

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037825.D
 Acq On : 21 Apr 2020 14:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:04:10 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	516055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	499152	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	248750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	224450	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.32%
7) Chloroethane-d5	1.93	69	186765	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.24%
11) 1,1-Dichloroethene-d2	2.59	63	376772	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.62%
21) 2-Butanone-d5	4.66	46	372824	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	5.10	84	363684	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.74	65	252321	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.76	84	763361	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.72	67	255591	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.92	98	700016	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%
43) trans-1,3-Dichloropropene-	8.20	79	129499	49.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.42%
47) 2-Hexanone-d5	8.65	63	274986	101.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.13%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	352671	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	12.20	152	259553	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	214586	47.164	ug/L 98
3) Chloromethane	1.54	50	229639	50.596	ug/L 99
5) Vinyl chloride	1.62	62	257311	48.414	ug/L 99
6) Bromomethane	1.87	94	105715	51.480	ug/L 98
8) Chloroethane	1.95	64	146505	46.942	ug/L 99
9) Trichlorofluoromethane	2.16	101	278550	47.390	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	158191	46.222	ug/L 98
12) 1,1-Dichloroethene	2.60	96	160087	47.443	ug/L 98
13) Acetone	2.65	43	219384	87.595	ug/L 99
14) Carbon disulfide	2.82	76	540980	48.068	ug/L 100
15) Methyl Acetate	2.98	43	261599	46.874	ug/L 99
16) Methylene chloride	3.08	84	188517	46.535	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	178803	48.015	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	628988	47.448	ug/L 100
19) 1,1-Dichloroethane	3.91	63	365711	47.297	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	200411	48.152	ug/L 99
22) 2-Butanone	4.74	43	387909	94.253	ug/L 100

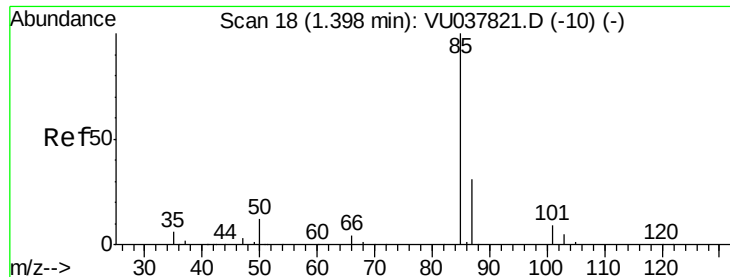
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037825.D
 Acq On : 21 Apr 2020 14:53
 Operator : JC/MD
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 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 14:28:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96651	48.354	ug/L	95
25) Chloroform	5.13	83	342574	47.318	ug/L	97
27) 1,2-Dichloroethane	5.83	62	295728	47.382	ug/L	100
29) Cyclohexane	5.42	56	355504	47.399	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	292869	47.878	ug/L	99
31) Carbon tetrachloride	5.56	117	239417	48.652	ug/L	99
33) Benzene	5.81	78	787656	48.144	ug/L	100
34) Trichloroethene	6.57	95	189063	46.811	ug/L	95
35) Methylcyclohexane	6.79	83	332336	47.130	ug/L	98
37) 1,2-Dichloropropane	6.82	63	222332	48.111	ug/L	100
38) Bromodichloromethane	7.13	83	267429	48.087	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	352723	48.457	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	755468	95.830	ug/L	100
42) Toluene	7.99	91	824455	47.586	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	342613	48.970	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	191907	48.059	ug/L	99
46) Tetrachloroethene	8.57	164	137625	47.435	ug/L	98
48) 2-Hexanone	8.71	43	588518	94.104	ug/L	100
49) Dibromochloromethane	8.83	129	201411	48.449	ug/L	99
50) 1,2-Dibromoethane	8.94	107	207626	48.441	ug/L	97
51) Chlorobenzene	9.47	112	512956	47.410	ug/L	98
52) Ethylbenzene	9.59	91	928661	47.794	ug/L	99
53) m,p-Xylene	9.71	106	351165	47.657	ug/L	97
54) o-xylene	10.12	106	343938	48.034	ug/L	97
55) Styrene	10.13	104	596700	48.084	ug/L	100
56) Isopropylbenzene	10.50	105	911567	47.913	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	344470	48.414	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	289191	46.954	ug/L	99
61) Bromoform	10.31	173	152820	49.057	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	402167	47.798	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	405985	47.789	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	394782	47.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	89356	49.257	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	288690	47.264	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	284089	48.894	ug/L	100
69) Naphthalene	14.11	128	1023265	49.998	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	281140	48.624	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.164 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

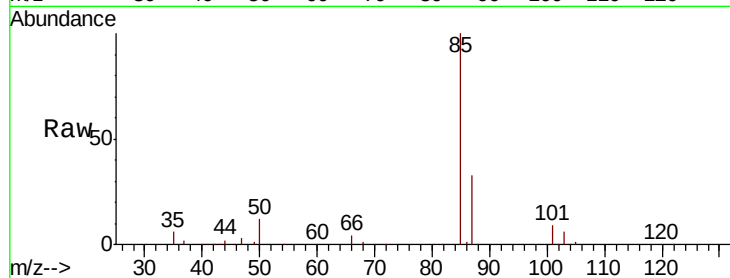
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 214586

Ion Ratio Lower Upper

85 100

87 32.4 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU037825.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037825.D (-10) (-)

1.40

200000

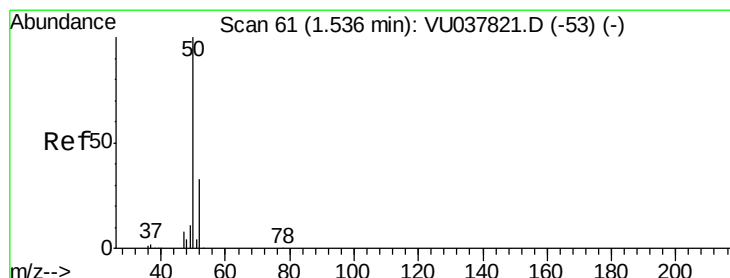
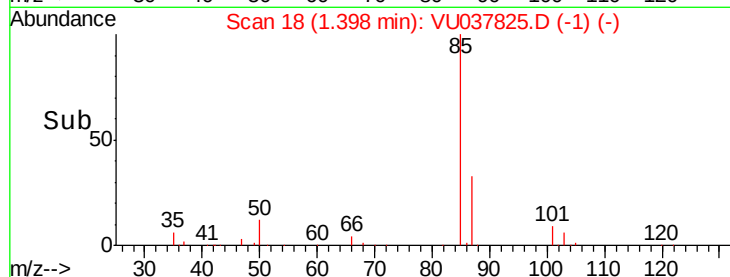
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.596 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037825.D

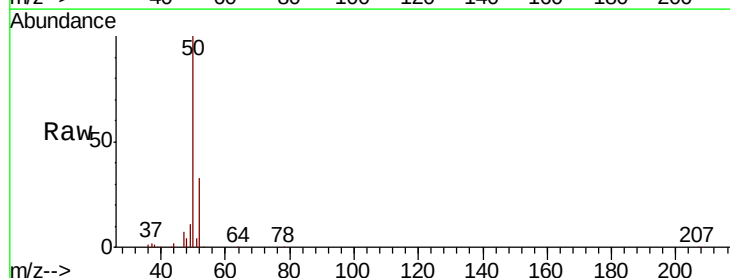
Acq: 21 Apr 2020 14:53

Tgt Ion: 50 Resp: 229639

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037825.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037825.D (-53) (-)

1.54

250000

200000

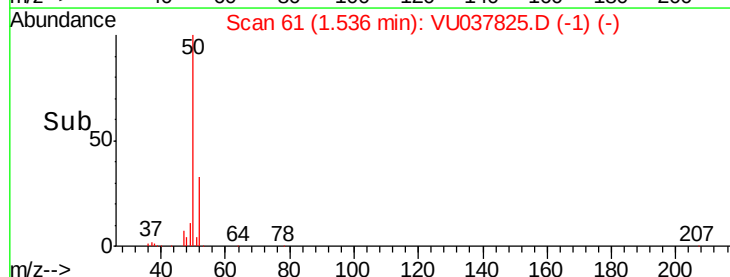
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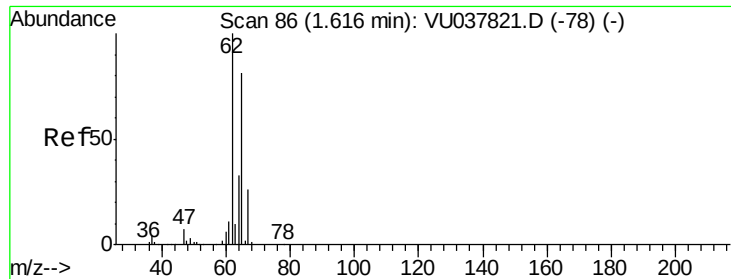
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.414 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

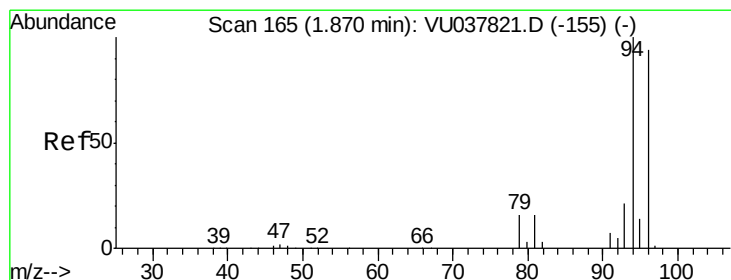
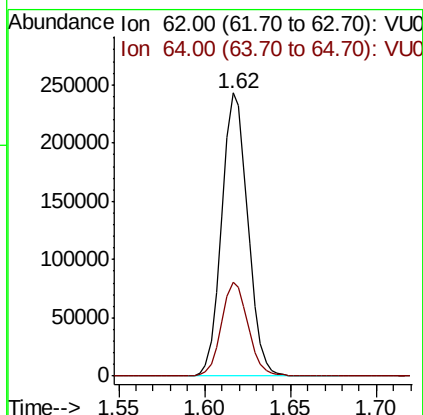
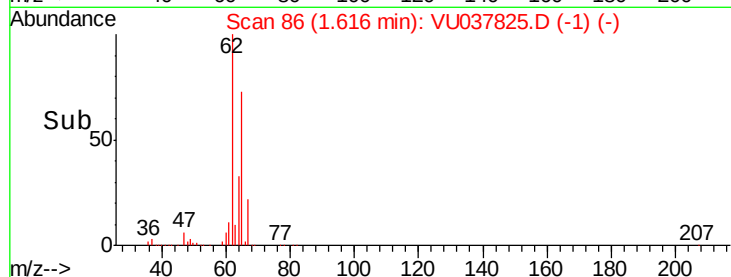
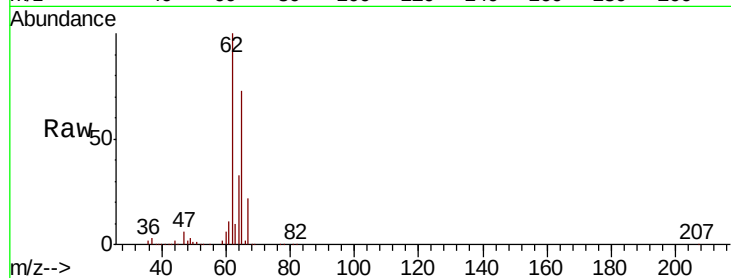
ClientSampled :

Tot Ion: 62 Resp: 257311

Ion Ratio Lower Upper

62 100

64 33.4 23.6 43.8



#6

Bromomethane

Concen: 51.480 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037825.D

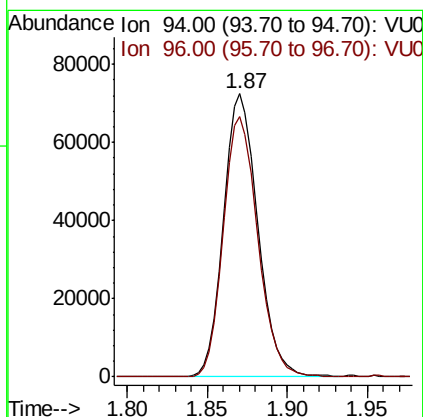
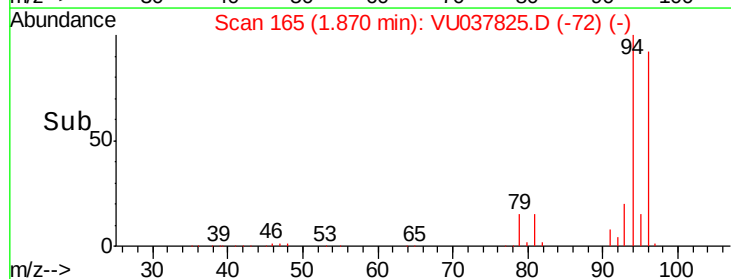
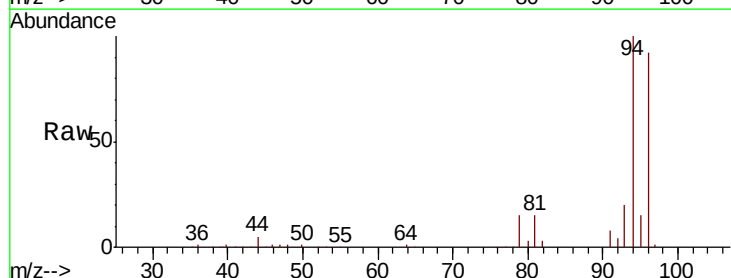
Acq: 21 Apr 2020 14:53

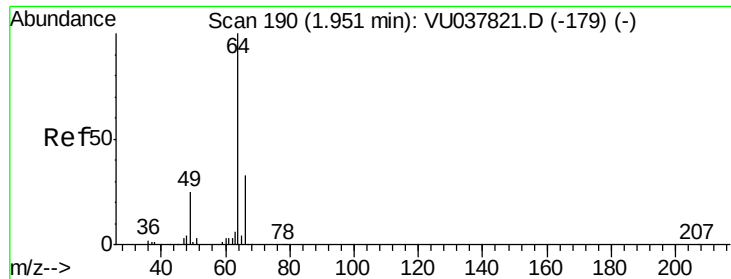
Tgt Ion: 94 Resp: 105715

Ion Ratio Lower Upper

94 100

96 92.0 66.0 122.6

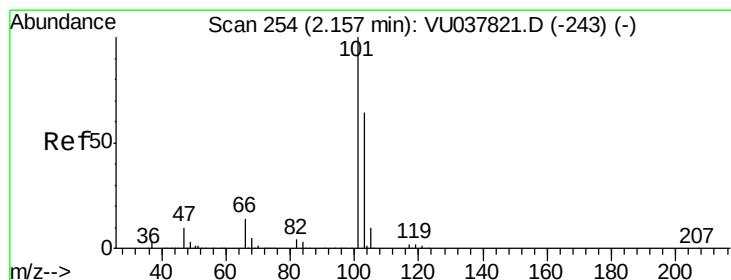
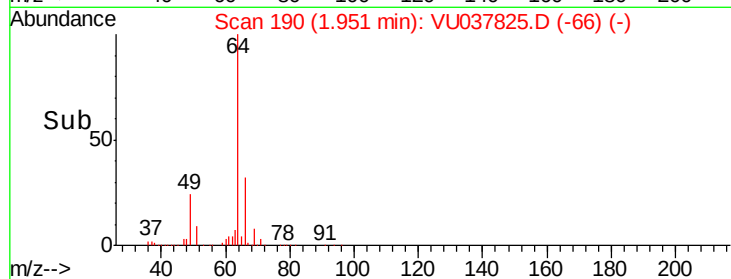
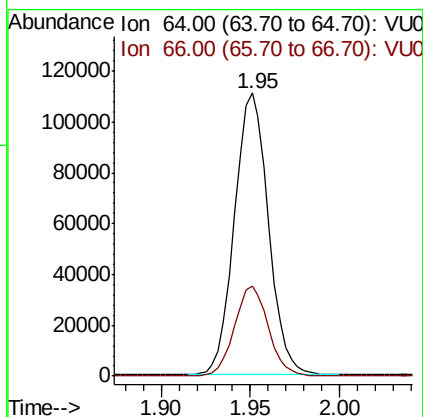
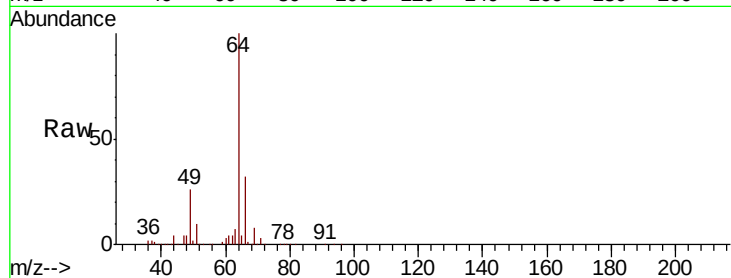




#8
Chloroethane
Concen: 46.942 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

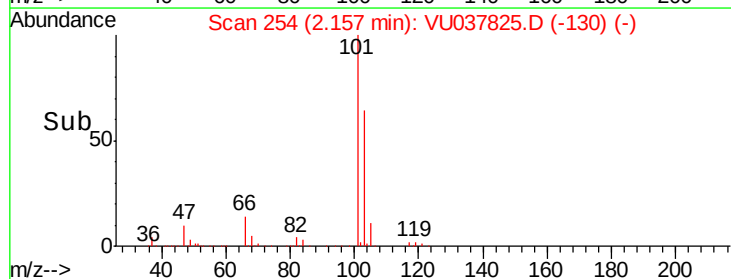
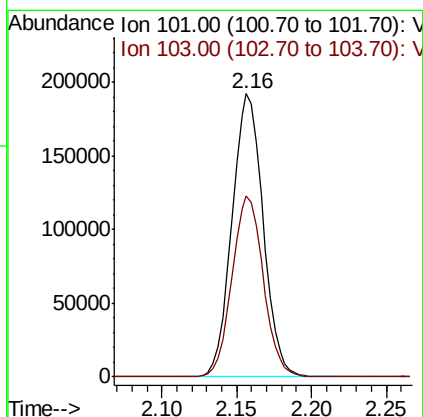
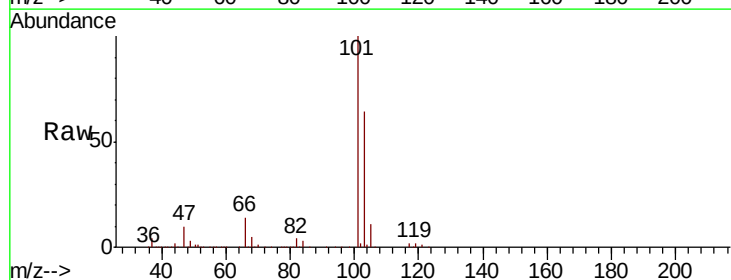
Instrument :
MSVOA_U
ClientSampleId :

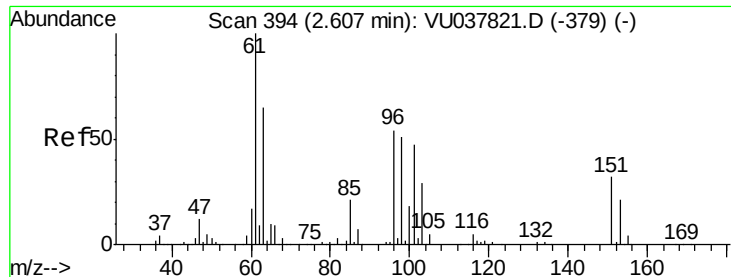
Tot Ion: 64 Resp: 146505
Ion Ratio Lower Upper
64 100
66 31.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 47.390 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion:101 Resp: 278550
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5





#10

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

Concen: 46.222 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

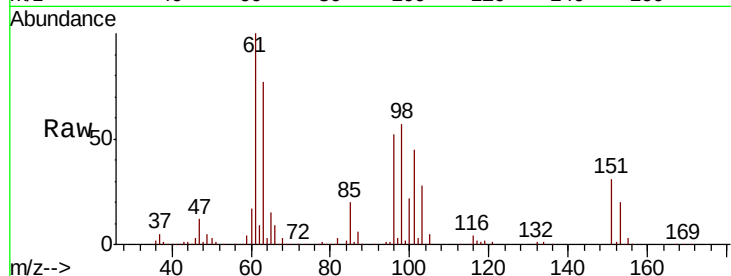
Tot Ion:101 Resp: 158191

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

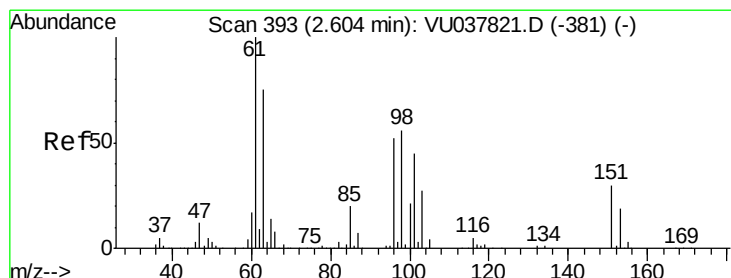
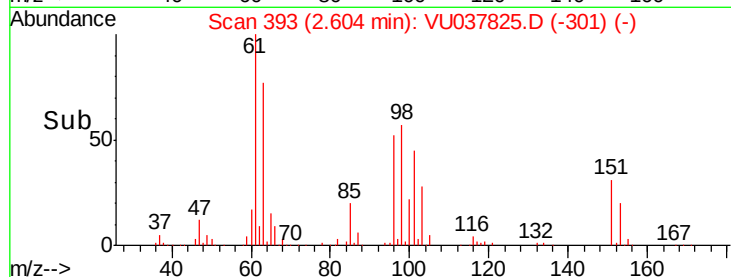
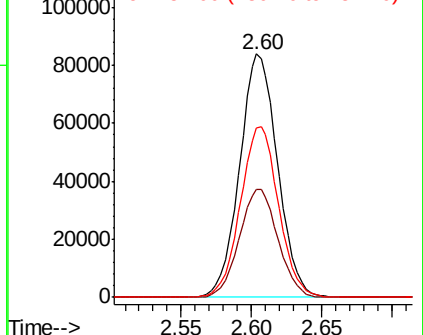
151 70.5 55.2 82.8



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: 47.443 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

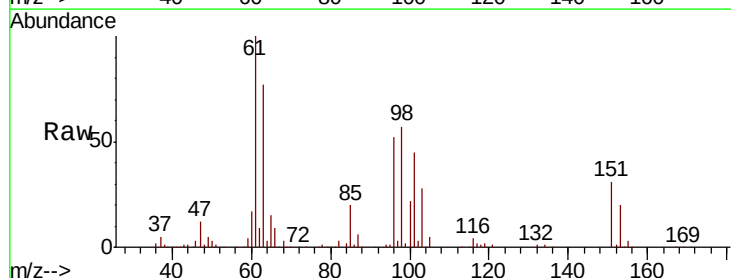
Tgt Ion: 96 Resp: 160087

Ion Ratio Lower Upper

96 100

61 191.0 134.5 249.7

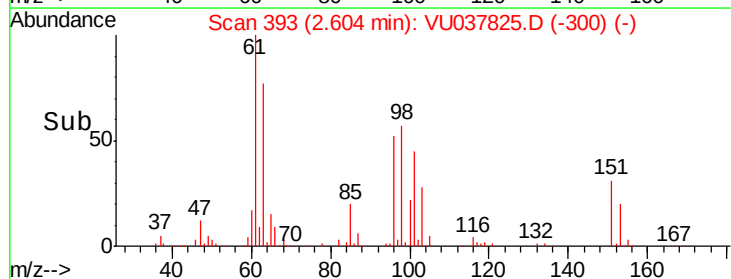
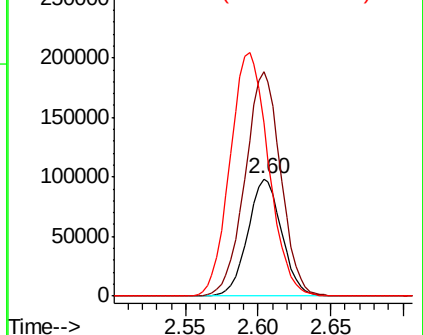
63 147.6 106.6 198.0

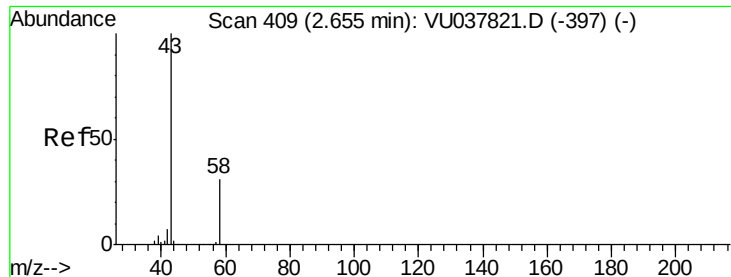


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.595 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

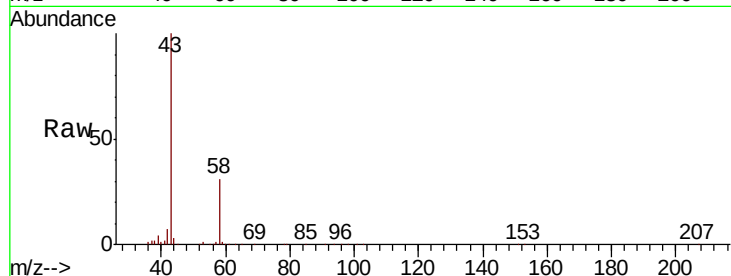
ClientSampled :

Tot Ion: 43 Resp: 219384

Ion Ratio Lower Upper

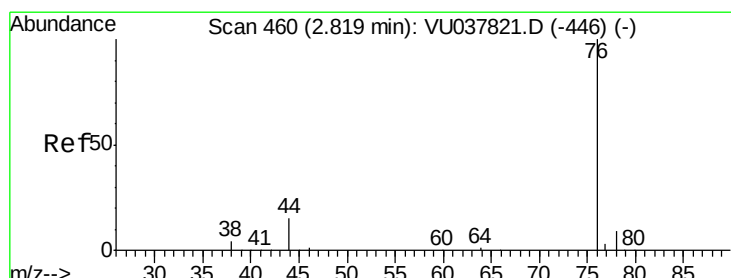
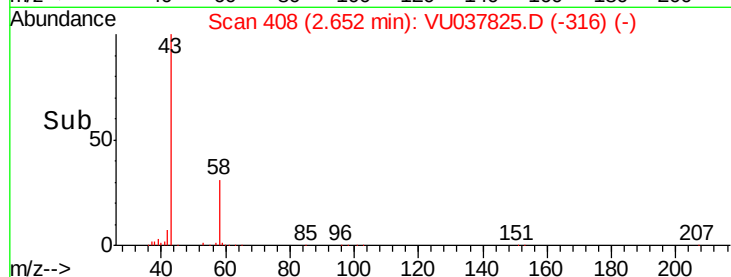
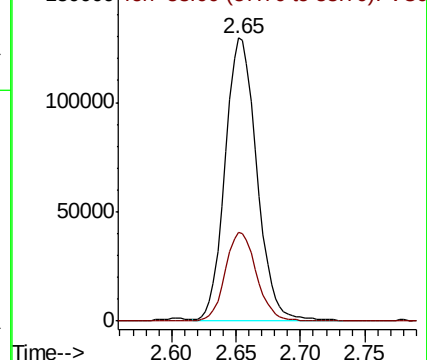
43 100

58 31.2 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037825.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037825.D (-316) (-)



#14

Carbon disulfide

Concen: 48.068 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037825.D

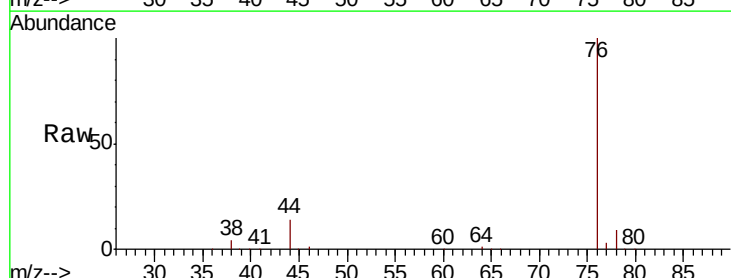
Acq: 21 Apr 2020 14:53

Tgt Ion: 76 Resp: 540980

Ion Ratio Lower Upper

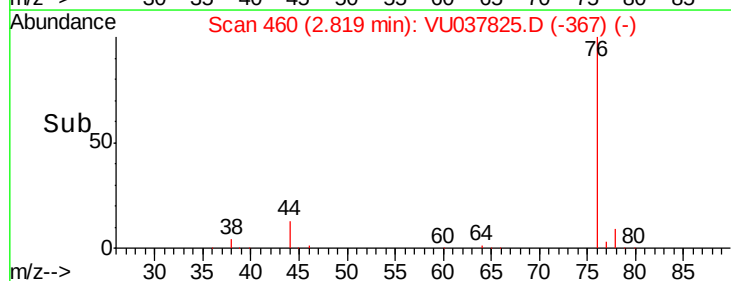
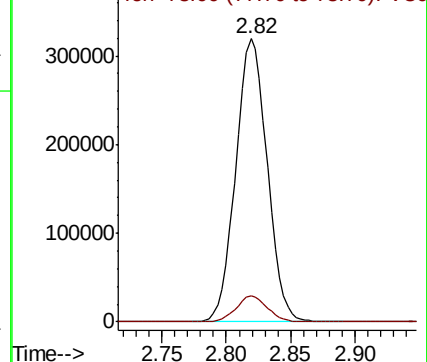
76 100

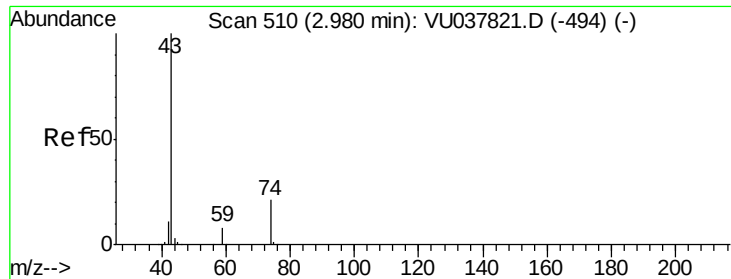
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037825.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037825.D (-367) (-)

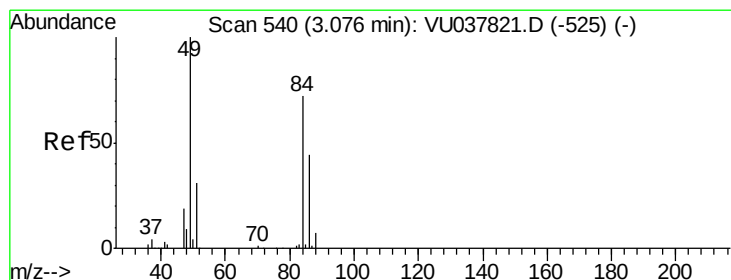
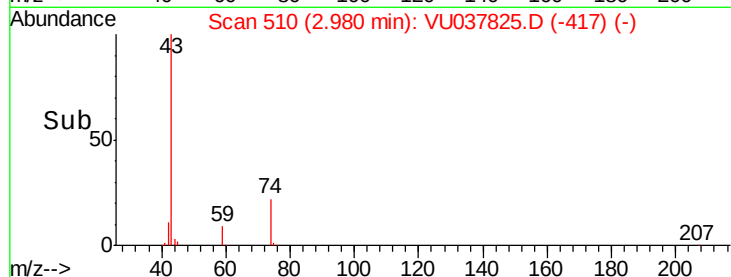
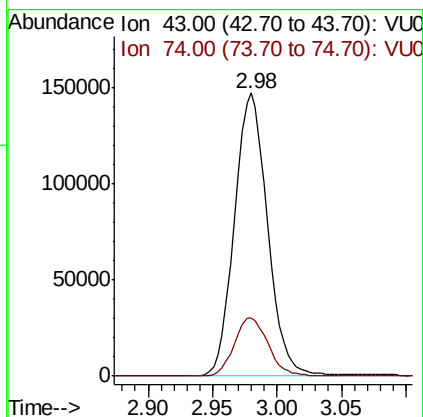
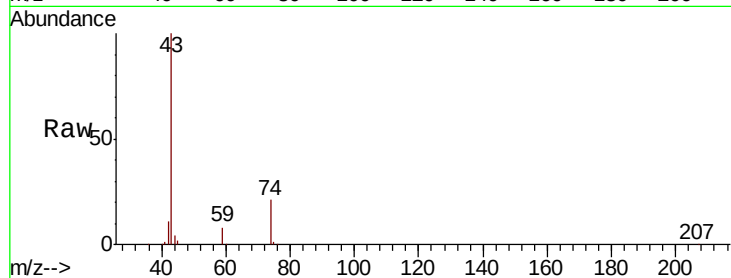




#15
Methvl Acetate
Concen: 46.874 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

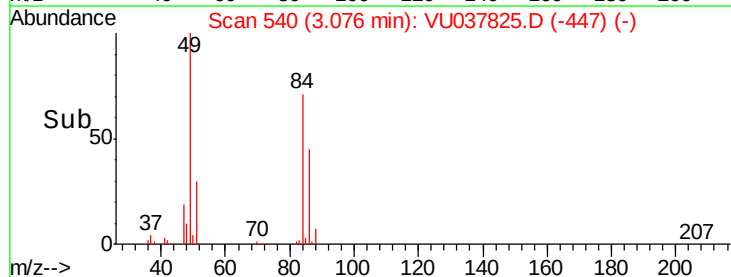
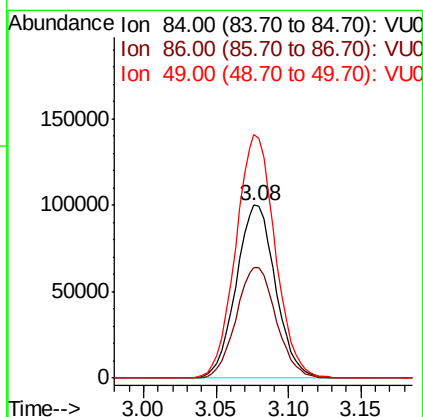
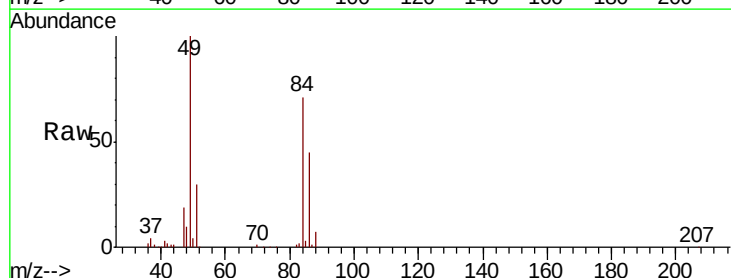
Instrument :
MSVOA_U
ClientSampleId :

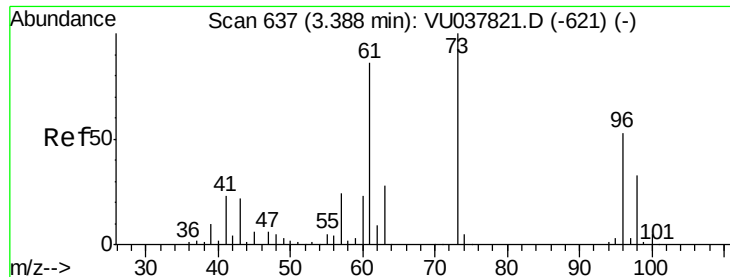
Tot Ion: 43 Resp: 261599
Ion Ratio Lower Upper
43 100
74 21.0 16.6 24.8



#16
Methylene chloride
Concen: 46.535 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion: 84 Resp: 188517
Ion Ratio Lower Upper
84 100
86 64.1 43.2 80.2
49 140.9 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 48.015 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

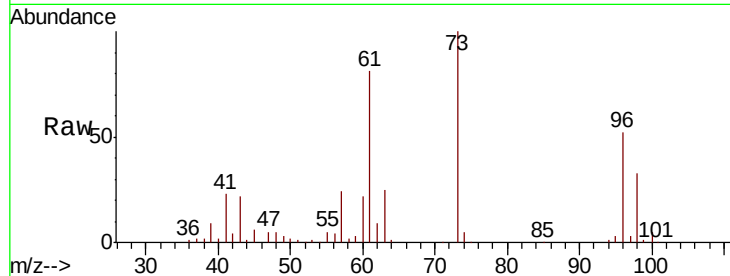
Tot Ion: 96 Resp: 178803

Ion Ratio Lower Upper

96 100

61 155.7 113.1 210.1

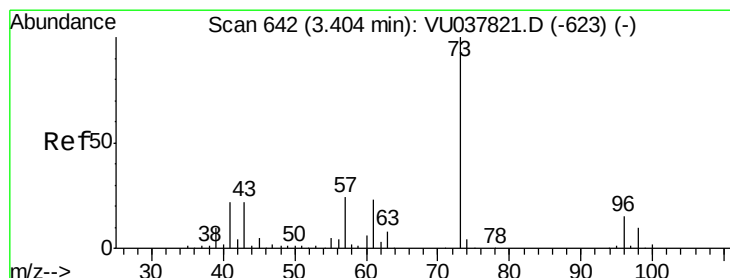
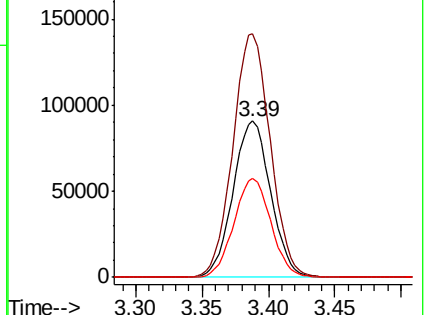
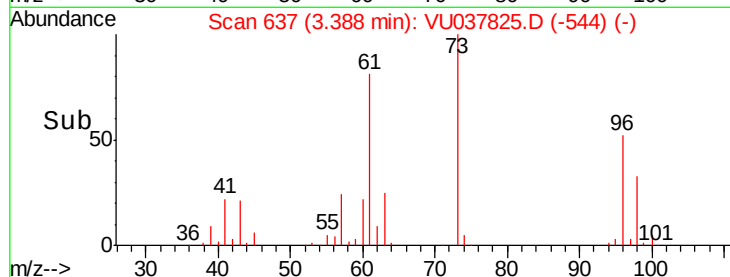
98 63.4 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VU037825.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037825.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037825.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 47.448 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

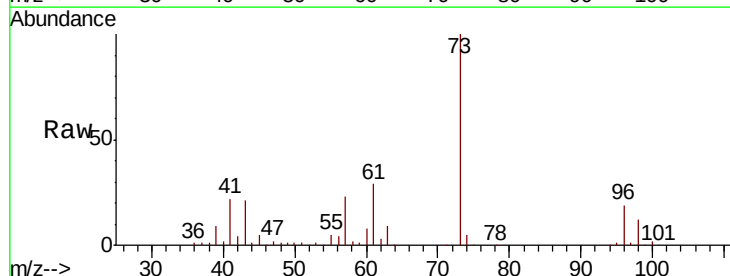
Tgt Ion: 73 Resp: 628988

Ion Ratio Lower Upper

73 100

43 21.4 17.2 25.8

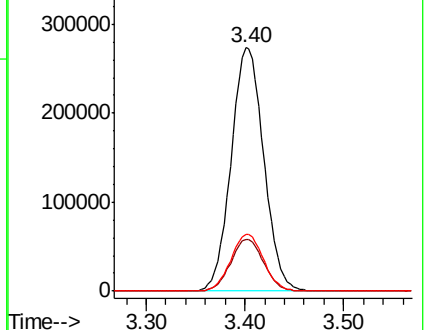
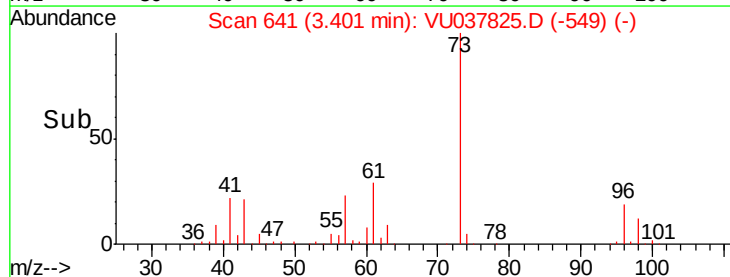
57 23.5 18.9 28.3

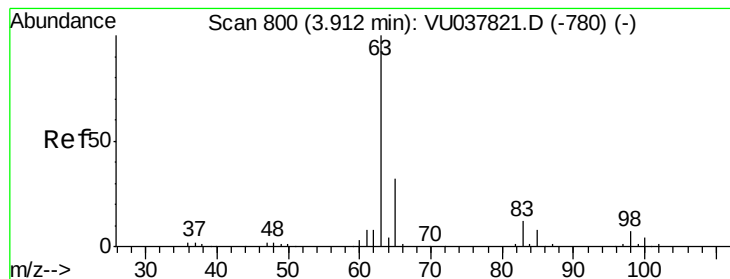


Abundance Ion 73.00 (72.70 to 73.70): VU037825.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU037825.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU037825.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 47.297 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

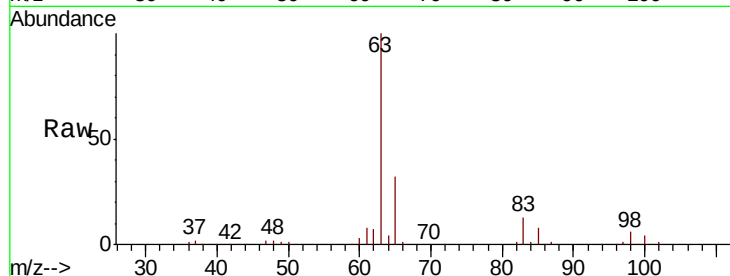
Tot Ion: 63 Resp: 365711

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

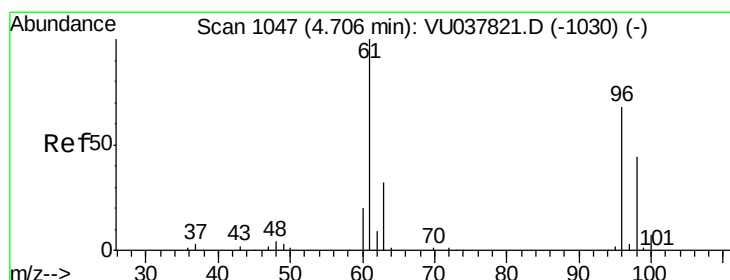
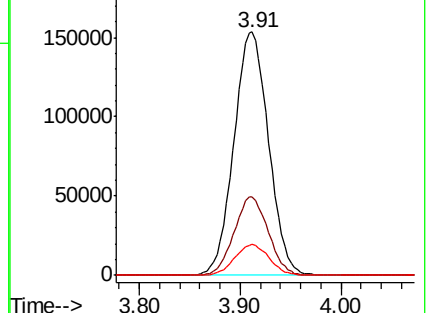
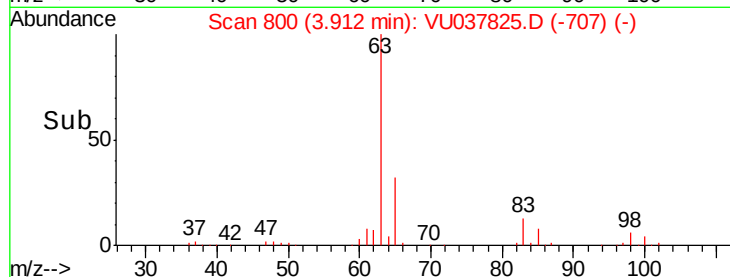
83 12.6 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU037825.D (-954) (-)

Ion 65.00 (64.70 to 65.70): VU037825.D (-954) (-)

Ion 83.00 (82.70 to 83.70): VU037825.D (-954) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.152 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

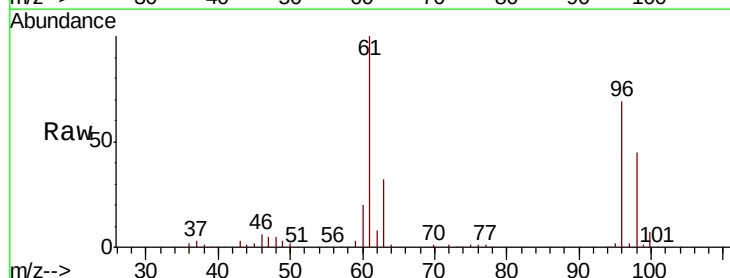
Tgt Ion: 96 Resp: 200411

Ion Ratio Lower Upper

96 100

61 145.2 102.6 190.5

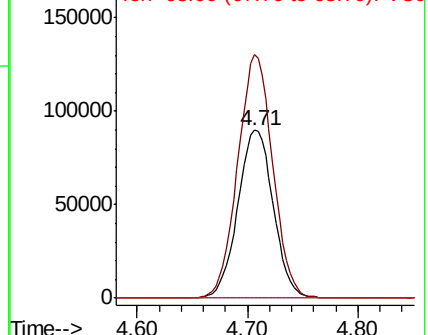
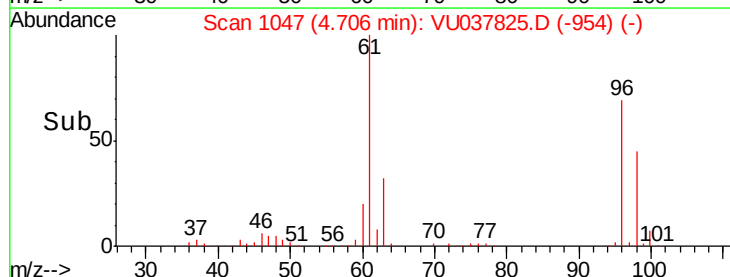
68 0.0 0.0 0.0

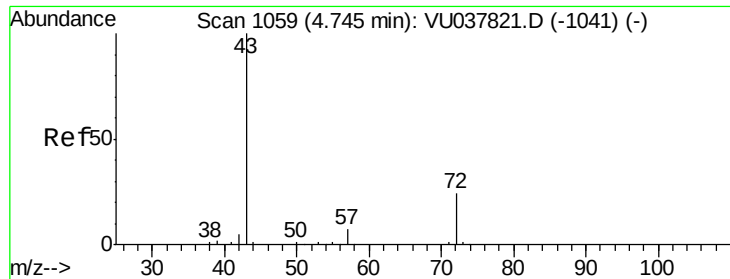


Abundance Ion 96.00 (95.70 to 96.70): VU037825.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037825.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037825.D (-954) (-)





#22

2-Butanone

Concen: 94.253 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

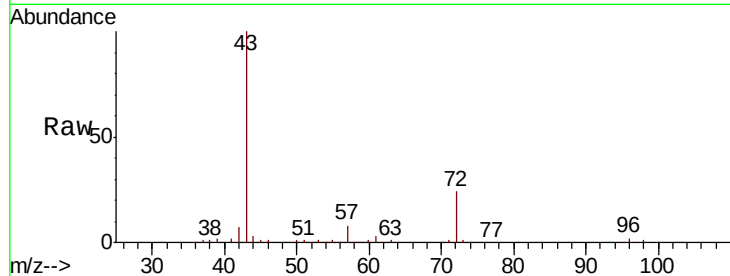
ClientSampleId :

Tot Ion: 43 Resp: 387909

Ion Ratio Lower Upper

43 100

72 24.4 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037825.D (-1041) (-)

Ion 72.00 (71.70 to 72.70): VU037825.D (-1041) (-)

4.74

200000

150000

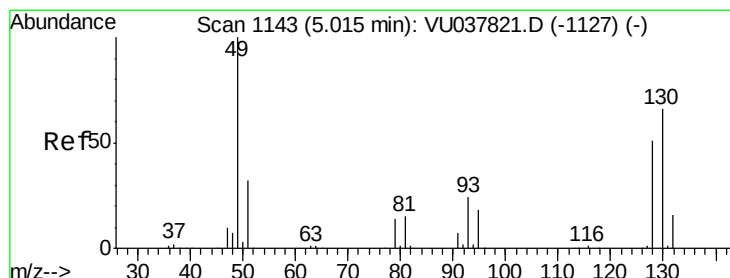
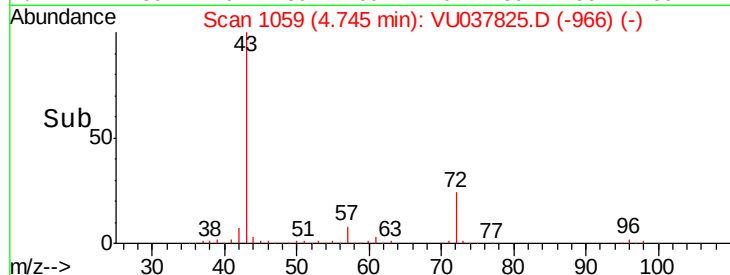
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 48.354 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Tgt Ion: 128 Resp: 96651

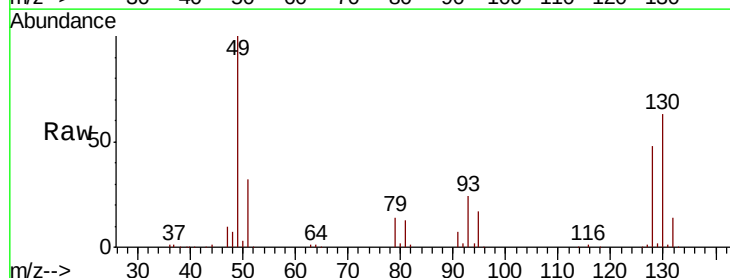
Ion Ratio Lower Upper

128 100

49 207.8 138.3 256.9

130 131.1 91.1 169.1

51 67.5 50.4 75.6



Abundance Ion 128.00 (127.70 to 128.70): VU037825.D (-1127) (-)

Ion 49.00 (48.70 to 49.70): VU037825.D (-1127) (-)

Ion 130.00 (129.70 to 130.70): VU037825.D (-1127) (-)

Ion 51.00 (50.70 to 51.70): VU037825.D (-1127) (-)

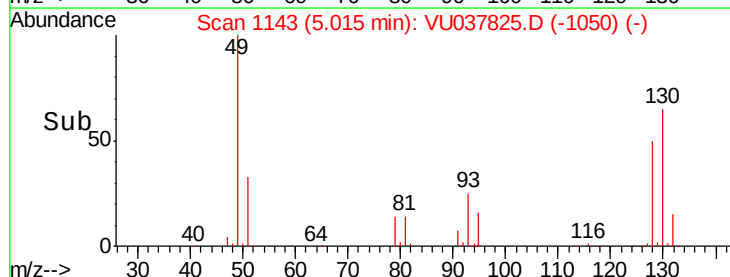
100000

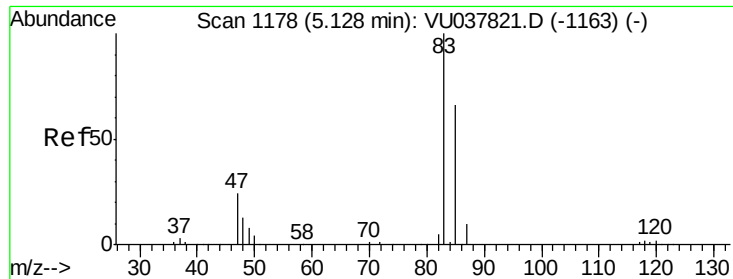
50000

0

4.95 5.05 5.10

Time-->

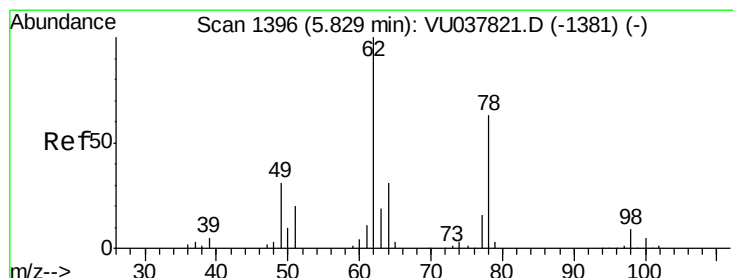
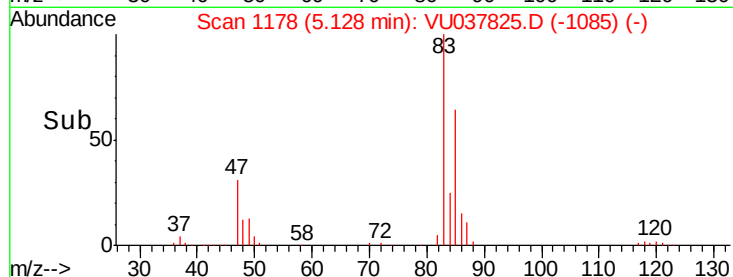
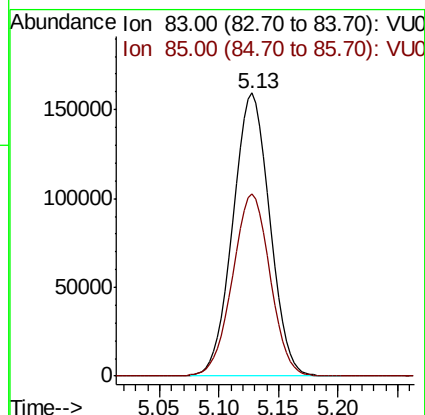
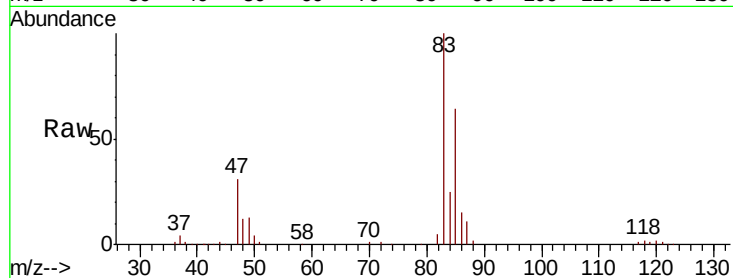




#25
Chloroform
Concen: 47.318 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

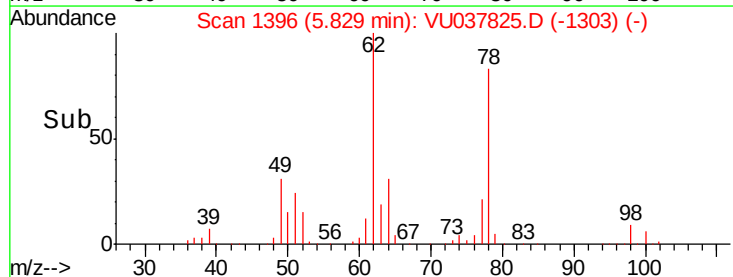
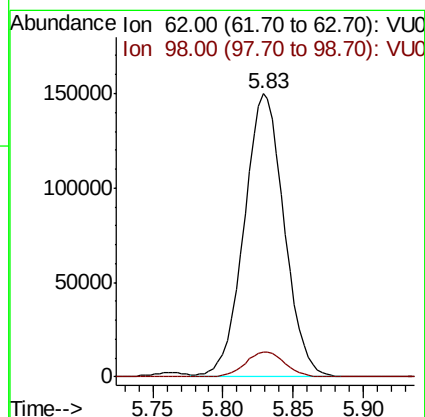
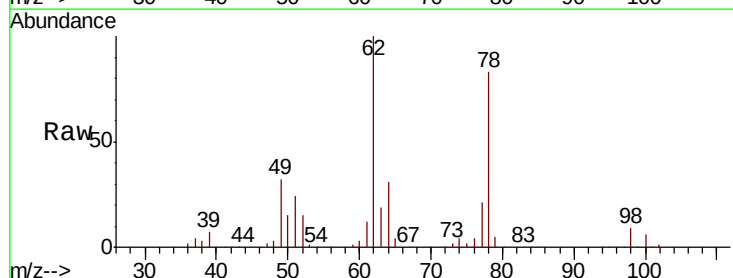
Instrument :
MSVOA_U
ClientSampleId :

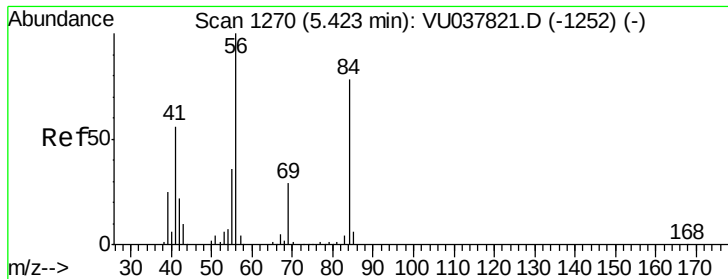
Tot Ion: 83 Resp: 342574
Ion Ratio Lower Upper
83 100
85 64.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 47.382 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion: 62 Resp: 295728
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

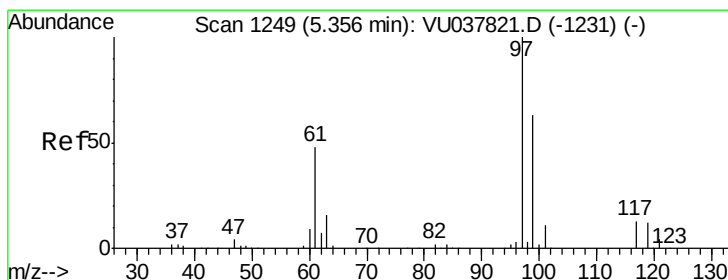
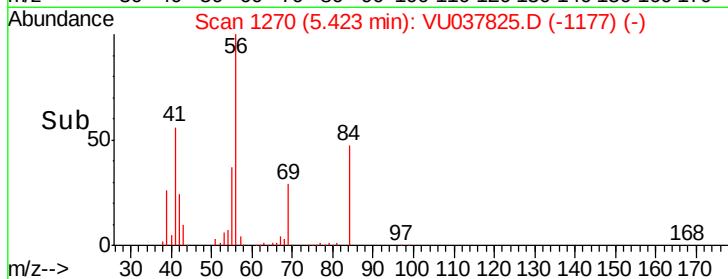
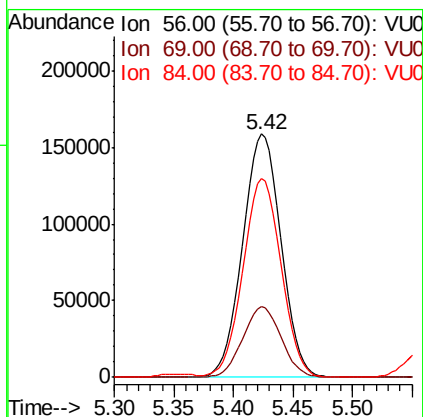
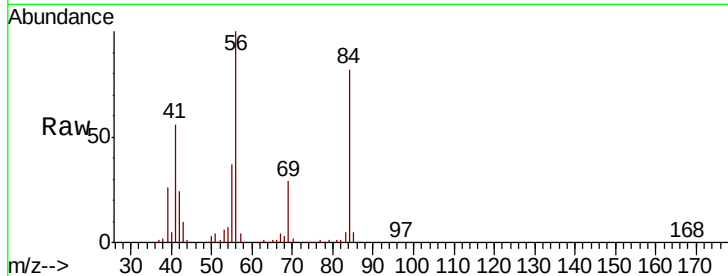




#29
Cyclohexane
Concen: 47.399 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

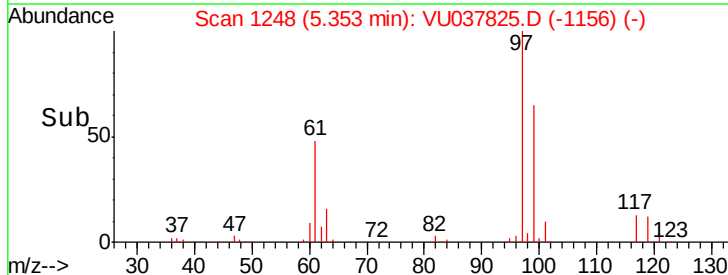
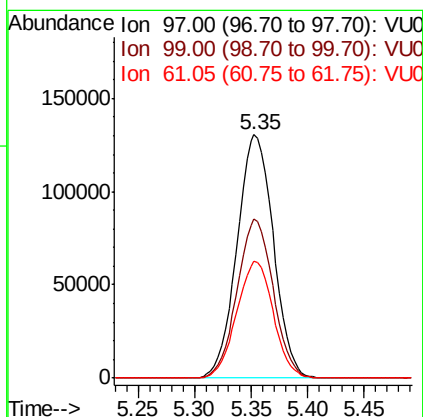
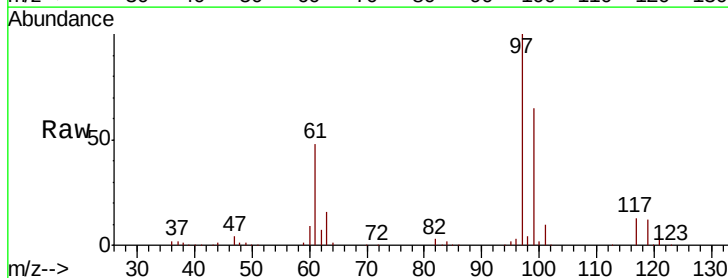
Instrument :
MSVOA_U
ClientSampled :

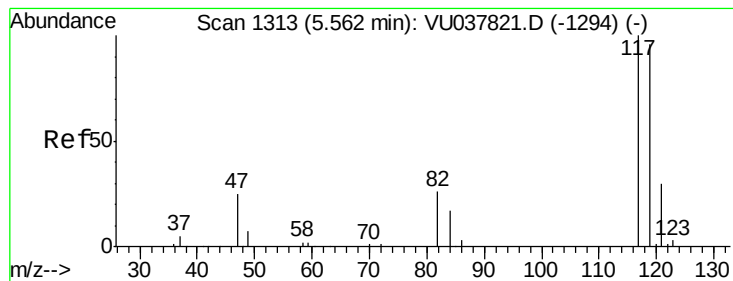
Tot Ion: 56 Resp: 355504
Ion Ratio Lower Upper
56 100
69 29.0 23.3 34.9
84 81.0 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 47.878 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion: 97 Resp: 292869
Ion Ratio Lower Upper
97 100
99 64.6 50.7 76.1
61 48.2 38.3 57.5





#31

Carbon tetrachloride

Concen: 48.652 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

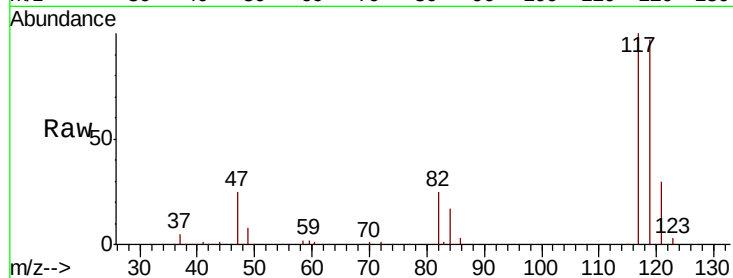
ClientSampleId :

Tot Ion:117 Resp: 239417

Ion Ratio Lower Upper

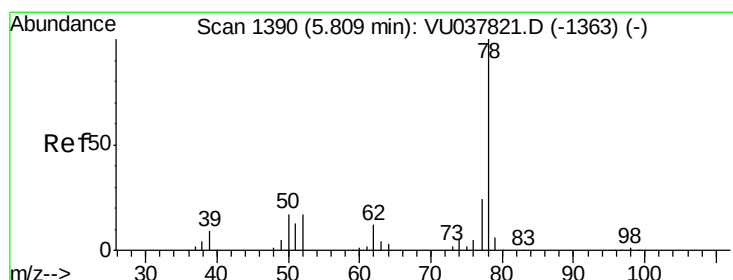
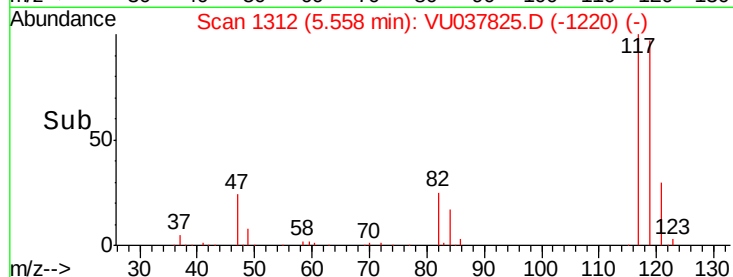
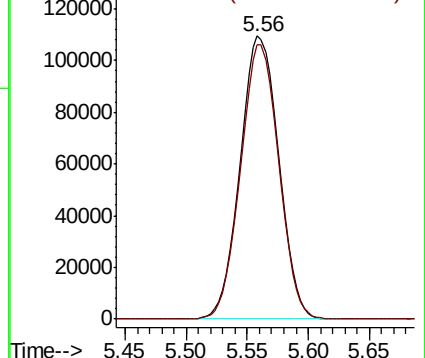
117 100

119 96.0 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: 48.144 ug/L

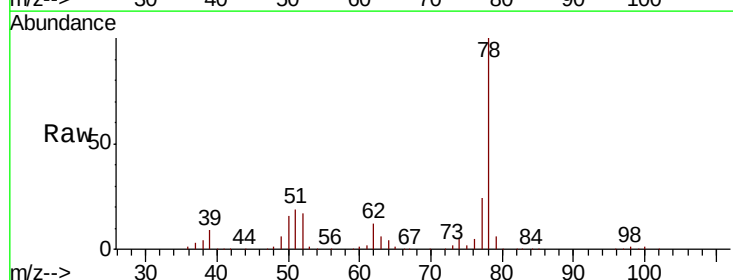
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

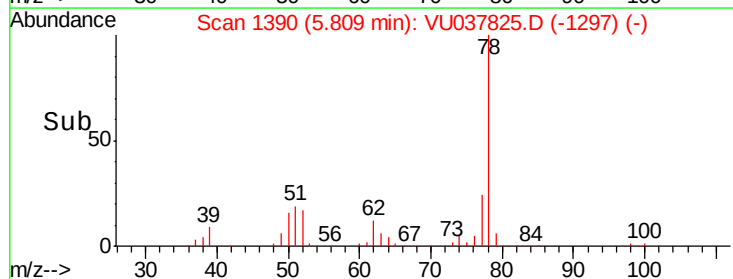
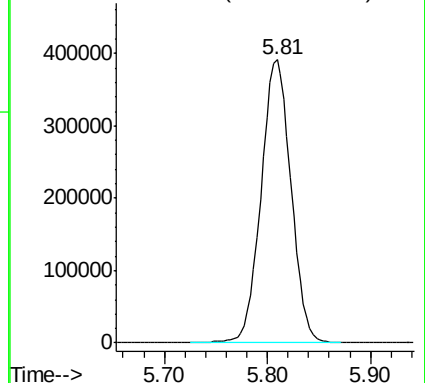
Lab File: VU037825.D

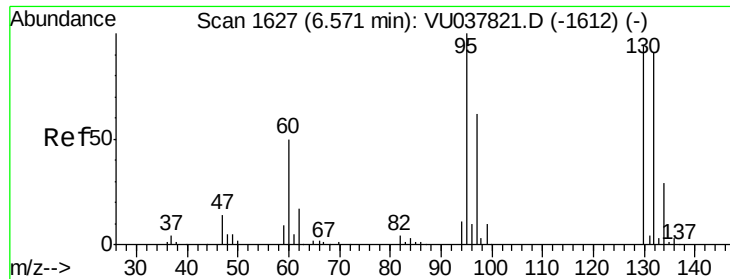
Acq: 21 Apr 2020 14:53

Tgt Ion: 78 Resp: 787656



Abundance Ion 78.00 (77.70 to 78.70): VU0

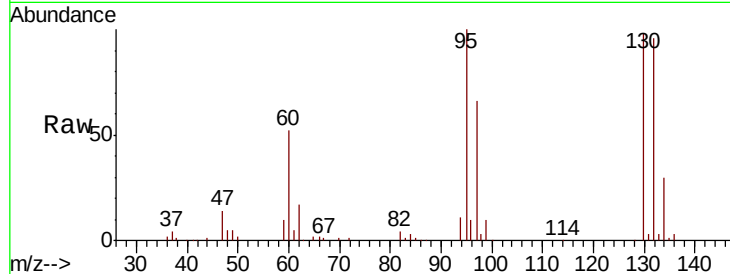




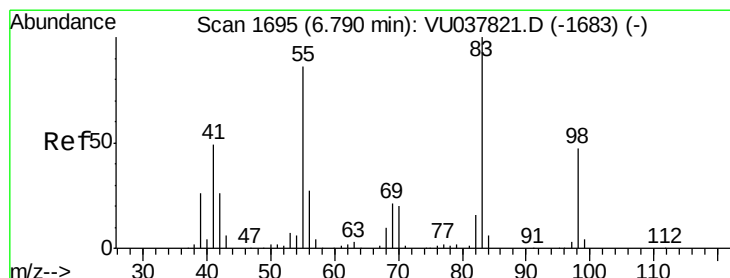
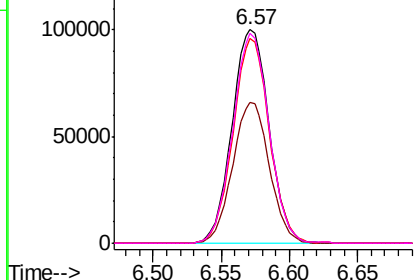
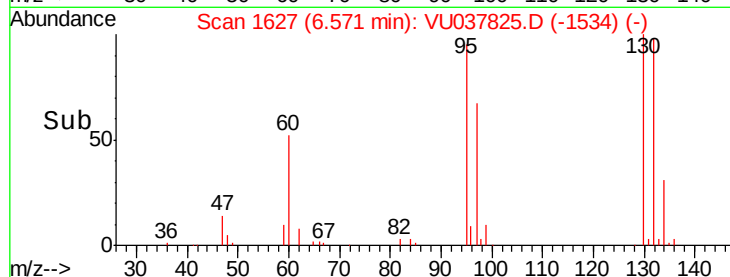
#34
 Trichloroethene
 Concen: 46.811 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 189063
 Ion Ratio Lower Upper
 95 100
 97 66.0 43.1 80.1
 132 95.9 63.6 118.2
 130 98.4 65.5 121.6

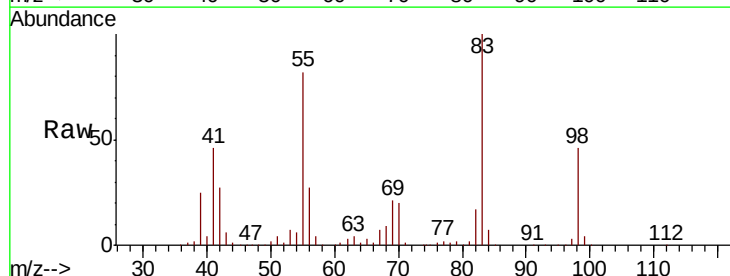


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

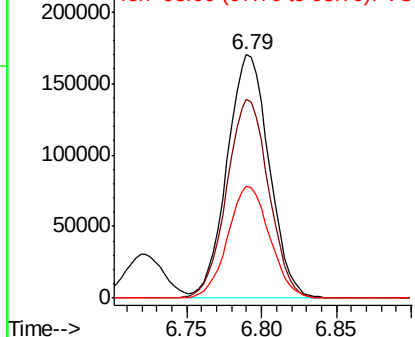
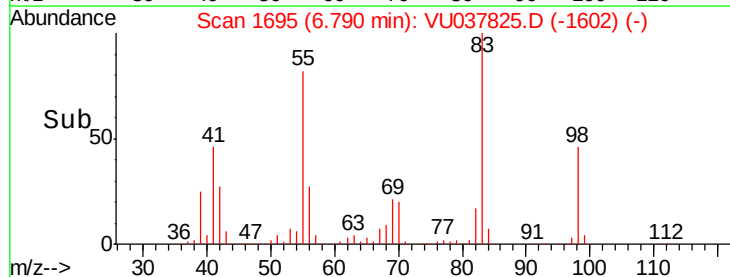


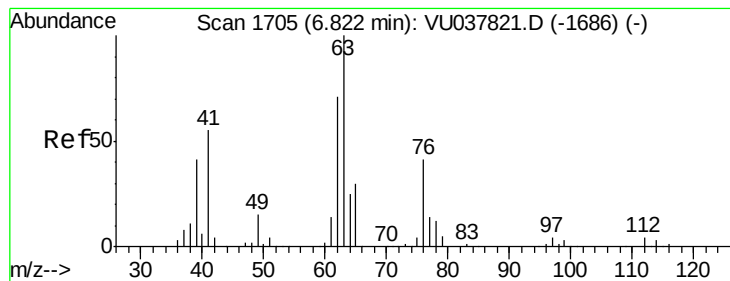
#35
 Methylcyclohexane
 Concen: 47.130 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion: 83 Resp: 332336
 Ion Ratio Lower Upper
 83 100
 55 81.5 67.3 100.9
 98 45.8 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: 48.111 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

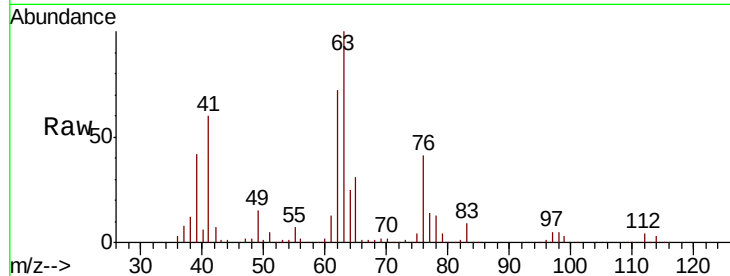
ClientSampled :

Tot Ion: 63 Resp: 222332

Ion Ratio Lower Upper

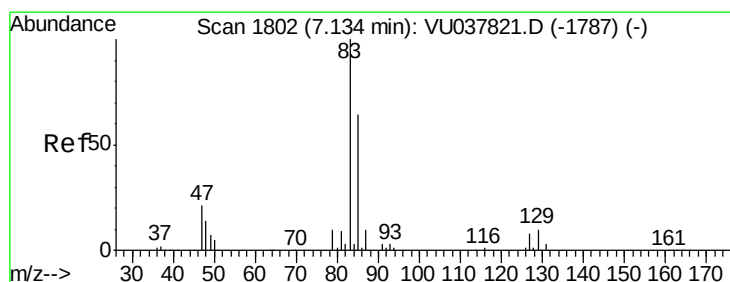
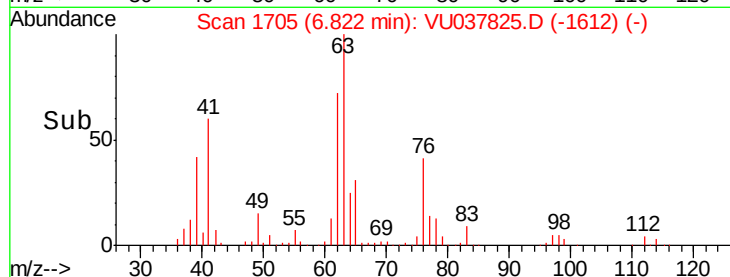
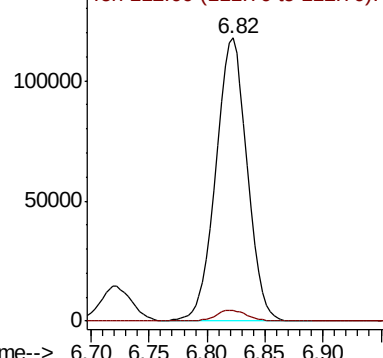
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 48.087 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

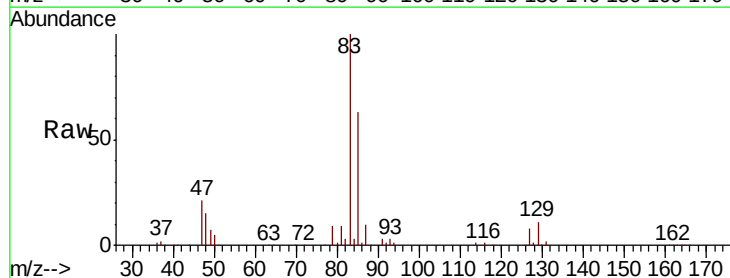
Tgt Ion: 83 Resp: 267429

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

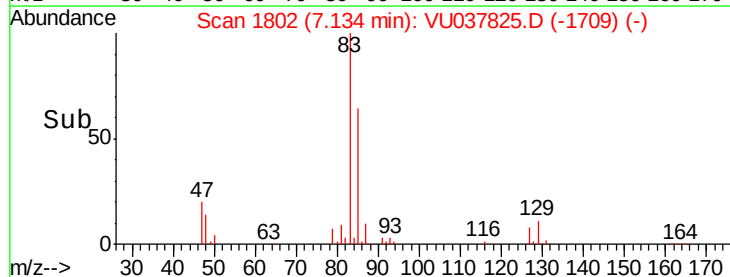
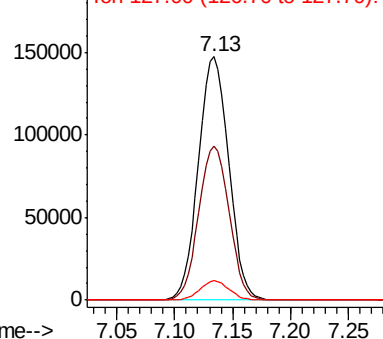
127 7.8 6.3 9.5

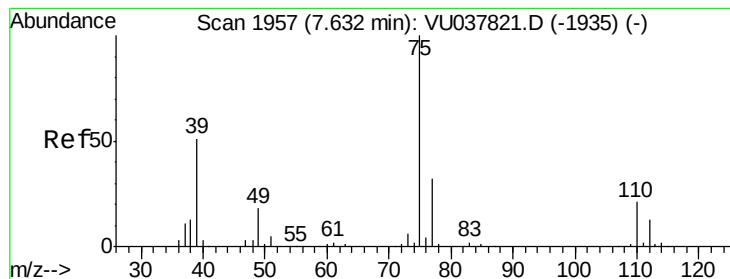


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



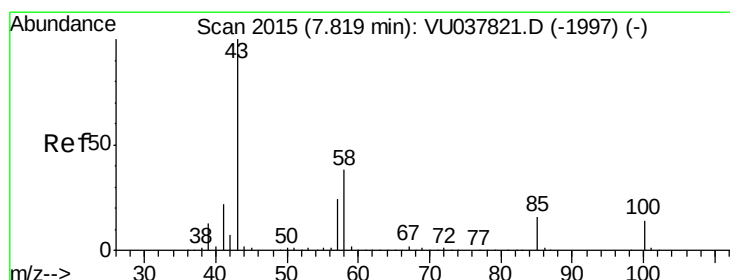
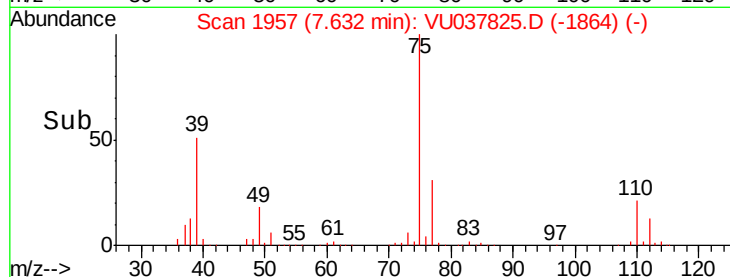
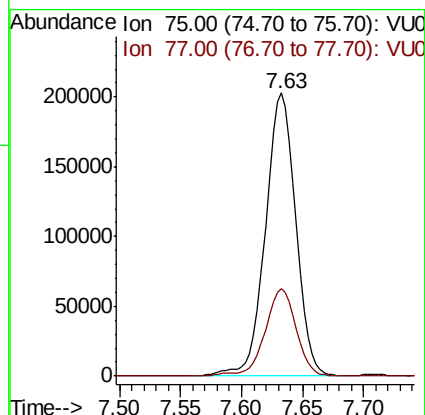
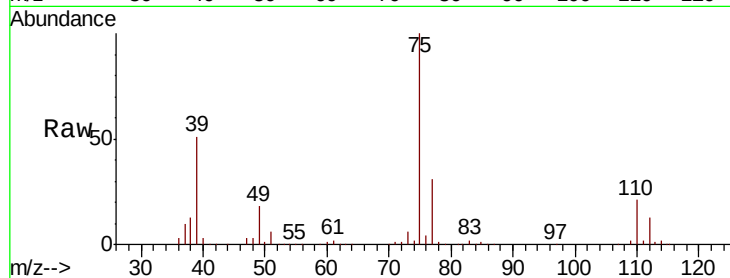


#39

cis-1,3-Dichloropropene
 Concen: 48.457 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Instrument :
 MSVOA_U
 ClientSampled :

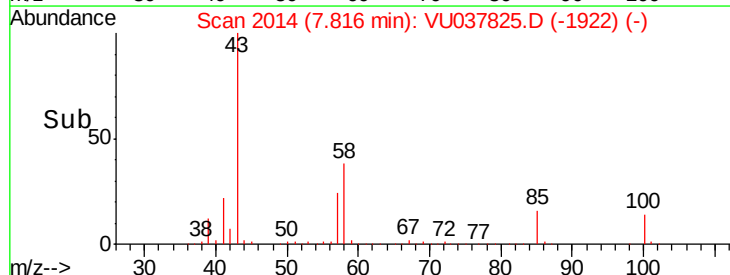
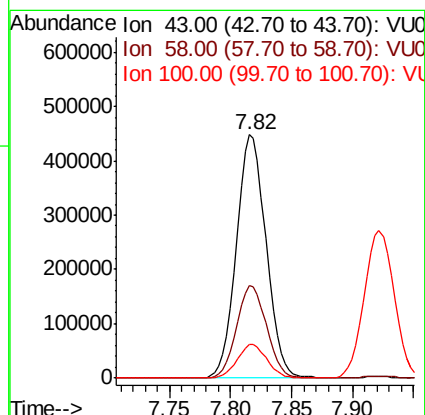
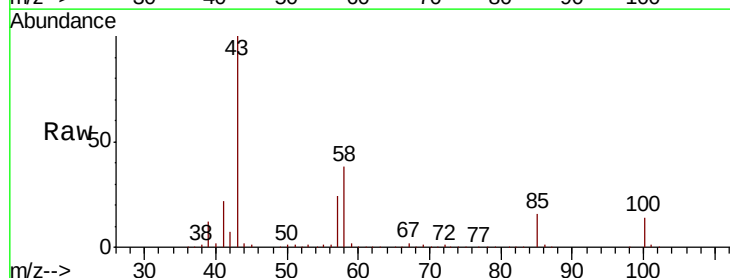
Tot Ion: 75 Resp: 352723
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.3

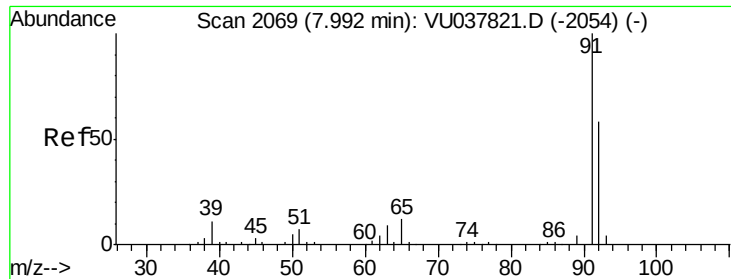


#40

4-Methyl-2-pentanone
 Concen: 95.830 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion: 43 Resp: 755468
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.5 45.7
 100 13.8 11.0 16.4





#42

Toluene

Concen: 47.586 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

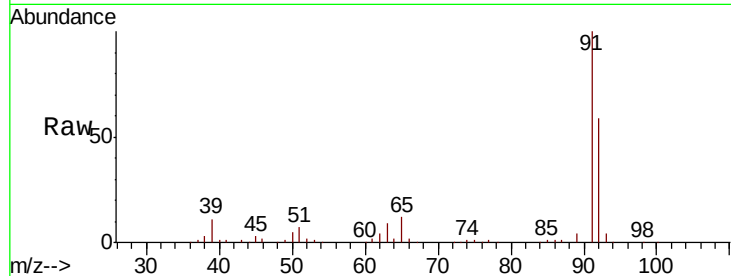
ClientSampled :

Tot Ion: 91 Resp: 824455

Ion Ratio Lower Upper

91 100

92 59.0 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) (-)

7.99

500000

400000

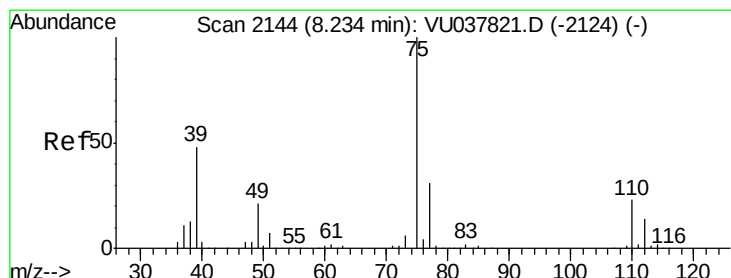
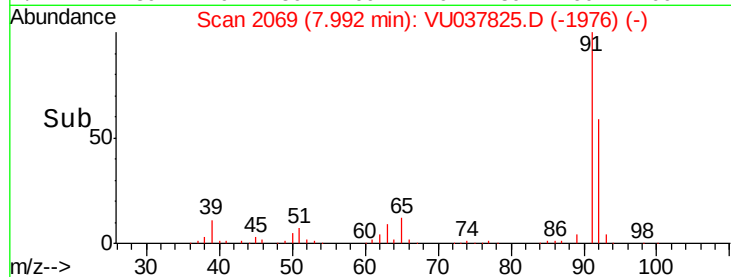
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.970 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037825.D

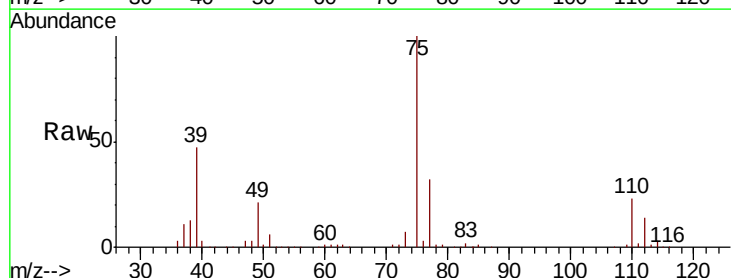
Acq: 21 Apr 2020 14:53

Tgt Ion: 75 Resp: 342613

Ion Ratio Lower Upper

75 100

77 31.8 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) (-)

8.23

200000

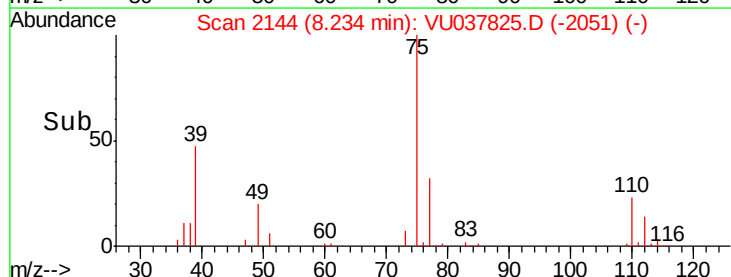
150000

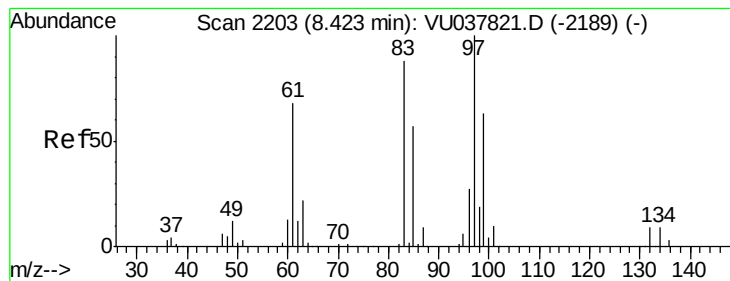
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.059 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 191907

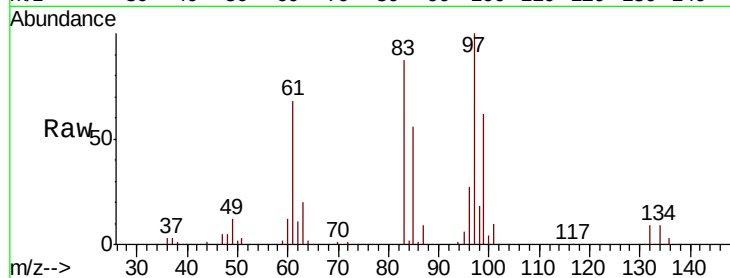
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.1	81.9
83	87.4	61.6	114.4
85	56.4	40.0	74.2

97 100

99 62.4 44.1 81.9

83 87.4 61.6 114.4

85 56.4 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

8.42

150000

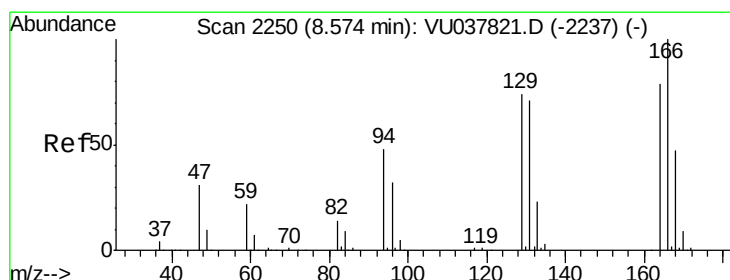
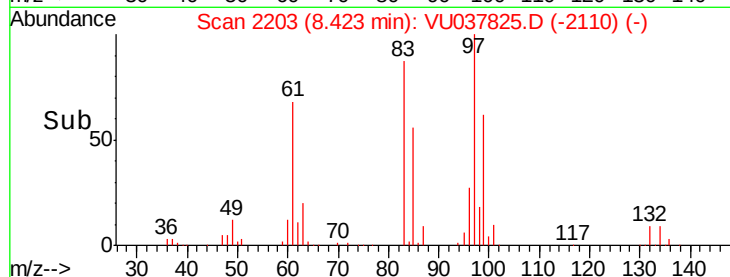
100000

50000

0

8.35 8.40 8.45 8.50

Time-->



#46

Tetrachloroethene

Concen: 47.435 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Tgt Ion: 164 Resp: 137625

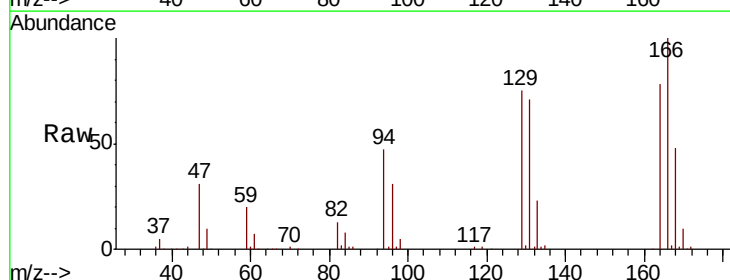
Ion	Ratio	Lower	Upper
164	100		
129	96.2	65.9	122.5
131	91.7	62.9	116.9
166	128.8	88.8	164.8

164 100

129 96.2 65.9 122.5

131 91.7 62.9 116.9

166 128.8 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

8.57

150000

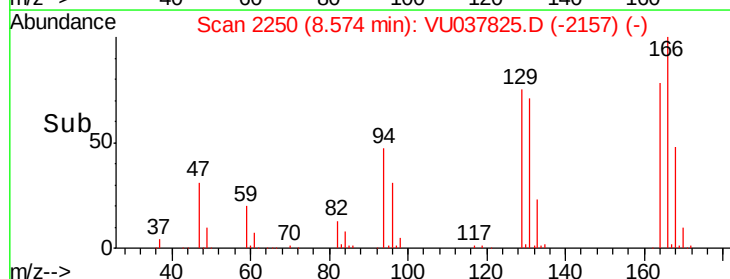
100000

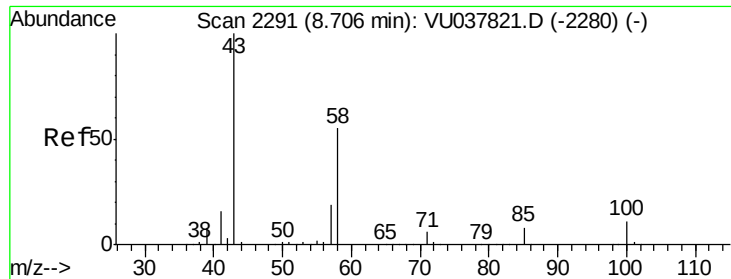
50000

0

8.50 8.55 8.60 8.65

Time-->

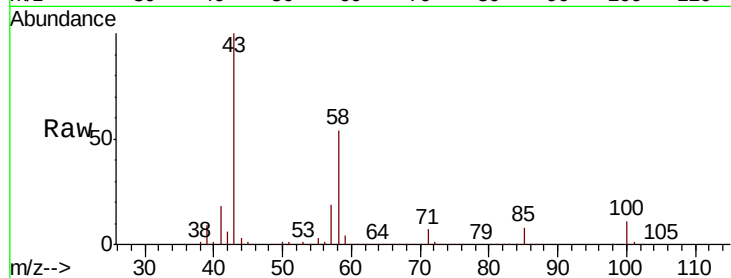




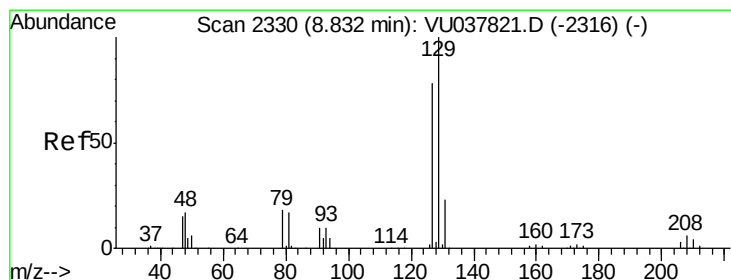
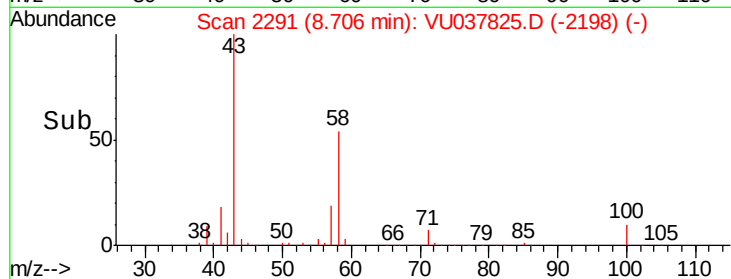
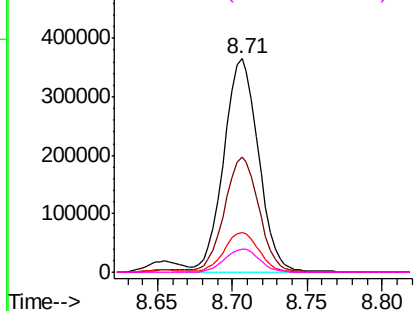
#48
2-Hexanone
Concen: 94.104 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 588518
Ion Ratio Lower Upper
43 100
58 54.0 43.0 64.4
57 18.7 15.1 22.7
100 10.9 8.6 13.0

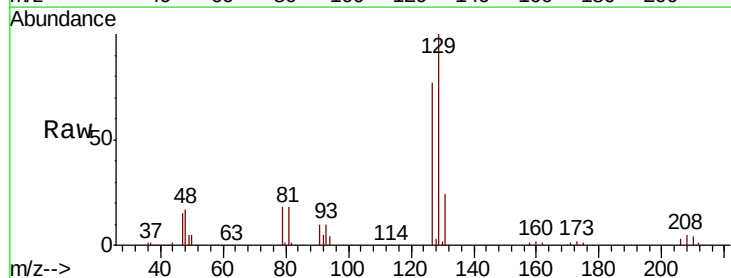


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

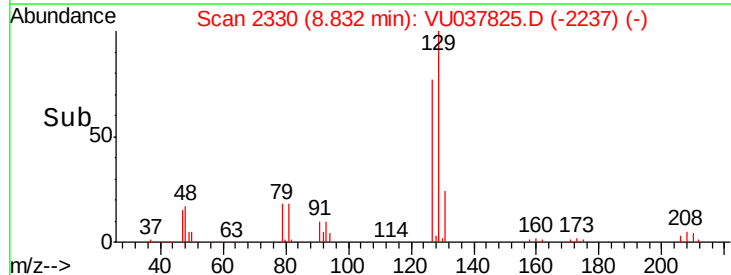
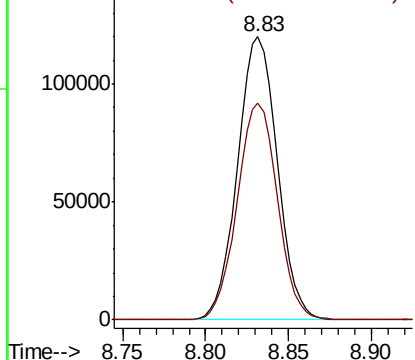


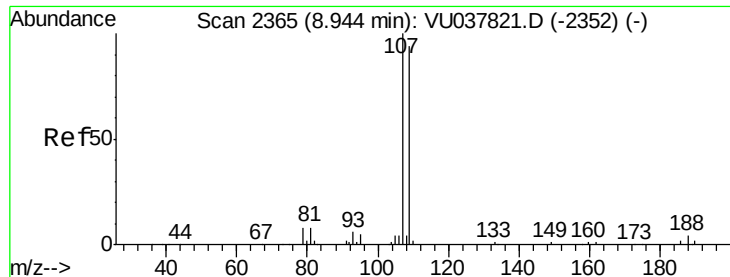
#49
Dibromochloromethane
Concen: 48.449 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion: 129 Resp: 201411
Ion Ratio Lower Upper
129 100
127 76.8 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

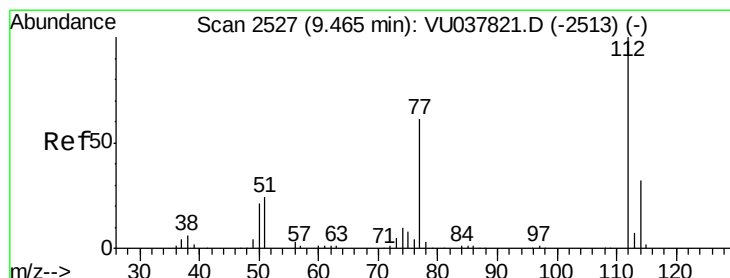
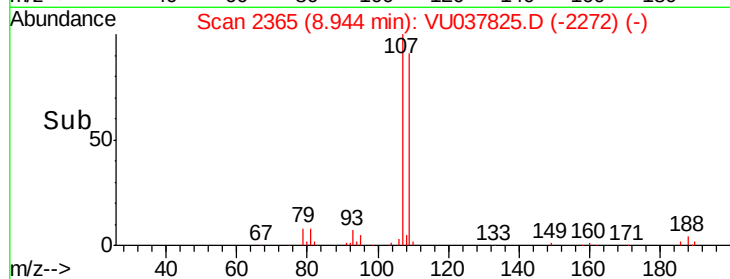
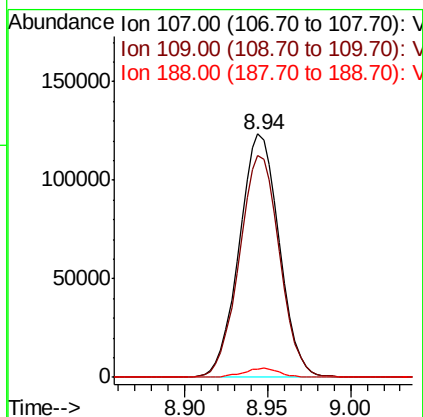
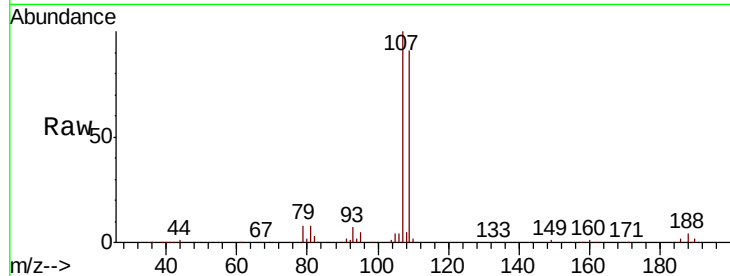




#50
 1,2-Dibromoethane
 Concen: 48.441 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

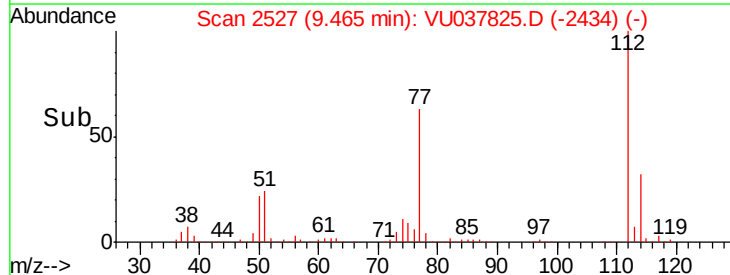
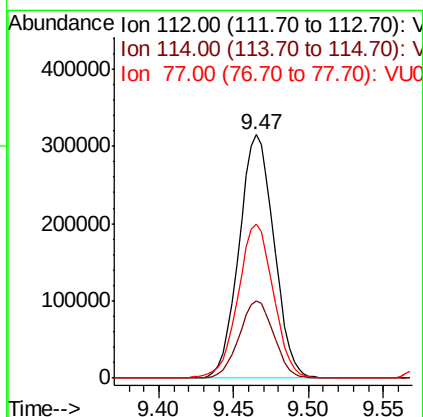
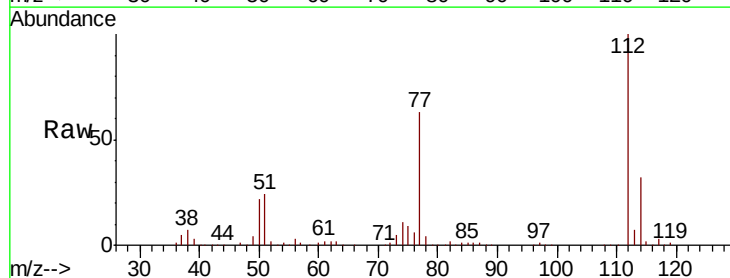
Instrument :
 MSVOA_U
 ClientSampleId :

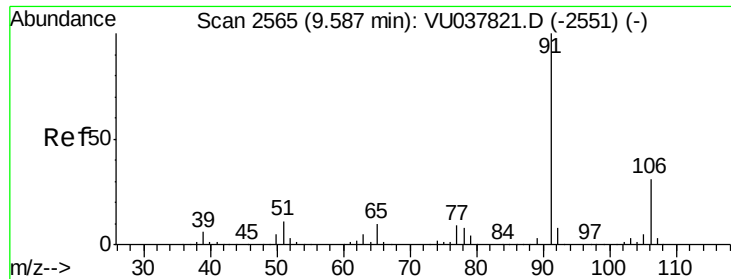
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	65.6	121.8
188	3.6	2.9	4.3



#51
 Chlorobenzene
 Concen: 47.410 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.4	41.6
77	63.3	49.1	73.7





#52

Ethylbenzene

Concen: 47.794 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

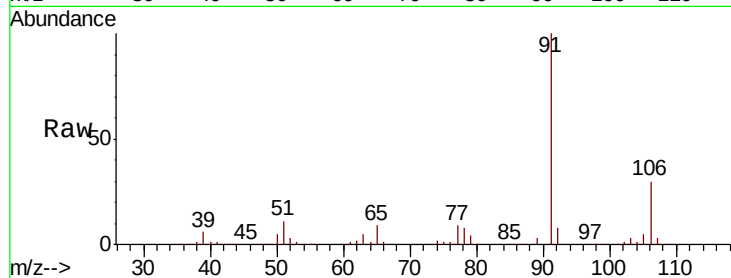
ClientSampleId :

Tot Ion: 91 Resp: 928661

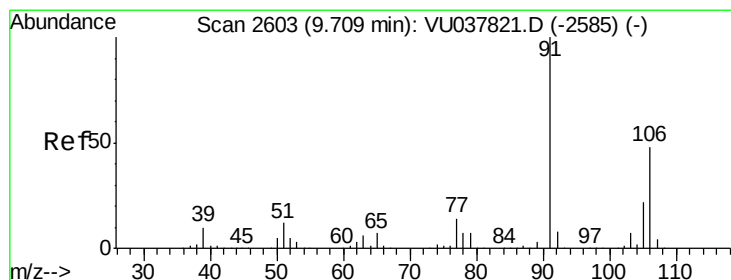
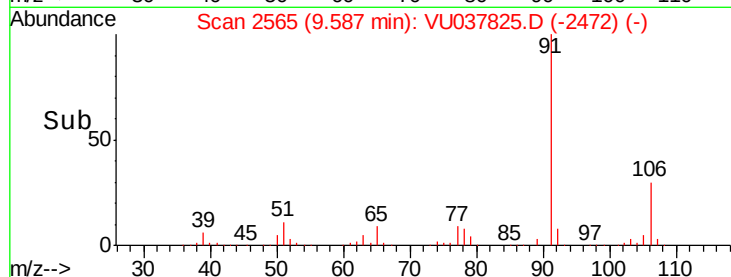
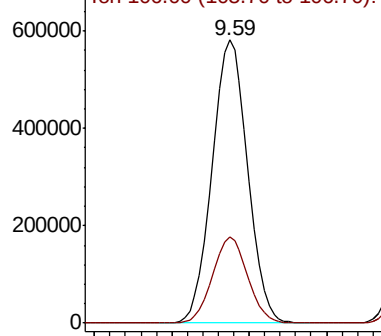
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU037825.D (-2551) (-)



#53

m,p-Xylene

Concen: 47.657 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037825.D

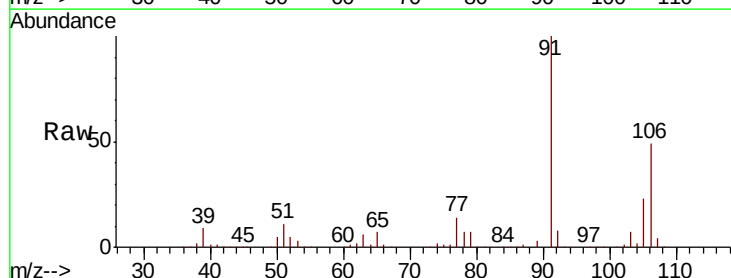
Acq: 21 Apr 2020 14:53

Tgt Ion: 106 Resp: 351165

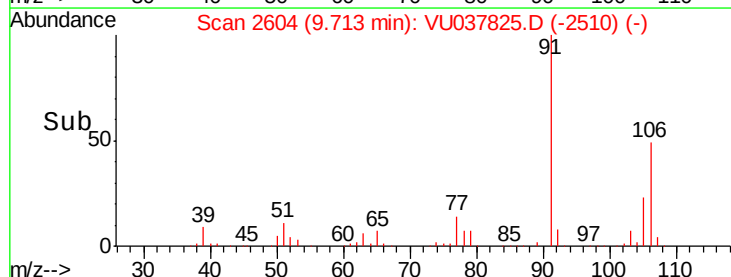
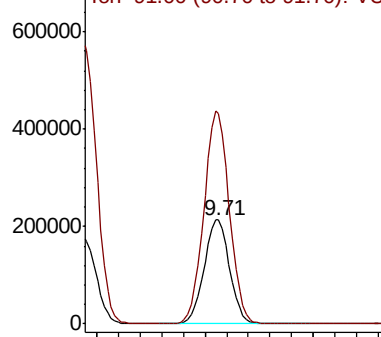
Ion Ratio Lower Upper

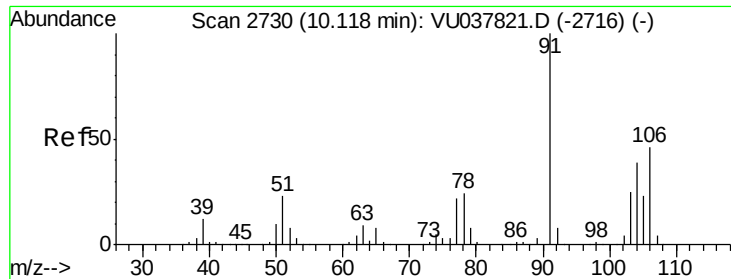
106 100

91 202.8 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): VU037825.D (-2603) (-)

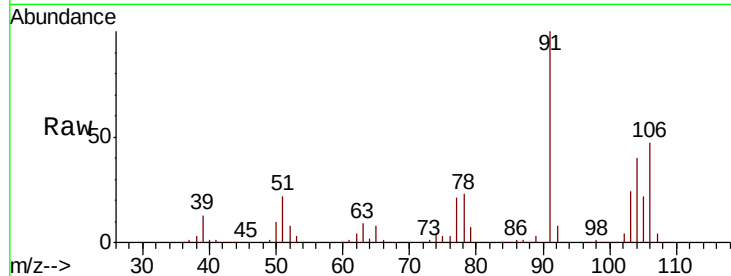




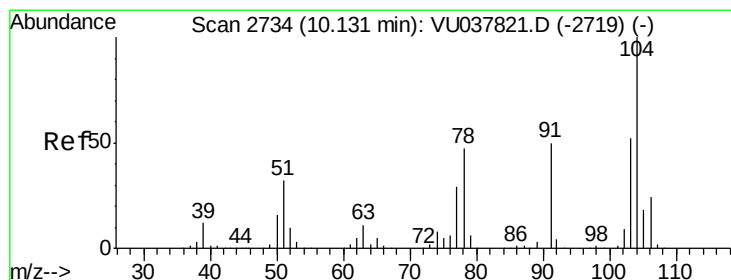
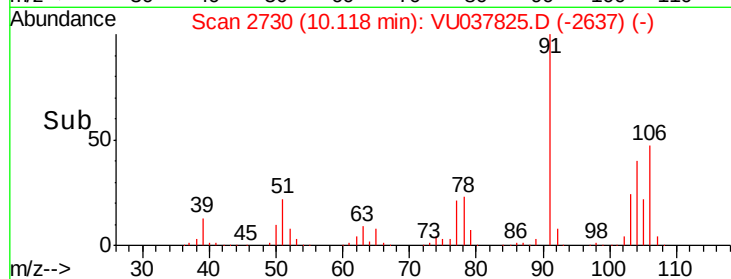
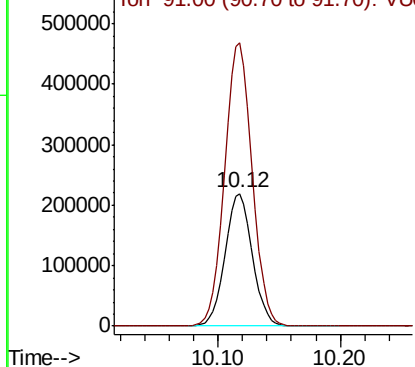
#54
o-xylene
Concen: 48.034 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 343938
Ion Ratio Lower Upper
106 100
91 213.4 153.0 284.2

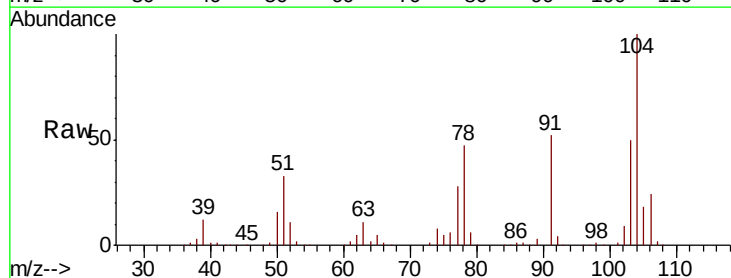


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

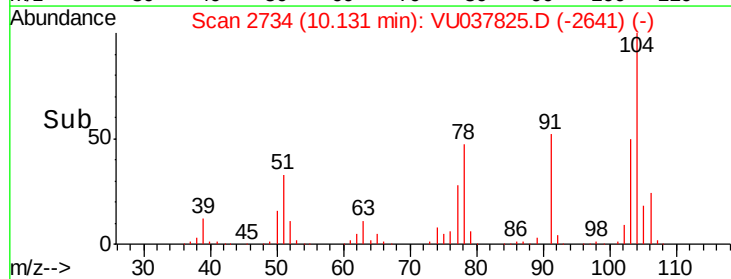
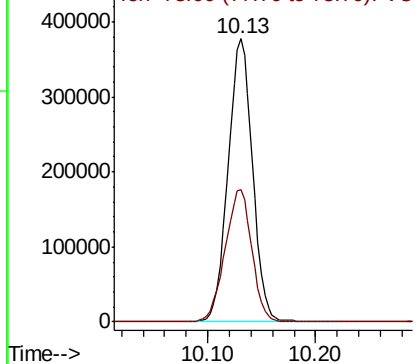


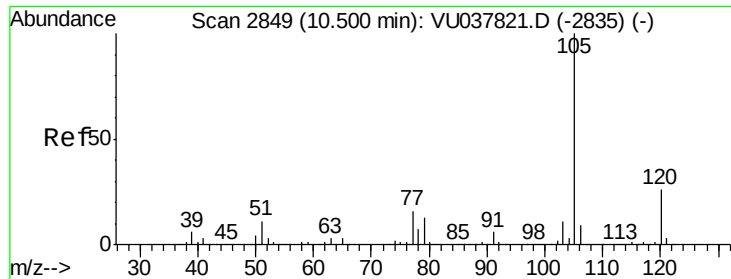
#55
Styrene
Concen: 48.084 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037825.D
Acq: 21 Apr 2020 14:53

Tgt Ion:104 Resp: 596700
Ion Ratio Lower Upper
104 100
78 47.0 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: 47.913 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

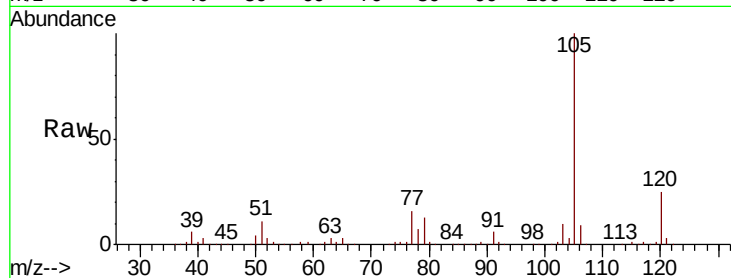
Tot Ion:105 Resp: 911567

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

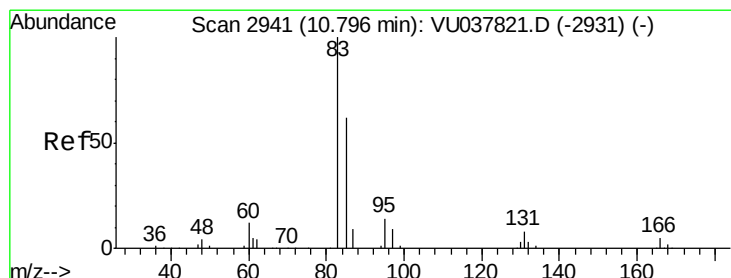
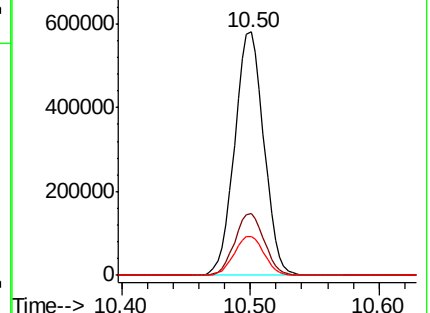
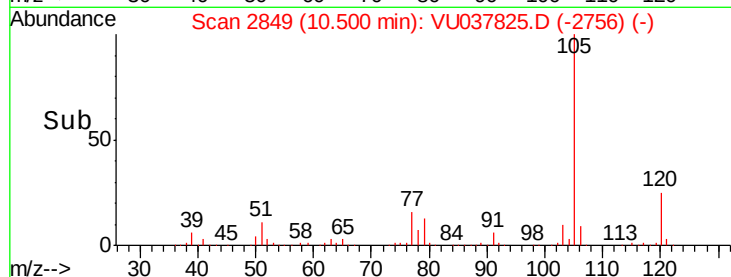
77 16.4 13.1 19.7



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: 48.414 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

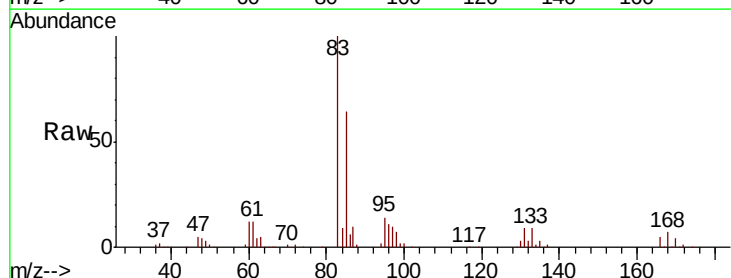
Tgt Ion: 83 Resp: 344470

Ion Ratio Lower Upper

83 100

85 64.1 44.7 83.1

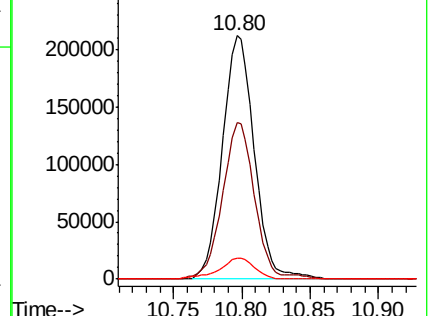
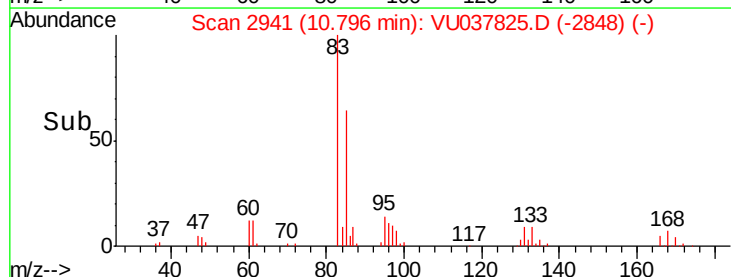
131 8.7 7.3 10.9

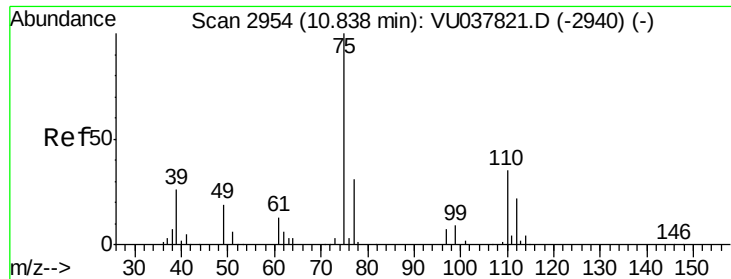


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.954 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

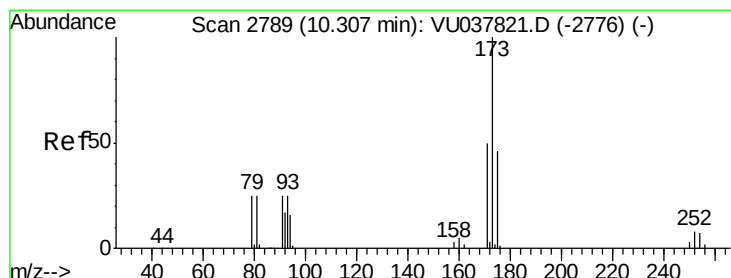
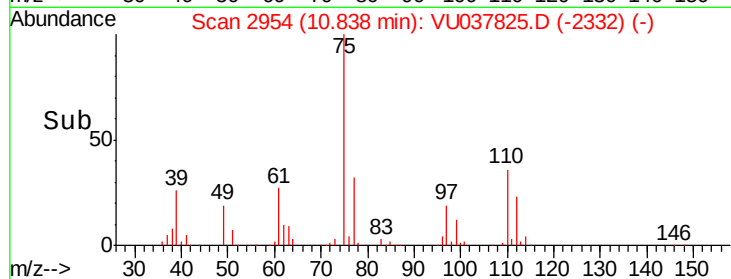
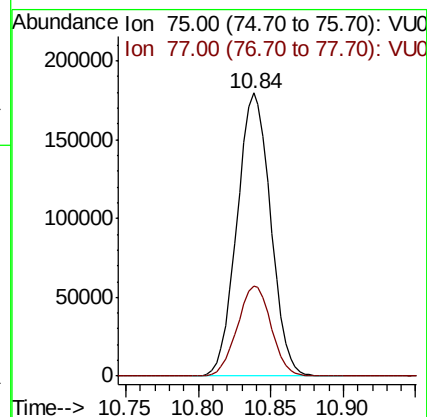
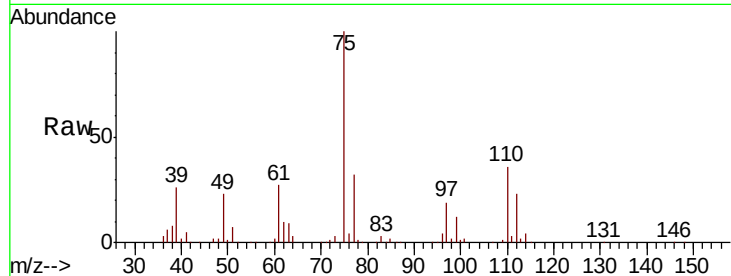
ClientSampled :

Tot Ion: 75 Resp: 289191

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 49.057 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

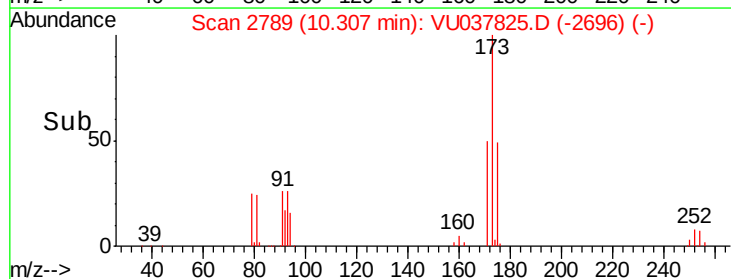
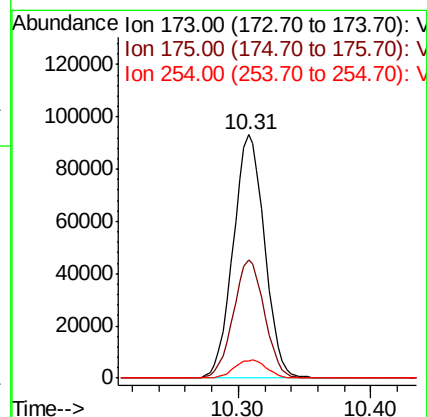
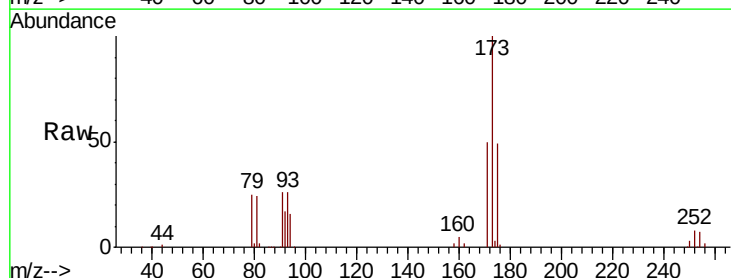
Tgt Ion: 173 Resp: 152820

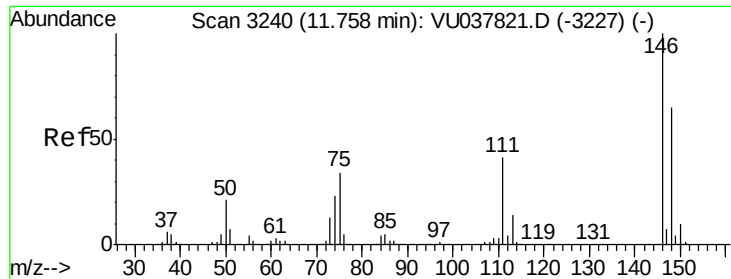
Ion Ratio Lower Upper

173 100

175 48.4 37.4 56.2

254 7.5 5.7 8.5

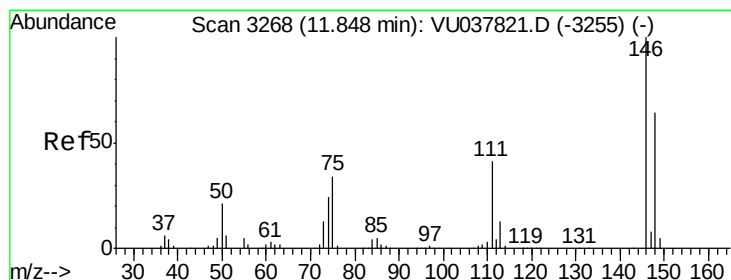
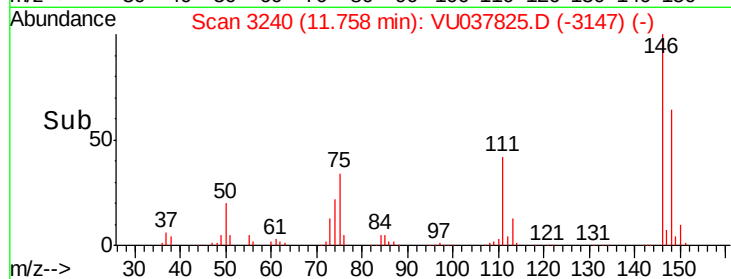
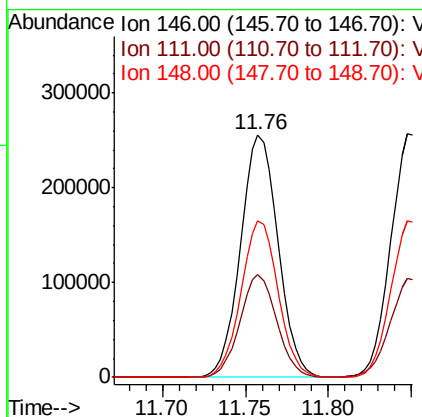
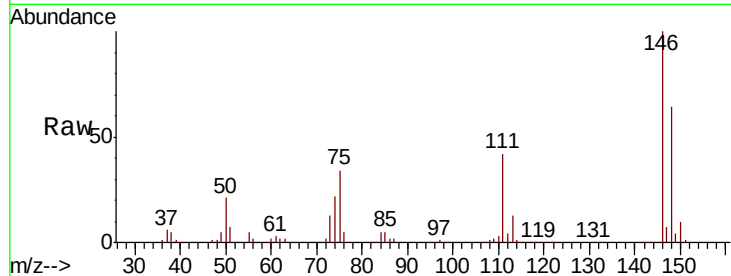




#62
 1,3-Dichlorobenzene
 Concen: 47.798 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

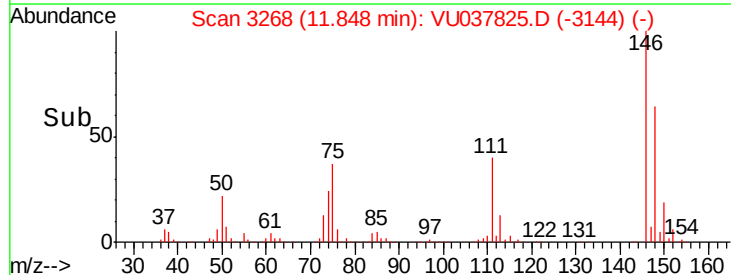
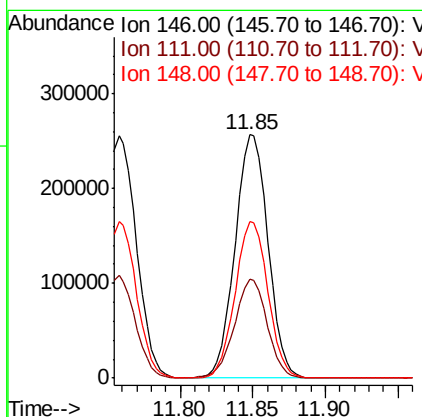
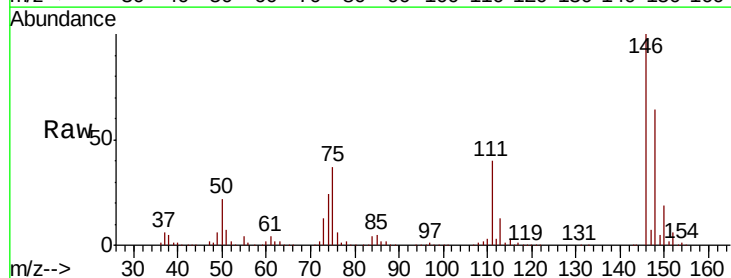
Instrument :
 MSVOA_U
 ClientSampleId :

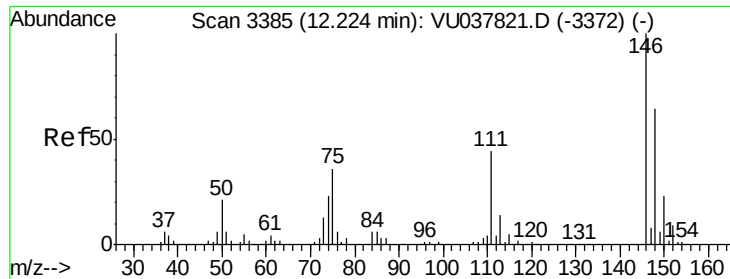
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.9	53.7
148	64.3	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 47.789 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.6	53.2
148	64.3	44.7	82.9

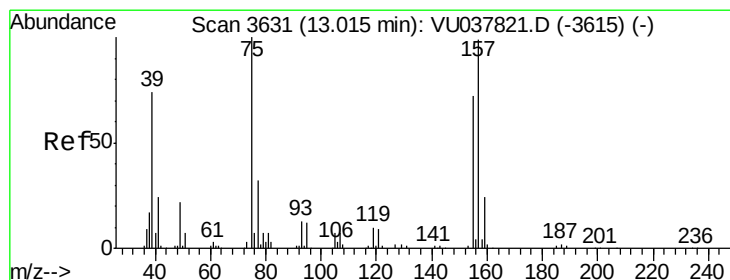
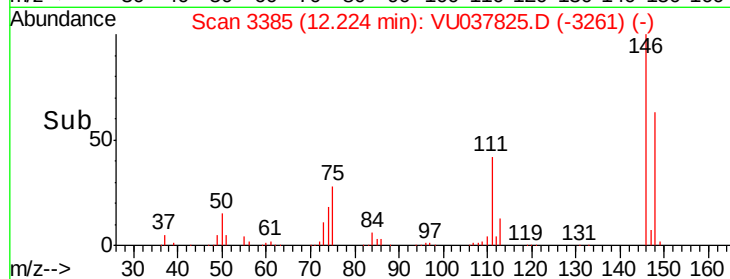
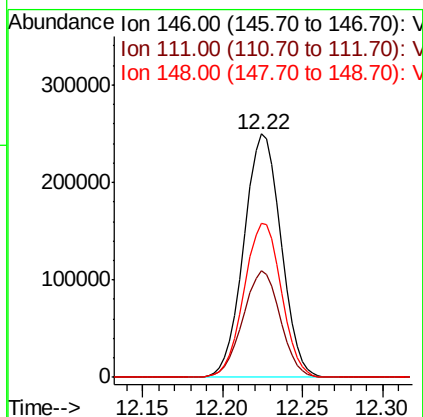
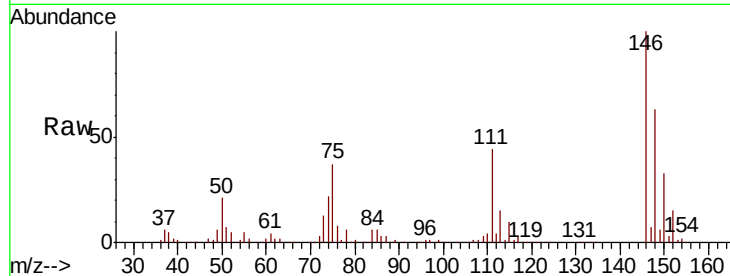




#65
 1,2-Dichlorobenzene
 Concen: 47.562 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

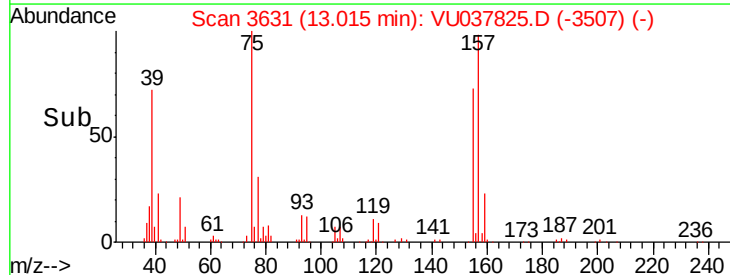
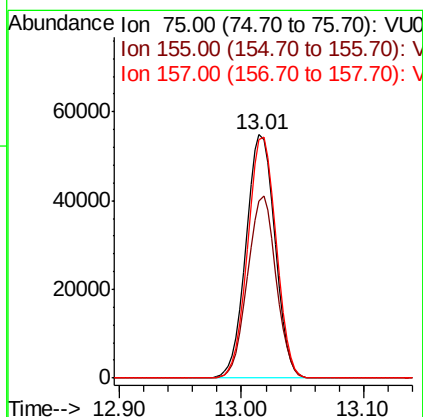
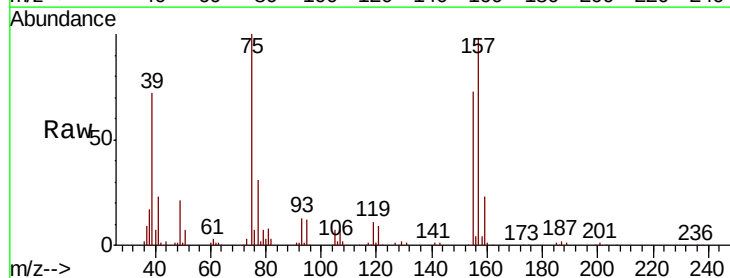
Instrument :
 MSVOA_U
 ClientSampleId :

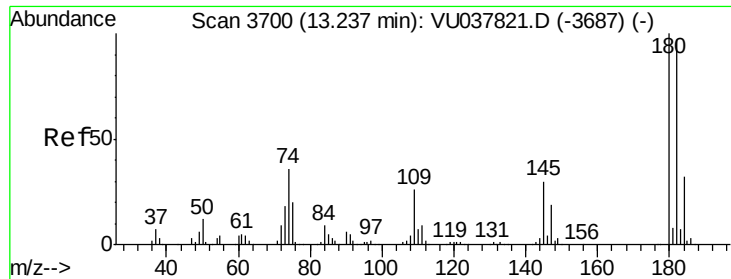
Tot Ion:146 Resp: 394782
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.3 52.9
 148 63.4 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.257 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion: 75 Resp: 89356
 Ion Ratio Lower Upper
 75 100
 155 73.0 57.6 86.4
 157 98.2 79.2 118.8

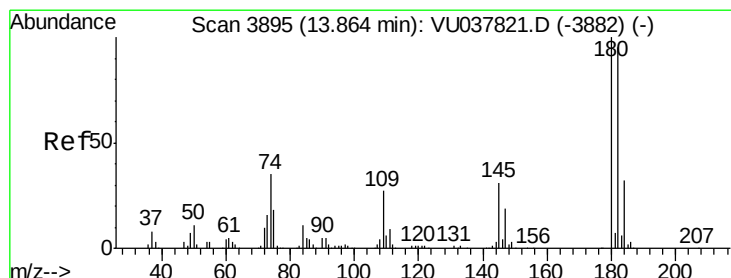
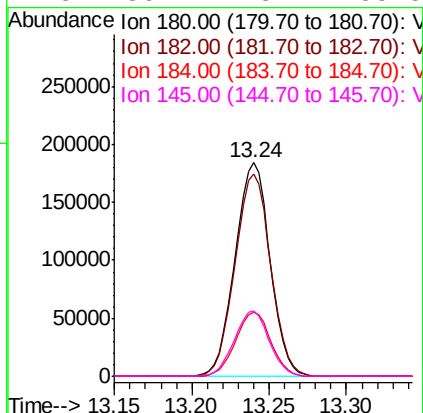
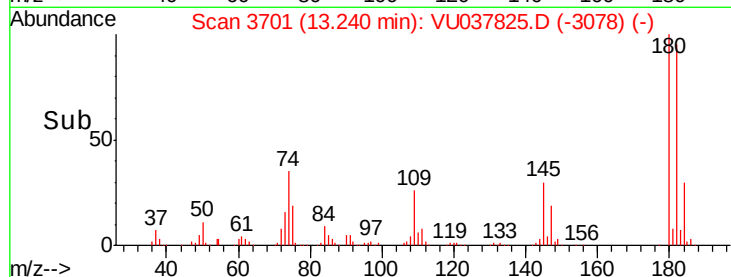
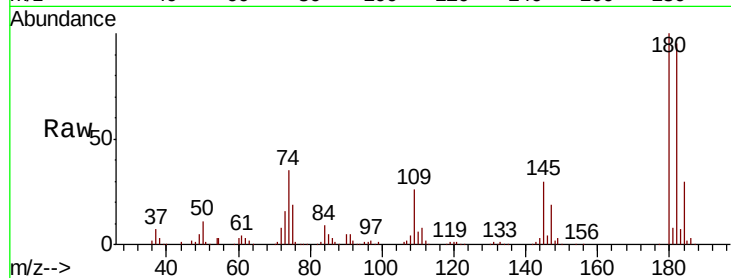




#67
 1,3,5-Trichlorobenzene
 Concen: 47.264 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

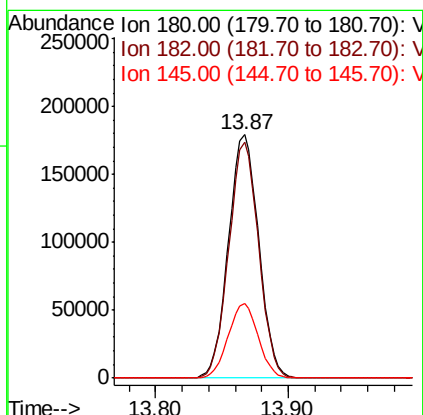
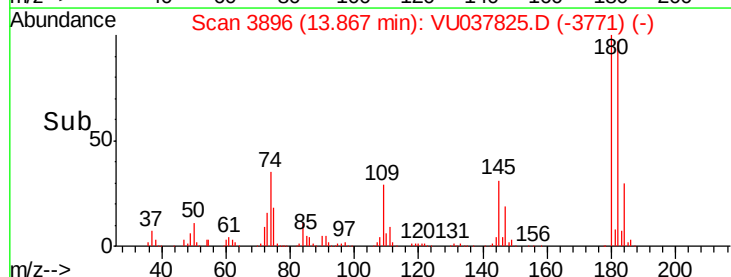
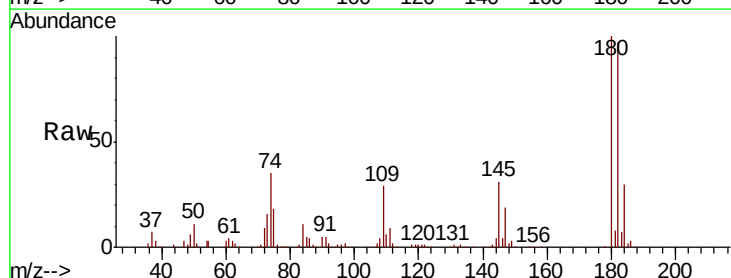
Instrument :
 MSVOA_U
 ClientSampleId :

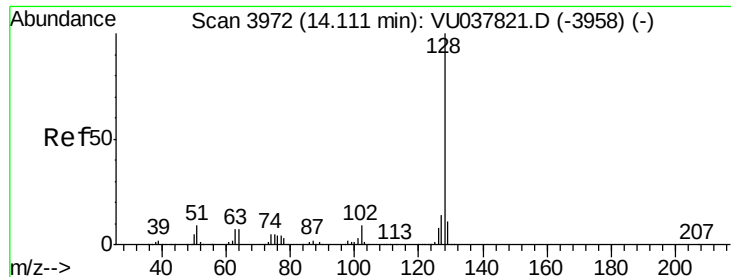
Tot Ion:180	Resp:	288690
Ion	Ratio	Lower Upper
180	100	
182	96.5	77.0 115.6
184	30.3	24.7 37.1
145	30.4	23.7 35.5



#68
 1,2,4-trichlorobenzene
 Concen: 48.894 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037825.D
 Acq: 21 Apr 2020 14:53

Tgt Ion:180	Resp:	284089
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.2 114.4
145	30.5	24.3 36.5





#69

Naphthalene

Concen: 49.998 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

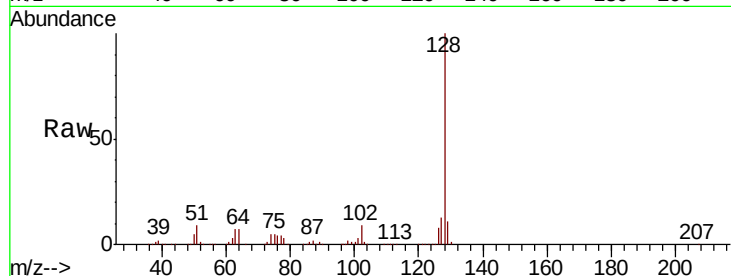
Tot Ion:128 Resp: 1023265

Ion Ratio Lower Upper

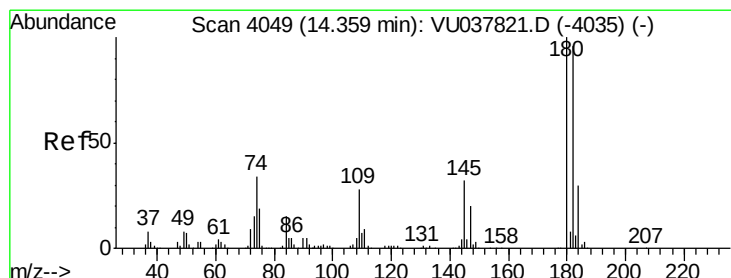
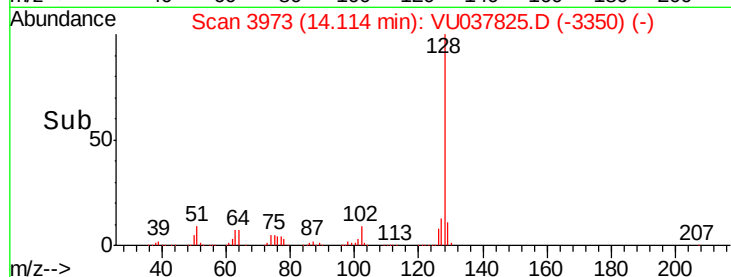
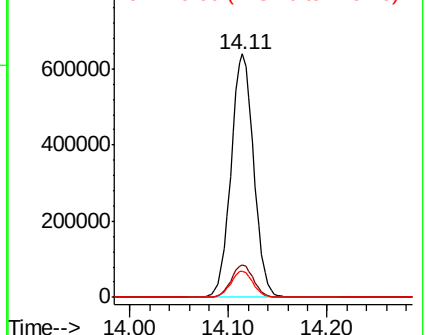
128 100

127 13.3 10.7 16.1

129 10.6 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: 48.624 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037825.D

Acq: 21 Apr 2020 14:53

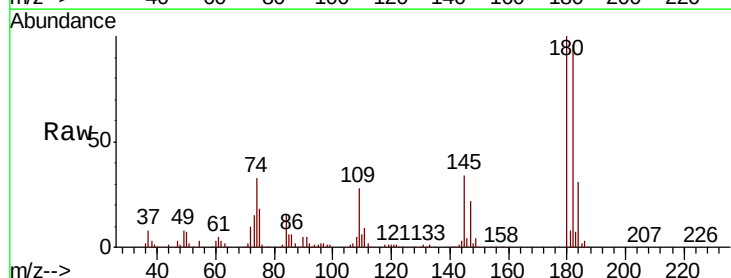
Tgt Ion:180 Resp: 281140

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 33.4 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

