

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030571.D
 Acq On : 30 Mar 2019 12:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	58197	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	22785	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	21014	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	365049	16.507	ug/l 99
3) Chloromethane	1.33	50	428686	16.897	ug/l 99
4) Vinyl Chloride	1.40	62	408971	18.570	ug/l 99
5) Bromomethane	1.62	94	166424	13.854	ug/l 99
6) Chloroethane	1.69	64	224945	17.830	ug/l 99
7) Trichlorofluoromethane	1.88	101	458053	16.497	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	226421	15.223	ug/l 100
9) 1,1-Dichloroethene	2.28	96	229643	15.565	ug/l 98
10) Iodomethane	2.41	142	225575	17.786	ug/l 98
11) Allyl Chloride	2.59	41	498847	21.811	ug/l 100
12) Acrylonitrile	2.93	53	123441	36.771	ug/l 98
13) Acetone	2.32	43	276418	93.105	ug/l 98
14) Carbon Disulfide	2.47	76	835936	16.105	ug/l 100
15) Methylene Chloride	2.69	84	269597	15.231	ug/l 98
16) trans-1,2-Dichloroethene	2.97	96	256982	15.151	ug/l 99
17) 1,1-Dichloroethane	3.44	63	533939	17.953	ug/l 100
18) 2-Butanone	4.27	43	432883	105.119	ug/l 99
19) Cyclohexane	4.98	56	422415	16.509	ug/l 88
20) Methylcyclohexane	6.41	83	434427	16.078	ug/l 98
21) 2,2-Dichloropropane	4.22	77	405265	16.420	ug/l 100
22) cis-1,2-Dichloroethene	4.22	96	286481	15.237	ug/l 97
23) Diethyl Ether	2.10	59	221559	19.195	ug/l 99
24) tert-Butyl Alcohol	2.84	59	225958	183.416	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	661050	17.232	ug/l 98
26) Bromochloromethane	4.54	128	107398	13.281	ug/l 98
27) Chloroform	4.67	83	497704	16.128	ug/l 99
28) 1,1,1-Trichloroethane	4.91	97	409785	16.269	ug/l 99
29) 1,1-Dichloropropene	5.13	75	379398	16.572	ug/l 99
30) Carbon Tetrachloride	5.13	117	349681	15.660	ug/l 99
31) Isopropyl Ether	3.58	45	914999	21.037	ug/l 98
32) Ethyl-t-butyl ether	4.07	59	743217	18.456	ug/l 99
33) Tert-Amyl methyl ether	5.58	73	625974	17.301	ug/l 99
34) Propionitrile	4.33	54	119036	104.257	ug/l # 94
35) Benzene	5.38	78	1101635	16.392	ug/l 99
36) 1,2-Dichloroethane	5.40	62	326241	17.663	ug/l 99
37) Trichloroethene	6.18	130	261344	13.946	ug/l 98
38) 1,2-Dichloropropane	6.43	63	302315	17.404	ug/l 98
39) Methacrylonitrile	4.55	41	106414	20.957	ug/l 95
40) Methyl acrylate	4.42	55	160397	20.757	ug/l 98
41) Tetrahydrofuran	4.65	42	110916	40.201	ug/l 99
42) 1-Chlorobutane	5.06	56	587919	18.983	ug/l 99

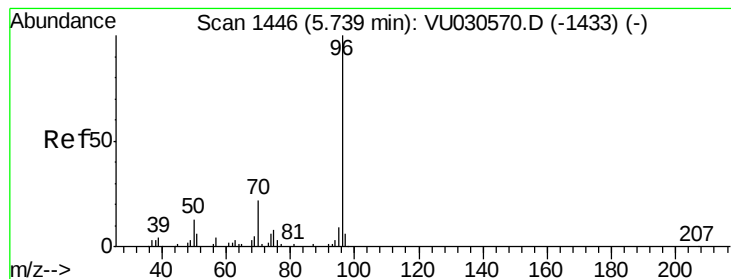
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030571.D
 Acq On : 30 Mar 2019 12:09
 Operator : JC/SP
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Instrument :
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 ClientSampleId :

Quant Time: Mar 31 00:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	139246	15.811	ug/l	99
44) Bromodichloromethane	6.75	83	364195	17.125	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	1006937	108.509	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	150355	44.201	ug/l	94
47) Methyl methacrylate	6.62	69	272911	36.589	ug/l	99
48) Ethyl methacrylate	8.02	69	272059	19.435	ug/l	99
49) Toluene	7.63	92	645533	16.169	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	335705	17.718	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	408574	17.294	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	188869	15.337	ug/l	97
53) 1,3-Dichloropropane	8.24	76	346044	16.519	ug/l	100
54) 2-Hexanone	8.36	43	695649	105.118	ug/l	100
55) Dibromochloromethane	8.47	129	221484	15.108	ug/l	100
56) 1,2-Dibromoethane	8.58	107	176012	14.997	ug/l	99
58) Tetrachloroethene	8.22	164	242775	14.290	ug/l	99
59) Chlorobenzene	9.12	112	678959	15.009	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	238385	15.020	ug/l	98
61) Pentachloroethane	11.10	117	182617	14.780	ug/l	98
62) Hexachloroethane	12.14	117	165474	13.690	ug/l	98
63) Ethyl Benzene	9.25	91	1269689	16.843	ug/l	100
64) m/p-Xylenes	9.37	106	932494	32.013	ug/l	94
65) o-Xylene	9.77	106	443283	15.530	ug/l	99
66) Styrene	9.79	104	777317	16.481	ug/l	99
67) Bromoform	9.95	173	124541	14.991	ug/l	99
69) Isopropylbenzene	10.16	105	1212097	16.133	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	255953	16.589	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	150355	13.434	ug/l #	98
72) Bromobenzene	10.45	156	268530	13.928	ug/l	98
73) n-propylbenzene	10.58	120	315955	15.011	ug/l	94
74) 2-Chlorotoluene	10.66	126	279558	15.104	ug/l	96
75) 1,3,5-Trimethylbenzene	10.77	105	1034654	16.228	ug/l	99
76) 4-Chlorotoluene	10.77	126	295039	15.670	ug/l	98
77) tert-Butylbenzene	11.10	119	961231	15.490	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	1049124	16.228	ug/l	99
79) sec-Butylbenzene	11.32	105	1329870	15.972	ug/l	99
80) Nitrobenzene	12.86	77	21550	81.155	ug/l #	96
81) p-Isopropyltoluene	11.47	119	1045729	15.178	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	534866	13.756	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	534923	13.686	ug/l	99
84) n-Butylbenzene	11.89	91	1021239	15.751	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	496709	13.703	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	39723	17.879	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	322595	12.708	ug/l	98
88) Hexachlorobutadiene	13.69	225	182654	13.006	ug/l	100
89) Naphthalene	13.74	128	580618	14.578	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	291716	12.608	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 58197

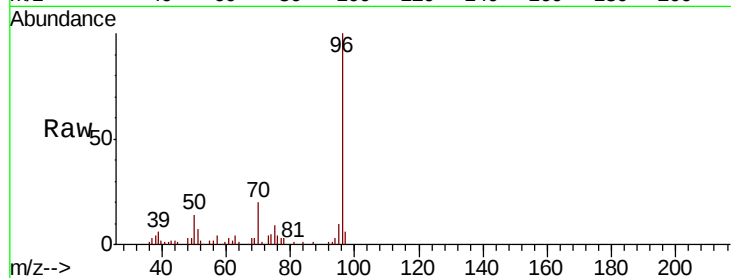
Ion Ratio Lower Upper

96 100

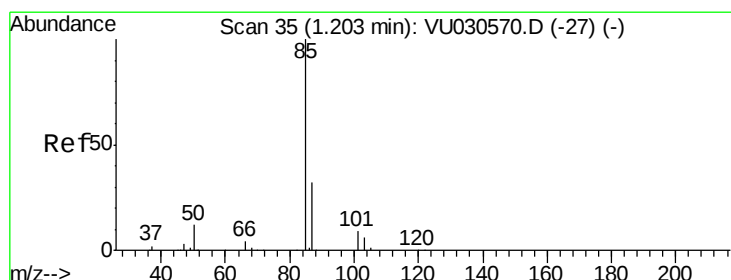
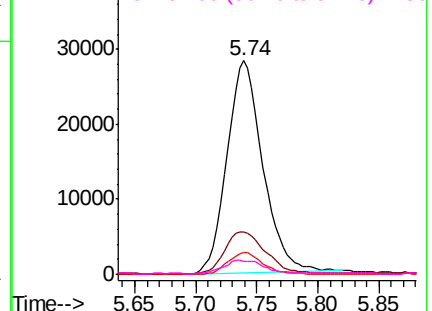
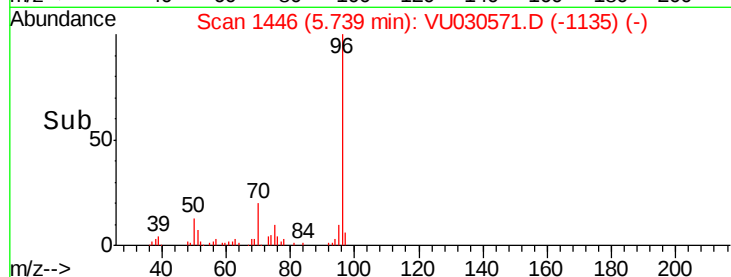
70 22.2 15.6 23.4

95 9.9 7.3 10.9

97 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 16.507 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030571.D

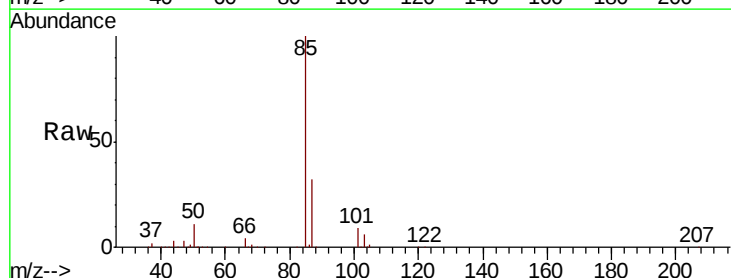
Acq: 30 Mar 2019 12:09

Tgt Ion: 85 Resp: 365049

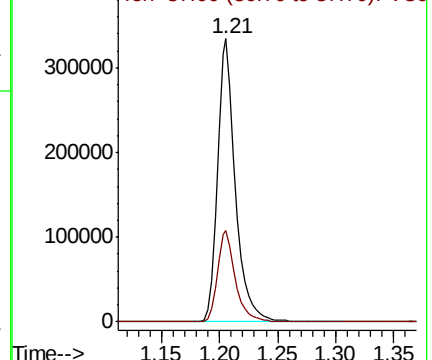
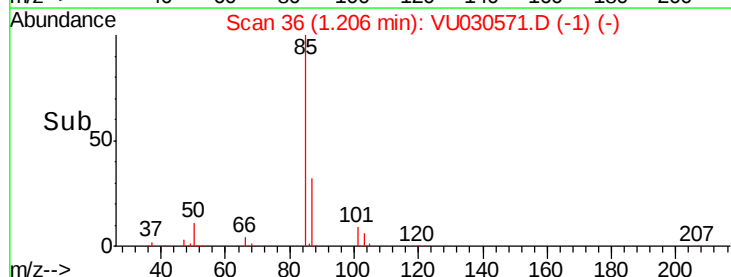
Ion Ratio Lower Upper

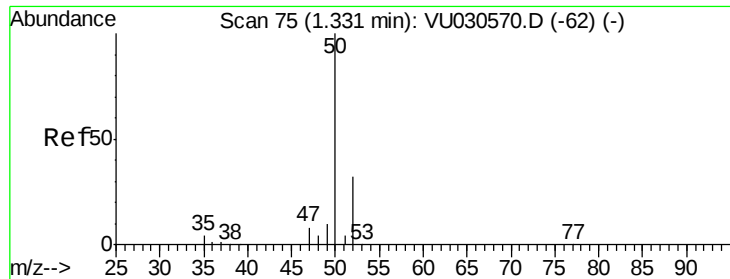
85 100

87 32.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 16.897 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

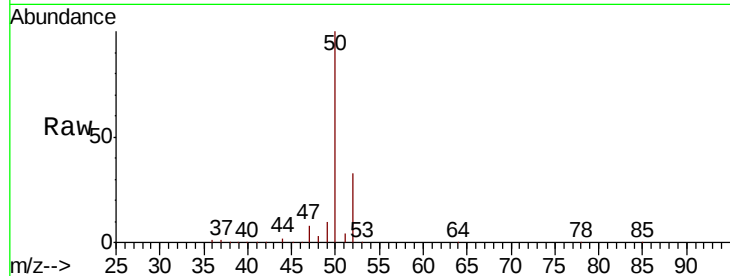
ClientSampleId :

Tot Ion: 50 Resp: 428686

Ion Ratio Lower Upper

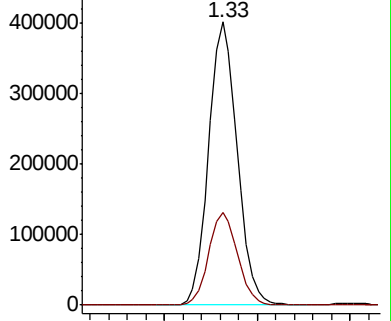
50 100

52 32.9 25.8 38.8

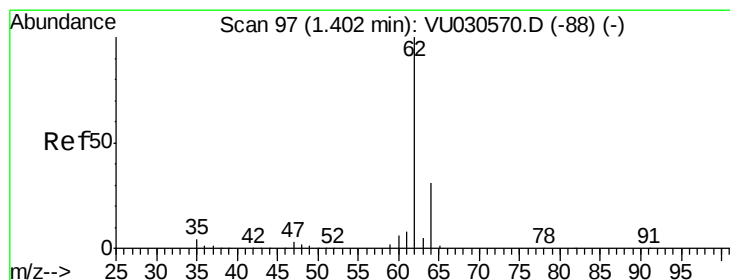
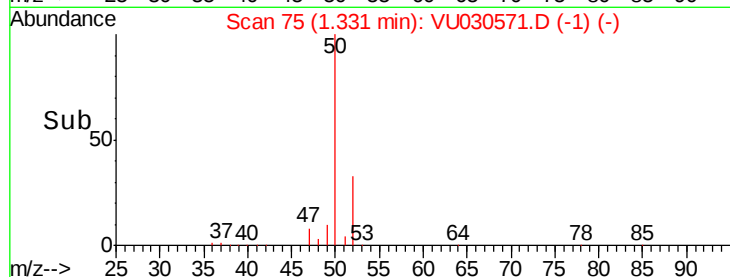


Abundance Ion 50.00 (49.70 to 50.70): VU030571.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU030571.D (-62) (-)



Time-->



#4

Vinyl Chloride

Concen: 18.570 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030571.D

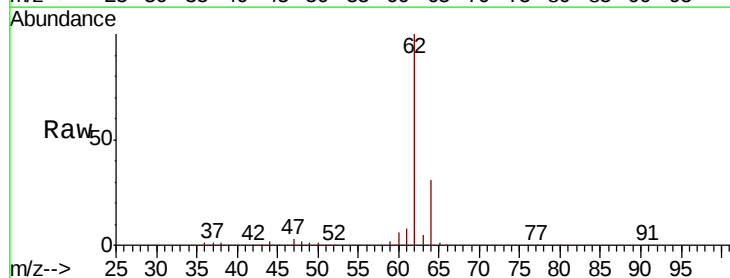
Acq: 30 Mar 2019 12:09

Tgt Ion: 62 Resp: 408971

Ion Ratio Lower Upper

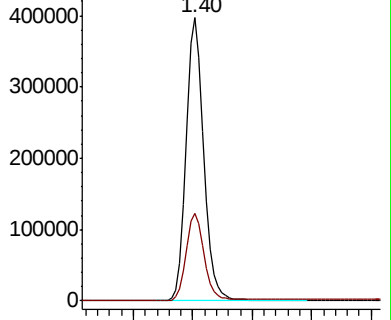
62 100

64 31.0 25.1 37.7

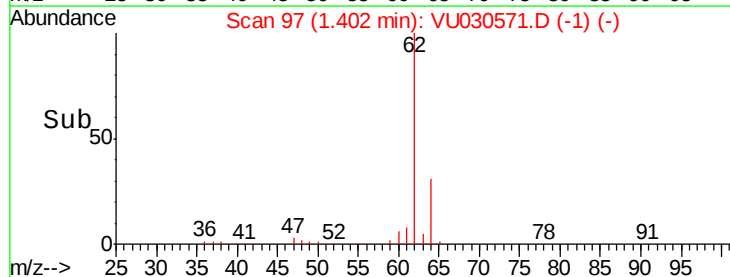


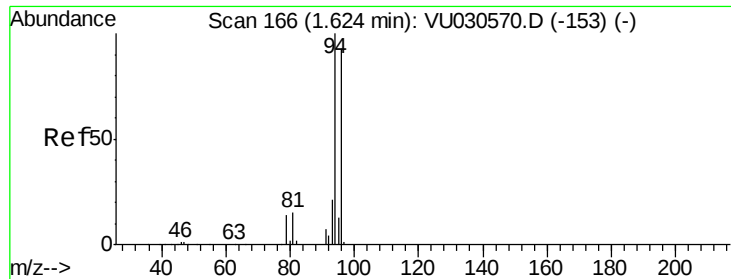
Abundance Ion 62.00 (61.70 to 62.70): VU030571.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030571.D (-88) (-)



Time-->





#5

Bromomethane

Concen: 13.854 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

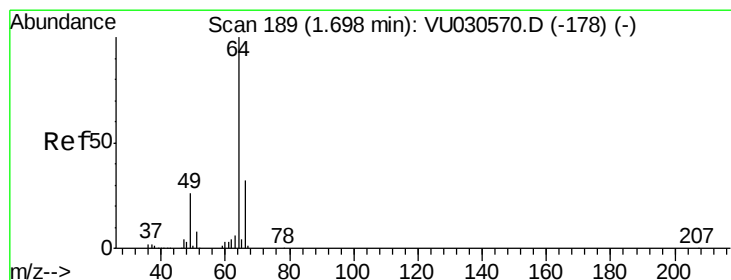
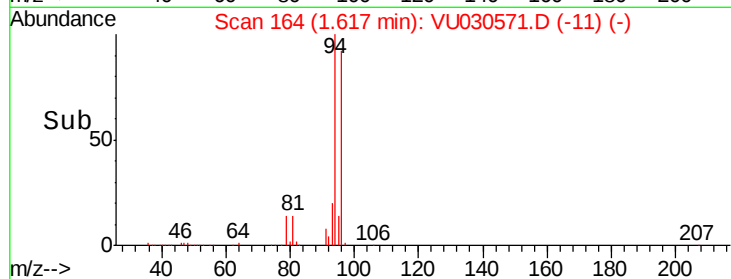
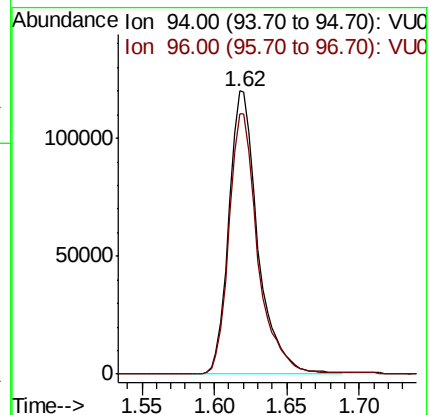
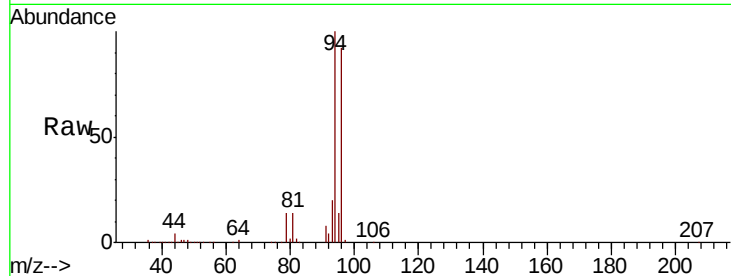
ClientSampleId :

Tot Ion: 94 Resp: 166424

Ion Ratio Lower Upper

94 100

96 92.2 74.8 112.2



#6

Chloroethane

Concen: 17.830 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030571.D

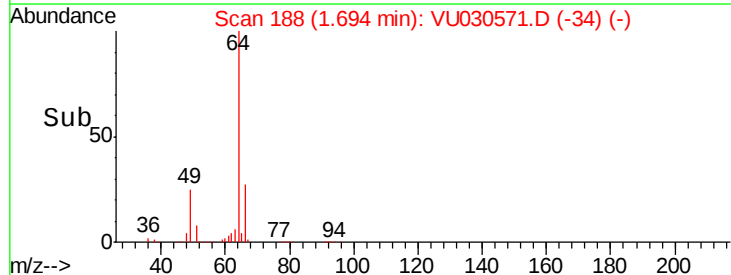
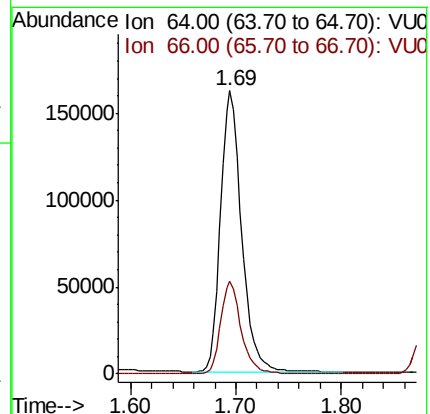
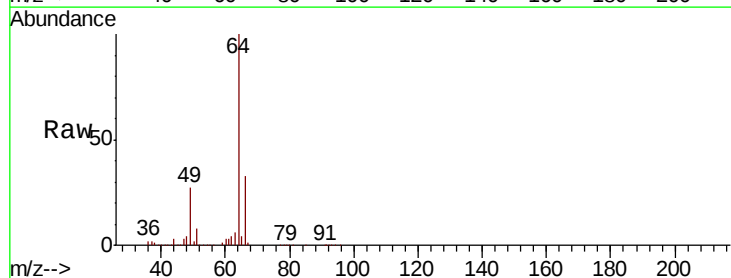
Acq: 30 Mar 2019 12:09

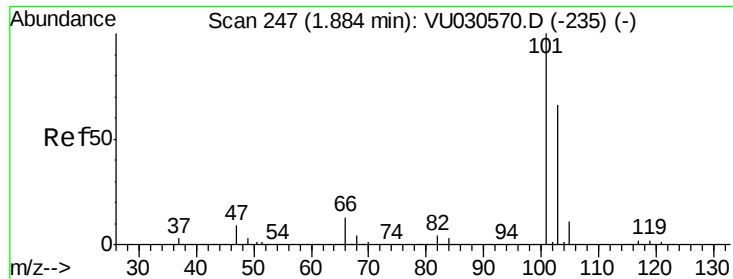
Tgt Ion: 64 Resp: 224945

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



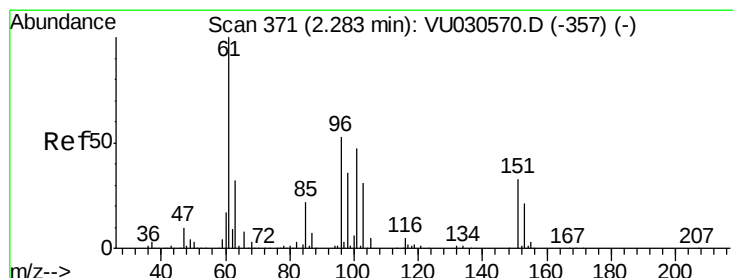
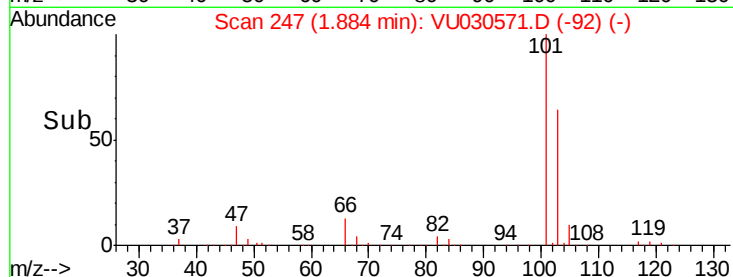
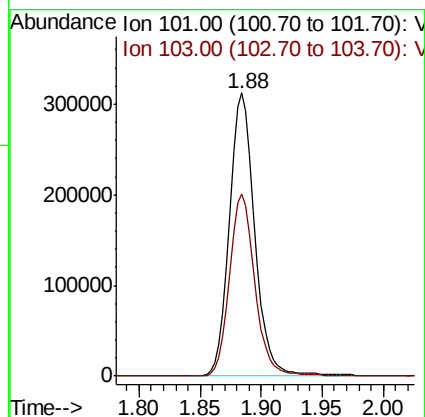
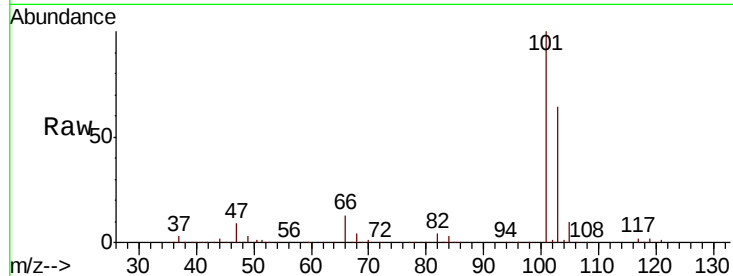


#7

Trichlorofluoromethane
 Concen: 16.497 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :

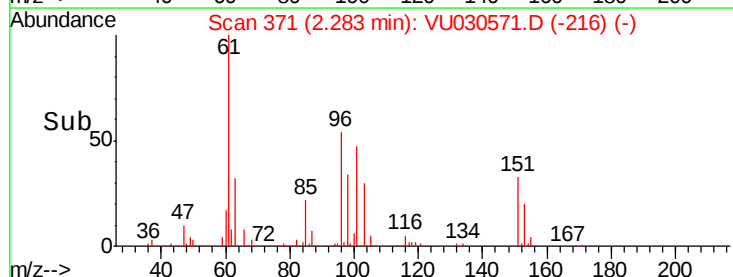
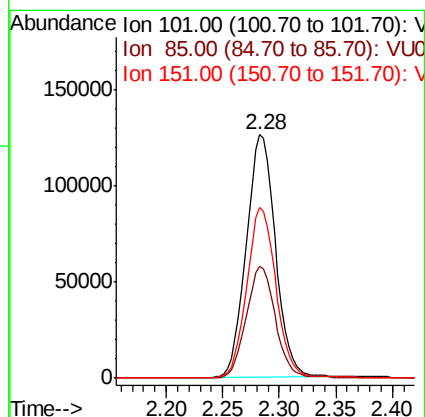
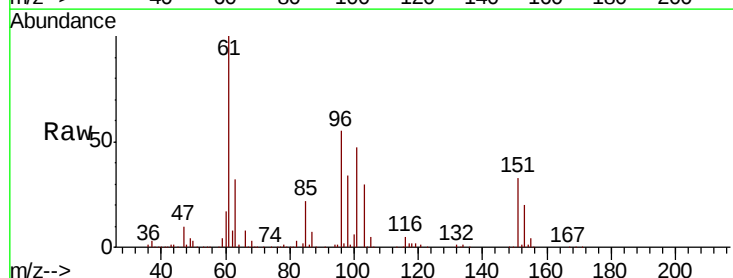
Tot Ion:101 Resp: 458053
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

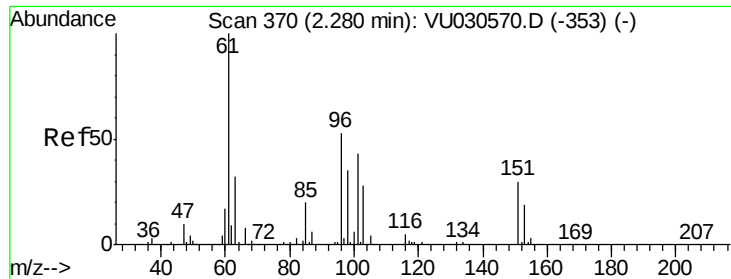


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 15.223 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion:101 Resp: 226421
 Ion Ratio Lower Upper
 101 100
 85 45.8 36.5 54.7
 151 70.7 56.5 84.7





#9

1,1-Dichloroethene

Concen: 15.565 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampled :

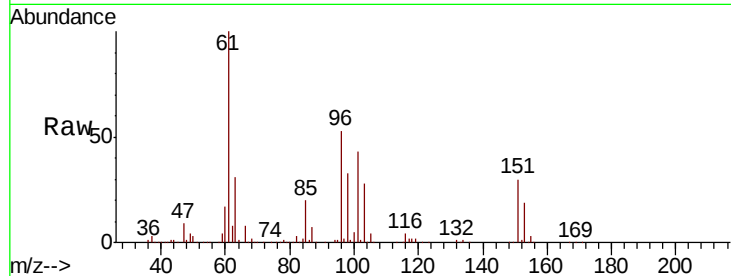
Tot Ion: 96 Resp: 229643

Ion Ratio Lower Upper

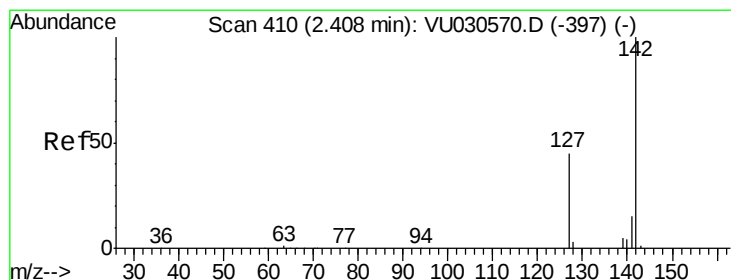
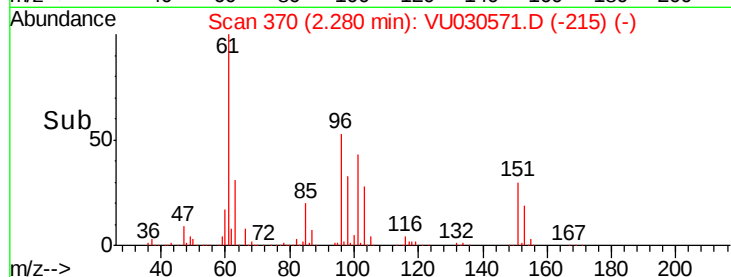
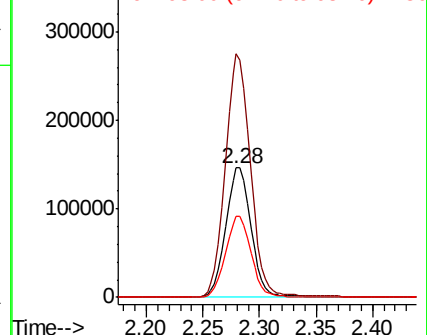
96 100

61 188.2 0.0 567.0

98 62.3 0.0 132.2



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



#10

Iodomethane

Concen: 17.786 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU030571.D

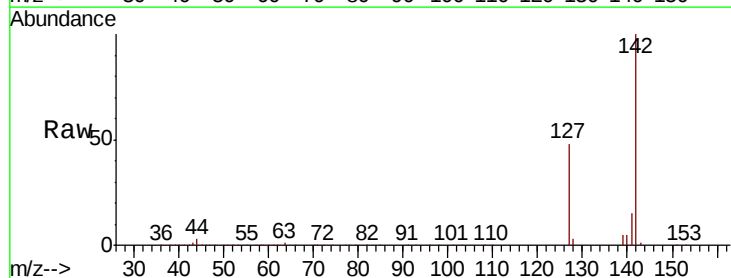
Acq: 30 Mar 2019 12:09

Tgt Ion: 142 Resp: 225575

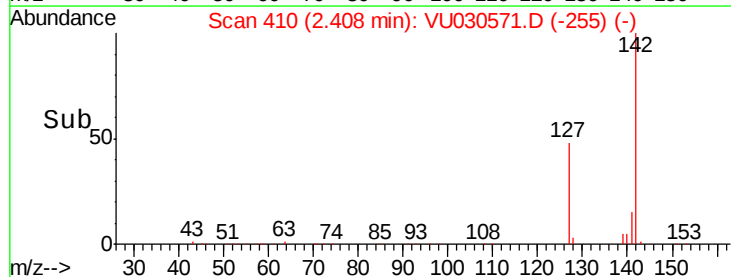
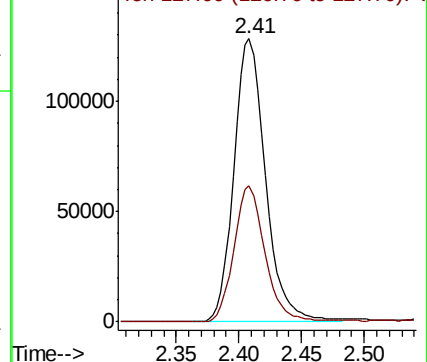
Ion Ratio Lower Upper

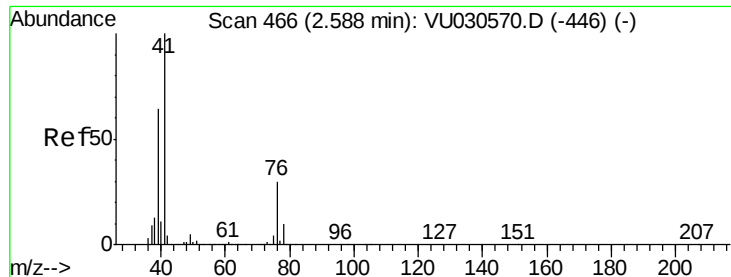
142 100

127 47.0 36.8 55.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

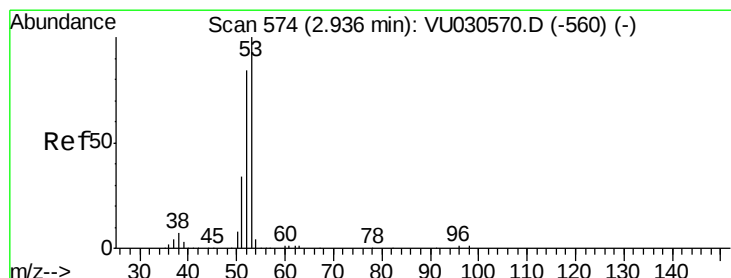
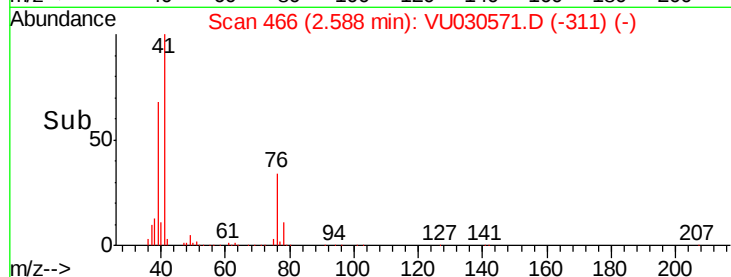
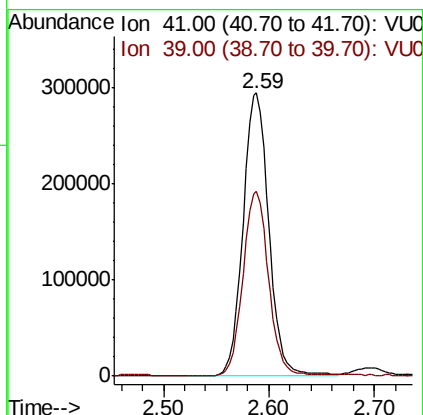
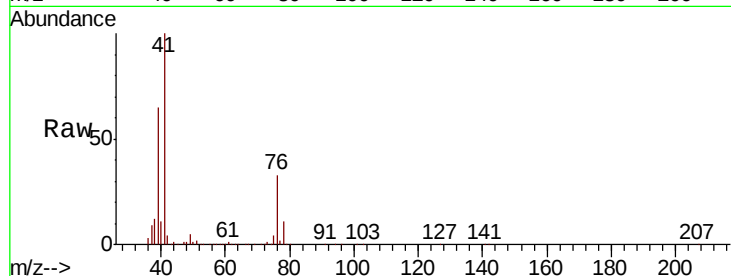




#11
Allvl Chloride
Concen: 21.811 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

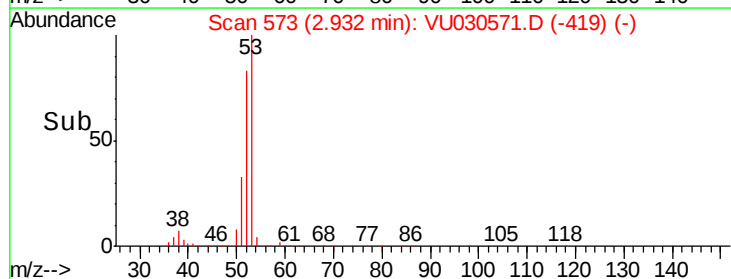
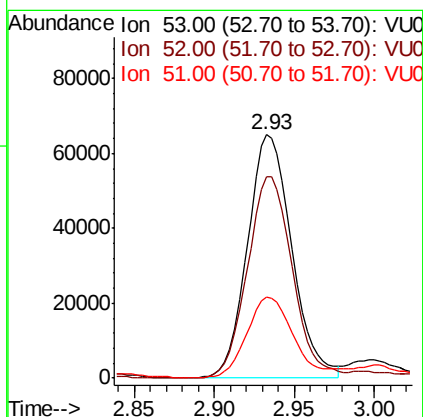
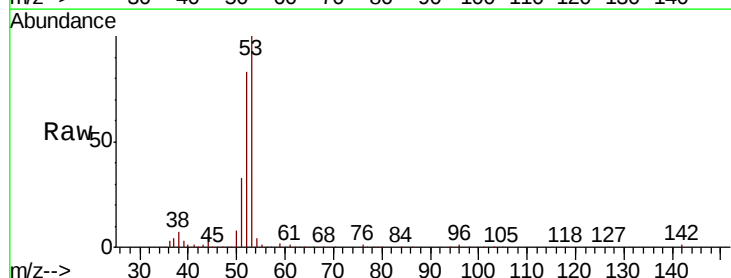
Instrument :
MSVOA_U
ClientSampleId :

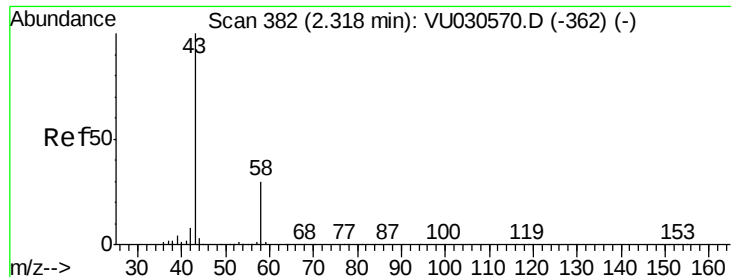
Tot Ion: 41 Resp: 498847
Ion Ratio Lower Upper
41 100
39 64.9 51.8 77.6



#12
Acrylonitrile
Concen: 36.771 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 53 Resp: 123441
Ion Ratio Lower Upper
53 100
52 84.6 69.1 103.7
51 34.5 27.9 41.9





#13

Acetone

Concen: 93.105 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

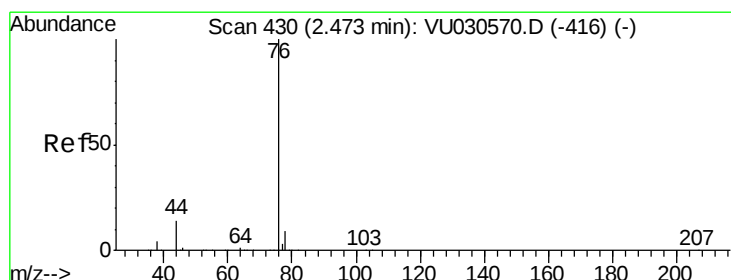
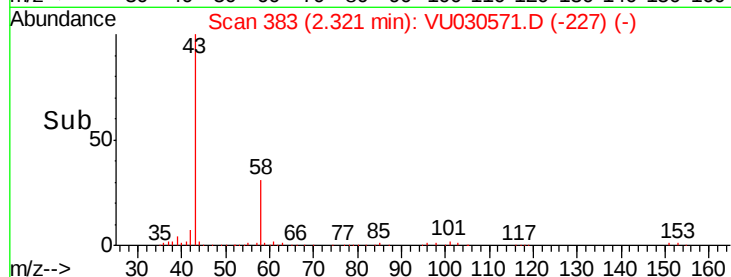
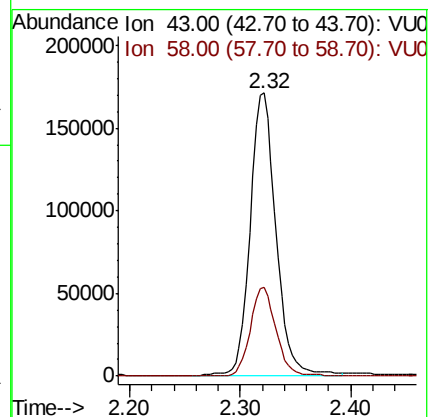
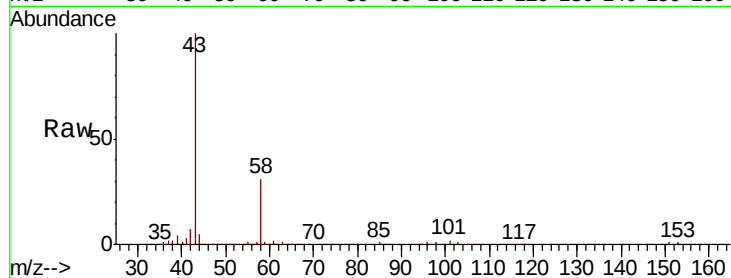
ClientSampleId :

Tot Ion: 43 Resp: 276418

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.4



#14

Carbon Disulfide

Concen: 16.105 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030571.D

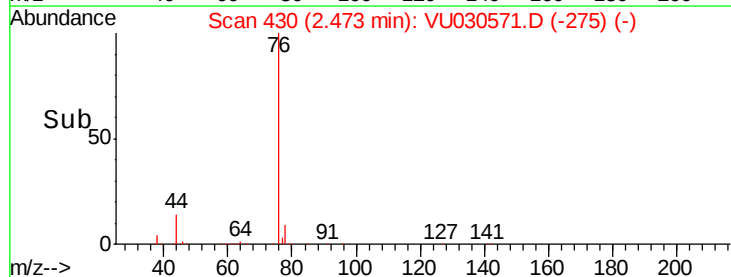
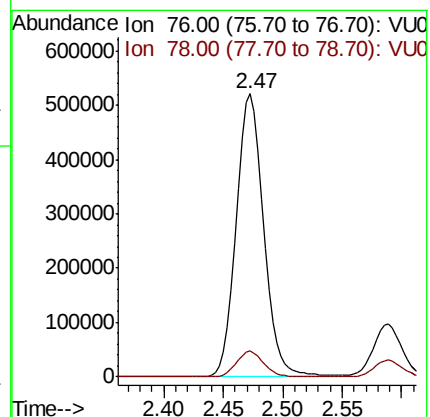
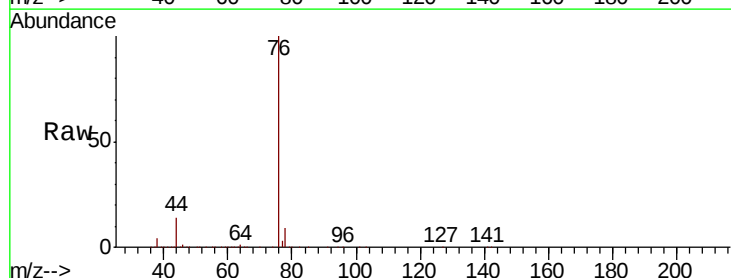
Acq: 30 Mar 2019 12:09

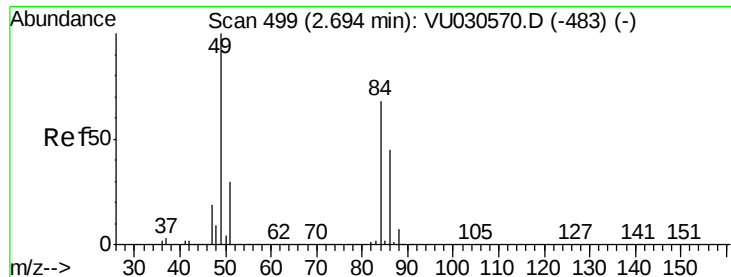
Tgt Ion: 76 Resp: 835936

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

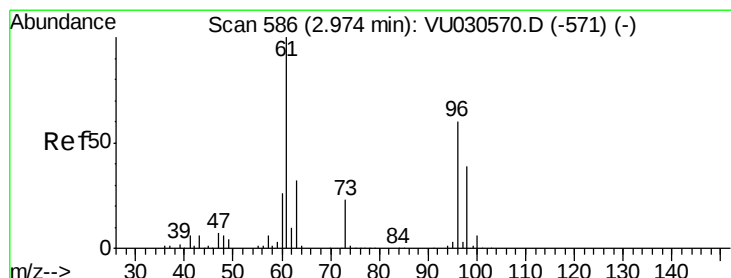
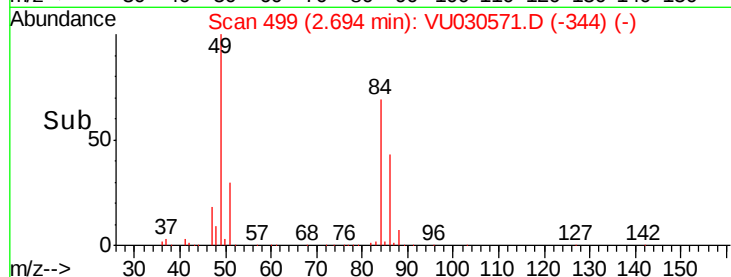
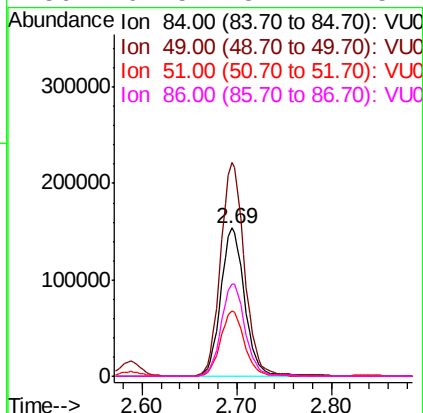
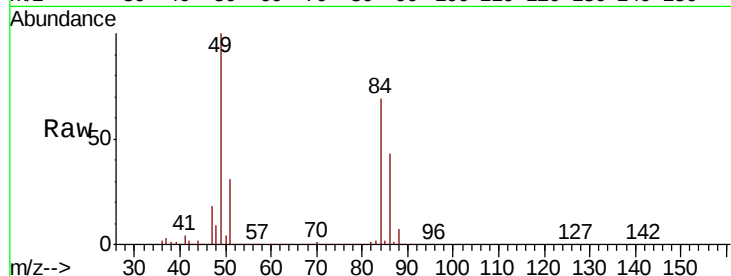




#15
Methvlene Chloride
Concen: 15.231 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

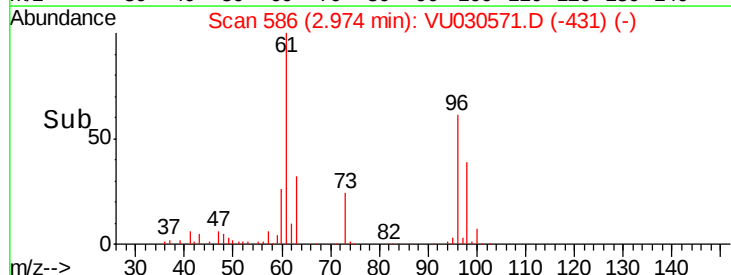
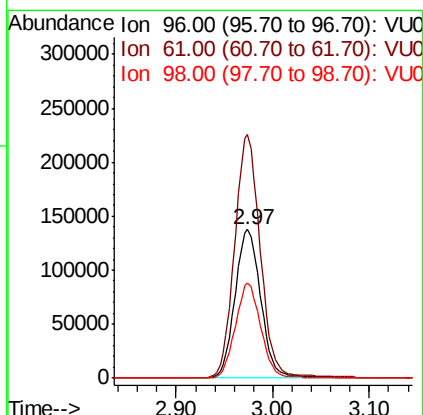
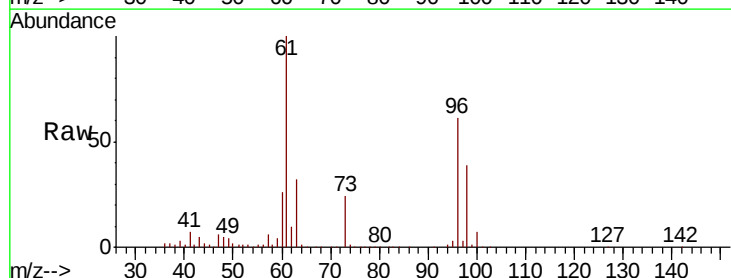
Instrument :
MSVOA_U
ClientSampleId :

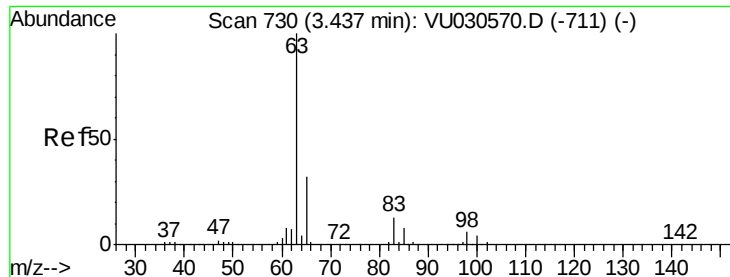
Tot Ion:	84	Resp:	269597
Ion	Ratio	Lower	Upper
84	100		
49	144.3	117.0	175.6
51	44.0	0.0	88.6
86	62.5	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 15.151 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion:	96	Resp:	256982
Ion	Ratio	Lower	Upper
96	100		
61	164.0	132.3	198.5
98	64.4	51.3	76.9





#17

1,1-Dichloroethane

Concen: 17.953 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

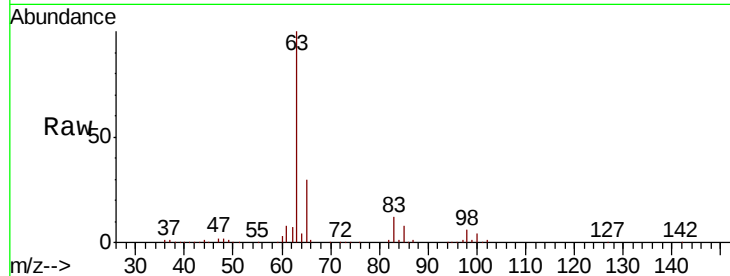
Tot Ion: 63 Resp: 533939

Ion Ratio Lower Upper

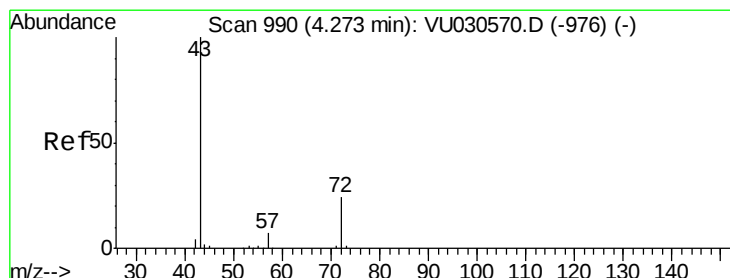
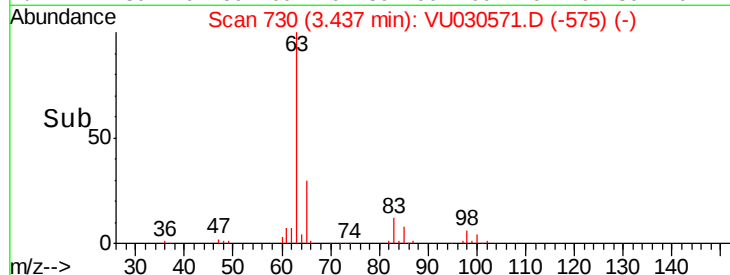
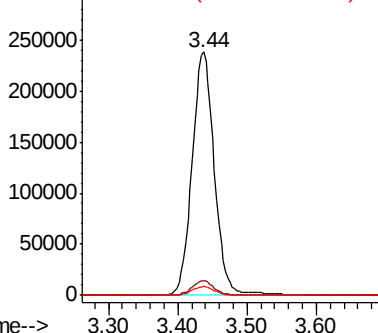
63 100

98 6.1 3.0 9.0

100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#18

2-Butanone

Concen: 105.119 ug/l

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU030571.D

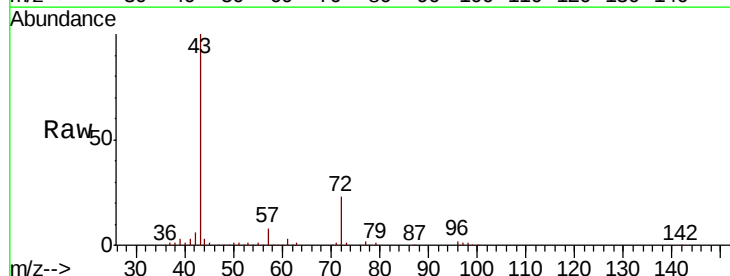
Acq: 30 Mar 2019 12:09

Tgt Ion: 43 Resp: 432883

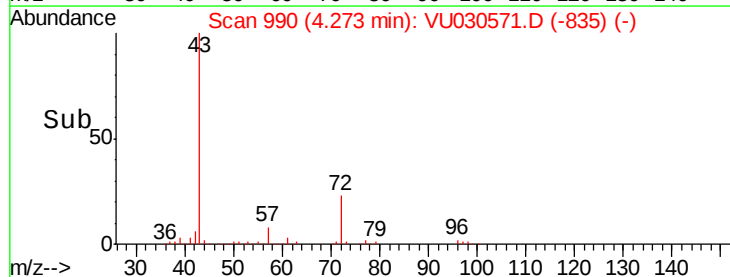
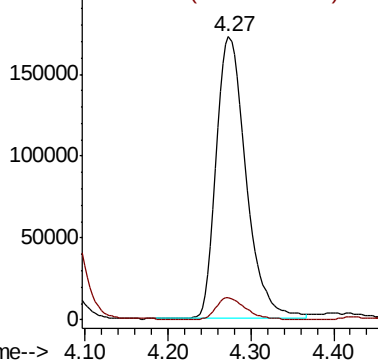
Ion Ratio Lower Upper

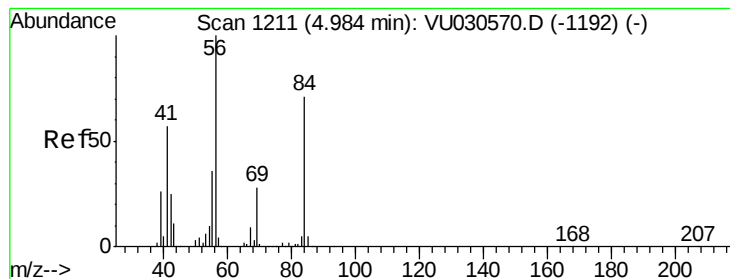
43 100

57 7.5 0.0 14.4



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





#19

Cyclohexane

Concen: 16.509 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

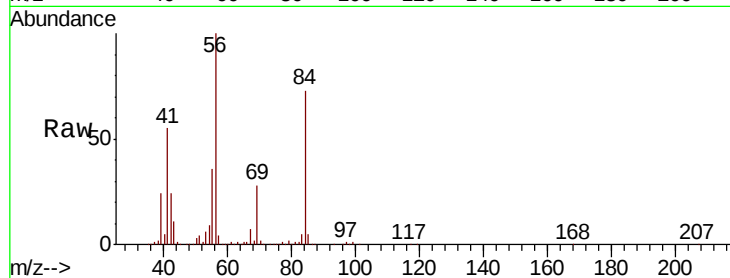
Tot Ion: 56 Resp: 422415

Ion Ratio Lower Upper

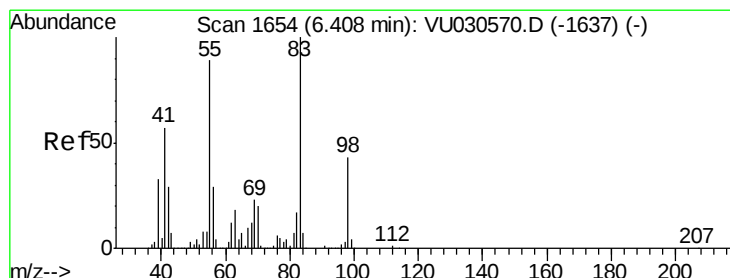
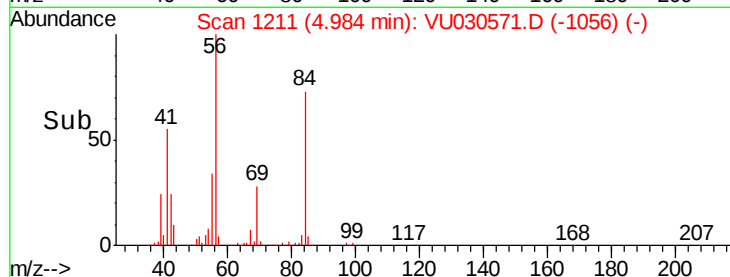
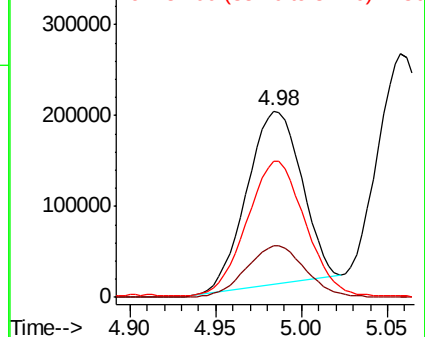
56 100

69 31.9 22.3 33.5

84 83.3 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 16.078 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

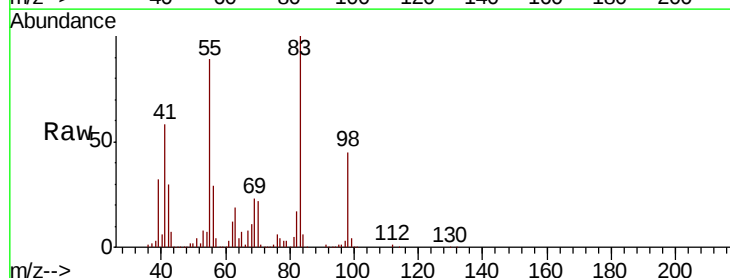
Tgt Ion: 83 Resp: 434427

Ion Ratio Lower Upper

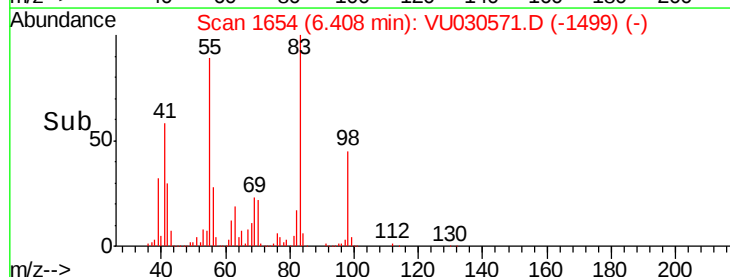
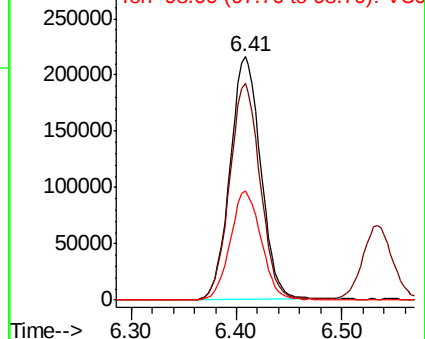
83 100

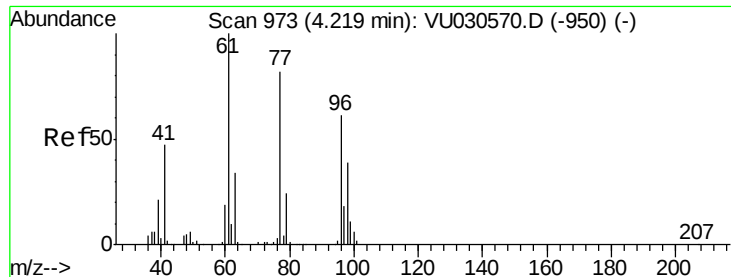
55 88.4 72.0 108.0

98 44.9 35.0 52.4



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





#21

2,2-Dichloropropane

Concen: 16.420 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

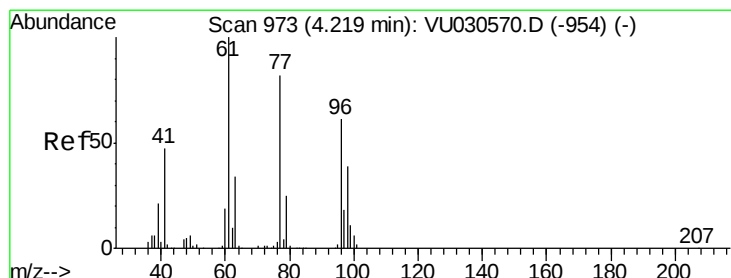
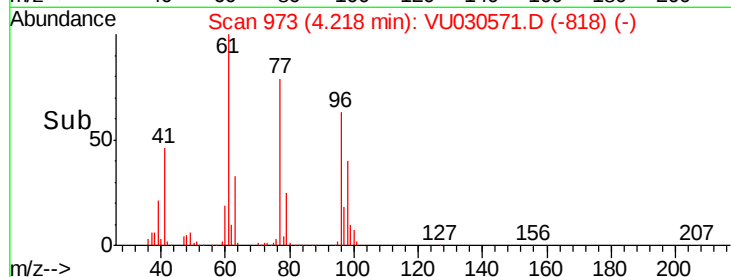
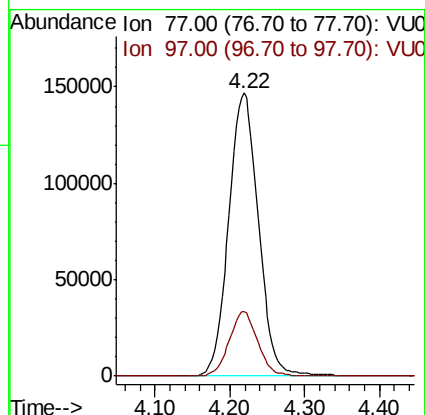
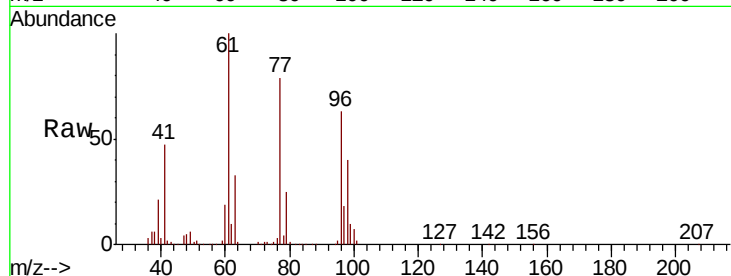
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 77 Resp: 405265

Ion Ratio Lower Upper

77 100

97 21.9 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 15.237 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

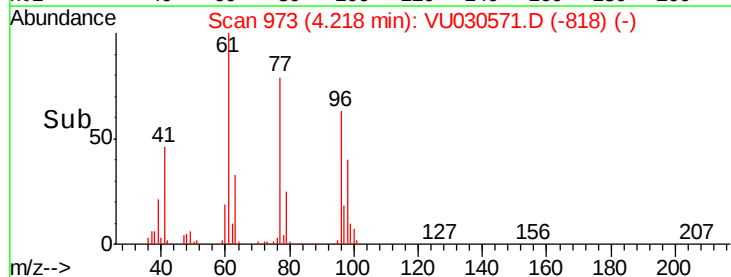
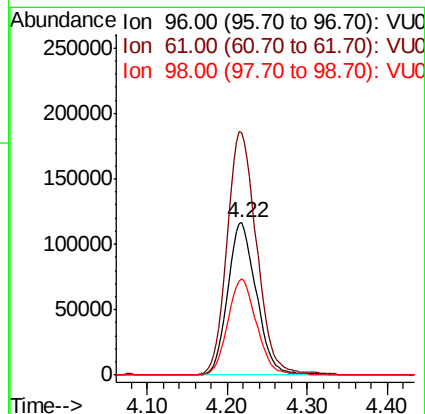
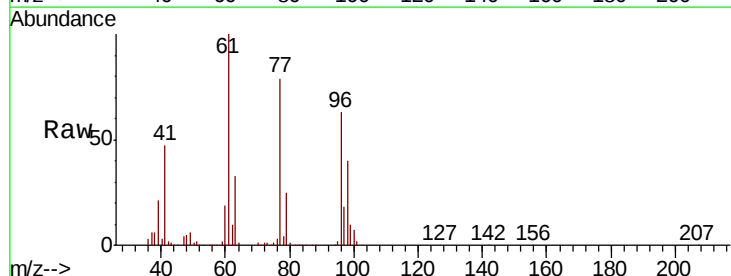
Tgt Ion: 96 Resp: 286481

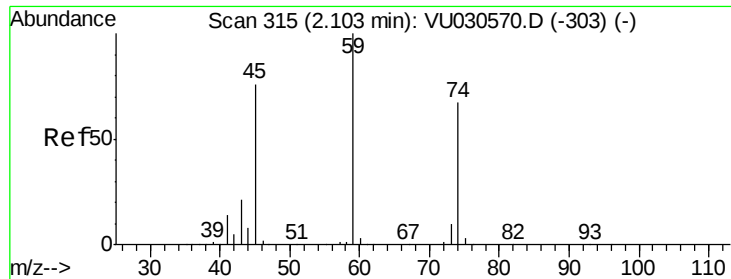
Ion Ratio Lower Upper

96 100

61 165.0 0.0 427.0

98 63.8 32.5 97.4

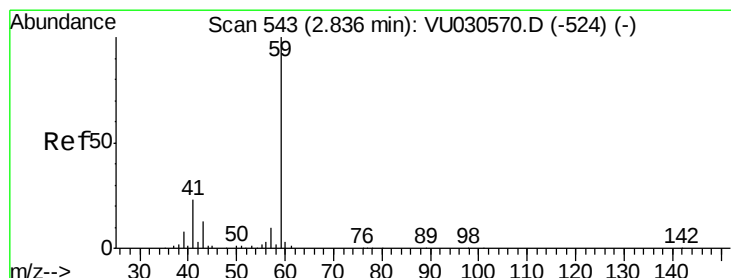
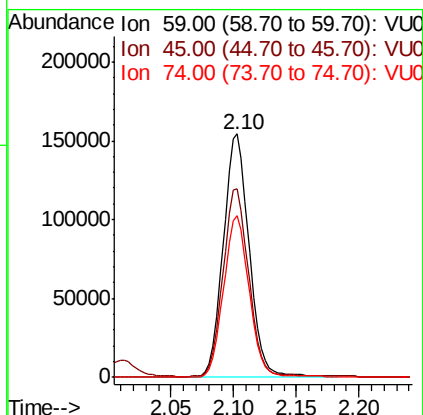
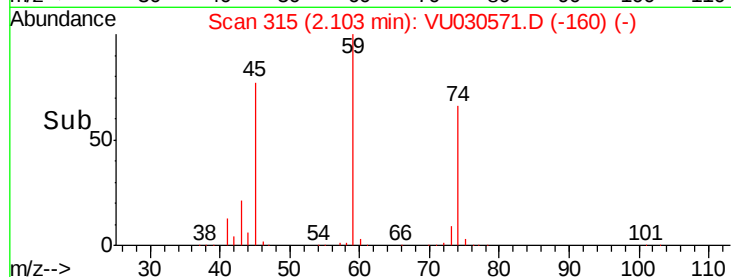
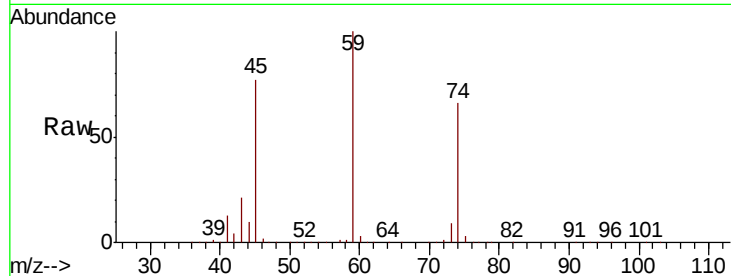




#23
Diethyl Ether
Concen: 19.195 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

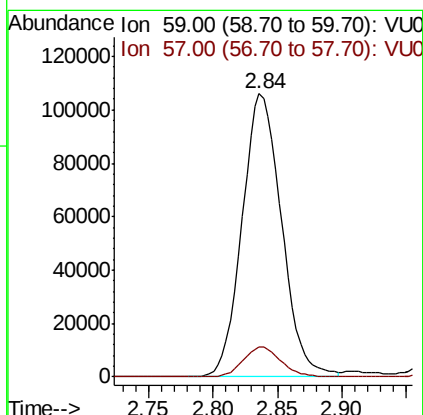
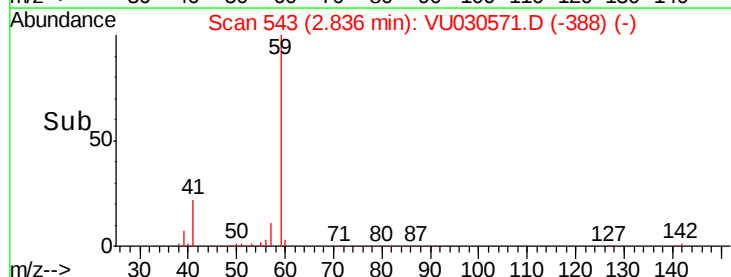
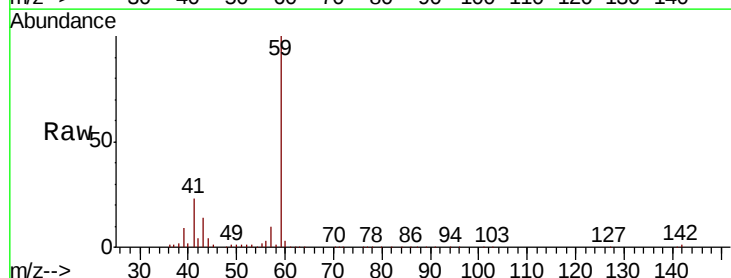
Instrument :
MSVOA_U
ClientSampleId :

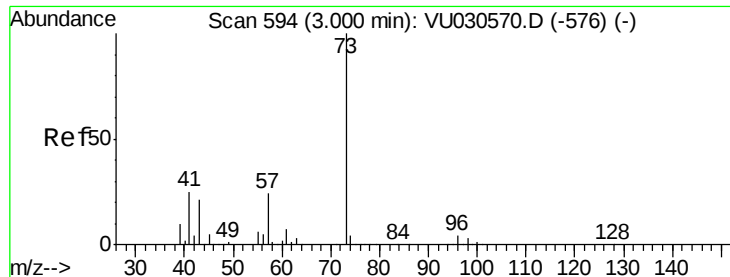
Tot Ion	Ratio	Lower	Upper
59	100		
45	76.5	61.6	92.4
74	65.6	53.2	79.8



#24
tert-Butyl Alcohol
Concen: 183.416 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

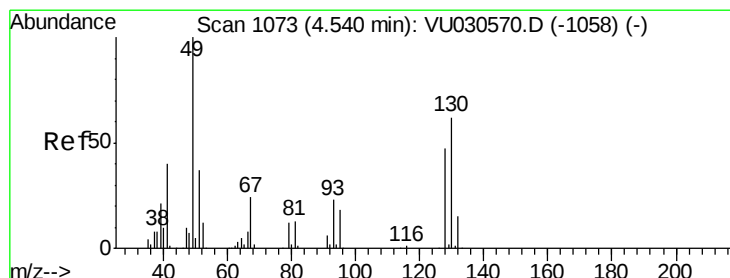
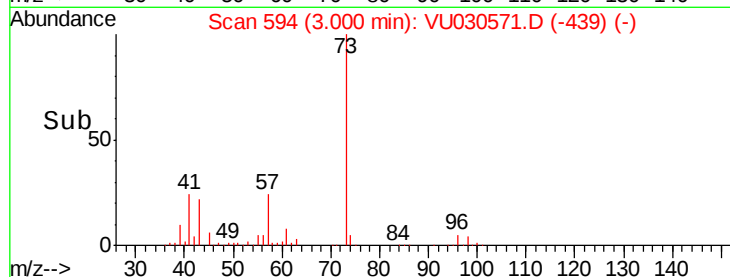
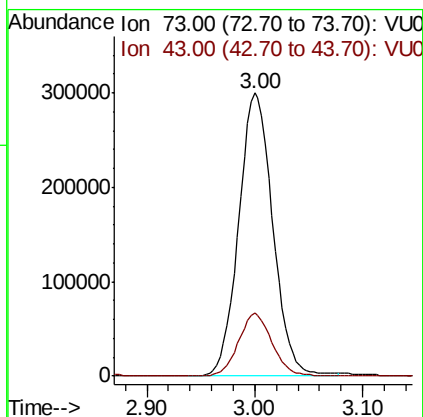
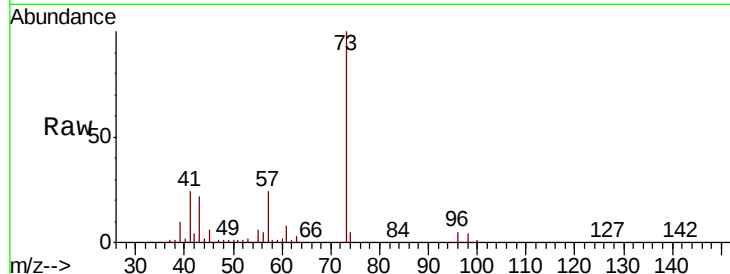




#25
Methvl tert-Butvl Ether
Concen: 17.232 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

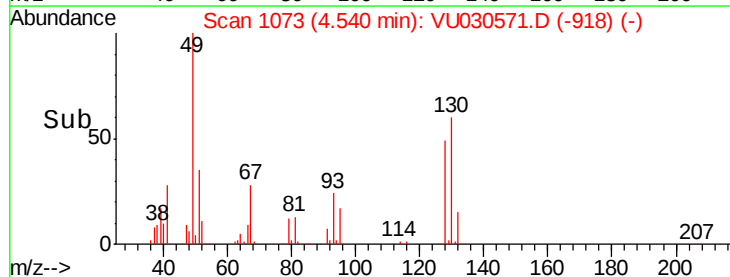
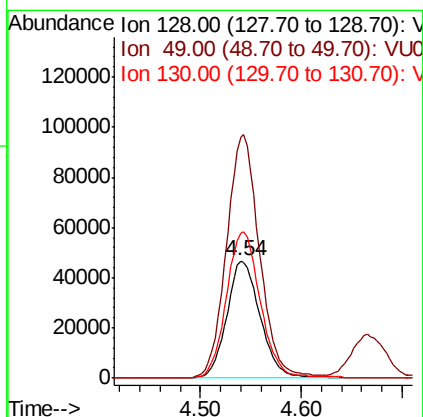
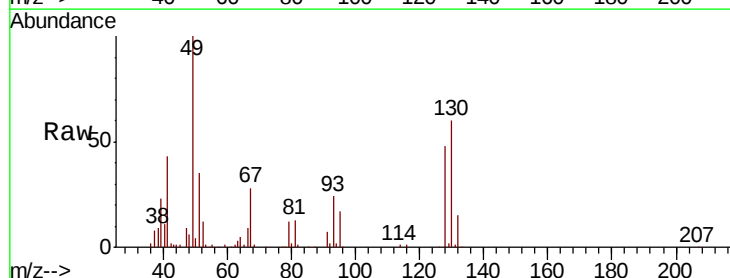
Instrument :
MSVOA_U
ClientSampleId :

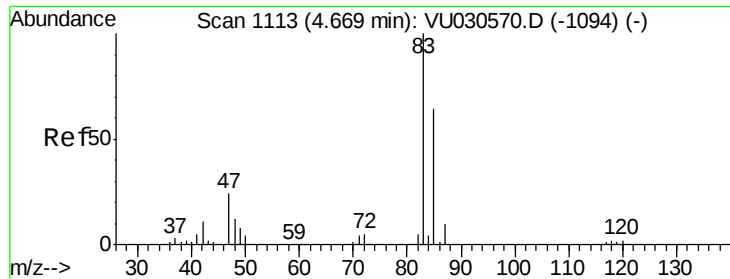
Tot Ion: 73 Resp: 661050
Ion Ratio Lower Upper
73 100
43 21.5 16.6 24.8



#26
Bromochloromethane
Concen: 13.281 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 128 Resp: 107398
Ion Ratio Lower Upper
128 100
49 205.8 0.0 418.2
130 127.5 103.4 155.0

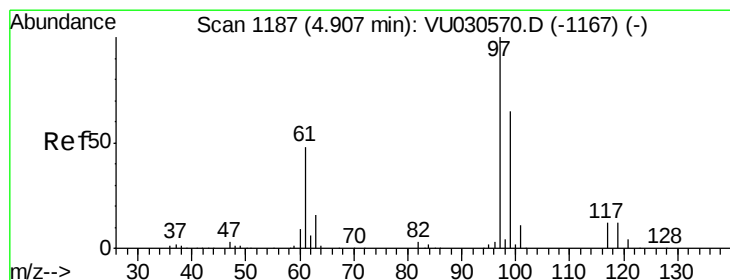
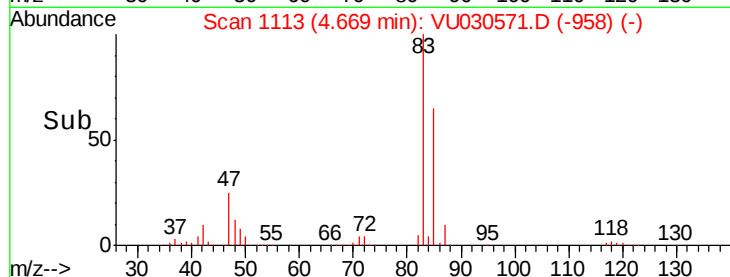
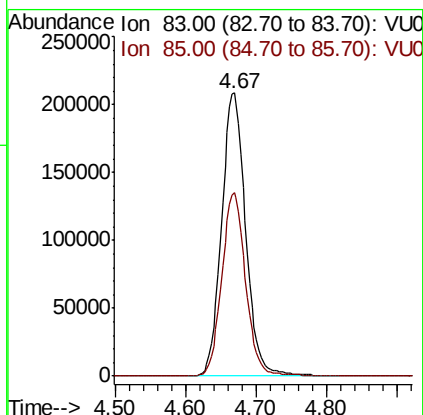
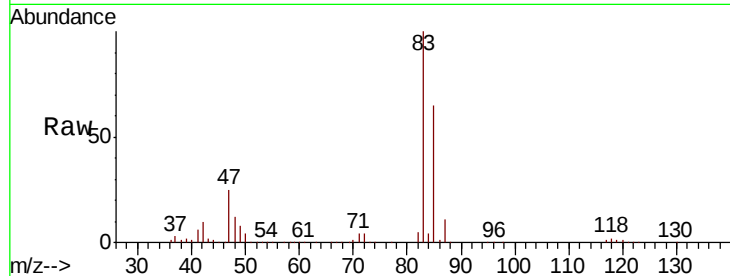




#27
Chloroform
Concen: 16.128 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

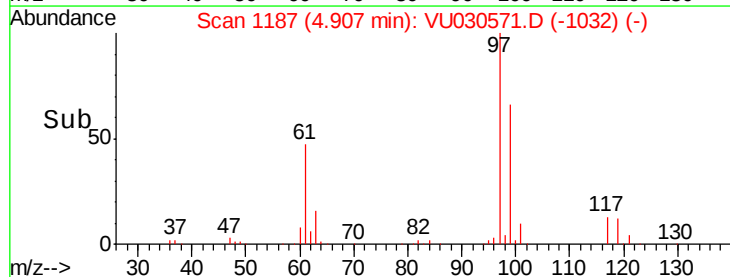
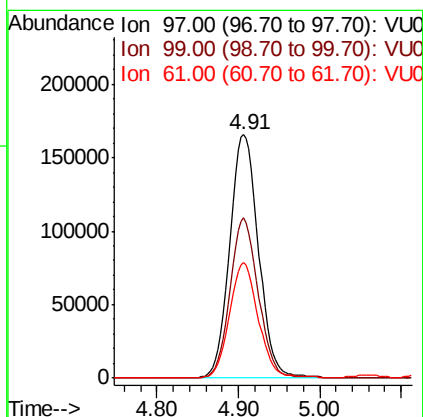
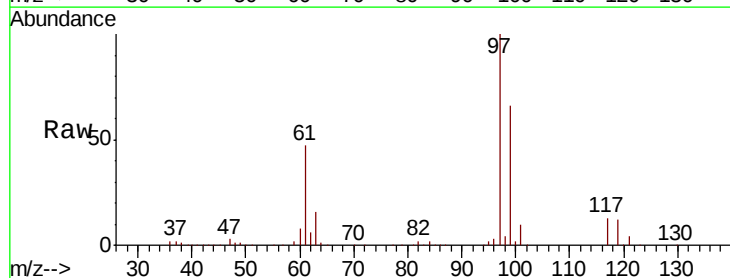
Instrument :
MSVOA_U
ClientSampleId :

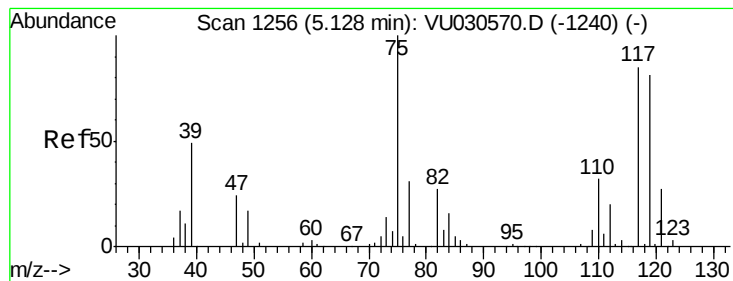
Tot Ion: 83 Resp: 497704
Ion Ratio Lower Upper
83 100
85 64.7 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 16.269 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 97 Resp: 409785
Ion Ratio Lower Upper
97 100
99 64.7 32.0 96.0
61 47.3 24.0 72.0





#29

1,1-Dichloropropene

Concen: 16.572 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

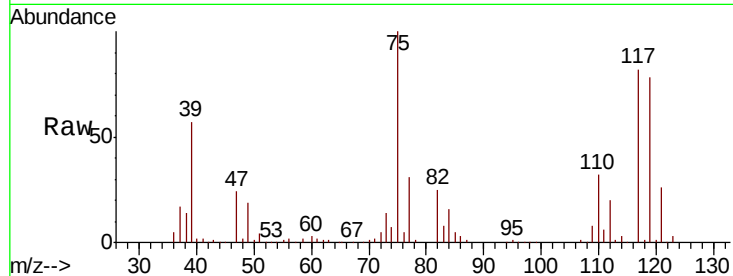
Tot Ion: 75 Resp: 379398

Ion Ratio Lower Upper

75 100

110 32.9 16.0 48.0

77 30.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-1240) (-)

Ion 110.00 (109.70 to 110.70): VU030570.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-1240) (-)

5.13

200000

150000

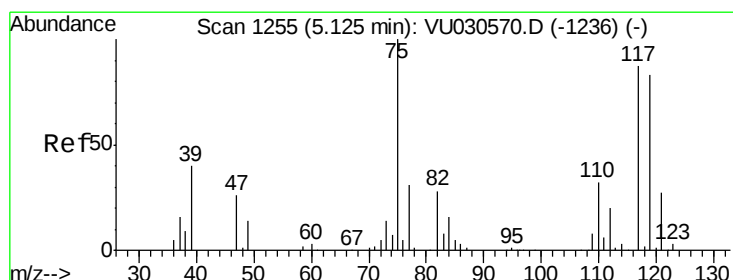
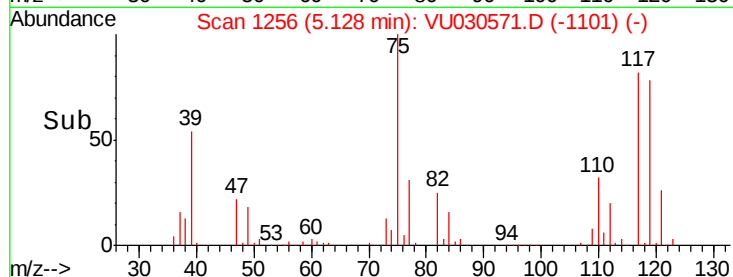
100000

50000

0

5.10 5.20

Time-->



#30

Carbon Tetrachloride

Concen: 15.660 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

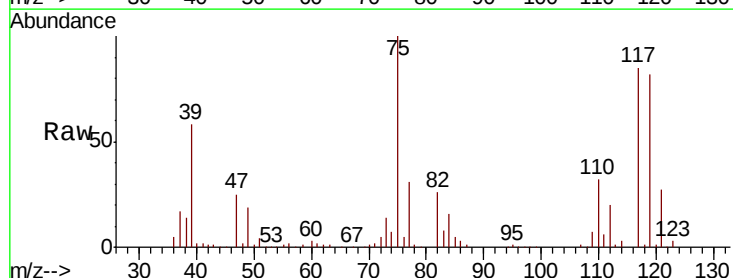
Tgt Ion: 117 Resp: 349681

Ion Ratio Lower Upper

117 100

119 96.0 76.4 114.6

121 31.4 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU030570.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU030570.D (-1236) (-)

Ion 121.00 (120.70 to 121.70): VU030570.D (-1236) (-)

5.13

200000

150000

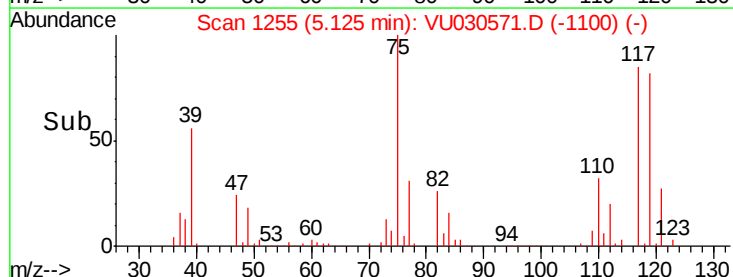
100000

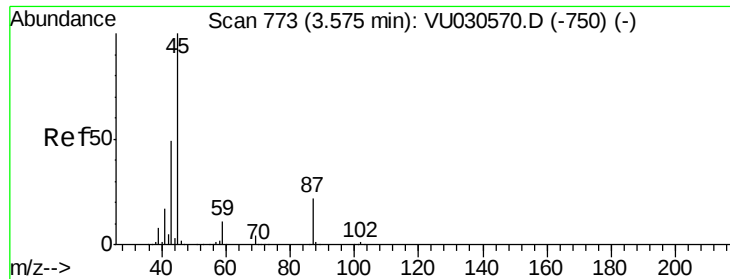
50000

0

5.10 5.20

Time-->





#31

Isopropyl Ether

Concen: 21.037 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

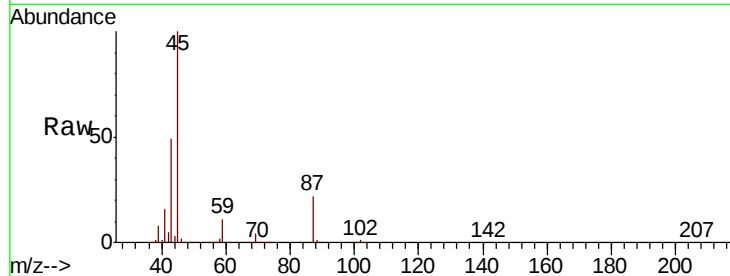
ClientSampleId :

Tot Ion: 45 Resp: 914999

Ion Ratio Lower Upper

45 100

43 48.9 25.0 75.0



Abundance Ion 45.00 (44.70 to 45.70): VU030571.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VU030571.D (-618) (-)

3.58

400000

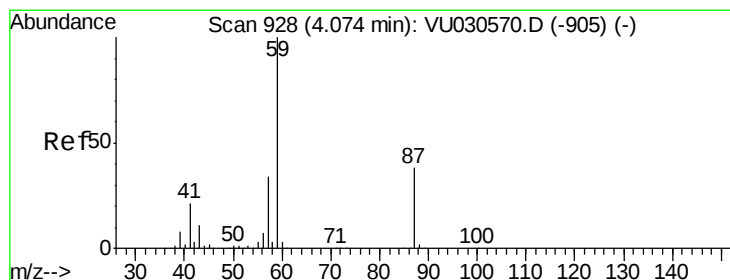
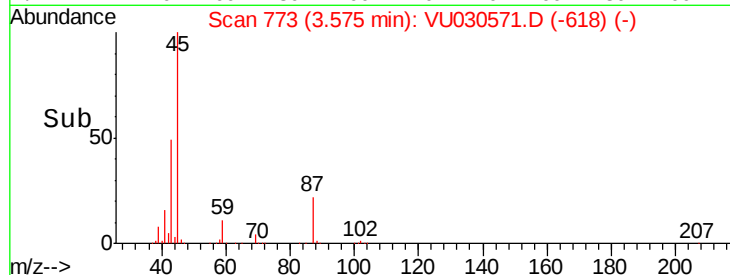
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 18.456 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU030571.D

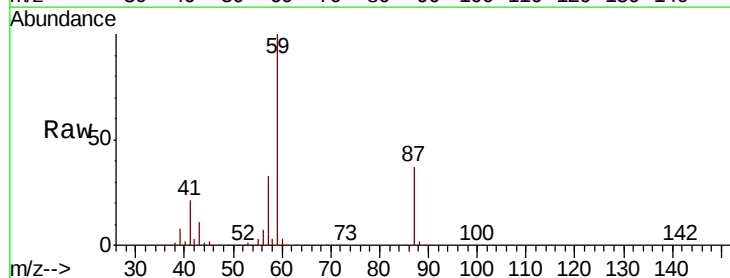
Acq: 30 Mar 2019 12:09

Tgt Ion: 59 Resp: 743217

Ion Ratio Lower Upper

59 100

87 37.0 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030571.D (-773) (-)

Ion 87.00 (86.70 to 87.70): VU030571.D (-773) (-)

4.07

300000

250000

200000

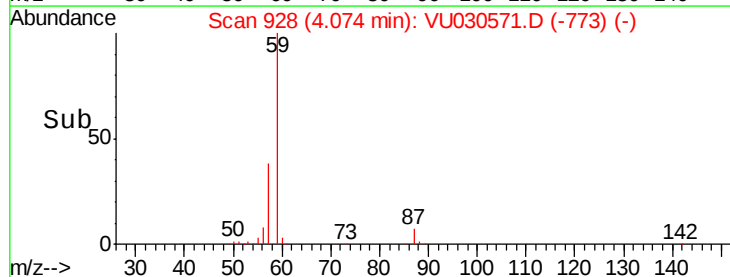
150000

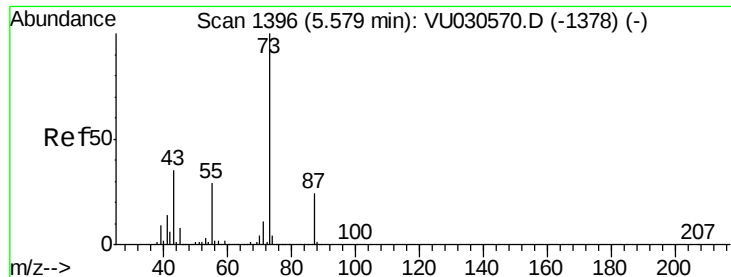
100000

50000

0

Time-->



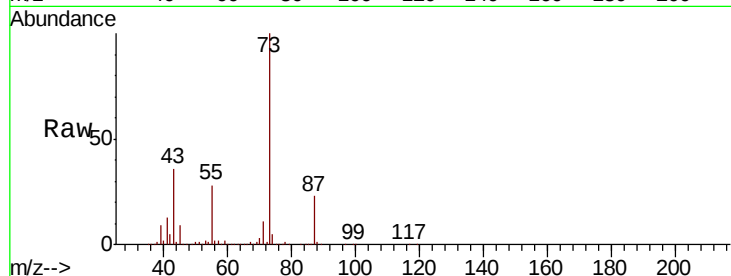


#33

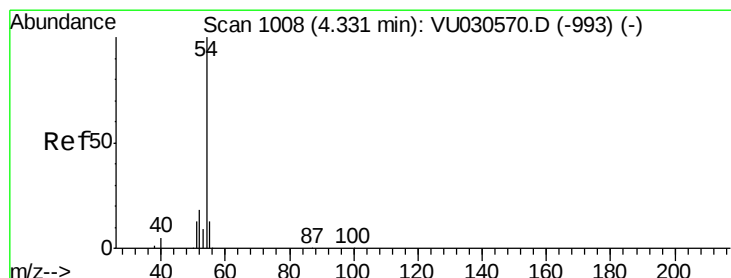
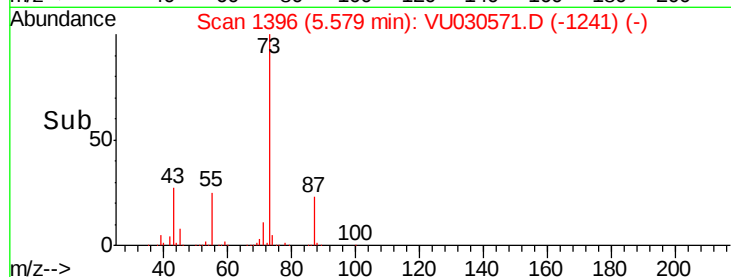
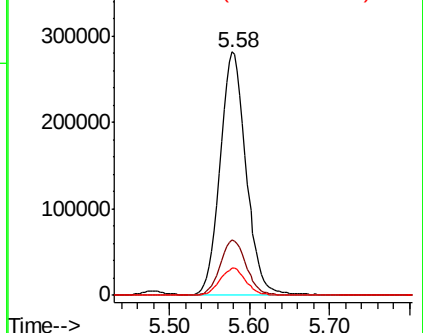
Tert-Amvl methvl ether
Concen: 17.301 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 625974
Ion Ratio Lower Upper
73 100
87 22.8 18.6 27.8
71 11.2 9.0 13.4



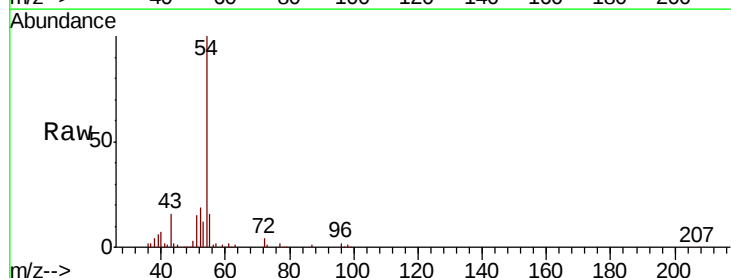
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



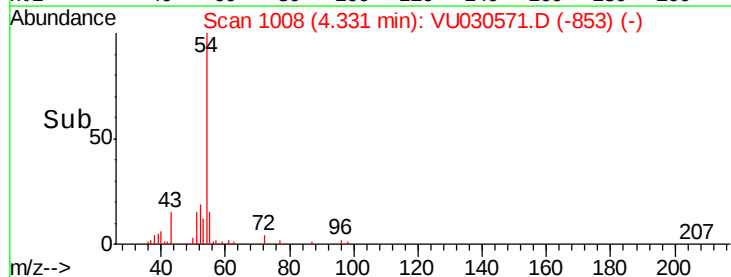
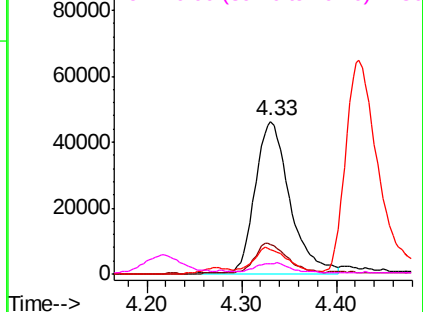
#34

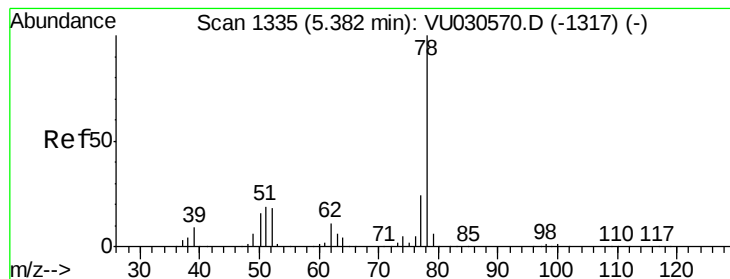
Propionitrile
Concen: 104.257 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 54 Resp: 119036
Ion Ratio Lower Upper
54 100
52 18.4 14.1 21.1
55 16.7 10.4 15.6#
40 6.3 1.8 2.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 16.392 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

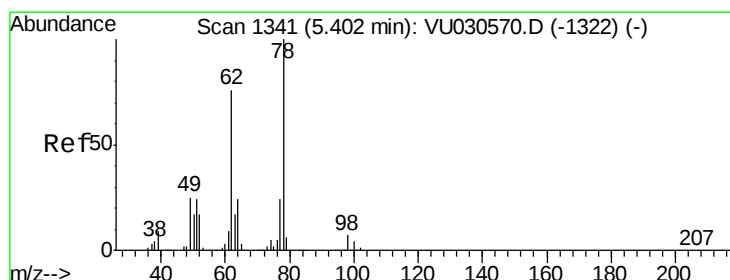
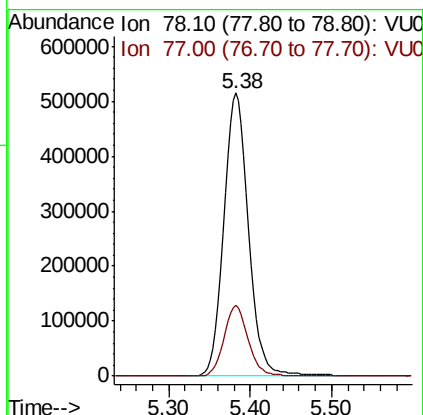
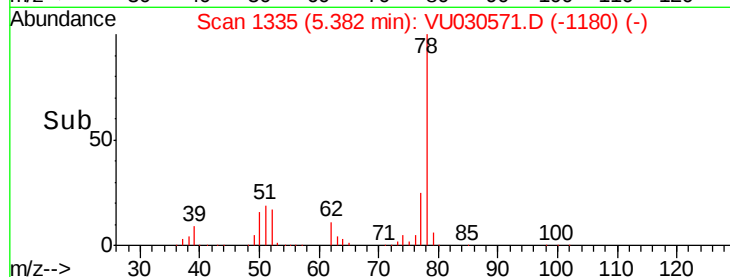
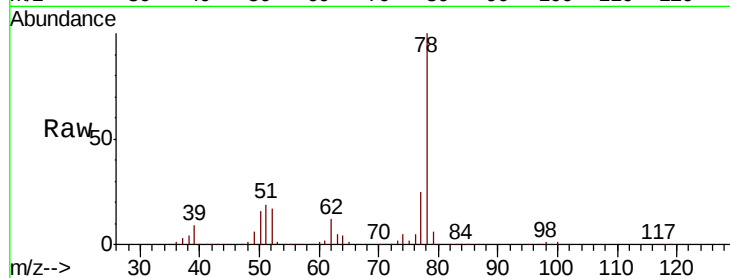
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 1101635

Ion Ratio Lower Upper

78 100

77 24.8 19.5 29.3



#36

1,2-Dichloroethane

Concen: 17.663 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030571.D

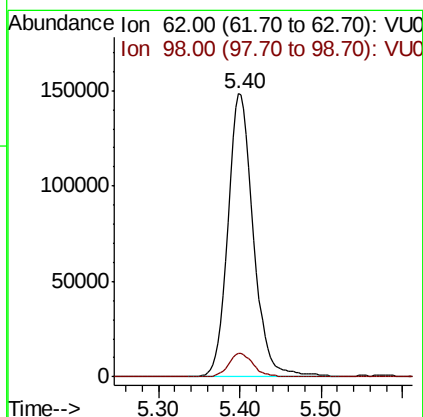
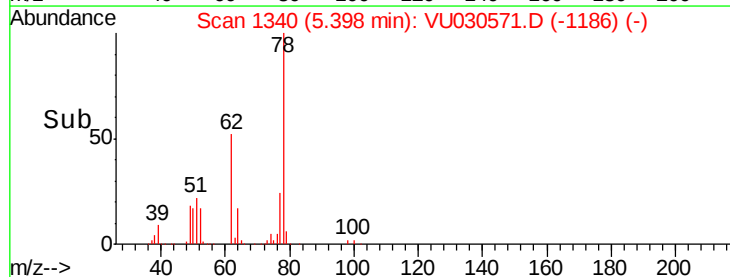
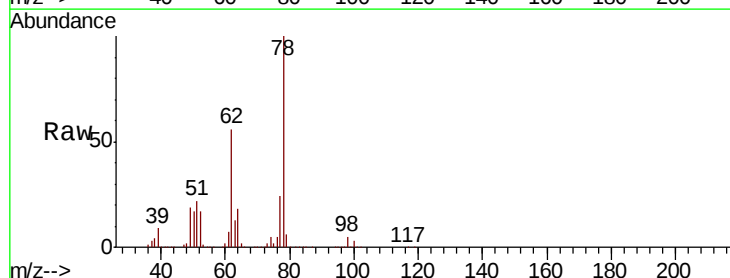
Acq: 30 Mar 2019 12:09

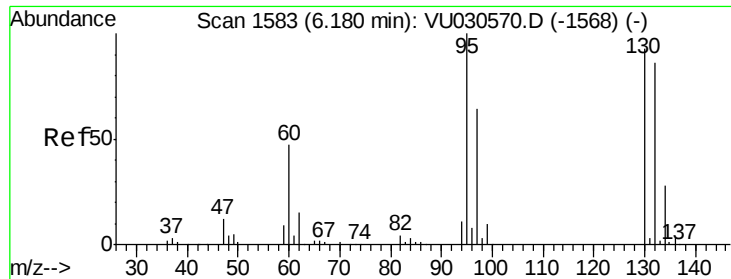
Tgt Ion: 62 Resp: 326241

Ion Ratio Lower Upper

62 100

98 8.2 6.8 10.2

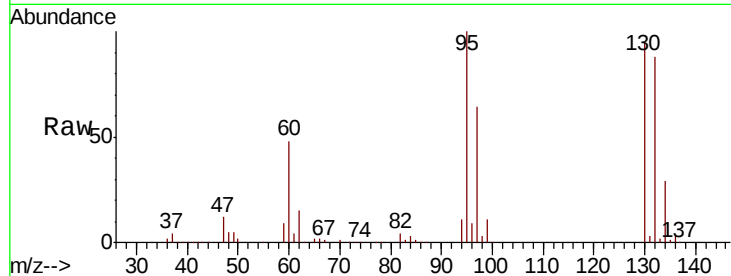




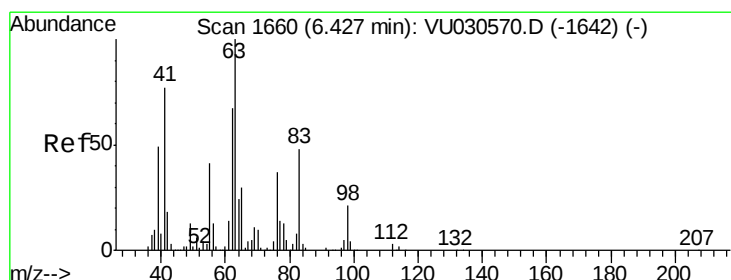
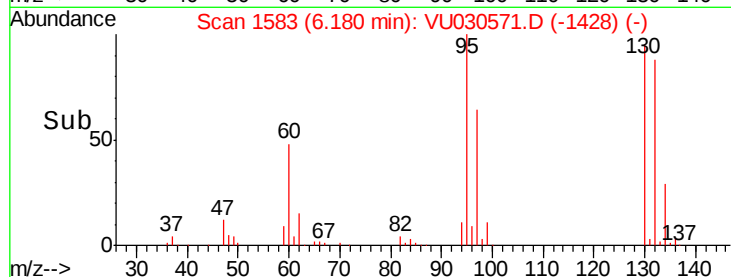
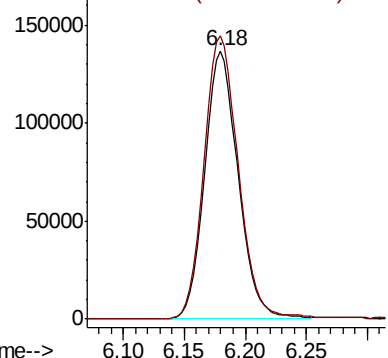
#37
 Trichloroethene
 Concen: 13.946 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 261344
 Ion Ratio Lower Upper
 130 100
 95 105.5 85.8 128.8

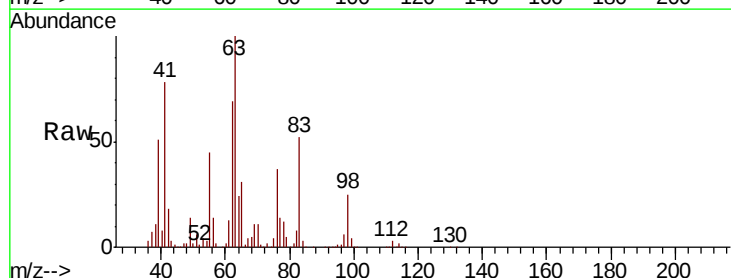


Abundance Ion 129.90 (129.60 to 130.60): VU030571.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030571.D (-1568) (-)

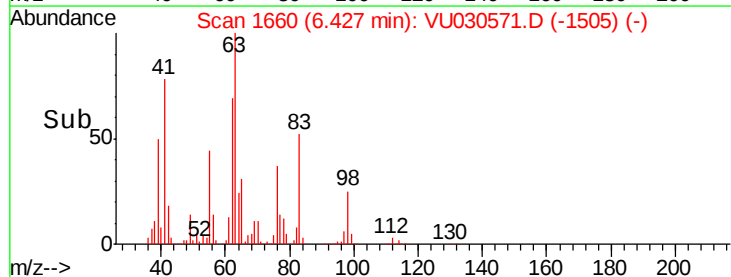
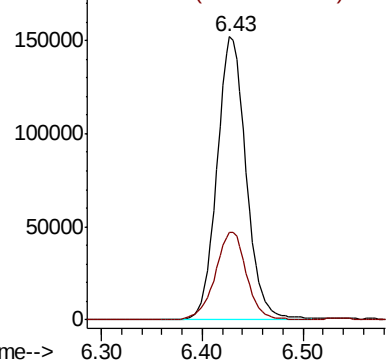


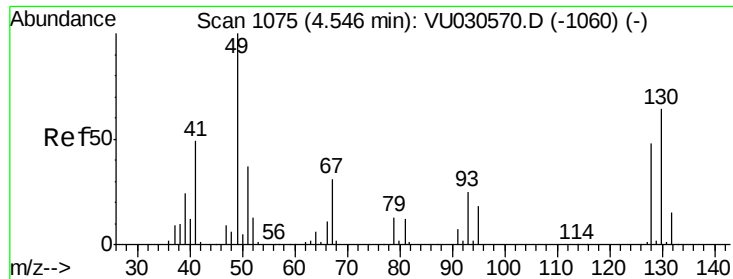
#38
 1,2-Dichloropropane
 Concen: 17.404 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion: 63 Resp: 302315
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030571.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030571.D (-1642) (-)

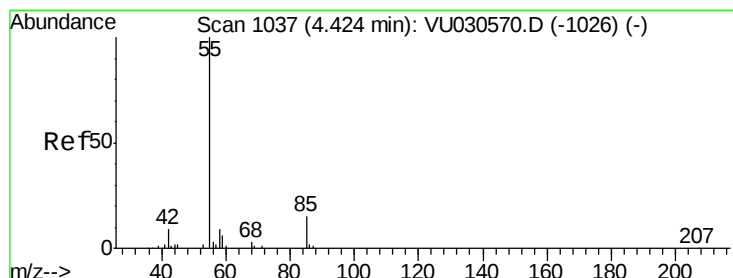
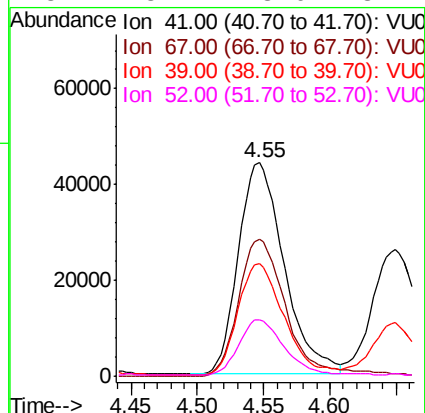
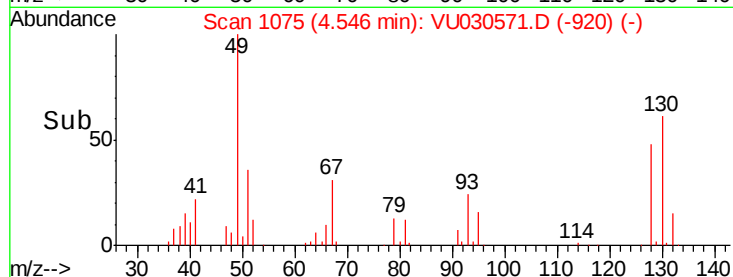
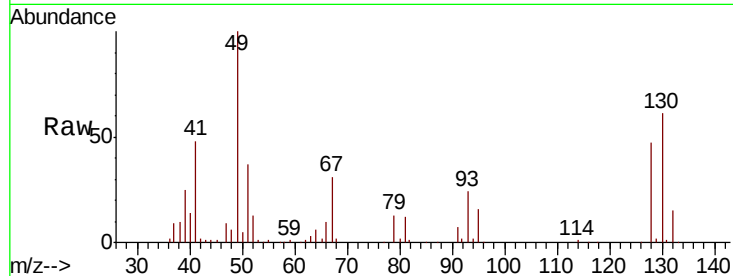




#39
Methacrylonitrile
Concen: 20.957 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

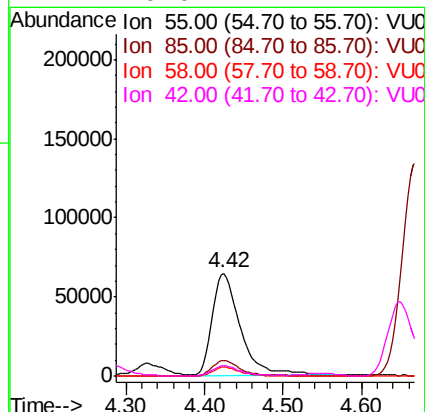
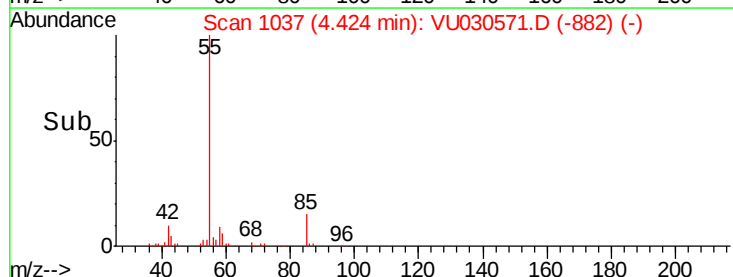
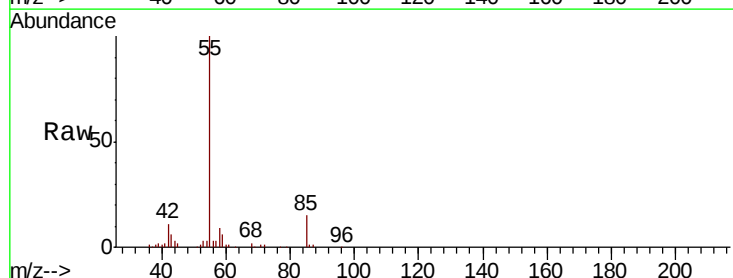
Instrument :
MSVOA_U
ClientSampleId :

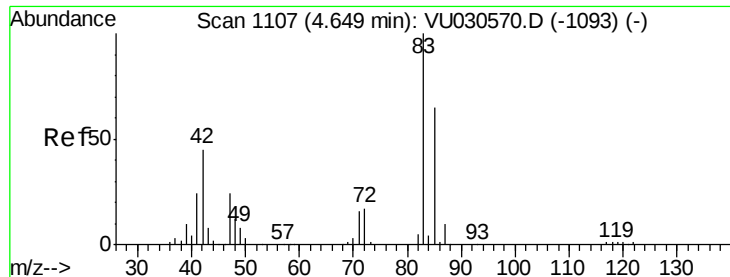
Tot Ion: 41 Resp: 106414
Ion Ratio Lower Upper
41 100
67 67.5 50.2 75.4
39 52.8 40.7 61.1
52 25.7 23.0 34.4



#40
Methyl acrylate
Concen: 20.757 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 55 Resp: 160397
Ion Ratio Lower Upper
55 100
85 14.8 12.5 18.7
58 8.6 6.3 9.5
42 9.0 7.4 11.2





#41

Tetrahydrofuran

Concen: 40.201 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampled :

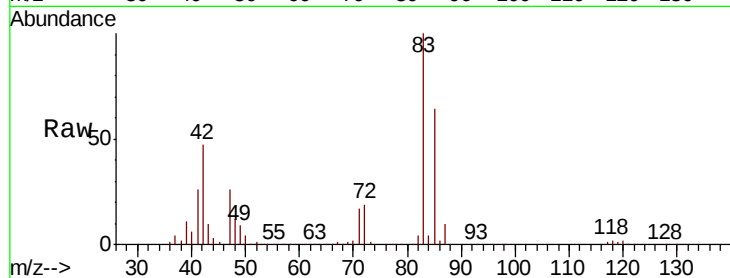
Tot Ion: 42 Resp: 110916

Ion Ratio Lower Upper

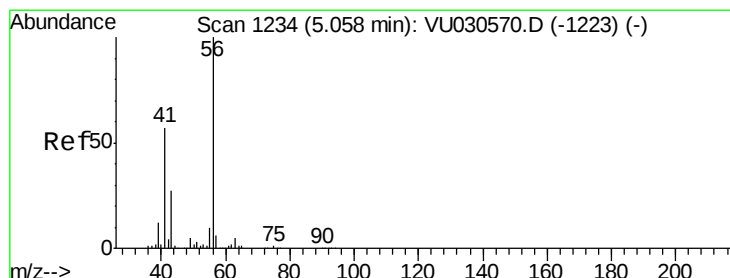
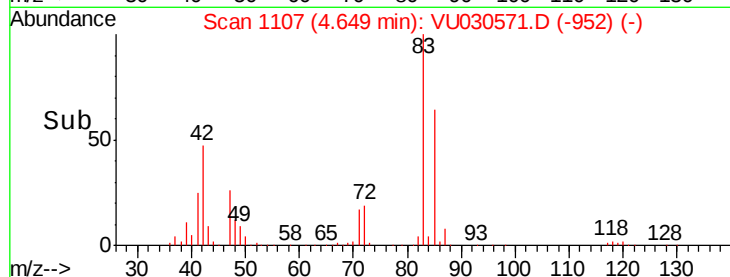
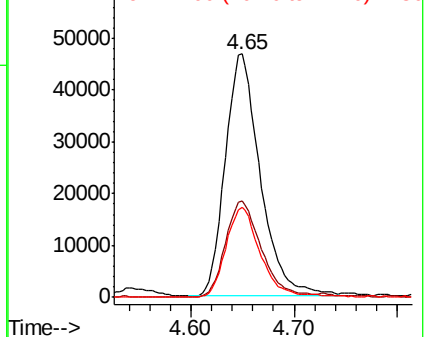
42 100

72 40.6 33.4 50.0

71 35.8 28.8 43.2



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 18.983 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VU030571.D

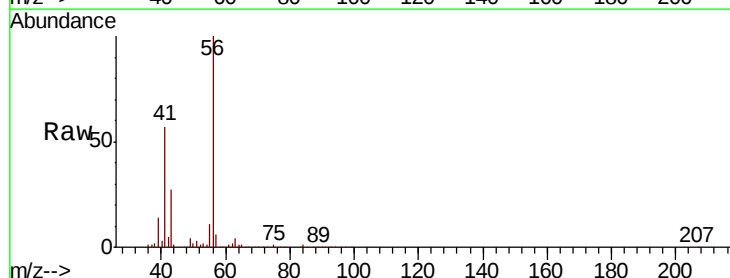
Acq: 30 Mar 2019 12:09

Tgt Ion: 56 Resp: 587919

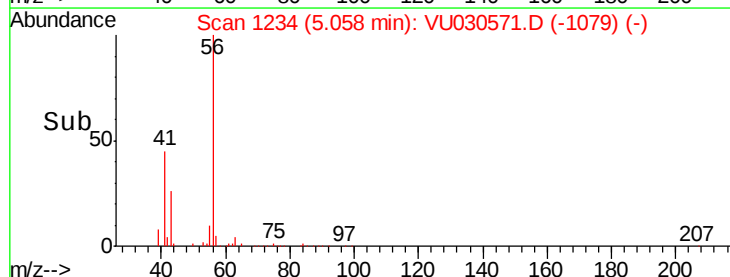
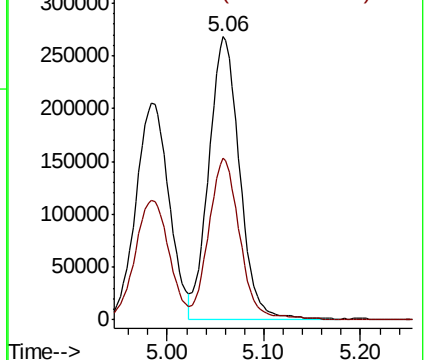
Ion Ratio Lower Upper

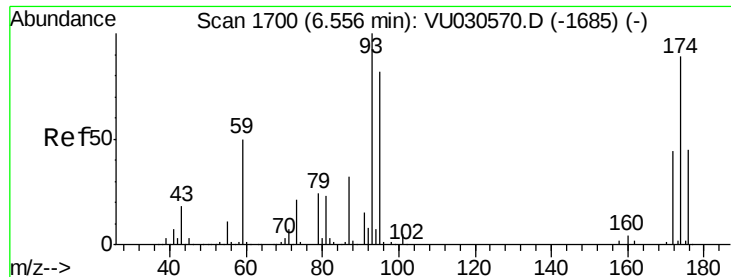
56 100

41 57.6 28.5 85.6



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0

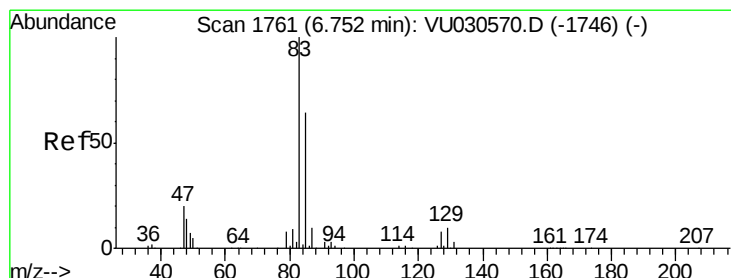
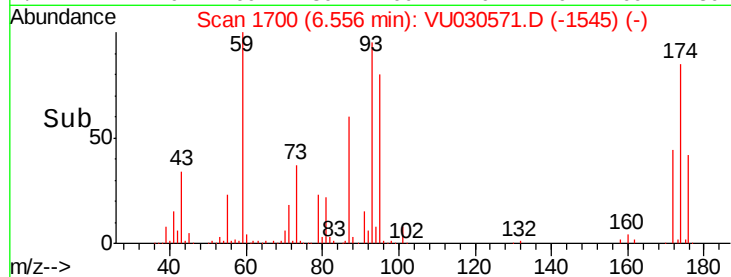
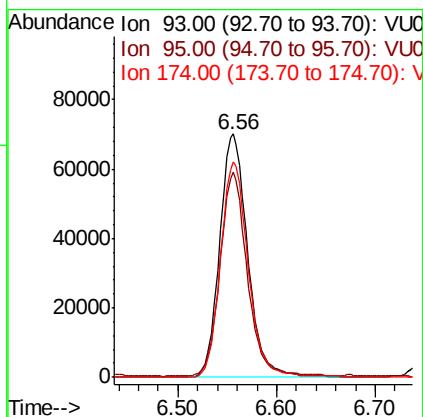
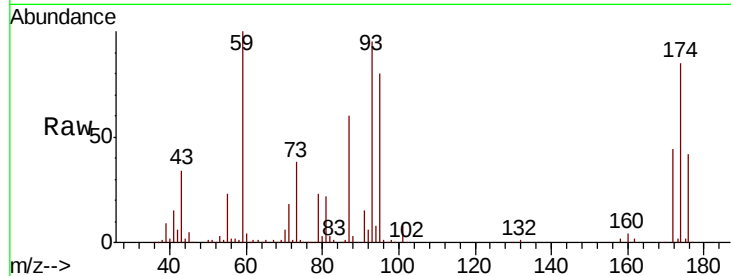




#43
Dibromomethane
Concen: 15.811 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

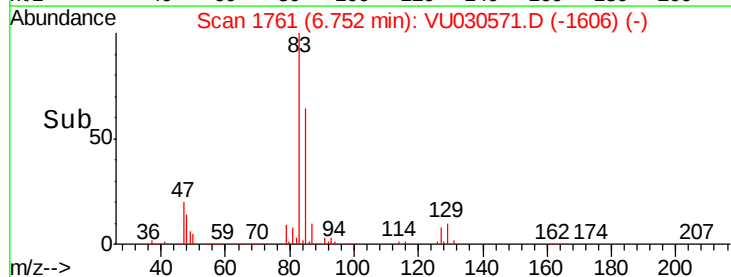
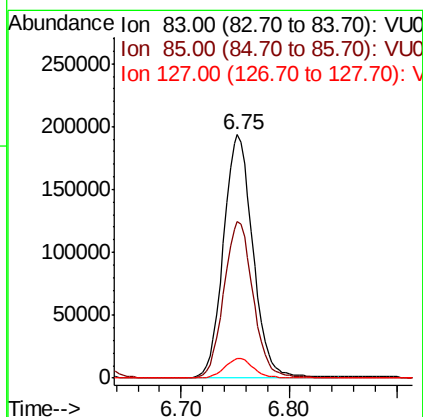
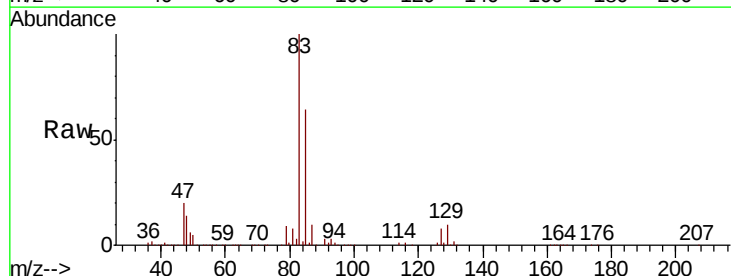
Instrument :
MSVOA_U
ClientSampleId :

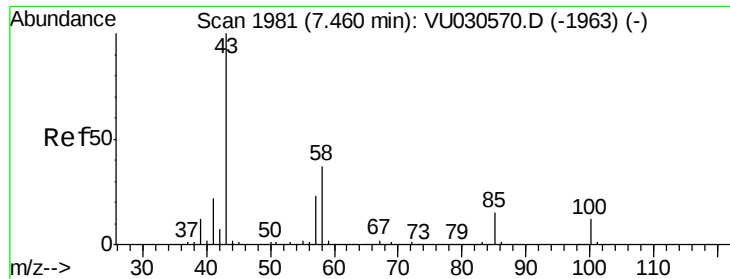
Tot Ion: 93 Resp: 139246
Ion Ratio Lower Upper
93 100
95 80.9 63.9 95.9
174 87.8 71.0 106.4



#44
Bromodichloromethane
Concen: 17.125 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 83 Resp: 364195
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 8.3 6.1 9.1





#45

4-Methyl-2-Pentanone

Concen: 108.509 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. -0.00 min

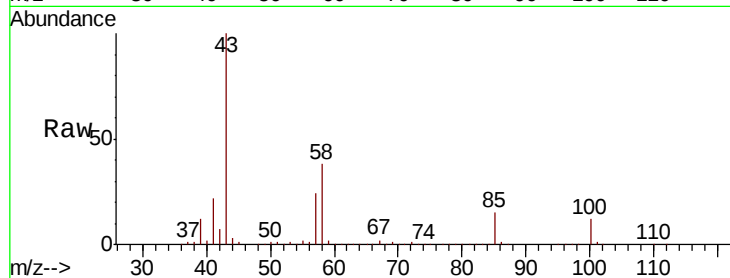
Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1006937

Ion	Ratio	Lower	Upper
43	100		
58	37.7	18.6	55.8
85	14.8	11.8	17.6

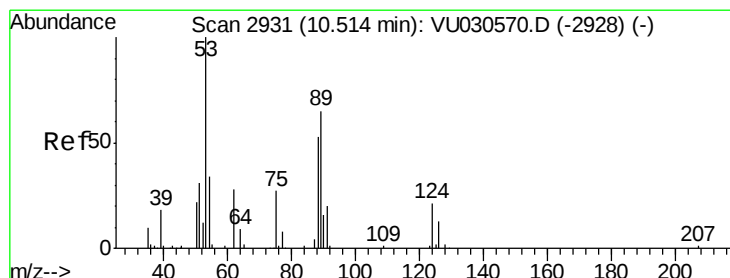
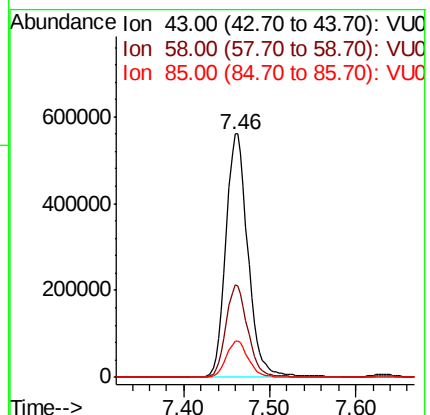
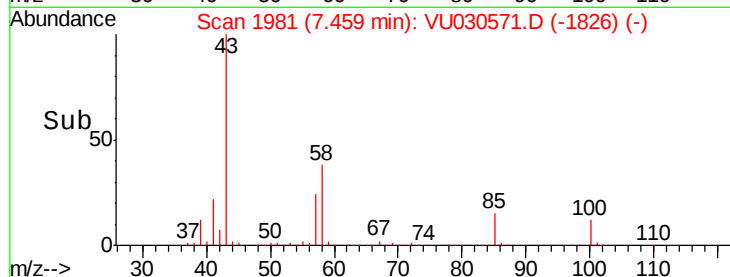


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 44.201 ug/l

RT: 10.49 min Scan# 2924

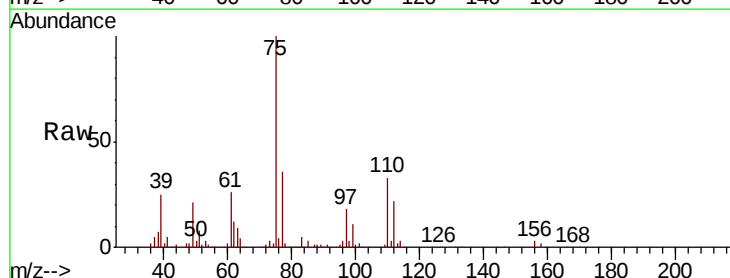
Delta R.T. -0.02 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion: 75 Resp: 150355

Ion	Ratio	Lower	Upper
75	100		
53	73.4	63.4	95.2
89	46.2	39.1	58.7
88	34.0	30.4	45.6



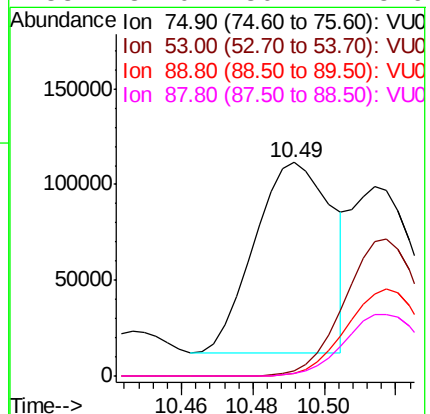
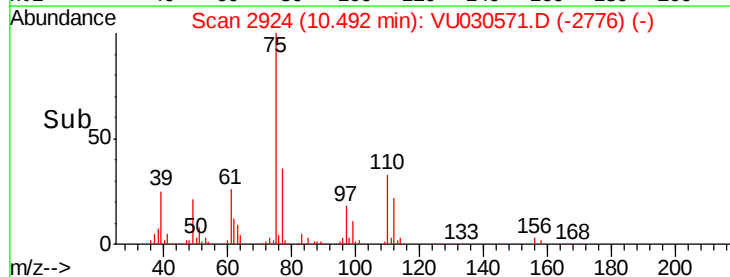
Abundance

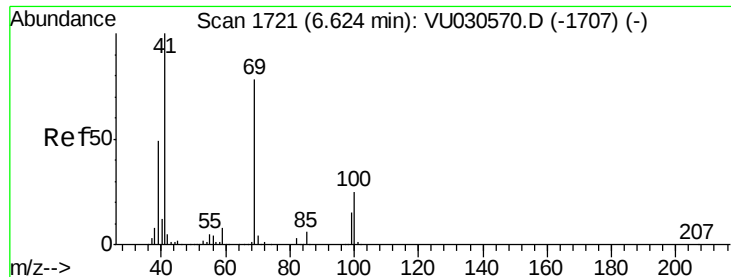
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

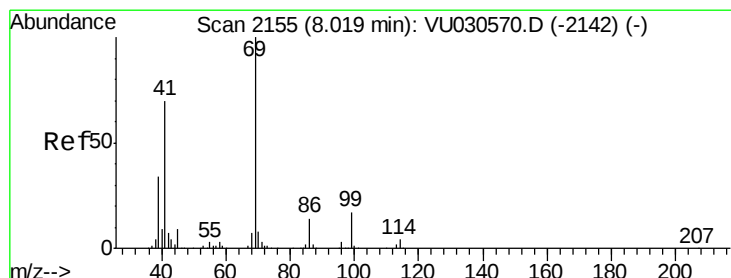
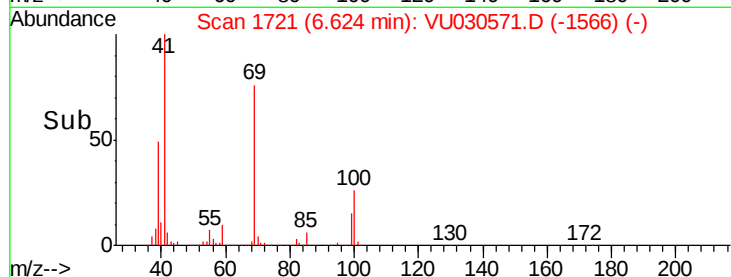
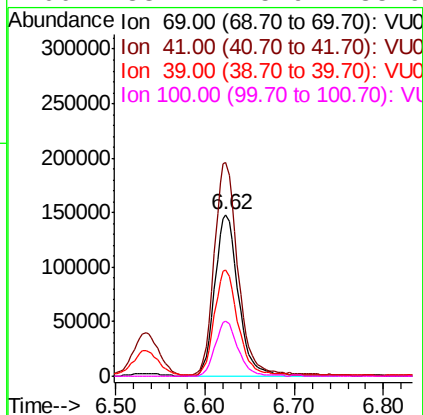
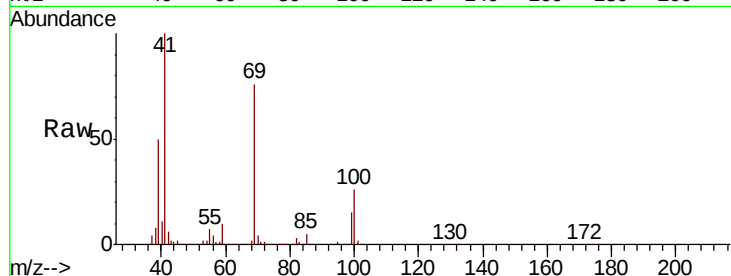




#47
Methyl methacrylate
Concen: 36.589 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

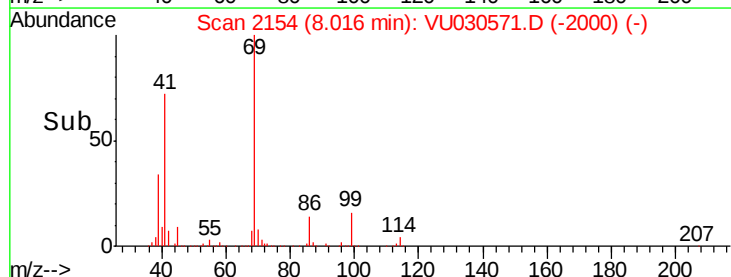
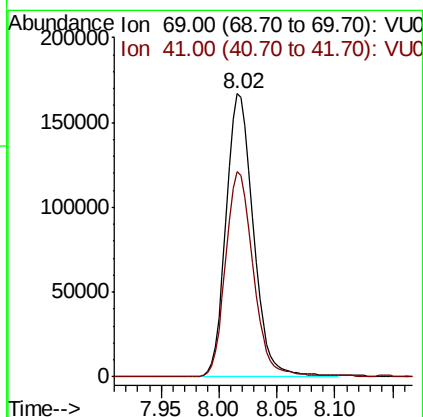
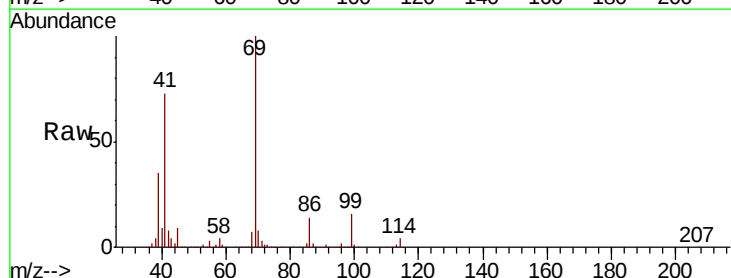
Instrument :
MSVOA_U
ClientSampleId :

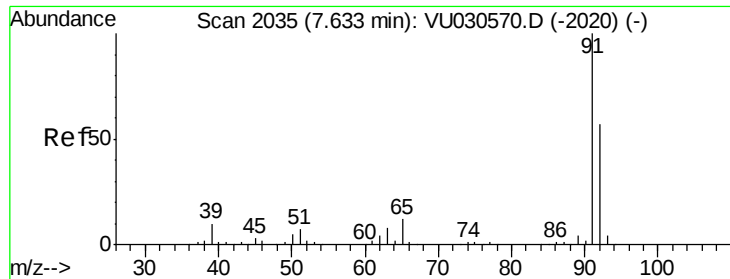
Tot Ion: 69 Resp: 272911
Ion Ratio Lower Upper
69 100
41 130.6 0.0 258.0
39 65.0 51.0 76.4
100 33.1 25.9 38.9



#48
Ethyl methacrylate
Concen: 19.435 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 69 Resp: 272059
Ion Ratio Lower Upper
69 100
41 73.2 36.1 108.5





#49

Toluene

Concen: 16.169 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

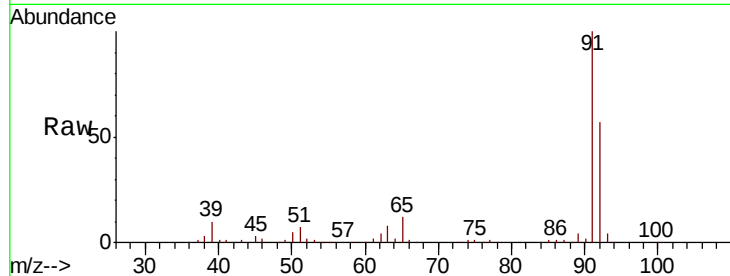
ClientSampleId :

Tot Ion: 92 Resp: 645533

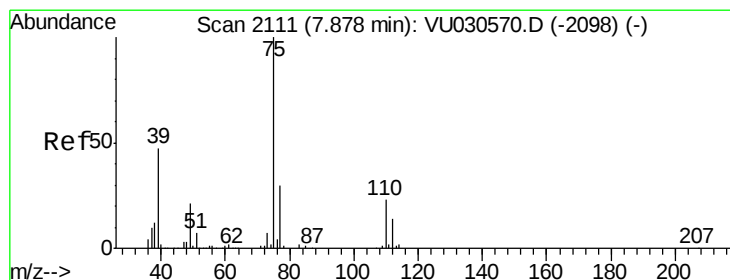
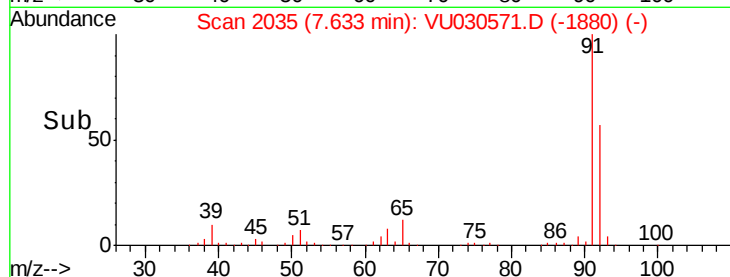
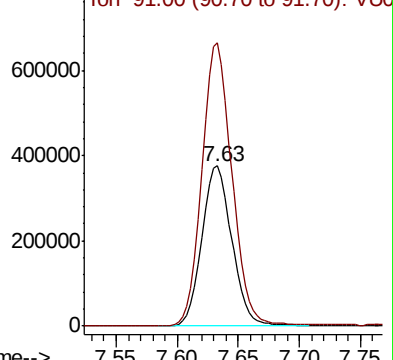
Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030571.D (-1880) (-)



#50

t-1,3-Dichloropropene

Concen: 17.718 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030571.D

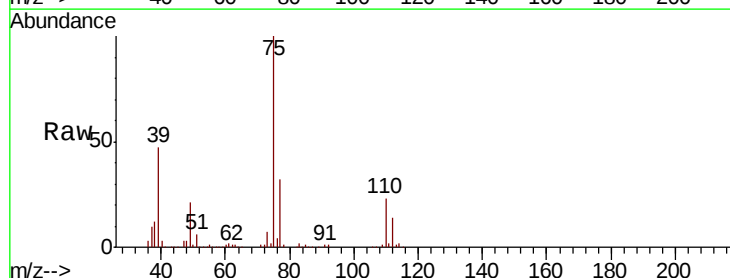
Acq: 30 Mar 2019 12:09

Tgt Ion: 75 Resp: 335705

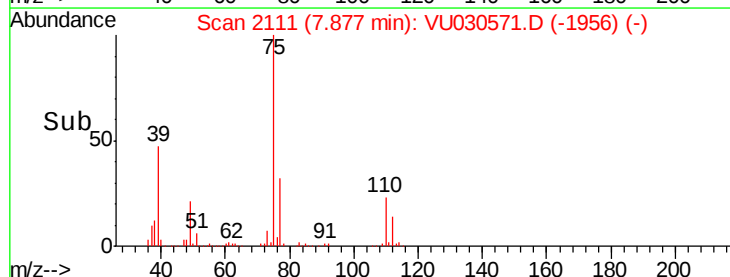
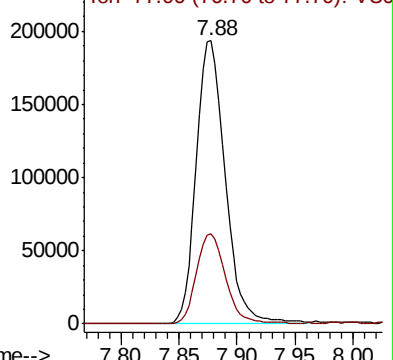
Ion Ratio Lower Upper

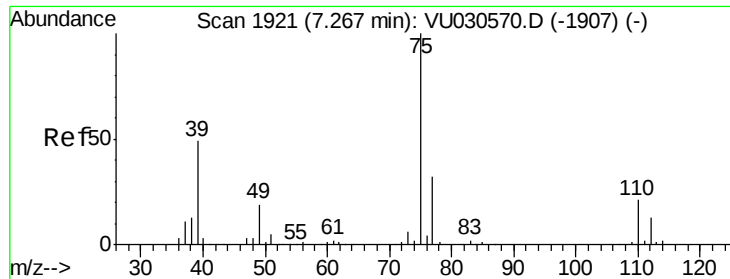
75 100

77 31.9 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030571.D (-1956) (-)



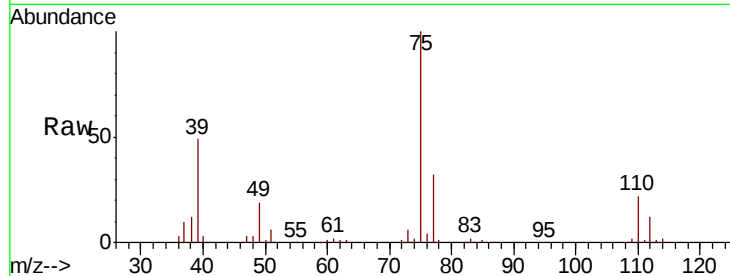


#51

cis-1,3-Dichloropropene
Concen: 17.294 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	48.7	39.3	58.9

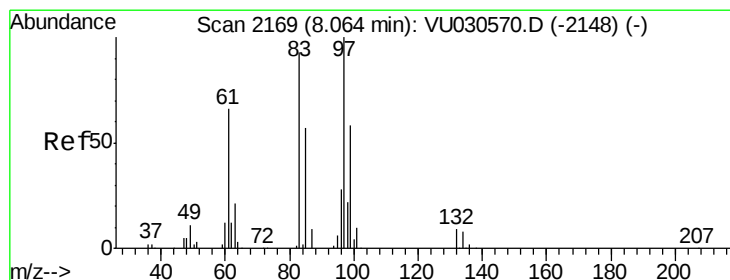
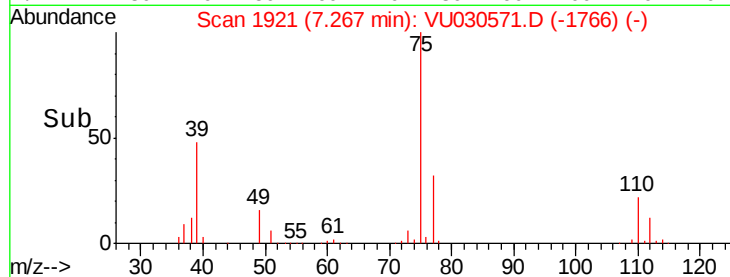
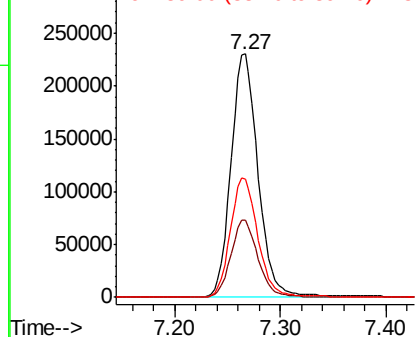


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

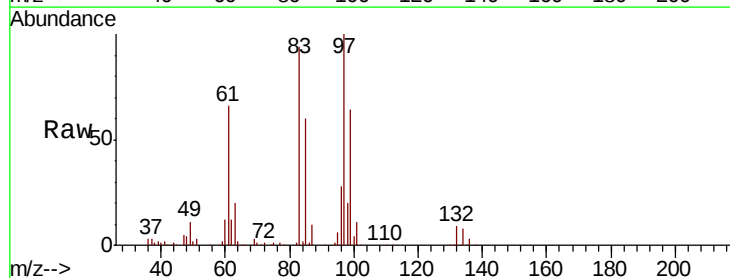
Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane
Concen: 15.337 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.5	74.3	111.5
85	60.1	45.4	68.0
99	62.8	46.6	70.0



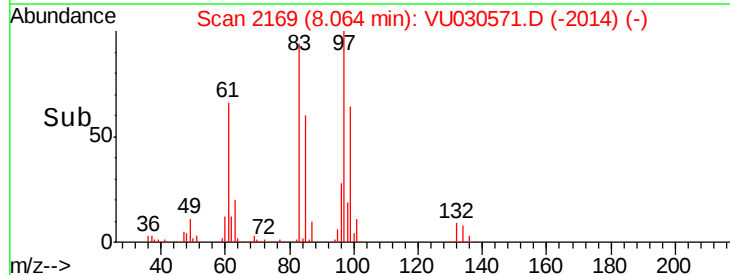
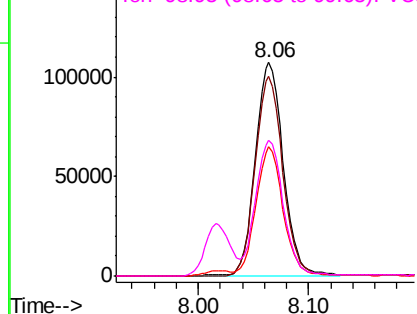
Abundance

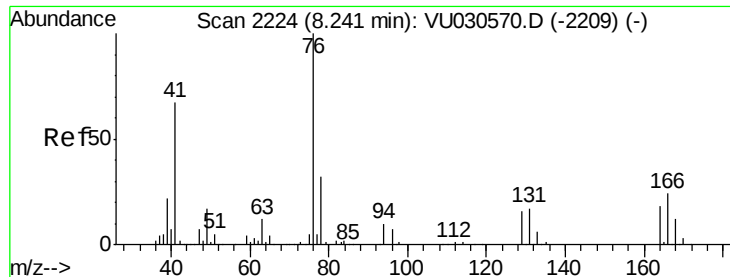
Ion 97.00 (96.70 to 97.70): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 84.95 (84.65 to 85.65): VU0

Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 16.519 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

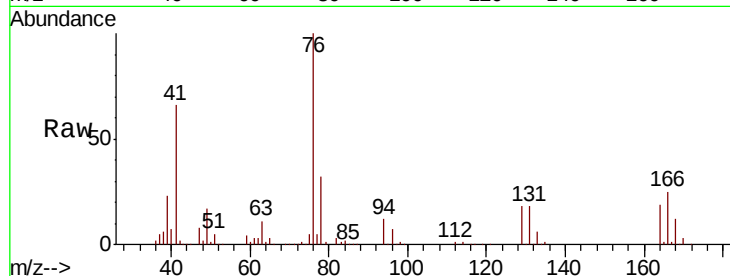
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 346044

Ion Ratio Lower Upper

76 100

78 31.9 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VU030571.D (-2069) (-)

Ion 78.00 (77.70 to 78.70): VU030571.D (-2069) (-)

8.24

200000

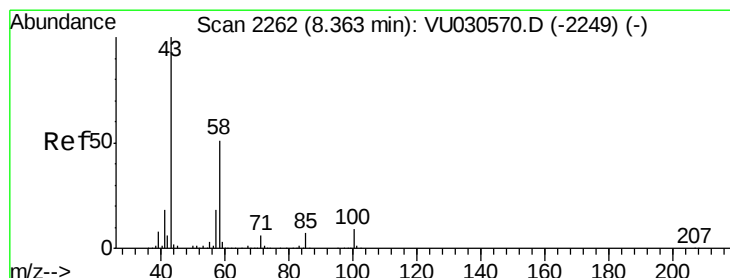
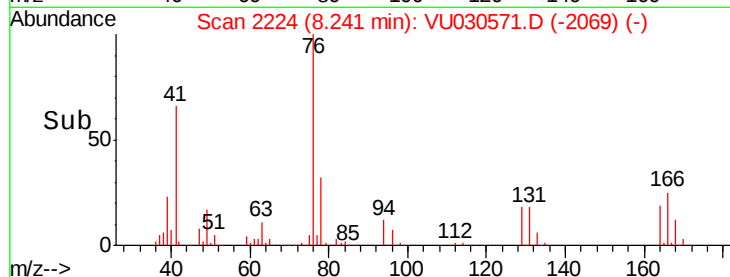
150000

100000

50000

0

Time-->



#54

2-Hexanone

Concen: 105.118 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

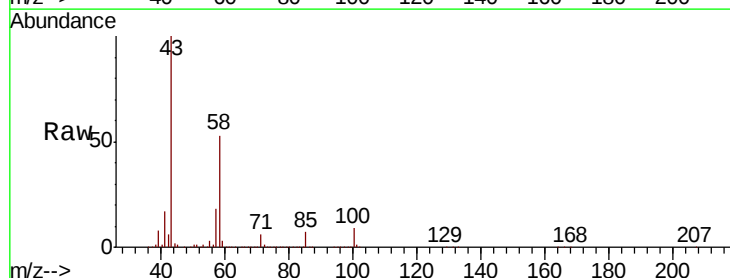
Tgt Ion: 43 Resp: 695649

Ion Ratio Lower Upper

43 100

58 52.5 32.5 72.5

57 18.0 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030571.D (-2107) (-)

Ion 58.00 (57.70 to 58.70): VU030571.D (-2107) (-)

Ion 57.00 (56.70 to 57.70): VU030571.D (-2107) (-)

8.36

500000

400000

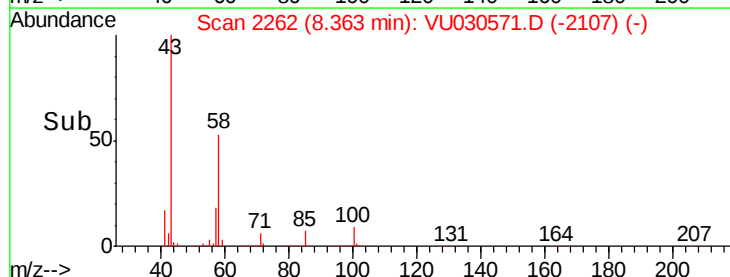
300000

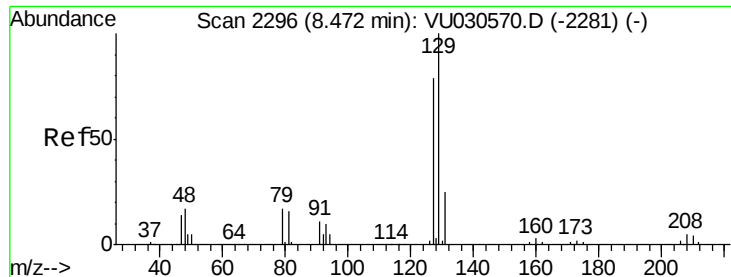
200000

100000

0

Time-->

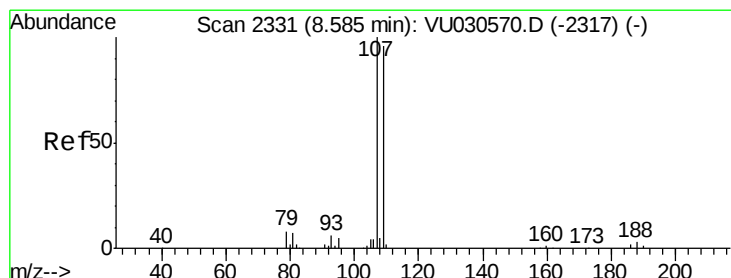
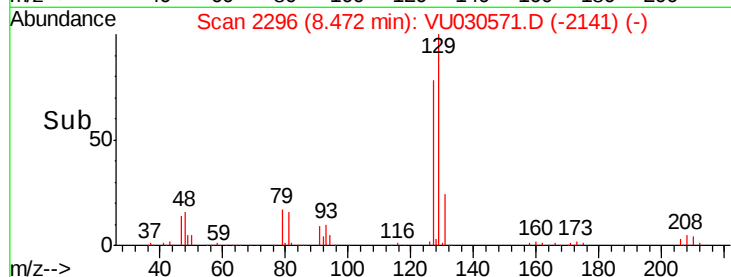
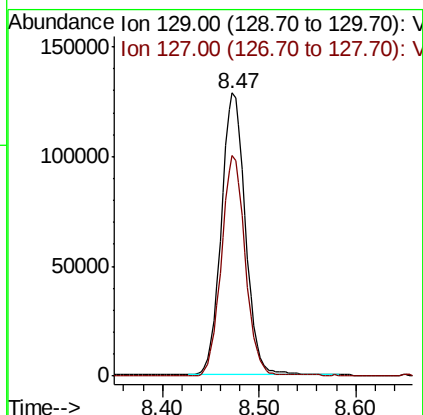
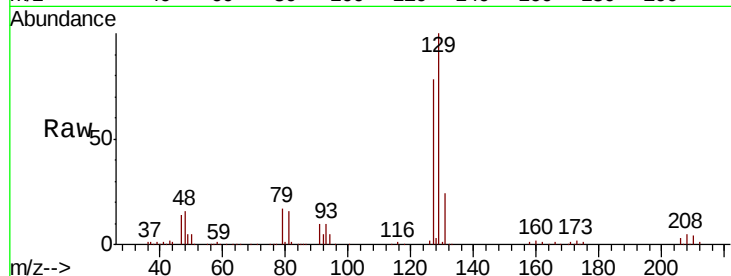




#55
 Dibromochloromethane
 Concen: 15.108 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

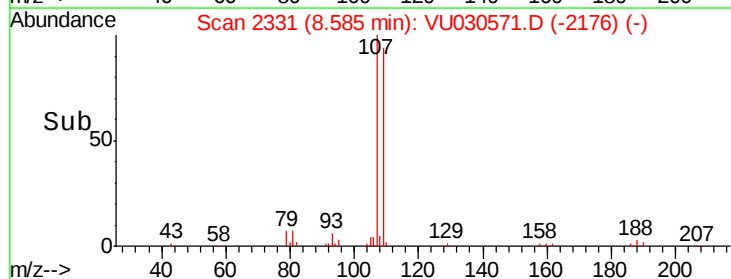
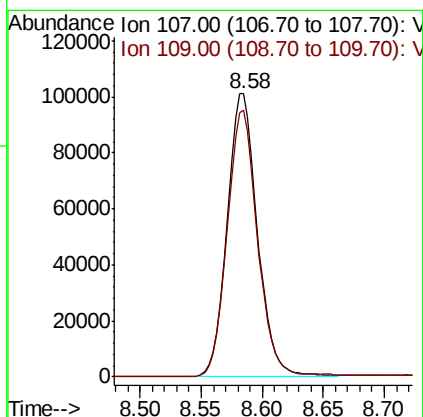
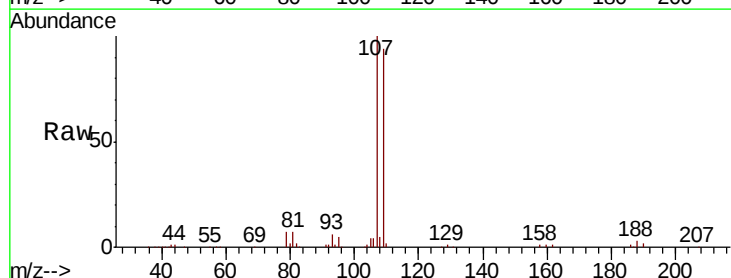
Instrument :
 MSVOA_U
 ClientSampleId :

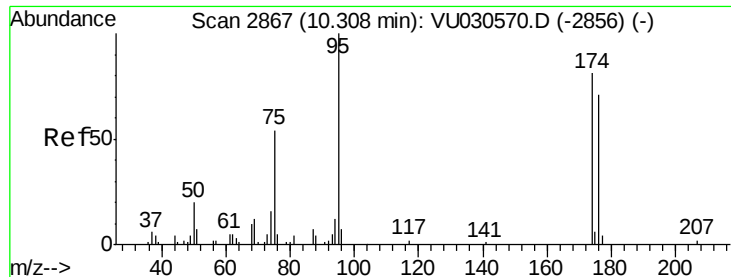
Tot Ion:129 Resp: 221484
 Ion Ratio Lower Upper
 129 100
 127 77.8 62.2 93.4



#56
 1,2-Dibromoethane
 Concen: 14.997 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion:107 Resp: 176012
 Ion Ratio Lower Upper
 107 100
 109 93.9 0.0 190.0

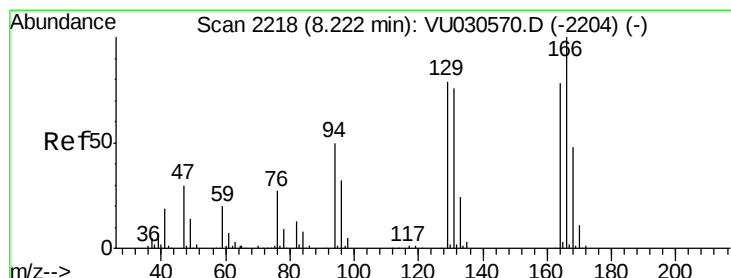
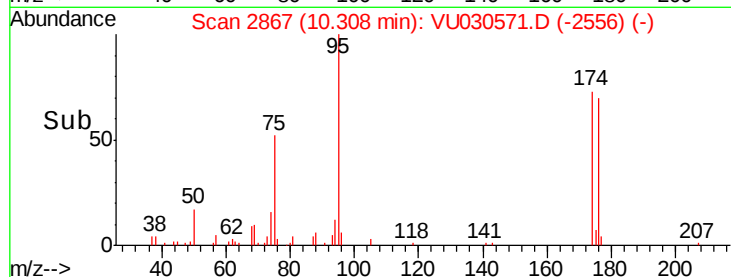
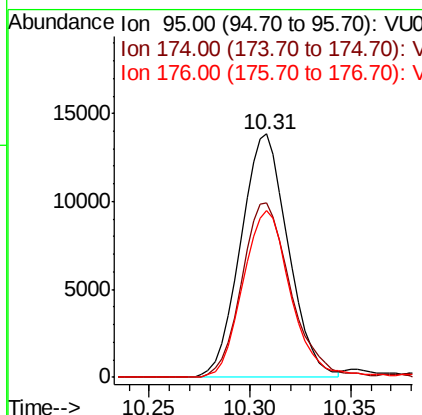
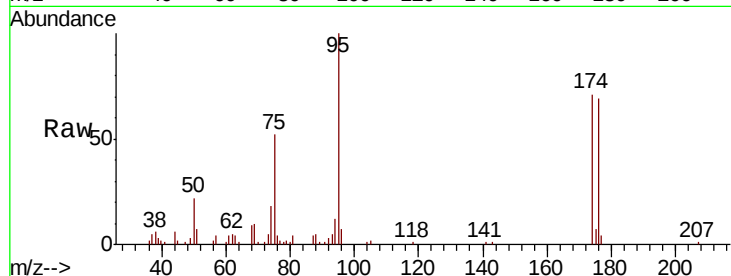




#57
4-Bromofluorobenzene
Concen: 14.997 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

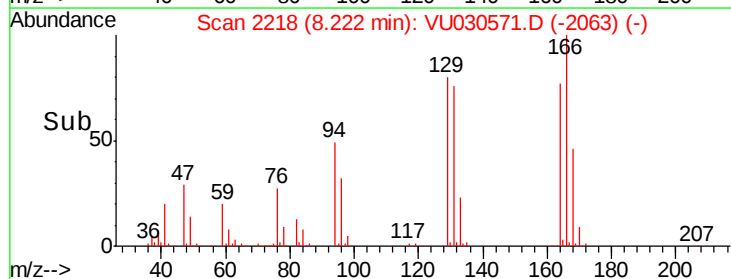
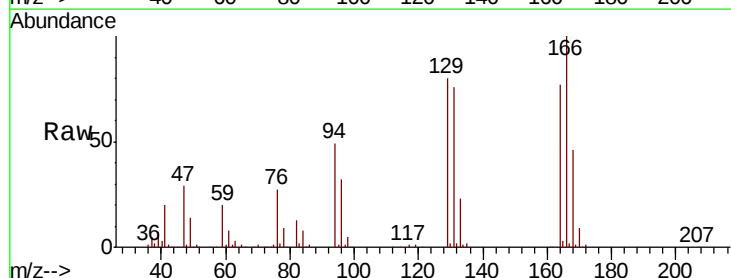
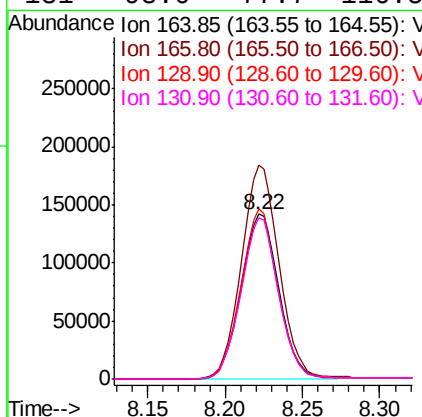
Instrument :
MSVOA_U
ClientSampled :

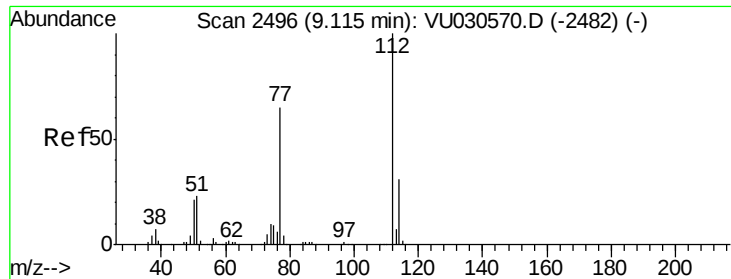
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.9	60.5	90.7
176	69.4	57.9	86.9



#58
Tetrachloroethene
Concen: 14.290 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.4	153.6
129	103.6	81.4	122.0
131	98.0	77.7	116.5





#59

Chlorobenzene

Concen: 15.009 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

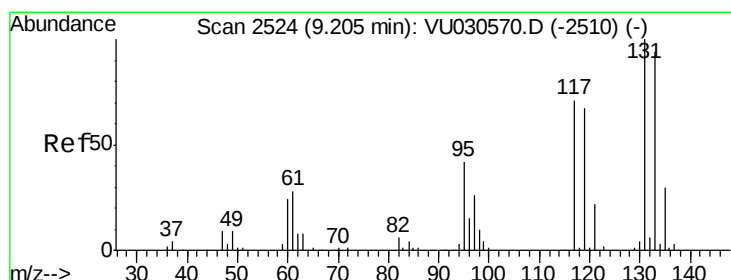
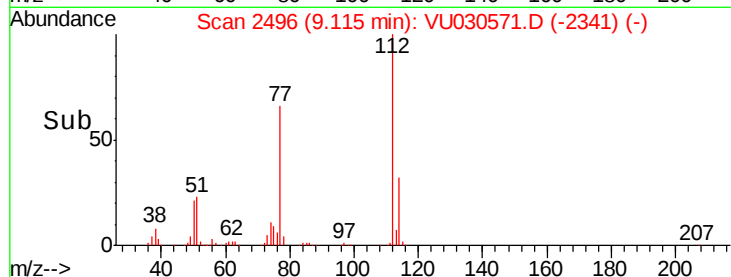
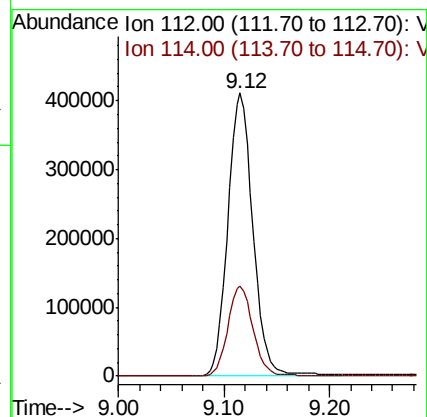
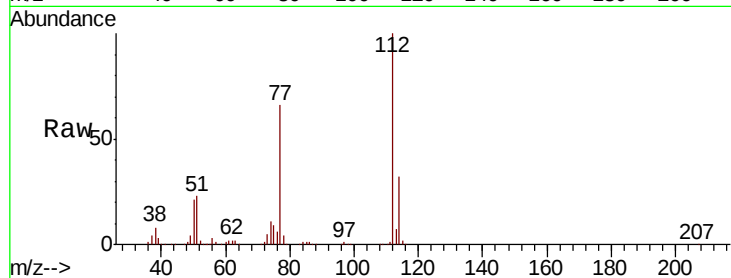
ClientSampleId :

Tot Ion:112 Resp: 678959

Ion Ratio Lower Upper

112 100

114 31.8 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 15.020 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

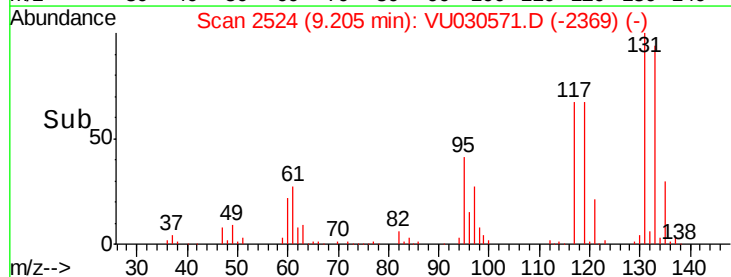
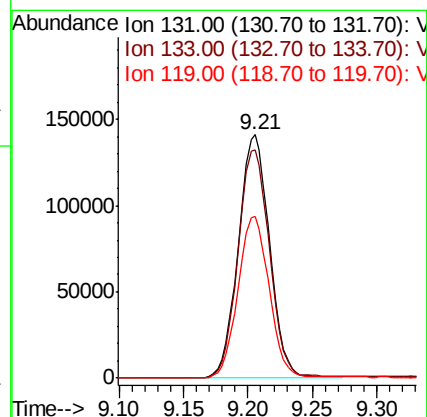
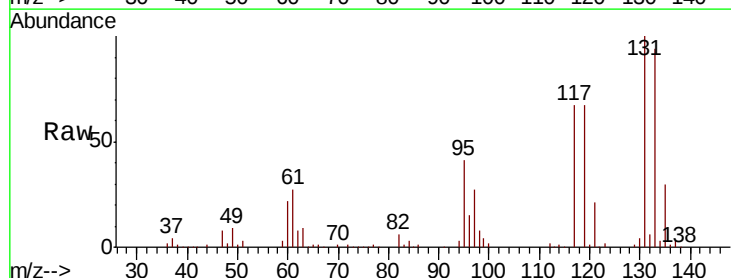
Tgt Ion:131 Resp: 238385

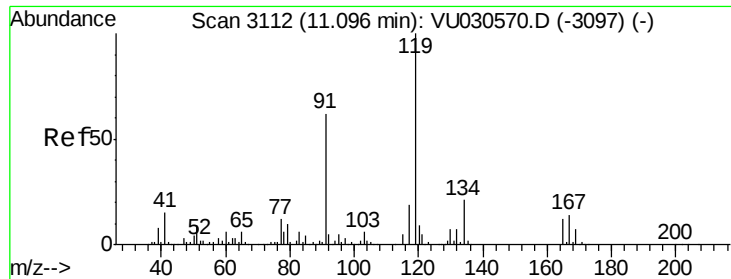
Ion Ratio Lower Upper

131 100

133 94.6 77.5 116.3

119 66.2 53.2 79.8





#61

Pentachloroethane

Concen: 14.780 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

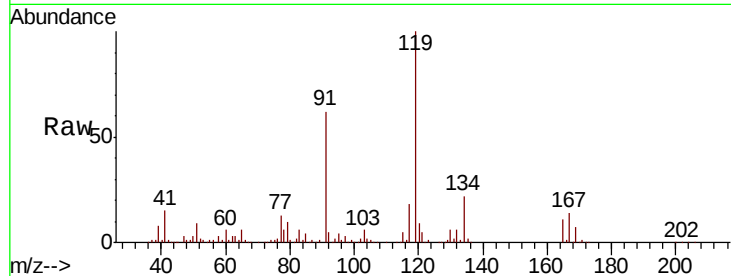
ClientSampled :

Tot Ion:117 Resp: 182617

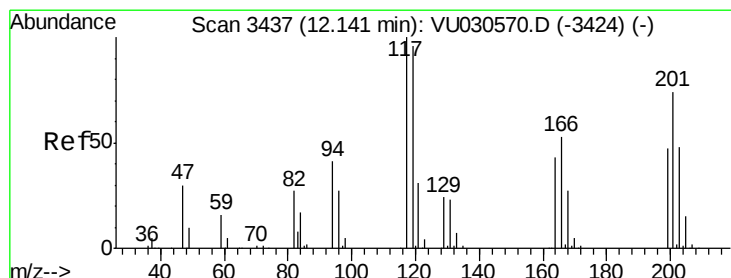
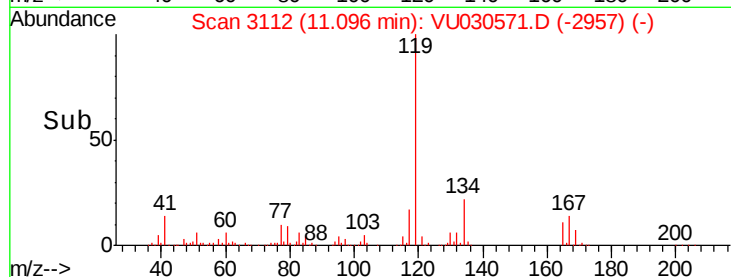
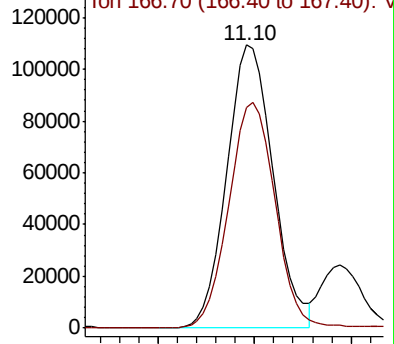
Ion Ratio Lower Upper

117 100

167 79.9 62.6 93.8



Abundance Ion 116.80 (116.50 to 117.50): V



#62

Hexachloroethane

Concen: 13.690 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU030571.D

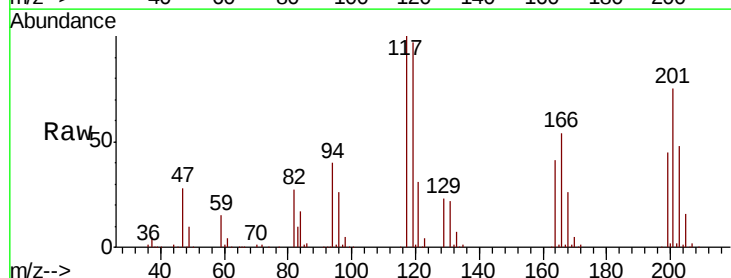
Acq: 30 Mar 2019 12:09

Tgt Ion:117 Resp: 165474

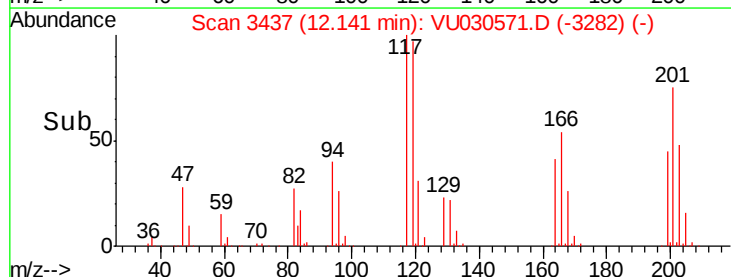
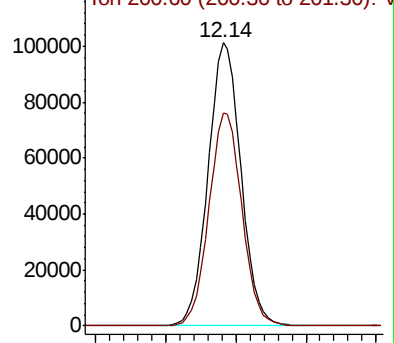
Ion Ratio Lower Upper

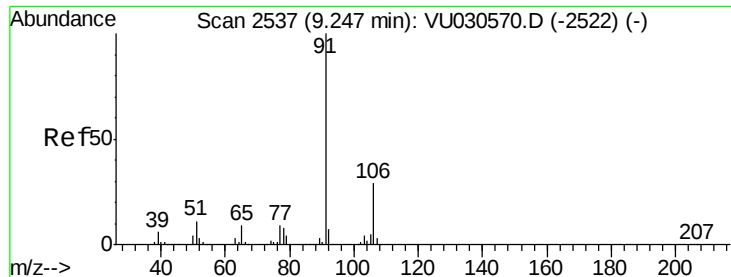
117 100

201 75.3 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

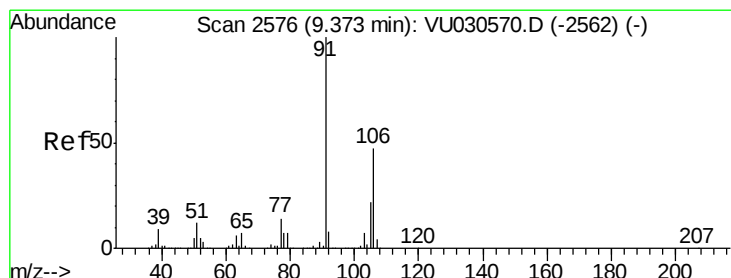
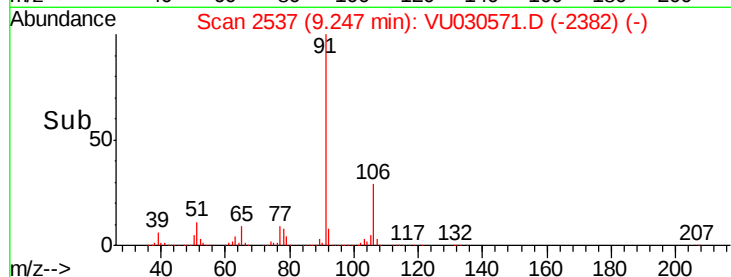
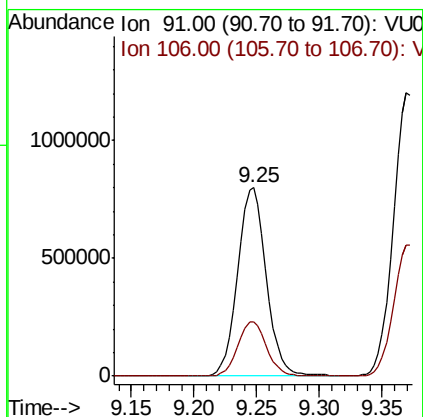
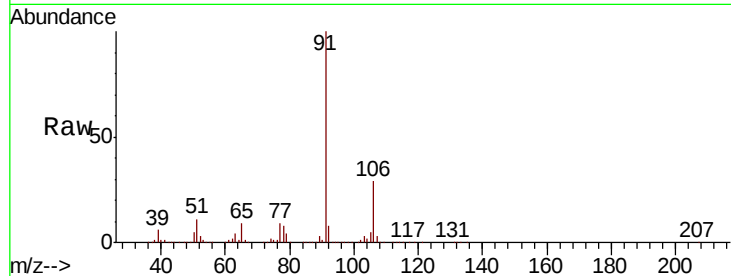




#63
Ethyl Benzene
Concen: 16.843 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

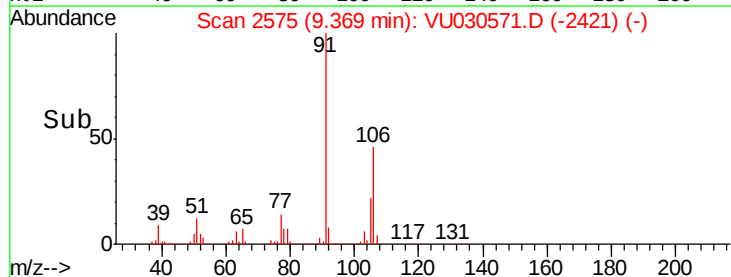
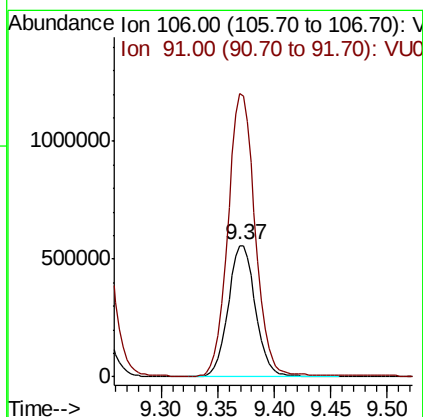
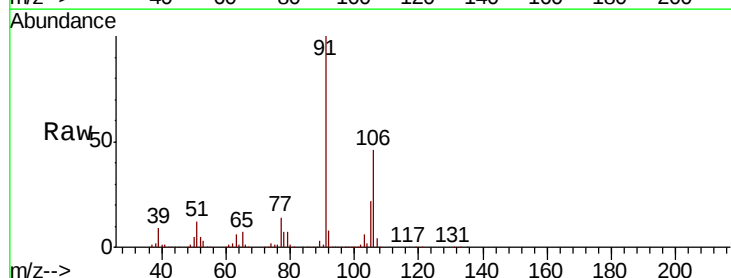
Instrument :
MSVOA_U
ClientSampleId :

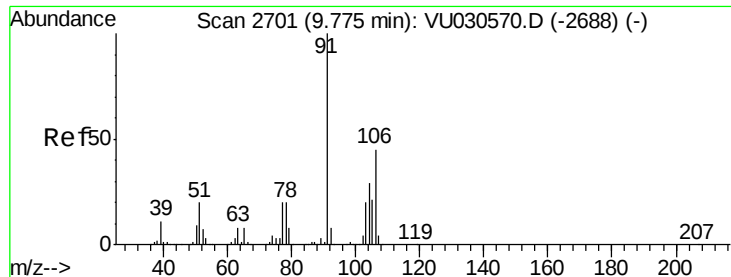
Tot Ion: 91 Resp: 1269689
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#64
m/p-Xylenes
Concen: 32.013 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 106 Resp: 932494
Ion Ratio Lower Upper
106 100
91 213.8 179.4 269.0

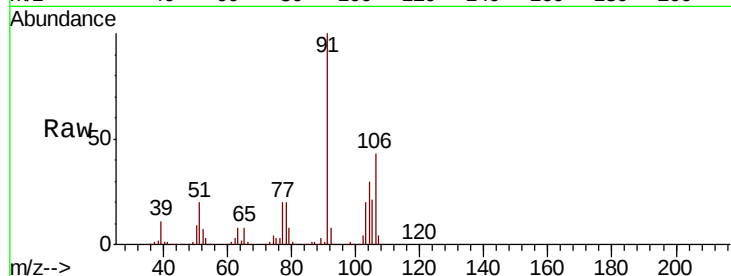




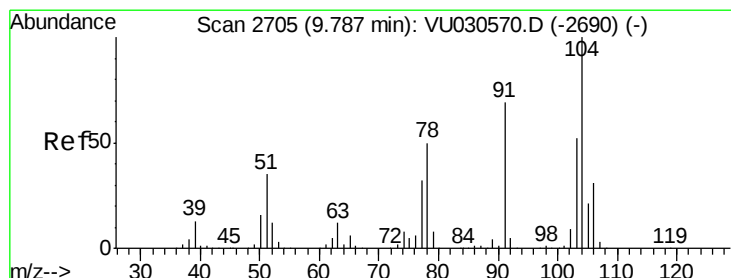
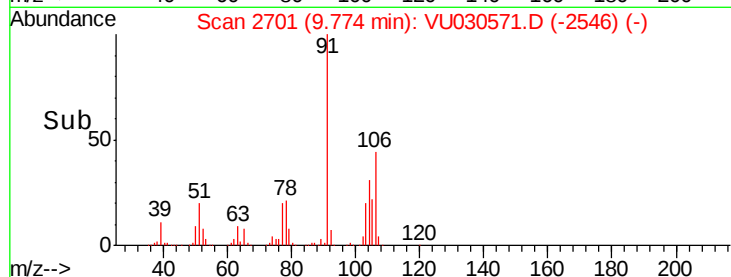
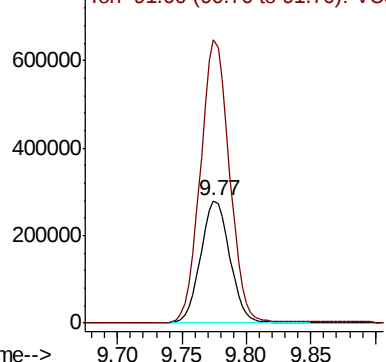
#65
o-Xylene
Concen: 15.530 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 443283
Ion Ratio Lower Upper
106 100
91 230.1 115.5 346.4

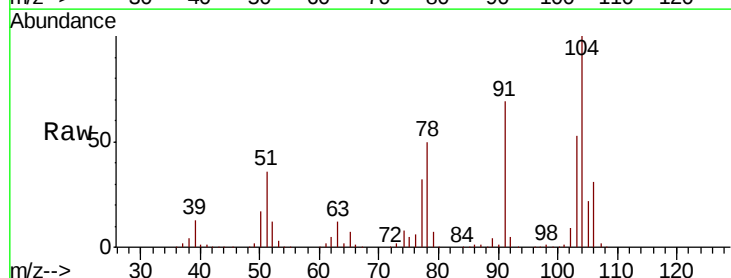


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

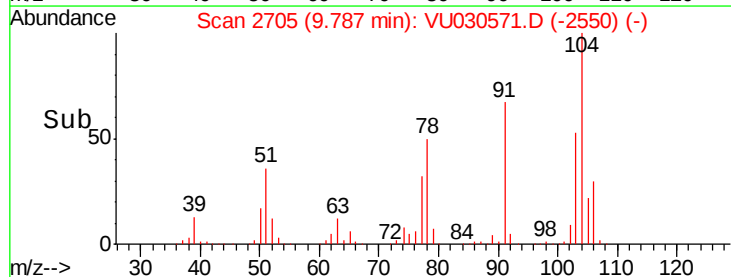
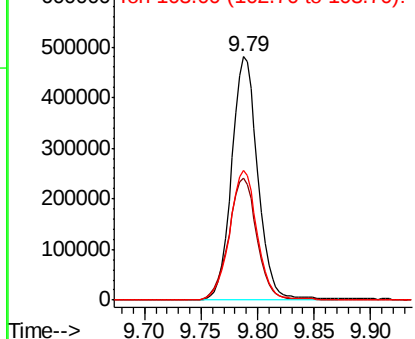


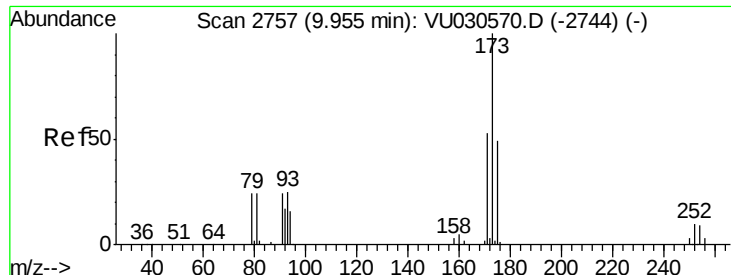
#66
Styrene
Concen: 16.481 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion:104 Resp: 777317
Ion Ratio Lower Upper
104 100
78 54.2 42.3 63.5
103 56.3 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 14.991 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :

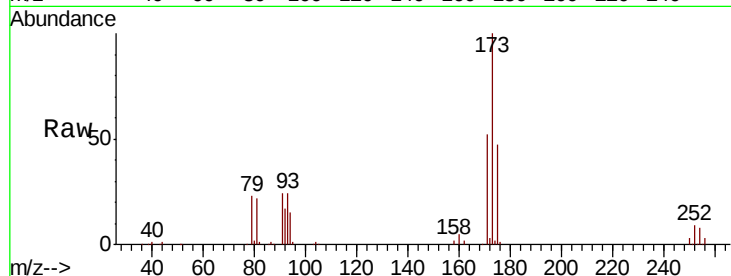
Tot Ion:173 Resp: 124541

Ion Ratio Lower Upper

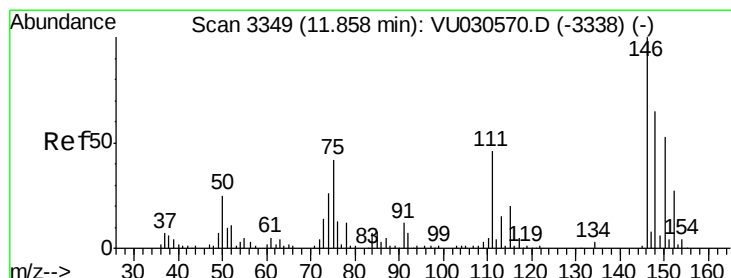
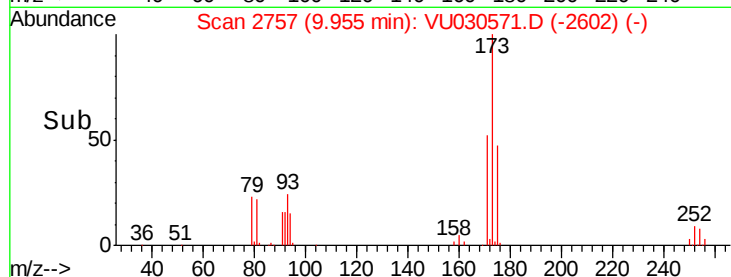
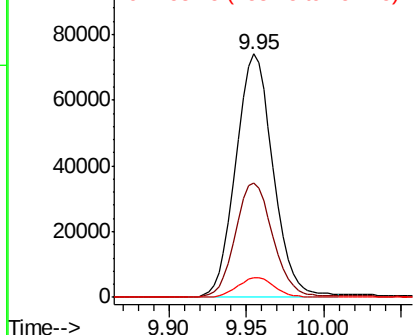
173 100

175 47.2 38.6 57.8

254 8.0 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 14.991 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

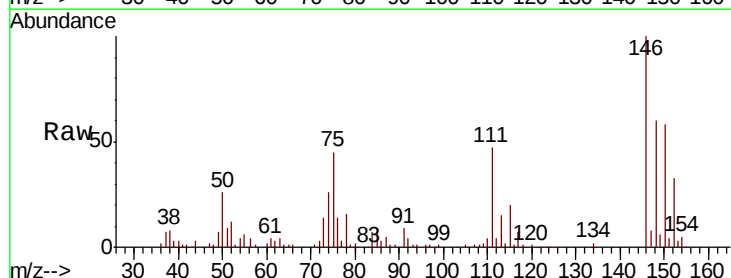
Tgt Ion:152 Resp: 21014

Ion Ratio Lower Upper

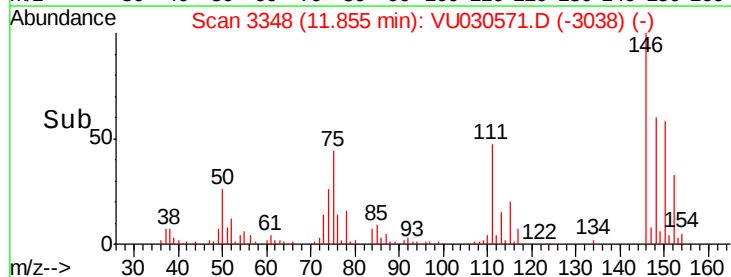
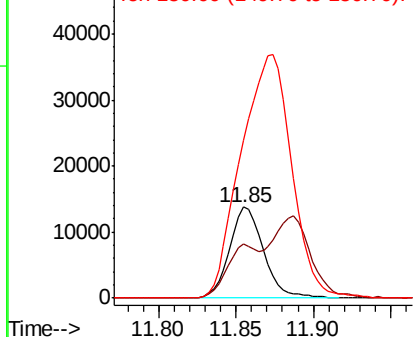
152 100

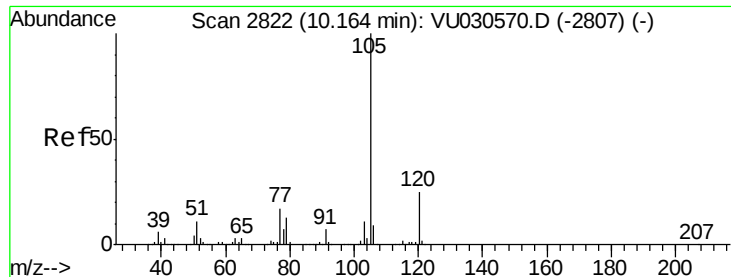
115 52.3 0.0 136.2

150 0.0 0.0 634.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 16.133 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

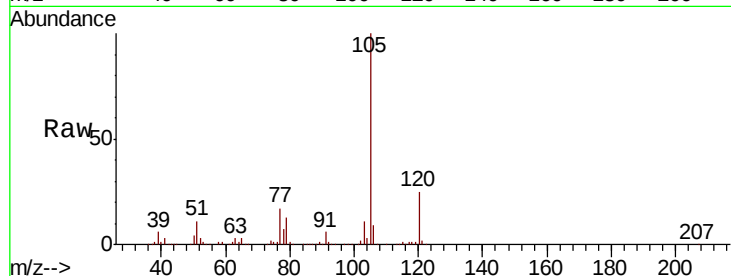
ClientSampleId :

Tot Ion:105 Resp: 1212097

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

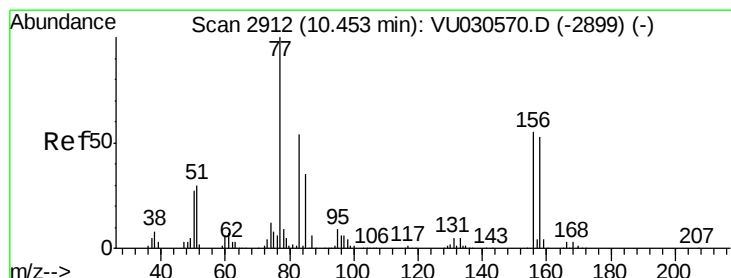
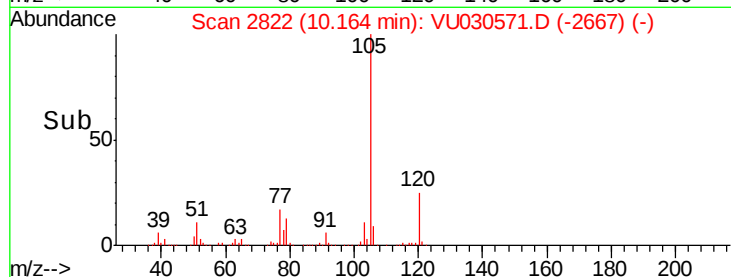
200000

0

10.10

10.20

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 16.589 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

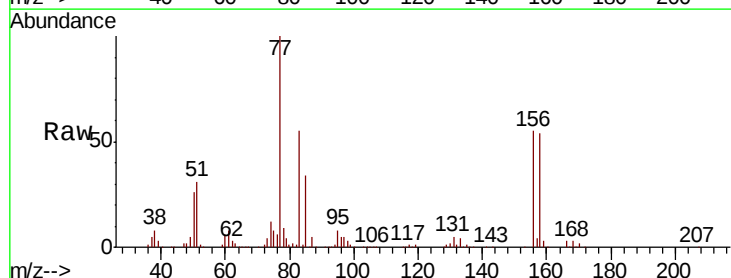
Tgt Ion: 83 Resp: 255953

Ion Ratio Lower Upper

83 100

131 8.9 7.0 10.6

85 63.3 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

200000

150000

100000

50000

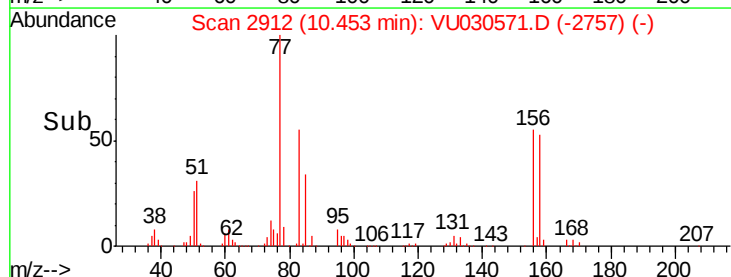
0

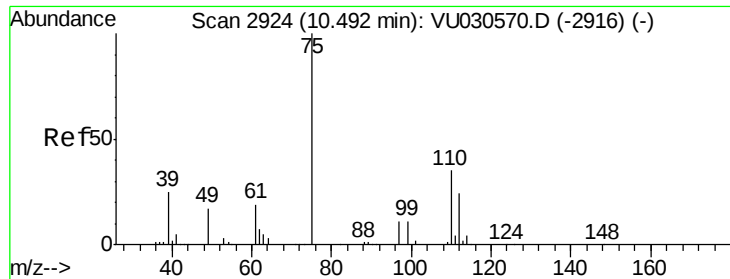
10.40

10.50

10.60

Time-->

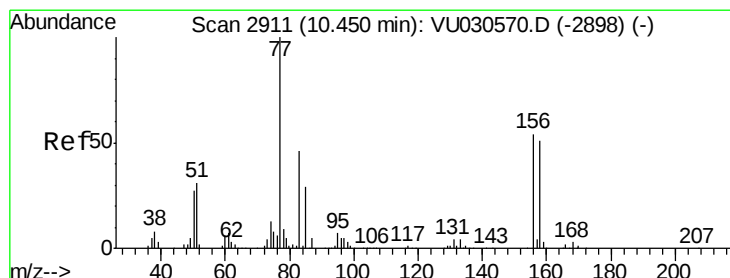
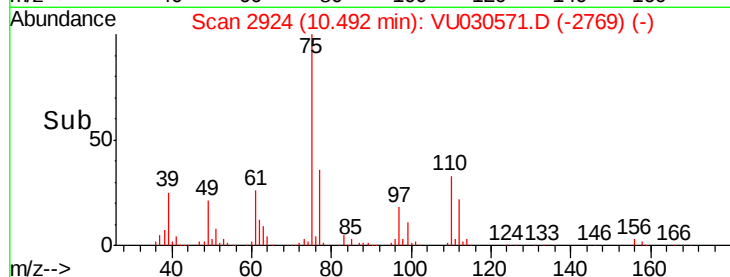
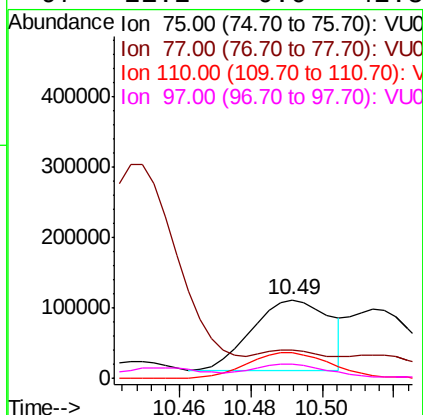
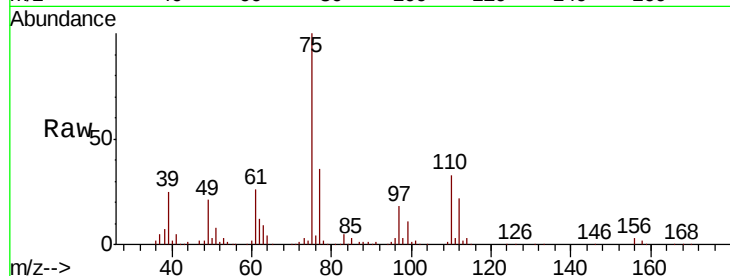




#71
 1,2,3-Trichloropropane
 Concen: 13.434 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

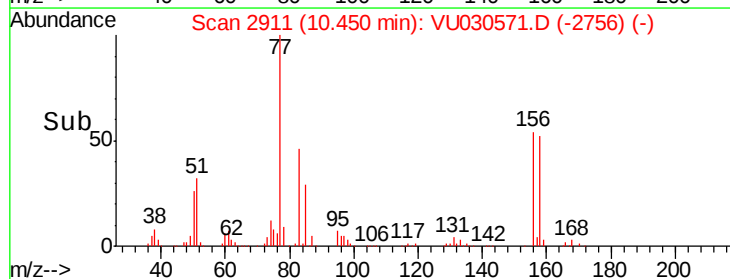
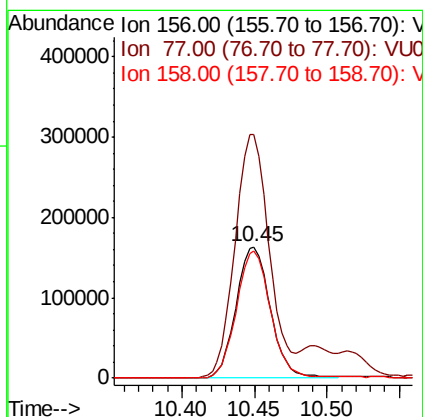
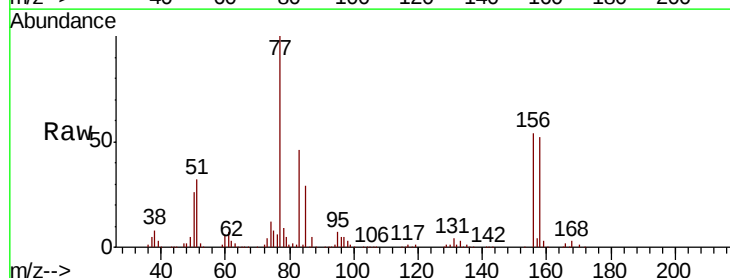
Instrument :
 MSVOA_U
 ClientSampleId :

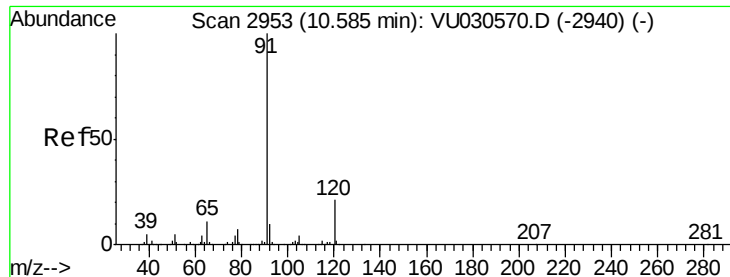
Tot Ion	75	Resp:	150355
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	40.3	0.0	83.8
97	21.2	0.0	42.8



#72
 Bromobenzene
 Concen: 13.928 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	156	Resp:	268530
Ion	Ratio	Lower	Upper
156	100		
77	186.5	0.0	363.0
158	96.8	0.0	193.2





#73

n-propylbenzene

Concen: 15.011 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

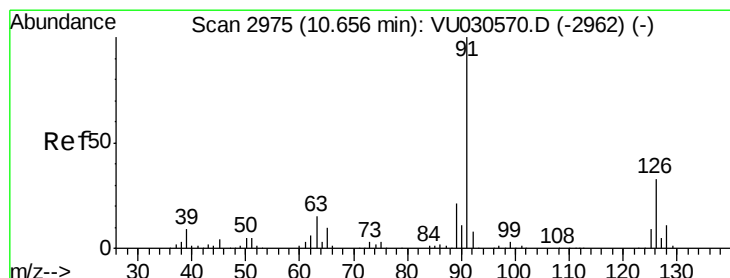
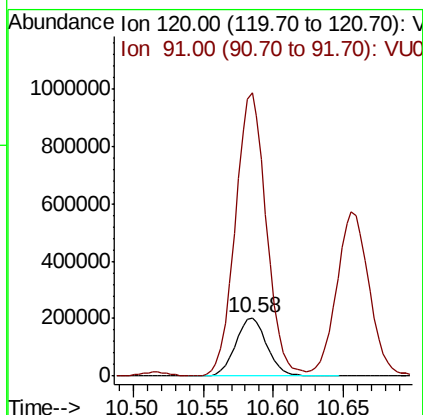
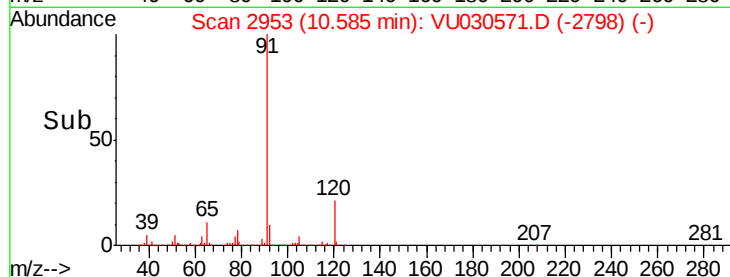
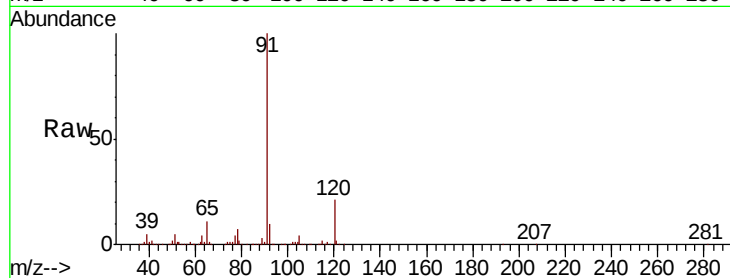
ClientSampleId :

Tot Ion:120 Resp: 315955

Ion Ratio Lower Upper

120 100

91 480.2 371.6 557.4



#74

2-Chlorotoluene

Concen: 15.104 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030571.D

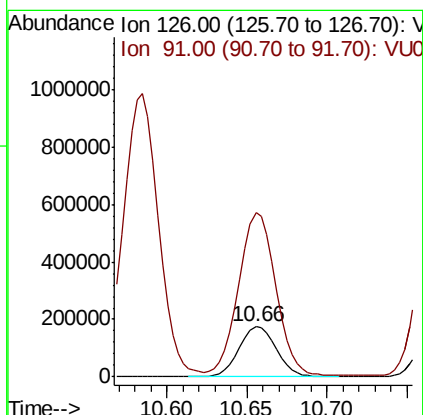
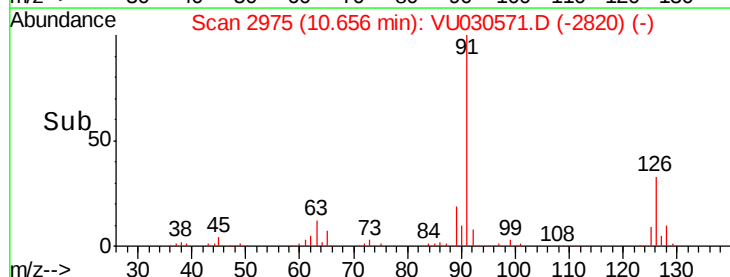
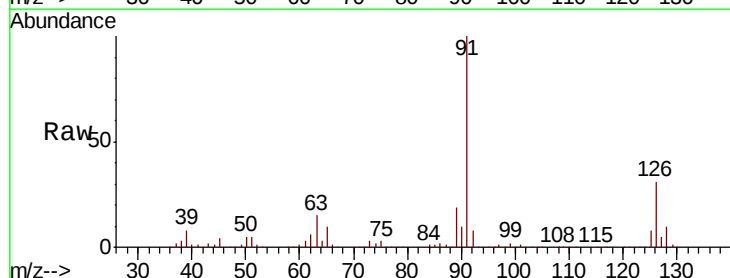
Acq: 30 Mar 2019 12:09

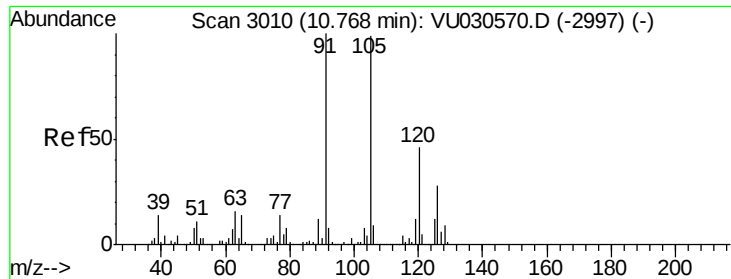
Tgt Ion:126 Resp: 279558

Ion Ratio Lower Upper

126 100

91 319.9 0.0 656.8





#75

1,3,5-Trimethylbenzene

Concen: 16.228 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

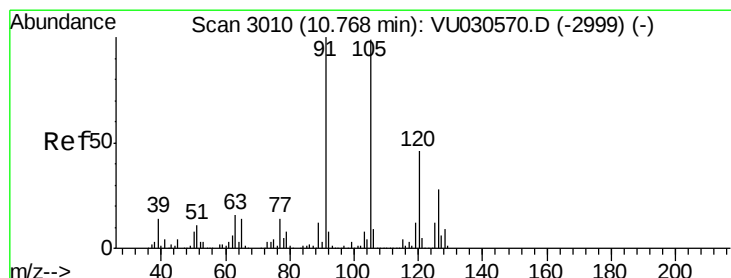
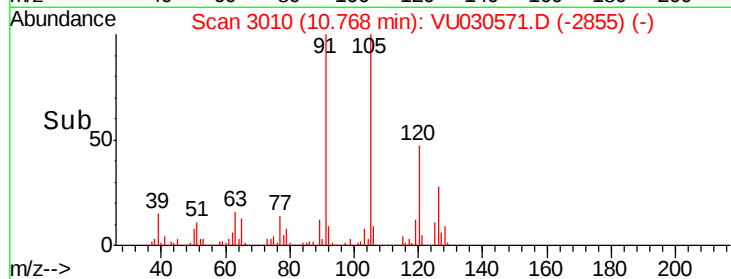
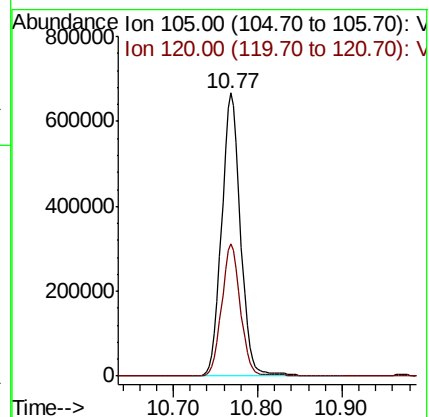
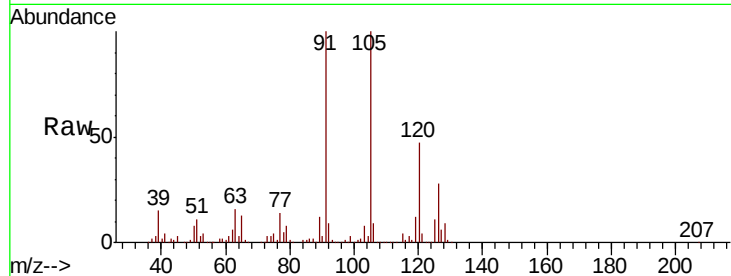
ClientSampleId :

Tot Ion:105 Resp: 1034654

Ion Ratio Lower Upper

105 100

120 46.5 37.6 56.4



#76

4-Chlorotoluene

Concen: 15.670 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030571.D

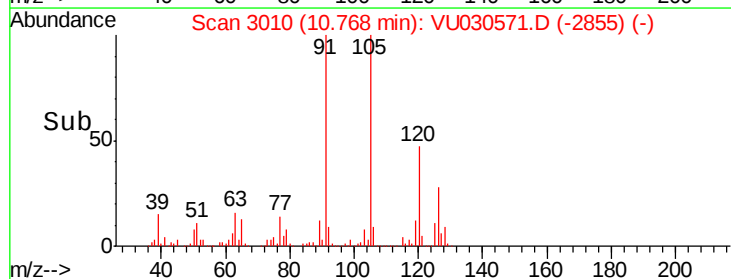
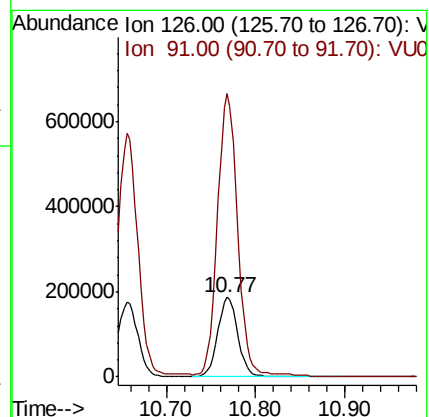
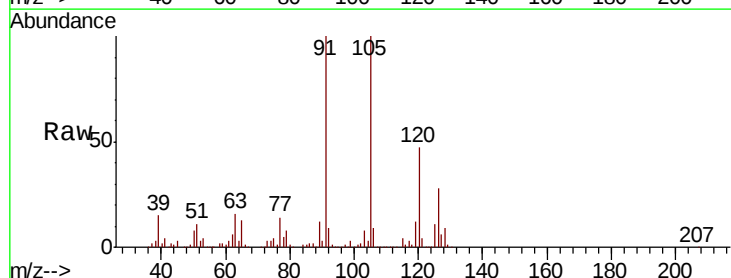
Acq: 30 Mar 2019 12:09

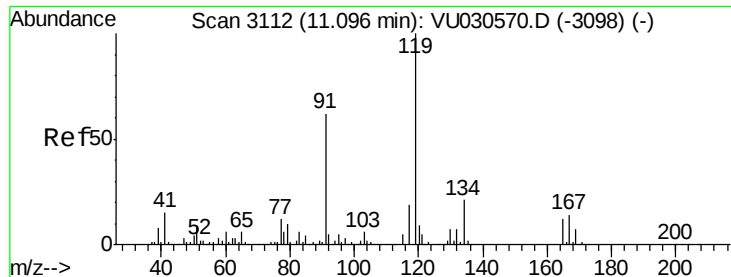
Tgt Ion:126 Resp: 295039

Ion Ratio Lower Upper

126 100

91 356.0 0.0 721.6

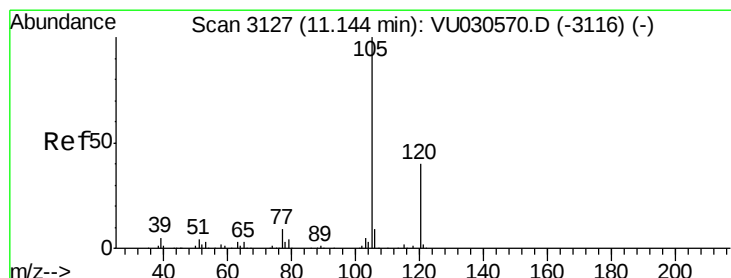
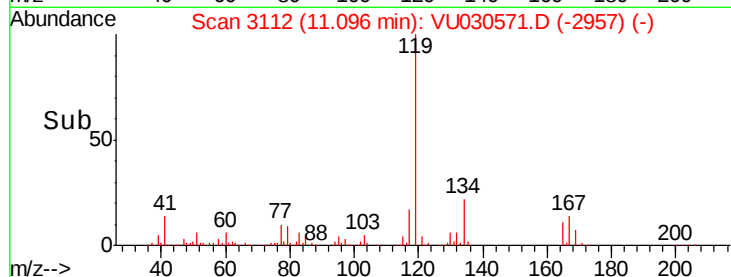
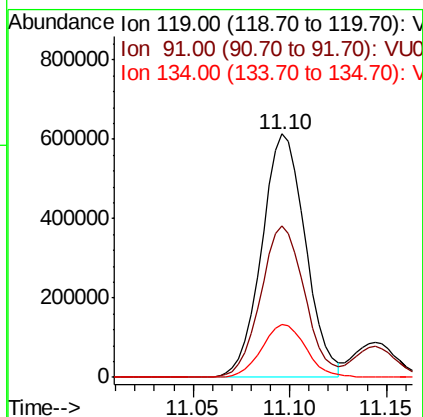
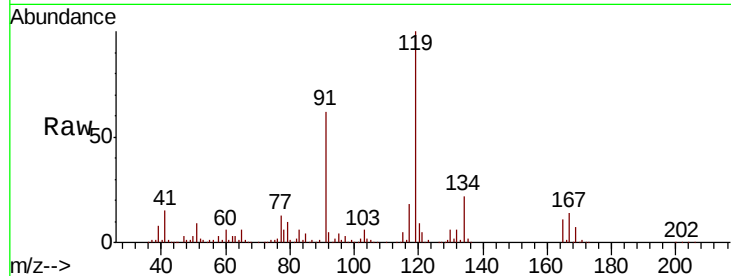




#77
tert-Butylbenzene
Concen: 15.490 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

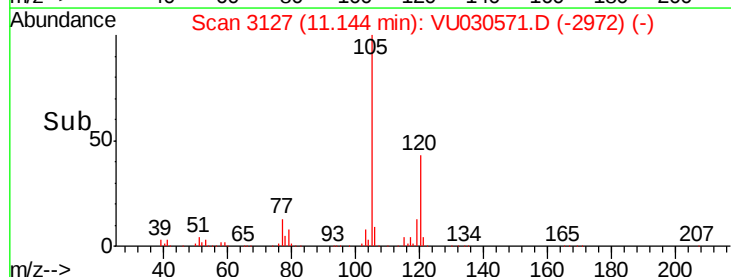
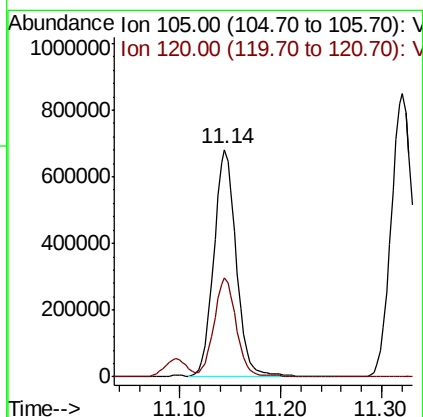
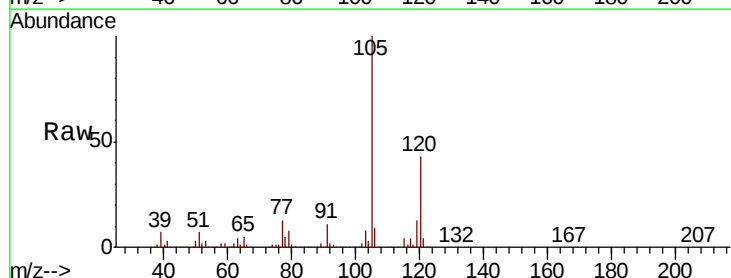
Instrument :
MSVOA_U
ClientSampled :

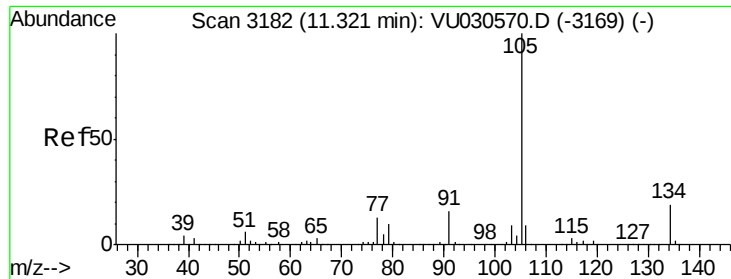
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	30.9	92.8
134	22.3	17.6	26.4



#78
1,2,4-Trimethylbenzene
Concen: 16.228 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#79

sec-Butylbenzene

Concen: 15.972 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

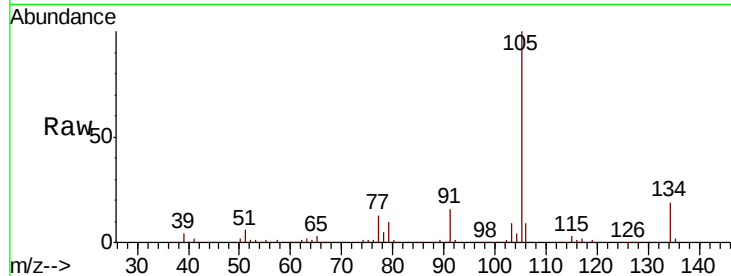
ClientSampleId :

Tot Ion:105 Resp: 1329870

Ion Ratio Lower Upper

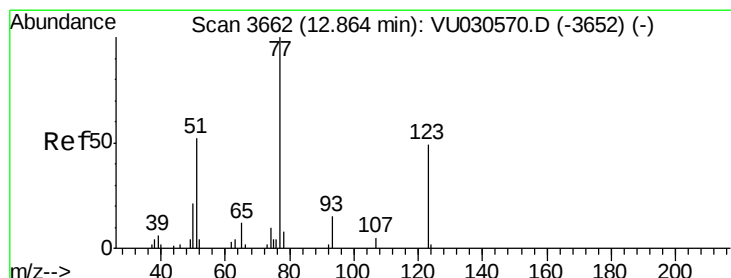
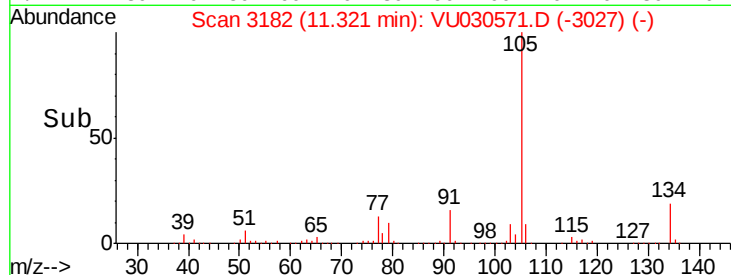
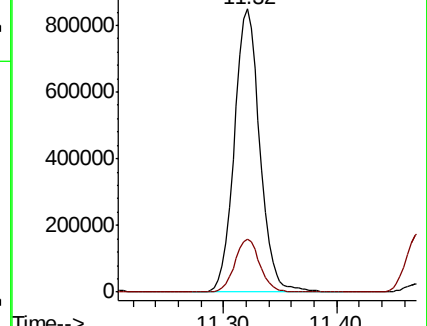
105 100

134 18.6 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 81.155 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

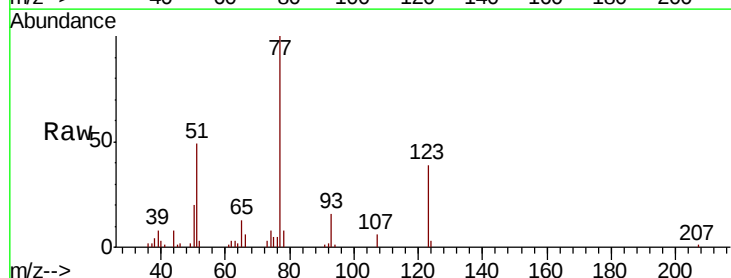
Tgt Ion: 77 Resp: 21550

Ion Ratio Lower Upper

77 100

123 39.2 17.5 62.1

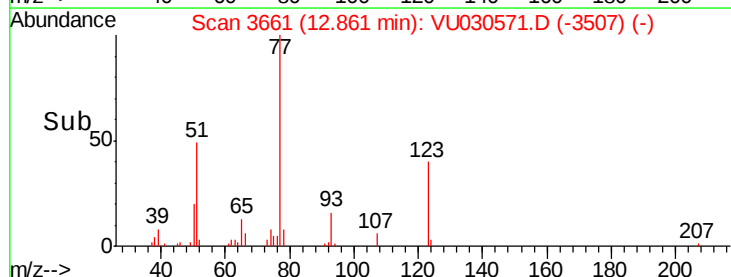
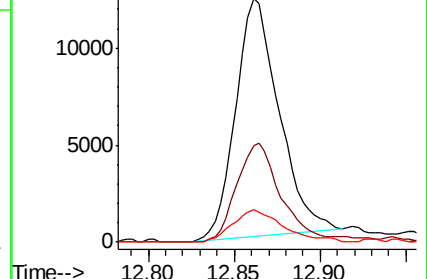
65 15.7 8.1 10.3#

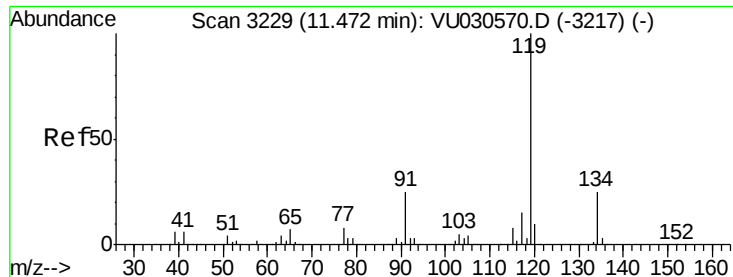


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 15.178 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

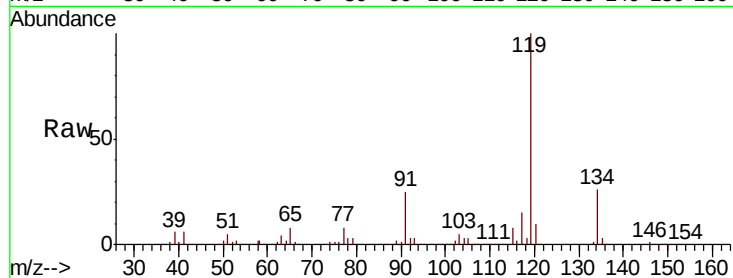
Tot Ion:119 Resp: 1045729

Ion Ratio Lower Upper

119 100

134 25.9 20.6 31.0

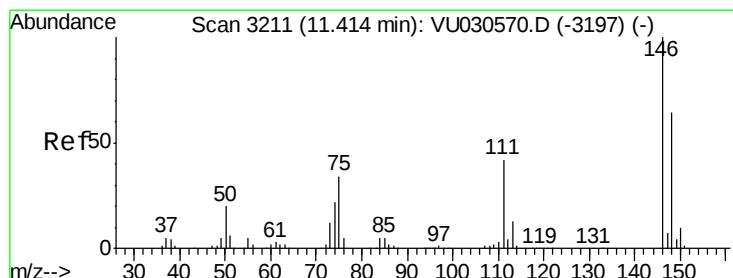
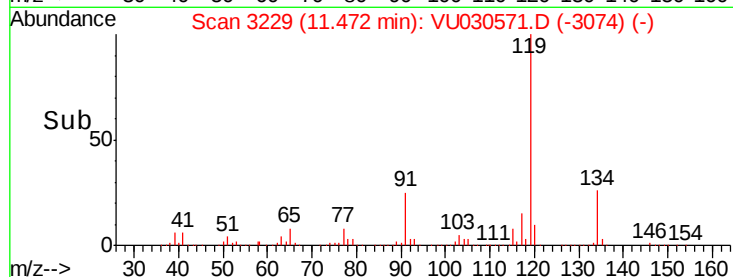
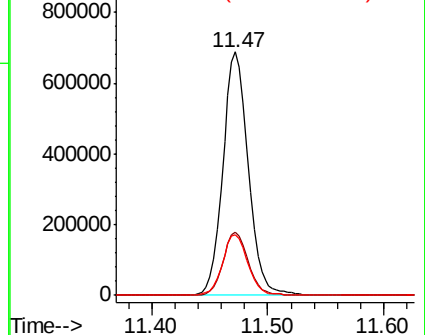
91 25.0 20.4 30.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 13.756 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

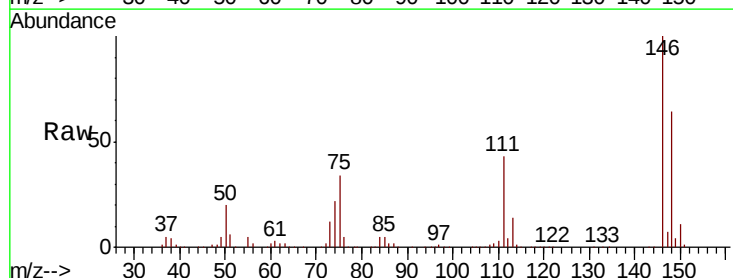
Tgt Ion:146 Resp: 534866

Ion Ratio Lower Upper

146 100

111 42.4 34.0 51.0

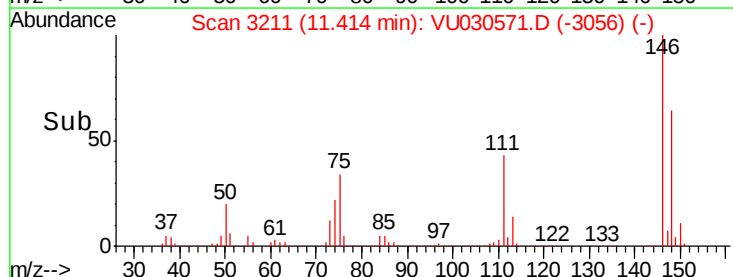
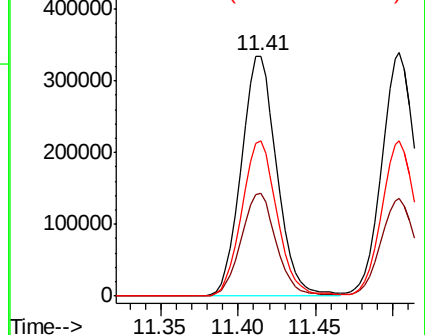
148 64.5 51.0 76.6

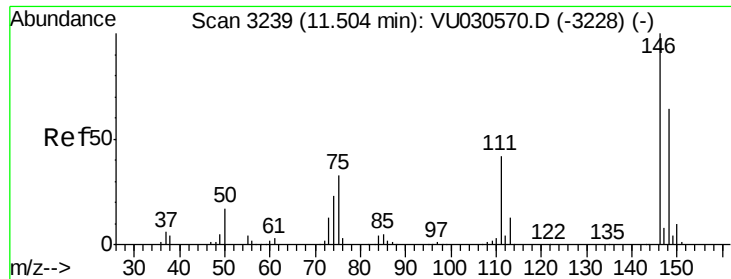


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 13.686 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampled :

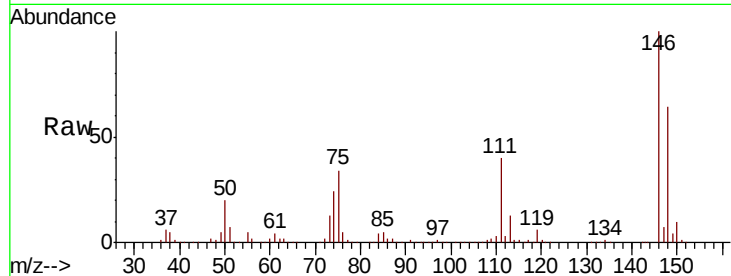
Tot Ion:146 Resp: 534923

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

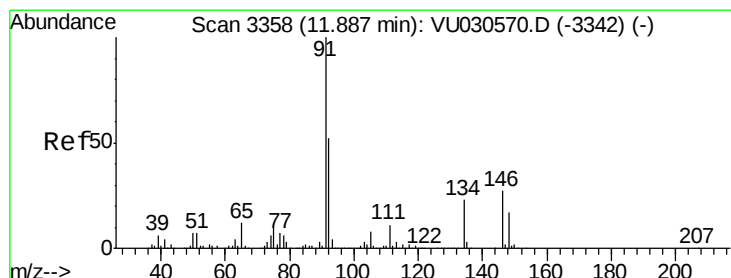
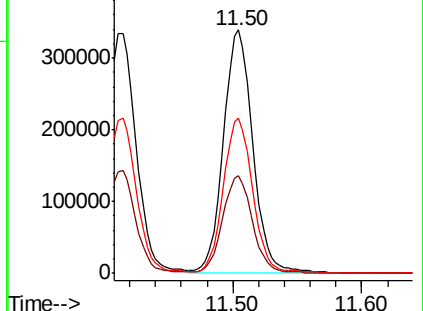
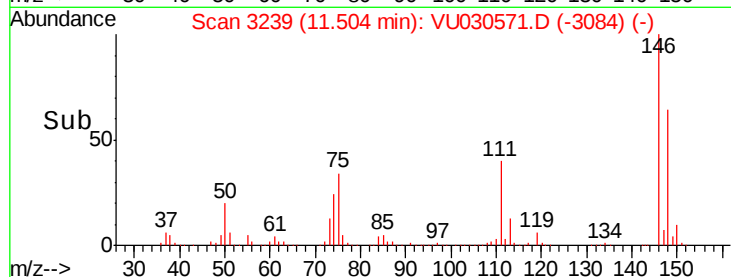
148 64.2 50.5 75.7



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



#84

n-Butylbenzene

Concen: 15.751 ug/l

RT: 11.89 min Scan# 3358

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

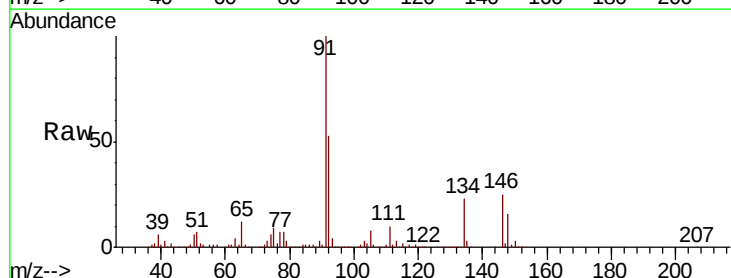
Tgt Ion: 91 Resp: 1021239

Ion Ratio Lower Upper

91 100

92 52.6 41.7 62.5

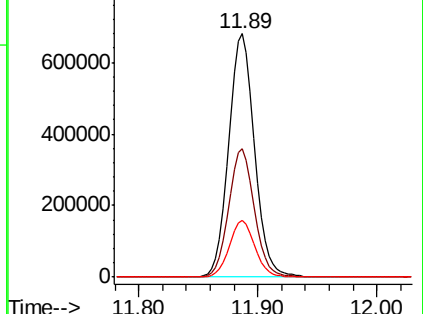
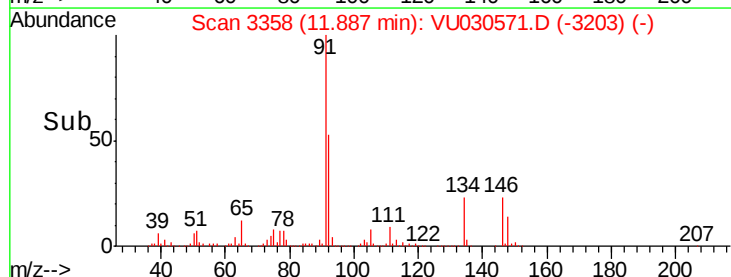
134 23.0 18.3 27.5

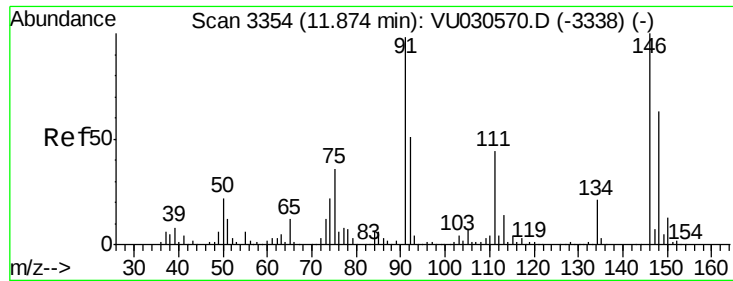


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

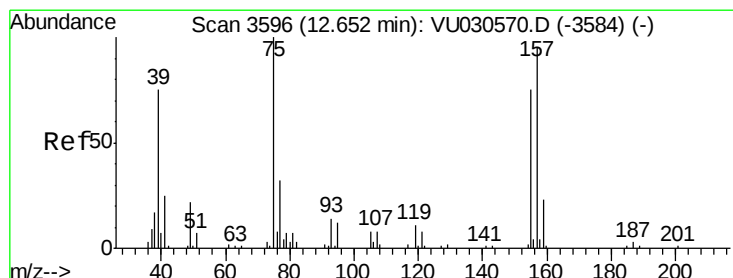
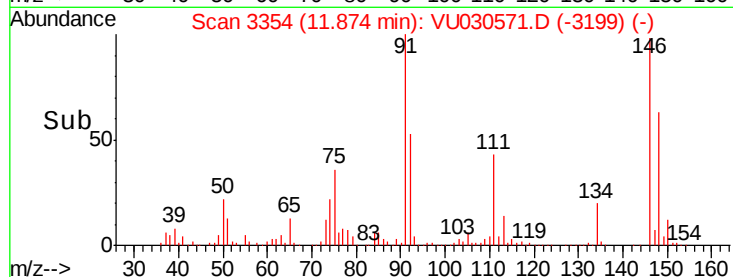
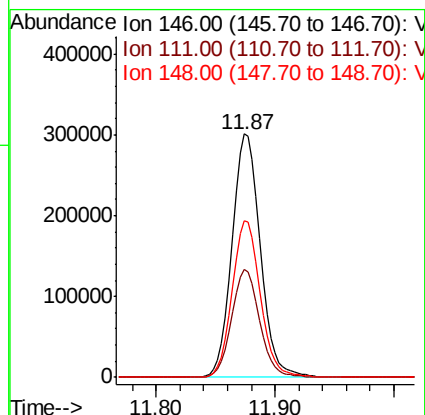
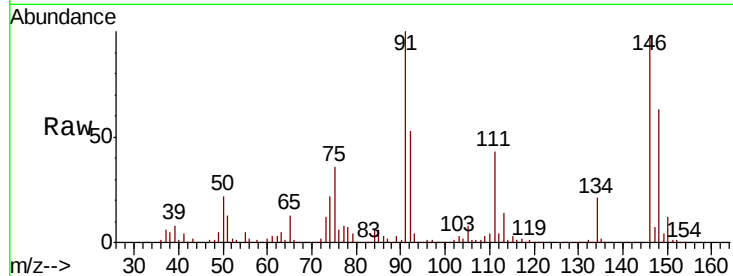




#85
 1,2-Dichlorobenzene
 Concen: 13.703 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

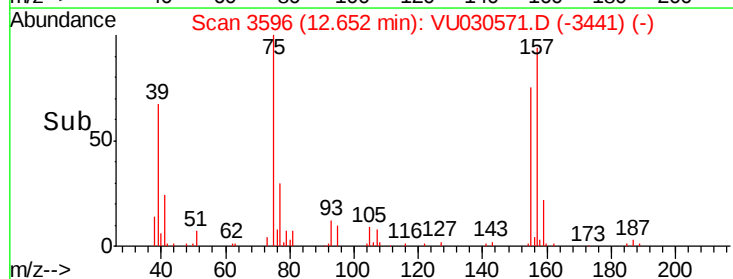
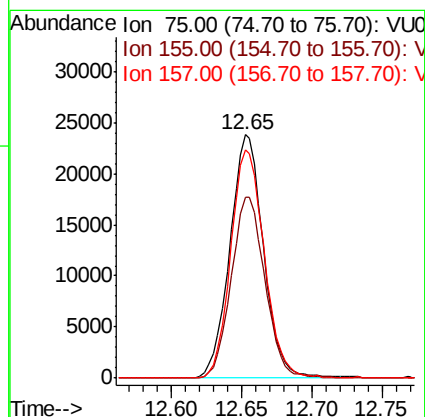
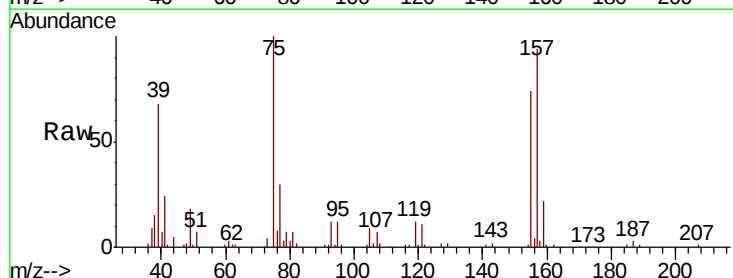
Instrument :
 MSVOA_U
 ClientSampleId :

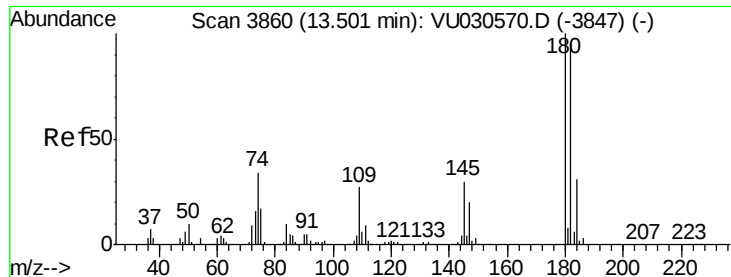
Tot Ion:146 Resp: 496709
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.5
 148 64.2 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 17.879 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion: 75 Resp: 39723
 Ion Ratio Lower Upper
 75 100
 155 74.6 59.7 89.5
 157 93.4 73.7 110.5

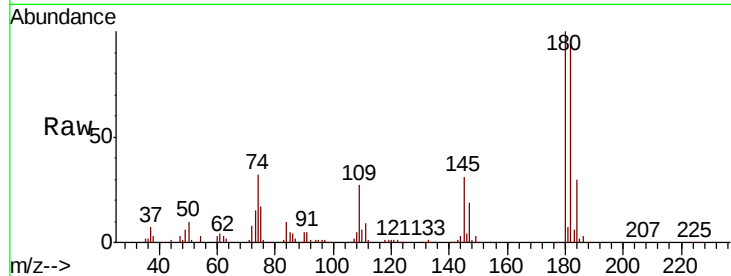




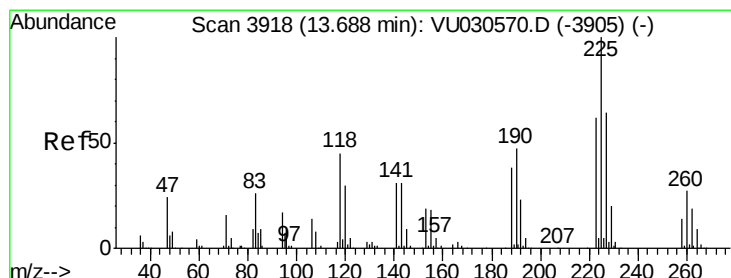
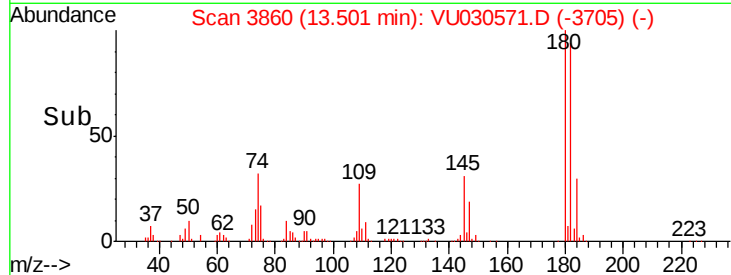
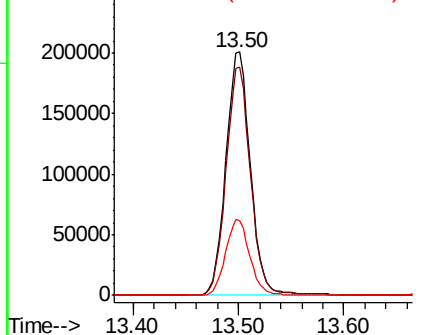
#87
 1,2,4-Trichlorobenzene
 Concen: 12.708 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 322595
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.0 114.0
 145 31.0 24.3 36.5

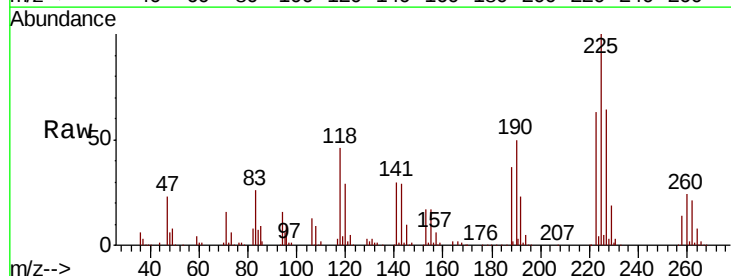


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

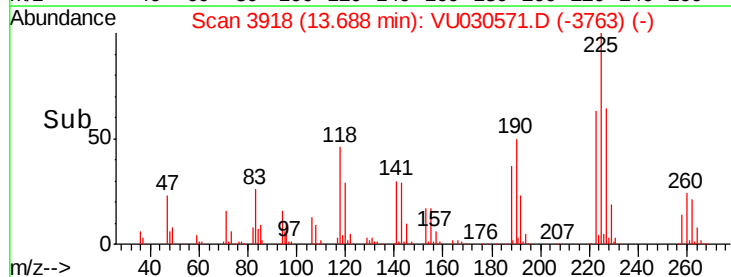
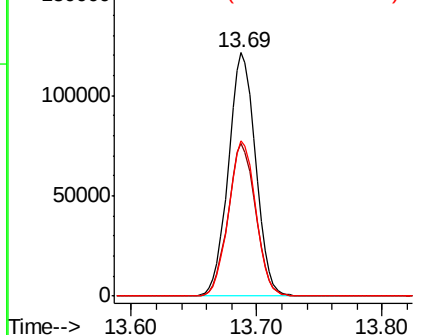


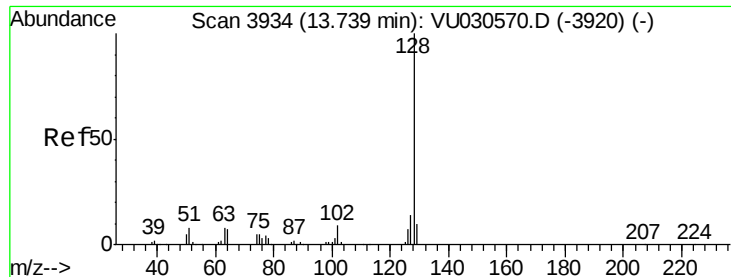
#88
 Hexachlorobutadiene
 Concen: 13.006 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion:225 Resp: 182654
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.7 76.1
 227 63.7 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 14.578 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

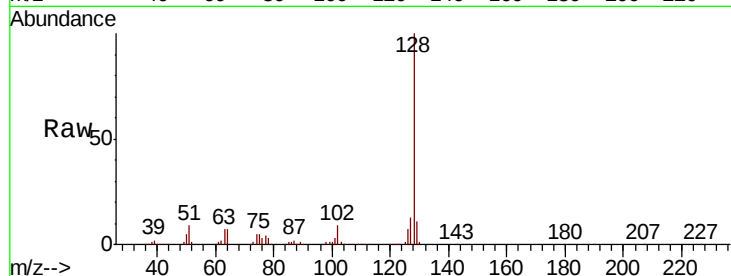
Tot Ion:128 Resp: 580618

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

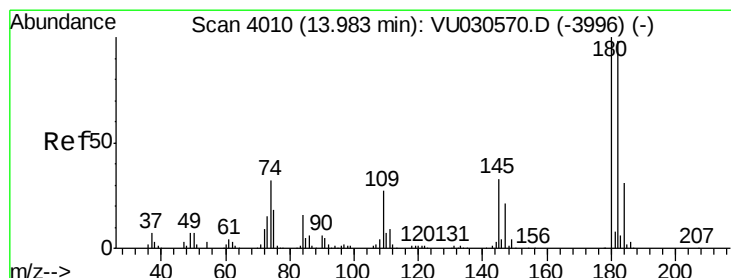
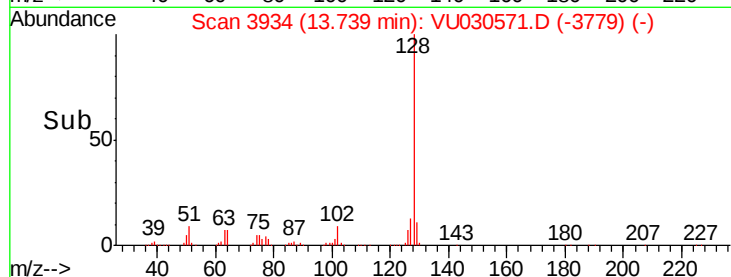
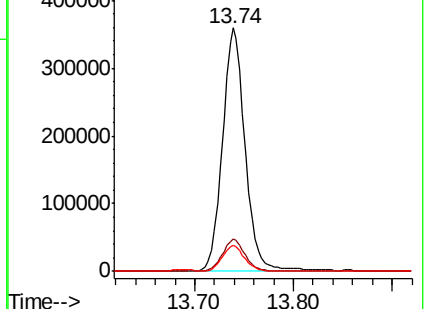
129 10.3 7.8 11.8



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



#90

1,2,3-Trichlorobenzene

Concen: 12.608 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

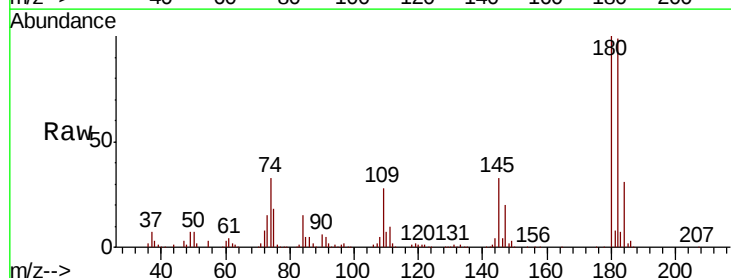
Tgt Ion:180 Resp: 291716

Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

145 32.5 25.9 38.9



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

