

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037948.D
 Acq On : 30 Apr 2020 12:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:18:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	702614	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	693528	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	329726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	294306	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.24%
7) Chloroethane-d5	1.93	69	240098	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.52%
11) 1,1-Dichloroethene-d2	2.59	63	489278	48.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.80%
21) 2-Butanone-d5	4.66	46	455739	94.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.35%
24) Chloroform-d	5.10	84	463037	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.74	65	313368	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
32) Benzene-d6	5.76	84	978857	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
36) 1,2-Dichloropropane-d6	6.72	67	318808	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.92	98	898630	47.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.84%
43) trans-1,3-Dichloropropene-	8.20	79	155049	48.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.56%
47) 2-Hexanone-d5	8.65	63	278833	94.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	454460	46.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.06%
64) 1,2-Dichlorobenzene-d4	12.20	152	318694	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	266866	48.818	ug/L	99
3) Chloromethane	1.53	50	341107	49.237	ug/L	100
5) Vinyl chloride	1.62	62	348523	49.510	ug/L	100
6) Bromomethane	1.86	94	175706	52.404	ug/L	99
8) Chloroethane	1.94	64	210570	49.738	ug/L	99
9) Trichlorofluoromethane	2.15	101	359455	49.129	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	219358	48.783	ug/L	99
12) 1,1-Dichloroethene	2.60	96	226530	49.227	ug/L	98
13) Acetone	2.65	43	301018	96.754	ug/L	99
14) Carbon disulfide	2.82	76	770775	50.565	ug/L	99
15) Methyl Acetate	2.98	43	335483	49.526	ug/L	100
16) Methylene chloride	3.07	84	267945	49.398	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	245817	49.477	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	831450	50.297	ug/L	99
19) 1,1-Dichloroethane	3.91	63	490747	49.585	ug/L	99
20) cis-1,2-Dichloroethene	4.70	96	272083	49.528	ug/L	96
22) 2-Butanone	4.74	43	496321	98.565	ug/L	99

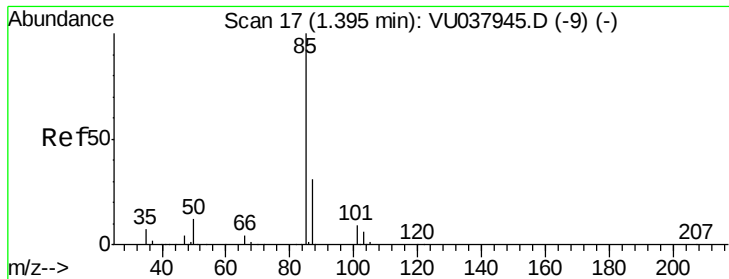
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
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 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	128371	49.678	ug/L	98
25) Chloroform	5.12	83	468516	49.315	ug/L	100
27) 1,2-Dichloroethane	5.83	62	390192	49.669	ug/L	99
29) Cyclohexane	5.42	56	455050	50.215	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	387549	50.272	ug/L	99
31) Carbon tetrachloride	5.56	117	302665	49.735	ug/L	100
33) Benzene	5.81	78	1073873	49.532	ug/L	100
34) Trichloroethene	6.57	95	260365	49.525	ug/L	99
35) Methylcyclohexane	6.79	83	429740	48.662	ug/L	99
37) 1,2-Dichloropropane	6.82	63	290607	50.135	ug/L	100
38) Bromodichloromethane	7.13	83	346624	49.251	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	455081	51.217	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	932165	99.253	ug/L	99
42) Toluene	7.99	91	1139721	50.036	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	426757	51.444	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	257745	49.096	ug/L	99
46) Tetrachloroethene	8.57	164	180362	46.989	ug/L	98
48) 2-Hexanone	8.71	43	772420	99.799	ug/L	98
49) Dibromochloromethane	8.83	129	258180	50.994	ug/L	98
50) 1,2-Dibromoethane	8.94	107	273153	48.436	ug/L	98
51) Chlorobenzene	9.47	112	700654	49.402	ug/L	99
52) Ethylbenzene	9.59	91	1277422	50.591	ug/L	99
53) m,p-Xylene	9.71	106	486431	50.738	ug/L	99
54) o-xylene	10.12	106	475420	50.367	ug/L	99
55) Styrene	10.13	104	816761	50.942	ug/L	99
56) Isopropylbenzene	10.50	105	1223823	50.354	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	457808	48.847	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	389034	48.405	ug/L	100
61) Bromoform	10.31	173	173262	49.144	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	527521	49.970	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	533403	50.005	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	523884	49.193	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	108408	48.769	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	364274	50.616	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	352031	51.031	ug/L	100
69) Naphthalene	14.11	128	1383370	52.270	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	355159	52.312	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.818 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

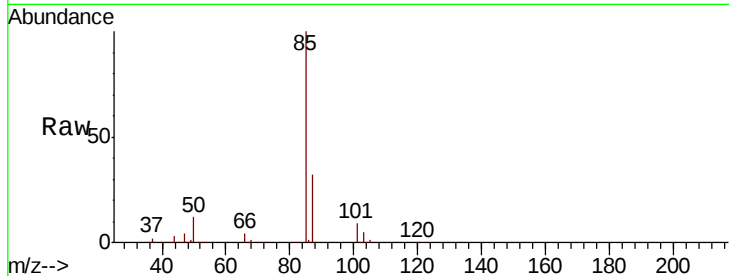
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 266866

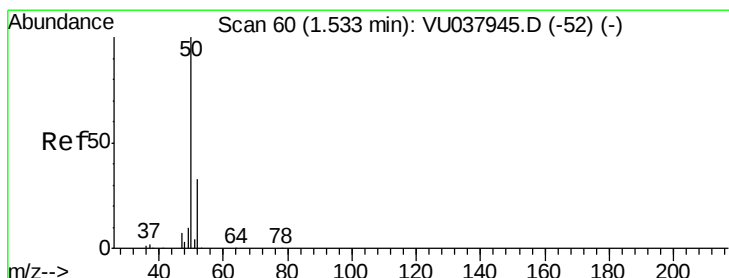
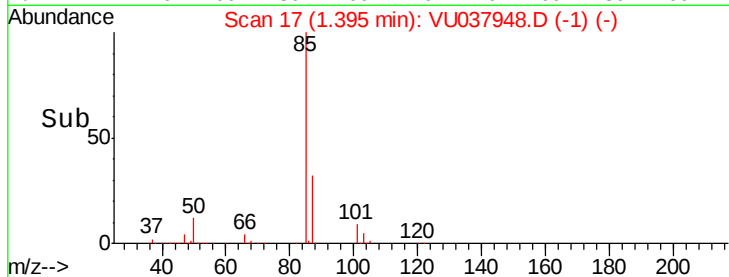
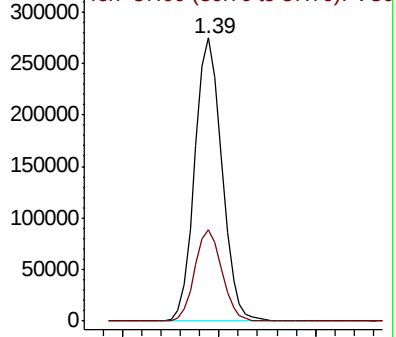
Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037948.D (-9) (-)



#3

Chloromethane

Concen: 49.237 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037948.D

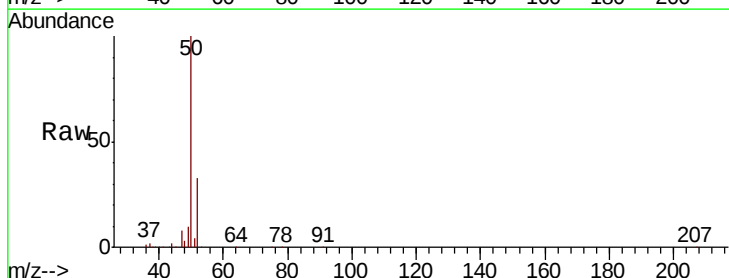
Acq: 30 Apr 2020 12:11

Tgt Ion: 50 Resp: 341107

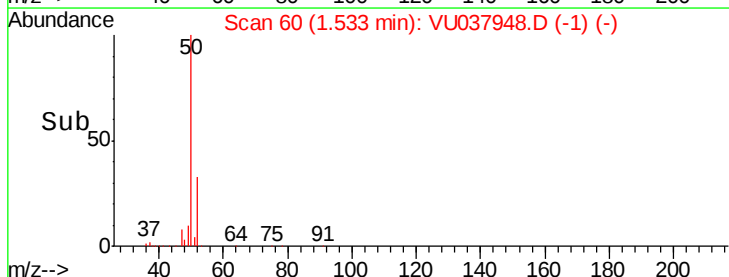
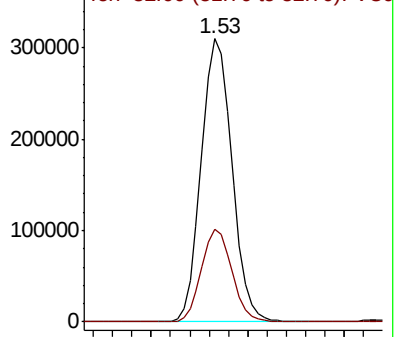
Ion Ratio Lower Upper

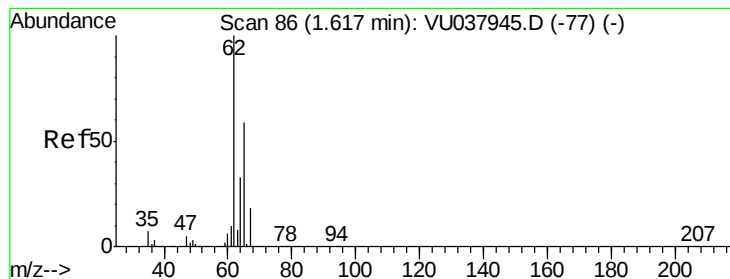
50 100

52 32.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU037948.D (-52) (-)





#5

Vinyl chloride

Concen: 49.510 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

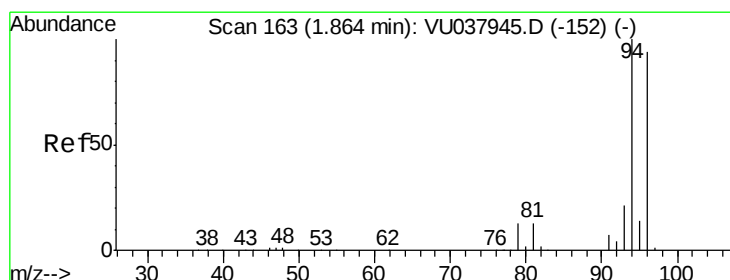
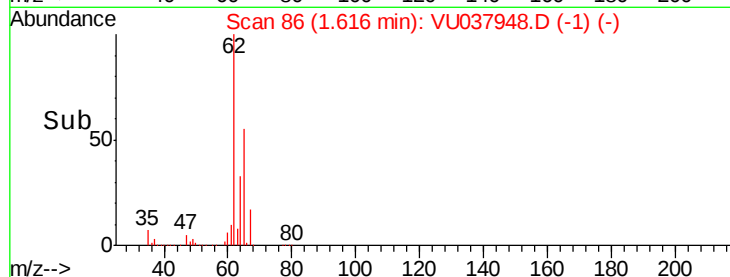
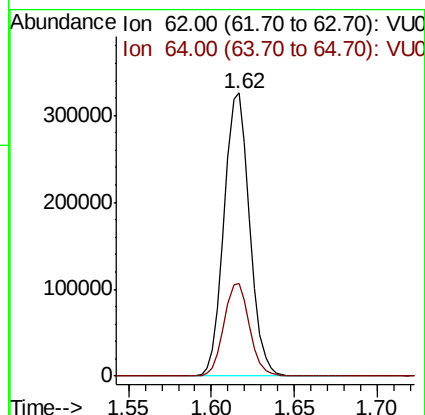
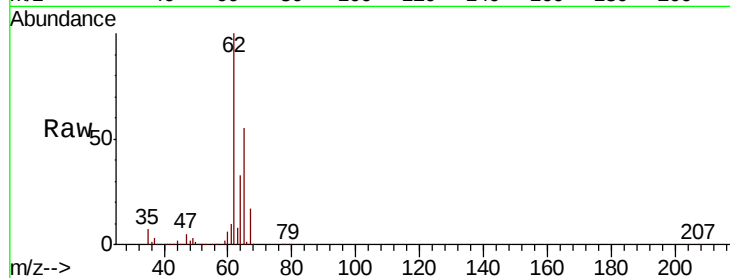
ClientSampleId :

Tot Ion: 62 Resp: 348523

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



#6

Bromomethane

Concen: 52.404 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU037948.D

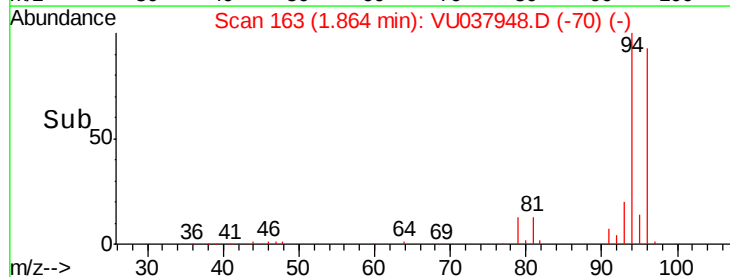
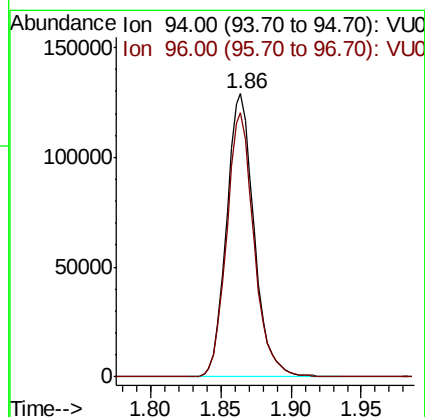
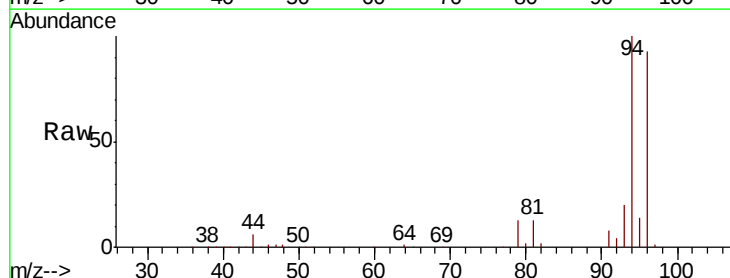
Acq: 30 Apr 2020 12:11

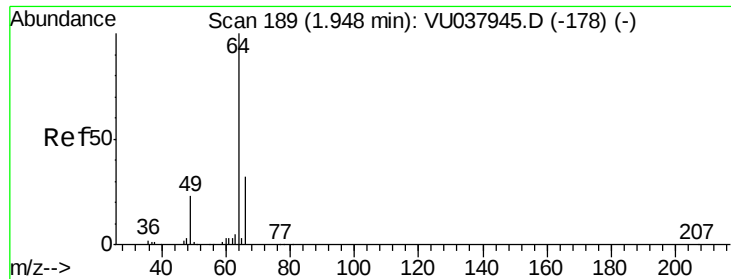
Tgt Ion: 94 Resp: 175706

Ion Ratio Lower Upper

94 100

96 93.4 65.9 122.5

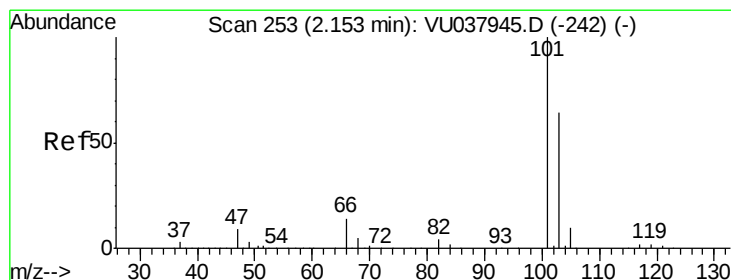
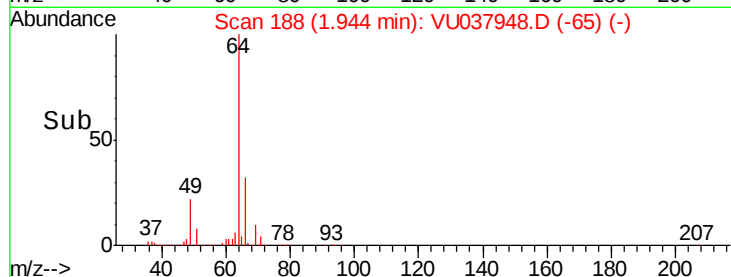
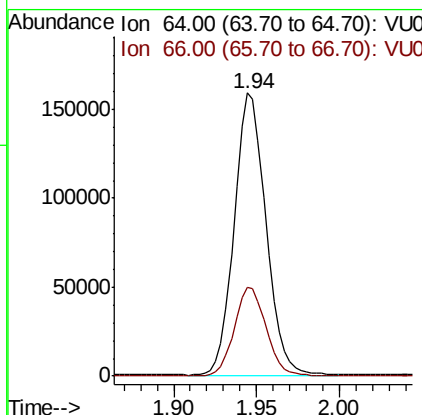
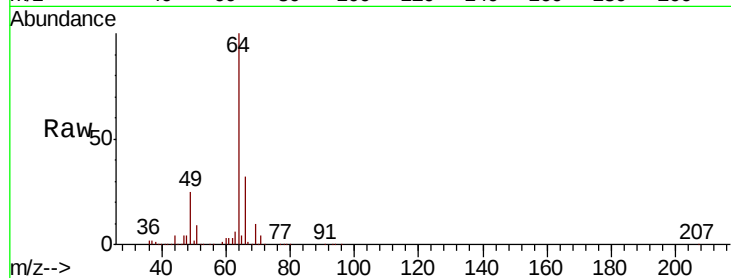




#8
Chloroethane
Concen: 49.738 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

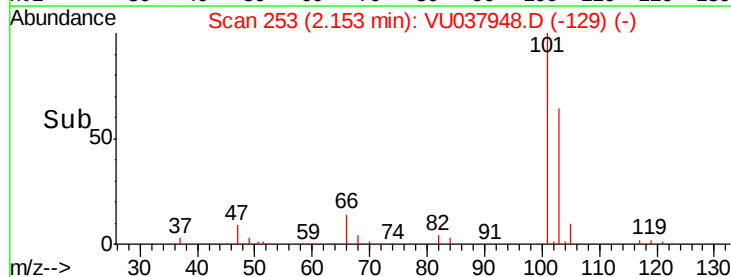
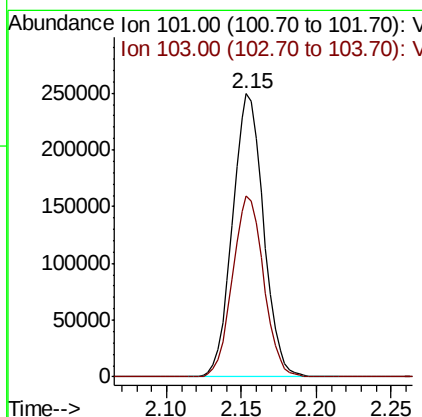
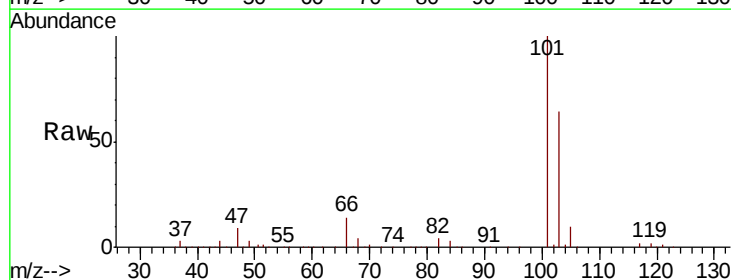
Instrument :
MSVOA_U
ClientSampleId :

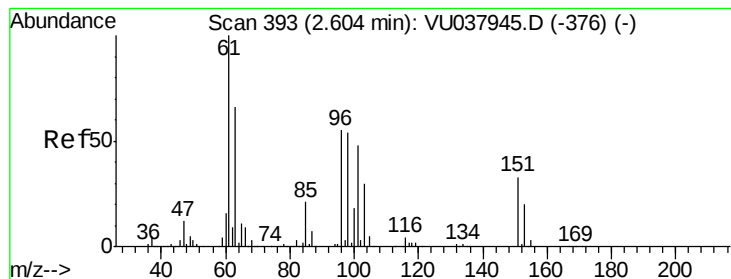
Tot Ion: 64 Resp: 210570
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 49.129 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion:101 Resp: 359455
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 48.783 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

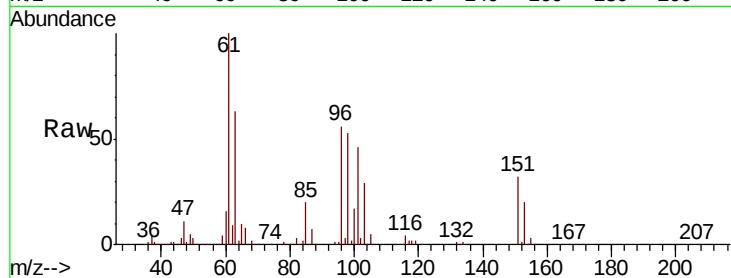
Tot Ion:101 Resp: 219358

Ion Ratio Lower Upper

101 100

85 44.2 34.7 52.1

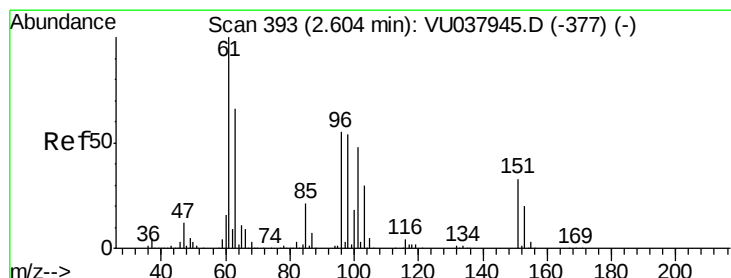
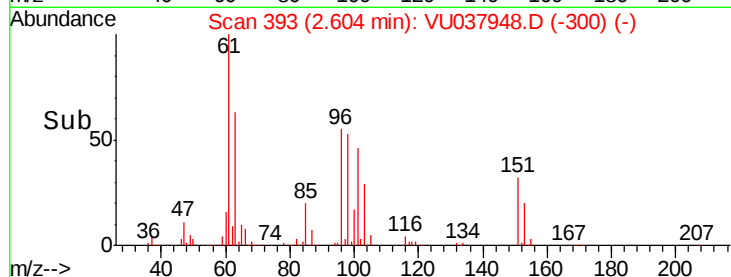
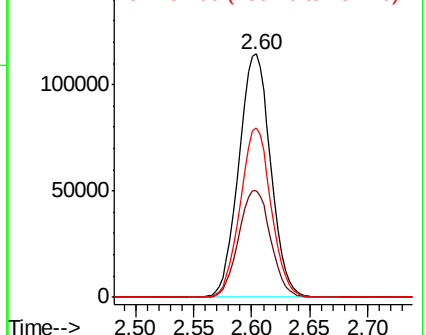
151 67.7 53.4 80.2



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: 49.227 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

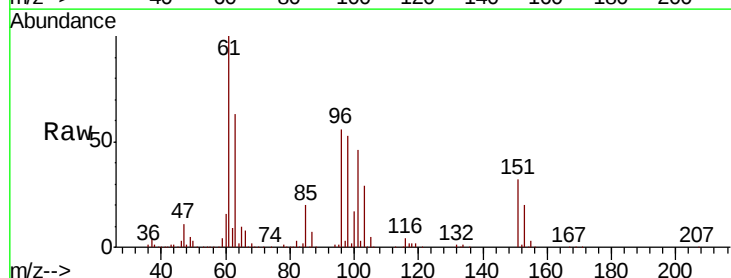
Tgt Ion: 96 Resp: 226530

Ion Ratio Lower Upper

96 100

61 180.1 126.1 234.3

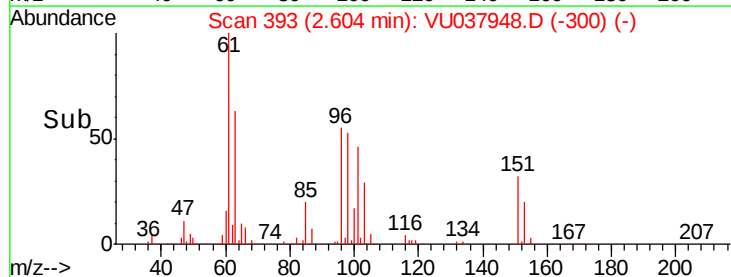
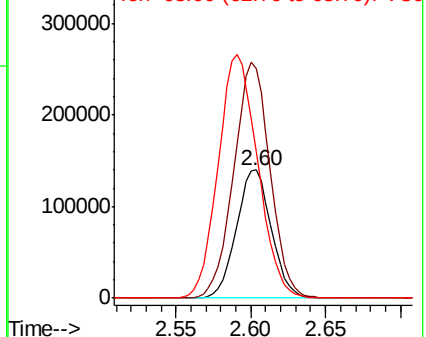
63 114.1 83.4 154.8

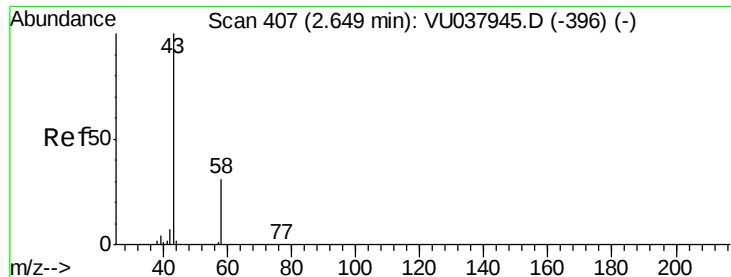


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.754 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

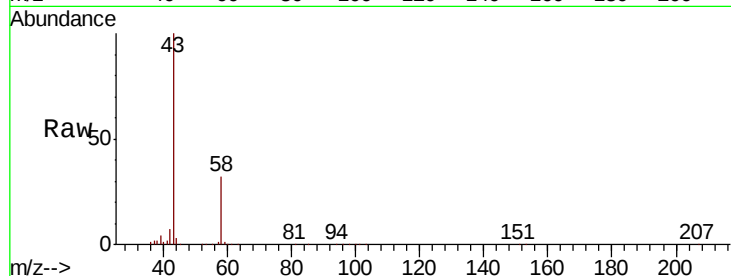
ClientSampleId :

Tot Ion: 43 Resp: 301018

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037945.D (-396) (-)

2.65

200000

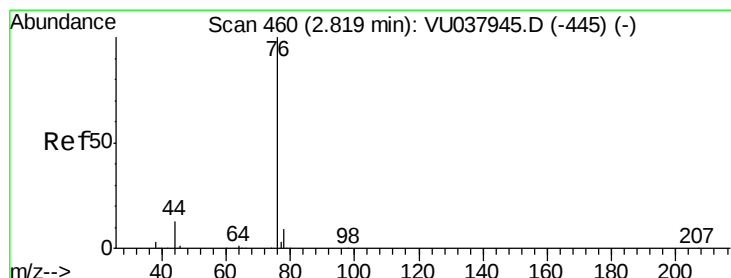
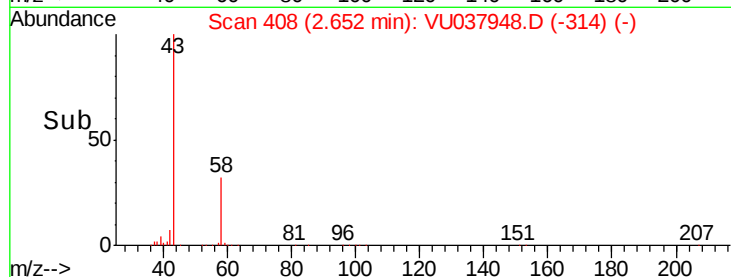
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 50.565 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037948.D

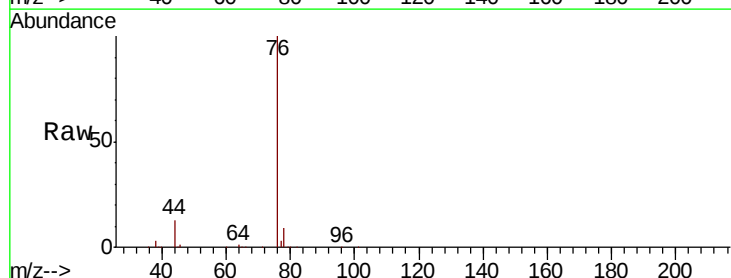
Acq: 30 Apr 2020 12:11

Tgt Ion: 76 Resp: 770775

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU037945.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037945.D (-445) (-)

2.82

500000

400000

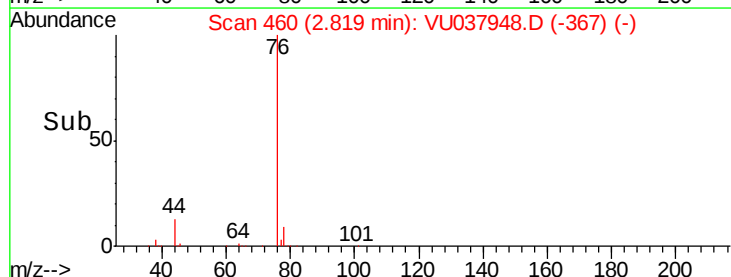
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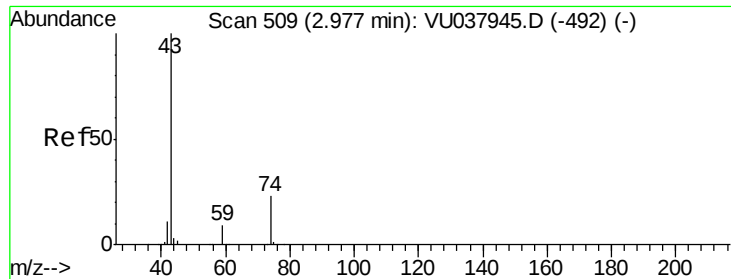
200000

100000

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Time-->

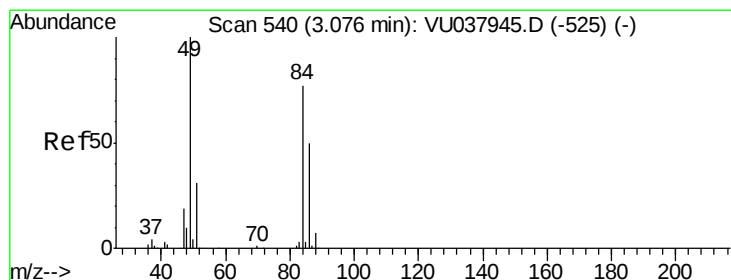
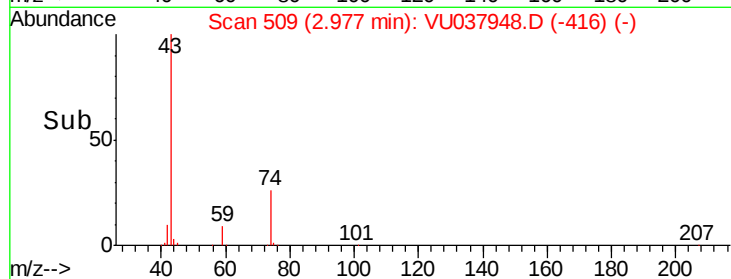
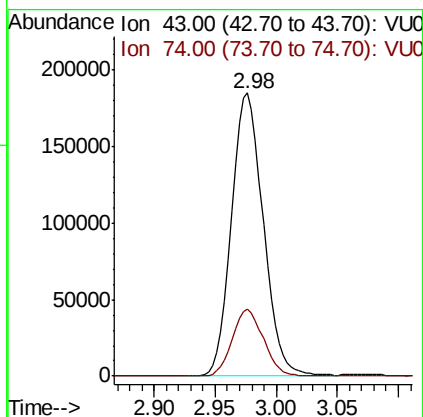
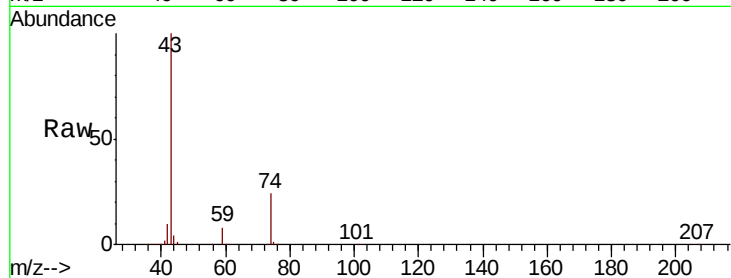




#15
Methvl Acetate
Concen: 49.526 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

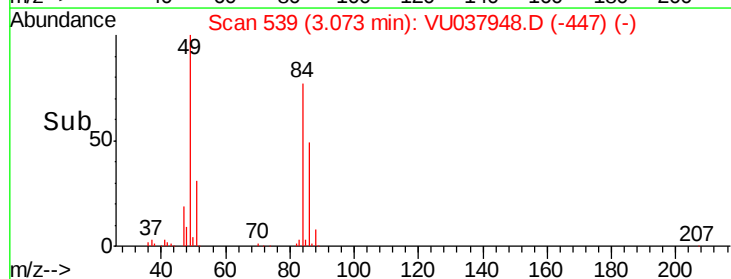
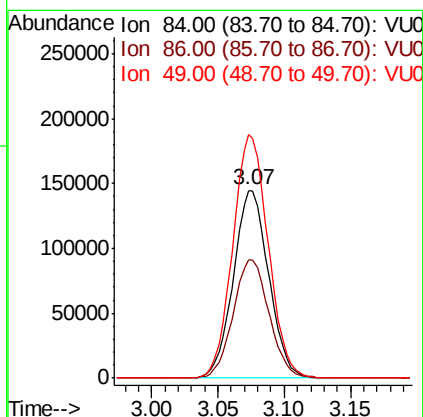
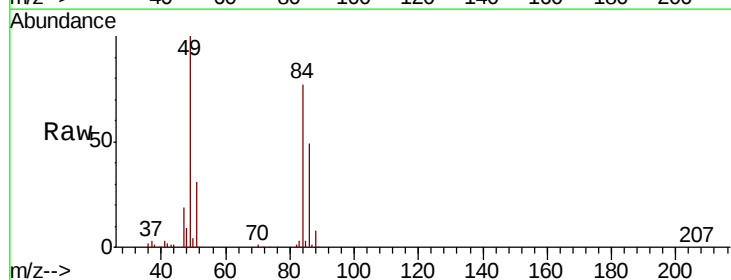
Instrument :
MSVOA_U
ClientSampleId :

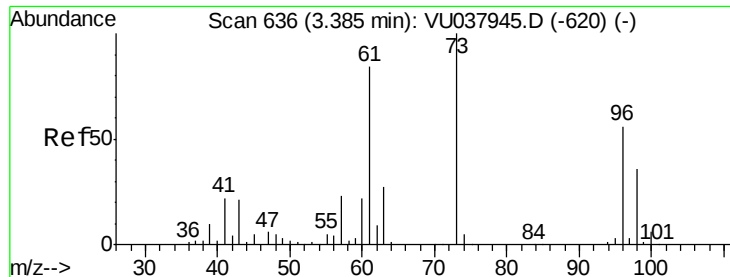
Tot Ion: 43 Resp: 335483
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8



#16
Methylene chloride
Concen: 49.398 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion: 84 Resp: 267945
Ion Ratio Lower Upper
84 100
86 63.1 45.1 83.9
49 129.5 91.2 169.4

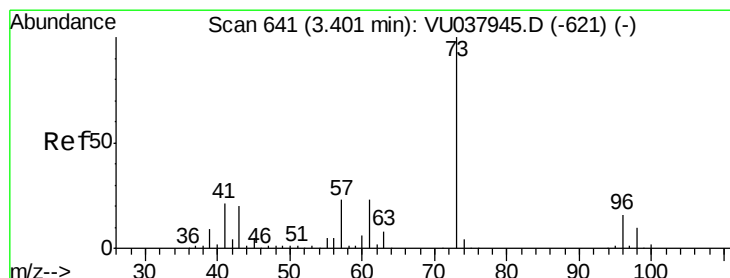
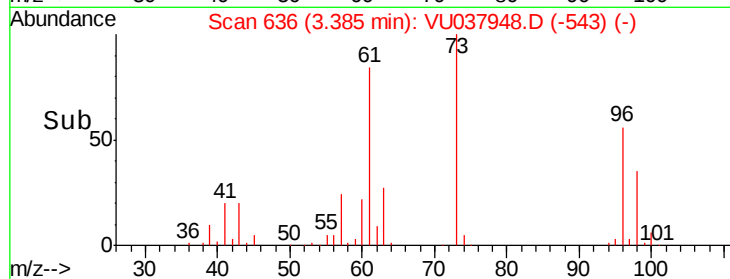
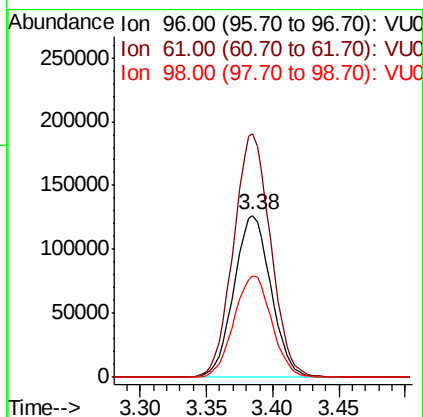
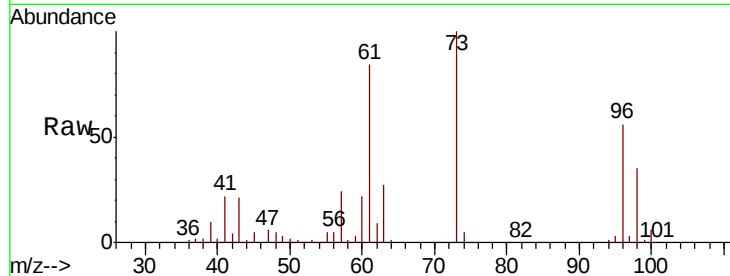




#17
trans-1,2-Dichloroethene
Concen: 49.477 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

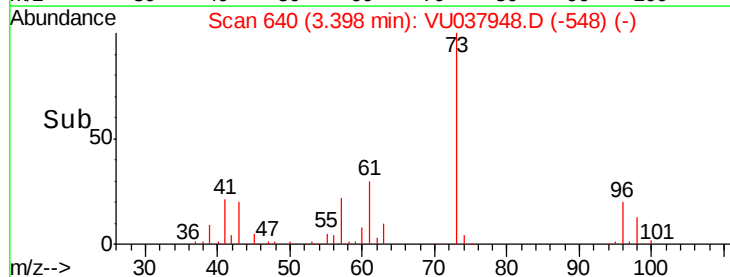
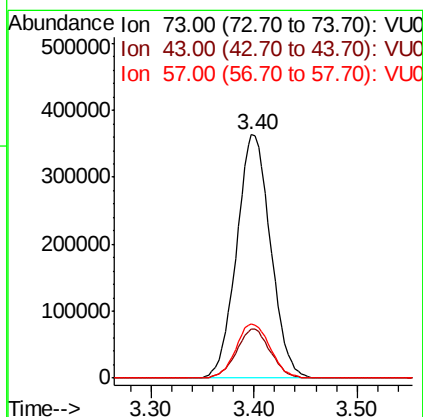
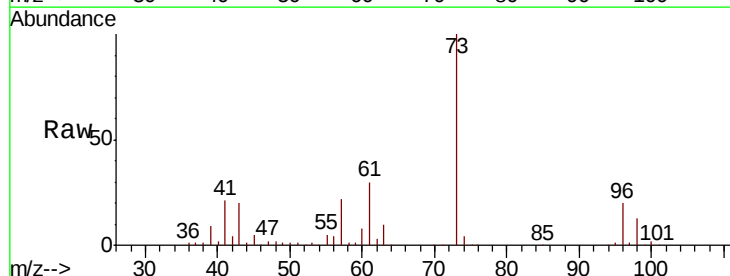
Instrument :
MSVOA_U
ClientSampled :

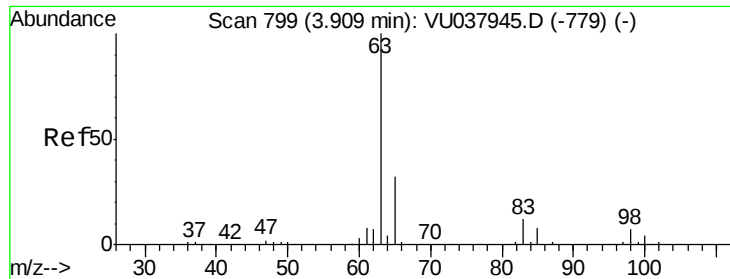
Tot Ion: 96 Resp: 245817
Ion Ratio Lower Upper
96 100
61 150.3 104.9 194.9
98 62.6 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 50.297 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion: 73 Resp: 831450
Ion Ratio Lower Upper
73 100
43 20.1 16.3 24.5
57 22.6 18.4 27.6





#19

1,1-Dichloroethane

Concen: 49.585 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

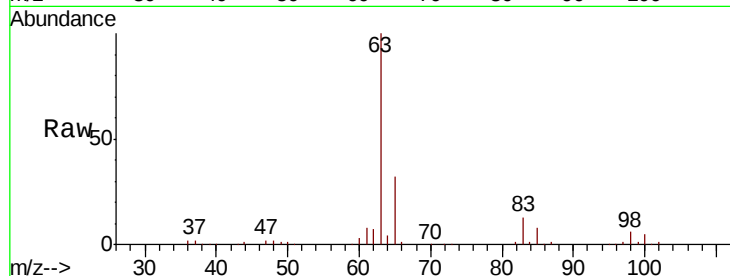
Tot Ion: 63 Resp: 490747

Ion Ratio Lower Upper

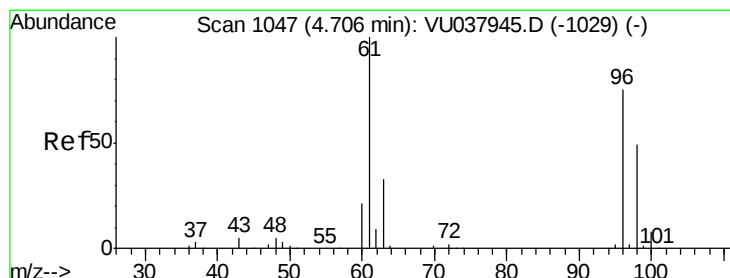
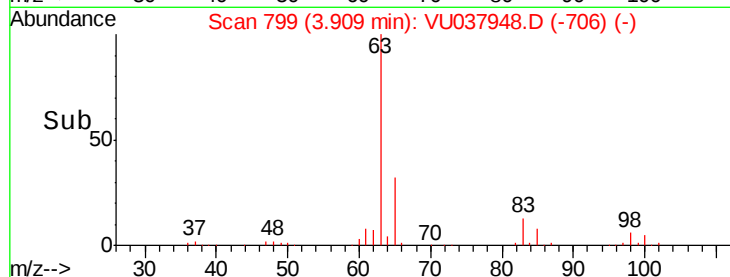
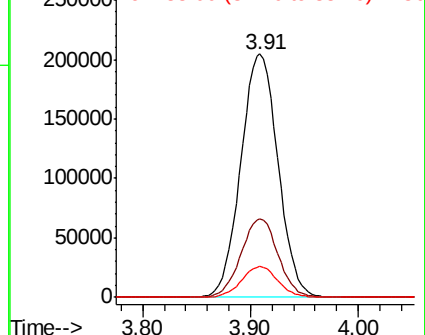
63 100

65 32.3 22.5 41.7

83 12.6 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 49.528 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

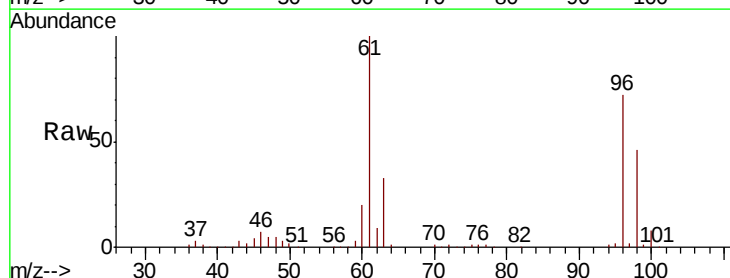
Tgt Ion: 96 Resp: 272083

Ion Ratio Lower Upper

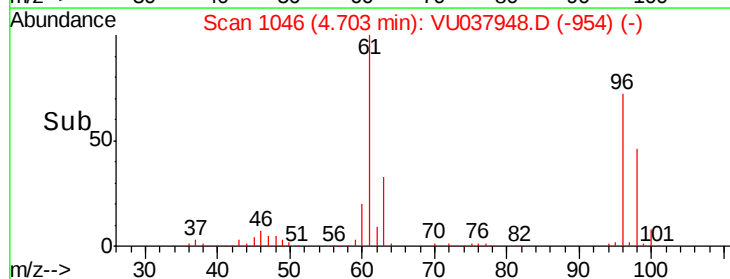
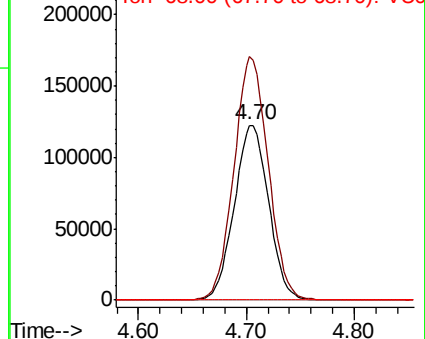
96 100

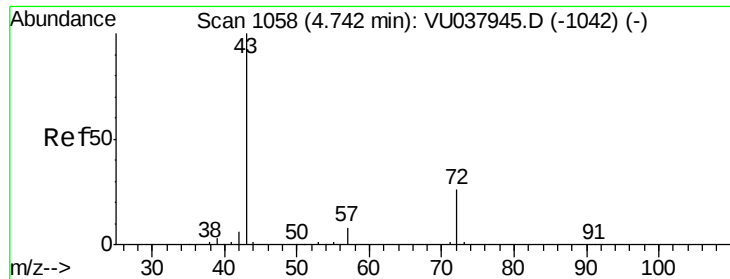
61 139.3 93.9 174.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 98.565 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

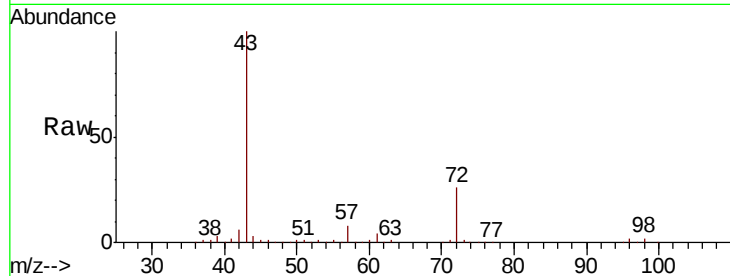
ClientSampled :

Tot Ion: 43 Resp: 496321

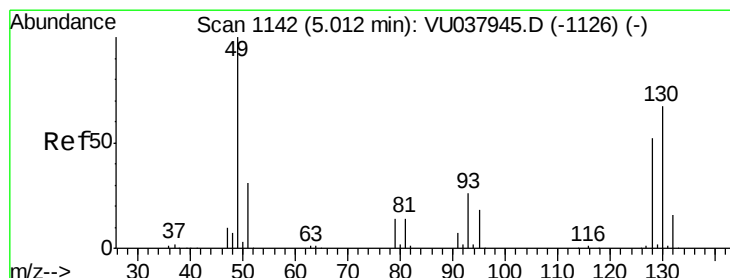
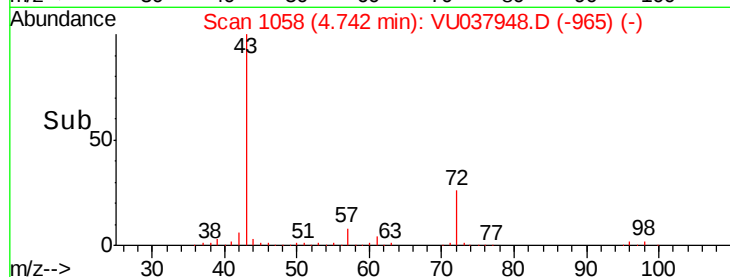
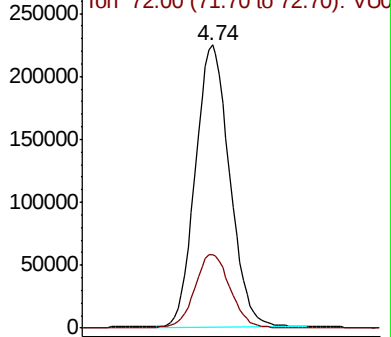
Ion Ratio Lower Upper

43 100

72 27.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU037948.D (-965) (-)



#23

Bromochloromethane

Concen: 49.678 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Tgt Ion: 128 Resp: 128371

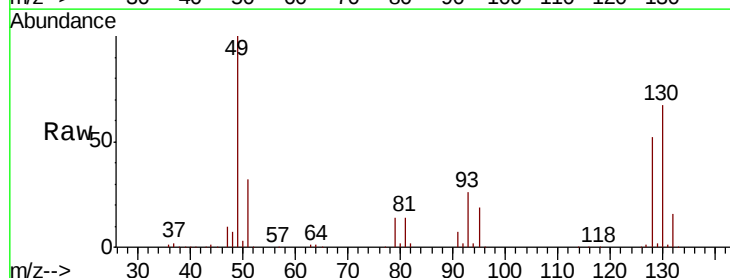
Ion Ratio Lower Upper

128 100

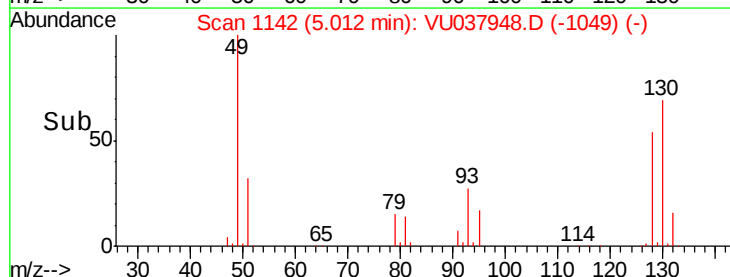
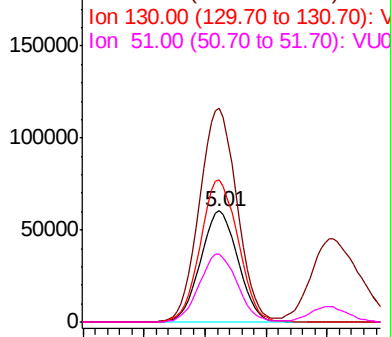
49 191.8 136.2 252.9

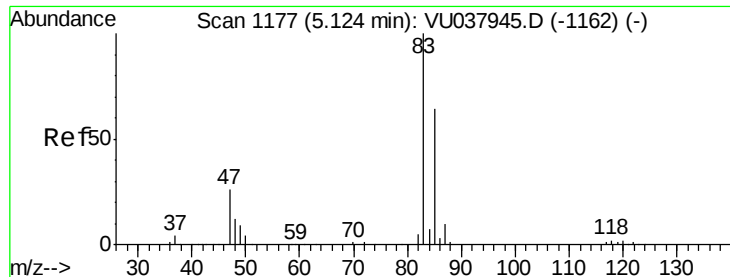
130 127.7 91.3 169.5

51 60.5 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU037948.D (-1049) (-)

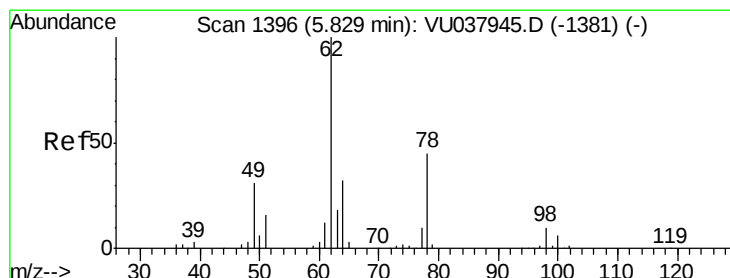
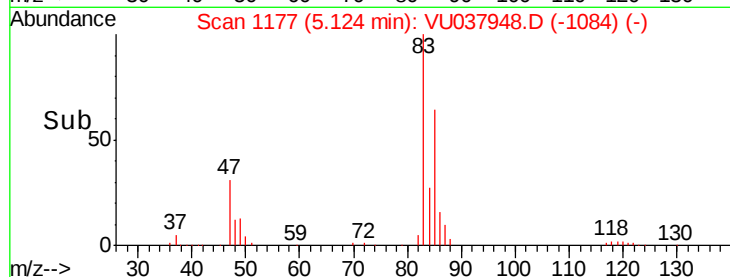
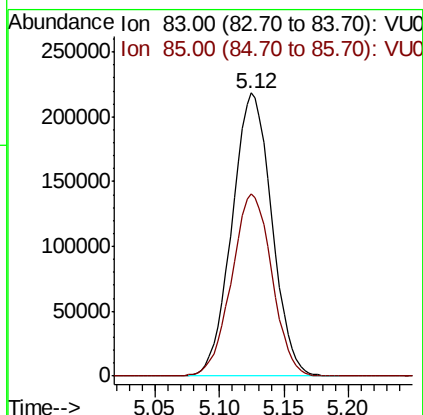
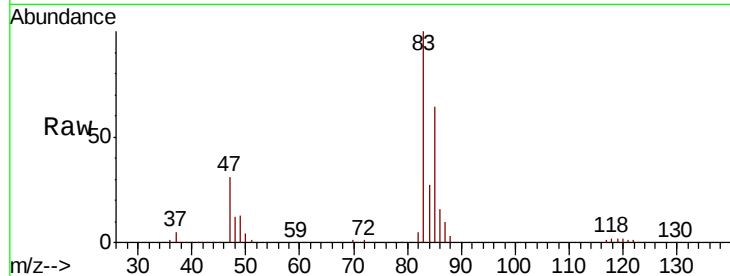




#25
Chloroform
Concen: 49.315 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

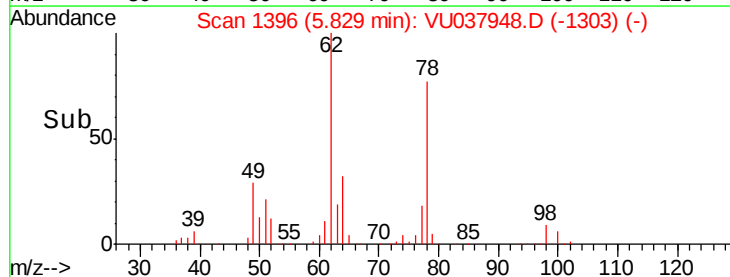
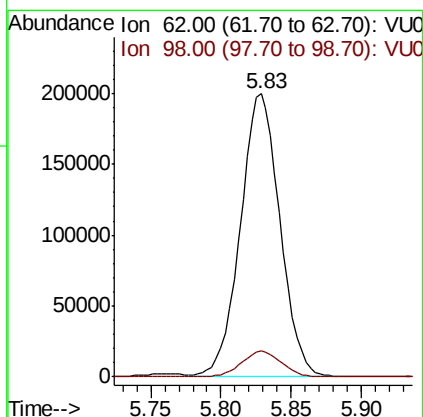
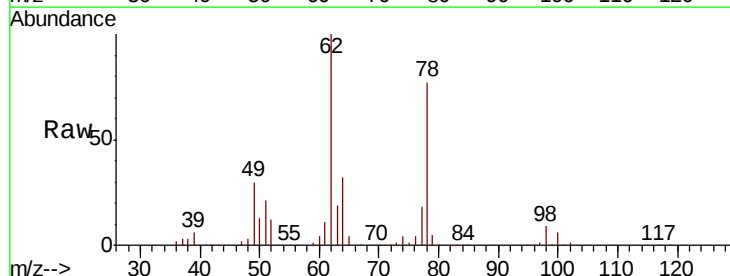
Instrument :
MSVOA_U
ClientSampleId :

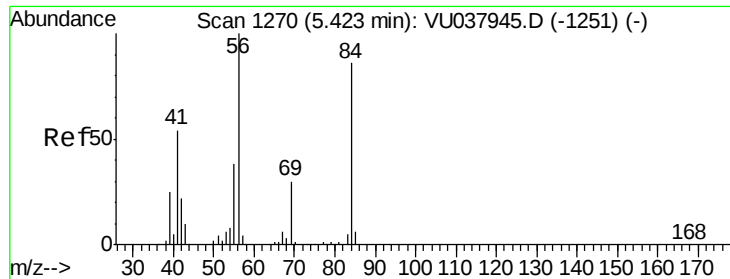
Tot Ion: 83 Resp: 468516
Ion Ratio Lower Upper
83 100
85 64.4 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.669 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion: 62 Resp: 390192
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

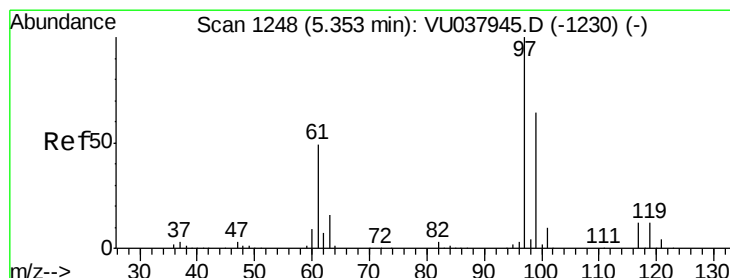
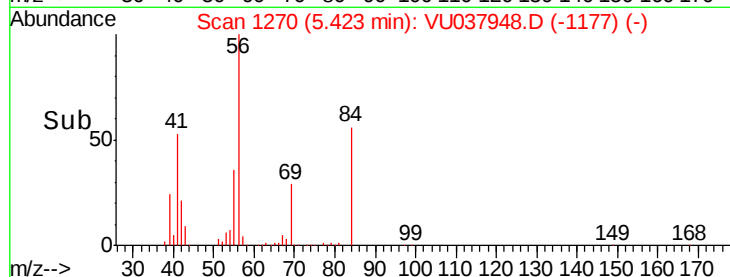
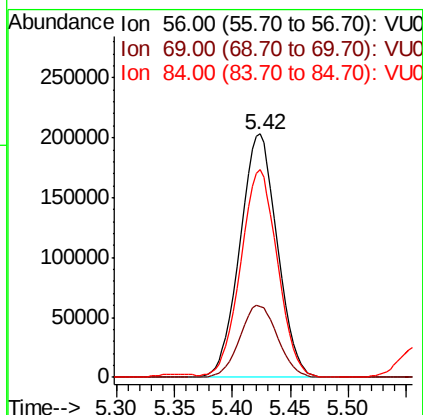
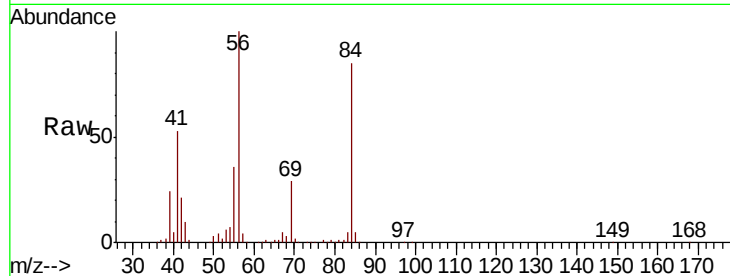




#29
Cyclohexane
Concen: 50.215 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

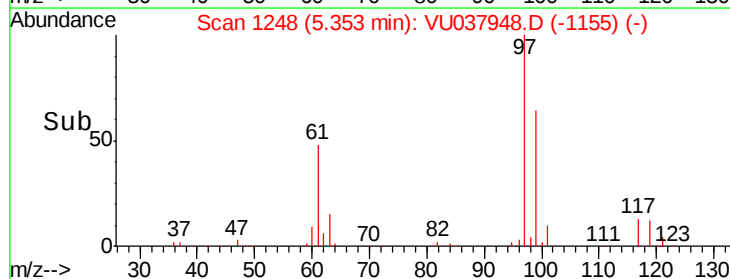
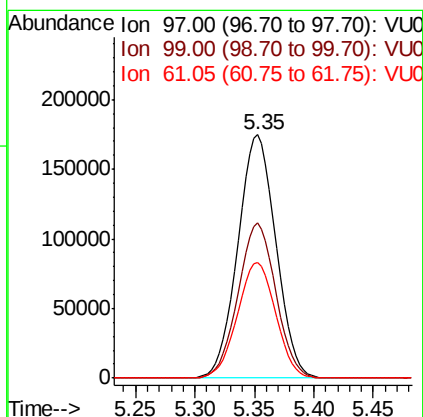
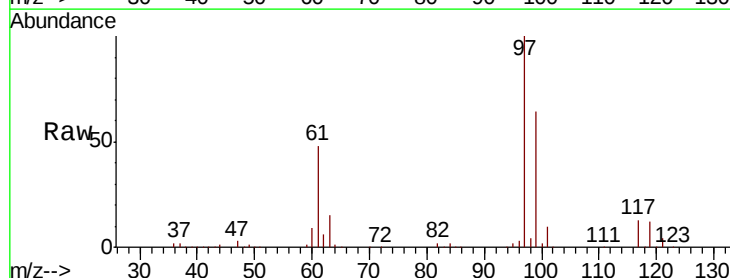
Instrument :
MSVOA_U
ClientSampled :

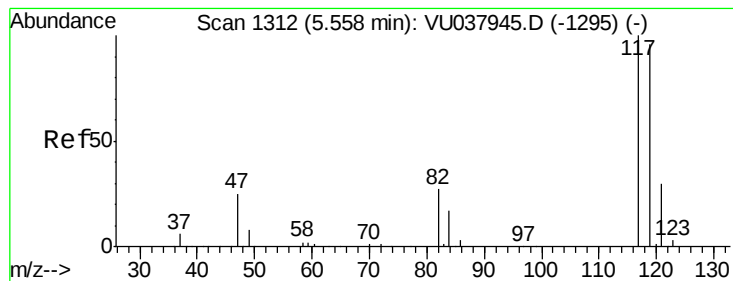
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	84.3	68.2	102.4



#30
1,1,1-Trichloroethane
Concen: 50.272 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.5	75.7
61	47.8	38.8	58.2





#31

Carbon tetrachloride

Concen: 49.735 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

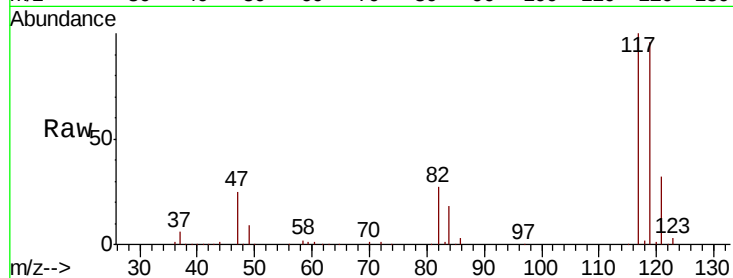
ClientSampleId :

Tot Ion:117 Resp: 302665

Ion Ratio Lower Upper

117 100

119 96.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

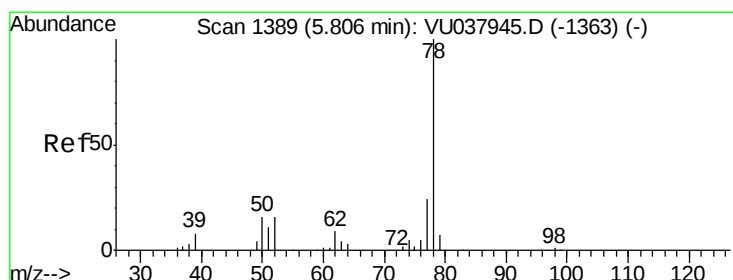
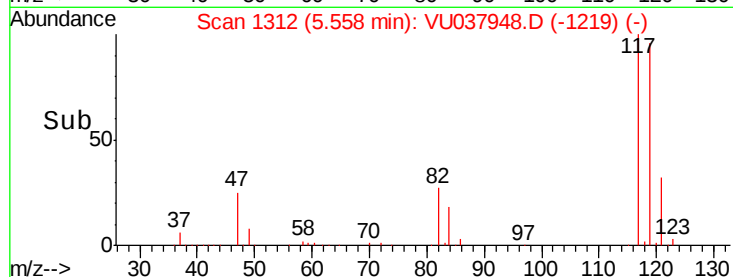
150000

100000

50000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 49.532 ug/L

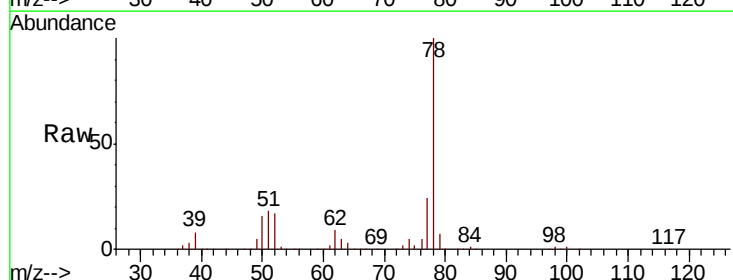
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Tgt Ion: 78 Resp: 1073873



Abundance Ion 78.00 (77.70 to 78.70): VU0

600000

500000

400000

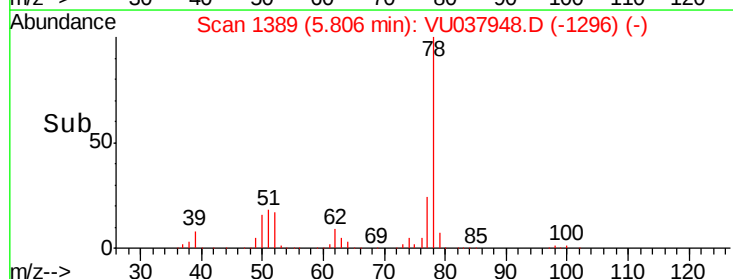
300000

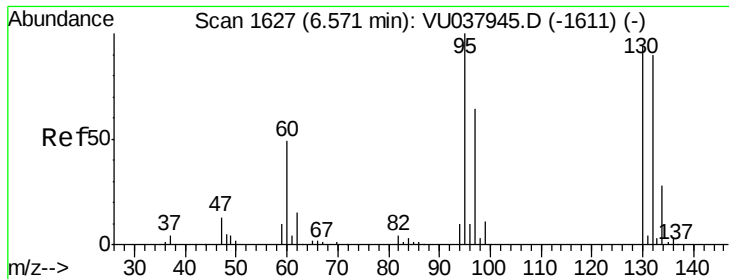
200000

100000

0

Time--> 5.70 5.80 5.90

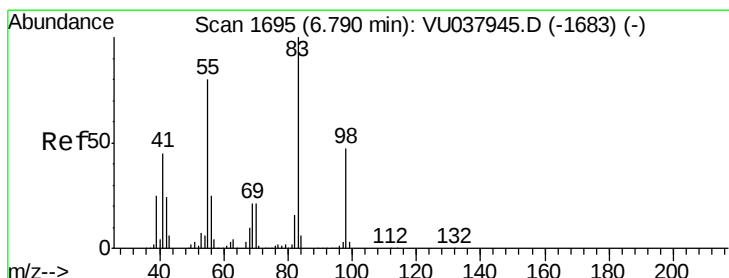
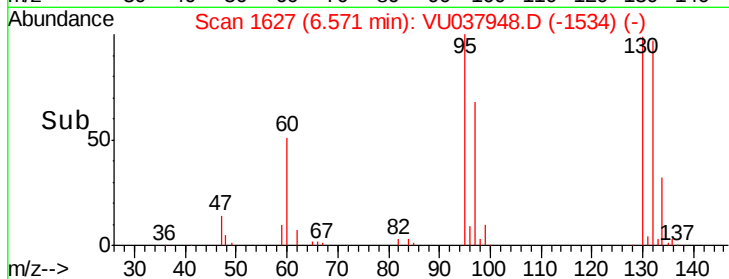
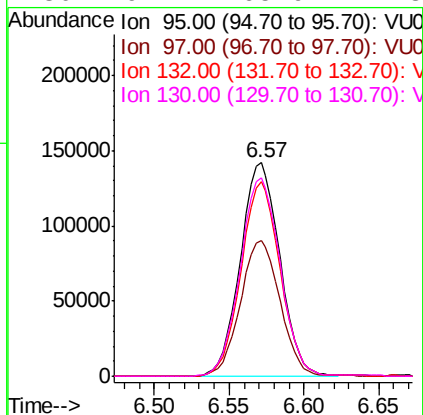
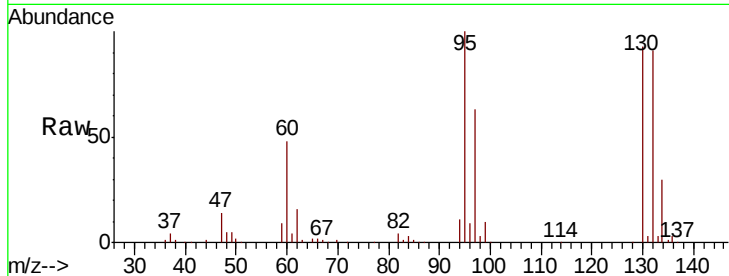




#34
 Trichloroethene
 Concen: 49.525 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

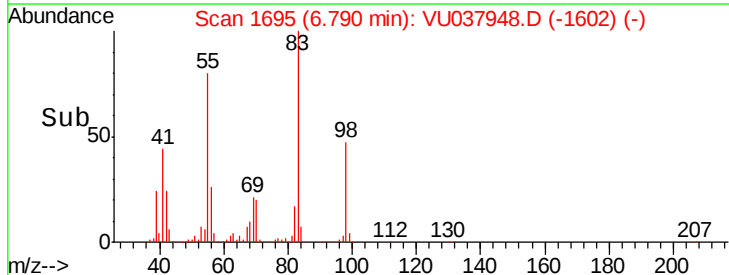
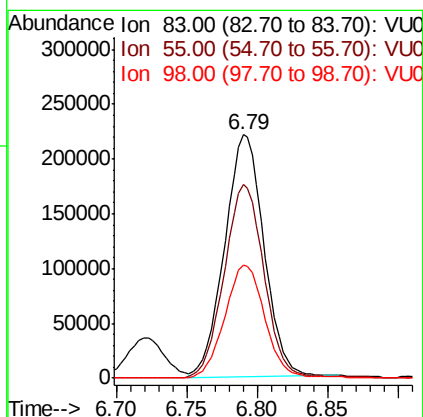
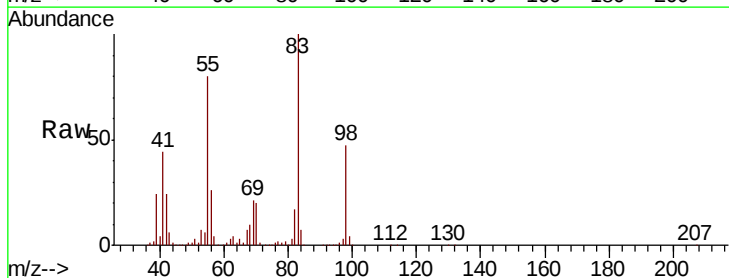
Instrument :
 MSVOA_U
 ClientSampleId :

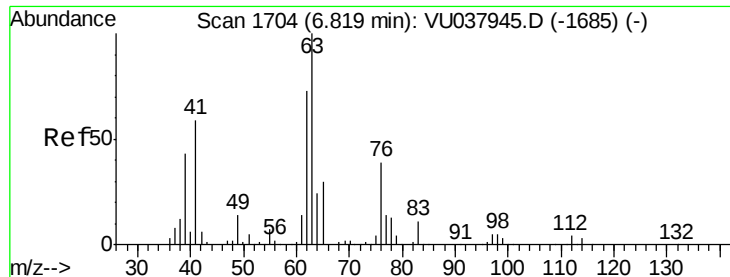
Tot Ion:	95	Resp:	260365
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.9	83.5
132	91.2	63.2	117.4
130	92.7	65.9	122.3



#35
 Methylcyclohexane
 Concen: 48.662 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion:	83	Resp:	429740
Ion	Ratio	Lower	Upper
83	100		
55	81.2	64.2	96.4
98	47.2	38.1	57.1

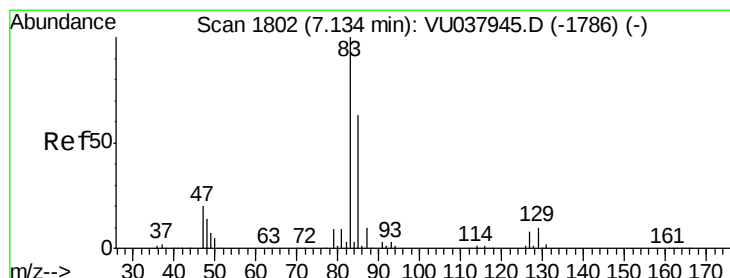
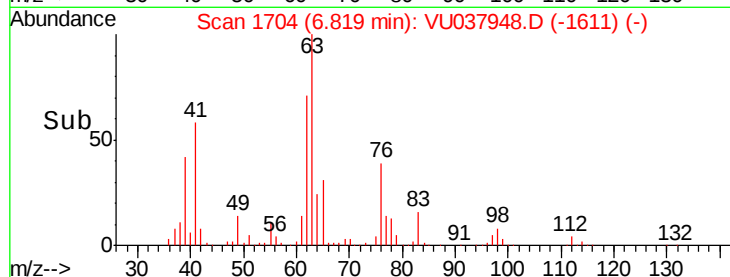
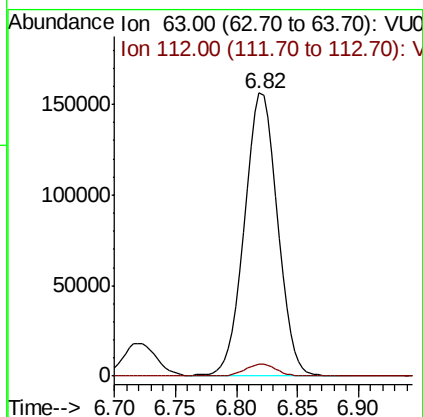
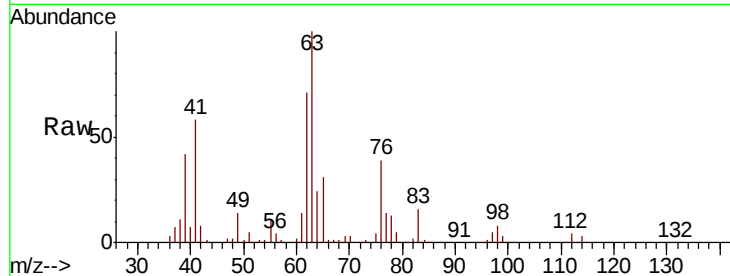




#37
 1,2-Dichloropropane
 Concen: 50.135 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

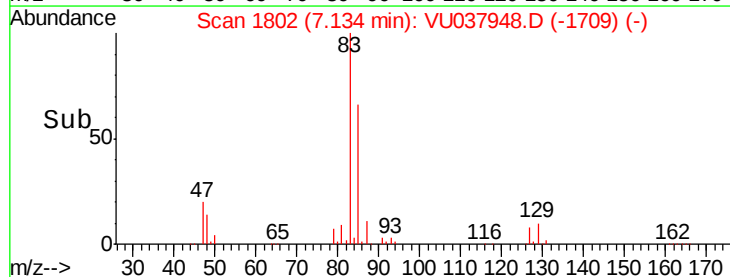
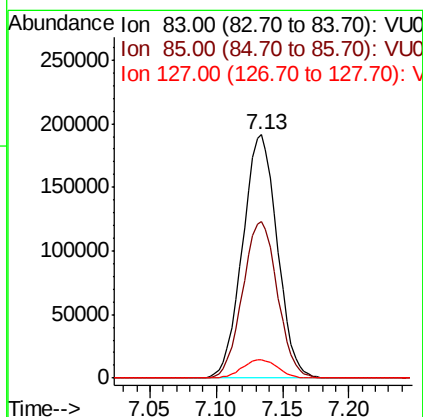
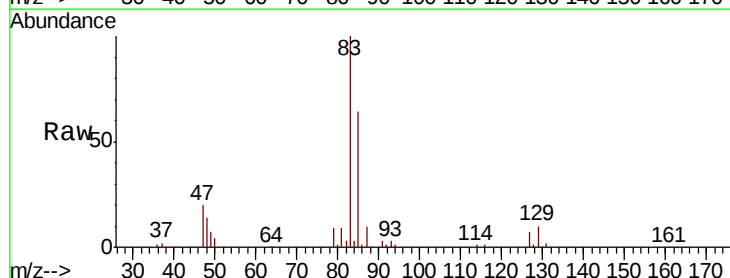
Instrument :
 MSVOA_U
 ClientSampleId :

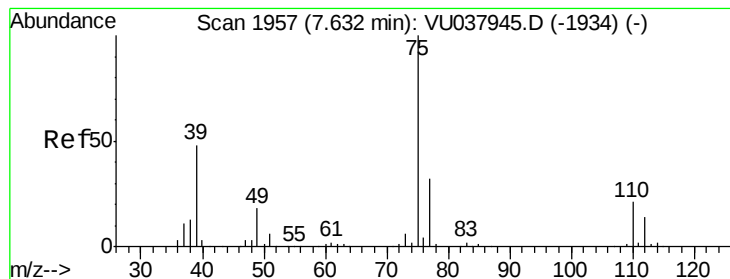
Tot Ion: 63 Resp: 290607
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.251 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion: 83 Resp: 346624
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.8 81.3
 127 7.4 6.1 9.1



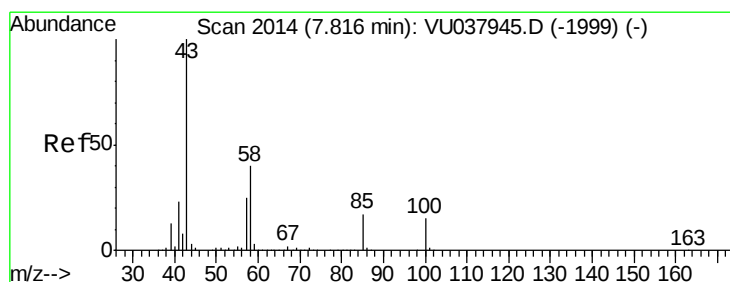
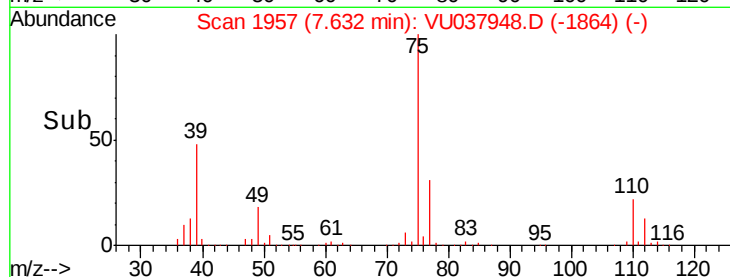
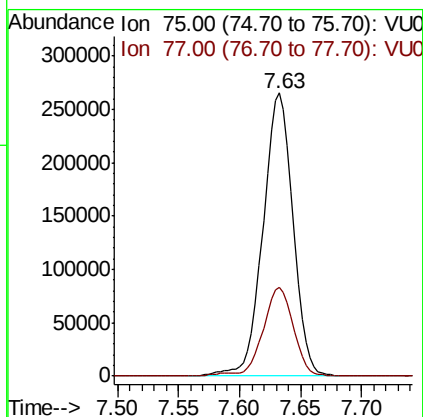
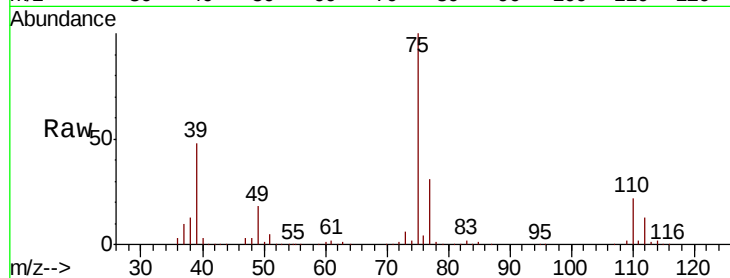


#39

cis-1,3-Dichloropropene
 Concen: 51.217 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Instrument :
 MSVOA_U
 ClientSampled :

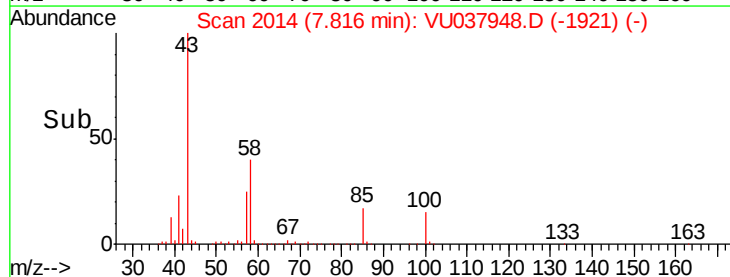
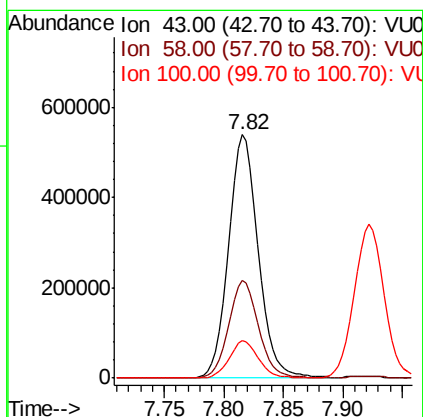
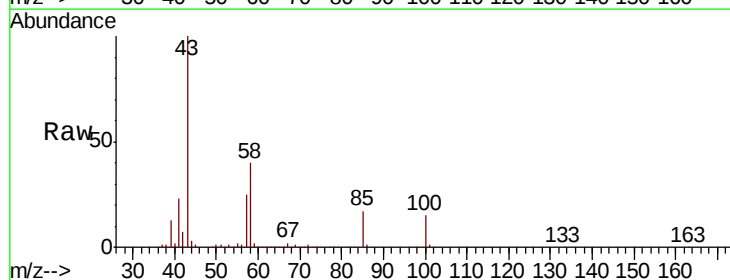
Tot Ion: 75 Resp: 455081
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.6 42.0

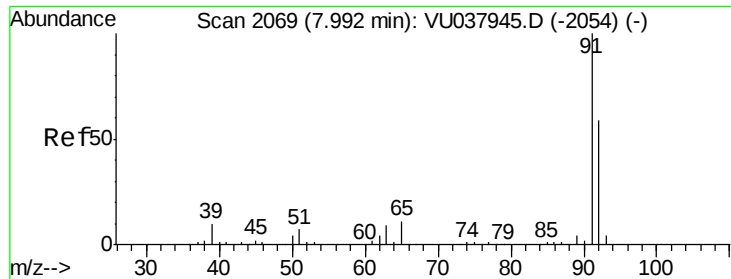


#40

4-Methyl-2-pentanone
 Concen: 99.253 ug/L
 RT: 7.82 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion: 43 Resp: 932165
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.8 47.8
 100 15.3 12.2 18.2





#42

Toluene

Concen: 50.036 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

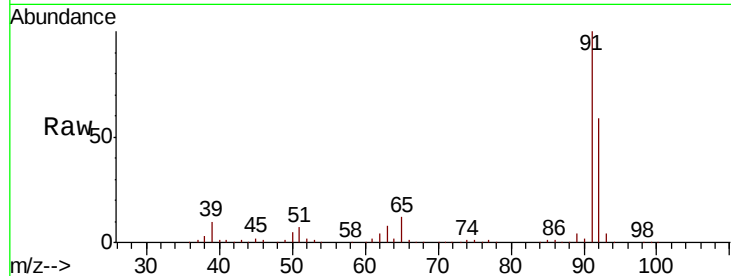
ClientSampleId :

Tot Ion: 91 Resp: 1139721

Ion Ratio Lower Upper

91 100

92 59.2 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037945.D (-2054) (-)

7.99

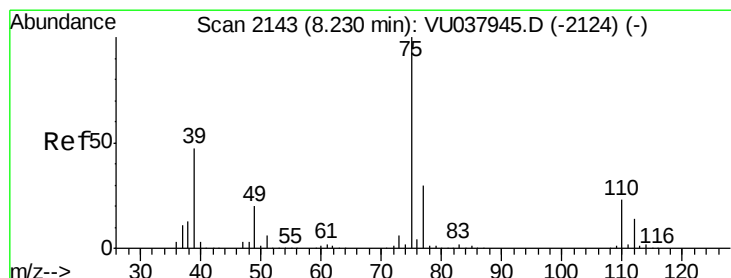
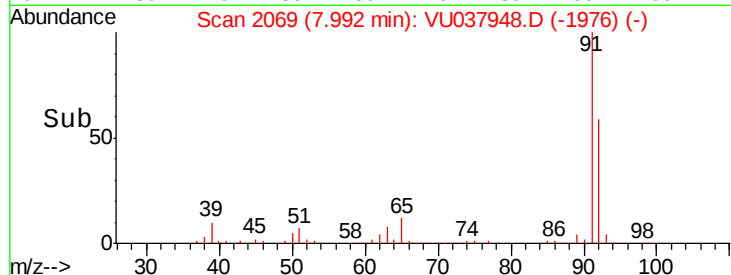
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.444 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU037948.D

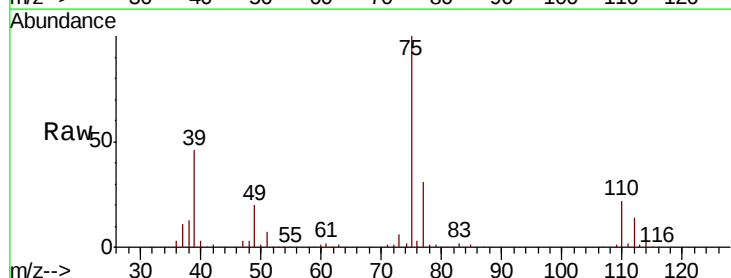
Acq: 30 Apr 2020 12:11

Tgt Ion: 75 Resp: 426757

Ion Ratio Lower Upper

75 100

77 31.2 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU037945.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037945.D (-2124) (-)

8.23

300000

250000

200000

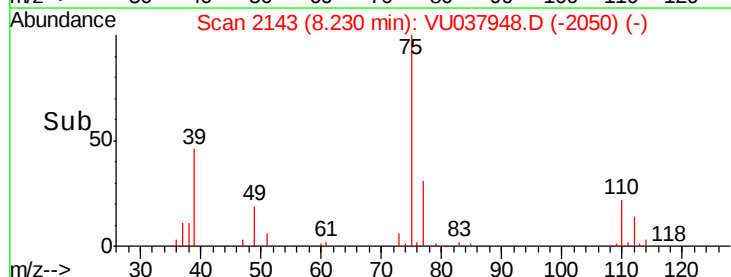
150000

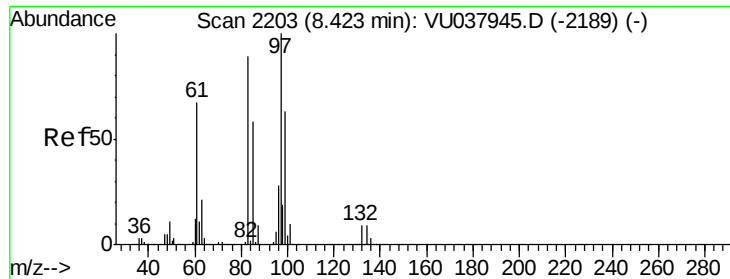
100000

50000

0

Time-->

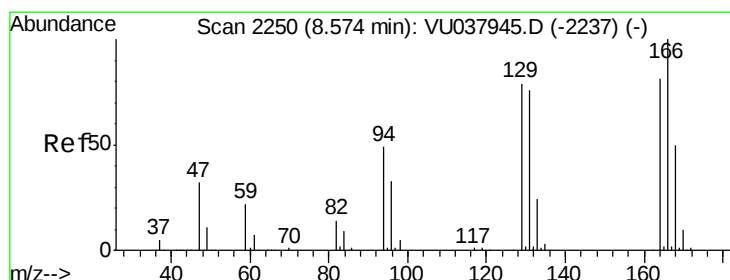
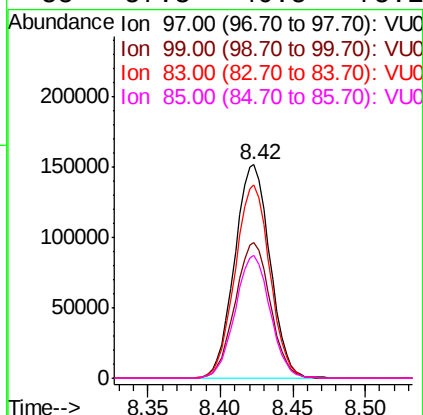
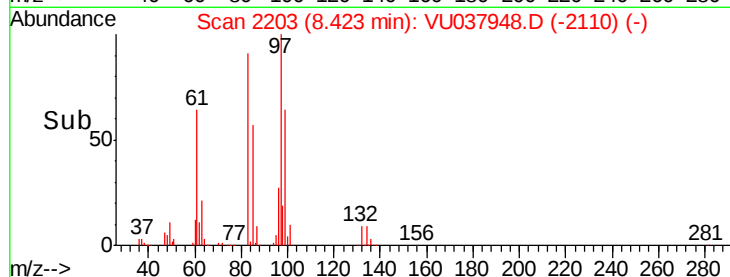
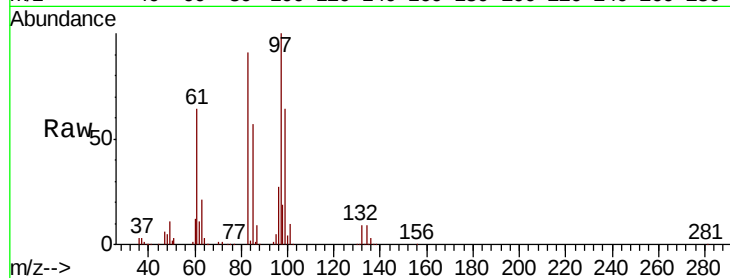




#45
 1,1,2-Trichloroethane
 Concen: 49.096 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

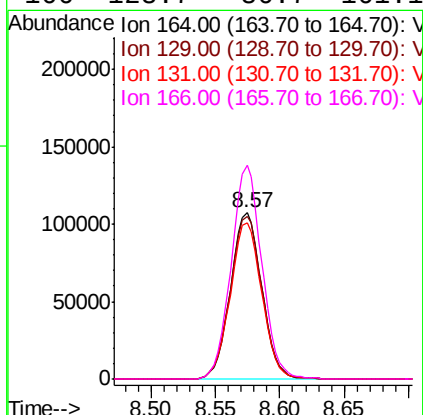
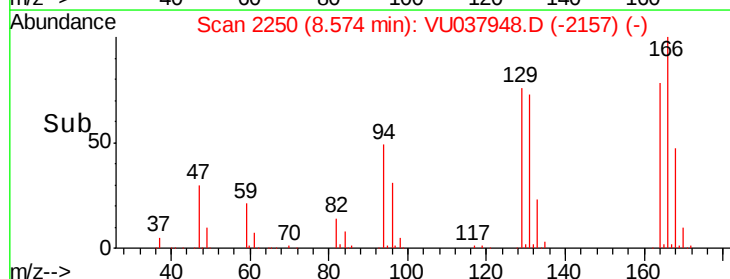
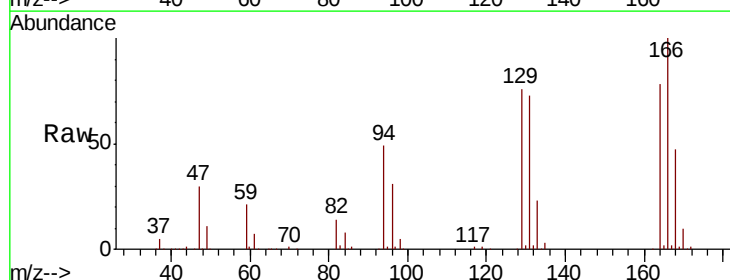
Instrument :
 MSVOA_U
 ClientSampleId :

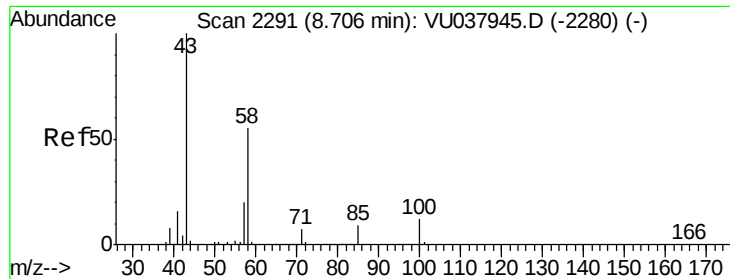
Tot Ion:	97	Resp:	257745
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.4	82.4
83	90.6	61.9	115.1
85	57.3	40.5	75.1



#46
 Tetrachloroethene
 Concen: 46.989 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion:	164	Resp:	180362
Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.4	127.0
131	94.3	65.7	122.1
166	128.7	86.7	161.1

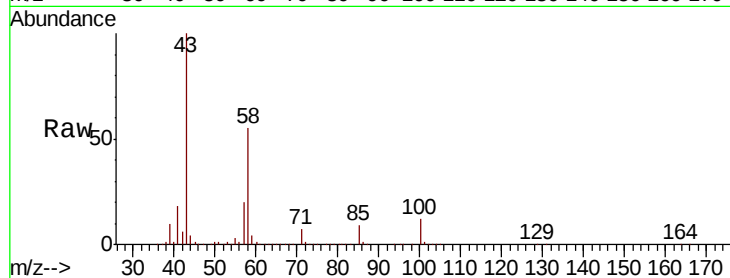




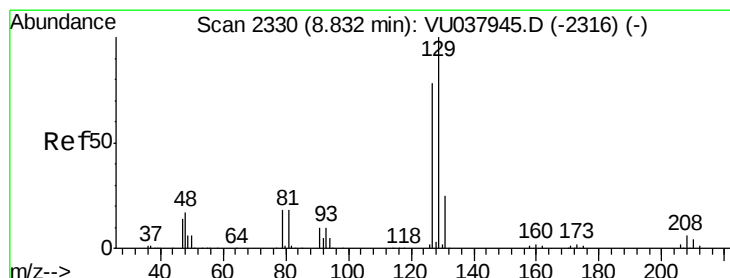
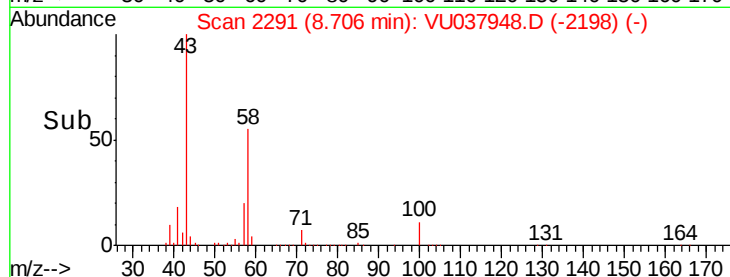
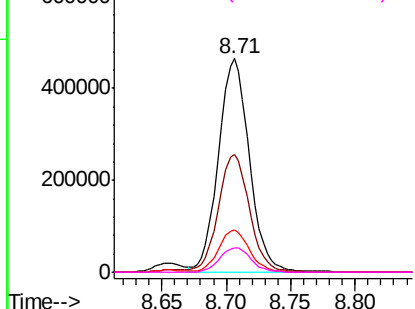
#48
2-Hexanone
Concen: 99.799 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 772420
Ion Ratio Lower Upper
43 100
58 55.5 46.4 69.6
57 20.0 16.4 24.6
100 11.7 9.5 14.3

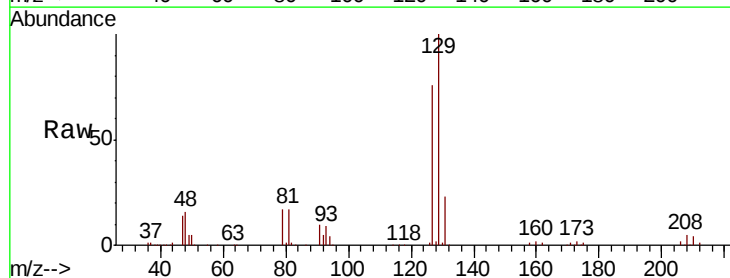


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

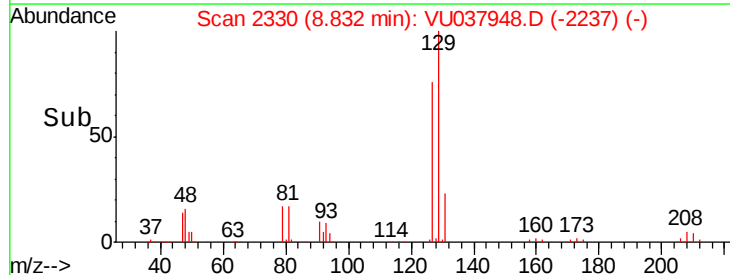
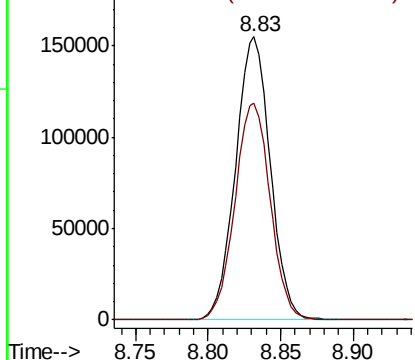


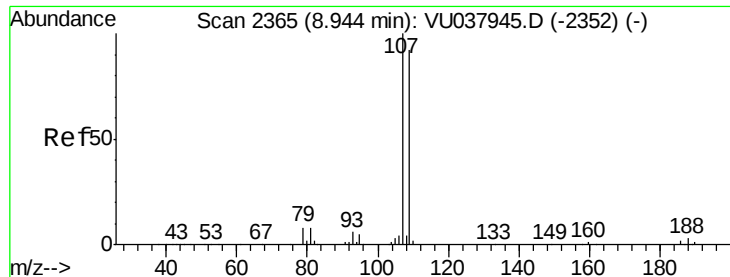
#49
Dibromochloromethane
Concen: 50.994 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion:129 Resp: 258180
Ion Ratio Lower Upper
129 100
127 76.4 54.7 101.5



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

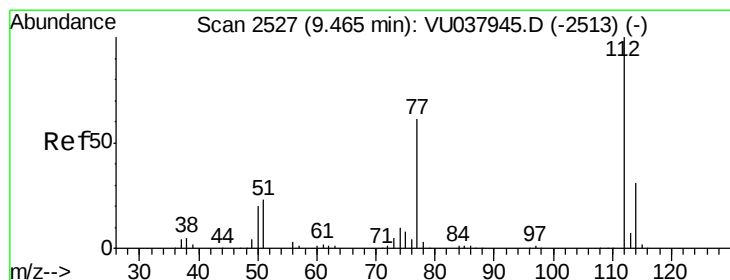
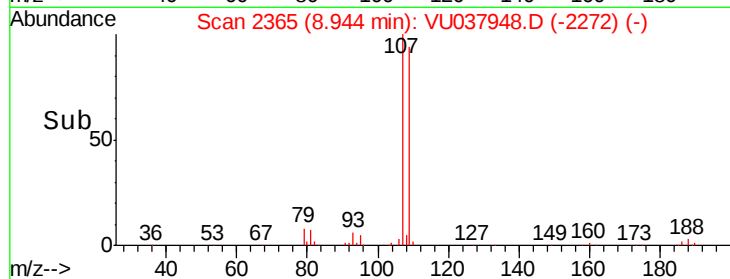
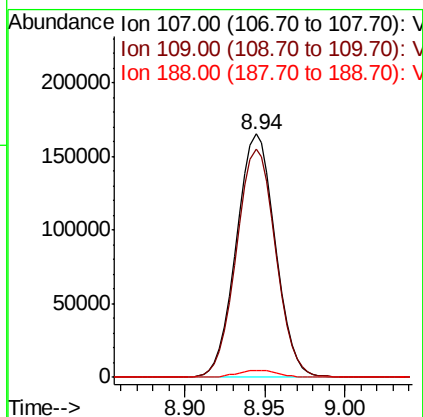
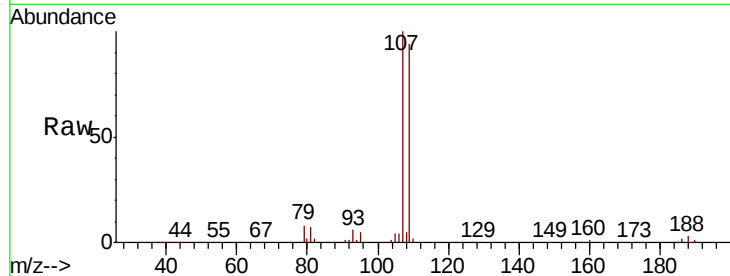




#50
1,2-Dibromoethane
Concen: 48.436 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

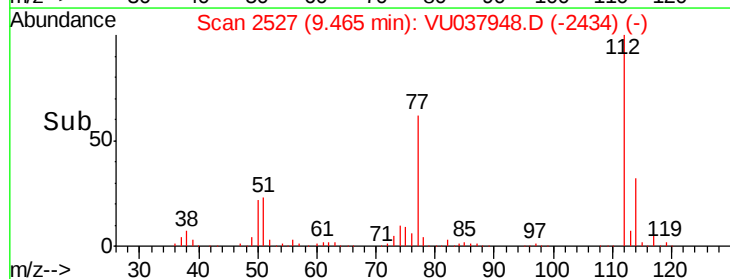
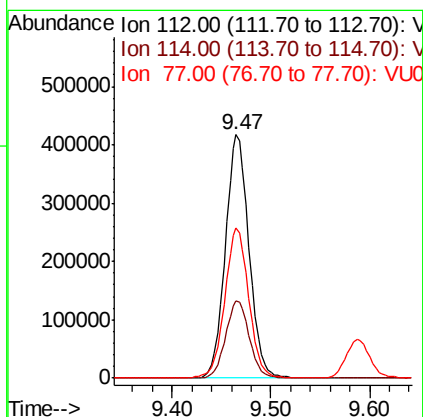
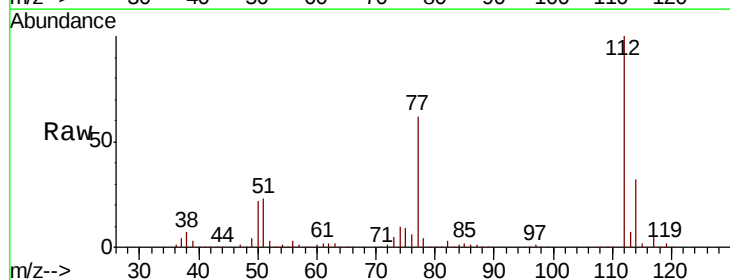
Instrument :
MSVOA_U
ClientSampleId :

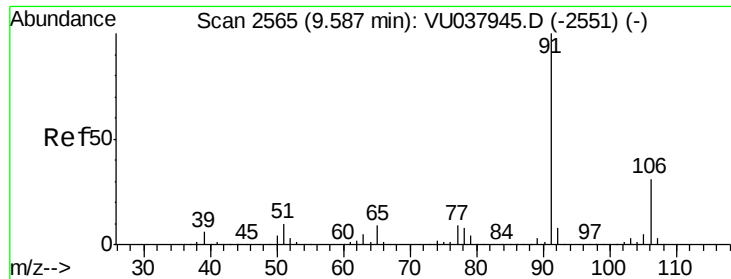
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	64.1	119.1
188	3.0	2.2	3.2



#51
Chlorobenzene
Concen: 49.402 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037948.D
Acq: 30 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.6	40.2
77	61.8	49.3	73.9





#52

Ethylbenzene

Concen: 50.591 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

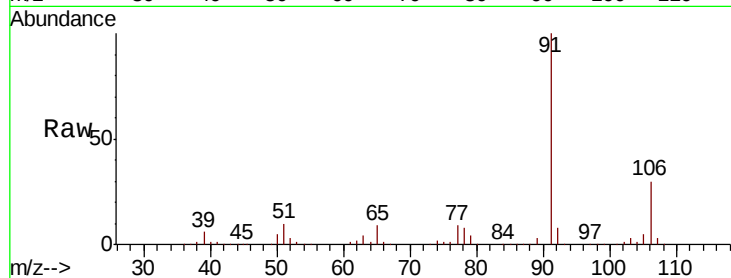
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1277422

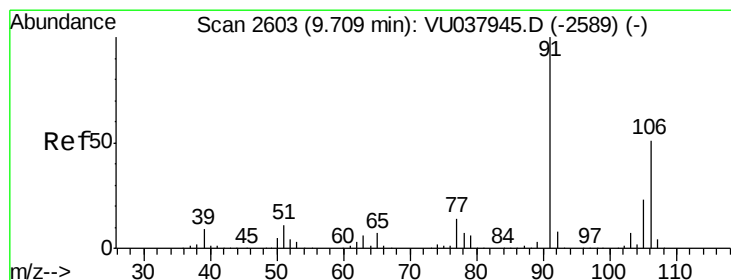
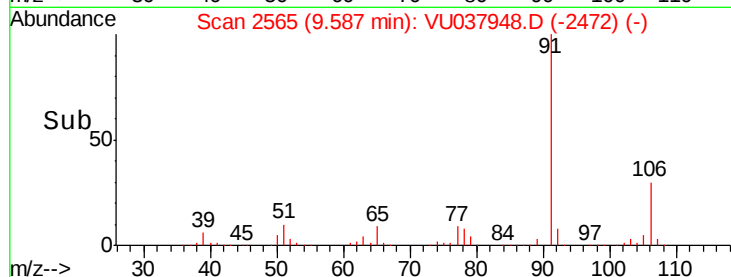
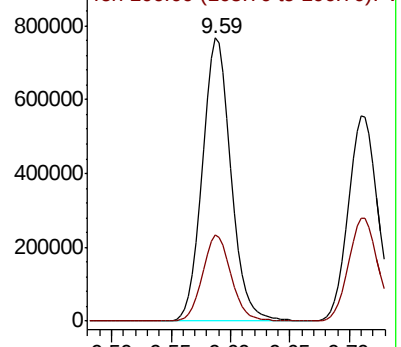
Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2551) (-)



#53

m,p-Xylene

Concen: 50.738 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037948.D

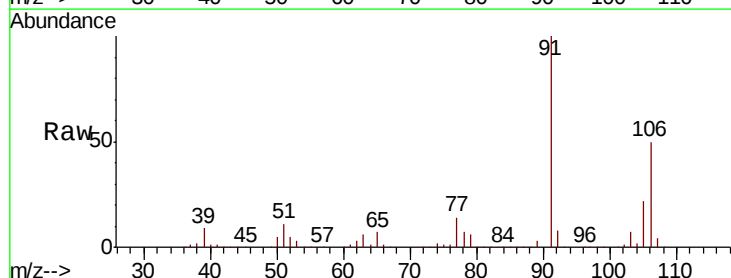
Acq: 30 Apr 2020 12:11

Tgt Ion: 106 Resp: 486431

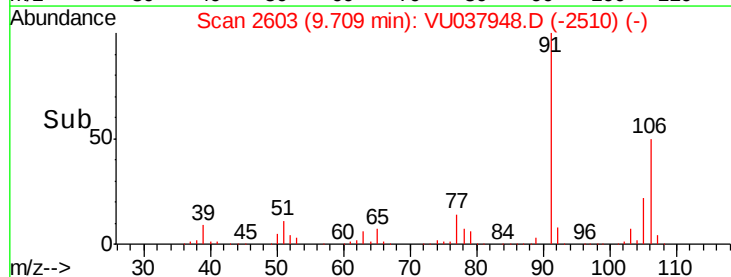
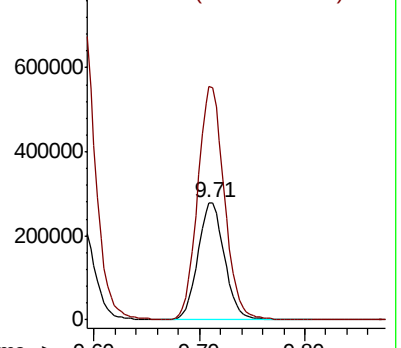
Ion Ratio Lower Upper

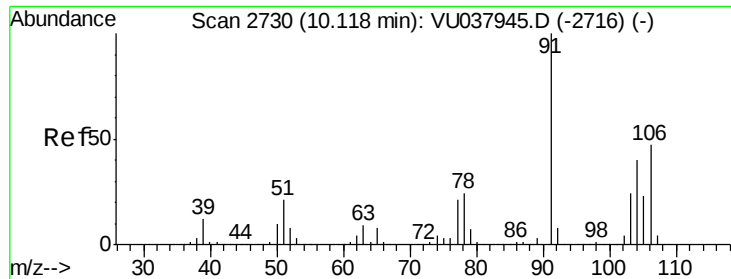
106 100

91 199.1 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037948.D (-2510) (-)





#54

o-xylene

Concen: 50.367 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

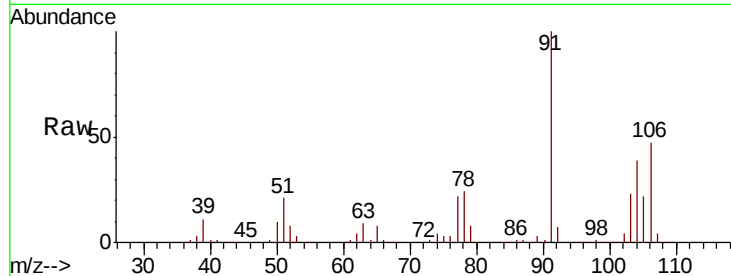
ClientSampled :

Tot Ion:106 Resp: 475420

Ion Ratio Lower Upper

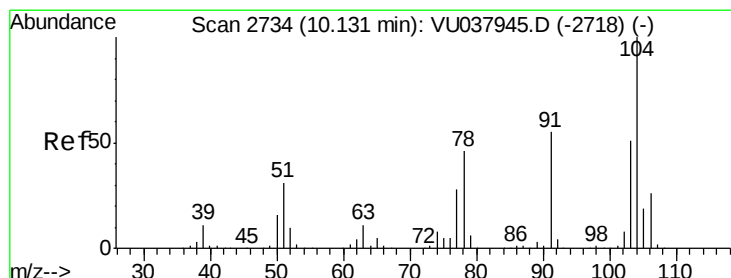
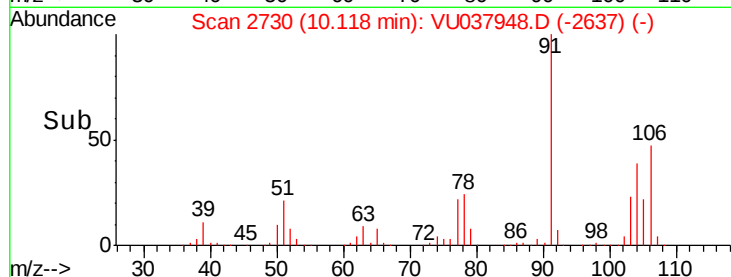
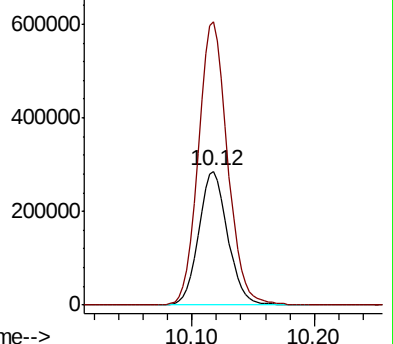
106 100

91 211.5 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.942 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037948.D

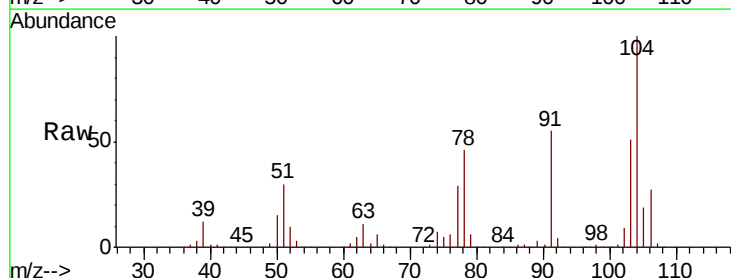
Acq: 30 Apr 2020 12:11

Tgt Ion:104 Resp: 816761

Ion Ratio Lower Upper

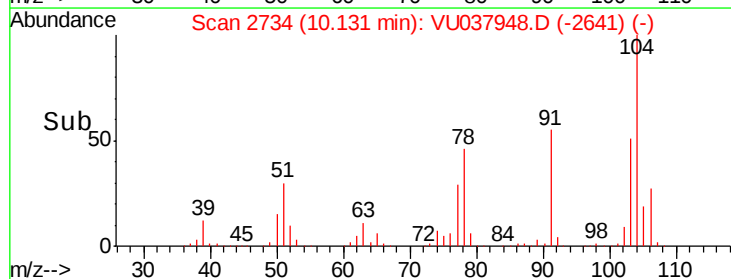
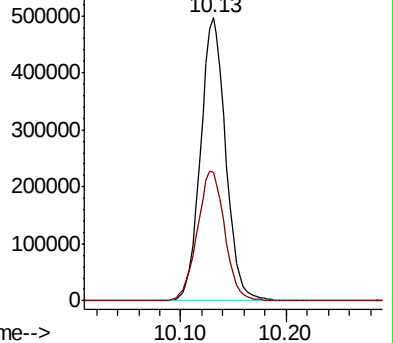
104 100

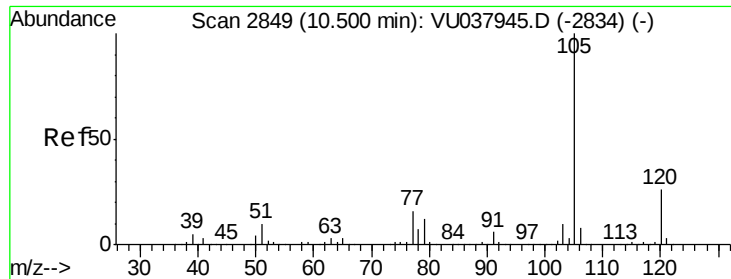
78 45.6 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.354 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

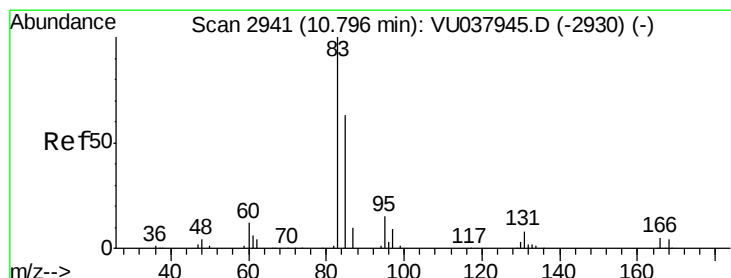
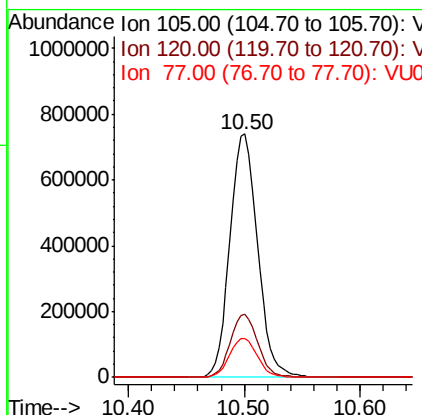
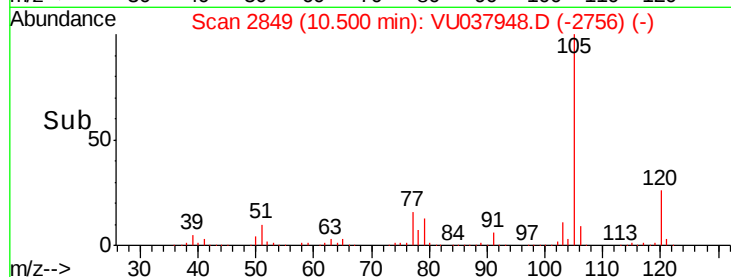
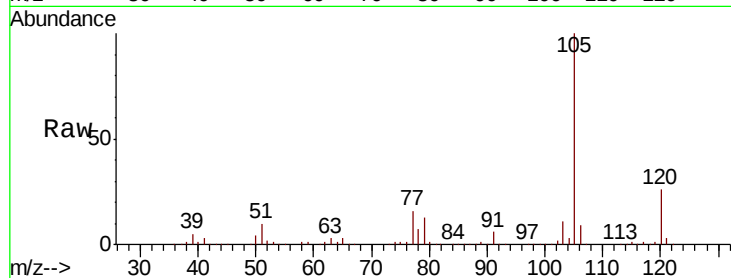
Tot Ion:105 Resp: 1223823

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.847 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

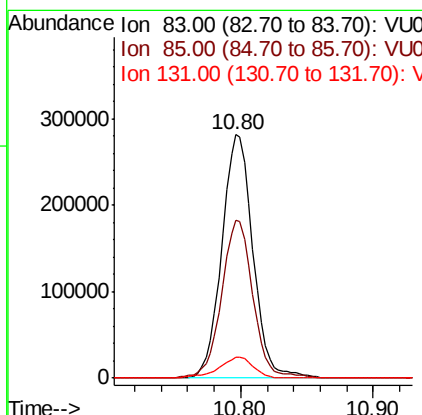
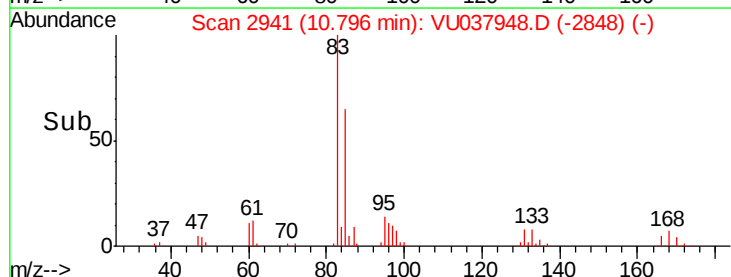
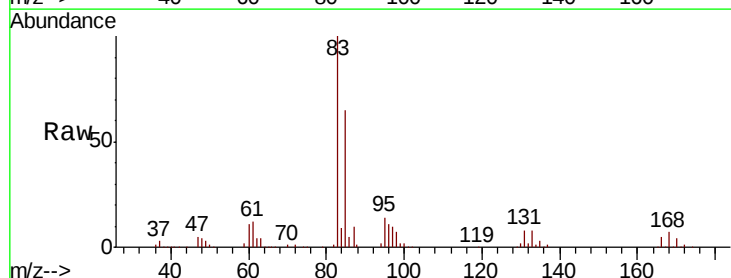
Tgt Ion: 83 Resp: 457808

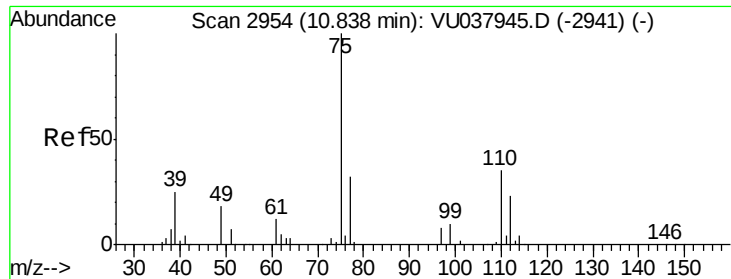
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

131 8.4 6.8 10.2

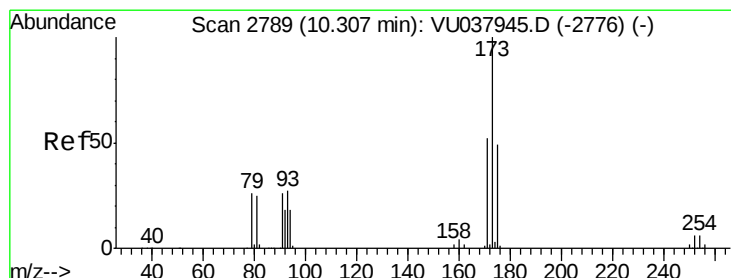
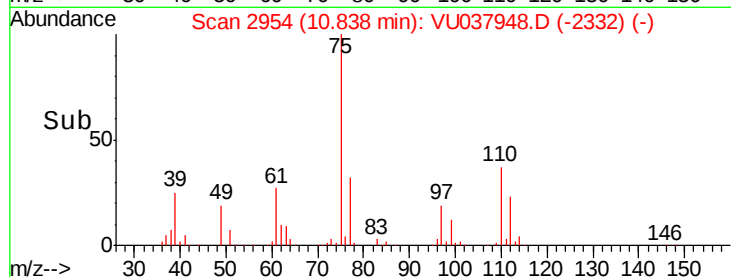
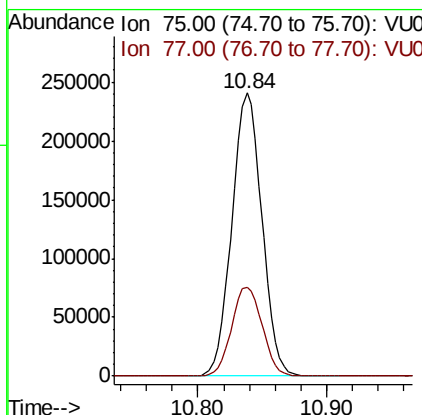
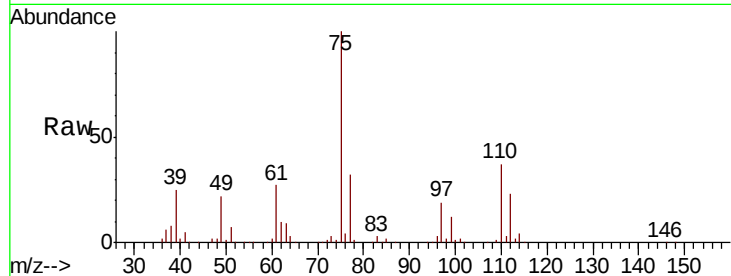




#59
 1,2,3-Trichloropropane
 Concen: 48.405 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

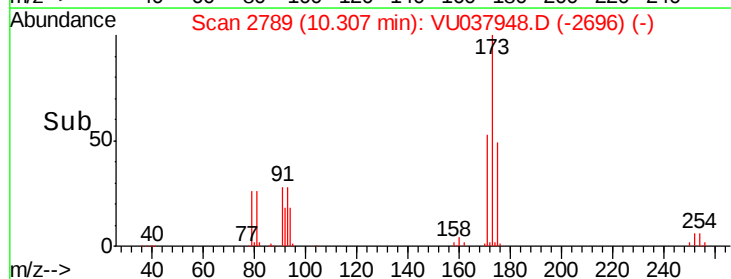
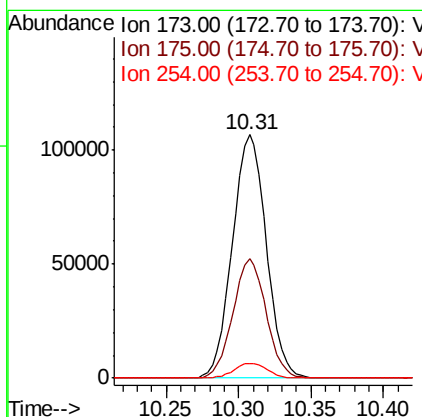
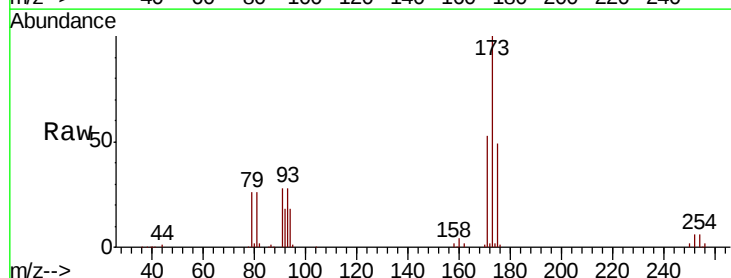
Instrument :
 MSVOA_U
 ClientSampleId :

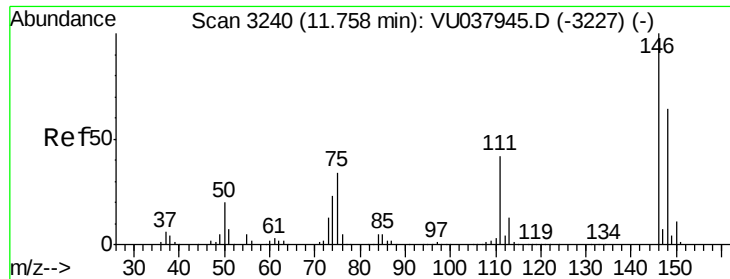
Tot Ion: 75 Resp: 389034
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#61
 Bromoform
 Concen: 49.144 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion: 173 Resp: 173262
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.0 58.4
 254 5.9 4.7 7.1

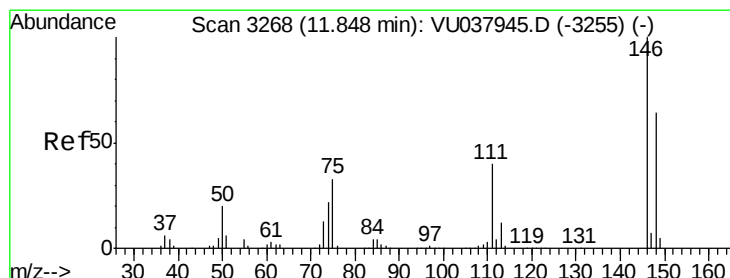
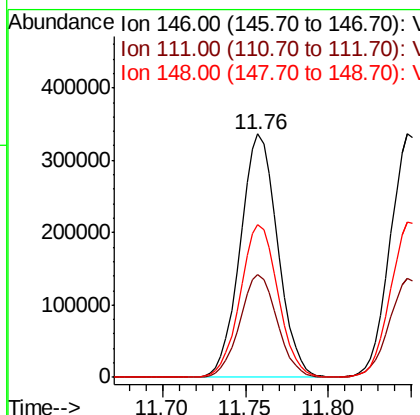
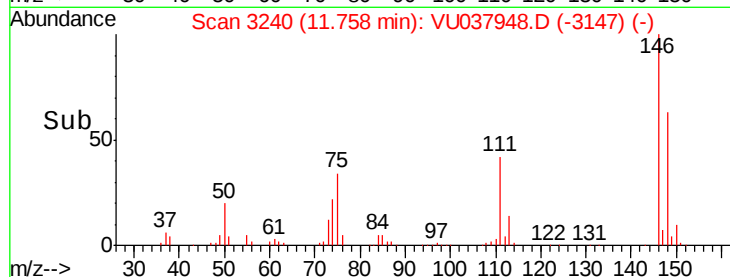
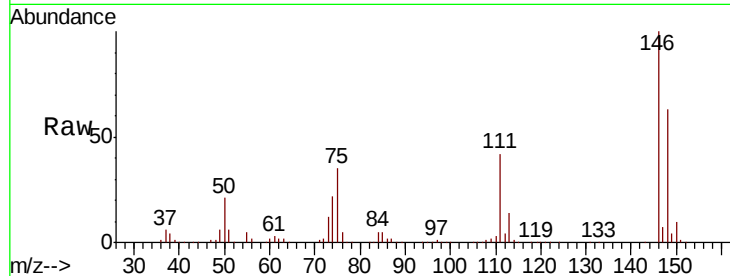




#62
 1,3-Dichlorobenzene
 Concen: 49.970 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

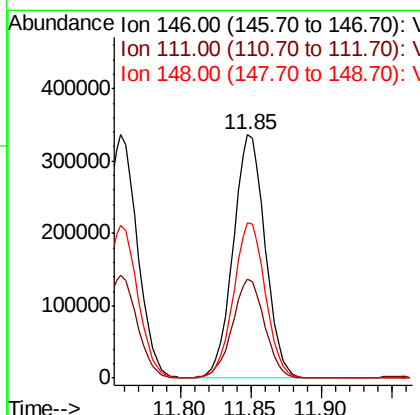
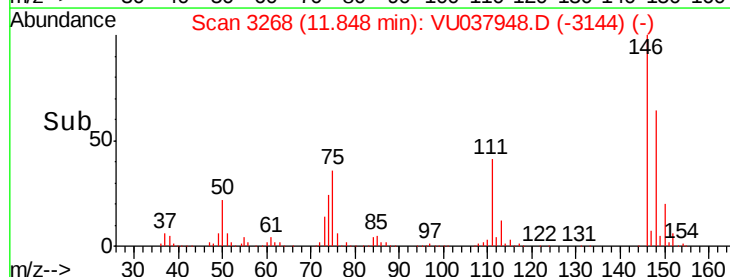
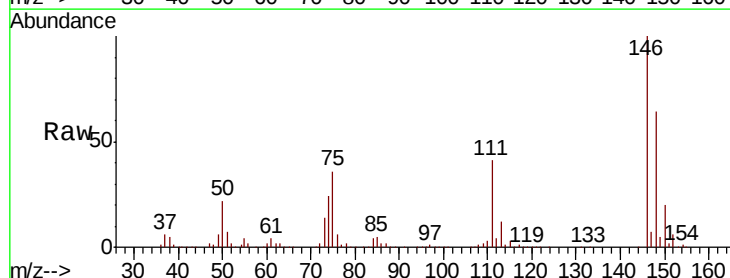
Instrument :
 MSVOA_U
 ClientSampled :

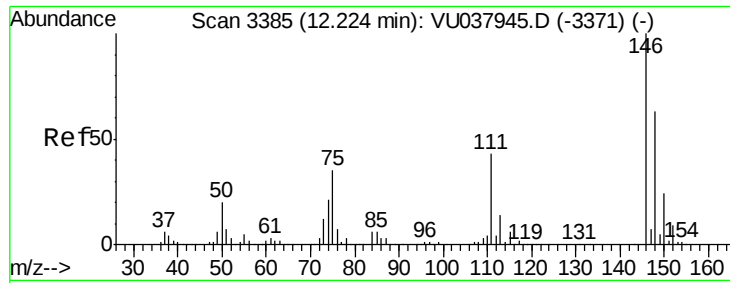
Tot Ion:146 Resp: 527521
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.2 54.2
 148 62.6 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 50.005 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion:146 Resp: 533403
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.2 52.4
 148 63.9 44.5 82.7

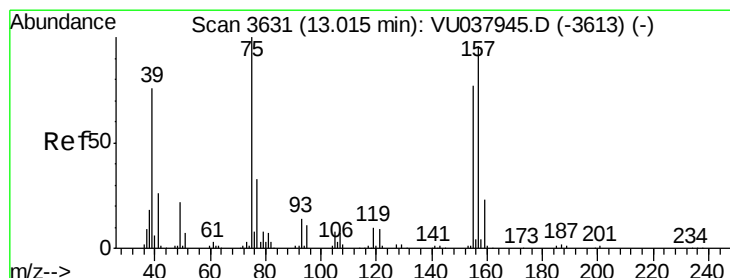
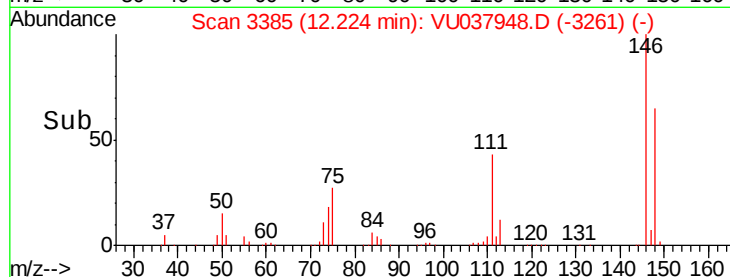
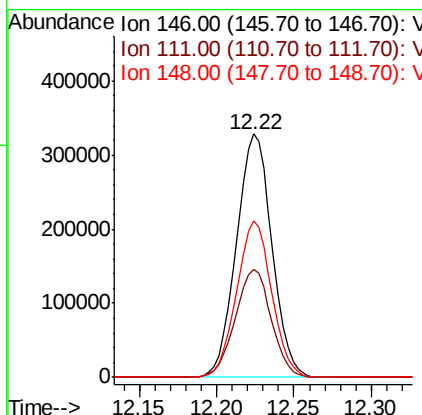
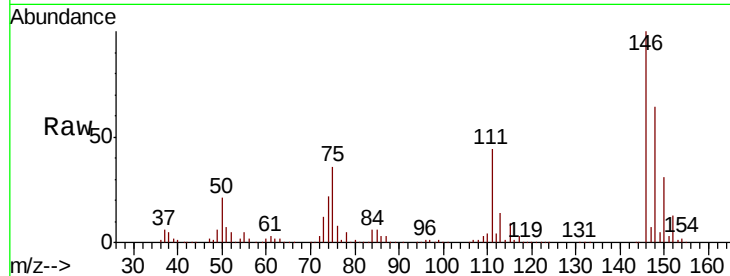




#65
 1,2-Dichlorobenzene
 Concen: 49.193 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

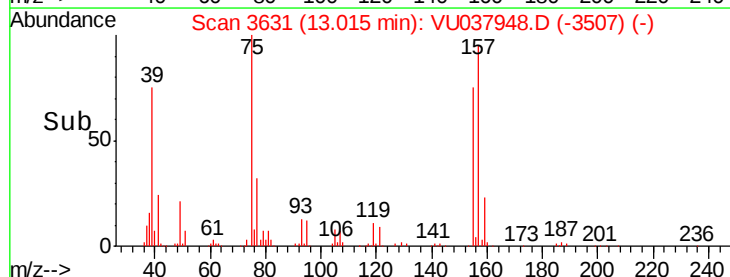
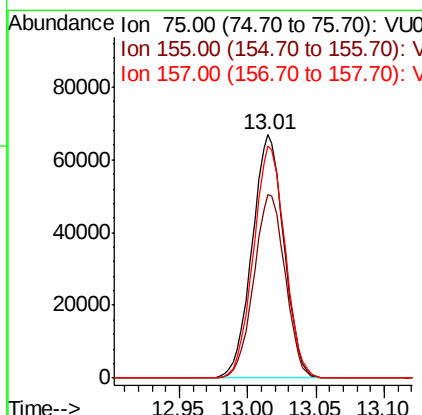
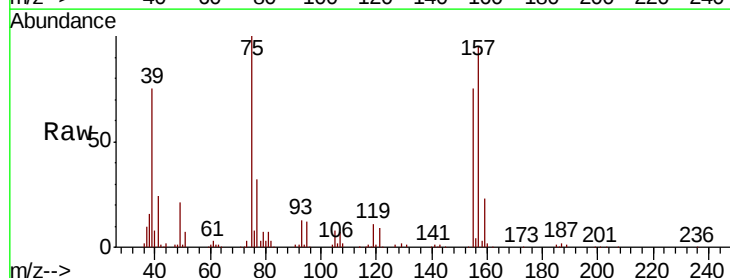
Instrument :
 MSVOA_U
 ClientSampled :

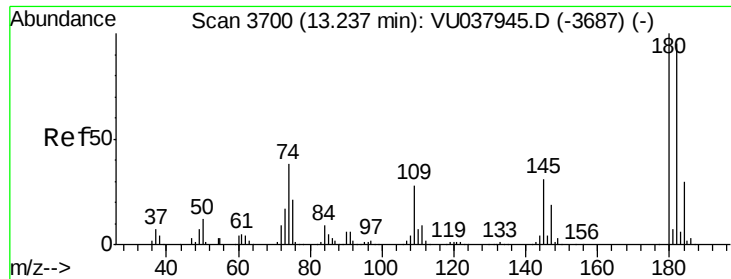
Tot Ion:146 Resp: 523884
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.6 51.8
 148 64.3 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.769 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion: 75 Resp: 108408
 Ion Ratio Lower Upper
 75 100
 155 75.4 61.3 91.9
 157 95.2 76.9 115.3

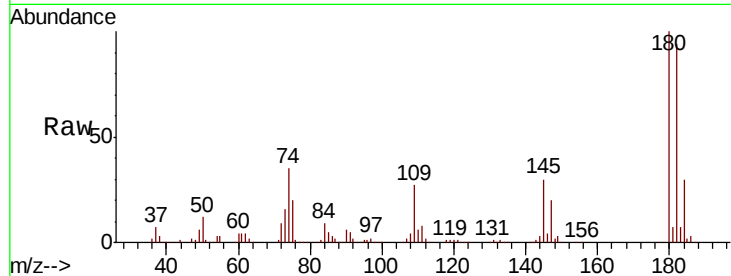




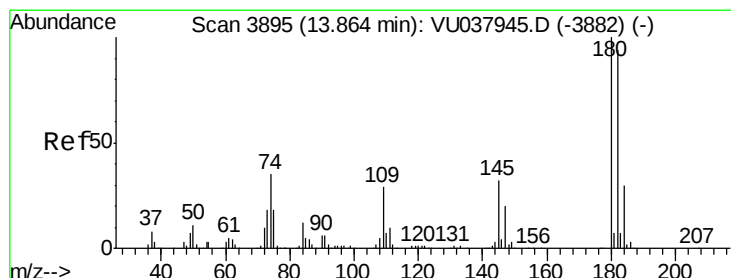
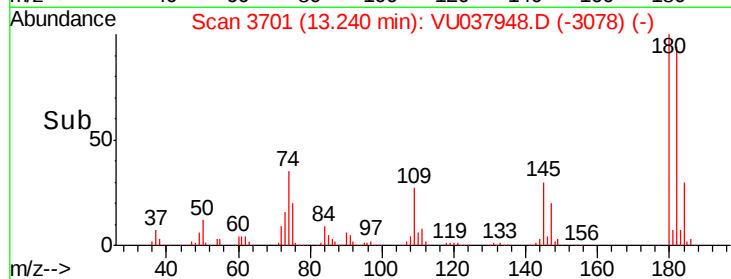
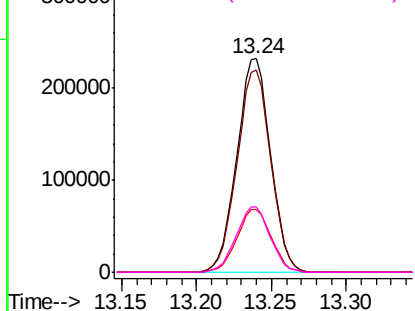
#67
 1,3,5-Trichlorobenzene
 Concen: 50.616 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 364274
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.7 113.5
 184 29.9 24.2 36.2
 145 30.8 24.6 37.0

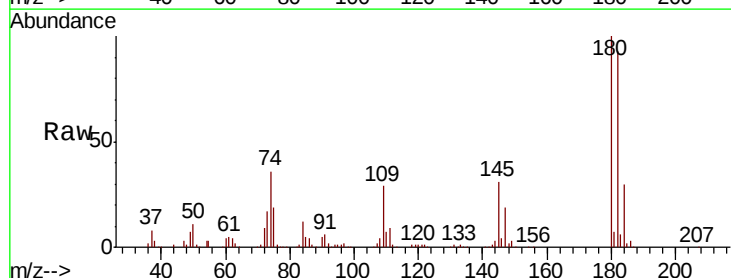


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

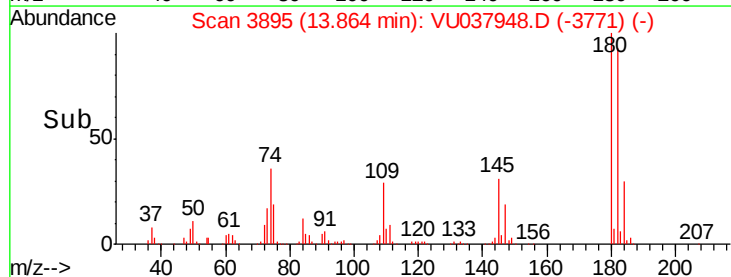
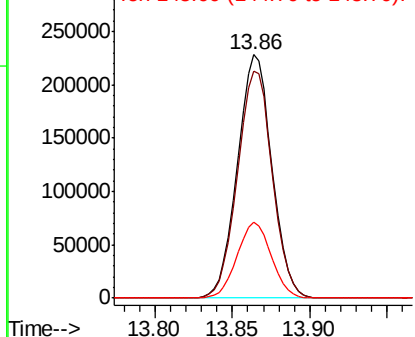


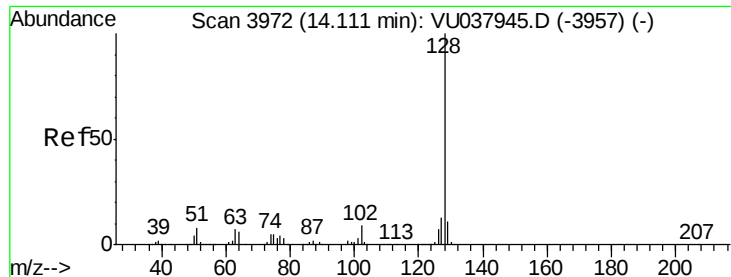
#68
 1,2,4-trichlorobenzene
 Concen: 51.031 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037948.D
 Acq: 30 Apr 2020 12:11

Tgt Ion:180 Resp: 352031
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.0
 145 31.1 25.3 37.9



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: 52.270 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

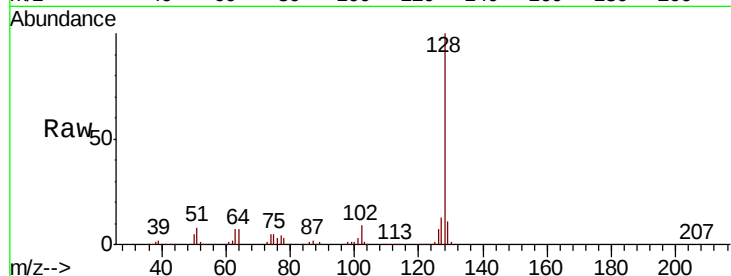
Tot Ion:128 Resp: 1383370

Ion Ratio Lower Upper

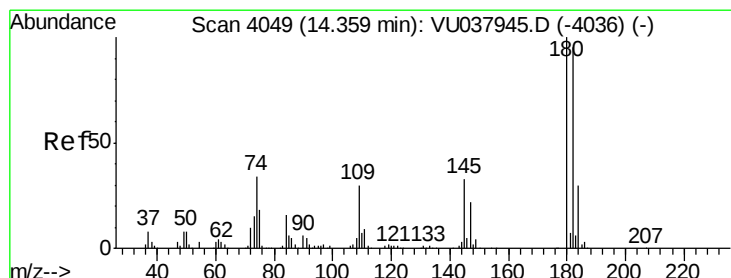
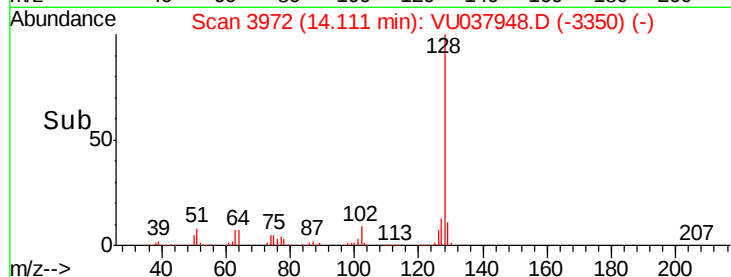
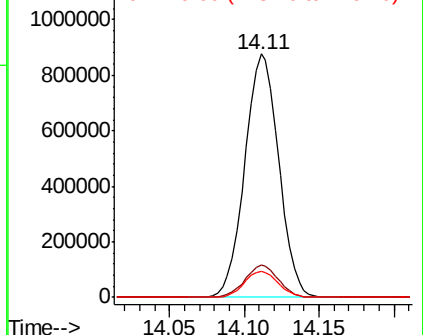
128 100

127 12.9 10.4 15.6

129 10.7 8.8 13.2



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: 52.312 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037948.D

Acq: 30 Apr 2020 12:11

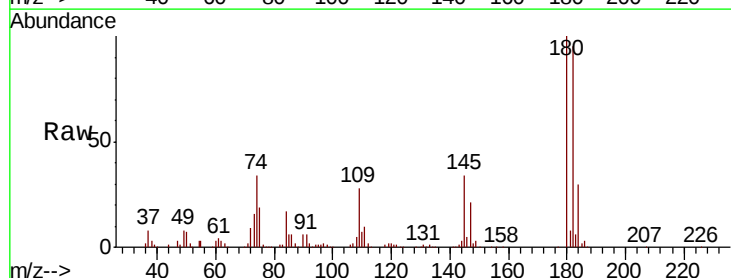
Tgt Ion:180 Resp: 355159

Ion Ratio Lower Upper

180 100

182 94.7 75.9 113.9

145 33.6 27.0 40.4



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

