

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026676.D
 Acq On : 11 Sep 2018 10:34
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 12 04:47:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	145864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1731	1.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.42%	
35) Dibromofluoromethane	4.89	113	1374	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
50) Toluene-d8	7.57	98	4072	0.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.86%	
62) 4-Bromofluorobenzene	10.31	95	1380	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	929	0.91	ug/l	91
3) Chloromethane	1.33	50	1515	1.06	ug/l	99
4) Vinyl Chloride	1.40	62	1419	0.96	ug/l	97
5) Bromomethane	1.63	94	1052	1.14	ug/l	81
6) Chloroethane	1.70	64	972	1.03	ug/l	98
7) Trichlorofluoromethane	1.89	101	1769	0.92	ug/l #	77
8) Diethyl Ether	2.10	74	804	0.95	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1113	0.97	ug/l #	92
10) Methyl Iodide	2.41	142	182	0.21	ug/l #	41
11) Tert butyl alcohol	2.83	59	2622	7.51	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	1051	0.97	ug/l	88
13) Acrolein	2.20	56	1418	6.03	ug/l	94
14) Allyl chloride	2.59	41	1661	0.85	ug/l #	89
15) Acrylonitrile	2.94	53	3214	4.29	ug/l	95
16) Acetone	2.32	43	4772	5.88	ug/l	97
17) Carbon Disulfide	2.48	76	3759	1.09	ug/l	100
18) Methyl Acetate	2.62	43	1593	0.91	ug/l	91
19) Methyl tert-butyl Ether	3.00	73	3632	0.97	ug/l	91
20) Methylene Chloride	2.70	84	1316	1.00	ug/l #	82
21) trans-1,2-Dichloroethene	2.99	96	1028	0.90	ug/l	95
22) Diisopropyl ether	3.57	45	3392	0.83	ug/l #	80
23) Vinyl Acetate	3.53	43	13760	3.98	ug/l	95
24) 1,1-Dichloroethane	3.45	63	2003	0.87	ug/l #	84
25) 2-Butanone	4.27	43	5079	4.65	ug/l	95
26) 2,2-Dichloropropane	4.21	77	716	0.38	ug/l #	75
27) cis-1,2-Dichloroethene	4.23	96	1156	0.88	ug/l	93
28) Bromochloromethane	4.55	49	1025	0.93	ug/l #	94
29) Tetrahydrofuran	4.64	42	2955	4.49	ug/l	92
30) Chloroform	4.68	83	2147	0.95	ug/l	84
31) Cyclohexane	4.99	56	3632	1.53	ug/l #	38
32) 1,1,1-Trichloroethane	4.91	97	1618	0.86	ug/l #	36
36) 1,1-Dichloropropene	5.14	75	1420	0.87	ug/l #	91
37) Ethyl Acetate	4.39	43	1770	0.90	ug/l #	73
38) Carbon Tetrachloride	5.13	117	1607	0.93	ug/l #	83

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1576	0.81	ug/l	91
40) Benzene	5.39	78	4518	0.89	ug/l	97
41) Methacrylonitrile	4.56	41	674	0.66	ug/l #	72
42) 1,2-Dichloroethane	5.41	62	1651	0.91	ug/l #	75
43) Isopropyl Acetate	5.56	43	2354	0.79	ug/l #	89
44) Trichloroethene	6.19	130	1100	0.87	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1149	0.83	ug/l #	76
46) Dibromomethane	6.56	93	698	0.78	ug/l	94
47) Bromodichloromethane	6.76	83	1488	0.85	ug/l #	91
48) Methyl methacrylate	6.63	41	1017	0.69	ug/l #	88
49) 1,4-Dioxane	6.62	88	483	14.08	ug/l #	47
51) 4-Methyl-2-Pentanone	7.46	43	7677	3.83	ug/l	91
52) Toluene	7.64	92	2332	0.77	ug/l	90
53) t-1,3-Dichloropropene	7.89	75	1563	0.80	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	1698	0.81	ug/l	93
55) 1,1,2-Trichloroethane	8.07	97	1135	0.87	ug/l	96
56) Ethyl methacrylate	8.03	69	1214	0.64	ug/l #	90
57) 1,3-Dichloropropane	8.25	76	1759	0.80	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.13	63	3418	3.66	ug/l	98
59) 2-Hexanone	8.37	43	5959	3.78	ug/l	91
60) Dibromochloromethane	8.48	129	1074	0.76	ug/l	86
61) 1,2-Dibromoethane	8.59	107	1240	0.88	ug/l	95
64) Tetrachloroethene	8.23	164	1035	0.97	ug/l #	93
65) Chlorobenzene	9.12	112	3117	0.93	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	1123	0.91	ug/l #	64
67) Ethyl Benzene	9.25	91	4647	0.85	ug/l	94
68) m/p-Xylenes	9.38	106	3139	1.50	ug/l	97
69) o-Xylene	9.78	106	1422	0.70	ug/l	89
70) Styrene	9.79	104	2277	0.68	ug/l	95
71) Bromoform	9.96	173	809	0.76	ug/l #	98
73) Isopropylbenzene	10.17	105	3586	0.80	ug/l	96
74) N-amyl acetate	10.02	43	1559	0.74	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	1934	1.06	ug/l #	92
76) 1,2,3-Trichloropropane	10.50	75	1859	1.12	ug/l #	34
77) Bromobenzene	10.46	156	1184	0.98	ug/l	92
78) n-propylbenzene	10.59	91	3855	0.74	ug/l	97
79) 2-Chlorotoluene	10.66	91	2687	0.84	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	2879	0.77	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.50	75	1859	2.49	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2730	0.76	ug/l	97
83) tert-Butylbenzene	11.10	119	2934	0.77	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2760	0.73	ug/l	89
85) sec-Butylbenzene	11.32	105	3343	0.74	ug/l	93
86) p-Isopropyltoluene	11.48	119	2719	0.69	ug/l	91
87) 1,3-Dichlorobenzene	11.42	146	2342	1.04	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	2649	1.13	ug/l	91
89) n-Butylbenzene	11.89	91	2161	0.63	ug/l	95
90) Hexachloroethane	12.14	117	696	0.87	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	2314	1.02	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	261	0.72	ug/l	90

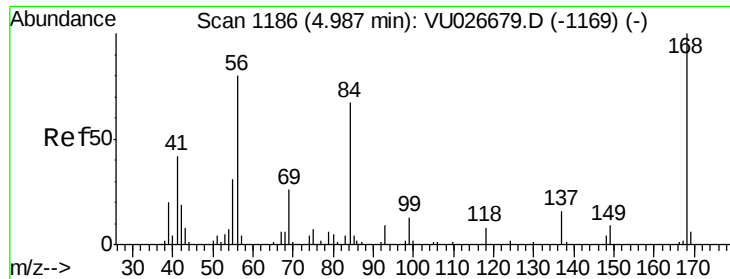
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 04:37:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1377	0.91	ug/l	88
94) Hexachlorobutadiene	13.69	225	712	0.92	ug/l	93
95) Naphthalene	13.75	128	3289	0.72	ug/l	95
96) 1,2,3-Trichlorobenzene	13.99	180	1361	0.86	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

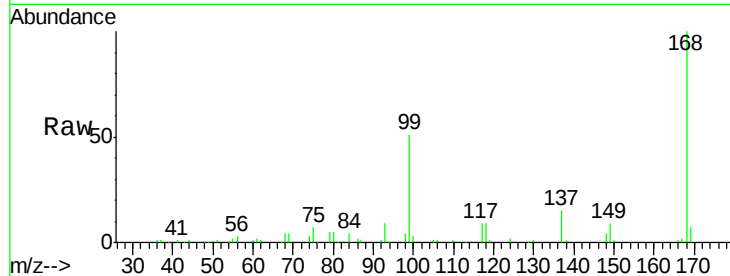
VSTDIC001

Tot Ion:168 Resp: 94429

Ion Ratio Lower Upper

168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.98

40000

30000

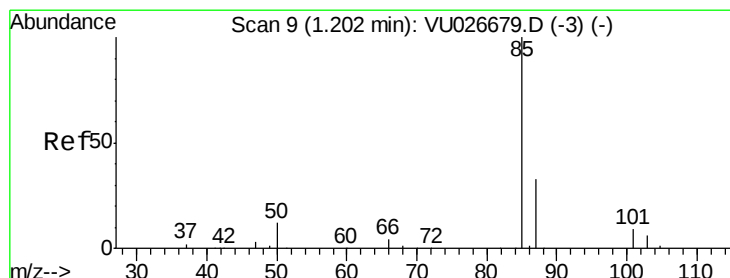
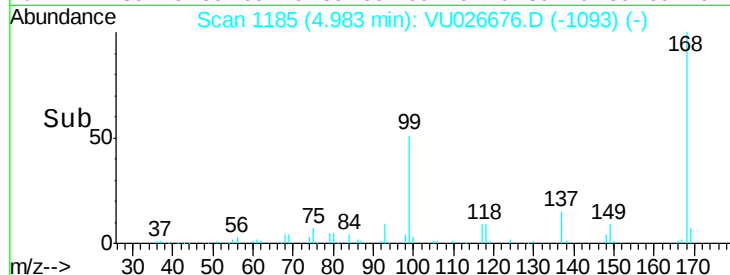
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.91 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026676.D

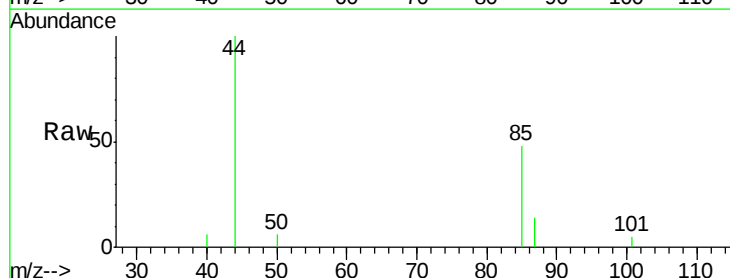
Acq: 11 Sep 2018 10:34

Tgt Ion: 85 Resp: 929

Ion Ratio Lower Upper

85 100

87 28.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)

1.21

1000

800

600

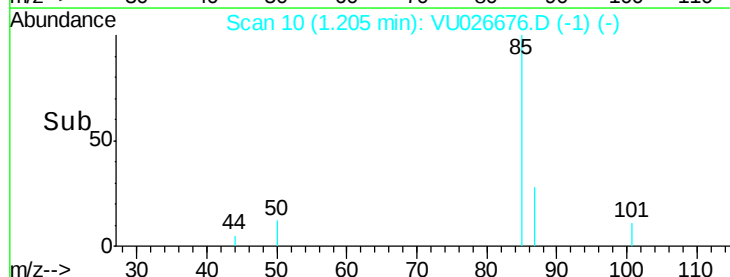
400

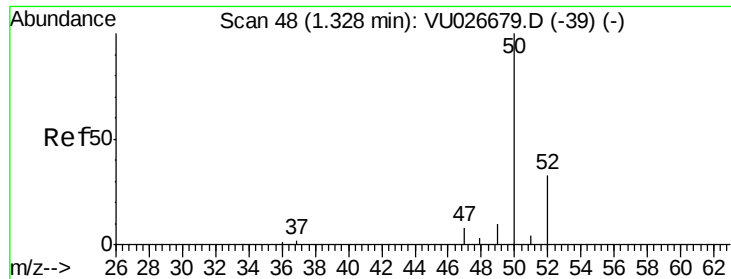
200

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.06 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

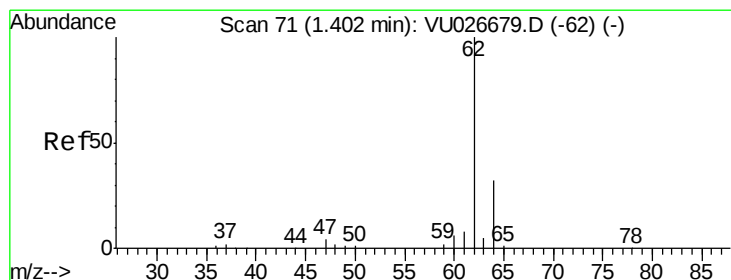
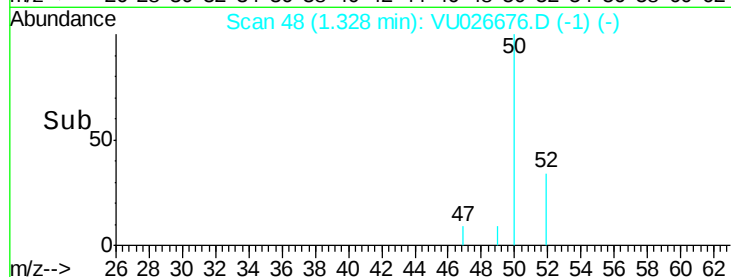
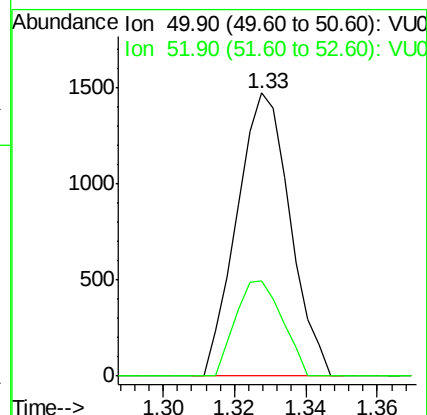
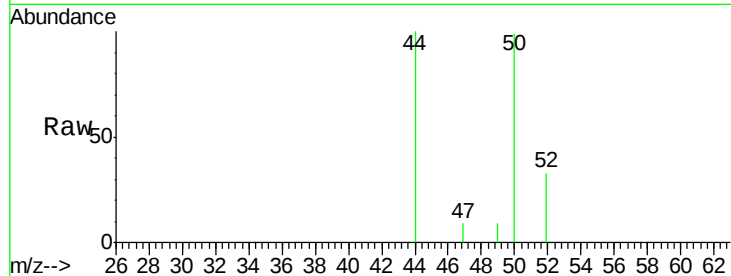
VSTDIC001

Tot Ion: 50 Resp: 1515

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



#4

Vinyl Chloride

Concen: 0.96 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026676.D

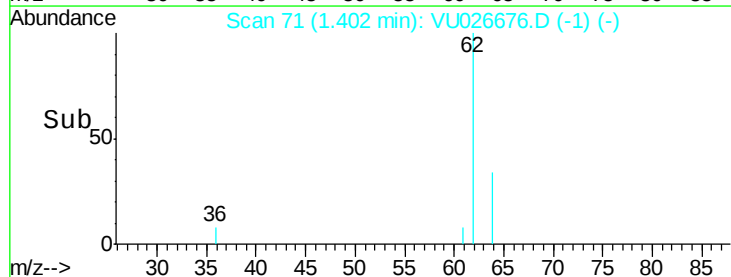
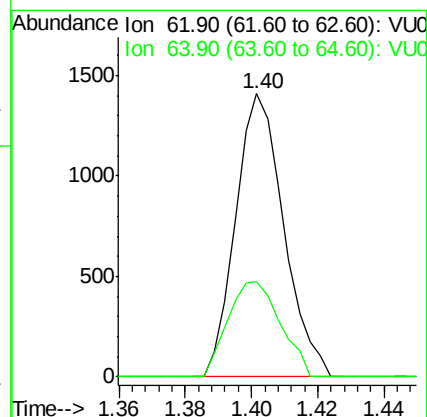
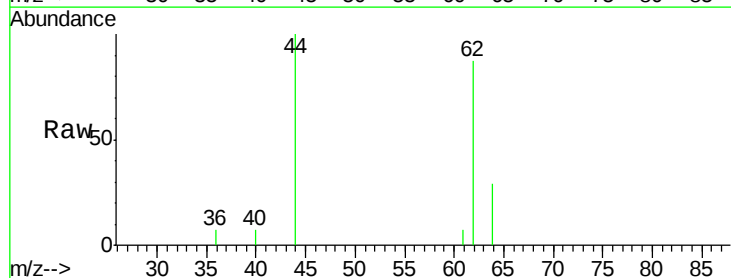
Acq: 11 Sep 2018 10:34

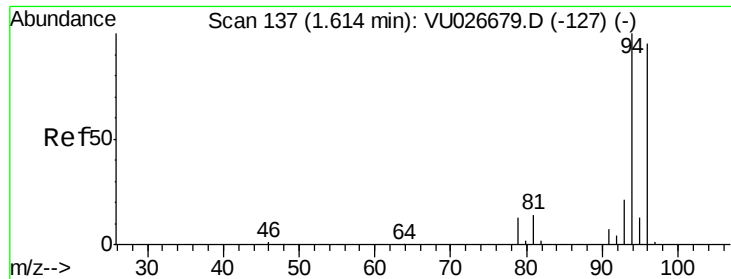
Tgt Ion: 62 Resp: 1419

Ion Ratio Lower Upper

62 100

64 33.9 25.6 38.4

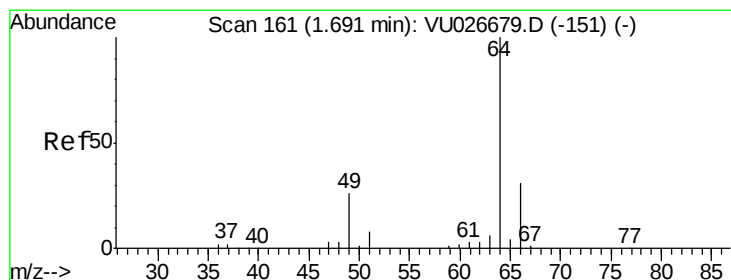
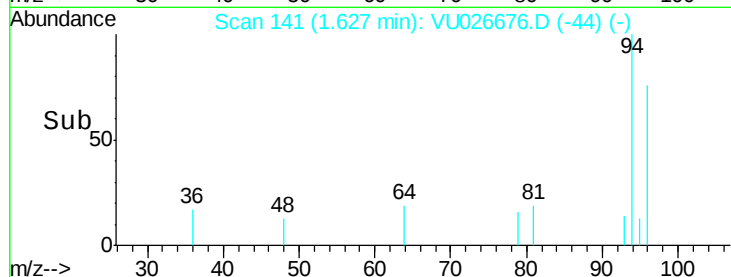
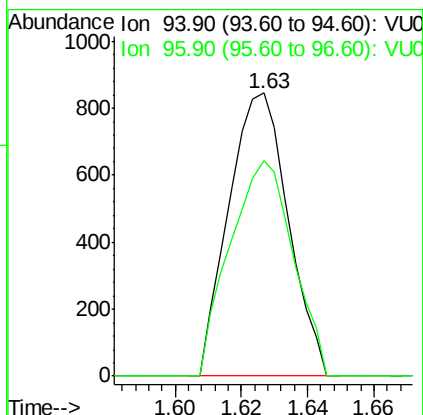
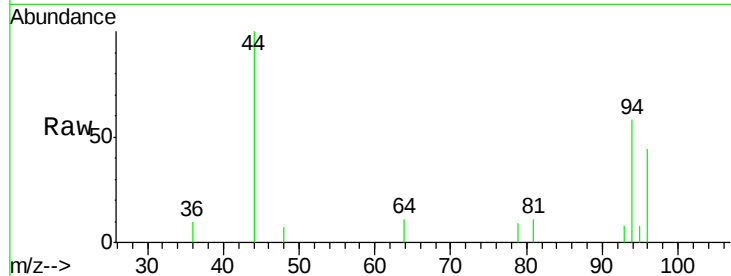




#5
Bromomethane
Concen: 1.14 ug/l
RT: 1.63 min Scan# 141
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

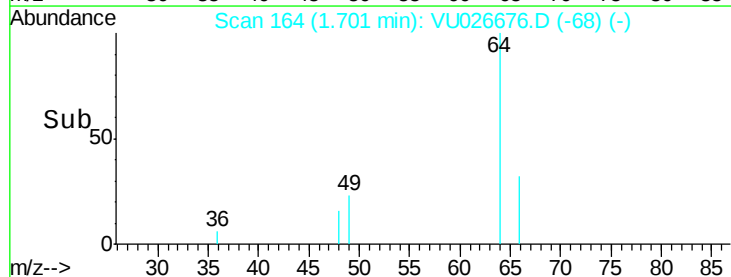
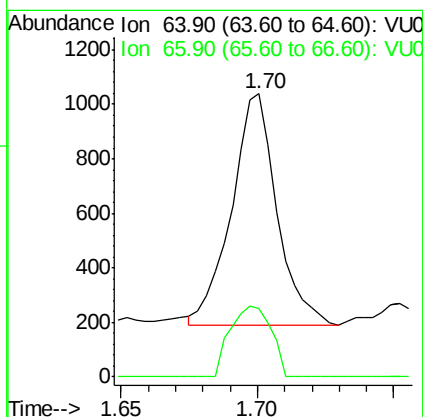
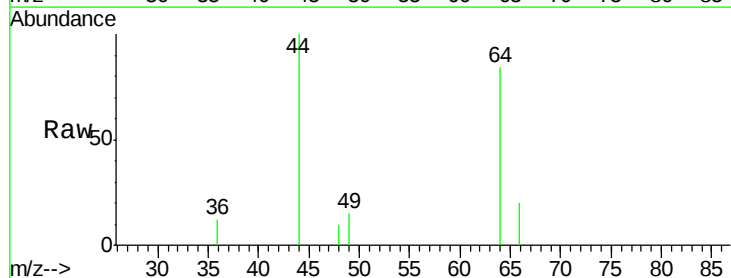
Instrument :
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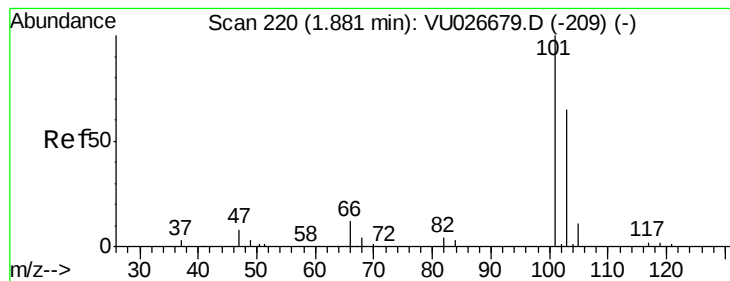
Tot Ion: 94 Resp: 1052
Ion Ratio Lower Upper
94 100
96 76.2 75.8 113.6



#6
Chloroethane
Concen: 1.03 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 64 Resp: 972
Ion Ratio Lower Upper
64 100
66 29.9 24.7 37.1





#7

Trichlorofluoromethane

Concen: 0.92 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

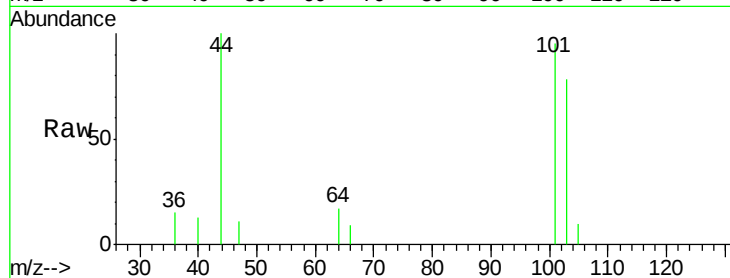
VSTDIC001

Tot Ion:101 Resp: 1769

Ion Ratio Lower Upper

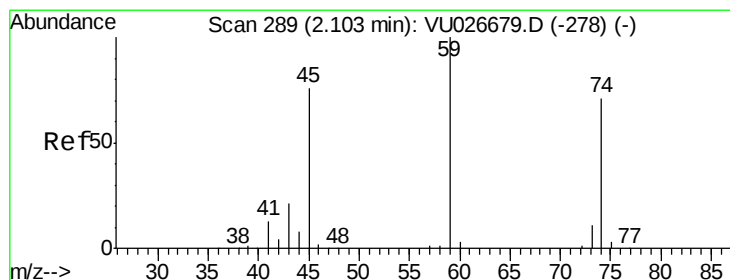
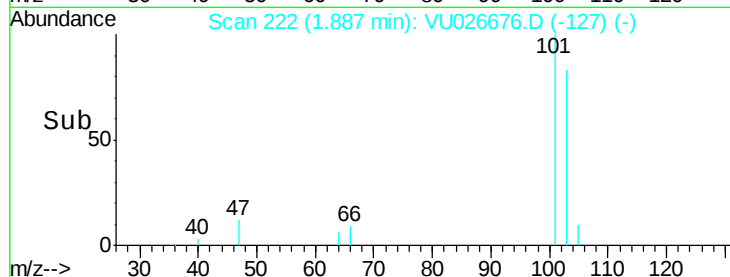
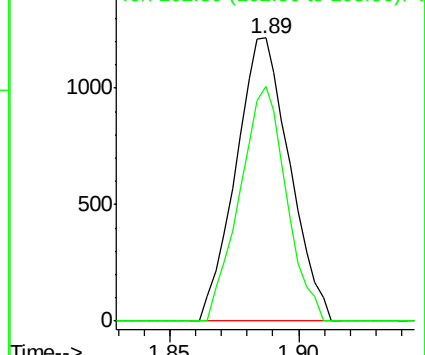
101 100

103 82.8 51.7 77.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.95 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU026676.D

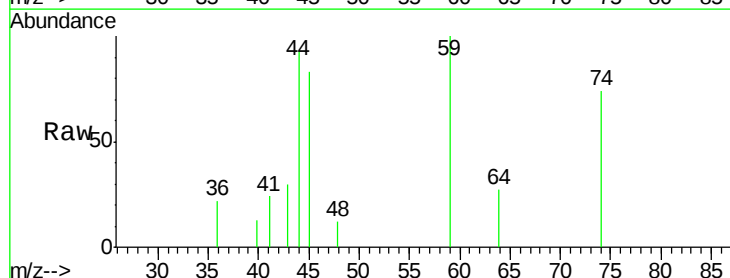
Acq: 11 Sep 2018 10:34

Tgt Ion: 74 Resp: 804

Ion Ratio Lower Upper

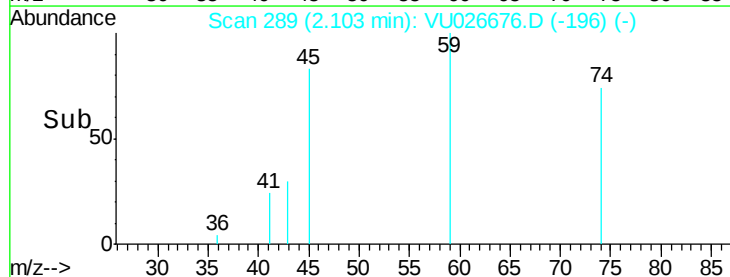
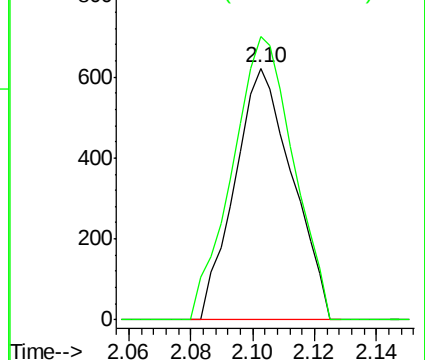
74 100

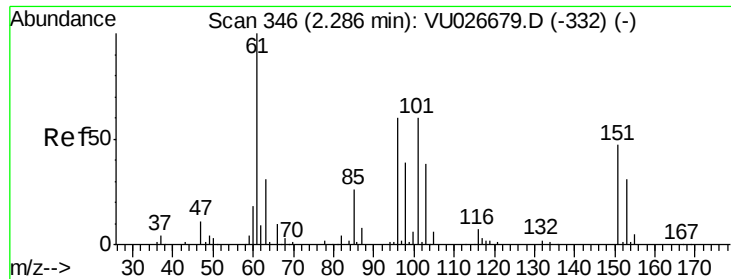
45 119.3 53.6 160.8



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.97 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

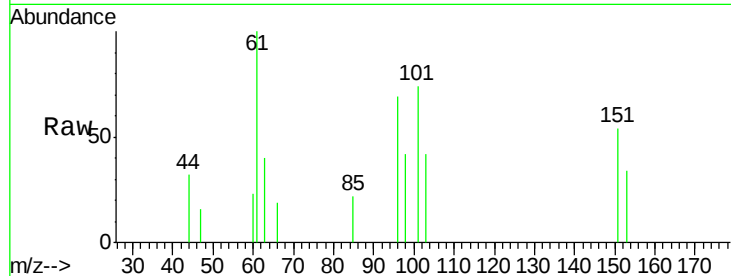
Tot Ion:101 Resp: 1113

Ion Ratio Lower Upper

101 100

85 32.6 34.6 52.0#

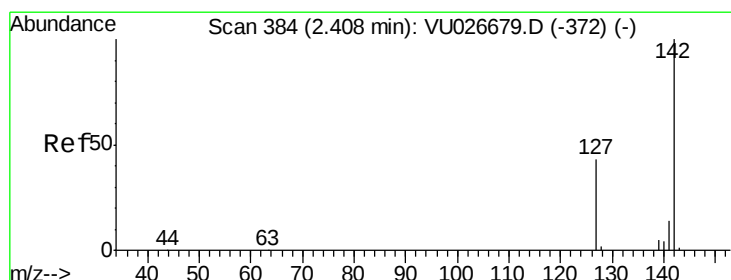
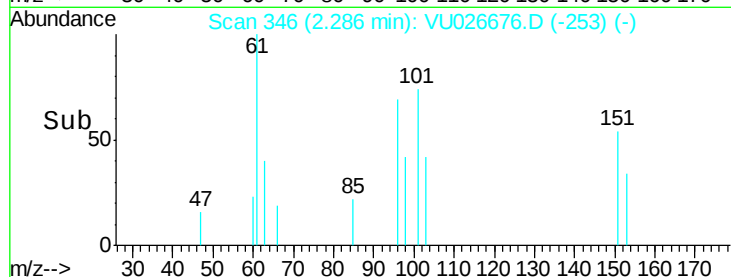
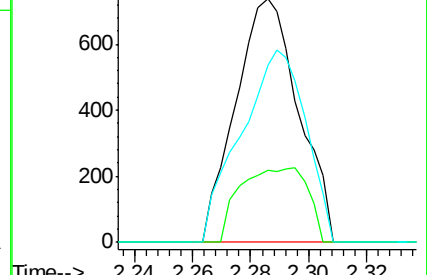
151 81.5 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

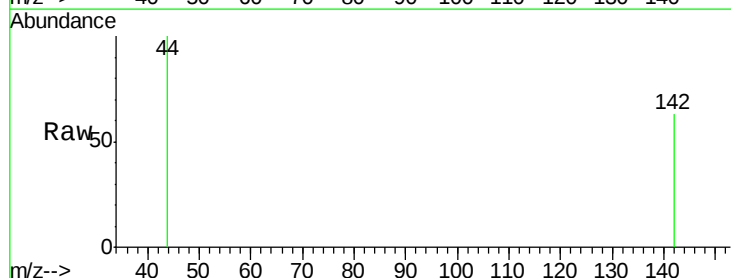
Tgt Ion:142 Resp: 182

Ion Ratio Lower Upper

142 100

127 0.0 34.1 51.1#

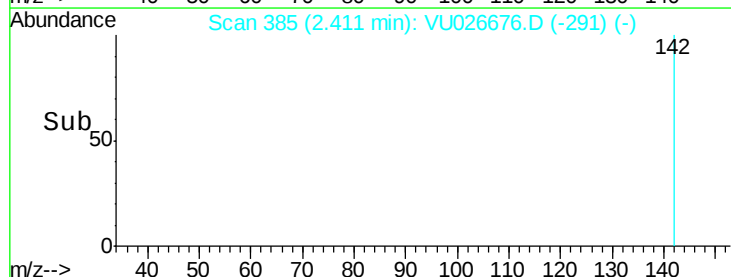
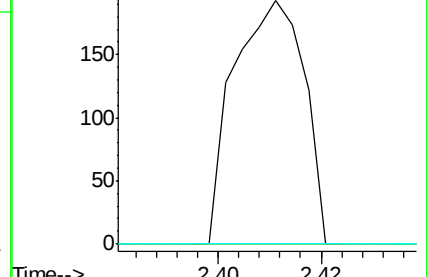
141 0.0 11.2 16.8#

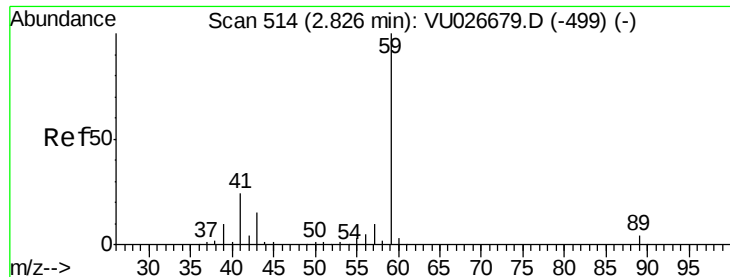


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

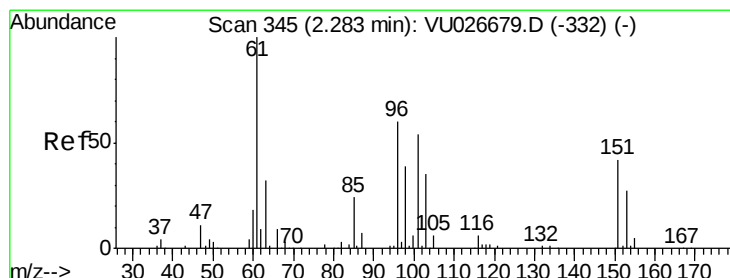
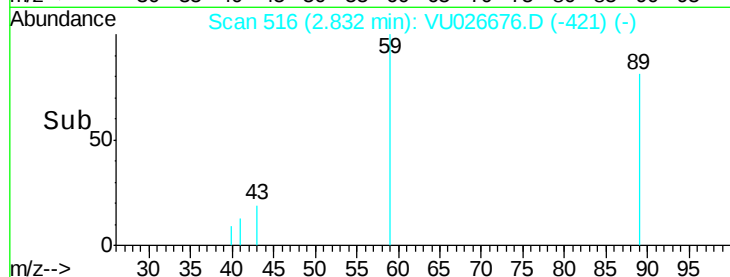
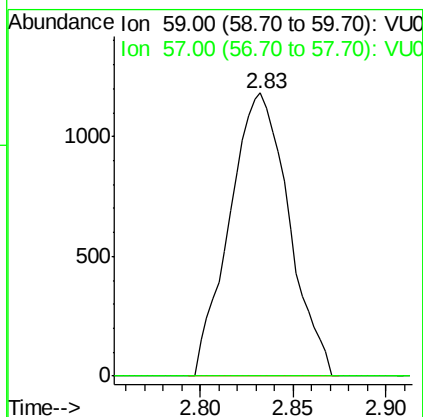
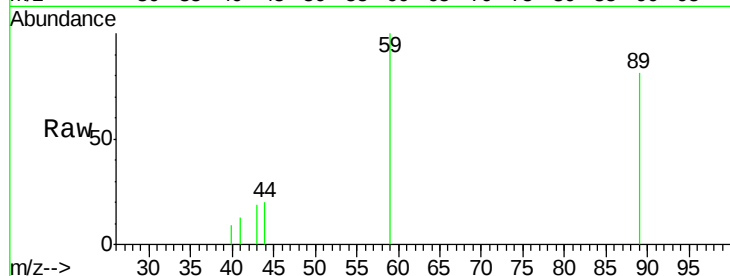




#11
Tert butyl alcohol
Concen: 7.51 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

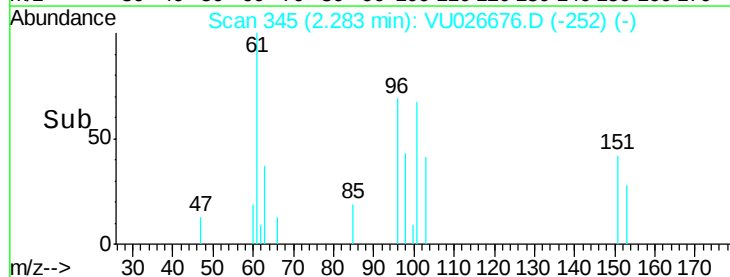
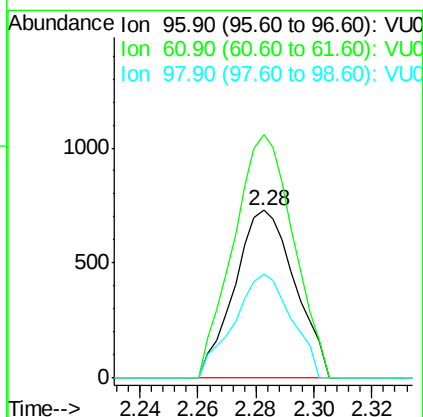
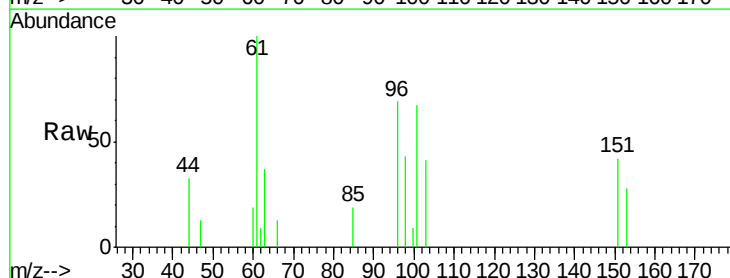
Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

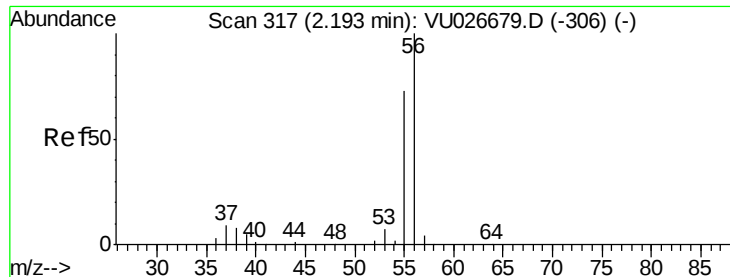
Tot Ion: 59 Resp: 2622
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 0.97 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 96 Resp: 1051
Ion Ratio Lower Upper
96 100
61 144.9 133.0 199.6
98 61.9 51.3 76.9





#13

Acrolein

Concen: 6.03 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

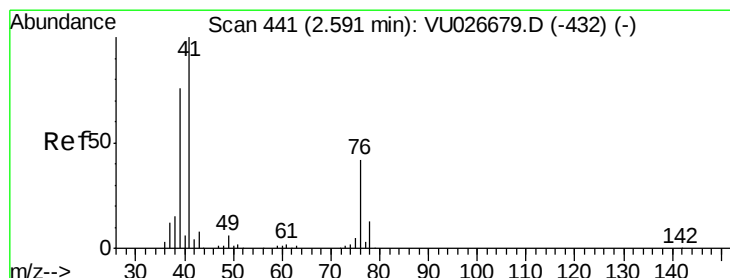
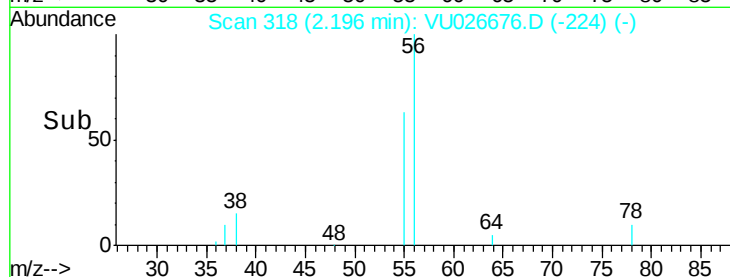
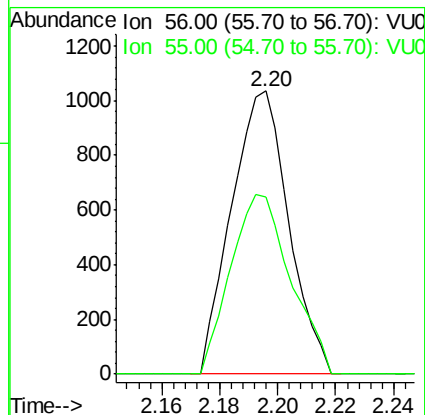
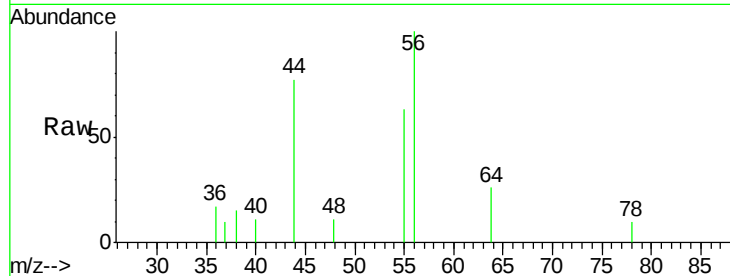
VSTDIC001

Tot Ion: 56 Resp: 1418

Ion Ratio Lower Upper

56 100

55 66.4 57.4 86.2



#14

Allyl chloride

Concen: 0.85 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

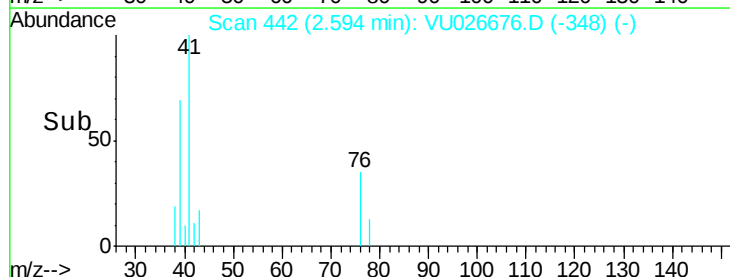
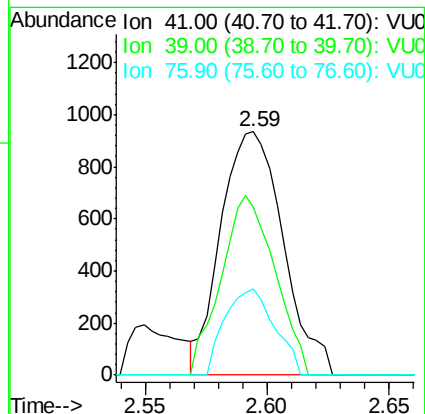
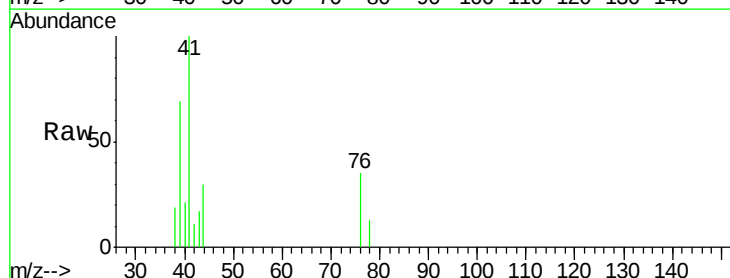
Tgt Ion: 41 Resp: 1661

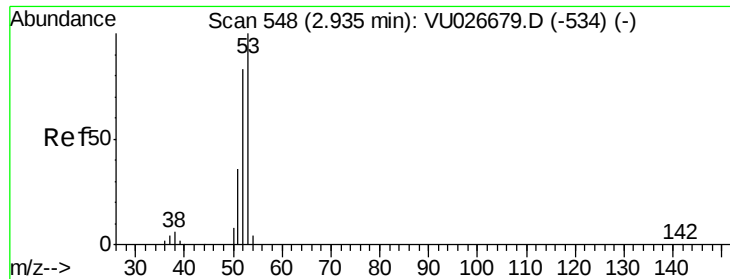
Ion Ratio Lower Upper

41 100

39 63.5 56.9 85.3

76 28.4 29.7 44.5#





#15

Acrylonitrile

Concen: 4.29 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

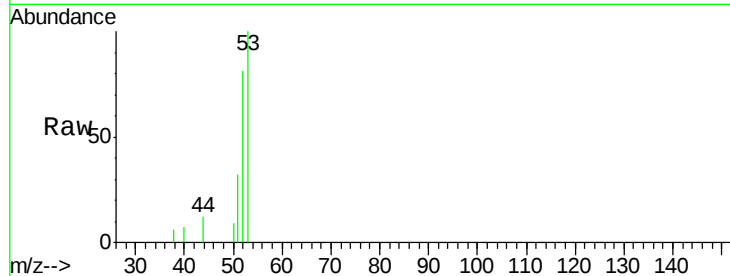
Tot Ion: 53 Resp: 3214

Ion Ratio Lower Upper

53 100

52 86.3 65.8 98.8

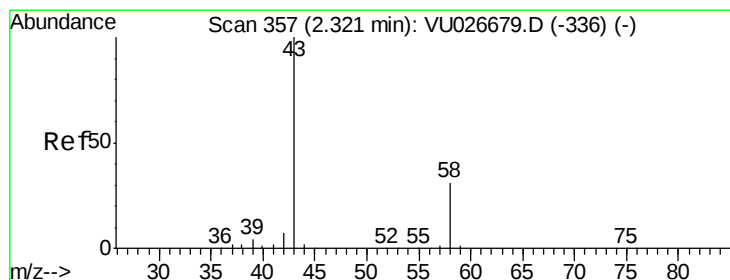
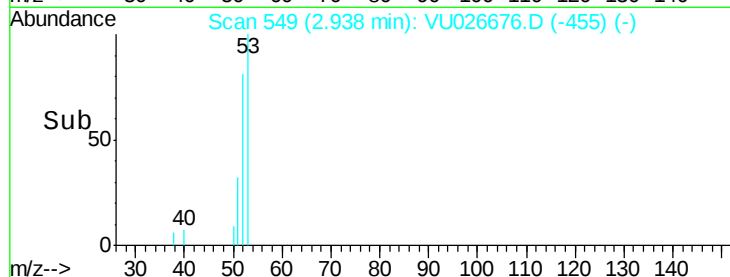
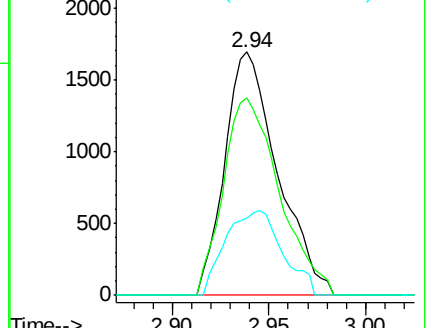
51 37.5 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 5.88 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026676.D

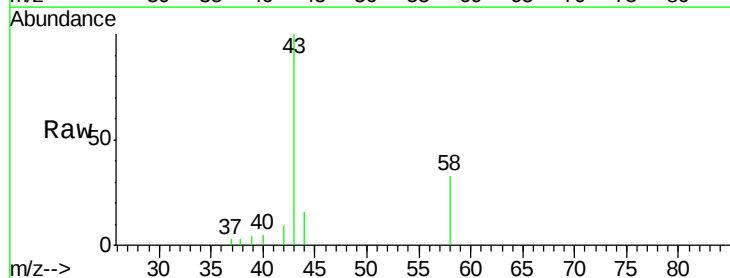
Acq: 11 Sep 2018 10:34

Tgt Ion: 43 Resp: 4772

Ion Ratio Lower Upper

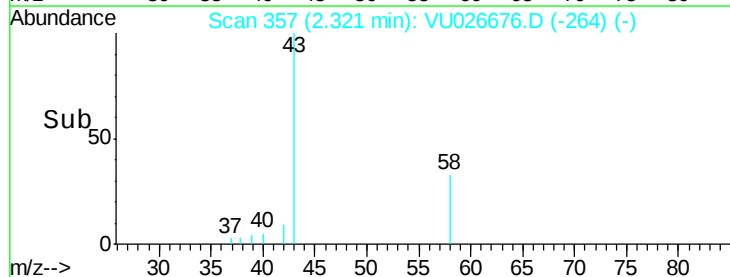
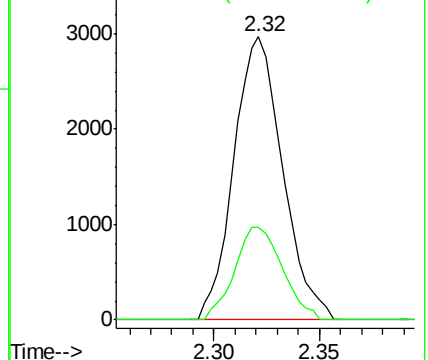
43 100

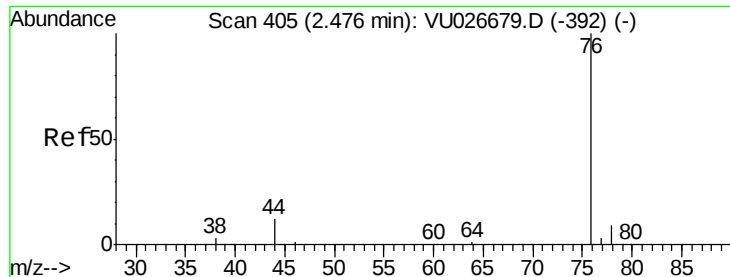
58 32.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 1.09 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

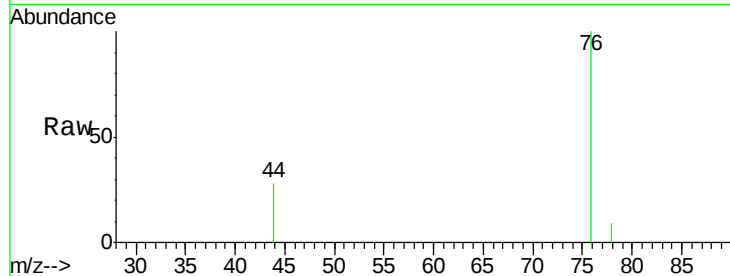
VSTDIC001

Tot Ion: 76 Resp: 3759

Ion Ratio Lower Upper

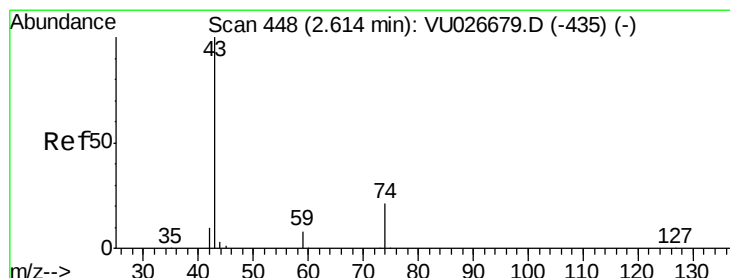
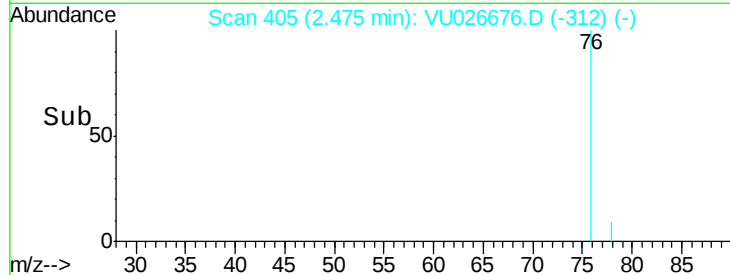
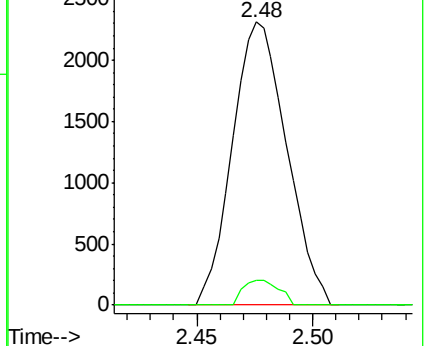
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 0.91 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026676.D

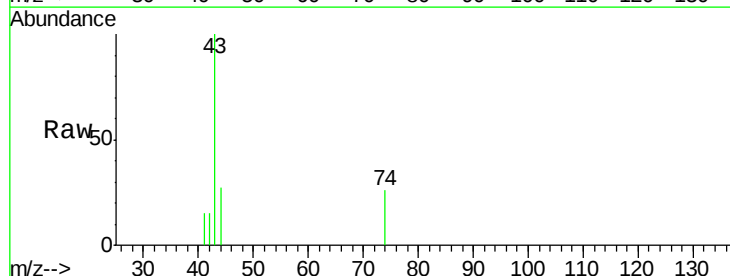
Acq: 11 Sep 2018 10:34

Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

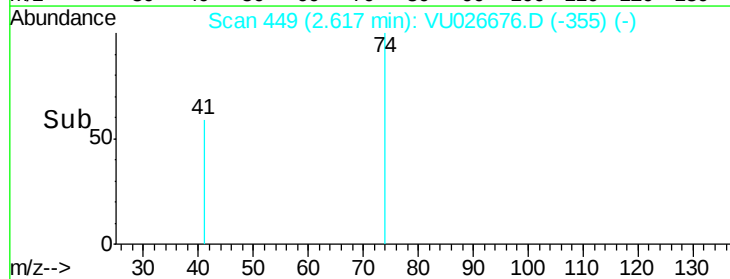
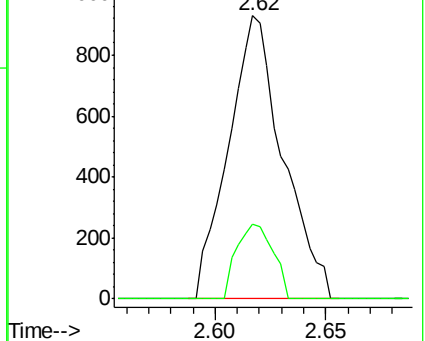
43 100

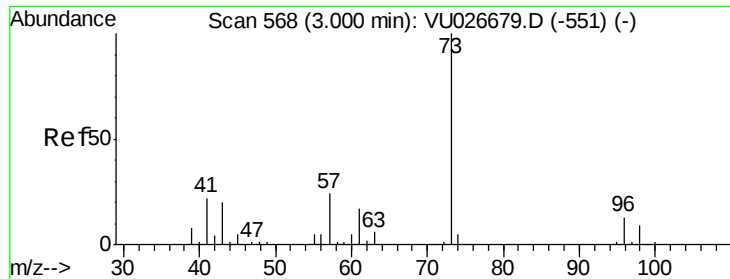
74 17.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

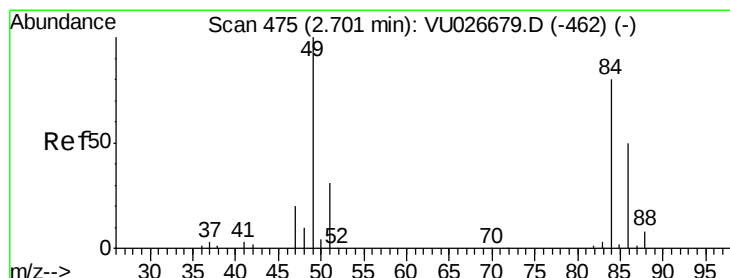
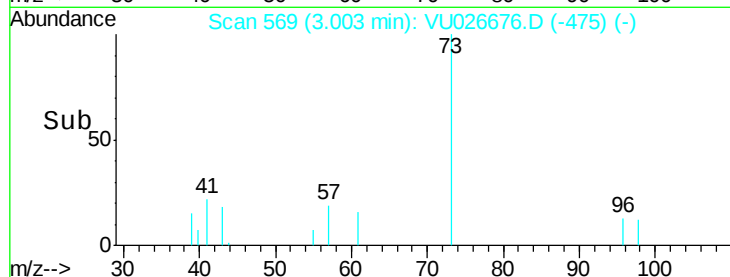
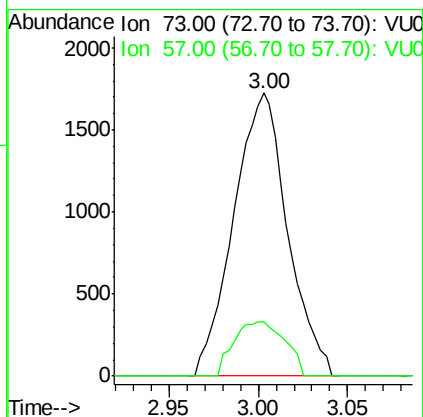
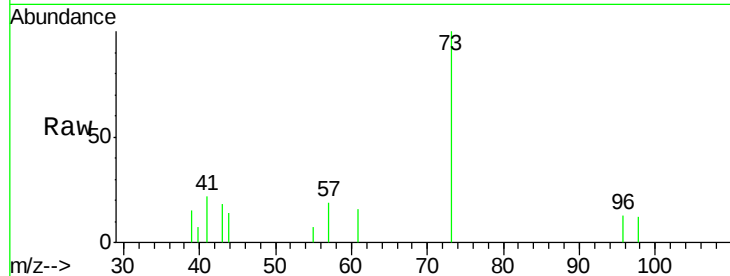




#19
Methvl tert-butvl Ether
Concen: 0.97 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

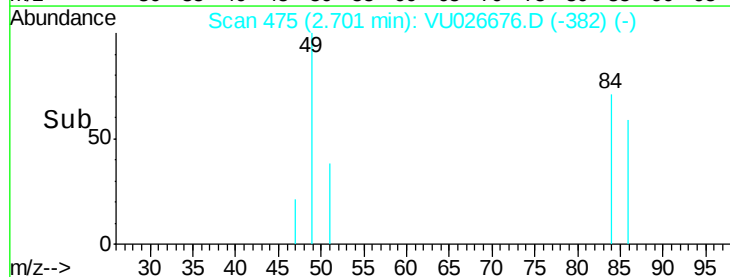
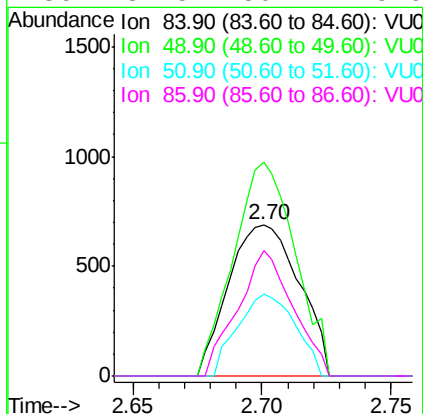
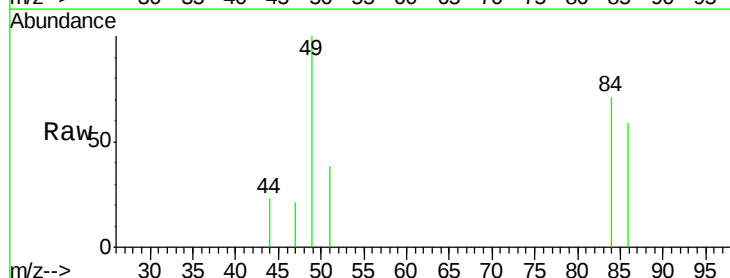
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

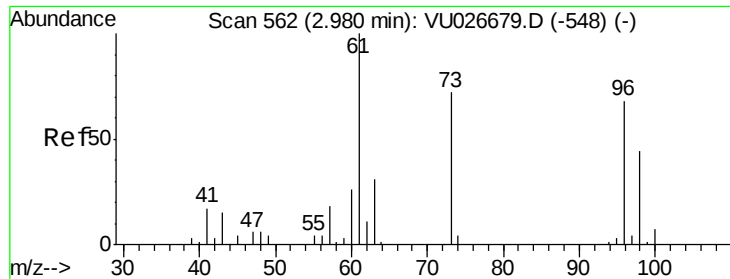
Tot Ion: 73 Resp: 3632
Ion Ratio Lower Upper
73 100
57 19.3 18.9 28.3



#20
Methylene Chloride
Concen: 1.00 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 84 Resp: 1316
Ion Ratio Lower Upper
84 100
49 140.8 100.6 151.0
51 53.8 30.9 46.3#
86 82.5 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: 0.90 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

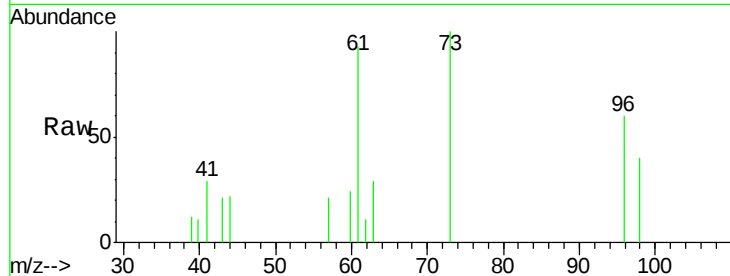
Tot Ion: 96 Resp: 1028

Ion Ratio Lower Upper

96 100

61 155.1 117.7 176.5

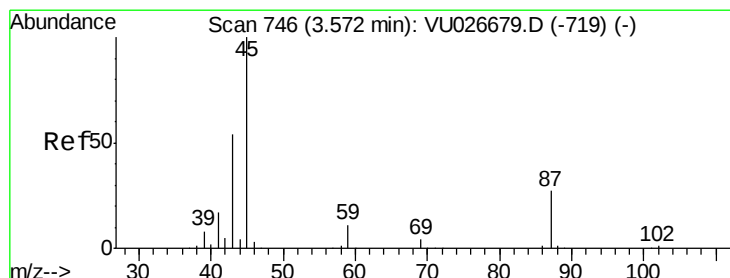
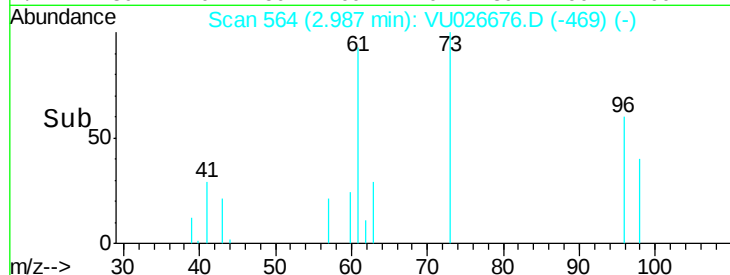
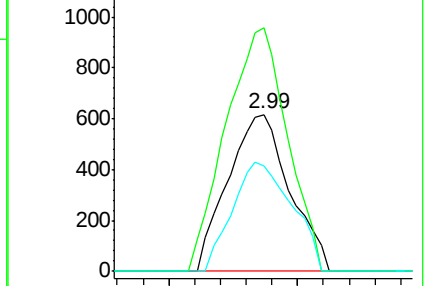
98 66.9 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VU026679.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU026679.D (-548) (-)



#22

Diisopropyl ether

Concen: 0.83 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion: 45 Resp: 3392

Ion Ratio Lower Upper

45 100

43 79.6 44.6 67.0#

87 25.9 21.4 32.0

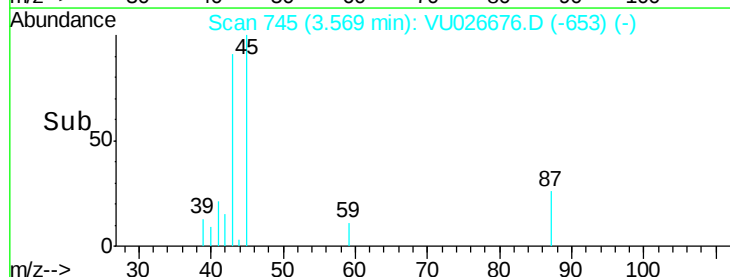
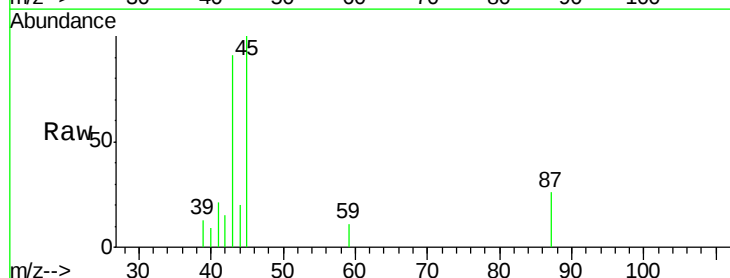
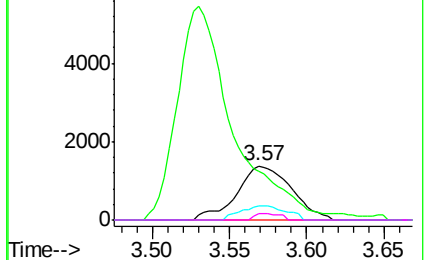
59 10.8 9.0 13.4

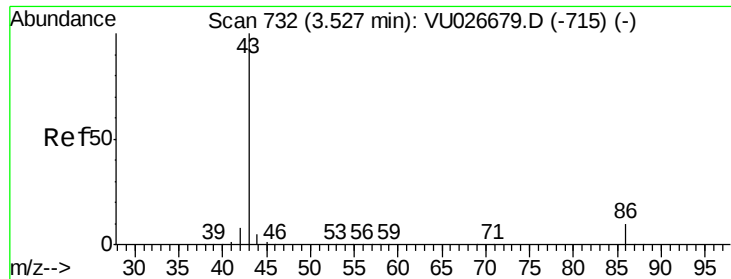
Abundance Ion 45.00 (44.70 to 45.70): VU026679.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU026679.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU026679.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU026679.D (-719) (-)





#23

Vinyl Acetate

Concen: 3.98 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

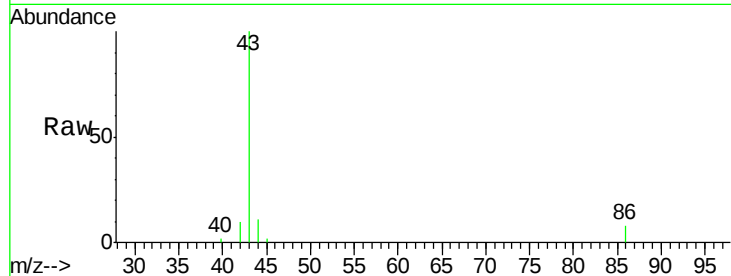
VSTDIC001

Tot Ion: 43 Resp: 13760

Ion Ratio Lower Upper

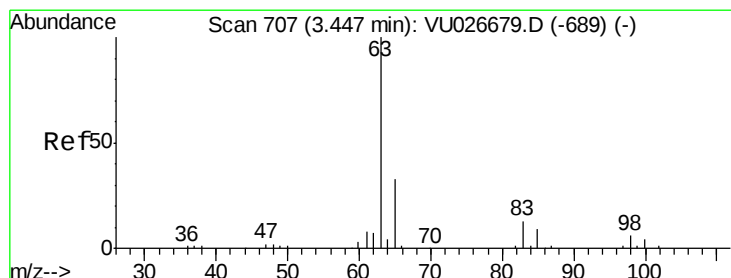
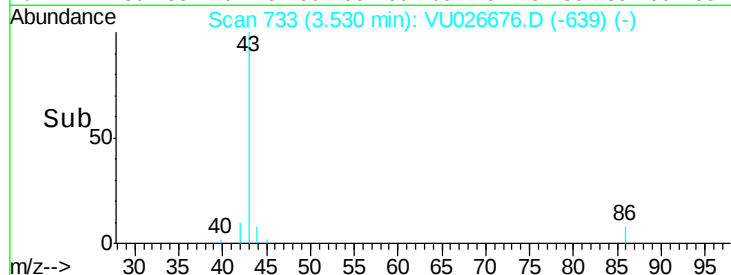
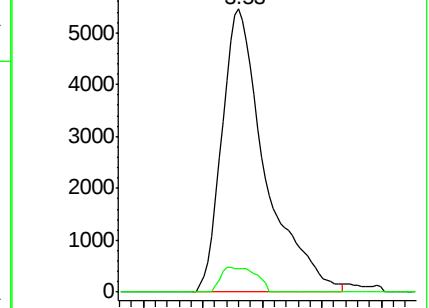
43 100

86 8.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 0.87 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

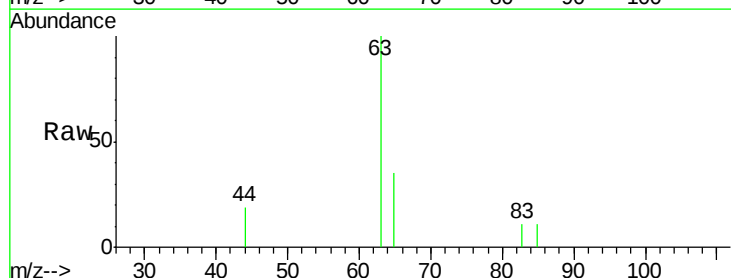
Tgt Ion: 63 Resp: 2003

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

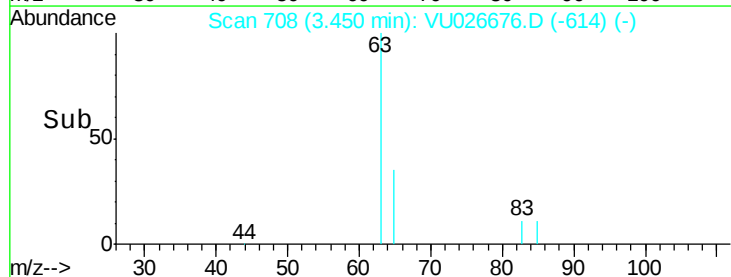
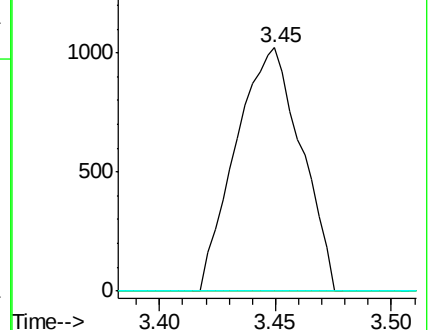
100 0.0 2.0 6.0#

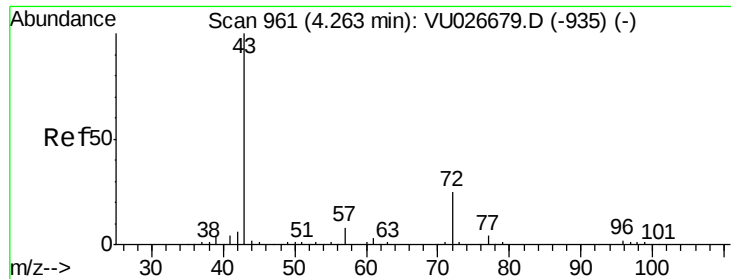


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

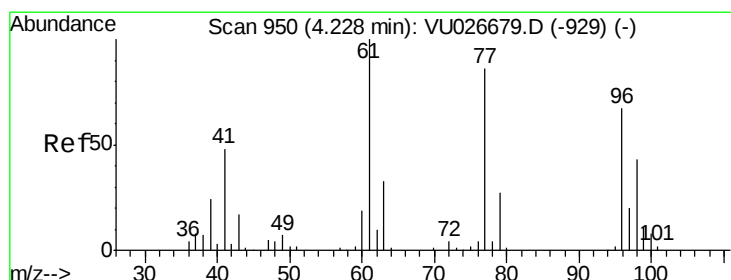
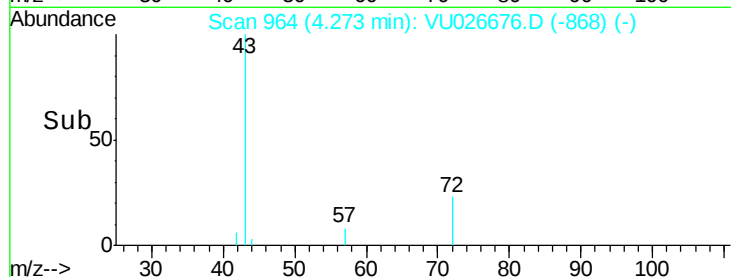
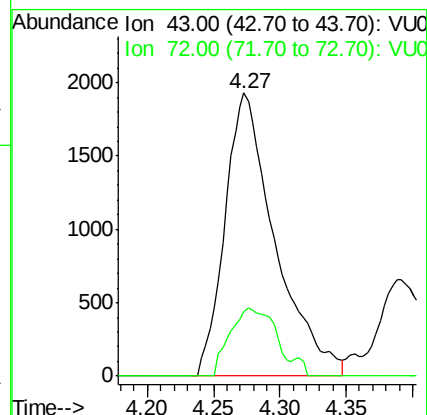
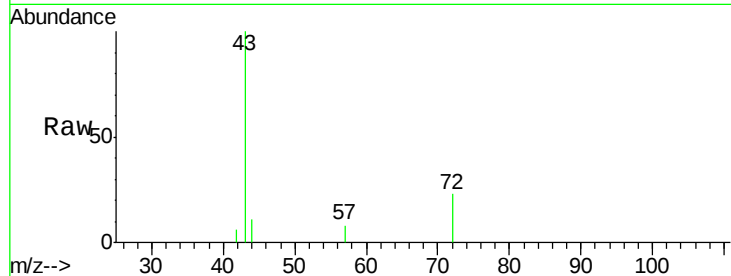




#25
2-Butanone
Concen: 4.65 ug/l
RT: 4.27 min Scan# 964
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

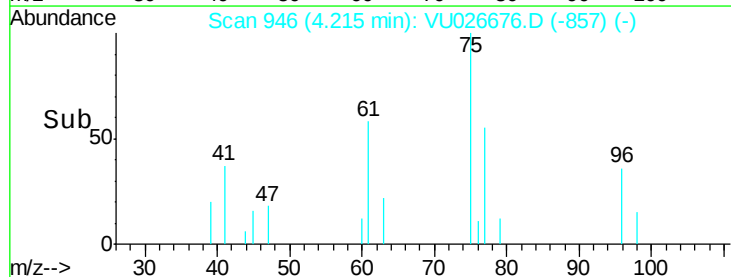
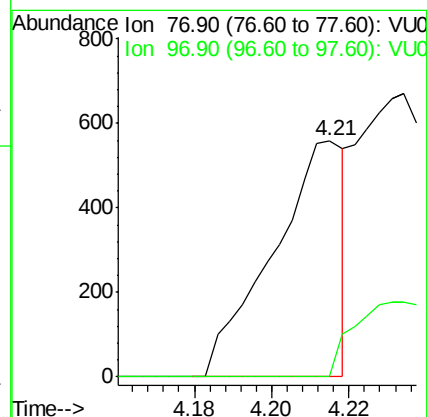
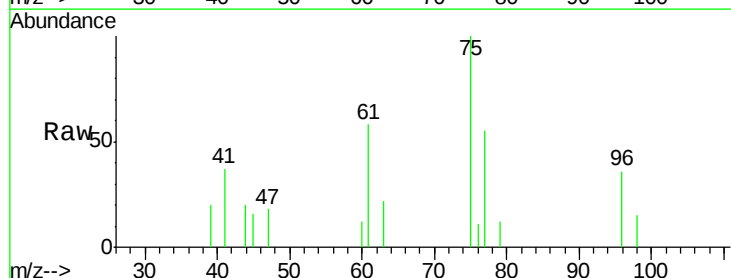
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

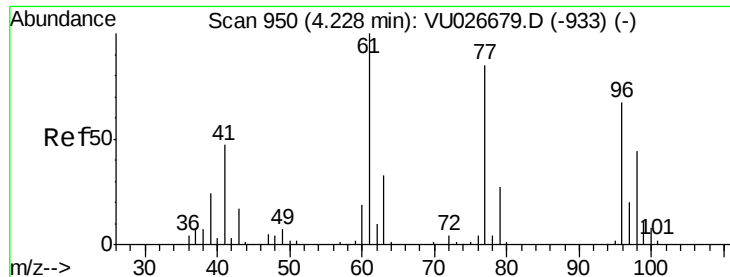
Tot Ion: 43 Resp: 5079
Ion Ratio Lower Upper
43 100
72 22.9 20.3 30.5



#26
2,2-Dichloropropane
Concen: 0.38 ug/l
RT: 4.21 min Scan# 946
Delta R.T. -0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 77 Resp: 716
Ion Ratio Lower Upper
77 100
97 35.2 11.6 34.8#





#27

cis-1,2-Dichloroethene

Concen: 0.88 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

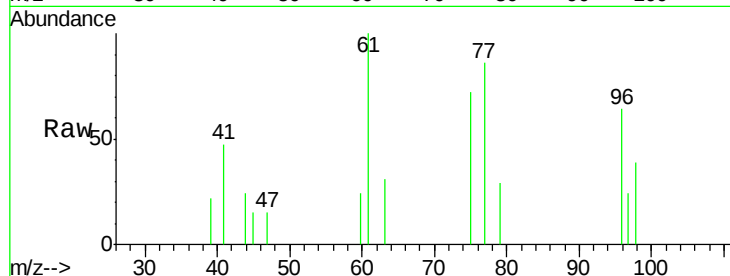
Tot Ion: 96 Resp: 1156

Ion Ratio Lower Upper

96 100

61 159.6 0.0 301.8

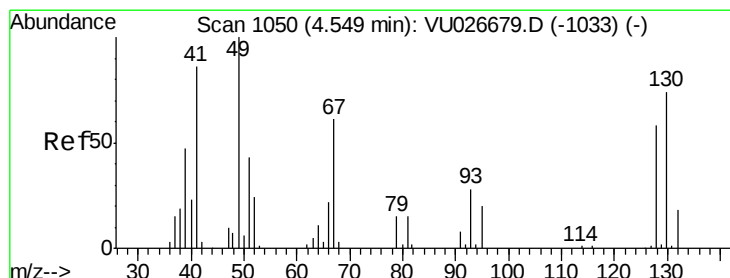
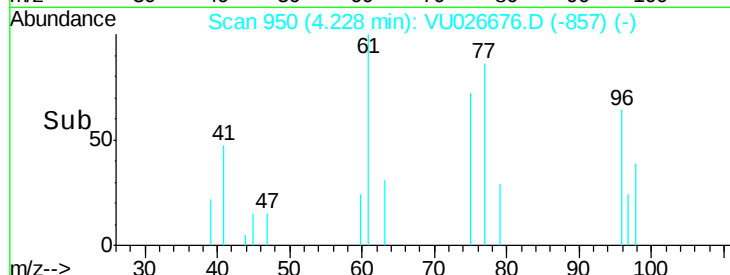
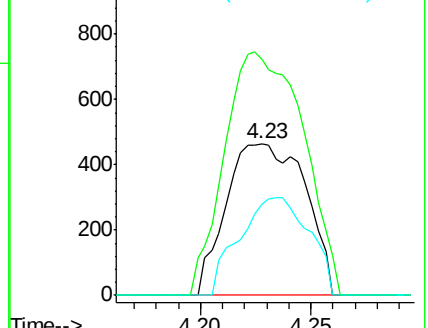
98 56.7 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 0.93 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

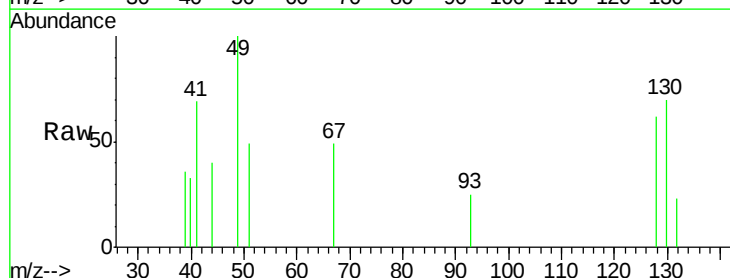
Tgt Ion: 49 Resp: 1025

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

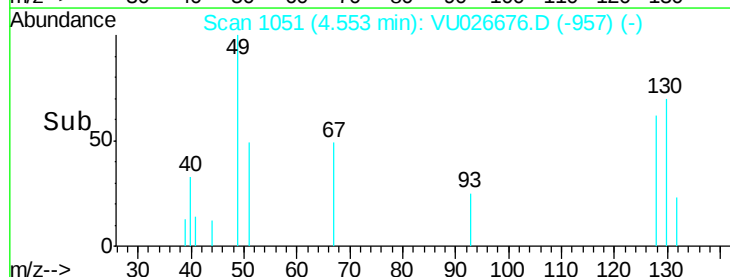
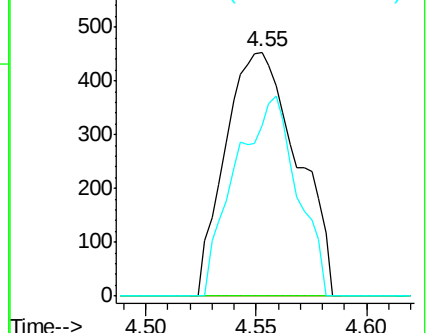
130 70.0 59.8 89.6

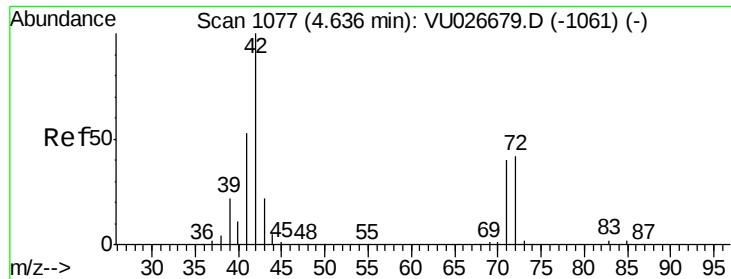


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 4.49 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

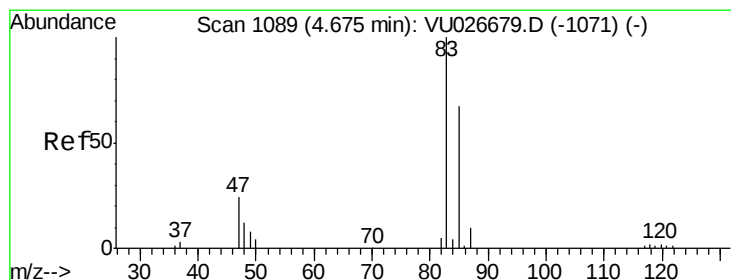
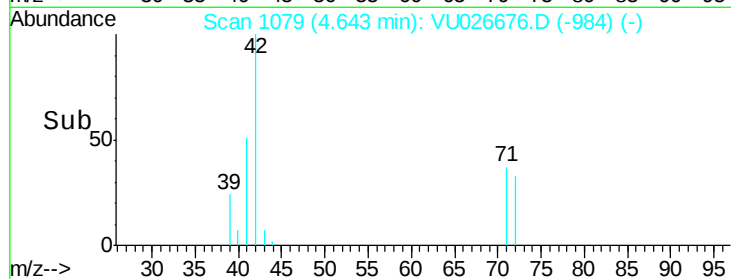
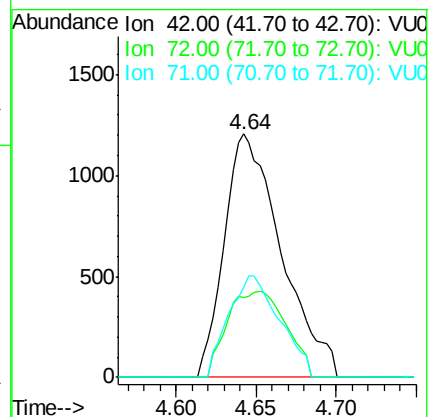
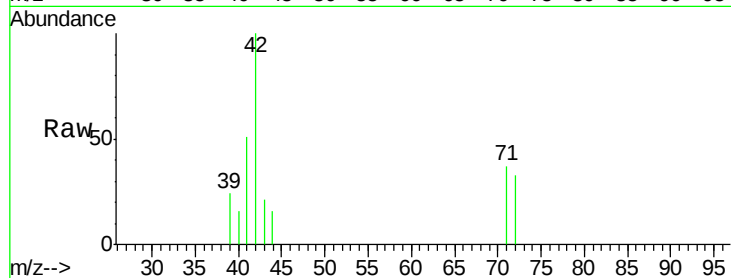
Tot Ion: 42 Resp: 2955

Ion Ratio Lower Upper

42 100

72 36.4 34.4 51.6

71 37.2 32.4 48.6



#30

Chloroform

Concen: 0.95 ug/l

RT: 4.68 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VU026676.D

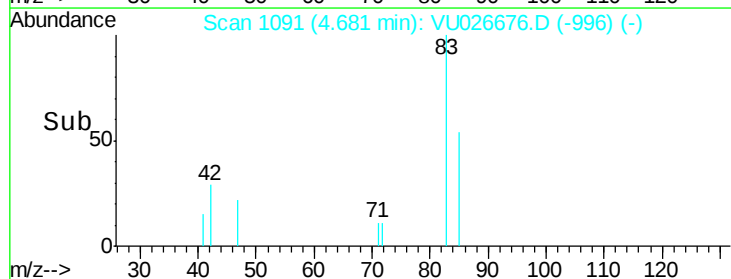
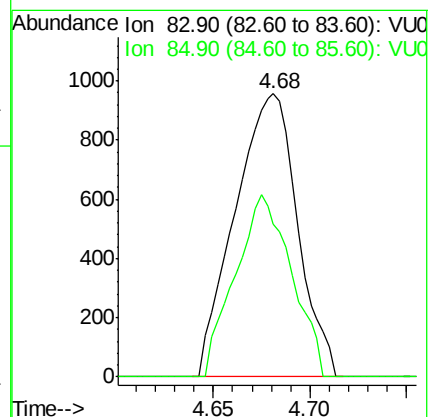
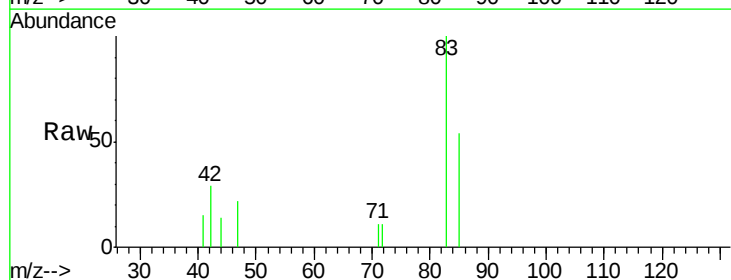
Acq: 11 Sep 2018 10:34

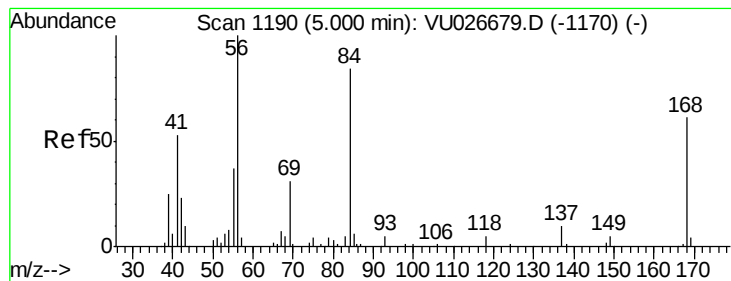
Tgt Ion: 83 Resp: 2147

Ion Ratio Lower Upper

83 100

85 54.1 53.3 79.9





#31

Cyclohexane

Concen: 1.53 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

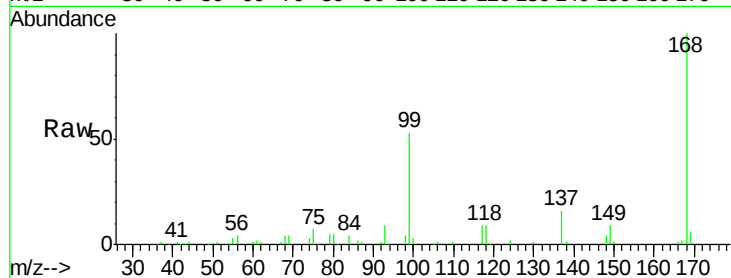
Tot Ion: 56 Resp: 3632

Ion Ratio Lower Upper

56 100

69 109.5 24.9 37.3#

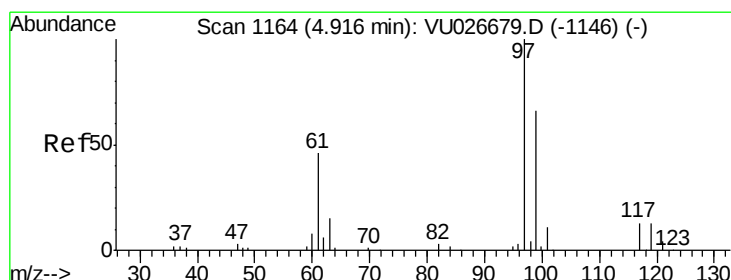
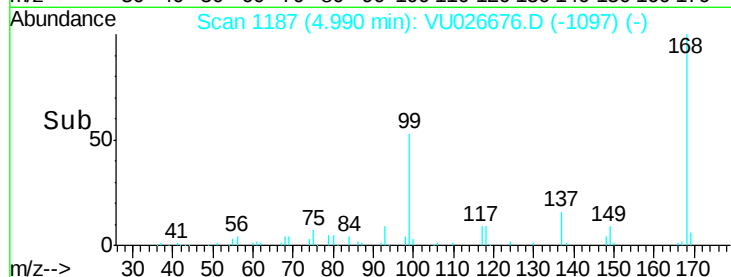
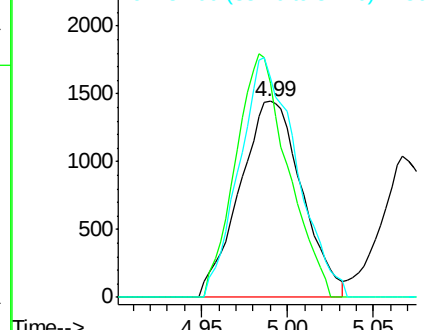
84 111.7 66.6 100.0#



Abundance Ion 56.00 (55.70 to 56.70): VU026676.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU026676.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU026676.D (-1187) (-)



#32

1,1,1-Trichloroethane

Concen: 0.86 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

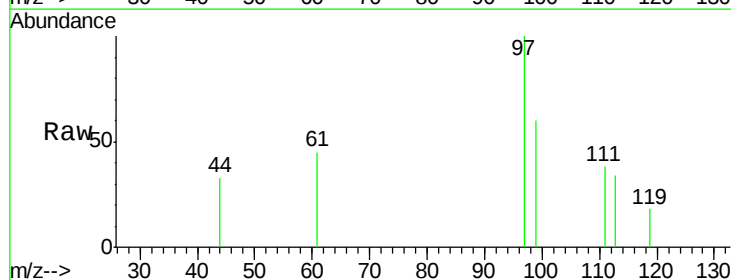
Tgt Ion: 97 Resp: 1618

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

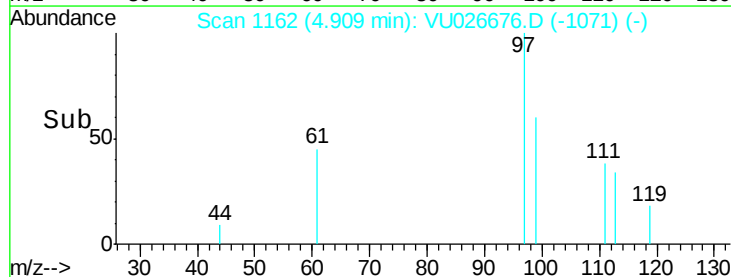
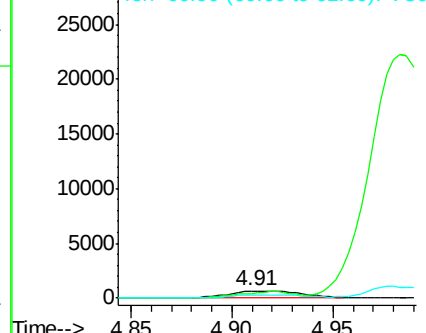
61 20.5 36.8 55.2#

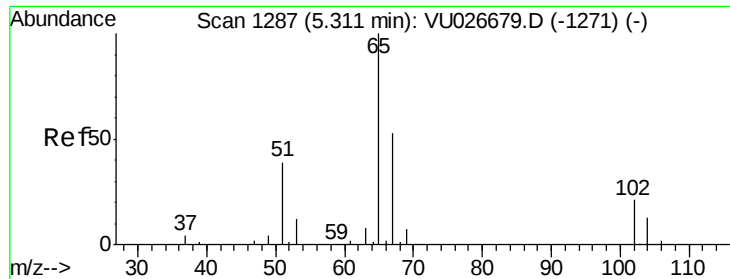


Abundance Ion 96.90 (96.60 to 97.60): VU026676.D (-1162) (-)

Ion 98.90 (98.60 to 99.60): VU026676.D (-1162) (-)

Ion 60.90 (60.60 to 61.60): VU026676.D (-1162) (-)

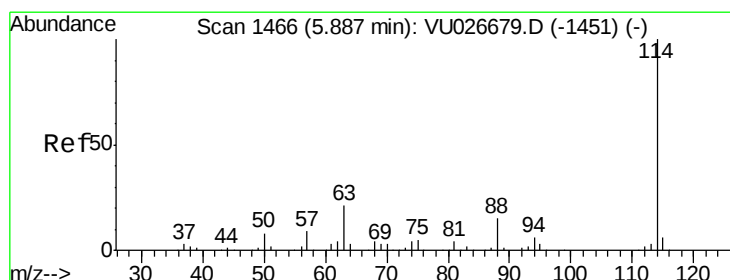
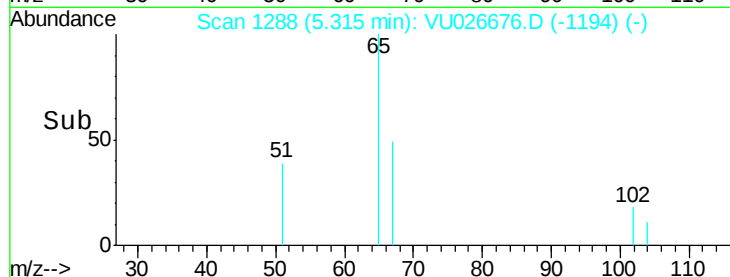
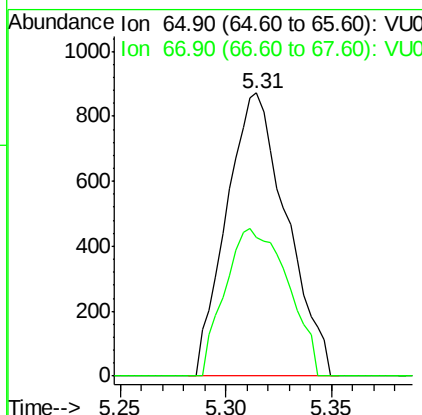
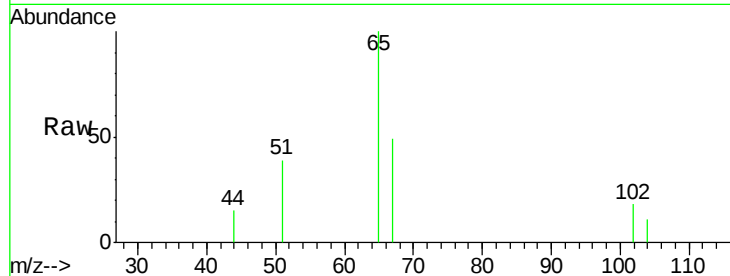




#33
 1,2-Dichloroethane-d4
 Concen: 1.21 ug/l
 RT: 5.31 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

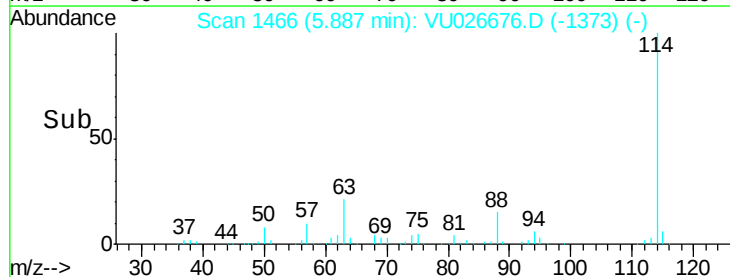
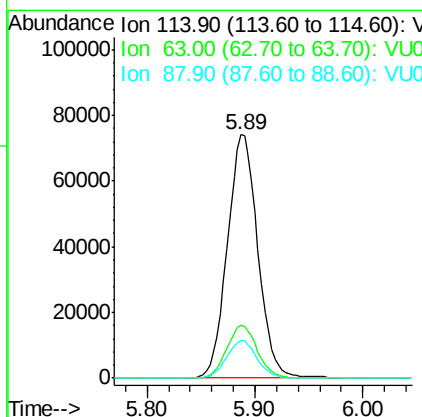
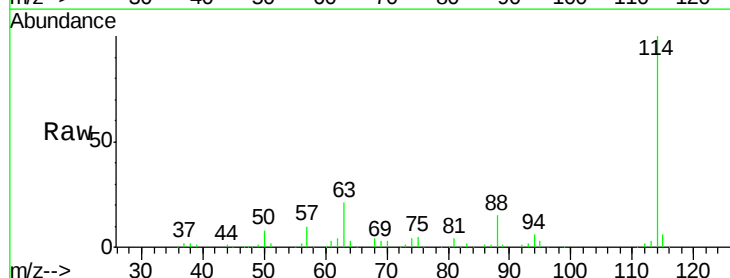
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

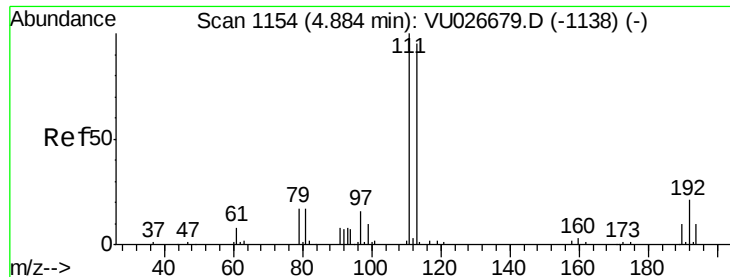
Tot Ion: 65 Resp: 1731
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 114 Resp: 145864
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.4
 88 15.3 0.0 30.8

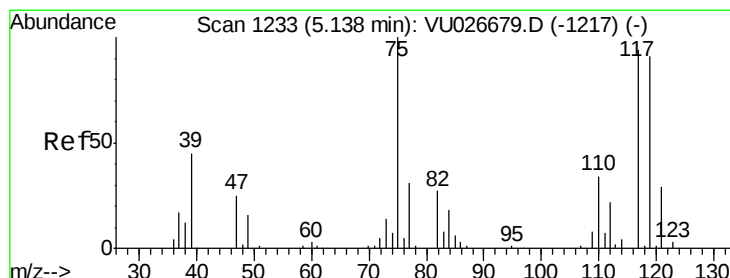
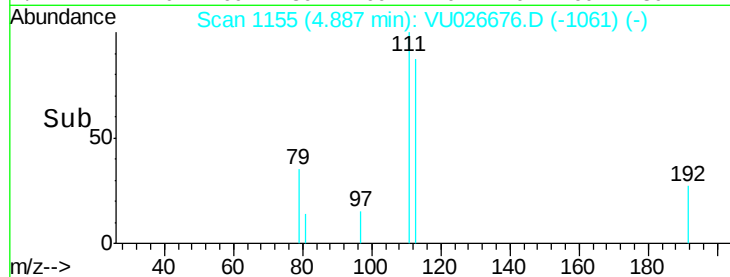
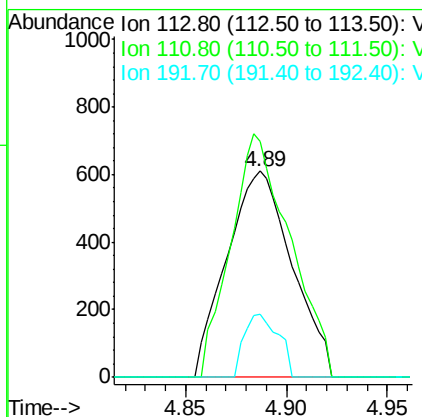
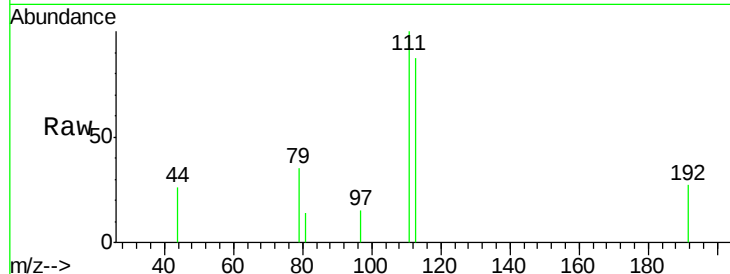




#35
 Dibromofluoromethane
 Concen: 1.15 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

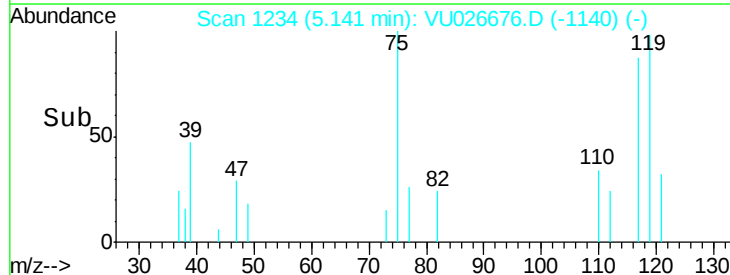
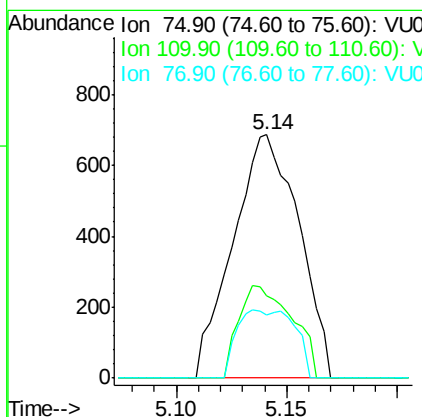
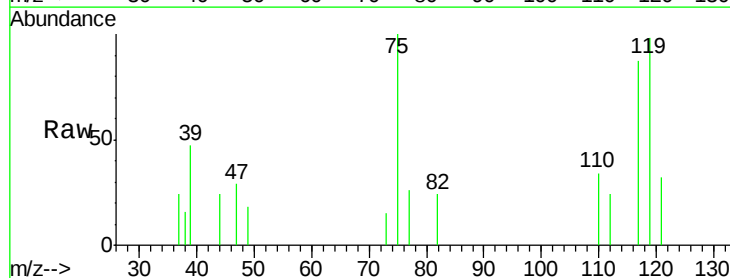
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

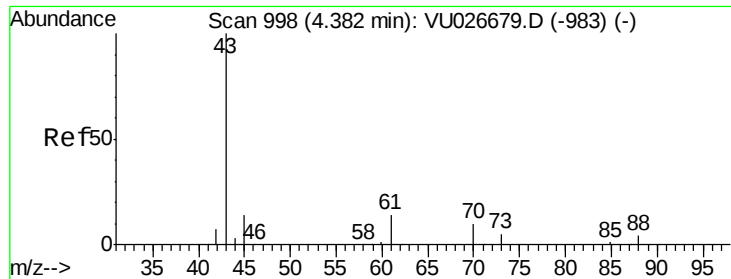
Tot Ion:113 Resp: 1374
 Ion Ratio Lower Upper
 113 100
 111 106.9 83.1 124.7
 192 16.2 17.4 26.2#



#36
 1,1-Dichloropropene
 Concen: 0.87 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 75 Resp: 1420
 Ion Ratio Lower Upper
 75 100
 110 30.9 17.3 51.9
 77 24.4 24.9 37.3#

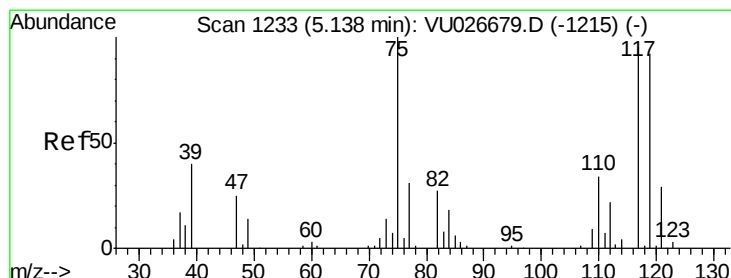
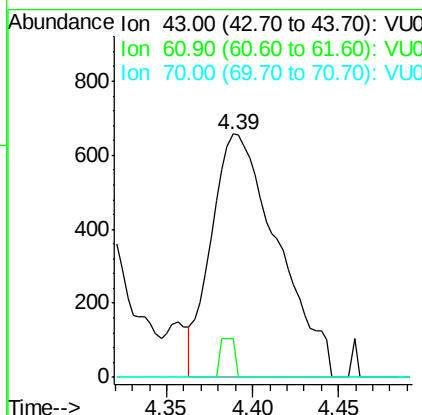
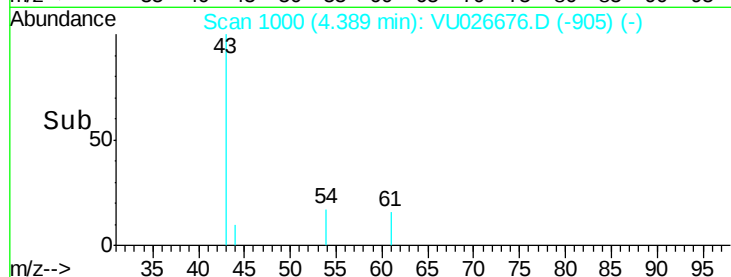
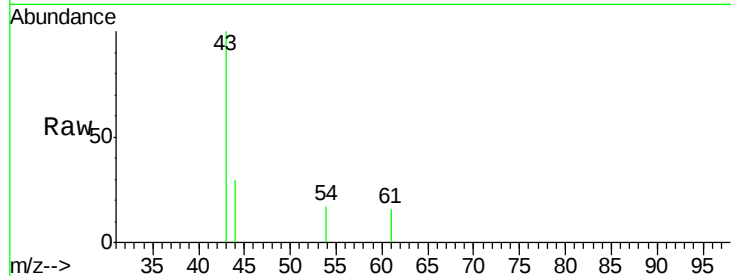




#37
Ethyl Acetate
Concen: 0.90 ug/l
RT: 4.39 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

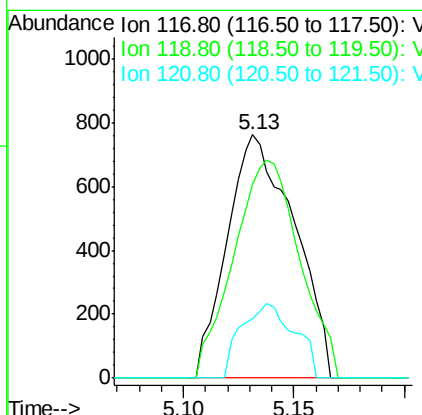
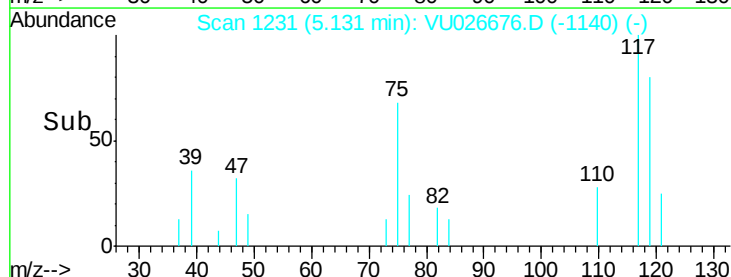
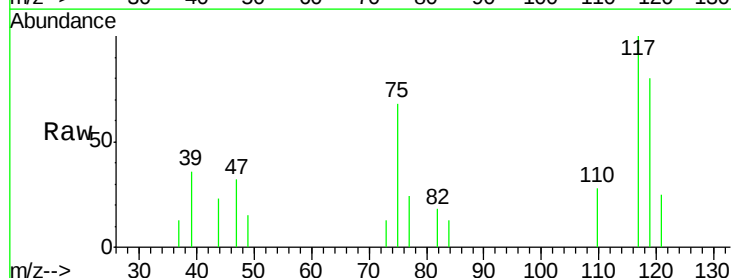
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

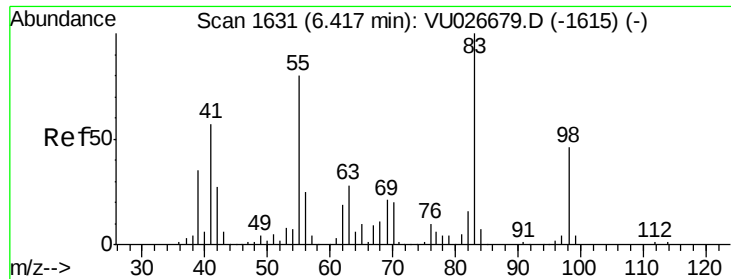
Tot Ion: 43 Resp: 1770
Ion Ratio Lower Upper
43 100
61 3.4 11.5 17.3#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 0.93 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 117 Resp: 1607
Ion Ratio Lower Upper
117 100
119 79.6 77.8 116.8
121 24.5 25.0 37.4#

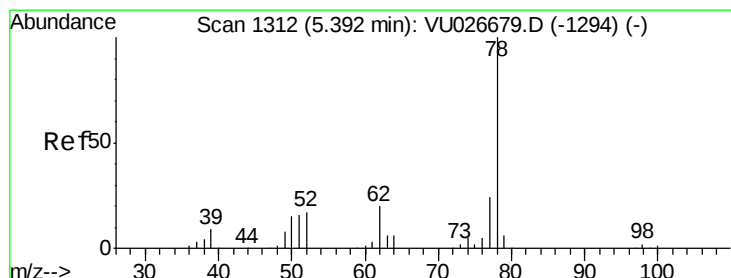
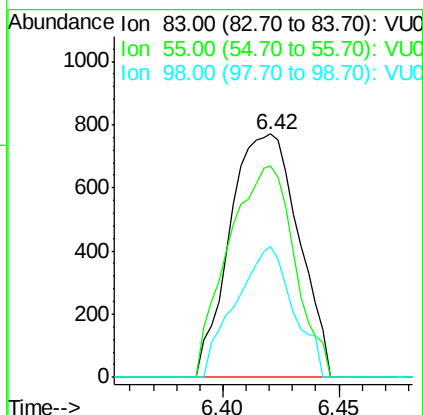
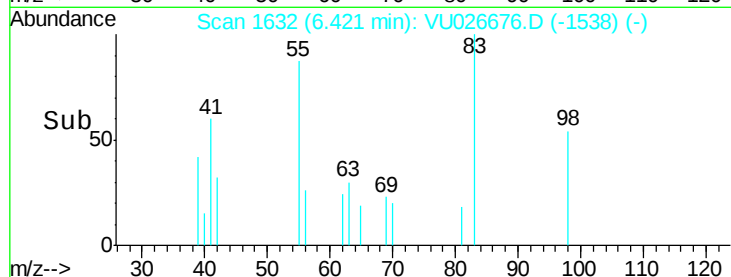
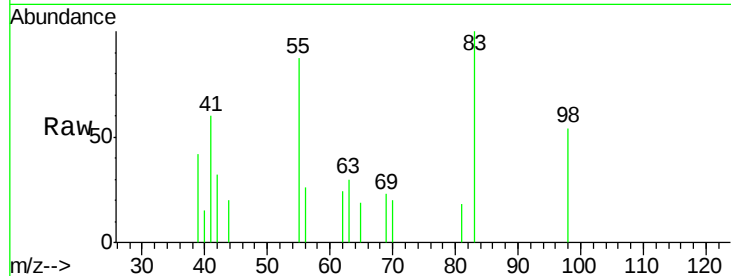




#39
Methvlcvclohexane
Concen: 0.81 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

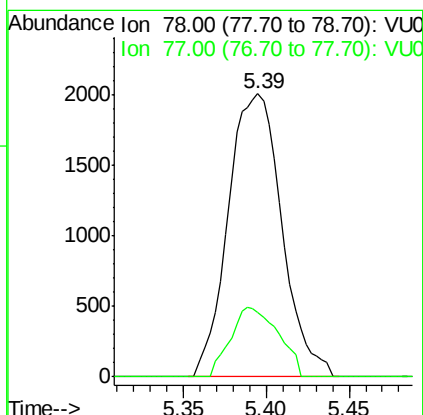
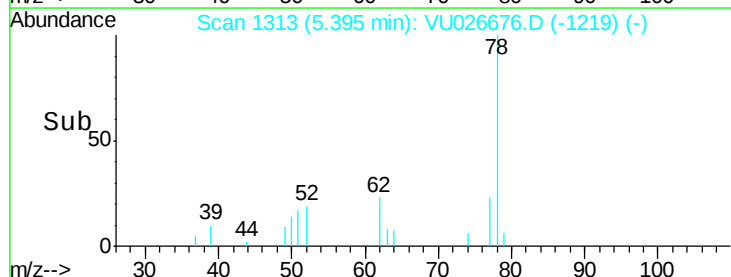
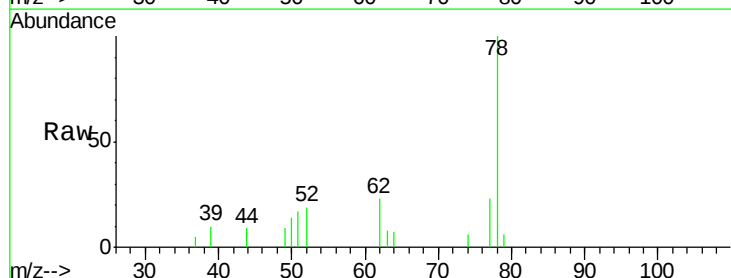
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

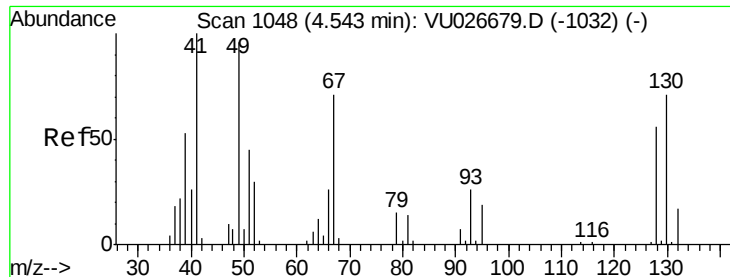
Tot Ion: 83 Resp: 1576
Ion Ratio Lower Upper
83 100
55 86.9 63.8 95.6
98 53.6 37.2 55.8



#40
Benzene
Concen: 0.89 ug/l
RT: 5.39 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 78 Resp: 4518
Ion Ratio Lower Upper
78 100
77 23.0 19.5 29.3

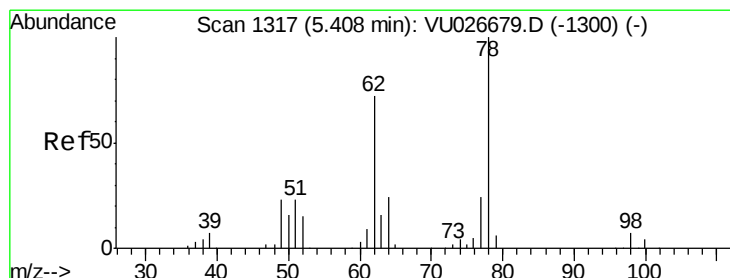
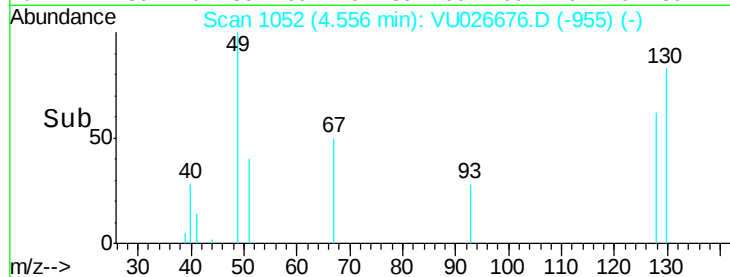
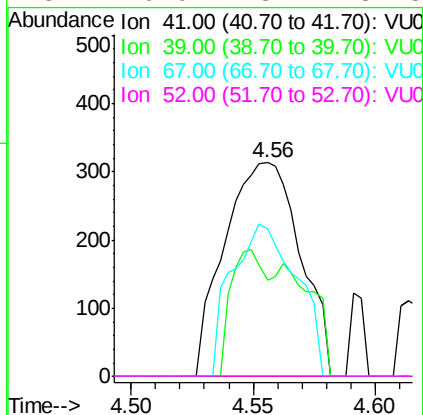
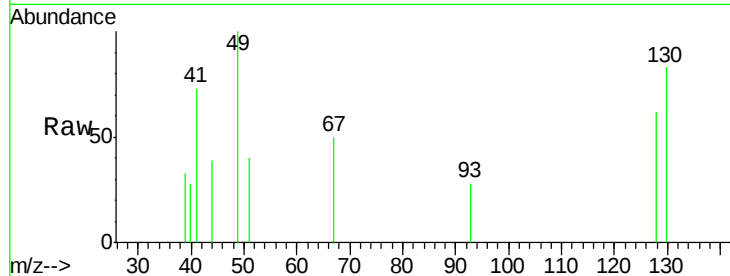




#41
Methacrylonitrile
Concen: 0.66 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

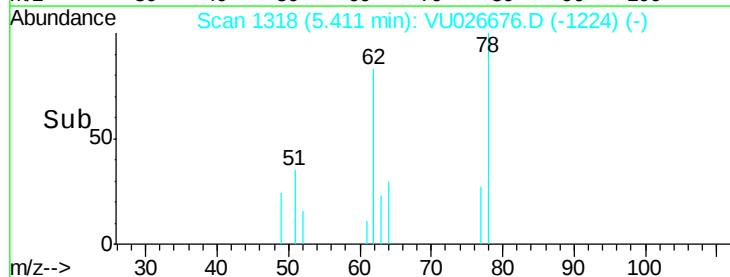
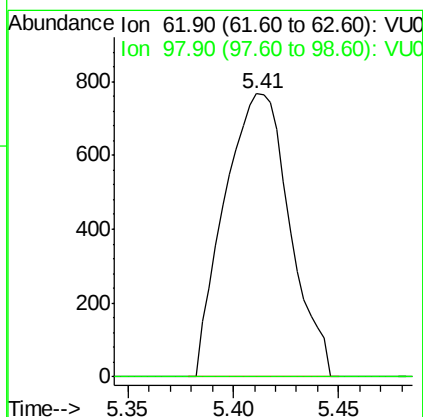
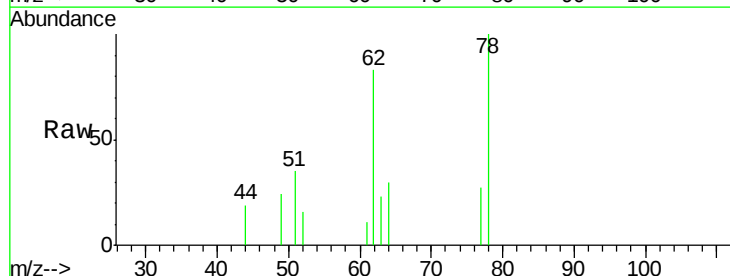
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

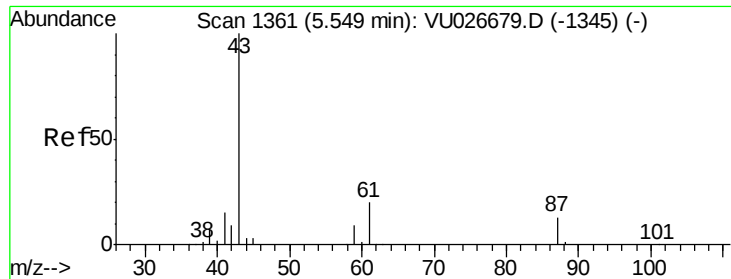
Tot Ion: 41 Resp: 674
Ion Ratio Lower Upper
41 100
39 27.3 42.9 64.3#
67 61.4 56.6 84.8
52 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.91 ug/l
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 62 Resp: 1651
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 0.79 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

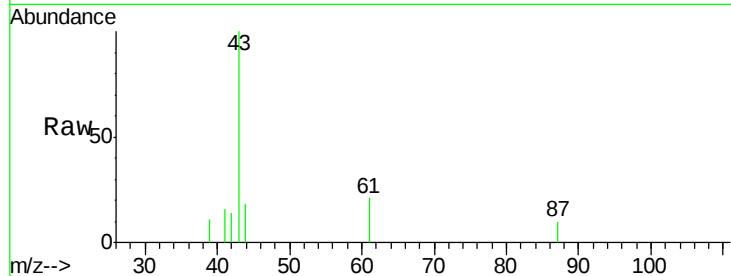
Tot Ion: 43 Resp: 2354

Ion Ratio Lower Upper

43 100

61 17.8 16.0 24.0

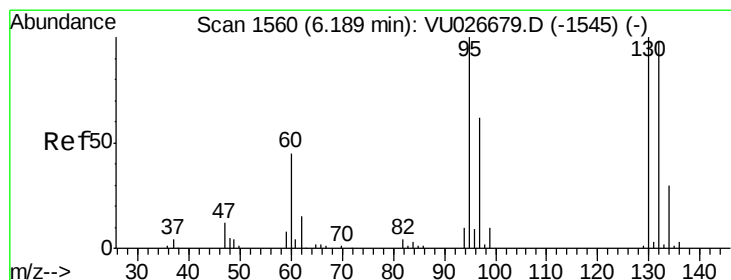
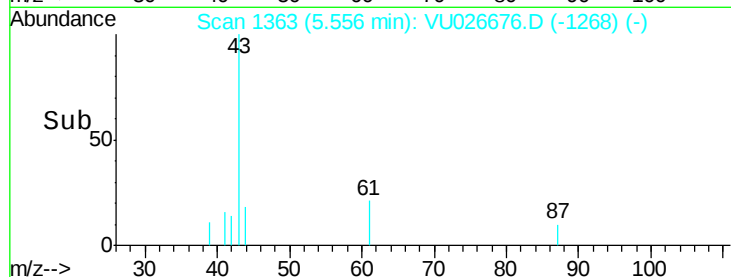
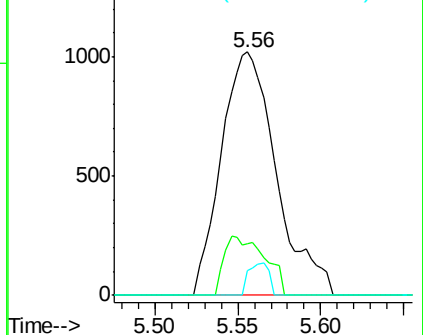
87 4.8 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VU026676.D (-1268) (-)

Ion 61.00 (60.70 to 61.70): VU026676.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VU026676.D (-1268) (-)



#44

Trichloroethene

Concen: 0.87 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU026676.D

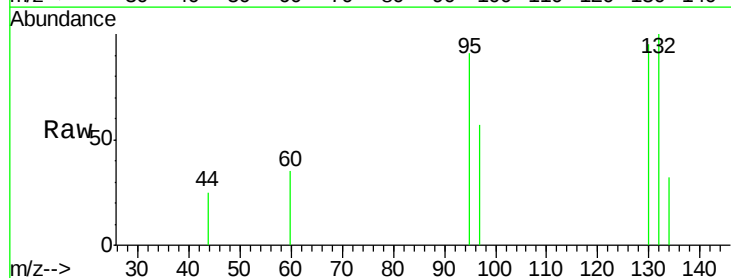
Acq: 11 Sep 2018 10:34

Tgt Ion: 130 Resp: 1100

Ion Ratio Lower Upper

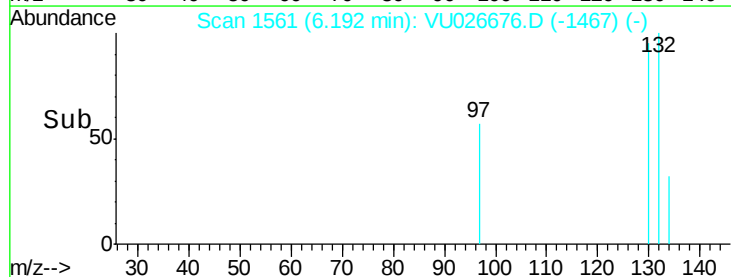
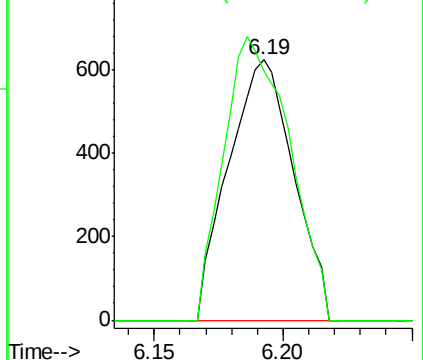
130 100

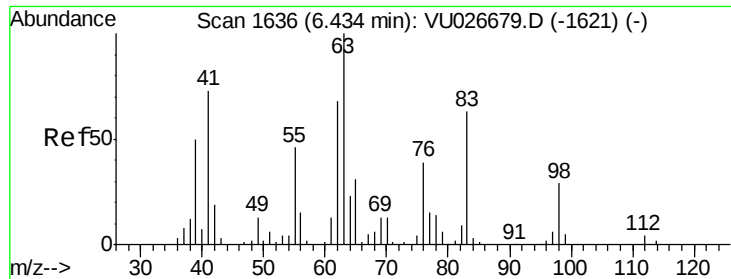
95 95.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VU026676.D (-1467) (-)

Ion 94.90 (94.60 to 95.60): VU026676.D (-1467) (-)





#45

1,2-Dichloropropane

Concen: 0.83 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

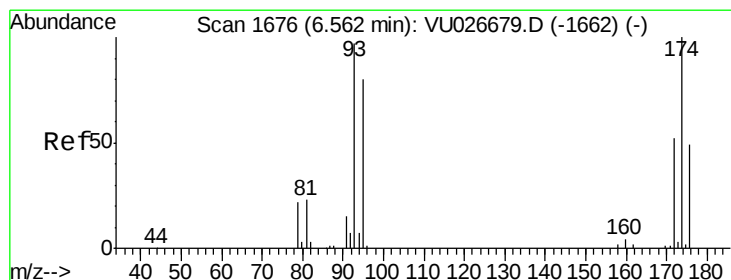
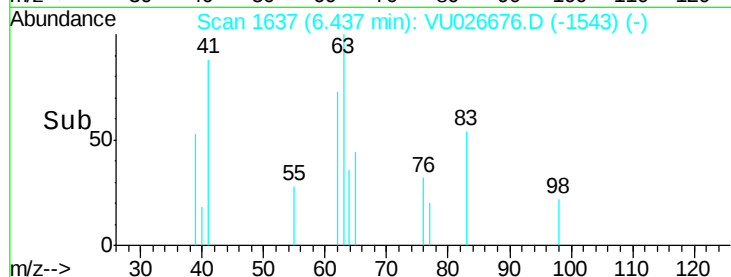
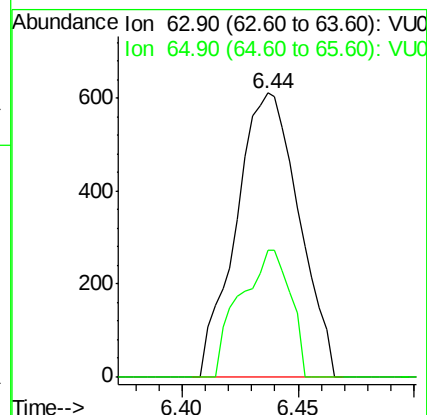
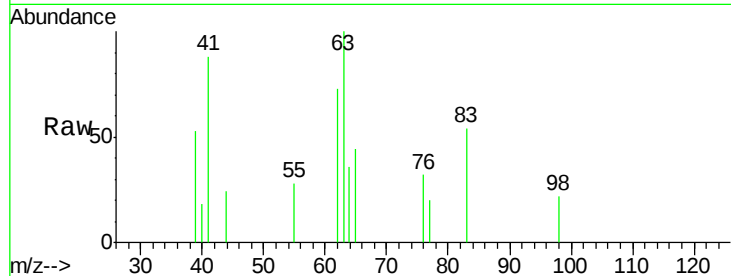
VSTDIC001

Tot Ion: 63 Resp: 1149

Ion Ratio Lower Upper

63 100

65 44.4 25.0 37.4#



#46

Dibromomethane

Concen: 0.78 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

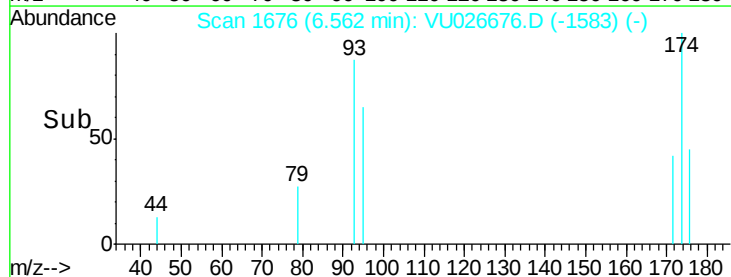
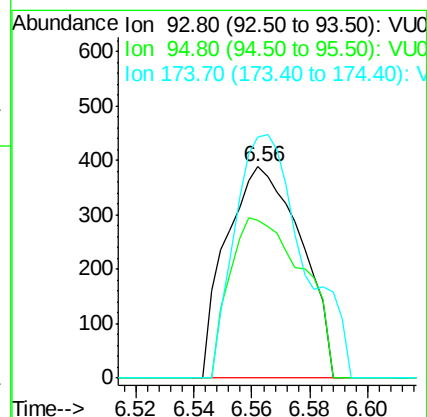
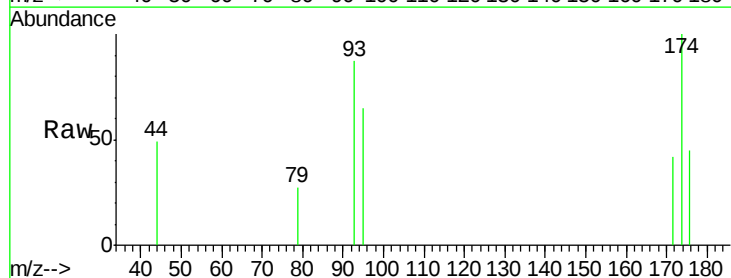
Tgt Ion: 93 Resp: 698

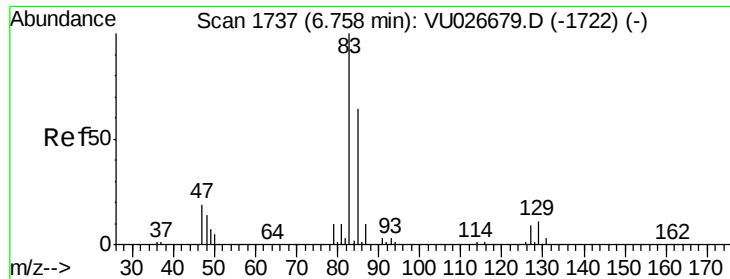
Ion Ratio Lower Upper

93 100

95 73.8 65.4 98.2

174 105.2 81.6 122.4





#47

Bromodichloromethane

Concen: 0.85 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

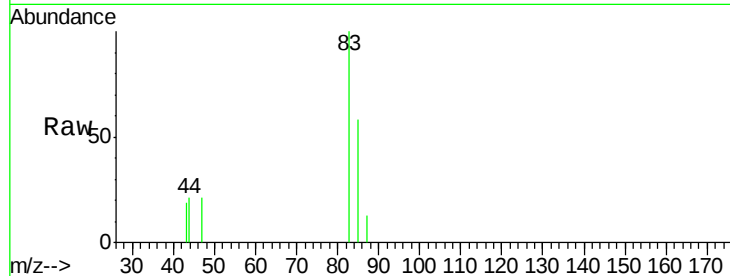
Tot Ion: 83 Resp: 1488

Ion Ratio Lower Upper

83 100

85 58.4 51.1 76.7

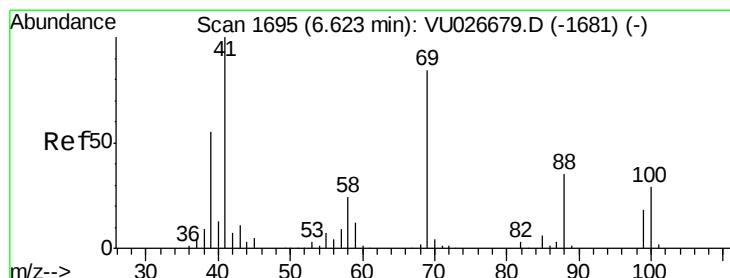
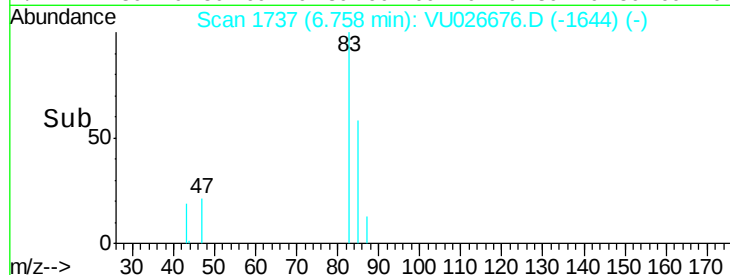
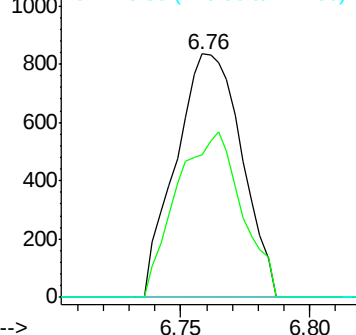
127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.69 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

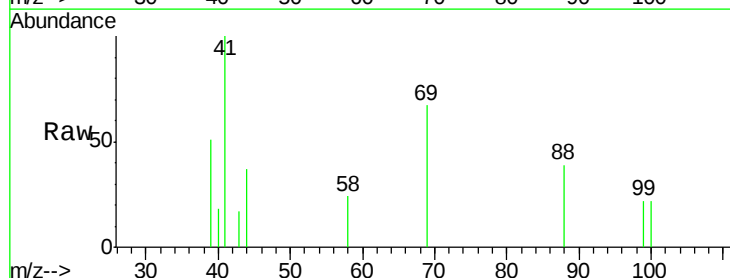
Tgt Ion: 41 Resp: 1017

Ion Ratio Lower Upper

41 100

69 73.5 66.6 99.8

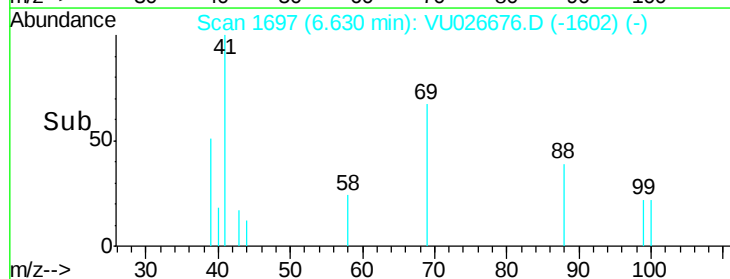
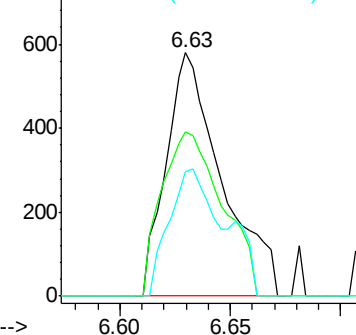
39 43.6 43.6 65.4#

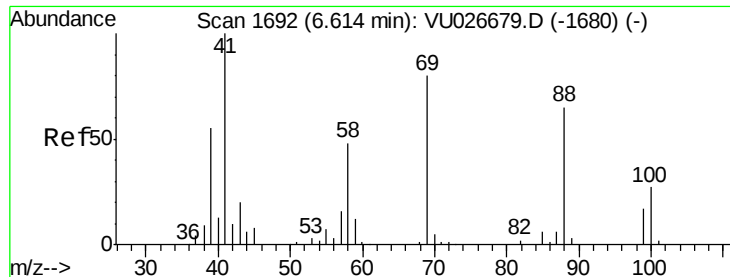


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 14.08 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

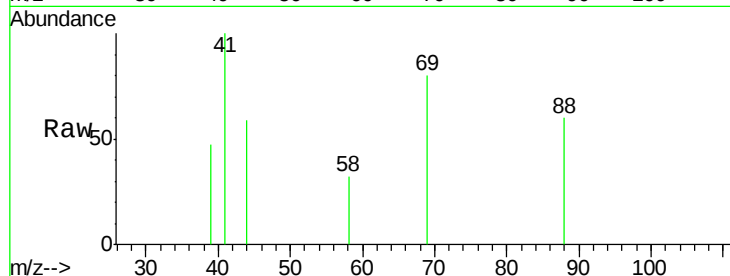
Tot Ion: 88 Resp: 483

Ion Ratio Lower Upper

88 100

43 0.0 25.5 38.3#

58 30.4 58.2 87.4#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

6.62

250

200

150

100

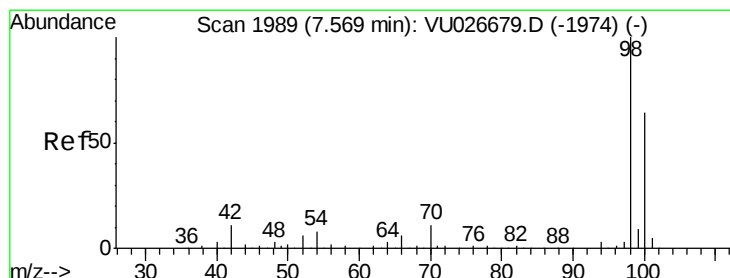
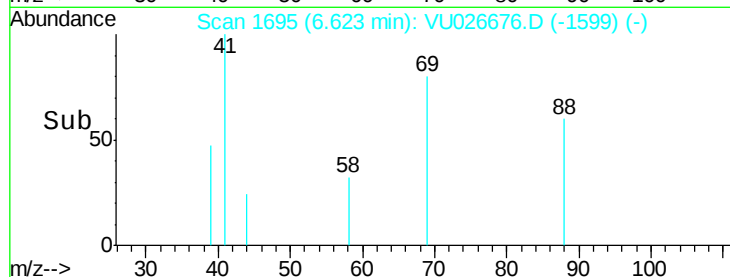
50

0

6.60

6.65

Time-->



#50

Toluene-d8

Concen: 0.93 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU026676.D

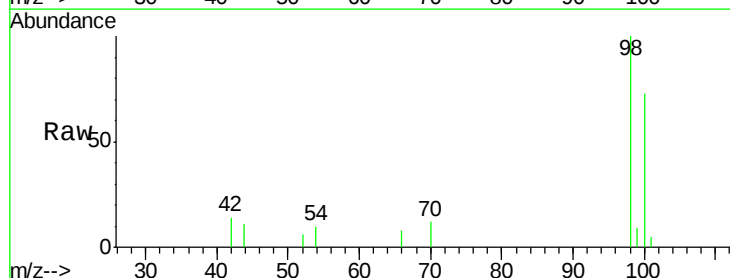
Acq: 11 Sep 2018 10:34

Tgt Ion: 98 Resp: 4072

Ion Ratio Lower Upper

98 100

100 69.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

2500

2000

1500

1000

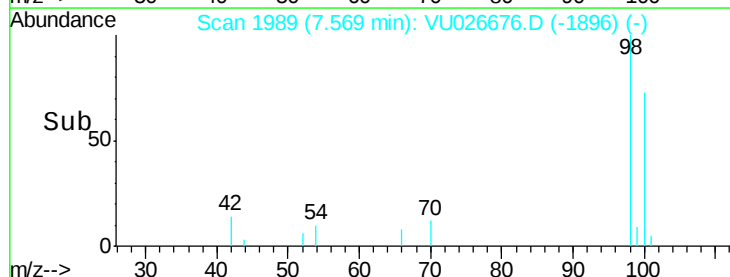
500

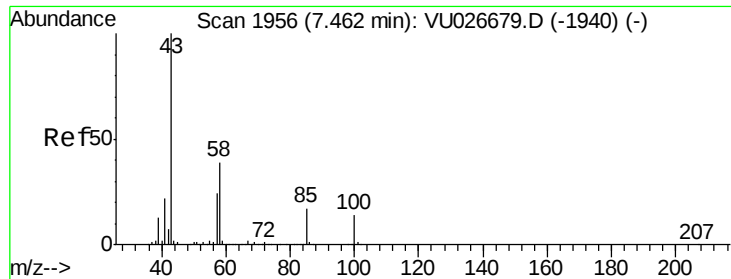
0

7.55

7.60

Time-->





#51

4-Methyl-2-Pentanone

Concen: 3.83 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

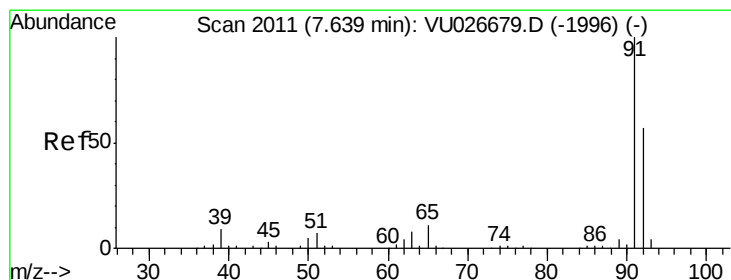
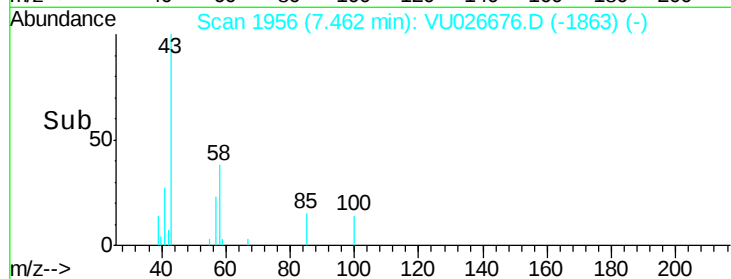
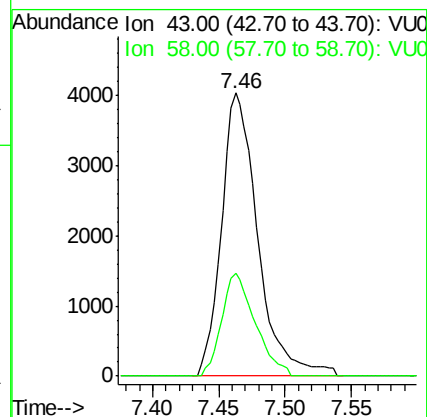
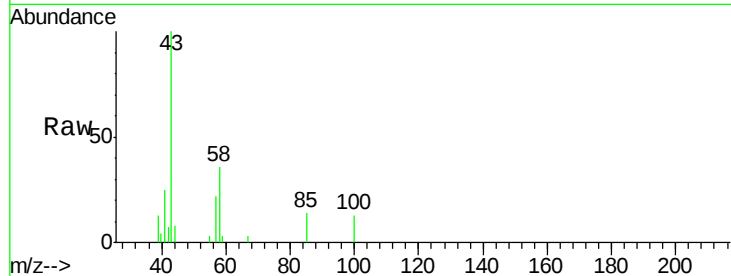
VSTDIC001

Tot Ion: 43 Resp: 7677

Ion Ratio Lower Upper

43 100

58 33.4 31.1 46.7



#52

Toluene

Concen: 0.77 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026676.D

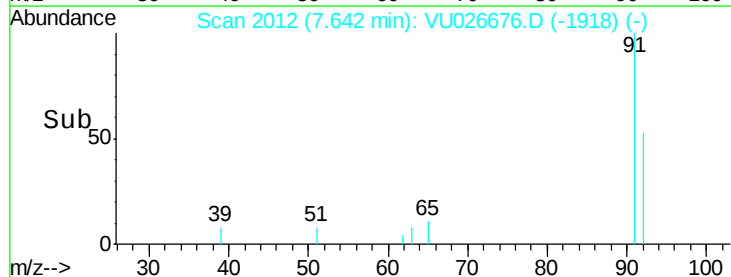
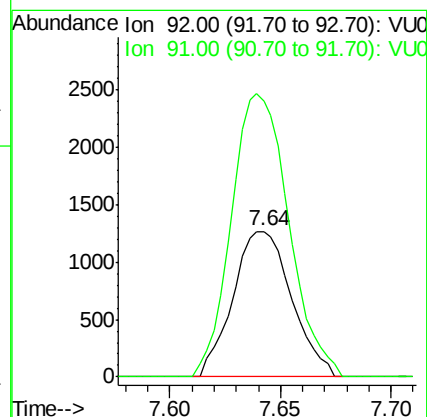
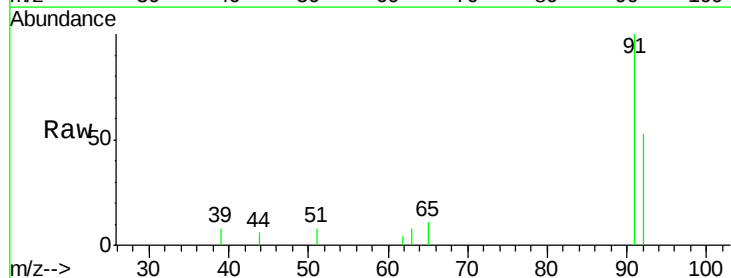
Acq: 11 Sep 2018 10:34

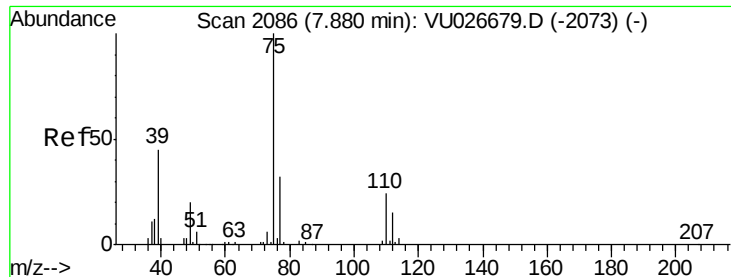
Tgt Ion: 92 Resp: 2332

Ion Ratio Lower Upper

92 100

91 190.5 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 0.80 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

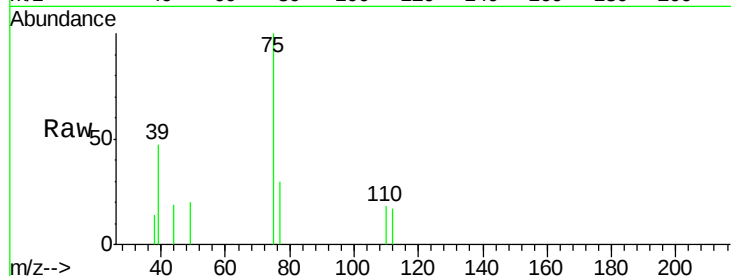
VSTDIC001

Tot Ion: 75 Resp: 1563

Ion Ratio Lower Upper

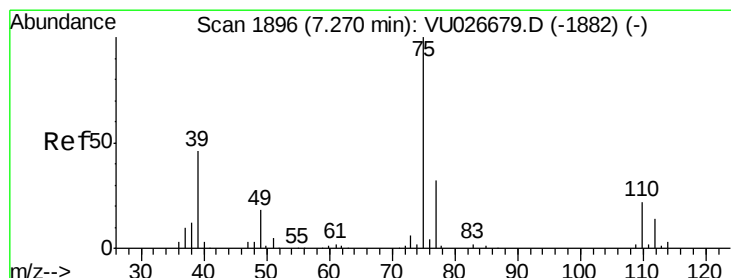
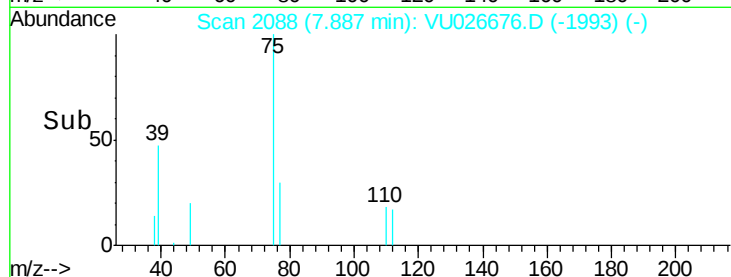
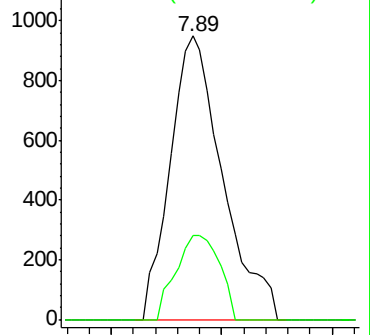
75 100

77 29.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 0.81 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

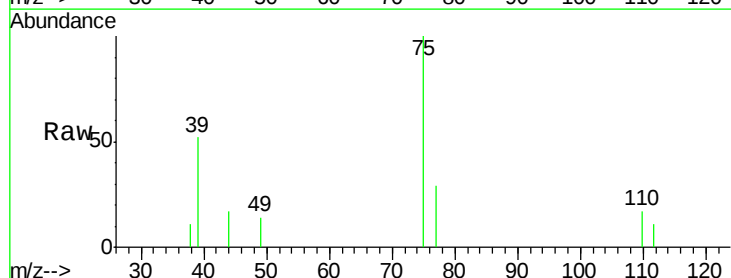
Tgt Ion: 75 Resp: 1698

Ion Ratio Lower Upper

75 100

77 29.2 25.5 38.3

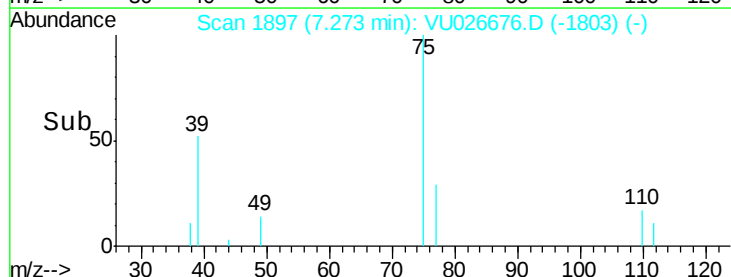
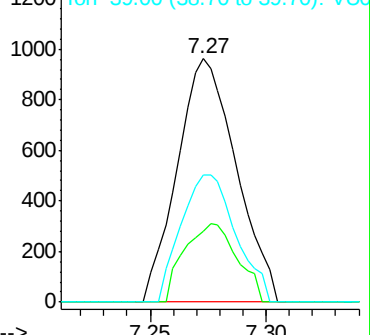
39 52.3 37.0 55.6

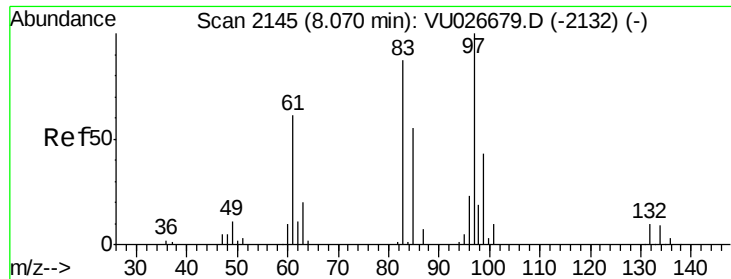


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

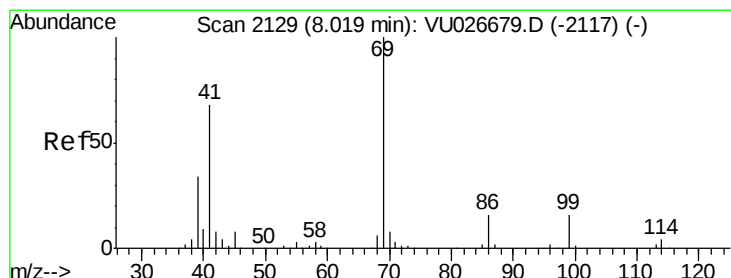
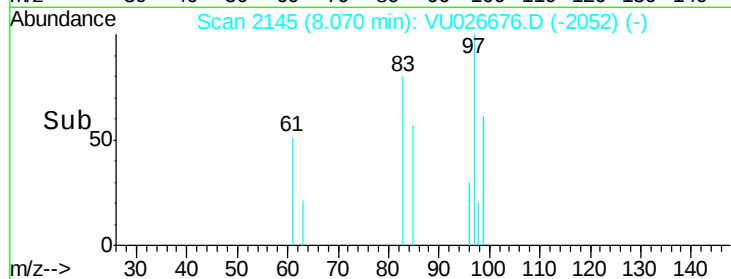
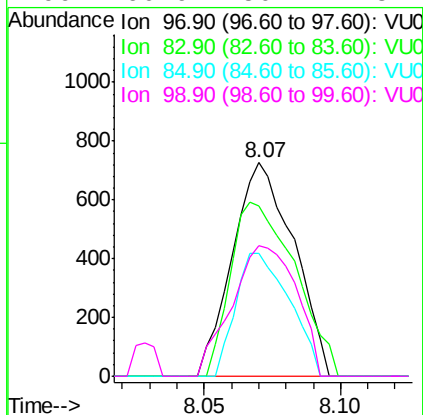
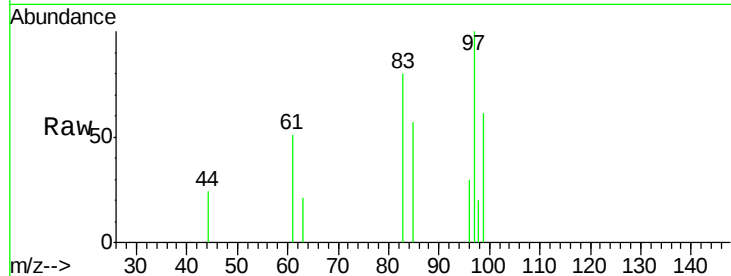




#55
 1,1,2-Trichloroethane
 Concen: 0.87 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

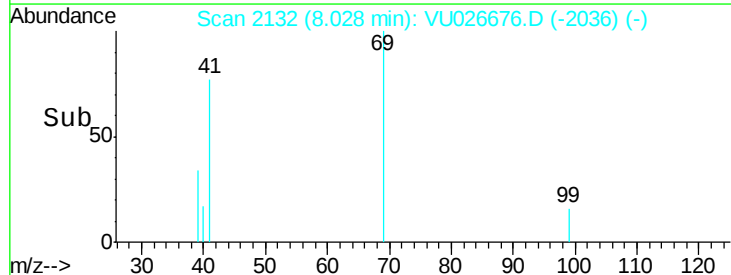
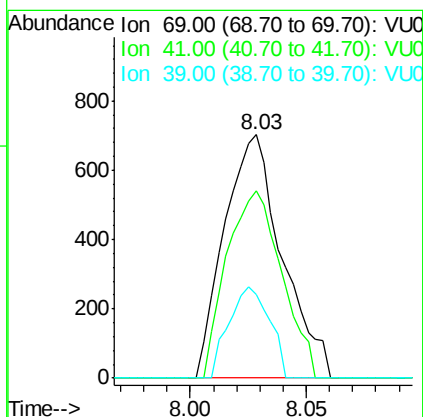
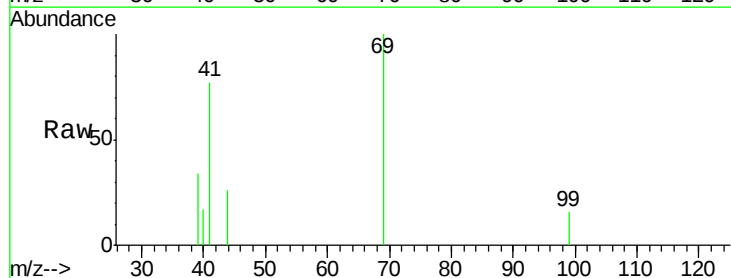
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

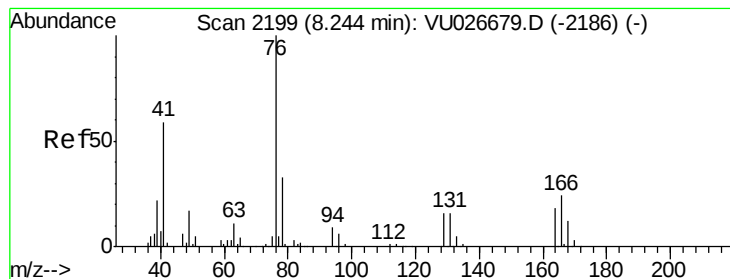
Tot Ion:	97	Resp:	1135
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.3	103.9
85	57.5	45.9	68.9
99	60.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 0.64 ug/l
 RT: 8.03 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion:	69	Resp:	1214
Ion	Ratio	Lower	Upper
69	100		
41	73.1	54.2	81.2
39	26.4	28.4	42.6#





#57

1,3-Dichloropropane

Concen: 0.80 ug/l

RT: 8.25 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

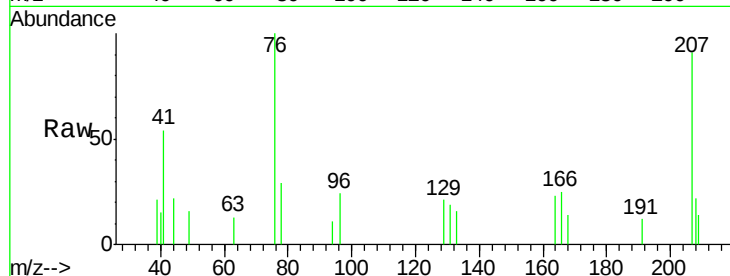
VSTDIC001

Tot Ion: 76 Resp: 1759

Ion Ratio Lower Upper

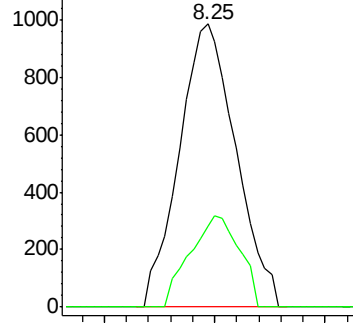
76 100

78 28.1 26.0 39.0

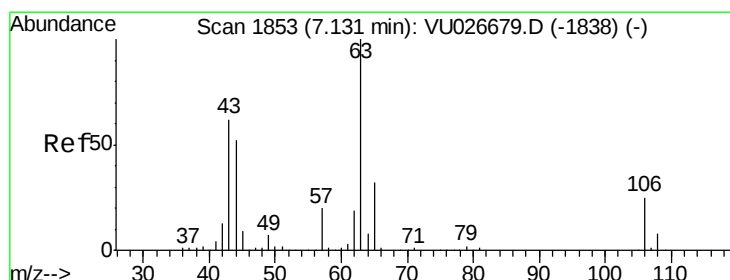
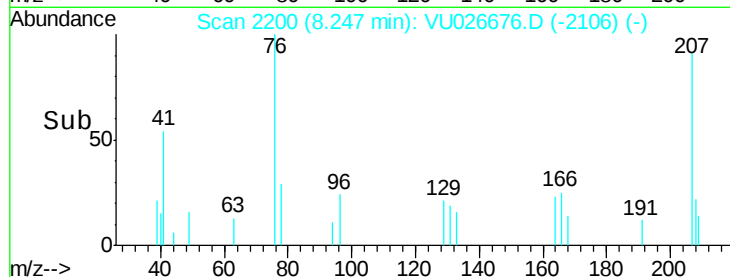


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 3.66 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VU026676.D

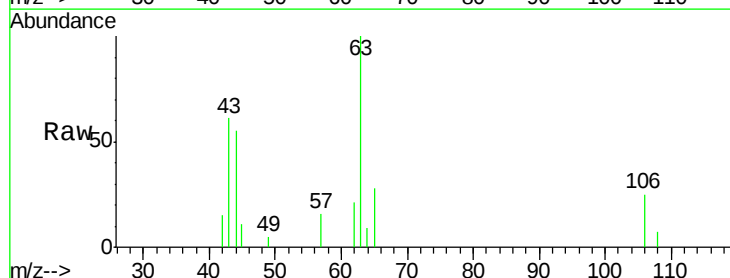
Acq: 11 Sep 2018 10:34

Tgt Ion: 63 Resp: 3418

Ion Ratio Lower Upper

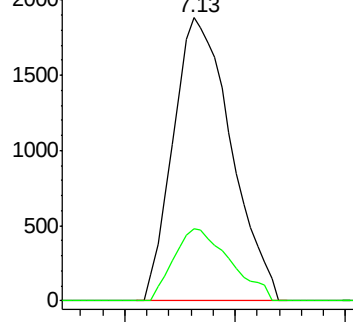
63 100

106 24.8 20.5 30.7

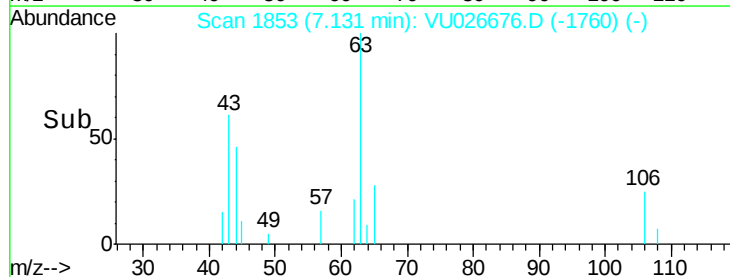


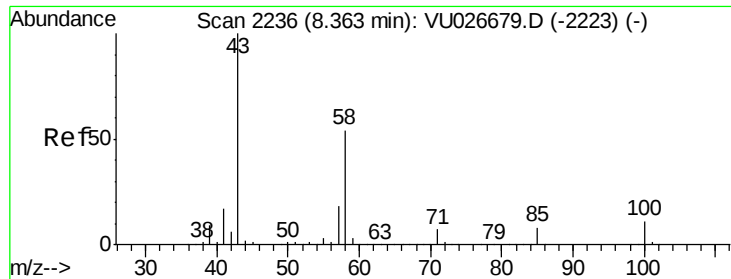
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V



Time-->

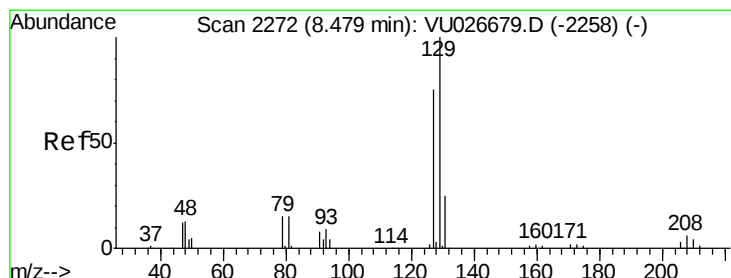
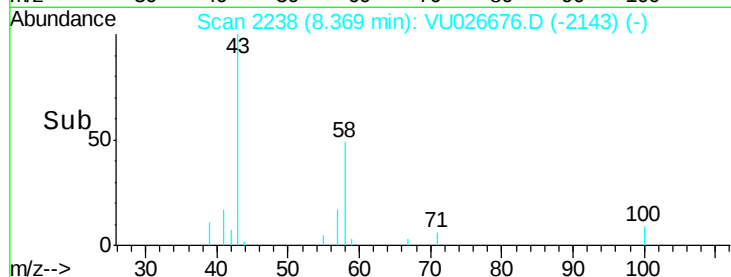
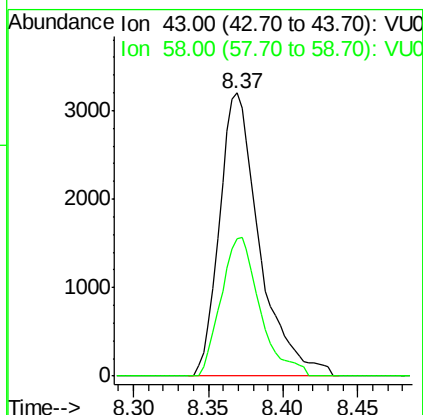
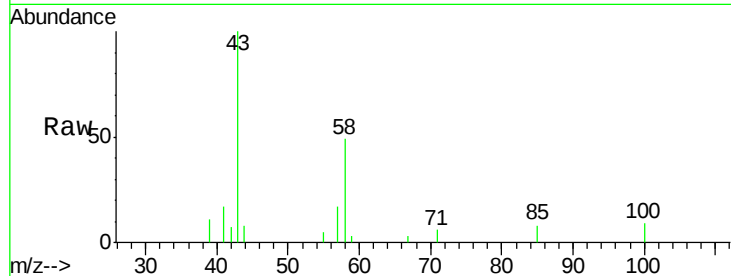




#59
2-Hexanone
Concen: 3.78 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

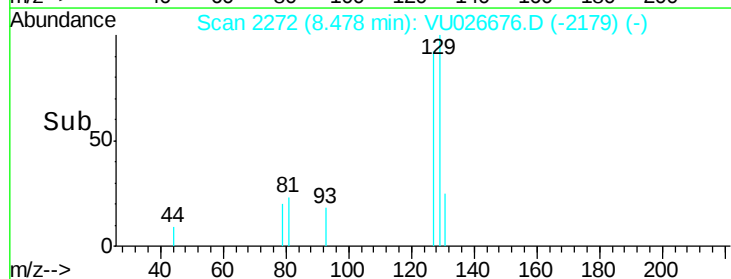
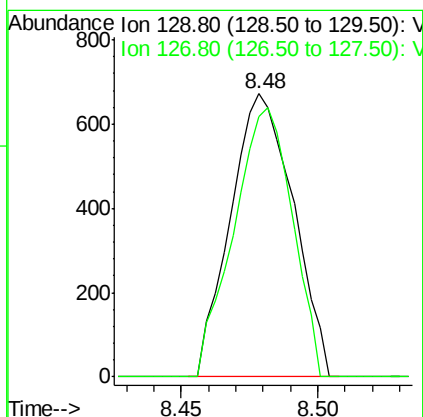
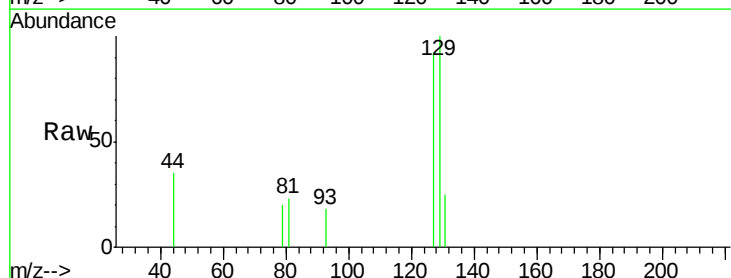
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

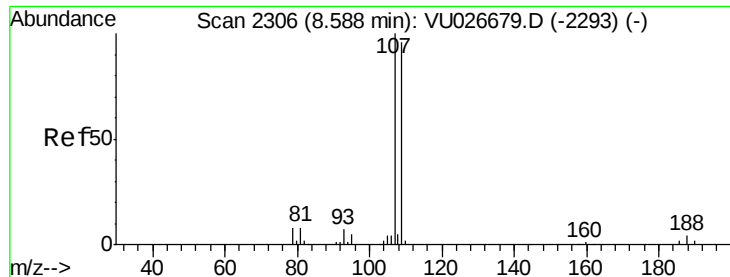
Tot Ion: 43 Resp: 5959
Ion Ratio Lower Upper
43 100
58 47.6 26.9 80.7



#60
Dibromochloromethane
Concen: 0.76 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 129 Resp: 1074
Ion Ratio Lower Upper
129 100
127 88.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 0.88 ug/l

RT: 8.59 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

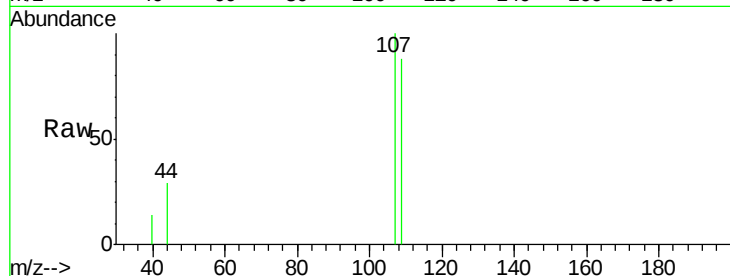
VSTDIC001

Tot Ion:107 Resp: 1240

Ion Ratio Lower Upper

107 100

109 89.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

800

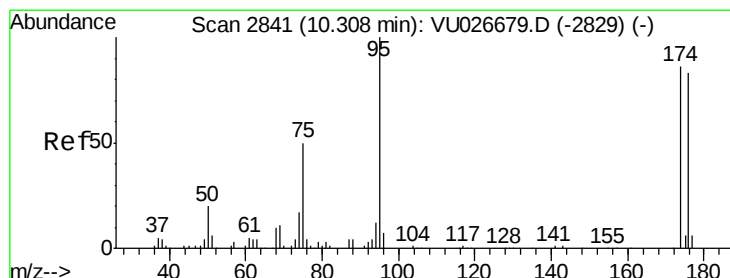
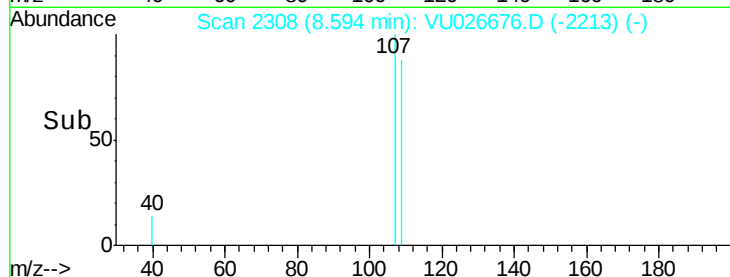
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 0.87 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

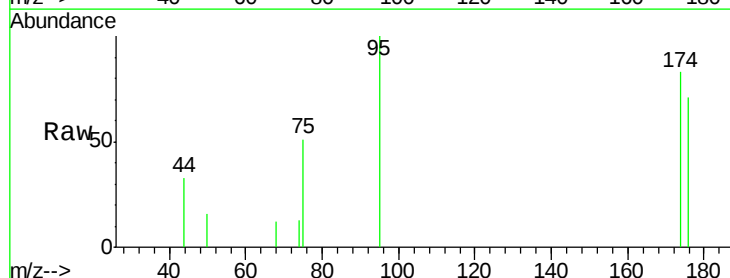
Tgt Ion: 95 Resp: 1380

Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.8

176 77.9 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1200

1000

800

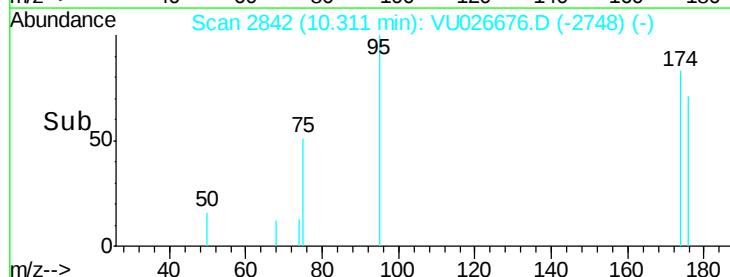
600

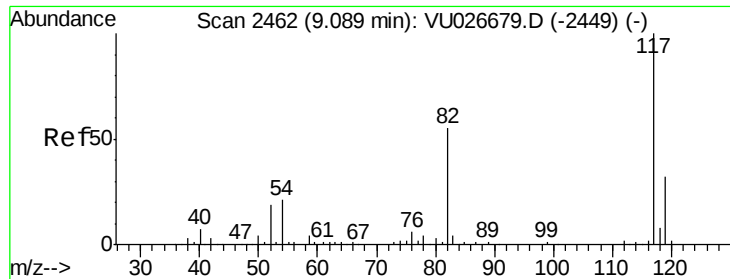
400

200

0

Time-->

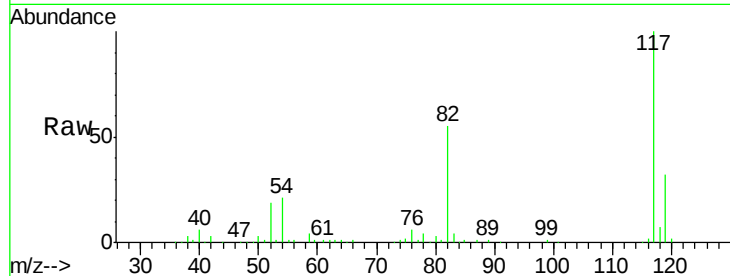




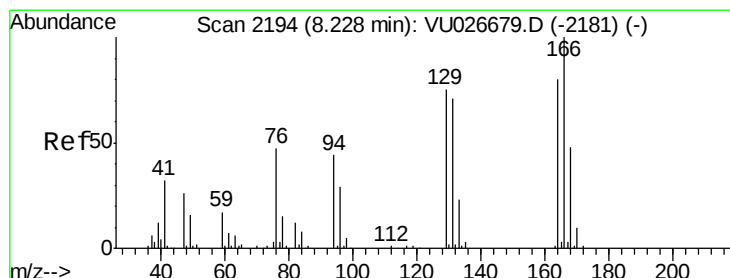
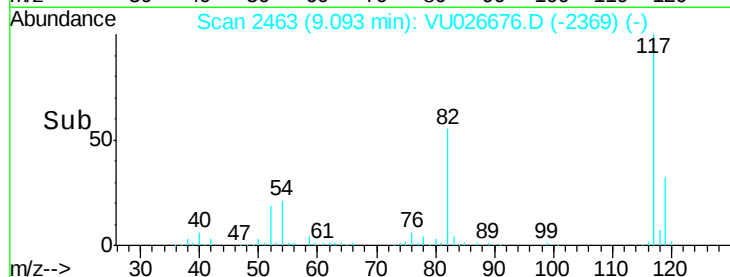
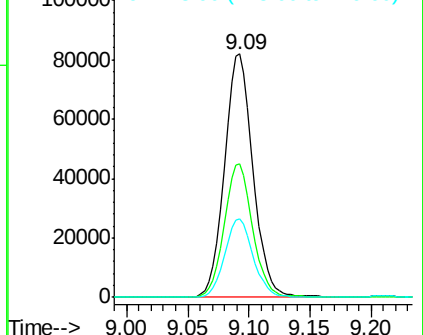
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 134320
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.2 25.7 38.5

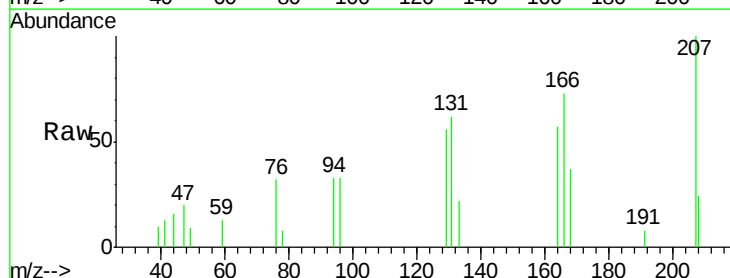


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

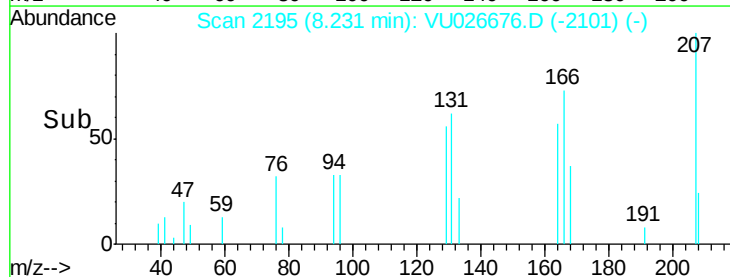
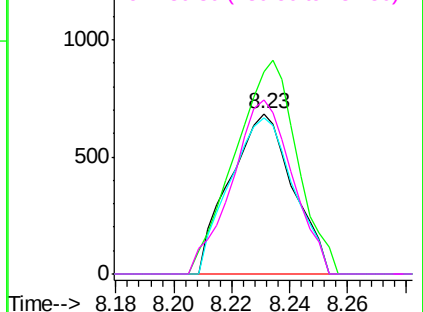


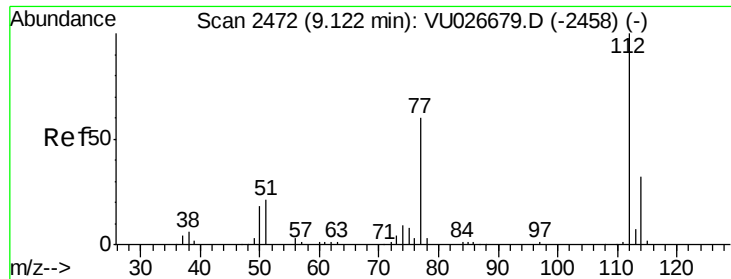
#64
Tetrachloroethene
Concen: 0.97 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion:164 Resp: 1035
Ion Ratio Lower Upper
164 100
166 126.5 100.5 150.7
129 97.8 75.3 112.9
131 108.5 71.4 107.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

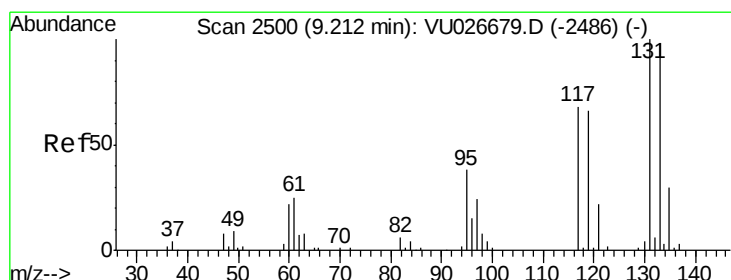
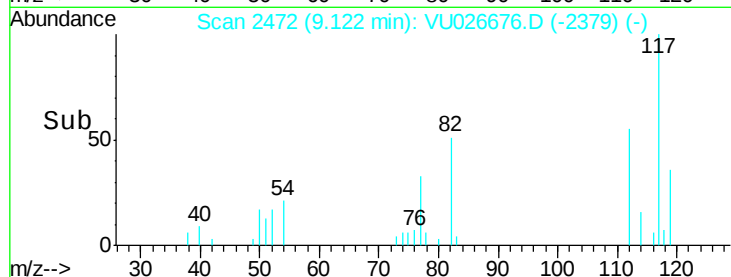
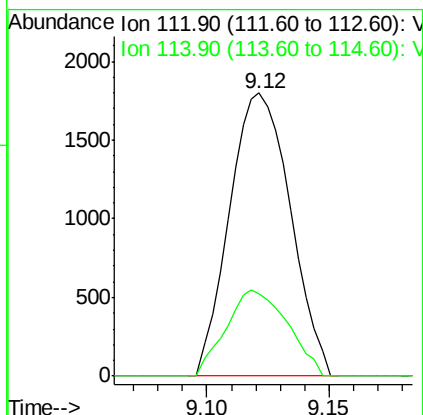
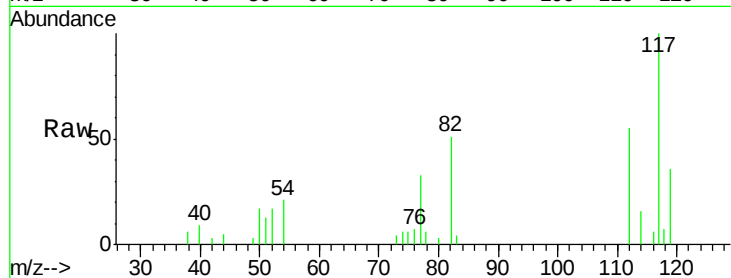




#65
Chlorobenzene
Concen: 0.93 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

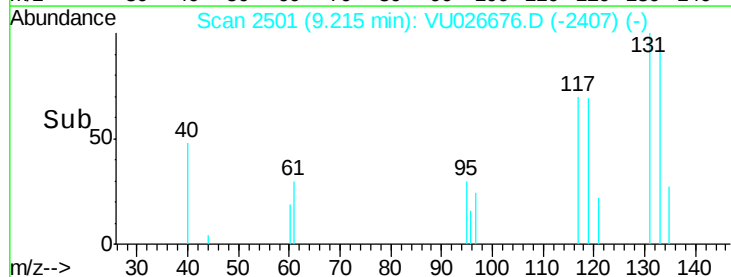
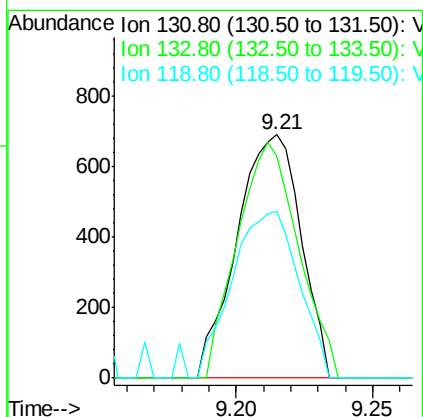
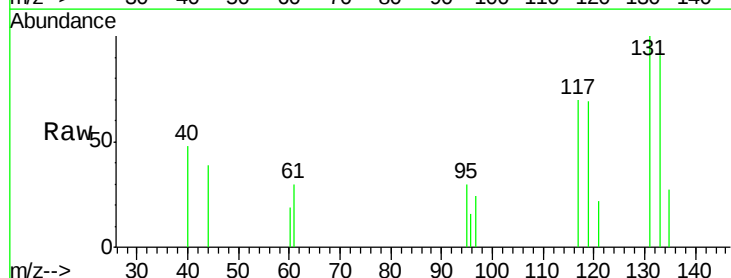
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

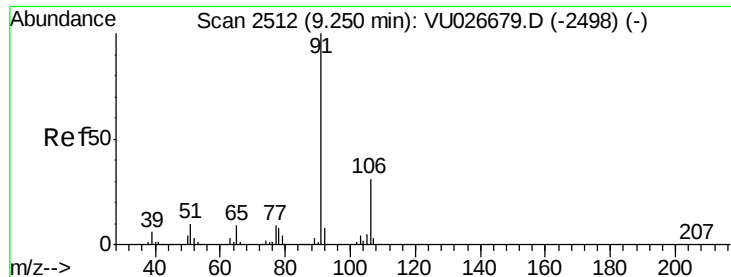
Tot Ion:112 Resp: 3117
Ion Ratio Lower Upper
112 100
114 29.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 0.91 ug/l
RT: 9.21 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion:131 Resp: 1123
Ion Ratio Lower Upper
131 100
133 92.6 48.9 146.6
119 0.0 32.7 98.1#

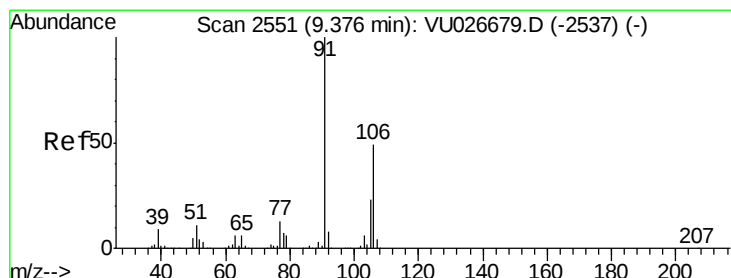
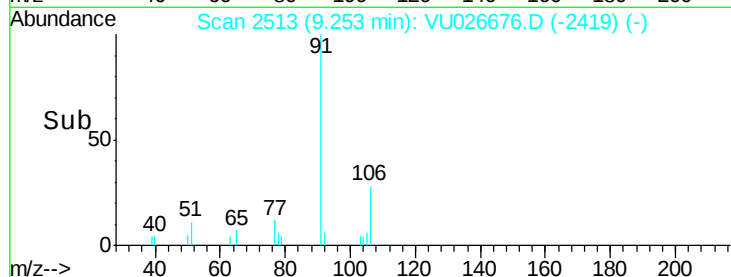
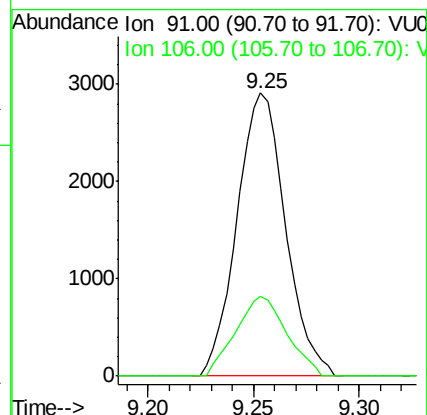
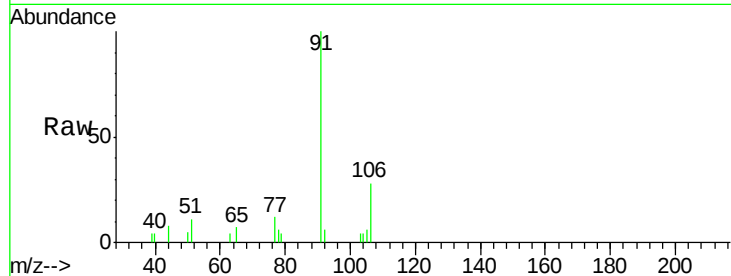




#67
Ethyl Benzene
Concen: 0.85 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

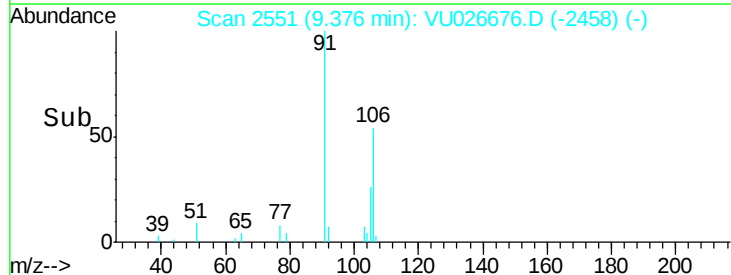
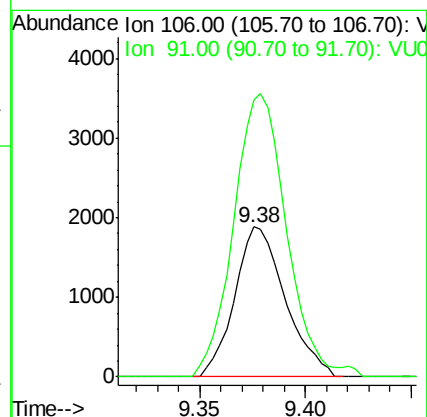
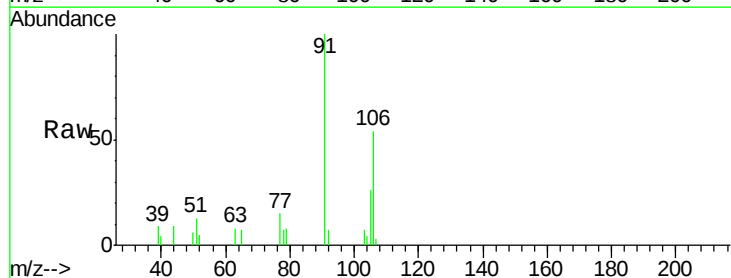
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

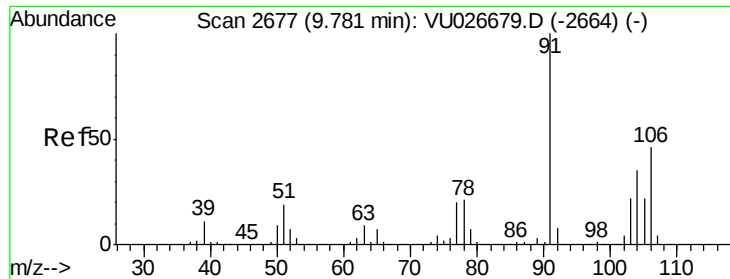
Tot Ion: 91 Resp: 4647
Ion Ratio Lower Upper
91 100
106 28.1 25.0 37.4



#68
m/p-Xylenes
Concen: 1.50 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 106 Resp: 3139
Ion Ratio Lower Upper
106 100
91 197.3 162.1 243.1

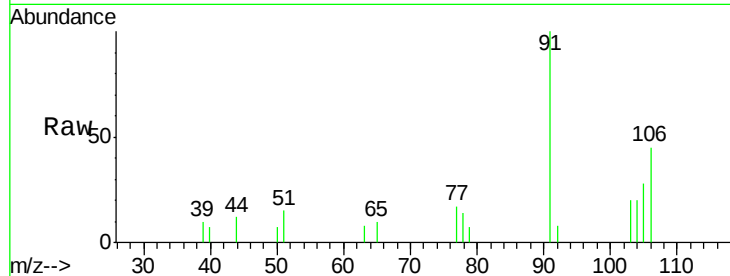




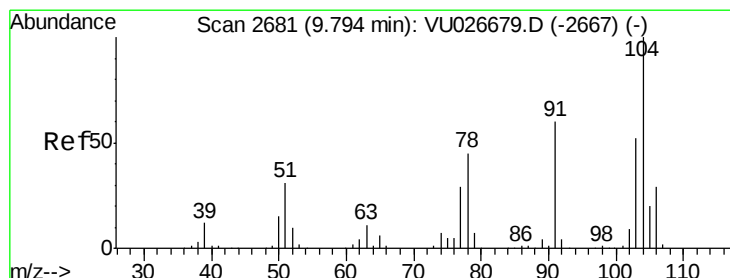
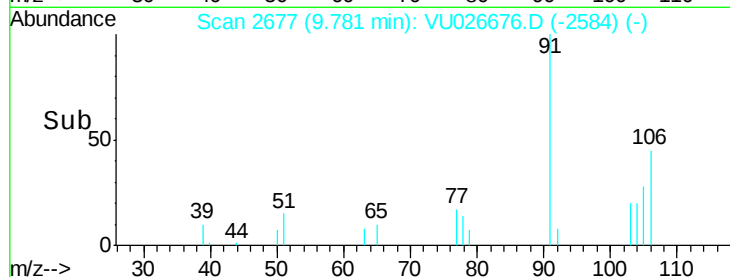
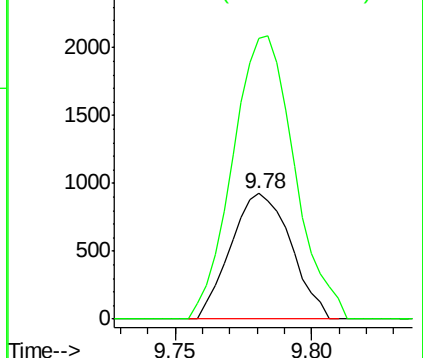
#69
o-Xylene
Concen: 0.70 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 1422
Ion Ratio Lower Upper
106 100
91 230.8 106.9 320.8

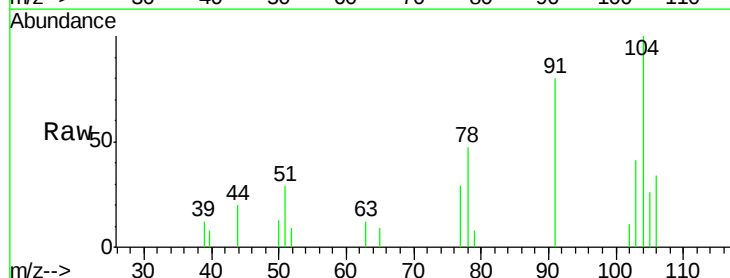


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

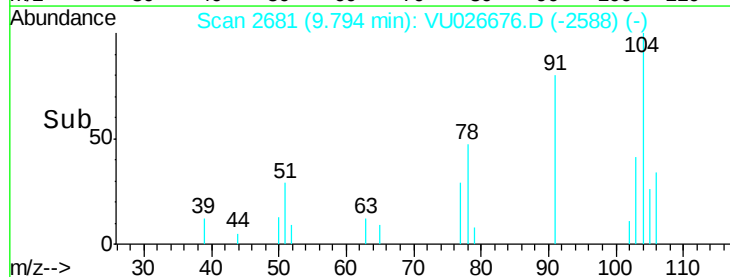
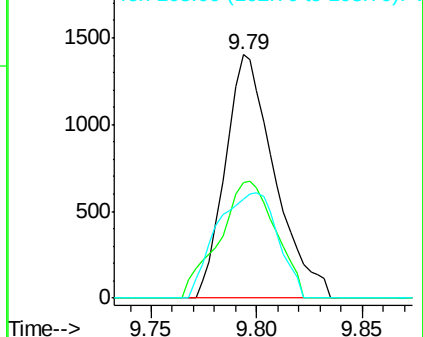


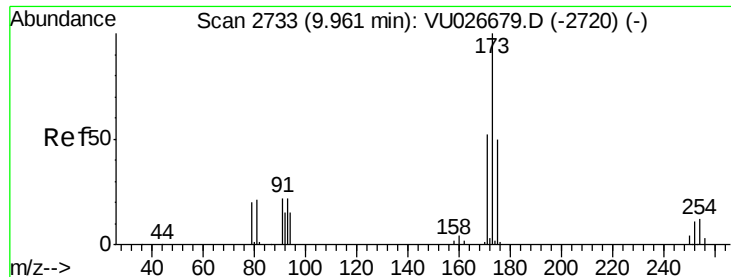
#70
Styrene
Concen: 0.68 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion:104 Resp: 2277
Ion Ratio Lower Upper
104 100
78 54.9 39.4 59.2
103 53.8 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.76 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

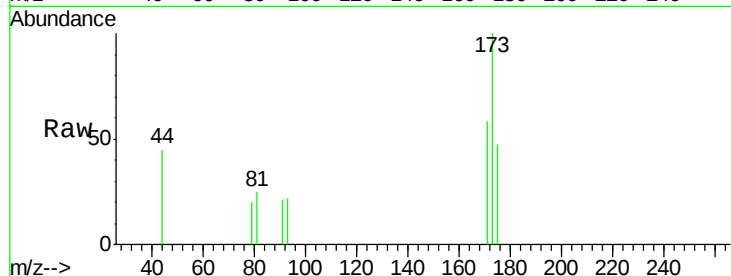
Tot Ion:173 Resp: 809

Ion Ratio Lower Upper

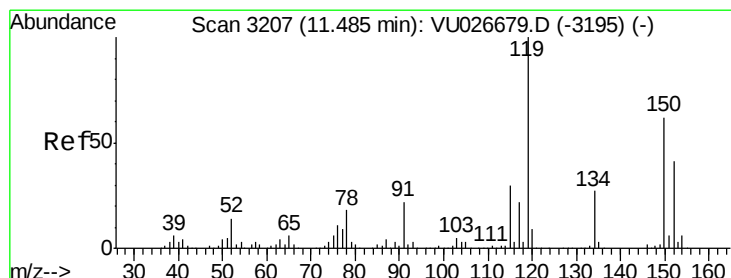
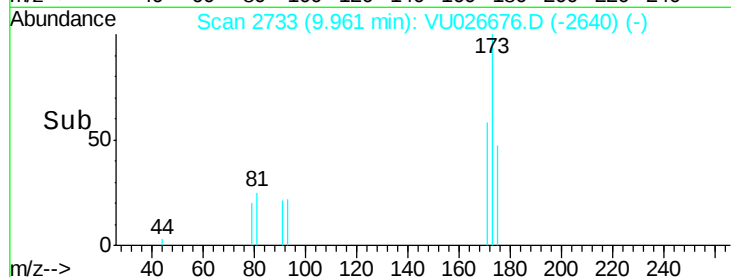
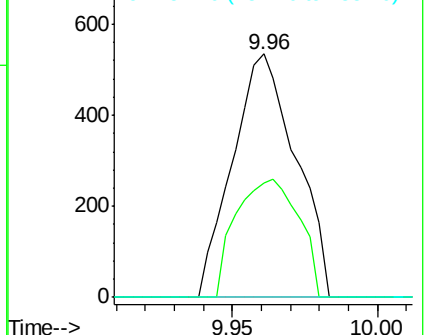
173 100

175 48.3 24.7 74.1

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

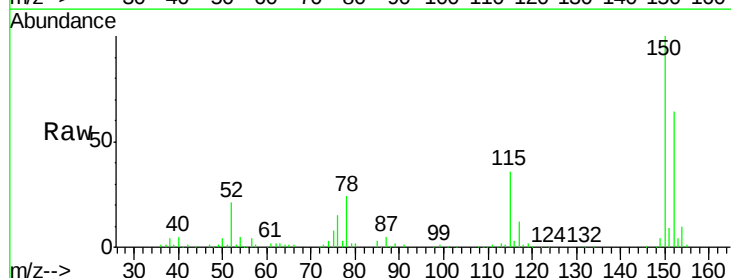
Tgt Ion:152 Resp: 65482

Ion Ratio Lower Upper

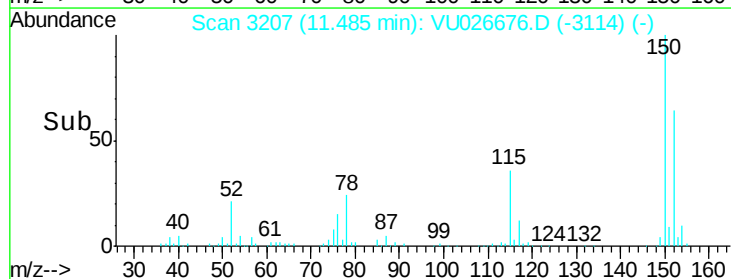
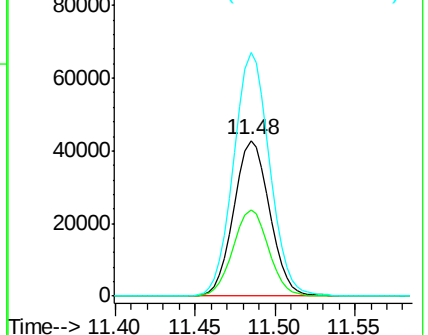
152 100

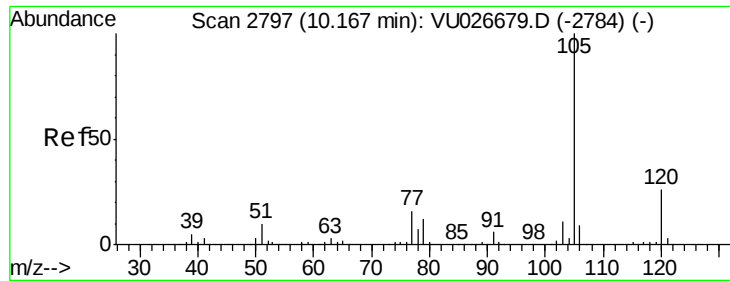
115 55.3 40.4 121.1

150 157.5 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.80 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

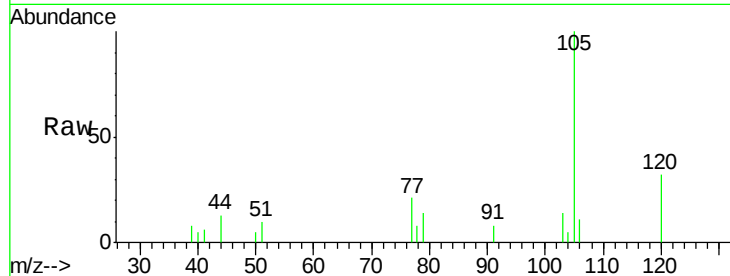
VSTDIC001

Tot Ion:105 Resp: 3586

Ion Ratio Lower Upper

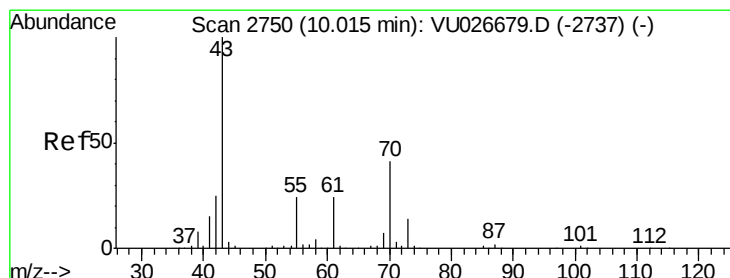
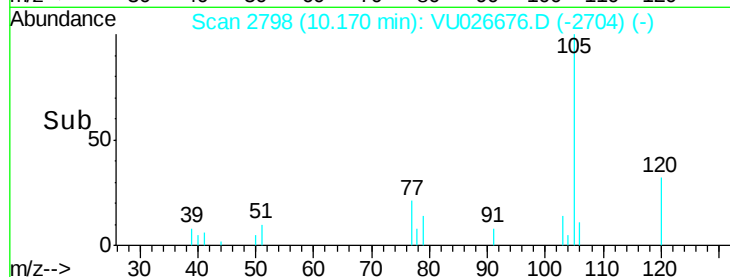
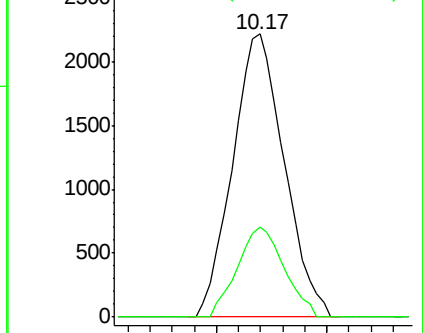
105 100

120 28.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.74 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion: 43 Resp: 1559

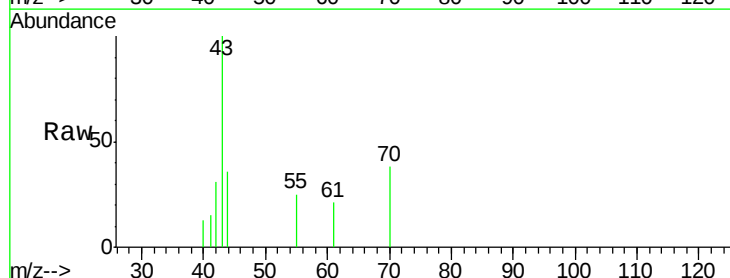
Ion Ratio Lower Upper

43 100

70 37.2 32.6 48.8

55 19.8 19.1 28.7

61 17.2 19.4 29.0#

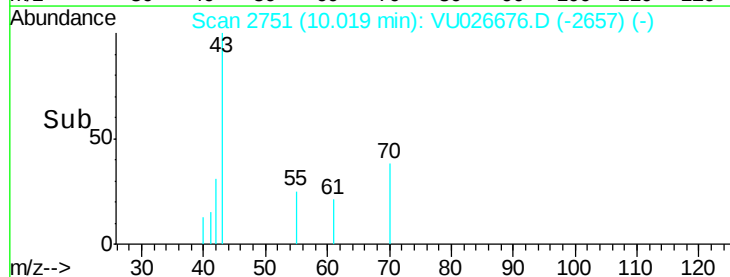
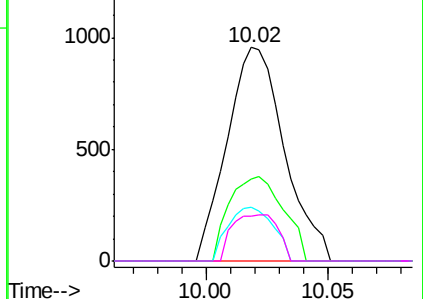


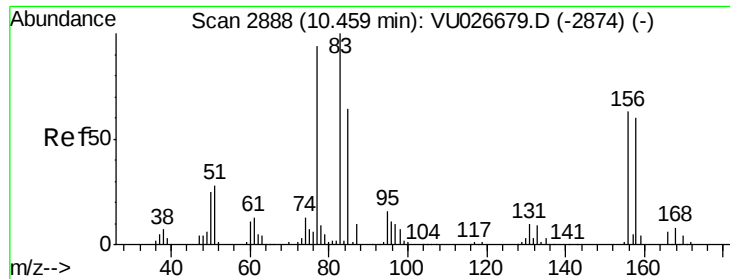
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.06 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

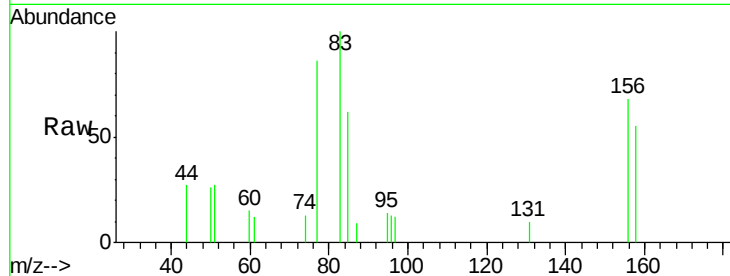
Tot Ion: 83 Resp: 1934

Ion Ratio Lower Upper

83 100

131 3.7 4.9 14.6#

85 58.9 32.3 96.9

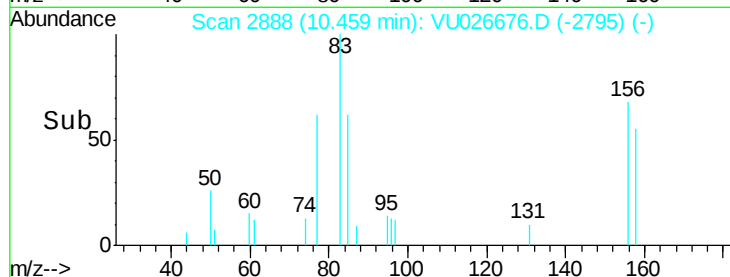


Abundance Ion 82.90 (82.60 to 83.60): VU026679.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU026679.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU026679.D (-2874) (-)

Time--> 10.40 10.45 10.50

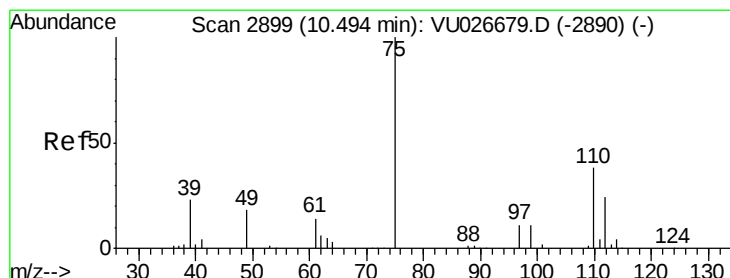


Abundance Ion 82.90 (82.60 to 83.60): VU026679.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU026679.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU026679.D (-2874) (-)

Time--> 10.40 10.45 10.50



#76

1,2,3-Trichloropropane

Concen: 1.12 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026676.D

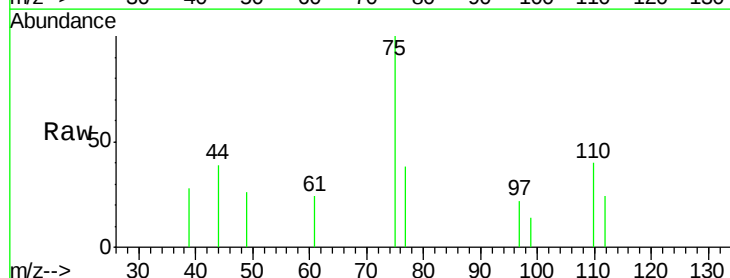
Acq: 11 Sep 2018 10:34

Tgt Ion: 75 Resp: 1859

Ion Ratio Lower Upper

75 100

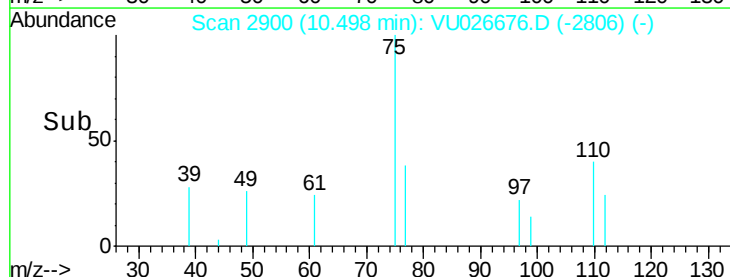
77 0.0 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VU026679.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026679.D (-2890) (-)

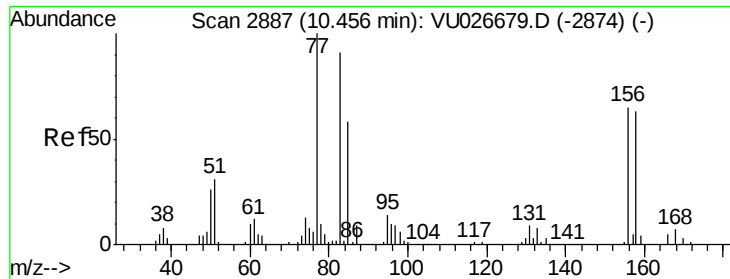
Time--> 10.45 10.50 10.55



Abundance Ion 74.90 (74.60 to 75.60): VU026679.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026679.D (-2890) (-)

Time--> 10.45 10.50 10.55



#77

Bromobenzene

Concen: 0.98 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

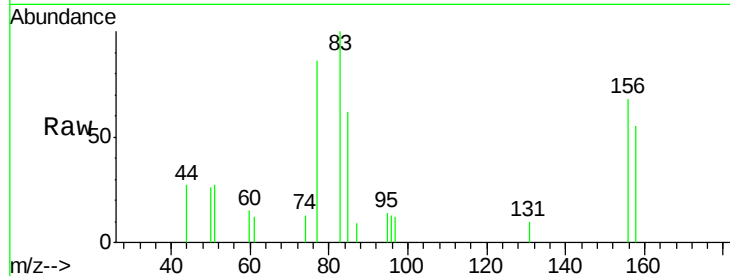
Tot Ion:156 Resp: 1184

Ion Ratio Lower Upper

156 100

77 146.5 77.6 232.9

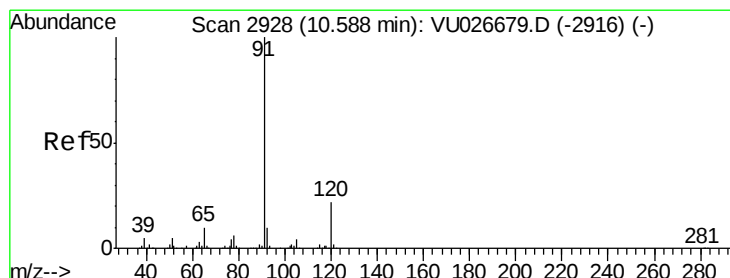
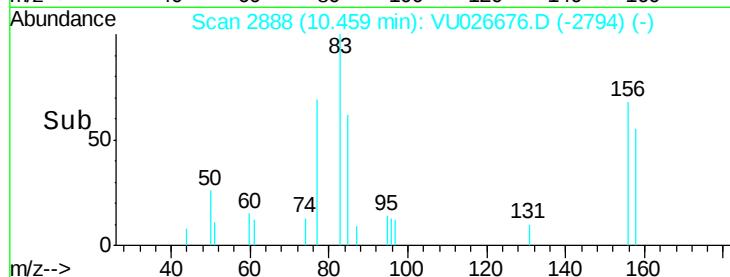
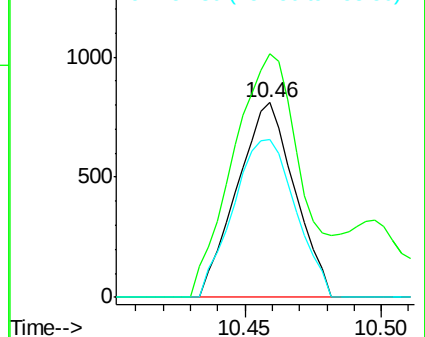
158 87.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.74 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026676.D

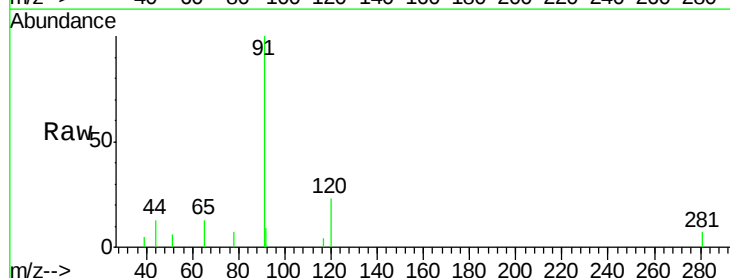
Acq: 11 Sep 2018 10:34

Tgt Ion: 91 Resp: 3855

Ion Ratio Lower Upper

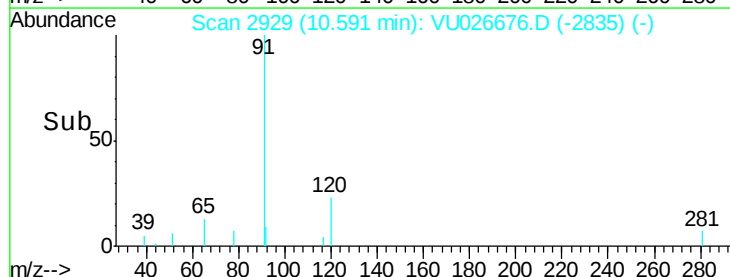
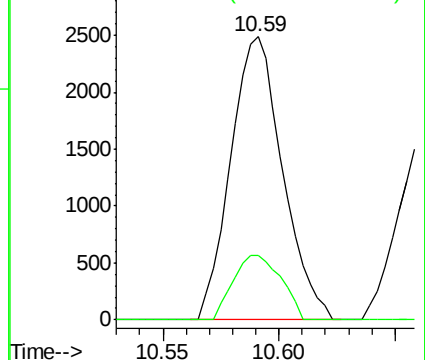
91 100

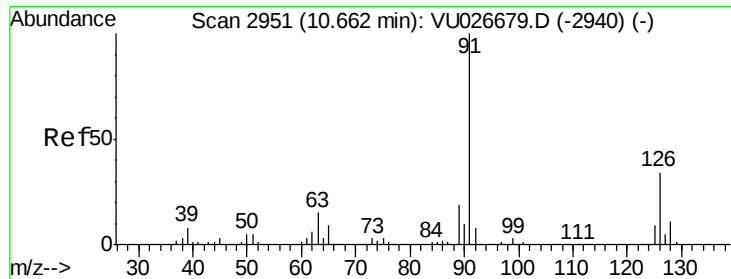
120 21.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

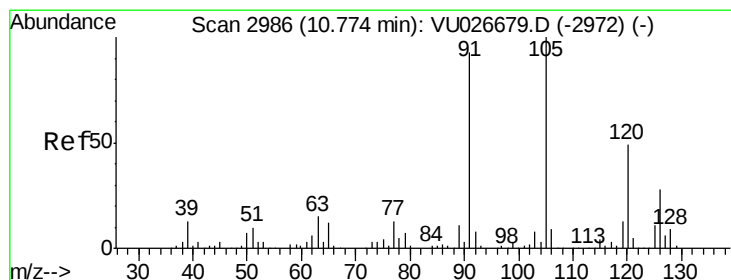
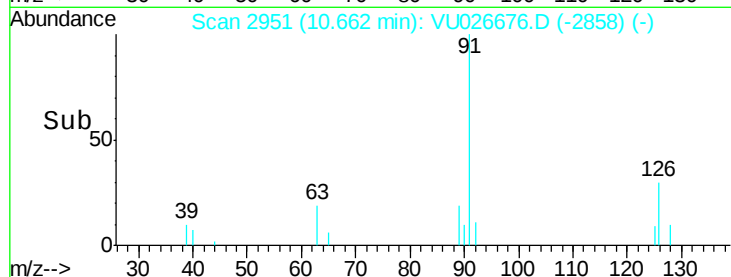
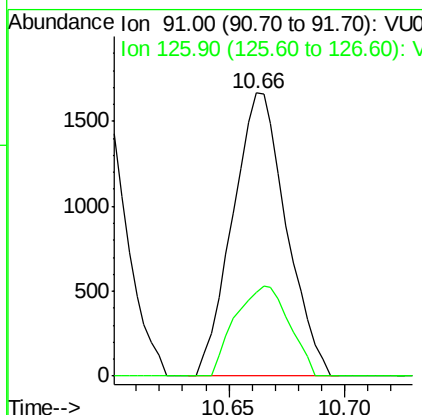
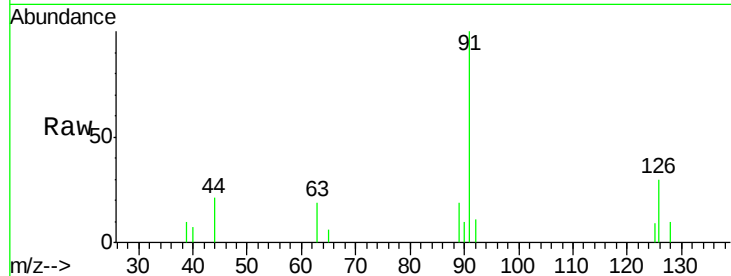




#79
 2-Chlorotoluene
 Concen: 0.84 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

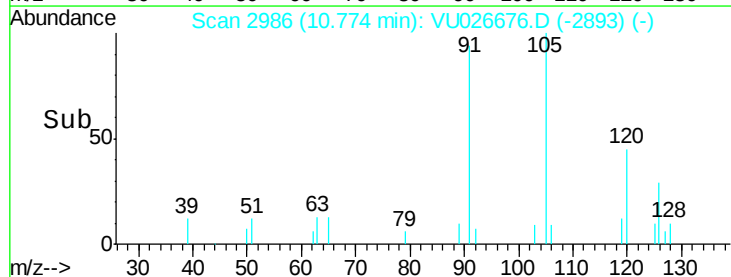
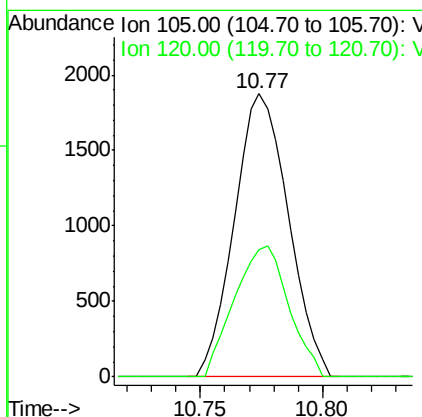
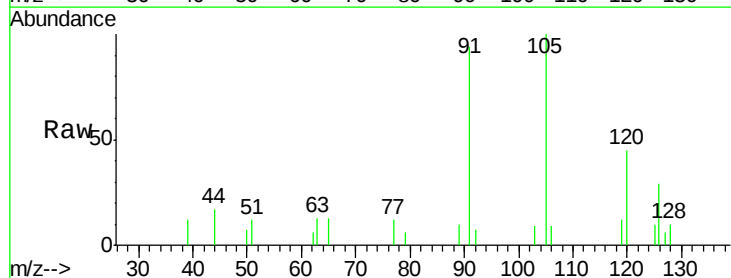
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

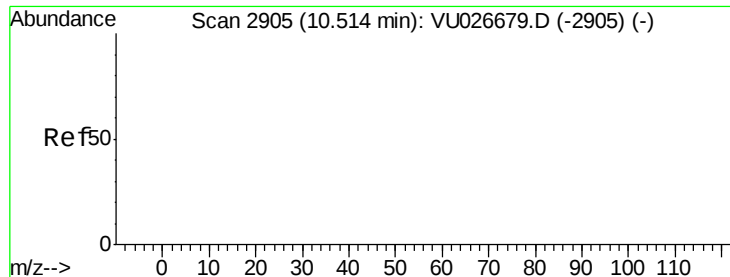
Tot Ion: 91 Resp: 2687
 Ion Ratio Lower Upper
 91 100
 126 32.0 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.77 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 105 Resp: 2879
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.49 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

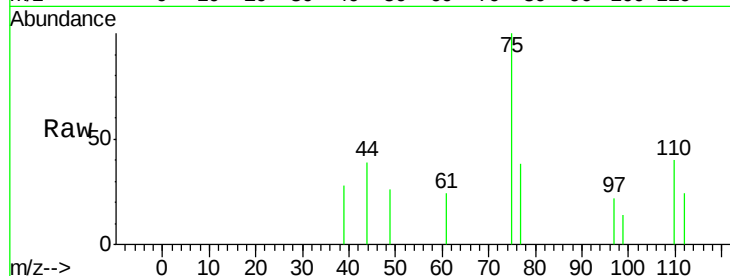
Tot Ion: 75 Resp: 1859

Ion Ratio Lower Upper

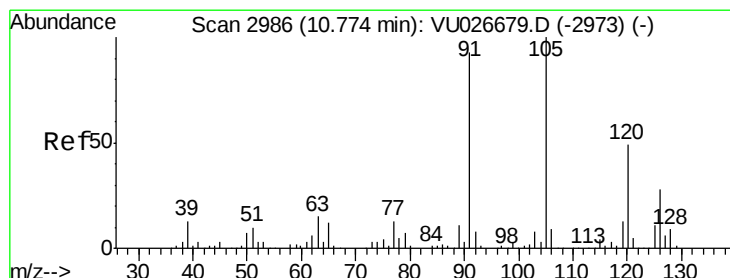
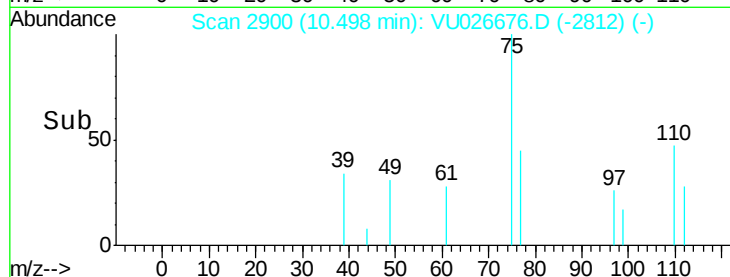
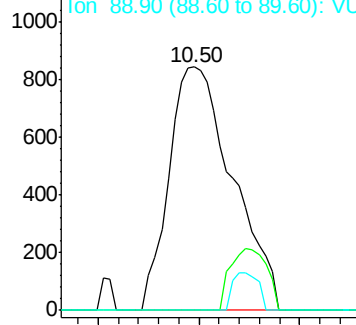
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 0.76 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.00 min

Lab File: VU026676.D

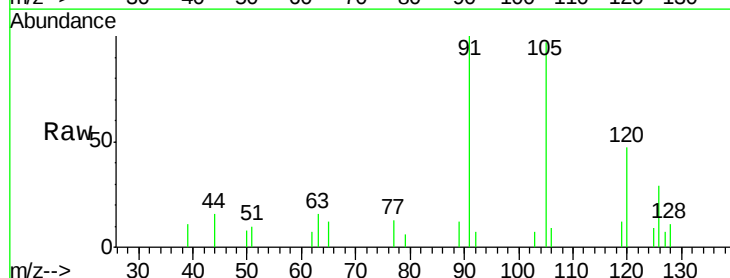
Acq: 11 Sep 2018 10:34

Tgt Ion: 91 Resp: 2730

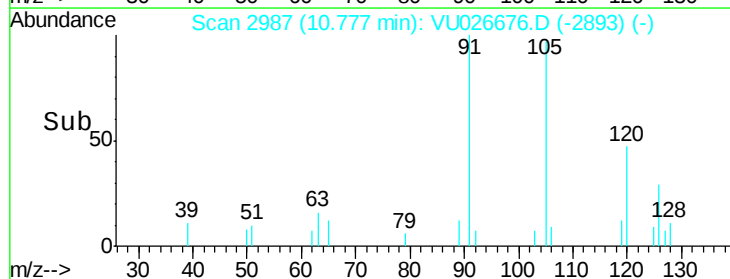
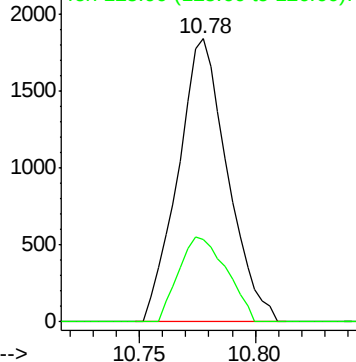
Ion Ratio Lower Upper

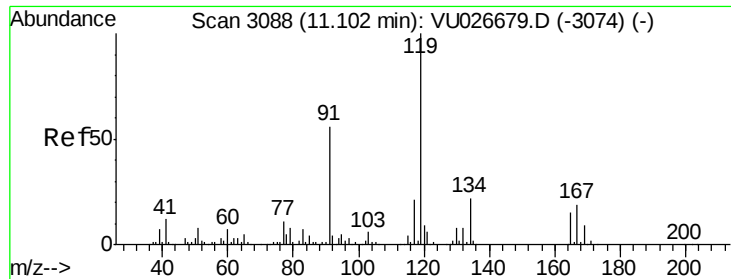
91 100

126 28.9 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

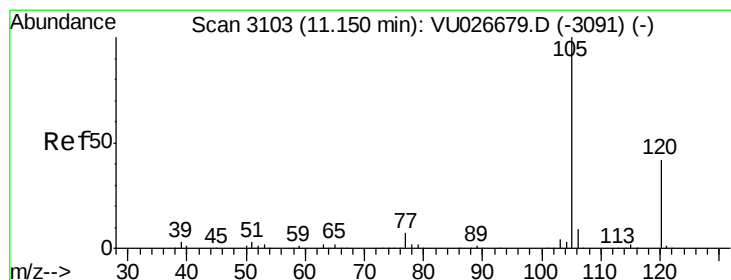
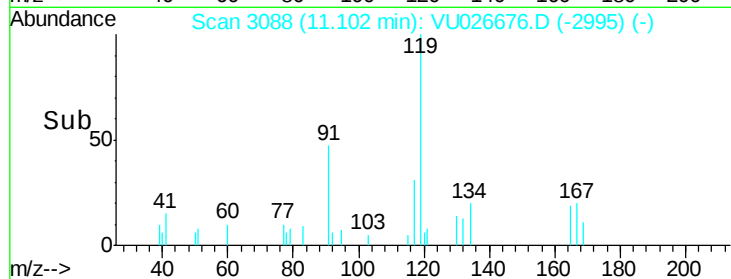
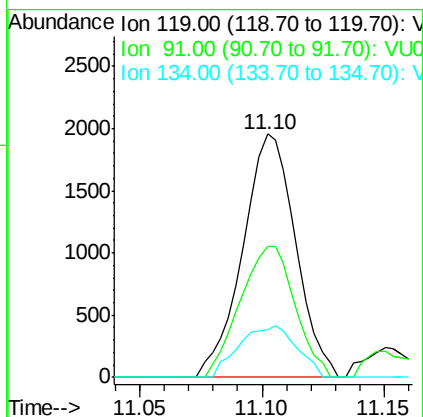
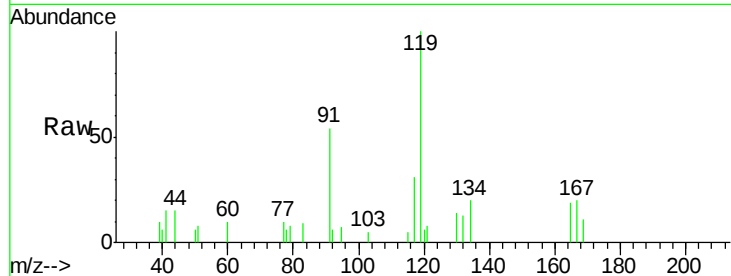




#83
 tert-Butylbenzene
 Concen: 0.77 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

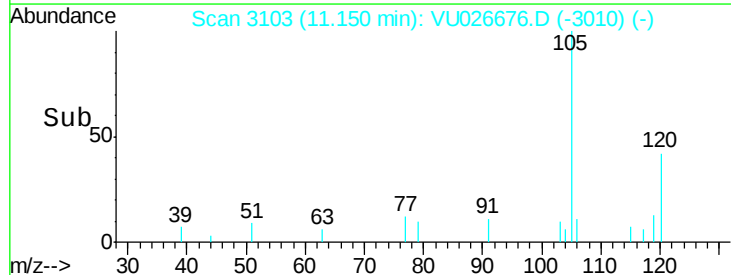
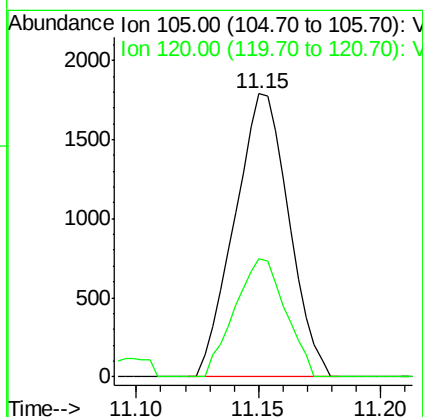
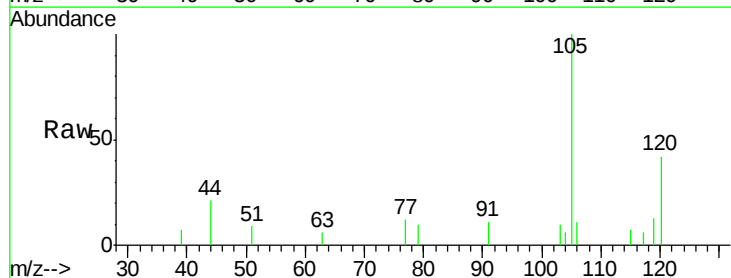
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

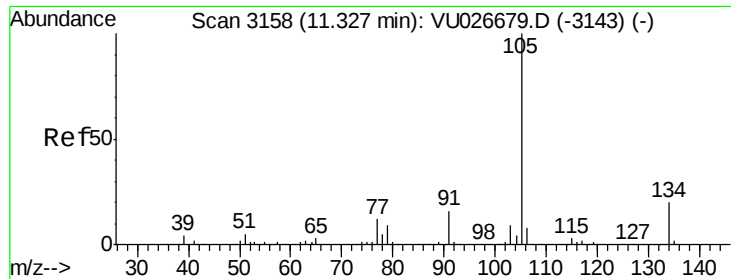
Tot Ion:119 Resp: 2934
 Ion Ratio Lower Upper
 119 100
 91 55.9 28.3 85.0
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.73 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion:105 Resp: 2760
 Ion Ratio Lower Upper
 105 100
 120 39.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 0.74 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

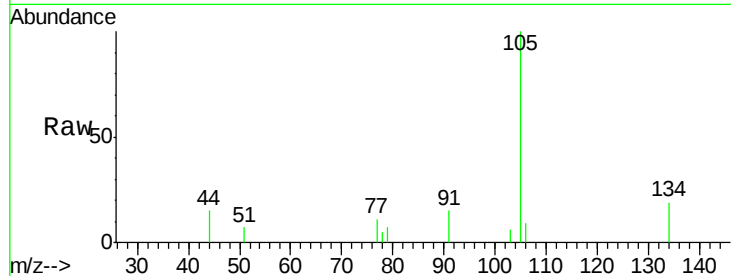
VSTDIC001

Tot Ion:105 Resp: 3343

Ion Ratio Lower Upper

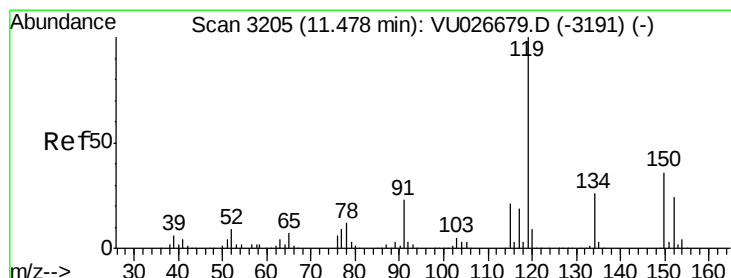
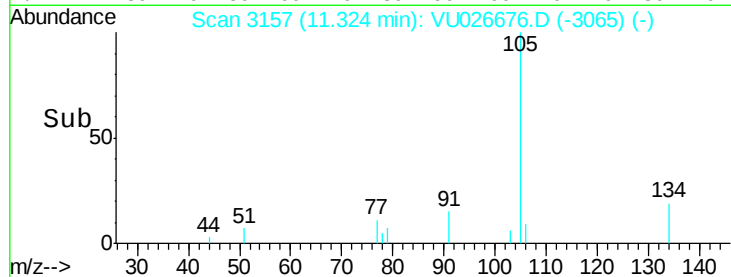
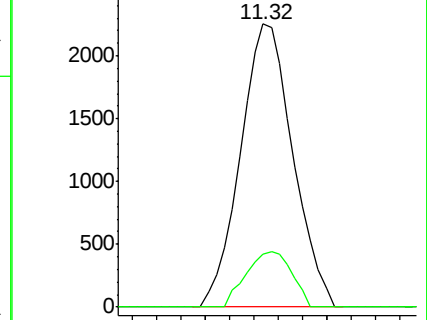
105 100

134 17.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.69 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

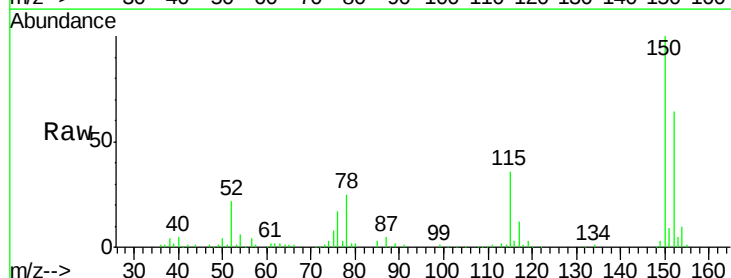
Tgt Ion:119 Resp: 2719

Ion Ratio Lower Upper

119 100

134 22.4 13.2 39.5

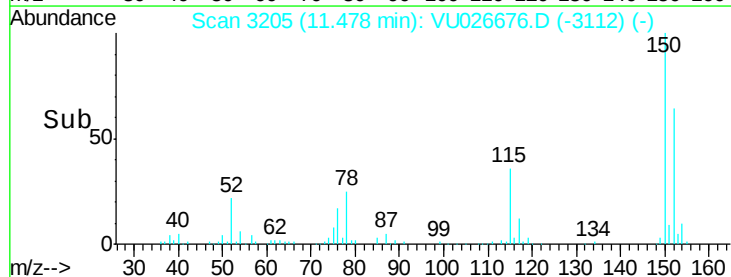
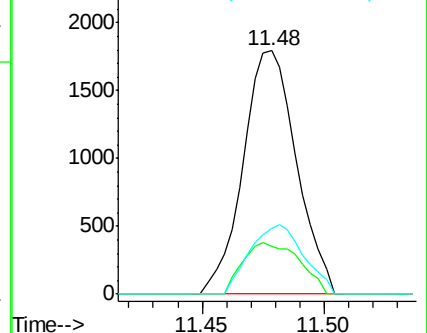
91 28.8 11.6 34.8

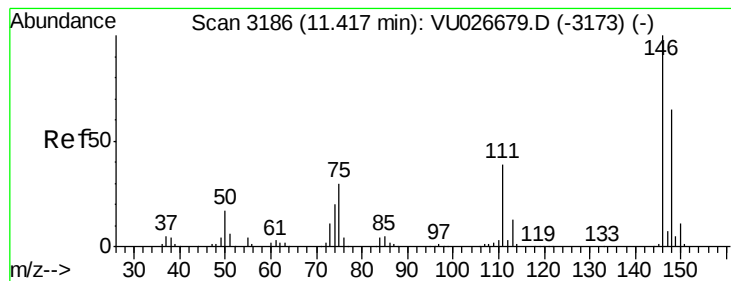


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 1.04 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

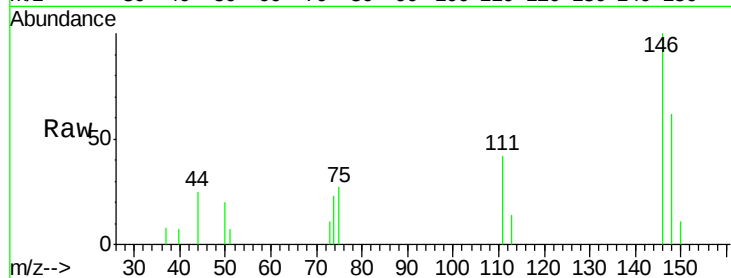
Tot Ion:146 Resp: 2342

Ion Ratio Lower Upper

146 100

111 41.4 19.7 59.1

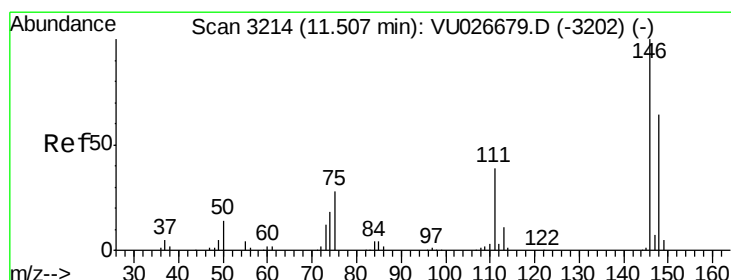
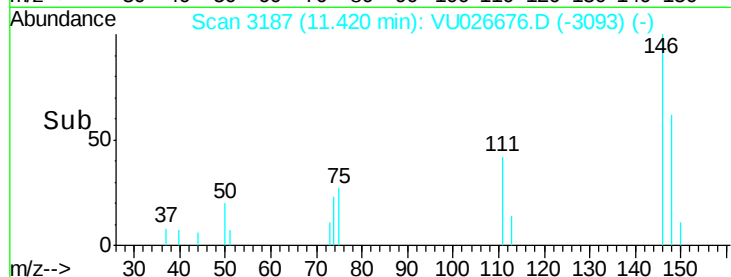
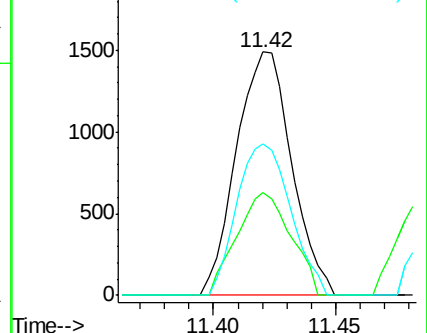
148 60.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.13 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

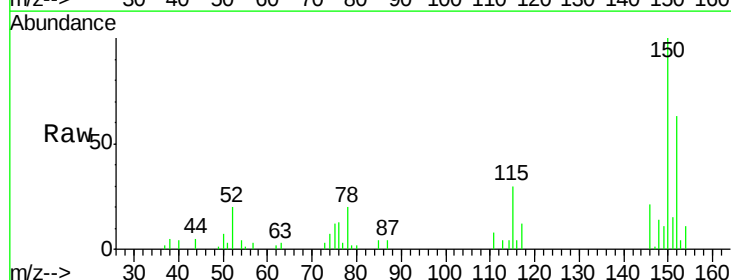
Tgt Ion:146 Resp: 2649

Ion Ratio Lower Upper

146 100

111 45.3 19.2 57.6

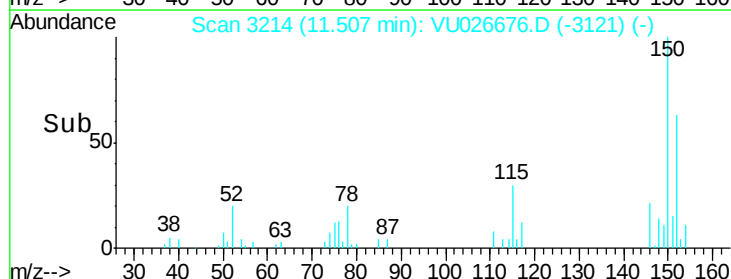
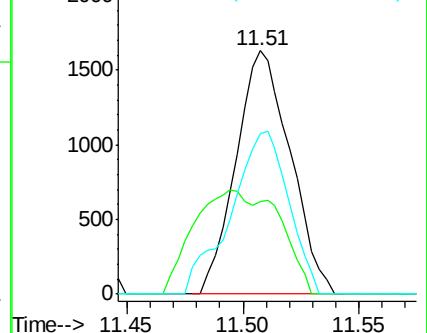
148 70.7 32.1 96.3

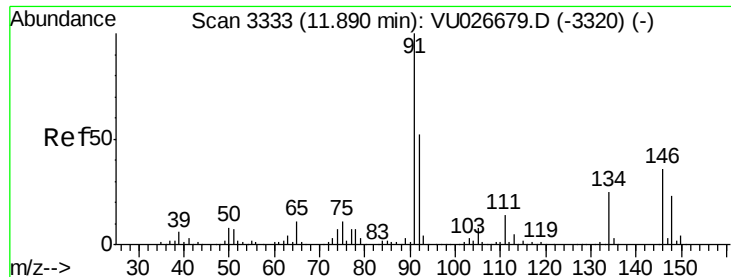


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

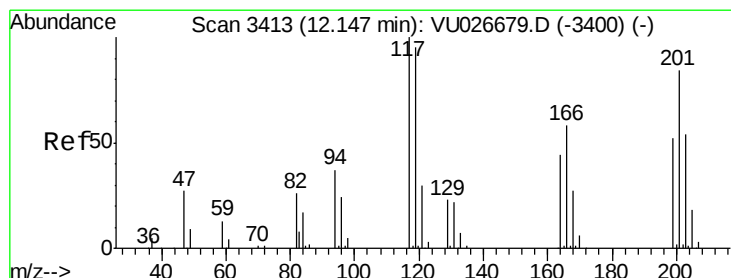
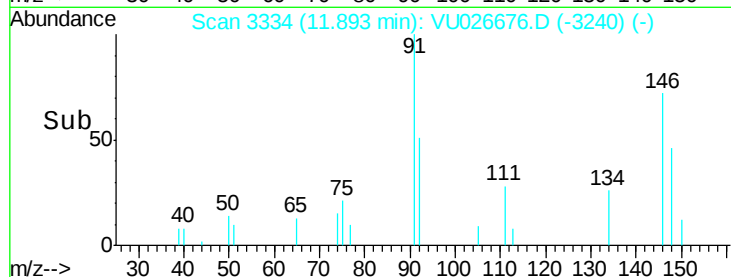
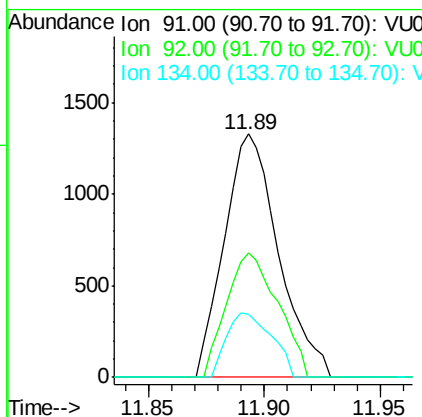
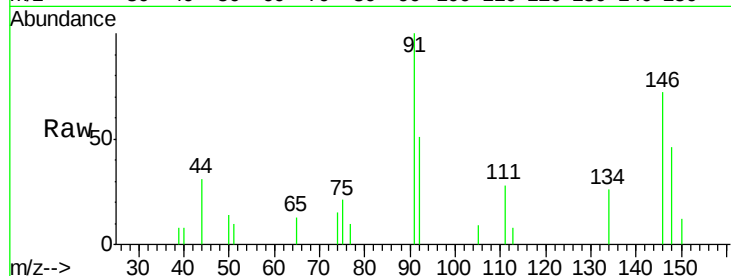




#89
n-Butylbenzene
Concen: 0.63 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

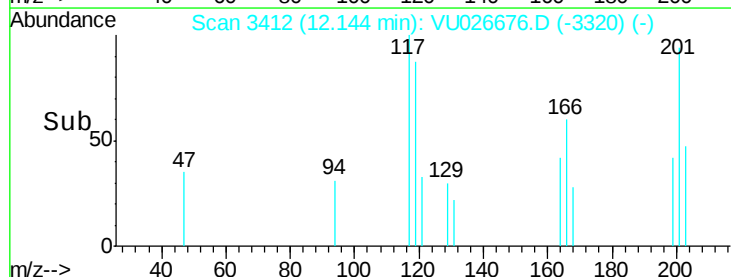
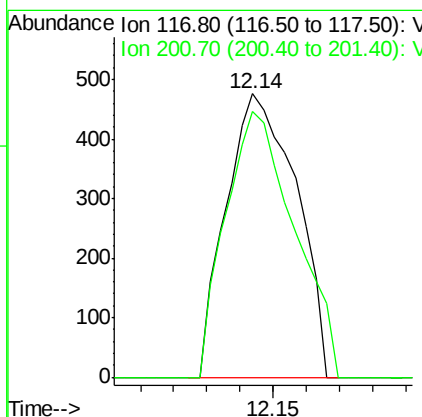
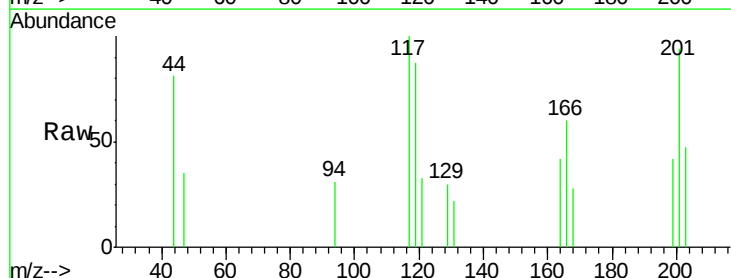
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

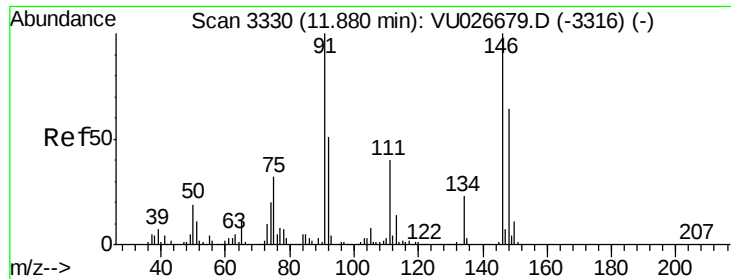
Tot Ion: 91 Resp: 2161
Ion Ratio Lower Upper
91 100
92 48.3 25.8 77.3
134 21.9 12.6 37.8



#90
Hexachloroethane
Concen: 0.87 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 117 Resp: 696
Ion Ratio Lower Upper
117 100
201 92.8 42.4 127.1

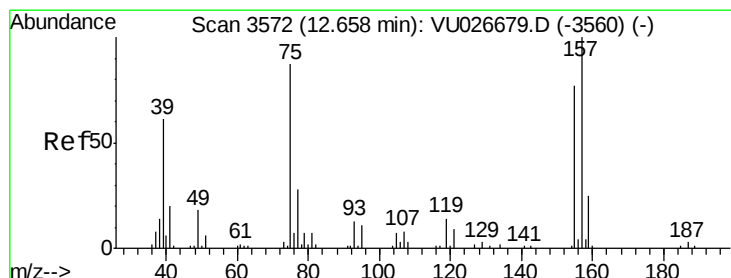
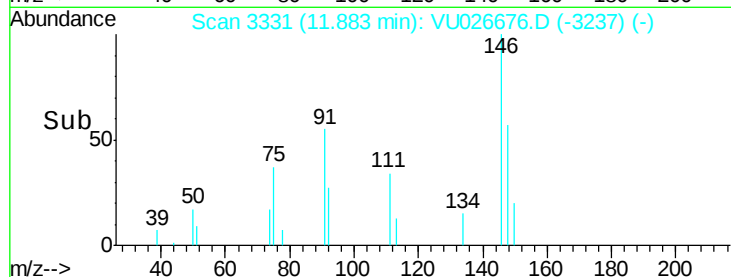
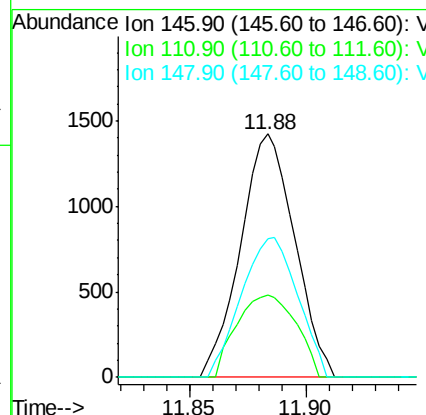
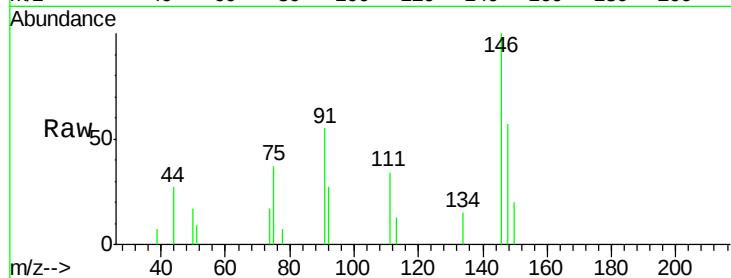




#91
 1,2-Dichlorobenzene
 Concen: 1.02 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

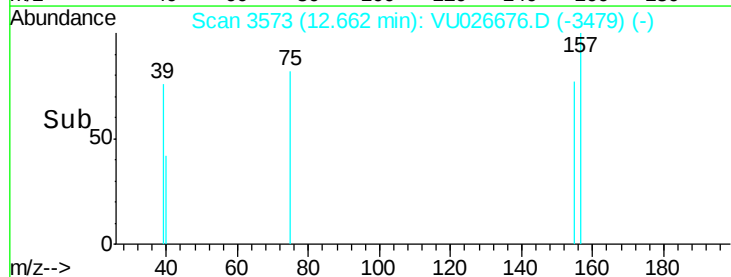
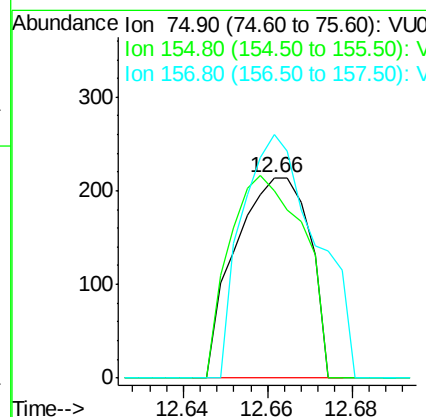
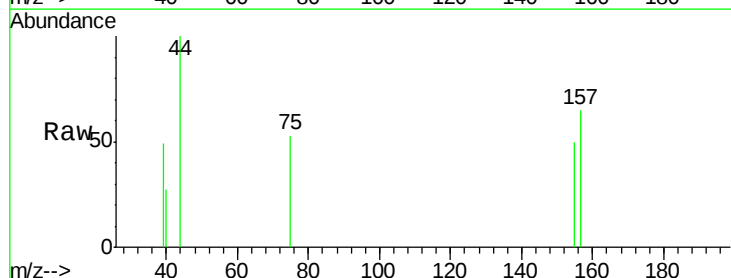
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

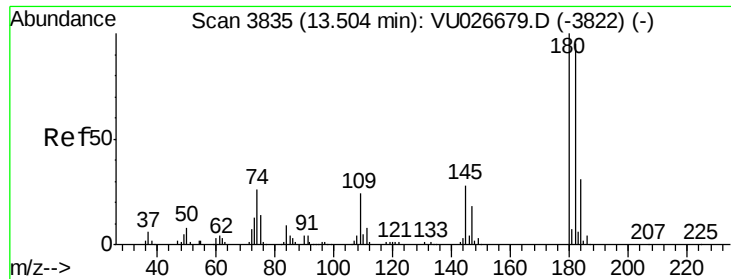
Tot Ion:146 Resp: 2314
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.3 60.8
 148 59.6 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.72 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 75 Resp: 261
 Ion Ratio Lower Upper
 75 100
 155 101.1 44.1 132.4
 157 121.8 57.2 171.6

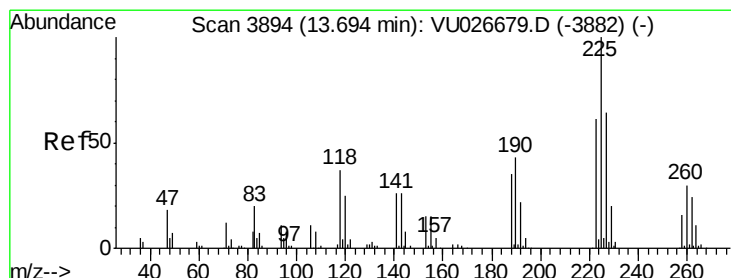
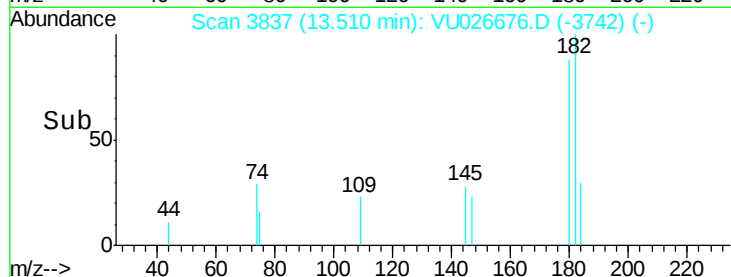
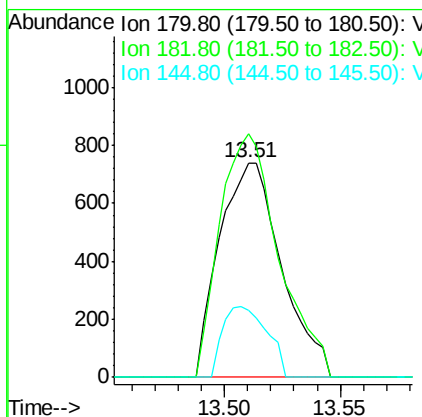
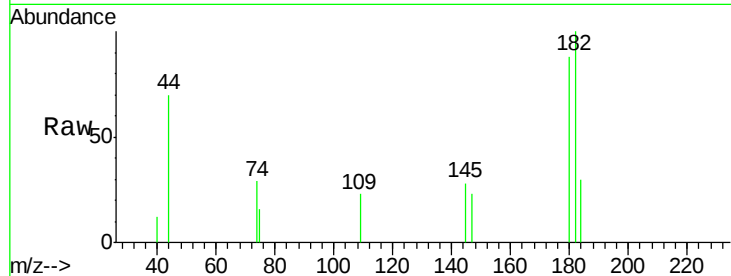




#93
 1,2,4-Trichlorobenzene
 Concen: 0.91 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

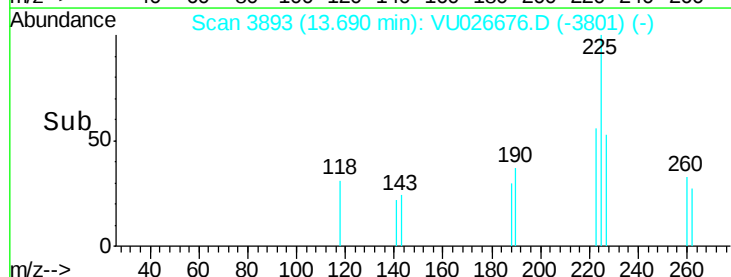
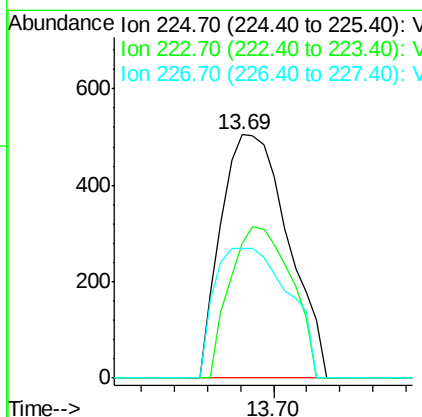
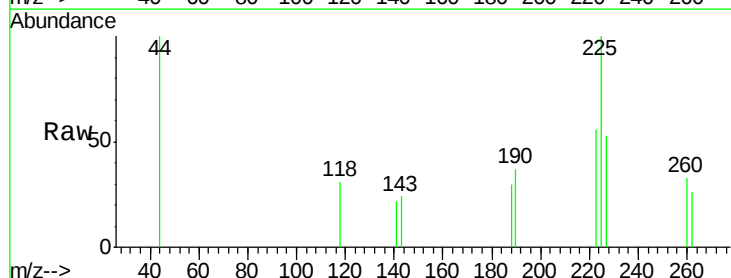
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

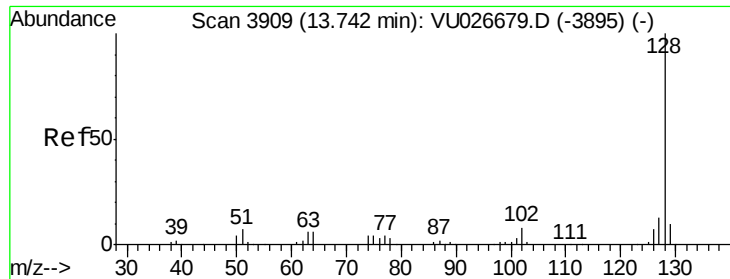
Tot Ion:180 Resp: 1377
 Ion Ratio Lower Upper
 180 100
 182 108.4 47.9 143.7
 145 23.6 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 0.92 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion:225 Resp: 712
 Ion Ratio Lower Upper
 225 100
 223 56.5 30.6 92.0
 227 58.6 32.1 96.3

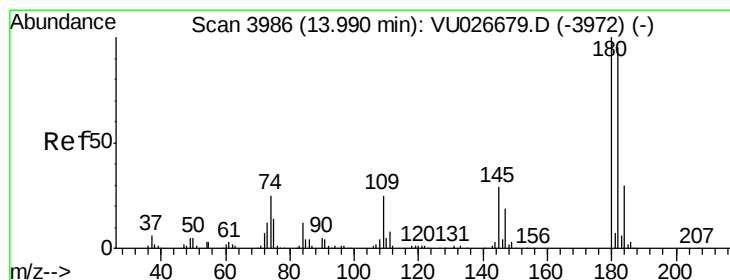
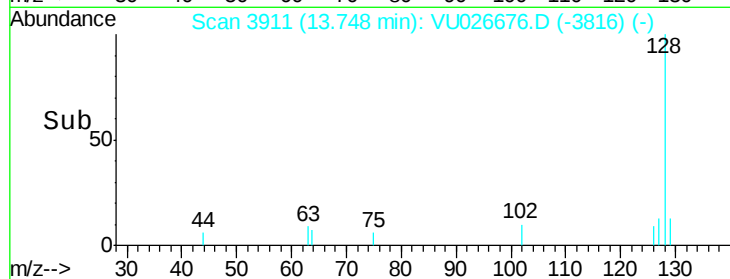
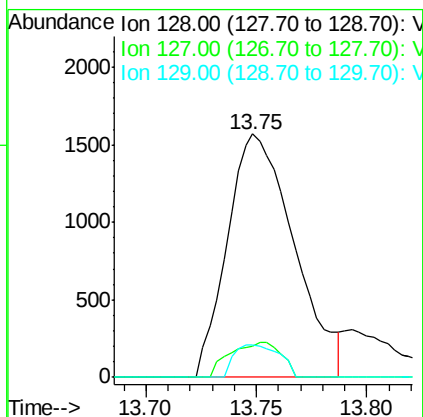
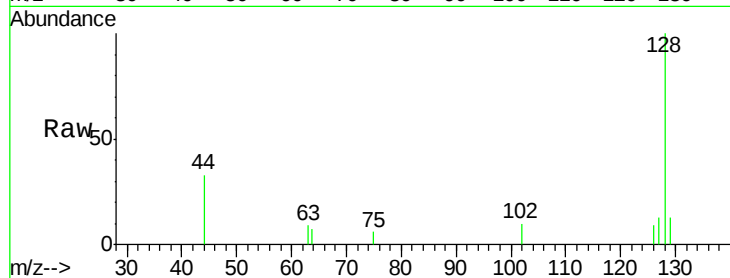




#95
Naphthalene
Concen: 0.72 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 3289
Ion Ratio Lower Upper
128 100
127 11.0 10.4 15.6
129 9.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.86 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion:180 Resp: 1361
Ion Ratio Lower Upper
180 100
182 110.4 47.9 143.7
145 28.8 14.9 44.9

