

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
 Data File : VU026202.D
 Acq On : 20 Aug 2018 12:24
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 20 13:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	35723	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13480	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14821	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	70052	5.499 ug/l	98
3) Chloromethane	1.33	50	57018	4.734 ug/l	97
4) Vinyl Chloride	1.40	62	59451	5.333 ug/l	97
5) Bromomethane	1.63	94	32372	5.963 ug/l	98
6) Chloroethane	1.70	64	33768	5.048 ug/l	96
7) Trichlorofluoromethane	1.89	101	86016	5.292 ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	47241	5.293 ug/l	97
9) 1,1-Dichloroethene	2.29	96	40569	5.151 ug/l	95
10) Iodomethane	2.41	142	61666	8.205 ug/l	93
11) Allyl Chloride	2.59	41	69942	5.313 ug/l	89
12) Acrylonitrile	2.94	53	18083	10.415 ug/l	99
13) Acetone	2.32	43	37817	25.045 ug/l	90
14) Carbon Disulfide	2.48	76	138088	5.126 ug/l	100
15) Methylene Chloride	2.70	84	44657	4.756 ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	47312	5.358 ug/l	89
17) 1,1-Dichloroethane	3.45	63	86122	4.917 ug/l	98
18) 2-Butanone	4.28	43	67209	25.650 ug/l	97
19) Cyclohexane	5.00	56	65094	4.820 ug/l	86
20) Methylcyclohexane	6.42	83	77153	4.657 ug/l	98
21) 2,2-Dichloropropane	4.23	77	88788	5.317 ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	56390	5.072 ug/l	95
23) Diethyl Ether	2.10	59	31192	5.229 ug/l	98
24) tert-Butyl Alcohol	2.84	59	30116	42.980 ug/l #	82
25) Methyl tert-Butyl Ether	3.00	73	105656	4.961 ug/l	94
26) Bromochloromethane	4.55	128	26174	5.346 ug/l	84
27) Chloroform	4.68	83	100655	5.229 ug/l	98
28) 1,1,1-Trichloroethane	4.92	97	91438	5.268 ug/l	97
29) 1,1-Dichloropropene	5.14	75	70664	4.964 ug/l	96
30) Carbon Tetrachloride	5.14	117	84788	5.379 ug/l	100
31) Isopropyl Ether	3.58	45	140859	5.020 ug/l	89
32) Ethyl-t-butyl ether	4.08	59	125563	4.709 ug/l	94
33) Tert-Amyl methyl ether	5.59	73	108465	4.607 ug/l	97
34) Propionitrile	4.34	54	18768	25.779 ug/l #	90
35) Benzene	5.39	78	207721	5.219 ug/l	98
36) 1,2-Dichloroethane	5.41	62	62761	5.137 ug/l	100
37) Trichloroethene	6.19	130	56220	4.795 ug/l	100
38) 1,2-Dichloropropane	6.44	63	53396	5.171 ug/l	98
39) Methacrylonitrile	4.55	41	16577	4.946 ug/l	92
40) Methyl acrylate	4.43	55	25186	4.983 ug/l #	98
41) Tetrahydrofuran	4.65	42	16832	8.499 ug/l	93
42) 1-Chlorobutane	5.07	56	98173	5.059 ug/l	99

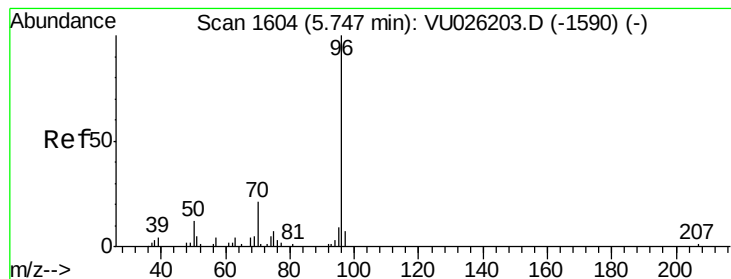
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
 Data File : VU026202.D
 Acq On : 20 Aug 2018 12:24
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 20 13:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	28460	5.280	ug/l	96
44) Bromodichloromethane	6.76	83	73474	5.378	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	148359	24.676	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	29340	12.112	ug/l #	81
47) Methyl methacrylate	6.63	69	45438	10.079	ug/l	95
48) Ethyl methacrylate	8.02	69	41005	4.528	ug/l	99
49) Toluene	7.64	92	123452	5.076	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	64049	5.194	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	74040	5.012	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	38760	5.363	ug/l	94
53) 1,3-Dichloropropane	8.25	76	63426	5.198	ug/l	99
54) 2-Hexanone	8.37	43	105389	24.821	ug/l	98
55) Dibromochloromethane	8.48	129	50651	5.512	ug/l	99
56) 1,2-Dibromoethane	8.59	107	36698	5.247	ug/l	98
58) Tetrachloroethene	8.23	164	54654	5.187	ug/l	97
59) Chlorobenzene	9.12	112	138224	4.942	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	54371	5.235	ug/l	98
61) Pentachloroethane	11.10	117	47394	5.979	ug/l	96
62) Hexachloroethane	12.15	117	46327	5.724	ug/l	98
63) Ethyl Benzene	9.25	91	228066	4.902	ug/l	98
64) m/p-Xylenes	9.38	106	189725	10.375	ug/l	97
65) o-Xylene	9.78	106	88701	5.090	ug/l	97
66) Styrene	9.80	104	152692	5.159	ug/l	100
67) Bromoform	9.96	173	30851	5.690	ug/l	97
69) Isopropylbenzene	10.17	105	228518	4.853	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	48025	5.288	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	29340	4.146	ug/l #	89
72) Bromobenzene	10.45	156	64261	5.256	ug/l	93
73) n-propylbenzene	10.59	120	70198	5.291	ug/l	91
74) 2-Chlorotoluene	10.66	126	61777	5.289	ug/l	88
75) 1,3,5-Trimethylbenzene	10.77	105	214699	5.222	ug/l	100
76) 4-Chlorotoluene	10.77	126	64398	5.245	ug/l	95
77) tert-Butylbenzene	11.10	119	203565	5.022	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	223095	5.316	ug/l	99
79) sec-Butylbenzene	11.33	105	271606	5.098	ug/l	97
80) Nitrobenzene	12.86	77	9769	35.341	ug/l	94
81) p-Isopropyltoluene	11.48	119	236180	5.228	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	131635	5.235	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	134457	5.483	ug/l	99
84) n-Butylbenzene	11.89	91	222470	5.249	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	120177	5.234	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	8380	5.593	ug/l	97
87) 1,2,4-Trichlorobenzene	13.51	180	82099	5.135	ug/l	99
88) Hexachlorobutadiene	13.69	225	51364	5.229	ug/l	97
89) Naphthalene	13.74	128	130613	5.033	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	79259	5.425	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 35723

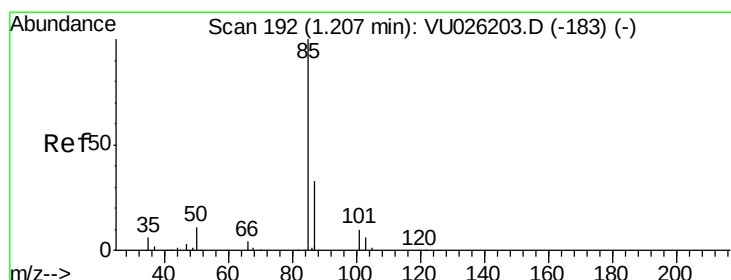
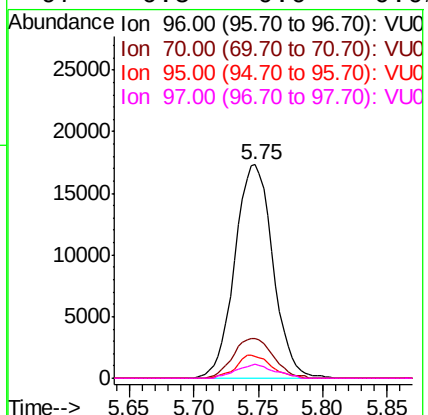
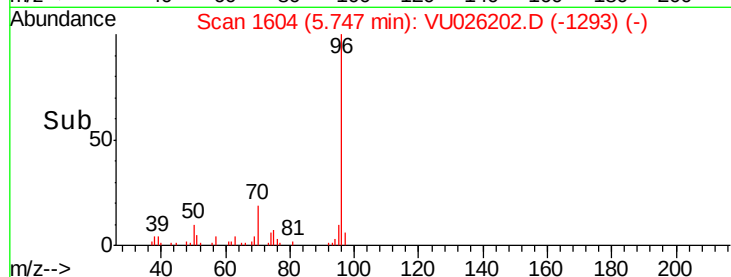
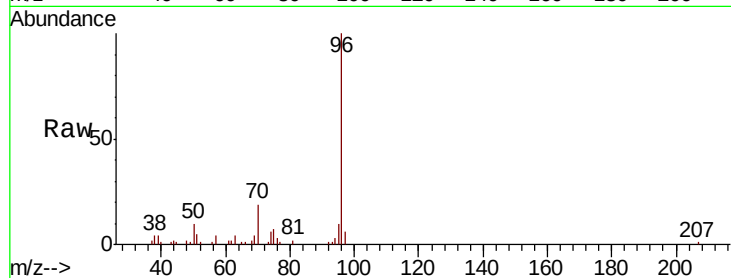
Ion Ratio Lower Upper

96 100

70 19.6 16.2 24.4

95 9.9 6.9 10.3

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 5.499 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU026202.D

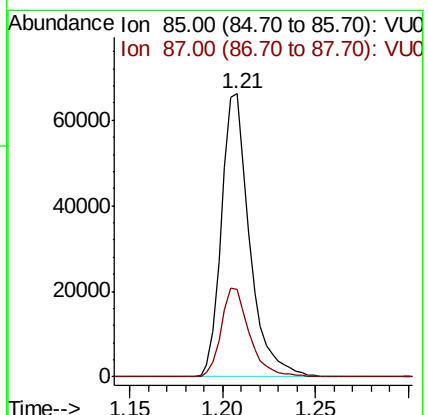
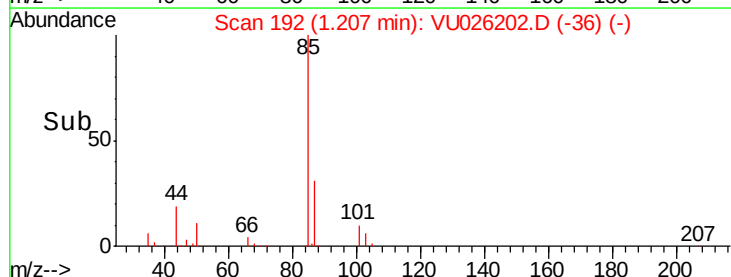
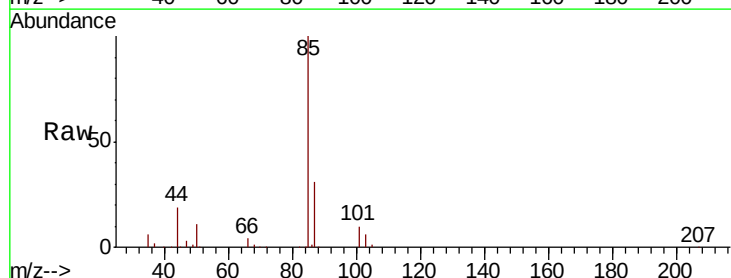
Acq: 20 Aug 2018 12:24

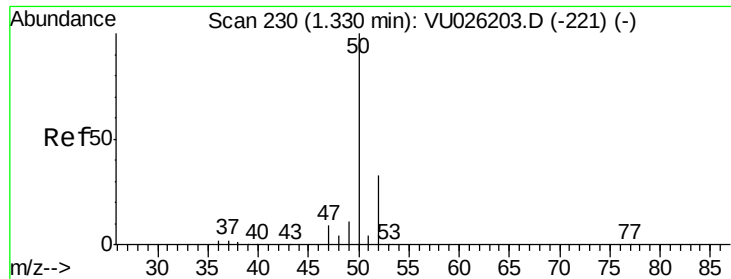
Tgt Ion: 85 Resp: 70052

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5





#3

Chloromethane

Concen: 4.734 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

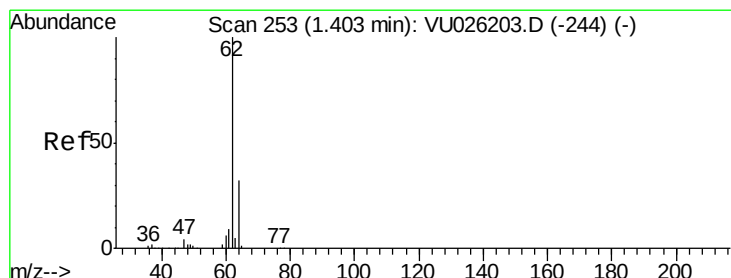
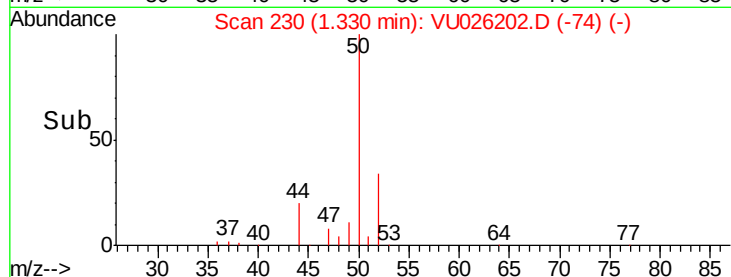
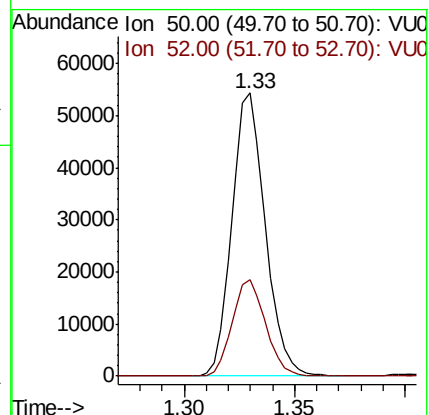
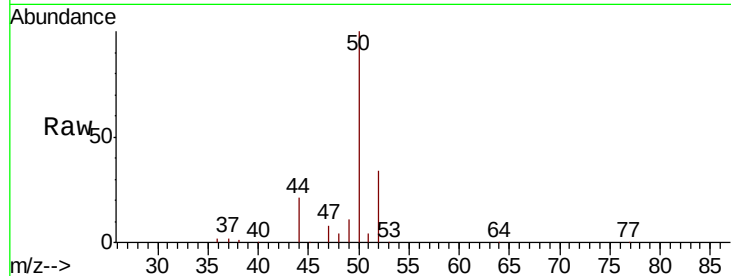
VSTDIC005

Tgt Ion: 50 Resp: 57018

Ion Ratio Lower Upper

50 100

52 34.0 26.0 39.0



#4

Vinyl Chloride

Concen: 5.333 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026202.D

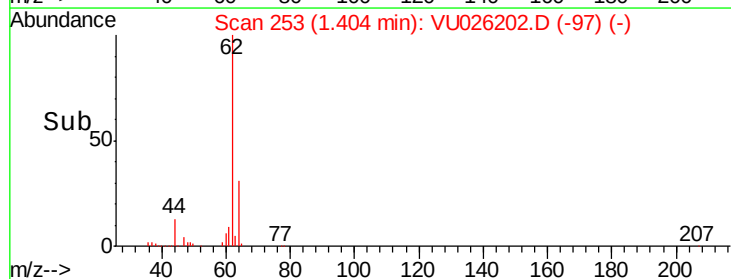
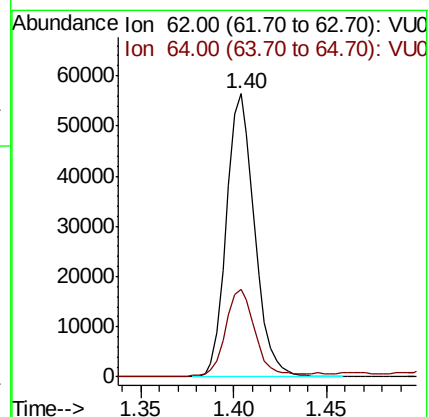
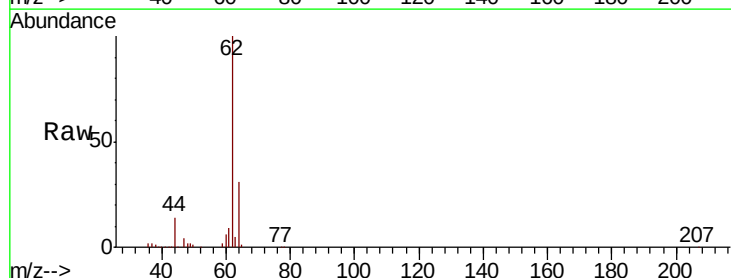
Acq: 20 Aug 2018 12:24

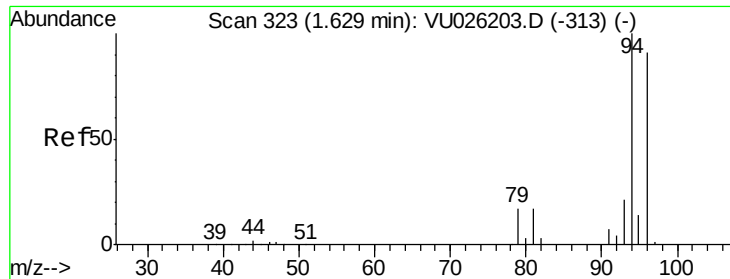
Tgt Ion: 62 Resp: 59451

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8

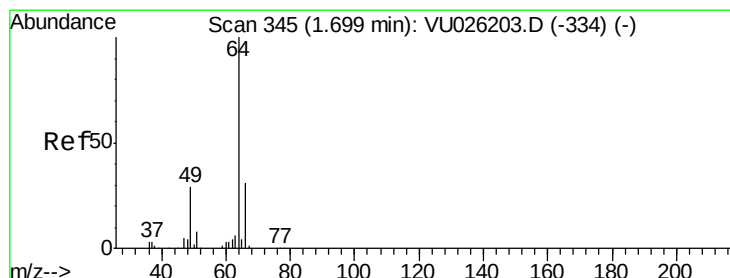
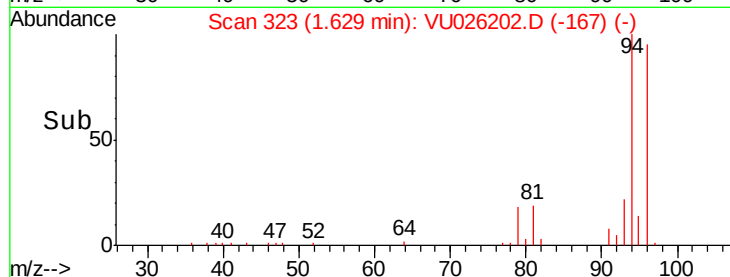
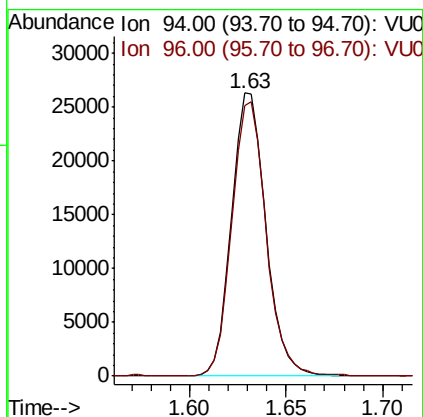
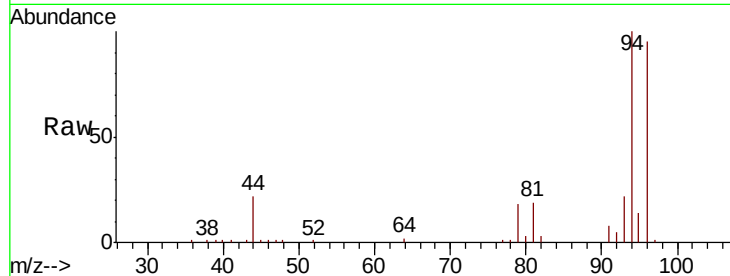




#5
 Bromomethane
 Concen: 5.963 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

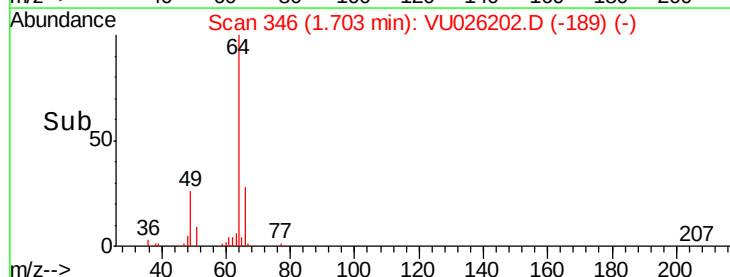
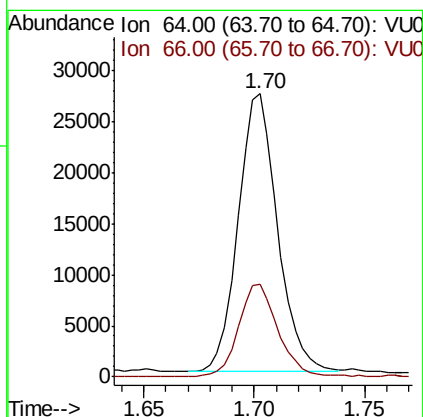
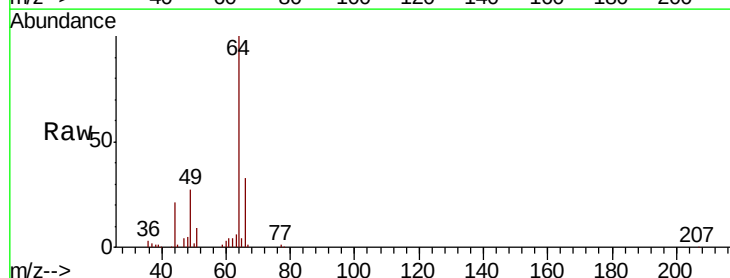
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

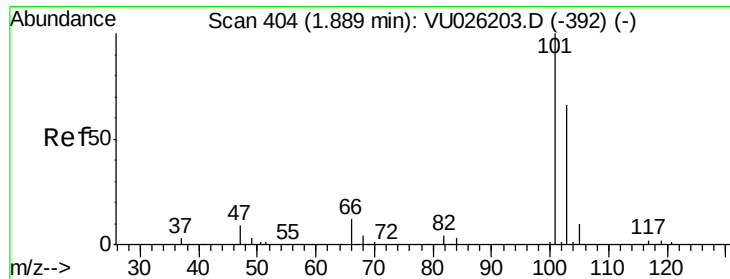
Tgt Ion: 94 Resp: 32372
 Ion Ratio Lower Upper
 94 100
 96 95.5 75.1 112.7



#6
 Chloroethane
 Concen: 5.048 ug/l
 RT: 1.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 64 Resp: 33768
 Ion Ratio Lower Upper
 64 100
 66 33.3 24.9 37.3



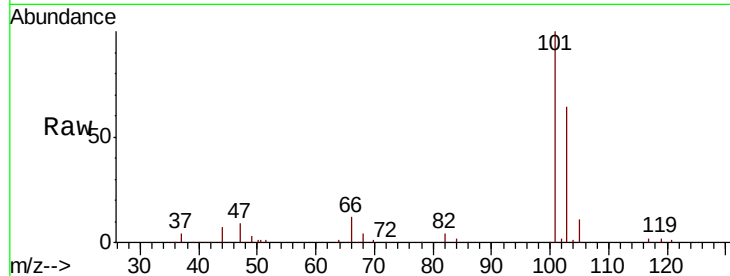


#7

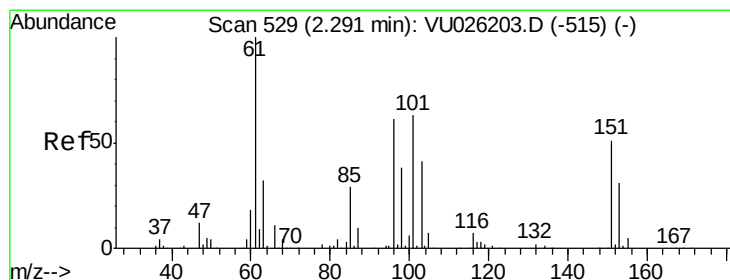
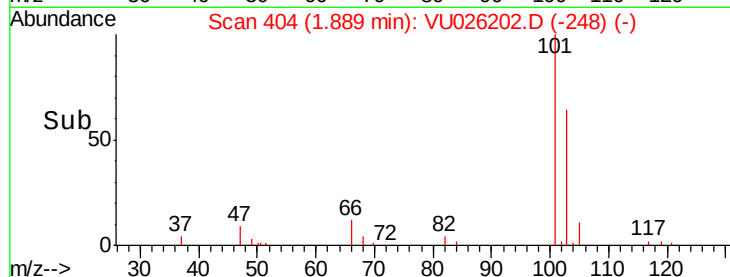
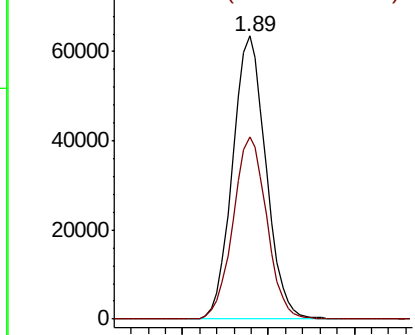
Trichlorofluoromethane
 Concen: 5.292 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 86016
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0



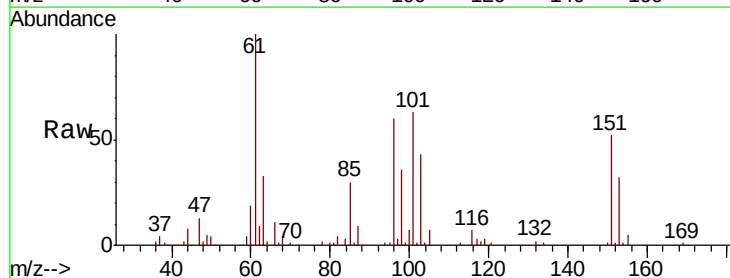
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



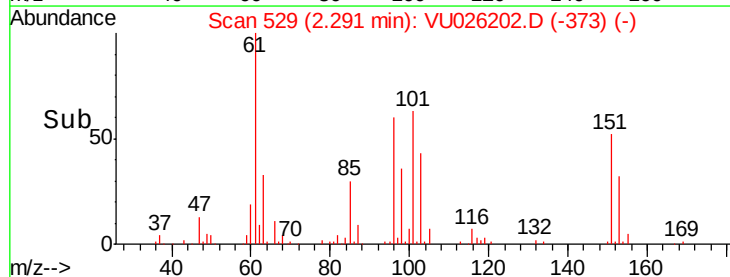
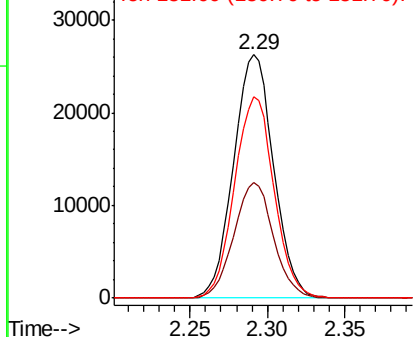
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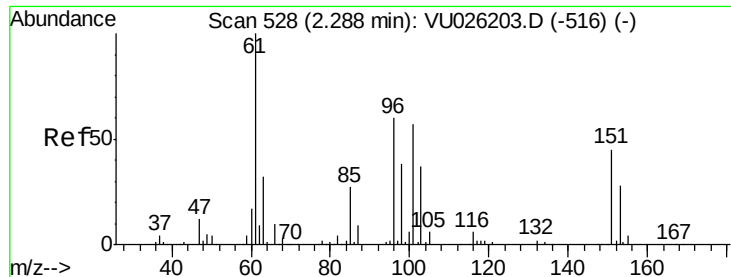
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.293 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion:101 Resp: 47241
 Ion Ratio Lower Upper
 101 100
 85 46.7 35.2 52.8
 151 81.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 5.151 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

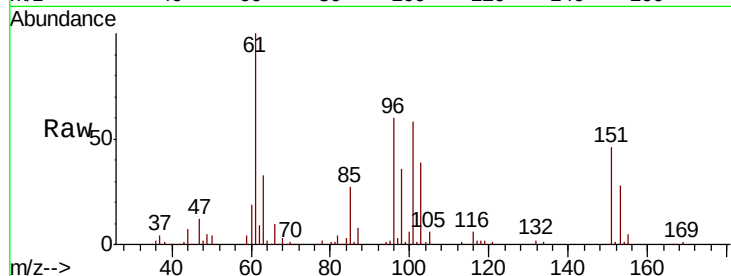
Tgt Ion: 96 Resp: 40569

Ion Ratio Lower Upper

96 100

61 167.1 0.0 526.5

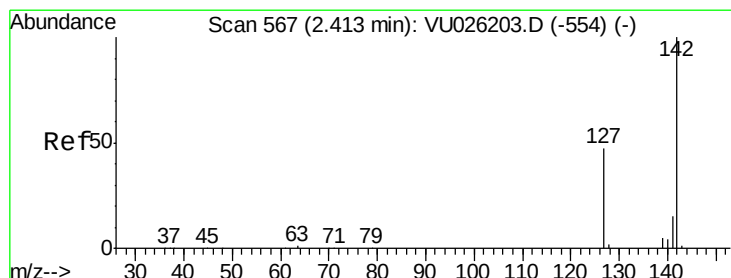
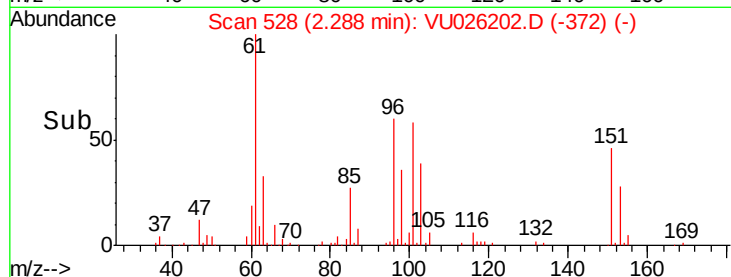
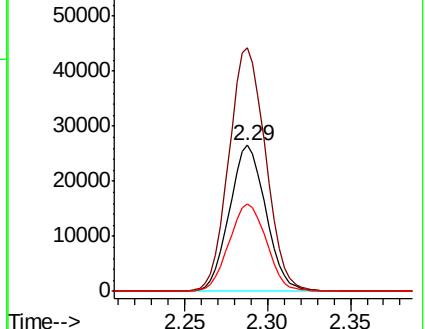
98 60.2 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU026202.D (-372) (-)

Ion 61.00 (60.70 to 61.70): VU026202.D (-372) (-)

Ion 98.00 (97.70 to 98.70): VU026202.D (-372) (-)



#10

Iodomethane

Concen: 8.205 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU026202.D

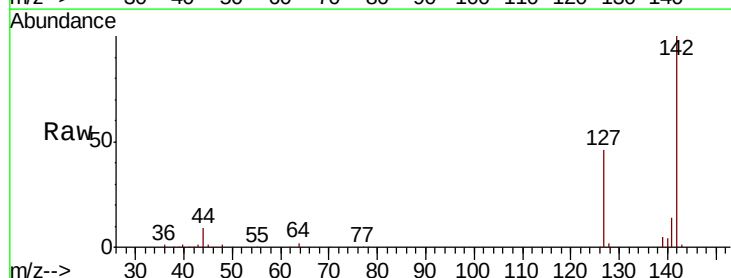
Acq: 20 Aug 2018 12:24

Tgt Ion: 142 Resp: 61666

Ion Ratio Lower Upper

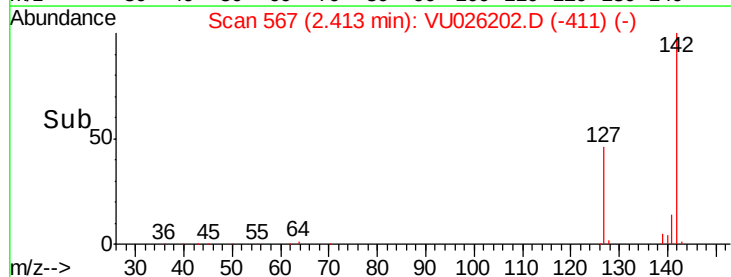
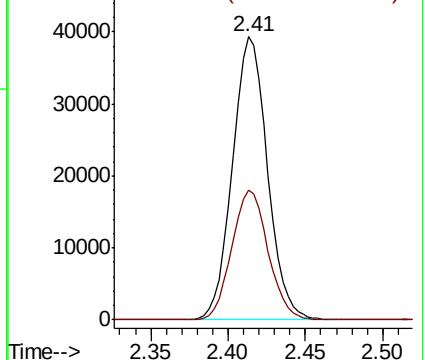
142 100

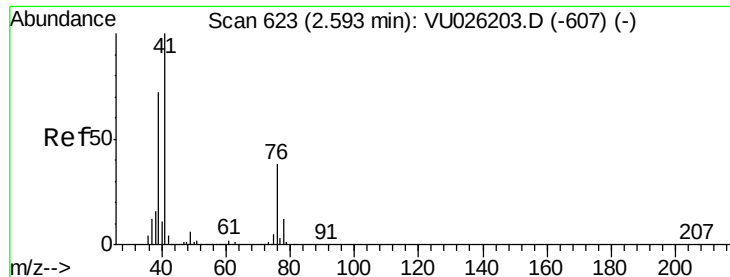
127 47.5 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): VU026202.D (-411) (-)

Ion 127.00 (126.70 to 127.70): VU026202.D (-411) (-)

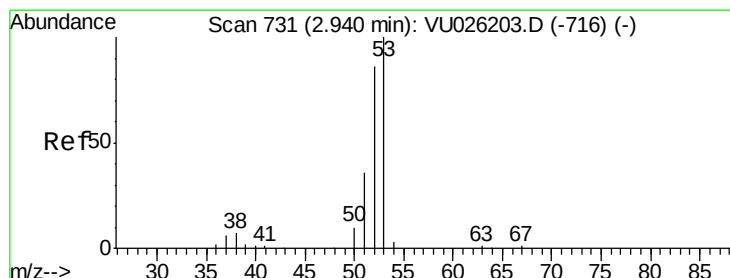
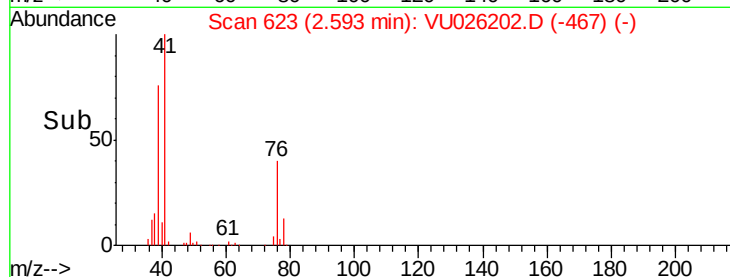
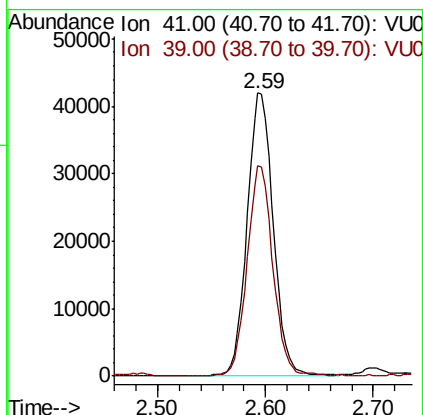
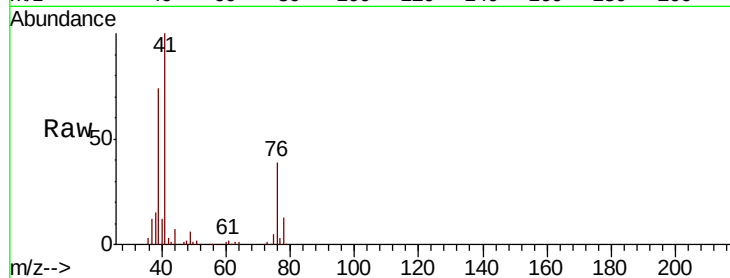




#11
 Allyl Chloride
 Concen: 5.313 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

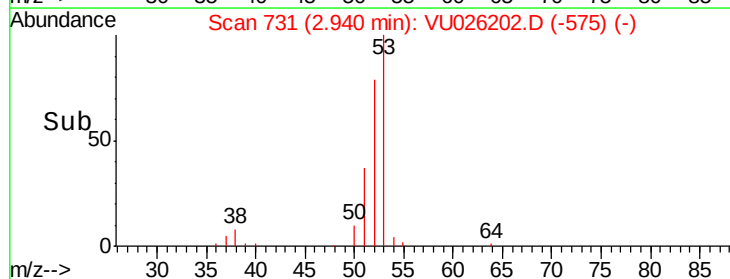
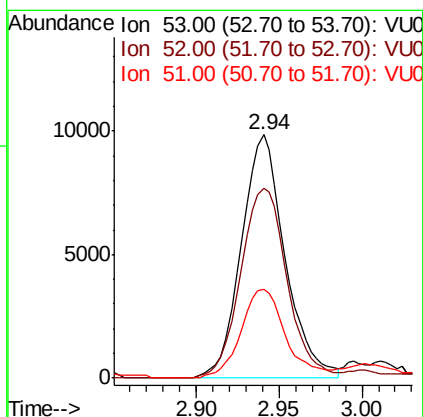
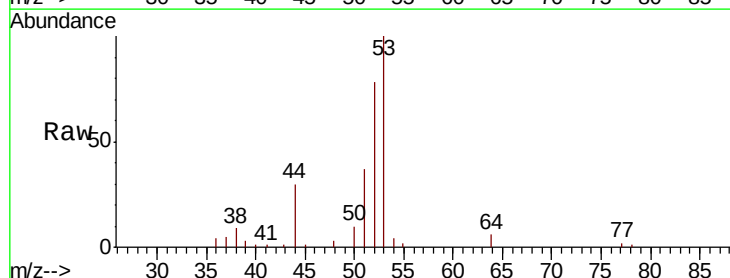
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

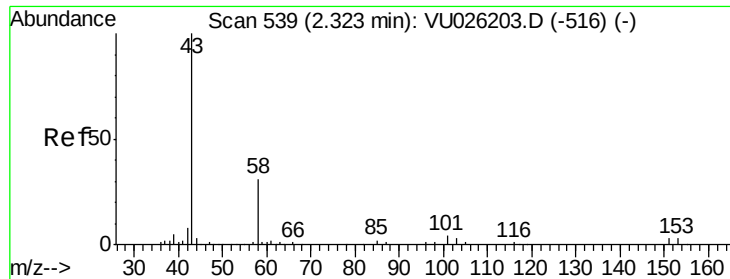
Tgt Ion: 41 Resp: 69942
 Ion Ratio Lower Upper
 41 100
 39 73.0 51.4 77.2



#12
 Acrylonitrile
 Concen: 10.415 ug/l
 RT: 2.94 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 53 Resp: 18083
 Ion Ratio Lower Upper
 53 100
 52 82.9 65.1 97.7
 51 37.3 30.2 45.4





#13

Acetone

Concen: 25.045 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

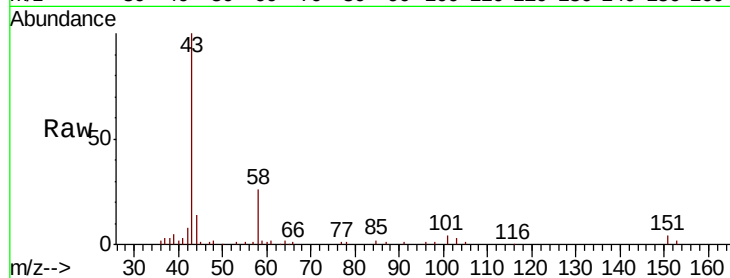
VSTDIC005

Tgt Ion: 43 Resp: 37817

Ion Ratio Lower Upper

43 100

58 26.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

25000

20000

15000

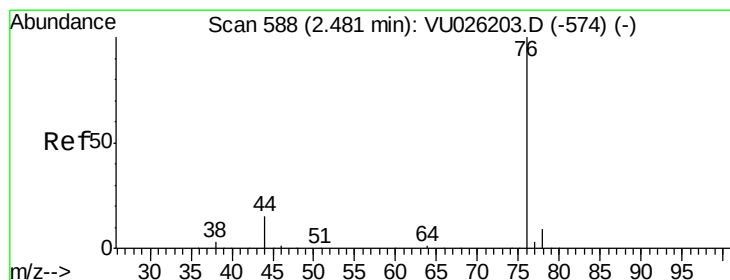
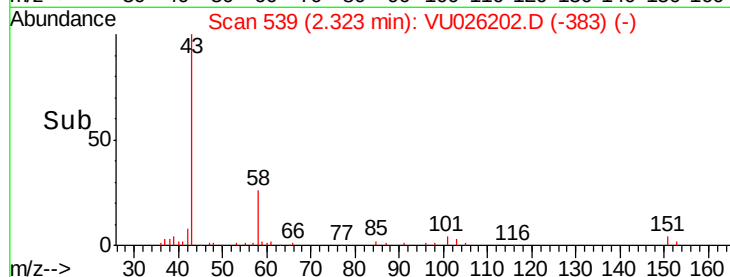
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon Disulfide

Concen: 5.126 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026202.D

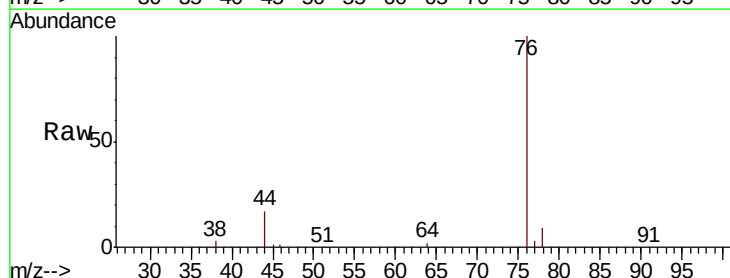
Acq: 20 Aug 2018 12:24

Tgt Ion: 76 Resp: 138088

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

100000

80000

60000

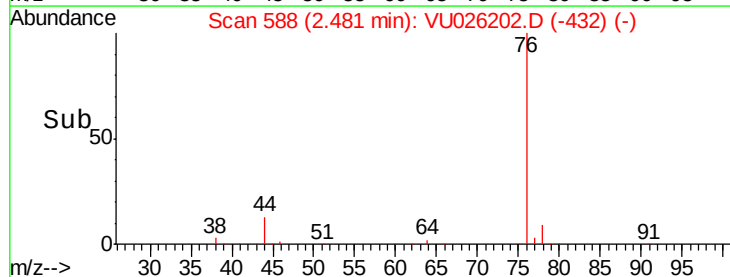
40000

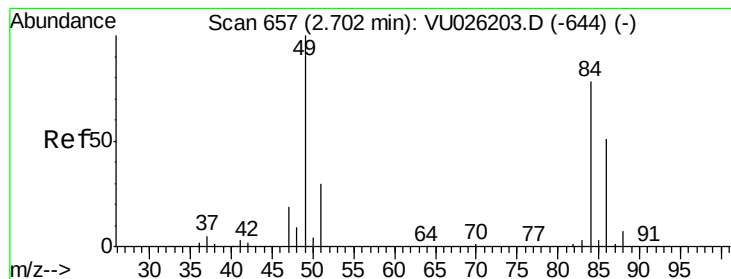
20000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methylene Chloride

Concen: 4.756 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 44657

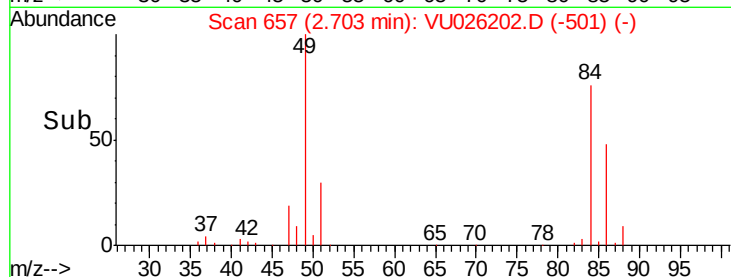
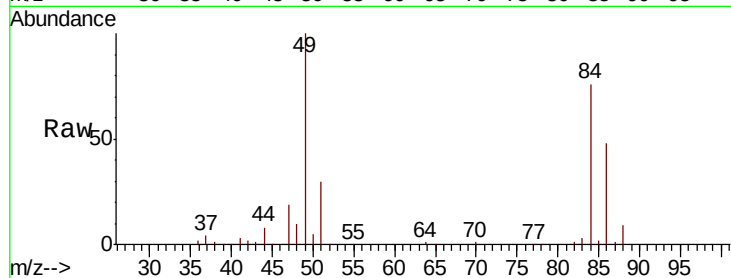
Ion Ratio Lower Upper

84 100

49 131.5 108.7 163.1

51 38.9 0.0 82.4

86 63.7 50.7 76.1



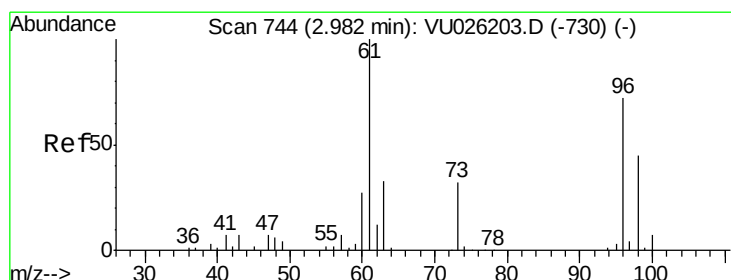
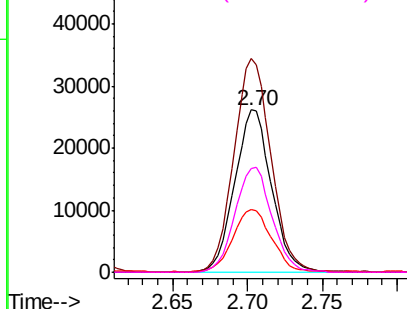
Abundance

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



#16

trans-1,2-Dichloroethene

Concen: 5.358 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

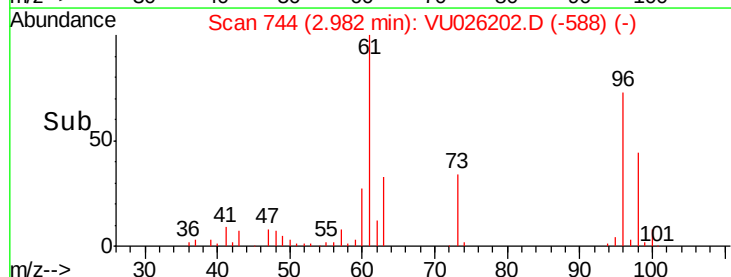
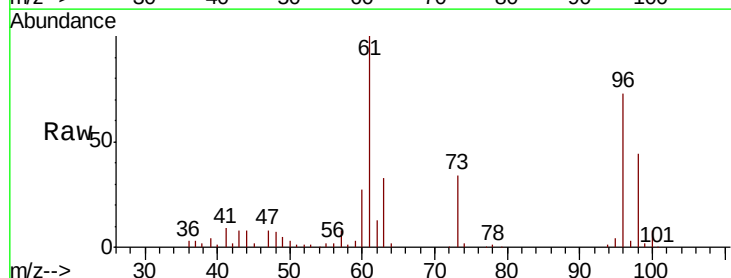
Tgt Ion: 96 Resp: 47312

Ion Ratio Lower Upper

96 100

61 136.5 123.9 185.9

98 60.6 50.6 76.0

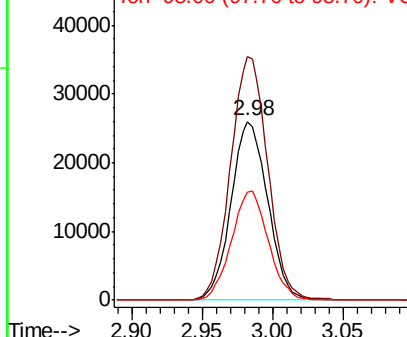


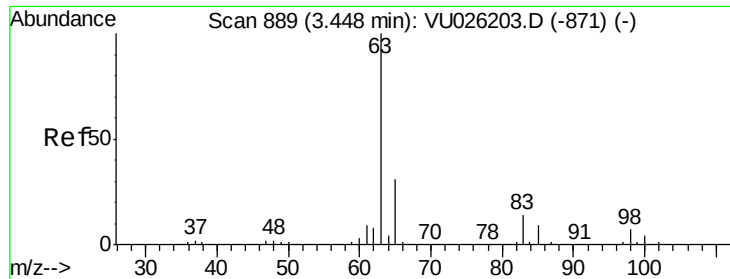
Abundance

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

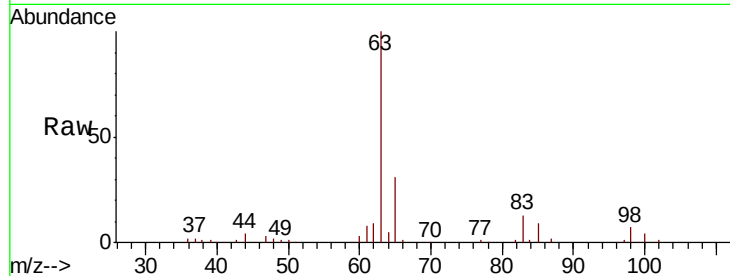




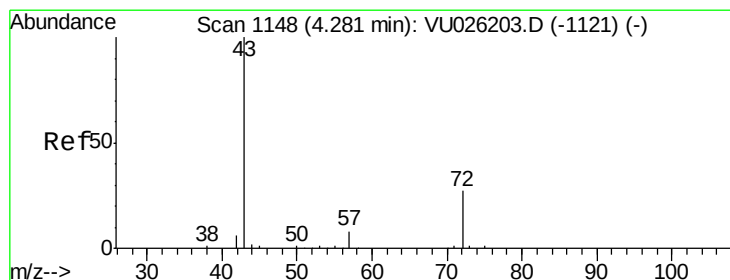
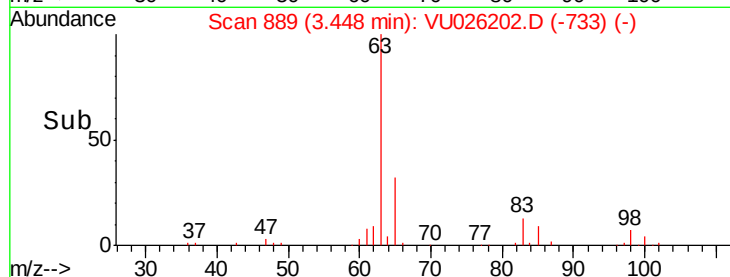
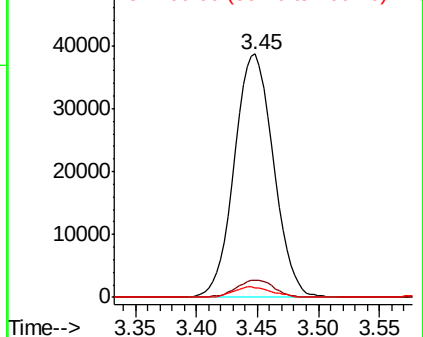
#17
 1,1-Dichloroethane
 Concen: 4.917 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 86122
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.9 8.8
 100 4.0 2.0 5.8

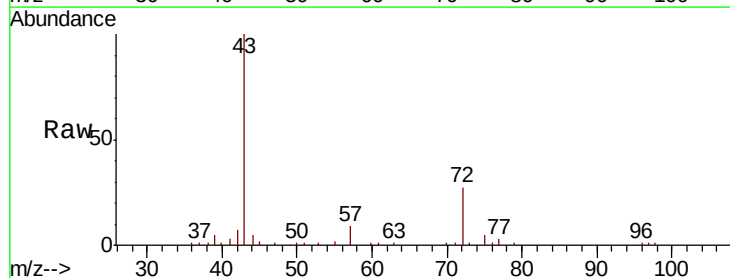


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

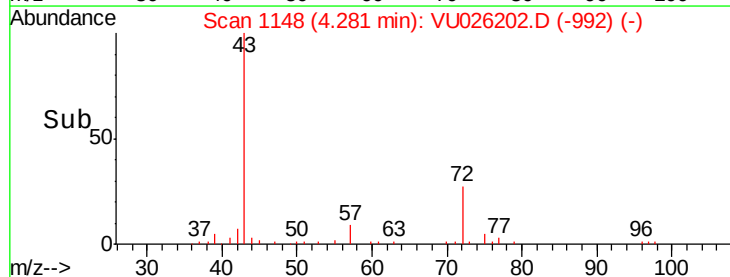
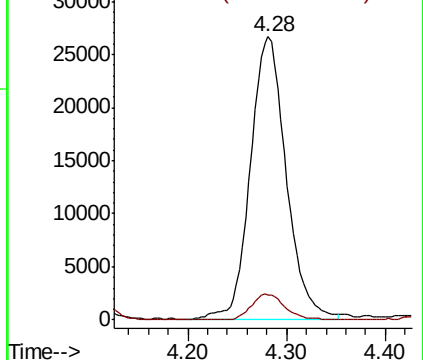


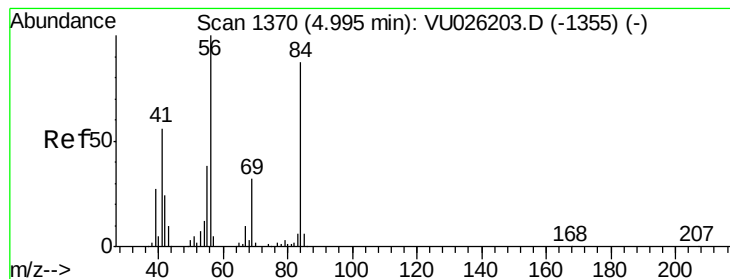
#18
 2-Butanone
 Concen: 25.650 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 43 Resp: 67209
 Ion Ratio Lower Upper
 43 100
 57 8.9 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: 4.820 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

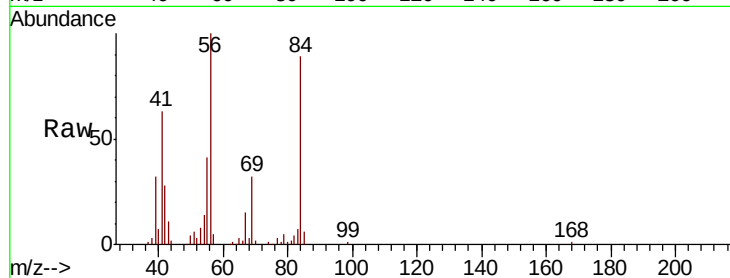
Tgt Ion: 56 Resp: 65094

Ion Ratio Lower Upper

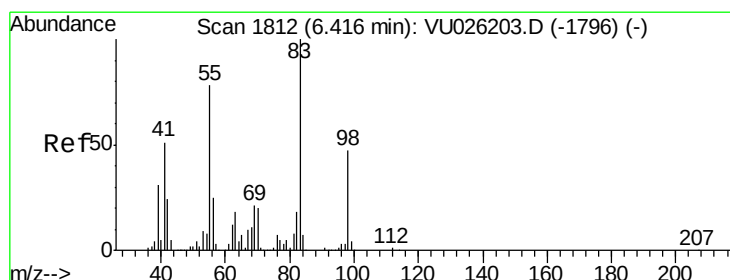
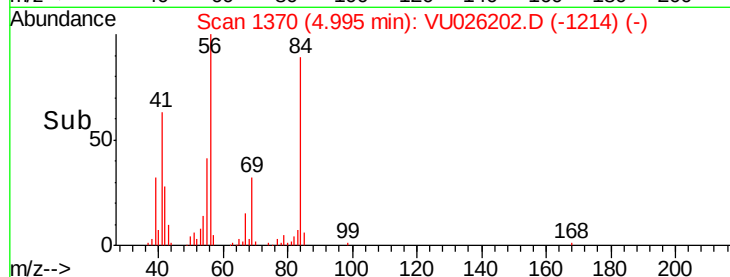
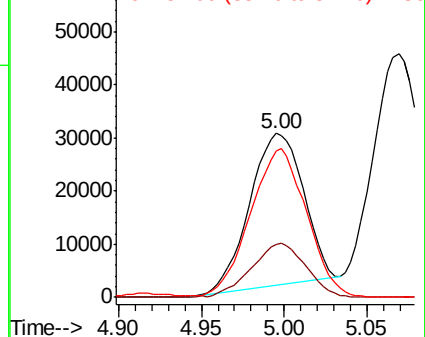
56 100

69 36.0 26.0 39.0

84 100.6 68.3 102.5



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



#20

Methylcyclohexane

Concen: 4.657 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

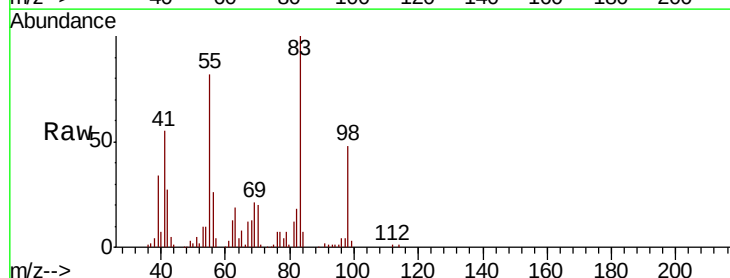
Tgt Ion: 83 Resp: 77153

Ion Ratio Lower Upper

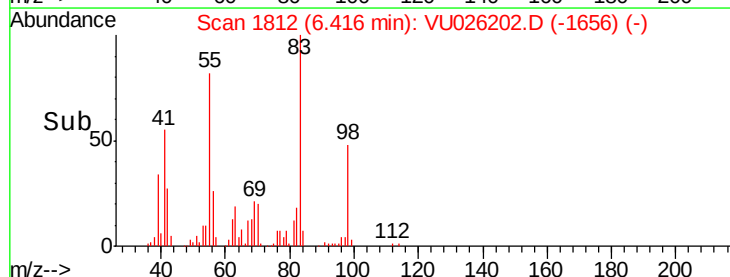
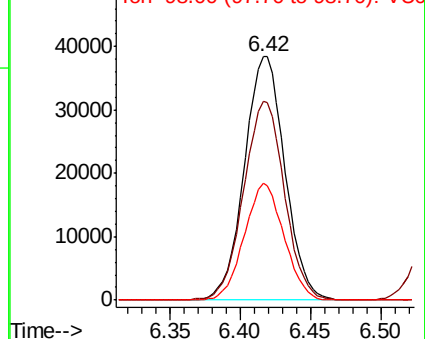
83 100

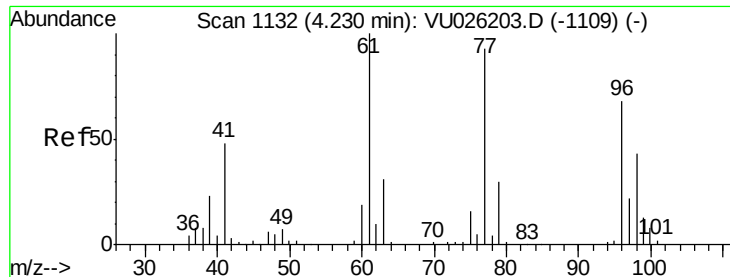
55 82.1 66.4 99.6

98 46.9 35.4 53.2



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





#21

2,2-Dichloropropane

Concen: 5.317 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

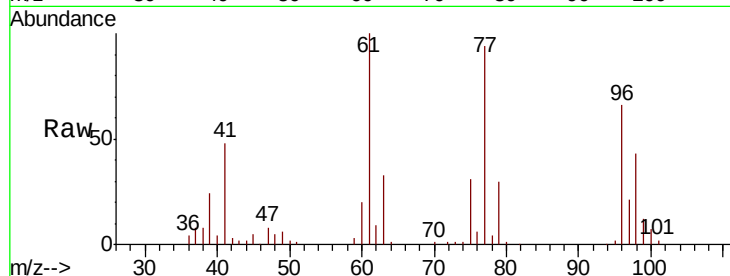
VSTDIC005

Tgt Ion: 77 Resp: 88788

Ion Ratio Lower Upper

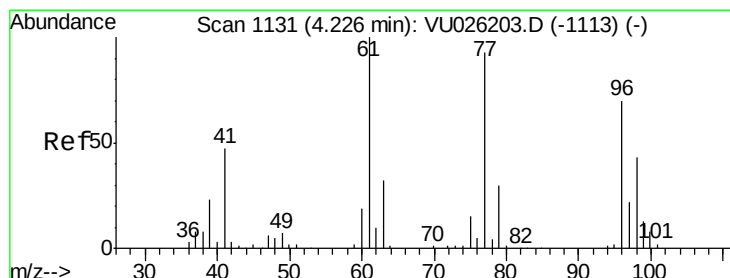
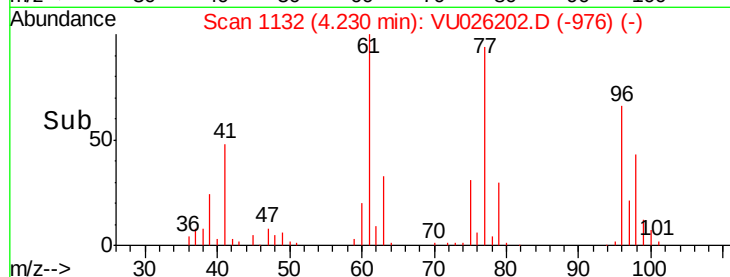
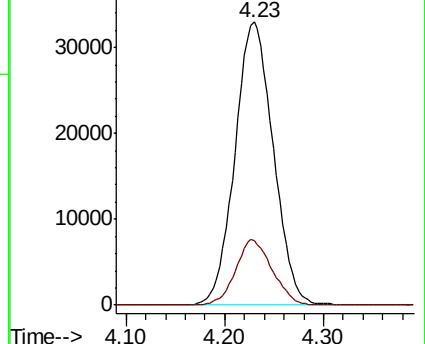
77 100

97 22.0 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 5.072 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

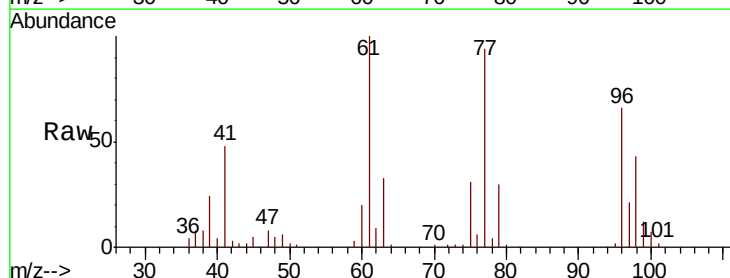
Tgt Ion: 96 Resp: 56390

Ion Ratio Lower Upper

96 100

61 150.9 0.0 400.5

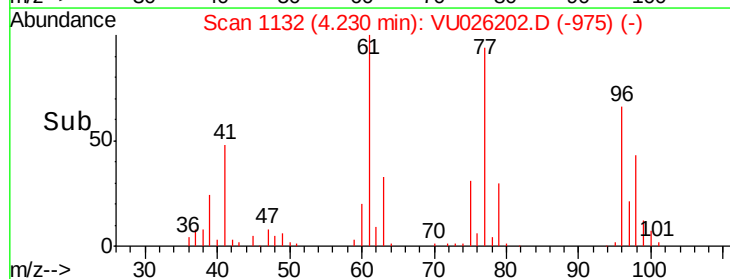
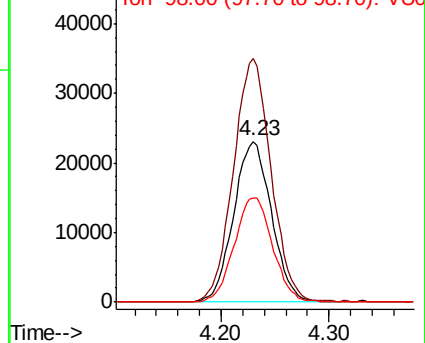
98 65.5 32.2 96.6

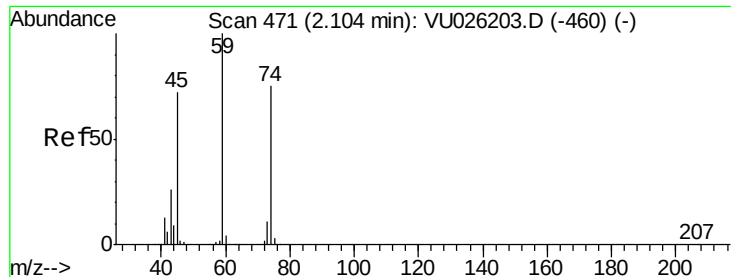


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

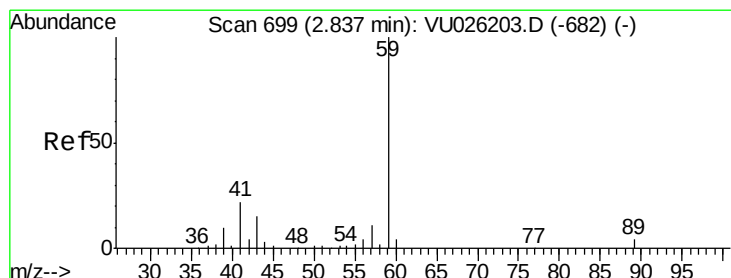
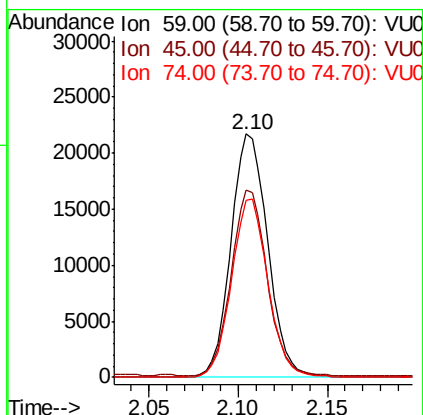
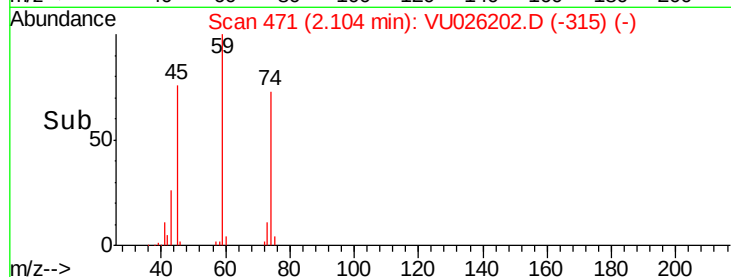
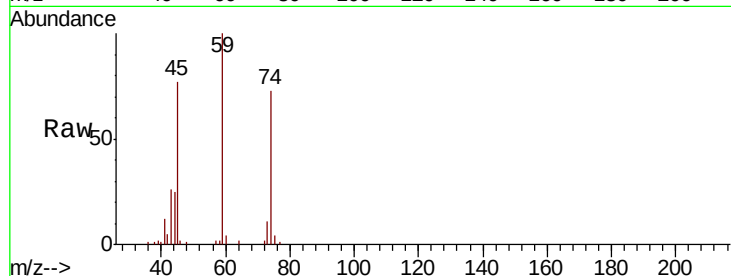




#23
Diethyl Ether
Concen: 5.229 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

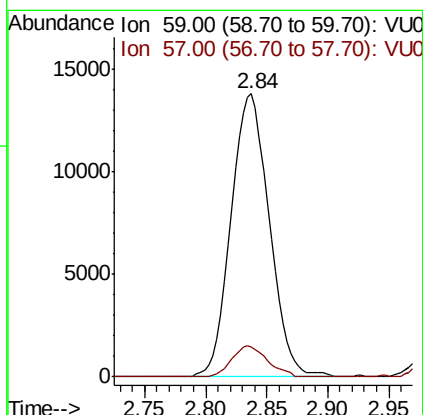
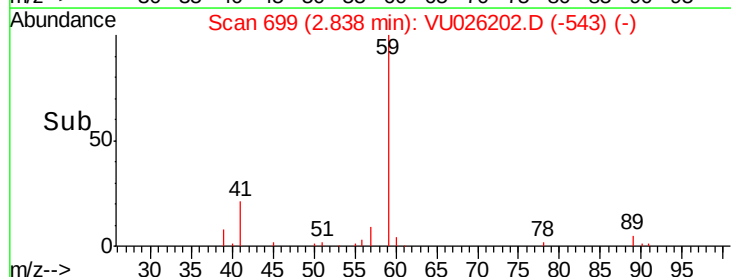
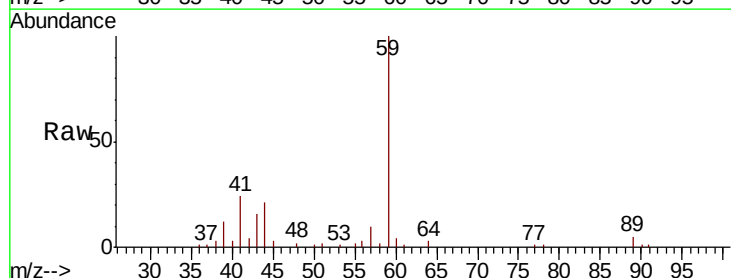
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

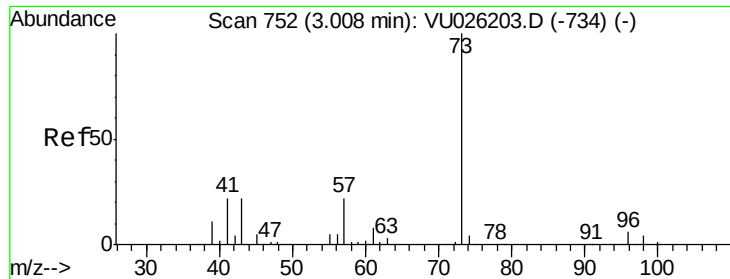
Tgt Ion: 59 Resp: 31192
Ion Ratio Lower Upper
59 100
45 74.2 60.0 90.0
74 72.6 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 42.980 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 59 Resp: 30116
Ion Ratio Lower Upper
59 100
57 10.2 3.4 5.2#



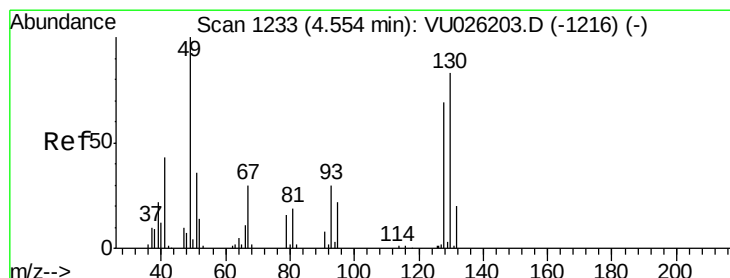
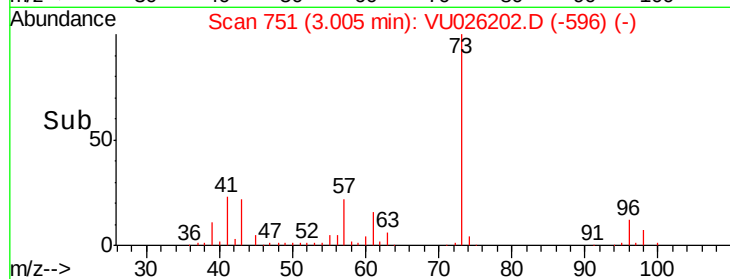
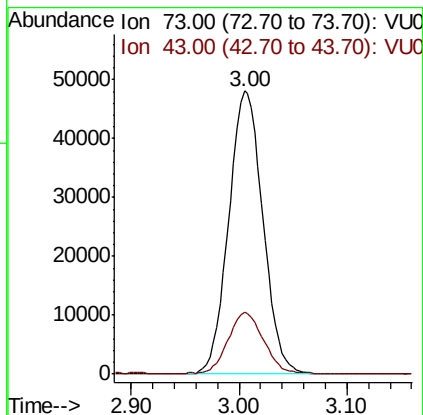
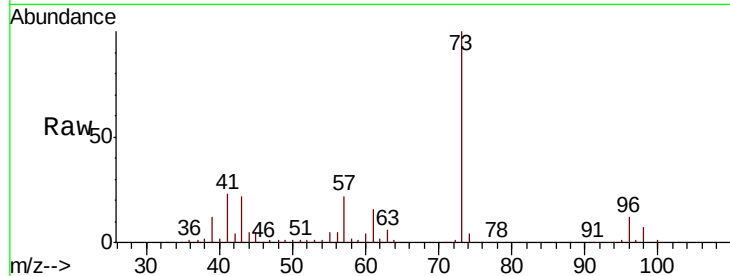


#25

Methyl tert-Butyl Ether
 Concen: 4.961 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

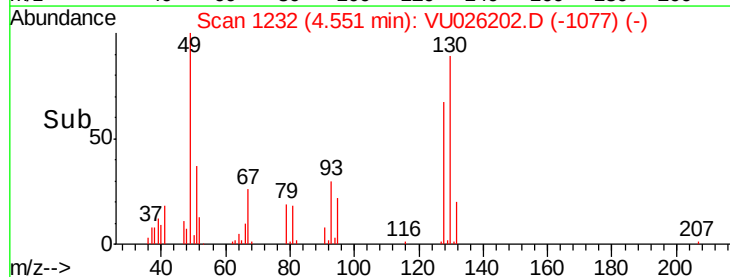
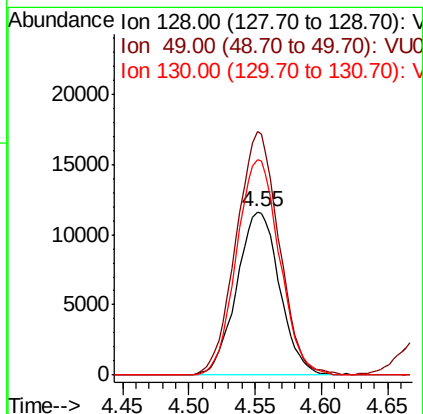
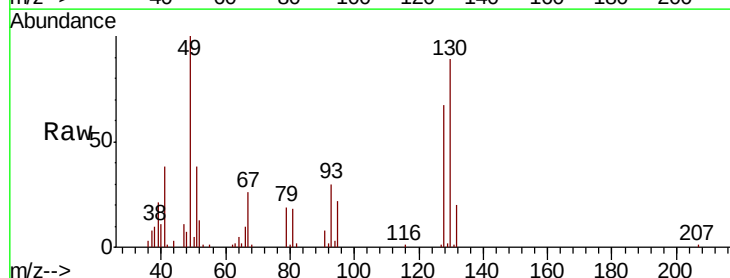
Tgt Ion: 73 Resp: 105656
 Ion Ratio Lower Upper
 73 100
 43 23.0 16.2 24.2

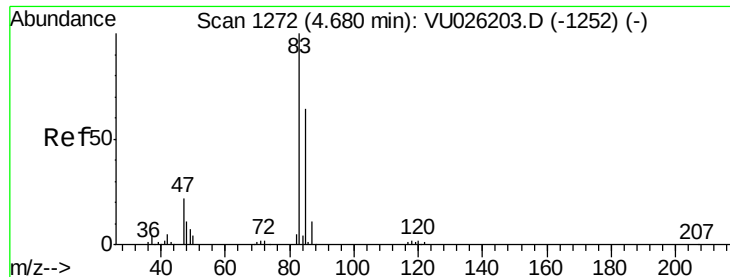


#26

Bromochloromethane
 Concen: 5.346 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 128 Resp: 26174
 Ion Ratio Lower Upper
 128 100
 49 148.9 0.0 375.2
 130 132.2 105.8 158.6

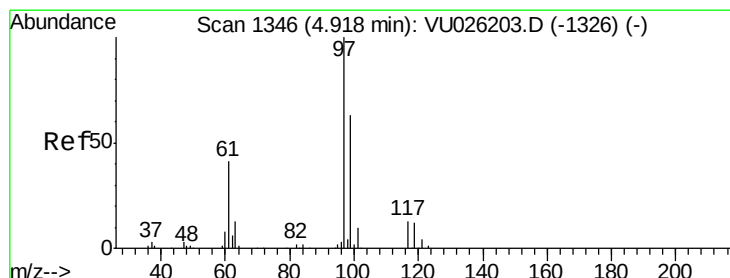
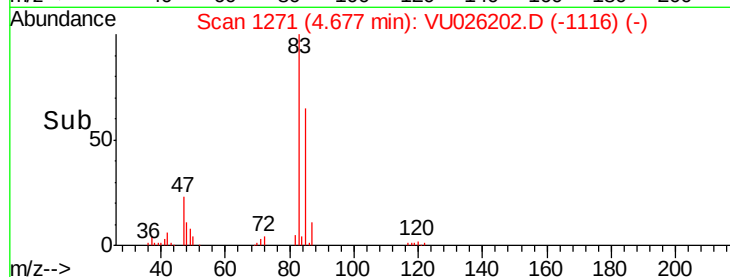
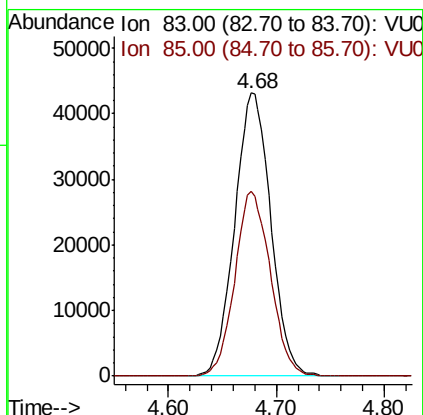
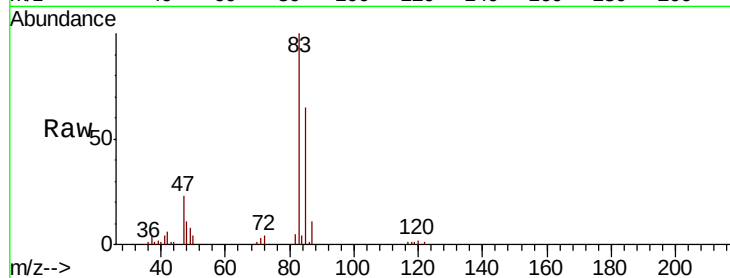




#27
Chloroform
Concen: 5.229 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

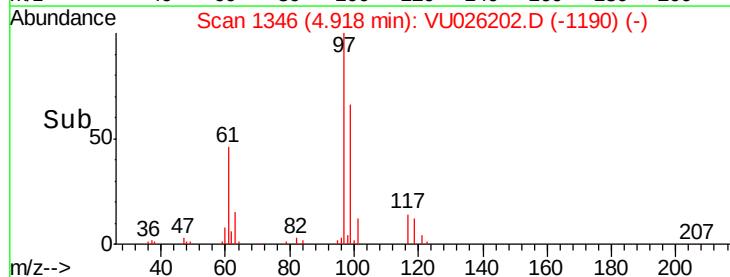
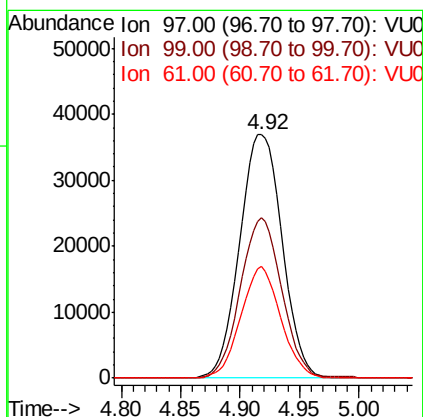
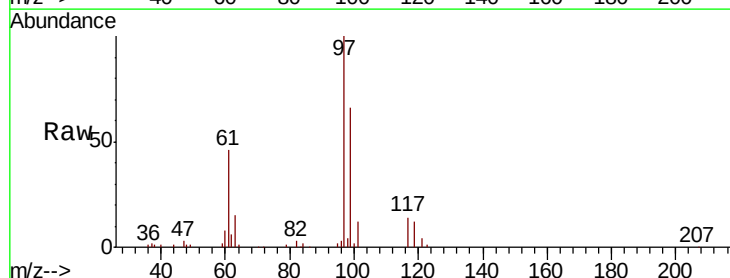
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

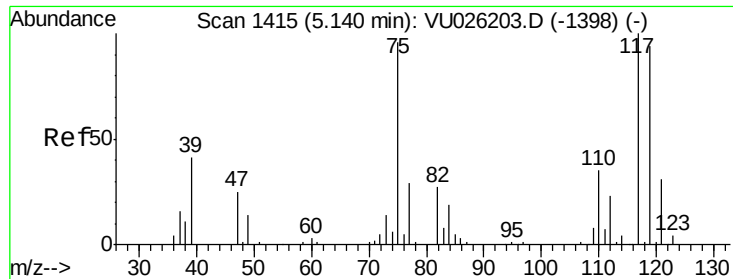
Tgt Ion: 83 Resp: 100655
Ion Ratio Lower Upper
83 100
85 65.5 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 5.268 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 97 Resp: 91438
Ion Ratio Lower Upper
97 100
99 63.9 32.3 96.9
61 42.9 23.2 69.5

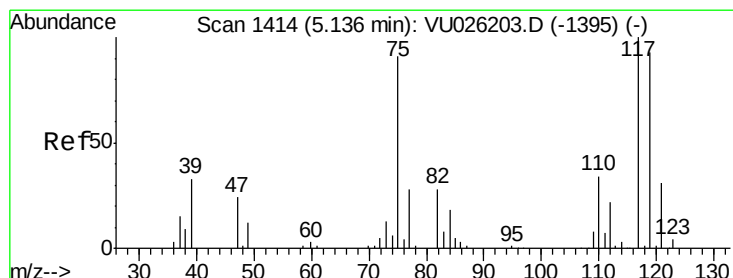
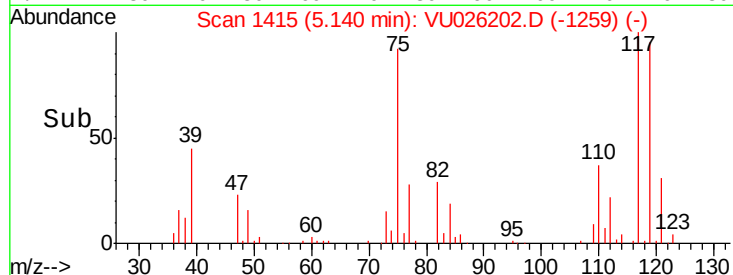
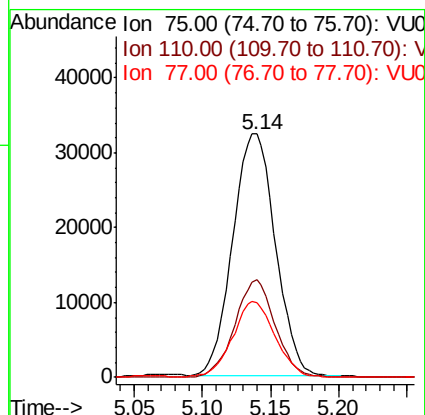
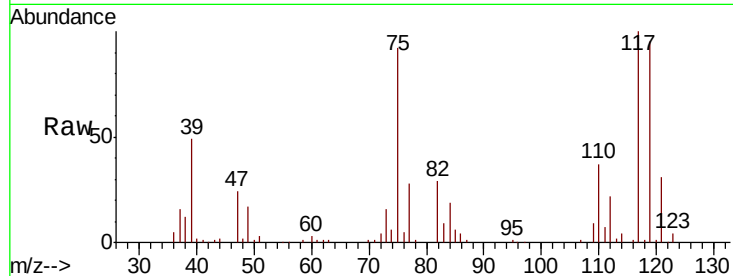




#29
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

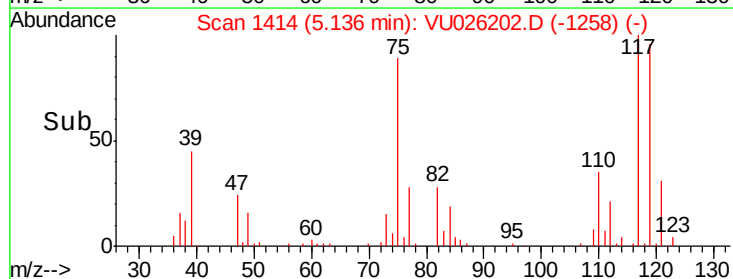
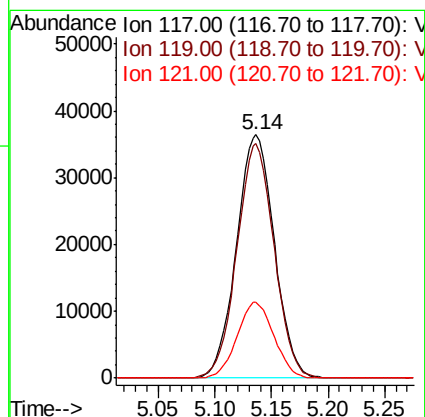
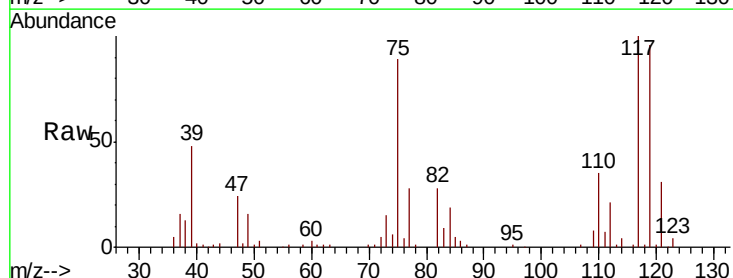
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

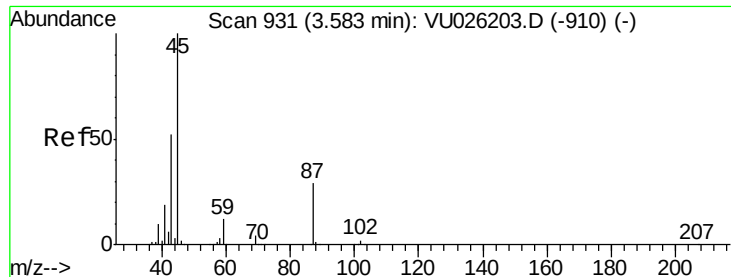
Tgt Ion: 75 Resp: 70664
Ion Ratio Lower Upper
75 100
110 37.8 16.9 50.7
77 31.2 24.8 37.2



#30
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 117 Resp: 84788
Ion Ratio Lower Upper
117 100
119 96.4 77.3 115.9
121 31.0 24.5 36.7





#31

Isopropyl Ether

Concen: 5.020 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

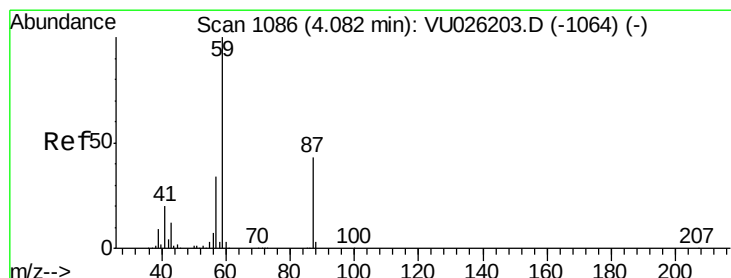
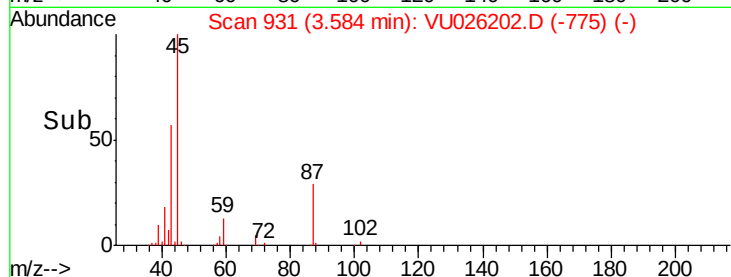
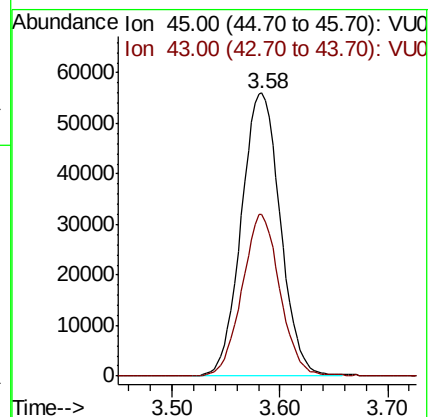
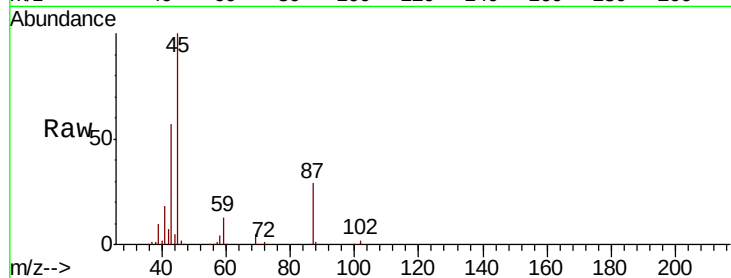
VSTDIC005

Tgt Ion: 45 Resp: 140859

Ion Ratio Lower Upper

45 100

43 55.2 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 4.709 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026202.D

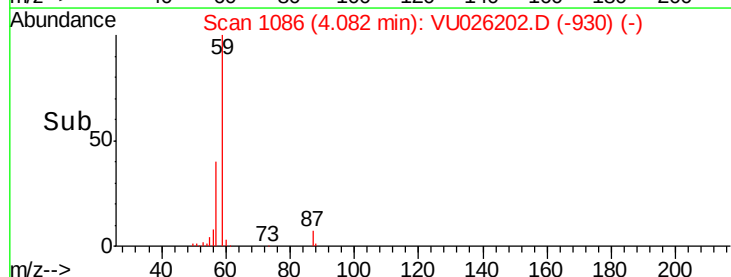
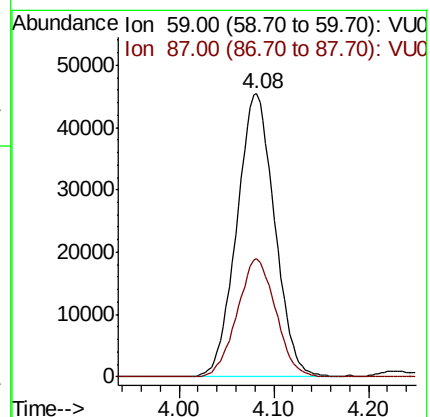
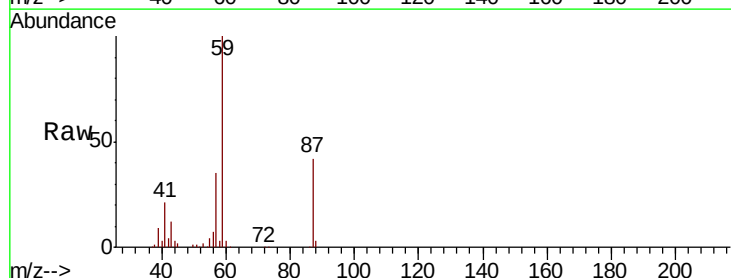
Acq: 20 Aug 2018 12:24

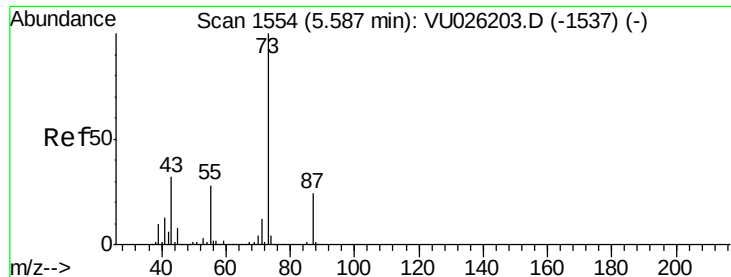
Tgt Ion: 59 Resp: 125563

Ion Ratio Lower Upper

59 100

87 42.7 31.0 46.6

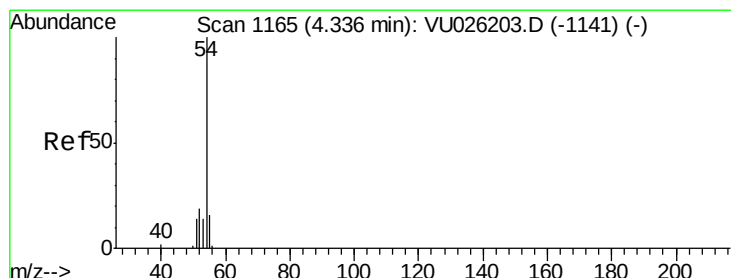
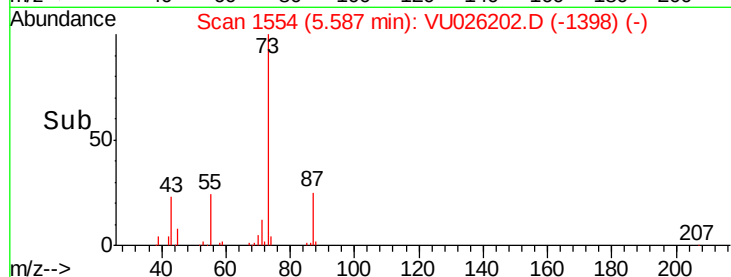
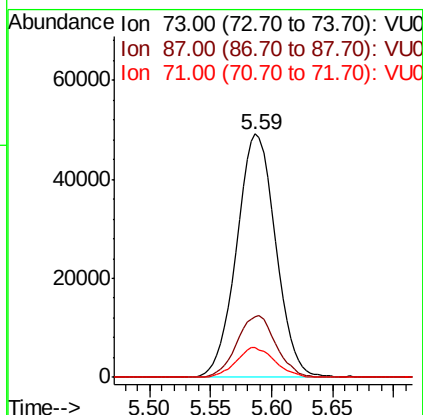
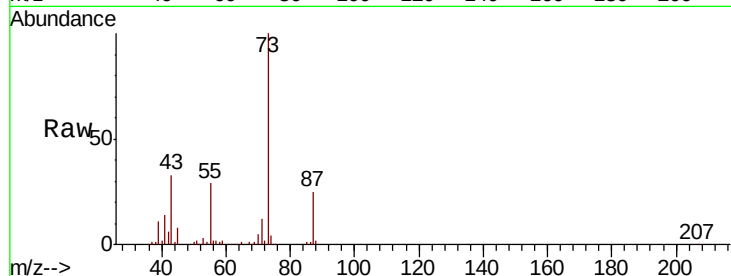




#33
Tert-Amyl methyl ether
Concen: 4.607 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

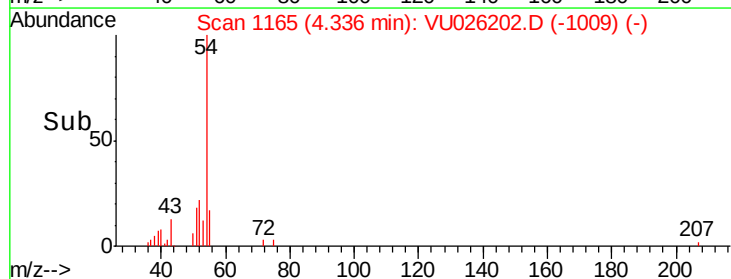
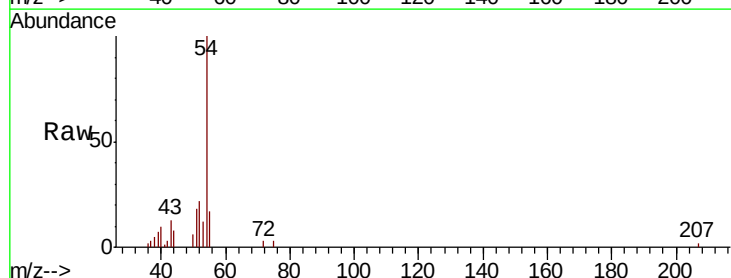
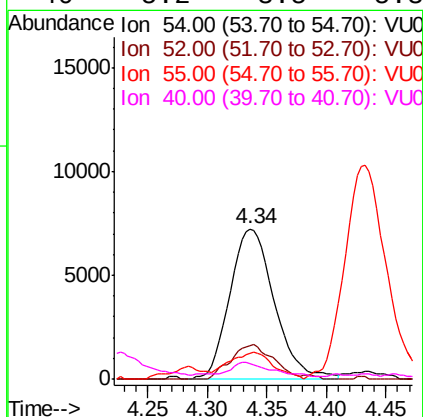
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

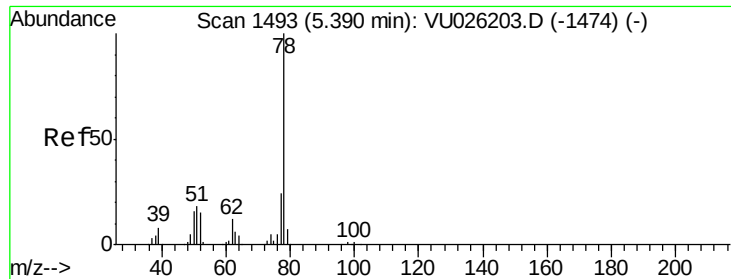
Tgt Ion: 73 Resp: 108465
Ion Ratio Lower Upper
73 100
87 25.5 18.6 28.0
71 12.0 9.3 13.9



#34
Propionitrile
Concen: 25.779 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 54 Resp: 18768
Ion Ratio Lower Upper
54 100
52 21.6 13.7 20.5#
55 17.4 10.2 15.2#
40 5.2 3.5 5.3





#35

Benzene

Concen: 5.219 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

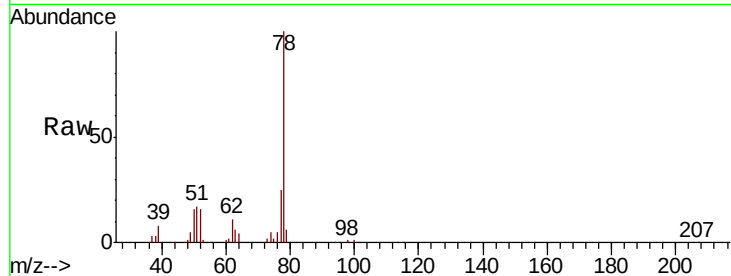
VSTDIC005

Tgt Ion: 78 Resp: 207721

Ion Ratio Lower Upper

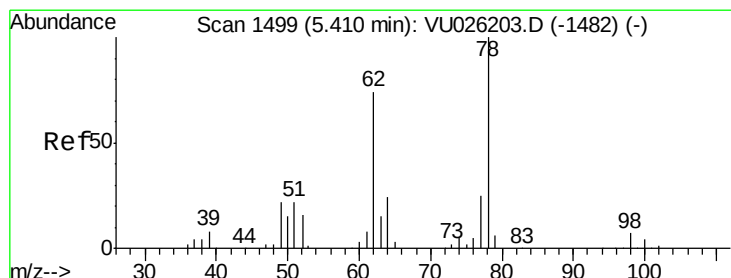
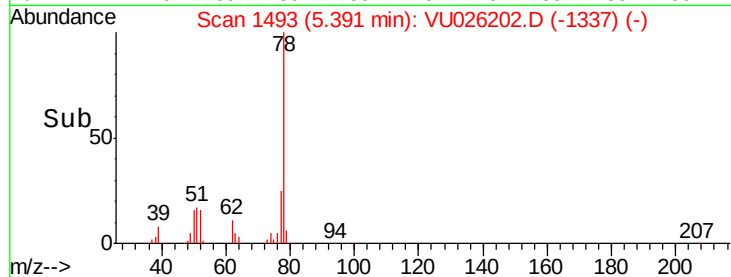
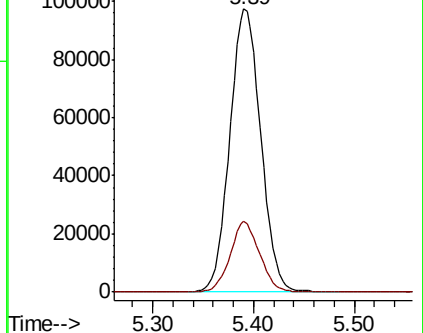
78 100

77 24.9 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: 5.137 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026202.D

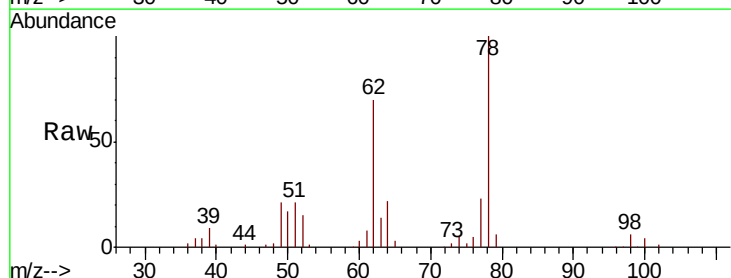
Acq: 20 Aug 2018 12:24

Tgt Ion: 62 Resp: 62761

Ion Ratio Lower Upper

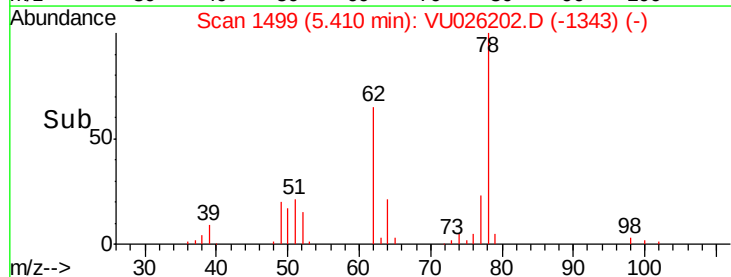
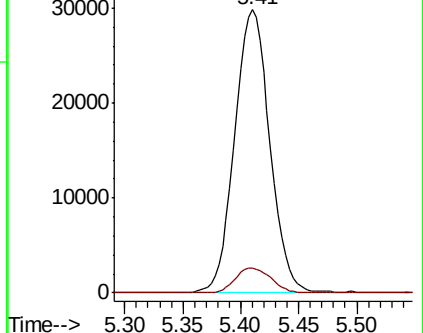
62 100

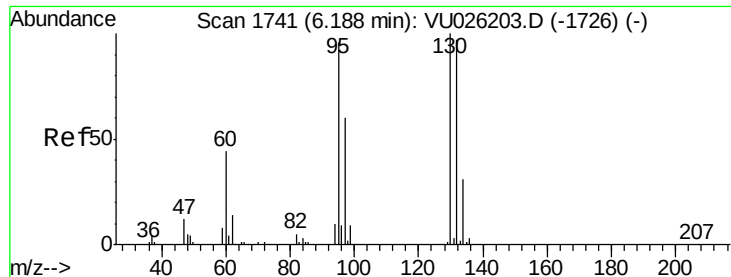
98 8.9 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 4.795 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

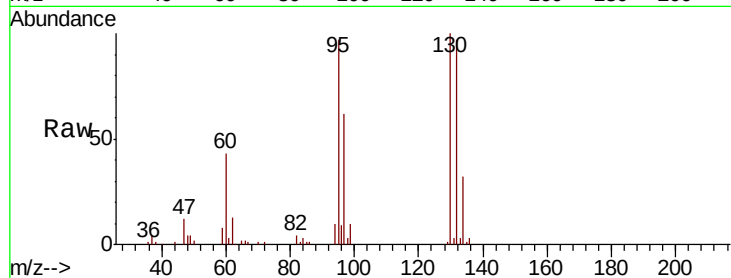
VSTDIC005

Tgt Ion:130 Resp: 56220

Ion Ratio Lower Upper

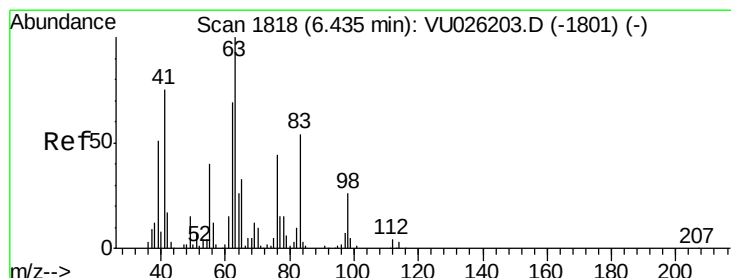
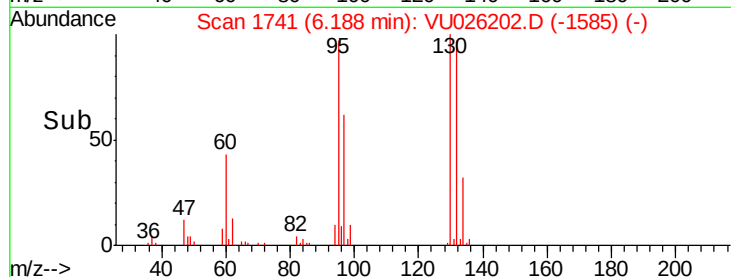
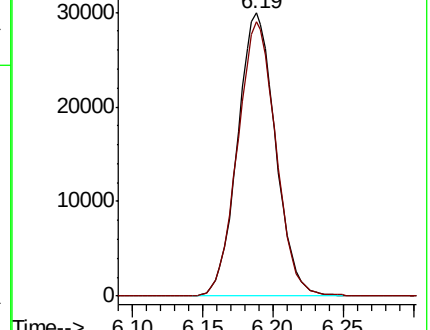
130 100

95 97.1 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU026203.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU026203.D (-1726) (-)



#38

1,2-Dichloropropane

Concen: 5.171 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026202.D

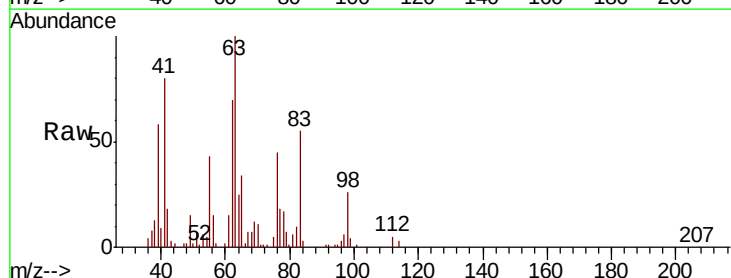
Acq: 20 Aug 2018 12:24

Tgt Ion: 63 Resp: 53396

Ion Ratio Lower Upper

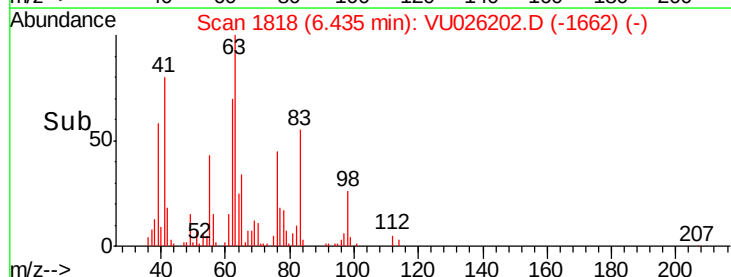
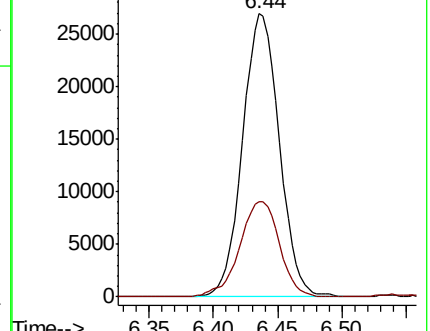
63 100

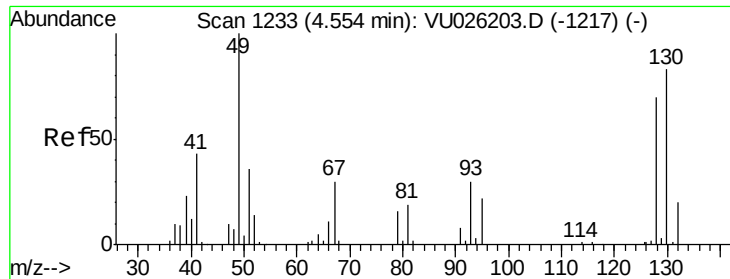
65 33.6 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026203.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU026203.D (-1801) (-)





#39

Methacrylonitrile

Concen: 4.946 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 16577

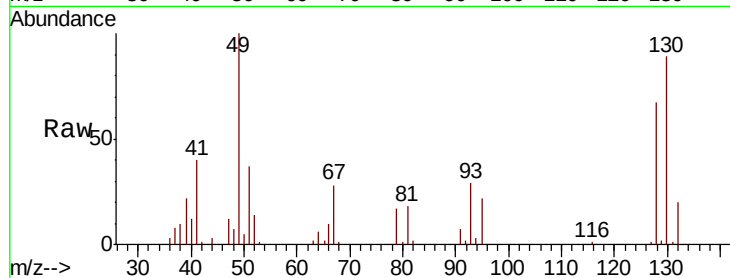
Ion Ratio Lower Upper

41 100

67 69.6 51.3 76.9

39 55.4 40.6 60.8

52 32.3 21.5 32.3

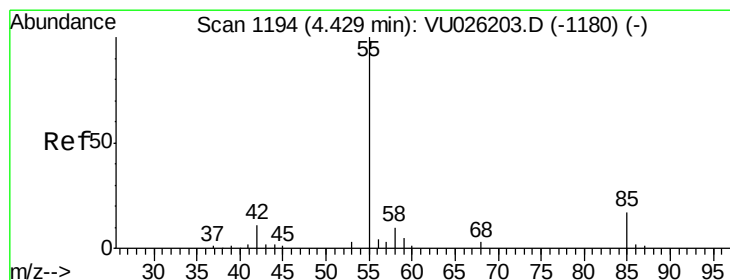
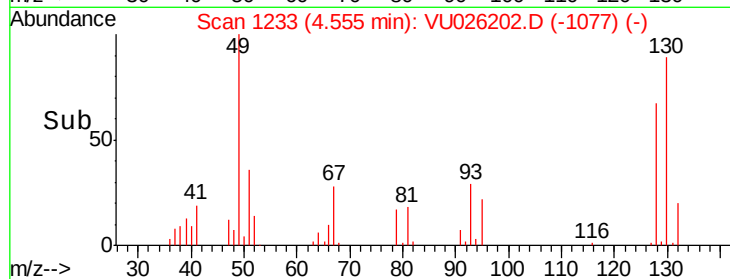
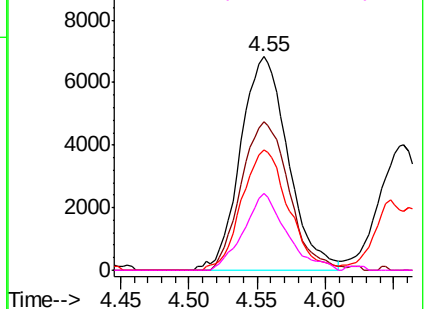


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 4.983 ug/l

RT: 4.43 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Tgt Ion: 55 Resp: 25186

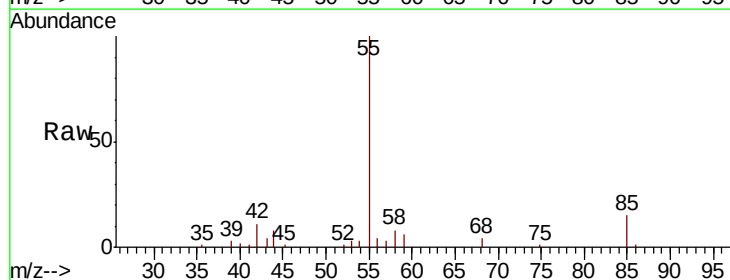
Ion Ratio Lower Upper

55 100

85 15.9 12.3 18.5

58 8.6 7.0 10.6

42 10.9 7.0 10.4#

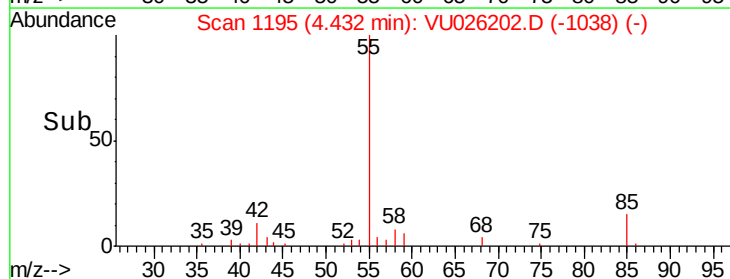
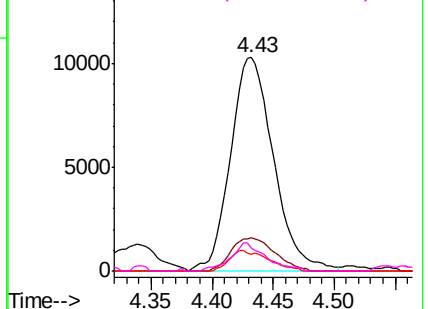


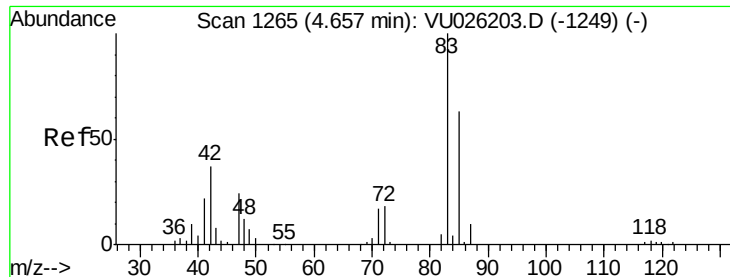
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 8.499 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

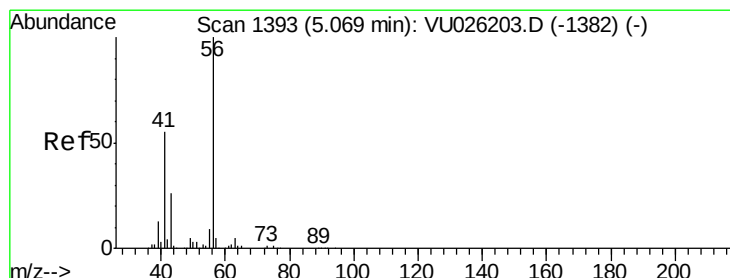
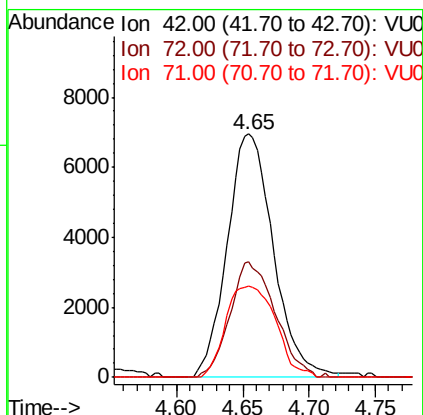
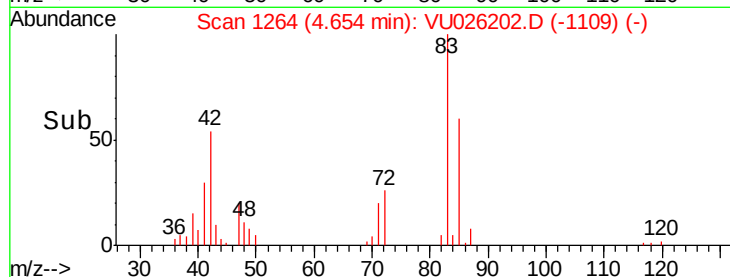
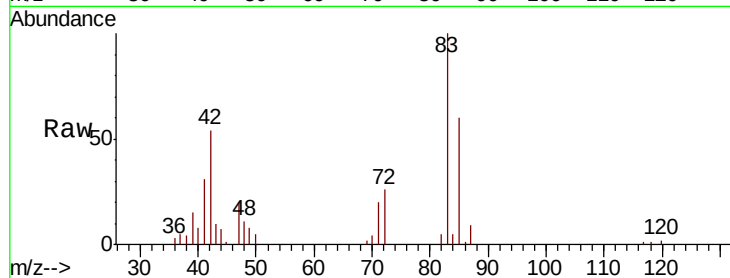
Tgt Ion: 42 Resp: 16832

Ion Ratio Lower Upper

42 100

72 46.5 33.2 49.8

71 40.5 29.8 44.8



#42

1-Chlorobutane

Concen: 5.059 ug/l

RT: 5.07 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU026202.D

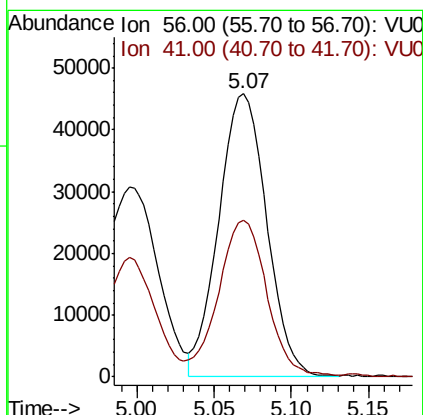
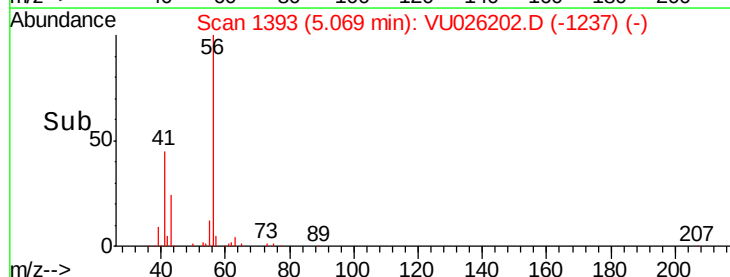
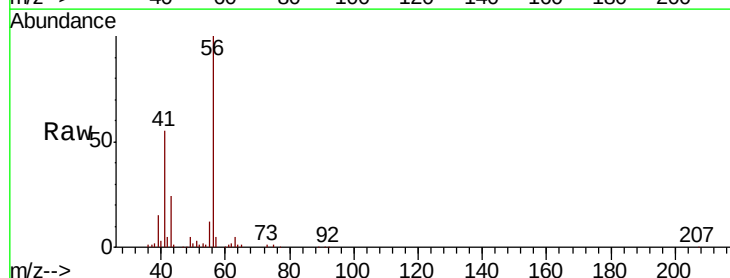
Acq: 20 Aug 2018 12:24

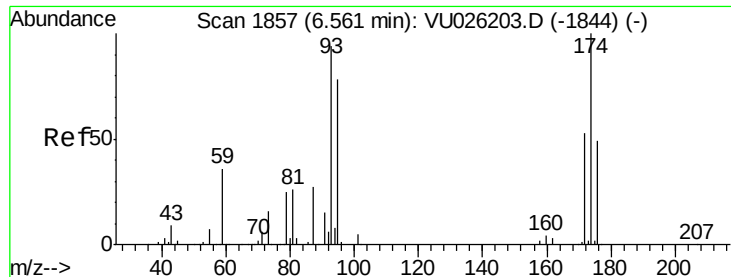
Tgt Ion: 56 Resp: 98173

Ion Ratio Lower Upper

56 100

41 55.4 27.5 82.5





#43

Dibromomethane

Concen: 5.280 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

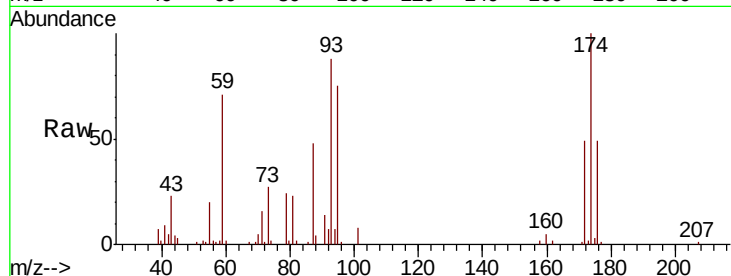
Tgt Ion: 93 Resp: 28460

Ion Ratio Lower Upper

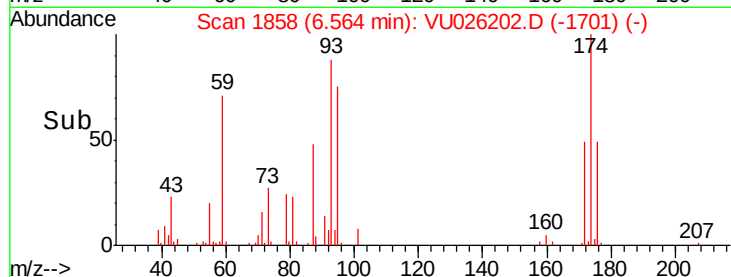
93 100

95 82.5 67.2 100.8

174 110.4 82.8 124.2



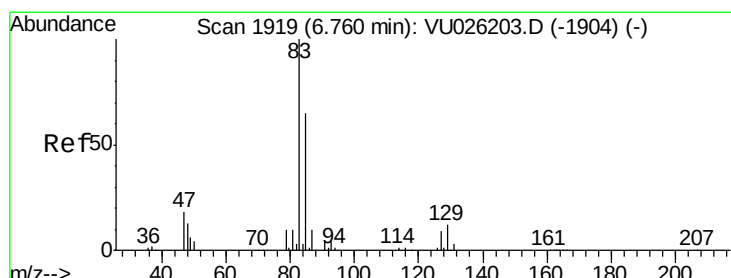
Abundance Ion 93.00 (92.70 to 93.70): VU026202.D (-1701) (-)



Ion 95.00 (94.70 to 95.70): VU026202.D (-1701) (-)

Ion 174.00 (173.70 to 174.70): VU026202.D (-1701) (-)

Time-->



#44

Bromodichloromethane

Concen: 5.378 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

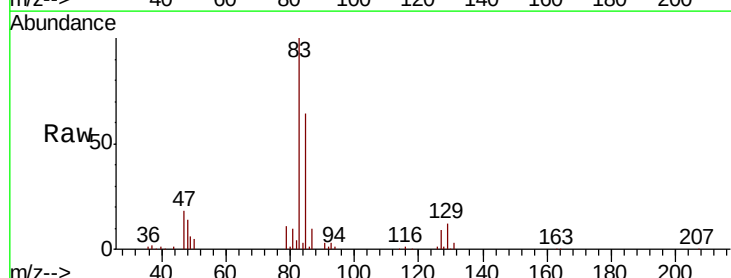
Tgt Ion: 83 Resp: 73474

Ion Ratio Lower Upper

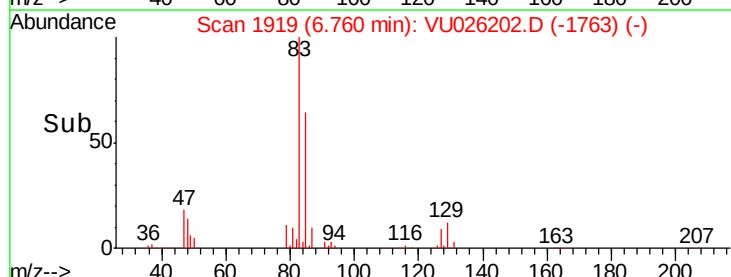
83 100

85 63.8 52.2 78.4

127 9.1 7.0 10.4



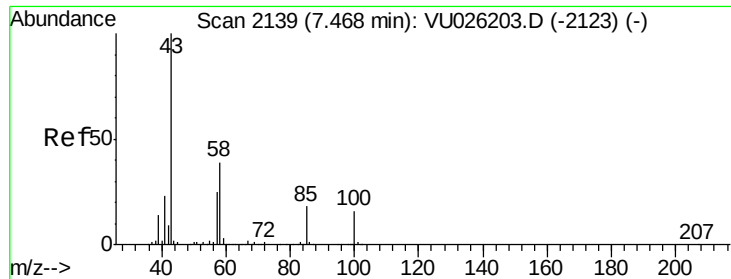
Abundance Ion 83.00 (82.70 to 83.70): VU026202.D (-1763) (-)



Ion 85.00 (84.70 to 85.70): VU026202.D (-1763) (-)

Ion 127.00 (126.70 to 127.70): VU026202.D (-1763) (-)

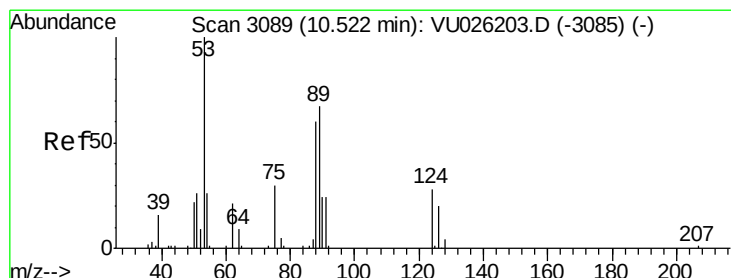
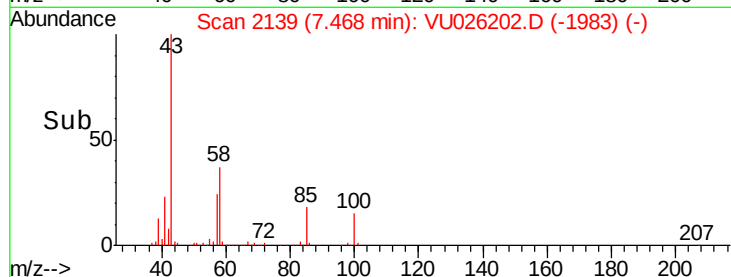
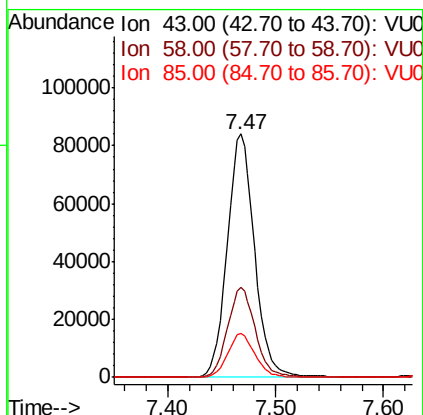
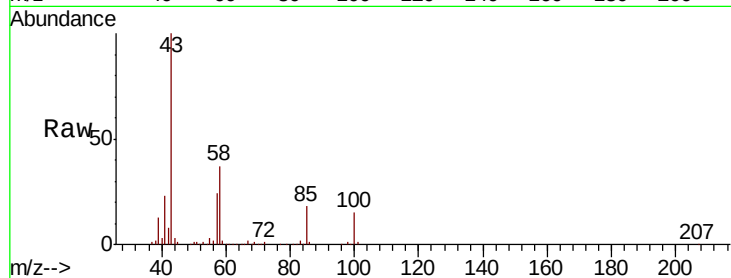
Time-->



#45
 4-Methyl-2-Pentanone
 Concen: 24.676 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

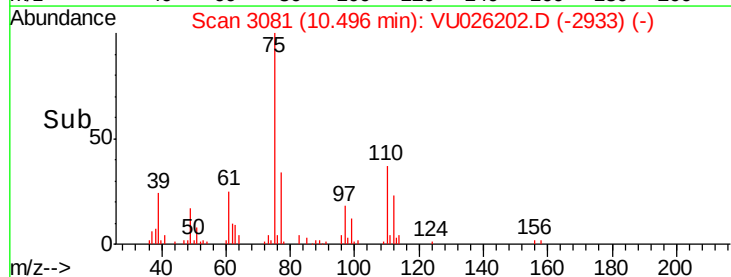
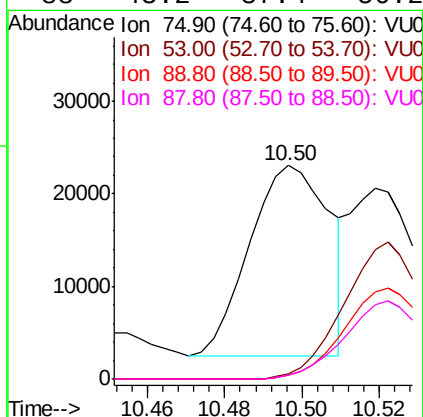
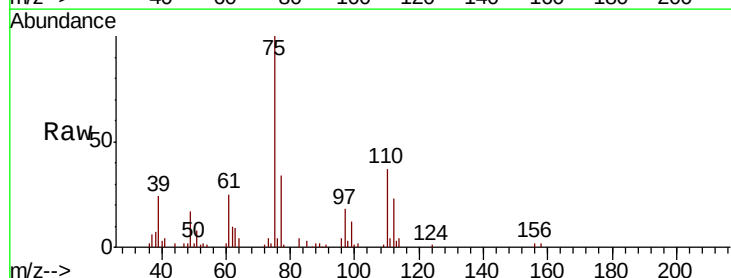
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

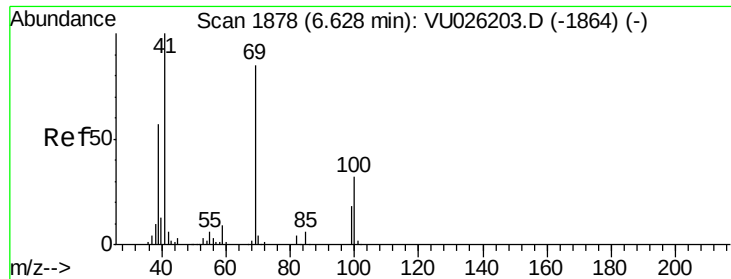
Tgt Ion: 43 Resp: 148359
 Ion Ratio Lower Upper
 43 100
 58 37.5 18.8 56.4
 85 17.9 12.6 19.0



#46
 t-1,4-Dichloro-2-butene
 Concen: 12.112 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.03 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 75 Resp: 29340
 Ion Ratio Lower Upper
 75 100
 53 75.0 82.2 123.4#
 89 51.1 51.3 76.9#
 88 43.2 37.4 56.2





#47

Methyl methacrylate

Concen: 10.079 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 69 Resp: 45438

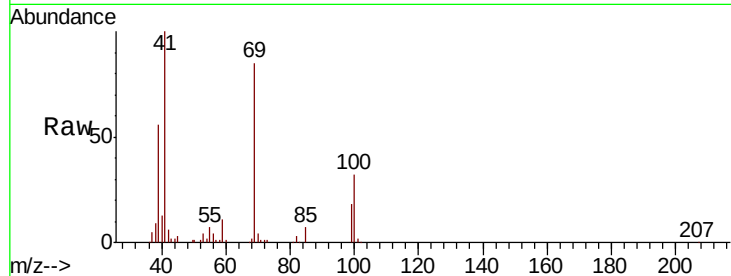
Ion Ratio Lower Upper

69 100

41 117.6 0.0 245.4

39 64.5 49.0 73.4

100 38.0 27.8 41.8

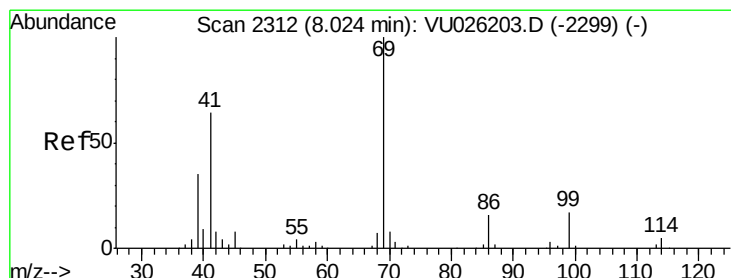
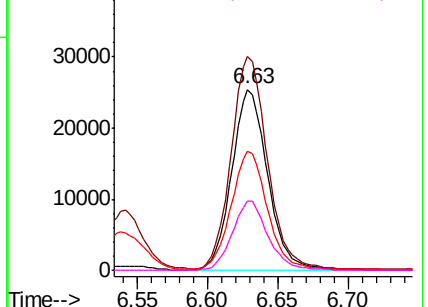
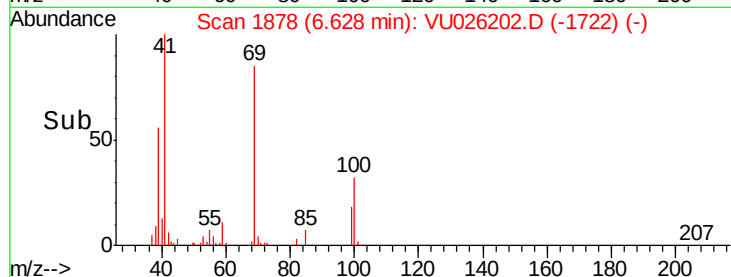


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 4.528 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU026202.D

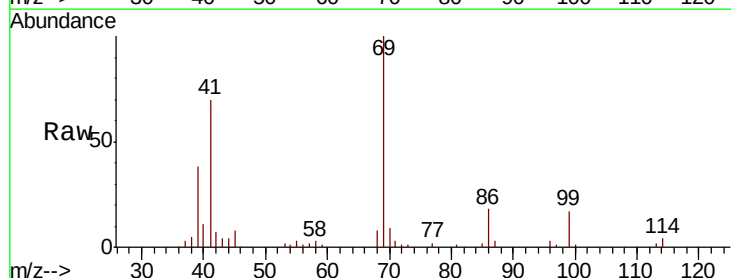
Acq: 20 Aug 2018 12:24

Tgt Ion: 69 Resp: 41005

Ion Ratio Lower Upper

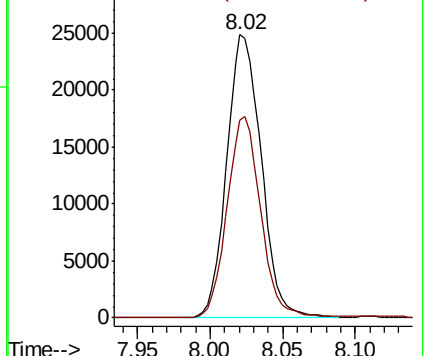
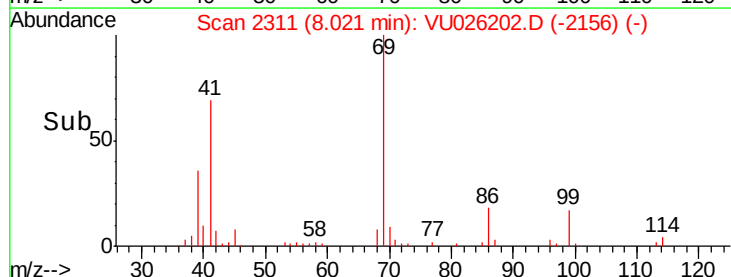
69 100

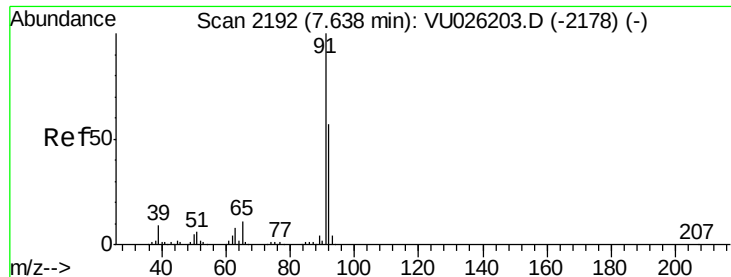
41 69.3 34.2 102.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 5.076 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

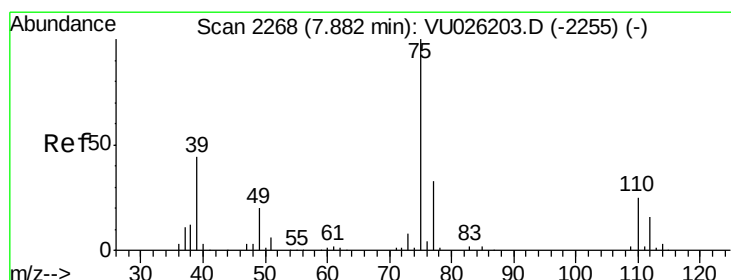
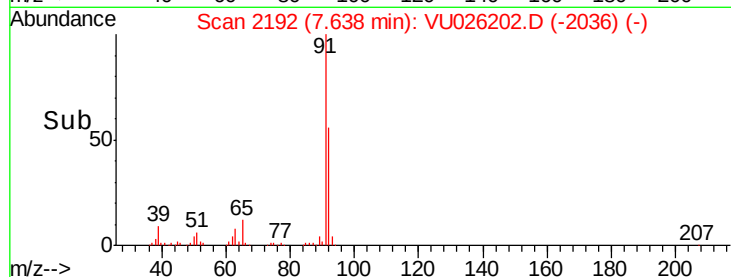
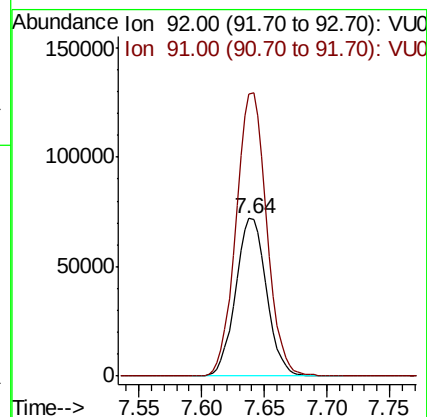
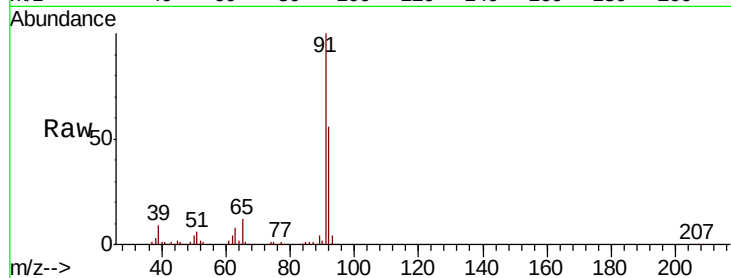
VSTDIC005

Tgt Ion: 92 Resp: 123452

Ion Ratio Lower Upper

92 100

91 177.7 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 5.194 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026202.D

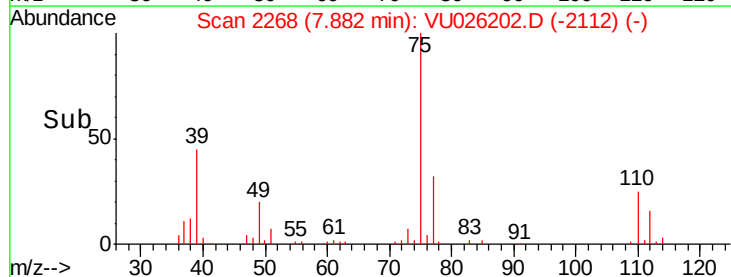
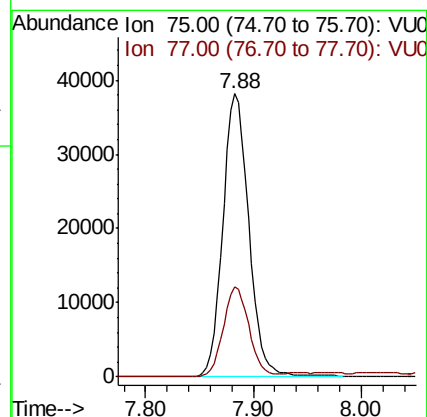
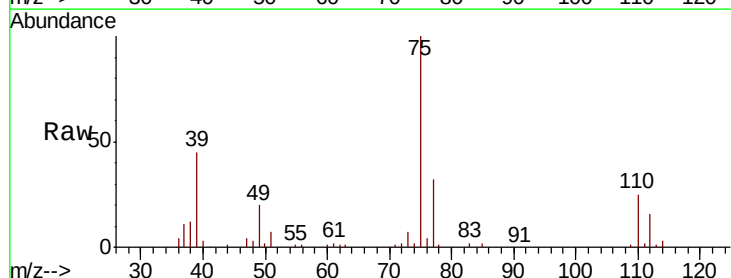
Acq: 20 Aug 2018 12:24

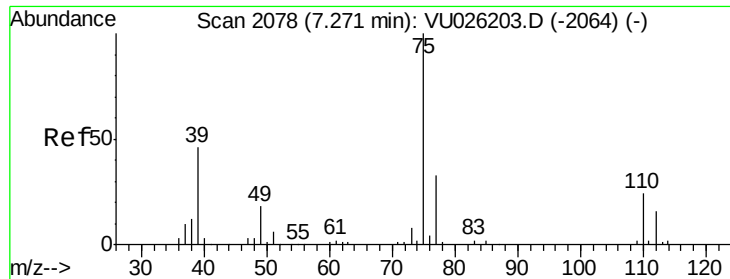
Tgt Ion: 75 Resp: 64049

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



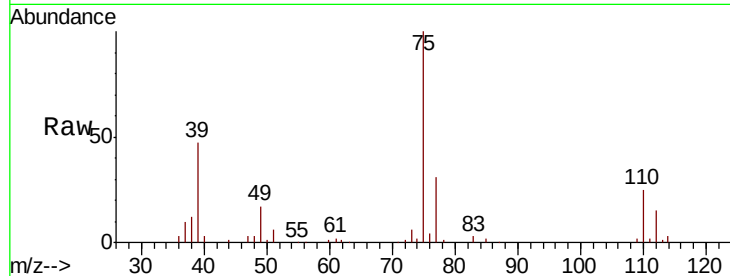


#51

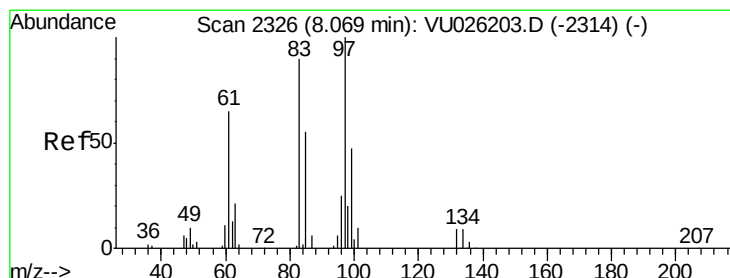
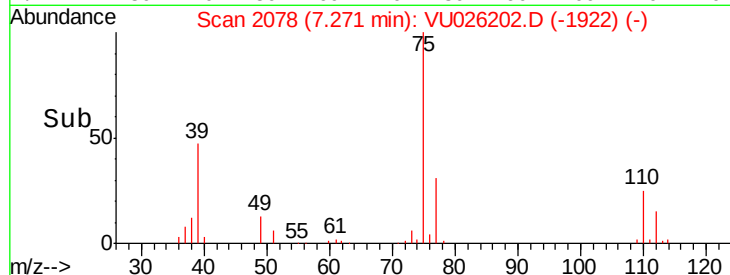
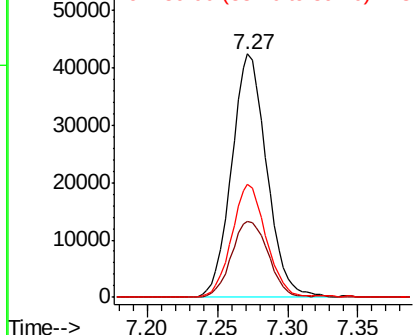
cis-1,3-Dichloropropene
Concen: 5.012 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 74040
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 46.7 36.4 54.6



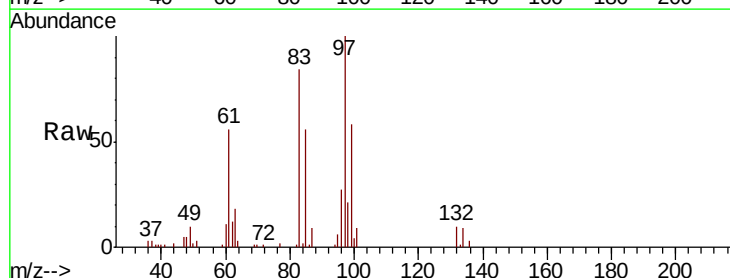
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



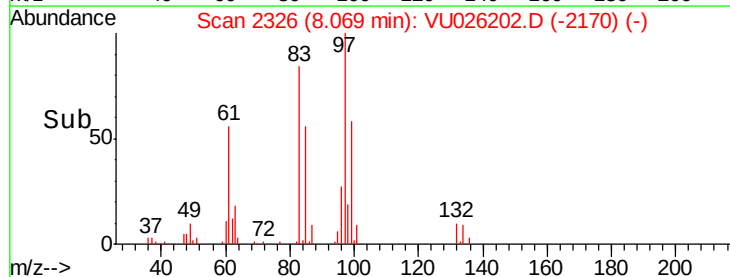
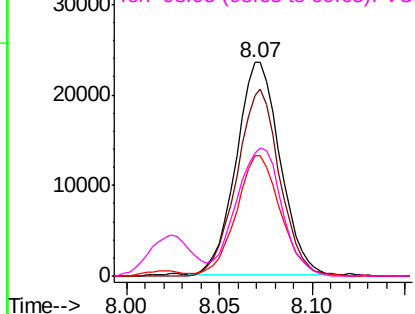
#52

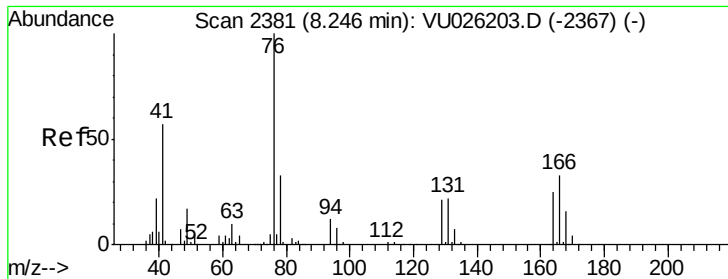
1,1,2-Trichloroethane
Concen: 5.363 ug/l
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 97 Resp: 38760
Ion Ratio Lower Upper
97 100
83 84.8 72.6 109.0
85 56.1 47.2 70.8
99 57.8 50.8 76.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 84.95 (84.65 to 85.65): VU0
Ion 98.95 (98.65 to 99.65): VU0

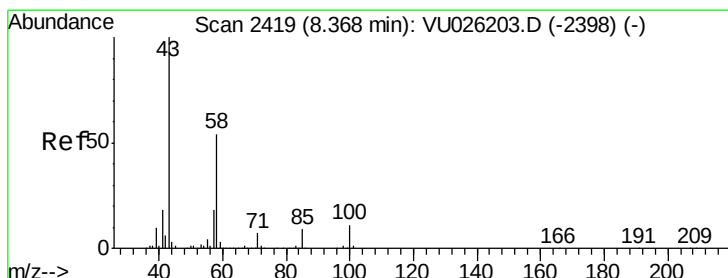
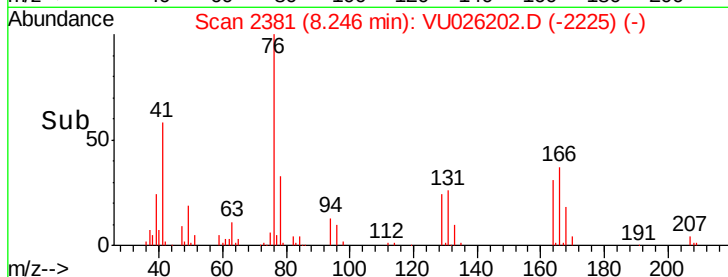
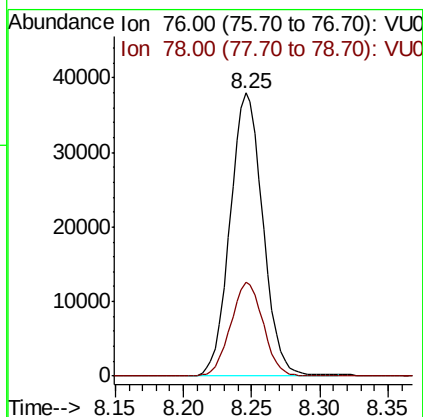
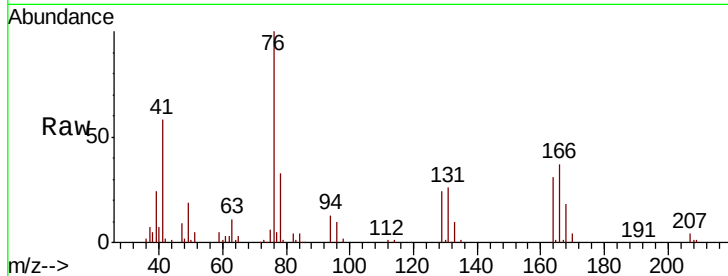




#53
 1,3-Dichloropropane
 Concen: 5.198 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

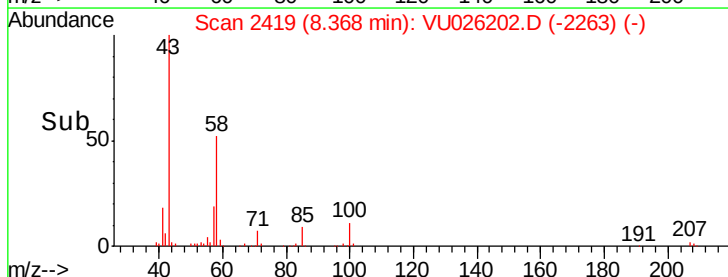
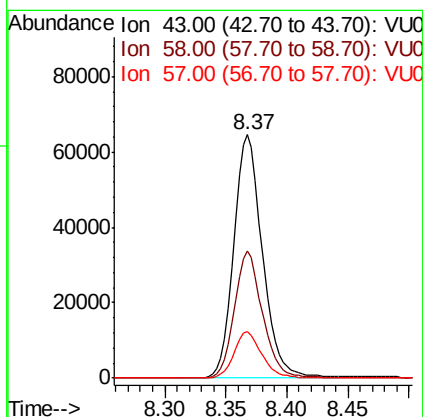
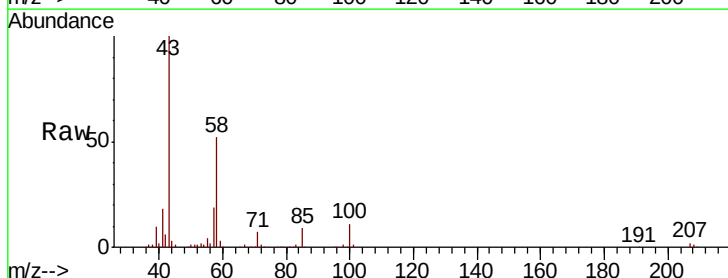
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

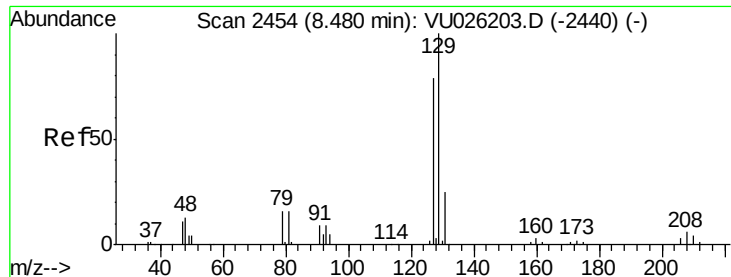
Tgt Ion: 76 Resp: 63426
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#54
 2-Hexanone
 Concen: 24.821 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion: 43 Resp: 105389
 Ion Ratio Lower Upper
 43 100
 58 50.9 32.5 72.5
 57 18.5 0.0 37.9

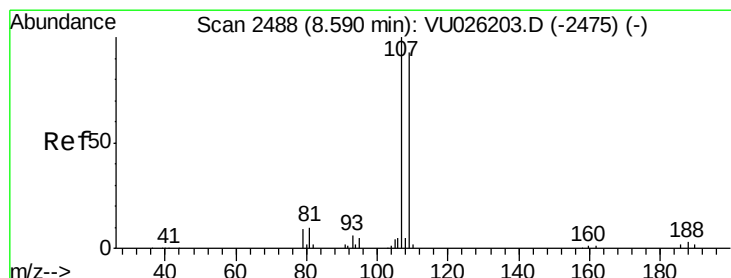
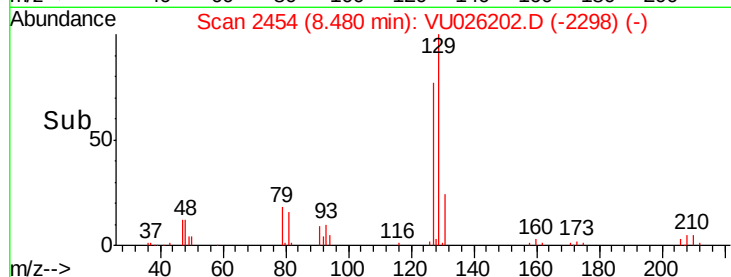
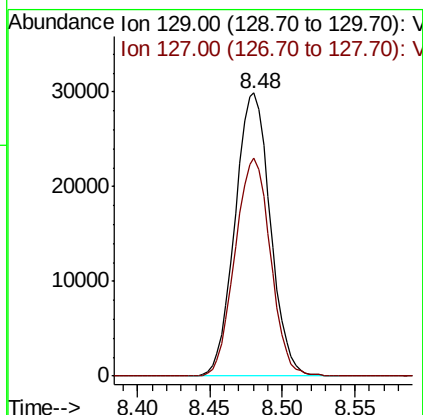
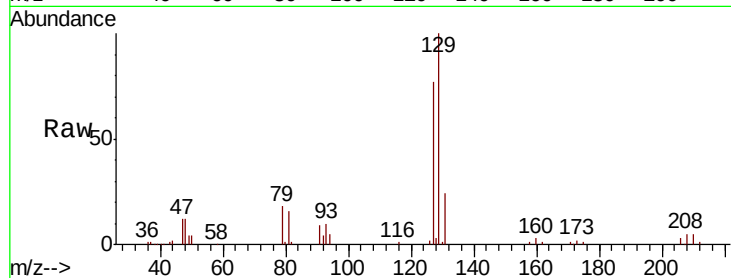




#55
 Dibromochloromethane
 Concen: 5.512 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

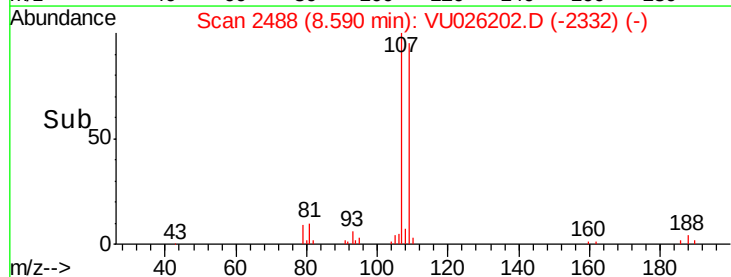
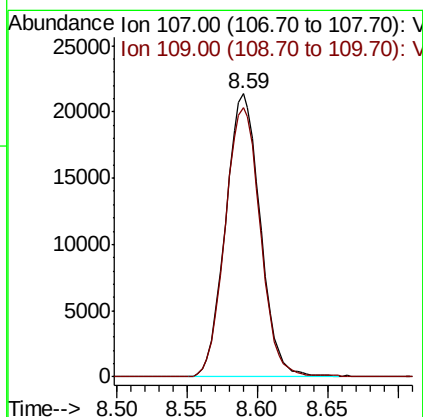
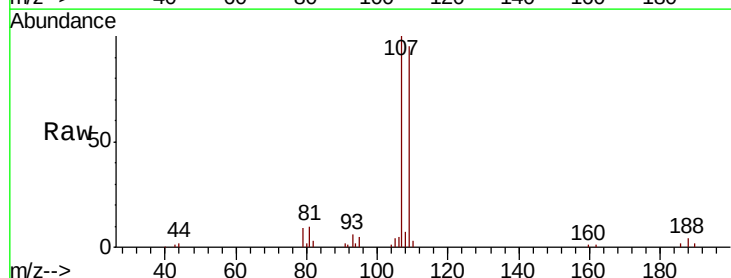
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

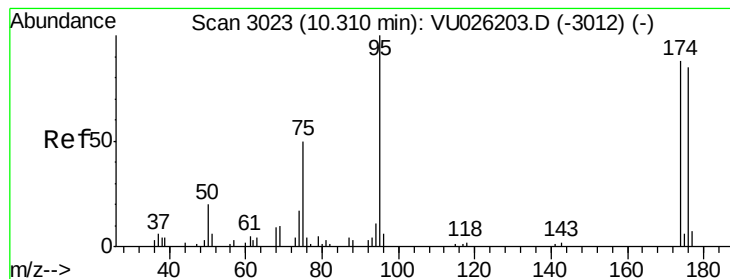
Tgt Ion:129 Resp: 50651
 Ion Ratio Lower Upper
 129 100
 127 77.3 61.1 91.7



#56
 1,2-Dibromoethane
 Concen: 5.247 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion:107 Resp: 36698
 Ion Ratio Lower Upper
 107 100
 109 96.3 0.0 189.0





#57

4-Bromofluorobenzene

Concen: 5.247 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

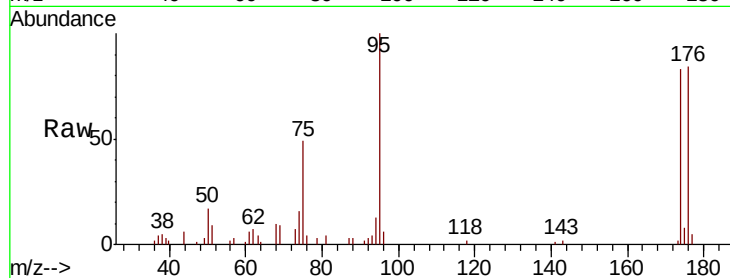
Tgt Ion: 95 Resp: 13480

Ion Ratio Lower Upper

95 100

174 89.6 65.6 98.4

176 88.2 62.0 93.0

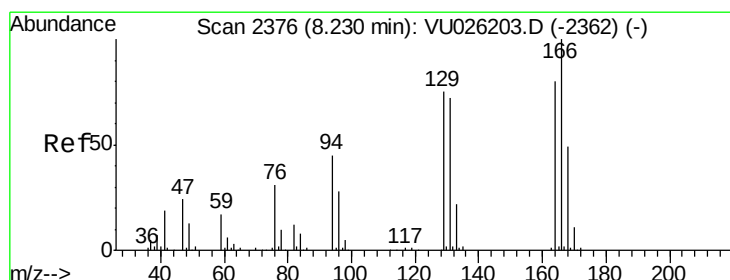
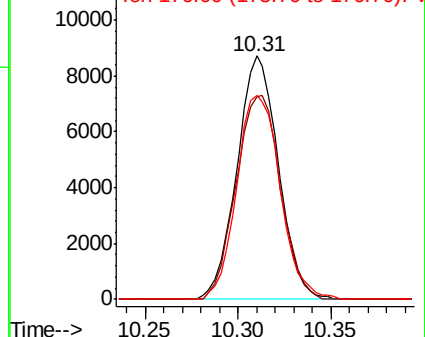
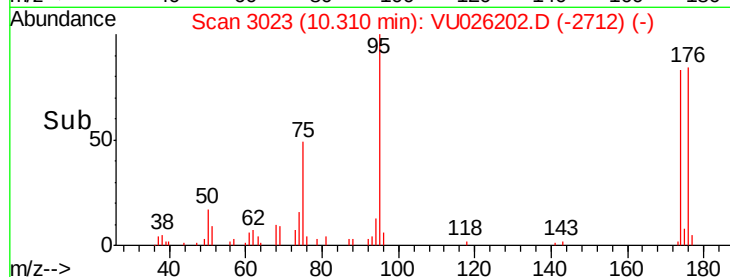


Abundance

Ion 95.00 (94.70 to 95.70): VU026202.D (-2220) (-)

Ion 174.00 (173.70 to 174.70): VU026202.D (-2220) (-)

Ion 176.00 (175.70 to 176.70): VU026202.D (-2220) (-)



#58

Tetrachloroethene

Concen: 5.187 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Tgt Ion: 164 Resp: 54654

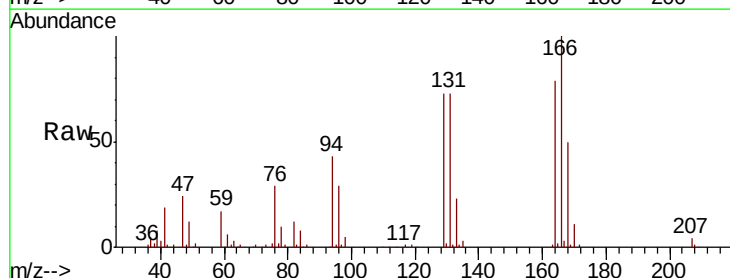
Ion Ratio Lower Upper

164 100

166 125.8 104.1 156.1

129 91.8 76.8 115.2

131 92.5 72.6 108.8



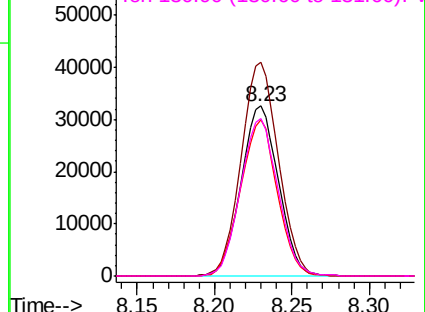
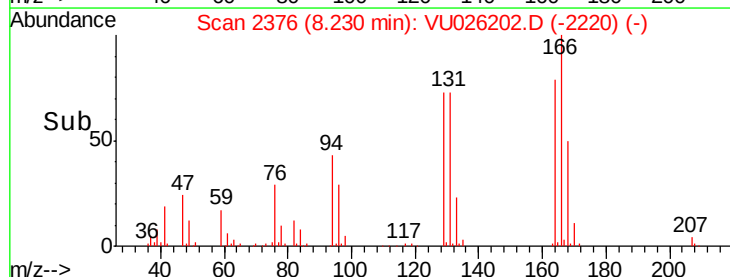
Abundance

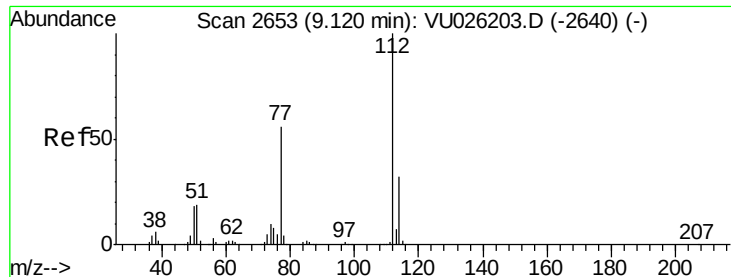
Ion 163.85 (163.55 to 164.55): VU026202.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026202.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026202.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026202.D (-2220) (-)





#59

Chlorobenzene

Concen: 4.942 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

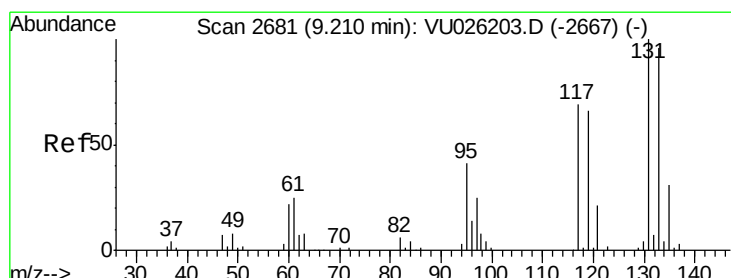
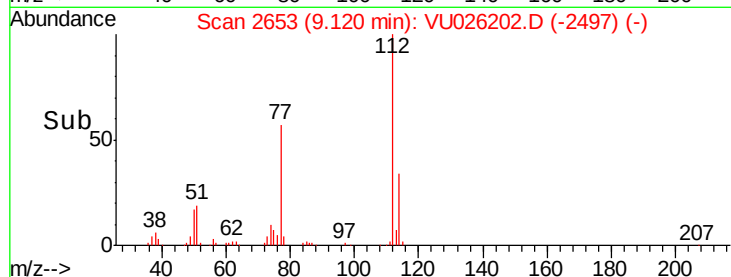
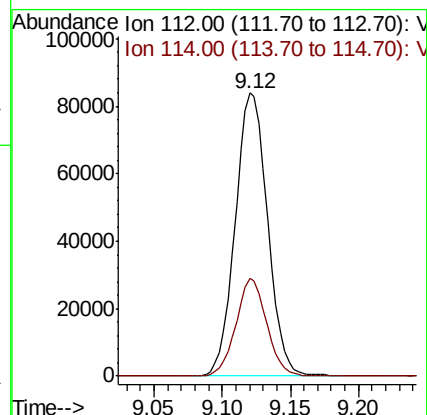
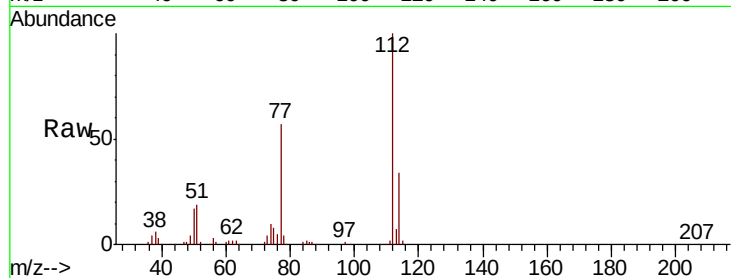
VSTDIC005

Tgt Ion:112 Resp: 138224

Ion Ratio Lower Upper

112 100

114 34.4 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 5.235 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

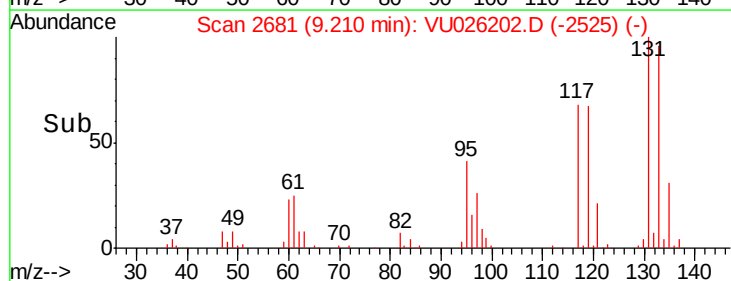
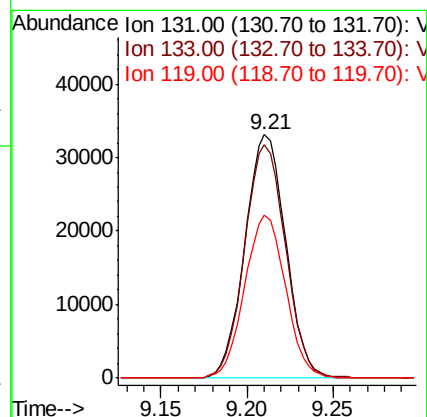
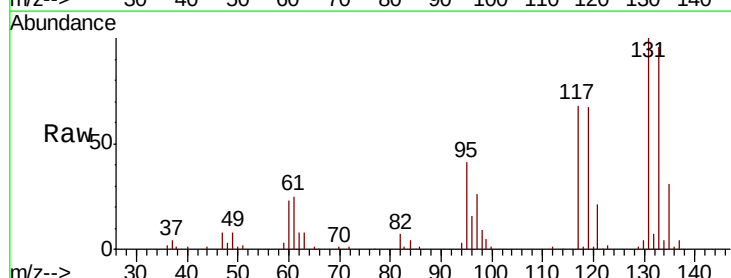
Tgt Ion:131 Resp: 54371

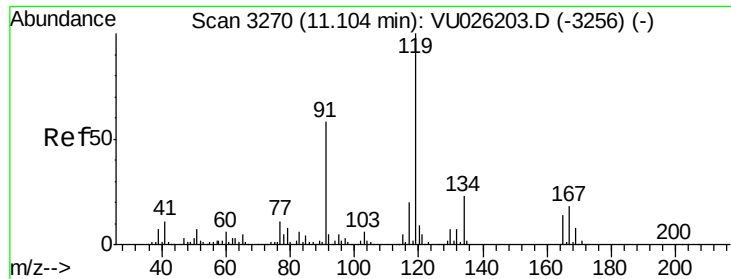
Ion Ratio Lower Upper

131 100

133 96.7 75.8 113.8

119 67.1 53.0 79.6

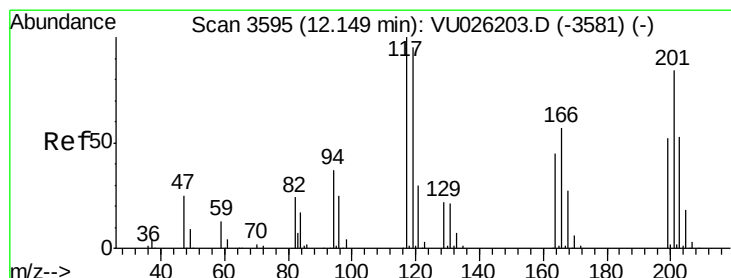
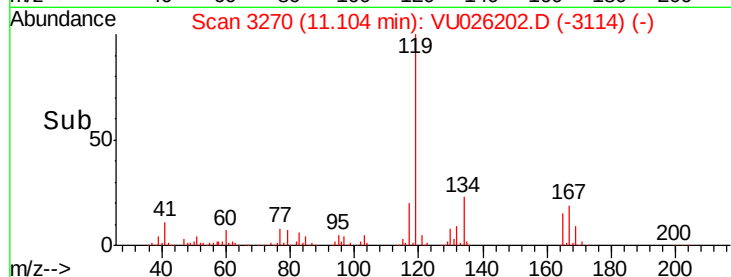
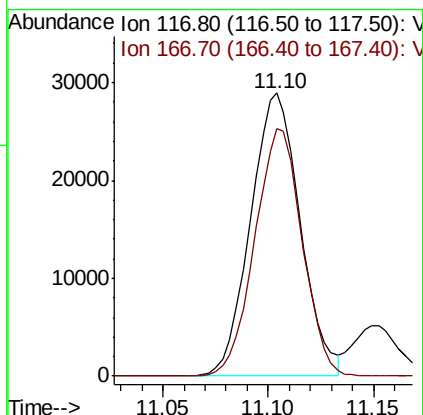
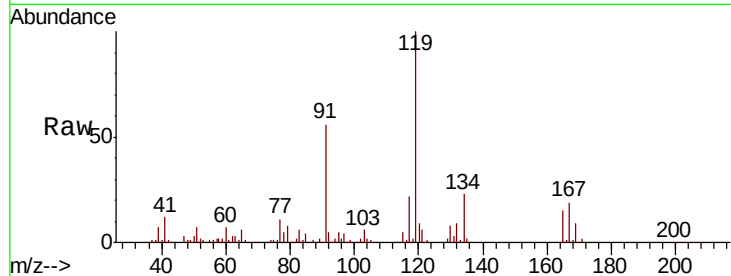




#61
 Pentachloroethane
 Concen: 5.979 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

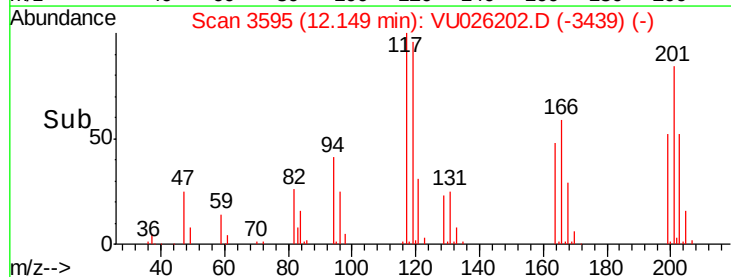
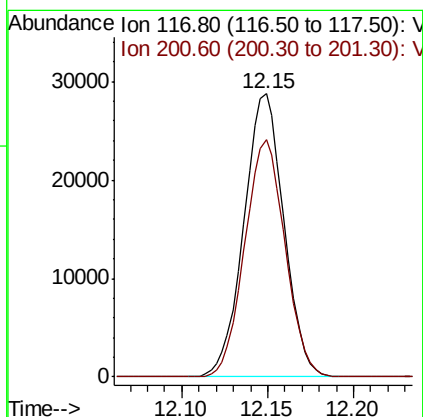
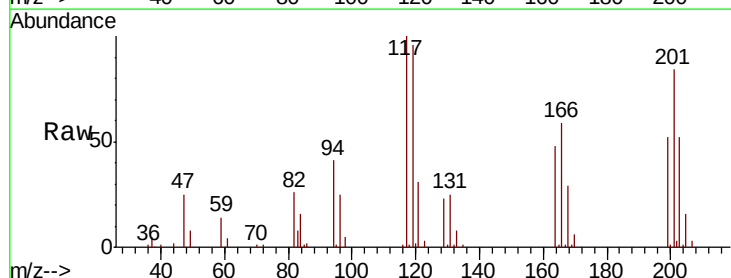
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

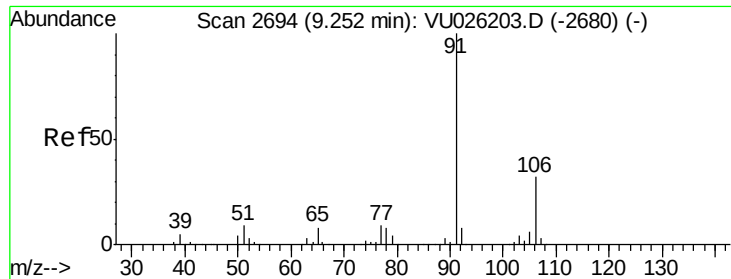
Tgt Ion:117 Resp: 47394
 Ion Ratio Lower Upper
 117 100
 167 83.3 69.2 103.8



#62
 Hexachloroethane
 Concen: 5.724 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion:117 Resp: 46327
 Ion Ratio Lower Upper
 117 100
 201 84.5 68.7 103.1

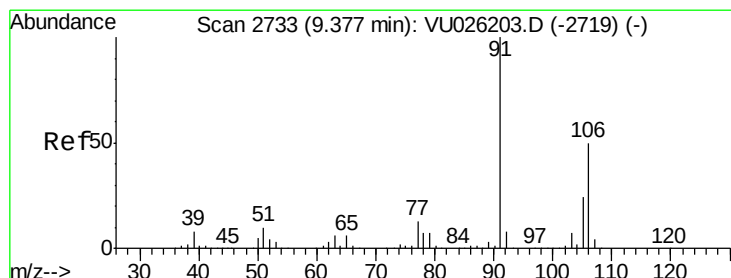
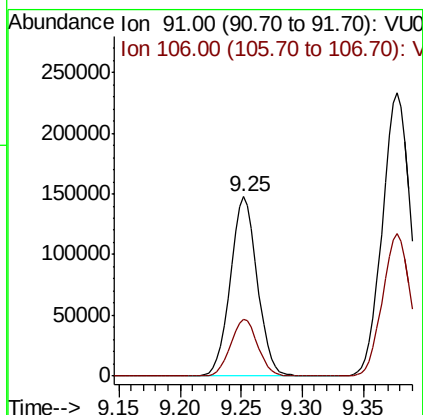
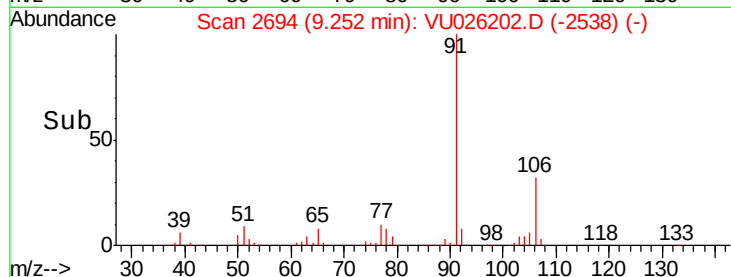
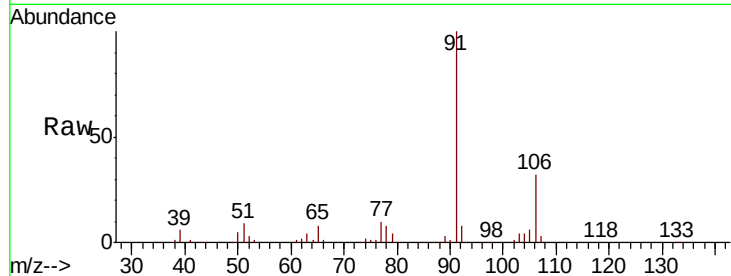




#63
Ethyl Benzene
Concen: 4.902 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

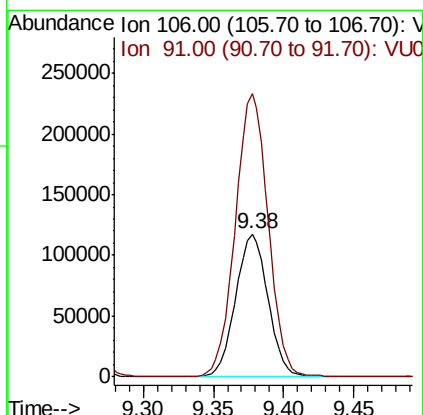
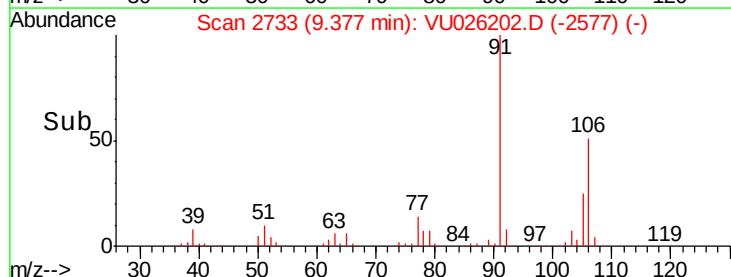
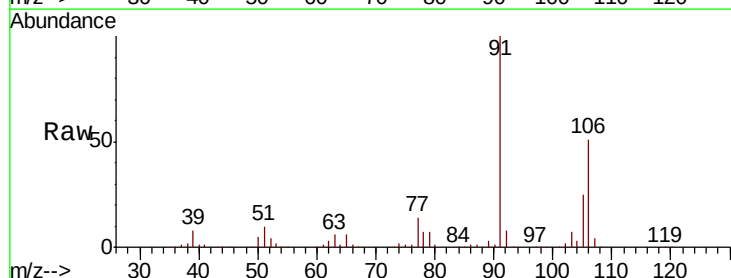
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

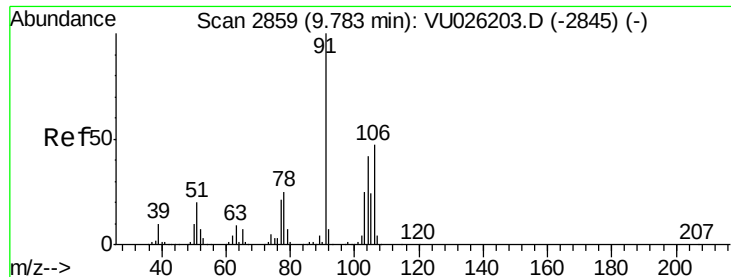
Tgt Ion: 91 Resp: 228066
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1



#64
m/p-Xylenes
Concen: 10.375 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion: 106 Resp: 189725
Ion Ratio Lower Upper
106 100
91 200.0 164.1 246.1

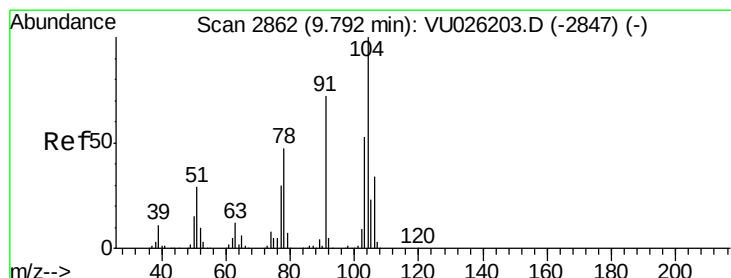
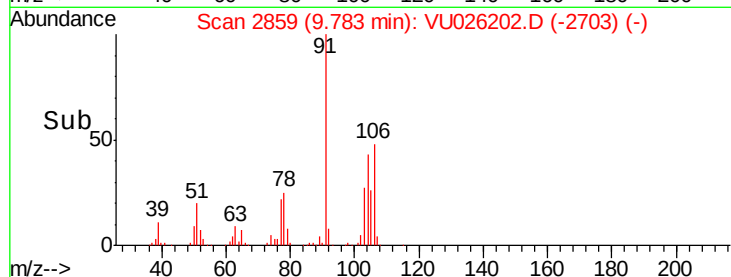
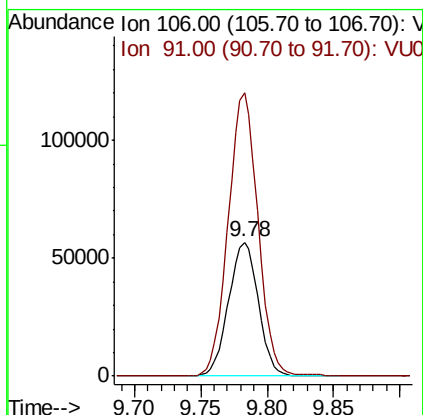
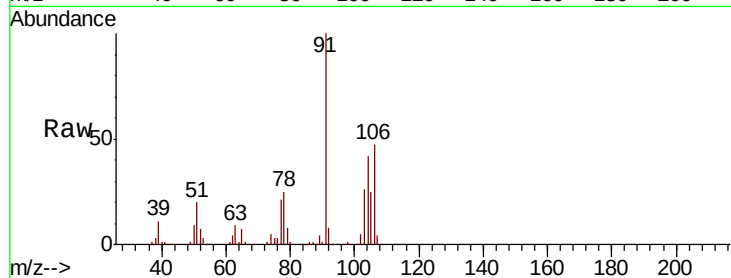




#65
o-Xylene
Concen: 5.090 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

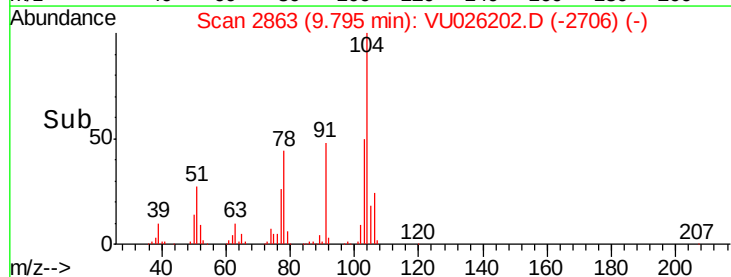
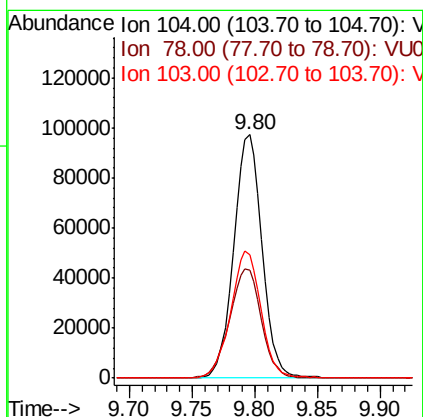
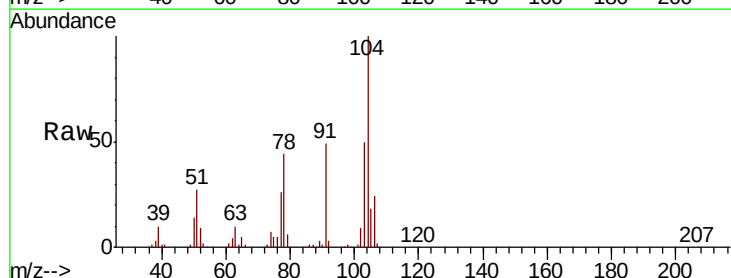
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

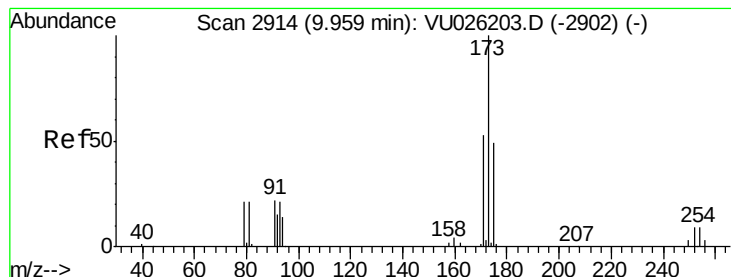
Tgt Ion:106 Resp: 88701
Ion Ratio Lower Upper
106 100
91 211.2 107.9 323.7



#66
Styrene
Concen: 5.159 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion:104 Resp: 152692
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 55.5 44.2 66.4





#67

Bromoform

Concen: 5.690 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

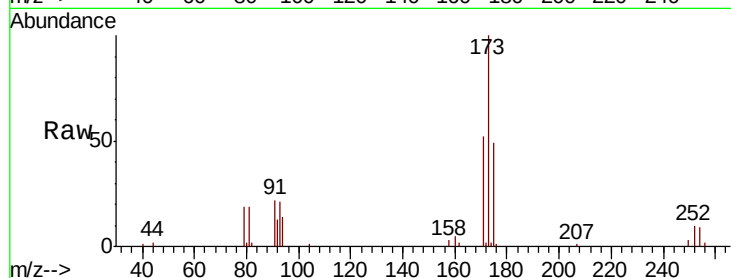
Tgt Ion:173 Resp: 30851

Ion Ratio Lower Upper

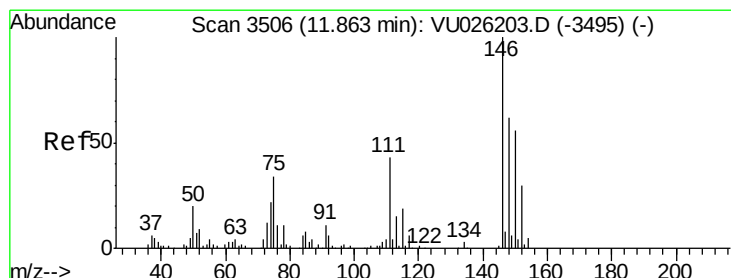
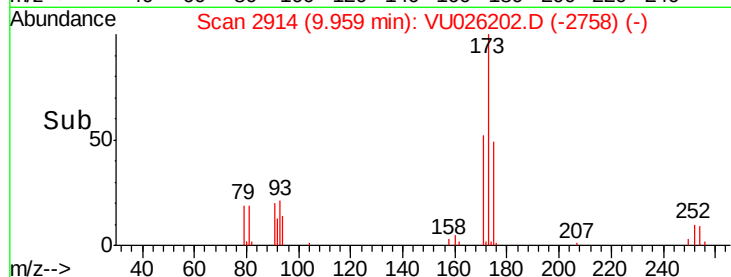
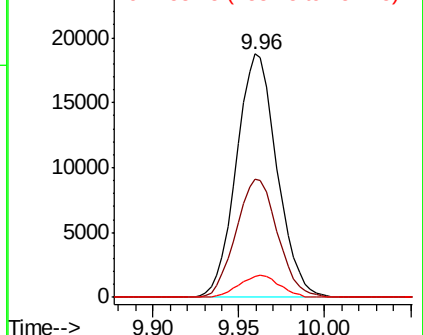
173 100

175 49.6 38.6 57.8

254 9.0 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: 5.690 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

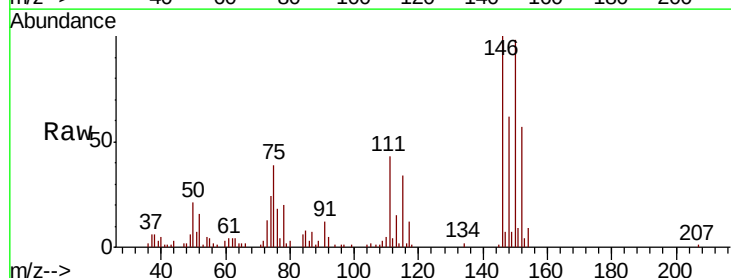
Tgt Ion:152 Resp: 14821

Ion Ratio Lower Upper

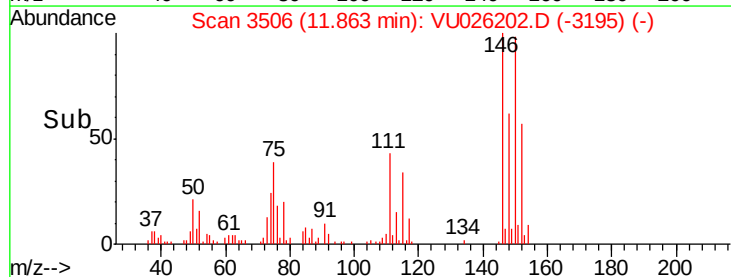
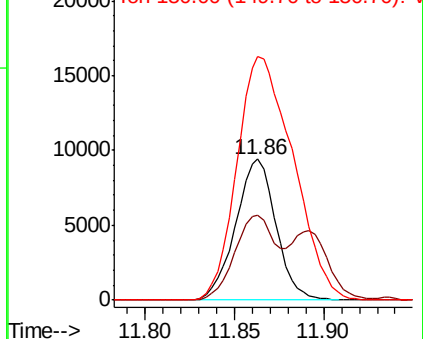
152 100

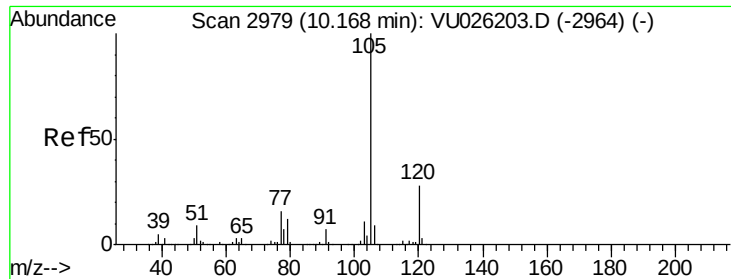
115 59.4 0.0 118.8

150 241.1 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: 4.853 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

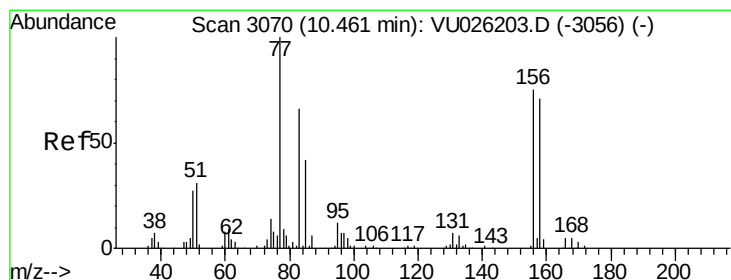
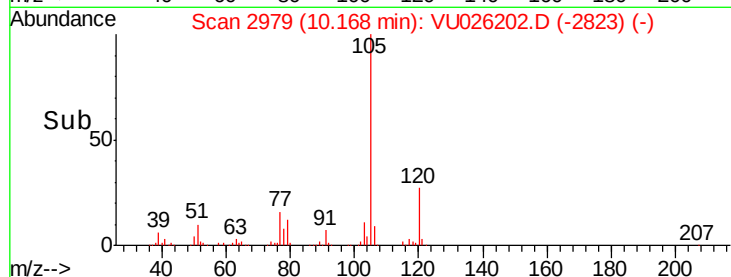
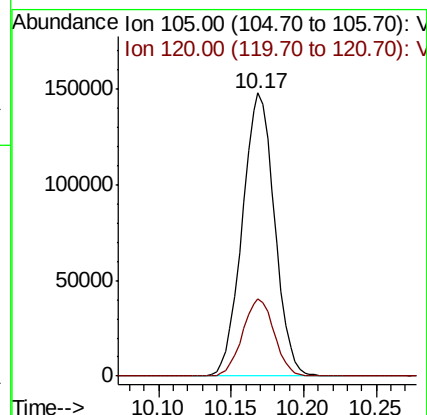
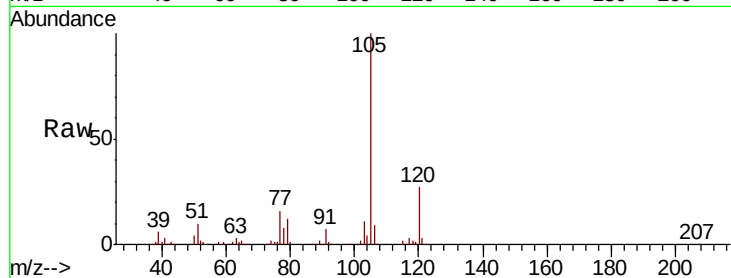
VSTDIC005

Tgt Ion:105 Resp: 228518

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 5.288 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

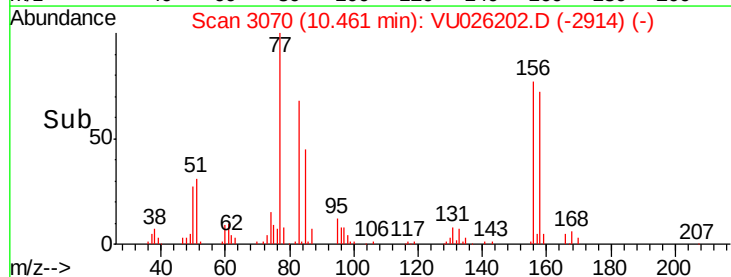
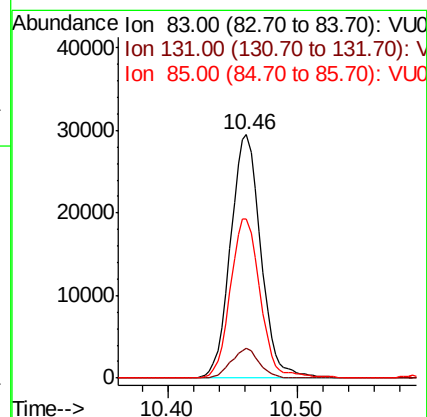
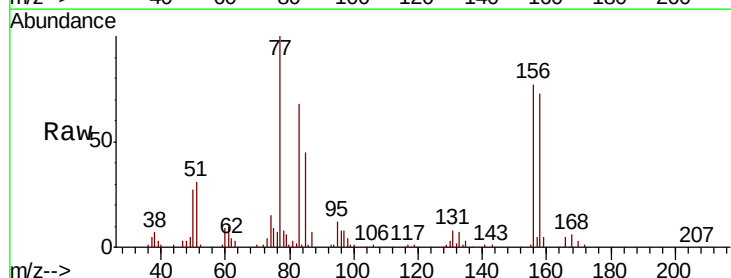
Tgt Ion: 83 Resp: 48025

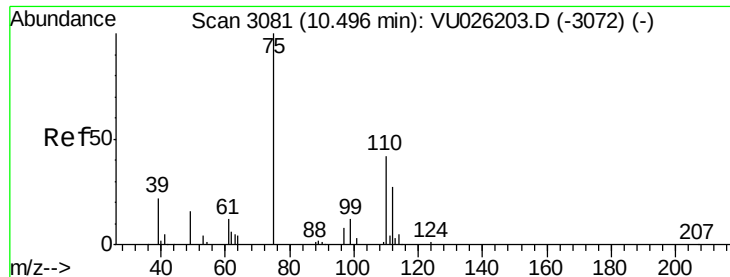
Ion Ratio Lower Upper

83 100

131 11.2 7.9 11.9

85 64.7 51.8 77.6

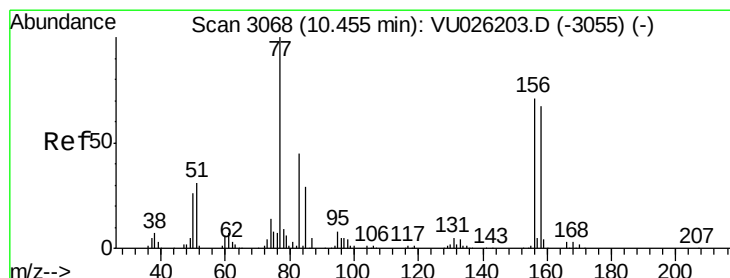
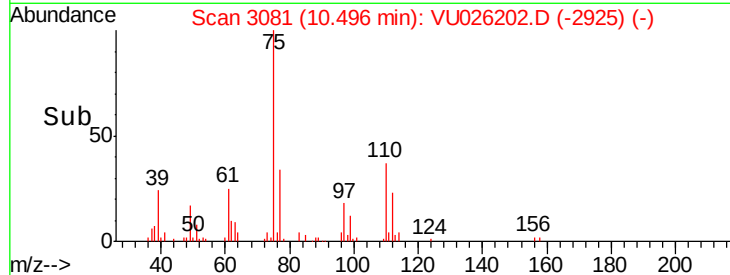
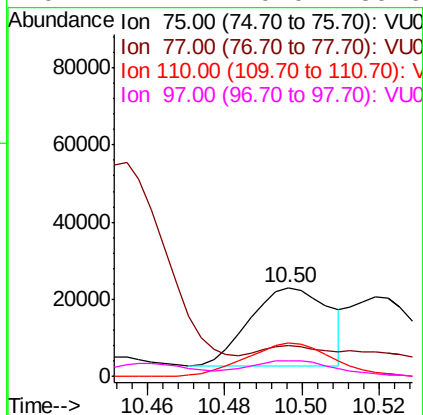
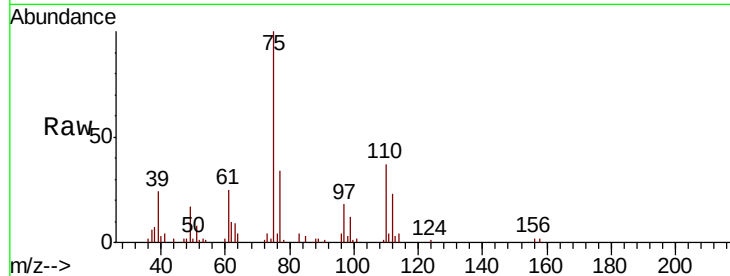




#71
 1,2,3-Trichloropropane
 Concen: 4.146 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

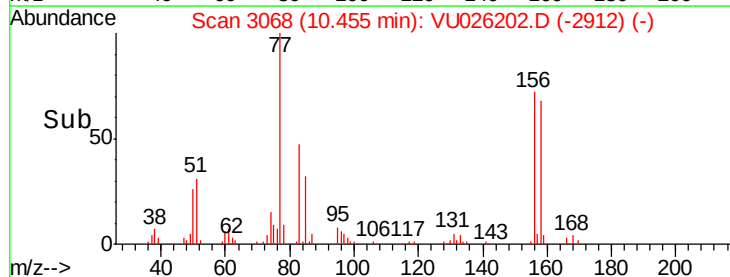
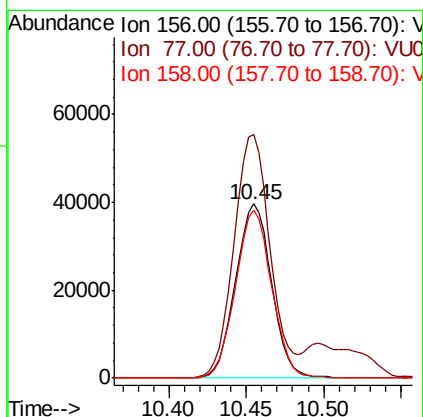
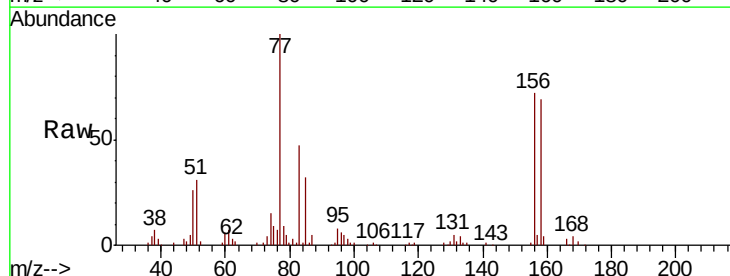
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

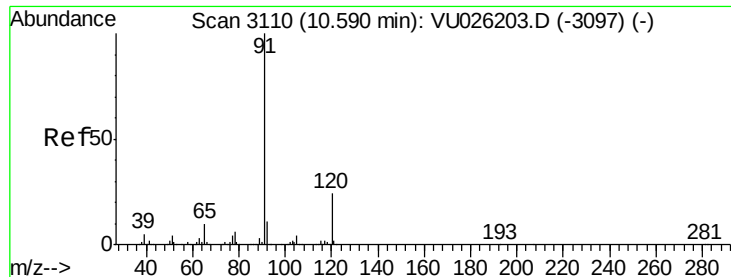
Tgt Ion:	75	Resp:	29340
Ion	Ratio	Lower	Upper
75	100		
77	68.3	0.0	0.0#
110	45.7	0.0	74.0
97	22.1	0.0	39.6



#72
 Bromobenzene
 Concen: 5.256 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion:	156	Resp:	64261
Ion	Ratio	Lower	Upper
156	100		
77	140.9	0.0	309.8
158	96.4	0.0	193.0

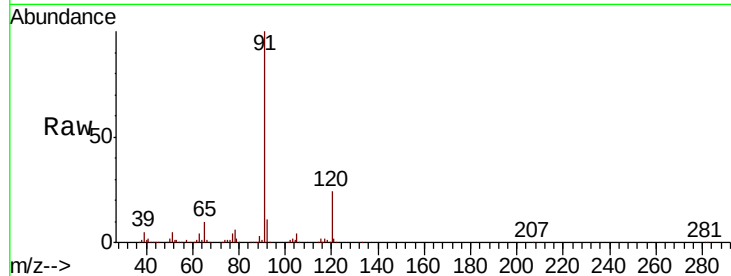




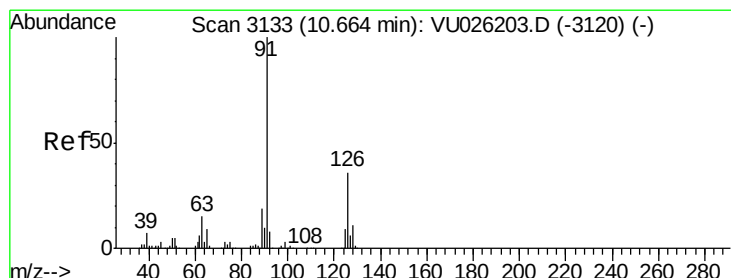
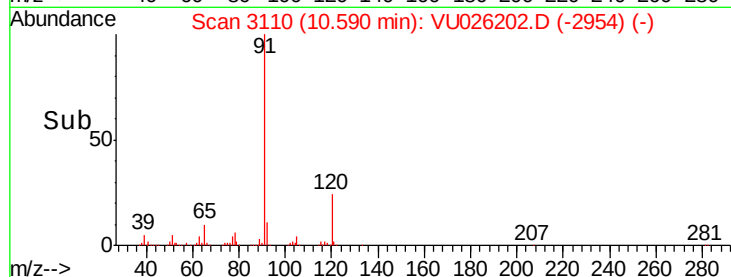
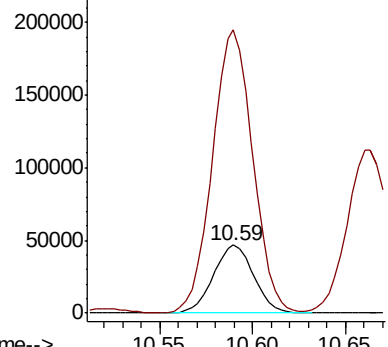
#73
n-propylbenzene
Concen: 5.291 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:120 Resp: 70198
Ion Ratio Lower Upper
120 100
91 417.3 352.2 528.4

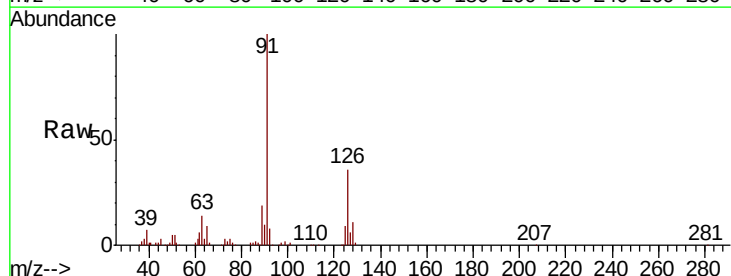


Abundance Ion 120.00 (119.70 to 120.70): V
Ion 91.00 (90.70 to 91.70): VU0

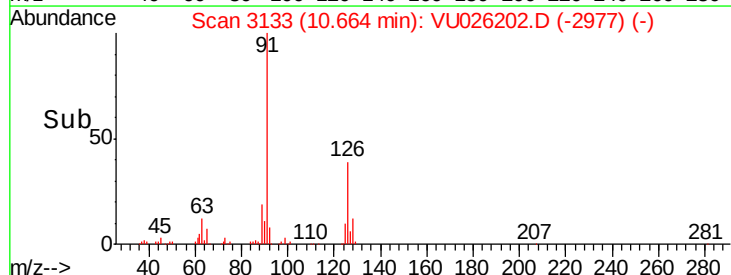
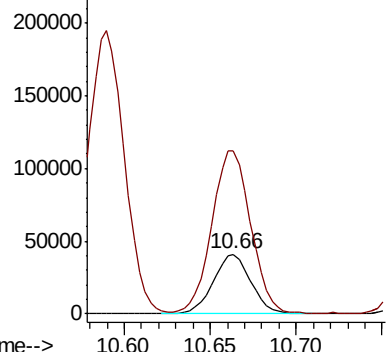


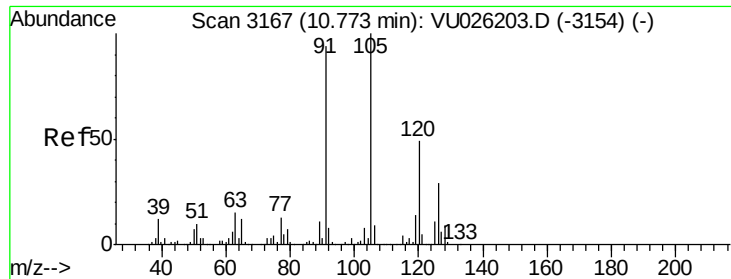
#74
2-Chlorotoluene
Concen: 5.289 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU026202.D
Acq: 20 Aug 2018 12:24

Tgt Ion:126 Resp: 61777
Ion Ratio Lower Upper
126 100
91 282.6 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 5.222 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

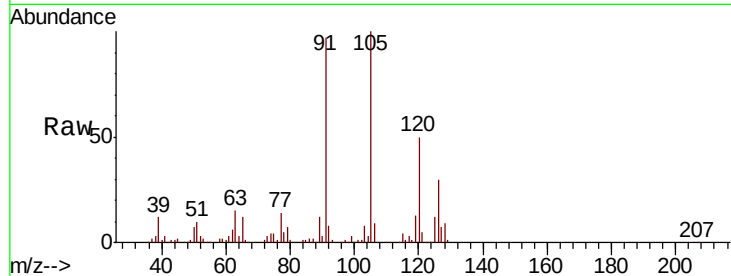
VSTDIC005

Tgt Ion:105 Resp: 214699

Ion Ratio Lower Upper

105 100

120 48.5 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

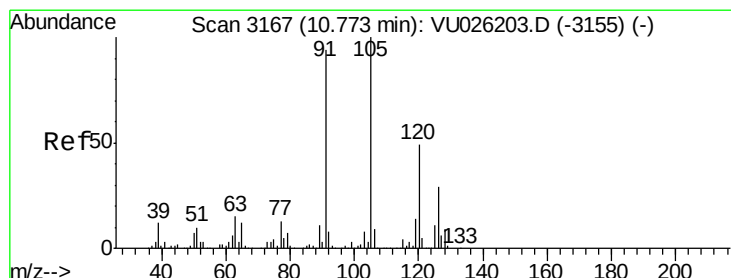
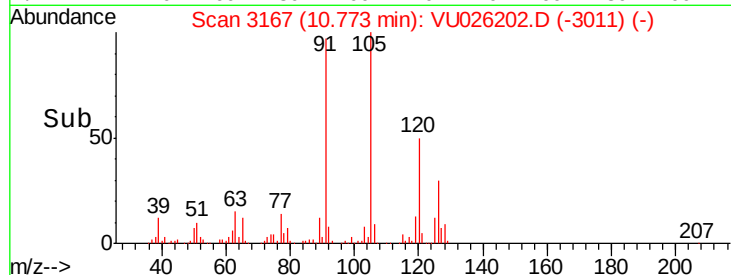
100000

50000

0

10.70 10.75 10.80 10.85

Time-->



#76

4-Chlorotoluene

Concen: 5.245 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026202.D

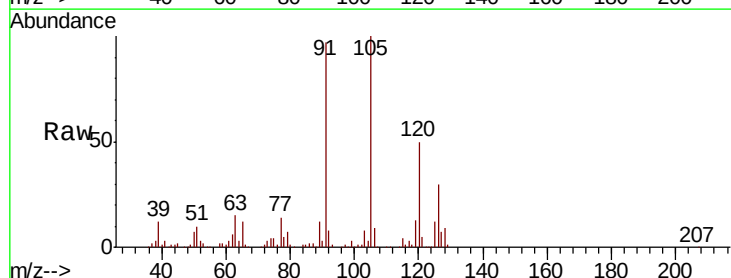
Acq: 20 Aug 2018 12:24

Tgt Ion:126 Resp: 64398

Ion Ratio Lower Upper

126 100

91 323.7 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

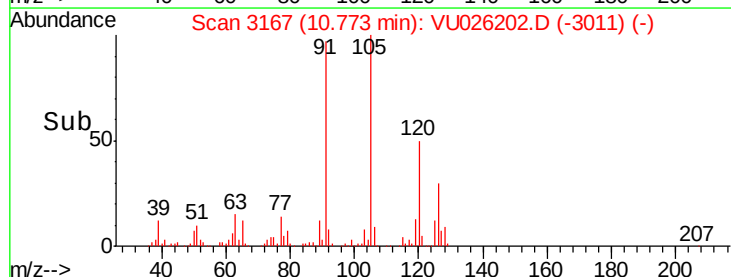
100000

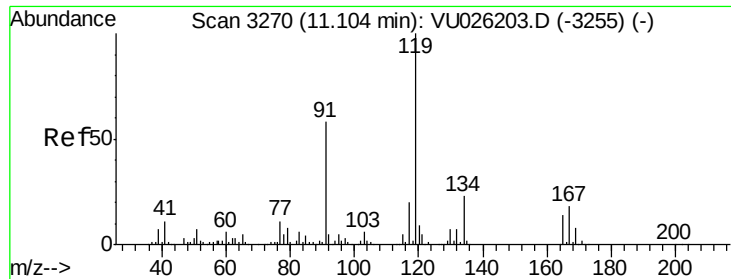
50000

0

10.70 10.75 10.80 10.85

Time-->

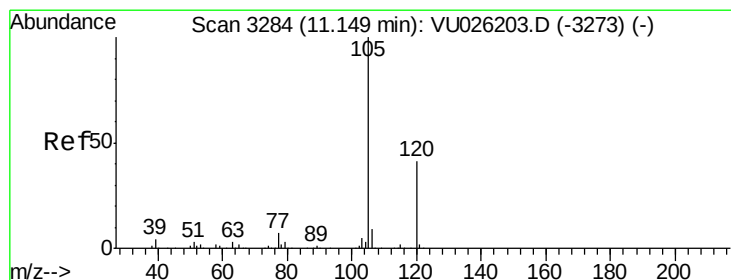
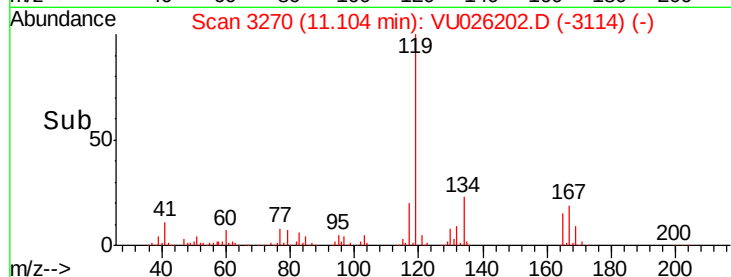
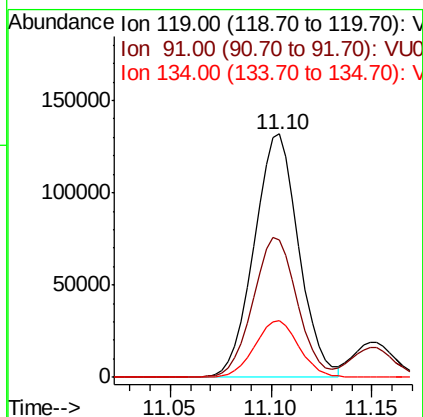
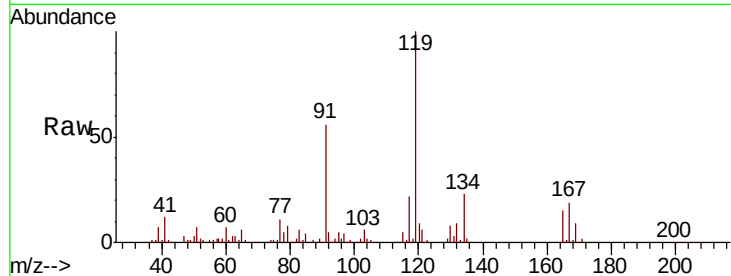




#77
 tert-Butylbenzene
 Concen: 5.022 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

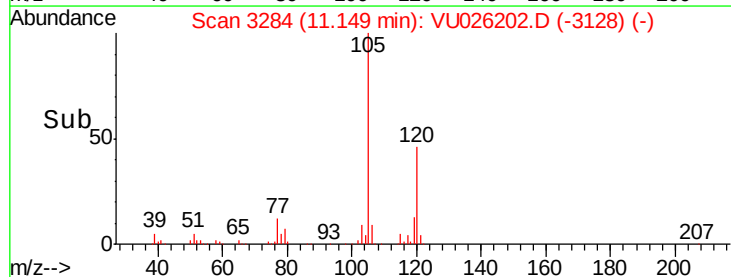
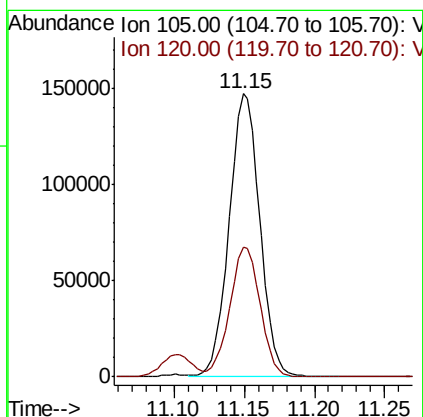
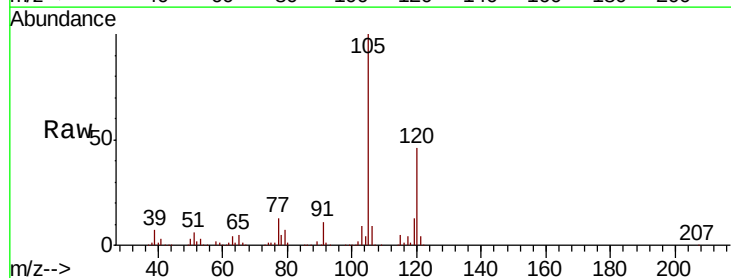
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

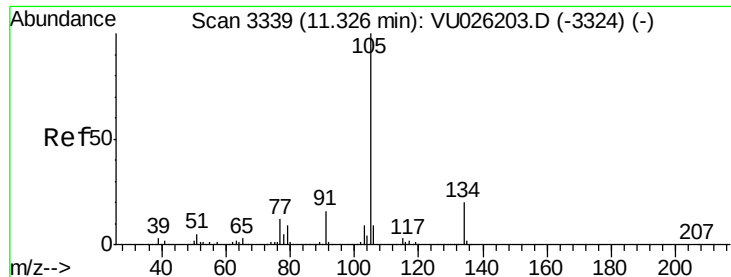
Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.2	29.6	88.8
134	23.2	19.1	28.7



#78
 1,2,4-Trimethylbenzene
 Concen: 5.316 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.3





#79

sec-Butylbenzene

Concen: 5.098 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

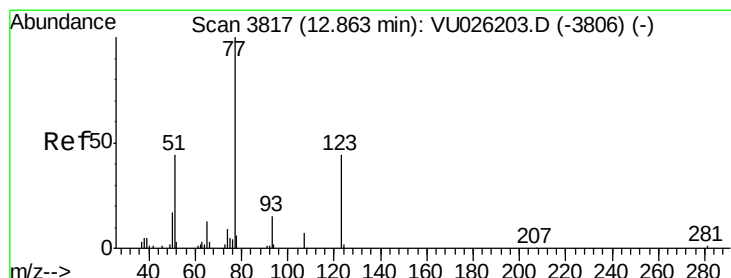
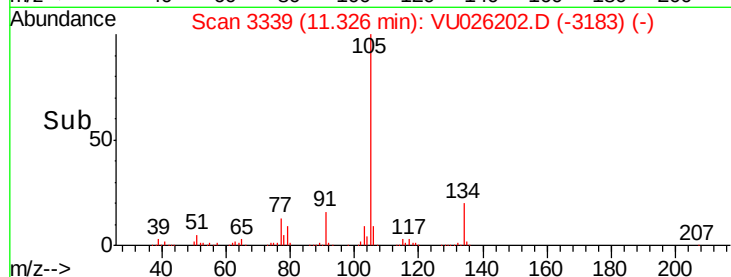
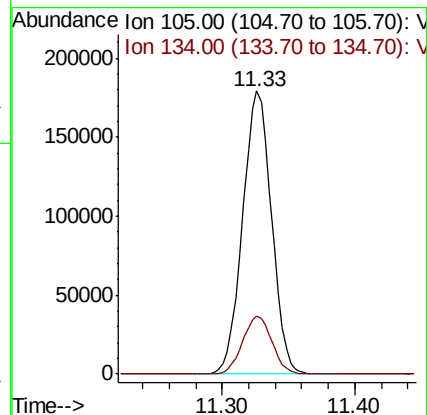
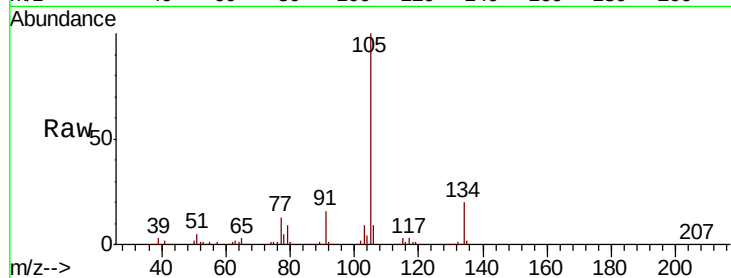
VSTDIC005

Tgt Ion: 105 Resp: 271606

Ion Ratio Lower Upper

105 100

134 20.8 15.6 23.4



#80

Nitrobenzene

Concen: 35.341 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

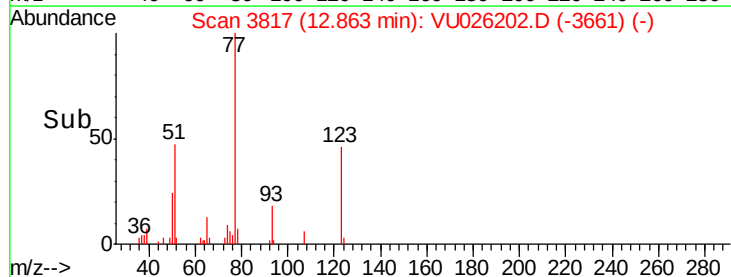
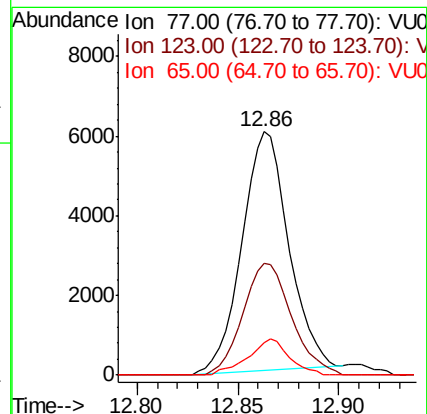
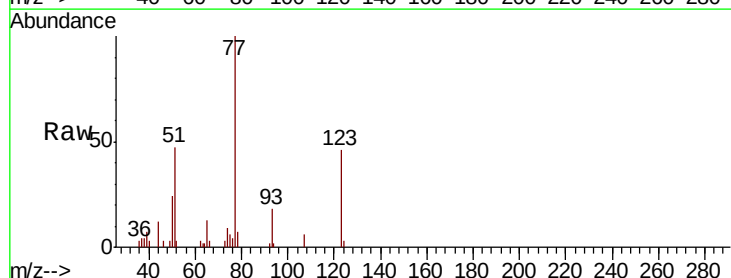
Tgt Ion: 77 Resp: 9769

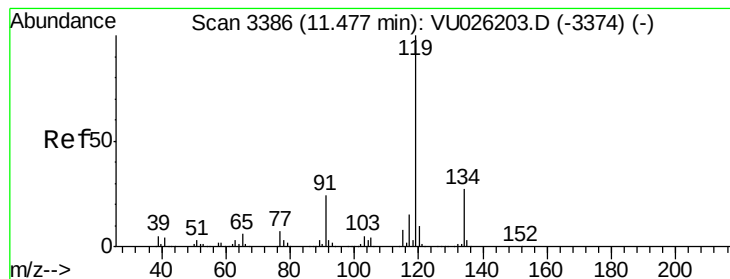
Ion Ratio Lower Upper

77 100

123 48.5 19.4 68.6

65 13.3 11.2 14.2





#81

p-Isopropyltoluene

Concen: 5.228 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

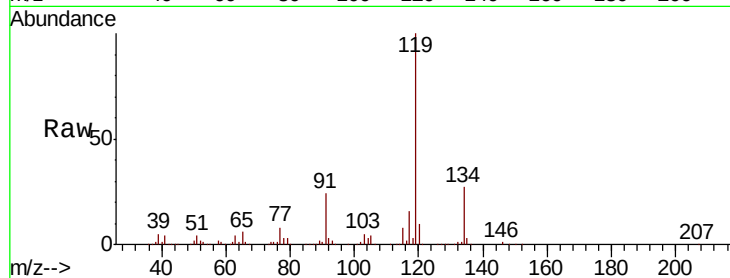
Tgt Ion:119 Resp: 236180

Ion Ratio Lower Upper

119 100

134 26.5 20.9 31.3

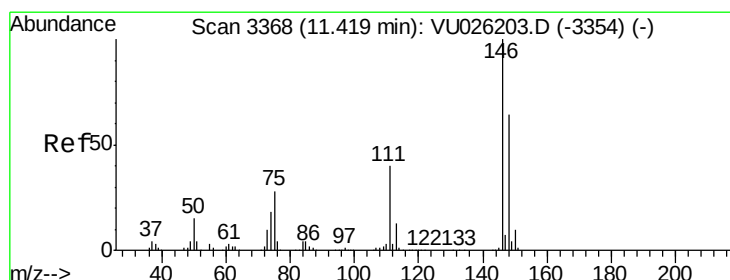
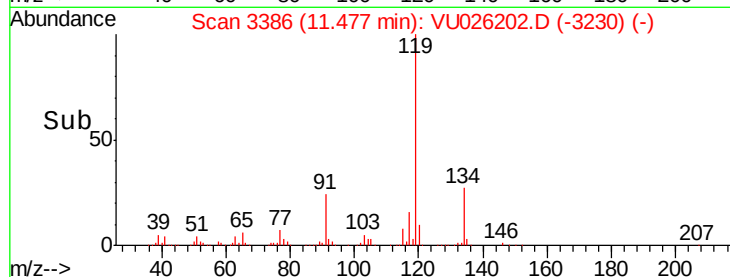
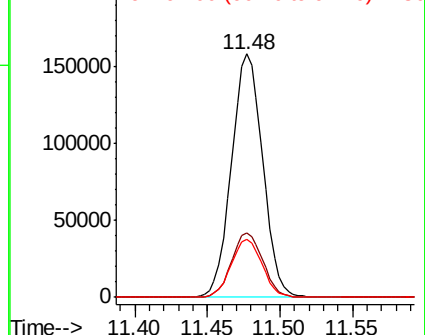
91 23.9 18.2 27.2



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): VU



#82

1,3-Dichlorobenzene

Concen: 5.235 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

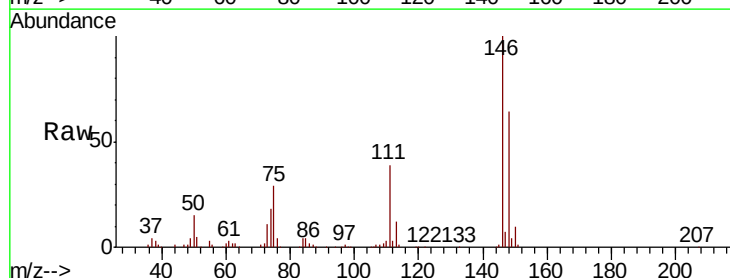
Tgt Ion:146 Resp: 131635

Ion Ratio Lower Upper

146 100

111 39.7 31.8 47.6

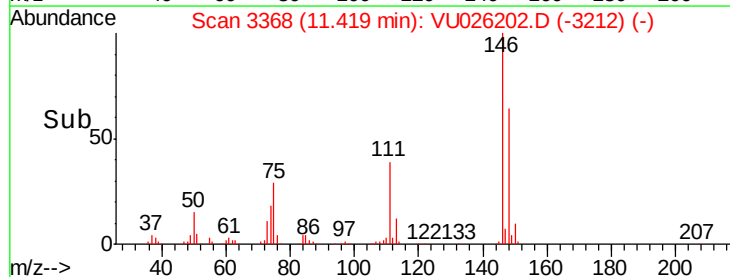
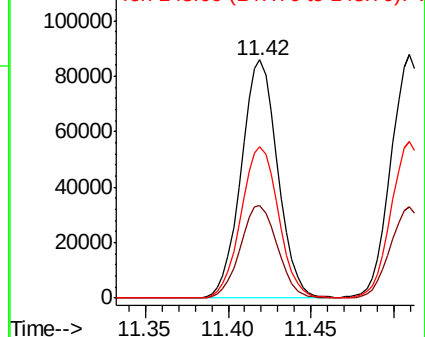
148 65.2 51.0 76.4

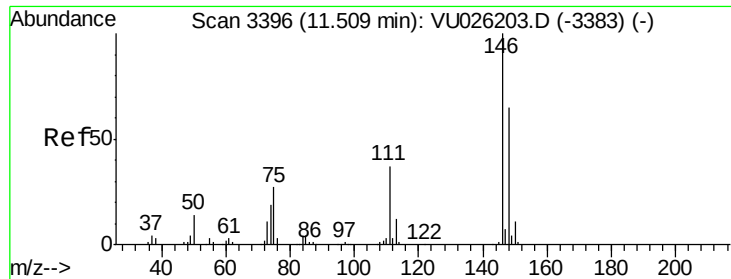


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

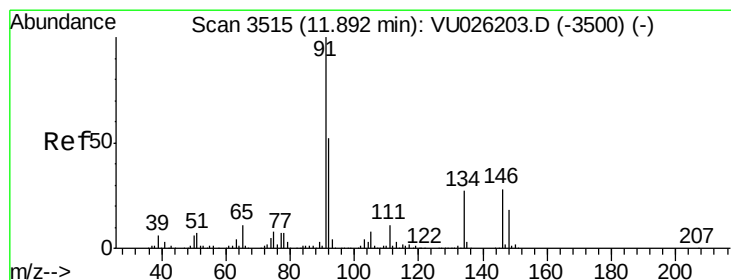
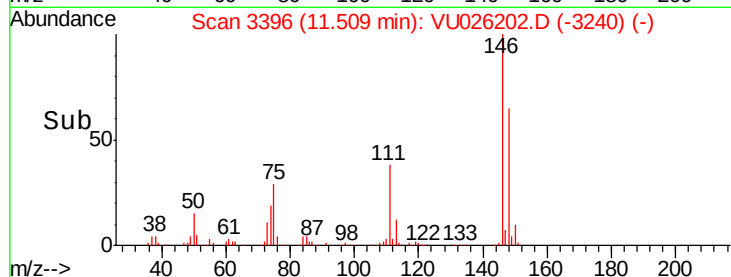
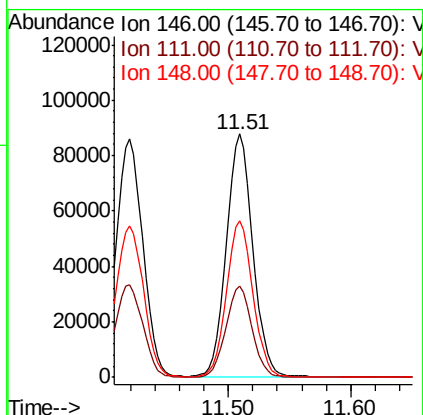
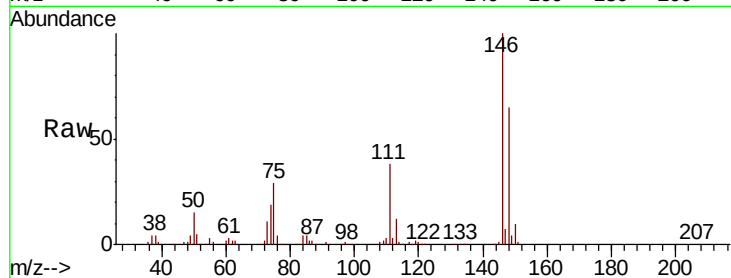




#83
 1,4-Dichlorobenzene
 Concen: 5.483 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

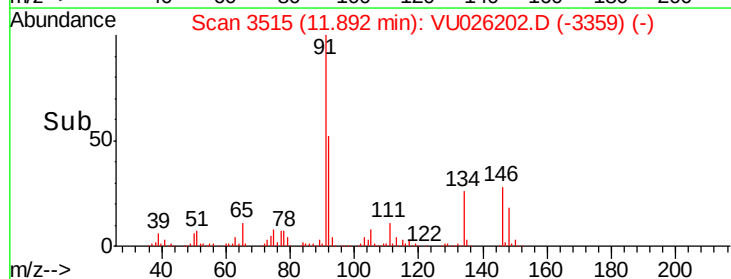
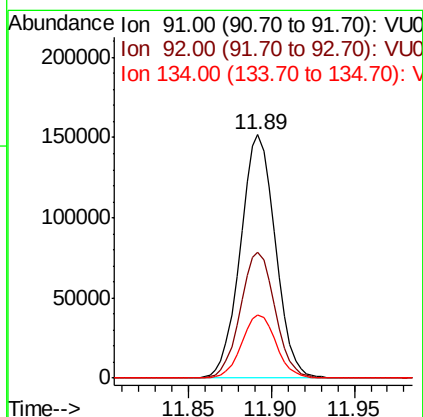
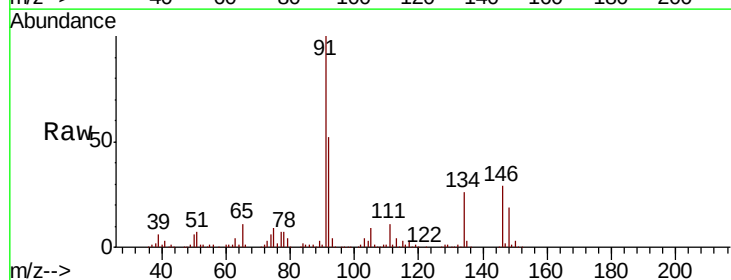
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

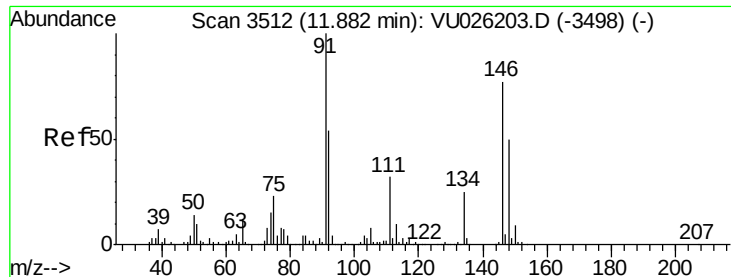
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	30.1	45.1
148	64.1	50.6	76.0



#84
 n-Butylbenzene
 Concen: 5.249 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	42.2	63.2
134	25.5	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 5.234 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

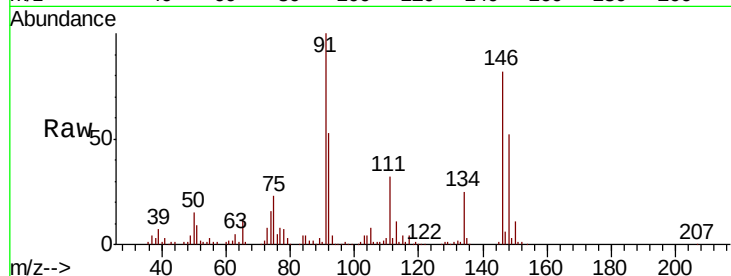
Tgt Ion:146 Resp: 120177

Ion Ratio Lower Upper

146 100

111 39.6 20.7 62.1

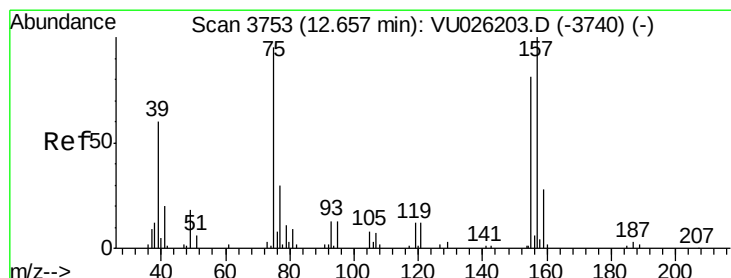
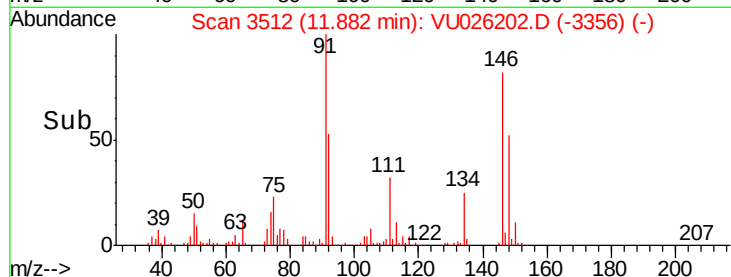
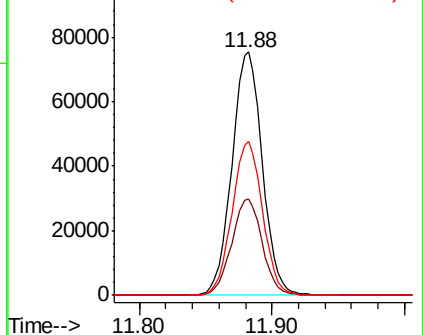
148 63.1 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 5.593 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

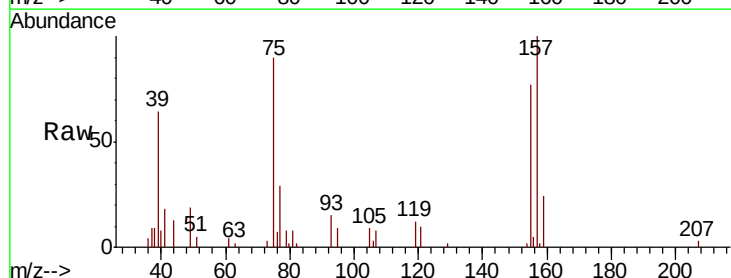
Tgt Ion: 75 Resp: 8380

Ion Ratio Lower Upper

75 100

155 87.4 65.8 98.6

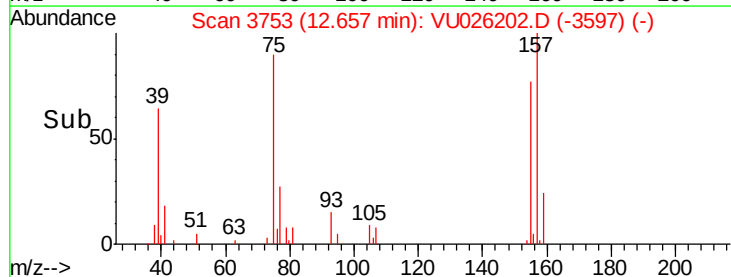
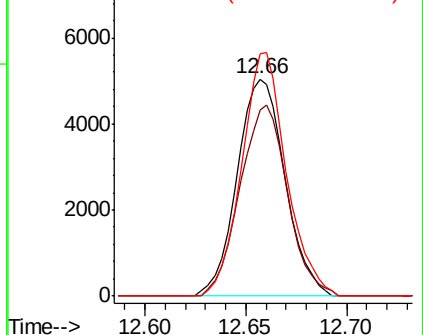
157 104.5 83.5 125.3

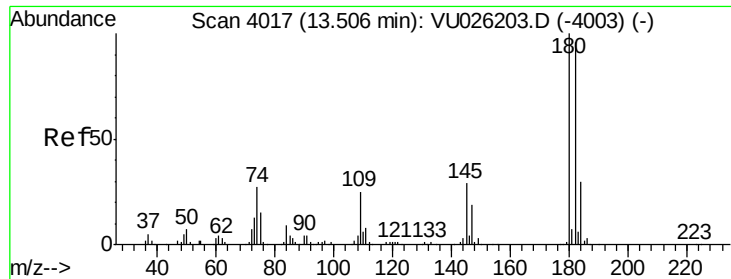


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

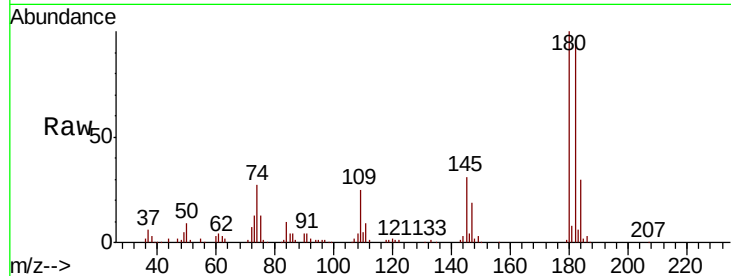




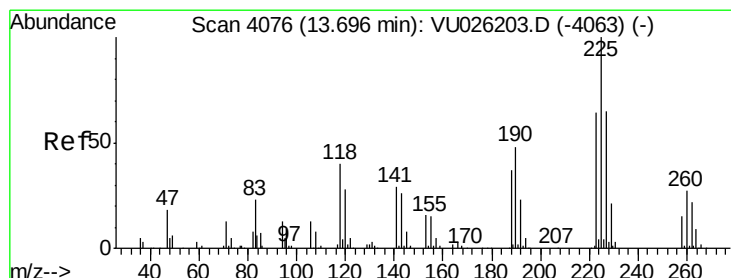
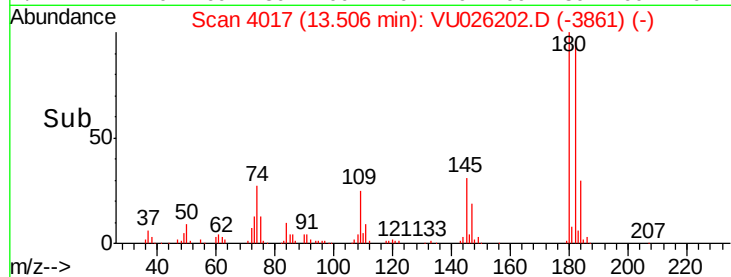
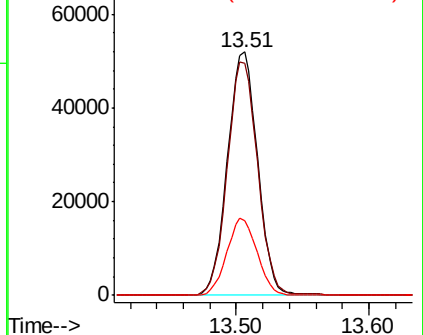
#87
 1,2,4-Trichlorobenzene
 Concen: 5.135 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 82099
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.1 115.7
 145 31.7 23.3 34.9

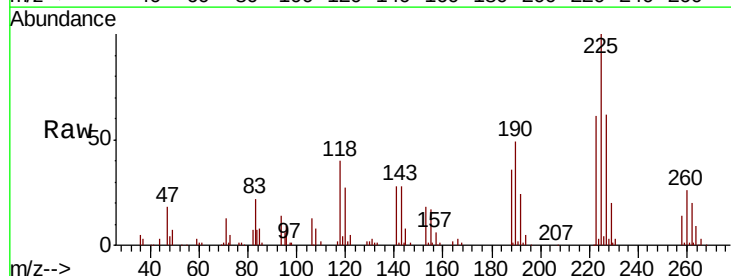


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

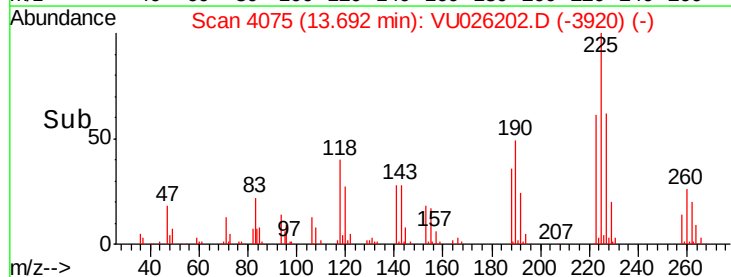
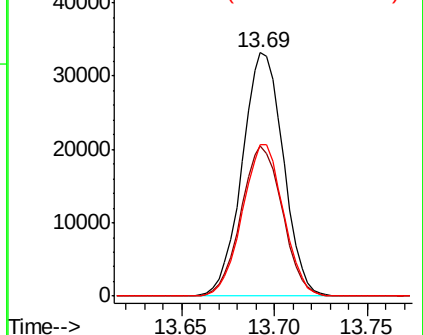


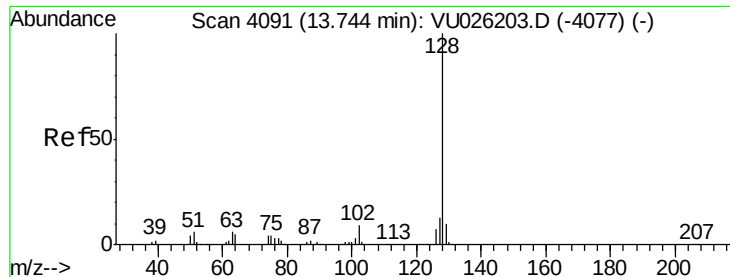
#88
 Hexachlorobutadiene
 Concen: 5.229 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026202.D
 Acq: 20 Aug 2018 12:24

Tgt Ion:225 Resp: 51364
 Ion Ratio Lower Upper
 225 100
 223 62.0 50.6 75.8
 227 62.0 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: 5.033 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

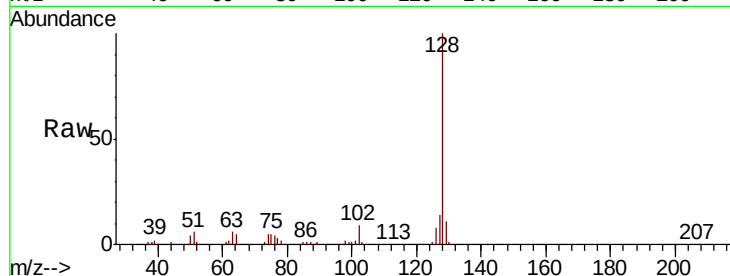
Tgt Ion:128 Resp: 130613

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

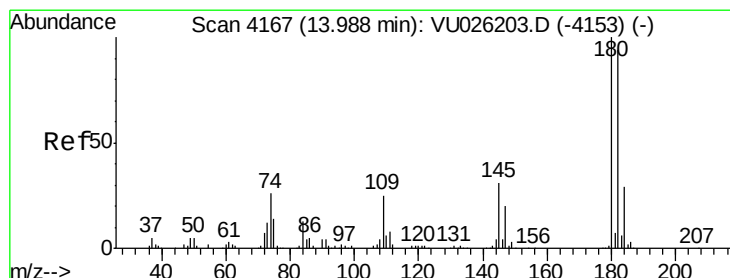
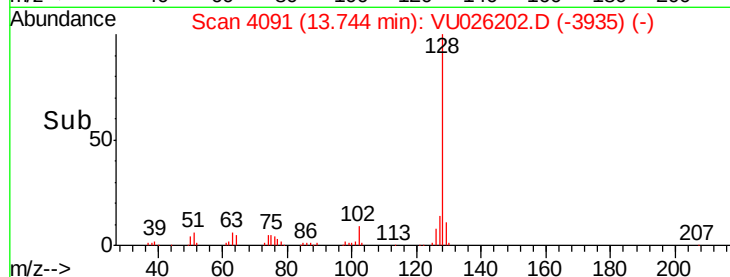
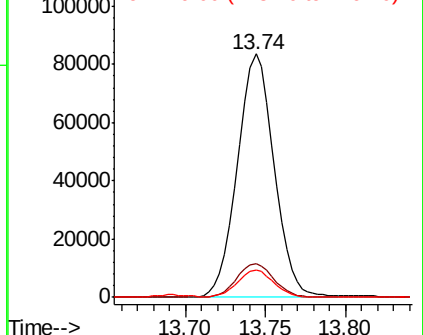
129 11.2 8.7 13.1



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: 5.425 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026202.D

Acq: 20 Aug 2018 12:24

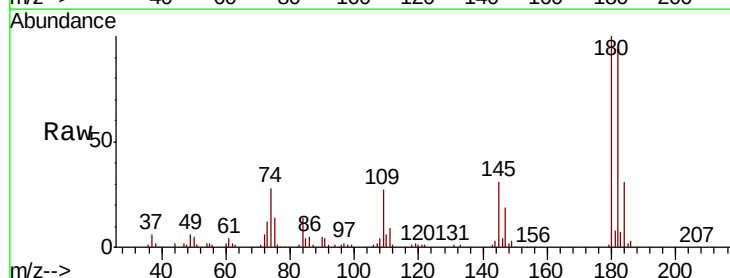
Tgt Ion:180 Resp: 79259

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 31.0 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

