

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030949.D
 Acq On : 09 Apr 2019 11:32
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 11 02:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 11 01:24:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	249839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	251470	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112010	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83128	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.68	69	75803	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.27	63	191199	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.19	46	260101	52.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	4.64	84	153626	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	87869	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.33	84	302439	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.33	67	104019	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.56	98	269612	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	37622	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.31	63	183557	51.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84997	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	91401	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	143524	5.157	ug/L	100
3) Chloromethane	1.32	50	155299	4.760	ug/L	99
5) Vinyl chloride	1.40	62	152208	5.092	ug/L	96
6) Bromomethane	1.62	94	78460	5.365	ug/L	97
8) Chloroethane	1.69	64	91060	5.355	ug/L	98
9) Trichlorofluoromethane	1.88	101	193141	5.700	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	100744	5.346	ug/L	98
12) 1,1-Dichloroethene	2.28	96	94862	5.204	ug/L	91
13) Acetone	2.32	43	227950	59.932	ug/L	99
14) Carbon disulfide	2.47	76	332048	5.194	ug/L	100
15) Methyl Acetate	2.61	43	58626	5.967	ug/L	96
16) Methylene chloride	2.69	84	105636	4.971	ug/L	93
17) Methyl tert-butyl Ether	3.00	73	256265	5.251	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	95647	4.970	ug/L	98
19) 1,1-Dichloroethane	3.44	63	193321	4.749	ug/L	98
21) 2-Butanone	4.27	43	319462	52.997	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	102633	5.001	ug/L	99

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 ClientSampleId :

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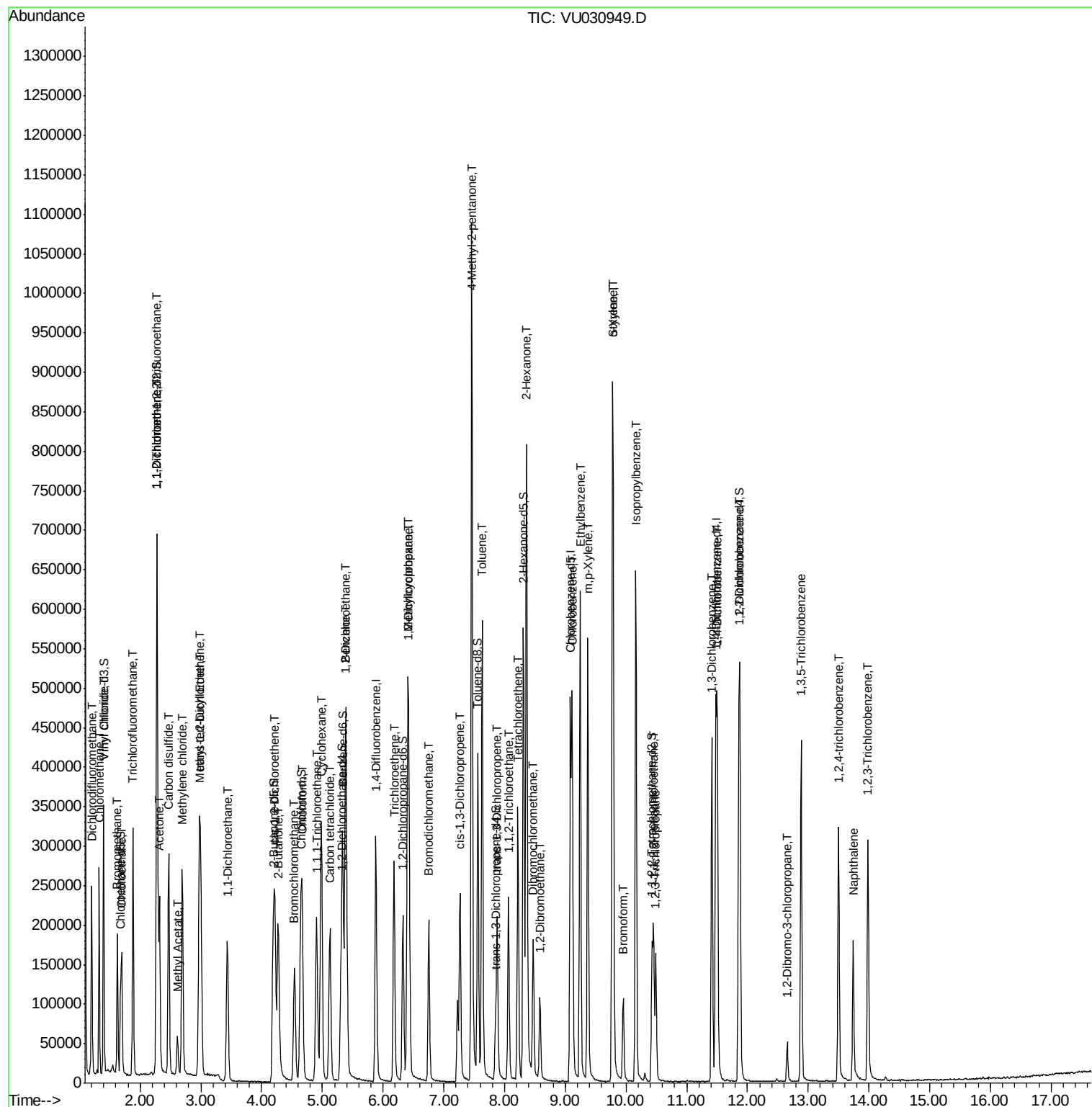
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	45345	5.531	ug/L	94
25) Chloroform	4.67	83	206198	5.556	ug/L	98
27) 1,2-Dichloroethane	5.40	62	125594	5.215	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	159279	4.972	ug/L	98
30) Cyclohexane	4.98	56	166351	4.301	ug/L	99
31) Carbon tetrachloride	5.13	117	140478	5.223	ug/L	96
33) Benzene	5.38	78	411303	4.835	ug/L	100
34) Trichloroethene	6.18	95	100283	4.709	ug/L	97
35) Methylcyclohexane	6.41	83	149215	4.391	ug/L	98
37) 1,2-Dichloropropane	6.43	63	111156	4.748	ug/L	100
38) Bromodichloromethane	6.75	83	136928	5.009	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	132379	4.228	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	744886	51.006	ug/L	99
42) Toluene	7.63	91	427182	5.007	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	119233	4.920	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	71923	5.152	ug/L	96
47) Tetrachloroethene	8.22	164	78290	5.241	ug/L	97
48) 2-Hexanone	8.36	43	545333	53.893	ug/L	99
49) Dibromochloromethane	8.47	129	86329	5.172	ug/L	89
50) 1,2-Dibromoethane	8.58	107	70008	5.380	ug/L	99
51) Chlorobenzene	9.12	112	253523	4.819	ug/L	98
52) Ethylbenzene	9.25	91	429136	4.716	ug/L	100
53) m,p-Xylene	9.37	106	152057	4.784	ug/L	93
54) o-Xylene	9.78	106	149204	4.787	ug/L	93
55) Styrene	9.79	104	261930	4.981	ug/L	99
56) Isopropylbenzene	10.16	105	402672	4.836	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	100905	5.437	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	67378	5.151	ug/L	100
61) Bromoform	9.95	173	50658	5.972	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	173366	4.905	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	175912	4.748	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	173540	5.046	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	13922	5.232	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	134638	5.106	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	100062	4.913	ug/L	97
69) Naphthalene	13.74	128	154226	4.715	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	101485	5.347	ug/L	98

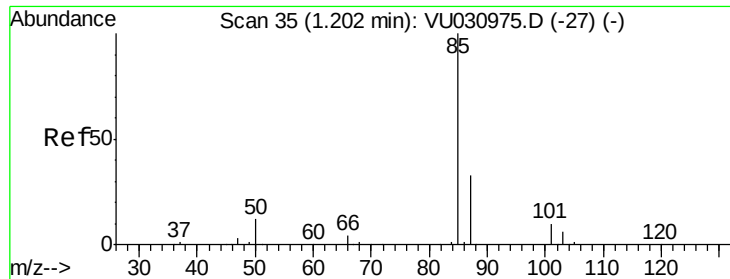
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.157 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

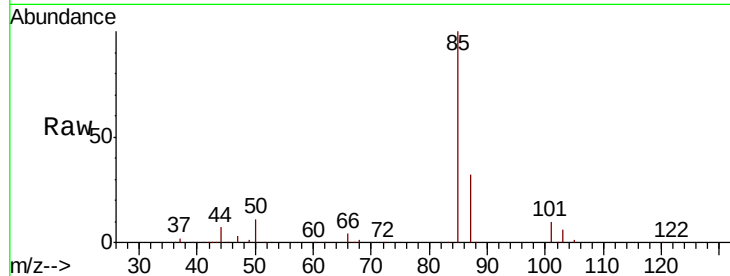
ClientSampled :

Tot Ion: 85 Resp: 143524

Ion Ratio Lower Upper

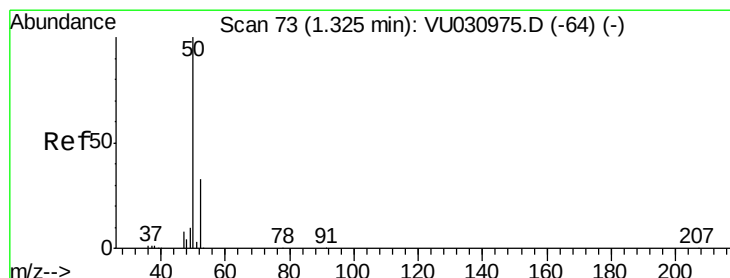
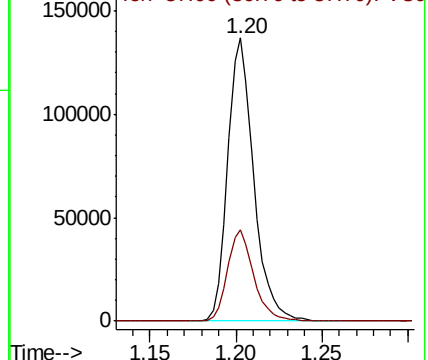
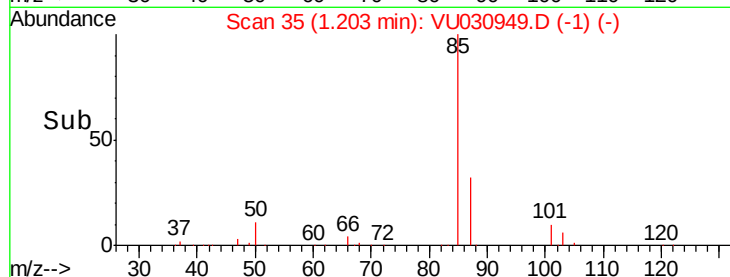
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030949.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030949.D (-1) (-)



#3

Chloromethane

Concen: 4.760 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030949.D

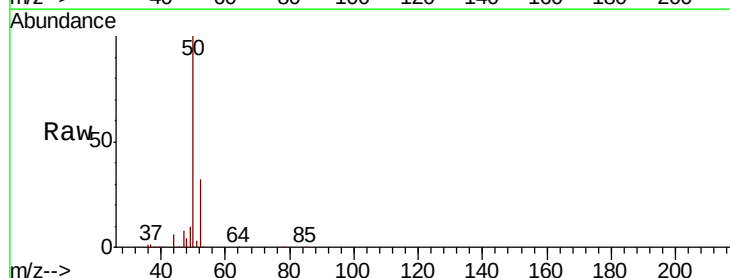
Acq: 09 Apr 2019 11:32

Tgt Ion: 50 Resp: 155299

Ion Ratio Lower Upper

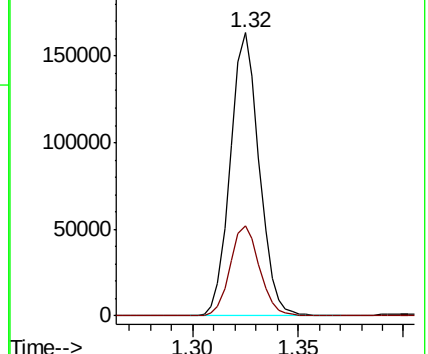
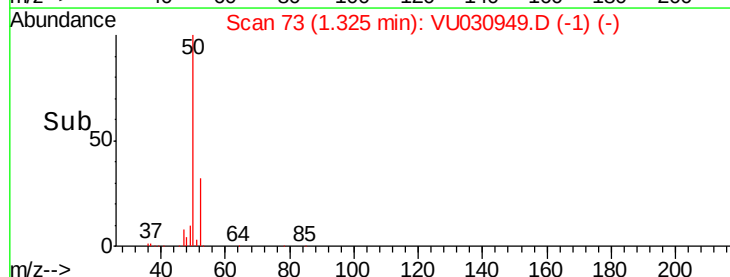
50 100

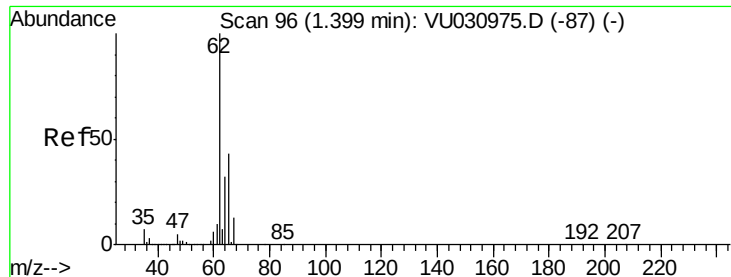
52 32.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030949.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU030949.D (-1) (-)





#5

Vinyl chloride

Concen: 5.092 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

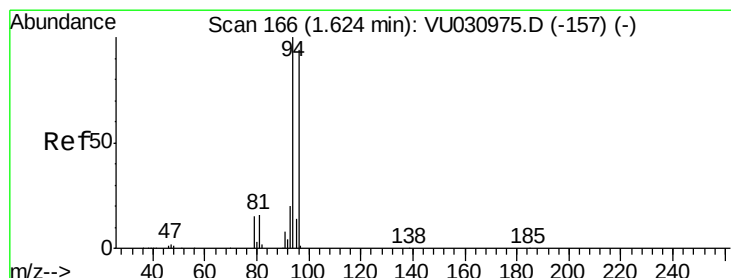
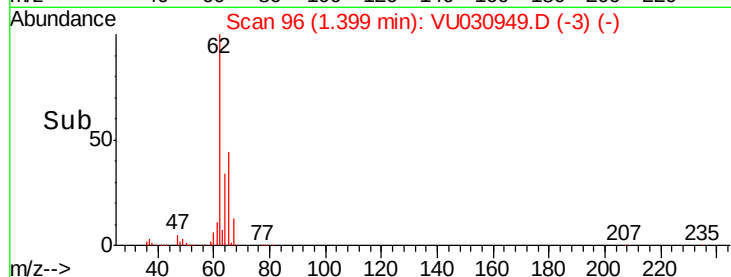
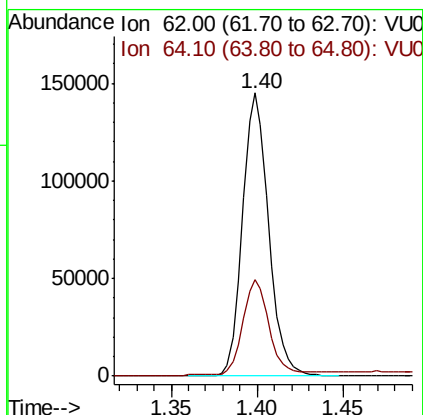
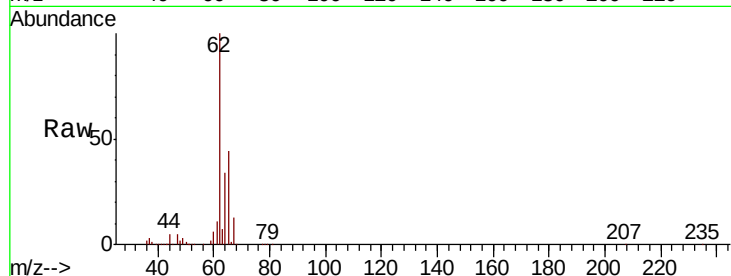
ClientSampleId :

Tot Ion: 62 Resp: 152208

Ion Ratio Lower Upper

62 100

64 34.2 22.5 41.9



#6

Bromomethane

Concen: 5.365 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU030949.D

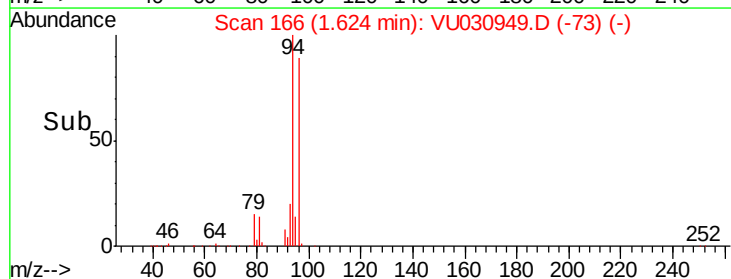
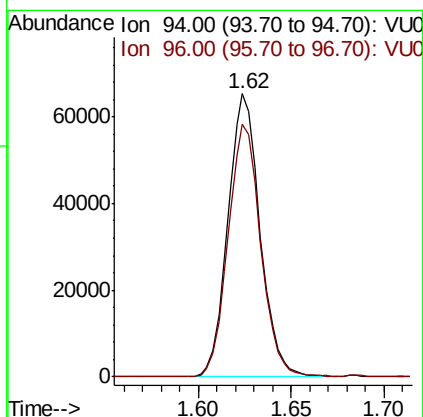
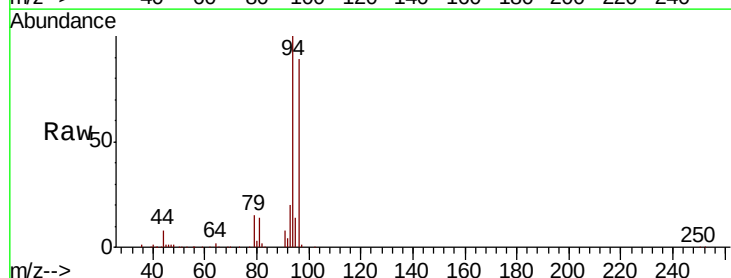
Acq: 09 Apr 2019 11:32

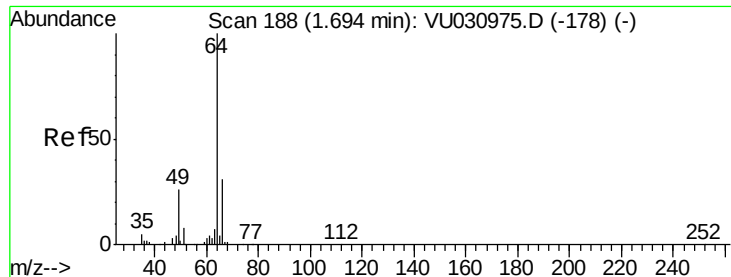
Tgt Ion: 94 Resp: 78460

Ion Ratio Lower Upper

94 100

96 89.3 64.6 120.0

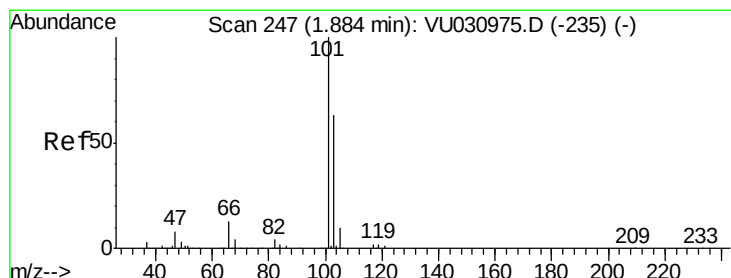
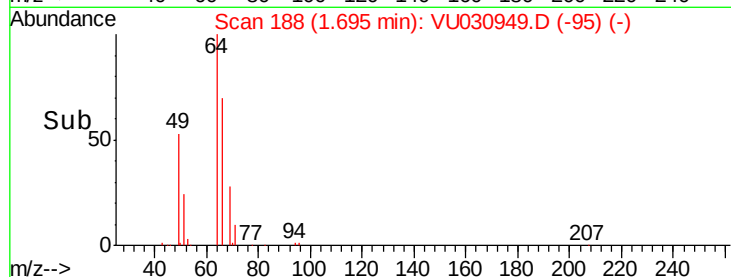
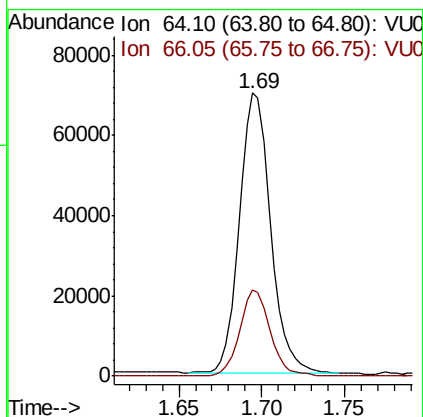
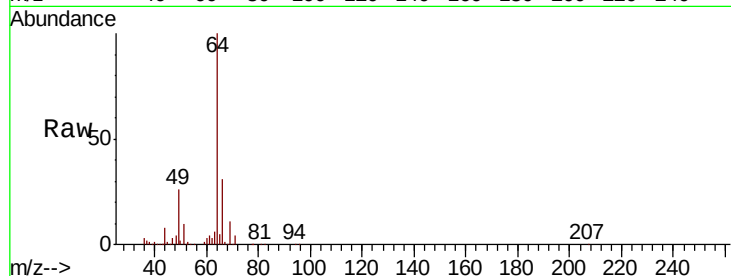




#8
Chloroethane
Concen: 5.355 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

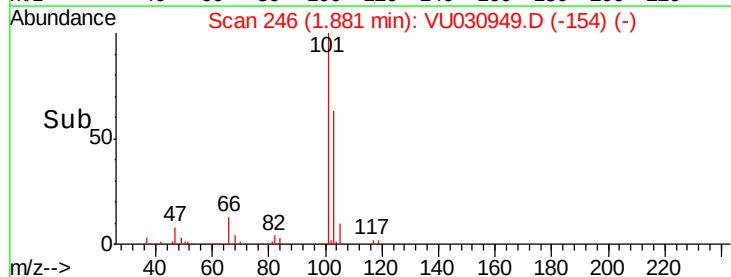
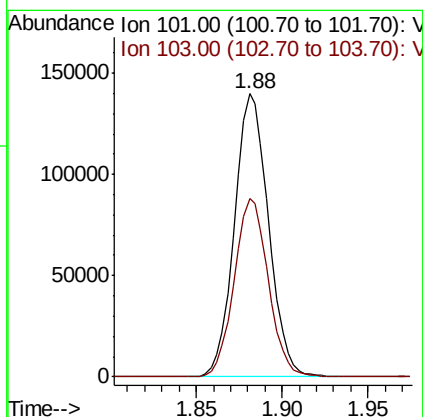
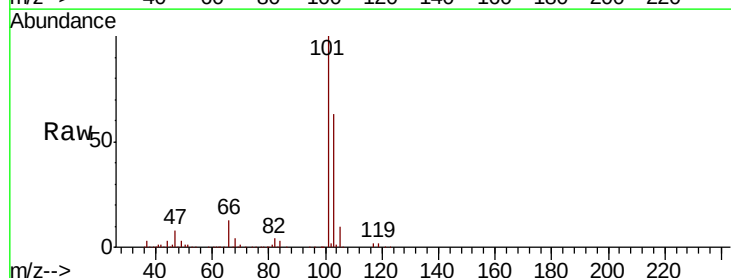
Instrument :
MSVOA_U
ClientSampleId :

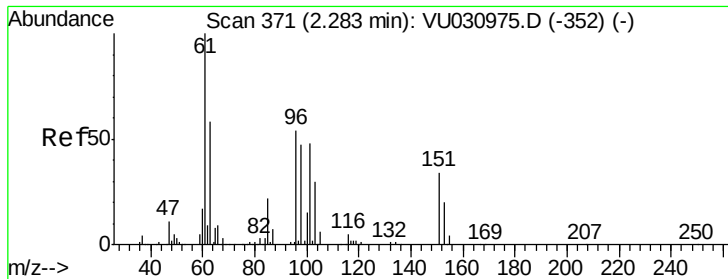
Tot Ion: 64 Resp: 91060
Ion Ratio Lower Upper
64 100
66 30.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.700 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:101 Resp: 193141
Ion Ratio Lower Upper
101 100
103 63.0 52.0 78.0





#10

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

Concen: 5.346 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

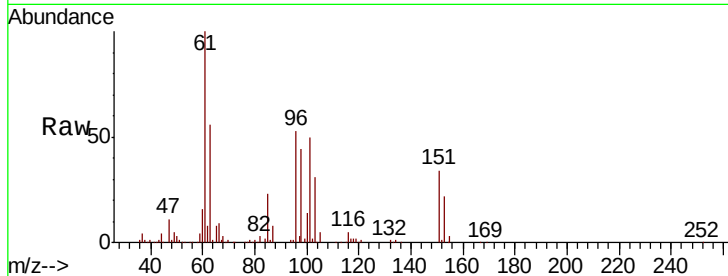
Tot Ion:101 Resp: 100744

Ion Ratio Lower Upper

101 100

85 47.2 35.3 52.9

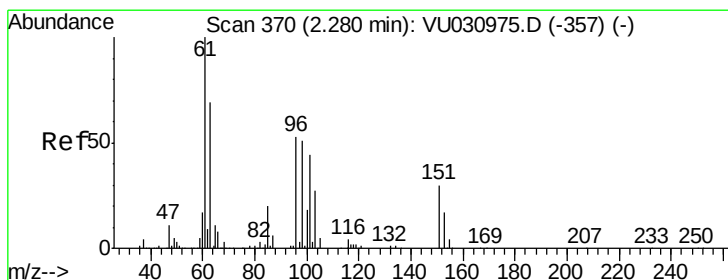
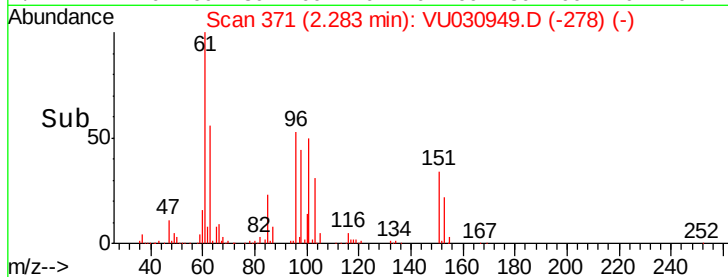
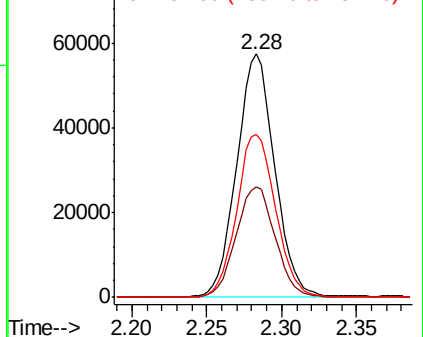
151 69.2 55.2 82.8



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: 5.204 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

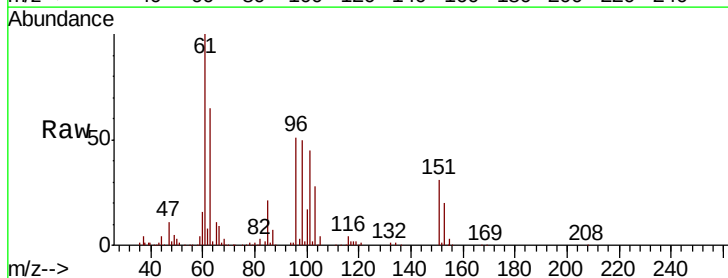
Tgt Ion: 96 Resp: 94862

Ion Ratio Lower Upper

96 100

61 197.8 136.9 254.3

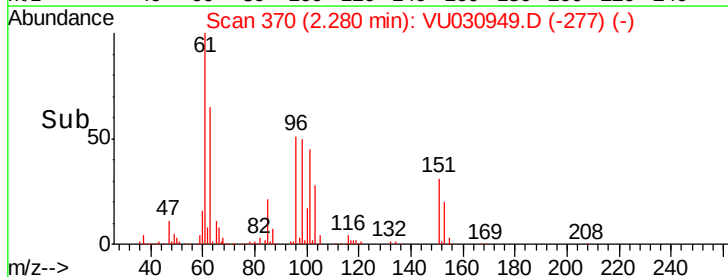
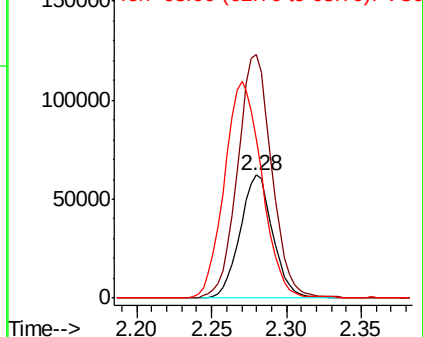
63 129.3 107.7 200.1

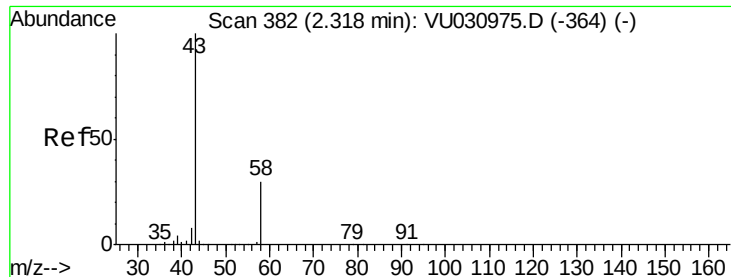


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.932 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

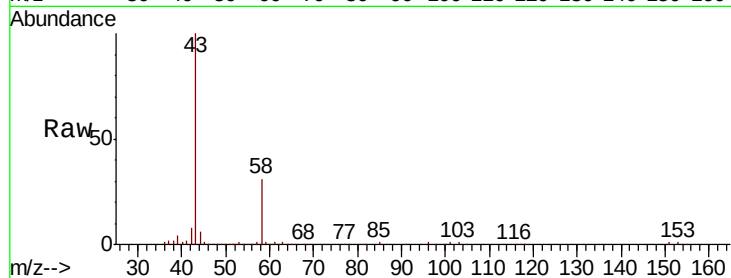
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 227950

Ion Ratio Lower Upper

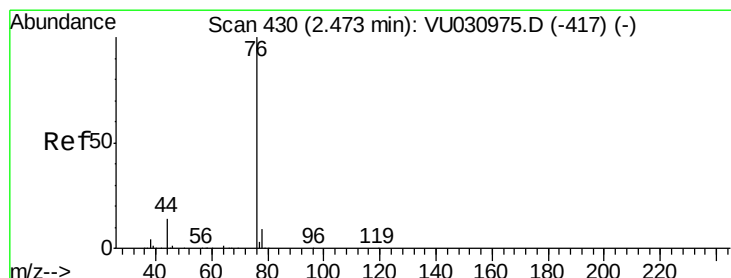
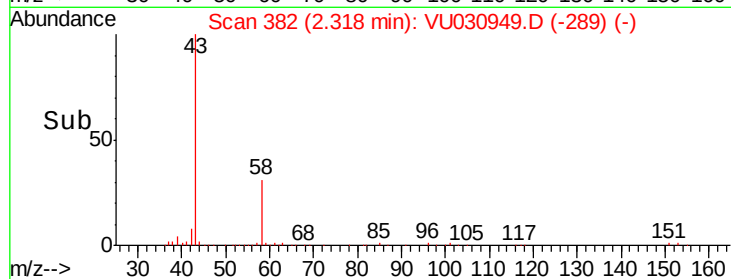
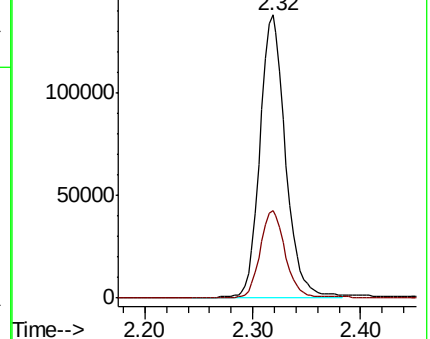
43 100

58 30.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030949.D (-289) (-)

Ion 58.05 (57.75 to 58.75): VU030949.D (-289) (-)



#14

Carbon disulfide

Concen: 5.194 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030949.D

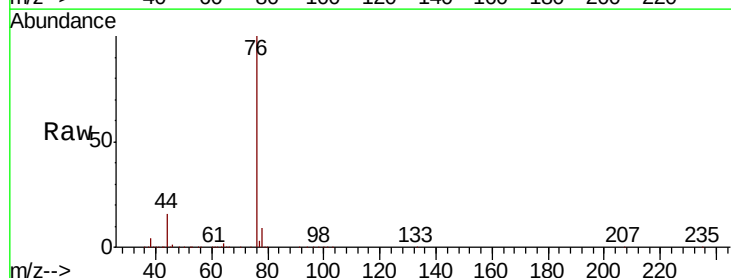
Acq: 09 Apr 2019 11:32

Tgt Ion: 76 Resp: 332048

Ion Ratio Lower Upper

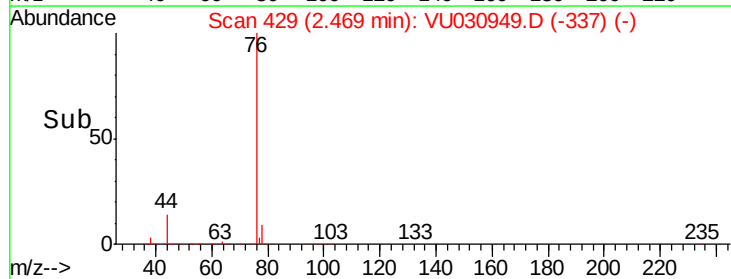
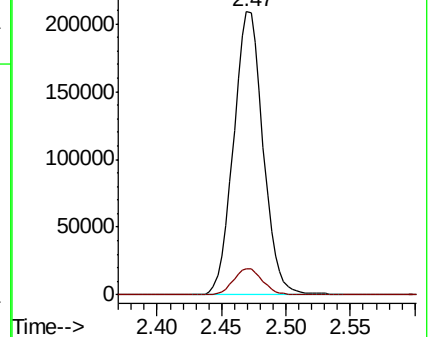
76 100

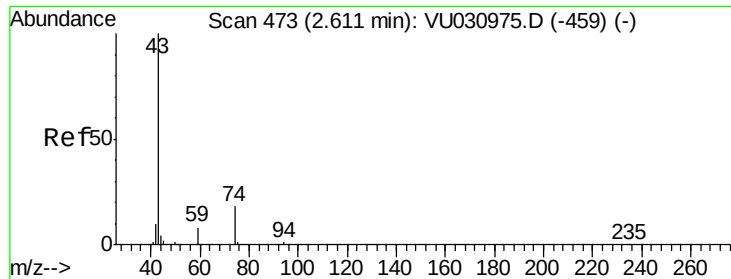
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU030949.D (-337) (-)

Ion 78.00 (77.70 to 78.70): VU030949.D (-337) (-)

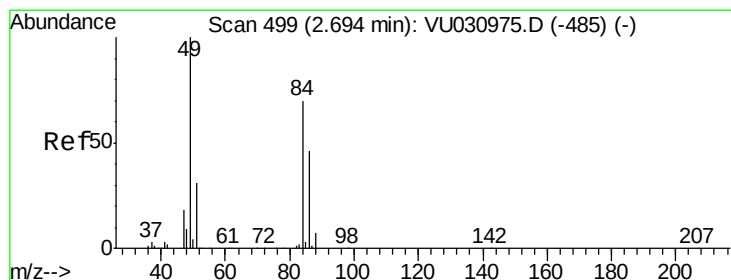
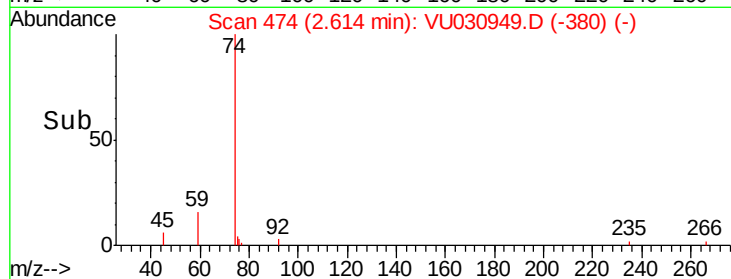
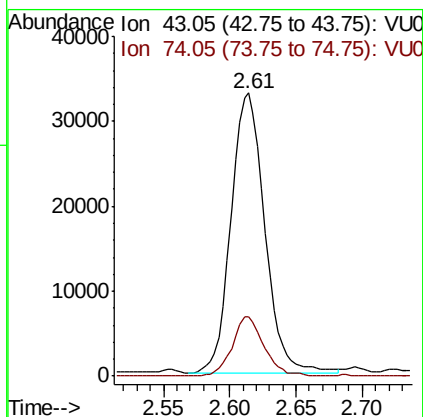
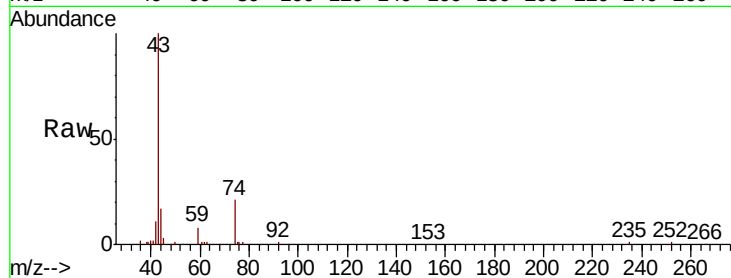




#15
Methyl Acetate
Concen: 5.967 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

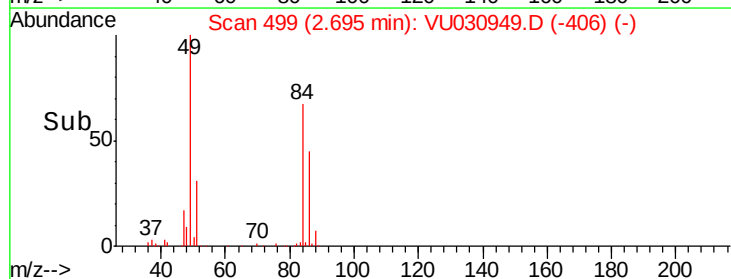
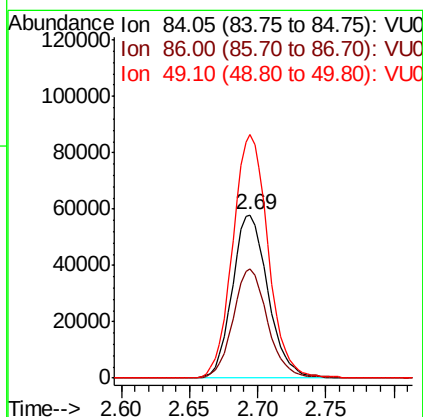
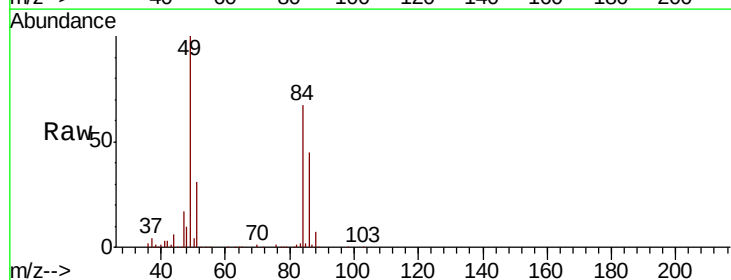
Instrument :
MSVOA_U
ClientSampleId :

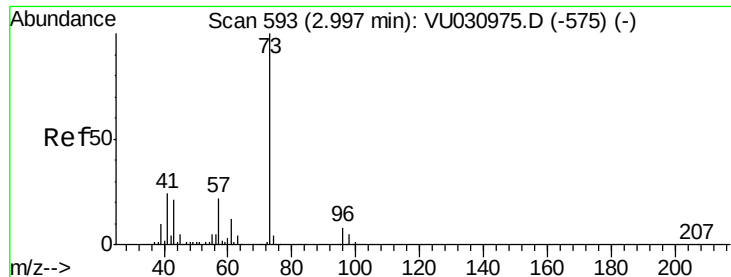
Tot Ion: 43 Resp: 58626
Ion Ratio Lower Upper
43 100
74 19.7 17.1 25.7



#16
Methylene chloride
Concen: 4.971 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 84 Resp: 105636
Ion Ratio Lower Upper
84 100
86 67.1 43.4 80.6
49 149.3 98.5 182.9

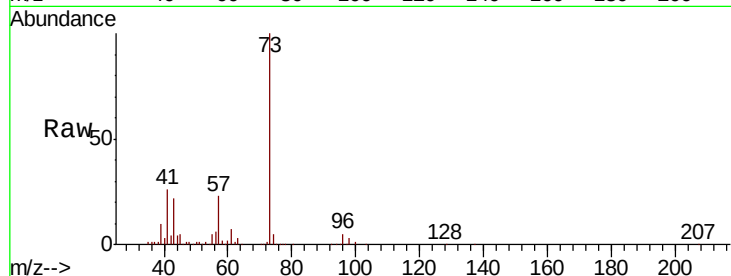




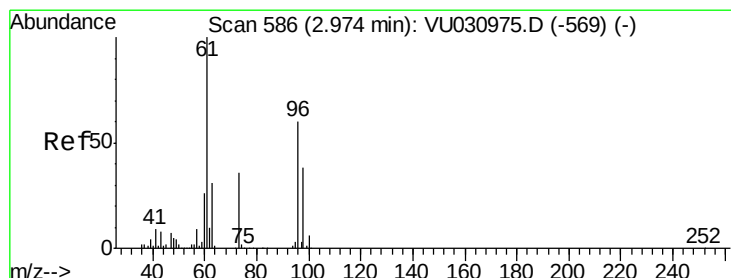
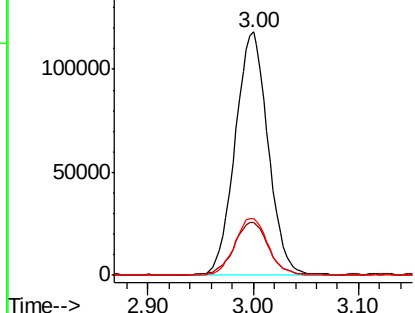
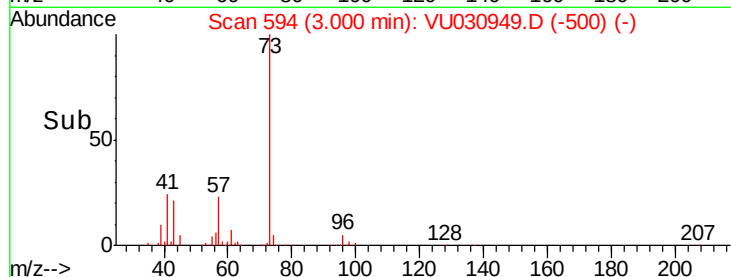
#17
Methyl tert-butyl Ether
Concen: 5.251 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.0	25.4
57	23.8	19.4	29.2

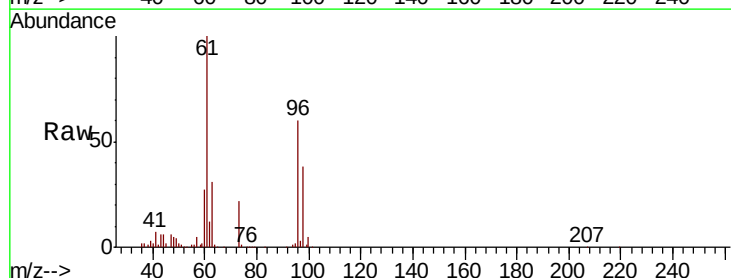


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

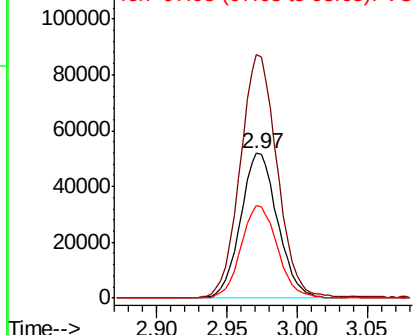
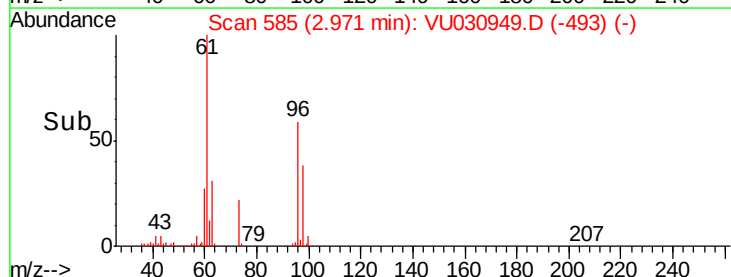


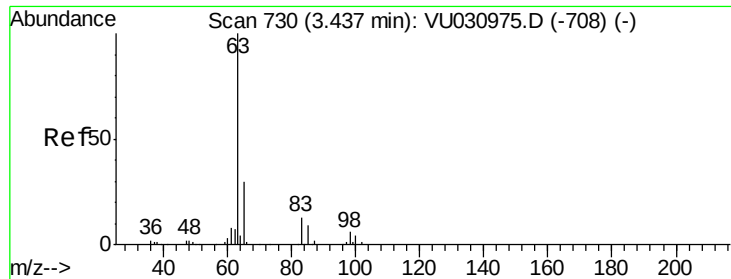
#18
trans-1,2-Dichloroethene
Concen: 4.970 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	116.8	216.8
98	63.7	46.8	87.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

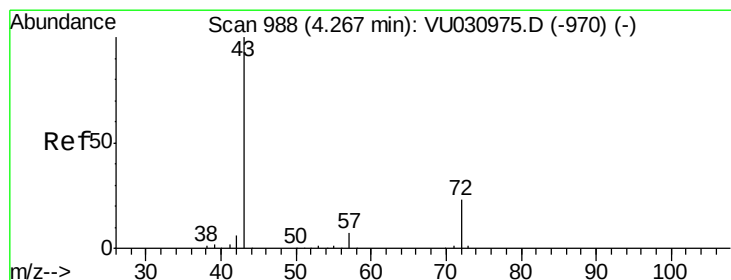
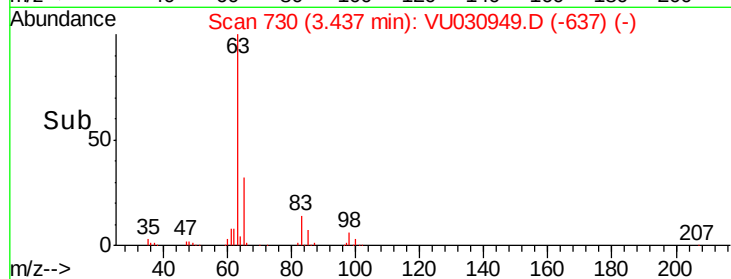
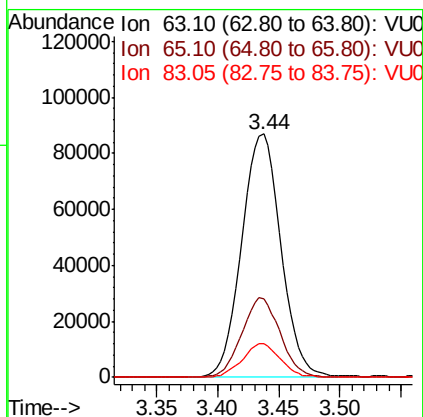
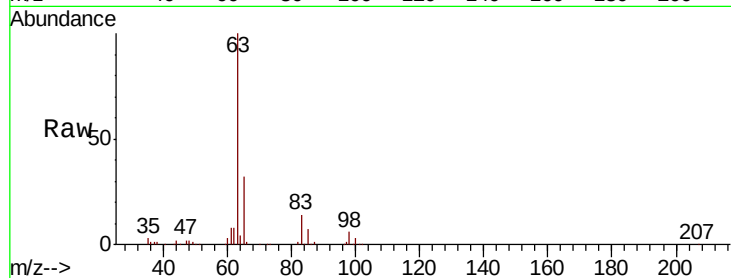




#19
 1,1-Dichloroethane
 Concen: 4.749 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

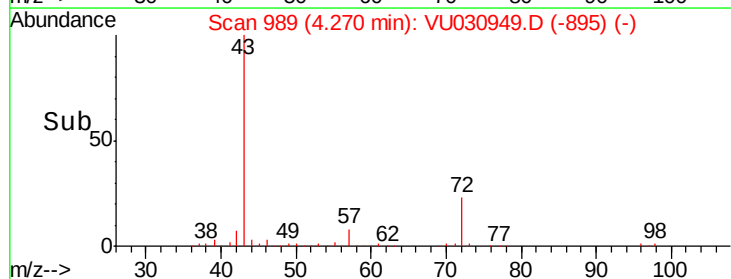
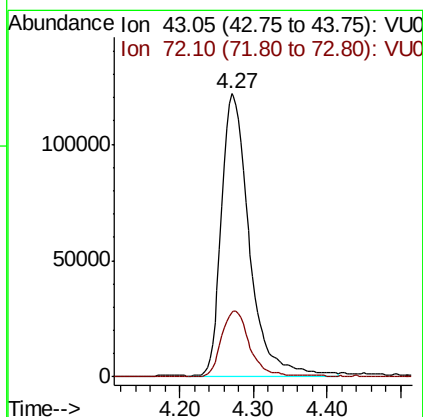
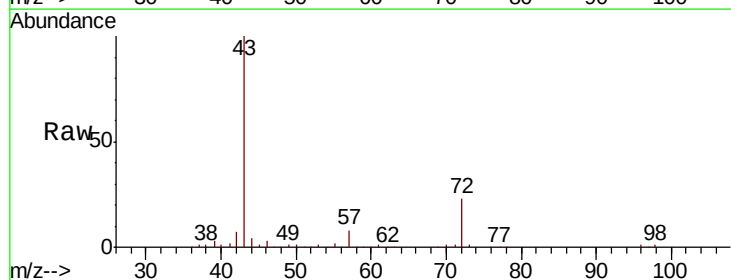
Instrument :
 MSVOA_U
 ClientSampled :

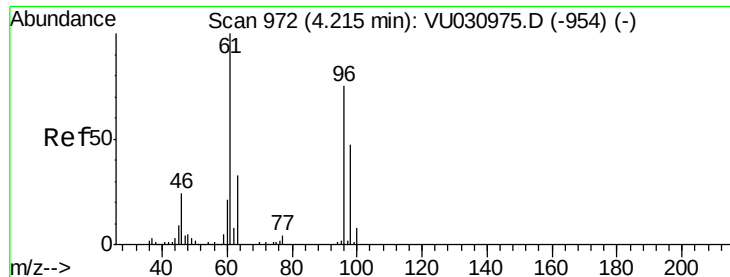
Tot Ion: 63 Resp: 193321
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.0
 83 13.6 9.1 16.9



#21
 2-Butanone
 Concen: 52.997 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 43 Resp: 319462
 Ion Ratio Lower Upper
 43 100
 72 23.0 11.2 33.5



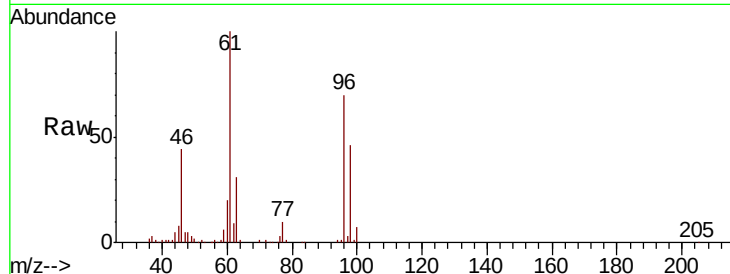


#22

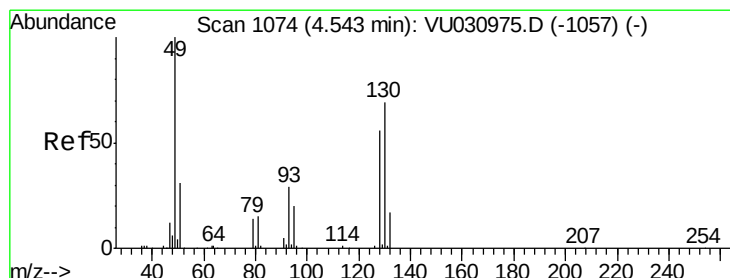
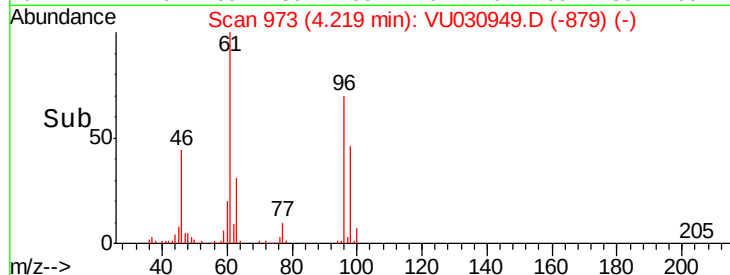
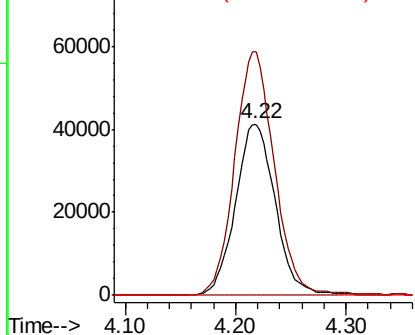
cis-1,2-Dichloroethene
Concen: 5.001 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 102633
Ion Ratio Lower Upper
96 100
61 142.2 98.9 183.7
68 0.0 0.0 0.0



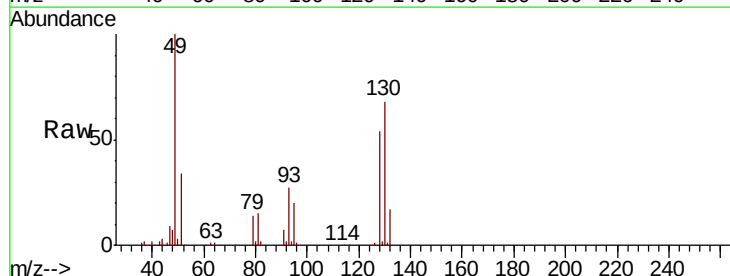
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



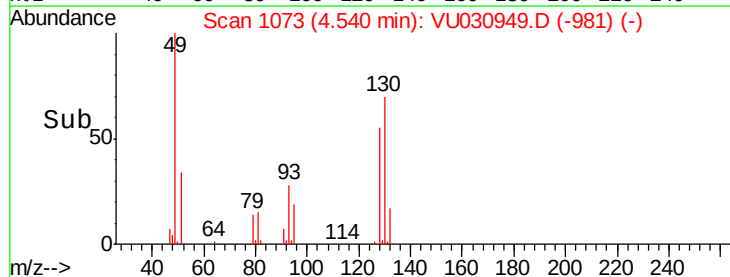
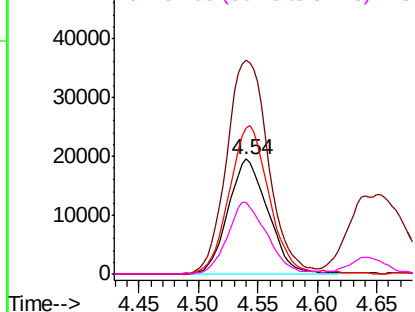
#23

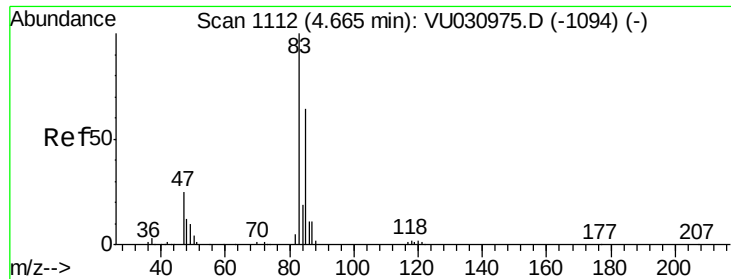
Bromochloromethane
Concen: 5.531 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:128 Resp: 45345
Ion Ratio Lower Upper
128 100
49 185.7 140.6 261.2
130 126.8 87.3 162.1
51 62.6 51.8 77.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

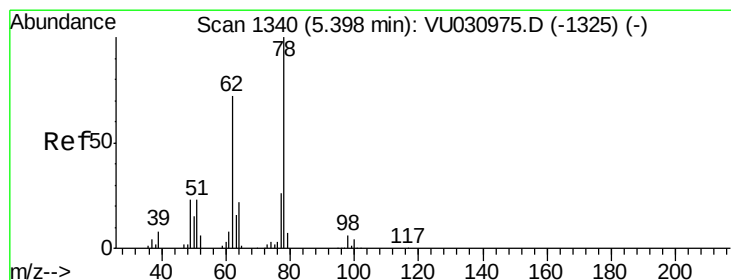
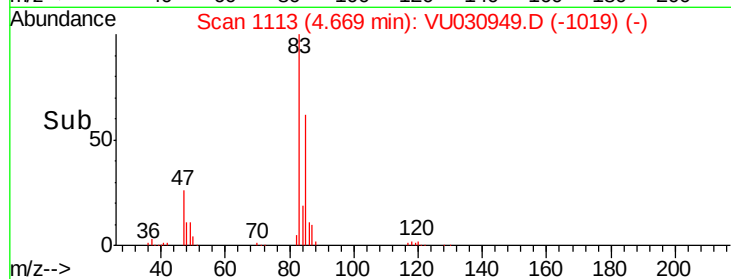
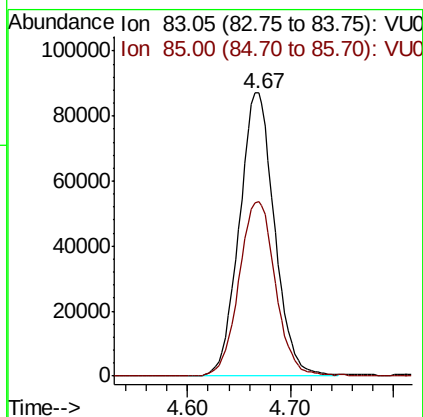
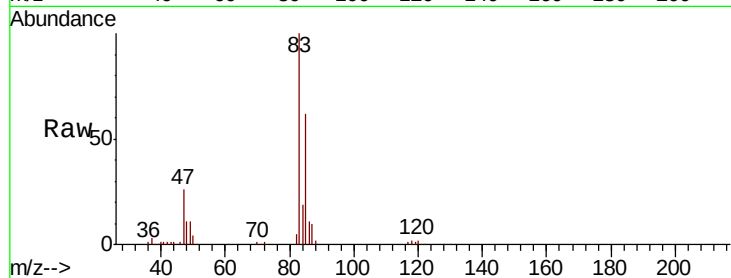




#25
Chloroform
Concen: 5.556 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

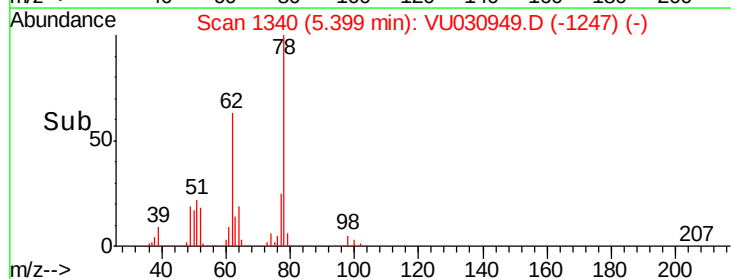
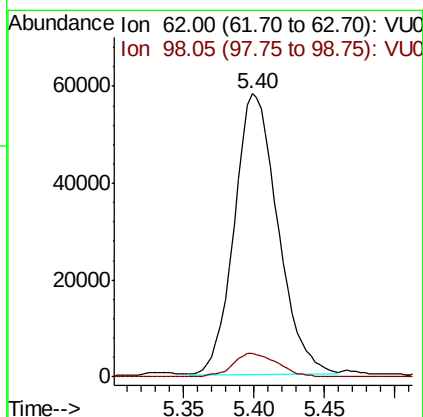
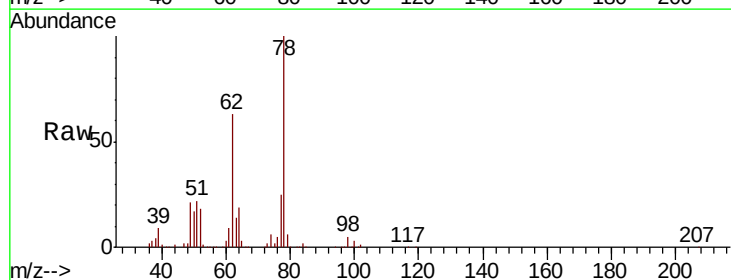
Instrument :
MSVOA_U
ClientSampleId :

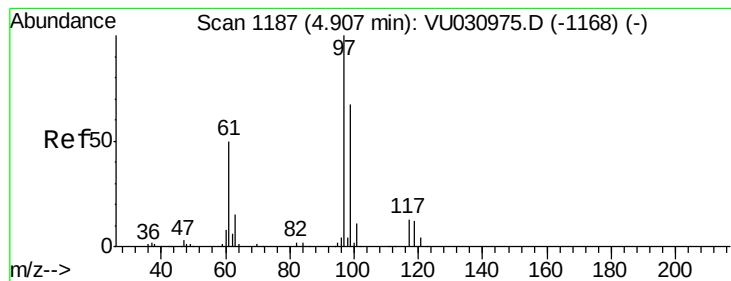
Tot Ion: 83 Resp: 206198
Ion Ratio Lower Upper
83 100
85 61.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.215 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 62 Resp: 125594
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.972 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

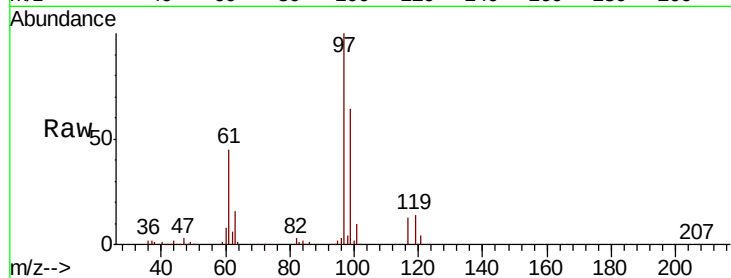
Tot Ion: 97 Resp: 159279

Ion Ratio Lower Upper

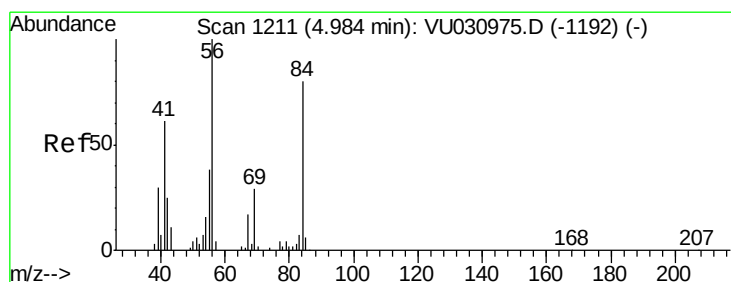
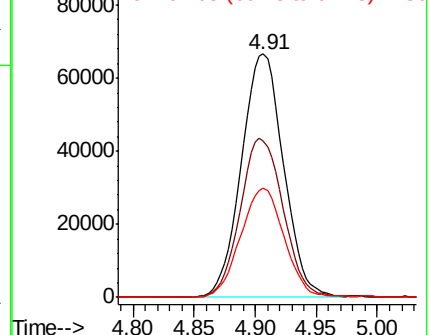
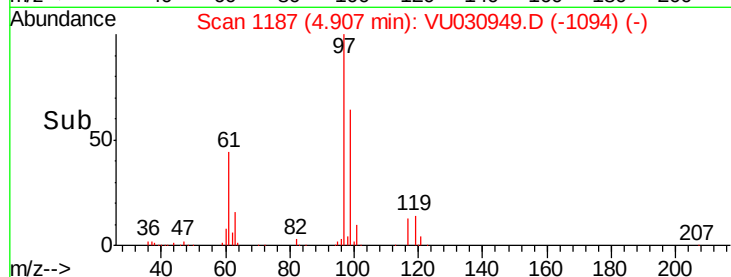
97 100

99 67.0 51.8 77.6

61 46.4 38.1 57.1



Abundance Ion 96.95 (96.65 to 97.65): VU030949.D (-1094) (-)



#30

Cyclohexane

Concen: 4.301 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

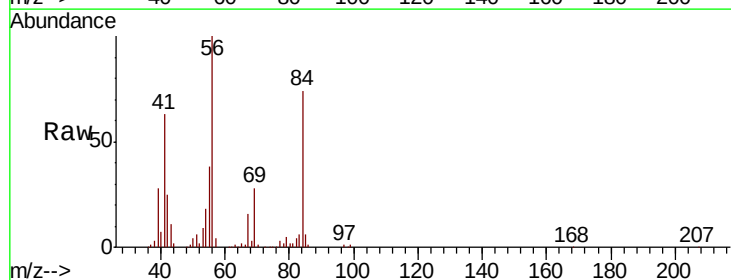
Tgt Ion: 56 Resp: 166351

Ion Ratio Lower Upper

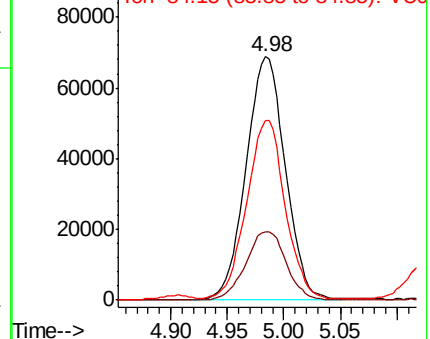
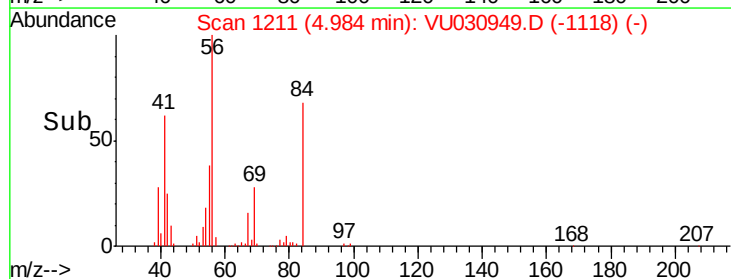
56 100

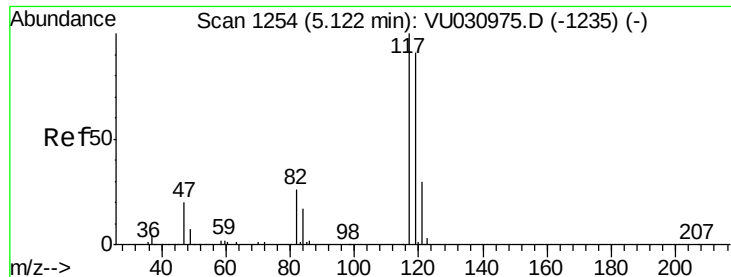
69 28.9 22.3 33.5

84 73.0 58.3 87.5



Abundance Ion 56.10 (55.80 to 56.80): VU030949.D (-1118) (-)





#31

Carbon tetrachloride

Concen: 5.223 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

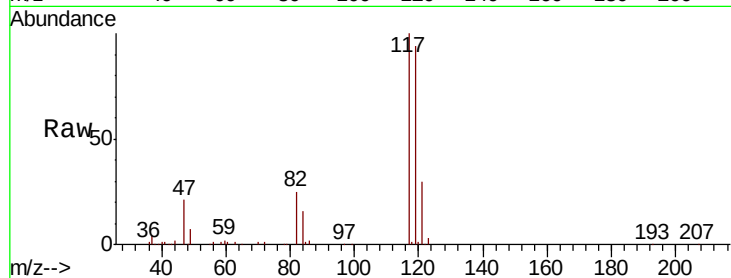
ClientSampleId :

Tot Ion:117 Resp: 140478

Ion Ratio Lower Upper

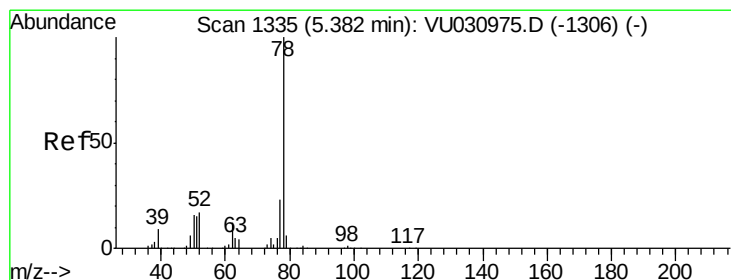
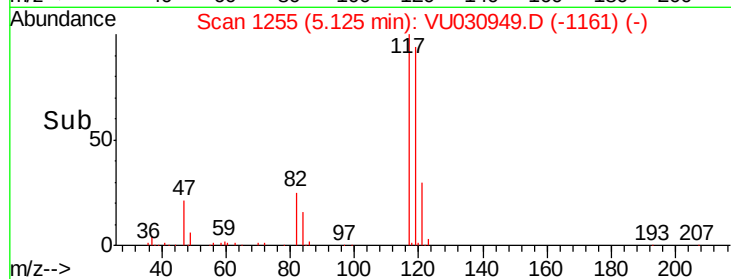
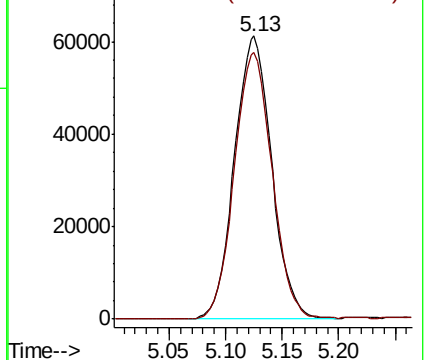
117 100

119 95.7 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.835 ug/L

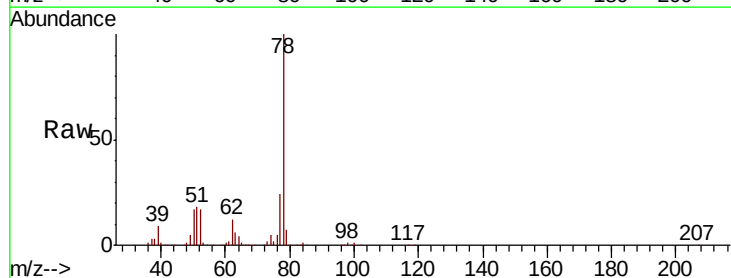
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

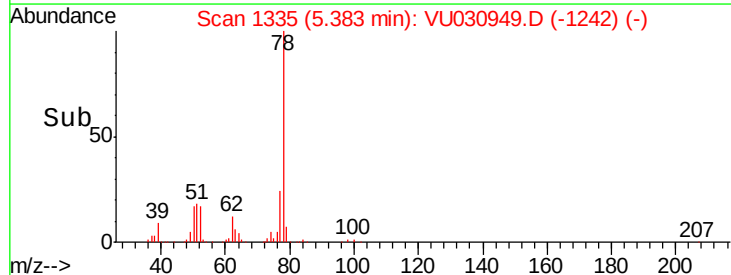
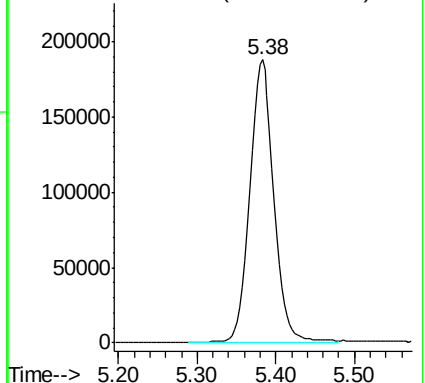
Lab File: VU030949.D

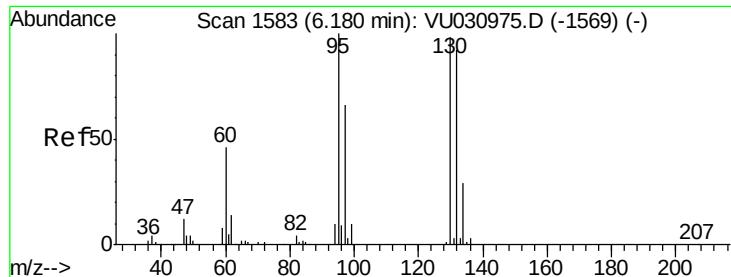
Acq: 09 Apr 2019 11:32

Tgt Ion: 78 Resp: 411303



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.709 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 100283

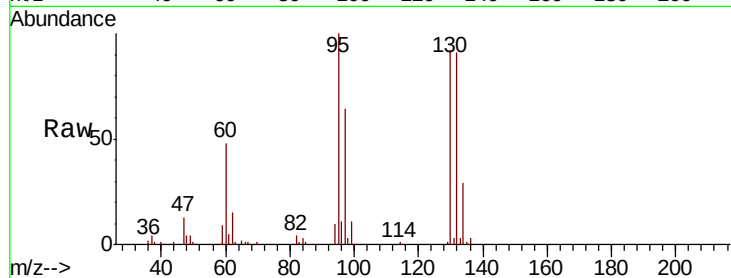
Ion Ratio Lower Upper

95 100

97 64.4 43.5 80.9

132 91.2 60.7 112.7

130 92.0 65.1 120.9

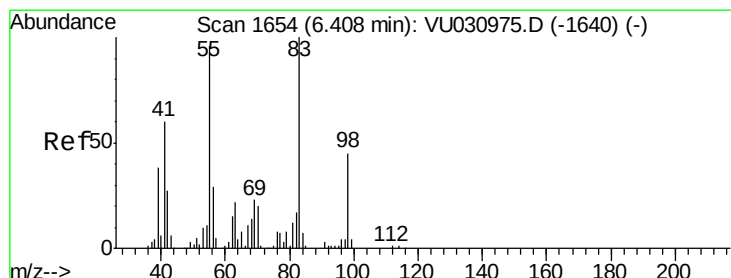
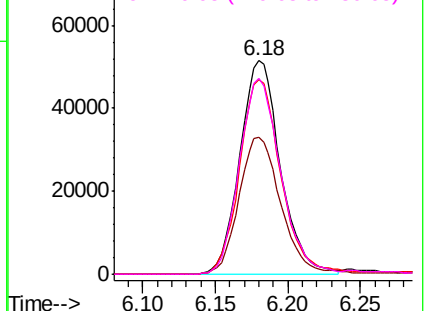
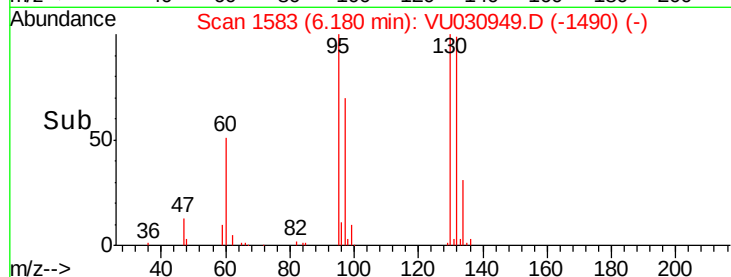


Abundance Ion 95.00 (94.70 to 95.70): VU030949.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU030949.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU030949.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU030949.D (-1490) (-)



#35

Methylcyclohexane

Concen: 4.391 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

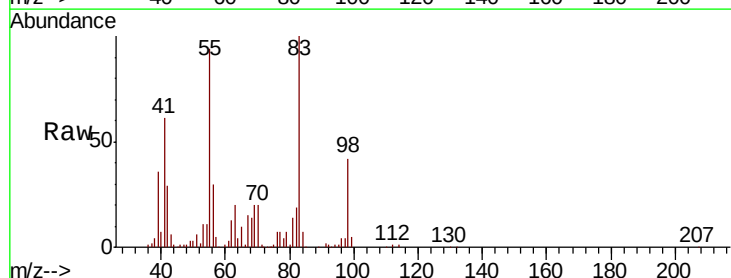
Tgt Ion: 83 Resp: 149215

Ion Ratio Lower Upper

83 100

55 93.5 72.6 108.8

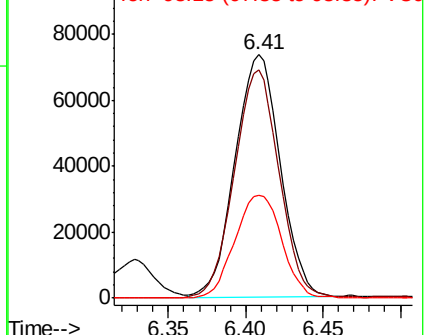
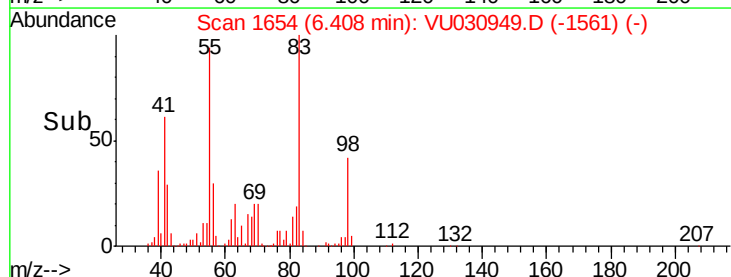
98 44.2 35.0 52.6

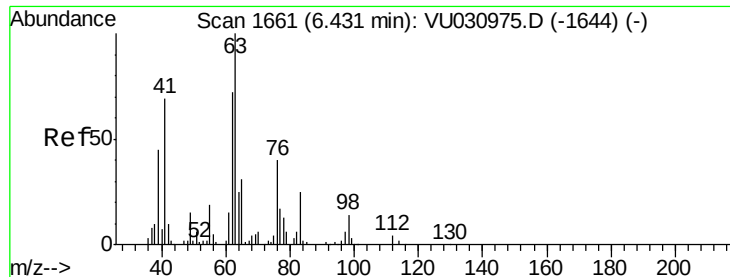


Abundance Ion 83.15 (82.85 to 83.85): VU030949.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU030949.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU030949.D (-1561) (-)

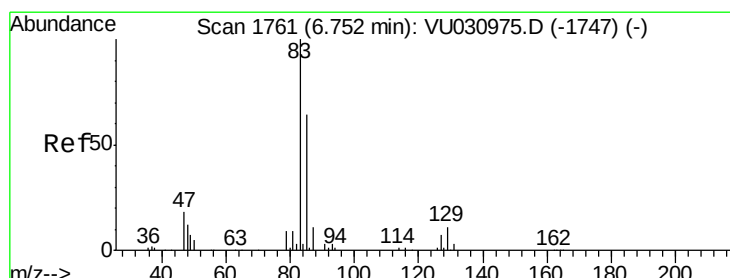
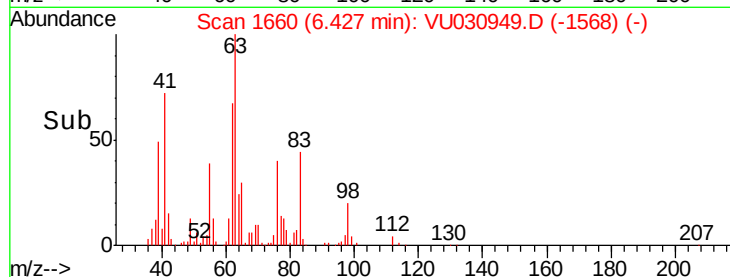
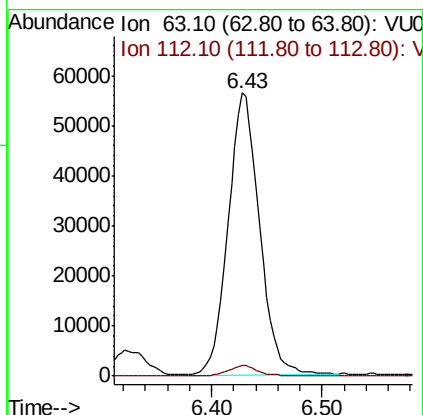
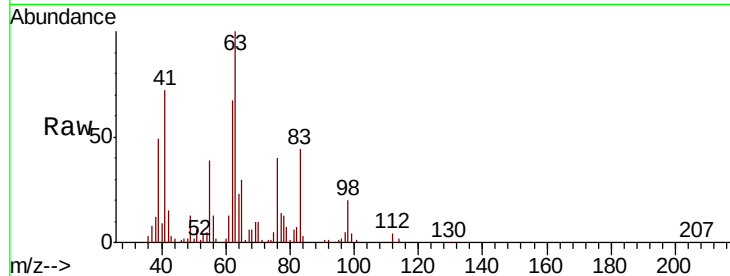




#37
 1,2-Dichloropropane
 Concen: 4.748 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

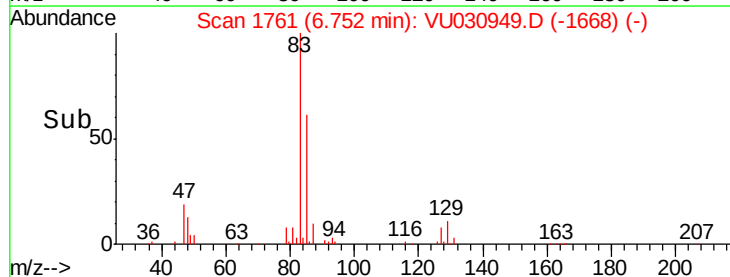
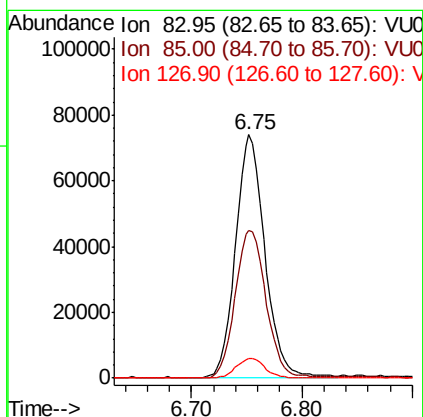
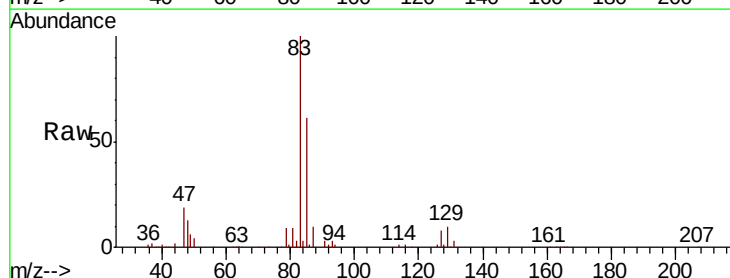
Instrument :
 MSVOA_U
 ClientSampleId :

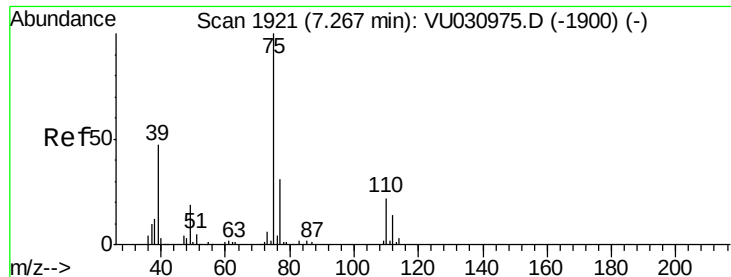
Tot Ion: 63 Resp: 111156
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.009 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 83 Resp: 136928
 Ion Ratio Lower Upper
 83 100
 85 60.8 45.1 83.9
 127 8.0 6.5 9.7



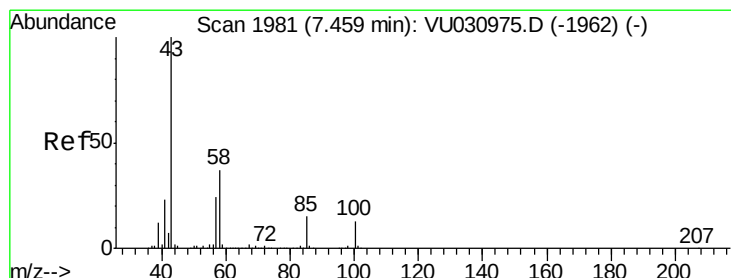
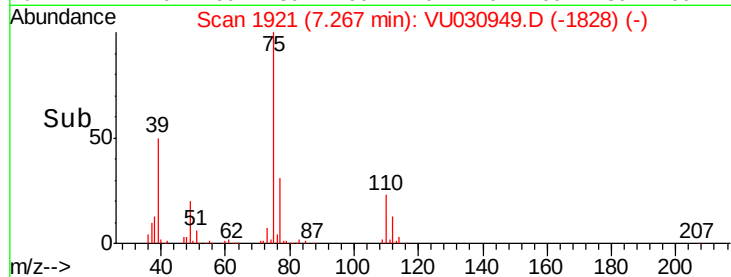
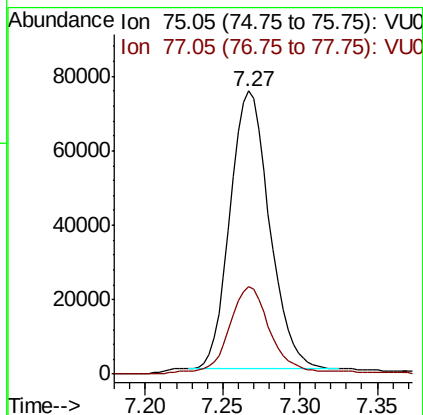
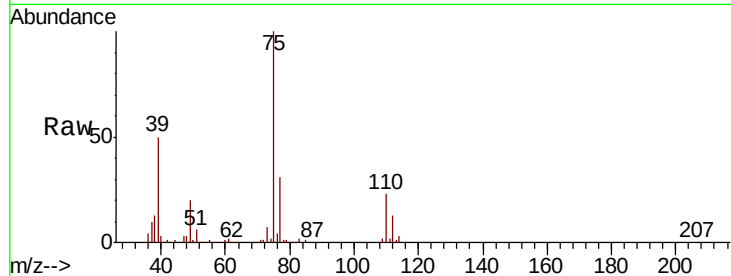


#39

cis-1,3-Dichloropropene
 Concen: 4.228 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :

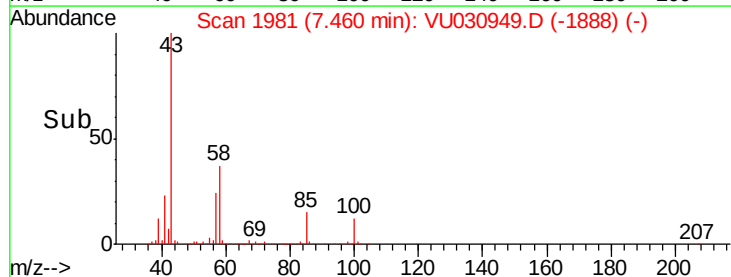
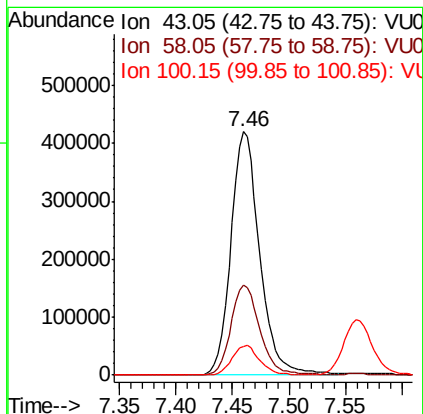
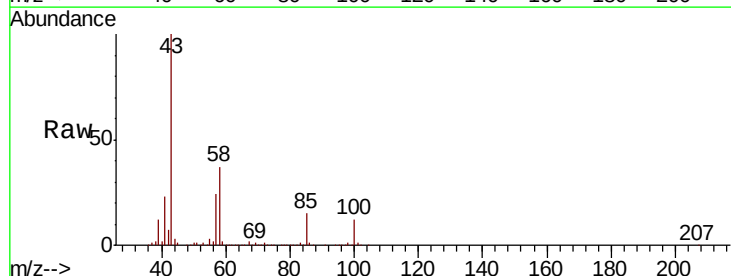
Tot Ion: 75 Resp: 132379
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.5

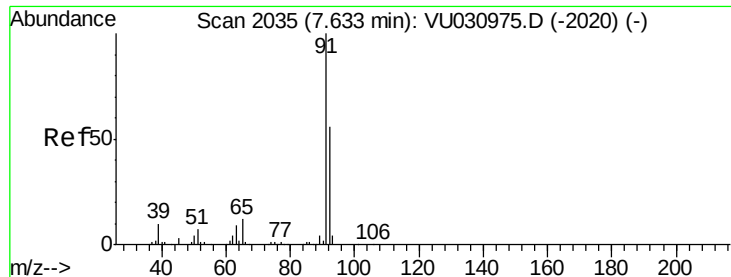


#40

4-Methyl-2-pentanone
 Concen: 51.006 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 43 Resp: 744886
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.4 44.2
 100 11.9 9.2 13.8





#42

Toluene

Concen: 5.007 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

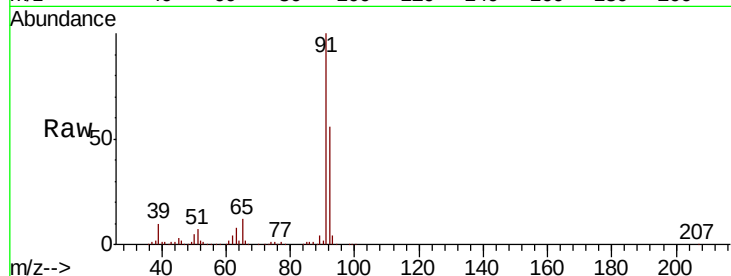
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 427182

Ion Ratio Lower Upper

91 100

92 56.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU030949.D (-1942) (-)

Ion 92.15 (91.85 to 92.85): VU030949.D (-1942) (-)

7.63

250000

200000

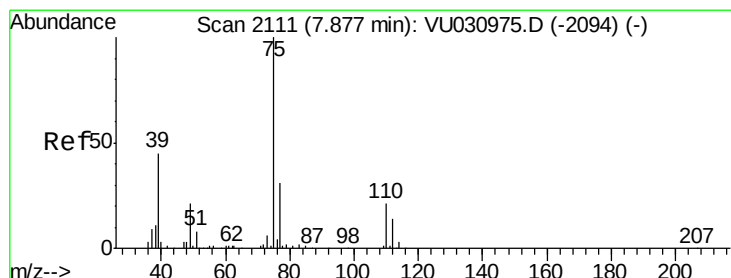
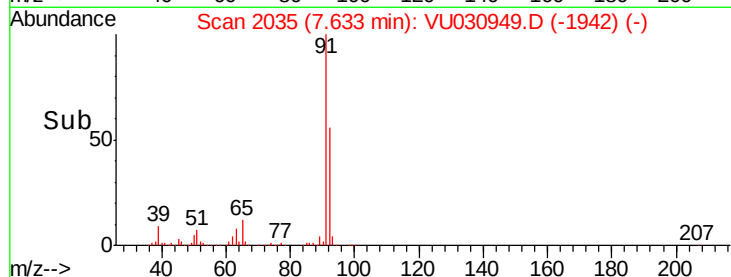
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.920 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030949.D

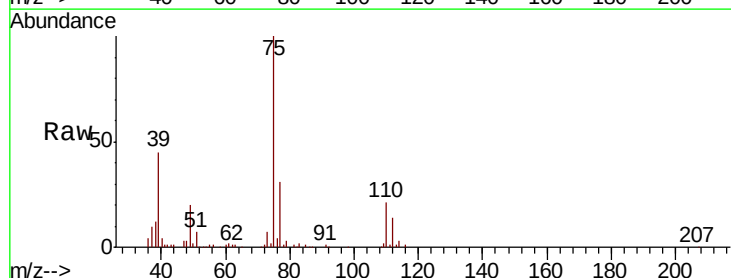
Acq: 09 Apr 2019 11:32

Tgt Ion: 75 Resp: 119233

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU030949.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU030949.D (-2018) (-)

7.88

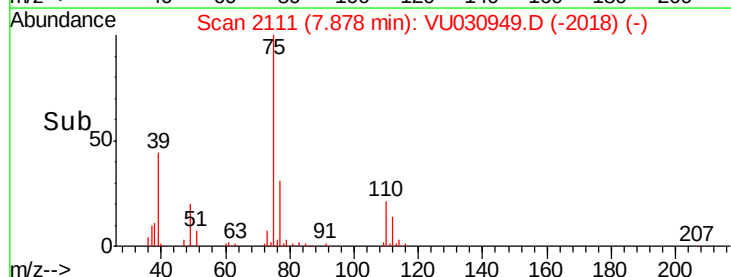
60000

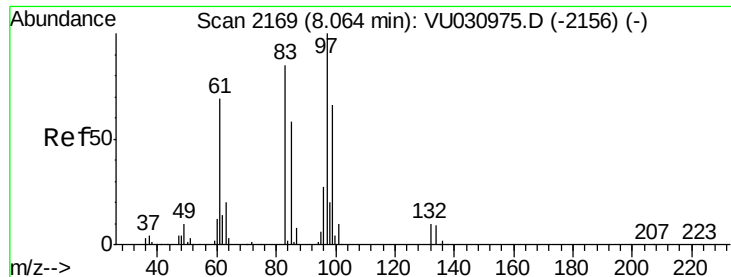
40000

20000

0

Time-->

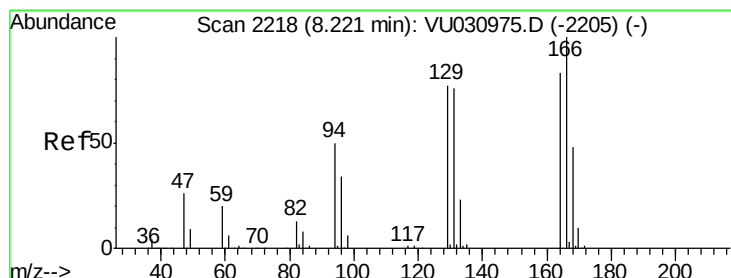
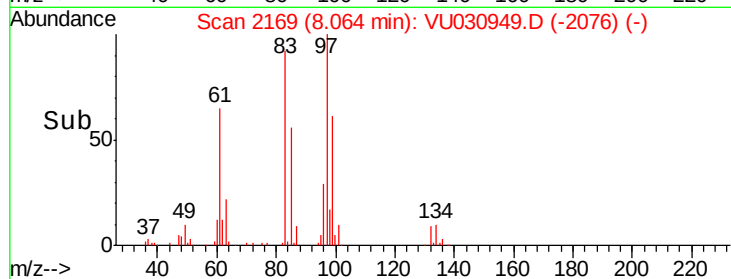
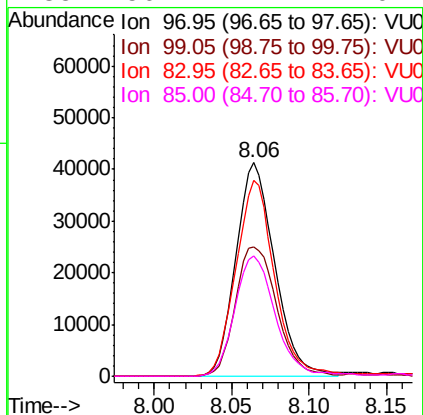
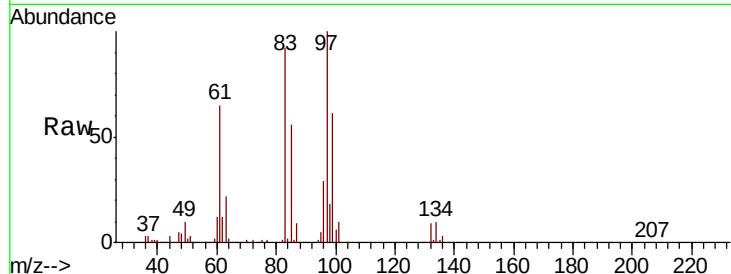




#45
 1,1,2-Trichloroethane
 Concen: 5.152 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

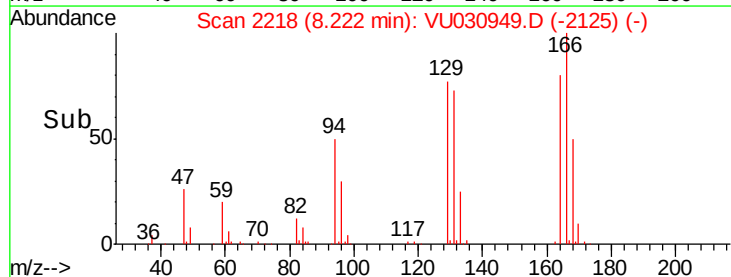
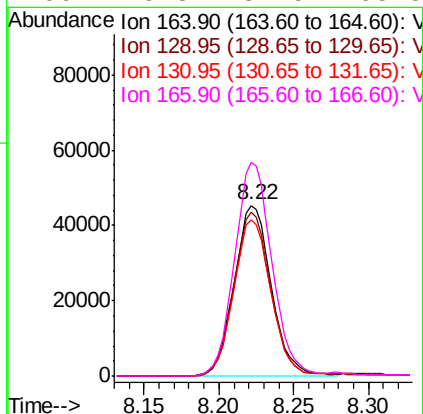
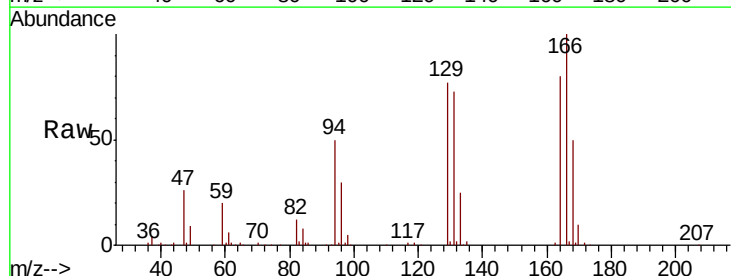
Instrument :
 MSVOA_U
 ClientSampleId :

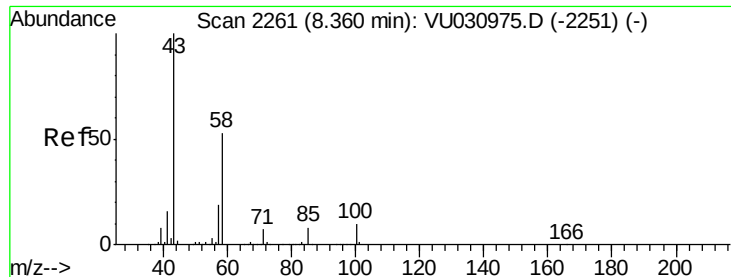
Tot Ion:	97	Resp:	71923
Ion	Ratio	Lower	Upper
97	100		
99	60.8	45.3	84.1
83	91.7	66.5	123.5
85	56.4	41.2	76.4



#47
 Tetrachloroethene
 Concen: 5.241 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion:	164	Resp:	78290
Ion	Ratio	Lower	Upper
164	100		
129	96.4	70.1	130.1
131	92.0	67.8	125.8
166	125.3	87.9	163.3

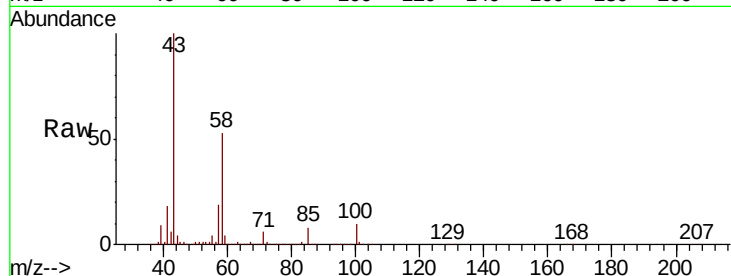




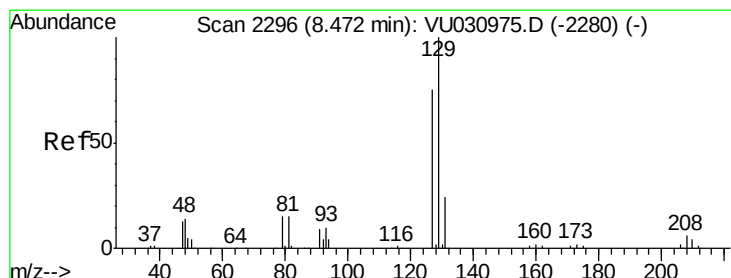
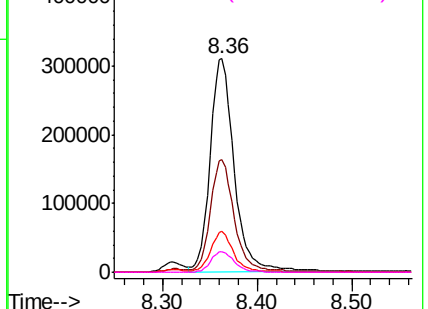
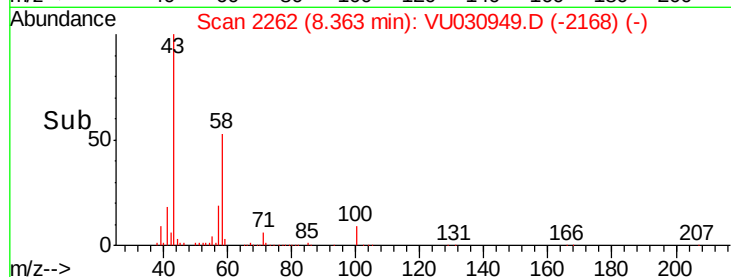
#48
2-Hexanone
Concen: 53.893 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 545333
Ion Ratio Lower Upper
43 100
58 52.8 42.5 63.7
57 18.1 13.9 20.9
100 9.6 7.1 10.7

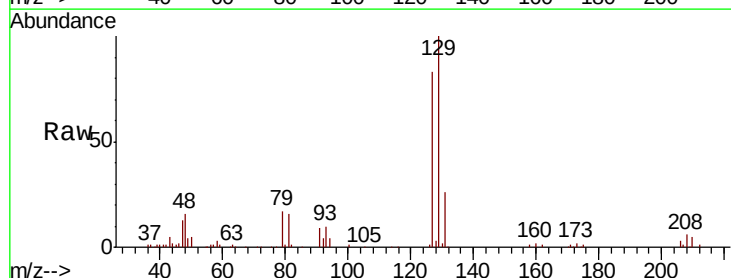


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

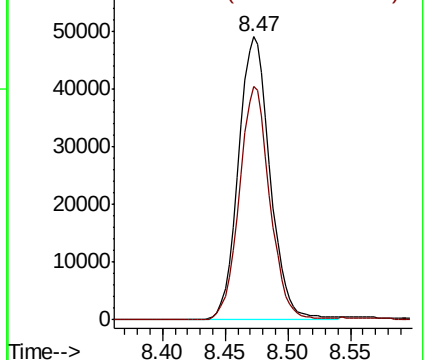
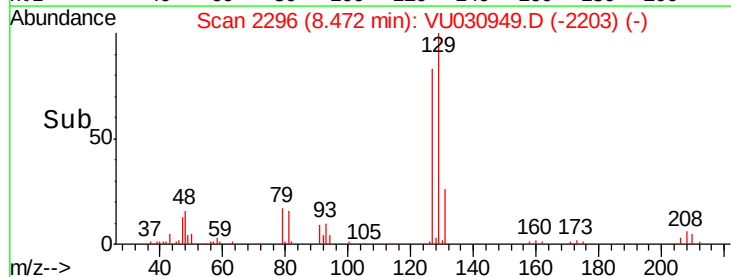


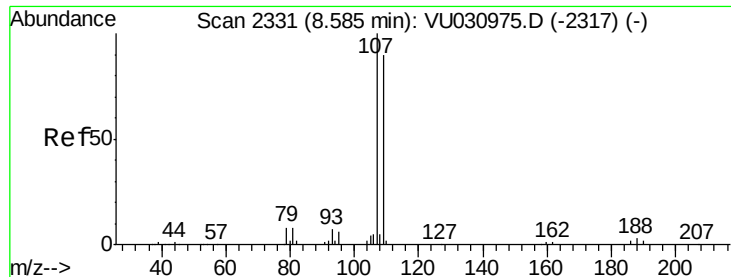
#49
Dibromochloromethane
Concen: 5.172 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion: 129 Resp: 86329
Ion Ratio Lower Upper
129 100
127 82.5 51.1 94.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

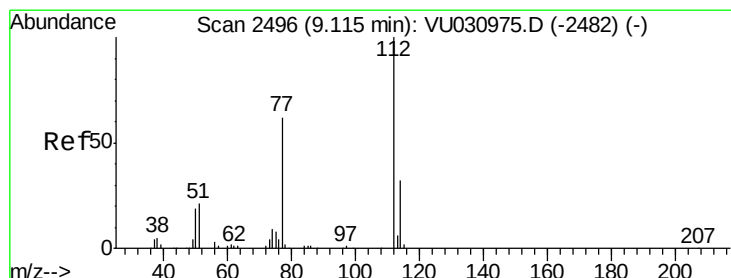
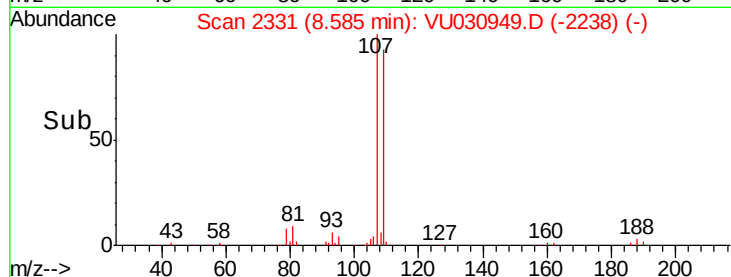
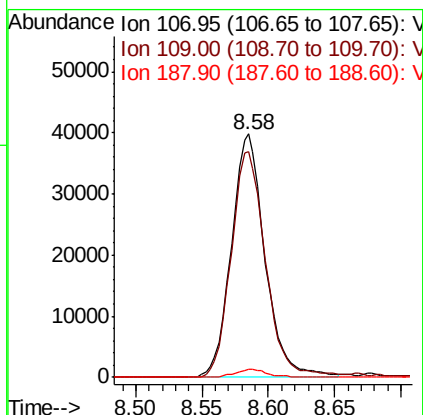
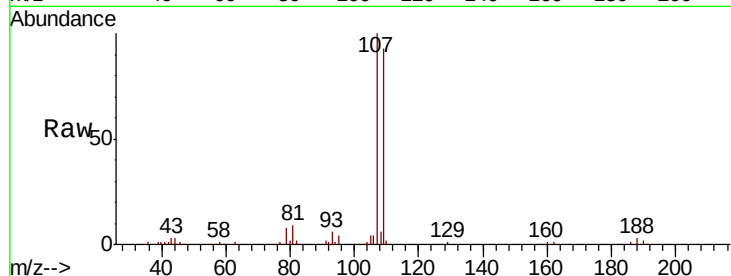




#50
1,2-Dibromoethane
Concen: 5.380 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

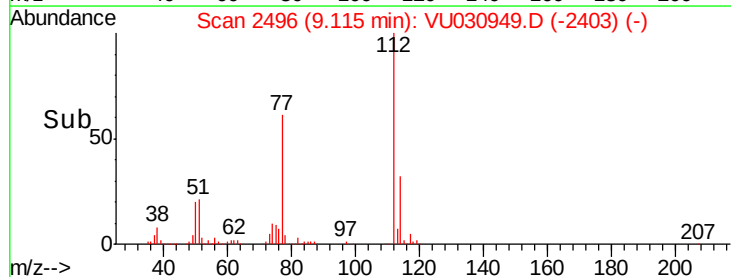
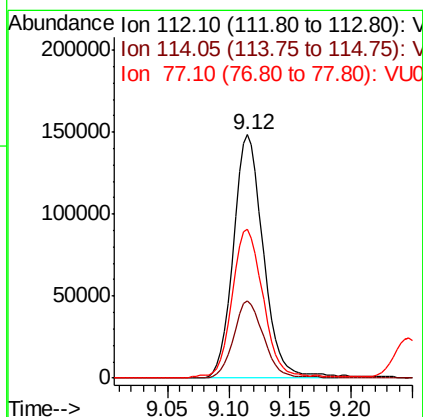
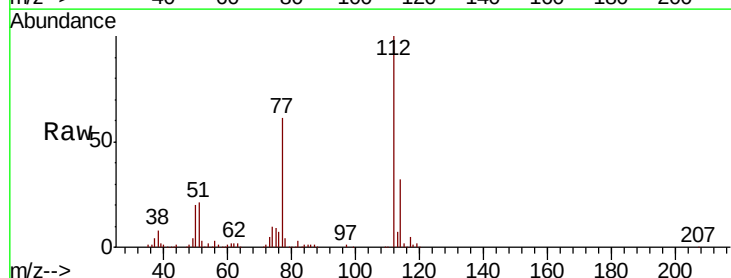
Instrument :
MSVOA_U
ClientSampleId :

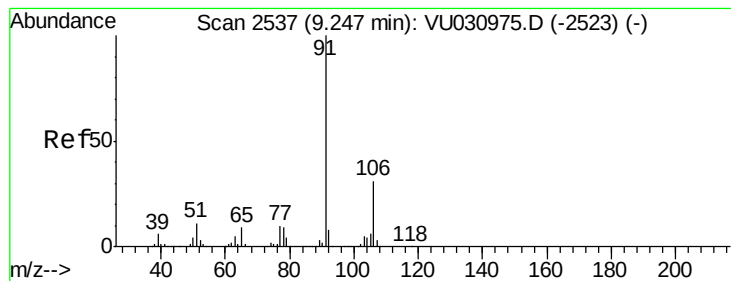
Tot Ion:107 Resp: 70008
Ion Ratio Lower Upper
107 100
109 92.6 65.6 121.8
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.819 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:112 Resp: 253523
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 61.1 51.0 76.6





#52

Ethylbenzene

Concen: 4.716 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

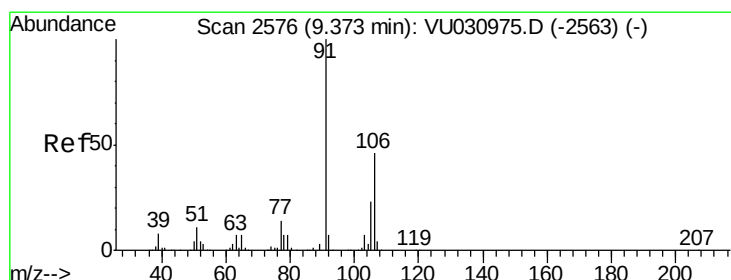
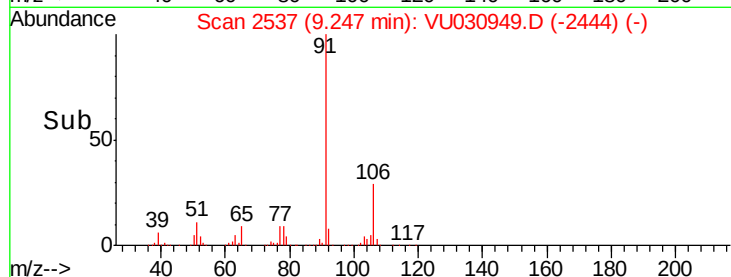
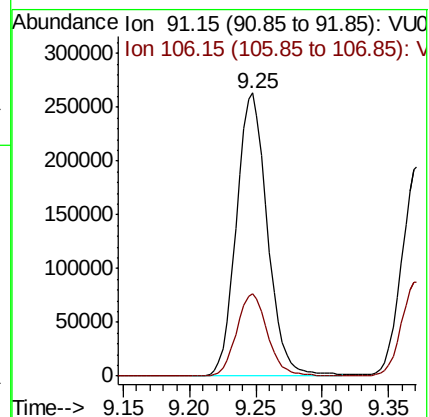
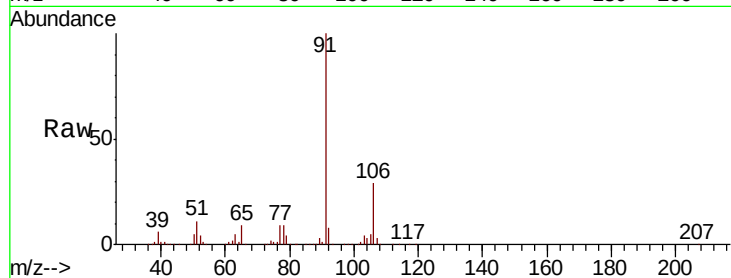
ClientSampleId :

Tot Ion: 91 Resp: 429136

Ion Ratio Lower Upper

91 100

106 29.0 20.2 37.4



#53

m,p-Xylene

Concen: 4.784 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030949.D

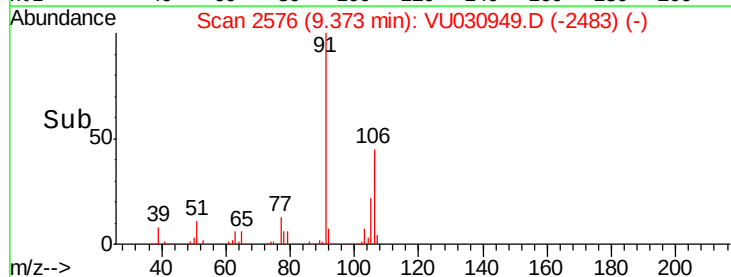
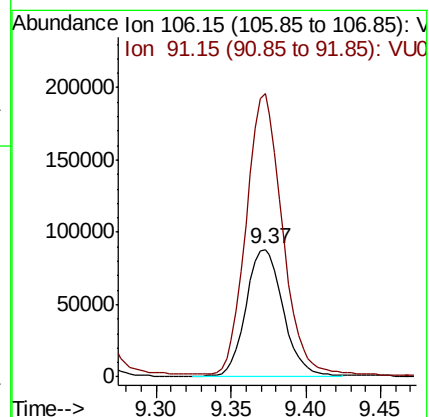
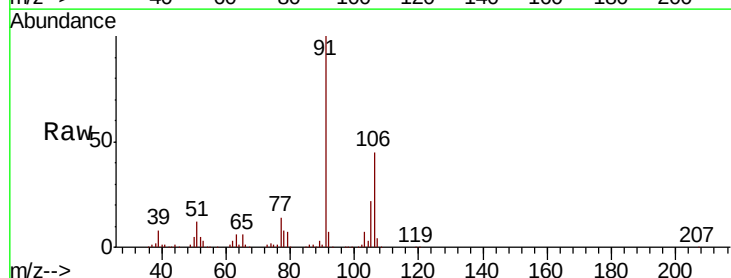
Acq: 09 Apr 2019 11:32

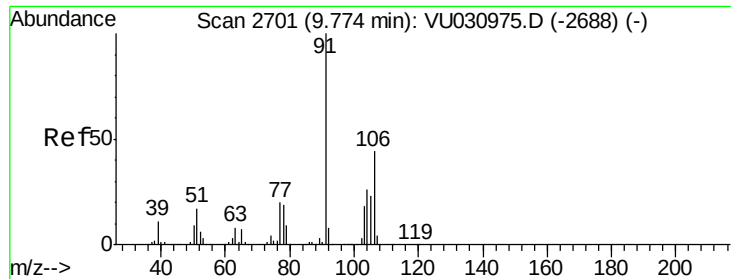
Tgt Ion: 106 Resp: 152057

Ion Ratio Lower Upper

106 100

91 221.6 147.4 273.8

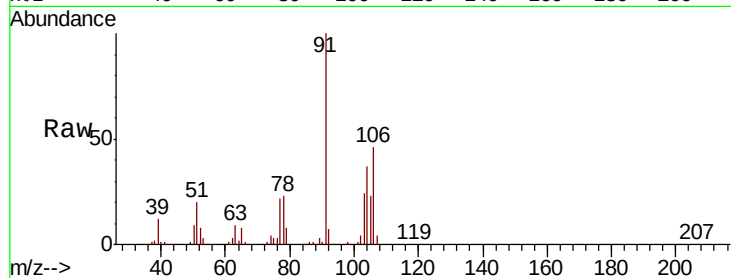




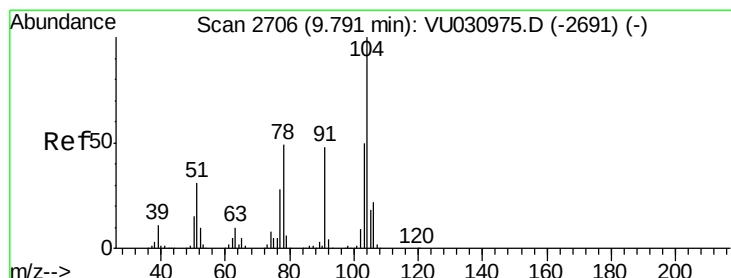
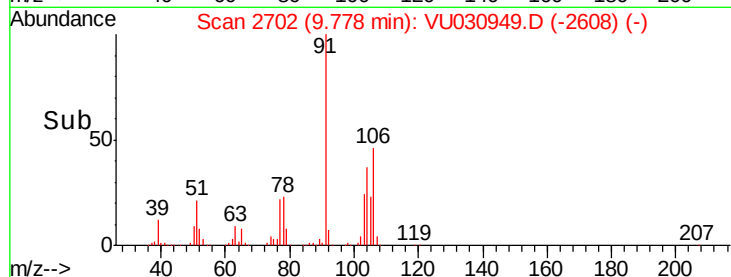
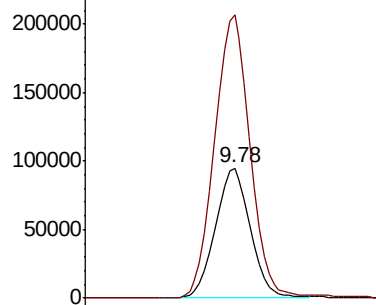
#54
o-Xylene
Concen: 4.787 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 149204
Ion Ratio Lower Upper
106 100
91 218.1 161.3 299.7

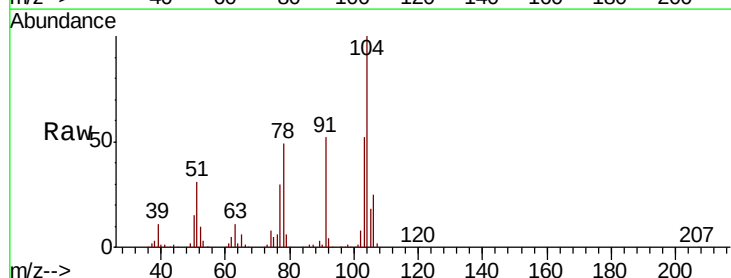


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

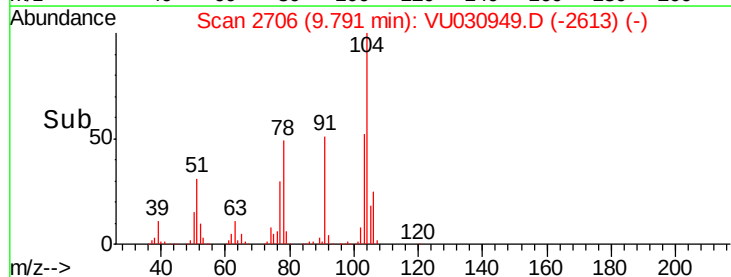
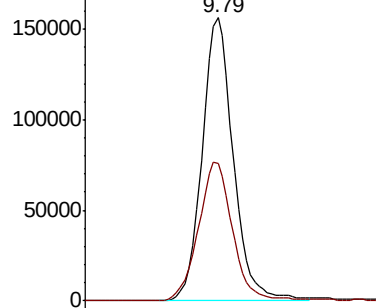


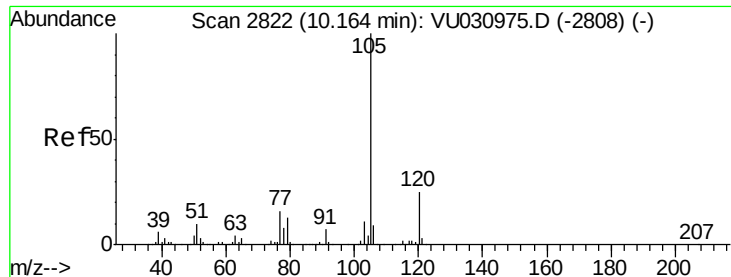
#55
Styrene
Concen: 4.981 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030949.D
Acq: 09 Apr 2019 11:32

Tgt Ion:104 Resp: 261930
Ion Ratio Lower Upper
104 100
78 48.6 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.836 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

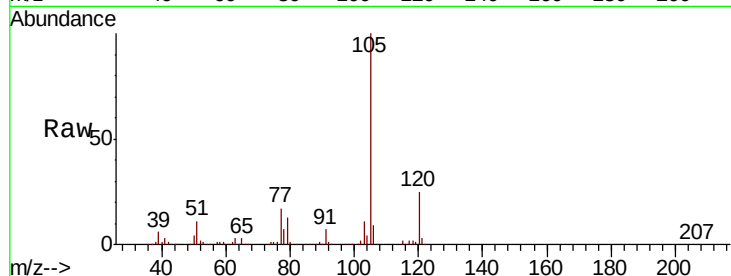
Tot Ion:105 Resp: 402672

Ion Ratio Lower Upper

105 100

120 24.7 20.5 30.7

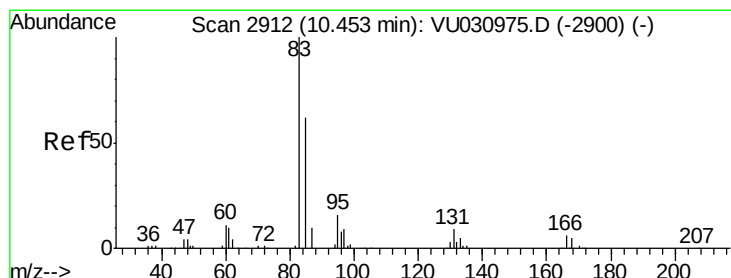
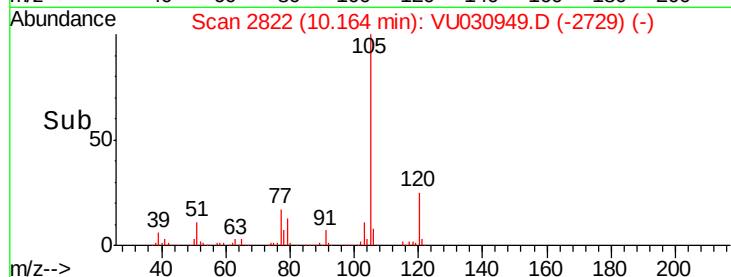
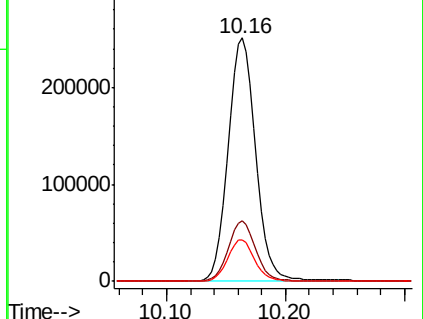
77 16.9 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.437 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

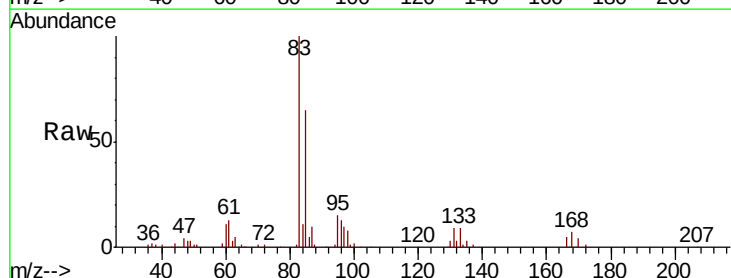
Tgt Ion: 83 Resp: 100905

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

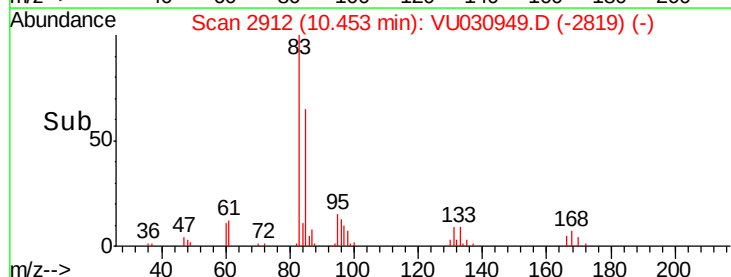
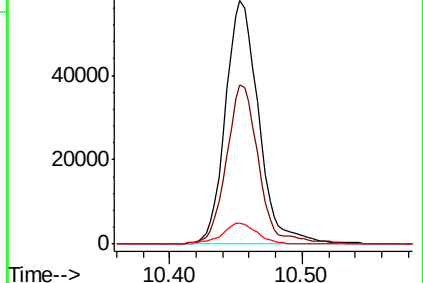
131 8.6 7.4 11.2

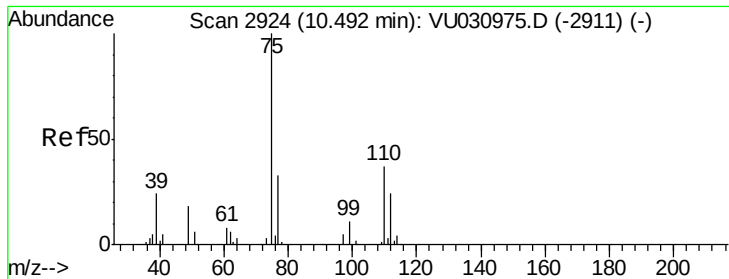


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

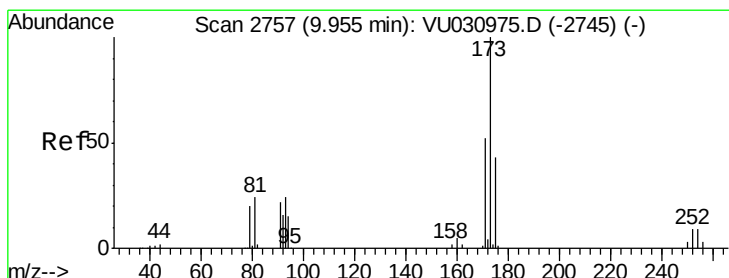
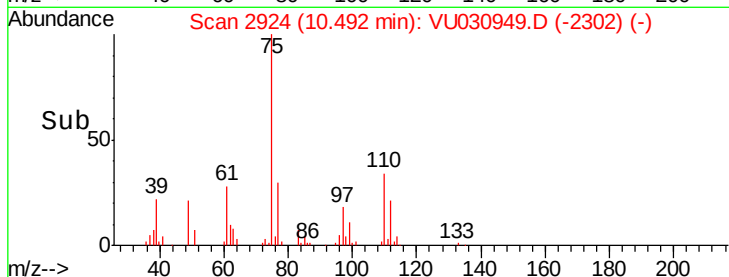
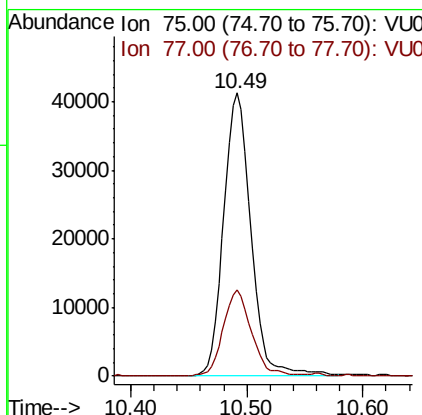
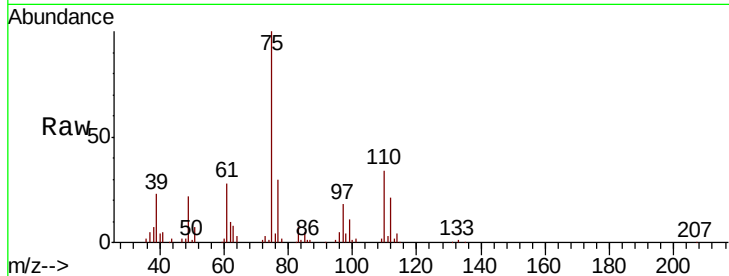




#59
 1,2,3-Trichloropropane
 Concen: 5.151 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

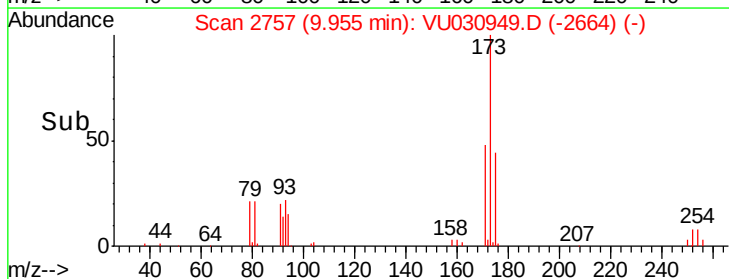
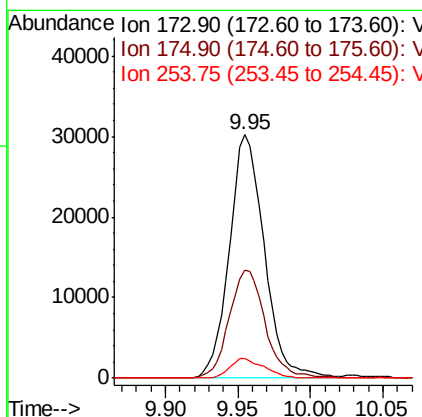
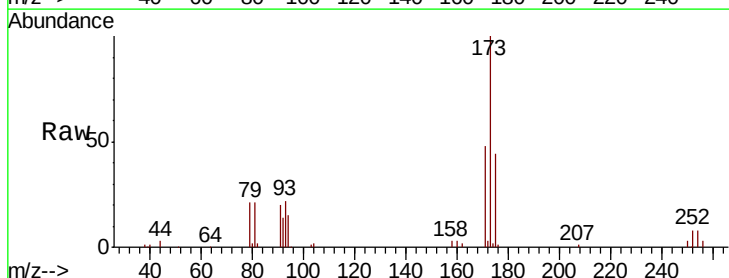
Instrument :
 MSVOA_U
 ClientSampleId :

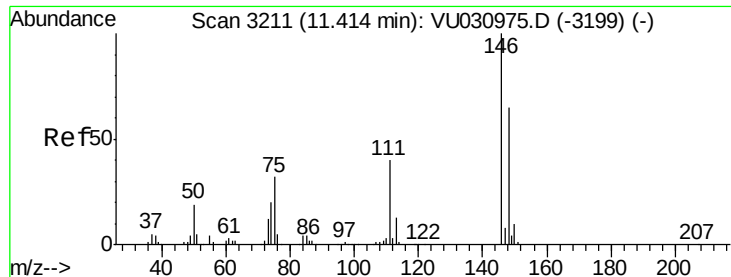
Tot Ion: 75 Resp: 67378
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#61
 Bromoform
 Concen: 5.972 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion: 173 Resp: 50658
 Ion Ratio Lower Upper
 173 100
 175 45.7 38.6 58.0
 254 7.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 4.905 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

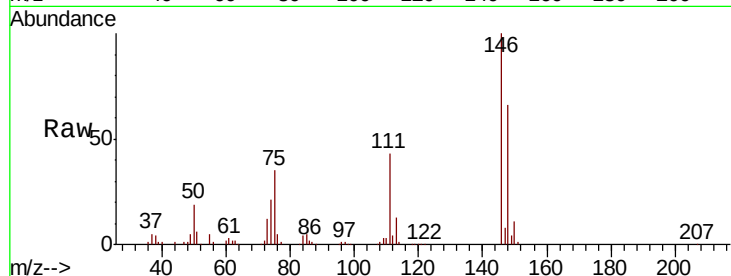
Tot Ion:146 Resp: 173366

Ion Ratio Lower Upper

146 100

111 42.9 28.9 53.7

148 65.8 44.4 82.4

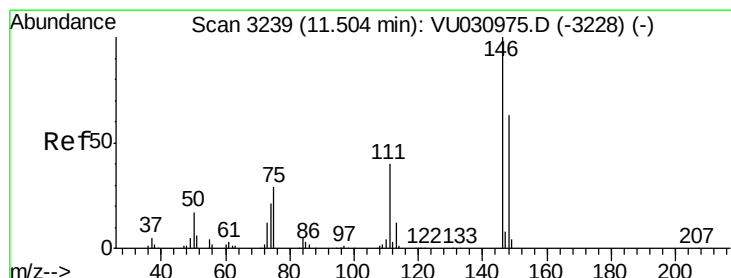
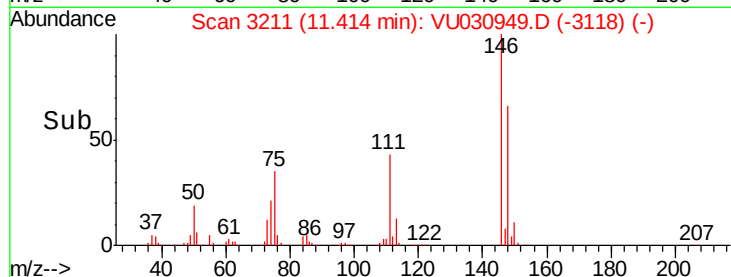
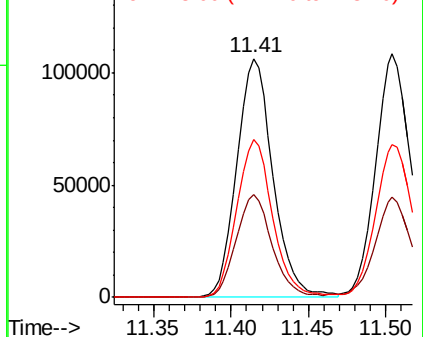


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.748 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

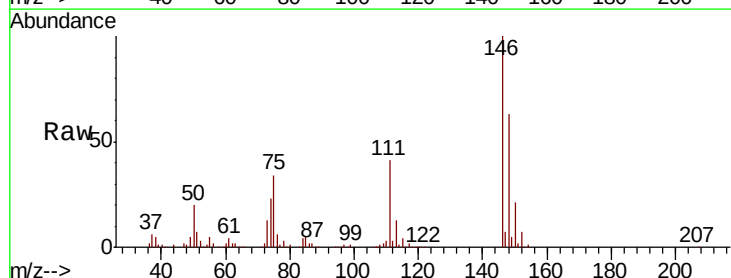
Tgt Ion:146 Resp: 175912

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.9

148 62.8 45.4 84.4

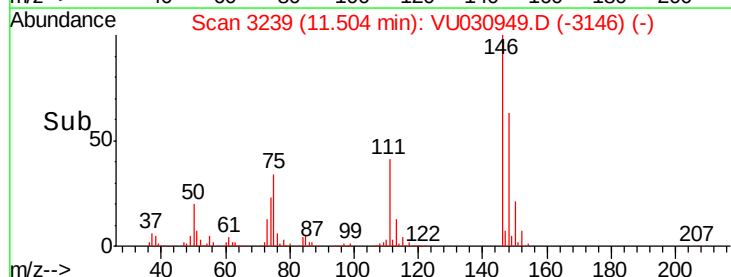
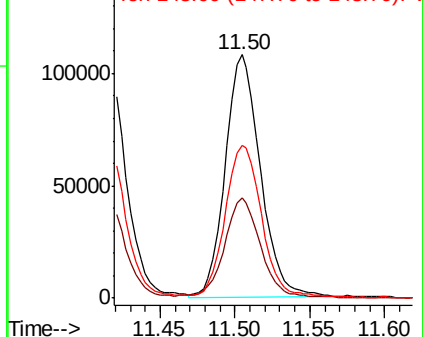


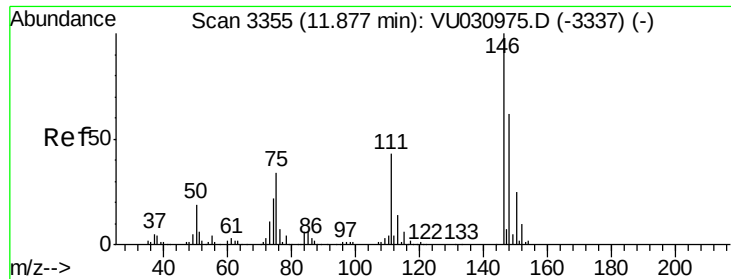
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.046 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

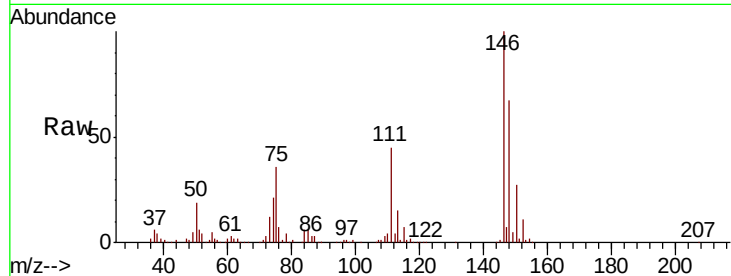
Tot Ion:146 Resp: 173540

Ion Ratio Lower Upper

146 100

111 44.5 37.1 55.7

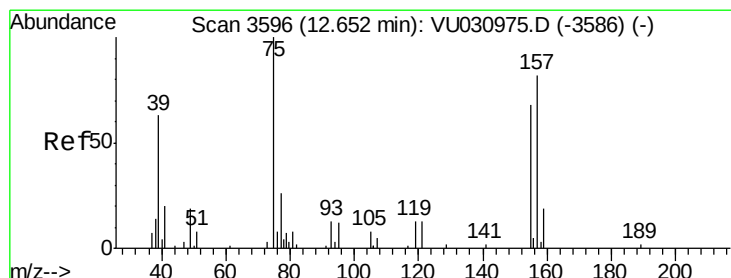
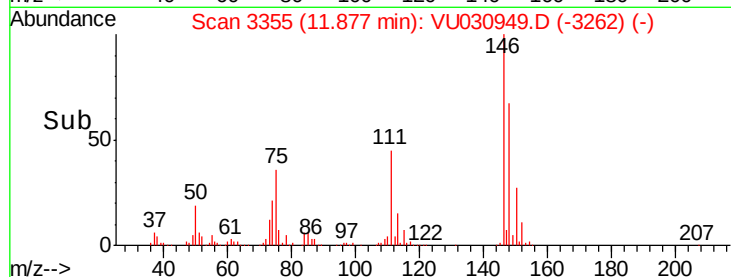
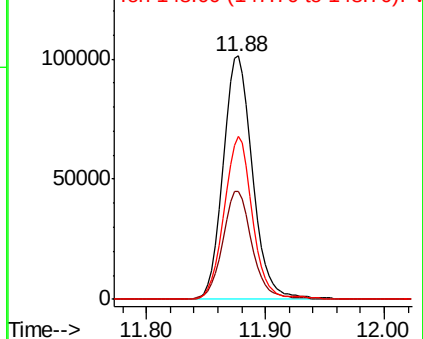
148 67.2 51.8 77.8



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.232 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

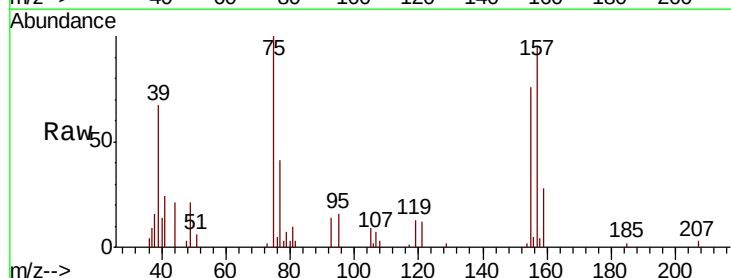
Tgt Ion: 75 Resp: 13922

Ion Ratio Lower Upper

75 100

155 76.1 57.7 86.5

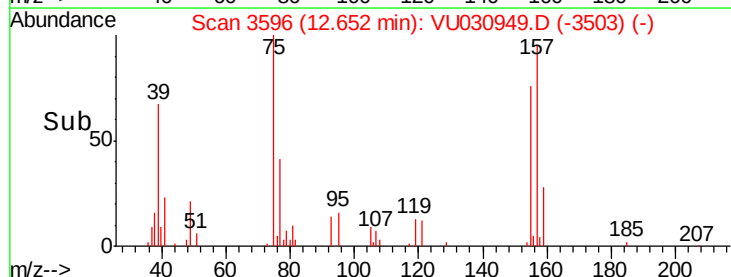
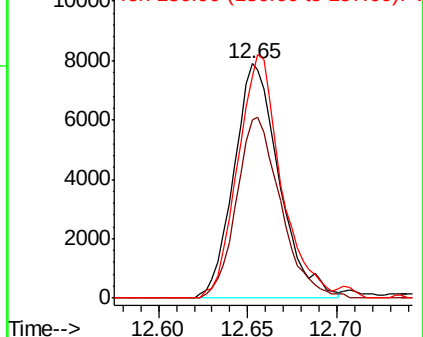
157 94.8 76.9 115.3

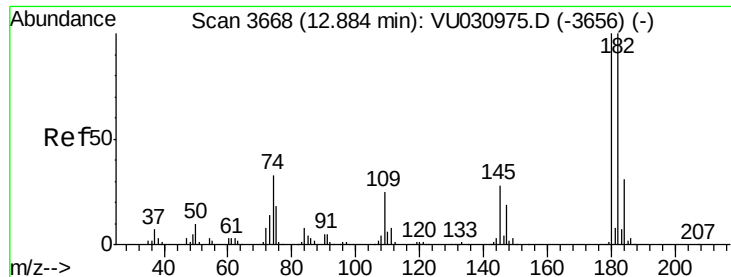


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

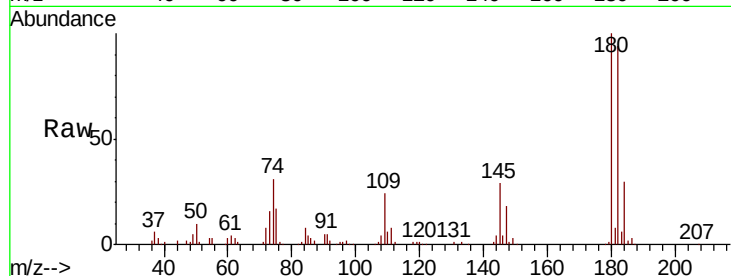




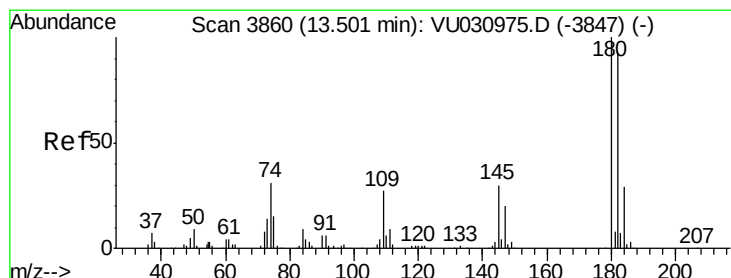
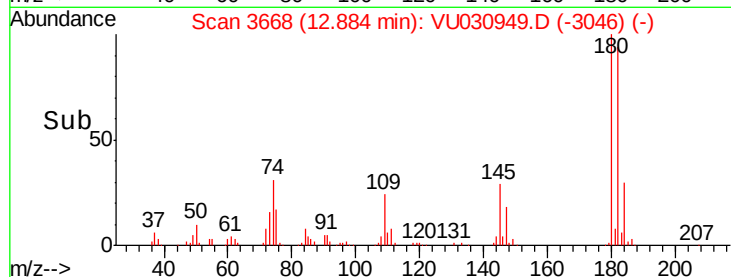
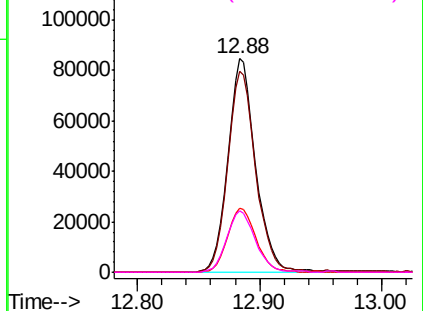
#67
 1,3,5-Trichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	134638
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	31.1	24.2	36.2
145	29.7	24.1	36.1

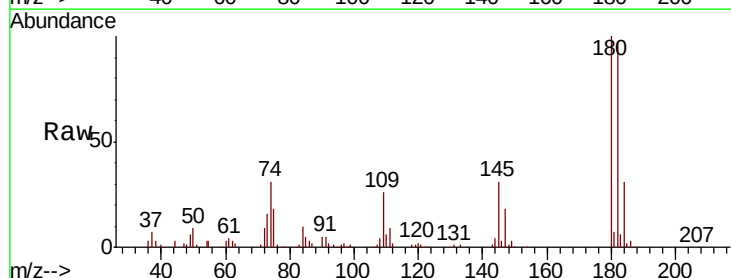


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

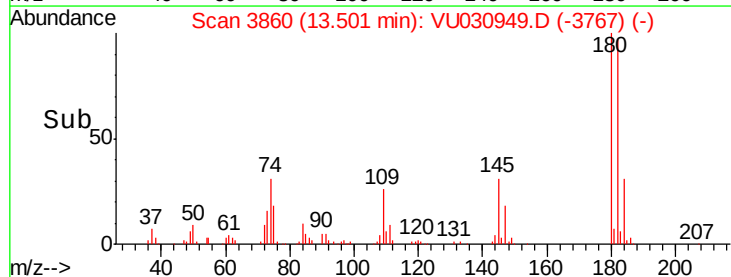
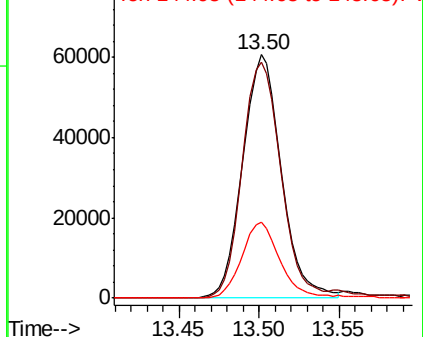


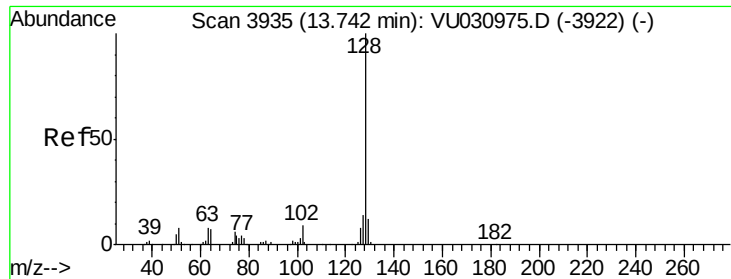
#68
 1,2,4-trichlorobenzene
 Concen: 4.913 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030949.D
 Acq: 09 Apr 2019 11:32

Tgt Ion:	180	Resp:	100062
Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.6	111.8
145	30.7	23.6	35.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.715 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

Instrument :

MSVOA_U

ClientSampleId :

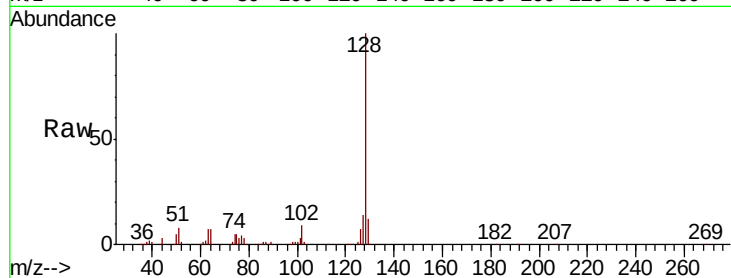
Tot Ion:128 Resp: 154226

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

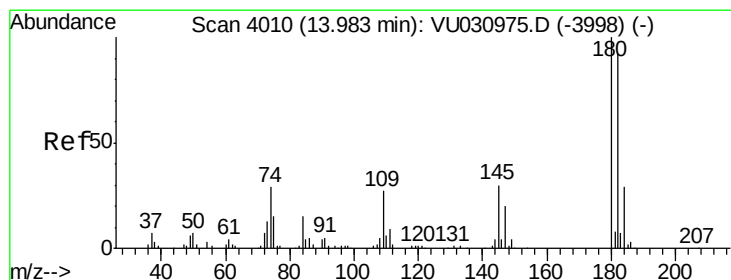
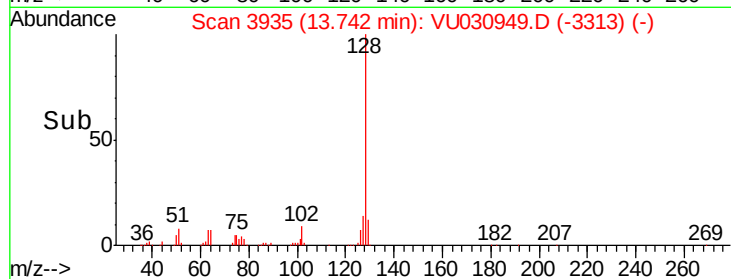
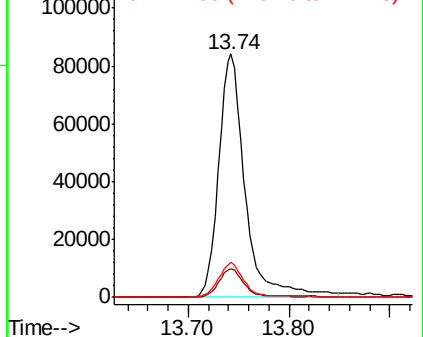
127 13.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.347 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030949.D

Acq: 09 Apr 2019 11:32

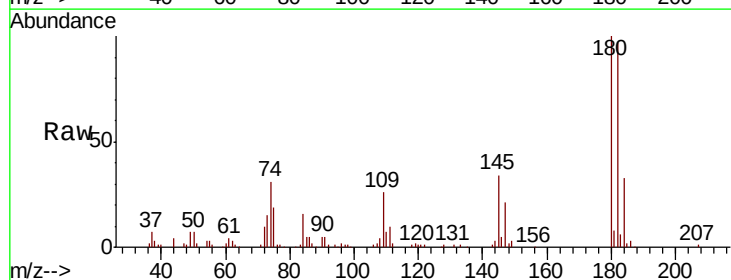
Tgt Ion:180 Resp: 101485

Ion Ratio Lower Upper

180 100

182 94.1 76.8 115.2

145 32.8 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

