

Data File : VU030512.D
Acq On : 28 Mar 2019 14:12
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Quant Time: Mar 29 01:19:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	380709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	367023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172282	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165118	53.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.78%
7) Chloroethane-d5	1.67	69	128485	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.82%
11) 1,1-Dichloroethene-d2	2.27	63	318923	54.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.74%
21) 2-Butanone-d5	4.17	46	265607	92.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.22%
24) Chloroform-d	4.64	84	287264	54.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.84%
26) 1,2-Dichloroethane-d4	5.31	65	184167	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	5.34	84	573380	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.96%
36) 1,2-Dichloropropane-d6	6.32	67	199374	55.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.72%
41) Toluene-d8	7.56	98	520900	55.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.22%
43) trans-1,3-Dichloropropene-	7.85	79	92966	54.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.80%
47) 2-Hexanone-d5	8.31	63	142360	72.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272405	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	182582	52.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.78%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	220974	52.607	ug/L	100
3) Chloromethane	1.33	50	249859	53.185	ug/L	99
5) Vinyl chloride	1.40	62	233005	52.303	ug/L	100
6) Bromomethane	1.61	94	101808	49.817	ug/L	98
8) Chloroethane	1.68	64	133773	53.190	ug/L	99
9) Trichlorofluoromethane	1.88	101	271516	55.890	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	151877	54.660	ug/L	98
12) 1,1-Dichloroethene	2.28	96	143617	52.725	ug/L	97
13) Acetone	2.32	43	271801	93.314	ug/L	99
14) Carbon disulfide	2.47	76	450530	50.024	ug/L	99
15) Methyl Acetate	2.61	43	226986	50.893	ug/L #	100
16) Methylene chloride	2.70	84	173947	54.171	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	146343	51.210	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	508671	53.826	ug/L	100
19) 1,1-Dichloroethane	3.44	63	322892	55.074	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	167523	52.271	ug/L	97
22) 2-Butanone	4.26	43	349001	99.129	ug/L	99

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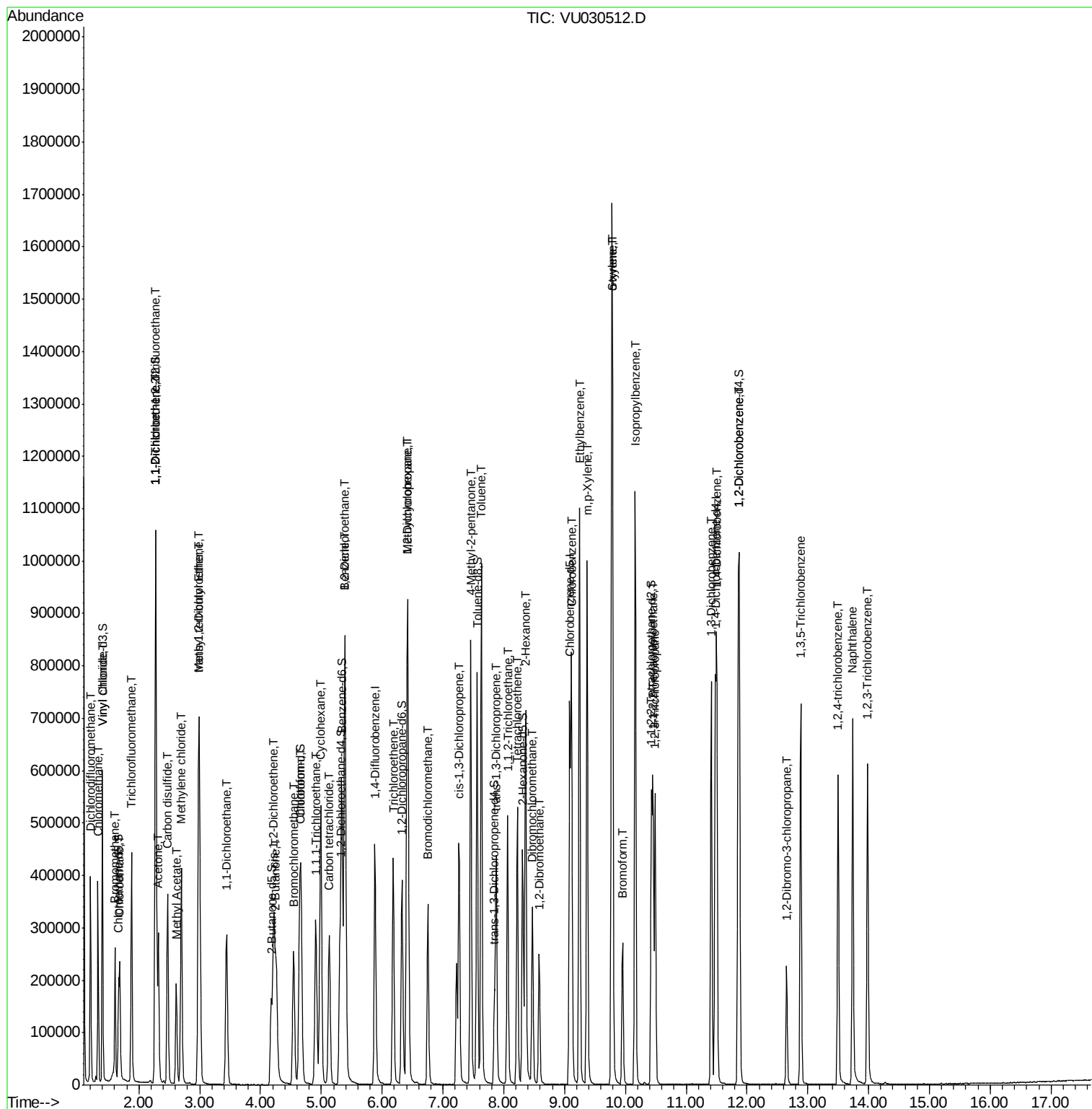
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	78688	52.824	ug/L	96
25) Chloroform	4.67	83	306046	54.903	ug/L	99
27) 1,2-Dichloroethane	5.40	62	246301	56.309	ug/L	99
29) Cyclohexane	4.99	56	298926	53.820	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	244839	54.481	ug/L	100
31) Carbon tetrachloride	5.13	117	207694	54.525	ug/L	98
33) Benzene	5.39	78	676164	54.120	ug/L	100
34) Trichloroethene	6.18	95	159734	52.007	ug/L	97
35) Methylcyclohexane	6.41	83	271544	53.727	ug/L	99
37) 1,2-Dichloropropane	6.43	63	190236	53.654	ug/L	100
38) Bromodichloromethane	6.75	83	228223	54.172	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	276345	54.225	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	597245	100.283	ug/L	98
42) Toluene	7.63	91	707246	54.544	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	243918	54.395	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	159621	53.281	ug/L	99
46) Tetrachloroethene	8.22	164	115947	54.049	ug/L	98
48) 2-Hexanone	8.36	43	479635	98.263	ug/L	98
49) Dibromochloromethane	8.47	129	170384	54.735	ug/L	98
50) 1,2-Dibromoethane	8.58	107	169530	52.728	ug/L	100
51) Chlorobenzene	9.12	112	416041	52.942	ug/L	98
52) Ethylbenzene	9.25	91	765392	54.491	ug/L	100
53) m,p-Xylene	9.37	106	275993	54.418	ug/L	97
54) o-xylene	9.77	106	269747	54.509	ug/L	99
55) Styrene	9.79	104	470635	55.209	ug/L	100
56) Isopropylbenzene	10.16	105	716163	54.655	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	297328	53.850	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	230426	53.393	ug/L	99
61) Bromoform	9.95	173	120184	52.469	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	300882	53.404	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	299717	51.674	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	313493	55.028	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	60239	47.488	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	221920	52.615	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	179086	48.867	ug/L	100
69) Naphthalene	13.74	128	542990	41.668	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	182886	47.260	ug/L	97

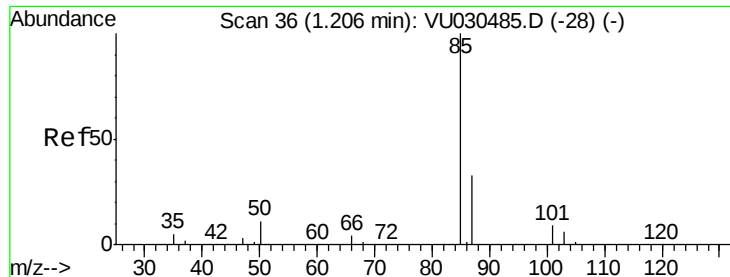
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.607 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

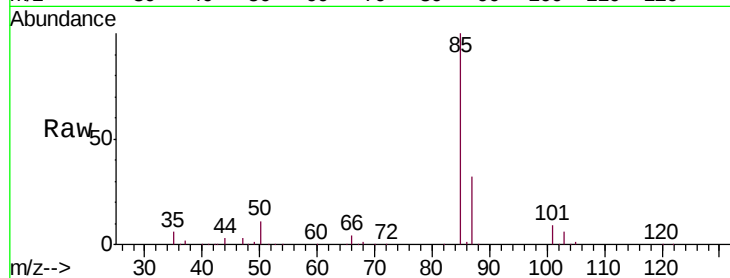
VSTD05038

Tgt Ion: 85 Resp: 220974

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030512.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030512.D (-1) (-)

250000

200000

150000

100000

50000

0

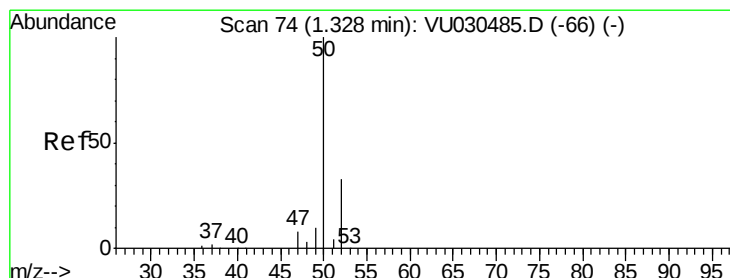
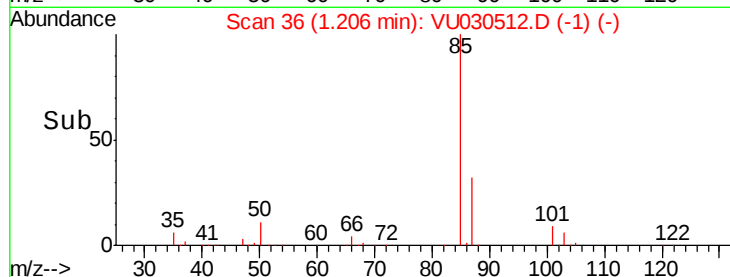
1.15

1.20

1.25

1.30

Time-->



#3

Chloromethane

Concen: 53.185 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030512.D

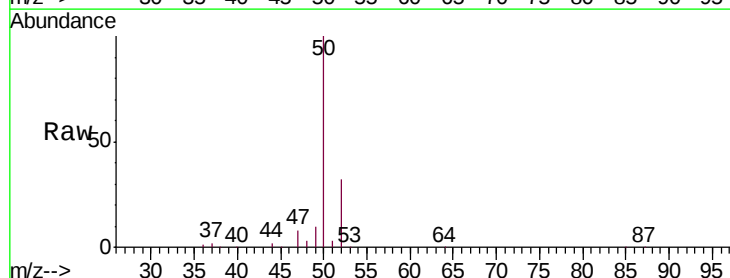
Acq: 28 Mar 2019 14:12

Tgt Ion: 50 Resp: 249859

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030512.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030512.D (-1) (-)

250000

200000

150000

100000

50000

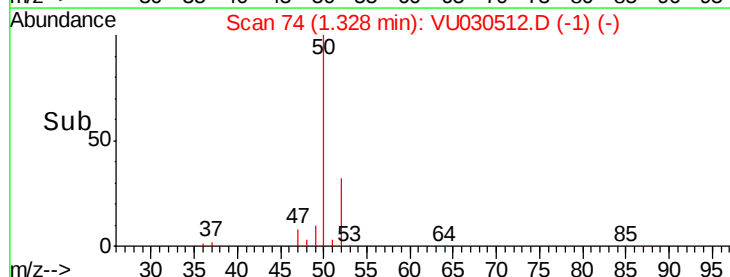
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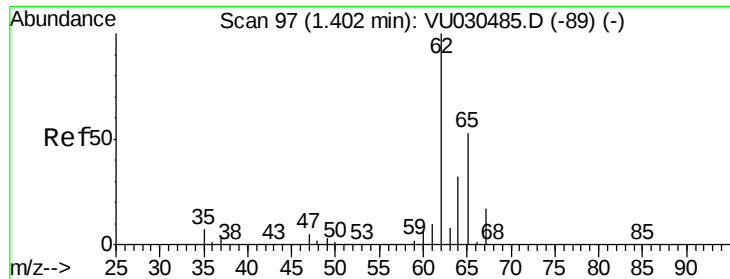
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 52.303 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

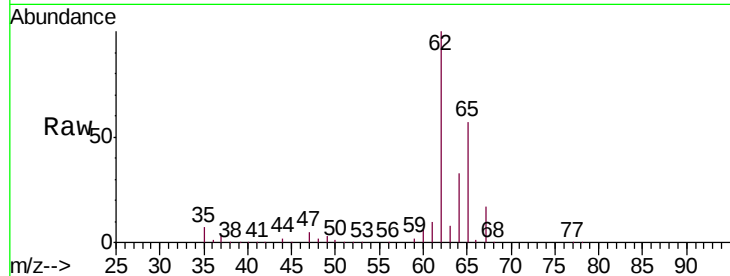
VSTD05038

Tgt Ion: 62 Resp: 233005

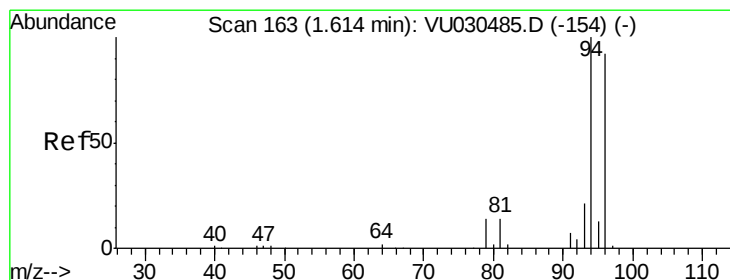
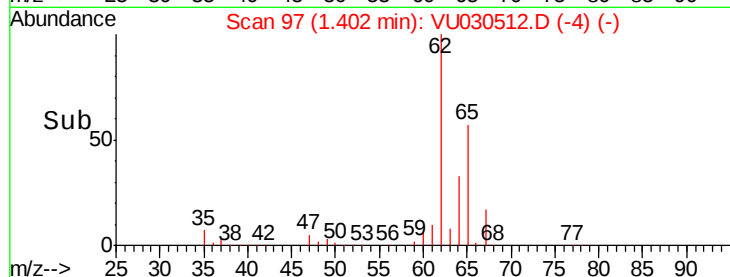
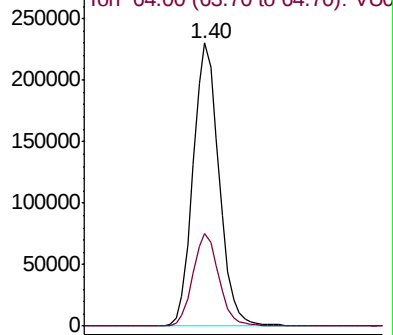
Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030485.D (-89) (-)



#6

Bromomethane

Concen: 49.817 ug/L

RT: 1.61 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU030512.D

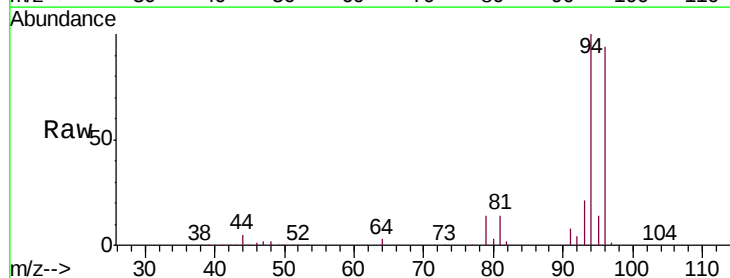
Acq: 28 Mar 2019 14:12

Tgt Ion: 94 Resp: 101808

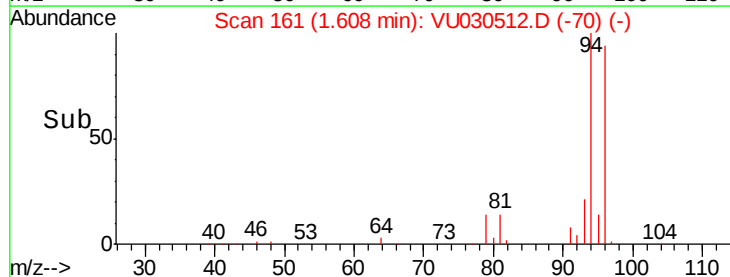
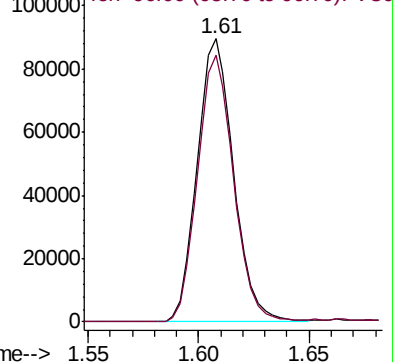
Ion Ratio Lower Upper

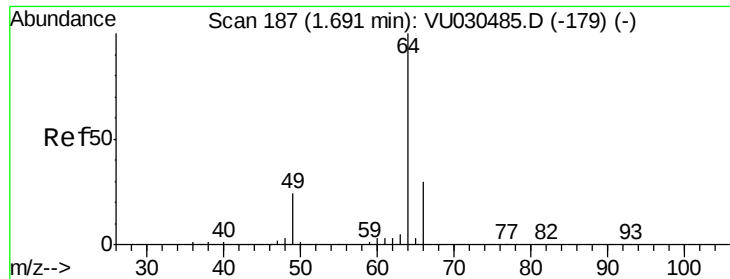
94 100

96 94.1 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030485.D (-154) (-)

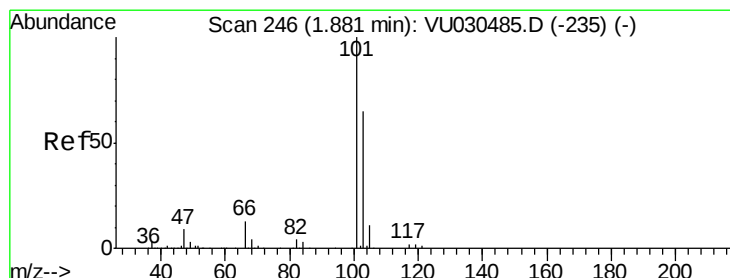
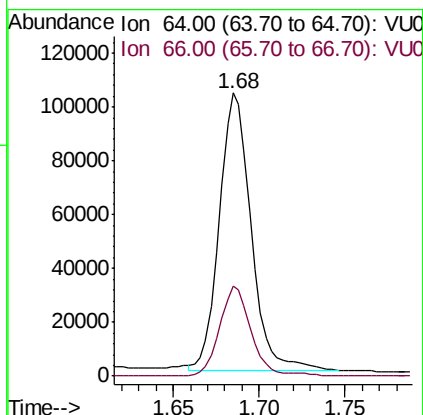
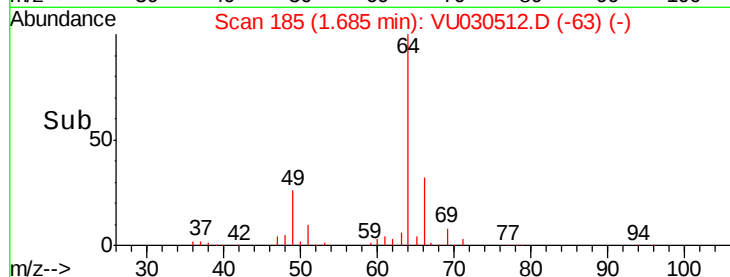
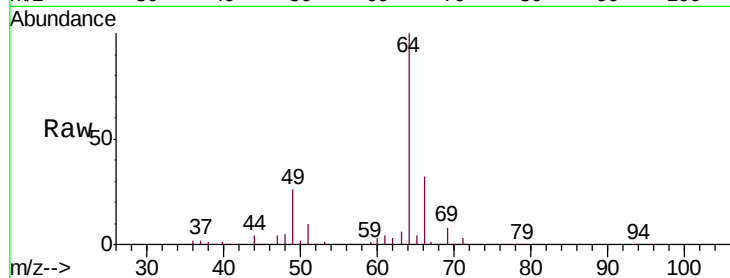




#8
Chloroethane
Concen: 53.190 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

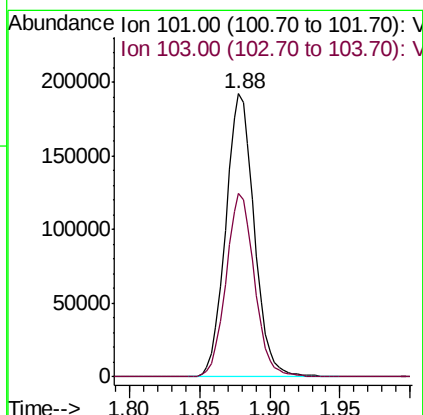
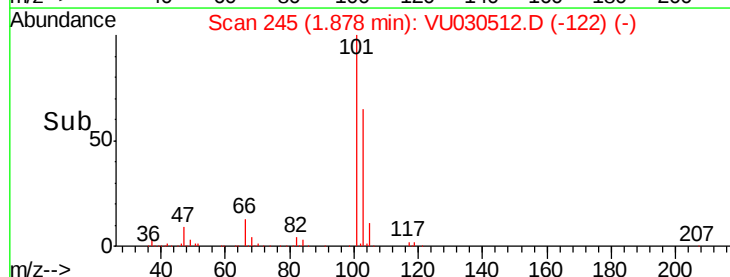
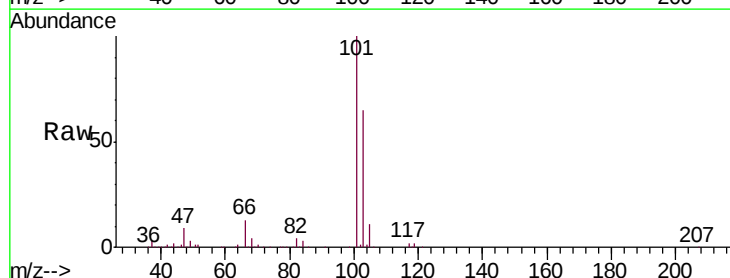
Instrument :
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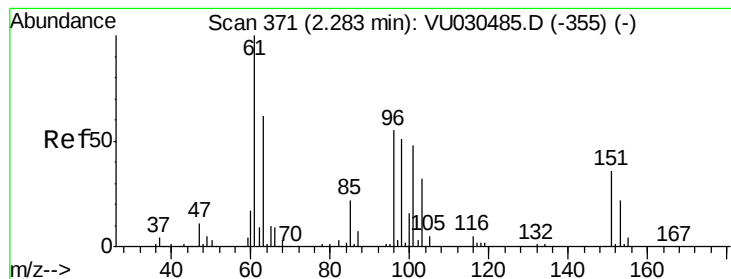
Tgt Ion: 64 Resp: 133773
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 55.890 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

Tgt Ion: 101 Resp: 271516
Ion Ratio Lower Upper
101 100
103 64.9 51.1 76.7





#10

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

Concen: 54.660 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampled :

VSTD05038

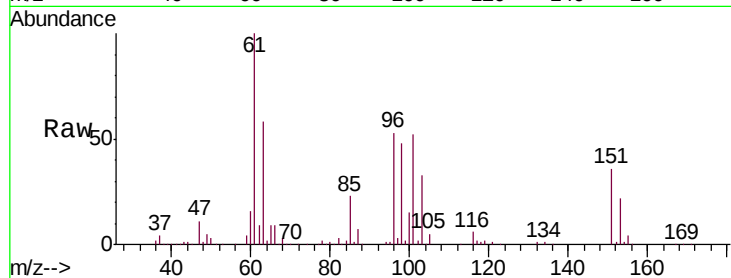
Tgt Ion: 101 Resp: 151877

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

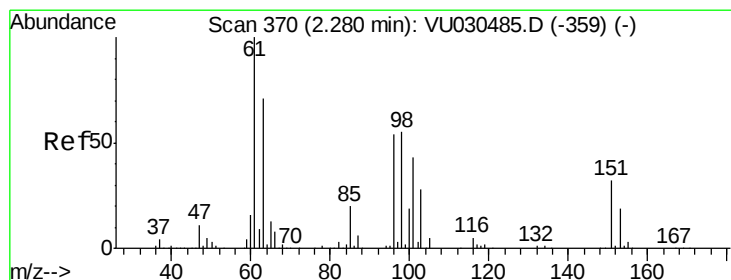
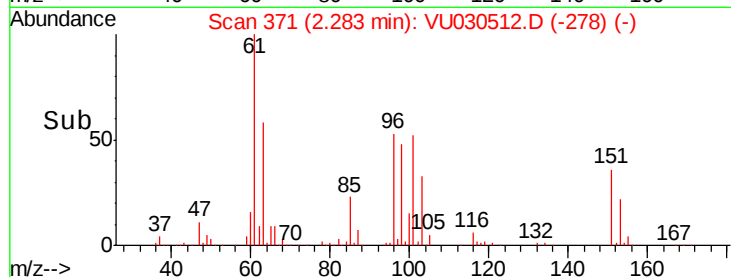
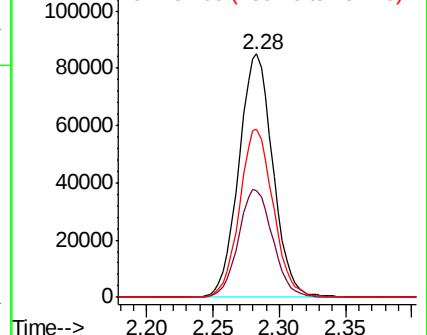
151 68.4 56.6 85.0



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: 52.725 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

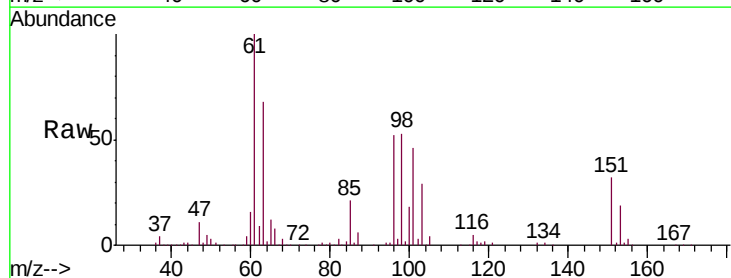
Tgt Ion: 96 Resp: 143617

Ion Ratio Lower Upper

96 100

61 193.1 131.0 243.4

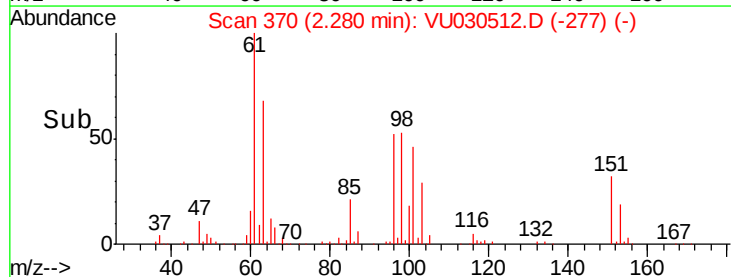
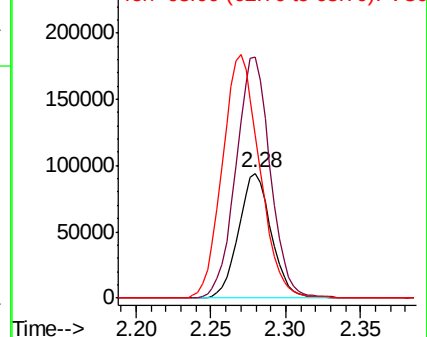
63 130.9 92.4 171.6

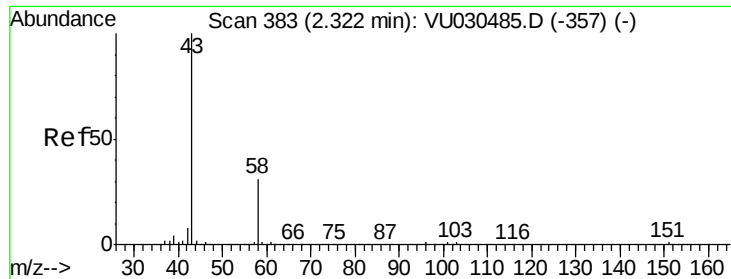


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.314 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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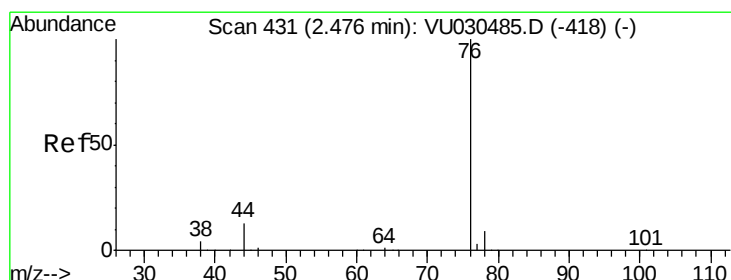
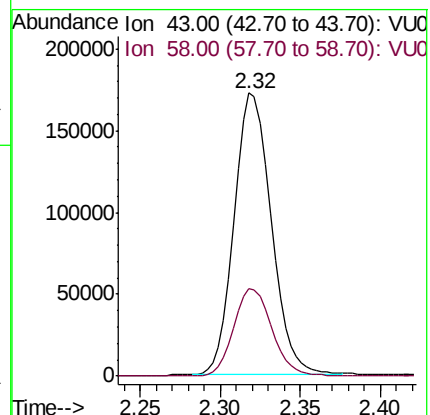
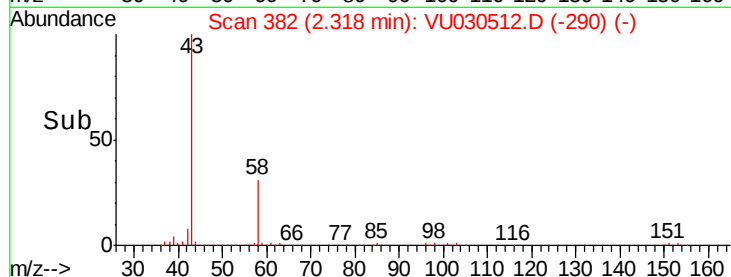
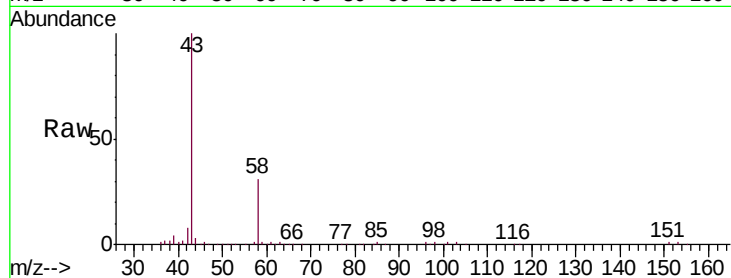
VSTD05038

Tgt Ion: 43 Resp: 271801

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.8



#14

Carbon disulfide

Concen: 50.024 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030512.D

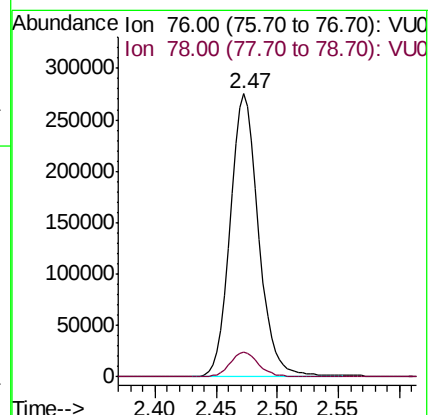
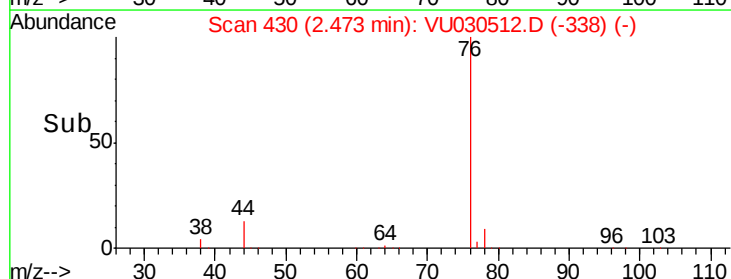
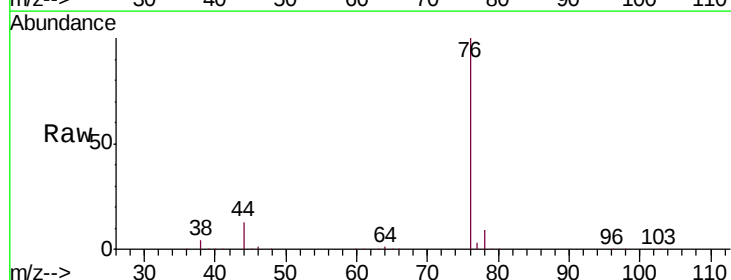
Acq: 28 Mar 2019 14:12

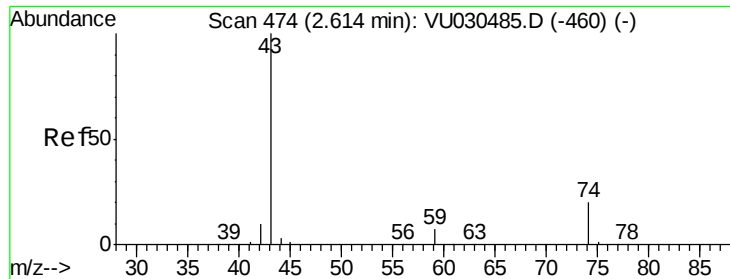
Tgt Ion: 76 Resp: 450530

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

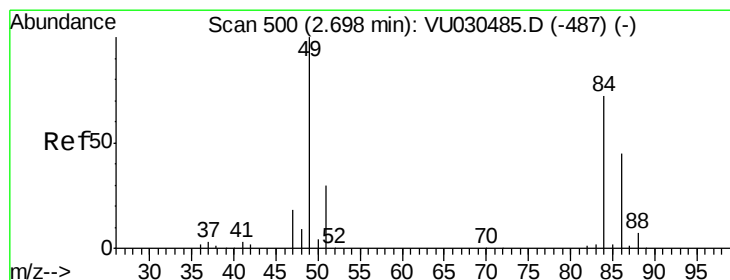
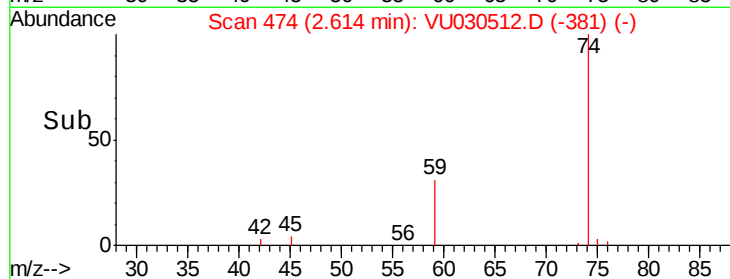
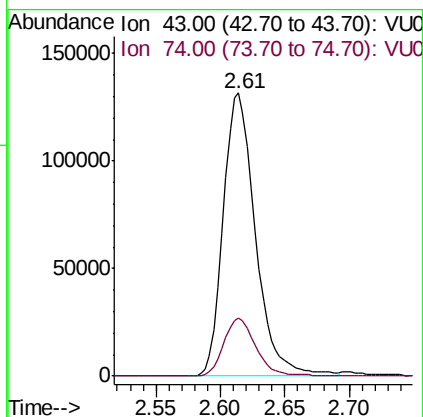
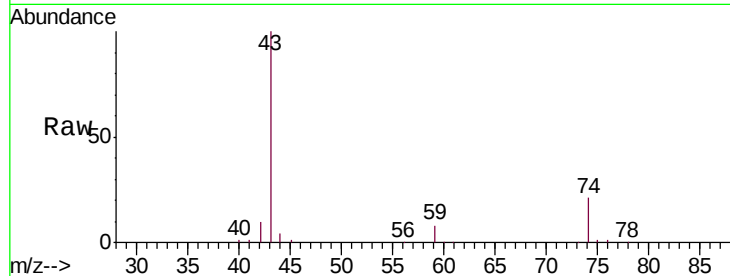




#15
Methyl Acetate
Concen: 50.893 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

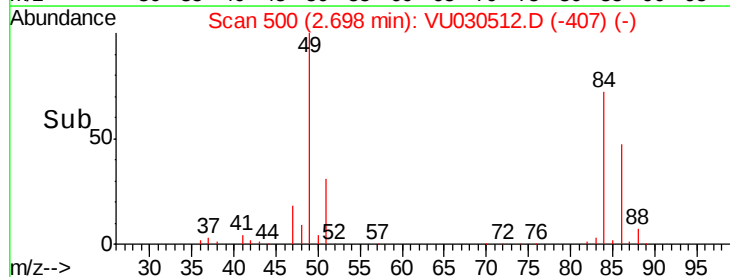
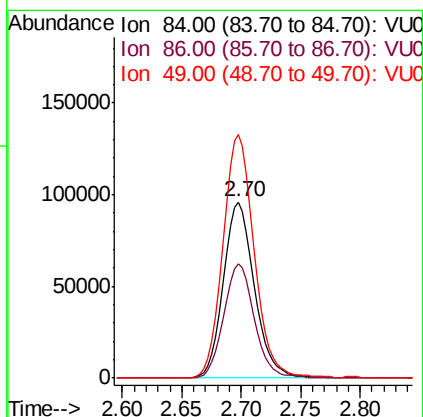
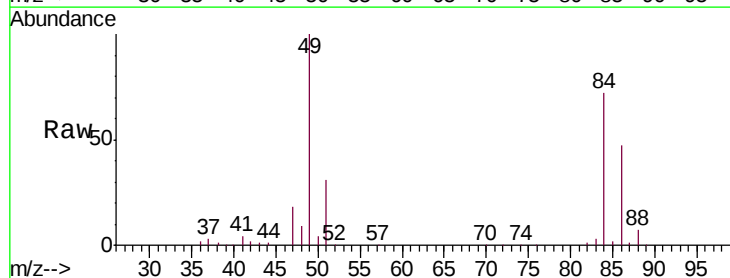
Instrument :
MSVOA_U
ClientSampled :
VSTD05038

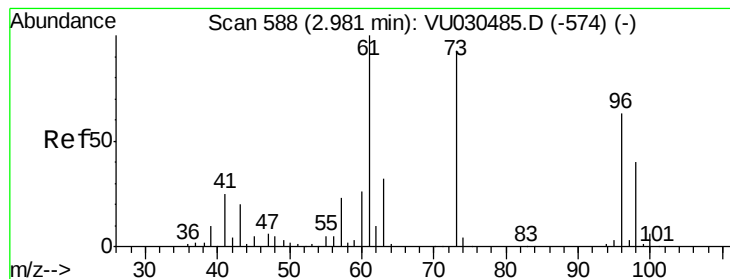
Tgt Ion: 43 Resp: 226986
Ion Ratio Lower Upper
43 100
74 20.5 0.0 0.0#



#16
Methylene chloride
Concen: 54.171 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

Tgt Ion: 84 Resp: 173947
Ion Ratio Lower Upper
84 100
86 65.1 44.3 82.3
49 138.5 94.9 176.3





#17

trans-1,2-Dichloroethene

Concen: 51.210 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

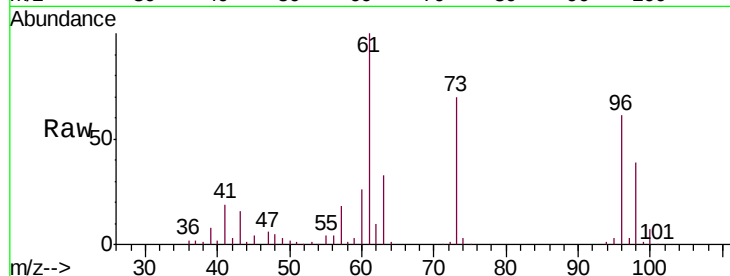
Tgt Ion: 96 Resp: 146343

Ion Ratio Lower Upper

96 100

61 163.6 108.6 201.8

98 63.9 42.3 78.5

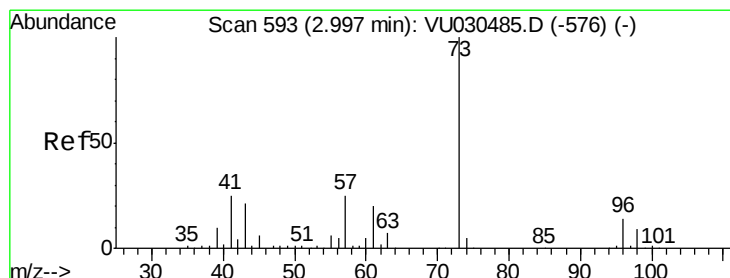
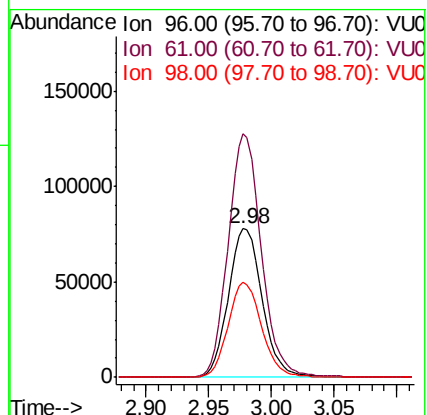
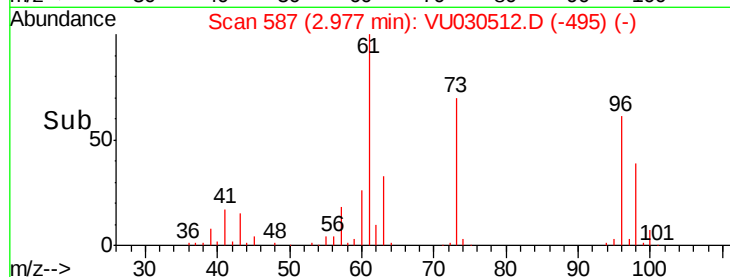


Abundance Ion 96.00 (95.70 to 96.70): VU030512.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030512.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030512.D (-574) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 53.826 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

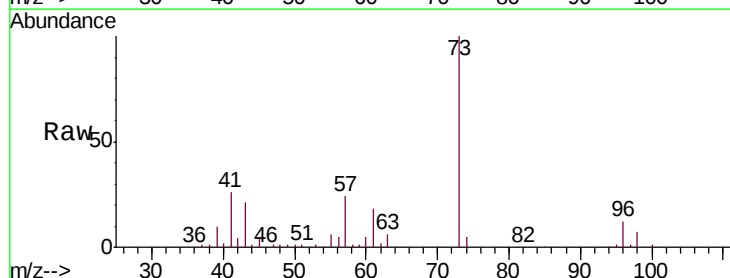
Tgt Ion: 73 Resp: 508671

Ion Ratio Lower Upper

73 100

43 20.8 16.6 24.8

57 24.0 18.9 28.3

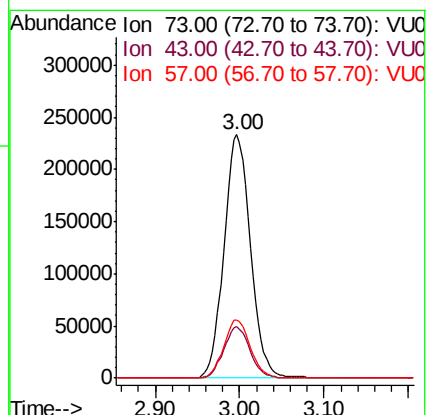
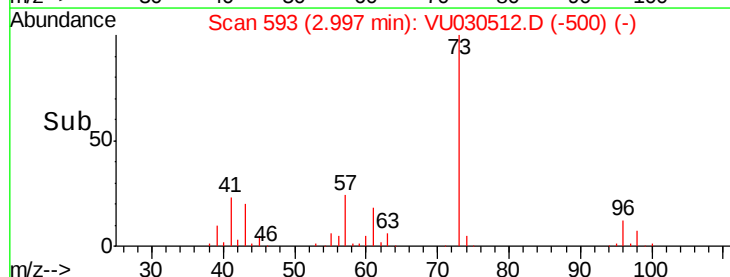


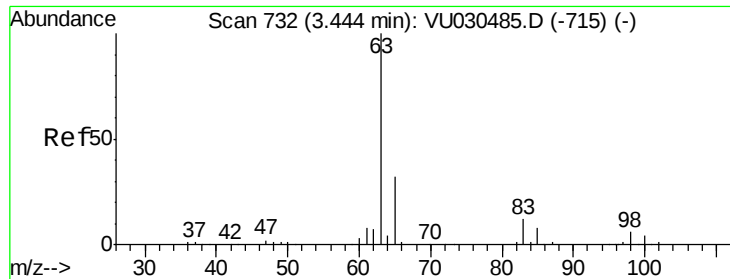
Abundance Ion 73.00 (72.70 to 73.70): VU030512.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU030512.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU030512.D (-500) (-)

Time-->

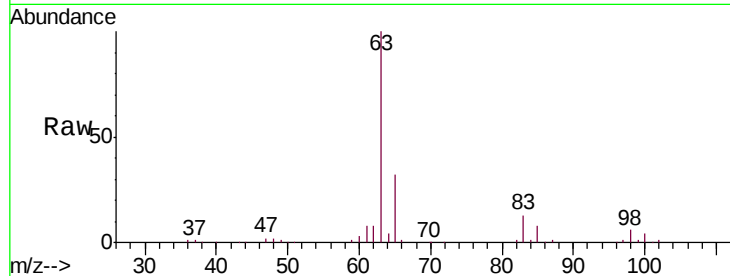




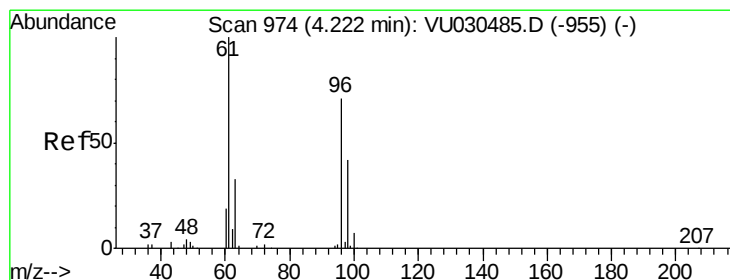
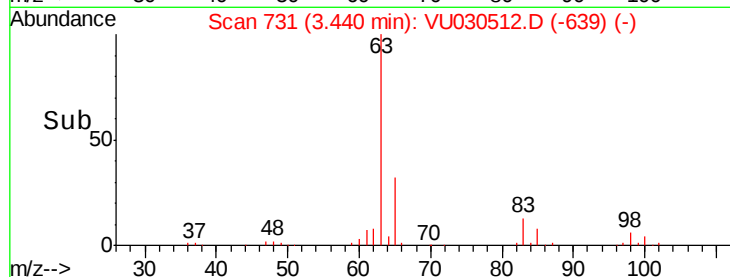
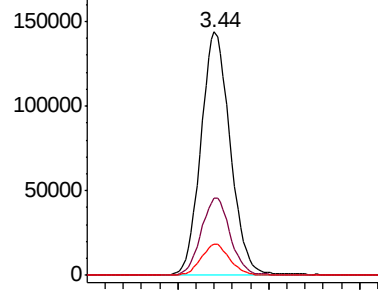
#19
 1,1-Dichloroethane
 Concen: 55.074 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion: 63 Resp: 322892
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 12.8 9.1 16.9

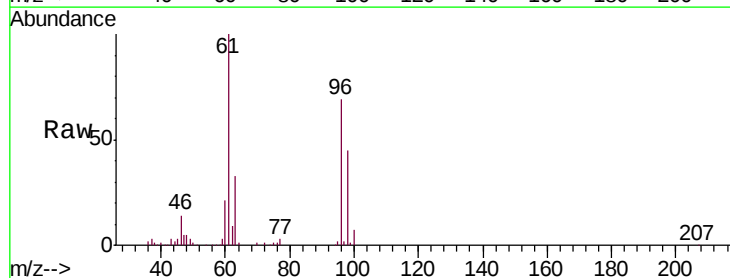


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

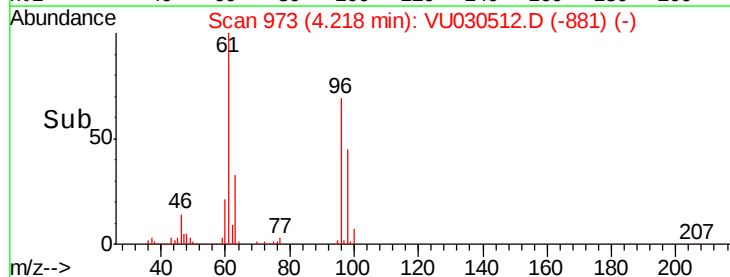
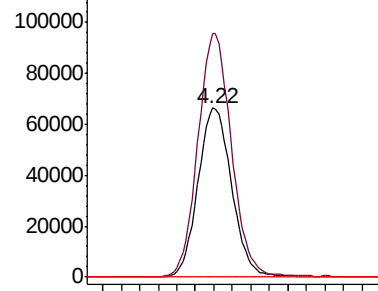


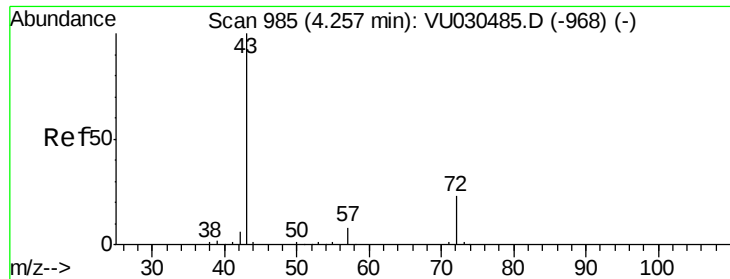
#20
 cis-1,2-Dichloroethene
 Concen: 52.271 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion: 96 Resp: 167523
 Ion Ratio Lower Upper
 96 100
 61 144.0 98.4 182.8
 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: 99.129 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampled :

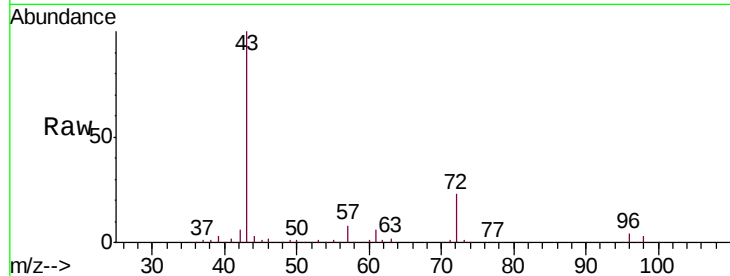
VSTD05038

Tgt Ion: 43 Resp: 349001

Ion Ratio Lower Upper

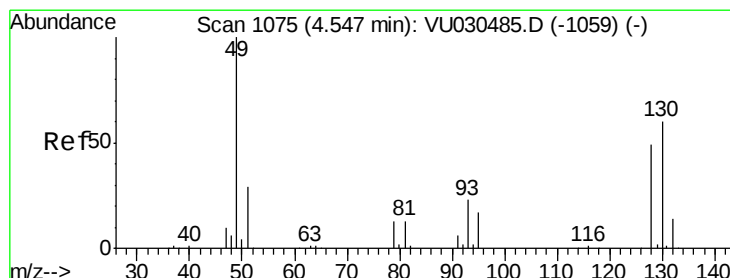
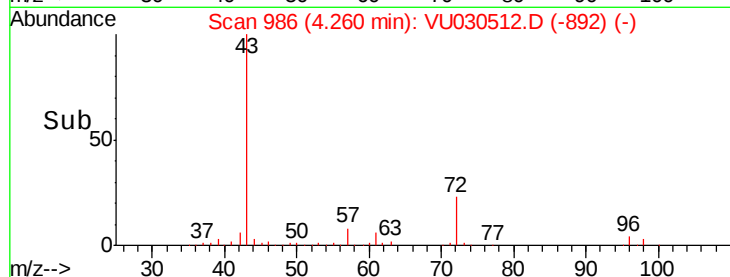
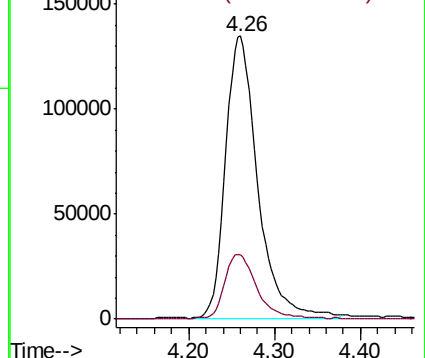
43 100

72 23.5 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030512.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VU030512.D (-892) (-)



#23

Bromochloromethane

Concen: 52.824 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Tgt Ion: 128 Resp: 78688

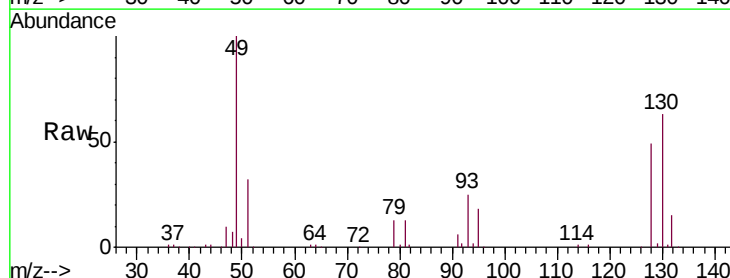
Ion Ratio Lower Upper

128 100

49 203.4 145.5 270.3

130 128.8 95.3 177.1

51 64.8 52.2 78.2

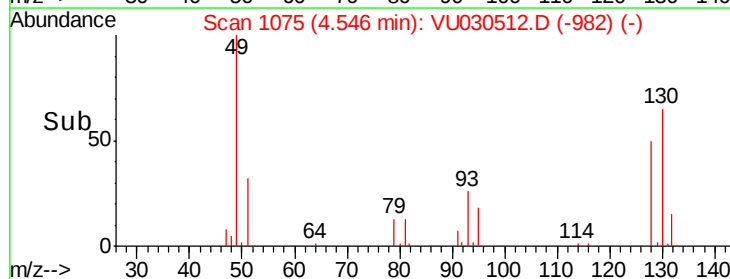
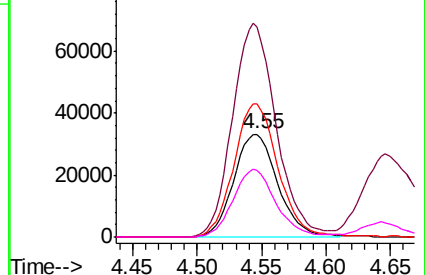


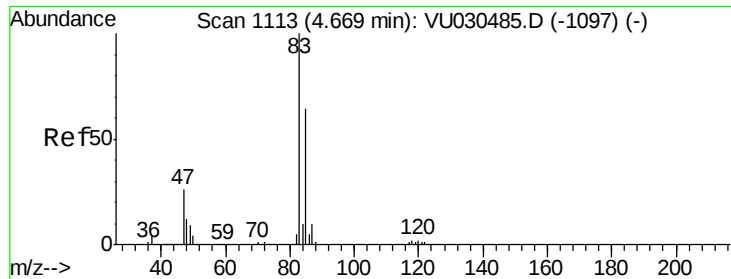
Abundance Ion 128.00 (127.70 to 128.70): VU030512.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU030512.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU030512.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU030512.D (-982) (-)





#25

Chloroform

Concen: 54.903 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

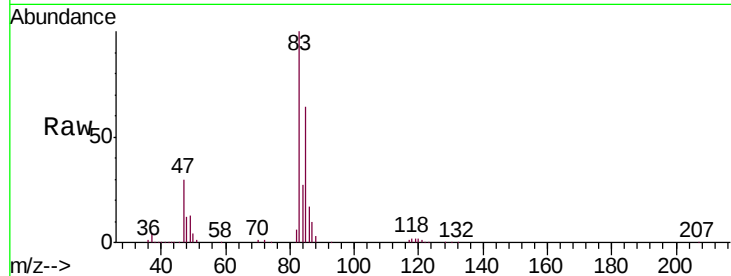
VSTD05038

Tgt Ion: 83 Resp: 306046

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030485.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU030485.D (-1097) (-)

4.67

150000

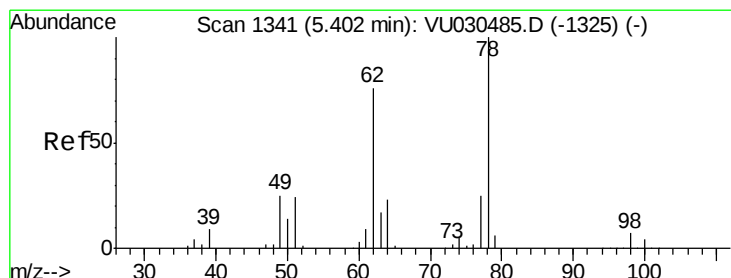
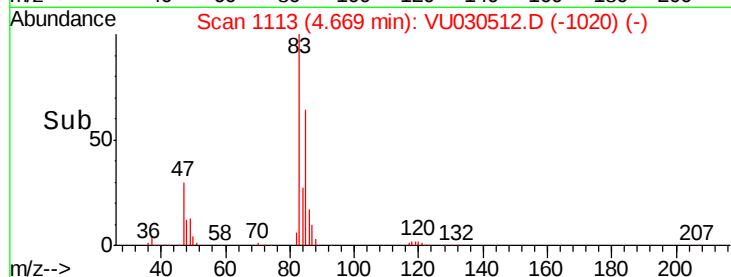
100000

50000

0

Time-->

4.60 4.70 4.80



#27

1,2-Dichloroethane

Concen: 56.309 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030512.D

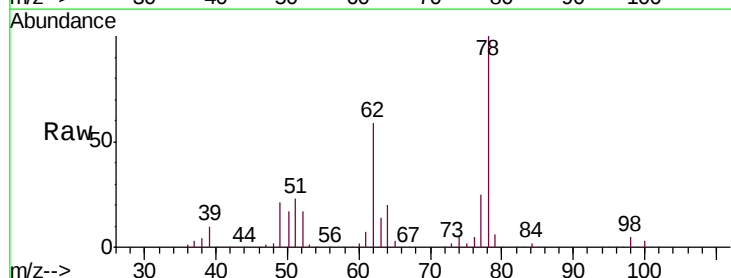
Acq: 28 Mar 2019 14:12

Tgt Ion: 62 Resp: 246301

Ion Ratio Lower Upper

62 100

98 8.7 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU030485.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU030485.D (-1325) (-)

5.40

120000

100000

80000

60000

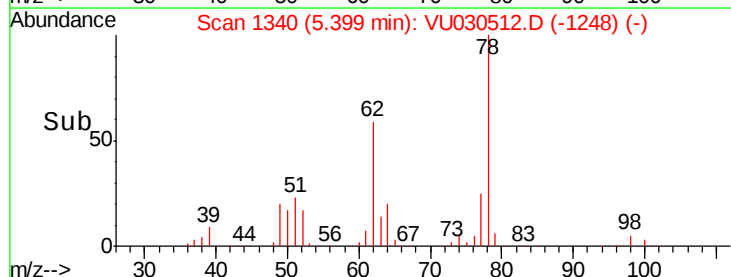
40000

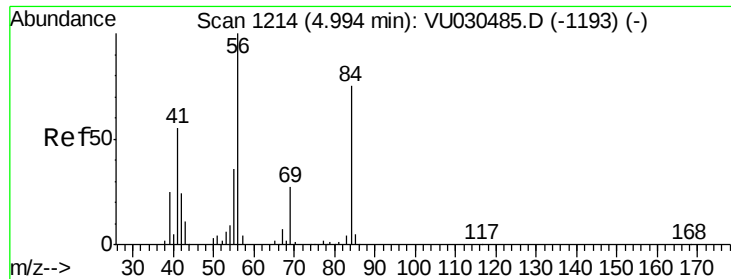
20000

0

Time-->

5.30 5.40 5.50

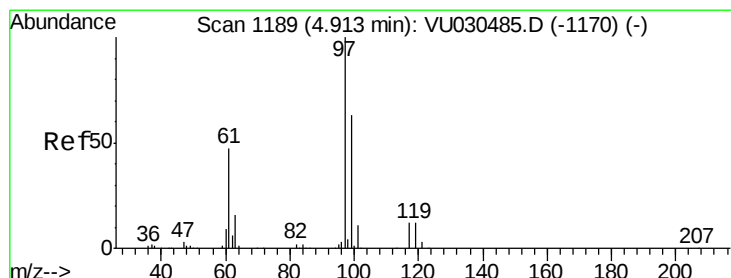
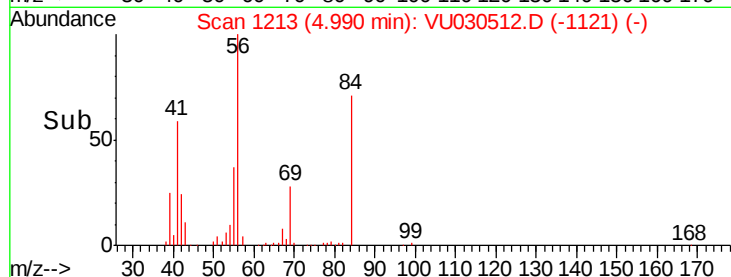
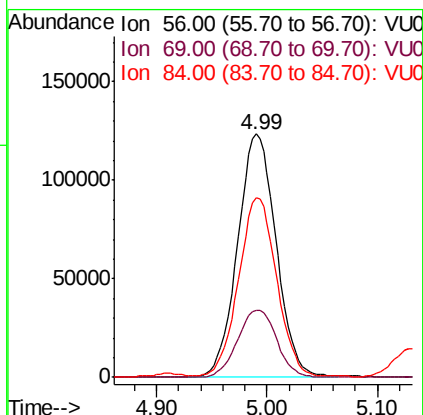
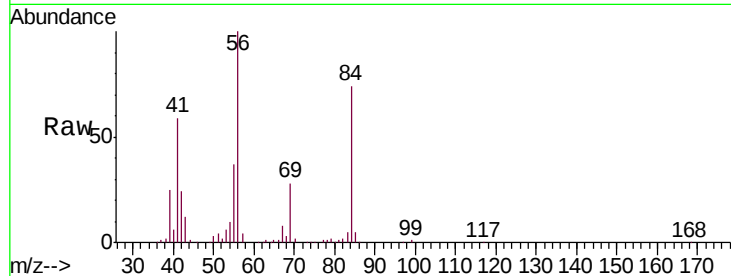




#29
Cyclohexane
Concen: 53.820 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

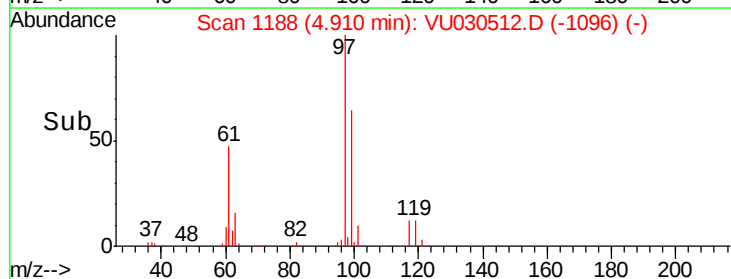
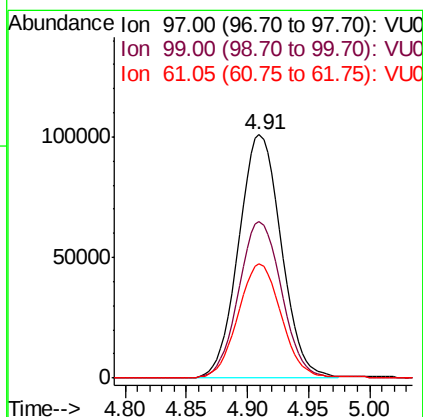
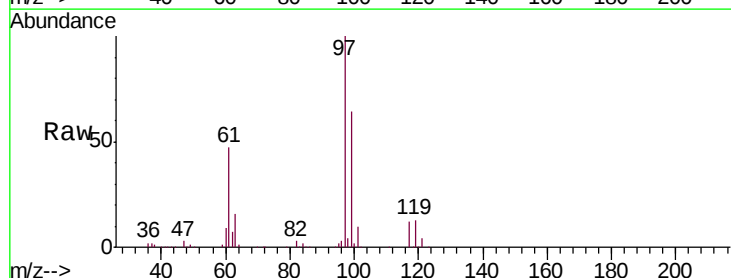
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

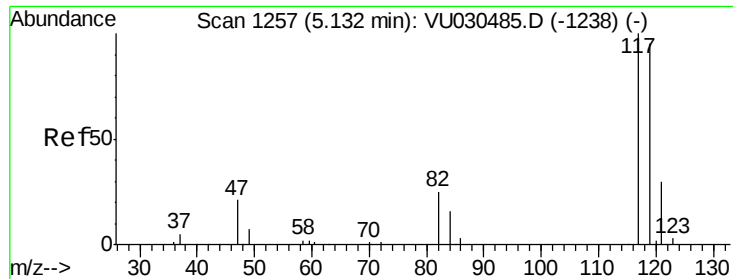
Tgt Ion: 56 Resp: 298926
Ion Ratio Lower Upper
56 100
69 28.1 22.9 34.3
84 73.1 58.9 88.3



#30
1,1,1-Trichloroethane
Concen: 54.481 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

Tgt Ion: 97 Resp: 244839
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 47.4 38.2 57.4





#31

Carbon tetrachloride

Concen: 54.525 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

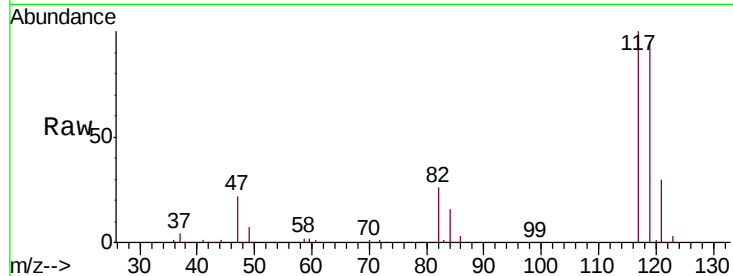
VSTD05038

Tgt Ion:117 Resp: 207694

Ion Ratio Lower Upper

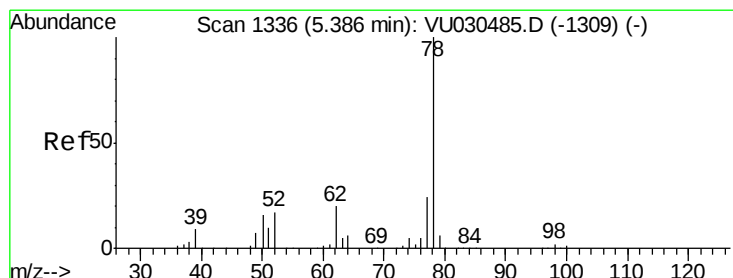
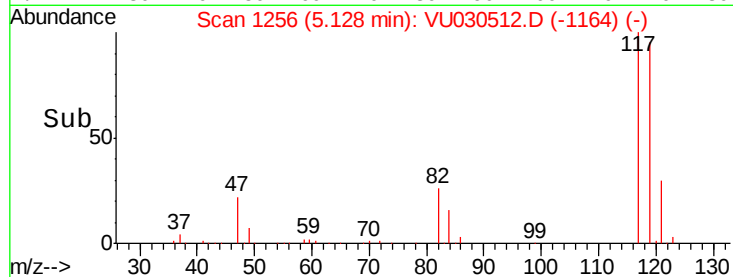
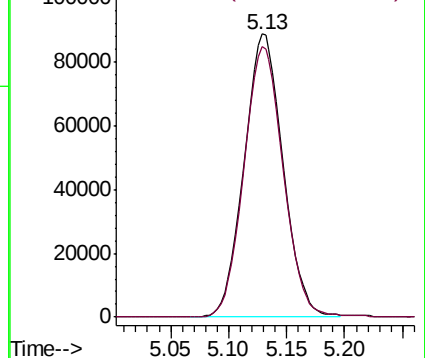
117 100

119 96.6 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.120 ug/L

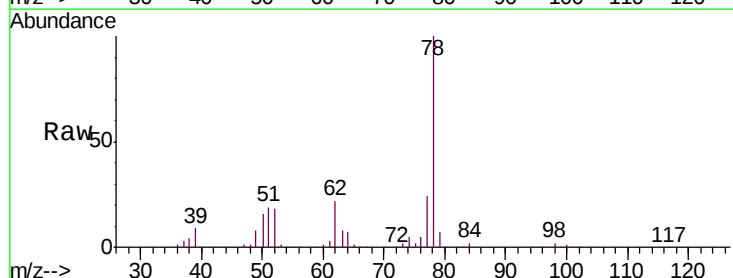
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

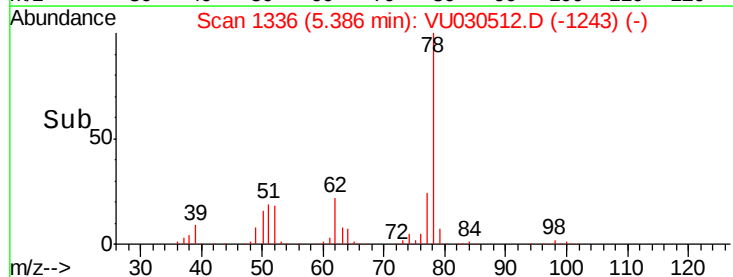
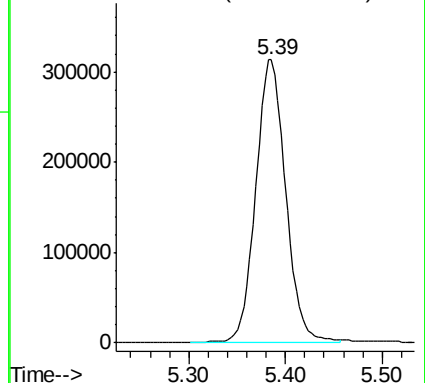
Lab File: VU030512.D

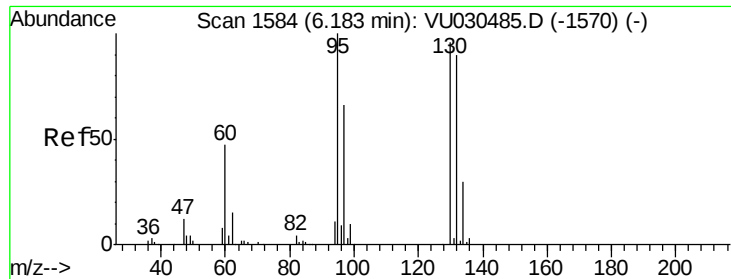
Acq: 28 Mar 2019 14:12

Tgt Ion: 78 Resp: 676164



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.007 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

Tgt Ion: 95 Resp: 159734

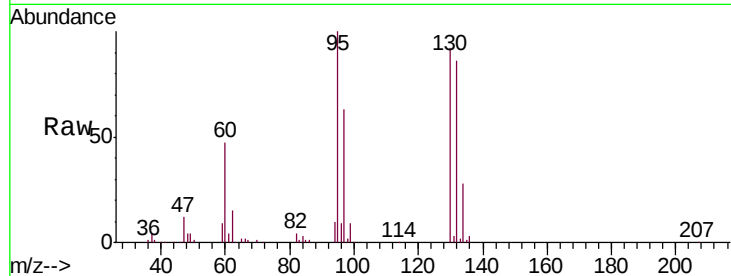
Ion Ratio Lower Upper

95 100

97 62.7 45.7 84.9

132 86.1 63.8 118.4

130 91.9 65.7 121.9

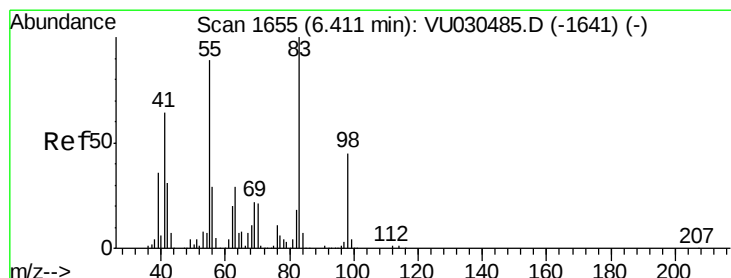
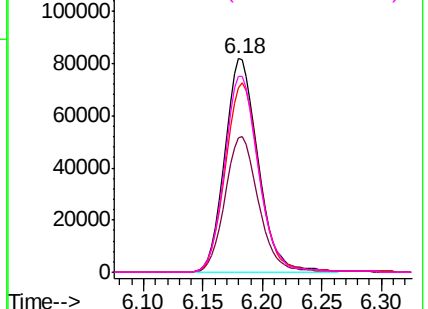
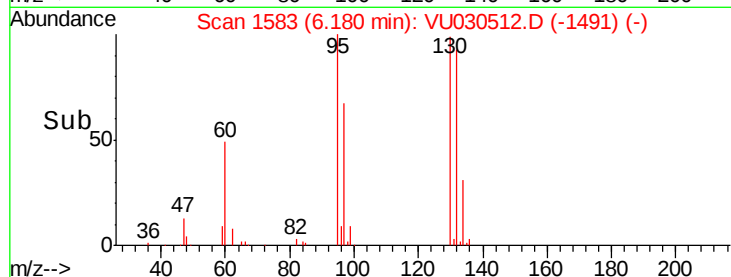


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.727 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

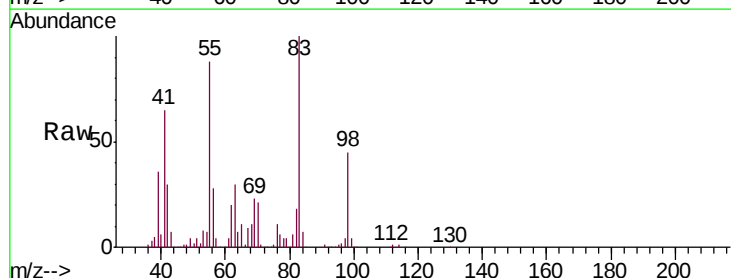
Tgt Ion: 83 Resp: 271544

Ion Ratio Lower Upper

83 100

55 88.2 71.4 107.0

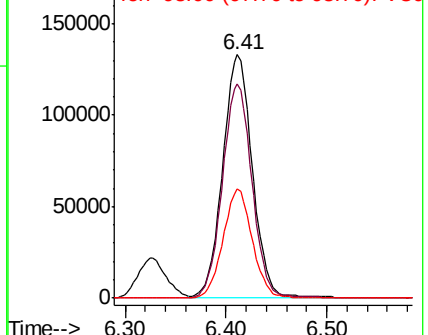
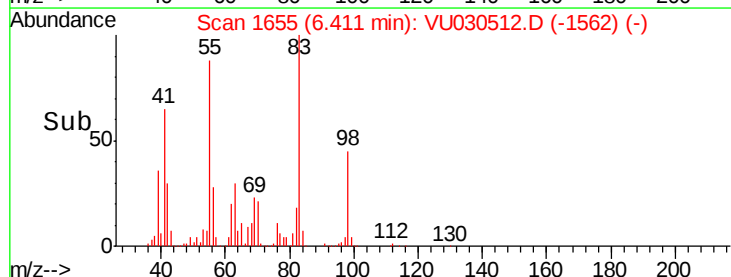
98 44.4 36.0 54.0

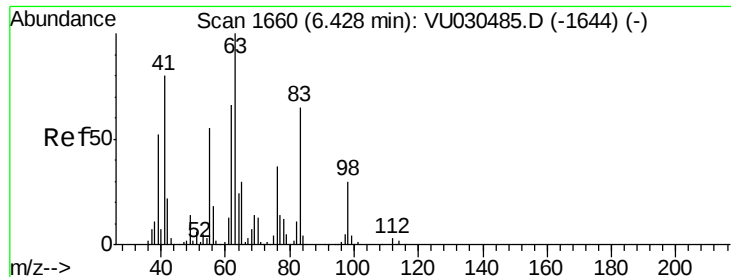


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

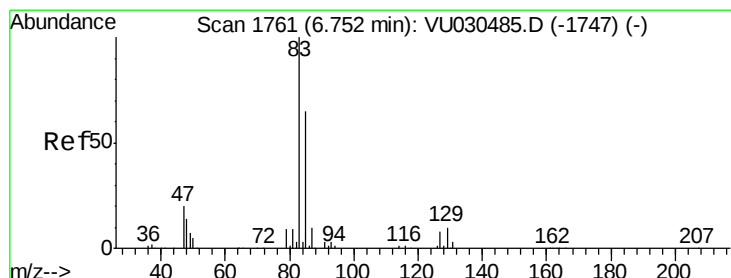
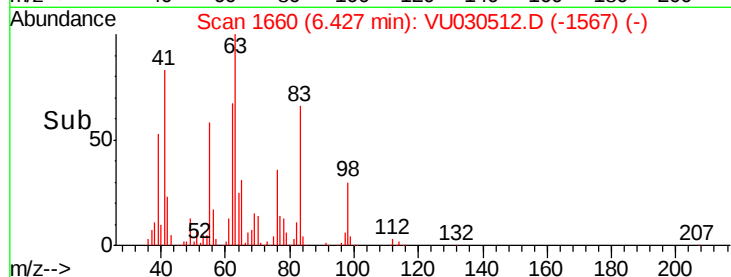
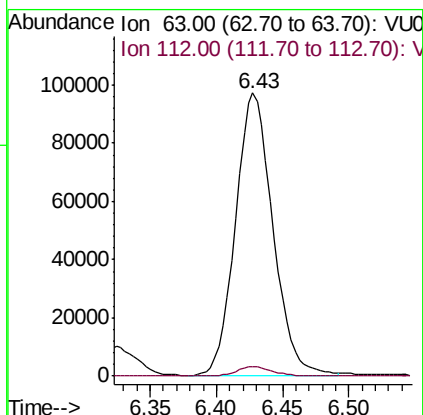
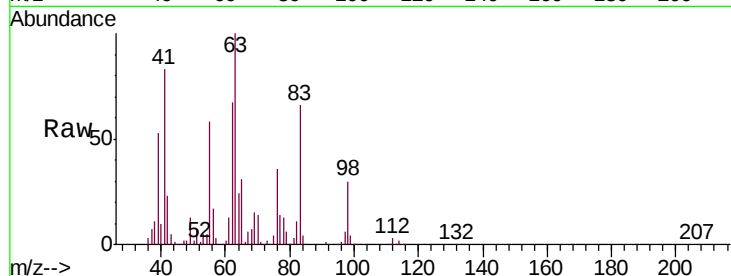




#37
 1,2-Dichloropropane
 Concen: 53.654 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

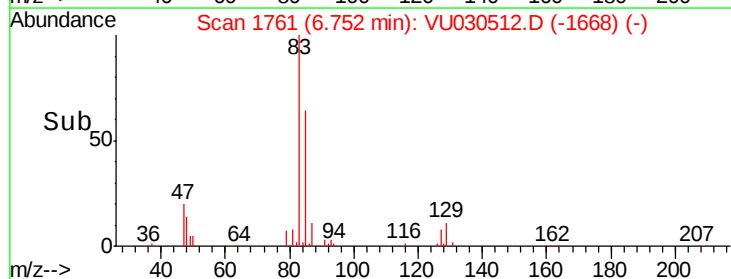
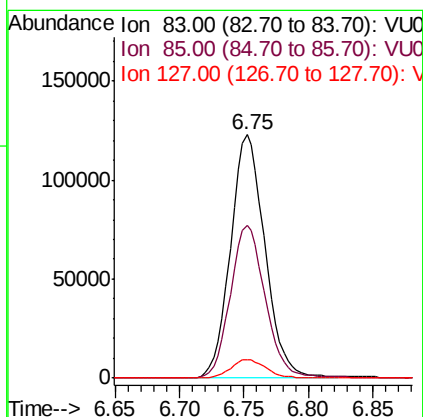
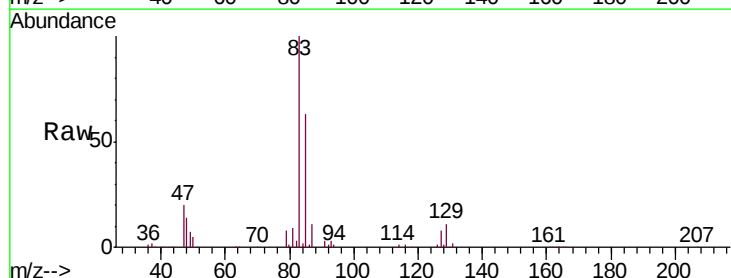
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

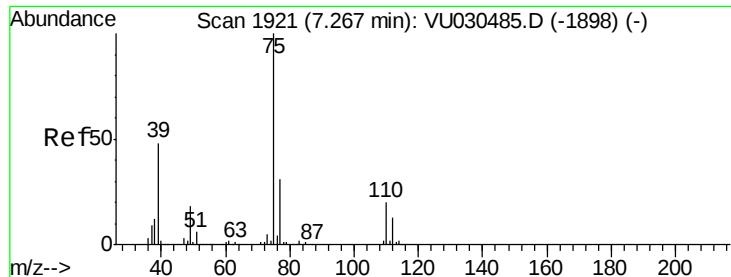
Tgt Ion: 63 Resp: 190236
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 4.0



#38
 Bromodichloromethane
 Concen: 54.172 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion: 83 Resp: 228223
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.0 83.6
 127 7.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 54.225 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

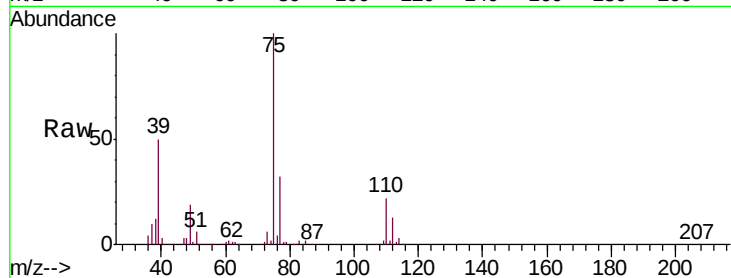
VSTD05038

Tgt Ion: 75 Resp: 276345

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU030512.D (-1828) (-)

Ion 77.00 (76.70 to 77.70): VU030512.D (-1828) (-)

7.26

150000

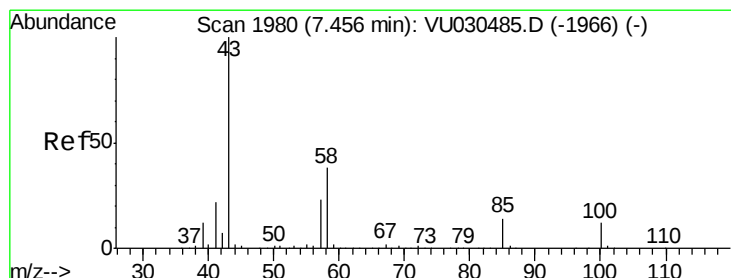
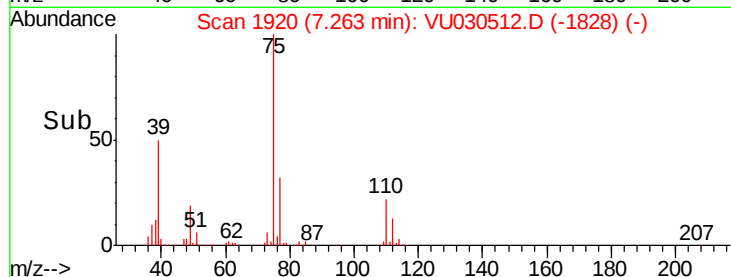
100000

50000

0

7.20 7.30 7.40

Time-->



#40

4-Methyl-2-pentanone

Concen: 100.283 ug/L

RT: 7.46 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

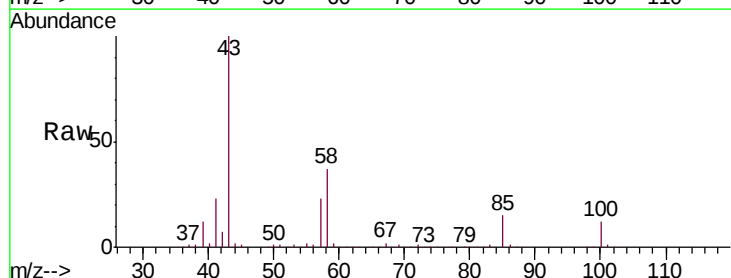
Tgt Ion: 43 Resp: 597245

Ion Ratio Lower Upper

43 100

58 37.0 30.6 45.8

100 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VU030512.D (-1887) (-)

Ion 58.00 (57.70 to 58.70): VU030512.D (-1887) (-)

Ion 100.00 (99.70 to 100.70): VU030512.D (-1887) (-)

7.46

400000

300000

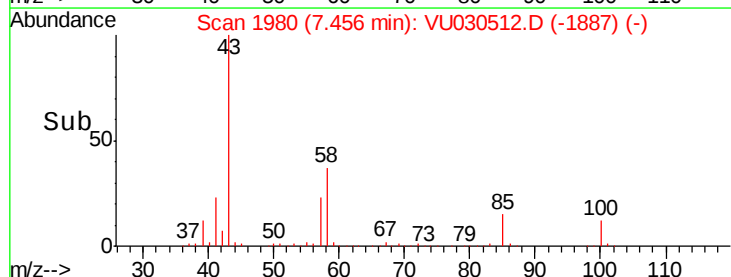
200000

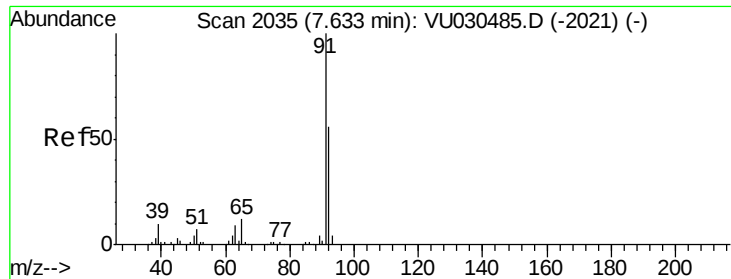
100000

0

7.40 7.45 7.50 7.55

Time-->





#42

Toluene

Concen: 54.544 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

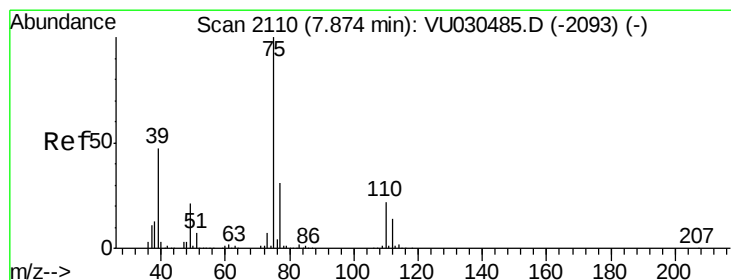
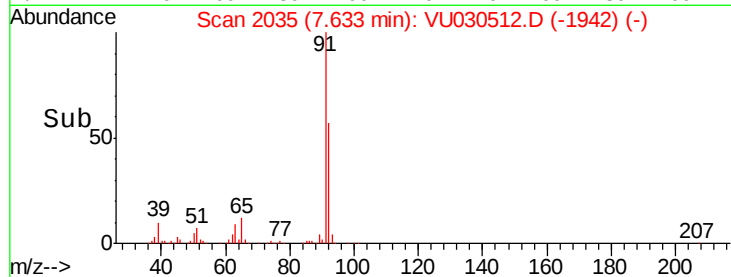
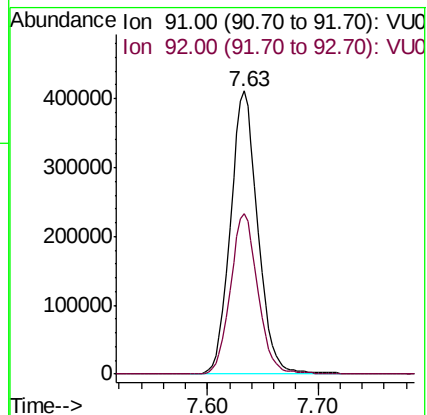
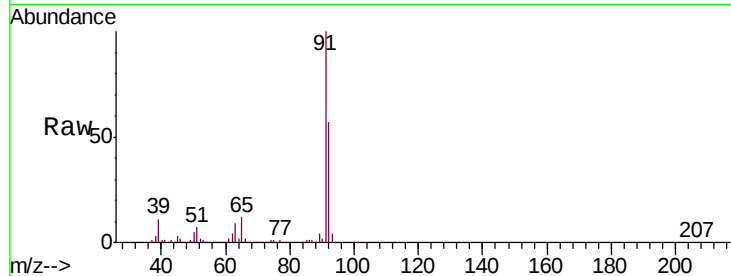
VSTD05038

Tgt Ion: 91 Resp: 707246

Ion Ratio Lower Upper

91 100

92 56.8 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 54.395 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030512.D

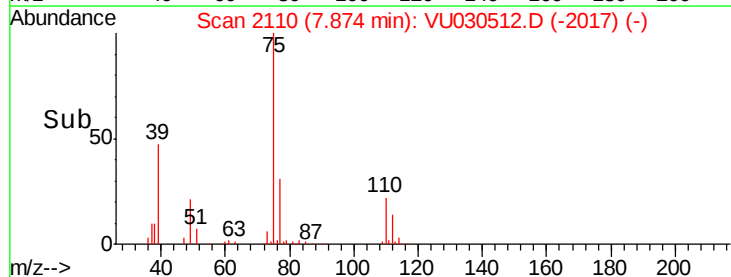
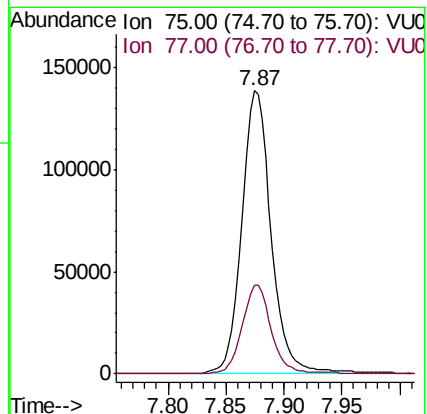
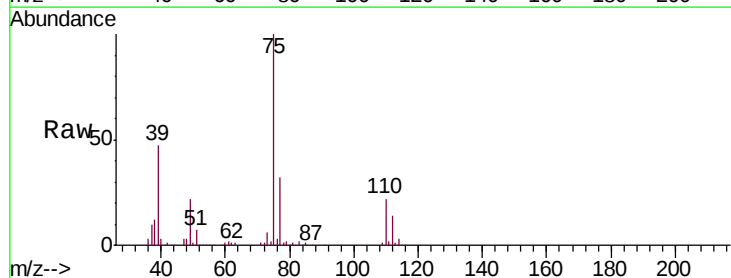
Acq: 28 Mar 2019 14:12

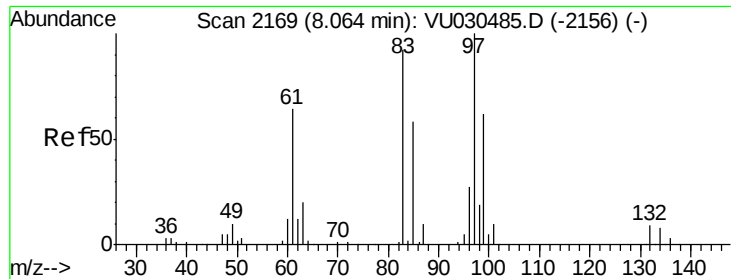
Tgt Ion: 75 Resp: 243918

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

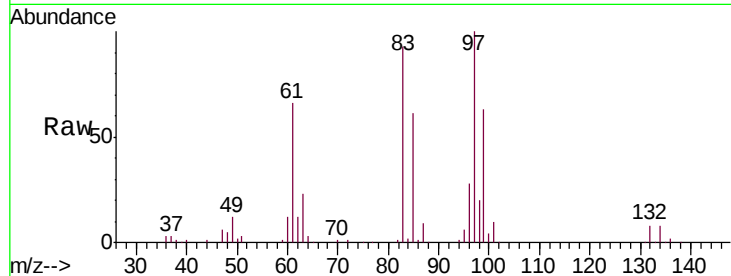




#45
 1,1,2-Trichloroethane
 Concen: 53.281 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

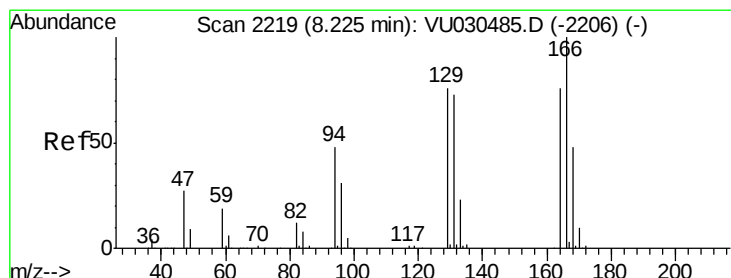
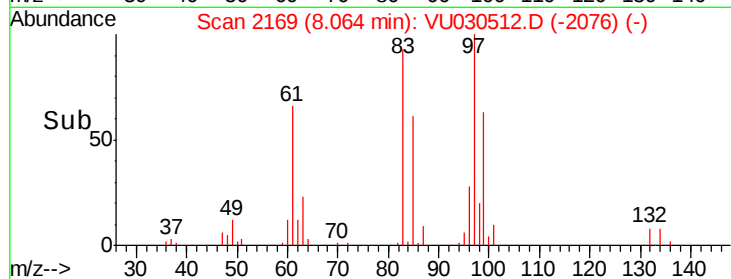
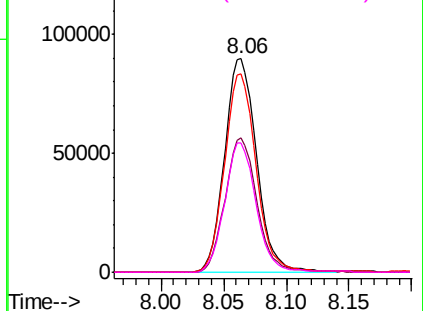
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion:	97	Resp:	159621
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	93.1	65.3	121.3
85	60.8	41.8	77.6



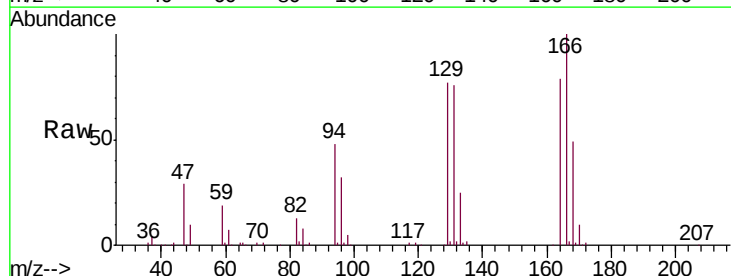
Abundance

Ion 97.00 (96.70 to 97.70): VU030512.D (-2156) (-)



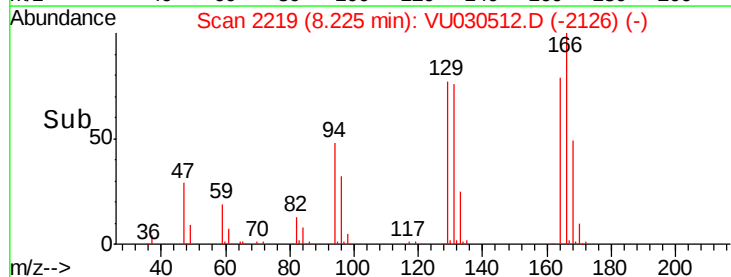
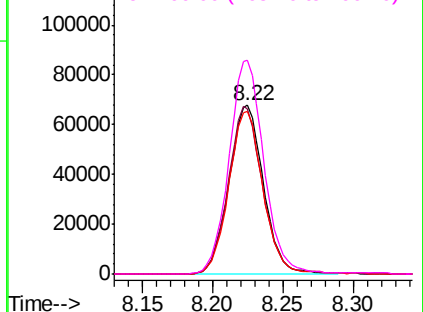
#46
 Tetrachloroethene
 Concen: 54.049 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

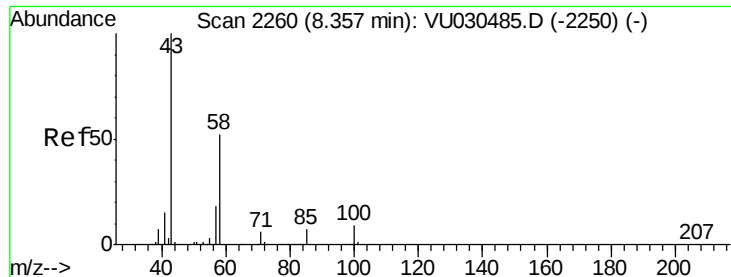
Tgt Ion:	164	Resp:	115947
Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.1	126.5
131	96.6	67.7	125.7
166	126.8	92.4	171.6



Abundance

Ion 164.00 (163.70 to 164.70): VU030512.D (-2206) (-)

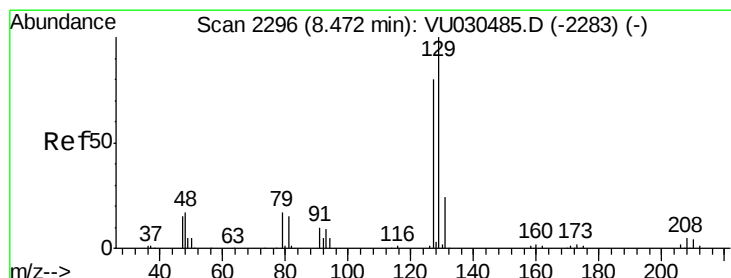
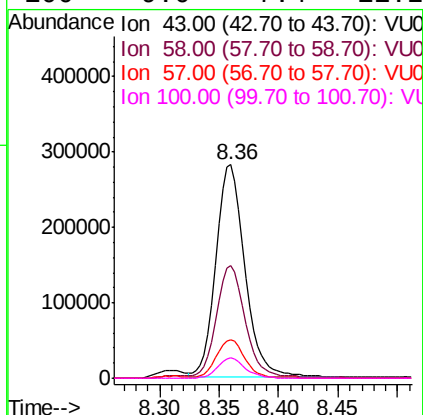
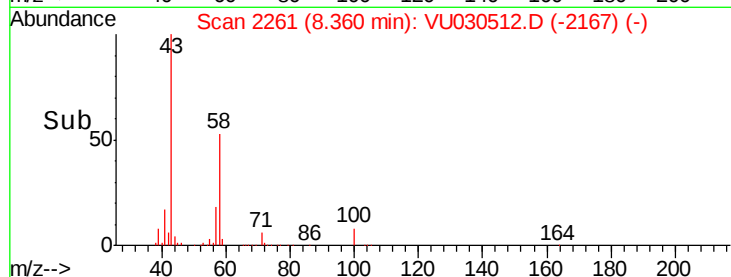
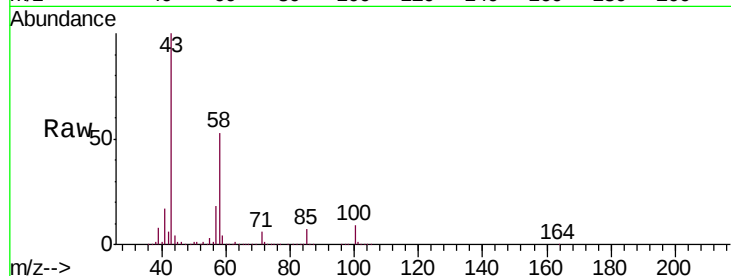




#48
2-Hexanone
Concen: 98.263 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

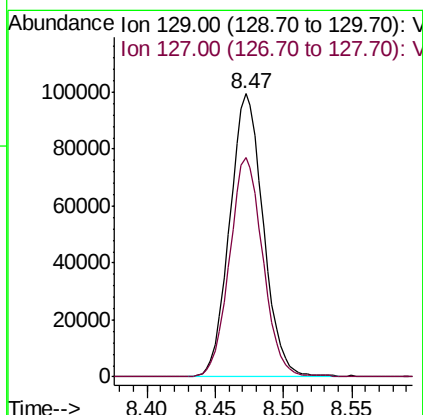
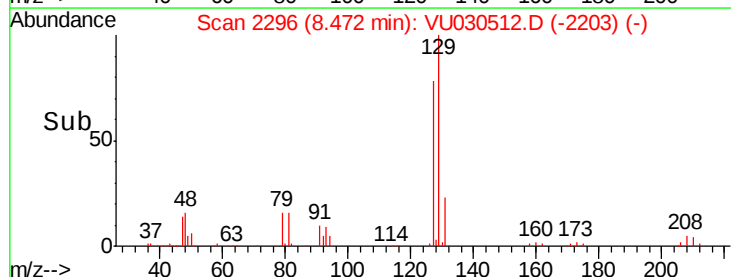
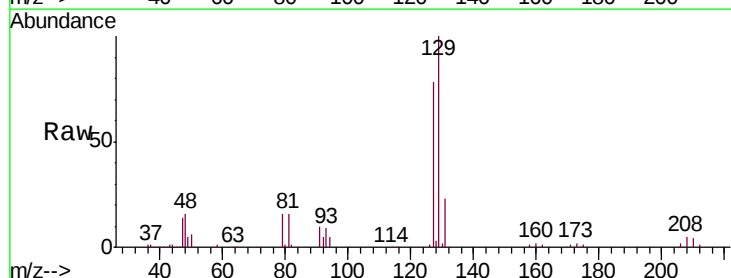
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

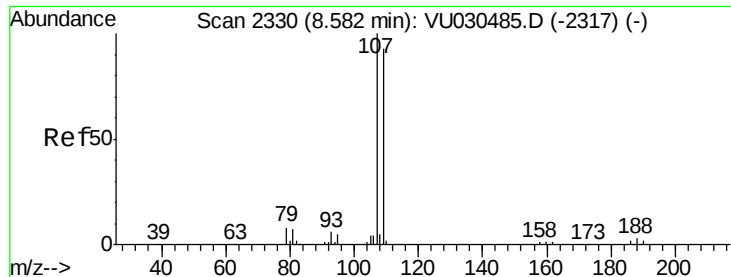
Tgt Ion: 43 Resp: 479635
Ion Ratio Lower Upper
43 100
58 54.3 42.5 63.7
57 17.5 15.0 22.6
100 9.0 7.4 11.2



#49
Dibromochloromethane
Concen: 54.735 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030512.D
Acq: 28 Mar 2019 14:12

Tgt Ion: 129 Resp: 170384
Ion Ratio Lower Upper
129 100
127 77.7 53.2 98.8

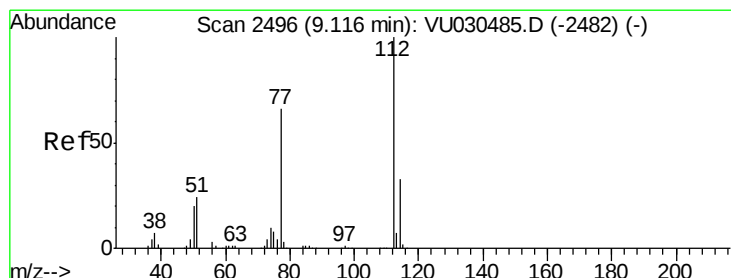
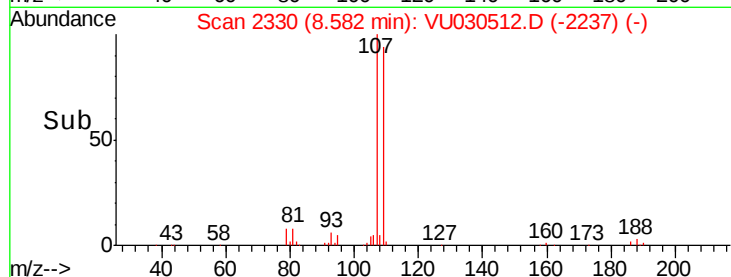
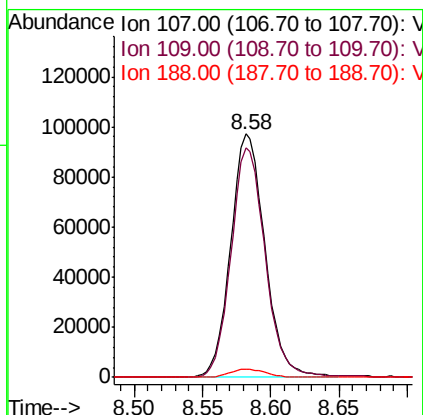
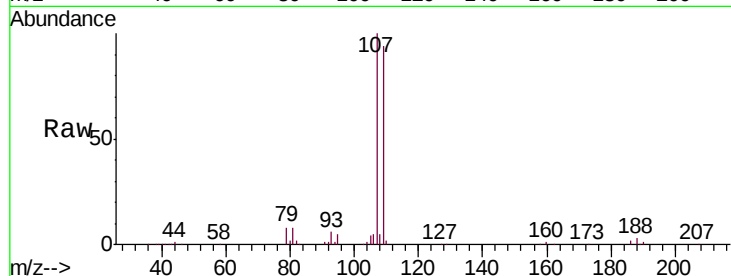




#50
 1,2-Dibromoethane
 Concen: 52.728 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

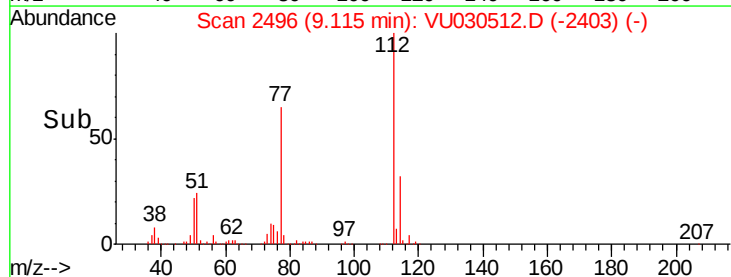
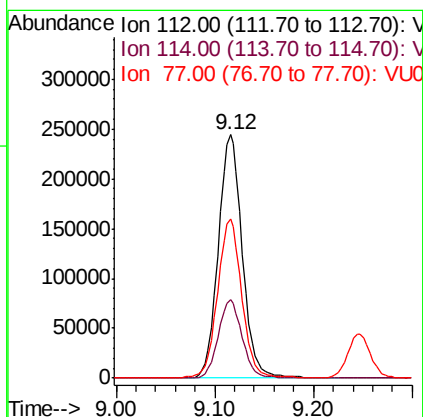
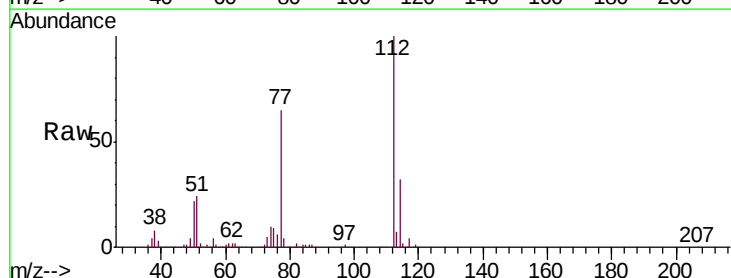
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

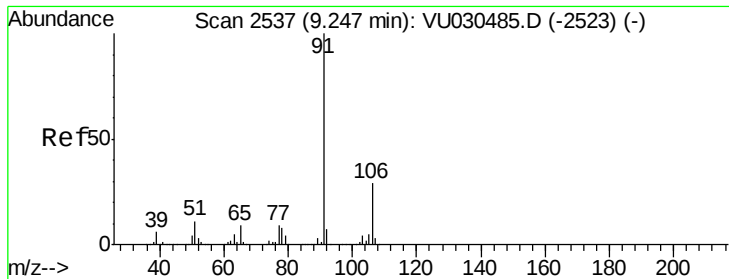
Tgt Ion:107 Resp: 169530
 Ion Ratio Lower Upper
 107 100
 109 94.4 65.8 122.2
 188 3.3 2.6 4.0



#51
 Chlorobenzene
 Concen: 52.942 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion:112 Resp: 416041
 Ion Ratio Lower Upper
 112 100
 114 32.0 21.5 39.9
 77 65.4 51.4 77.0





#52

Ethylbenzene

Concen: 54.491 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

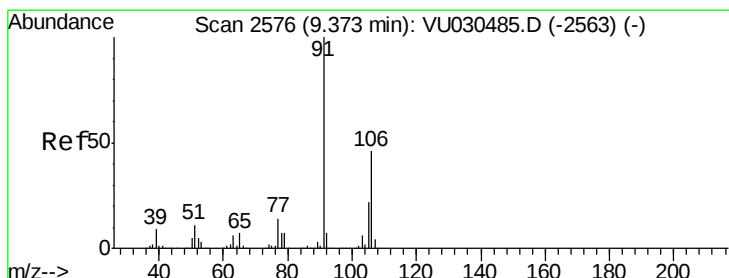
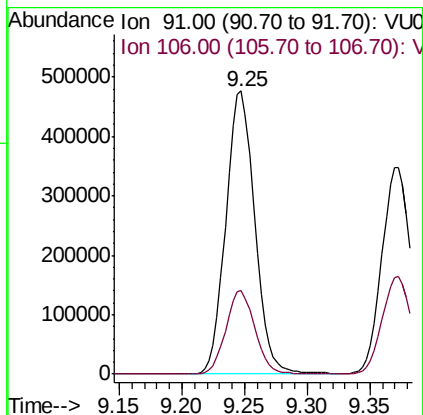
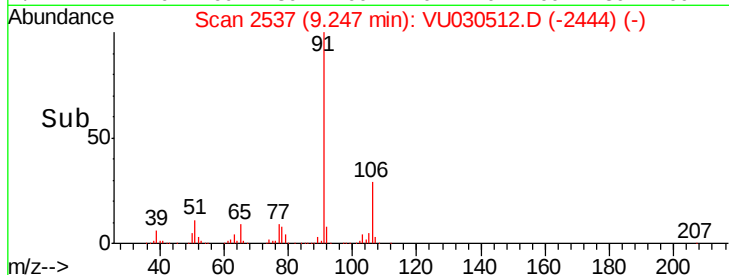
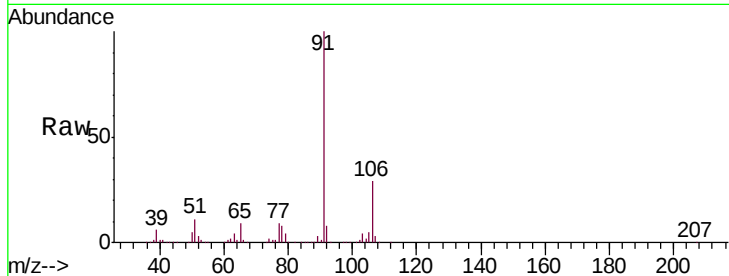
VSTD05038

Tgt Ion: 91 Resp: 765392

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 54.418 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030512.D

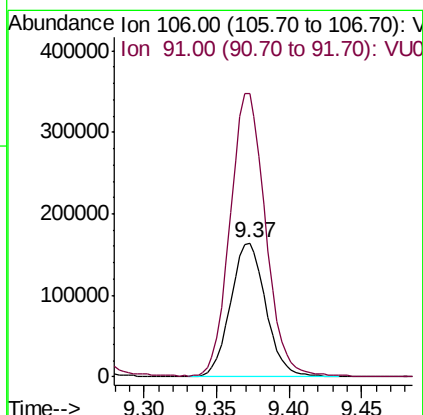
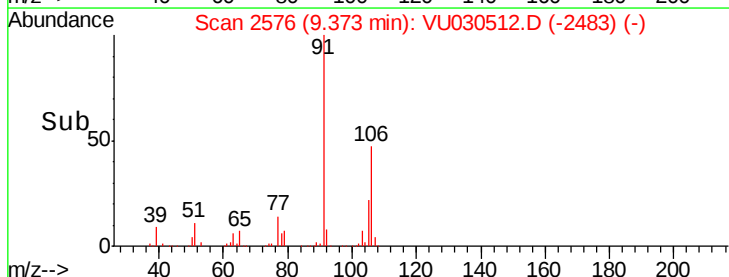
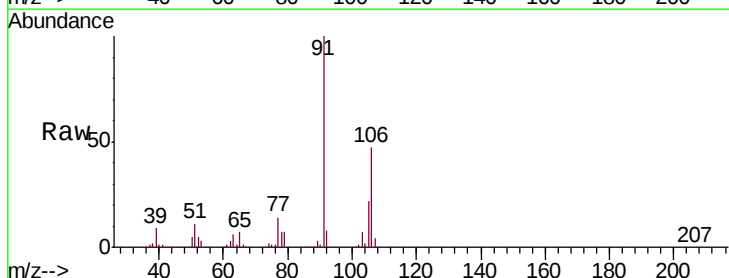
Acq: 28 Mar 2019 14:12

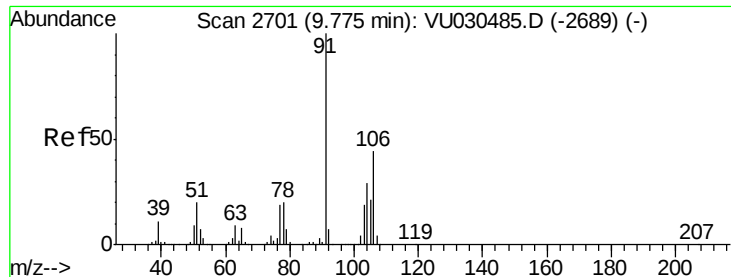
Tgt Ion: 106 Resp: 275993

Ion Ratio Lower Upper

106 100

91 210.9 151.2 280.8





#54

o-xylene

Concen: 54.509 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

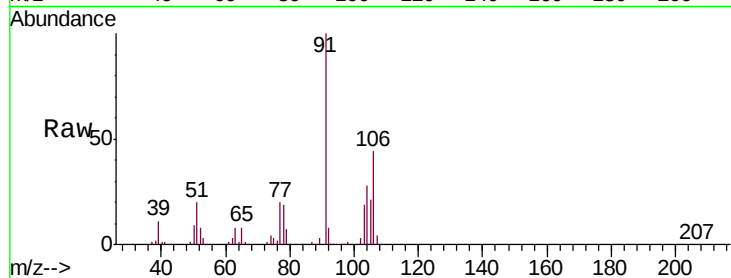
VSTD05038

Tgt Ion:106 Resp: 269747

Ion Ratio Lower Upper

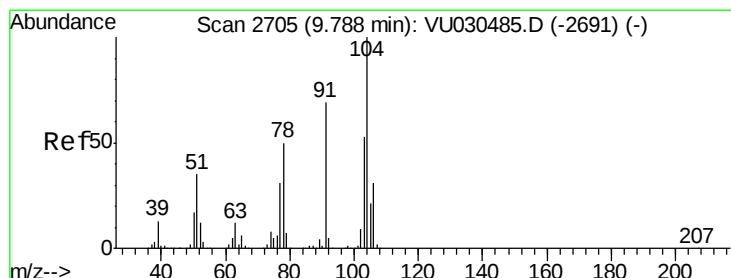
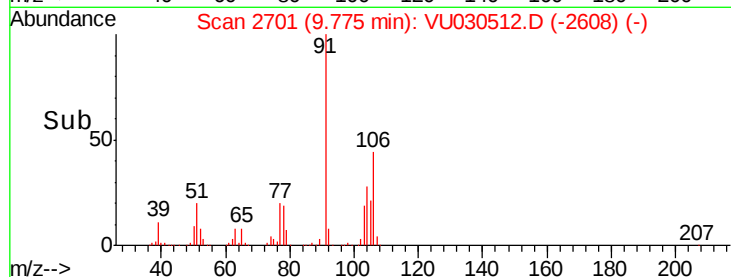
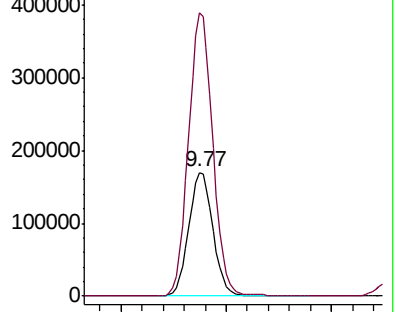
106 100

91 228.9 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.209 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030512.D

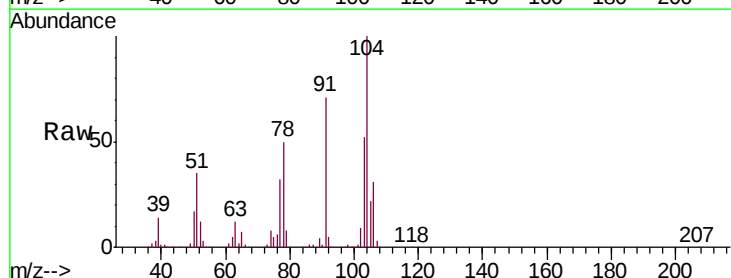
Acq: 28 Mar 2019 14:12

Tgt Ion:104 Resp: 470635

Ion Ratio Lower Upper

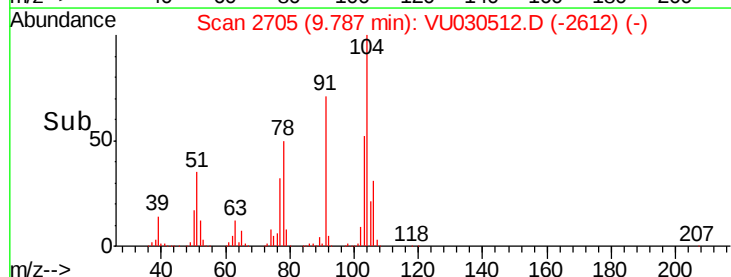
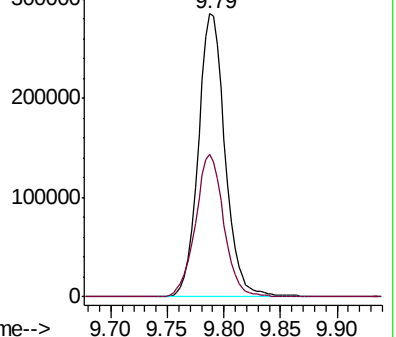
104 100

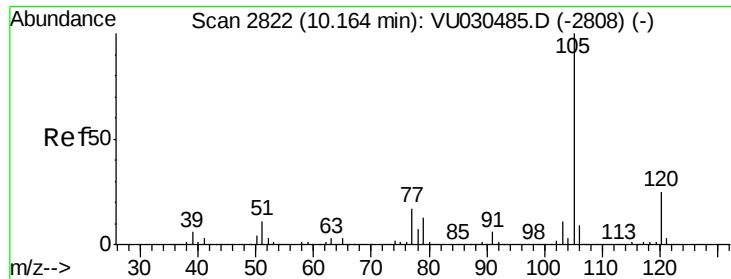
78 50.2 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.655 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

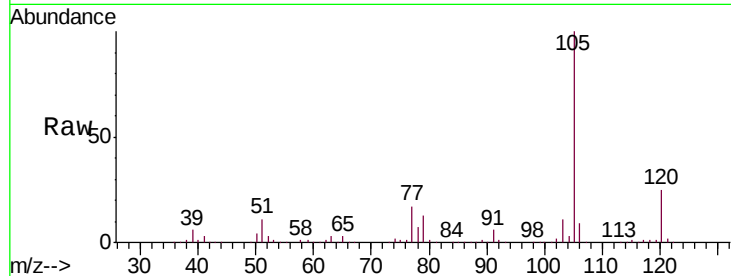
Tgt Ion: 105 Resp: 716163

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

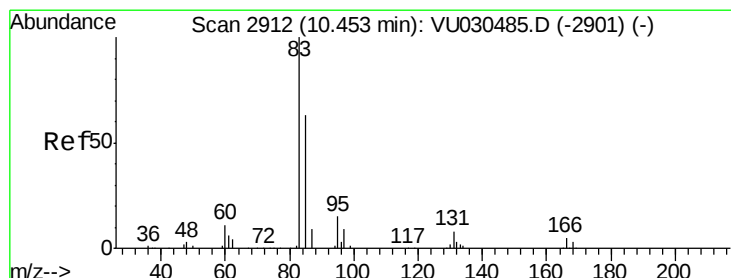
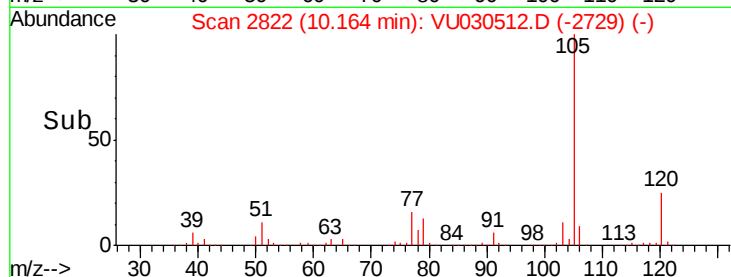
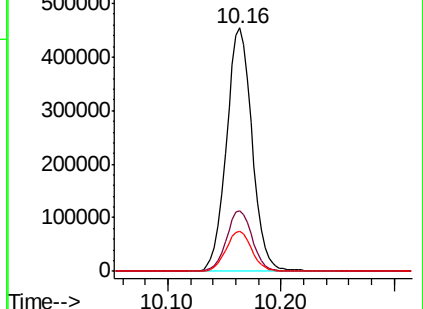
77 16.8 13.2 19.8



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: 53.850 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

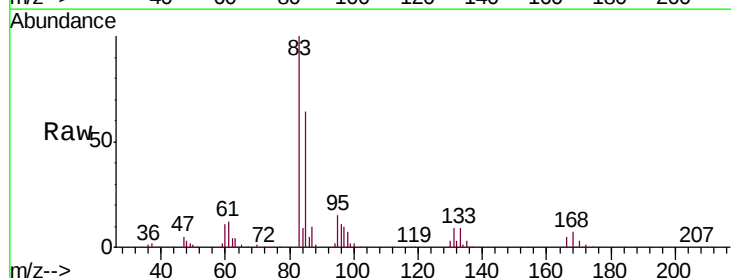
Tgt Ion: 83 Resp: 297328

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

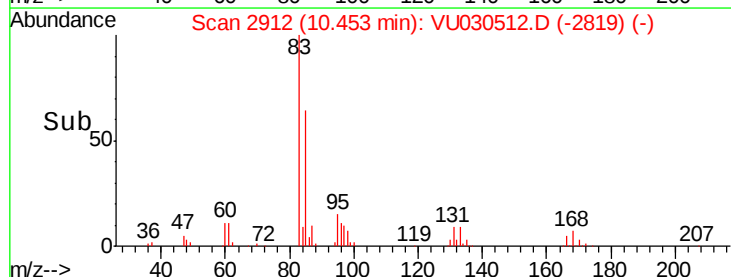
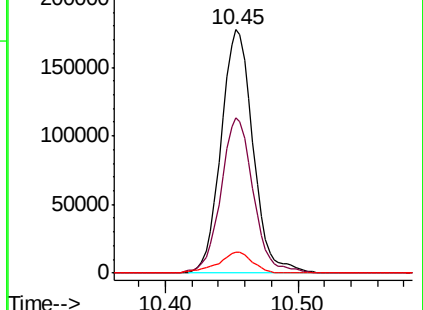
131 8.7 6.7 10.1

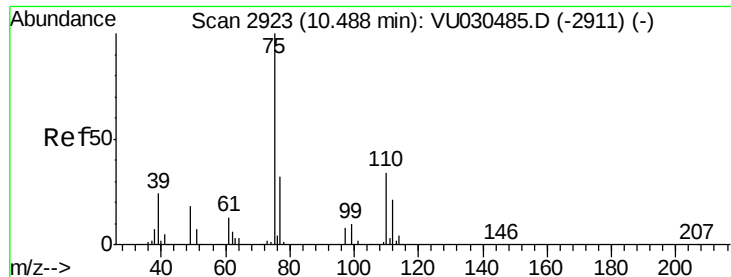


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

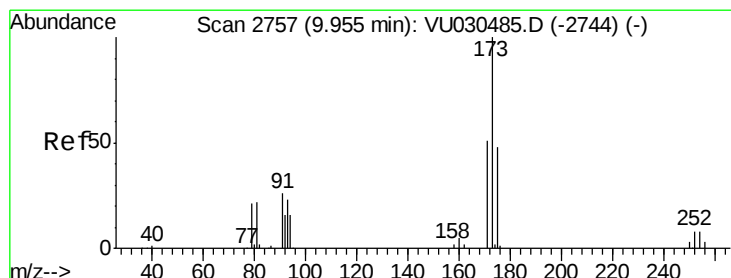
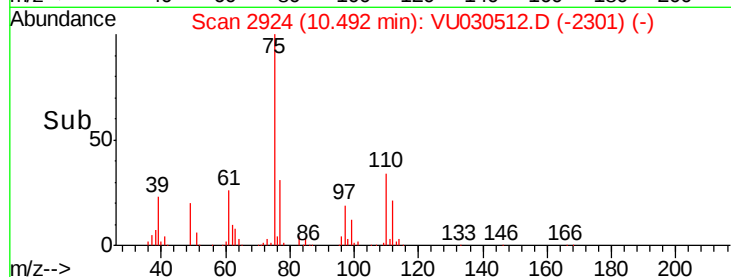
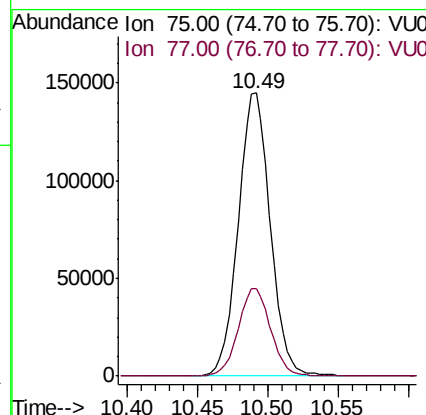
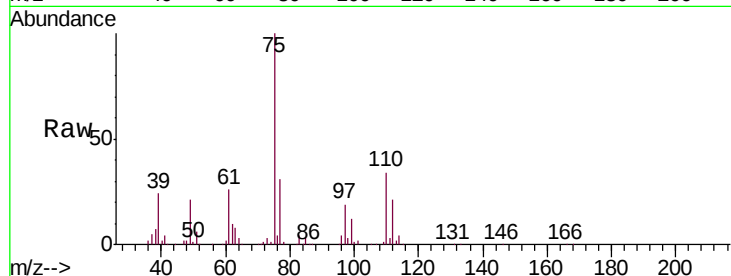




#59
 1,2,3-Trichloropropane
 Concen: 53.393 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

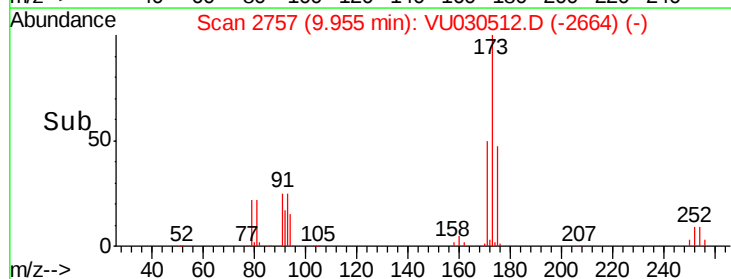
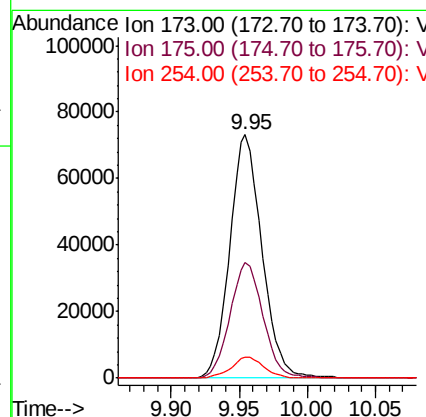
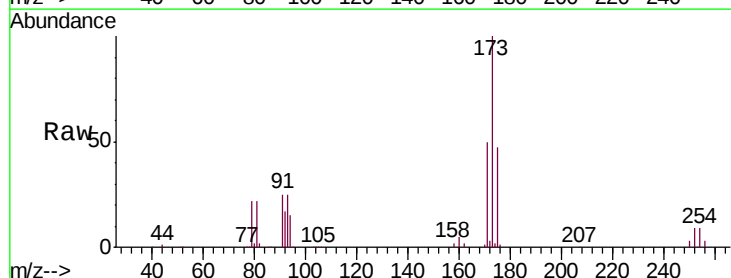
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

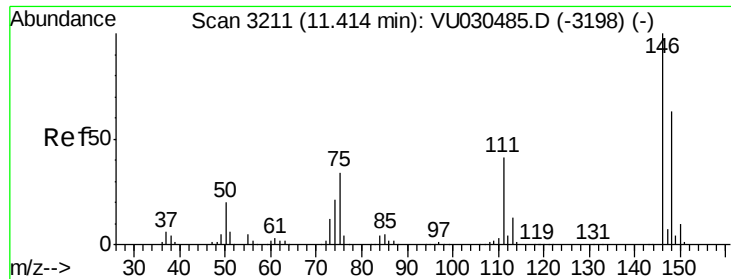
Tgt Ion: 75 Resp: 230426
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#61
 Bromoform
 Concen: 52.469 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion: 173 Resp: 120184
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.5 57.7
 254 8.6 6.8 10.2

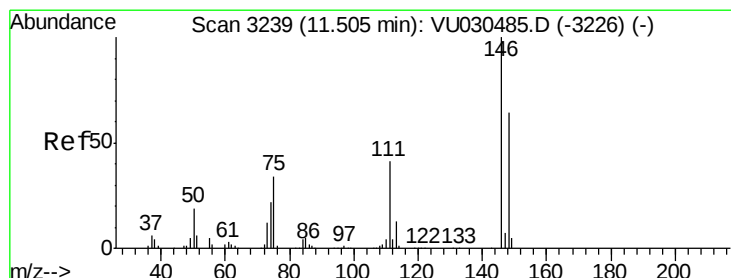
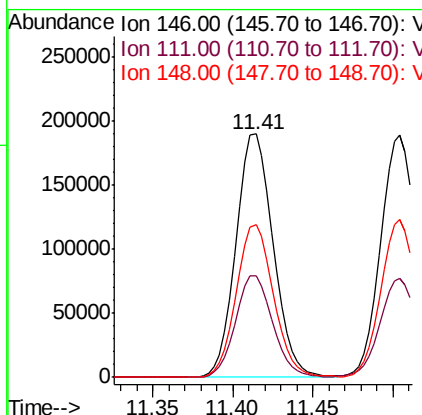
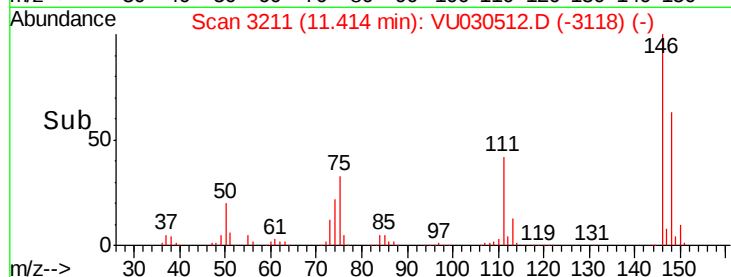
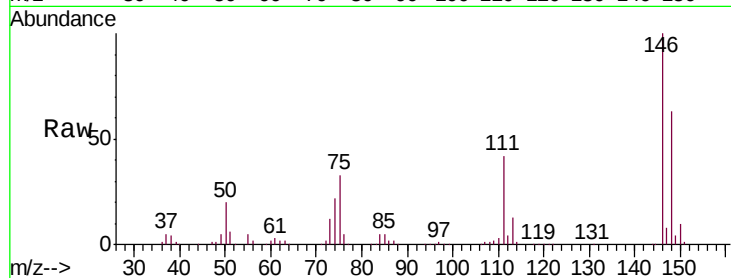




#62
 1,3-Dichlorobenzene
 Concen: 53.404 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

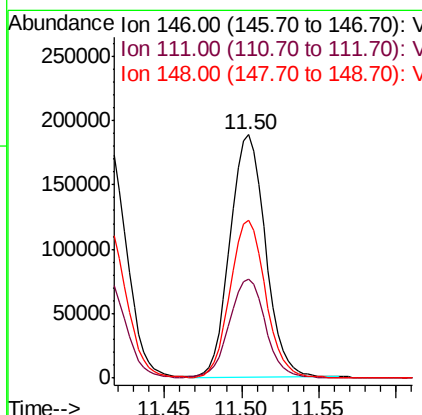
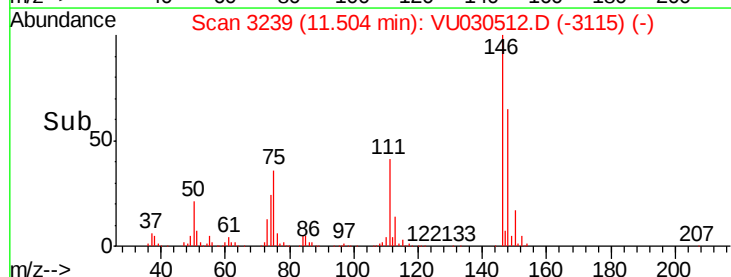
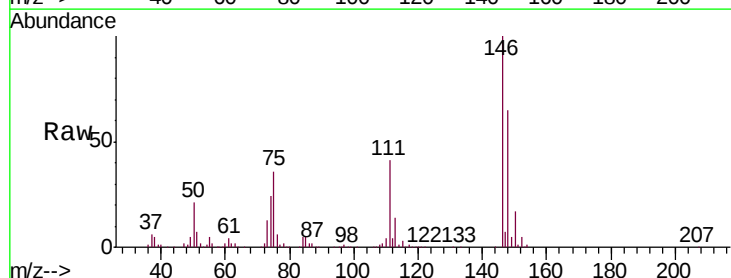
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

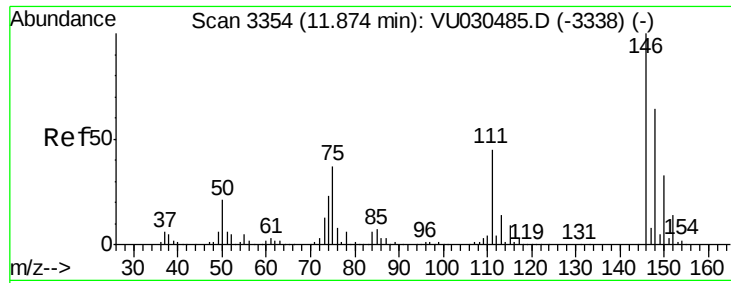
Tgt Ion:146 Resp: 300882
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.2 54.2
 148 62.9 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 51.674 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion:146 Resp: 299717
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 65.0 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 55.028 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

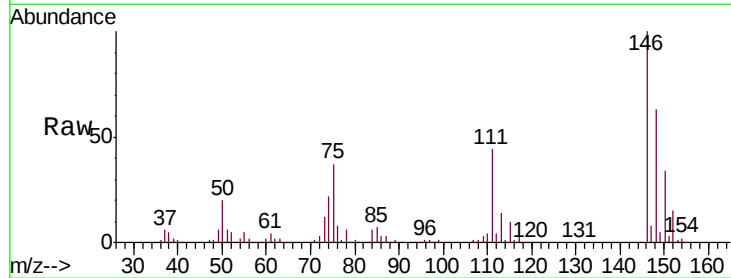
Tgt Ion: 146 Resp: 313493

Ion Ratio Lower Upper

146 100

111 44.1 34.9 52.3

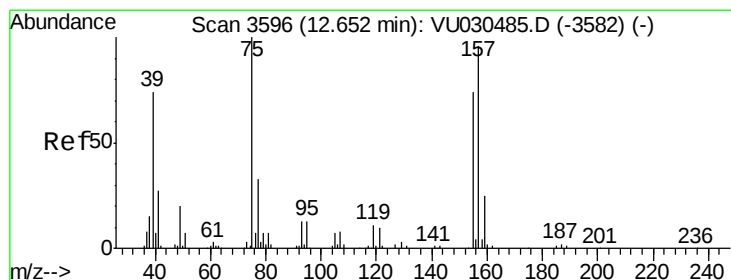
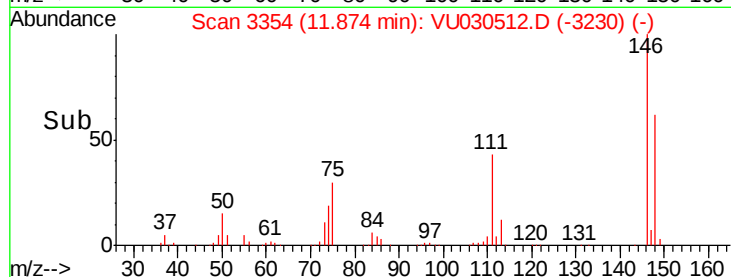
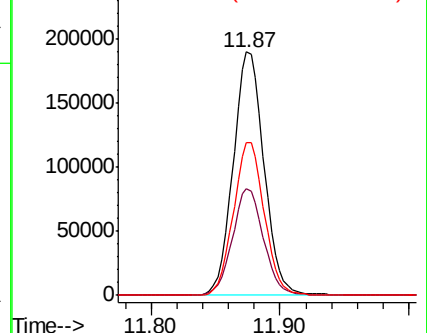
148 62.6 51.2 76.8



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: 47.488 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

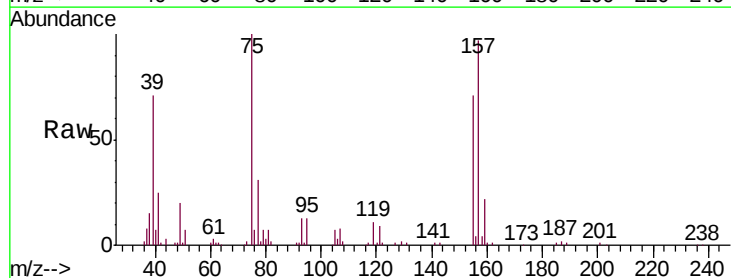
Tgt Ion: 75 Resp: 60239

Ion Ratio Lower Upper

75 100

155 70.6 61.8 92.6

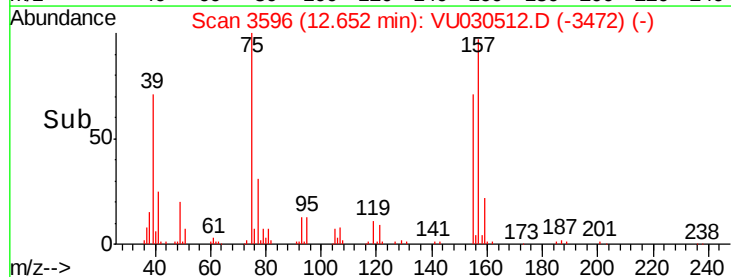
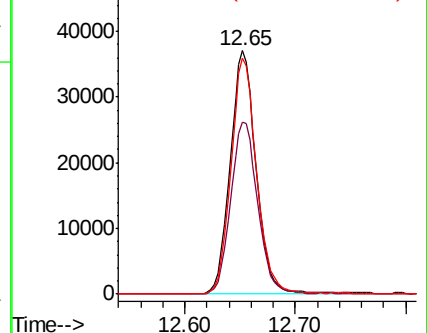
157 97.1 80.2 120.4

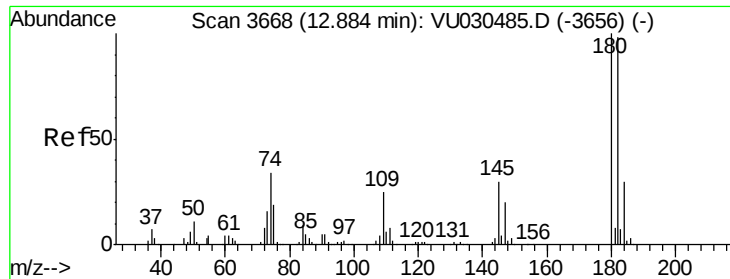


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

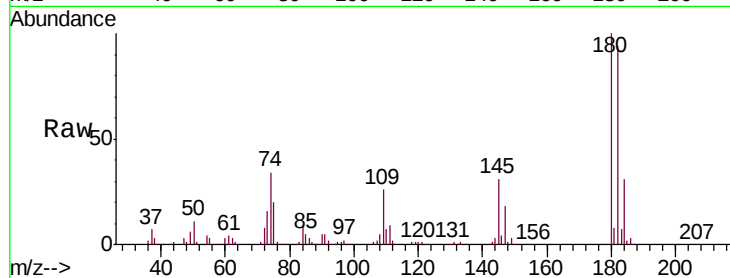




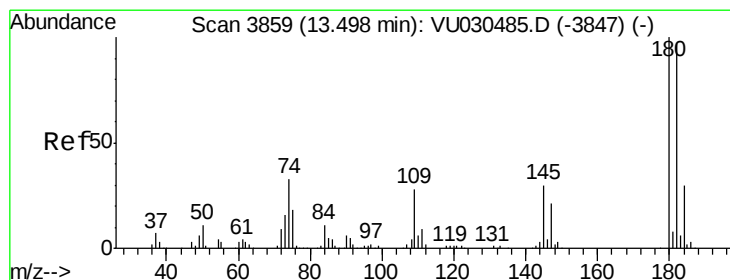
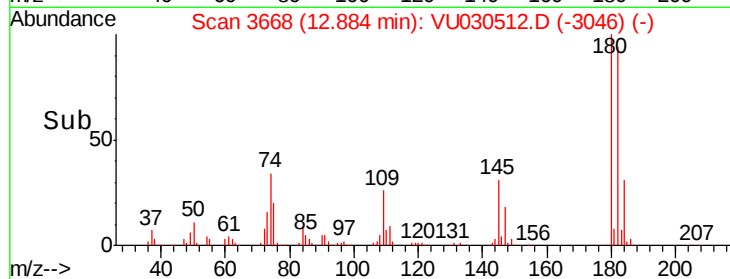
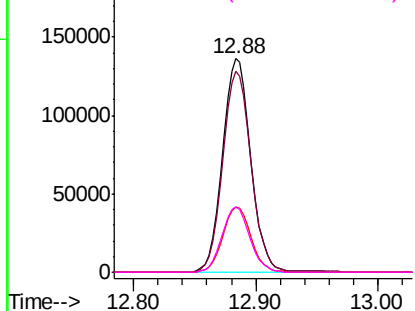
#67
 1,3,5-Trichlorobenzene
 Concen: 52.615 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion:180 Resp: 221920
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.9 113.9
 184 30.5 24.1 36.1
 145 30.2 23.8 35.8

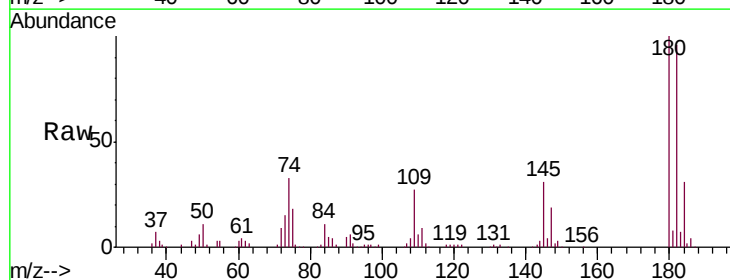


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

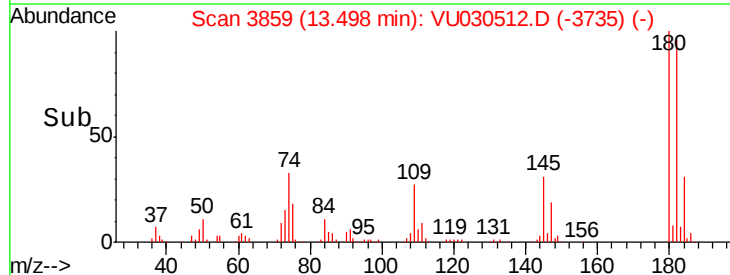
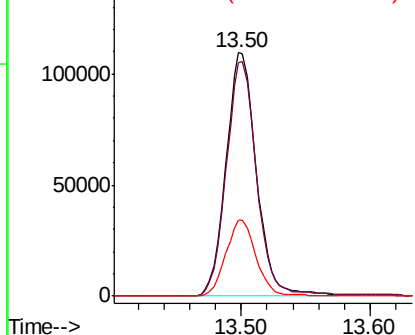


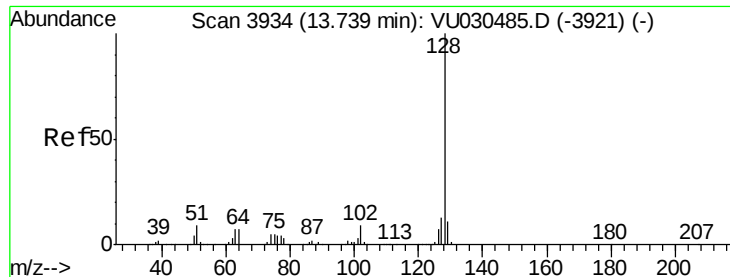
#68
 1,2,4-trichlorobenzene
 Concen: 48.867 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030512.D
 Acq: 28 Mar 2019 14:12

Tgt Ion:180 Resp: 179086
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 145 31.0 24.5 36.7



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: 41.668 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

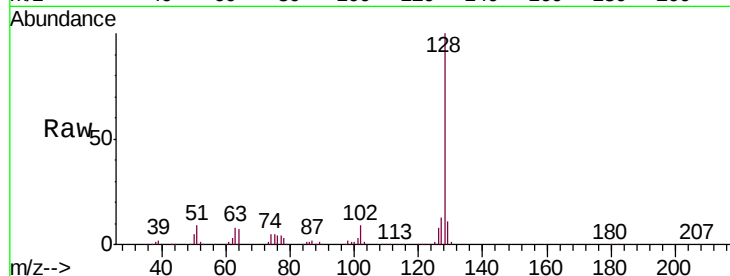
Tgt Ion:128 Resp: 542990

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

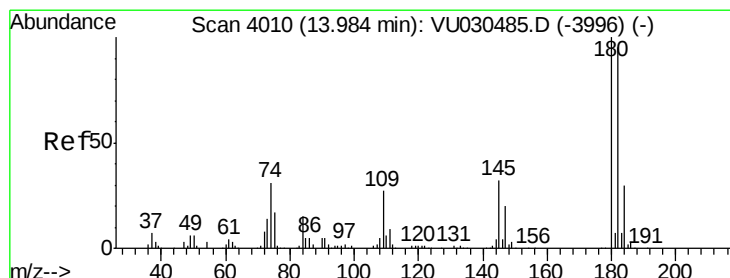
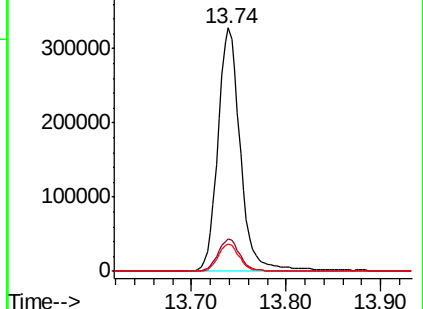
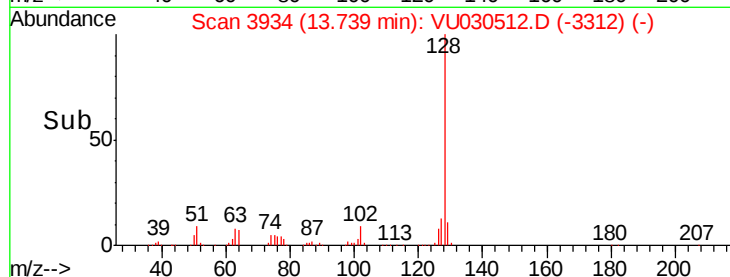
129 10.6 8.4 12.6



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: 47.260 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030512.D

Acq: 28 Mar 2019 14:12

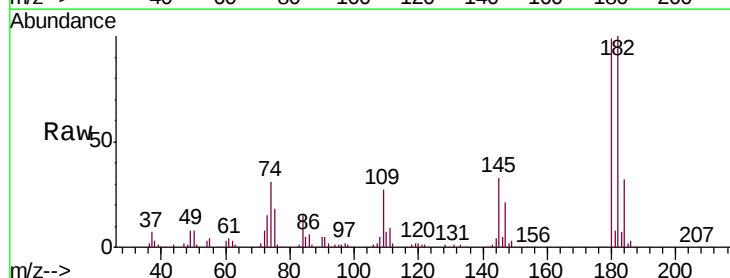
Tgt Ion:180 Resp: 182886

Ion Ratio Lower Upper

180 100

182 99.6 77.4 116.2

145 33.9 25.9 38.9



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

