

Data File : VU030249.D
Acq On : 21 Mar 2019 01:53
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Quant Time: Mar 22 01:35:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	537440	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	530839	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	269764	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	183639	50.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.06%
7) Chloroethane-d5	1.68	69	151258	52.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.10%
11) 1,1-Dichloroethene-d2	2.27	63	333689	50.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.66%
21) 2-Butanone-d5	4.17	46	298294	110.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.64%
24) Chloroform-d	4.65	84	347098	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	5.31	65	195918	51.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.00%
32) Benzene-d6	5.34	84	729707	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.34%
36) 1,2-Dichloropropane-d6	6.33	67	224670	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.82%
41) Toluene-d8	7.56	98	678357	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%
43) trans-1,3-Dichloropropene-	7.85	79	104716	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
47) 2-Hexanone-d5	8.31	63	245002	109.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	344564	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	274324	50.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	220346	48.425 ug/L	99
3) Chloromethane	1.33	50	218449	49.597 ug/L	99
5) Vinyl chloride	1.40	62	235758	50.424 ug/L	100
6) Bromomethane	1.62	94	101161	39.981 ug/L	99
8) Chloroethane	1.69	64	138915	50.252 ug/L	97
9) Trichlorofluoromethane	1.88	101	296082	49.865 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	174367	48.294 ug/L	99
12) 1,1-Dichloroethene	2.28	96	179638	50.100 ug/L	98
13) Acetone	2.32	43	189586	67.297 ug/L	99
14) Carbon disulfide	2.48	76	513185	47.920 ug/L	99
15) Methyl Acetate	2.61	43	208571	50.912 ug/L	100
16) Methylene chloride	2.70	84	207059	50.917 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	188962	50.007 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	571630	52.590 ug/L	100
19) 1,1-Dichloroethane	3.44	63	336690	51.803 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	214870	51.901 ug/L	98
22) 2-Butanone	4.26	43	307059	92.740 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	110449	49.846	ug/L	99
25) Chloroform	4.67	83	344099	50.819	ug/L	100
27) 1,2-Dichloroethane	5.40	62	241071	50.230	ug/L	99
29) Cyclohexane	4.99	56	289488	50.190	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	289757	50.649	ug/L	99
31) Carbon tetrachloride	5.13	117	251868	49.731	ug/L	100
33) Benzene	5.39	78	790103	51.589	ug/L	100
34) Trichloroethene	6.18	95	199989	49.542	ug/L	98
35) Methylcyclohexane	6.41	83	306218	48.376	ug/L	100
37) 1,2-Dichloropropane	6.43	63	204447	52.123	ug/L	99
38) Bromodichloromethane	6.75	83	254988	50.561	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	311543	49.505	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	552774	102.541	ug/L	99
42) Toluene	7.63	91	867436	52.036	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	273598	50.243	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	205906	51.140	ug/L	99
46) Tetrachloroethene	8.23	164	167738	49.181	ug/L	100
48) 2-Hexanone	8.36	43	433305	96.844	ug/L	99
49) Dibromochloromethane	8.47	129	226520	50.171	ug/L	97
50) 1,2-Dibromoethane	8.58	107	225343	50.481	ug/L	98
51) Chlorobenzene	9.12	112	558361	50.628	ug/L	99
52) Ethylbenzene	9.25	91	919759	50.806	ug/L	100
53) m,p-Xylene	9.37	106	361591	51.843	ug/L	99
54) o-xylene	9.77	106	357086	52.082	ug/L	97
55) Styrene	9.79	104	607620	52.306	ug/L	100
56) Isopropylbenzene	10.16	105	905283	51.070	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	348640	50.780	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	265312	50.047	ug/L	100
61) Bromoform	9.96	173	178427	51.218	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	435987	50.657	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	456060	51.085	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	459520	52.257	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	73449	49.959	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	328302	48.808	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	305465	51.353	ug/L	99
69) Naphthalene	13.74	128	914607	48.464	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	309577	49.878	ug/L	100

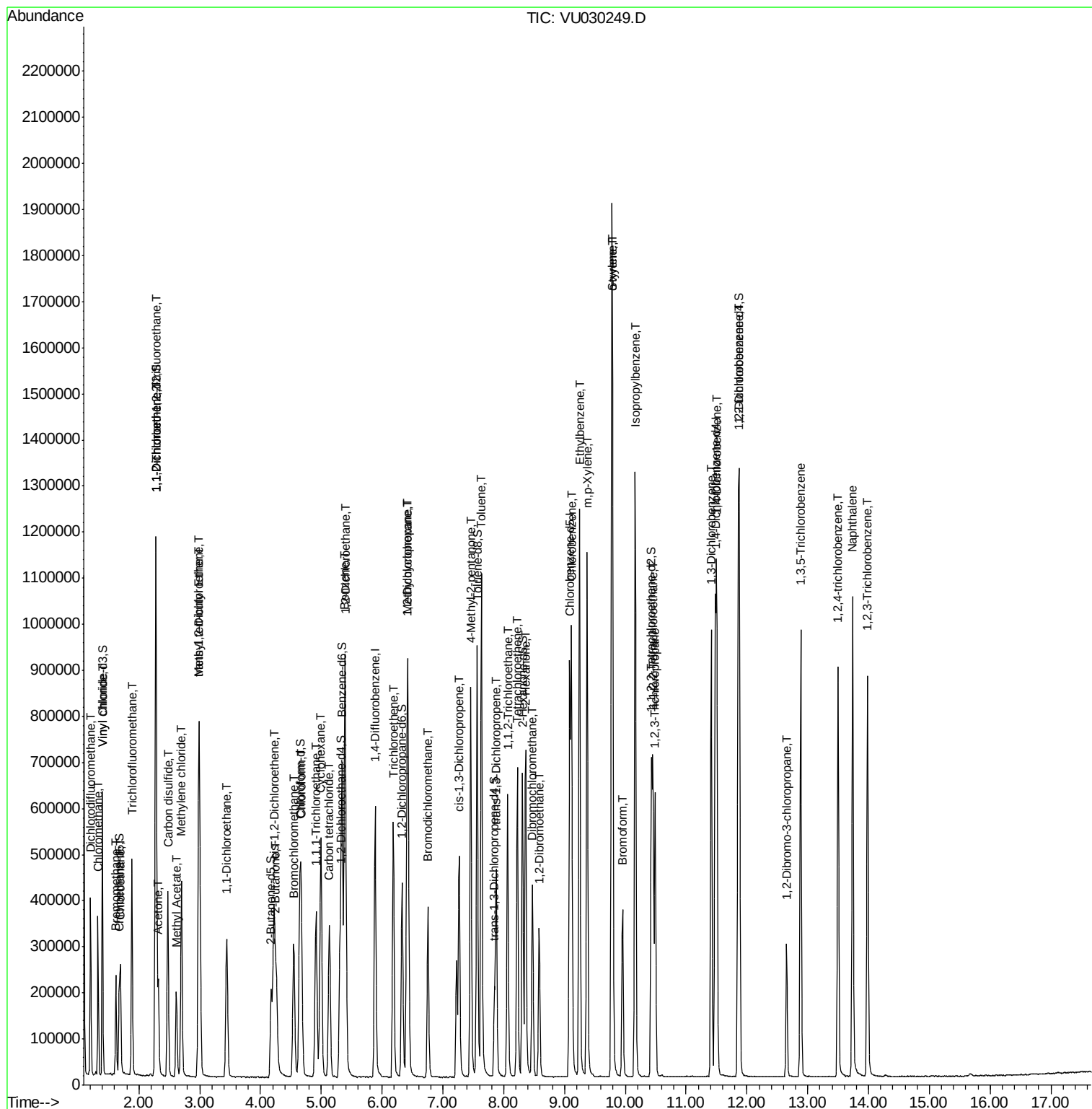
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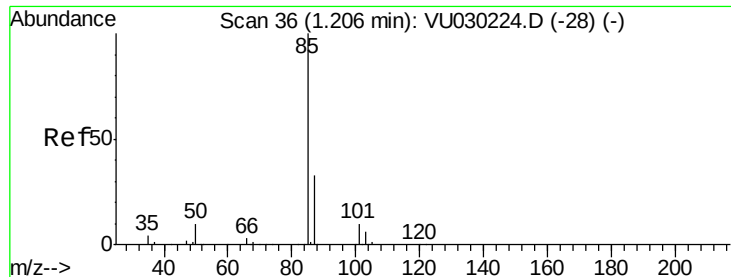
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#2

Dichlorodifluoromethane

Concen: 48.425 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

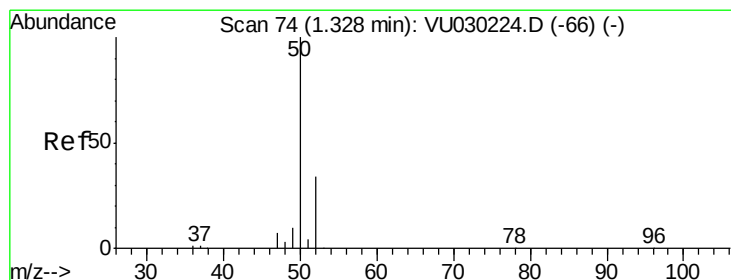
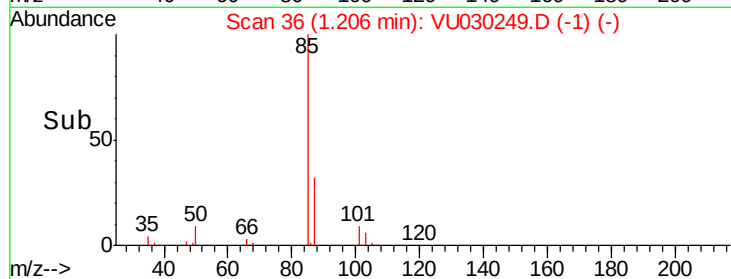
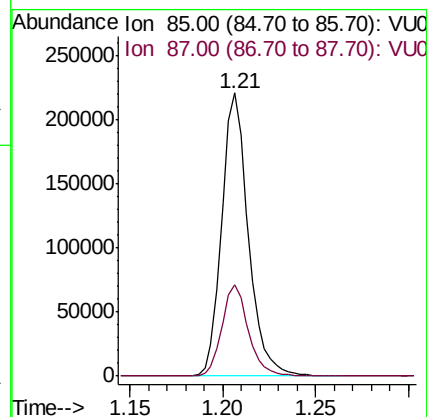
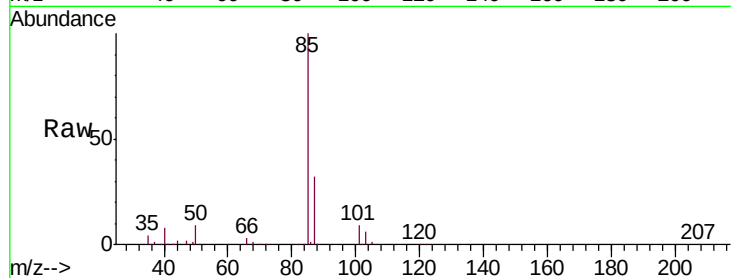
VSTD05049

Tgt Ion: 85 Resp: 220346

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



#3

Chloromethane

Concen: 49.597 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030249.D

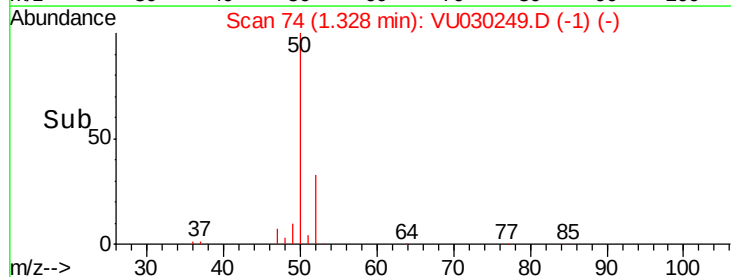
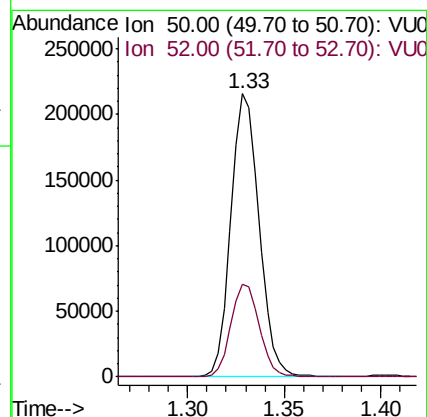
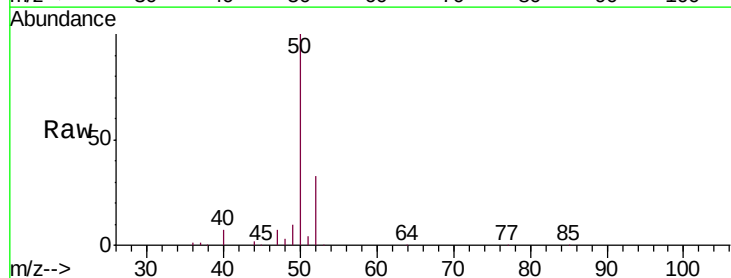
Acq: 21 Mar 2019 01:53

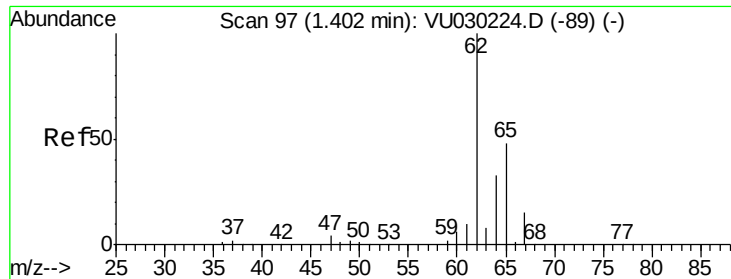
Tgt Ion: 50 Resp: 218449

Ion Ratio Lower Upper

50 100

52 32.9 23.4 43.6





#5

Vinyl chloride

Concen: 50.424 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

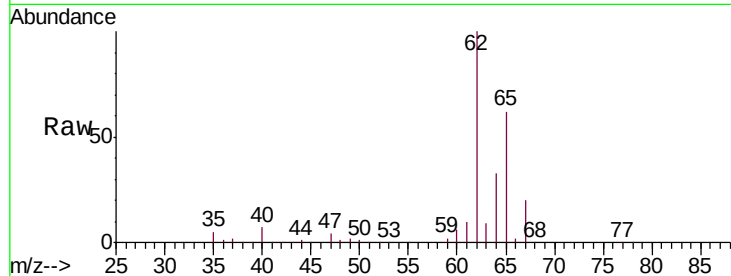
VSTD05049

Tgt Ion: 62 Resp: 235758

Ion Ratio Lower Upper

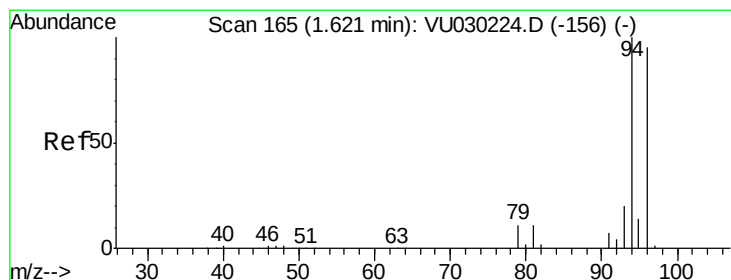
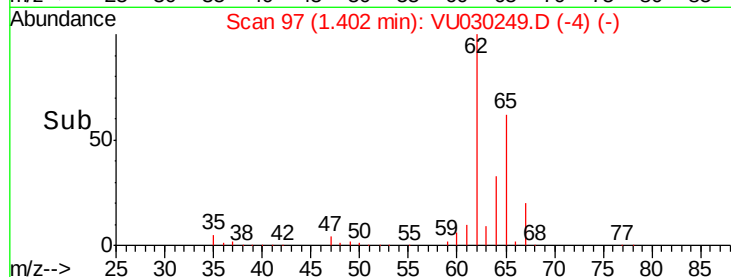
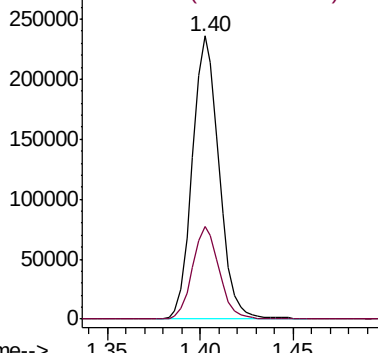
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 39.981 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU030249.D

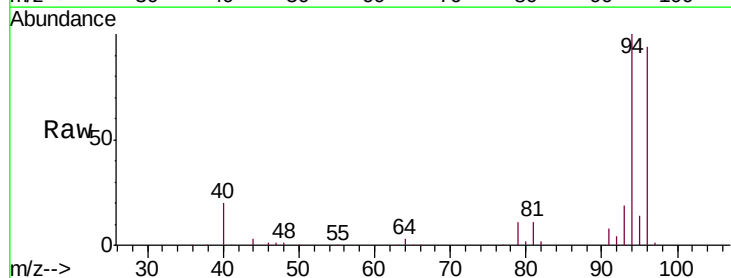
Acq: 21 Mar 2019 01:53

Tgt Ion: 94 Resp: 101161

Ion Ratio Lower Upper

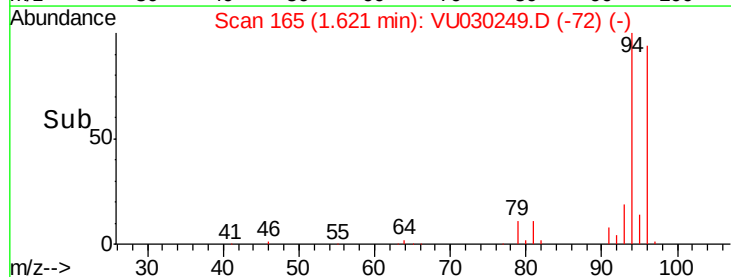
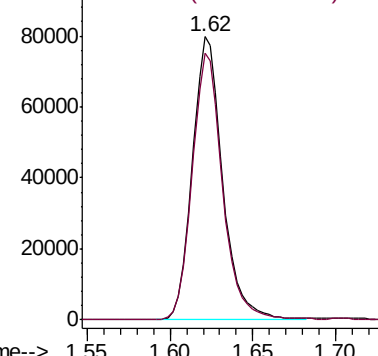
94 100

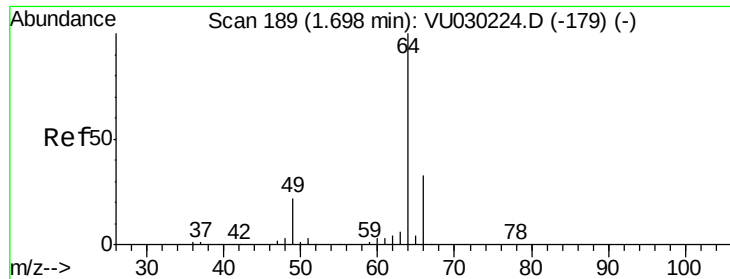
96 94.2 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

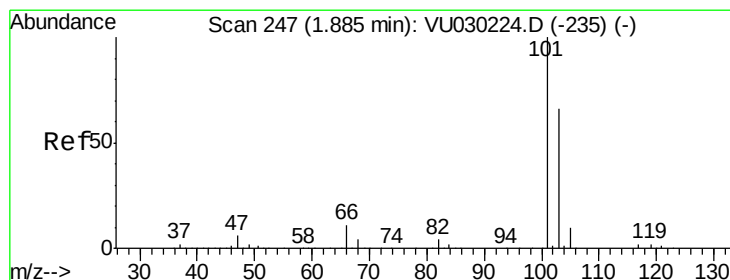
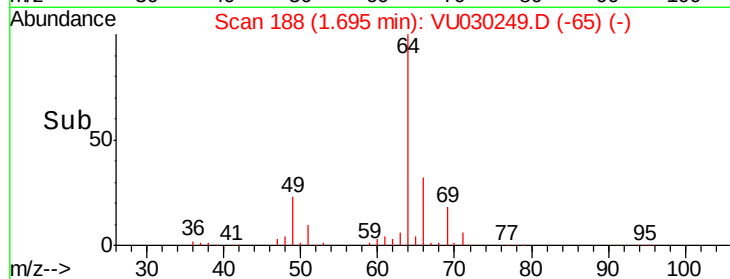
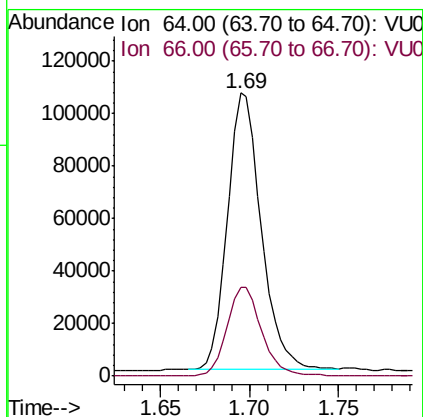
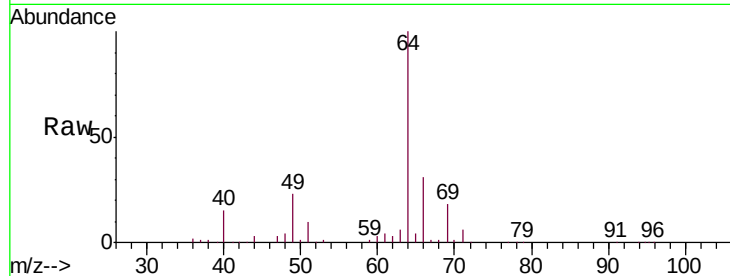




#8
Chloroethane
Concen: 50.252 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

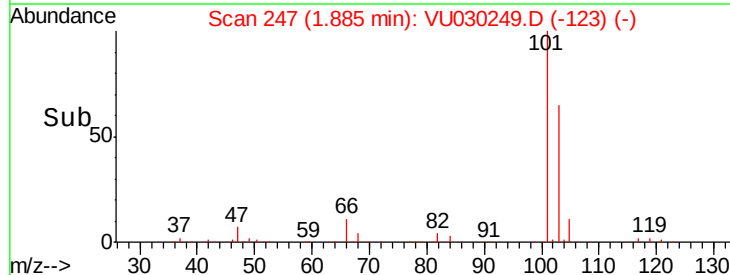
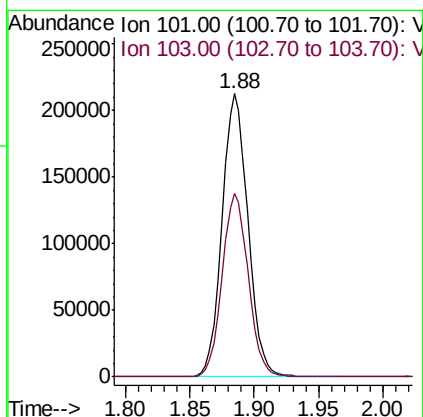
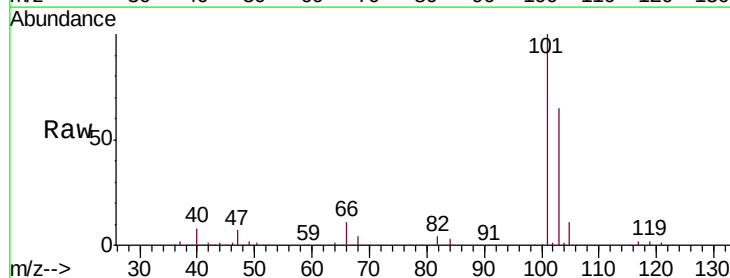
Instrument :
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ClientSampleId :
VSTD05049

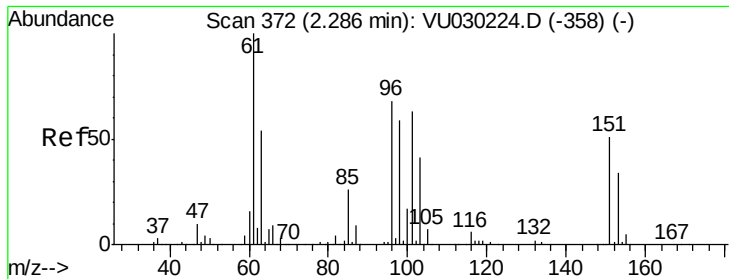
Tgt Ion: 64 Resp: 138915
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.0



#9
Trichlorofluoromethane
Concen: 49.865 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion: 101 Resp: 296082
Ion Ratio Lower Upper
101 100
103 65.3 51.6 77.4





#10

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

Concen: 48.294 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

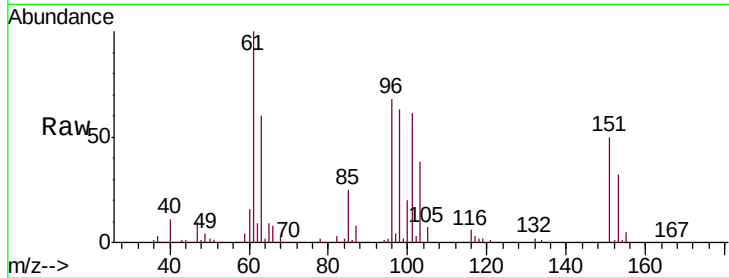
Tgt Ion: 101 Resp: 174367

Ion Ratio Lower Upper

101 100

85 41.6 32.5 48.7

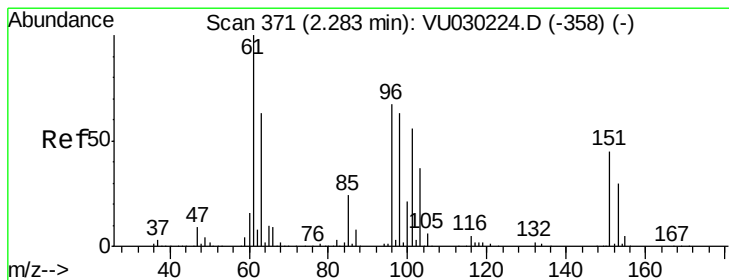
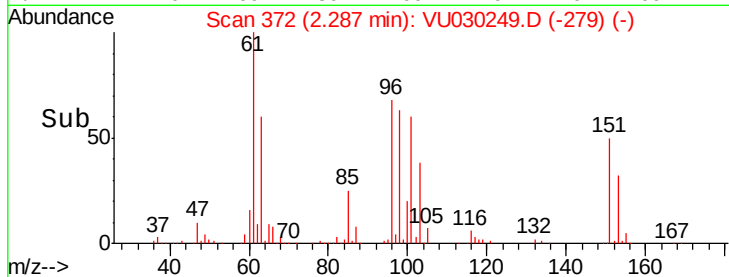
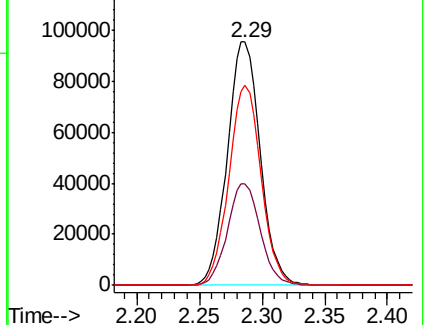
151 80.7 64.7 97.1



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: 50.100 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

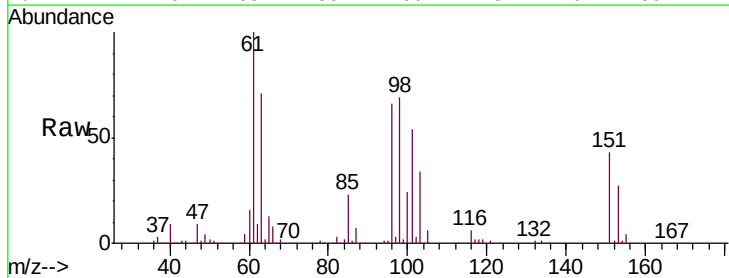
Tgt Ion: 96 Resp: 179638

Ion Ratio Lower Upper

96 100

61 150.5 104.6 194.2

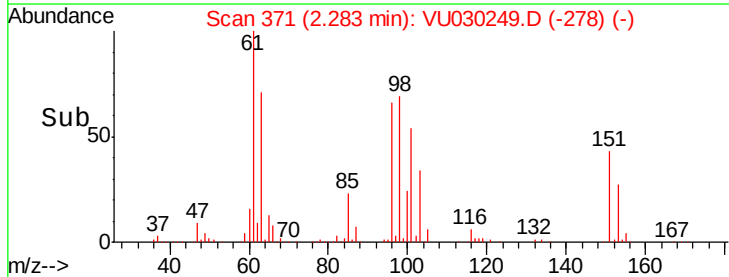
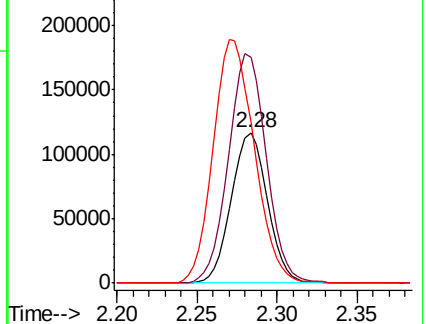
63 106.3 77.2 143.4

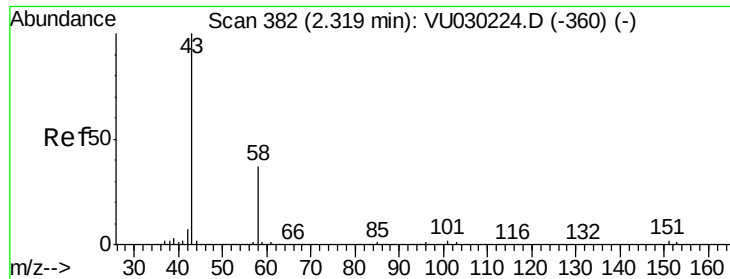


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 67.297 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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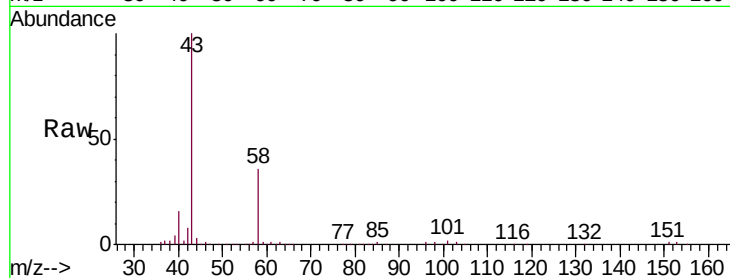
VSTD05049

Tgt Ion: 43 Resp: 189586

Ion Ratio Lower Upper

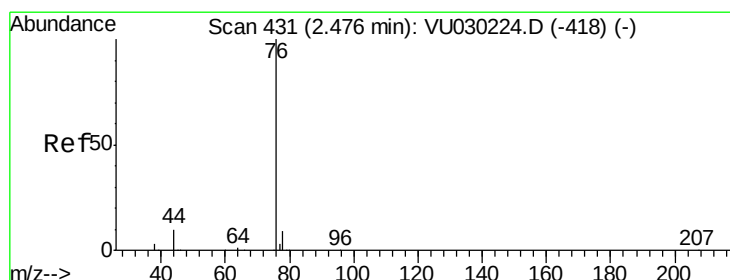
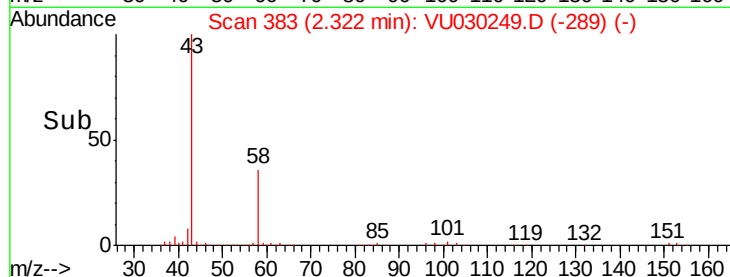
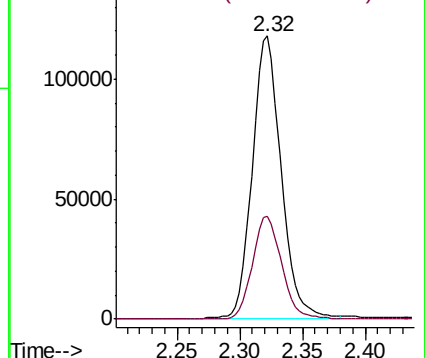
43 100

58 36.3 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030224.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030224.D (-360) (-)



#14

Carbon disulfide

Concen: 47.920 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030249.D

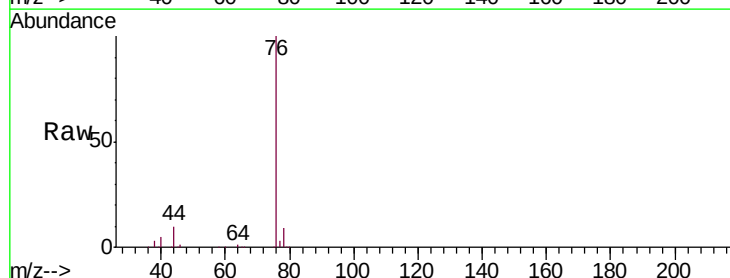
Acq: 21 Mar 2019 01:53

Tgt Ion: 76 Resp: 513185

Ion Ratio Lower Upper

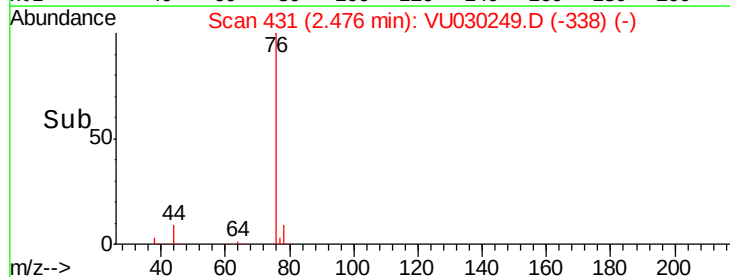
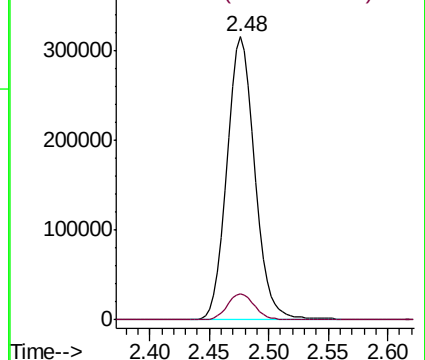
76 100

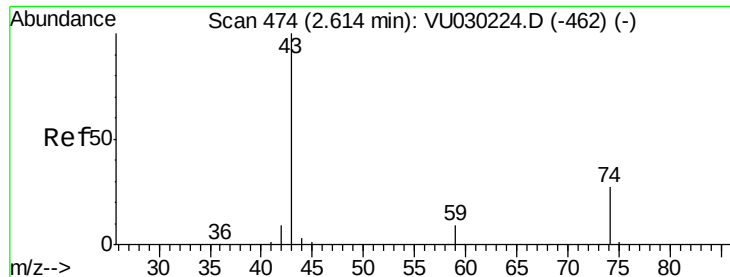
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU030224.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030224.D (-418) (-)

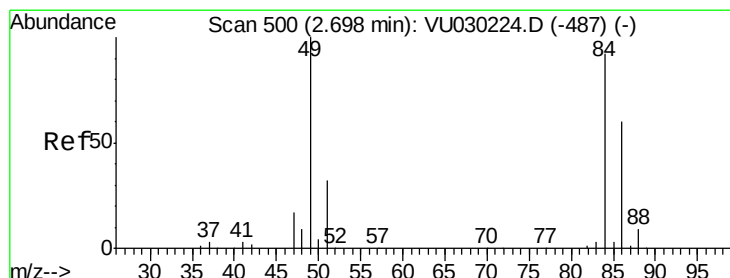
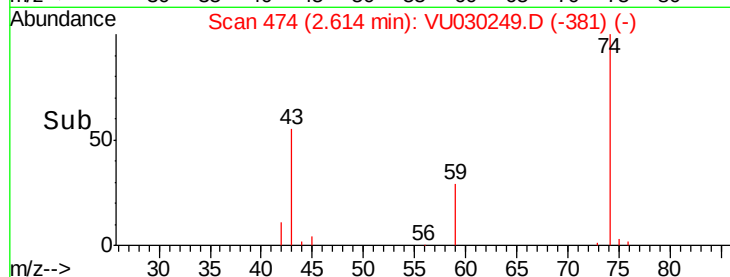
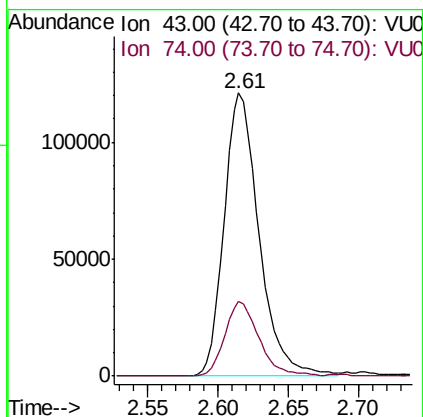
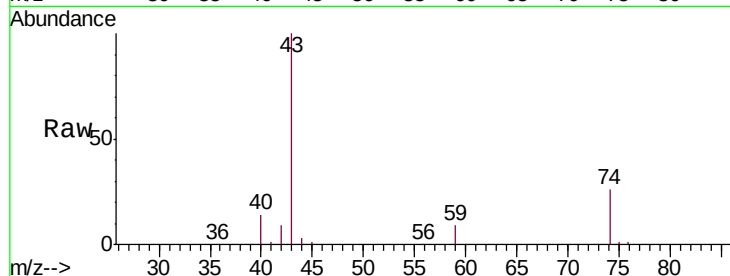




#15
Methyl Acetate
Concen: 50.912 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

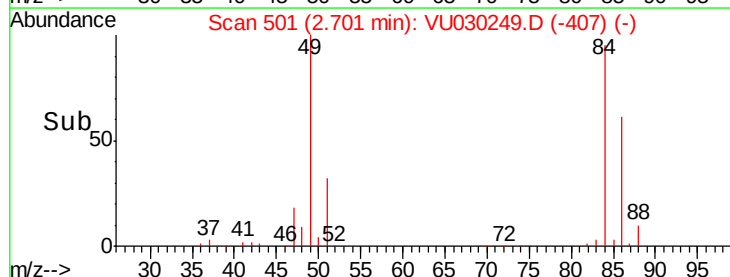
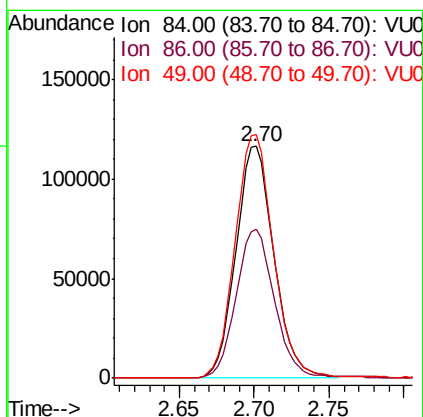
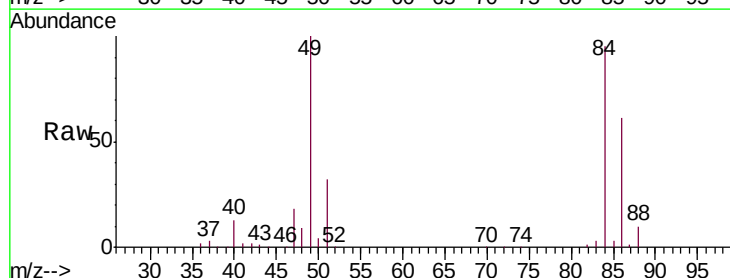
Instrument :
MSVOA_U
ClientSampled :
VSTD05049

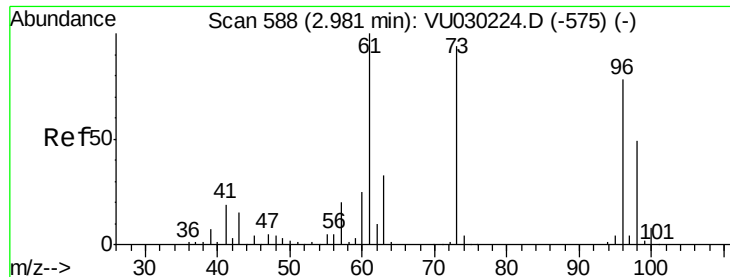
Tgt Ion: 43 Resp: 208571
Ion Ratio Lower Upper
43 100
74 25.9 20.9 31.3



#16
Methylene chloride
Concen: 50.917 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion: 84 Resp: 207059
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 105.0 75.2 139.6

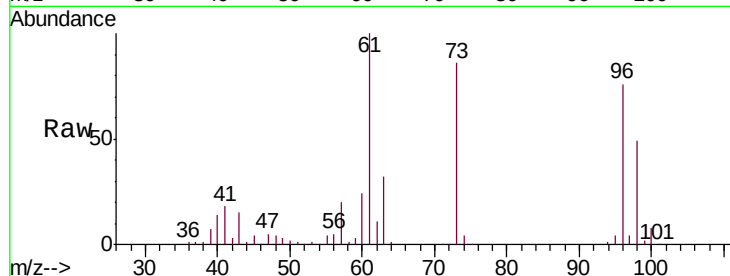




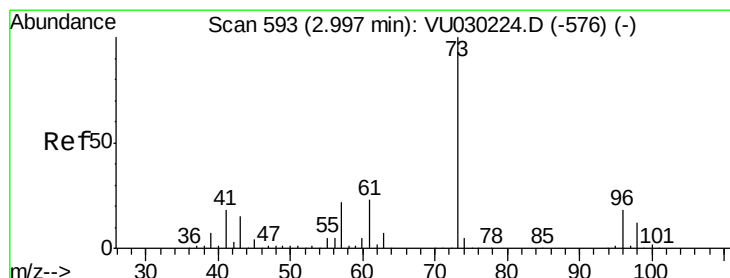
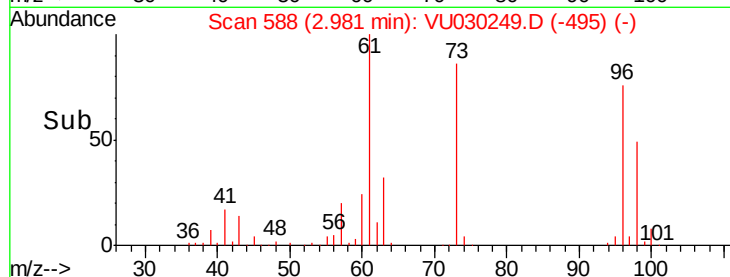
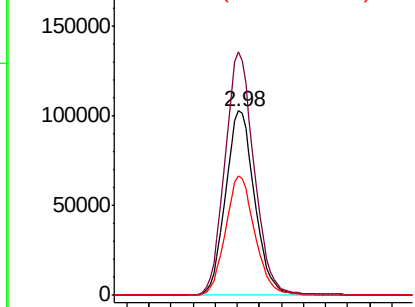
#17
trans-1,2-Dichloroethene
Concen: 50.007 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tgt Ion: 96 Resp: 188962
Ion Ratio Lower Upper
96 100
61 132.0 90.9 168.9
98 64.5 45.6 84.6

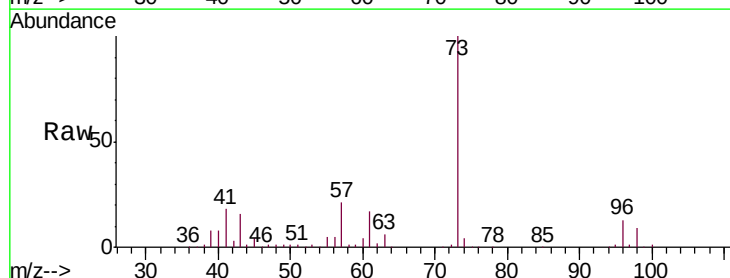


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

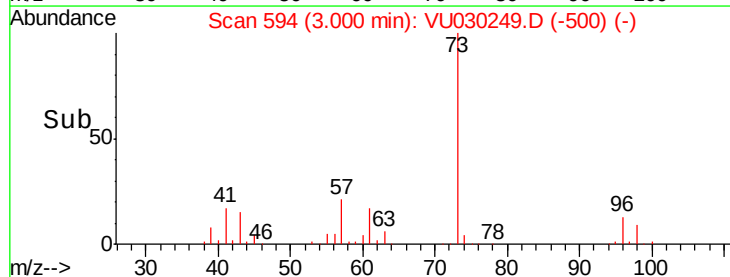
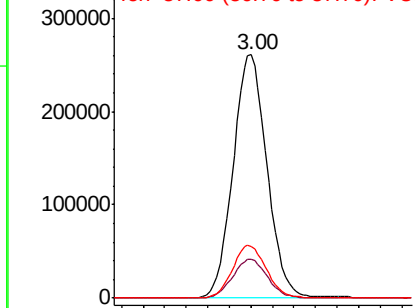


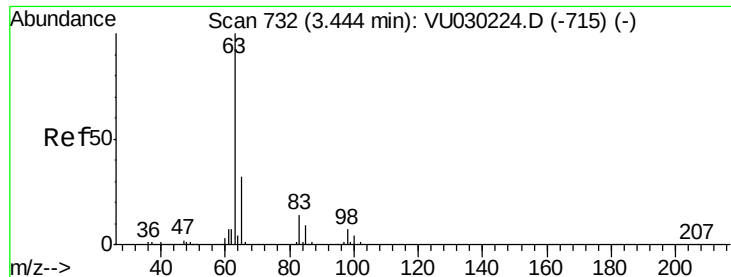
#18
Methyl tert-butyl Ether
Concen: 52.590 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion: 73 Resp: 571630
Ion Ratio Lower Upper
73 100
43 16.3 13.1 19.7
57 21.7 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

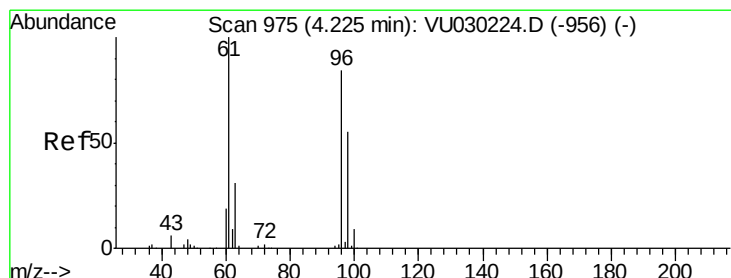
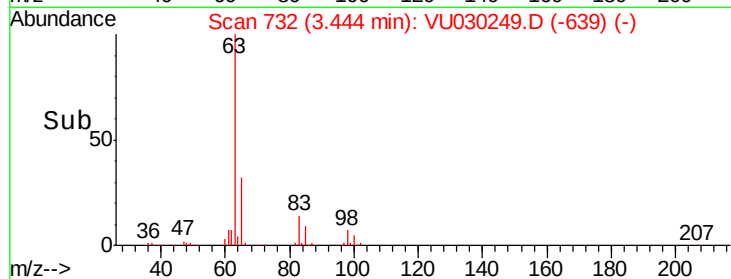
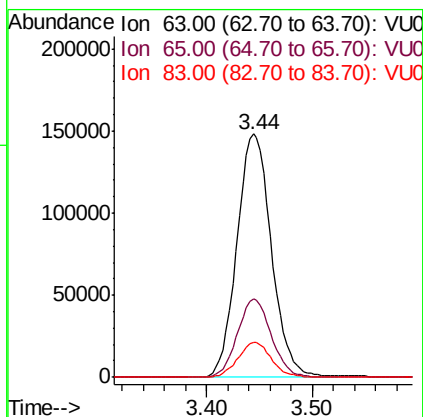
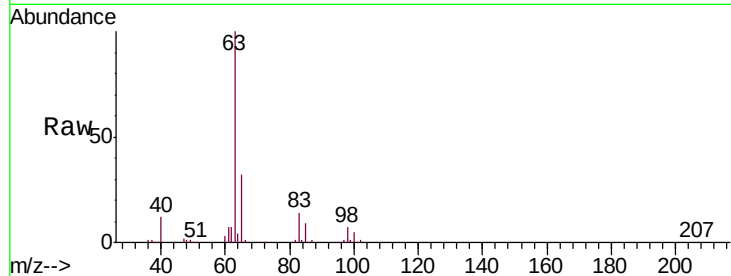




#19
 1,1-Dichloroethane
 Concen: 51.803 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

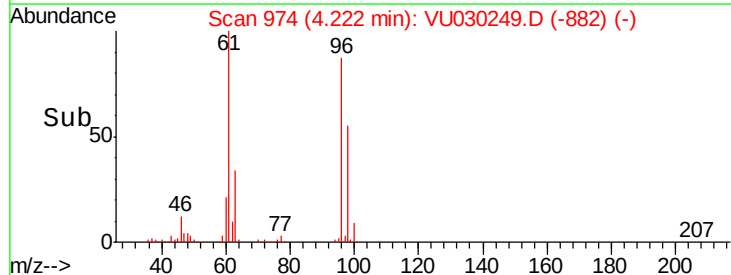
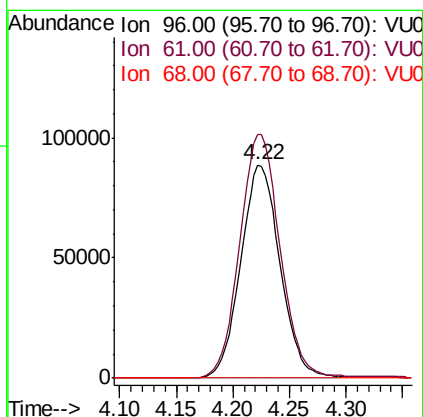
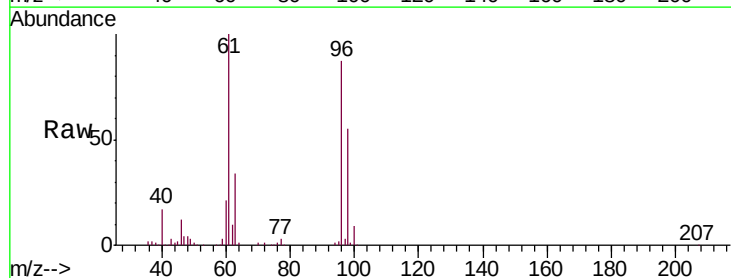
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

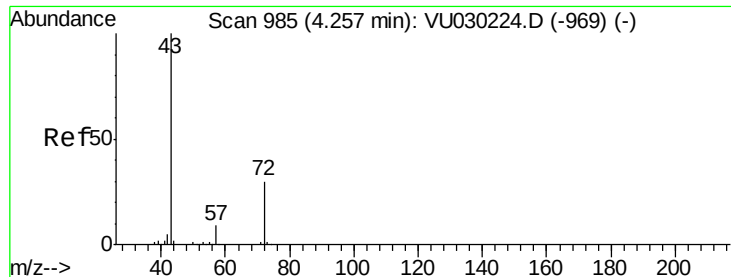
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.8	40.4
83	14.4	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.901 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.4	81.5	151.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 92.740 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

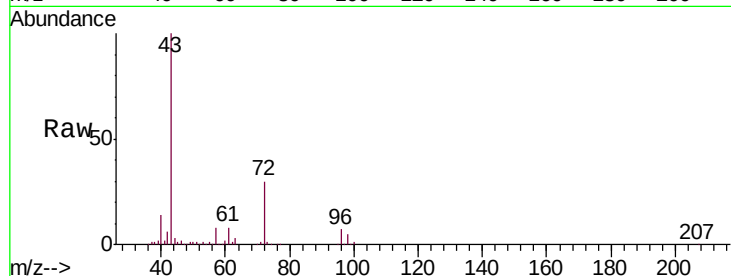
VSTD05049

Tgt Ion: 43 Resp: 307059

Ion Ratio Lower Upper

43 100

72 31.1 15.7 47.1



Abundance Ion 43.00 (42.70 to 43.70): VU030224.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU030224.D (-969) (-)

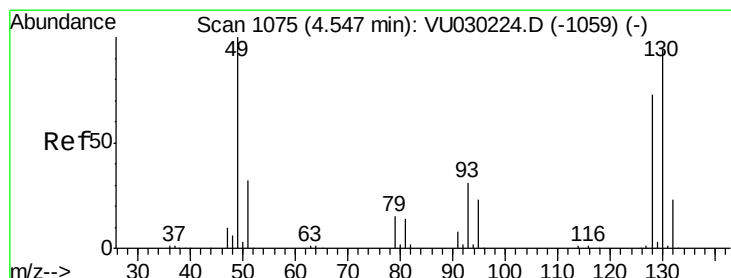
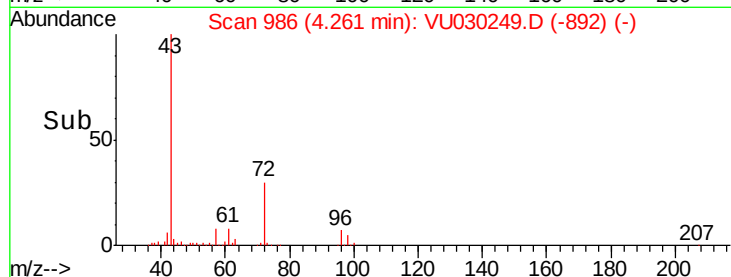
4.26

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 49.846 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Tgt Ion: 128 Resp: 110449

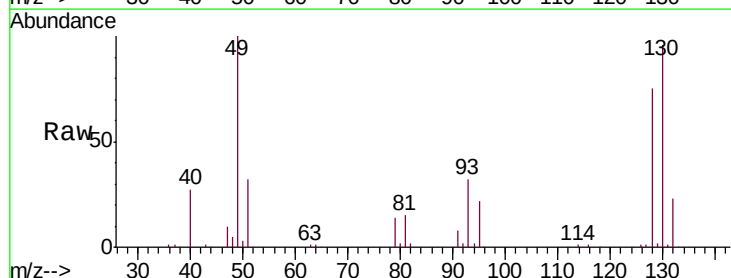
Ion Ratio Lower Upper

128 100

49 134.2 92.5 171.9

130 129.1 90.1 167.3

51 43.4 33.8 50.8



Abundance Ion 128.00 (127.70 to 128.70): VU030224.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030224.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030224.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030224.D (-1059) (-)

4.55

100000

80000

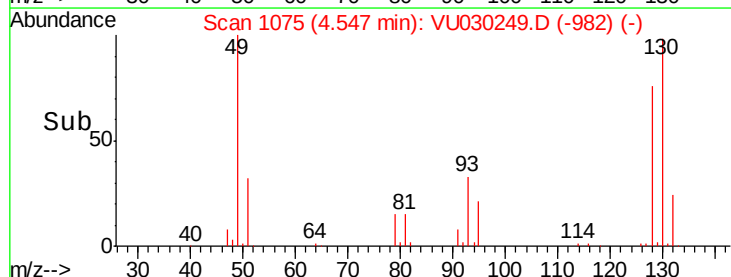
60000

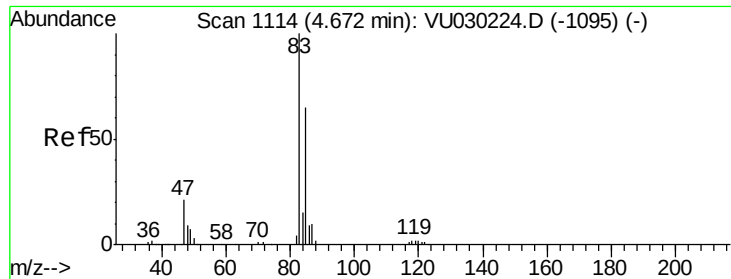
40000

20000

0

Time-->

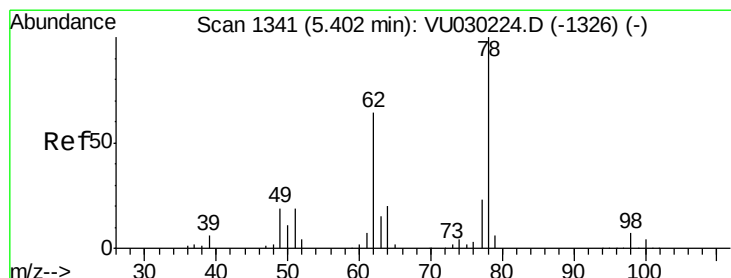
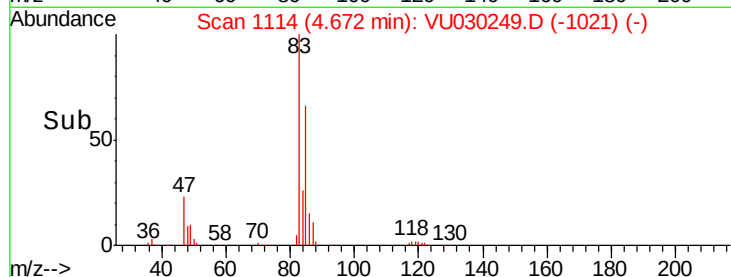
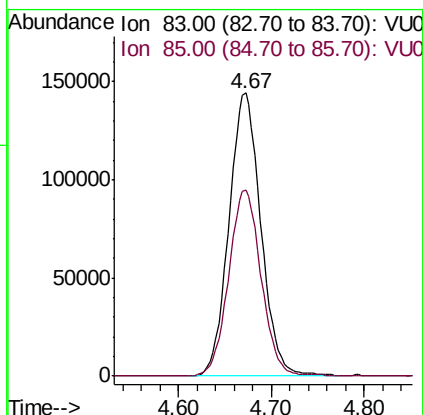
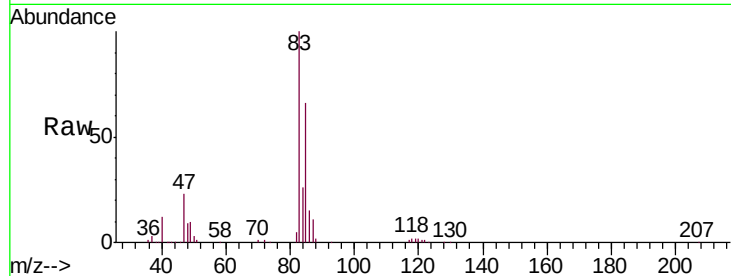




#25
Chloroform
Concen: 50.819 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

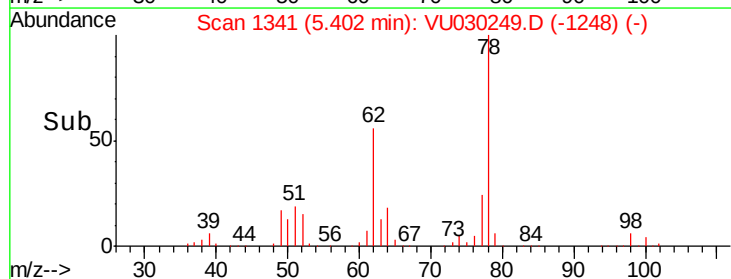
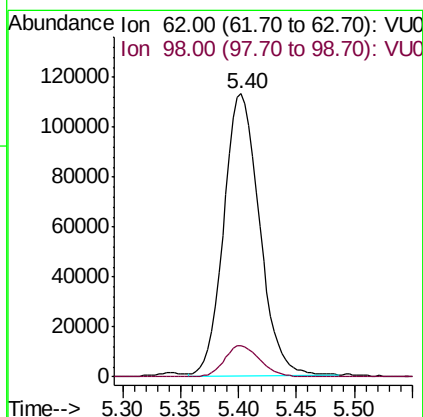
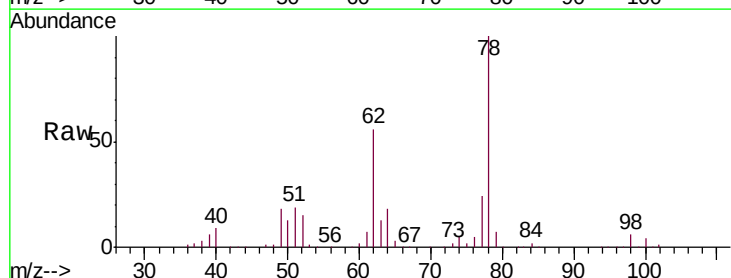
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

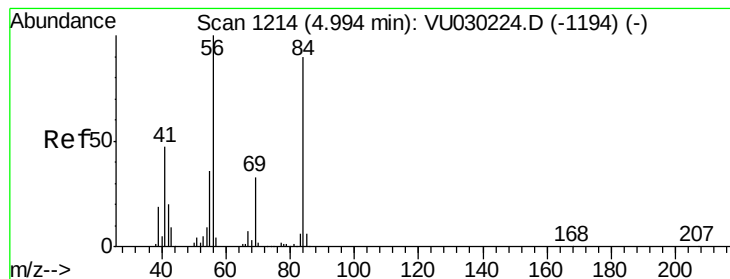
Tgt Ion: 83 Resp: 344099
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 50.230 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion: 62 Resp: 241071
Ion Ratio Lower Upper
62 100
98 11.1 8.6 12.8





#29

Cyclohexane

Concen: 50.190 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

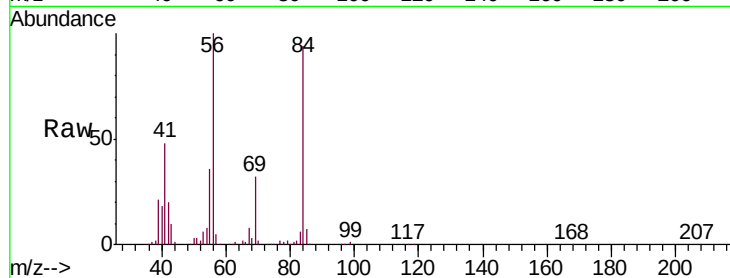
Tgt Ion: 56 Resp: 289488

Ion Ratio Lower Upper

56 100

69 32.3 25.4 38.2

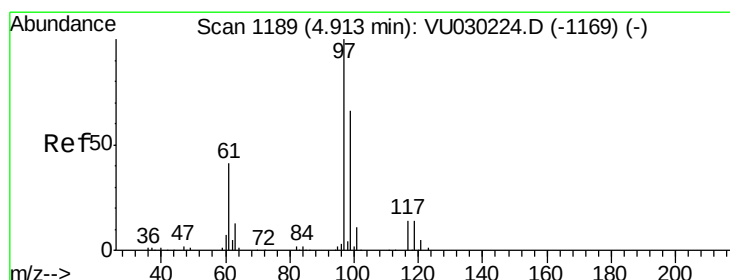
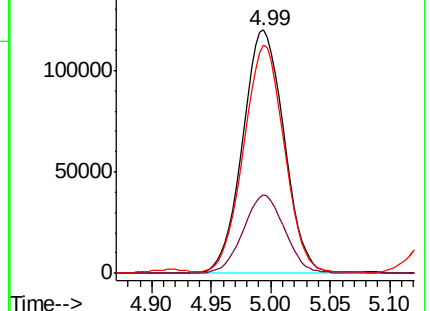
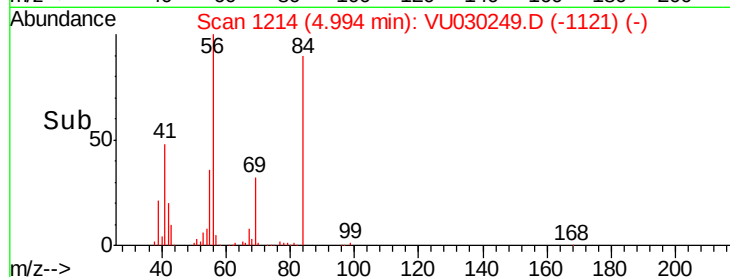
84 91.5 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VU030249.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU030249.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU030249.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 50.649 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

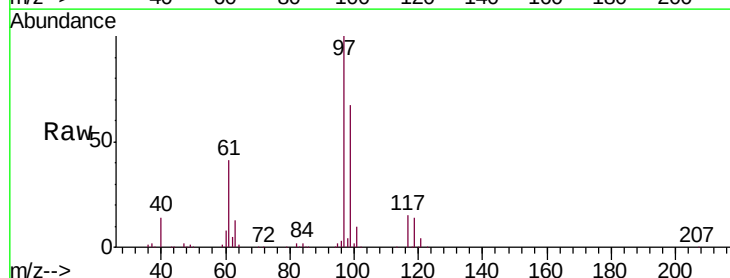
Tgt Ion: 97 Resp: 289757

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

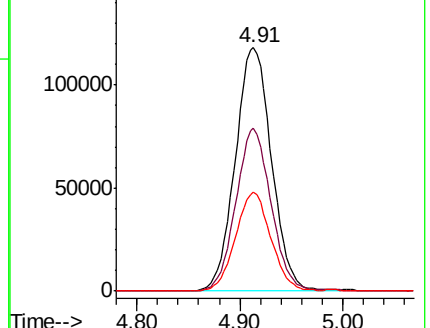
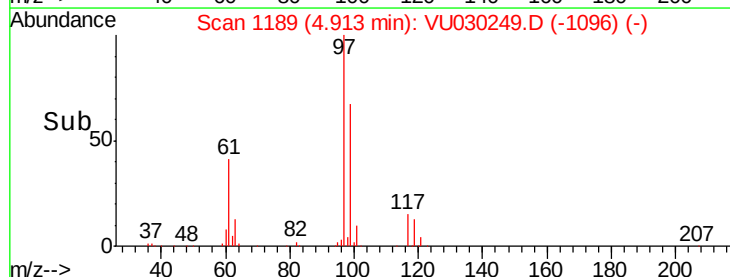
61 39.6 32.7 49.1

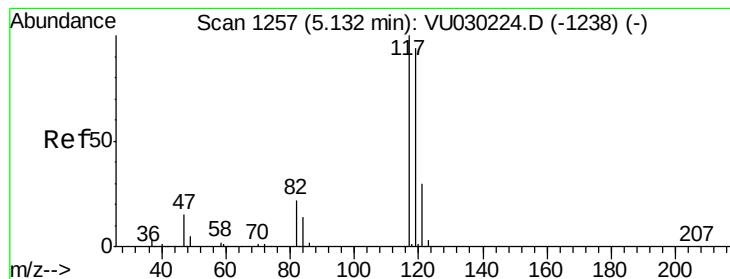


Abundance Ion 97.00 (96.70 to 97.70): VU030249.D (-1096) (-)

Ion 99.00 (98.70 to 99.70): VU030249.D (-1096) (-)

Ion 61.05 (60.75 to 61.75): VU030249.D (-1096) (-)





#31

Carbon tetrachloride

Concen: 49.731 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

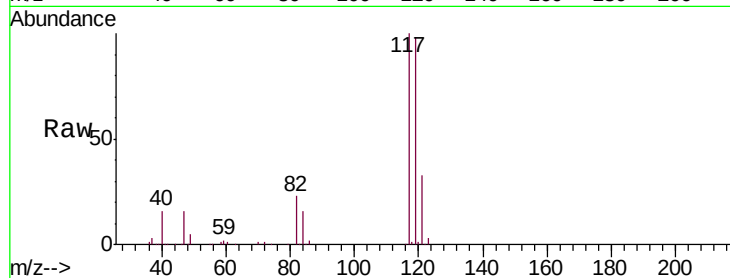
VSTD05049

Tgt Ion:117 Resp: 251868

Ion Ratio Lower Upper

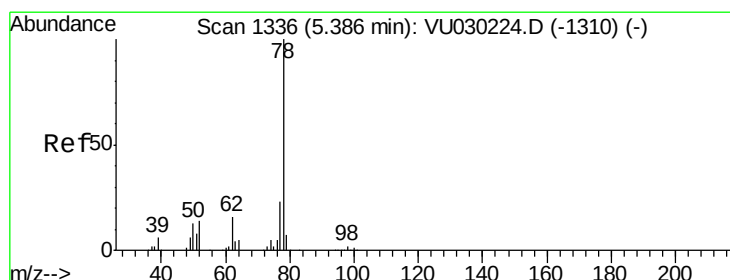
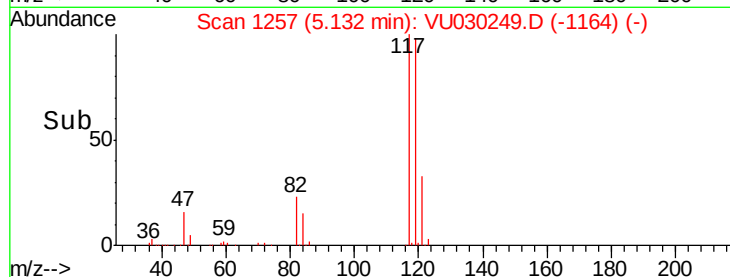
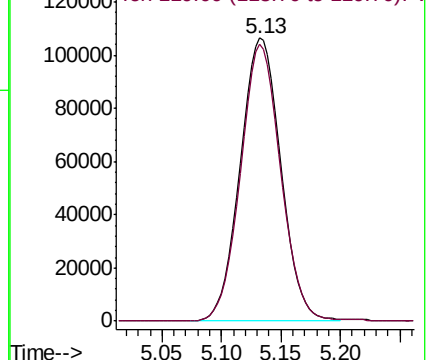
117 100

119 96.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.589 ug/L

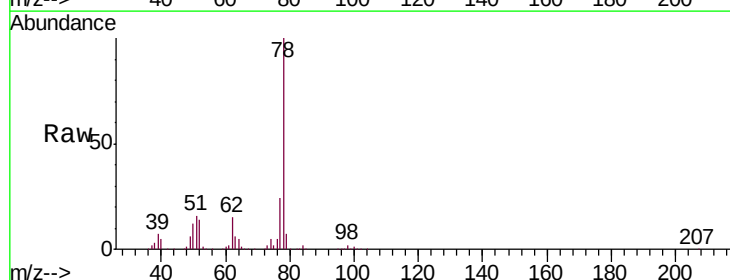
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

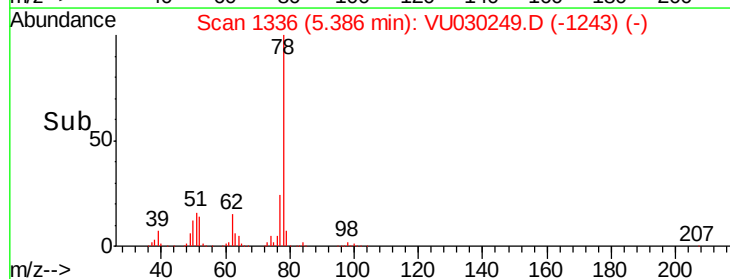
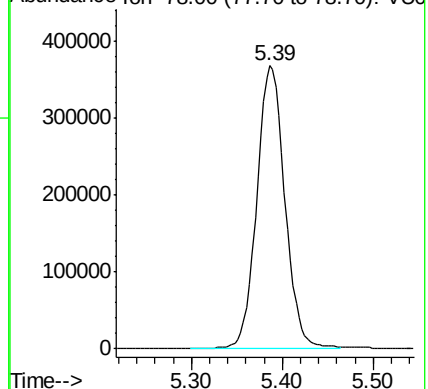
Lab File: VU030249.D

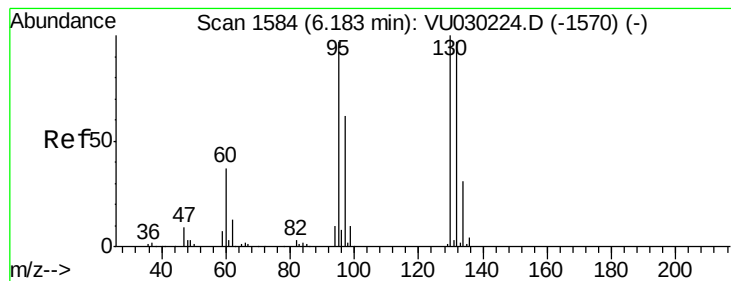
Acq: 21 Mar 2019 01:53

Tgt Ion: 78 Resp: 790103



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.542 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tgt Ion: 95 Resp: 199989

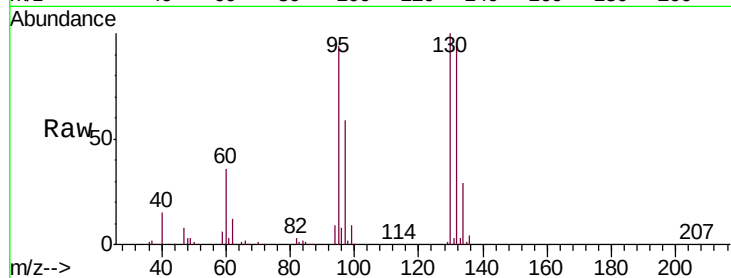
Ion Ratio Lower Upper

95 100

97 63.3 46.2 85.8

132 100.3 69.3 128.7

130 106.8 73.6 136.6

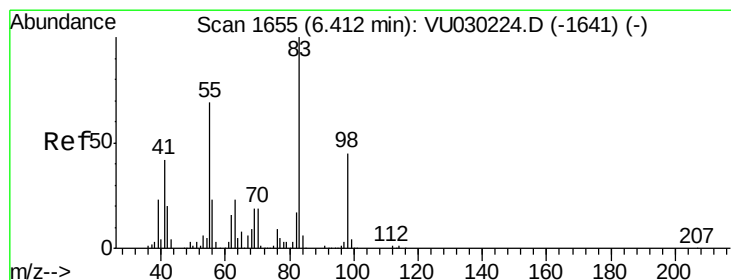
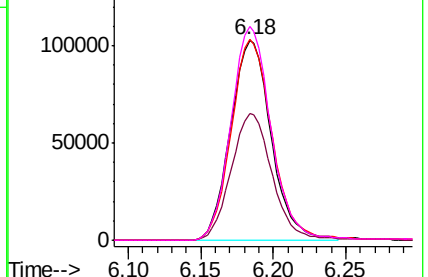
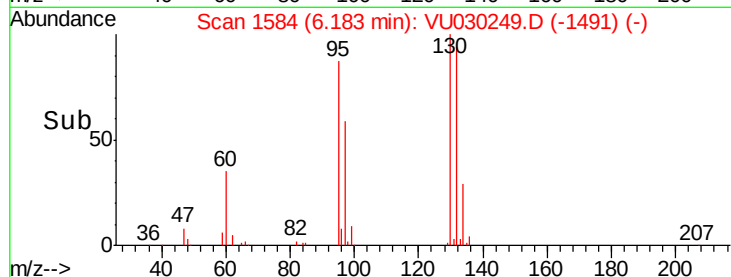


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 48.376 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

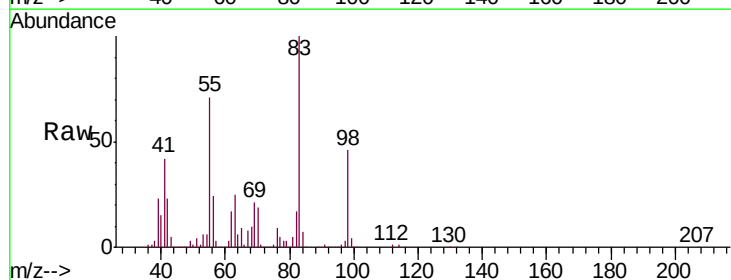
Tgt Ion: 83 Resp: 306218

Ion Ratio Lower Upper

83 100

55 70.6 56.6 85.0

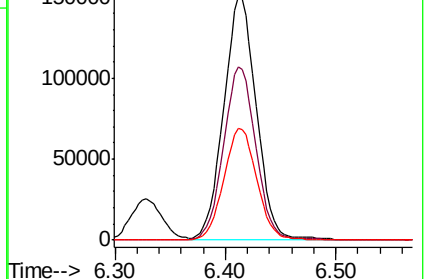
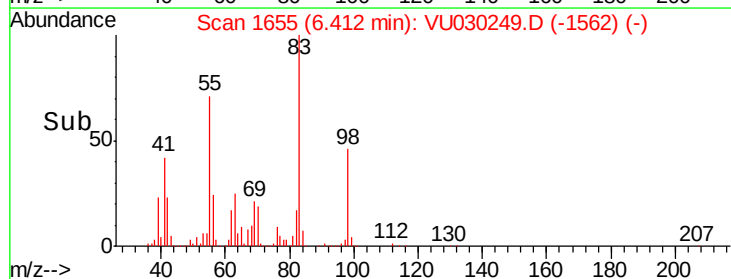
98 46.6 37.0 55.4

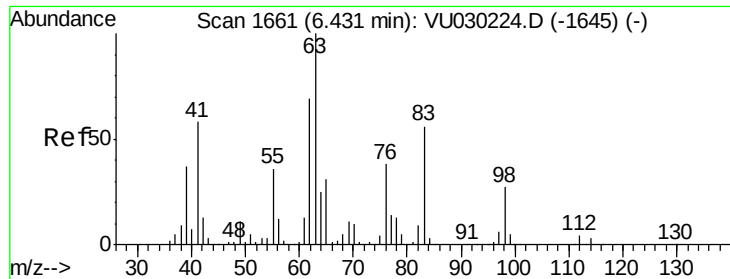


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

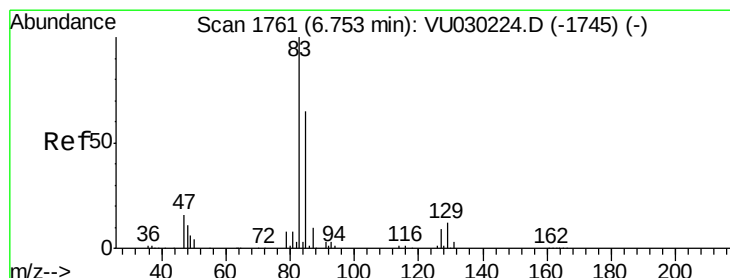
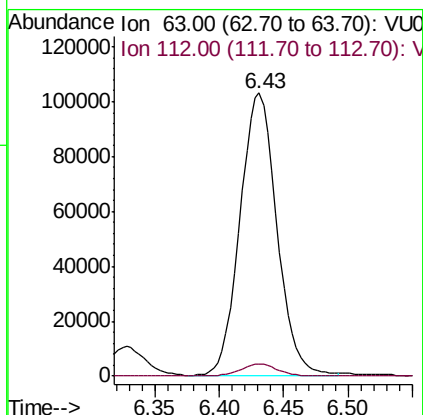
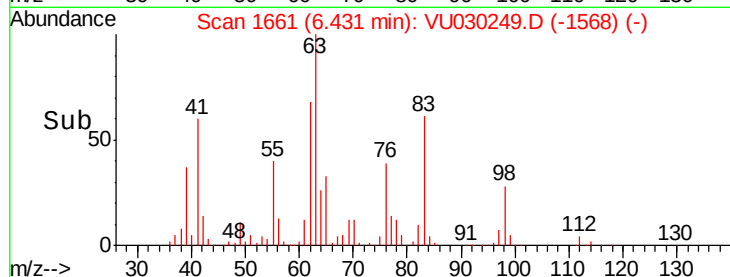
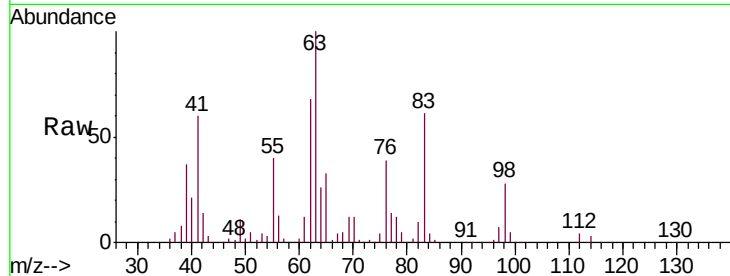




#37
 1,2-Dichloropropane
 Concen: 52.123 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

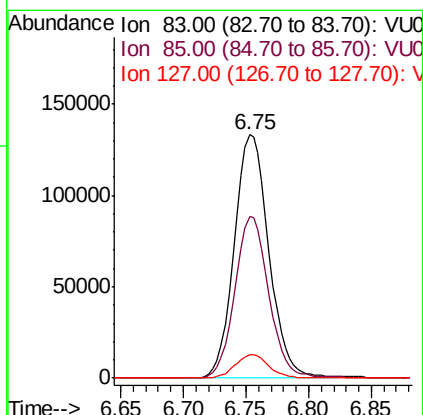
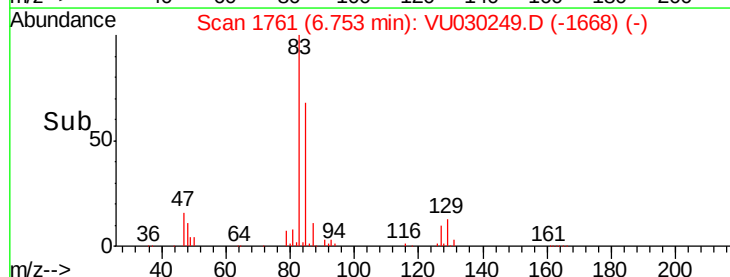
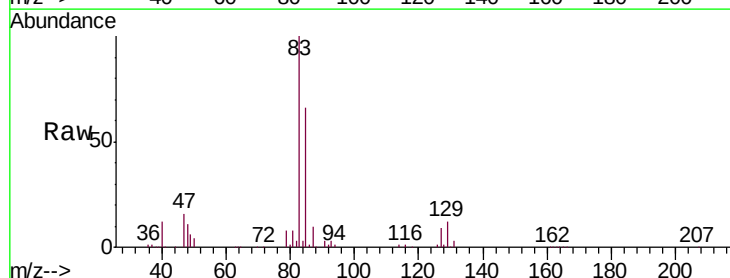
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

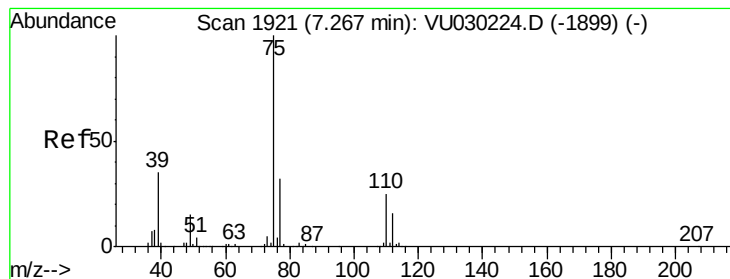
Tgt Ion: 63 Resp: 204447
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.561 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion: 83 Resp: 254988
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.8 85.2
 127 9.4 7.4 11.0



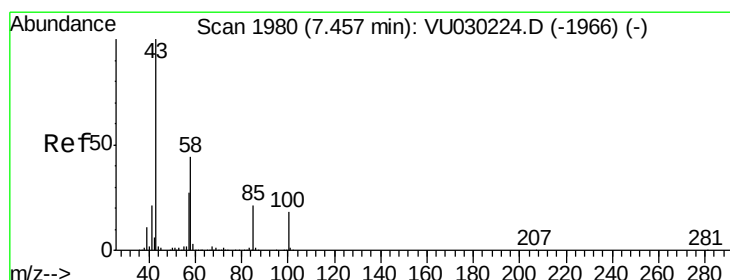
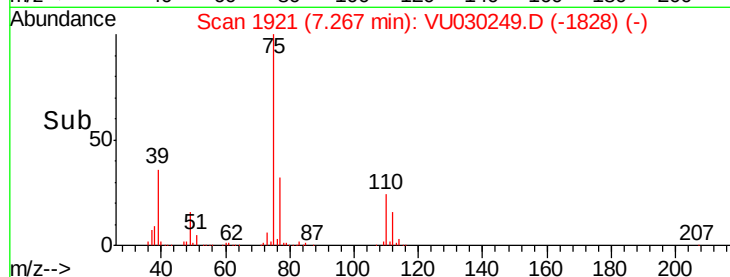
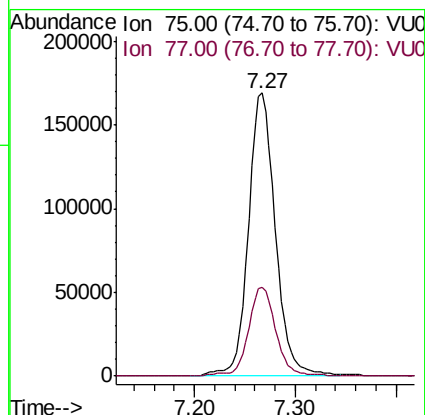
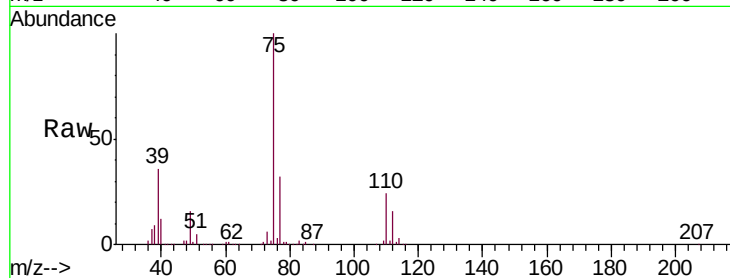


#39

cis-1,3-Dichloropropene
 Concen: 49.505 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

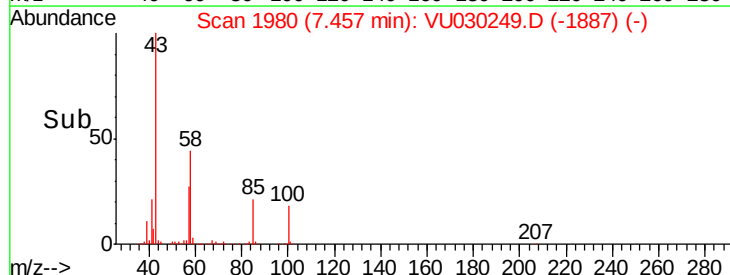
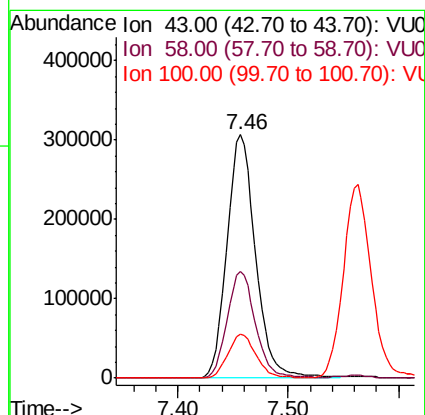
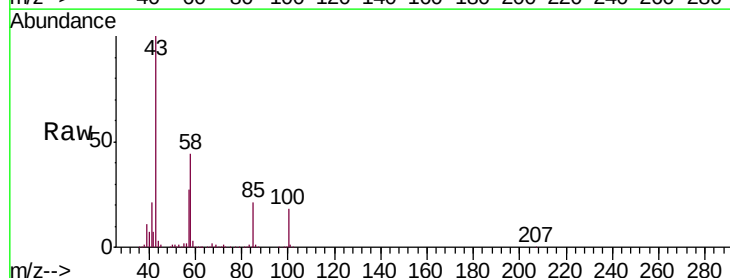
Tgt Ion: 75 Resp: 311543
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1

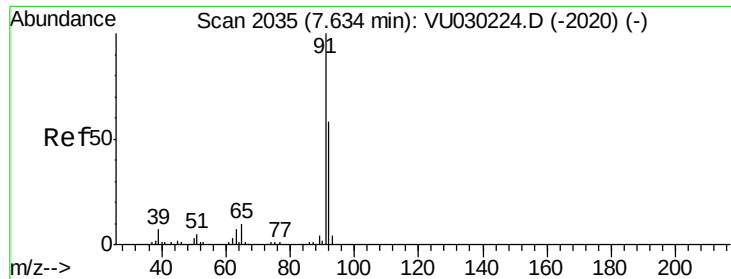


#40

4-Methyl-2-pentanone
 Concen: 102.541 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion: 43 Resp: 552774
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.4 51.6
 100 17.9 13.9 20.9





#42

Toluene

Concen: 52.036 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

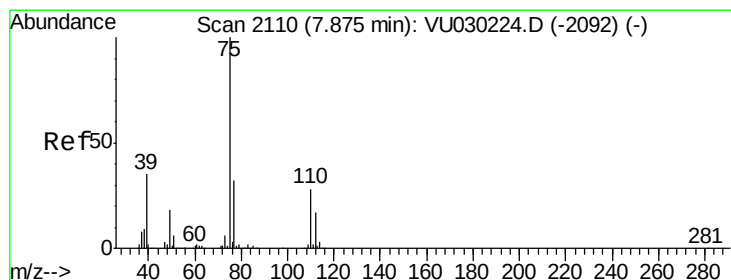
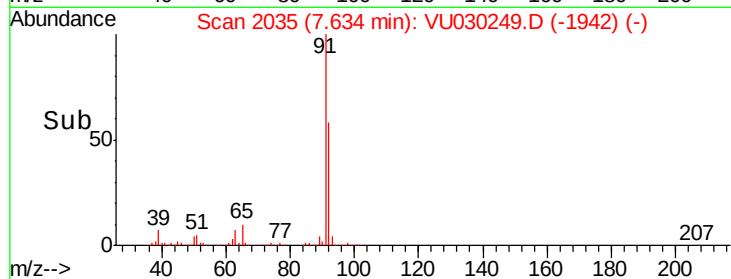
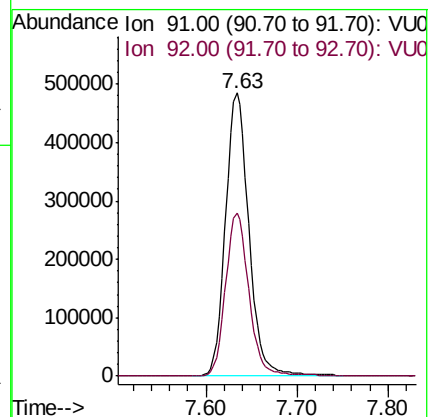
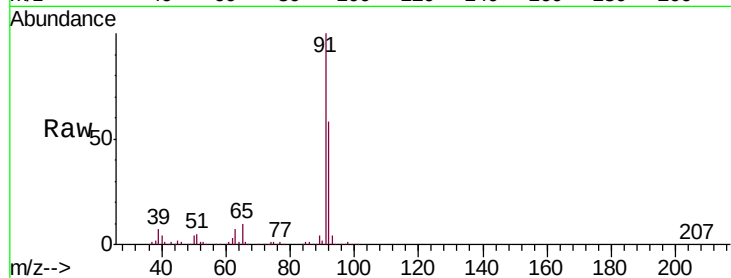
VSTD05049

Tgt Ion: 91 Resp: 867436

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 50.243 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030249.D

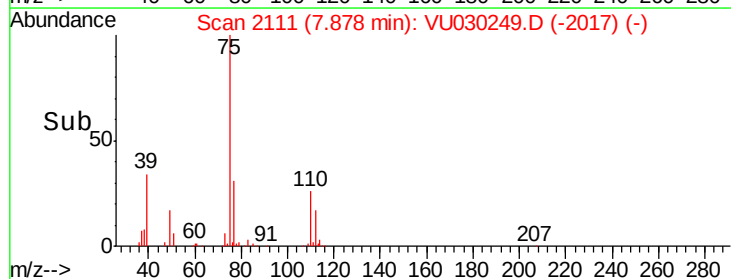
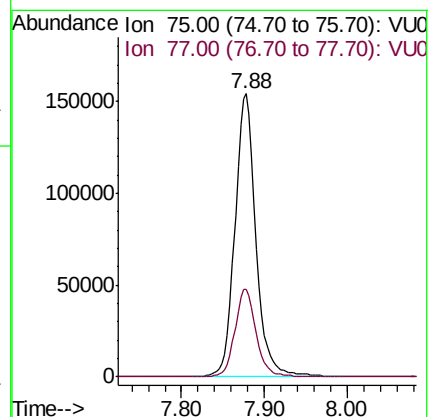
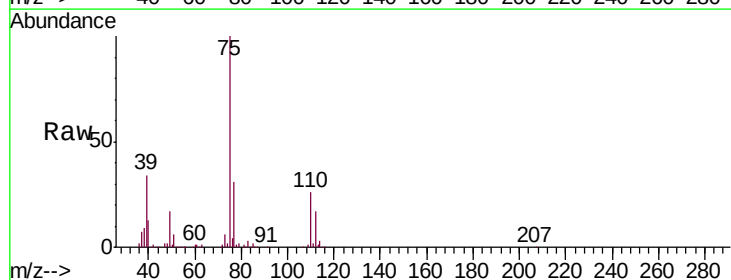
Acq: 21 Mar 2019 01:53

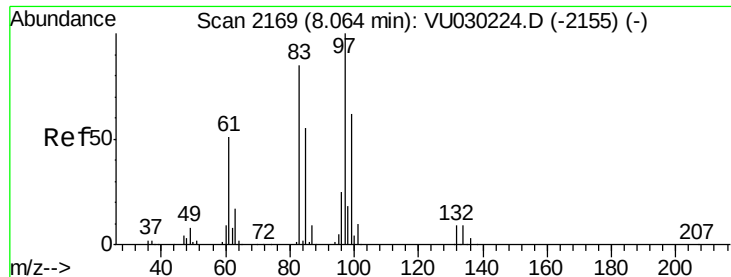
Tgt Ion: 75 Resp: 273598

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1

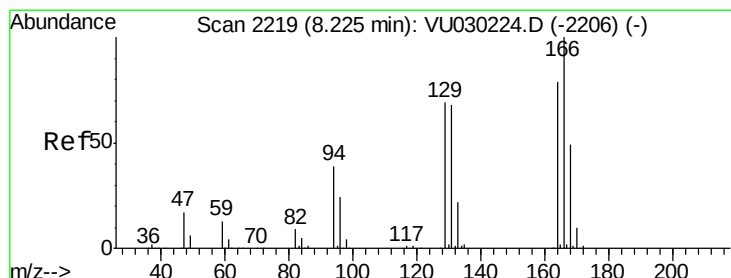
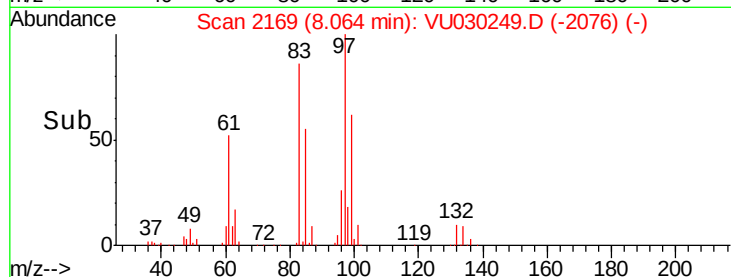
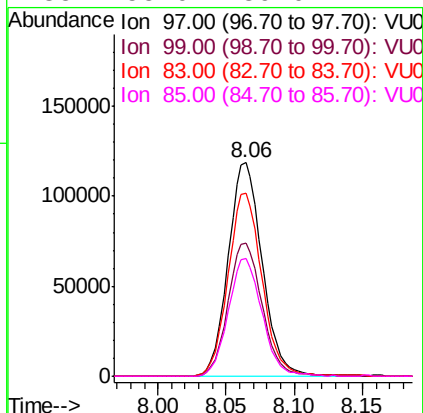
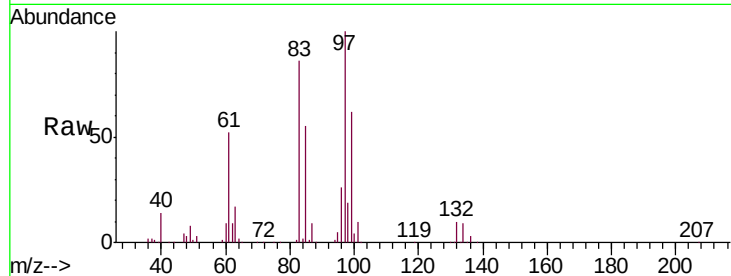




#45
 1,1,2-Trichloroethane
 Concen: 51.140 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

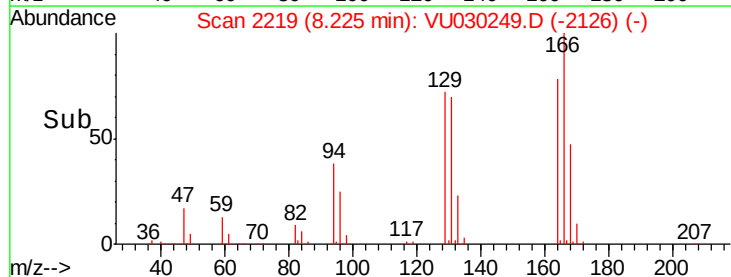
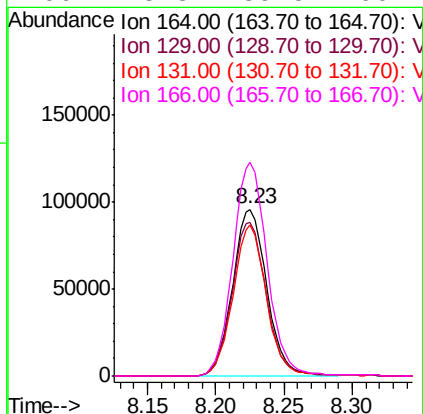
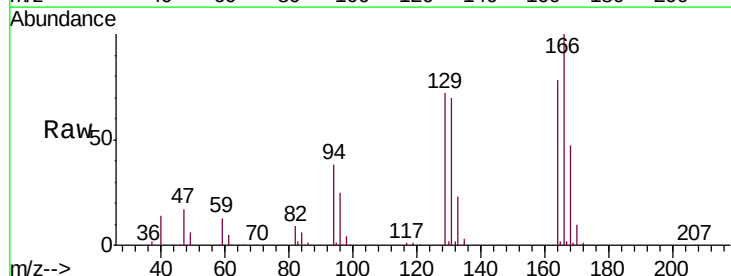
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

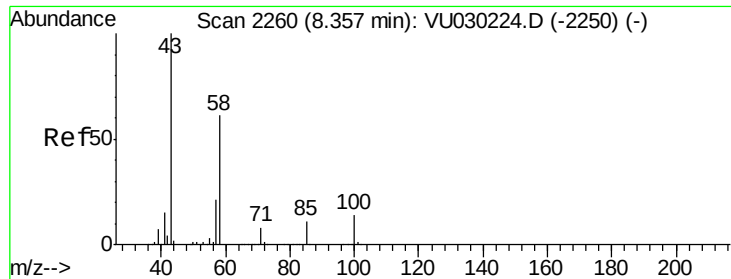
Tgt Ion:	97	Resp:	205906
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.5
83	85.8	59.3	110.1
85	55.0	39.0	72.4



#46
 Tetrachloroethene
 Concen: 49.181 ug/L
 RT: 8.23 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion:	164	Resp:	167738
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.4	119.6
131	90.4	63.2	117.4
166	128.3	89.5	166.1

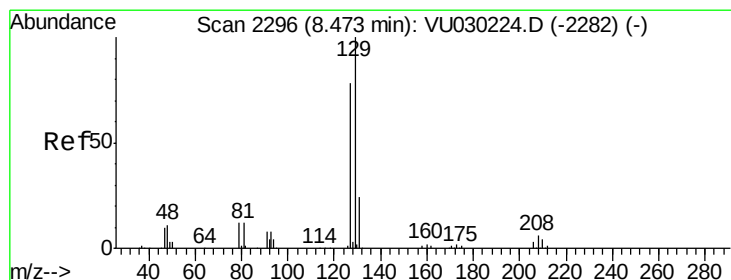
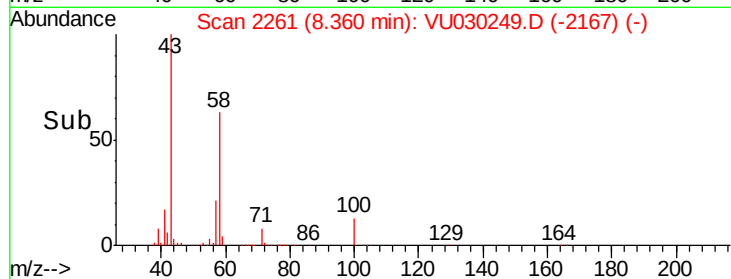
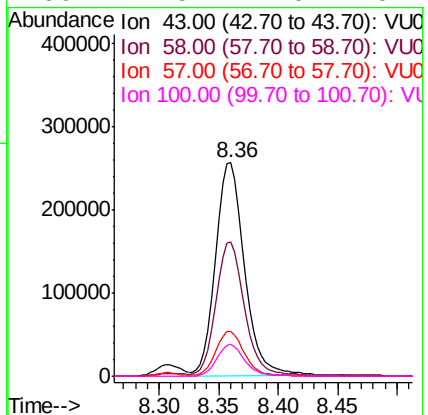
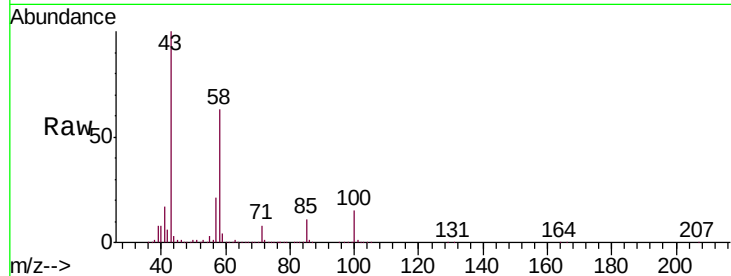




#48
2-Hexanone
Concen: 96.844 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

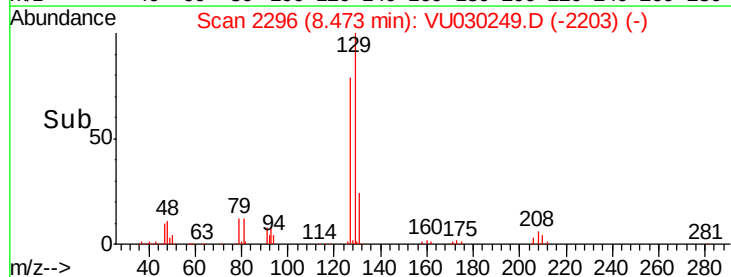
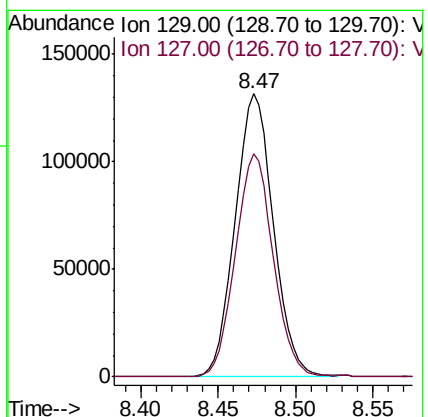
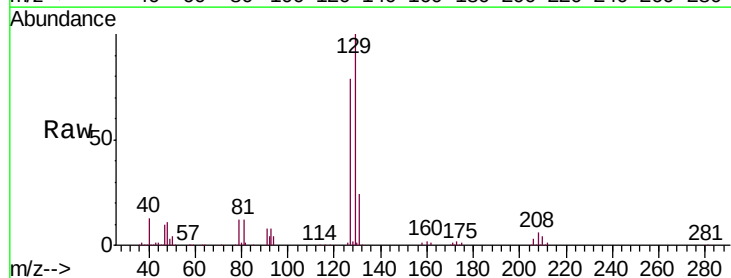
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

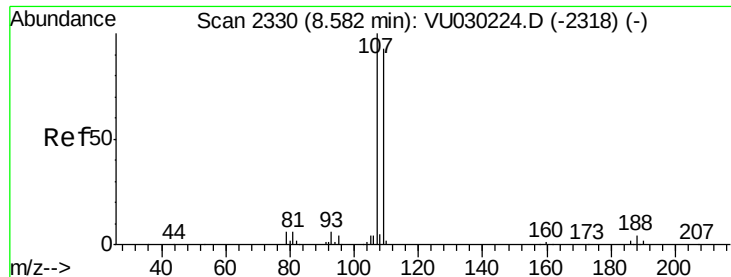
Tgt Ion:	43	Resp:	433305
Ion	Ratio	Lower	Upper
43	100		
58	62.0	49.3	73.9
57	21.2	17.0	25.4
100	14.5	11.0	16.4



#49
Dibromochloromethane
Concen: 50.171 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion:	129	Resp:	226520
Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.4	99.2





#50

1,2-Dibromoethane

Concen: 50.481 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

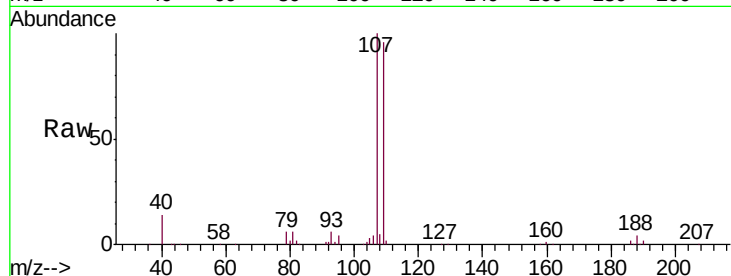
Tgt Ion:107 Resp: 225343

Ion Ratio Lower Upper

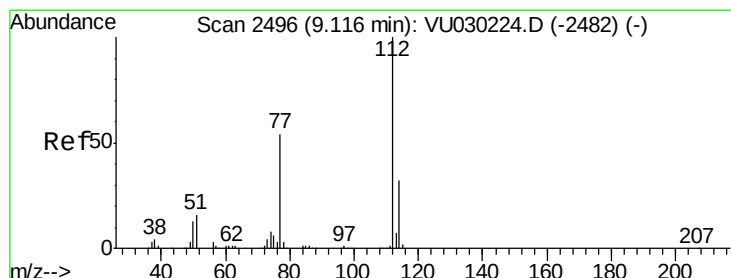
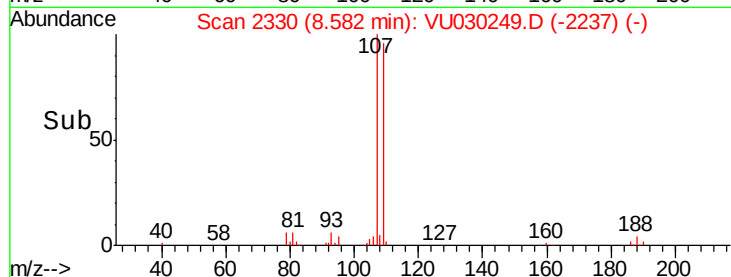
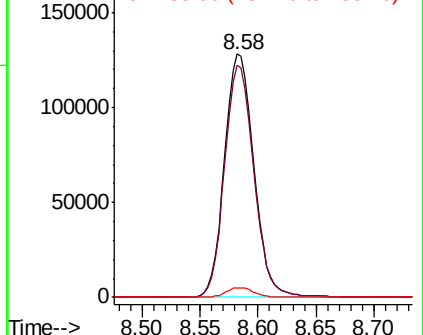
107 100

109 95.6 65.4 121.4

188 4.0 2.7 4.1



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: 50.628 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

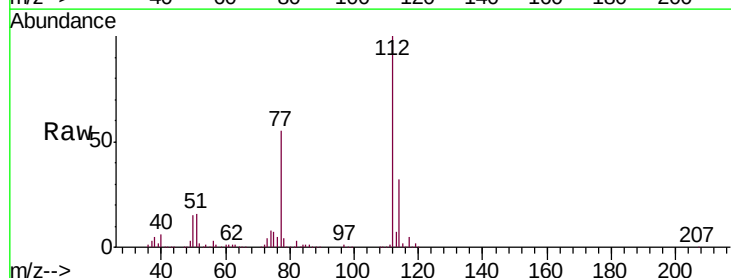
Tgt Ion:112 Resp: 558361

Ion Ratio Lower Upper

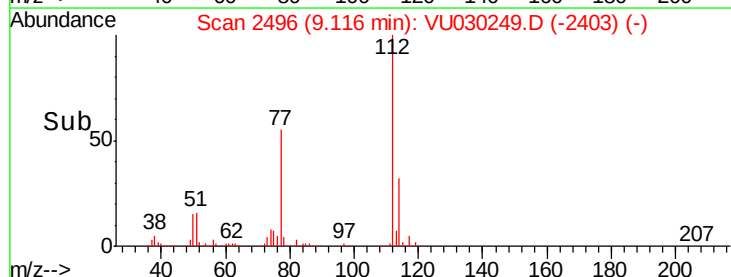
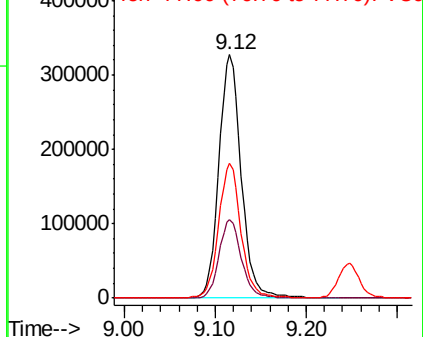
112 100

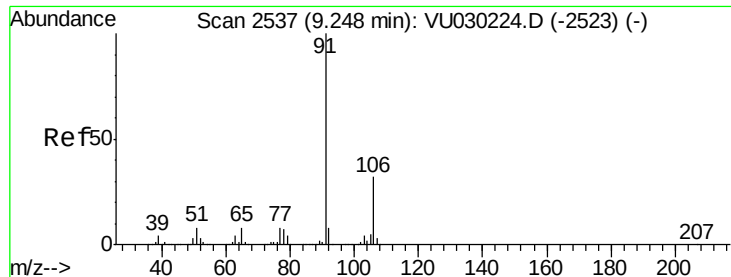
114 32.4 22.5 41.7

77 55.1 43.4 65.0



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): V





#52

Ethylbenzene

Concen: 50.806 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

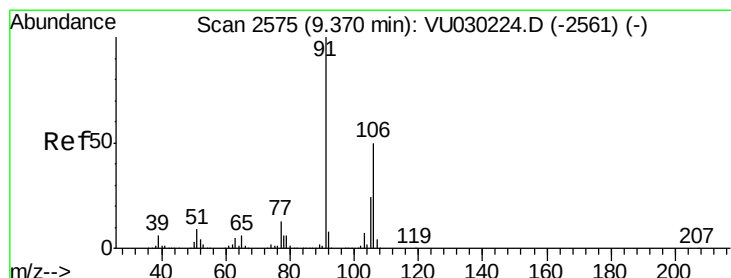
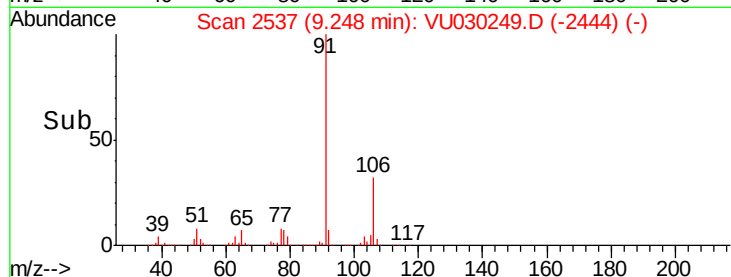
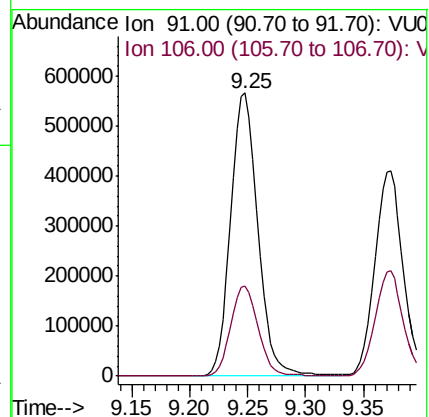
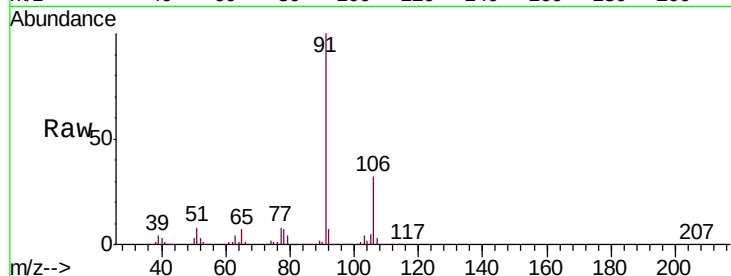
VSTD05049

Tgt Ion: 91 Resp: 919759

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.7



#53

m,p-Xylene

Concen: 51.843 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030249.D

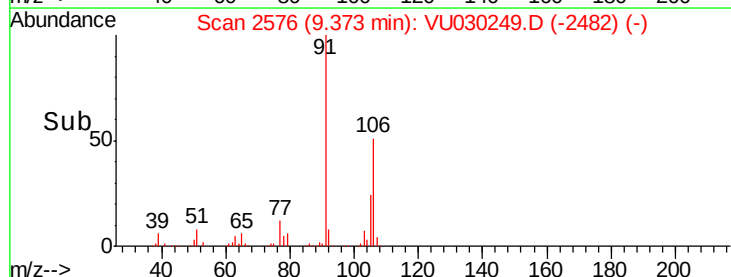
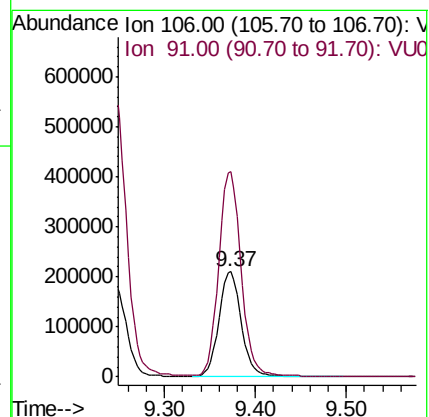
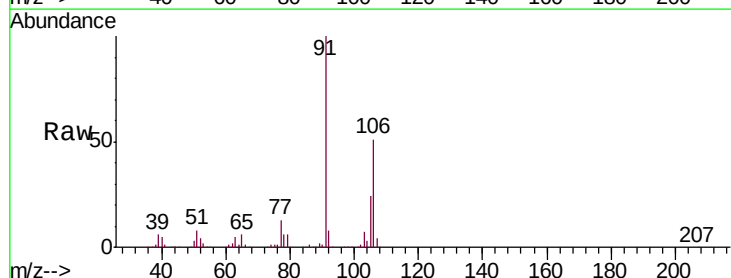
Acq: 21 Mar 2019 01:53

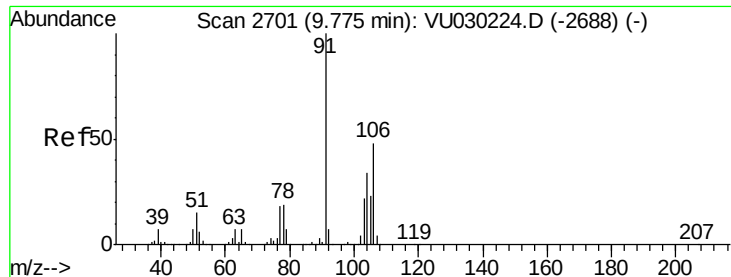
Tgt Ion: 106 Resp: 361591

Ion Ratio Lower Upper

106 100

91 195.9 138.2 256.6

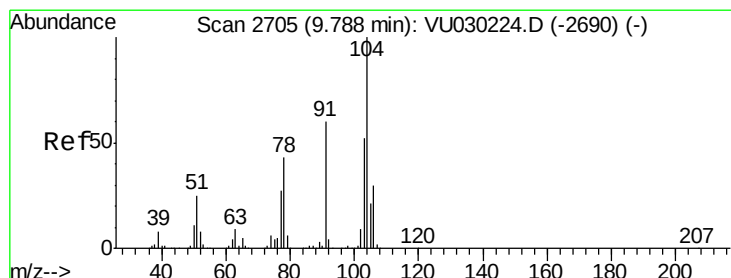
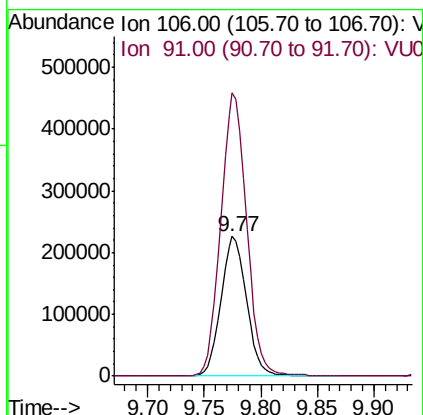
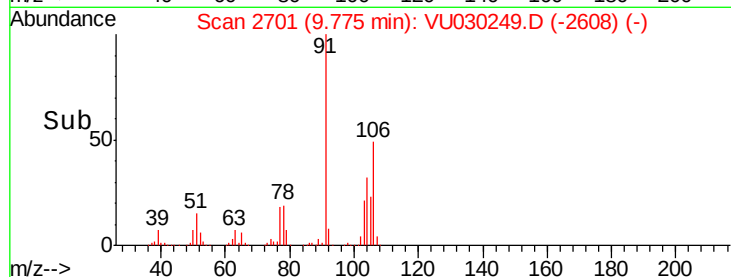
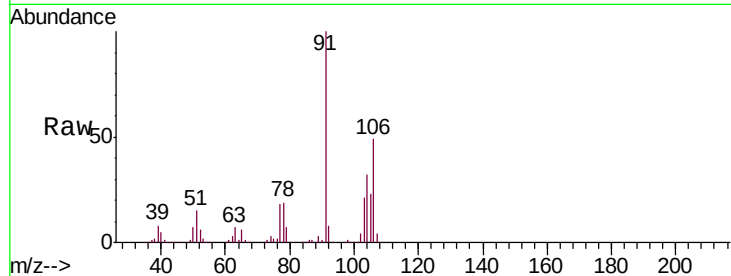




#54
o-xylene
Concen: 52.082 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

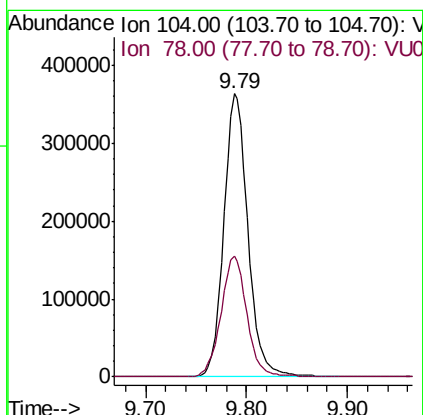
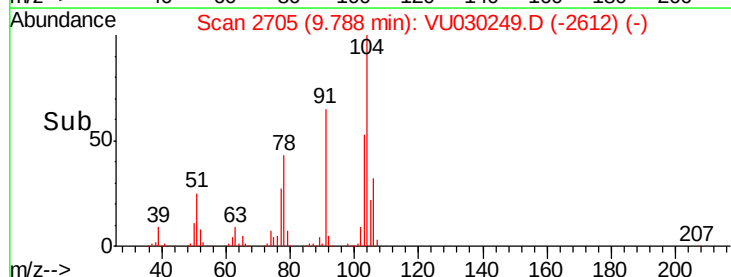
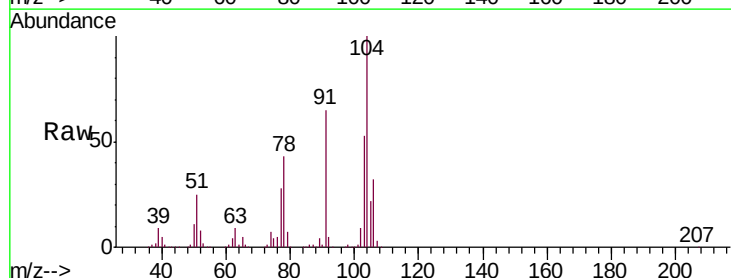
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

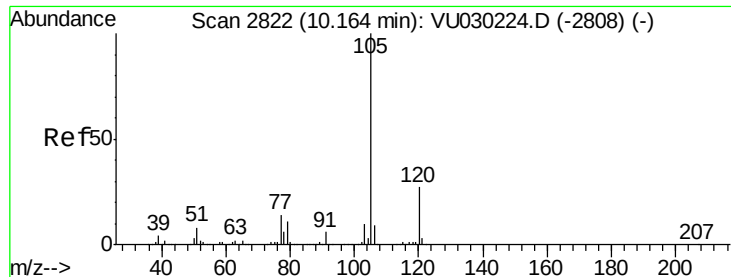
Tgt Ion:106 Resp: 357086
Ion Ratio Lower Upper
106 100
91 203.0 145.5 270.3



#55
Styrene
Concen: 52.306 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030249.D
Acq: 21 Mar 2019 01:53

Tgt Ion:104 Resp: 607620
Ion Ratio Lower Upper
104 100
78 42.9 29.8 55.4





#56

Isopropylbenzene

Concen: 51.070 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

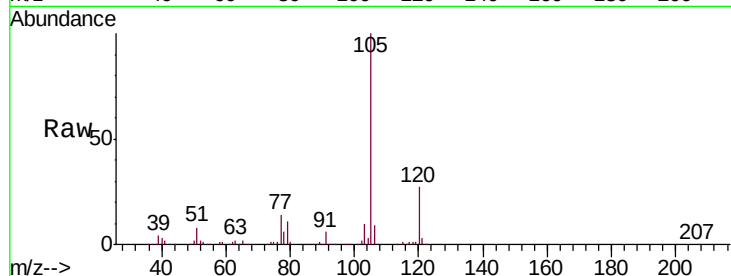
Tgt Ion:105 Resp: 905283

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

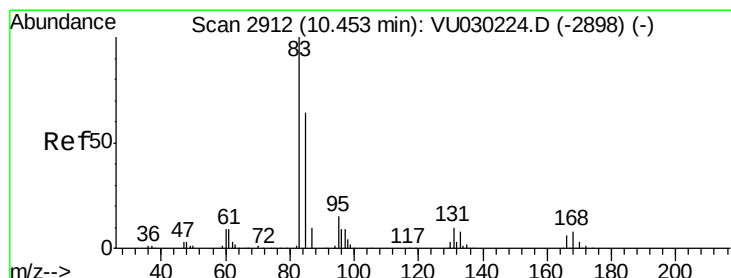
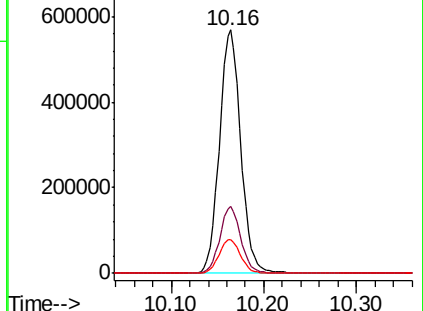
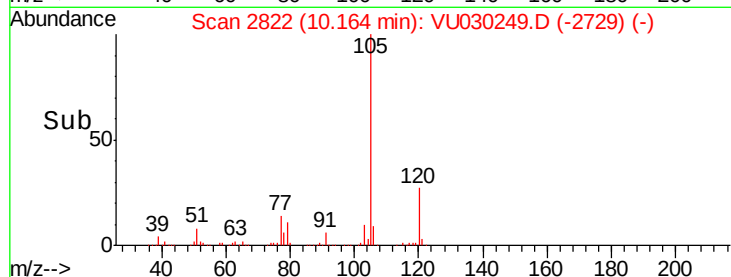
77 14.3 11.3 16.9



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: 50.780 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

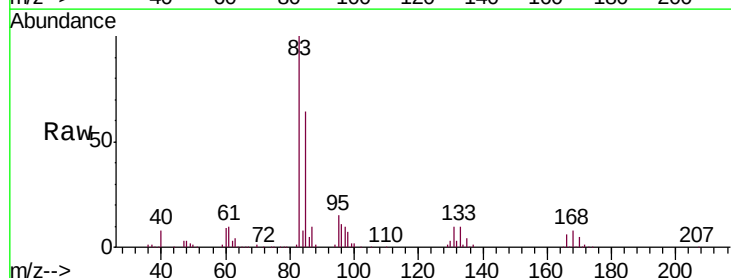
Tgt Ion: 83 Resp: 348640

Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9

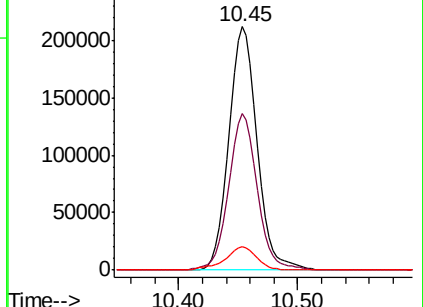
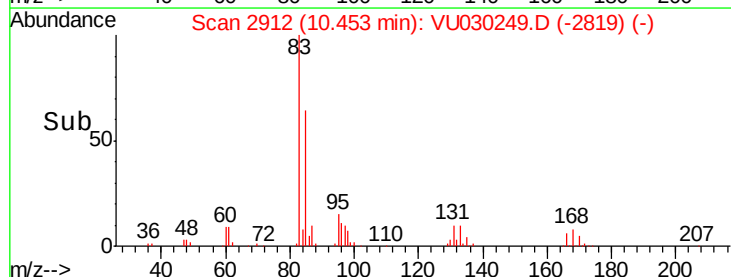
131 9.7 7.8 11.6

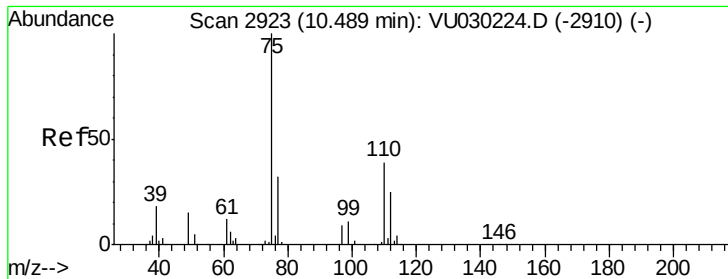


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

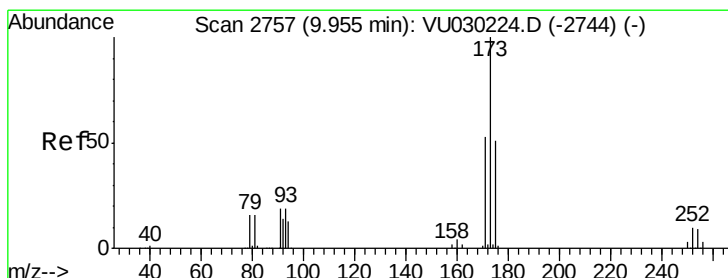
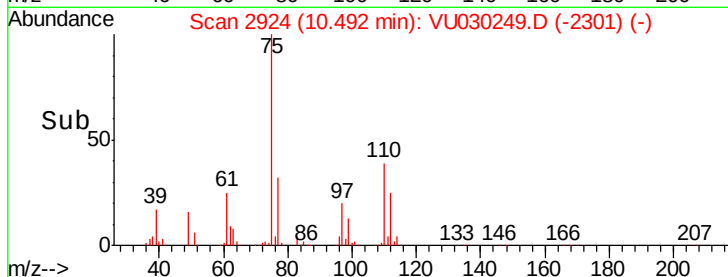
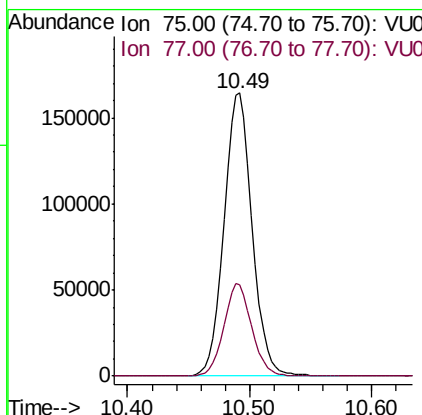
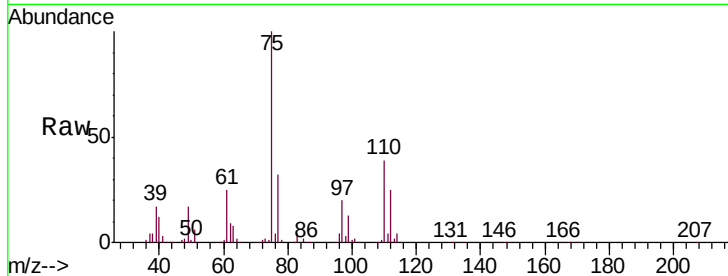




#59
 1,2,3-Trichloropropane
 Concen: 50.047 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

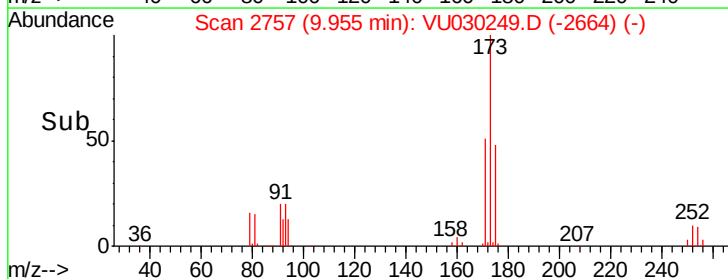
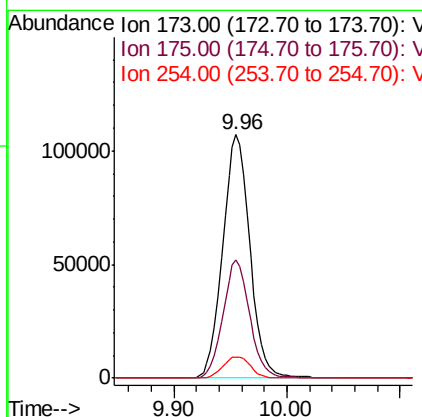
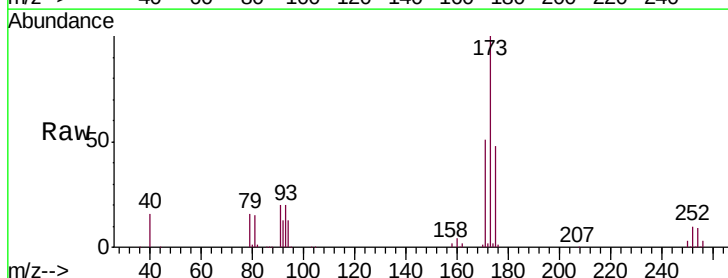
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

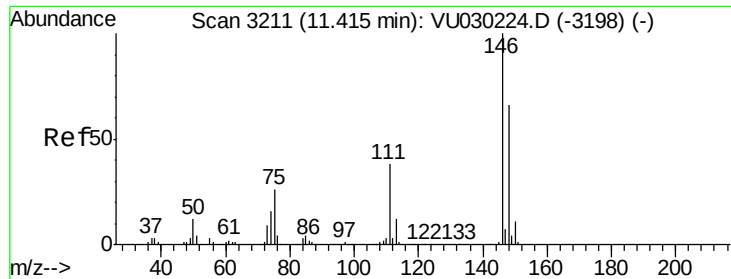
Tgt Ion: 75 Resp: 265312
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#61
 Bromoform
 Concen: 51.218 ug/L
 RT: 9.96 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion: 173 Resp: 178427
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.9 58.3
 254 8.9 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 50.657 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

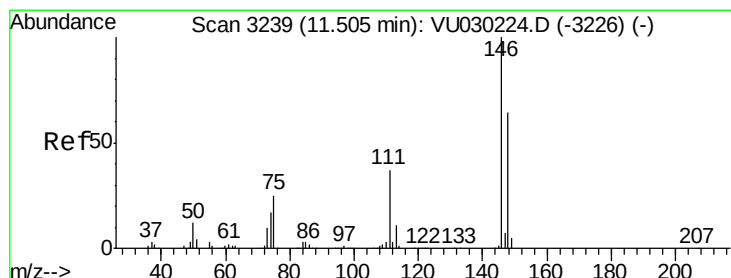
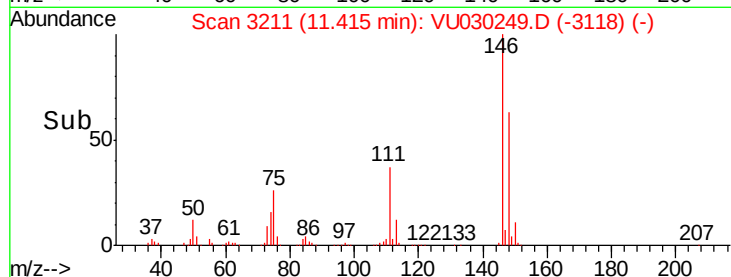
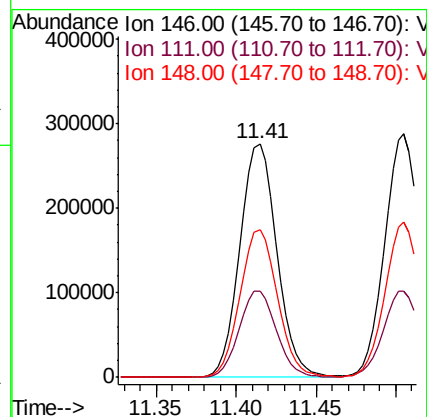
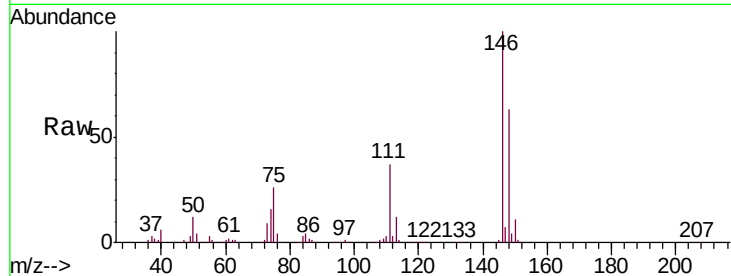
Tgt Ion:146 Resp: 435987

Ion Ratio Lower Upper

146 100

111 37.1 27.2 50.4

148 63.2 44.4 82.5



#63

1,4-Dichlorobenzene

Concen: 51.085 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

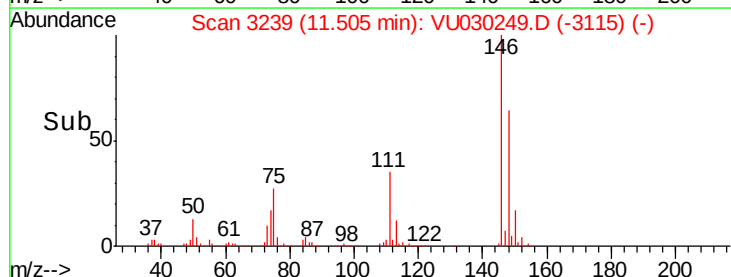
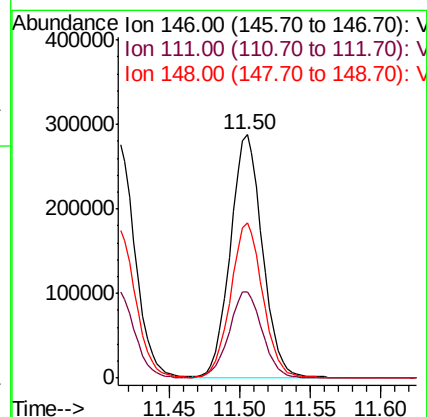
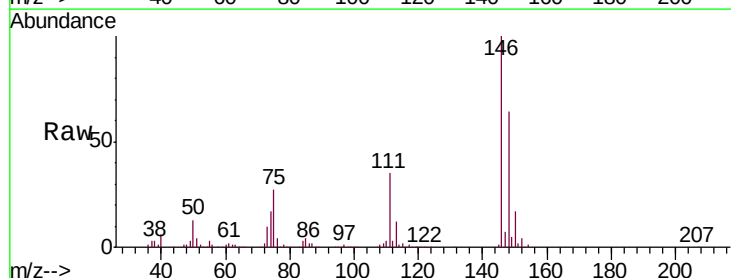
Tgt Ion:146 Resp: 456060

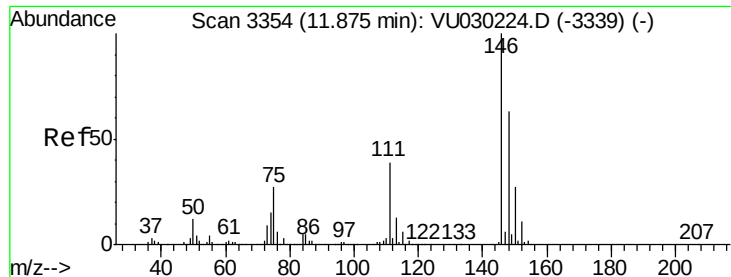
Ion Ratio Lower Upper

146 100

111 35.3 25.3 46.9

148 63.5 44.7 82.9

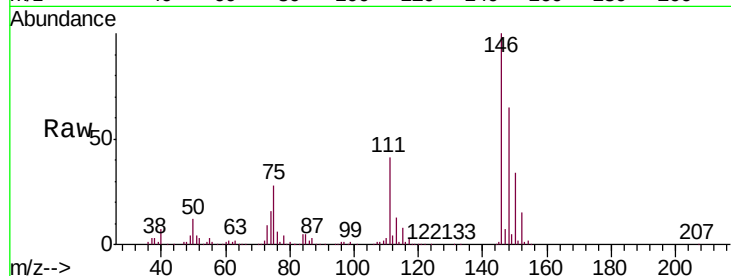




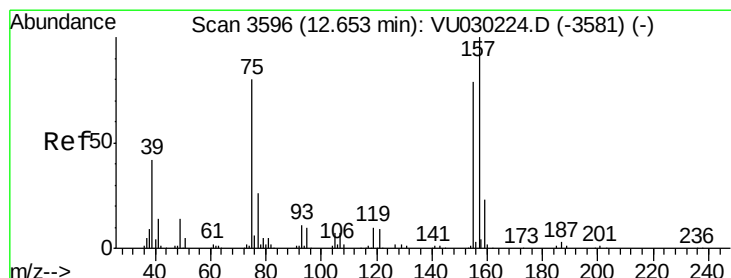
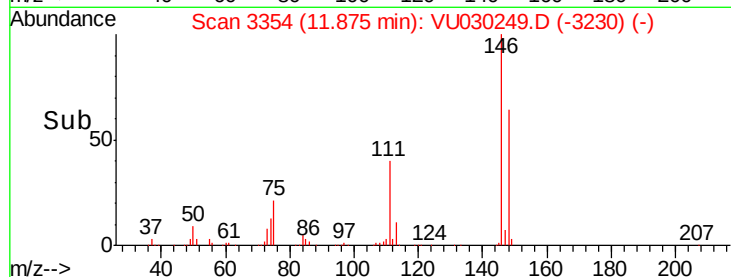
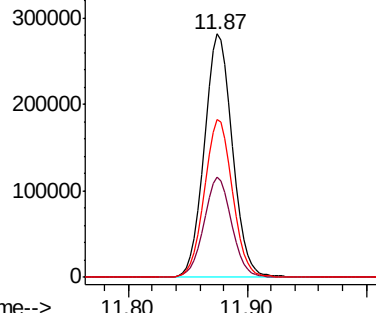
#65
 1,2-Dichlorobenzene
 Concen: 52.257 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion: 146 Resp: 459520
 Ion Ratio Lower Upper
 146 100
 111 41.1 31.7 47.5
 148 64.7 52.0 78.0

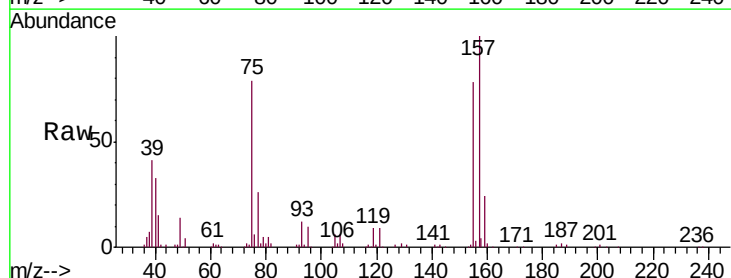


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

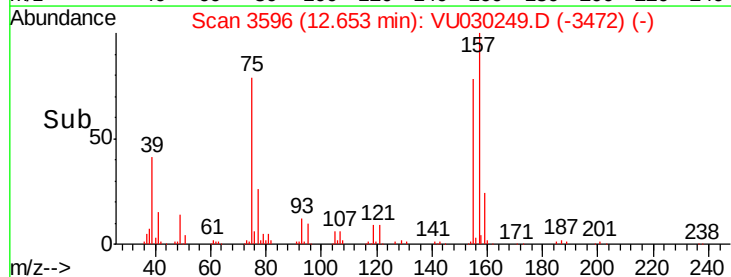
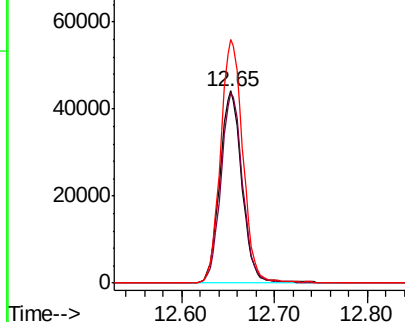


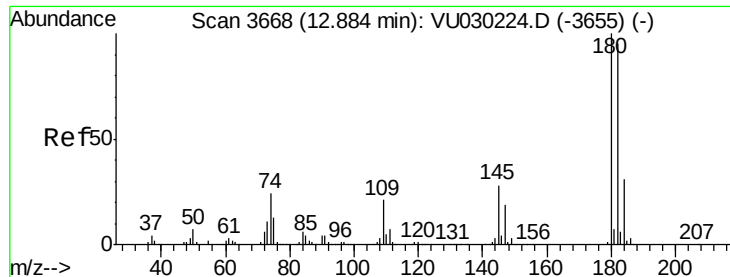
#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.959 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion: 75 Resp: 73449
 Ion Ratio Lower Upper
 75 100
 155 99.0 80.7 121.1
 157 126.9 100.8 151.2



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

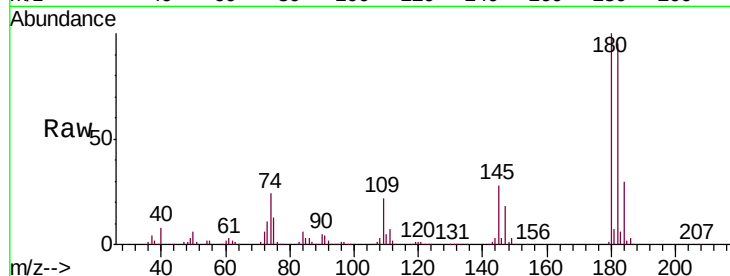




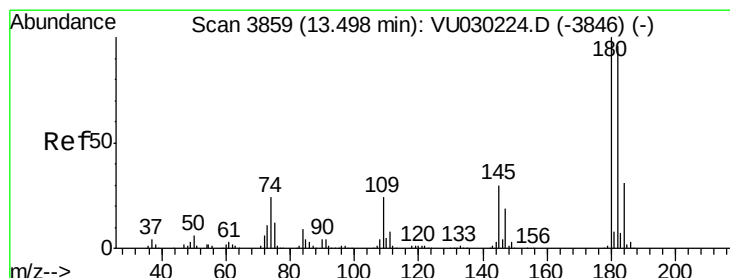
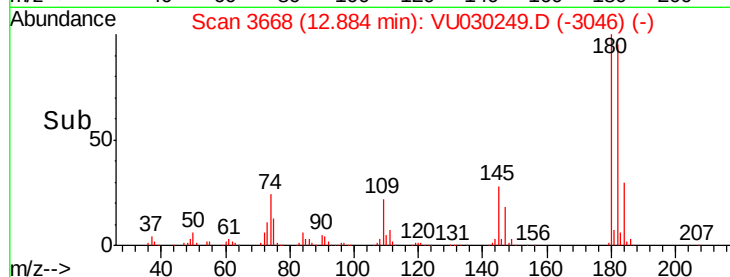
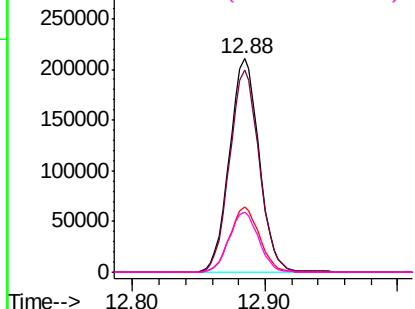
#67
 1,3,5-Trichlorobenzene
 Concen: 48.808 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion:180 Resp: 328302
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.0 114.0
 184 30.3 24.2 36.4
 145 28.2 22.1 33.1

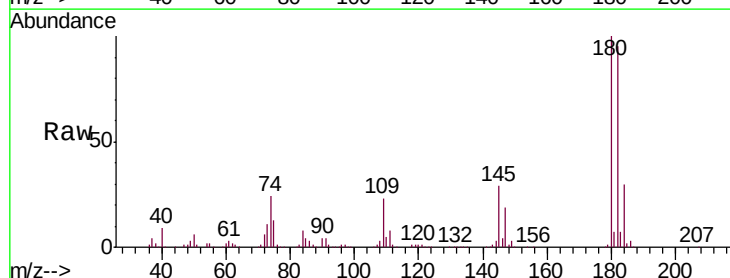


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

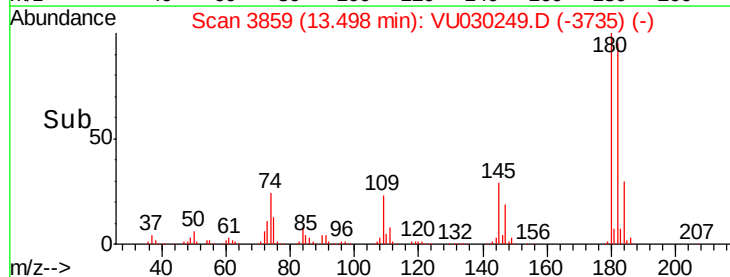
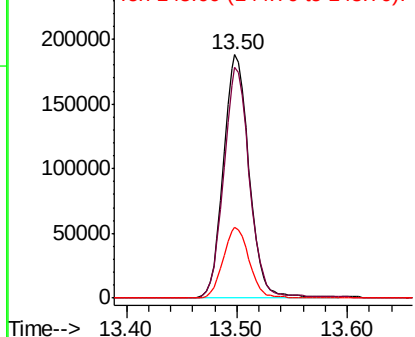


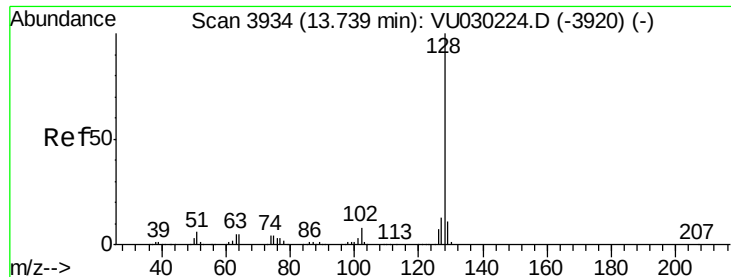
#68
 1,2,4-trichlorobenzene
 Concen: 51.353 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030249.D
 Acq: 21 Mar 2019 01:53

Tgt Ion:180 Resp: 305465
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 145 29.3 22.7 34.1



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





#69

Naphthalene

Concen: 48.464 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

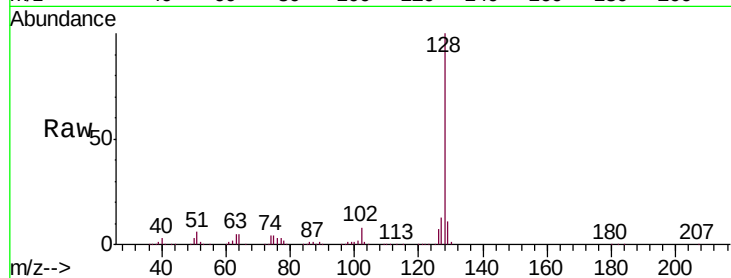
Tgt Ion:128 Resp: 914607

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

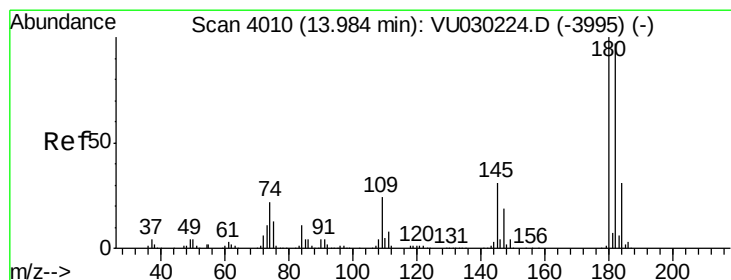
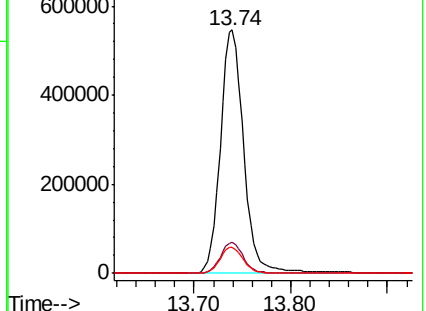
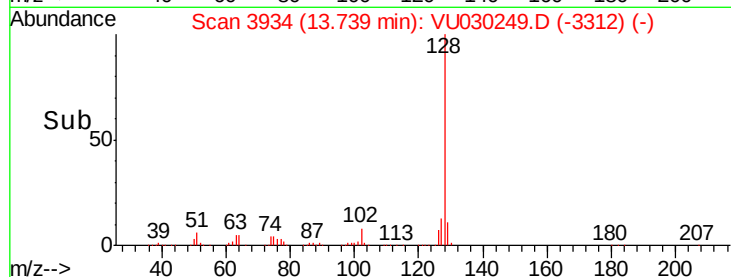
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.878 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030249.D

Acq: 21 Mar 2019 01:53

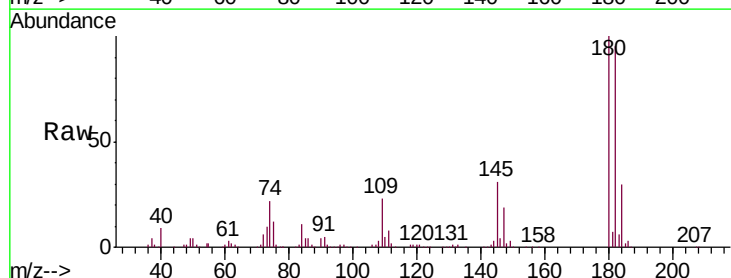
Tgt Ion:180 Resp: 309577

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 30.4 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

