

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042320\
 Data File : VU037864.D
 Acq On : 23 Apr 2020 16:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 24 02:06:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 24 01:38:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	544741	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	522223	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	265144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	248095	52.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.24%
7) Chloroethane-d5	1.93	69	193136	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.72%
11) 1,1-Dichloroethene-d2	2.59	63	400981	52.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.10%
21) 2-Butanone-d5	4.66	46	366701	97.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.23%
24) Chloroform-d	5.10	84	372974	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
26) 1,2-Dichloroethane-d4	5.74	65	250076	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
32) Benzene-d6	5.76	84	775924	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
36) 1,2-Dichloropropane-d6	6.72	67	258066	52.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.50%
41) Toluene-d8	7.93	98	714636	52.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.30%
43) trans-1,3-Dichloropropene-	8.20	79	129350	50.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.76%
47) 2-Hexanone-d5	8.66	63	272173	101.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	349734	50.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	260951	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	238310	53.026 ug/L	99
3) Chloromethane	1.54	50	252963	51.644 ug/L	99
5) Vinyl chloride	1.62	62	282583	52.287 ug/L	98
6) Bromomethane	1.87	94	121624	54.387 ug/L	97
8) Chloroethane	1.95	64	160205	52.759 ug/L	99
9) Trichlorofluoromethane	2.16	101	300750	52.340 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	176844	52.812 ug/L	99
12) 1,1-Dichloroethene	2.60	96	172228	52.077 ug/L	98
13) Acetone	2.65	43	220522	98.007 ug/L	100
14) Carbon disulfide	2.82	76	604004	51.067 ug/L	99
15) Methyl Acetate	2.98	43	272059	50.026 ug/L	100
16) Methylene chloride	3.08	84	204003	51.912 ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	193370	52.293 ug/L	96
18) Methyl tert-butyl Ether	3.40	73	654145	51.355 ug/L	99
19) 1,1-Dichloroethane	3.91	63	386076	51.795 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	212266	52.427 ug/L	98
22) 2-Butanone	4.75	43	387296	98.300 ug/L	100

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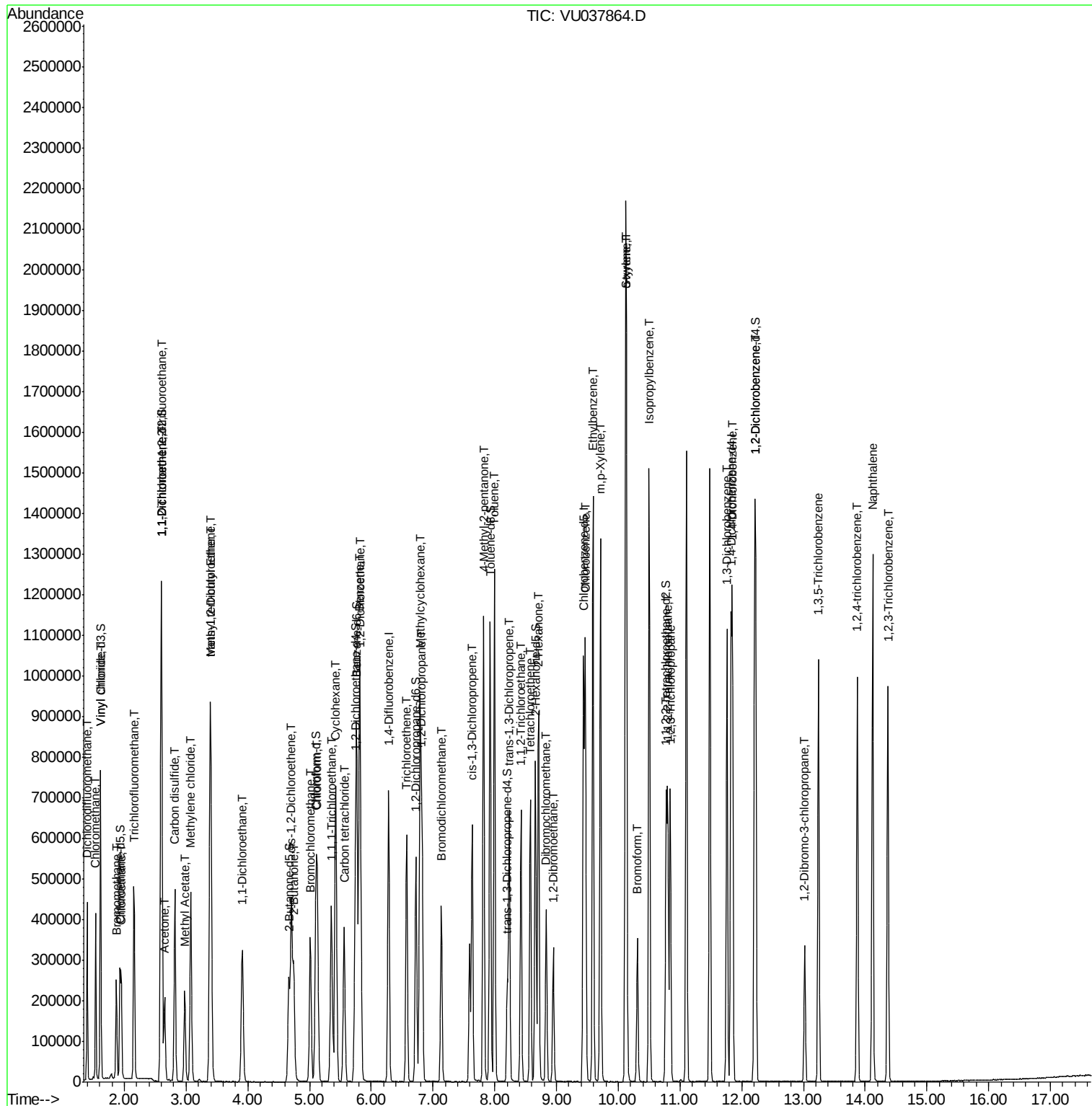
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	103142	52.720	uq/L	97
25) Chloroform	5.13	83	363479	52.115	uq/L	99
27) 1,2-Dichloroethane	5.83	62	308097	51.577	uq/L	99
29) Cyclohexane	5.42	56	388076	53.118	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	313516	53.757	uq/L	99
31) Carbon tetrachloride	5.56	117	255191	54.127	uq/L	99
33) Benzene	5.81	78	842627	53.161	uq/L	100
34) Trichloroethene	6.57	95	203989	52.467	uq/L	99
35) Methylcyclohexane	6.79	83	366560	53.843	uq/L	99
37) 1,2-Dichloropropane	6.82	63	230617	53.271	uq/L	99
38) Bromodichloromethane	7.13	83	276906	52.941	uq/L	97
39) cis-1,3-Dichloropropene	7.64	75	362942	52.363	uq/L	100
40) 4-Methyl-2-pentanone	7.82	43	762093	101.224	uq/L	99
42) Toluene	8.00	91	876433	52.738	uq/L	100
44) trans-1,3-Dichloropropene	8.23	75	351587	52.550	uq/L	98
45) 1,1,2-Trichloroethane	8.42	97	198399	52.534	uq/L	99
46) Tetrachloroethene	8.58	164	149577	52.635	uq/L	97
48) 2-Hexanone	8.71	43	583582	98.036	uq/L	99
49) Dibromochloromethane	8.84	129	208367	52.838	uq/L	100
50) 1,2-Dibromoethane	8.95	107	214929	52.539	uq/L	99
51) Chlorobenzene	9.47	112	538950	52.139	uq/L	100
52) Ethylbenzene	9.59	91	977051	52.500	uq/L	99
53) m,p-Xylene	9.71	106	370593	52.889	uq/L	98
54) o-xylene	10.12	106	362110	52.841	uq/L	99
55) Styrene	10.13	104	622911	52.856	uq/L	99
56) Isopropylbenzene	10.50	105	960948	52.985	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	348093	51.826	uq/L	99
59) 1,2,3-Trichloropropane	10.84	75	298502	51.329	uq/L	100
61) Bromoform	10.31	173	157072	52.639	uq/L	100
62) 1,3-Dichlorobenzene	11.76	146	423643	51.031	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	427591	51.031	uq/L	98
65) 1,2-Dichlorobenzene	12.23	146	418399	51.865	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	86088	47.884	uq/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	306862	50.863	uq/L	99
68) 1,2,4-trichlorobenzene	13.87	180	290113	49.443	uq/L	99
69) Naphthalene	14.12	128	991062	47.102	uq/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	287927	49.694	uq/L	100

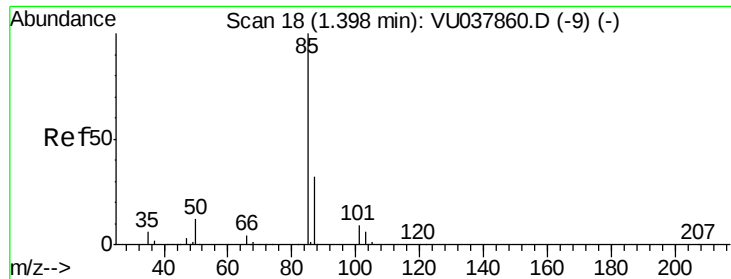
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 53.026 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

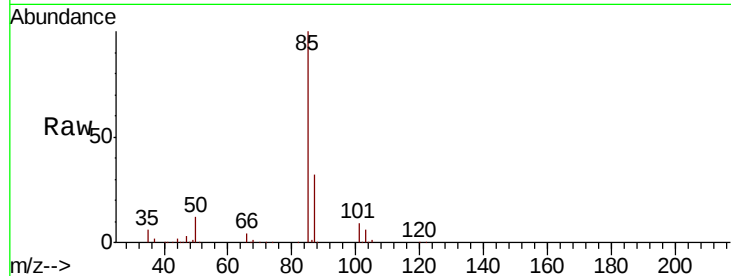
ClientSampleId :

Tot Ion: 85 Resp: 238310

Ion Ratio Lower Upper

85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037864.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037864.D (-9) (-)

1.40

250000

200000

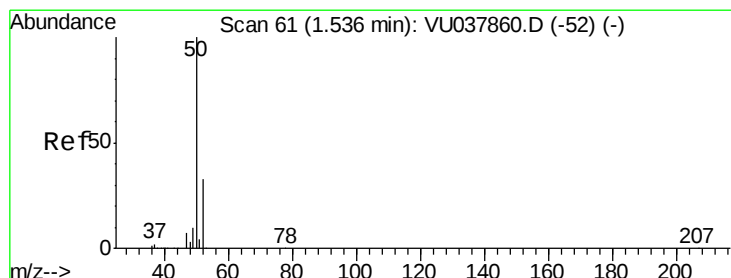
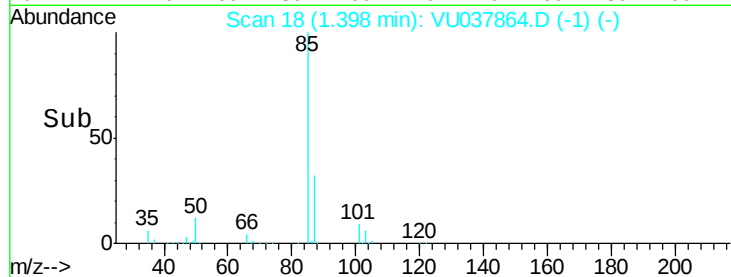
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.644 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037864.D

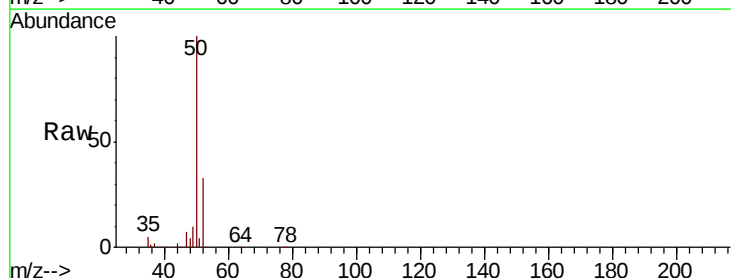
Acq: 23 Apr 2020 16:51

Tgt Ion: 50 Resp: 252963

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037864.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037864.D (-52) (-)

1.54

250000

200000

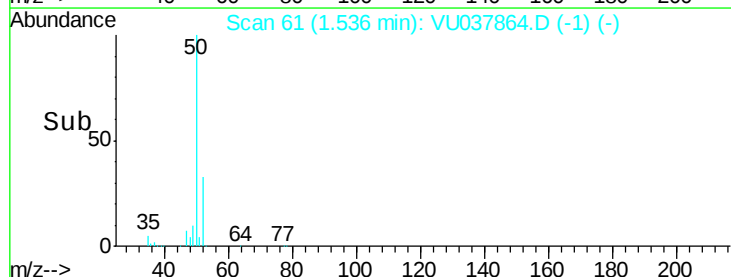
150000

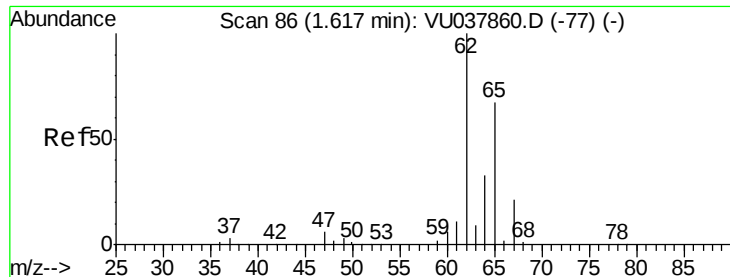
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.287 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

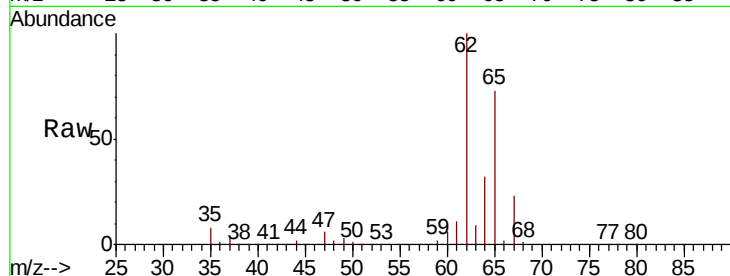
ClientSampleId :

Tot Ion: 62 Resp: 282583

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.62

250000

200000

150000

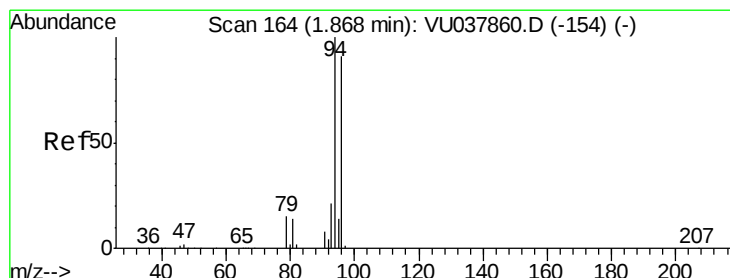
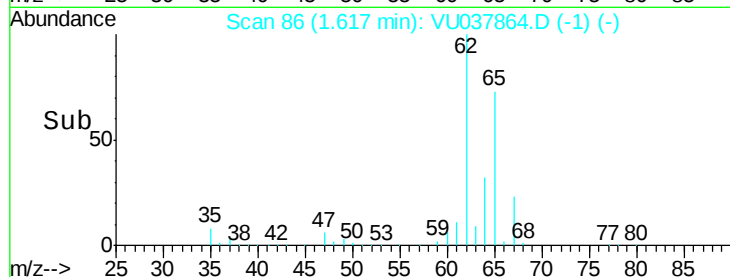
100000

50000

0

Time-->

1.60 1.65



#6

Bromomethane

Concen: 54.387 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037864.D

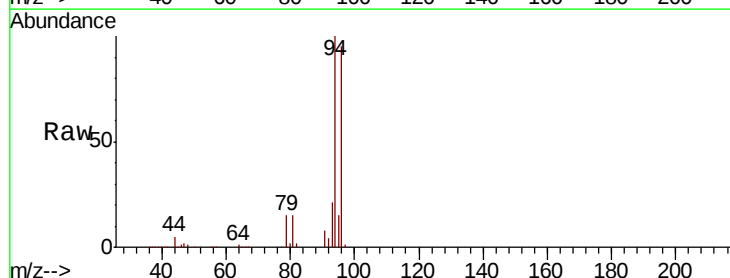
Acq: 23 Apr 2020 16:51

Tgt Ion: 94 Resp: 121624

Ion Ratio Lower Upper

94 100

96 94.5 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

100000

80000

60000

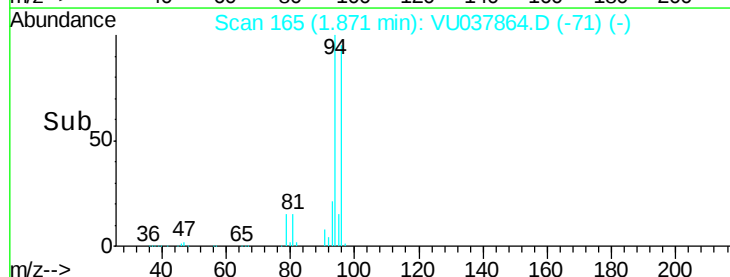
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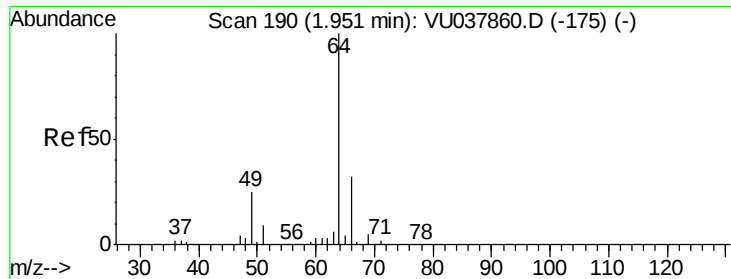
20000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 52.759 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

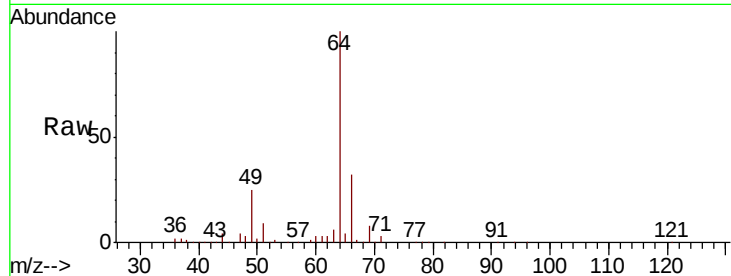
ClientSampled :

Tot Ion: 64 Resp: 160205

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037864.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU037864.D (-175) (-)

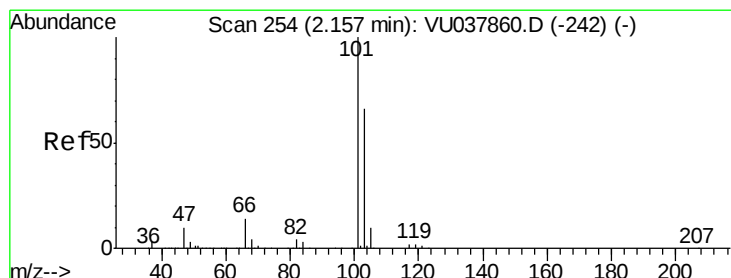
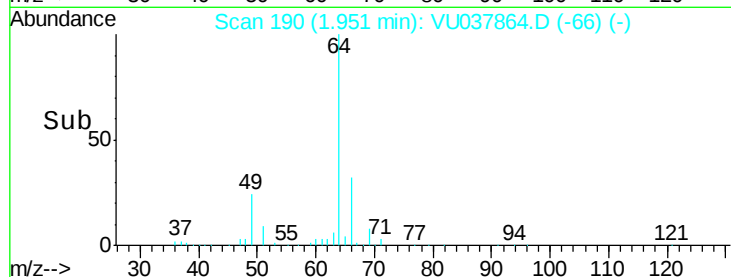
1.95

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 52.340 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037864.D

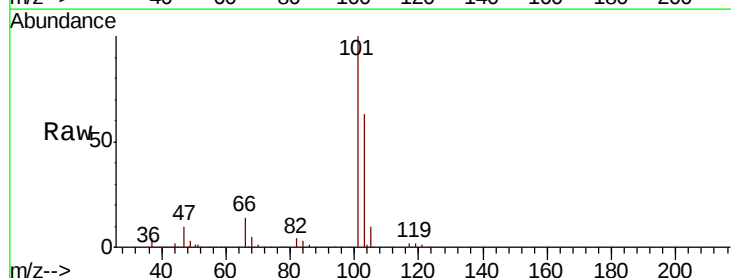
Acq: 23 Apr 2020 16:51

Tgt Ion:101 Resp: 300750

Ion Ratio Lower Upper

101 100

103 64.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU037864.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037864.D (-242) (-)

2.16

250000

200000

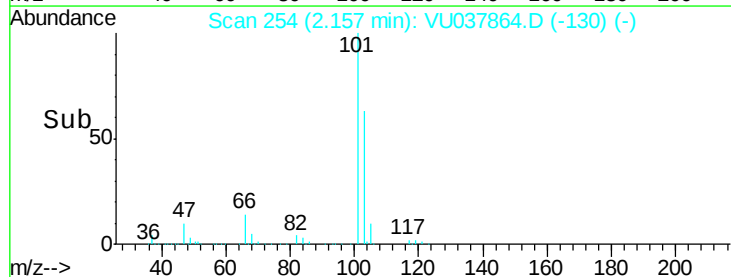
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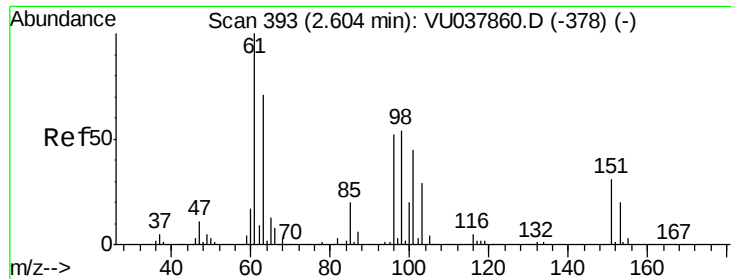
100000

50000

0

Time-->





#10

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

Concen: 52.812 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampled :

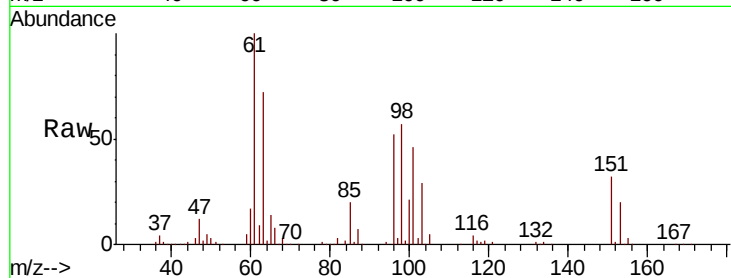
Tot Ion:101 Resp: 176844

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.4

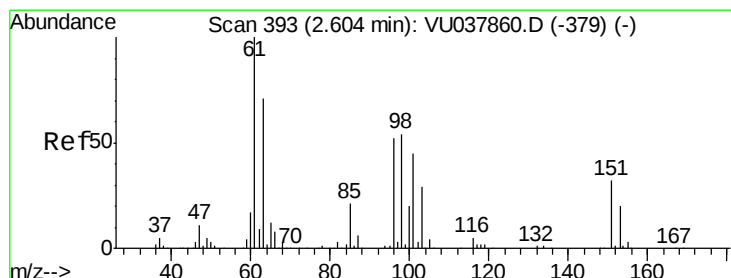
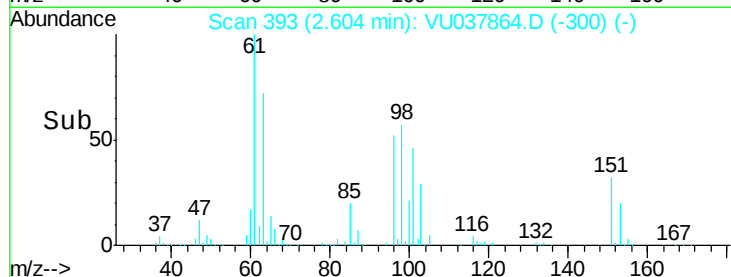
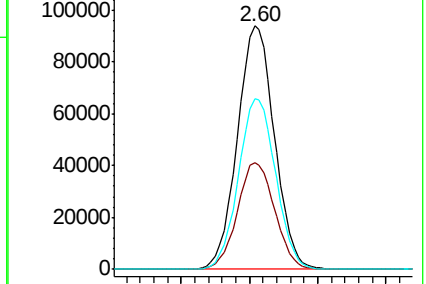
151 70.3 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): VU037864.D (-300) (-)

Ion 85.00 (84.70 to 85.70): VU037864.D (-300) (-)

Ion 151.00 (150.70 to 151.70): VU037864.D (-300) (-)



#12

1,1-Dichloroethene

Concen: 52.077 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

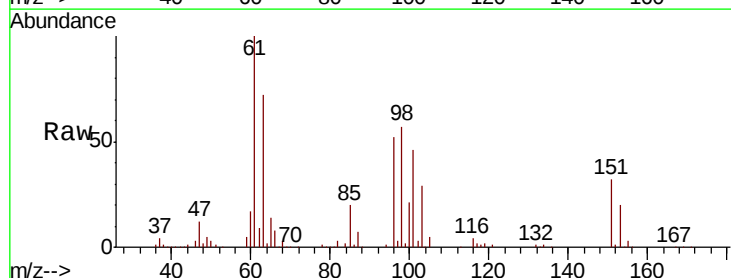
Tgt Ion: 96 Resp: 172228

Ion Ratio Lower Upper

96 100

61 193.8 134.1 249.0

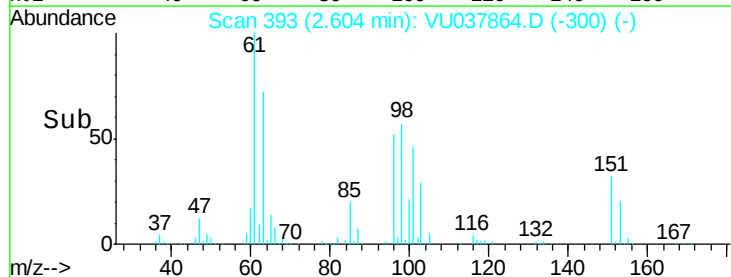
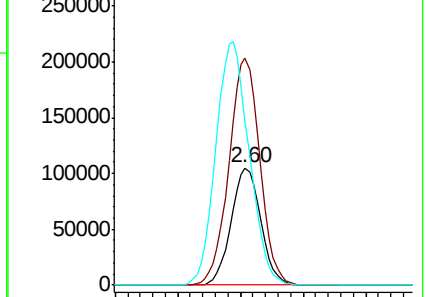
63 140.0 96.5 179.1

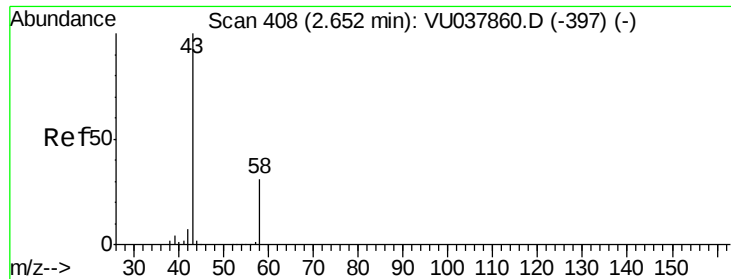


Abundance Ion 96.00 (95.70 to 96.70): VU037864.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037864.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037864.D (-300) (-)





#13

Acetone

Concen: 98.007 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

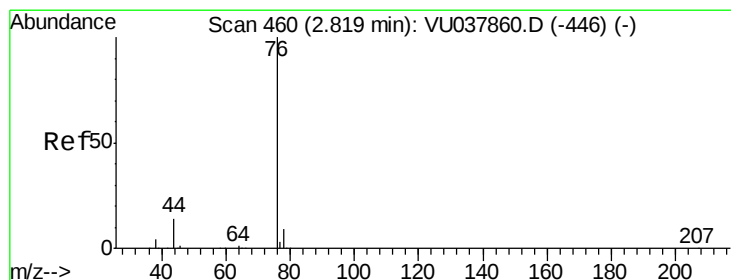
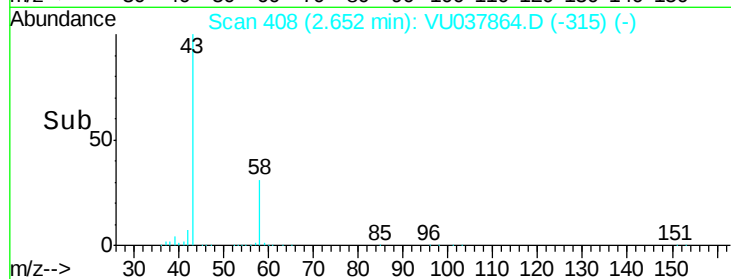
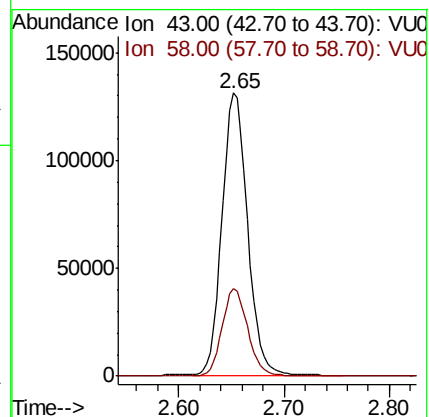
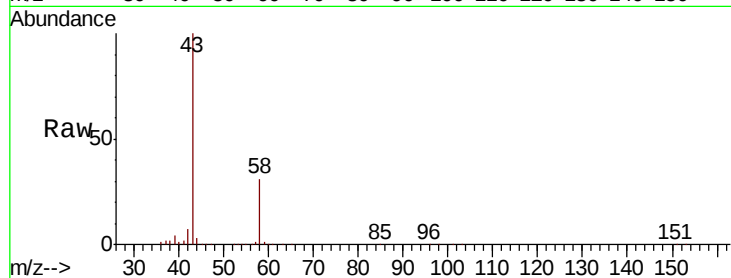
ClientSampleId :

Tot Ion: 43 Resp: 220522

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



#14

Carbon disulfide

Concen: 51.067 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037864.D

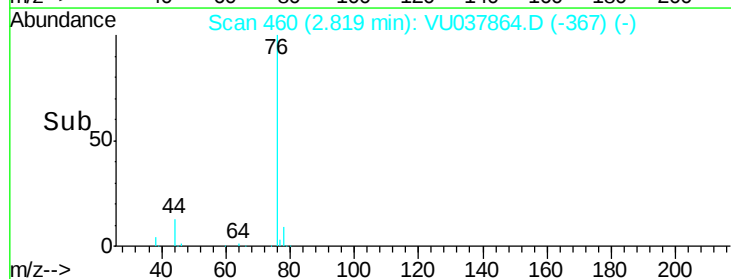
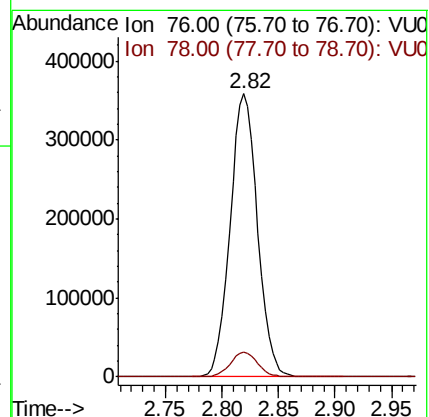
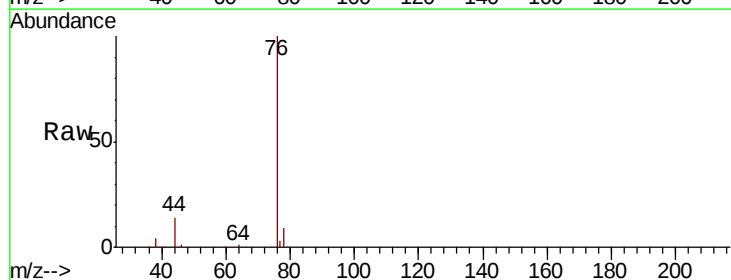
Acq: 23 Apr 2020 16:51

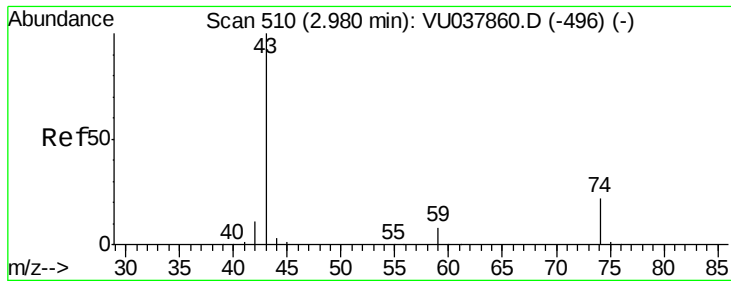
Tgt Ion: 76 Resp: 604004

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

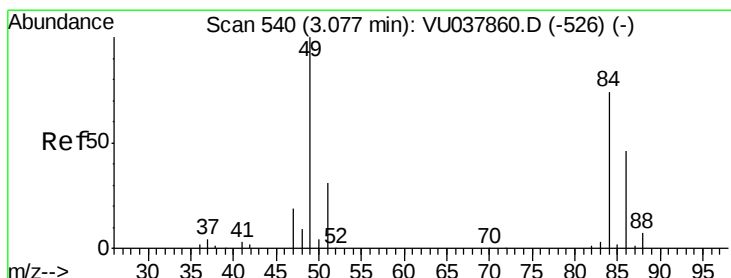
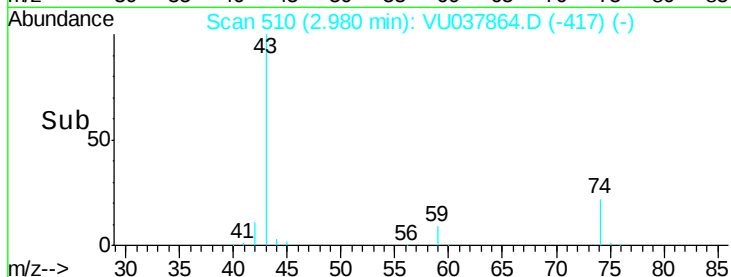
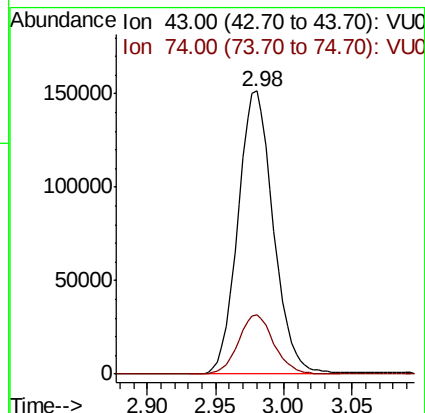
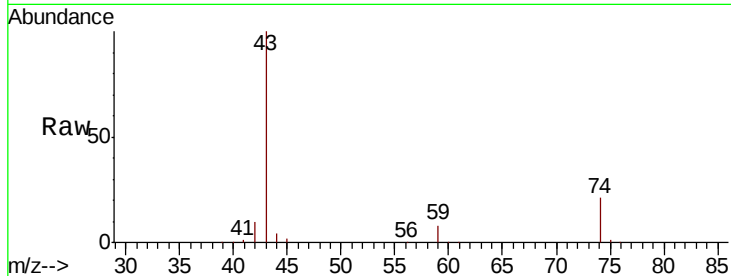




#15
Methvl Acetate
Concen: 50.026 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

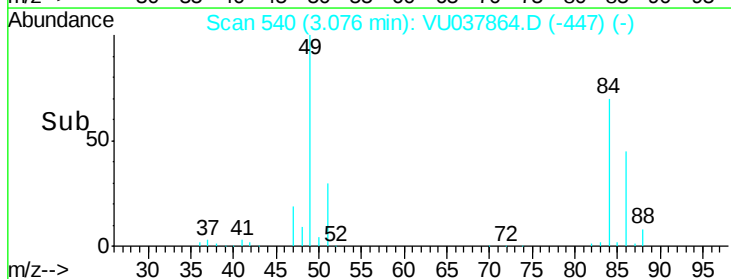
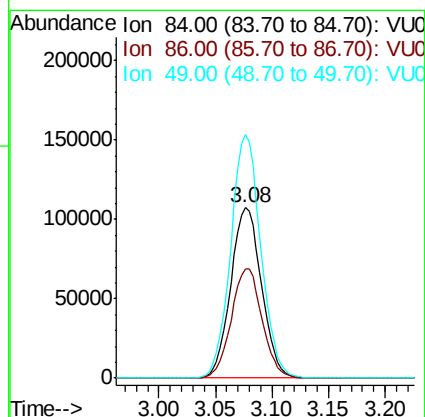
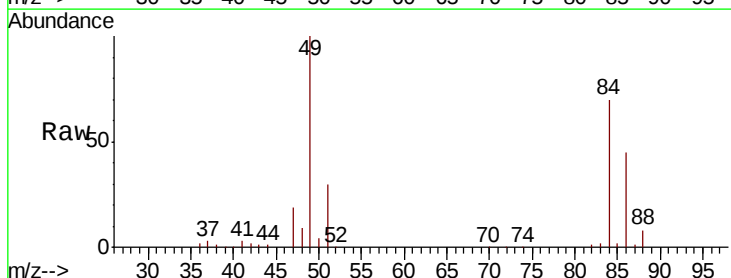
Instrument :
MSVOA_U
ClientSampleId :

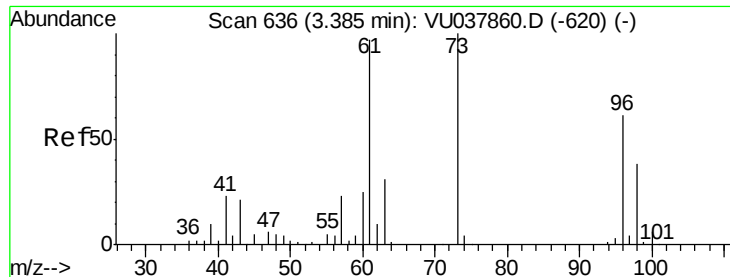
Tot Ion: 43 Resp: 272059
Ion Ratio Lower Upper
43 100
74 21.1 17.0 25.4



#16
Methylene chloride
Concen: 51.912 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion: 84 Resp: 204003
Ion Ratio Lower Upper
84 100
86 64.2 43.5 80.7
49 142.9 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 52.293 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :
MSVOA_U
ClientSampleId :

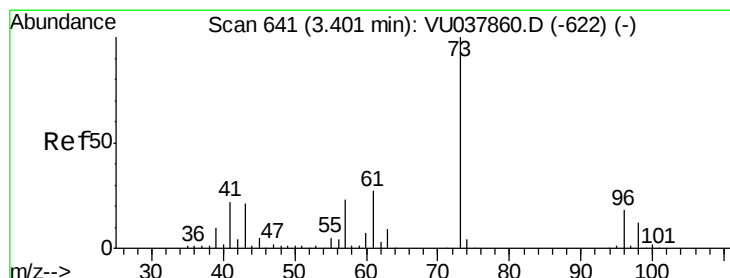
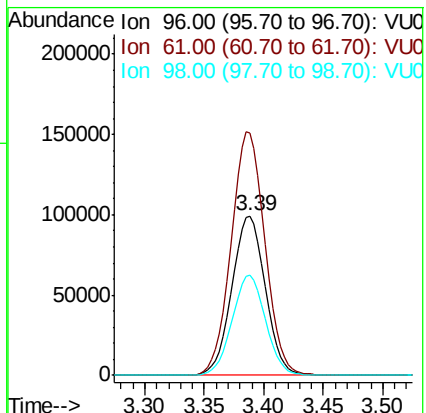
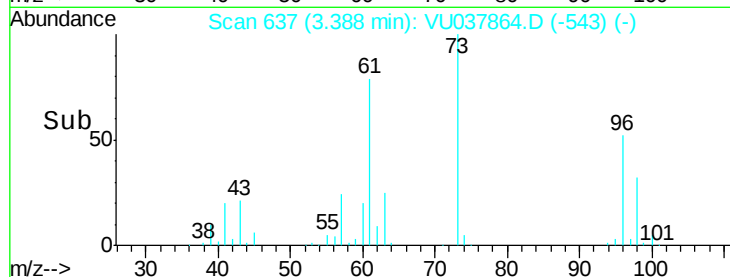
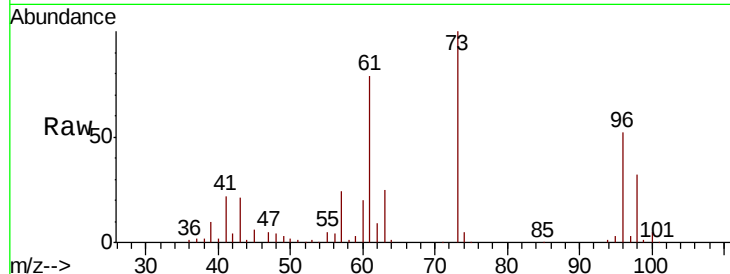
Tot Ion: 96 Resp: 193370

Ion Ratio Lower Upper

96 100

61 152.2 111.4 207.0

98 62.7 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 51.355 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

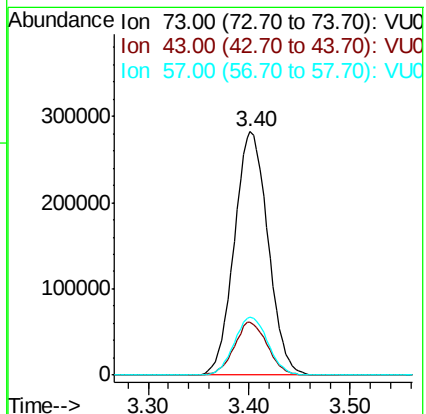
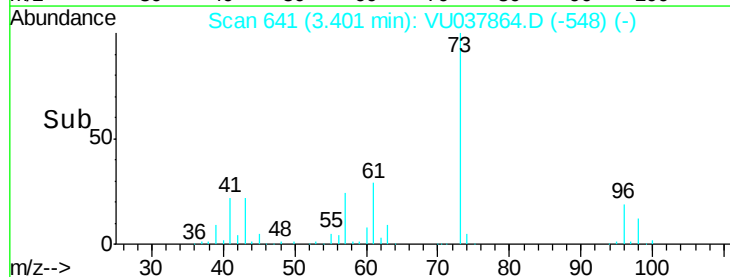
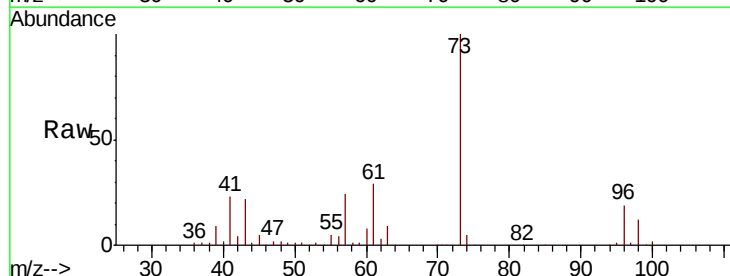
Tgt Ion: 73 Resp: 654145

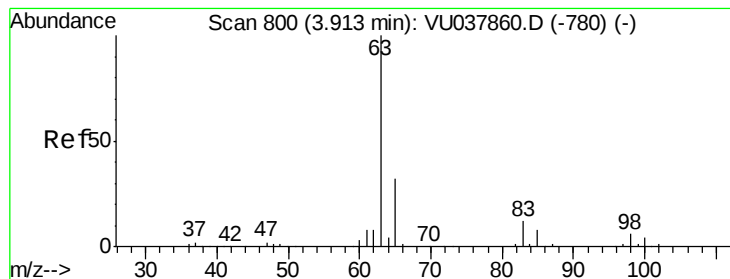
Ion Ratio Lower Upper

73 100

43 21.3 17.0 25.6

57 23.9 18.7 28.1





#19

1,1-Dichloroethane

Concen: 51.795 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

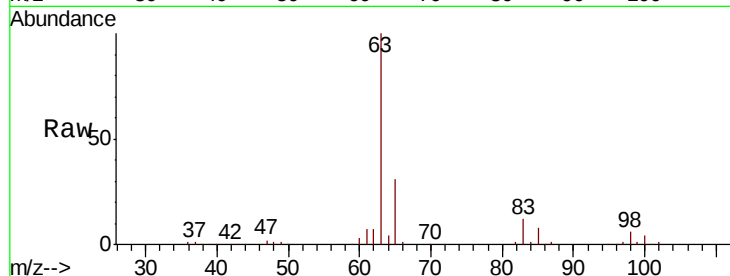
Tot Ion: 63 Resp: 386076

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

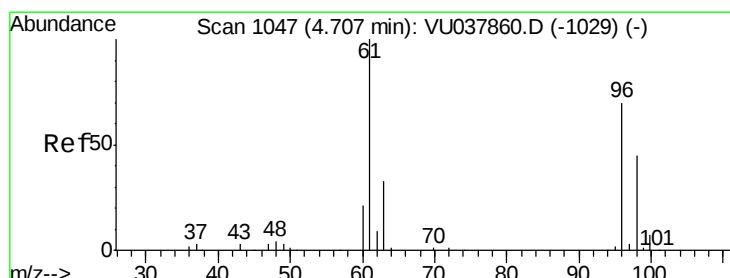
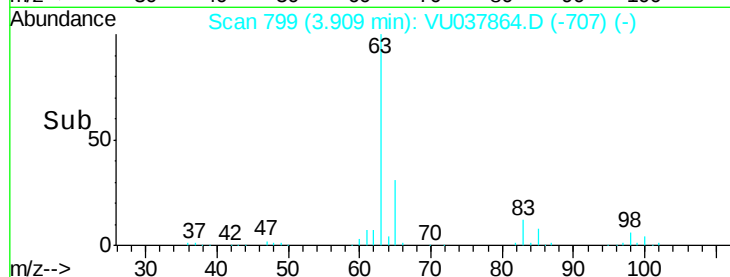
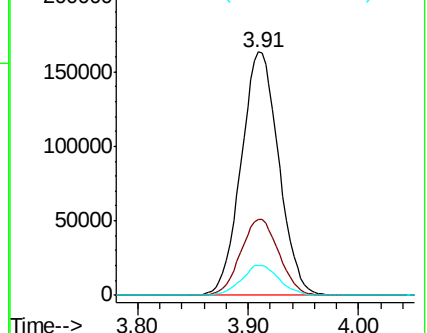
83 12.4 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037864.D (-799) (-)

Ion 65.00 (64.70 to 65.70): VU037864.D (-799) (-)

Ion 83.00 (82.70 to 83.70): VU037864.D (-799) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.427 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

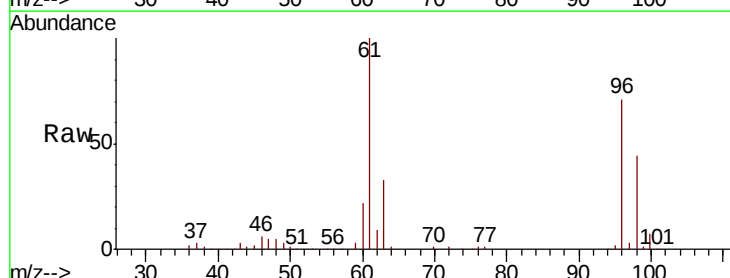
Tgt Ion: 96 Resp: 212266

Ion Ratio Lower Upper

96 100

61 141.1 100.4 186.4

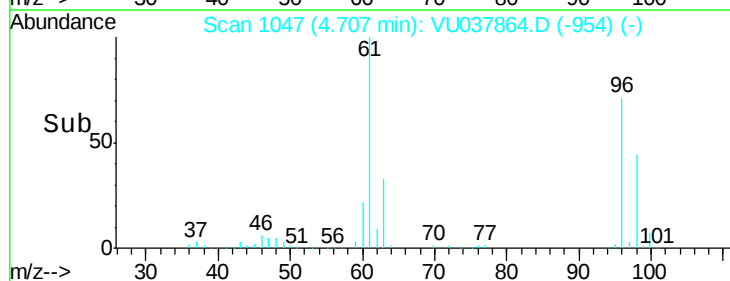
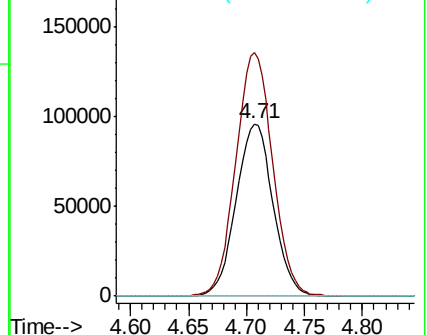
68 0.0 0.0 0.0

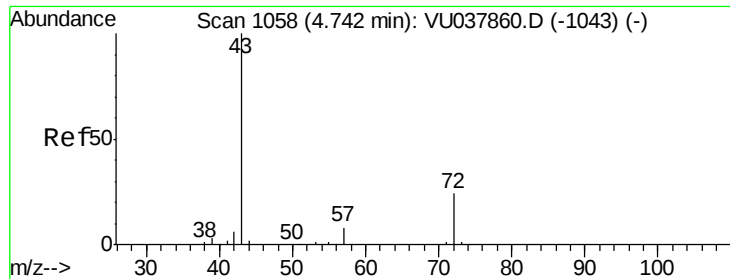


Abundance Ion 96.00 (95.70 to 96.70): VU037864.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037864.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037864.D (-1047) (-)





#22

2-Butanone

Concen: 98.300 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

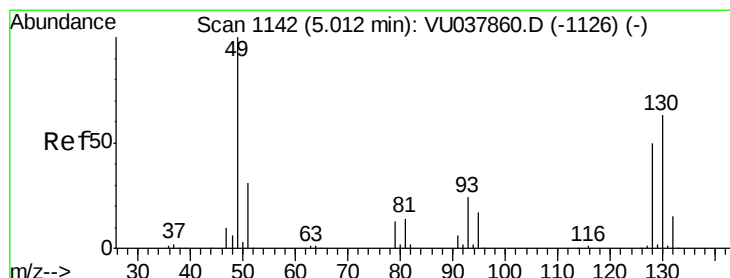
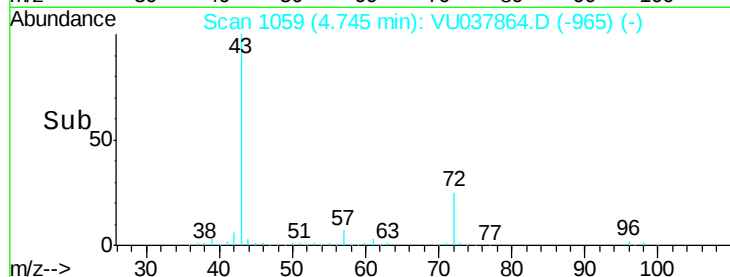
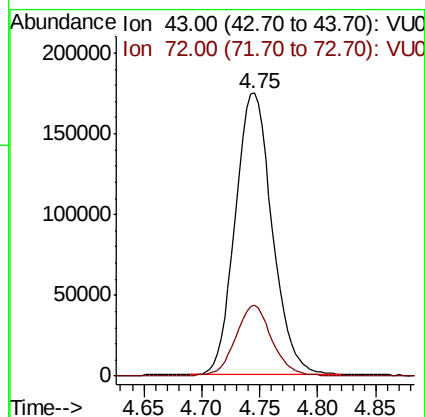
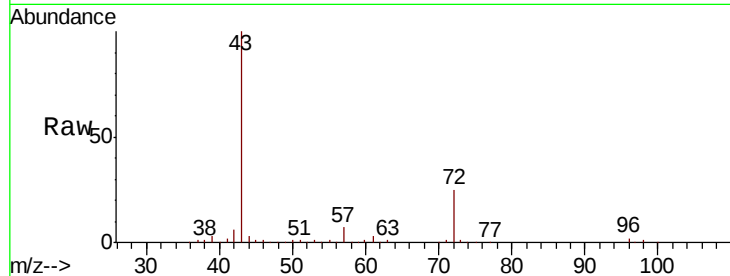
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 387296

Ion Ratio Lower Upper

43 100

72 25.0 12.6 37.6



#23

Bromochloromethane

Concen: 52.720 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Tgt Ion: 128 Resp: 103142

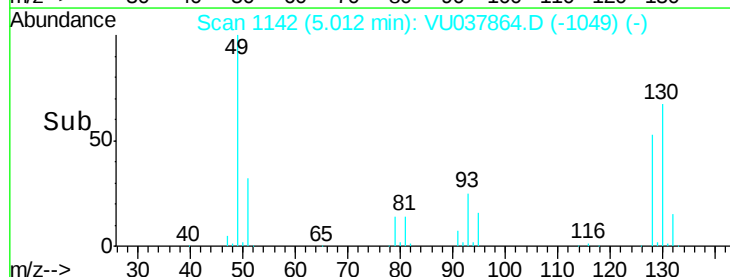
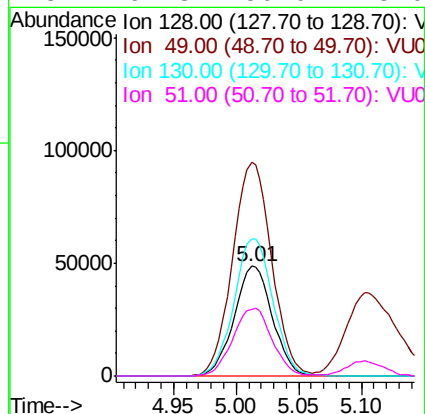
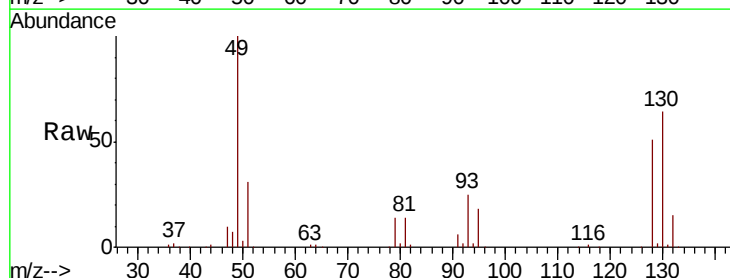
Ion Ratio Lower Upper

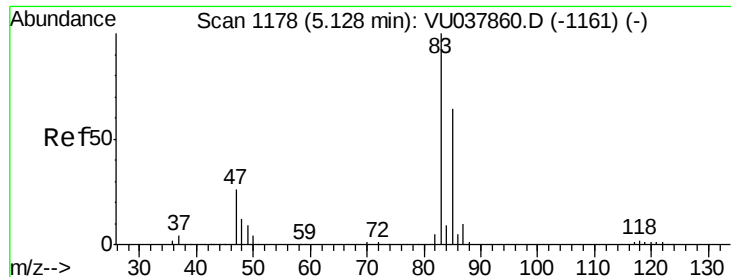
128 100

49 194.8 140.9 261.7

130 125.3 88.6 164.6

51 61.3 50.0 75.0

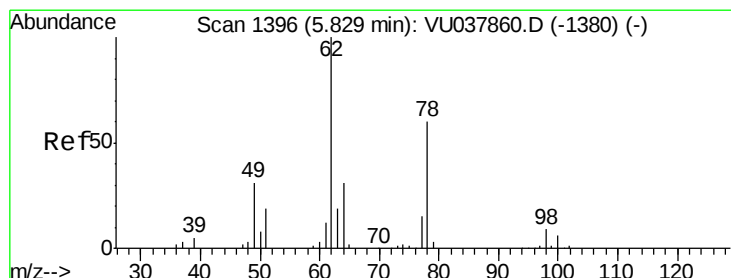
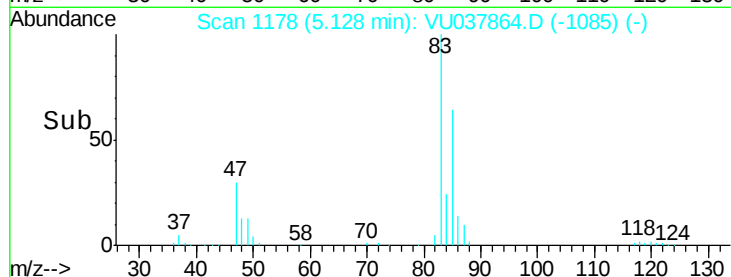
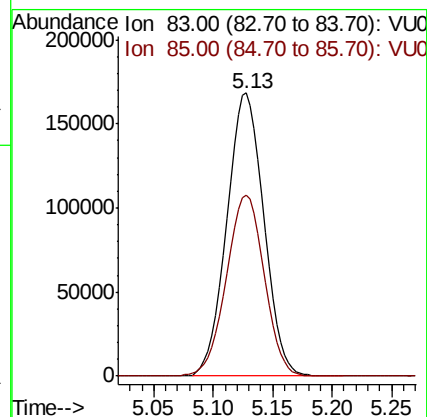
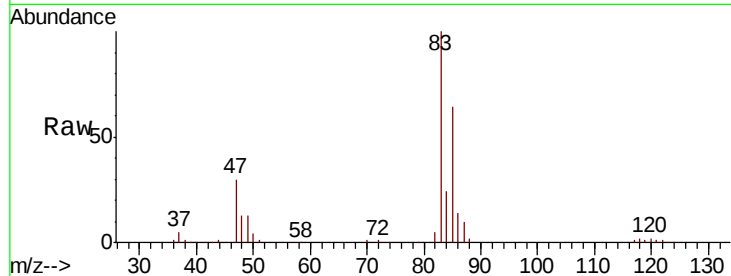




#25
Chloroform
Concen: 52.115 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

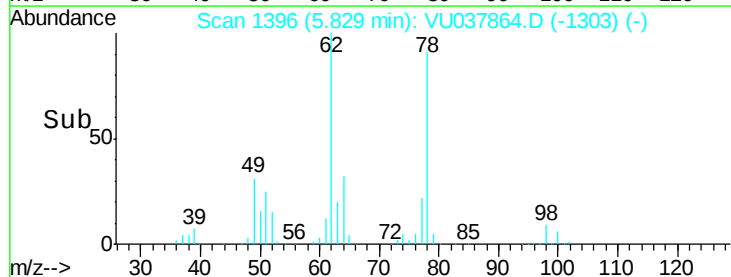
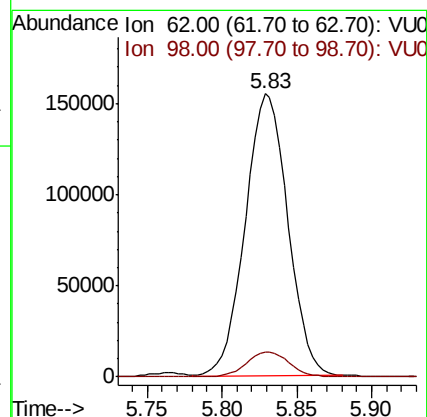
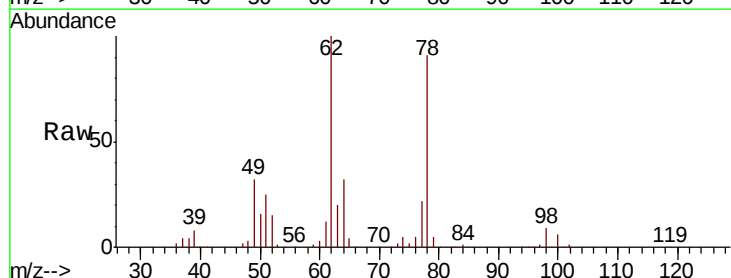
Instrument :
MSVOA_U
ClientSampleId :

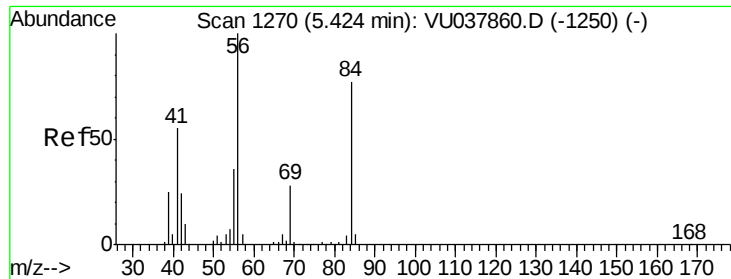
Tot Ion: 83 Resp: 363479
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.577 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion: 62 Resp: 308097
Ion Ratio Lower Upper
62 100
98 8.6 7.3 10.9

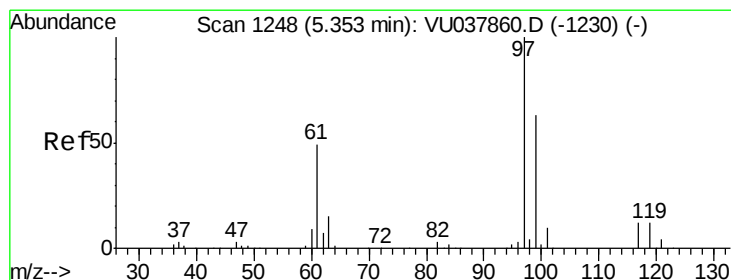
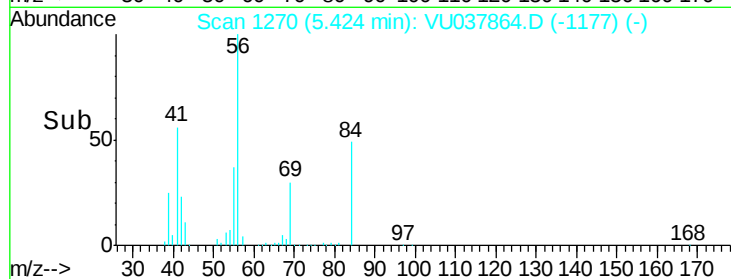
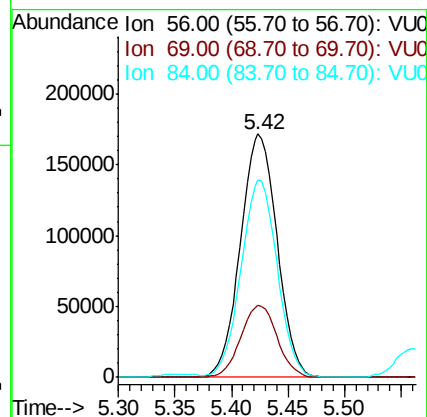
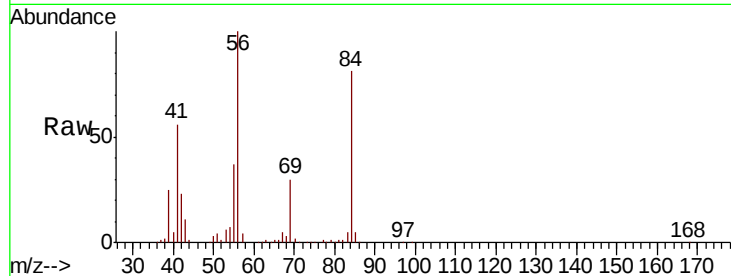




#29
Cyclohexane
Concen: 53.118 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

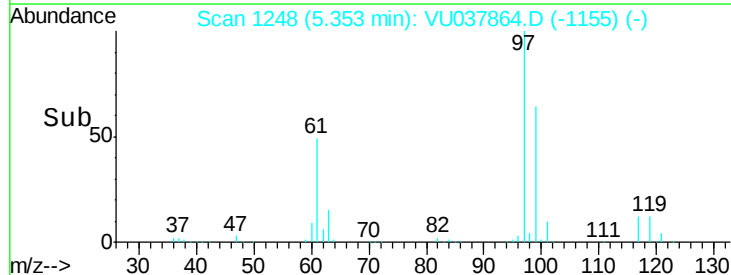
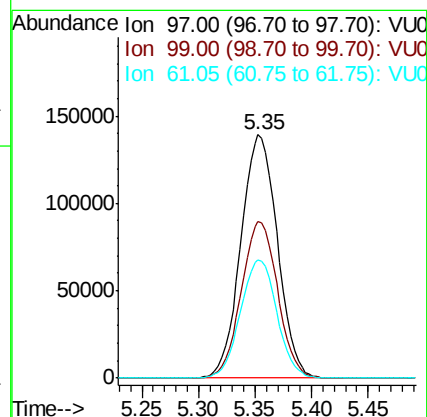
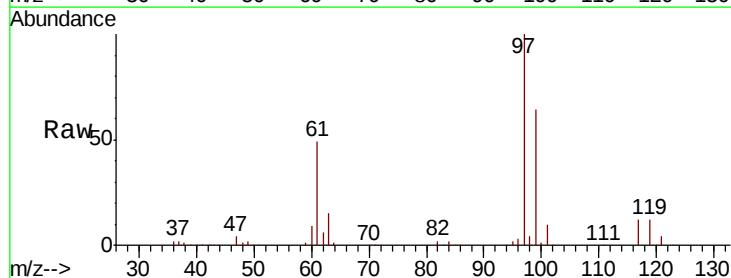
Instrument :
MSVOA_U
ClientSampled :

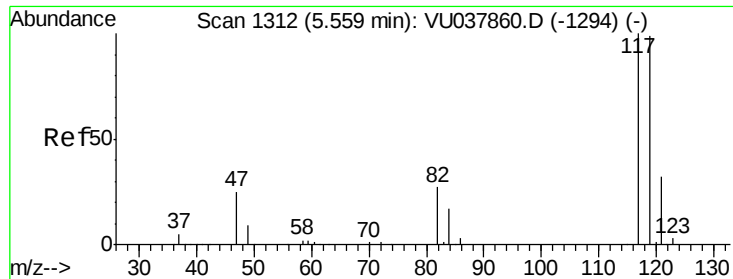
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.9	34.3
84	80.0	63.6	95.4



#30
1,1,1-Trichloroethane
Concen: 53.757 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	48.4	38.9	58.3

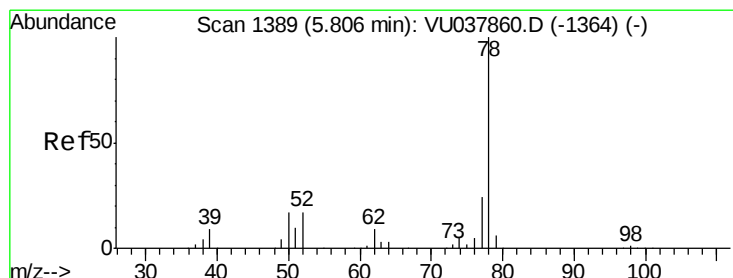
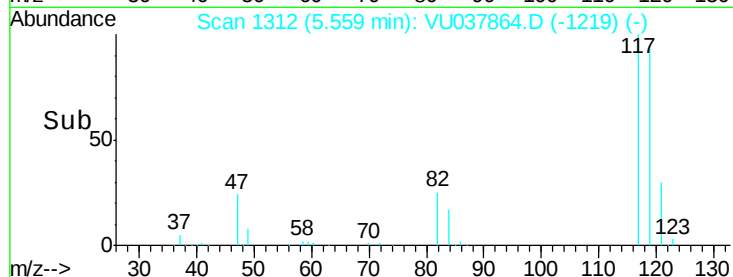
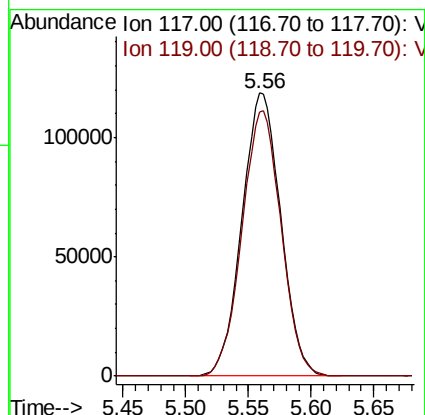
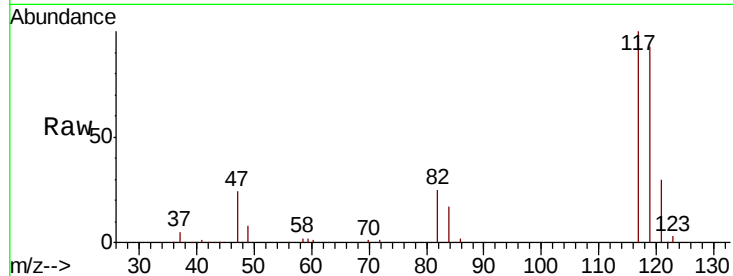




#31
Carbon tetrachloride
Concen: 54.127 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

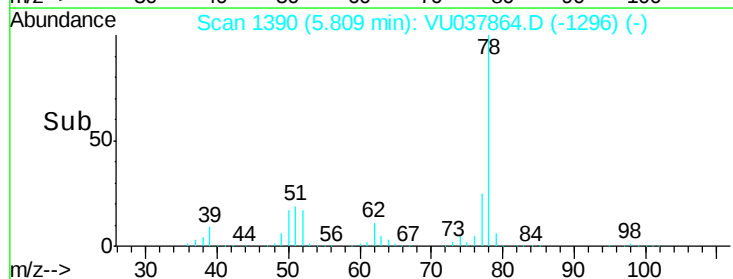
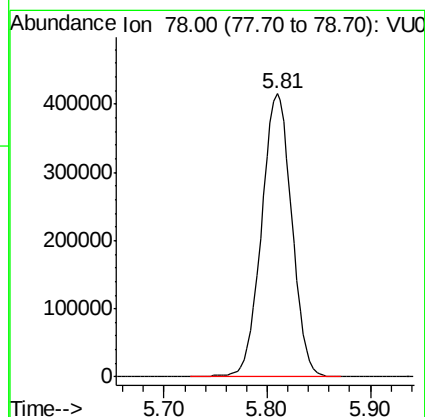
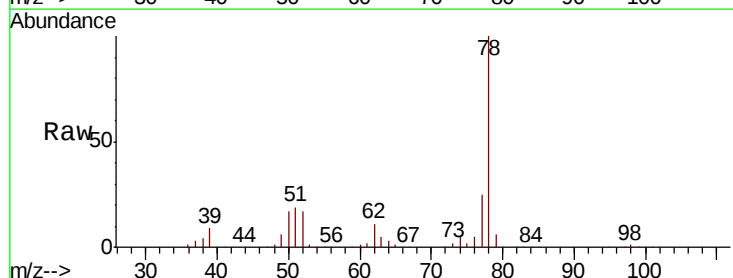
Instrument :
MSVOA_U
ClientSampled :

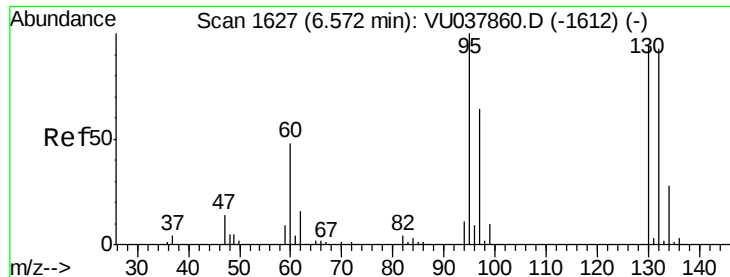
Tot Ion:117 Resp: 255191
Ion Ratio Lower Upper
117 100
119 94.6 76.7 115.1



#33
Benzene
Concen: 53.161 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion: 78 Resp: 842627





#34

Trichloroethene

Concen: 52.467 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 203989

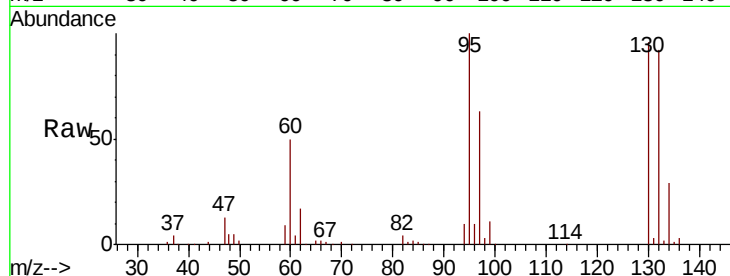
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.5

132 92.3 65.0 120.6

130 96.2 65.5 121.7

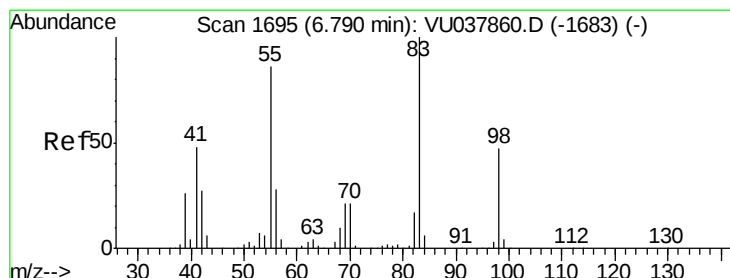
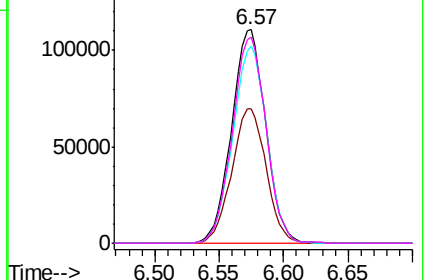
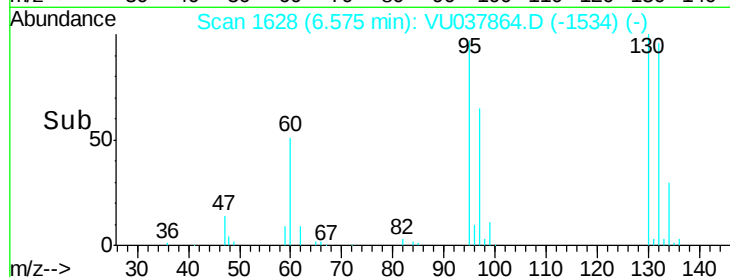


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.843 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

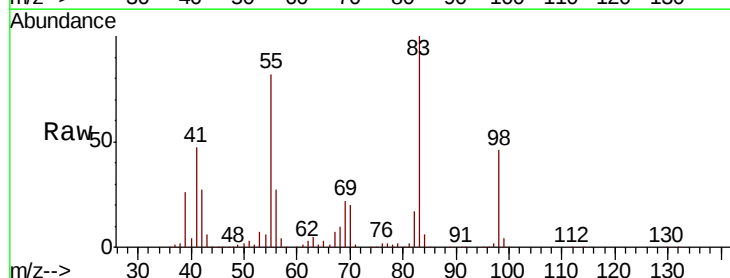
Tgt Ion: 83 Resp: 366560

Ion Ratio Lower Upper

83 100

55 82.5 66.3 99.5

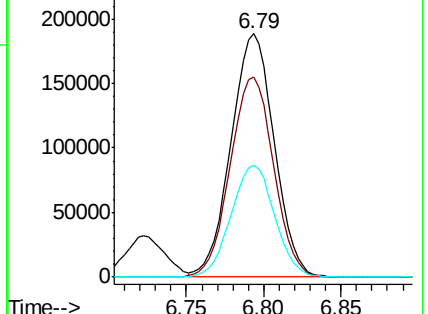
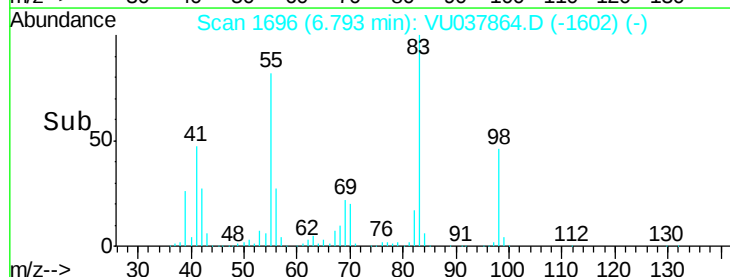
98 46.1 37.4 56.0

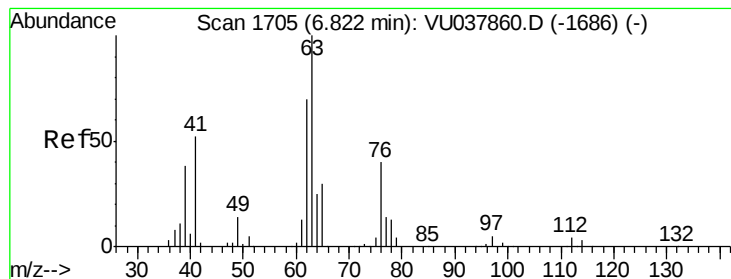


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 53.271 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

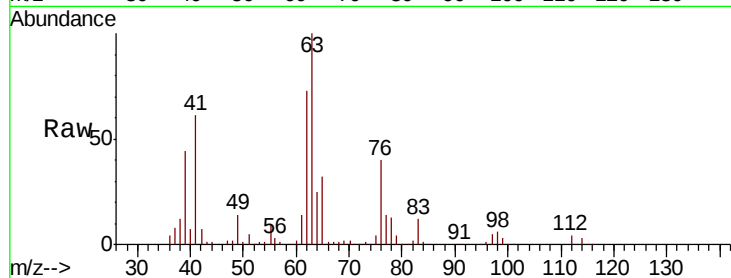
ClientSampleId :

Tot Ion: 63 Resp: 230617

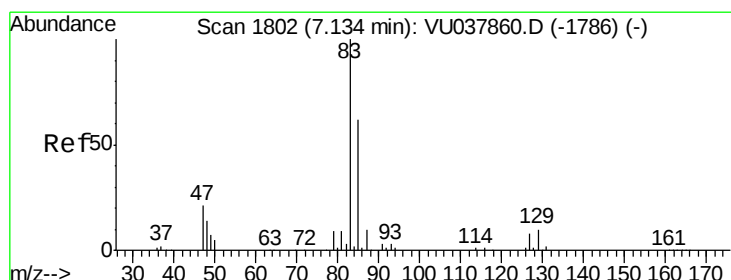
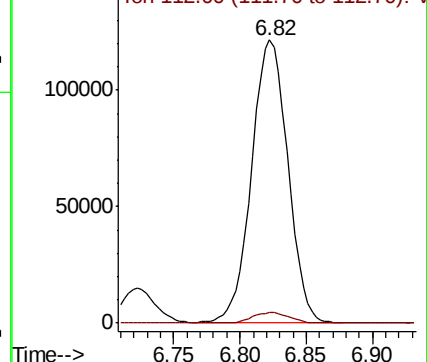
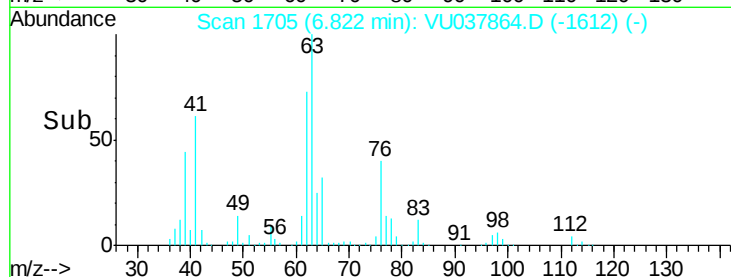
Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU037864.D (-1612) (-)



#38

Bromodichloromethane

Concen: 52.941 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

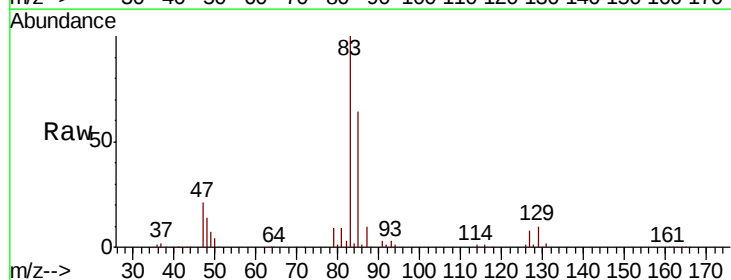
Tgt Ion: 83 Resp: 276906

Ion Ratio Lower Upper

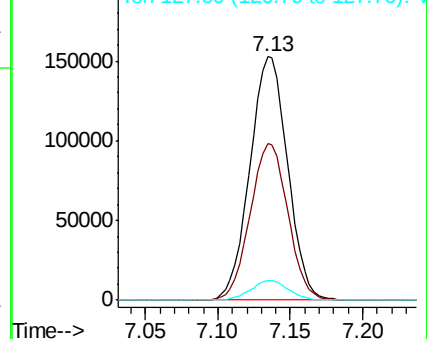
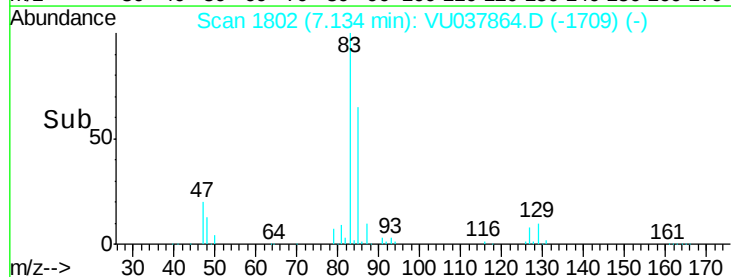
83 100

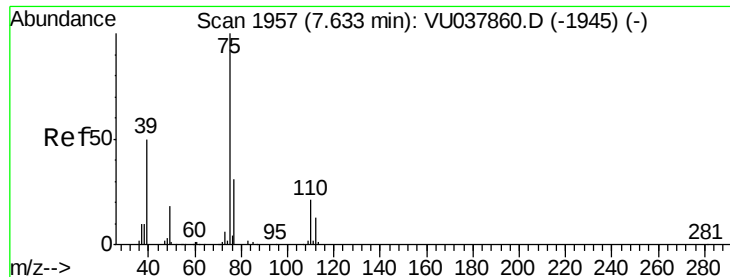
85 64.3 43.3 80.3

127 8.0 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU037864.D (-1709) (-)





#39

cis-1,3-Dichloropropene

Concen: 52.363 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

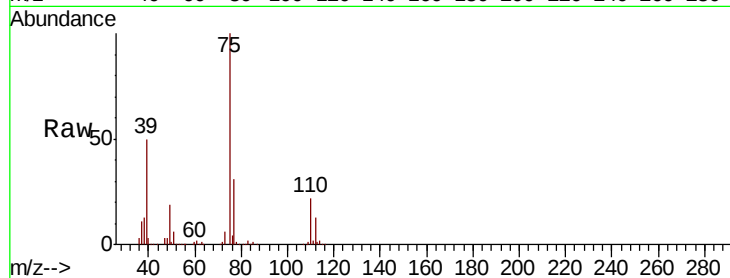
ClientSampleId :

Tot Ion: 75 Resp: 362942

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU037860.D (-1945) (-)

Ion 77.00 (76.70 to 77.70): VU037860.D (-1945) (-)

7.64

200000

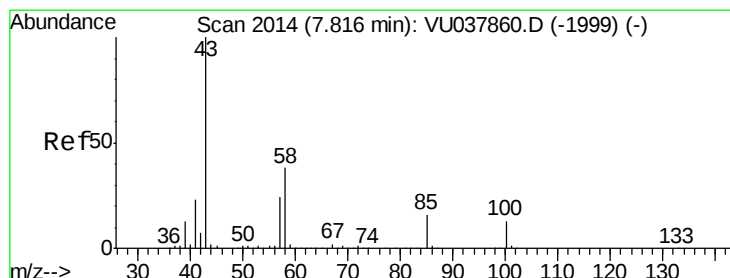
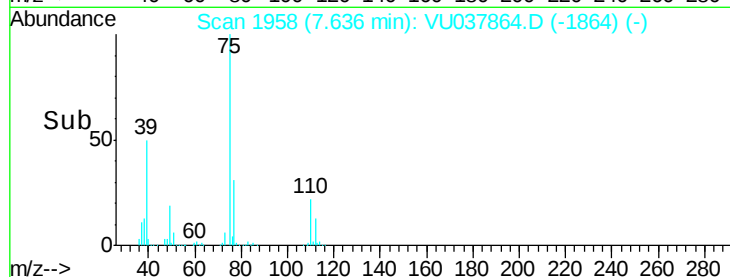
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#40

4-Methyl-2-pentanone

Concen: 101.224 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

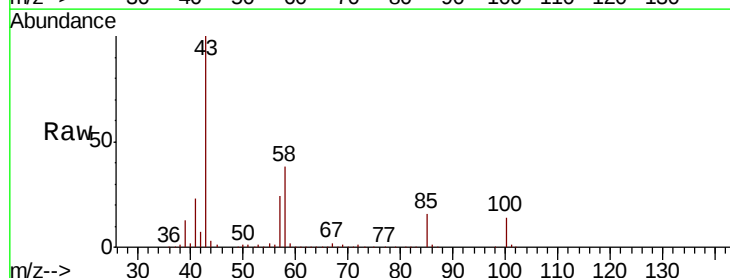
Tgt Ion: 43 Resp: 762093

Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2

100 14.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VU037860.D (-1999) (-)

Ion 58.00 (57.70 to 58.70): VU037860.D (-1999) (-)

Ion 100.00 (99.70 to 100.70): VU037860.D (-1999) (-)

7.82

600000

500000

400000

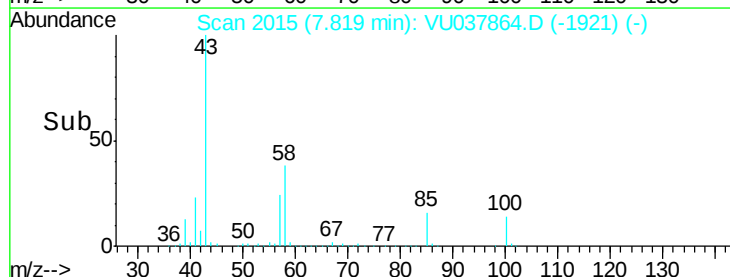
300000

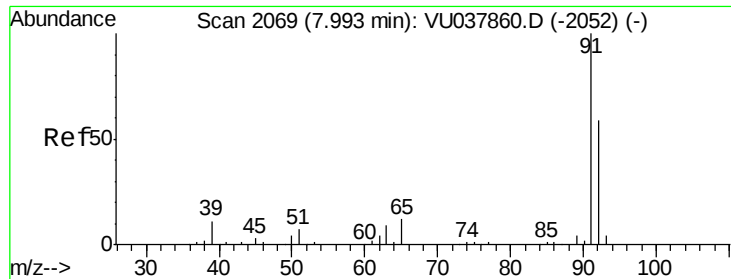
200000

100000

0

Time--> 7.75 7.80 7.85 7.90





#42

Toluene

Concen: 52.738 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

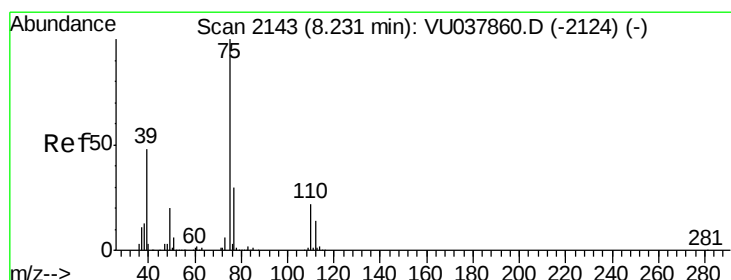
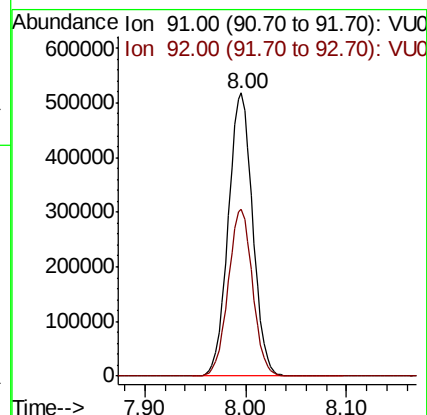
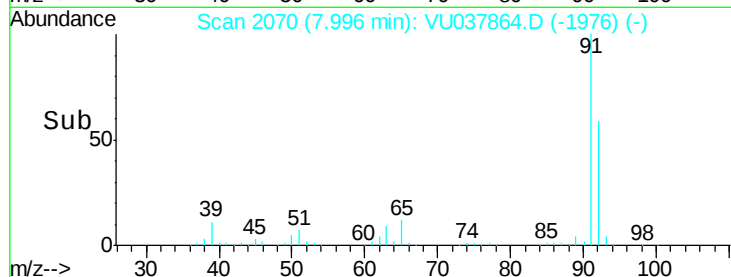
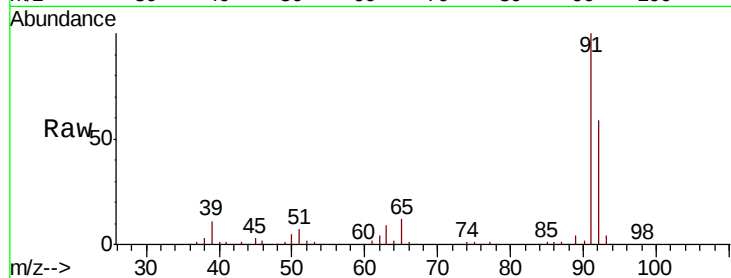
ClientSampled :

Tot Ion: 91 Resp: 876433

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 52.550 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037864.D

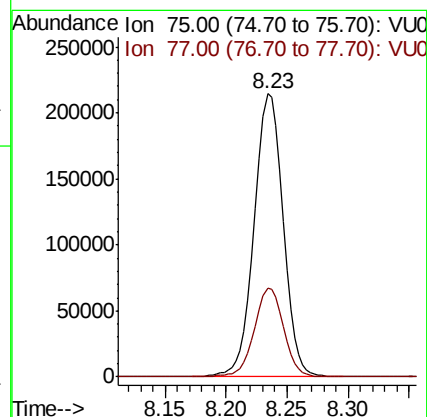
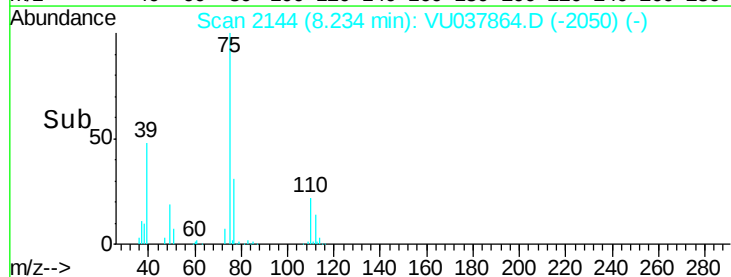
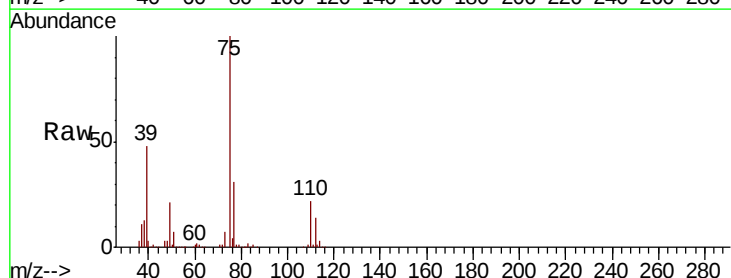
Acq: 23 Apr 2020 16:51

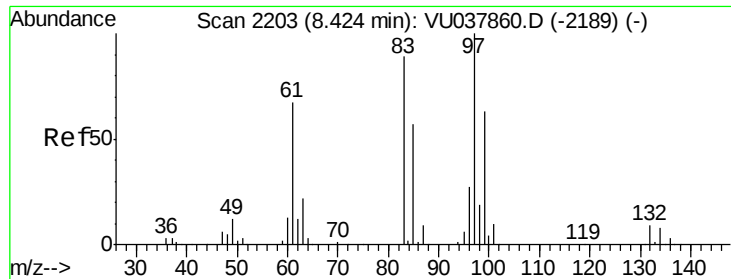
Tgt Ion: 75 Resp: 351587

Ion Ratio Lower Upper

75 100

77 31.2 21.0 39.0

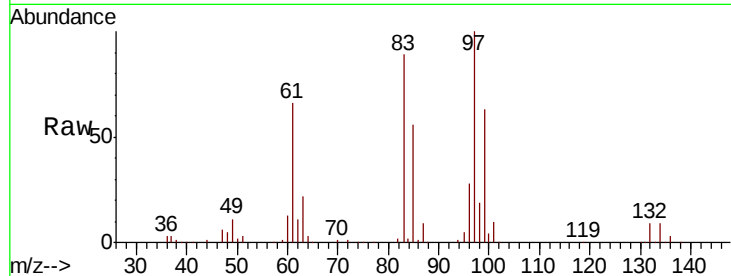




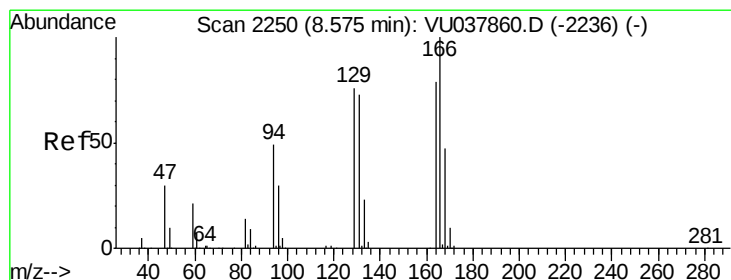
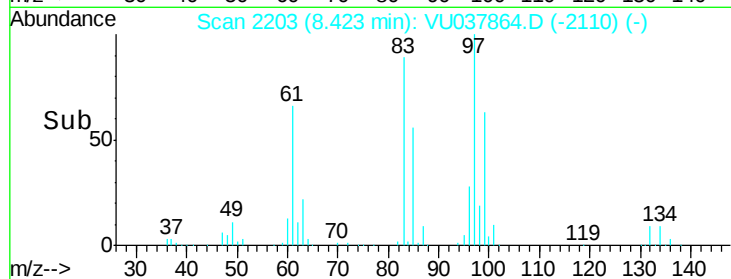
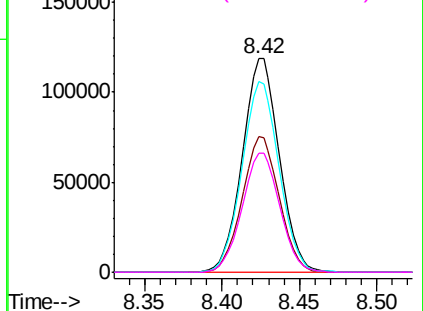
#45
1,1,2-Trichloroethane
Concen: 52.534 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	198399
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.6
83	89.3	62.6	116.2
85	55.9	40.0	74.4

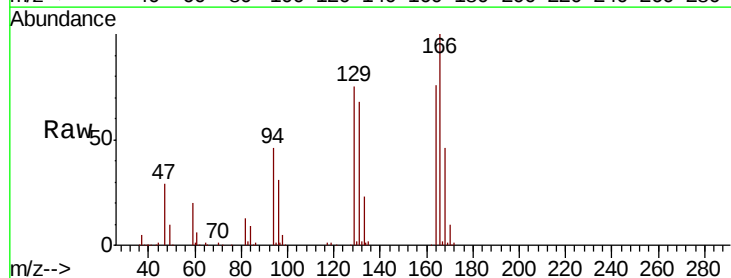


Abundance Ion 97.00 (96.70 to 97.70): VU037864.D (-2189) (-)

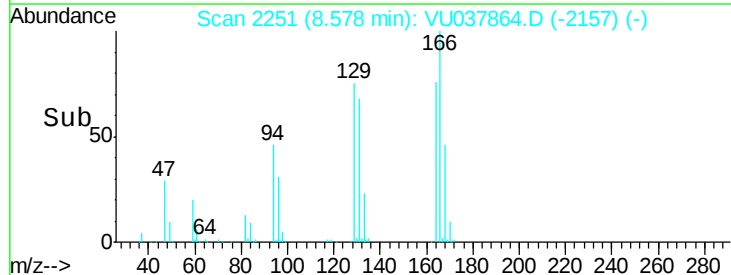
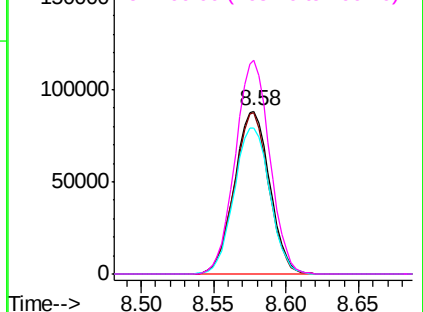


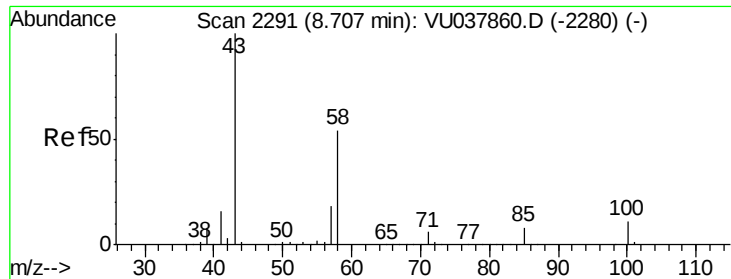
#46
Tetrachloroethene
Concen: 52.635 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion:	164	Resp:	149577
Ion	Ratio	Lower	Upper
164	100		
129	98.8	67.3	125.1
131	89.6	64.8	120.4
166	131.1	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VU037864.D (-2236) (-)

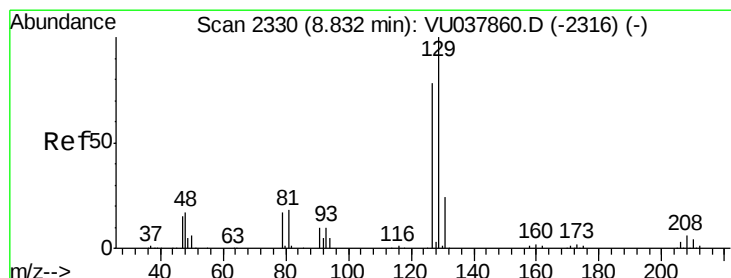
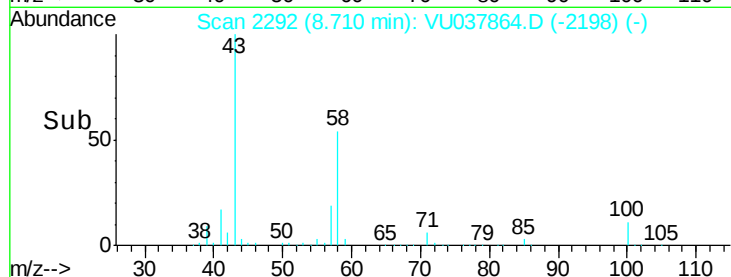
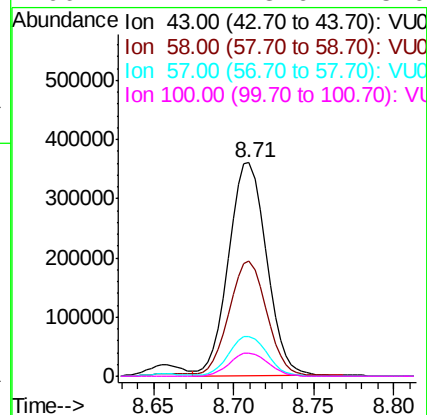
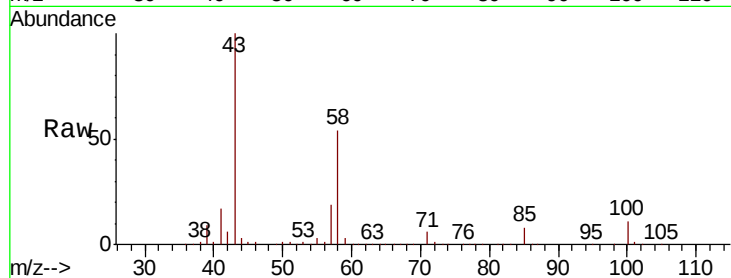




#48
2-Hexanone
Concen: 98.036 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

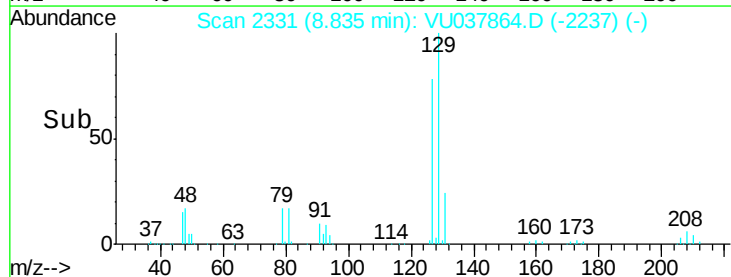
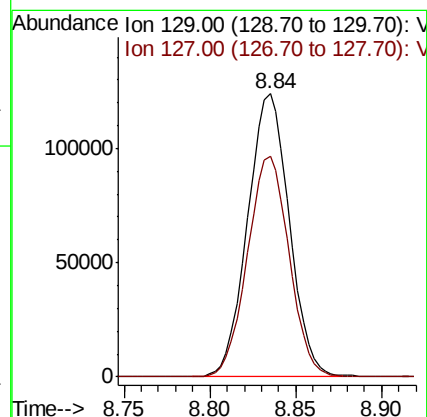
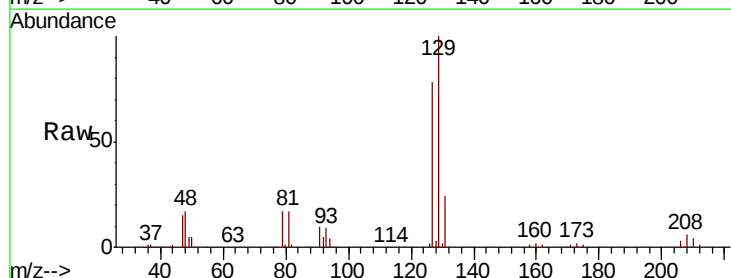
Instrument :
MSVOA_U
ClientSampleId :

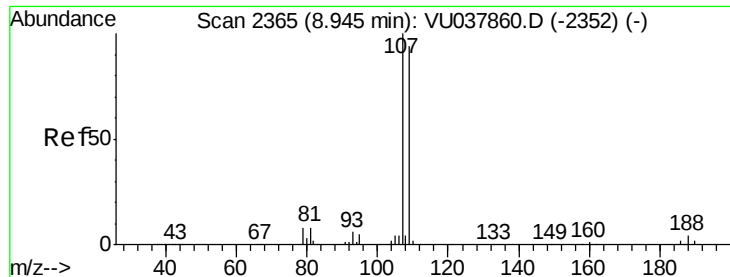
Tot Ion: 43 Resp: 583582
Ion Ratio Lower Upper
43 100
58 53.6 42.6 63.8
57 19.1 14.6 22.0
100 11.2 8.6 13.0



#49
Dibromochloromethane
Concen: 52.838 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037864.D
Acq: 23 Apr 2020 16:51

Tgt Ion: 129 Resp: 208367
Ion Ratio Lower Upper
129 100
127 77.8 54.7 101.5

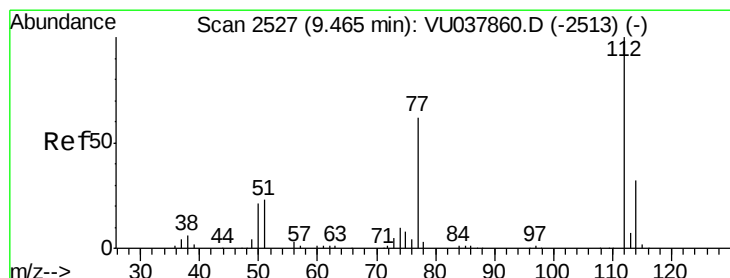
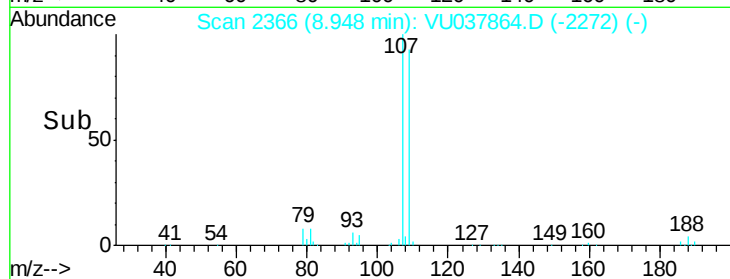
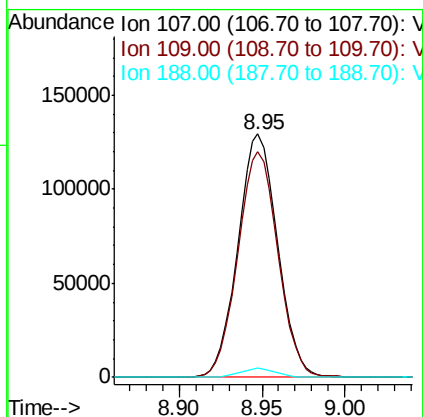
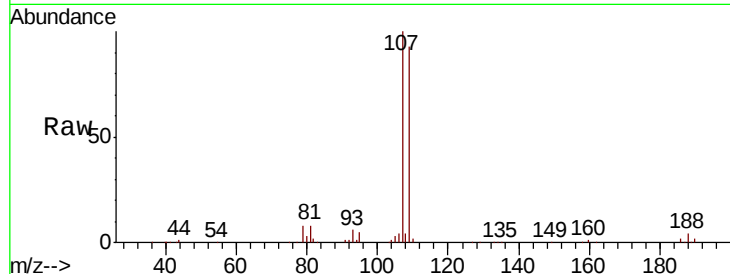




#50
 1,2-Dibromoethane
 Concen: 52.539 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

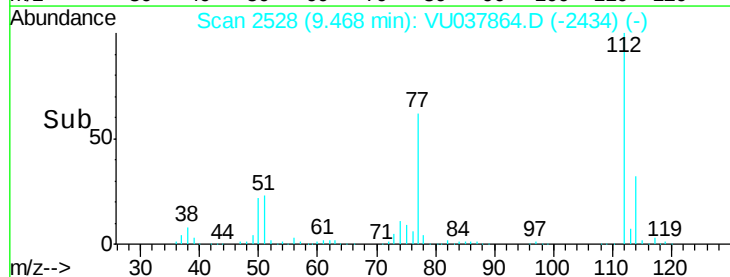
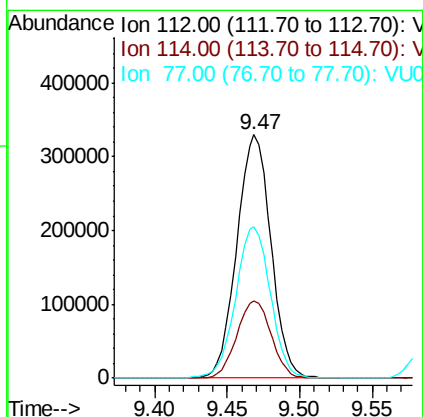
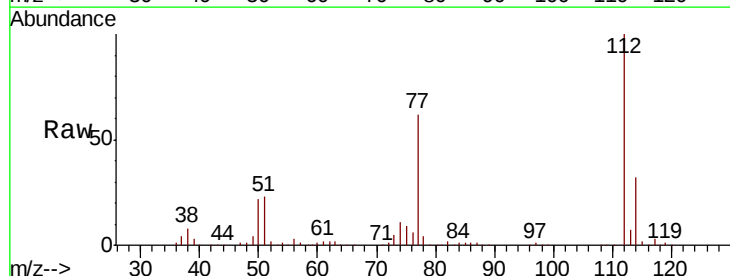
Instrument :
 MSVOA_U
 ClientSampleId :

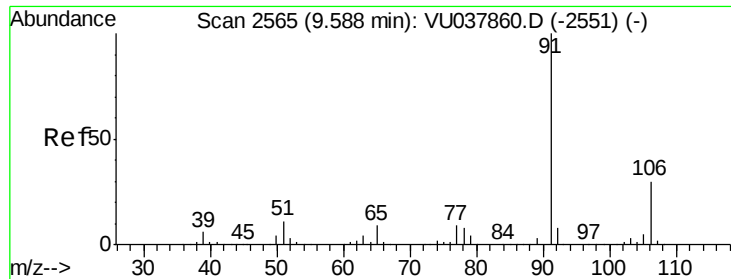
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.7	122.1
188	3.7	2.9	4.3



#51
 Chlorobenzene
 Concen: 52.139 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	62.4	49.8	74.6





#52

Ethylbenzene

Concen: 52.500 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

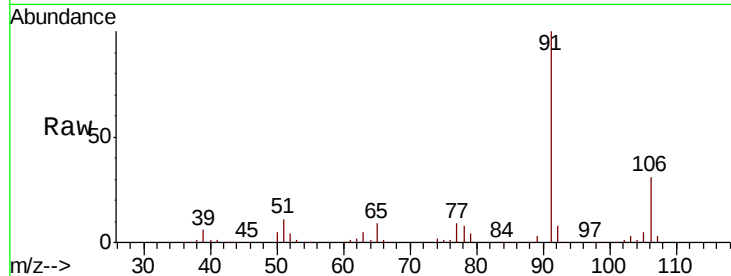
ClientSampleId :

Tot Ion: 91 Resp: 977051

Ion Ratio Lower Upper

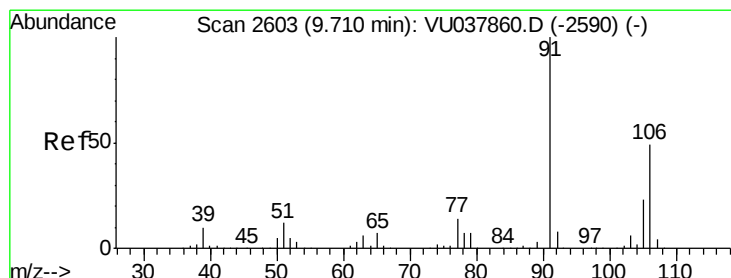
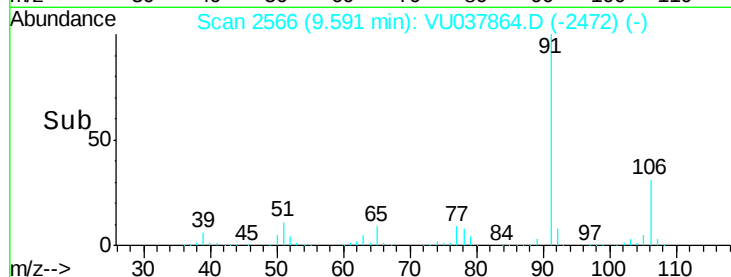
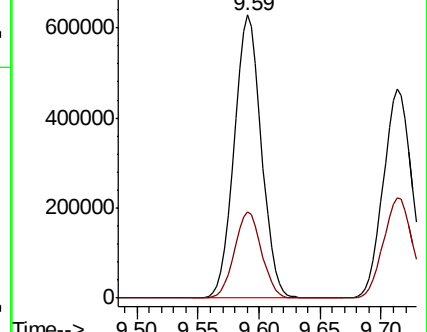
91 100

106 30.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037860.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037860.D (-2551) (-)



#53

m,p-Xylene

Concen: 52.889 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037864.D

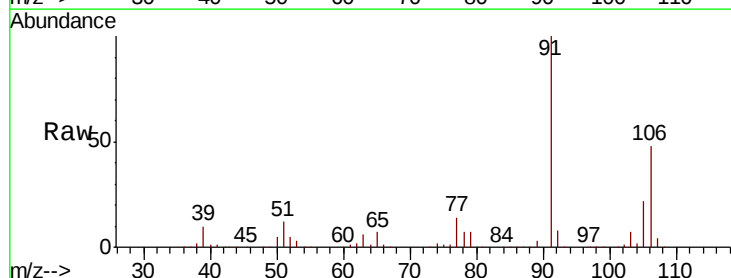
Acq: 23 Apr 2020 16:51

Tgt Ion:106 Resp: 370593

Ion Ratio Lower Upper

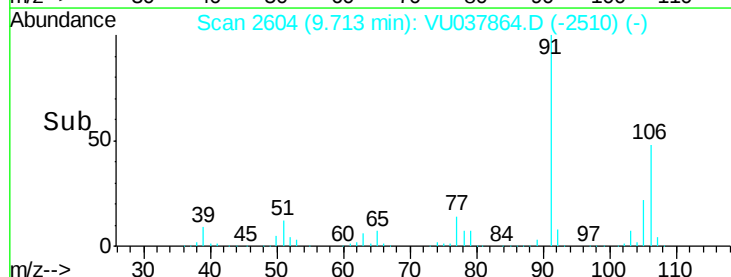
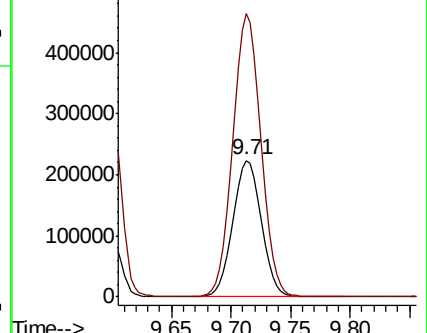
106 100

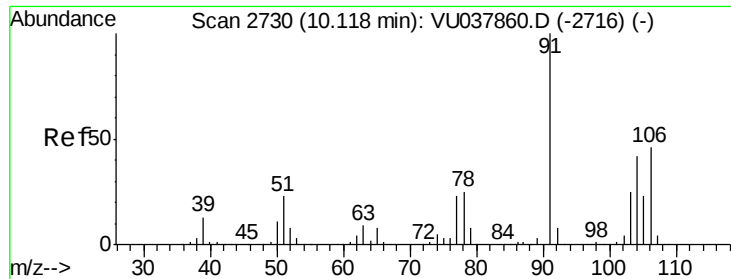
91 207.2 142.8 265.2



Abundance Ion 106.00 (105.70 to 106.70): VU037860.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU037860.D (-2590) (-)





#54

o-xylene

Concen: 52.841 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

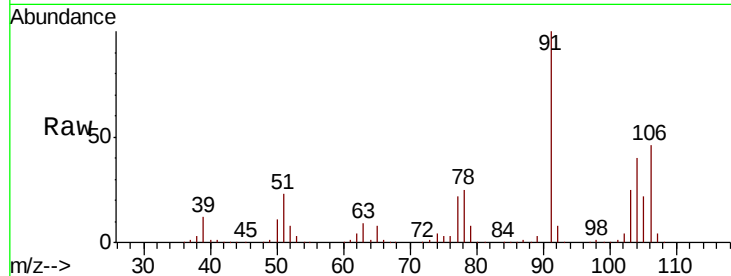
ClientSampleId :

Tot Ion:106 Resp: 362110

Ion Ratio Lower Upper

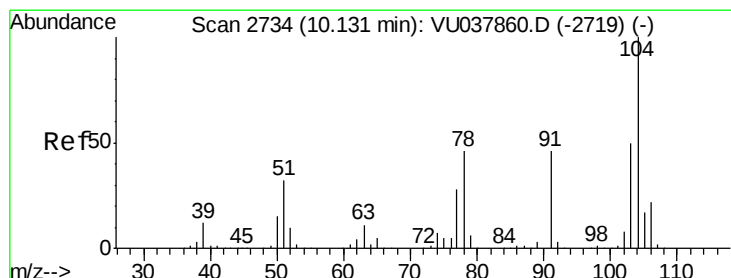
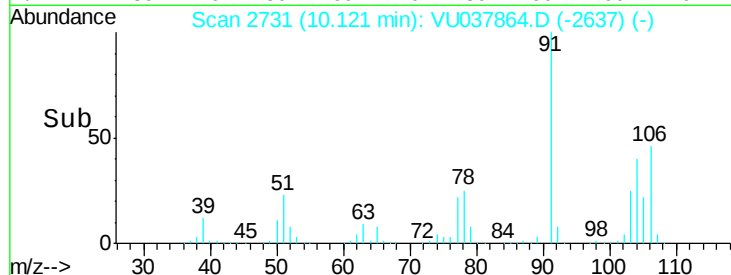
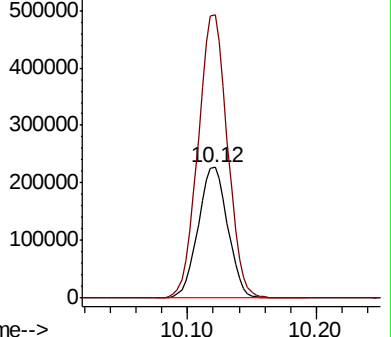
106 100

91 216.8 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.856 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037864.D

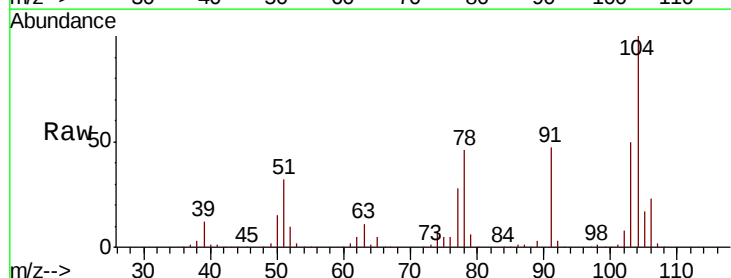
Acq: 23 Apr 2020 16:51

Tgt Ion:104 Resp: 622911

Ion Ratio Lower Upper

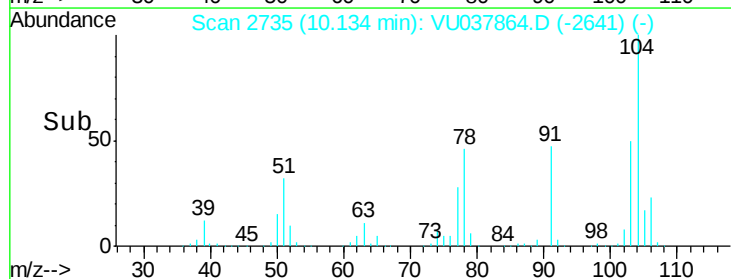
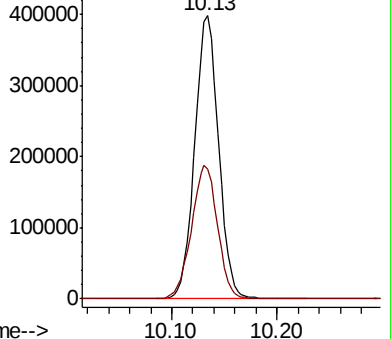
104 100

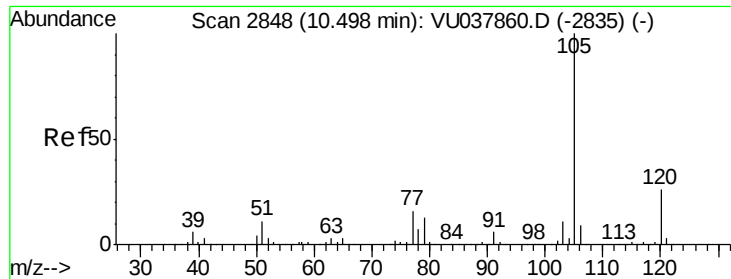
78 46.0 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.985 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampled :

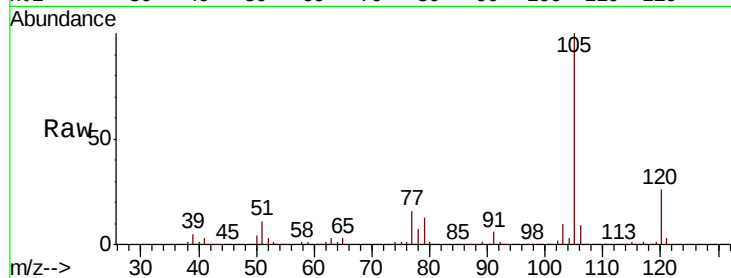
Tot Ion:105 Resp: 960948

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

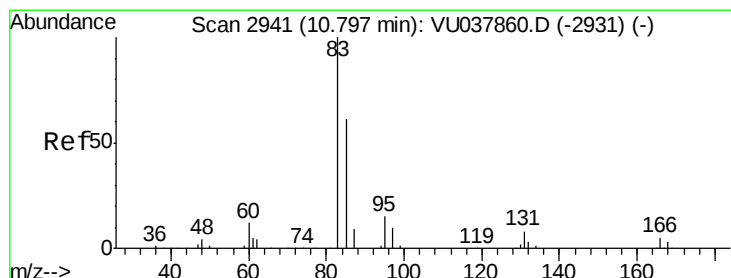
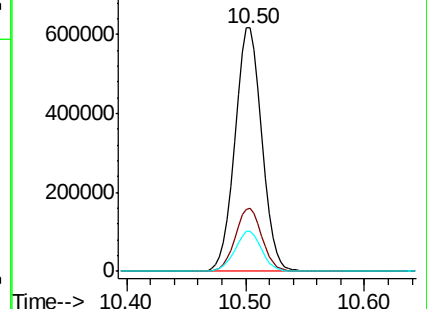
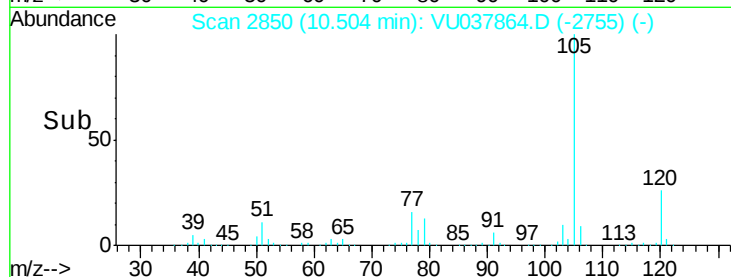
77 16.3 13.0 19.4



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: 51.826 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

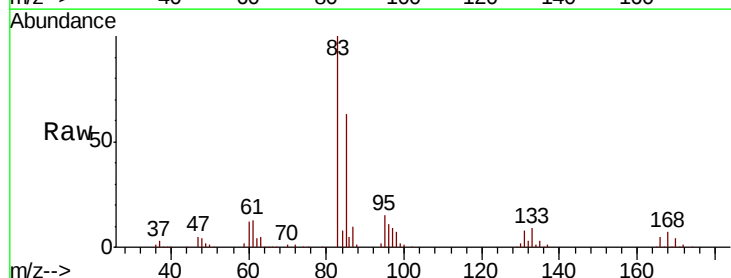
Tgt Ion: 83 Resp: 348093

Ion Ratio Lower Upper

83 100

85 63.5 43.8 81.4

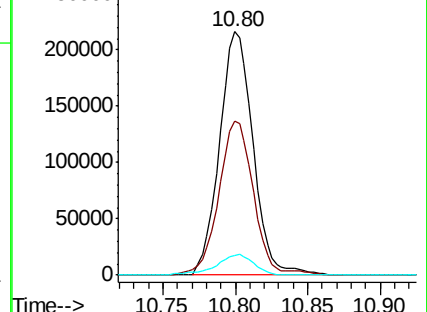
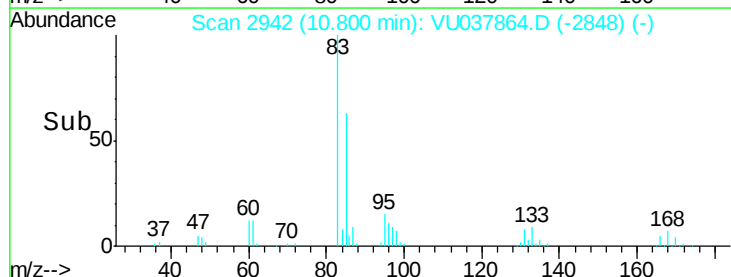
131 8.3 7.2 10.8

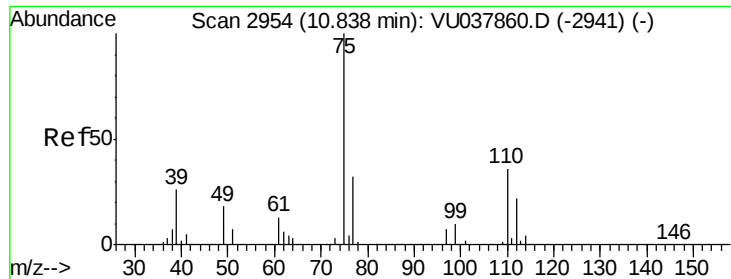


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.329 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

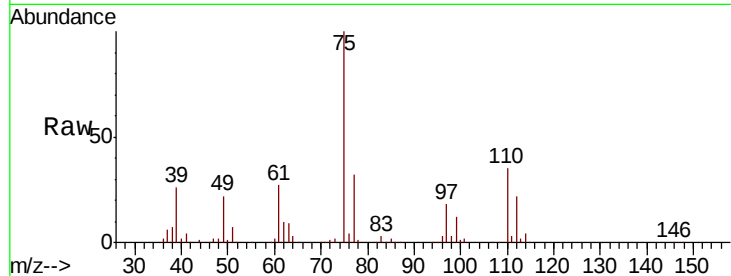
ClientSampleId :

Tot Ion: 75 Resp: 298502

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.84

200000

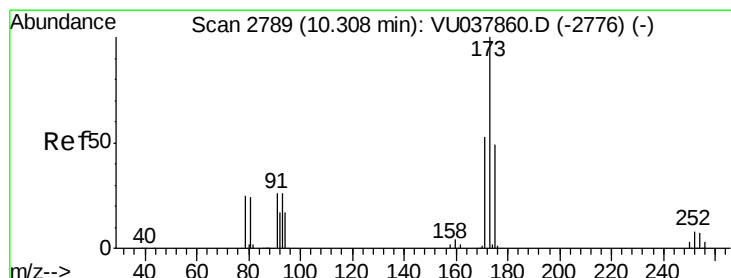
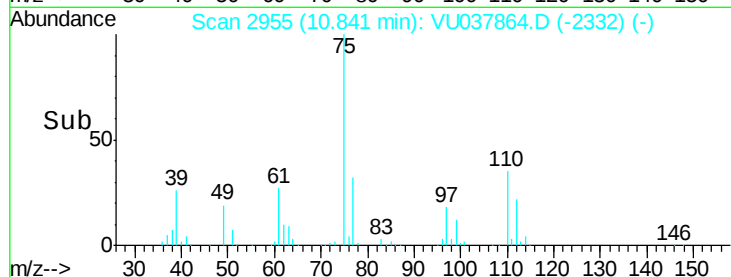
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 52.639 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

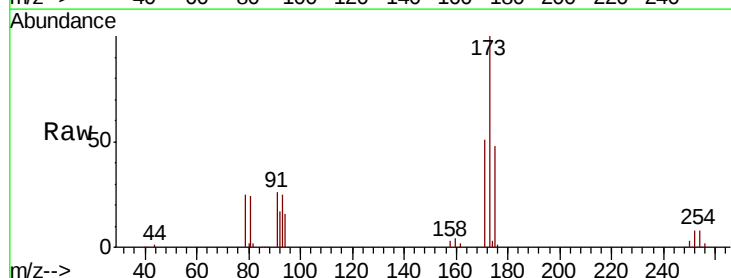
Tgt Ion:173 Resp: 157072

Ion Ratio Lower Upper

173 100

175 48.3 38.8 58.2

254 7.8 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

120000

100000

80000

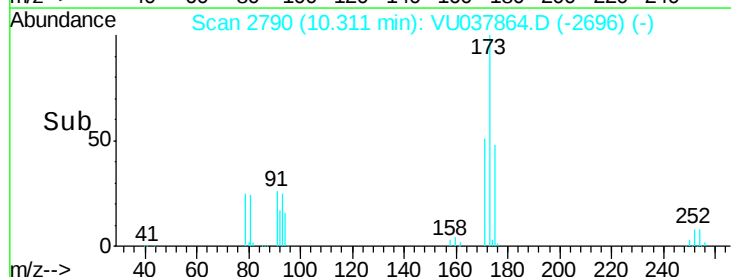
60000

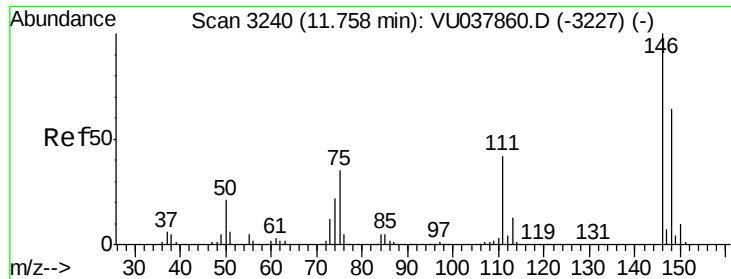
40000

20000

0

Time--> 10.30 10.40

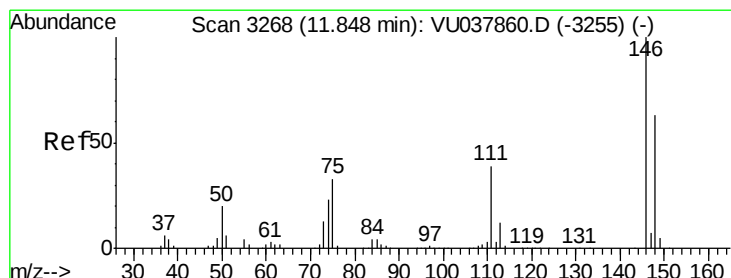
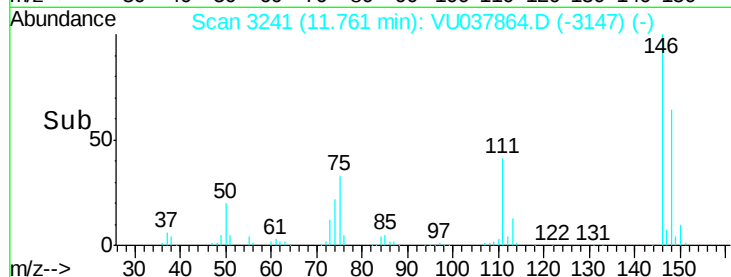
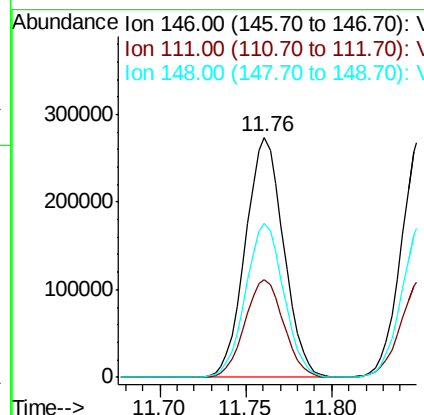
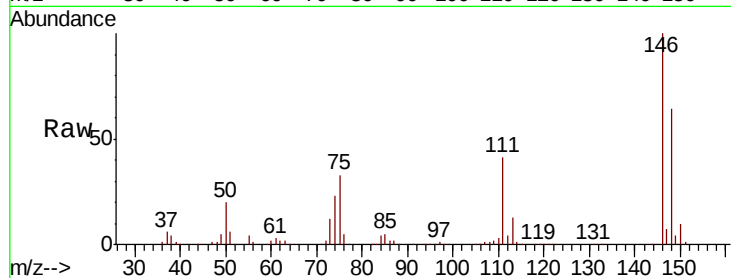




#62
 1,3-Dichlorobenzene
 Concen: 51.031 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

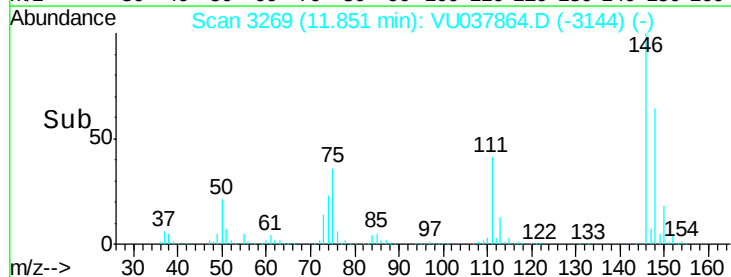
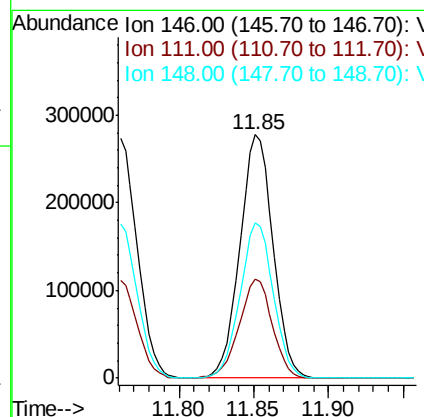
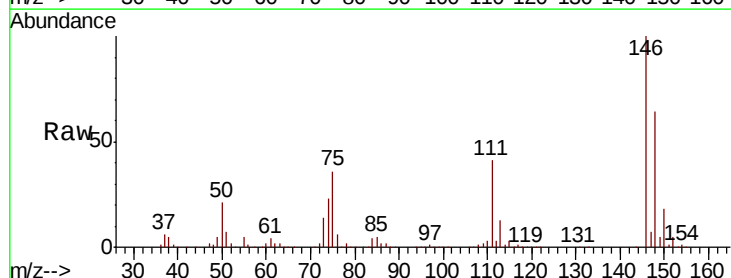
Instrument :
 MSVOA_U
 ClientSampled :

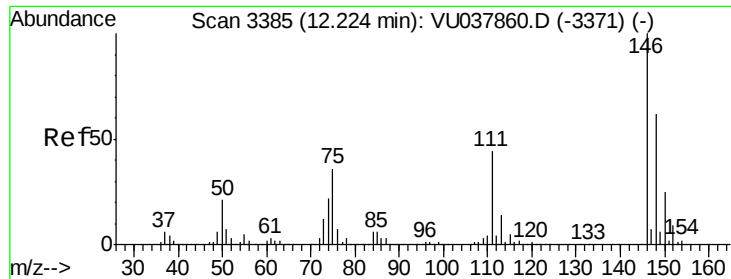
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	29.0	53.9
148	64.3	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 51.031 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.2	50.4
148	63.6	43.9	81.5





#65

1,2-Dichlorobenzene

Concen: 51.865 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampleId :

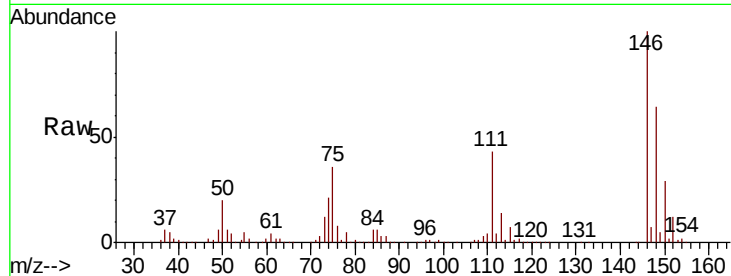
Tot Ion:146 Resp: 418399

Ion Ratio Lower Upper

146 100

111 42.9 35.4 53.2

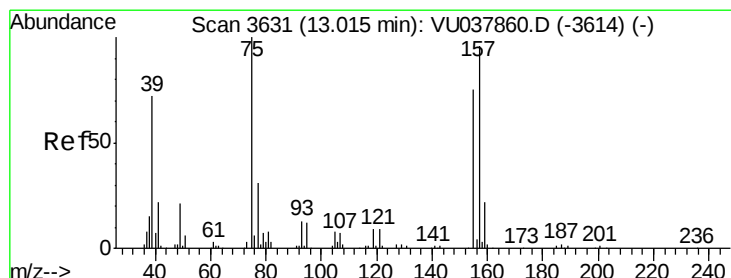
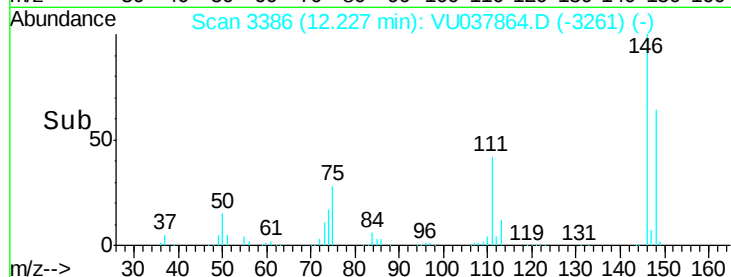
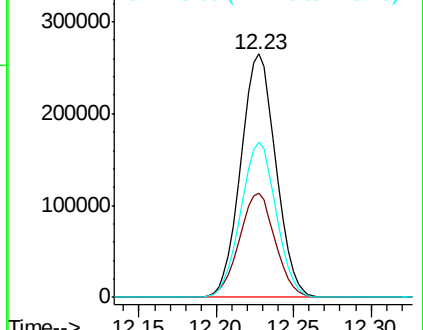
148 63.8 49.8 74.8



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: 47.884 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

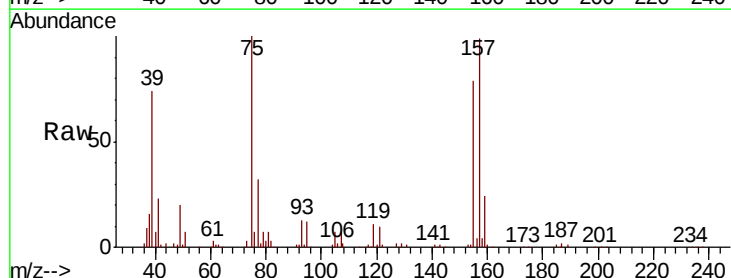
Tgt Ion: 75 Resp: 86088

Ion Ratio Lower Upper

75 100

155 79.0 59.6 89.4

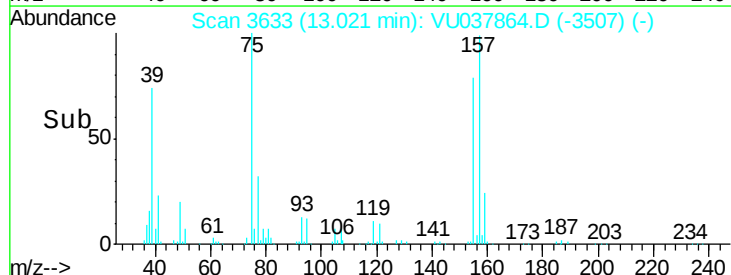
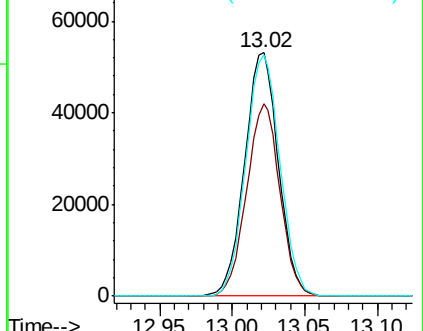
157 99.2 77.2 115.8

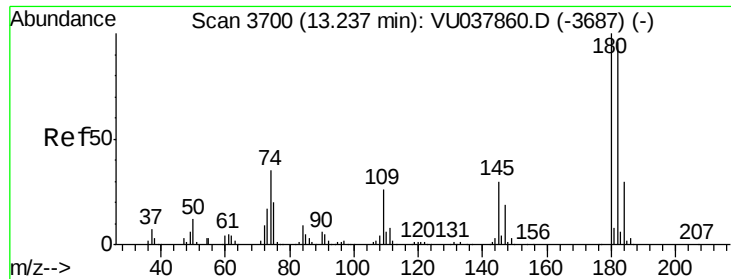


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

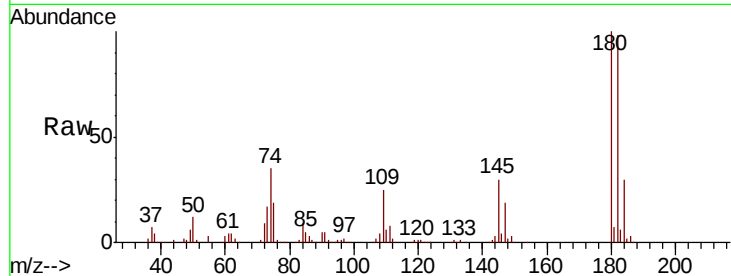




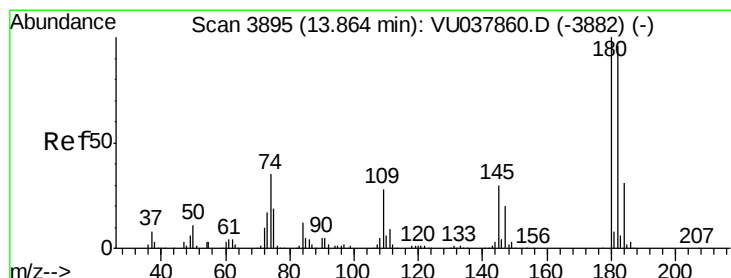
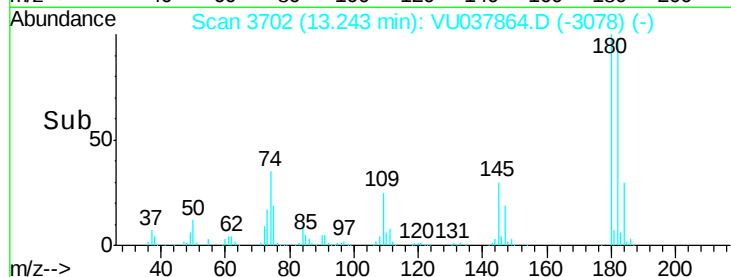
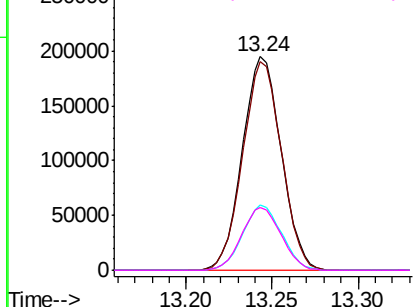
#67
 1,3,5-Trichlorobenzene
 Concen: 50.863 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	306862
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.5	114.7
184	30.4	24.2	36.4
145	29.9	24.2	36.4

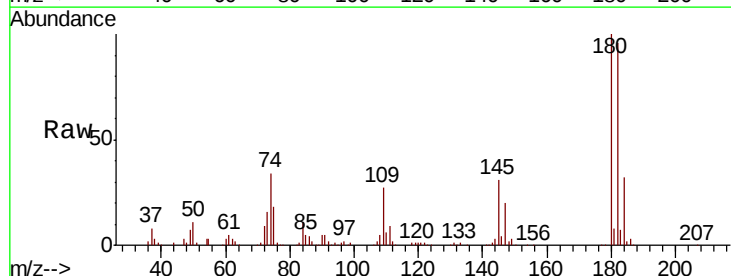


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

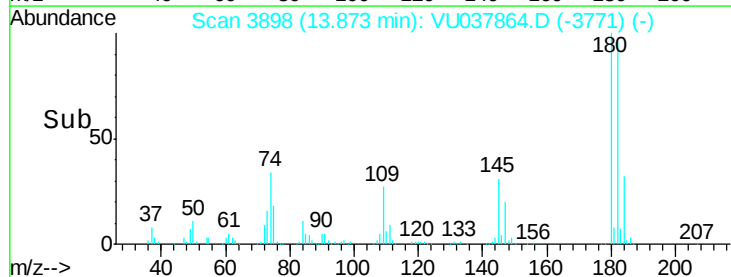
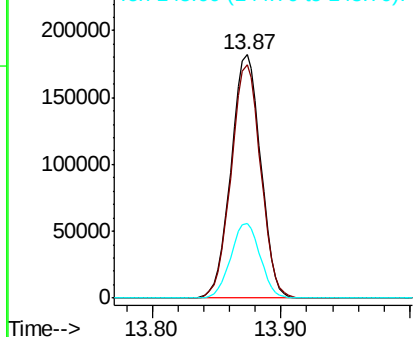


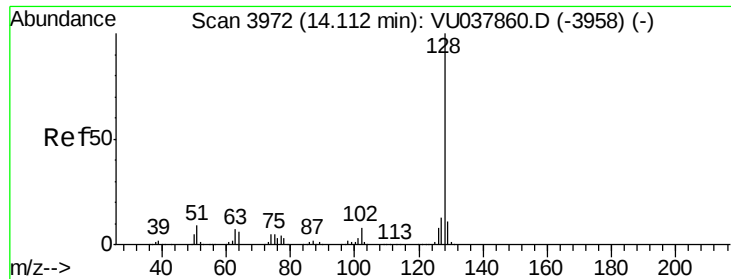
#68
 1,2,4-trichlorobenzene
 Concen: 49.443 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037864.D
 Acq: 23 Apr 2020 16:51

Tgt Ion:	180	Resp:	290113
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.9	115.3
145	30.6	23.8	35.8



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: 47.102 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

Instrument :

MSVOA_U

ClientSampled :

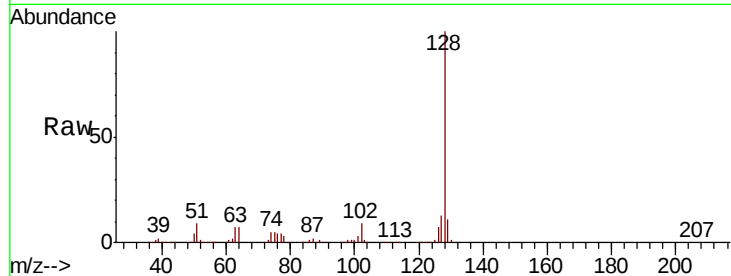
Tot Ion:128 Resp: 991062

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

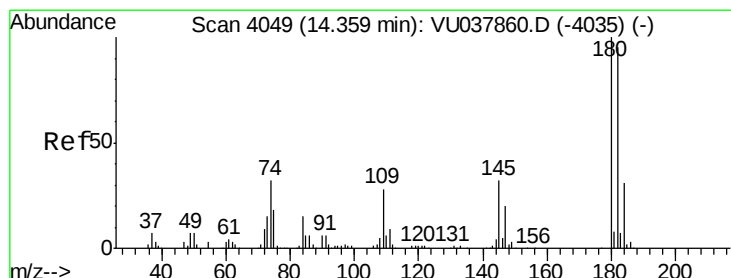
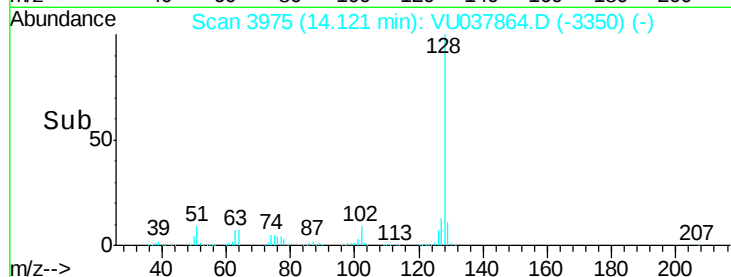
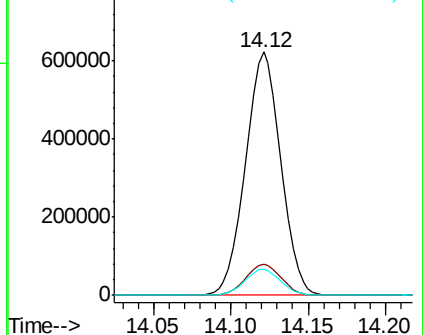
129 10.9 8.6 13.0



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: 49.694 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037864.D

Acq: 23 Apr 2020 16:51

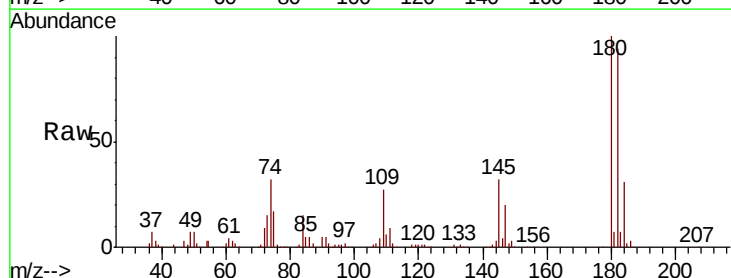
Tgt Ion:180 Resp: 287927

Ion Ratio Lower Upper

180 100

182 95.6 76.6 114.8

145 32.2 26.1 39.1



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

