

Data File : VU030510.D
Acq On : 28 Mar 2019 01:48
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Mar 28 02:52:20 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	389304	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	370094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169457	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154088	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.36%
7) Chloroethane-d5	1.67	69	127810	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.94%
11) 1,1-Dichloroethene-d2	2.27	63	300580	50.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.14%
21) 2-Butanone-d5	4.17	46	326356	110.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.81%
24) Chloroform-d	4.64	84	284653	52.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.46%
26) 1,2-Dichloroethane-d4	5.31	65	183869	52.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.10%
32) Benzene-d6	5.34	84	540903	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	6.32	67	193885	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.78%
41) Toluene-d8	7.56	98	481105	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.85	79	85396	50.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.02%
47) 2-Hexanone-d5	8.31	63	222068	112.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281793	54.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	175874	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	211408	49.218	ug/L	99
3) Chloromethane	1.33	50	247208	51.459	ug/L	100
5) Vinyl chloride	1.40	62	237709	52.181	ug/L	99
6) Bromomethane	1.61	94	103751	49.647	ug/L	99
8) Chloroethane	1.69	64	137392	53.423	ug/L	99
9) Trichlorofluoromethane	1.88	101	264110	53.166	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	144697	50.926	ug/L	100
12) 1,1-Dichloroethene	2.28	96	144655	51.934	ug/L	97
13) Acetone	2.32	43	226954	76.197	ug/L	99
14) Carbon disulfide	2.47	76	443301	48.135	ug/L	99
15) Methyl Acetate	2.61	43	249881	54.790	ug/L #	100
16) Methylene chloride	2.70	84	174508	53.146	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	145469	49.781	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	526891	54.523	ug/L	99
19) 1,1-Dichloroethane	3.44	63	323826	54.014	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	169187	51.625	ug/L	96
22) 2-Butanone	4.26	43	355958	98.873	ug/L	98

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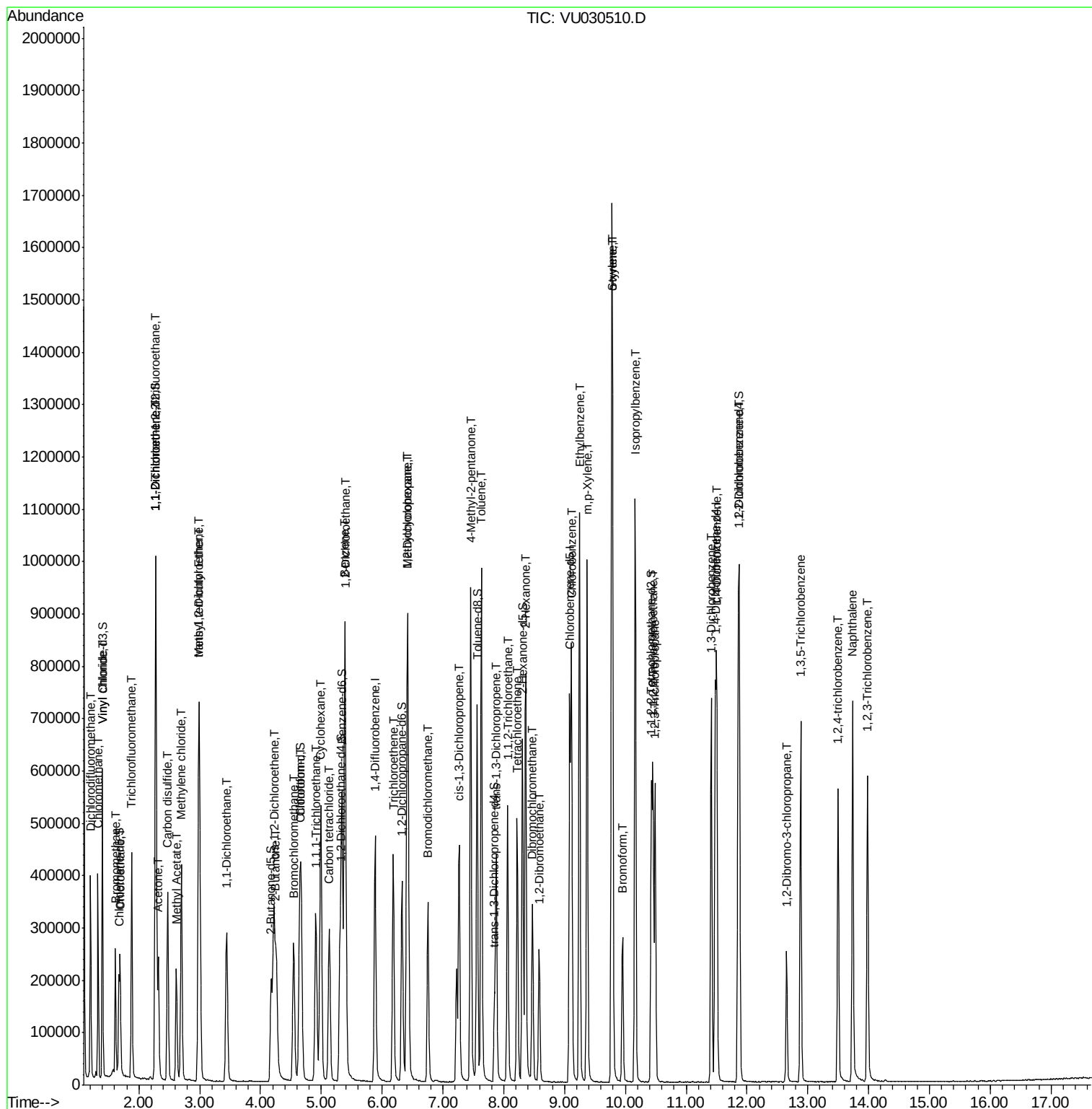
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	81602	53.571	ug/L	97
25) Chloroform	4.67	83	309110	54.228	ug/L	98
27) 1,2-Dichloroethane	5.40	62	246455	55.100	ug/L	98
29) Cyclohexane	4.99	56	294456	52.575	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	249681	55.097	ug/L	99
31) Carbon tetrachloride	5.13	117	212281	55.267	ug/L	99
33) Benzene	5.39	78	682339	54.161	ug/L	100
34) Trichloroethene	6.18	95	160024	51.670	ug/L	97
35) Methylcyclohexane	6.41	83	253884	49.816	ug/L	99
37) 1,2-Dichloropropane	6.43	63	191681	53.613	ug/L	100
38) Bromodichloromethane	6.75	83	233726	55.018	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	268714	52.290	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	666136	110.923	ug/L	99
42) Toluene	7.63	91	708523	54.189	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	243330	53.814	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	165019	54.626	ug/L	96
46) Tetrachloroethene	8.22	164	109911	50.810	ug/L	98
48) 2-Hexanone	8.36	43	518260	105.296	ug/L	99
49) Dibromochloromethane	8.47	129	170985	54.473	ug/L	97
50) 1,2-Dibromoethane	8.58	107	174100	53.700	ug/L	99
51) Chlorobenzene	9.12	112	417335	52.666	ug/L	99
52) Ethylbenzene	9.25	91	758914	53.581	ug/L	100
53) m,p-Xylene	9.37	106	273110	53.403	ug/L	97
54) o-xylene	9.77	106	273923	54.893	ug/L	97
55) Styrene	9.79	104	465426	54.145	ug/L	99
56) Isopropylbenzene	10.16	105	709272	53.680	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	303581	54.526	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	237720	54.626	ug/L	100
61) Bromoform	9.95	173	123503	54.816	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	289313	52.207	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	290282	50.882	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	301683	53.838	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66545	53.334	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	207265	49.959	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	164462	45.625	ug/L	97
69) Naphthalene	13.74	128	570855	44.537	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	184875	48.570	ug/L	98

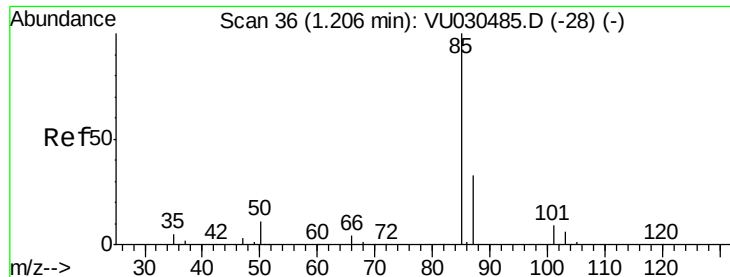
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.218 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

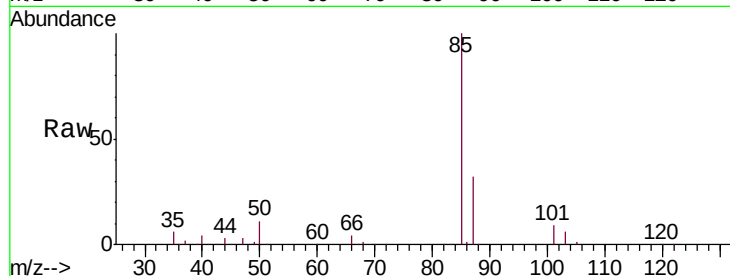
VSTD05037

Tgt Ion: 85 Resp: 211408

Ion Ratio Lower Upper

85 100

87 31.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030485.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030485.D (-28) (-)

1.21

200000

150000

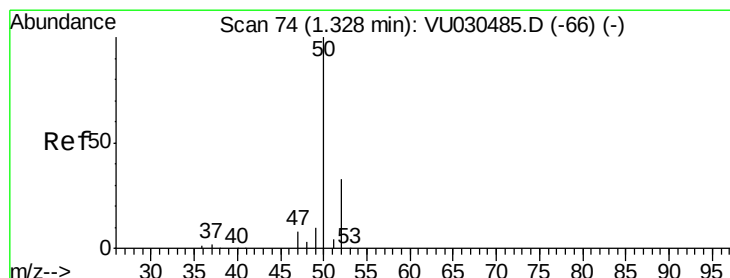
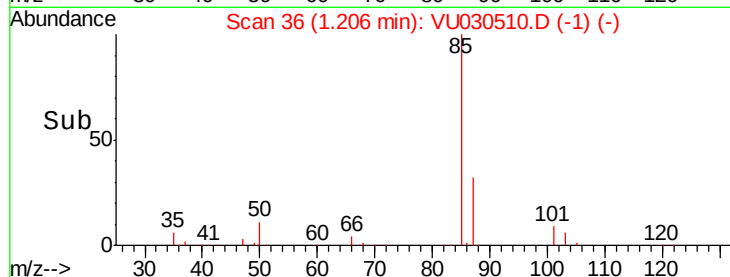
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 51.459 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030510.D

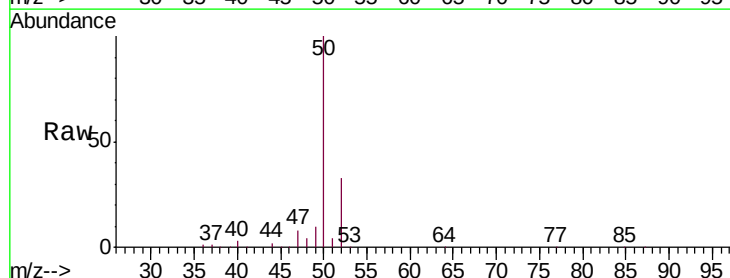
Acq: 28 Mar 2019 01:48

Tgt Ion: 50 Resp: 247208

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030485.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030485.D (-66) (-)

1.33

250000

200000

150000

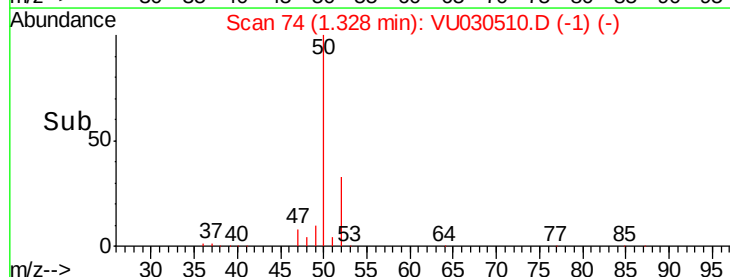
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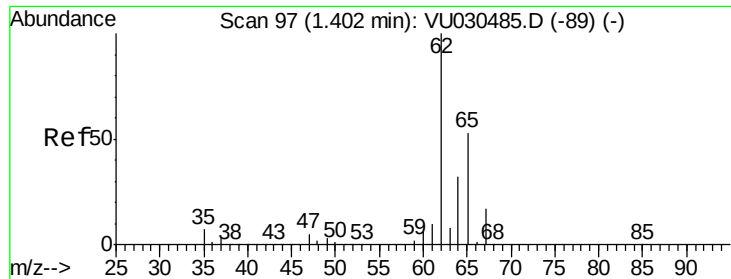
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 52.181 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

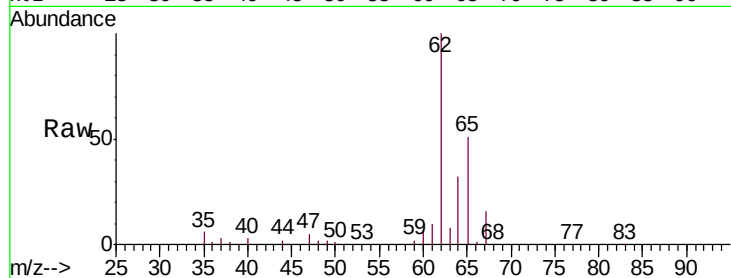
VSTD05037

Tgt Ion: 62 Resp: 237709

Ion Ratio Lower Upper

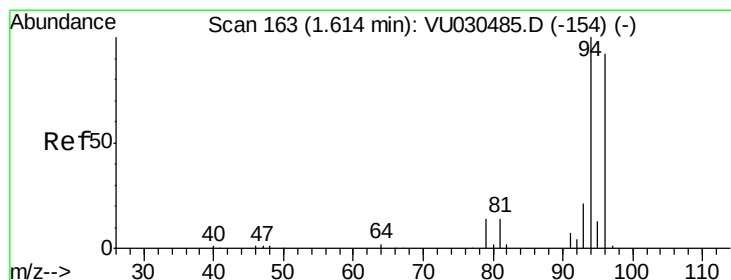
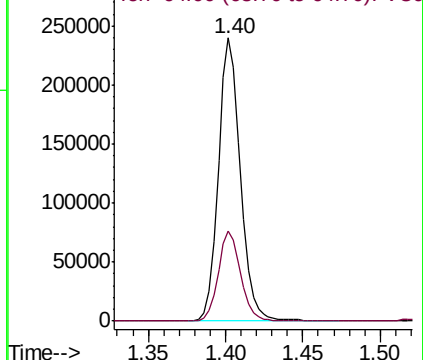
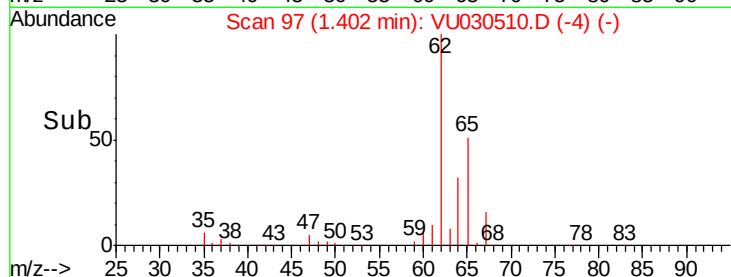
62 100

64 31.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030510.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU030510.D (-4) (-)



#6

Bromomethane

Concen: 49.647 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU030510.D

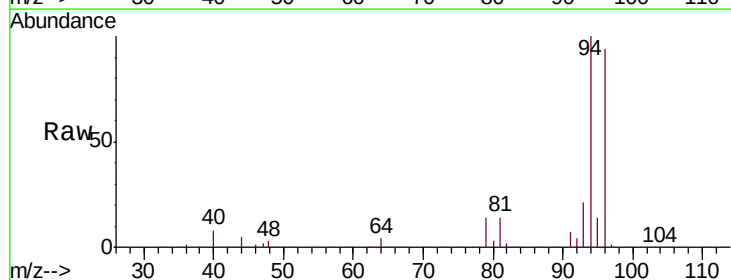
Acq: 28 Mar 2019 01:48

Tgt Ion: 94 Resp: 103751

Ion Ratio Lower Upper

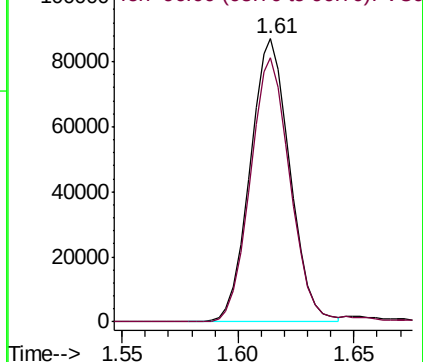
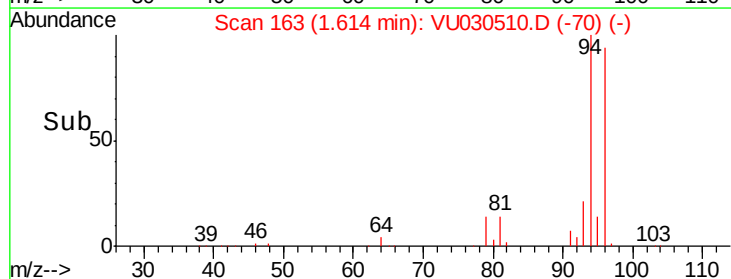
94 100

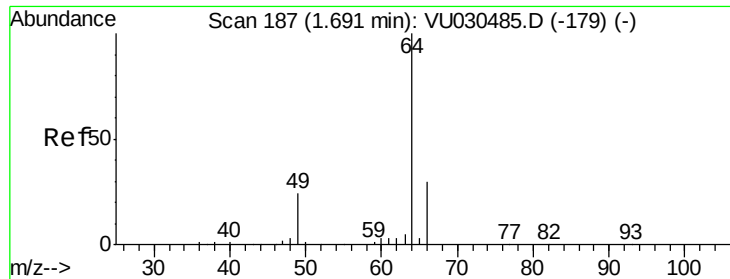
96 93.5 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030510.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU030510.D (-70) (-)





#8

Chloroethane

Concen: 53.423 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

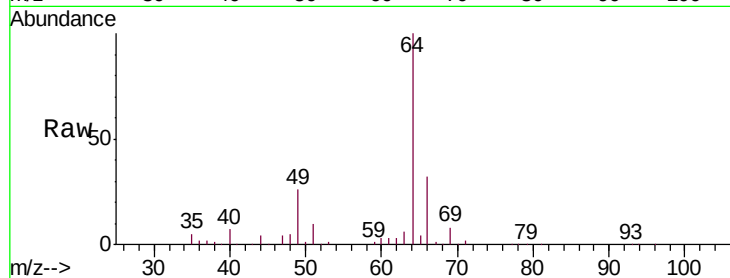
VSTD05037

Tgt Ion: 64 Resp: 137392

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030485.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030485.D (-179) (-)

1.69

120000

100000

80000

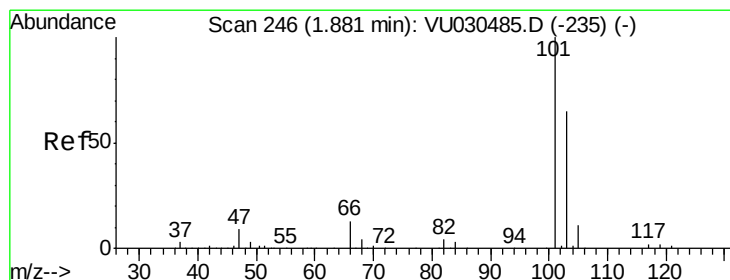
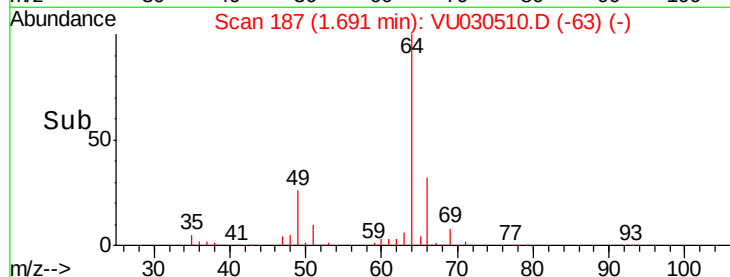
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 53.166 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU030510.D

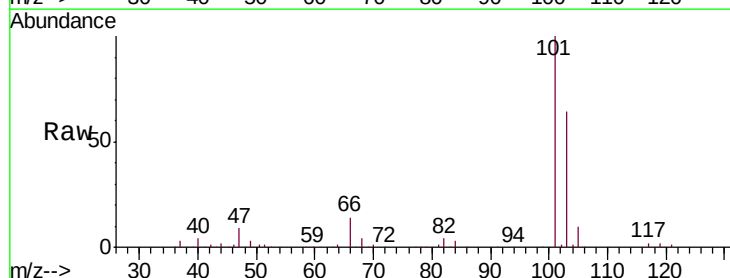
Acq: 28 Mar 2019 01:48

Tgt Ion: 101 Resp: 264110

Ion Ratio Lower Upper

101 100

103 65.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030485.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU030485.D (-235) (-)

1.88

200000

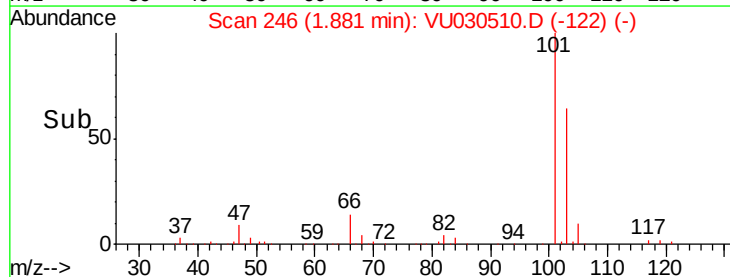
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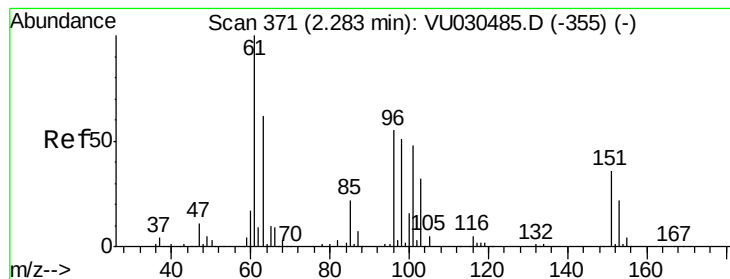
100000

50000

0

Time-->





#10

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

Concen: 50.926 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

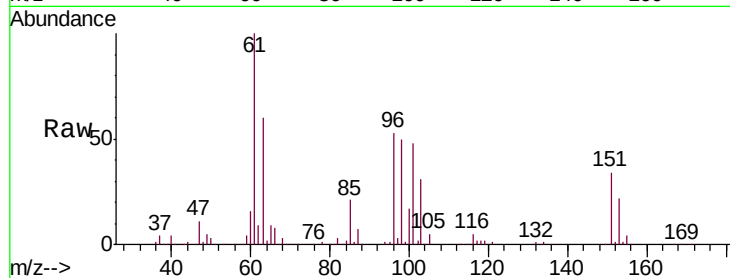
Tgt Ion:101 Resp: 144697

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

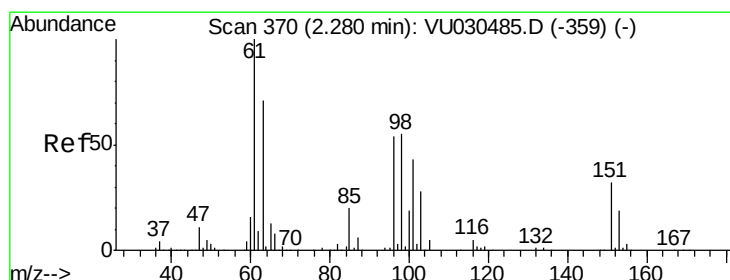
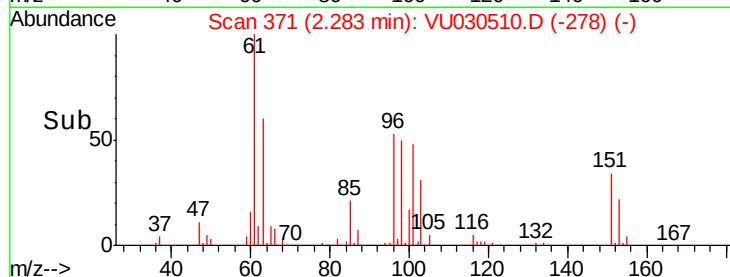
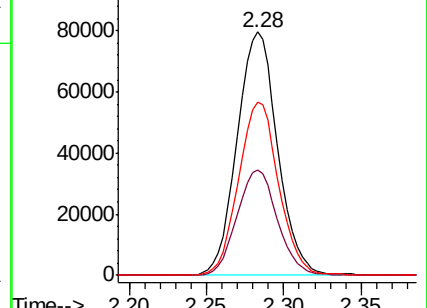
151 70.6 56.6 85.0



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: 51.934 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

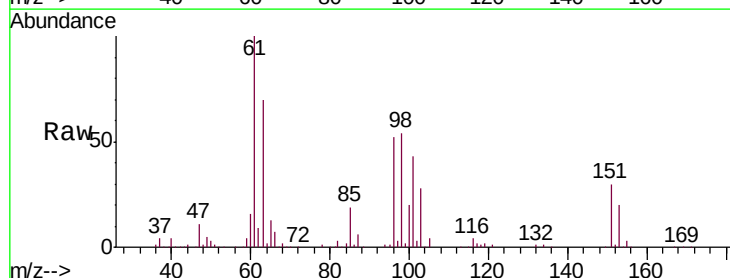
Tgt Ion: 96 Resp: 144655

Ion Ratio Lower Upper

96 100

61 192.4 131.0 243.4

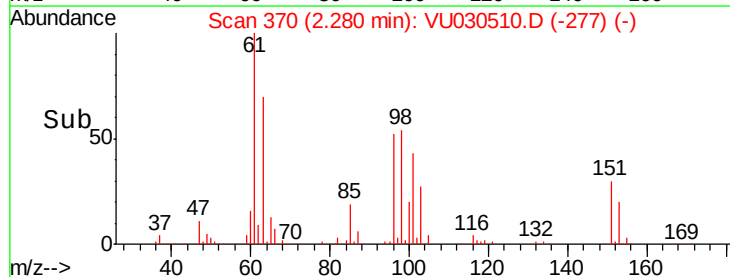
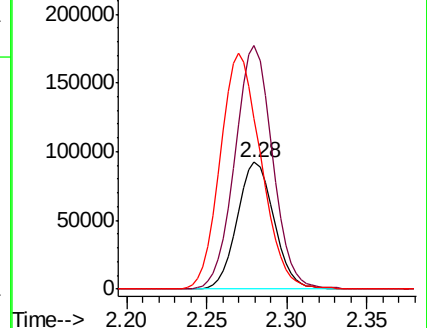
63 135.1 92.4 171.6

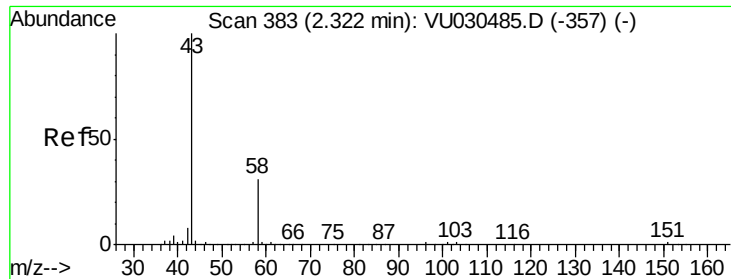


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 76.197 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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ClientSampleId :

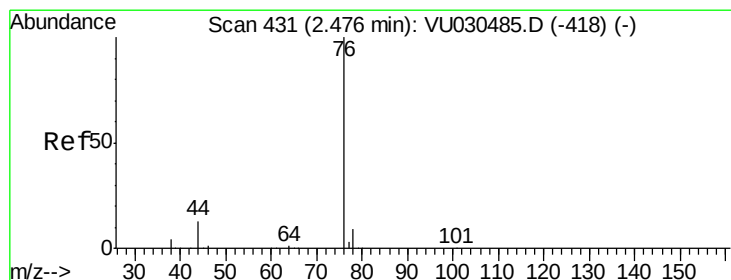
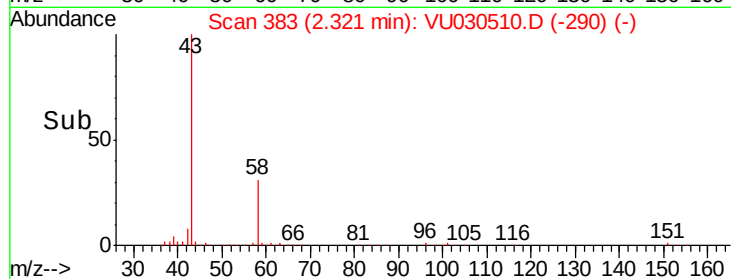
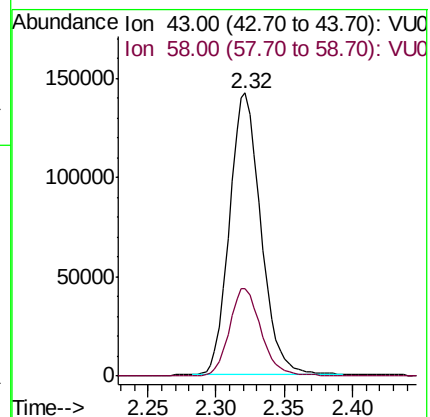
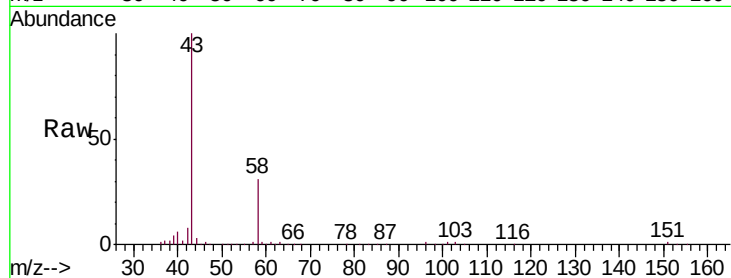
VSTD05037

Tgt Ion: 43 Resp: 226954

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.8



#14

Carbon disulfide

Concen: 48.135 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

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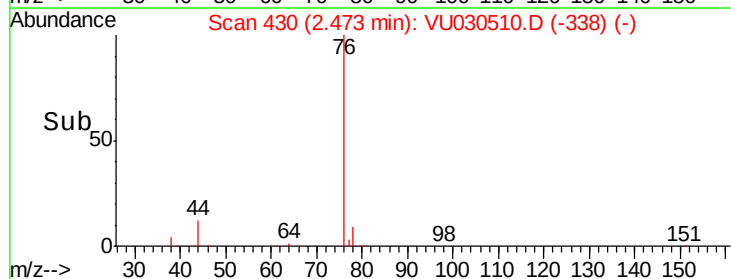
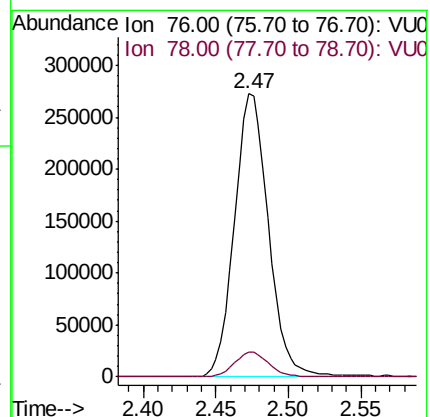
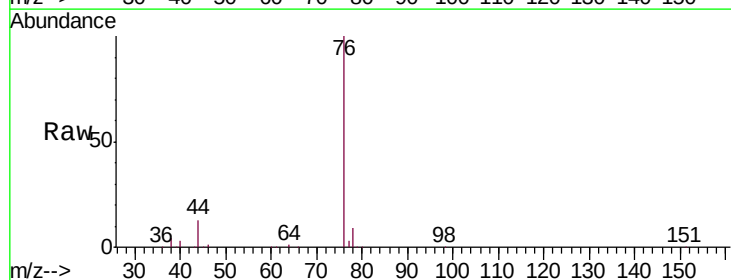
Acq: 28 Mar 2019 01:48

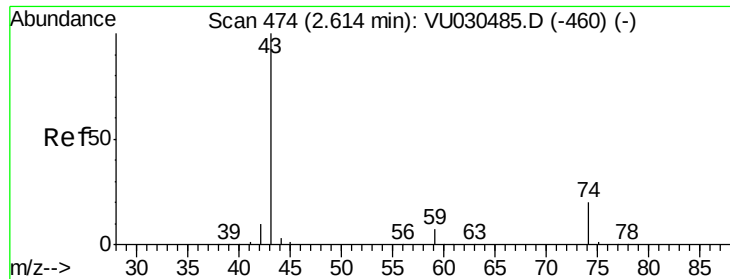
Tgt Ion: 76 Resp: 443301

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





#15

Methyl Acetate

Concen: 54.790 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

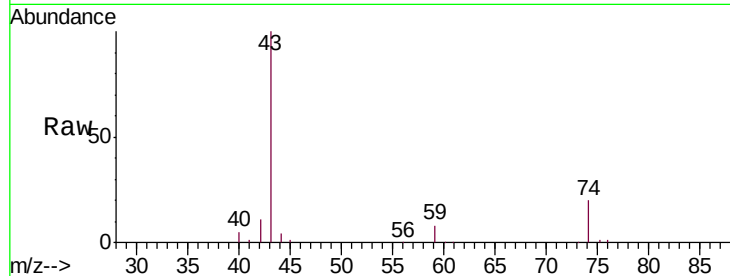
VSTD05037

Tgt Ion: 43 Resp: 249881

Ion Ratio Lower Upper

43 100

74 20.0 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030510.D (-381) (-)

Ion 74.00 (73.70 to 74.70): VU030510.D (-381) (-)

2.61

150000

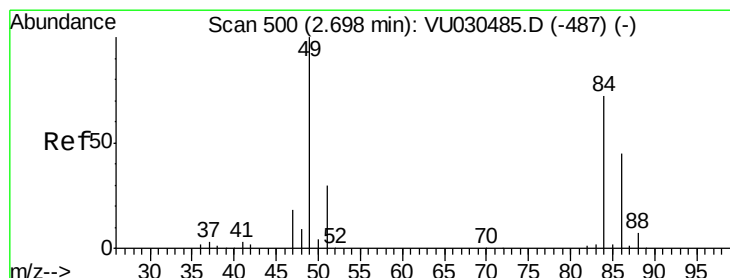
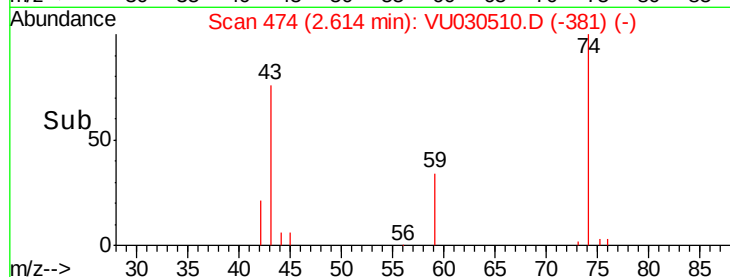
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 53.146 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

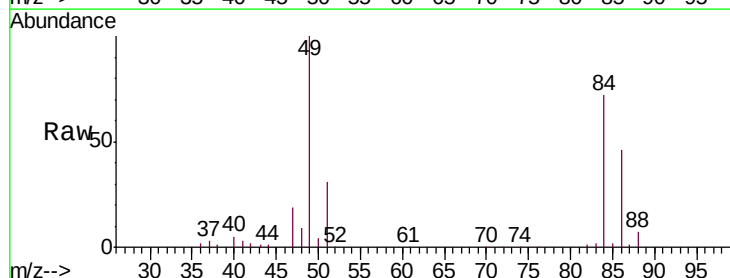
Tgt Ion: 84 Resp: 174508

Ion Ratio Lower Upper

84 100

86 64.2 44.3 82.3

49 139.4 94.9 176.3



Abundance Ion 84.00 (83.70 to 84.70): VU030510.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU030510.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU030510.D (-407) (-)

2.70

150000

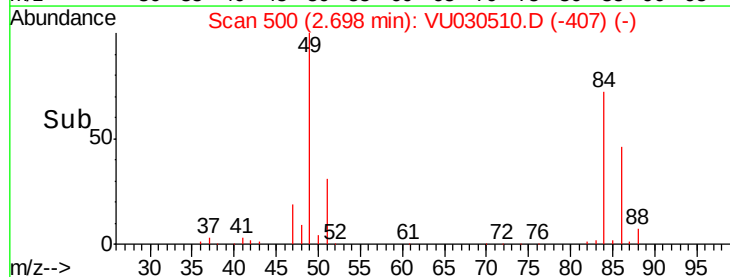
100000

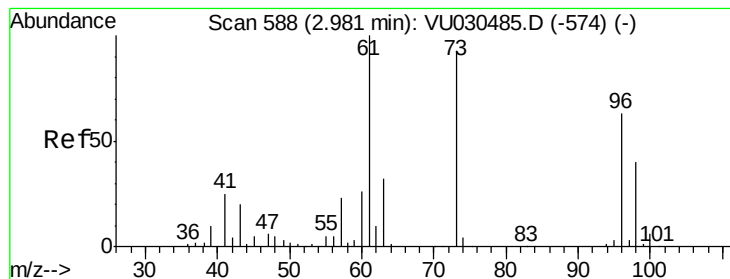
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 49.781 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

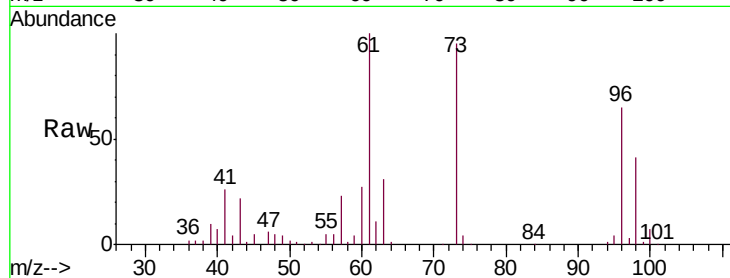
Tgt Ion: 96 Resp: 145469

Ion Ratio Lower Upper

96 100

61 154.4 108.6 201.8

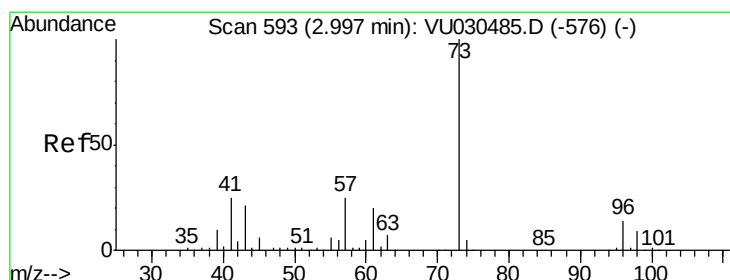
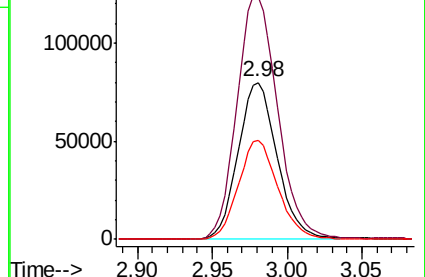
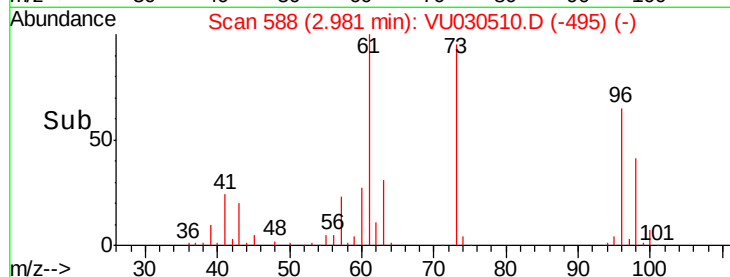
98 63.5 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU030510.D (-495) (-)

Ion 61.00 (60.70 to 61.70): VU030510.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU030510.D (-495) (-)



#18

Methyl tert-butyl Ether

Concen: 54.523 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

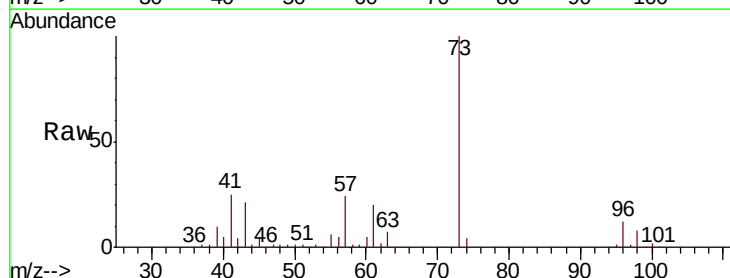
Tgt Ion: 73 Resp: 526891

Ion Ratio Lower Upper

73 100

43 21.3 16.6 24.8

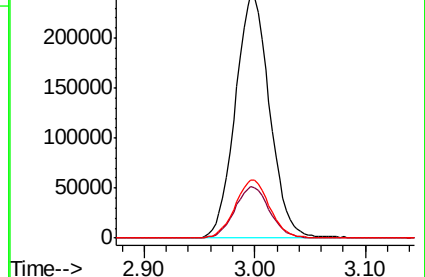
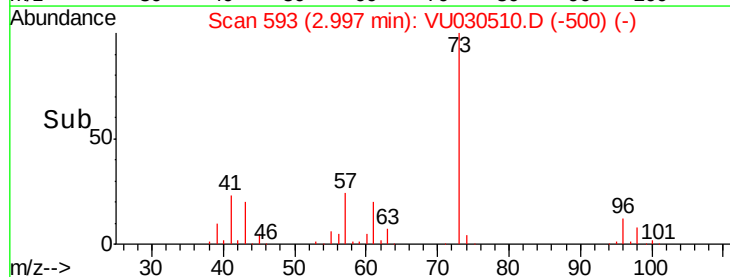
57 24.0 18.9 28.3

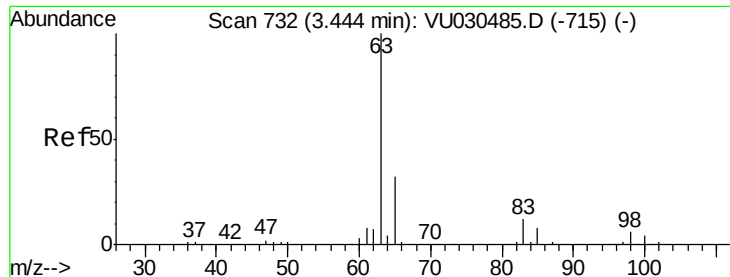


Abundance Ion 73.00 (72.70 to 73.70): VU030510.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU030510.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU030510.D (-500) (-)

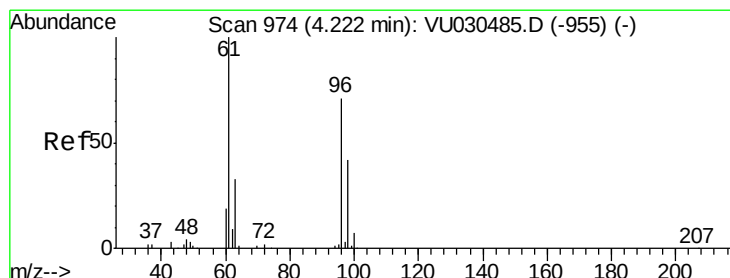
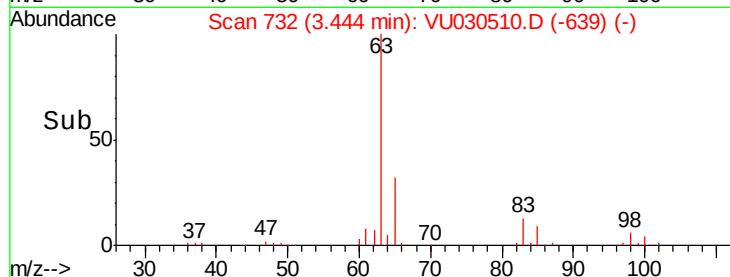
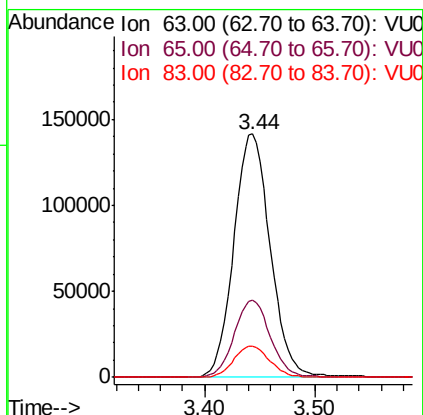
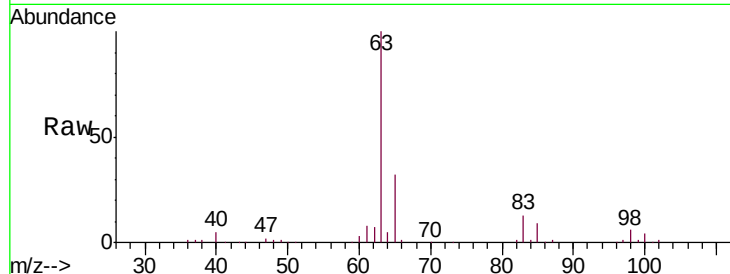




#19
 1,1-Dichloroethane
 Concen: 54.014 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

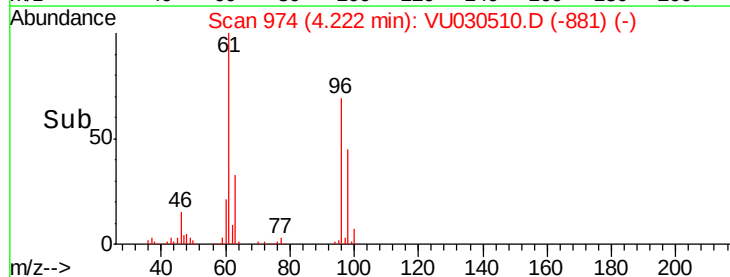
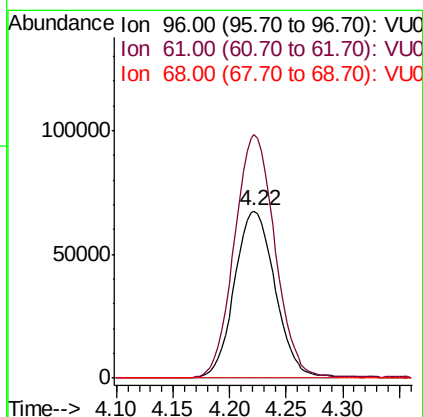
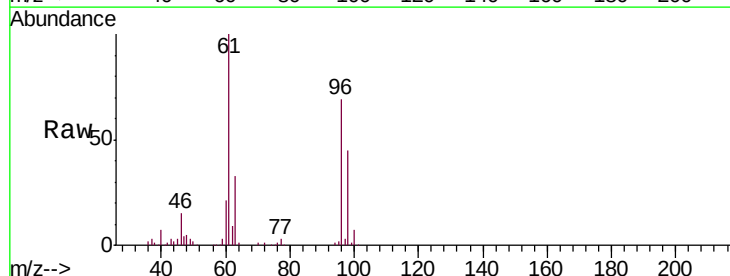
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

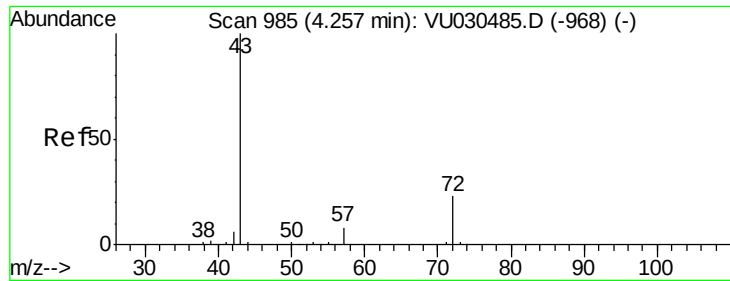
Tgt Ion: 63 Resp: 323826
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 40.8
 83 12.7 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 51.625 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion: 96 Resp: 169187
 Ion Ratio Lower Upper
 96 100
 61 145.9 98.4 182.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.873 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

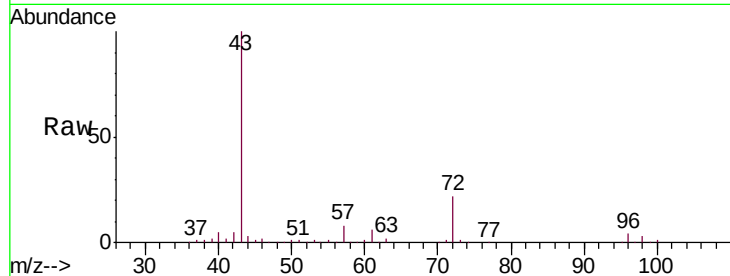
VSTD05037

Tgt Ion: 43 Resp: 355958

Ion Ratio Lower Upper

43 100

72 23.2 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030510.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VU030510.D (-892) (-)

4.26

150000

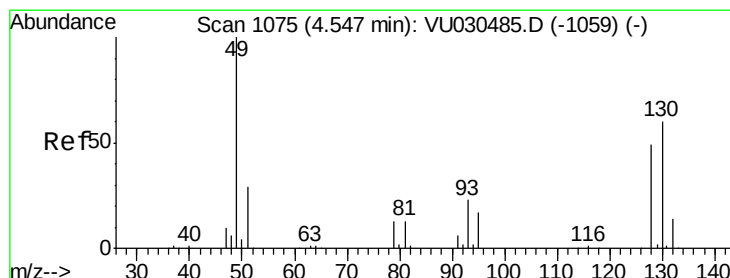
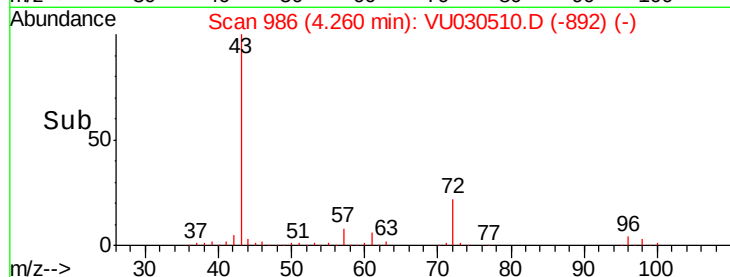
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 53.571 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Tgt Ion: 128 Resp: 81602

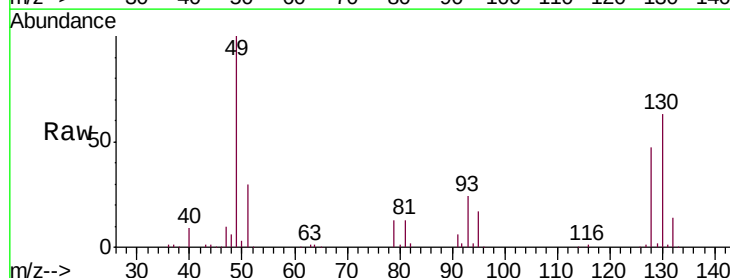
Ion Ratio Lower Upper

128 100

49 213.3 145.5 270.3

130 133.5 95.3 177.1

51 63.9 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030510.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU030510.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU030510.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU030510.D (-982) (-)

100000

80000

60000

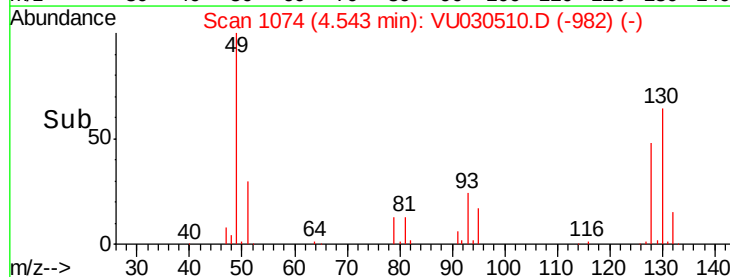
40000

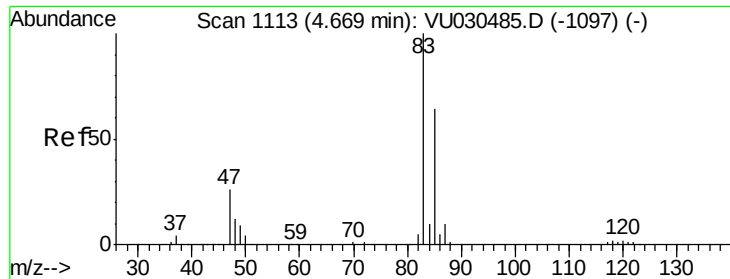
20000

0

4.50 4.60

Time-->

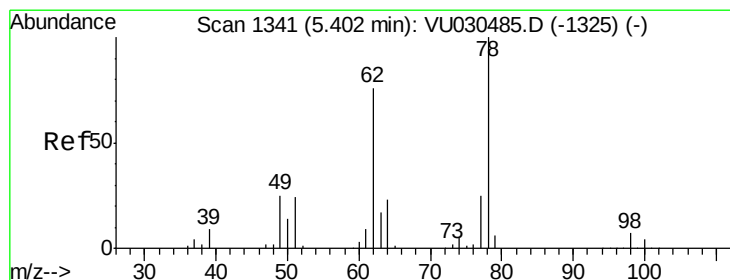
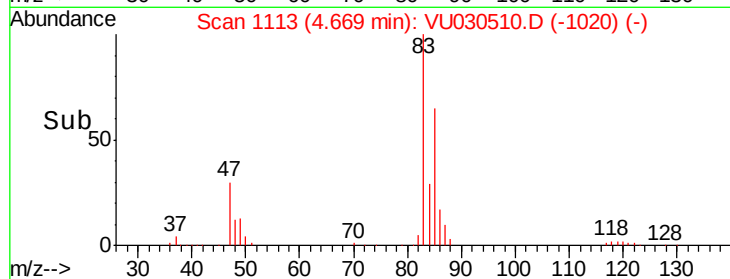
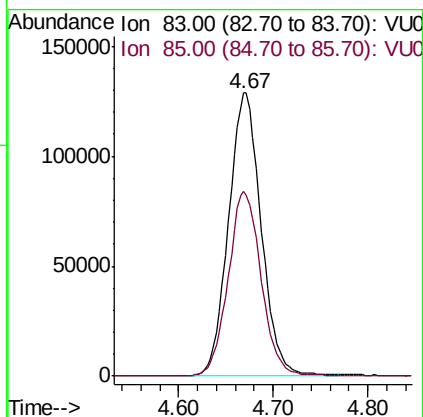
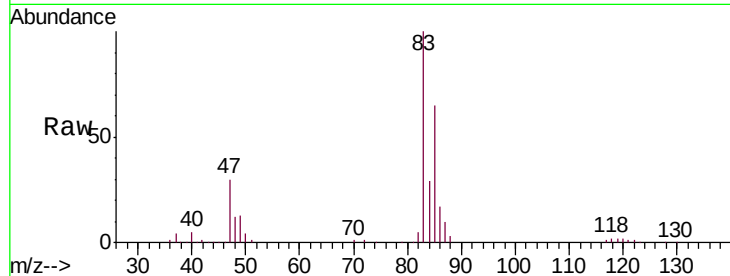




#25
Chloroform
Concen: 54.228 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030510.D
Acq: 28 Mar 2019 01:48

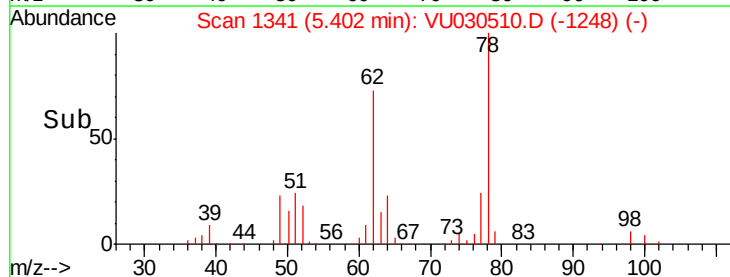
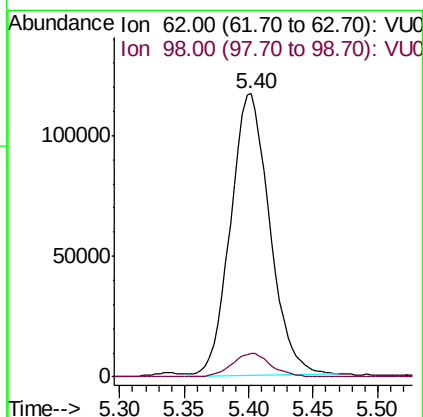
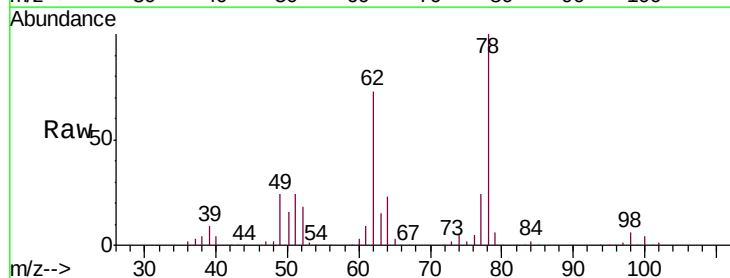
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

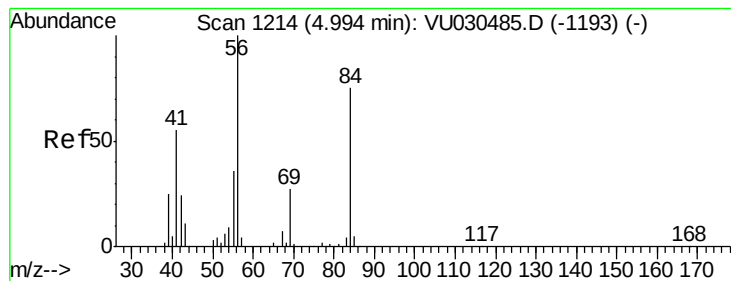
Tgt Ion: 83 Resp: 309110
Ion Ratio Lower Upper
83 100
85 65.2 44.4 82.4



#27
1,2-Dichloroethane
Concen: 55.100 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030510.D
Acq: 28 Mar 2019 01:48

Tgt Ion: 62 Resp: 246455
Ion Ratio Lower Upper
62 100
98 8.3 7.2 10.8





#29

Cyclohexane

Concen: 52.575 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

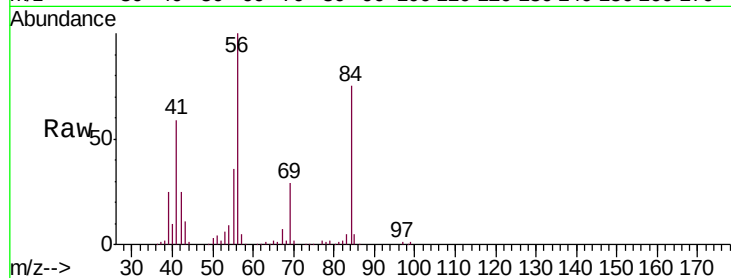
Tgt Ion: 56 Resp: 294456

Ion Ratio Lower Upper

56 100

69 28.4 22.9 34.3

84 74.0 58.9 88.3

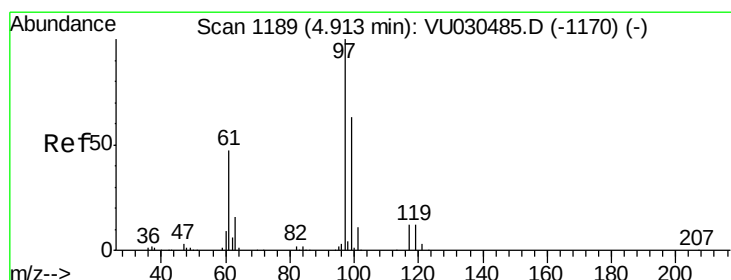
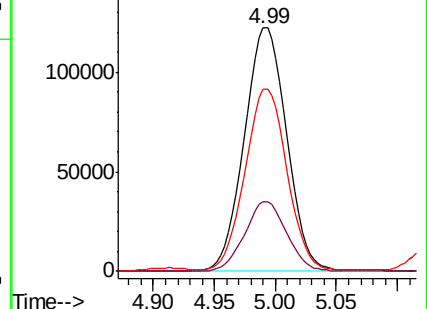
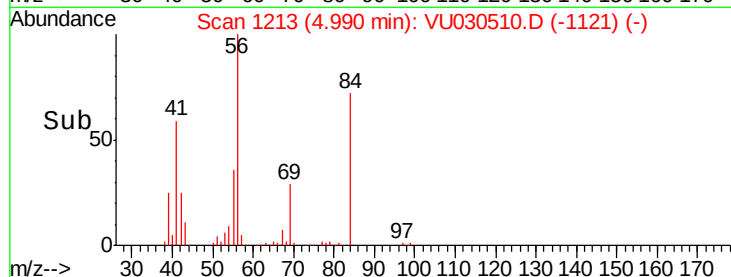


Abundance Ion 56.00 (55.70 to 56.70): VU030510.D (-1211) (-)

Ion 69.00 (68.70 to 69.70): VU030510.D (-1211) (-)

Ion 84.00 (83.70 to 84.70): VU030510.D (-1211) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 55.097 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

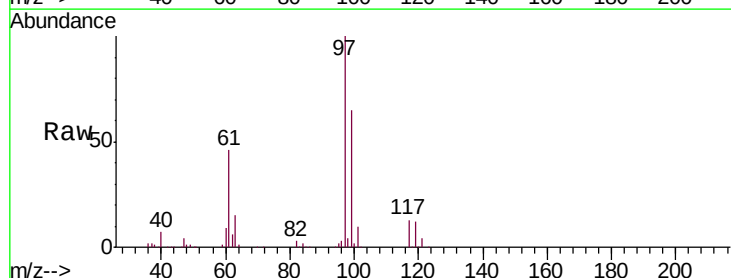
Tgt Ion: 97 Resp: 249681

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 47.4 38.2 57.4

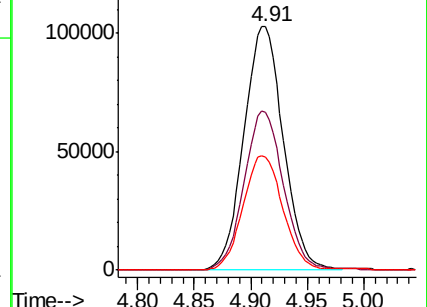
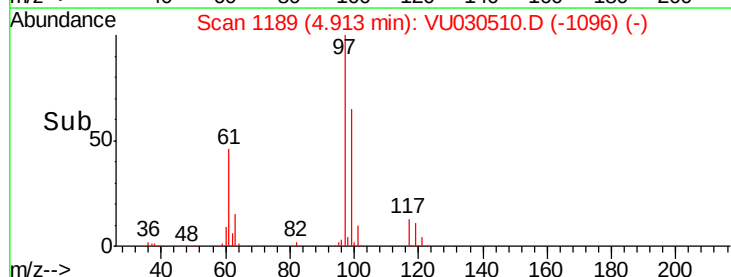


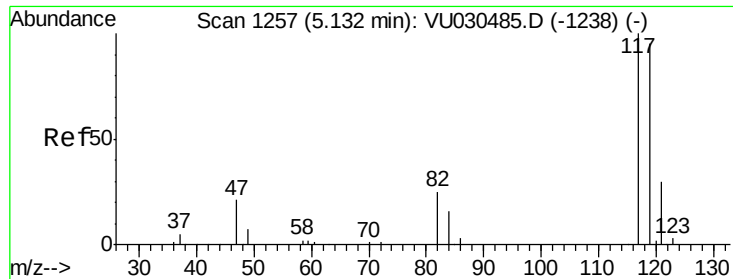
Abundance Ion 97.00 (96.70 to 97.70): VU030510.D (-1096) (-)

Ion 99.00 (98.70 to 99.70): VU030510.D (-1096) (-)

Ion 61.05 (60.75 to 61.75): VU030510.D (-1096) (-)

Time-->





#31

Carbon tetrachloride

Concen: 55.267 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

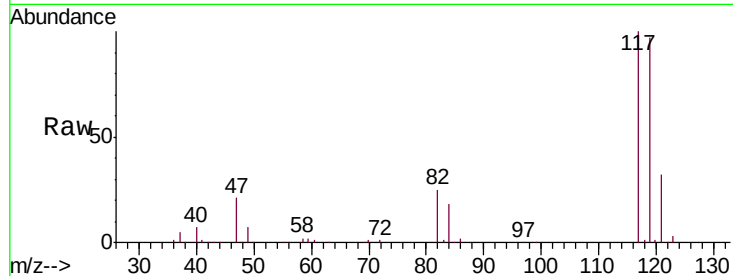
VSTD05037

Tgt Ion:117 Resp: 212281

Ion Ratio Lower Upper

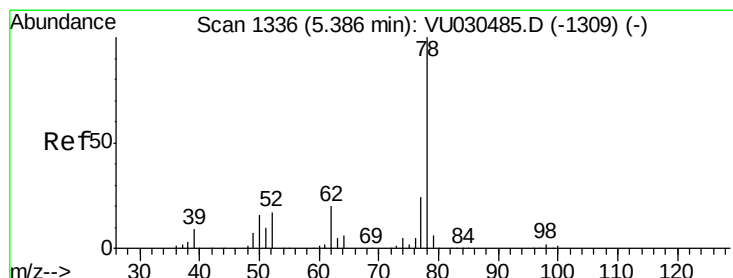
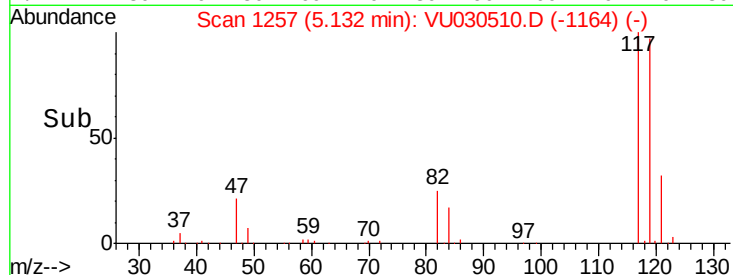
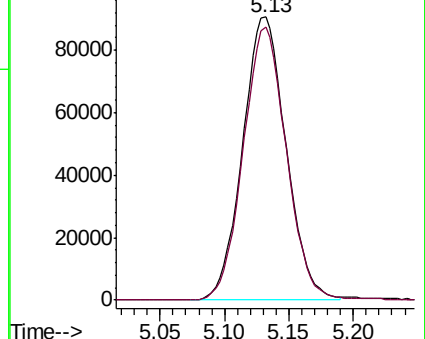
117 100

119 95.7 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: 54.161 ug/L

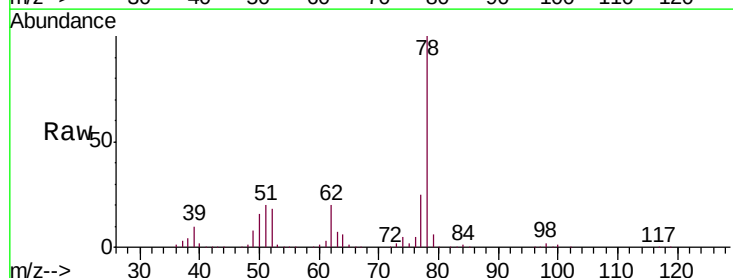
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

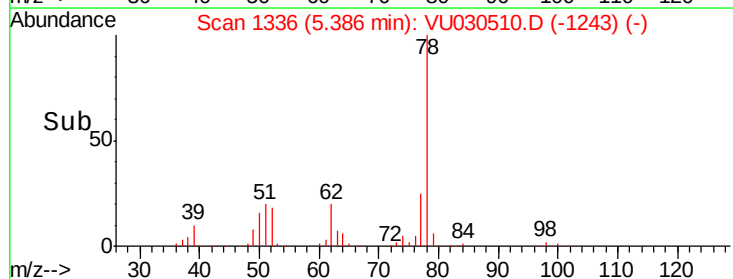
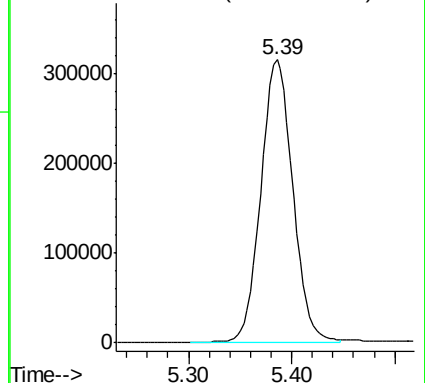
Lab File: VU030510.D

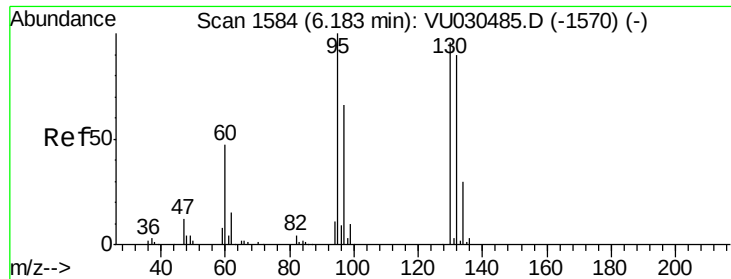
Acq: 28 Mar 2019 01:48

Tgt Ion: 78 Resp: 682339



Abundance Ion 78.00 (77.70 to 78.70): VU0

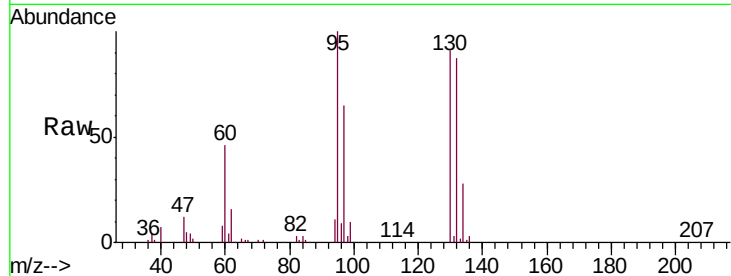




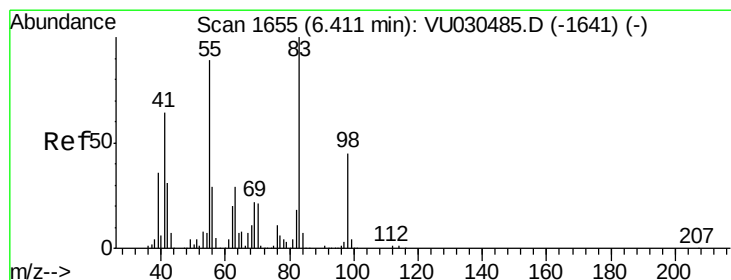
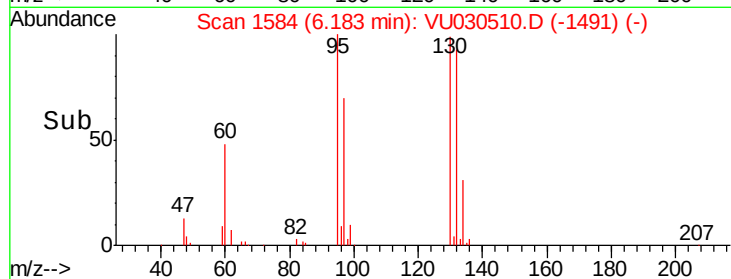
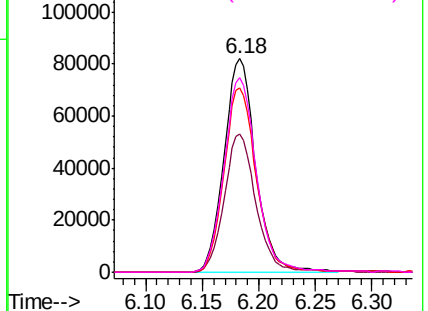
#34
 Trichloroethene
 Concen: 51.670 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	95	Resp:	160024
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.7	84.9
132	86.6	63.8	118.4
130	91.4	65.7	121.9

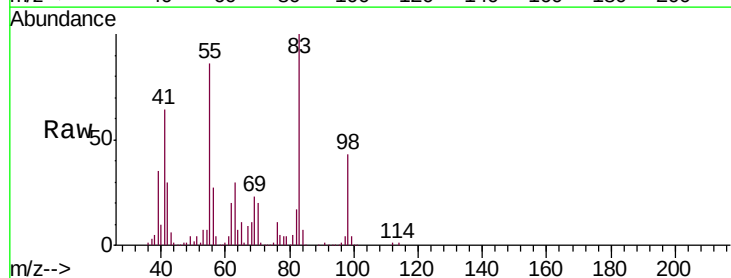


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

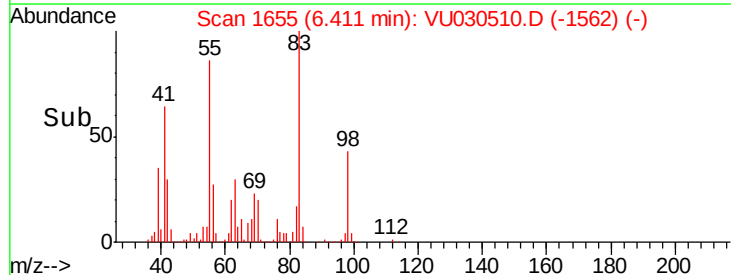
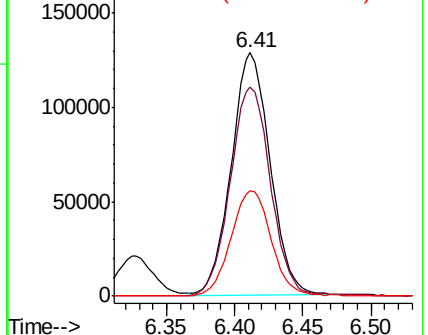


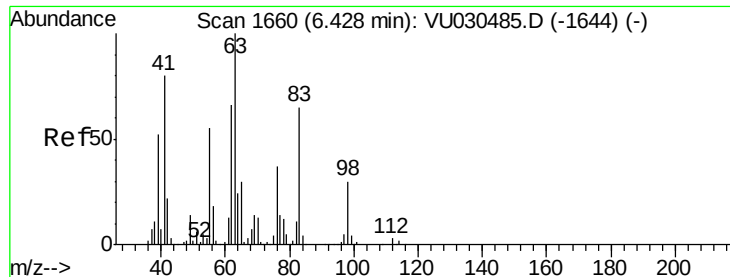
#35
 Methylcyclohexane
 Concen: 49.816 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion:	83	Resp:	253884
Ion	Ratio	Lower	Upper
83	100		
55	90.0	71.4	107.0
98	44.9	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

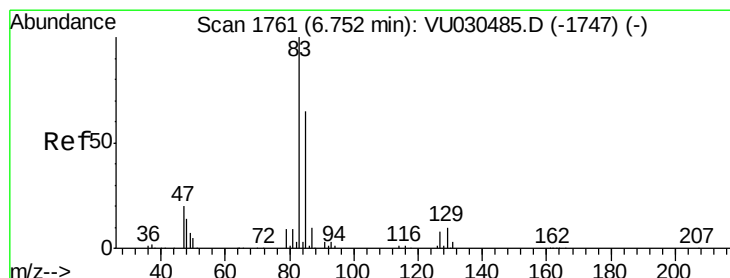
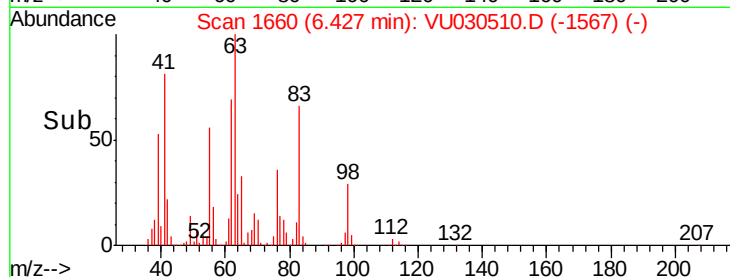
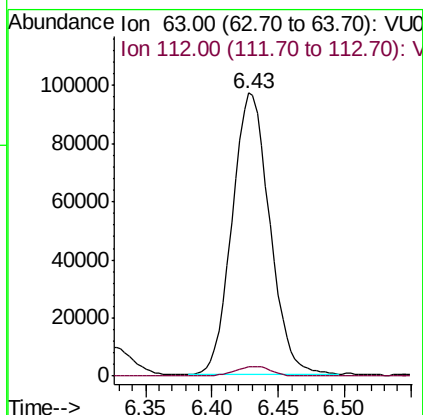
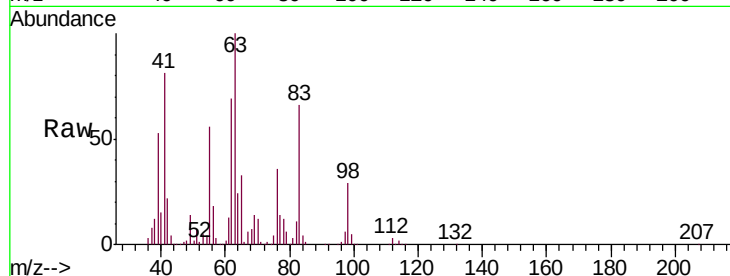




#37
 1,2-Dichloropropane
 Concen: 53.613 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

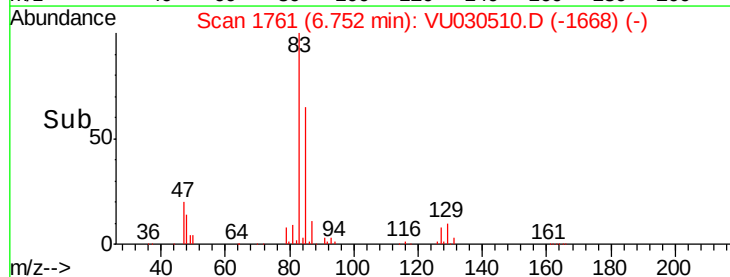
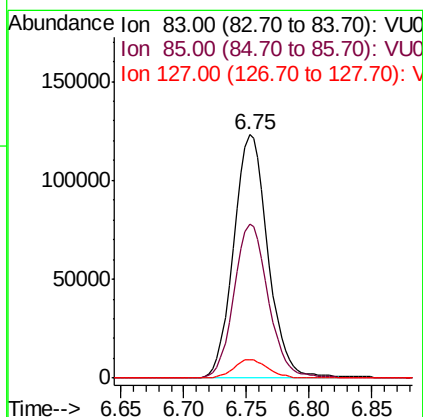
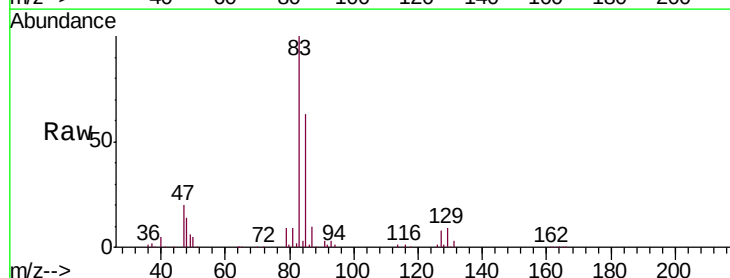
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

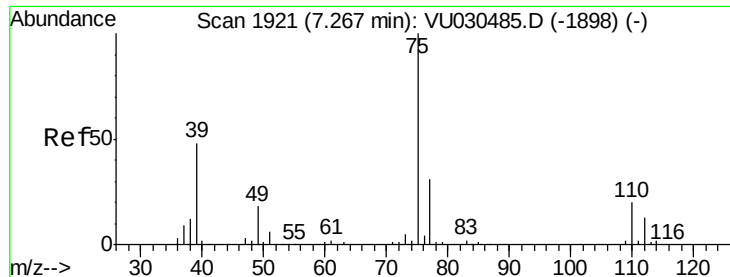
Tgt Ion: 63 Resp: 191681
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 55.018 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion: 83 Resp: 233726
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.0 83.6
 127 7.7 6.6 10.0

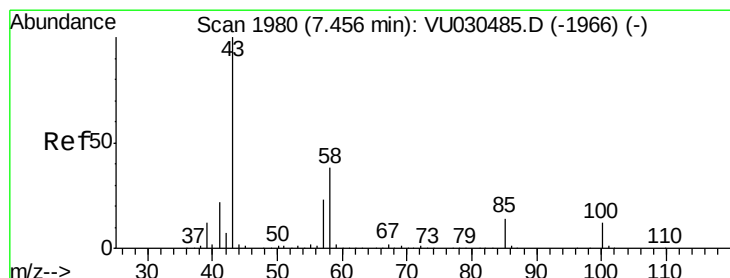
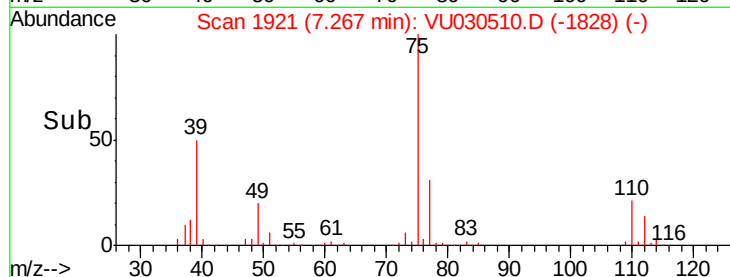
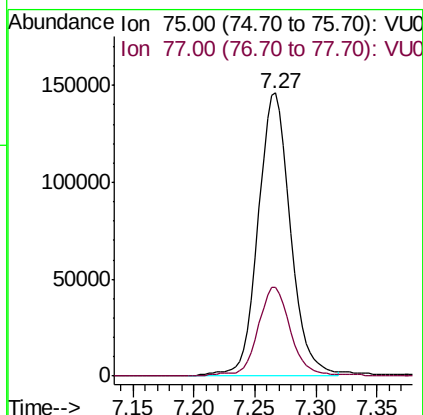
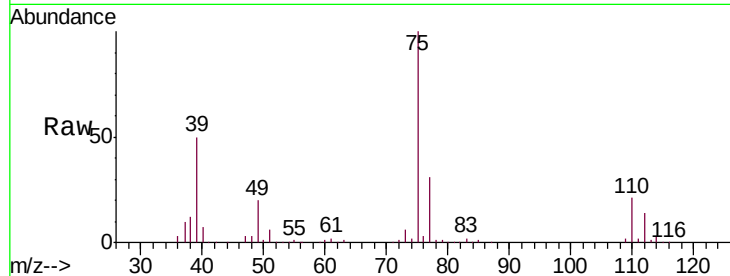




#39
 cis-1,3-Dichloropropene
 Concen: 52.290 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

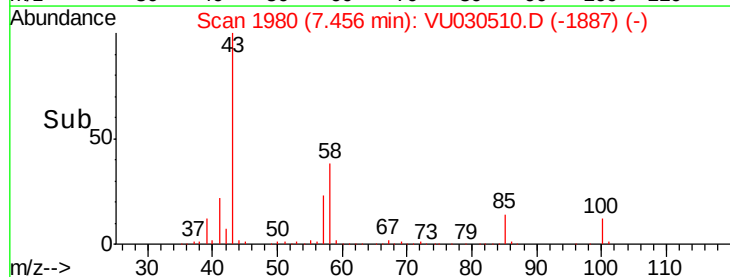
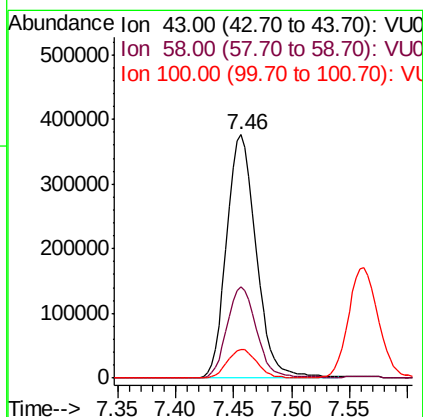
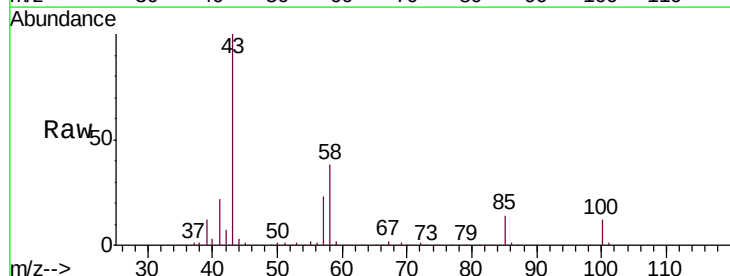
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

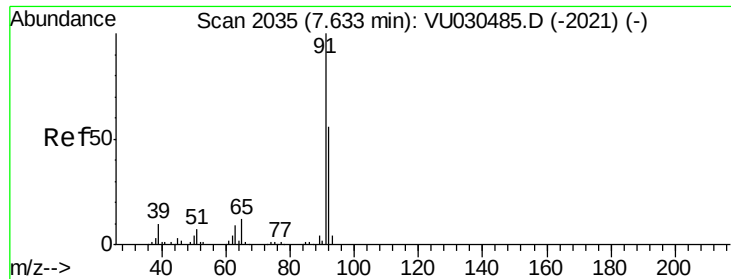
Tgt Ion: 75 Resp: 268714
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 110.923 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion: 43 Resp: 666136
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.6 45.8
 100 11.9 9.5 14.3





#42

Toluene

Concen: 54.189 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

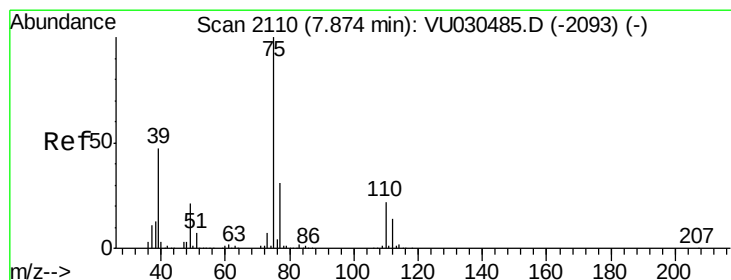
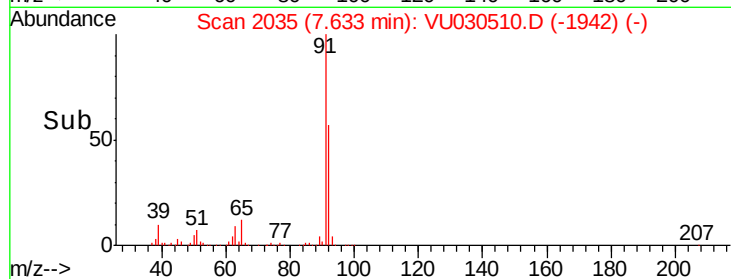
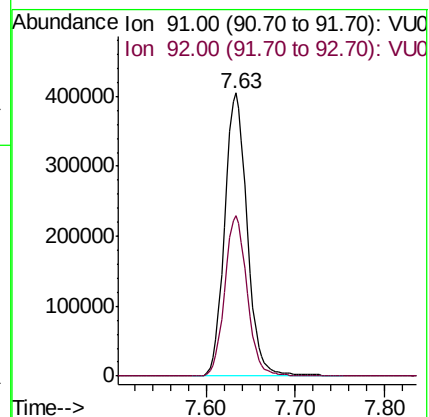
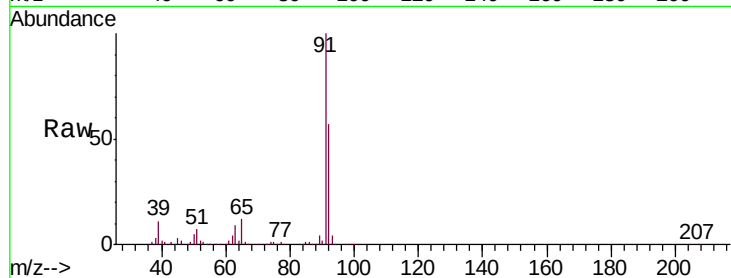
VSTD05037

Tgt Ion: 91 Resp: 708523

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 53.814 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030510.D

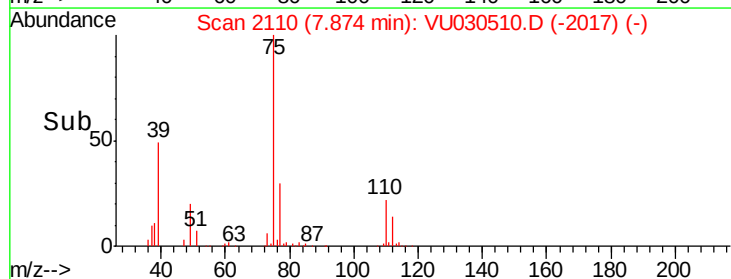
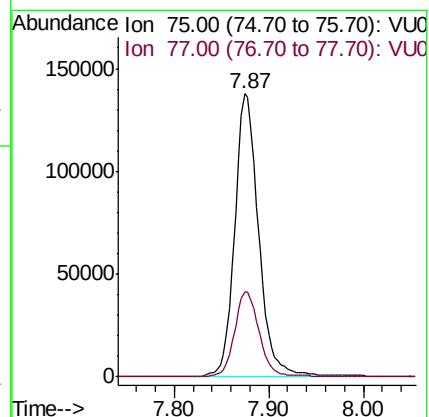
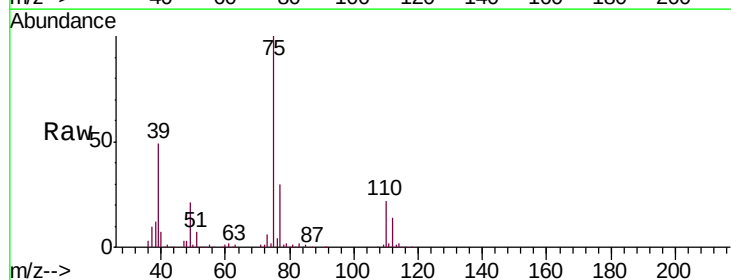
Acq: 28 Mar 2019 01:48

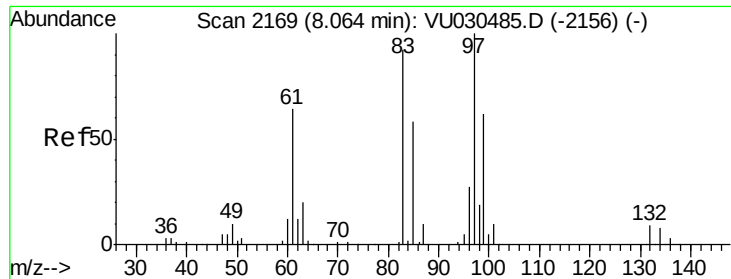
Tgt Ion: 75 Resp: 243330

Ion Ratio Lower Upper

75 100

77 30.1 22.0 40.8

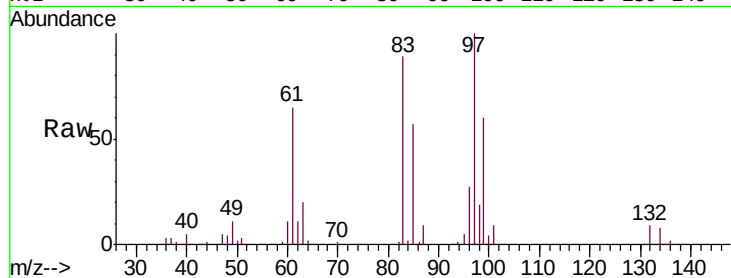




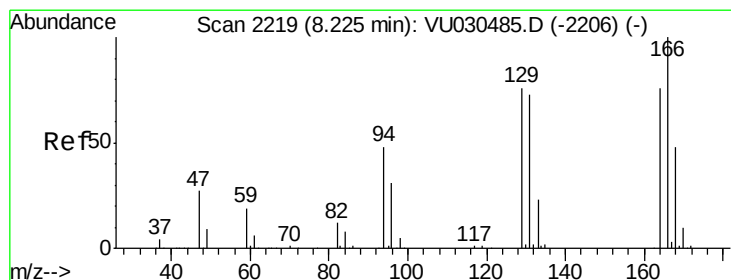
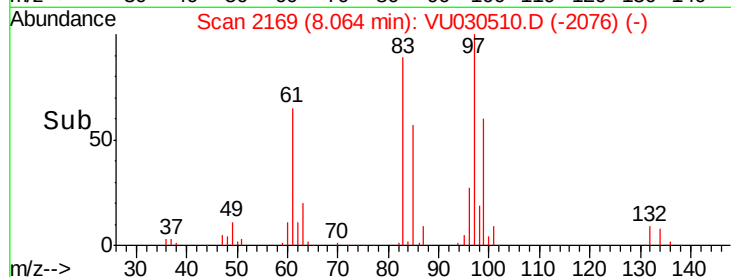
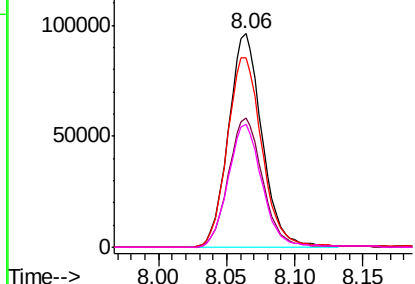
#45
 1,1,2-Trichloroethane
 Concen: 54.626 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	97	Resp:	165019
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.0	81.8
83	88.6	65.3	121.3
85	57.5	41.8	77.6

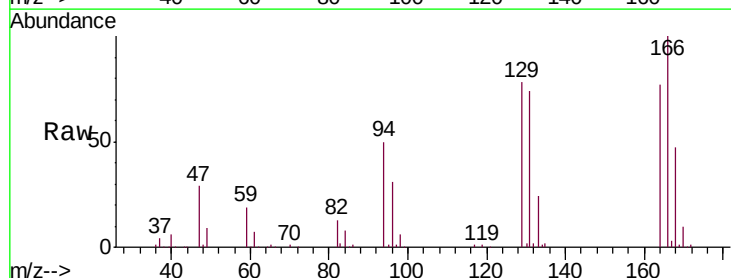


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

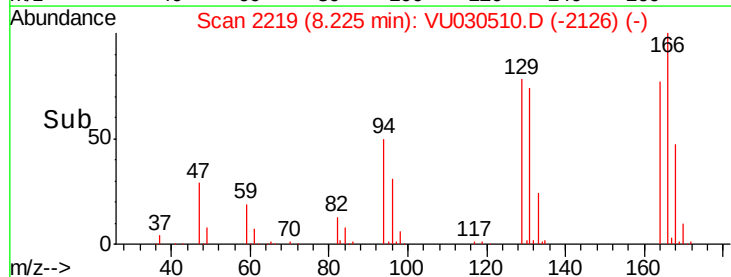
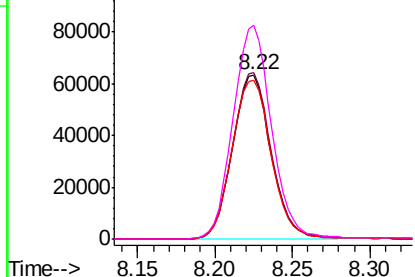


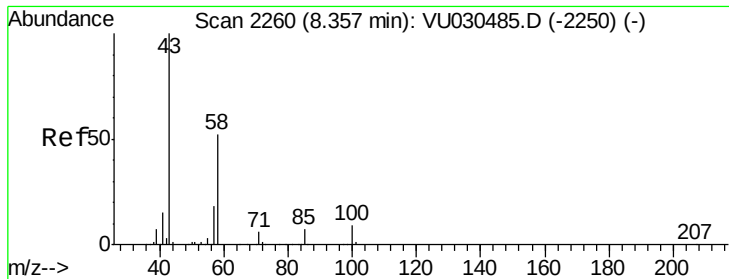
#46
 Tetrachloroethene
 Concen: 50.810 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion:	164	Resp:	109911
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.1	126.5
131	96.6	67.7	125.7
166	130.2	92.4	171.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 105.296 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

Tgt Ion: 43 Resp: 518260

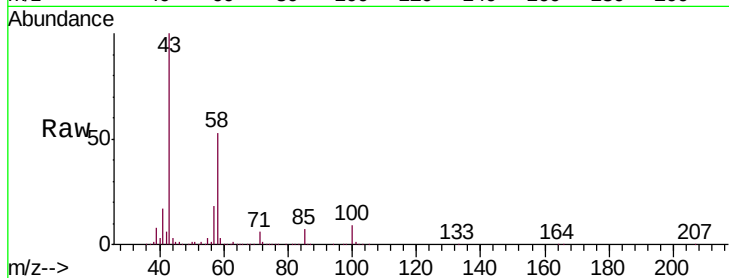
Ion Ratio Lower Upper

43 100

58 52.3 42.5 63.7

57 18.4 15.0 22.6

100 8.9 7.4 11.2

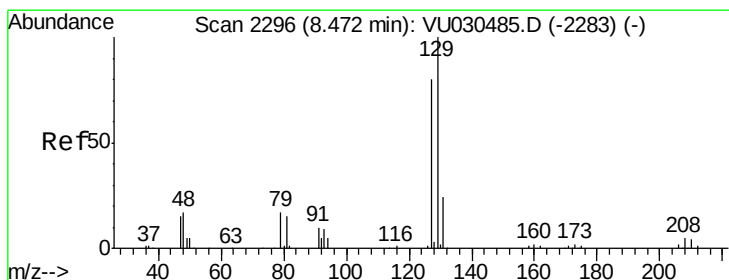
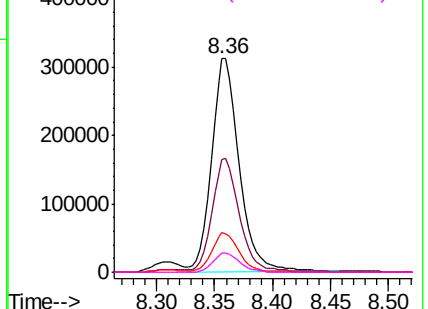
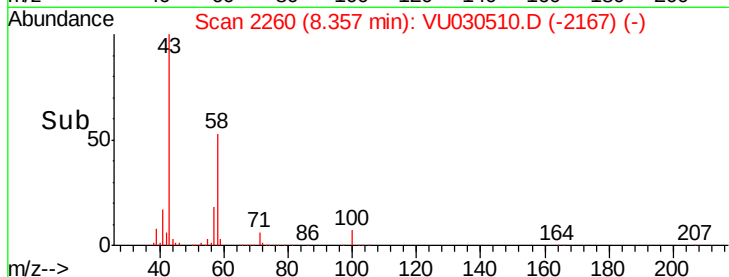


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 54.473 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU030510.D

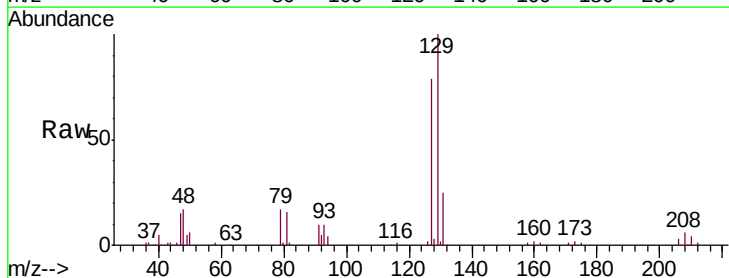
Acq: 28 Mar 2019 01:48

Tgt Ion: 129 Resp: 170985

Ion Ratio Lower Upper

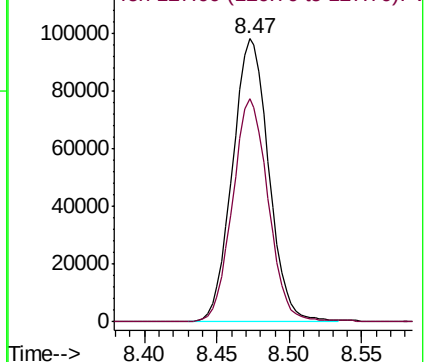
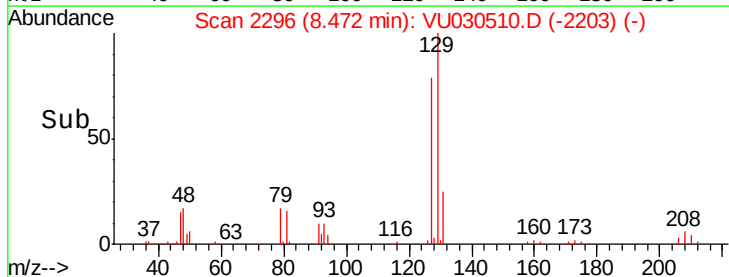
129 100

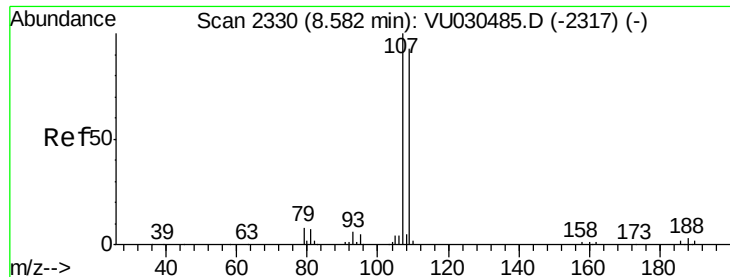
127 78.9 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

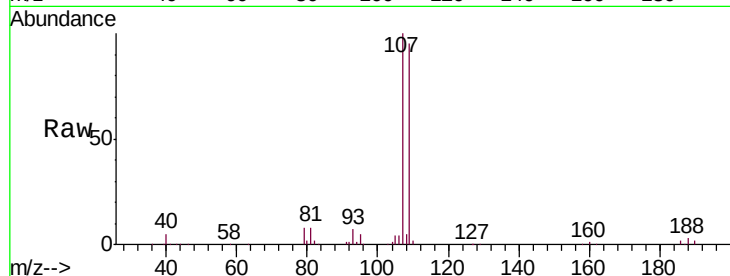




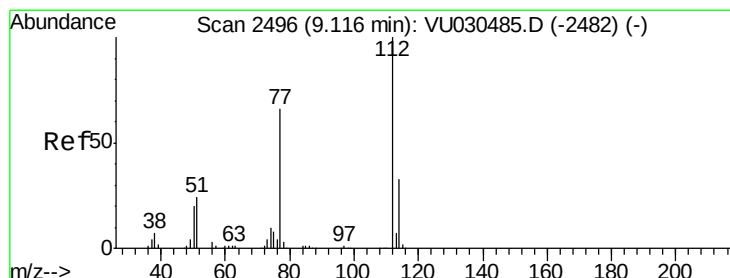
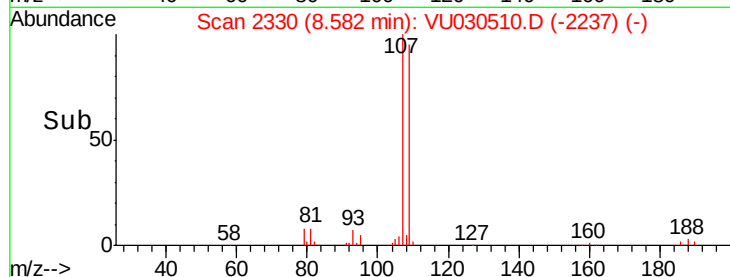
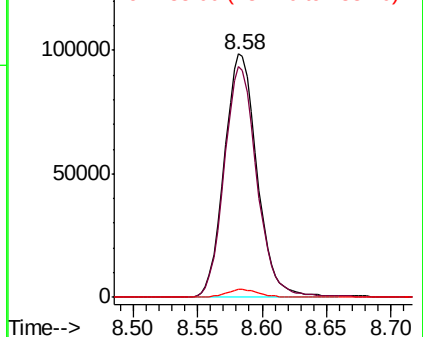
#50
1,2-Dibromoethane
Concen: 53.700 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU030510.D
Acq: 28 Mar 2019 01:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Tgt Ion:107 Resp: 174100
Ion Ratio Lower Upper
107 100
109 94.8 65.8 122.2
188 3.1 2.6 4.0

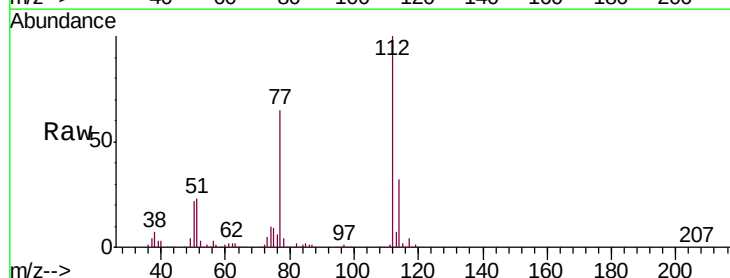


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

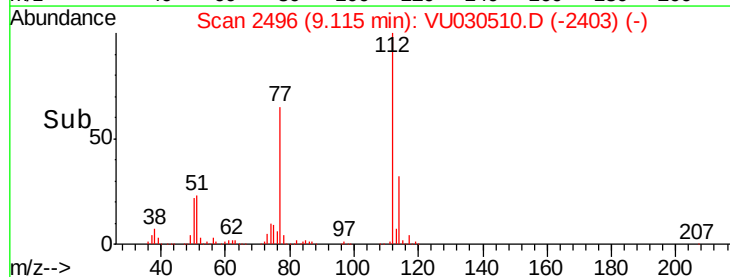
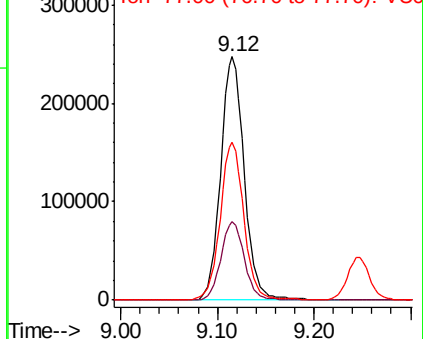


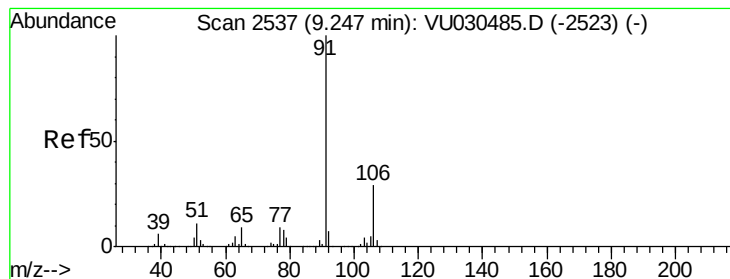
#51
Chlorobenzene
Concen: 52.666 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030510.D
Acq: 28 Mar 2019 01:48

Tgt Ion:112 Resp: 417335
Ion Ratio Lower Upper
112 100
114 32.0 21.5 39.9
77 64.8 51.4 77.0



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





#52

Ethylbenzene

Concen: 53.581 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

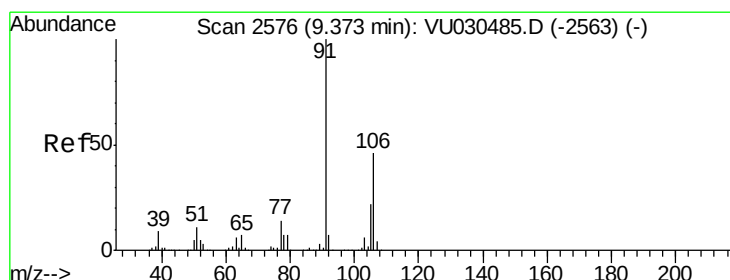
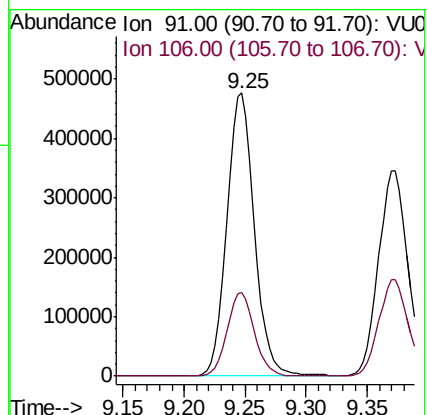
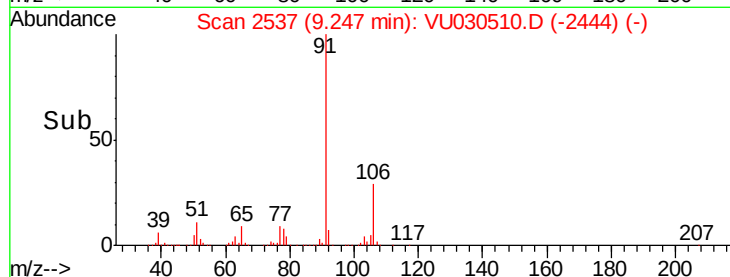
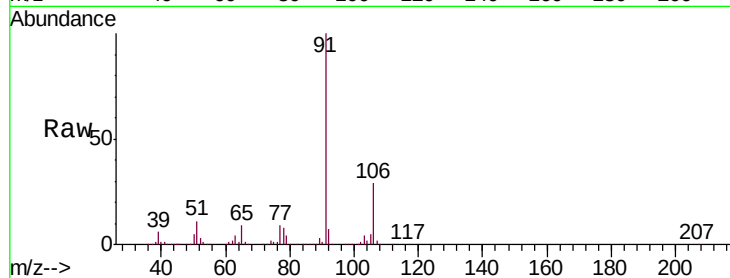
VSTD05037

Tgt Ion: 91 Resp: 758914

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 53.403 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030510.D

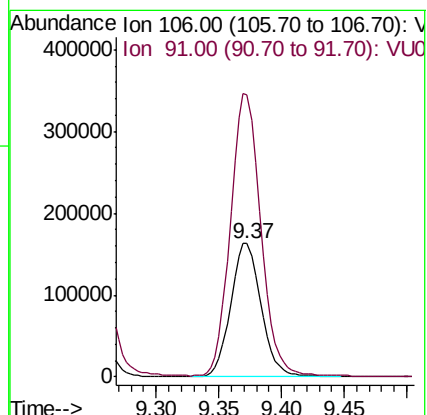
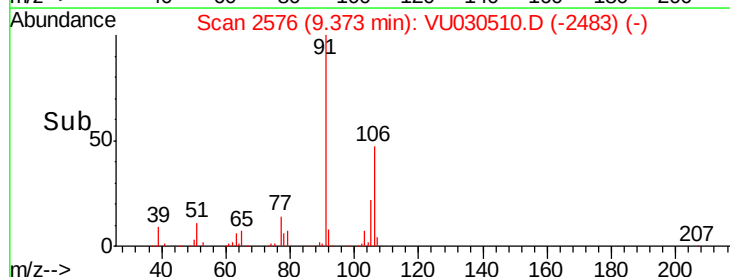
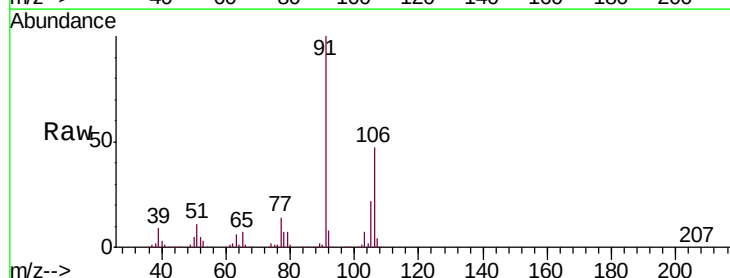
Acq: 28 Mar 2019 01:48

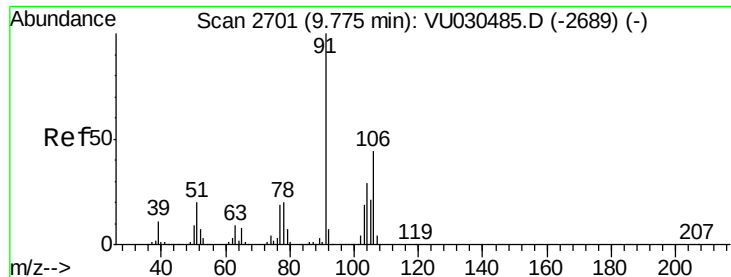
Tgt Ion: 106 Resp: 273110

Ion Ratio Lower Upper

106 100

91 211.5 151.2 280.8





#54

o-xylene

Concen: 54.893 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

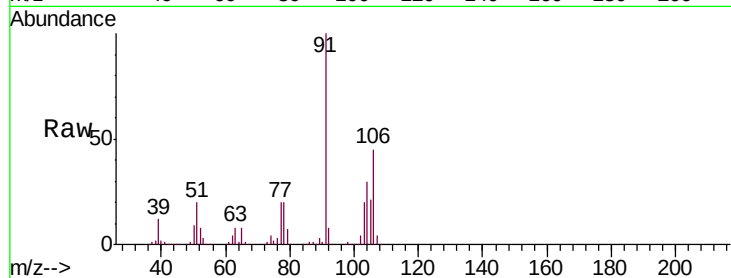
VSTD05037

Tgt Ion:106 Resp: 273923

Ion Ratio Lower Upper

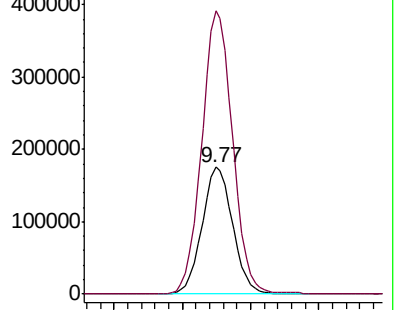
106 100

91 223.4 159.6 296.4

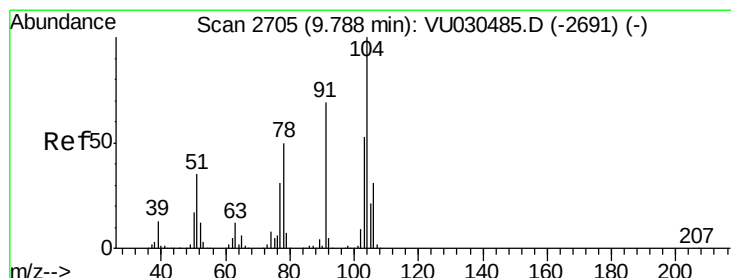
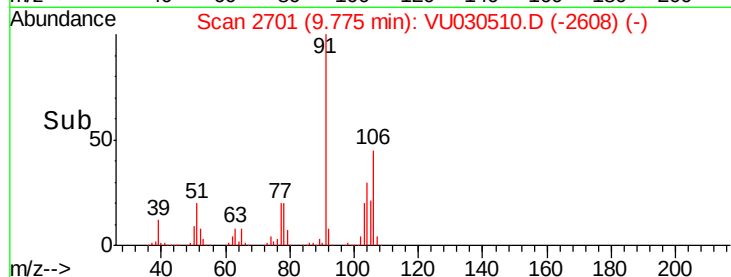


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 54.145 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030510.D

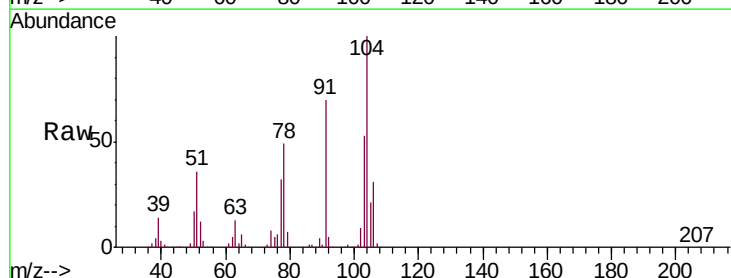
Acq: 28 Mar 2019 01:48

Tgt Ion:104 Resp: 465426

Ion Ratio Lower Upper

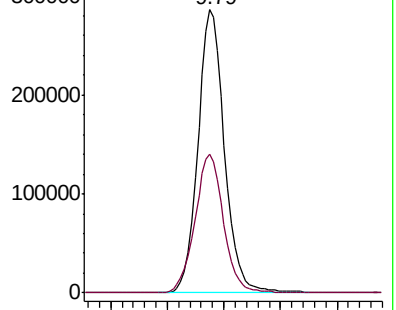
104 100

78 49.2 35.1 65.3

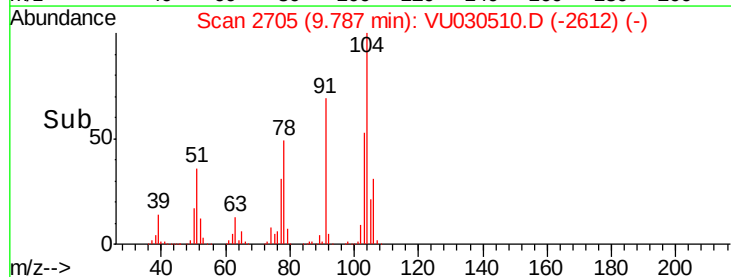


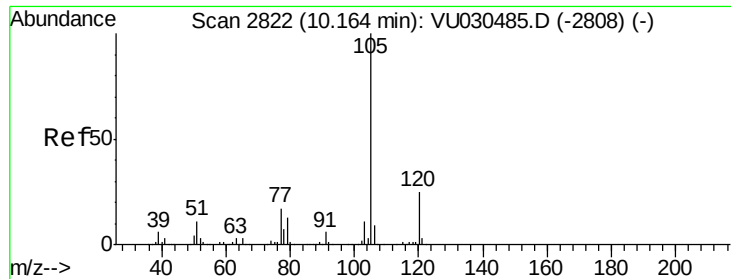
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 53.680 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

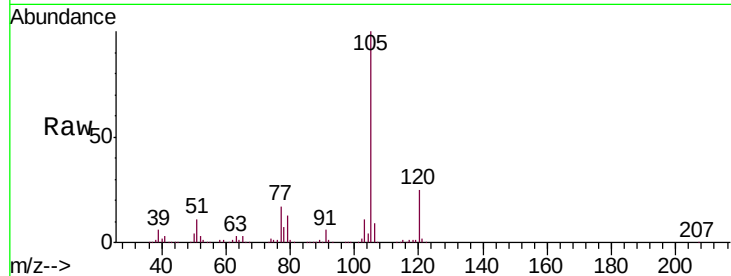
Tgt Ion: 105 Resp: 709272

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2

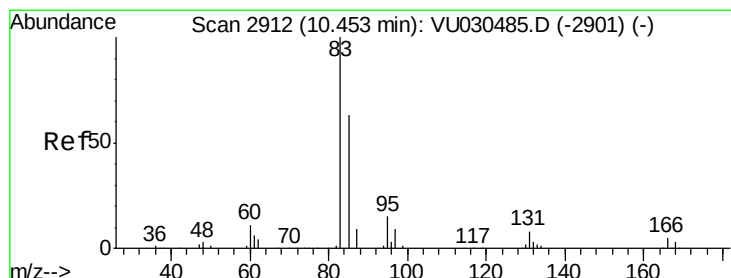
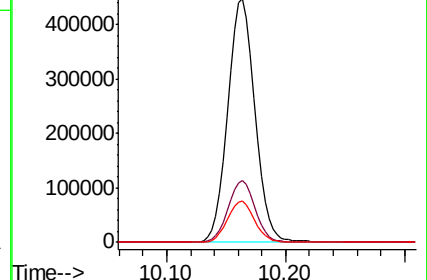
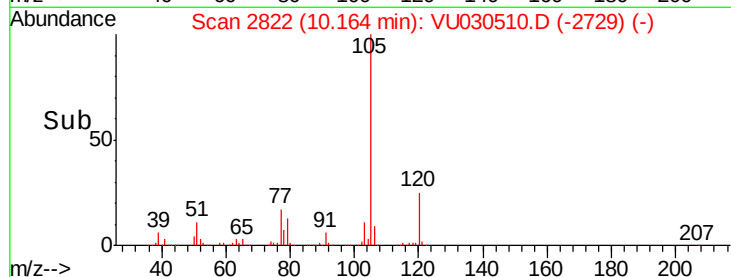
77 16.9 13.2 19.8



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: 54.526 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

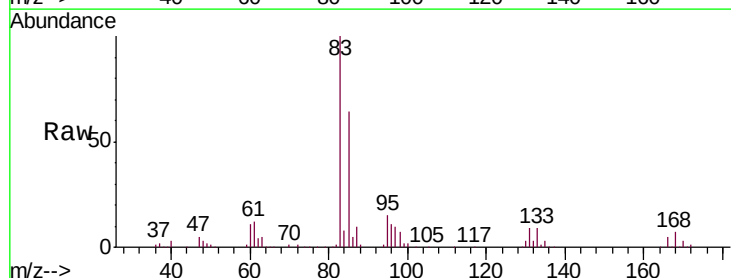
Tgt Ion: 83 Resp: 303581

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

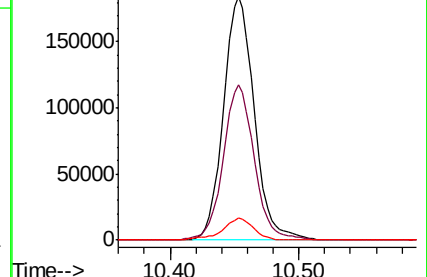
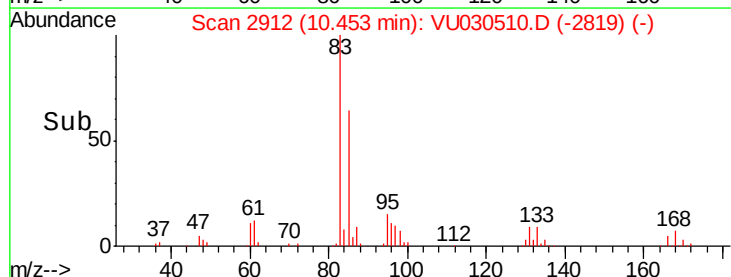
131 8.9 6.7 10.1

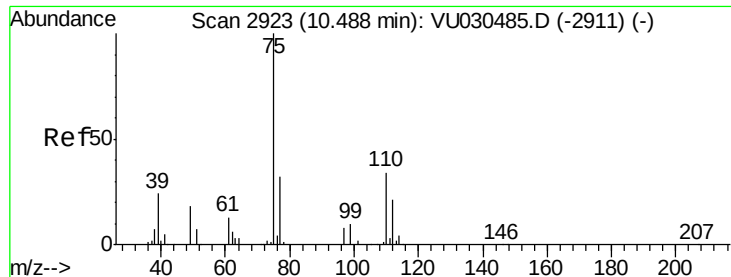


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

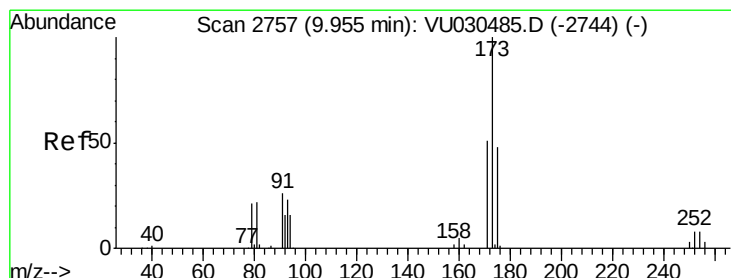
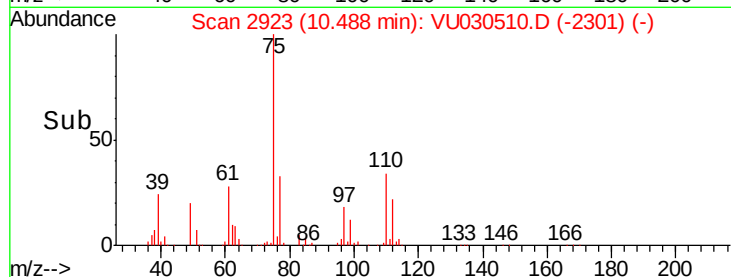
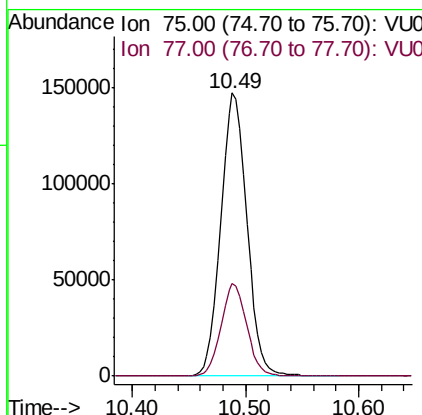
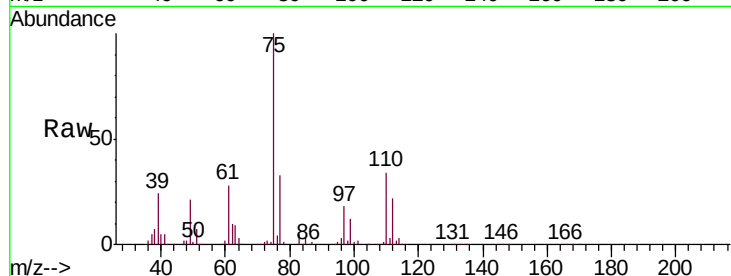




#59
 1,2,3-Trichloropropane
 Concen: 54.626 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

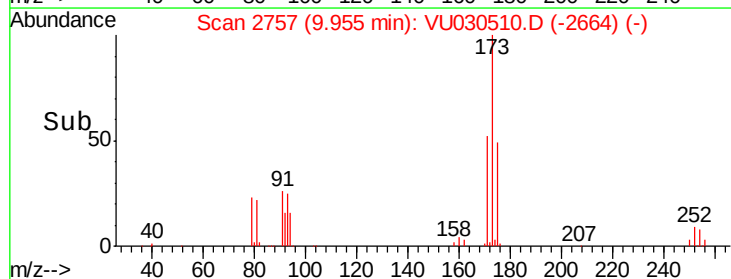
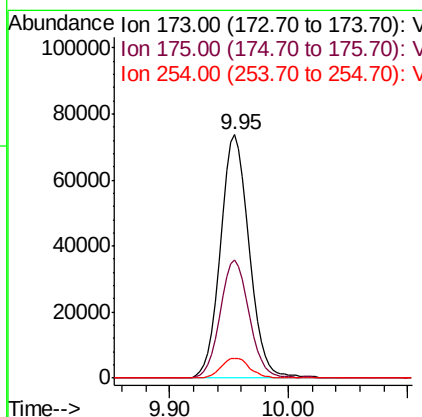
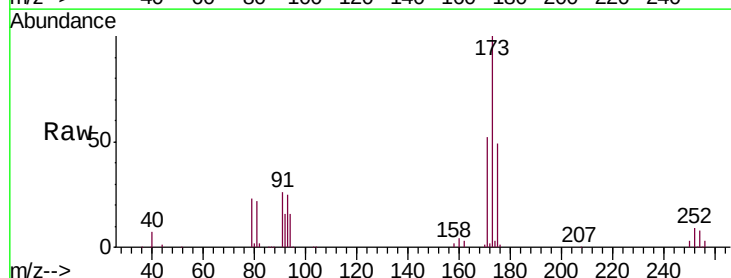
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

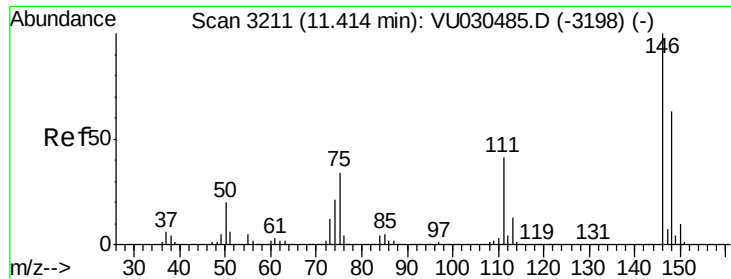
Tgt Ion: 75 Resp: 237720
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#61
 Bromoform
 Concen: 54.816 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion: 173 Resp: 123503
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.5 57.7
 254 8.2 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 52.207 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

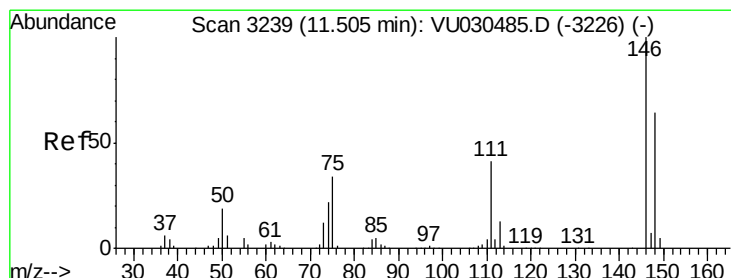
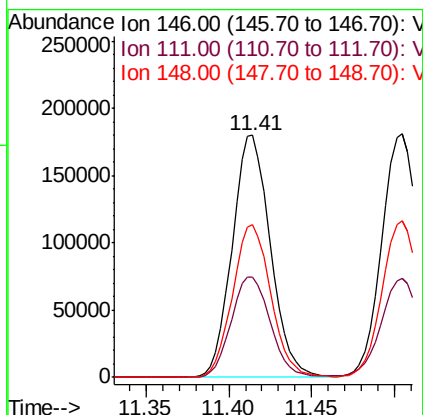
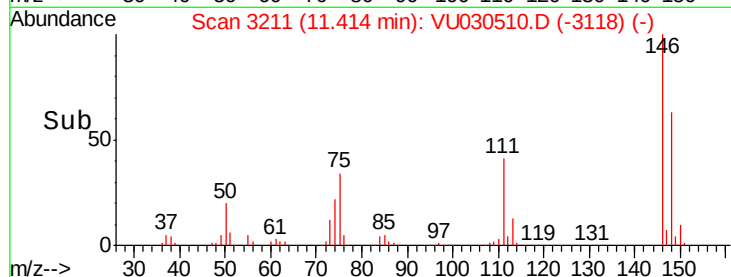
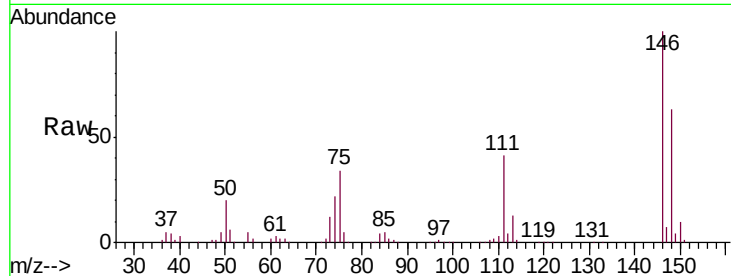
Tgt Ion:146 Resp: 289313

Ion Ratio Lower Upper

146 100

111 41.5 29.2 54.2

148 63.0 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 50.882 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

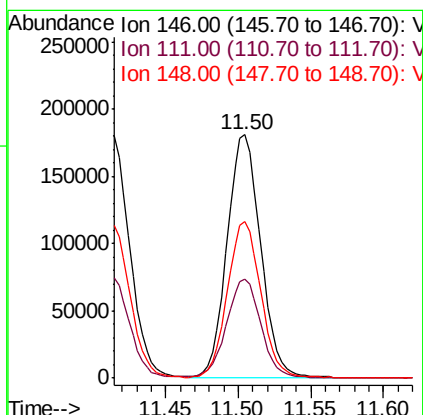
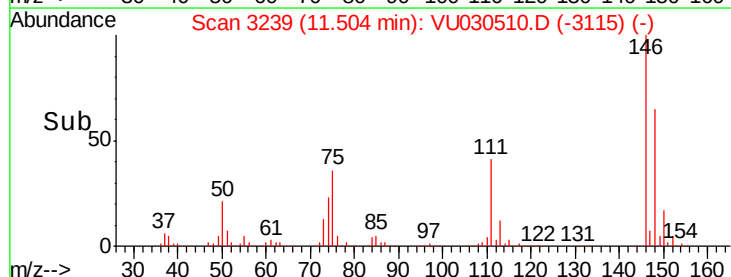
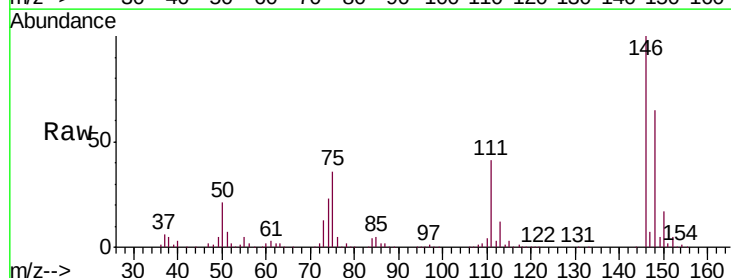
Tgt Ion:146 Resp: 290282

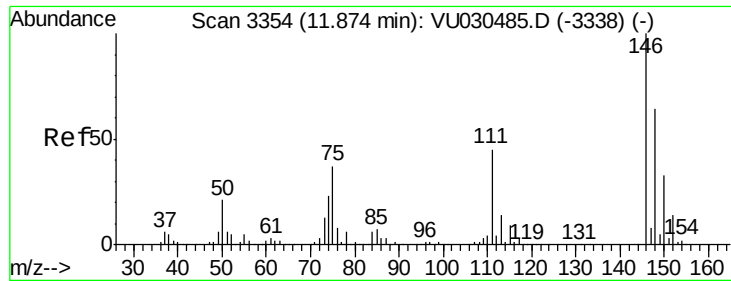
Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

148 64.6 44.3 82.3

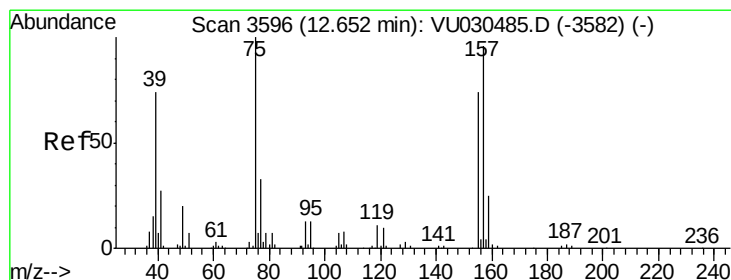
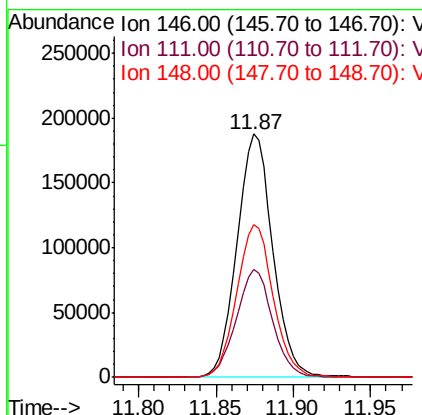
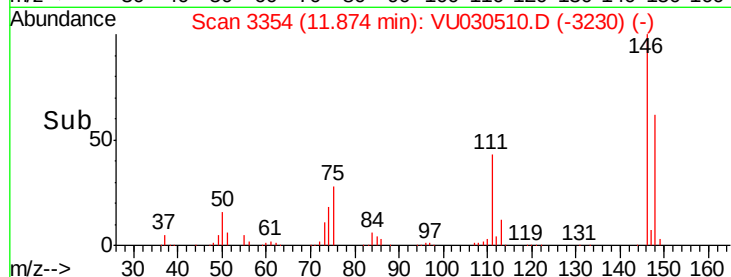
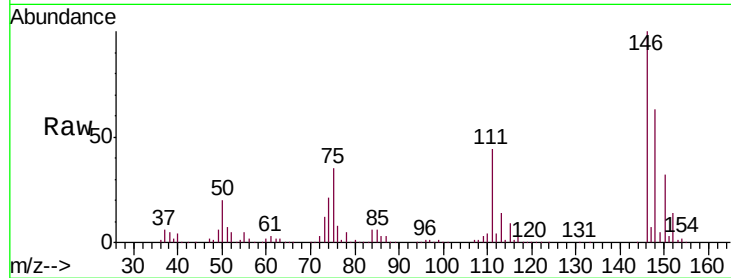




#65
 1,2-Dichlorobenzene
 Concen: 53.838 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

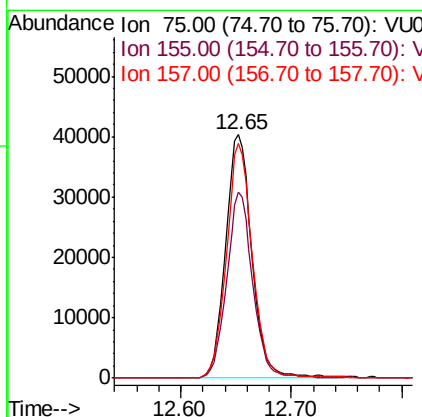
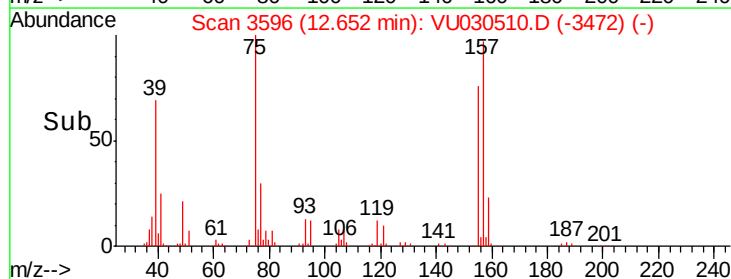
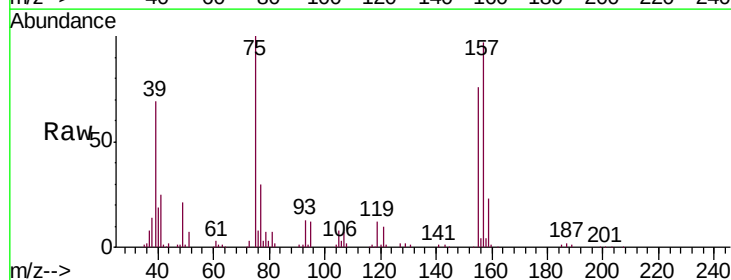
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05037

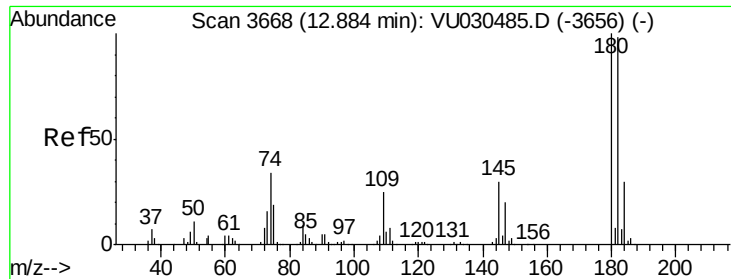
Tgt Ion: 146 Resp: 301683
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 62.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.334 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion: 75 Resp: 66545
 Ion Ratio Lower Upper
 75 100
 155 76.4 61.8 92.6
 157 96.6 80.2 120.4

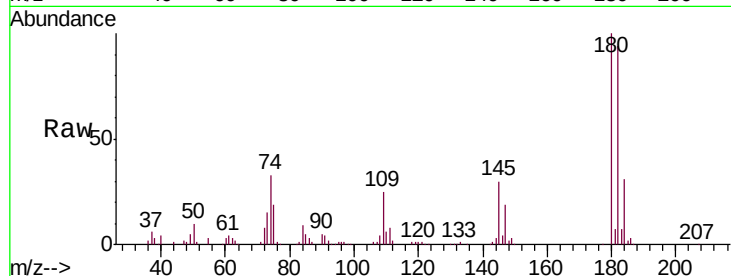




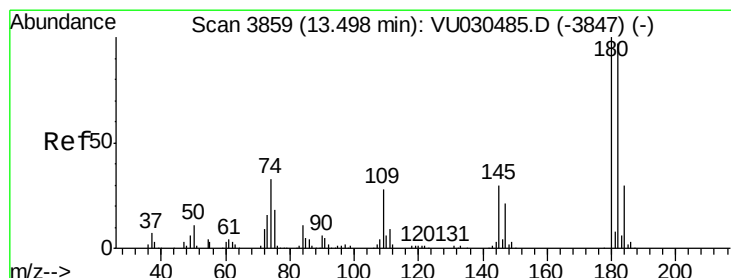
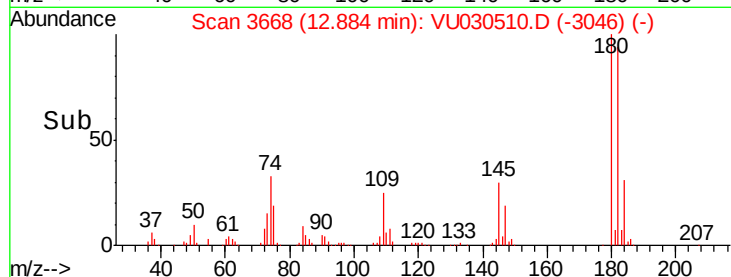
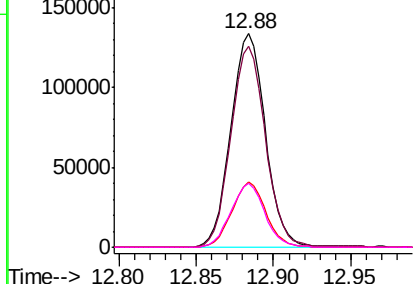
#67
 1,3,5-Trichlorobenzene
 Concen: 49.959 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	180	Resp:	207265
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.9	113.9
184	30.2	24.1	36.1
145	29.4	23.8	35.8

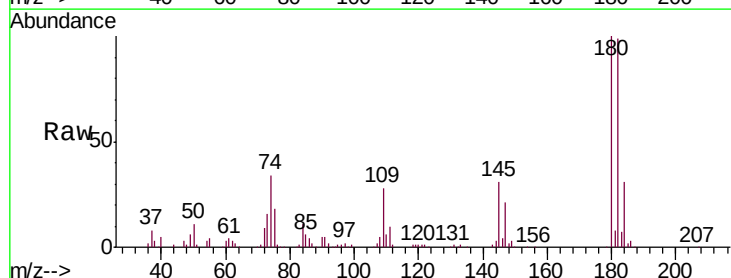


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

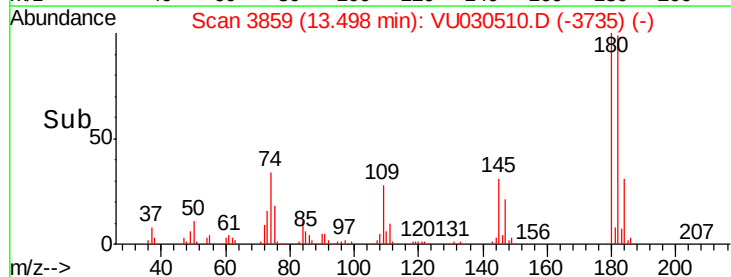
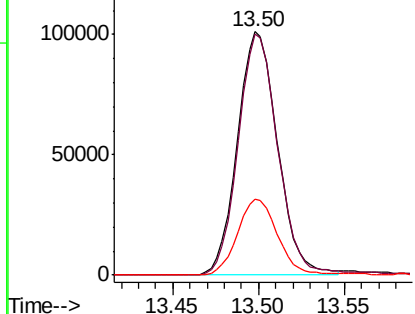


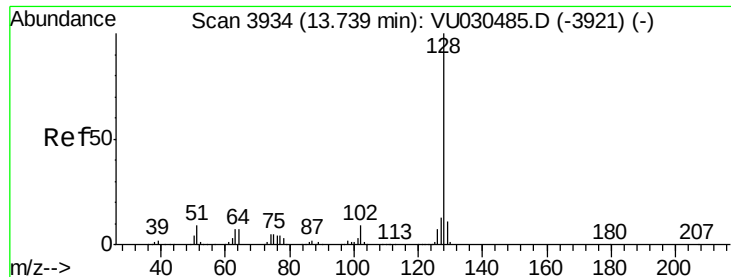
#68
 1,2,4-trichlorobenzene
 Concen: 45.625 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030510.D
 Acq: 28 Mar 2019 01:48

Tgt Ion:	180	Resp:	164462
Ion Ratio	Lower	Upper	
180	100		
182	99.0	76.1	114.1
145	31.2	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: 44.537 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

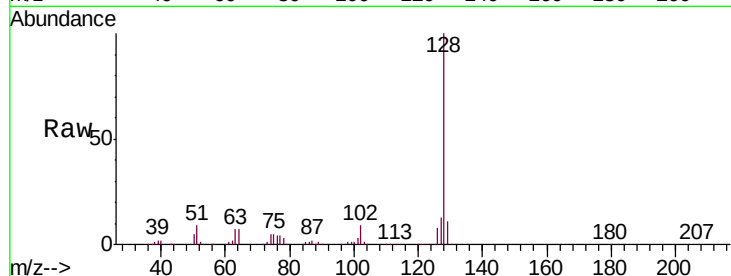
Tgt Ion:128 Resp: 570855

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

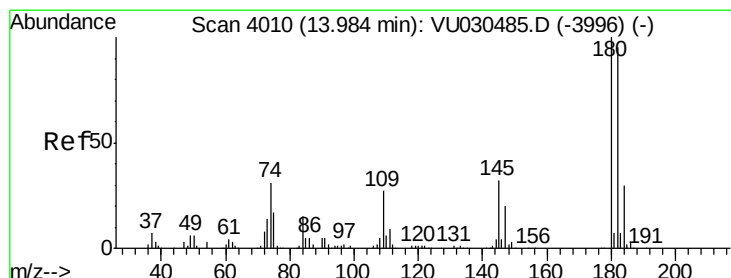
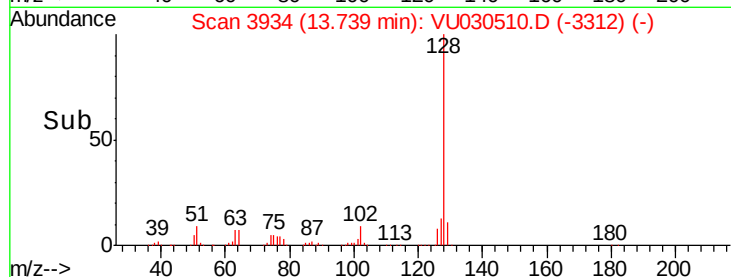
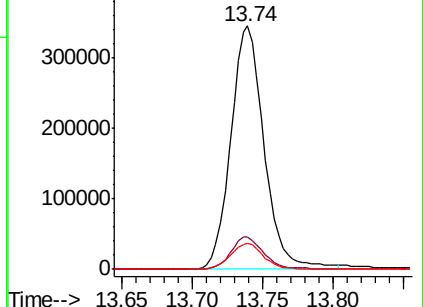
129 10.8 8.4 12.6



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: 48.570 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030510.D

Acq: 28 Mar 2019 01:48

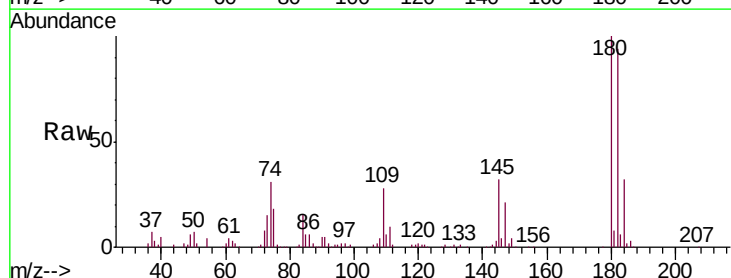
Tgt Ion:180 Resp: 184875

Ion Ratio Lower Upper

180 100

182 94.1 77.4 116.2

145 31.5 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

