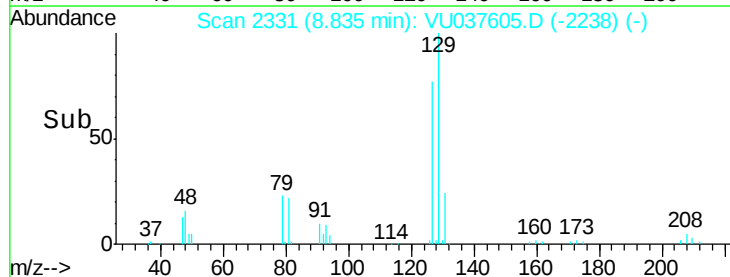
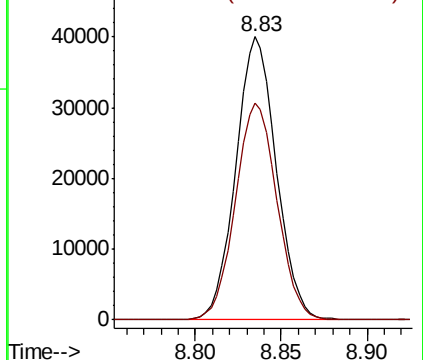


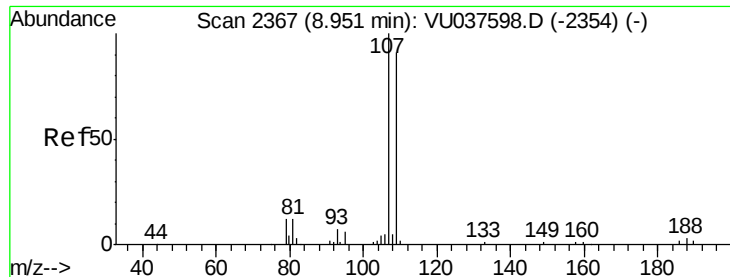
#49
Dibromochloromethane
Concen: 57.401 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037605.D
Acq: 07 Apr 2020 14:46

Tgt Ion: 129 Resp: 65544
Ion Ratio Lower Upper
129 100
127 76.7 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037605.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU037605.D (-2238) (-)

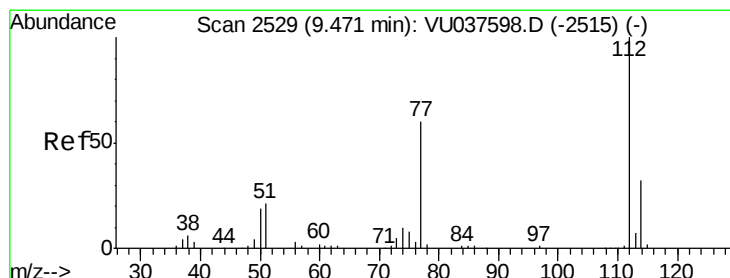
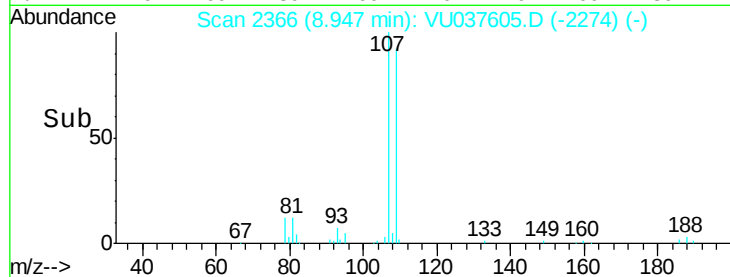
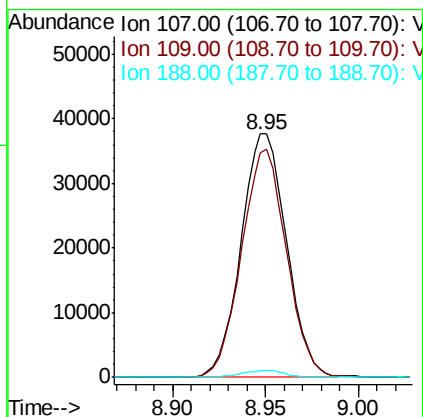
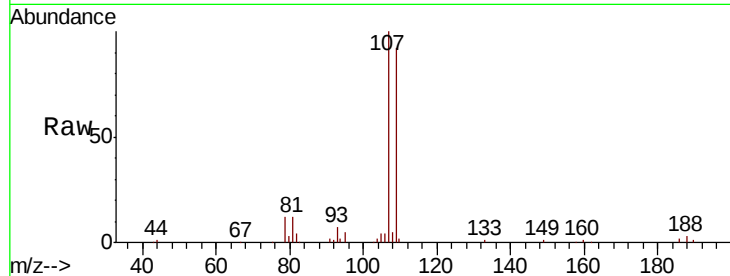




#50
 1,2-Dibromoethane
 Concen: 56.960 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

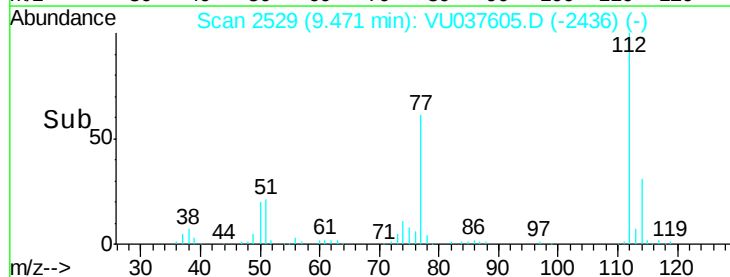
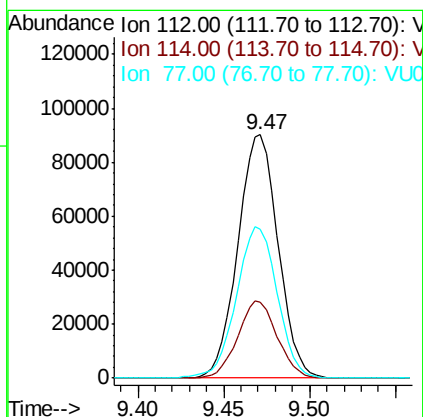
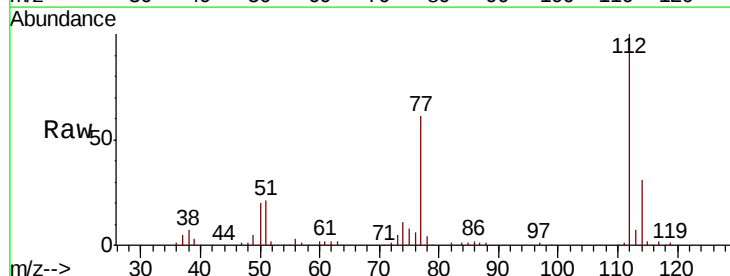
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

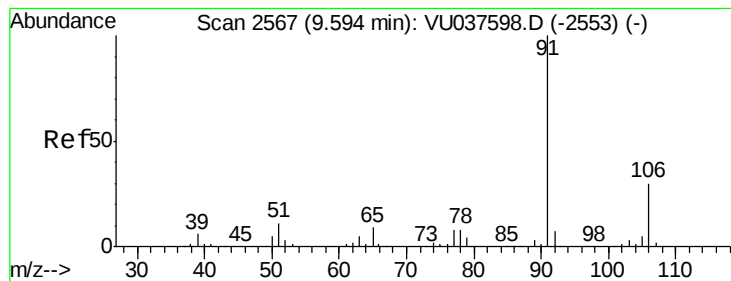
Tot Ion:107 Resp: 64130
 Ion Ratio Lower Upper
 107 100
 109 92.1 64.1 119.1
 188 2.5 2.3 3.5



#51
 Chlorobenzene
 Concen: 55.458 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Tgt Ion:112 Resp: 146492
 Ion Ratio Lower Upper
 112 100
 114 31.4 21.0 39.0
 77 61.4 50.2 75.4





#52

Ethylbenzene

Concen: 54.640 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

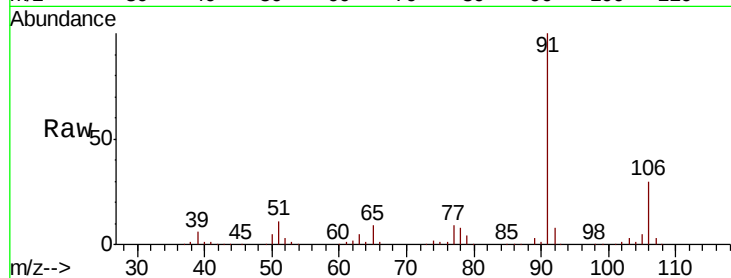
VSTD05039

Tot Ion: 91 Resp: 263147

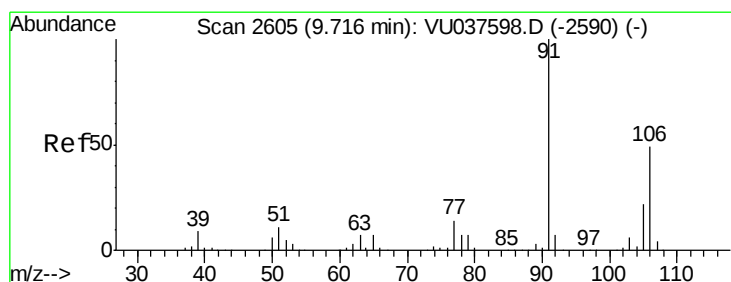
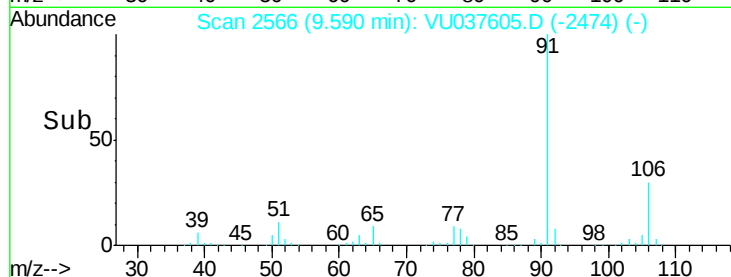
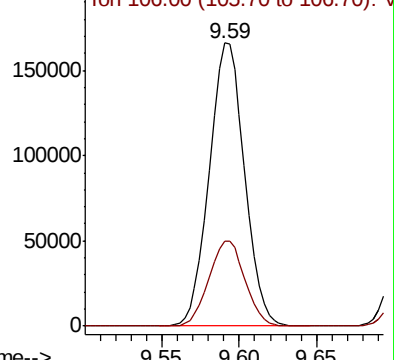
Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VU037598.D (-2553) (-)



#53

m,p-Xylene

Concen: 54.376 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037605.D

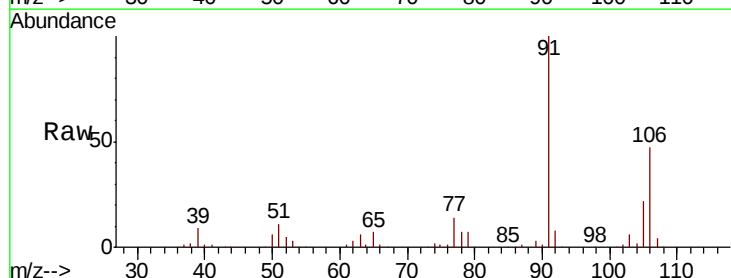
Acq: 07 Apr 2020 14:46

Tgt Ion: 106 Resp: 97680

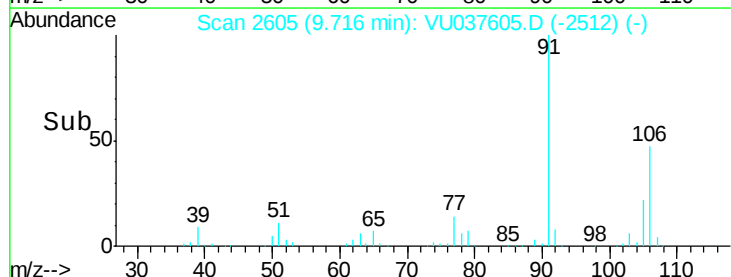
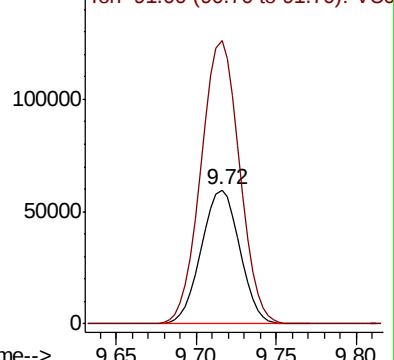
Ion Ratio Lower Upper

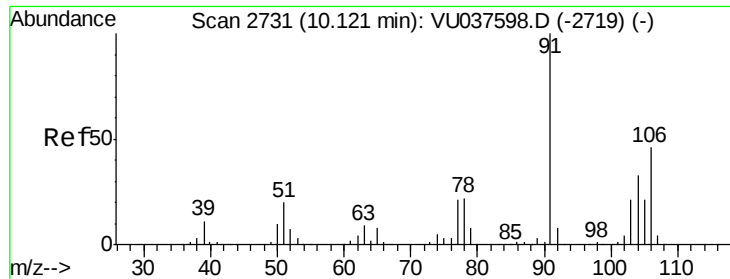
106 100

91 211.3 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): VU037598.D (-2590) (-)





#54

o-xylene

Concen: 55.775 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

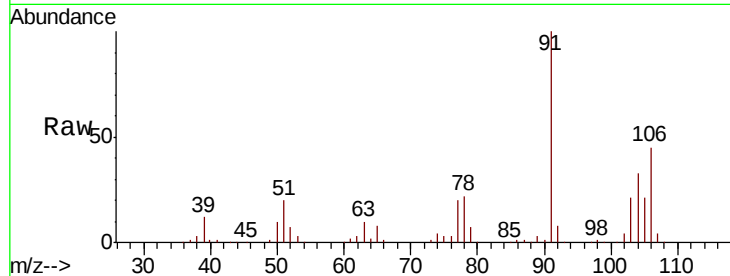
VSTD05039

Tot Ion:106 Resp: 96570

Ion Ratio Lower Upper

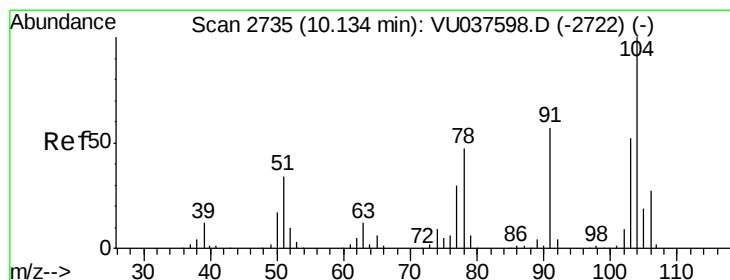
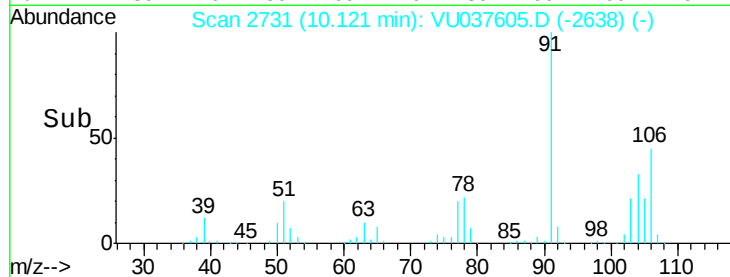
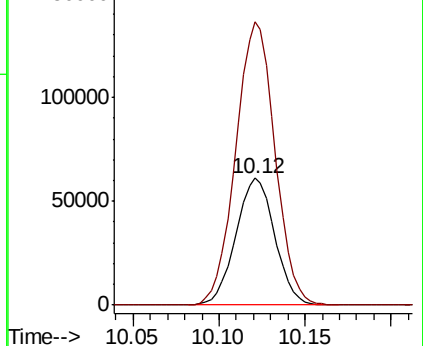
106 100

91 222.9 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.064 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU037605.D

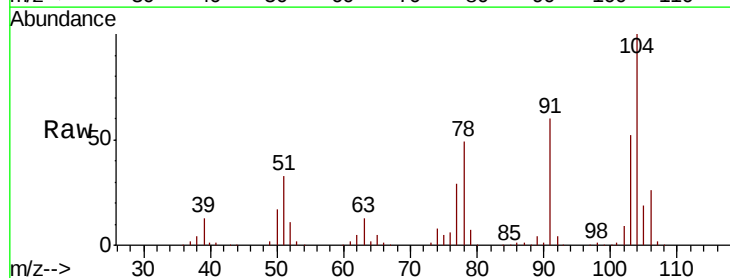
Acq: 07 Apr 2020 14:46

Tgt Ion:104 Resp: 171880

Ion Ratio Lower Upper

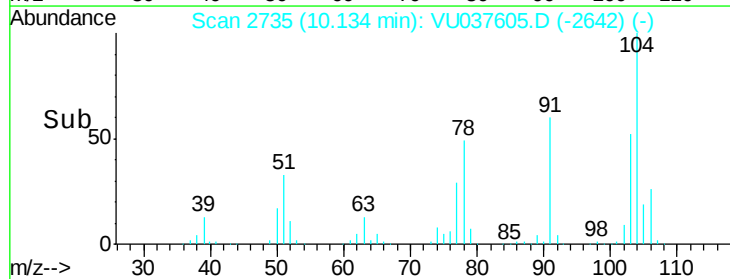
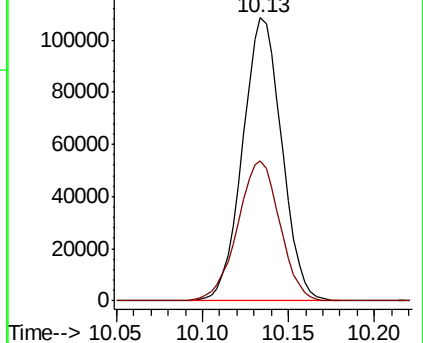
104 100

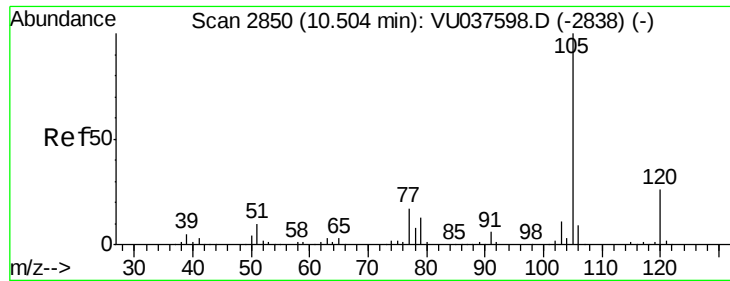
78 49.5 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.351 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

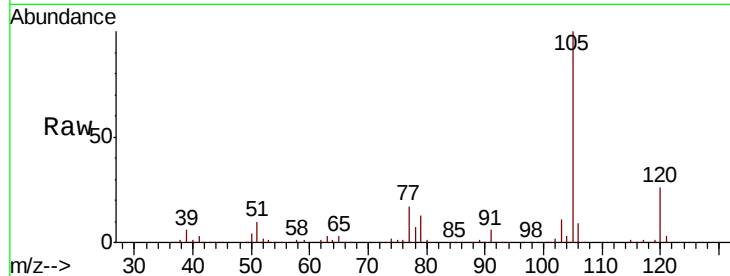
Tot Ion:105 Resp: 259838

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

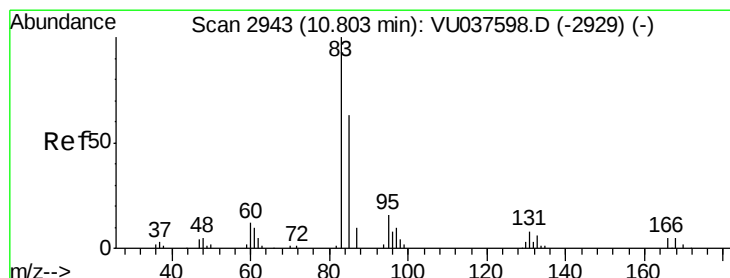
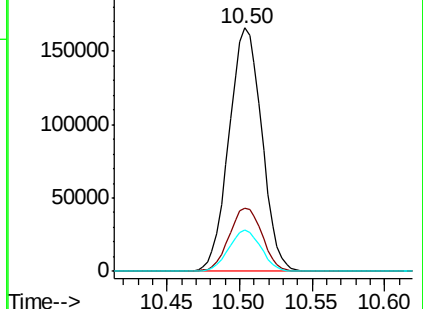
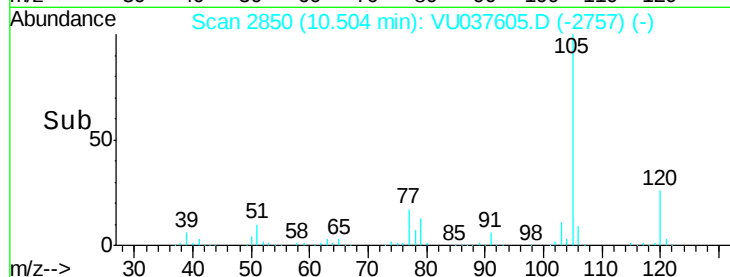
77 16.6 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 59.155 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

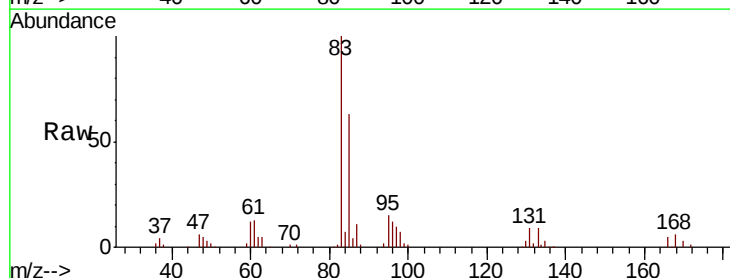
Tgt Ion: 83 Resp: 109174

Ion Ratio Lower Upper

83 100

85 62.6 44.2 82.2

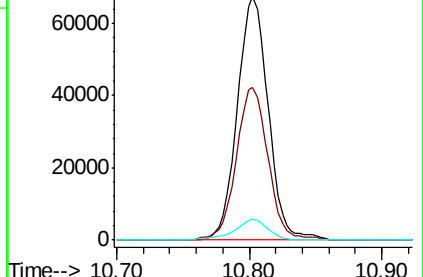
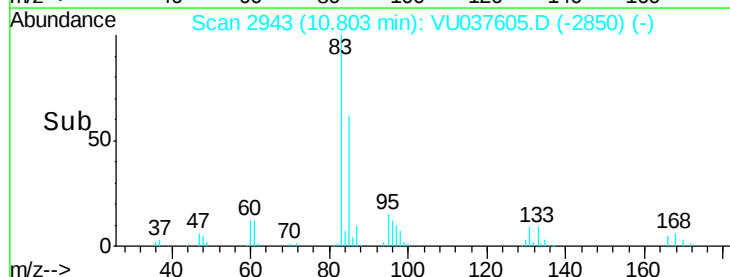
131 8.5 7.2 10.8

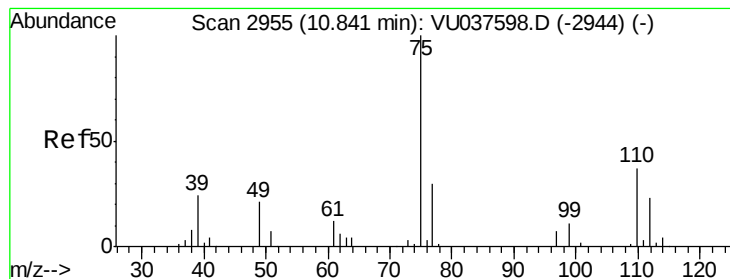


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

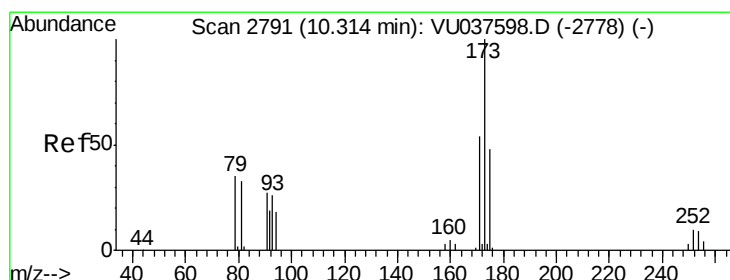
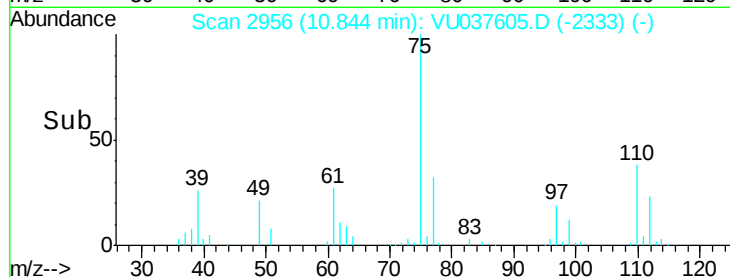
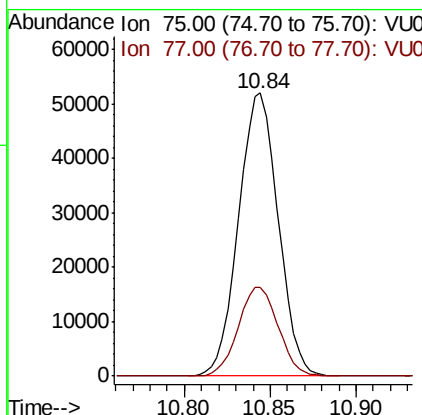
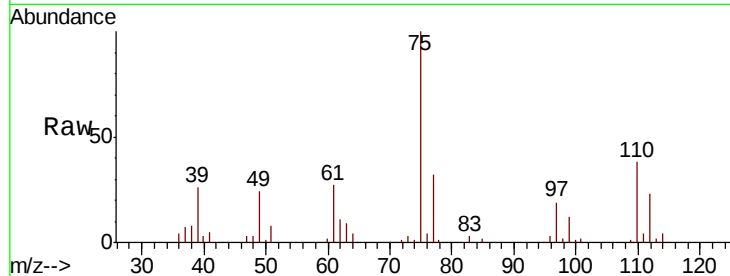




#59
 1,2,3-Trichloropropane
 Concen: 58.001 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

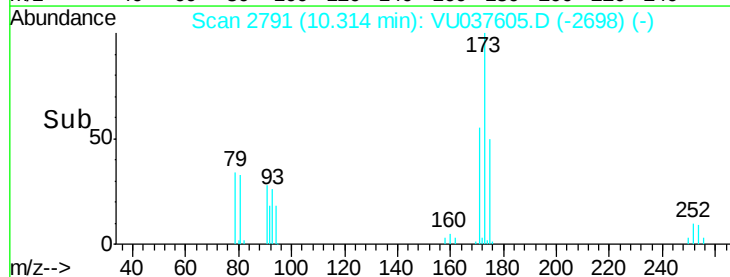
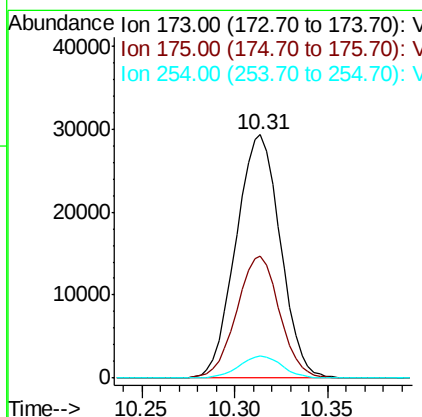
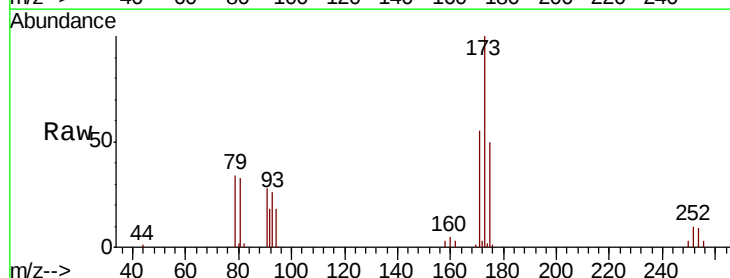
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

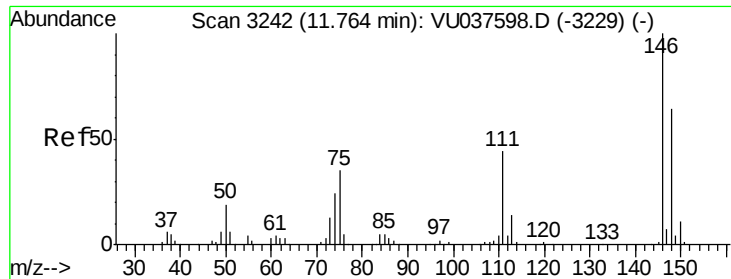
Tot Ion: 75 Resp: 83606
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3



#61
 Bromoform
 Concen: 58.287 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Tgt Ion: 173 Resp: 48838
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.6 58.0
 254 8.8 7.4 11.2

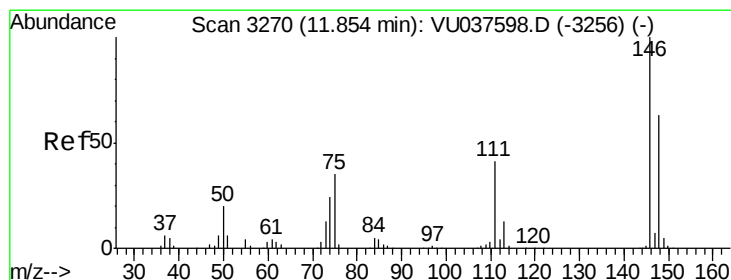
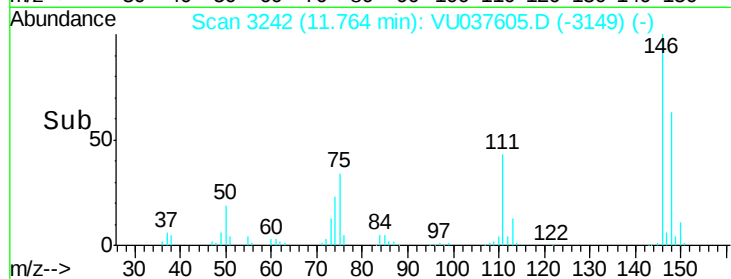
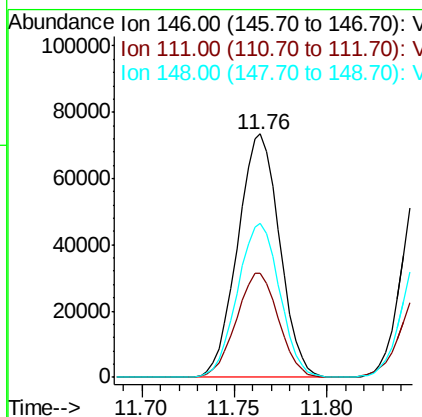
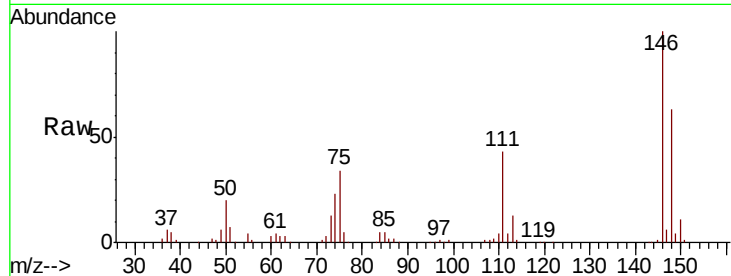




#62
 1,3-Dichlorobenzene
 Concen: 54.703 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

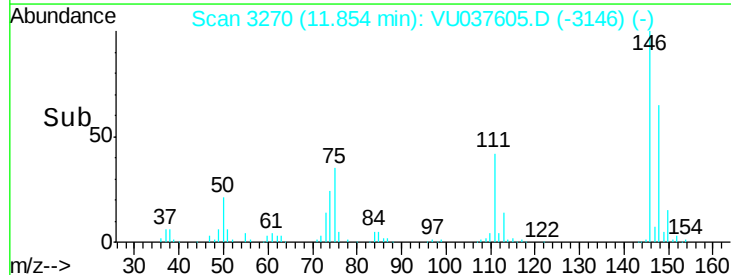
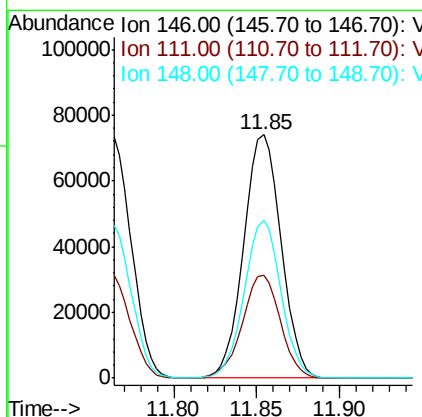
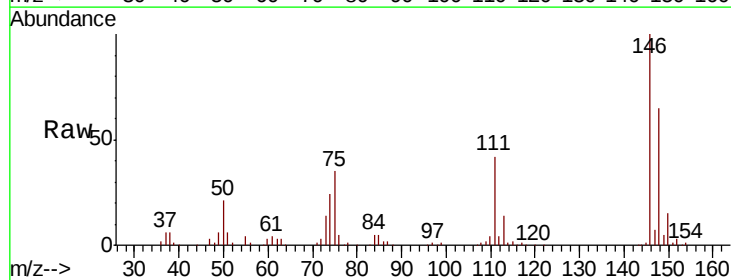
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

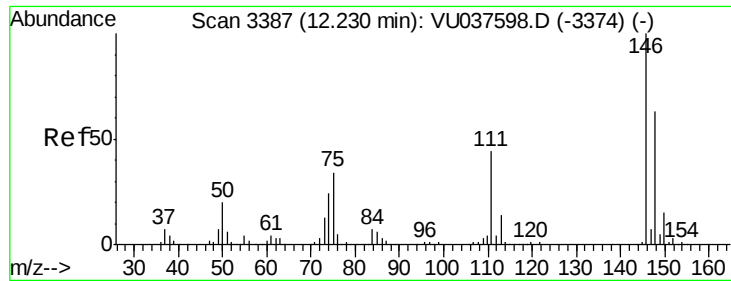
Tot Ion:146 Resp: 115773
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.1 57.7
 148 63.2 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 54.495 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Tgt Ion:146 Resp: 116403
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.1 55.9
 148 64.9 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 55.631 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

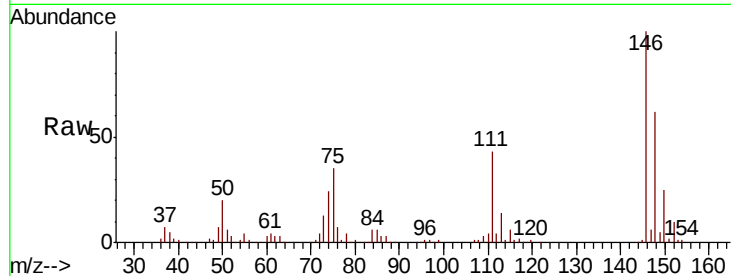
Tot Ion:146 Resp: 116578

Ion Ratio Lower Upper

146 100

111 43.1 35.6 53.4

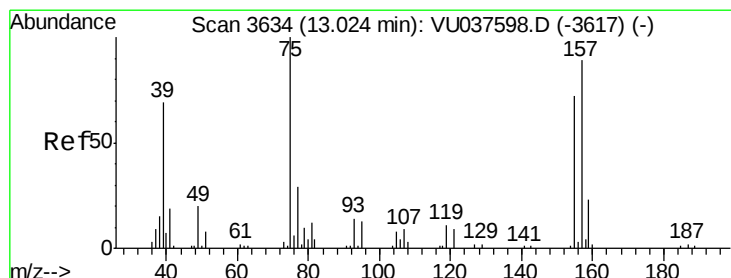
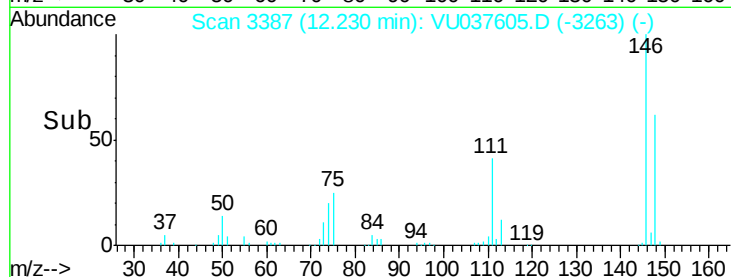
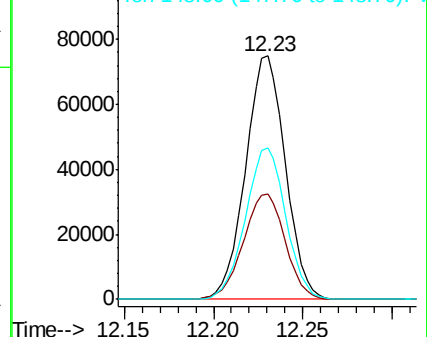
148 62.5 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 55.303 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

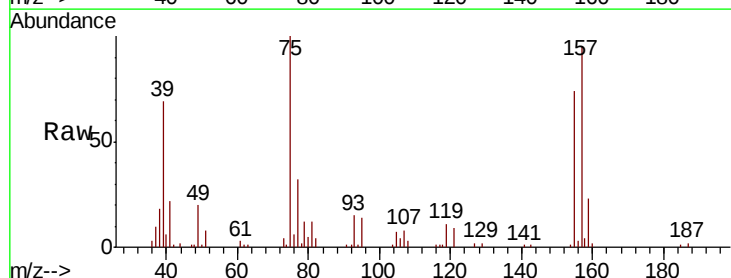
Tgt Ion: 75 Resp: 27798

Ion Ratio Lower Upper

75 100

155 74.1 56.6 85.0

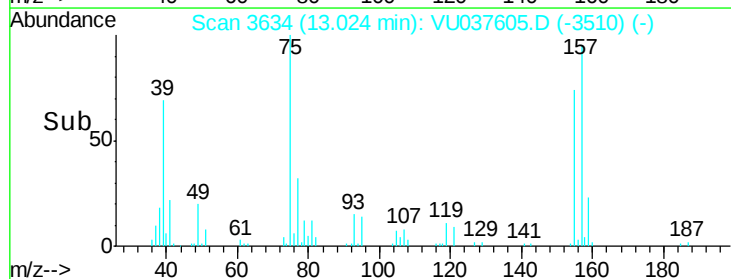
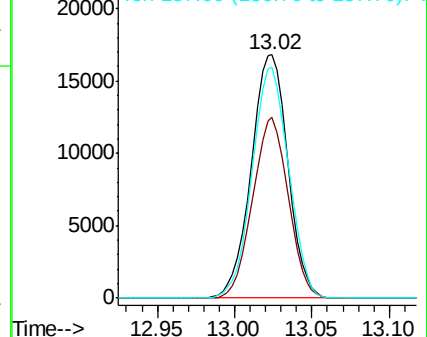
157 95.0 72.4 108.6

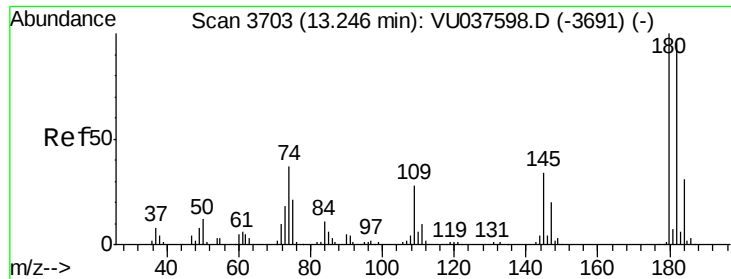


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

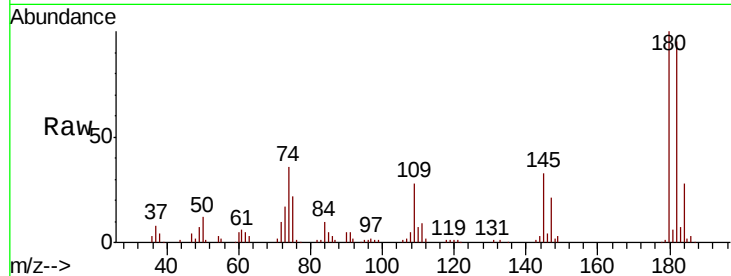




#67
 1,3,5-Trichlorobenzene
 Concen: 55.379 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.9	112.3
184	29.4	23.6	35.4
145	32.5	25.7	38.5

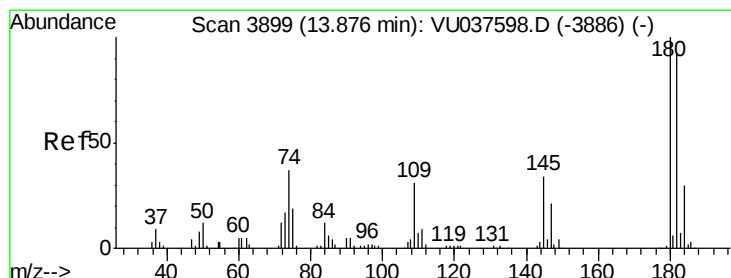
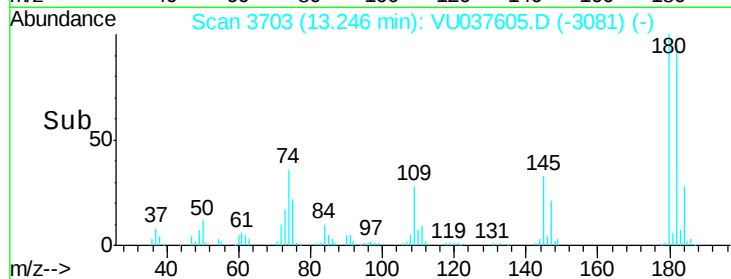
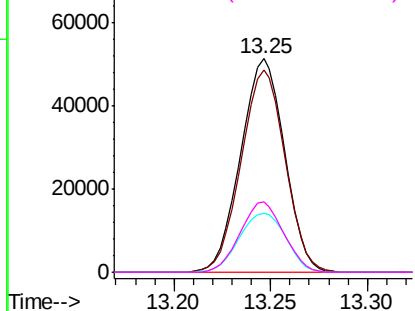


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

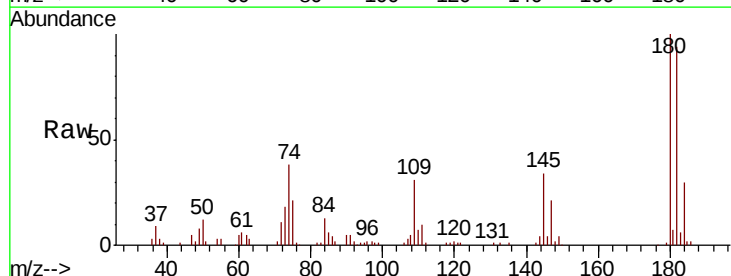
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.818 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037605.D
 Acq: 07 Apr 2020 14:46

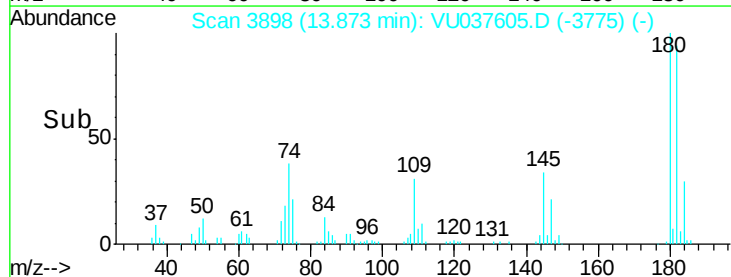
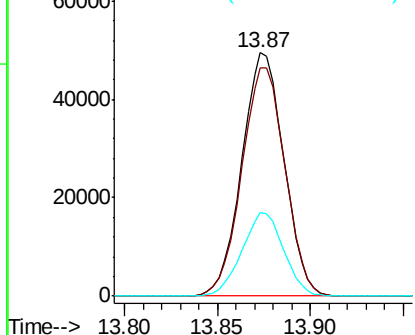
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	74.4	111.6
145	34.0	26.9	40.3

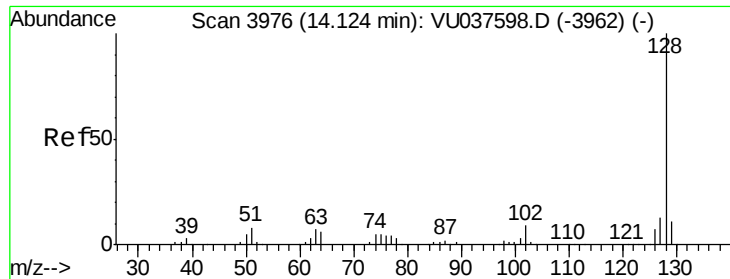


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.458 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

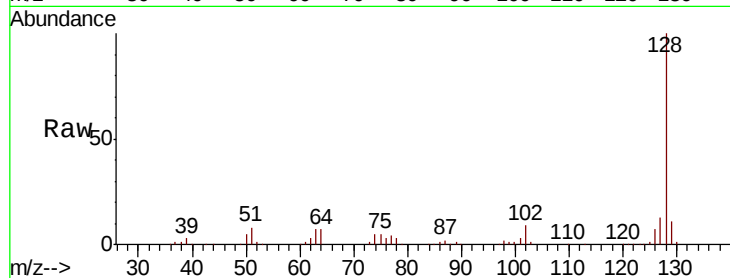
Tot Ion:128 Resp: 299367

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

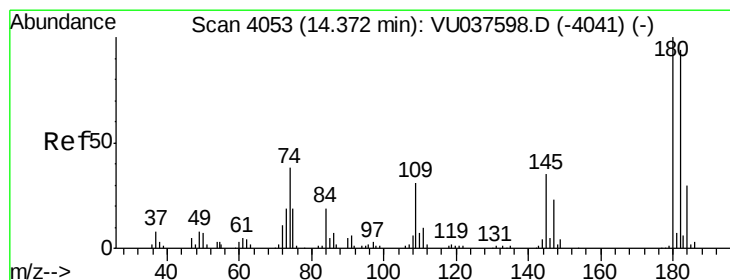
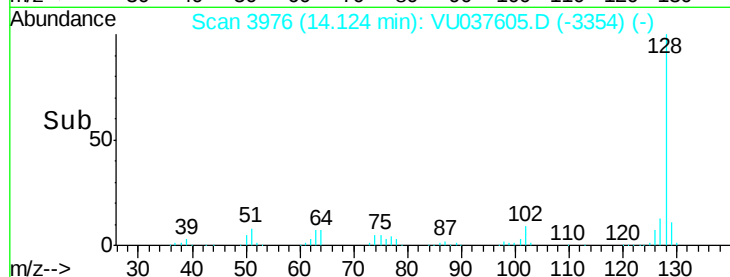
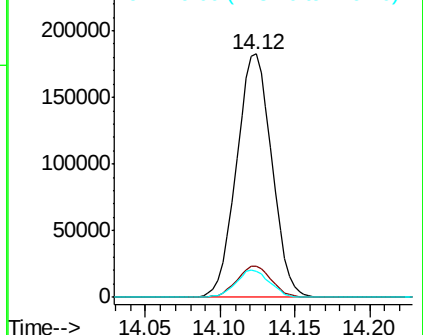
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.970 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU037605.D

Acq: 07 Apr 2020 14:46

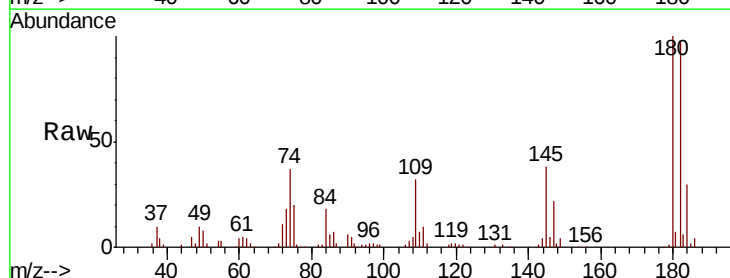
Tgt Ion:180 Resp: 77767

Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 35.8 29.0 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

