

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030575.D
 Acq On : 30 Mar 2019 15:58
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 01:11:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	54631	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21083	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21201	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	167354	7.283	ug/l	100
3) Chloromethane	1.33	50	288881	9.730	ug/l	99
4) Vinyl Chloride	1.40	62	240683	9.382	ug/l	99
5) Bromomethane	1.62	94	97757	8.835	ug/l	99
6) Chloroethane	1.69	64	142272	9.616	ug/l	98
7) Trichlorofluoromethane	1.88	101	289333	10.268	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165277	11.547	ug/l	100
9) 1,1-Dichloroethene	2.28	96	166368	11.549	ug/l	96
10) Iodomethane	2.41	142	97464	7.130	ug/l	99
11) Allyl Chloride	2.59	41	340126	10.838	ug/l	98
12) Acrylonitrile	2.93	53	223848	54.712	ug/l	97
13) Acetone	2.32	43	292006	76.180	ug/l	99
14) Carbon Disulfide	2.47	76	572594	10.879	ug/l	100
15) Methylene Chloride	2.69	84	191705	10.493	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	178039	10.940	ug/l	98
17) 1,1-Dichloroethane	3.43	63	358884	10.861	ug/l	99
18) 2-Butanone	4.28	43	338121	68.231	ug/l	99
19) Cyclohexane	4.98	56	296076	10.621	ug/l	89
20) Methylcyclohexane	6.41	83	301509	12.327	ug/l	99
21) 2,2-Dichloropropane	4.22	77	283347	11.156	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	192414	11.010	ug/l	98
23) Diethyl Ether	2.10	59	143427	10.476	ug/l	99
24) tert-Butyl Alcohol	2.84	59	81719	57.658	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	461377	11.063	ug/l	98
26) Bromochloromethane	4.54	128	70676	10.327	ug/l	99
27) Chloroform	4.67	83	336298	10.894	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	283442	11.123	ug/l	99
29) 1,1-Dichloropropene	5.13	75	253868	11.108	ug/l	99
30) Carbon Tetrachloride	5.13	117	241212	11.341	ug/l	99
31) Isopropyl Ether	3.58	45	644321	11.707	ug/l #	1
34) Propionitrile	4.33	54	166176	123.352	ug/l #	96
35) Benzene	5.38	78	763802	11.300	ug/l	99
36) 1,2-Dichloroethane	5.40	62	225960	10.944	ug/l	100
37) Trichloroethene	6.18	130	177287	10.933	ug/l	99
38) 1,2-Dichloropropane	6.43	63	210080	11.220	ug/l	98
39) Methacrylonitrile	4.55	41	73923	12.163	ug/l	96
40) Methyl acrylate	4.42	55	99769	12.004	ug/l #	95
41) Tetrahydrofuran	4.65	42	205298	59.551	ug/l	96
42) 1-Chlorobutane	5.06	56	388081	11.342	ug/l	98
43) Dibromomethane	6.56	93	95883	11.295	ug/l	99
44) Bromodichloromethane	6.75	83	250624	11.156	ug/l	99

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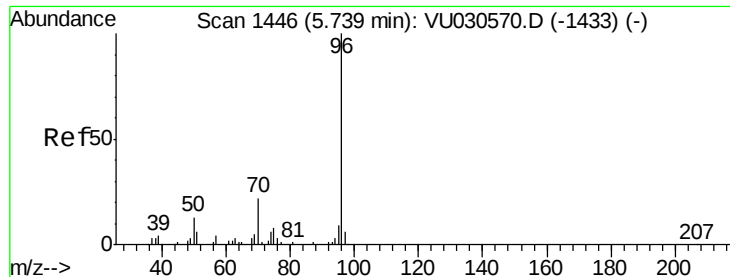
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 4-Methyl-2-Pentanone	7.46	43	692459	59.320	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	178953	47.769	ug/l #	43
47) Methyl methacrylate	6.62	69	92480	12.845	ug/l	98
48) Ethyl methacrylate	8.02	69	187396	13.275	ug/l	100
49) Toluene	7.63	92	443267	11.967	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	240239	12.761	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	285413	12.191	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	133904	11.575	ug/l	97
53) 1,3-Dichloropropane	8.24	76	237611	11.231	ug/l	99
54) 2-Hexanone	8.36	43	537108	68.130	ug/l	99
55) Dibromochloromethane	8.47	129	150957	11.255	ug/l	99
56) 1,2-Dibromoethane	8.58	107	127118	11.844	ug/l	97
58) Tetrachloroethene	8.22	164	156094	10.763	ug/l	99
59) Chlorobenzene	9.12	112	469321	11.726	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	160144	10.798	ug/l	98
61) Pentachloroethane	11.10	117	130278	11.389	ug/l	95
62) Hexachloroethane	12.14	117	129418	13.000	ug/l	100
63) Ethyl Benzene	9.25	91	889911	12.525	ug/l	98
64) m/p-Xylenes	9.37	106	654866	25.198	ug/l	94
65) o-Xylene	9.77	106	304334	12.180	ug/l	98
66) Styrene	9.79	104	550048	13.062	ug/l	99
67) Bromoform	9.95	173	89294	12.155	ug/l	98
69) Isopropylbenzene	10.16	105	851504	12.524	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	179602	11.089	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	178953	17.331	ug/l #	75
72) Bromobenzene	10.45	156	191619	11.746	ug/l	99
73) n-propylbenzene	10.58	120	220694	12.664	ug/l	97
74) 2-Chlorotoluene	10.66	126	191356	11.838	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	741949	12.982	ug/l	99
76) 4-Chlorotoluene	10.77	126	201902	12.287	ug/l	99
77) tert-Butylbenzene	11.10	119	665787	12.300	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	733717	12.950	ug/l	99
79) sec-Butylbenzene	11.32	105	859818	11.689	ug/l	99
80) Nitrobenzene	12.87	77	5207	23.861	ug/l #	89
81) p-Isopropyltoluene	11.47	119	744823	13.183	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	366171	11.233	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	373446	11.431	ug/l	99
84) n-Butylbenzene	11.89	91	742653	13.590	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	338382	11.031	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	29188	12.288	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	240656	13.743	ug/l	99
88) Hexachlorobutadiene	13.69	225	136132	12.329	ug/l	98
89) Naphthalene	13.74	128	440267	14.401	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	223198	13.430	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 54631

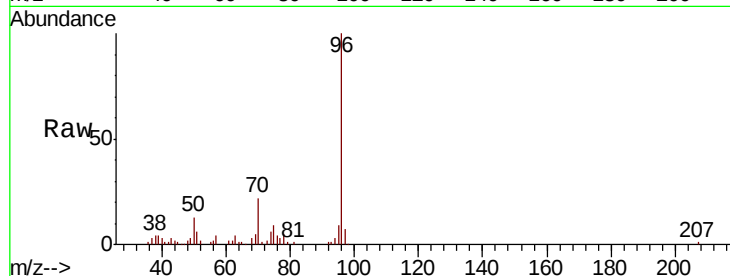
Ion	Ratio	Lower	Upper
96	100		
70	22.0	15.6	23.4
95	10.1	7.3	10.9
97	0.0	0.0	0.0

96 100

70 22.0 15.6 23.4

95 10.1 7.3 10.9

97 0.0 0.0 0.0



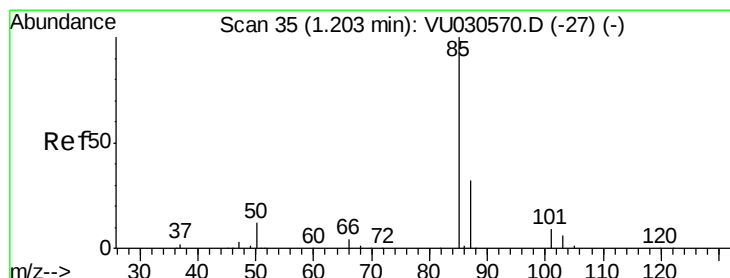
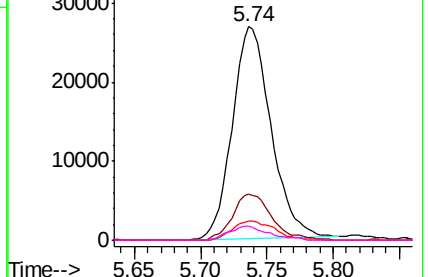
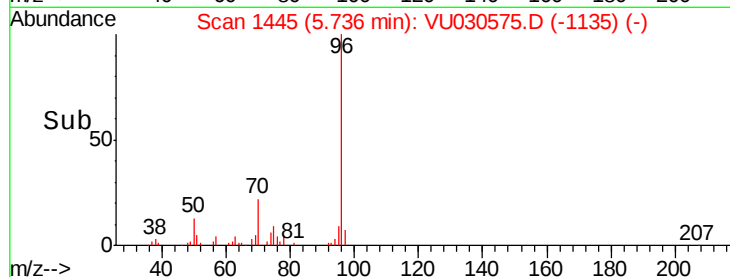
Abundance Ion 96.00 (95.70 to 96.70): VU0

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

Time-->



#2

Dichlorodifluoromethane

Concen: 7.283 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030575.D

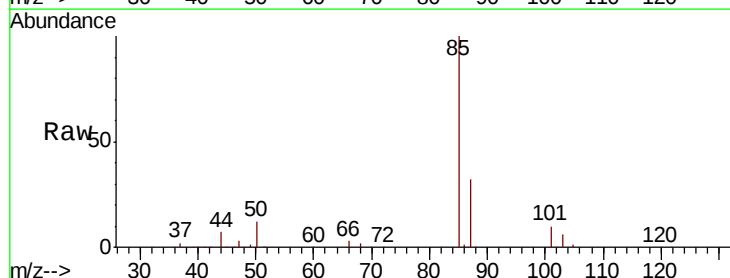
Acq: 30 Mar 2019 15:58

Tgt Ion: 85 Resp: 167354

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.9	47.6

85 100

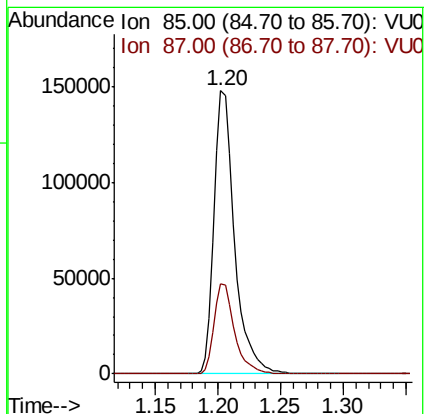
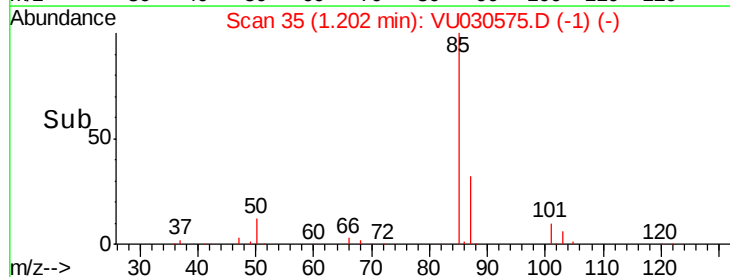
87 31.8 15.9 47.6

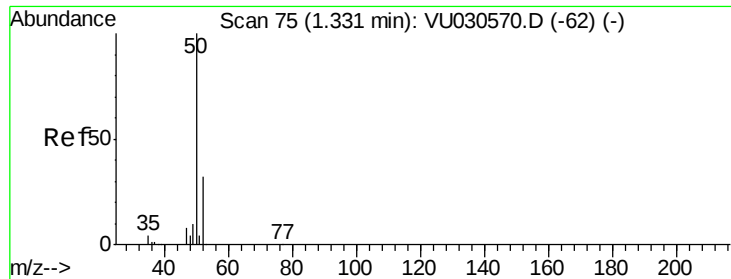


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Time-->





#3

Chloromethane

Concen: 9.730 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

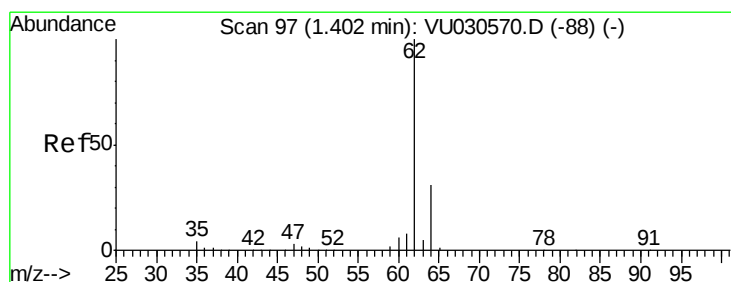
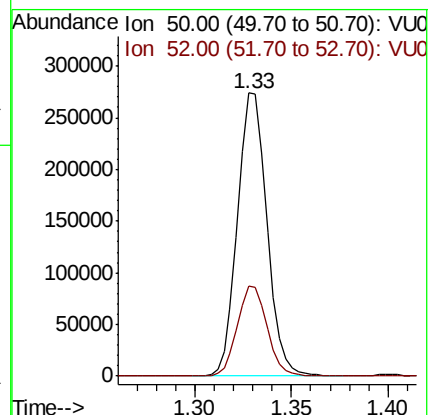
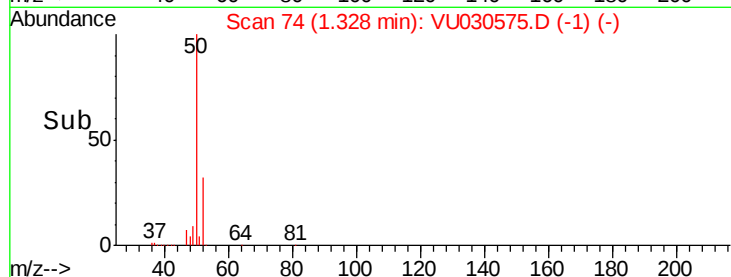
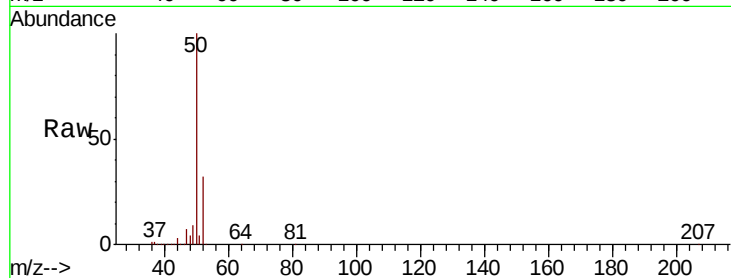
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 288881

Ion Ratio Lower Upper

50 100

52 31.7 25.8 38.8



#4

Vinyl Chloride

Concen: 9.382 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030575.D

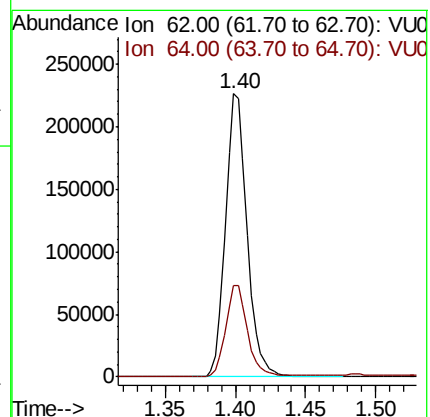
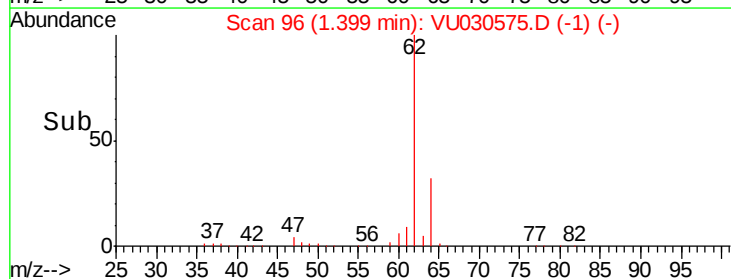
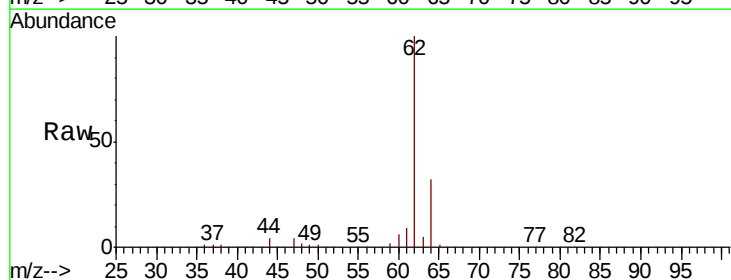
Acq: 30 Mar 2019 15:58

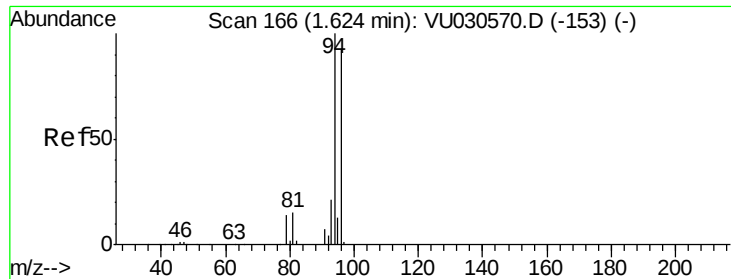
Tgt Ion: 62 Resp: 240683

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 8.835 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

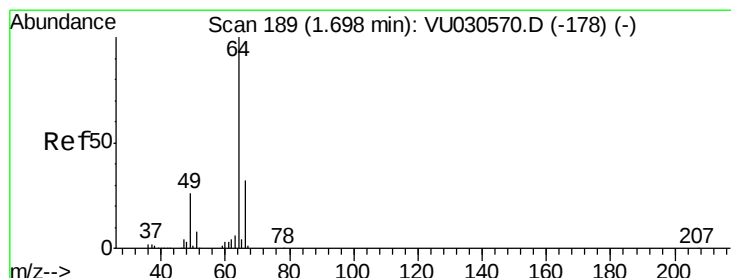
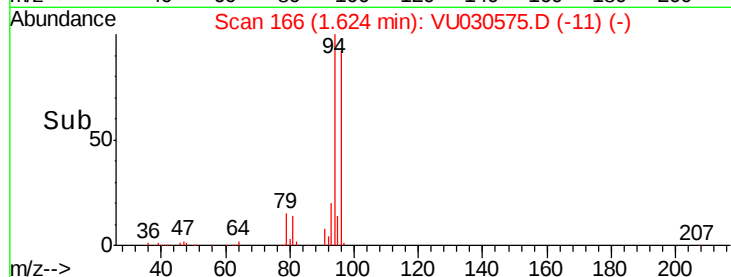
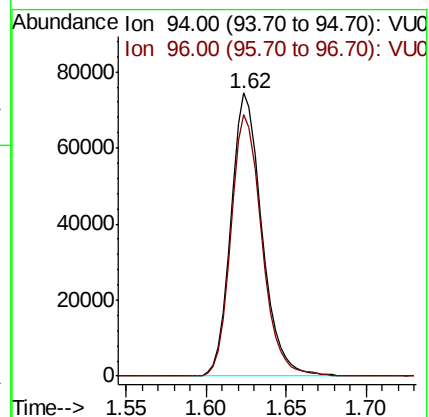
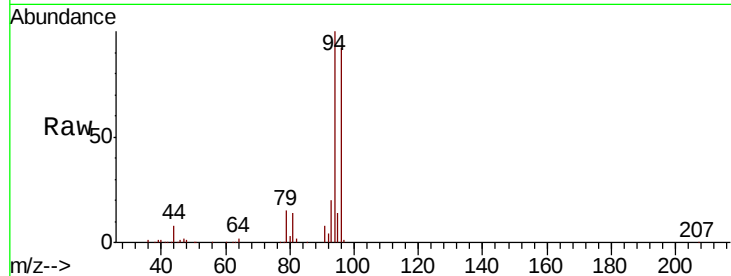
ClientSampleId :

Tot Ion: 94 Resp: 97757

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2



#6

Chloroethane

Concen: 9.616 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030575.D

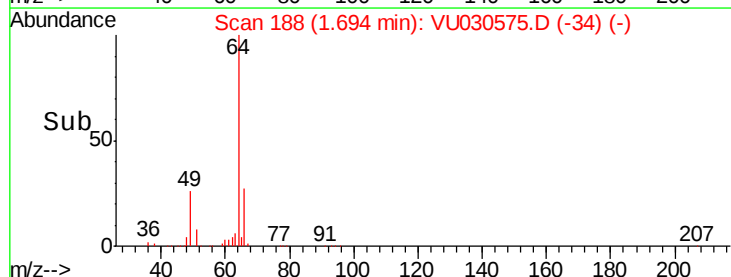
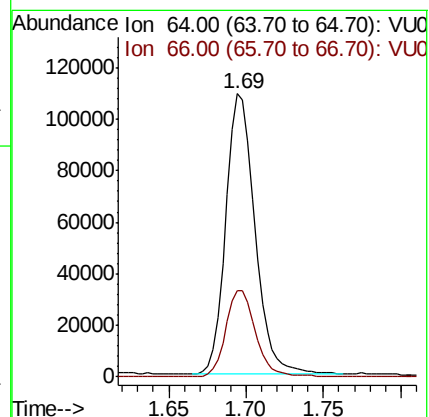
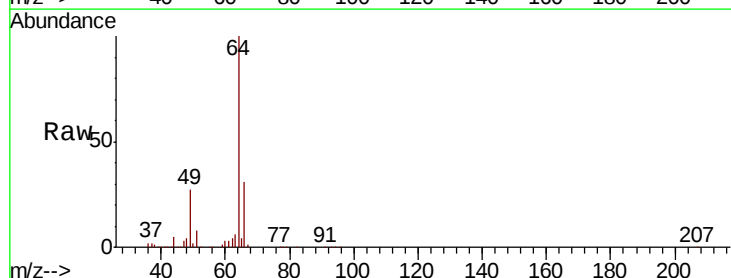
Acq: 30 Mar 2019 15:58

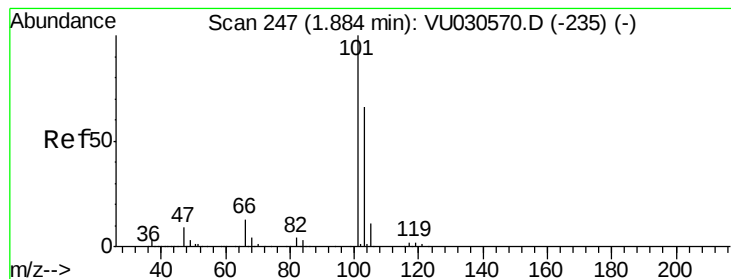
Tgt Ion: 64 Resp: 142272

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



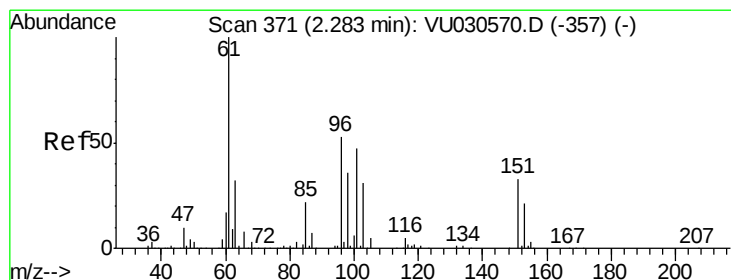
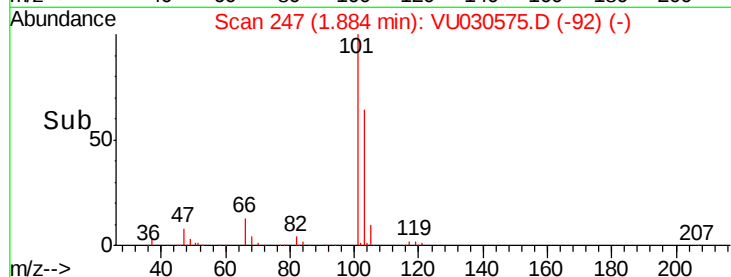
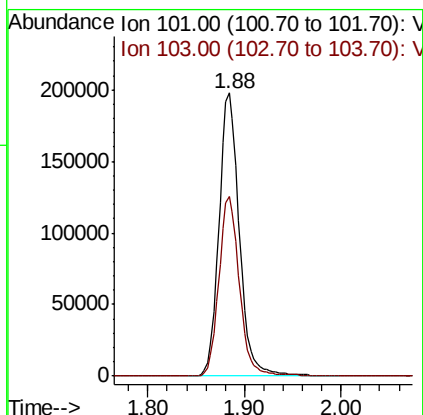
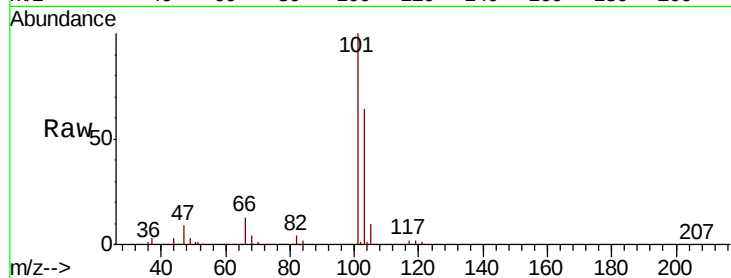


#7

Trichlorofluoromethane
 Concen: 10.268 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :

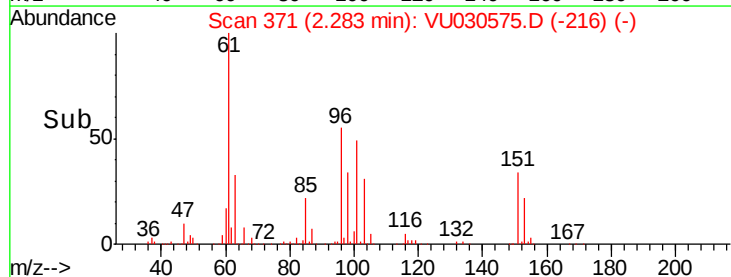
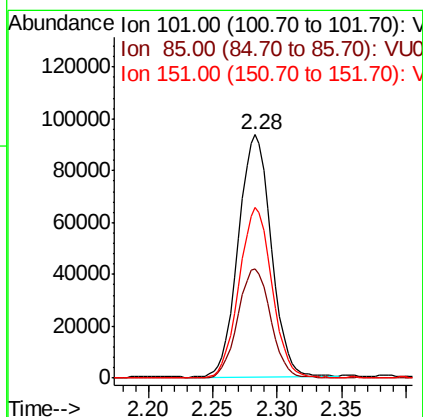
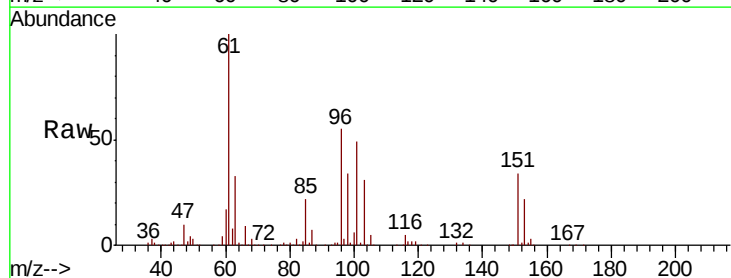
Tot Ion:101 Resp: 289333
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.6 79.0

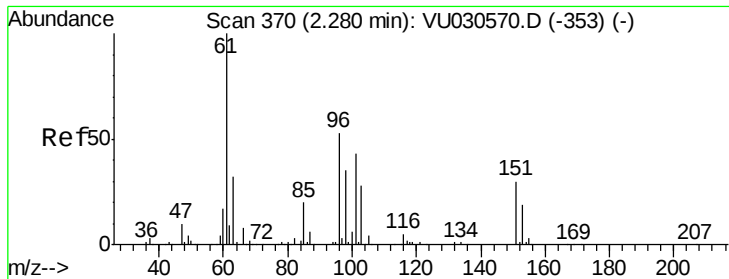


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.547 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion:101 Resp: 165277
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.5 54.7
 151 70.5 56.5 84.7





#9

1,1-Dichloroethene

Concen: 11.549 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :

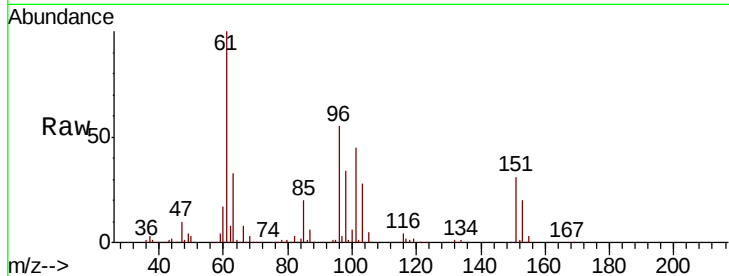
Tot Ion: 96 Resp: 166368

Ion Ratio Lower Upper

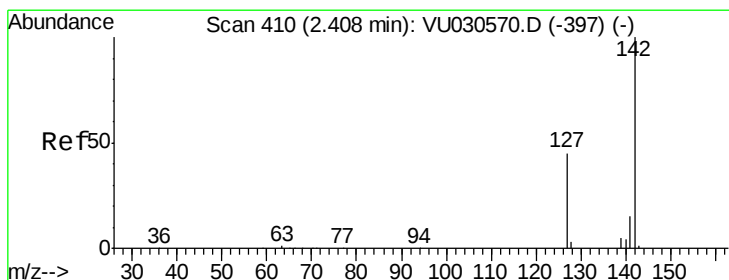
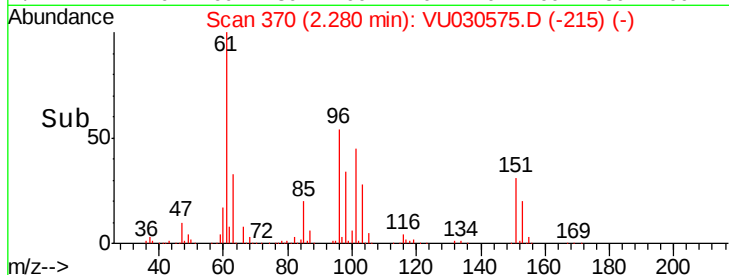
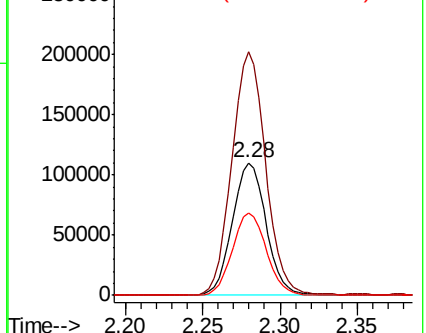
96 100

61 183.2 0.0 567.0

98 62.4 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: 7.130 ug/l

RT: 2.41 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU030575.D

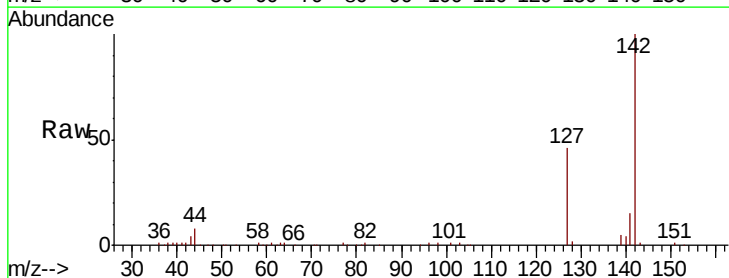
Acq: 30 Mar 2019 15:58

Tgt Ion: 142 Resp: 97464

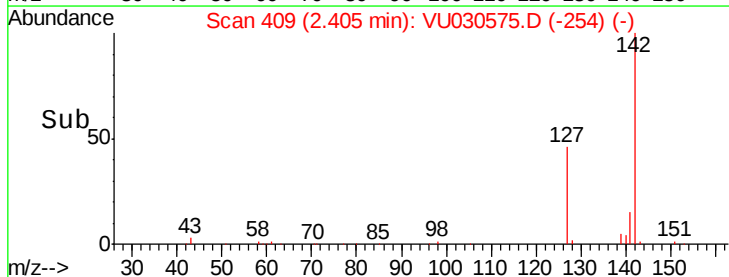
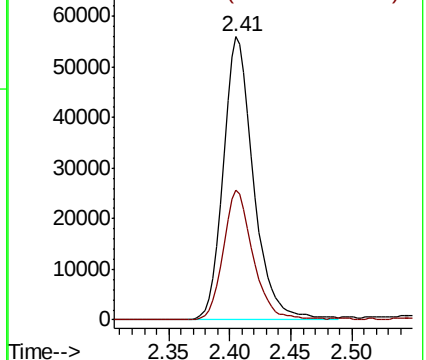
Ion Ratio Lower Upper

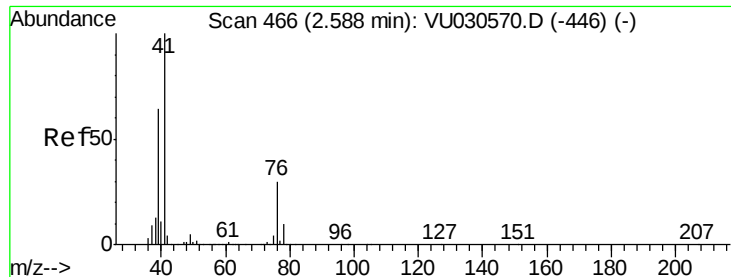
142 100

127 45.1 36.8 55.2



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

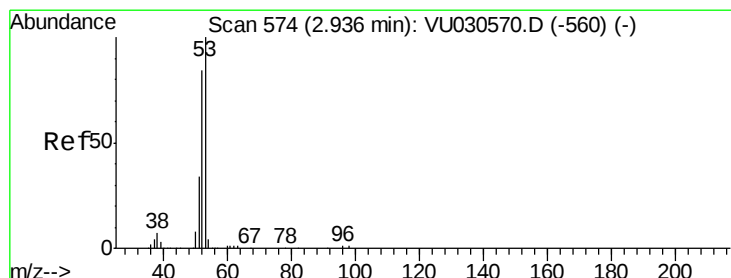
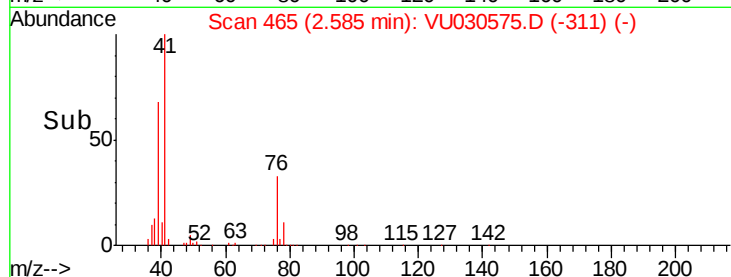
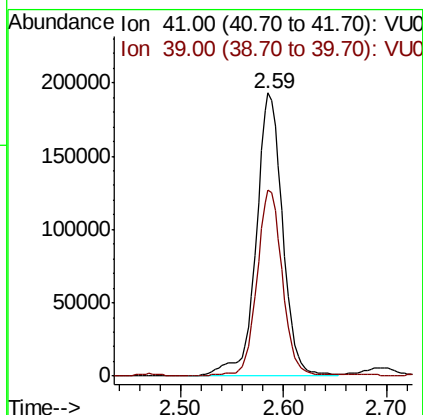
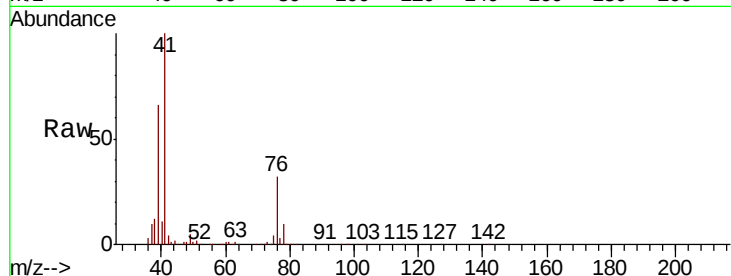




#11
Allvl Chloride
Concen: 10.838 ug/l
RT: 2.59 min Scan# 465
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

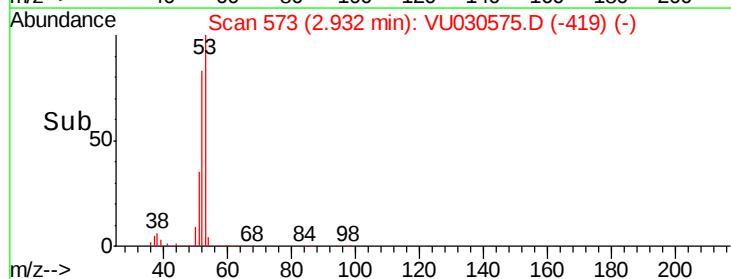
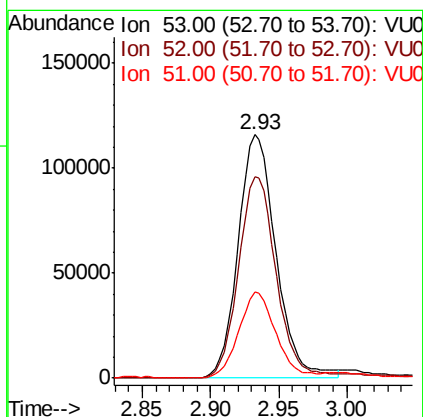
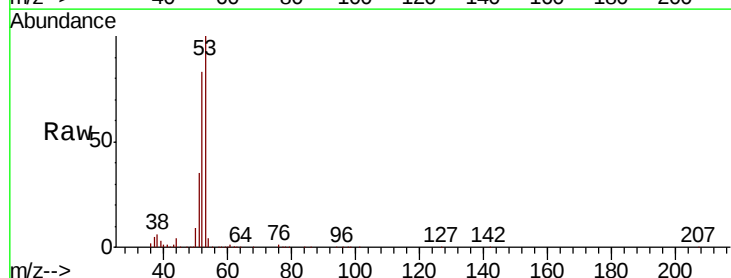
Instrument :
MSVOA_U
ClientSampleId :

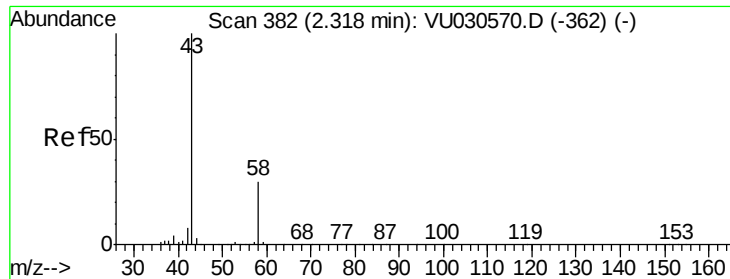
Tot Ion: 41 Resp: 340126
Ion Ratio Lower Upper
41 100
39 62.8 51.8 77.6



#12
Acrylonitrile
Concen: 54.712 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 53 Resp: 223848
Ion Ratio Lower Upper
53 100
52 82.5 69.1 103.7
51 34.4 27.9 41.9





#13

Acetone

Concen: 76.180 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

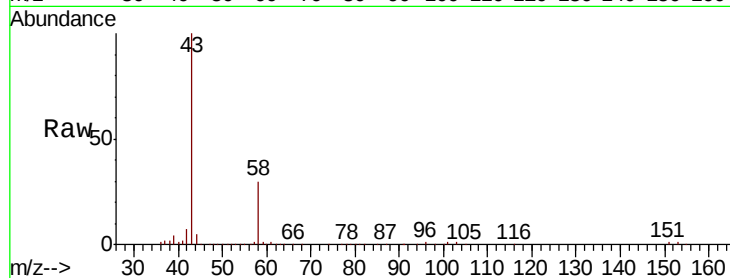
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 292006

Ion Ratio Lower Upper

43 100

58 29.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU030575.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030575.D (-362) (-)

2.32

200000

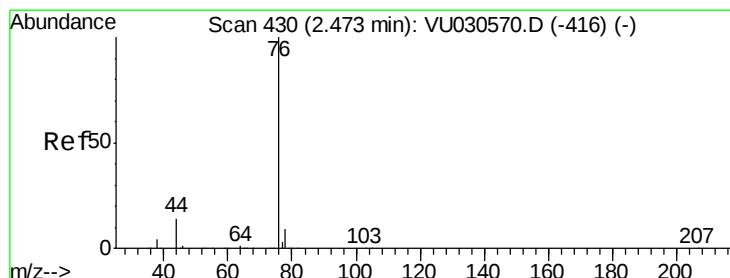
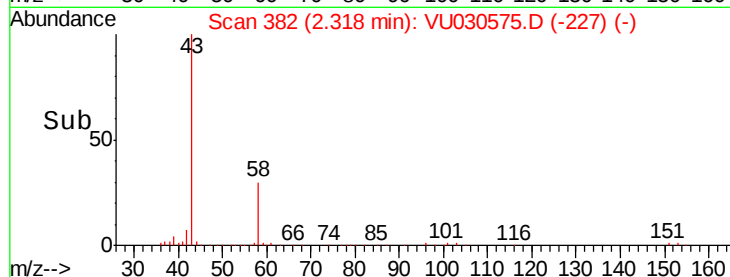
150000

100000

50000

0

Time-->



#14

Carbon Disulfide

Concen: 10.879 ug/l

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU030575.D

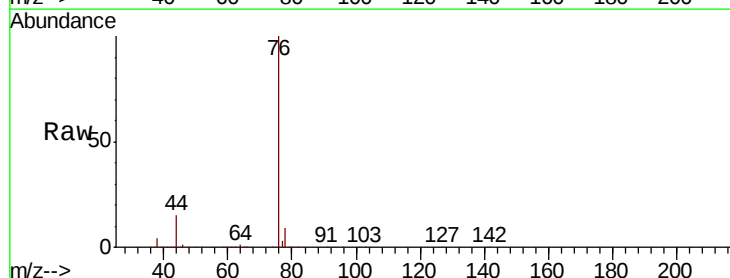
Acq: 30 Mar 2019 15:58

Tgt Ion: 76 Resp: 572594

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030575.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030575.D (-416) (-)

2.47

400000

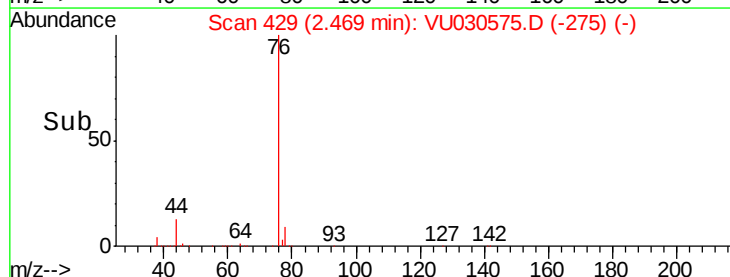
300000

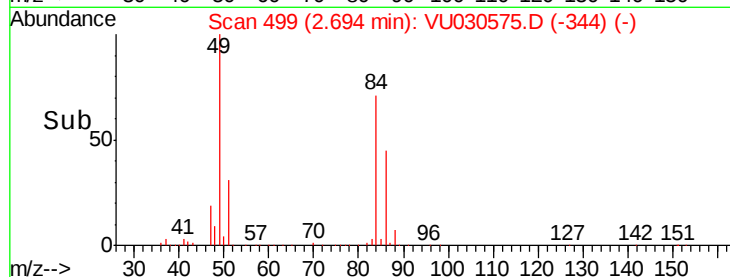
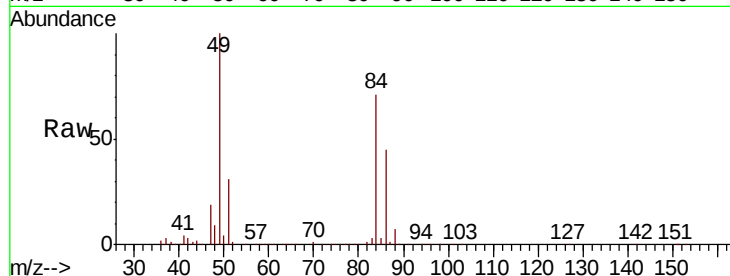
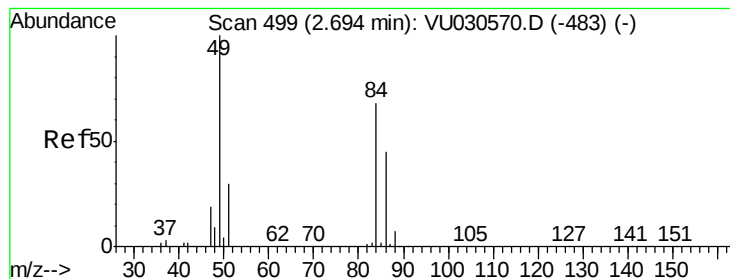
200000

100000

0

Time-->





#15

Methylene Chloride

Concen: 10.493 ug/l

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 84 Resp: 191705

Ion	Ratio	Lower	Upper
84	100		
49	141.5	117.0	175.6
51	43.9	0.0	88.6
86	64.0	52.2	78.2

Abundance

Ion 84.00 (83.70 to 84.70): VU0

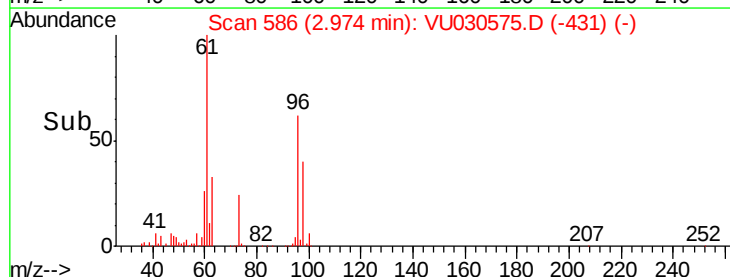
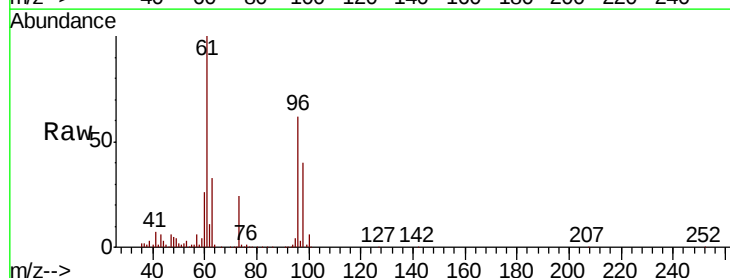
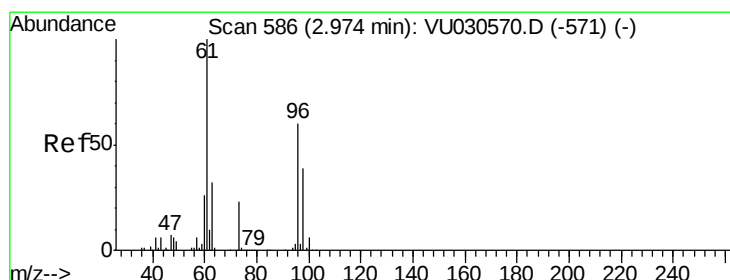
Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

2.69

Time-->



#16

trans-1,2-Dichloroethene

Concen: 10.940 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion: 96 Resp: 178039

Ion	Ratio	Lower	Upper
96	100		
61	161.9	132.3	198.5
98	64.7	51.3	76.9

Abundance

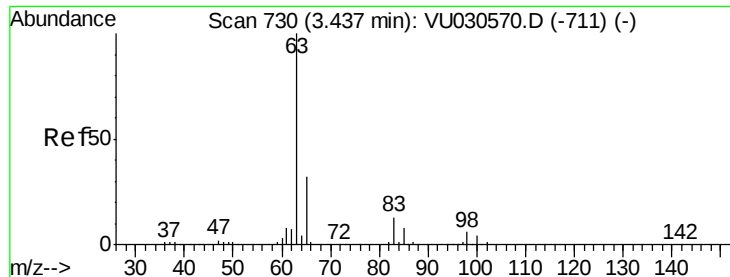
Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

2.97

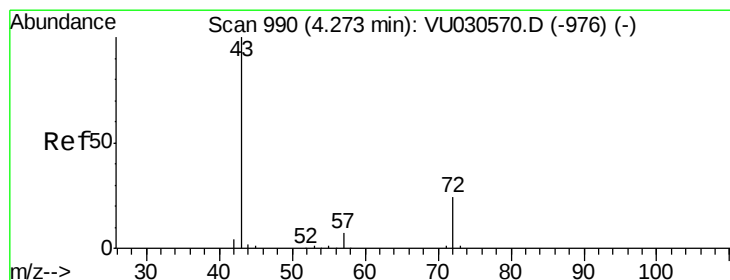
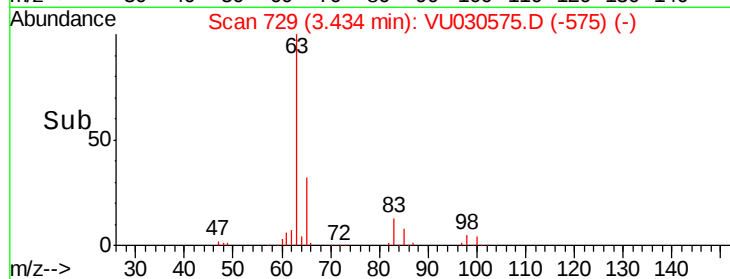
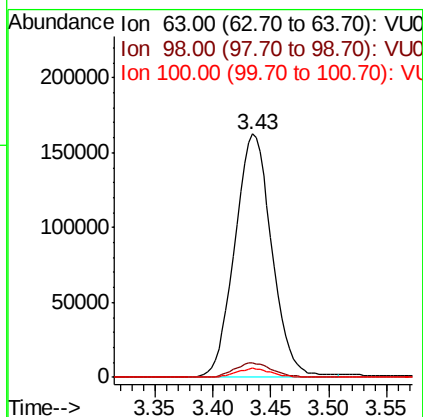
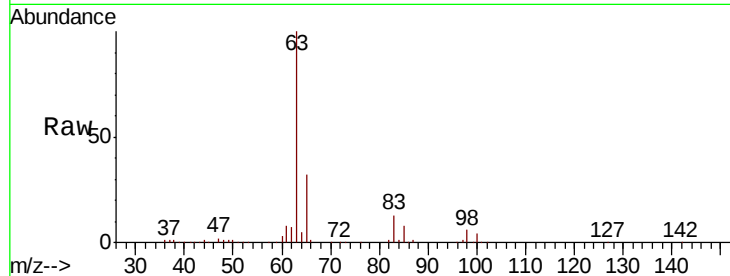
Time-->



#17
 1,1-Dichloroethane
 Concen: 10.861 ug/l
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

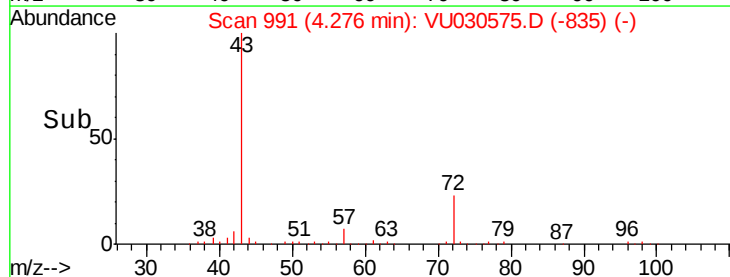
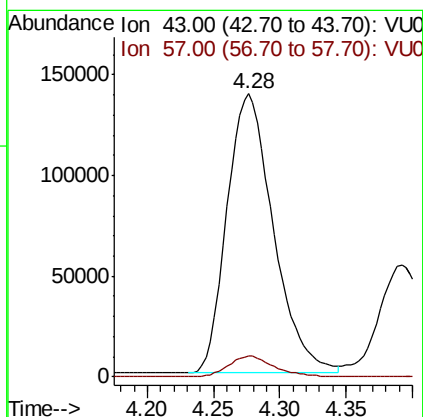
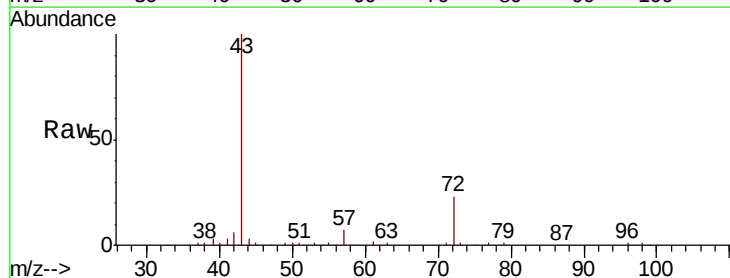
Instrument :
 MSVOA_U
 ClientSampleId :

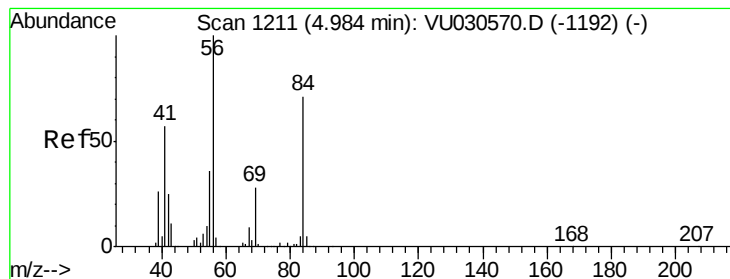
Tot Ion: 63 Resp: 358884
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.6 1.8 5.5



#18
 2-Butanone
 Concen: 68.231 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion: 43 Resp: 338121
 Ion Ratio Lower Upper
 43 100
 57 7.5 0.0 14.4





#19

Cyclohexane

Concen: 10.621 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

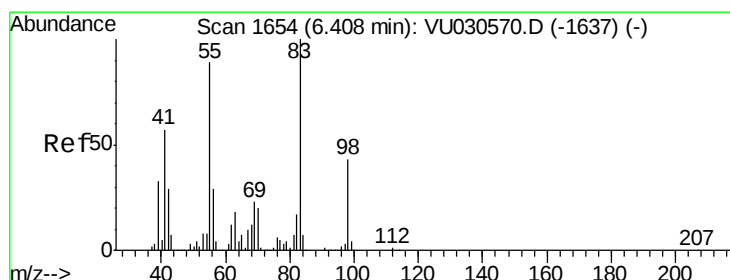
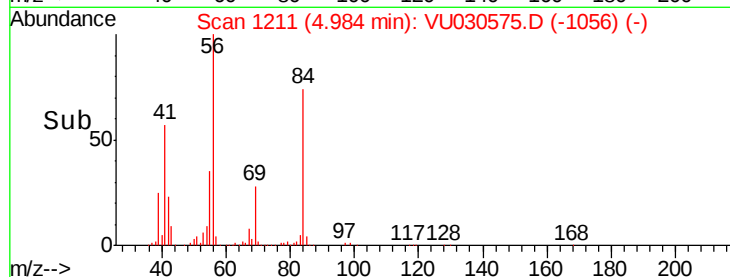
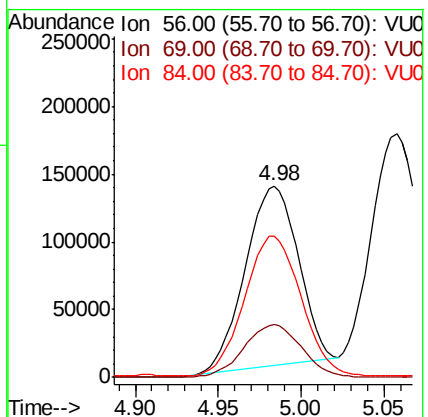
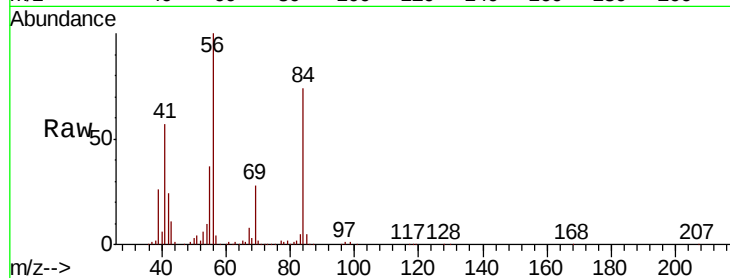
Tot Ion: 56 Resp: 296076

Ion Ratio Lower Upper

56 100

69 31.6 22.3 33.5

84 82.5 57.6 86.4



#20

Methylcyclohexane

Concen: 12.327 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

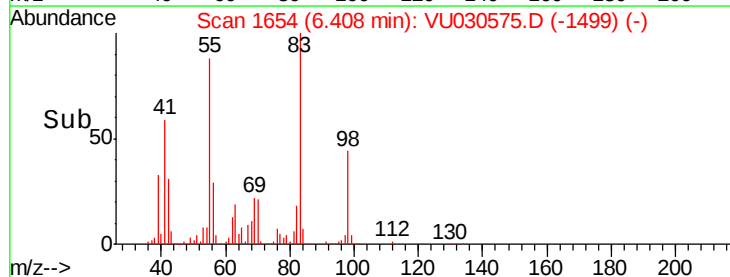
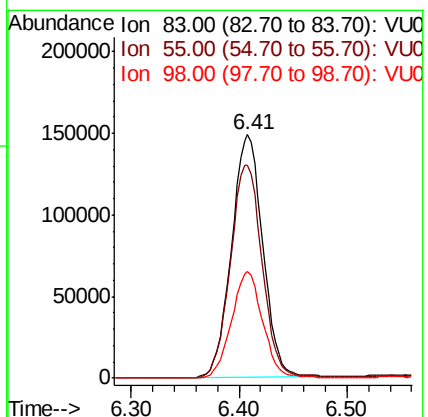
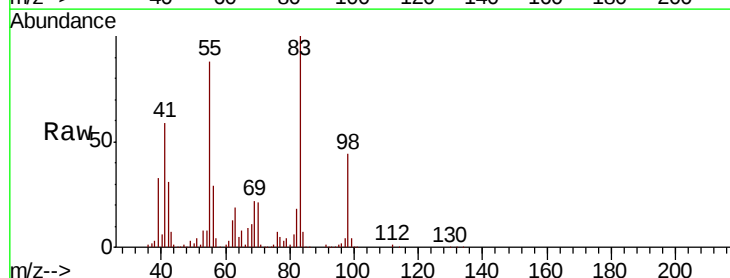
Tgt Ion: 83 Resp: 301509

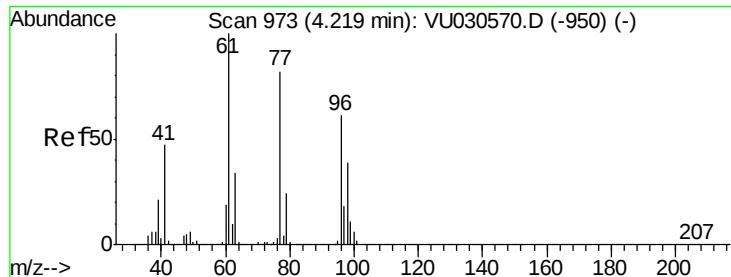
Ion Ratio Lower Upper

83 100

55 88.7 72.0 108.0

98 43.4 35.0 52.4





#21

2,2-Dichloropropane

Concen: 11.156 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

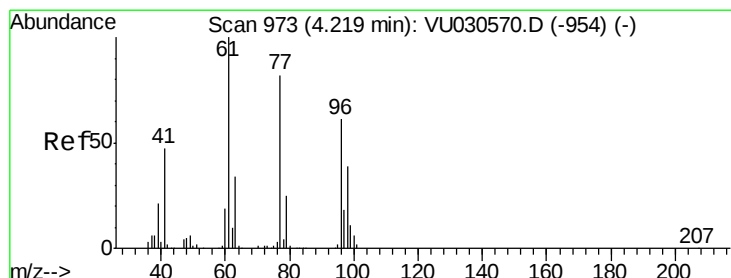
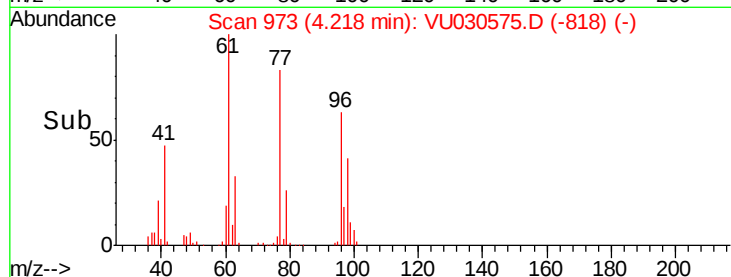
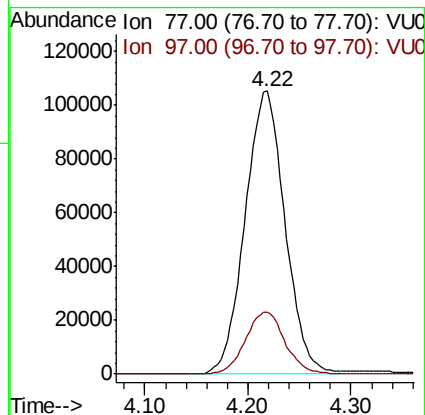
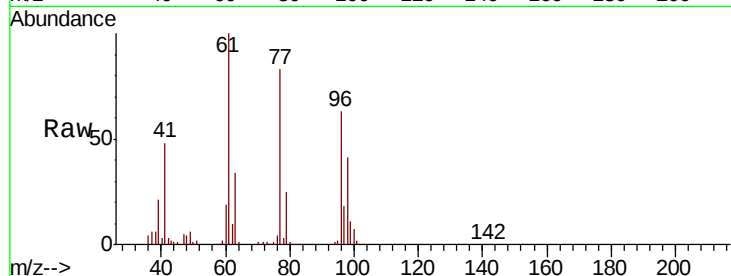
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 283347

Ion Ratio Lower Upper

77 100

97 21.6 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 11.010 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

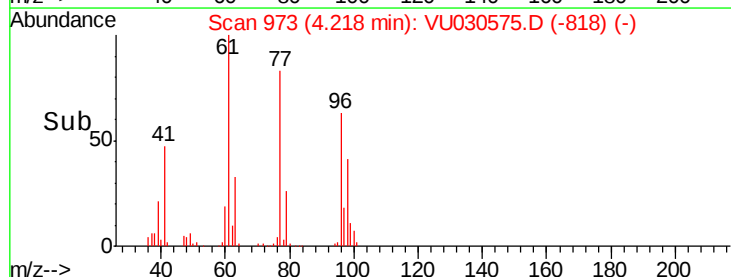
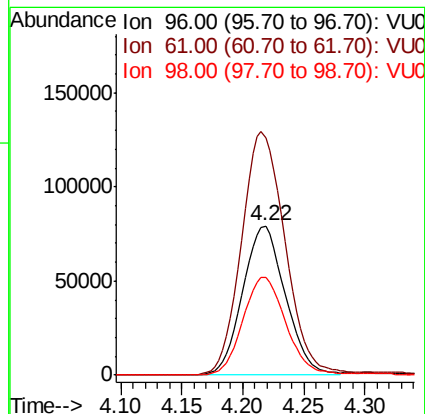
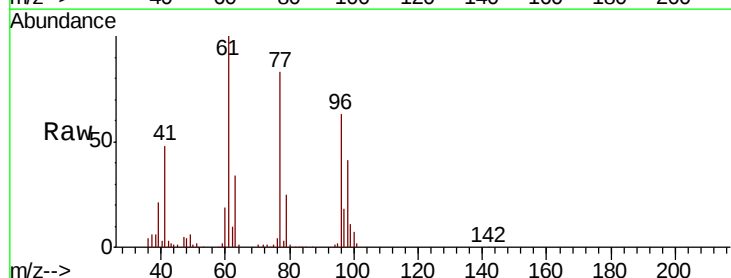
Tgt Ion: 96 Resp: 192414

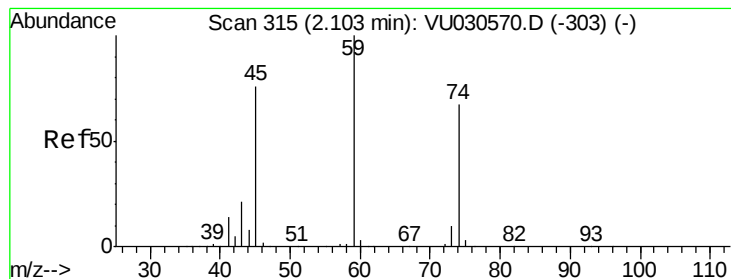
Ion Ratio Lower Upper

96 100

61 166.9 0.0 427.0

98 66.1 32.5 97.4





#23

Diethyl Ether

Concen: 10.476 ug/l

RT: 2.10 min Scan# 314

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :

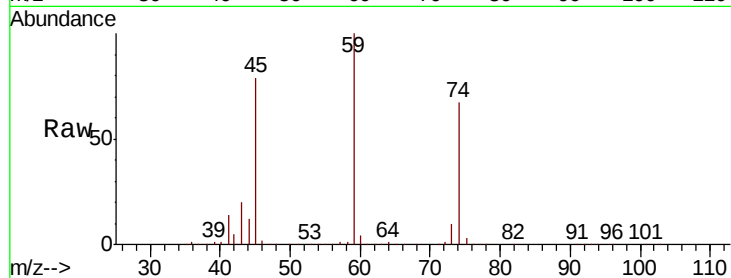
Tot Ion: 59 Resp: 143427

Ion Ratio Lower Upper

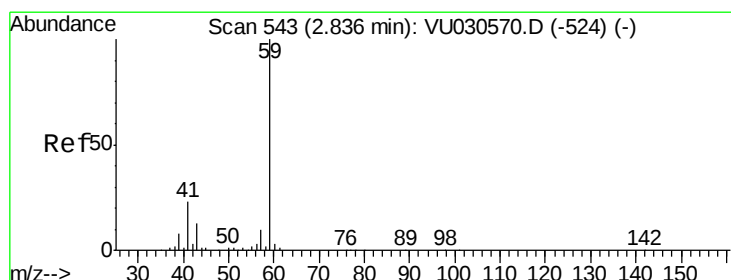
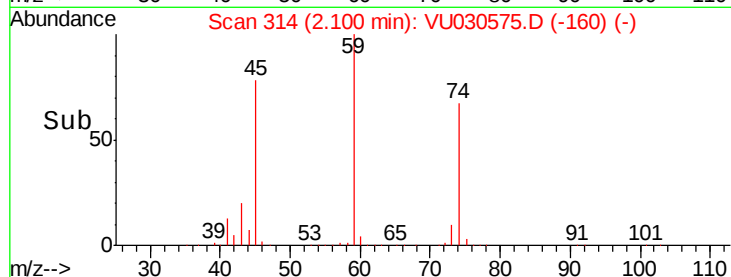
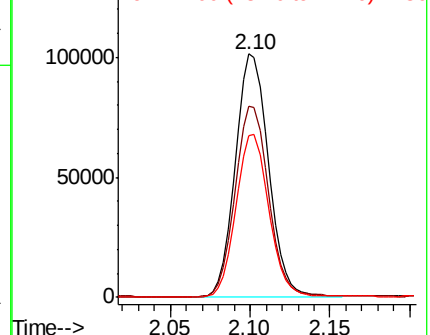
59 100

45 79.4 61.6 92.4

74 66.5 53.2 79.8



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 57.658 ug/l

RT: 2.84 min Scan# 544

Delta R.T. 0.00 min

Lab File: VU030575.D

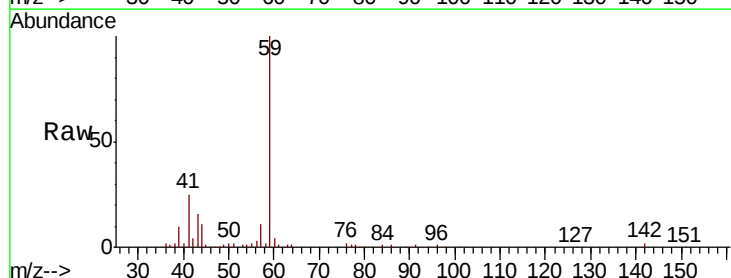
Acq: 30 Mar 2019 15:58

Tgt Ion: 59 Resp: 81719

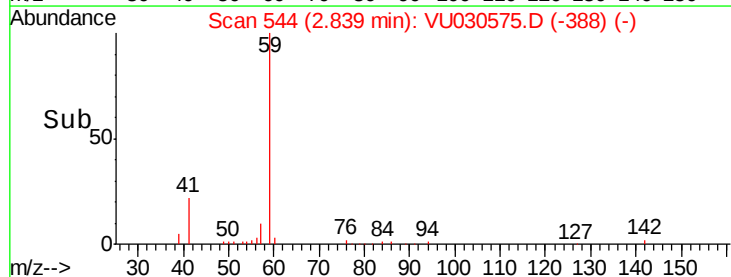
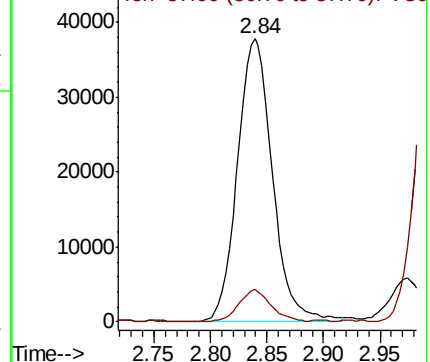
Ion Ratio Lower Upper

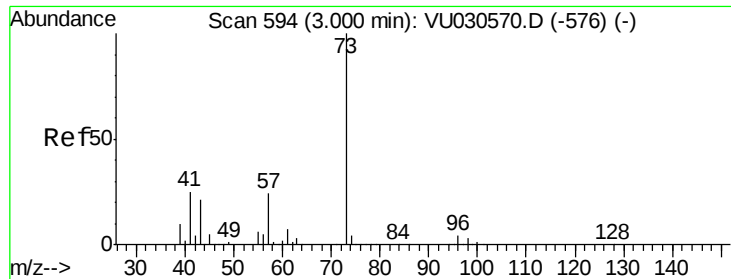
59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



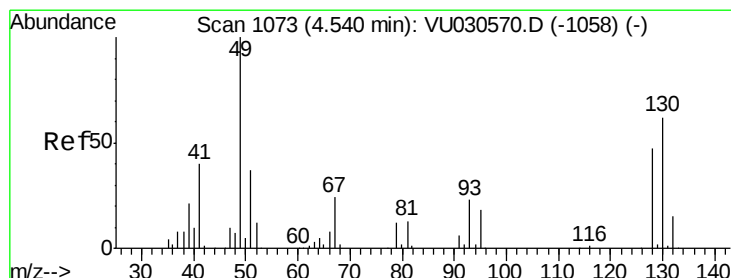
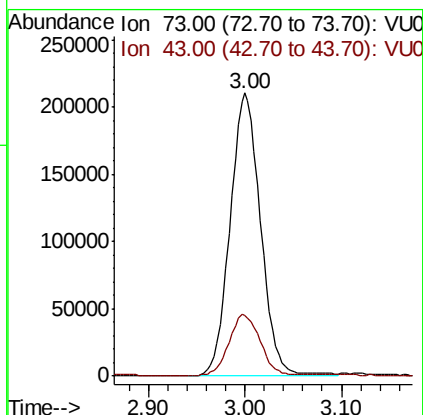
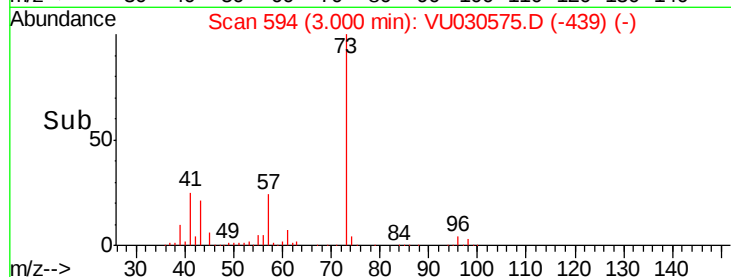
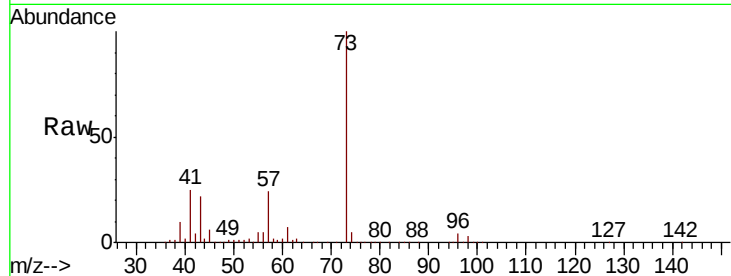


#25

Methyl tert-Butyl Ether
 Concen: 11.063 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :

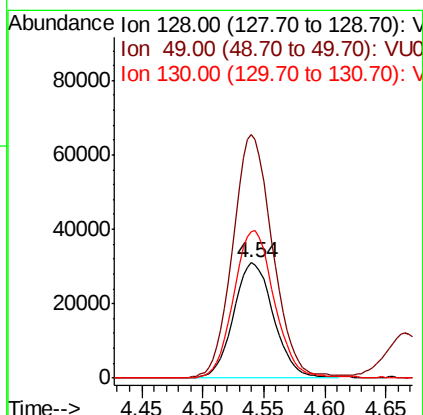
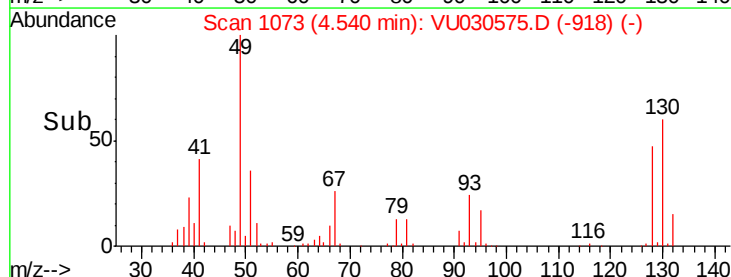
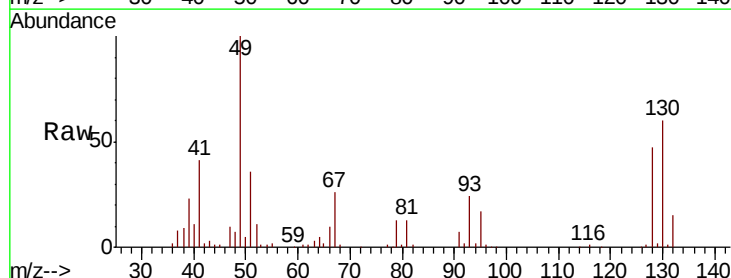
Tot Ion: 73 Resp: 461377
 Ion Ratio Lower Upper
 73 100
 43 21.8 16.6 24.8

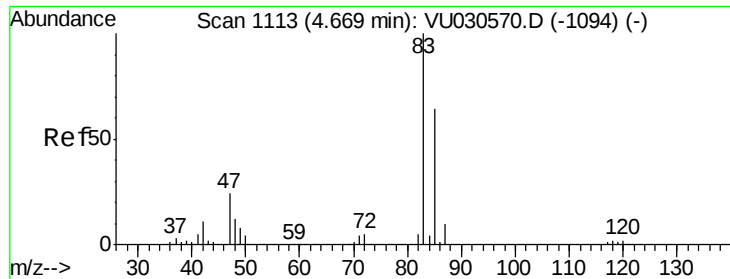


#26

Bromochloromethane
 Concen: 10.327 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion: 128 Resp: 70676
 Ion Ratio Lower Upper
 128 100
 49 210.6 0.0 418.2
 130 129.4 103.4 155.0

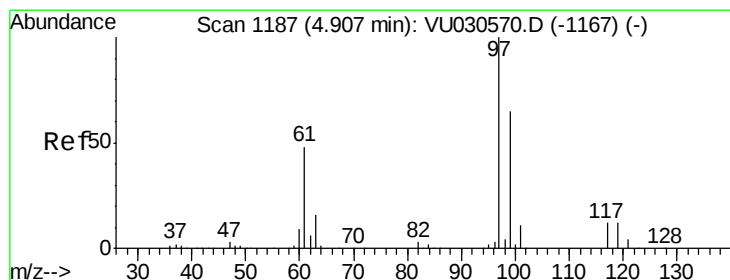
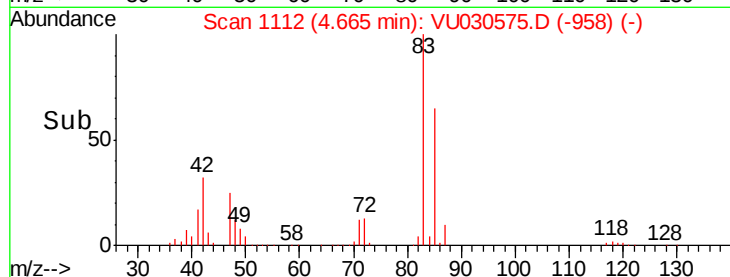
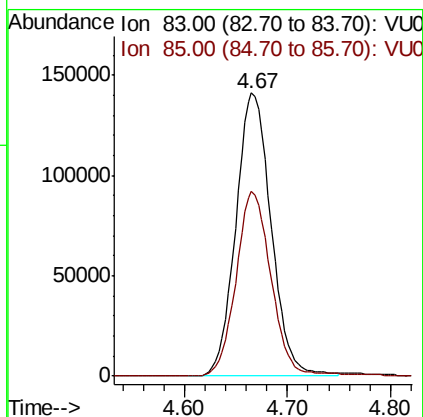
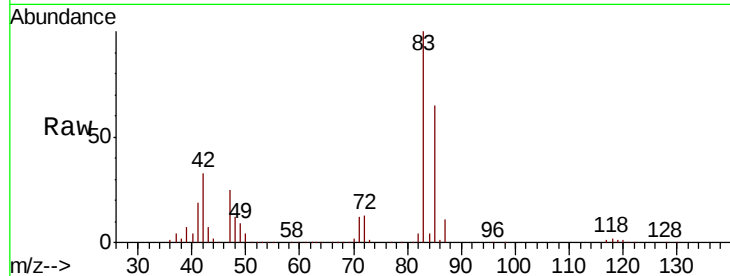




#27
Chloroform
Concen: 10.894 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

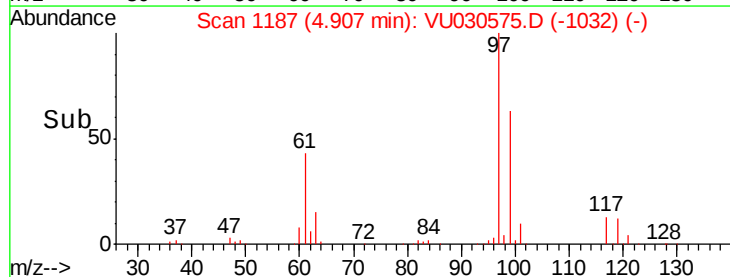
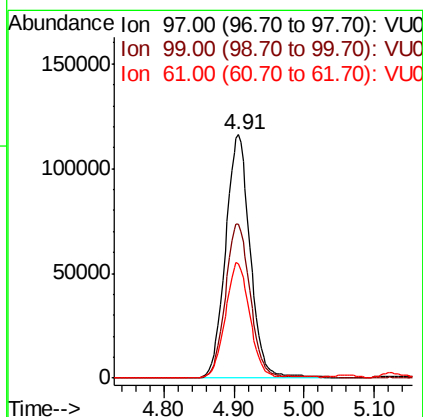
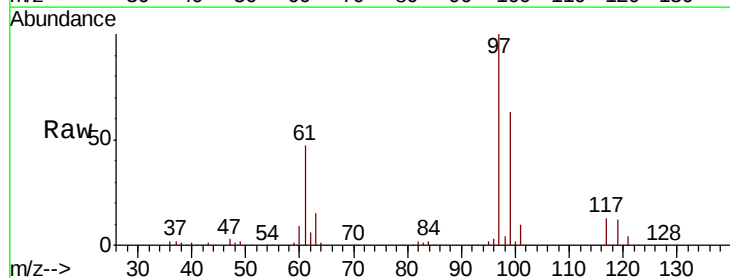
Instrument :
MSVOA_U
ClientSampleId :

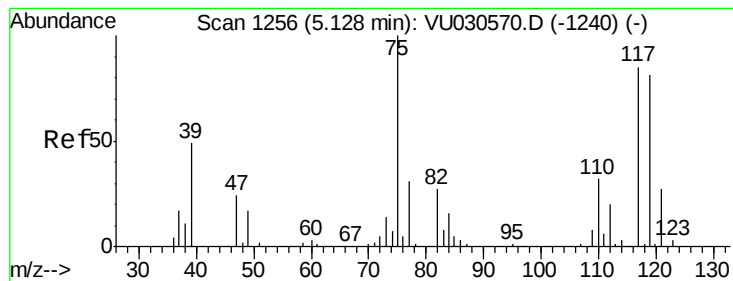
Tot Ion: 83 Resp: 336298
Ion Ratio Lower Upper
83 100
85 65.3 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 11.123 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 97 Resp: 283442
Ion Ratio Lower Upper
97 100
99 63.9 32.0 96.0
61 46.5 24.0 72.0





#29

1,1-Dichloropropene

Concen: 11.108 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

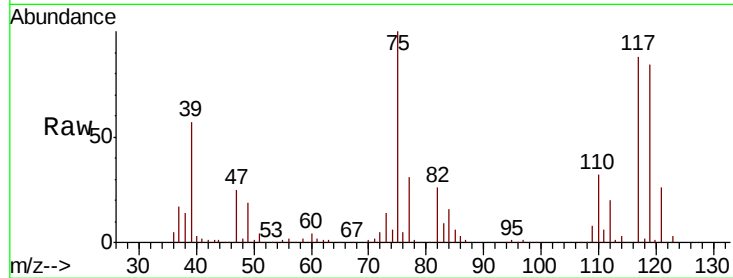
Tot Ion: 75 Resp: 253868

Ion Ratio Lower Upper

75 100

110 32.4 16.0 48.0

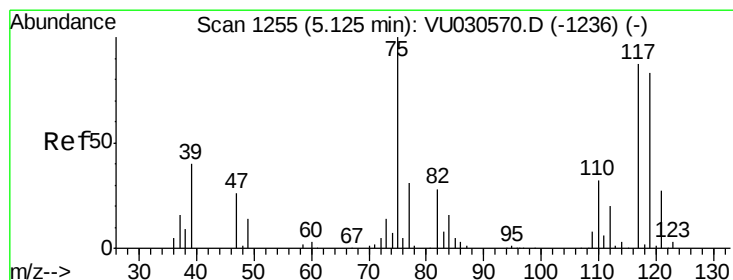
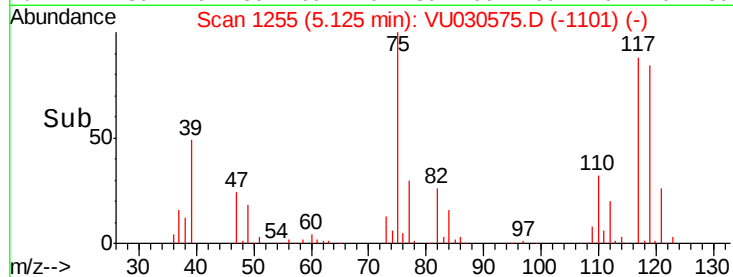
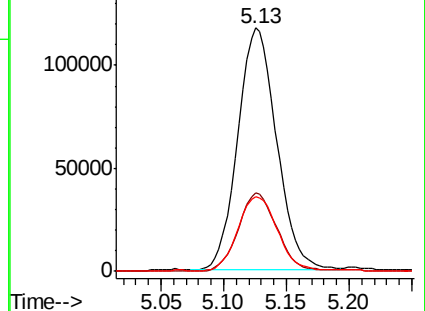
77 31.3 24.8 37.2



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) (-)



#30

Carbon Tetrachloride

Concen: 11.341 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

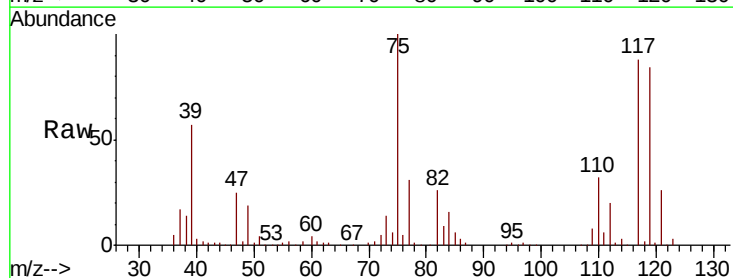
Tgt Ion: 117 Resp: 241212

Ion Ratio Lower Upper

117 100

119 95.3 76.4 114.6

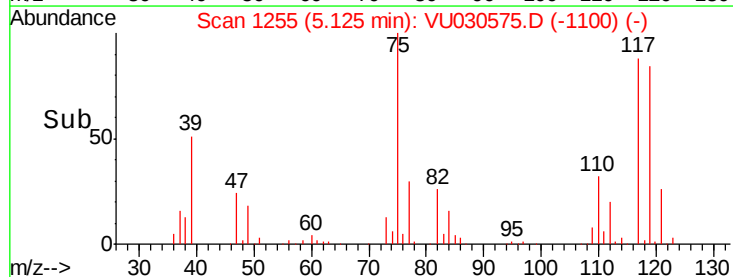
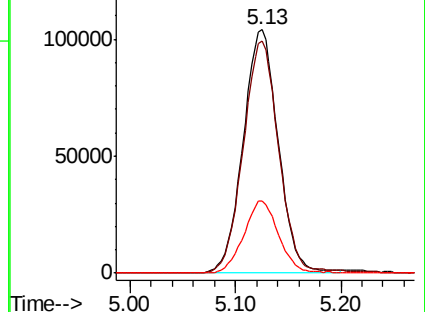
121 29.7 24.7 37.1

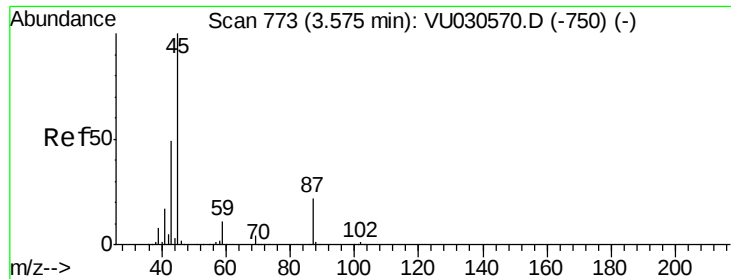


Abundance Ion 117.00 (116.70 to 117.70): VU030570.D (-1236) (-)

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

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





#31

Isopropyl Ether

Concen: 11.707 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

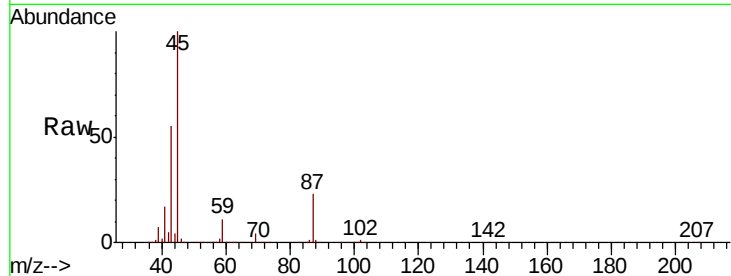
ClientSampled :

Tot Ion: 45 Resp: 644321

Ion Ratio Lower Upper

45 100

43 237.4 25.0 75.0#



Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

Ion 43.00 (42.70 to 43.70): VU030570.D (-750) (-)

800000

600000

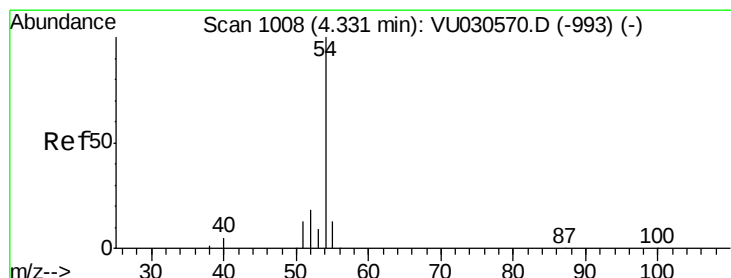
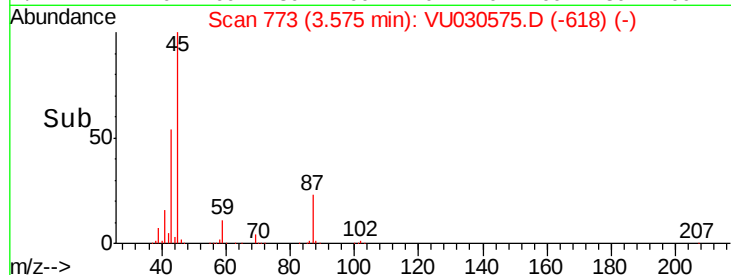
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#34

Propionitrile

Concen: 123.352 ug/l

RT: 4.33 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion: 54 Resp: 166176

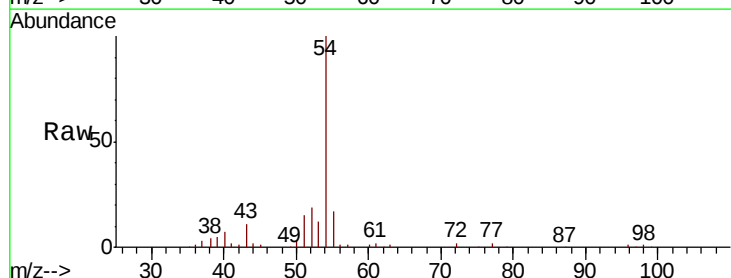
Ion Ratio Lower Upper

54 100

52 18.8 14.1 21.1

55 14.6 10.4 15.6

40 5.4 1.8 2.8#



Abundance Ion 54.00 (53.70 to 54.70): VU030570.D (-993) (-)

Ion 52.00 (51.70 to 52.70): VU030570.D (-993) (-)

Ion 55.00 (54.70 to 55.70): VU030570.D (-993) (-)

Ion 40.00 (39.70 to 40.70): VU030570.D (-993) (-)

100000

80000

60000

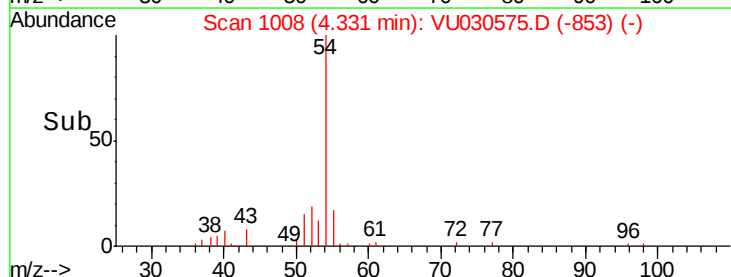
40000

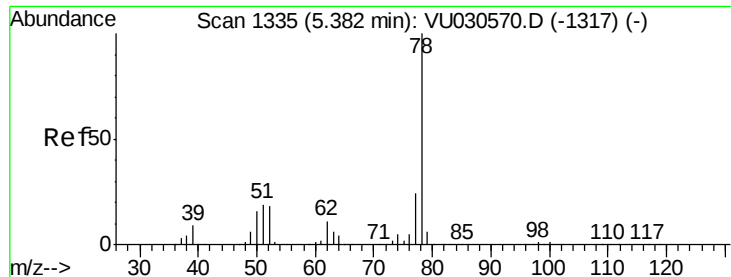
20000

0

4.20 4.30 4.40

Time-->





#35

Benzene

Concen: 11.300 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

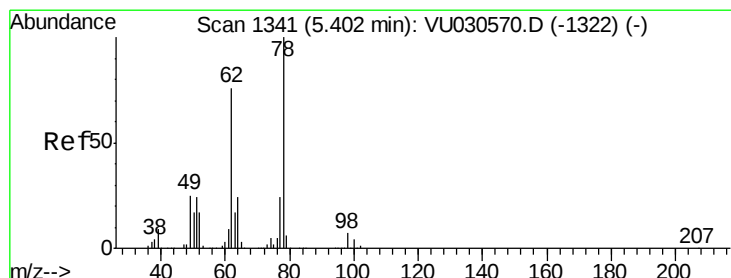
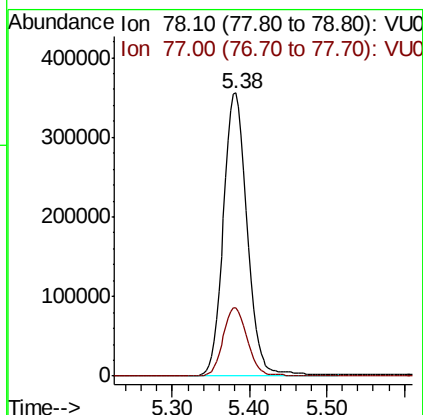
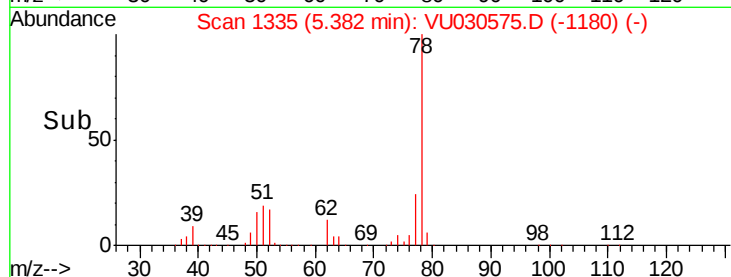
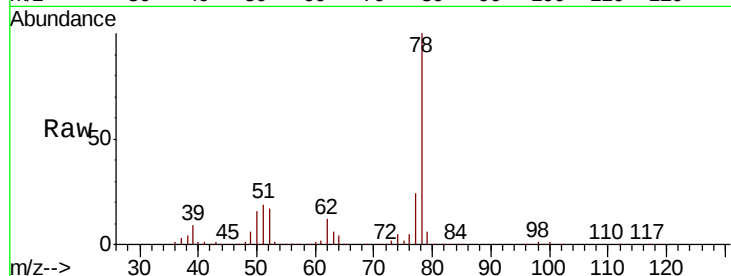
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 763802

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3



#36

1,2-Dichloroethane

Concen: 10.944 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030575.D

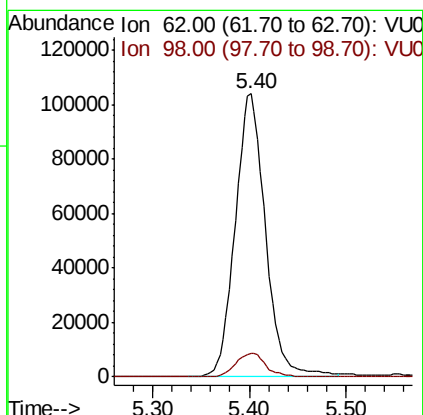
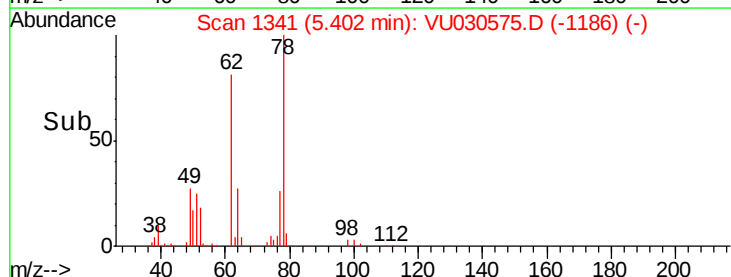
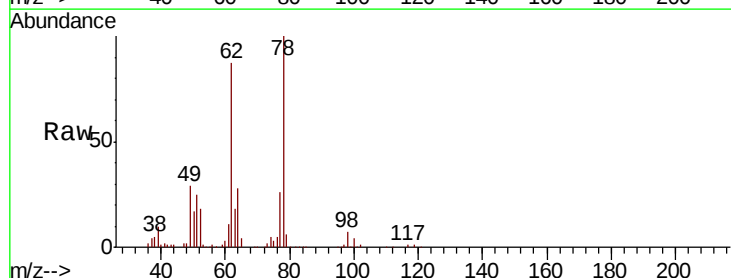
Acq: 30 Mar 2019 15:58

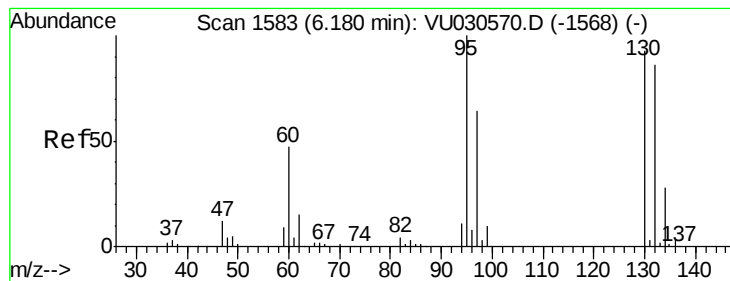
Tgt Ion: 62 Resp: 225960

Ion Ratio Lower Upper

62 100

98 8.4 6.8 10.2





#37

Trichloroethene

Concen: 10.933 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

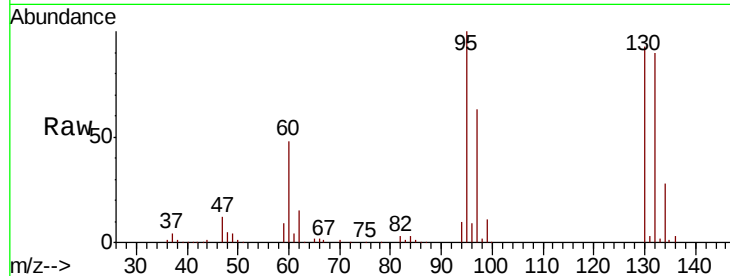
ClientSampleId :

Tot Ion:130 Resp: 177287

Ion Ratio Lower Upper

130 100

95 108.0 85.8 128.8



Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

6.18

100000

80000

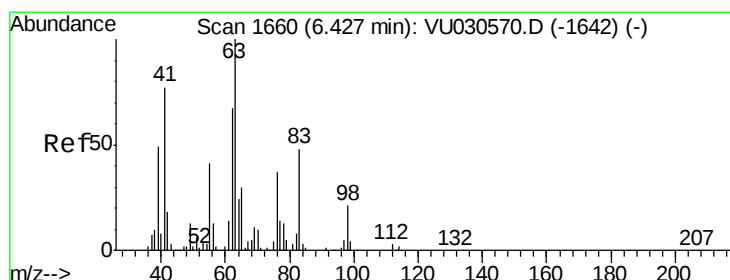
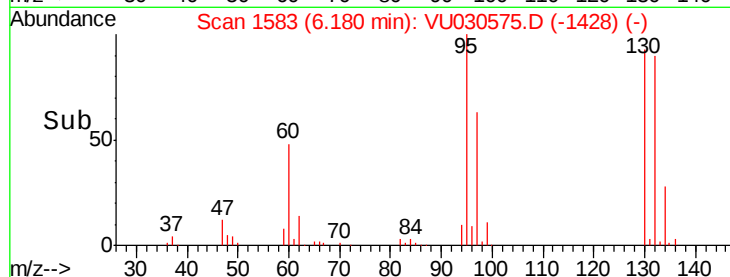
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 11.220 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030575.D

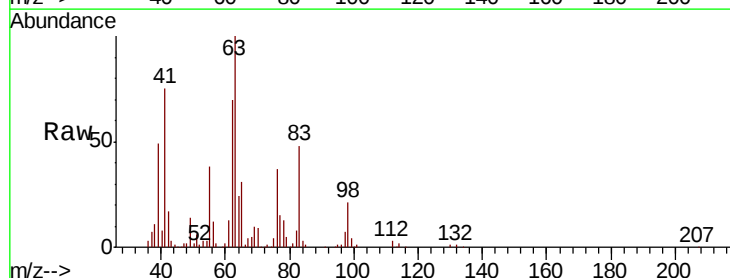
Acq: 30 Mar 2019 15:58

Tgt Ion: 63 Resp: 210080

Ion Ratio Lower Upper

63 100

65 30.7 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)

6.43

120000

100000

80000

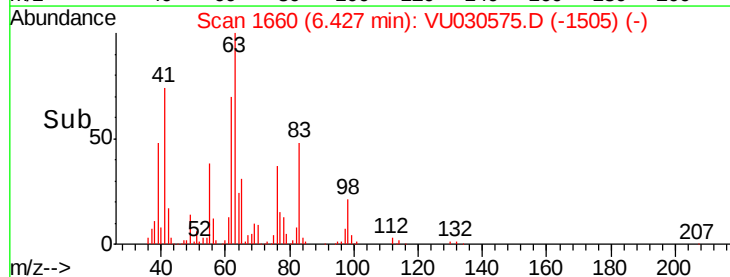
60000

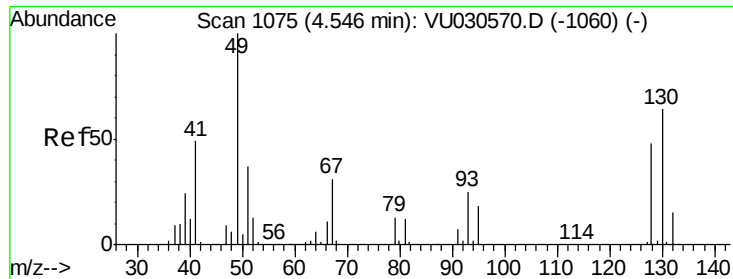
40000

20000

0

Time-->

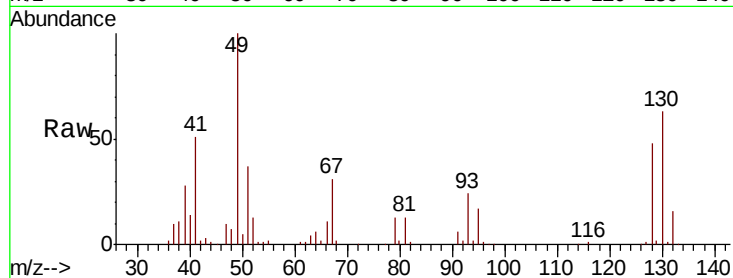




#39
Methacrylonitrile
Concen: 12.163 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	73923
Ion	Ratio	Lower	Upper
41	100		
67	65.7	50.2	75.4
39	53.2	40.7	61.1
52	26.7	23.0	34.4



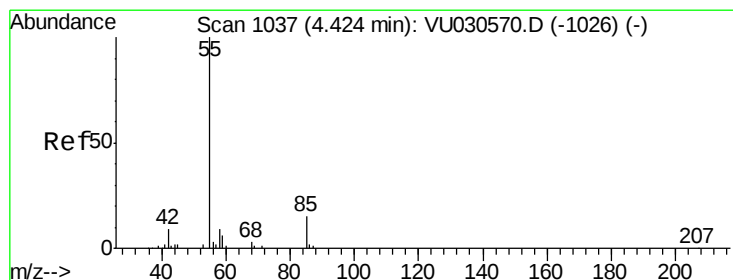
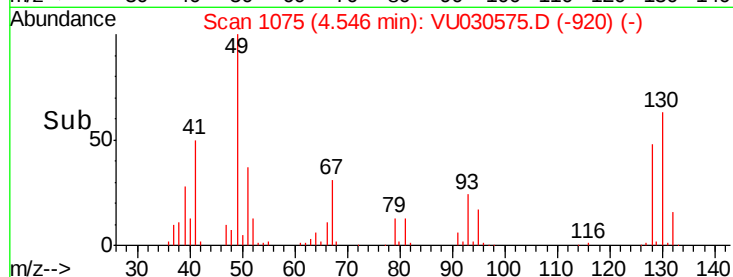
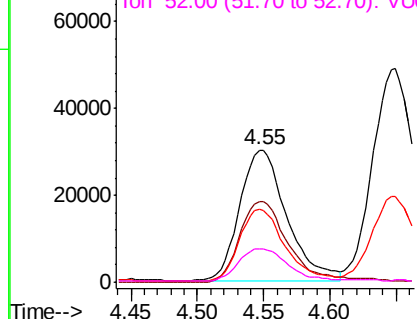
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

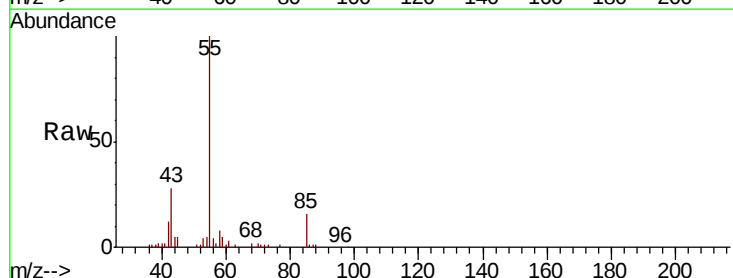
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 12.004 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion:	55	Resp:	99769
Ion	Ratio	Lower	Upper
55	100		
85	16.8	12.5	18.7
58	9.2	6.3	9.5
42	12.7	7.4	11.2#



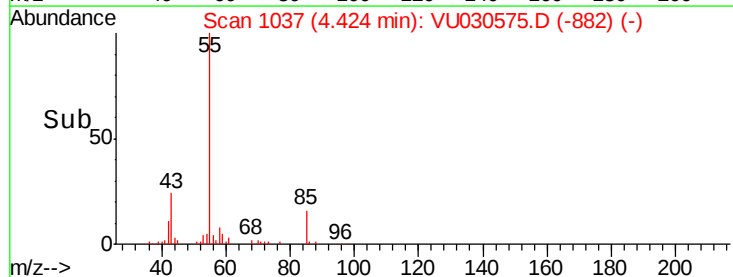
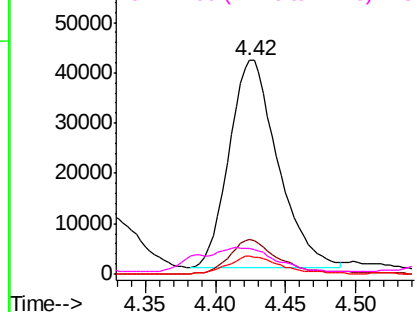
Abundance

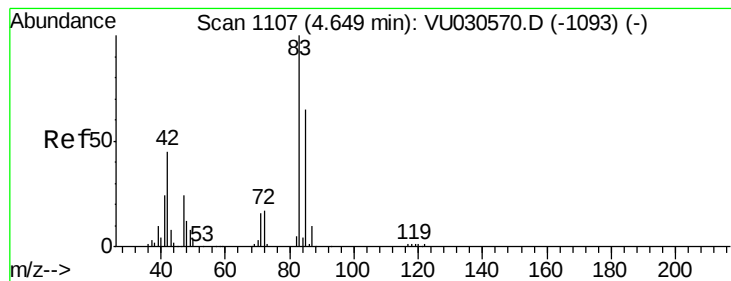
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 59.551 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampled :

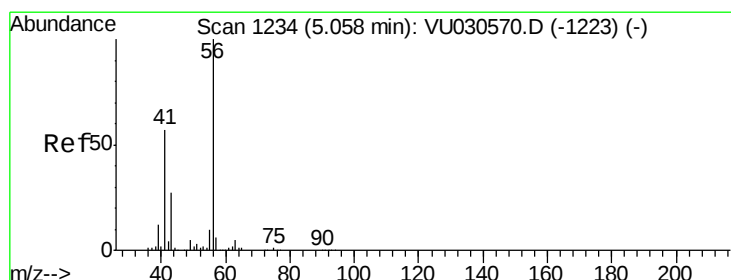
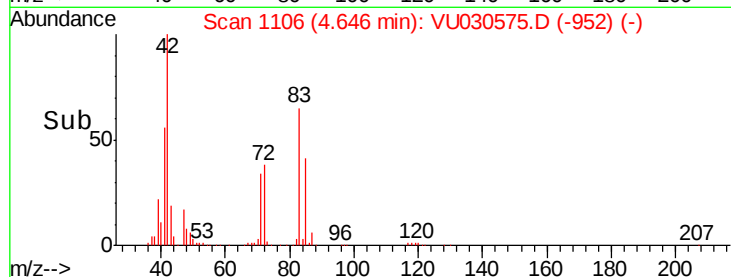
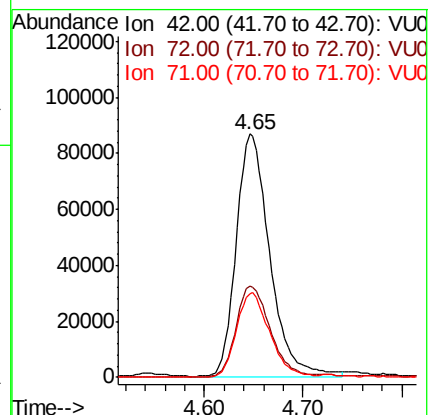
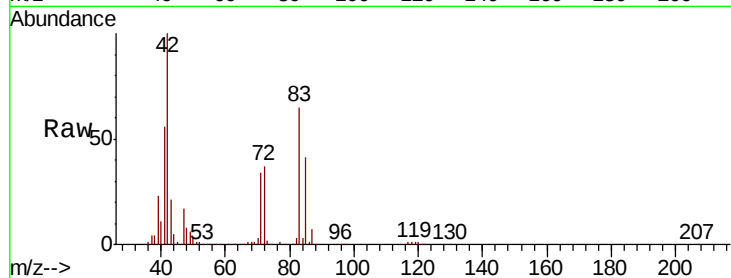
Tot Ion: 42 Resp: 205298

Ion Ratio Lower Upper

42 100

72 38.4 33.4 50.0

71 34.6 28.8 43.2



#42

1-Chlorobutane

Concen: 11.342 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VU030575.D

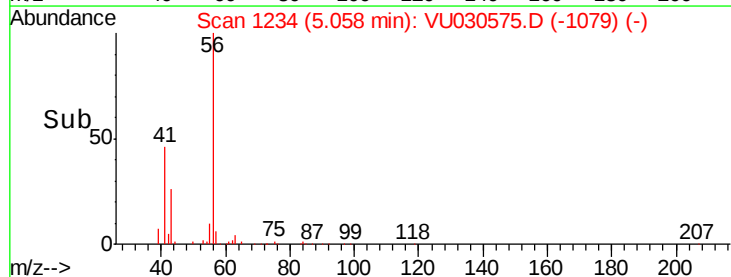
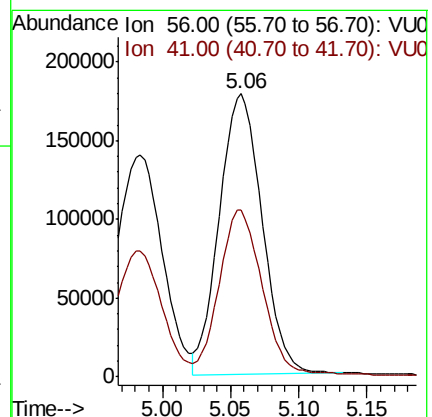
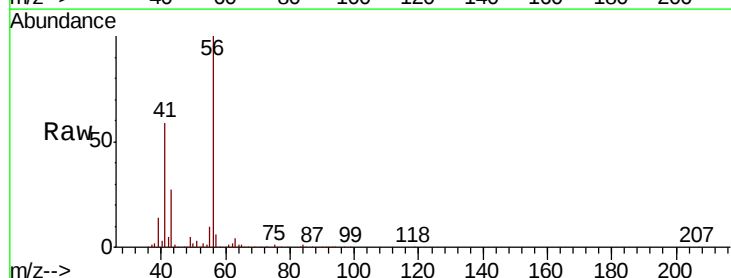
Acq: 30 Mar 2019 15:58

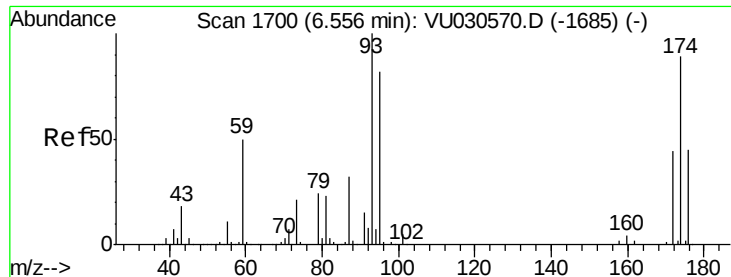
Tgt Ion: 56 Resp: 388081

Ion Ratio Lower Upper

56 100

41 58.4 28.5 85.6





#43

Dibromomethane

Concen: 11.295 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampled :

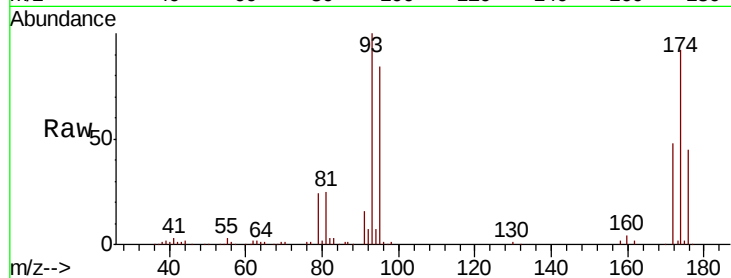
Tot Ion: 93 Resp: 95883

Ion Ratio Lower Upper

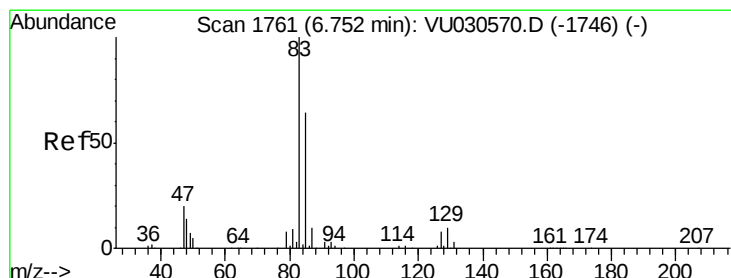
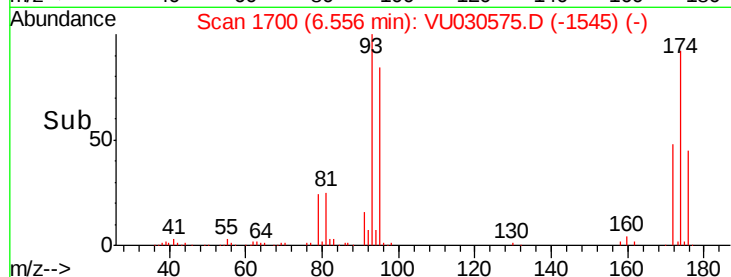
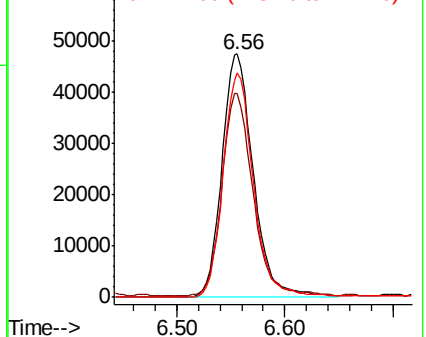
93 100

95 80.8 63.9 95.9

174 89.7 71.0 106.4



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 11.156 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

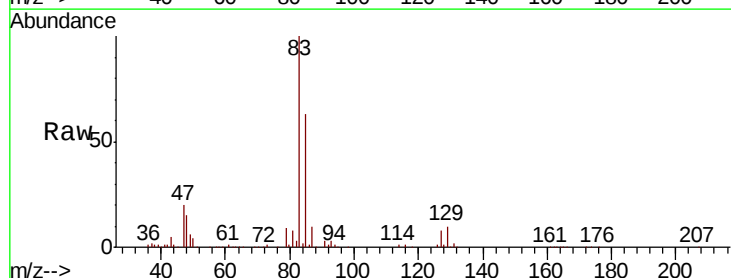
Tgt Ion: 83 Resp: 250624

Ion Ratio Lower Upper

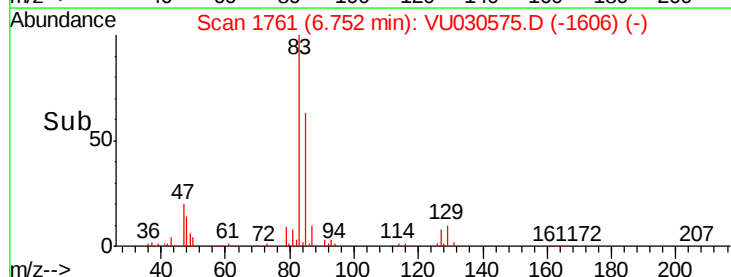
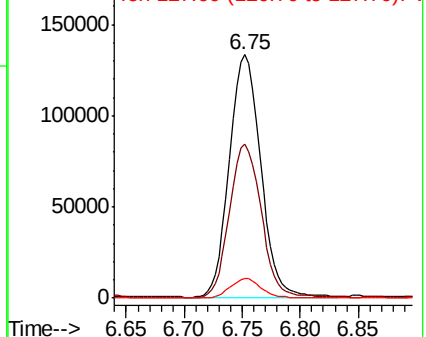
83 100

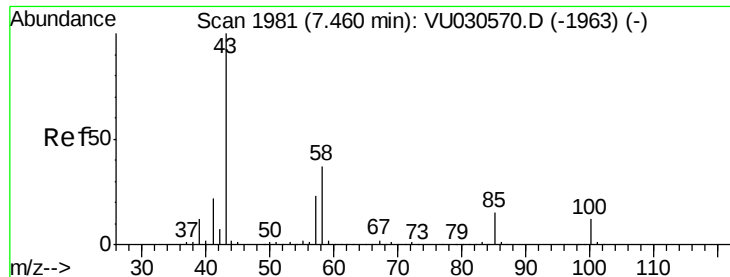
85 63.3 51.1 76.7

127 8.0 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 59.320 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampled :

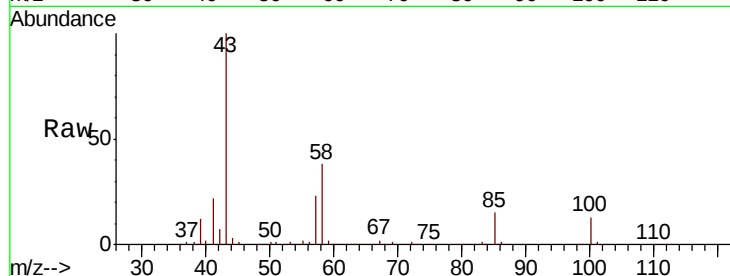
Tot Ion: 43 Resp: 692459

Ion Ratio Lower Upper

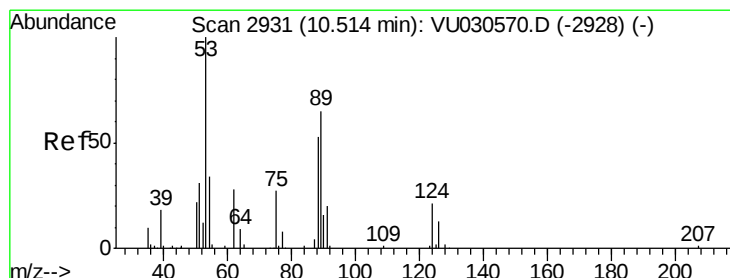
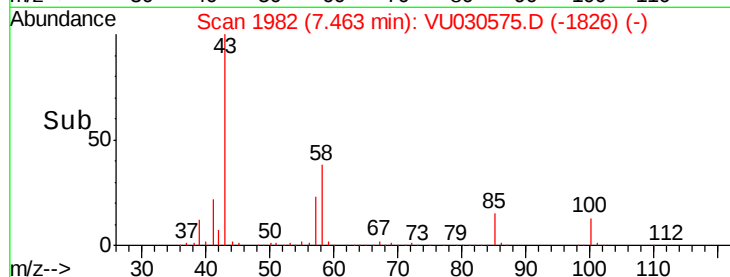
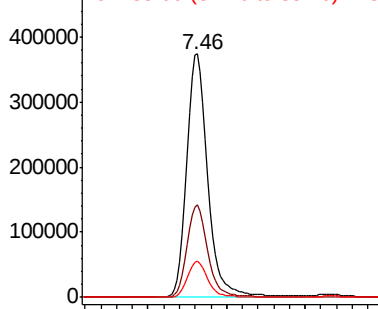
43 100

58 37.3 18.6 55.8

85 14.4 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: 47.769 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion: 75 Resp: 178953

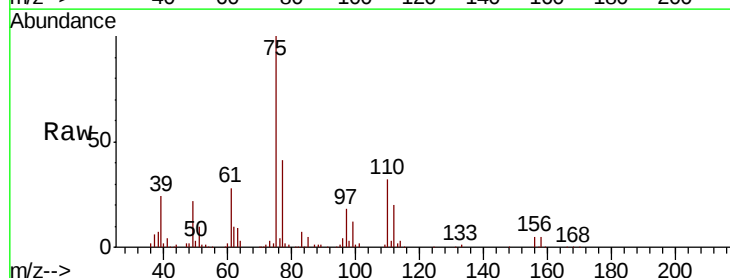
Ion Ratio Lower Upper

75 100

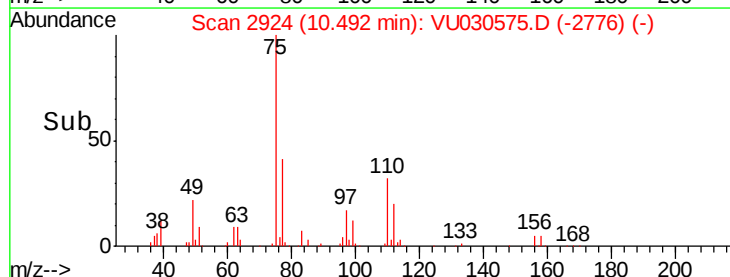
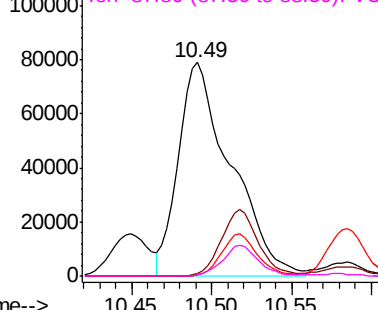
53 21.7 63.4 95.2#

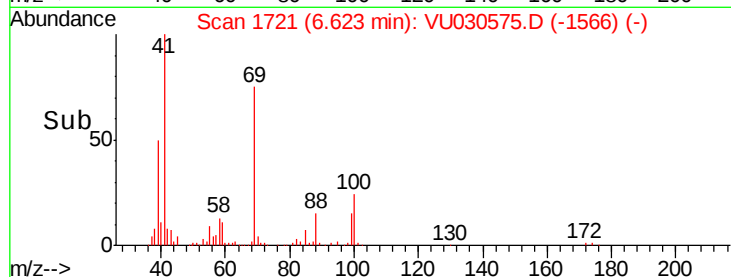
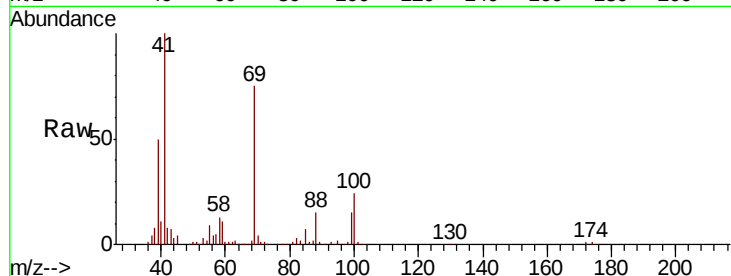
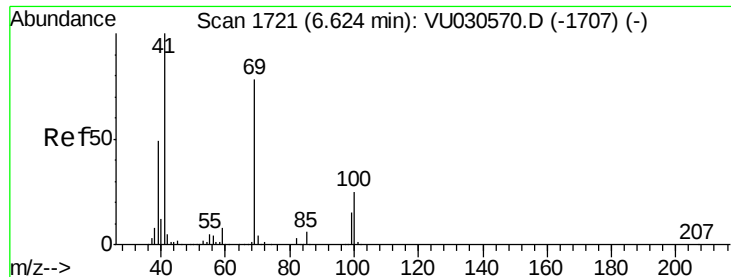
89 13.3 39.1 58.7#

88 9.9 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

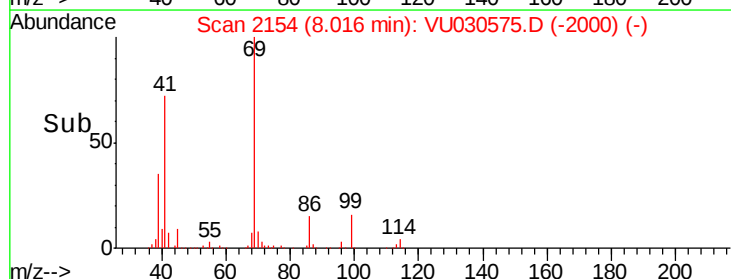
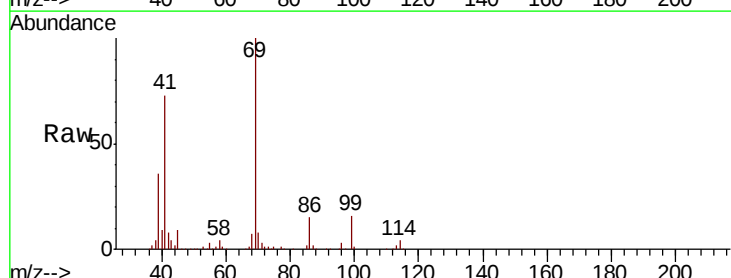
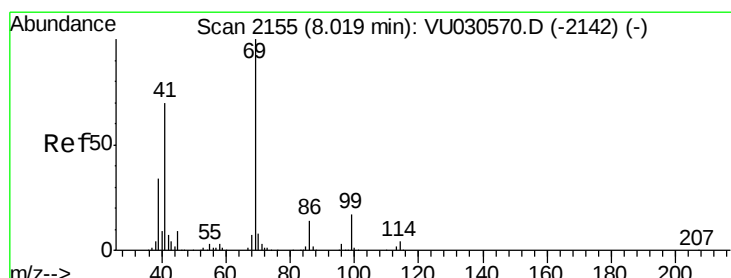
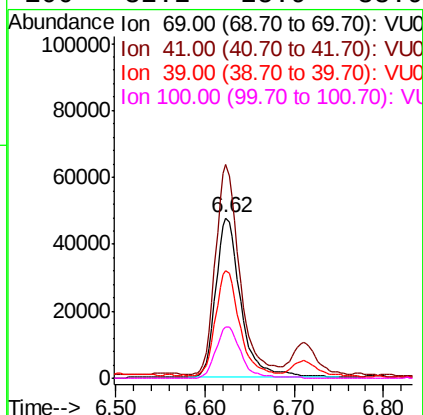




#47
Methyl methacrylate
Concen: 12.845 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

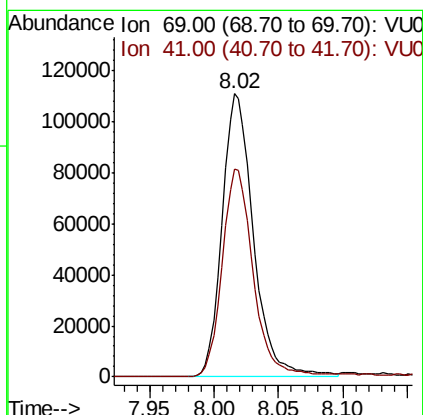
Instrument :
MSVOA_U
ClientSampled :

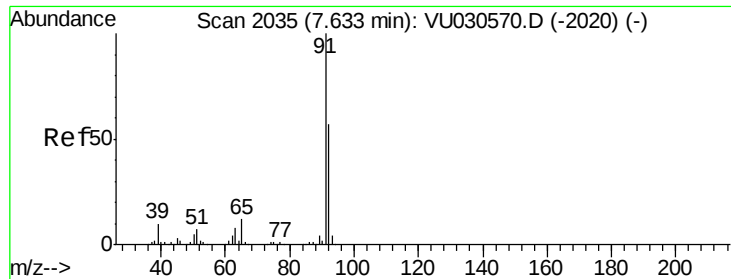
Tot Ion: 69 Resp: 92480
Ion Ratio Lower Upper
69 100
41 125.5 0.0 258.0
39 63.1 51.0 76.4
100 32.2 25.9 38.9



#48
Ethyl methacrylate
Concen: 13.275 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 69 Resp: 187396
Ion Ratio Lower Upper
69 100
41 71.9 36.1 108.5





#49

Toluene

Concen: 11.967 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

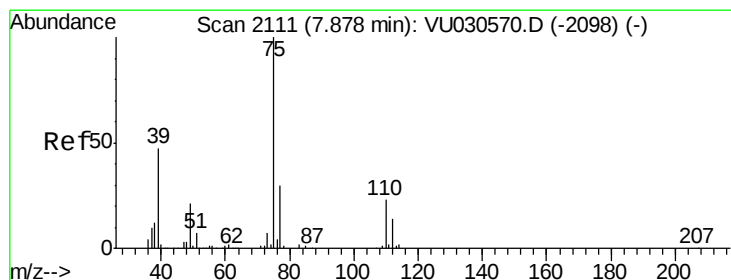
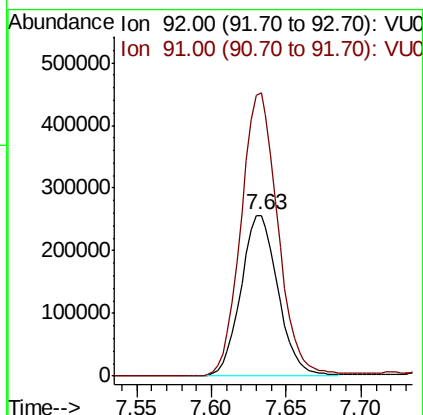
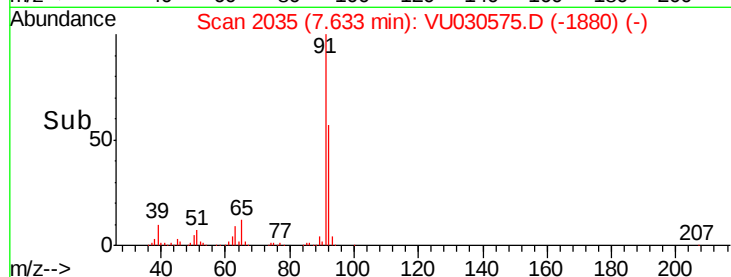
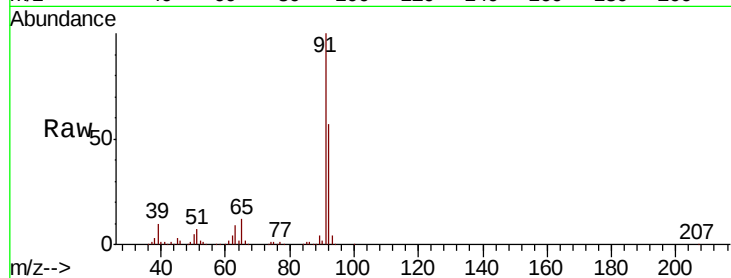
ClientSampled :

Tot Ion: 92 Resp: 443267

Ion Ratio Lower Upper

92 100

91 175.5 140.2 210.4



#50

t-1,3-Dichloropropene

Concen: 12.761 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030575.D

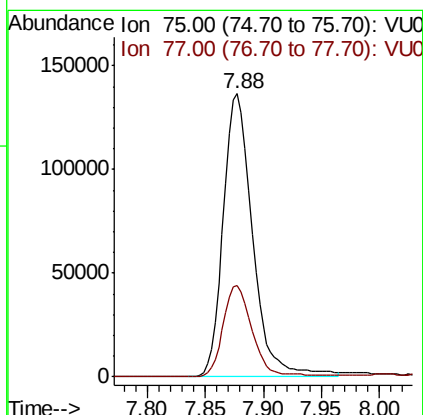
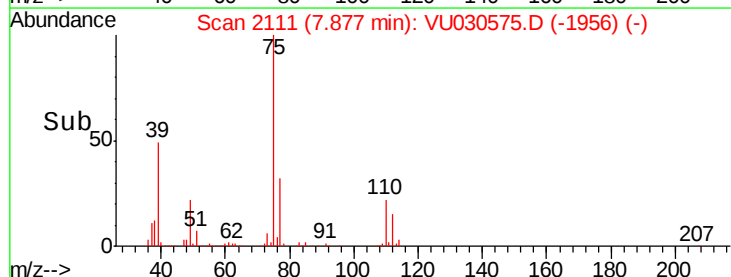
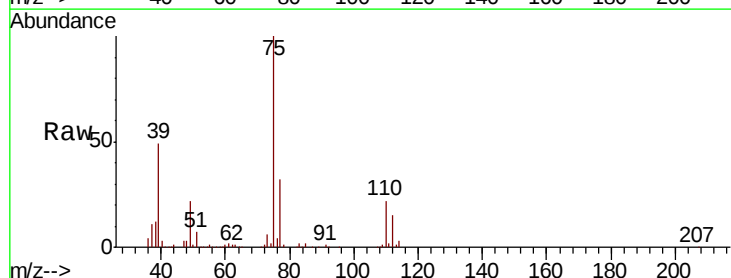
Acq: 30 Mar 2019 15:58

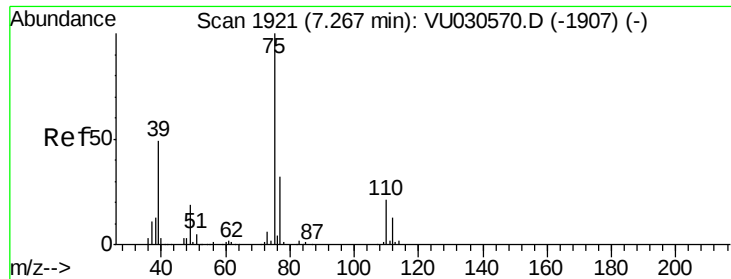
Tgt Ion: 75 Resp: 240239

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



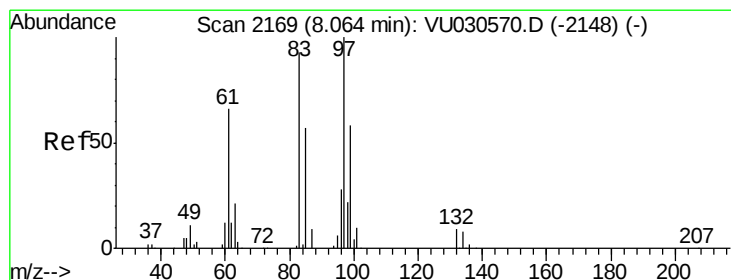
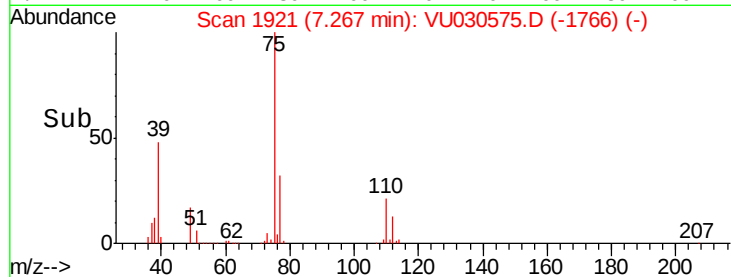
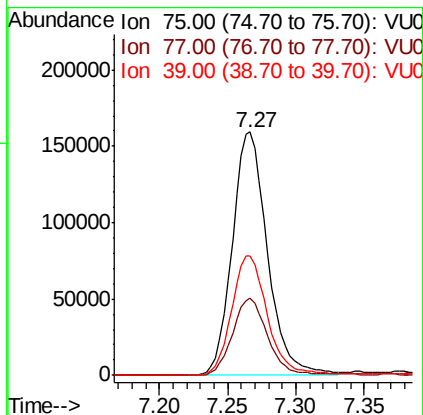
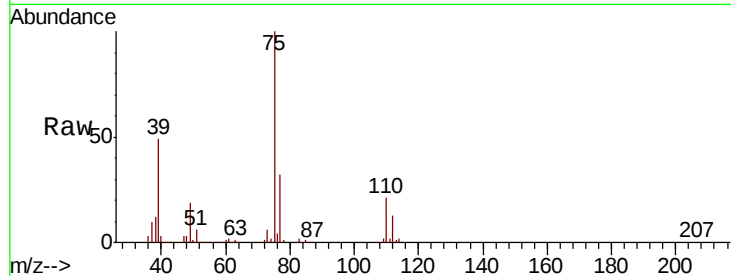


#51

cis-1,3-Dichloropropene
 Concen: 12.191 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :

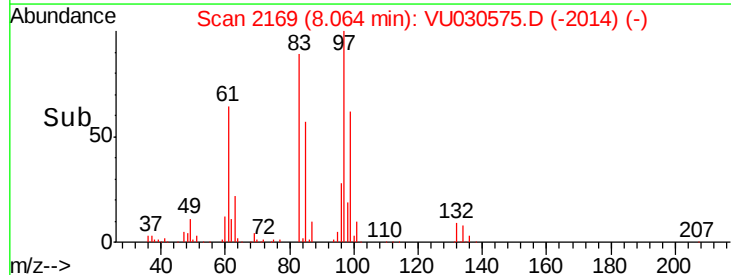
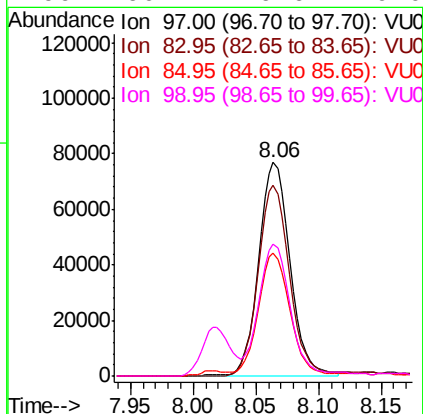
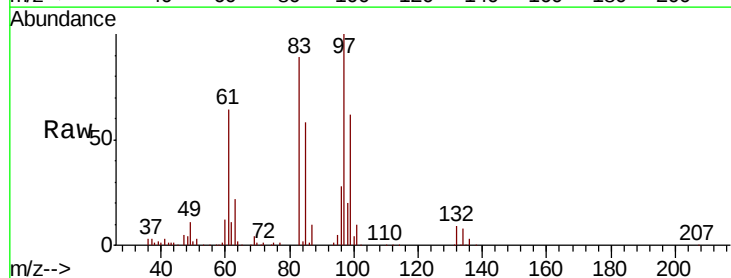
Tot Ion	75	Resp	285413
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.8	38.6
39	48.8	39.3	58.9

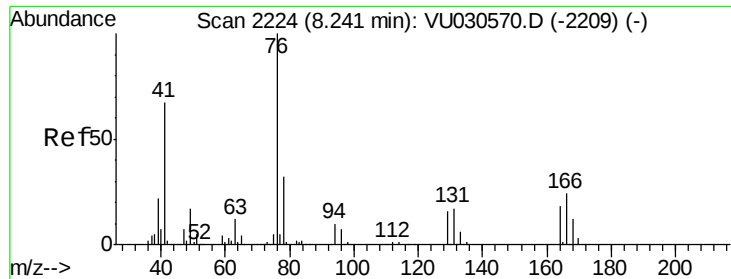


#52

1,1,2-Trichloroethane
 Concen: 11.575 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	97	Resp	133904
Ion Ratio	Lower	Upper	
97	100		
83	89.5	74.3	111.5
85	57.2	45.4	68.0
99	60.4	46.6	70.0

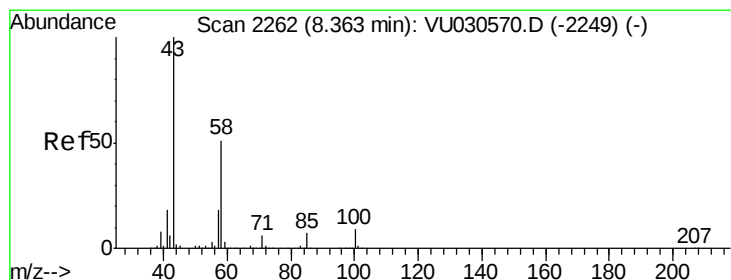
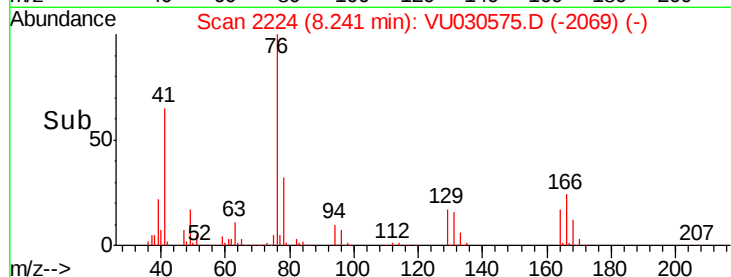
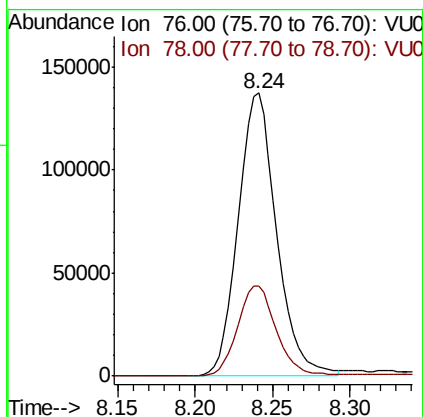
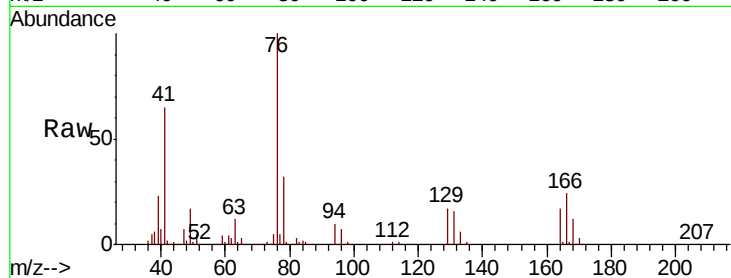




#53
 1,3-Dichloropropane
 Concen: 11.231 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

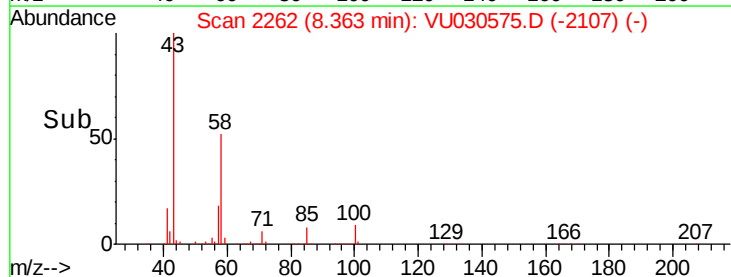
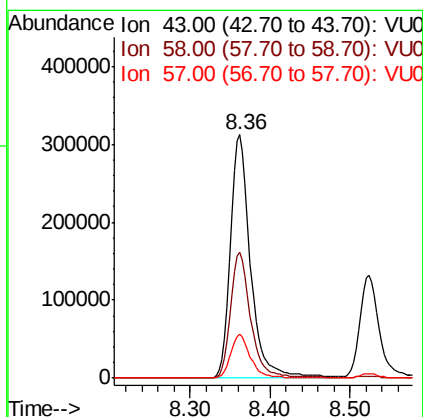
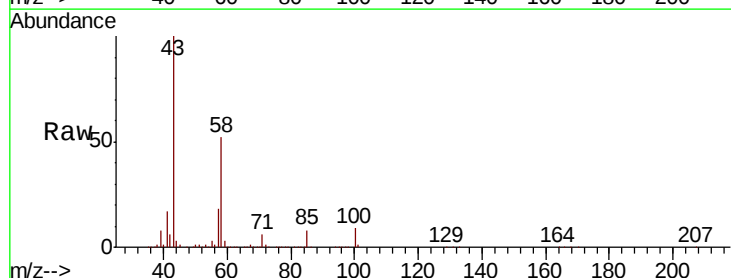
Instrument :
 MSVOA_U
 ClientSampled :

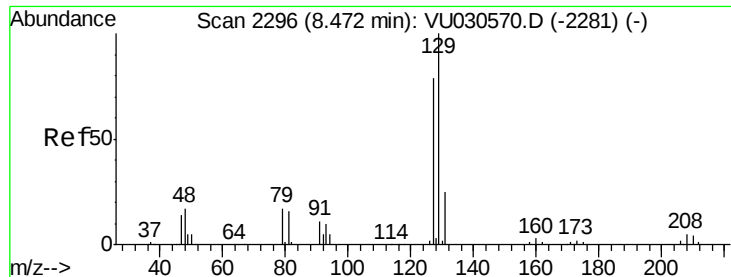
Tot Ion: 76 Resp: 237611
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9



#54
 2-Hexanone
 Concen: 68.130 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion: 43 Resp: 537108
 Ion Ratio Lower Upper
 43 100
 58 51.3 32.5 72.5
 57 17.8 0.0 37.6





#55

Dibromochloromethane

Concen: 11.255 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

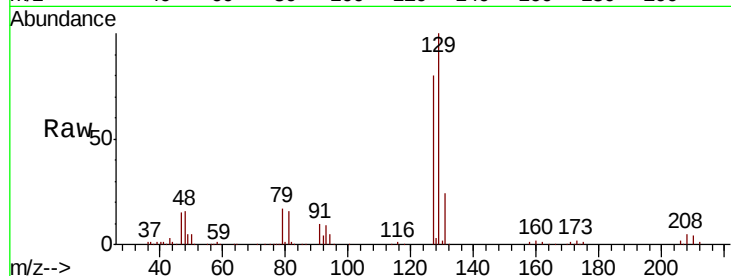
ClientSampleId :

Tot Ion:129 Resp: 150957

Ion Ratio Lower Upper

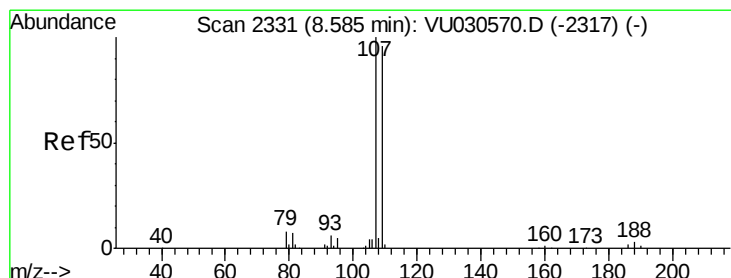
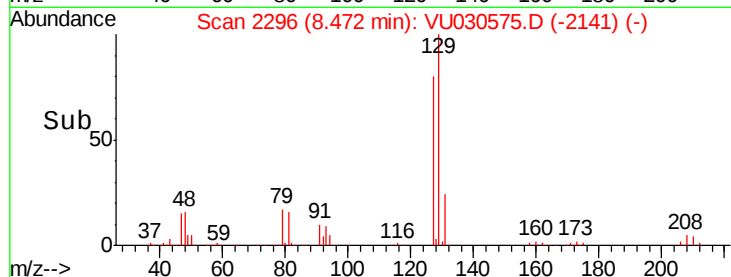
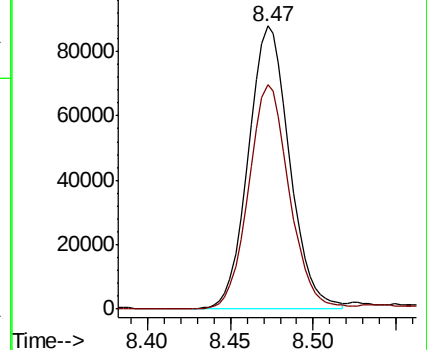
129 100

127 78.7 62.2 93.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 11.844 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030575.D

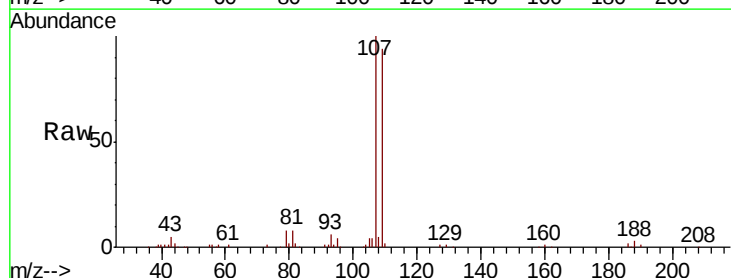
Acq: 30 Mar 2019 15:58

Tgt Ion:107 Resp: 127118

Ion Ratio Lower Upper

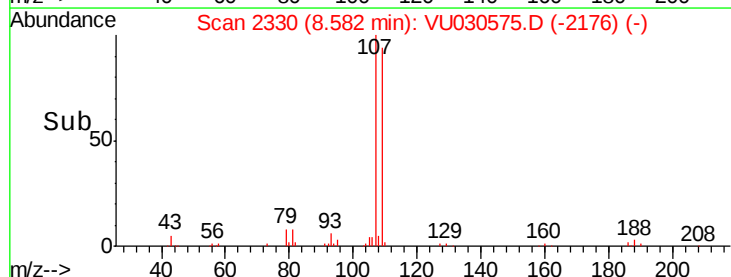
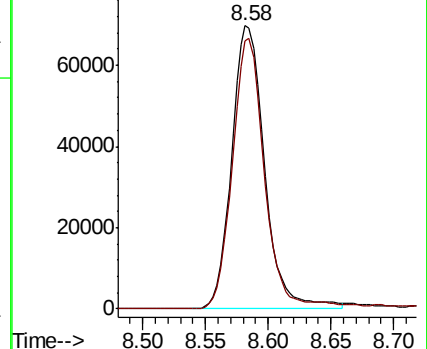
107 100

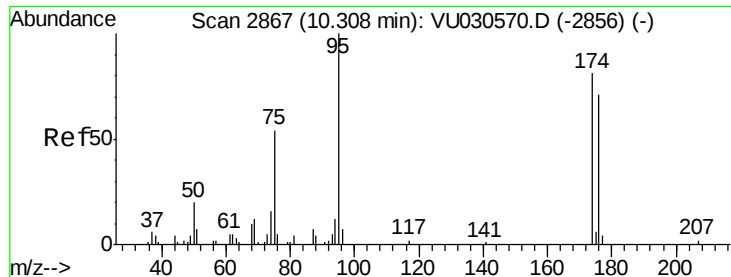
109 91.7 0.0 190.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 11.844 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampled :

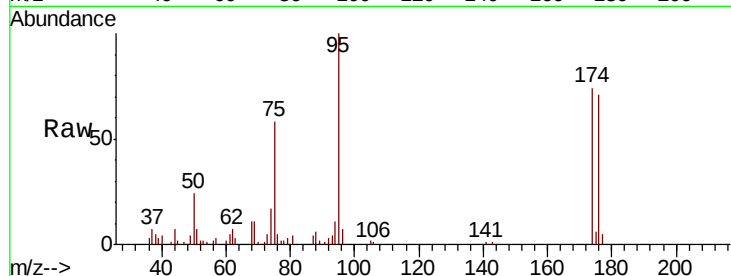
Tot Ion: 95 Resp: 21083

Ion Ratio Lower Upper

95 100

174 74.5 60.5 90.7

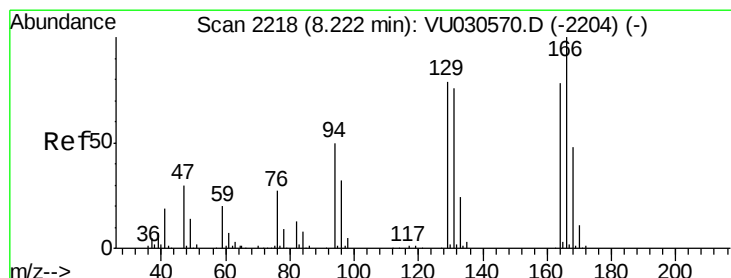
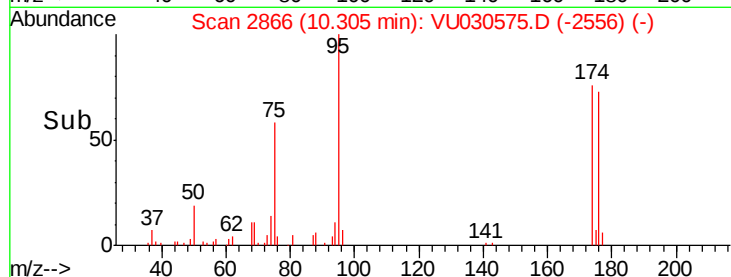
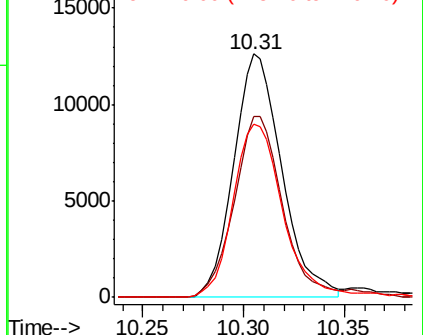
176 73.3 57.9 86.9



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 10.763 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Tgt Ion:164 Resp: 156094

Ion Ratio Lower Upper

164 100

166 126.9 102.4 153.6

129 99.1 81.4 122.0

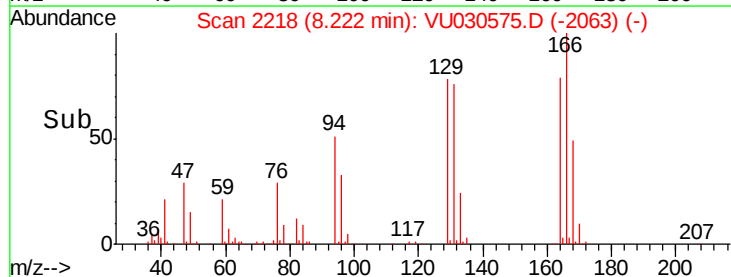
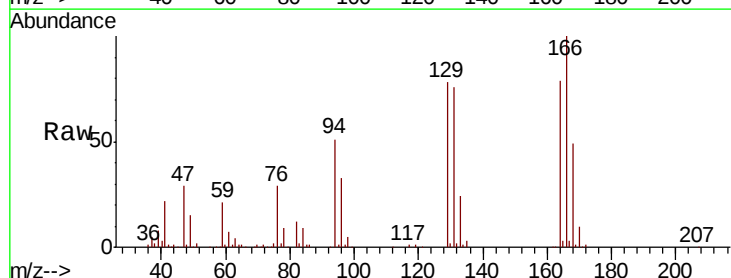
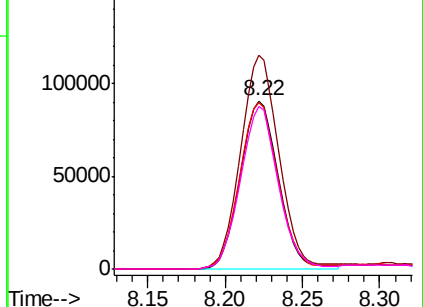
131 96.8 77.7 116.5

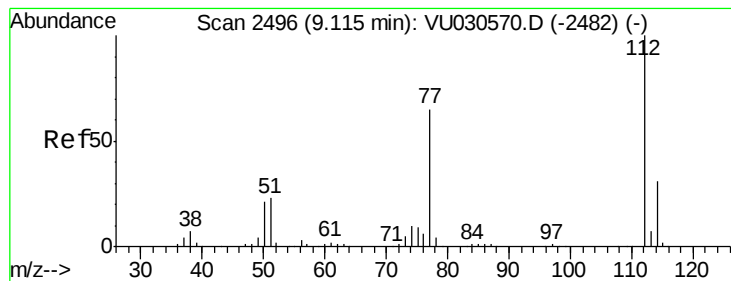
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 11.726 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

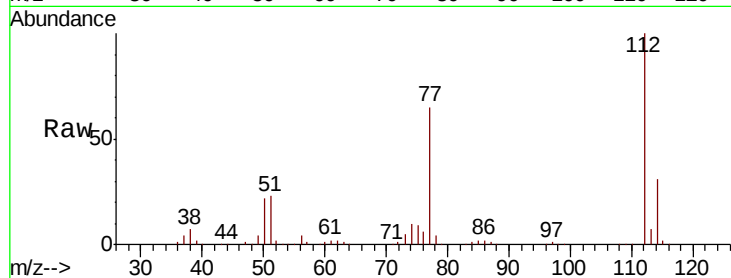
ClientSampled :

Tot Ion:112 Resp: 469321

Ion Ratio Lower Upper

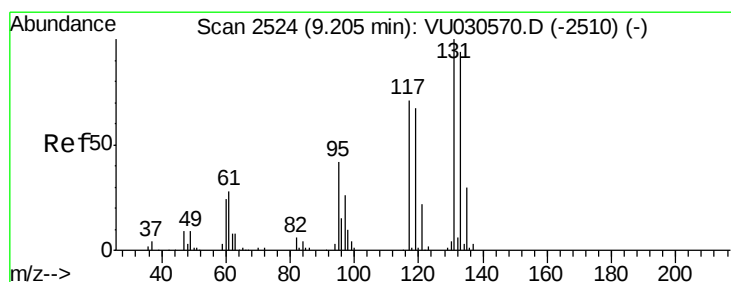
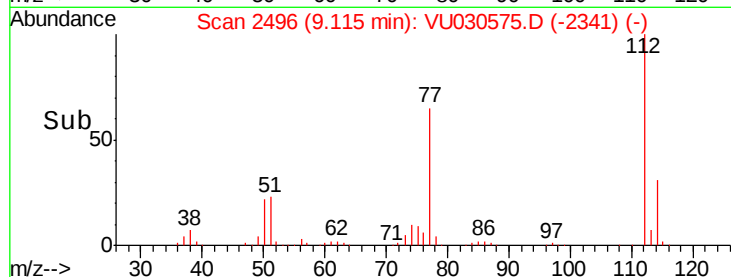
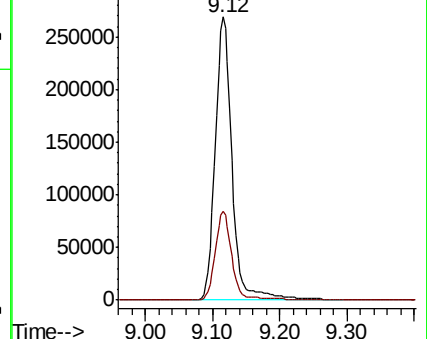
112 100

114 31.5 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 10.798 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

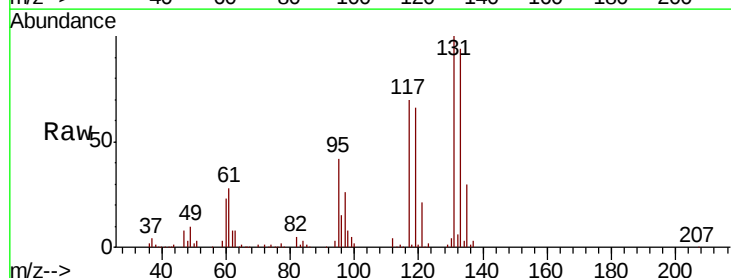
Tgt Ion:131 Resp: 160144

Ion Ratio Lower Upper

131 100

133 100.0 77.5 116.3

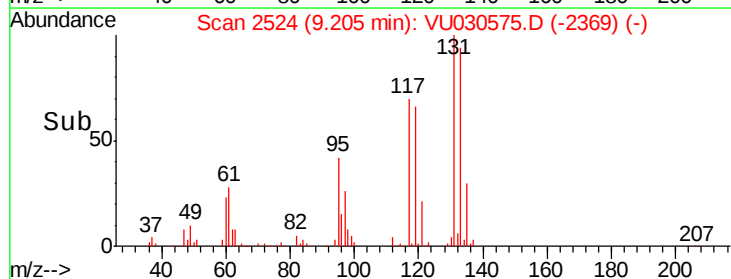
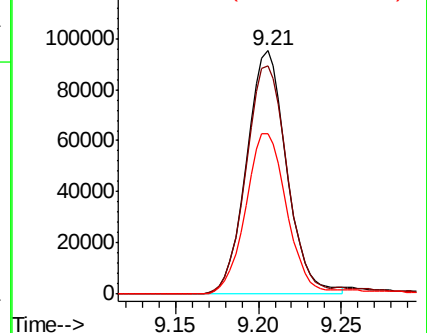
119 67.3 53.2 79.8

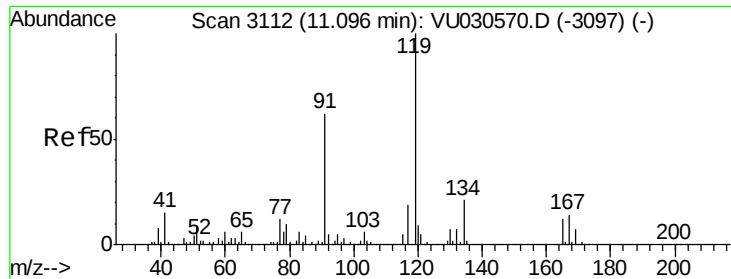


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 11.389 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

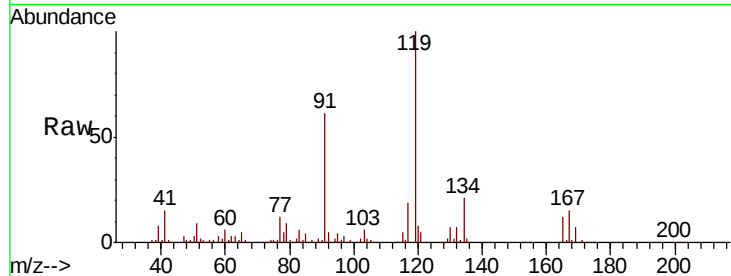
ClientSampleId :

Tot Ion:117 Resp: 130278

Ion Ratio Lower Upper

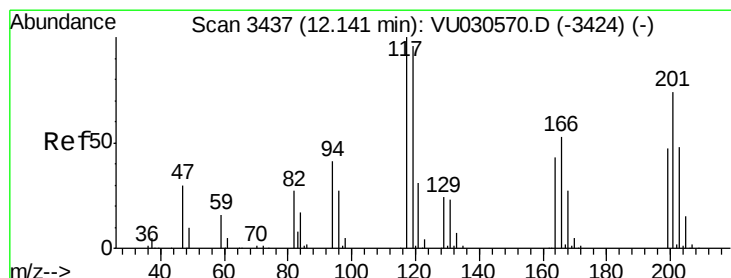
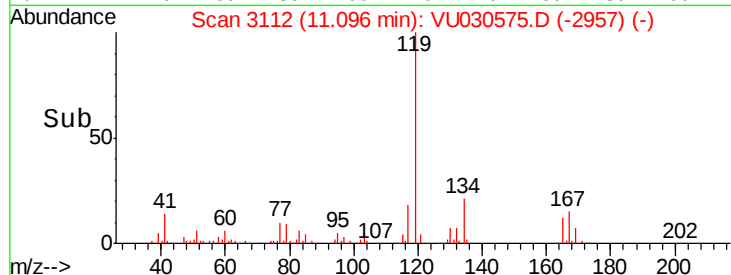
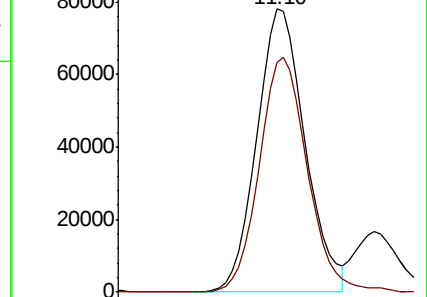
117 100

167 82.8 62.6 93.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 13.000 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU030575.D

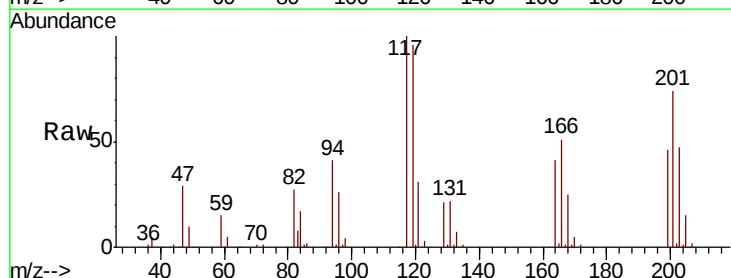
Acq: 30 Mar 2019 15:58

Tgt Ion:117 Resp: 129418

Ion Ratio Lower Upper

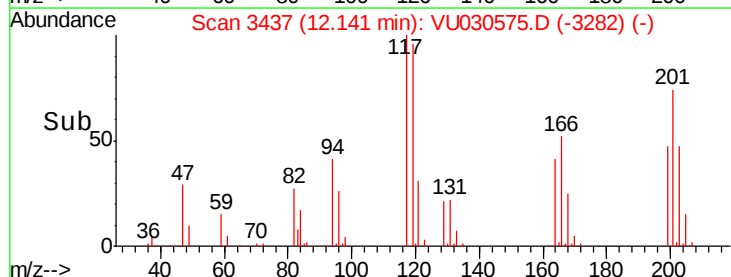
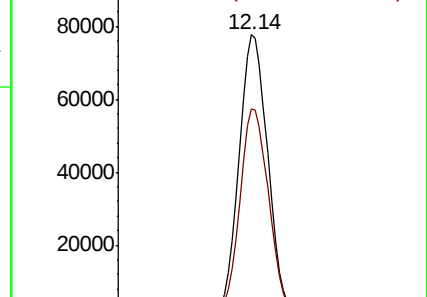
117 100

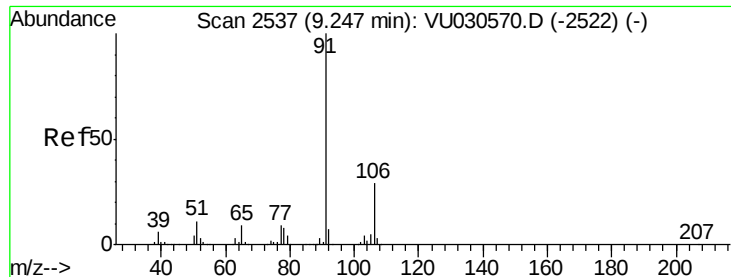
201 74.1 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

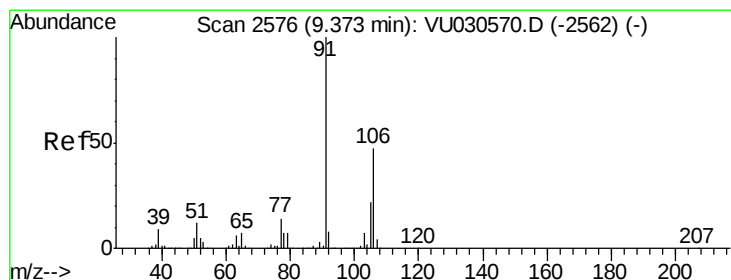
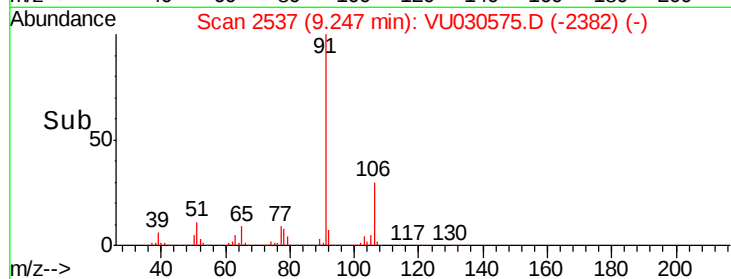
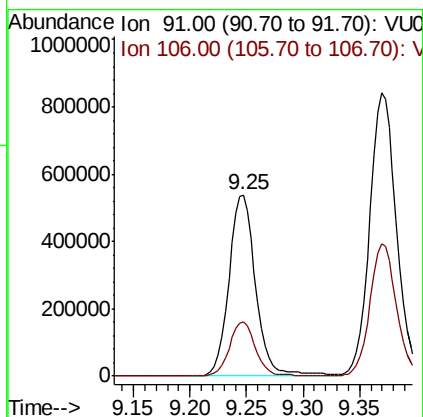
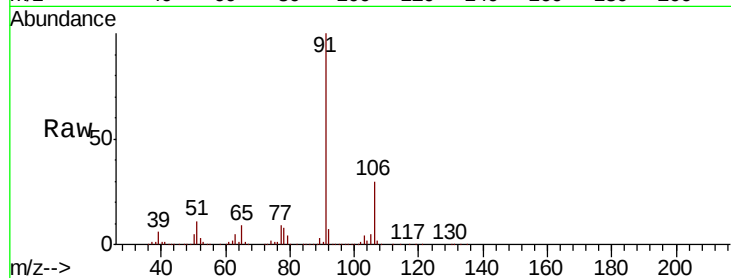




#63
Ethyl Benzene
Concen: 12.525 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

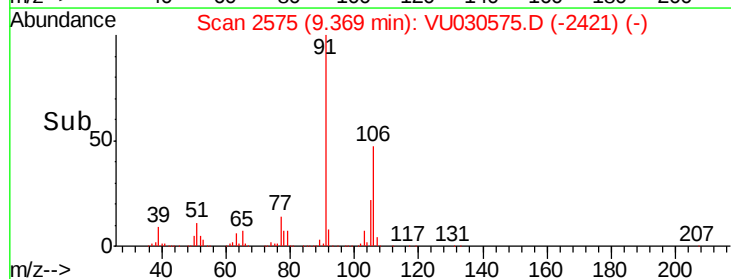
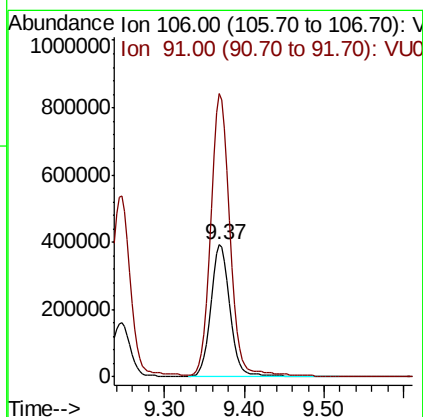
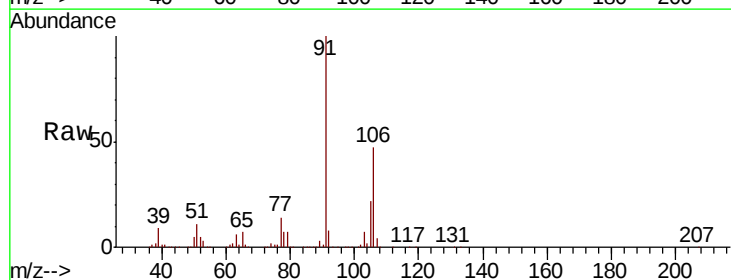
Instrument :
MSVOA_U
ClientSampled :

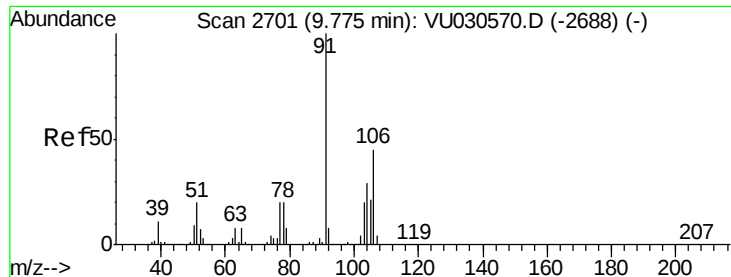
Tot Ion: 91 Resp: 889911
Ion Ratio Lower Upper
91 100
106 29.9 23.1 34.7



#64
m/p-Xylenes
Concen: 25.198 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion: 106 Resp: 654866
Ion Ratio Lower Upper
106 100
91 214.3 179.4 269.0





#65

o-Xylene

Concen: 12.180 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

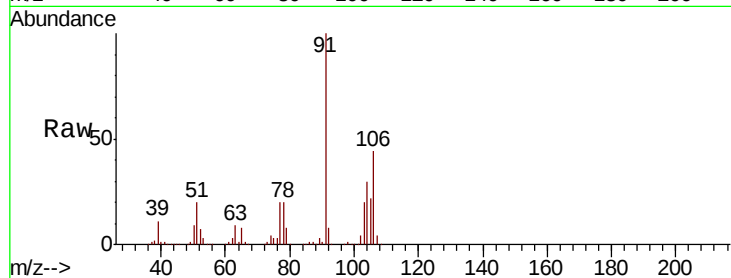
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 304334

Ion Ratio Lower Upper

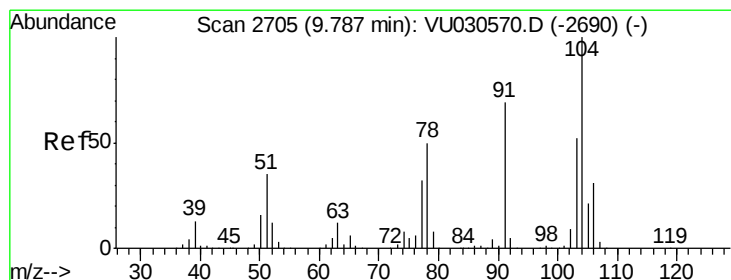
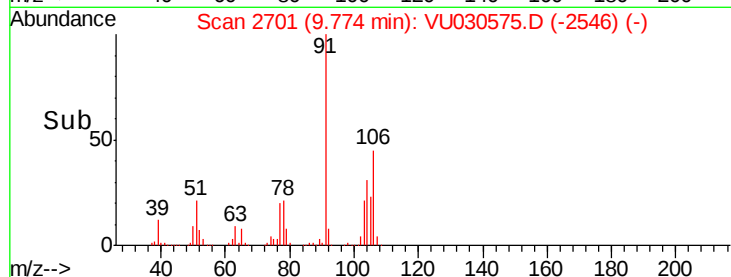
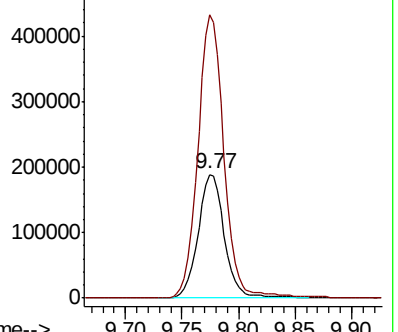
106 100

91 227.9 115.5 346.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 13.062 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

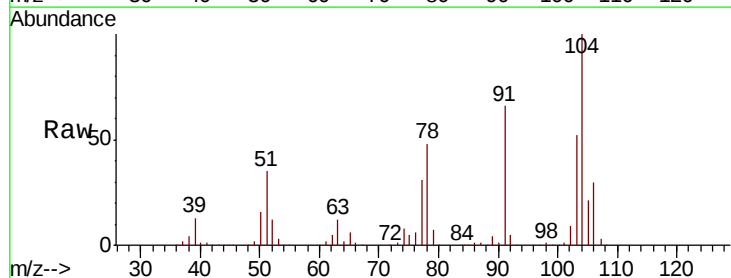
Tgt Ion:104 Resp: 550048

Ion Ratio Lower Upper

104 100

78 52.9 42.3 63.5

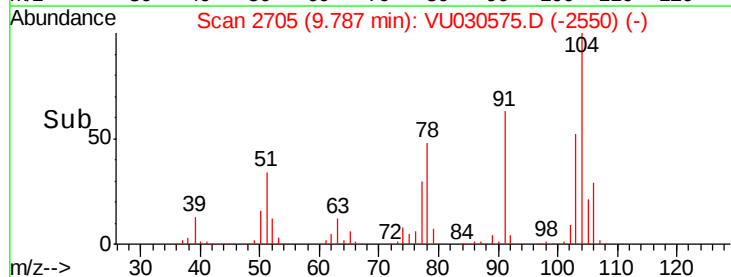
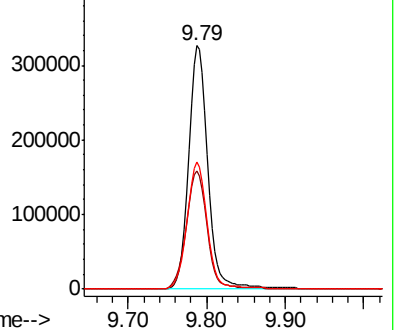
103 55.2 44.7 67.1

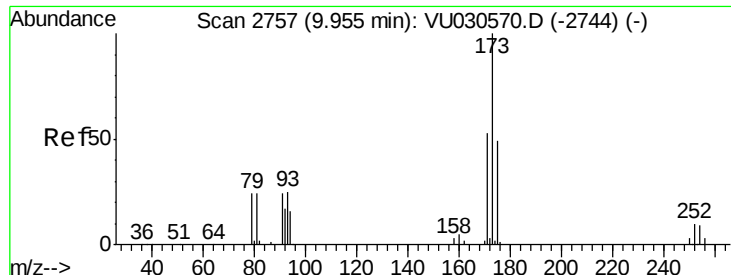


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

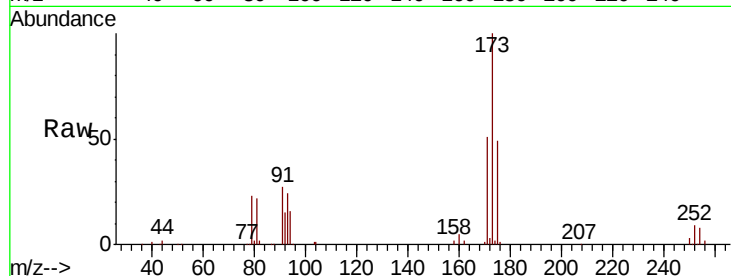




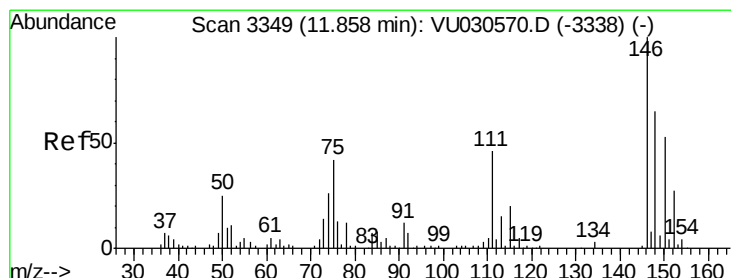
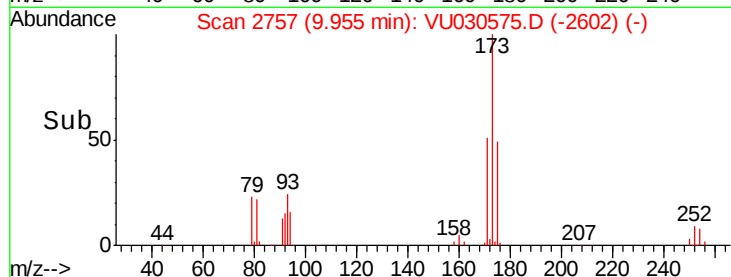
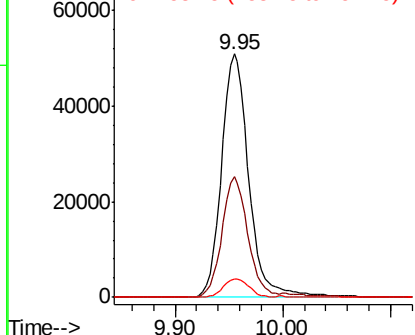
#67
Bromoform
Concen: 12.155 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 89294
Ion Ratio Lower Upper
173 100
175 46.9 38.6 57.8
254 7.4 6.9 10.3

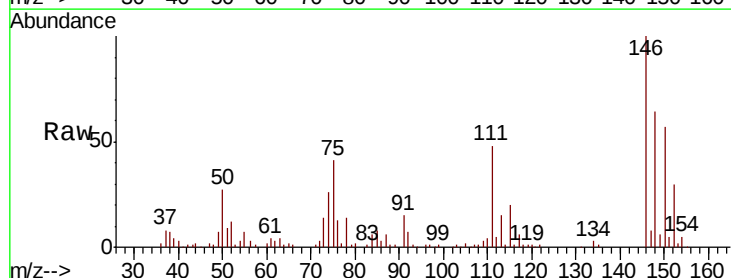


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

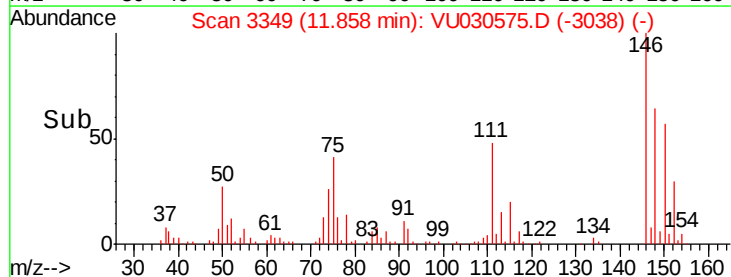
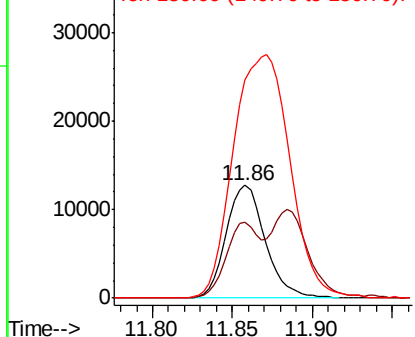


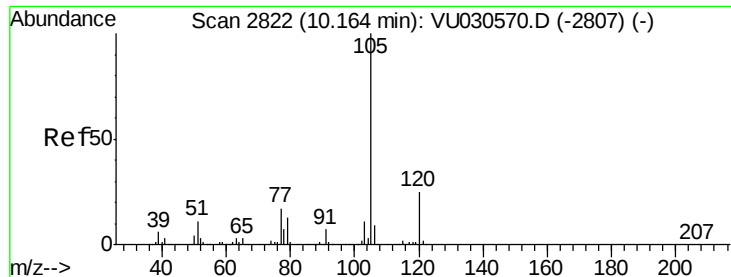
#68
1,2-Dichlorobenzene-d4
Concen: 12.155 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU030575.D
Acq: 30 Mar 2019 15:58

Tgt Ion:152 Resp: 21201
Ion Ratio Lower Upper
152 100
115 55.8 0.0 136.2
150 314.6 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: 12.524 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

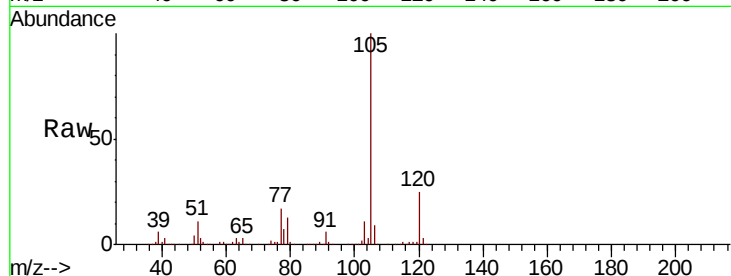
ClientSampleId :

Tot Ion:105 Resp: 851504

Ion Ratio Lower Upper

105 100

120 24.8 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

600000

500000

400000

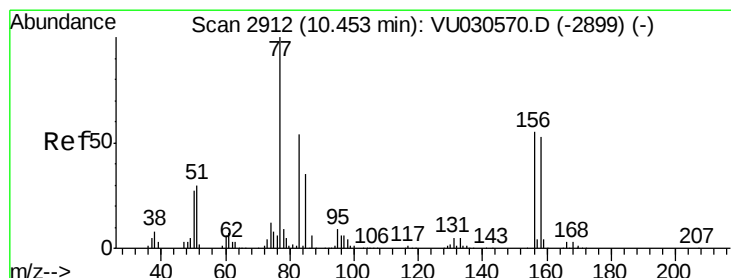
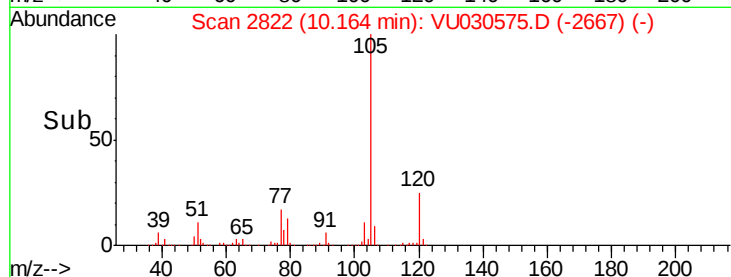
300000

200000

100000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 11.089 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

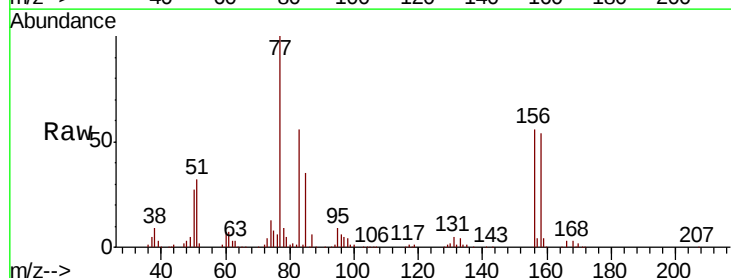
Tgt Ion: 83 Resp: 179602

Ion Ratio Lower Upper

83 100

131 8.9 7.0 10.6

85 63.4 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

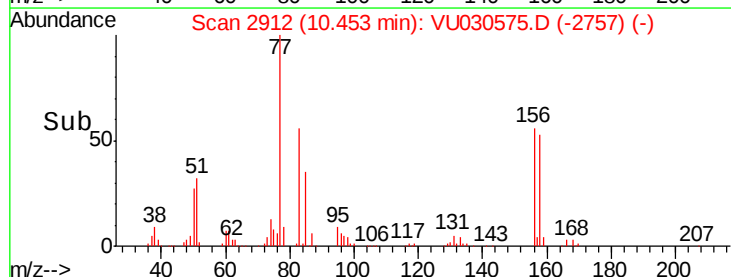
10.45

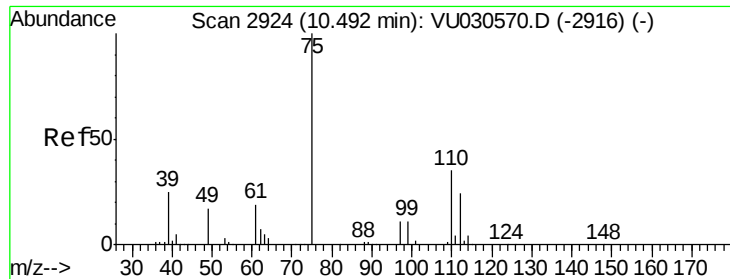
100000

50000

0

Time-->





#71

1,2,3-Trichloropropane

Concen: 17.331 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 178953

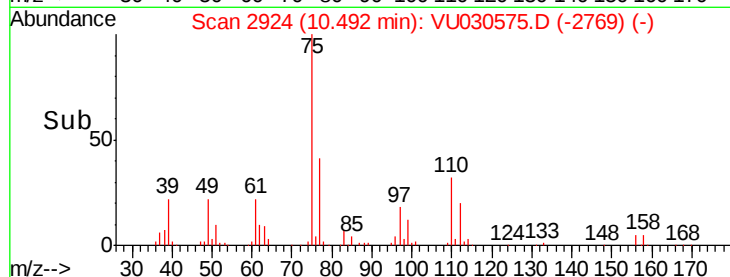
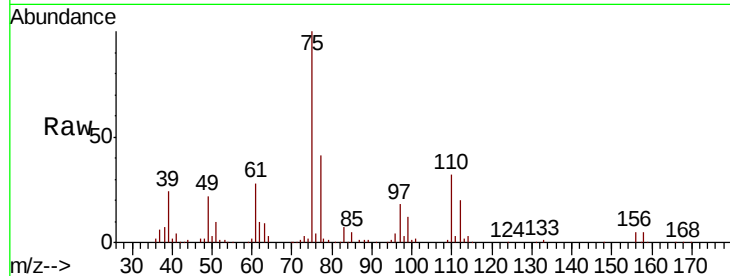
Ion Ratio Lower Upper

75 100

77 34.5 0.0 0.0#

110 23.9 0.0 83.8

97 13.2 0.0 42.8

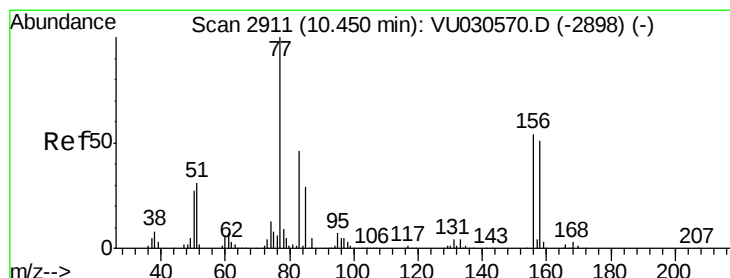
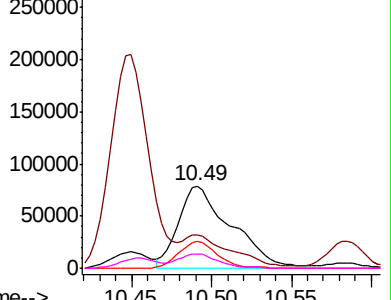


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 11.746 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

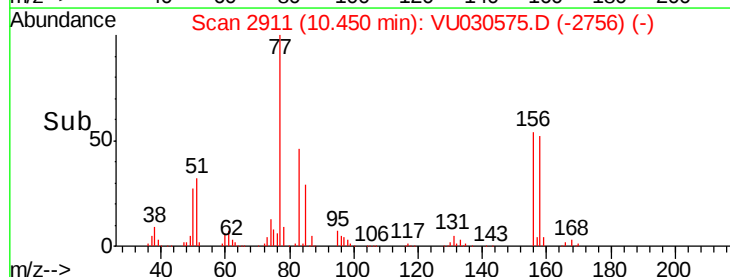
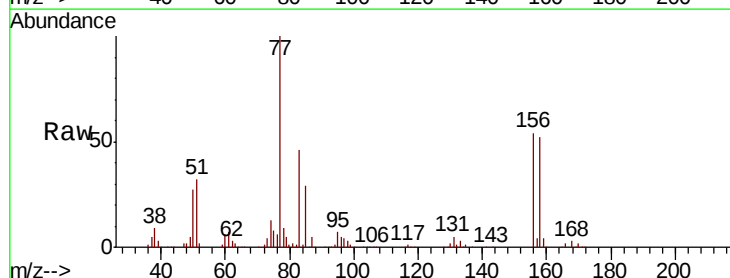
Tgt Ion: 156 Resp: 191619

Ion Ratio Lower Upper

156 100

77 179.3 0.0 363.0

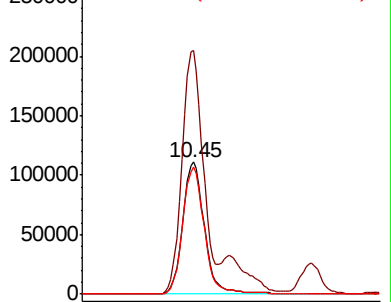
158 96.4 0.0 193.2

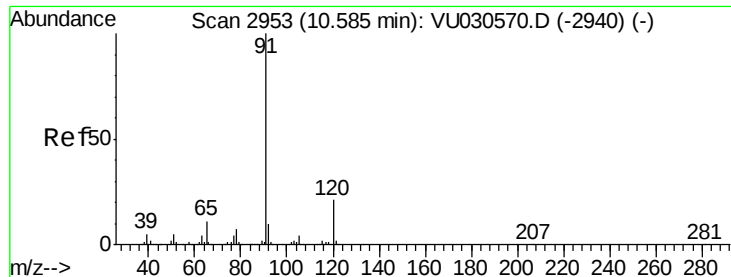


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 12.664 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

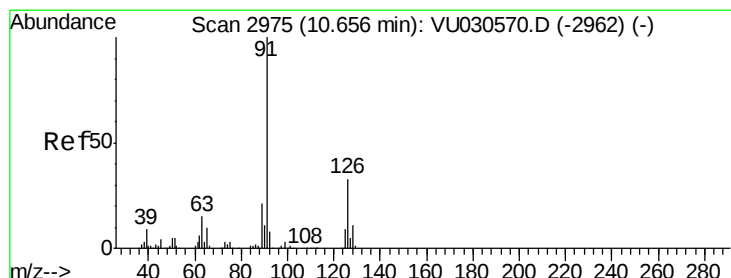
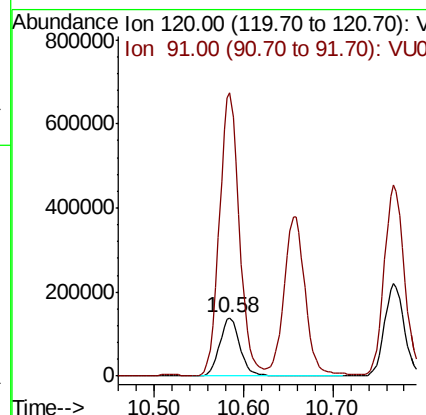
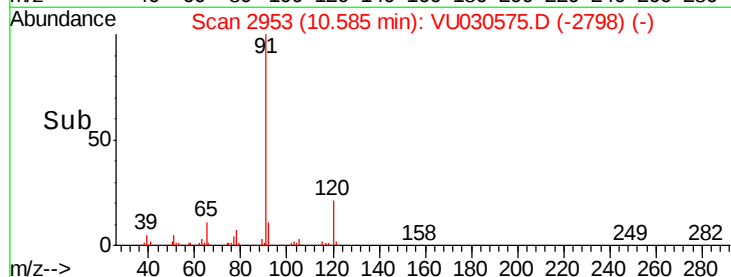
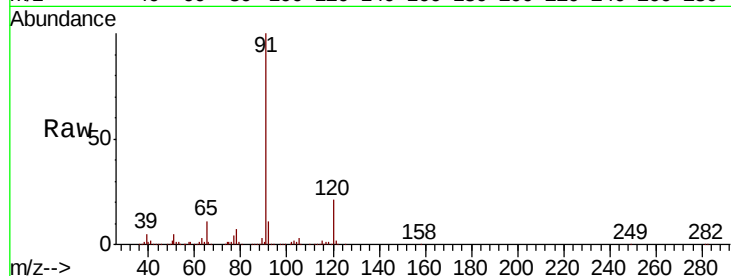
ClientSampleId :

Tot Ion:120 Resp: 220694

Ion Ratio Lower Upper

120 100

91 471.7 371.6 557.4



#74

2-Chlorotoluene

Concen: 11.838 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030575.D

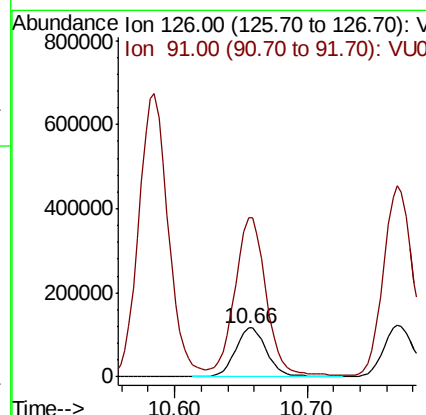
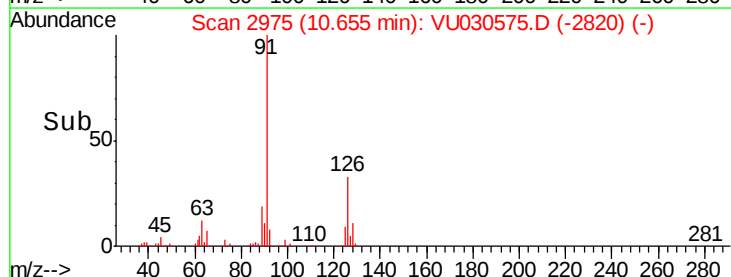
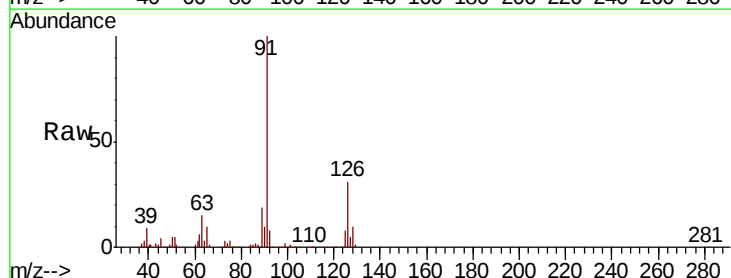
Acq: 30 Mar 2019 15:58

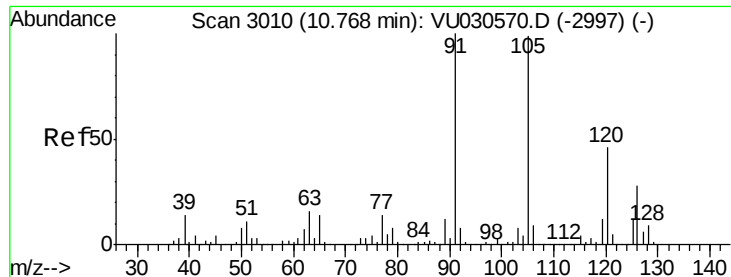
Tgt Ion:126 Resp: 191356

Ion Ratio Lower Upper

126 100

91 329.5 0.0 656.8





#75

1,3,5-Trimethylbenzene

Concen: 12.982 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

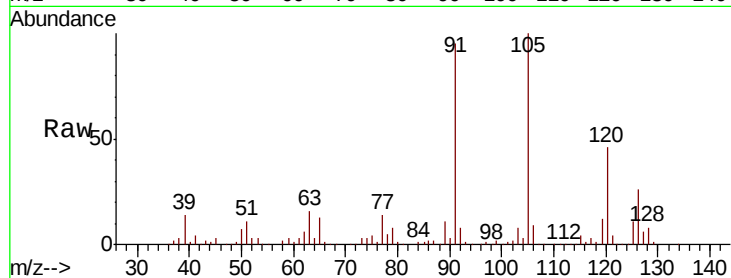
ClientSampleId :

Tot Ion:105 Resp: 741949

Ion Ratio Lower Upper

105 100

120 46.4 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

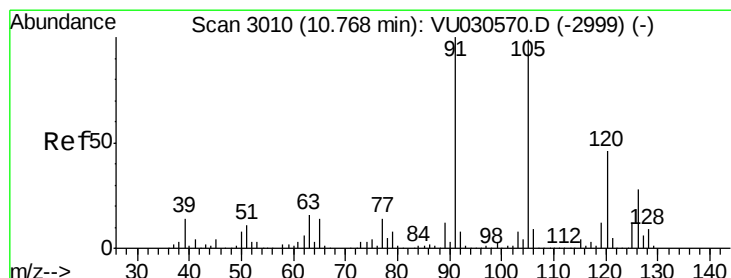
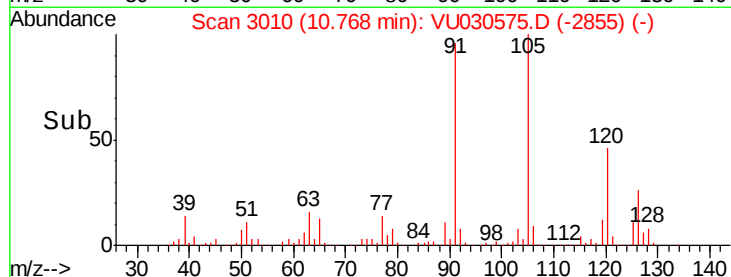
300000

200000

100000

0

Time--> 10.70 10.80 10.90



#76

4-Chlorotoluene

Concen: 12.287 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030575.D

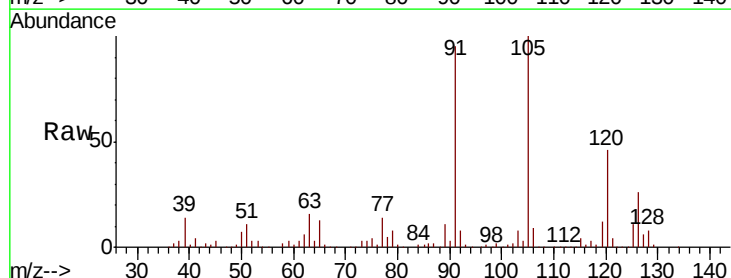
Acq: 30 Mar 2019 15:58

Tgt Ion:126 Resp: 201902

Ion Ratio Lower Upper

126 100

91 363.1 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

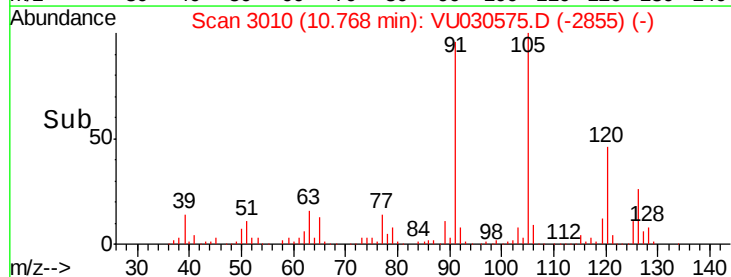
300000

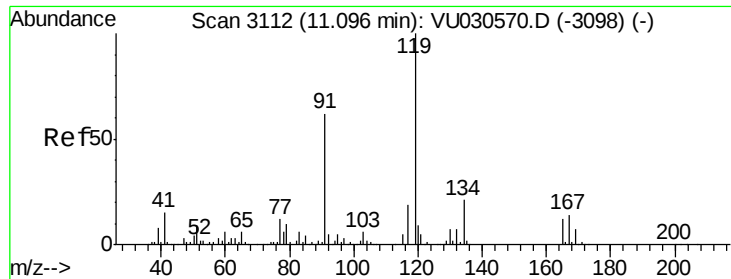
200000

100000

0

Time--> 10.70 10.80 10.90





#77

tert-Butylbenzene

Concen: 12.300 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

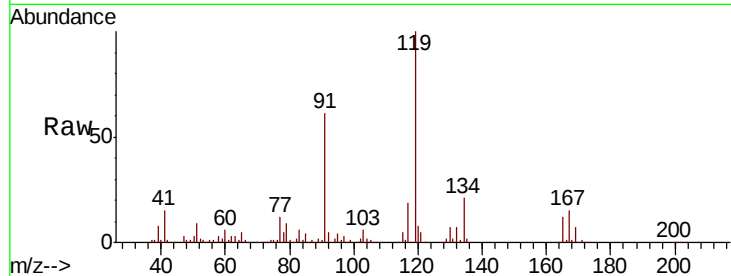
Tot Ion:119 Resp: 665787

Ion Ratio Lower Upper

119 100

91 61.1 30.9 92.8

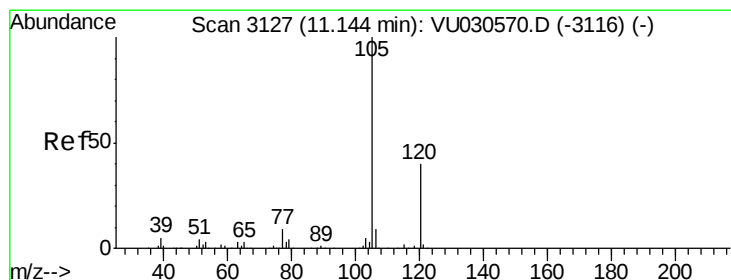
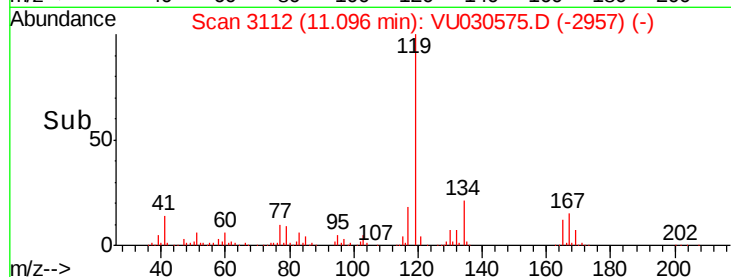
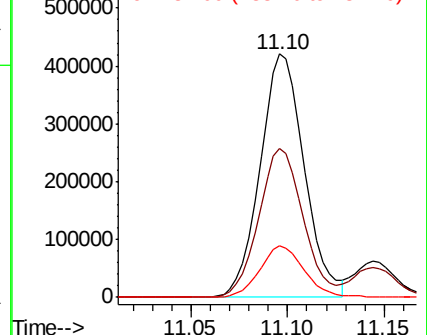
134 21.5 17.6 26.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 12.950 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. -0.00 min

Lab File: VU030575.D

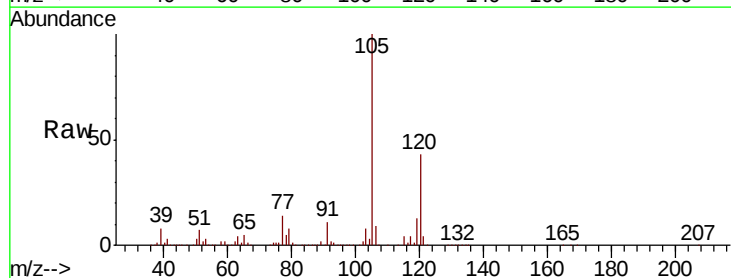
Acq: 30 Mar 2019 15:58

Tgt Ion:105 Resp: 733717

Ion Ratio Lower Upper

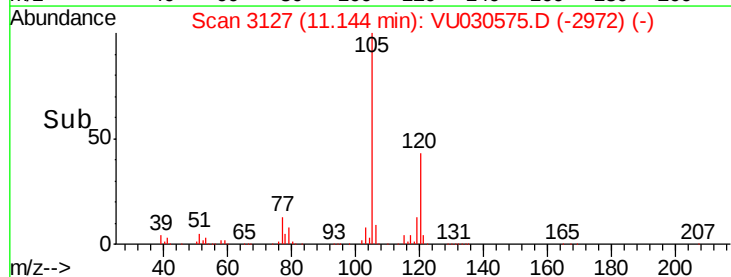
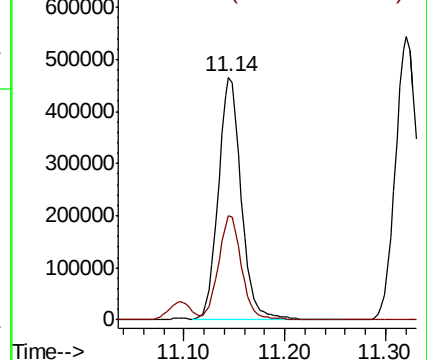
105 100

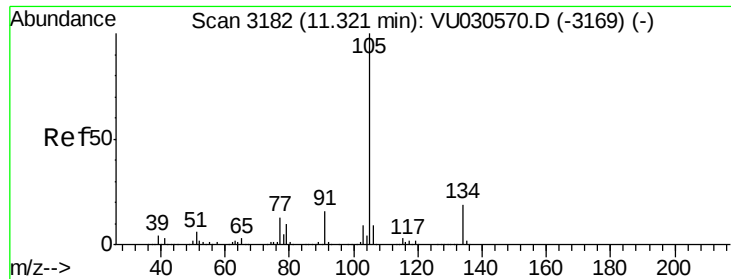
120 43.5 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.689 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

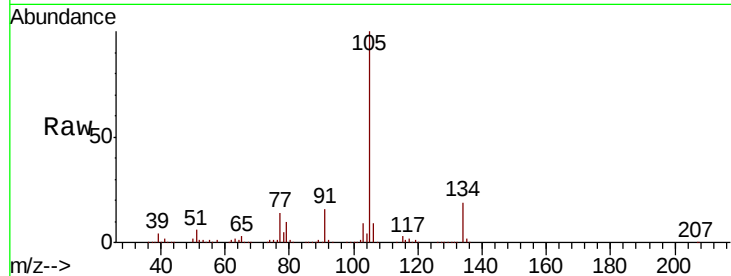
ClientSampled :

Tot Ion:105 Resp: 859818

Ion Ratio Lower Upper

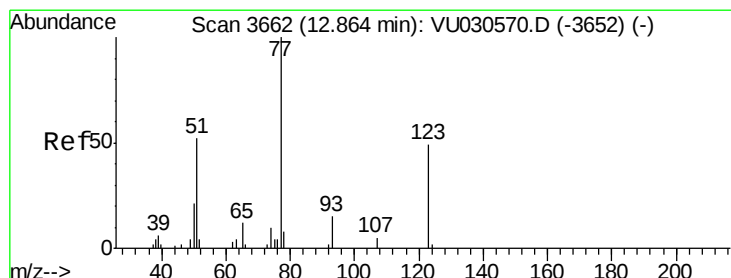
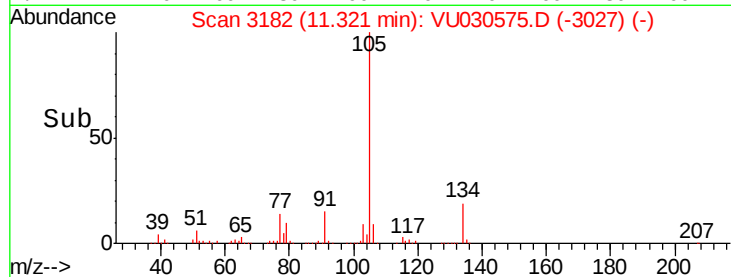
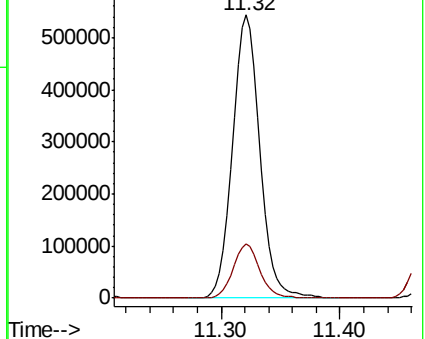
105 100

134 18.8 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: 23.861 ug/l

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

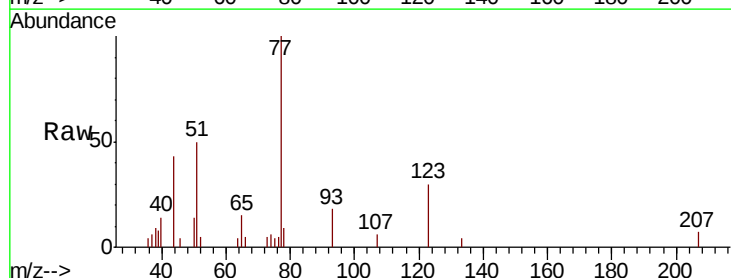
Tgt Ion: 77 Resp: 5207

Ion Ratio Lower Upper

77 100

123 34.2 17.5 62.1

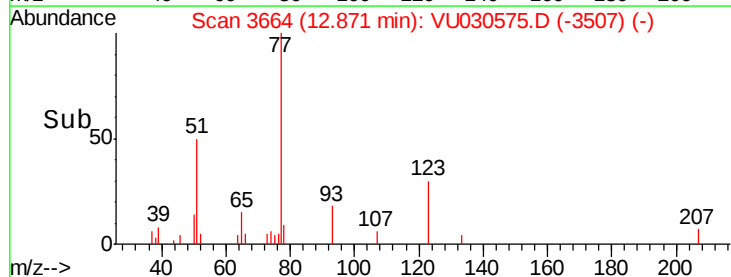
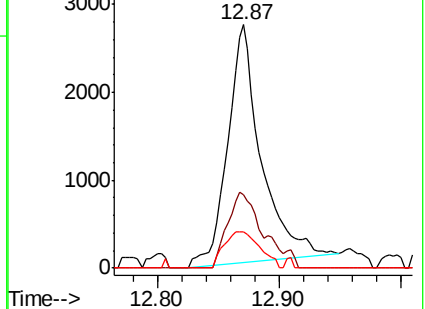
65 16.3 8.1 10.3#

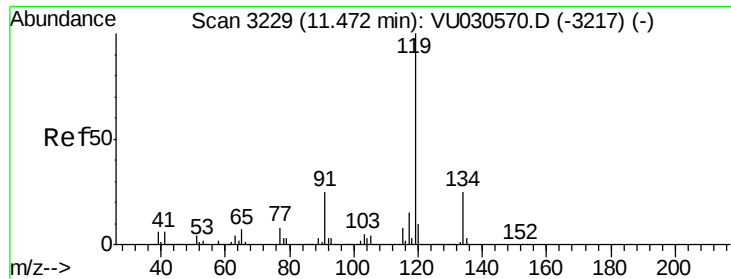


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

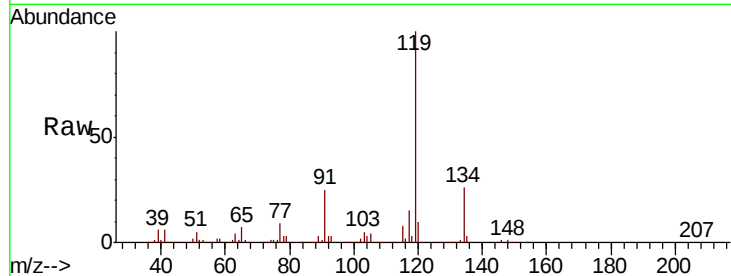




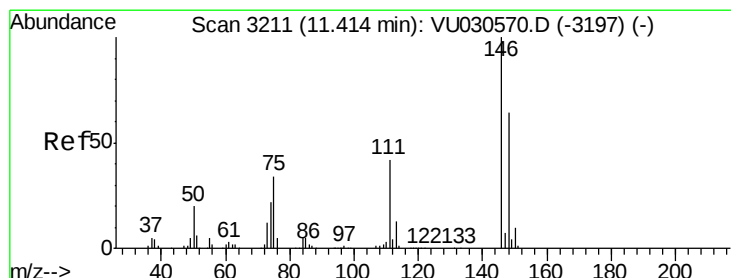
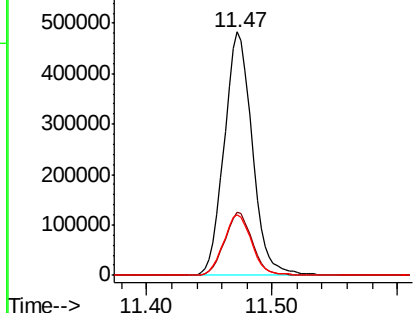
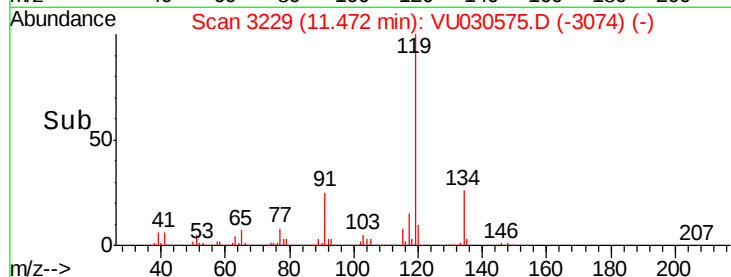
#81
 p-Isopropyltoluene
 Concen: 13.183 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 744823
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 31.0
 91 25.0 20.4 30.6

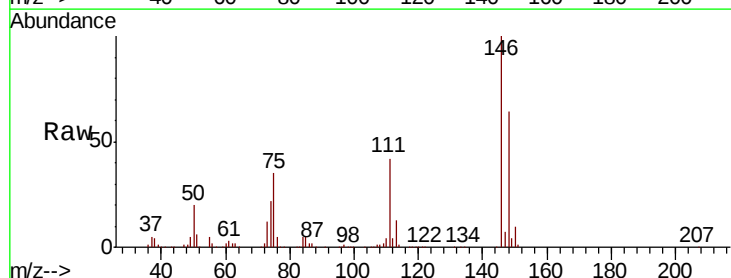


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

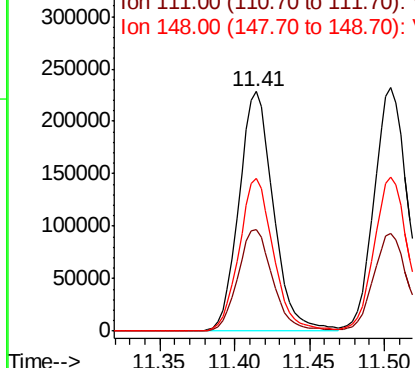
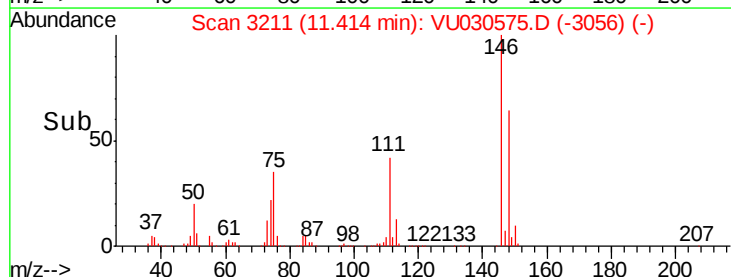


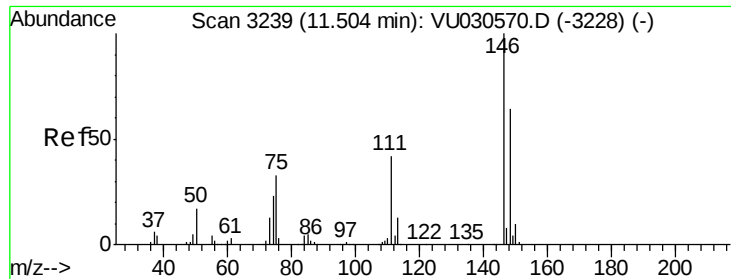
#82
 1,3-Dichlorobenzene
 Concen: 11.233 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion:146 Resp: 366171
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.0 51.0
 148 63.5 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

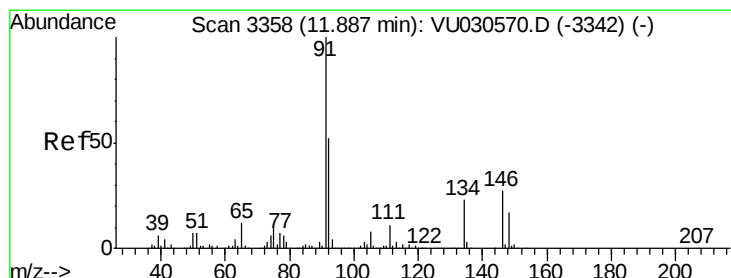
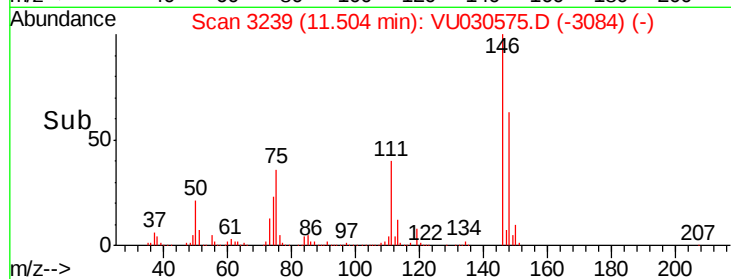
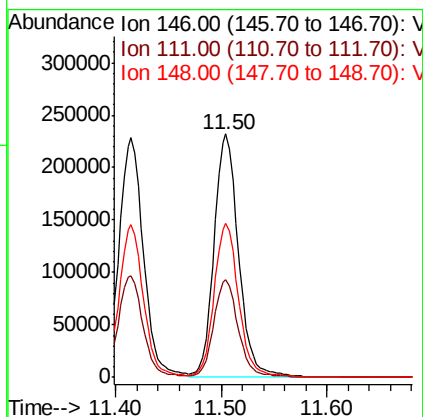
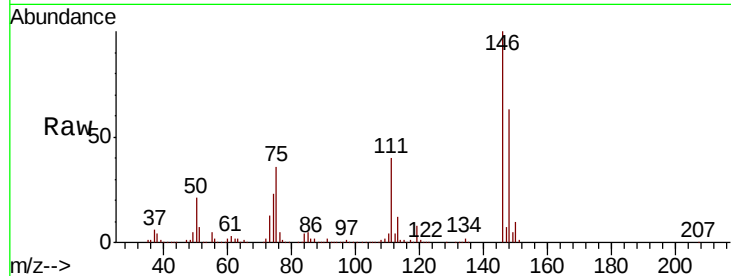




#83
 1,4-Dichlorobenzene
 Concen: 11.431 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

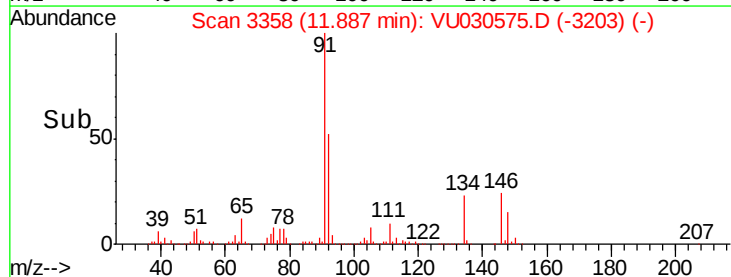
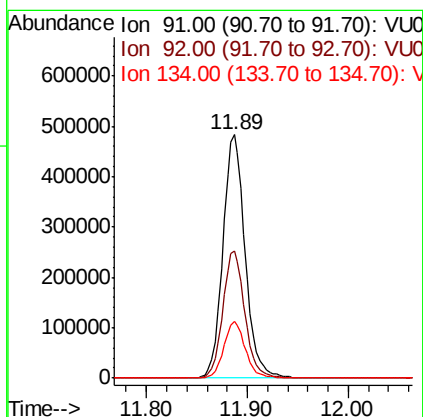
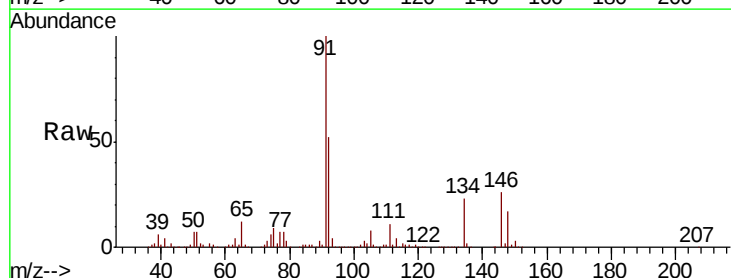
Instrument :
 MSVOA_U
 ClientSampled :

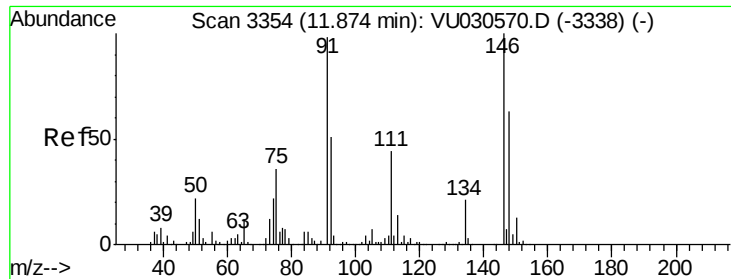
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.8	49.2
148	63.5	50.5	75.7



#84
 n-Butylbenzene
 Concen: 13.590 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	41.7	62.5
134	22.8	18.3	27.5





#85

1,2-Dichlorobenzene

Concen: 11.031 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampled :

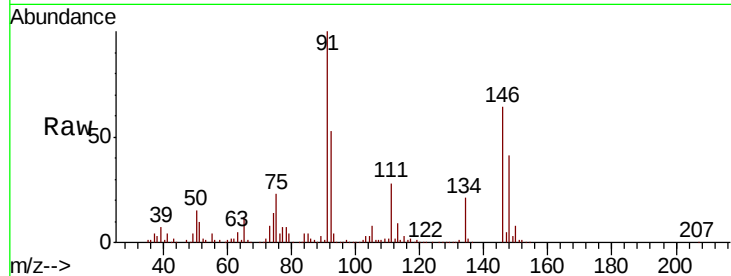
Tot Ion:146 Resp: 338382

Ion Ratio Lower Upper

146 100

111 44.2 21.9 65.5

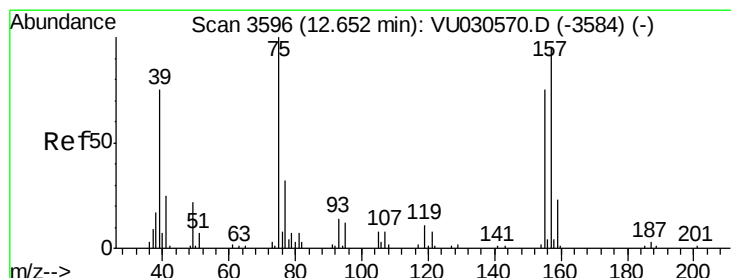
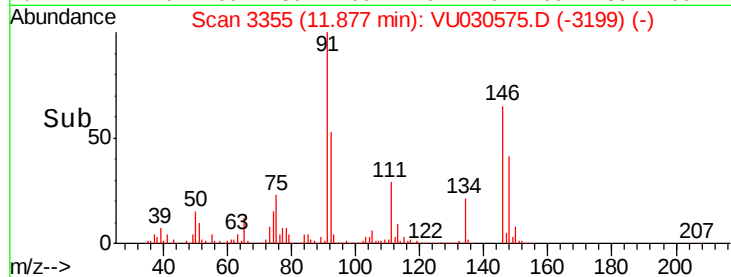
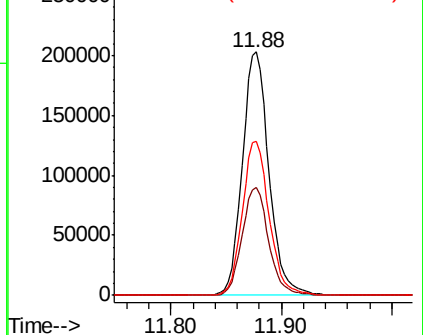
148 64.0 31.5 94.5



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 12.288 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

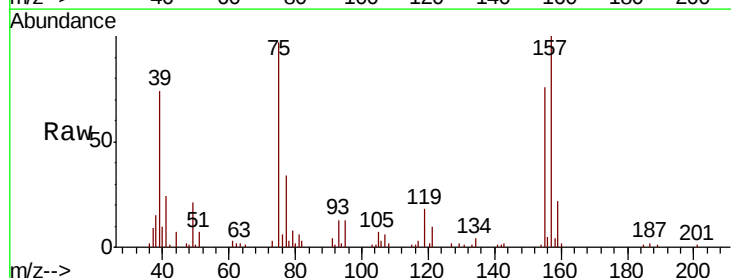
Tgt Ion: 75 Resp: 29188

Ion Ratio Lower Upper

75 100

155 74.7 59.7 89.5

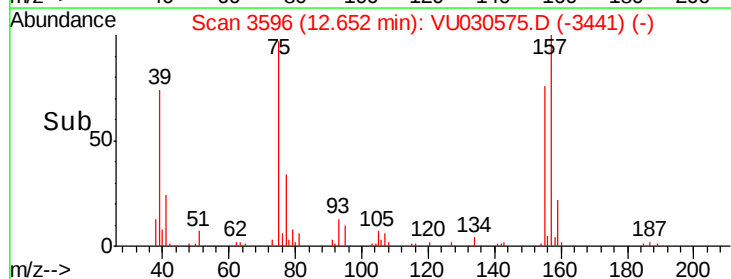
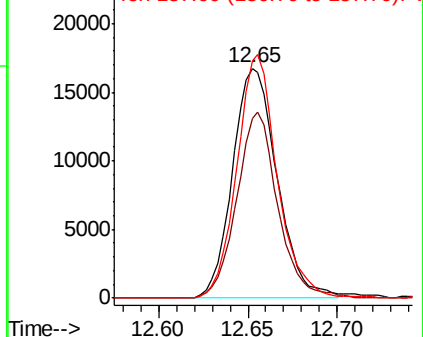
157 96.1 73.7 110.5

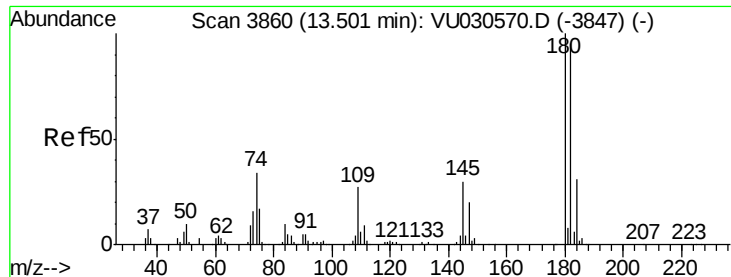


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

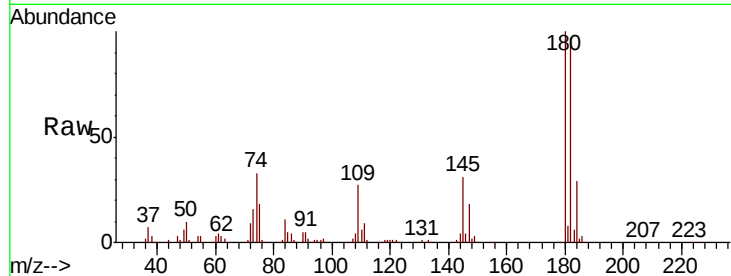




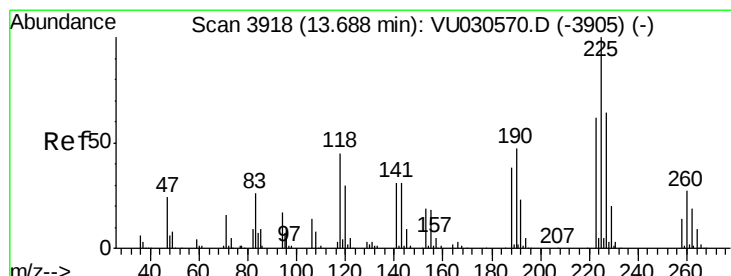
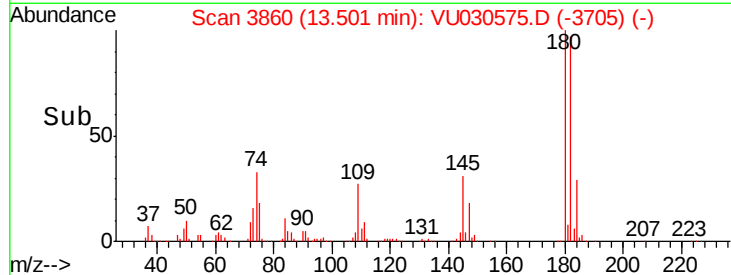
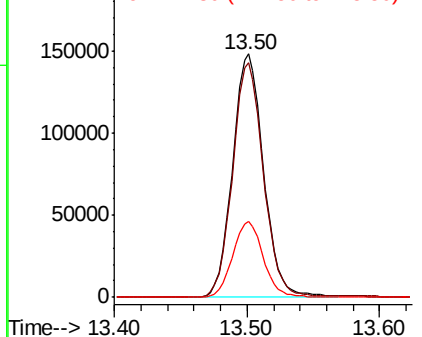
#87
 1,2,4-Trichlorobenzene
 Concen: 13.743 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	114.0
145	30.7	24.3	36.5

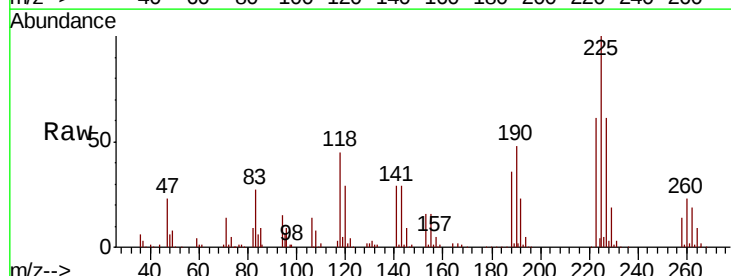


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

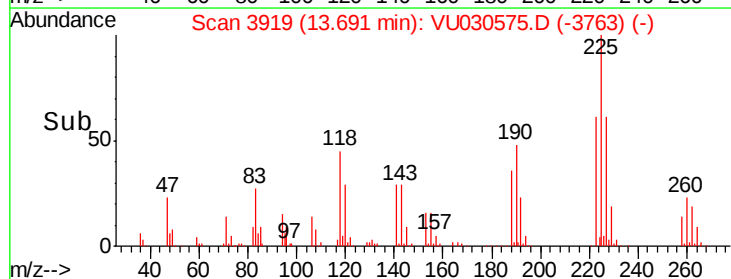
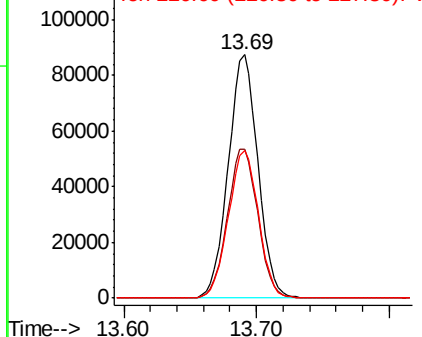


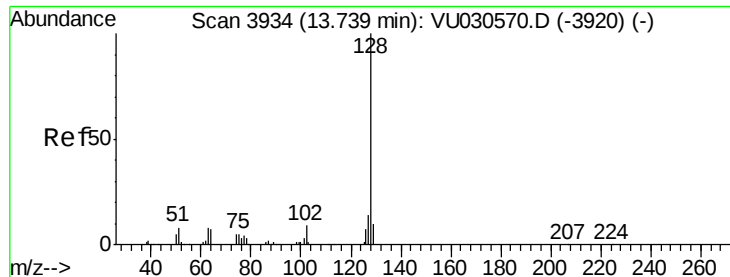
#88
 Hexachlorobutadiene
 Concen: 12.329 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030575.D
 Acq: 30 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.7	76.1
227	61.5	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: 14.401 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

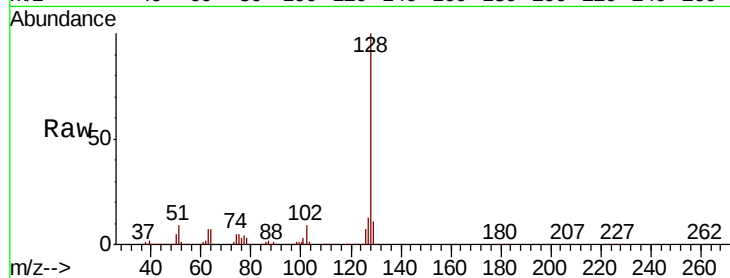
Tot Ion:128 Resp: 440267

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

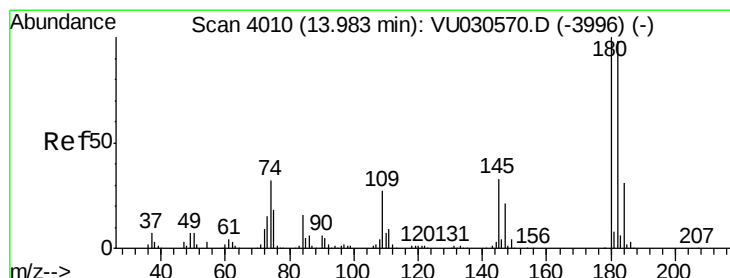
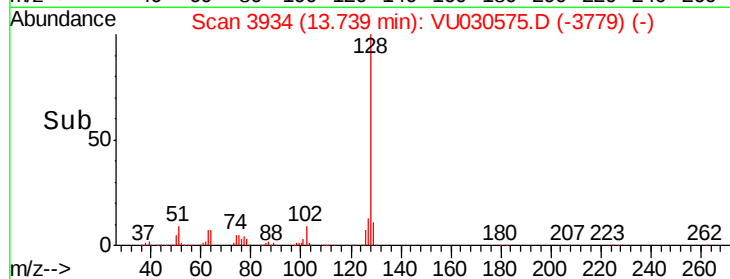
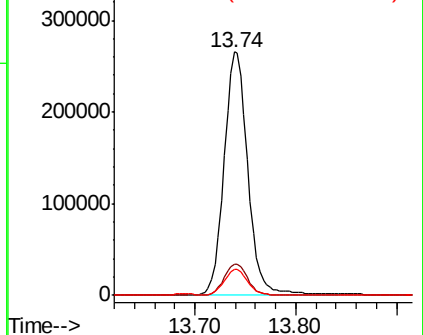
129 10.4 7.8 11.8



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: 13.430 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030575.D

Acq: 30 Mar 2019 15:58

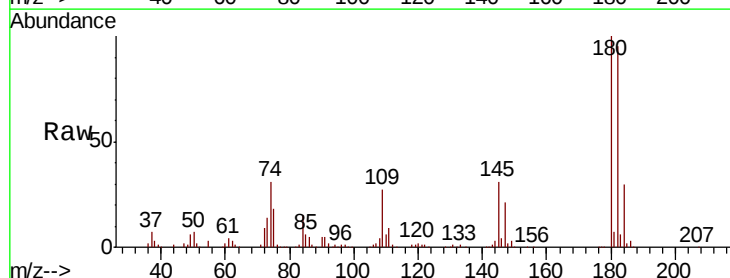
Tgt Ion:180 Resp: 223198

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 30.9 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

