

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037693.D
 Acq On : 14 Apr 2020 11:13
 Operator : JC/MD
 Sample : VSTD0.505
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 13:56:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	423848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	405630	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	201564	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14557	0.41	ug/L	0.00
7) Chloroethane-d5	1.93	69	12754	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	27463	0.44	ug/L	0.00
20) 2-Butanone-d5	4.68	46	40500	4.22	ug/L	0.00
24) Chloroform-d	5.11	84	23381	0.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	14103	0.43	ug/L	0.00
32) Benzene-d6	5.76	84	50731	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	15922	0.39	ug/L	0.00
41) Toluene-d8	7.93	98	45355	0.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	7721	0.43	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	35954	4.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	12787	0.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	16698	0.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	18623	0.551 ug/L	99
3) Chloromethane	1.53	50	23991	0.662 ug/L	100
5) Vinyl chloride	1.62	62	22724	0.625 ug/L	99
6) Bromomethane	1.87	94	14110	0.784 ug/L	98
8) Chloroethane	1.95	64	13101	0.585 ug/L	98
9) Trichlorofluoromethane	2.16	101	24349	0.482 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13644	0.473 ug/L	93
12) 1,1-Dichloroethene	2.61	96	15216	0.540 ug/L	86
13) Acetone	2.67	43	31953	5.770 ug/L	98
14) Carbon disulfide	2.82	76	55638	0.586 ug/L	97
15) Methyl Acetate	2.98	43	8533	0.520 ug/L	95
16) Methylene chloride	3.08	84	17130	0.519 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	42200	0.527 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	16139	0.525 ug/L	98
19) 1,1-Dichloroethane	3.91	63	30669	0.528 ug/L	99
21) 2-Butanone	4.76	43	54458	5.553 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	17188	0.514 ug/L	93
23) Bromochloromethane	5.02	128	7194	0.495 ug/L	94
25) Chloroform	5.13	83	29749	0.505 ug/L	97
27) 1,2-Dichloroethane	5.83	62	20145	0.529 ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	25013	0.483 ug/L	98
30) Cyclohexane	5.42	56	30494	0.524 ug/L	100
31) Carbon tetrachloride	5.56	117	19885	0.476 ug/L	96
33) Benzene	5.81	78	67105	0.516 ug/L	100
34) Trichloroethene	6.57	95	16436	0.483 ug/L	97
35) Methylcyclohexane	6.79	83	28829	0.502 ug/L	98
37) 1,2-Dichloropropane	6.82	63	17555	0.503 ug/L	98
38) Bromodichloromethane	7.13	83	21026	0.475 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	27879	0.516 ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	131840	5.337 ug/L	100

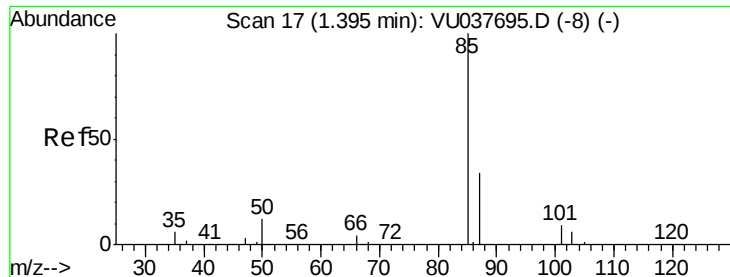
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037693.D
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Instrument :
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Quant Time: Apr 14 14:03:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 13:56:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	69967	0.507	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	24291	0.517	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	11968	0.493	ug/L	99
47) Tetrachloroethene	8.57	164	12196	0.544	ug/L	94
48) 2-Hexanone	8.71	43	95032	5.327	ug/L	99
49) Dibromochloromethane	8.84	129	14018	0.488	ug/L	95
50) 1,2-Dibromoethane	8.95	107	11843	0.502	ug/L	100
51) Chlorobenzene	9.47	112	42923	0.505	ug/L	95
52) Ethylbenzene	9.59	91	77219	0.493	ug/L	98
53) m,p-Xylene	9.71	106	29419	0.499	ug/L	97
54) o-Xylene	10.12	106	29050	0.512	ug/L	96
55) Styrene	10.13	104	48064	0.490	ug/L	97
56) Isopropylbenzene	10.50	105	74752	0.483	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	15611	0.479	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	11496	0.503	ug/L	97
61) Bromoform	10.31	173	7970	0.482	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	34255	0.511	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	34501	0.506	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	32933	0.513	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	3177	0.518	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	24172	0.494	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	22338	0.493	ug/L	98
69) Naphthalene	14.12	128	45468	0.459	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	19186	0.475	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.551 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

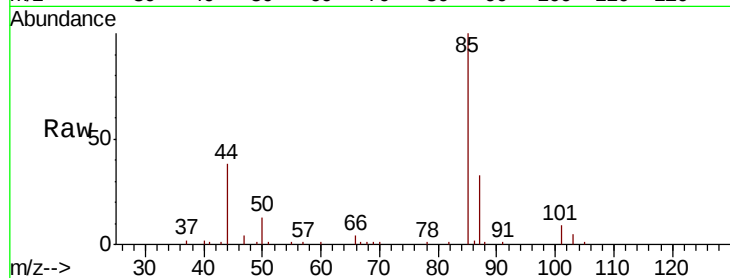
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 18623

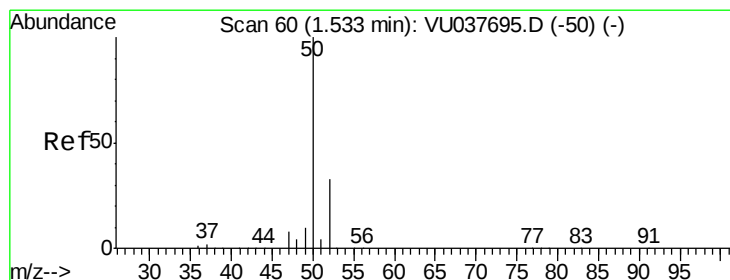
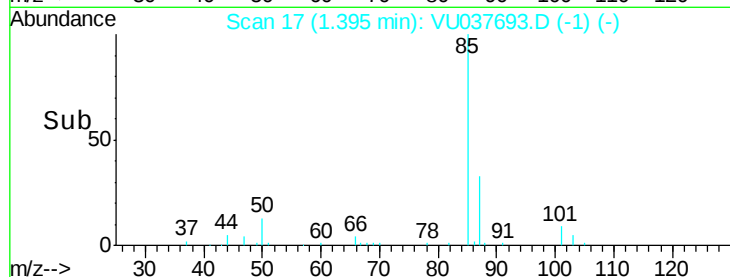
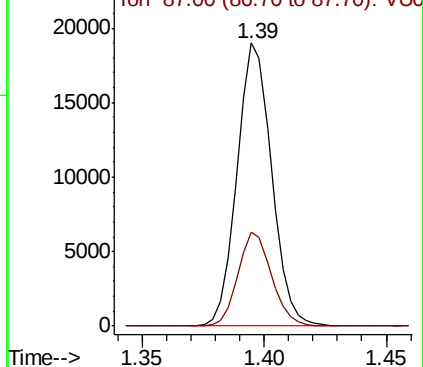
Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037693.D (-8) (-)



#3

Chloromethane

Concen: 0.662 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037693.D

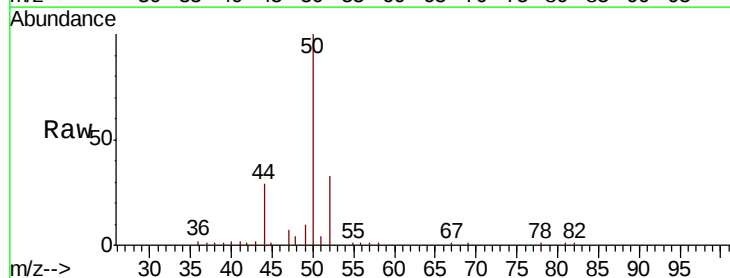
Acq: 14 Apr 2020 11:13

Tgt Ion: 50 Resp: 23991

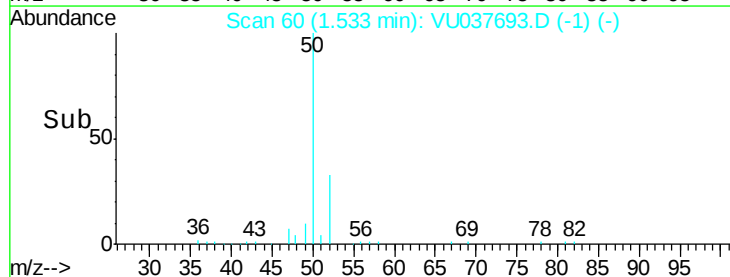
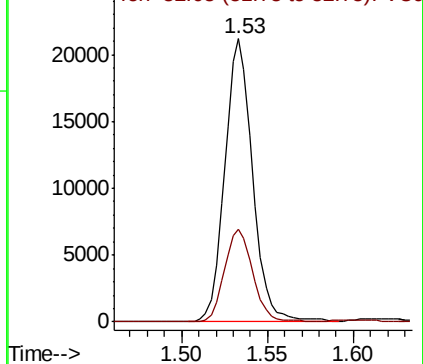
Ion Ratio Lower Upper

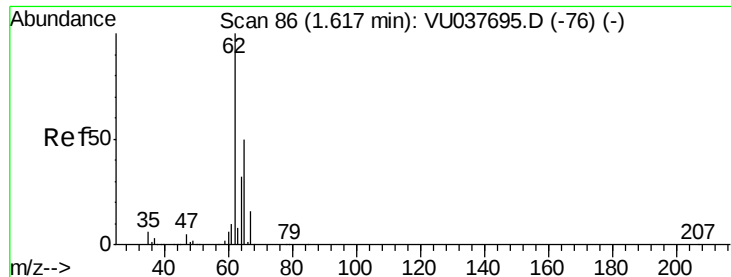
50 100

52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037693.D (-50) (-)





#5

Vinyl chloride

Concen: 0.625 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

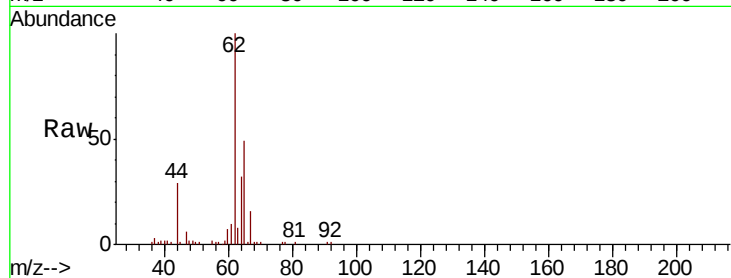
ClientSampled :

Tot Ion: 62 Resp: 22724

Ion Ratio Lower Upper

62 100

64 32.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037693.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU037693.D (-76) (-)

1.62

20000

15000

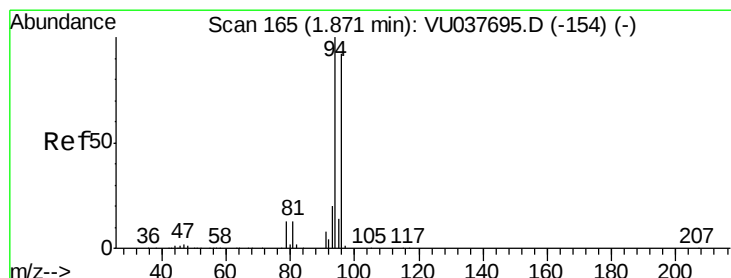
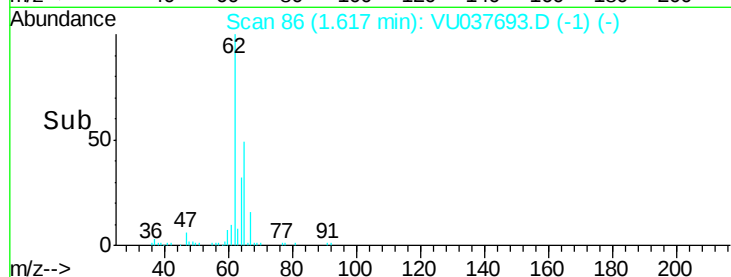
10000

5000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 0.784 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037693.D

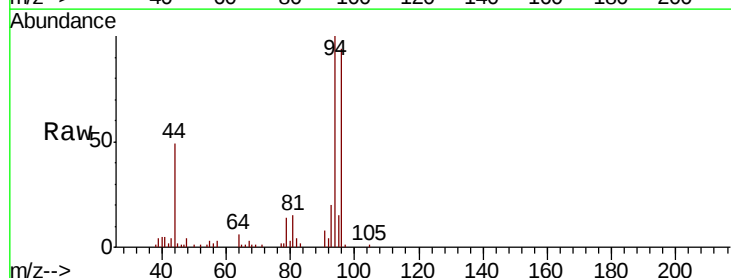
Acq: 14 Apr 2020 11:13

Tgt Ion: 94 Resp: 14110

Ion Ratio Lower Upper

94 100

96 93.9 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037693.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037693.D (-154) (-)

1.87

12000

10000

8000

6000

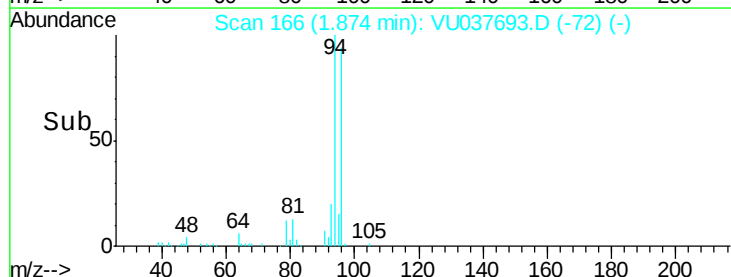
4000

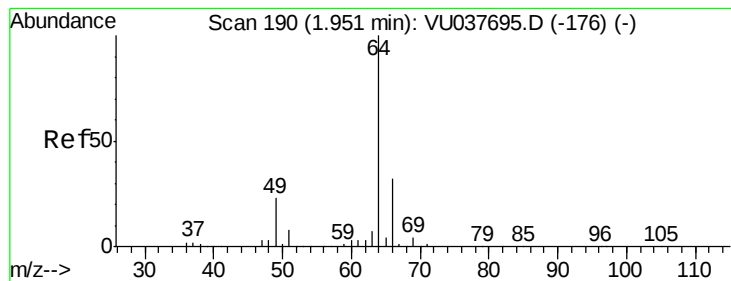
2000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 0.585 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

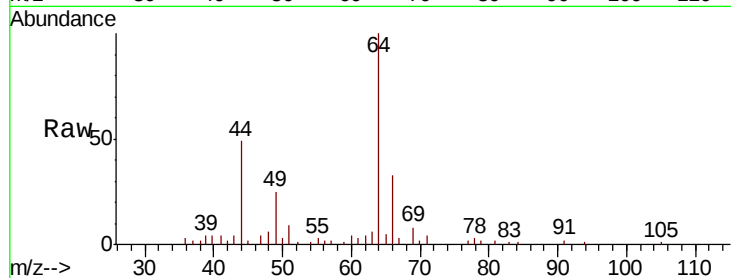
ClientSampleId :

Tot Ion: 64 Resp: 13101

Ion Ratio Lower Upper

64 100

66 33.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU037695.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU037695.D (-176) (-)

12000

10000

8000

6000

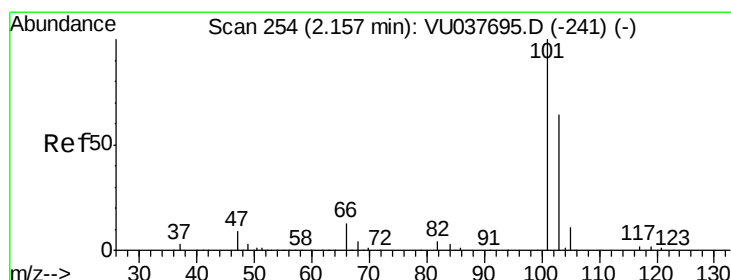
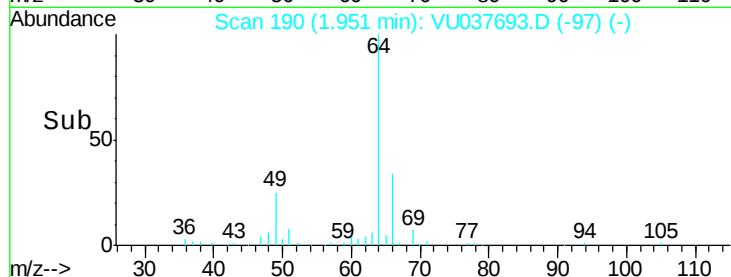
4000

2000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.482 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037693.D

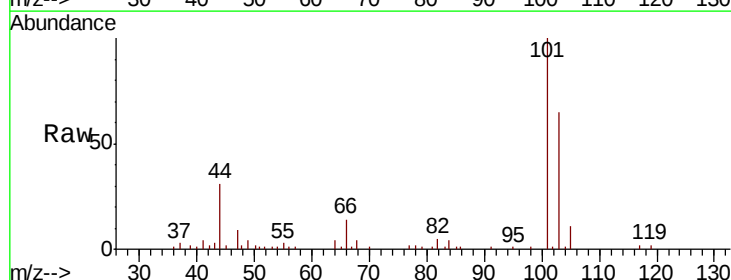
Acq: 14 Apr 2020 11:13

Tgt Ion:101 Resp: 24349

Ion Ratio Lower Upper

101 100

103 64.5 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU037695.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037695.D (-241) (-)

20000

15000

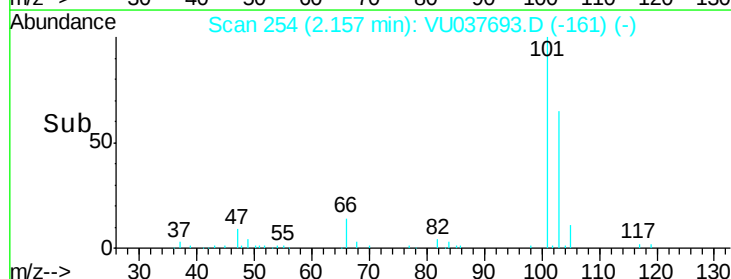
10000

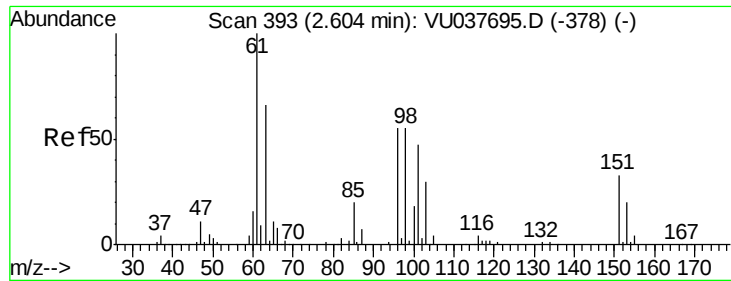
5000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 0.473 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampled :

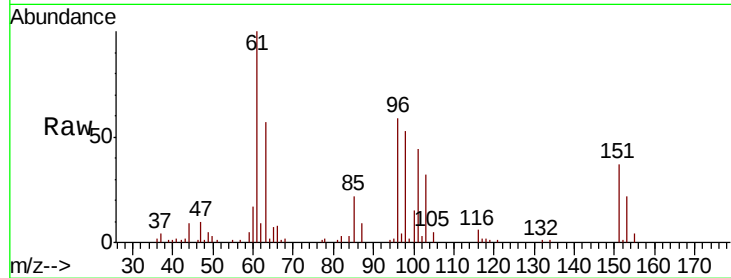
Tot Ion:101 Resp: 13644

Ion Ratio Lower Upper

101 100

85 47.1 34.5 51.7

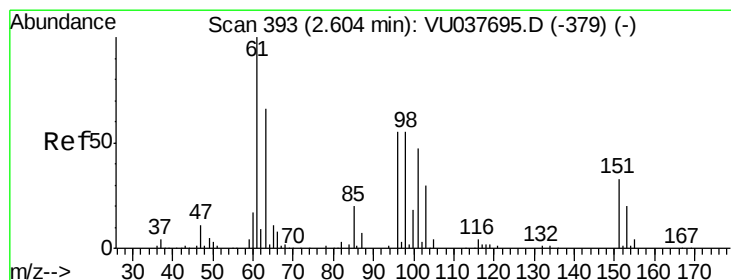
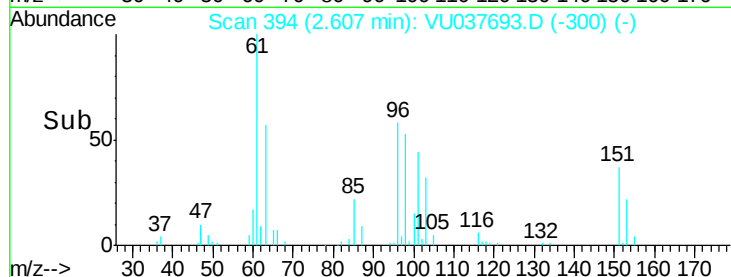
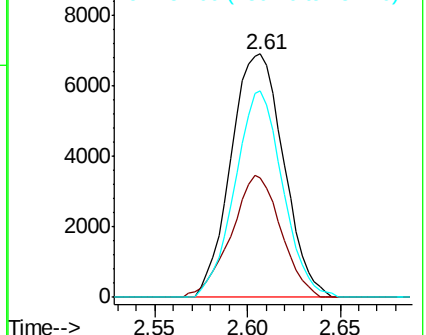
151 76.9 56.9 85.3



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: 0.540 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

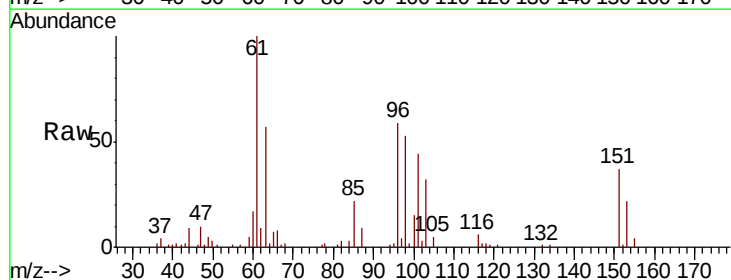
Tgt Ion: 96 Resp: 15216

Ion Ratio Lower Upper

96 100

61 170.2 127.7 237.3

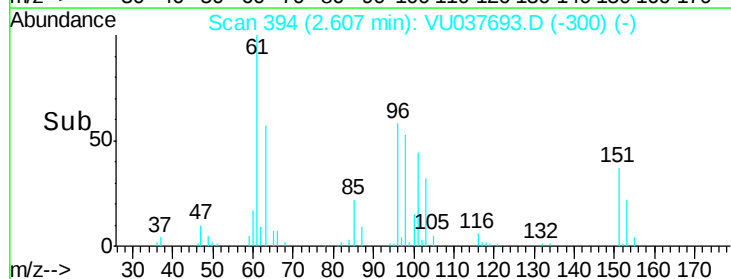
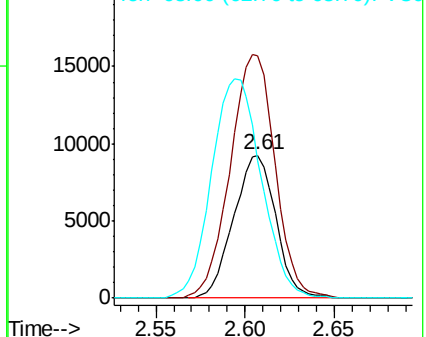
63 96.7 85.0 157.8

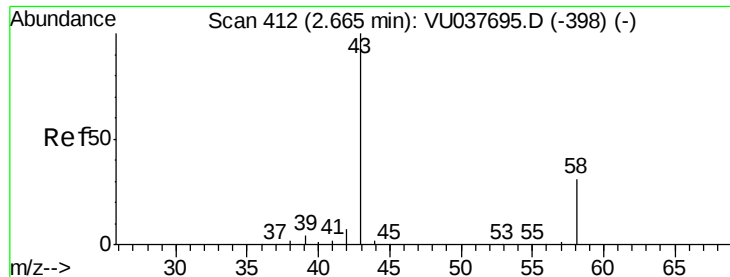


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.770 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

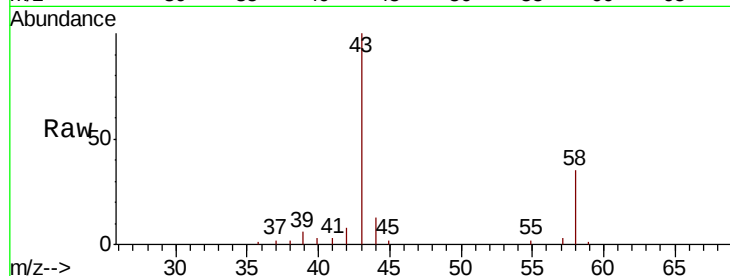
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 31953

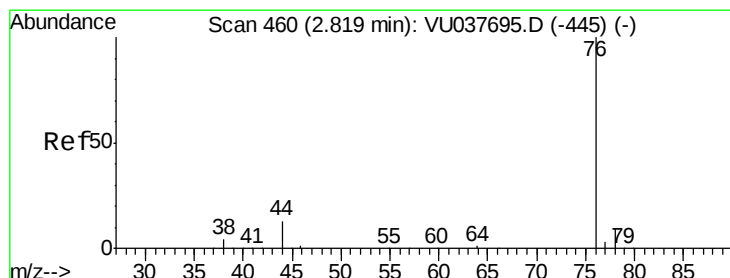
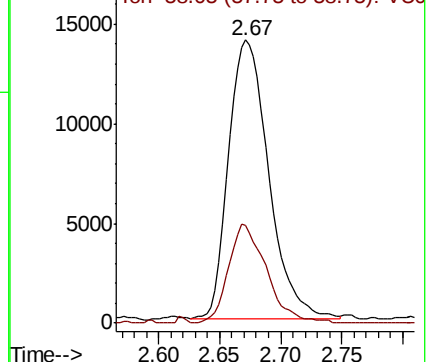
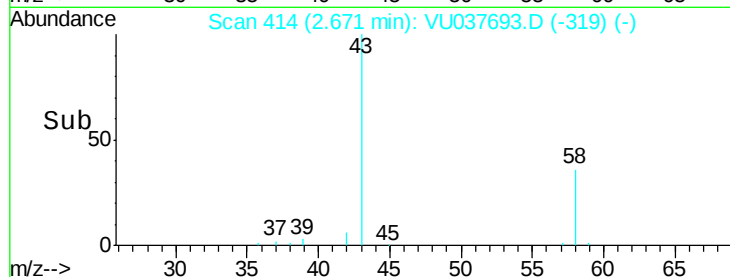
Ion Ratio Lower Upper

43 100

58 33.7 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037693.D (-319) (-)



#14

Carbon disulfide

Concen: 0.586 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037693.D

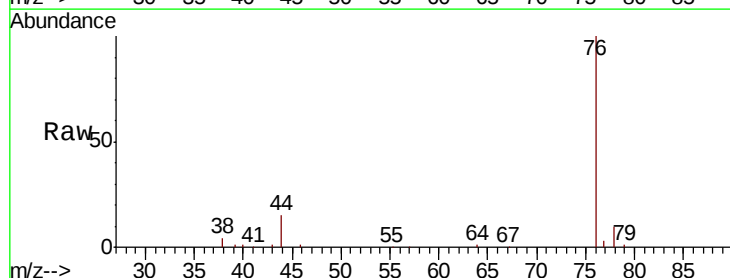
Acq: 14 Apr 2020 11:13

Tgt Ion: 76 Resp: 55638

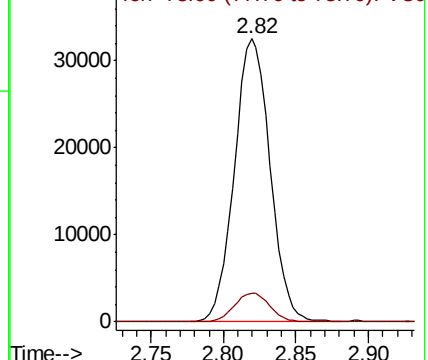
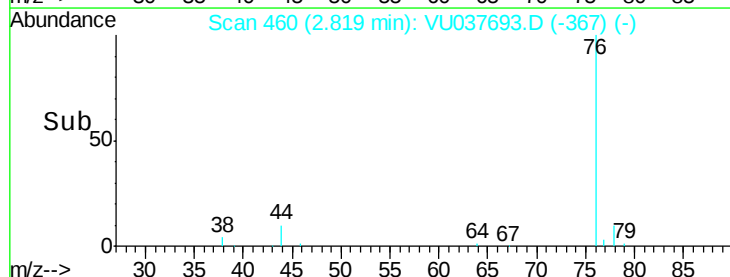
Ion Ratio Lower Upper

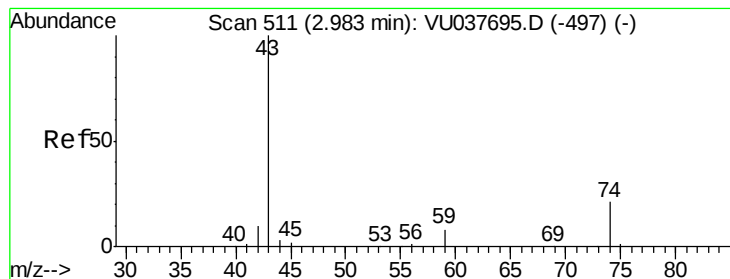
76 100

78 10.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037693.D (-367) (-)





#15

Methyl Acetate

Concen: 0.520 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

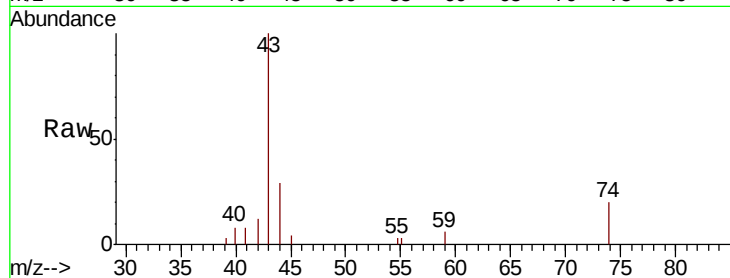
ClientSampleId :

Tot Ion: 43 Resp: 8533

Ion Ratio Lower Upper

43 100

74 19.0 17.2 25.8

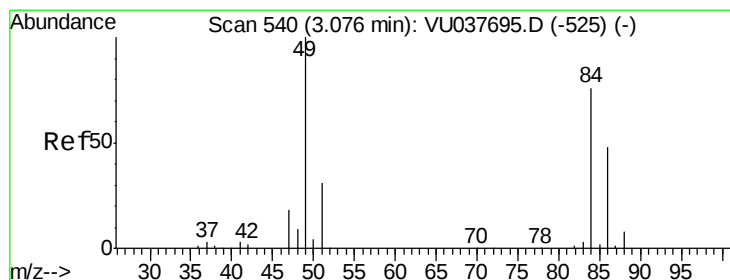
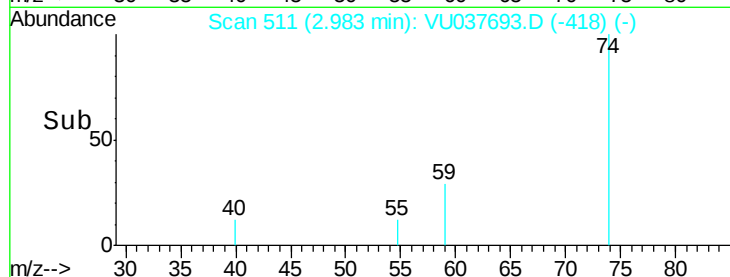


Abundance Ion 43.05 (42.75 to 43.75): VU037693.D (-497) (-)

Ion 74.05 (73.75 to 74.75): VU037693.D (-497) (-)

2.98

Time-->



#16

Methylene chloride

Concen: 0.519 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

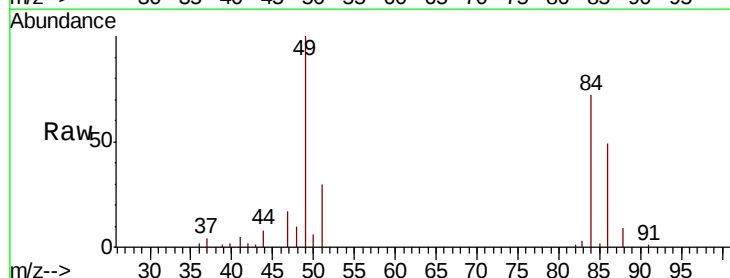
Tgt Ion: 84 Resp: 17130

Ion Ratio Lower Upper

84 100

86 67.3 44.2 82.0

49 138.4 92.4 171.6



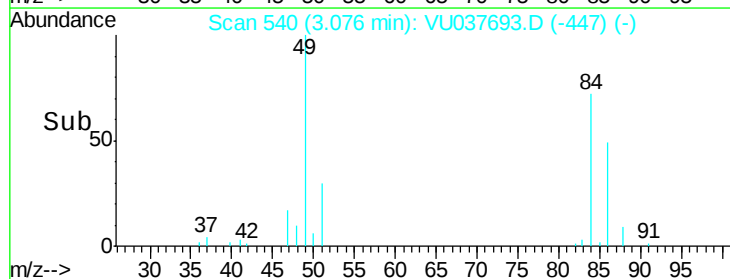
Abundance Ion 84.05 (83.75 to 84.75): VU037693.D (-525) (-)

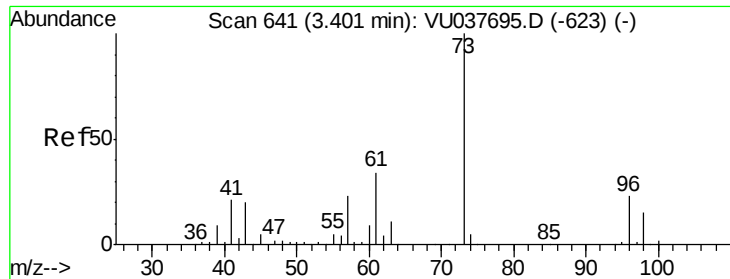
Ion 86.00 (85.70 to 86.70): VU037693.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU037693.D (-525) (-)

3.08

Time-->

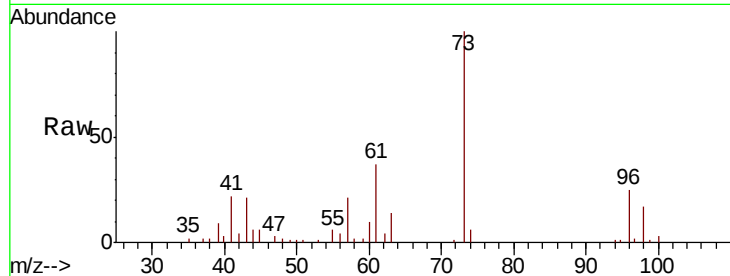




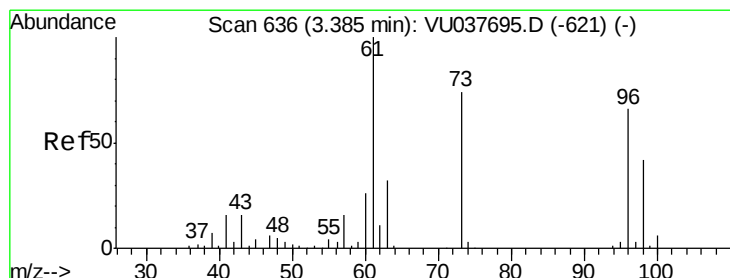
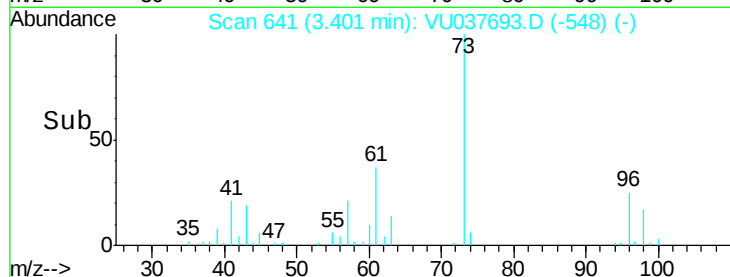
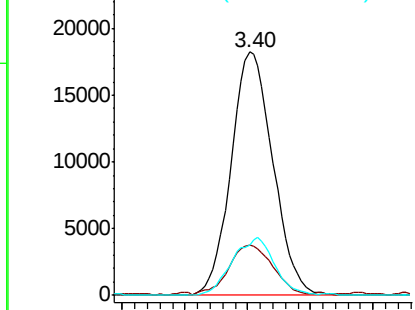
#17
Methvl tert-butvl Ether
Concen: 0.527 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 42200
Ion Ratio Lower Upper
73 100
43 22.0 16.4 24.6
57 24.0 18.4 27.6

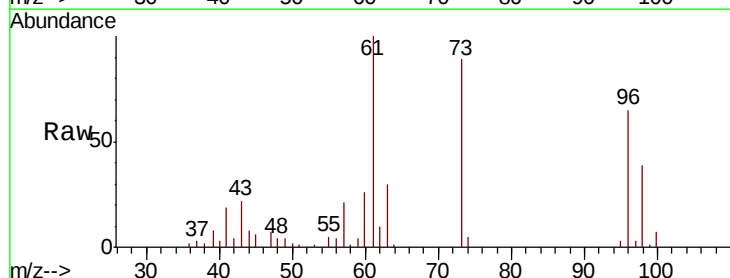


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

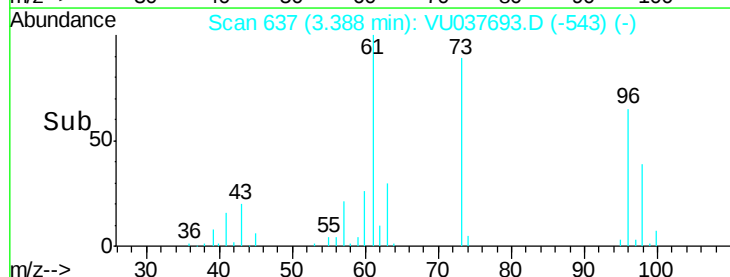
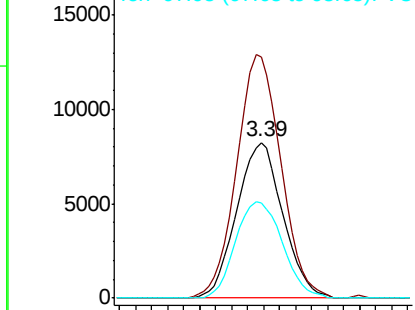


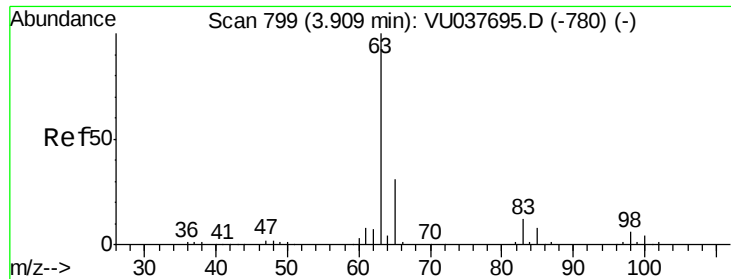
#18
trans-1,2-Dichloroethene
Concen: 0.525 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Tgt Ion: 96 Resp: 16139
Ion Ratio Lower Upper
96 100
61 154.6 106.7 198.3
98 60.9 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

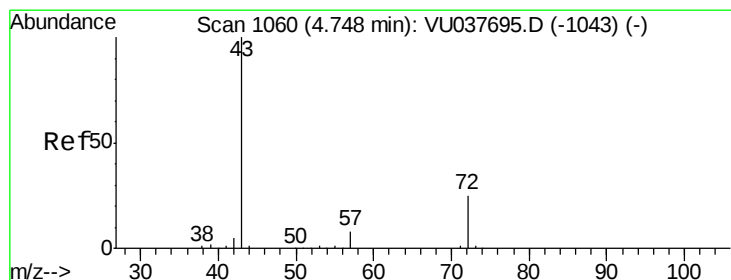
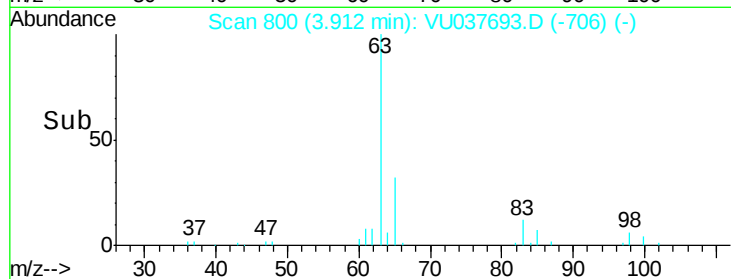
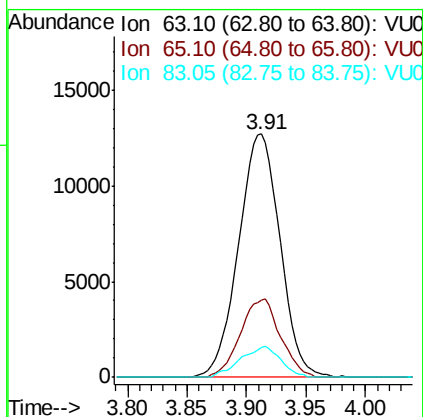
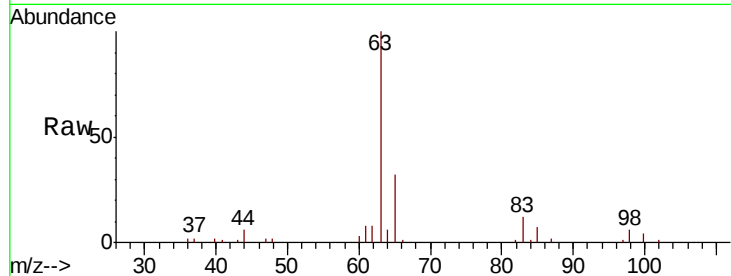




#19
 1,1-Dichloroethane
 Concen: 0.528 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

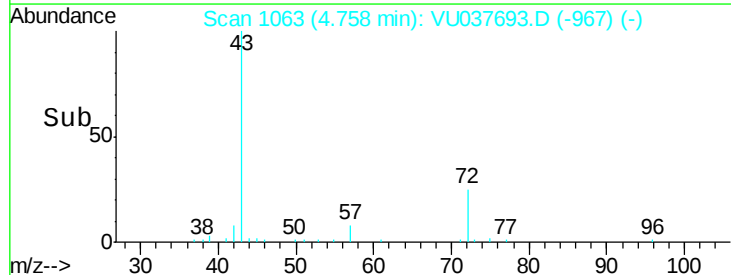
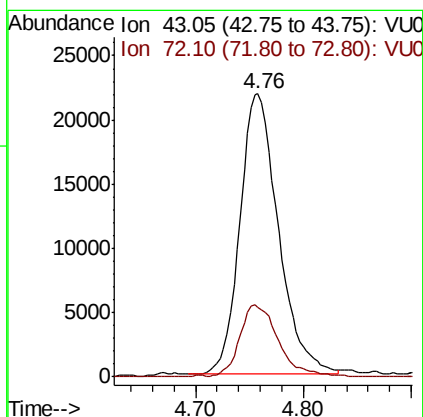
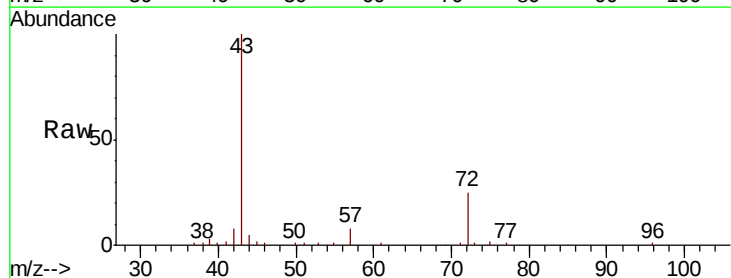
Instrument :
 MSVOA_U
 ClientSampleId :

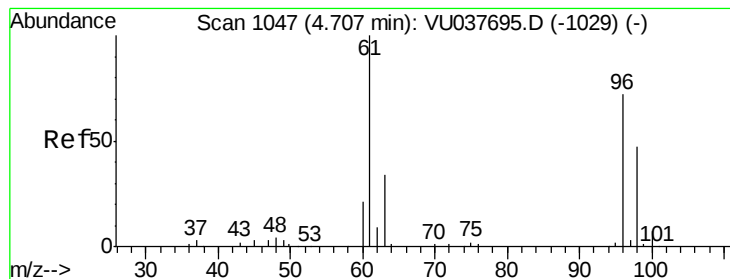
Tot Ion: 63 Resp: 30669
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.6 40.2
 83 12.1 8.6 16.0



#21
 2-Butanone
 Concen: 5.553 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion: 43 Resp: 54458
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 0.514 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :
MSVOA_U
ClientSampled :

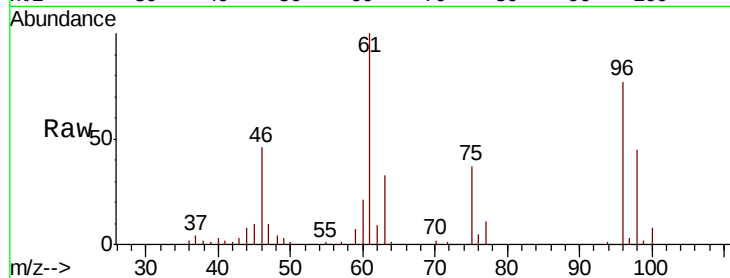
Tot Ion: 96 Resp: 17188

Ion Ratio Lower Upper

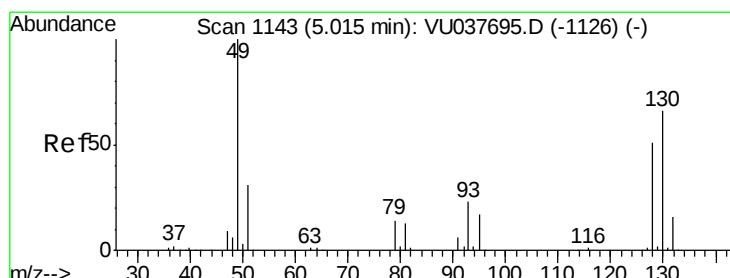
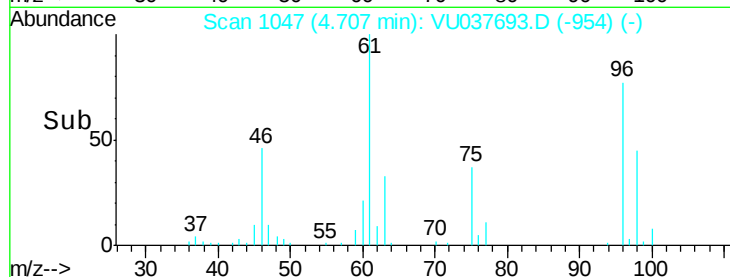
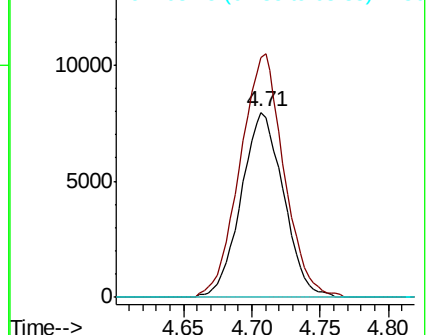
96 100

61 129.6 97.0 180.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.495 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Tgt Ion:128 Resp: 7194

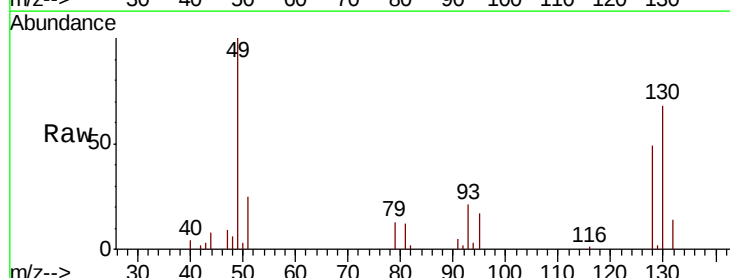
Ion Ratio Lower Upper

128 100

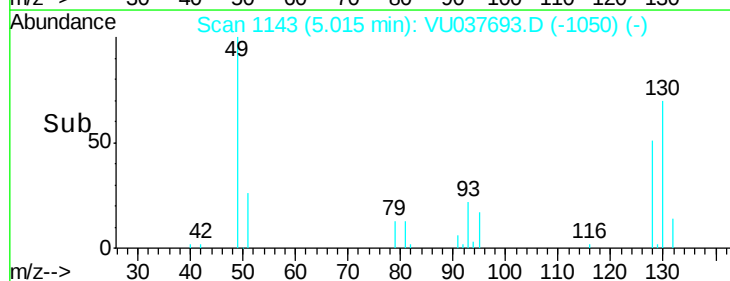
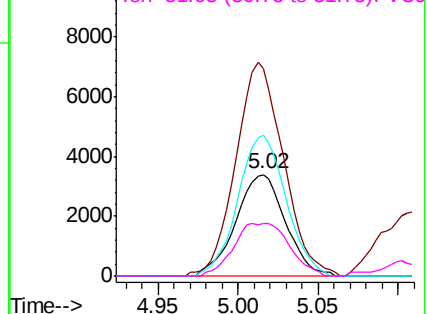
49 203.7 138.6 257.4

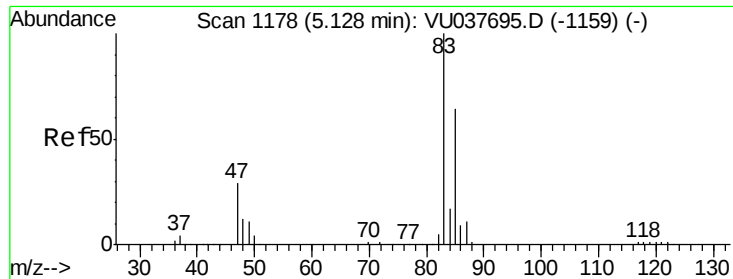
130 138.1 91.3 169.5

51 51.4 49.3 73.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

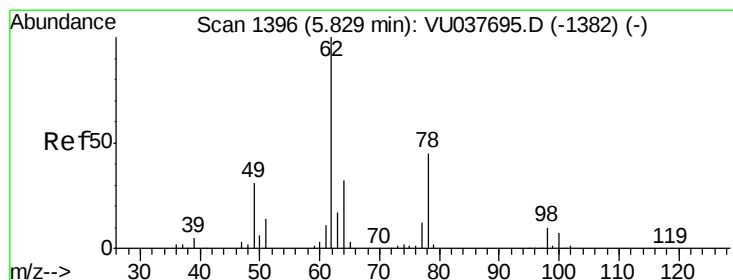
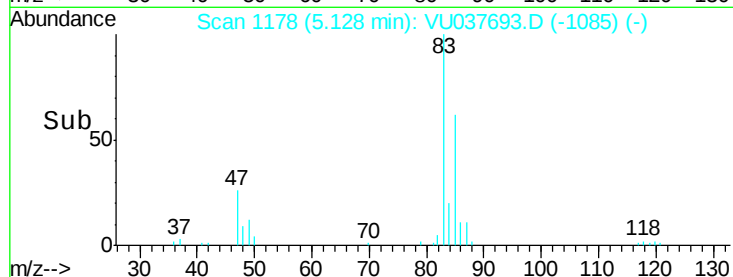
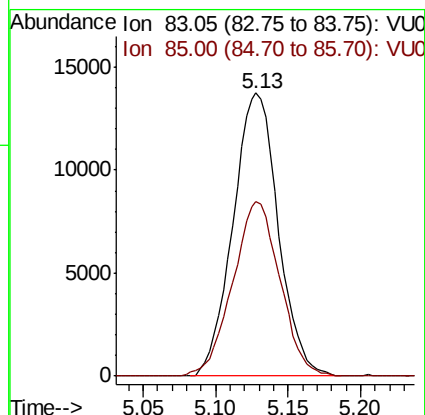
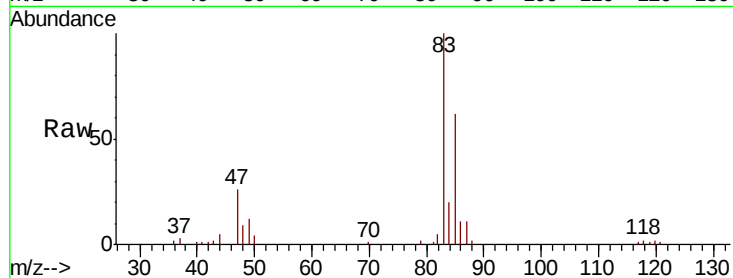




#25
Chloroform
Concen: 0.505 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

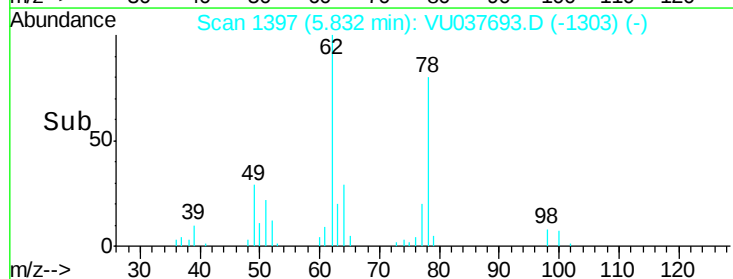
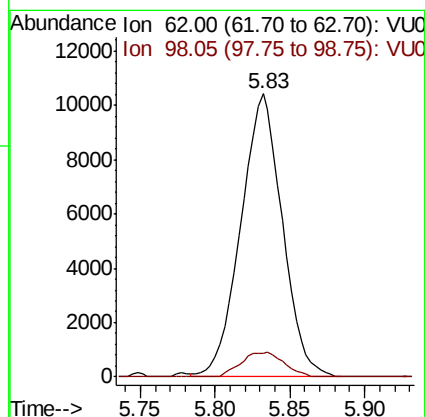
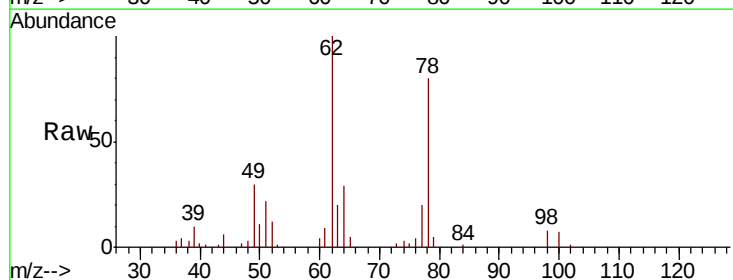
Instrument :
MSVOA_U
ClientSampled :

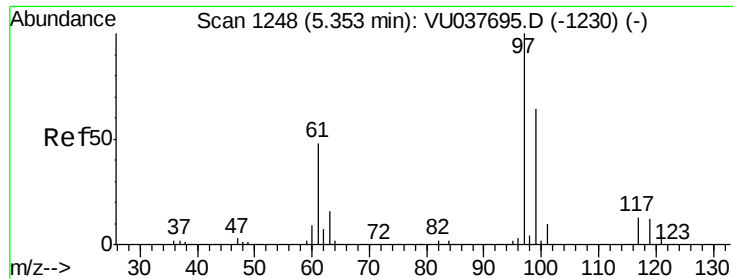
Tot Ion: 83 Resp: 29749
Ion Ratio Lower Upper
83 100
85 61.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.529 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Tgt Ion: 62 Resp: 20145
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4

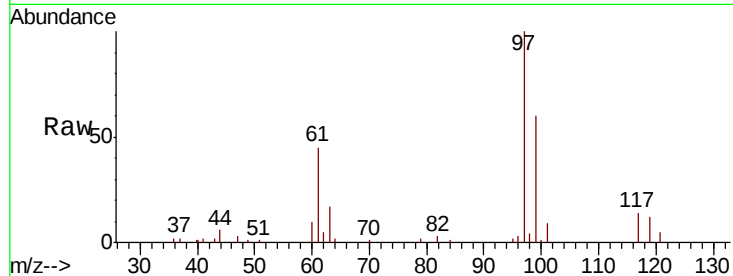




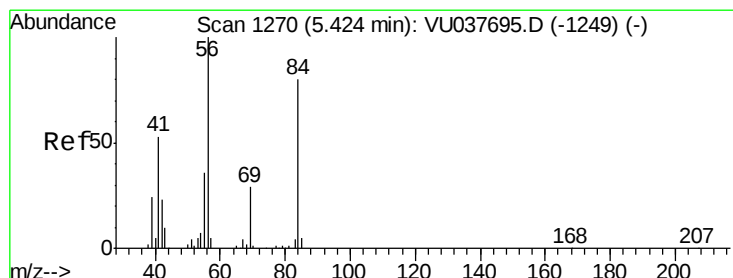
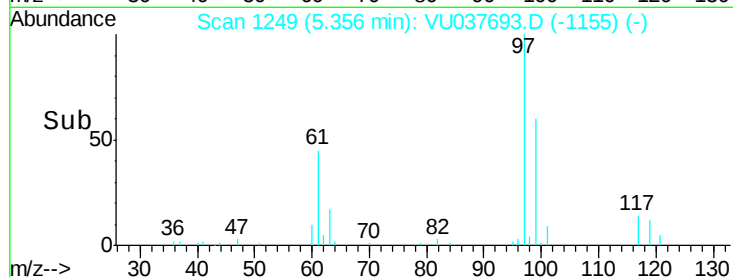
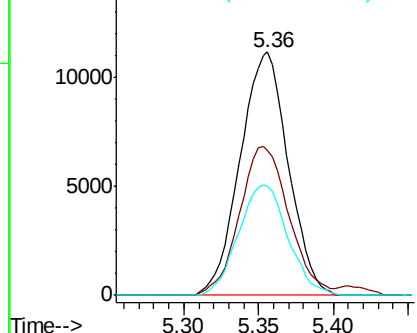
#29
 1,1,1-Trichloroethane
 Concen: 0.483 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 25013
 Ion Ratio Lower Upper
 97 100
 99 63.1 52.0 78.0
 61 46.7 37.8 56.8

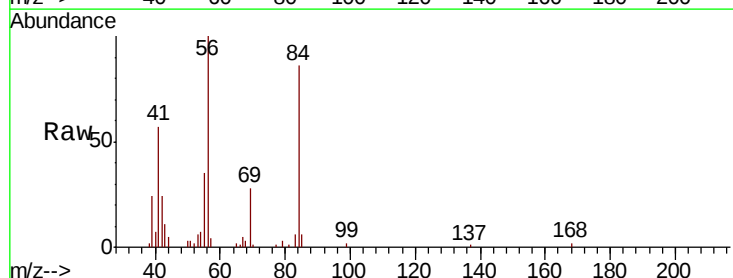


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

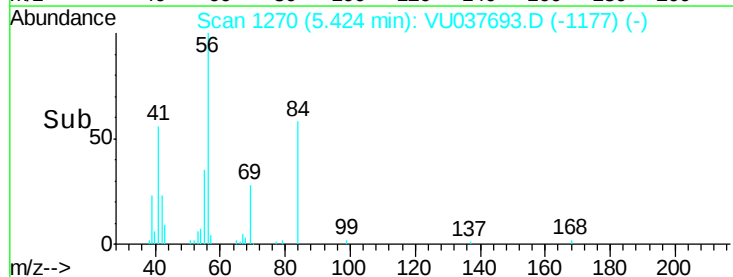
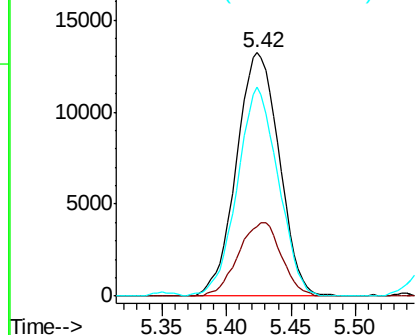


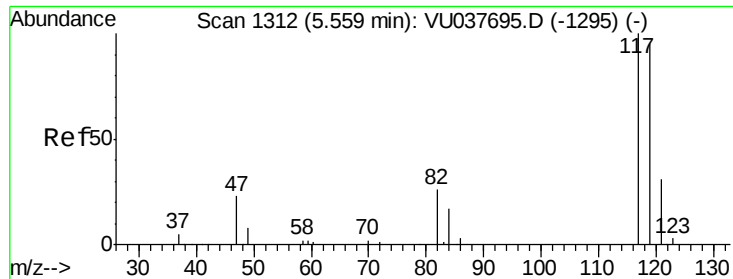
#30
 Cyclohexane
 Concen: 0.524 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion: 56 Resp: 30494
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.9 35.9
 84 82.2 65.6 98.4



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





#31

Carbon tetrachloride

Concen: 0.476 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

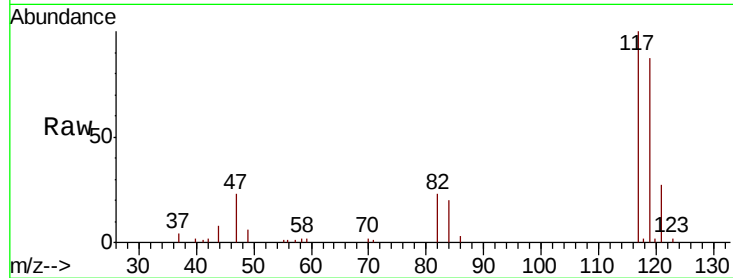
ClientSampled :

Tot Ion:117 Resp: 19885

Ion Ratio Lower Upper

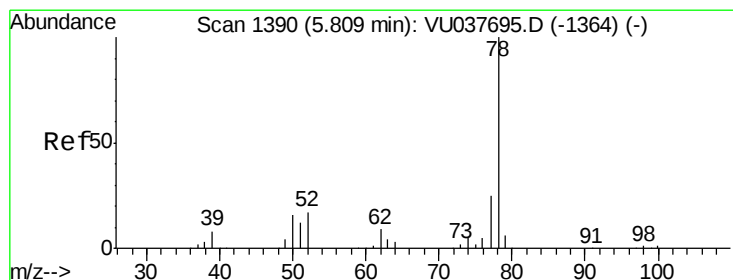
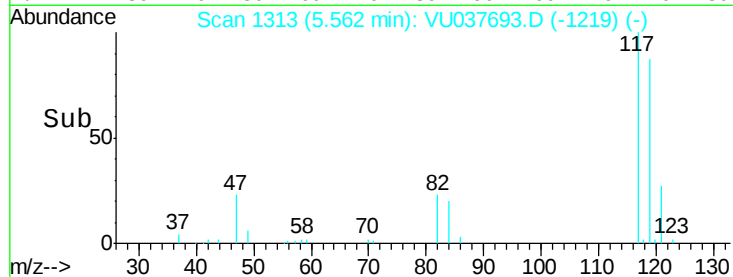
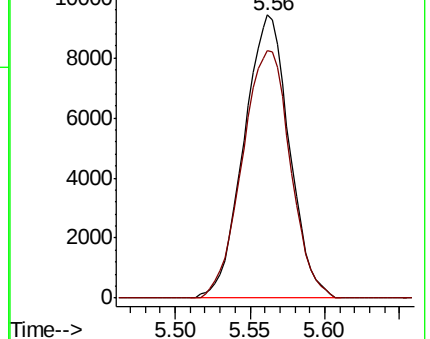
117 100

119 92.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.516 ug/L

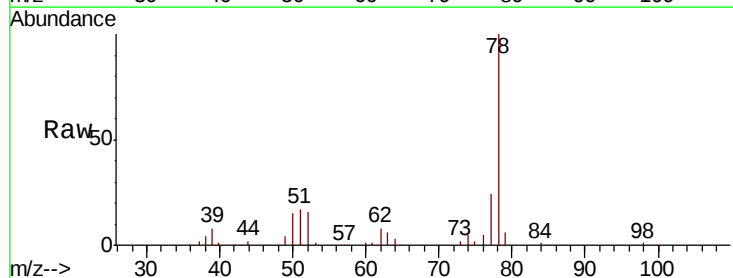
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

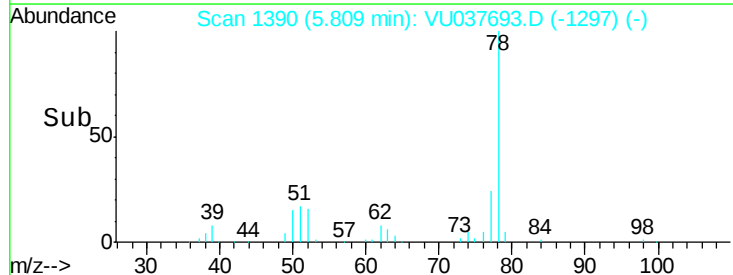
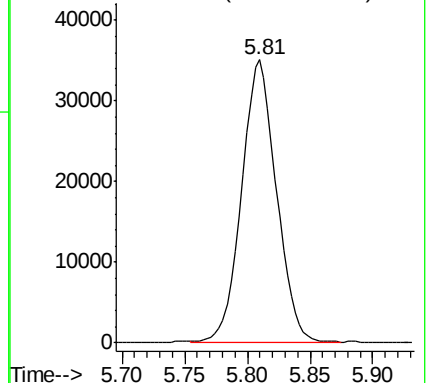
Lab File: VU037693.D

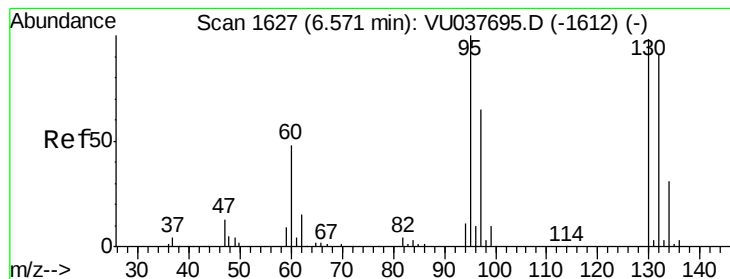
Acq: 14 Apr 2020 11:13

Tgt Ion: 78 Resp: 67105



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.483 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 16436

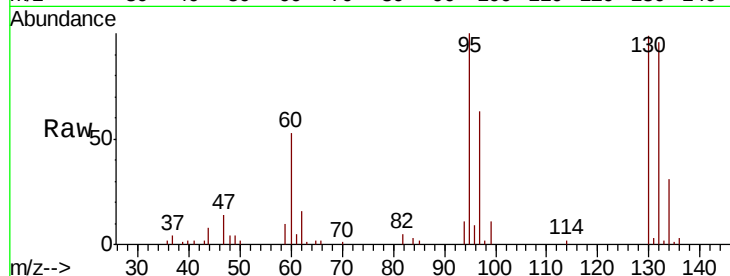
Ion Ratio Lower Upper

95 100

97 62.7 45.4 84.2

132 96.1 63.7 118.3

130 99.1 68.7 127.5

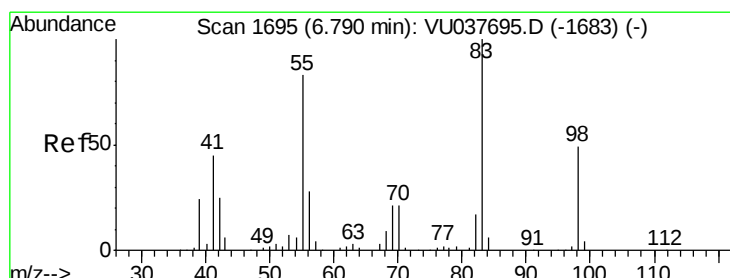
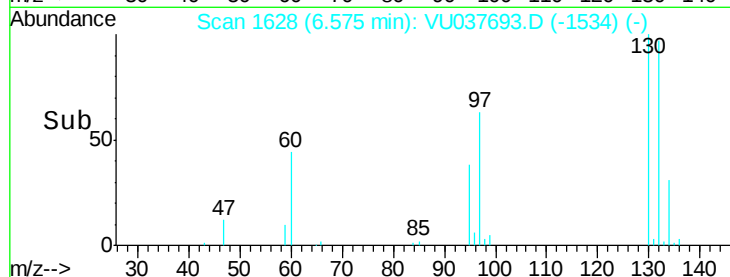
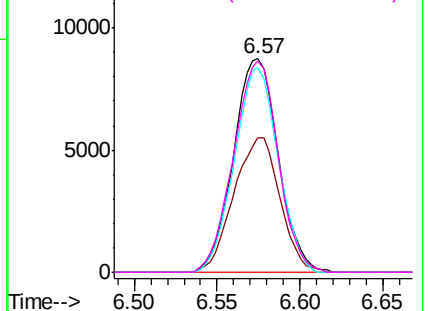


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.502 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

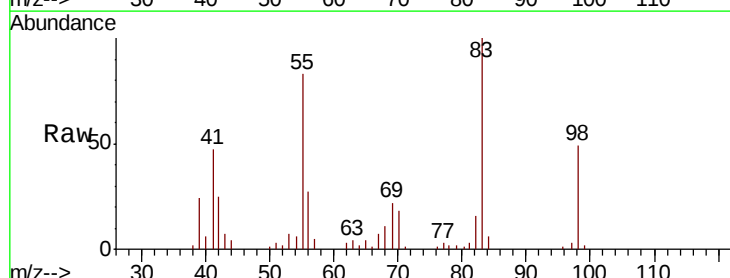
Tgt Ion: 83 Resp: 28829

Ion Ratio Lower Upper

83 100

55 81.4 65.5 98.3

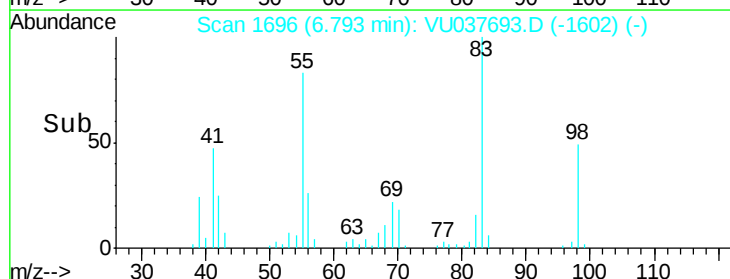
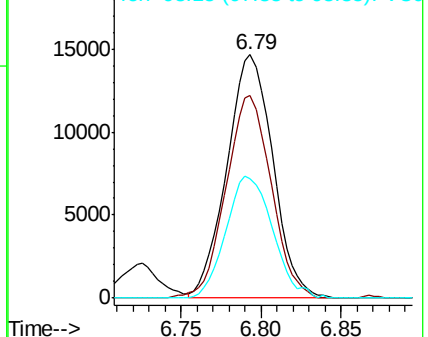
98 50.7 38.2 57.4

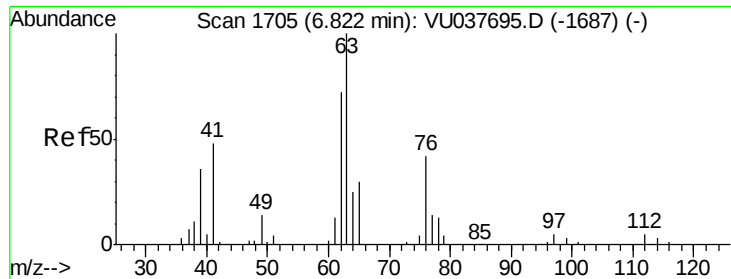


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

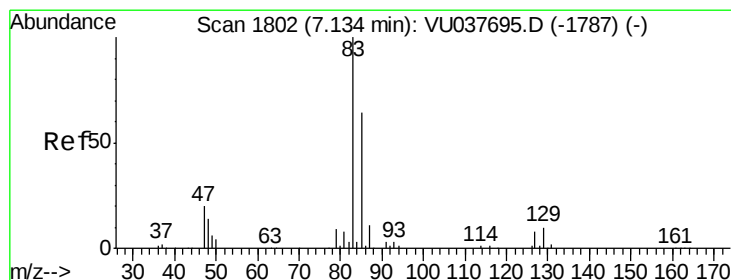
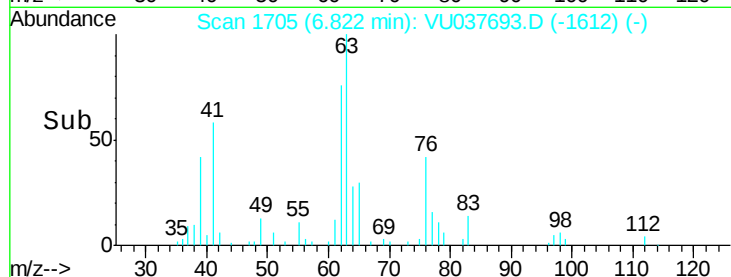
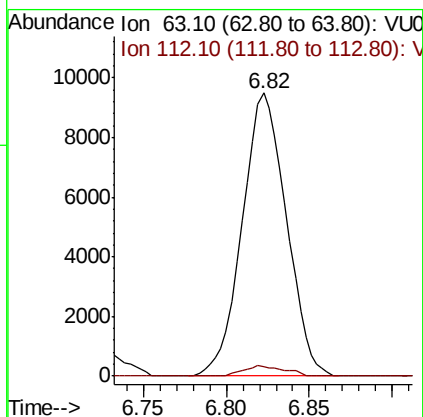
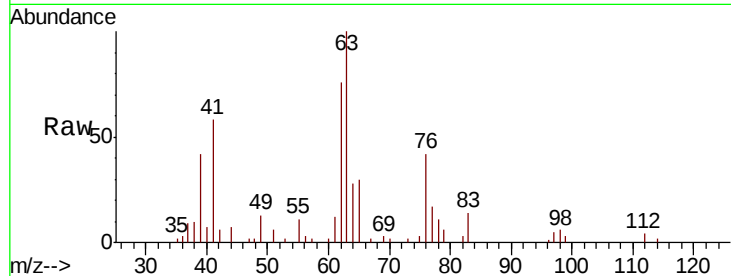




#37
 1,2-Dichloropropane
 Concen: 0.503 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

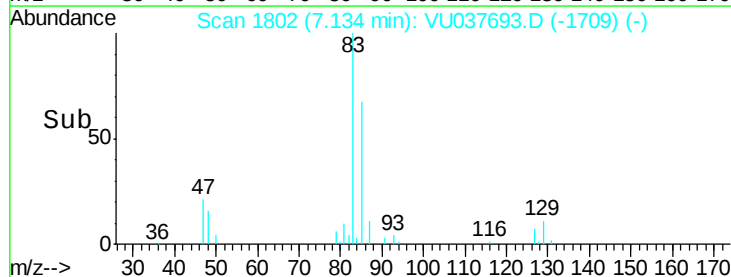
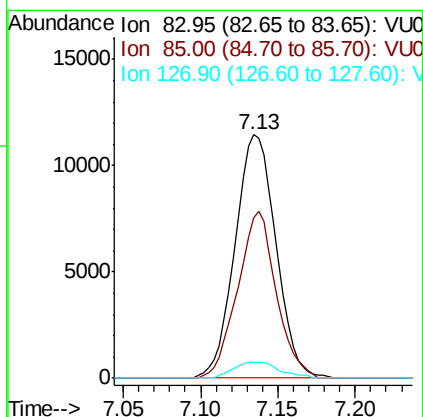
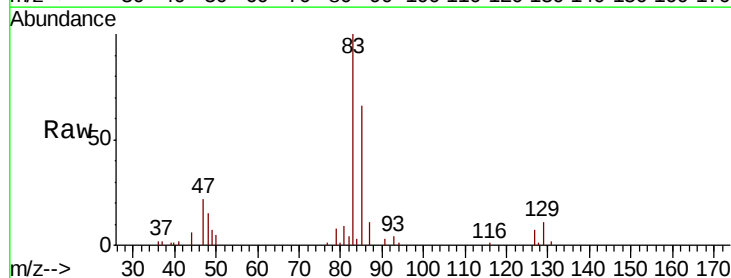
Instrument :
 MSVOA_U
 ClientSampled :

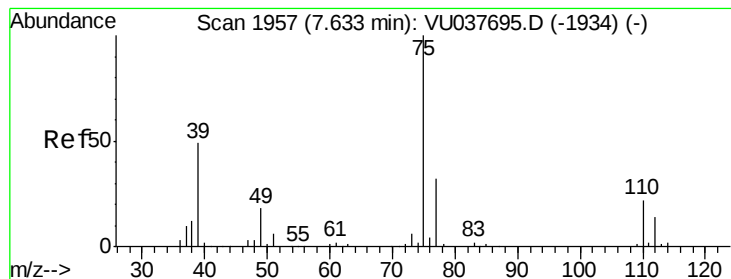
Tot Ion: 63 Resp: 17555
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 0.475 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion: 83 Resp: 21026
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.1 83.7
 127 6.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.516 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

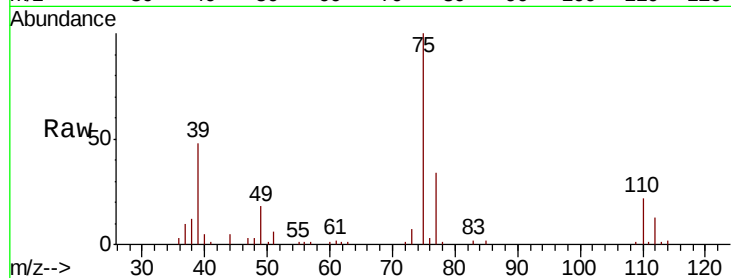
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 27879

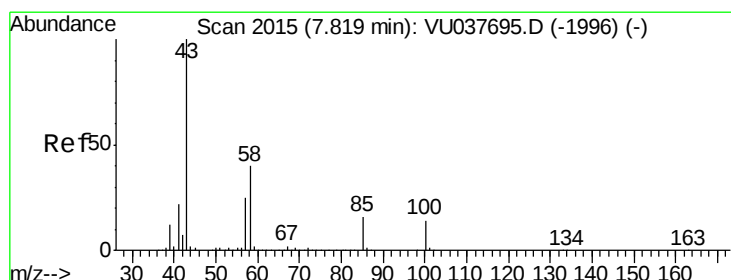
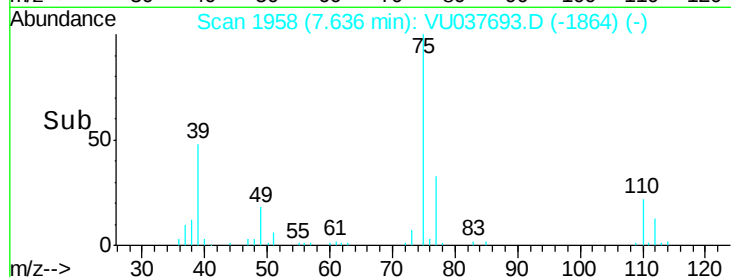
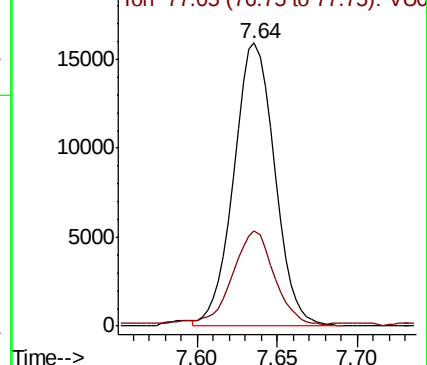
Ion Ratio Lower Upper

75 100

77 33.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU037693.D (-1864) (-)



#40

4-Methyl-2-pentanone

Concen: 5.337 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

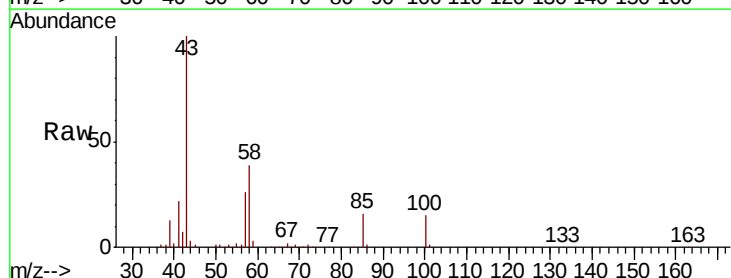
Tgt Ion: 43 Resp: 131840

Ion Ratio Lower Upper

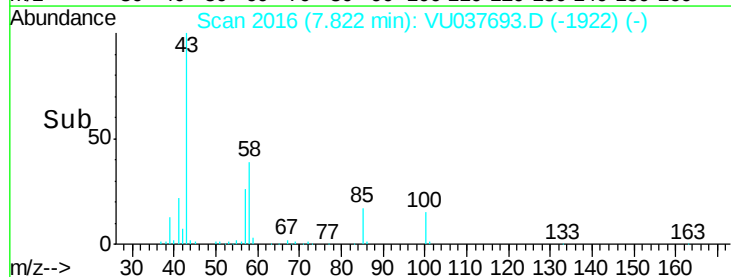
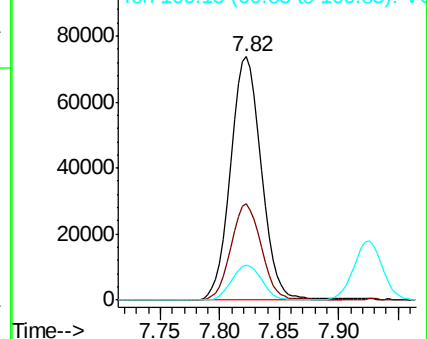
43 100

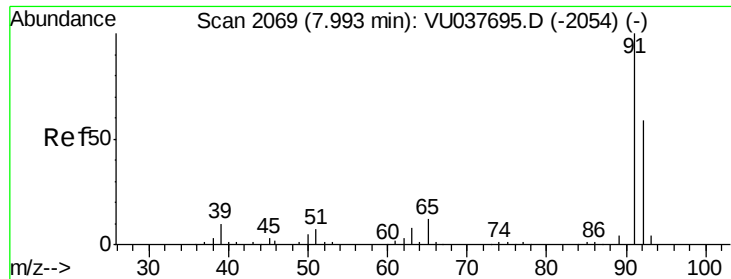
58 39.2 31.3 46.9

100 14.3 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VU037693.D (-1922) (-)





#42

Toluene

Concen: 0.507 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

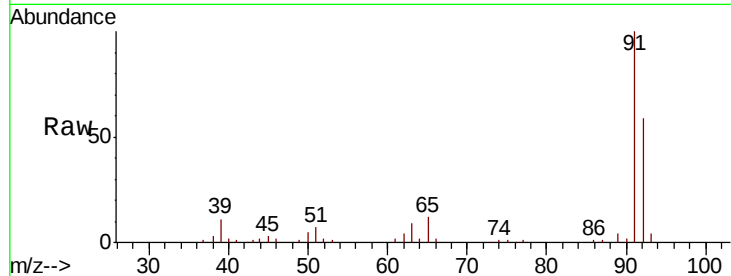
ClientSampleId :

Tot Ion: 91 Resp: 69967

Ion Ratio Lower Upper

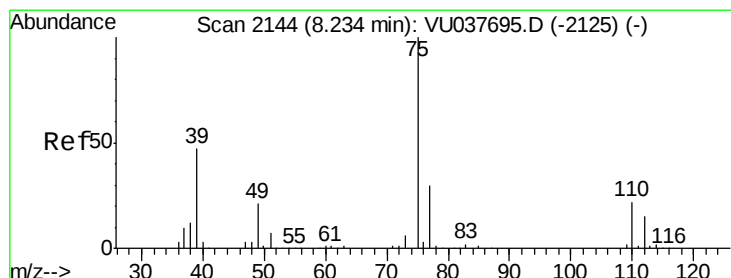
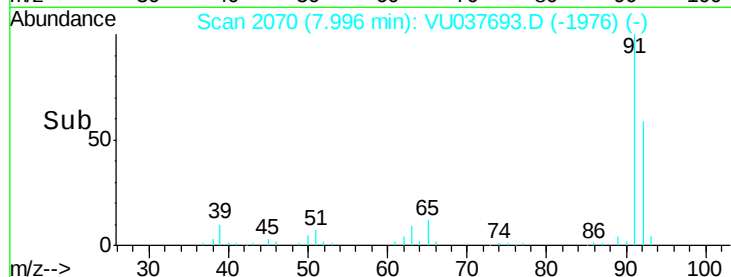
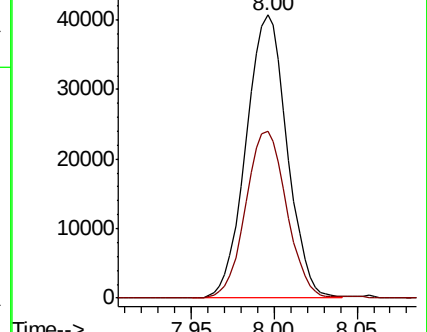
91 100

92 59.0 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037693.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU037693.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.517 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037693.D

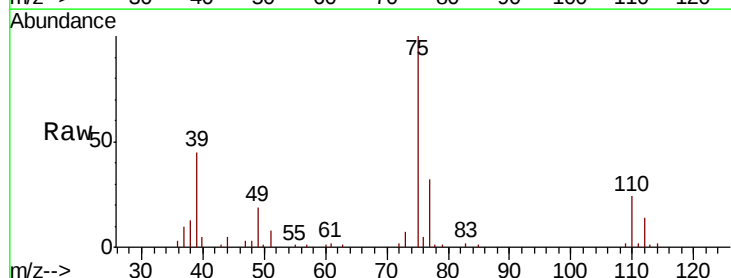
Acq: 14 Apr 2020 11:13

Tgt Ion: 75 Resp: 24291

Ion Ratio Lower Upper

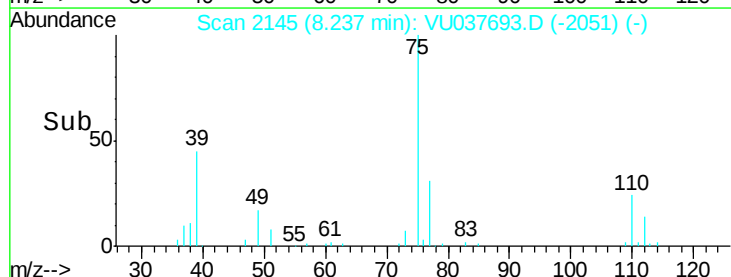
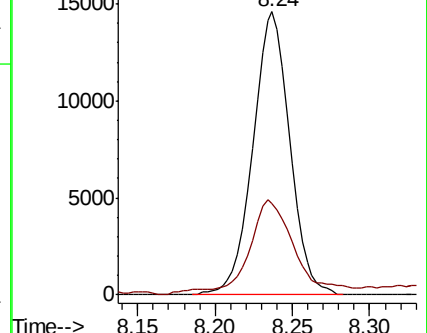
75 100

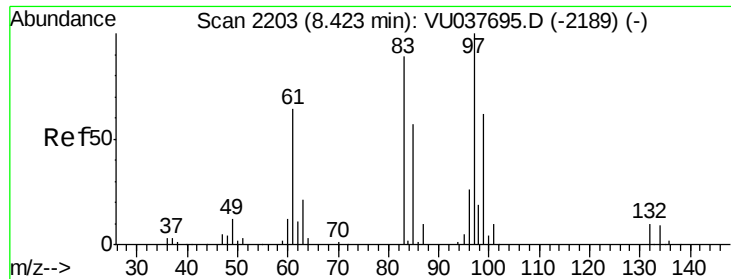
77 32.5 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037693.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU037693.D (-2051) (-)

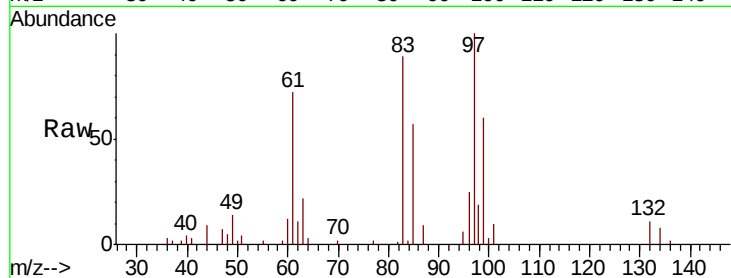




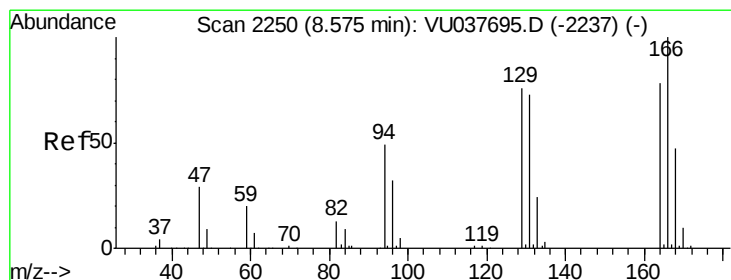
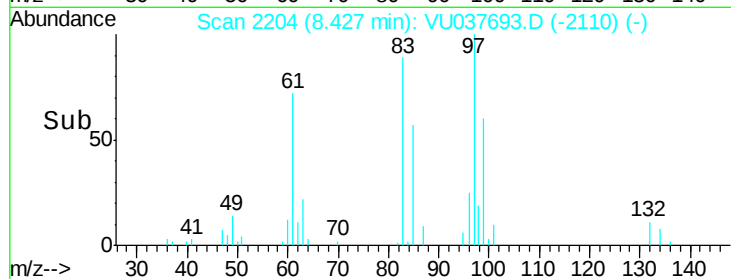
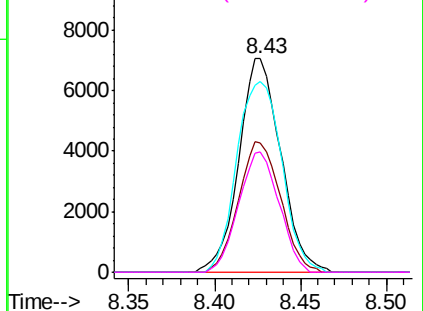
#45
 1,1,2-Trichloroethane
 Concen: 0.493 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	11968
Ion	Ratio	Lower	Upper
97	100		
99	60.4	43.1	80.1
83	89.3	62.4	116.0
85	56.5	39.6	73.6

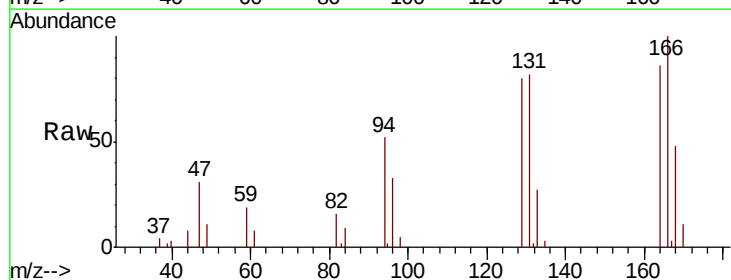


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

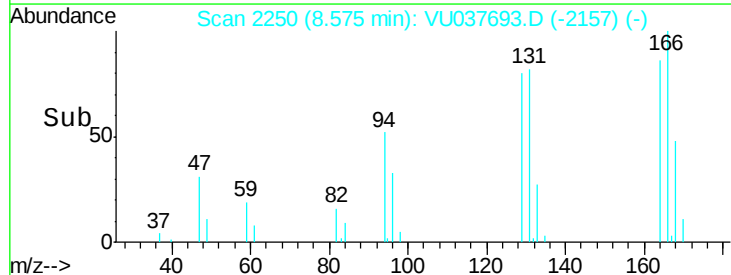
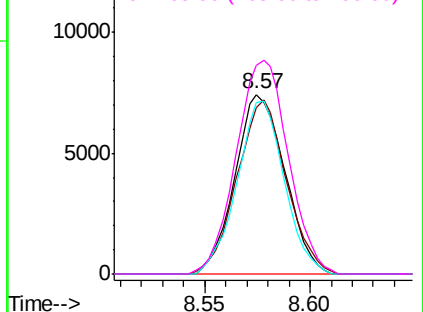


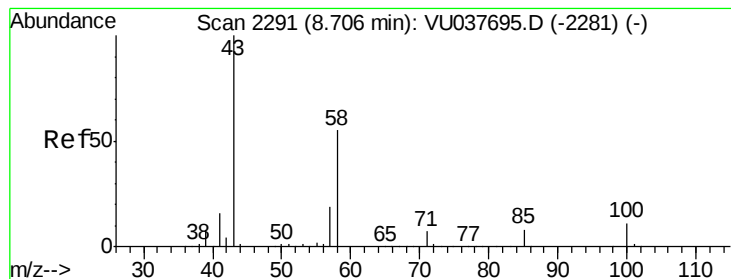
#47
 Tetrachloroethene
 Concen: 0.544 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion:	164	Resp:	12196
Ion	Ratio	Lower	Upper
164	100		
129	93.0	68.1	126.5
131	95.3	65.9	122.5
166	116.2	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: 5.327 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 95032

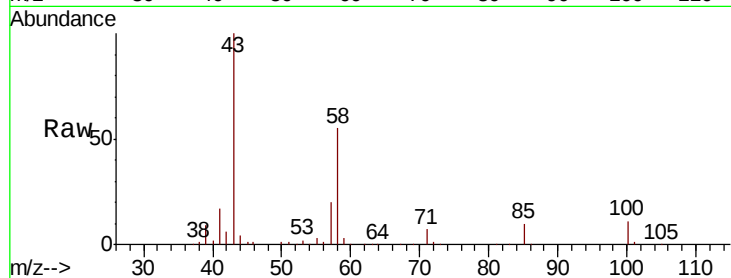
Ion Ratio Lower Upper

43 100

58 55.1 43.6 65.4

57 19.9 15.4 23.0

100 11.2 9.1 13.7

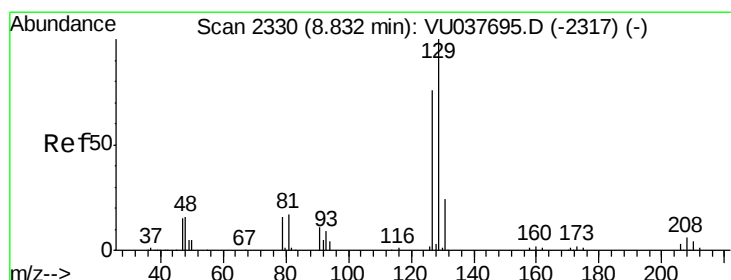
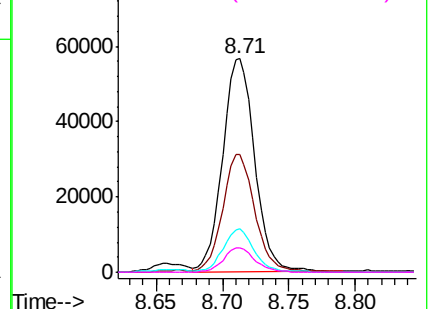
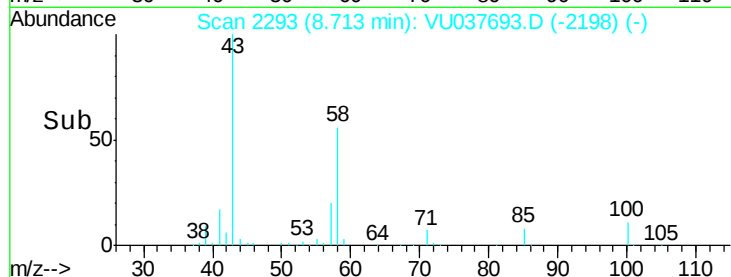


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.488 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037693.D

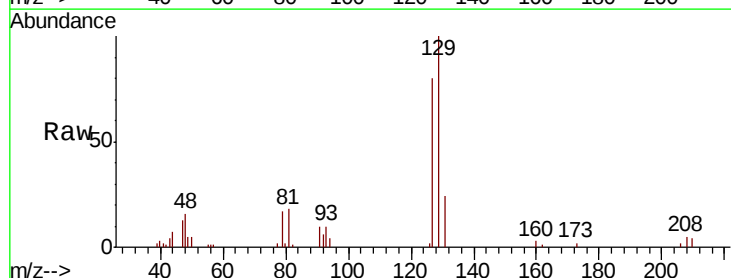
Acq: 14 Apr 2020 11:13

Tgt Ion: 129 Resp: 14018

Ion Ratio Lower Upper

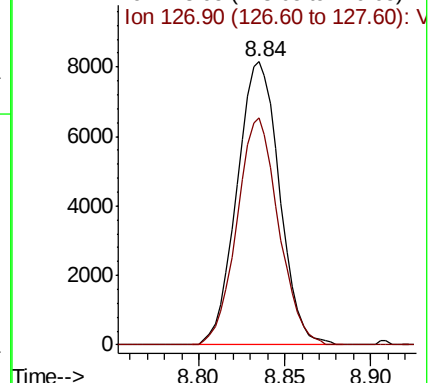
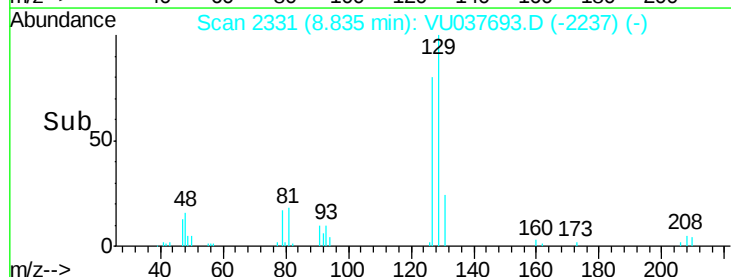
129 100

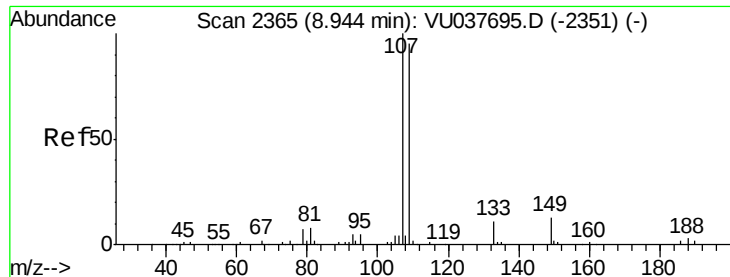
127 80.1 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

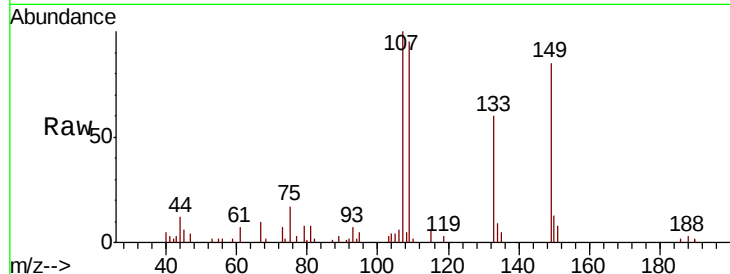




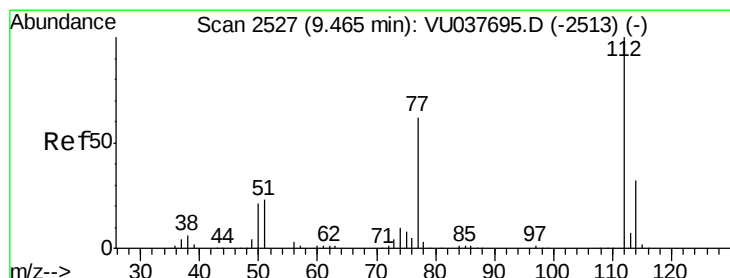
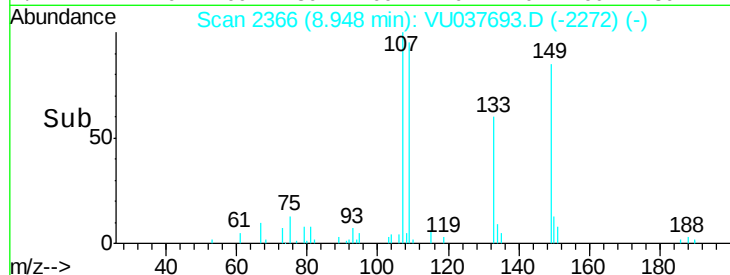
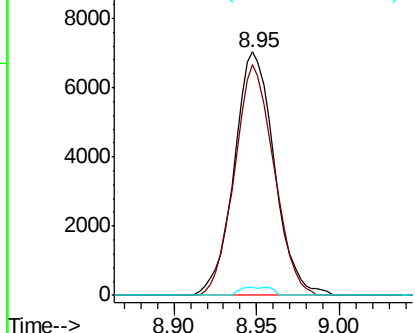
#50
1,2-Dibromoethane
Concen: 0.502 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 11843
Ion Ratio Lower Upper
107 100
109 94.7 66.3 123.1
188 3.3 2.5 3.7

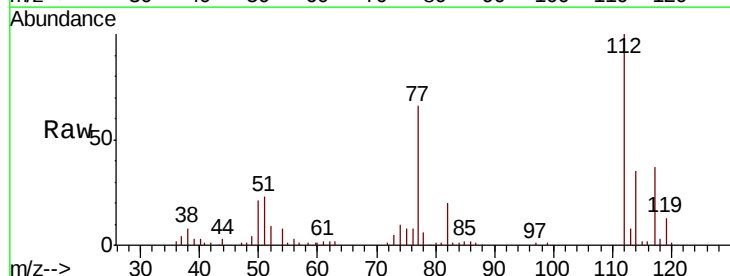


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

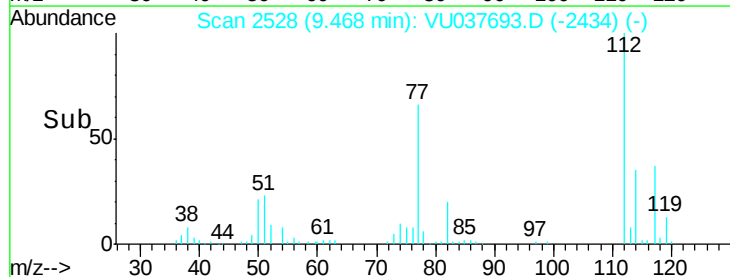
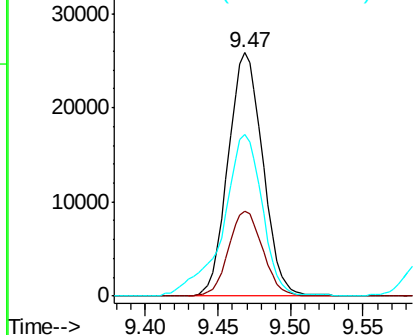


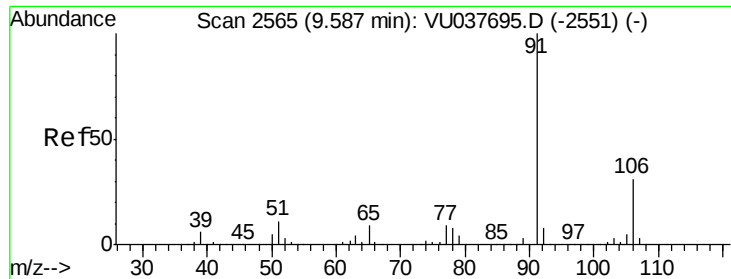
#51
Chlorobenzene
Concen: 0.505 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Tgt Ion:112 Resp: 42923
Ion Ratio Lower Upper
112 100
114 35.0 22.6 42.0
77 66.4 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: 0.493 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

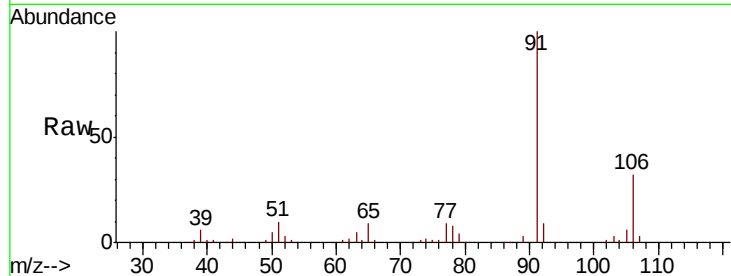
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 77219

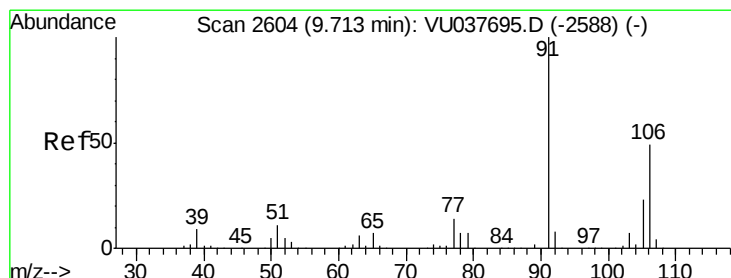
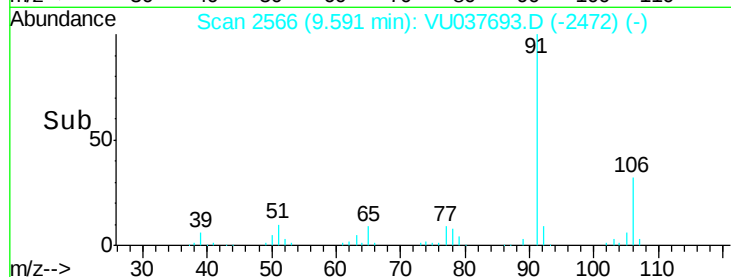
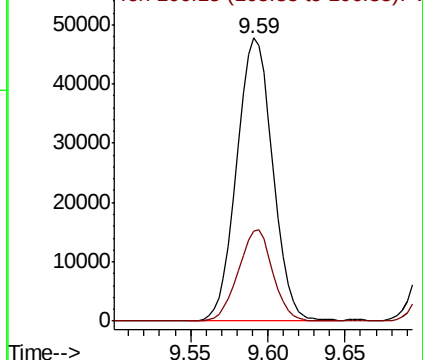
Ion Ratio Lower Upper

91 100

106 31.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037693.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.499 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037693.D

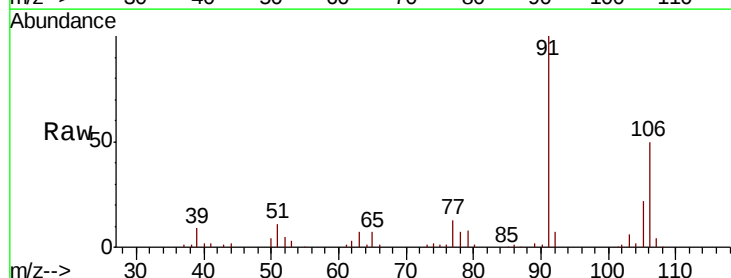
Acq: 14 Apr 2020 11:13

Tgt Ion: 106 Resp: 29419

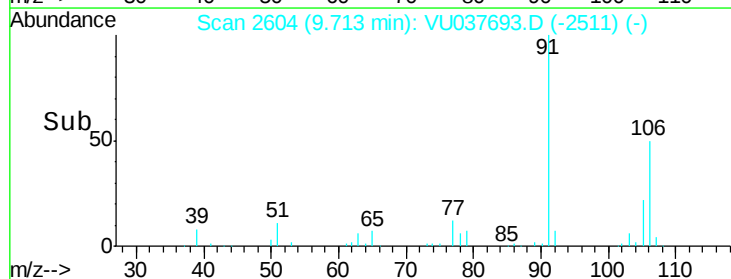
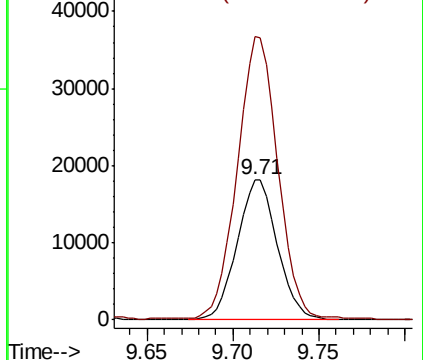
Ion Ratio Lower Upper

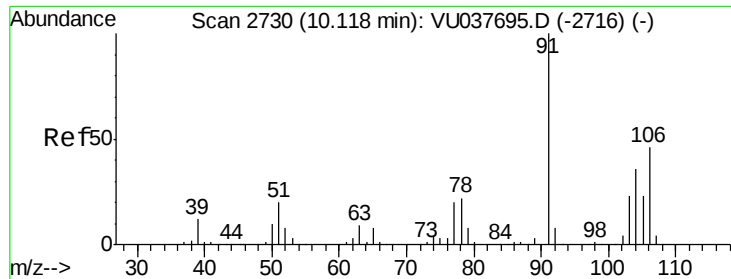
106 100

91 201.3 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037693.D (-2588) (-)

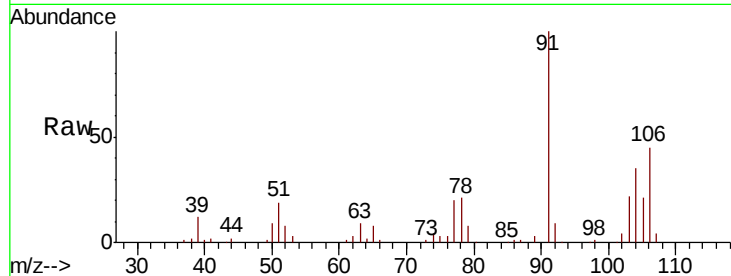




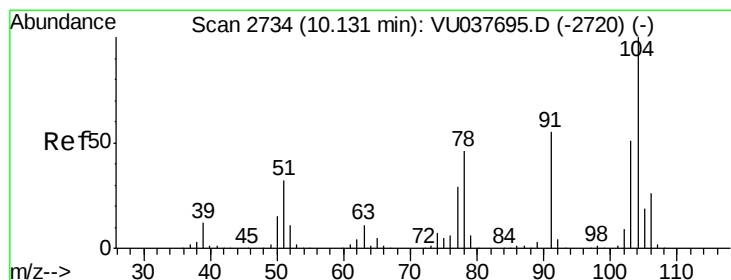
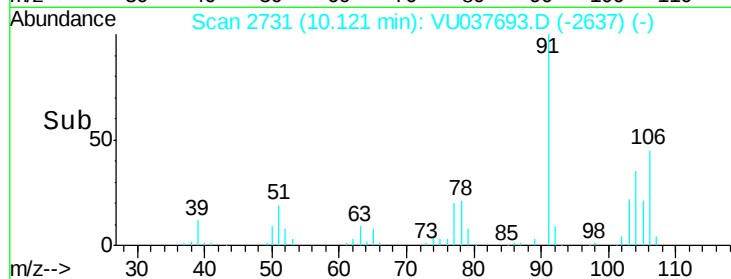
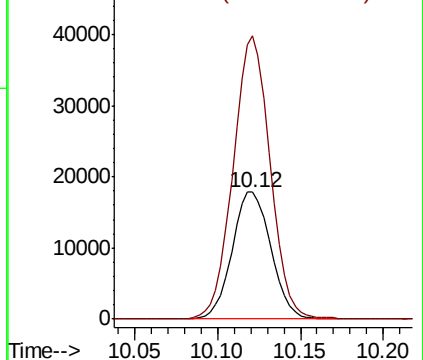
#54
o-Xylene
Concen: 0.512 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 29050
Ion Ratio Lower Upper
106 100
91 222.9 151.1 280.7

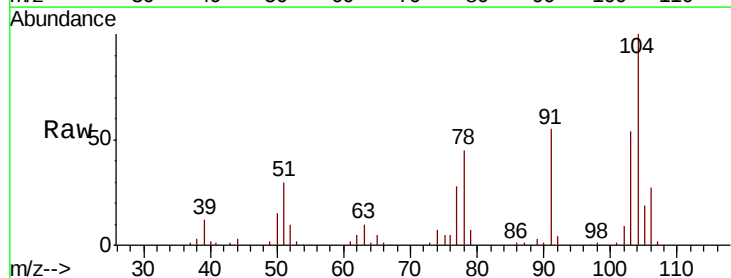


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

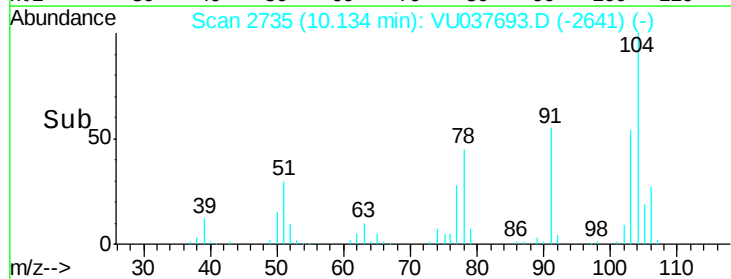
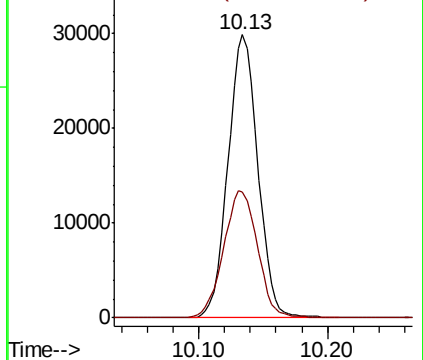


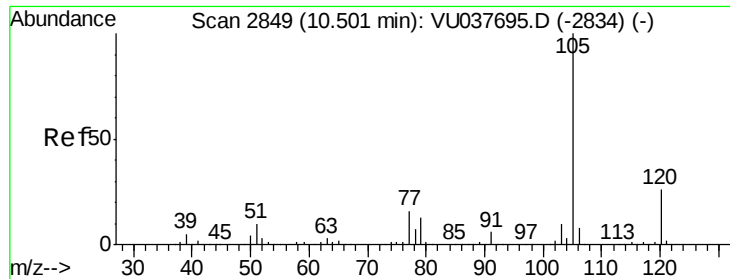
#55
Styrene
Concen: 0.490 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037693.D
Acq: 14 Apr 2020 11:13

Tgt Ion:104 Resp: 48064
Ion Ratio Lower Upper
104 100
78 44.6 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: 0.483 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampleId :

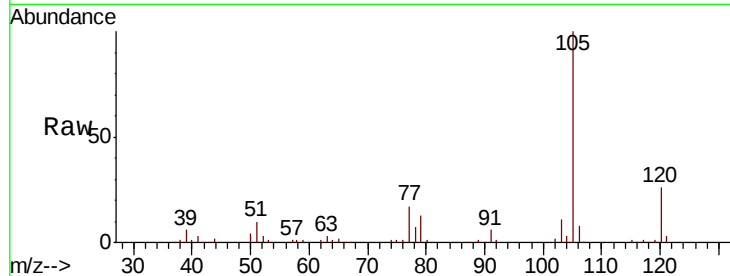
Tot Ion:105 Resp: 74752

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

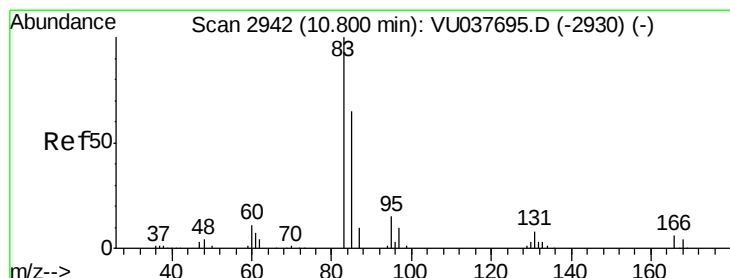
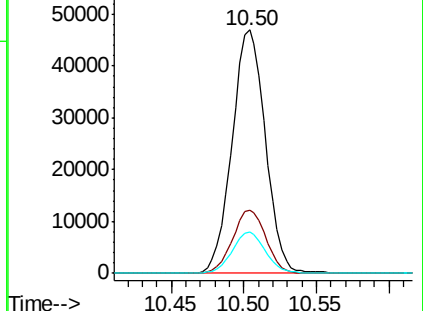
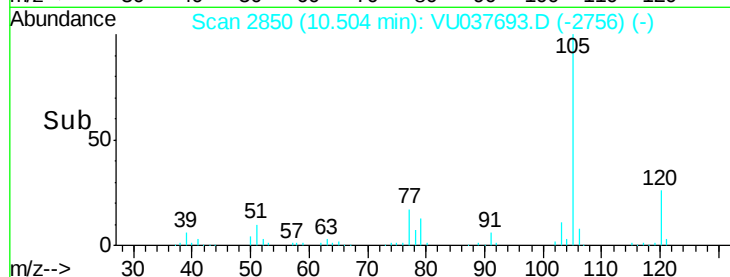
77 16.9 13.2 19.8



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: 0.479 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

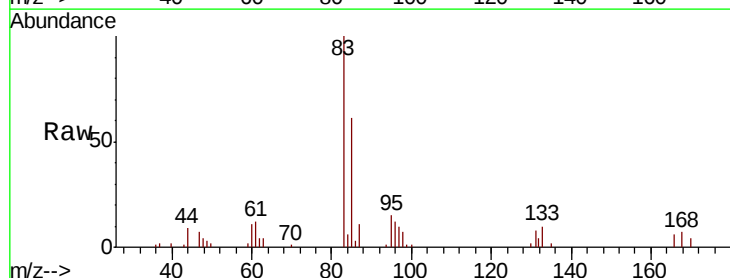
Tgt Ion: 83 Resp: 15611

Ion Ratio Lower Upper

83 100

85 60.6 45.3 84.1

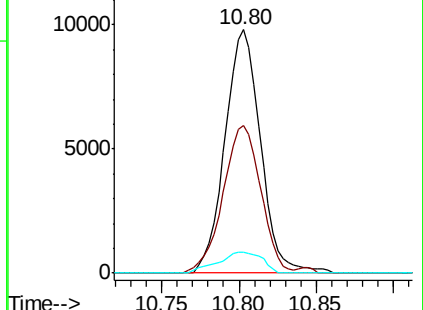
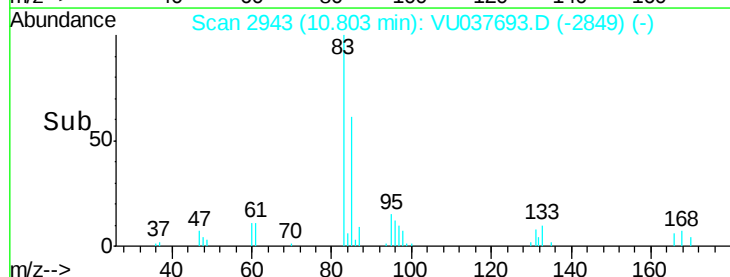
131 8.5 7.4 11.2

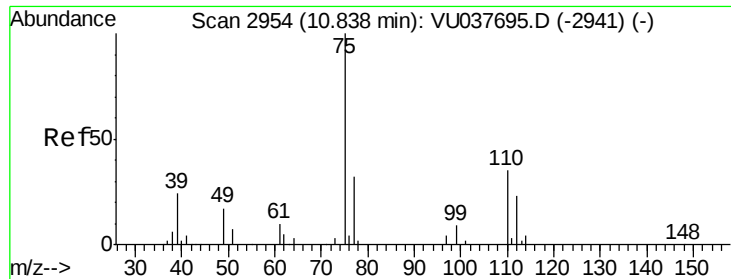


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

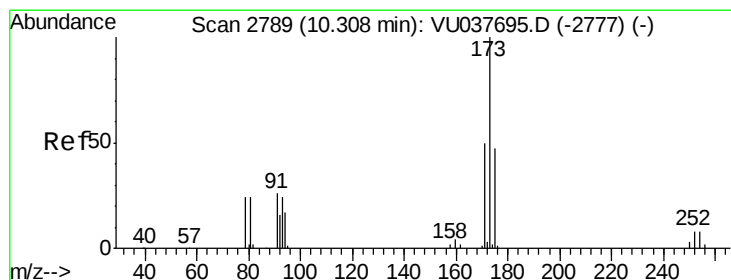
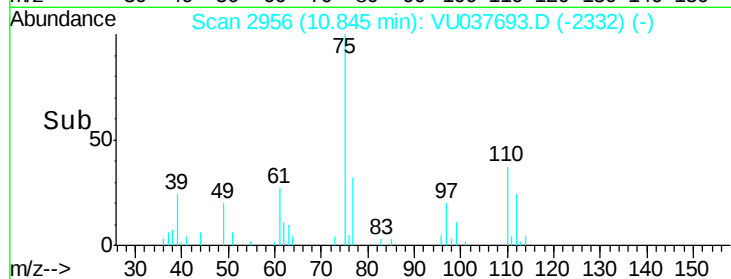
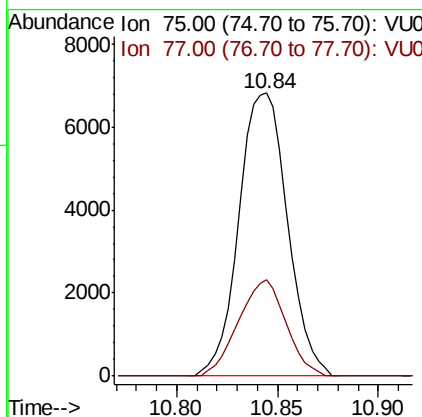
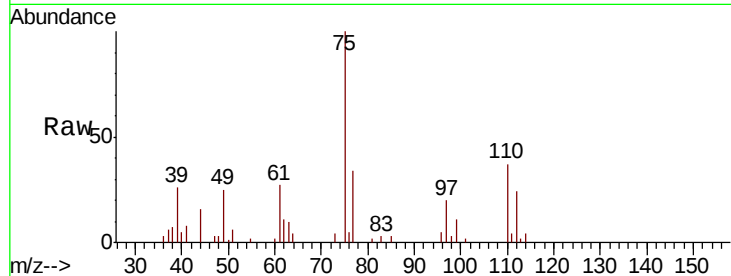




#59
 1,2,3-Trichloropropane
 Concen: 0.503 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.01 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

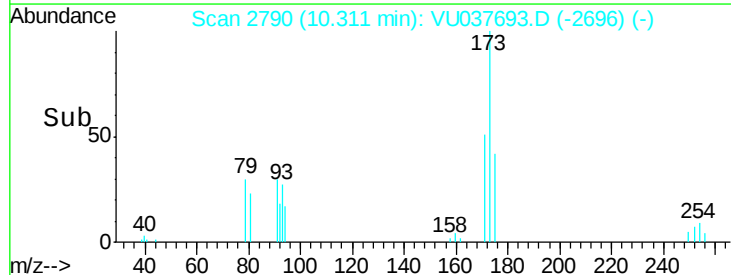
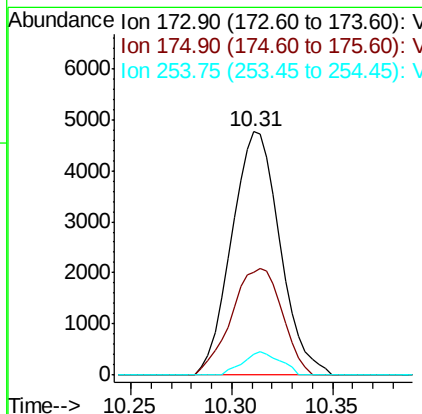
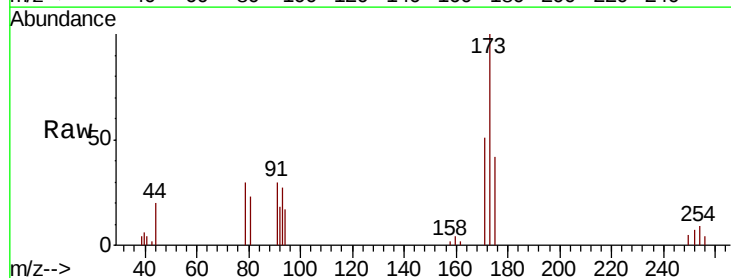
Instrument :
 MSVOA_U
 ClientSampleId :

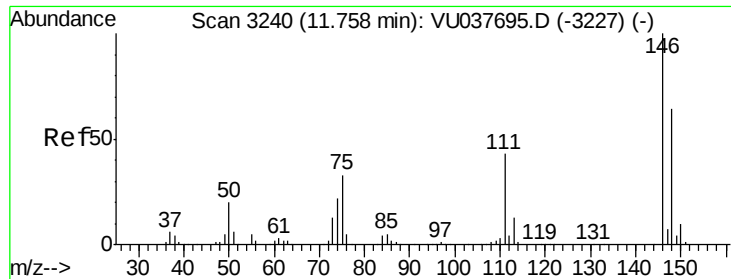
Tot Ion: 75 Resp: 11496
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.2



#61
 Bromoform
 Concen: 0.482 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion: 173 Resp: 7970
 Ion Ratio Lower Upper
 173 100
 175 46.1 37.6 56.4
 254 7.4 5.8 8.8

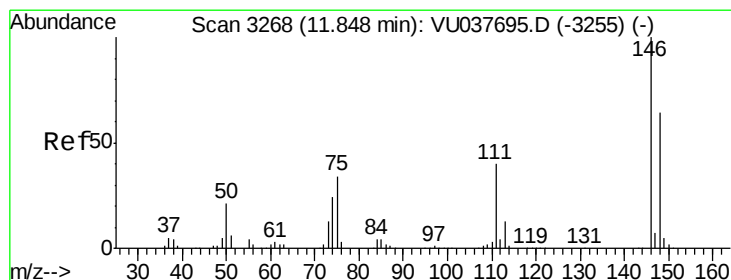
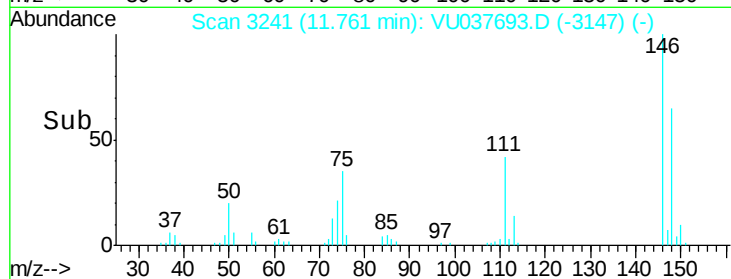
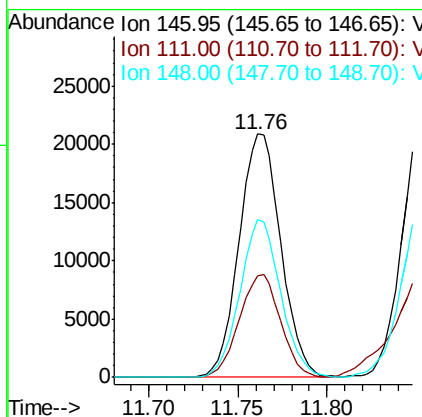
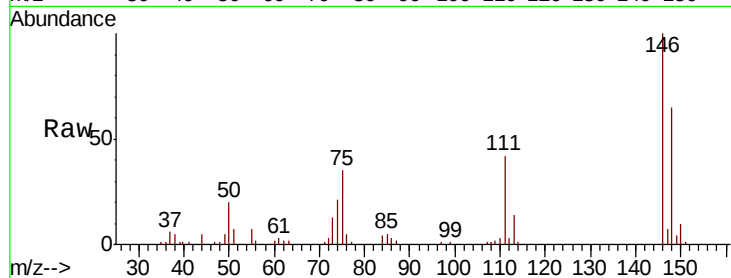




#62
 1,3-Dichlorobenzene
 Concen: 0.511 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

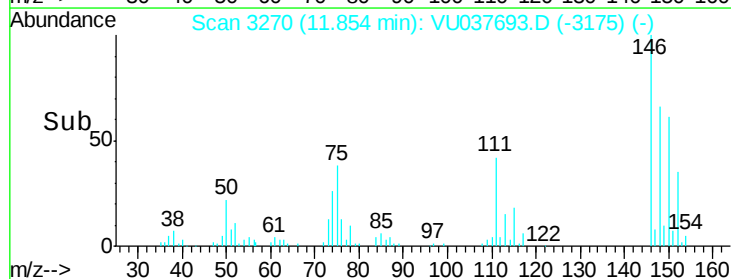
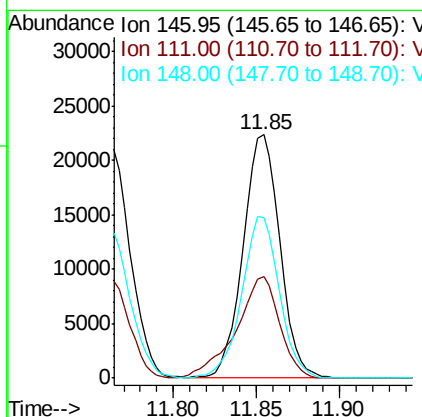
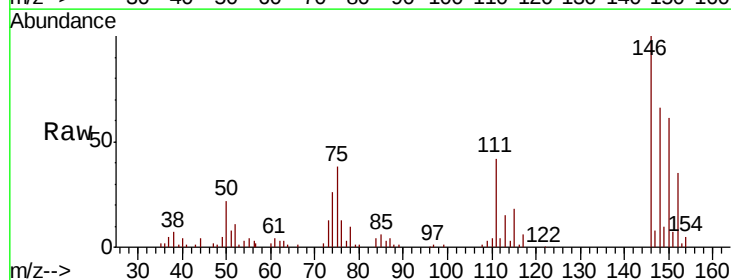
Instrument :
 MSVOA_U
 ClientSampled :

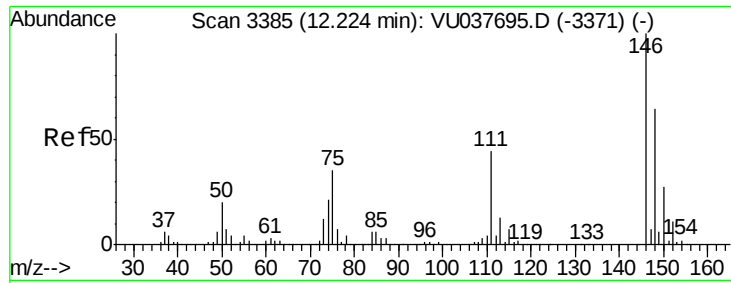
Tot Ion:146 Resp: 34255
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.8 55.3
 148 64.7 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 0.506 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.01 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt Ion:146 Resp: 34501
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.4 52.8
 148 66.0 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 0.513 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampled :

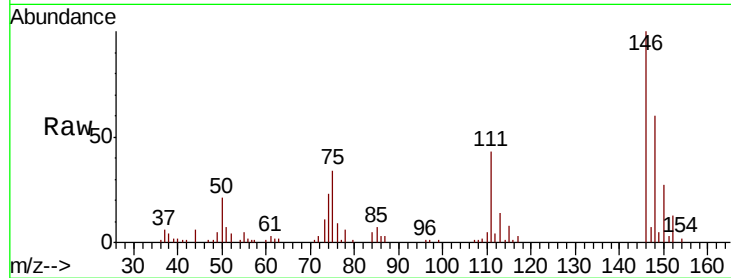
Tot Ion:146 Resp: 32933

Ion Ratio Lower Upper

146 100

111 42.7 35.0 52.6

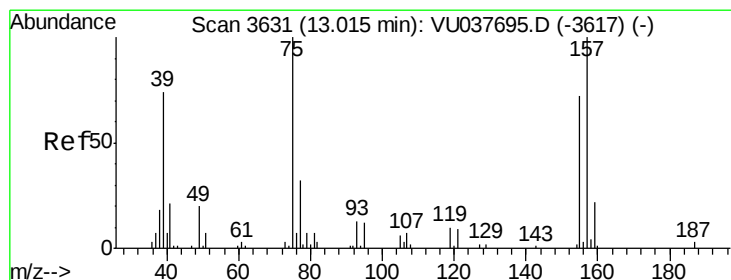
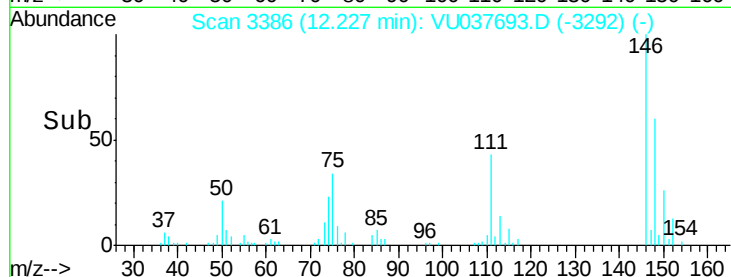
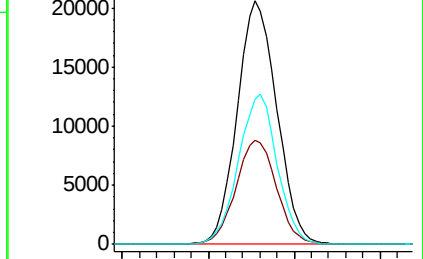
148 59.6 51.5 77.3



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: 0.518 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

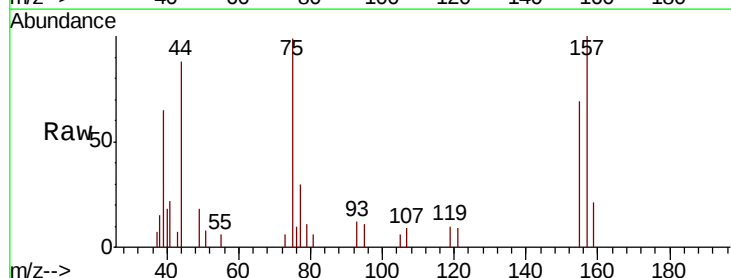
Tgt Ion: 75 Resp: 3177

Ion Ratio Lower Upper

75 100

155 68.9 57.9 86.9

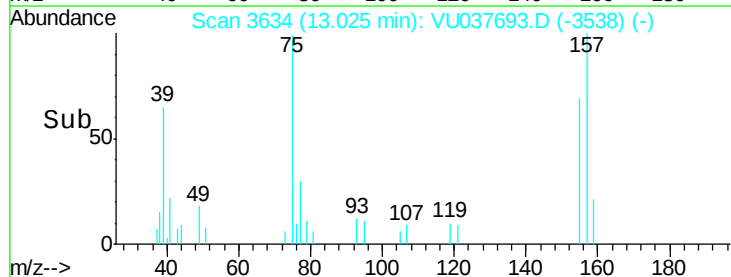
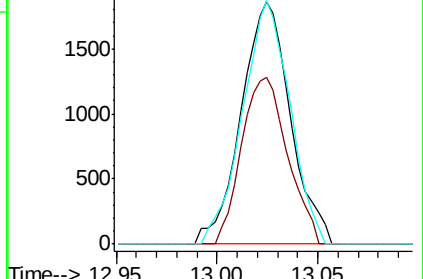
157 100.6 79.8 119.8

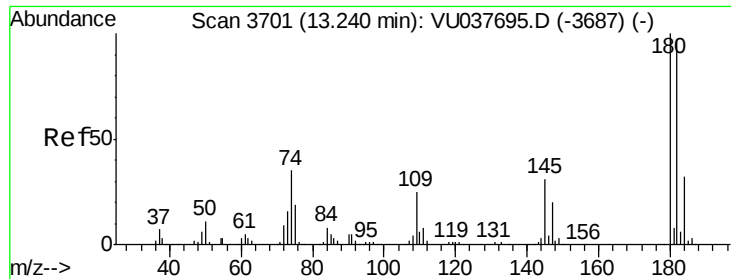


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

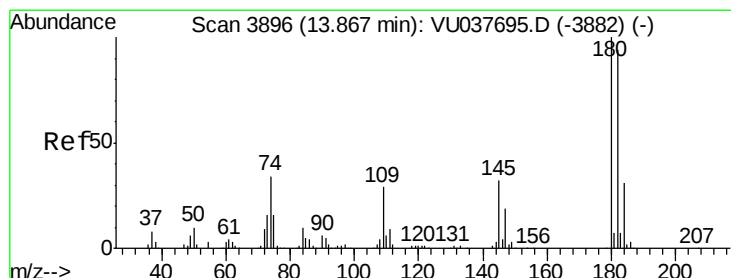
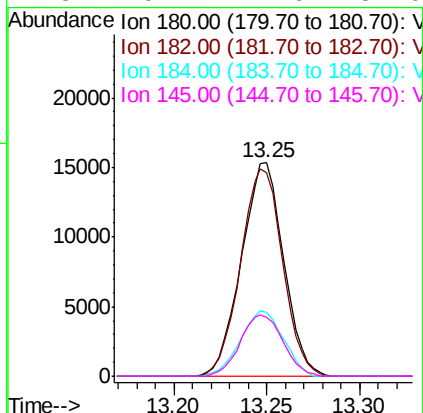
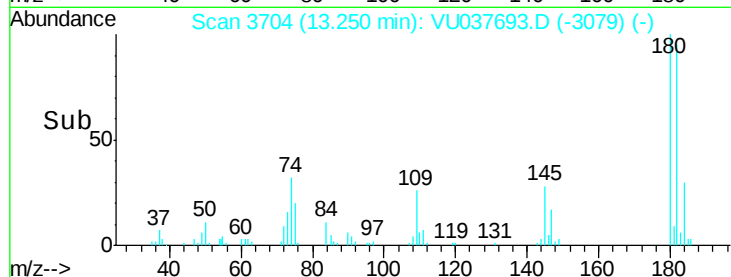
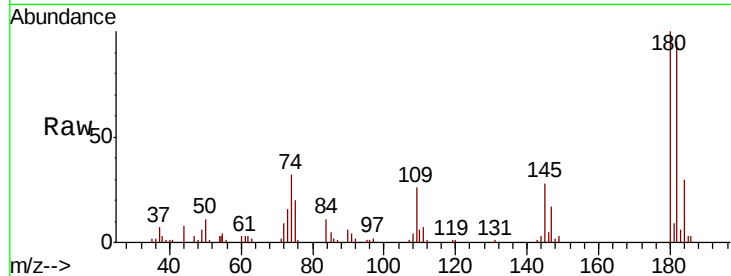




#67
 1,3,5-Trichlorobenzene
 Concen: 0.494 ug/L
 RT: 13.25 min Scan# 3704
 Delta R.T. 0.01 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

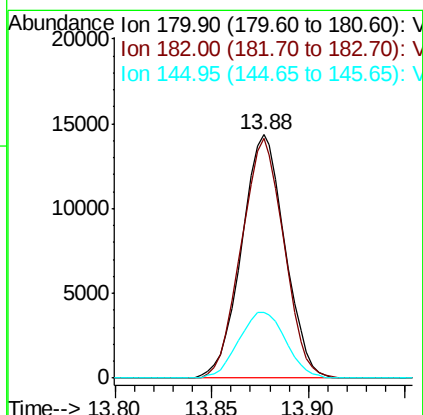
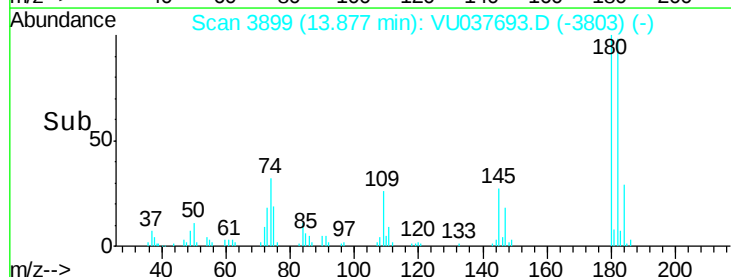
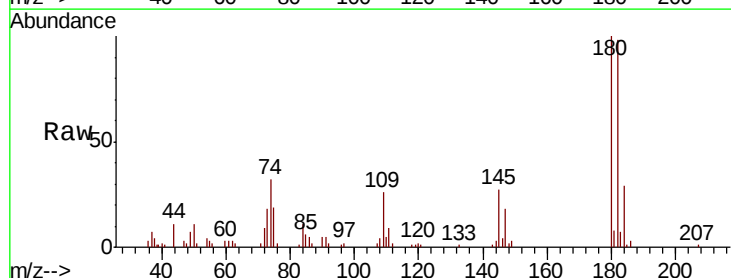
Instrument :
 MSVOA_U
 ClientSampleId :

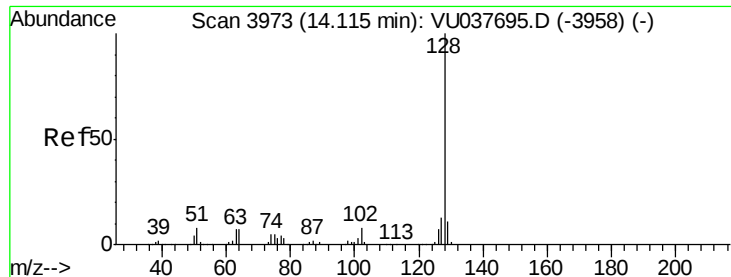
Tot Ion:180	Resp:	24172	
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.1	115.7
184	31.1	24.7	37.1
145	29.1	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.493 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037693.D
 Acq: 14 Apr 2020 11:13

Tgt	Ion:180	Resp:	22338
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.4	114.6
145	29.6	25.1	37.7





#69

Naphthalene

Concen: 0.459 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

Instrument :

MSVOA_U

ClientSampleId :

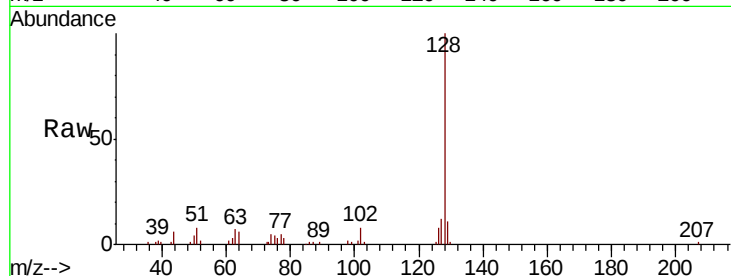
Tot Ion:128 Resp: 45468

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

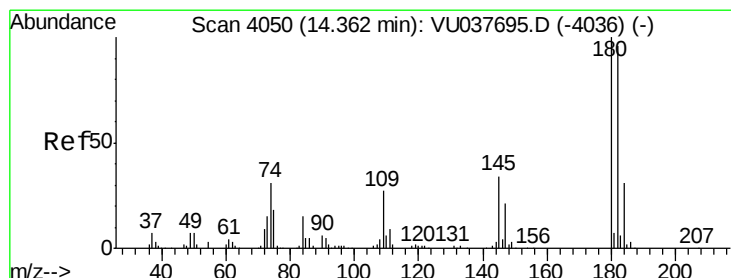
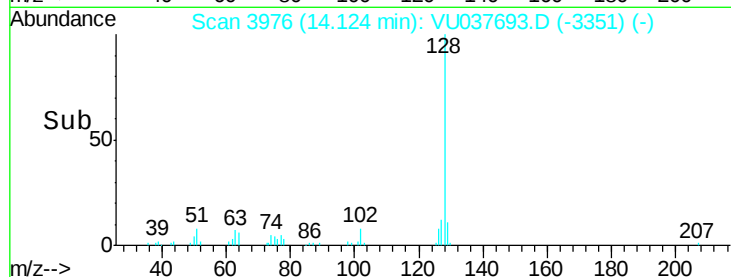
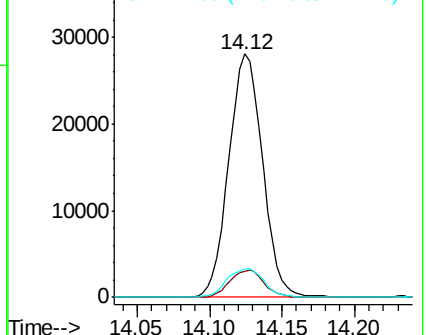
127 13.0 10.4 15.6



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: 0.475 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037693.D

Acq: 14 Apr 2020 11:13

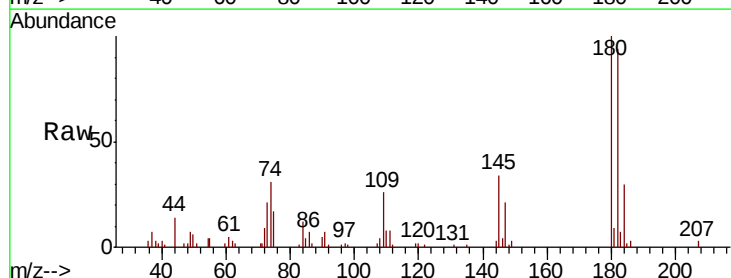
Tgt Ion:180 Resp: 19186

Ion Ratio Lower Upper

180 100

182 96.4 76.6 115.0

145 35.0 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

