

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037696.D
 Acq On : 14 Apr 2020 12:27
 Operator : JC/MD
 Sample : VSTD01002
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:05:27 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	319776	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	302577	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149629	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	257140	9.64	ug/L	0.00
7) Chloroethane-d5	1.93	69	214743	10.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	452970	9.61	ug/L	0.00
20) 2-Butanone-d5	4.66	46	679069	93.79	ug/L	0.00
24) Chloroform-d	5.10	84	397074	8.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	228023	9.16	ug/L	0.00
32) Benzene-d6	5.76	84	871305	9.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	281586	9.34	ug/L	0.00
41) Toluene-d8	7.92	98	789776	9.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	123403	9.19	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	642396	96.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	220848	9.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	276810	9.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	284809	11.161	ug/L 99
3) Chloromethane	1.54	50	335029	12.255	ug/L 99
5) Vinyl chloride	1.62	62	338292	12.327	ug/L 98
6) Bromomethane	1.86	94	183303	13.504	ug/L 97
8) Chloroethane	1.95	64	196998	11.650	ug/L 98
9) Trichlorofluoromethane	2.16	101	366062	9.609	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	219348	10.079	ug/L 99
12) 1,1-Dichloroethene	2.60	96	223023	10.484	ug/L 98
13) Acetone	2.65	43	414057	99.100	ug/L 100
14) Carbon disulfide	2.82	76	796947	11.118	ug/L 100
15) Methyl Acetate	2.98	43	115306	9.322	ug/L 99
16) Methylene chloride	3.08	84	242563	9.741	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	625497	10.354	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	239851	10.333	ug/L 99
19) 1,1-Dichloroethane	3.91	63	459706	10.498	ug/L 99
21) 2-Butanone	4.75	43	771922	104.320	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	256558	10.163	ug/L 98
23) Bromochloromethane	5.01	128	107741	9.822	ug/L 96
25) Chloroform	5.13	83	437884	9.848	ug/L 99
27) 1,2-Dichloroethane	5.83	62	293208	10.201	ug/L 100
29) 1,1,1-Trichloroethane	5.35	97	372071	9.632	ug/L 99
30) Cyclohexane	5.42	56	473816	10.921	ug/L 99
31) Carbon tetrachloride	5.56	117	301819	9.683	ug/L 99
33) Benzene	5.81	78	1004471	10.356	ug/L 100
34) Trichloroethene	6.57	95	248790	9.795	ug/L 98
35) Methylcyclohexane	6.79	83	455474	10.630	ug/L 99
37) 1,2-Dichloropropane	6.82	63	267049	10.250	ug/L 100
38) Bromodichloromethane	7.13	83	314640	9.524	ug/L 100
39) cis-1,3-Dichloropropene	7.63	75	415639	10.306	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	1920506	104.223	ug/L 100

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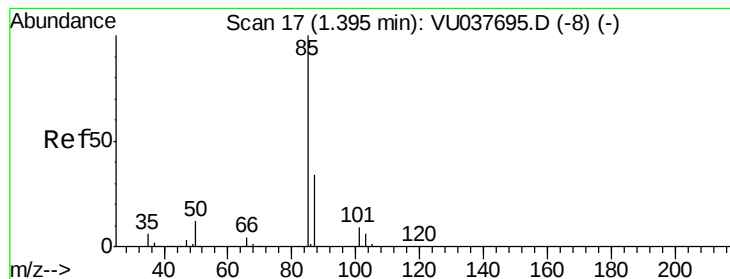
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:05:27 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	1059912	10.297	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	356570	10.179	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	176580	9.755	ug/L	97
47) Tetrachloroethene	8.57	164	179232	10.719	ug/L	99
48) 2-Hexanone	8.71	43	1356597	101.936	ug/L	99
49) Dibromochloromethane	8.83	129	200653	9.365	ug/L	98
50) 1,2-Dibromoethane	8.94	107	168206	9.567	ug/L	98
51) Chlorobenzene	9.47	112	648825	10.233	ug/L	99
52) Ethylbenzene	9.59	91	1192156	10.207	ug/L	99
53) m,p-Xylene	9.71	106	455343	10.358	ug/L	97
54) o-Xylene	10.12	106	441914	10.438	ug/L	99
55) Styrene	10.13	104	756037	10.335	ug/L	99
56) Isopropylbenzene	10.50	105	1163434	10.085	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	231262	9.516	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	172331	10.102	ug/L	99
61) Bromoform	10.31	173	119405	9.720	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	508009	10.207	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	508332	10.040	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	473175	9.921	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	41728	9.173	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	382689	10.537	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	347650	10.337	ug/L	99
69) Naphthalene	14.11	128	688921	9.365	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	312705	10.433	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 11.161 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

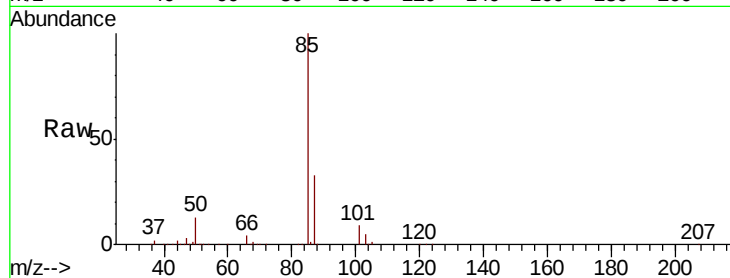
ClientSampled :

Tot Ion: 85 Resp: 284809

Ion Ratio Lower Upper

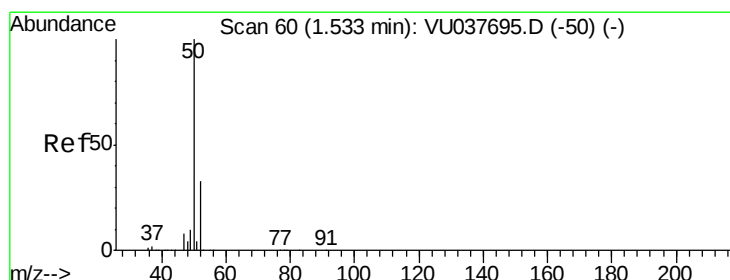
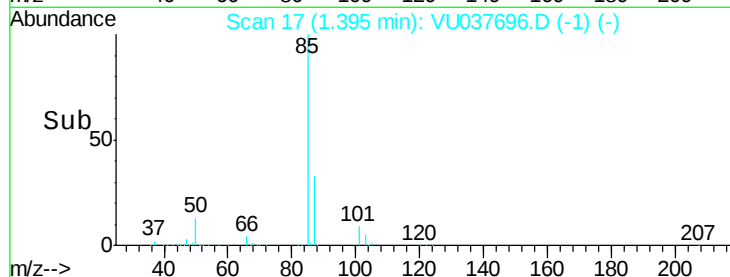
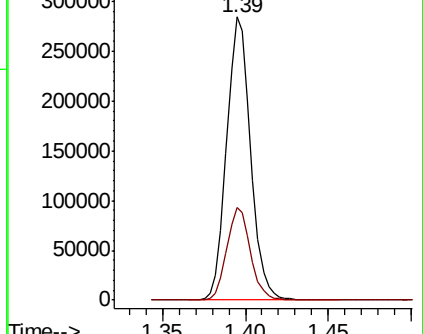
85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037695.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037695.D (-8) (-)



#3

Chloromethane

Concen: 12.255 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037696.D

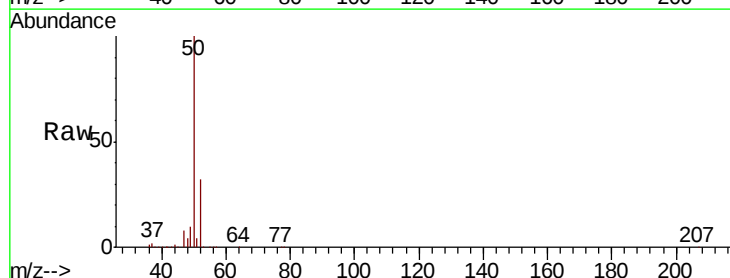
Acq: 14 Apr 2020 12:27

Tgt Ion: 50 Resp: 335029

Ion Ratio Lower Upper

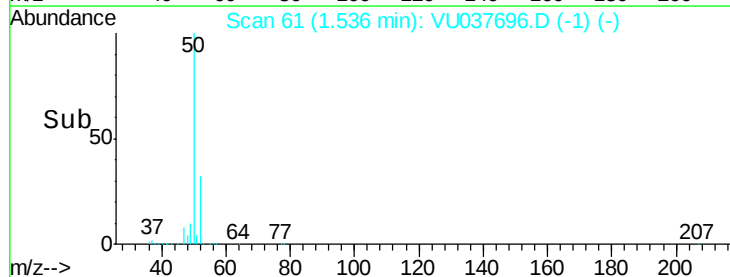
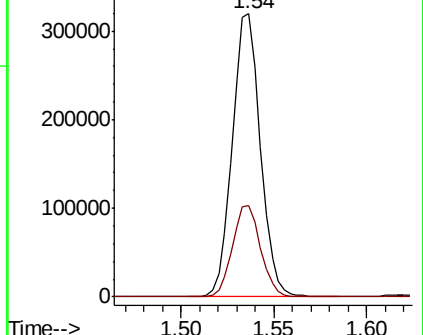
50 100

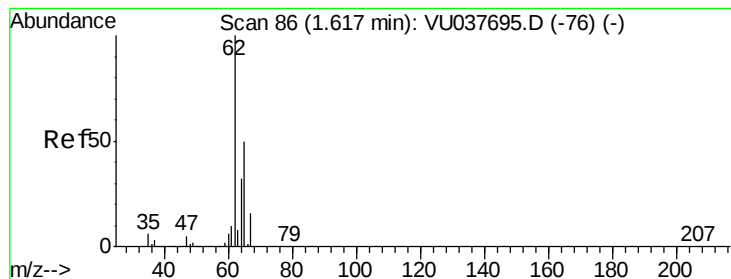
52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037695.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037695.D (-50) (-)





#5

Vinyl chloride

Concen: 12.327 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

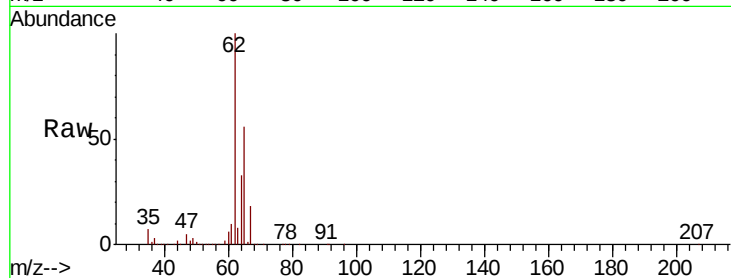
ClientSampleId :

Tot Ion: 62 Resp: 338292

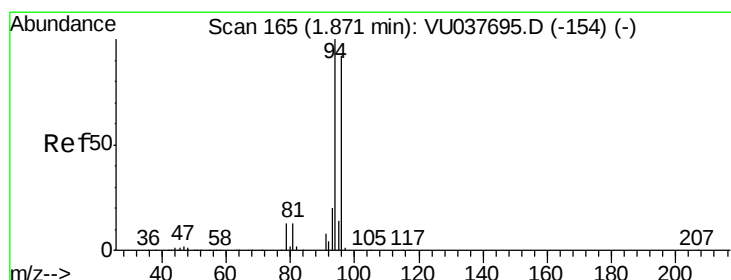
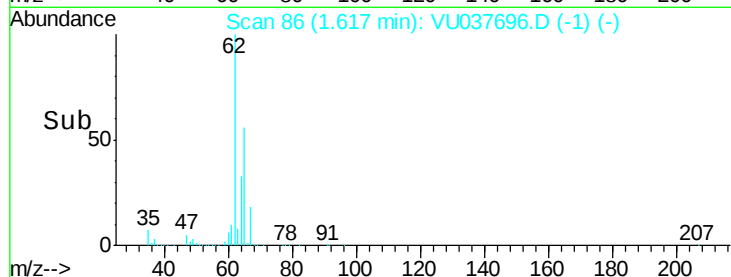
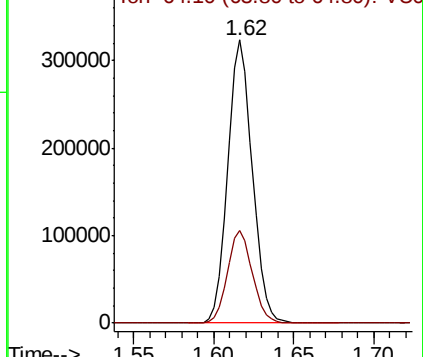
Ion Ratio Lower Upper

62 100

64 32.9 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037696.D (-1) (-)



#6

Bromomethane

Concen: 13.504 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU037696.D

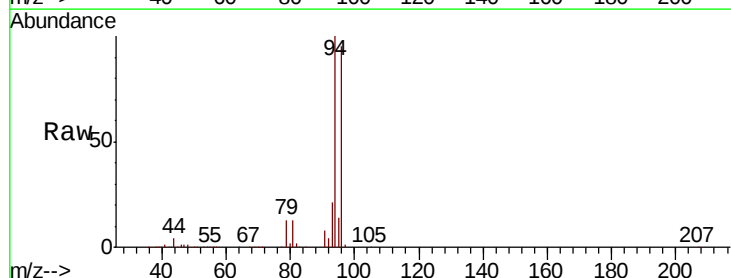
Acq: 14 Apr 2020 12:27

Tgt Ion: 94 Resp: 183303

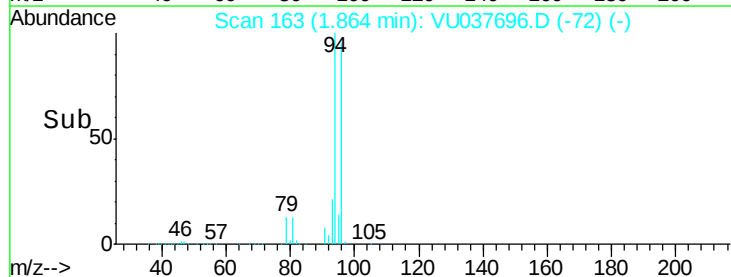
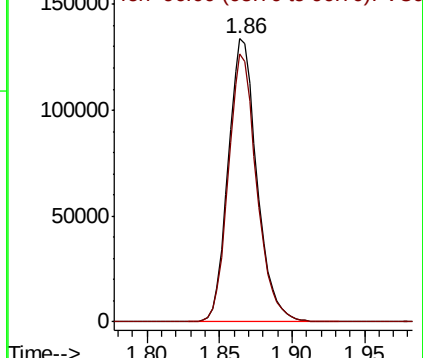
Ion Ratio Lower Upper

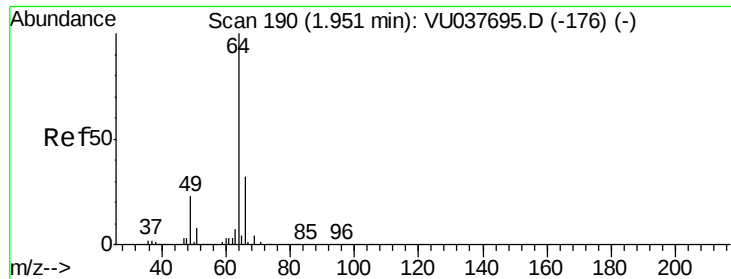
94 100

96 94.6 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037696.D (-72) (-)

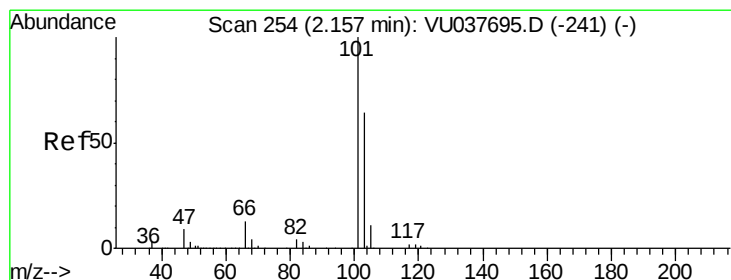
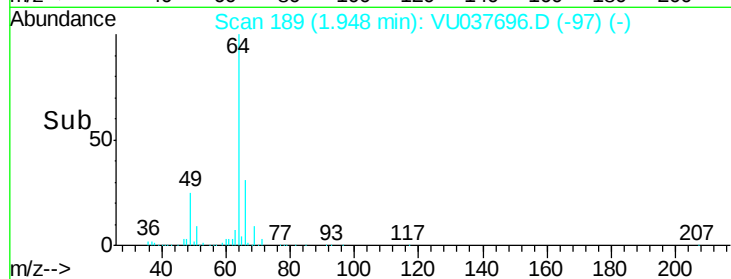
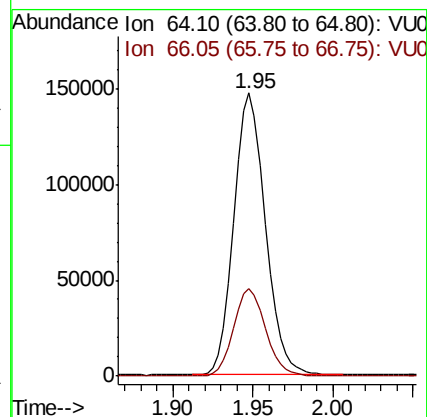
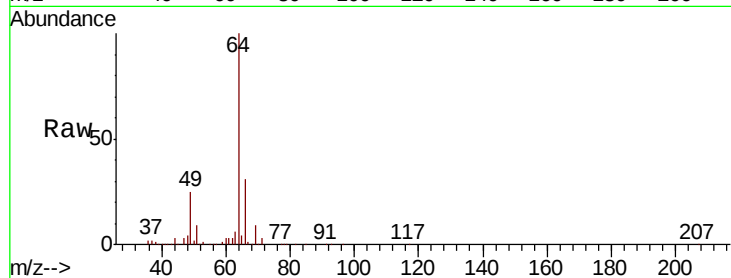




#8
Chloroethane
Concen: 11.650 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

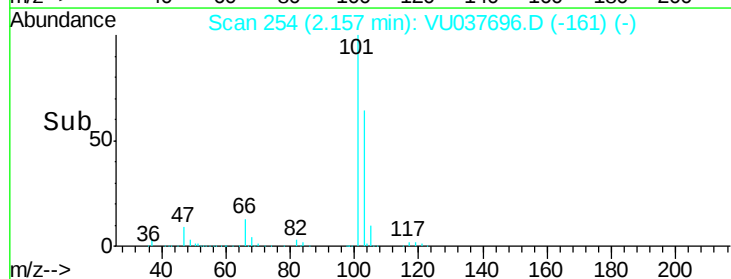
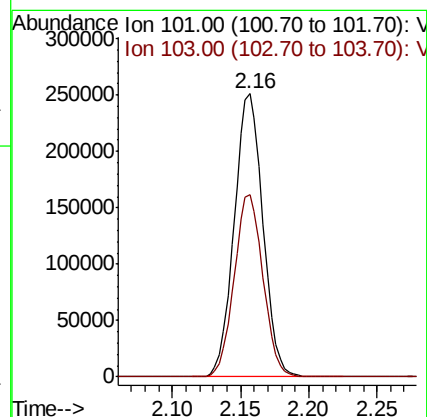
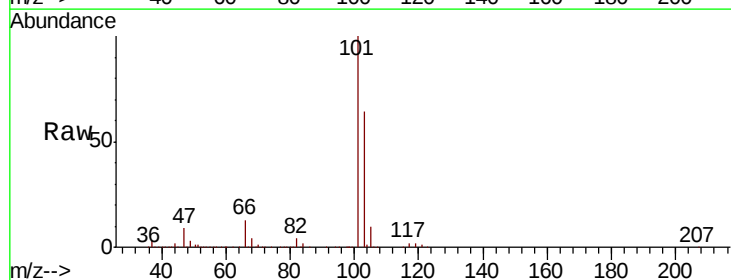
Instrument :
MSVOA_U
ClientSampleId :

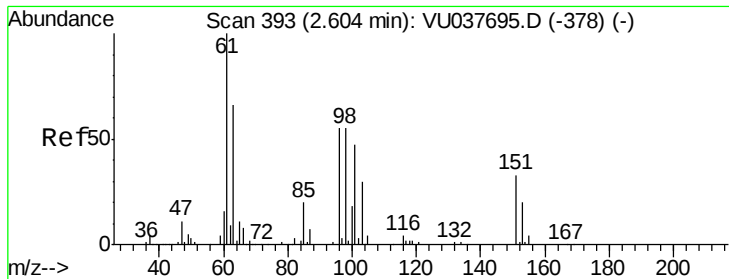
Tot Ion: 64 Resp: 196998
Ion Ratio Lower Upper
64 100
66 30.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 9.609 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Tgt Ion:101 Resp: 366062
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6





#10

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

Concen: 10.079 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

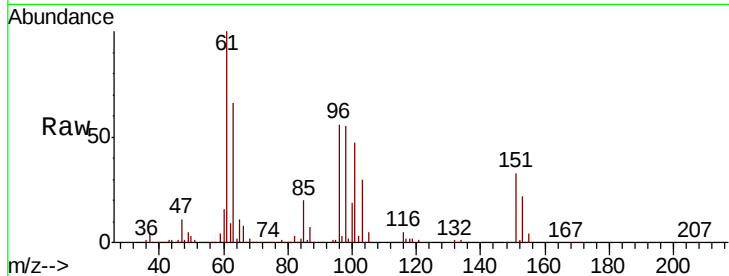
Tot Ion:101 Resp: 219348

Ion Ratio Lower Upper

101 100

85 43.7 34.5 51.7

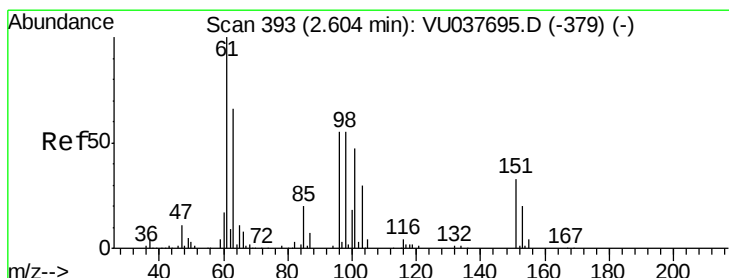
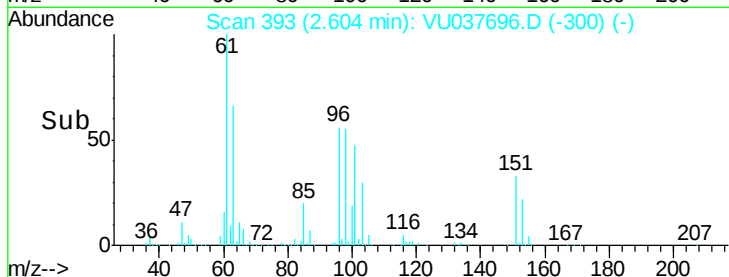
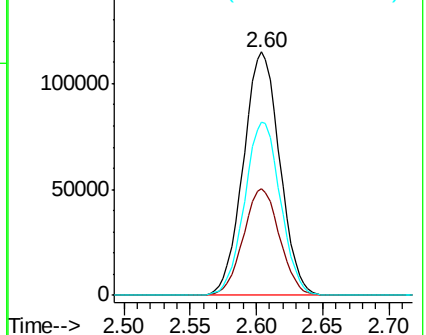
151 70.2 56.9 85.3



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: 10.484 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

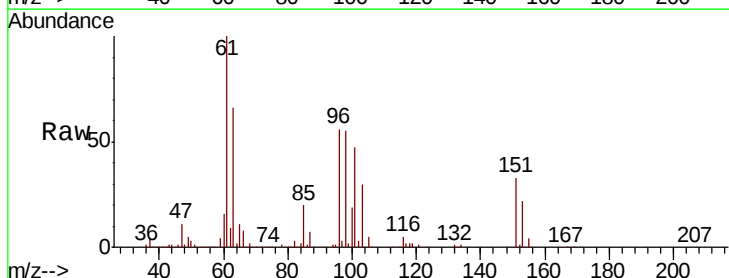
Tgt Ion: 96 Resp: 223023

Ion Ratio Lower Upper

96 100

61 179.9 127.7 237.3

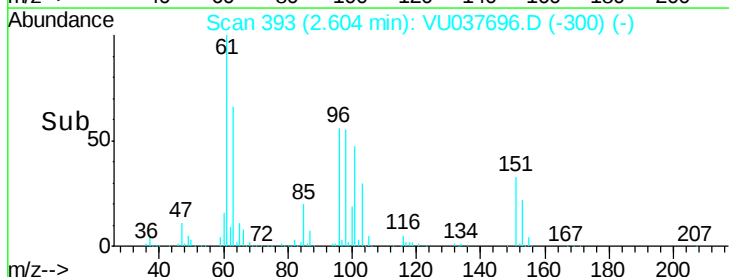
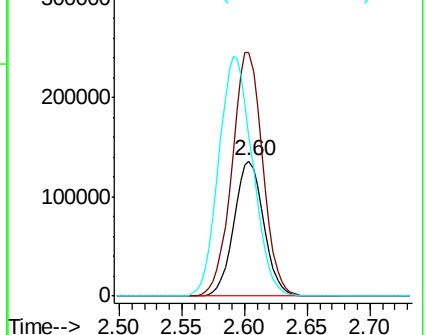
63 118.8 85.0 157.8

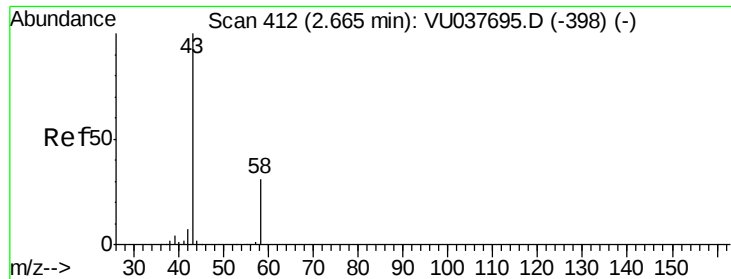


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.100 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

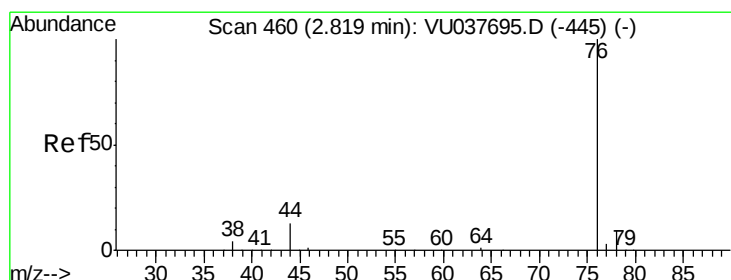
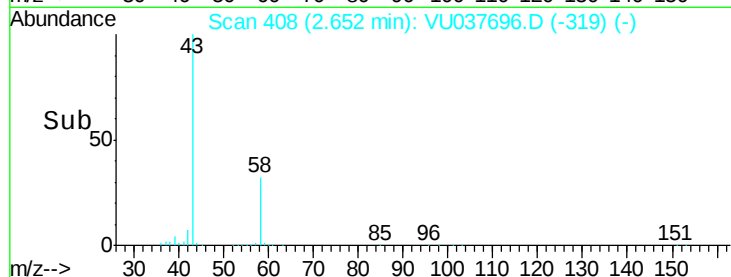
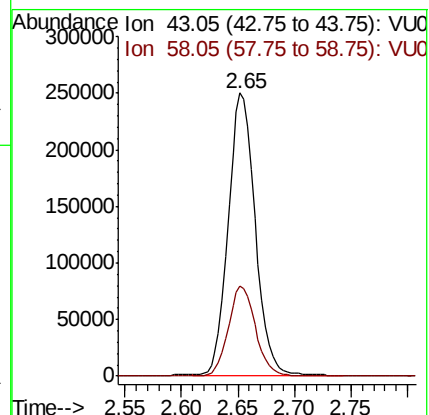
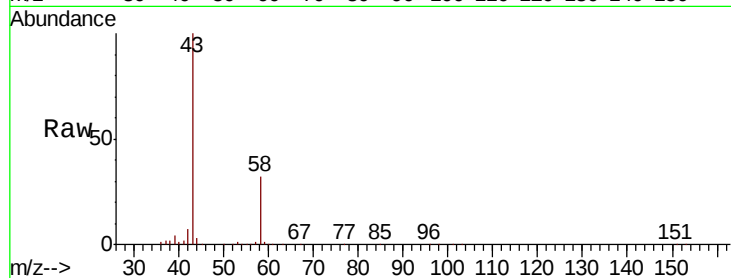
ClientSampleId :

Tot Ion: 43 Resp: 414057

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.8



#14

Carbon disulfide

Concen: 11.118 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037696.D

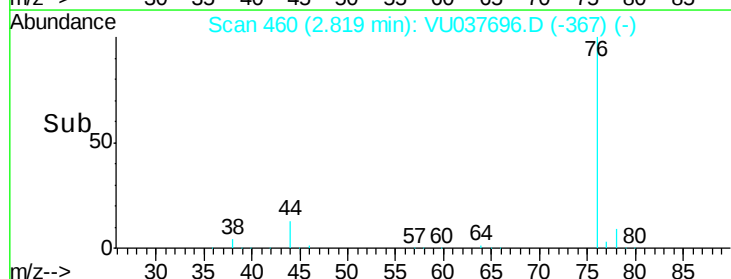
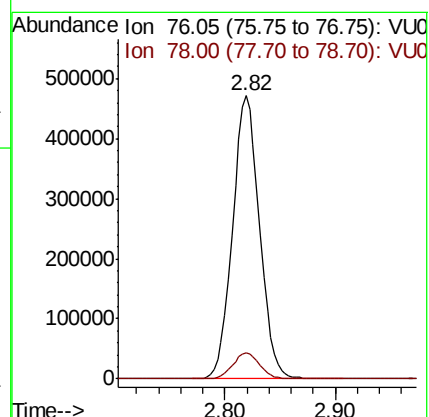
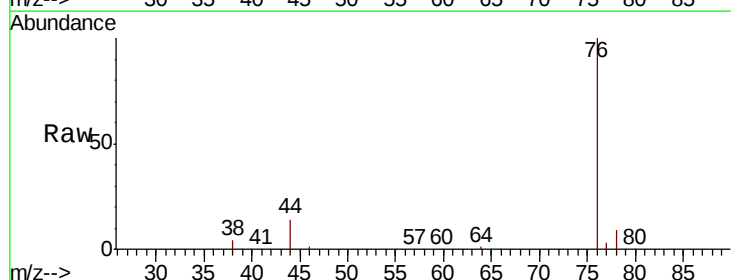
Acq: 14 Apr 2020 12:27

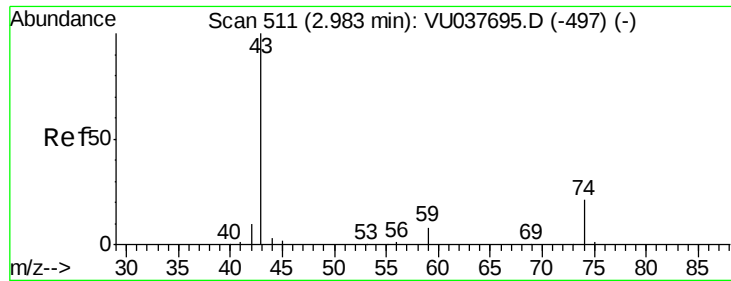
Tgt Ion: 76 Resp: 796947

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

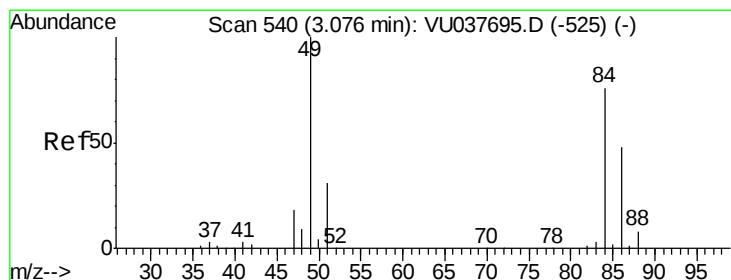
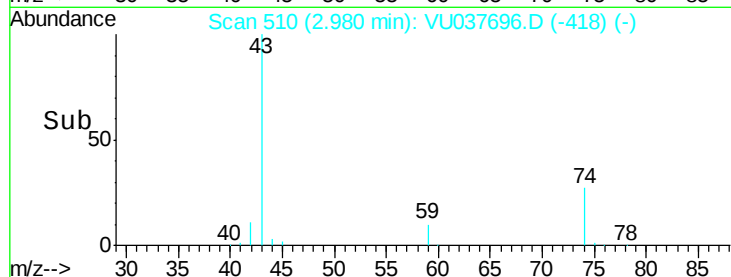
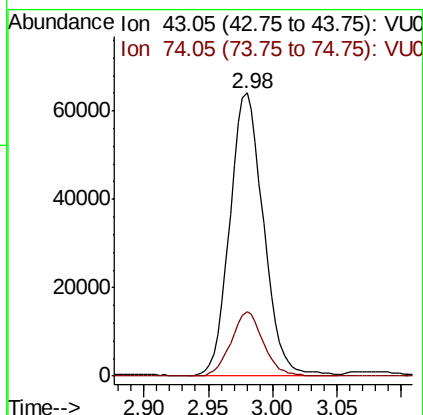
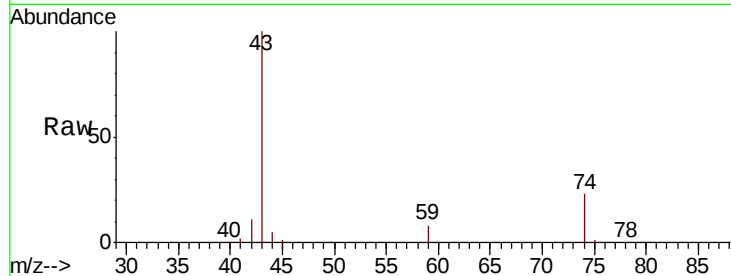




#15
Methvl Acetate
Concen: 9.322 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

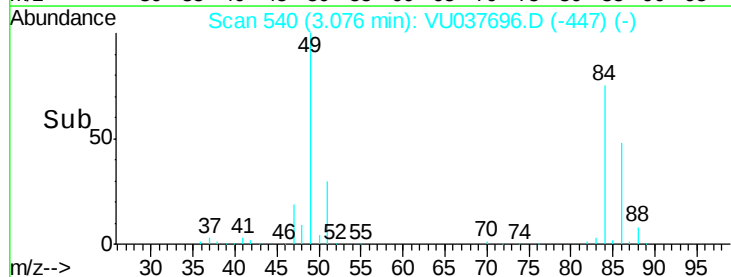
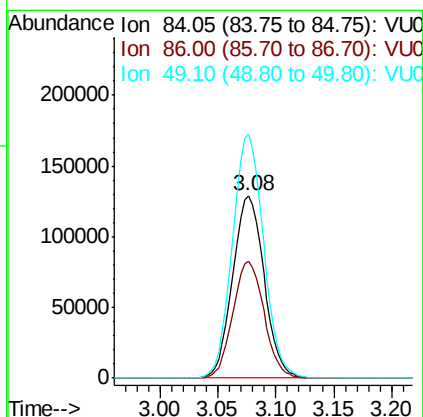
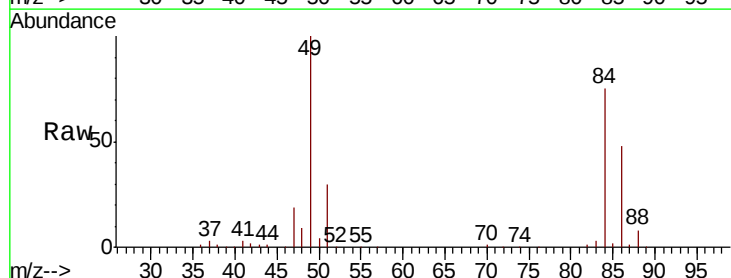
Instrument :
MSVOA_U
ClientSampleId :

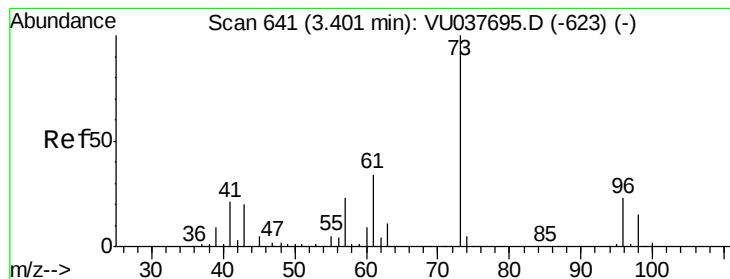
Tot Ion: 43 Resp: 115306
Ion Ratio Lower Upper
43 100
74 22.0 17.2 25.8



#16
Methylene chloride
Concen: 9.741 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Tgt Ion: 84 Resp: 242563
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 133.6 92.4 171.6



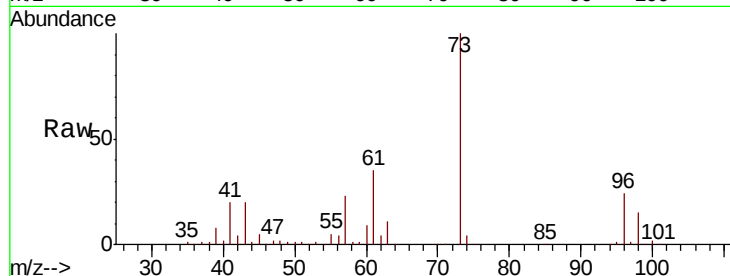


#17

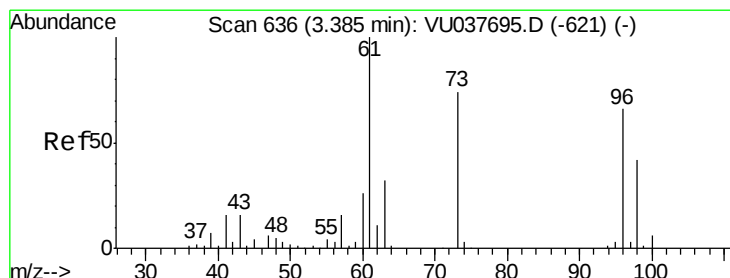
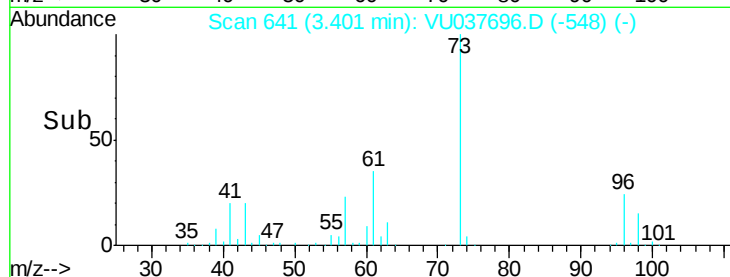
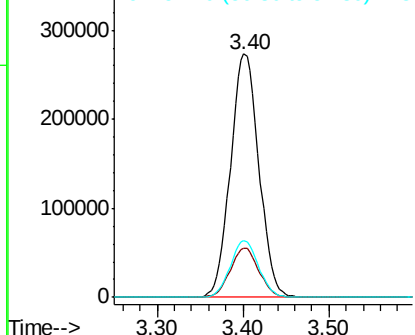
Methvl tert-butvl Ether
 Concen: 10.354 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 625497
 Ion Ratio Lower Upper
 73 100
 43 20.2 16.4 24.6
 57 23.3 18.4 27.6



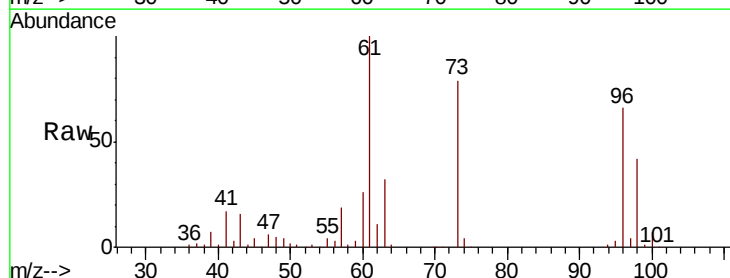
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



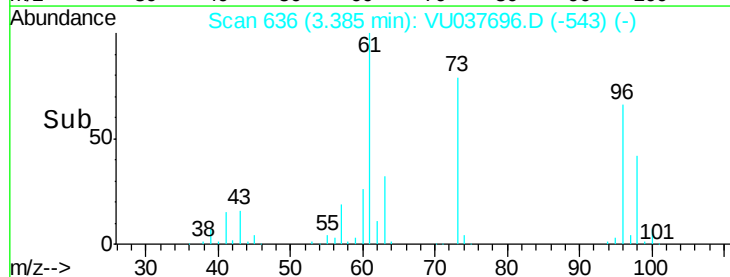
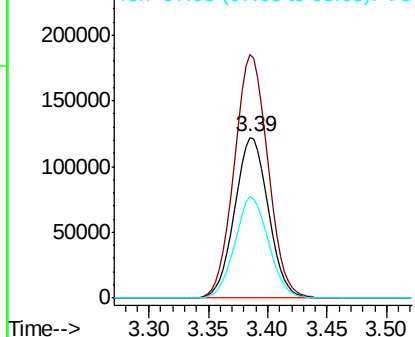
#18

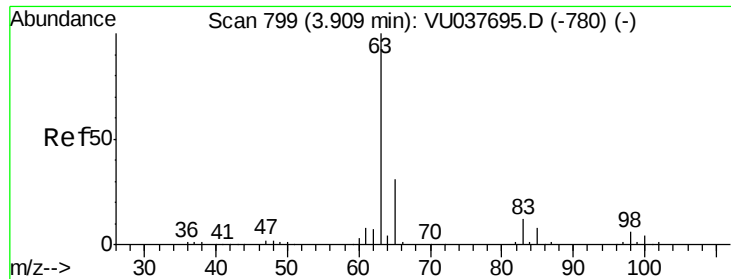
trans-1,2-Dichloroethene
 Concen: 10.333 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 96 Resp: 239851
 Ion Ratio Lower Upper
 96 100
 61 151.7 106.7 198.3
 98 63.4 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

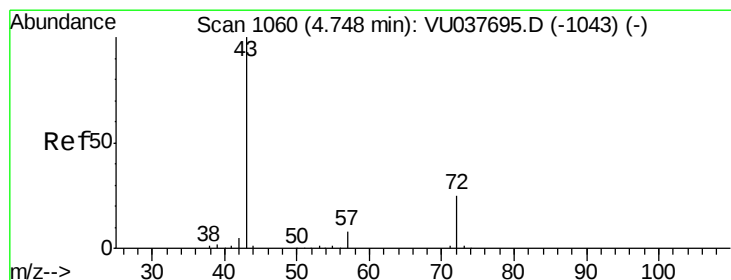
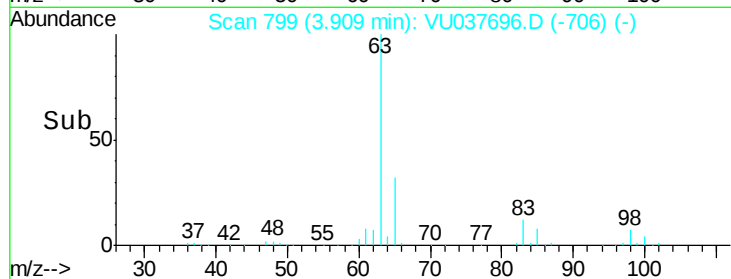
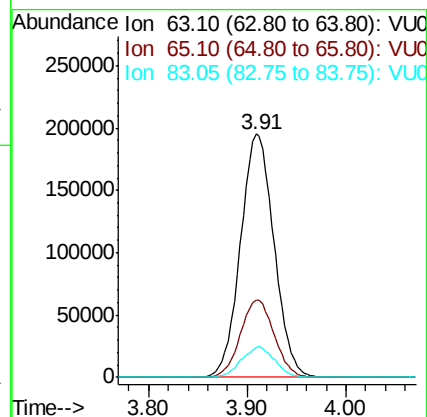
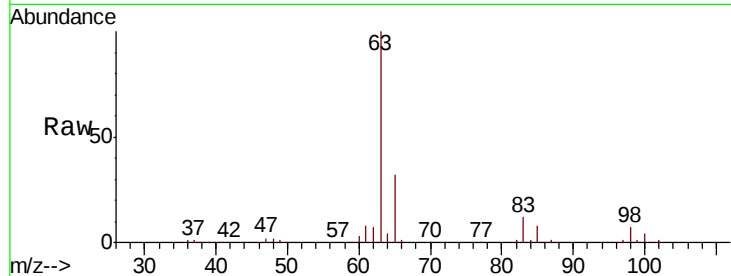




#19
 1,1-Dichloroethane
 Concen: 10.498 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

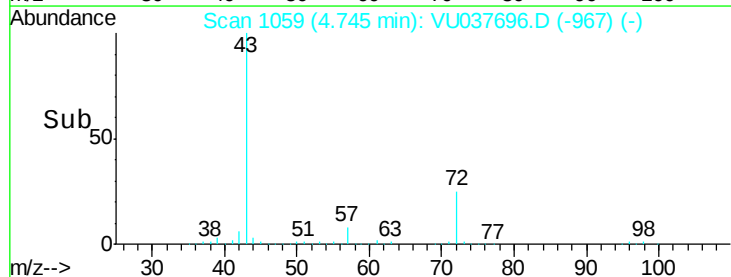
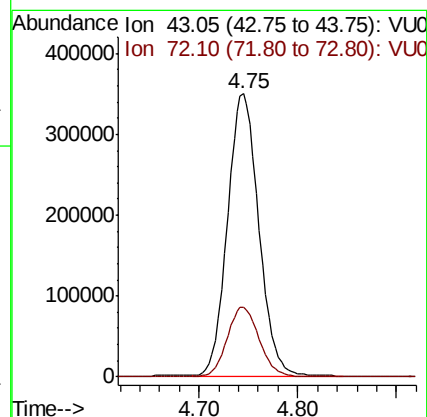
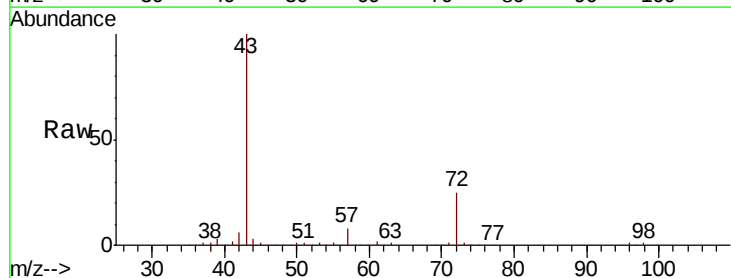
Instrument :
 MSVOA_U
 ClientSampled :

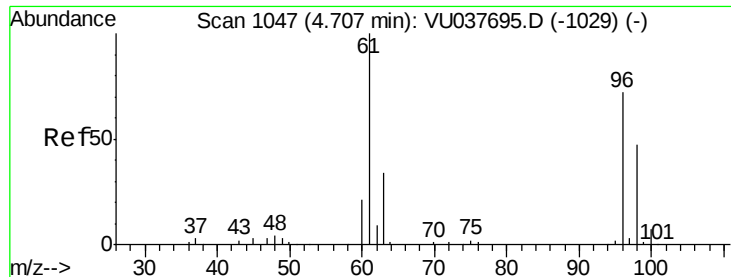
Tot Ion: 63 Resp: 459706
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.2
 83 12.4 8.6 16.0



#21
 2-Butanone
 Concen: 104.320 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 43 Resp: 771922
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.6 37.6

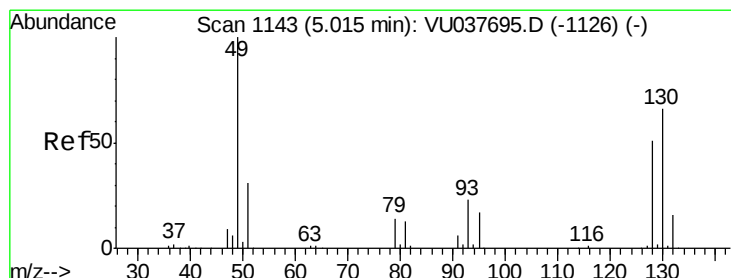
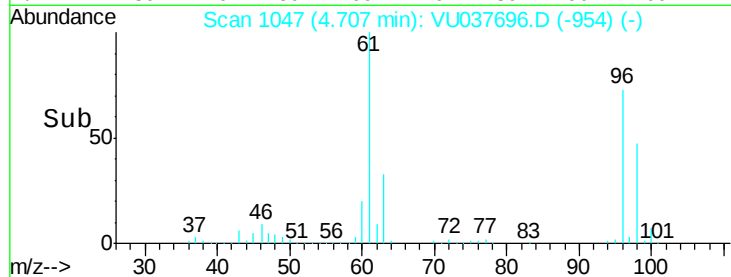
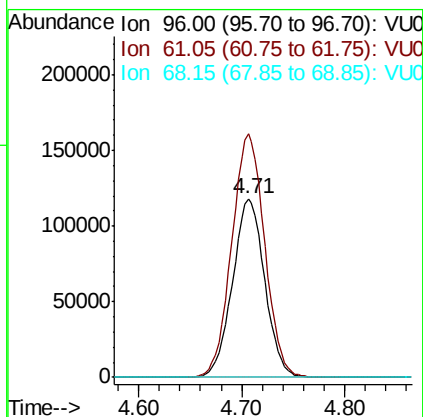
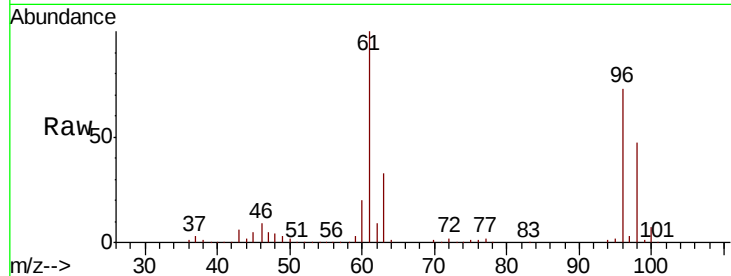




#22
 cis-1,2-Dichloroethene
 Concen: 10.163 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

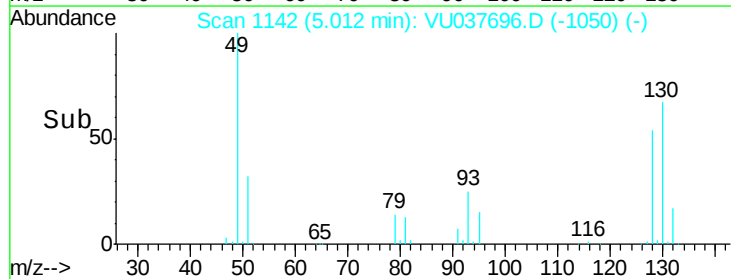
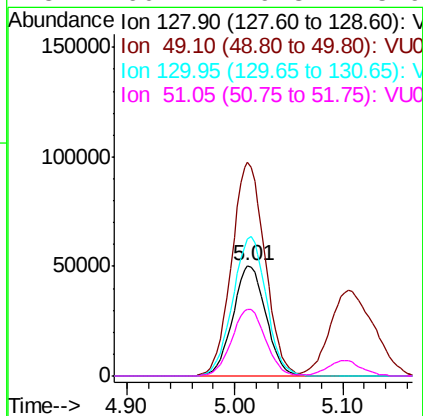
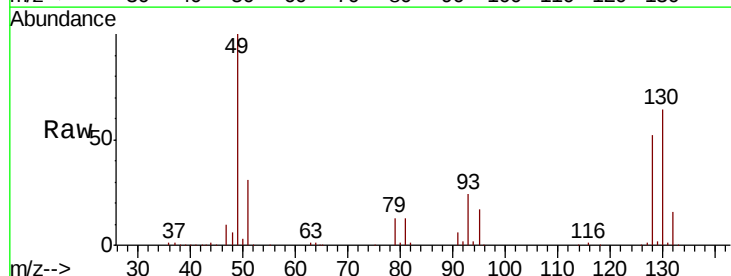
Instrument :
 MSVOA_U
 ClientSampleId :

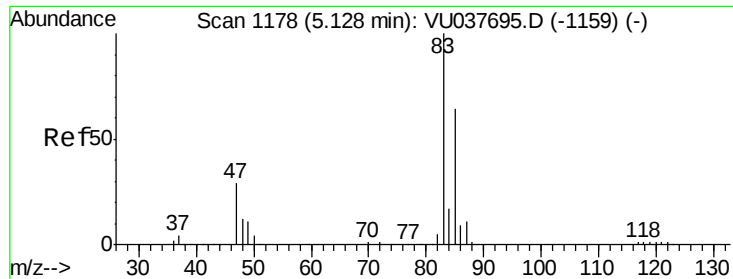
Tot Ion: 96 Resp: 256558
 Ion Ratio Lower Upper
 96 100
 61 136.3 97.0 180.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 9.822 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 128 Resp: 107741
 Ion Ratio Lower Upper
 128 100
 49 192.9 138.6 257.4
 130 123.7 91.3 169.5
 51 60.2 49.3 73.9

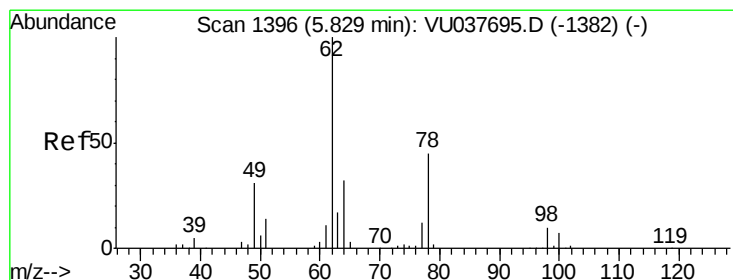
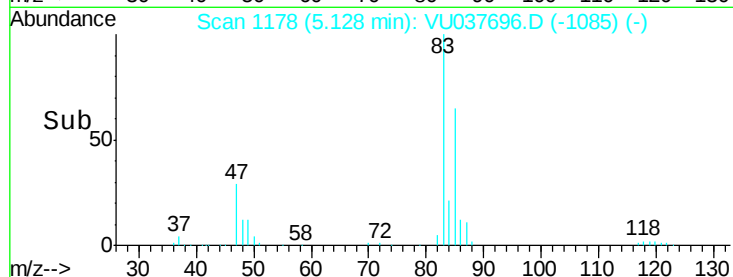
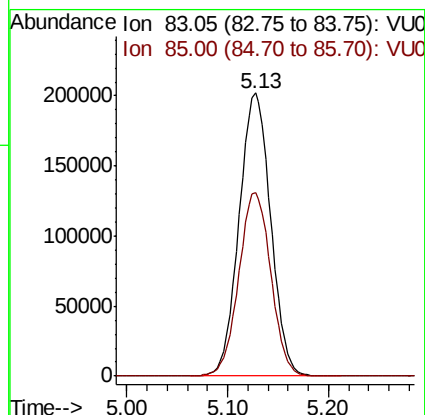
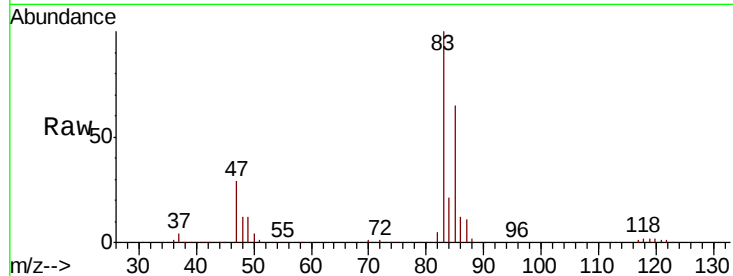




#25
Chloroform
Concen: 9.848 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

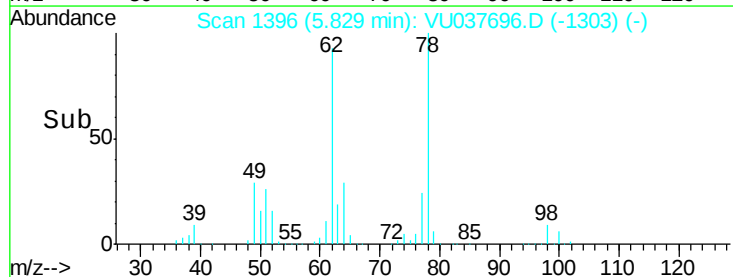
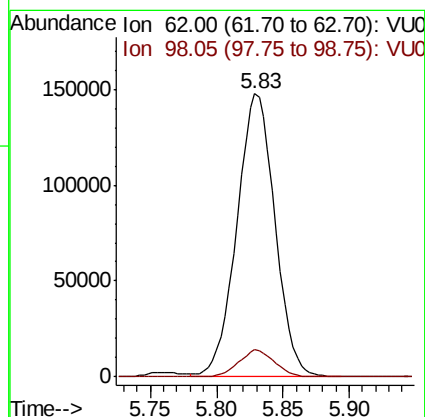
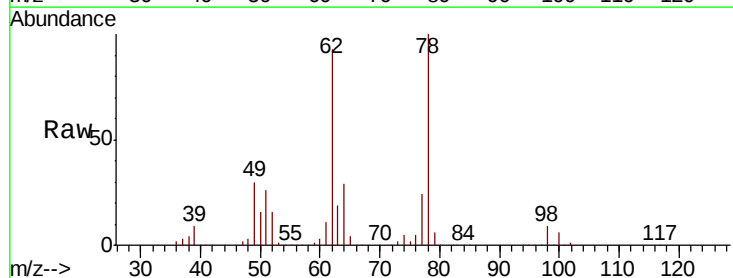
Instrument :
MSVOA_U
ClientSampleId :

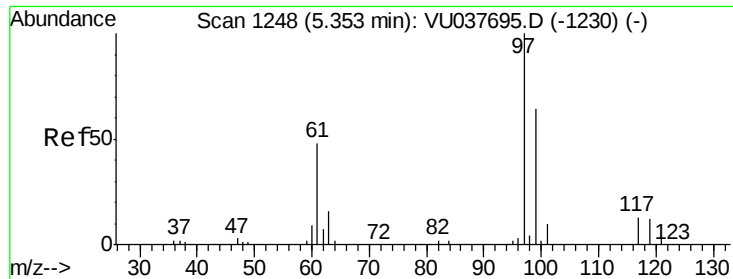
Tot Ion: 83 Resp: 437884
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 10.201 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Tgt Ion: 62 Resp: 293208
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4

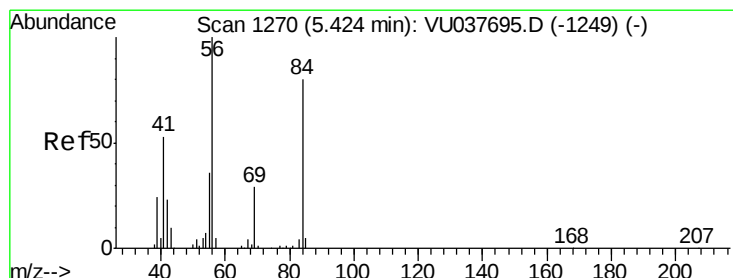
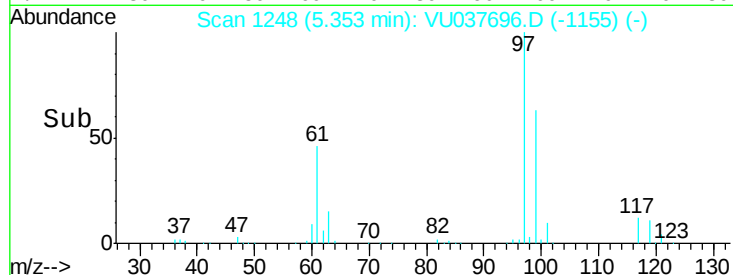
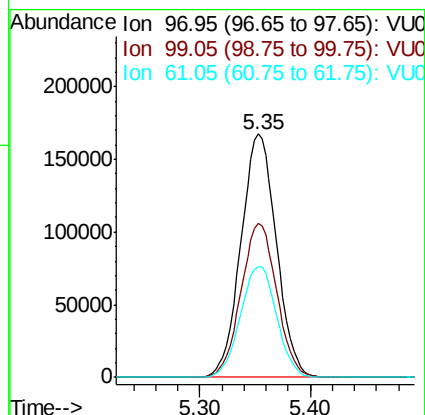
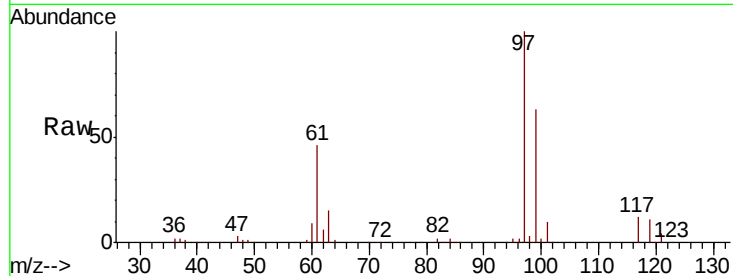




#29
 1,1,1-Trichloroethane
 Concen: 9.632 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

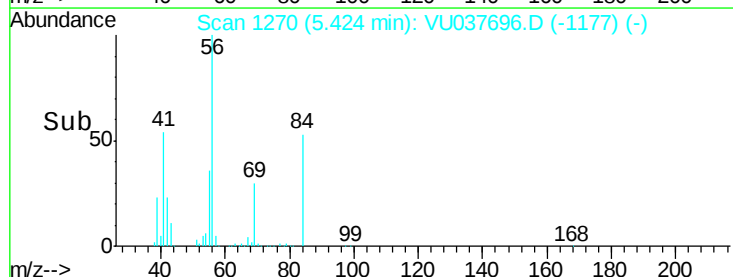
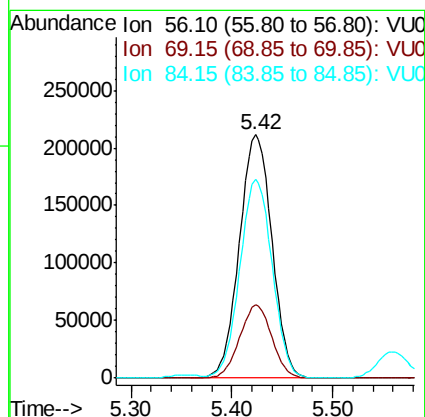
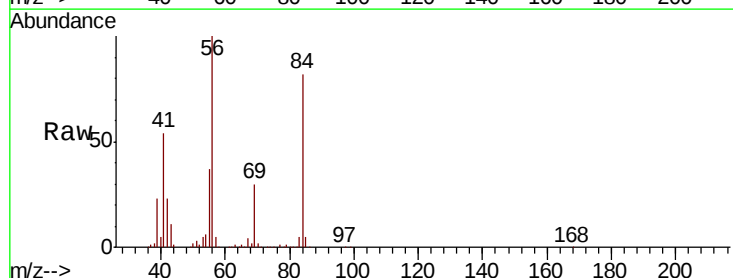
Instrument :
 MSVOA_U
 ClientSampleId :

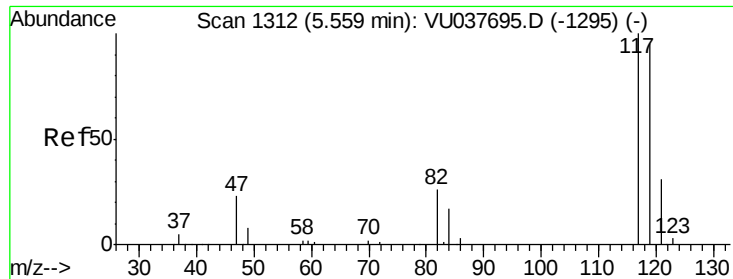
Tot Ion: 97 Resp: 372071
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 46.9 37.8 56.8



#30
 Cyclohexane
 Concen: 10.921 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 56 Resp: 473816
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.9 35.9
 84 81.2 65.6 98.4

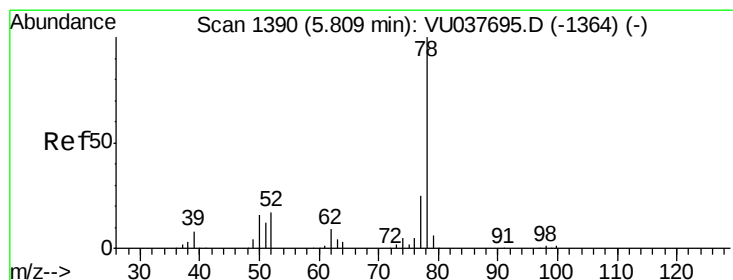
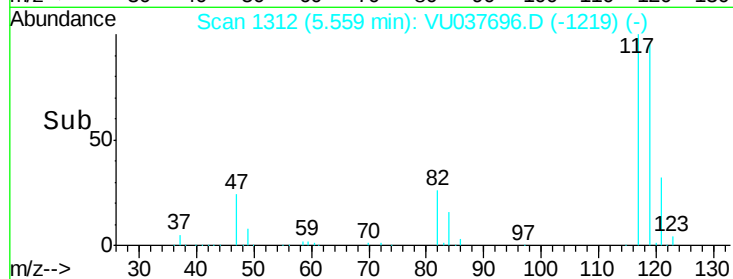
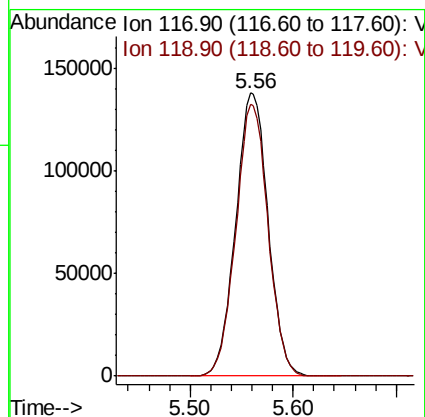
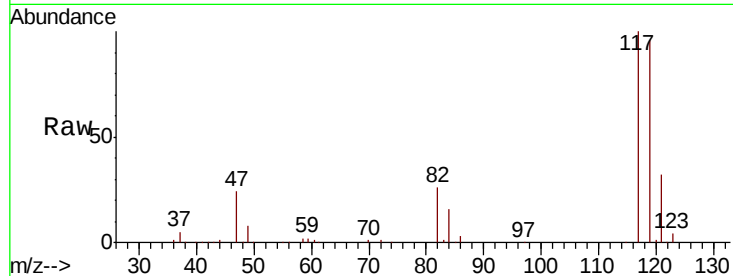




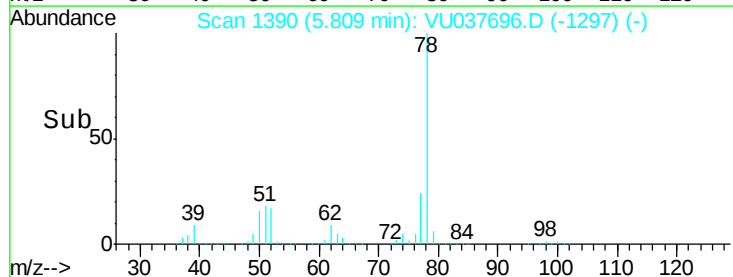
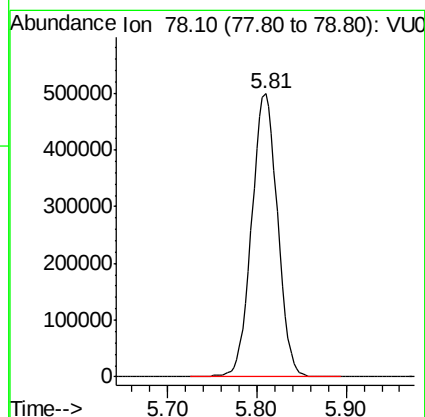
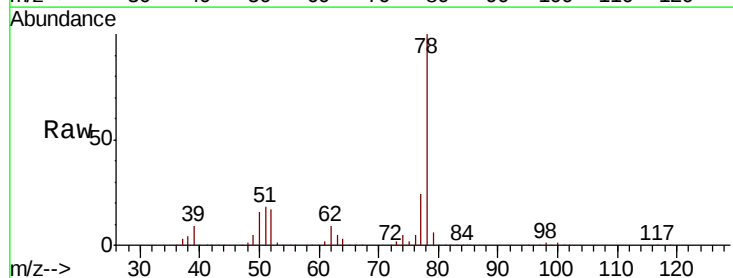
#31
Carbon tetrachloride
Concen: 9.683 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

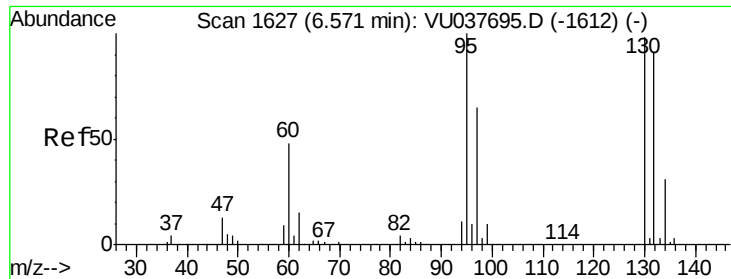
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 301819
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.0



#33
Benzene
Concen: 10.356 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27
Tgt Ion: 78 Resp: 1004471

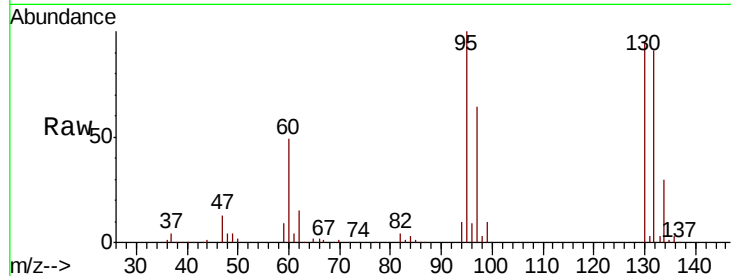




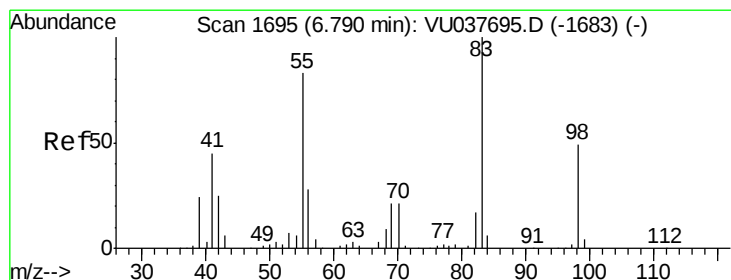
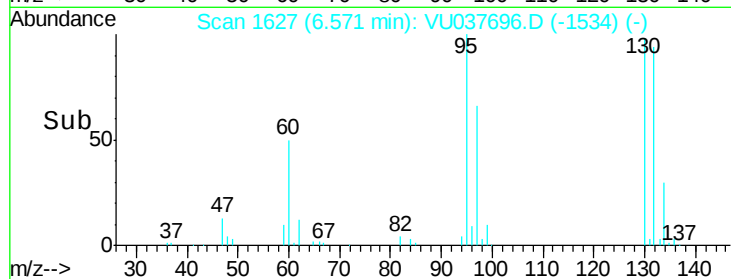
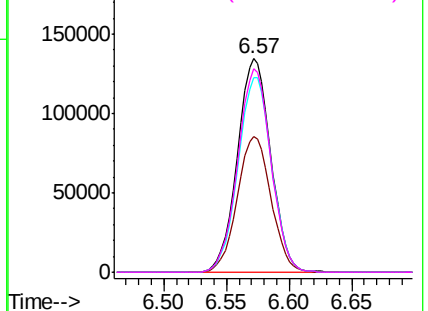
#34
 Trichloroethene
 Concen: 9.795 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 248790
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.4 84.2
 132 91.2 63.7 118.3
 130 95.2 68.7 127.5

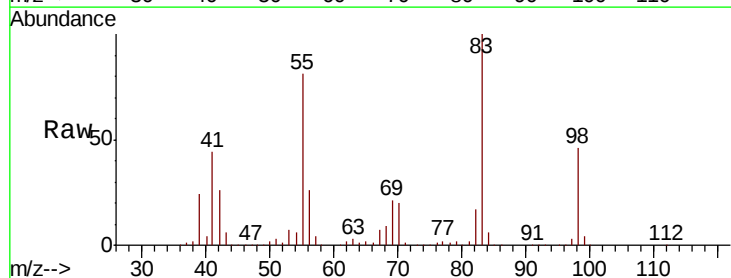


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

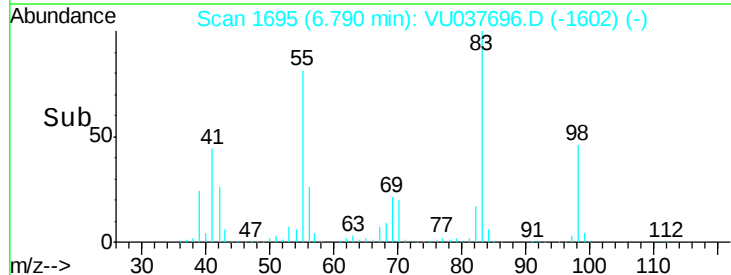
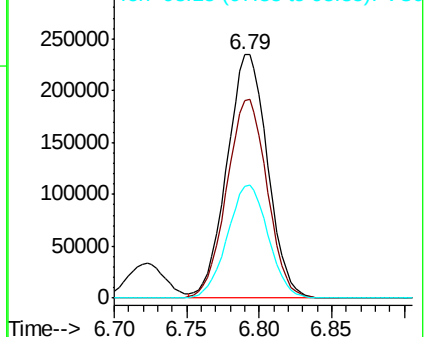


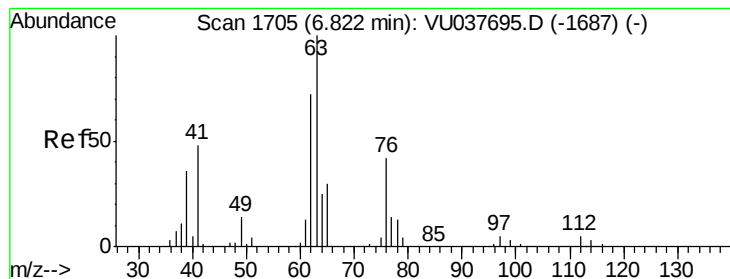
#35
 Methylcyclohexane
 Concen: 10.630 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 83 Resp: 455474
 Ion Ratio Lower Upper
 83 100
 55 81.1 65.5 98.3
 98 46.5 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: 10.250 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

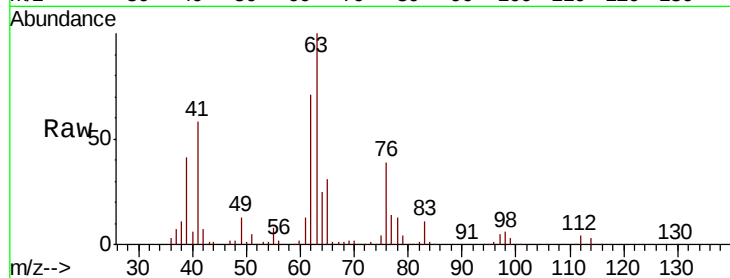
ClientSampleId :

Tot Ion: 63 Resp: 267049

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037696.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037696.D (-1612) (-)

6.82

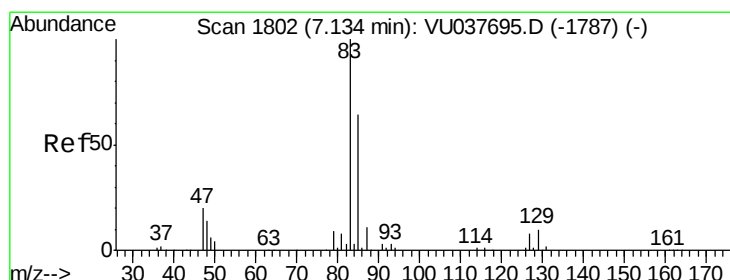
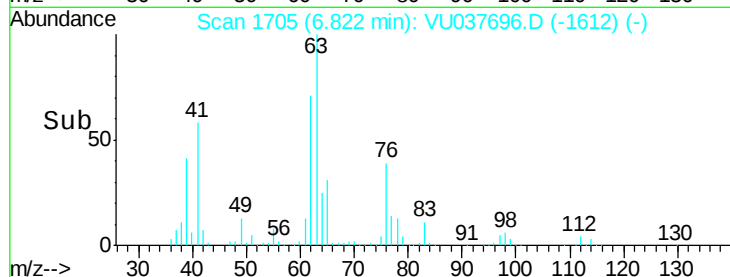
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 9.524 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

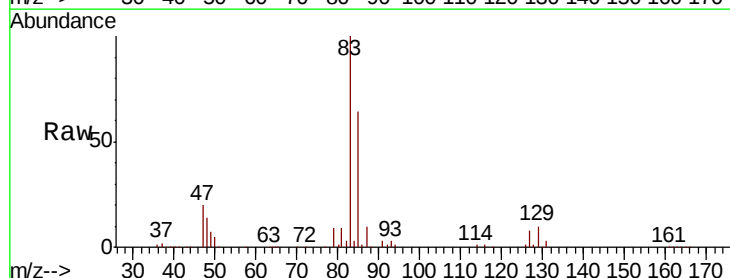
Tgt Ion: 83 Resp: 314640

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

127 7.8 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037696.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037696.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037696.D (-1709) (-)

7.13

200000

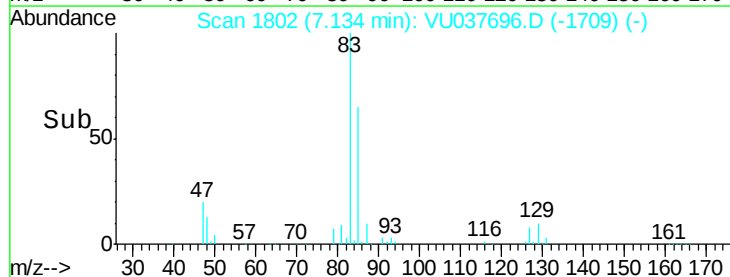
150000

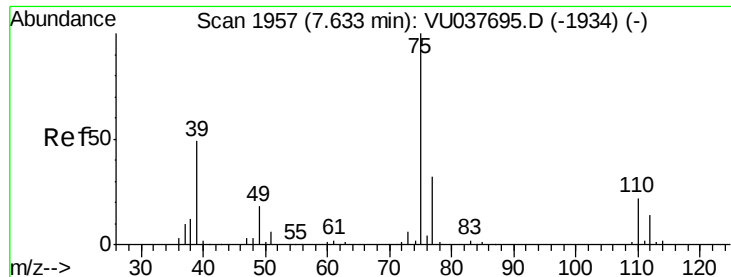
100000

50000

0

Time-->

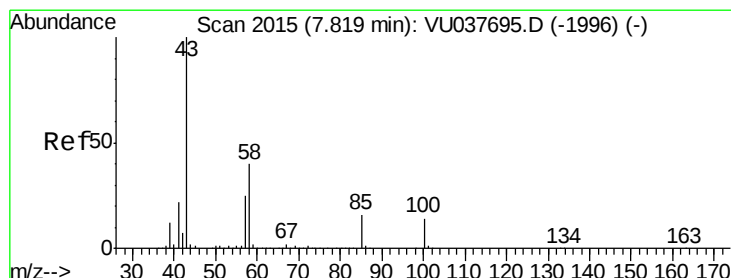
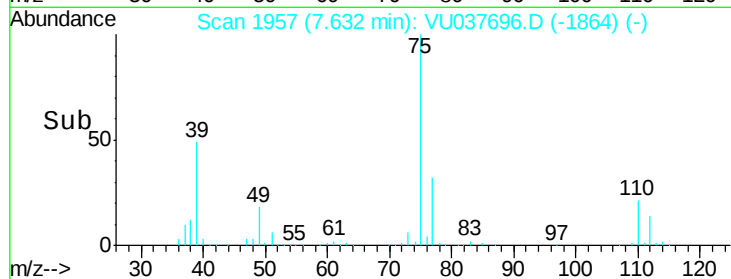
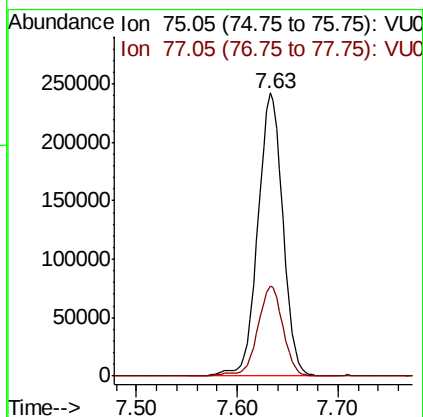
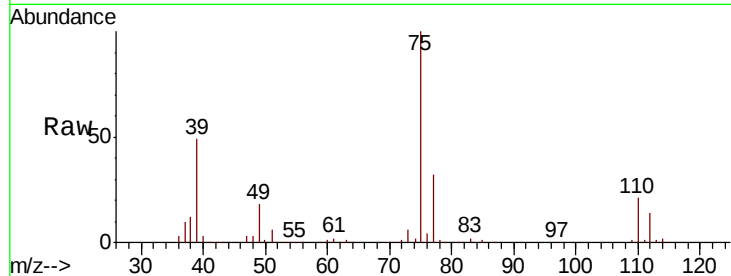




#39
 cis-1,3-Dichloropropene
 Concen: 10.306 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

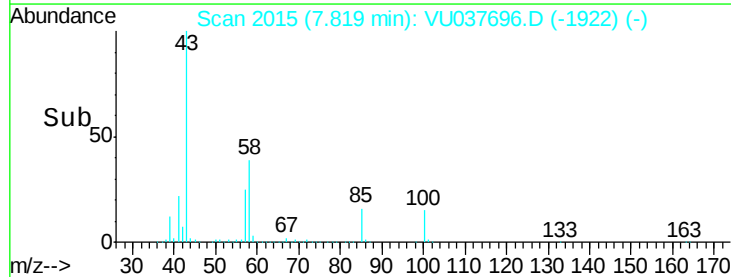
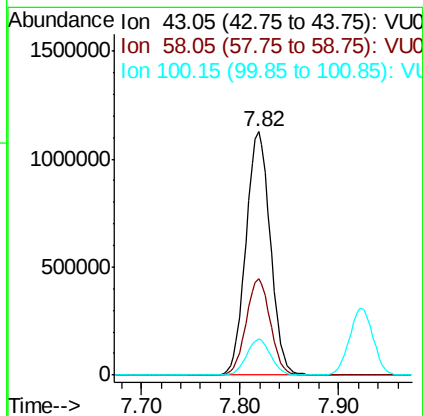
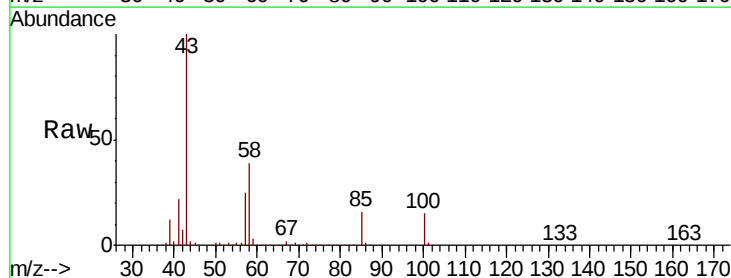
Instrument :
 MSVOA_U
 ClientSampled :

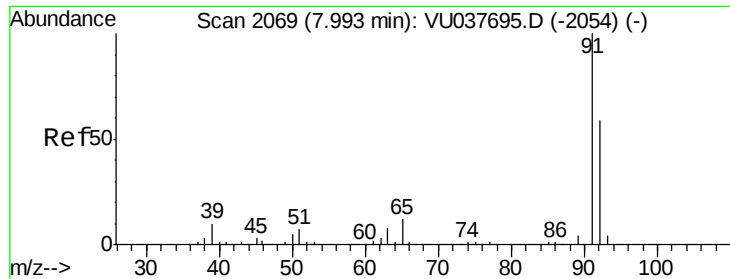
Tot Ion: 75 Resp: 415639
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 104.223 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion: 43 Resp: 1920506
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 14.6 11.5 17.3





#42

Toluene

Concen: 10.297 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

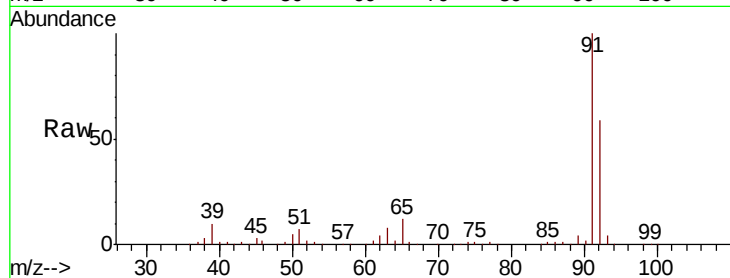
ClientSampleId :

Tot Ion: 91 Resp: 1059912

Ion Ratio Lower Upper

91 100

92 58.8 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

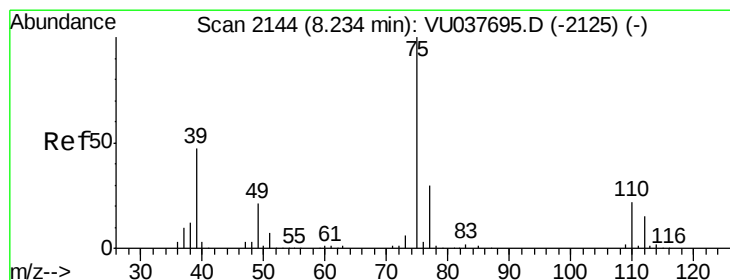
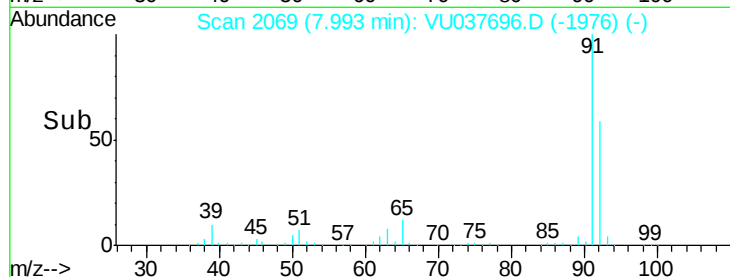
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.179 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037696.D

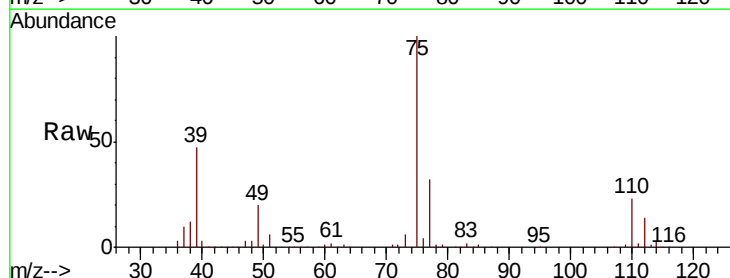
Acq: 14 Apr 2020 12:27

Tgt Ion: 75 Resp: 356570

Ion Ratio Lower Upper

75 100

77 31.8 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

250000

200000

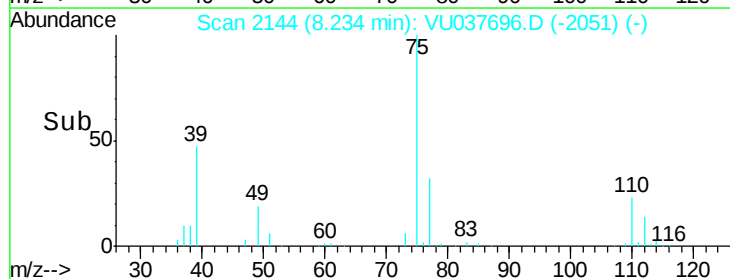
150000

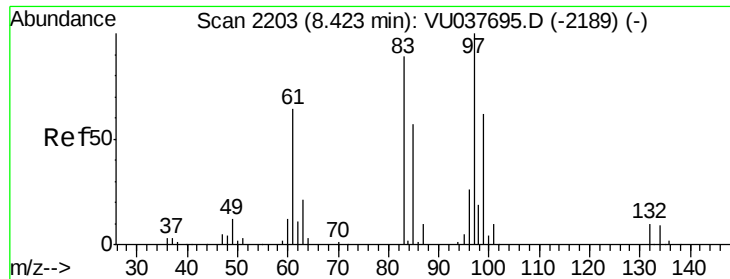
100000

50000

0

Time-->

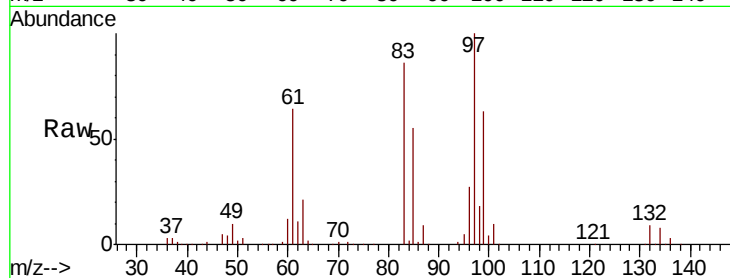




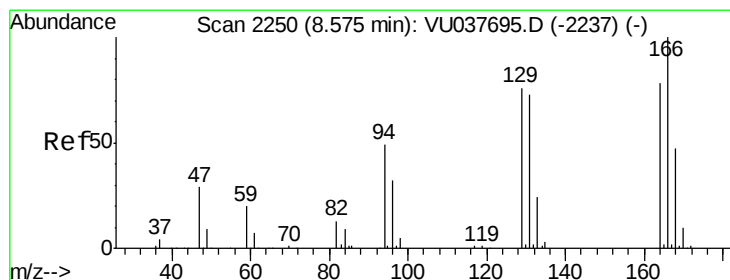
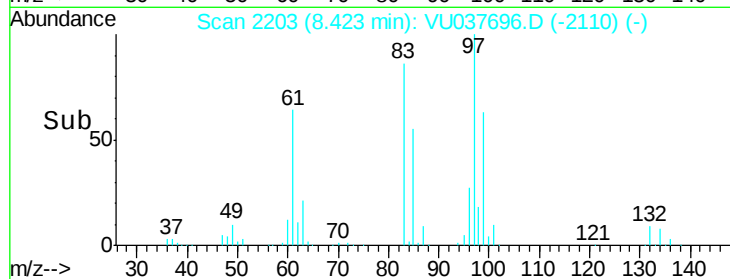
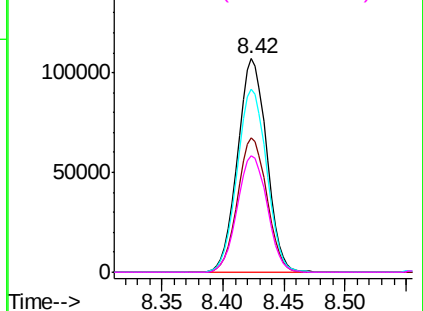
#45
 1,1,2-Trichloroethane
 Concen: 9.755 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	176580
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.1	80.1
83	86.0	62.4	116.0
85	54.7	39.6	73.6

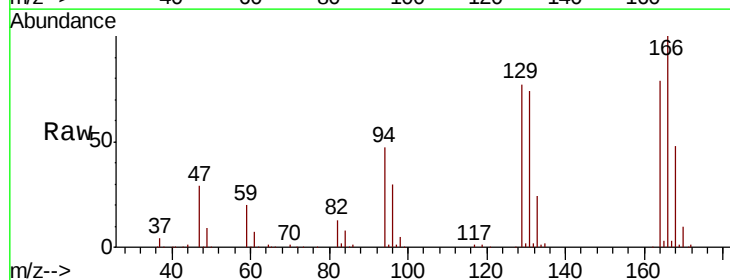


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

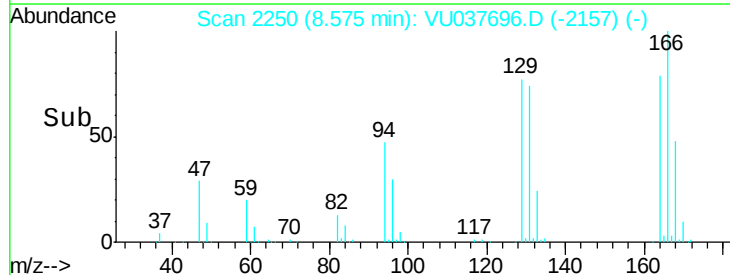
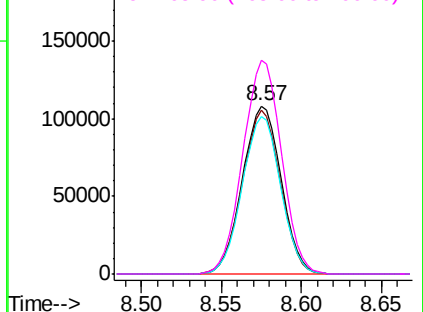


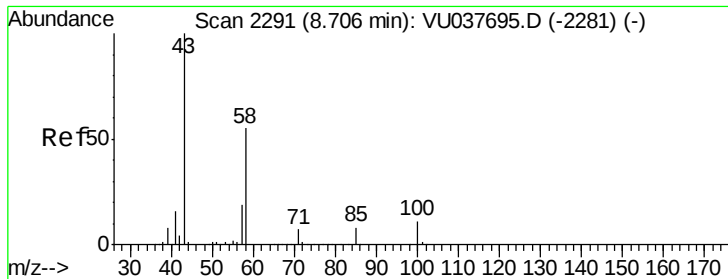
#47
 Tetrachloroethene
 Concen: 10.719 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion:	164	Resp:	179232
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.1	126.5
131	93.5	65.9	122.5
166	126.9	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

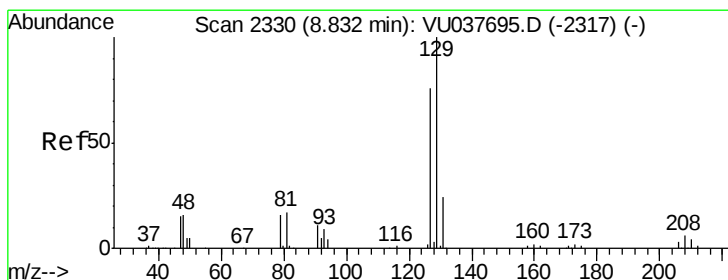
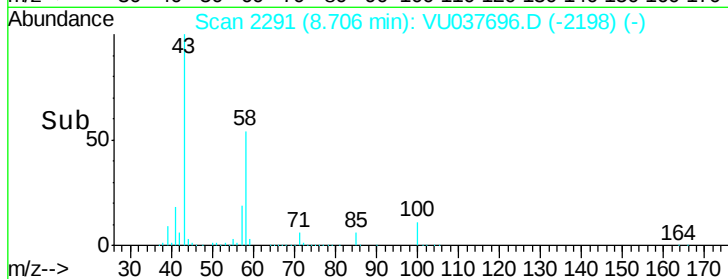
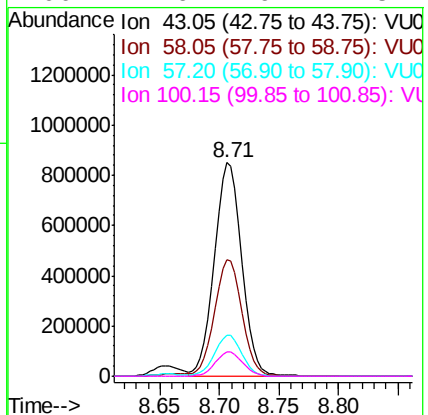
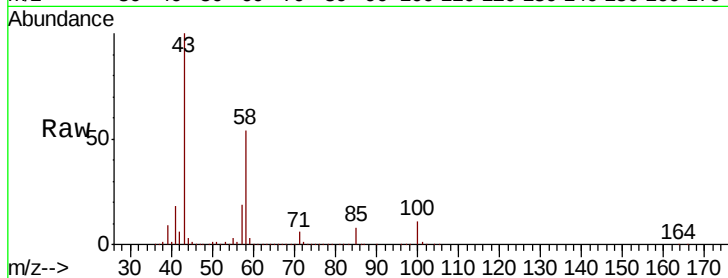




#48
2-Hexanone
Concen: 101.936 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

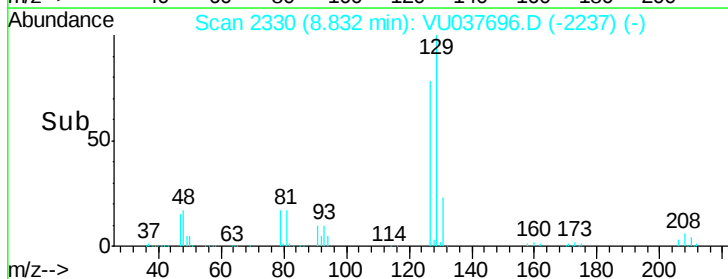
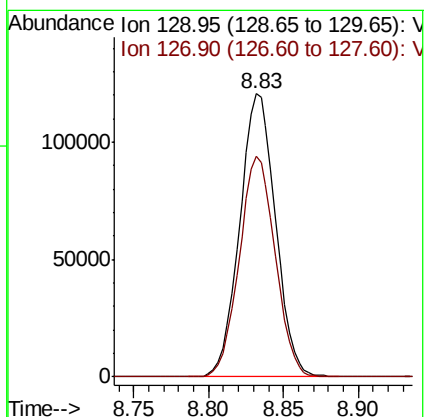
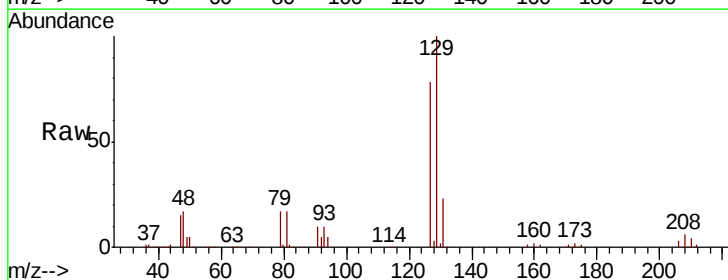
Instrument :
MSVOA_U
ClientSampleId :

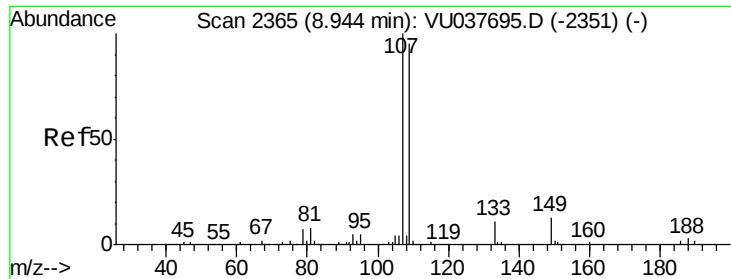
Tot Ion: 43 Resp: 1356597
Ion Ratio Lower Upper
43 100
58 55.0 43.6 65.4
57 19.3 15.4 23.0
100 11.6 9.1 13.7



#49
Dibromochloromethane
Concen: 9.365 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Tgt Ion: 129 Resp: 200653
Ion Ratio Lower Upper
129 100
127 78.1 53.3 98.9

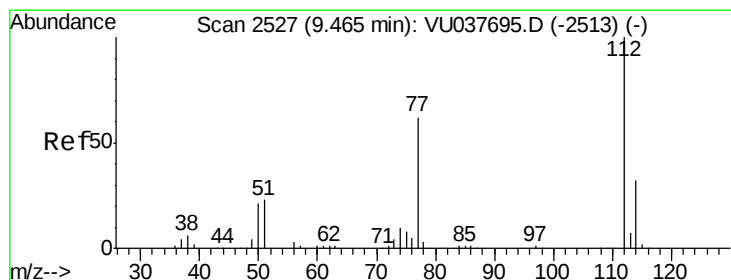
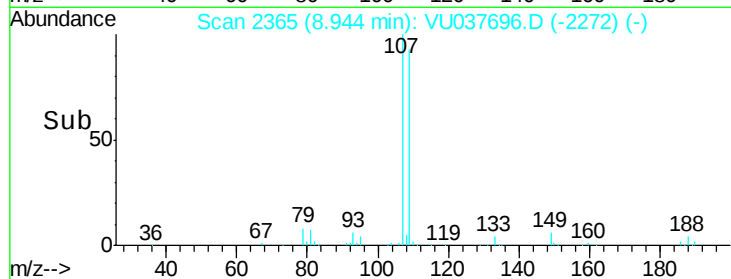
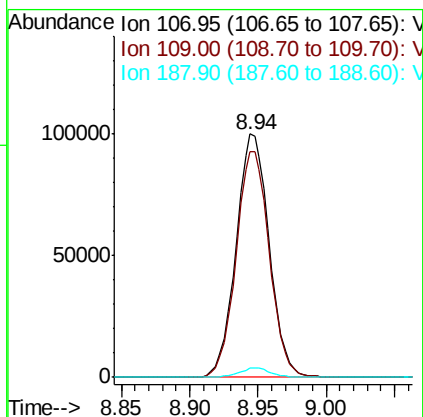
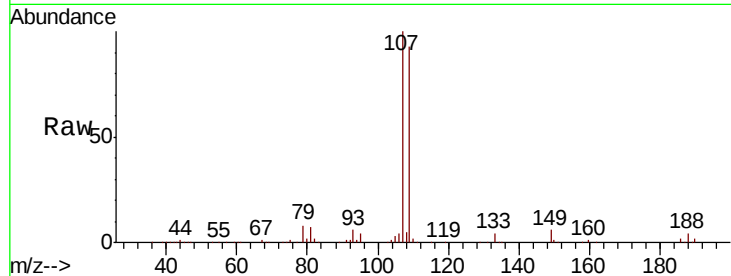




#50
 1,2-Dibromoethane
 Concen: 9.567 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

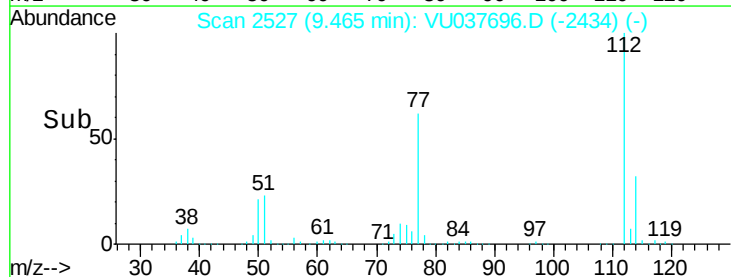
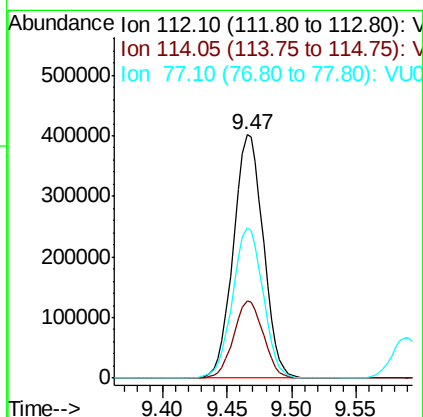
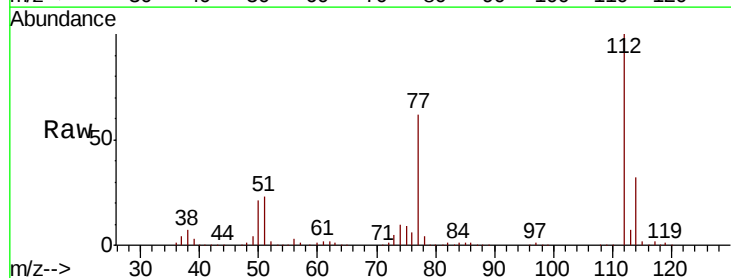
Instrument :
 MSVOA_U
 ClientSampleId :

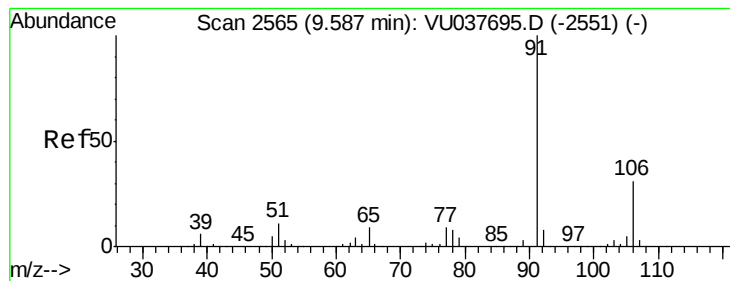
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.3	123.1
188	3.6	2.5	3.7



#51
 Chlorobenzene
 Concen: 10.233 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.6	42.0
77	61.9	50.2	75.4





#52

Ethylbenzene

Concen: 10.207 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

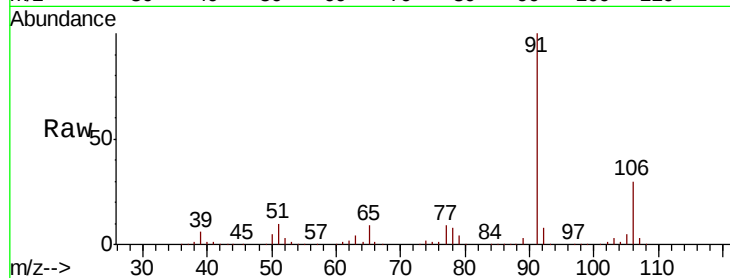
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1192156

Ion Ratio Lower Upper

91 100

106 30.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037696.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU037696.D (-2551) (-)

9.59

800000

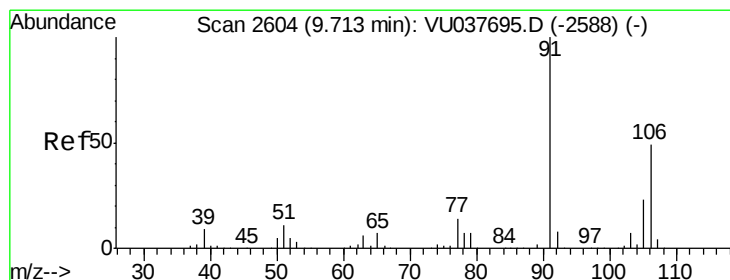
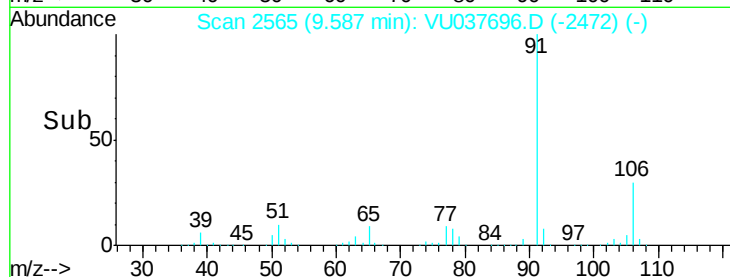
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 10.358 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037696.D

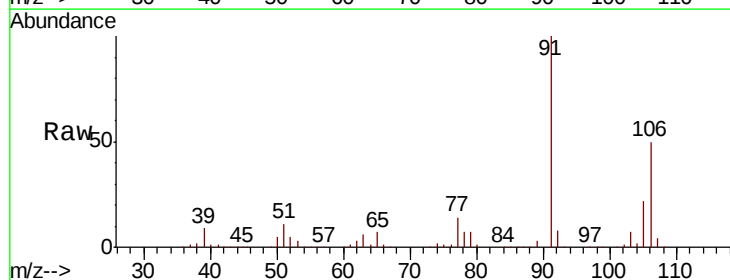
Acq: 14 Apr 2020 12:27

Tgt Ion:106 Resp: 455343

Ion Ratio Lower Upper

106 100

91 201.4 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037696.D (-2588) (-)

Ion 91.15 (90.85 to 91.85): VU037696.D (-2588) (-)

9.71

600000

500000

400000

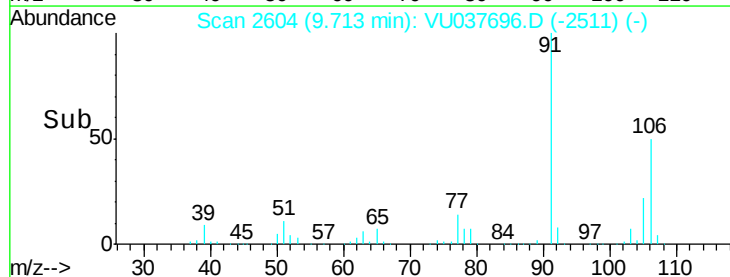
300000

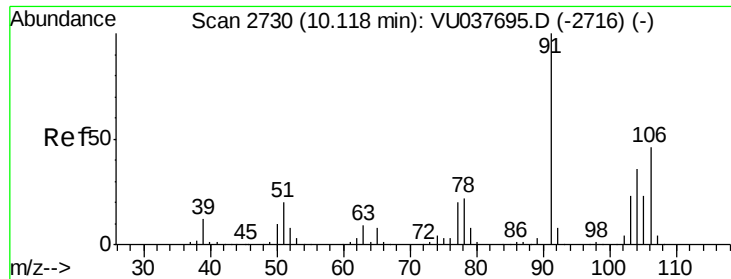
200000

100000

0

Time-->

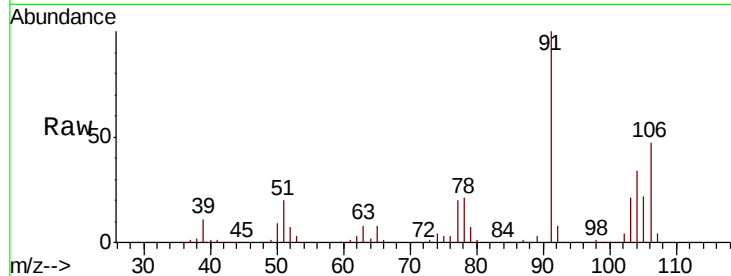




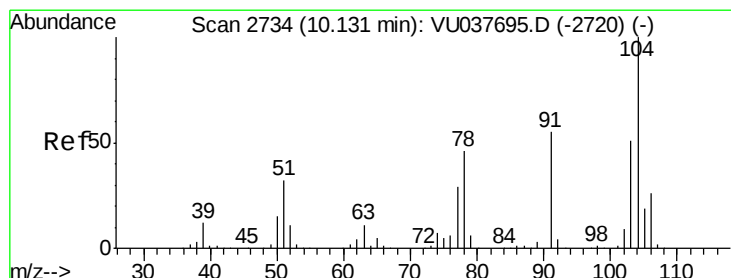
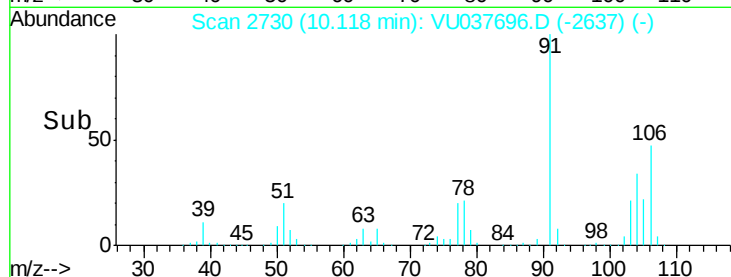
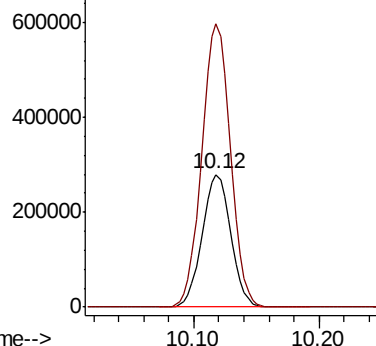
#54
o-Xylene
Concen: 10.438 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 441914
Ion Ratio Lower Upper
106 100
91 213.9 151.1 280.7

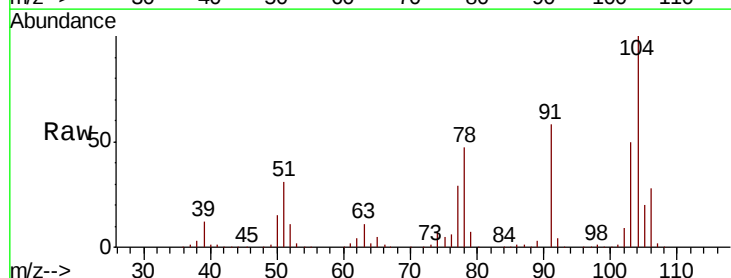


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

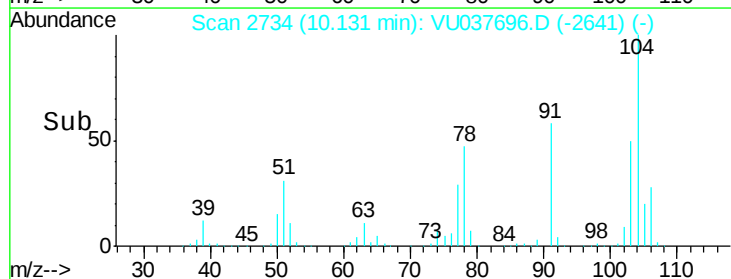
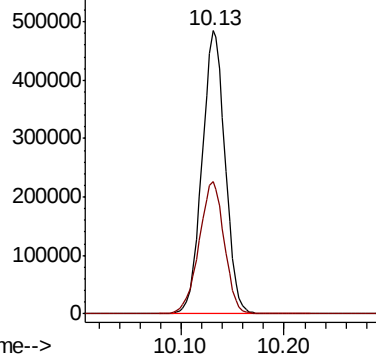


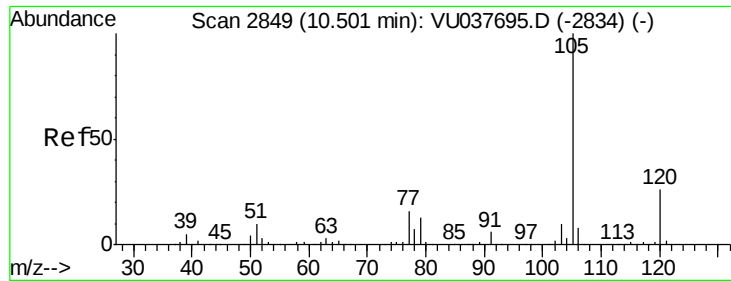
#55
Styrene
Concen: 10.335 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037696.D
Acq: 14 Apr 2020 12:27

Tgt Ion:104 Resp: 756037
Ion Ratio Lower Upper
104 100
78 46.9 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: 10.085 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

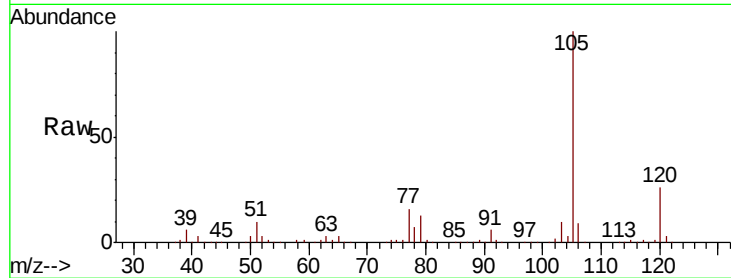
Tot Ion:105 Resp: 1163434

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

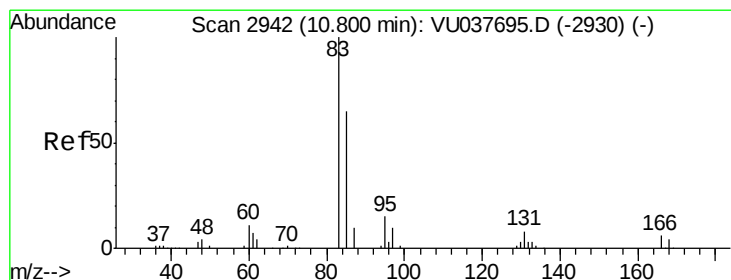
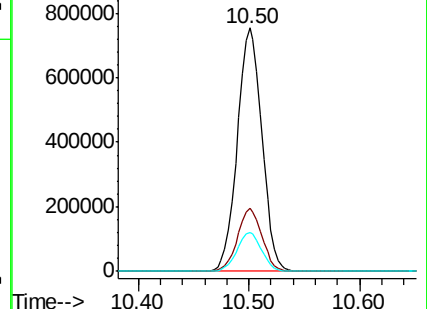
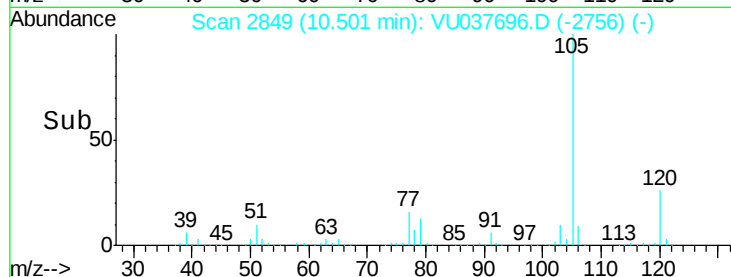
77 16.1 13.2 19.8



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: 9.516 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

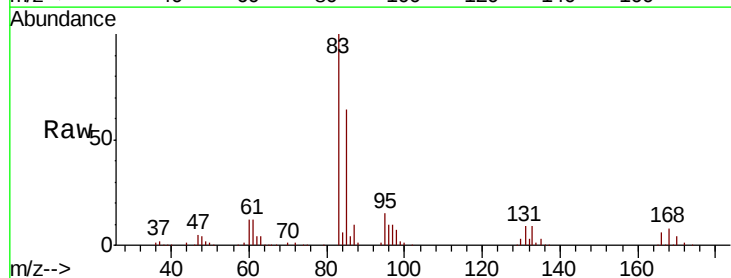
Tgt Ion: 83 Resp: 231262

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

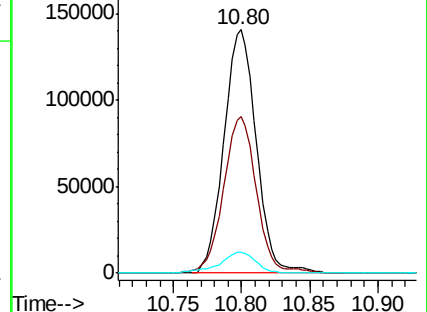
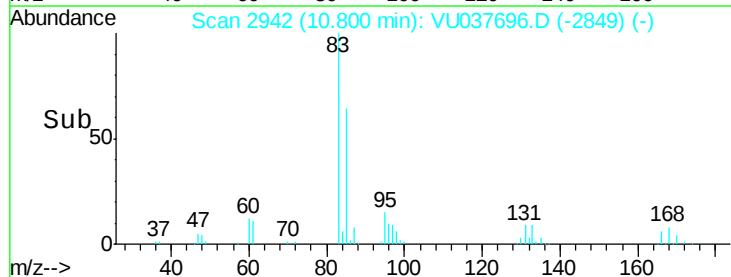
131 8.7 7.4 11.2

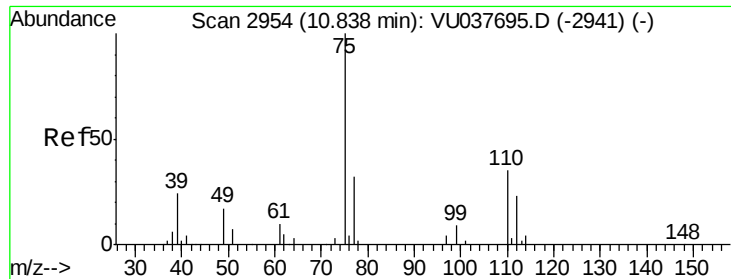


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.102 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

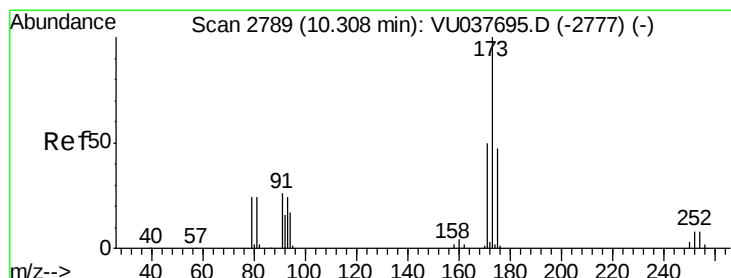
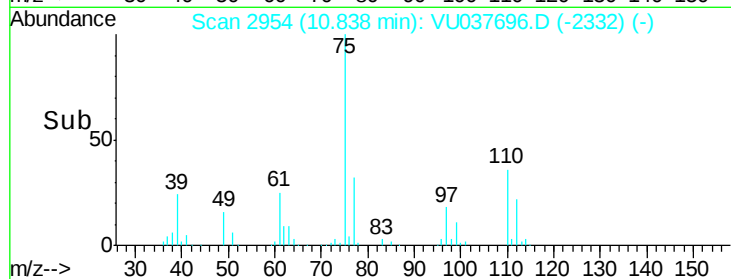
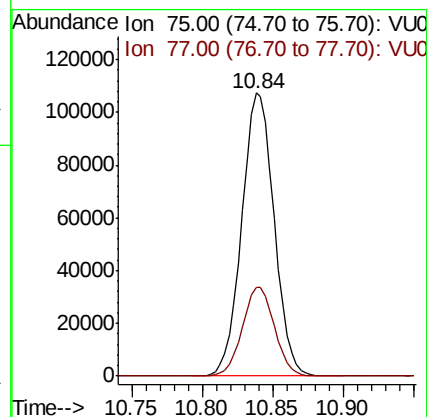
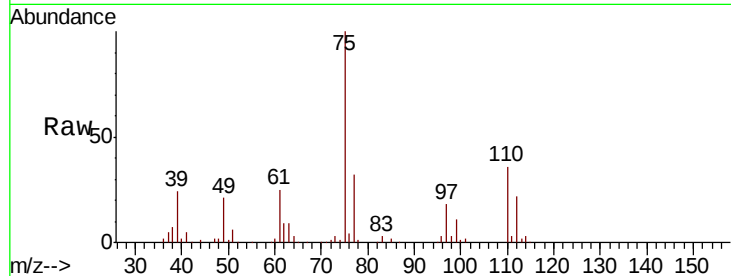
ClientSampleId :

Tot Ion: 75 Resp: 172331

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#61

Bromoform

Concen: 9.720 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

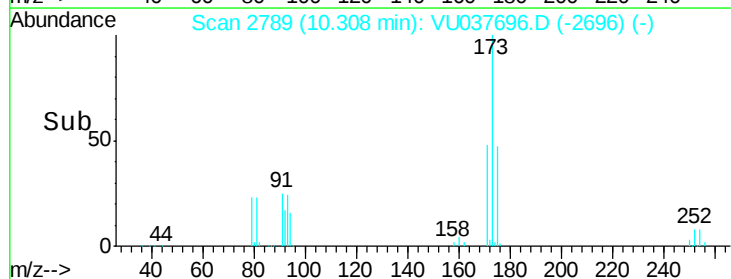
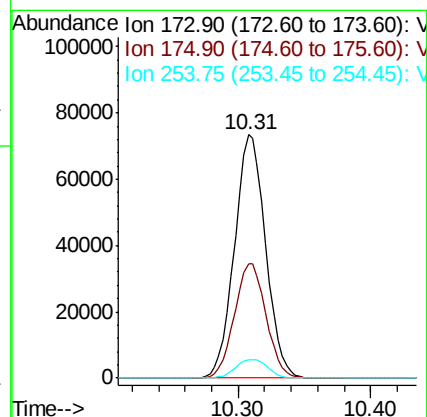
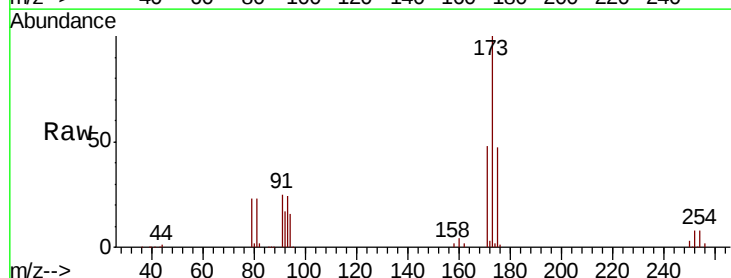
Tgt Ion: 173 Resp: 119405

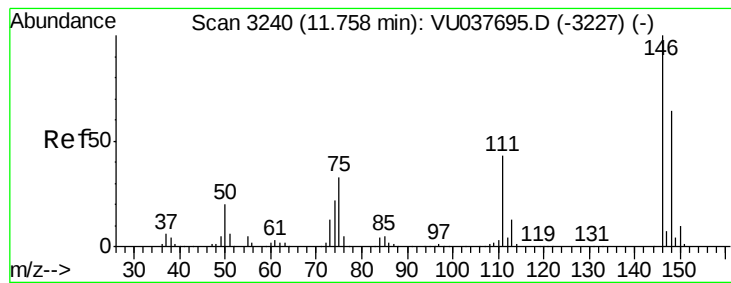
Ion Ratio Lower Upper

173 100

175 47.9 37.6 56.4

254 7.9 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 10.207 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

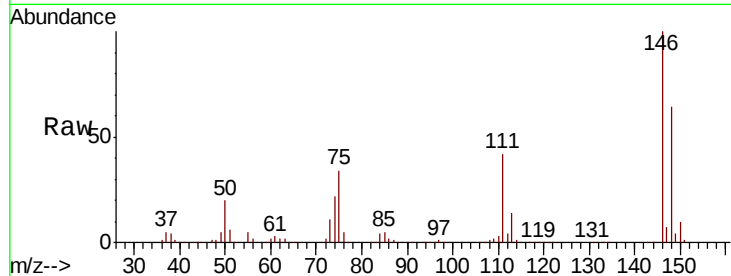
Tot Ion:146 Resp: 508009

Ion Ratio Lower Upper

146 100

111 42.0 29.8 55.3

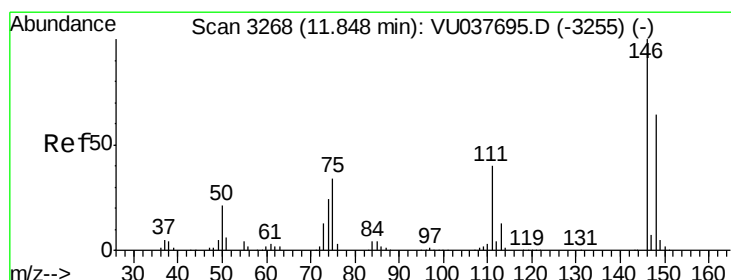
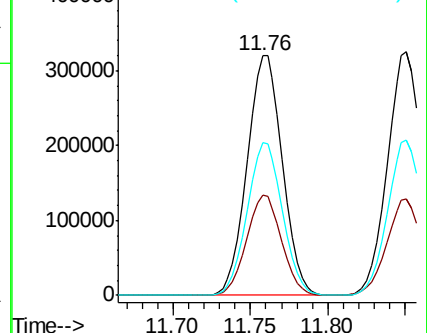
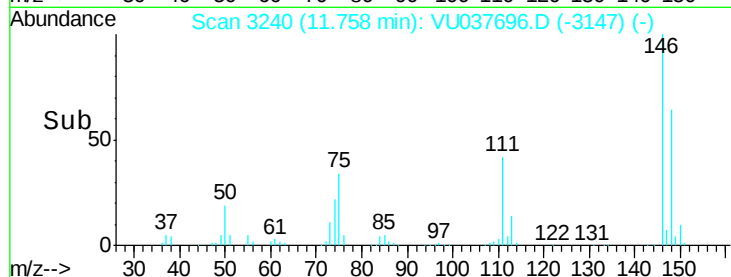
148 63.5 44.5 82.7



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: 10.040 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

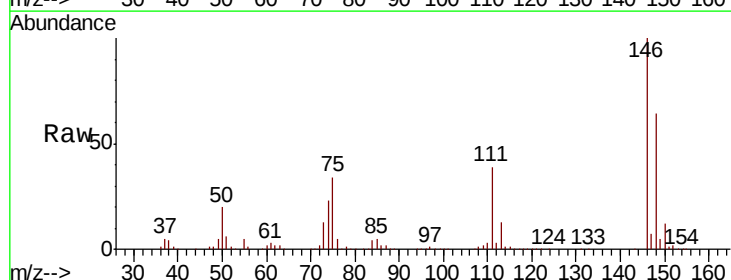
Tgt Ion:146 Resp: 508332

Ion Ratio Lower Upper

146 100

111 39.5 28.4 52.8

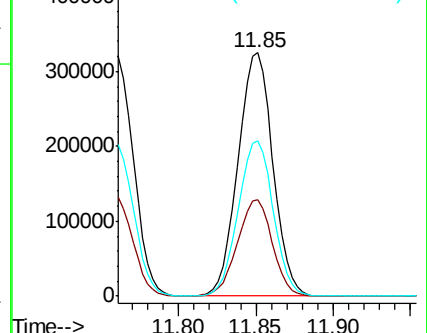
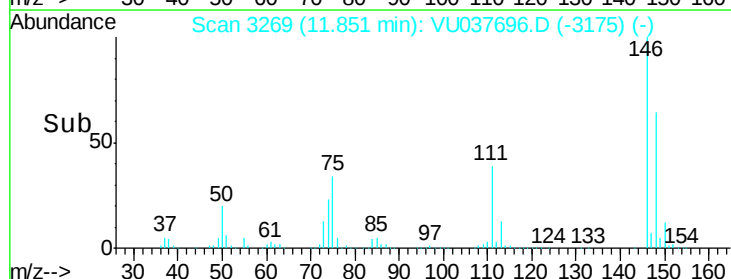
148 63.7 44.9 83.3

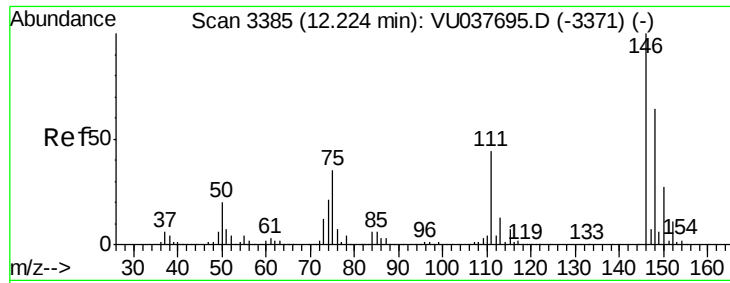


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.921 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

ClientSampleId :

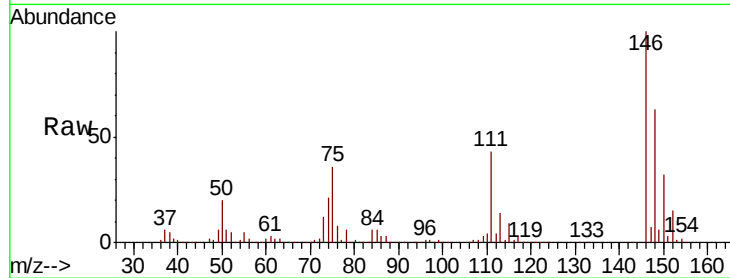
Tot Ion:146 Resp: 473175

Ion Ratio Lower Upper

146 100

111 42.6 35.0 52.6

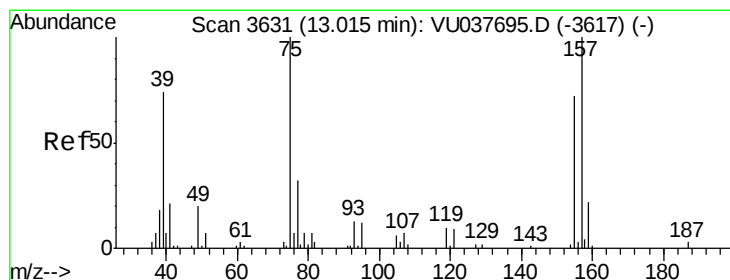
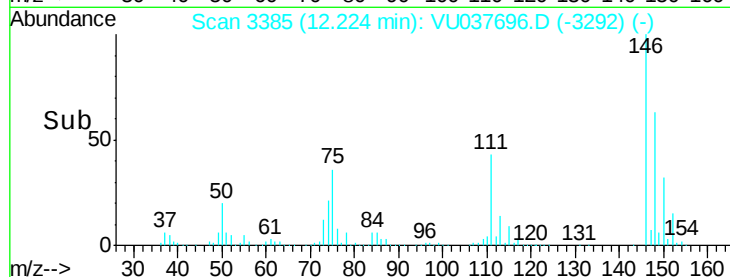
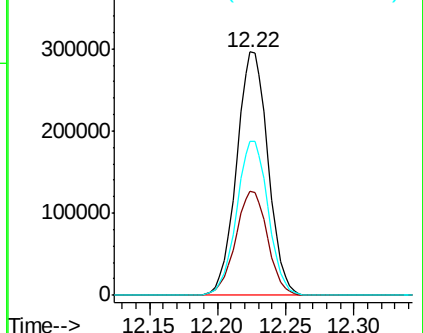
148 63.2 51.5 77.3



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: 9.173 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

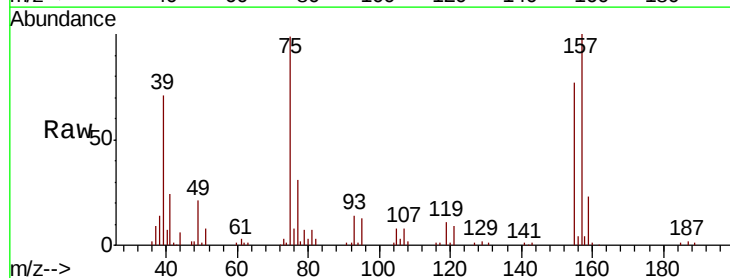
Tgt Ion: 75 Resp: 41728

Ion Ratio Lower Upper

75 100

155 78.3 57.9 86.9

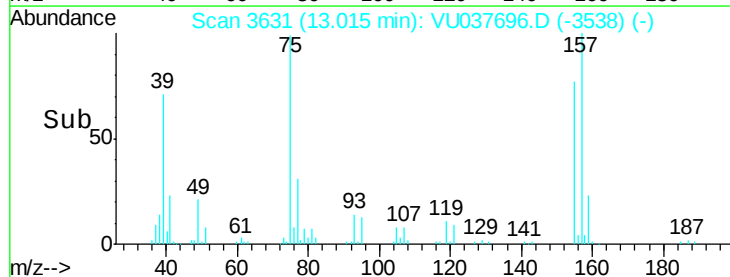
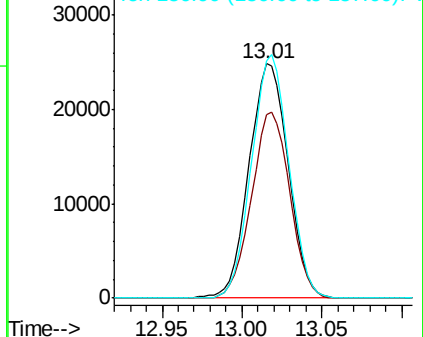
157 101.4 79.8 119.8

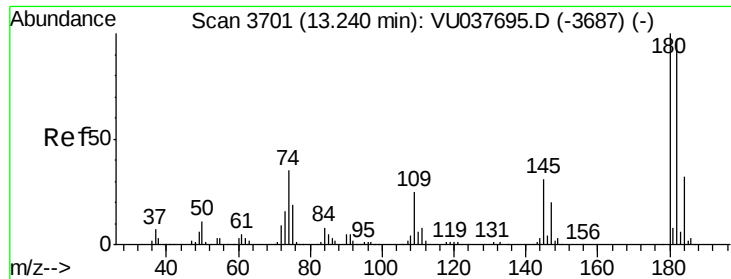


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

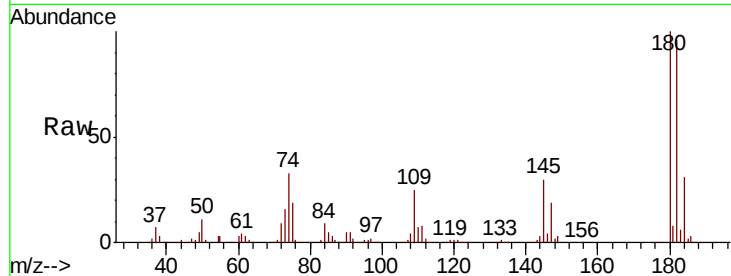




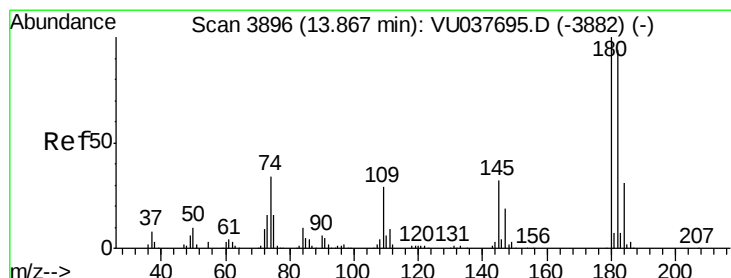
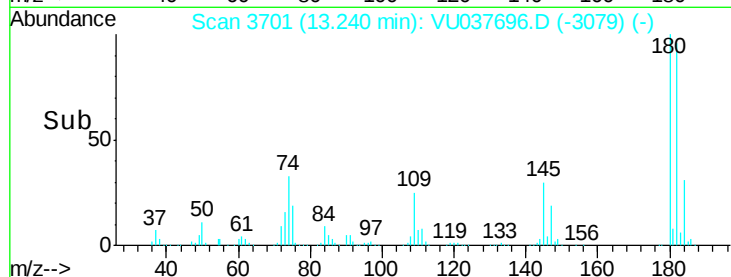
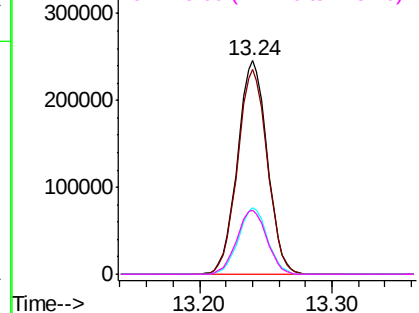
#67
 1,3,5-Trichlorobenzene
 Concen: 10.537 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	382689
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.1	115.7
184	30.3	24.7	37.1
145	30.1	24.6	37.0

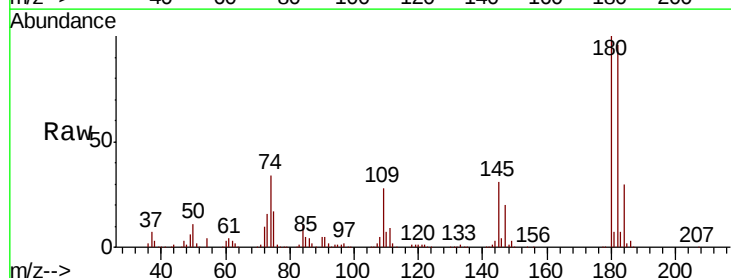


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

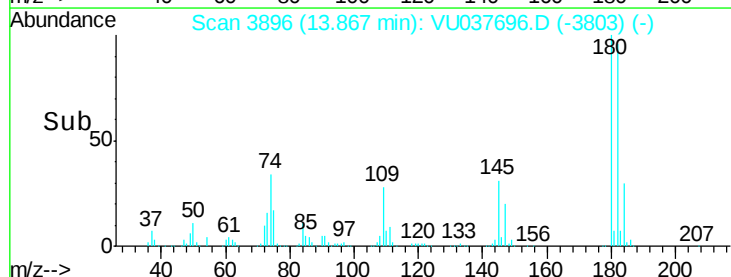
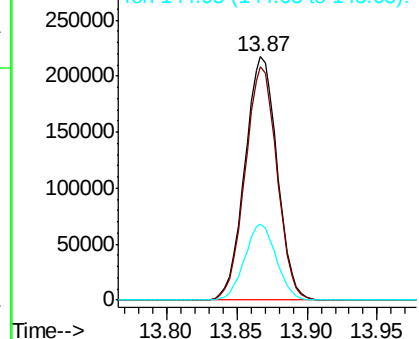


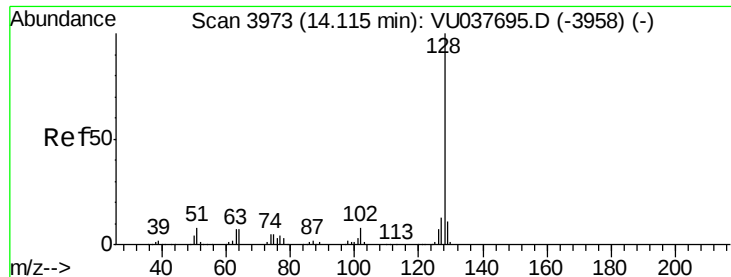
#68
 1,2,4-trichlorobenzene
 Concen: 10.337 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037696.D
 Acq: 14 Apr 2020 12:27

Tgt Ion:	180	Resp:	347650
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
145	30.6	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: 9.365 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

Instrument :

MSVOA_U

ClientSampled :

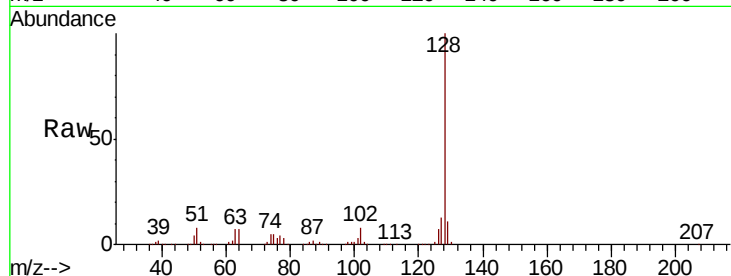
Tot Ion:128 Resp: 688921

Ion Ratio Lower Upper

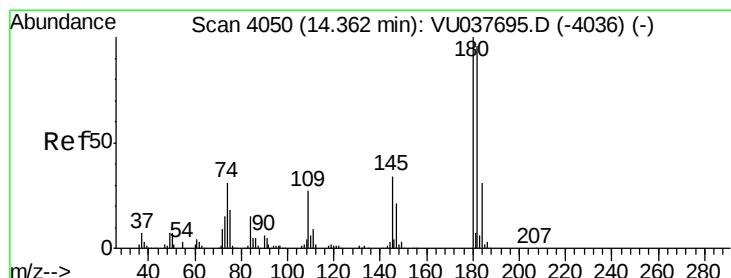
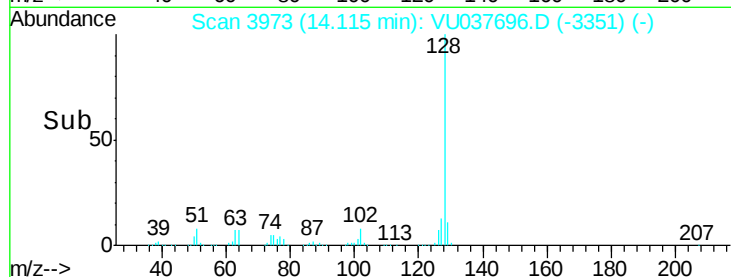
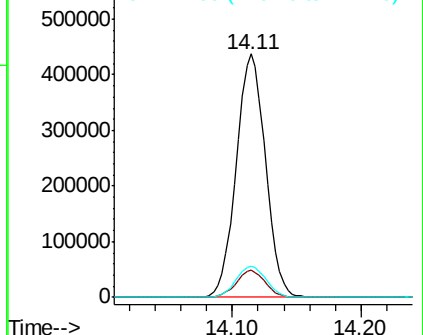
128 100

129 10.9 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: 10.433 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037696.D

Acq: 14 Apr 2020 12:27

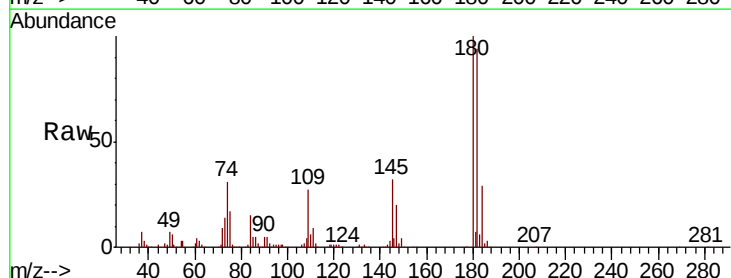
Tgt Ion:180 Resp: 312705

Ion Ratio Lower Upper

180 100

182 93.8 76.6 115.0

145 32.6 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

