

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037785.D
 Acq On : 17 Apr 2020 19:37
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 01:24:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 01:19:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	249748	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	241978	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79778	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.93	69	74043	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.59	63	148586	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.66	46	315275	60.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.48%
24) Chloroform-d	5.10	84	160887	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.74	65	95847	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.76	84	317267	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.72	67	112271	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	275581	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.20	79	47062	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.65	63	276572	56.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.06%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	92727	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	109488	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	109096	5.035 ug/L	99
3) Chloromethane	1.54	50	132114	4.932 ug/L	100
5) Vinyl chloride	1.62	62	131852	5.010 ug/L	100
6) Bromomethane	1.87	94	57675	3.817 ug/L	99
8) Chloroethane	1.95	64	74958	4.851 ug/L	99
9) Trichlorofluoromethane	2.16	101	138835	4.917 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	78597	4.780 ug/L	98
12) 1,1-Dichloroethene	2.60	96	78853	4.575 ug/L	96
13) Acetone	2.66	43	170260	49.754 ug/L	98
14) Carbon disulfide	2.82	76	281939	4.480 ug/L	99
15) Methyl Acetate	2.98	43	48801	5.129 ug/L	99
16) Methylene chloride	3.08	84	97076	4.996 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	257349	5.157 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	90818	4.861 ug/L	99
19) 1,1-Dichloroethane	3.91	63	186607	5.163 ug/L	98
21) 2-Butanone	4.75	43	323045	51.957 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	101625	5.034 ug/L	94

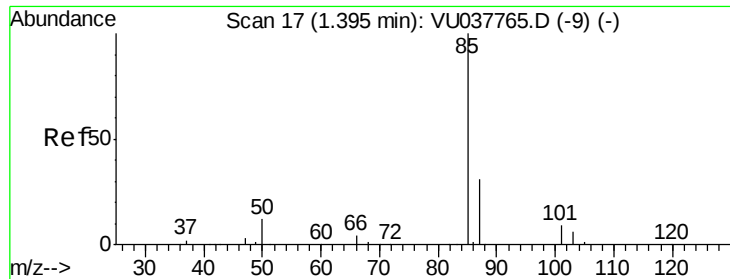
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 01:19:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	42742	4.995	ug/L	96
25) Chloroform	5.13	83	180653	5.262	ug/L	100
27) 1,2-Dichloroethane	5.83	62	123248	5.311	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	145823	4.967	ug/L	99
30) Cyclohexane	5.42	56	175145	4.820	ug/L	96
31) Carbon tetrachloride	5.56	117	115057	4.918	ug/L	98
33) Benzene	5.81	78	393274	4.919	ug/L	100
34) Trichloroethene	6.57	95	95715	4.871	ug/L	98
35) Methylcyclohexane	6.79	83	163695	4.754	ug/L	97
37) 1,2-Dichloropropane	6.82	63	108628	5.123	ug/L	99
38) Bromodichloromethane	7.13	83	128326	5.090	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	165002	4.971	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	818609	52.513	ug/L	98
42) Toluene	7.99	91	410745	4.905	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	142782	4.955	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	72824	5.097	ug/L	98
47) Tetrachloroethene	8.57	164	67622	4.789	ug/L	96
48) 2-Hexanone	8.71	43	584284	52.350	ug/L	97
49) Dibromochloromethane	8.83	129	81801	5.009	ug/L	98
50) 1,2-Dibromoethane	8.94	107	68044	4.952	ug/L	97
51) Chlorobenzene	9.47	112	249101	4.875	ug/L	97
52) Ethylbenzene	9.59	91	455379	4.888	ug/L	98
53) m,p-Xylene	9.71	106	169756	4.814	ug/L	100
54) o-Xylene	10.12	106	170458	4.911	ug/L	96
55) Styrene	10.13	104	286500	4.829	ug/L	96
56) Isopropylbenzene	10.50	105	441905	4.854	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	93932	5.050	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	72875	5.251	ug/L	100
61) Bromoform	10.31	173	46321	4.827	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	198095	4.897	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	195356	4.815	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	184146	4.836	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17822	5.049	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	145389	4.901	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	132413	4.863	ug/L	99
69) Naphthalene	14.11	128	271208	4.918	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	121201	4.996	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.035 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

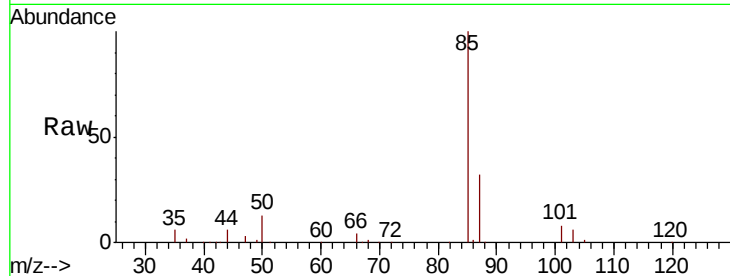
ClientSampleId :

Tot Ion: 85 Resp: 109096

Ion Ratio Lower Upper

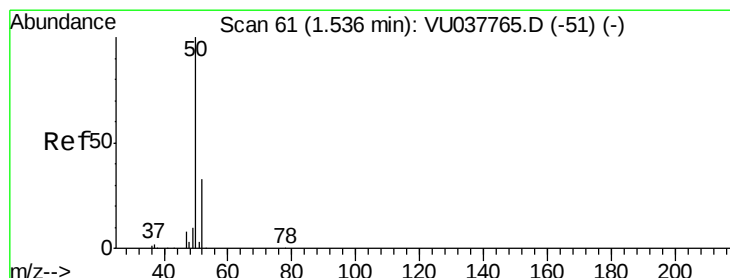
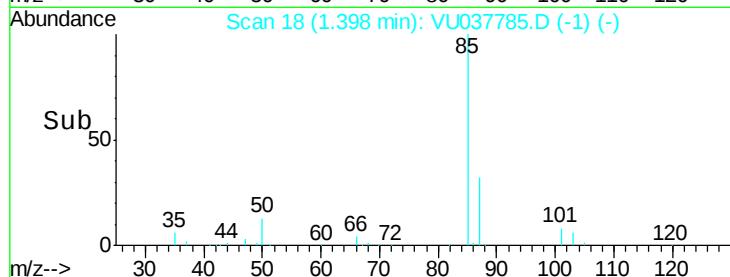
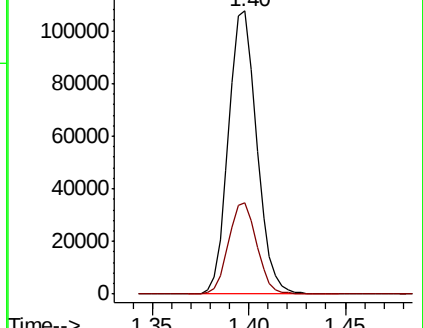
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037785.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037785.D (-1) (-)



#3

Chloromethane

Concen: 4.932 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037785.D

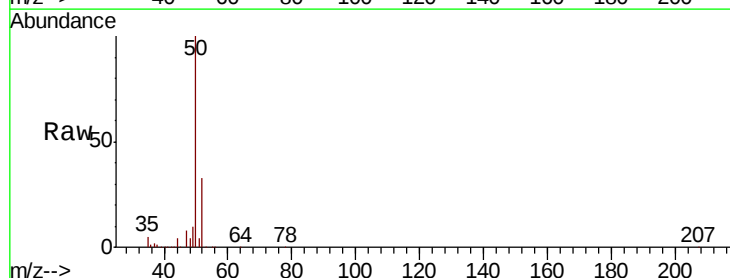
Acq: 17 Apr 2020 19:37

Tgt Ion: 50 Resp: 132114

Ion Ratio Lower Upper

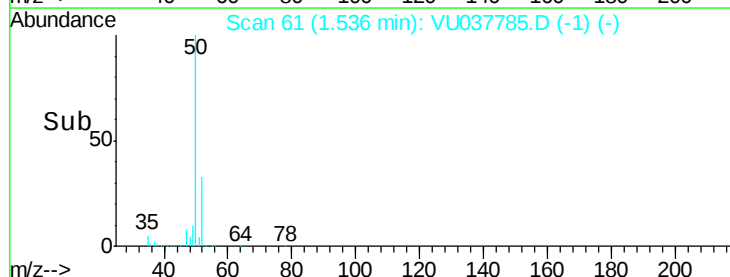
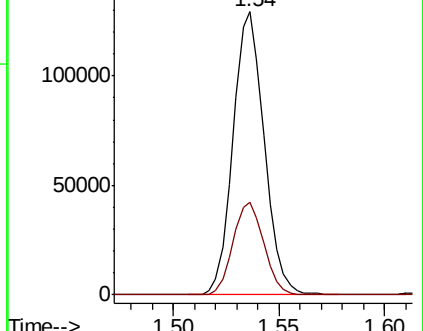
50 100

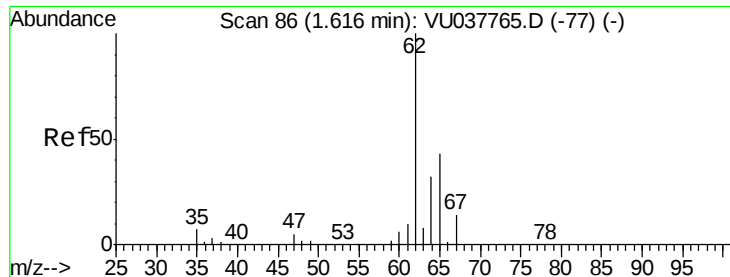
52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037785.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU037785.D (-1) (-)





#5

Vinyl chloride

Concen: 5.010 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

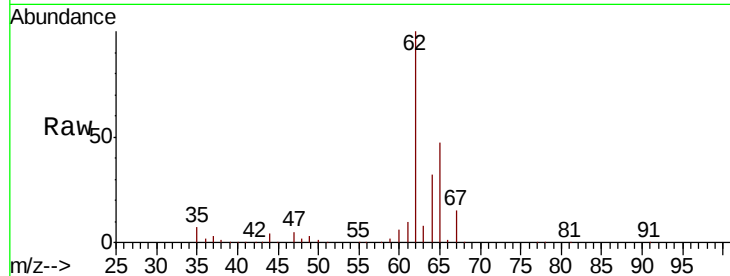
ClientSampleId :

Tot Ion: 62 Resp: 131852

Ion Ratio Lower Upper

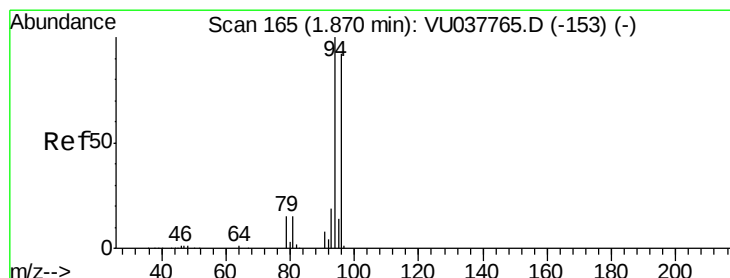
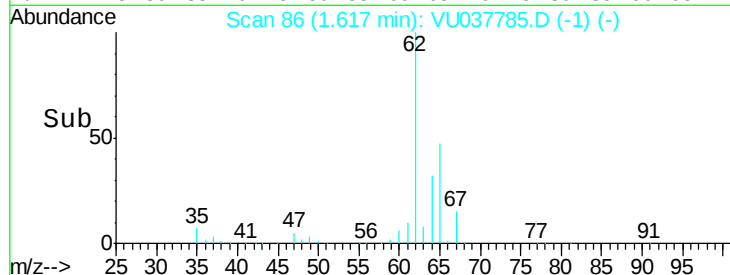
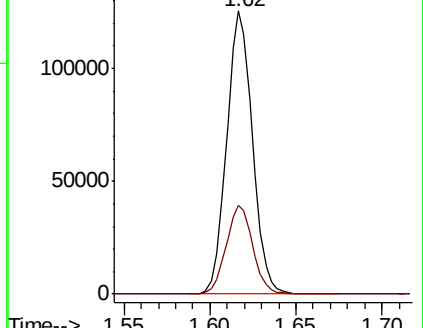
62 100

64 31.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037785.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037785.D (-1) (-)



#6

Bromomethane

Concen: 3.817 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037785.D

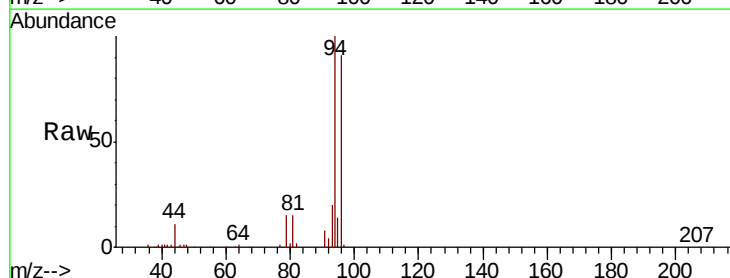
Acq: 17 Apr 2020 19:37

Tgt Ion: 94 Resp: 57675

Ion Ratio Lower Upper

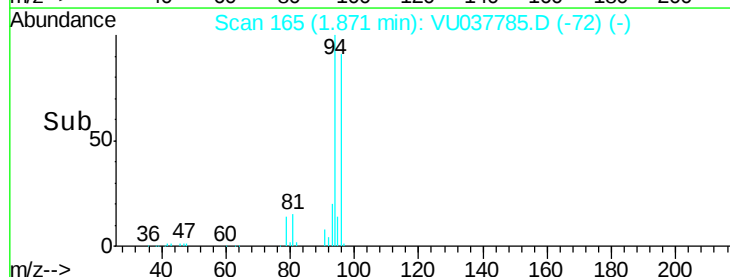
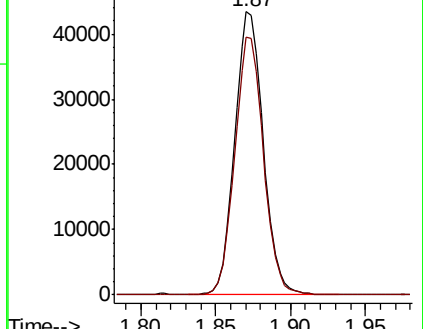
94 100

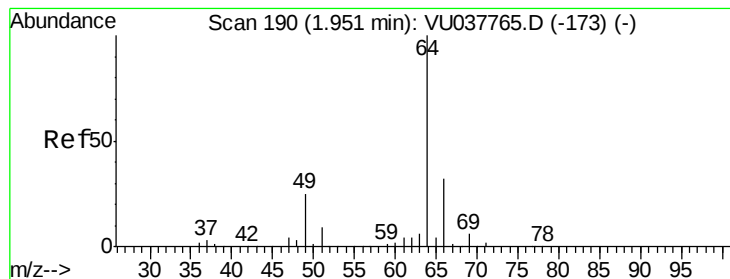
96 91.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037785.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037785.D (-72) (-)





#8

Chloroethane

Concen: 4.851 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

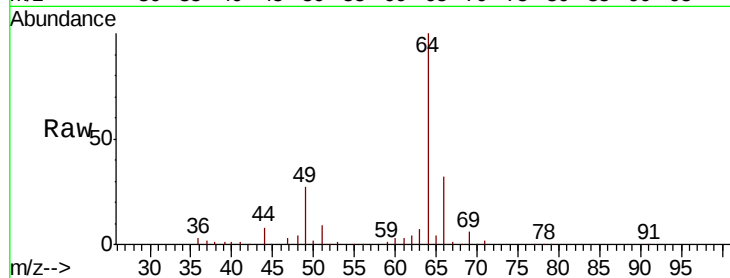
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 74958

Ion Ratio Lower Upper

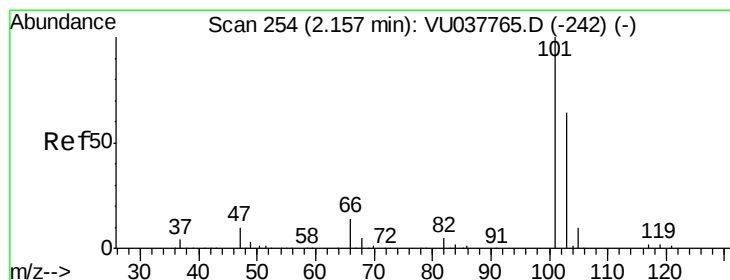
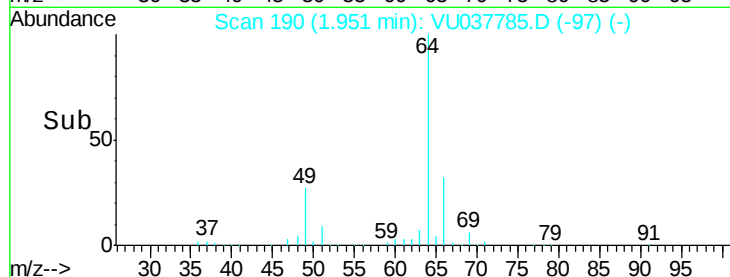
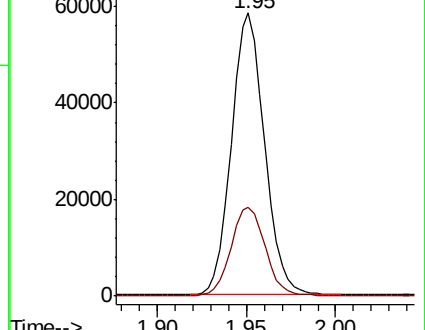
64 100

66 31.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU037785.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU037785.D (-173) (-)



#9

Trichlorofluoromethane

Concen: 4.917 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037785.D

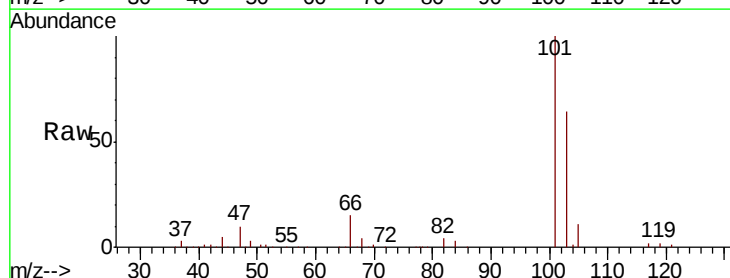
Acq: 17 Apr 2020 19:37

Tgt Ion:101 Resp: 138835

Ion Ratio Lower Upper

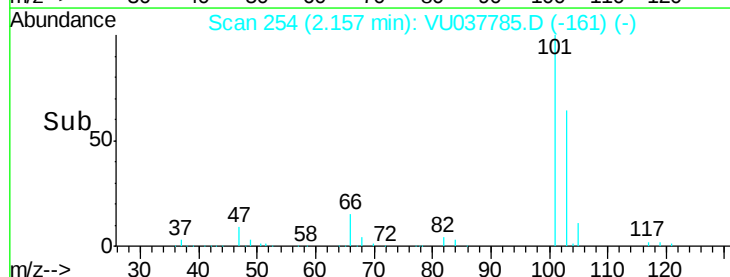
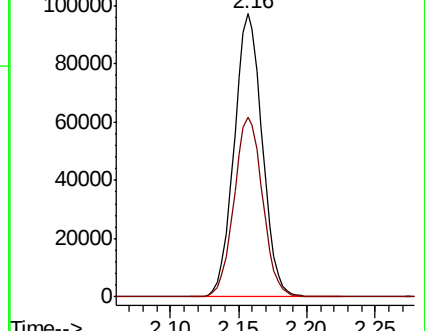
101 100

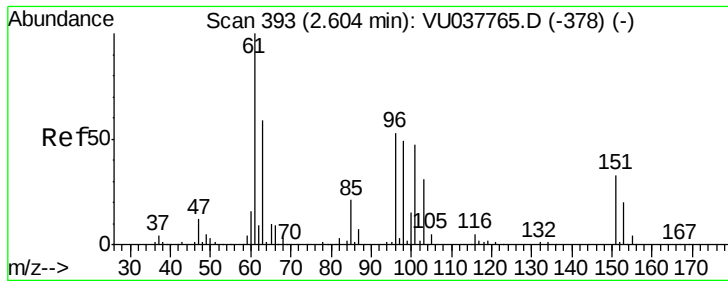
103 64.6 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU037785.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037785.D (-242) (-)





#10

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

Concen: 4.780 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

ClientSampled :

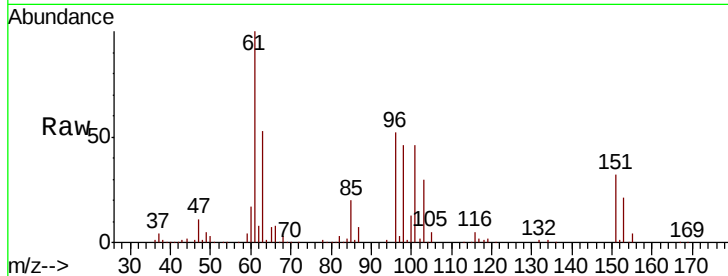
Tot Ion:101 Resp: 78597

Ion Ratio Lower Upper

101 100

85 44.4 34.5 51.7

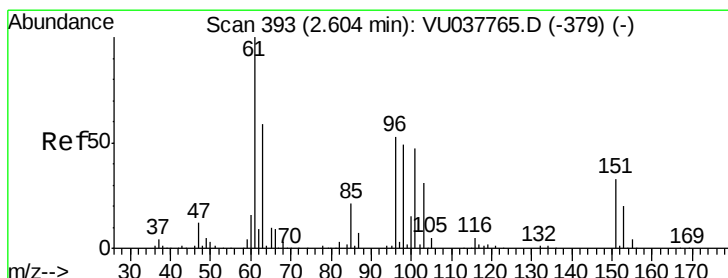
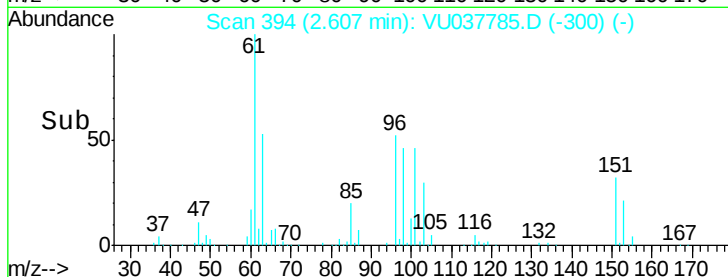
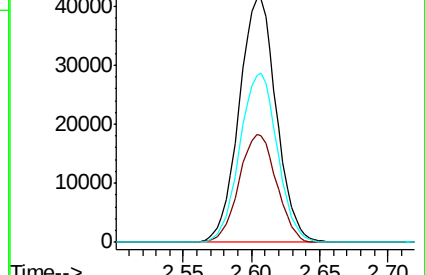
151 69.4 56.9 85.3



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: 4.575 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

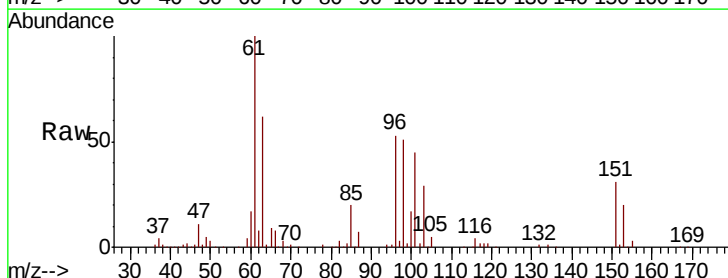
Tgt Ion: 96 Resp: 78853

Ion Ratio Lower Upper

96 100

61 188.6 127.7 237.3

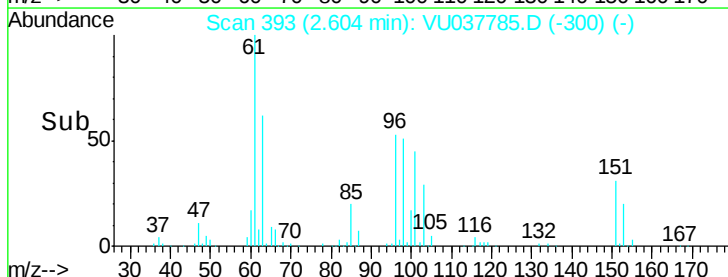
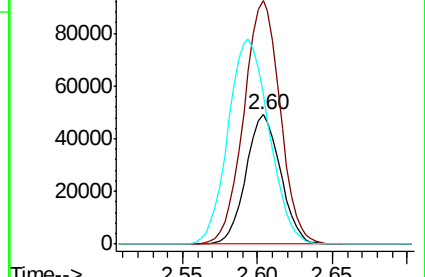
63 116.3 85.0 157.8

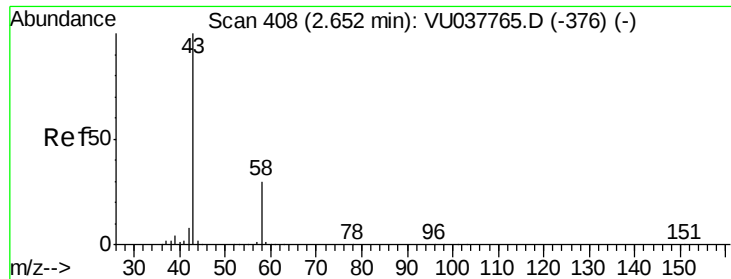


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.754 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

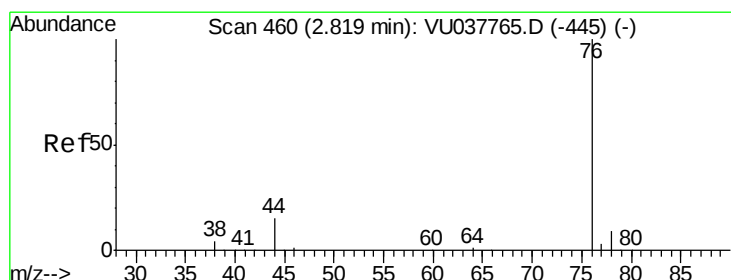
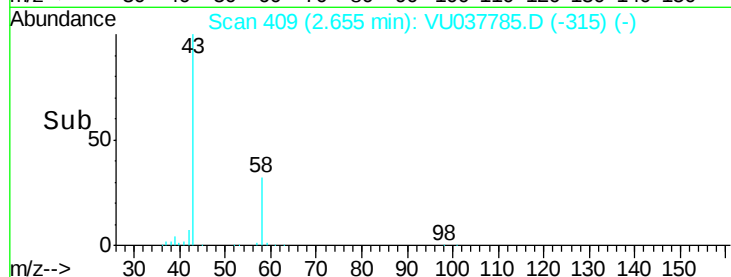
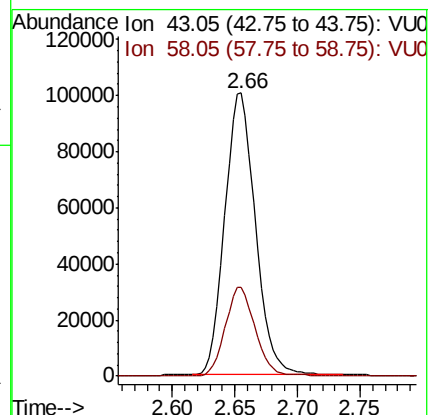
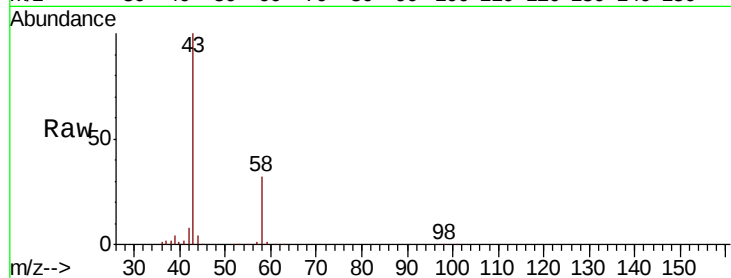
ClientSampleId :

Tot Ion: 43 Resp: 170260

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.8



#14

Carbon disulfide

Concen: 4.480 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037785.D

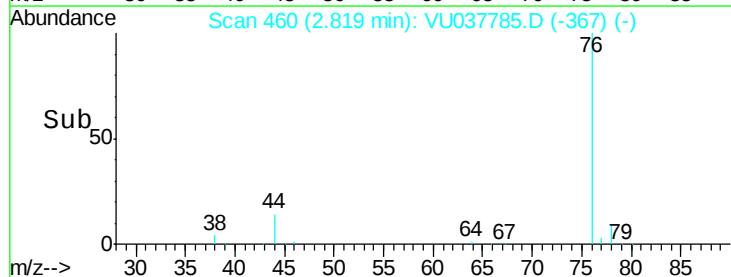
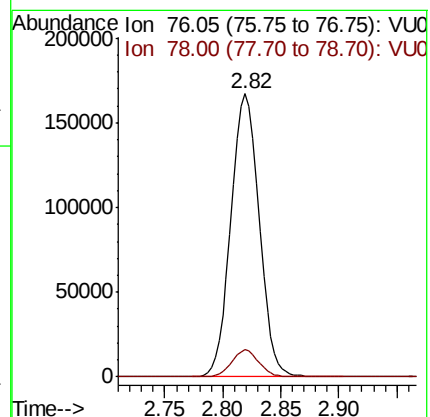
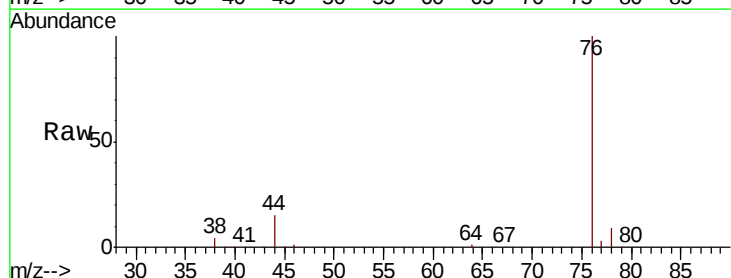
Acq: 17 Apr 2020 19:37

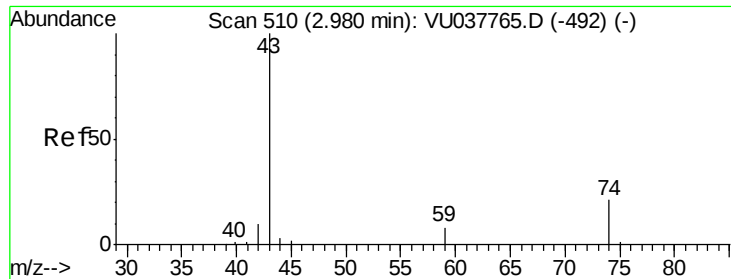
Tgt Ion: 76 Resp: 281939

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





#15

Methyl Acetate

Concen: 5.129 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

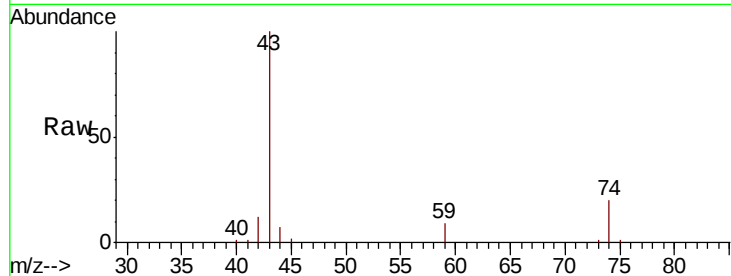
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 48801

Ion Ratio Lower Upper

43 100

74 20.8 17.2 25.8



Abundance Ion 43.05 (42.75 to 43.75): VU037785.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU037785.D (-492) (-)

2.98

30000

25000

20000

15000

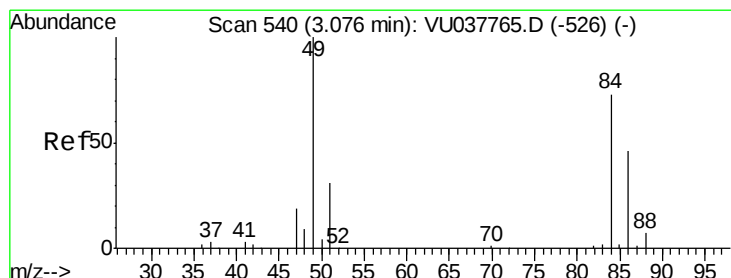
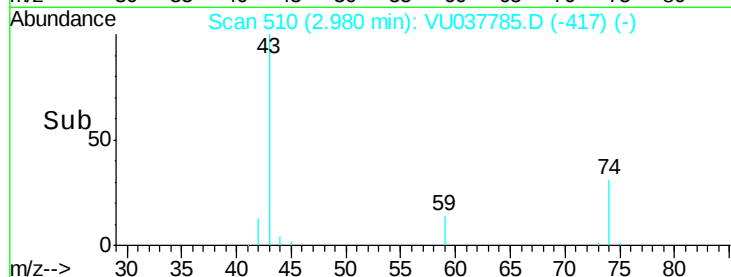
10000

5000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 4.996 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

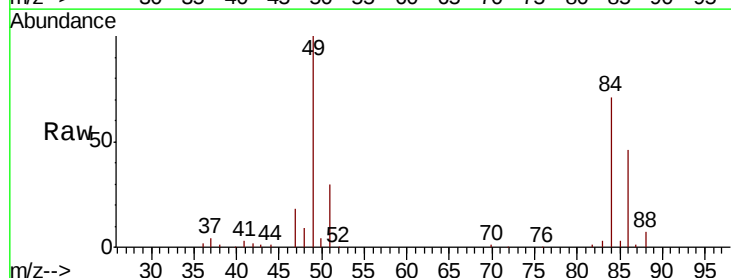
Tgt Ion: 84 Resp: 97076

Ion Ratio Lower Upper

84 100

86 65.1 44.2 82.0

49 140.8 92.4 171.6



Abundance Ion 84.05 (83.75 to 84.75): VU037785.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU037785.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU037785.D (-526) (-)

100000

80000

60000

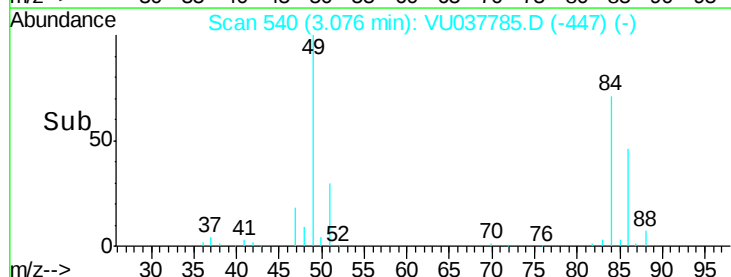
40000

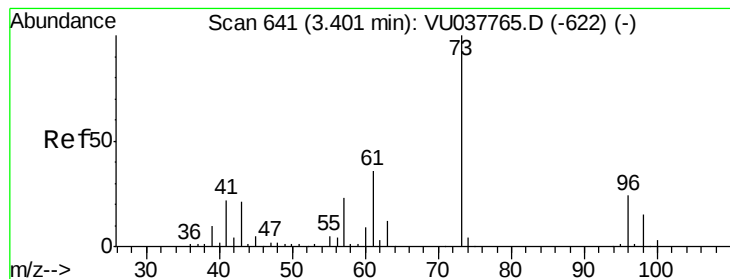
20000

0

Time-->

3.00 3.05 3.10 3.15



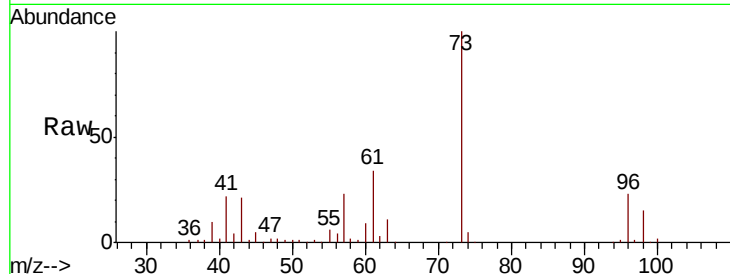


#17

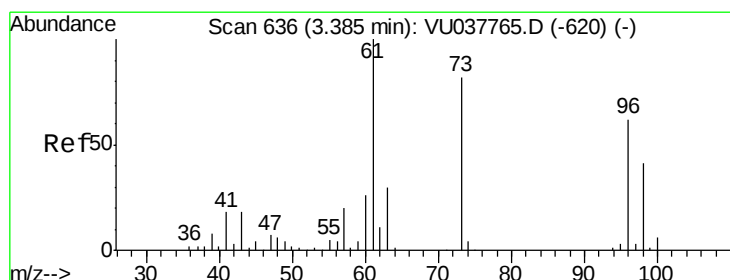
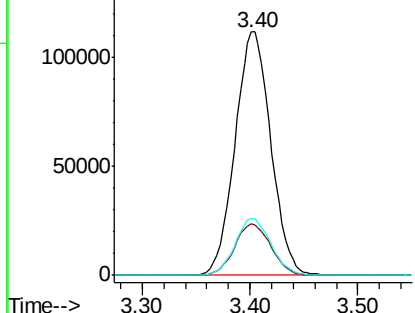
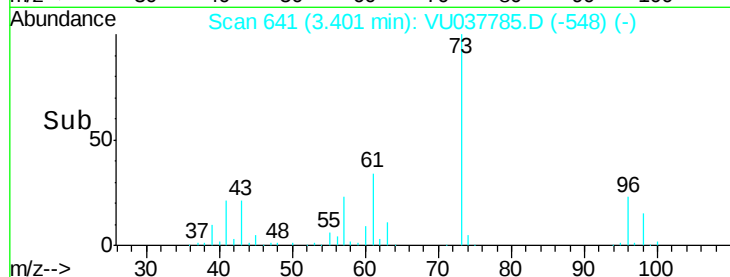
Methvl tert-butvl Ether
 Concen: 5.157 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 257349
 Ion Ratio Lower Upper
 73 100
 43 21.6 16.4 24.6
 57 23.4 18.4 27.6



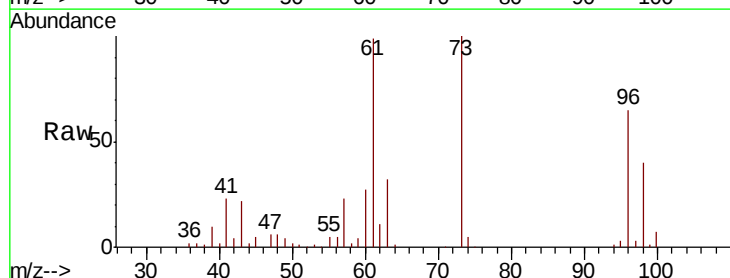
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



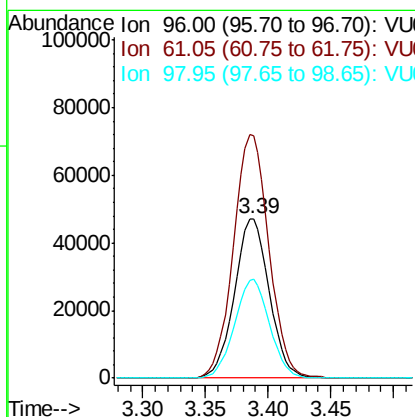
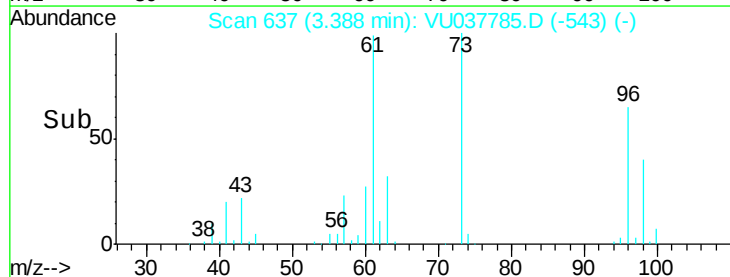
#18

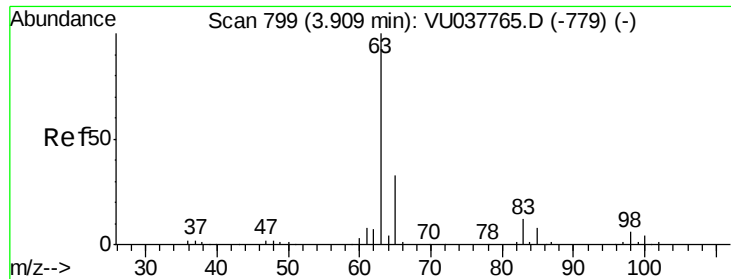
trans-1,2-Dichloroethene
 Concen: 4.861 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion: 96 Resp: 90818
 Ion Ratio Lower Upper
 96 100
 61 152.2 106.7 198.3
 98 61.8 44.3 82.3



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

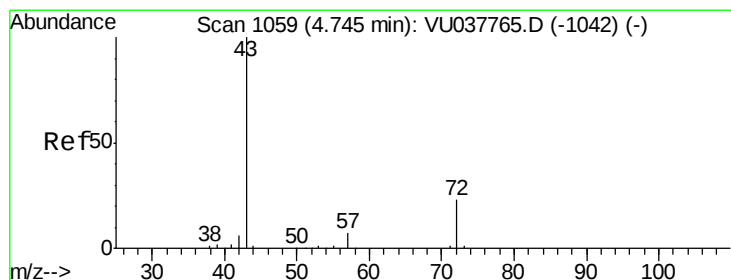
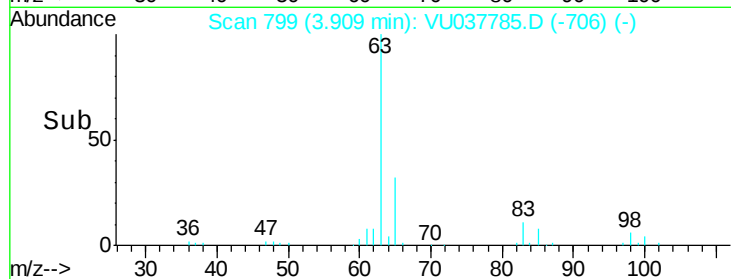
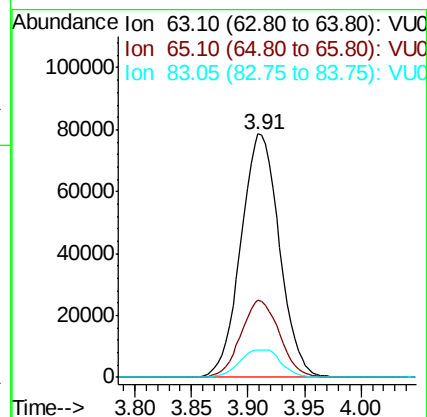
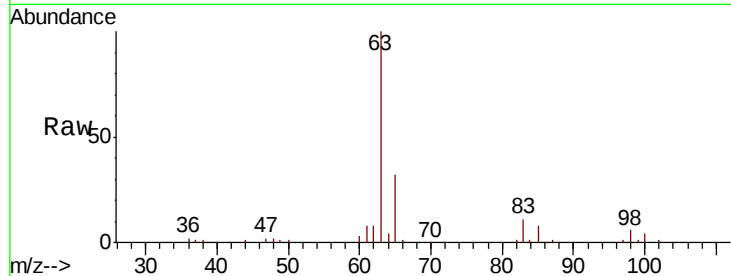




#19
 1,1-Dichloroethane
 Concen: 5.163 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

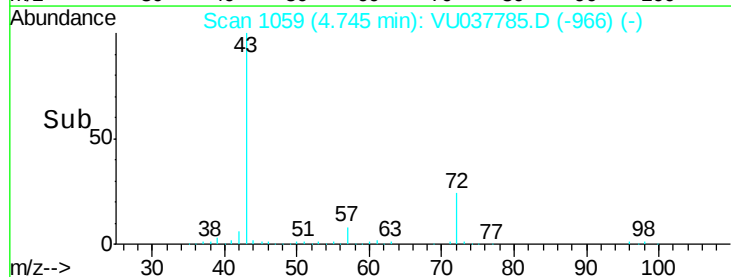
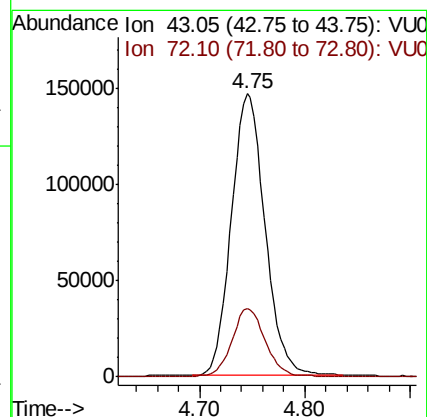
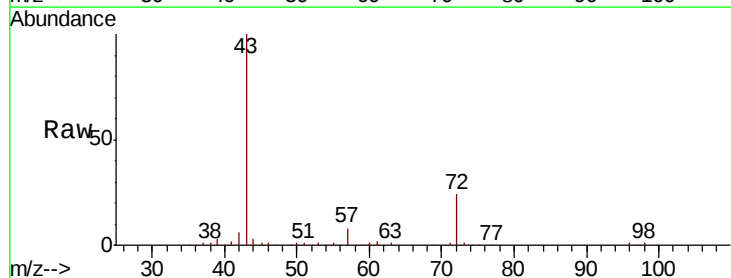
Instrument :
 MSVOA_U
 ClientSampled :

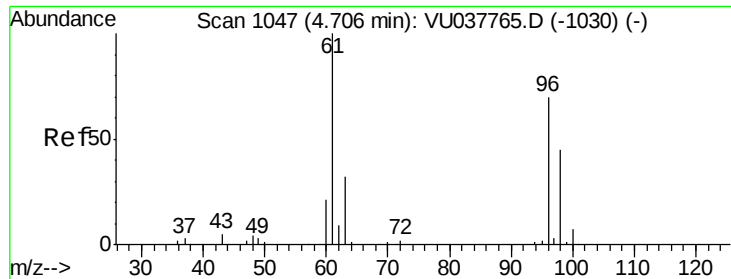
Tot Ion: 63 Resp: 186607
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.2
 83 11.2 8.6 16.0



#21
 2-Butanone
 Concen: 51.957 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion: 43 Resp: 323045
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.6 37.6

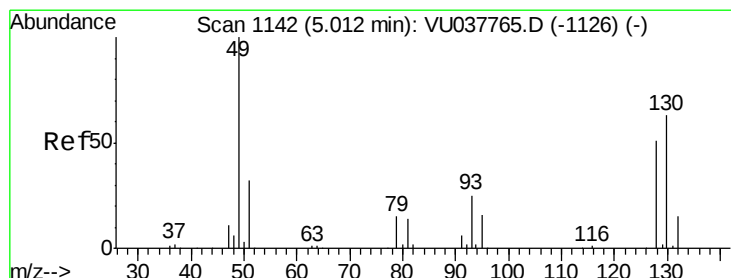
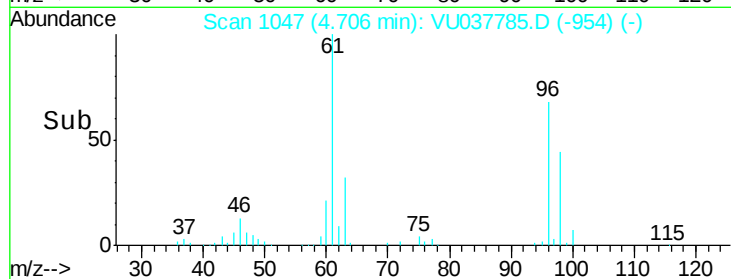
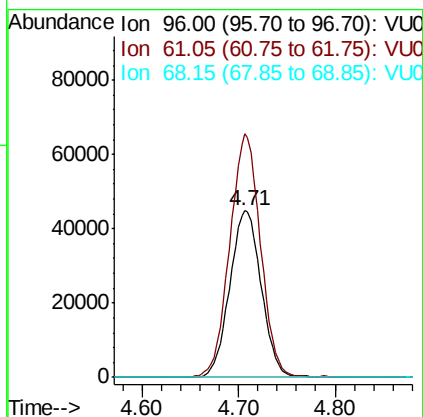
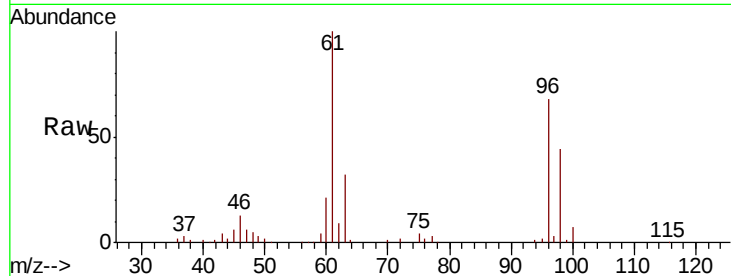




#22
 cis-1,2-Dichloroethene
 Concen: 5.034 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

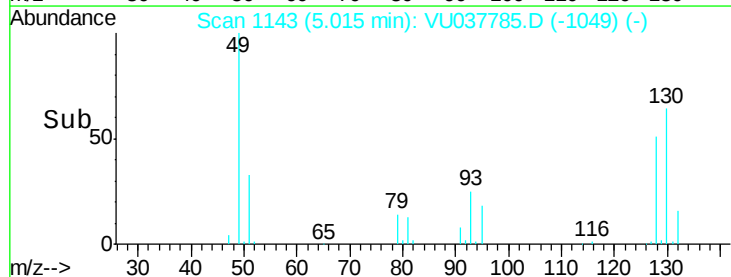
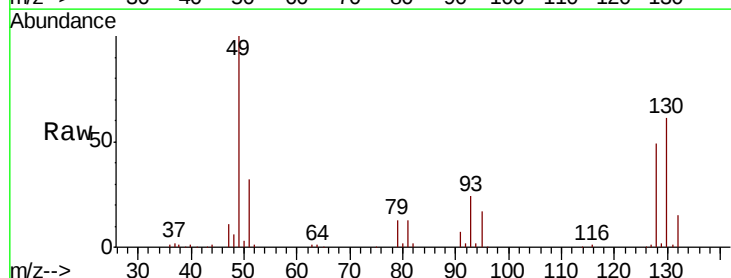
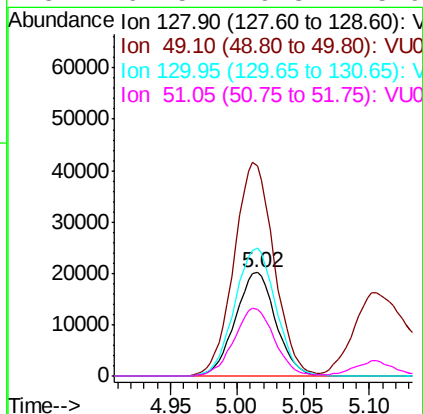
Instrument :
 MSVOA_U
 ClientSampleId :

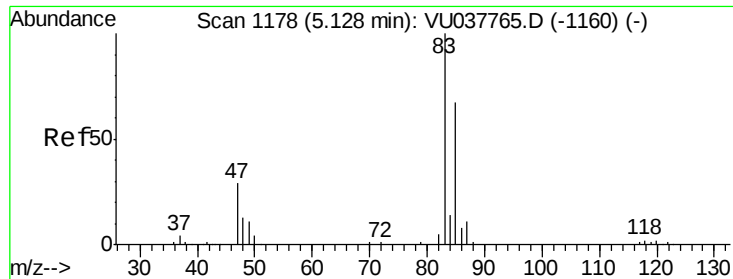
Tot Ion: 96 Resp: 101625
 Ion Ratio Lower Upper
 96 100
 61 146.4 97.0 180.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.995 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion: 128 Resp: 42742
 Ion Ratio Lower Upper
 128 100
 49 202.7 138.6 257.4
 130 123.5 91.3 169.5
 51 64.5 49.3 73.9

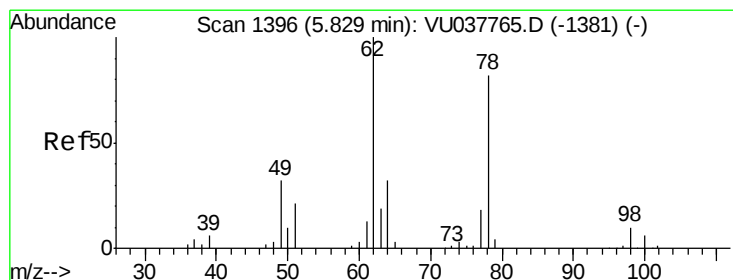
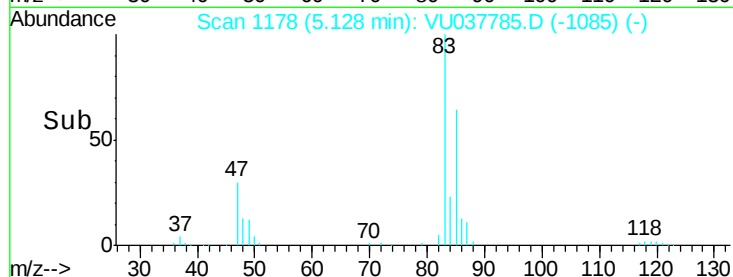
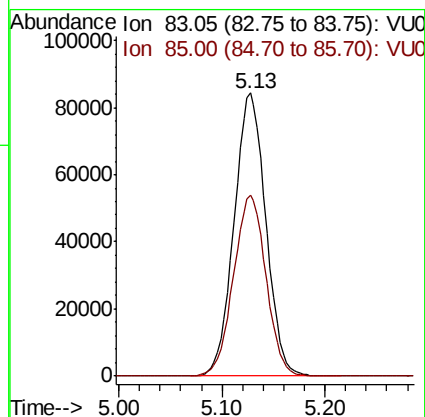
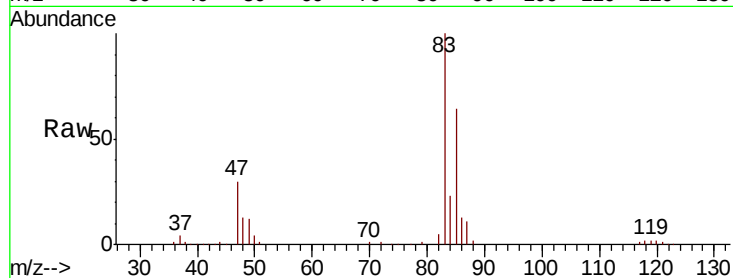




#25
Chloroform
Concen: 5.262 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

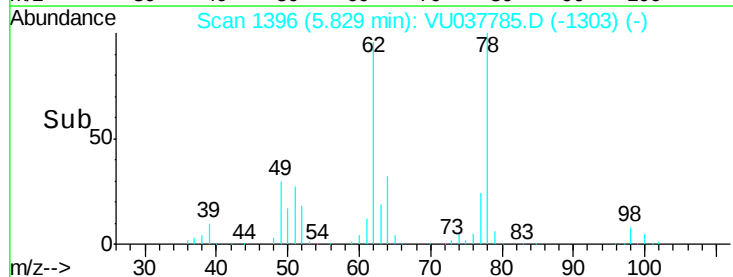
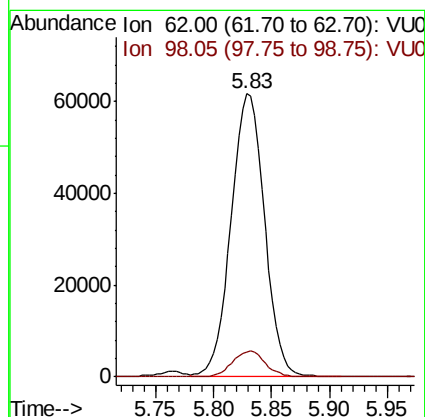
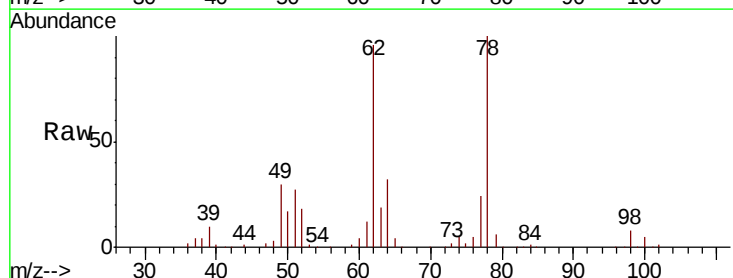
Instrument :
MSVOA_U
ClientSampleId :

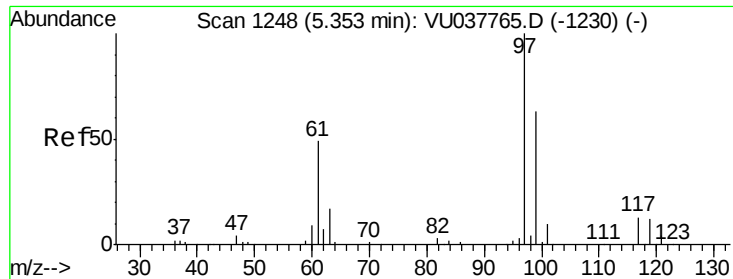
Tot Ion: 83 Resp: 180653
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 5.311 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion: 62 Resp: 123248
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

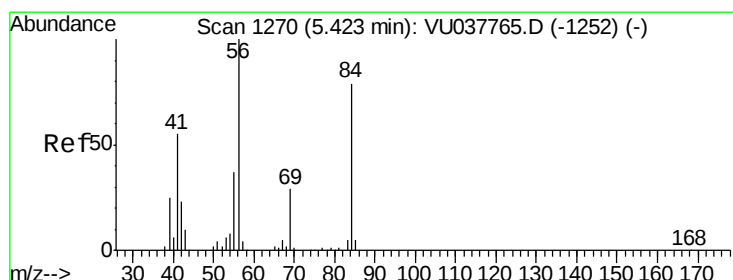
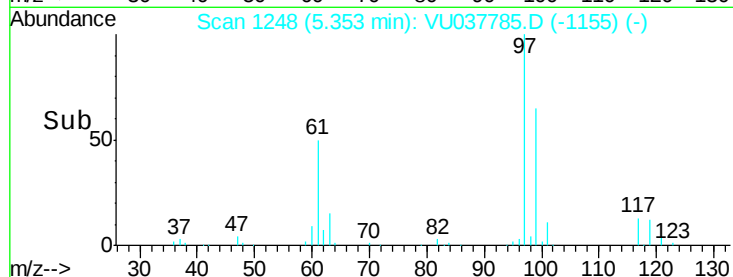
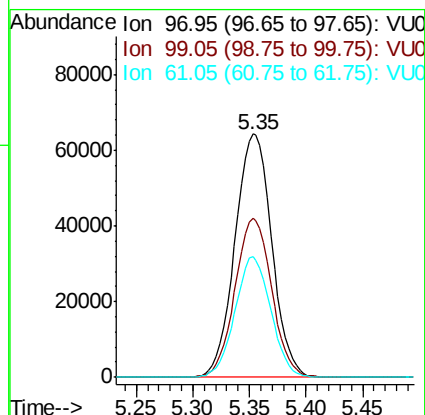
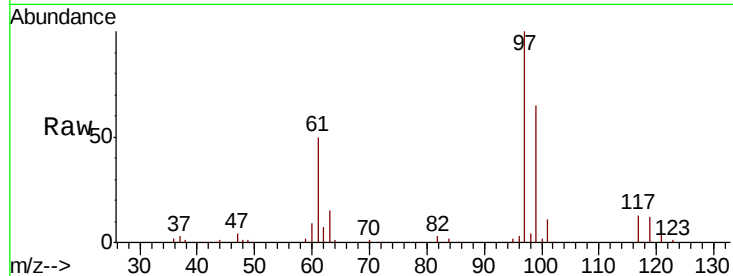




#29
1,1,1-Trichloroethane
Concen: 4.967 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

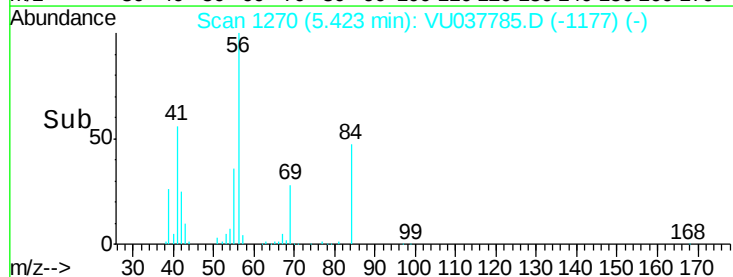
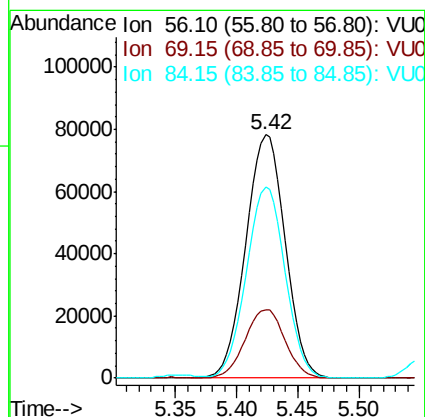
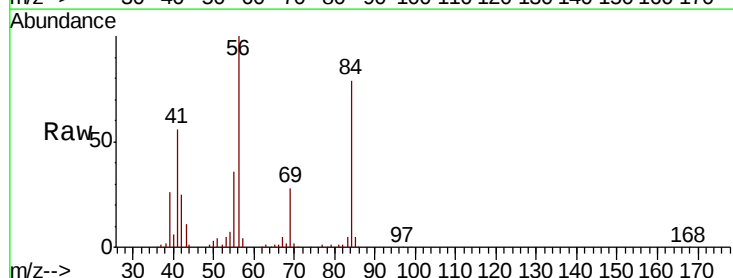
Instrument :
MSVOA_U
ClientSampleId :

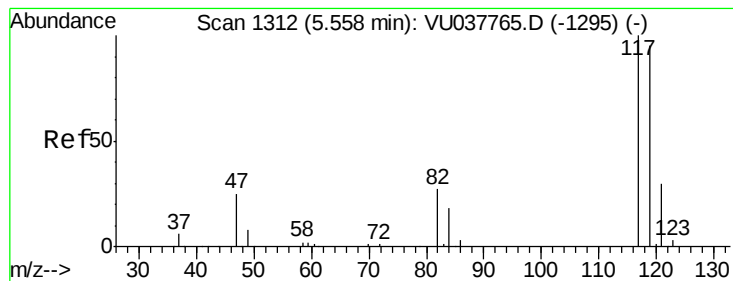
Tot Ion: 97 Resp: 145823
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 48.1 37.8 56.8



#30
Cyclohexane
Concen: 4.820 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion: 56 Resp: 175145
Ion Ratio Lower Upper
56 100
69 28.7 23.9 35.9
84 77.4 65.6 98.4





#31

Carbon tetrachloride

Concen: 4.918 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

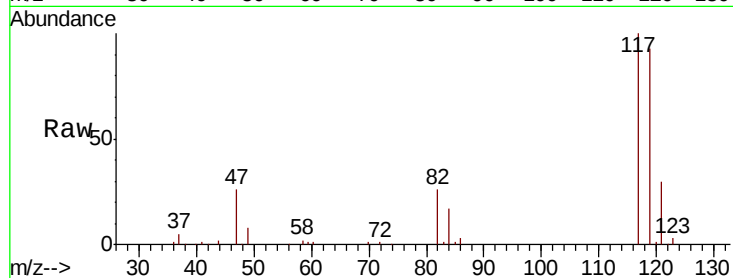
ClientSampleId :

Tot Ion:117 Resp: 115057

Ion Ratio Lower Upper

117 100

119 94.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

60000

50000

40000

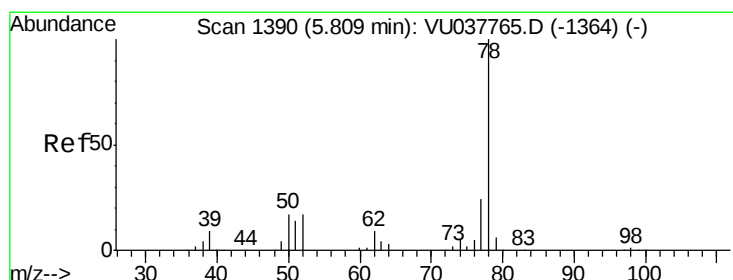
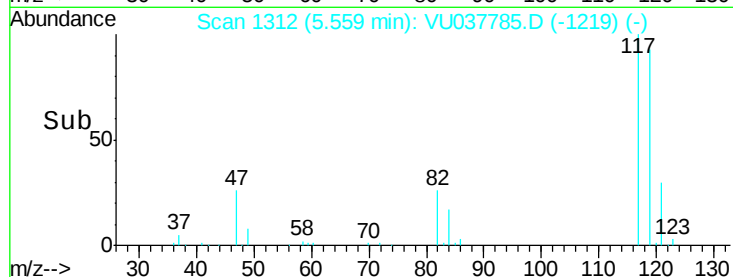
30000

20000

10000

0

Time-->



#33

Benzene

Concen: 4.919 ug/L

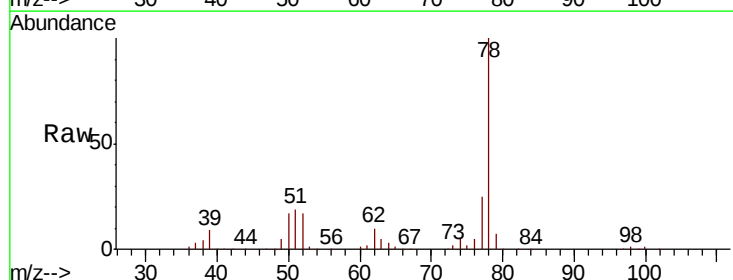
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Tgt Ion: 78 Resp: 393274



Abundance Ion 78.10 (77.80 to 78.80): VU0

200000

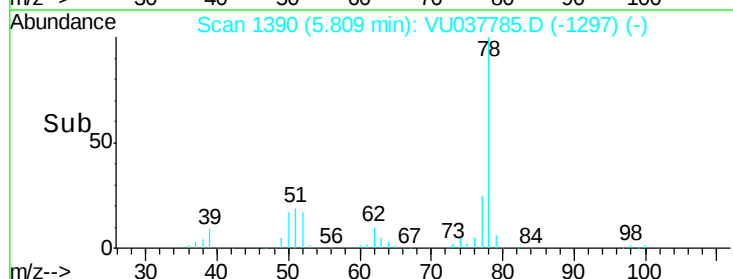
150000

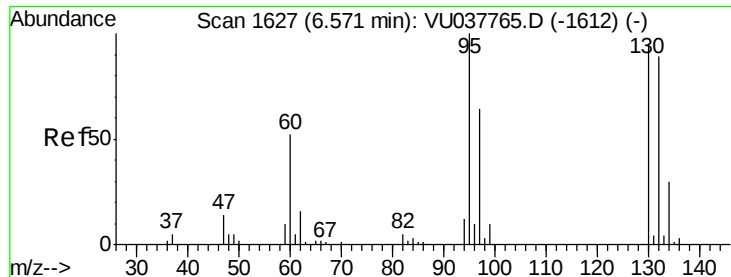
100000

50000

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Time-->

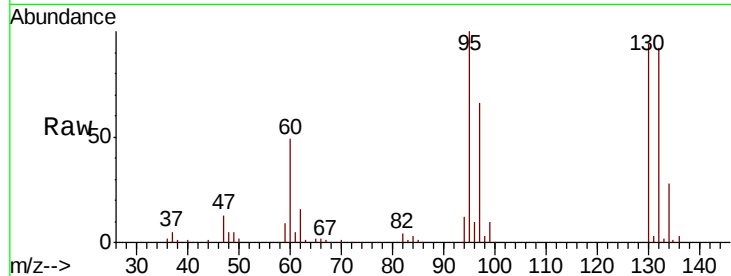




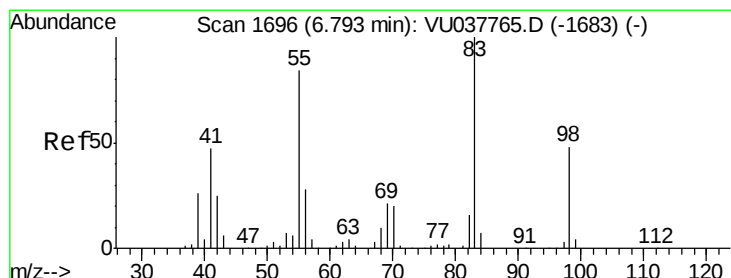
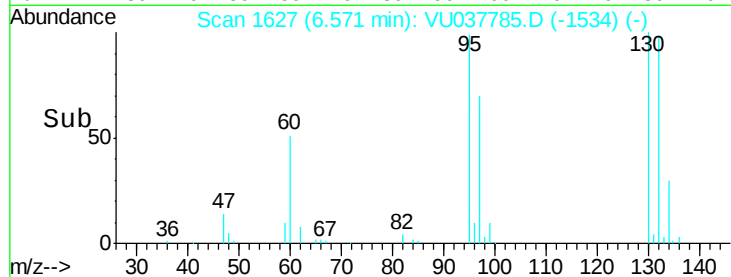
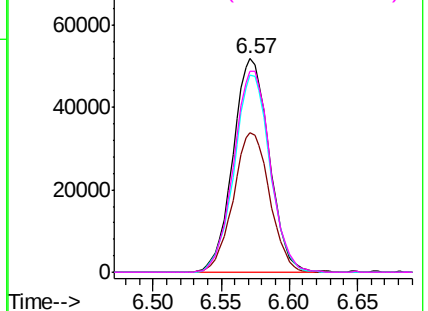
#34
 Trichloroethene
 Concen: 4.871 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 95715
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.4 84.2
 132 92.5 63.7 118.3
 130 94.3 68.7 127.5

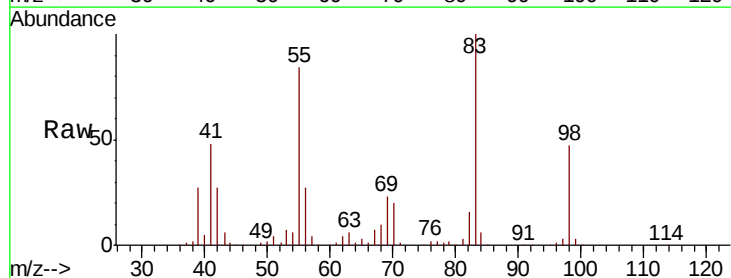


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

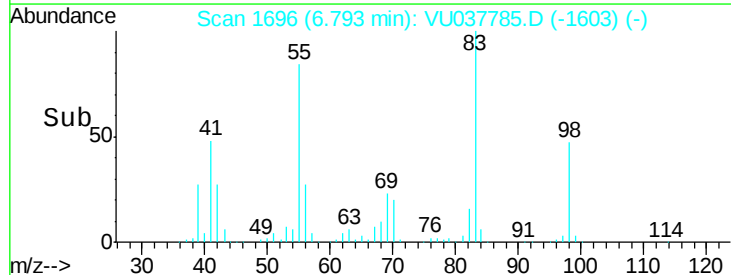
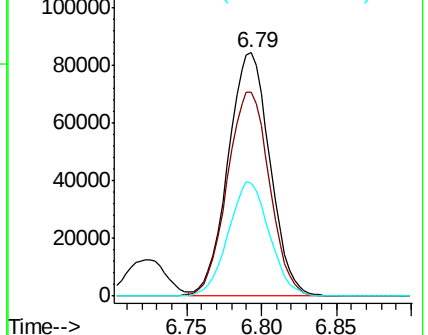


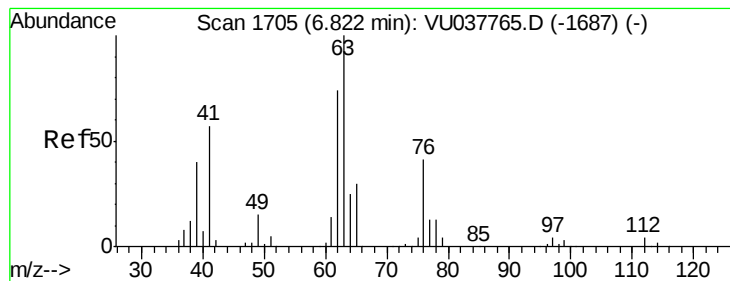
#35
 Methylcyclohexane
 Concen: 4.754 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion: 83 Resp: 163695
 Ion Ratio Lower Upper
 83 100
 55 85.2 65.5 98.3
 98 46.4 38.2 57.4



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: 5.123 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

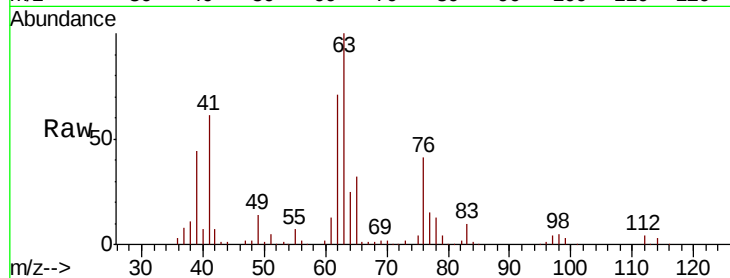
ClientSampleId :

Tot Ion: 63 Resp: 108628

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037785.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037785.D (-1687) (-)

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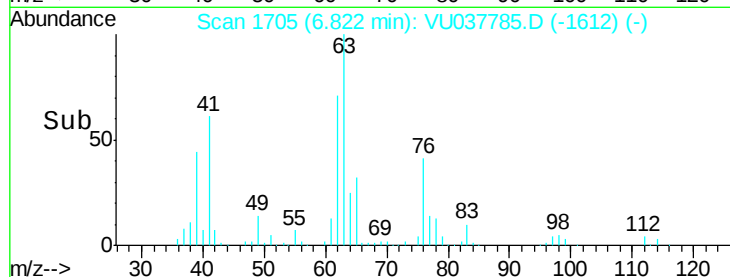
6.82

6.82

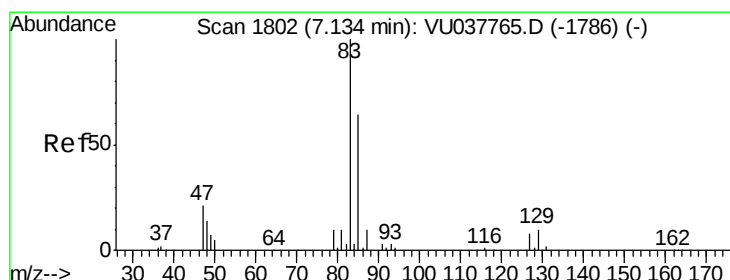
6.82

6.82

6.82



Time-->



#38

Bromodichloromethane

Concen: 5.090 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

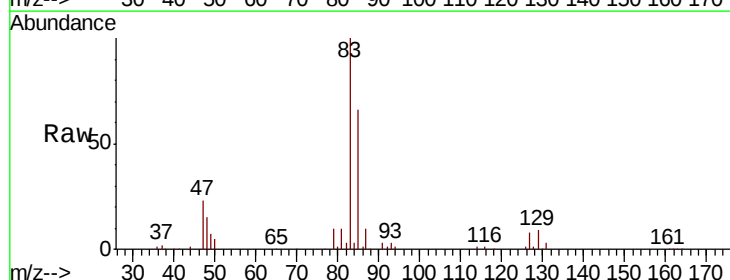
Tgt Ion: 83 Resp: 128326

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.7

127 8.0 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037785.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU037785.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU037785.D (-1786) (-)

7.13

7.13

7.13

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7.13

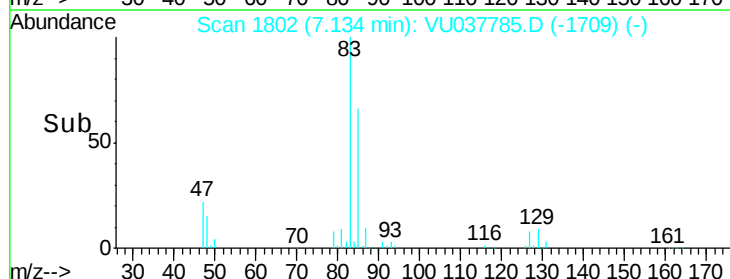
7.13

7.13

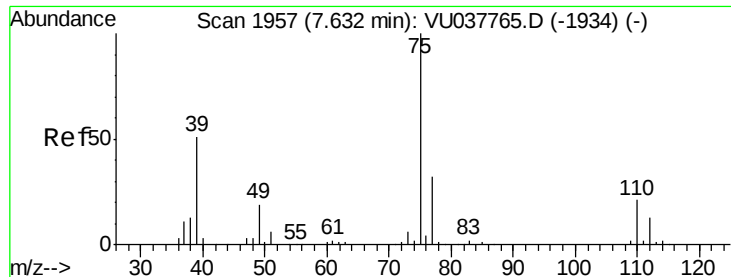
7.13

7.13

7.13



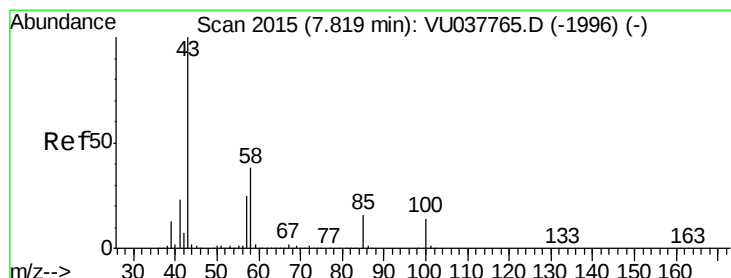
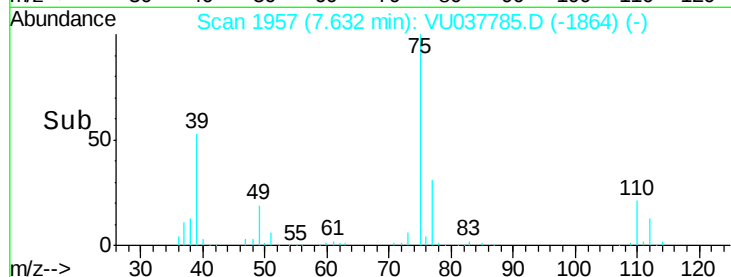
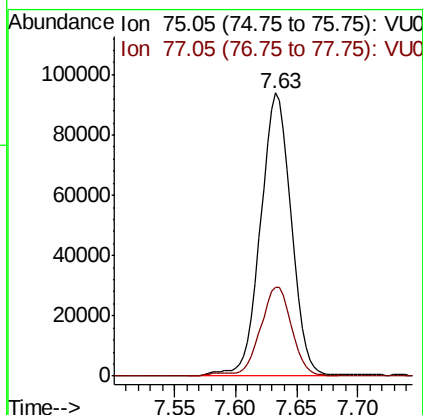
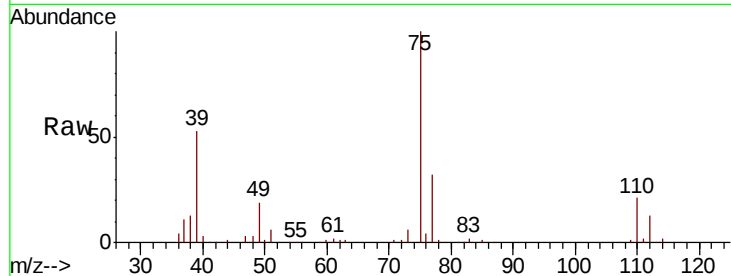
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 4.971 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

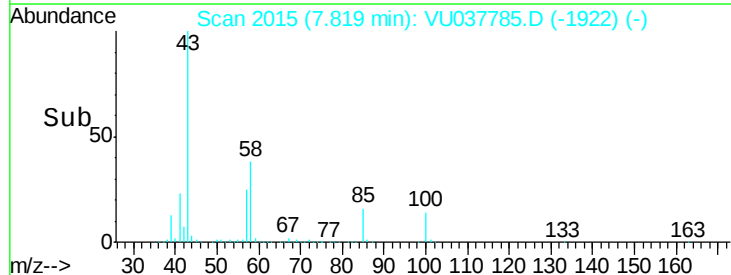
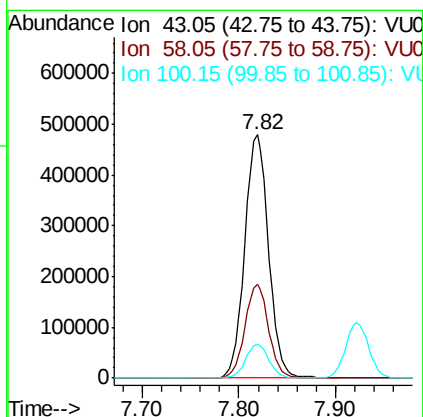
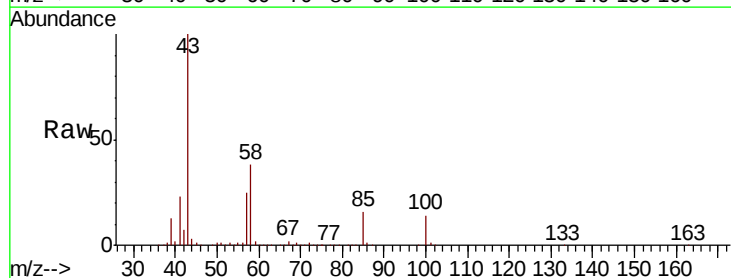
Instrument :
 MSVOA_U
 ClientSampled :

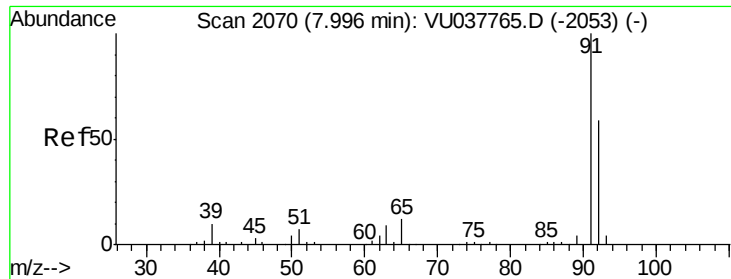
Tot Ion: 75 Resp: 165002
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.513 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion: 43 Resp: 818609
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.3 46.9
 100 13.6 11.5 17.3





#42

Toluene

Concen: 4.905 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

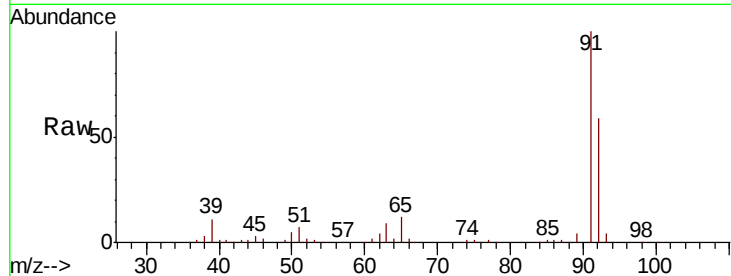
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 410745

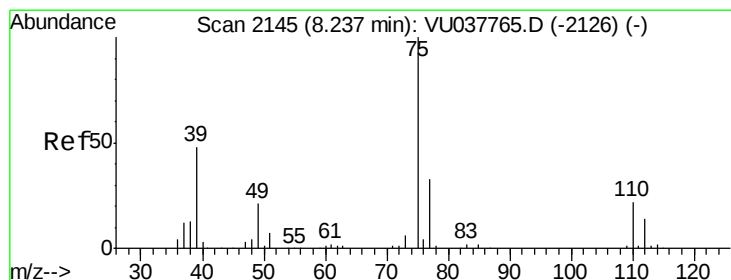
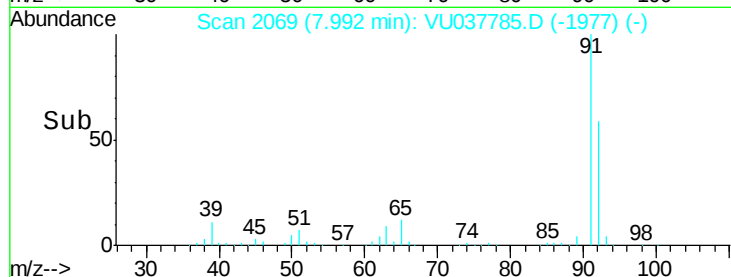
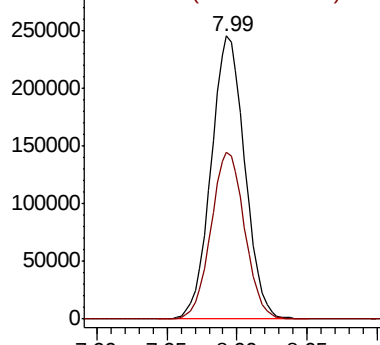
Ion Ratio Lower Upper

91 100

92 59.1 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.955 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037785.D

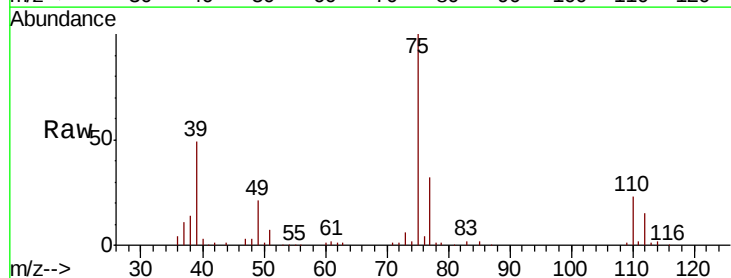
Acq: 17 Apr 2020 19:37

Tgt Ion: 75 Resp: 142782

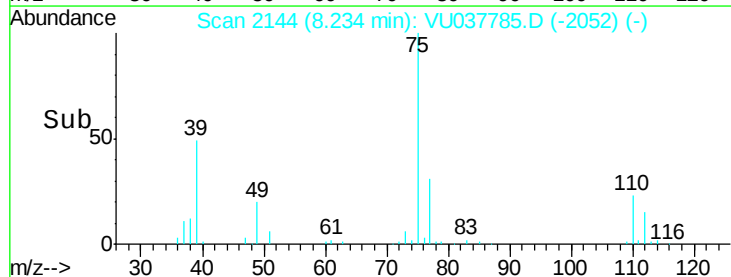
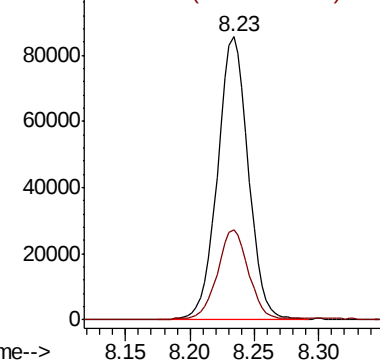
Ion Ratio Lower Upper

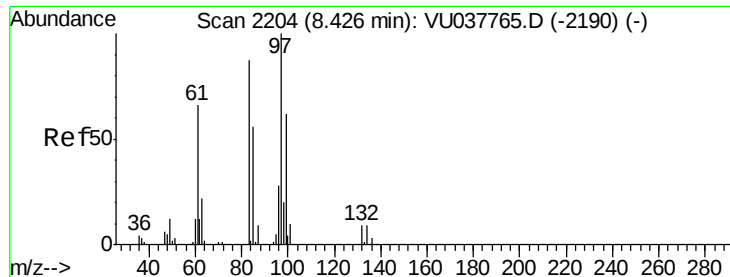
75 100

77 31.7 21.4 39.8



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

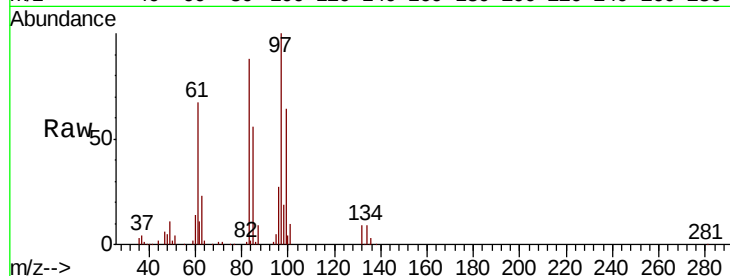




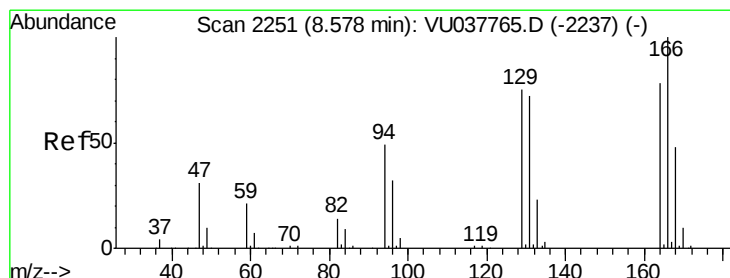
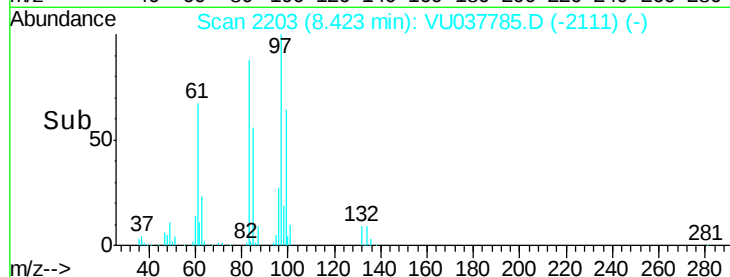
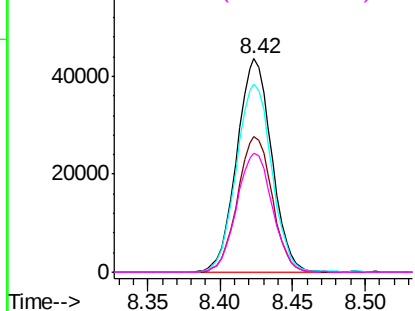
#45
 1,1,2-Trichloroethane
 Concen: 5.097 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	72824
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.1	80.1
83	88.3	62.4	116.0
85	55.6	39.6	73.6

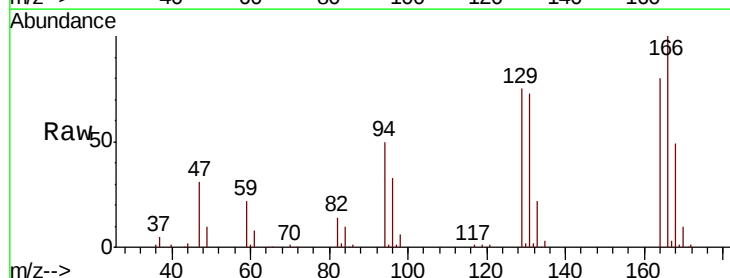


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

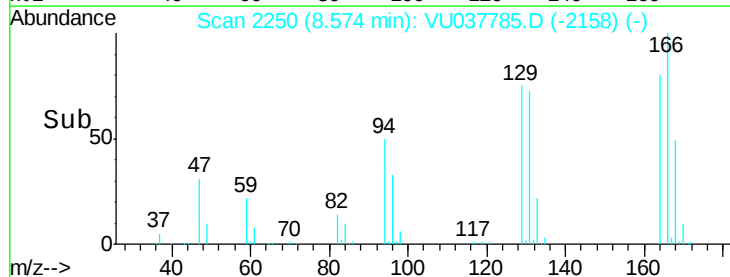
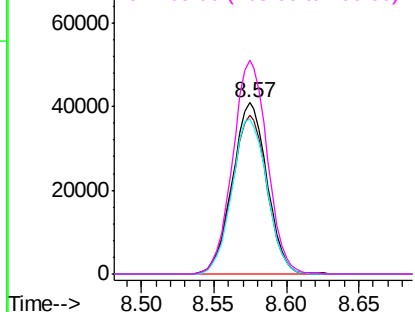


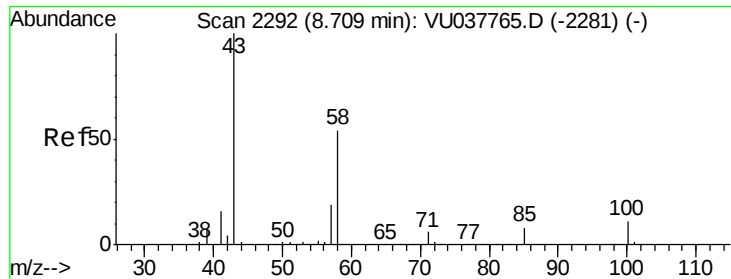
#47
 Tetrachloroethene
 Concen: 4.789 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion:	164	Resp:	67622
Ion	Ratio	Lower	Upper
164	100		
129	93.1	68.1	126.5
131	90.7	65.9	122.5
166	124.7	89.7	166.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

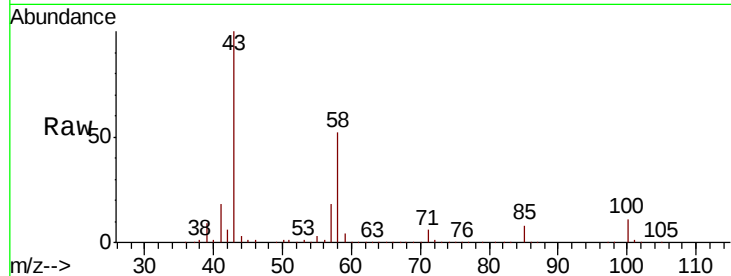




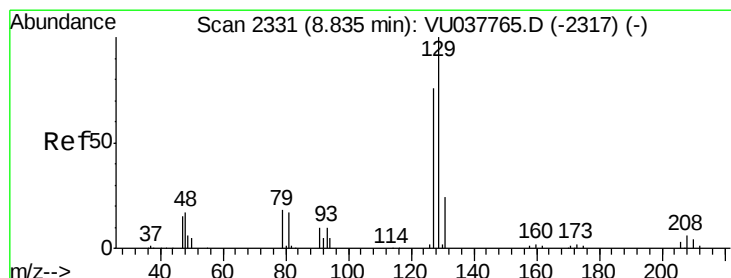
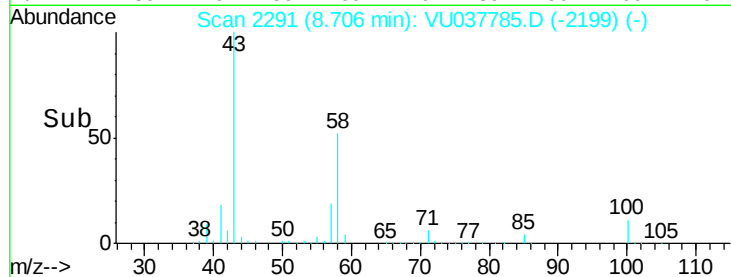
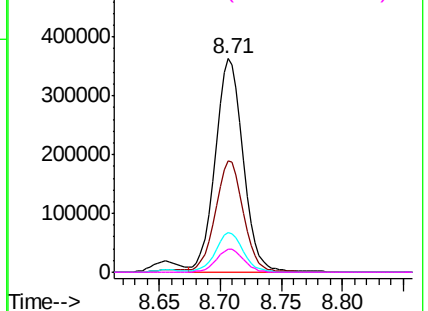
#48
2-Hexanone
Concen: 52.350 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 584284
Ion Ratio Lower Upper
43 100
58 52.3 43.6 65.4
57 18.4 15.4 23.0
100 10.6 9.1 13.7

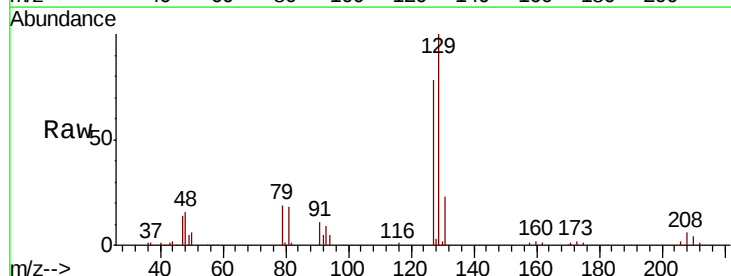


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

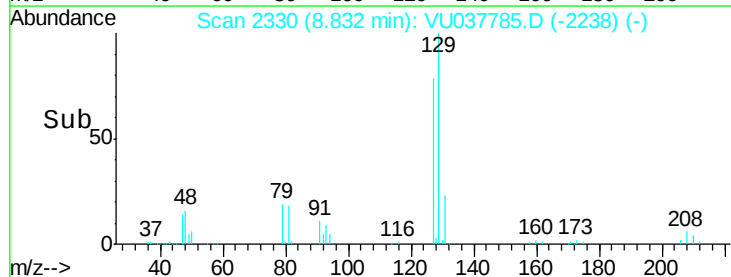
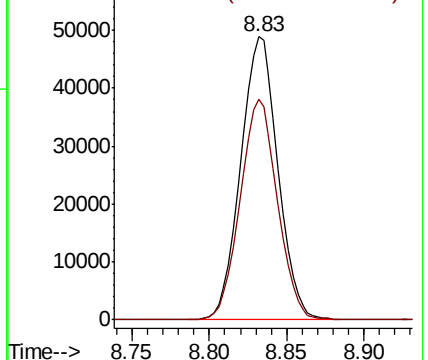


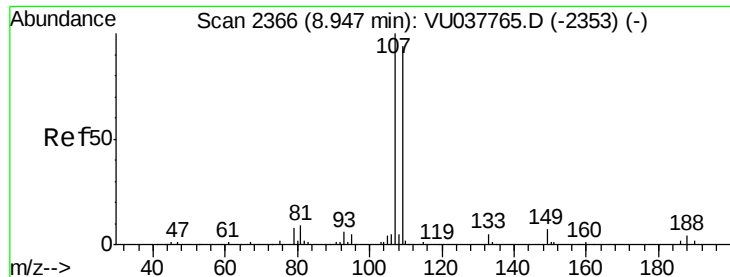
#49
Dibromochloromethane
Concen: 5.009 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion: 129 Resp: 81801
Ion Ratio Lower Upper
129 100
127 78.2 53.3 98.9



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

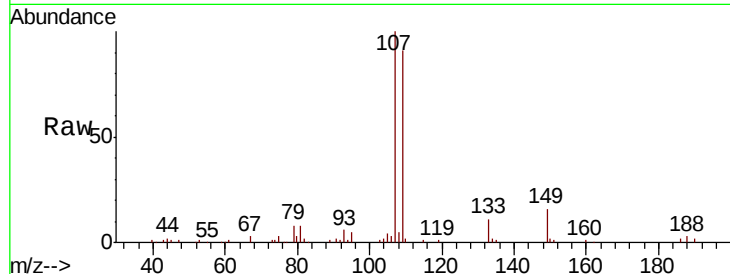




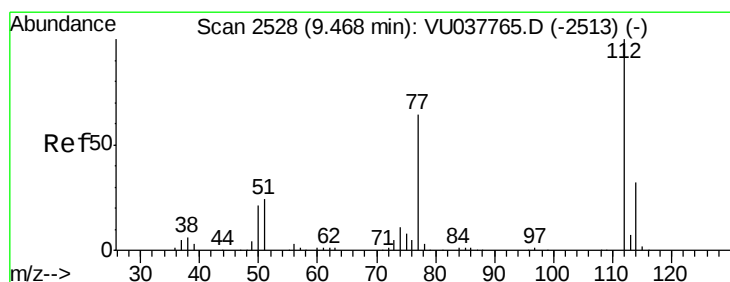
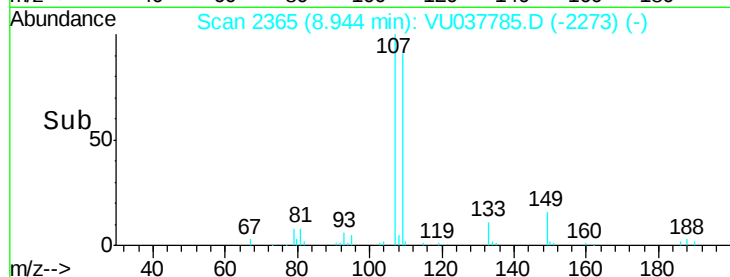
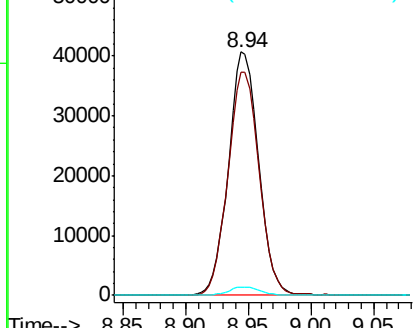
#50
1,2-Dibromoethane
Concen: 4.952 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 68044
Ion Ratio Lower Upper
107 100
109 91.5 66.3 123.1
188 3.5 2.5 3.7

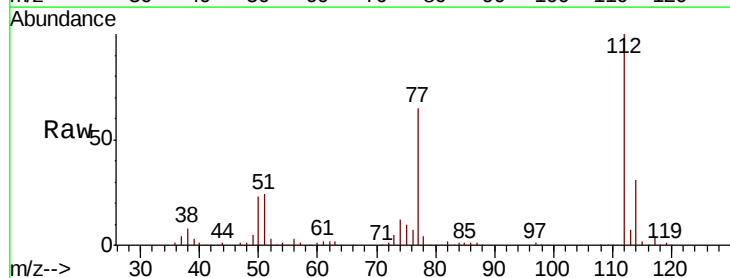


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

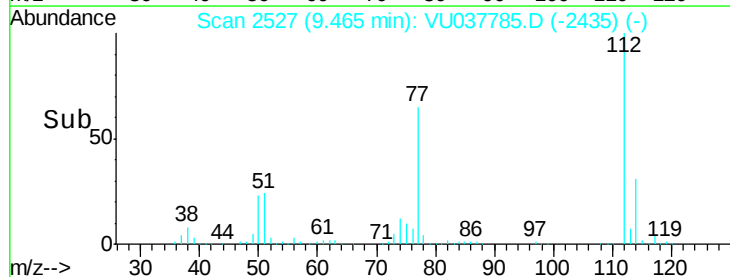
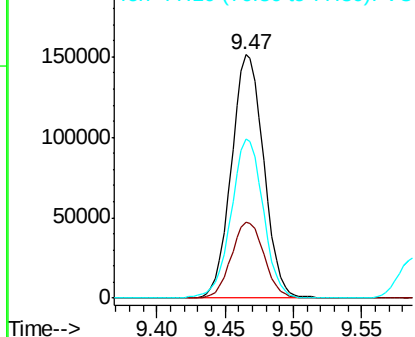


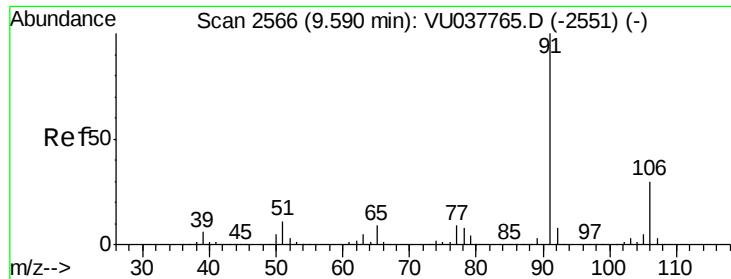
#51
Chlorobenzene
Concen: 4.875 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion:112 Resp: 249101
Ion Ratio Lower Upper
112 100
114 31.1 22.6 42.0
77 65.2 50.2 75.4



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

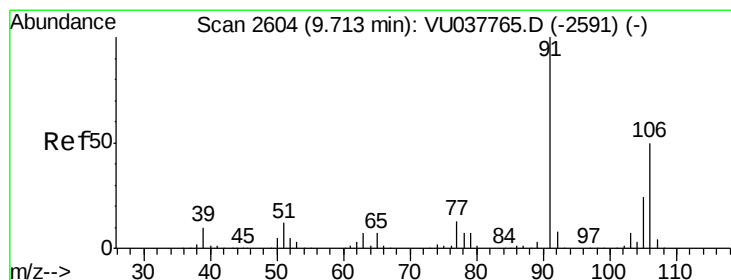
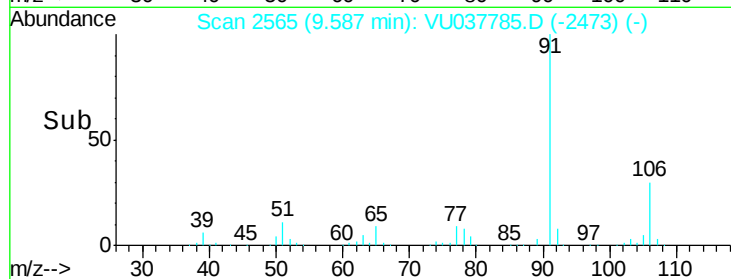
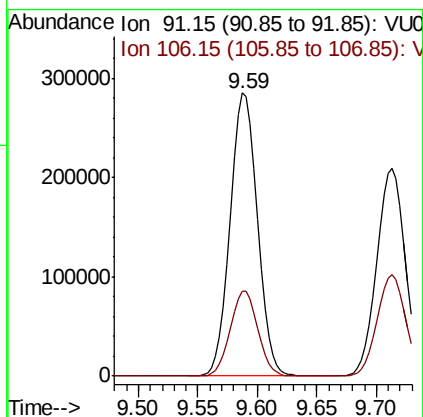
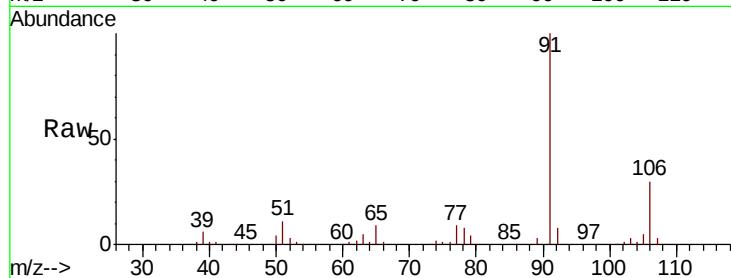




#52
Ethylbenzene
Concen: 4.888 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

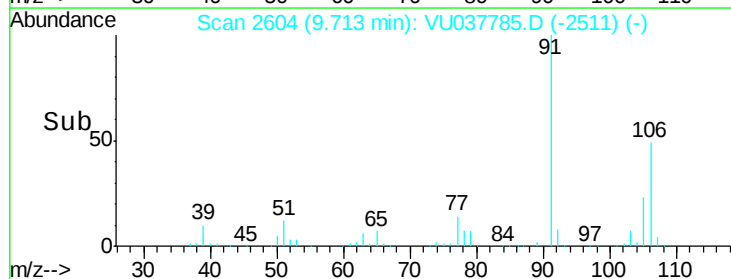
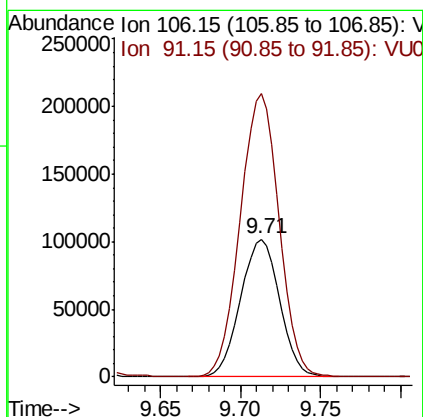
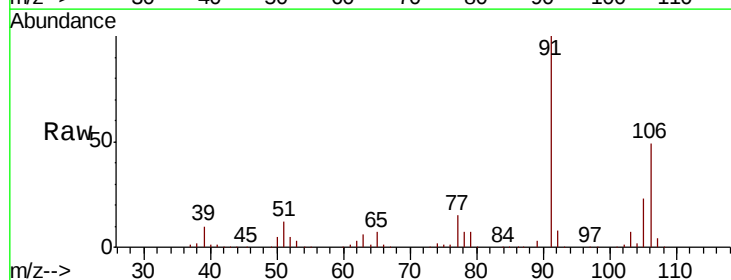
Instrument :
MSVOA_U
ClientSampleId :

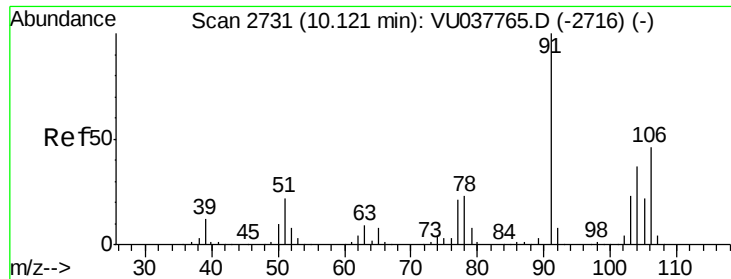
Tot Ion: 91 Resp: 455379
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#53
m,p-Xylene
Concen: 4.814 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion: 106 Resp: 169756
Ion Ratio Lower Upper
106 100
91 205.7 143.9 267.3

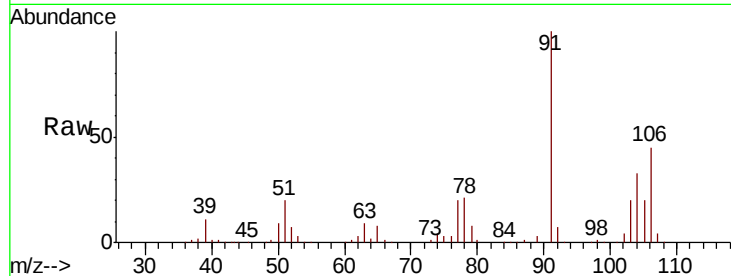




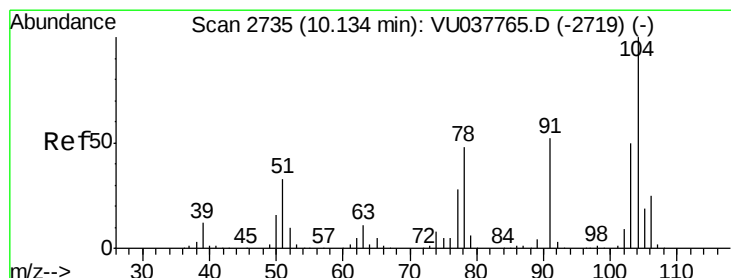
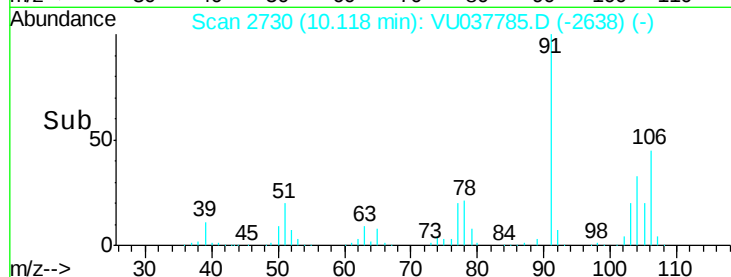
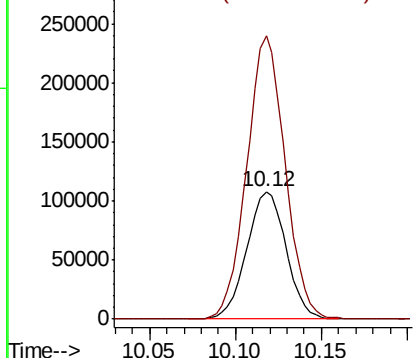
#54
o-Xylene
Concen: 4.911 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 170458
Ion Ratio Lower Upper
106 100
91 221.5 151.1 280.7

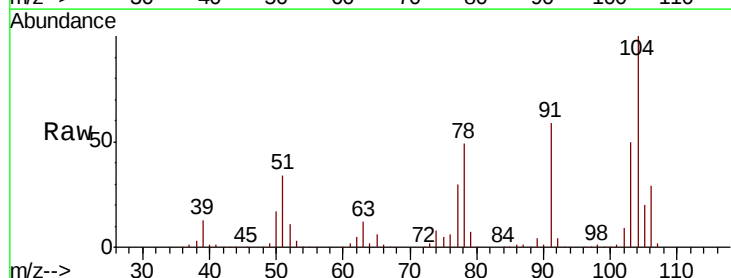


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

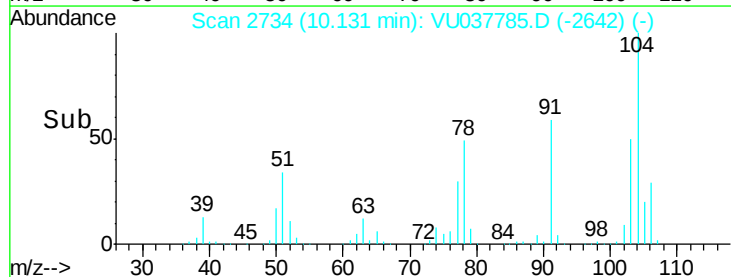
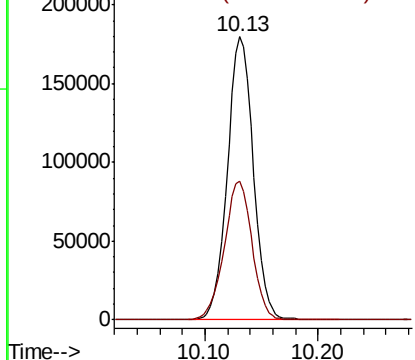


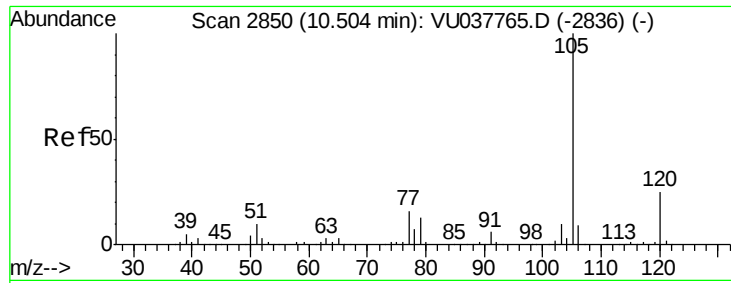
#55
Styrene
Concen: 4.829 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037785.D
Acq: 17 Apr 2020 19:37

Tgt Ion:104 Resp: 286500
Ion Ratio Lower Upper
104 100
78 48.8 32.5 60.3



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





#56

Isopropylbenzene

Concen: 4.854 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

ClientSampleId :

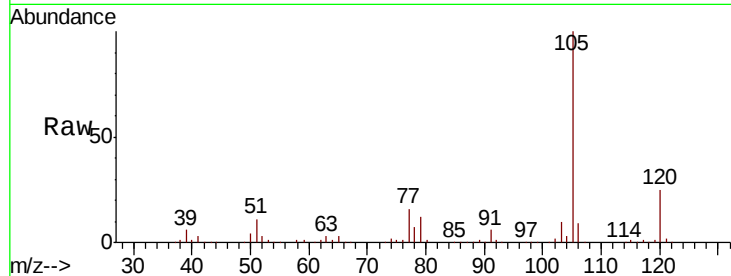
Tot Ion:105 Resp: 441905

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

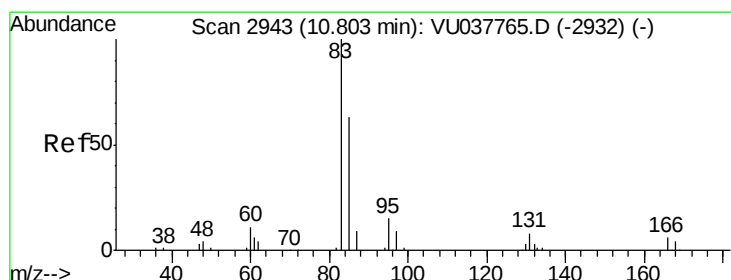
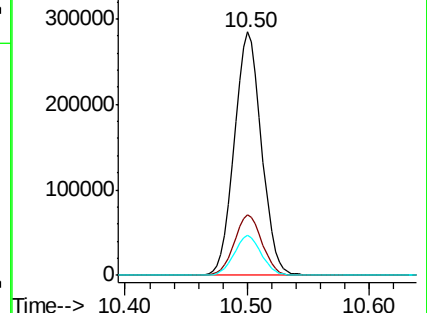
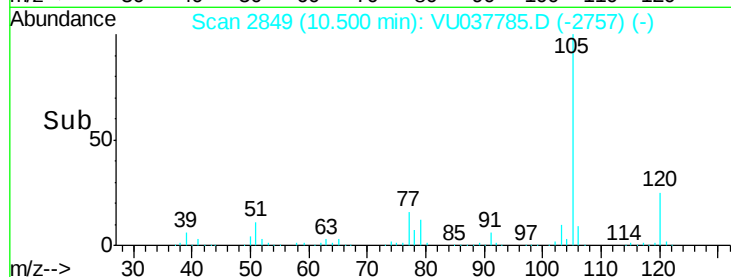
77 16.3 13.2 19.8



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: 5.050 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

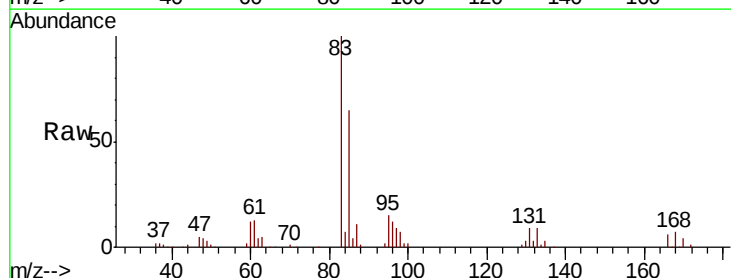
Tgt Ion: 83 Resp: 93932

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1

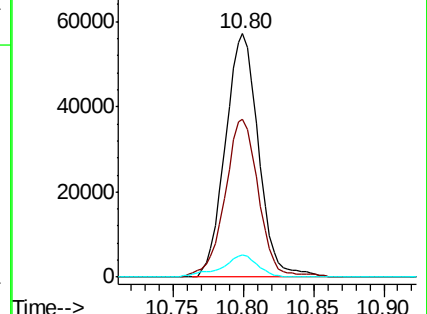
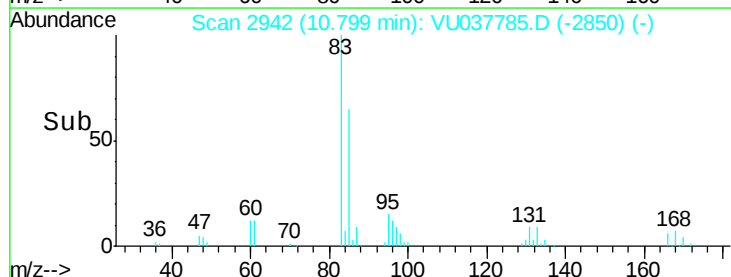
131 8.9 7.4 11.2

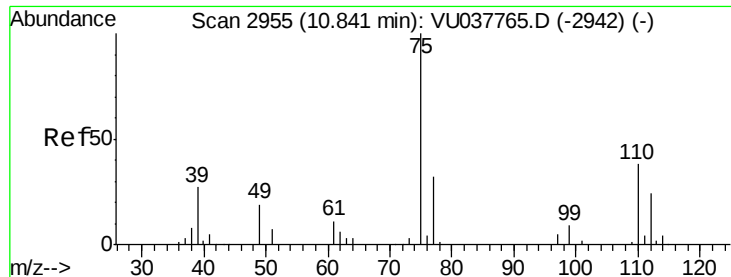


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

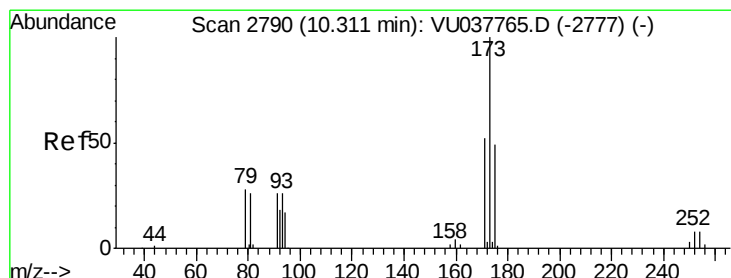
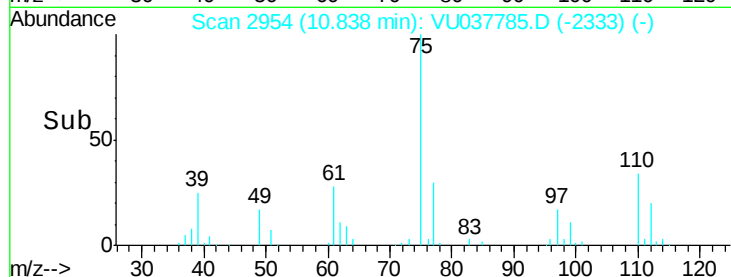
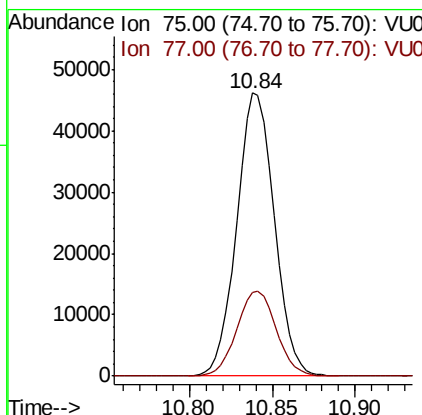
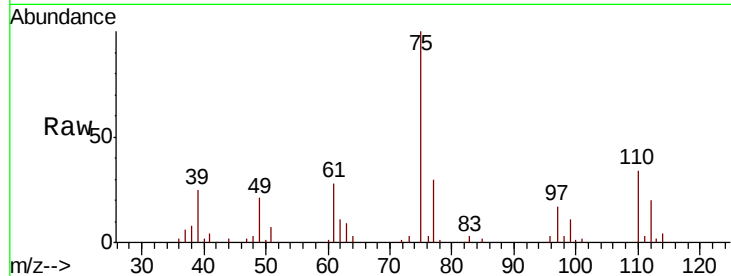




#59
 1,2,3-Trichloropropane
 Concen: 5.251 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

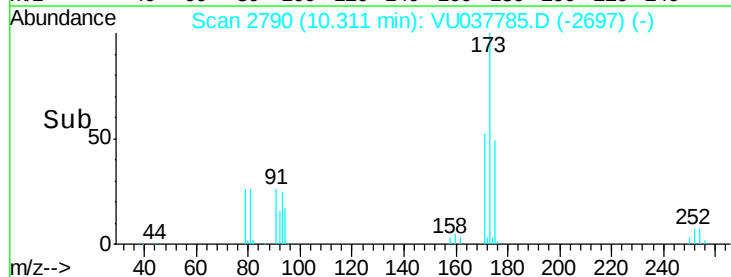
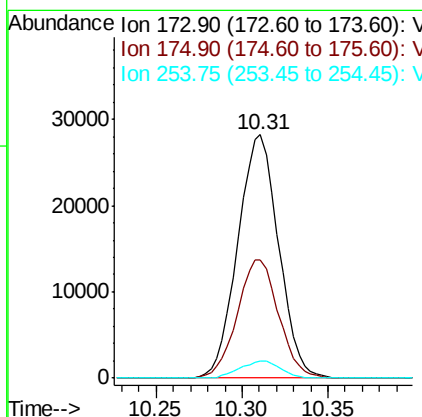
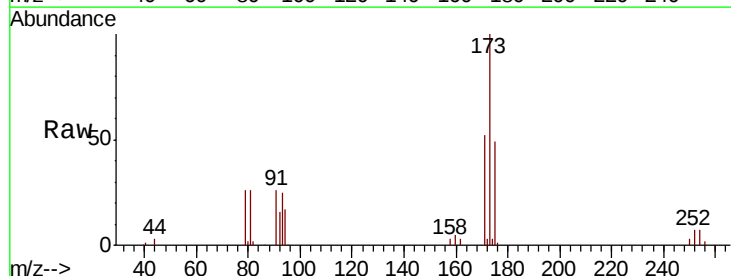
Instrument :
 MSVOA_U
 ClientSampleId :

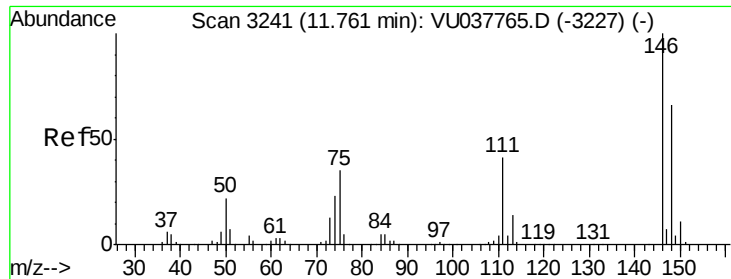
Tot Ion: 75 Resp: 72875
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#61
 Bromoform
 Concen: 4.827 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion:173 Resp: 46321
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.6 56.4
 254 7.0 5.8 8.8

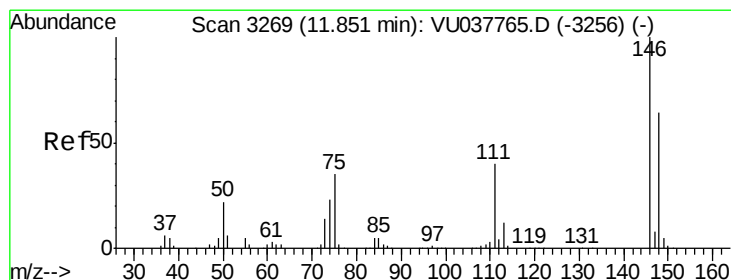
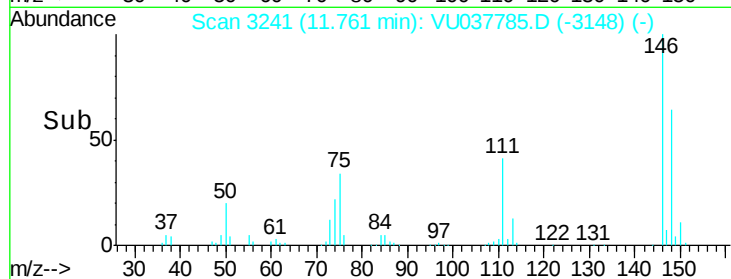
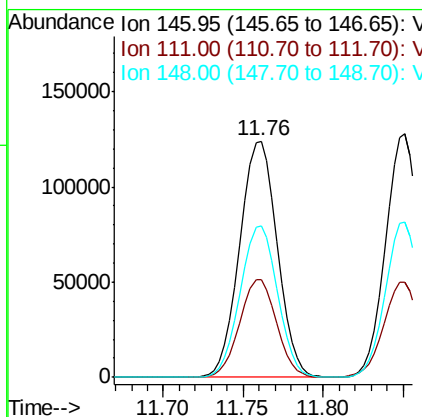
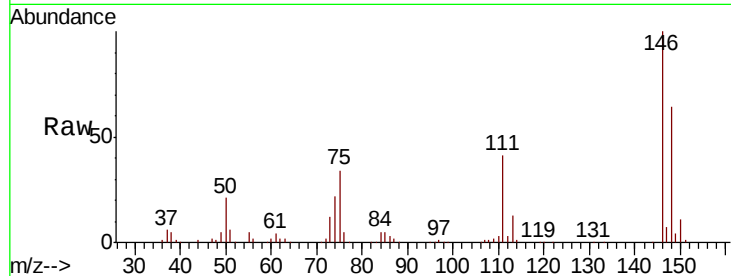




#62
 1,3-Dichlorobenzene
 Concen: 4.897 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

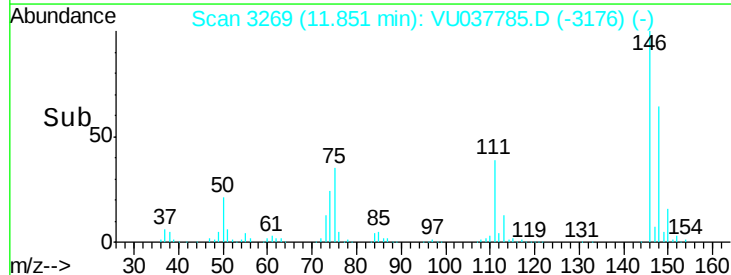
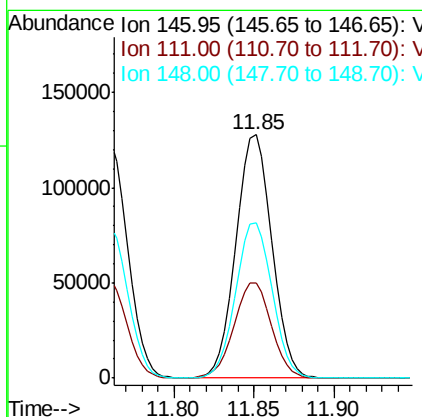
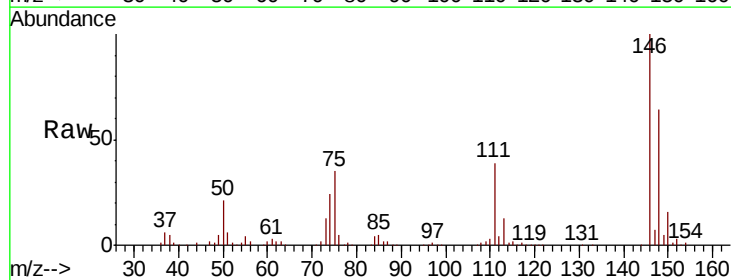
Instrument :
 MSVOA_U
 ClientSampleId :

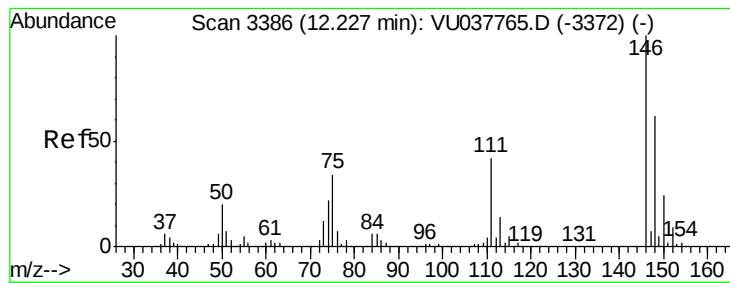
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.8	55.3
148	64.2	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.815 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	28.4	52.8
148	63.6	44.9	83.3





#65

1,2-Dichlorobenzene

Concen: 4.836 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

ClientSampled :

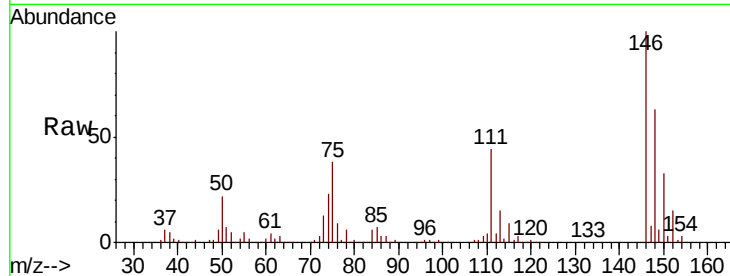
Tot Ion:146 Resp: 184146

Ion Ratio Lower Upper

146 100

111 43.9 35.0 52.6

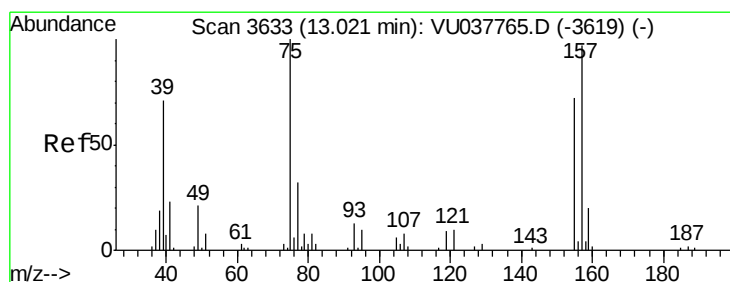
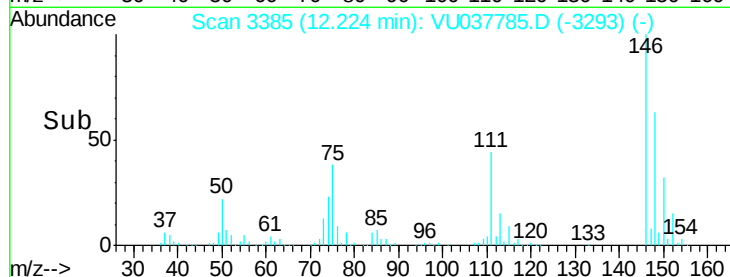
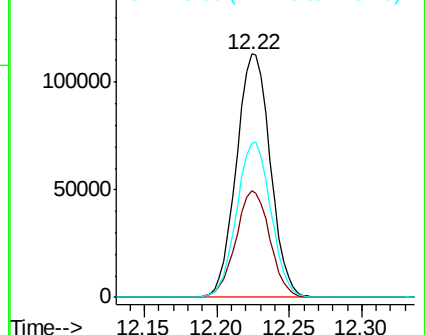
148 63.4 51.5 77.3



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: 5.049 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

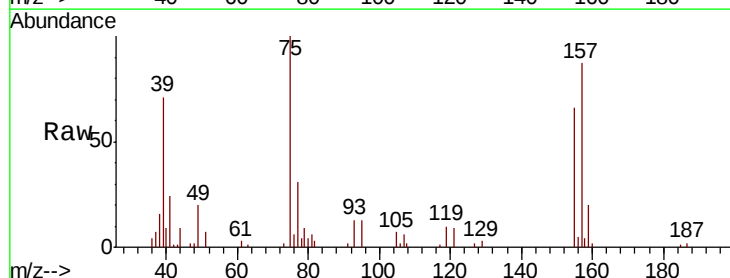
Tgt Ion: 75 Resp: 17822

Ion Ratio Lower Upper

75 100

155 66.5 57.9 86.9

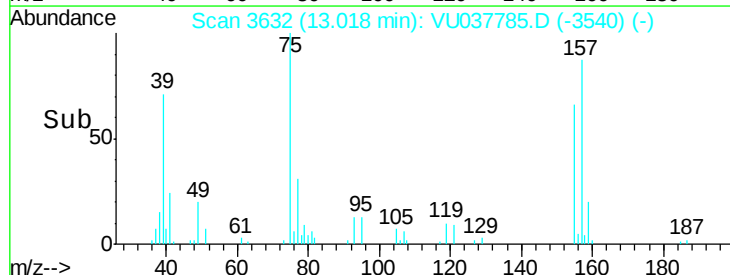
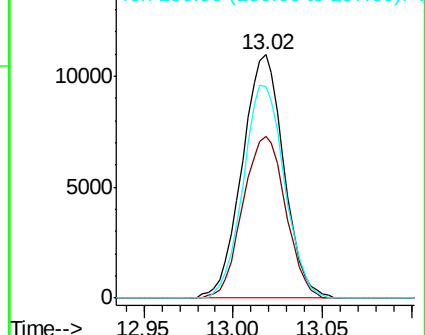
157 87.1 79.8 119.8

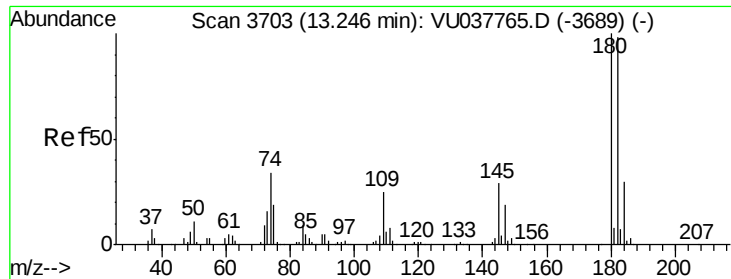


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

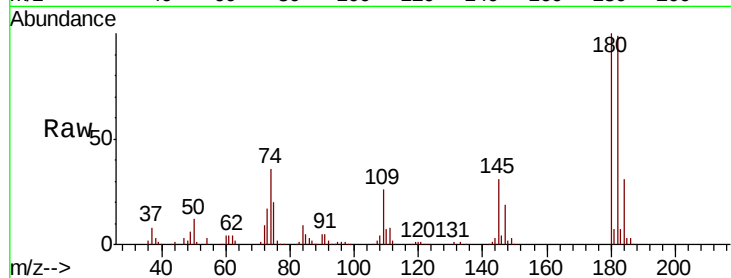




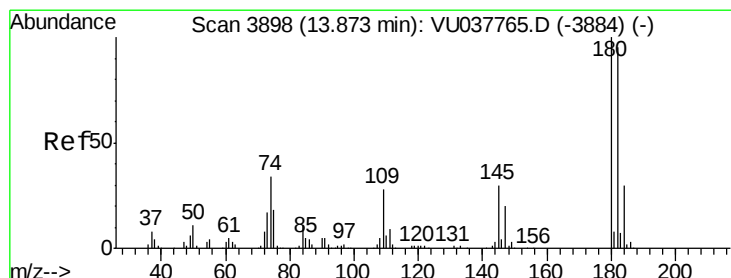
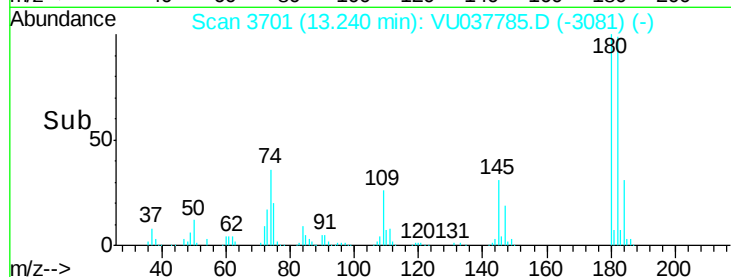
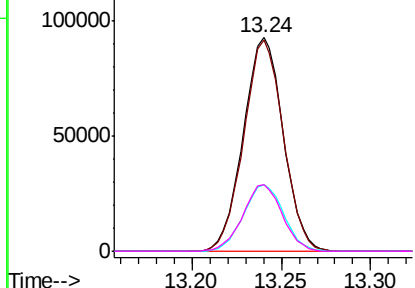
#67
 1,3,5-Trichlorobenzene
 Concen: 4.901 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	145389
Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.1	115.7
184	31.2	24.7	37.1
145	30.9	24.6	37.0

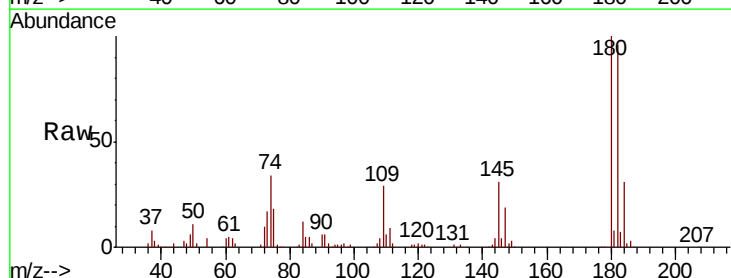


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

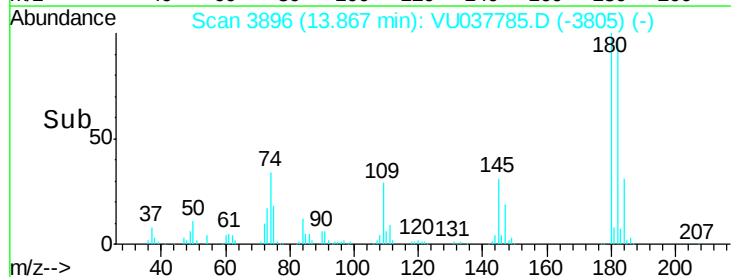
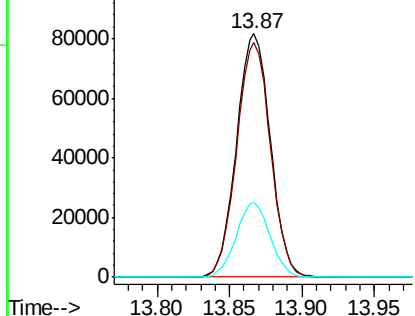


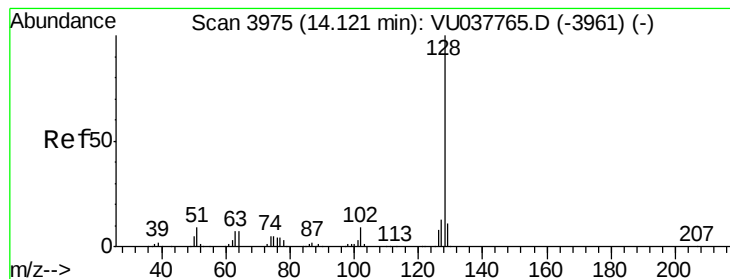
#68
 1,2,4-trichlorobenzene
 Concen: 4.863 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037785.D
 Acq: 17 Apr 2020 19:37

Tgt Ion:	180	Resp:	132413
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	30.8	25.1	37.7



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





#69

Naphthalene

Concen: 4.918 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

Instrument :

MSVOA_U

ClientSampleId :

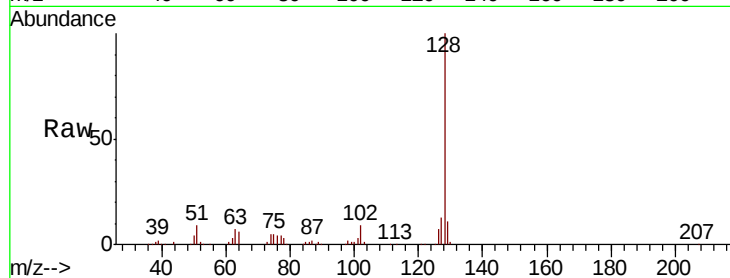
Tot Ion:128 Resp: 271208

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

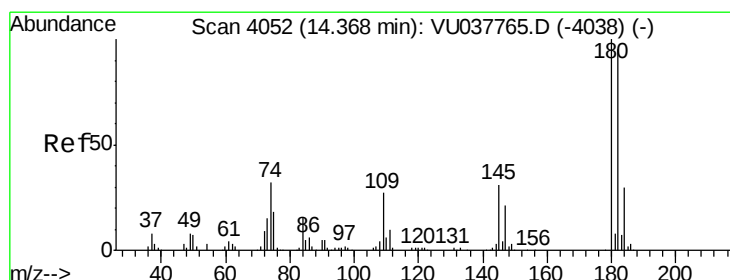
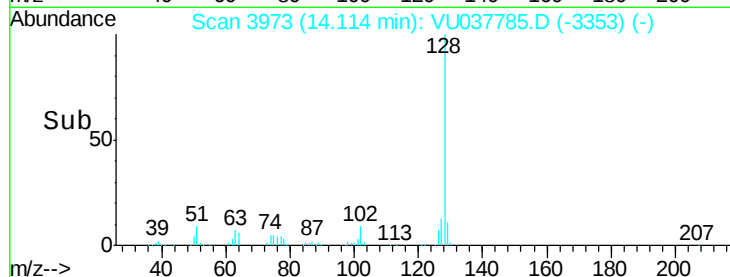
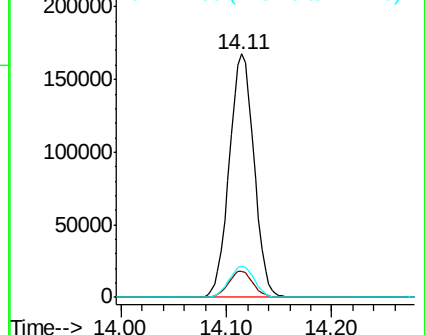
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.996 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037785.D

Acq: 17 Apr 2020 19:37

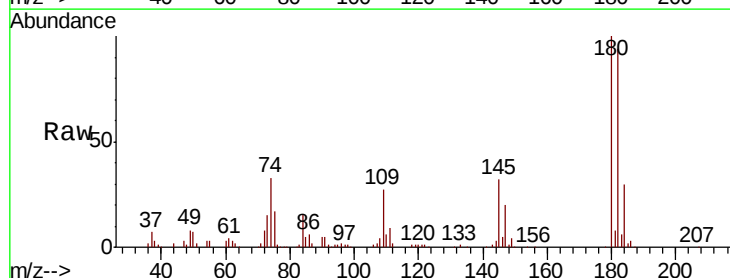
Tgt Ion:180 Resp: 121201

Ion Ratio Lower Upper

180 100

182 94.2 76.6 115.0

145 31.3 26.7 40.1



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

