

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041619\
 Data File : VU031211.D
 Acq On : 16 Apr 2019 13:31
 Operator : JC/SP
 Sample : VSTDCCC010EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 17 03:03:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	36722	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13049	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13683	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	150071	9.450 ug/l	99
3) Chloromethane	1.32	50	154091	9.195 ug/l	98
4) Vinyl Chloride	1.40	62	154571	9.442 ug/l	100
5) Bromomethane	1.63	94	104870	10.934 ug/l	100
6) Chloroethane	1.70	64	101266	8.958 ug/l	97
7) Trichlorofluoromethane	1.88	101	223873	9.377 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	118393	9.962 ug/l	99
9) 1,1-Dichloroethene	2.28	96	115291	9.711 ug/l	98
10) Iodomethane	2.41	142	150317	9.375 ug/l	100
11) Allyl Chloride	2.59	41	228876	9.822 ug/l	100
12) Acrylonitrile	2.94	53	66487	19.143 ug/l	99
13) Acetone	2.32	43	151362	53.172 ug/l	99
14) Carbon Disulfide	2.48	76	430512	9.818 ug/l	99
15) Methylene Chloride	2.70	84	132925	8.684 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	126252	9.635 ug/l	98
17) 1,1-Dichloroethane	3.44	63	189140	9.114 ug/l	99
18) 2-Butanone	4.27	43	168386	52.167 ug/l	99
19) Cyclohexane	4.99	56	156970	10.751 ug/l	99
20) Methylcyclohexane	6.41	83	170296	11.501 ug/l	98
21) 2,2-Dichloropropane	4.22	77	166405	10.345 ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	112919	9.884 ug/l	98
23) Diethyl Ether	2.10	59	106749	9.640 ug/l	99
24) tert-Butyl Alcohol	2.84	59	114620	97.182 ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	331325	9.571 ug/l	100
26) Bromochloromethane	4.54	128	52610	10.102 ug/l	99
27) Chloroform	4.67	83	200016	9.741 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	170973	9.796 ug/l	99
29) 1,1-Dichloropropene	5.13	75	155413	10.619 ug/l	100
30) Carbon Tetrachloride	5.13	117	152037	9.860 ug/l	98
31) Isopropyl Ether	3.57	45	292017	9.596 ug/l	97
32) Ethyl-t-butyl ether	4.06	59	260675	10.101 ug/l	100
33) Tert-Amyl methyl ether	5.58	73	243859	10.795 ug/l	98
34) Propionitrile	4.33	54	46485	52.119 ug/l #	95
35) Benzene	5.38	78	439002	10.078 ug/l	100
36) 1,2-Dichloroethane	5.40	62	136074	9.816 ug/l	99
37) Trichloroethene	6.18	130	115120	9.424 ug/l	95
38) 1,2-Dichloropropane	6.43	63	115892	9.991 ug/l	99
39) Methacrylonitrile	4.54	41	42587	10.601 ug/l	97
40) Methyl acrylate	4.42	55	62222	9.939 ug/l	97
41) Tetrahydrofuran	4.64	42	46101	22.472 ug/l	98
42) 1-Chlorobutane	5.06	56	223981	10.744 ug/l	98

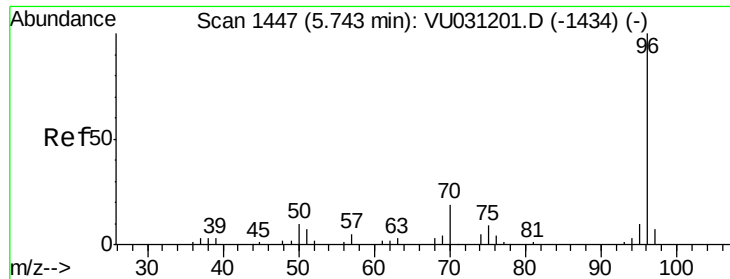
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041619\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	60702	9.726	ug/l	97
44) Bromodichloromethane	6.75	83	149189	9.920	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	399656	54.285	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	67476	24.045	ug/l	90
47) Methyl methacrylate	6.62	69	120362	22.852	ug/l	97
48) Ethyl methacrylate	8.02	69	110550	9.679	ug/l	95
49) Toluene	7.63	92	260107	10.879	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	141793	11.057	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	165210	10.896	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	84188	9.997	ug/l	98
53) 1,3-Dichloropropane	8.24	76	145719	10.193	ug/l	100
54) 2-Hexanone	8.36	43	288025	57.969	ug/l	98
55) Dibromochloromethane	8.47	129	100978	10.116	ug/l	99
56) 1,2-Dibromoethane	8.58	107	77999	9.966	ug/l	99
58) Tetrachloroethene	8.22	164	106804	10.284	ug/l	98
59) Chlorobenzene	9.12	112	276450	10.412	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.20	131	98933	9.941	ug/l	97
61) Pentachloroethane	11.10	117	75552	9.756	ug/l	94
62) Hexachloroethane	12.14	117	73835	9.865	ug/l	98
63) Ethyl Benzene	9.25	91	484931	11.447	ug/l	100
64) m/p-Xylenes	9.37	106	372668	23.103	ug/l	98
65) o-Xylene	9.77	106	176968	11.462	ug/l	97
66) Styrene	9.79	104	313993	10.097	ug/l	98
67) Bromoform	9.95	173	58812	10.211	ug/l	98
69) Isopropylbenzene	10.16	105	475056	11.479	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	103483	9.474	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	67476	8.544	ug/l #	93
72) Bromobenzene	10.45	156	114725	10.476	ug/l	98
73) n-propylbenzene	10.58	120	132190	11.960	ug/l	95
74) 2-Chlorotoluene	10.66	126	113305	11.117	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	406746	11.611	ug/l	100
76) 4-Chlorotoluene	10.77	126	116985	11.393	ug/l	99
77) tert-Butylbenzene	11.10	119	381487	11.131	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	412208	11.673	ug/l	99
79) sec-Butylbenzene	11.32	105	518913	11.254	ug/l	99
80) Nitrobenzene	12.86	77	20149	48.372	ug/l #	97
81) p-Isopropyltoluene	11.47	119	435495	11.758	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	227739	10.529	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	228048	10.886	ug/l	99
84) n-Butylbenzene	11.88	91	429501	12.000	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	215695	10.635	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	17566	11.174	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	141490	11.414	ug/l	99
88) Hexachlorobutadiene	13.69	225	86071	10.394	ug/l	98
89) Naphthalene	13.74	128	258300	9.406	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	139266	11.221	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 96 Resp: 36722

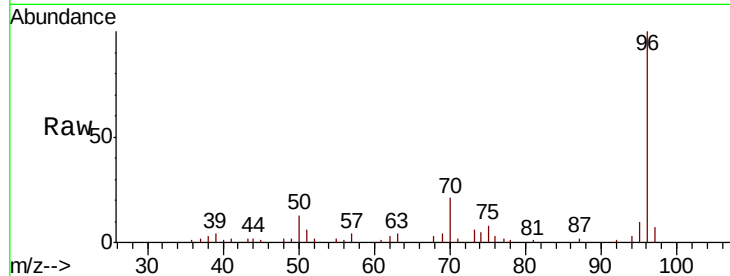
Ion Ratio Lower Upper

96 100

70 21.7 18.4 27.6

95 9.5 7.6 11.4

97 0.0 0.0 0.0

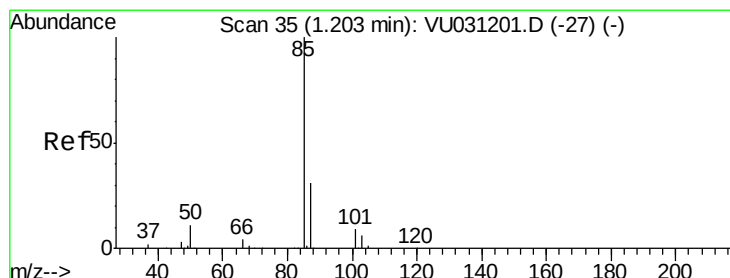
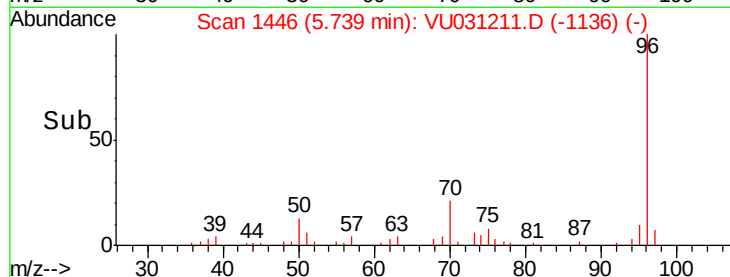
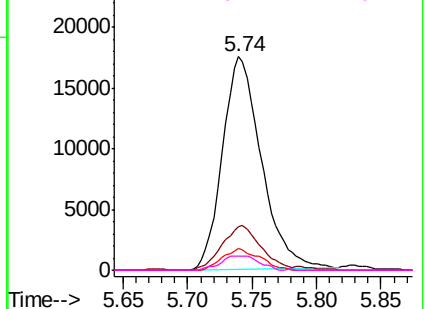


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.450 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031211.D

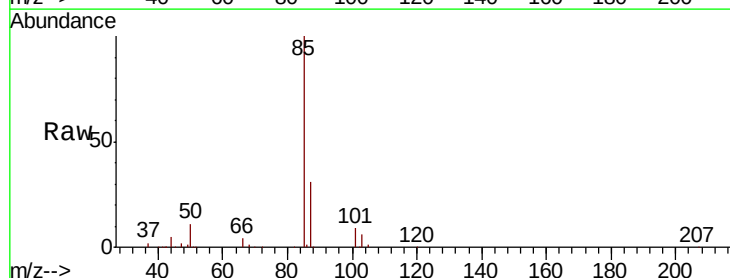
Acq: 16 Apr 2019 13:31

Tgt Ion: 85 Resp: 150071

Ion Ratio Lower Upper

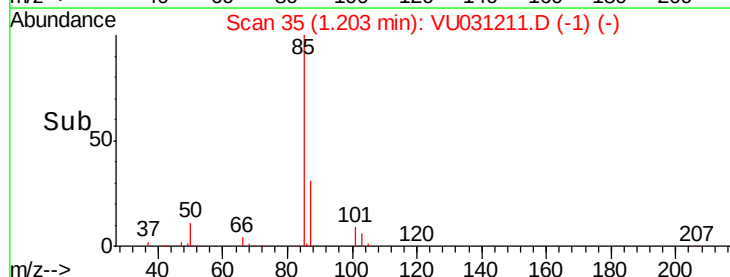
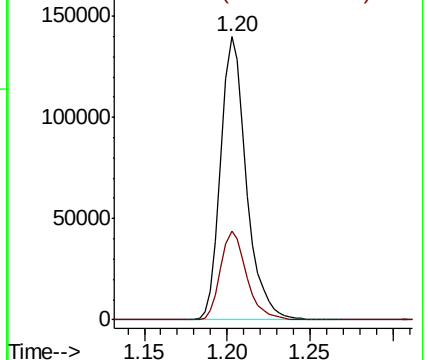
85 100

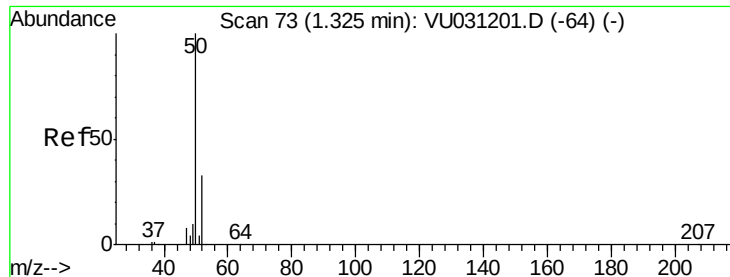
87 31.2 15.8 47.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.195 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

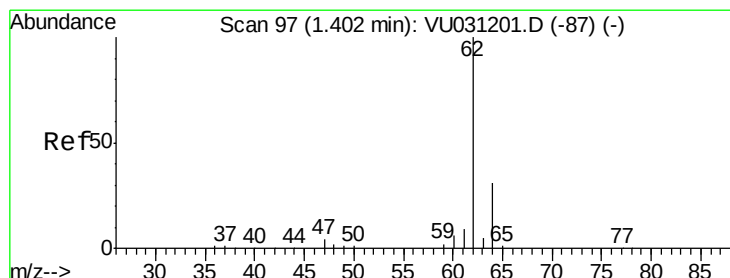
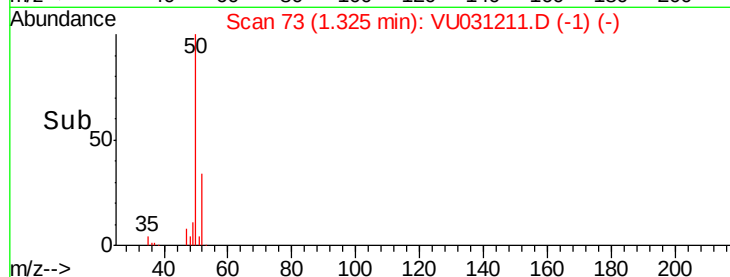
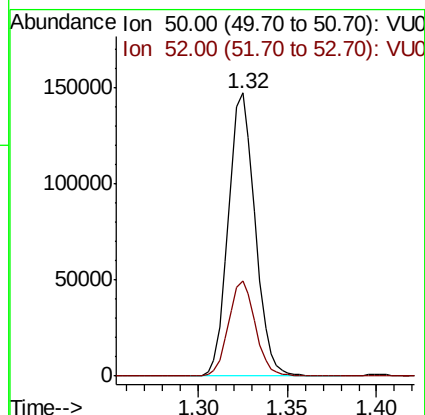
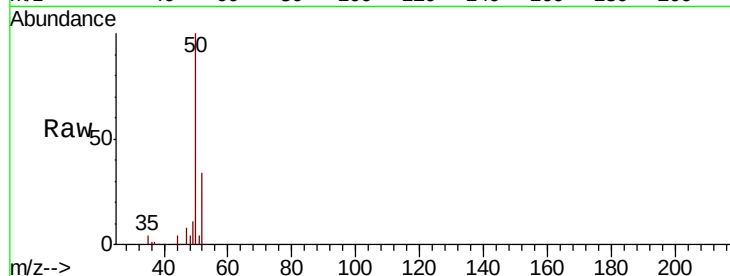
VSTDCCC010EC

Tgt Ion: 50 Resp: 154091

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.2



#4

Vinyl Chloride

Concen: 9.442 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031211.D

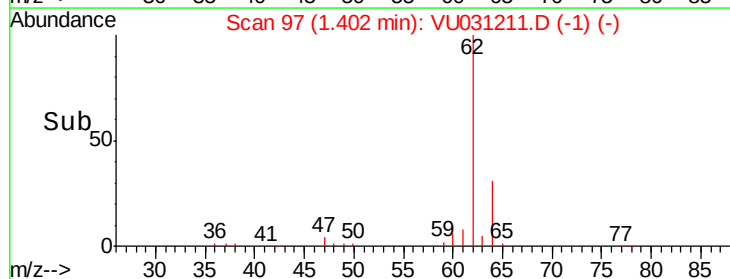
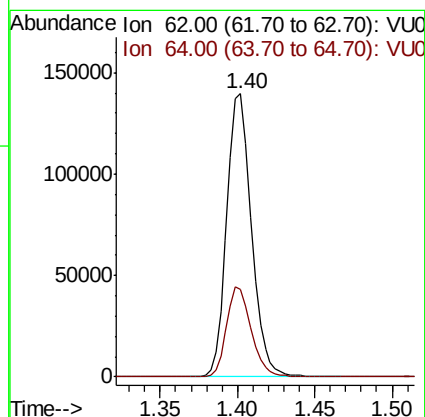
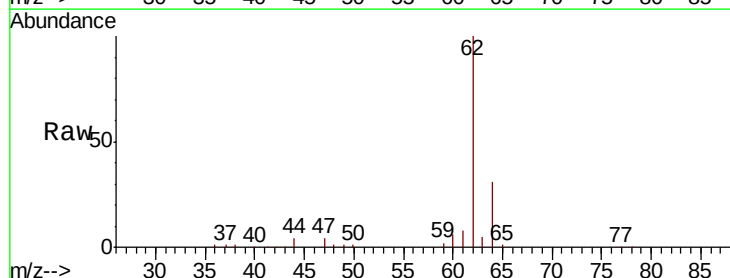
Acq: 16 Apr 2019 13:31

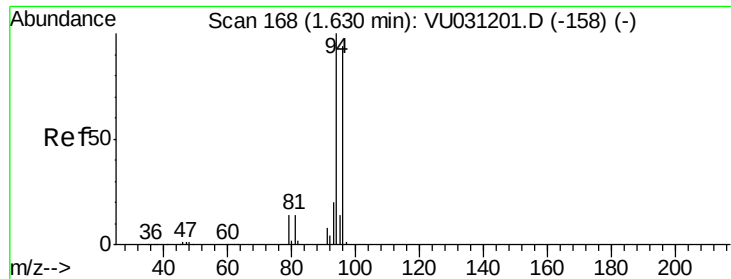
Tgt Ion: 62 Resp: 154571

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.6





#5

Bromomethane

Concen: 10.934 ug/l

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

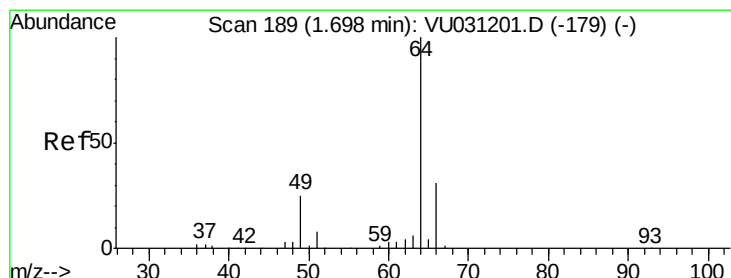
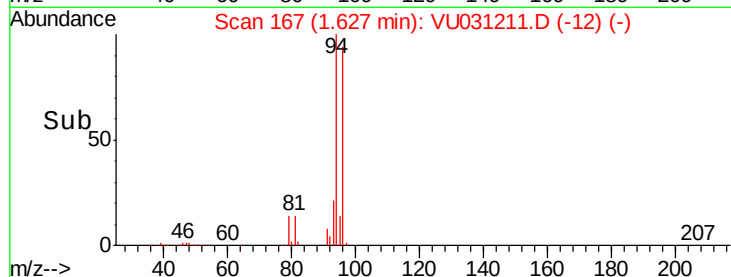
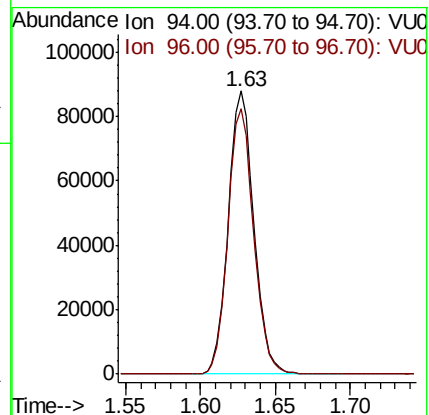
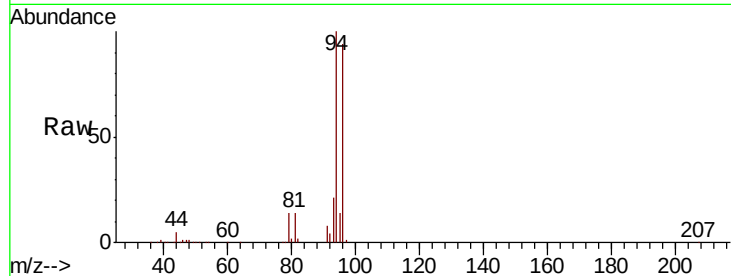
VSTDCCC010EC

Tgt Ion: 94 Resp: 104870

Ion Ratio Lower Upper

94 100

96 93.7 75.0 112.6



#6

Chloroethane

Concen: 8.958 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031211.D

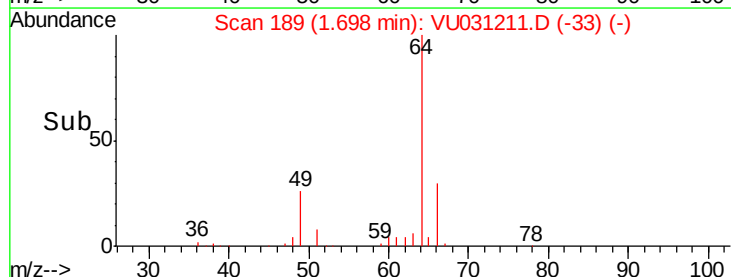
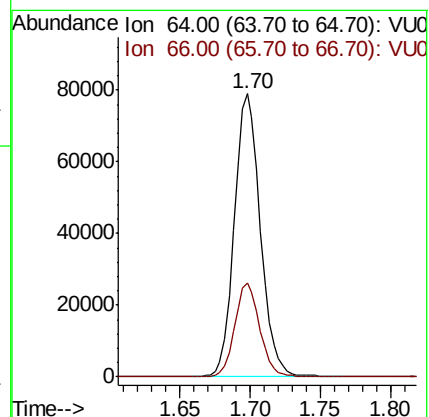
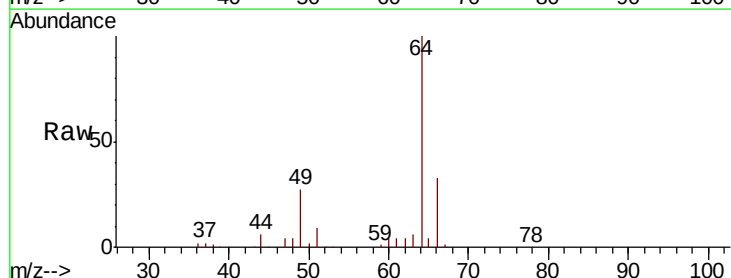
Acq: 16 Apr 2019 13:31

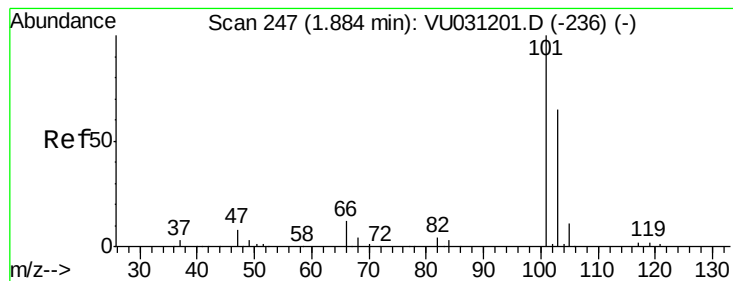
Tgt Ion: 64 Resp: 101266

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7



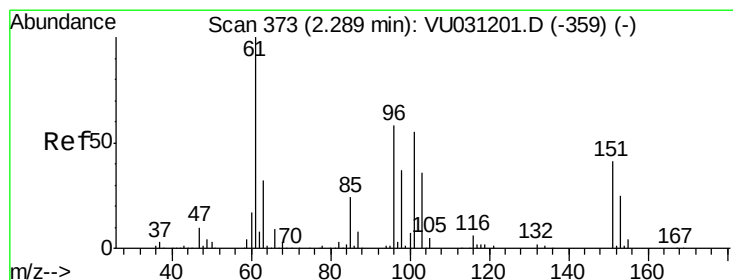
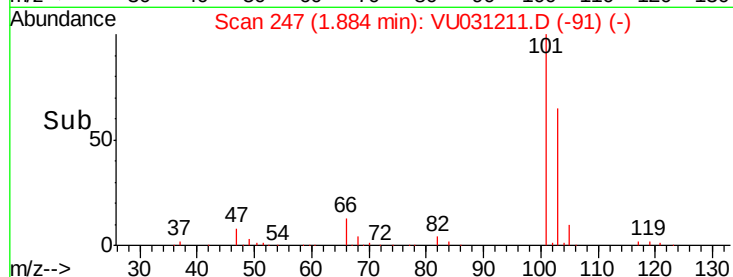
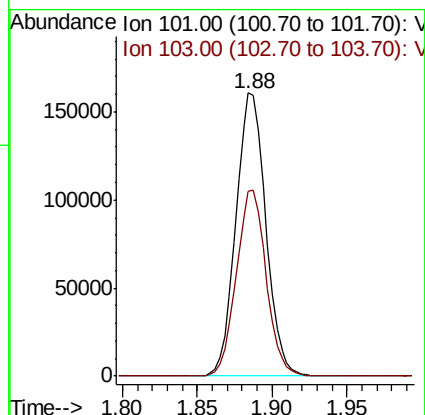
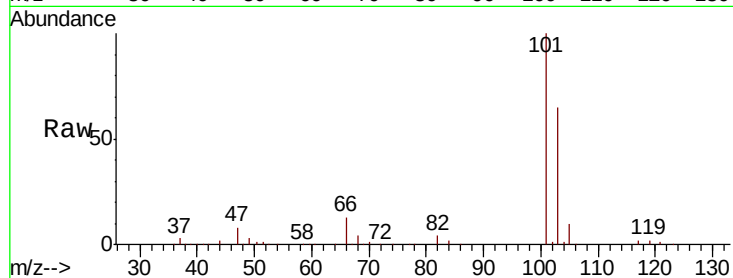


#7

Trichlorofluoromethane
 Concen: 9.377 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

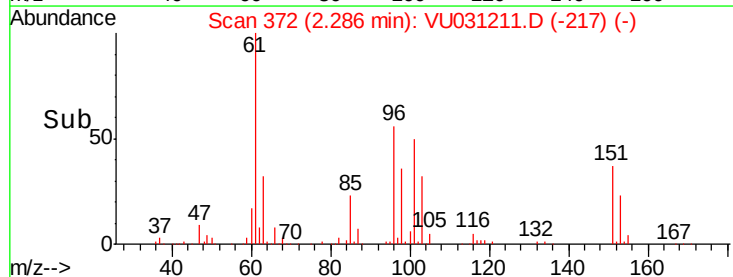
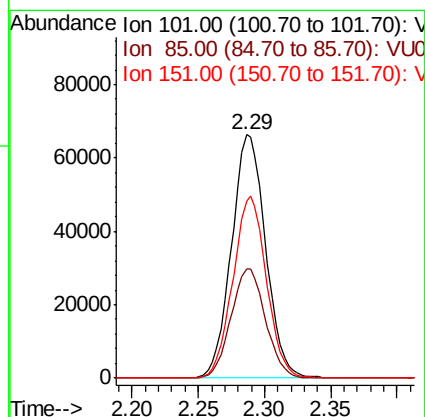
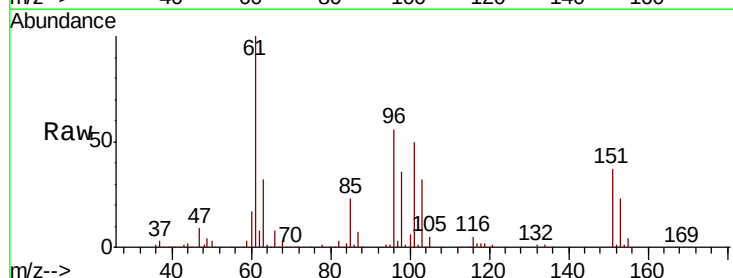
Tgt Ion:101 Resp: 223873
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.8

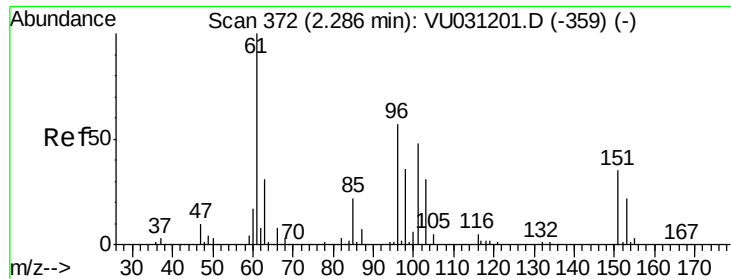


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.962 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion:101 Resp: 118393
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.1 54.1
 151 73.5 58.2 87.2





#9

1,1-Dichloroethene

Concen: 9.711 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

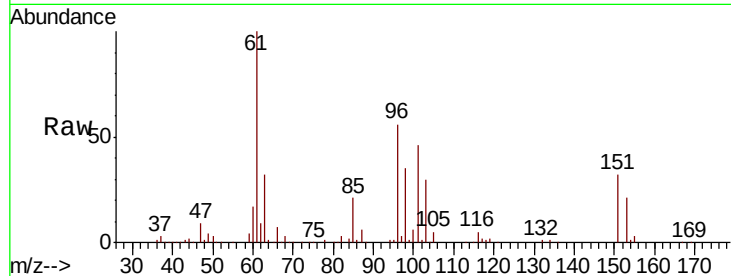
Tgt Ion: 96 Resp: 115291

Ion Ratio Lower Upper

96 100

61 179.6 0.0 527.7

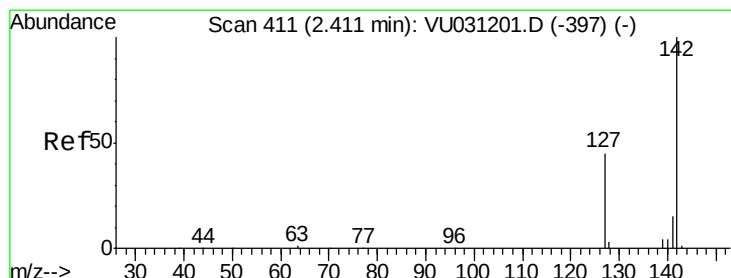
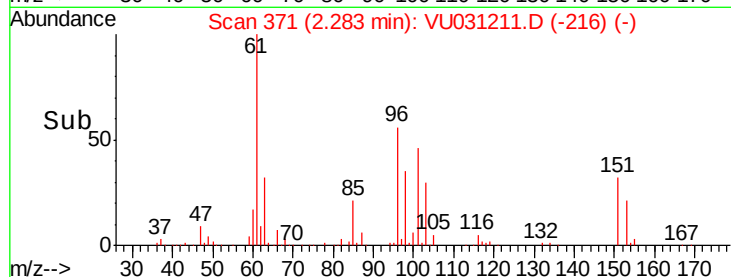
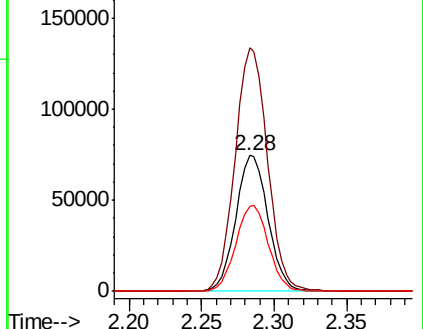
98 62.8 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU031211.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU031211.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU031211.D (-216) (-)



#10

Iodomethane

Concen: 9.375 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031211.D

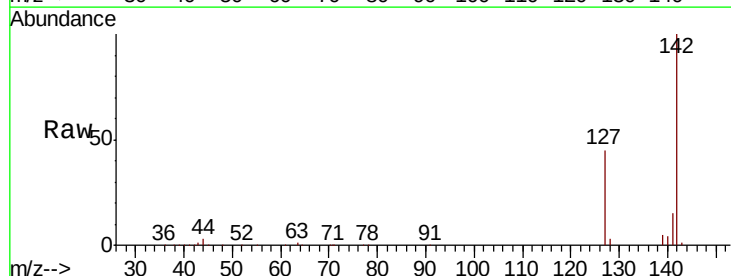
Acq: 16 Apr 2019 13:31

Tgt Ion: 142 Resp: 150317

Ion Ratio Lower Upper

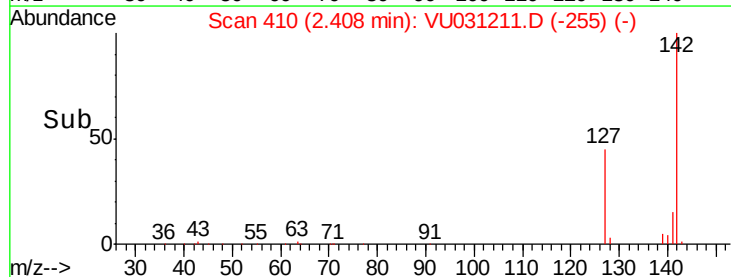
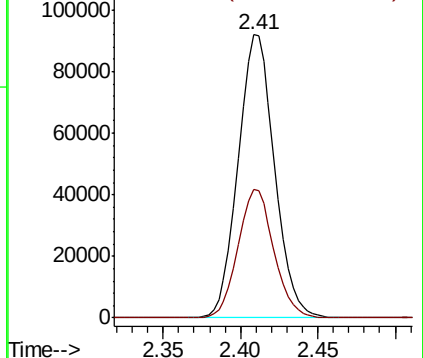
142 100

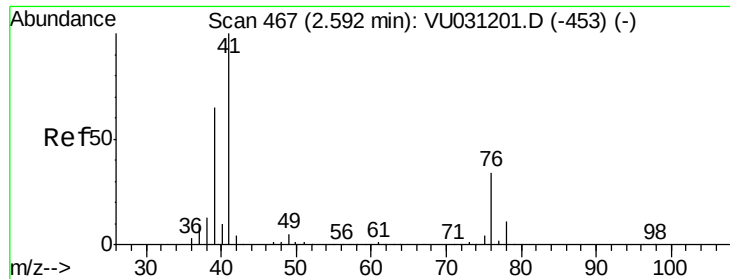
127 44.6 35.9 53.9



Abundance Ion 142.00 (141.70 to 142.70): VU031211.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU031211.D (-255) (-)

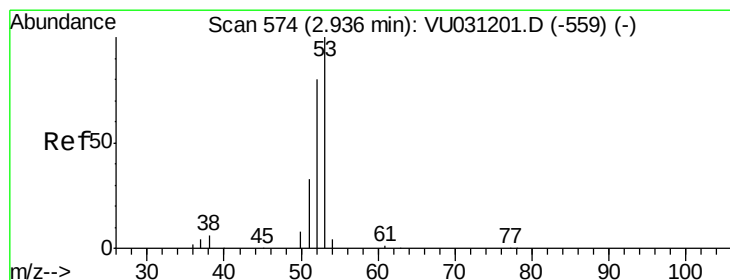
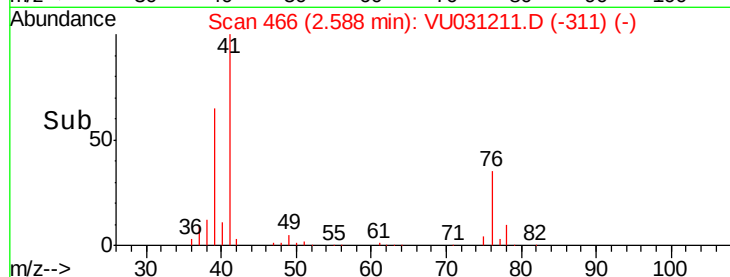
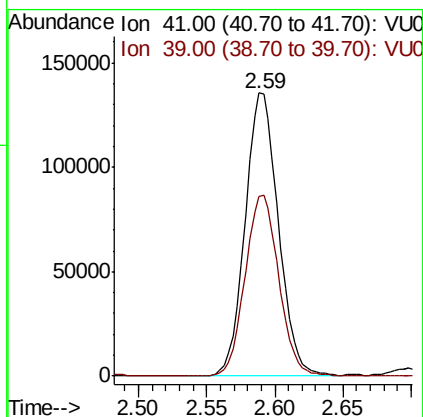
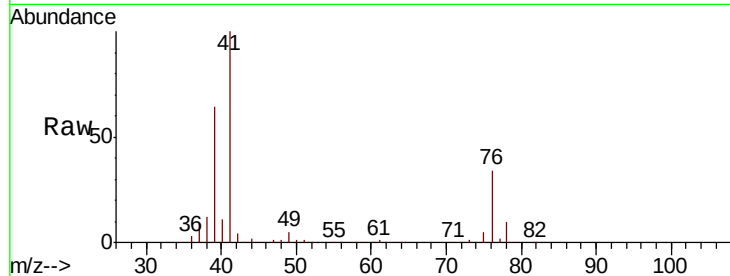




#11
 Allyl Chloride
 Concen: 9.822 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

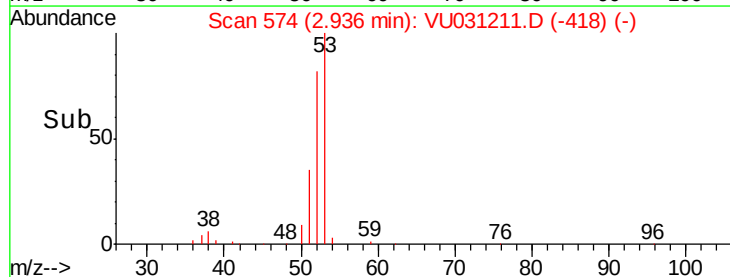
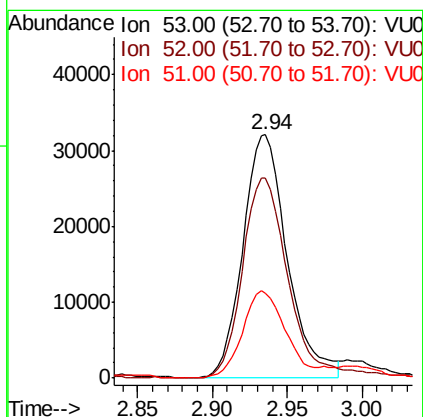
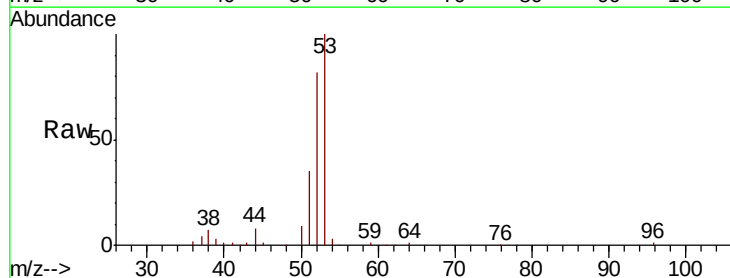
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

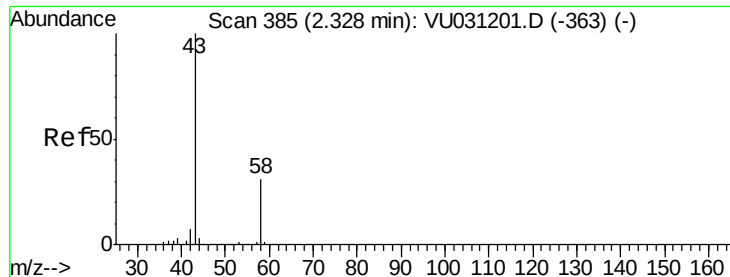
Tgt Ion: 41 Resp: 228876
 Ion Ratio Lower Upper
 41 100
 39 65.2 51.9 77.9



#12
 Acrylonitrile
 Concen: 19.143 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 53 Resp: 66487
 Ion Ratio Lower Upper
 53 100
 52 85.7 67.8 101.8
 51 33.7 26.9 40.3





#13

Acetone

Concen: 53.172 ug/l

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

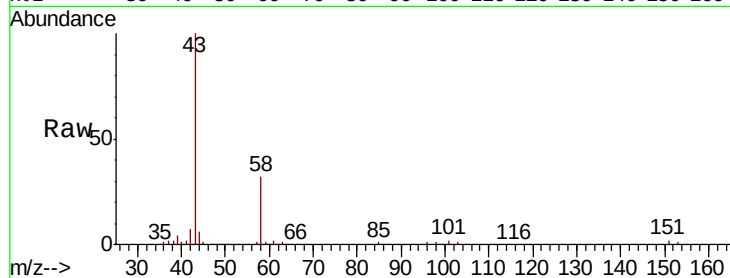
VSTDCCC010EC

Tgt Ion: 43 Resp: 151362

Ion Ratio Lower Upper

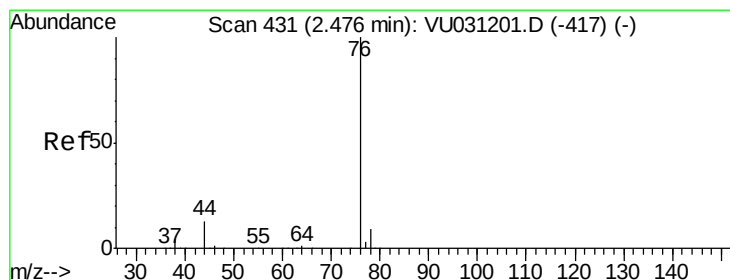
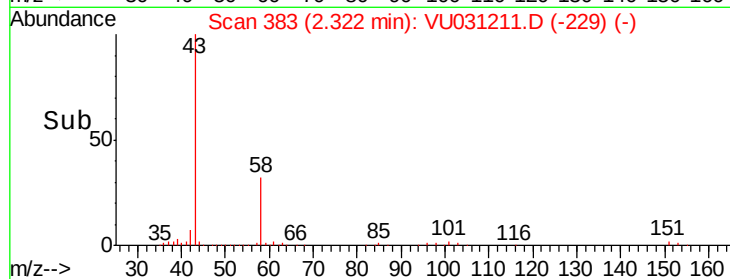
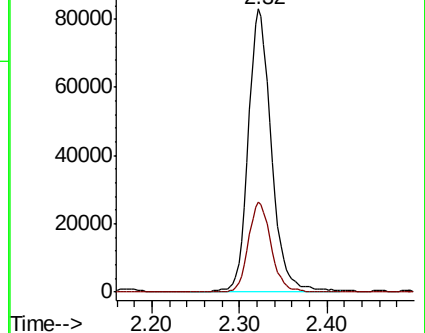
43 100

58 31.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VU031201.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU031201.D (-363) (-)



#14

Carbon Disulfide

Concen: 9.818 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031211.D

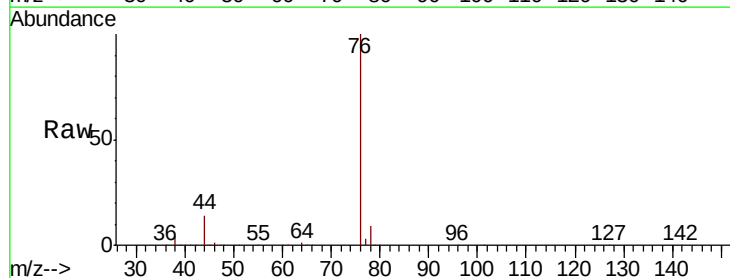
Acq: 16 Apr 2019 13:31

Tgt Ion: 76 Resp: 430512

Ion Ratio Lower Upper

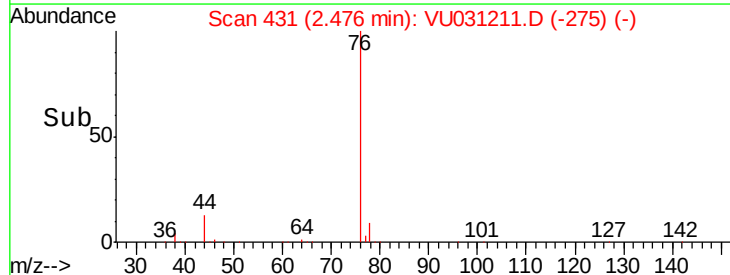
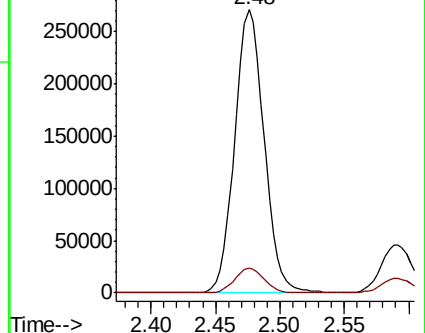
76 100

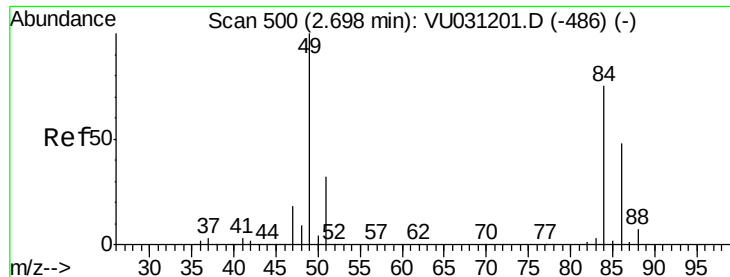
78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031201.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU031201.D (-417) (-)

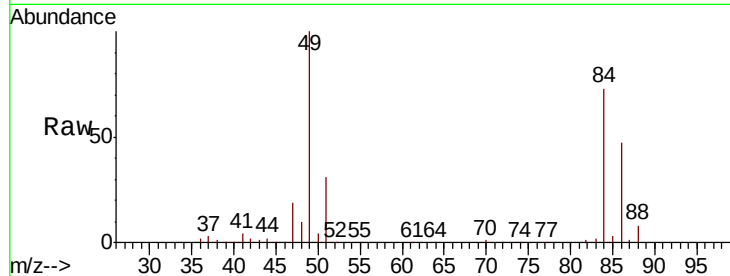




#15
Methylene Chloride
Concen: 8.684 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:	84	Resp:	132925
Ion	Ratio	Lower	Upper
84	100		
49	136.6	106.1	159.1
51	41.6	0.0	84.2
86	64.0	50.5	75.7



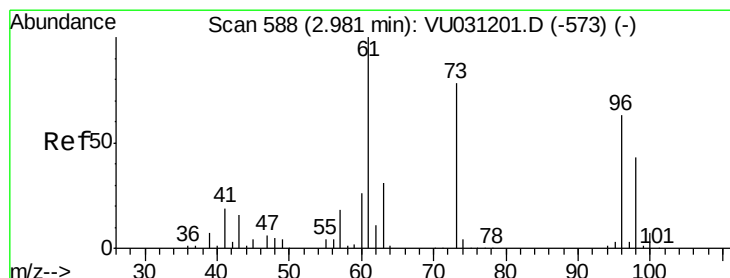
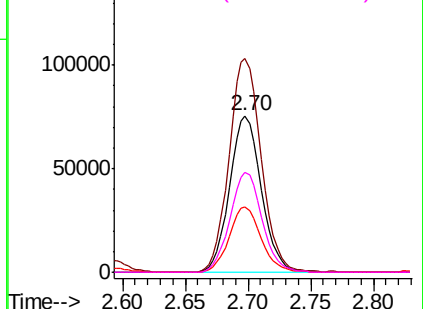
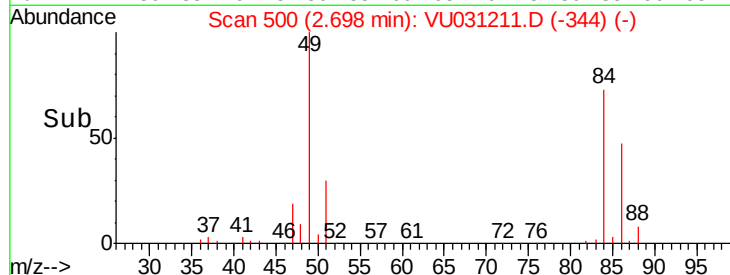
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

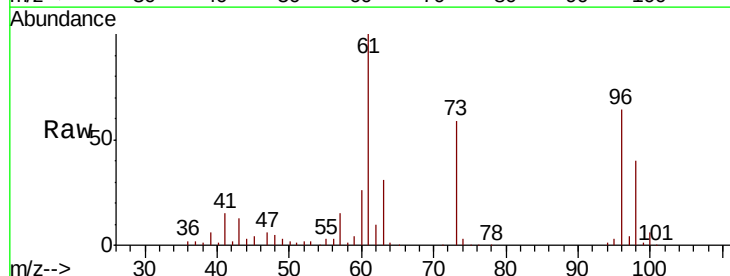
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16
trans-1,2-Dichloroethene
Concen: 9.635 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:	96	Resp:	126252
Ion	Ratio	Lower	Upper
96	100		
61	157.0	126.6	189.8
98	63.0	53.9	80.9

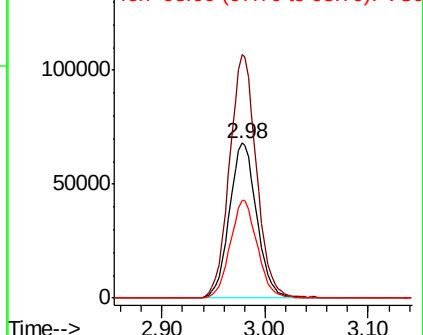
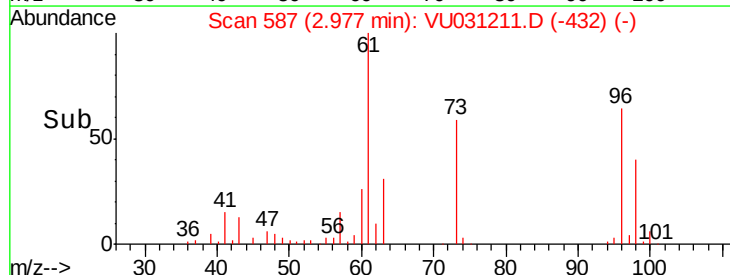


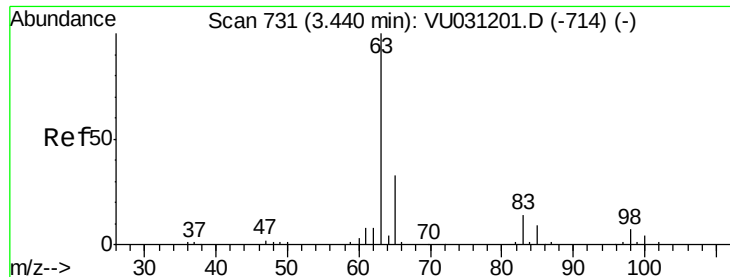
Abundance

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

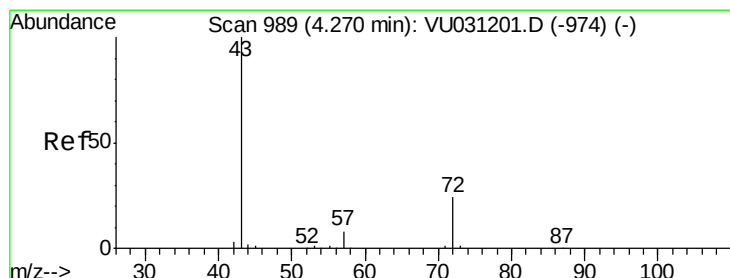
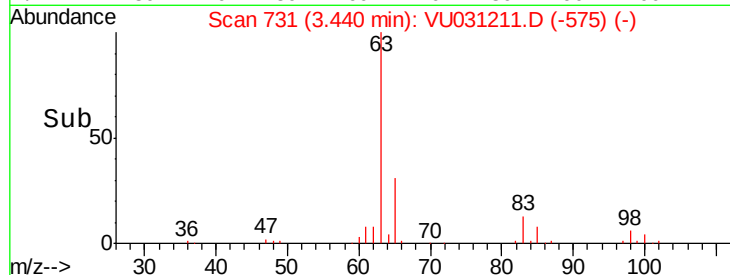
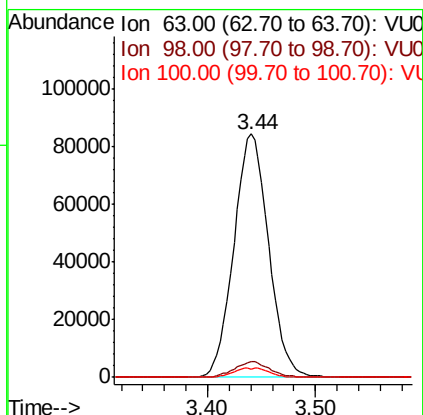
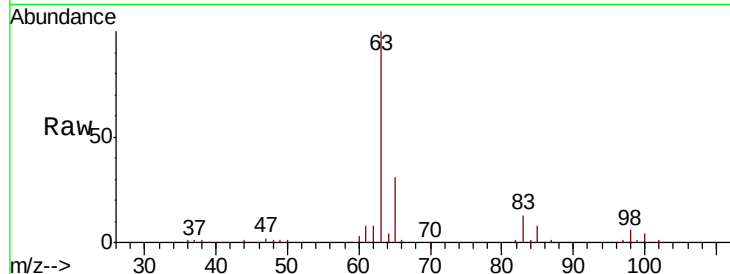




#17
 1,1-Dichloroethane
 Concen: 9.114 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

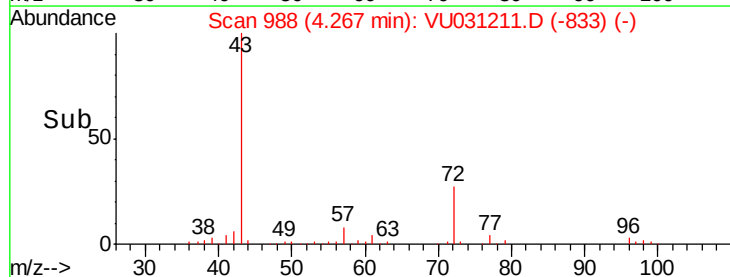
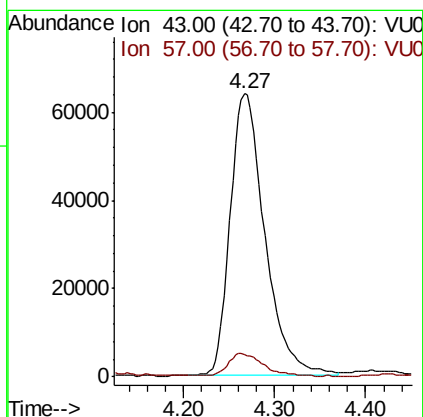
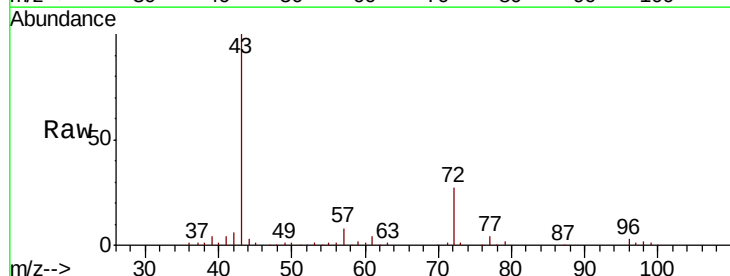
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

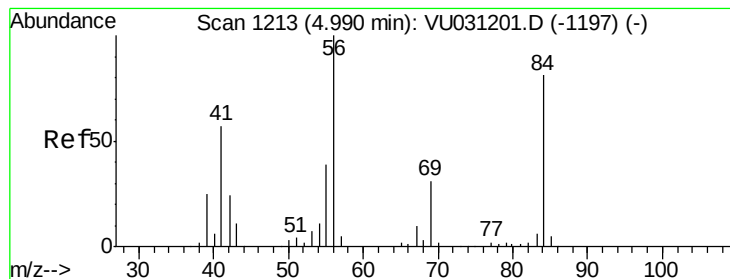
Tgt Ion: 63 Resp: 189140
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 3.5 2.0 5.8



#18
 2-Butanone
 Concen: 52.167 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 43 Resp: 168386
 Ion Ratio Lower Upper
 43 100
 57 7.8 0.0 16.2





#19

Cyclohexane

Concen: 10.751 ug/l

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

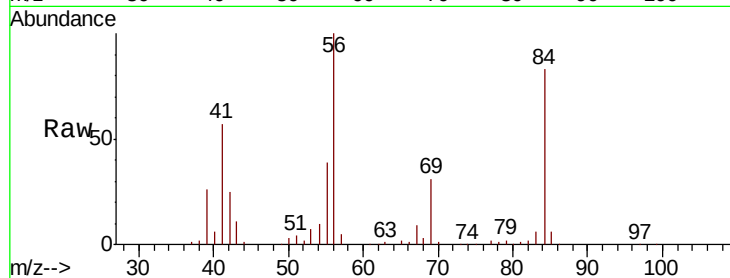
Tgt Ion: 56 Resp: 156970

Ion Ratio Lower Upper

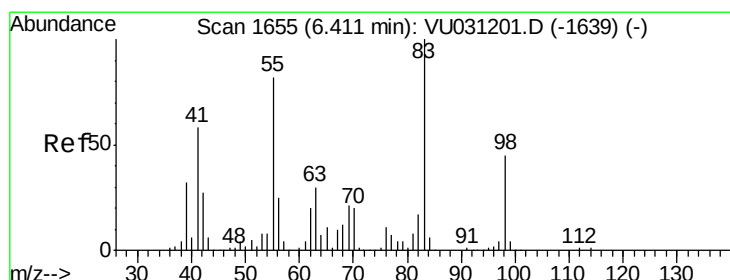
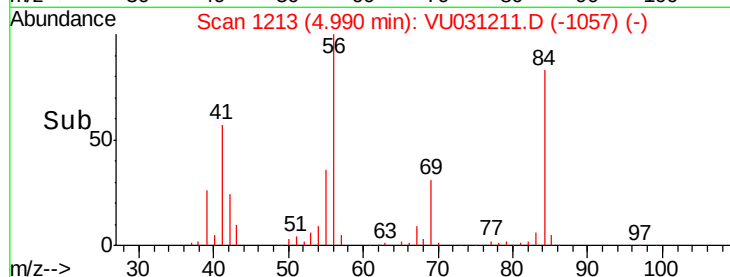
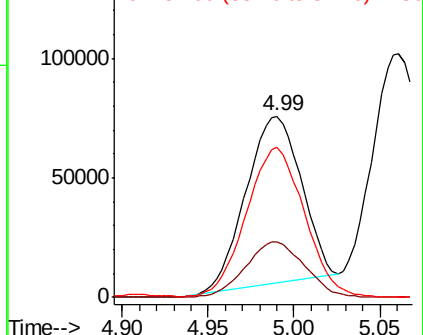
56 100

69 35.5 28.3 42.5

84 92.8 75.2 112.8



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



#20

Methylcyclohexane

Concen: 11.501 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

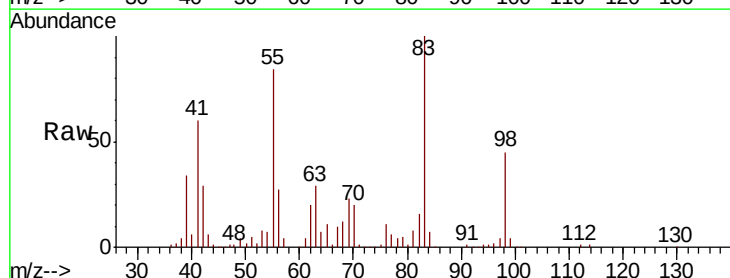
Tgt Ion: 83 Resp: 170296

Ion Ratio Lower Upper

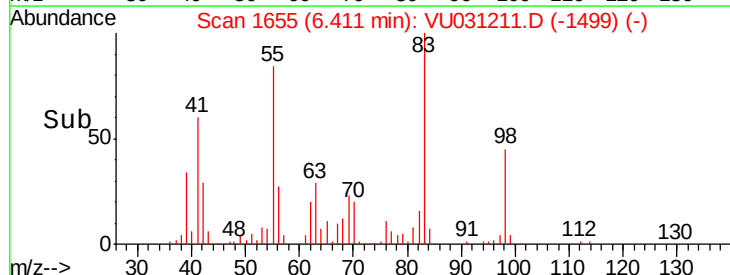
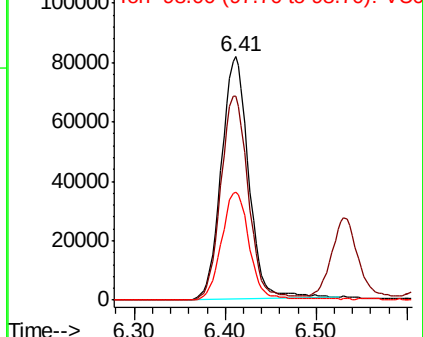
83 100

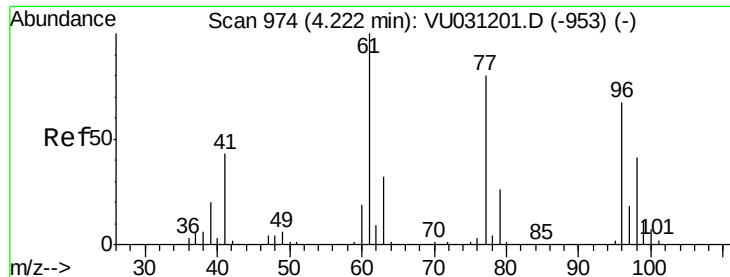
55 82.6 68.2 102.2

98 44.3 35.8 53.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

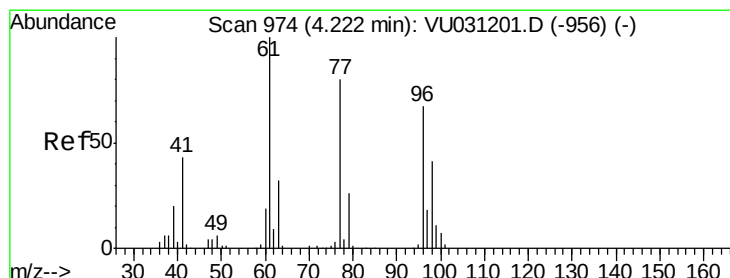
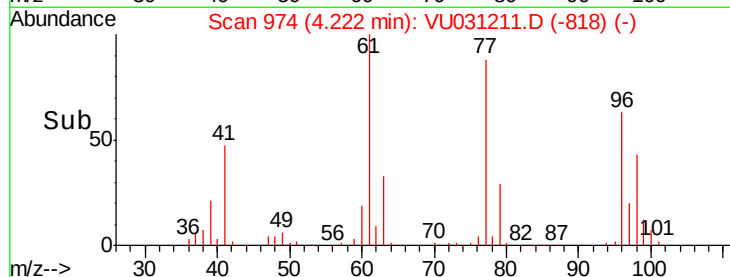
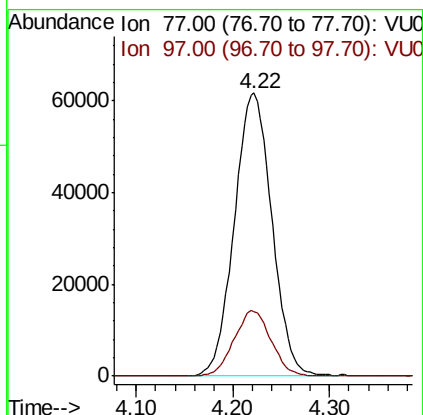
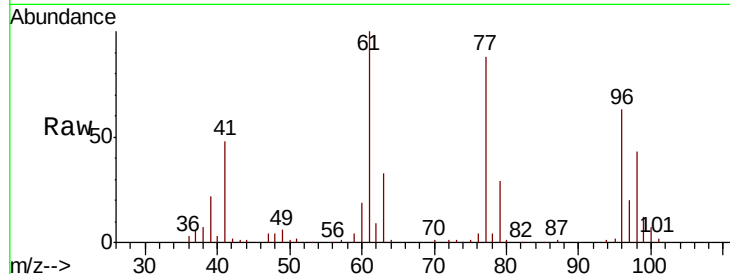




#21
 2,2-Dichloropropane
 Concen: 10.345 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

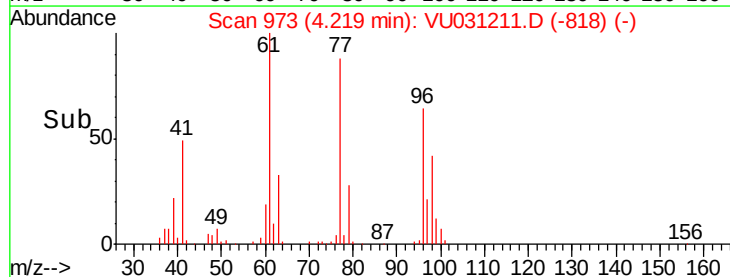
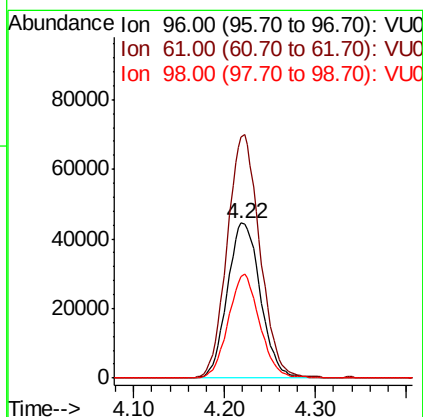
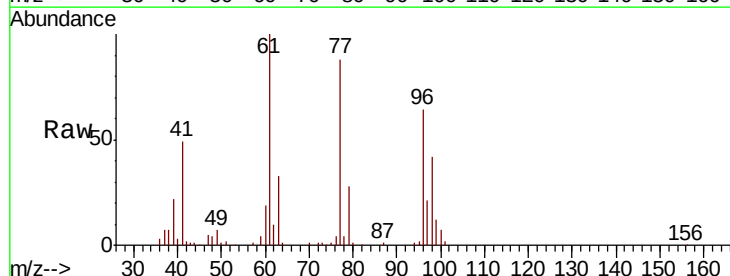
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

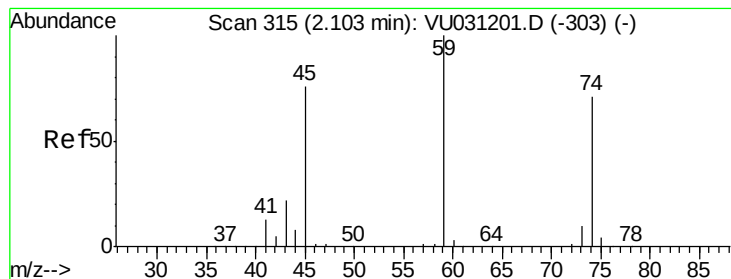
Tgt Ion: 77 Resp: 166405
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.2 27.2



#22
 cis-1,2-Dichloroethene
 Concen: 9.884 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 96 Resp: 112919
 Ion Ratio Lower Upper
 96 100
 61 154.8 0.0 380.0
 98 63.3 32.3 96.9





#23

Diethyl Ether

Concen: 9.640 ug/l

RT: 2.10 min Scan# 314

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

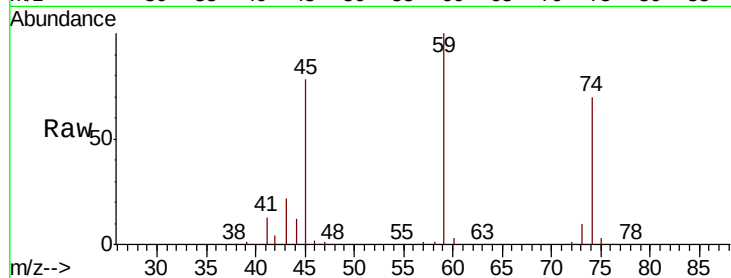
Tgt Ion: 59 Resp: 106749

Ion Ratio Lower Upper

59 100

45 75.5 61.8 92.6

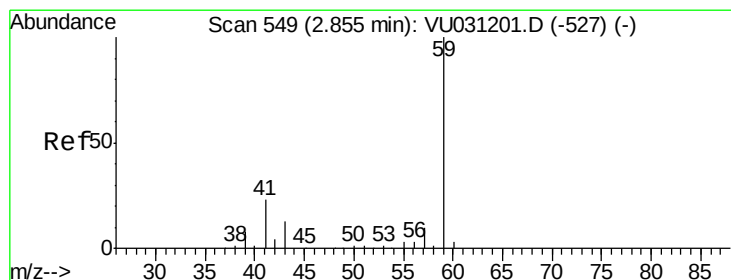
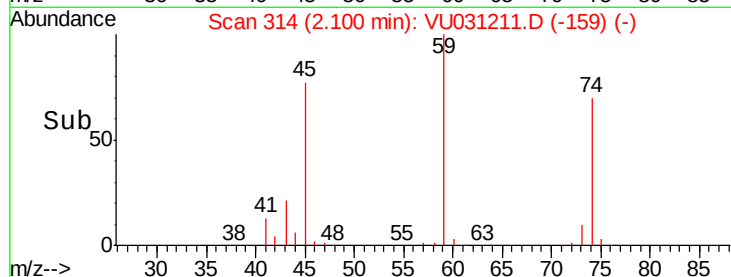
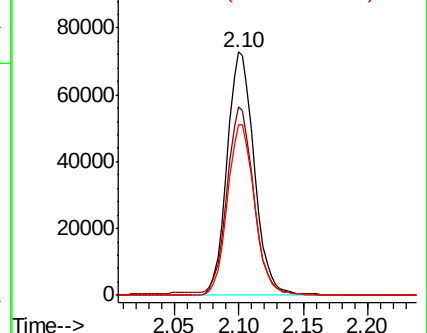
74 69.9 55.8 83.8



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: 97.182 ug/l

RT: 2.84 min Scan# 543

Delta R.T. -0.02 min

Lab File: VU031211.D

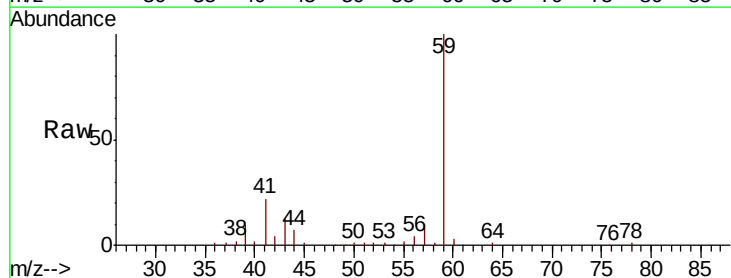
Acq: 16 Apr 2019 13:31

Tgt Ion: 59 Resp: 114620

Ion Ratio Lower Upper

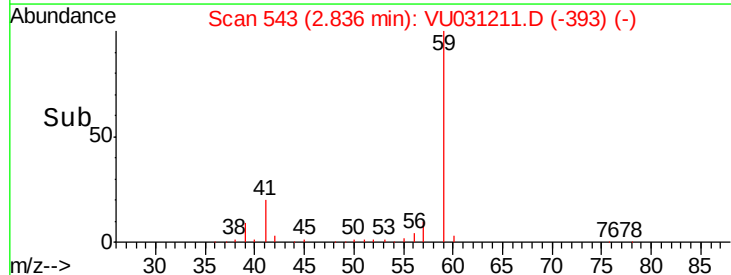
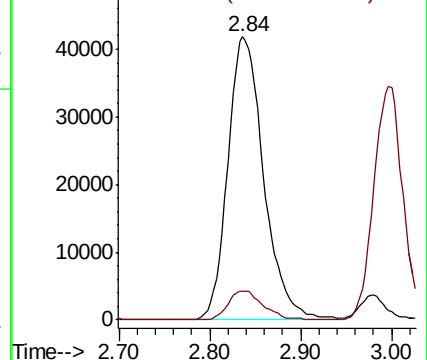
59 100

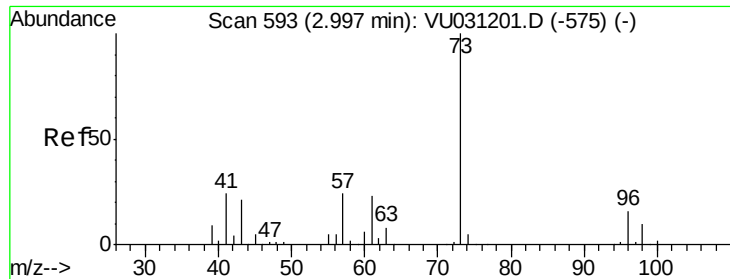
57 9.9 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



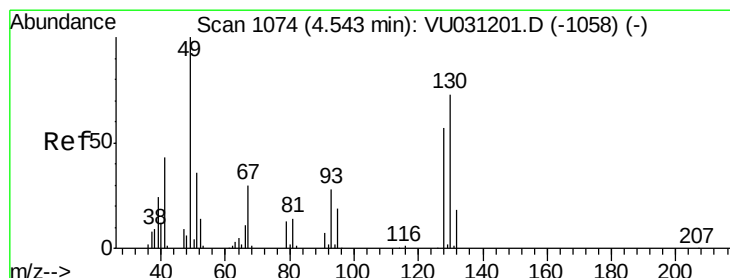
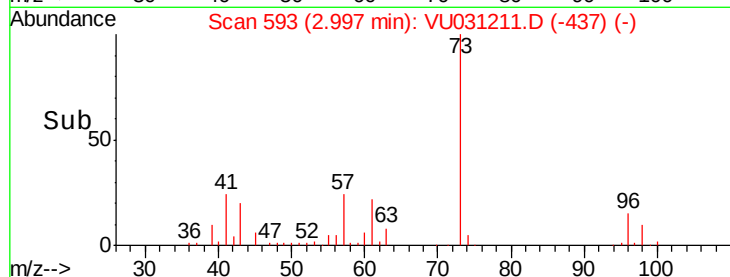
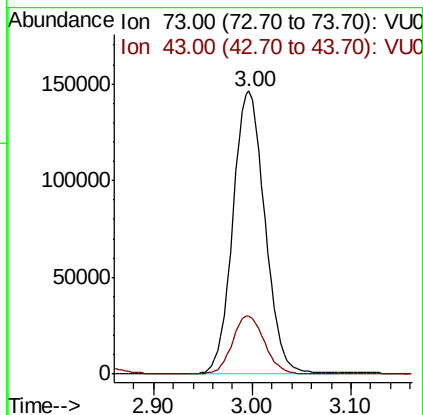
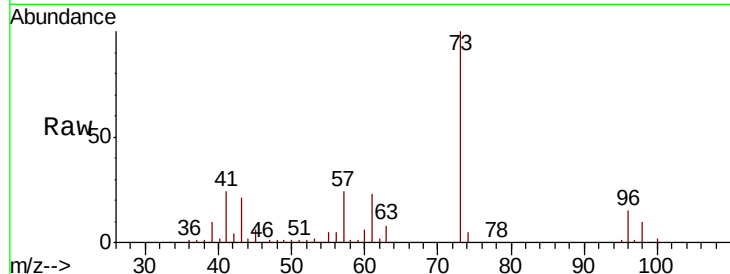


#25

Methyl tert-Butyl Ether
 Concen: 9.571 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

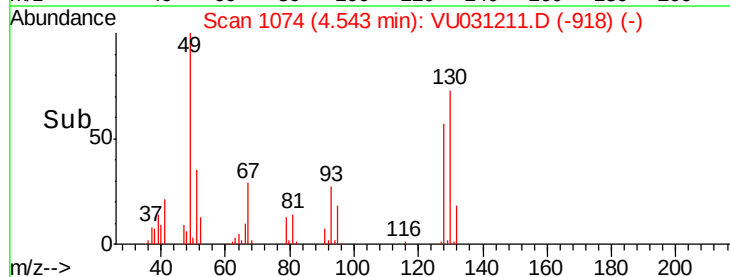
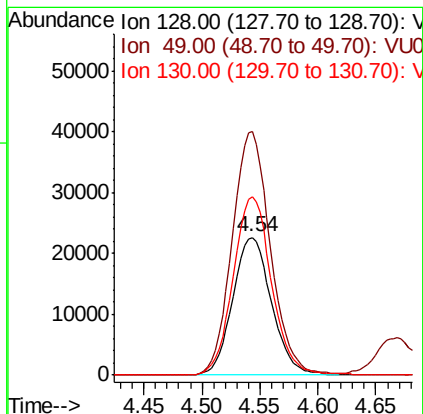
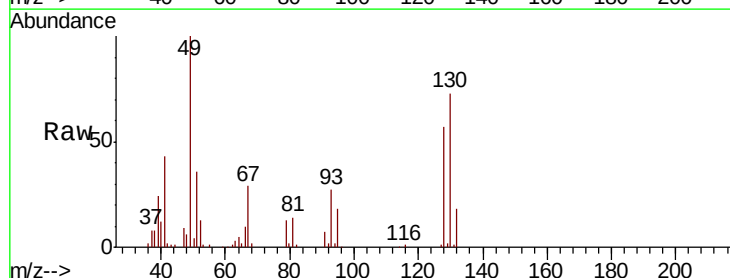
Tgt Ion: 73 Resp: 331325
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.2 24.4

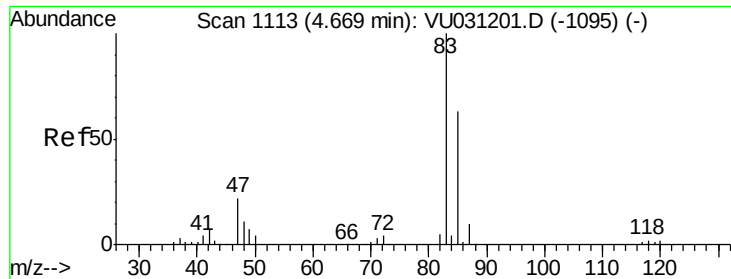


#26

Bromochloromethane
 Concen: 10.102 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 128 Resp: 52610
 Ion Ratio Lower Upper
 128 100
 49 174.2 0.0 345.8
 130 128.5 103.4 155.2

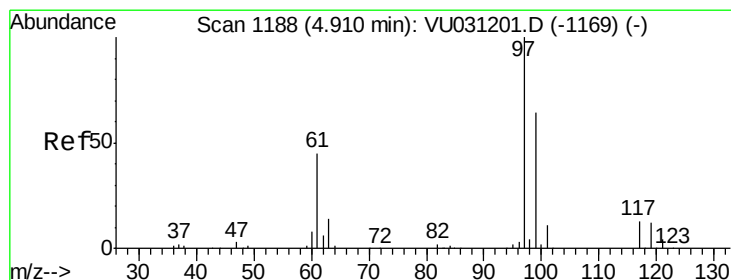
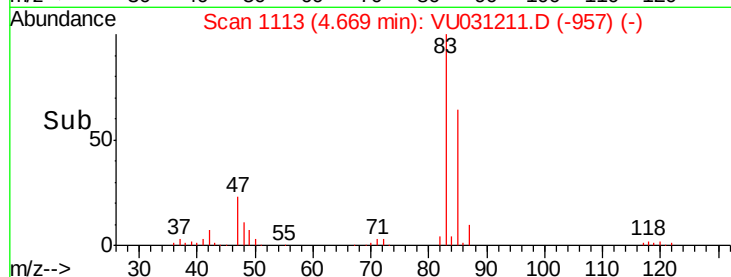
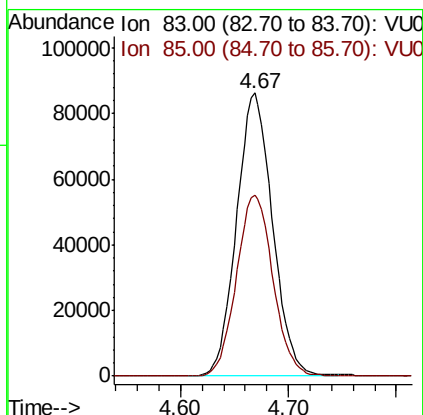
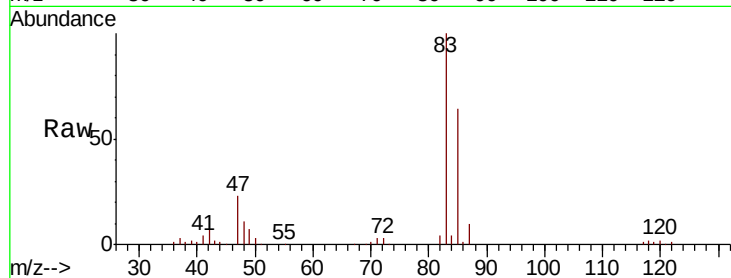




#27
 Chloroform
 Concen: 9.741 ug/l
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

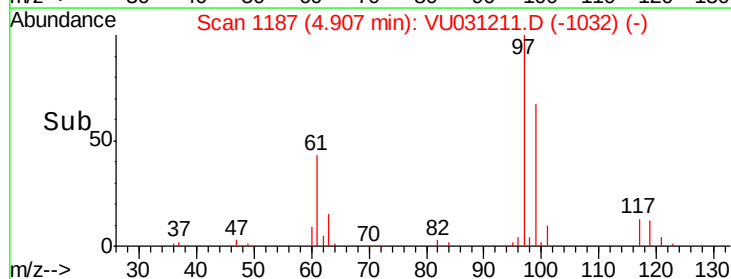
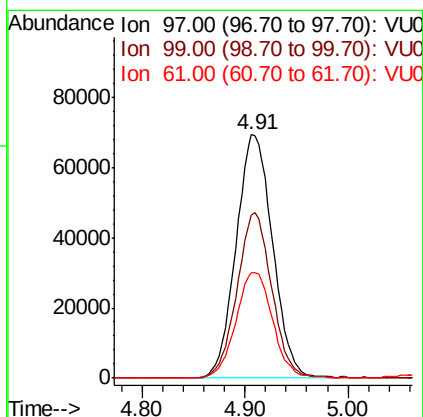
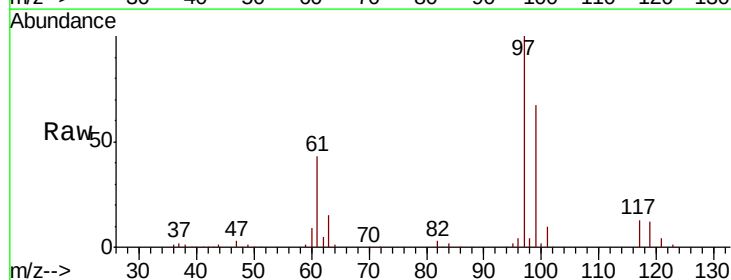
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

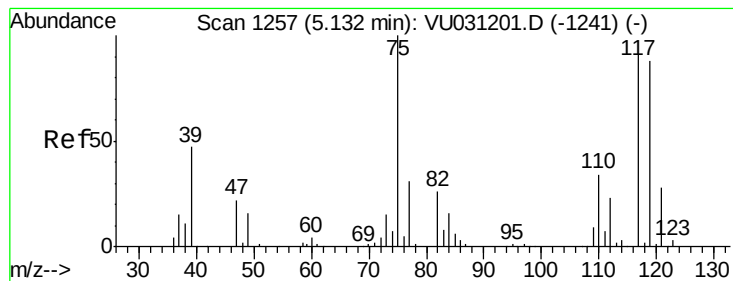
Tgt Ion: 83 Resp: 200016
 Ion Ratio Lower Upper
 83 100
 85 64.1 0.0 126.6



#28
 1,1,1-Trichloroethane
 Concen: 9.796 ug/l
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 97 Resp: 170973
 Ion Ratio Lower Upper
 97 100
 99 64.8 32.0 96.0
 61 43.8 22.2 66.6





#29

1,1-Dichloropropene

Concen: 10.619 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

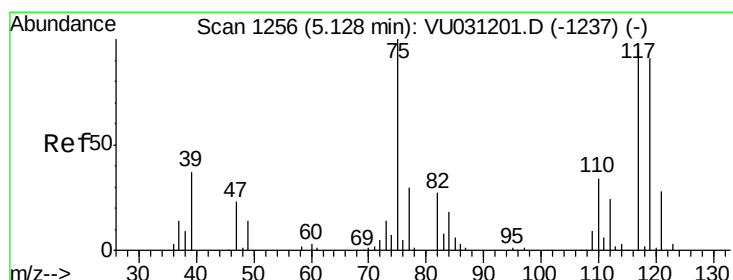
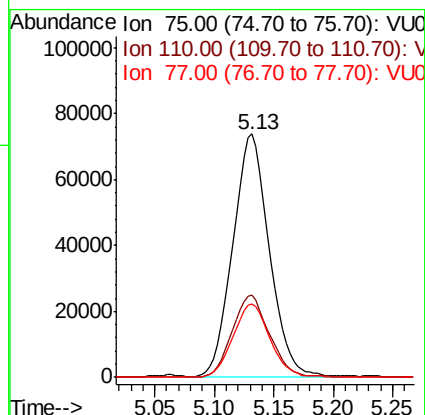
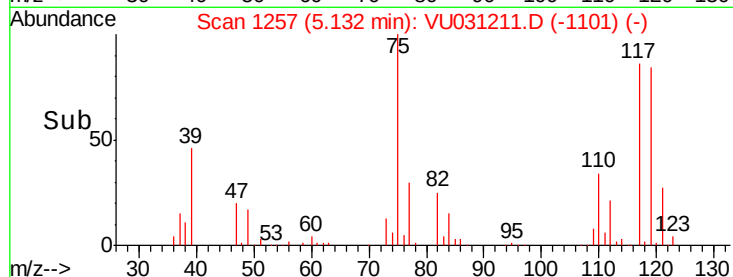
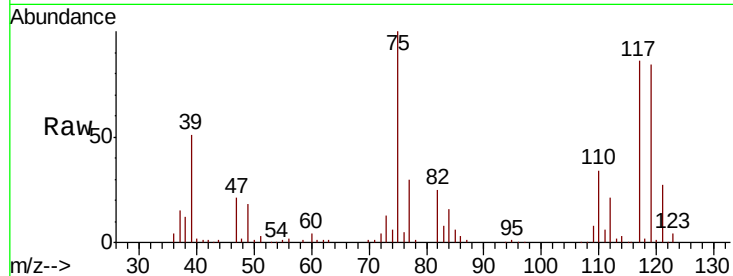
Tgt Ion: 75 Resp: 155413

Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.5

77 31.3 24.9 37.3



#30

Carbon Tetrachloride

Concen: 9.860 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

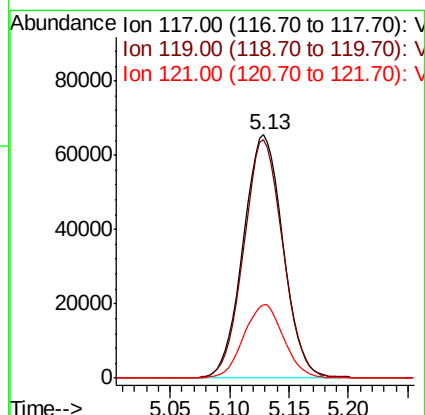
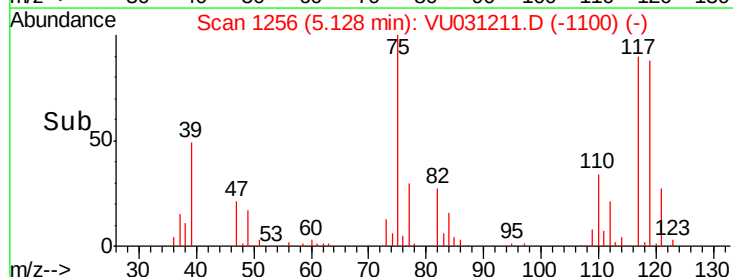
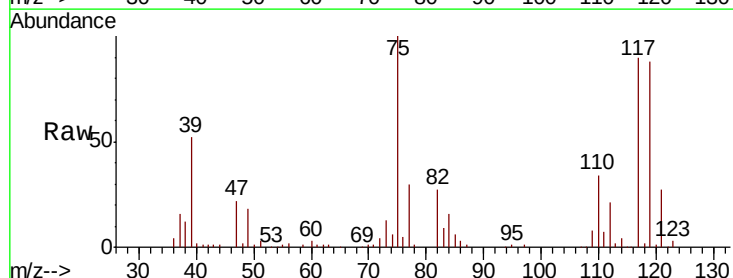
Tgt Ion: 117 Resp: 152037

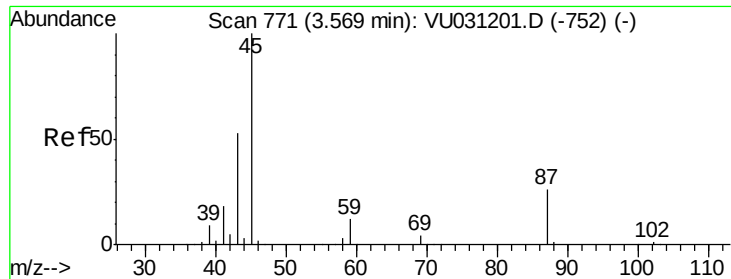
Ion Ratio Lower Upper

117 100

119 97.8 76.2 114.4

121 30.1 23.8 35.8





#31

Isopropyl Ether

Concen: 9.596 ug/l

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

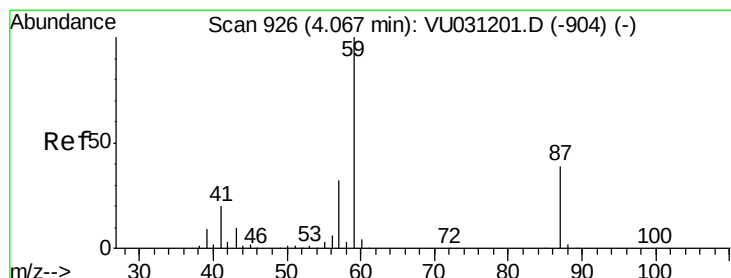
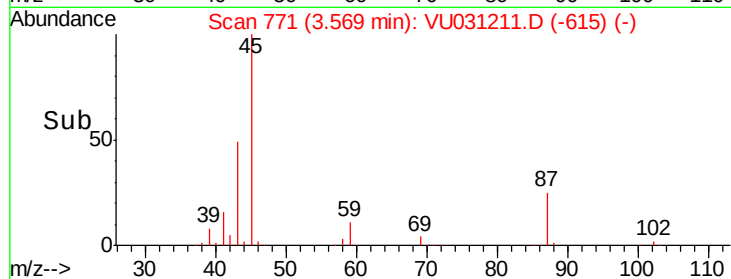
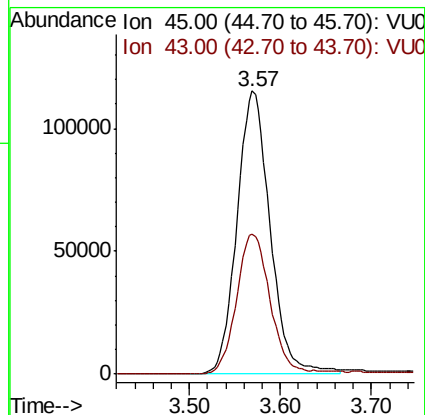
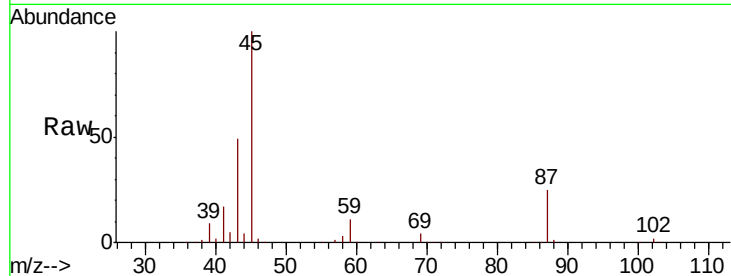
VSTDCCC010EC

Tgt Ion: 45 Resp: 292017

Ion Ratio Lower Upper

45 100

43 50.4 26.4 79.2



#32

Ethyl-t-butyl ether

Concen: 10.101 ug/l

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VU031211.D

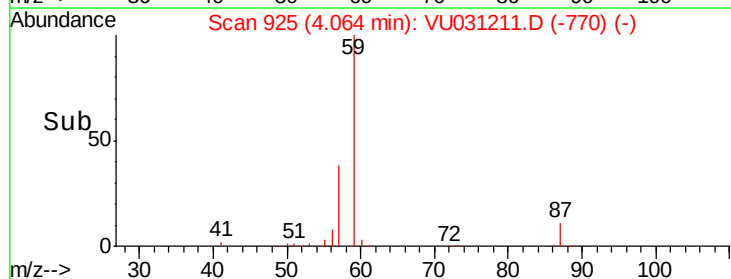
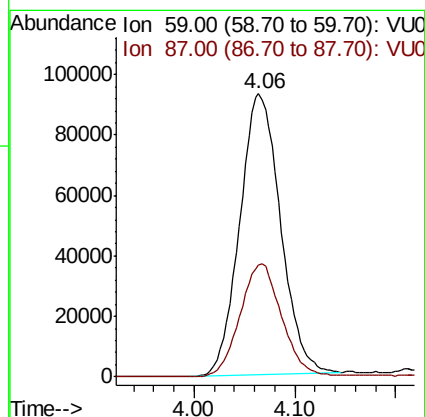
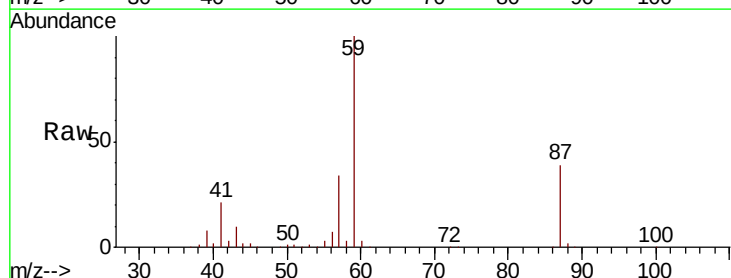
Acq: 16 Apr 2019 13:31

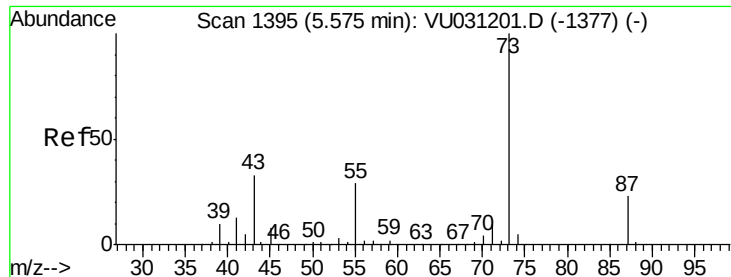
Tgt Ion: 59 Resp: 260675

Ion Ratio Lower Upper

59 100

87 40.3 32.2 48.2



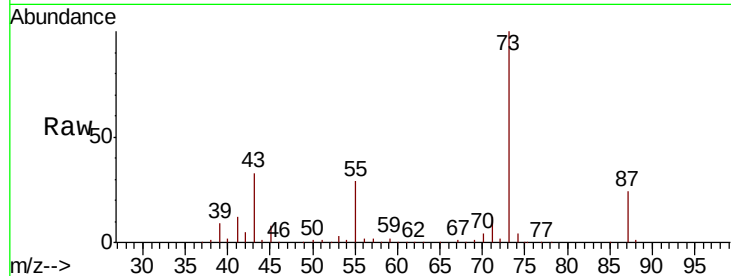


#33

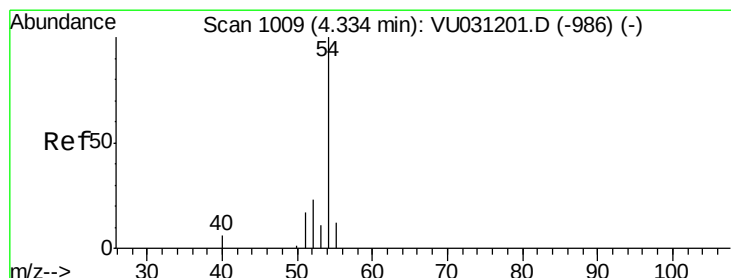
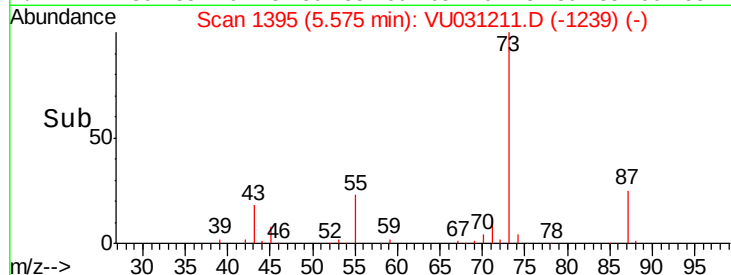
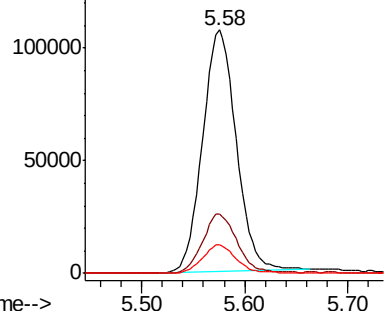
Tert-Amyl methyl ether
 Concen: 10.795 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 73 Resp: 243859
 Ion Ratio Lower Upper
 73 100
 87 24.3 18.4 27.6
 71 11.5 8.8 13.2



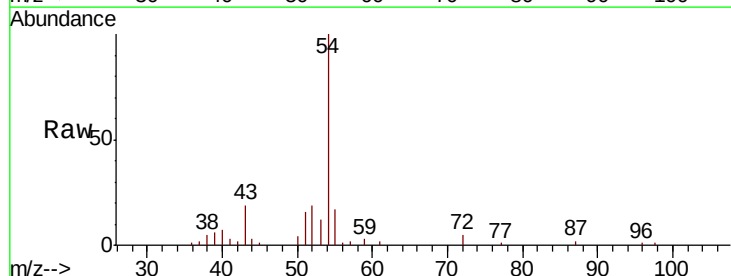
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



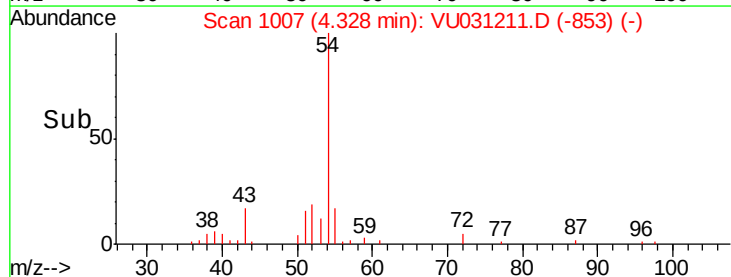
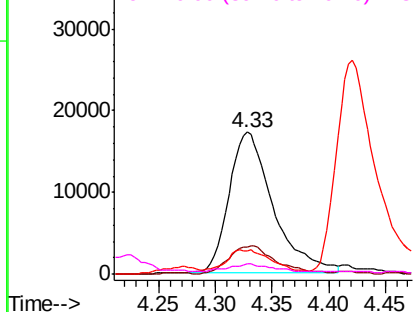
#34

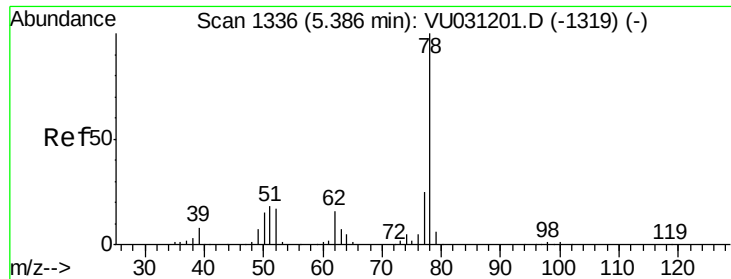
Propionitrile
 Concen: 52.119 ug/l
 RT: 4.33 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 54 Resp: 46485
 Ion Ratio Lower Upper
 54 100
 52 21.5 15.9 23.9
 55 14.4 8.9 13.3#
 40 5.5 4.1 6.1



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





#35

Benzene

Concen: 10.078 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

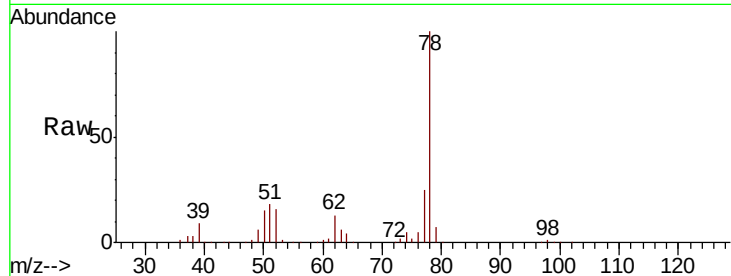
VSTDCCC010EC

Tgt Ion: 78 Resp: 439002

Ion Ratio Lower Upper

78 100

77 24.6 19.6 29.4



Abundance Ion 78.10 (77.80 to 78.80): VU031211.D (-1180) (-)

Ion 77.00 (76.70 to 77.70): VU031211.D (-1180) (-)

5.38

200000

150000

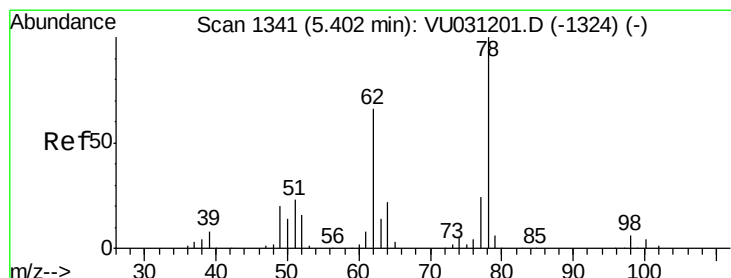
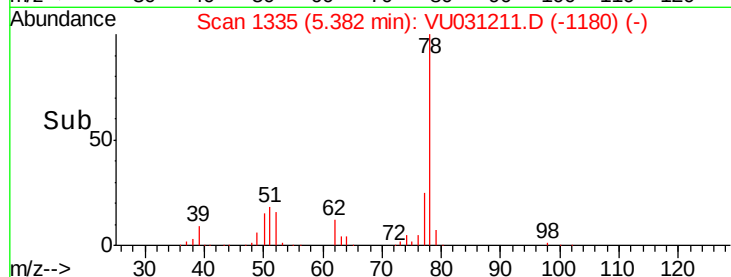
100000

50000

0

5.30 5.35 5.40 5.45 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 9.816 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031211.D

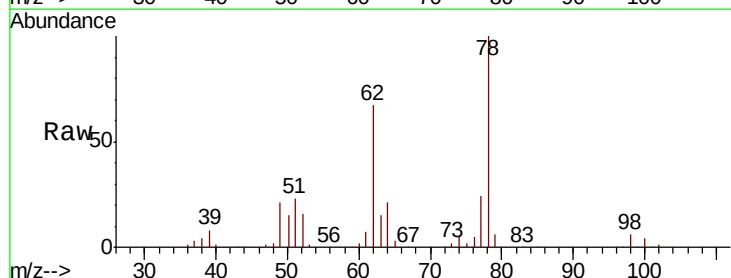
Acq: 16 Apr 2019 13:31

Tgt Ion: 62 Resp: 136074

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031211.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU031211.D (-1185) (-)

5.40

60000

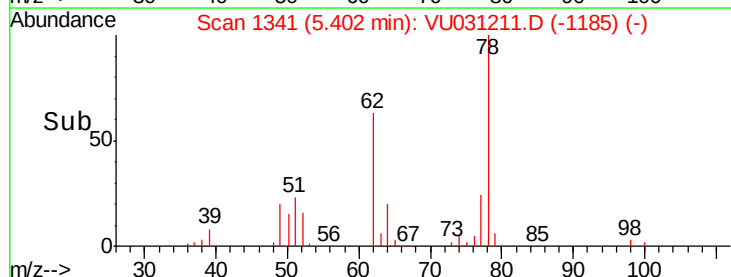
40000

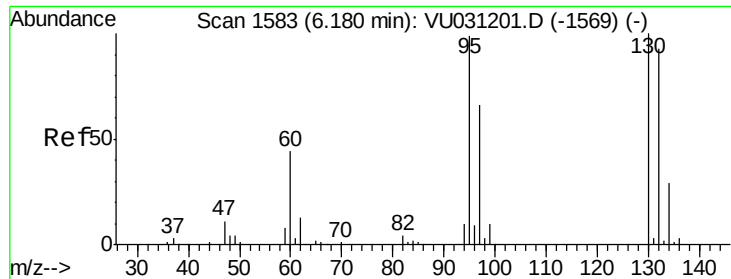
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->

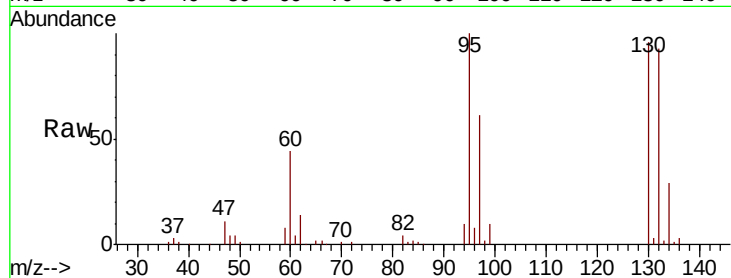




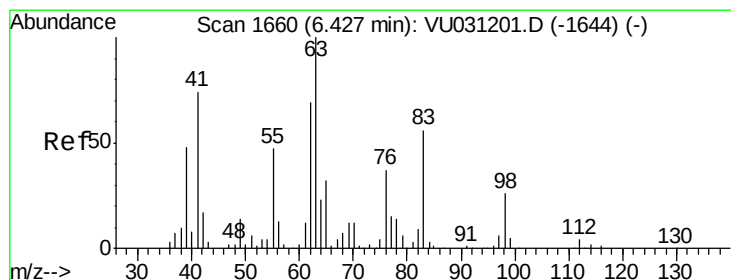
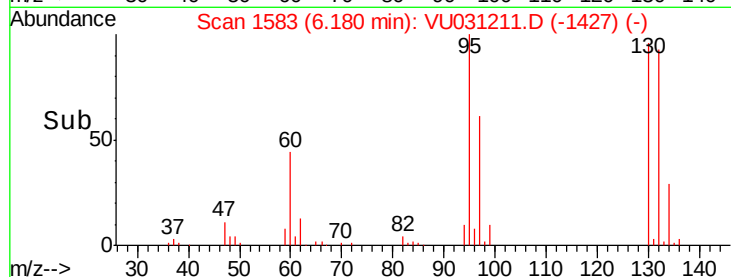
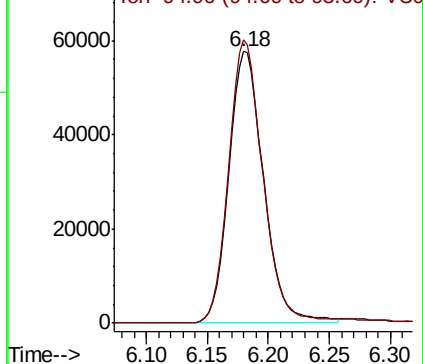
#37
 Trichloroethene
 Concen: 9.424 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:130 Resp: 115120
 Ion Ratio Lower Upper
 130 100
 95 104.3 79.3 118.9

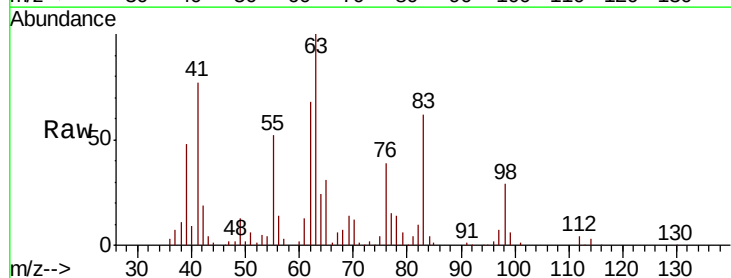


Abundance Ion 129.90 (129.60 to 130.60): VU031211.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU031211.D (-1569) (-)

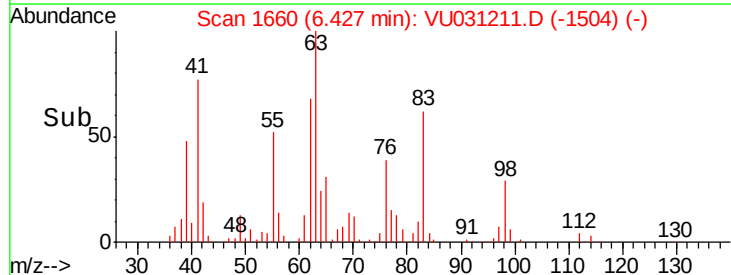
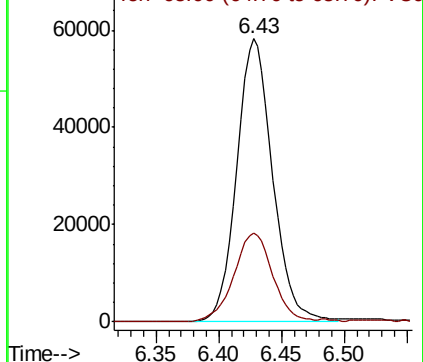


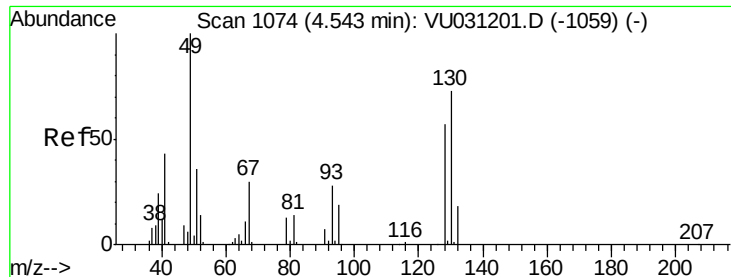
#38
 1,2-Dichloropropane
 Concen: 9.991 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 63 Resp: 115892
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU031211.D (-1644) (-)
 Ion 65.00 (64.70 to 65.70): VU031211.D (-1644) (-)

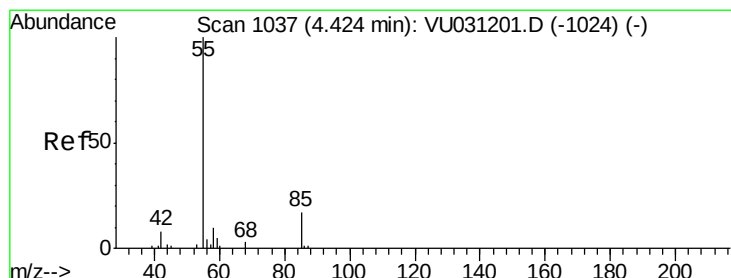
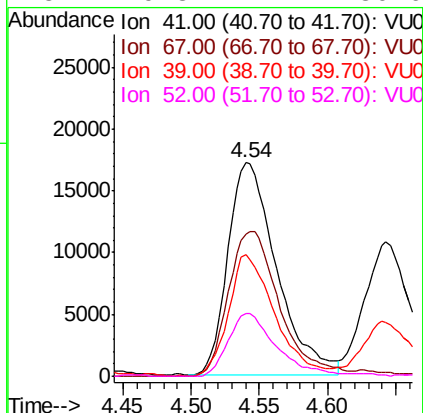
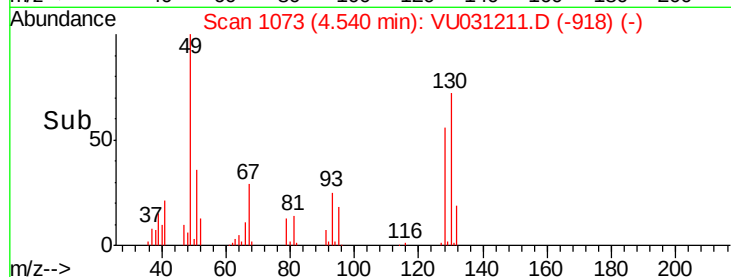
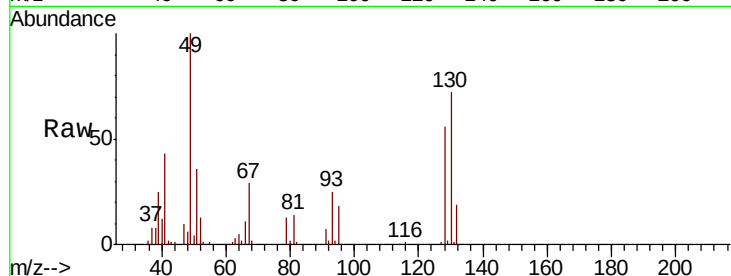




#39
Methacrylonitrile
Concen: 10.601 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

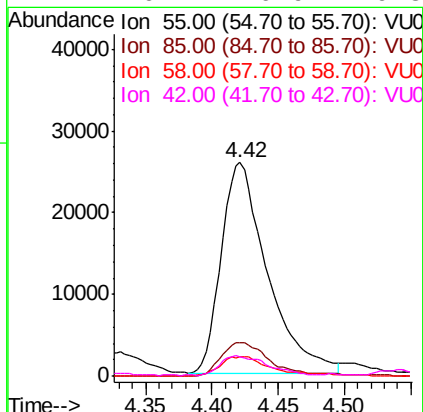
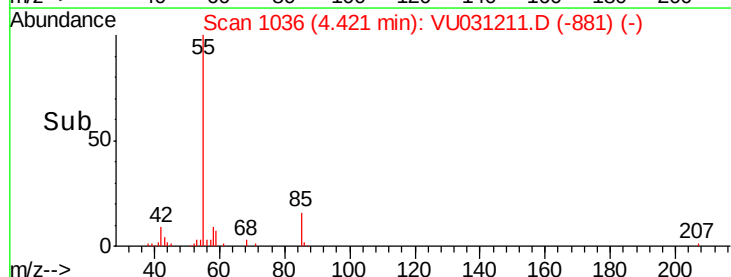
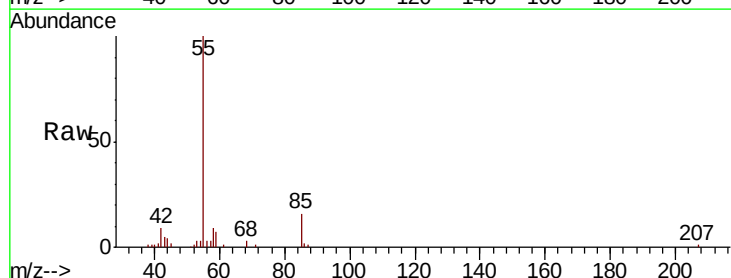
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

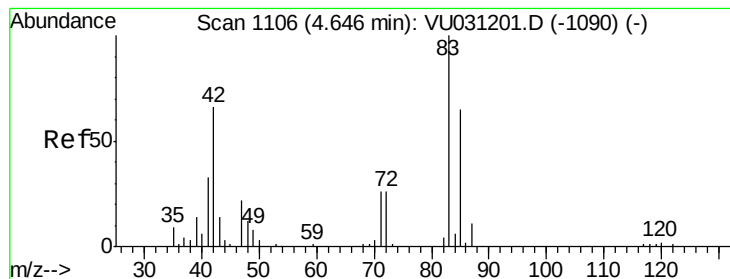
Tgt Ion:	41	Resp:	42587
Ion	Ratio	Lower	Upper
41	100		
67	71.7	59.7	89.5
39	54.5	42.2	63.2
52	29.3	24.4	36.6



#40
Methyl acrylate
Concen: 9.939 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:	55	Resp:	62222
Ion	Ratio	Lower	Upper
55	100		
85	16.3	12.2	18.2
58	9.1	7.0	10.6
42	10.1	6.9	10.3





#41

Tetrahydrofuran

Concen: 22.472 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

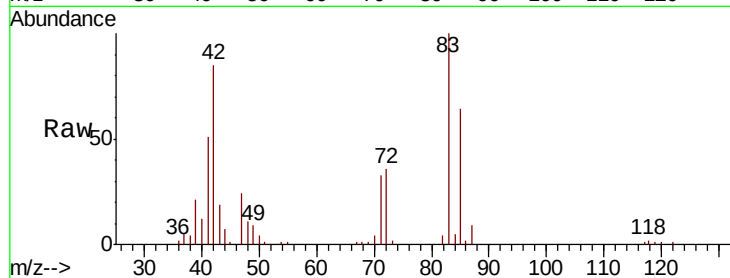
Tgt Ion: 42 Resp: 46101

Ion Ratio Lower Upper

42 100

72 41.7 34.4 51.6

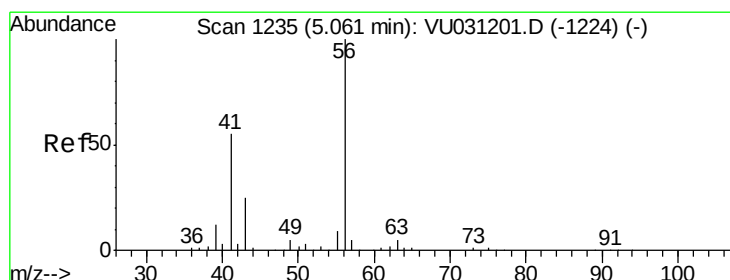
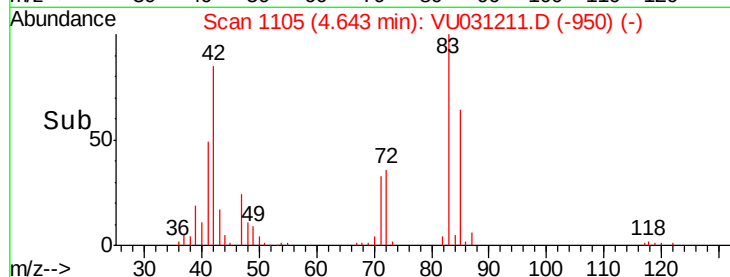
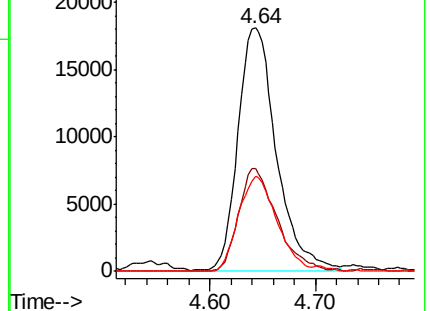
71 38.4 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 10.744 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU031211.D

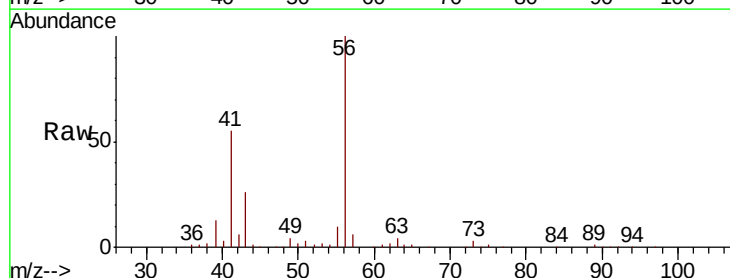
Acq: 16 Apr 2019 13:31

Tgt Ion: 56 Resp: 223981

Ion Ratio Lower Upper

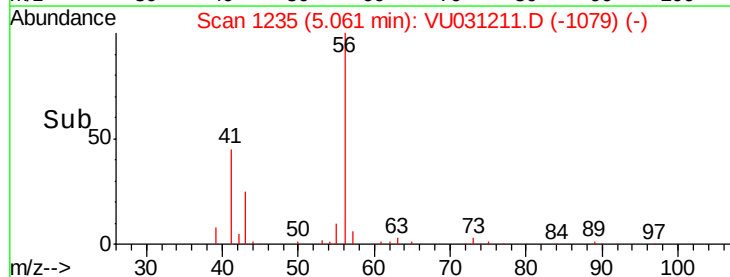
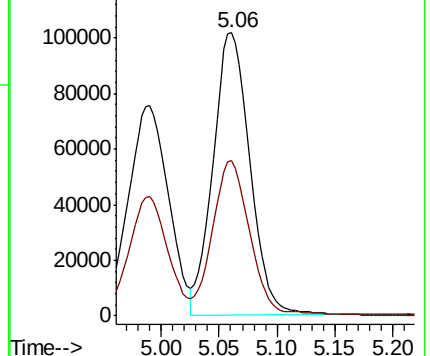
56 100

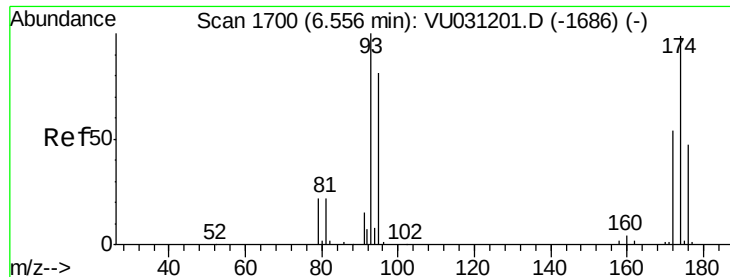
41 55.8 27.3 81.9



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 9.726 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

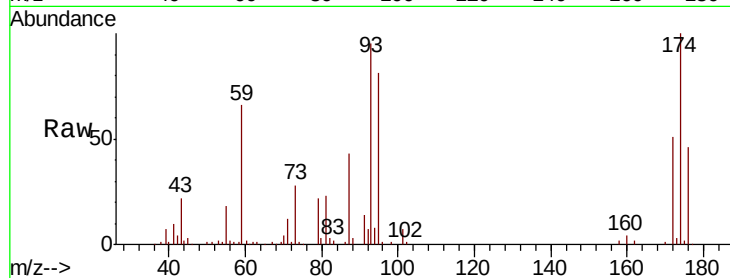
Tgt Ion: 93 Resp: 60702

Ion Ratio Lower Upper

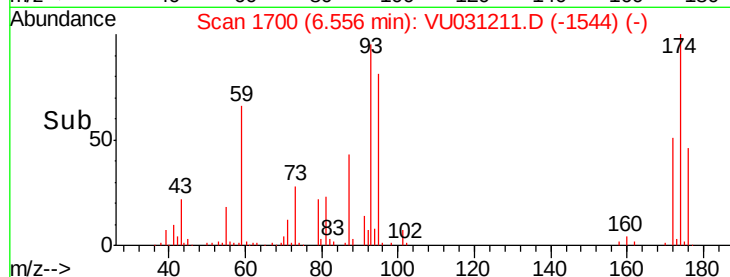
93 100

95 86.1 67.4 101.0

174 102.3 79.1 118.7



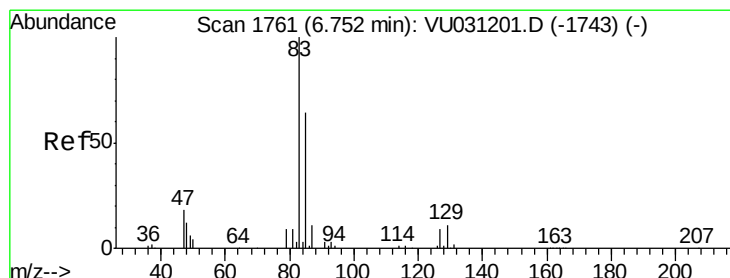
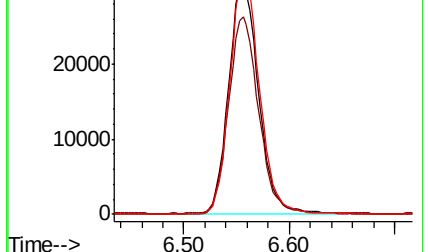
Abundance Ion 93.00 (92.70 to 93.70): VU031211.D (-1544) (-)



Ion 95.00 (94.70 to 95.70): VU031211.D (-1544) (-)

Ion 174.00 (173.70 to 174.70): VU031211.D (-1544) (-)

Time-->



#44

Bromodichloromethane

Concen: 9.920 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

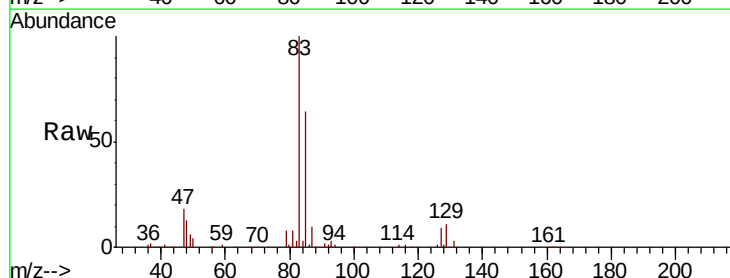
Tgt Ion: 83 Resp: 149189

Ion Ratio Lower Upper

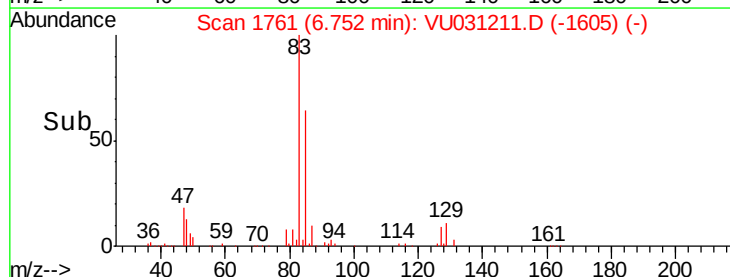
83 100

85 64.0 51.0 76.6

127 8.5 7.4 11.0



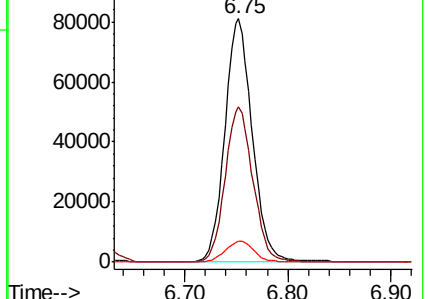
Abundance Ion 83.00 (82.70 to 83.70): VU031211.D (-1605) (-)

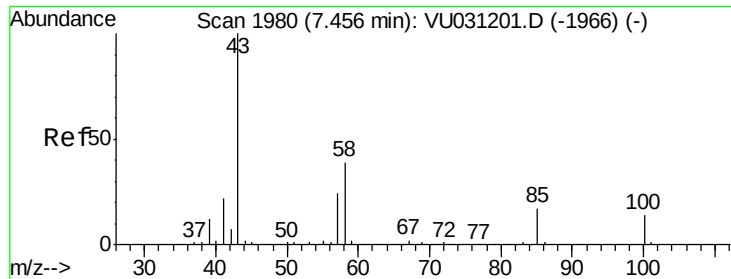


Ion 85.00 (84.70 to 85.70): VU031211.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VU031211.D (-1605) (-)

Time-->

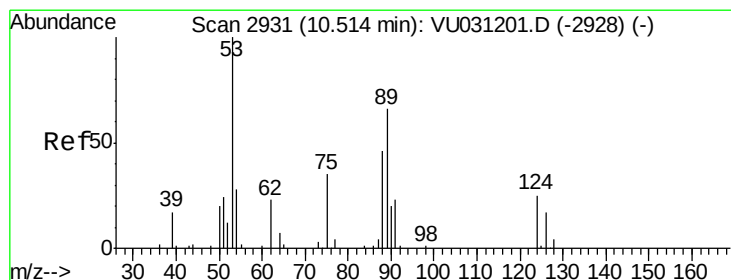
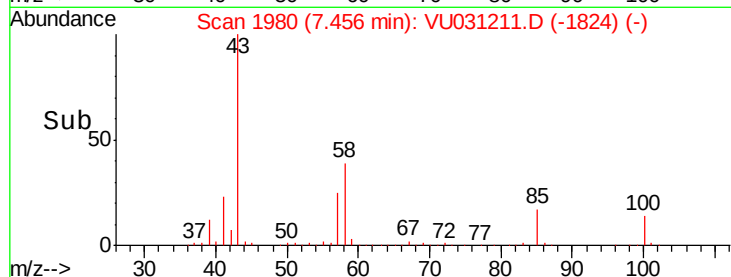
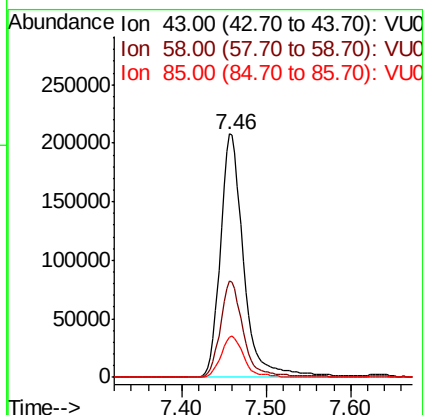
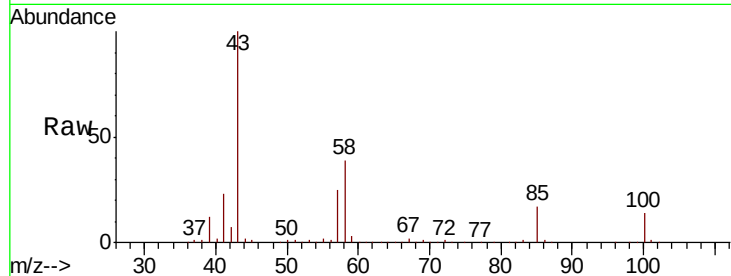




#45
4-Methyl-2-Pentanone
Concen: 54.285 ug/l
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

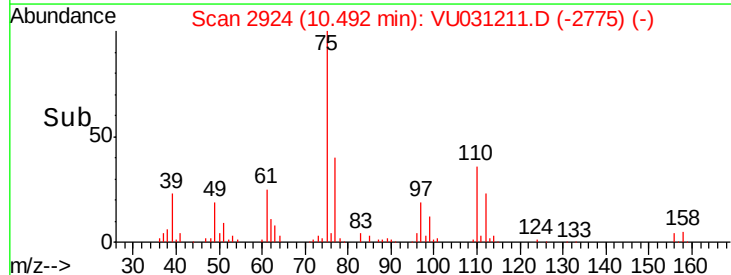
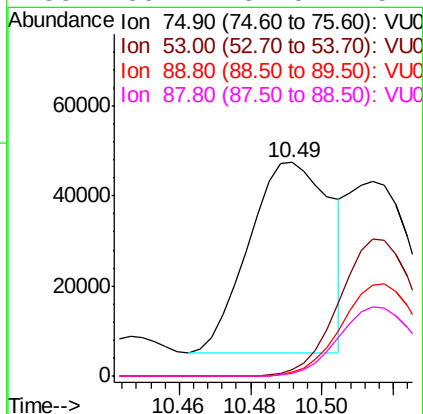
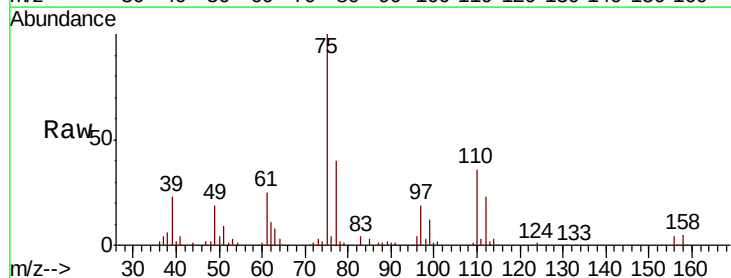
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

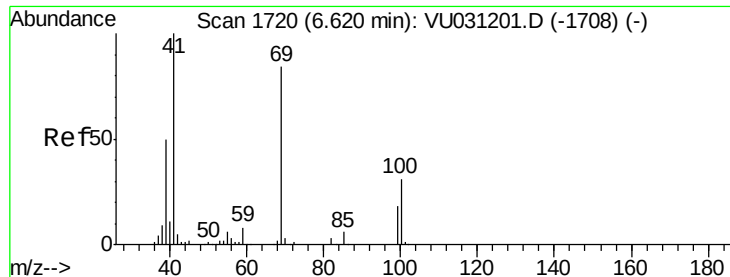
Tgt Ion: 43 Resp: 399656
Ion Ratio Lower Upper
43 100
58 38.8 19.4 58.2
85 16.5 13.2 19.8



#46
t-1,4-Dichloro-2-butene
Concen: 24.045 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion: 75 Resp: 67476
Ion Ratio Lower Upper
75 100
53 70.7 65.2 97.8
89 47.1 43.0 64.4
88 35.4 32.5 48.7





#47

Methyl methacrylate

Concen: 22.852 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 69 Resp: 120362

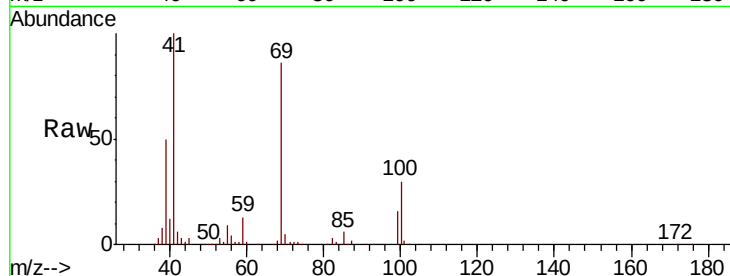
Ion Ratio Lower Upper

69 100

41 113.2 0.0 237.2

39 60.2 47.4 71.2

100 35.8 29.2 43.8

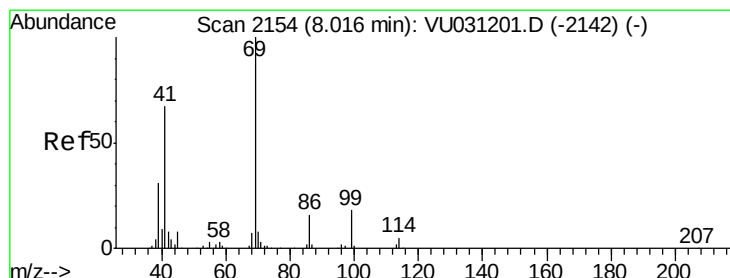
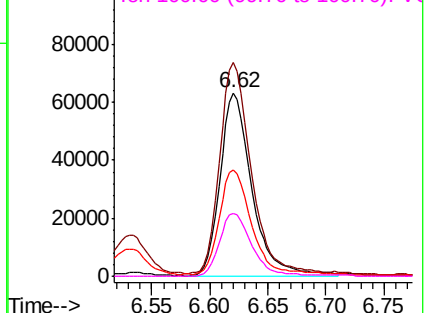
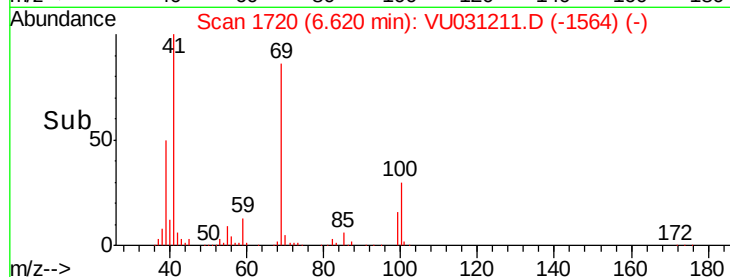


Abundance Ion 69.00 (68.70 to 69.70): VU031211.D (-1564) (-)

Ion 41.00 (40.70 to 41.70): VU031211.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VU031211.D (-1564) (-)

Ion 100.00 (99.70 to 100.70): VU031211.D (-1564) (-)



#48

Ethyl methacrylate

Concen: 9.679 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VU031211.D

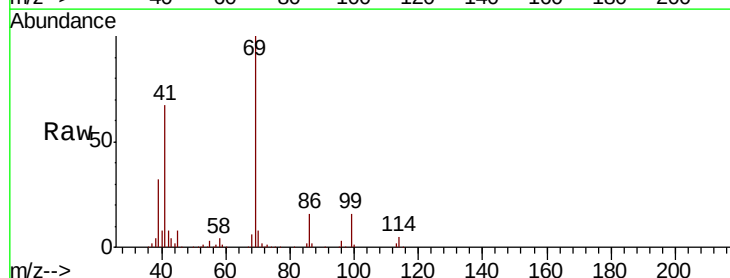
Acq: 16 Apr 2019 13:31

Tgt Ion: 69 Resp: 110550

Ion Ratio Lower Upper

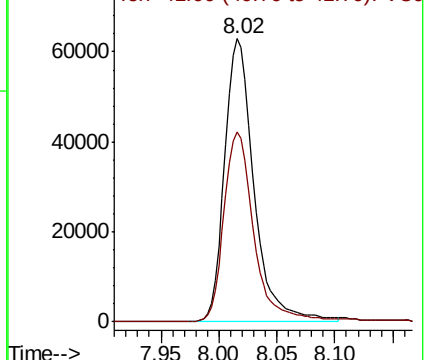
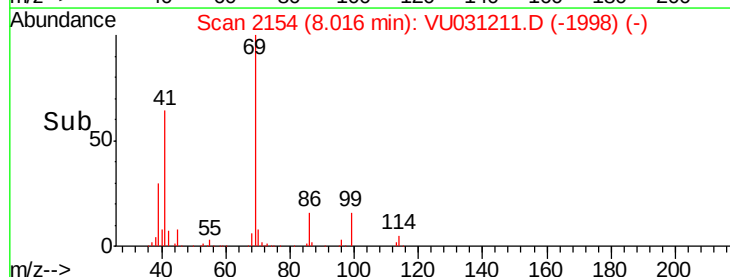
69 100

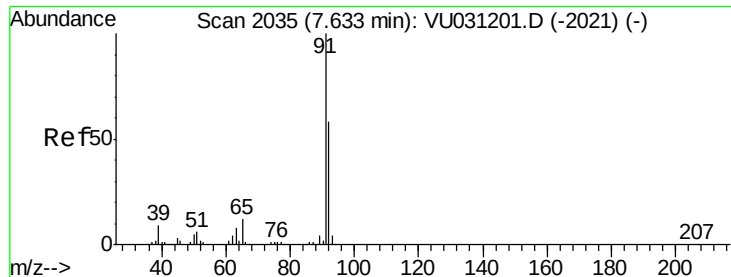
41 69.0 32.5 97.5



Abundance Ion 69.00 (68.70 to 69.70): VU031211.D (-1998) (-)

Ion 41.00 (40.70 to 41.70): VU031211.D (-1998) (-)





#49

Toluene

Concen: 10.879 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

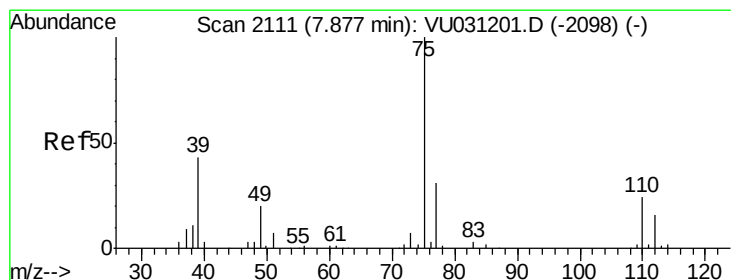
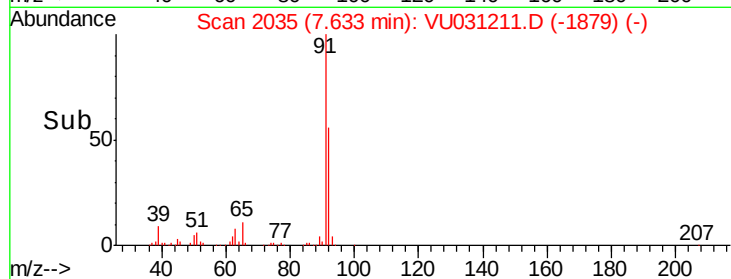
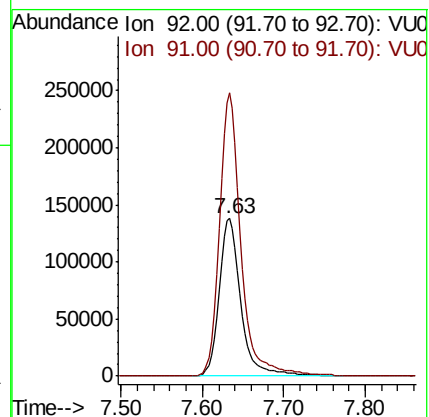
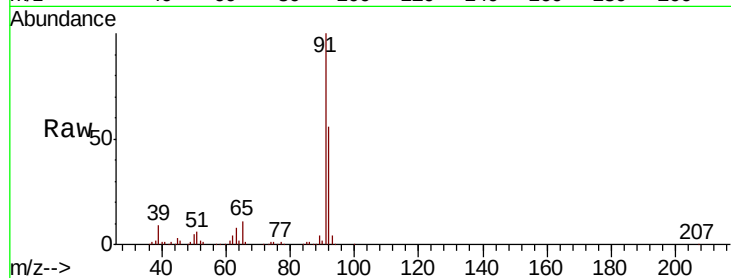
VSTDCCC010EC

Tgt Ion: 92 Resp: 260107

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.4



#50

t-1,3-Dichloropropene

Concen: 11.057 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031211.D

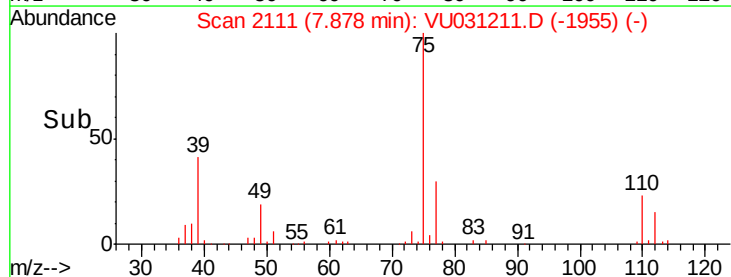
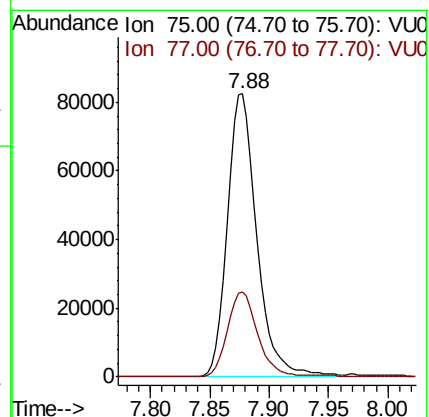
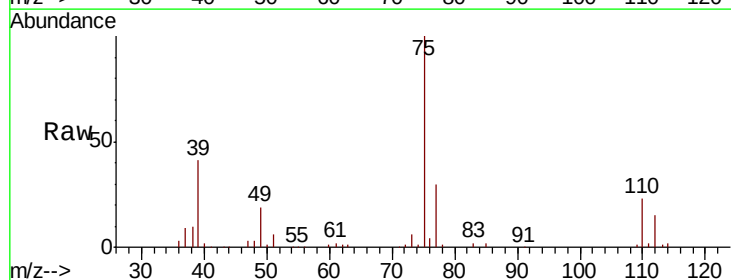
Acq: 16 Apr 2019 13:31

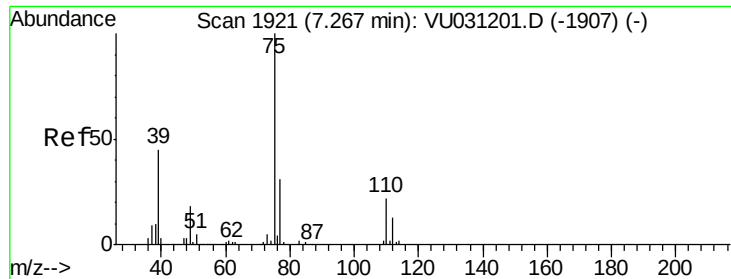
Tgt Ion: 75 Resp: 141793

Ion Ratio Lower Upper

75 100

77 30.2 24.6 37.0

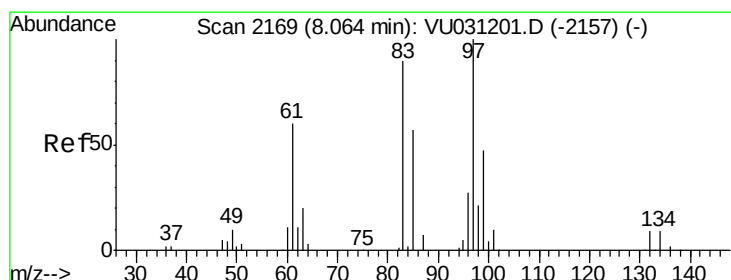
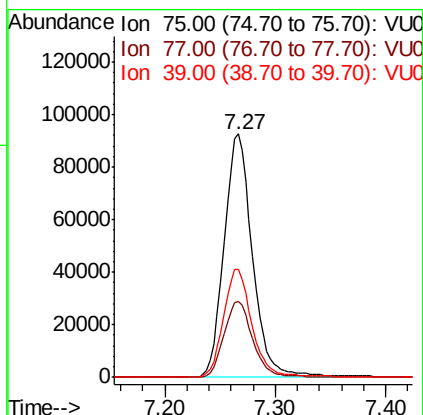
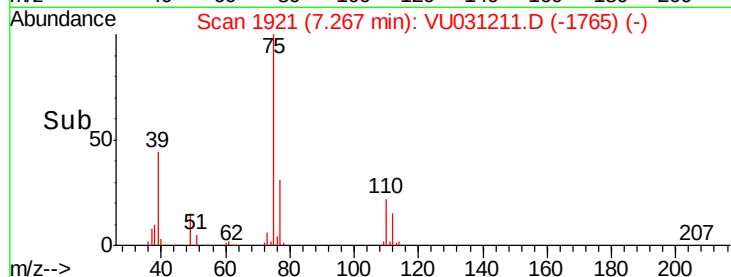
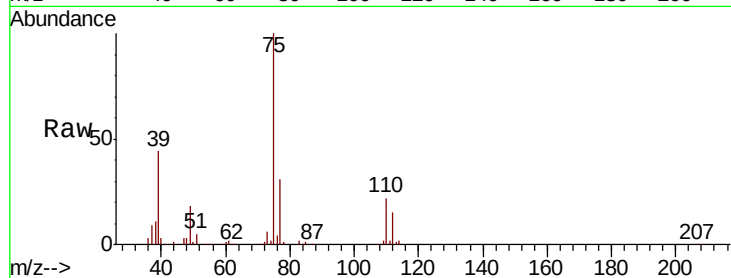




#51
 cis-1,3-Dichloropropene
 Concen: 10.896 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

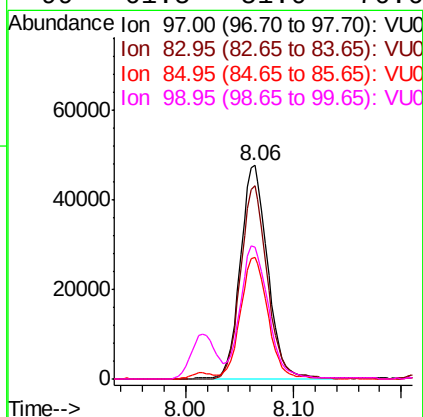
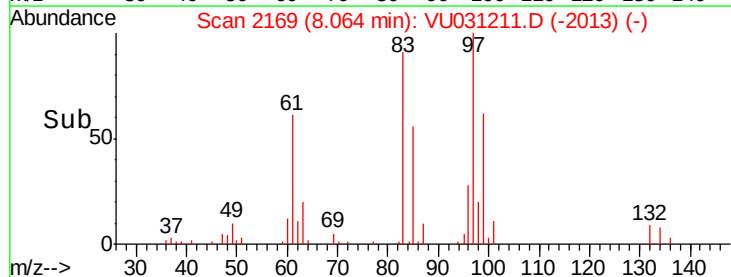
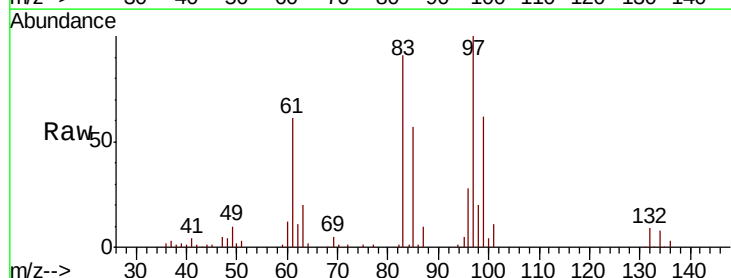
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

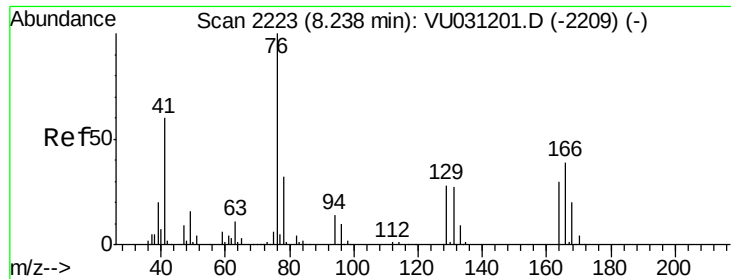
Tgt Ion: 75 Resp: 165210
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0
 39 44.1 36.1 54.1



#52
 1,1,2-Trichloroethane
 Concen: 9.997 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 97 Resp: 84188
 Ion Ratio Lower Upper
 97 100
 83 90.6 71.5 107.3
 85 56.9 46.7 70.1
 99 61.5 51.0 76.6

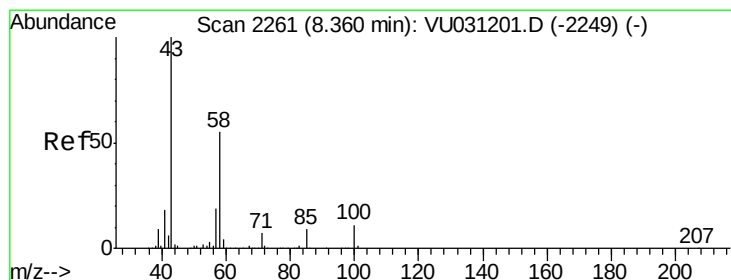
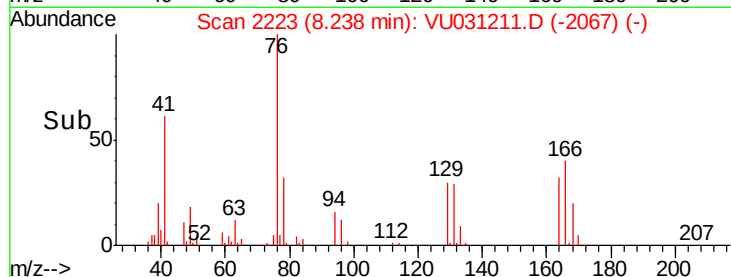
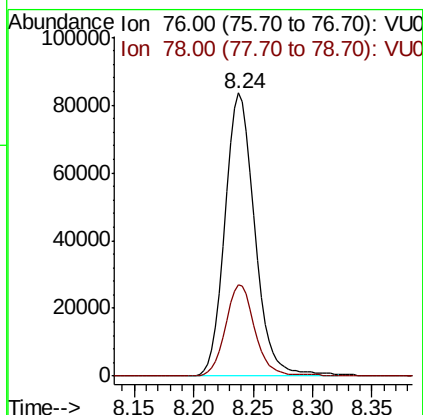
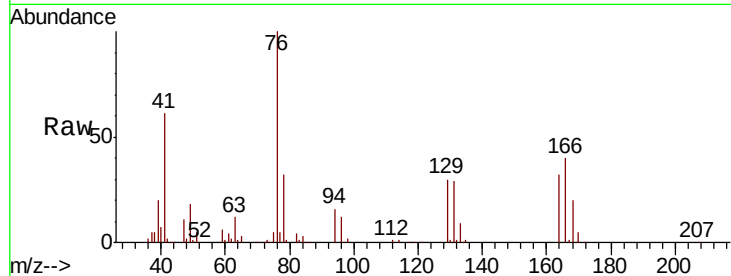




#53
 1,3-Dichloropropane
 Concen: 10.193 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

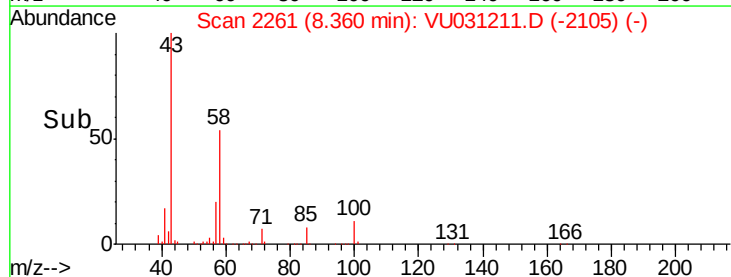
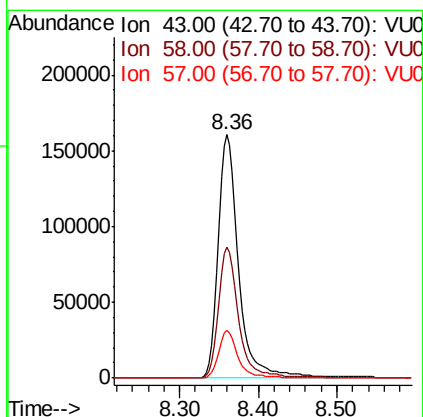
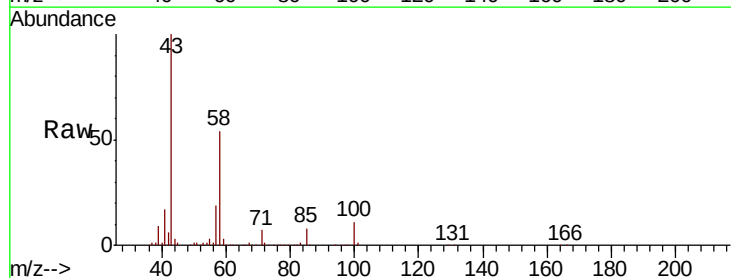
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

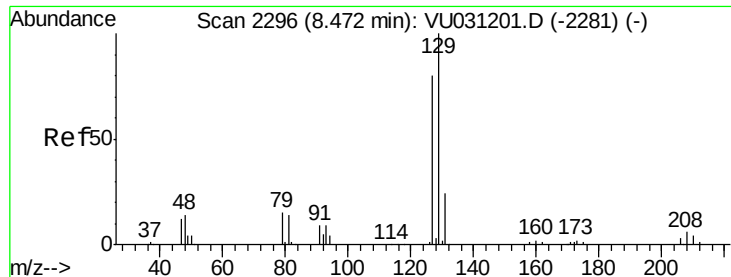
Tgt Ion: 76 Resp: 145719
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.3 37.9



#54
 2-Hexanone
 Concen: 57.969 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 43 Resp: 288025
 Ion Ratio Lower Upper
 43 100
 58 53.3 35.5 75.5
 57 18.4 0.0 38.7

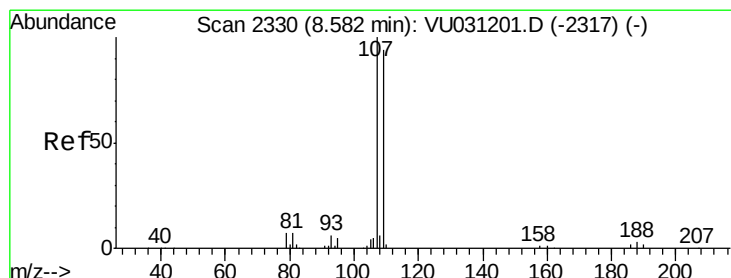
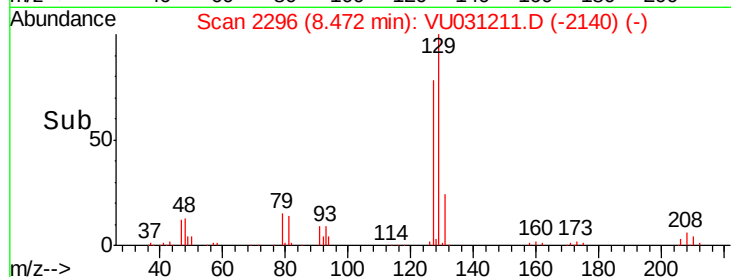
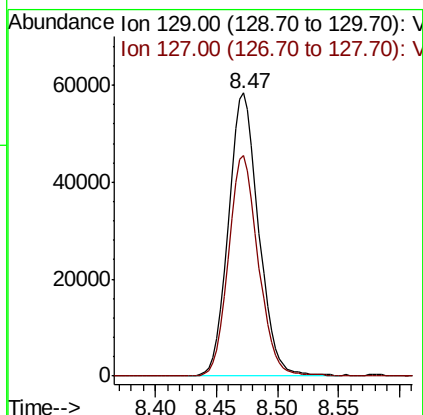
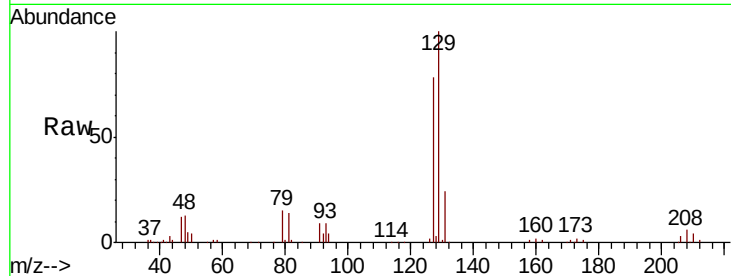




#55
 Dibromochloromethane
 Concen: 10.116 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

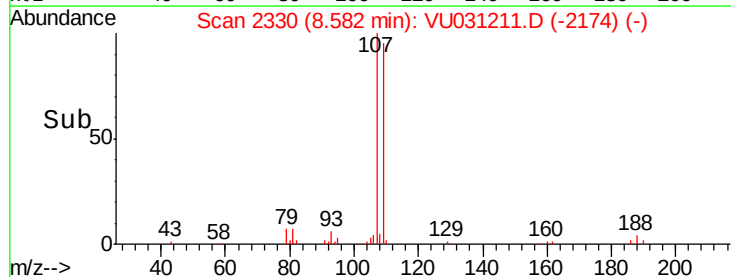
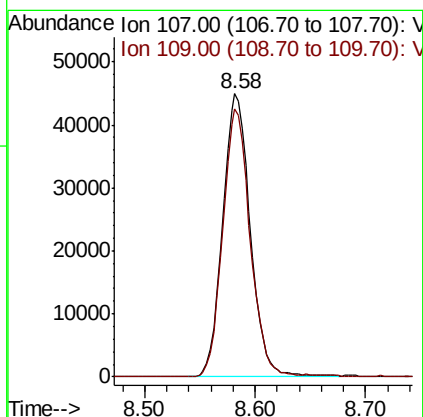
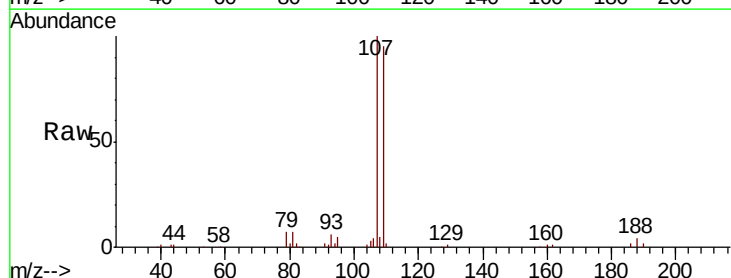
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

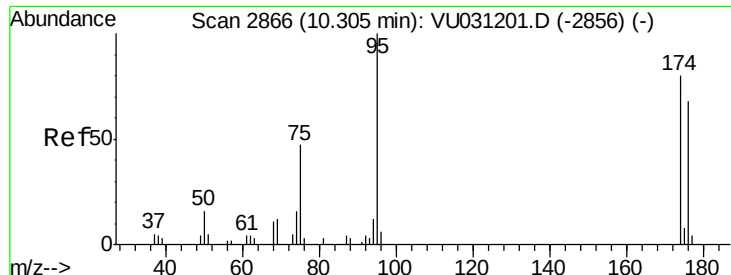
Tgt Ion:129 Resp: 100978
 Ion Ratio Lower Upper
 129 100
 127 76.7 62.2 93.2



#56
 1,2-Dibromoethane
 Concen: 9.966 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion:107 Resp: 77999
 Ion Ratio Lower Upper
 107 100
 109 93.7 0.0 189.0

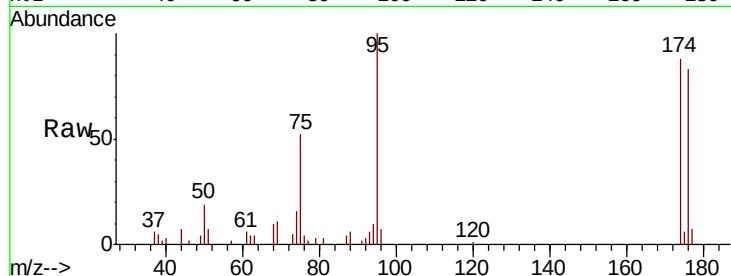




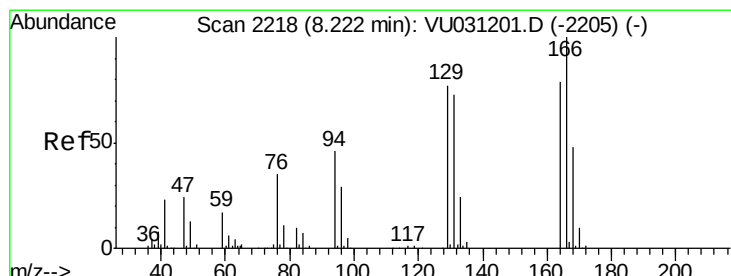
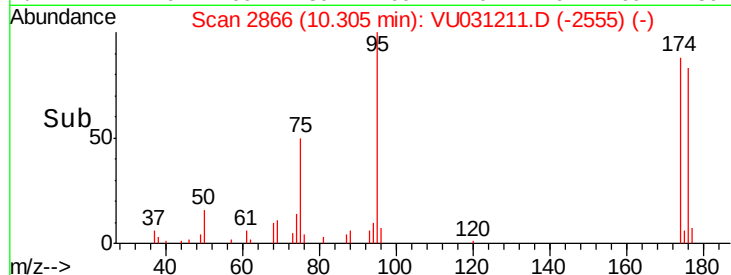
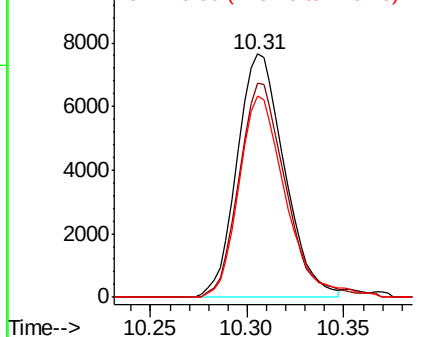
#57
4-Bromofluorobenzene
Concen: 9.966 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 95 Resp: 13049
Ion Ratio Lower Upper
95 100
174 86.7 64.2 96.2
176 81.7 58.0 87.0

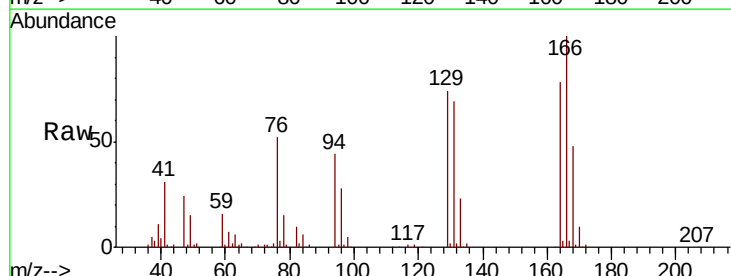


Abundance Ion 95.00 (94.70 to 95.70): VU031211.D (-2555) (-)
Ion 174.00 (173.70 to 174.70): VU031211.D (-2555) (-)
Ion 176.00 (175.70 to 176.70): VU031211.D (-2555) (-)

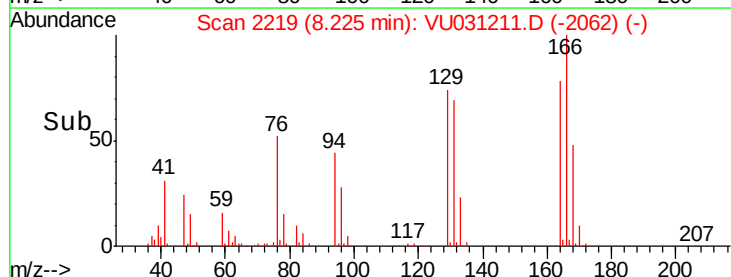
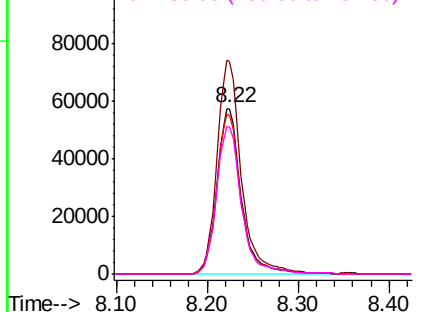


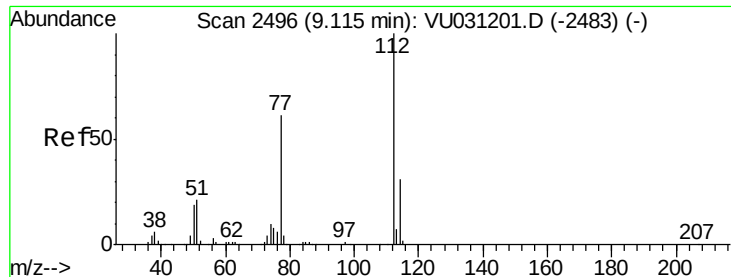
#58
Tetrachloroethene
Concen: 10.284 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion: 164 Resp: 106804
Ion Ratio Lower Upper
164 100
166 128.9 100.9 151.3
129 95.9 77.6 116.4
131 89.1 73.5 110.3



Abundance Ion 163.85 (163.55 to 164.55): VU031211.D (-2062) (-)
Ion 165.80 (165.50 to 166.50): VU031211.D (-2062) (-)
Ion 128.90 (128.60 to 129.60): VU031211.D (-2062) (-)
Ion 130.90 (130.60 to 131.60): VU031211.D (-2062) (-)

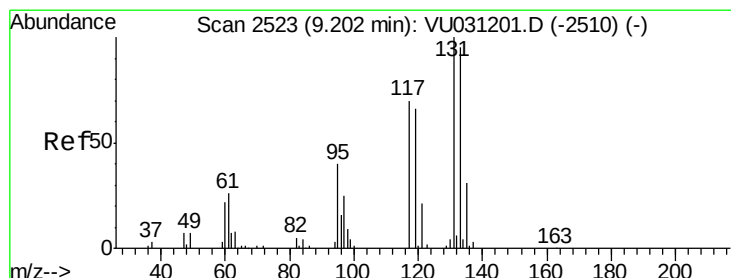
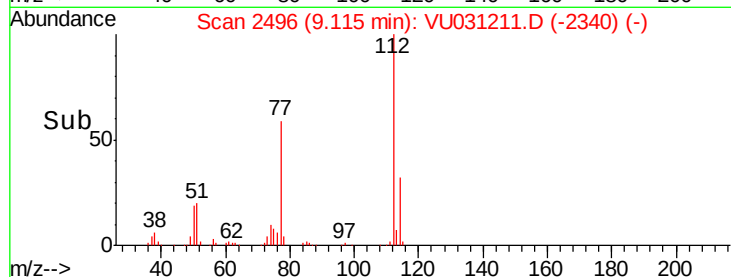
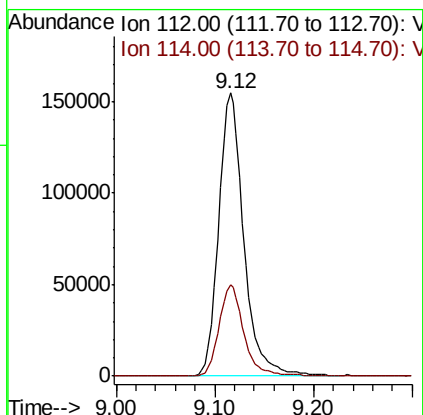
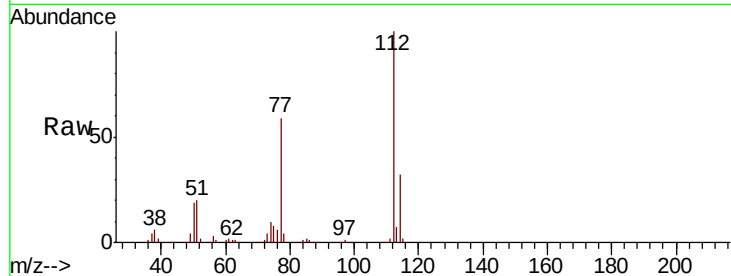




#59
Chlorobenzene
Concen: 10.412 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

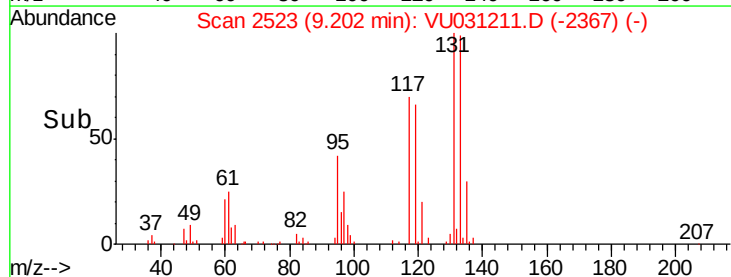
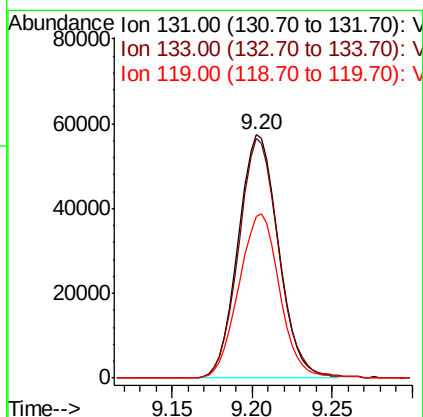
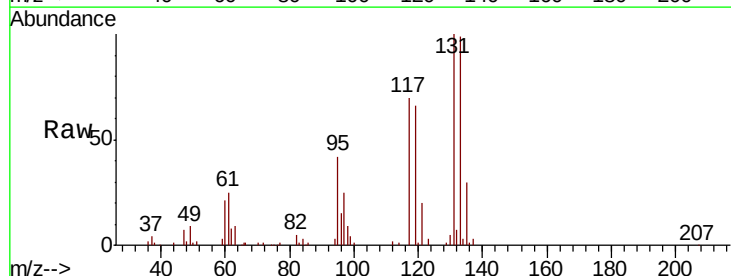
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

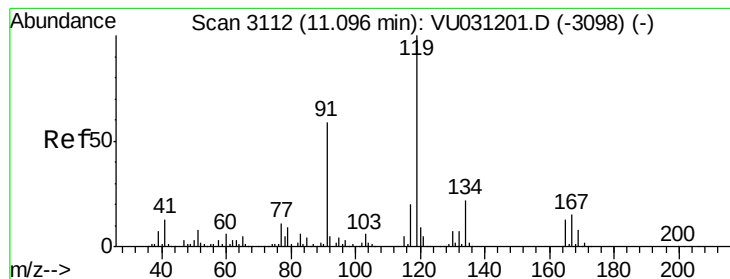
Tgt Ion:112 Resp: 276450
Ion Ratio Lower Upper
112 100
114 32.1 24.4 36.6



#60
1,1,1,2-Tetrachloroethane
Concen: 9.941 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:131 Resp: 98933
Ion Ratio Lower Upper
131 100
133 98.0 77.2 115.8
119 68.5 51.4 77.2





#61

Pentachloroethane

Concen: 9.756 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

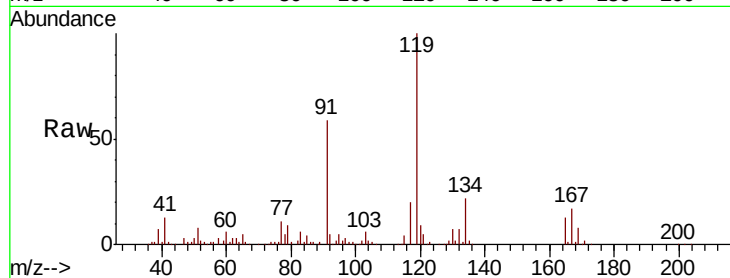
VSTDCCC010EC

Tgt Ion:117 Resp: 75552

Ion Ratio Lower Upper

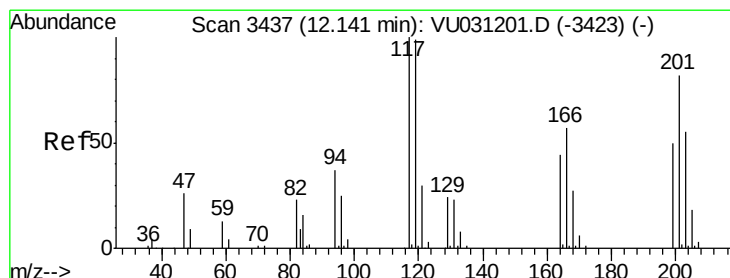
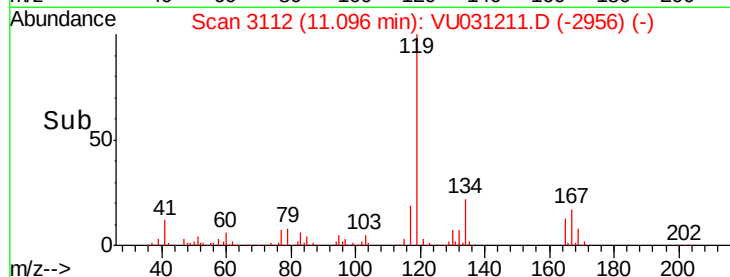
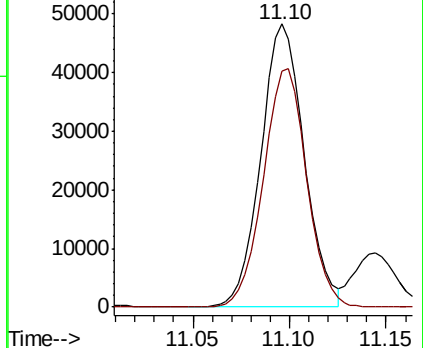
117 100

167 84.2 63.1 94.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 9.865 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031211.D

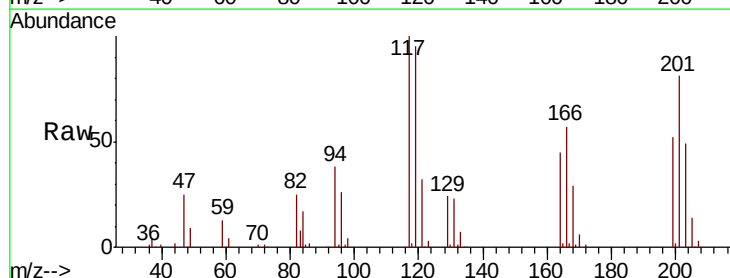
Acq: 16 Apr 2019 13:31

Tgt Ion:117 Resp: 73835

Ion Ratio Lower Upper

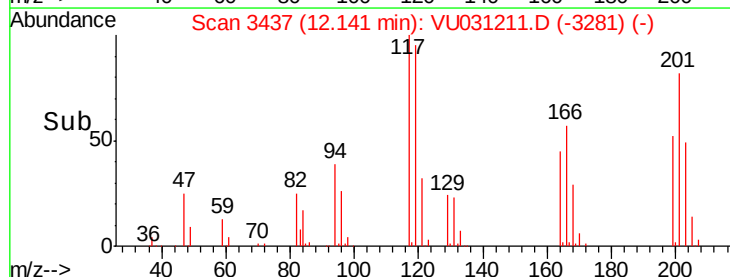
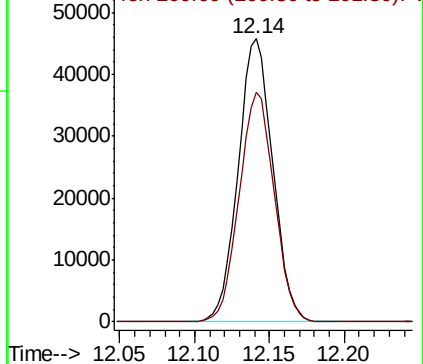
117 100

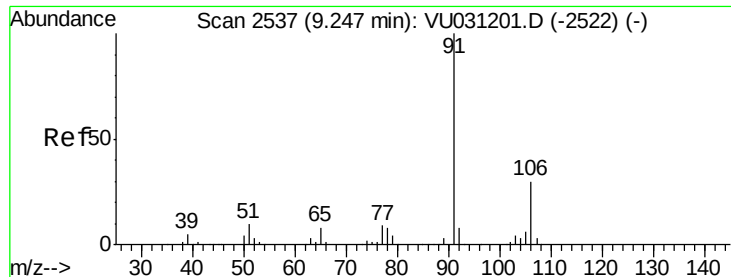
201 82.0 63.9 95.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

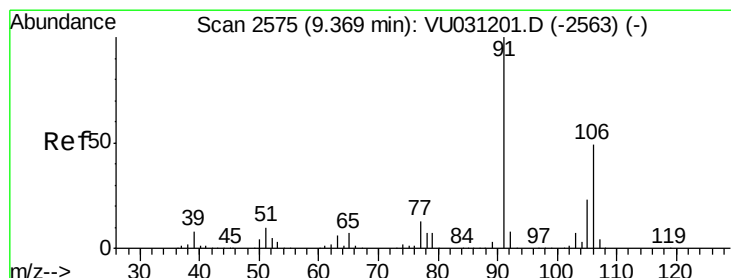
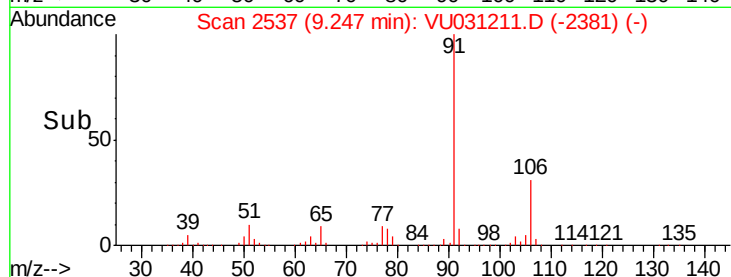
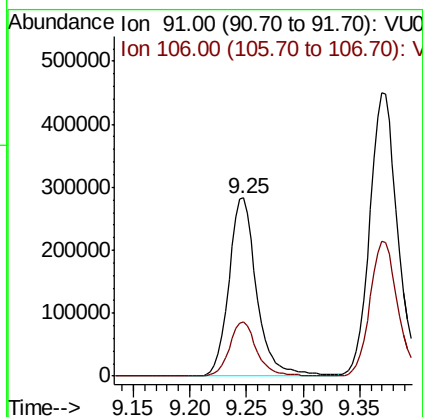
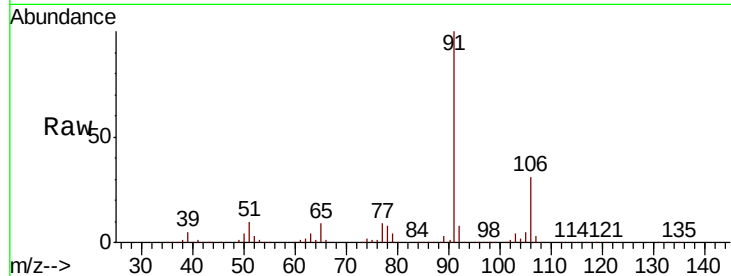




#63
Ethyl Benzene
Concen: 11.447 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

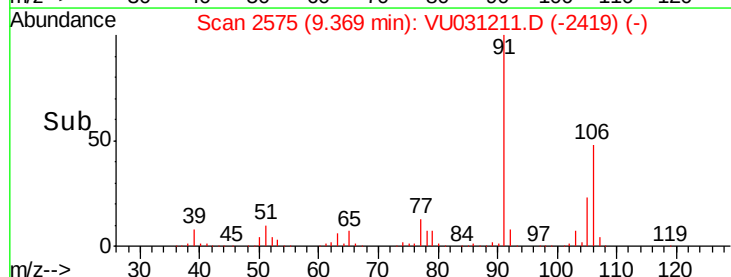
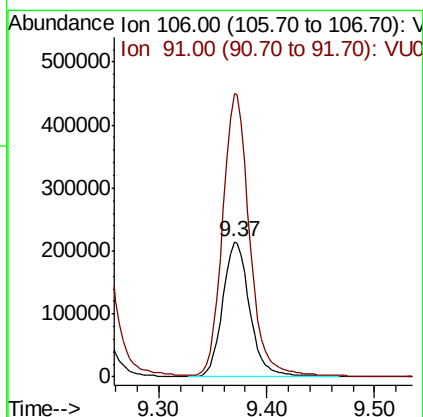
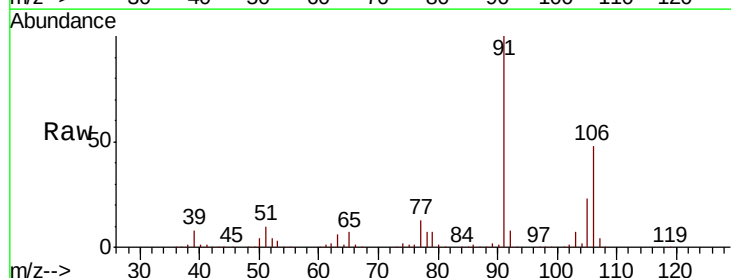
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

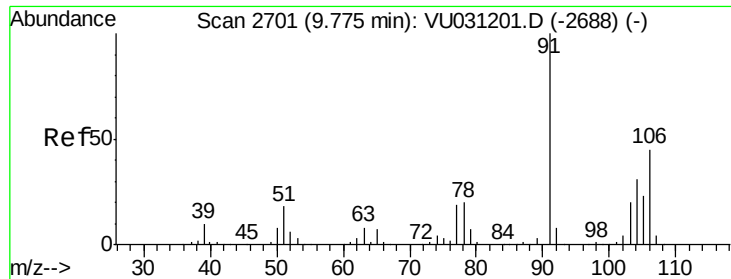
Tgt Ion: 91 Resp: 484931
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#64
m/p-Xylenes
Concen: 23.103 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion: 106 Resp: 372668
Ion Ratio Lower Upper
106 100
91 210.7 165.7 248.5





#65

o-Xylene

Concen: 11.462 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

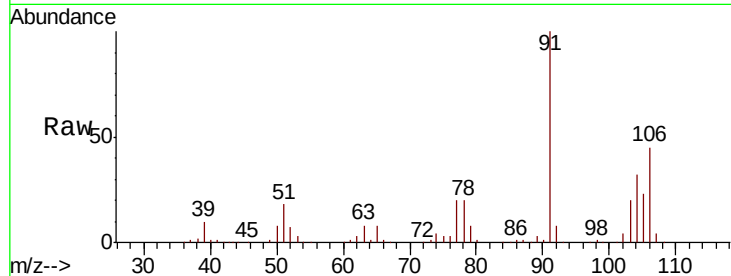
VSTDCCC010EC

Tgt Ion:106 Resp: 176968

Ion Ratio Lower Upper

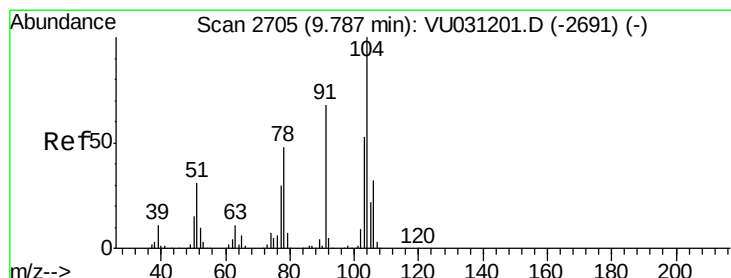
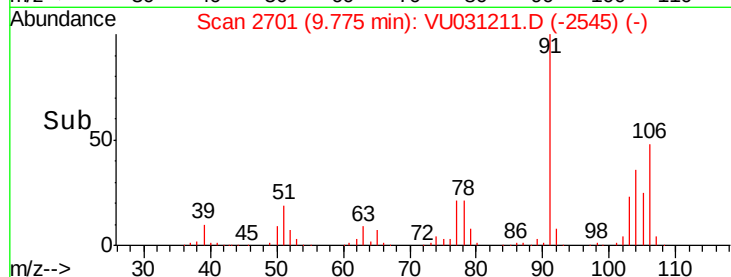
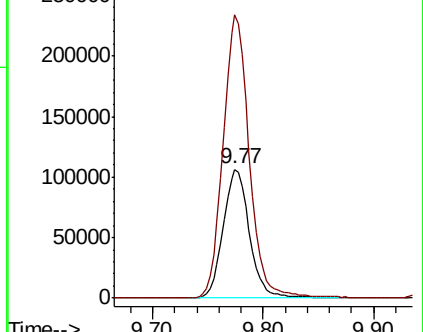
106 100

91 217.9 111.3 333.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.097 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

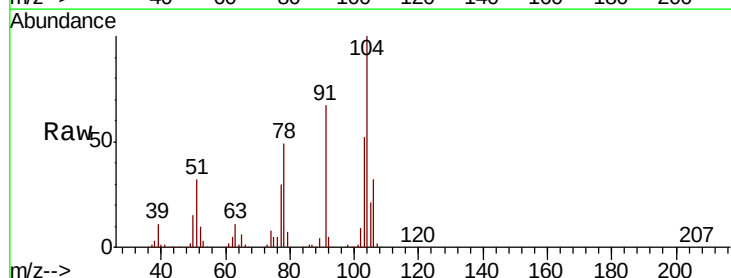
Tgt Ion:104 Resp: 313993

Ion Ratio Lower Upper

104 100

78 50.1 41.4 62.0

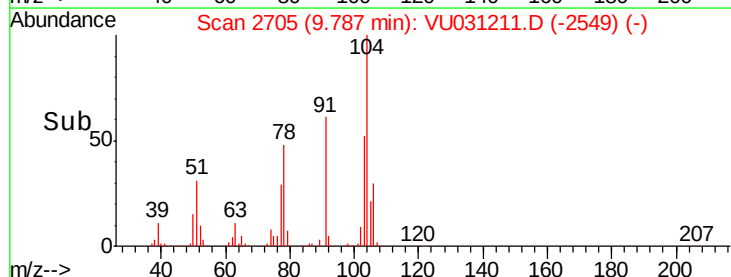
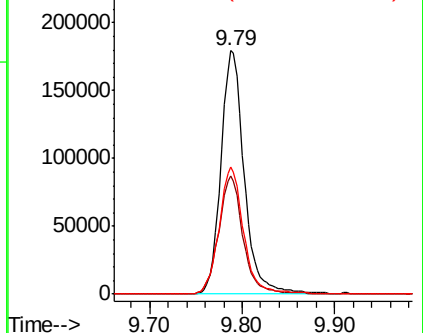
103 54.6 45.0 67.4

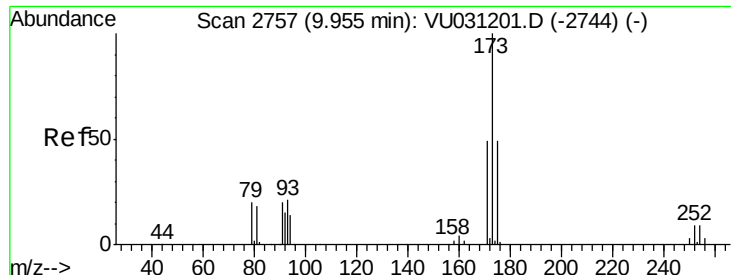


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

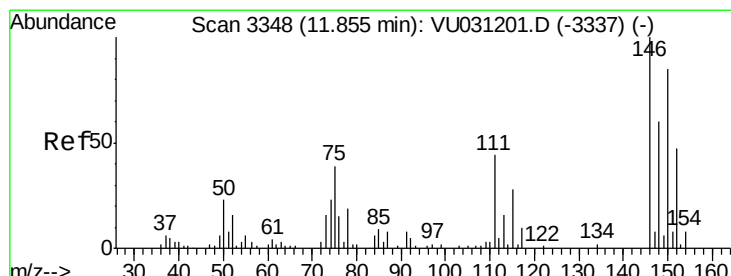
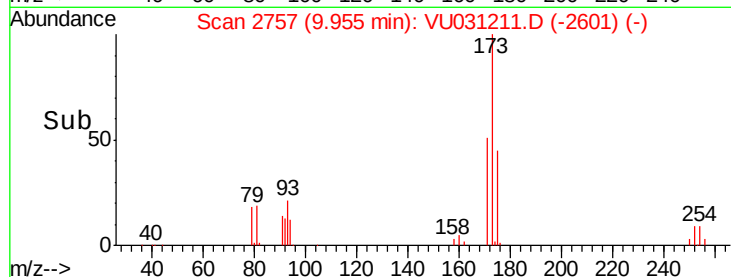
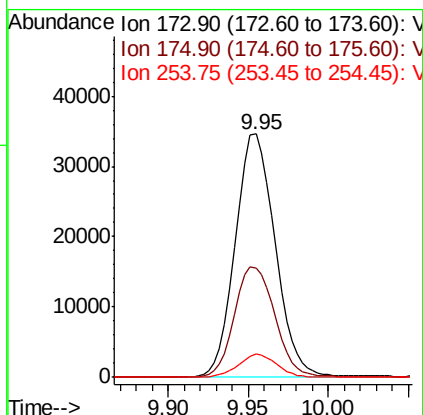
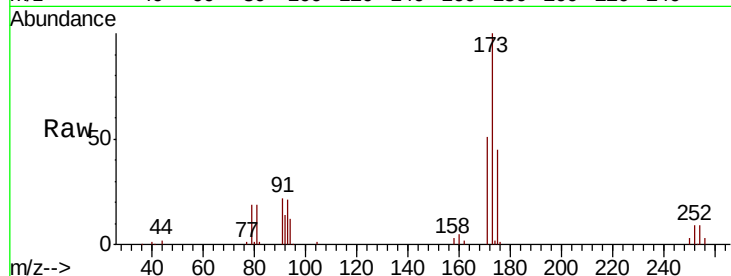




#67
Bromoform
Concen: 10.211 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

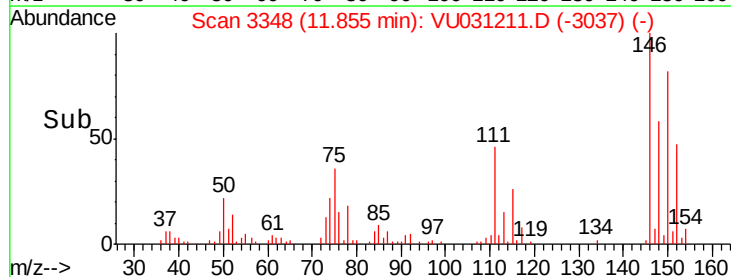
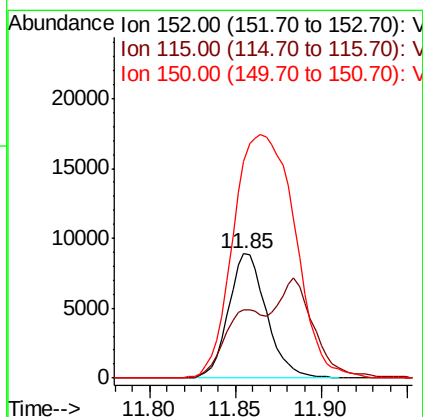
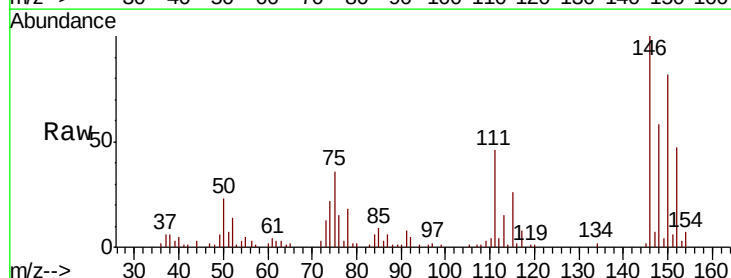
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

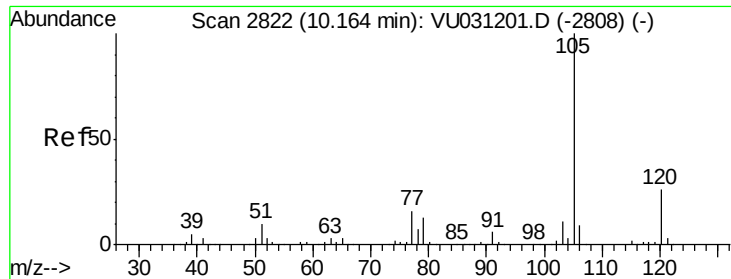
Tgt Ion:173 Resp: 58812
Ion Ratio Lower Upper
173 100
175 46.4 38.0 57.0
254 9.2 7.1 10.7



#68
1,2-Dichlorobenzene-d4
Concen: 10.211 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:152 Resp: 13683
Ion Ratio Lower Upper
152 100
115 58.4 0.0 130.0
150 317.1 0.0 639.0





#69

Isopropylbenzene

Concen: 11.479 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

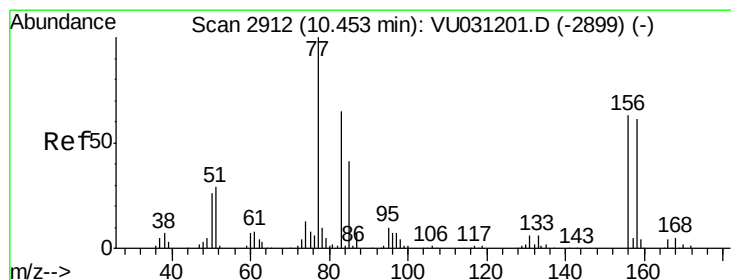
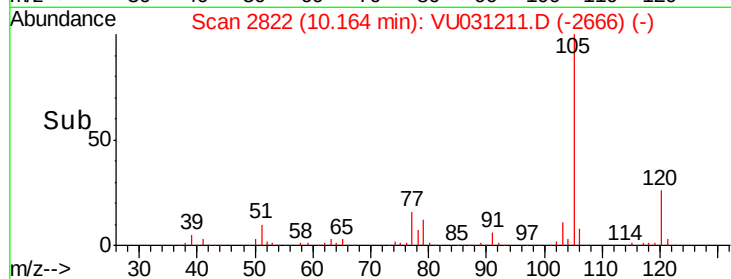
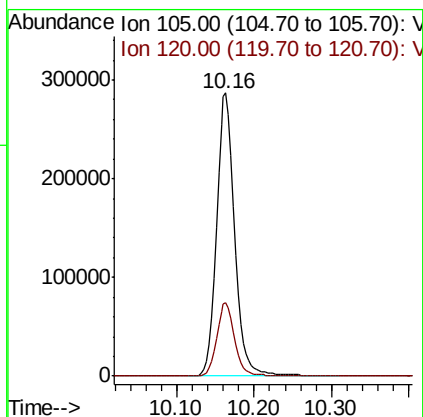
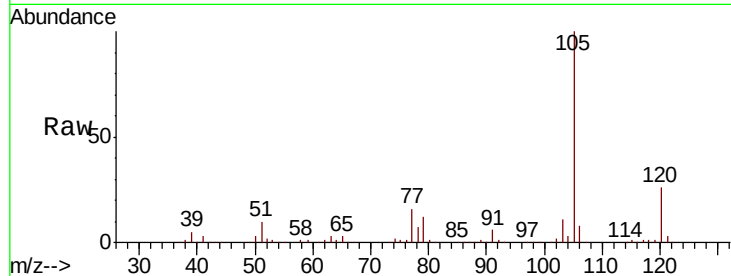
VSTDCCC010EC

Tgt Ion:105 Resp: 475056

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#70

1,1,2,2-Tetrachloroethane

Concen: 9.474 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

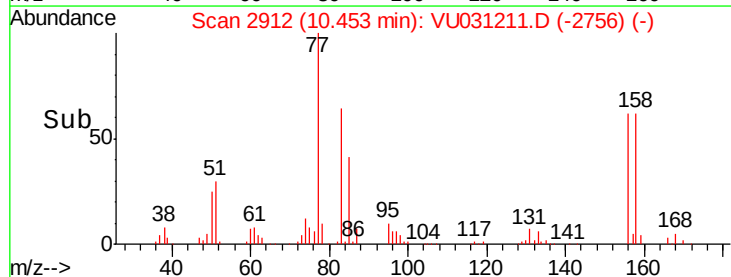
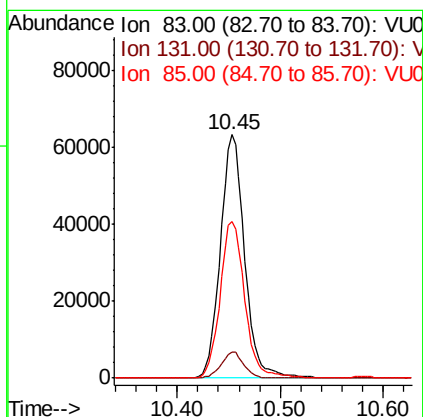
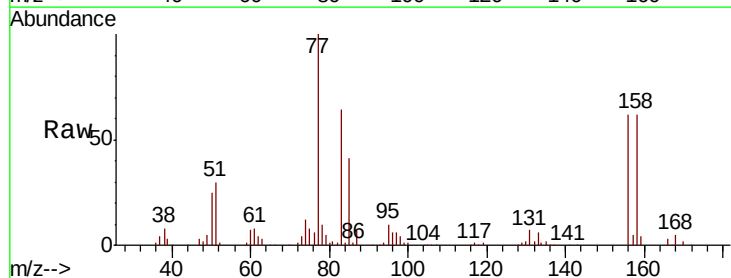
Tgt Ion: 83 Resp: 103483

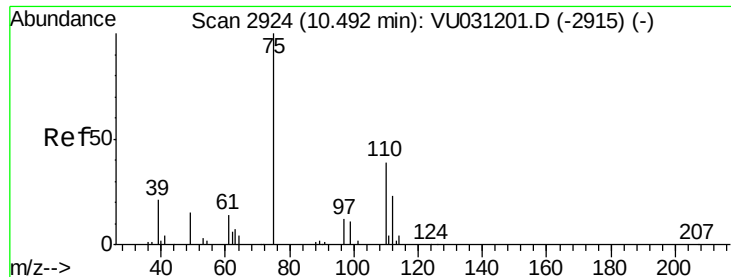
Ion Ratio Lower Upper

83 100

131 9.9 8.0 12.0

85 65.7 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 8.544 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 67476

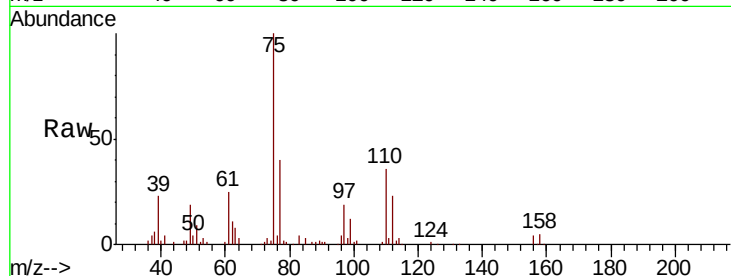
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 40.8 0.0 71.0

97 22.2 0.0 40.4

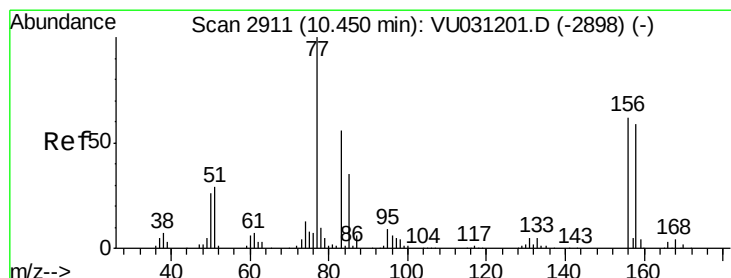
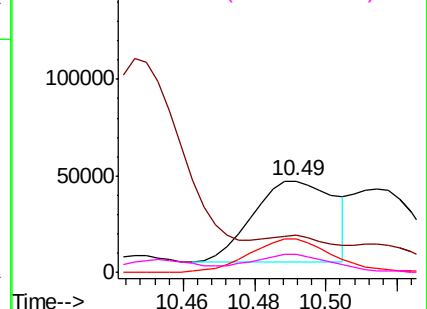
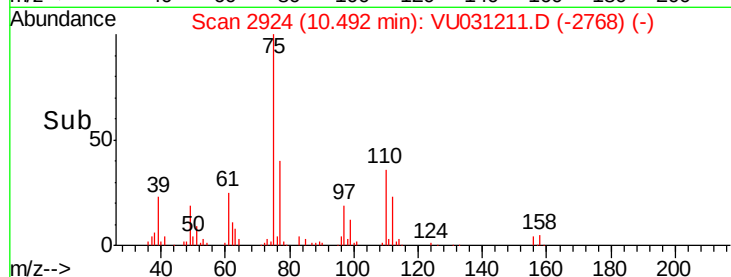


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 10.476 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

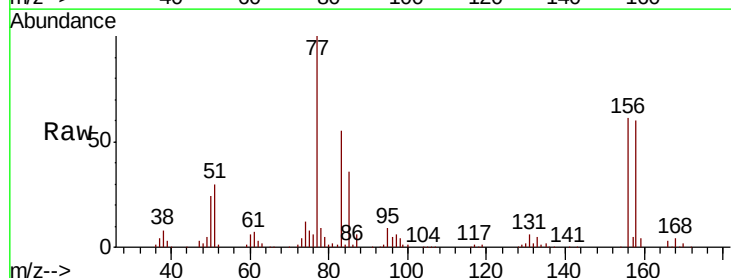
Tgt Ion: 156 Resp: 114725

Ion Ratio Lower Upper

156 100

77 164.2 0.0 322.6

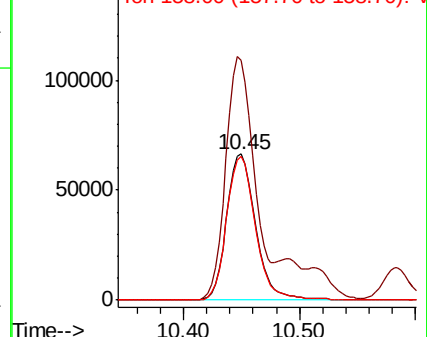
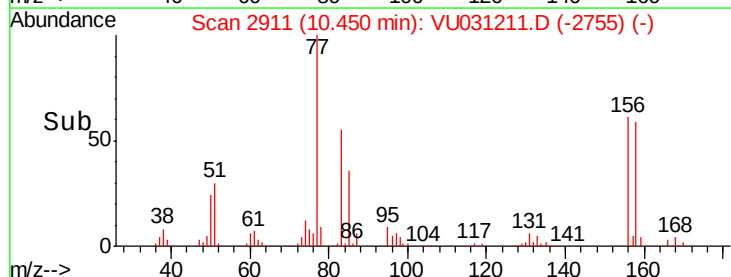
158 97.6 0.0 191.0

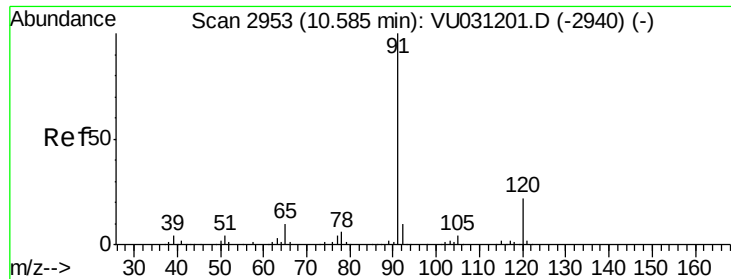


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

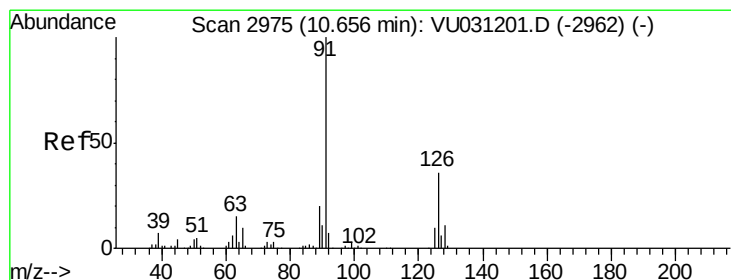
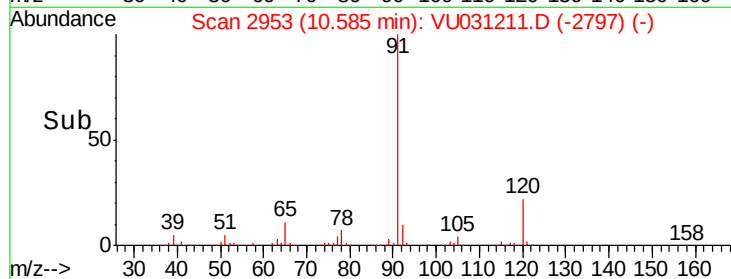
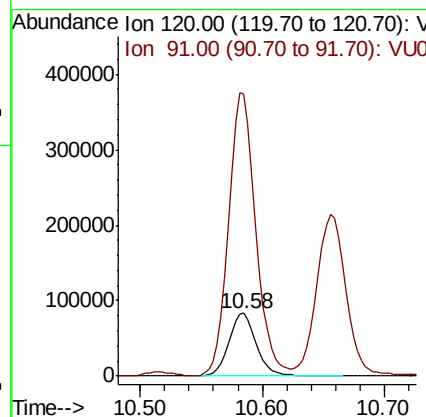
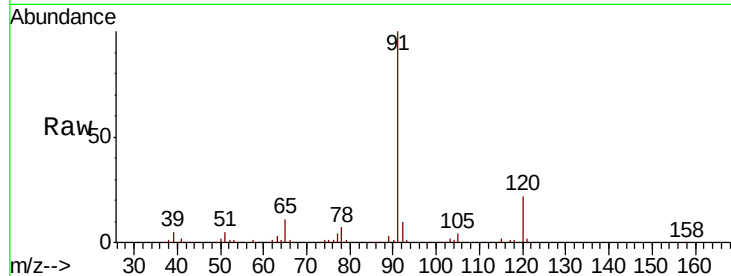




#73
n-propylbenzene
Concen: 11.960 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

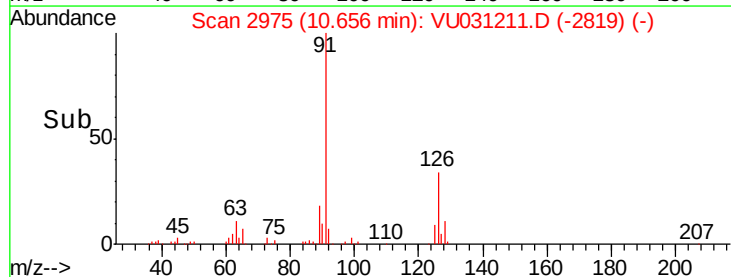
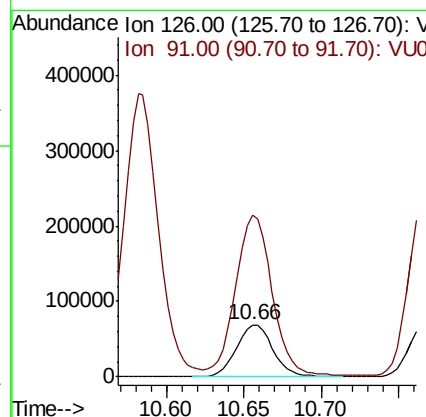
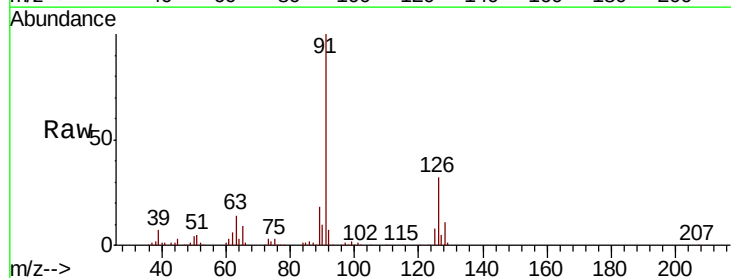
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

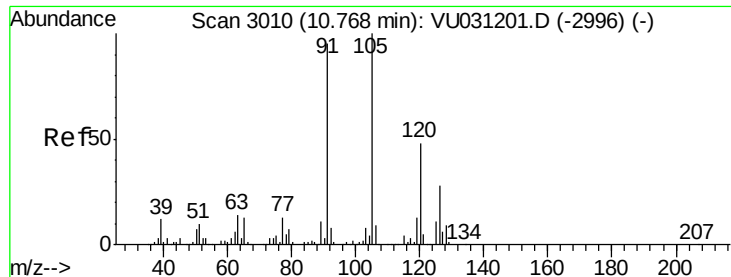
Tgt Ion:120 Resp: 132190
Ion Ratio Lower Upper
120 100
91 443.5 364.9 547.3



#74
2-Chlorotoluene
Concen: 11.117 ug/l
RT: 10.66 min Scan# 2975
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:126 Resp: 113305
Ion Ratio Lower Upper
126 100
91 312.6 0.0 612.6





#75

1,3,5-Trimethylbenzene

Concen: 11.611 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

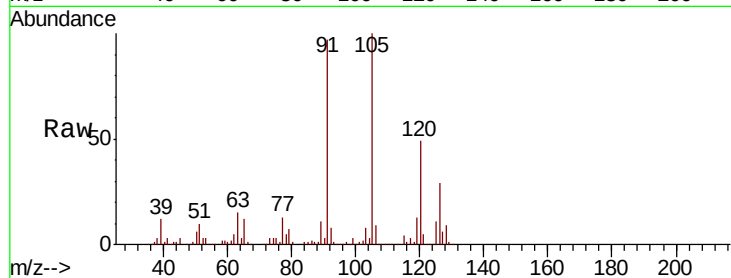
VSTDCCC010EC

Tgt Ion:105 Resp: 406746

Ion Ratio Lower Upper

105 100

120 48.6 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

250000

200000

150000

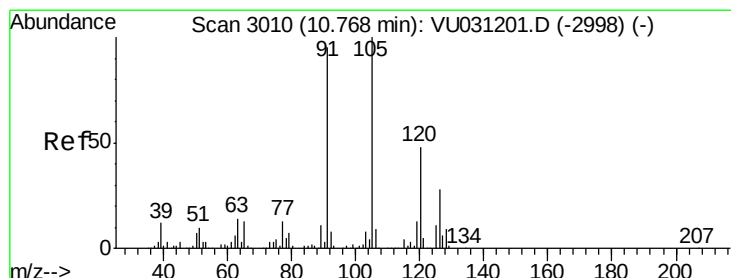
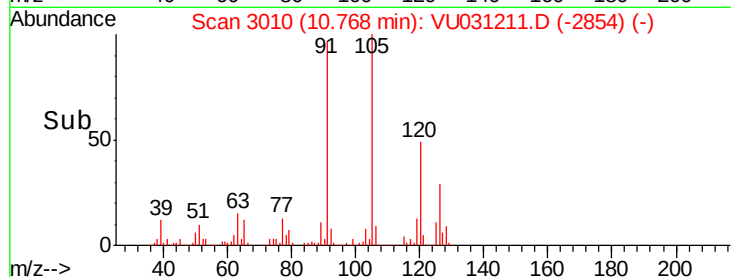
100000

50000

0

Time-->

10.70 10.80 10.90



#76

4-Chlorotoluene

Concen: 11.393 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031211.D

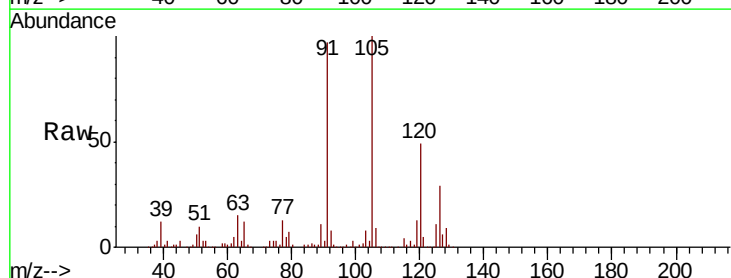
Acq: 16 Apr 2019 13:31

Tgt Ion:126 Resp: 116985

Ion Ratio Lower Upper

126 100

91 343.8 0.0 683.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

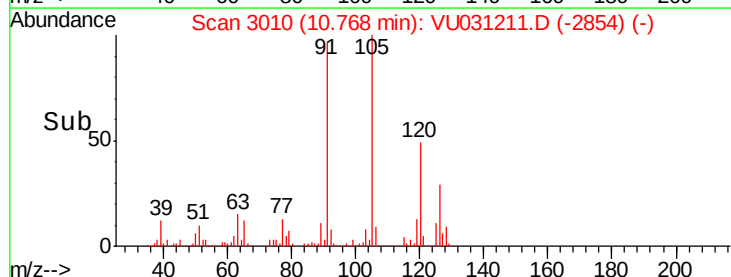
100000

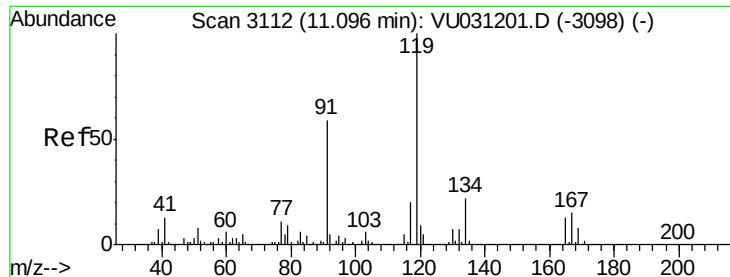
50000

0

Time-->

10.70 10.75 10.80 10.85

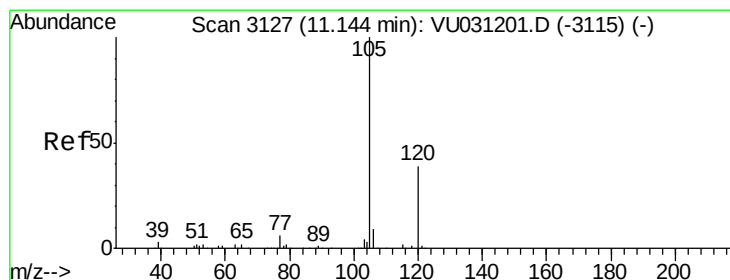
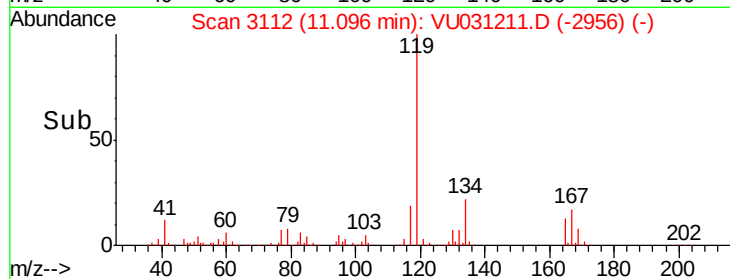
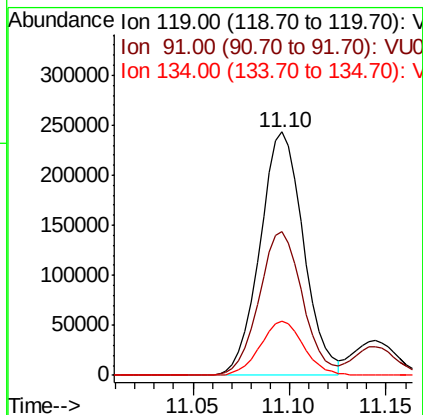
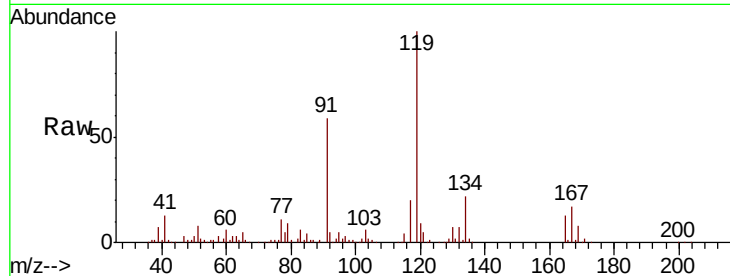




#77
 tert-Butylbenzene
 Concen: 11.131 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

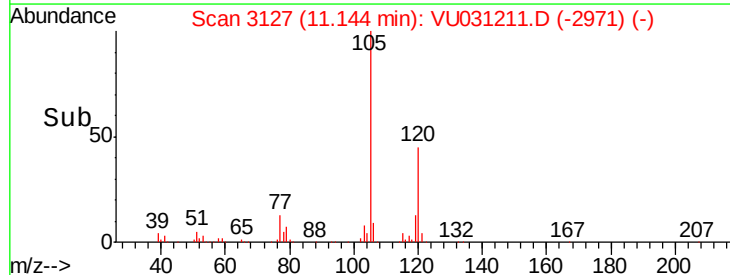
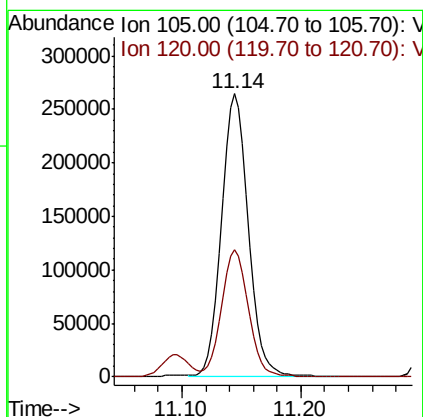
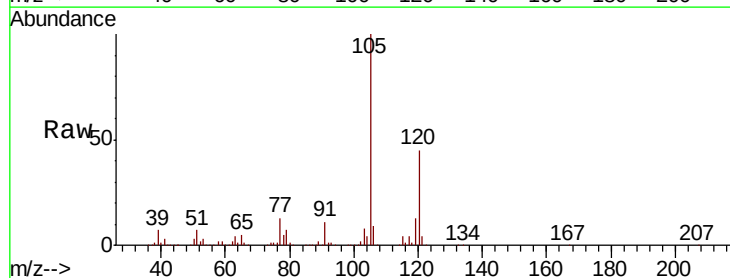
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

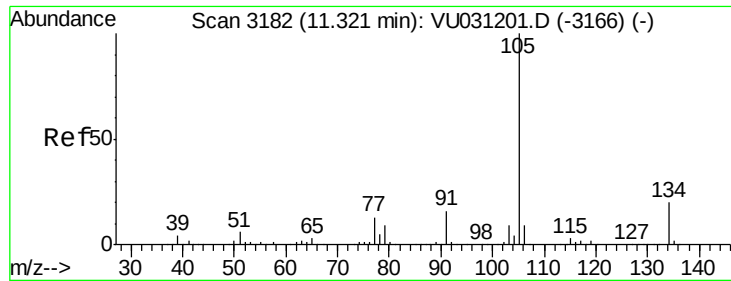
Tgt Ion:119 Resp: 381487
 Ion Ratio Lower Upper
 119 100
 91 58.8 29.4 88.3
 134 22.4 17.9 26.9



#78
 1,2,4-Trimethylbenzene
 Concen: 11.673 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion:105 Resp: 412208
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.0





#79

sec-Butylbenzene

Concen: 11.254 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

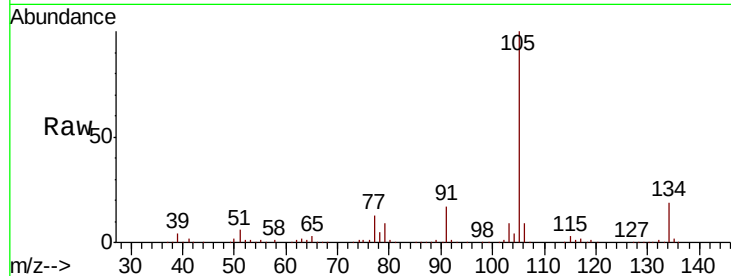
VSTDCCC010EC

Tgt Ion: 105 Resp: 518913

Ion Ratio Lower Upper

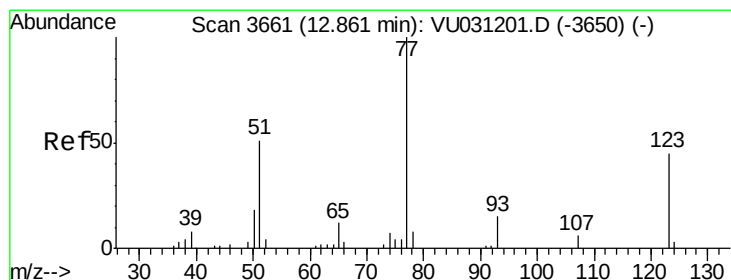
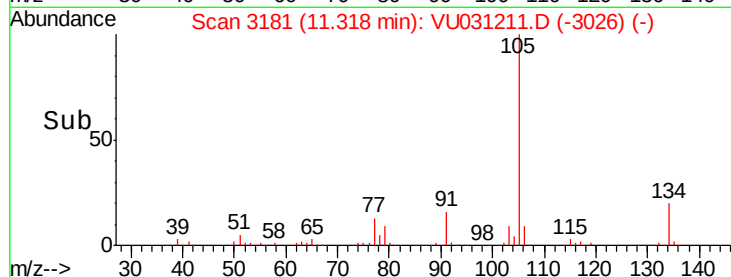
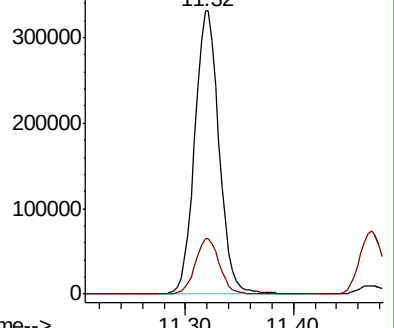
105 100

134 19.7 15.5 23.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 48.372 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU031211.D

Acq: 16 Apr 2019 13:31

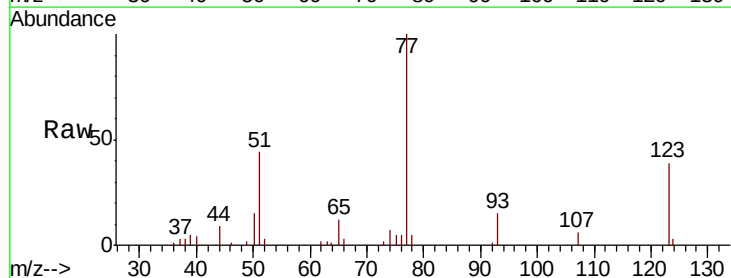
Tgt Ion: 77 Resp: 20149

Ion Ratio Lower Upper

77 100

123 40.3 17.1 60.7

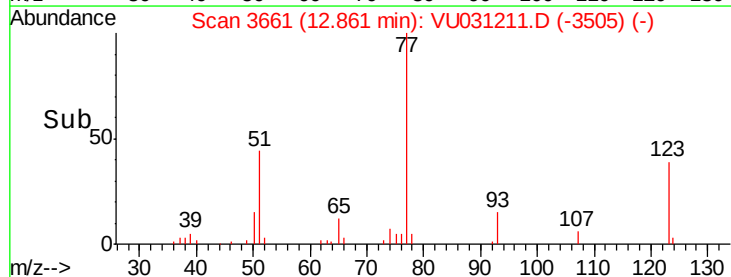
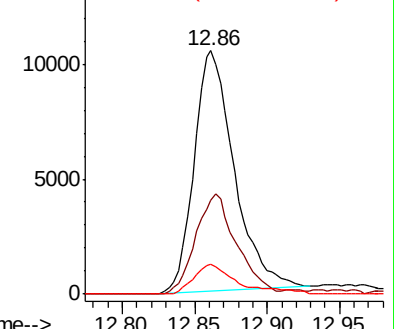
65 13.4 9.4 12.0#

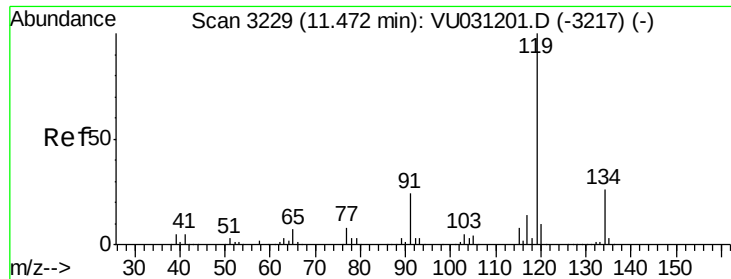


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

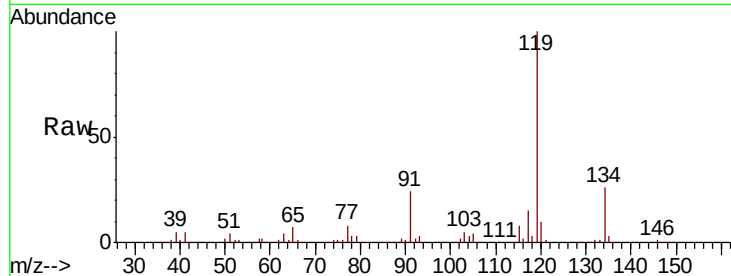




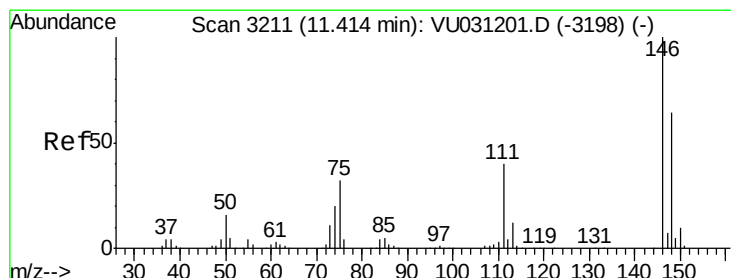
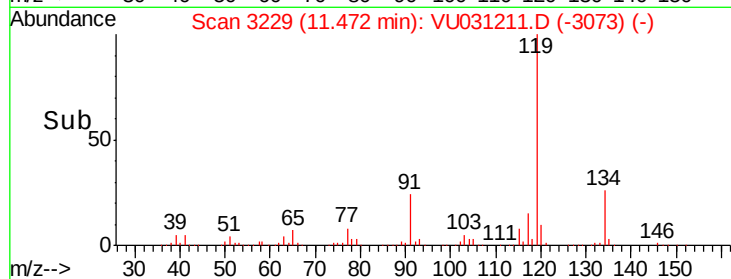
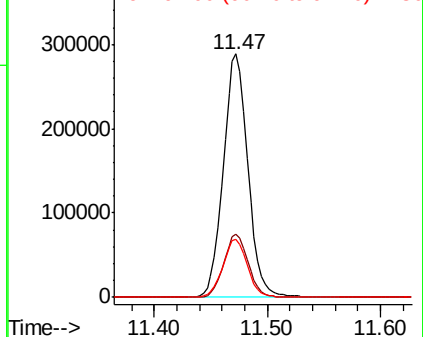
#81
 p-Isopropyltoluene
 Concen: 11.758 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:119 Resp: 435495
 Ion Ratio Lower Upper
 119 100
 134 25.9 21.0 31.4
 91 23.8 19.4 29.2

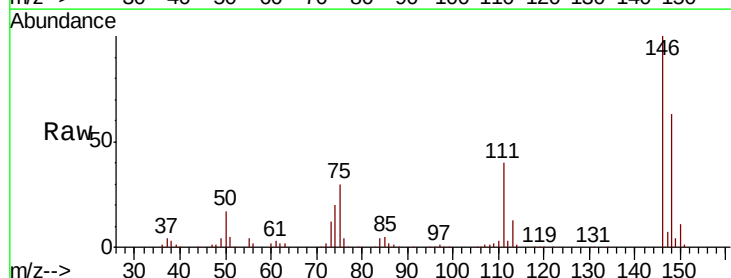


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

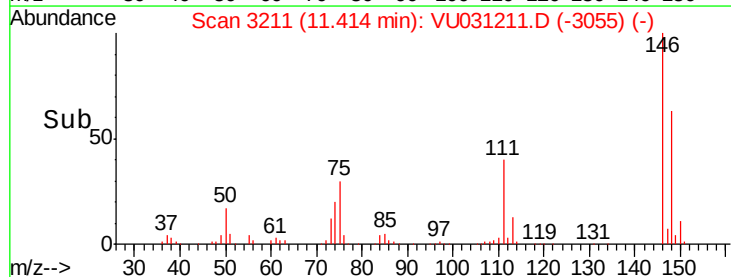
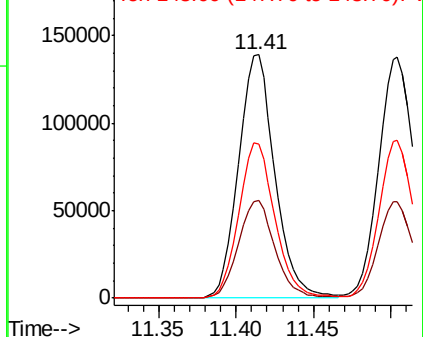


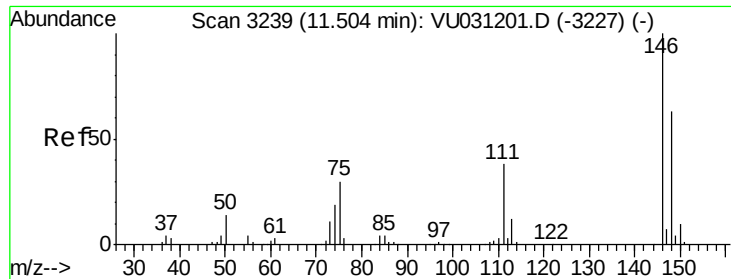
#82
 1,3-Dichlorobenzene
 Concen: 10.529 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion:146 Resp: 227739
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.4 48.6
 148 63.4 50.8 76.2



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

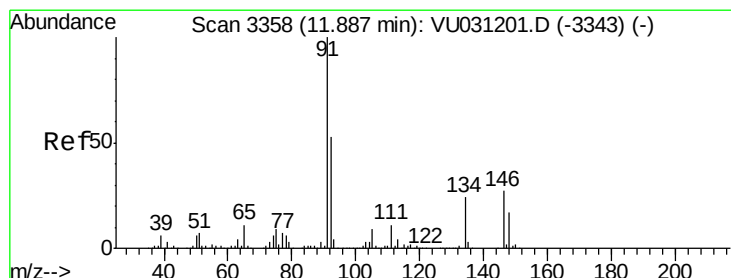
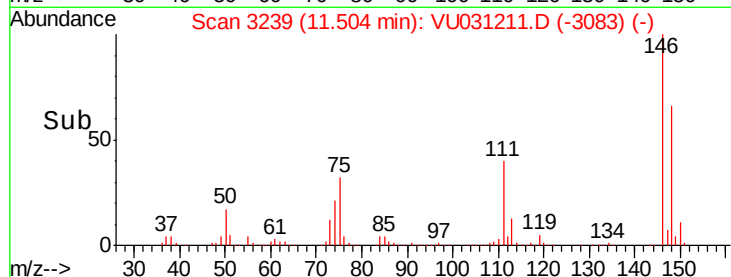
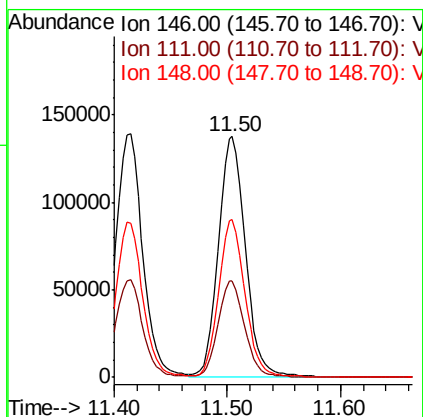
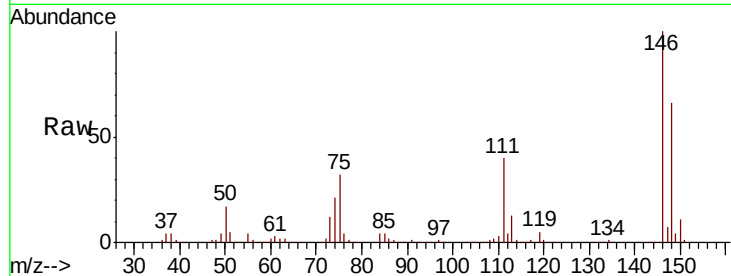




#83
 1,4-Dichlorobenzene
 Concen: 10.886 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

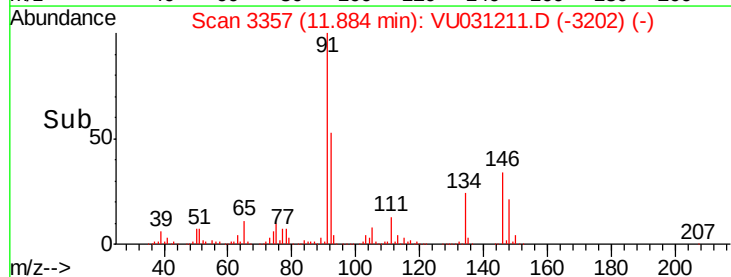
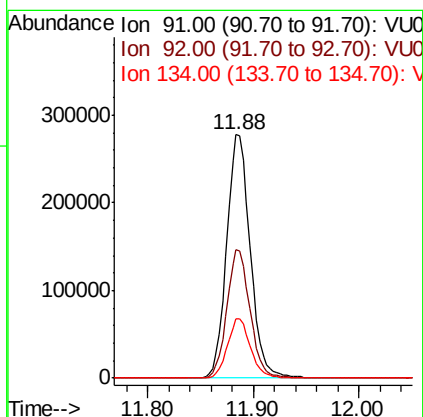
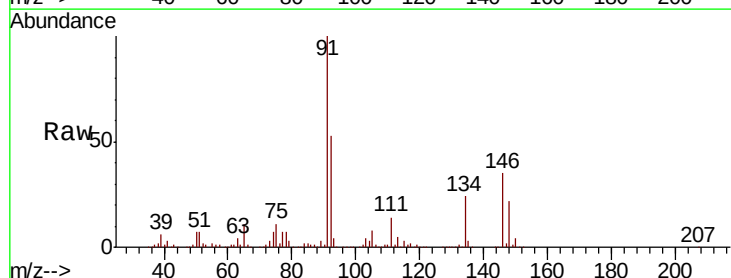
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

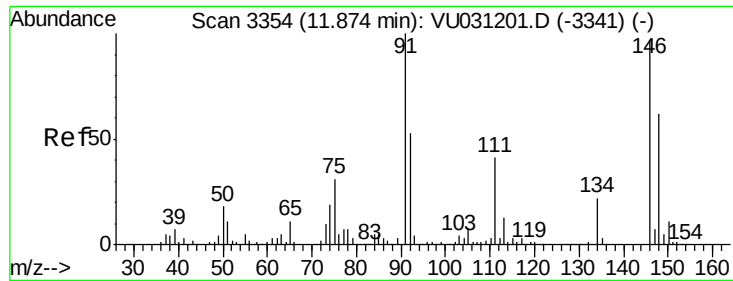
Tgt Ion: 146 Resp: 228048
 Ion Ratio Lower Upper
 146 100
 111 39.4 30.6 46.0
 148 64.3 51.1 76.7



#84
 n-Butylbenzene
 Concen: 12.000 ug/l
 RT: 11.88 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 91 Resp: 429501
 Ion Ratio Lower Upper
 91 100
 92 51.9 42.6 63.8
 134 24.1 19.1 28.7

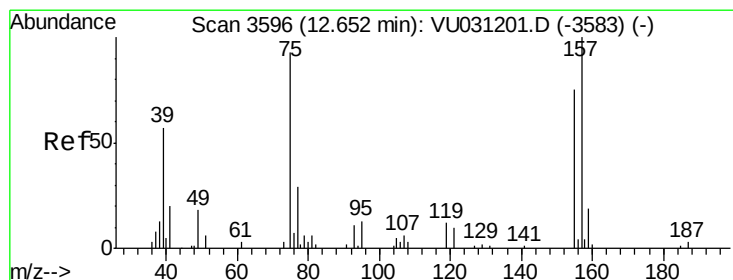
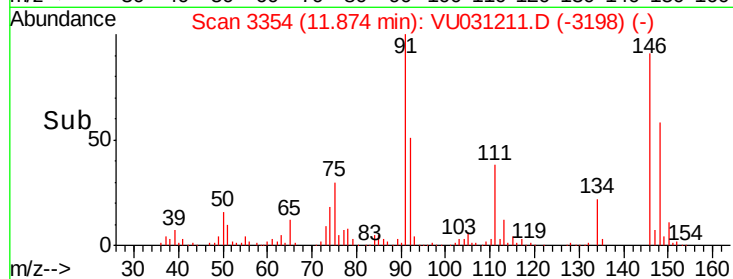
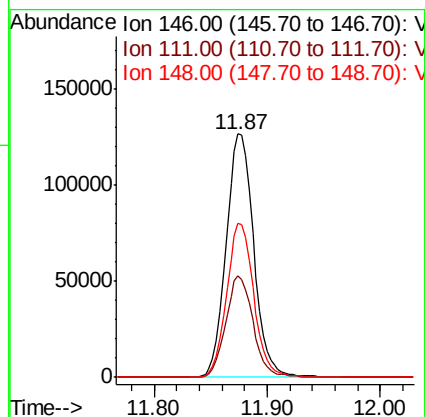
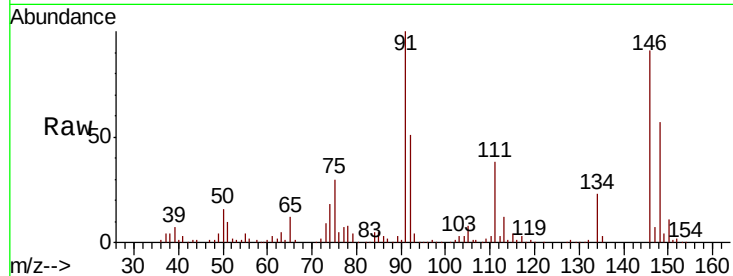




#85
 1,2-Dichlorobenzene
 Concen: 10.635 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

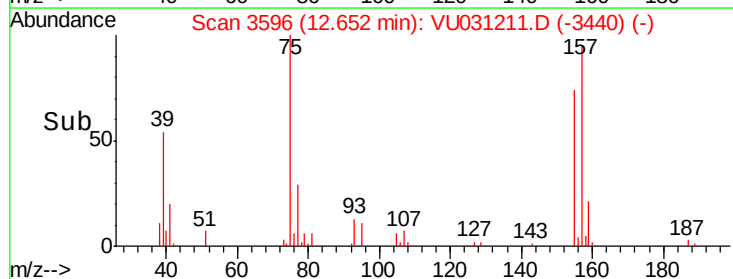
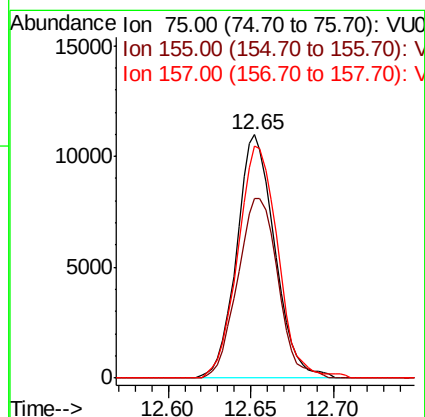
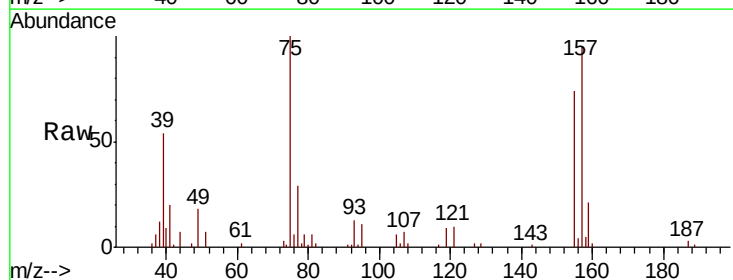
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

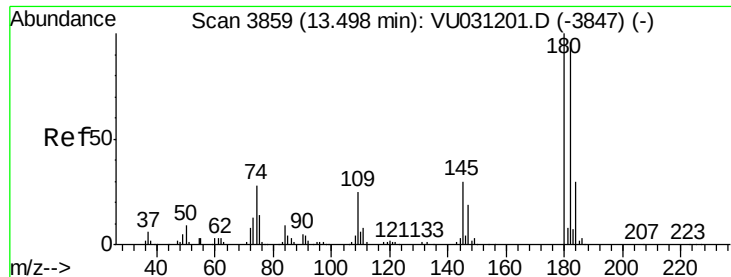
Tgt Ion: 146 Resp: 215695
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.5
 148 62.2 31.4 94.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.174 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion: 75 Resp: 17566
 Ion Ratio Lower Upper
 75 100
 155 78.1 61.7 92.5
 157 100.1 81.3 121.9

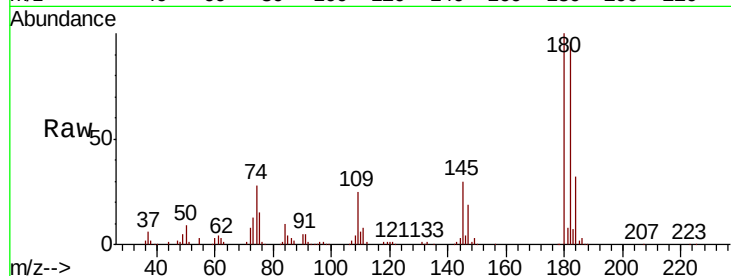




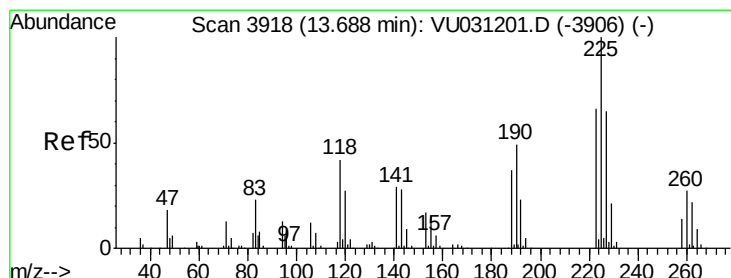
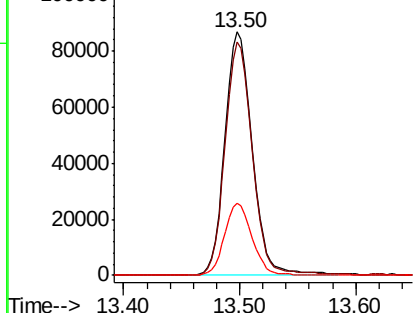
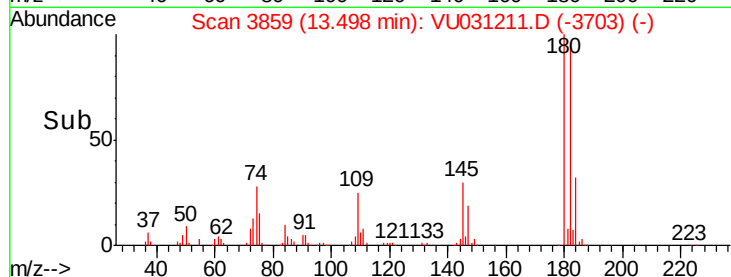
#87
 1,2,4-Trichlorobenzene
 Concen: 11.414 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 141490
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.6
 145 29.8 23.4 35.2

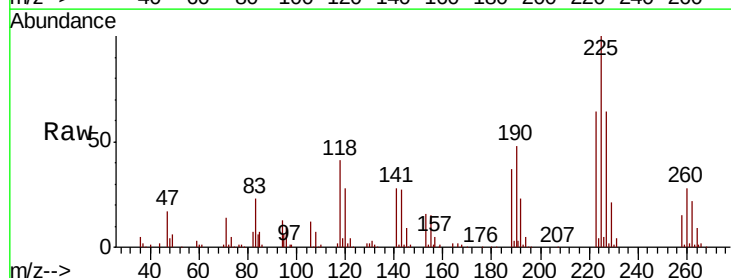


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

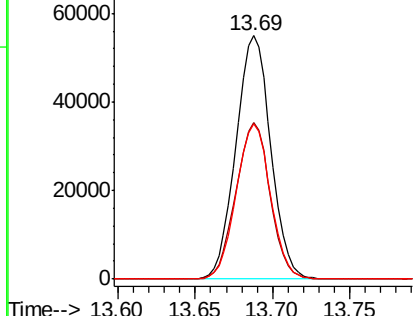
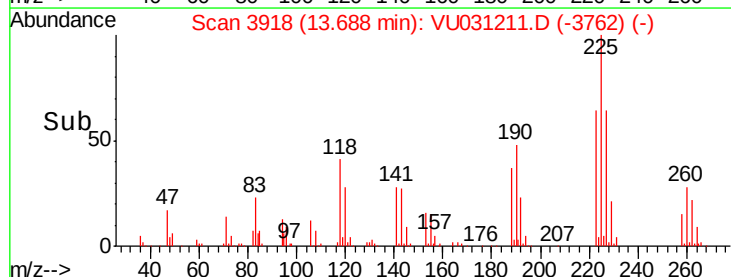


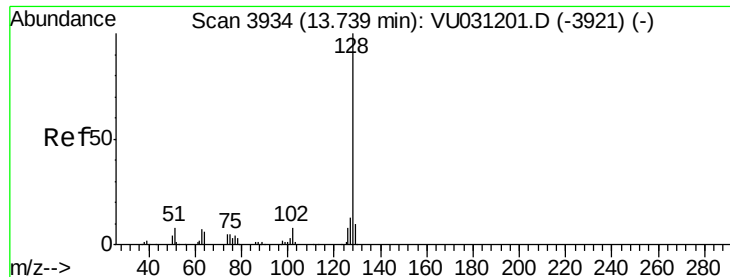
#88
 Hexachlorobutadiene
 Concen: 10.394 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031211.D
 Acq: 16 Apr 2019 13:31

Tgt Ion:225 Resp: 86071
 Ion Ratio Lower Upper
 225 100
 223 63.0 51.4 77.2
 227 62.4 51.2 76.8



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

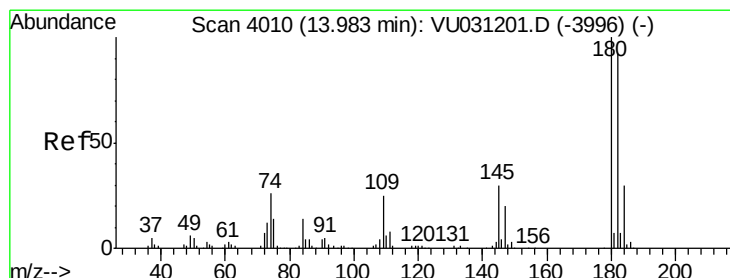
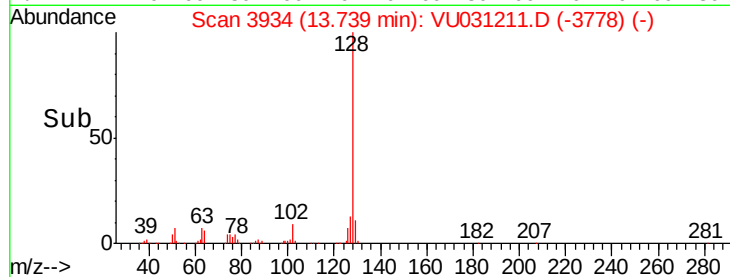
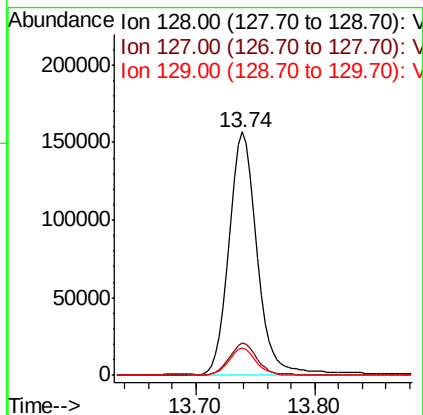
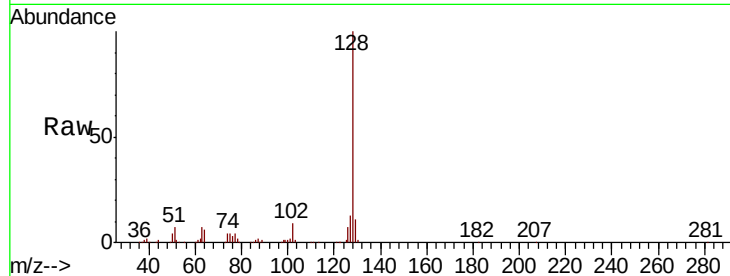




#89
Naphthalene
Concen: 9.406 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 258300
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 10.4 8.3 12.5



#90
1,2,3-Trichlorobenzene
Concen: 11.221 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031211.D
Acq: 16 Apr 2019 13:31

Tgt Ion:180 Resp: 139266
Ion Ratio Lower Upper
180 100
182 94.6 76.4 114.6
145 30.8 25.3 37.9

