

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037824.D
 Acq On : 21 Apr 2020 14:31
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 01:59:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 14:28:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	506361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	494925	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251661	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	228257	50.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.86%
7) Chloroethane-d5	1.93	69	188268	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.96%
11) 1,1-Dichloroethene-d2	2.59	63	370635	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
21) 2-Butanone-d5	4.66	46	353529	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	5.10	84	357888	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.74	65	248587	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
32) Benzene-d6	5.76	84	750501	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	6.72	67	250382	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.06%
41) Toluene-d8	7.92	98	686183	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	8.20	79	128803	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
47) 2-Hexanone-d5	8.66	63	267755	99.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.31%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	346477	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
64) 1,2-Dichlorobenzene-d4	12.21	152	257615	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	217048	48.618	ug/L 98
3) Chloromethane	1.54	50	226573	50.877	ug/L 100
5) Vinyl chloride	1.62	62	264226	50.667	ug/L 98
6) Bromomethane	1.87	94	111400	55.287	ug/L 100
8) Chloroethane	1.95	64	149795	48.915	ug/L 100
9) Trichlorofluoromethane	2.16	101	283724	49.194	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	161792	48.179	ug/L 99
12) 1,1-Dichloroethene	2.60	96	160600	48.506	ug/L 95
13) Acetone	2.65	43	202408	82.364	ug/L 100
14) Carbon disulfide	2.82	76	544500	49.307	ug/L 99
15) Methyl Acetate	2.98	43	248211	45.326	ug/L 99
16) Methylene chloride	3.08	84	190913	48.028	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	175075	47.914	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	621658	47.793	ug/L 100
19) 1,1-Dichloroethane	3.91	63	361252	47.615	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	194802	47.701	ug/L 99
22) 2-Butanone	4.74	43	364879	90.354	ug/L 98

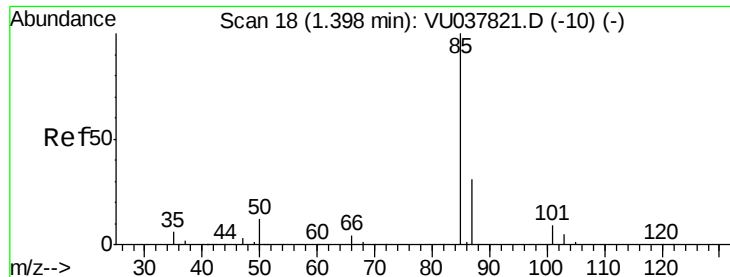
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037824.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 14:28:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96031	48.964	uq/L	97
25) Chloroform	5.13	83	340693	47.959	uq/L	99
27) 1,2-Dichloroethane	5.83	62	290373	47.415	uq/L	100
29) Cyclohexane	5.42	56	354401	47.655	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	290372	47.876	uq/L	99
31) Carbon tetrachloride	5.56	117	236346	48.438	uq/L	99
33) Benzene	5.81	78	777050	47.901	uq/L	100
34) Trichloroethene	6.57	95	187473	46.814	uq/L	97
35) Methylcyclohexane	6.79	83	335992	48.055	uq/L	99
37) 1,2-Dichloropropane	6.82	63	213985	46.700	uq/L	100
38) Bromodichloromethane	7.13	83	264589	47.982	uq/L	99
39) cis-1,3-Dichloropropene	7.64	75	340217	47.138	uq/L	100
40) 4-Methyl-2-pentanone	7.82	43	725087	92.762	uq/L	100
42) Toluene	8.00	91	823506	47.937	uq/L	98
44) trans-1,3-Dichloropropene	8.24	75	337312	48.625	uq/L	98
45) 1,1,2-Trichloroethane	8.43	97	186993	47.228	uq/L	99
46) Tetrachloroethene	8.58	164	138936	48.296	uq/L	98
48) 2-Hexanone	8.71	43	566389	91.339	uq/L	100
49) Dibromochloromethane	8.83	129	195830	47.509	uq/L	100
50) 1,2-Dibromoethane	8.95	107	201316	47.370	uq/L	99
51) Chlorobenzene	9.47	112	512022	47.728	uq/L	98
52) Ethylbenzene	9.59	91	921318	47.821	uq/L	100
53) m,p-Xylene	9.71	106	348057	47.639	uq/L	98
54) o-xylene	10.12	106	344271	48.491	uq/L	97
55) Styrene	10.13	104	589211	47.886	uq/L	99
56) Isopropylbenzene	10.50	105	906441	48.050	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	331833	47.036	uq/L	100
59) 1,2,3-Trichloropropane	10.84	75	281845	46.152	uq/L	99
61) Bromoform	10.31	173	147528	46.810	uq/L	97
62) 1,3-Dichlorobenzene	11.76	146	406249	47.725	uq/L	98
63) 1,4-Dichlorobenzene	11.85	146	407983	47.469	uq/L	100
65) 1,2-Dichlorobenzene	12.23	146	400581	47.702	uq/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	84978	46.302	uq/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	297762	48.186	uq/L	99
68) 1,2,4-trichlorobenzene	13.87	180	293430	49.918	uq/L	99
69) Naphthalene	14.12	128	1057595	51.078	uq/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	289728	49.530	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.618 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

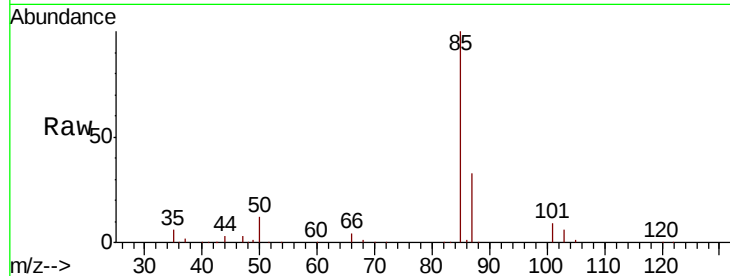
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 217048

Ion Ratio Lower Upper

85 100

87 32.4 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU037824.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037824.D (-10) (-)

1.40

200000

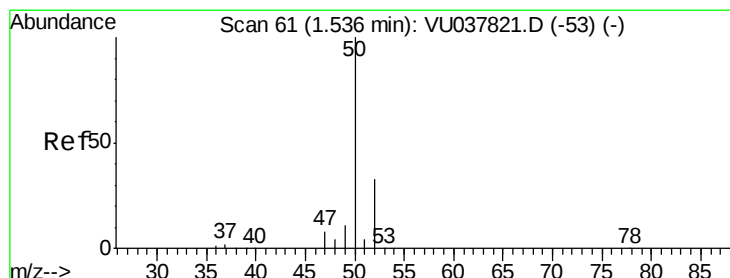
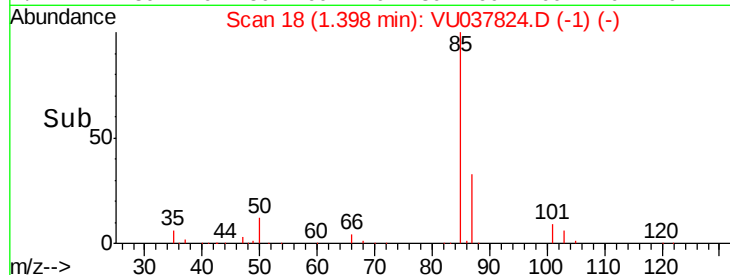
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.877 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037824.D

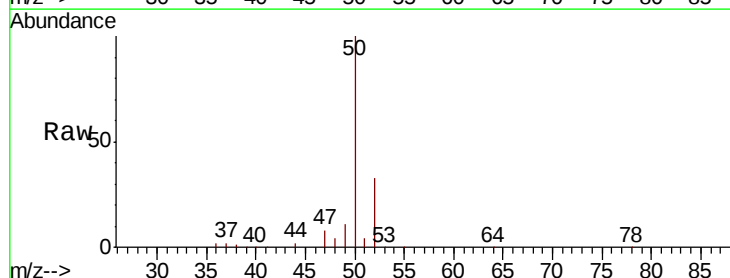
Acq: 21 Apr 2020 14:31

Tgt Ion: 50 Resp: 226573

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037824.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037824.D (-53) (-)

1.54

200000

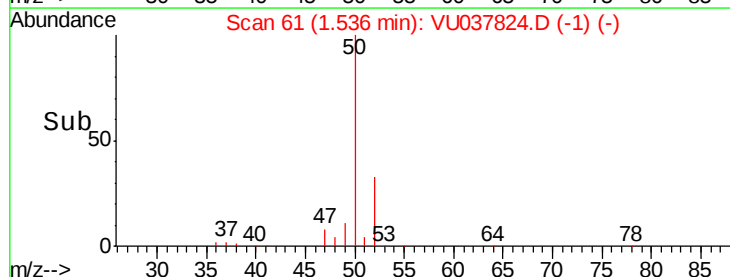
150000

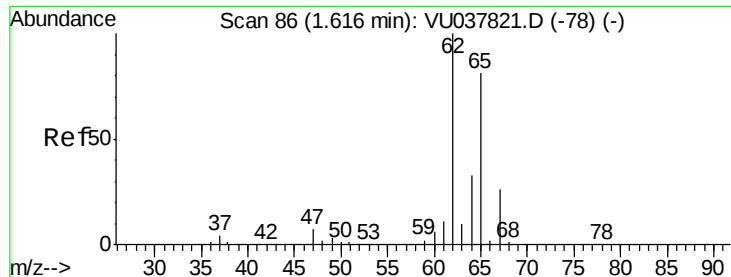
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.667 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

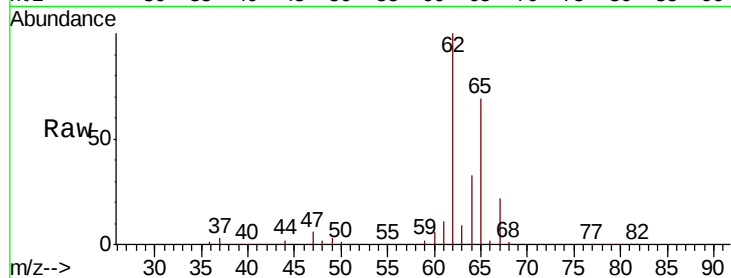
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 264226

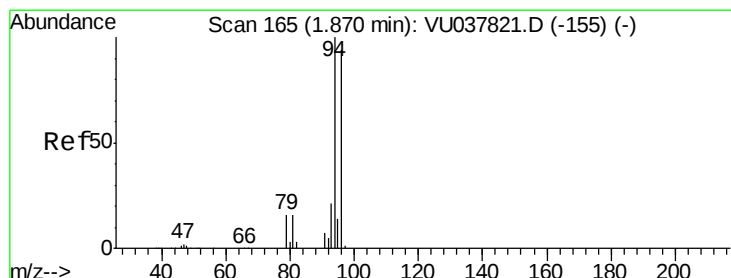
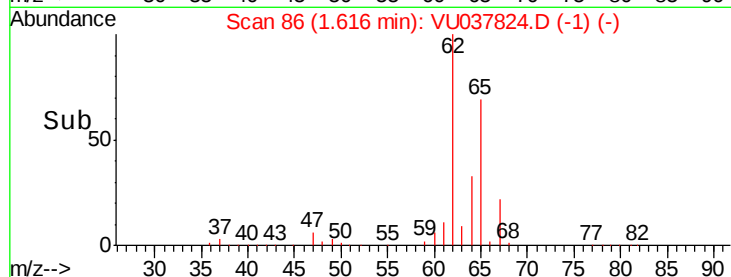
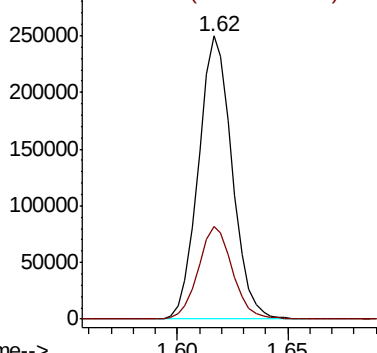
Ion Ratio Lower Upper

62 100

64 32.6 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 55.287 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037824.D

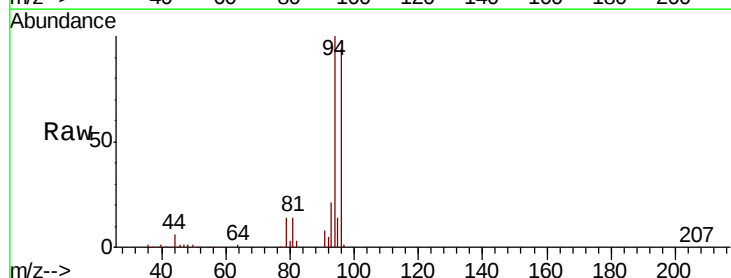
Acq: 21 Apr 2020 14:31

Tgt Ion: 94 Resp: 111400

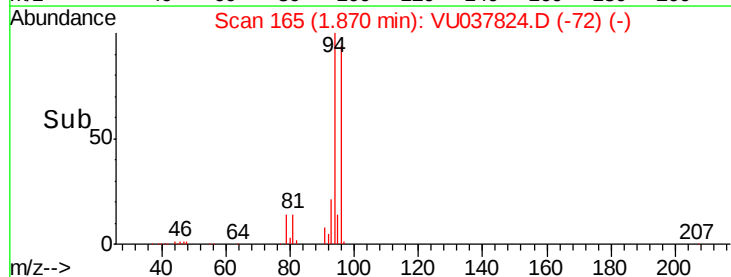
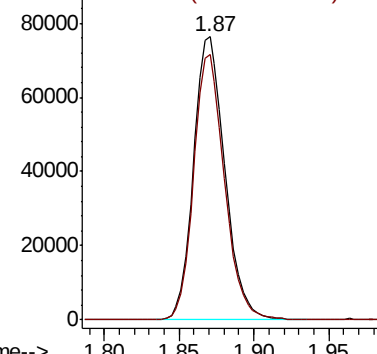
Ion Ratio Lower Upper

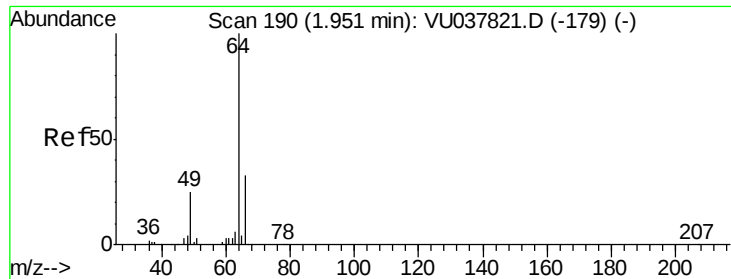
94 100

96 93.8 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.915 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

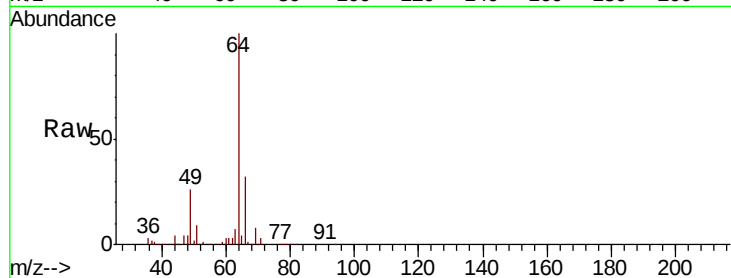
ClientSampleId :

Tot Ion: 64 Resp: 149795

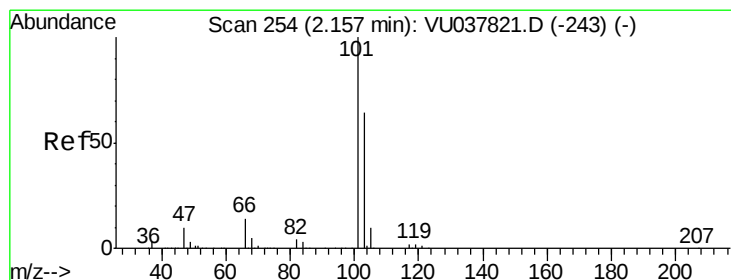
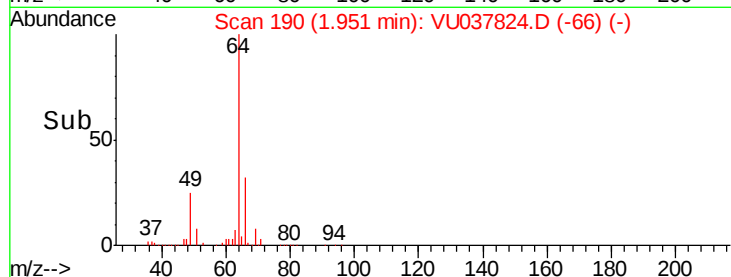
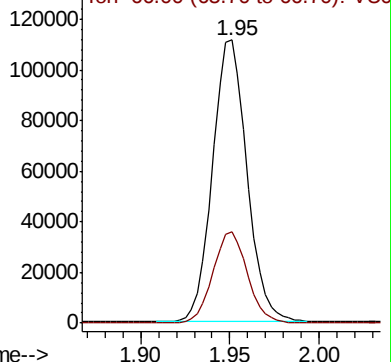
Ion Ratio Lower Upper

64 100

66 32.1 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU037824.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 49.194 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037824.D

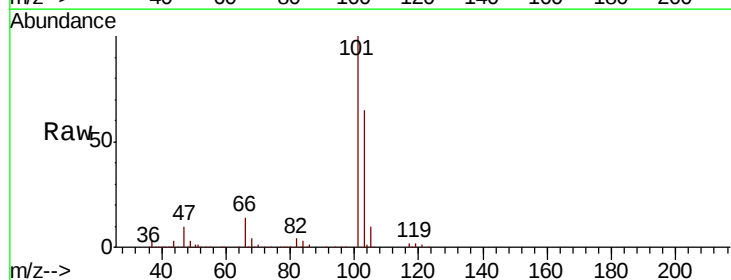
Acq: 21 Apr 2020 14:31

Tgt Ion: 101 Resp: 283724

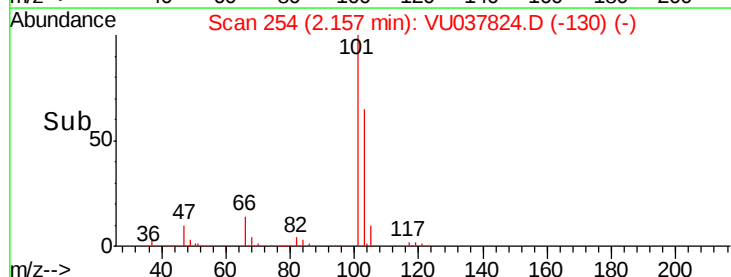
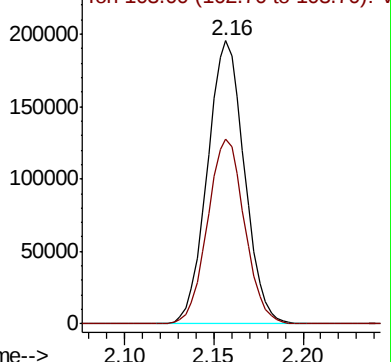
Ion Ratio Lower Upper

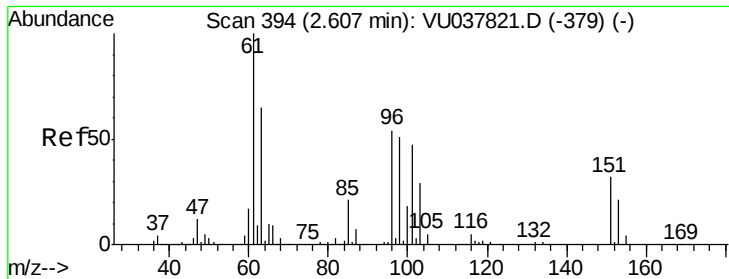
101 100

103 65.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU037824.D (-243) (-)





#10

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

Concen: 48.179 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

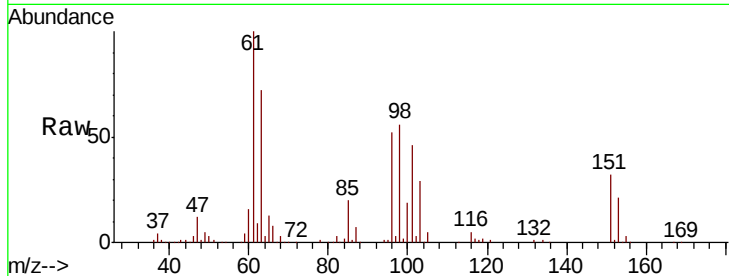
Tot Ion:101 Resp: 161792

Ion Ratio Lower Upper

101 100

85 44.4 35.3 52.9

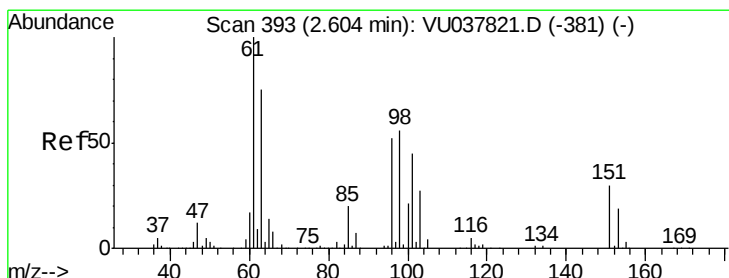
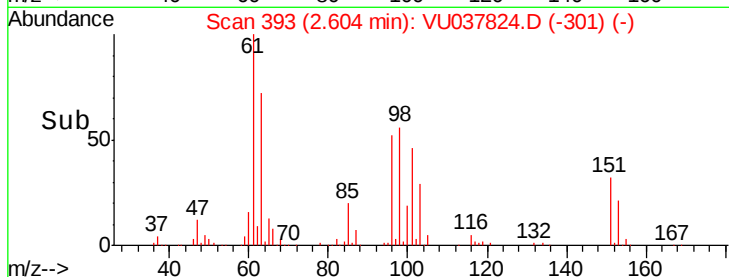
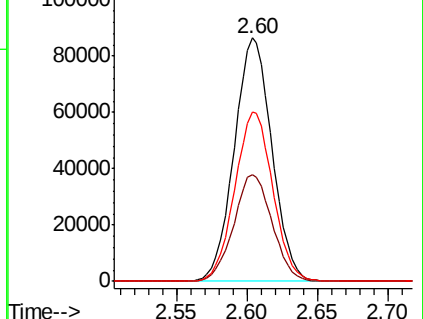
151 70.0 55.2 82.8



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: 48.506 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

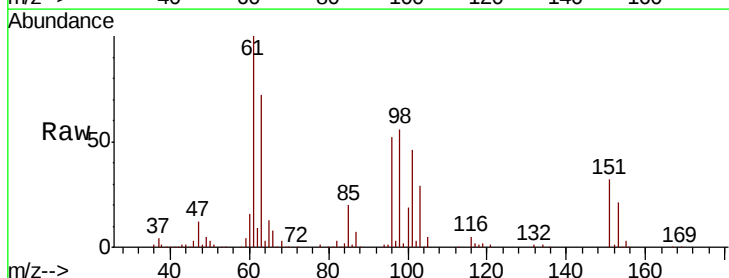
Tgt Ion: 96 Resp: 160600

Ion Ratio Lower Upper

96 100

61 192.1 134.5 249.7

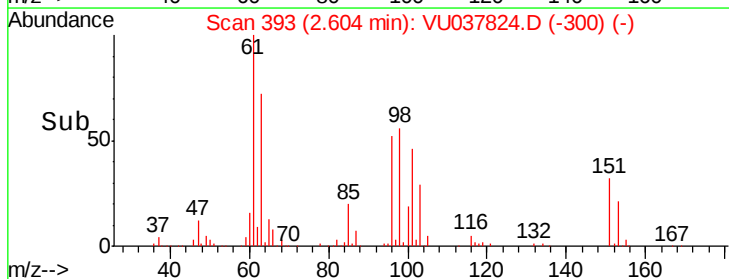
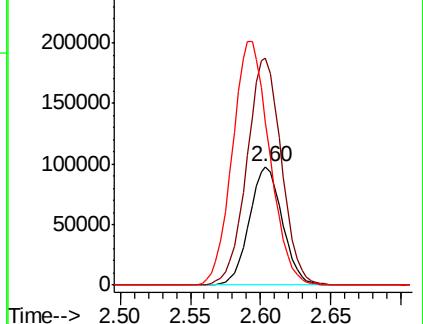
63 138.1 106.6 198.0

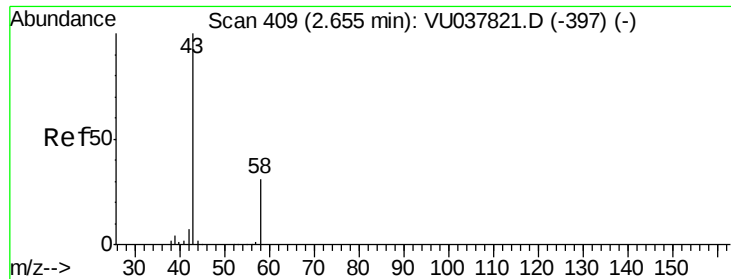


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 82.364 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

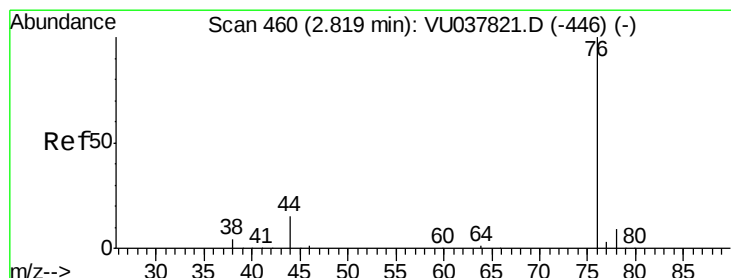
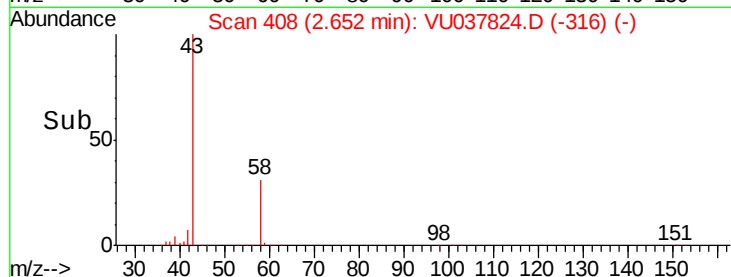
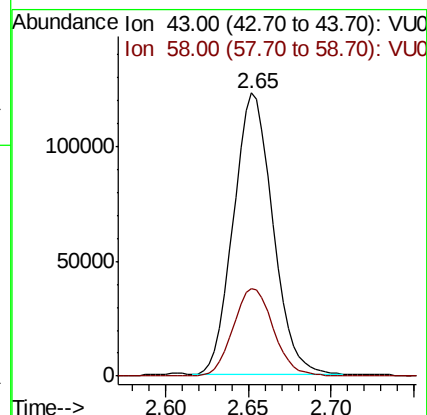
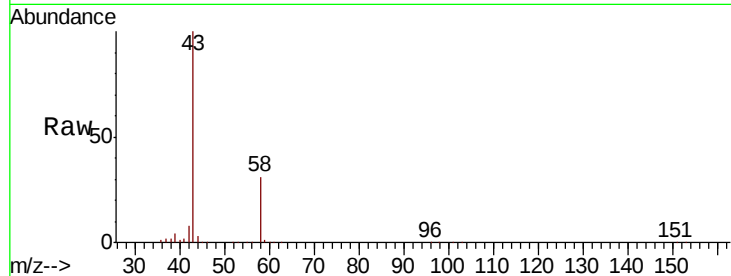
ClientSampled :

Tot Ion: 43 Resp: 202408

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.0



#14

Carbon disulfide

Concen: 49.307 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037824.D

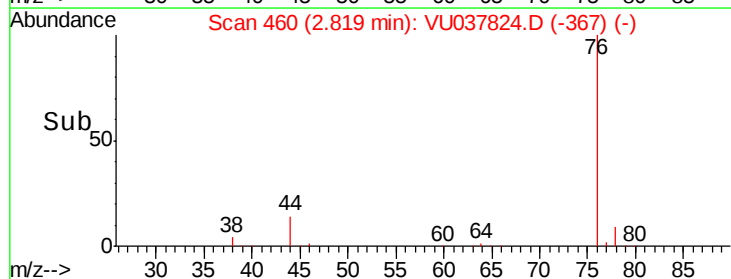
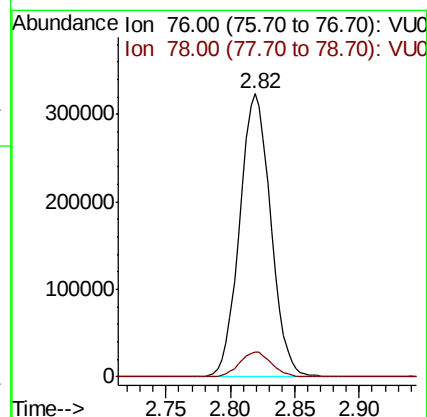
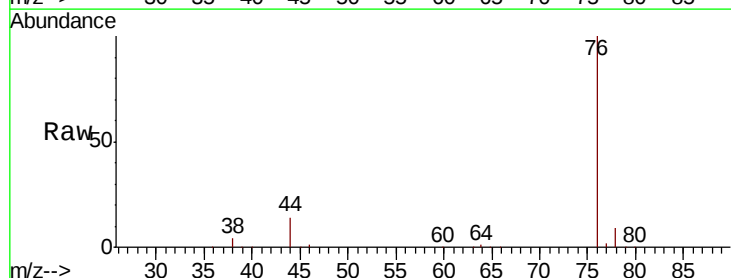
Acq: 21 Apr 2020 14:31

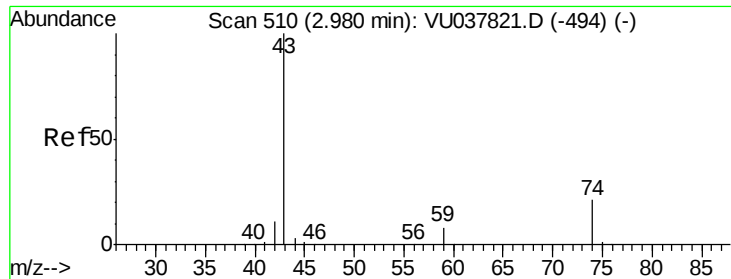
Tgt Ion: 76 Resp: 544500

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

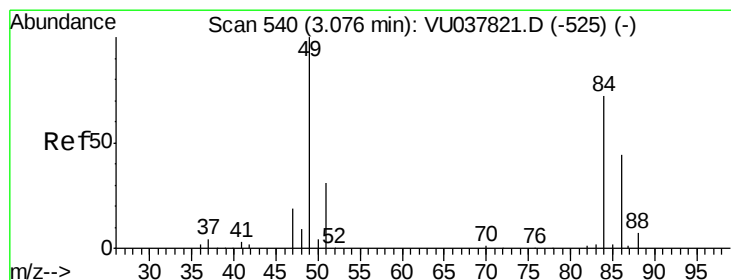
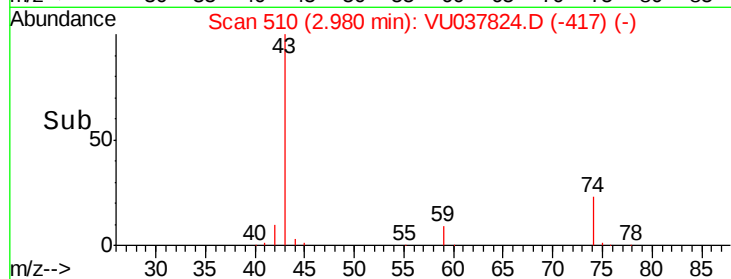
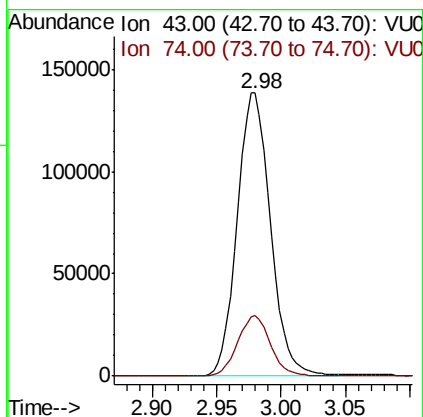
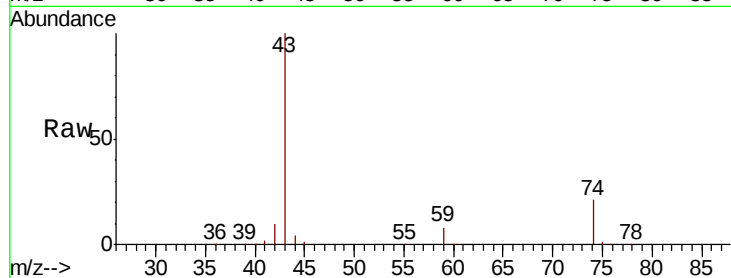




#15
Methvl Acetate
Concen: 45.326 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

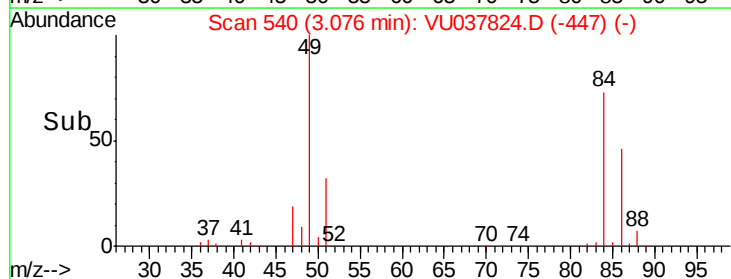
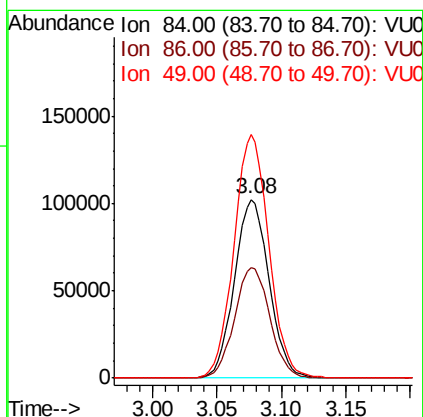
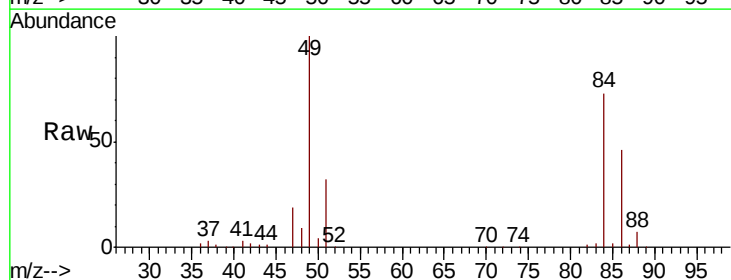
Instrument :
MSVOA_U
ClientSampleId :

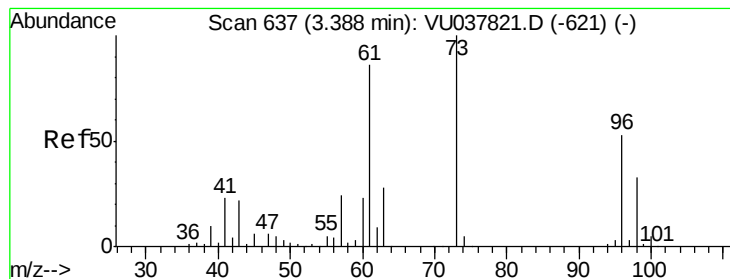
Tot Ion: 43 Resp: 248211
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8



#16
Methylene chloride
Concen: 48.028 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

Tgt Ion: 84 Resp: 190913
Ion Ratio Lower Upper
84 100
86 62.1 43.2 80.2
49 136.4 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 47.914 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :
MSVOA_U
ClientSampleId :

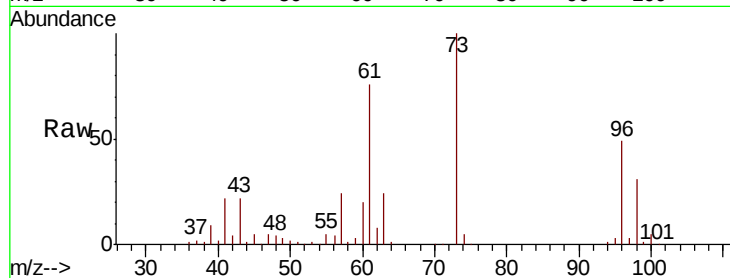
Tot Ion: 96 Resp: 175075

Ion Ratio Lower Upper

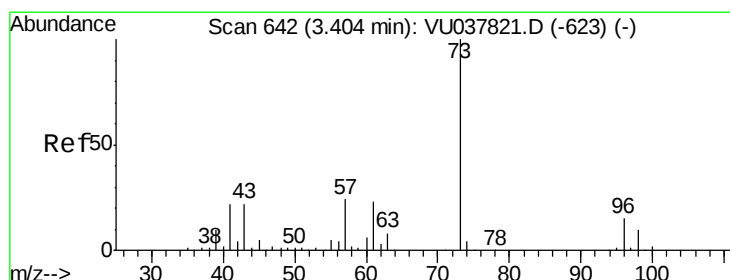
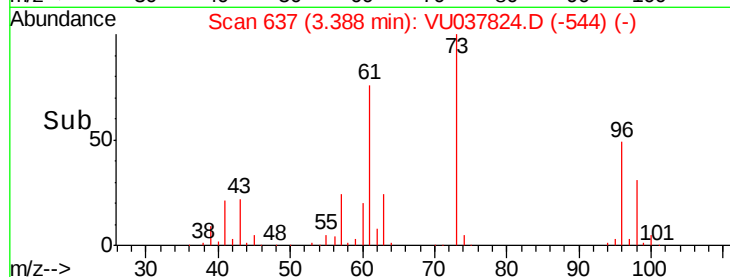
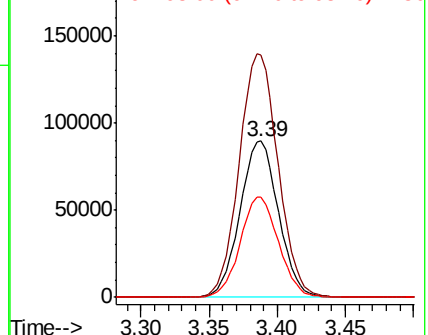
96 100

61 155.6 113.1 210.1

98 64.2 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 47.793 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

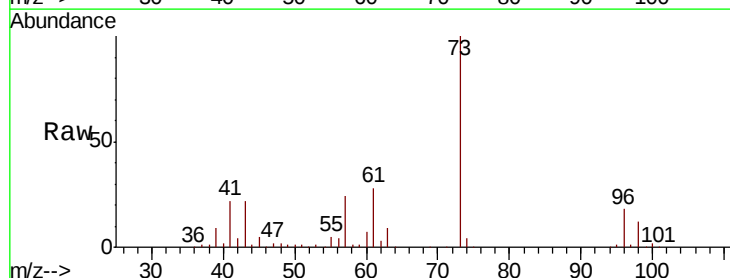
Tgt Ion: 73 Resp: 621658

Ion Ratio Lower Upper

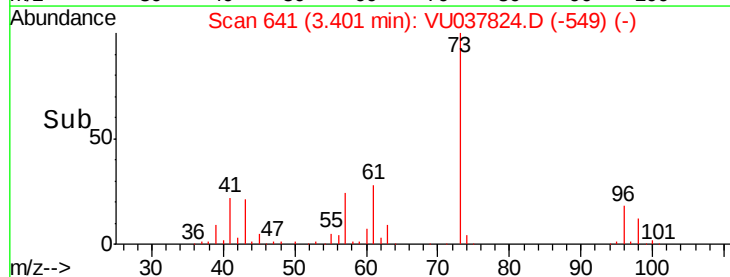
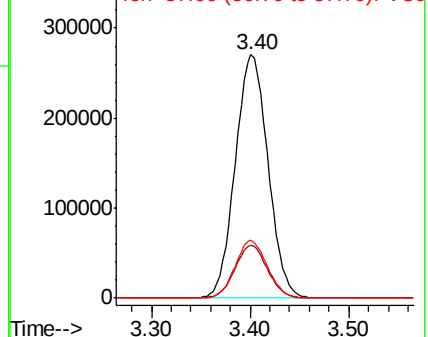
73 100

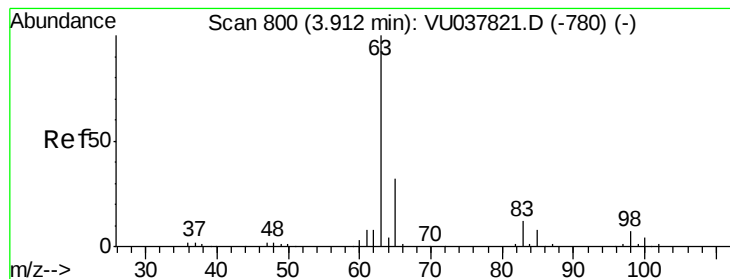
43 21.6 17.2 25.8

57 23.3 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 47.615 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

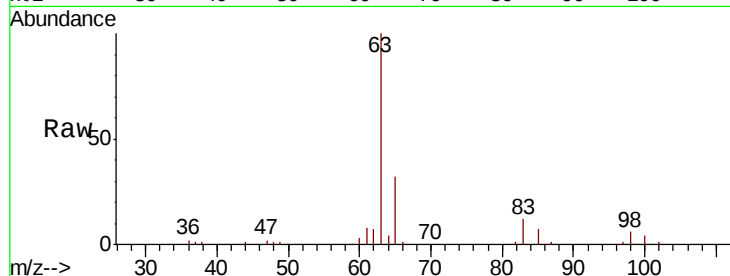
Tot Ion: 63 Resp: 361252

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

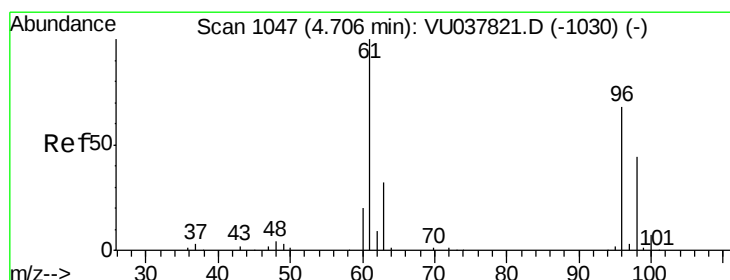
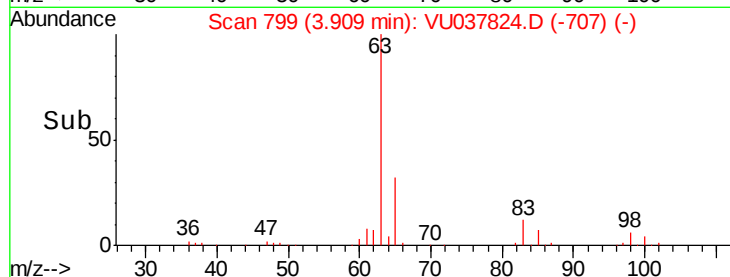
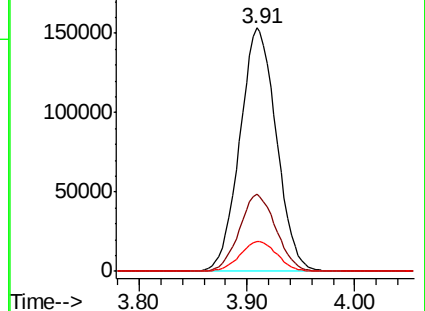
83 12.2 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU037824.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037824.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037824.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.701 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

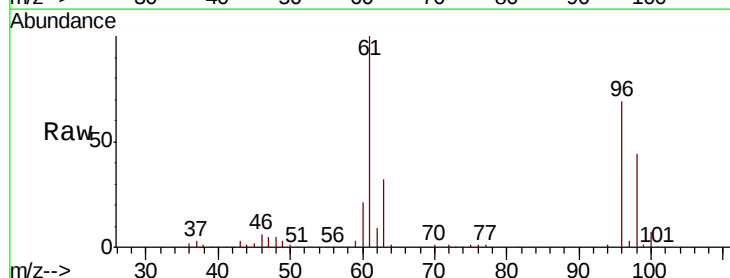
Tgt Ion: 96 Resp: 194802

Ion Ratio Lower Upper

96 100

61 145.3 102.6 190.5

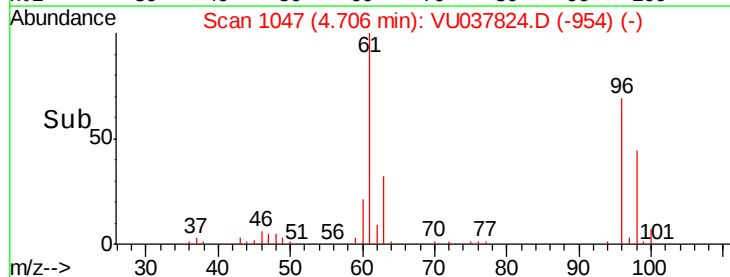
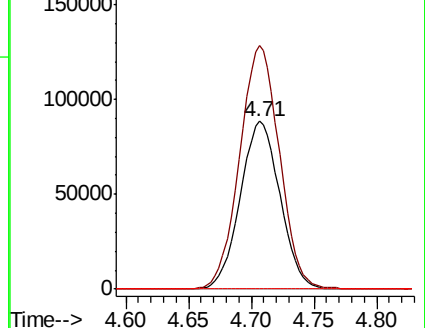
68 0.0 0.0 0.0

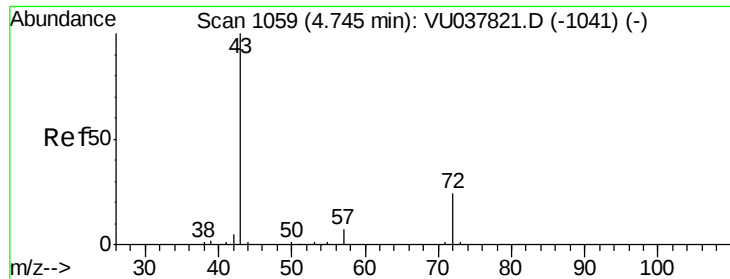


Abundance Ion 96.00 (95.70 to 96.70): VU037824.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037824.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037824.D (-954) (-)





#22

2-Butanone

Concen: 90.354 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

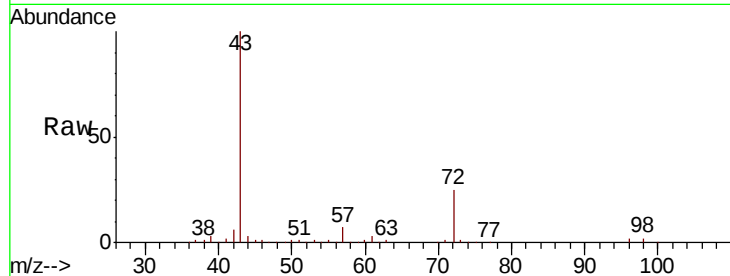
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 364879

Ion Ratio Lower Upper

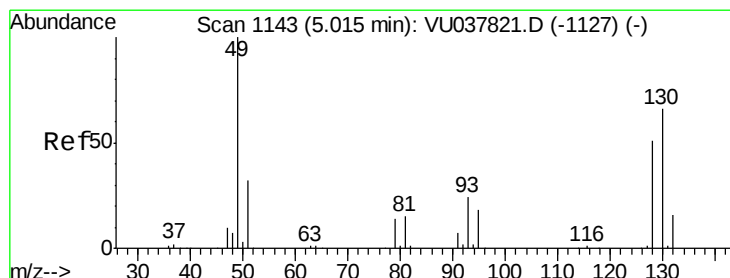
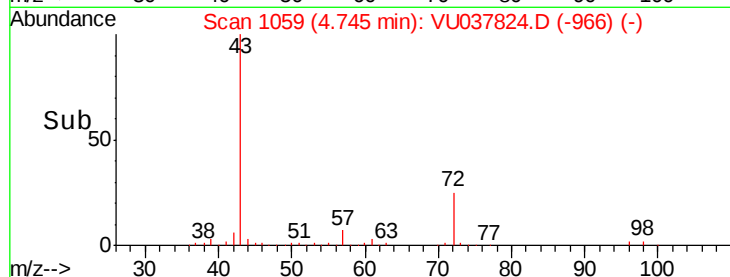
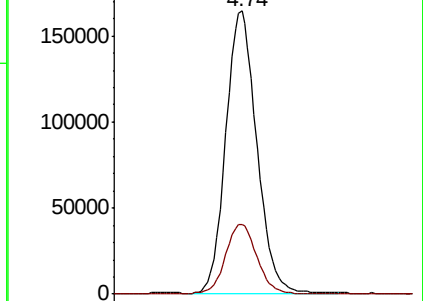
43 100

72 25.3 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037824.D (-1041) (-)

Ion 72.00 (71.70 to 72.70): VU037824.D (-1041) (-)



#23

Bromochloromethane

Concen: 48.964 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Tgt Ion:128 Resp: 96031

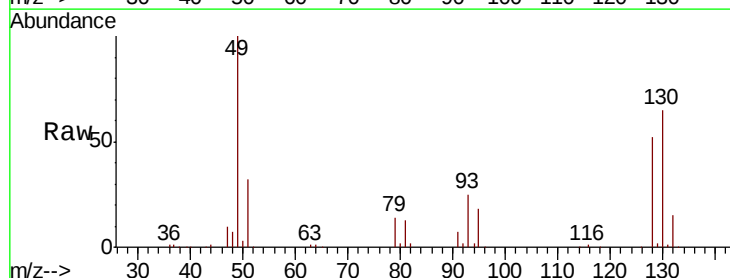
Ion Ratio Lower Upper

128 100

49 192.4 138.3 256.9

130 125.8 91.1 169.1

51 61.4 50.4 75.6

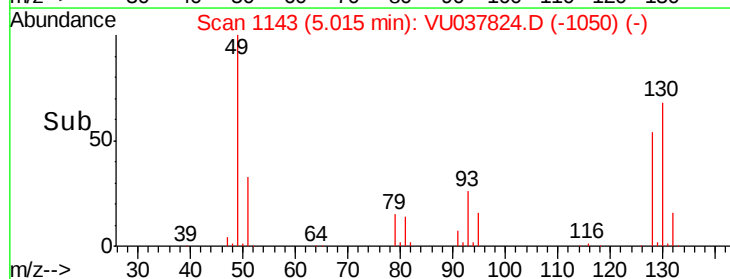
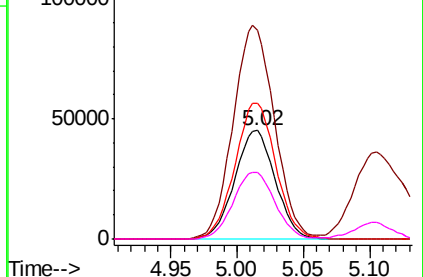


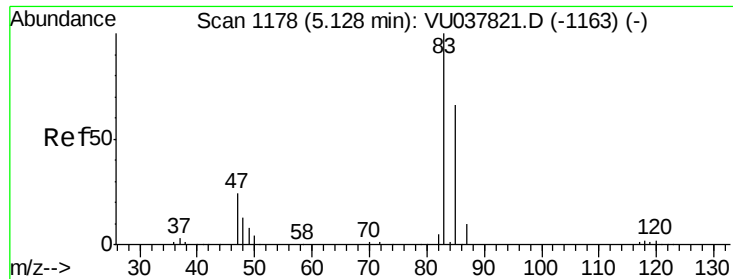
Abundance Ion 128.00 (127.70 to 128.70): VU037824.D (-1127) (-)

Ion 49.00 (48.70 to 49.70): VU037824.D (-1127) (-)

Ion 130.00 (129.70 to 130.70): VU037824.D (-1127) (-)

Ion 51.00 (50.70 to 51.70): VU037824.D (-1127) (-)

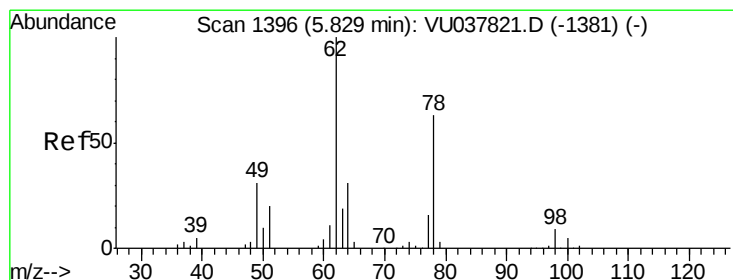
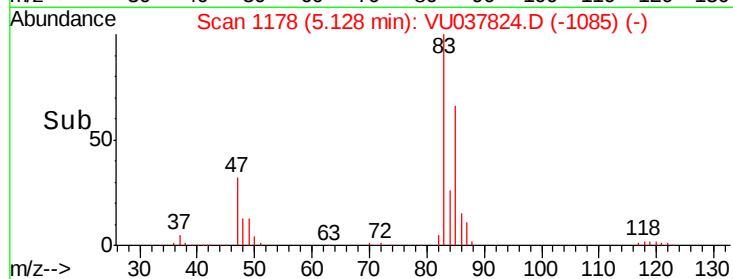
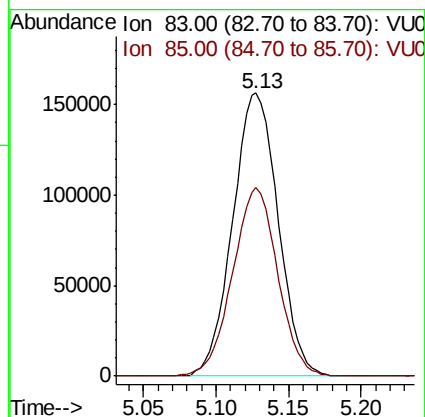
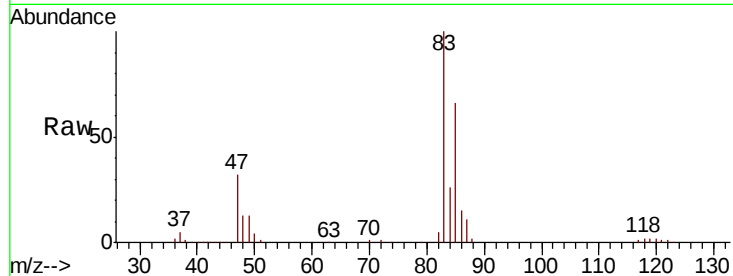




#25
Chloroform
Concen: 47.959 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

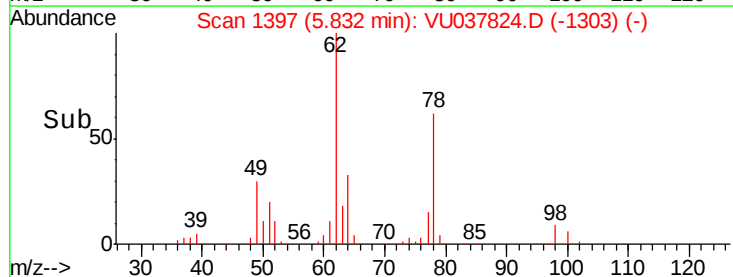
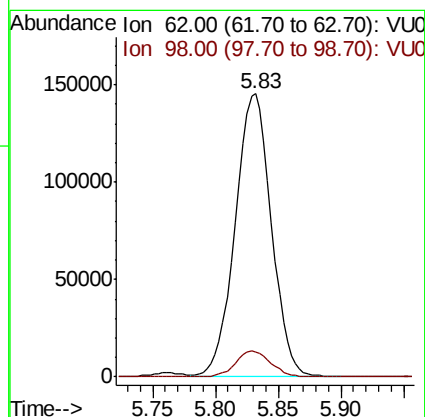
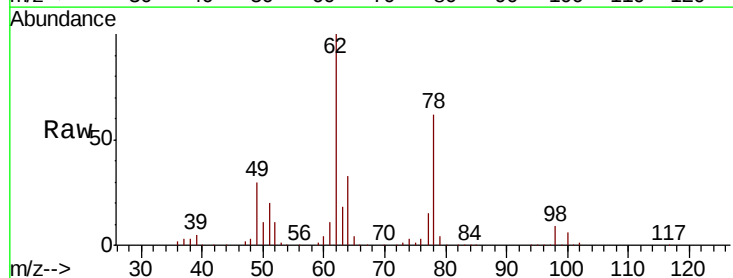
Instrument :
MSVOA_U
ClientSampleId :

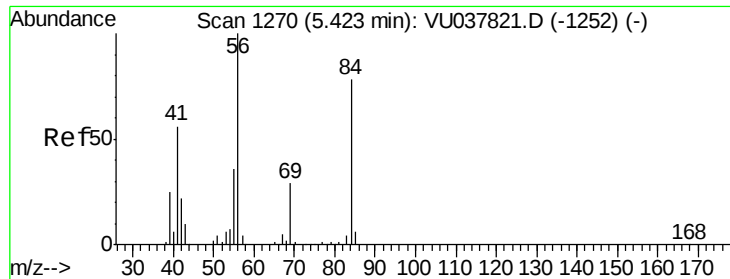
Tot Ion: 83 Resp: 340693
Ion Ratio Lower Upper
83 100
85 66.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 47.415 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

Tgt Ion: 62 Resp: 290373
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

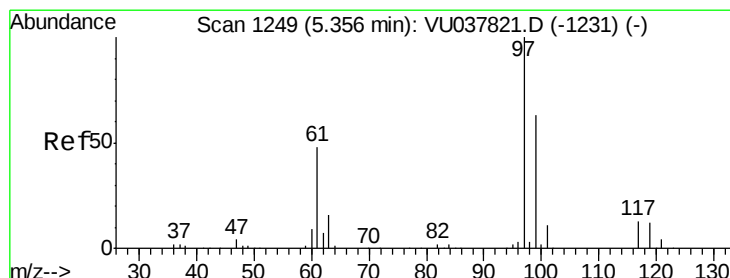
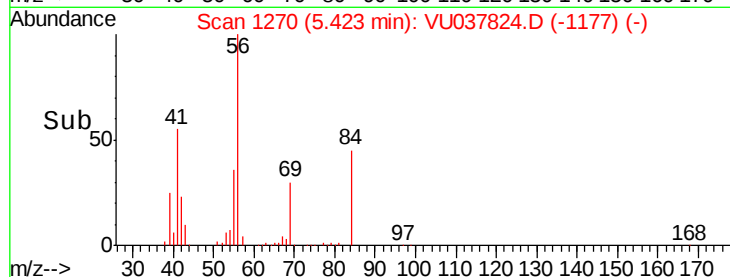
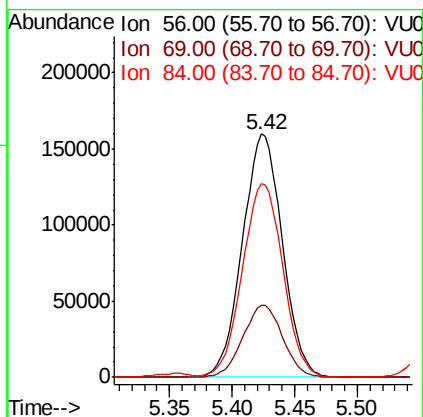
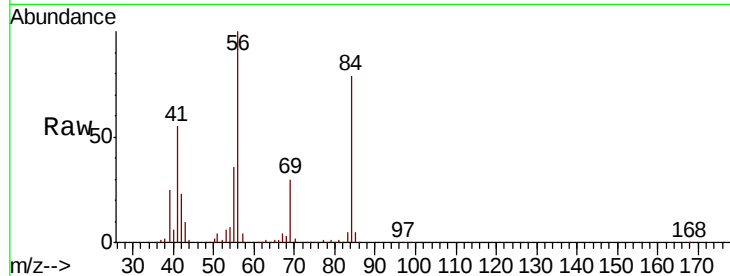




#29
Cyclohexane
Concen: 47.655 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

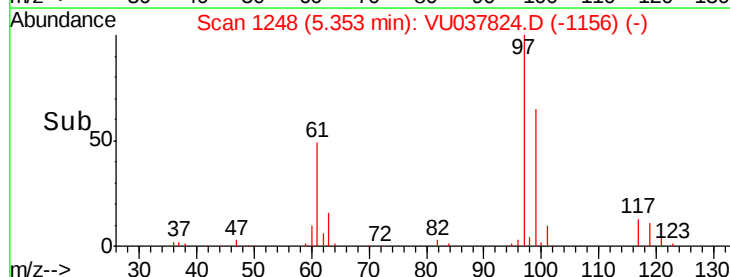
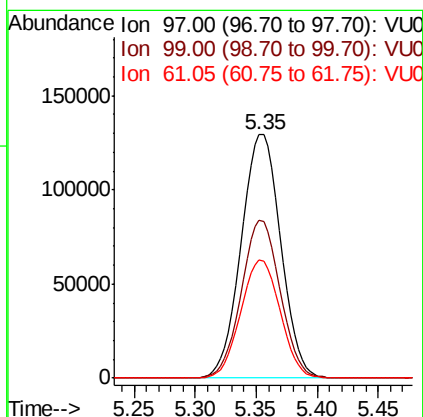
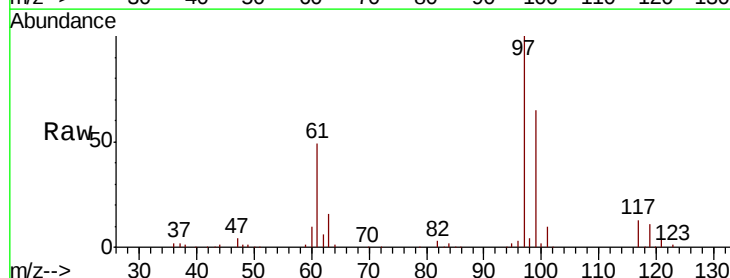
Instrument :
MSVOA_U
ClientSampleId :

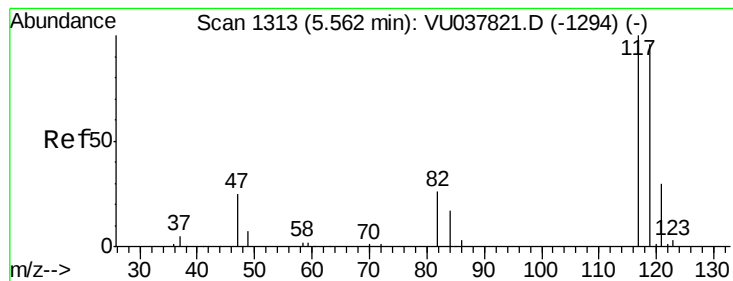
Tot Ion: 56 Resp: 354401
Ion Ratio Lower Upper
56 100
69 29.5 23.3 34.9
84 80.6 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 47.876 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

Tgt Ion: 97 Resp: 290372
Ion Ratio Lower Upper
97 100
99 63.7 50.7 76.1
61 48.4 38.3 57.5





#31

Carbon tetrachloride

Concen: 48.438 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

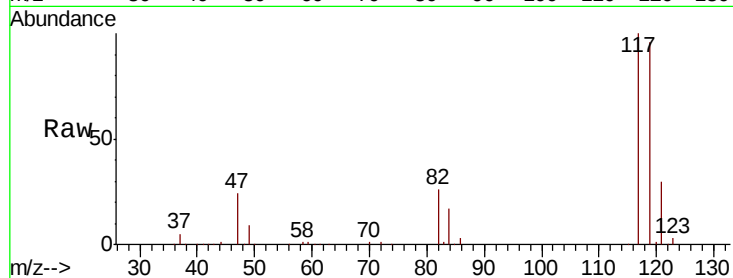
ClientSampleId :

Tot Ion:117 Resp: 236346

Ion Ratio Lower Upper

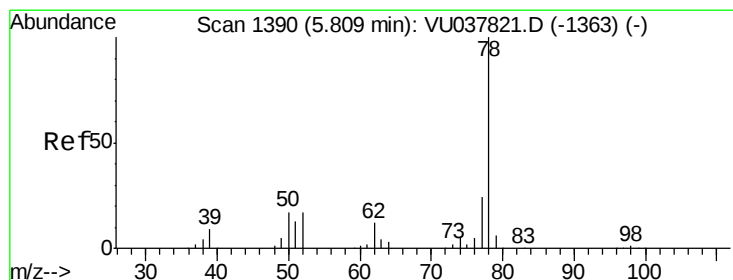
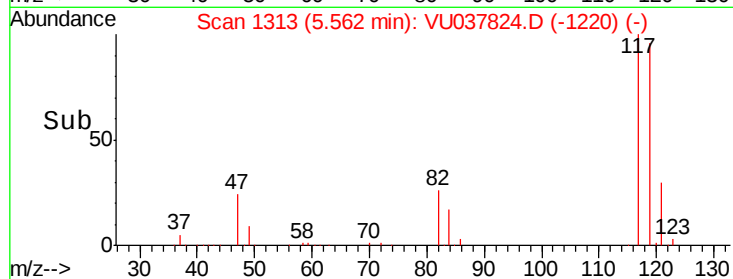
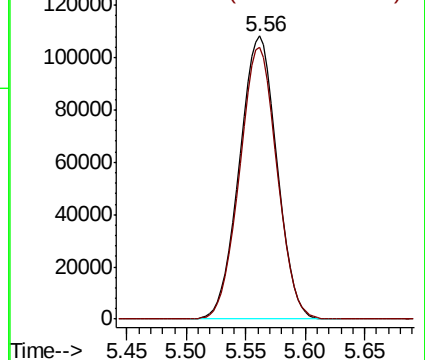
117 100

119 95.7 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.901 ug/L

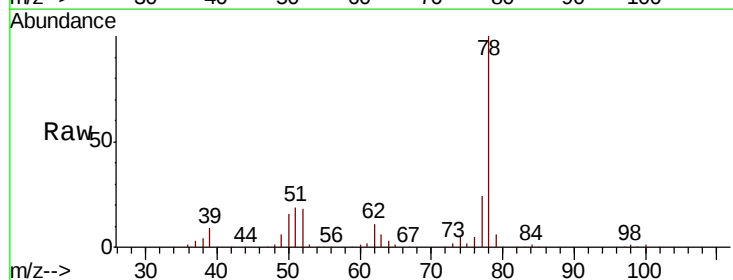
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

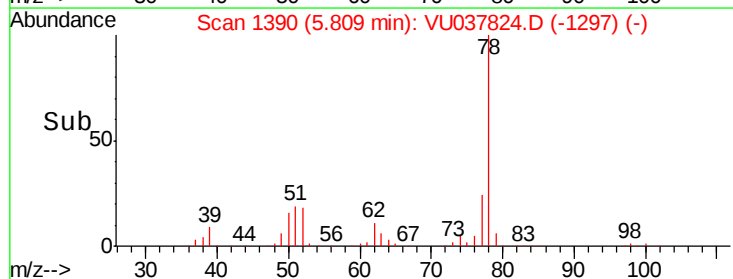
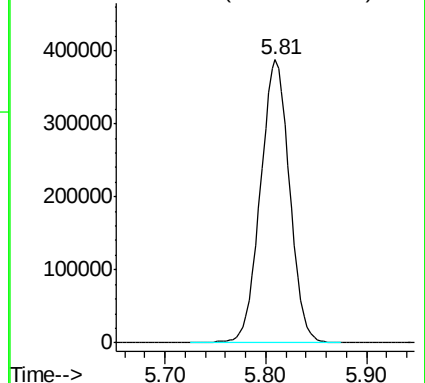
Lab File: VU037824.D

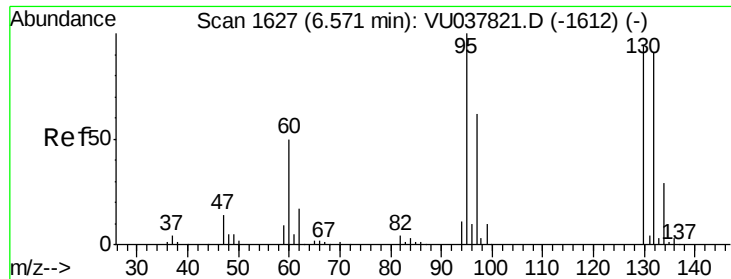
Acq: 21 Apr 2020 14:31

Tgt Ion: 78 Resp: 777050



Abundance Ion 78.00 (77.70 to 78.70): VU0

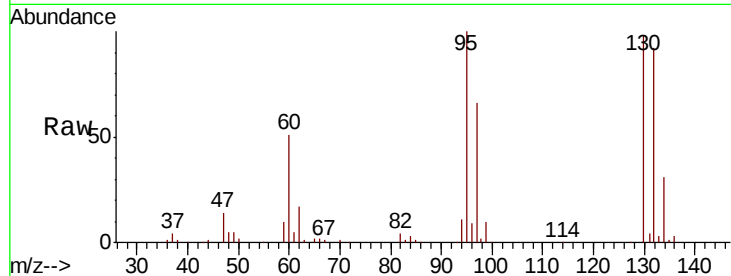




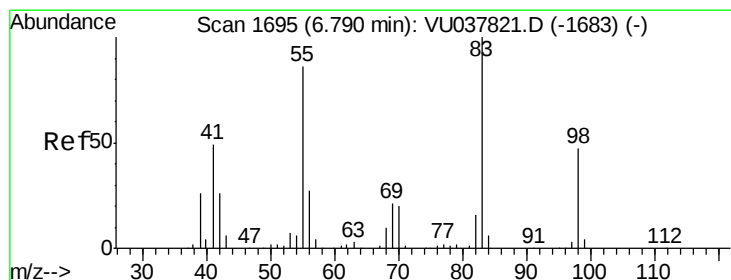
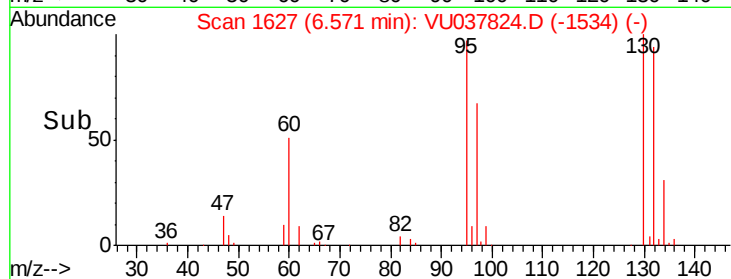
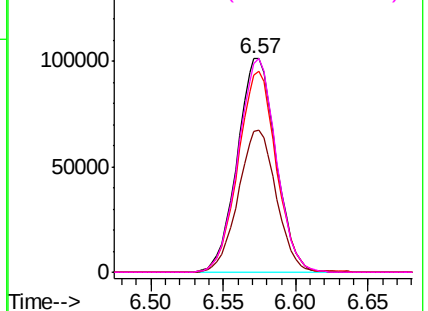
#34
 Trichloroethene
 Concen: 46.814 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 187473
 Ion Ratio Lower Upper
 95 100
 97 65.8 43.1 80.1
 132 92.0 63.6 118.2
 130 97.8 65.5 121.6

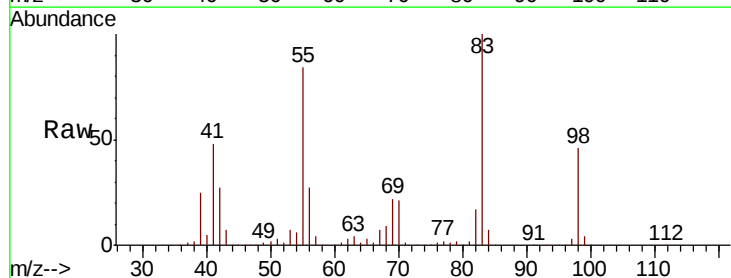


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

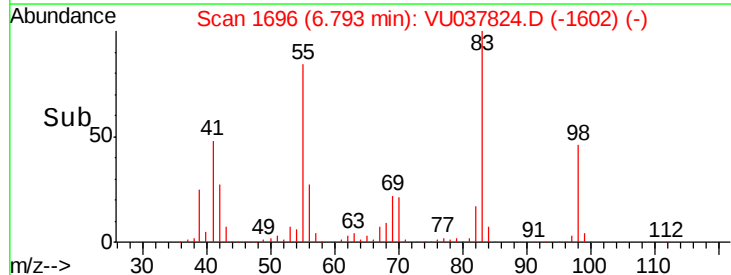
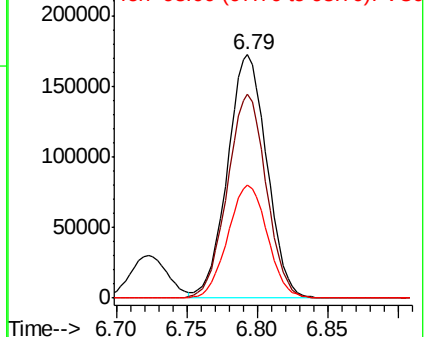


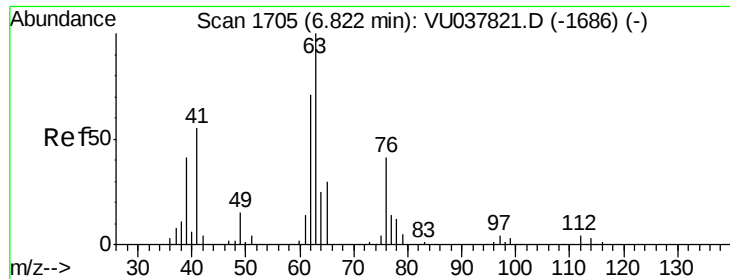
#35
 Methylcyclohexane
 Concen: 48.055 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Tgt Ion: 83 Resp: 335992
 Ion Ratio Lower Upper
 83 100
 55 82.6 67.3 100.9
 98 46.8 36.9 55.3



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

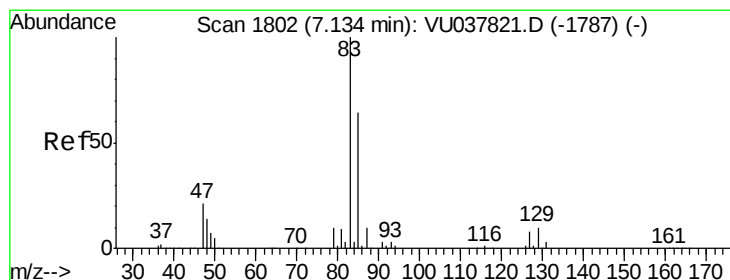
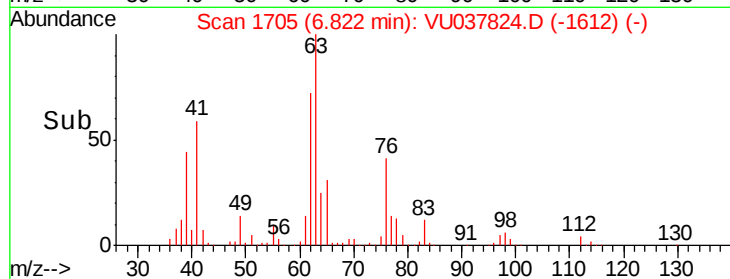
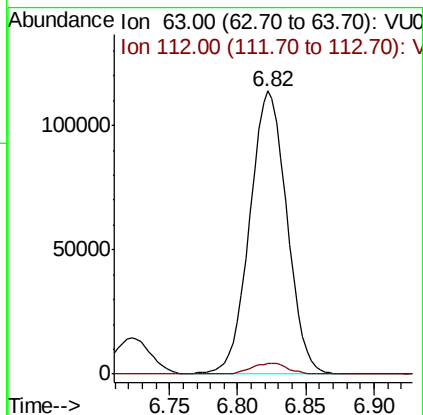
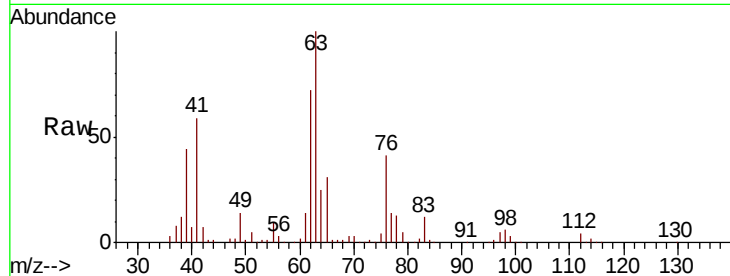




#37
 1,2-Dichloropropane
 Concen: 46.700 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

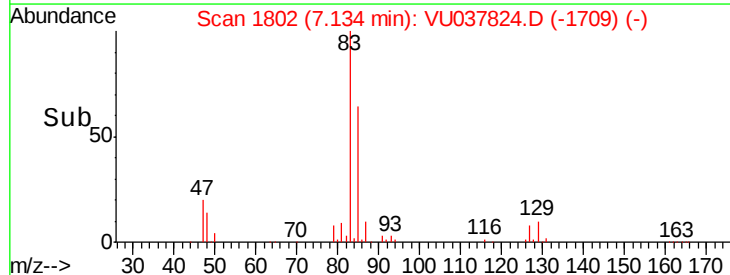
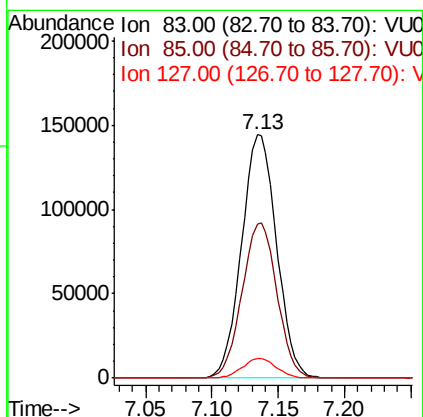
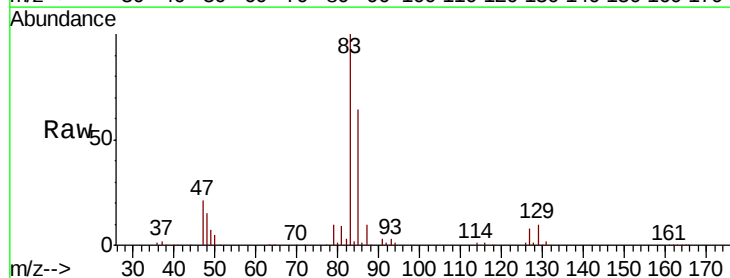
Instrument :
 MSVOA_U
 ClientSampled :

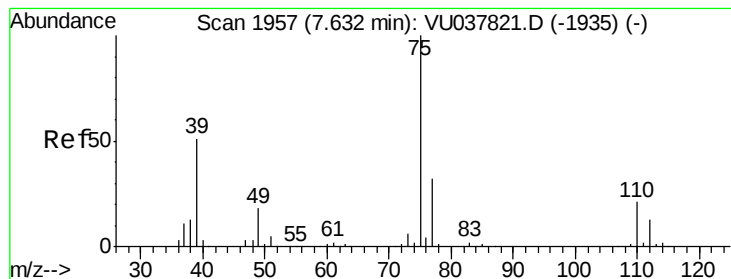
Tot Ion: 63 Resp: 213985
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.982 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Tgt Ion: 83 Resp: 264589
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 83.1
 127 8.3 6.3 9.5



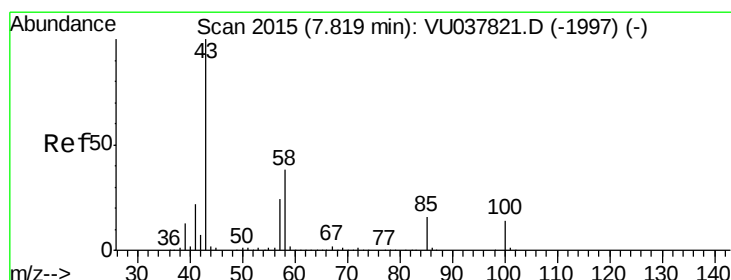
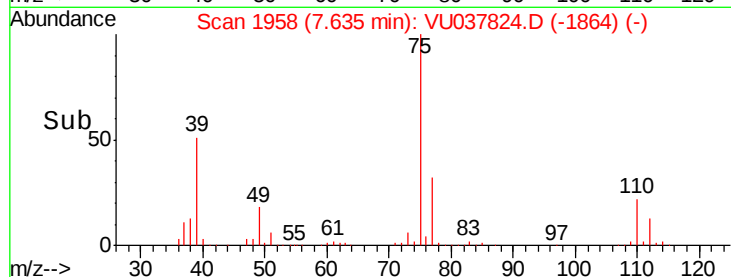
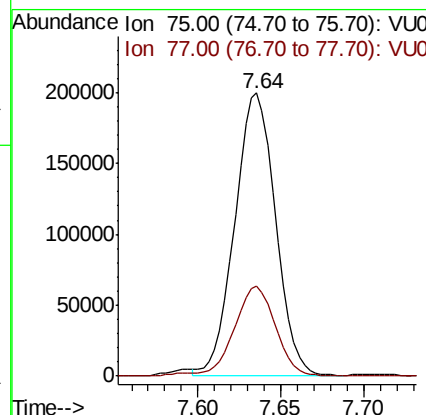
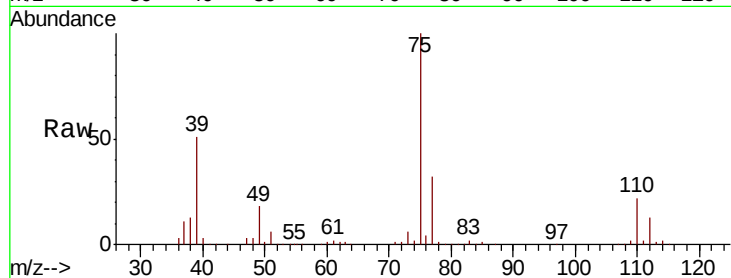


#39

cis-1,3-Dichloropropene
 Concen: 47.138 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Instrument :
 MSVOA_U
 ClientSampled :

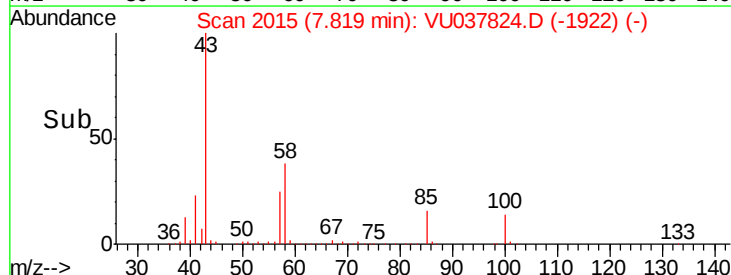
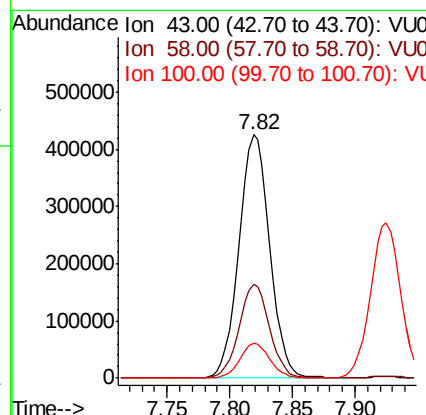
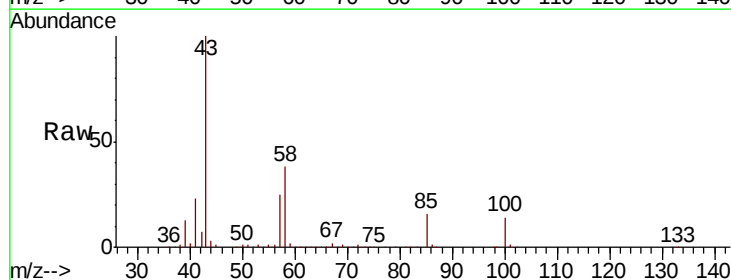
Tot Ion: 75 Resp: 340217
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3

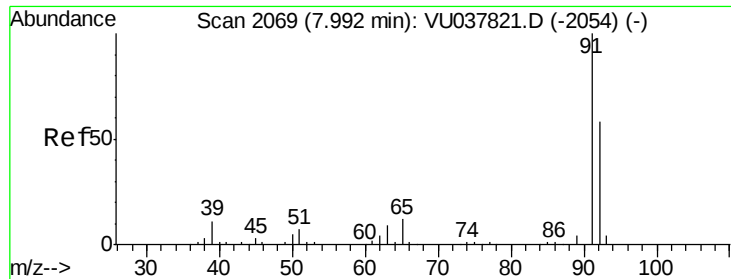


#40

4-Methyl-2-pentanone
 Concen: 92.762 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Tgt Ion: 43 Resp: 725087
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.5 45.7
 100 13.9 11.0 16.4





#42

Toluene

Concen: 47.937 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

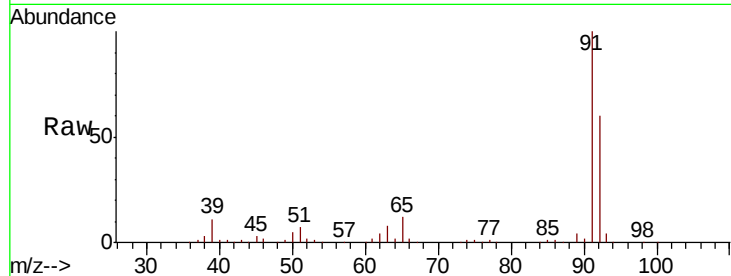
ClientSampled :

Tot Ion: 91 Resp: 823506

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU037821.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037821.D (-2054) (-)

8.00

500000

400000

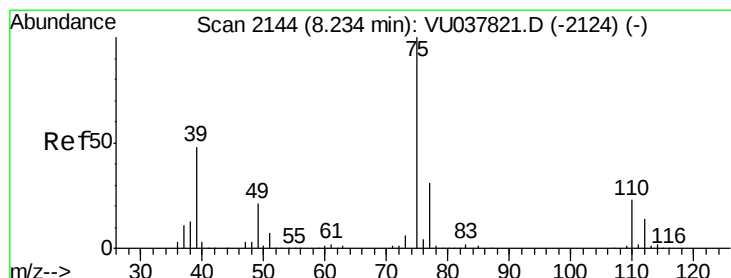
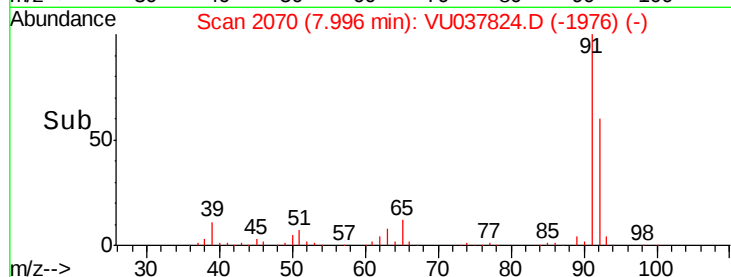
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.625 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037824.D

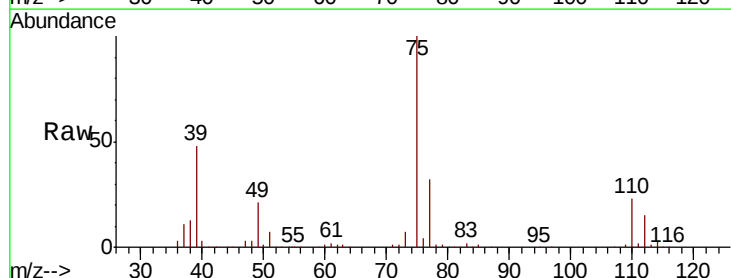
Acq: 21 Apr 2020 14:31

Tgt Ion: 75 Resp: 337312

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU037821.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037821.D (-2124) (-)

8.24

200000

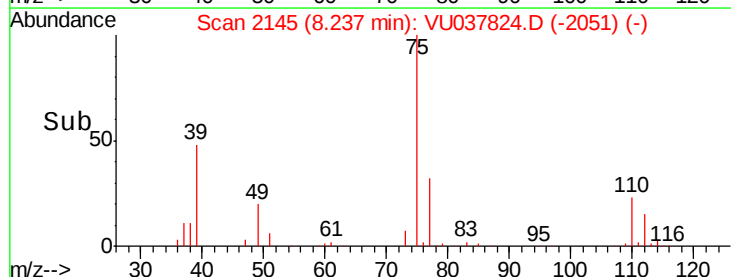
150000

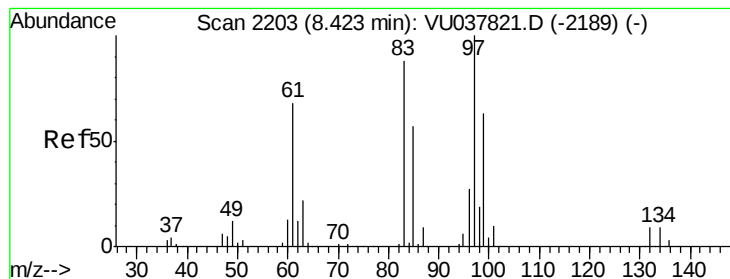
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.228 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 186993

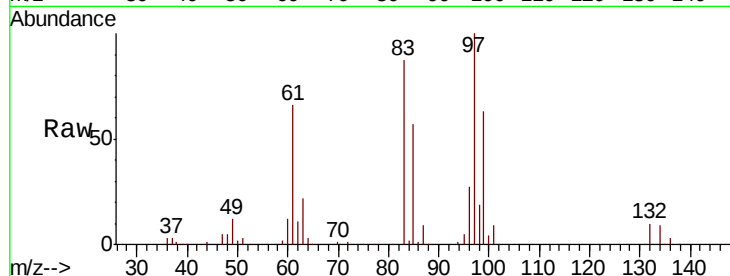
Ion Ratio Lower Upper

97 100

99 62.7 44.1 81.9

83 86.9 61.6 114.4

85 57.1 40.0 74.2

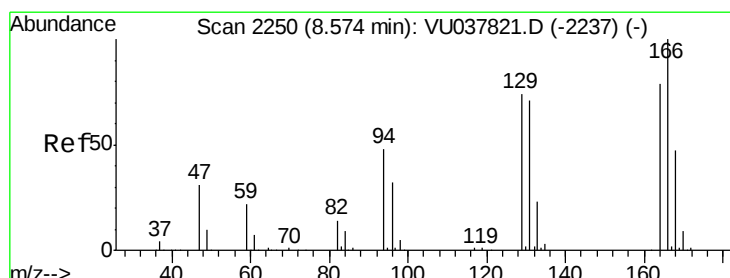
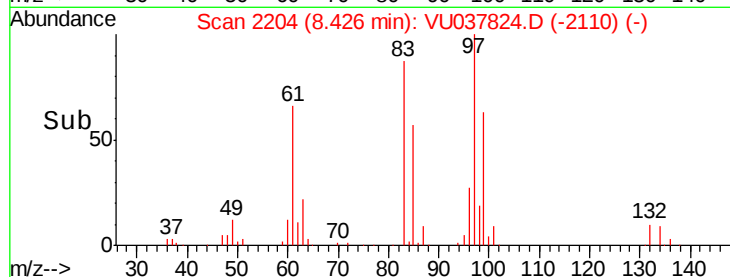
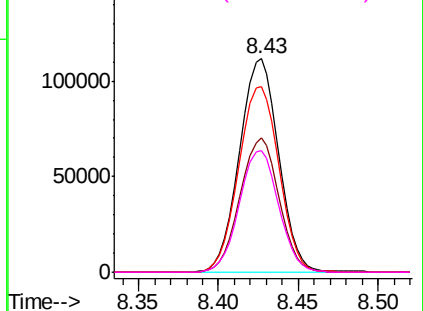


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.296 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Tgt Ion: 164 Resp: 138936

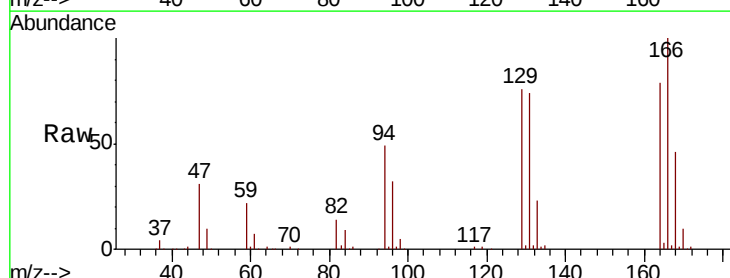
Ion Ratio Lower Upper

164 100

129 95.6 65.9 122.5

131 92.7 62.9 116.9

166 125.8 88.8 164.8

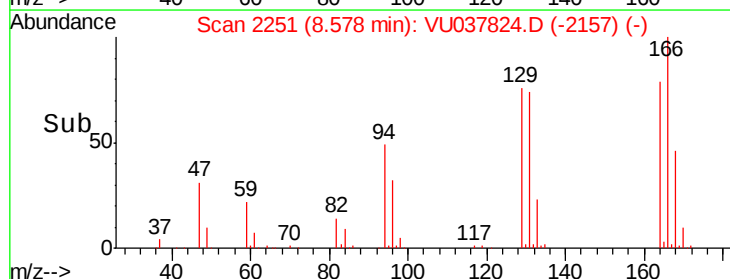
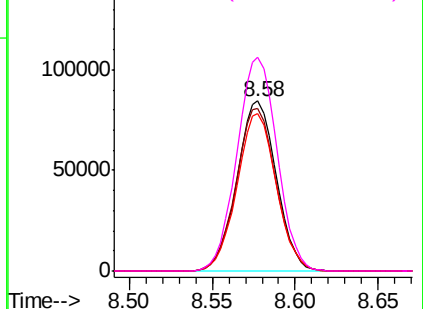


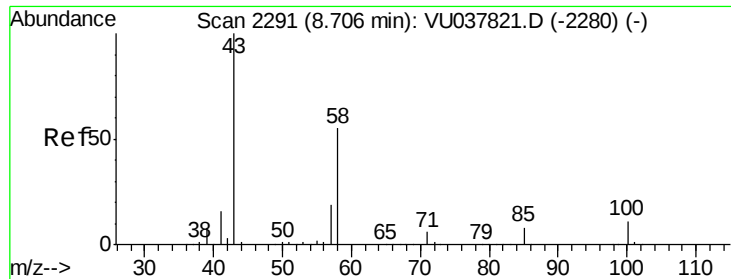
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

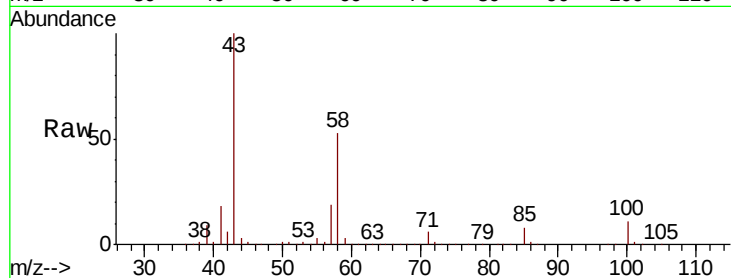




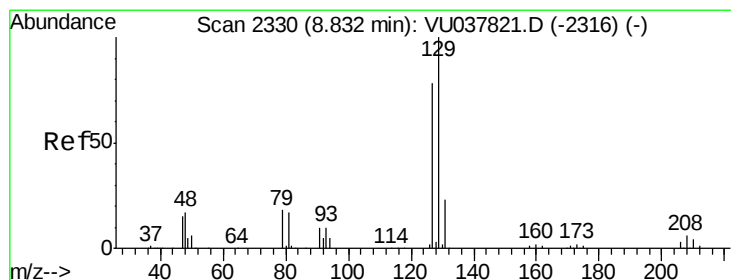
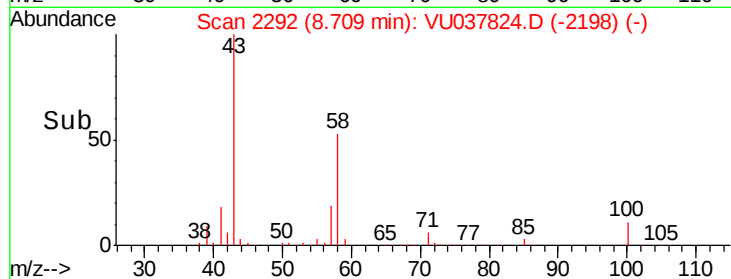
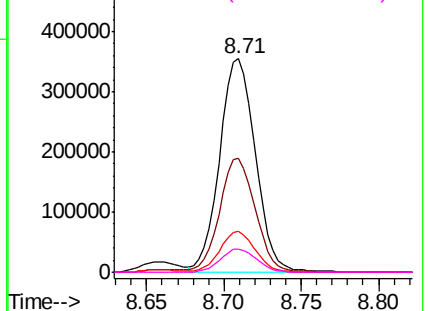
#48
2-Hexanone
Concen: 91.339 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 566389
Ion Ratio Lower Upper
43 100
58 53.5 43.0 64.4
57 18.8 15.1 22.7
100 11.0 8.6 13.0

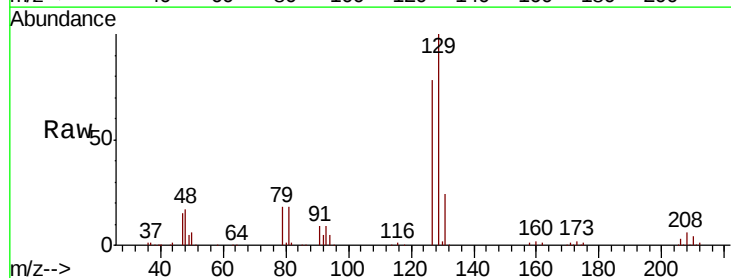


Abundance Ion 43.00 (42.70 to 43.70): VU037824.D (-2290) (-)
Ion 58.00 (57.70 to 58.70): VU037824.D (-2290) (-)
Ion 57.00 (56.70 to 57.70): VU037824.D (-2290) (-)
Ion 100.00 (99.70 to 100.70): VU037824.D (-2290) (-)

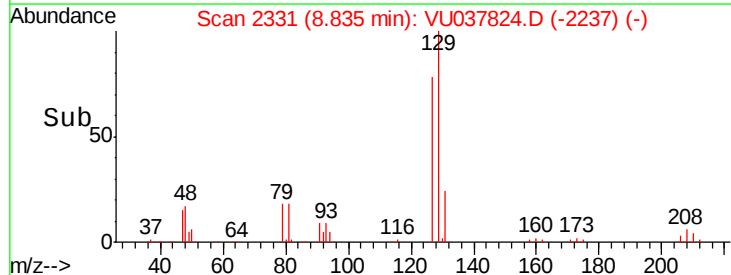
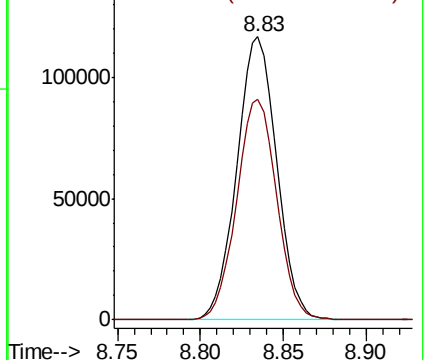


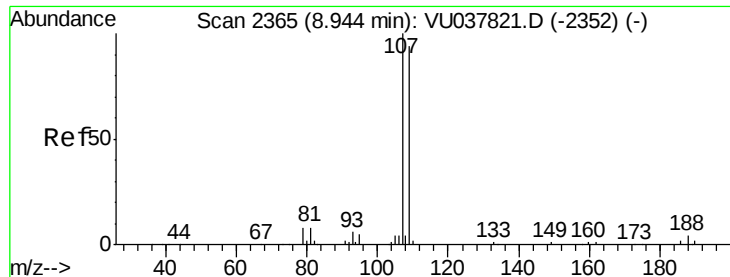
#49
Dibromochloromethane
Concen: 47.509 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037824.D
Acq: 21 Apr 2020 14:31

Tgt Ion: 129 Resp: 195830
Ion Ratio Lower Upper
129 100
127 78.0 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VU037824.D (-2327) (-)
Ion 127.00 (126.70 to 127.70): VU037824.D (-2327) (-)





#50

1,2-Dibromoethane

Concen: 47.370 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

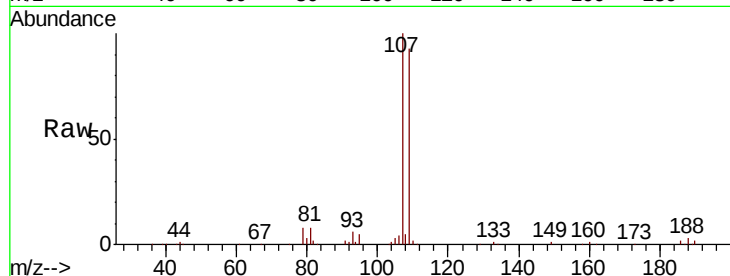
Tot Ion:107 Resp: 201316

Ion Ratio Lower Upper

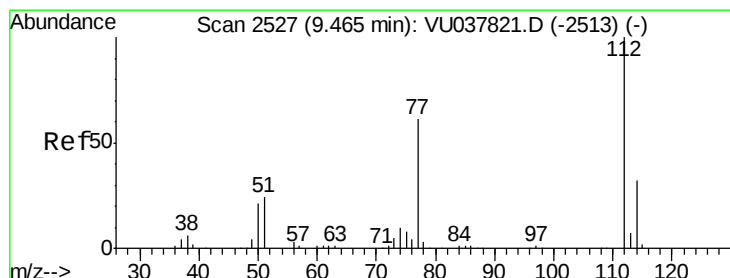
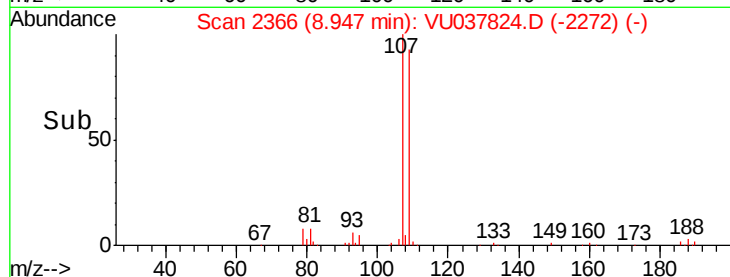
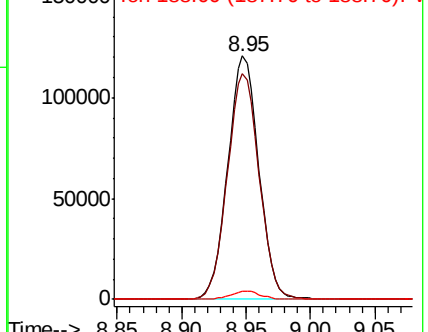
107 100

109 92.7 65.6 121.8

188 3.4 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 47.728 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

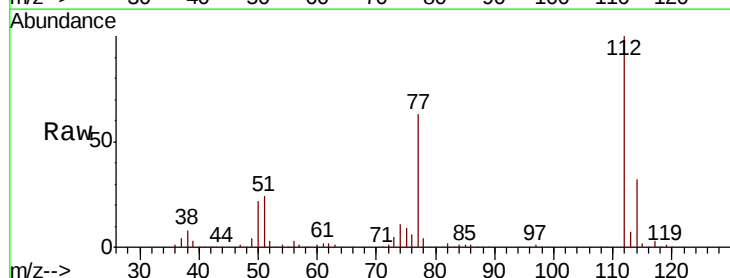
Tgt Ion:112 Resp: 512022

Ion Ratio Lower Upper

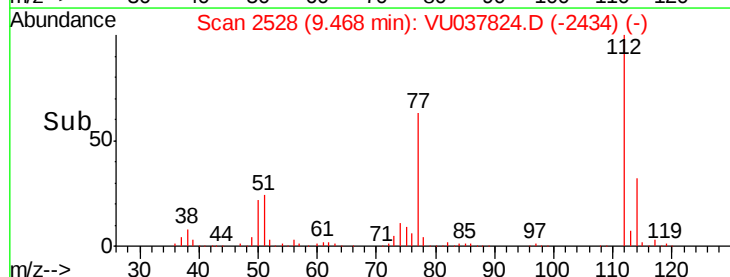
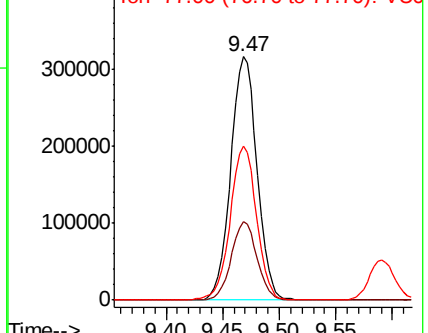
112 100

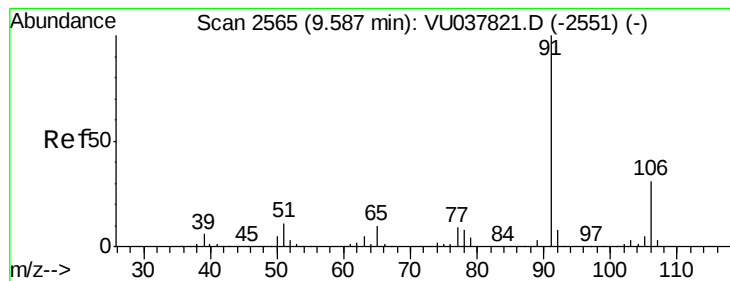
114 32.3 22.4 41.6

77 63.2 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 47.821 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

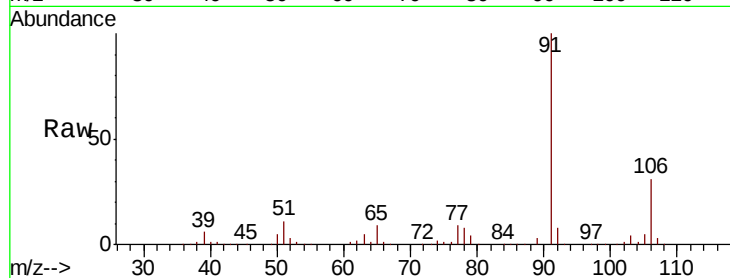
ClientSampled :

Tot Ion: 91 Resp: 921318

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU037821.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037821.D (-2551) (-)

9.59

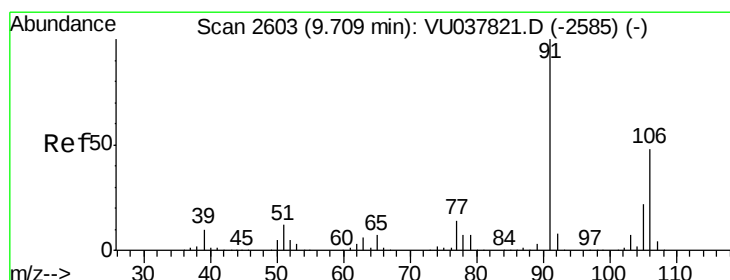
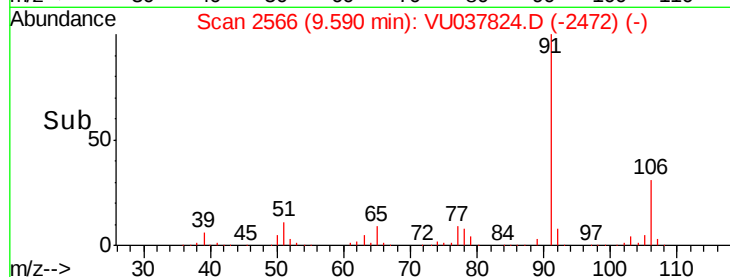
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 47.639 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037824.D

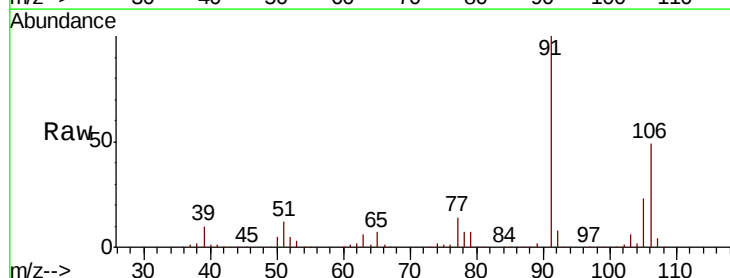
Acq: 21 Apr 2020 14:31

Tgt Ion: 106 Resp: 348057

Ion Ratio Lower Upper

106 100

91 204.5 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): VU037821.D (-2585) (-)

Ion 91.00 (90.70 to 91.70): VU037821.D (-2585) (-)

9.71

500000

400000

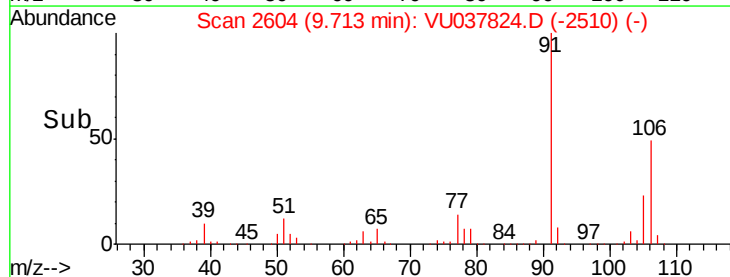
300000

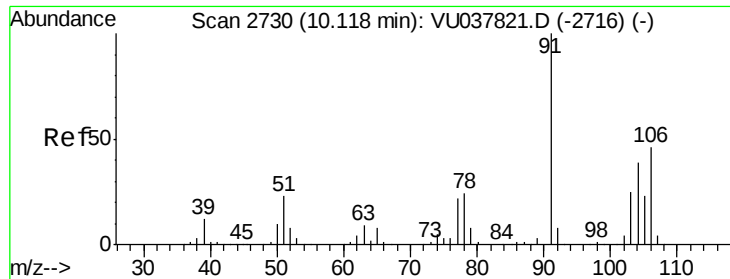
200000

100000

0

Time-->





#54

o-xylene

Concen: 48.491 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

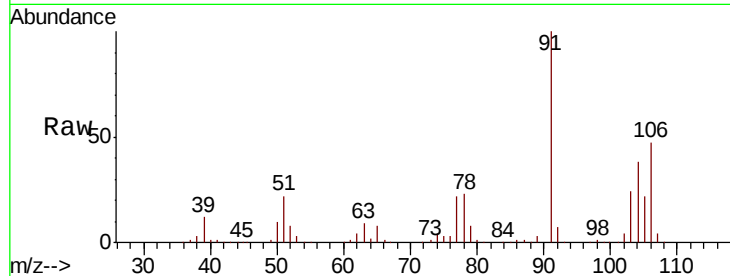
ClientSampleId :

Tot Ion:106 Resp: 344271

Ion Ratio Lower Upper

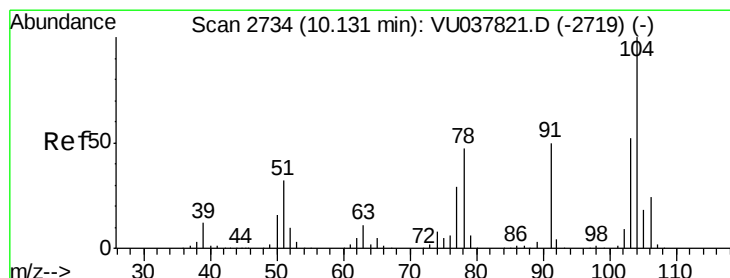
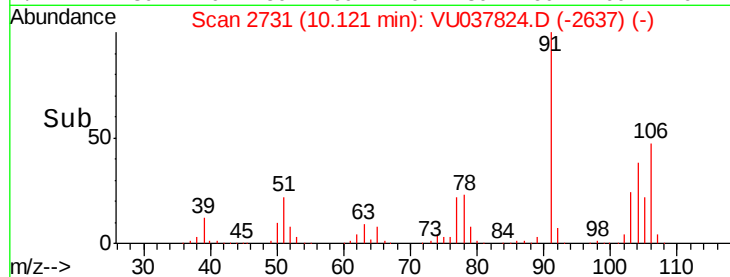
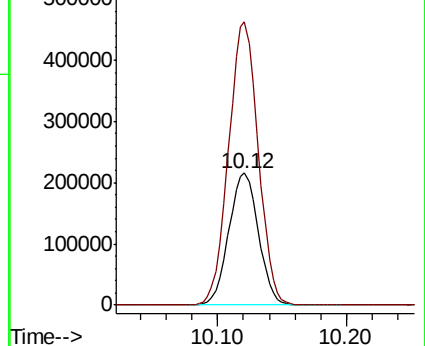
106 100

91 214.6 153.0 284.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 47.886 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037824.D

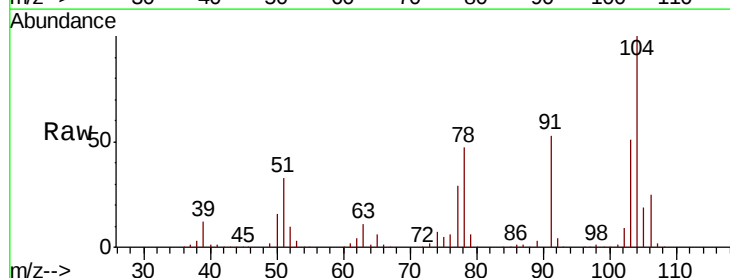
Acq: 21 Apr 2020 14:31

Tgt Ion:104 Resp: 589211

Ion Ratio Lower Upper

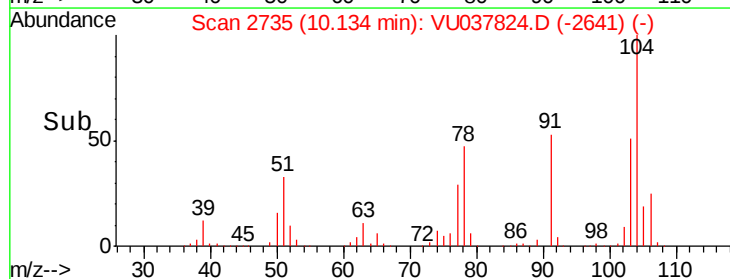
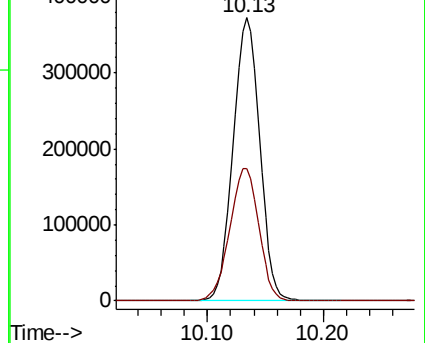
104 100

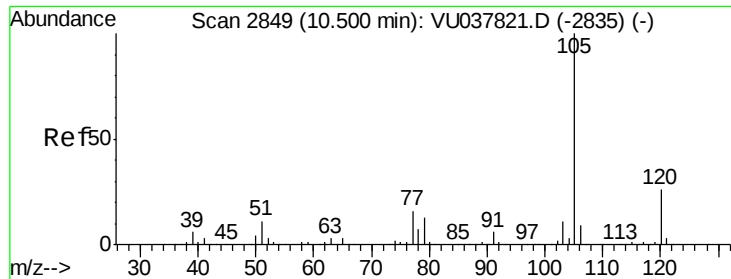
78 46.7 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.050 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

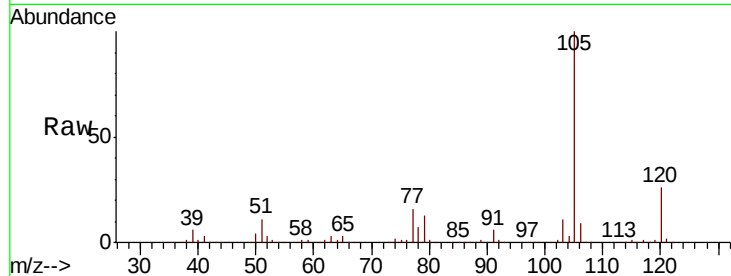
Tot Ion:105 Resp: 906441

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

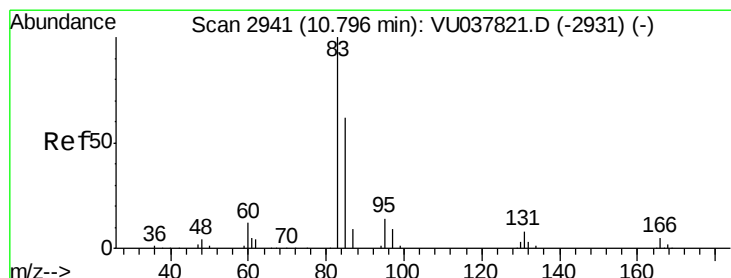
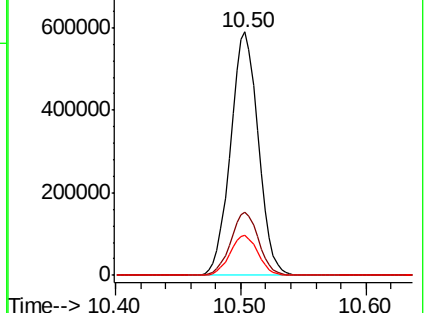
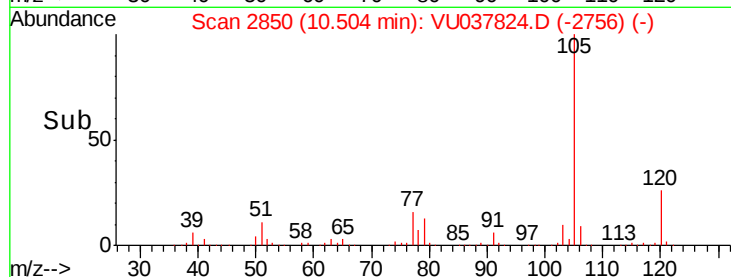
77 16.6 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.036 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.01 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

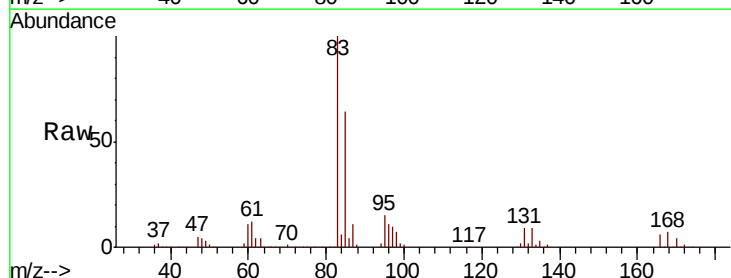
Tgt Ion: 83 Resp: 331833

Ion Ratio Lower Upper

83 100

85 63.8 44.7 83.1

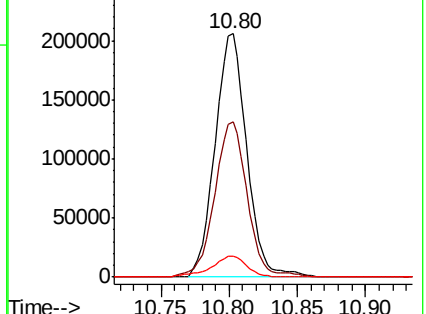
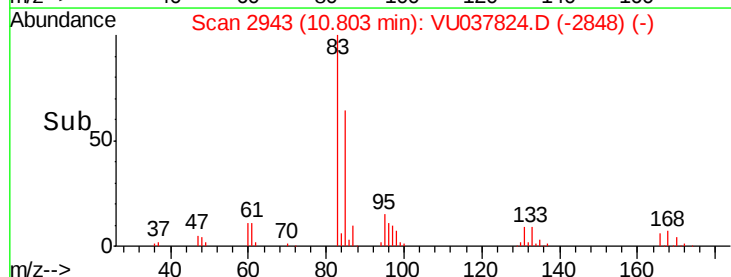
131 8.8 7.3 10.9

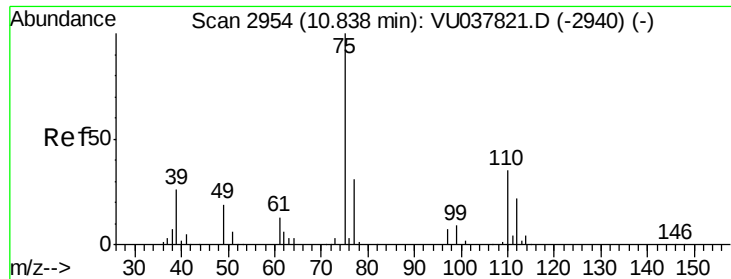


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.152 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

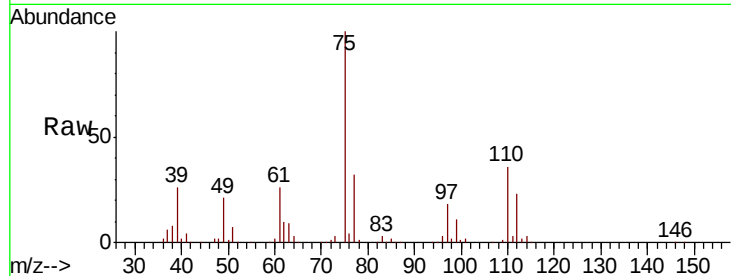
ClientSampled :

Tot Ion: 75 Resp: 281845

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU037821.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037821.D (-2940) (-)

10.84

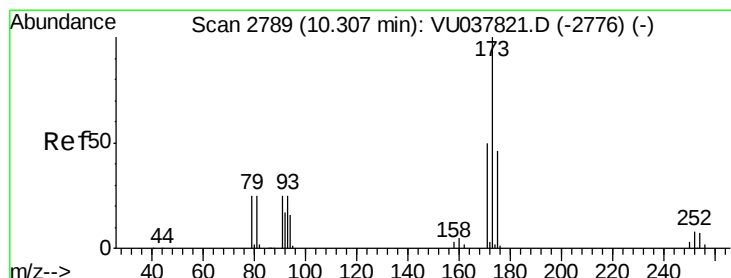
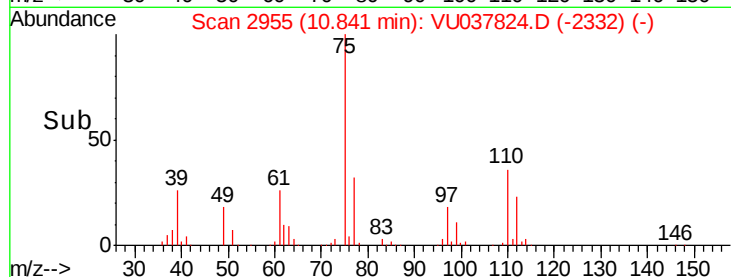
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.810 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

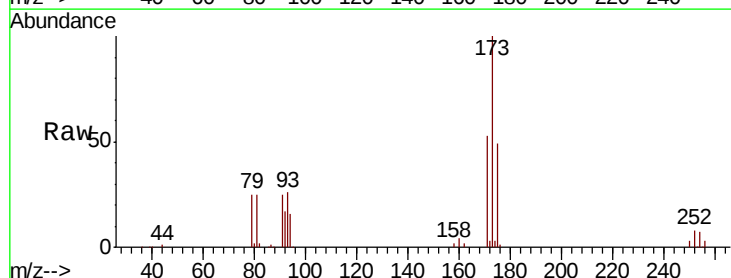
Tgt Ion: 173 Resp: 147528

Ion Ratio Lower Upper

173 100

175 49.1 37.4 56.2

254 7.5 5.7 8.5



Abundance Ion 173.00 (172.70 to 173.70): VU037821.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037821.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037821.D (-2776) (-)

10.31

120000

100000

80000

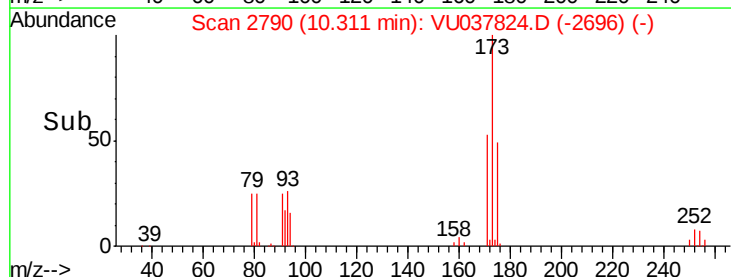
60000

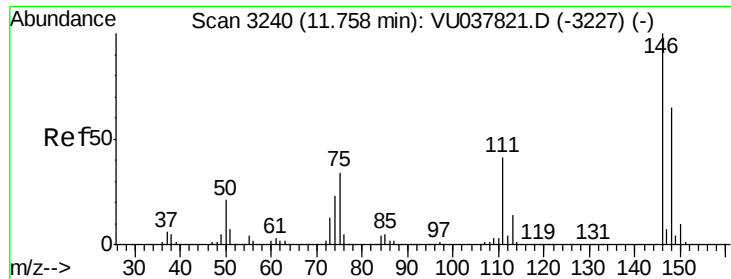
40000

20000

0

Time-->

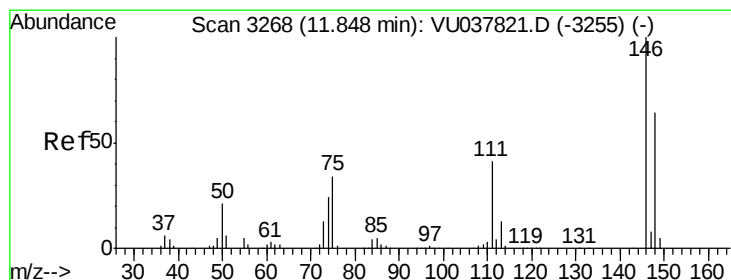
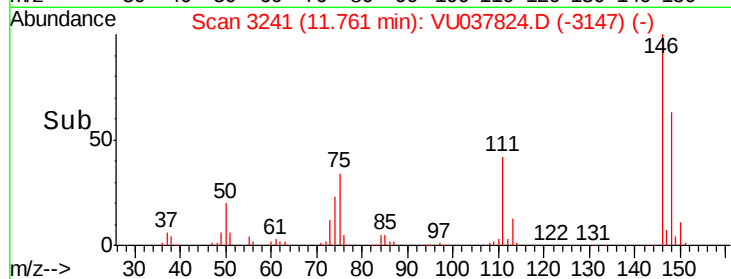
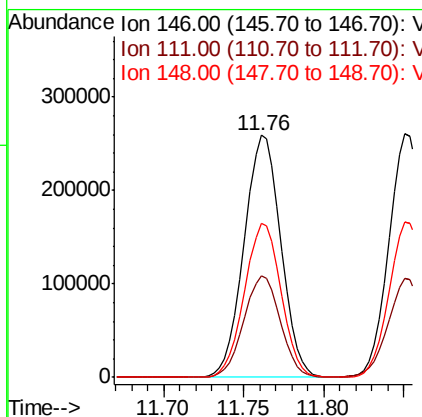
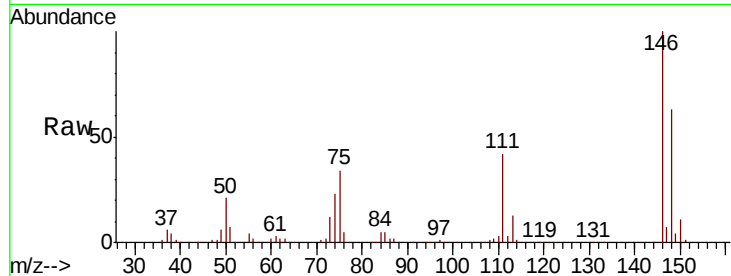




#62
 1,3-Dichlorobenzene
 Concen: 47.725 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

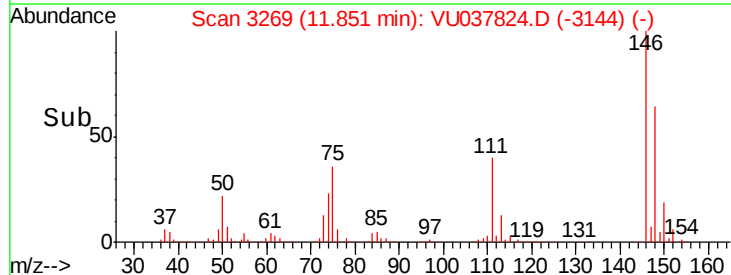
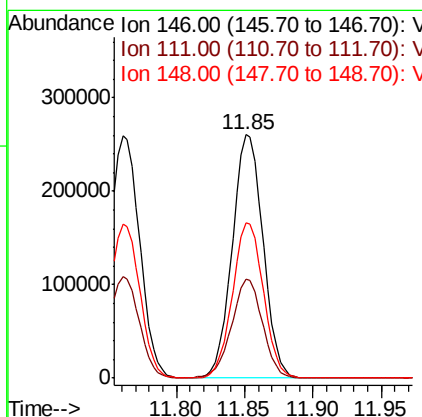
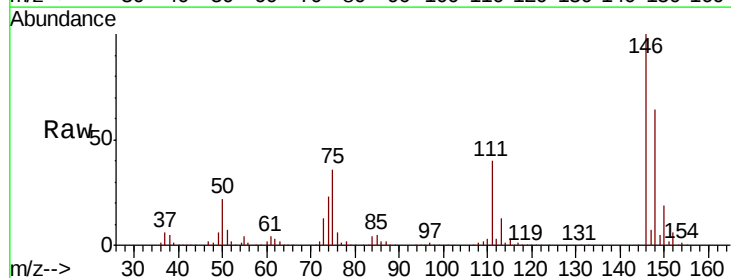
Instrument :
 MSVOA_U
 ClientSampleId :

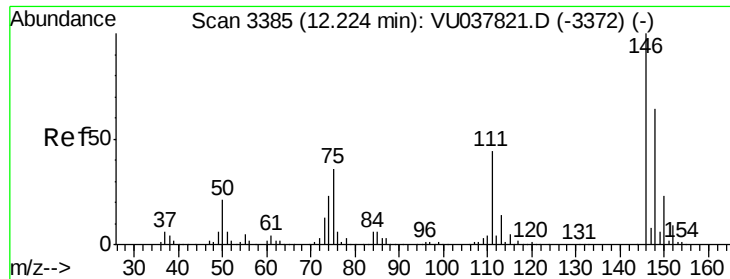
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.9	53.7
148	63.4	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 47.469 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.6	53.2
148	63.7	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 47.702 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

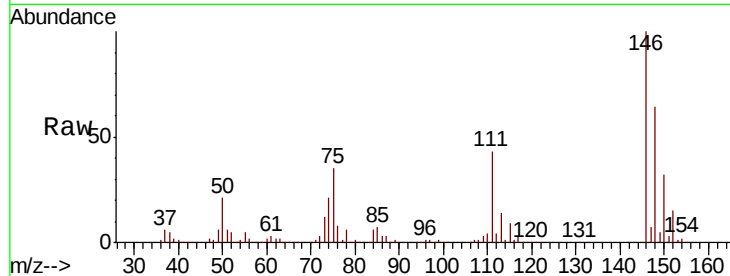
Tot Ion:146 Resp: 400581

Ion Ratio Lower Upper

146 100

111 43.4 35.3 52.9

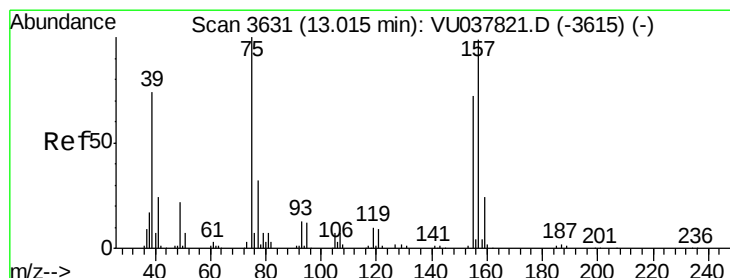
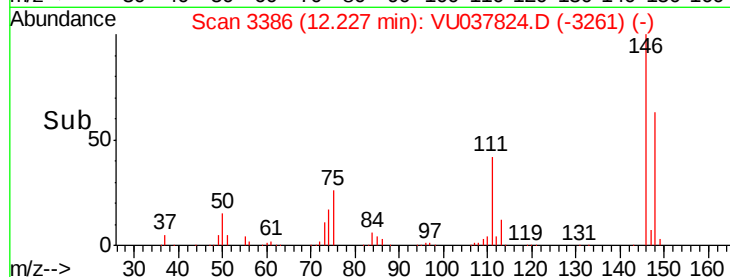
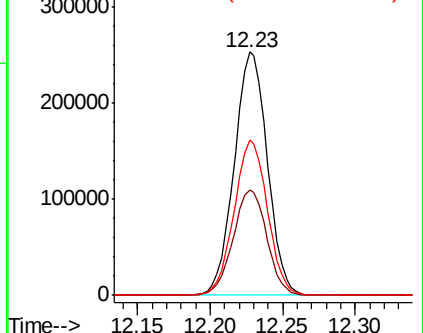
148 63.6 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.302 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

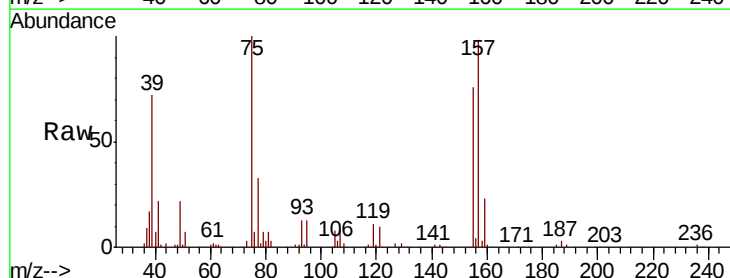
Tgt Ion: 75 Resp: 84978

Ion Ratio Lower Upper

75 100

155 76.1 57.6 86.4

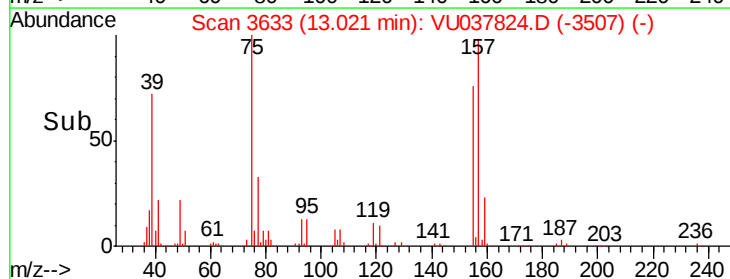
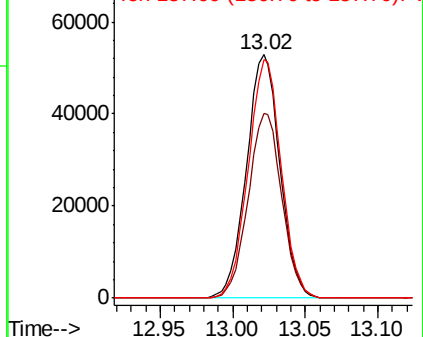
157 97.9 79.2 118.8

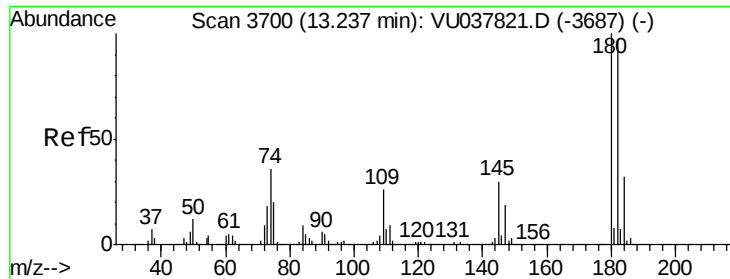


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

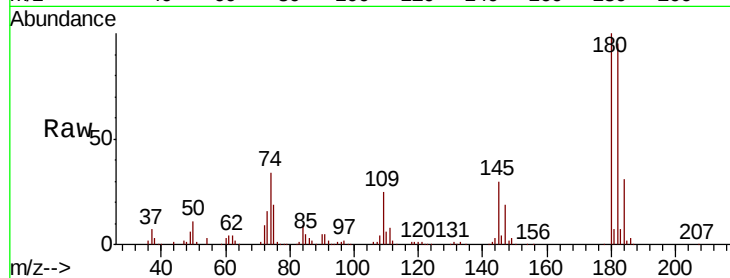




#67
 1,3,5-Trichlorobenzene
 Concen: 48.186 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	297762
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	30.7	24.7	37.1
145	30.5	23.7	35.5



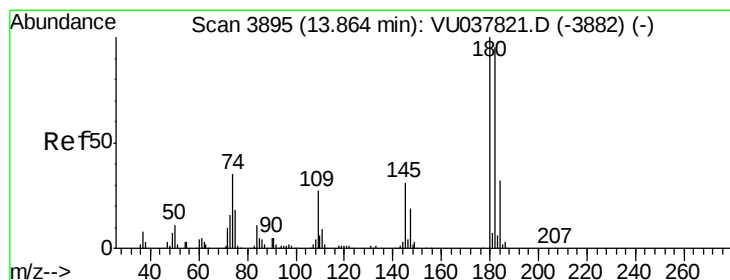
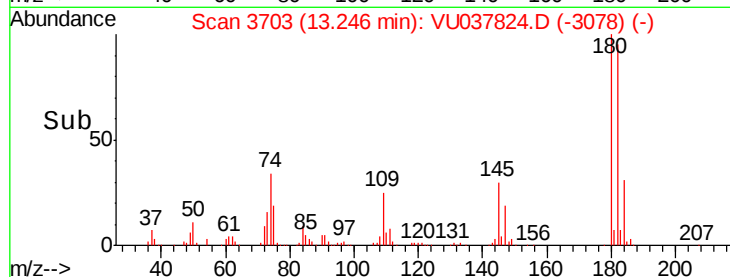
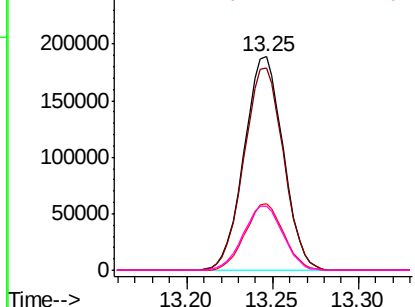
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

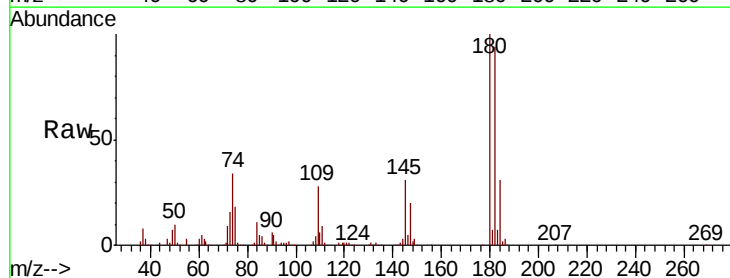
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.918 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037824.D
 Acq: 21 Apr 2020 14:31

Tgt Ion:	180	Resp:	293430
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	30.7	24.3	36.5

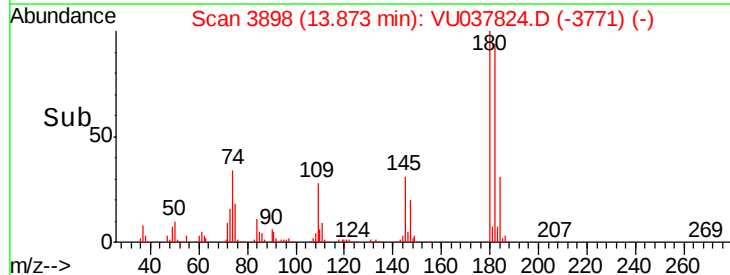
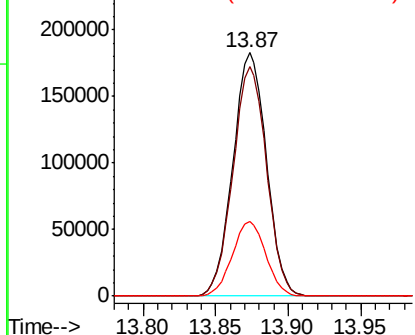


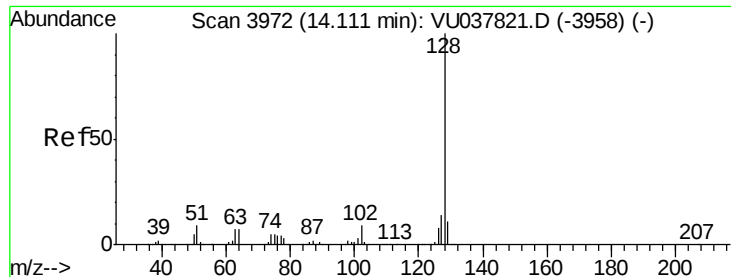
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.078 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

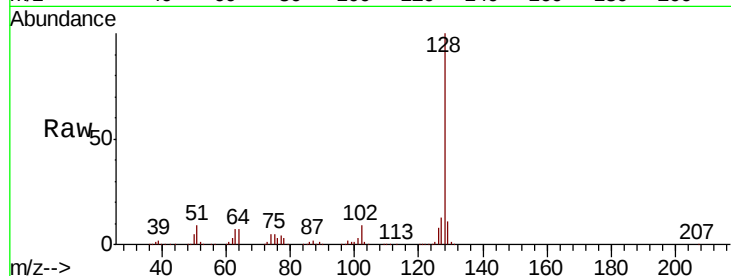
Tot Ion:128 Resp: 1057595

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

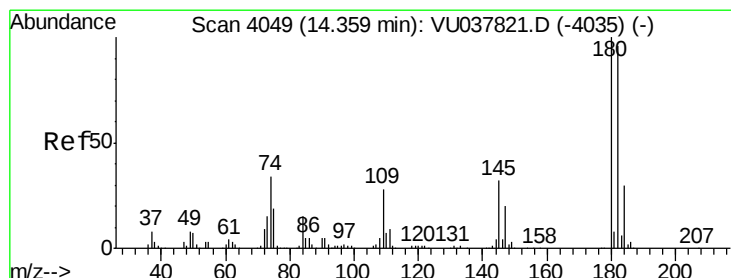
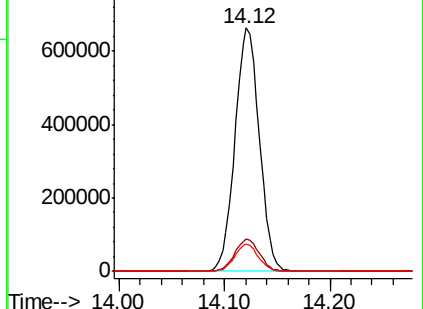
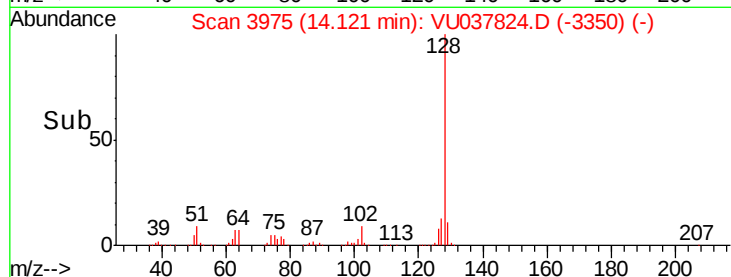
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.530 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037824.D

Acq: 21 Apr 2020 14:31

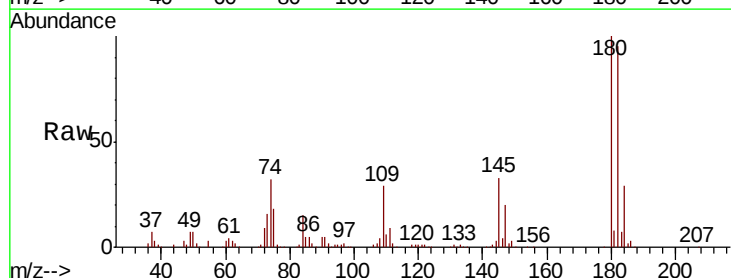
Tgt Ion:180 Resp: 289728

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

145 32.8 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

