

Data File : VU023532.D

Acq On : 30 Apr 2018 17:17

Operator : MD/SY

Sample : VSTDIC020

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Quant Time: May 01 04:35:47 2018

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53373	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17538	0.91	ug/l	0.00
Spiked Amount	1.000		Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17415	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	340924	20.19	ug/l	99
3) Chloromethane	1.33	50	368997	17.28	ug/l	100
4) Vinyl Chloride	1.40	62	379059	19.55	ug/l	98
5) Bromomethane	1.64	94	199820	15.78	ug/l	100
6) Chloroethane	1.70	64	201414	18.10	ug/l	99
7) Trichlorofluoromethane	1.89	101	430919	19.63	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	267629	20.47	ug/l	99
9) 1,1-Dichloroethene	2.29	96	249475	19.05	ug/l	99
10) Iodomethane	2.42	142	327490	22.31	ug/l	99
11) Allyl Chloride	2.60	41	460789	22.03	ug/l	99
12) Acrylonitrile	2.95	53	98407	33.11	ug/l	93
13) Acetone	2.34	43	193484	81.80	ug/l	97
14) Carbon Disulfide	2.48	76	826240	20.07	ug/l	100
15) Methylene Chloride	2.71	84	259678	16.37	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	266285	18.78	ug/l	99
17) 1,1-Dichloroethane	3.45	63	527189	19.91	ug/l	99
18) 2-Butanone	4.30	43	355378	98.26	ug/l	100
19) Cyclohexane	4.99	56	464352	24.31	ug/l	100
20) Methylcyclohexane	6.41	83	525316	23.76	ug/l	99
21) 2,2-Dichloropropane	4.23	77	417808	21.56	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	290703	18.44	ug/l	100
23) Diethyl Ether	2.11	59	207425	19.40	ug/l	100
24) tert-Butyl Alcohol	2.87	59	162146	155.67	ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	636715	19.19	ug/l	99
26) Bromochloromethane	4.55	128	112098	16.21	ug/l	98
27) Chloroform	4.68	83	493611	18.70	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	416105	20.50	ug/l	100
29) 1,1-Dichloropropene	5.13	75	406812	20.33	ug/l	100
30) Carbon Tetrachloride	5.13	117	360481	21.19	ug/l	99
31) Isopropyl Ether	3.58	45	904201	22.38	ug/l	100
32) Ethyl-t-butyl ether	4.09	59	781323	21.43	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	684457	21.68	ug/l	99
34) Propionitrile	4.36	54	100960	92.26	ug/l #	95
35) Benzene	5.39	78	1245421	20.57	ug/l	100
36) 1,2-Dichloroethane	5.41	62	340491	21.21	ug/l	100
37) Trichloroethene	6.19	130	323206	20.03	ug/l	98
38) 1,2-Dichloropropane	6.44	63	333606	21.66	ug/l	97
39) Methacrylonitrile	4.56	41	98957	21.81	ug/l	97
40) Methyl acrylate	4.44	55	150830	21.97	ug/l	99
41) Tetrahydrofuran	4.67	42	97600	38.54	ug/l	99
42) 1-Chlorobutane	5.07	56	590620	21.95	ug/l	100

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

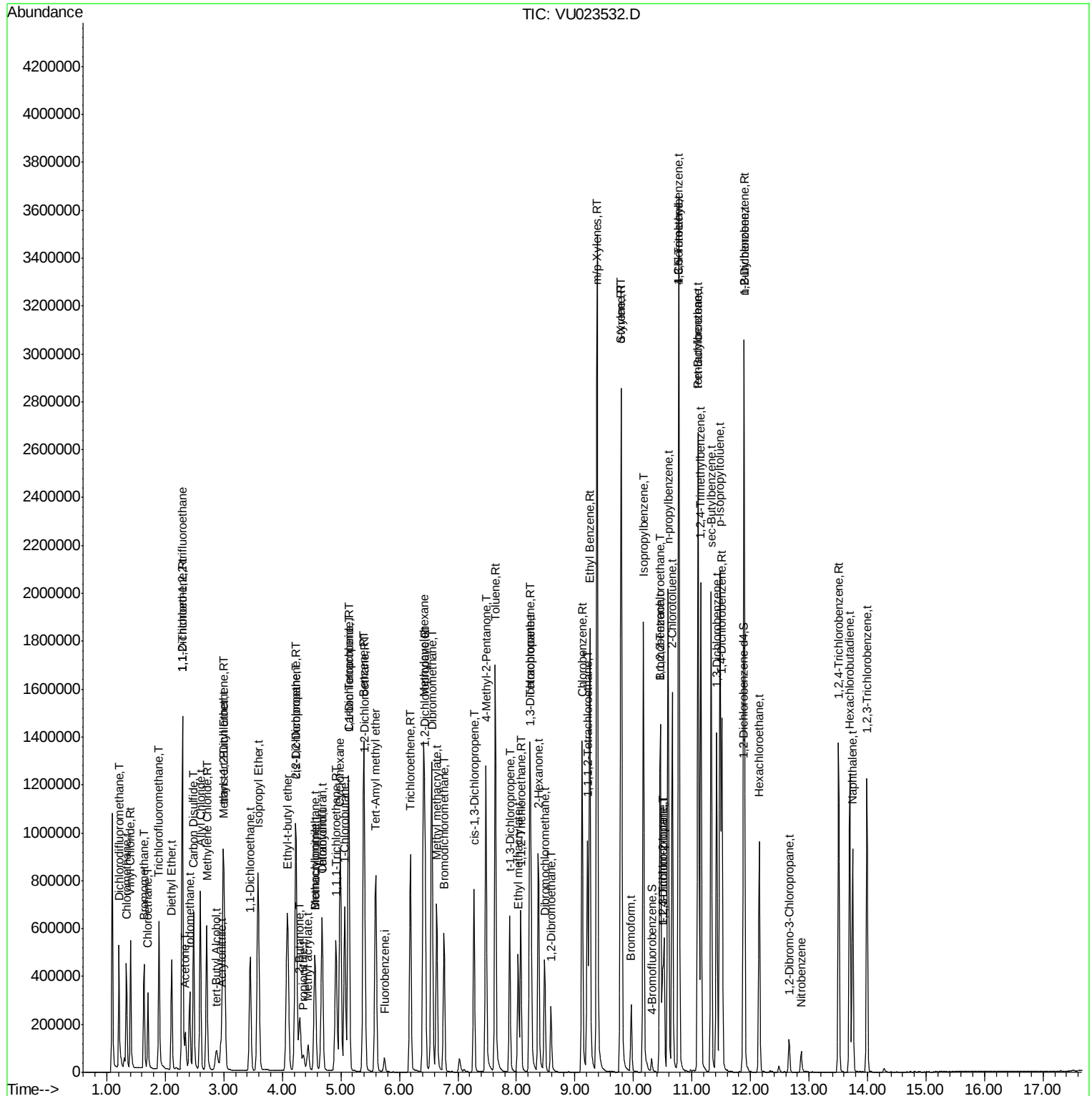
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	143197	19.64	ug/l	99
44) Bromodichloromethane	6.76	83	371777	21.80	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	921413	109.72	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	147000	56.13	ug/l #	75
47) Methyl methacrylate	6.64	69	285899	41.32	ug/l	98
48) Ethyl methacrylate	8.03	69	265761	21.58	ug/l	99
49) Toluene	7.64	92	741836	20.95	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	347885	23.72	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	440885	23.34	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	204107	19.22	ug/l	99
53) 1,3-Dichloropropane	8.25	76	372195	20.37	ug/l	100
54) 2-Hexanone	8.37	43	639185	111.60	ug/l	98
55) Dibromochloromethane	8.48	129	239065	21.88	ug/l	100
56) 1,2-Dibromoethane	8.59	107	181863	19.46	ug/l	99
58) Tetrachloroethene	8.23	164	304459	21.20	ug/l	98
59) Chlorobenzene	9.12	112	772790	19.89	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	261972	20.00	ug/l	99
61) Pentachloroethane	11.10	117	175427	18.50	ug/l	99
62) Hexachloroethane	12.15	117	177547	20.81	ug/l	100
63) Ethyl Benzene	9.25	91	1372703	21.42	ug/l	100
64) m/p-Xylenes	9.38	106	1045904	42.19	ug/l	99
65) o-Xylene	9.78	106	503108	20.58	ug/l	100
66) Styrene	9.80	104	845305	20.94	ug/l	100
67) Bromoform	9.96	173	125322	21.07	ug/l	99
69) Isopropylbenzene	10.17	105	1288516	21.12	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	232280	18.25	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	147000	15.65	ug/l #	96
72) Bromobenzene	10.46	156	305163	18.60	ug/l	97
73) n-propylbenzene	10.59	120	361698	21.11	ug/l	98
74) 2-Chlorotoluene	10.66	126	301899	19.46	ug/l	99
75) 1,3,5-Trimethylbenzene	10.78	105	1087866	20.76	ug/l	100
76) 4-Chlorotoluene	10.78	126	317383	19.78	ug/l	98
77) tert-Butylbenzene	11.10	119	1004656	20.26	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	1104075	20.60	ug/l	99
79) sec-Butylbenzene	11.33	105	1409492	21.01	ug/l	100
80) Nitrobenzene	12.87	77	49130	170.40	ug/l	98
81) p-Isopropyltoluene	11.48	119	1185989	21.16	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	592202	18.55	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	594250	18.46	ug/l	99
84) n-Butylbenzene	11.89	91	1173472	22.06	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	542235	18.22	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	32876	19.25	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	428085	20.44	ug/l	99
88) Hexachlorobutadiene	13.70	225	243161	21.10	ug/l	99
89) Naphthalene	13.74	128	720986	21.79	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	393499	19.83	ug/l	99

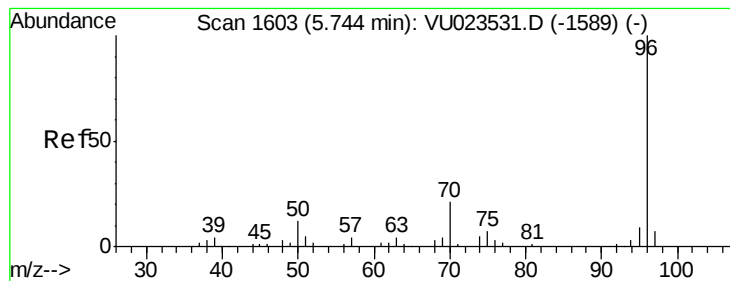
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 7 Sample Multiplier: 1

VSTDICC020

Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

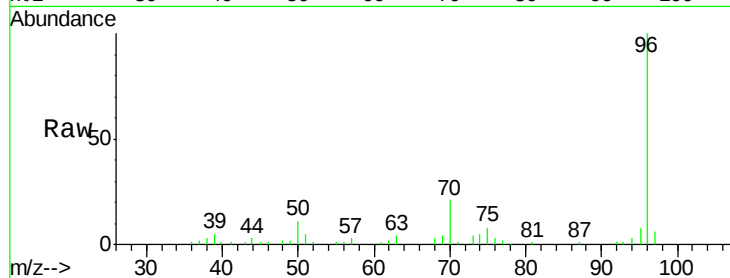
ClientSampleId :

VSTDIC020

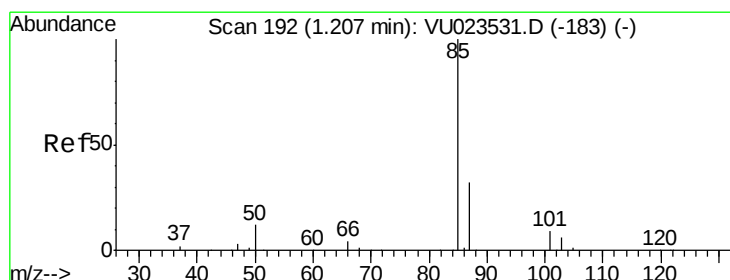
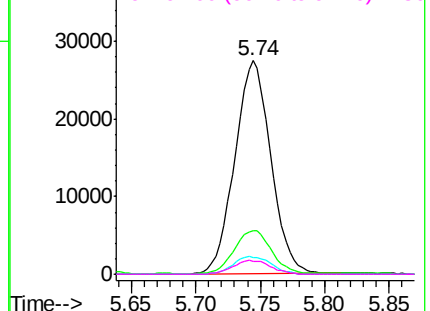
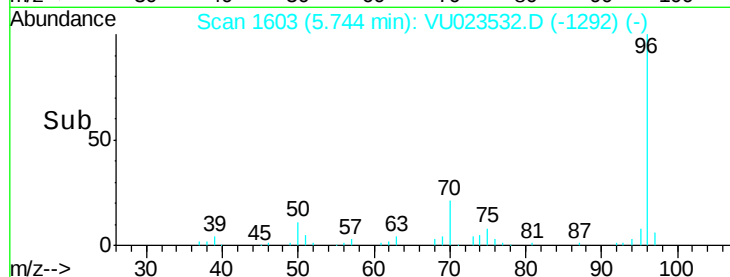
Tgt Ion: 96 Resp: 53373

Ion Ratio Lower Upper

96	100		
70	21.0	16.2	24.4
95	0.0	6.9	10.3#
97	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU023532.D (-1292) (-)



#2

Dichlorodifluoromethane

Concen: 20.19 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

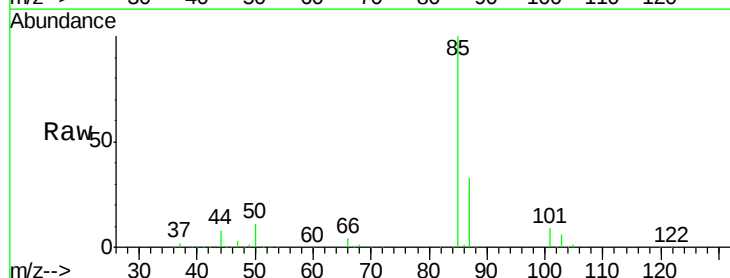
Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

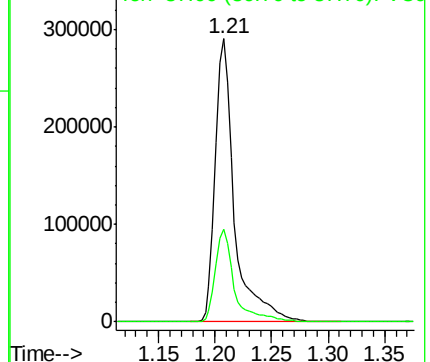
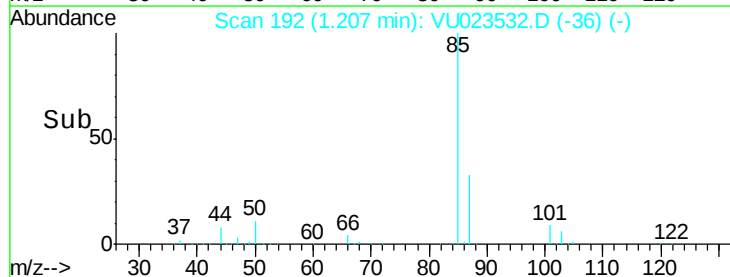
Tgt Ion: 85 Resp: 340924

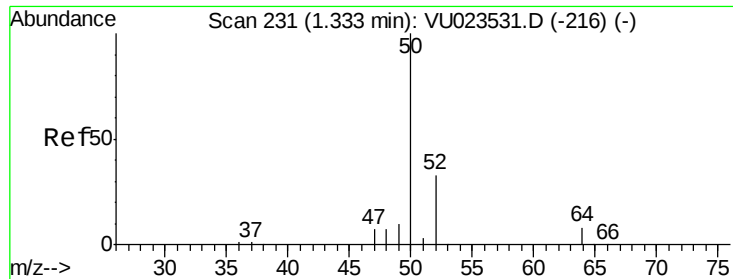
Ion Ratio Lower Upper

85	100		
87	32.6	16.2	48.5



Abundance Ion 85.00 (84.70 to 85.70): VU023532.D (-36) (-)





#3

Chloromethane

Concen: 17.28 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

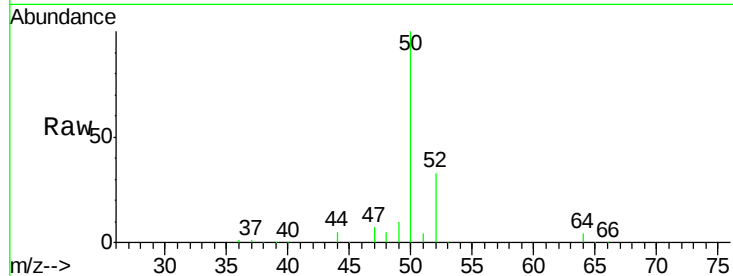
VSTDIC020

Tgt Ion: 50 Resp: 368997

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

250000

200000

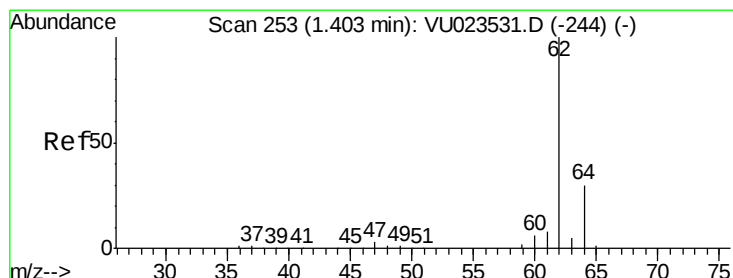
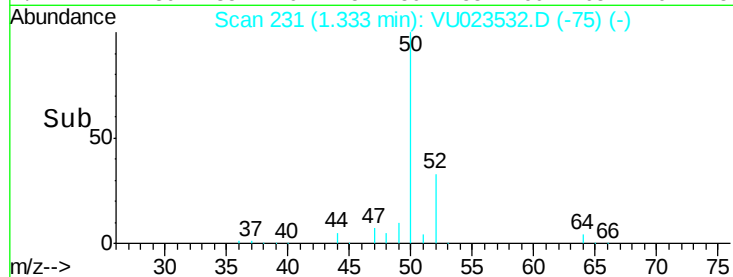
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.55 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023532.D

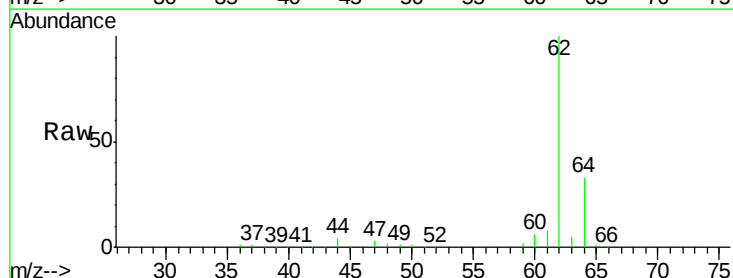
Acq: 30 Apr 2018 17:17

Tgt Ion: 62 Resp: 379059

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

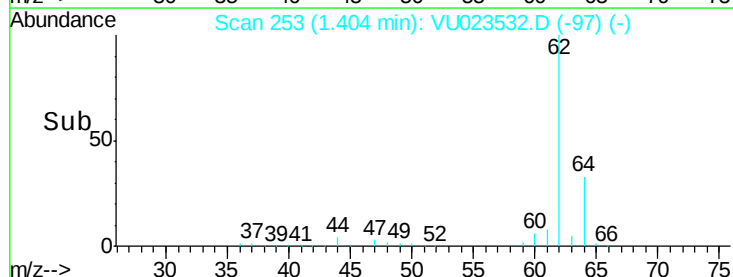
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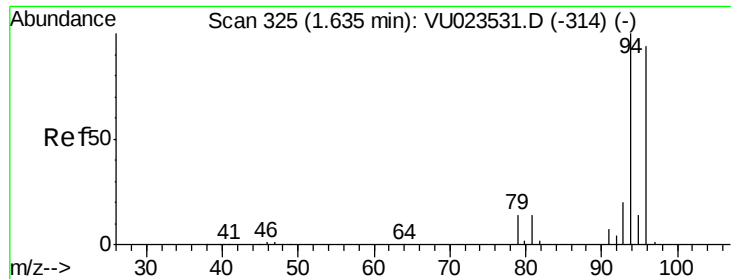
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Time-->

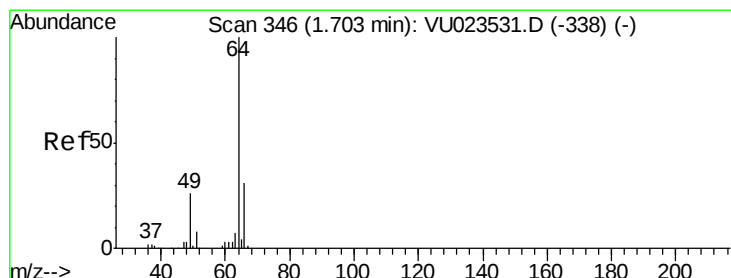
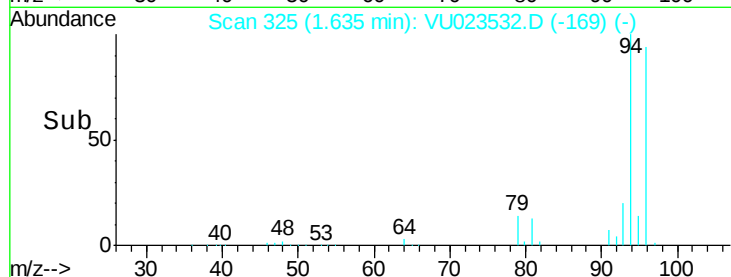
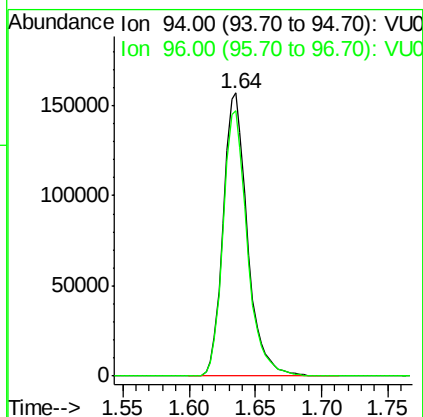
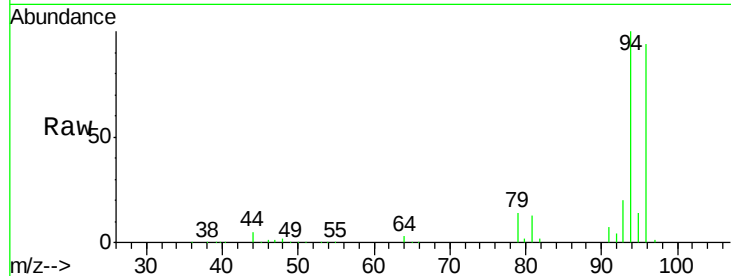




#5
Bromomethane
Concen: 15.78 ug/l
RT: 1.64 min Scan# 325
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

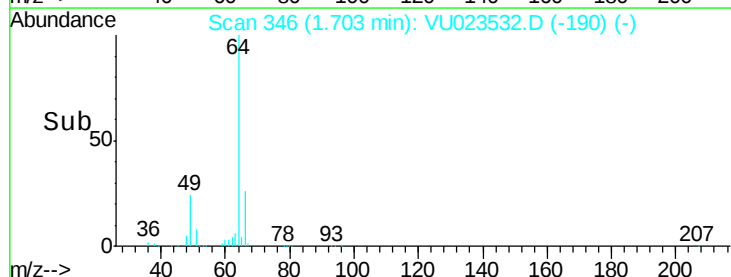
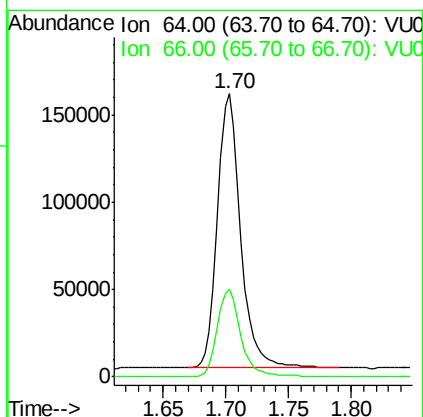
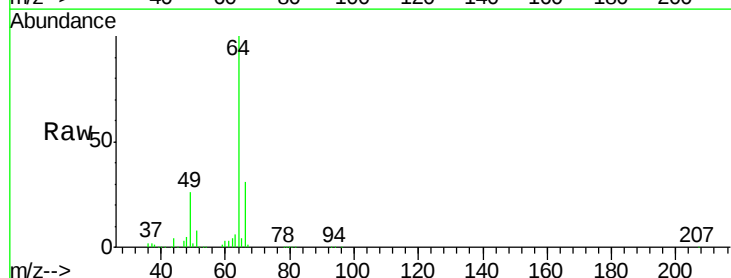
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

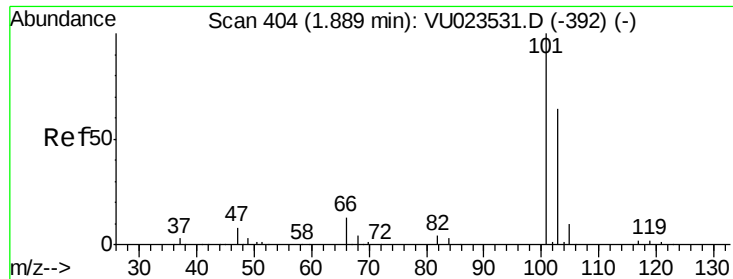
Tgt Ion: 94 Resp: 199820
Ion Ratio Lower Upper
94 100
96 94.0 75.1 112.7



#6
Chloroethane
Concen: 18.10 ug/l
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 64 Resp: 201414
Ion Ratio Lower Upper
64 100
66 31.7 24.9 37.3



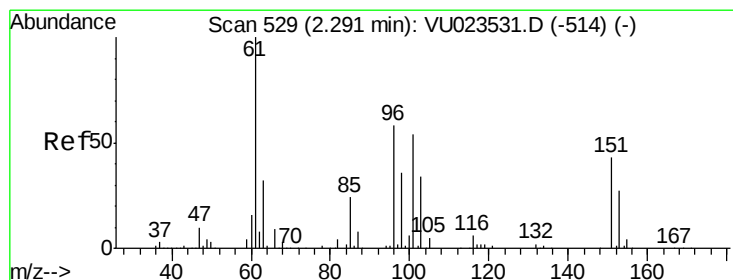
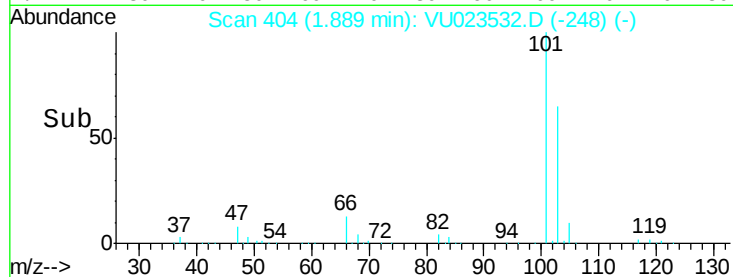
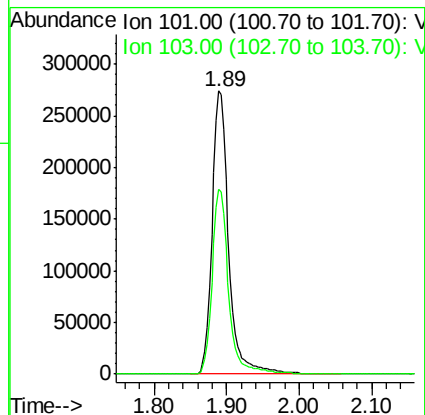
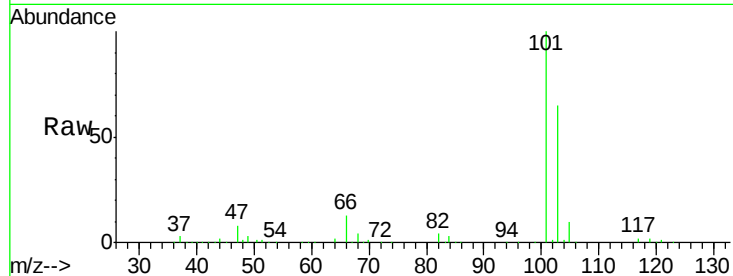


#7

Trichlorofluoromethane
 Concen: 19.63 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

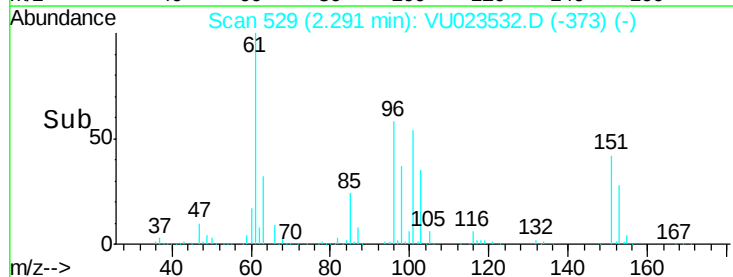
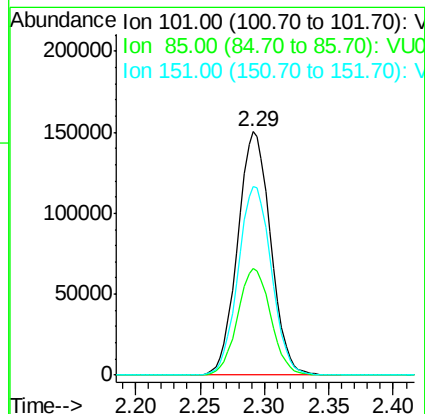
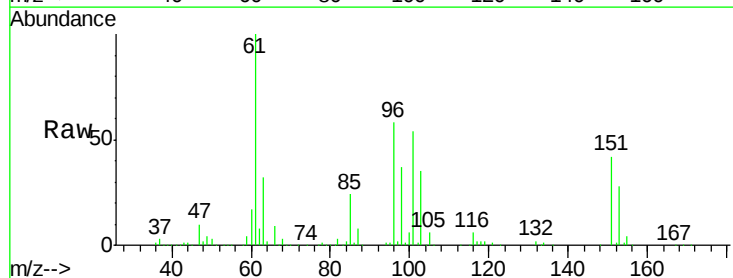
Tgt Ion:101 Resp: 430919
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.0

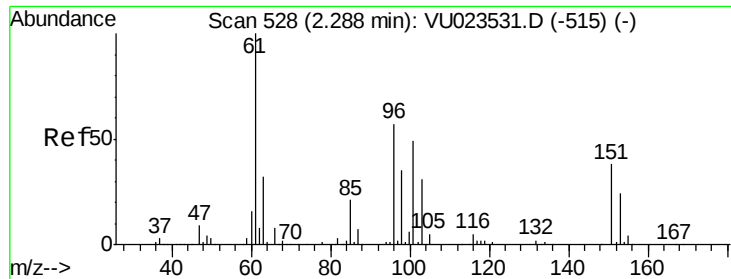


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.47 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion:101 Resp: 267629
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.2 52.8
 151 78.6 63.5 95.3





#9

1,1-Dichloroethene

Concen: 19.05 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

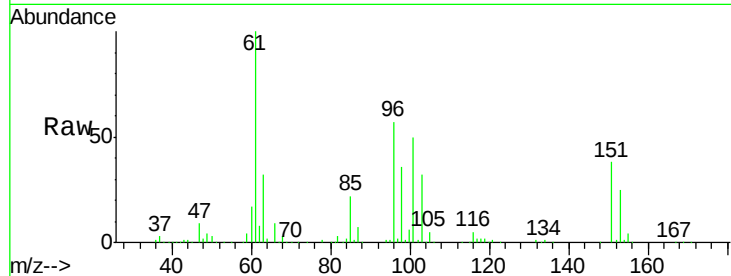
Tgt Ion: 96 Resp: 249475

Ion Ratio Lower Upper

96 100

61 174.5 0.0 526.5

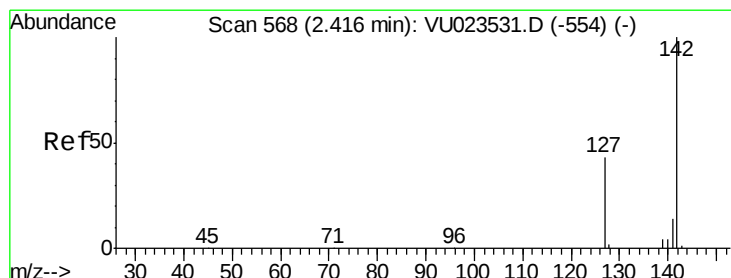
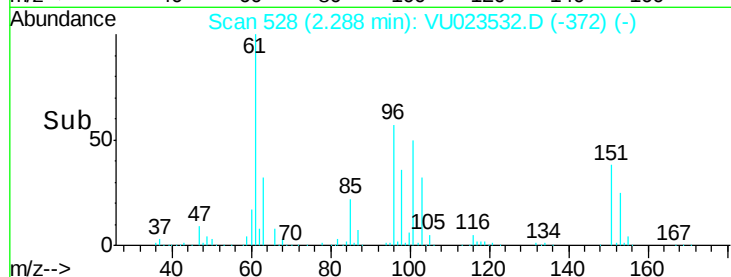
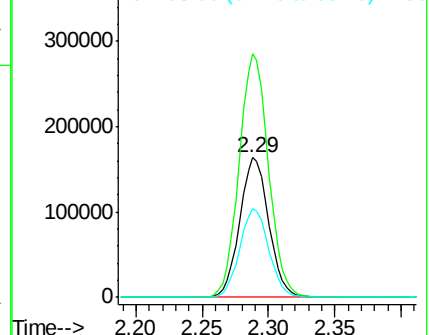
98 63.5 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 22.31 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU023532.D

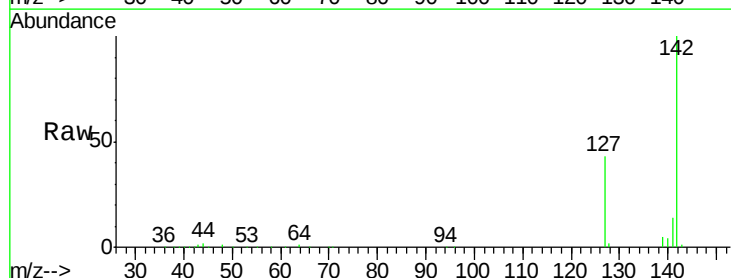
Acq: 30 Apr 2018 17:17

Tgt Ion: 142 Resp: 327490

Ion Ratio Lower Upper

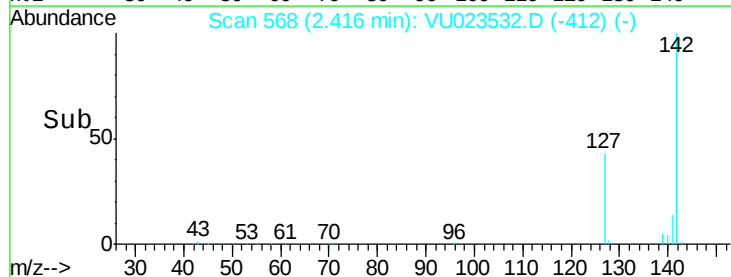
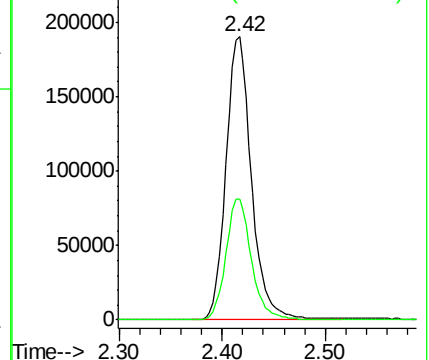
142 100

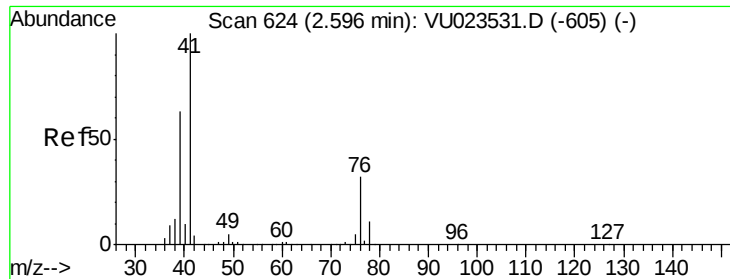
127 42.7 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

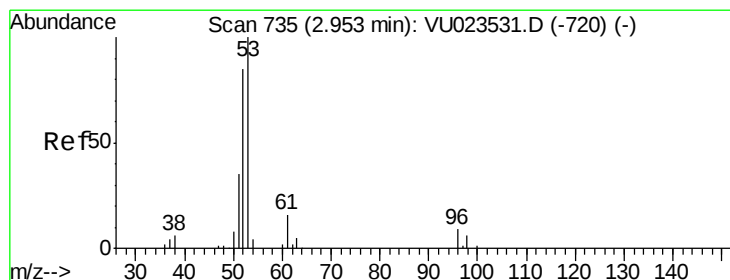
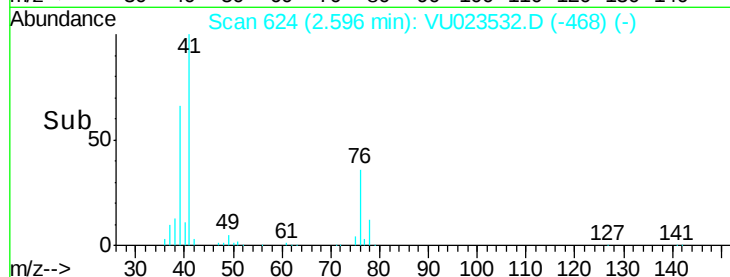
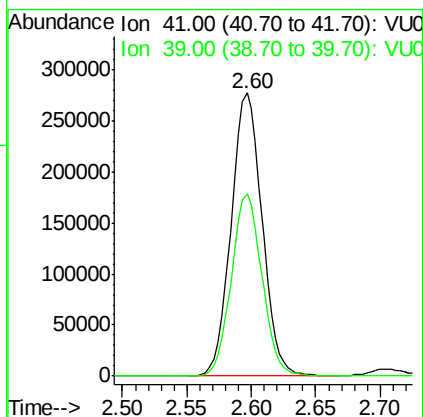
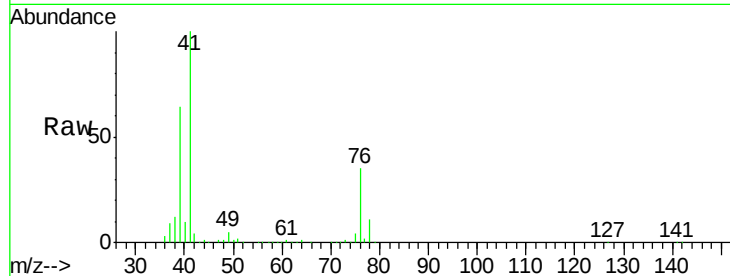




#11
 Allyl Chloride
 Concen: 22.03 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

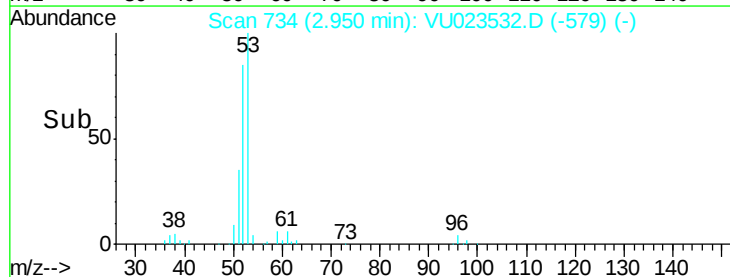
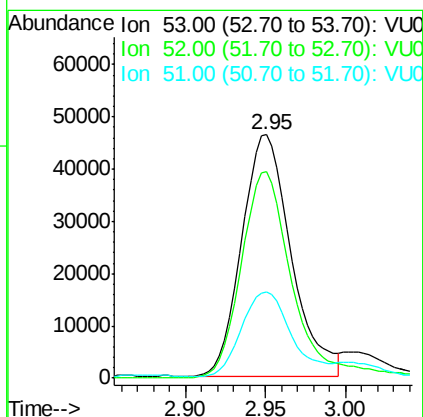
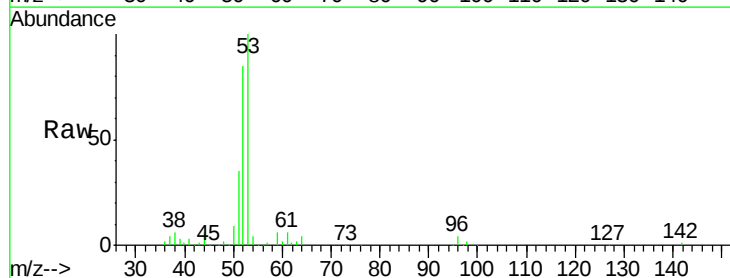
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

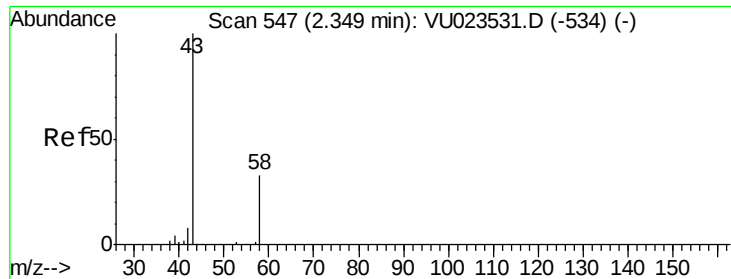
Tgt Ion: 41 Resp: 460789
 Ion Ratio Lower Upper
 41 100
 39 63.8 51.4 77.2



#12
 Acrylonitrile
 Concen: 33.11 ug/l
 RT: 2.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 53 Resp: 98407
 Ion Ratio Lower Upper
 53 100
 52 89.5 65.1 97.7
 51 35.6 30.2 45.4





#13

Acetone

Concen: 81.80 ug/l

RT: 2.34 min Scan# 544

Delta R.T. -0.01 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

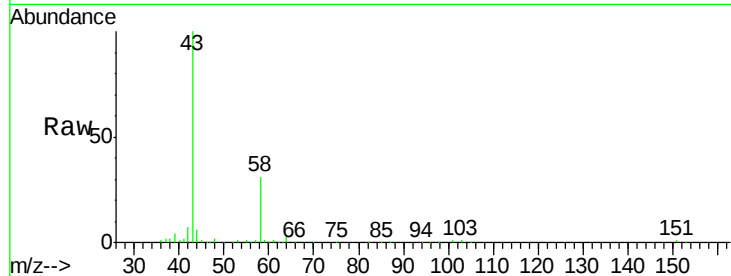
VSTDIC020

Tgt Ion: 43 Resp: 193484

Ion Ratio Lower Upper

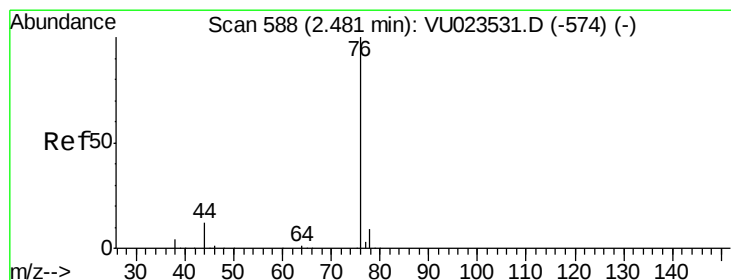
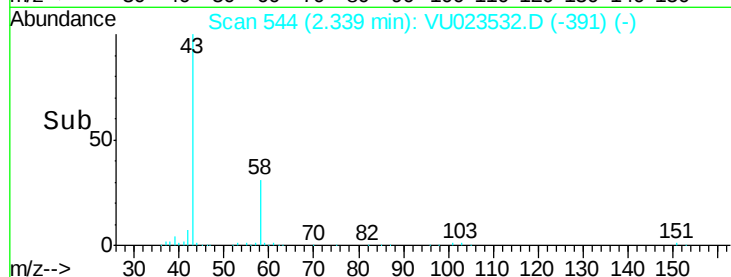
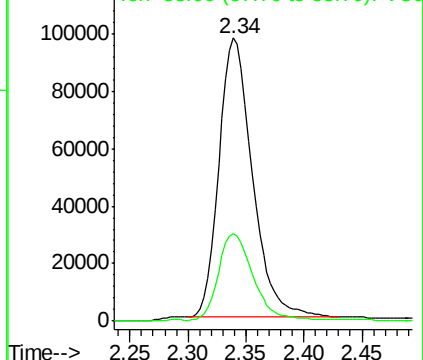
43 100

58 31.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 20.07 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023532.D

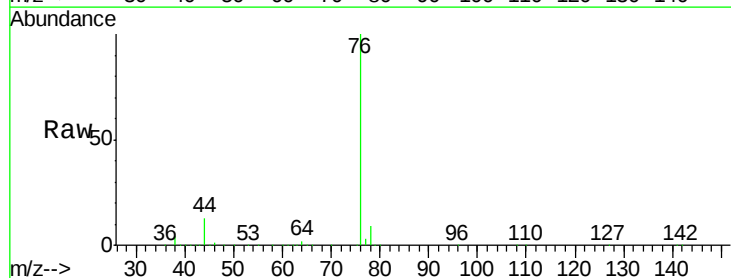
Acq: 30 Apr 2018 17:17

Tgt Ion: 76 Resp: 826240

Ion Ratio Lower Upper

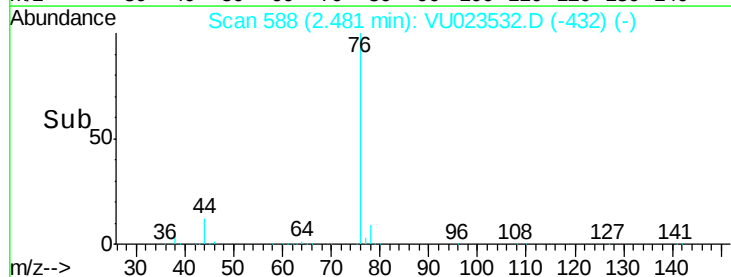
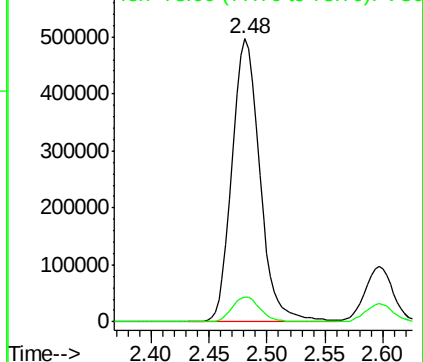
76 100

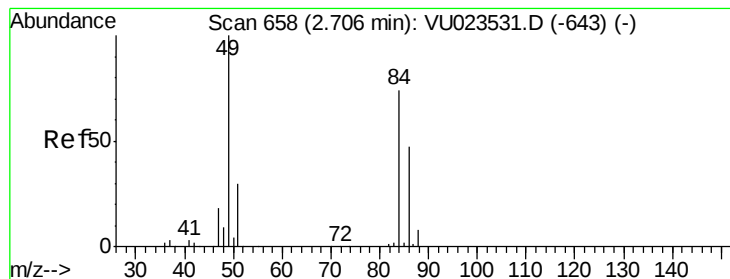
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methylene Chloride

Concen: 16.37 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 84 Resp: 259678

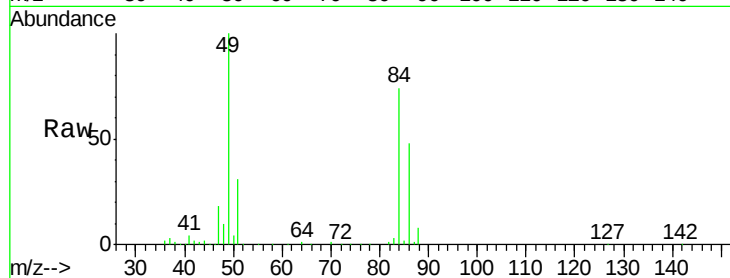
Ion Ratio Lower Upper

84 100

49 135.6 108.7 163.1

51 41.8 0.0 82.4

86 65.1 50.7 76.1

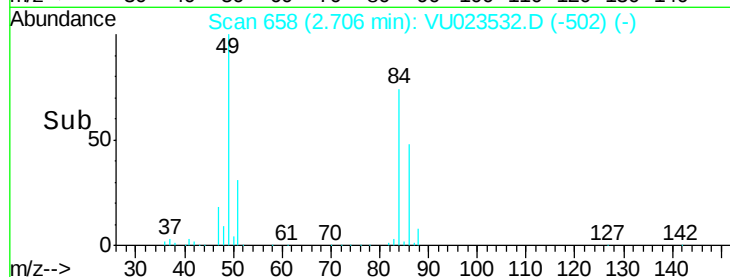


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

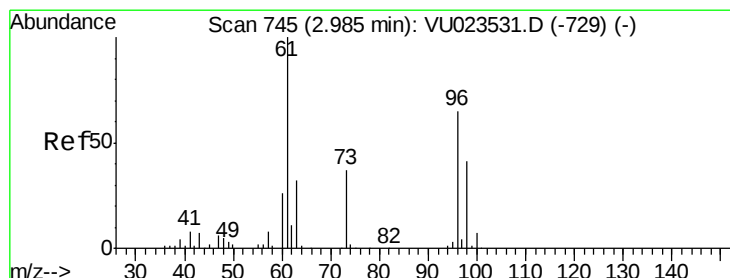
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->

2.71



#16

trans-1,2-Dichloroethene

Concen: 18.78 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

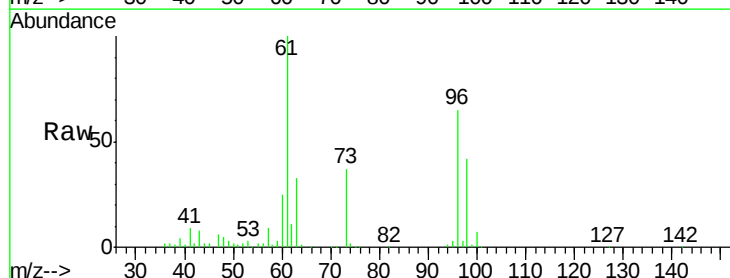
Tgt Ion: 96 Resp: 266285

Ion Ratio Lower Upper

96 100

61 153.9 123.9 185.9

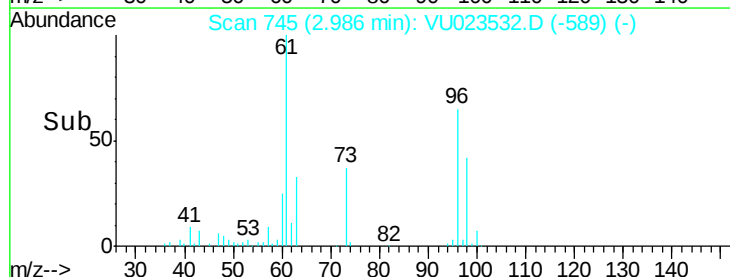
98 64.6 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

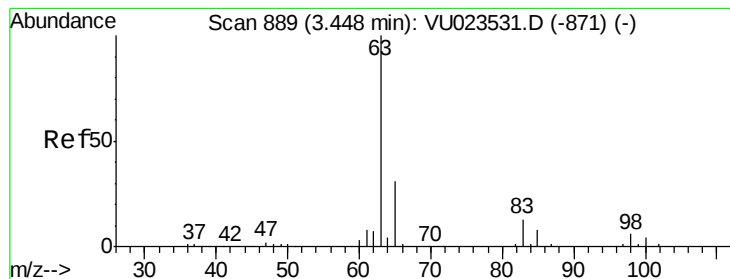
Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->

2.99



#17

1,1-Dichloroethane

Concen: 19.91 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

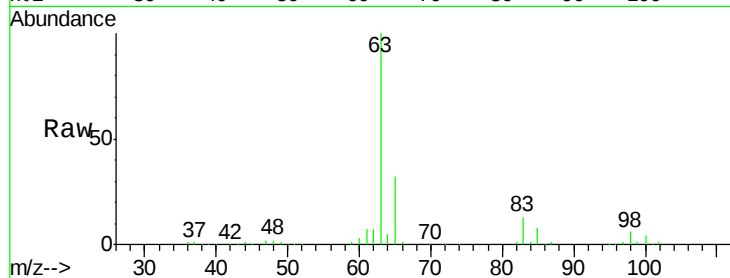
Tgt Ion: 63 Resp: 527189

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

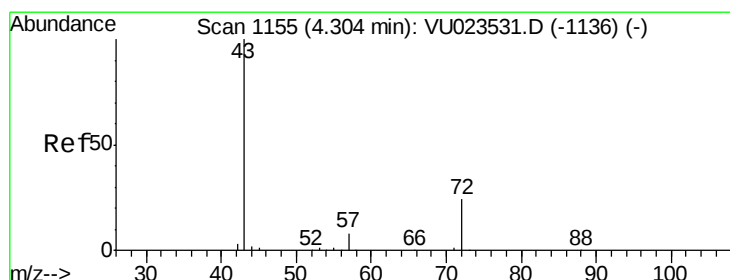
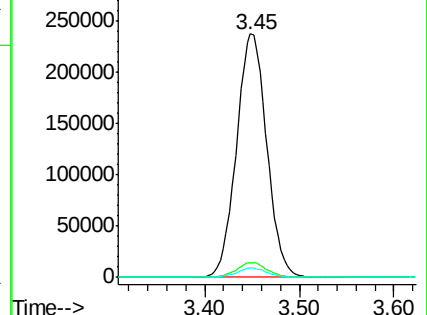
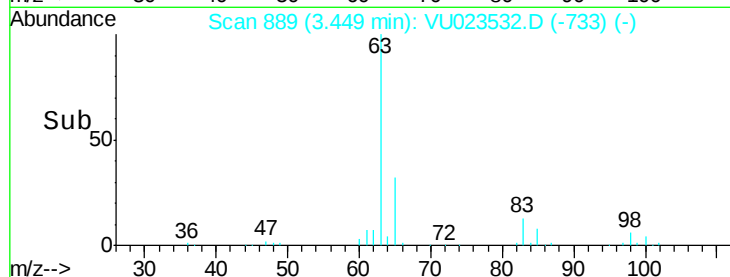
100 4.0 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#18

2-Butanone

Concen: 98.26 ug/l

RT: 4.30 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VU023532.D

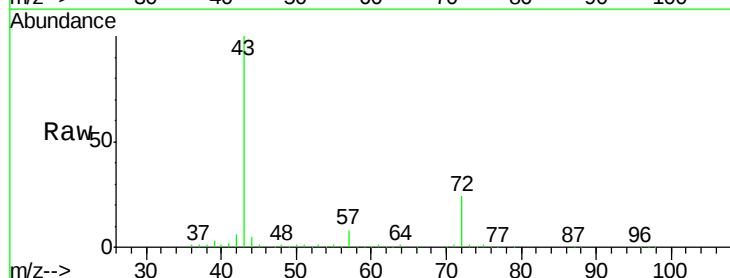
Acq: 30 Apr 2018 17:17

Tgt Ion: 43 Resp: 355378

Ion Ratio Lower Upper

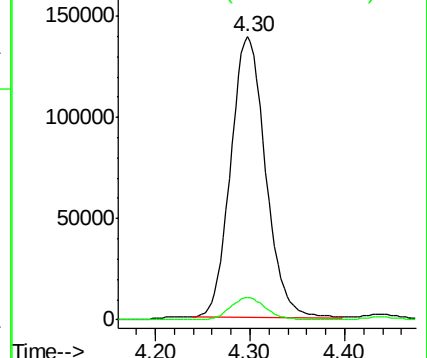
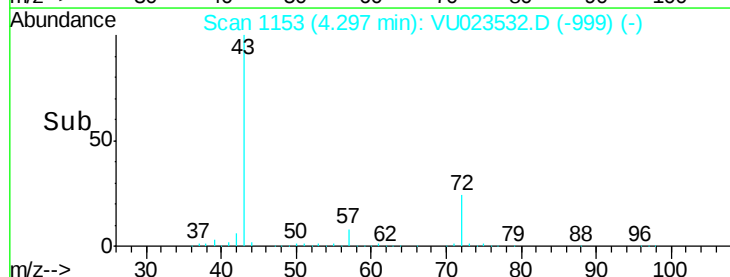
43 100

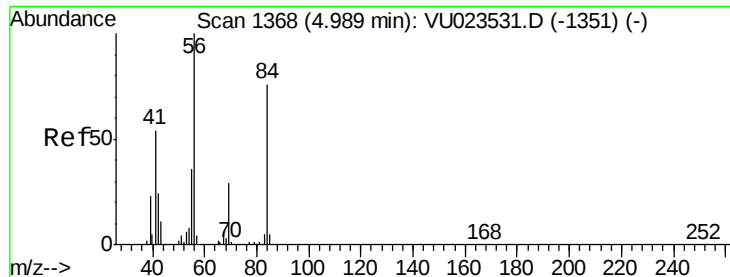
57 7.9 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 24.31 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

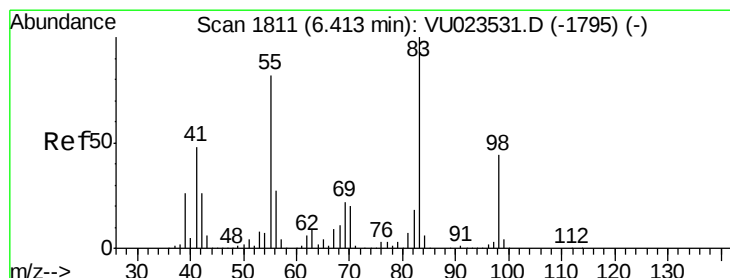
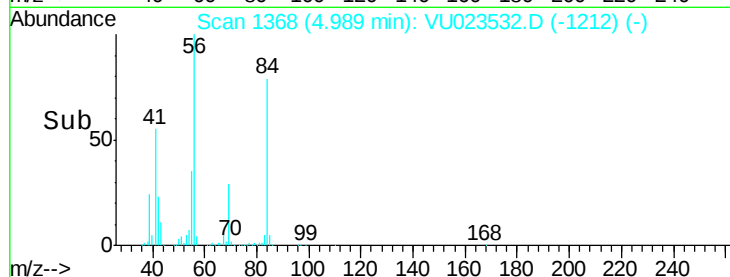
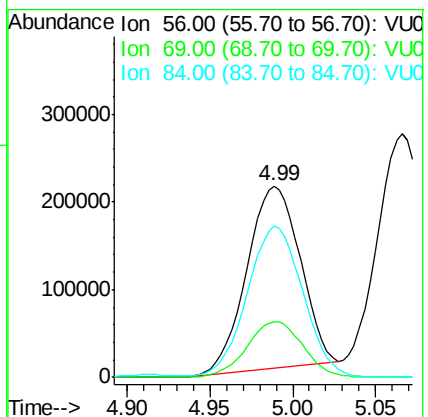
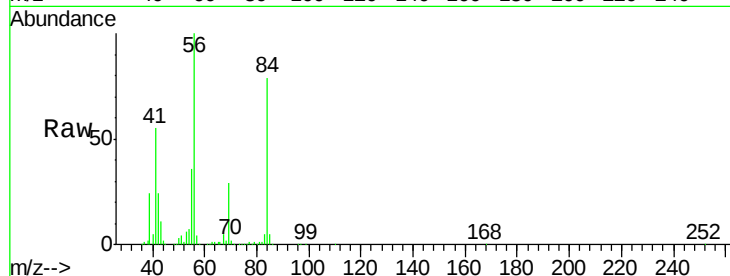
Tgt Ion: 56 Resp: 464352

Ion Ratio Lower Upper

56 100

69 32.4 26.0 39.0

84 85.9 68.3 102.5



#20

Methylcyclohexane

Concen: 23.76 ug/l

RT: 6.41 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

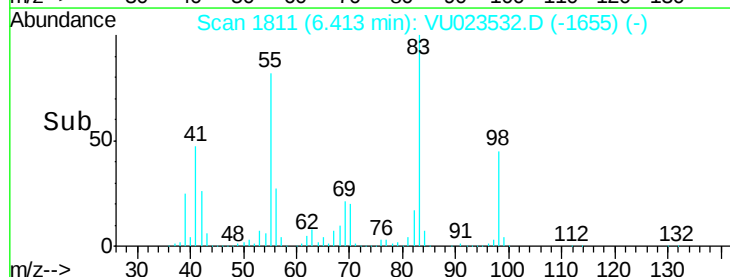
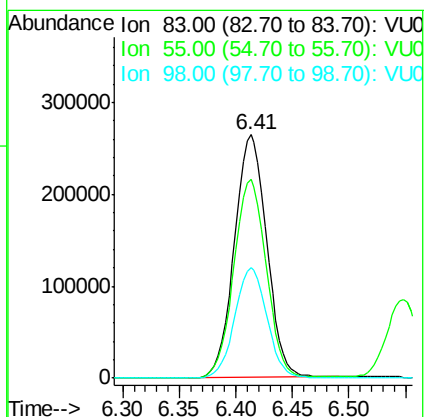
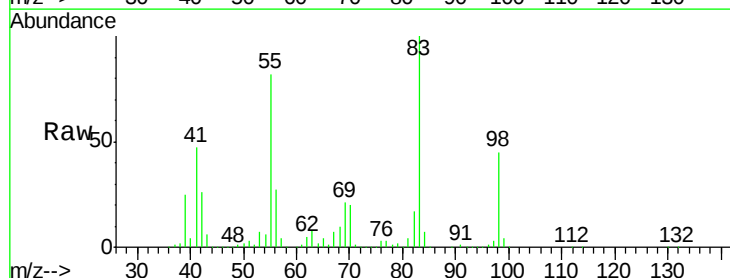
Tgt Ion: 83 Resp: 525316

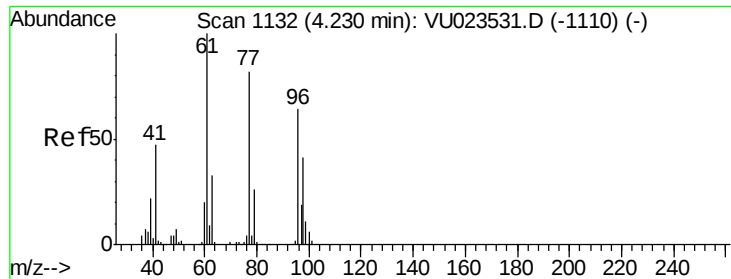
Ion Ratio Lower Upper

83 100

55 81.8 66.4 99.6

98 45.0 35.4 53.2





#21

2,2-Dichloropropane

Concen: 21.56 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

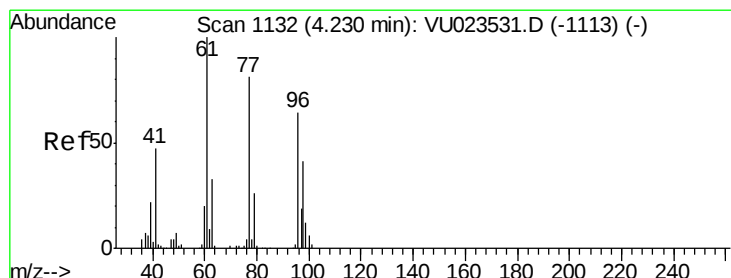
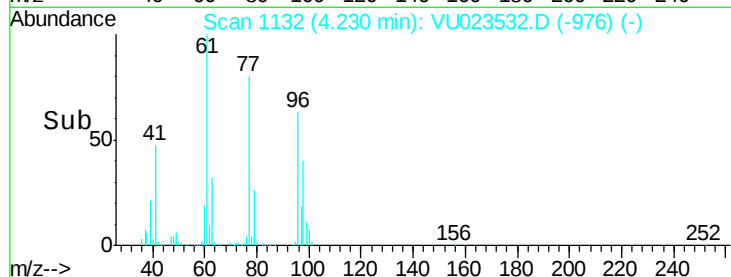
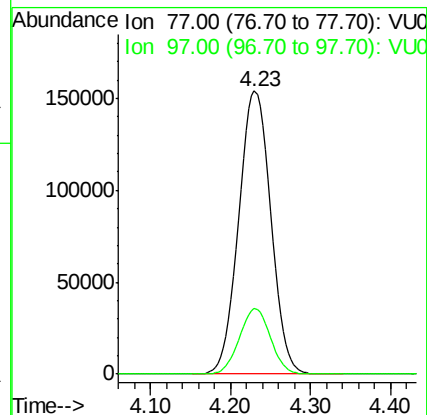
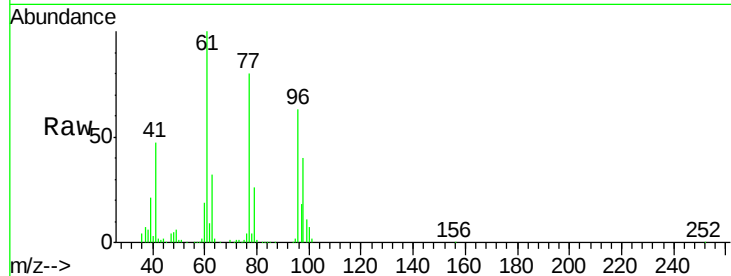
VSTDIC020

Tgt Ion: 77 Resp: 417808

Ion Ratio Lower Upper

77 100

97 22.5 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 18.44 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

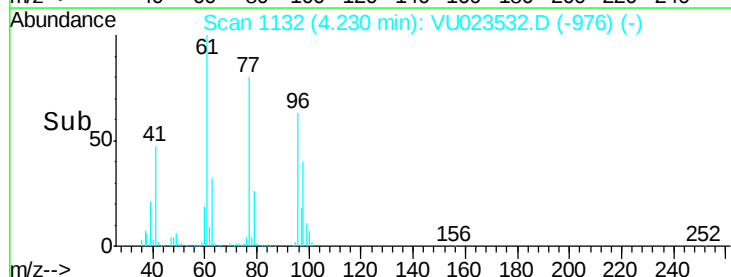
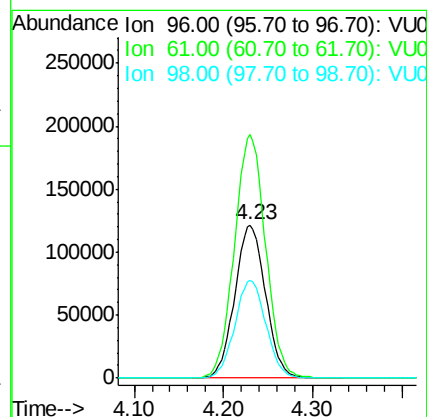
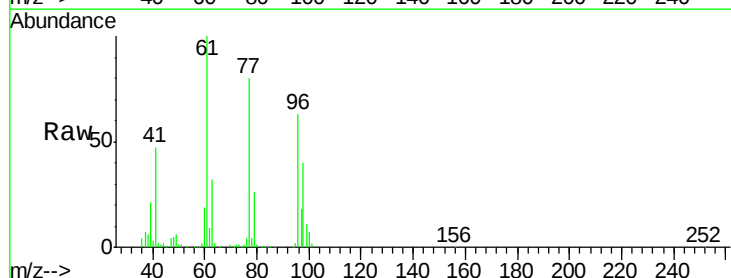
Tgt Ion: 96 Resp: 290703

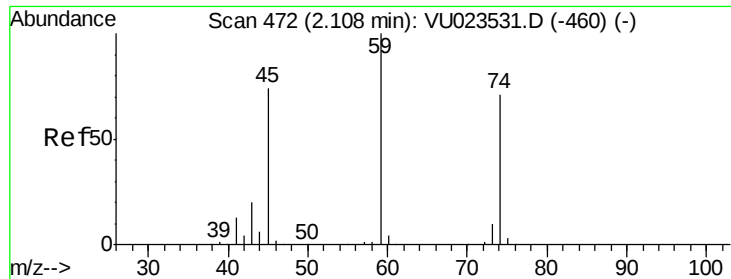
Ion Ratio Lower Upper

96 100

61 160.7 0.0 400.5

98 64.6 32.2 96.6

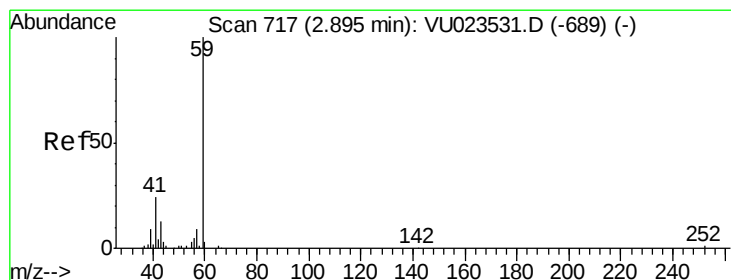
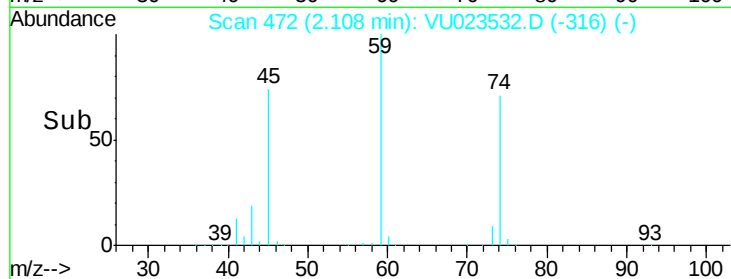
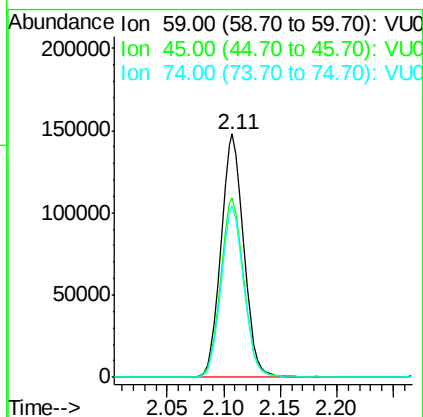
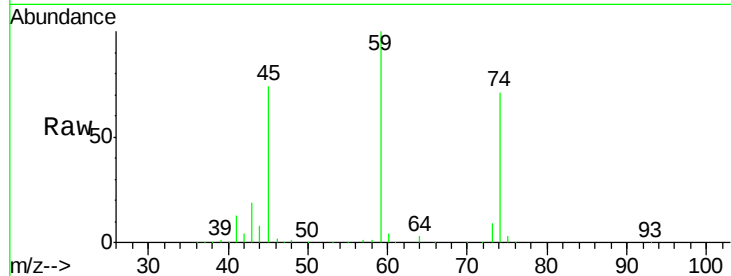




#23
Diethyl Ether
Concen: 19.40 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

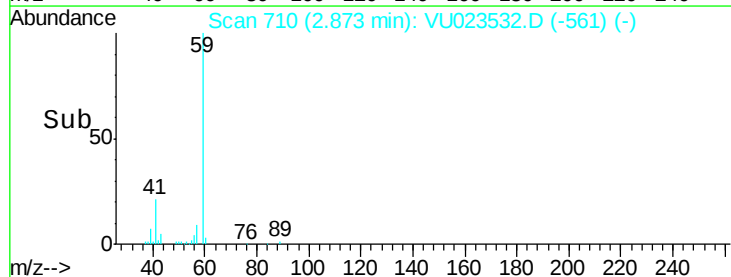
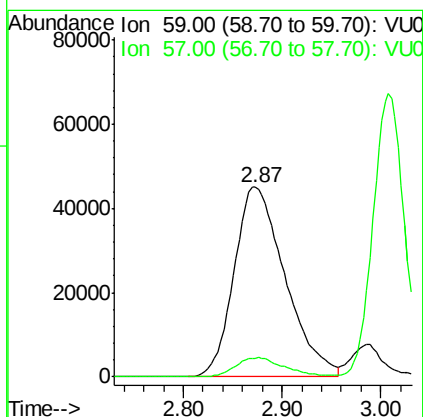
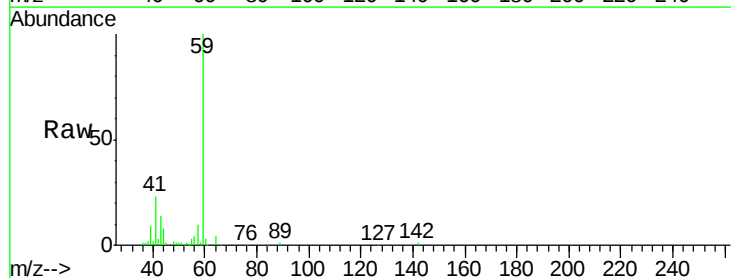
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

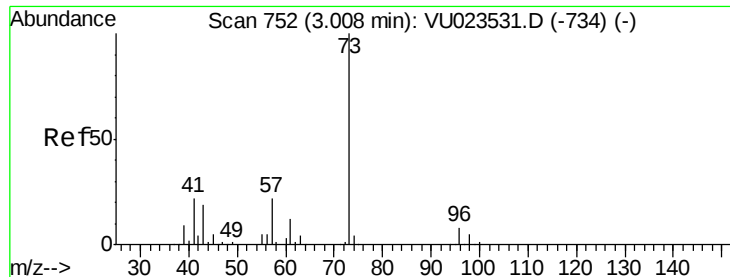
Tgt Ion: 59 Resp: 207425
Ion Ratio Lower Upper
59 100
45 75.1 60.0 90.0
74 70.5 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 155.67 ug/l
RT: 2.87 min Scan# 710
Delta R.T. -0.02 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 59 Resp: 162146
Ion Ratio Lower Upper
59 100
57 10.0 3.4 5.2#



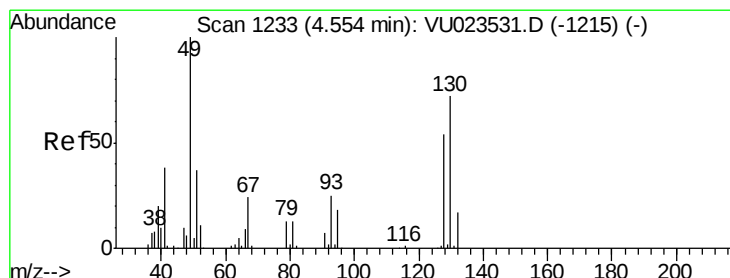
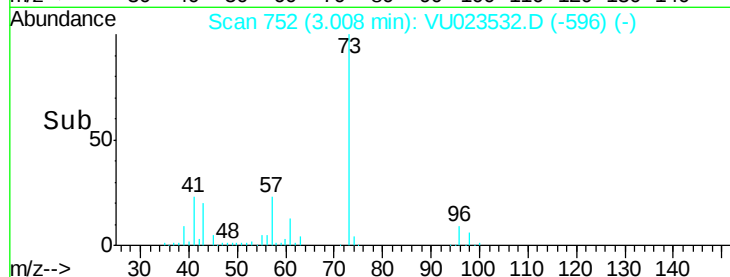
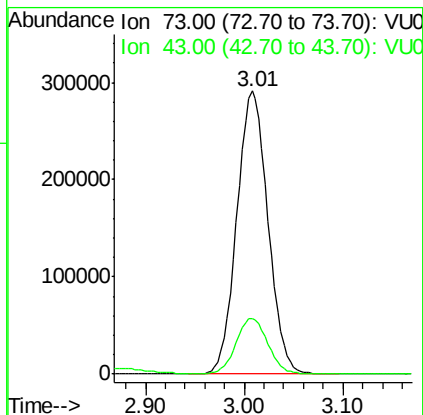
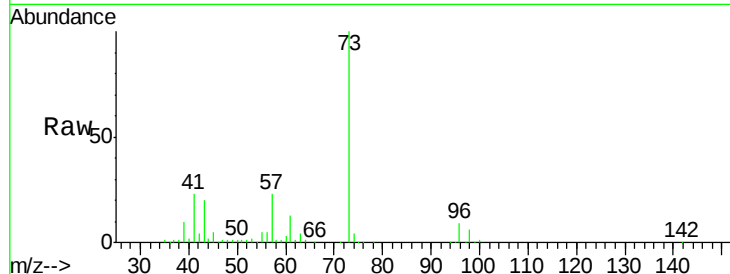


#25

Methyl tert-Butyl Ether
Concen: 19.19 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

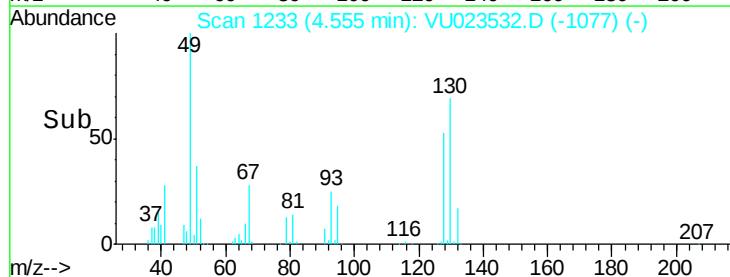
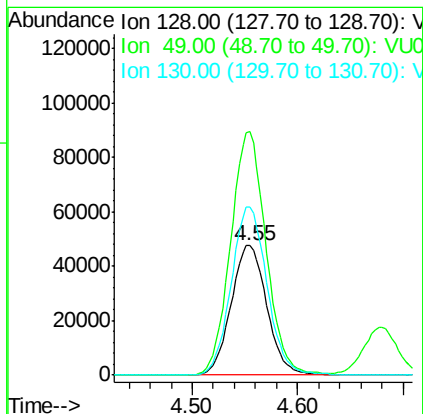
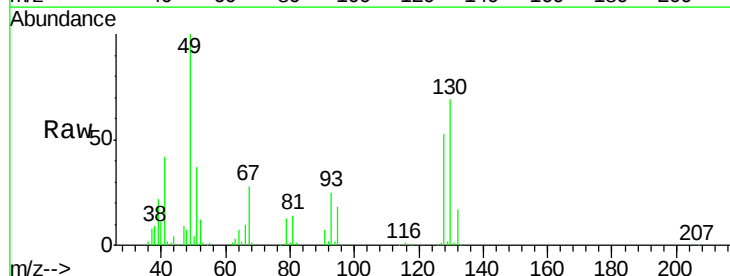
Tgt Ion: 73 Resp: 636715
Ion Ratio Lower Upper
73 100
43 19.9 16.2 24.2

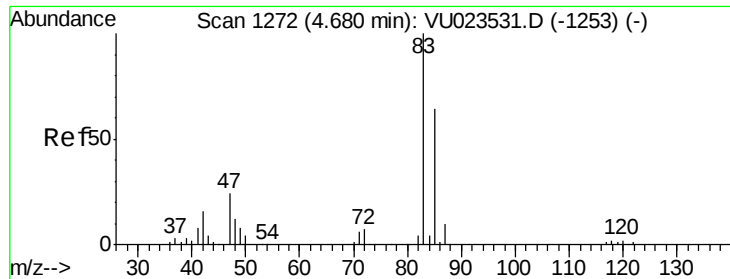


#26

Bromochloromethane
Concen: 16.21 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 128 Resp: 112098
Ion Ratio Lower Upper
128 100
49 185.3 0.0 375.2
130 130.2 105.8 158.6

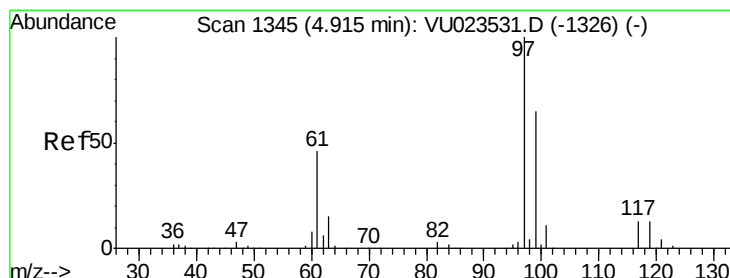
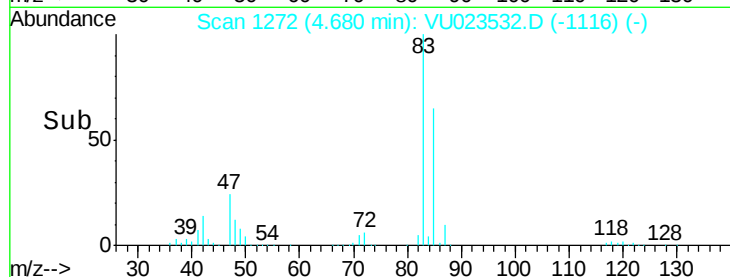
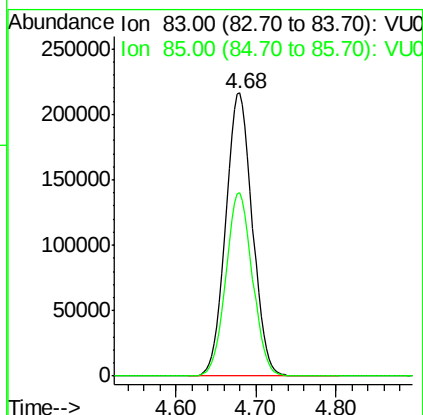
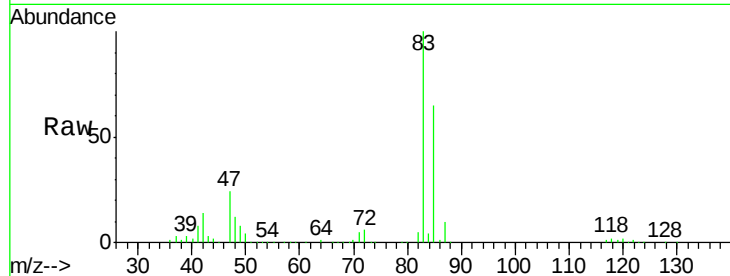




#27
Chloroform
Concen: 18.70 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

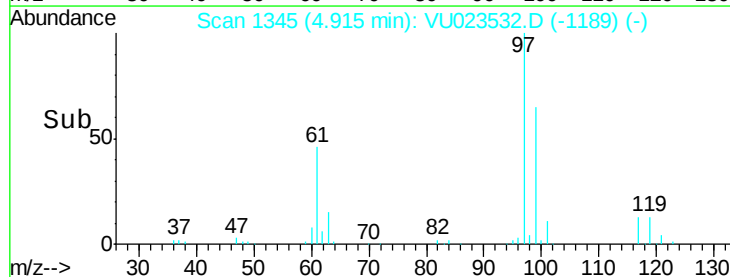
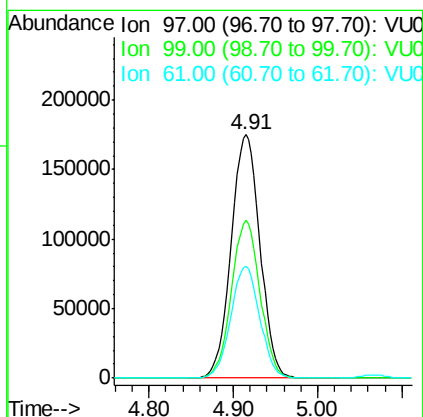
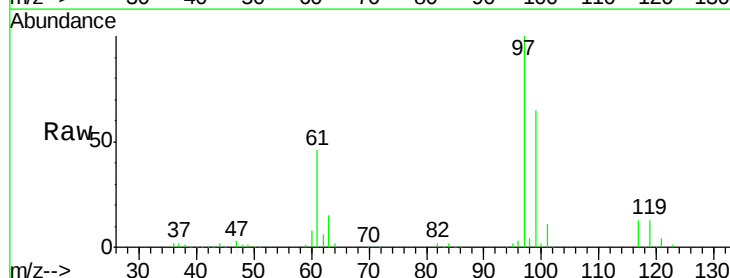
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

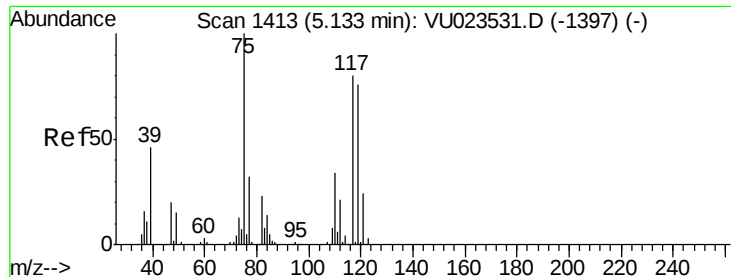
Tgt Ion: 83 Resp: 493611
Ion Ratio Lower Upper
83 100
85 64.6 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 20.50 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 97 Resp: 416105
Ion Ratio Lower Upper
97 100
99 64.3 32.3 96.9
61 46.3 23.2 69.5





#29

1,1-Dichloropropene

Concen: 20.33 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

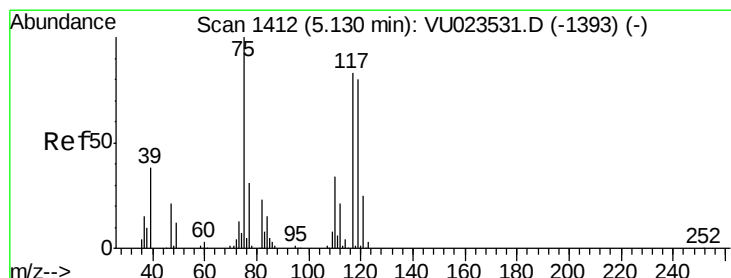
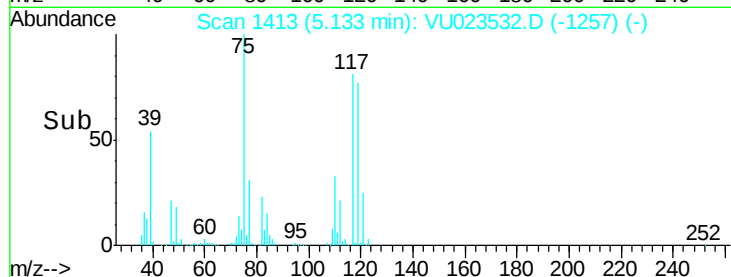
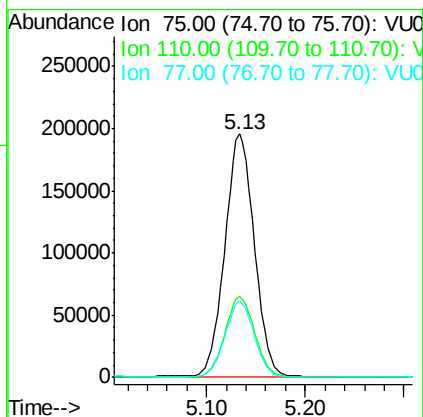
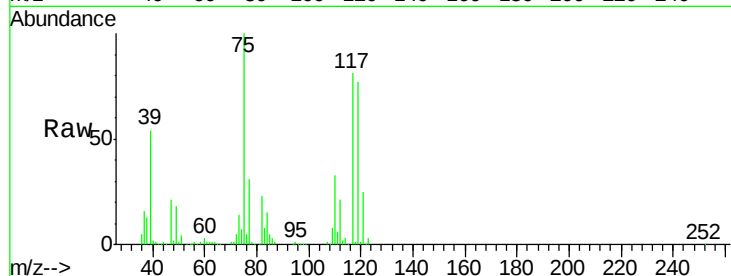
Tgt Ion: 75 Resp: 406812

Ion Ratio Lower Upper

75 100

110 34.0 16.9 50.7

77 30.8 24.8 37.2



#30

Carbon Tetrachloride

Concen: 21.19 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

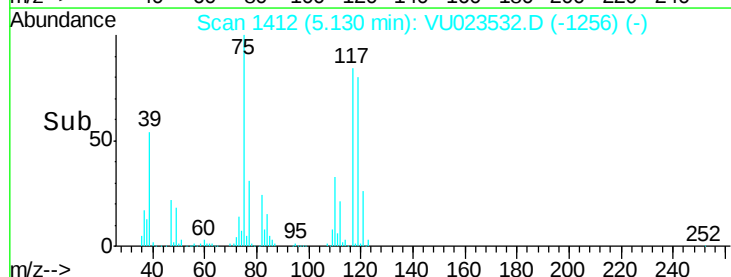
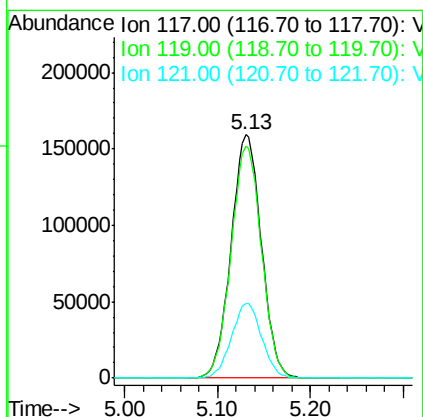
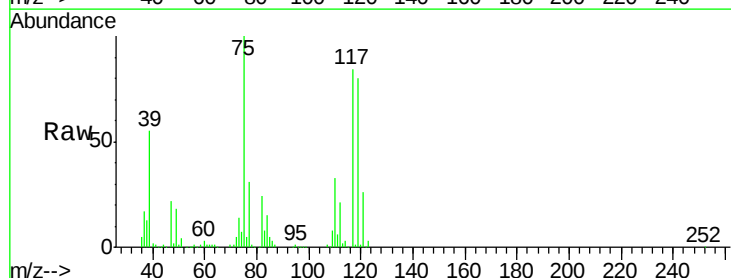
Tgt Ion: 117 Resp: 360481

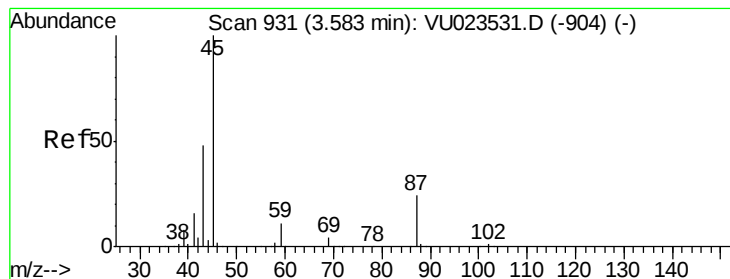
Ion Ratio Lower Upper

117 100

119 95.3 77.3 115.9

121 30.8 24.5 36.7





#31

Isopropyl Ether

Concen: 22.38 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

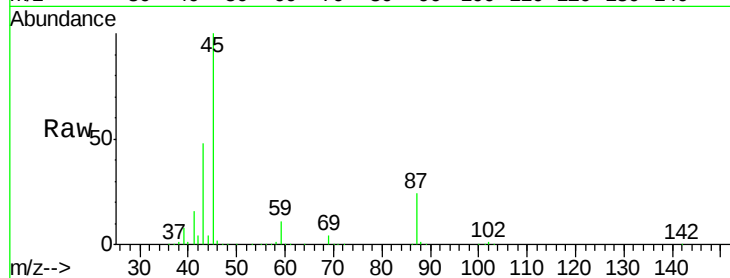
VSTDIC020

Tgt Ion: 45 Resp: 904201

Ion Ratio Lower Upper

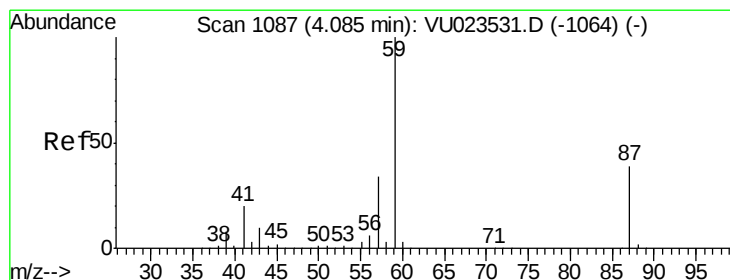
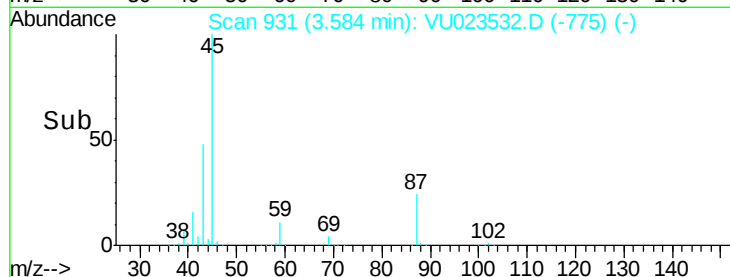
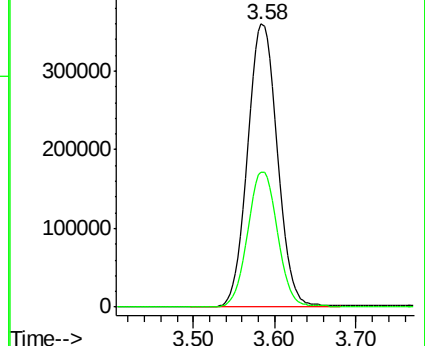
45 100

43 48.0 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 21.43 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU023532.D

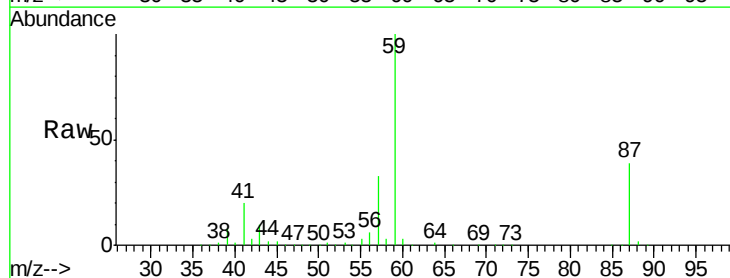
Acq: 30 Apr 2018 17:17

Tgt Ion: 59 Resp: 781323

Ion Ratio Lower Upper

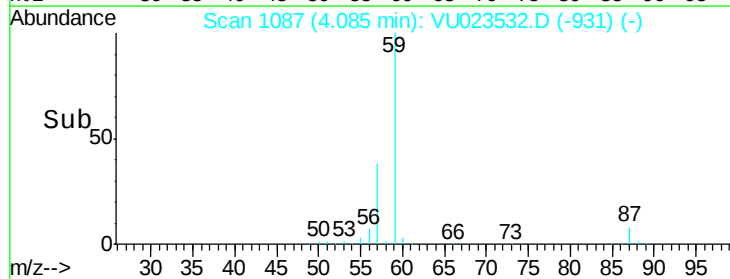
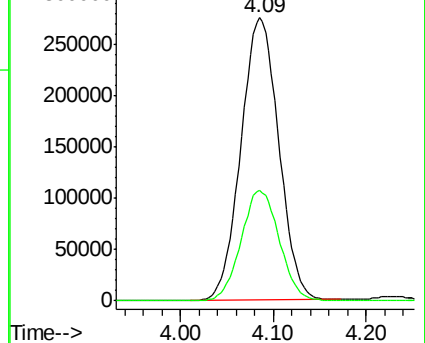
59 100

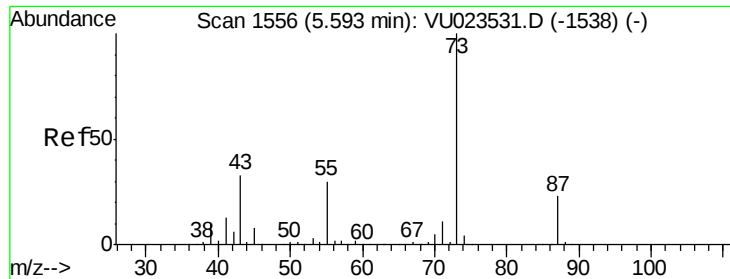
87 39.3 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

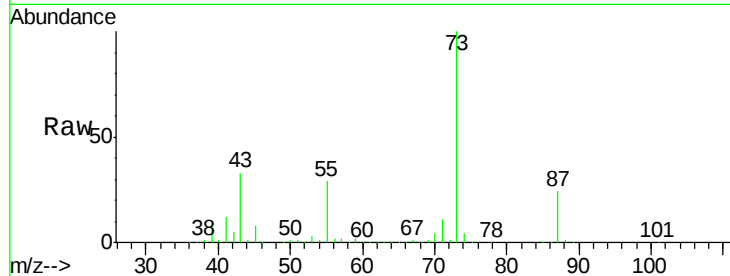




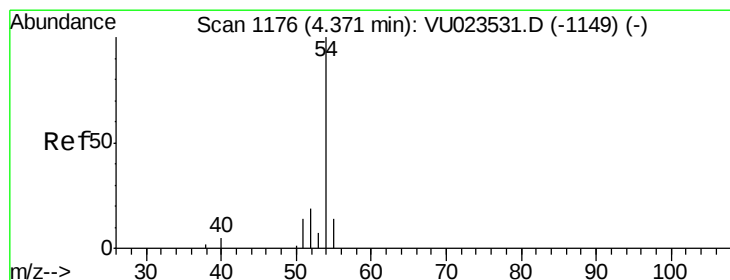
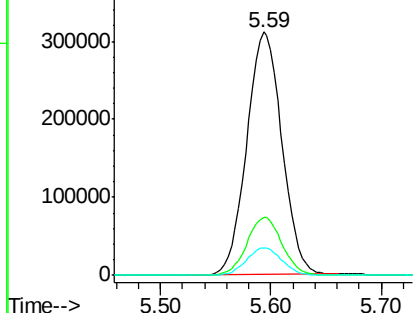
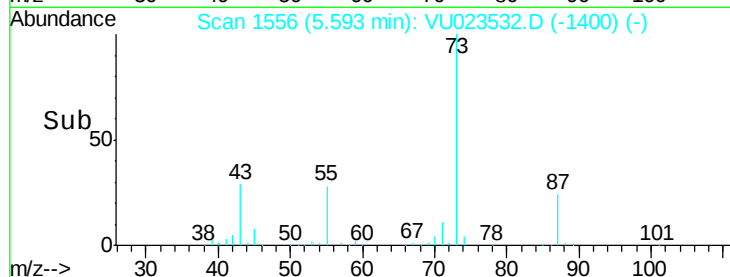
#33
 Tert-Amyl methyl ether
 Concen: 21.68 ug/l
 RT: 5.59 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 73 Resp: 684457
 Ion Ratio Lower Upper
 73 100
 87 23.9 18.6 28.0
 71 11.4 9.3 13.9

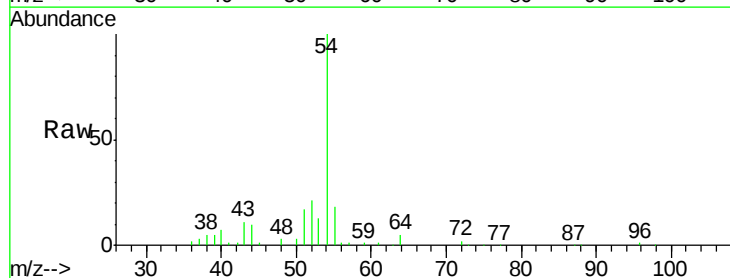


Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

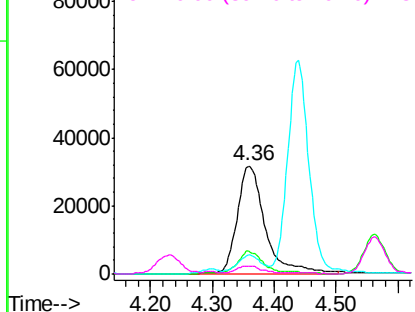
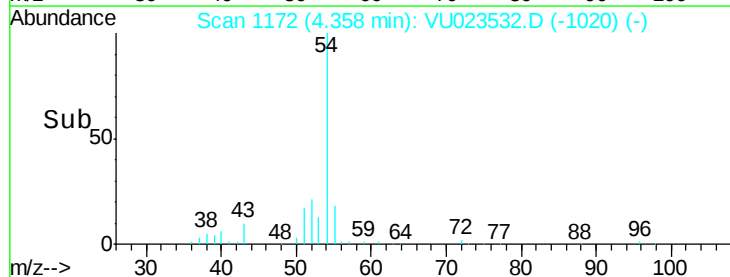


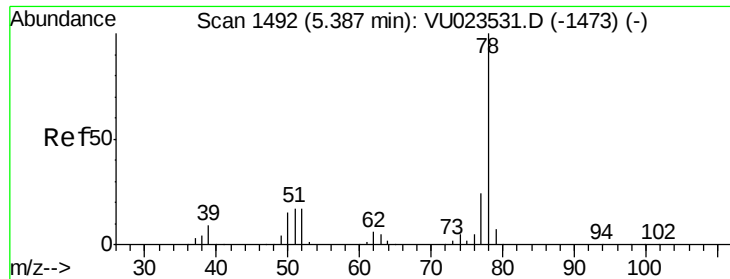
#34
 Propionitrile
 Concen: 92.26 ug/l
 RT: 4.36 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 54 Resp: 100960
 Ion Ratio Lower Upper
 54 100
 52 18.9 13.7 20.5
 55 14.8 10.2 15.2
 40 2.2 3.5 5.3#



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: 20.57 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

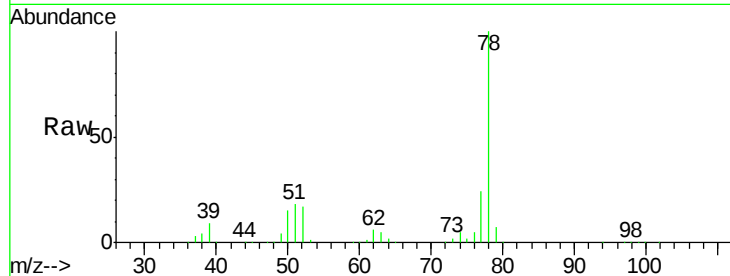
VSTDIC020

Tgt Ion: 78 Resp: 1245421

Ion Ratio Lower Upper

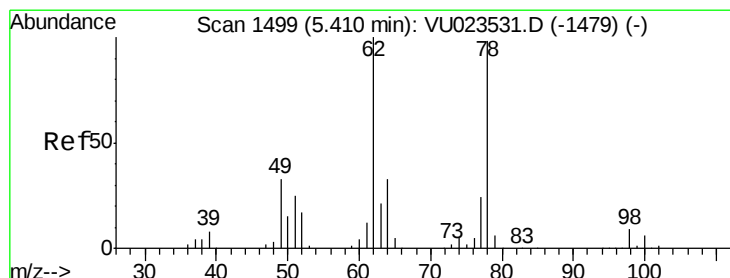
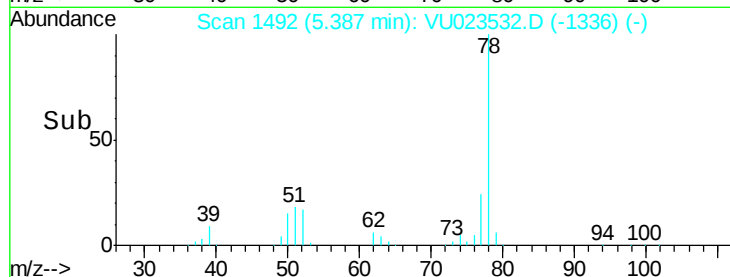
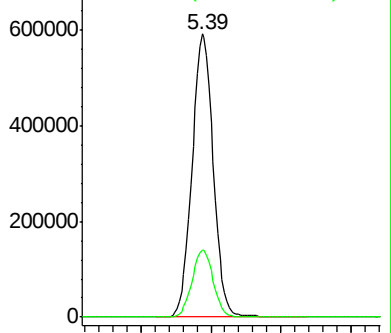
78 100

77 23.8 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 21.21 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU023532.D

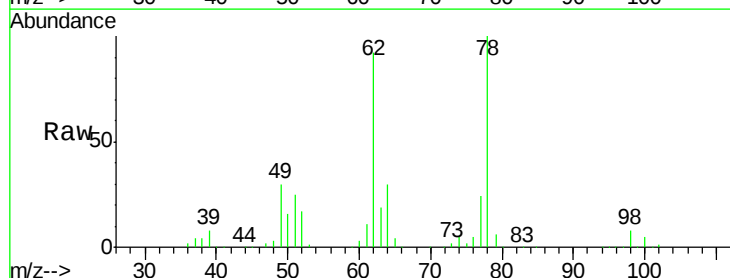
Acq: 30 Apr 2018 17:17

Tgt Ion: 62 Resp: 340491

Ion Ratio Lower Upper

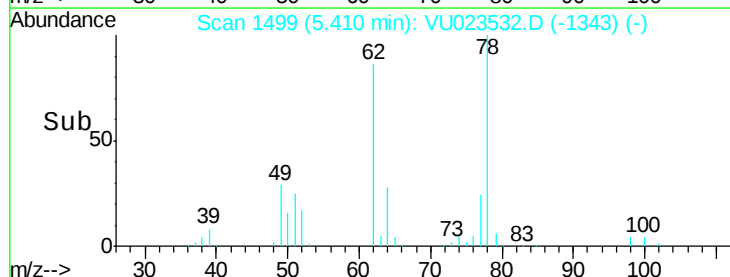
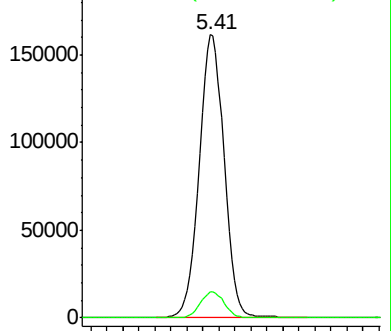
62 100

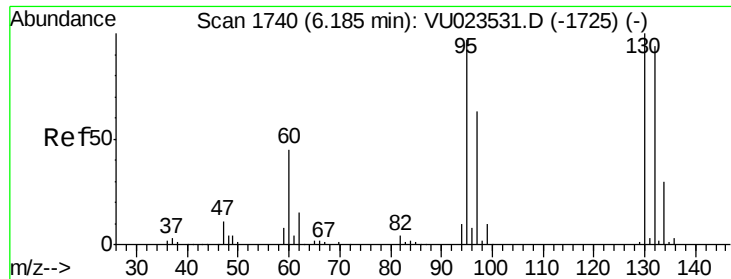
98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

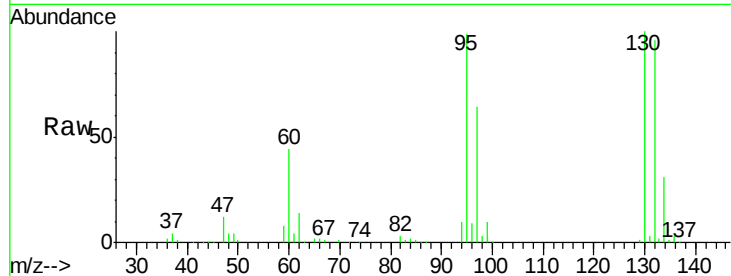




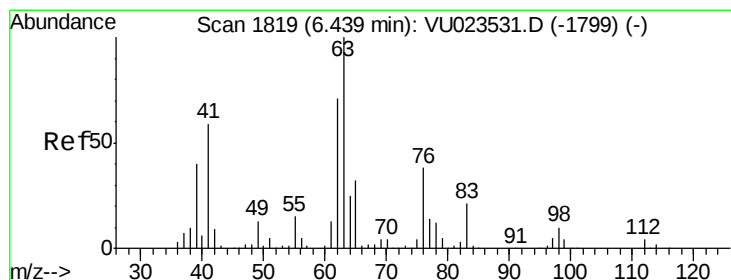
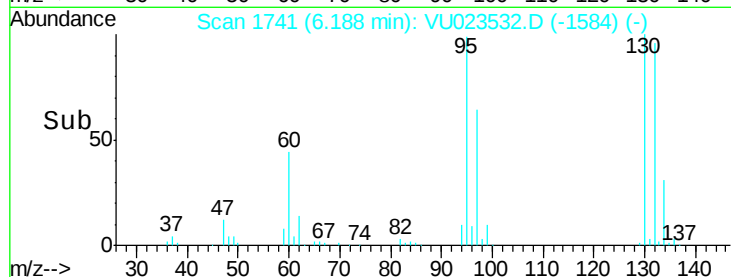
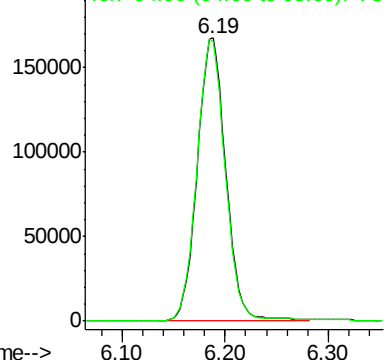
#37
 Trichloroethene
 Concen: 20.03 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:130 Resp: 323206
 Ion Ratio Lower Upper
 130 100
 95 98.9 77.9 116.9

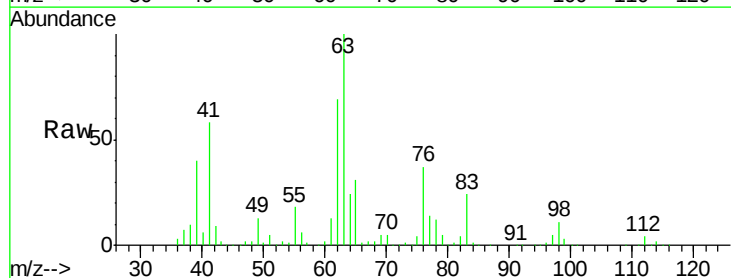


Abundance Ion 129.90 (129.60 to 130.60): VU023532.D (-1584) (-)
 Ion 94.90 (94.60 to 95.60): VU023532.D (-1584) (-)

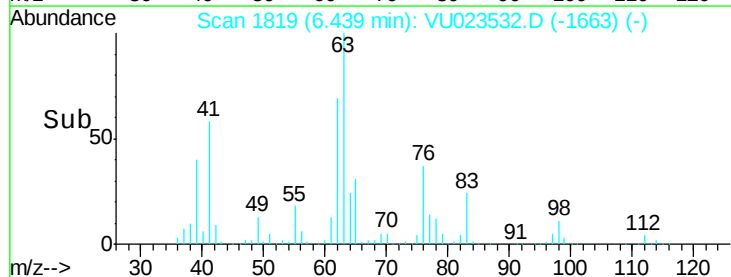
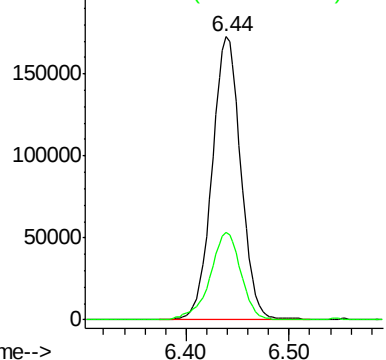


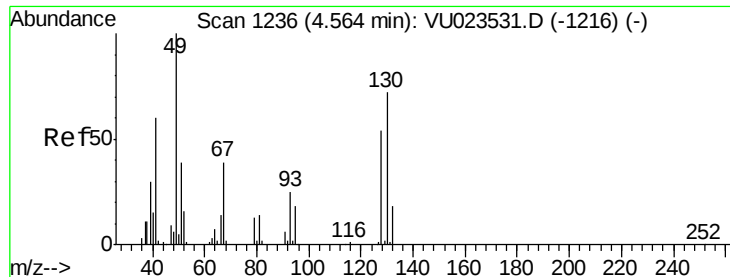
#38
 1,2-Dichloropropane
 Concen: 21.66 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 63 Resp: 333606
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU023532.D (-1663) (-)
 Ion 65.00 (64.70 to 65.70): VU023532.D (-1663) (-)

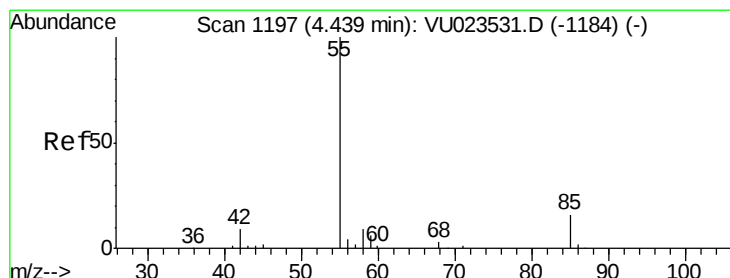
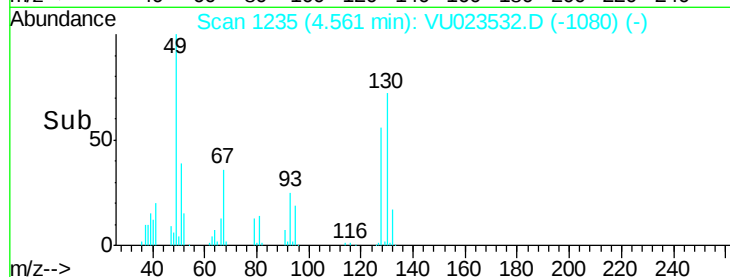
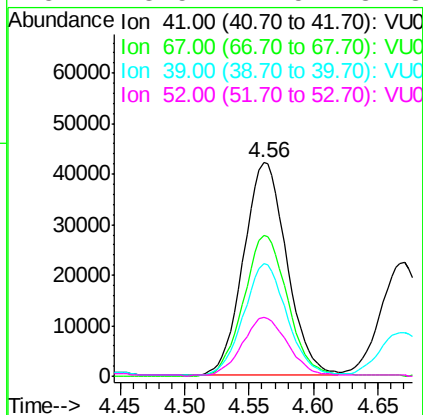
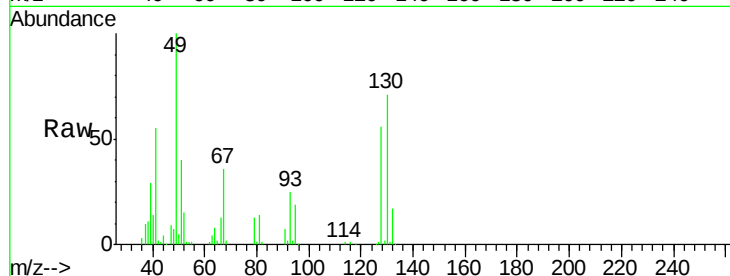




#39
Methacrylonitrile
Concen: 21.81 ug/l
RT: 4.56 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

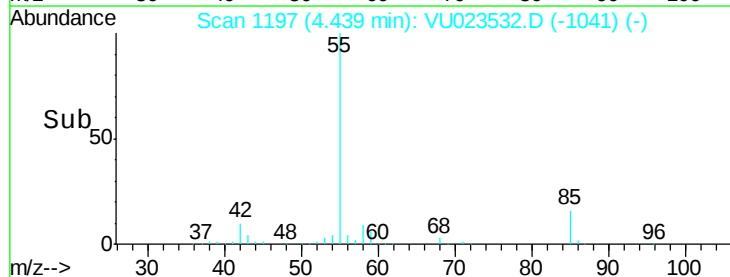
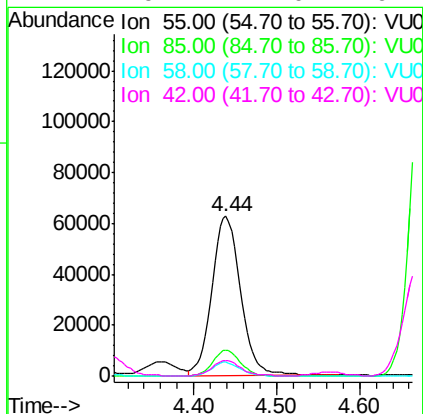
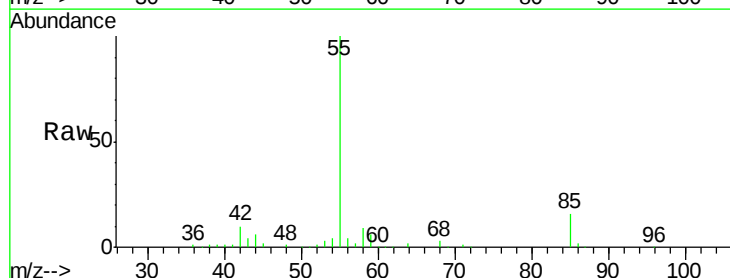
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

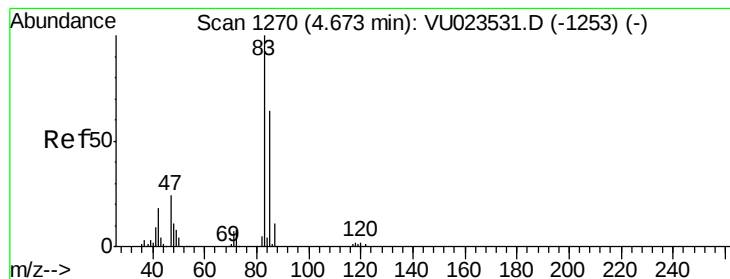
Tgt Ion:	41	Resp:	98957
Ion	Ratio	Lower	Upper
41	100		
67	67.3	51.3	76.9
39	52.6	40.6	60.8
52	28.5	21.5	32.3



#40
Methyl acrylate
Concen: 21.97 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:	55	Resp:	150830
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.3	18.5
58	8.5	7.0	10.6
42	9.4	7.0	10.4





#41

Tetrahydrofuran

Concen: 38.54 ug/l

RT: 4.67 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

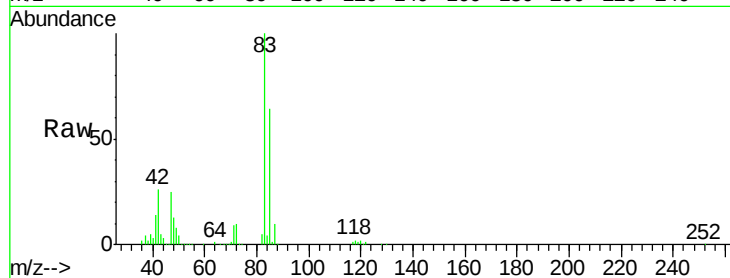
Tgt Ion: 42 Resp: 97600

Ion Ratio Lower Upper

42 100

72 42.6 33.2 49.8

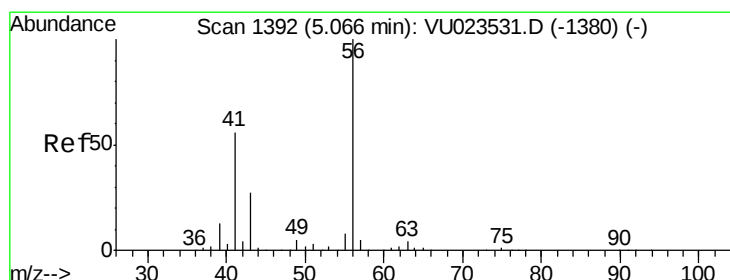
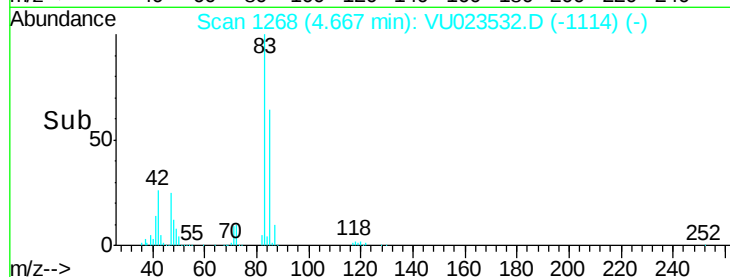
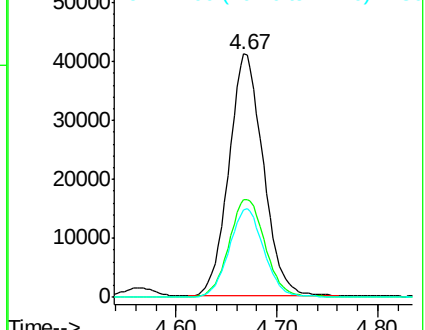
71 37.0 29.8 44.8



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: 21.95 ug/l

RT: 5.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU023532.D

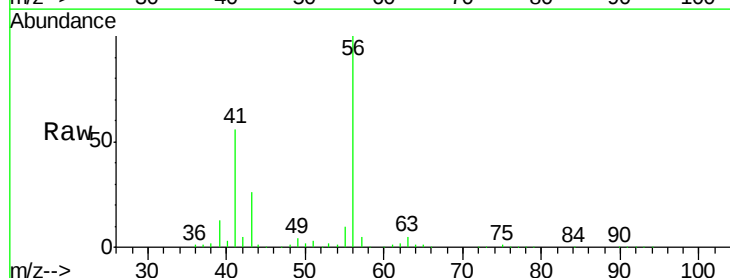
Acq: 30 Apr 2018 17:17

Tgt Ion: 56 Resp: 590620

Ion Ratio Lower Upper

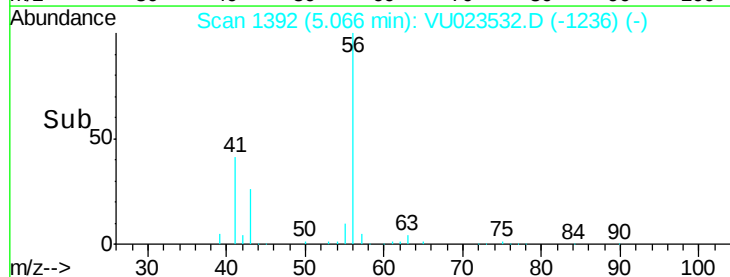
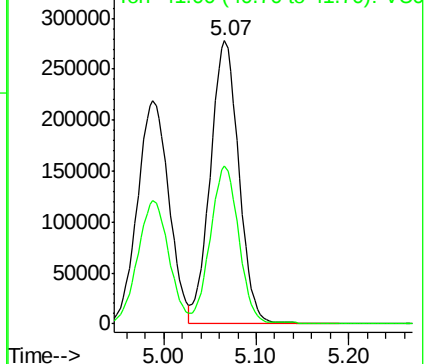
56 100

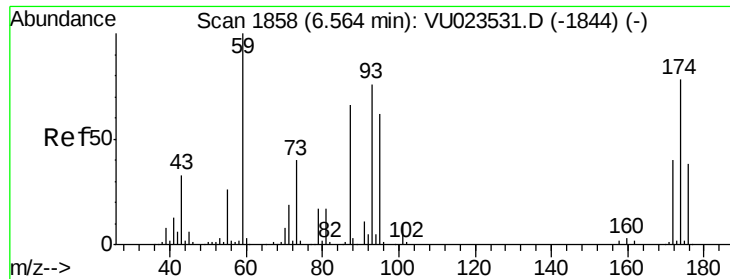
41 54.9 27.5 82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 19.64 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

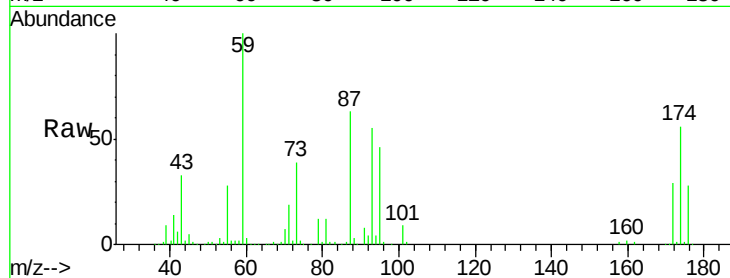
Tgt Ion: 93 Resp: 143197

Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

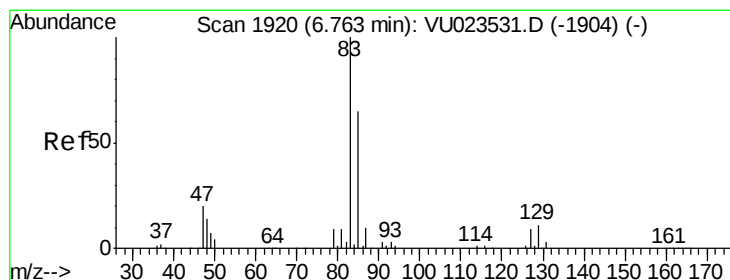
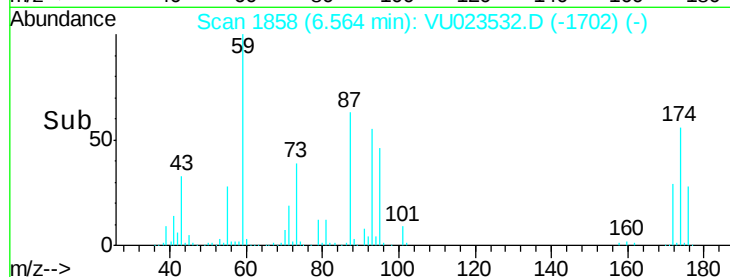
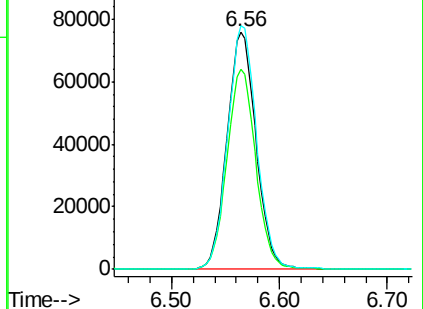
174 102.2 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 21.80 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

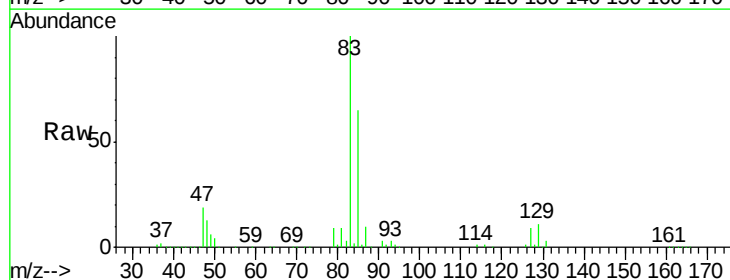
Tgt Ion: 83 Resp: 371777

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.4

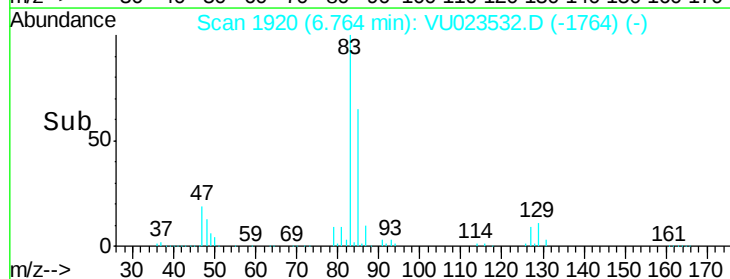
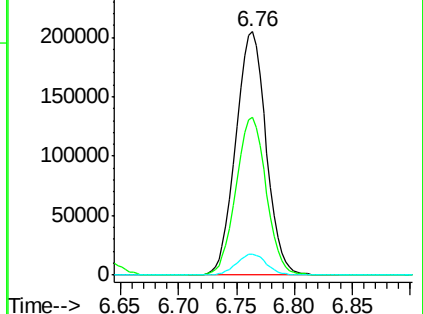
127 8.6 7.0 10.4

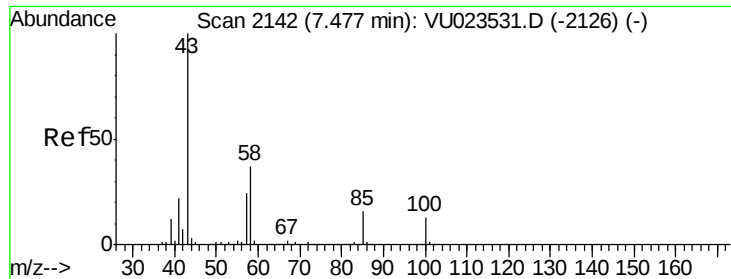


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

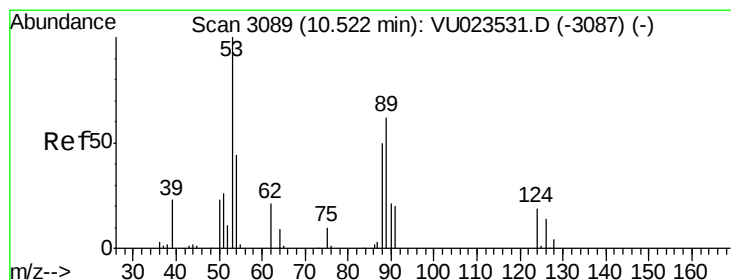
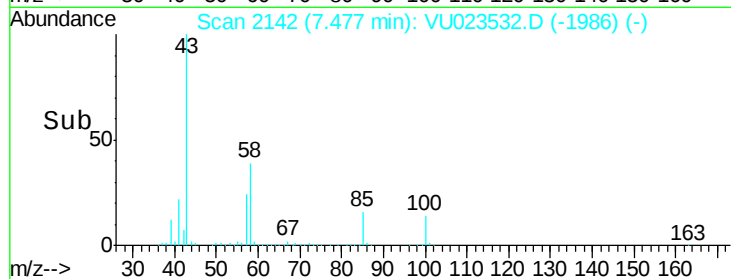
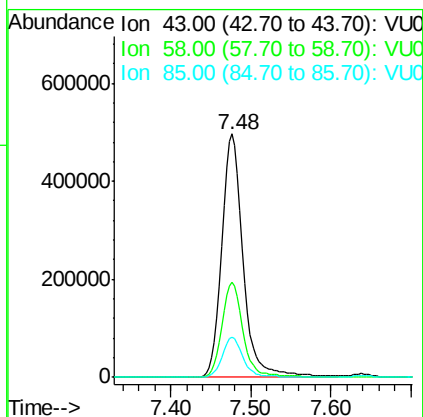
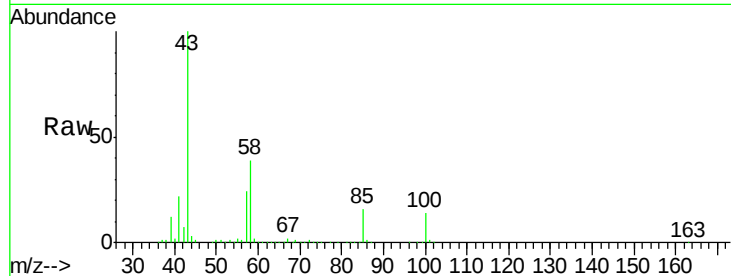




#45
 4-Methyl-2-Pentanone
 Concen: 109.72 ug/l
 RT: 7.48 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

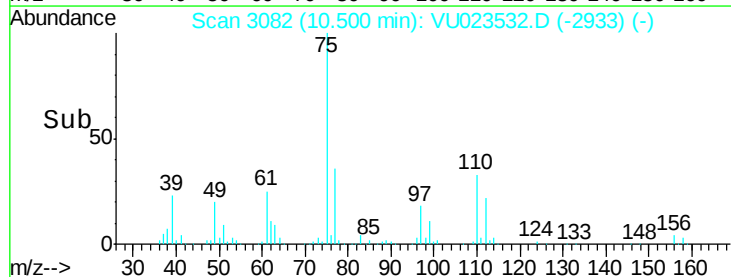
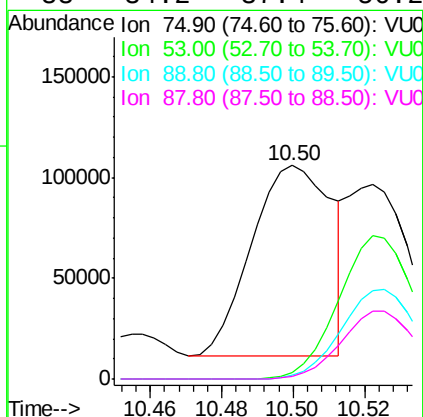
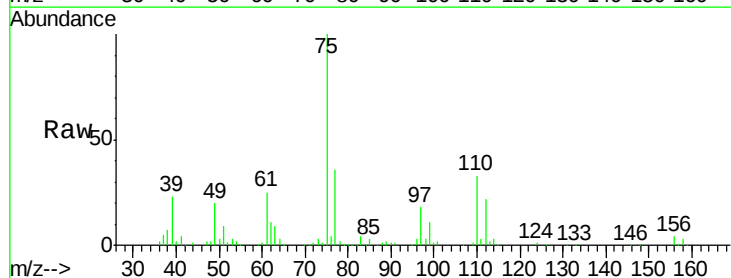
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

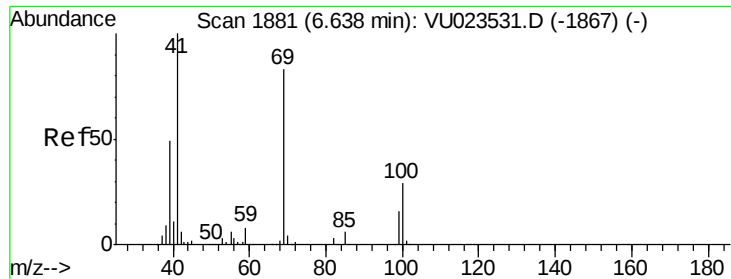
Tgt Ion: 43 Resp: 921413
 Ion Ratio Lower Upper
 43 100
 58 39.0 18.8 56.4
 85 16.2 12.6 19.0



#46
 t-1,4-Dichloro-2-butene
 Concen: 56.13 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.02 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 75 Resp: 147000
 Ion Ratio Lower Upper
 75 100
 53 73.6 82.2 123.4#
 89 45.8 51.3 76.9#
 88 34.2 37.4 56.2#

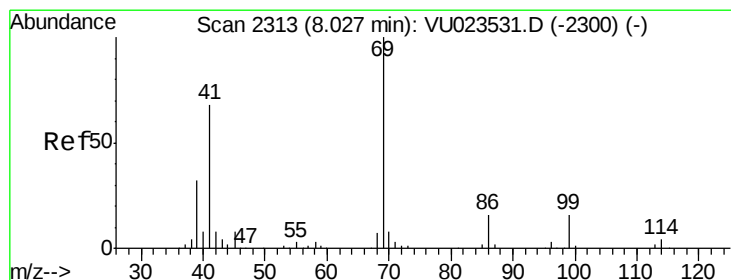
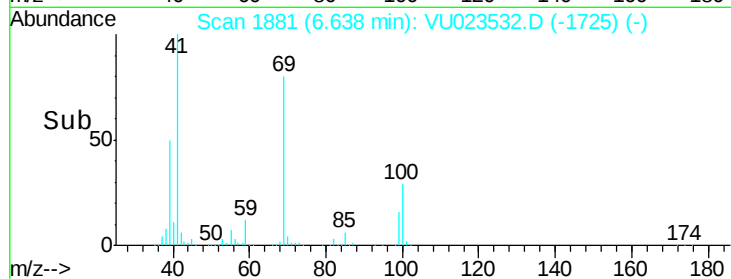
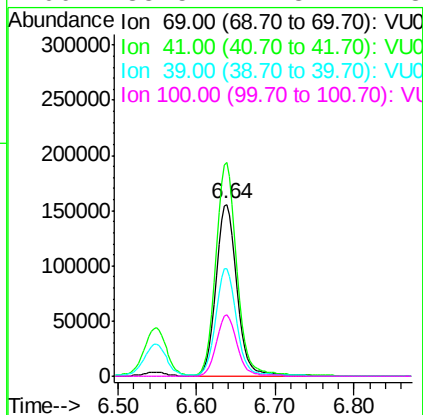
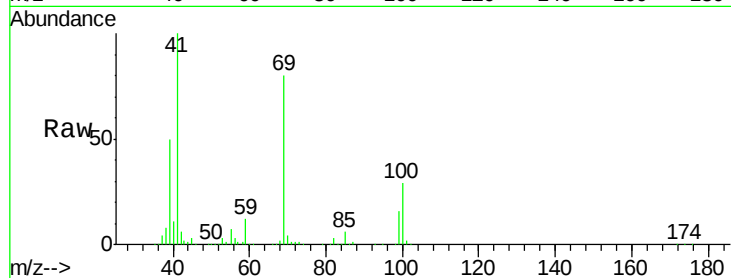




#47
Methyl methacrylate
Concen: 41.32 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

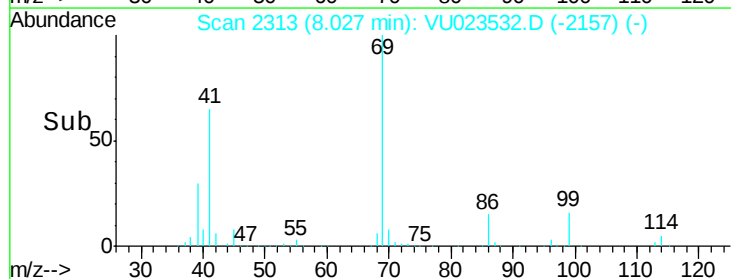
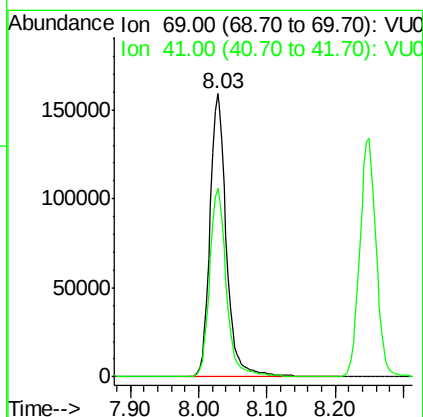
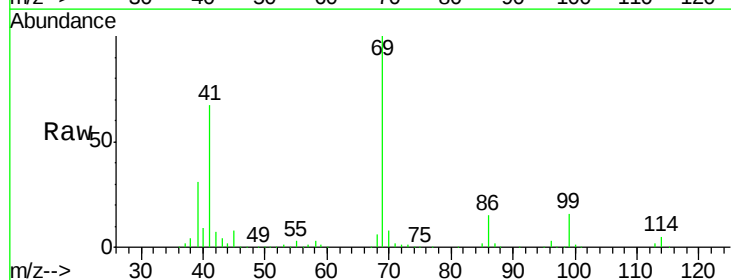
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

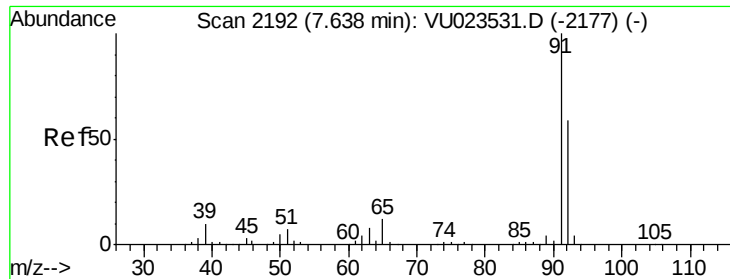
Tgt Ion: 69 Resp: 285899
Ion Ratio Lower Upper
69 100
41 124.4 0.0 245.4
39 62.5 49.0 73.4
100 35.5 27.8 41.8



#48
Ethyl methacrylate
Concen: 21.58 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 69 Resp: 265761
Ion Ratio Lower Upper
69 100
41 67.7 34.2 102.5





#49

Toluene

Concen: 20.95 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

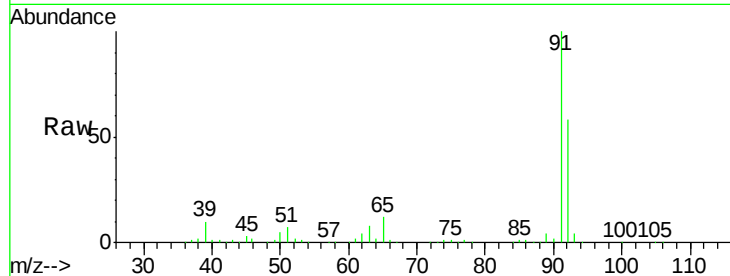
VSTDIC020

Tgt Ion: 92 Resp: 741836

Ion Ratio Lower Upper

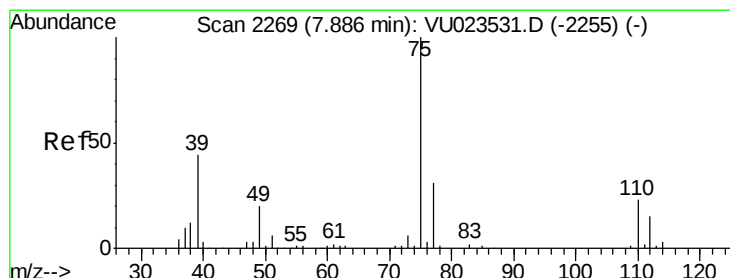
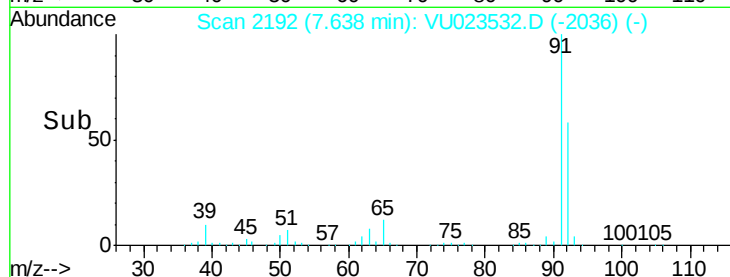
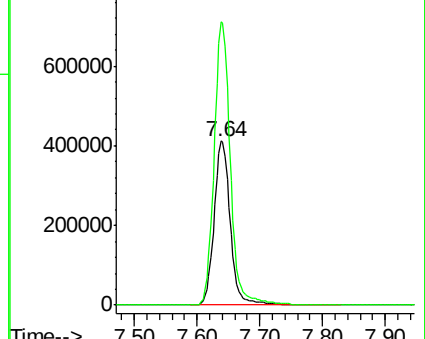
92 100

91 172.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 23.72 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023532.D

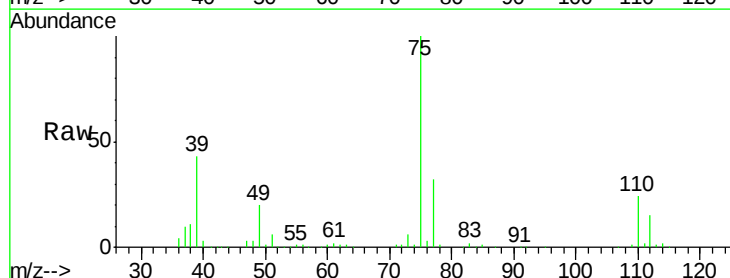
Acq: 30 Apr 2018 17:17

Tgt Ion: 75 Resp: 347885

Ion Ratio Lower Upper

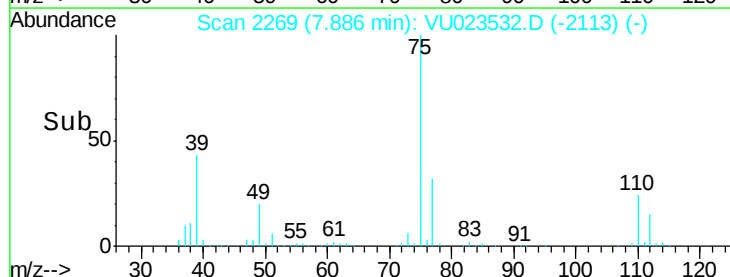
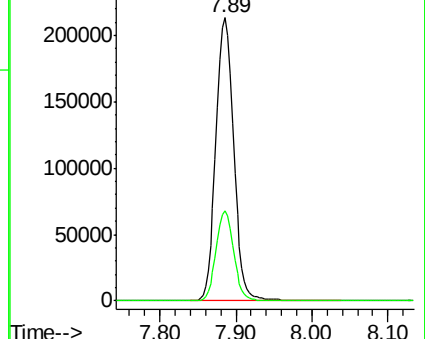
75 100

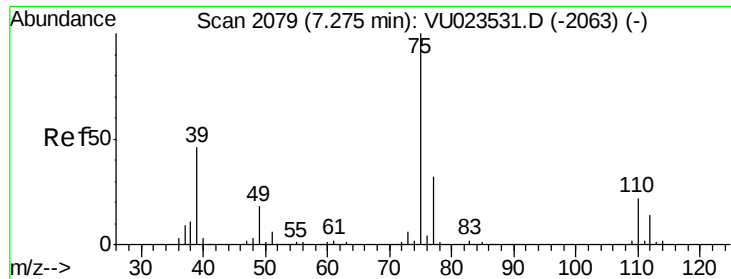
77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



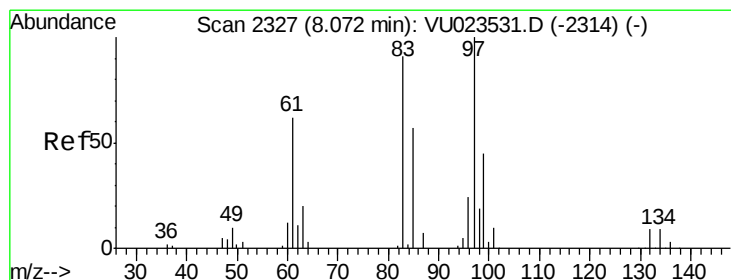
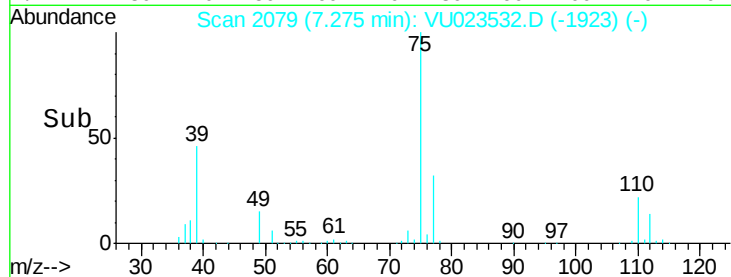
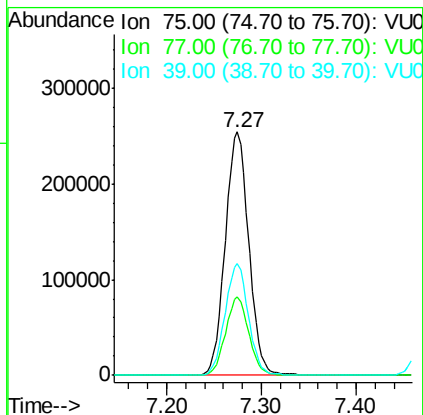
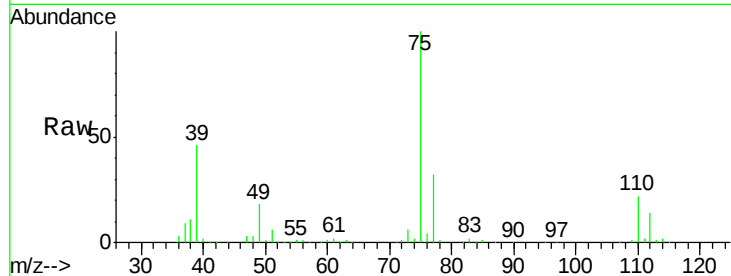


#51

cis-1,3-Dichloropropene
 Concen: 23.34 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

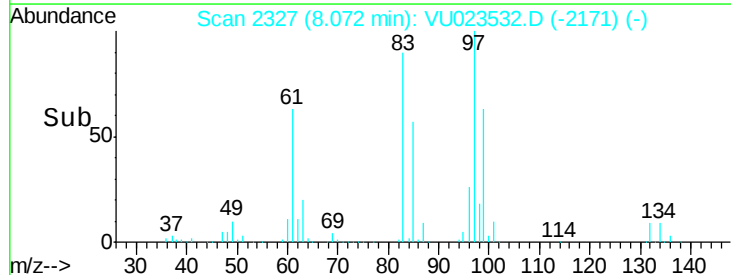
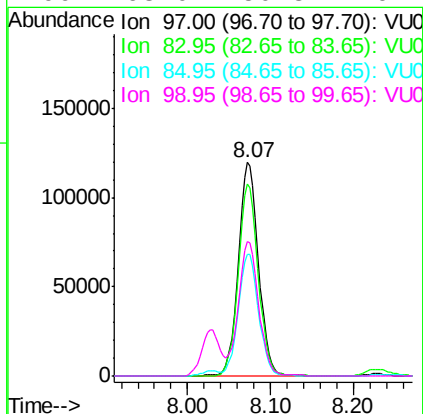
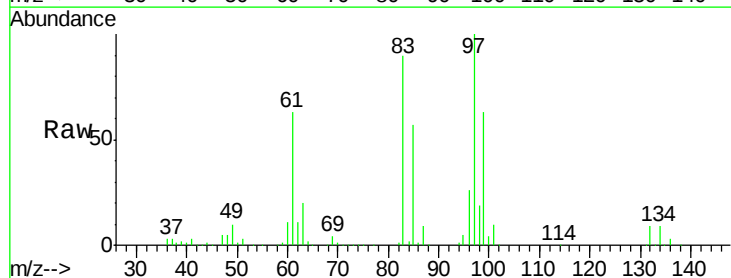
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	45.8	36.4	54.6

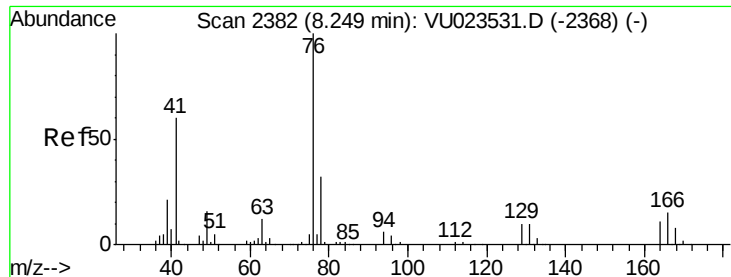


#52

1,1,2-Trichloroethane
 Concen: 19.22 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.6	109.0
85	57.2	47.2	70.8
99	63.0	50.8	76.2

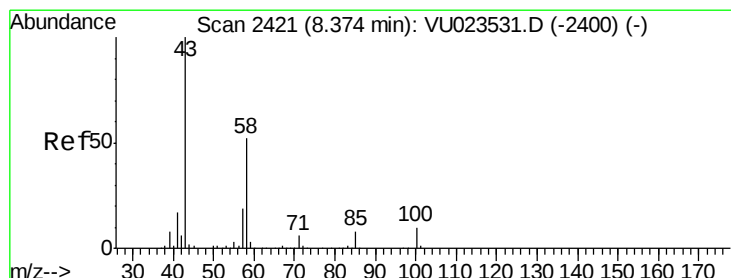
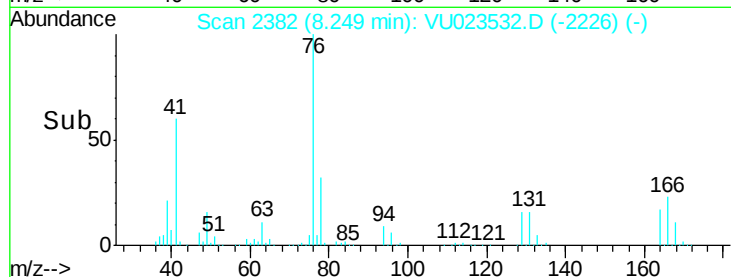
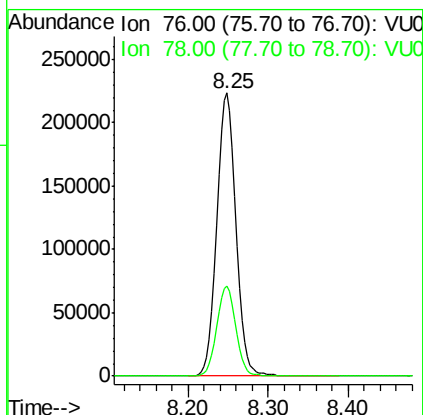
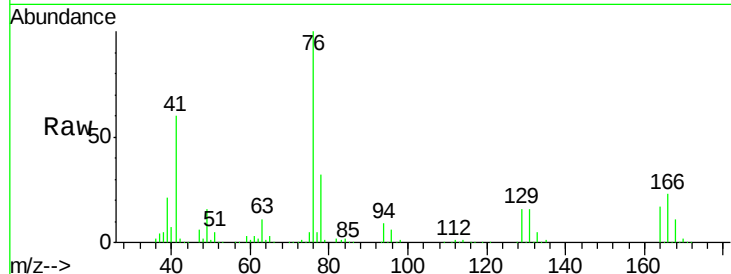




#53
 1,3-Dichloropropane
 Concen: 20.37 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

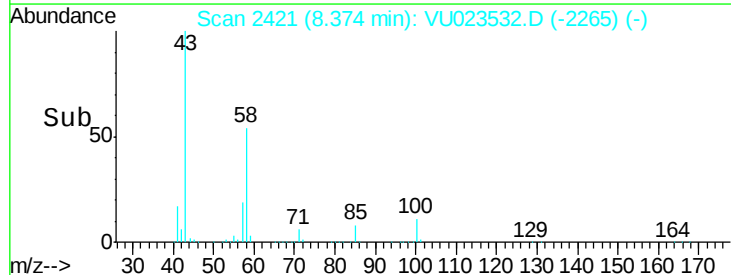
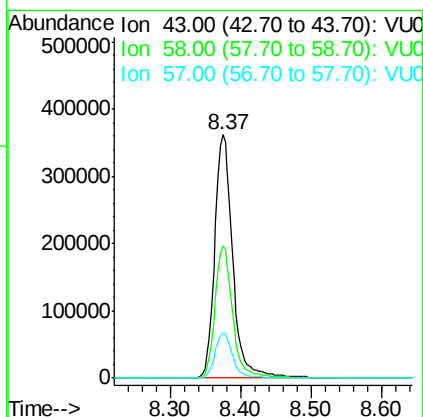
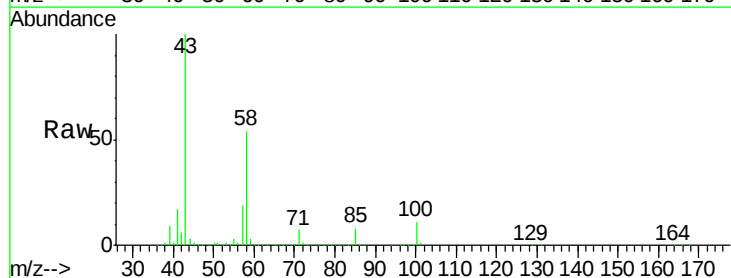
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

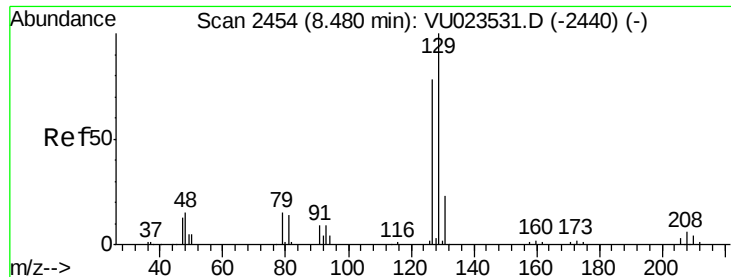
Tgt Ion: 76 Resp: 372195
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#54
 2-Hexanone
 Concen: 111.60 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 43 Resp: 639185
 Ion Ratio Lower Upper
 43 100
 58 53.7 32.5 72.5
 57 18.4 0.0 37.9





#55

Dibromochloromethane

Concen: 21.88 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

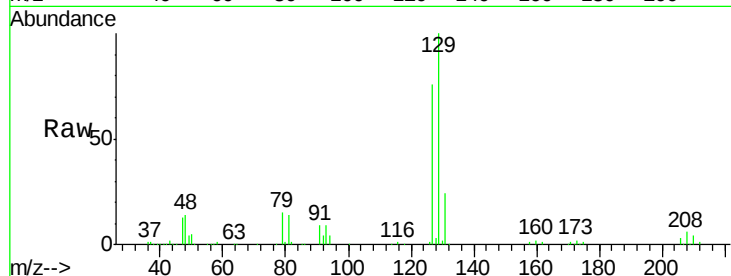
VSTDIC020

Tgt Ion:129 Resp: 239065

Ion Ratio Lower Upper

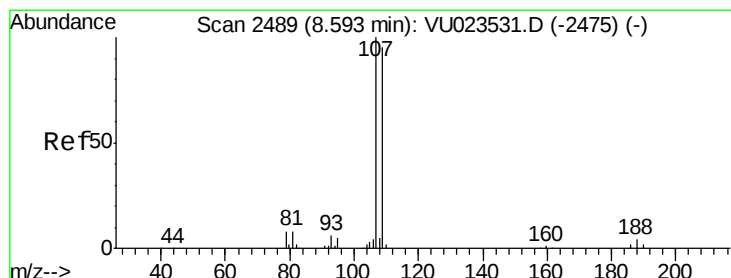
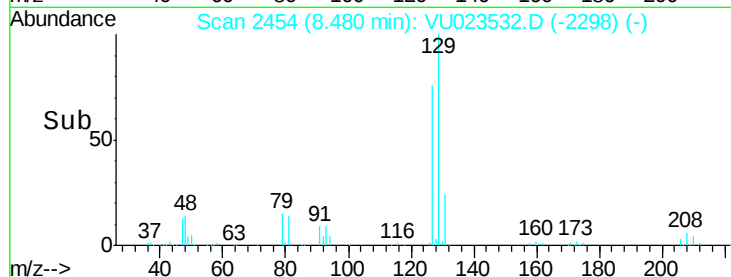
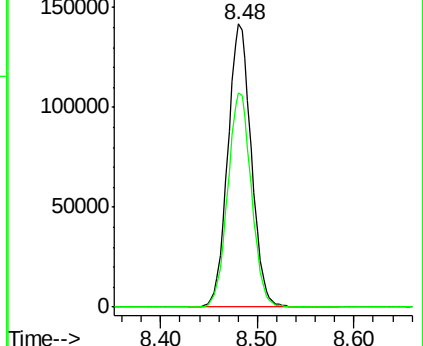
129 100

127 76.1 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 19.46 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU023532.D

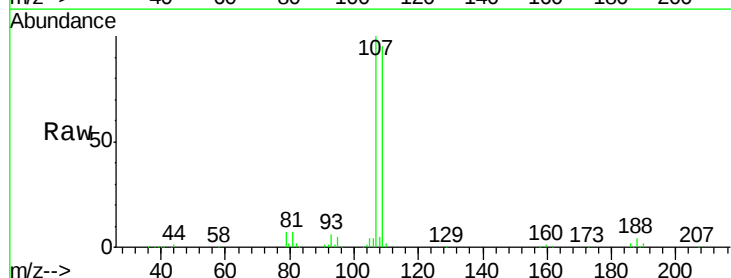
Acq: 30 Apr 2018 17:17

Tgt Ion:107 Resp: 181863

Ion Ratio Lower Upper

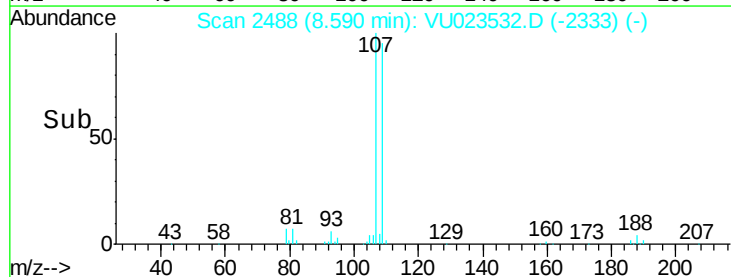
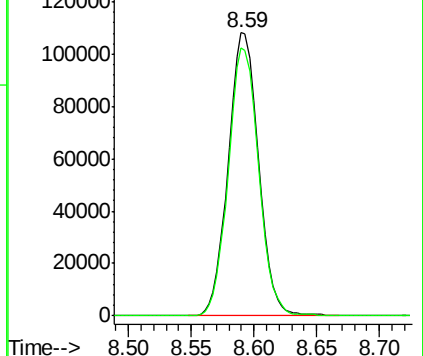
107 100

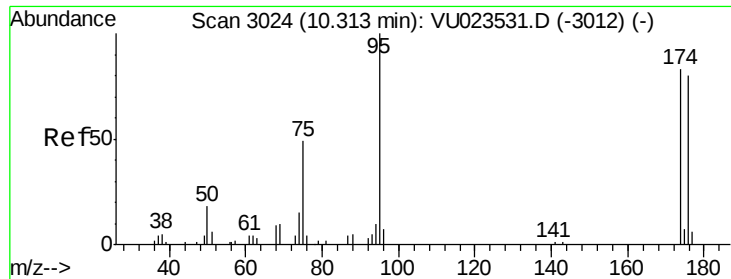
109 95.0 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

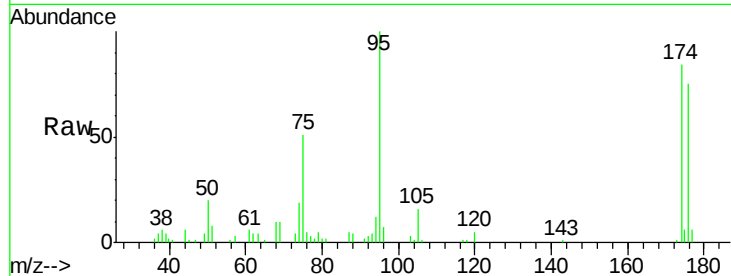




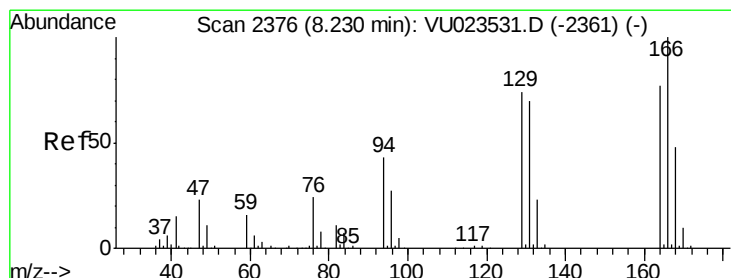
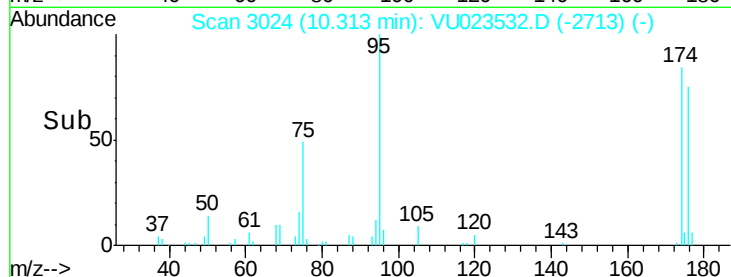
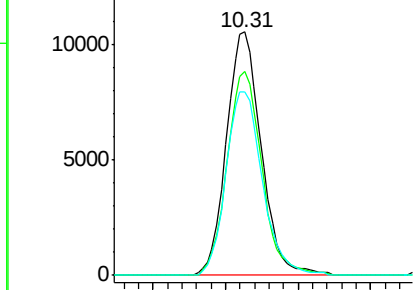
#57
4-Bromofluorobenzene
Concen: 19.46 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 95 Resp: 17538
Ion Ratio Lower Upper
95 100
174 84.0 65.6 98.4
176 79.1 62.0 93.0

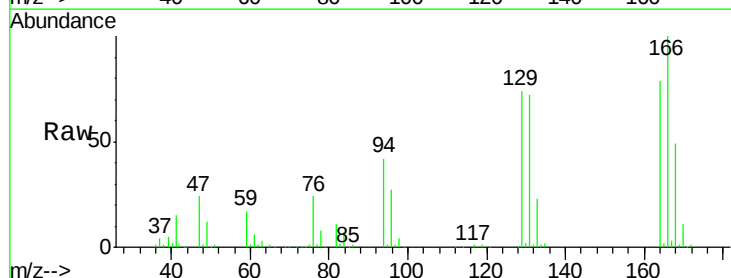


Abundance Ion 95.00 (94.70 to 95.70): VU
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

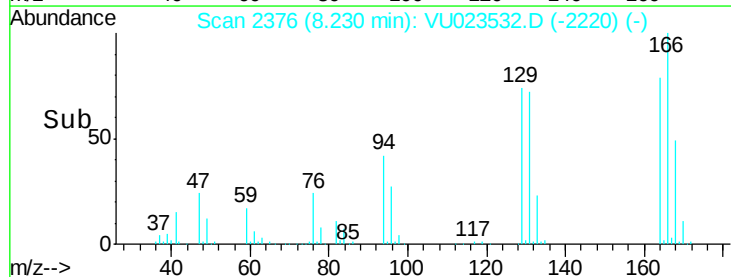
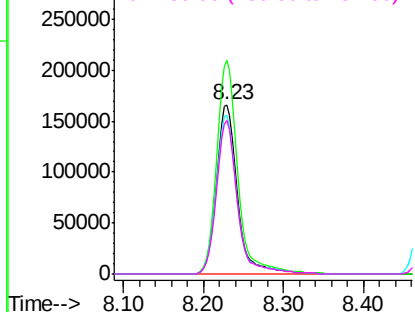


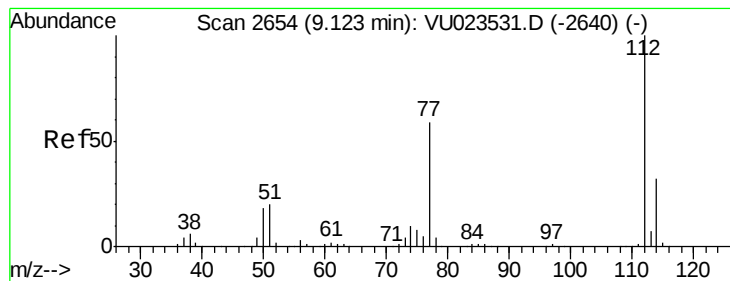
#58
Tetrachloroethene
Concen: 21.20 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 164 Resp: 304459
Ion Ratio Lower Upper
164 100
166 126.0 104.1 156.1
129 93.8 76.8 115.2
131 90.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 19.89 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

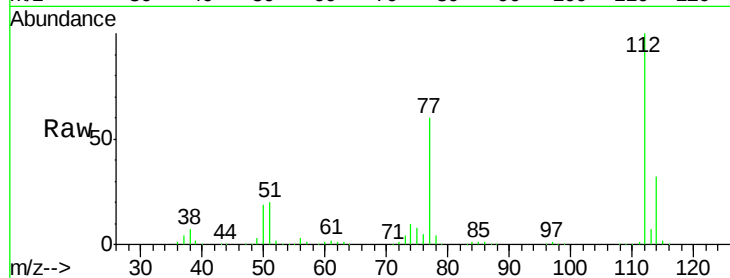
VSTDIC020

Tgt Ion:112 Resp: 772790

Ion Ratio Lower Upper

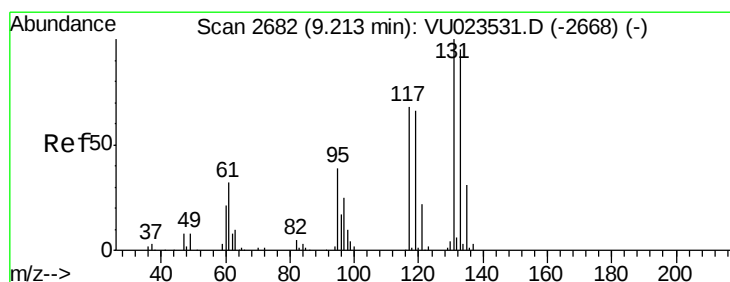
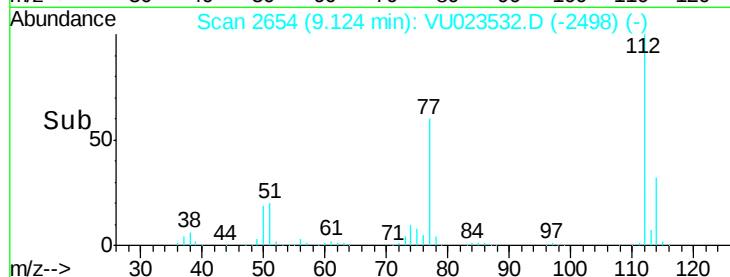
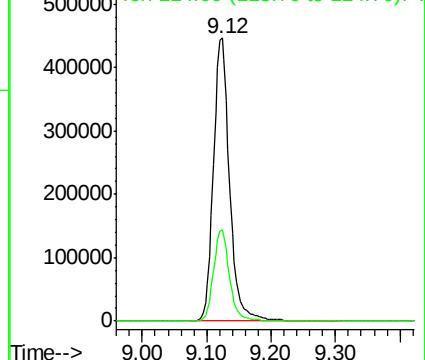
112 100

114 32.4 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 20.00 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

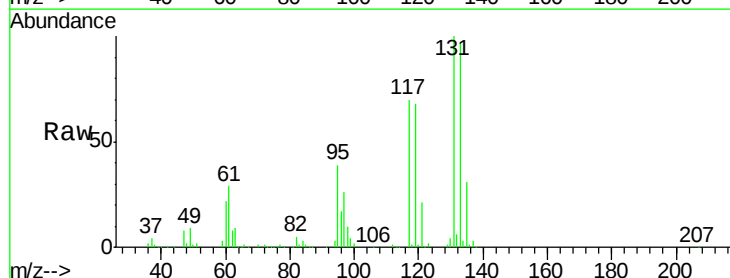
Tgt Ion:131 Resp: 261972

Ion Ratio Lower Upper

131 100

133 96.1 75.8 113.8

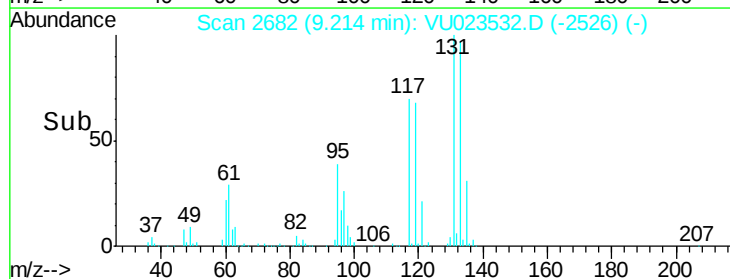
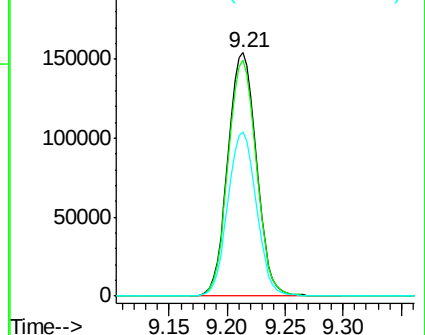
119 67.5 53.0 79.6

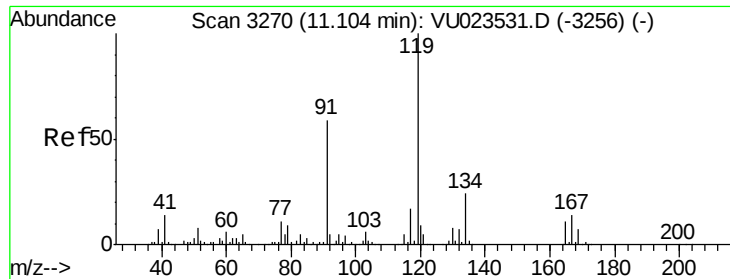


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 18.50 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

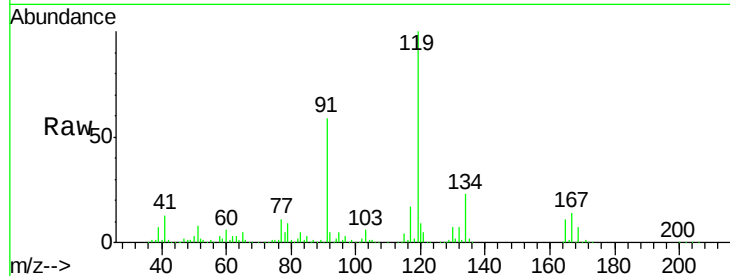
VSTDIC020

Tgt Ion:117 Resp: 175427

Ion Ratio Lower Upper

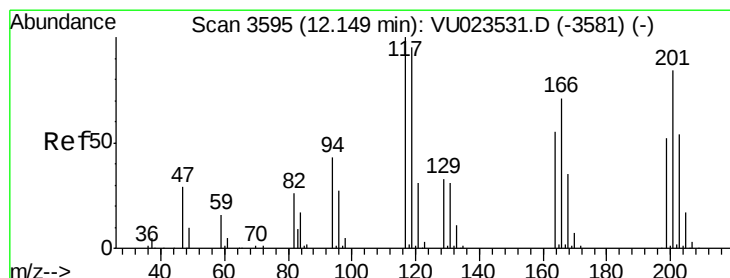
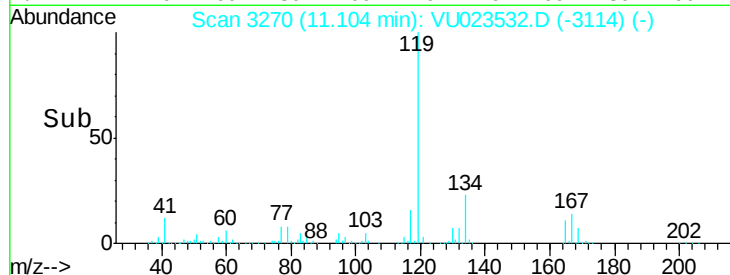
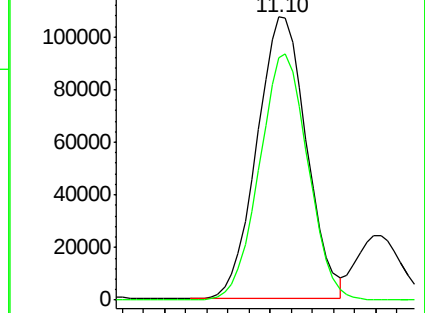
117 100

167 85.6 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 20.81 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023532.D

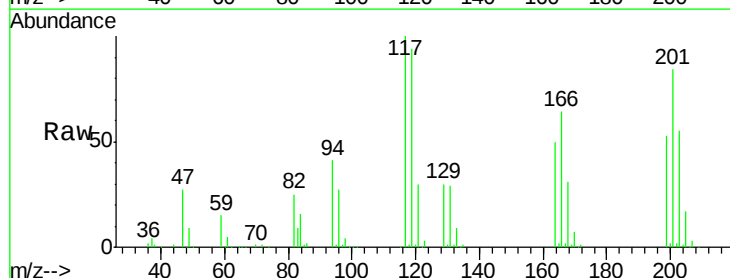
Acq: 30 Apr 2018 17:17

Tgt Ion:117 Resp: 177547

Ion Ratio Lower Upper

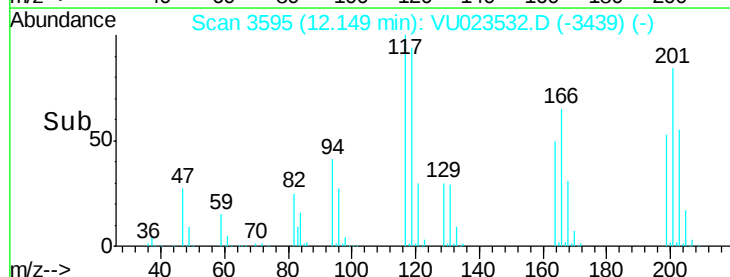
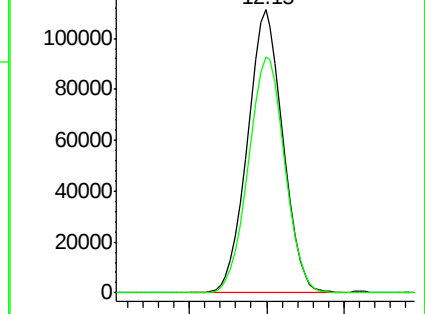
117 100

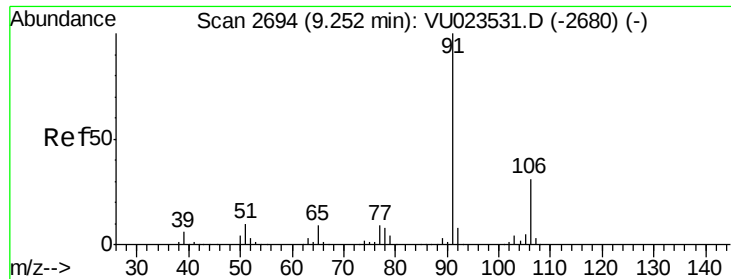
201 85.7 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

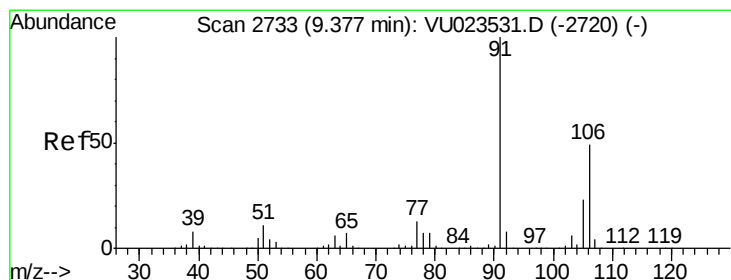
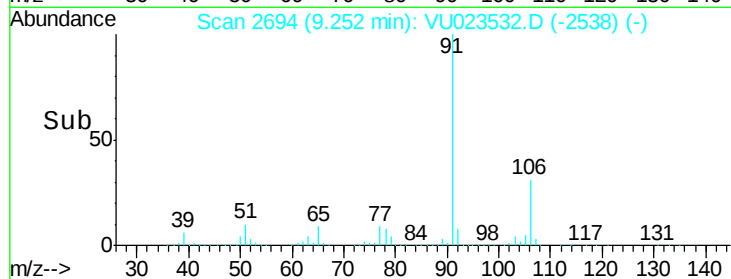
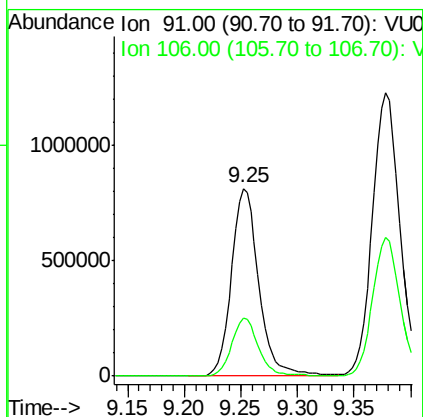
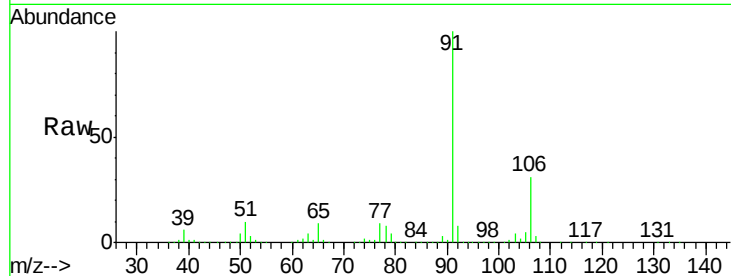




#63
Ethyl Benzene
Concen: 21.42 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

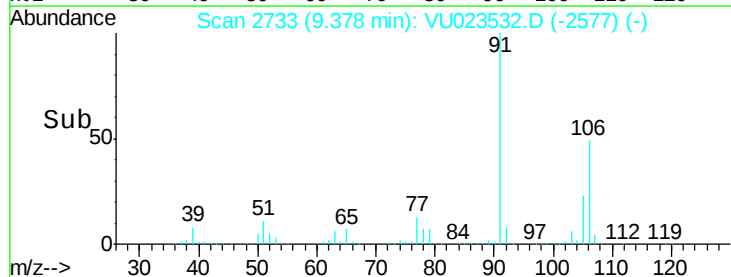
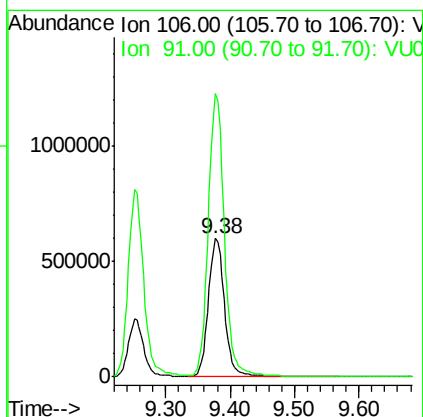
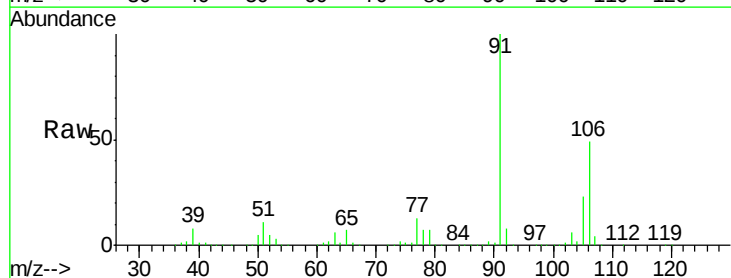
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

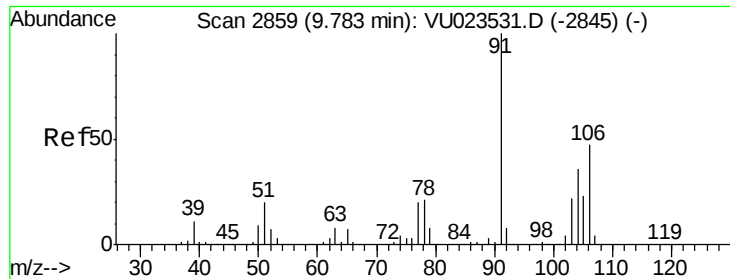
Tgt Ion: 91 Resp: 1372703
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#64
m/p-Xylenes
Concen: 42.19 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 106 Resp: 1045904
Ion Ratio Lower Upper
106 100
91 204.0 164.1 246.1

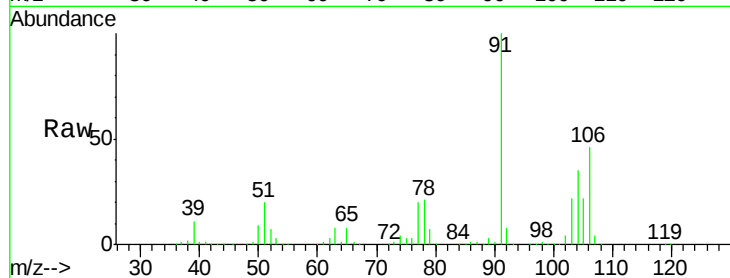




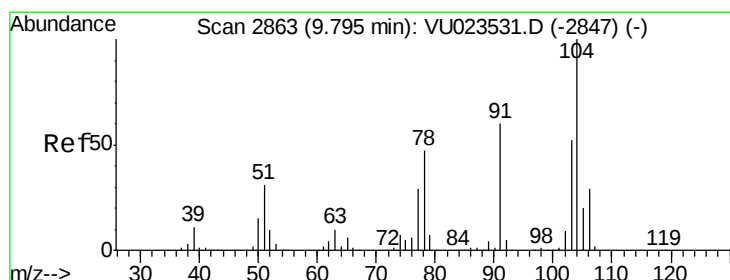
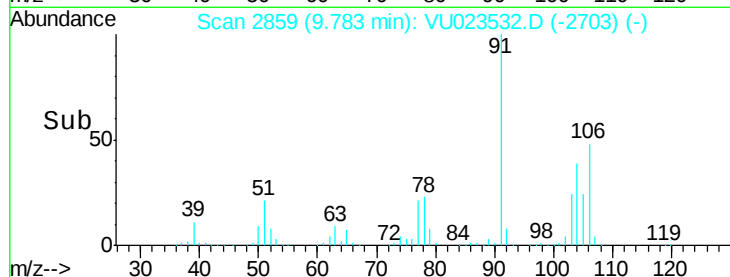
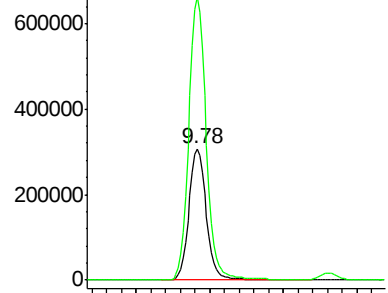
#65
o-Xylene
Concen: 20.58 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 503108
Ion Ratio Lower Upper
106 100
91 215.1 107.9 323.7

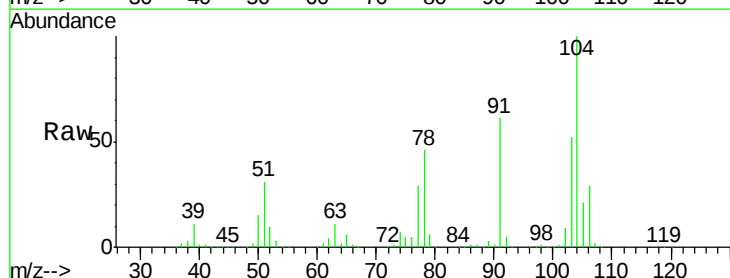


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

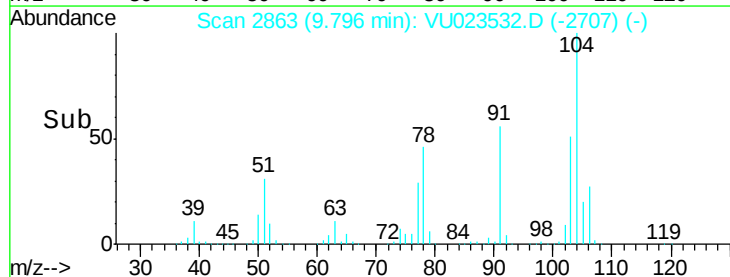
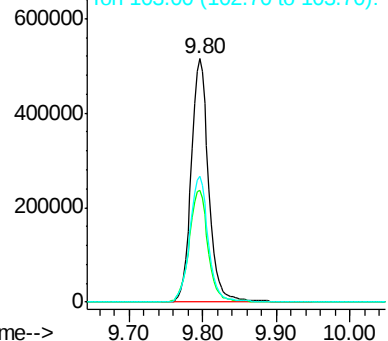


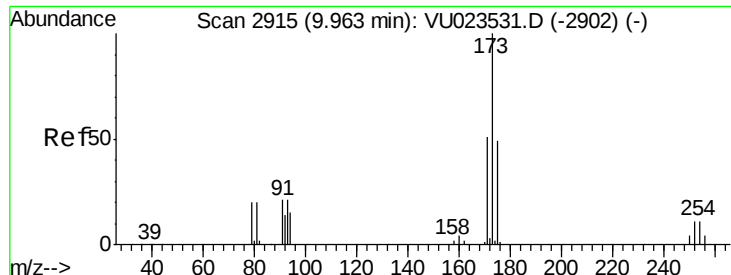
#66
Styrene
Concen: 20.94 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:104 Resp: 845305
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 55.0 44.2 66.4



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

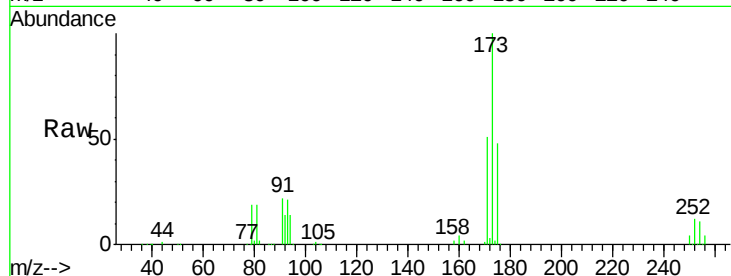




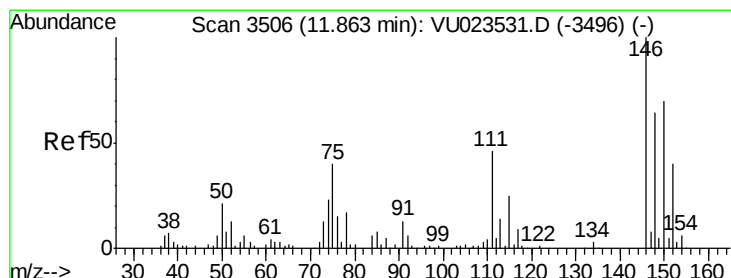
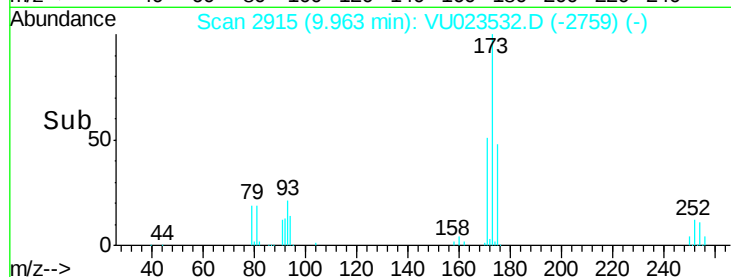
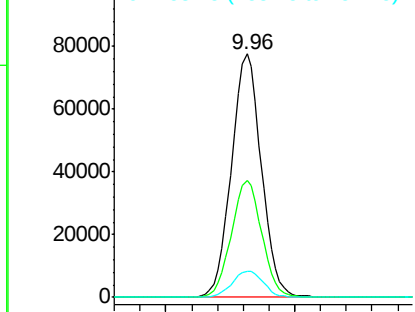
#67
Bromoform
Concen: 21.07 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 125322
Ion Ratio Lower Upper
173 100
175 48.7 38.6 57.8
254 11.3 8.8 13.2

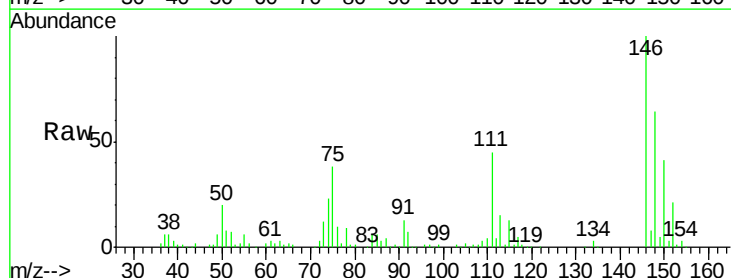


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

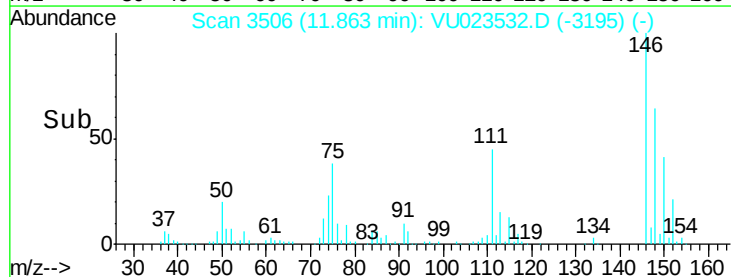
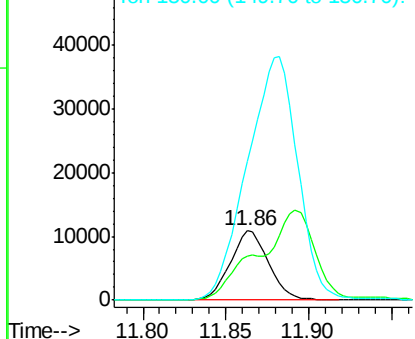


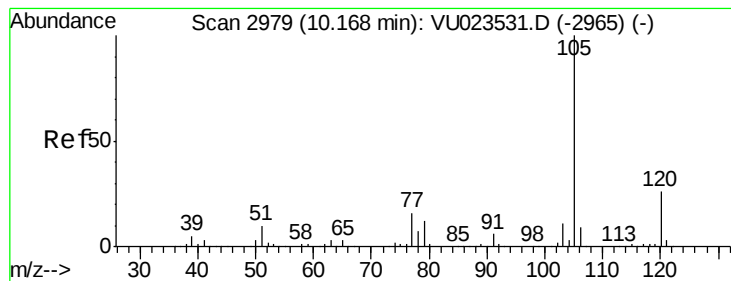
#68
1,2-Dichlorobenzene-d4
Concen: 21.07 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:152 Resp: 17415
Ion Ratio Lower Upper
152 100
115 49.2 0.0 118.8
150 0.0 0.0 0.0



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





#69

Isopropylbenzene

Concen: 21.12 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

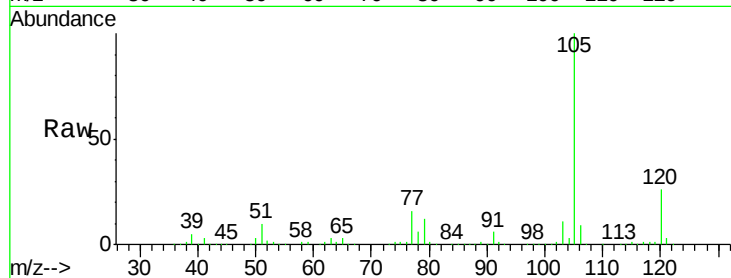
VSTDIC020

Tgt Ion:105 Resp: 1288516

Ion Ratio Lower Upper

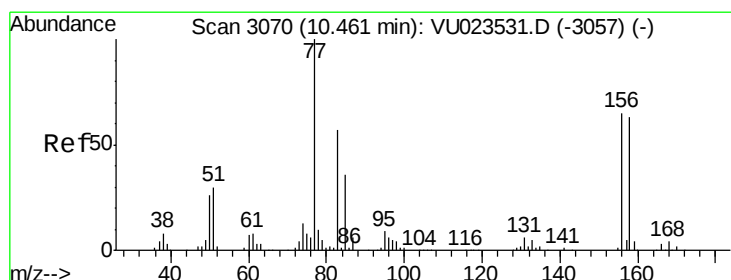
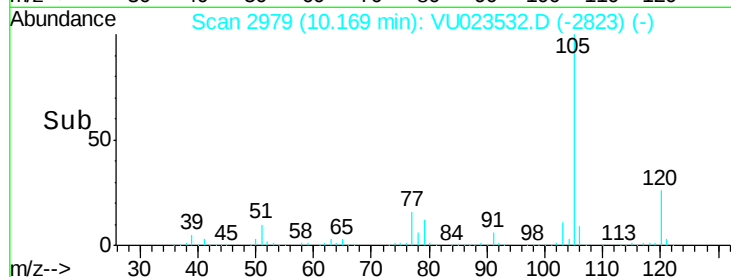
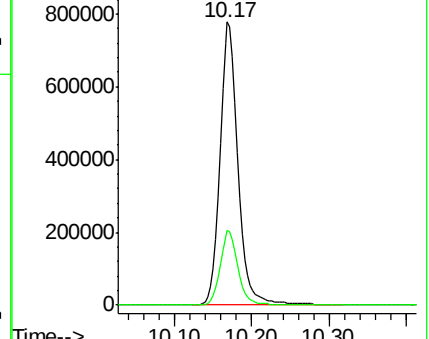
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 18.25 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

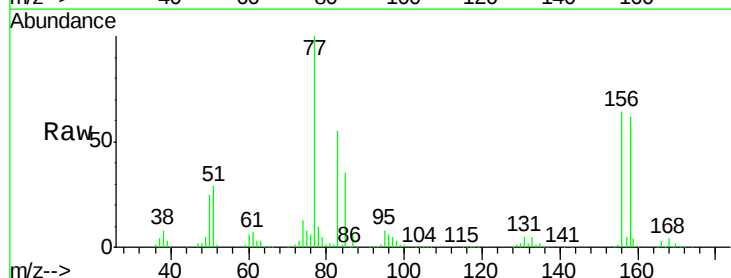
Tgt Ion: 83 Resp: 232280

Ion Ratio Lower Upper

83 100

131 9.6 7.9 11.9

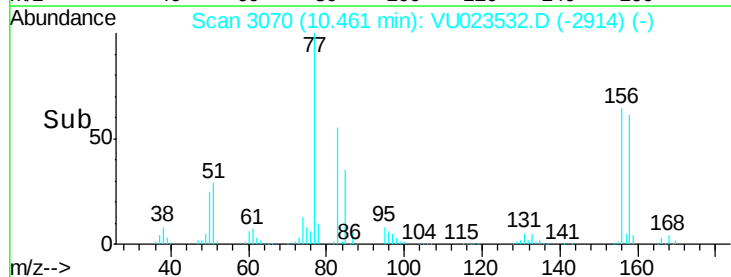
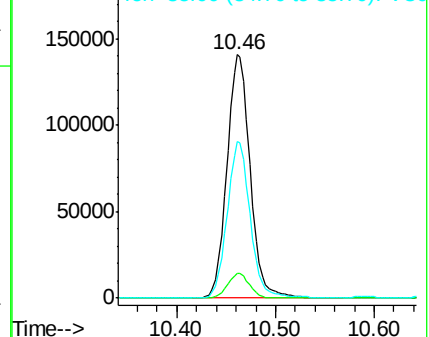
85 64.1 51.8 77.6

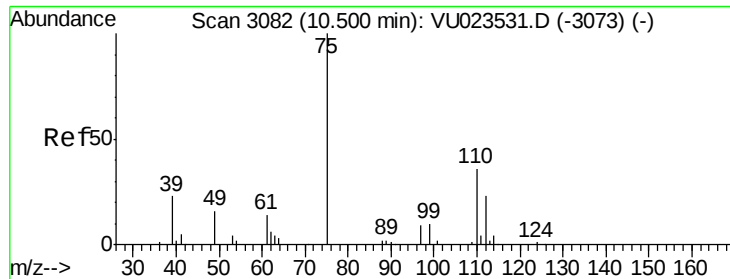


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

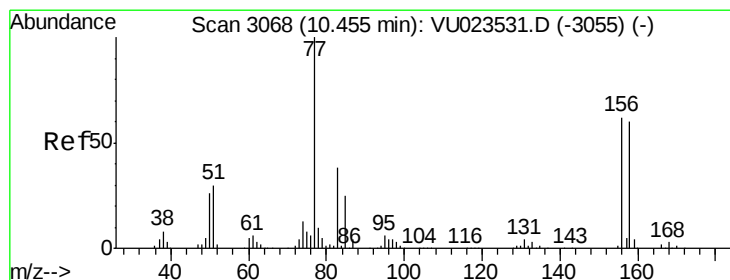
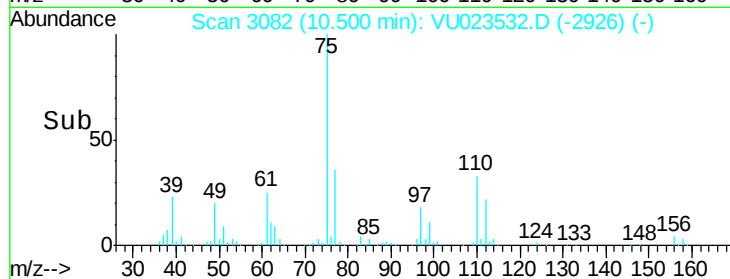
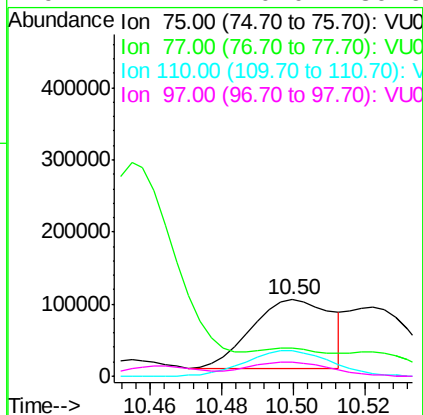
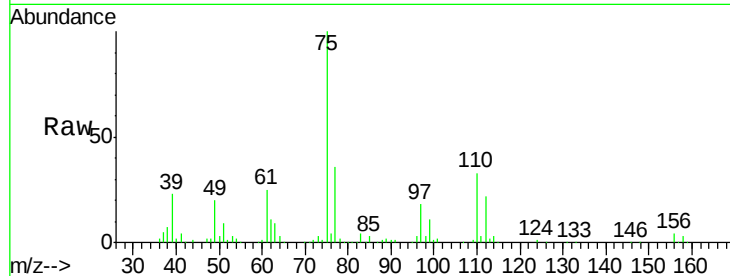




#71
 1,2,3-Trichloropropane
 Concen: 15.65 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

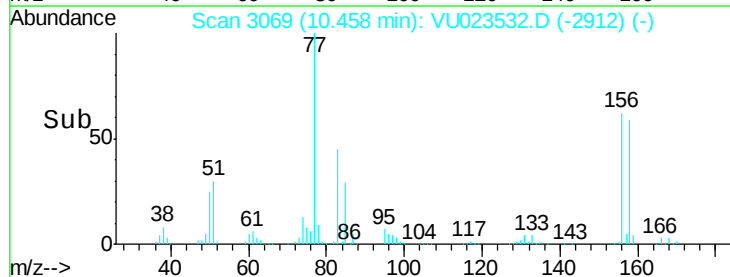
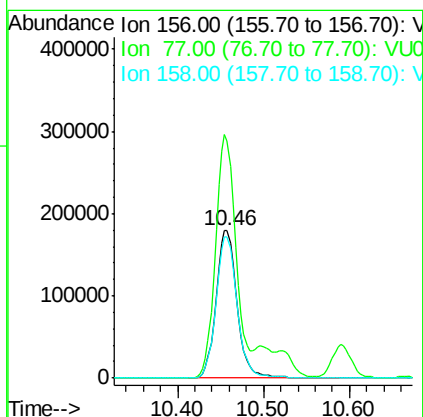
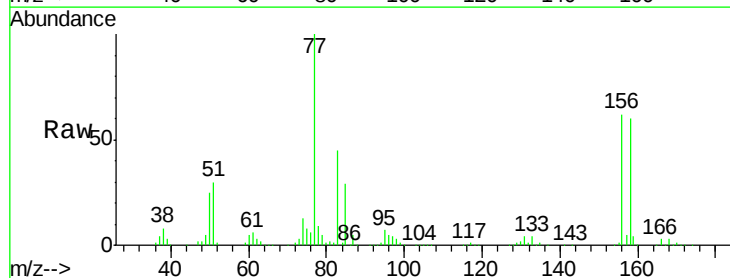
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

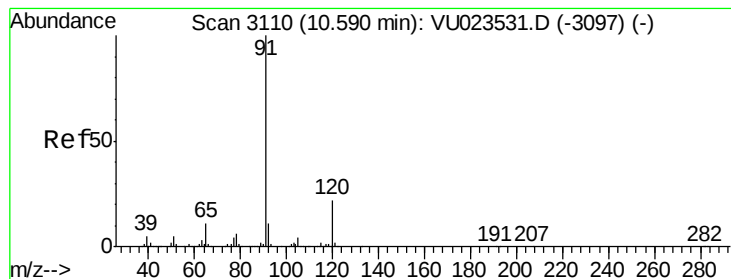
Tgt Ion:	75	Resp:	147000
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.7	0.0	74.0
97	21.2	0.0	39.6



#72
 Bromobenzene
 Concen: 18.60 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion:	156	Resp:	305163
Ion	Ratio	Lower	Upper
156	100		
77	161.2	0.0	309.8
158	97.2	0.0	193.0





#73

n-propylbenzene

Concen: 21.11 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

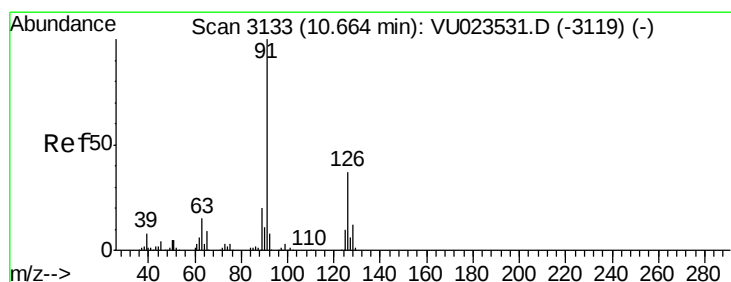
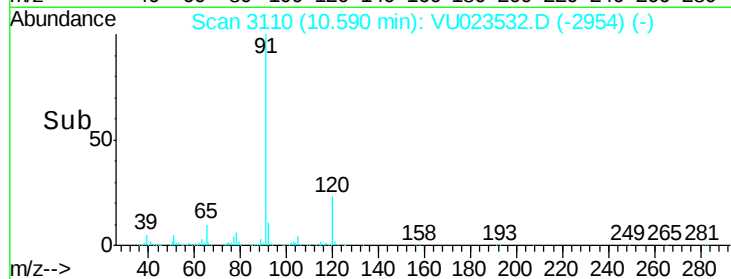
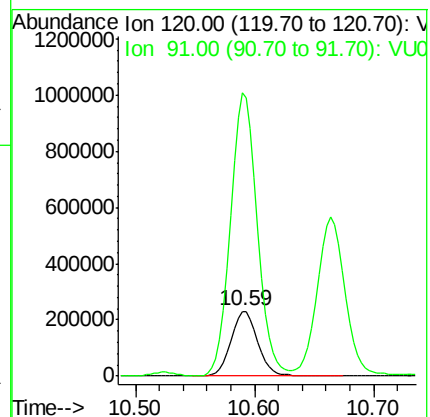
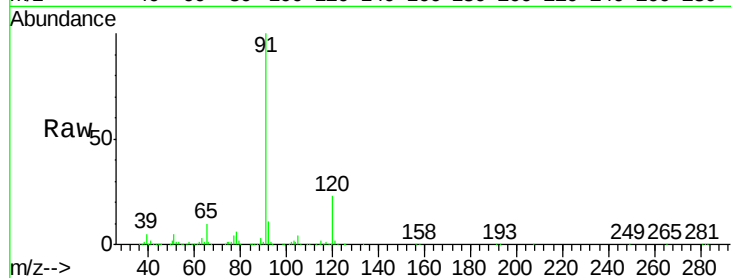
VSTDIC020

Tgt Ion:120 Resp: 361698

Ion Ratio Lower Upper

120 100

91 434.3 352.2 528.4



#74

2-Chlorotoluene

Concen: 19.46 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023532.D

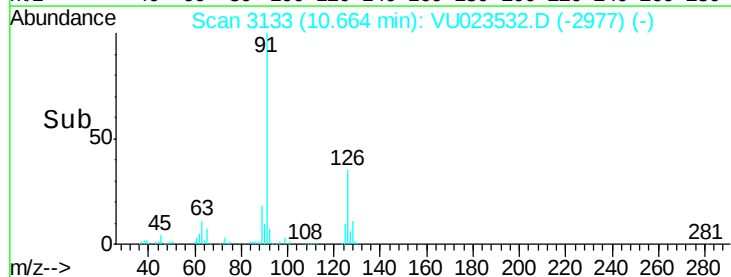
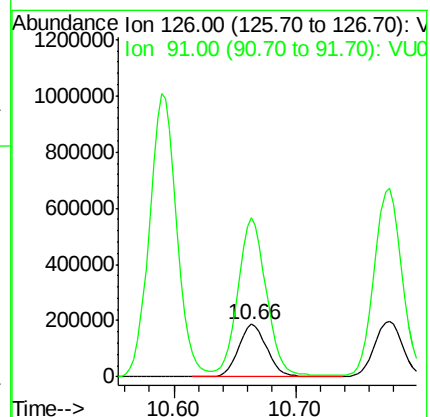
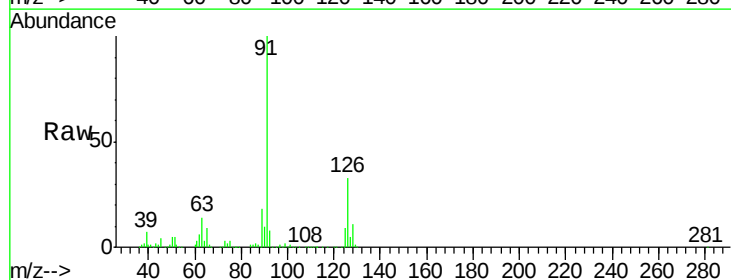
Acq: 30 Apr 2018 17:17

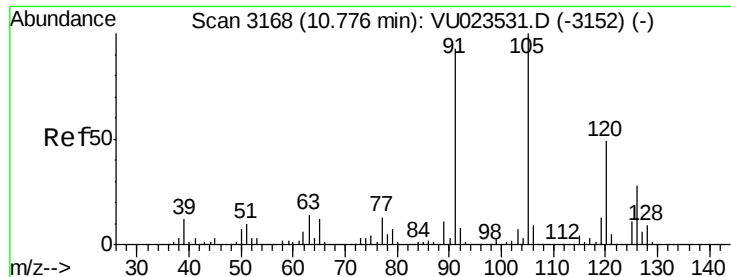
Tgt Ion:126 Resp: 301899

Ion Ratio Lower Upper

126 100

91 308.3 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 20.76 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

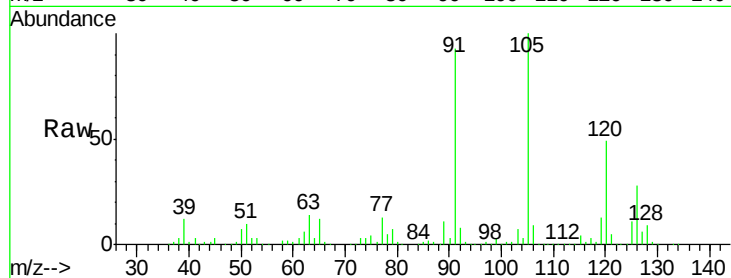
VSTDIC020

Tgt Ion:105 Resp: 1087866

Ion Ratio Lower Upper

105 100

120 48.6 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

800000

600000

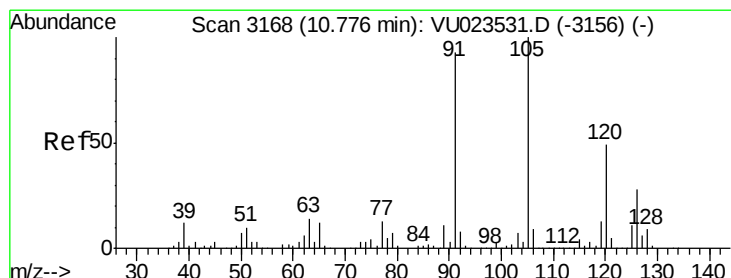
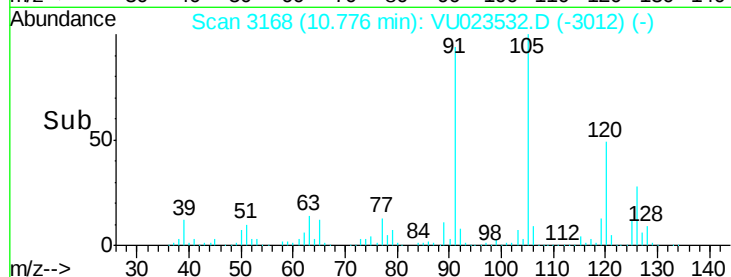
400000

200000

0

10.70 10.80 10.90

Time-->



#76

4-Chlorotoluene

Concen: 19.78 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023532.D

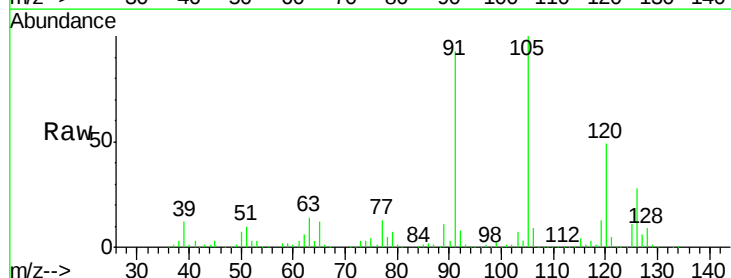
Acq: 30 Apr 2018 17:17

Tgt Ion:126 Resp: 317383

Ion Ratio Lower Upper

126 100

91 337.3 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.78

800000

600000

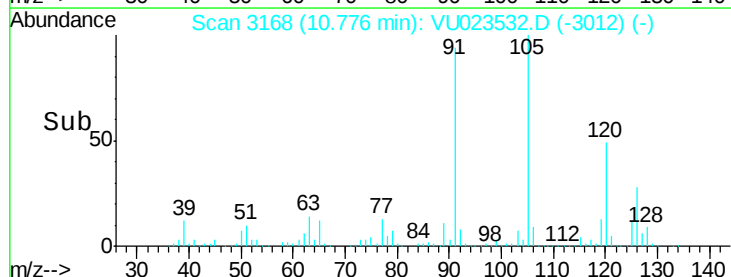
400000

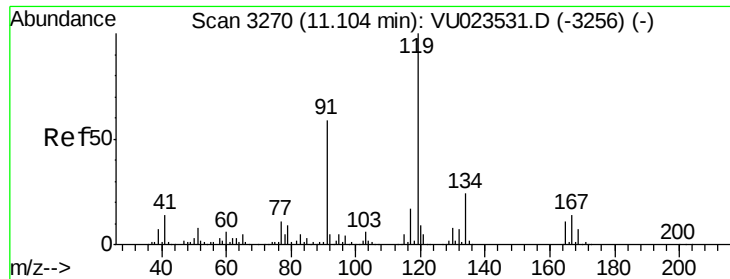
200000

0

10.70 10.80 10.90

Time-->





#77

tert-Butylbenzene

Concen: 20.26 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

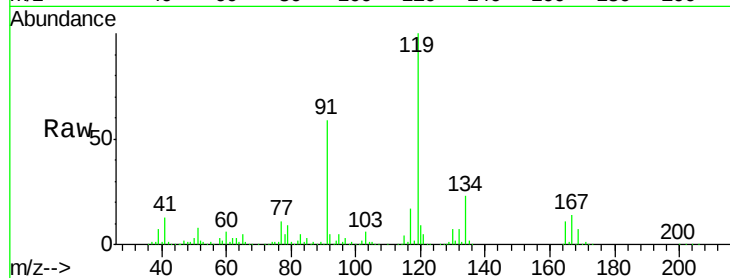
Tgt Ion:119 Resp: 1004656

Ion Ratio Lower Upper

119 100

91 58.9 29.6 88.8

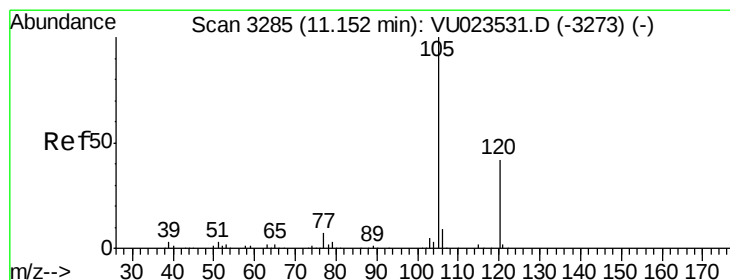
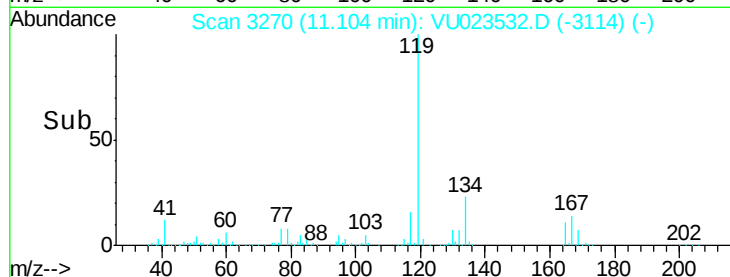
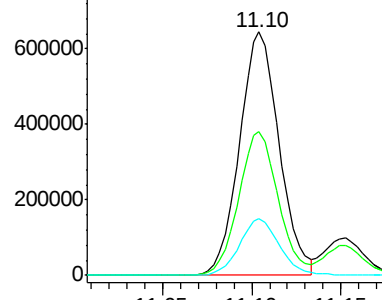
134 23.7 19.1 28.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 20.60 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU023532.D

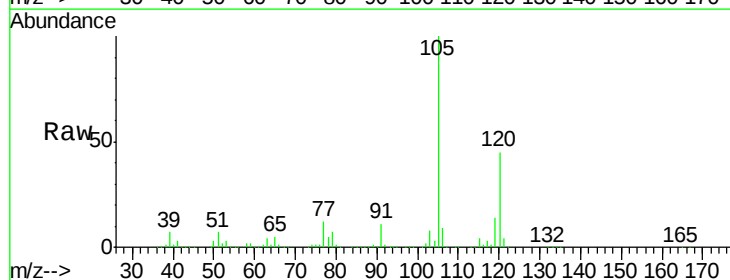
Acq: 30 Apr 2018 17:17

Tgt Ion:105 Resp: 1104075

Ion Ratio Lower Upper

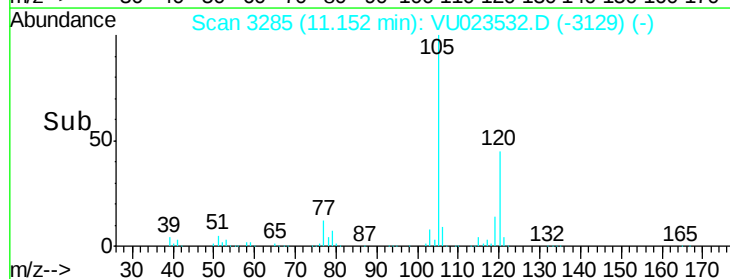
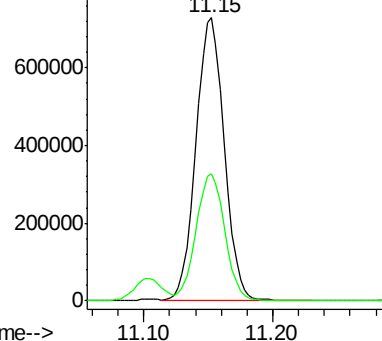
105 100

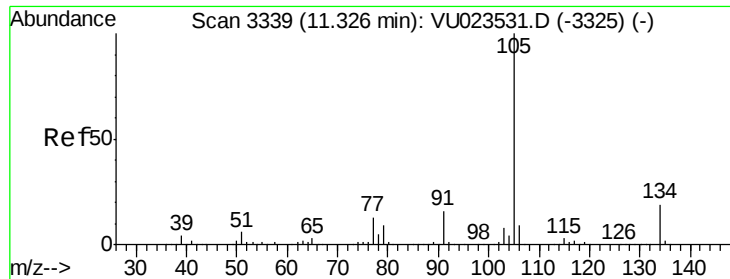
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 21.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

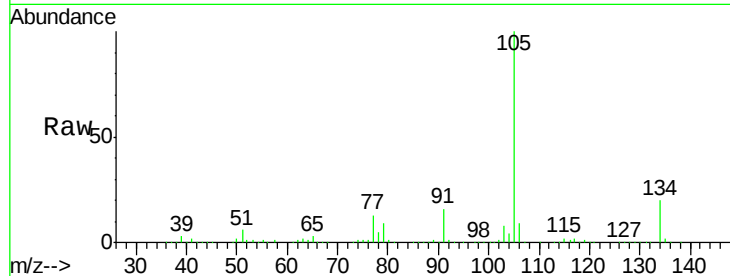
VSTDIC020

Tgt Ion:105 Resp: 1409492

Ion Ratio Lower Upper

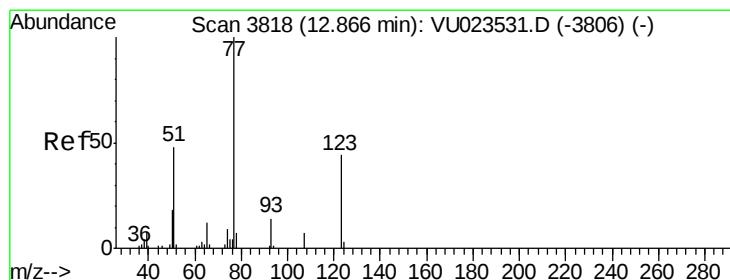
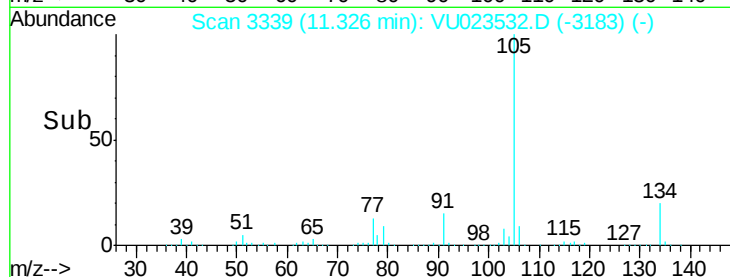
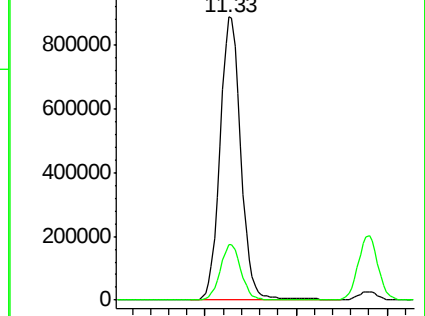
105 100

134 19.7 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 170.40 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

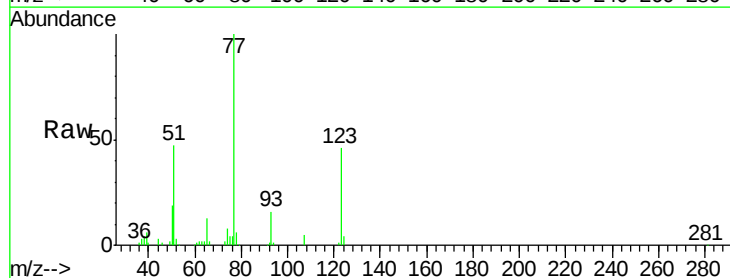
Tgt Ion: 77 Resp: 49130

Ion Ratio Lower Upper

77 100

123 45.4 19.4 68.6

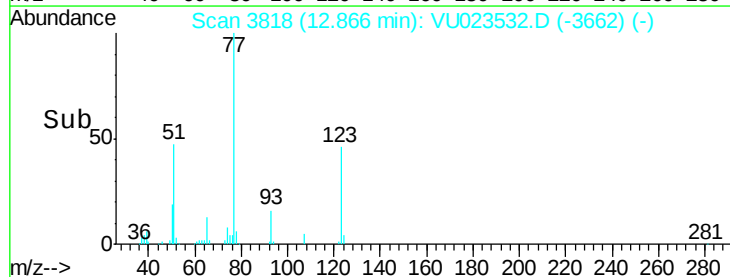
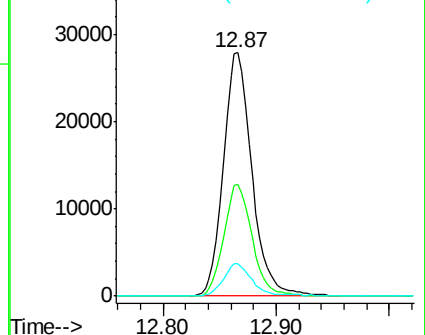
65 12.2 11.2 14.2

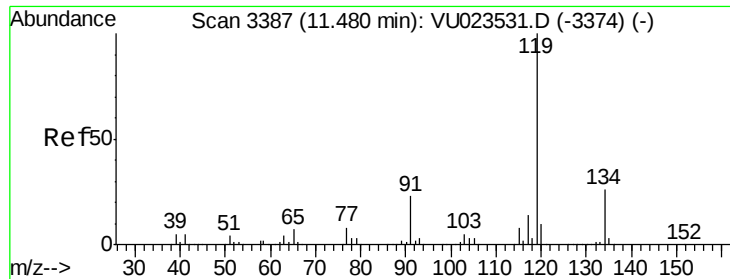


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

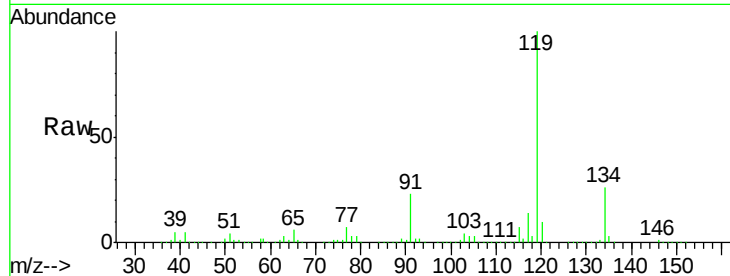




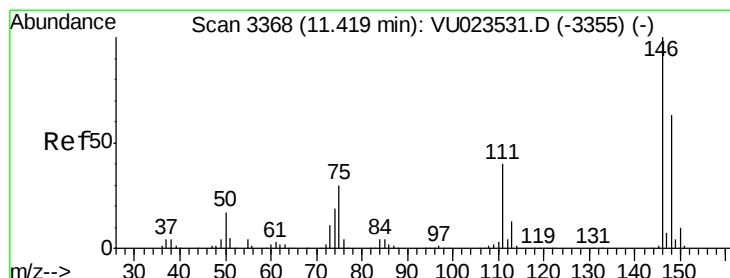
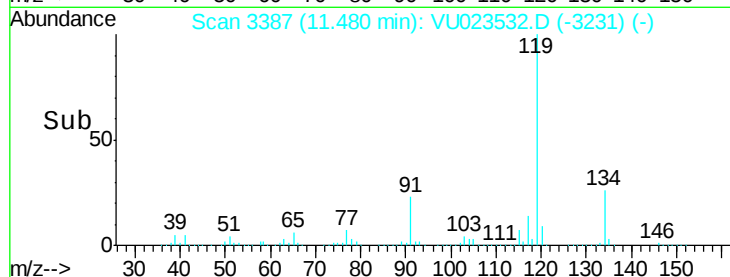
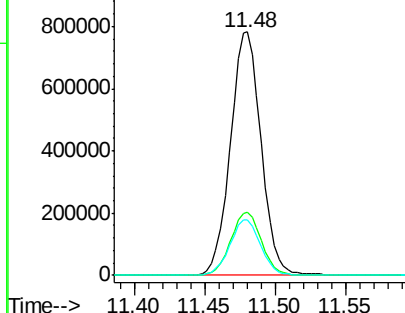
#81
p-Isopropyltoluene
Concen: 21.16 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tgt Ion:119 Resp: 1185989
Ion Ratio Lower Upper
119 100
134 25.9 20.9 31.3
91 22.7 18.2 27.2

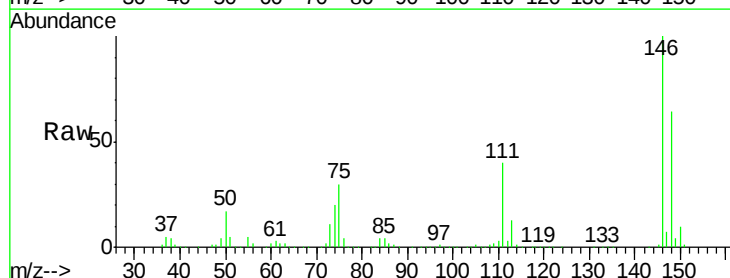


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

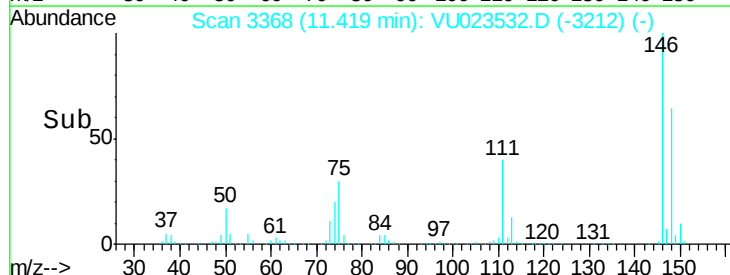
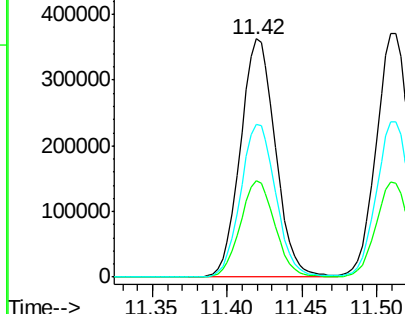


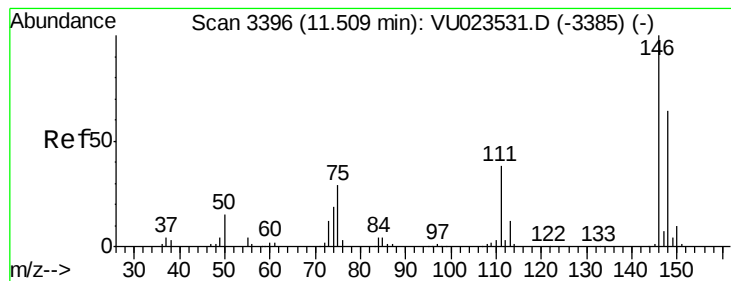
#82
1,3-Dichlorobenzene
Concen: 18.55 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:146 Resp: 592202
Ion Ratio Lower Upper
146 100
111 40.1 31.8 47.6
148 64.4 51.0 76.4



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: 18.46 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

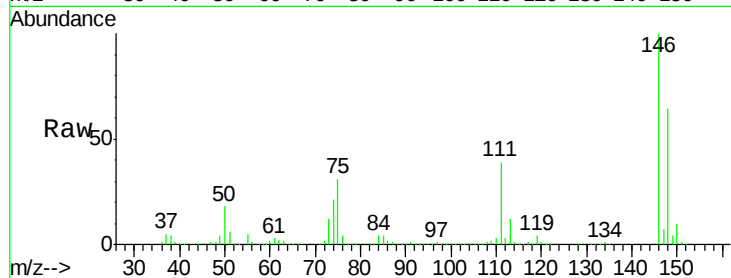
Tgt Ion:146 Resp: 594250

Ion Ratio Lower Upper

146 100

111 38.6 30.1 45.1

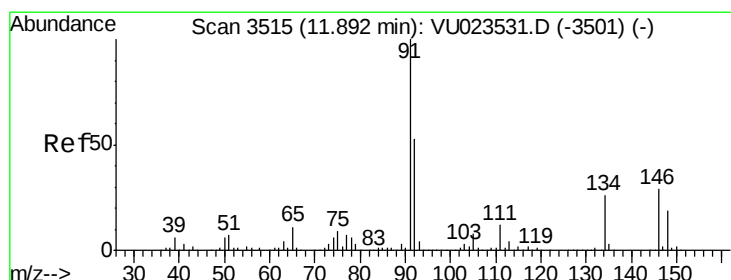
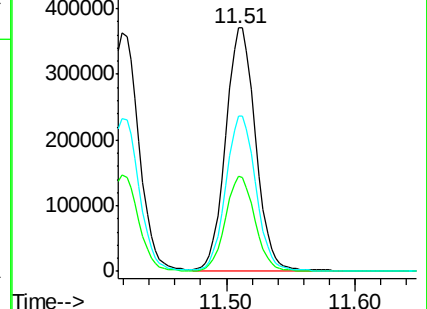
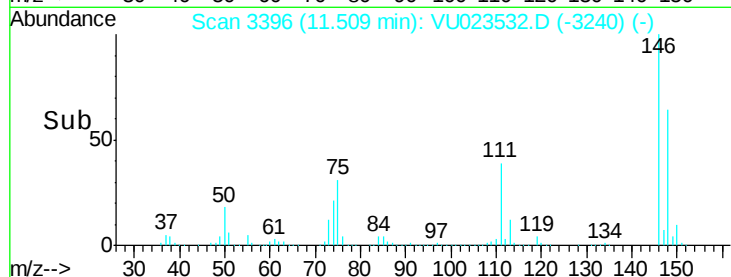
148 64.2 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 22.06 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

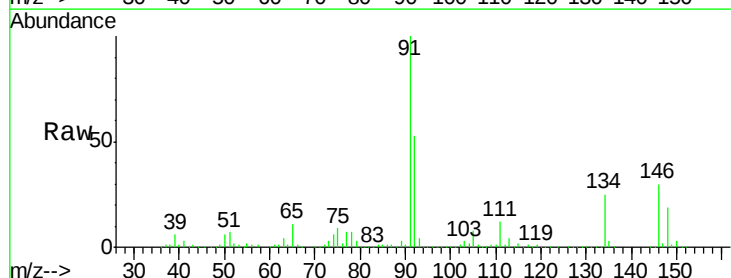
Tgt Ion: 91 Resp: 1173472

Ion Ratio Lower Upper

91 100

92 52.7 42.2 63.2

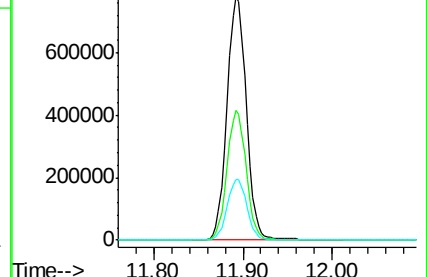
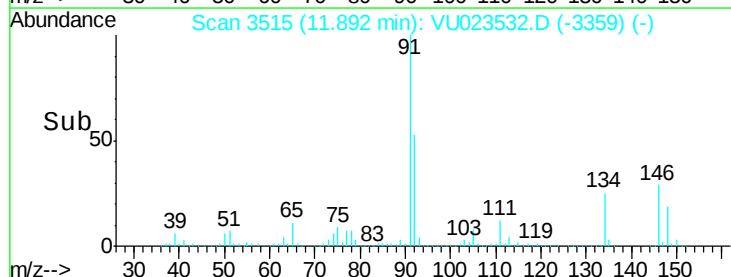
134 25.3 20.3 30.5

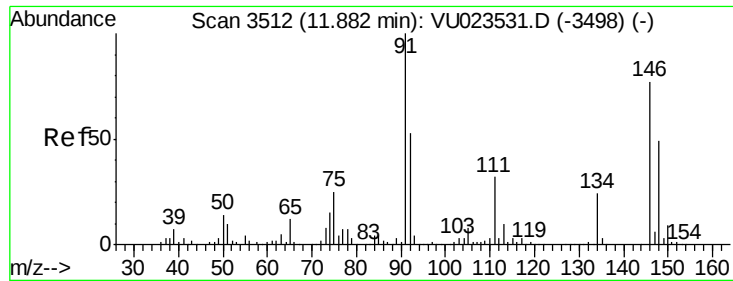


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

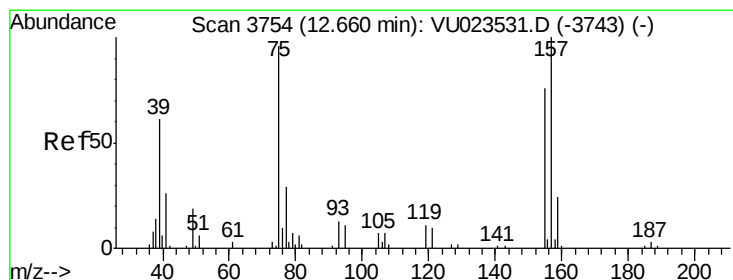
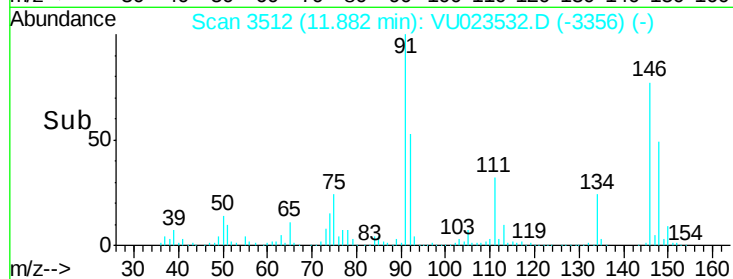
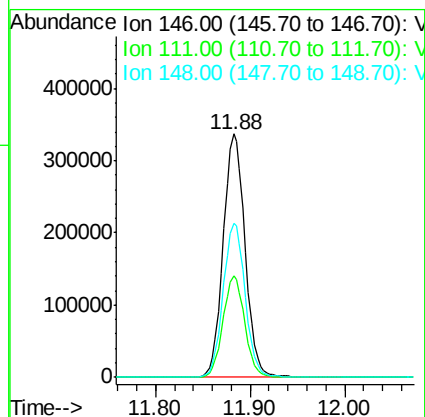
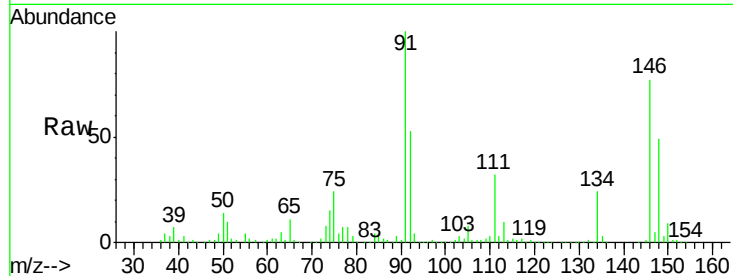




#85
 1,2-Dichlorobenzene
 Concen: 18.22 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

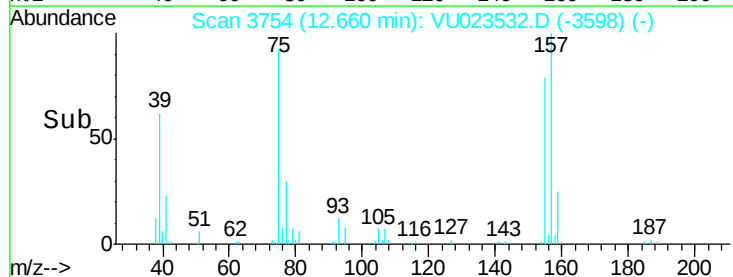
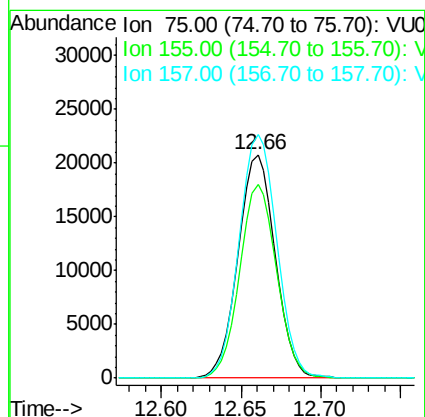
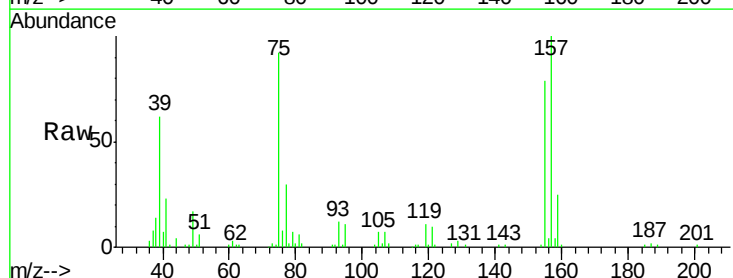
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

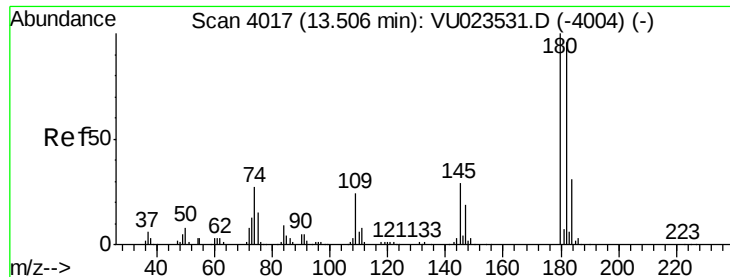
Tgt Ion: 146 Resp: 542235
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.7 62.1
 148 63.8 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 19.25 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion: 75 Resp: 32876
 Ion Ratio Lower Upper
 75 100
 155 86.0 65.8 98.6
 157 110.7 83.5 125.3

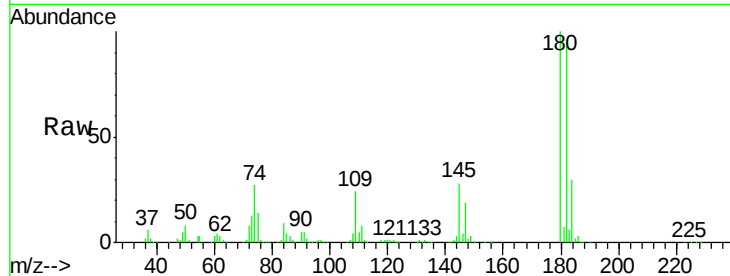




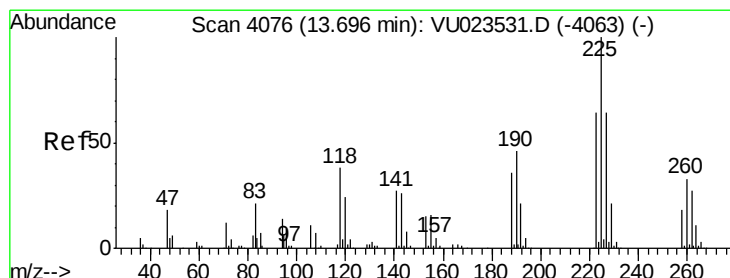
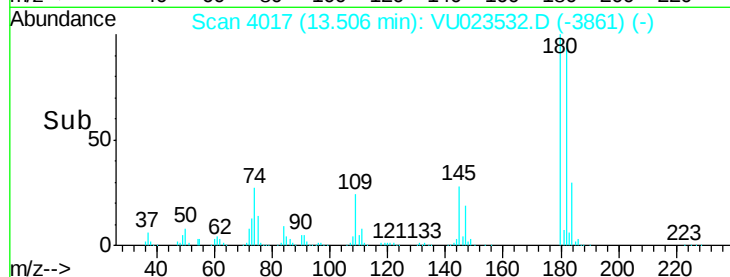
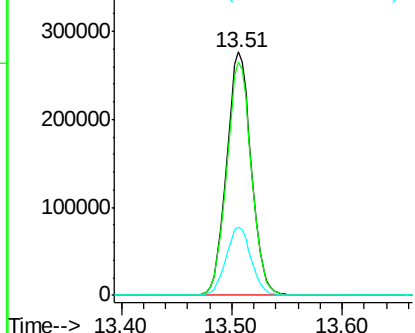
#87
 1,2,4-Trichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 428085
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.1 115.7
 145 28.6 23.3 34.9

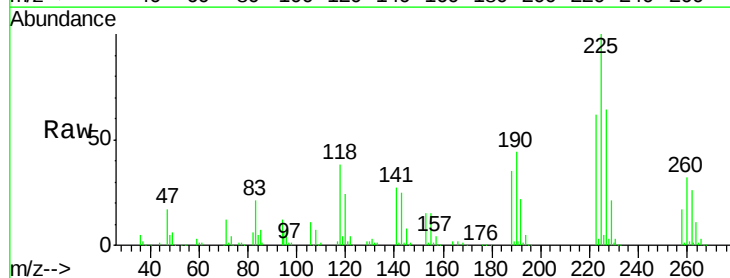


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

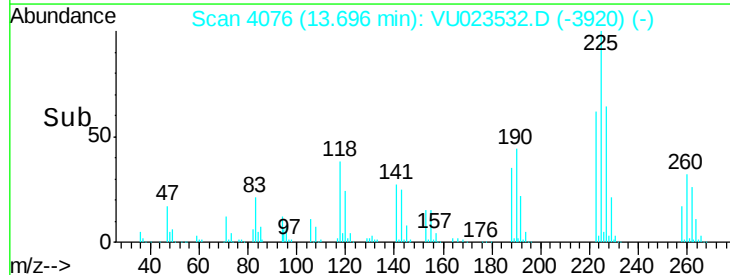
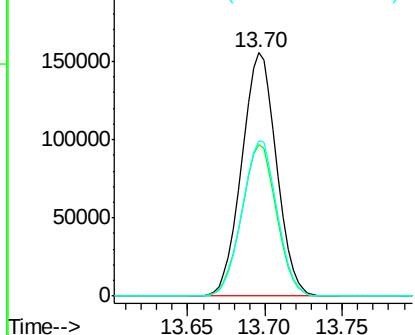


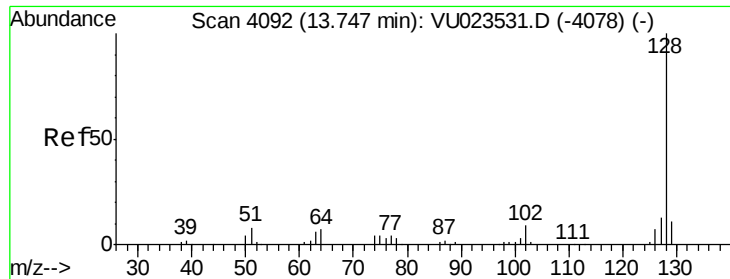
#88
 Hexachlorobutadiene
 Concen: 21.10 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion:225 Resp: 243161
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.6 75.8
 227 64.0 51.8 77.6



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: 21.79 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

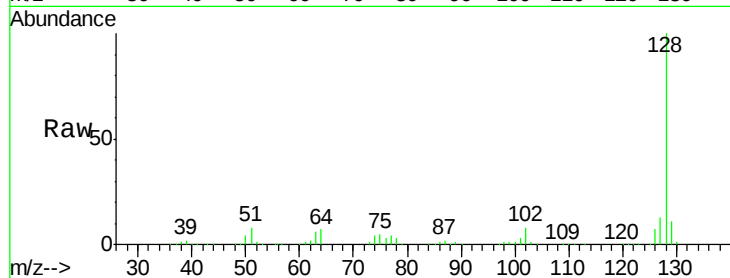
Tgt Ion:128 Resp: 720986

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

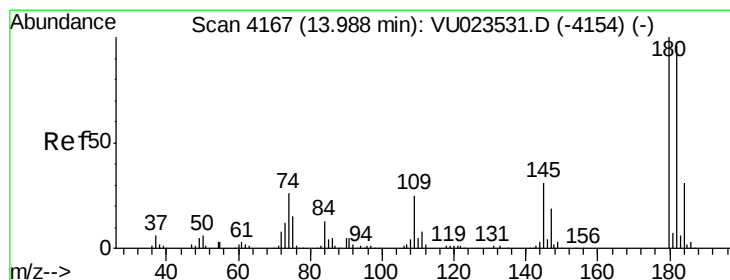
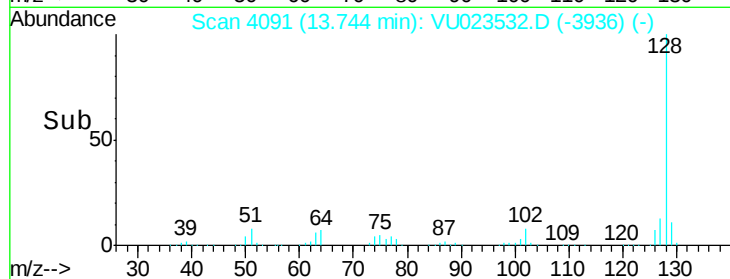
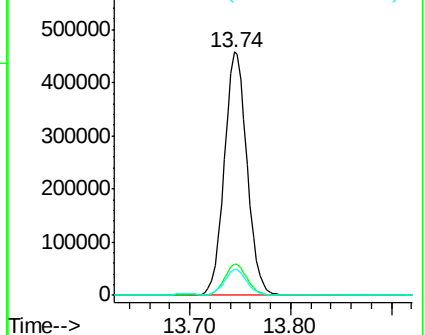
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 19.83 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

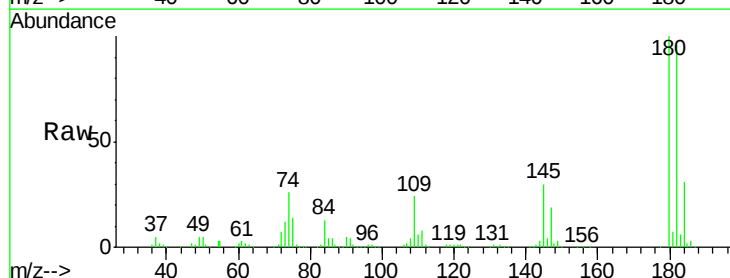
Tgt Ion:180 Resp: 393499

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 30.1 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

