

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082018\
 Data File : VU026204.D
 Acq On : 20 Aug 2018 13:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 20 13:31:22 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	38213	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13940	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15665	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	274390	20.137	ug/l	99
3) Chloromethane	1.33	50	230926	17.925	ug/l	100
4) Vinyl Chloride	1.40	62	237851	19.947	ug/l	100
5) Bromomethane	1.62	94	136925	23.577	ug/l	99
6) Chloroethane	1.70	64	134928	18.858	ug/l	97
7) Trichlorofluoromethane	1.89	101	344803	19.829	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	188401	19.734	ug/l	98
9) 1,1-Dichloroethene	2.28	96	163084	19.358	ug/l	95
10) Iodomethane	2.41	142	282675	32.413	ug/l	93
11) Allyl Chloride	2.59	41	284485	20.201	ug/l	87
12) Acrylonitrile	2.94	53	72207	38.878	ug/l	97
13) Acetone	2.32	43	150926	93.439	ug/l	94
14) Carbon Disulfide	2.48	76	567287	19.687	ug/l	100
15) Methylene Chloride	2.70	84	181379	18.059	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	186581	19.753	ug/l	93
17) 1,1-Dichloroethane	3.45	63	344290	18.376	ug/l	98
18) 2-Butanone	4.28	43	276699	98.719	ug/l	99
19) Cyclohexane	5.00	56	298003	20.629	ug/l	86
20) Methylcyclohexane	6.42	83	368712	20.807	ug/l	94
21) 2,2-Dichloropropane	4.23	77	353729	19.804	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	237470	19.968	ug/l	93
23) Diethyl Ether	2.10	59	127903	20.044	ug/l	96
24) tert-Butyl Alcohol	2.84	59	124416	165.989	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	438376	19.241	ug/l	98
26) Bromochloromethane	4.55	128	107244	20.478	ug/l	83
27) Chloroform	4.68	83	401597	19.505	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	361859	19.488	ug/l	97
29) 1,1-Dichloropropene	5.14	75	308835	20.280	ug/l	98
30) Carbon Tetrachloride	5.14	117	344883	20.453	ug/l	98
31) Isopropyl Ether	3.58	45	606691	20.212	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	555992	19.492	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	504618	20.037	ug/l	98
34) Propionitrile	4.33	54	79512	102.096	ug/l #	94
35) Benzene	5.39	78	857235	20.135	ug/l	100
36) 1,2-Dichloroethane	5.41	62	256387	19.617	ug/l	99
37) Trichloroethene	6.19	130	239316	19.083	ug/l	99
38) 1,2-Dichloropropane	6.44	63	220759	19.984	ug/l	98
39) Methacrylonitrile	4.55	41	69856	19.484	ug/l	91
40) Methyl acrylate	4.43	55	106959	19.781	ug/l #	96
41) Tetrahydrofuran	4.65	42	69822	32.959	ug/l	92
42) 1-Chlorobutane	5.07	56	422669	20.361	ug/l	98

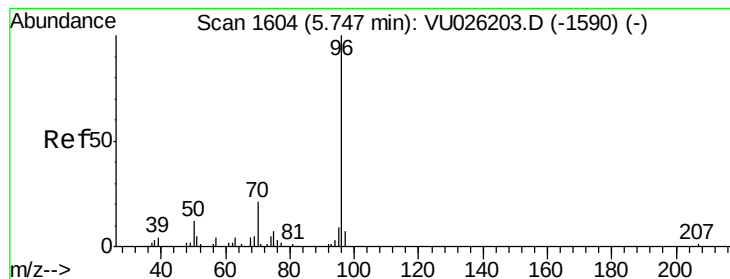
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	115169	19.973	ug/l	97
44) Bromodichloromethane	6.76	83	300324	20.551	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	653232	101.571	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	126217	44.177	ug/l #	86
47) Methyl methacrylate	6.63	69	204627	42.431	ug/l	95
48) Ethyl methacrylate	8.02	69	204820	21.143	ug/l	96
49) Toluene	7.64	92	542285	20.842	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	277774	21.057	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	327025	20.694	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	158431	20.493	ug/l	96
53) 1,3-Dichloropropane	8.25	76	271296	20.785	ug/l	98
54) 2-Hexanone	8.37	43	465439	102.478	ug/l	97
55) Dibromochloromethane	8.48	129	217907	22.167	ug/l	99
56) 1,2-Dibromoethane	8.59	107	157287	21.024	ug/l	99
58) Tetrachloroethene	8.23	164	224478	19.914	ug/l	99
59) Chlorobenzene	9.12	112	607159	20.294	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	231504	20.839	ug/l	99
61) Pentachloroethane	11.10	117	188512	22.233	ug/l	97
62) Hexachloroethane	12.15	117	203760	23.534	ug/l	99
63) Ethyl Benzene	9.25	91	1065145	21.401	ug/l	99
64) m/p-Xylenes	9.38	106	845295	43.214	ug/l	97
65) o-Xylene	9.78	106	400831	21.502	ug/l	98
66) Styrene	9.80	104	701197	22.148	ug/l	99
67) Bromoform	9.96	173	132168	22.790	ug/l #	99
69) Isopropylbenzene	10.17	105	1077481	21.391	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	203650	20.965	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	126217	16.671	ug/l #	91
72) Bromobenzene	10.45	156	273317	20.900	ug/l	94
73) n-propylbenzene	10.59	120	317337	22.359	ug/l	93
74) 2-Chlorotoluene	10.66	126	266060	21.294	ug/l	90
75) 1,3,5-Trimethylbenzene	10.77	105	955066	21.715	ug/l	100
76) 4-Chlorotoluene	10.77	126	278518	21.206	ug/l	96
77) tert-Butylbenzene	11.10	119	937469	21.622	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	994852	22.160	ug/l	99
79) sec-Butylbenzene	11.33	105	1245451	21.853	ug/l	98
80) Nitrobenzene	12.86	77	50119	169.498	ug/l #	98
81) p-Isopropyltoluene	11.48	119	1079873	22.347	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	563369	20.944	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	563975	21.500	ug/l	99
84) n-Butylbenzene	11.89	91	1030442	22.726	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	518639	21.115	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	36020	22.473	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	392460	22.947	ug/l	99
88) Hexachlorobutadiene	13.69	225	221960	21.122	ug/l	99
89) Naphthalene	13.74	128	682922	24.600	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	363481	23.259	ug/l	99

(#) = 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: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 38213

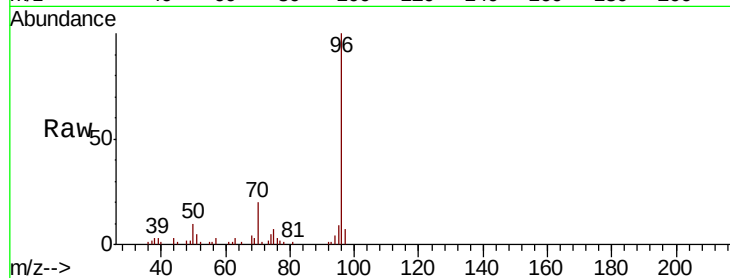
Ion Ratio Lower Upper

96 100

70 19.4 16.2 24.4

95 0.0 6.9 10.3#

97 0.0 0.0 0.0

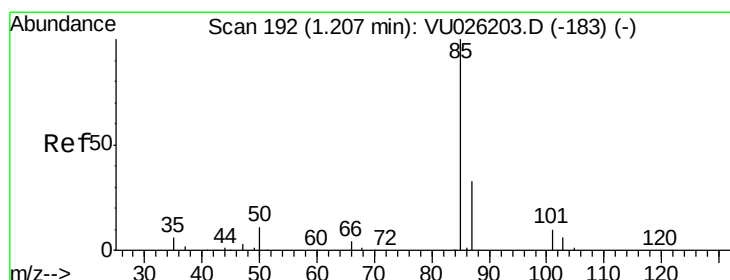
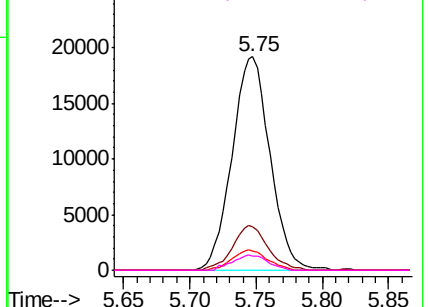
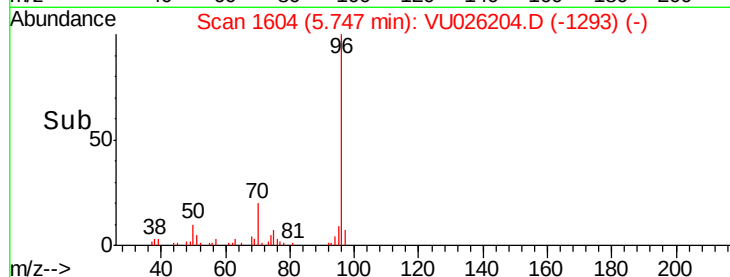


Abundance Ion 96.00 (95.70 to 96.70): VU026204.D (-1293) (-)

Ion 70.00 (69.70 to 70.70): VU026204.D (-1293) (-)

Ion 95.00 (94.70 to 95.70): VU026204.D (-1293) (-)

Ion 97.00 (96.70 to 97.70): VU026204.D (-1293) (-)



#2

Dichlorodifluoromethane

Concen: 20.137 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026204.D

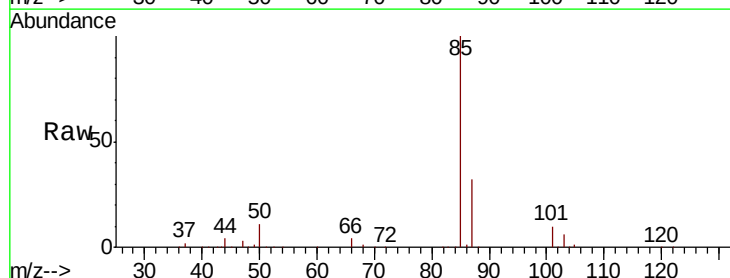
Acq: 20 Aug 2018 13:12

Tgt Ion: 85 Resp: 274390

Ion Ratio Lower Upper

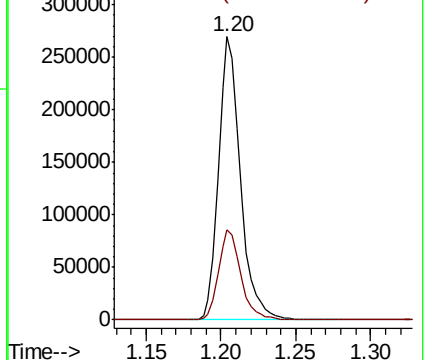
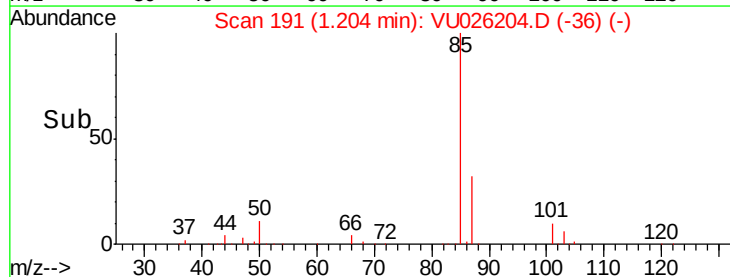
85 100

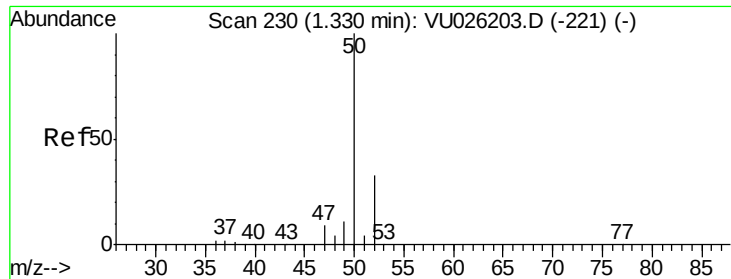
87 31.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU026204.D (-36) (-)

Ion 87.00 (86.70 to 87.70): VU026204.D (-36) (-)





#3

Chloromethane

Concen: 17.925 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

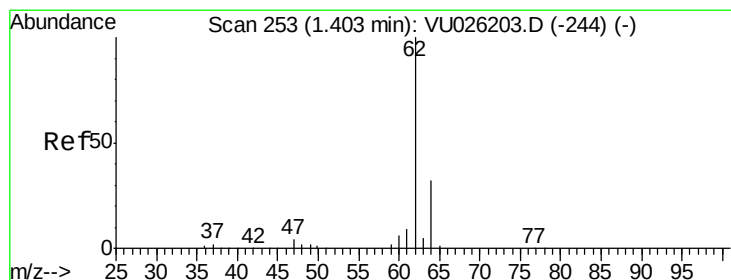
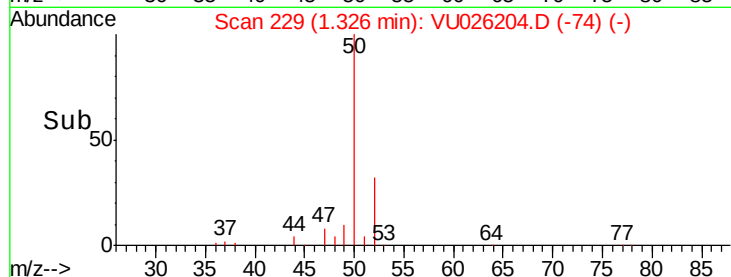
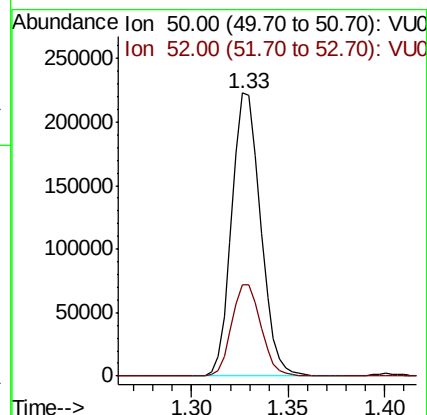
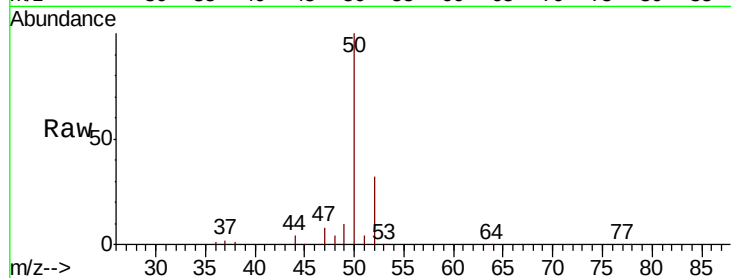
VSTDIC020

Tgt Ion: 50 Resp: 230926

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 19.947 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026204.D

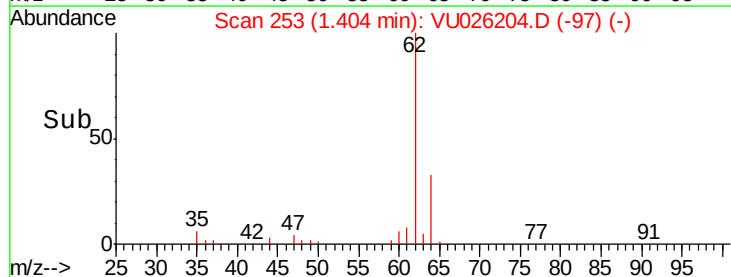
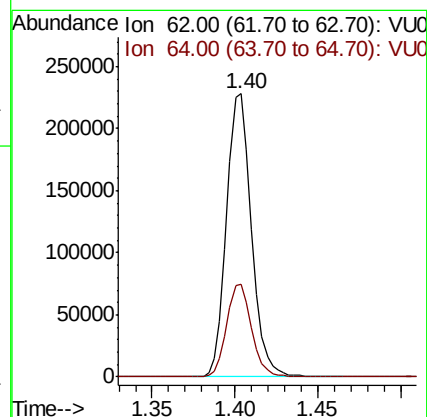
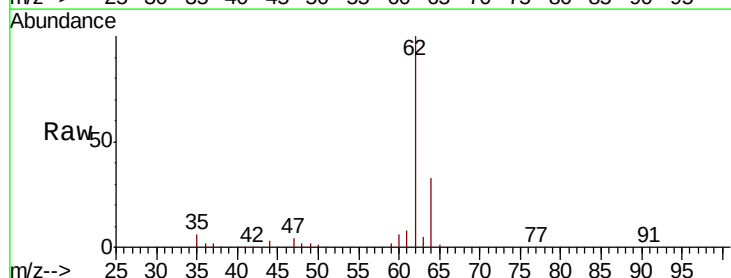
Acq: 20 Aug 2018 13:12

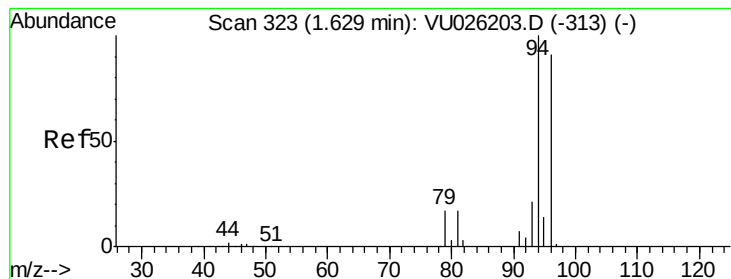
Tgt Ion: 62 Resp: 237851

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 23.577 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.01 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

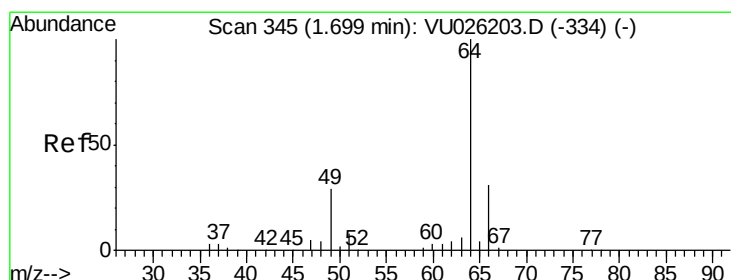
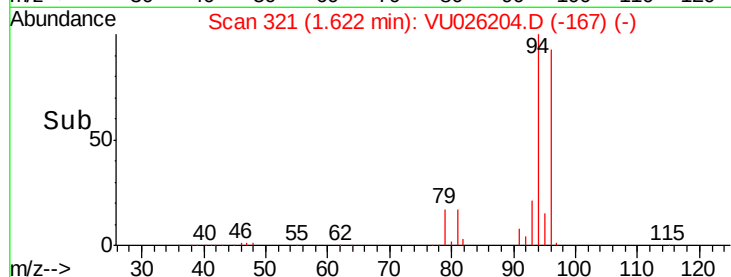
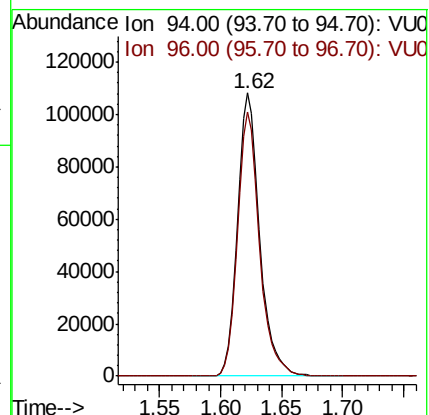
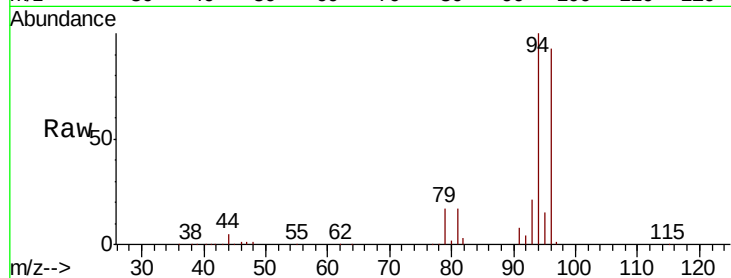
VSTDIC020

Tgt Ion: 94 Resp: 136925

Ion Ratio Lower Upper

94 100

96 93.3 75.1 112.7



#6

Chloroethane

Concen: 18.858 ug/l

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026204.D

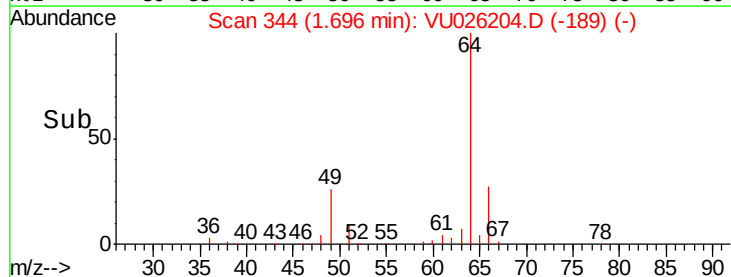
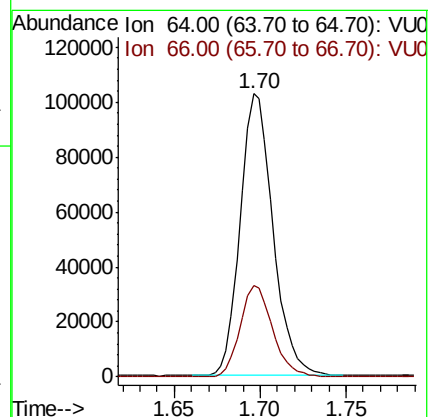
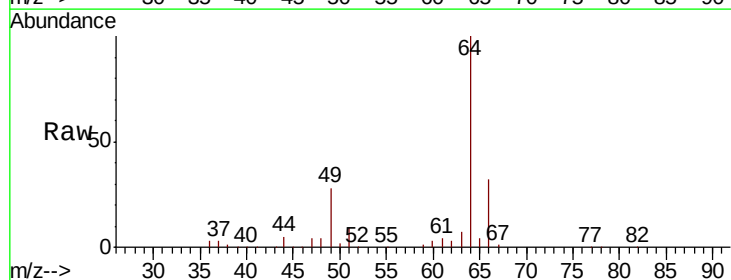
Acq: 20 Aug 2018 13:12

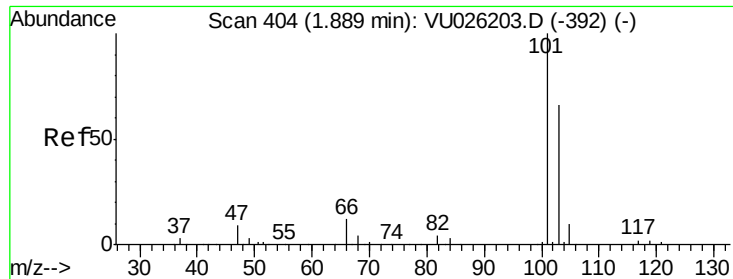
Tgt Ion: 64 Resp: 134928

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3





#7

Trichlorofluoromethane

Concen: 19.829 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

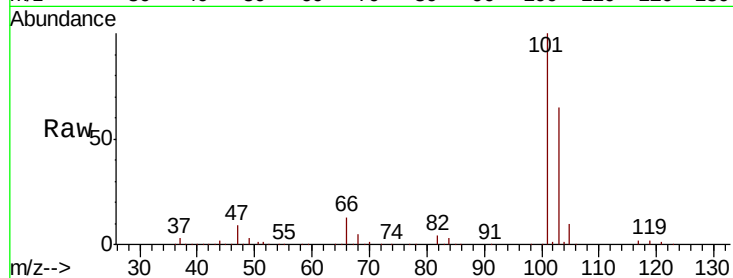
VSTDIC020

Tgt Ion:101 Resp: 344803

Ion Ratio Lower Upper

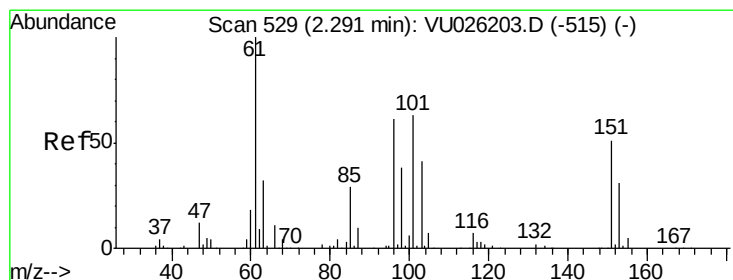
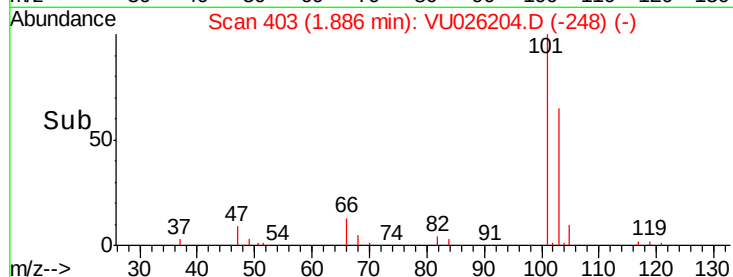
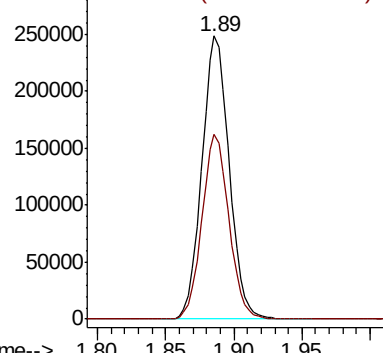
101 100

103 65.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 19.734 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

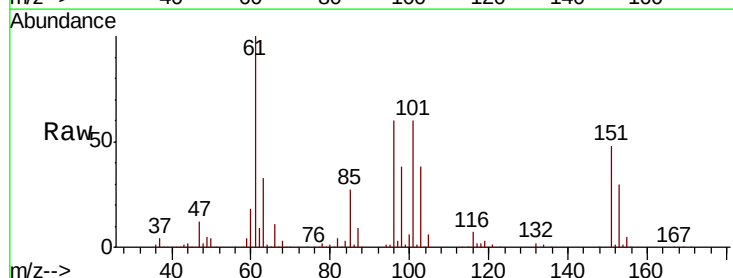
Tgt Ion:101 Resp: 188401

Ion Ratio Lower Upper

101 100

85 45.5 35.2 52.8

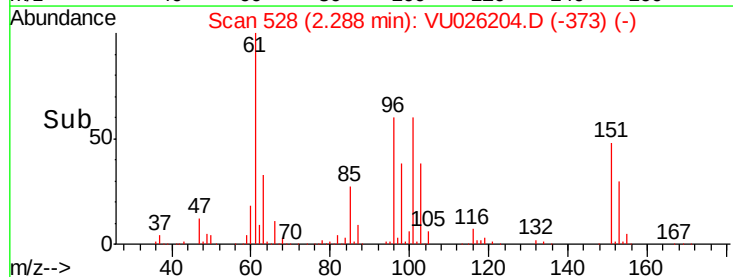
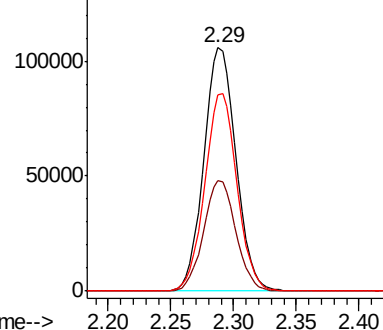
151 81.3 63.5 95.3

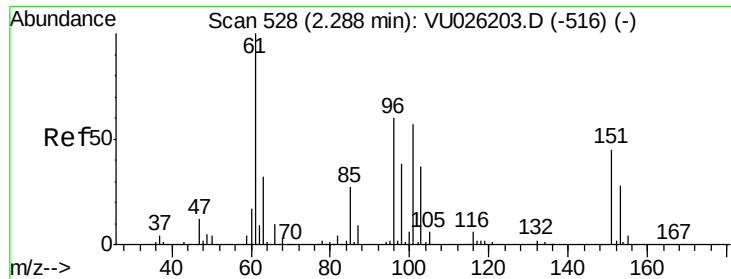


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 19.358 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

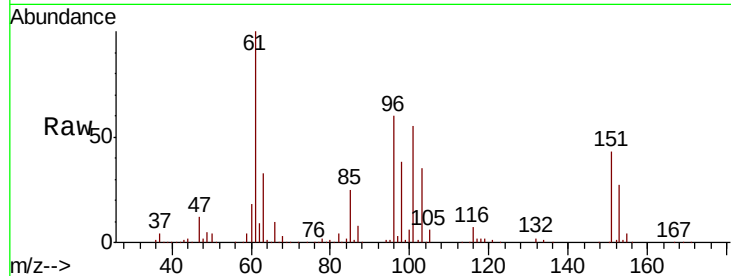
Tgt Ion: 96 Resp: 163084

Ion Ratio Lower Upper

96 100

61 166.4 0.0 526.5

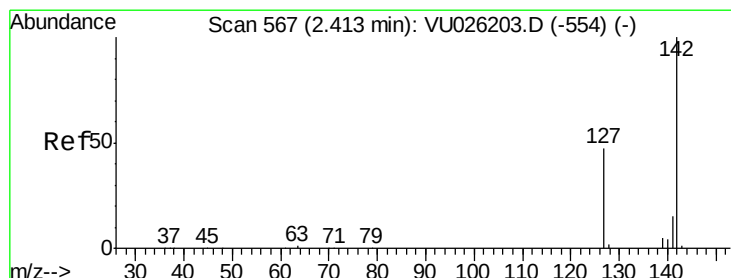
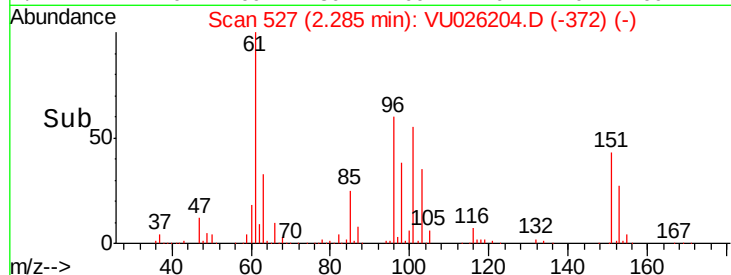
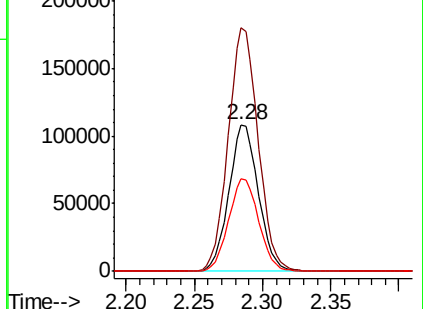
98 63.0 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU026203.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VU026203.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VU026203.D (-516) (-)



#10

Iodomethane

Concen: 32.413 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU026204.D

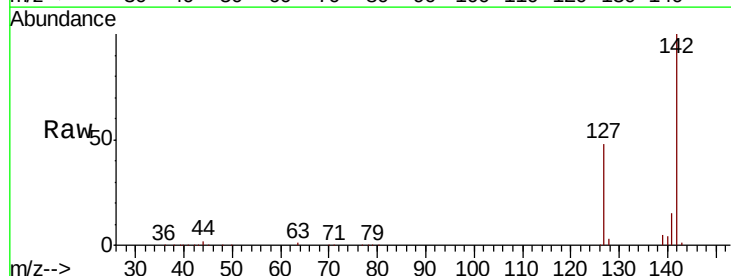
Acq: 20 Aug 2018 13:12

Tgt Ion: 142 Resp: 282675

Ion Ratio Lower Upper

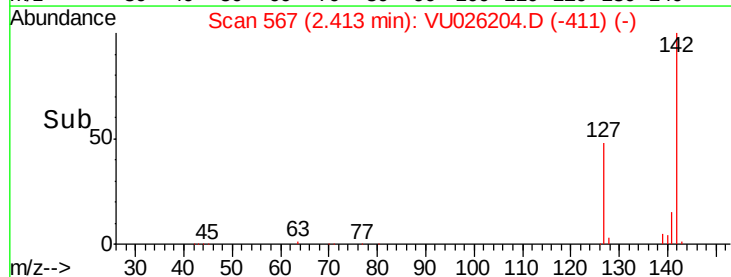
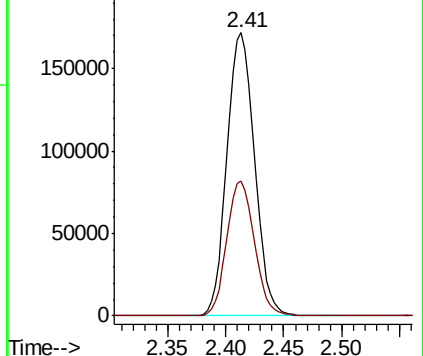
142 100

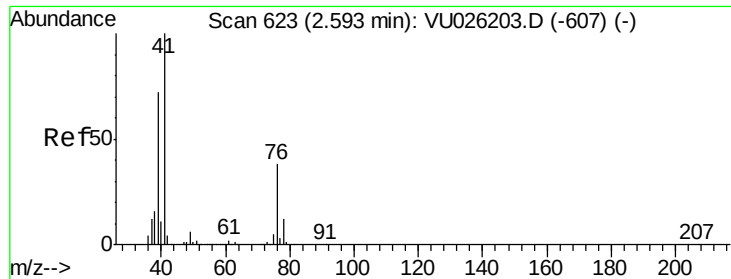
127 47.4 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): VU026203.D (-554) (-)

Ion 127.00 (126.70 to 127.70): VU026203.D (-554) (-)

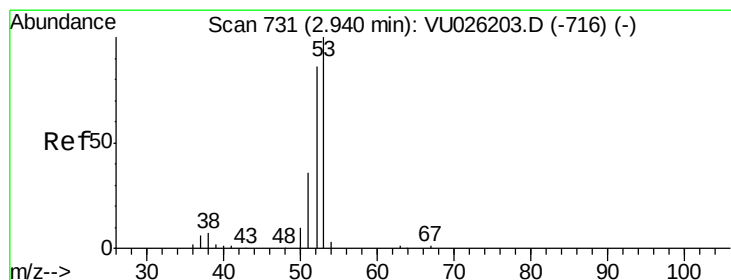
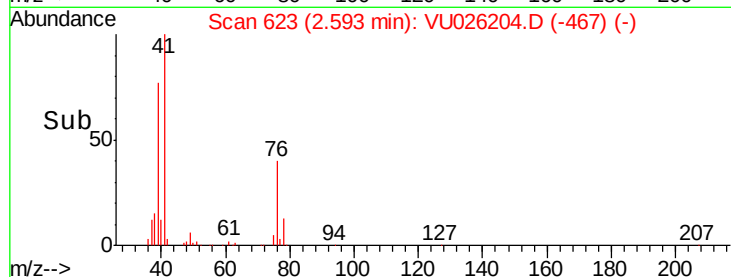
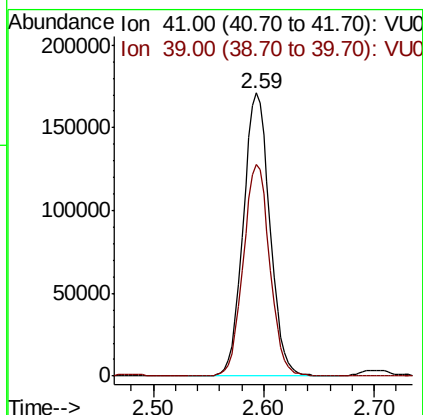
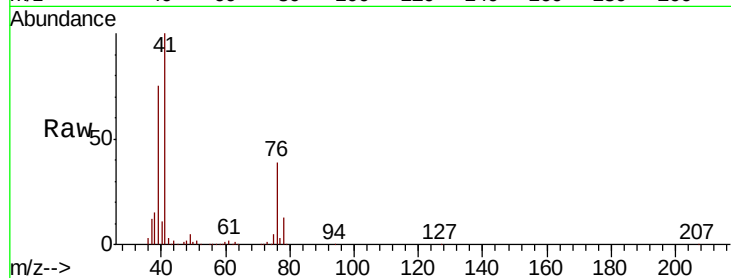




#11
 Allyl Chloride
 Concen: 20.201 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

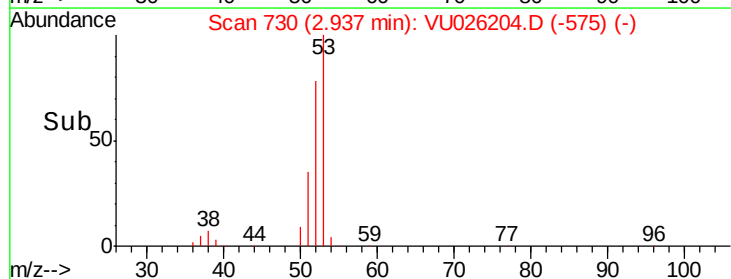
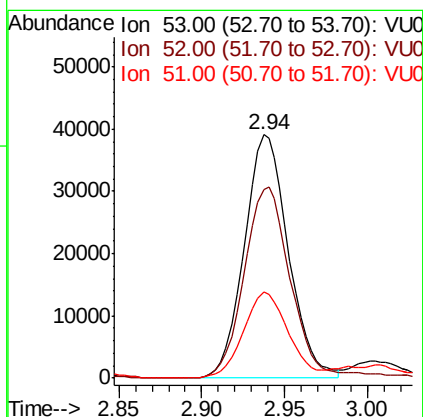
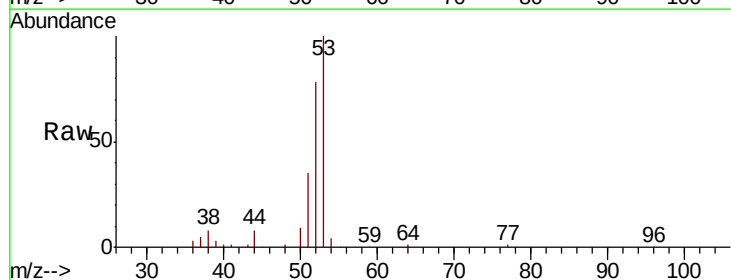
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

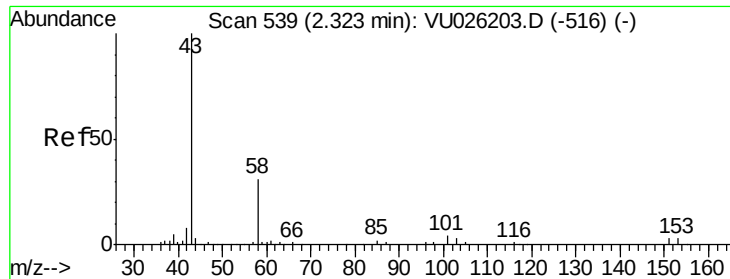
Tgt Ion: 41 Resp: 284485
 Ion Ratio Lower Upper
 41 100
 39 74.3 51.4 77.2



#12
 Acrylonitrile
 Concen: 38.878 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 53 Resp: 72207
 Ion Ratio Lower Upper
 53 100
 52 83.8 65.1 97.7
 51 36.0 30.2 45.4





#13

Acetone

Concen: 93.439 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

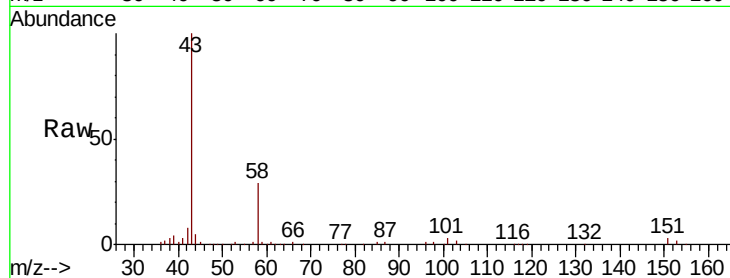
VSTDIC020

Tgt Ion: 43 Resp: 150926

Ion Ratio Lower Upper

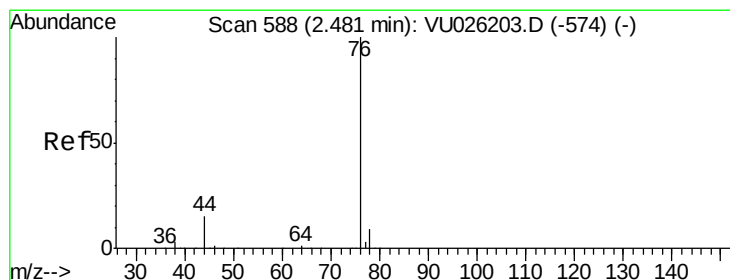
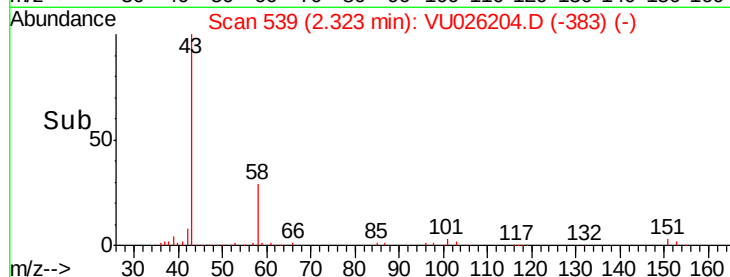
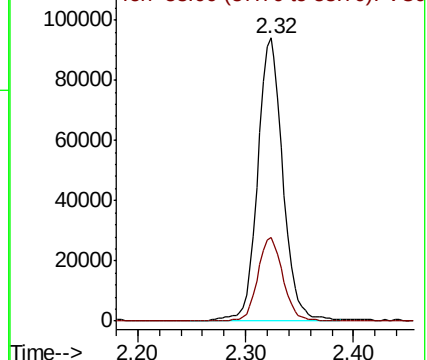
43 100

58 29.2 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 19.687 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026204.D

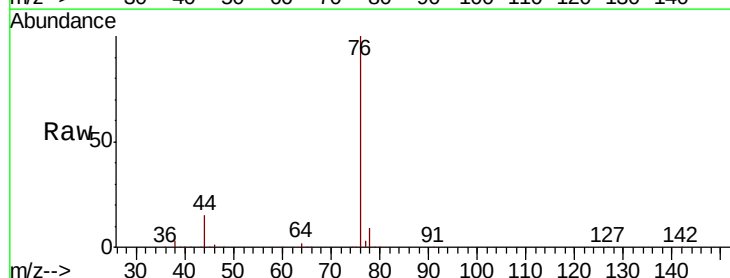
Acq: 20 Aug 2018 13:12

Tgt Ion: 76 Resp: 567287

Ion Ratio Lower Upper

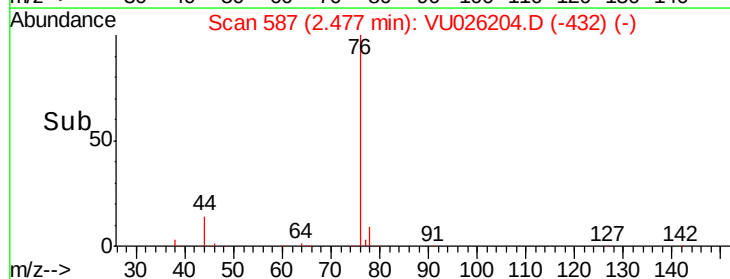
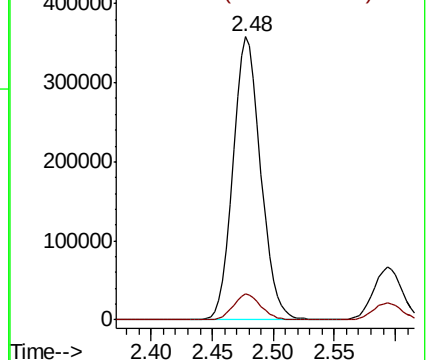
76 100

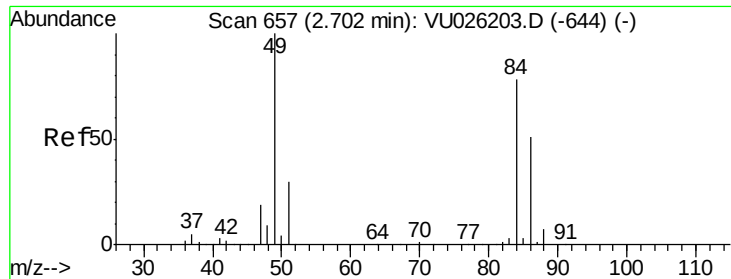
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

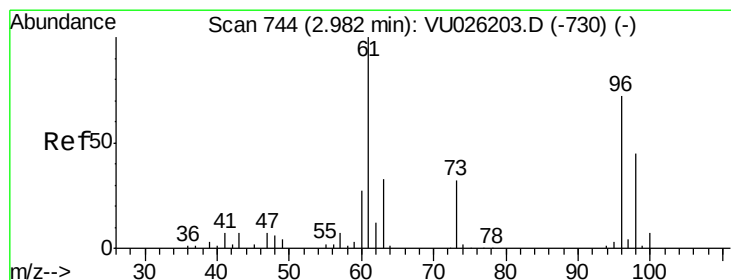
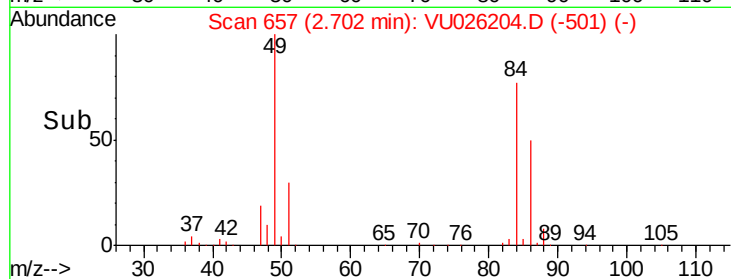
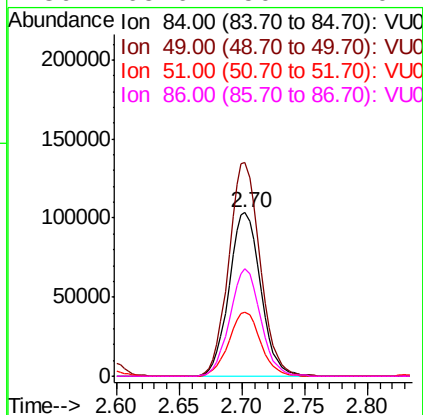
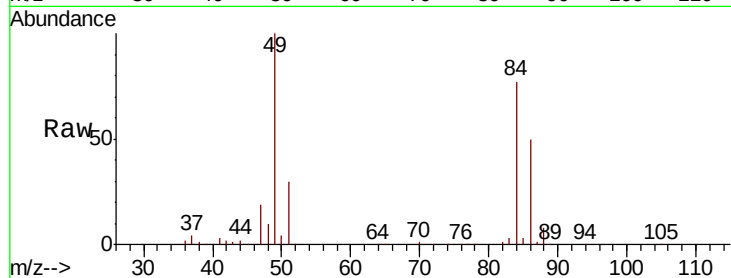




#15
Methylene Chloride
Concen: 18.059 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

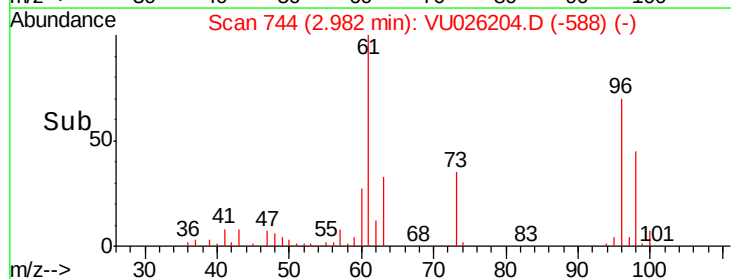
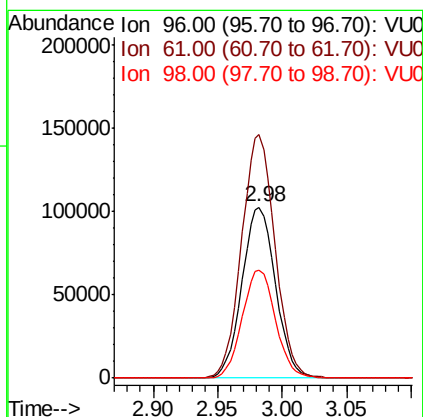
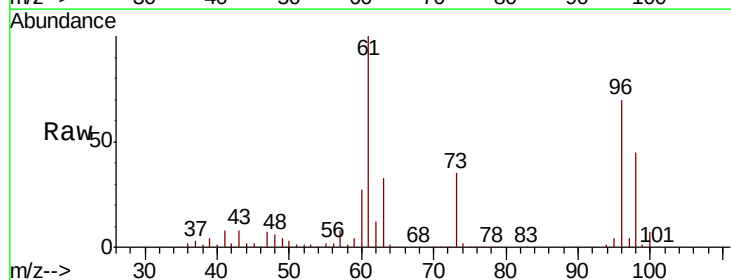
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

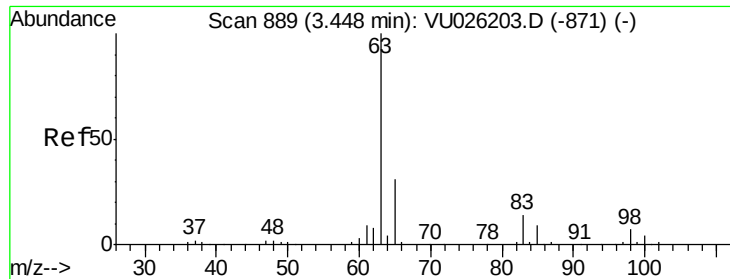
Tgt Ion:	84	Resp:	181379
Ion	Ratio	Lower	Upper
84	100		
49	130.5	108.7	163.1
51	39.4	0.0	82.4
86	65.6	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	96	Resp:	186581
Ion	Ratio	Lower	Upper
96	100		
61	142.7	123.9	185.9
98	63.6	50.6	76.0

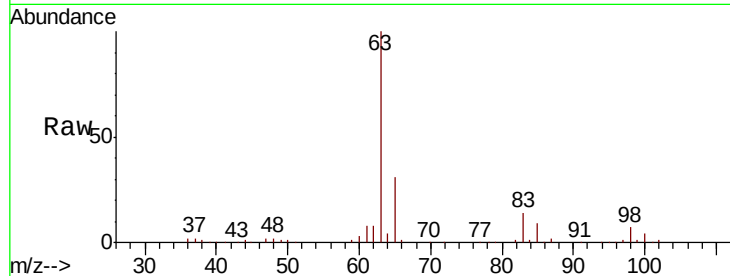




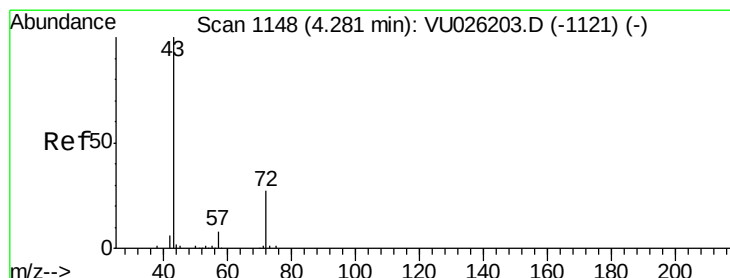
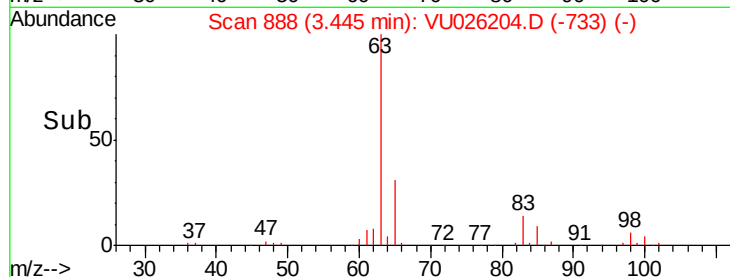
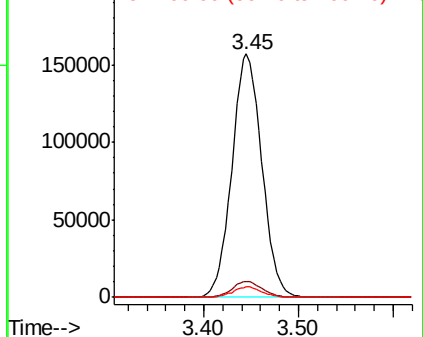
#17
 1,1-Dichloroethane
 Concen: 18.376 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	2.9	8.8
100	4.3	2.0	5.8

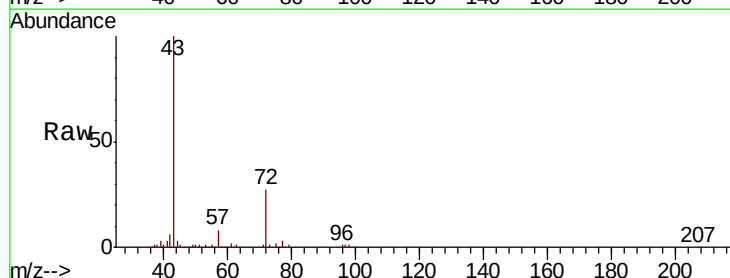


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

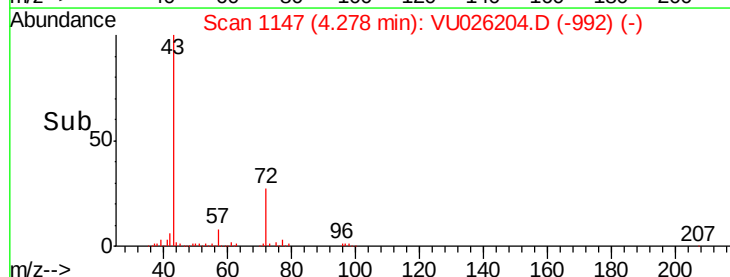
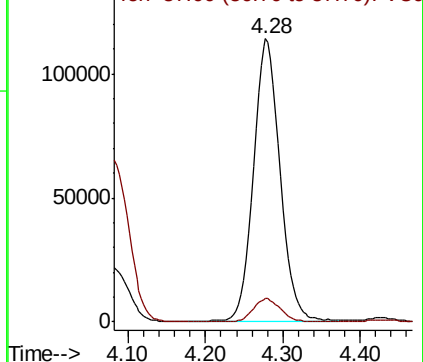


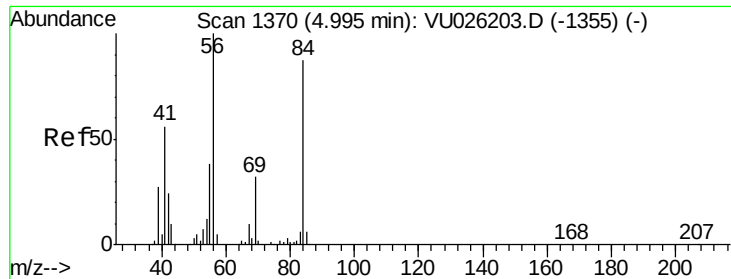
#18
 2-Butanone
 Concen: 98.719 ug/l
 RT: 4.28 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	0.0	15.8



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

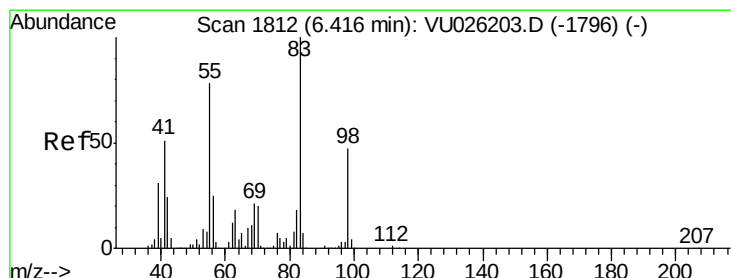
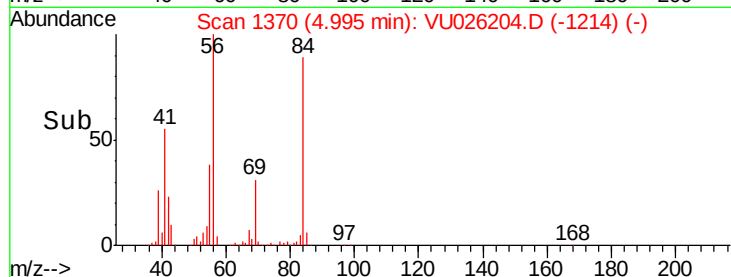
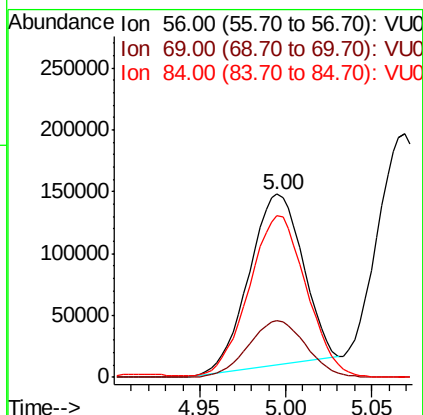
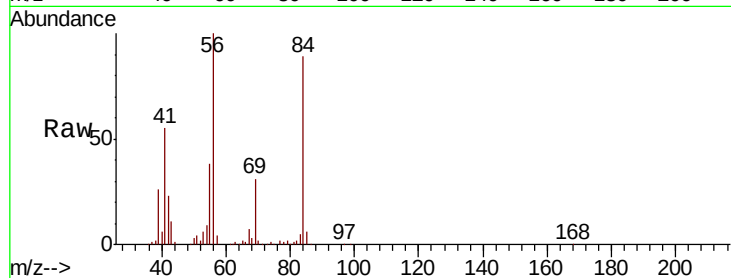




#19
Cyclohexane
Concen: 20.629 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

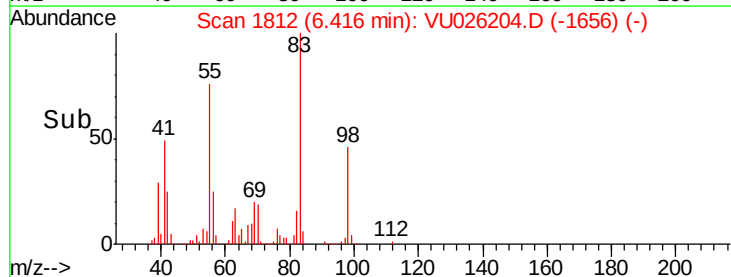
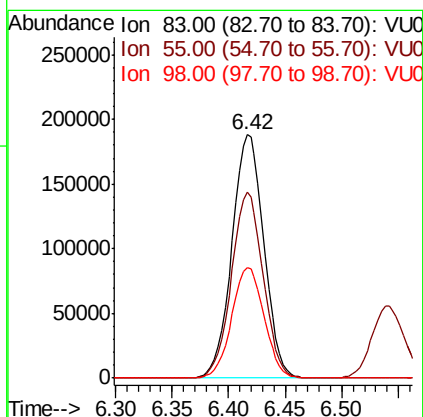
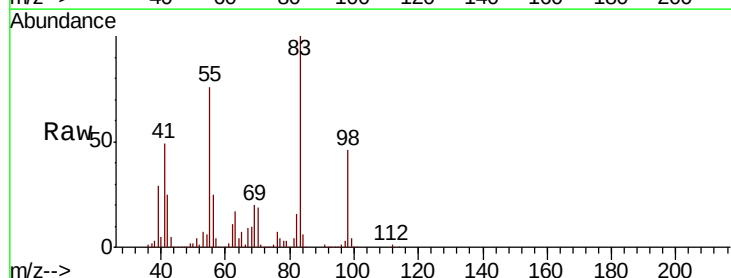
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

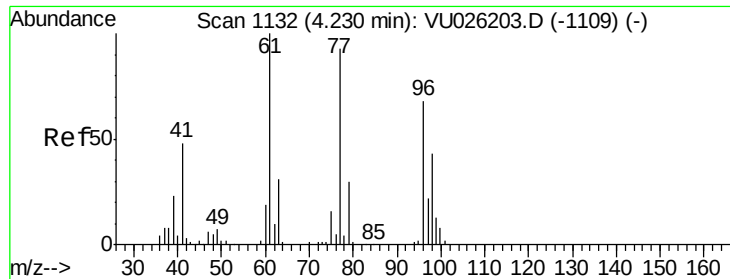
Tgt Ion: 56 Resp: 298003
Ion Ratio Lower Upper
56 100
69 36.1 26.0 39.0
84 100.7 68.3 102.5



#20
Methylcyclohexane
Concen: 20.807 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion: 83 Resp: 368712
Ion Ratio Lower Upper
83 100
55 75.9 66.4 99.6
98 46.3 35.4 53.2

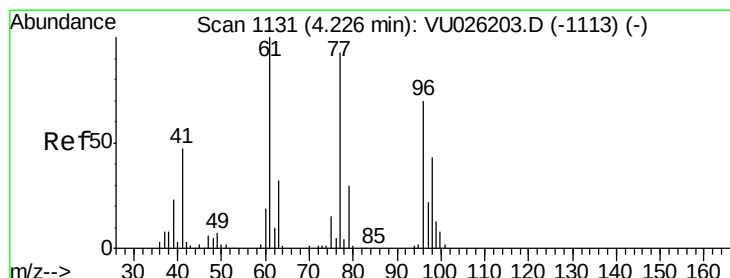
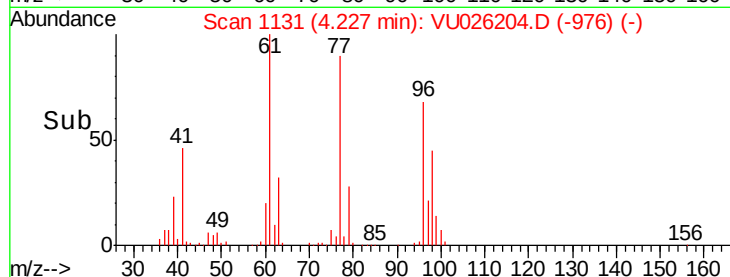
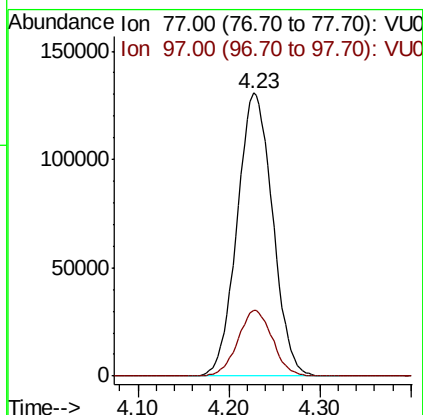
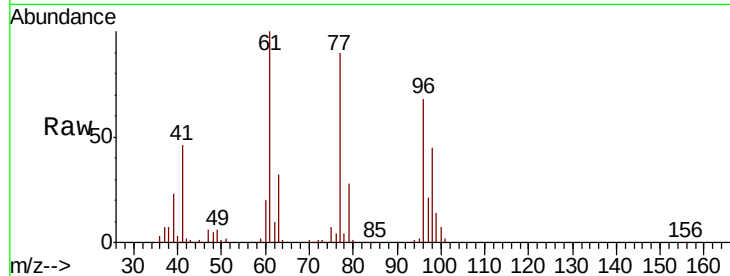




#21
 2,2-Dichloropropane
 Concen: 19.804 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

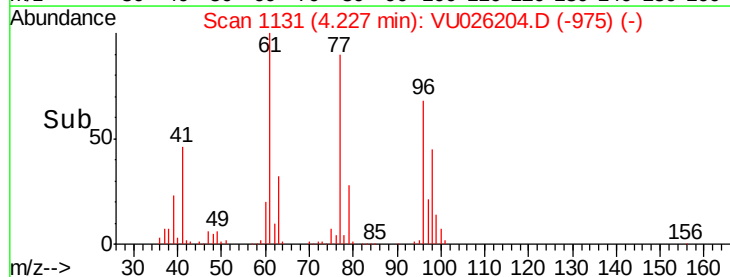
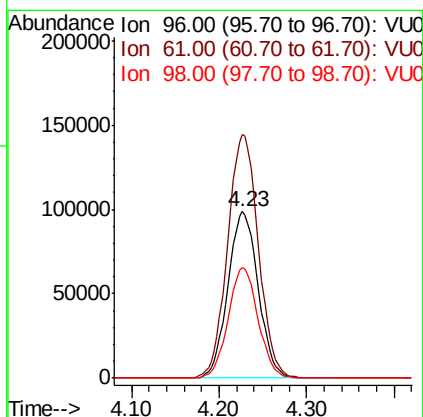
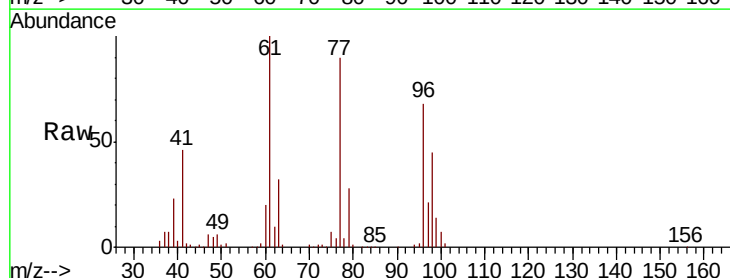
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

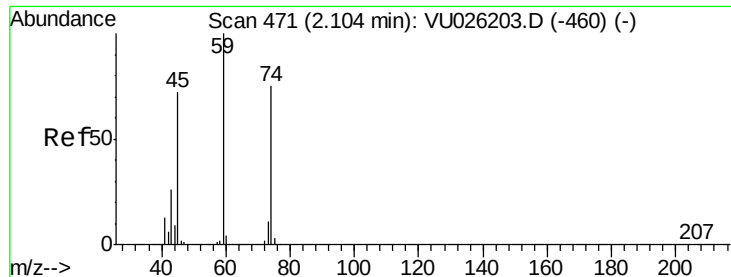
Tgt Ion: 77 Resp: 353729
 Ion Ratio Lower Upper
 77 100
 97 22.7 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 19.968 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 96 Resp: 237470
 Ion Ratio Lower Upper
 96 100
 61 148.3 0.0 400.5
 98 65.3 32.2 96.6





#23

Diethyl Ether

Concen: 20.044 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

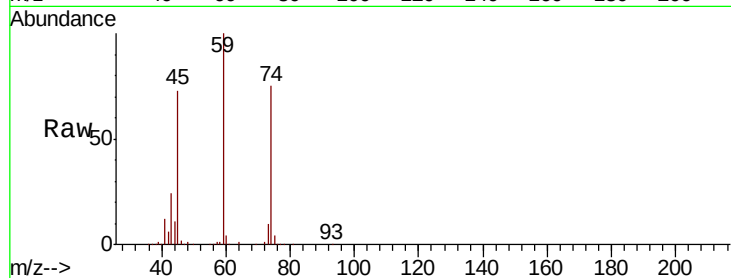
Tgt Ion: 59 Resp: 127903

Ion Ratio Lower Upper

59 100

45 71.5 60.0 90.0

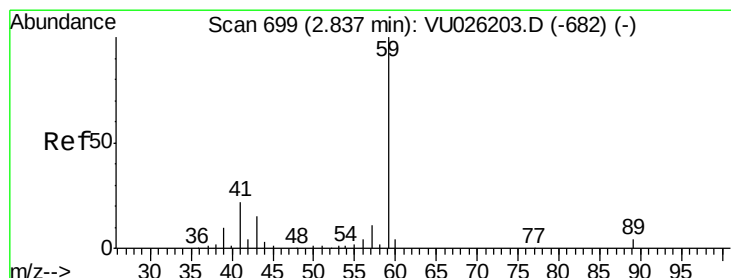
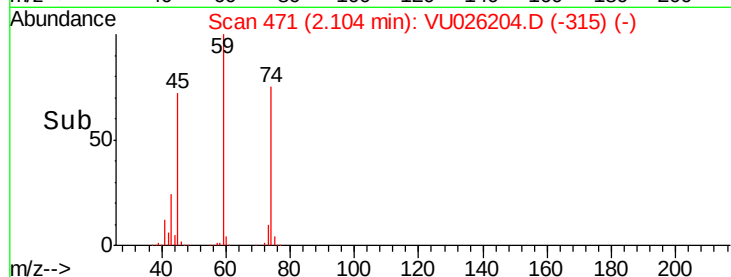
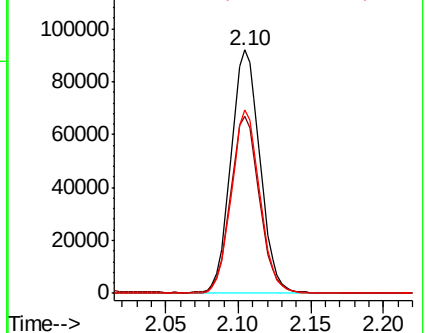
74 73.6 56.5 84.7



Abundance Ion 59.00 (58.70 to 59.70): VU026204.D (-315) (-)

Ion 45.00 (44.70 to 45.70): VU026204.D (-315) (-)

Ion 74.00 (73.70 to 74.70): VU026204.D (-315) (-)



#24

tert-Butyl Alcohol

Concen: 165.989 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.00 min

Lab File: VU026204.D

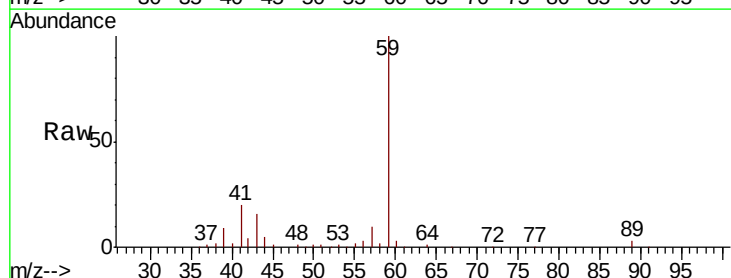
Acq: 20 Aug 2018 13:12

Tgt Ion: 59 Resp: 124416

Ion Ratio Lower Upper

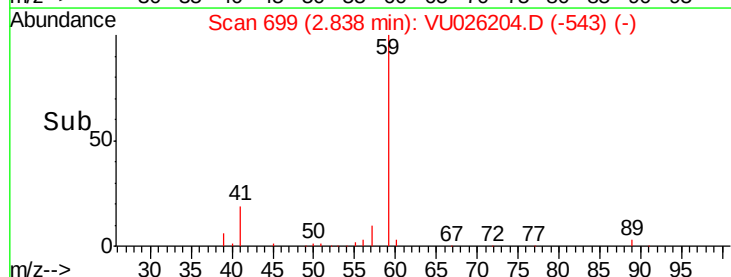
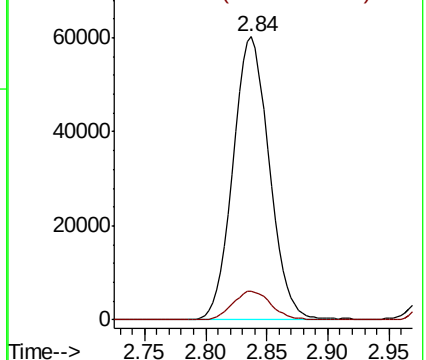
59 100

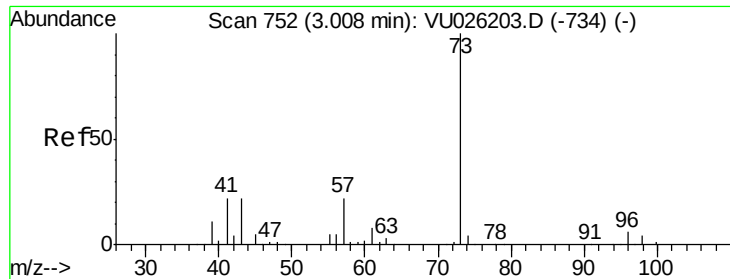
57 10.7 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU026204.D (-543) (-)

Ion 57.00 (56.70 to 57.70): VU026204.D (-543) (-)



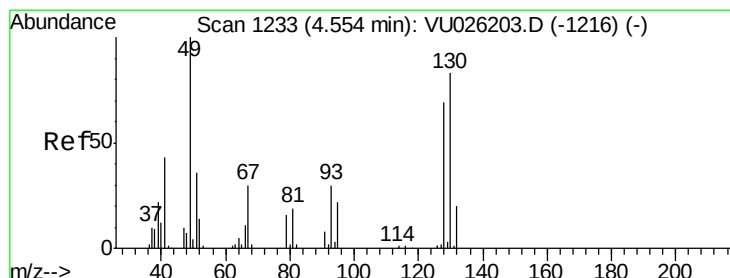
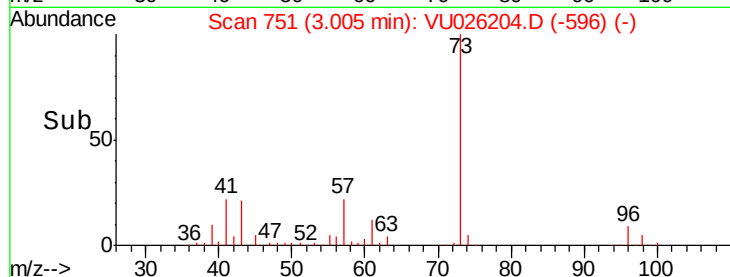
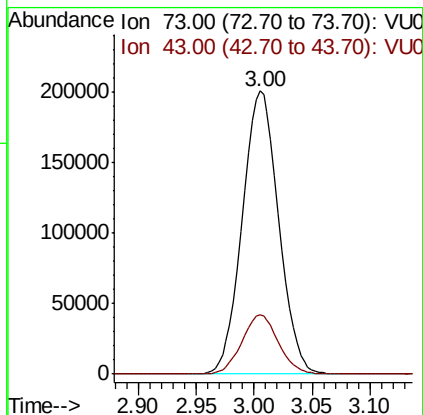
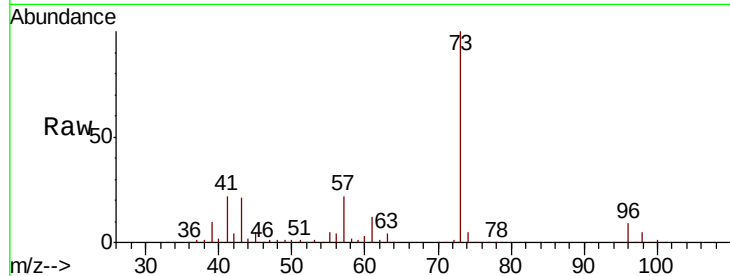


#25

Methyl tert-Butyl Ether
 Concen: 19.241 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

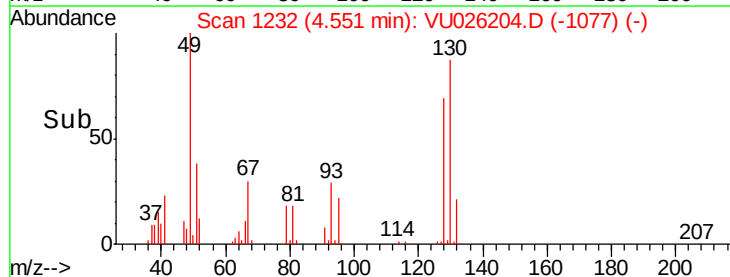
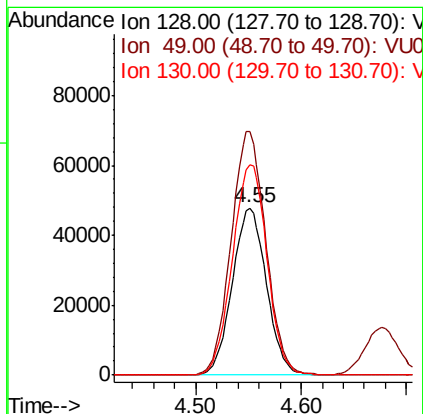
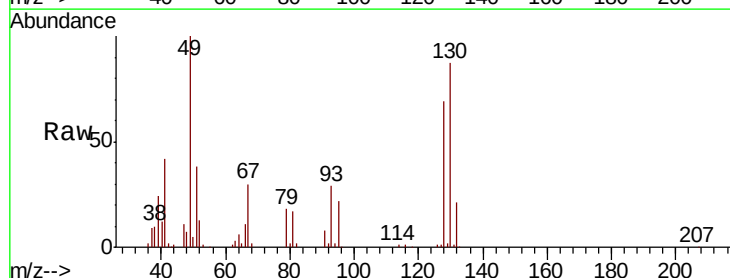
Tgt Ion: 73 Resp: 438376
 Ion Ratio Lower Upper
 73 100
 43 20.9 16.2 24.2

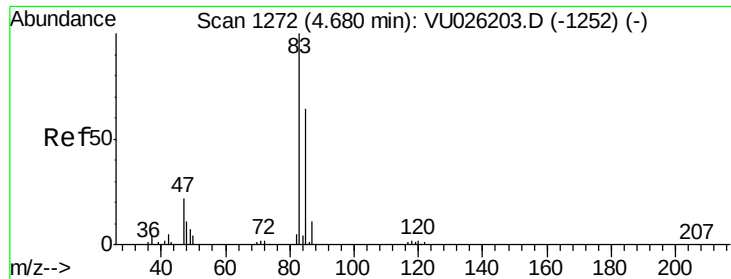


#26

Bromochloromethane
 Concen: 20.478 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 128 Resp: 107244
 Ion Ratio Lower Upper
 128 100
 49 148.3 0.0 375.2
 130 128.7 105.8 158.6





#27

Chloroform

Concen: 19.505 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

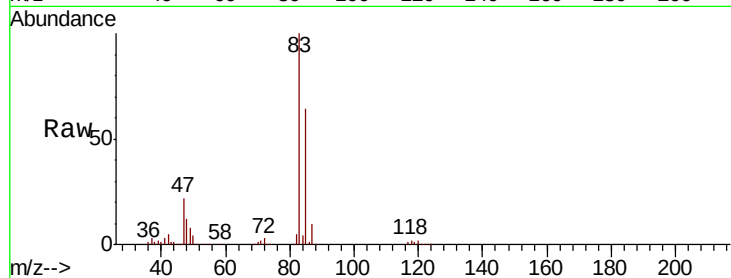
VSTDIC020

Tgt Ion: 83 Resp: 401597

Ion Ratio Lower Upper

83 100

85 63.5 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

150000

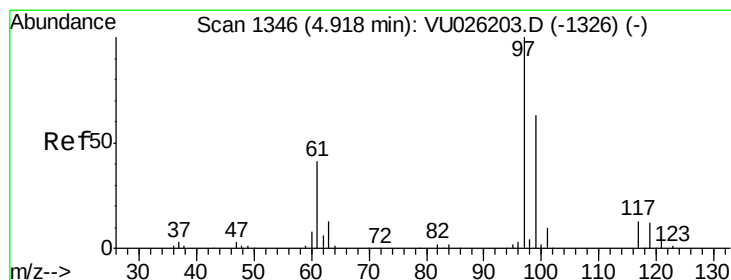
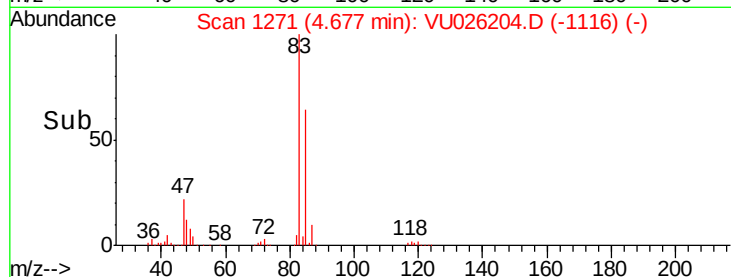
100000

50000

0

Time-->

4.60 4.70 4.80



#28

1,1,1-Trichloroethane

Concen: 19.488 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

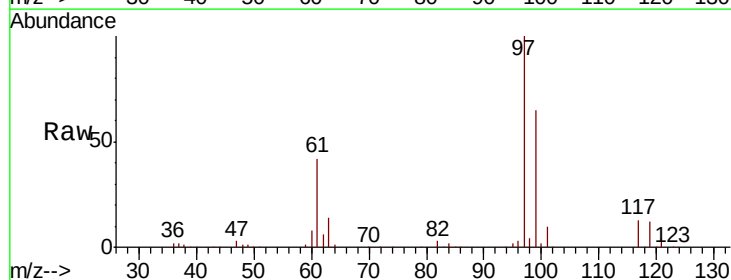
Tgt Ion: 97 Resp: 361859

Ion Ratio Lower Upper

97 100

99 65.3 32.3 96.9

61 42.9 23.2 69.5



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

4.91

150000

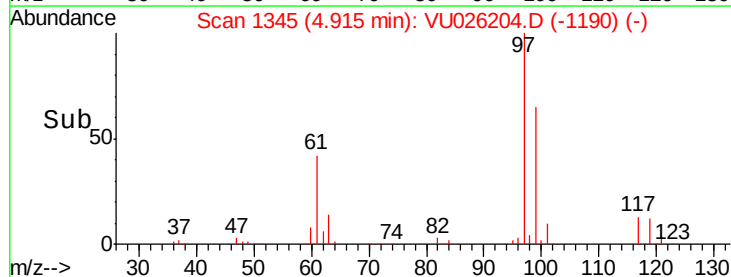
100000

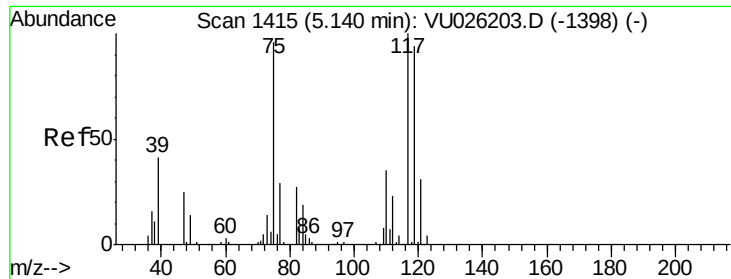
50000

0

Time-->

4.80 4.90 5.00

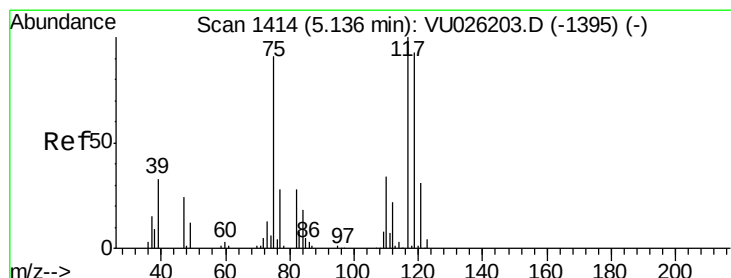
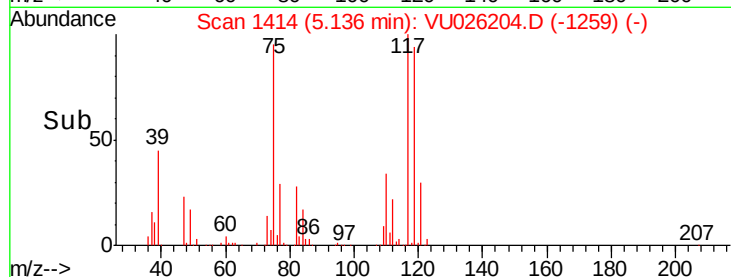
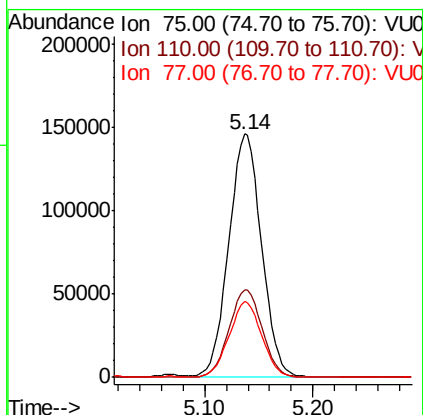
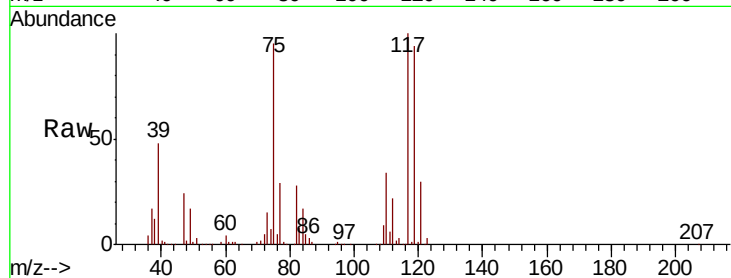




#29
 1,1-Dichloropropene
 Concen: 20.280 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

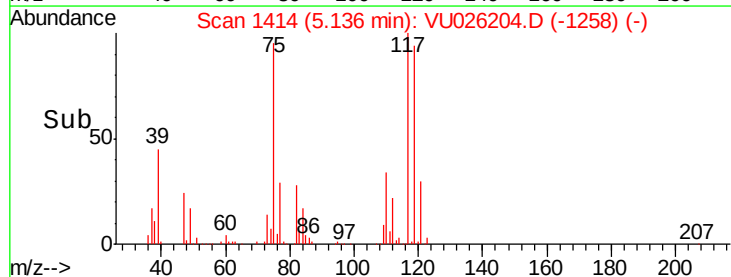
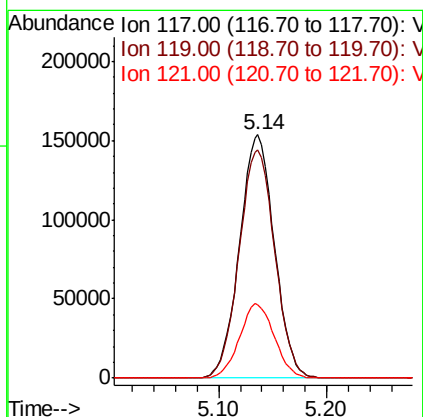
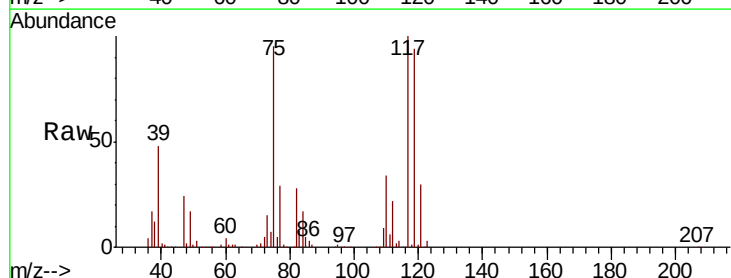
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

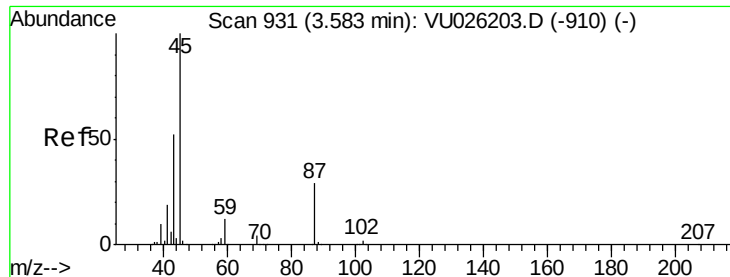
Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	16.9	50.7
77	31.1	24.8	37.2



#30
 Carbon Tetrachloride
 Concen: 20.453 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.3	115.9
121	30.2	24.5	36.7





#31

Isopropyl Ether

Concen: 20.212 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

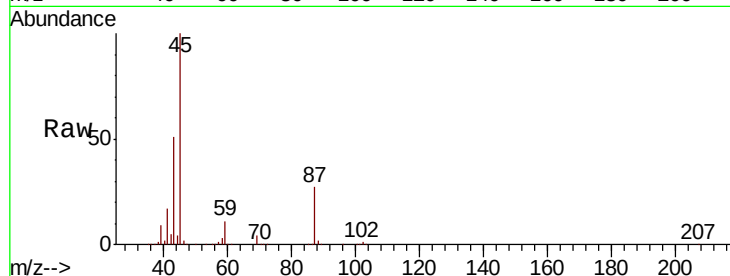
VSTDIC020

Tgt Ion: 45 Resp: 606691

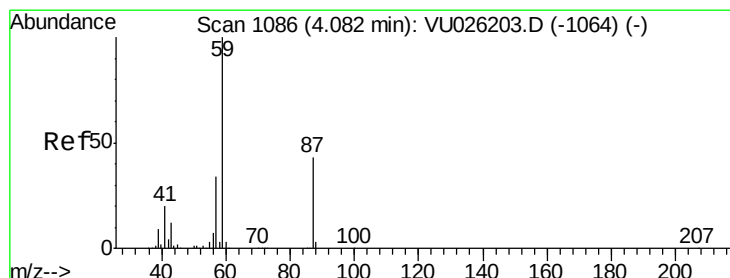
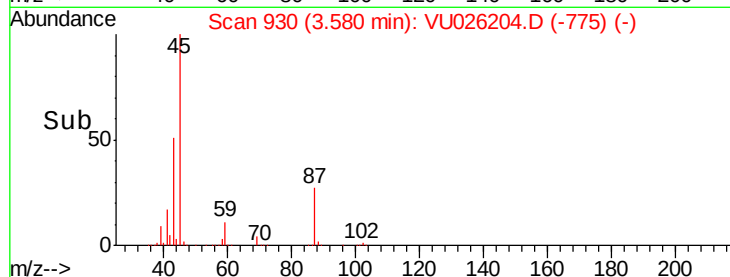
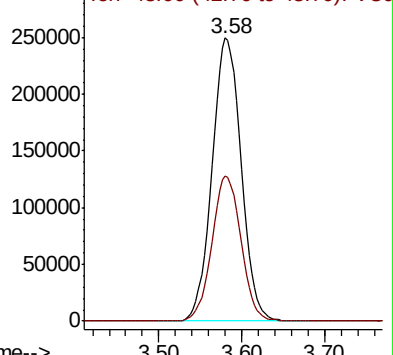
Ion Ratio Lower Upper

45 100

43 51.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU026203.D (-910) (-)



#32

Ethyl-t-butyl ether

Concen: 19.492 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026204.D

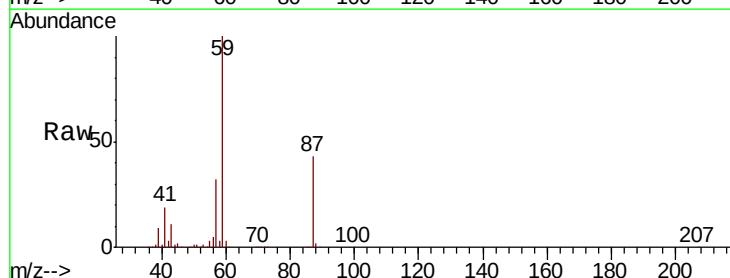
Acq: 20 Aug 2018 13:12

Tgt Ion: 59 Resp: 555992

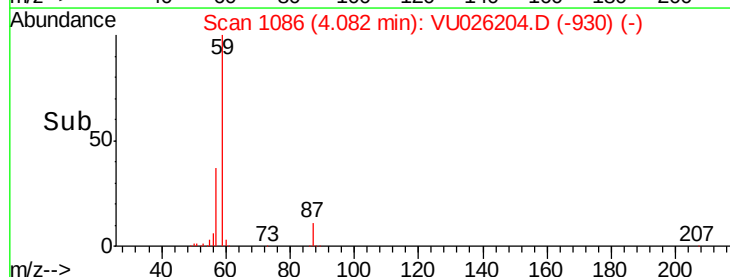
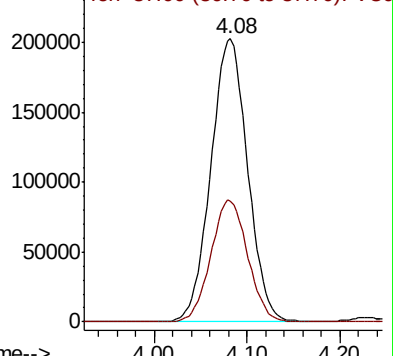
Ion Ratio Lower Upper

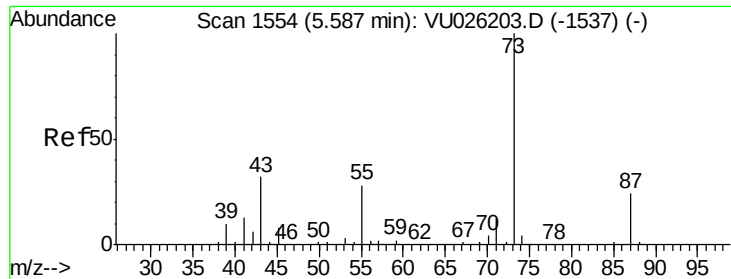
59 100

87 42.9 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026203.D (-1064) (-)

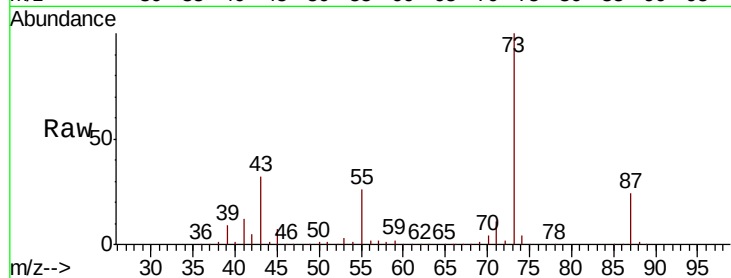




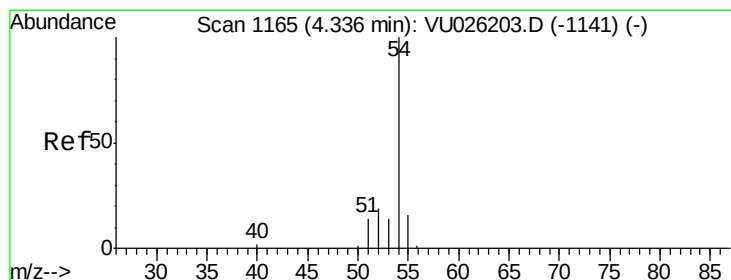
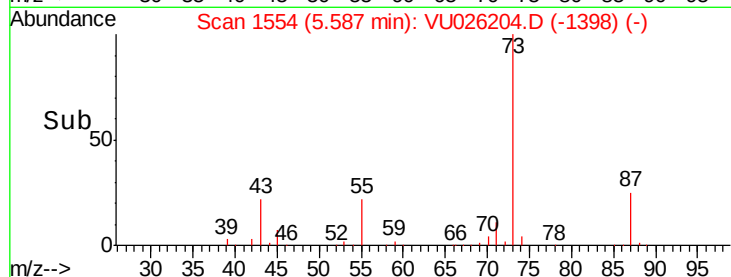
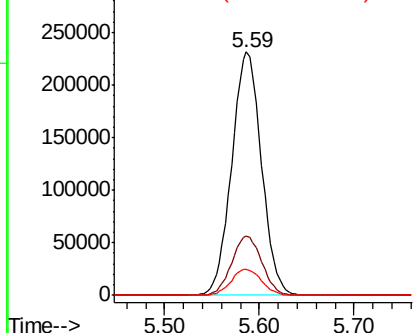
#33
Tert-Amyl methyl ether
Concen: 20.037 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 504618
Ion Ratio Lower Upper
73 100
87 24.7 18.6 28.0
71 11.1 9.3 13.9

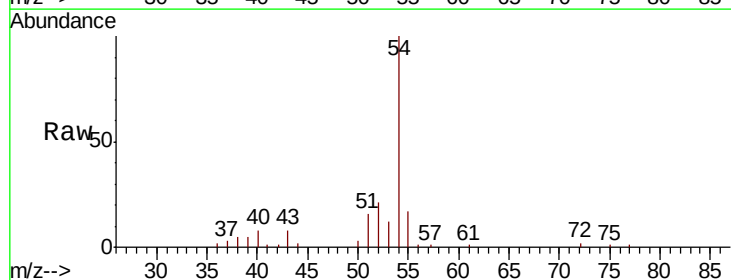


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

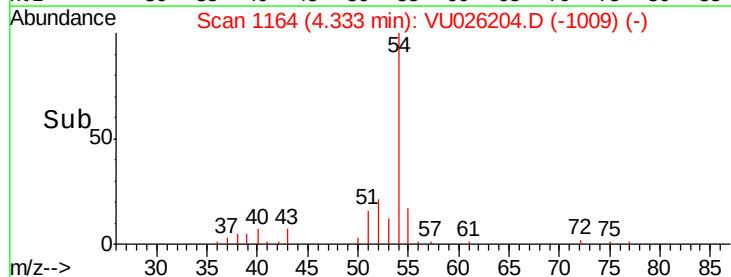
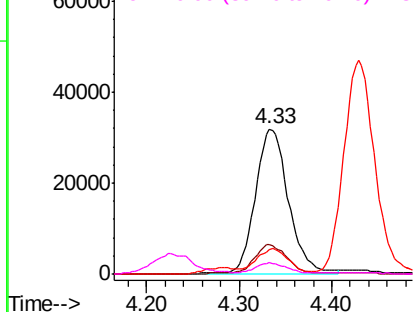


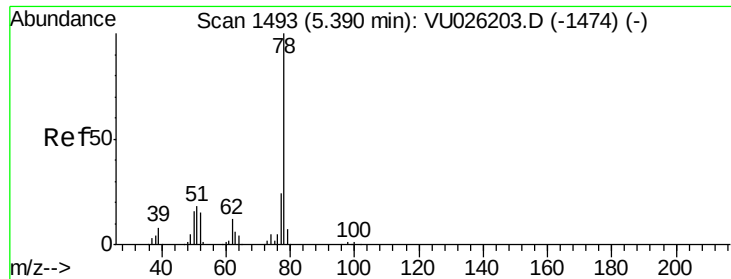
#34
Propionitrile
Concen: 102.096 ug/l
RT: 4.33 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion: 54 Resp: 79512
Ion Ratio Lower Upper
54 100
52 19.2 13.7 20.5
55 15.8 10.2 15.2#
40 6.3 3.5 5.3#



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





#35

Benzene

Concen: 20.135 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

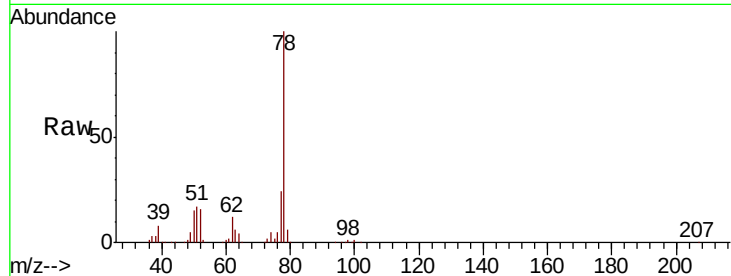
VSTDIC020

Tgt Ion: 78 Resp: 857235

Ion Ratio Lower Upper

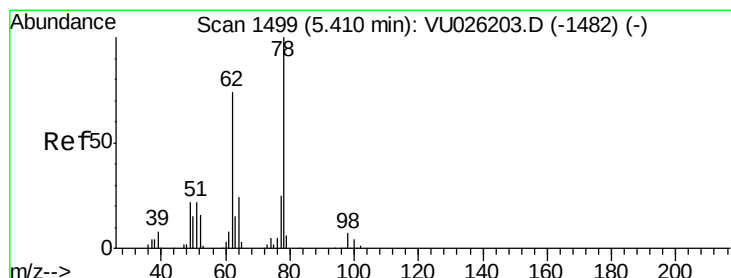
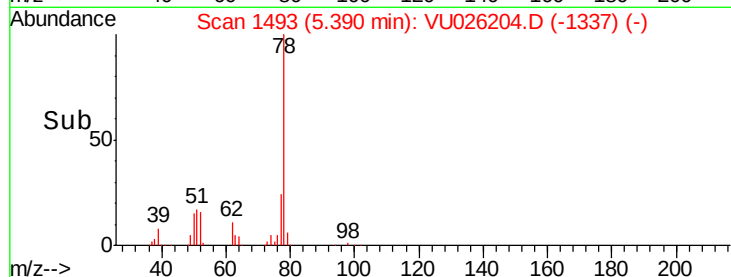
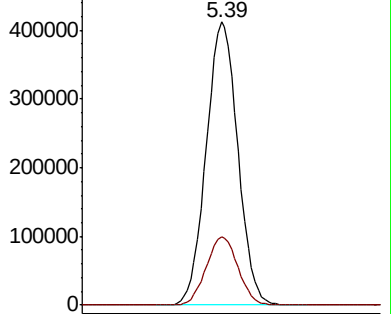
78 100

77 24.0 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: 19.617 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026204.D

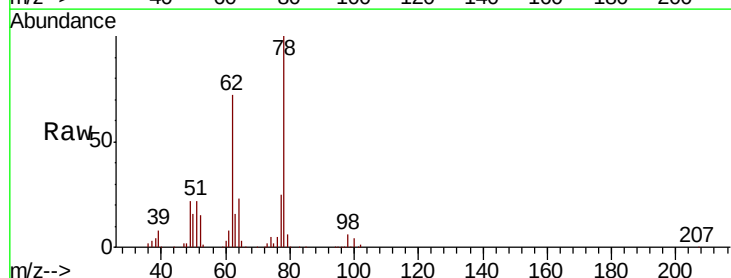
Acq: 20 Aug 2018 13:12

Tgt Ion: 62 Resp: 256387

Ion Ratio Lower Upper

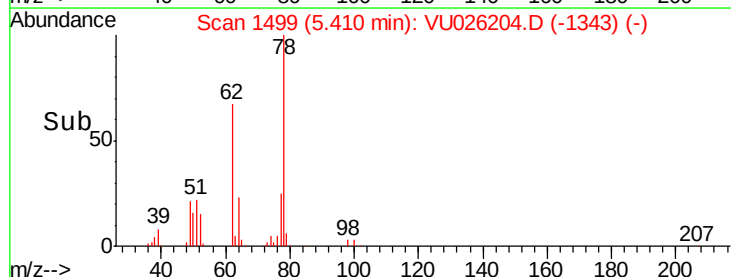
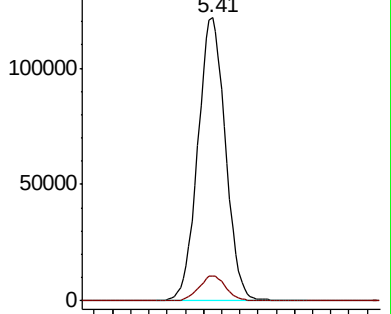
62 100

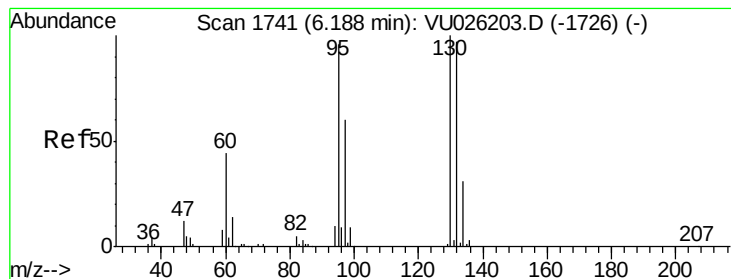
98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 19.083 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

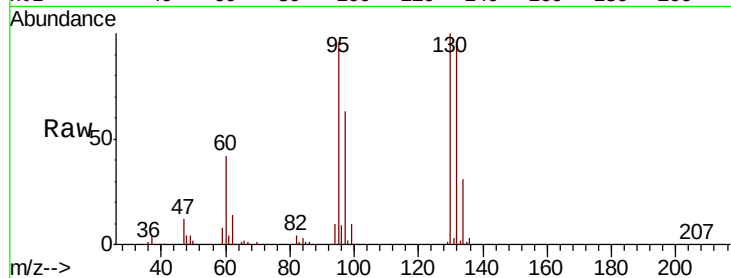
VSTDIC020

Tgt Ion:130 Resp: 239316

Ion Ratio Lower Upper

130 100

95 96.2 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU026204.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU026204.D (-1585) (-)

6.19

150000

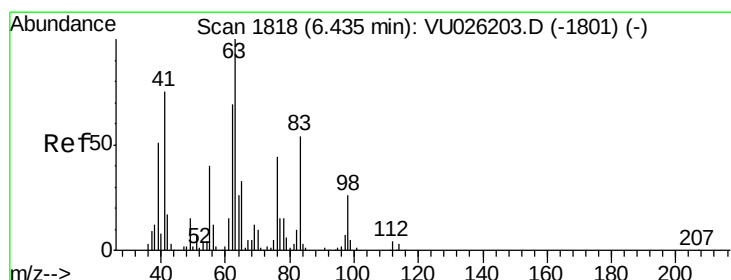
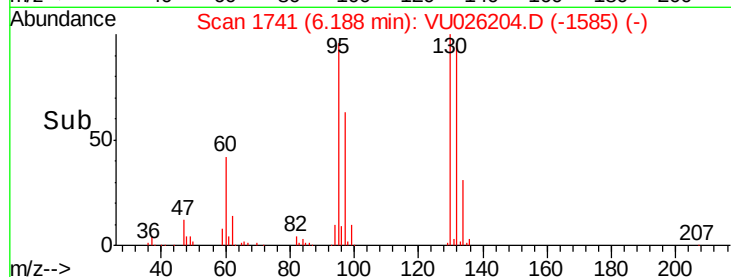
100000

50000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 19.984 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026204.D

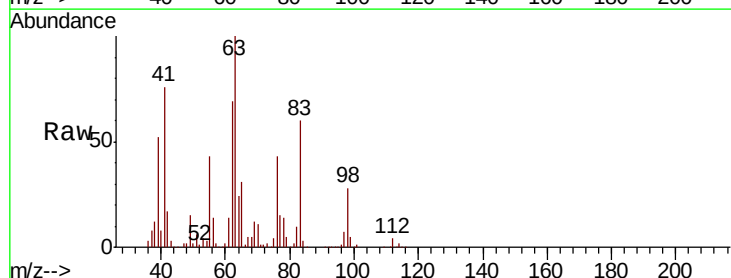
Acq: 20 Aug 2018 13:12

Tgt Ion: 63 Resp: 220759

Ion Ratio Lower Upper

63 100

65 31.2 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026204.D (-1662) (-)

Ion 65.00 (64.70 to 65.70): VU026204.D (-1662) (-)

6.44

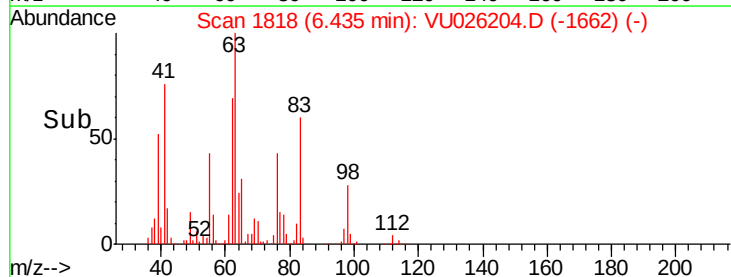
100000

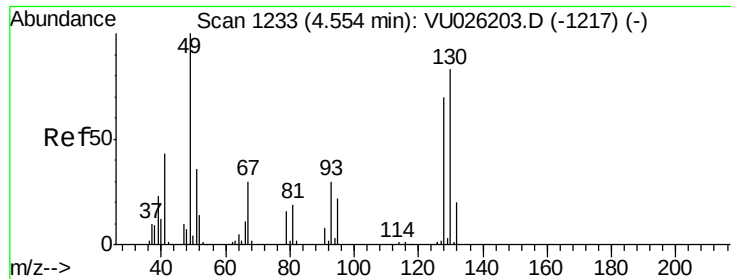
50000

0

6.35 6.40 6.45 6.50

Time-->

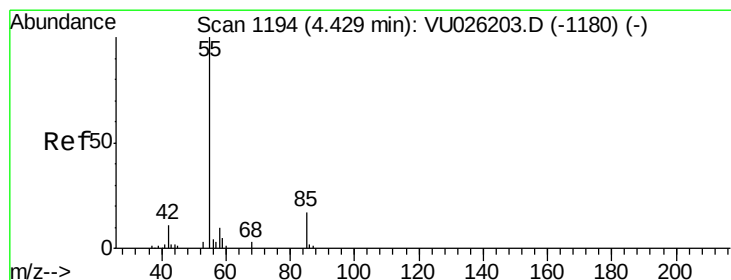
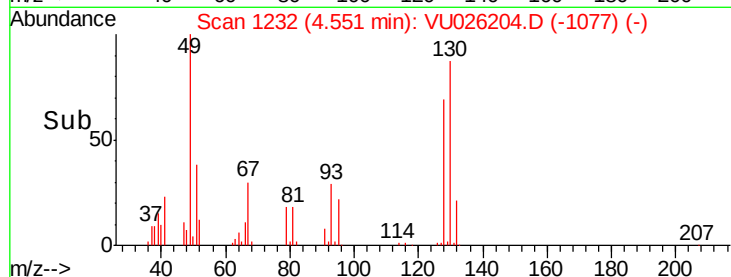
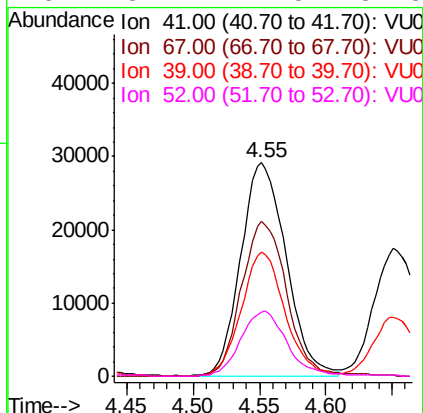
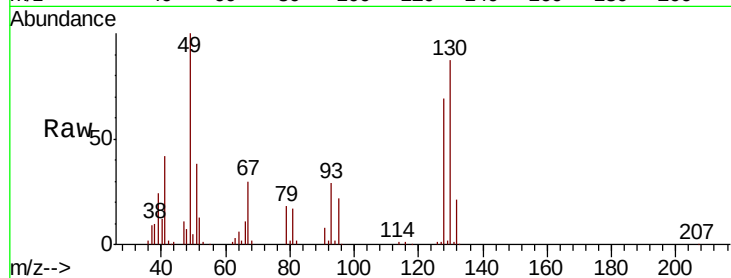




#39
Methacrylonitrile
Concen: 19.484 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

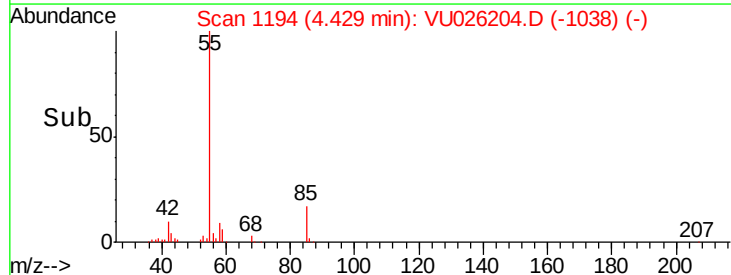
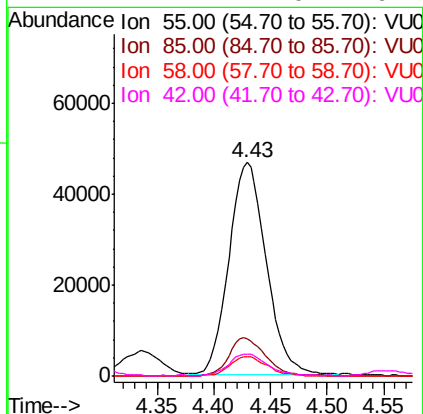
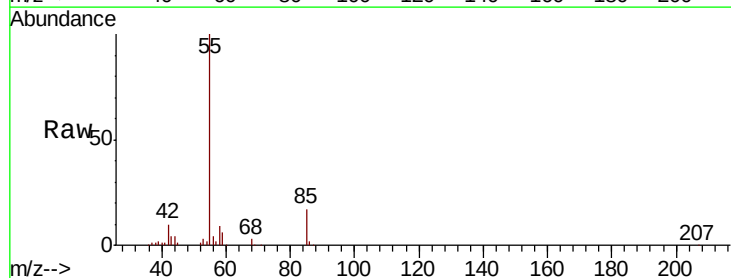
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

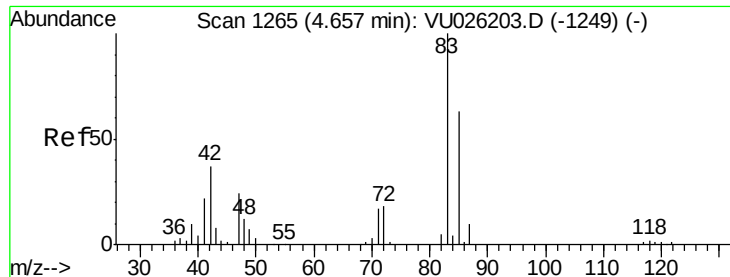
Tgt Ion:	41	Resp:	69856
Ion	Ratio	Lower	Upper
41	100		
67	72.3	51.3	76.9
39	55.6	40.6	60.8
52	31.1	21.5	32.3



#40
Methyl acrylate
Concen: 19.781 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	55	Resp:	106959
Ion	Ratio	Lower	Upper
55	100		
85	17.5	12.3	18.5
58	9.1	7.0	10.6
42	11.1	7.0	10.4#





#41

Tetrahydrofuran

Concen: 32.959 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

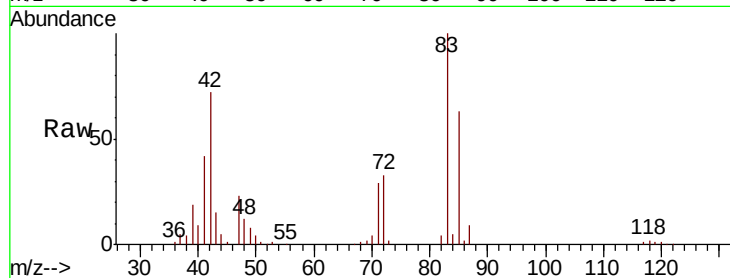
Tgt Ion: 42 Resp: 69822

Ion Ratio Lower Upper

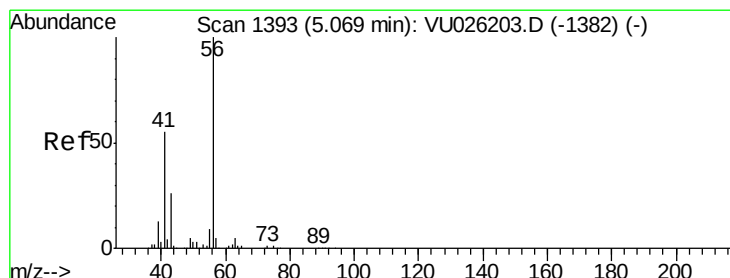
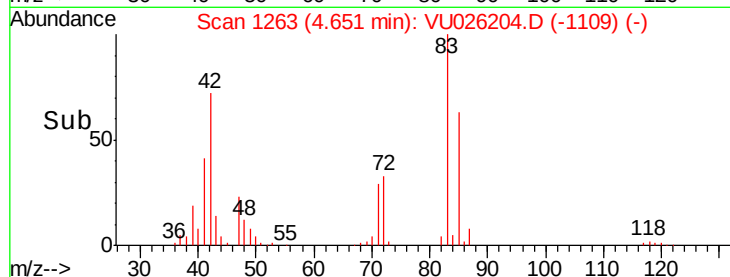
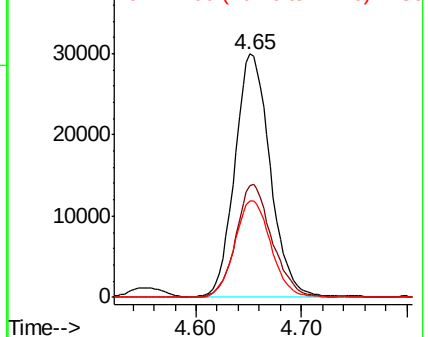
42 100

72 47.3 33.2 49.8

71 40.7 29.8 44.8



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



#42

1-Chlorobutane

Concen: 20.361 ug/l

RT: 5.07 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU026204.D

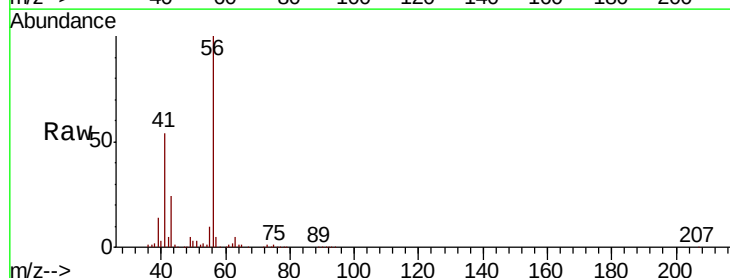
Acq: 20 Aug 2018 13:12

Tgt Ion: 56 Resp: 422669

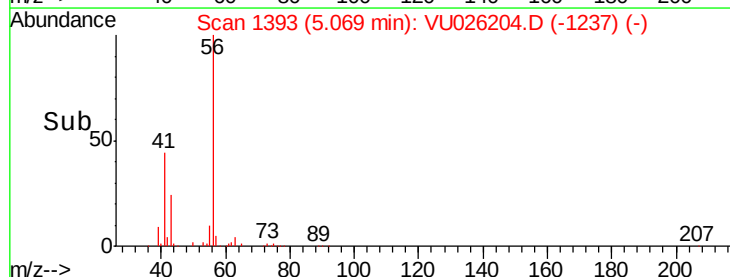
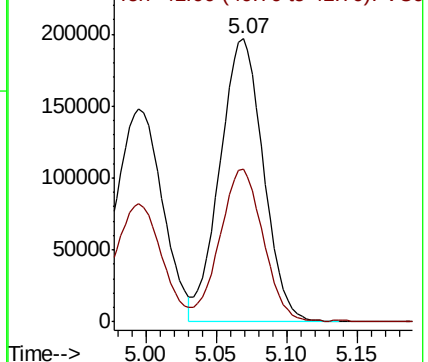
Ion Ratio Lower Upper

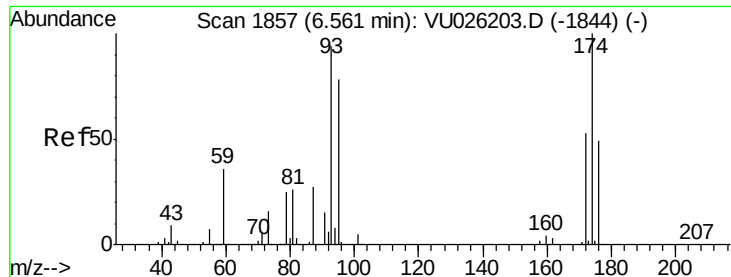
56 100

41 53.5 27.5 82.5



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





#43

Dibromomethane

Concen: 19.973 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

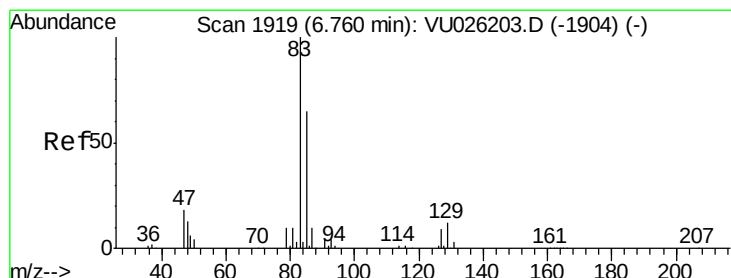
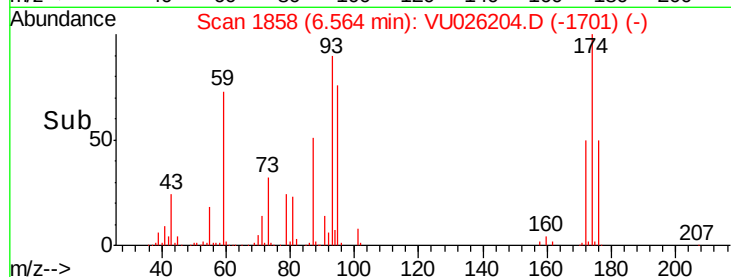
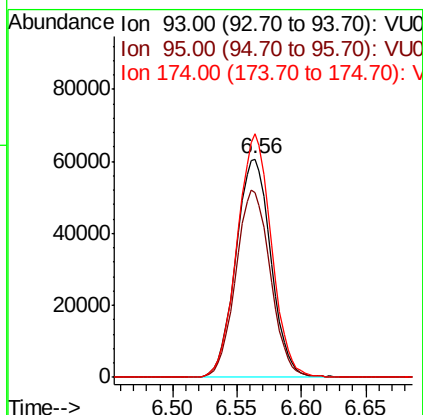
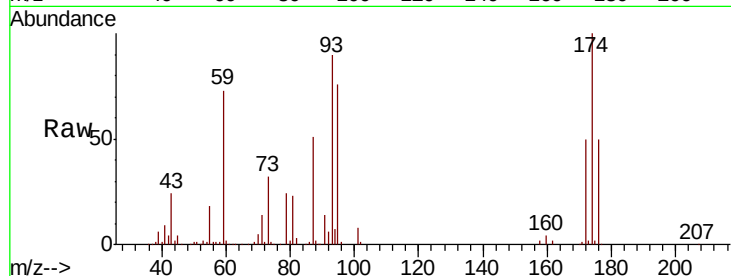
Tgt Ion: 93 Resp: 115169

Ion Ratio Lower Upper

93 100

95 84.7 67.2 100.8

174 108.9 82.8 124.2



#44

Bromodichloromethane

Concen: 20.551 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

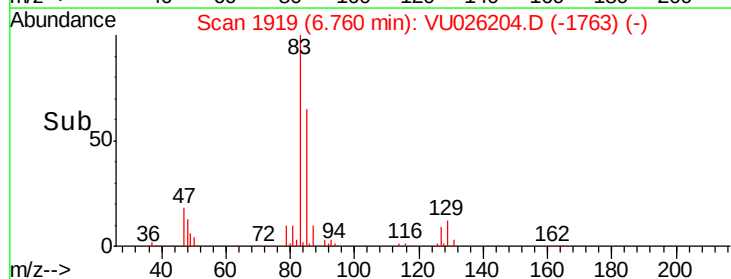
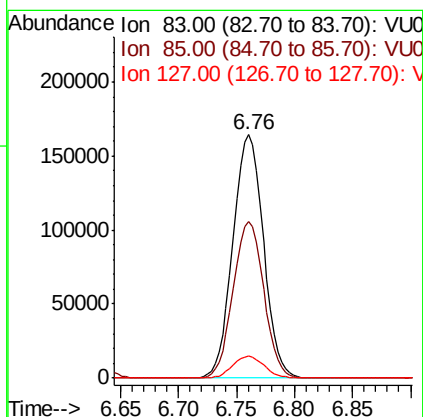
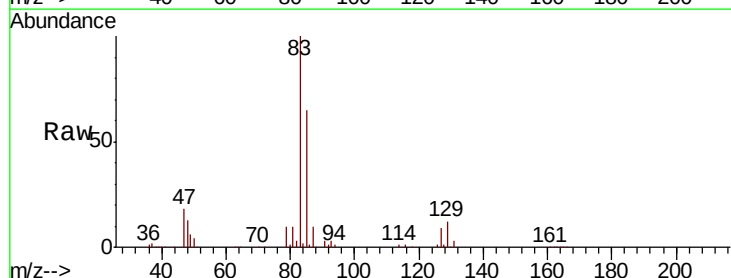
Tgt Ion: 83 Resp: 300324

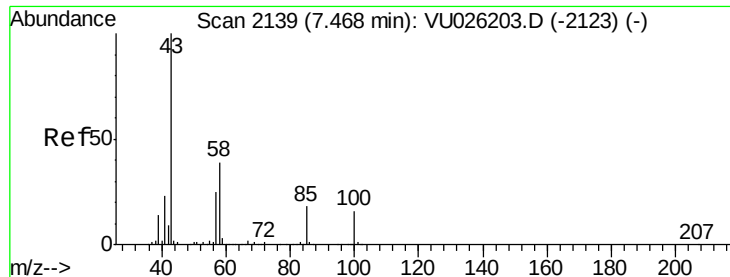
Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.4

127 9.2 7.0 10.4

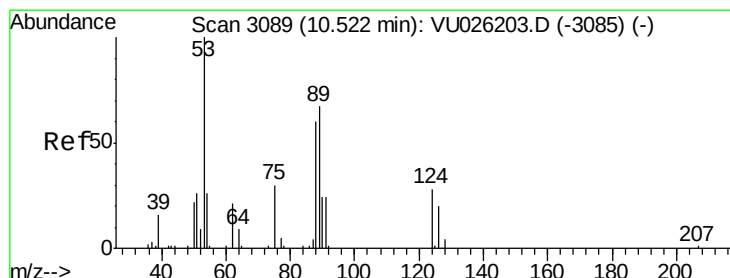
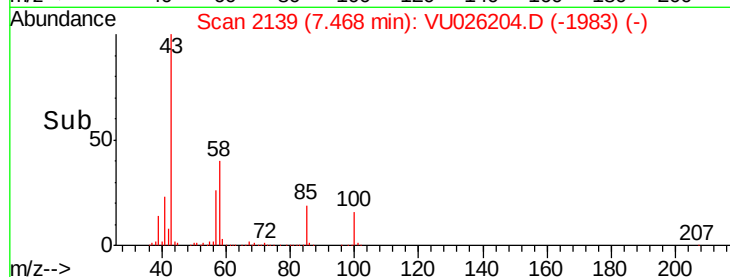
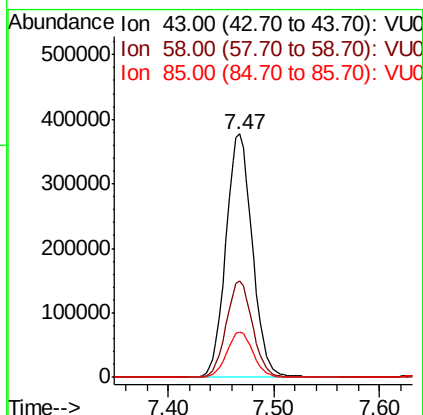
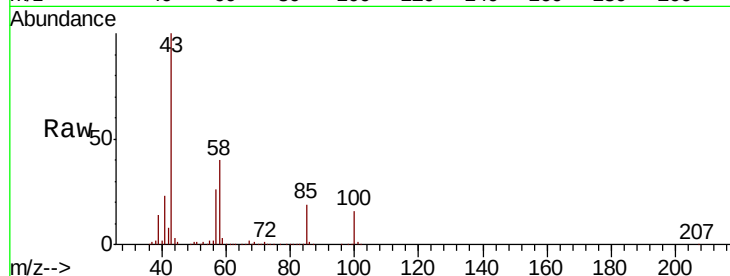




#45
 4-Methyl-2-Pentanone
 Concen: 101.571 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

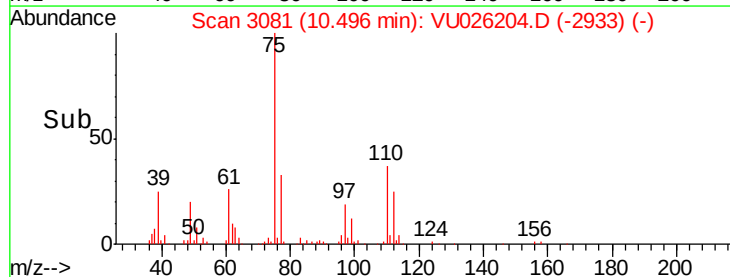
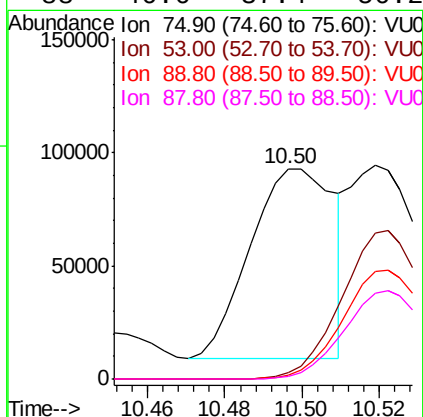
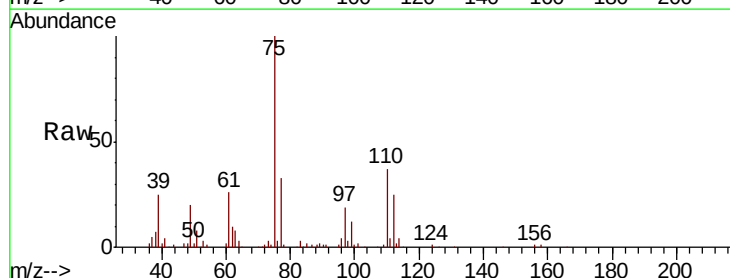
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

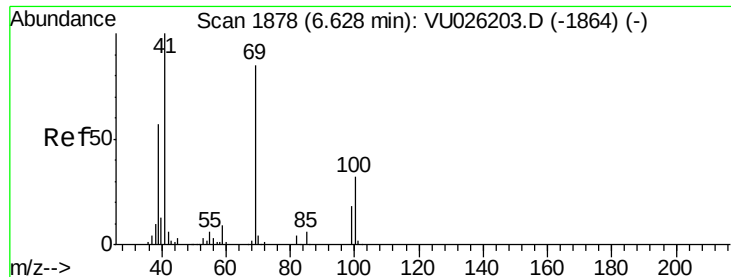
Tgt Ion: 43 Resp: 653232
 Ion Ratio Lower Upper
 43 100
 58 39.2 18.8 56.4
 85 18.5 12.6 19.0



#46
 t-1,4-Dichloro-2-butene
 Concen: 44.177 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.03 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 75 Resp: 126217
 Ion Ratio Lower Upper
 75 100
 53 79.0 82.2 123.4#
 89 58.4 51.3 76.9
 88 46.6 37.4 56.2

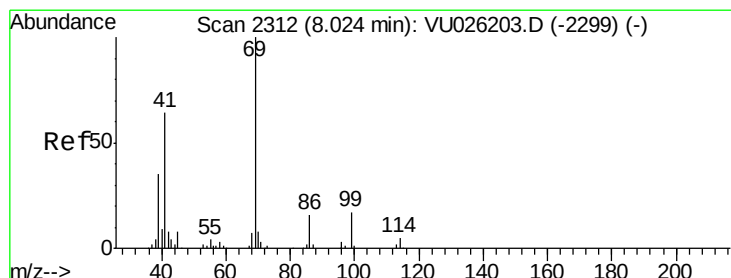
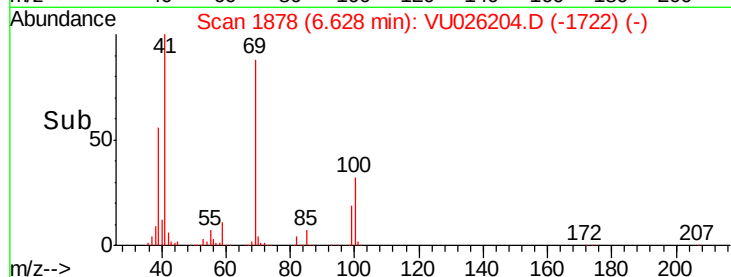
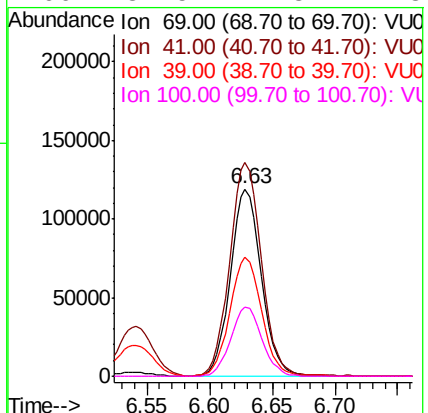
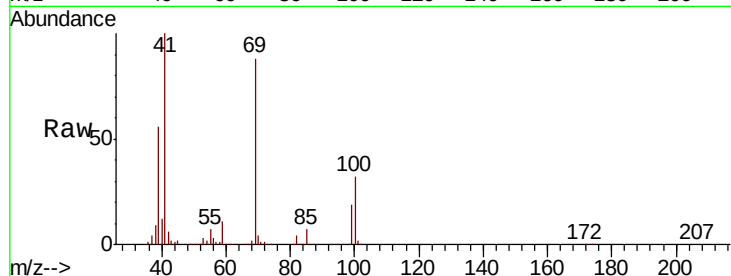




#47
Methyl methacrylate
Concen: 42.431 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

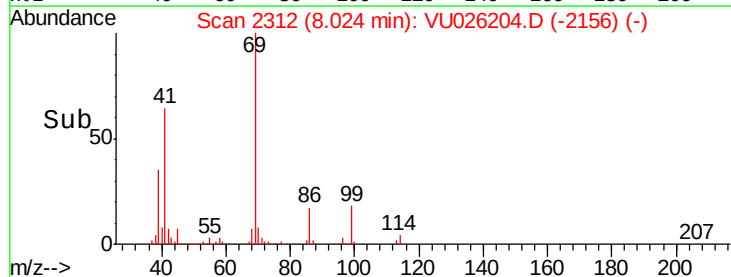
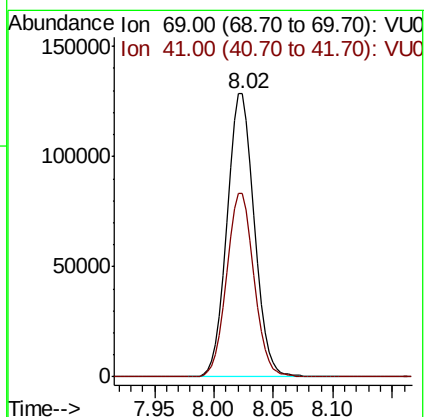
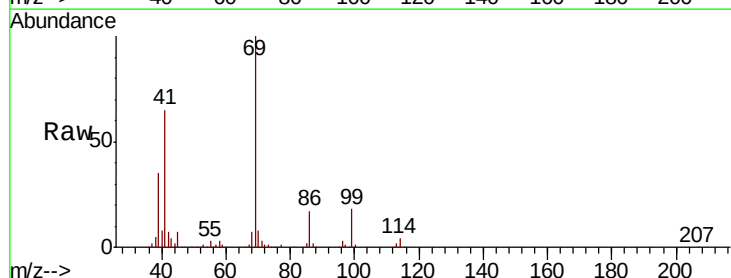
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

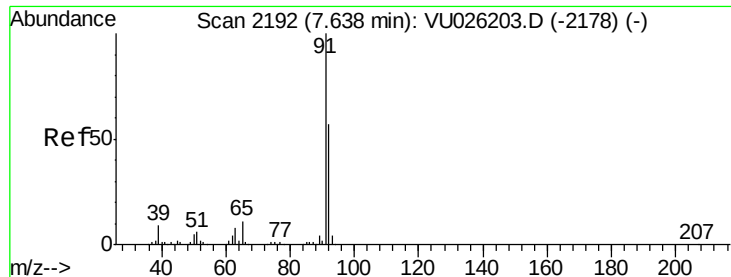
Tgt Ion: 69 Resp: 204627
Ion Ratio Lower Upper
69 100
41 115.8 0.0 245.4
39 64.8 49.0 73.4
100 37.5 27.8 41.8



#48
Ethyl methacrylate
Concen: 21.143 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion: 69 Resp: 204820
Ion Ratio Lower Upper
69 100
41 65.0 34.2 102.5





#49

Toluene

Concen: 20.842 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

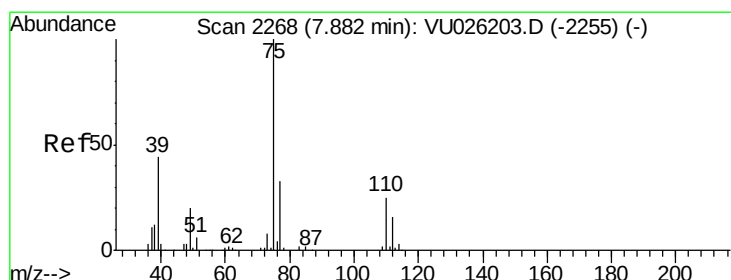
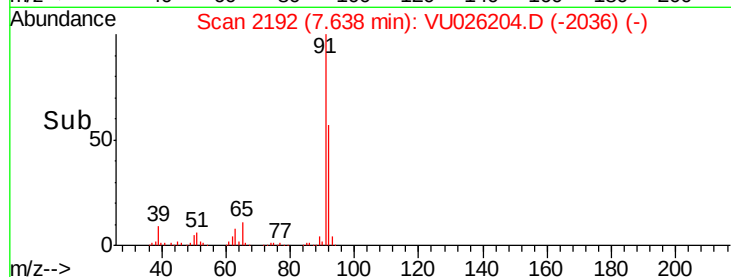
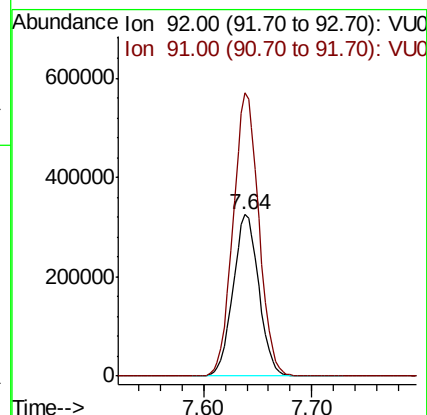
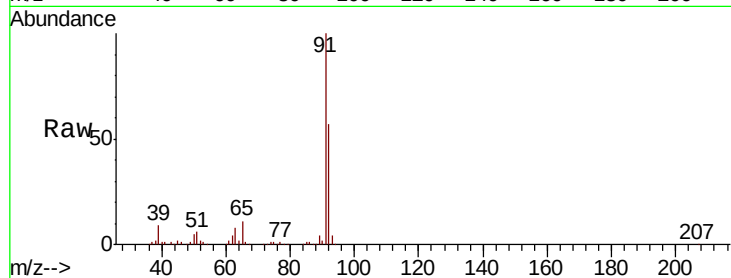
VSTDIC020

Tgt Ion: 92 Resp: 542285

Ion Ratio Lower Upper

92 100

91 174.6 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 21.057 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026204.D

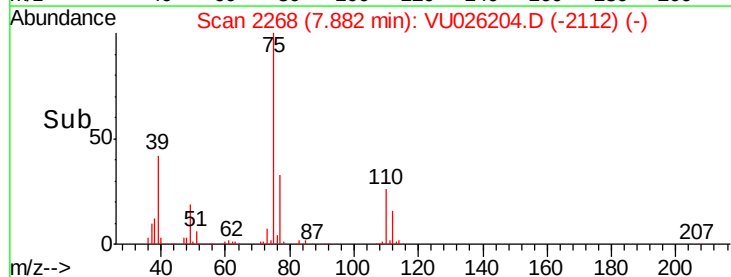
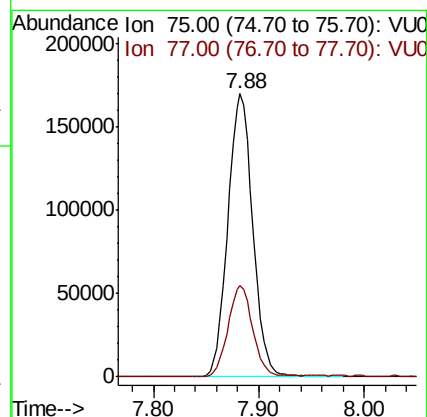
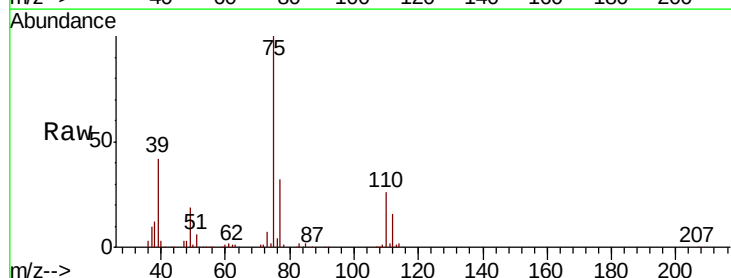
Acq: 20 Aug 2018 13:12

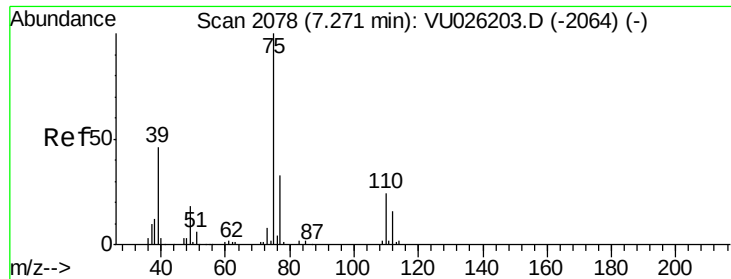
Tgt Ion: 75 Resp: 277774

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8



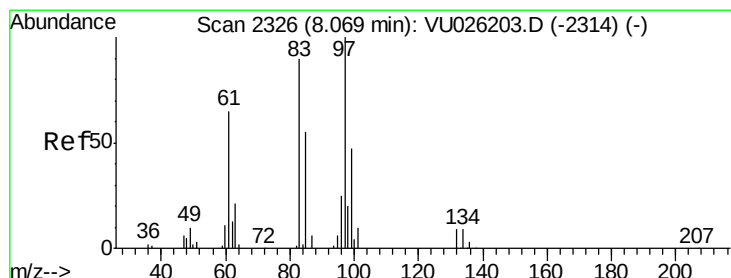
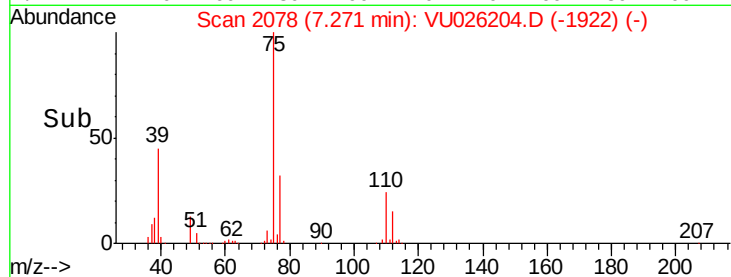
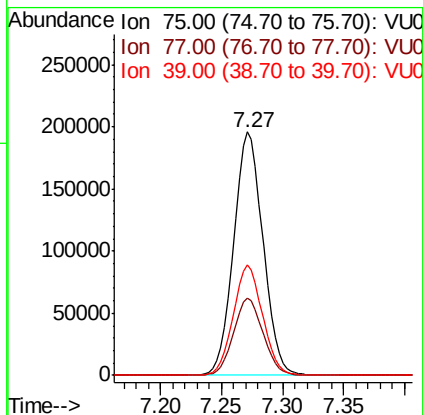
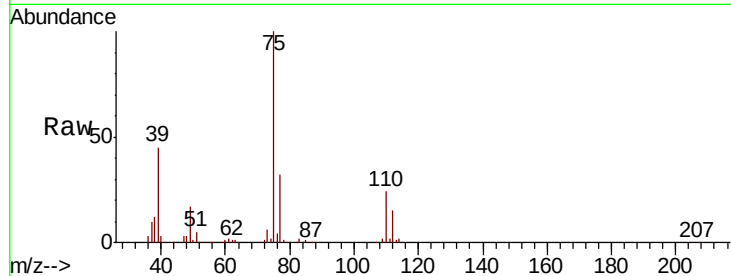


#51

cis-1,3-Dichloropropene
Concen: 20.694 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

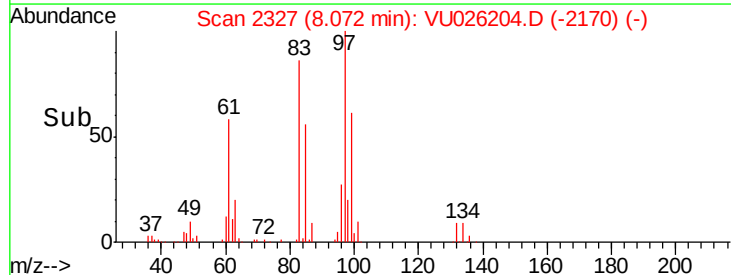
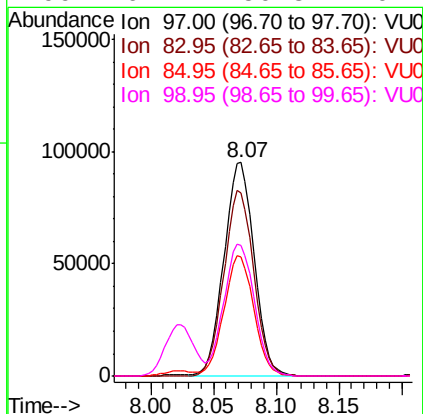
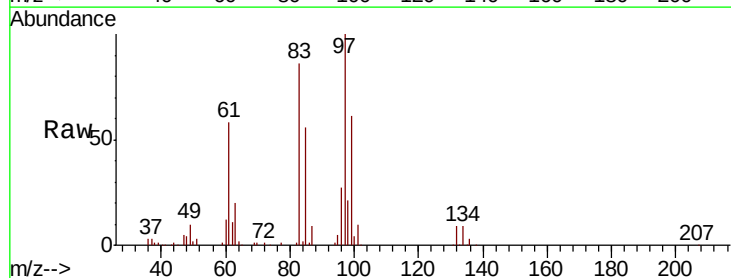
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	45.2	36.4	54.6

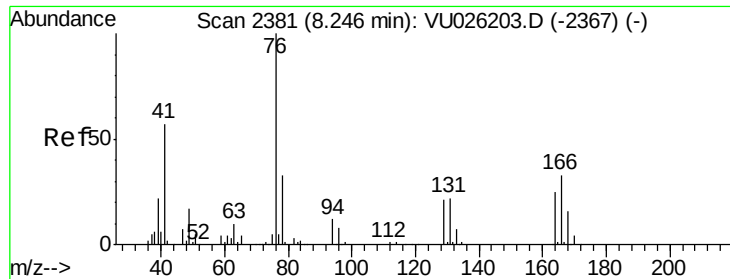


#52

1,1,2-Trichloroethane
Concen: 20.493 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	72.6	109.0
85	55.7	47.2	70.8
99	61.1	50.8	76.2

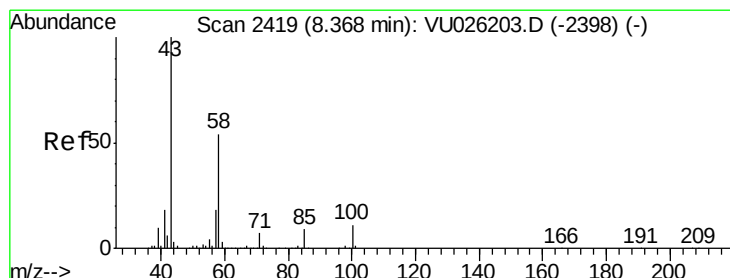
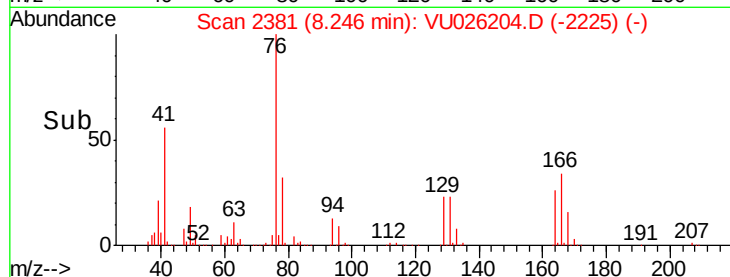
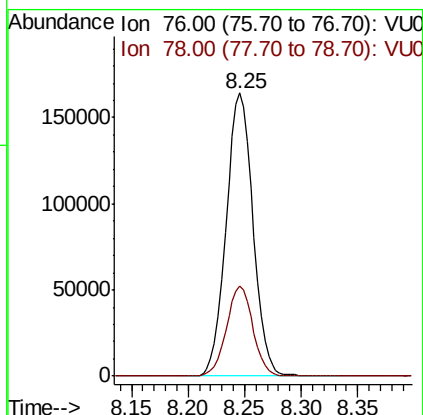
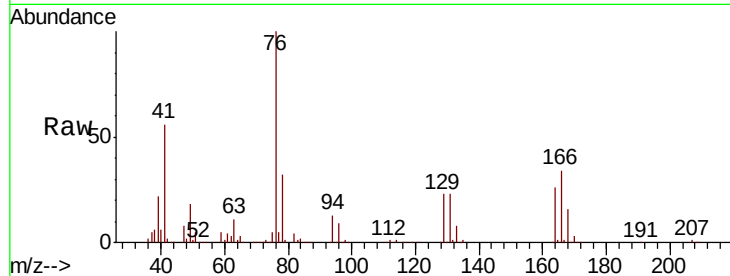




#53
 1,3-Dichloropropane
 Concen: 20.785 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

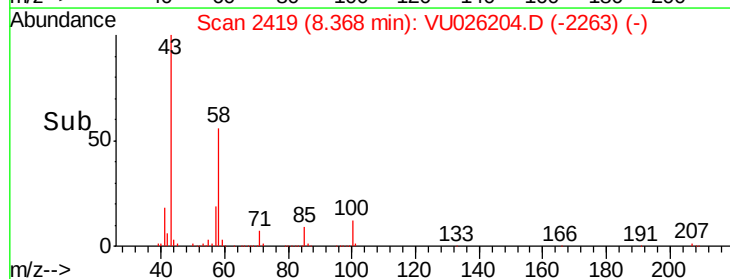
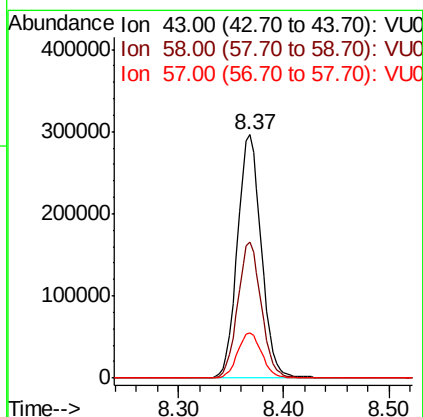
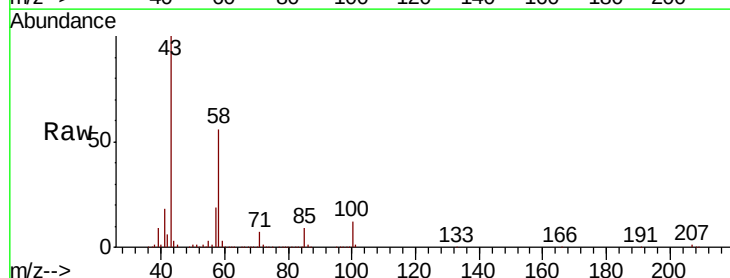
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

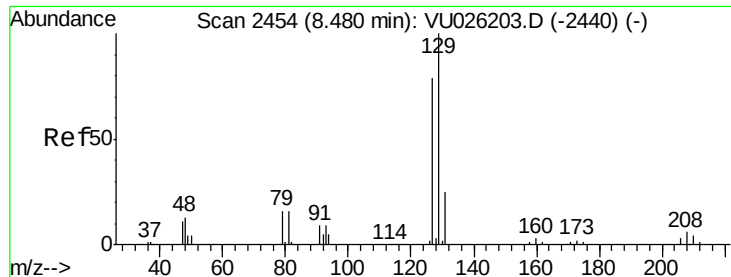
Tgt Ion: 76 Resp: 271296
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.7 38.5



#54
 2-Hexanone
 Concen: 102.478 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 43 Resp: 465439
 Ion Ratio Lower Upper
 43 100
 58 54.9 32.5 72.5
 57 18.8 0.0 37.9

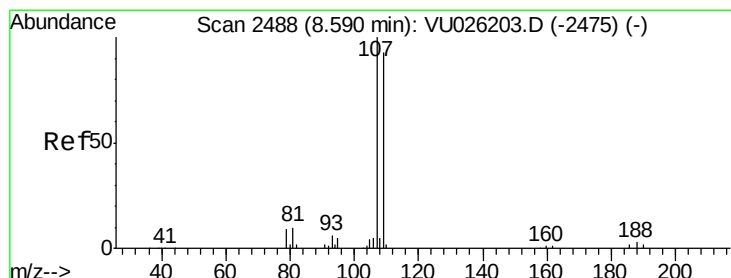
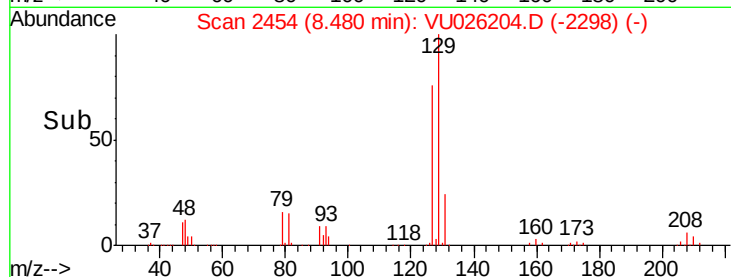
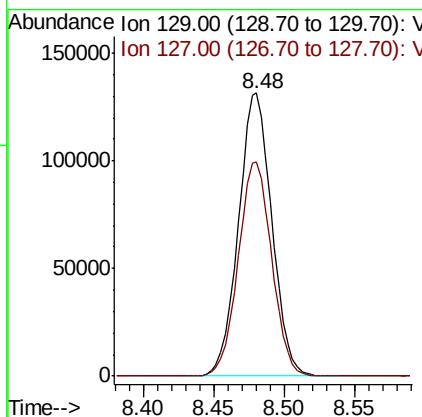
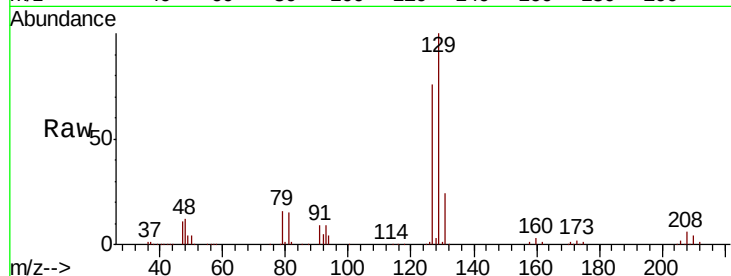




#55
 Dibromochloromethane
 Concen: 22.167 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

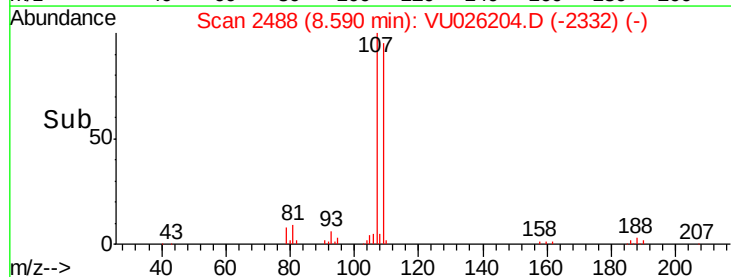
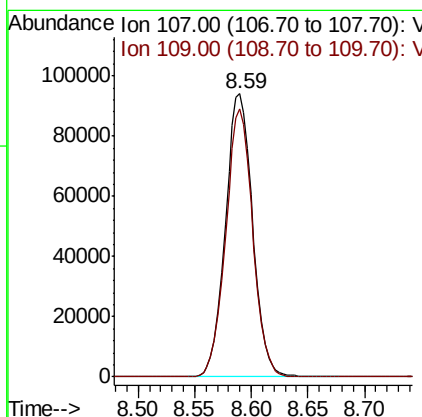
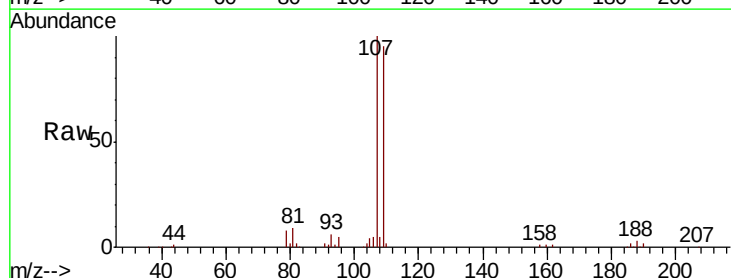
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

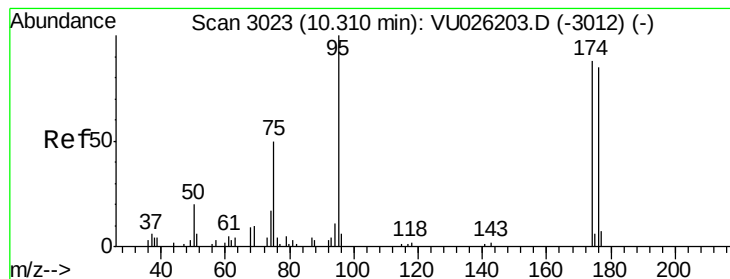
Tgt Ion:129 Resp: 217907
 Ion Ratio Lower Upper
 129 100
 127 76.0 61.1 91.7



#56
 1,2-Dibromoethane
 Concen: 21.024 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:107 Resp: 157287
 Ion Ratio Lower Upper
 107 100
 109 93.7 0.0 189.0





#57

4-Bromofluorobenzene

Concen: 21.024 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

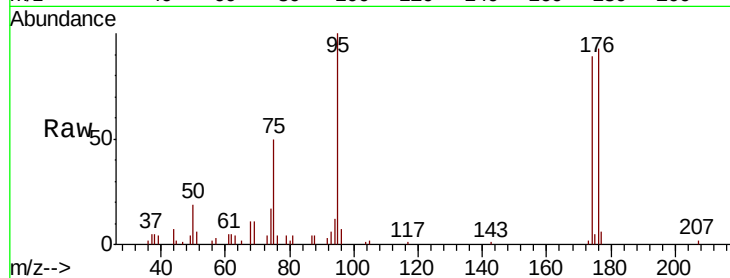
Tgt Ion: 95 Resp: 13940

Ion Ratio Lower Upper

95 100

174 90.8 65.6 98.4

176 90.9 62.0 93.0

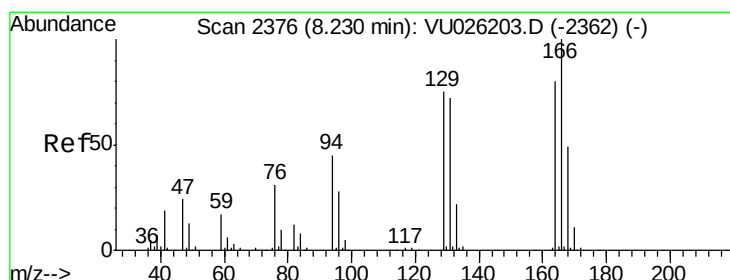
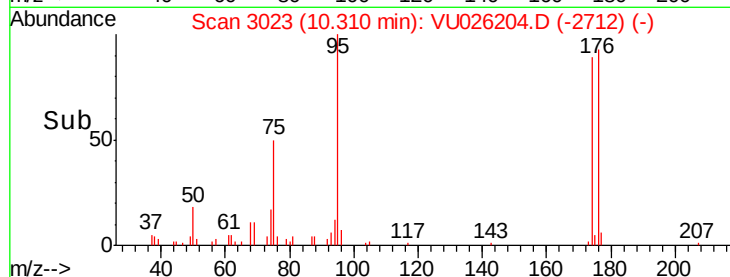
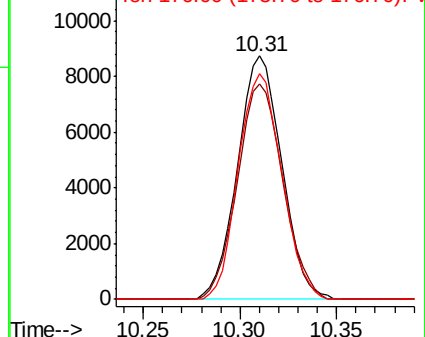


Abundance

Ion 95.00 (94.70 to 95.70): VU026204.D (-2220) (-)

Ion 174.00 (173.70 to 174.70): VU026204.D (-2220) (-)

Ion 176.00 (175.70 to 176.70): VU026204.D (-2220) (-)



#58

Tetrachloroethene

Concen: 19.914 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Tgt Ion: 164 Resp: 224478

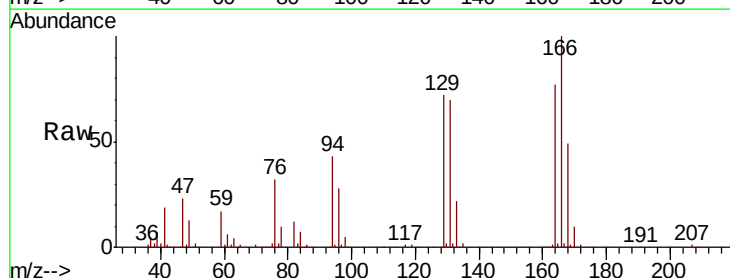
Ion Ratio Lower Upper

164 100

166 129.4 104.1 156.1

129 93.3 76.8 115.2

131 90.5 72.6 108.8



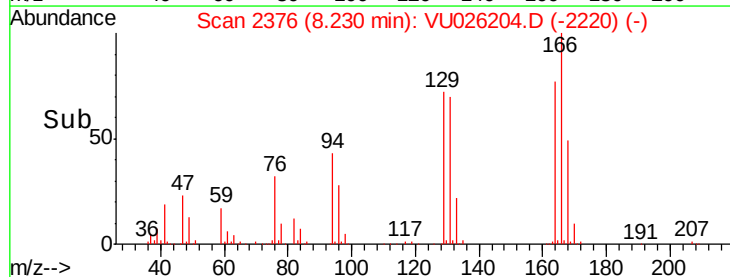
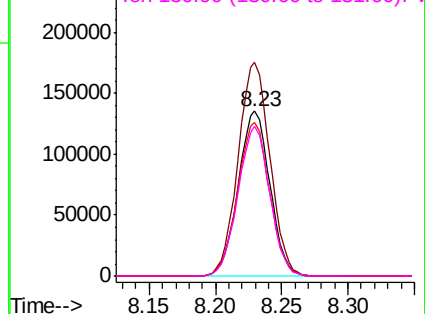
Abundance

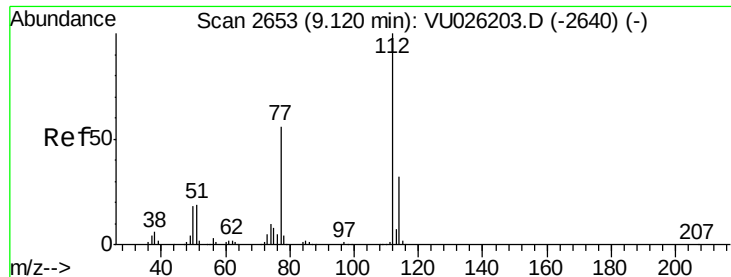
Ion 163.85 (163.55 to 164.55): VU026204.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026204.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026204.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026204.D (-2220) (-)

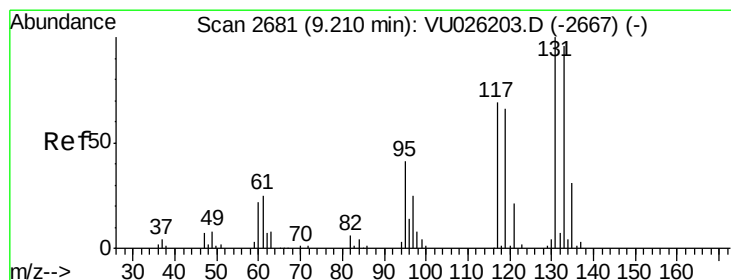
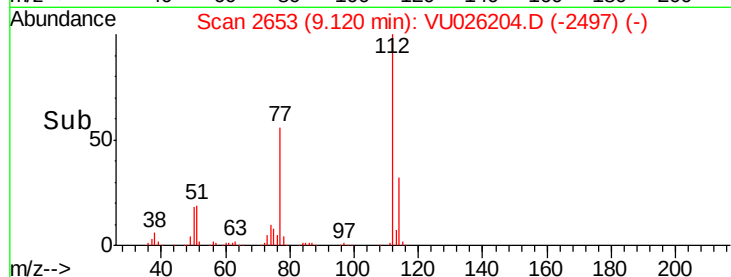
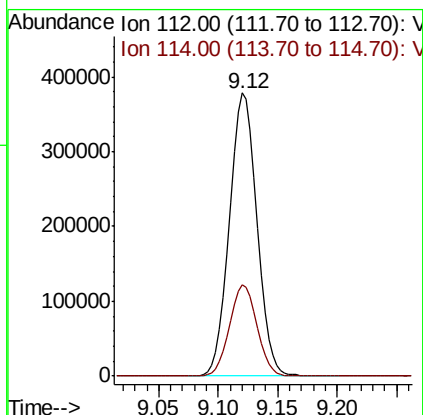
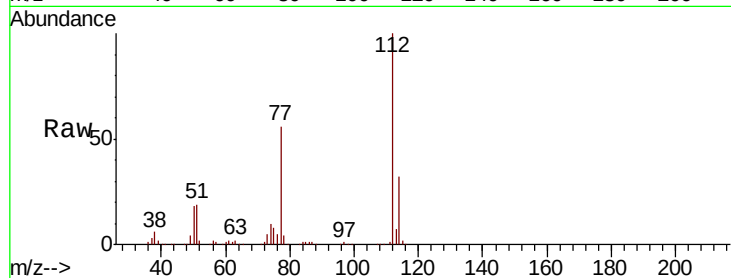




#59
Chlorobenzene
Concen: 20.294 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

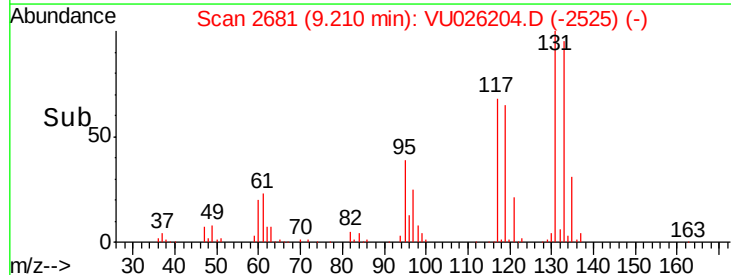
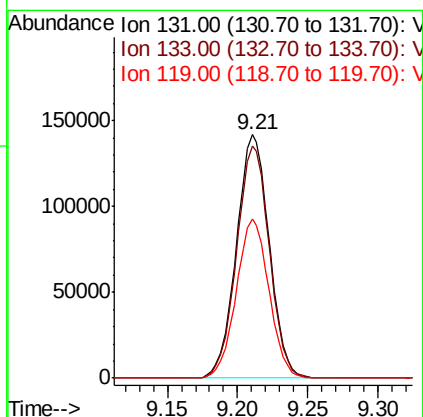
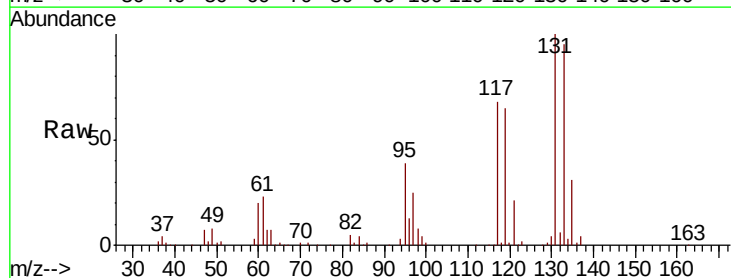
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

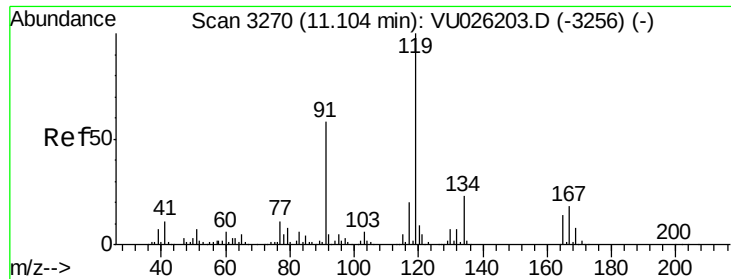
Tgt Ion:112 Resp: 607159
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2



#60
1,1,1,2-Tetrachloroethane
Concen: 20.839 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:131 Resp: 231504
Ion Ratio Lower Upper
131 100
133 95.0 75.8 113.8
119 65.0 53.0 79.6





#61

Pentachloroethane

Concen: 22.233 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

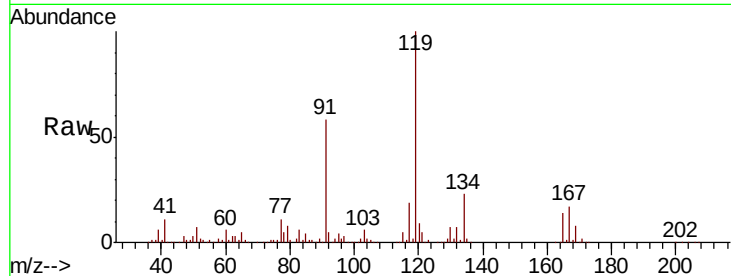
VSTDIC020

Tgt Ion:117 Resp: 188512

Ion Ratio Lower Upper

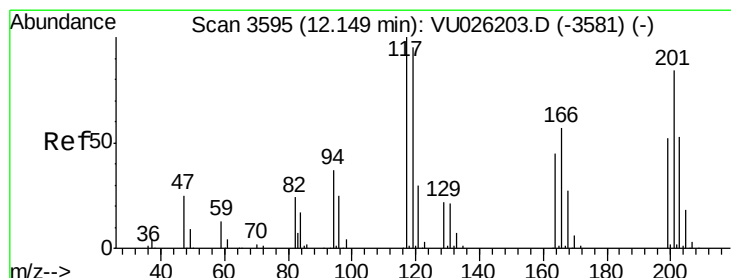
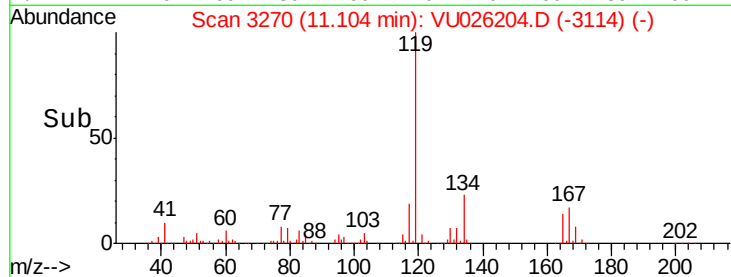
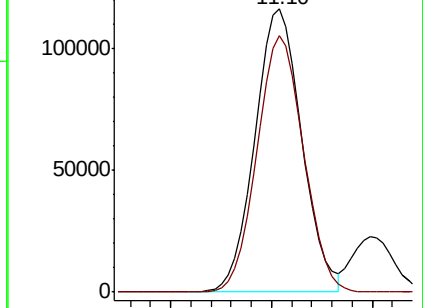
117 100

167 89.6 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 23.534 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026204.D

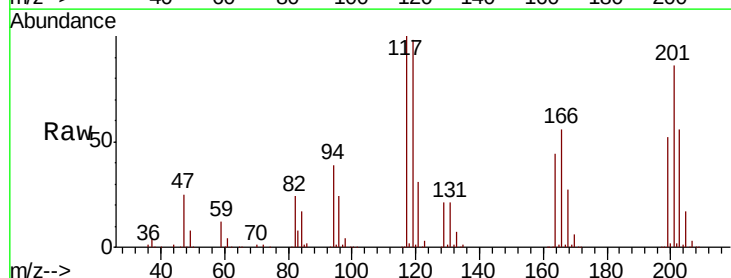
Acq: 20 Aug 2018 13:12

Tgt Ion:117 Resp: 203760

Ion Ratio Lower Upper

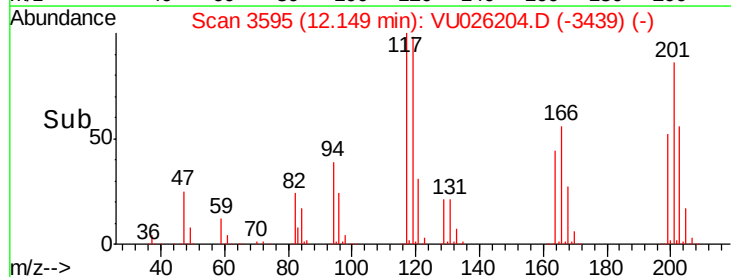
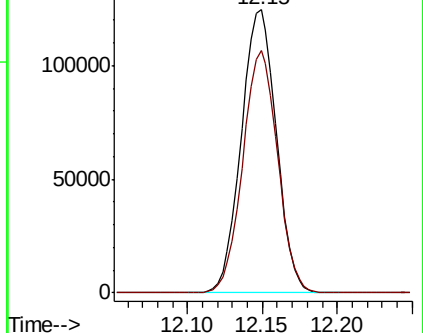
117 100

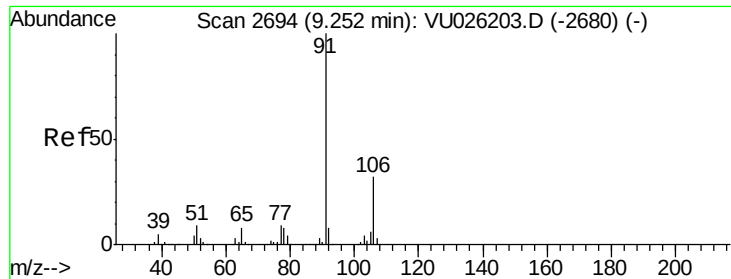
201 84.8 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

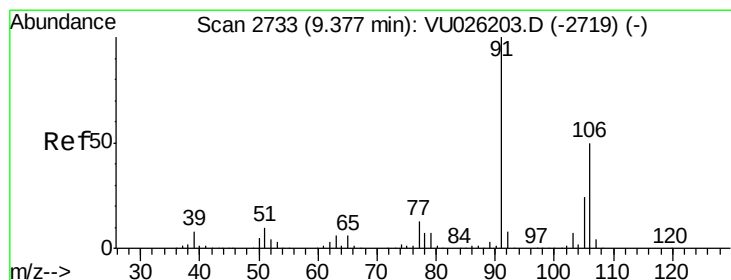
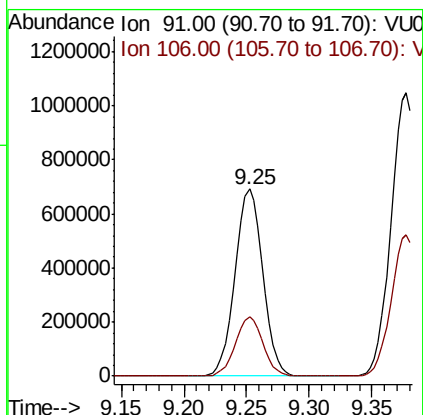
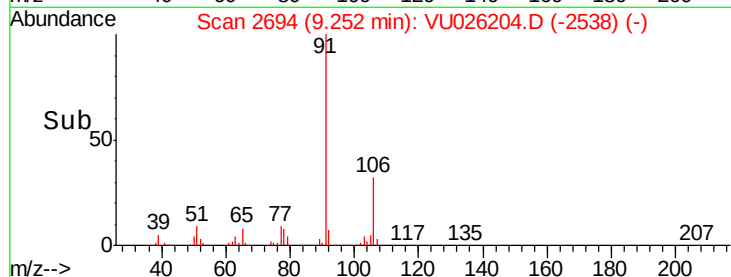
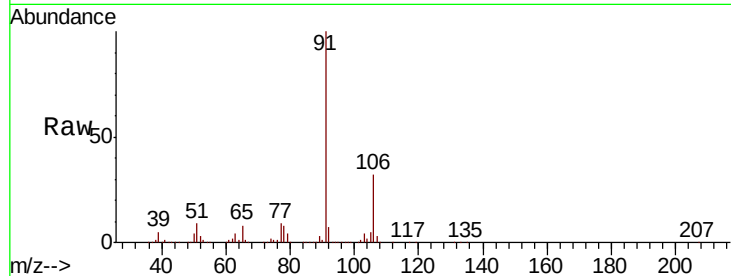




#63
 Ethyl Benzene
 Concen: 21.401 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

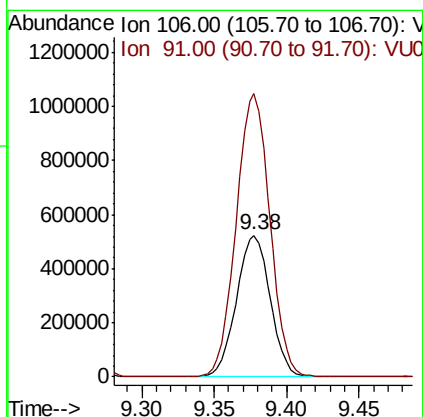
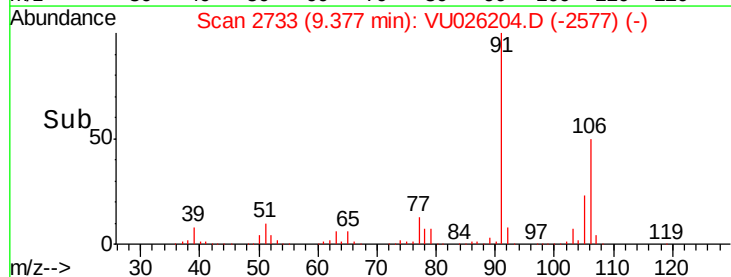
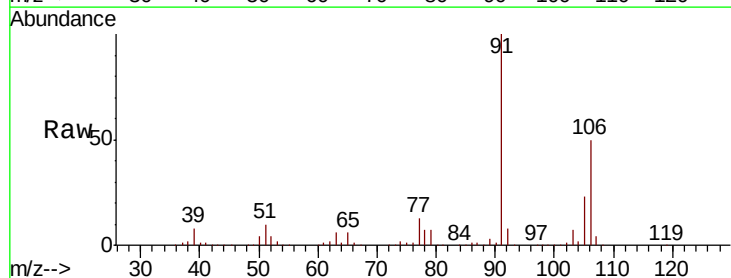
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

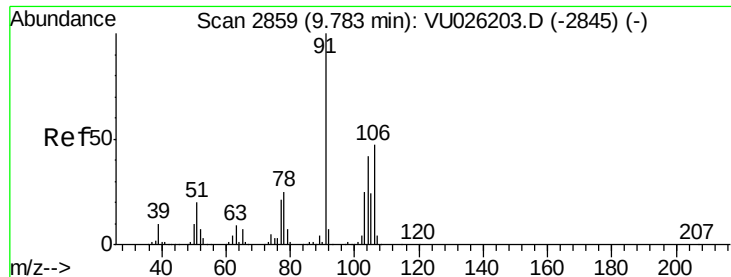
Tgt Ion: 91 Resp: 1065145
 Ion Ratio Lower Upper
 91 100
 106 31.7 24.7 37.1



#64
 m/p-Xylenes
 Concen: 43.214 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 106 Resp: 845295
 Ion Ratio Lower Upper
 106 100
 91 200.1 164.1 246.1

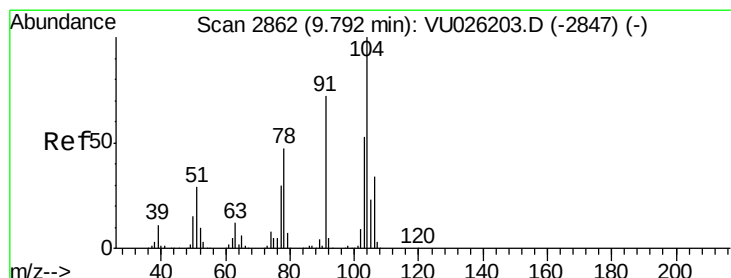
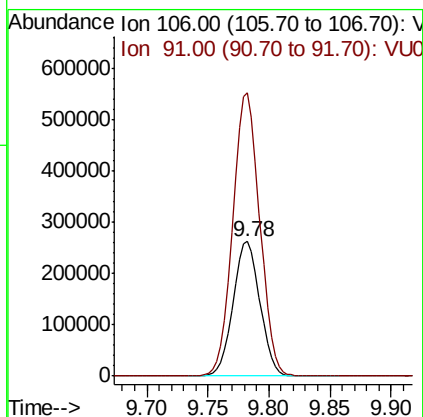
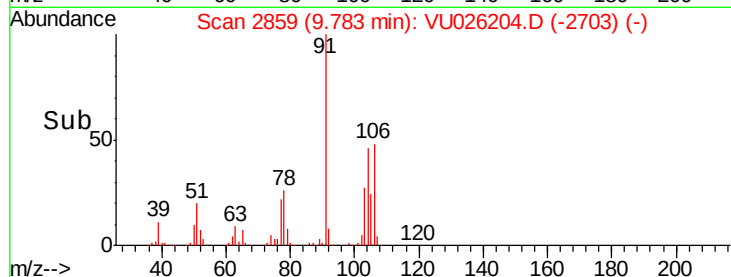
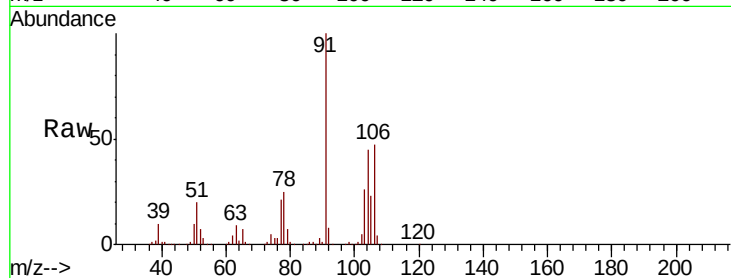




#65
o-Xylene
Concen: 21.502 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

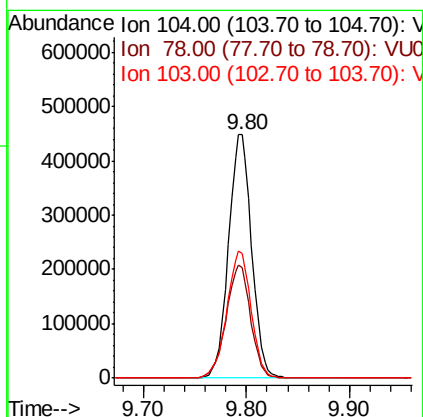
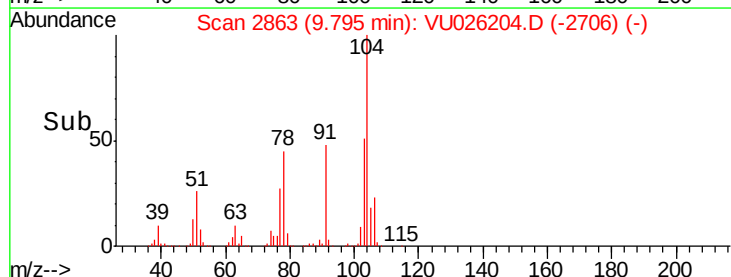
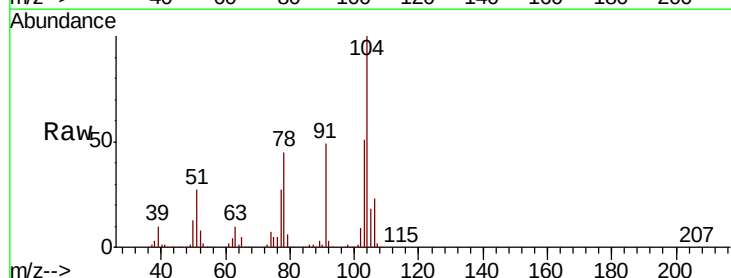
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

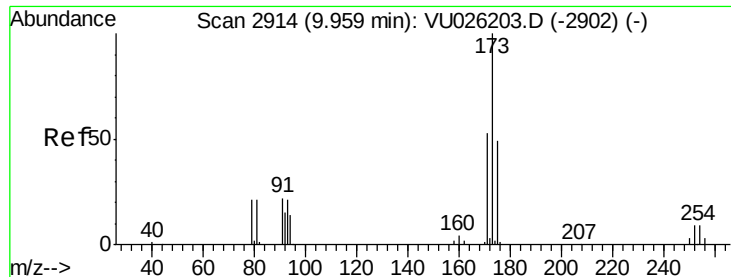
Tgt Ion:106 Resp: 400831
Ion Ratio Lower Upper
106 100
91 212.0 107.9 323.7



#66
Styrene
Concen: 22.148 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:104 Resp: 701197
Ion Ratio Lower Upper
104 100
78 49.1 40.2 60.2
103 54.5 44.2 66.4





#67

Bromoform

Concen: 22.790 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

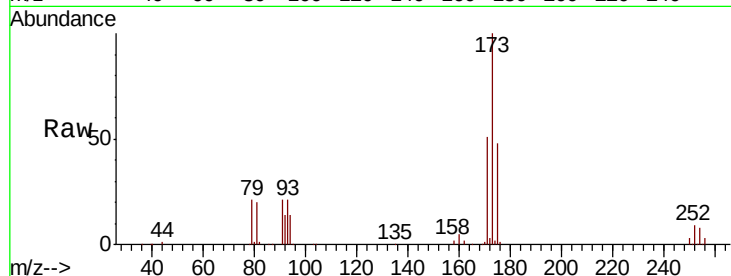
Tgt Ion:173 Resp: 132168

Ion Ratio Lower Upper

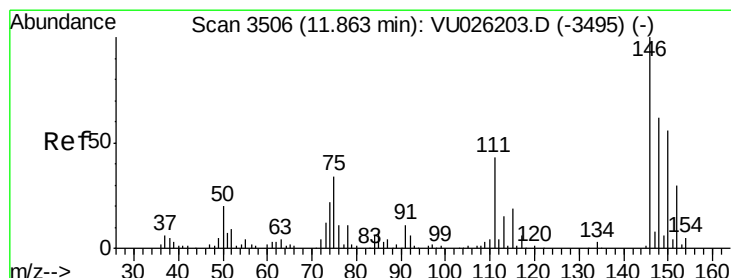
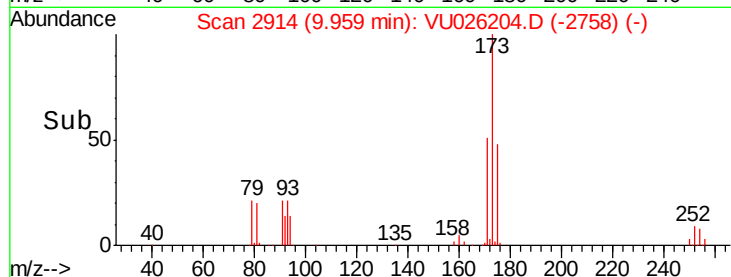
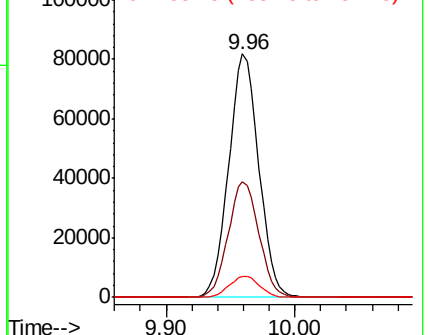
173 100

175 48.4 38.6 57.8

254 8.5 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: 22.790 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

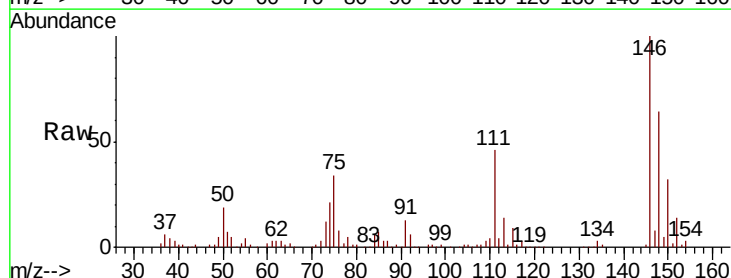
Tgt Ion:152 Resp: 15665

Ion Ratio Lower Upper

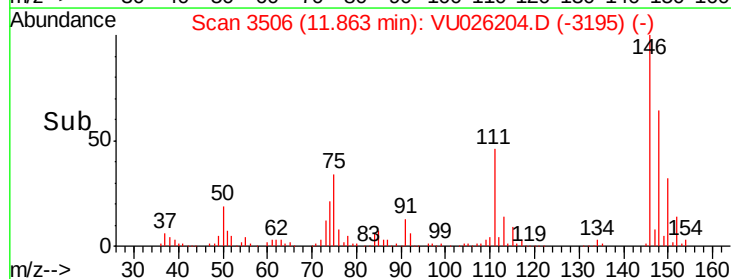
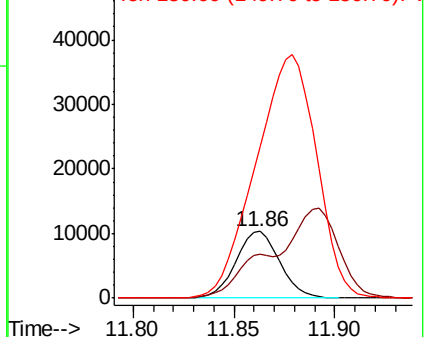
152 100

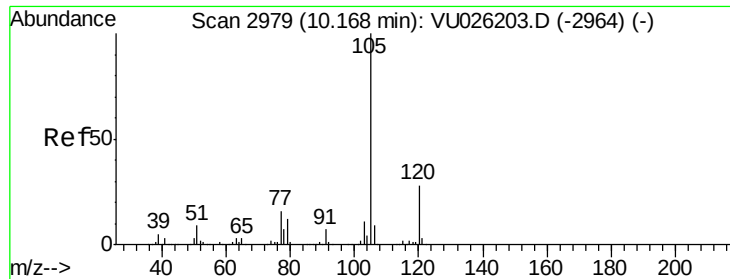
115 55.1 0.0 118.8

150 0.0 0.0 0.0



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





#69

Isopropylbenzene

Concen: 21.391 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

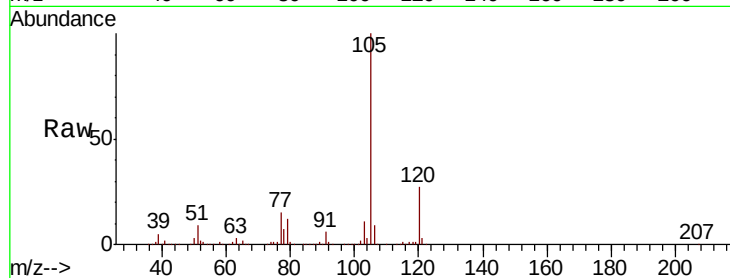
VSTDIC020

Tgt Ion:105 Resp: 1077481

Ion Ratio Lower Upper

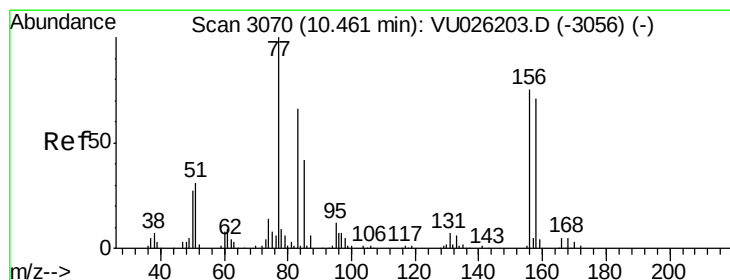
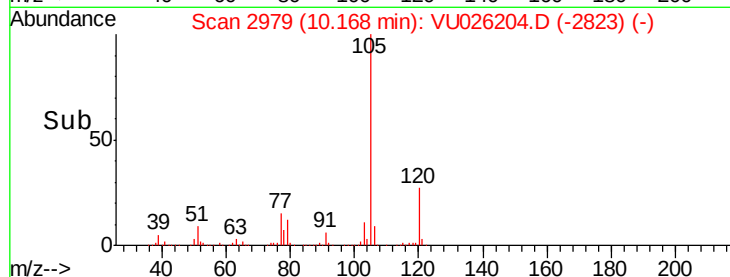
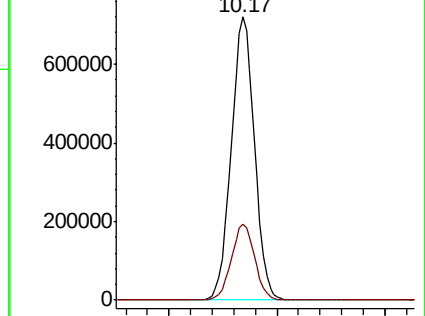
105 100

120 27.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 20.965 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

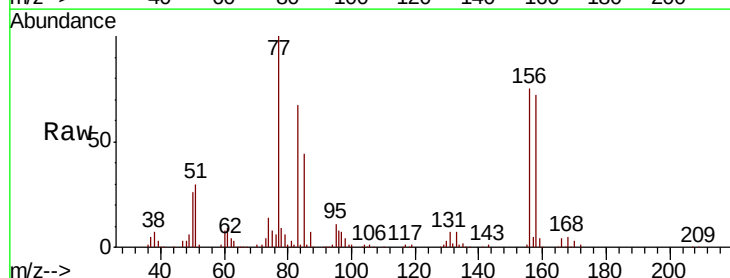
Tgt Ion: 83 Resp: 203650

Ion Ratio Lower Upper

83 100

131 10.8 7.9 11.9

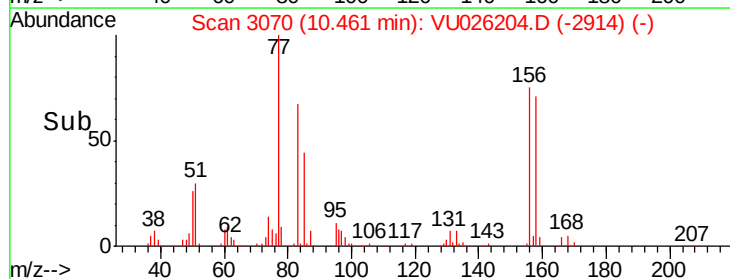
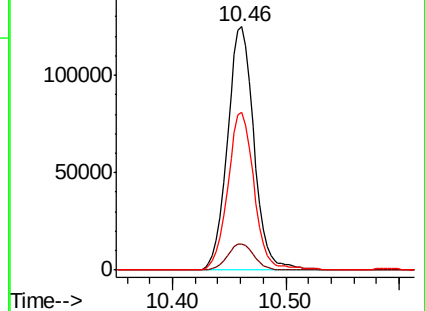
85 64.7 51.8 77.6

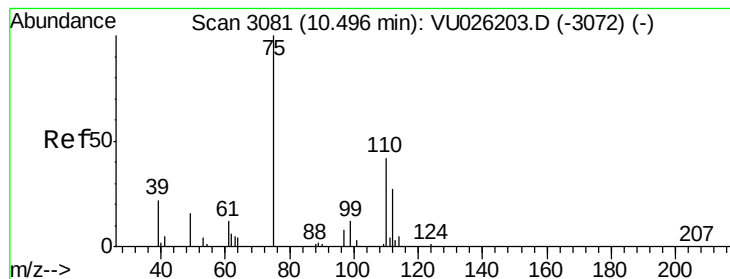


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 16.671 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 126217

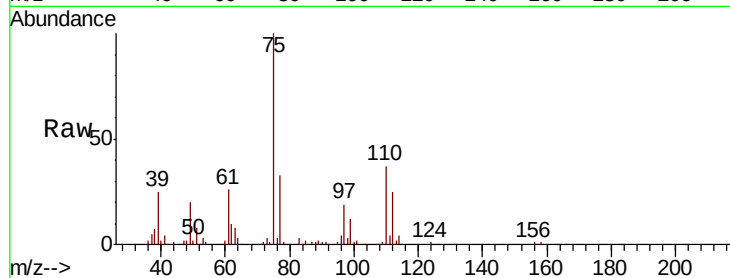
Ion Ratio Lower Upper

75 100

77 11.4 0.0 0.0#

110 43.7 0.0 74.0

97 22.0 0.0 39.6

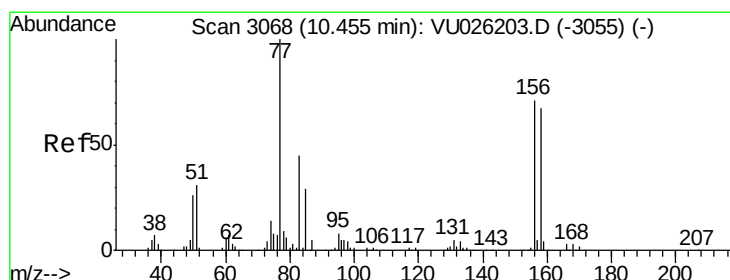
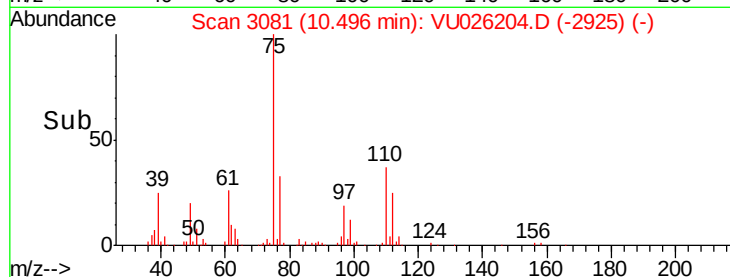
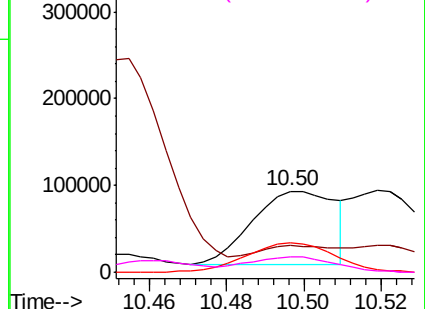


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 20.900 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

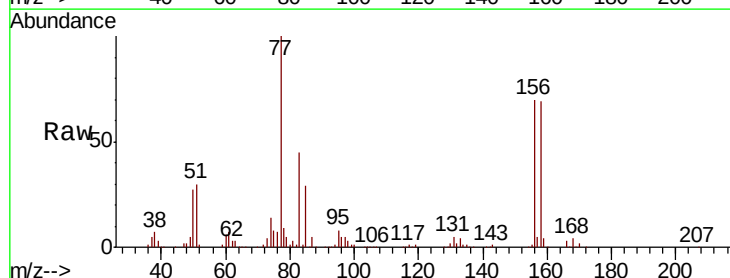
Tgt Ion: 156 Resp: 273317

Ion Ratio Lower Upper

156 100

77 143.2 0.0 309.8

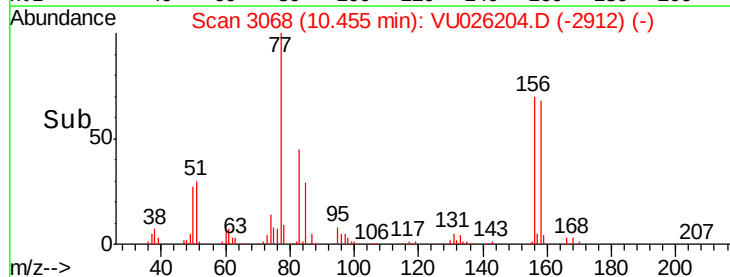
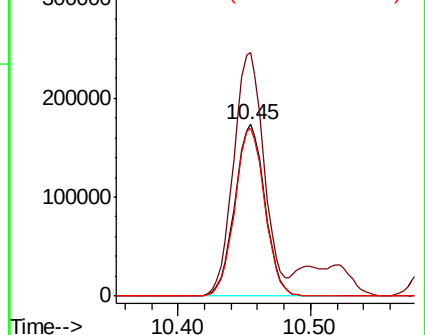
158 96.9 0.0 193.0

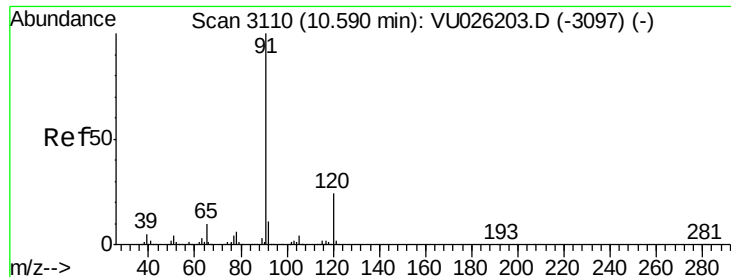


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 22.359 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

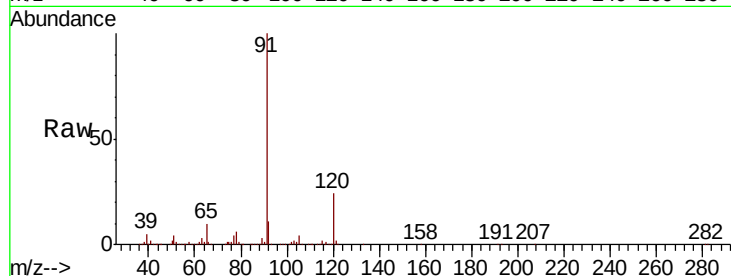
VSTDIC020

Tgt Ion:120 Resp: 317337

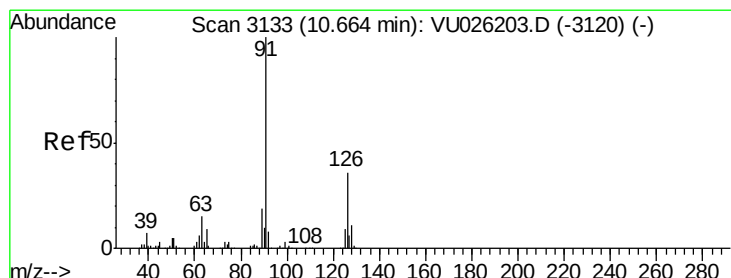
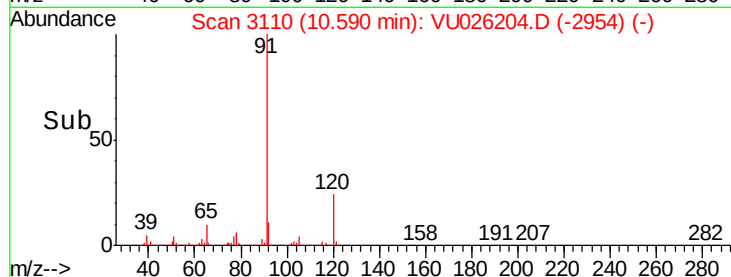
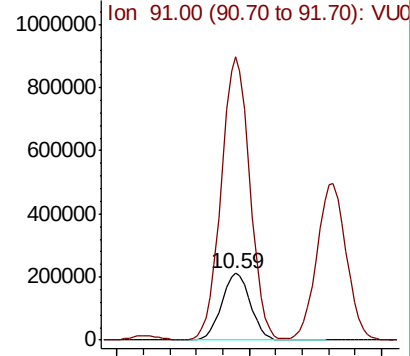
Ion Ratio Lower Upper

120 100

91 423.1 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 21.294 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026204.D

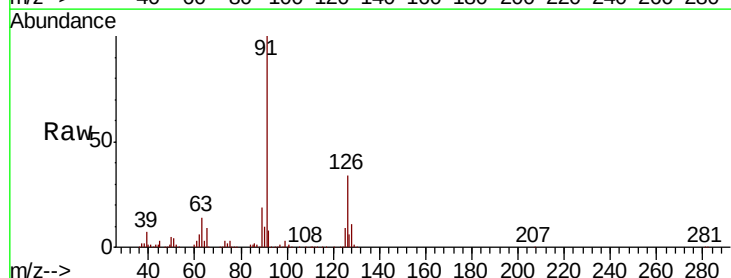
Acq: 20 Aug 2018 13:12

Tgt Ion:126 Resp: 266060

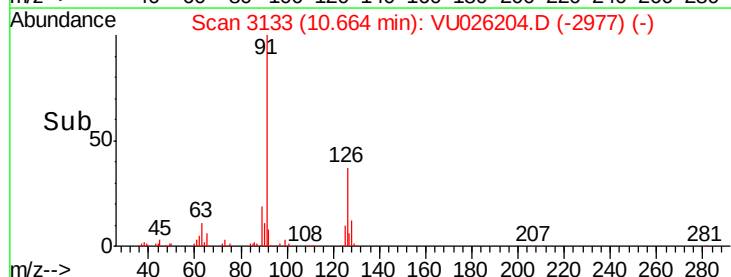
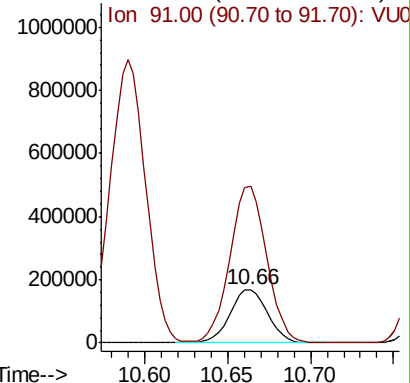
Ion Ratio Lower Upper

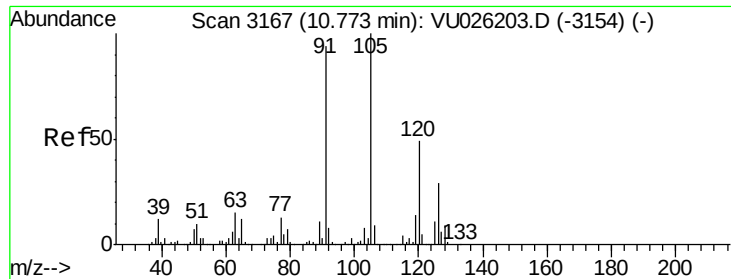
126 100

91 286.7 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 21.715 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

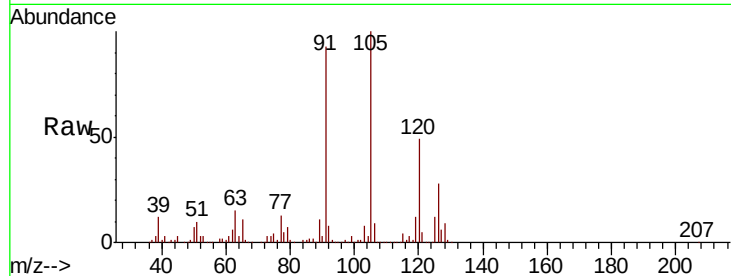
VSTDIC020

Tgt Ion:105 Resp: 955066

Ion Ratio Lower Upper

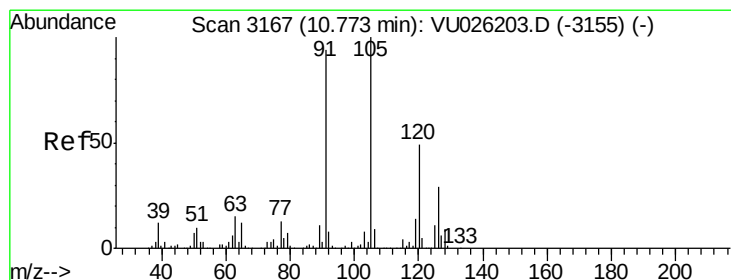
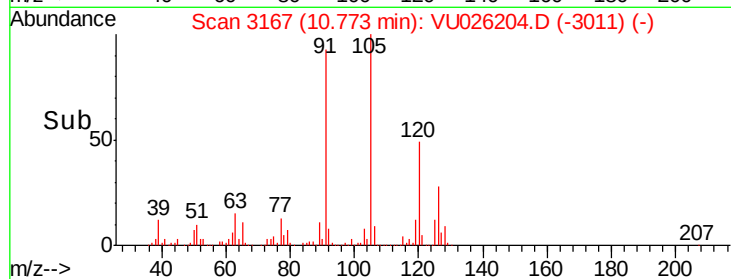
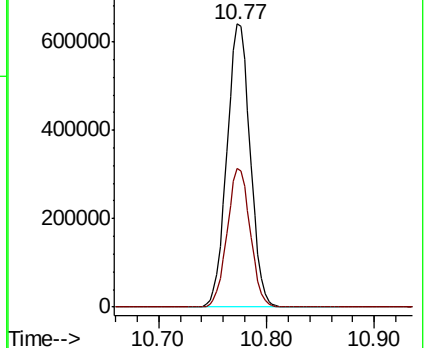
105 100

120 48.8 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 21.206 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026204.D

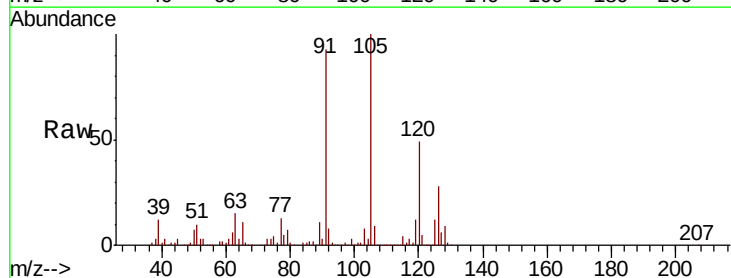
Acq: 20 Aug 2018 13:12

Tgt Ion:126 Resp: 278518

Ion Ratio Lower Upper

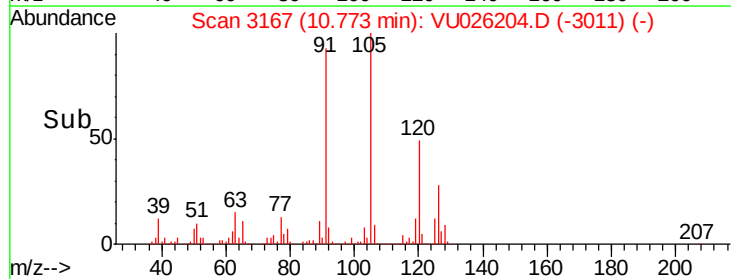
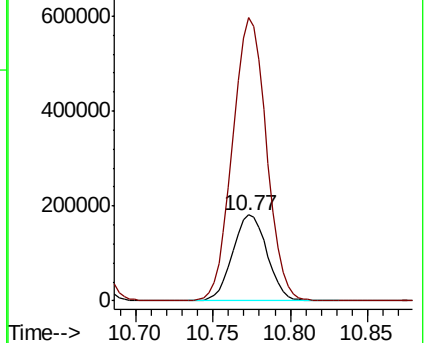
126 100

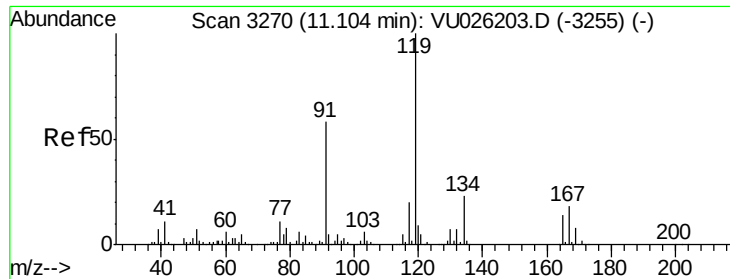
91 325.1 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

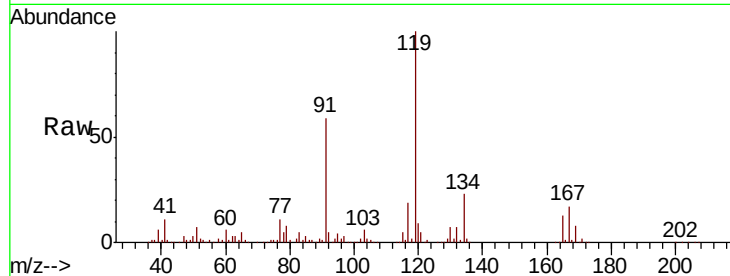




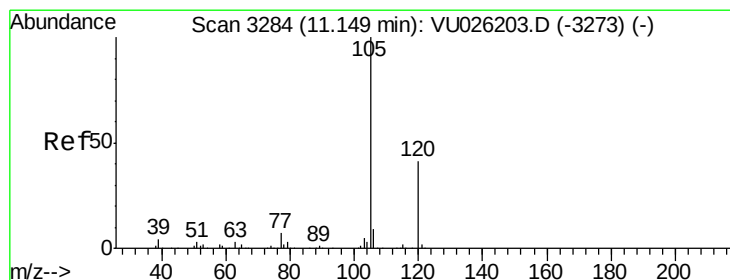
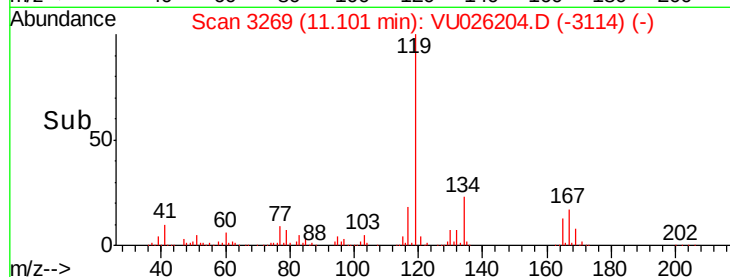
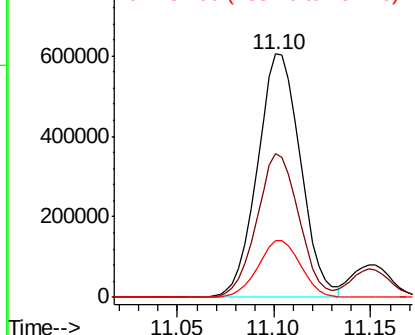
#77
 tert-Butylbenzene
 Concen: 21.622 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 937469
 Ion Ratio Lower Upper
 119 100
 91 57.8 29.6 88.8
 134 23.0 19.1 28.7

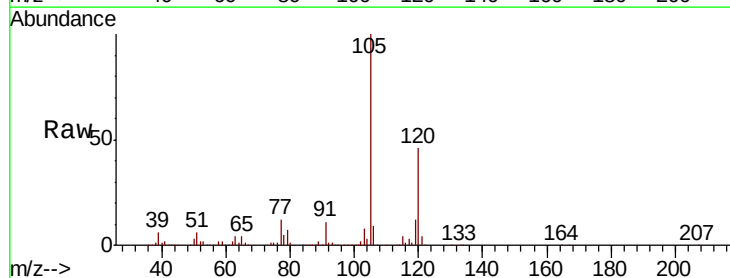


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

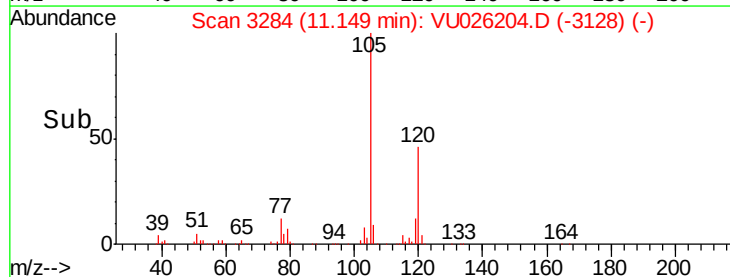
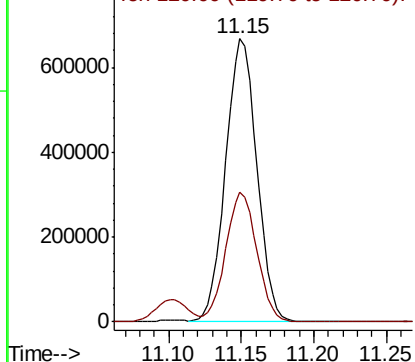


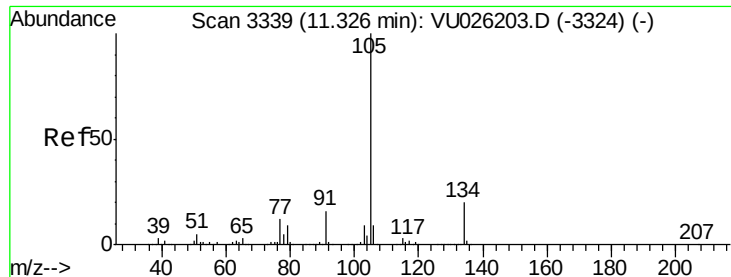
#78
 1,2,4-Trimethylbenzene
 Concen: 22.160 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:105 Resp: 994852
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

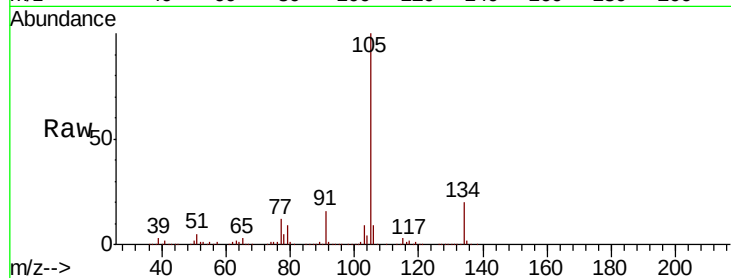
VSTDIC020

Tgt Ion:105 Resp: 1245451

Ion Ratio Lower Upper

105 100

134 20.3 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

800000

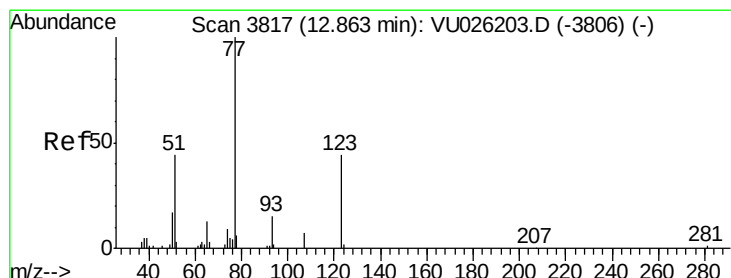
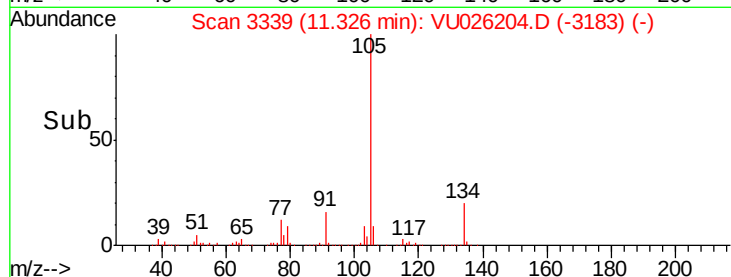
600000

400000

200000

0

Time-->



#80

Nitrobenzene

Concen: 169.498 ug/l

RT: 12.86 min Scan# 3816

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

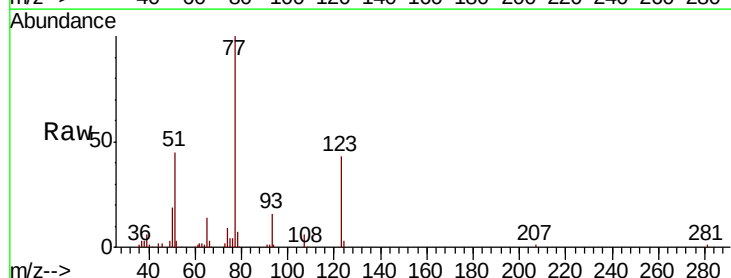
Tgt Ion: 77 Resp: 50119

Ion Ratio Lower Upper

77 100

123 44.8 19.4 68.6

65 14.8 11.2 14.2#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

40000

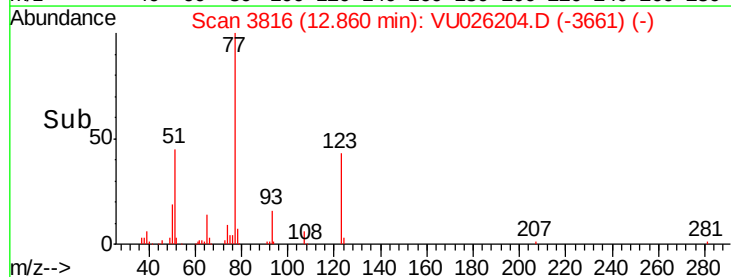
30000

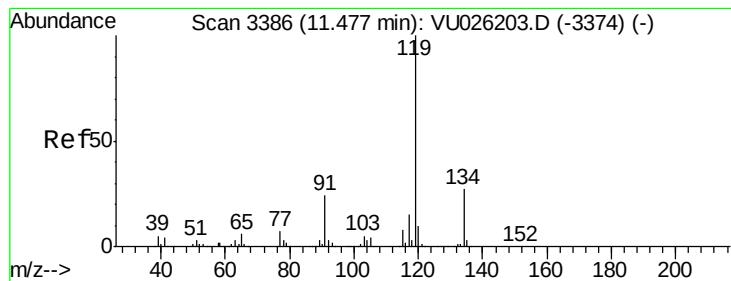
20000

10000

0

Time-->





#81

p-Isopropyltoluene

Concen: 22.347 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

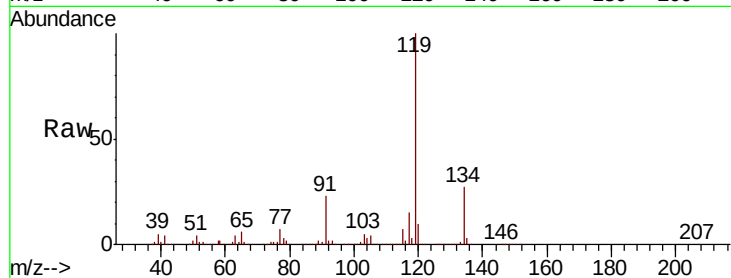
Tgt Ion:119 Resp: 1079873

Ion Ratio Lower Upper

119 100

134 26.6 20.9 31.3

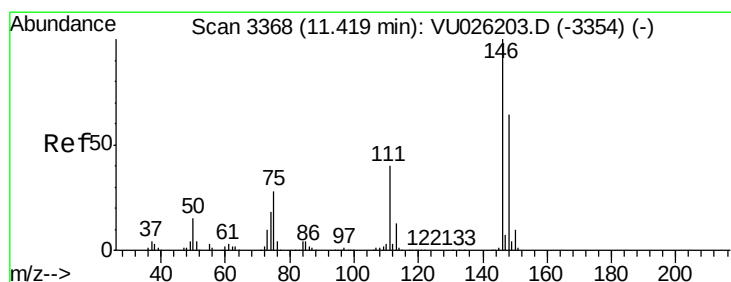
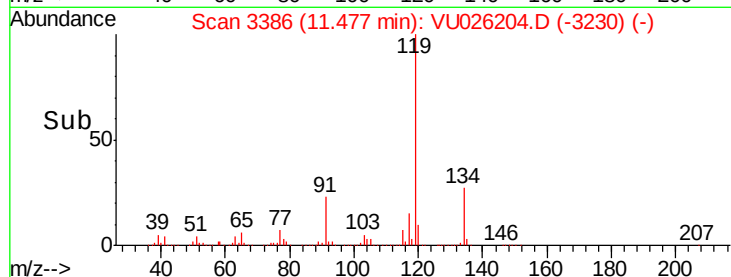
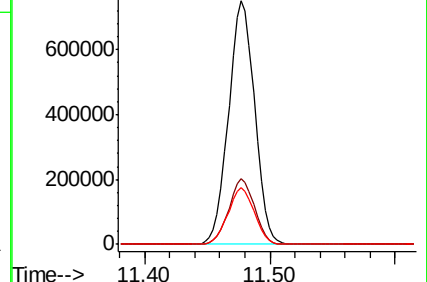
91 23.5 18.2 27.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 20.944 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

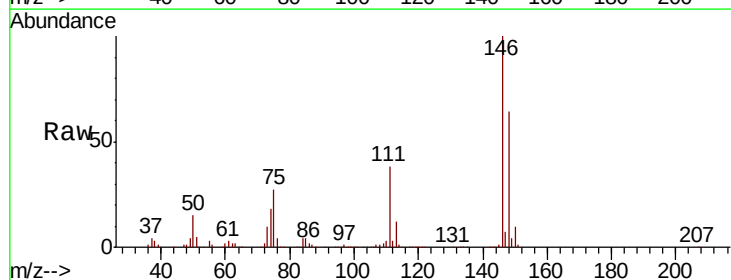
Tgt Ion:146 Resp: 563369

Ion Ratio Lower Upper

146 100

111 38.7 31.8 47.6

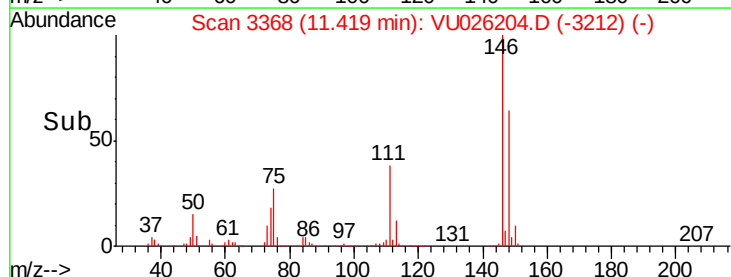
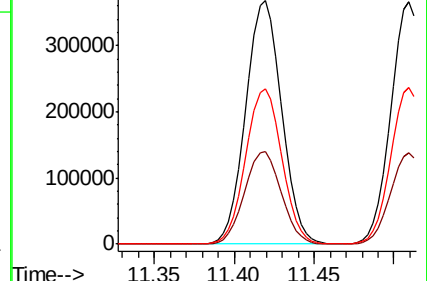
148 64.4 51.0 76.4

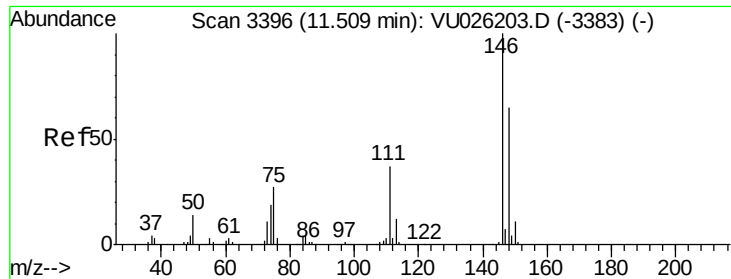


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

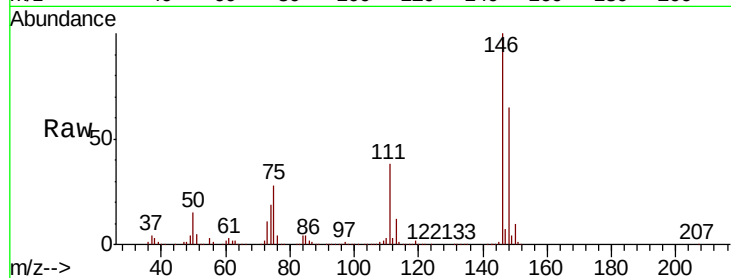




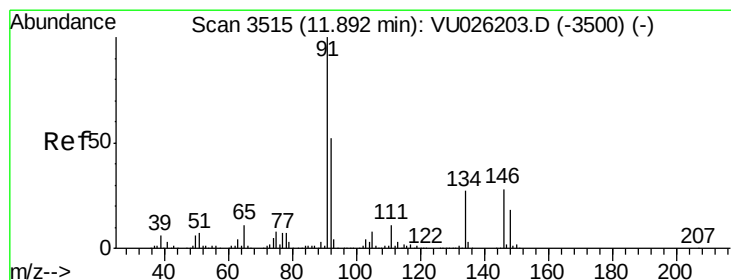
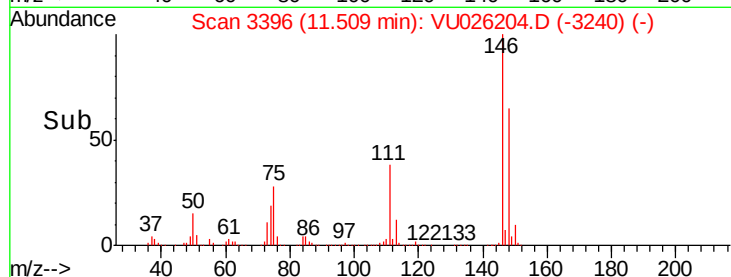
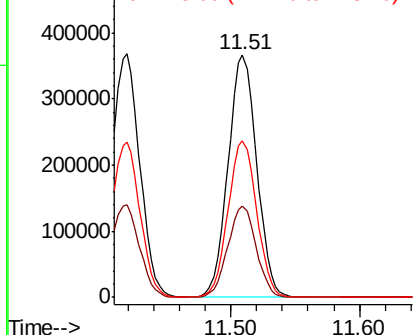
#83
 1,4-Dichlorobenzene
 Concen: 21.500 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 563975
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.1 45.1
 148 64.7 50.6 76.0

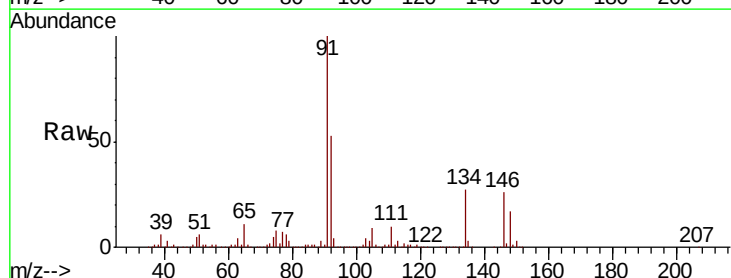


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

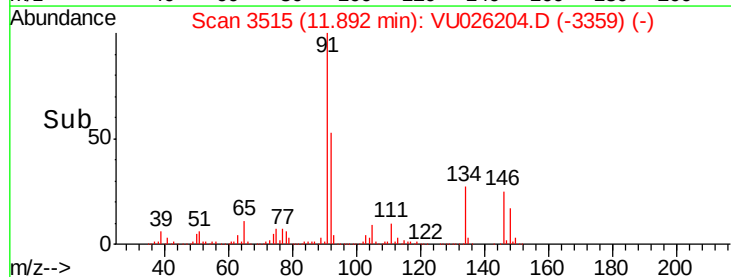
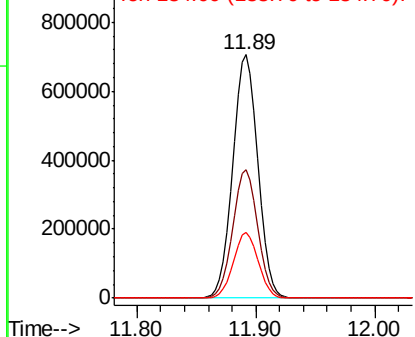


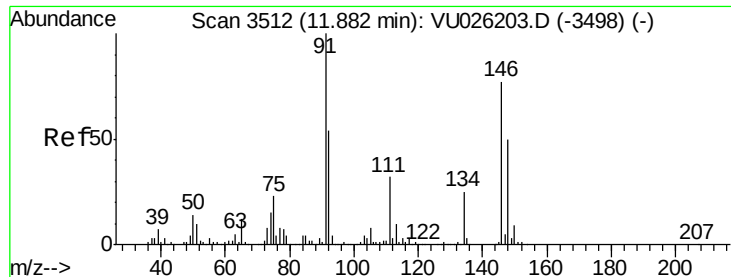
#84
 n-Butylbenzene
 Concen: 22.726 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 91 Resp: 1030442
 Ion Ratio Lower Upper
 91 100
 92 52.6 42.2 63.2
 134 26.8 20.3 30.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

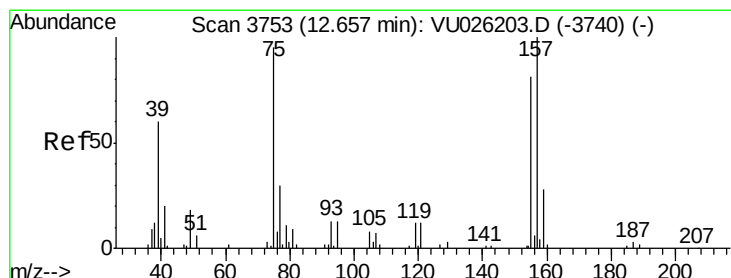
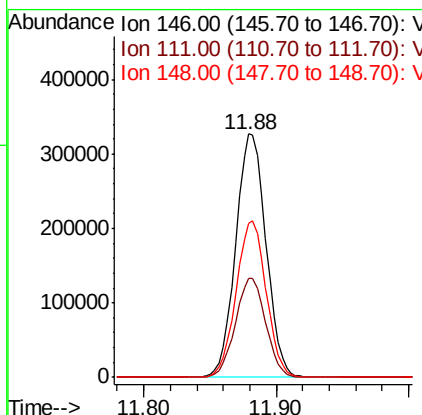
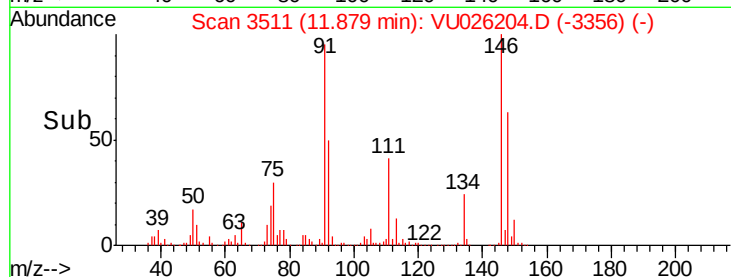
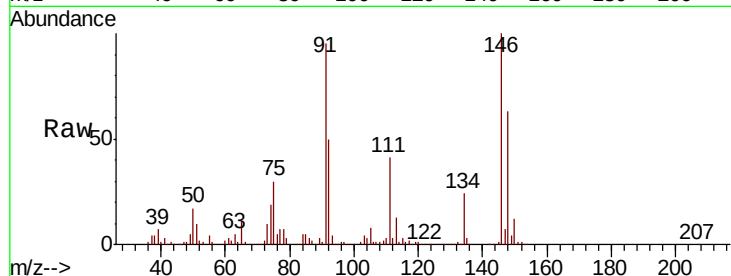




#85
 1,2-Dichlorobenzene
 Concen: 21.115 ug/l
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

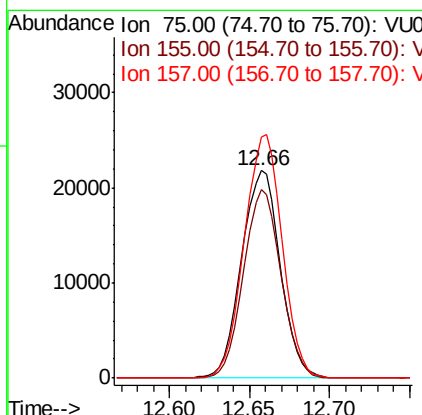
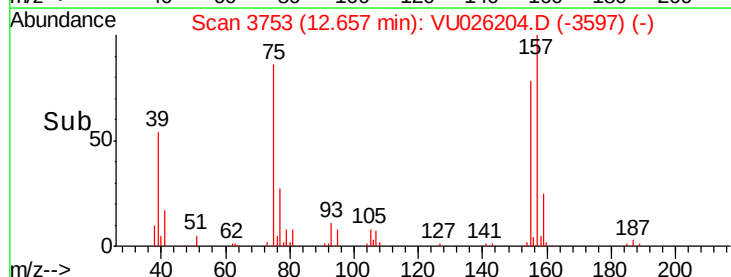
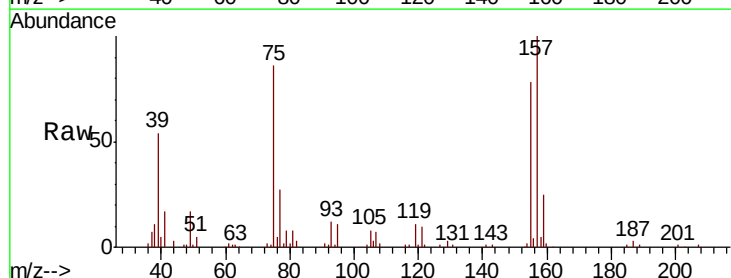
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

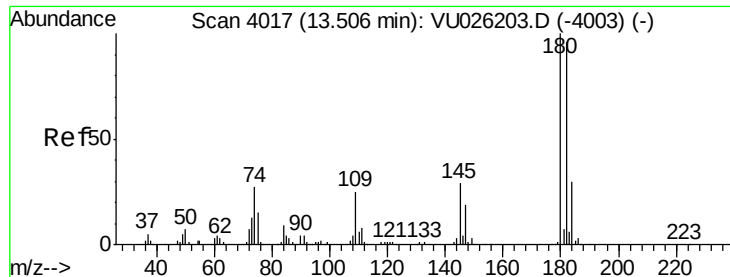
Tgt Ion:146 Resp: 518639
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.7 62.1
 148 63.8 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 22.473 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion: 75 Resp: 36020
 Ion Ratio Lower Upper
 75 100
 155 87.7 65.8 98.6
 157 114.9 83.5 125.3





#87

1,2,4-Trichlorobenzene

Concen: 22.947 ug/l

RT: 13.50 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

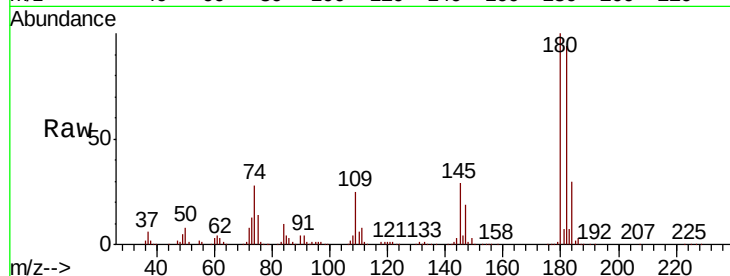
Tgt Ion:180 Resp: 392460

Ion Ratio Lower Upper

180 100

182 95.2 77.1 115.7

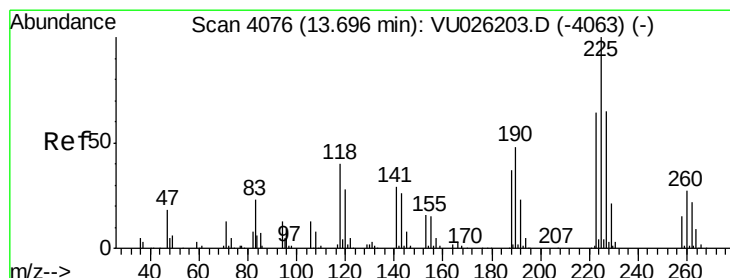
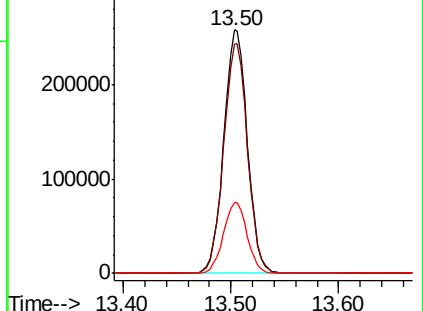
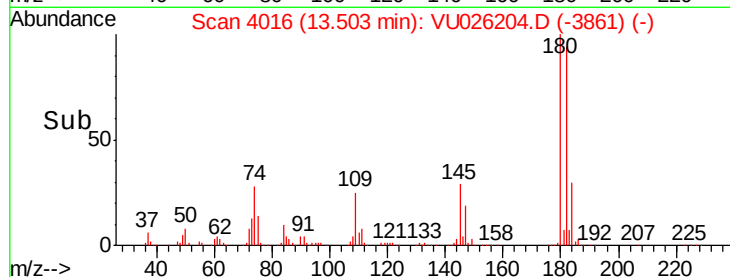
145 29.3 23.3 34.9



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 21.122 ug/l

RT: 13.69 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

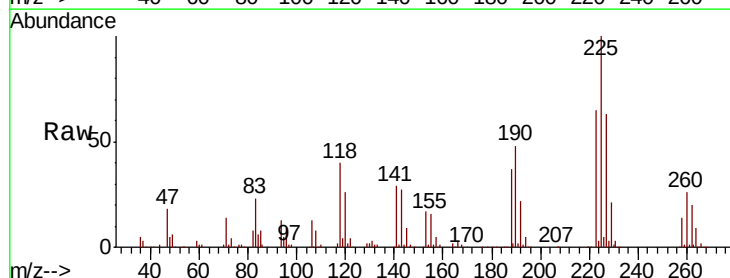
Tgt Ion:225 Resp: 221960

Ion Ratio Lower Upper

225 100

223 64.0 50.6 75.8

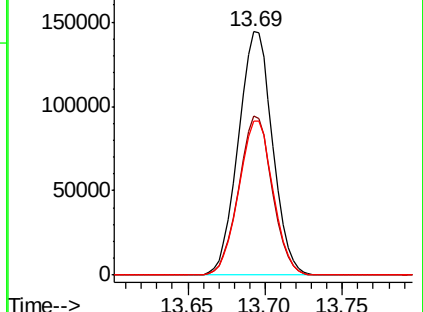
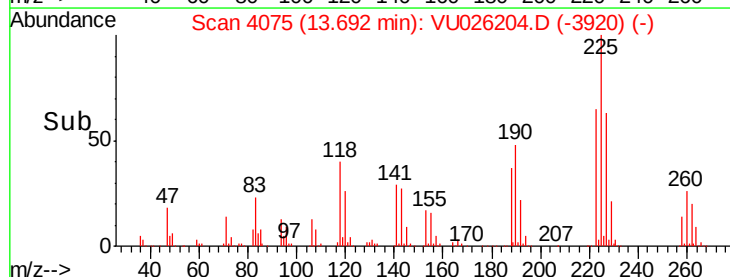
227 63.6 51.8 77.6

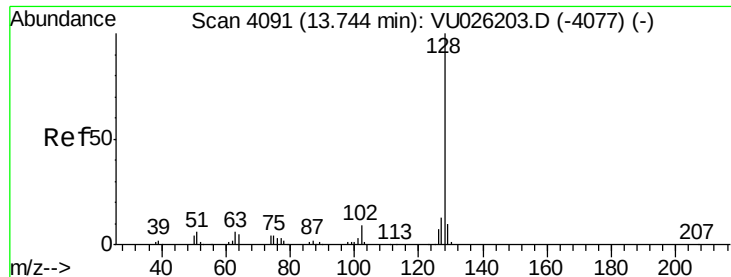


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

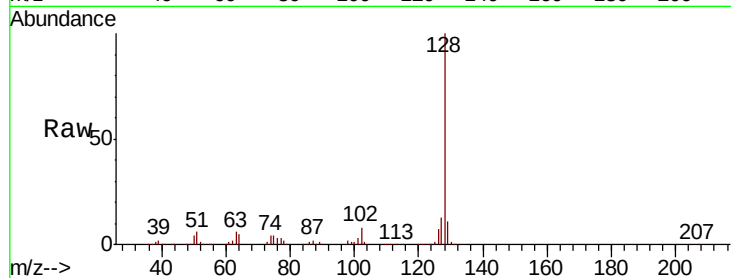




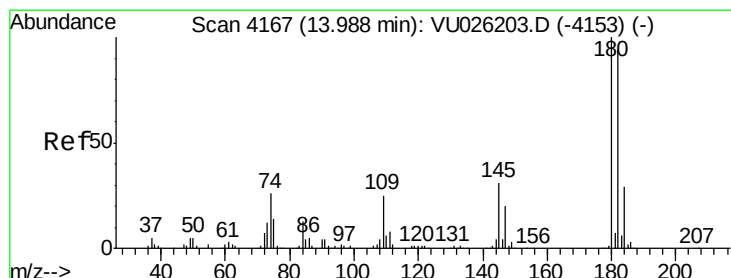
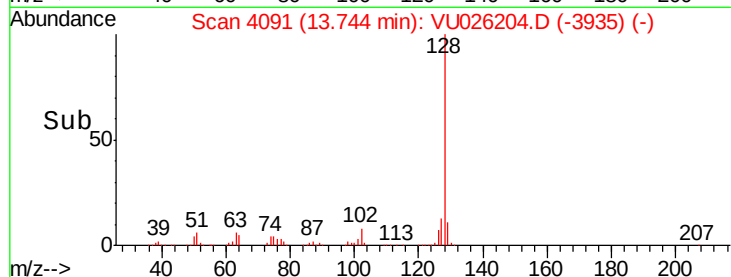
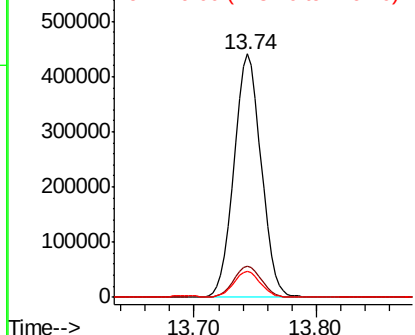
#89
Naphthalene
Concen: 24.600 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 682922
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.6 8.7 13.1

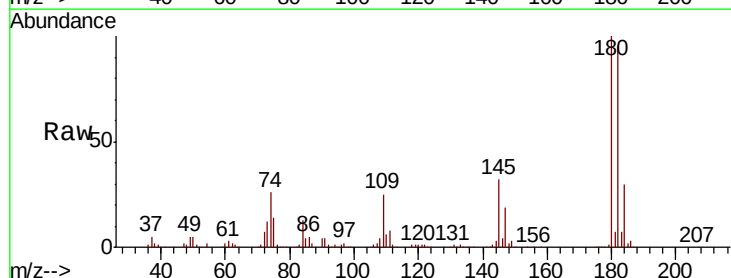


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 23.259 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:180 Resp: 363481
Ion Ratio Lower Upper
180 100
182 95.3 76.8 115.2
145 31.7 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

