

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037694.D
 Acq On : 14 Apr 2020 11:38
 Operator : JC/MD
 Sample : VSTD00106
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:03:56 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	359993	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	344752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	171560	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26574	0.89	ug/L	0.00
7) Chloroethane-d5	1.93	69	22228	0.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	46663	0.88	ug/L	0.00
20) 2-Butanone-d5	4.67	46	72446	8.89	ug/L	0.00
24) Chloroform-d	5.10	84	43243	0.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	25341	0.90	ug/L	0.00
32) Benzene-d6	5.76	84	90825	0.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	30002	0.87	ug/L	0.00
41) Toluene-d8	7.92	98	82175	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	13273	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	67708	8.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	22575	0.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	31042	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	30369	1.057	ug/L 99
3) Chloromethane	1.53	50	39854	1.295	ug/L 99
5) Vinyl chloride	1.62	62	38179	1.236	ug/L 97
6) Bromomethane	1.87	94	22508	1.473	ug/L 94
8) Chloroethane	1.95	64	23208	1.219	ug/L 97
9) Trichlorofluoromethane	2.16	101	41624	0.971	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	23105	0.943	ug/L 98
12) 1,1-Dichloroethene	2.60	96	25155	1.050	ug/L 96
13) Acetone	2.66	43	52456	11.152	ug/L 99
14) Carbon disulfide	2.82	76	93881	1.163	ug/L 99
15) Methyl Acetate	2.98	43	14651	1.052	ug/L 99
16) Methylene chloride	3.08	84	29617	1.057	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	77462	1.139	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	27559	1.055	ug/L 95
19) 1,1-Dichloroethane	3.91	63	55346	1.123	ug/L 99
21) 2-Butanone	4.75	43	93180	11.186	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	30614	1.077	ug/L 93
23) Bromochloromethane	5.01	128	13363	1.082	ug/L 97
25) Chloroform	5.12	83	51817	1.035	ug/L 98
27) 1,2-Dichloroethane	5.83	62	35364	1.093	ug/L 98
29) 1,1,1-Trichloroethane	5.36	97	43165	0.981	ug/L 99
30) Cyclohexane	5.42	56	51399	1.040	ug/L 98
31) Carbon tetrachloride	5.56	117	33279	0.937	ug/L 98
33) Benzene	5.81	78	120017	1.086	ug/L 100
34) Trichloroethene	6.57	95	29178	1.008	ug/L 97
35) Methylcyclohexane	6.79	83	46911	0.961	ug/L 98
37) 1,2-Dichloropropane	6.82	63	31831	1.072	ug/L 99
38) Bromodichloromethane	7.13	83	37191	0.988	ug/L 98
39) cis-1,3-Dichloropropene	7.63	75	49325	1.073	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	230431	10.975	ug/L 99

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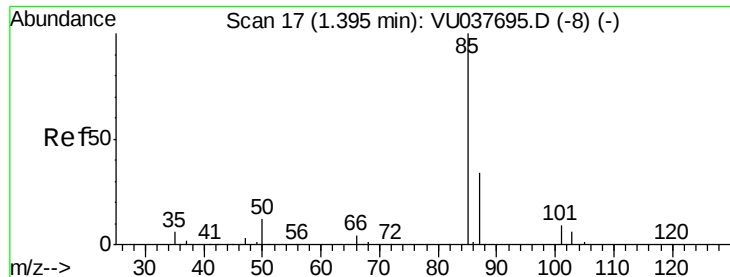
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:03:56 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	7.99	91	123901	1.056	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	42928	1.076	ug/L	94
45) 1,1,2-Trichloroethane	8.42	97	22065	1.070	ug/L	96
47) Tetrachloroethene	8.57	164	20335	1.067	ug/L	93
48) 2-Hexanone	8.71	43	167436	11.042	ug/L	99
49) Dibromochloromethane	8.83	129	24021	0.984	ug/L	100
50) 1,2-Dibromoethane	8.95	107	20714	1.034	ug/L #	93
51) Chlorobenzene	9.47	112	74803	1.035	ug/L	98
52) Ethylbenzene	9.59	91	135565	1.019	ug/L	100
53) m,p-Xylene	9.71	106	51160	1.021	ug/L	98
54) o-Xylene	10.12	106	51240	1.062	ug/L	97
55) Styrene	10.13	104	87188	1.046	ug/L	100
56) Isopropylbenzene	10.50	105	133031	1.012	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	27243	0.984	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	20999	1.080	ug/L	97
61) Bromoform	10.31	173	13849	0.983	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	58510	1.025	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	59197	1.020	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	55550	1.016	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	5136	0.985	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	41209	0.990	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	38195	0.991	ug/L	98
69) Naphthalene	14.12	128	80222	0.951	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	34985	1.018	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.057 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

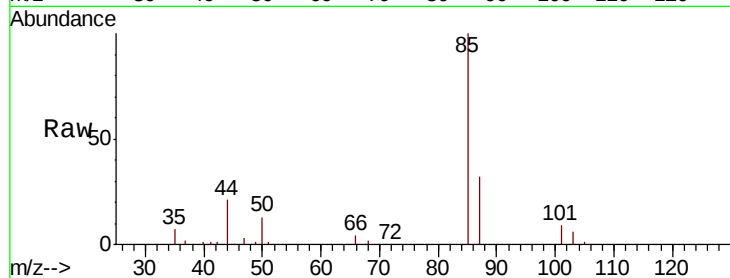
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 30369

Ion Ratio Lower Upper

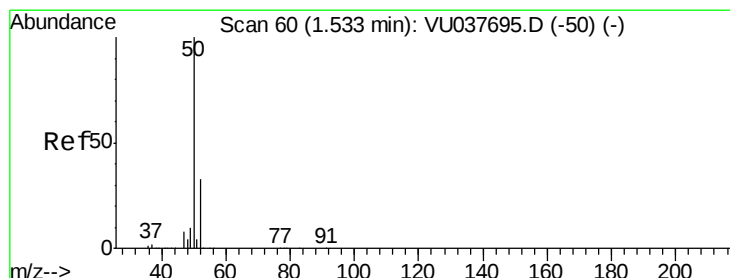
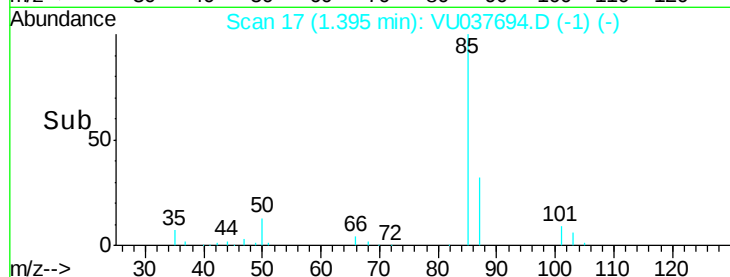
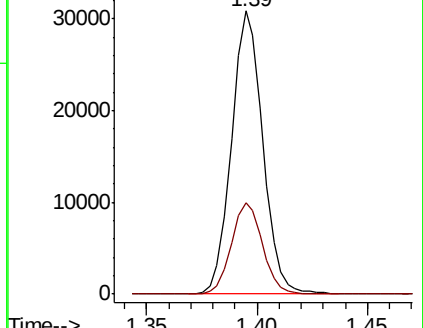
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037694.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037694.D (-8) (-)



#3

Chloromethane

Concen: 1.295 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037694.D

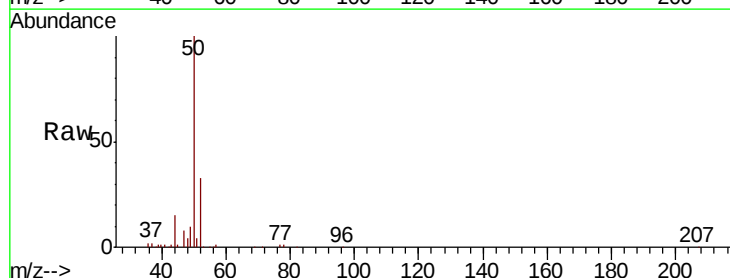
Acq: 14 Apr 2020 11:38

Tgt Ion: 50 Resp: 39854

Ion Ratio Lower Upper

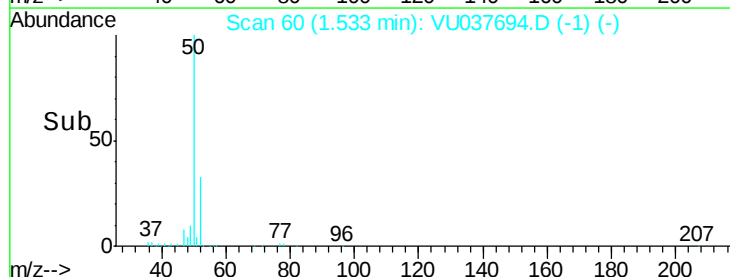
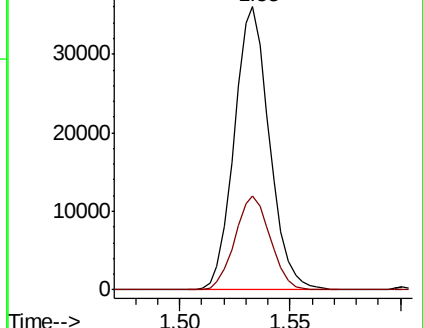
50 100

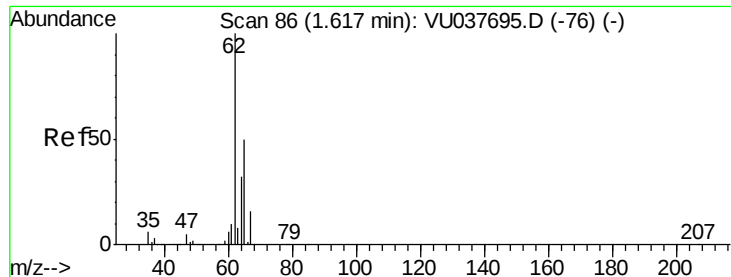
52 33.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037694.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037694.D (-50) (-)





#5

Vinyl chloride

Concen: 1.236 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

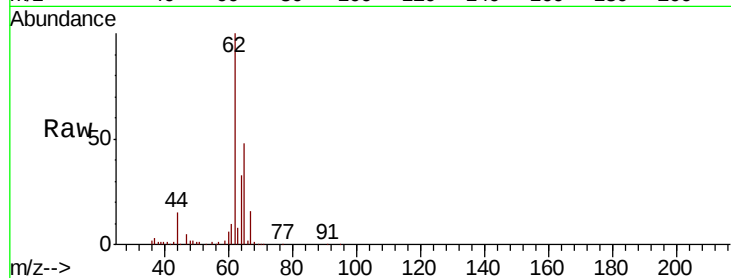
ClientSampleId :

Tot Ion: 62 Resp: 38179

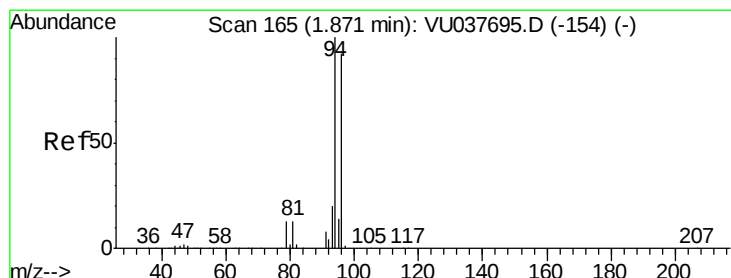
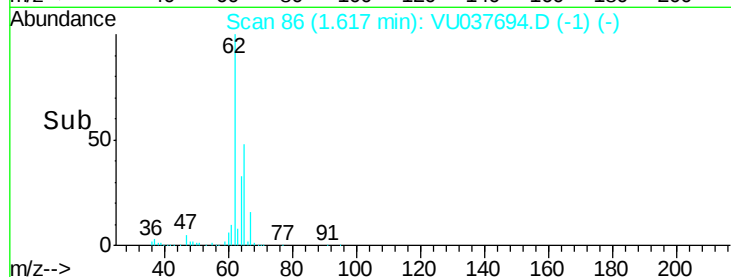
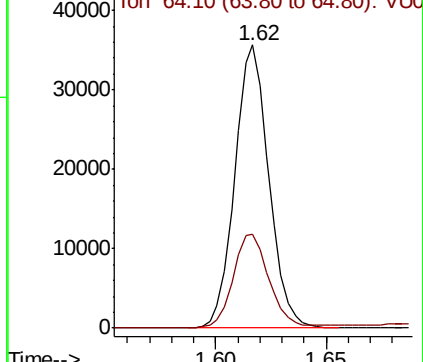
Ion Ratio Lower Upper

62 100

64 33.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037694.D (-76) (-)



#6

Bromomethane

Concen: 1.473 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037694.D

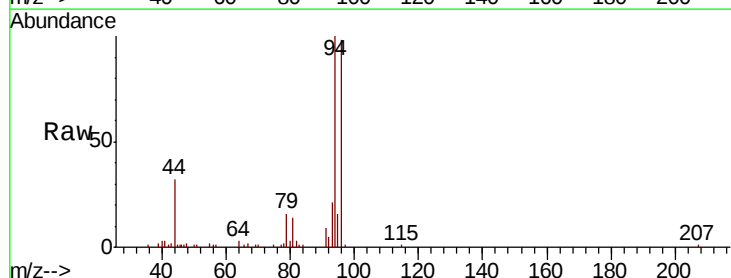
Acq: 14 Apr 2020 11:38

Tgt Ion: 94 Resp: 22508

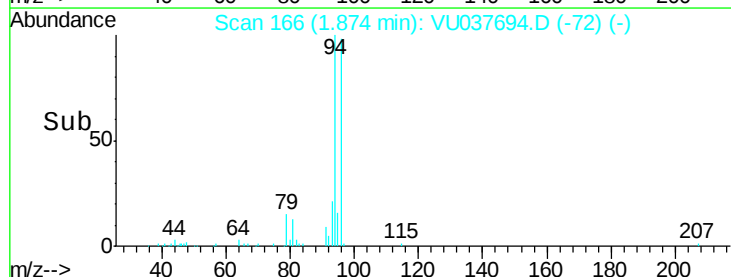
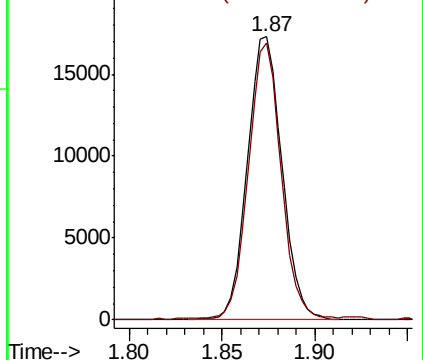
Ion Ratio Lower Upper

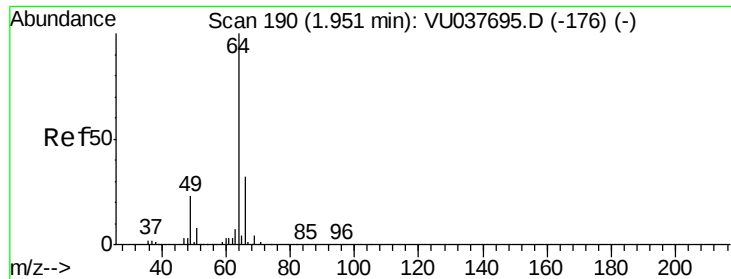
94 100

96 97.7 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037694.D (-154) (-)

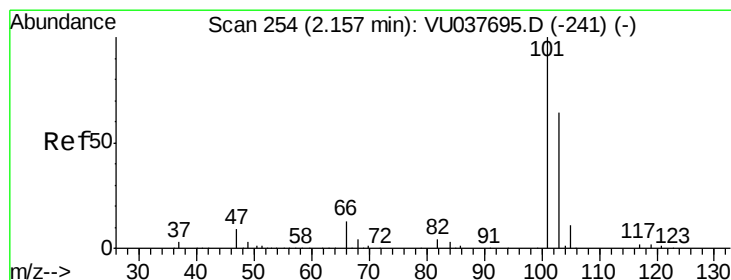
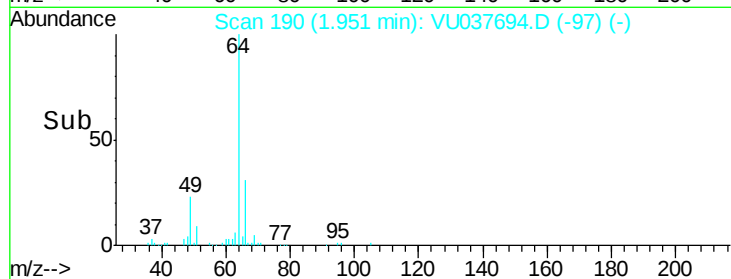
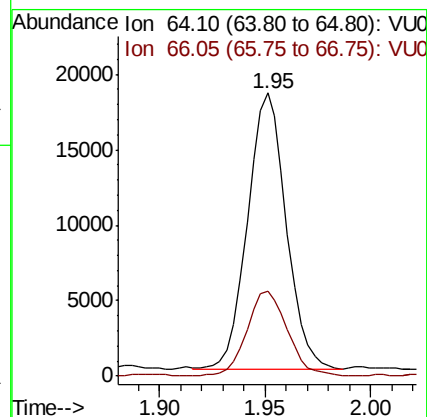
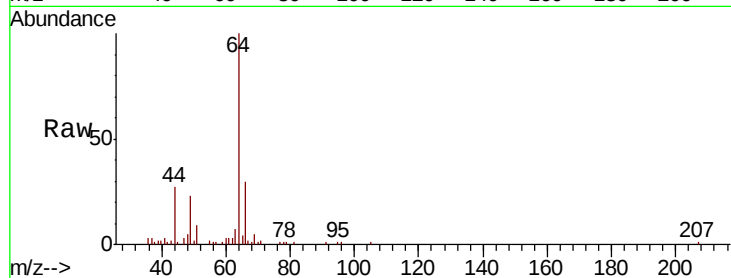




#8
Chloroethane
Concen: 1.219 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

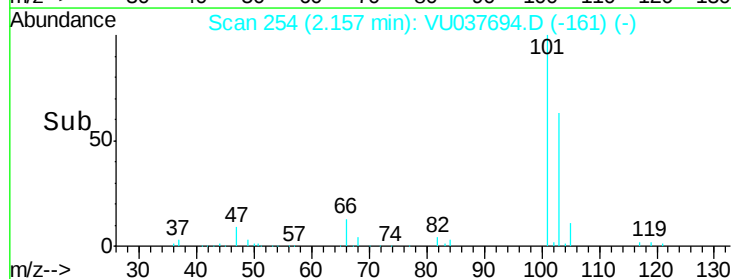
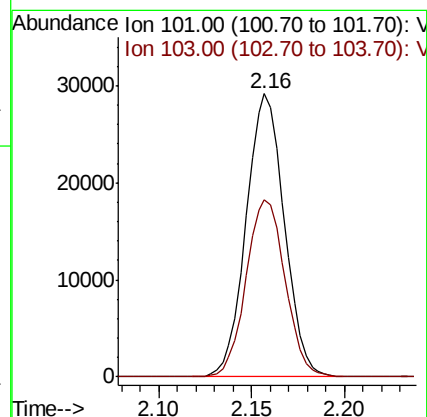
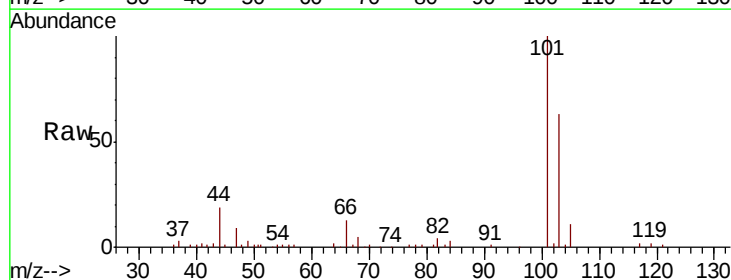
Instrument :
MSVOA_U
ClientSampleId :

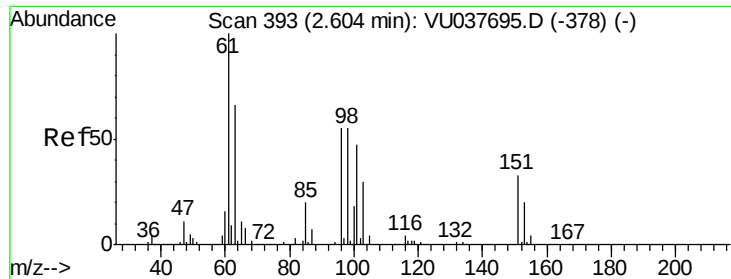
Tot Ion: 64 Resp: 23208
Ion Ratio Lower Upper
64 100
66 30.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.971 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion:101 Resp: 41624
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.6





#10

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

Concen: 0.943 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

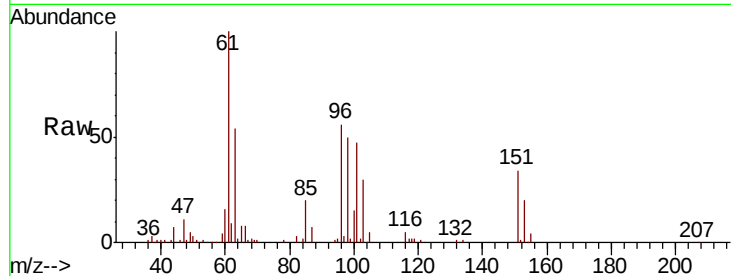
Tot Ion:101 Resp: 23105

Ion Ratio Lower Upper

101 100

85 46.4 34.5 51.7

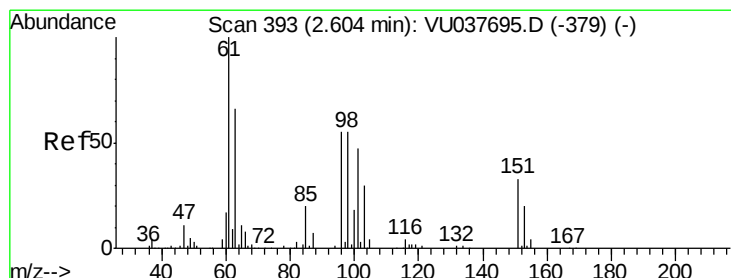
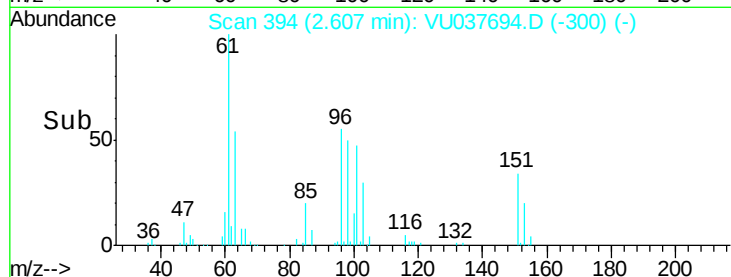
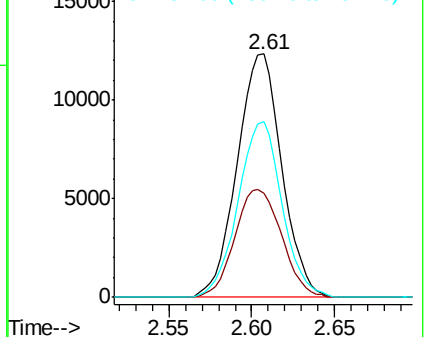
151 71.3 56.9 85.3



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: 1.050 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

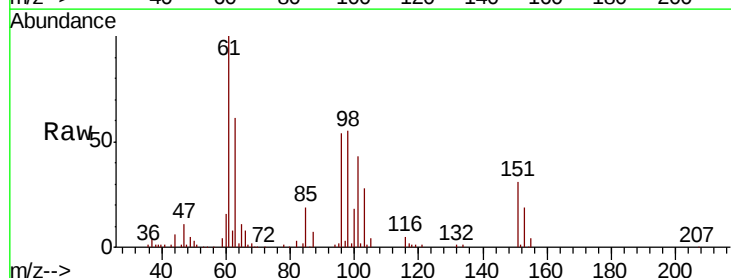
Tgt Ion: 96 Resp: 25155

Ion Ratio Lower Upper

96 100

61 185.2 127.7 237.3

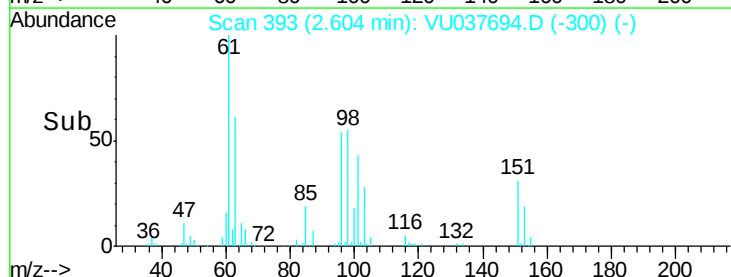
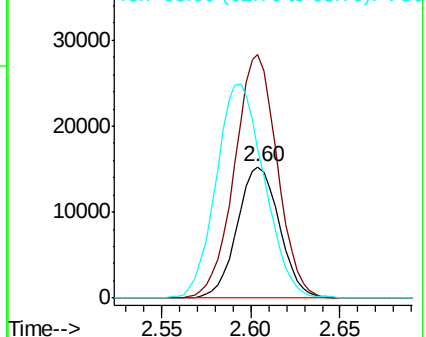
63 113.5 85.0 157.8

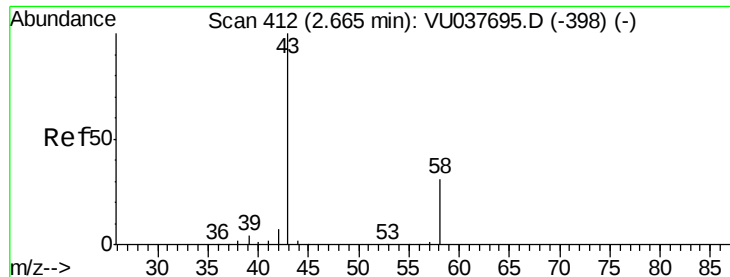


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.152 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

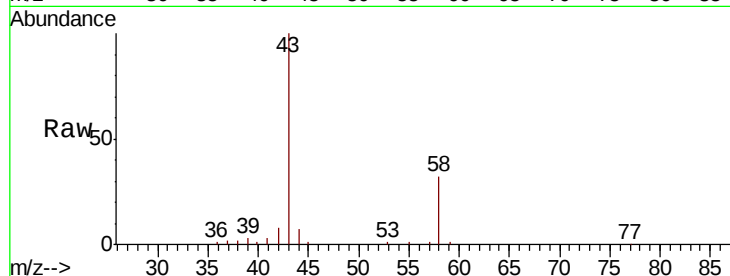
ClientSampleId :

Tot Ion: 43 Resp: 52456

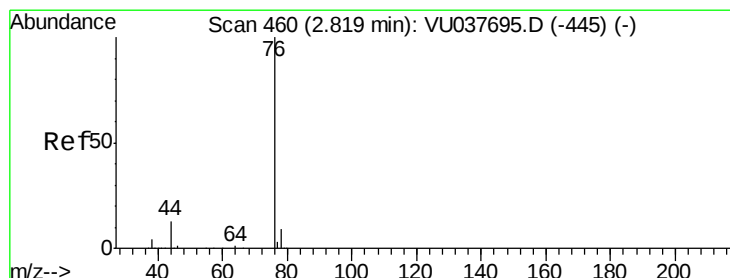
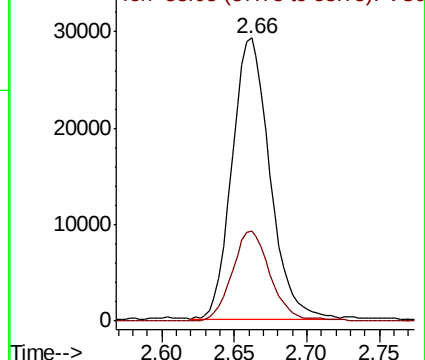
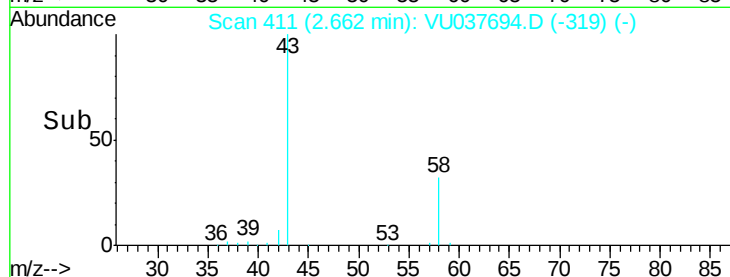
Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037694.D (-319) (-)



#14

Carbon disulfide

Concen: 1.163 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037694.D

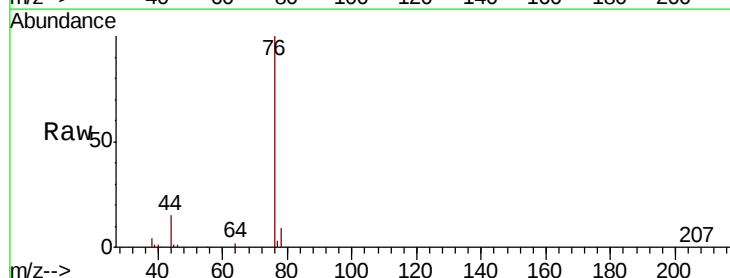
Acq: 14 Apr 2020 11:38

Tgt Ion: 76 Resp: 93881

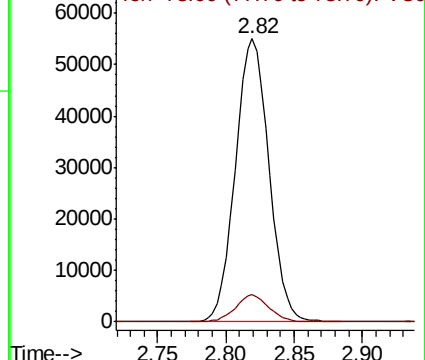
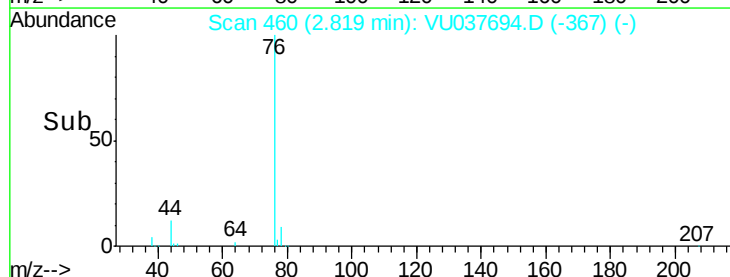
Ion Ratio Lower Upper

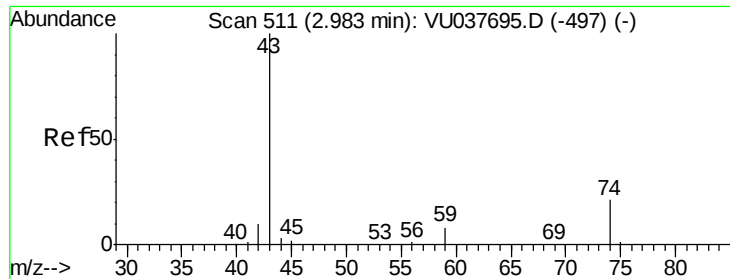
76 100

78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037694.D (-367) (-)

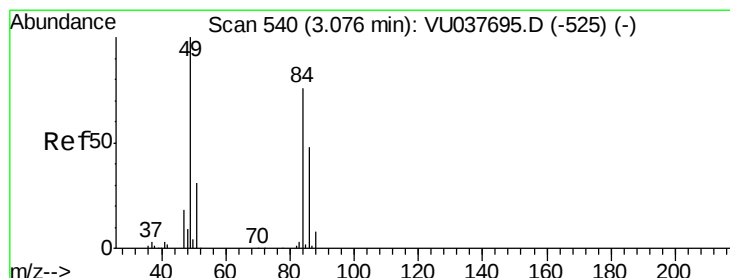
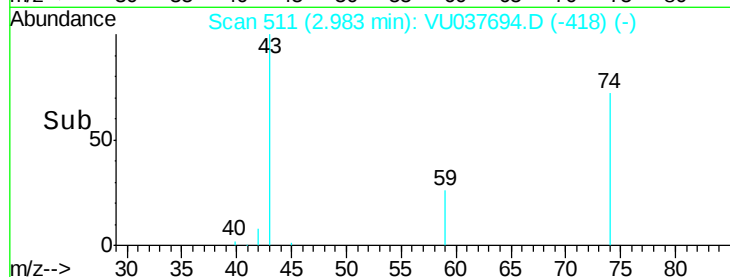
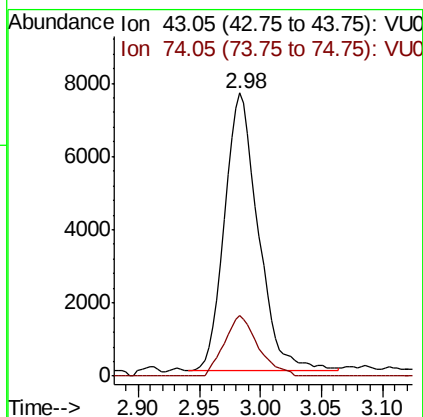
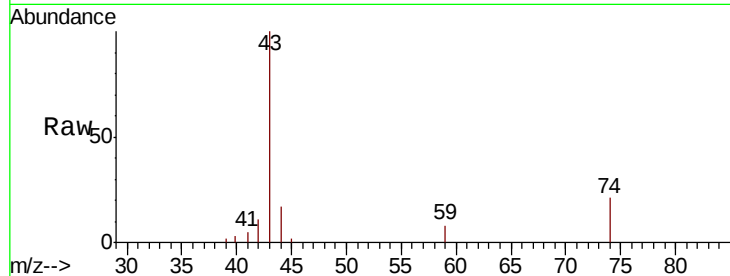




#15
Methvl Acetate
Concen: 1.052 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

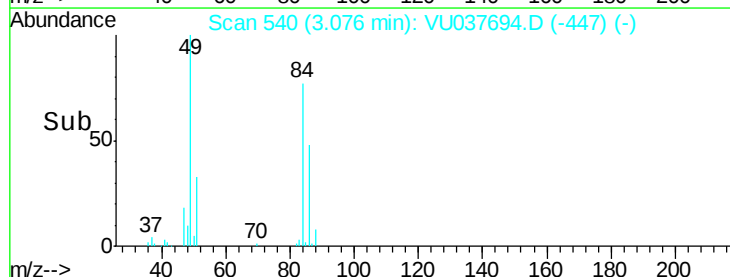
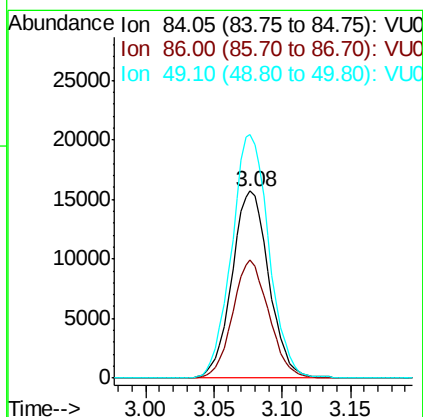
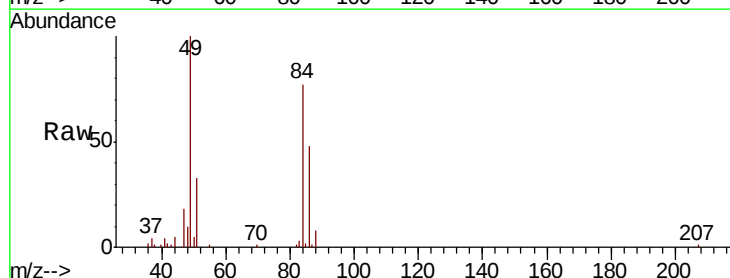
Instrument :
MSVOA_U
ClientSampleId :

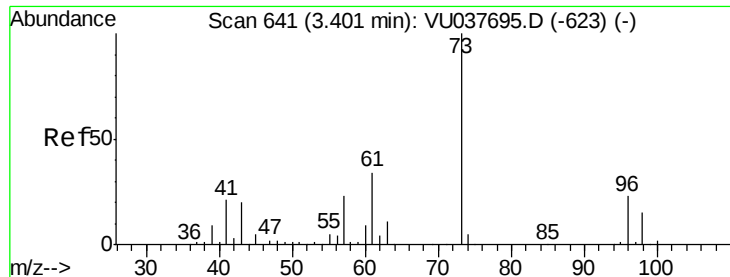
Tot Ion: 43 Resp: 14651
Ion Ratio Lower Upper
43 100
74 21.8 17.2 25.8



#16
Methylene chloride
Concen: 1.057 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion: 84 Resp: 29617
Ion Ratio Lower Upper
84 100
86 62.8 44.2 82.0
49 130.1 92.4 171.6

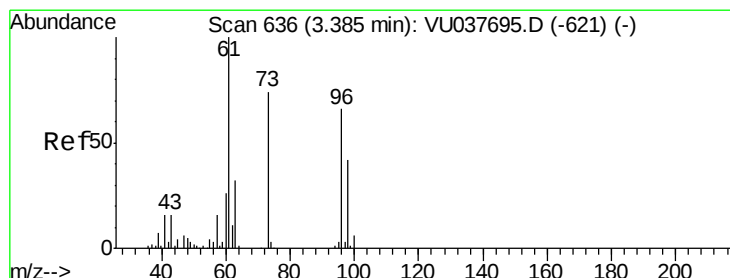
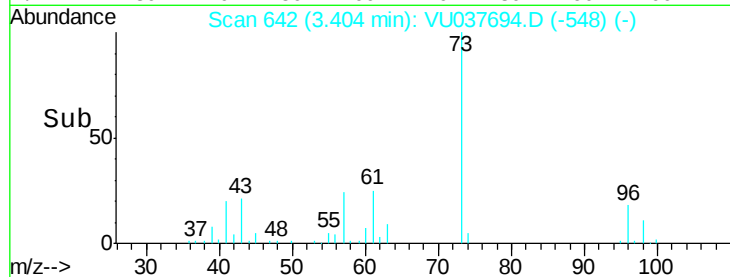
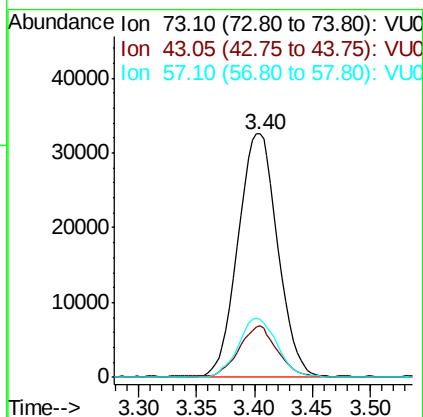
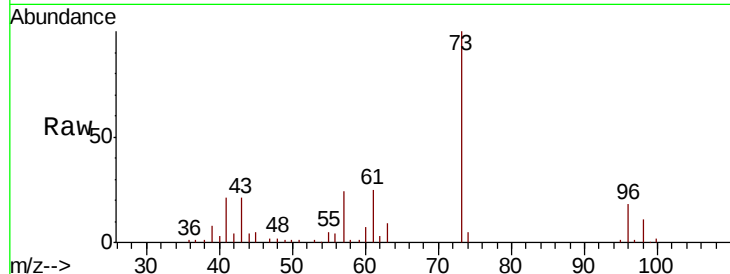




#17
Methvl tert-butvl Ether
Concen: 1.139 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

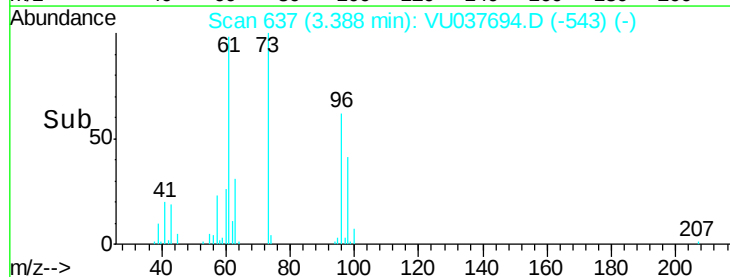
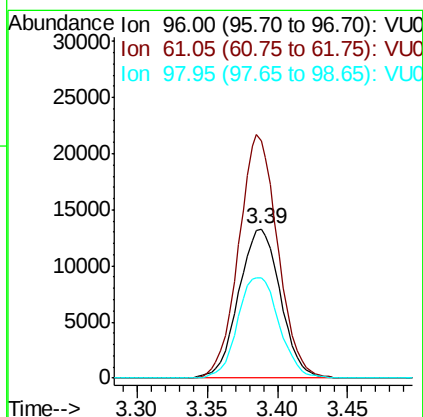
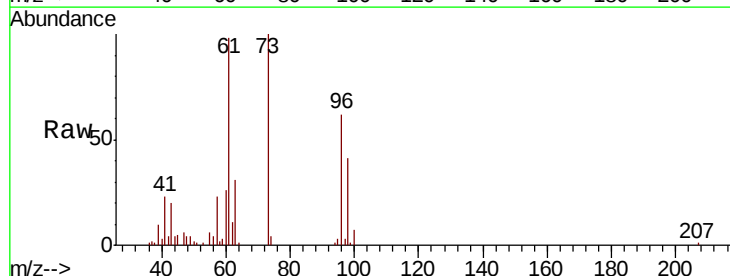
Instrument :
MSVOA_U
ClientSampleId :

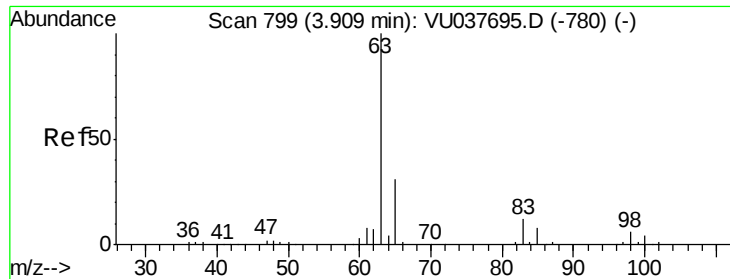
Tot Ion: 73 Resp: 77462
Ion Ratio Lower Upper
73 100
43 20.6 16.4 24.6
57 23.7 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 1.055 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion: 96 Resp: 27559
Ion Ratio Lower Upper
96 100
61 158.4 106.7 198.3
98 66.9 44.3 82.3





#19

1,1-Dichloroethane

Concen: 1.123 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

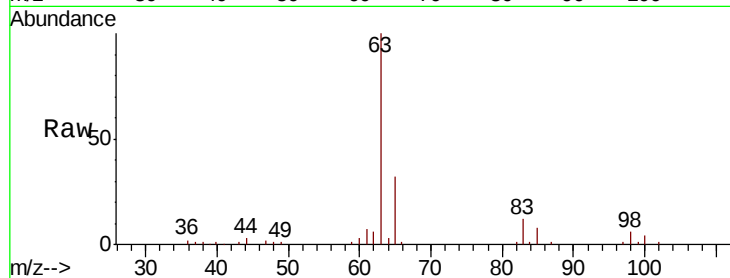
Tot Ion: 63 Resp: 55346

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.2

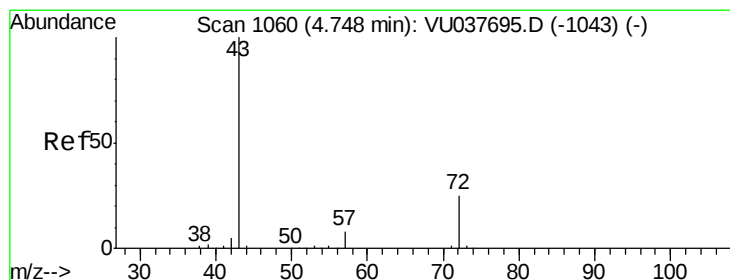
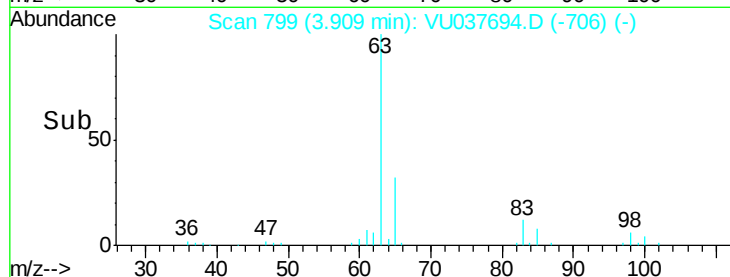
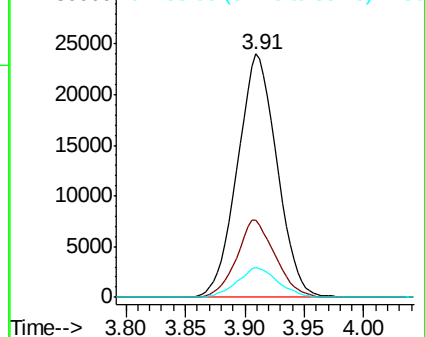
83 12.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037694.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU037694.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU037694.D (-780) (-)



#21

2-Butanone

Concen: 11.186 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU037694.D

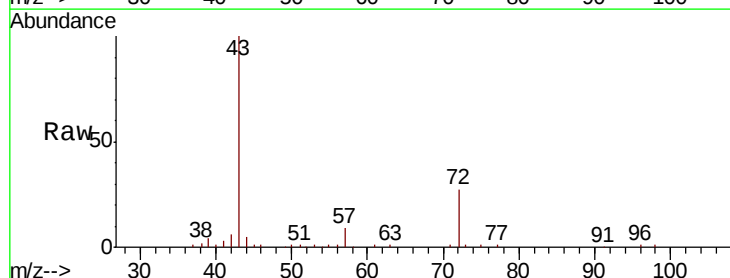
Acq: 14 Apr 2020 11:38

Tgt Ion: 43 Resp: 93180

Ion Ratio Lower Upper

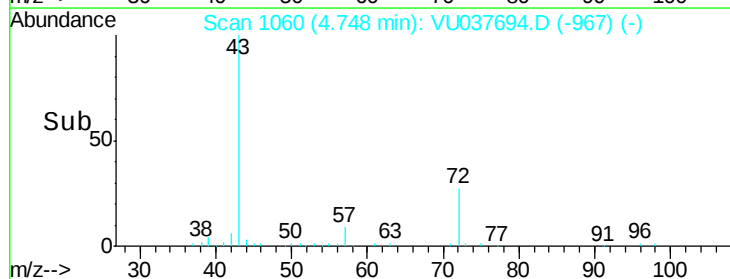
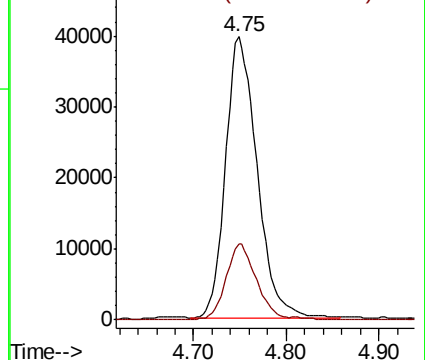
43 100

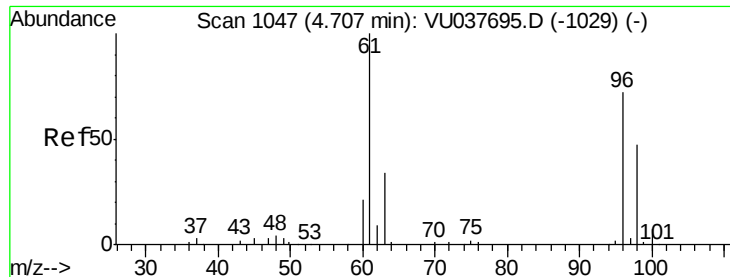
72 26.0 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037694.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU037694.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.077 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

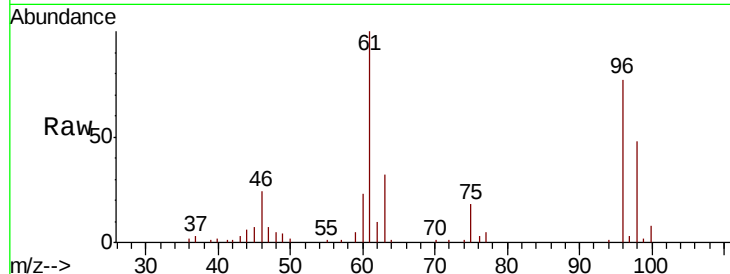
Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 30614

Ion	Ratio	Lower	Upper
96	100		
61	129.6	97.0	180.2
68	0.0	0.0	0.0

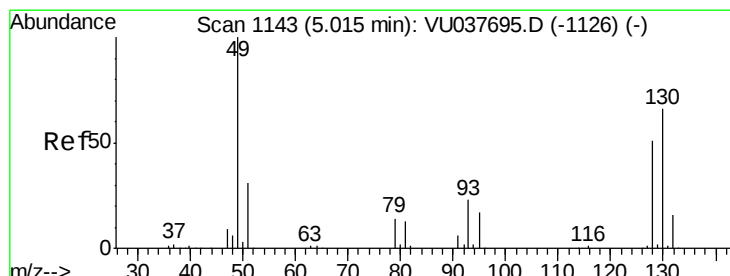
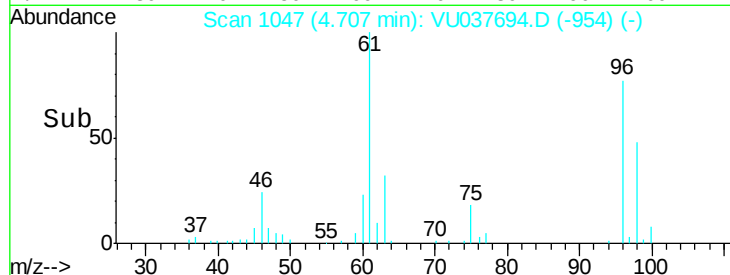
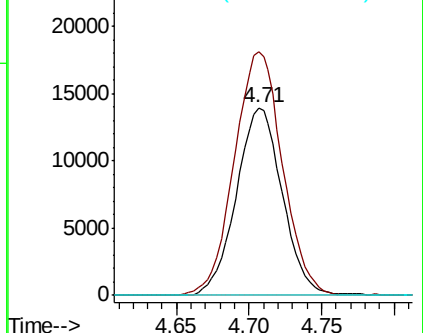


Abundance

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: 1.082 ug/L

RT: 5.01 min Scan# 1142

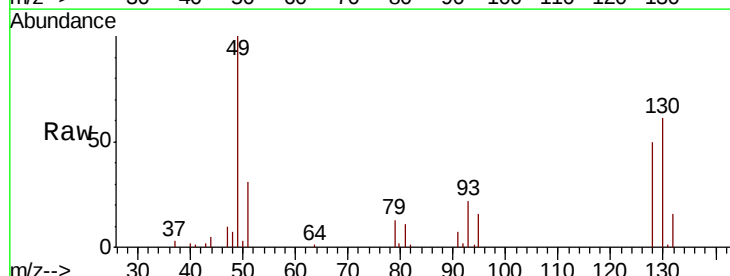
Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Tgt Ion: 128 Resp: 13363

Ion	Ratio	Lower	Upper
128	100		
49	200.7	138.6	257.4
130	122.3	91.3	169.5
51	62.4	49.3	73.9



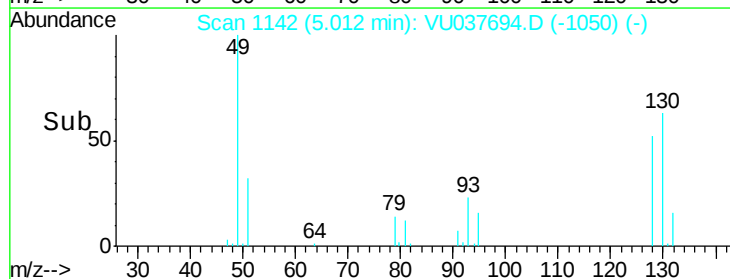
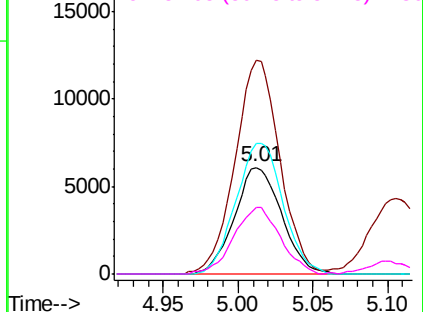
Abundance

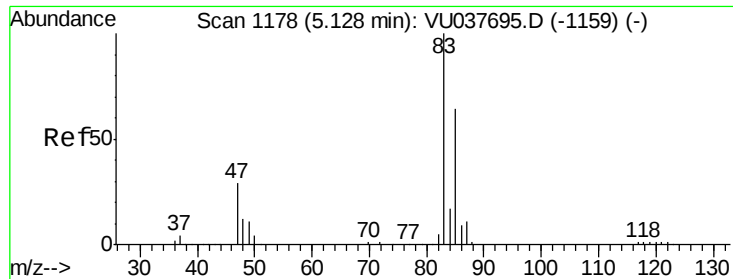
Ion 127.90 (127.60 to 128.60): V

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

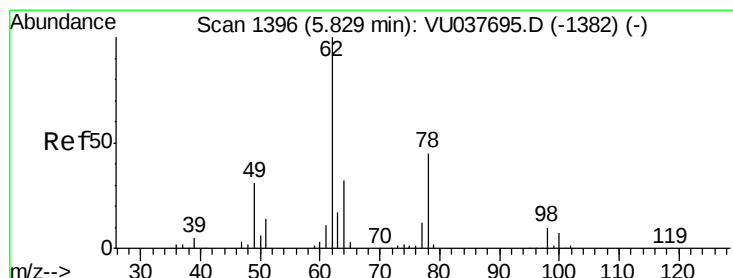
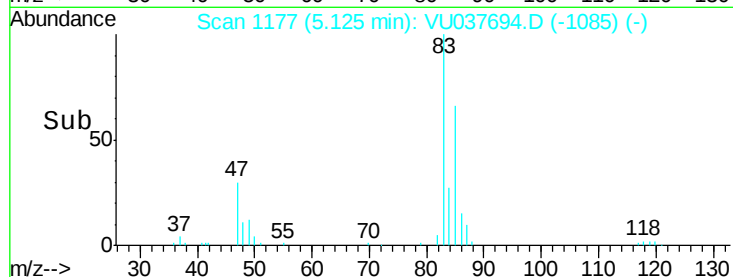
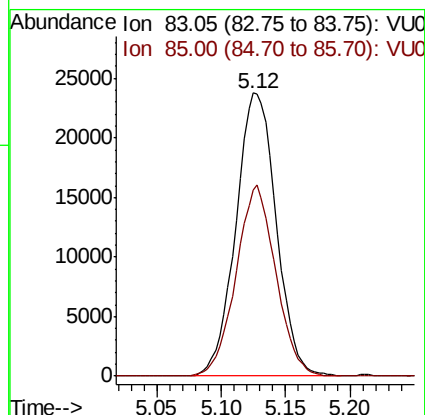
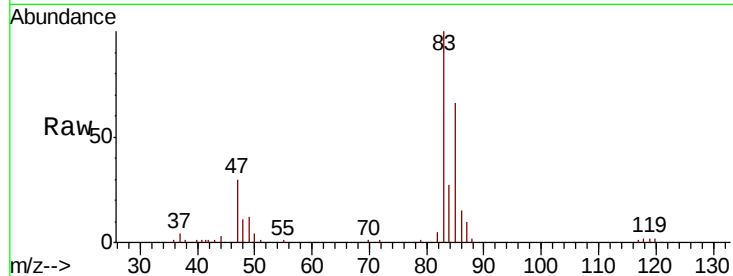




#25
Chloroform
Concen: 1.035 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

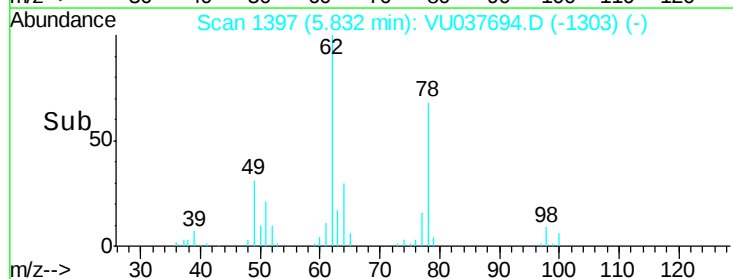
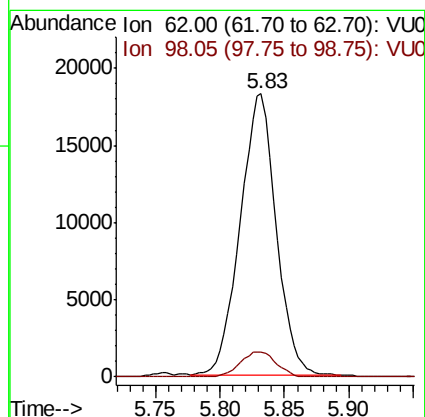
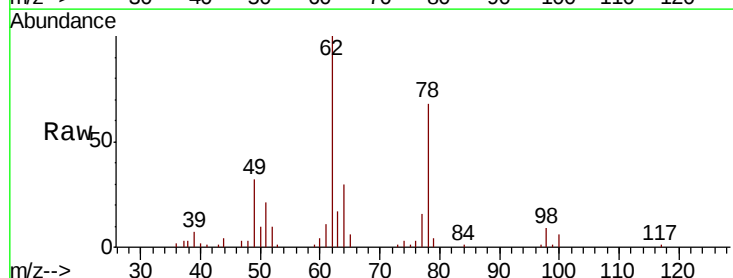
Instrument :
MSVOA_U
ClientSampleId :

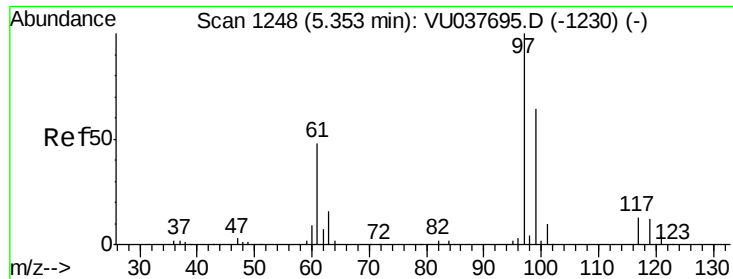
Tot Ion: 83 Resp: 51817
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 1.093 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion: 62 Resp: 35364
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

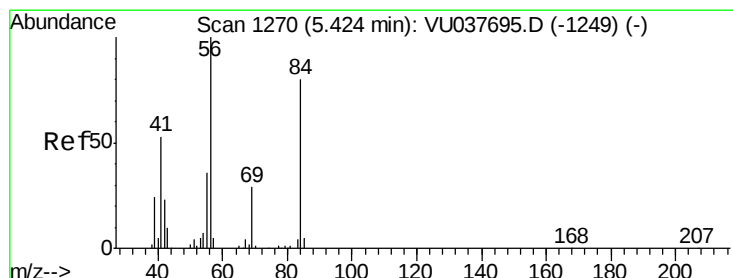
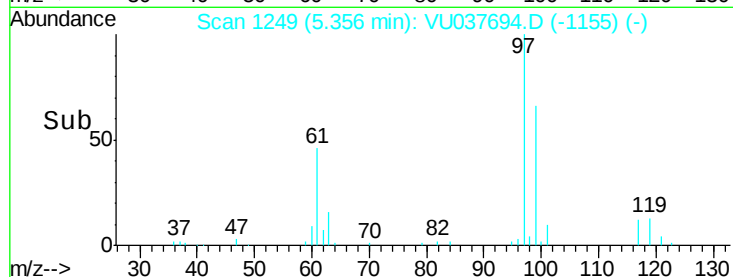
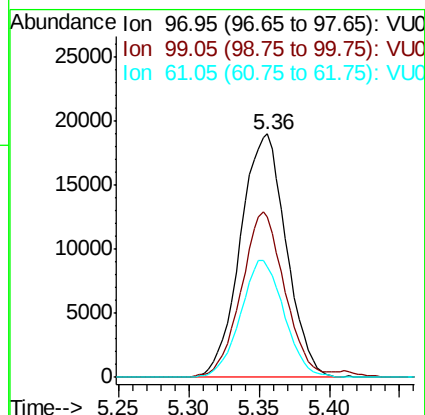
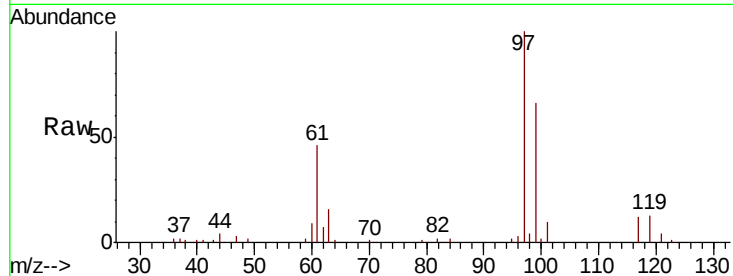




#29
 1,1,1-Trichloroethane
 Concen: 0.981 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

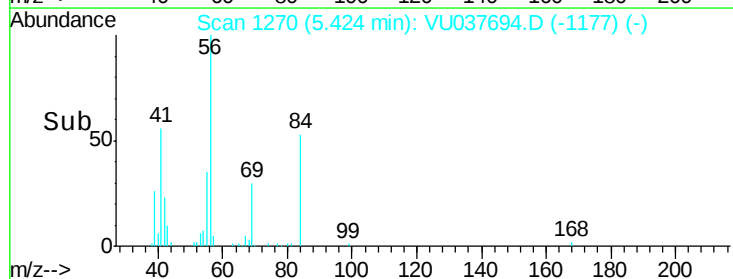
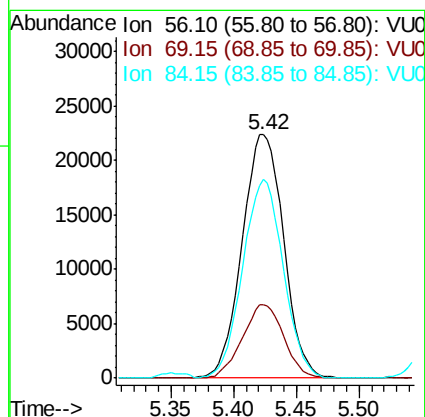
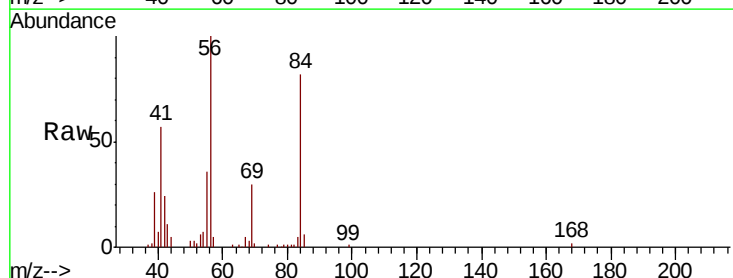
Instrument :
 MSVOA_U
 ClientSampled :

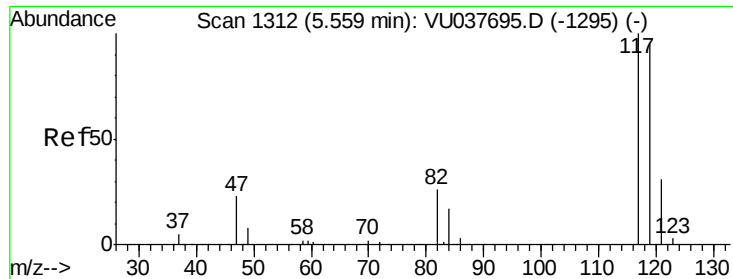
Tot Ion: 97 Resp: 43165
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 45.8 37.8 56.8



#30
 Cyclohexane
 Concen: 1.040 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Tgt Ion: 56 Resp: 51399
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.9 35.9
 84 79.9 65.6 98.4

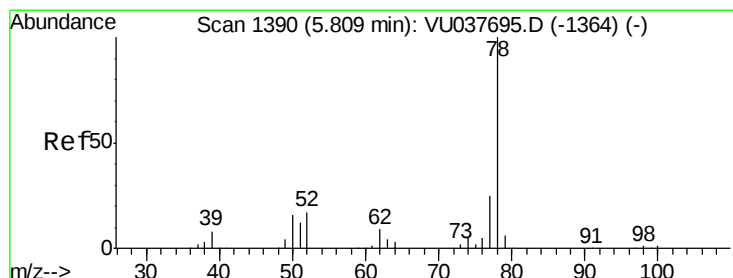
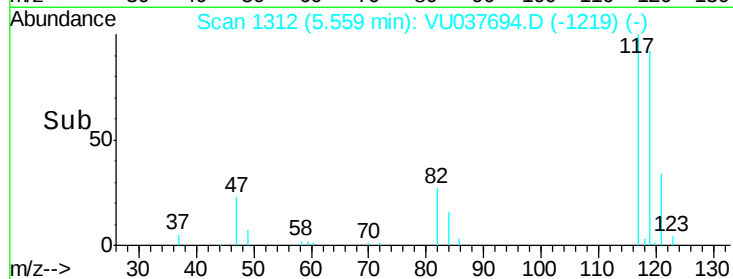
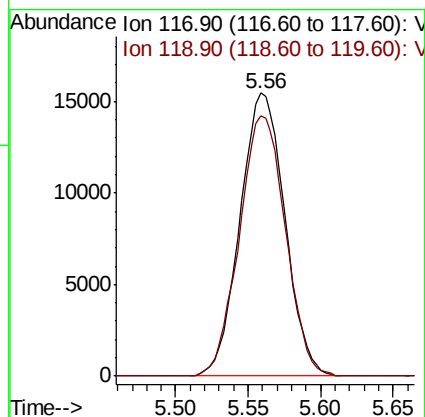
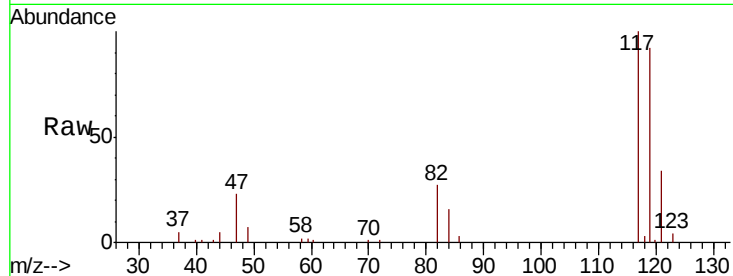




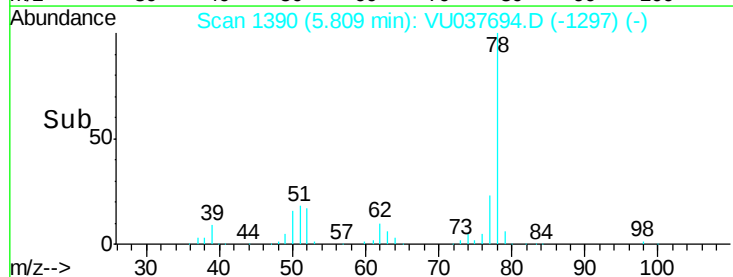
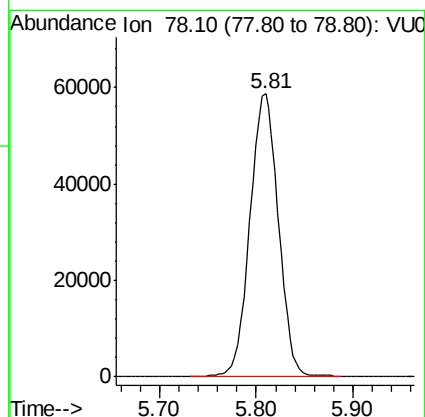
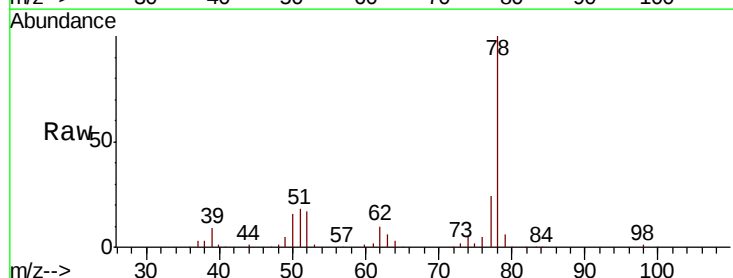
#31
Carbon tetrachloride
Concen: 0.937 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

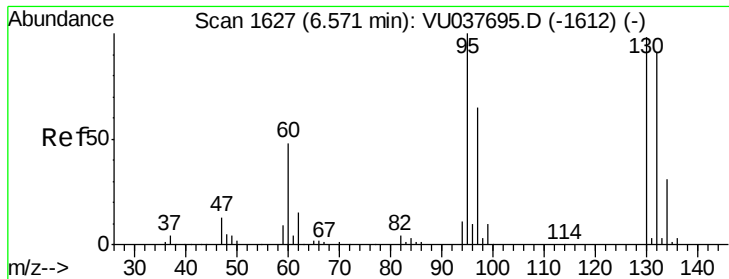
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 33279
Ion Ratio Lower Upper
117 100
119 94.4 77.4 116.0



#33
Benzene
Concen: 1.086 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38
Tgt Ion: 78 Resp: 120017

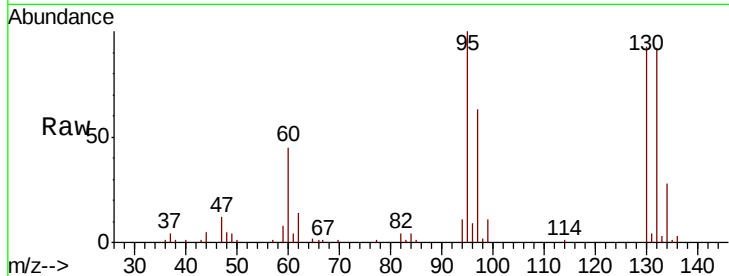




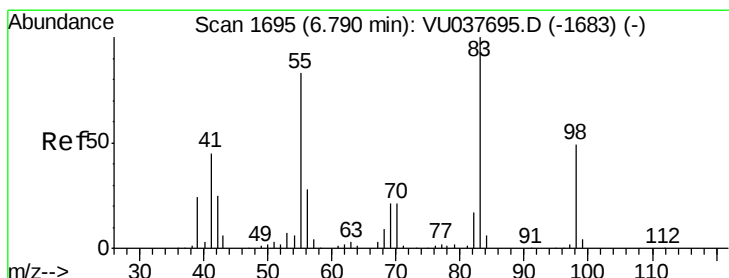
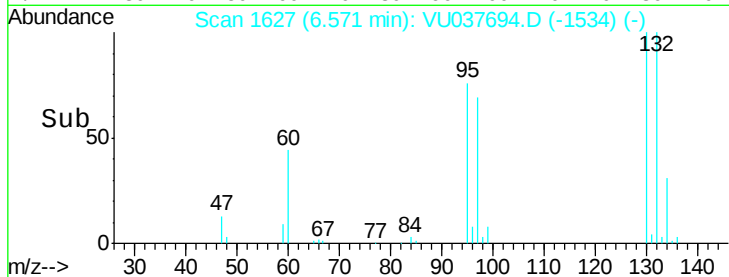
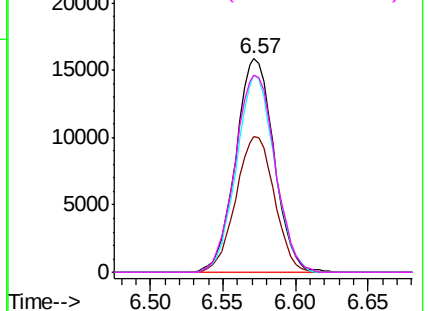
#34
 Trichloroethene
 Concen: 1.008 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 29178
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.4 84.2
 132 92.4 63.7 118.3
 130 92.5 68.7 127.5

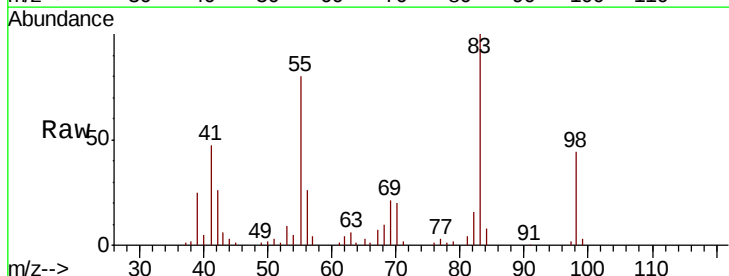


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

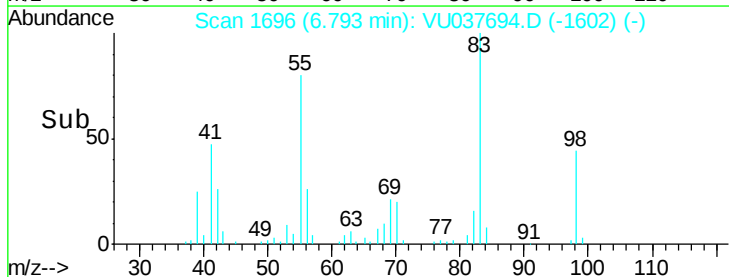
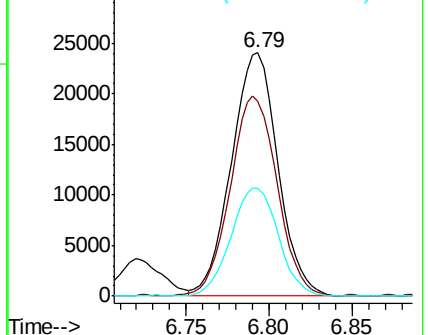


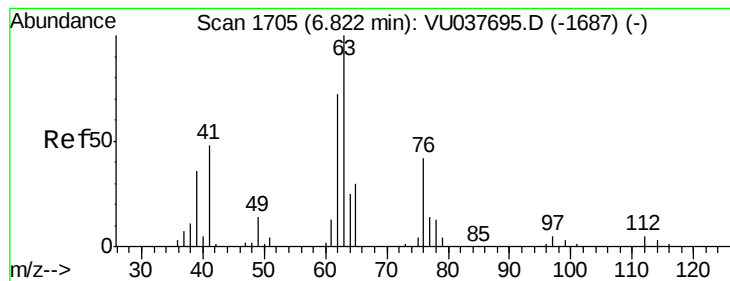
#35
 Methylcyclohexane
 Concen: 0.961 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Tgt Ion: 83 Resp: 46911
 Ion Ratio Lower Upper
 83 100
 55 82.9 65.5 98.3
 98 45.3 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: 1.072 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

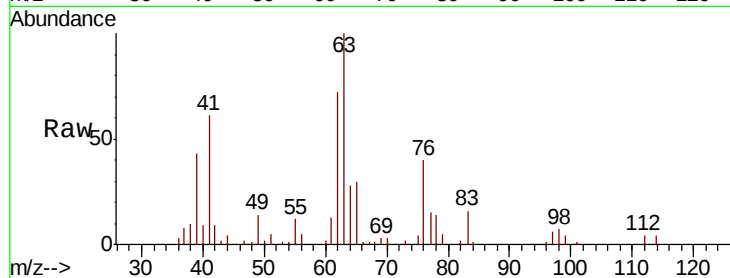
ClientSampled :

Tot Ion: 63 Resp: 31831

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037694.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037694.D (-1612) (-)

6.82

15000

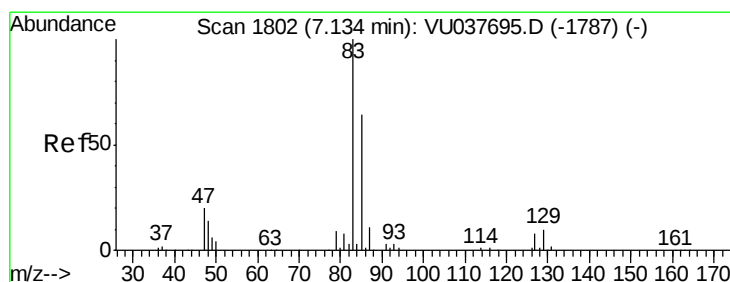
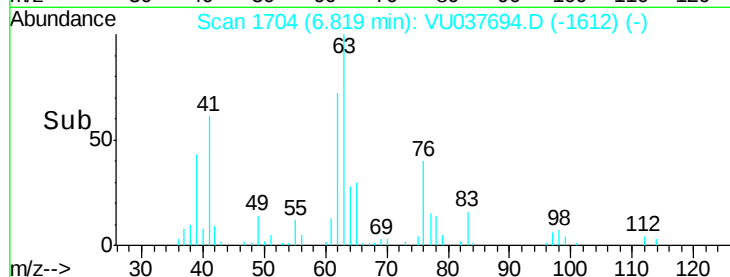
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 0.988 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

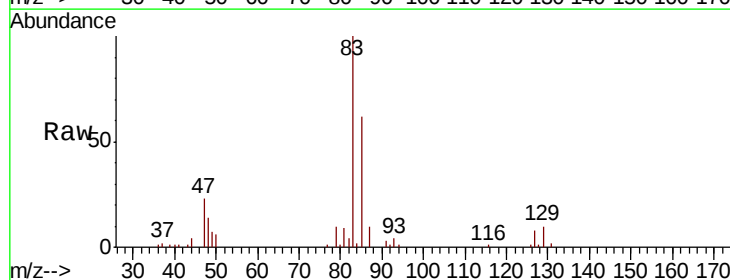
Tgt Ion: 83 Resp: 37191

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

127 7.6 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037694.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037694.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037694.D (-1709) (-)

7.13

25000

20000

15000

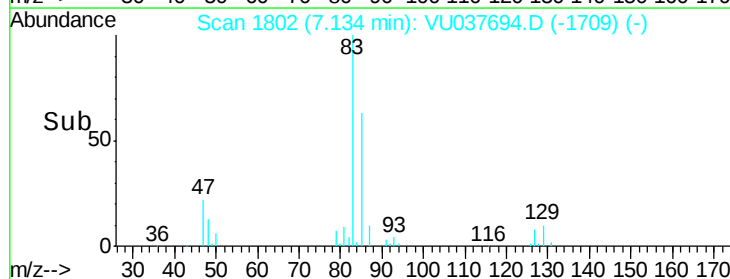
10000

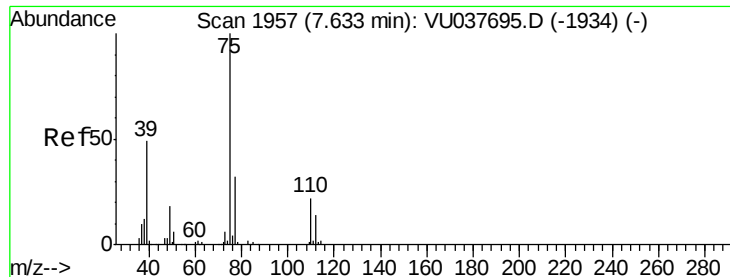
5000

0

7.05 7.10 7.15 7.20

Time-->



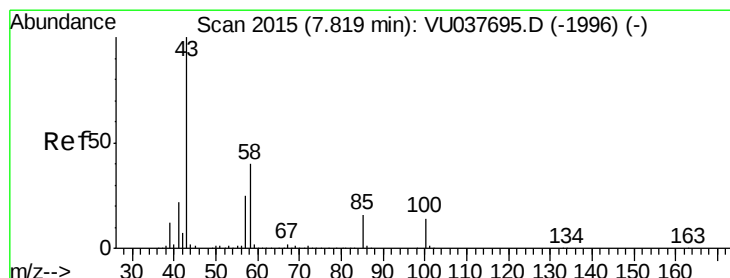
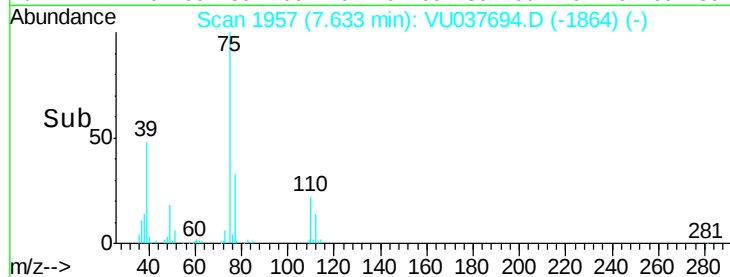
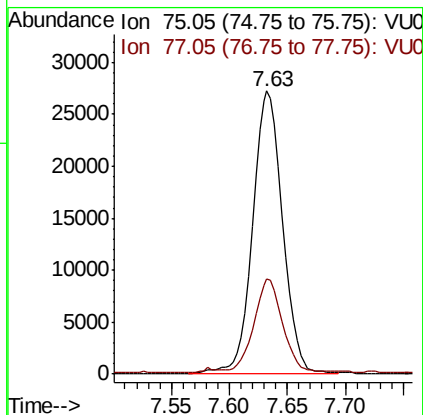
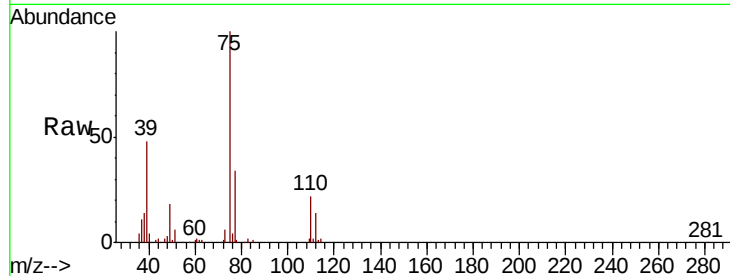


#39

cis-1,3-Dichloropropene
 Concen: 1.073 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Instrument :
 MSVOA_U
 ClientSampled :

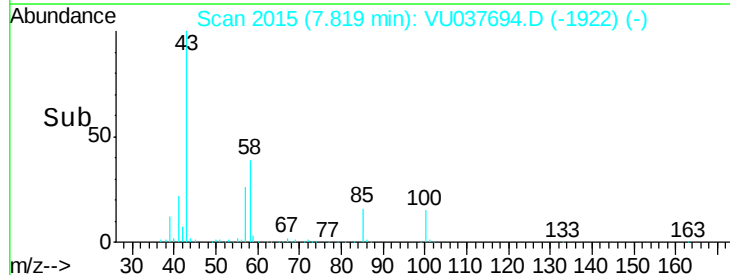
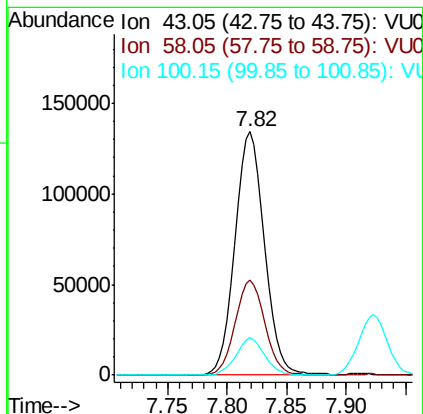
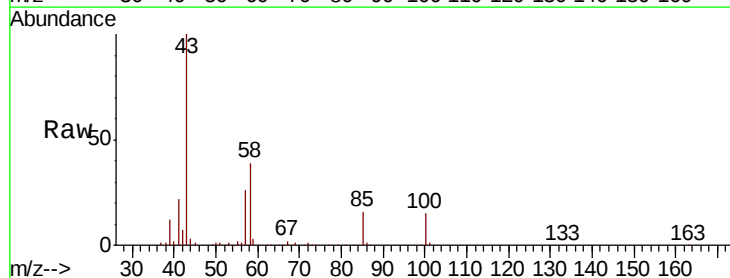
Tot Ion: 75 Resp: 49325
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.2 41.2

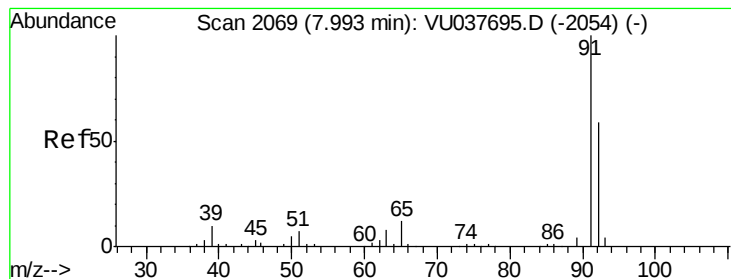


#40

4-Methyl-2-pentanone
 Concen: 10.975 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Tgt Ion: 43 Resp: 230431
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.3 46.9
 100 14.9 11.5 17.3





#42

Toluene

Concen: 1.056 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

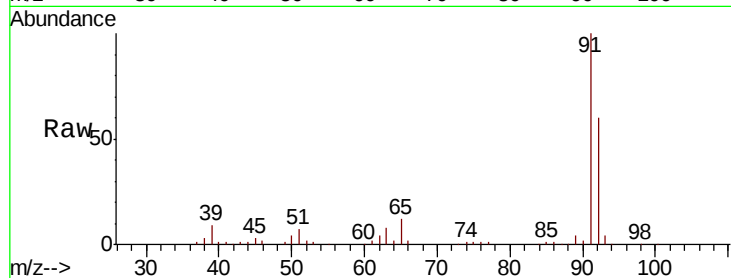
ClientSampled :

Tot Ion: 91 Resp: 123901

Ion Ratio Lower Upper

91 100

92 59.9 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037695.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037695.D (-2054) (-)

7.99

80000

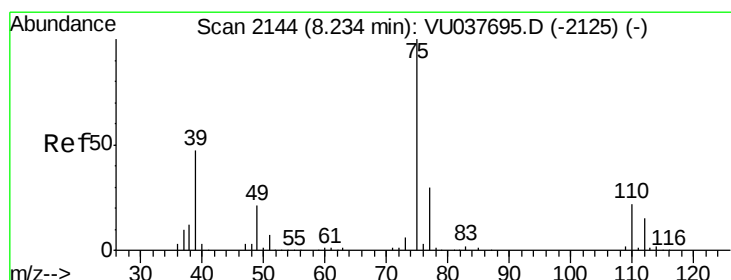
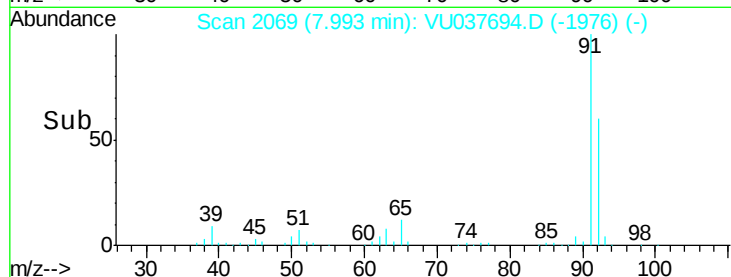
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.076 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037694.D

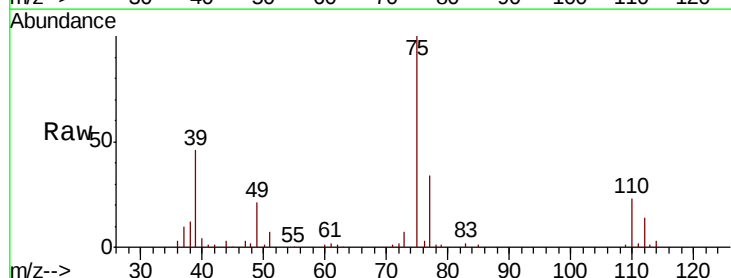
Acq: 14 Apr 2020 11:38

Tgt Ion: 75 Resp: 42928

Ion Ratio Lower Upper

75 100

77 33.9 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037695.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU037695.D (-2125) (-)

8.23

30000

25000

20000

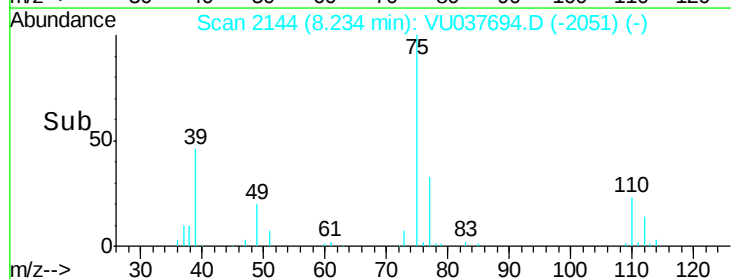
15000

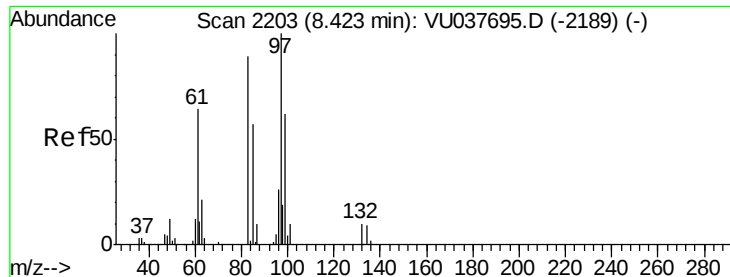
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 1.070 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 22065

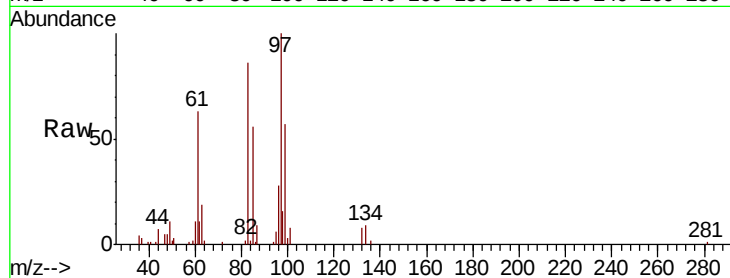
Ion Ratio Lower Upper

97 100

99 57.4 43.1 80.1

83 85.5 62.4 116.0

85 55.6 39.6 73.6

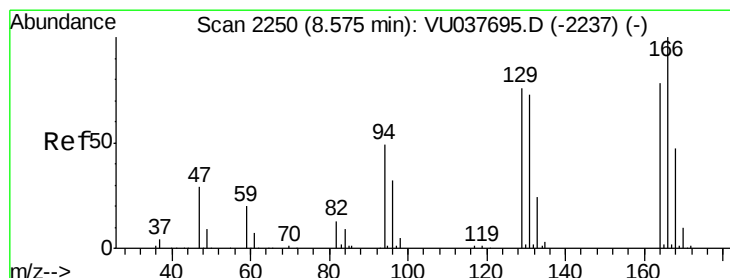
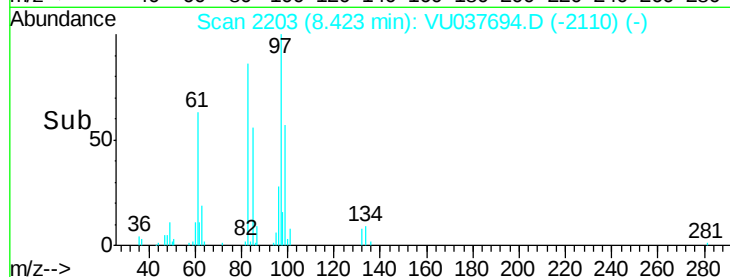
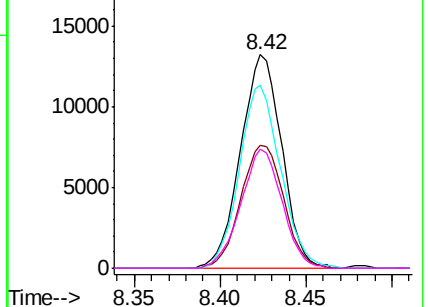


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 1.067 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Tgt Ion: 164 Resp: 20335

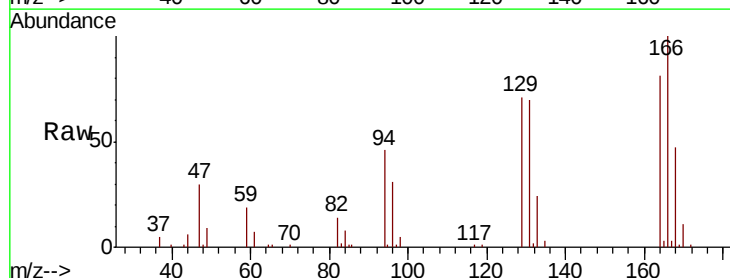
Ion Ratio Lower Upper

164 100

129 88.4 68.1 126.5

131 86.4 65.9 122.5

166 123.7 89.7 166.7

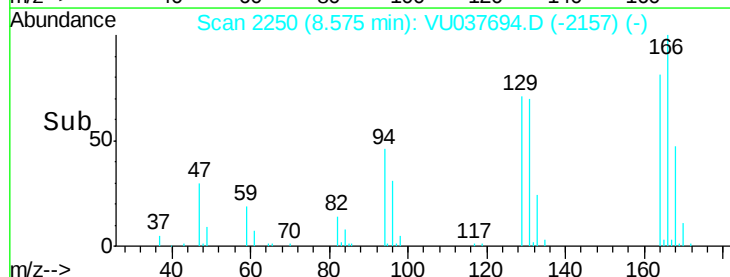
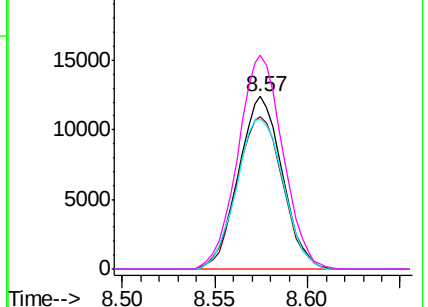


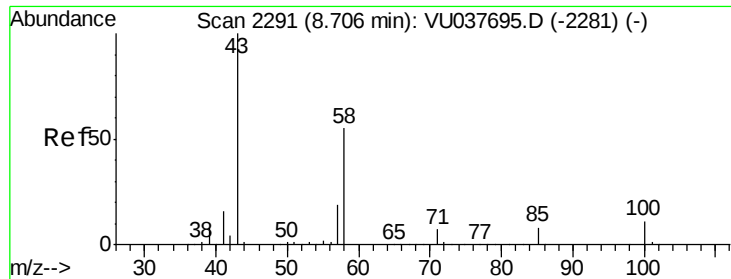
Abundance Ion 163.90 (163.60 to 164.60): V

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

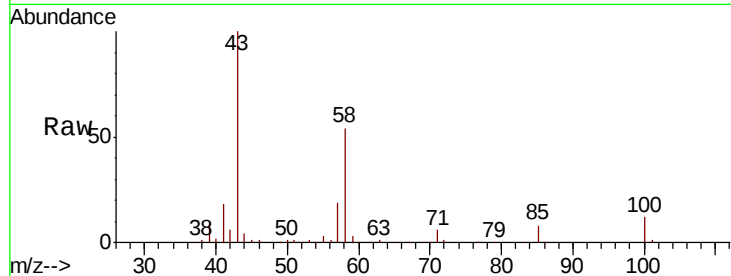




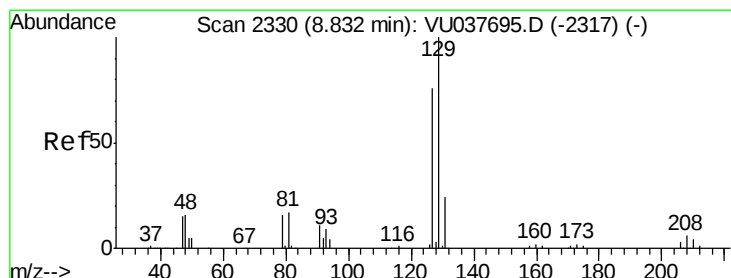
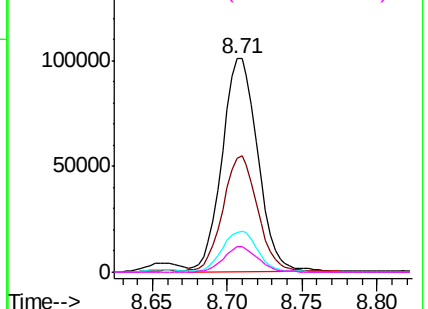
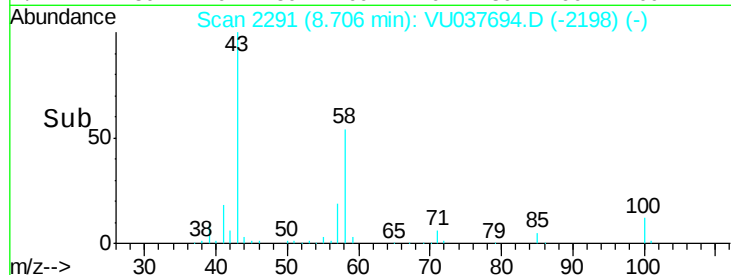
#48
2-Hexanone
Concen: 11.042 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 167436
Ion Ratio Lower Upper
43 100
58 53.5 43.6 65.4
57 18.8 15.4 23.0
100 11.7 9.1 13.7

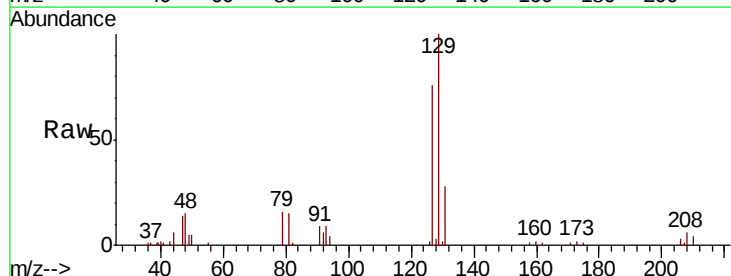


Abundance Ion 43.05 (42.75 to 43.75): VU037694.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU037694.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU037694.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU037694.D (-2198) (-)

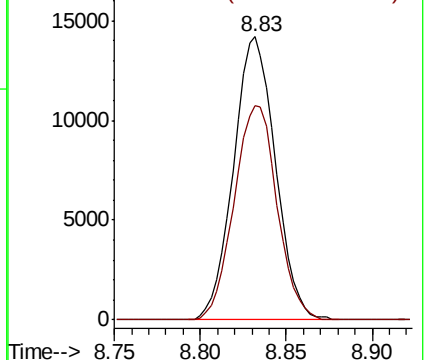
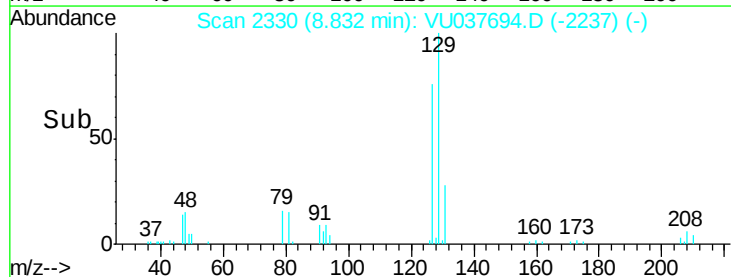


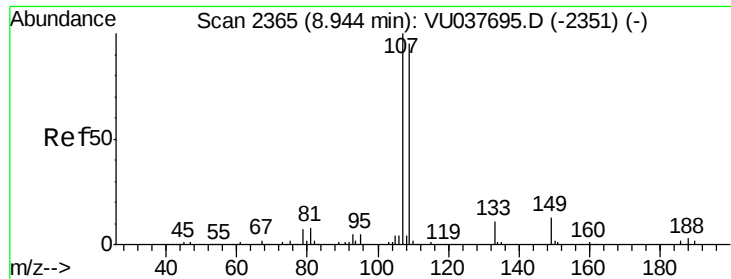
#49
Dibromochloromethane
Concen: 0.984 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion: 129 Resp: 24021
Ion Ratio Lower Upper
129 100
127 75.8 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU037694.D (-2237) (-)
Ion 126.90 (126.60 to 127.60): VU037694.D (-2237) (-)

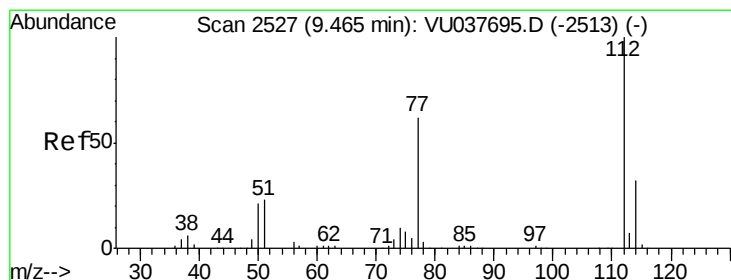
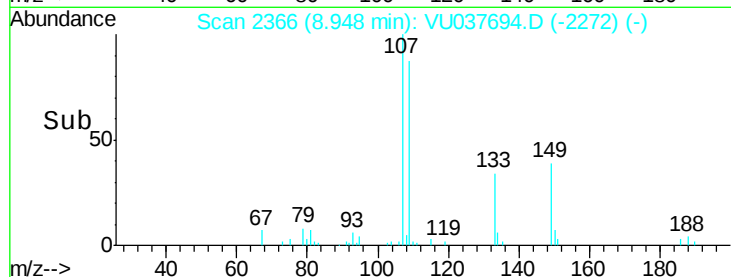
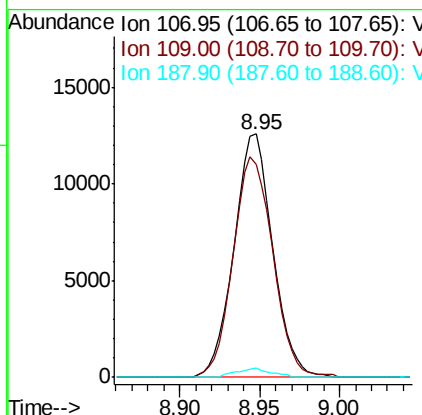
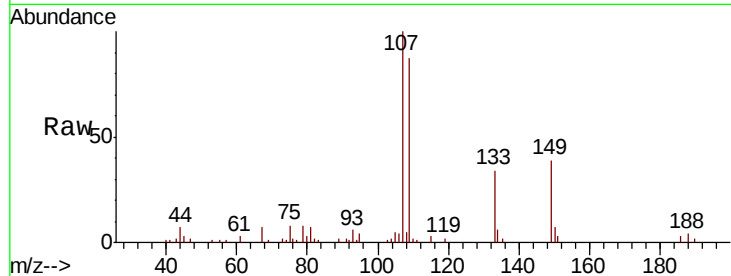




#50
 1,2-Dibromoethane
 Concen: 1.034 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

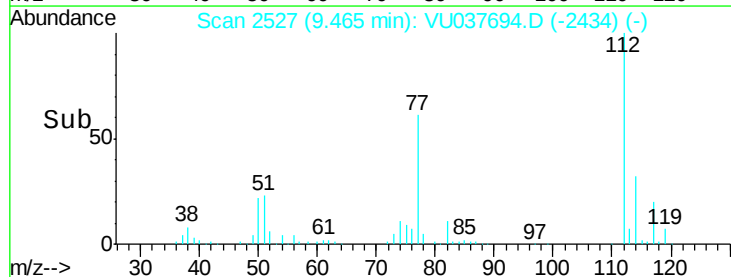
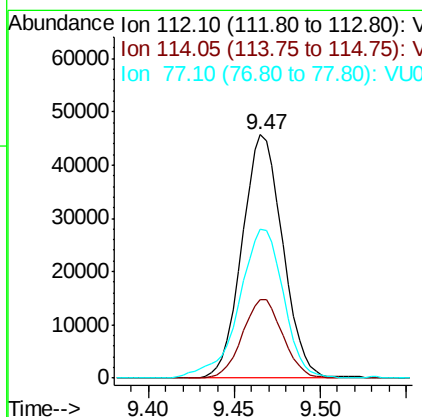
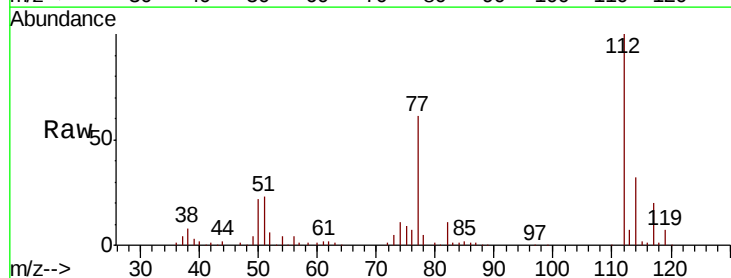
Instrument :
 MSVOA_U
 ClientSampleId :

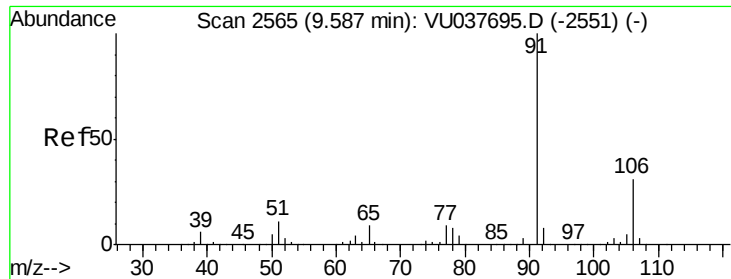
Tot Ion:107 Resp: 20714
 Ion Ratio Lower Upper
 107 100
 109 87.4 66.3 123.1
 188 3.7 2.5 3.7#



#51
 Chlorobenzene
 Concen: 1.035 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Tgt Ion:112 Resp: 74803
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.6 42.0
 77 61.0 50.2 75.4





#52

Ethylbenzene

Concen: 1.019 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

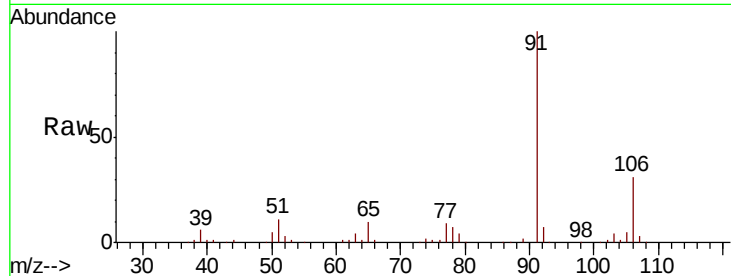
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 135565

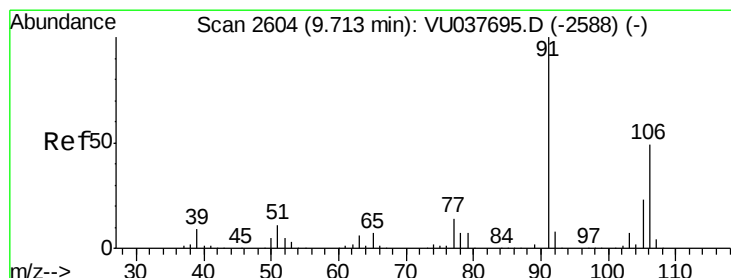
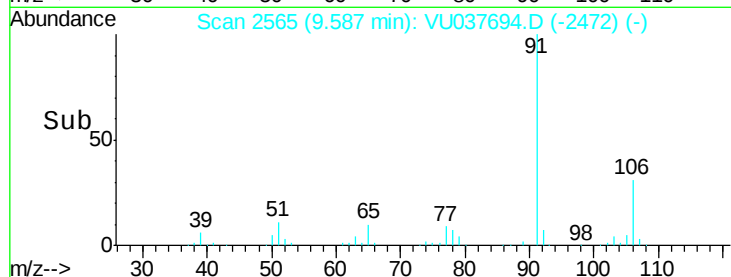
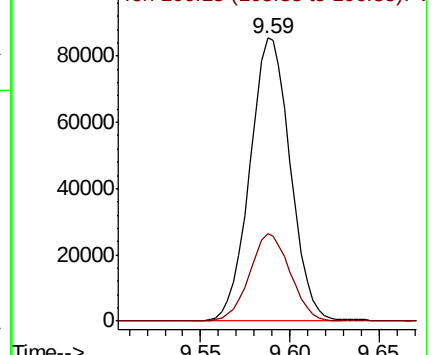
Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037694.D (-2551) (-)



#53

m,p-Xylene

Concen: 1.021 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037694.D

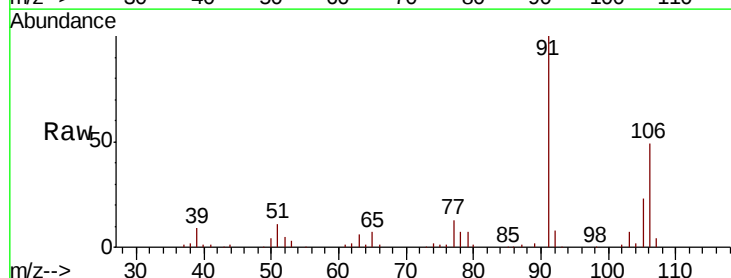
Acq: 14 Apr 2020 11:38

Tgt Ion: 106 Resp: 51160

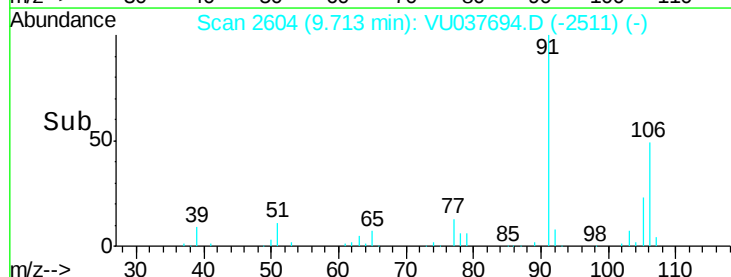
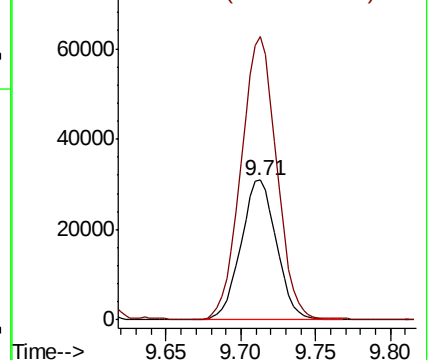
Ion Ratio Lower Upper

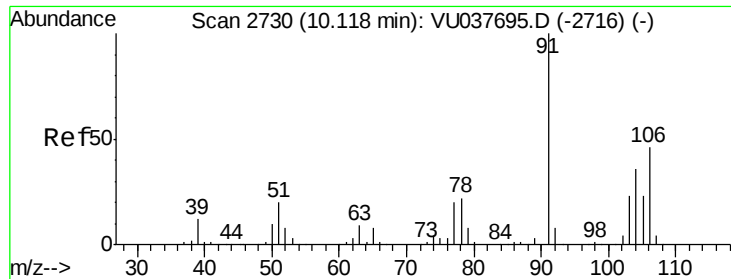
106 100

91 202.5 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037694.D (-2588) (-)

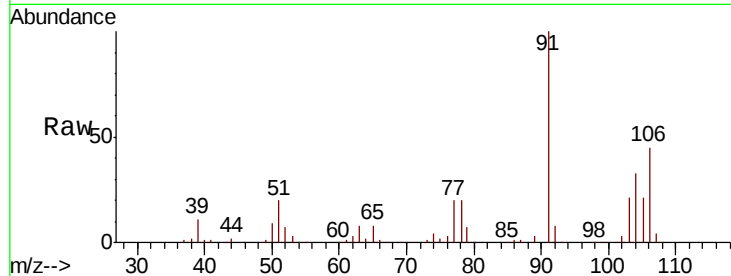




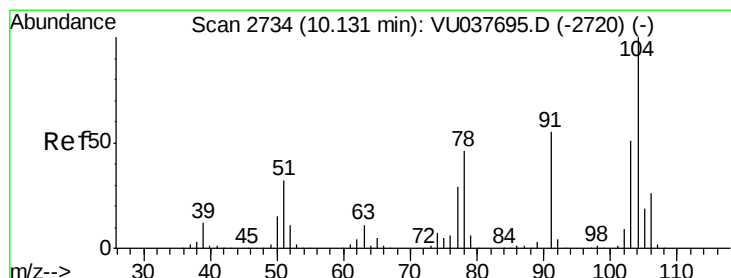
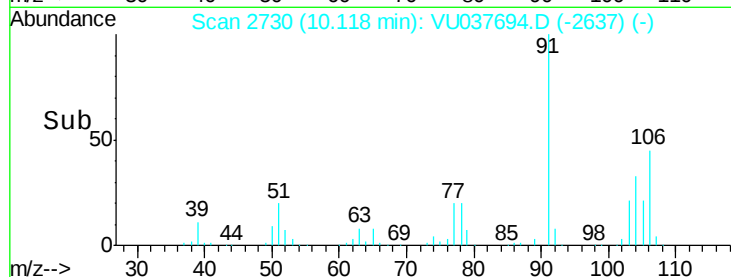
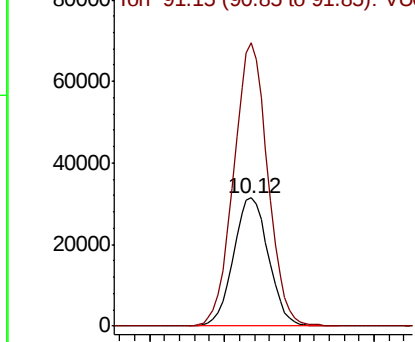
#54
o-Xylene
Concen: 1.062 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 51240
Ion Ratio Lower Upper
106 100
91 221.0 151.1 280.7

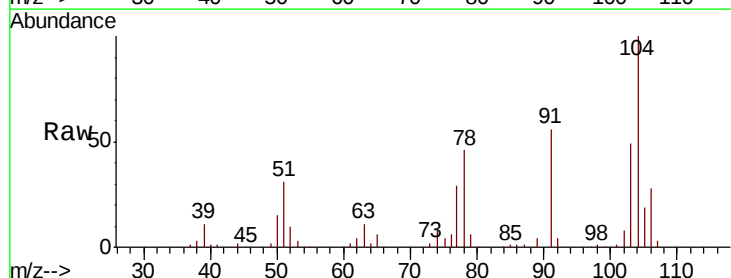


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

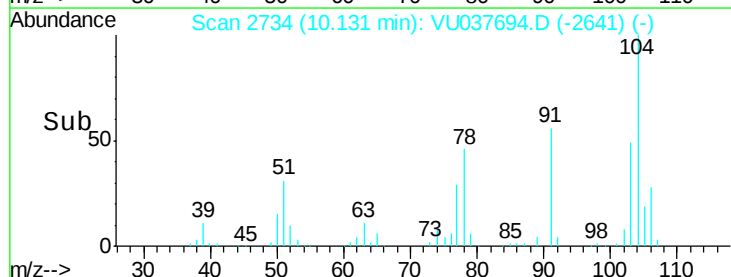
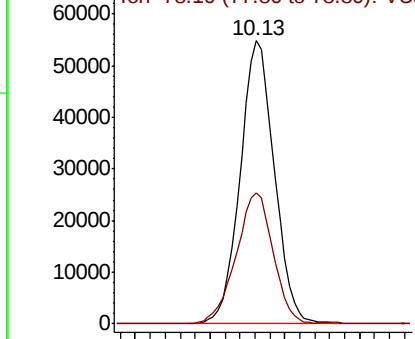


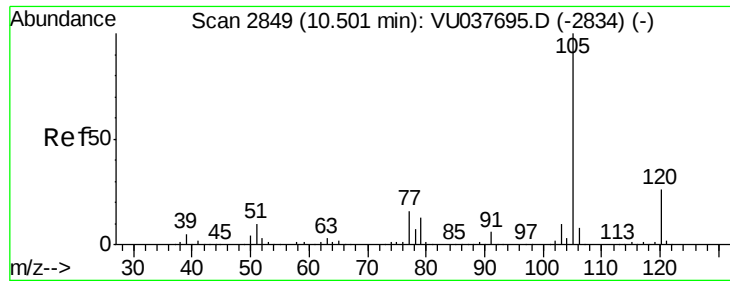
#55
Styrene
Concen: 1.046 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037694.D
Acq: 14 Apr 2020 11:38

Tgt Ion:104 Resp: 87188
Ion Ratio Lower Upper
104 100
78 46.5 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: 1.012 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

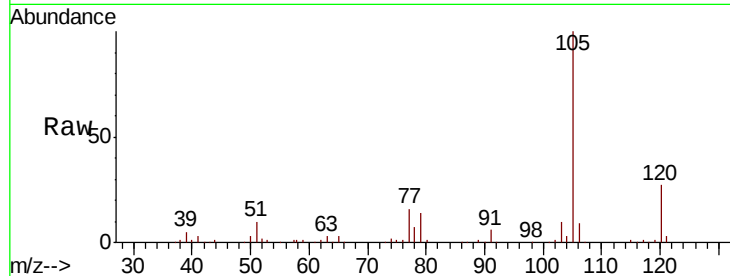
Tot Ion:105 Resp: 133031

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

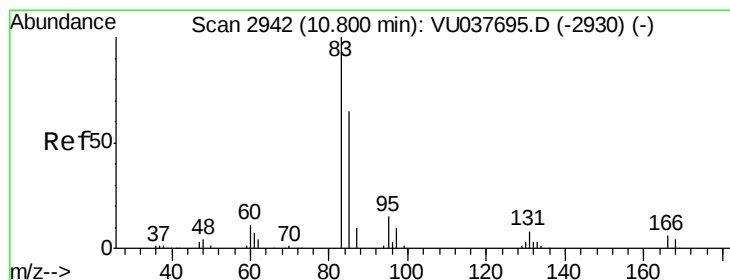
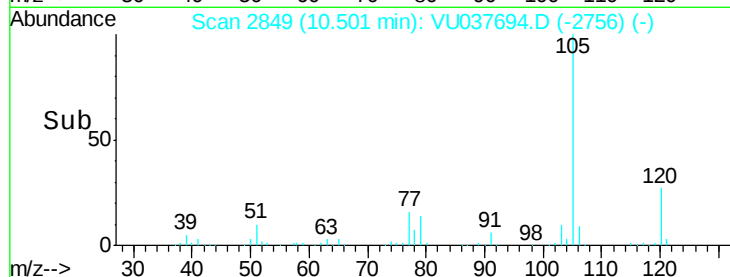
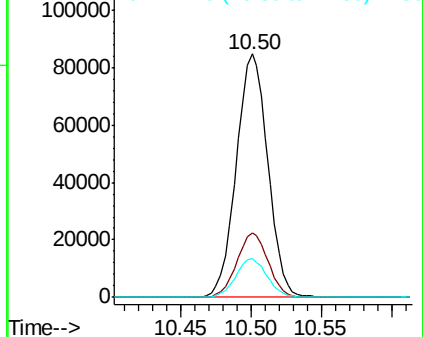
77 15.8 13.2 19.8



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: 0.984 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

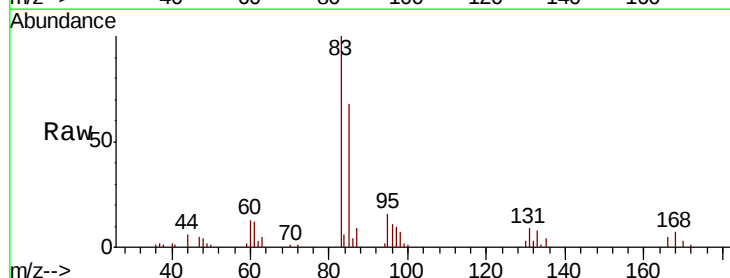
Tgt Ion: 83 Resp: 27243

Ion Ratio Lower Upper

83 100

85 68.1 45.3 84.1

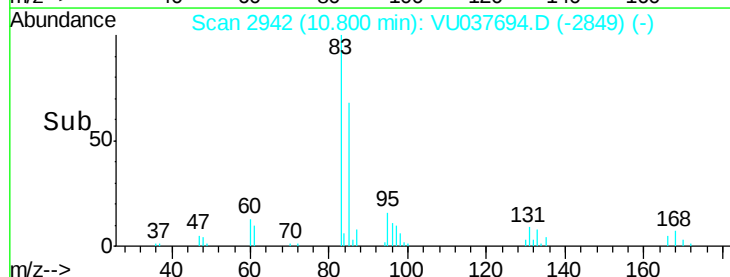
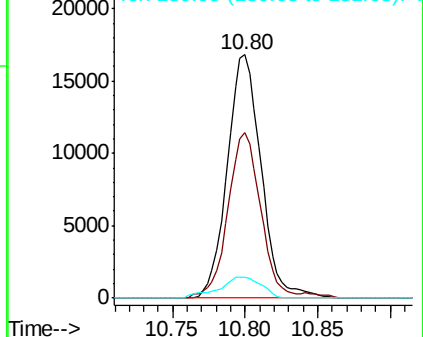
131 8.8 7.4 11.2

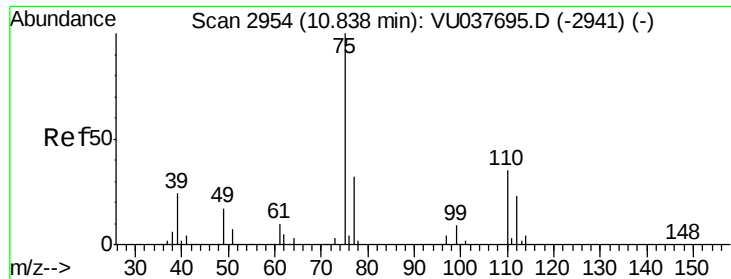


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

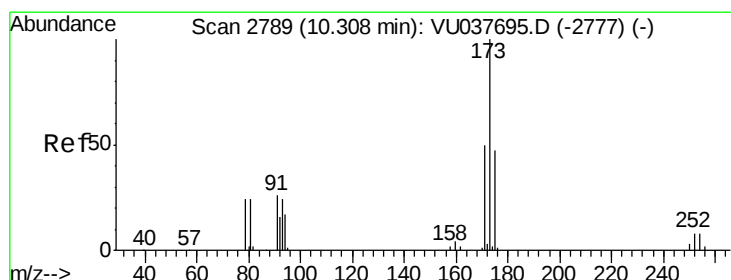
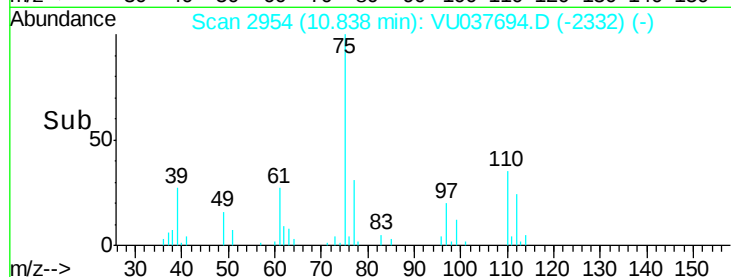
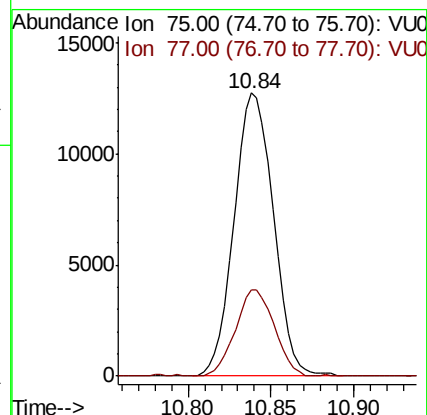
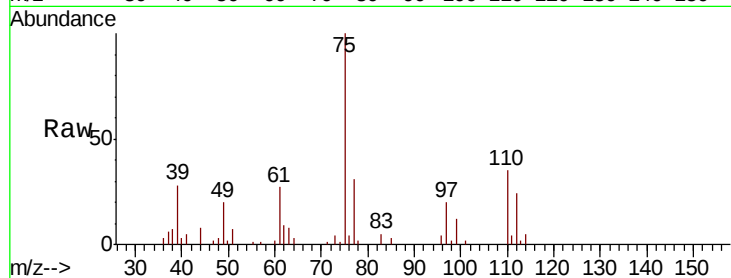
ClientSampled :

Tot Ion: 75 Resp: 20999

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.2



#61

Bromoform

Concen: 0.983 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

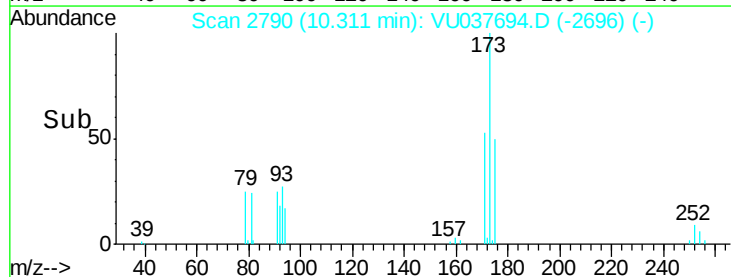
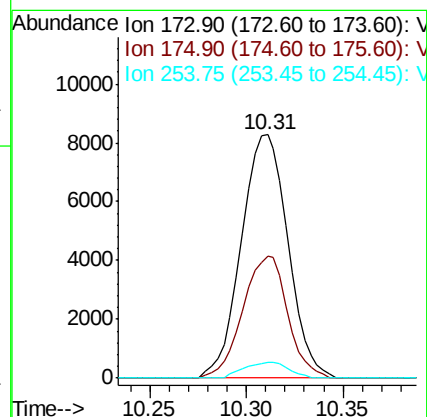
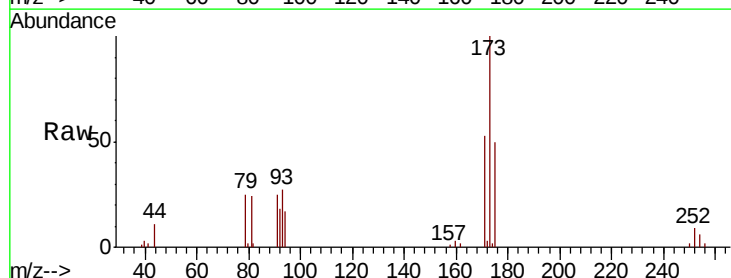
Tgt Ion: 173 Resp: 13849

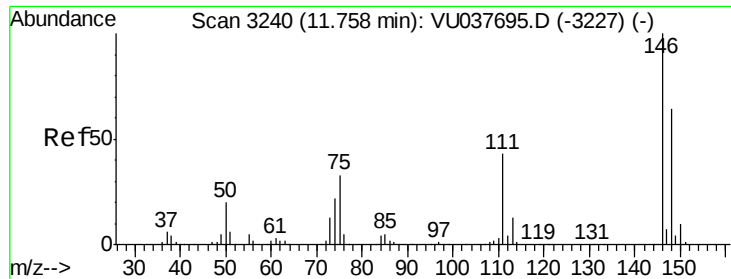
Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

254 6.2 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 1.025 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampled :

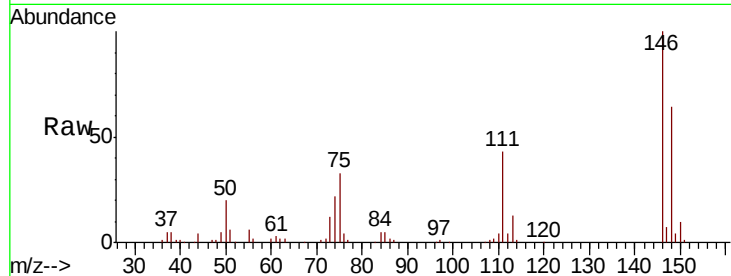
Tot Ion:146 Resp: 58510

Ion Ratio Lower Upper

146 100

111 43.1 29.8 55.3

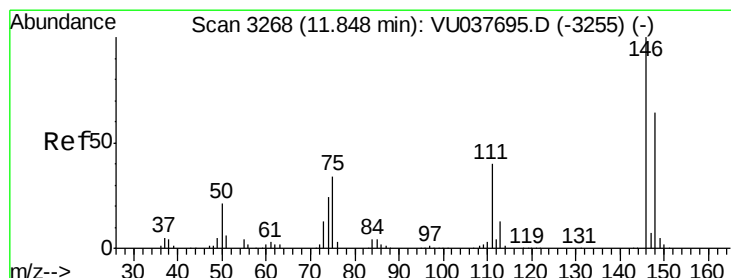
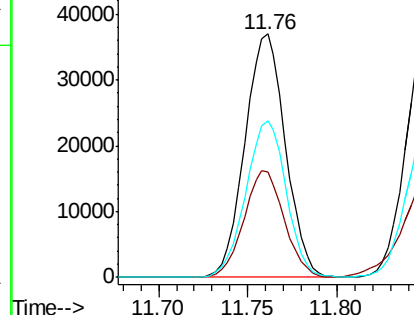
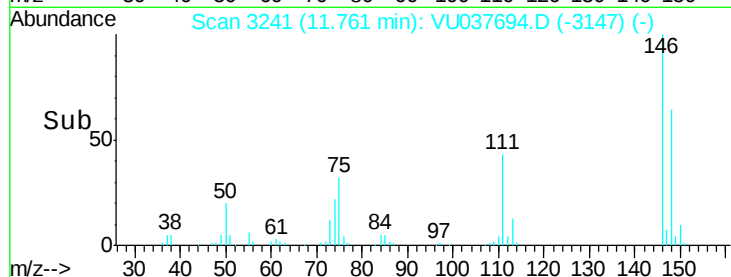
148 64.3 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.020 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

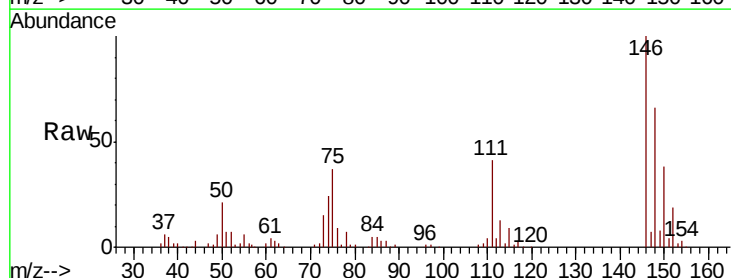
Tgt Ion:146 Resp: 59197

Ion Ratio Lower Upper

146 100

111 41.0 28.4 52.8

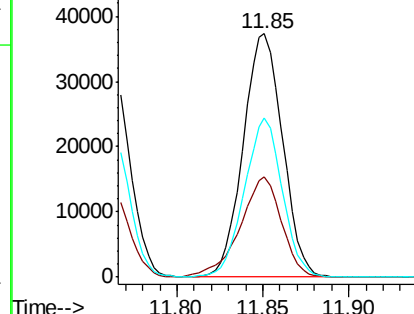
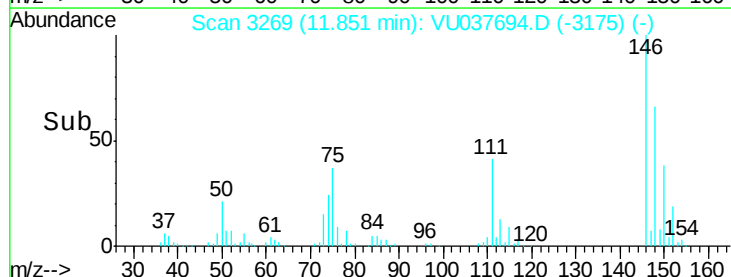
148 65.6 44.9 83.3

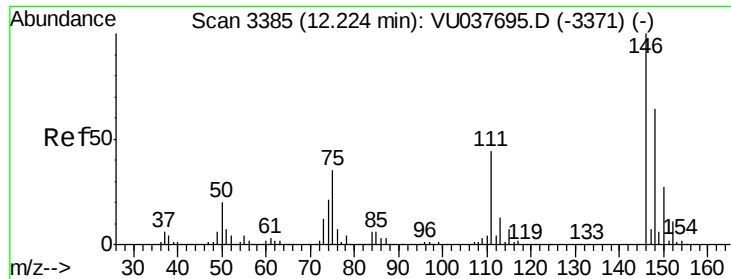


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.016 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

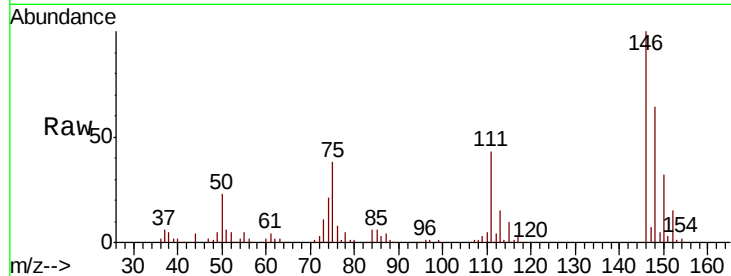
Tot Ion:146 Resp: 55550

Ion Ratio Lower Upper

146 100

111 43.4 35.0 52.6

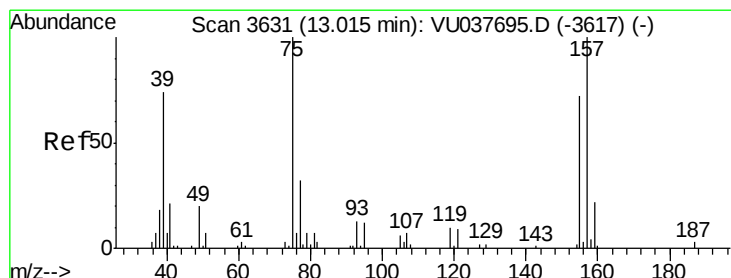
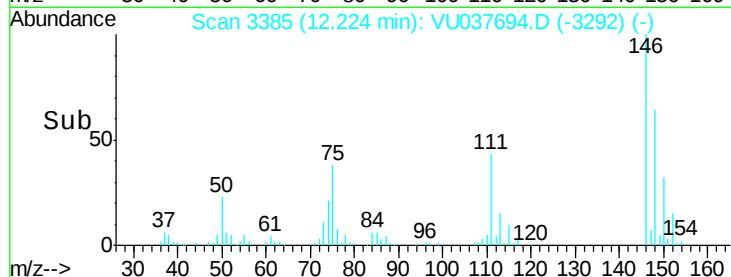
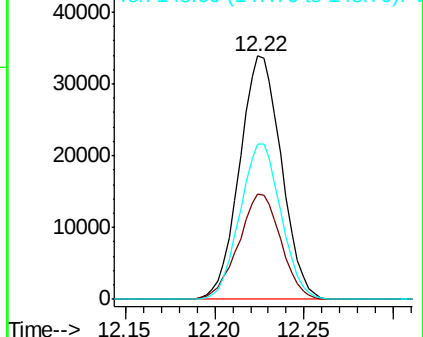
148 63.9 51.5 77.3



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: 0.985 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

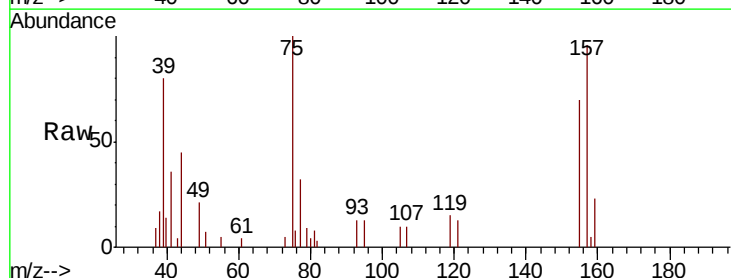
Tgt Ion: 75 Resp: 5136

Ion Ratio Lower Upper

75 100

155 70.2 57.9 86.9

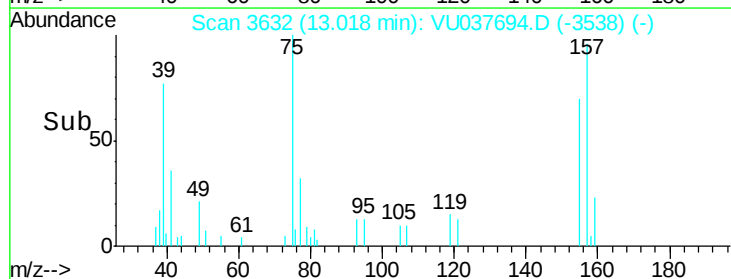
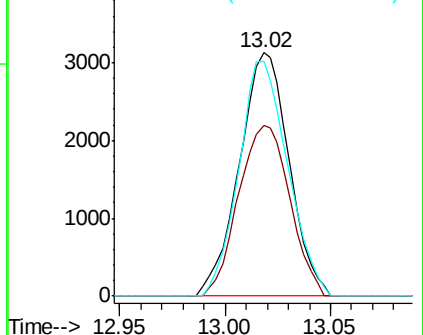
157 96.4 79.8 119.8

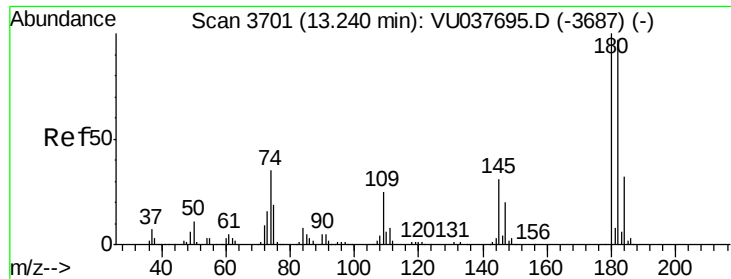


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

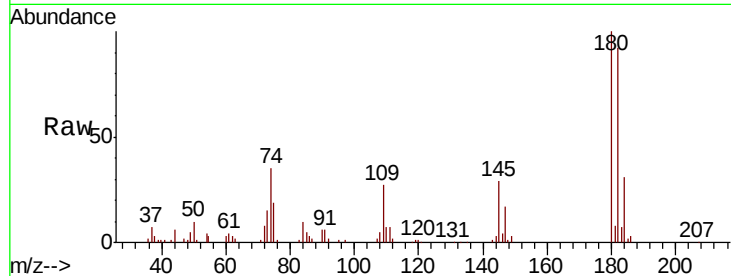




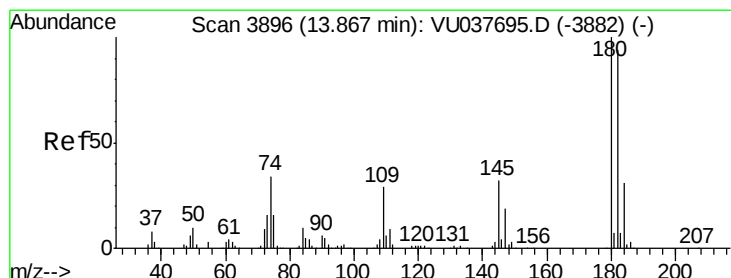
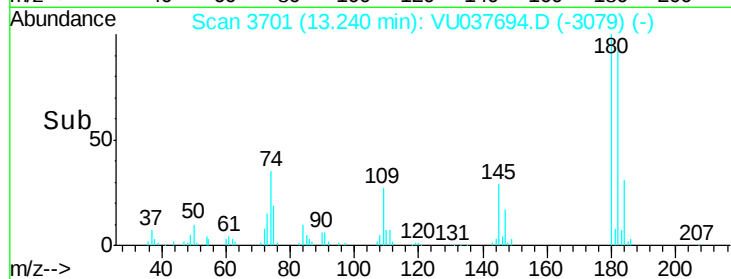
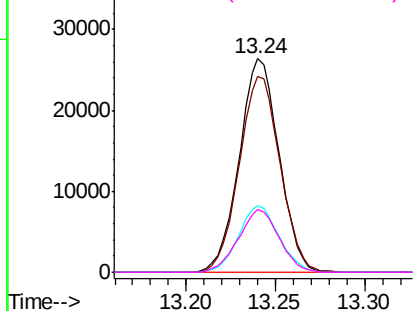
#67
 1,3,5-Trichlorobenzene
 Concen: 0.990 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 41209
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.1 115.7
 184 31.6 24.7 37.1
 145 29.9 24.6 37.0

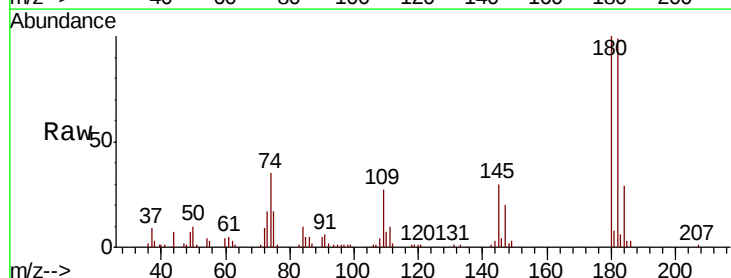


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

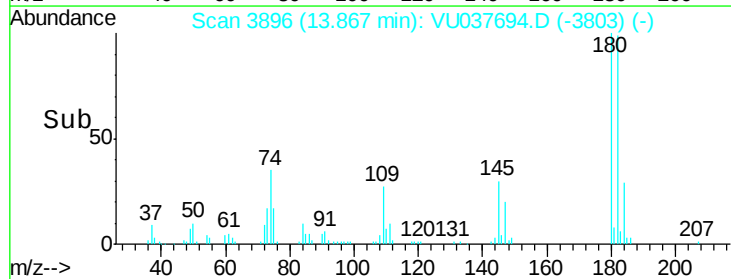
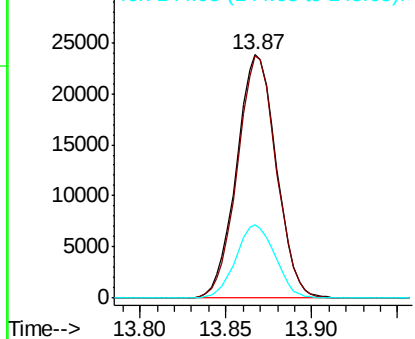


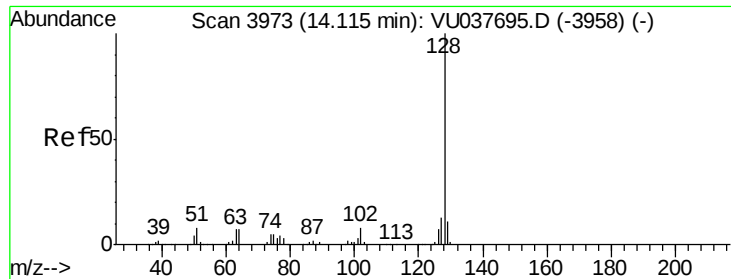
#68
 1,2,4-trichlorobenzene
 Concen: 0.991 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037694.D
 Acq: 14 Apr 2020 11:38

Tgt Ion:180 Resp: 38195
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.4 114.6
 145 29.6 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: 0.951 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

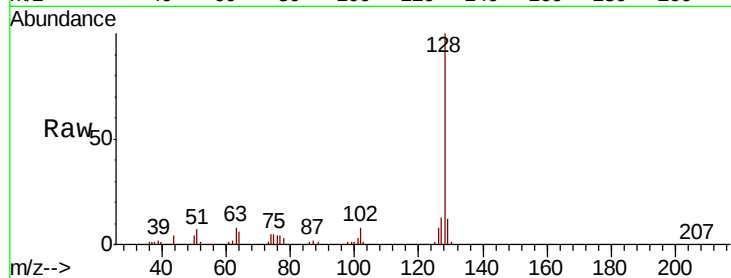
Tot Ion:128 Resp: 80222

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

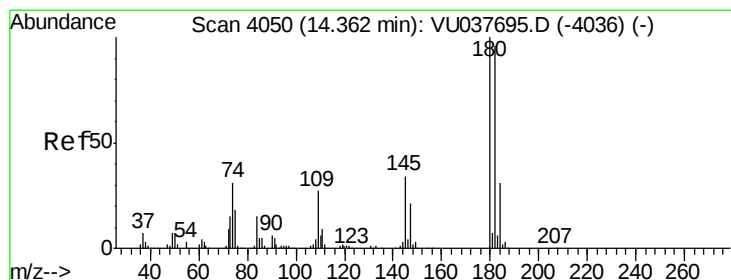
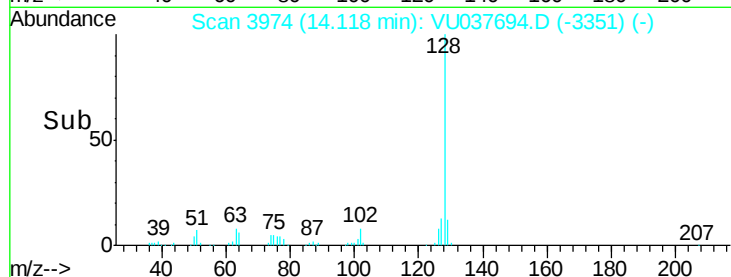
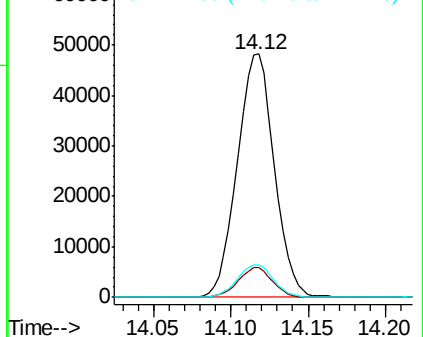
127 13.1 10.4 15.6



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: 1.018 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037694.D

Acq: 14 Apr 2020 11:38

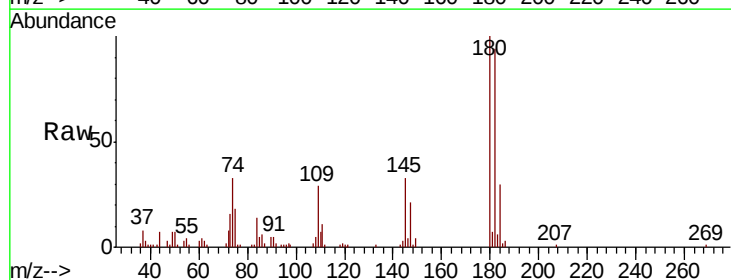
Tgt Ion:180 Resp: 34985

Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

145 32.3 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

