

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100118\
 Data File : VU027313.D
 Acq On : 01 Oct 2018 10:53
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 01 23:21:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	34918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	60463	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	56103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	25404	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	4738	8.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.10%	
35) Dibromofluoromethane	4.89	113	3232	8.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.26%	
50) Toluene-d8	7.57	98	11948	7.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.40%	
62) 4-Bromofluorobenzene	10.31	95	4431	7.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	9688	19.244	ug/l	99
3) Chloromethane	1.33	50	13359	19.601	ug/l	96
4) Vinyl Chloride	1.40	62	12426	19.395	ug/l	98
5) Bromomethane	1.63	94	5168	18.642	ug/l	96
6) Chloroethane	1.70	64	7005	18.195	ug/l	100
7) Trichlorofluoromethane	1.89	101	12591	19.369	ug/l	94
8) Diethyl Ether	2.11	74	5113	17.075	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6860	18.171	ug/l	99
10) Methyl Iodide	2.41	142	3075	11.189	ug/l	96
11) Tert butyl alcohol	2.83	59	10056	81.899	ug/l #	93
12) 1,1-Dichloroethene	2.29	96	6981	18.927	ug/l	95
13) Acrolein	2.20	56	5960	57.848	ug/l	98
14) Allyl chloride	2.59	41	15920	18.176	ug/l	99
15) Acrylonitrile	2.94	53	29383	91.944	ug/l	100
16) Acetone	2.32	43	34008	98.730	ug/l	98
17) Carbon Disulfide	2.48	76	25240	18.974	ug/l	99
18) Methyl Acetate	2.62	43	13716	17.455	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	25921	17.539	ug/l	99
20) Methylene Chloride	2.70	84	9060	18.883	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	7922	19.131	ug/l	91
22) Diisopropyl ether	3.58	45	31464	17.674	ug/l #	88
23) Vinyl Acetate	3.53	43	134792	86.701	ug/l	99
24) 1,1-Dichloroethane	3.45	63	16771	18.326	ug/l	99
25) 2-Butanone	4.27	43	42243	89.933	ug/l	100
26) 2,2-Dichloropropane	4.23	77	12862	17.104	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	8772	18.524	ug/l	98
28) Bromochloromethane	4.55	49	2749	6.226	ug/l #	96
29) Tetrahydrofuran	4.64	42	26517	89.578	ug/l	98
30) Chloroform	4.68	83	15103	18.575	ug/l	96
31) Cyclohexane	5.00	56	15508	14.491	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	12555	18.334	ug/l	99
36) 1,1-Dichloropropene	5.14	75	11533	17.568	ug/l	97
37) Ethyl Acetate	4.39	43	13504	16.682	ug/l	99
38) Carbon Tetrachloride	5.14	117	10392	17.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	11730	15.285	ug/l	92
40) Benzene	5.39	78	33929	17.743	ug/l	97
41) Methacrylonitrile	4.55	41	8296	17.299	ug/l	99
42) 1,2-Dichloroethane	5.41	62	13113	18.474	ug/l	98
43) Isopropyl Acetate	5.55	43	22216	16.859	ug/l	98
44) Trichloroethene	6.19	130	7604	17.833	ug/l	96
45) 1,2-Dichloropropane	6.43	63	9505	17.233	ug/l	98
46) Dibromomethane	6.56	93	5818	18.676	ug/l	98
47) Bromodichloromethane	6.76	83	10990	17.002	ug/l	99
48) Methyl methacrylate	6.63	41	10339	15.778	ug/l	99
49) 1,4-Dioxane	6.62	88	3904	346.259	ug/l	91
51) 4-Methyl-2-Pentanone	7.46	43	72283	84.415	ug/l	99
52) Toluene	7.64	92	19443	17.178	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	12724	16.789	ug/l	91
54) cis-1,3-Dichloropropene	7.27	75	14218	17.451	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	8122	18.098	ug/l	95
56) Ethyl methacrylate	8.02	69	11577	15.544	ug/l	97
57) 1,3-Dichloropropane	8.24	76	15972	18.334	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	33652	80.883	ug/l	99
59) 2-Hexanone	8.37	43	53779	80.964	ug/l	98
60) Dibromochloromethane	8.48	129	7623	16.937	ug/l	100
61) 1,2-Dibromoethane	8.59	107	8566	17.953	ug/l	99
64) Tetrachloroethene	8.23	164	6062	17.357	ug/l	93
65) Chlorobenzene	9.12	112	20613	17.455	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	7282	17.862	ug/l	97
67) Ethyl Benzene	9.25	91	32919	15.734	ug/l	96
68) m/p-Xylenes	9.38	106	24394	31.874	ug/l	98
69) o-Xylene	9.78	106	11682	16.063	ug/l	99
70) Styrene	9.79	104	18138	15.187	ug/l	97
71) Bromoform	9.96	173	5511	16.802	ug/l #	99
73) Isopropylbenzene	10.17	105	31578	17.115	ug/l	100
74) N-amyl acetate	10.02	43	16760	15.867	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	13677	18.878	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	14952	21.112	ug/l	87
77) Bromobenzene	10.46	156	7486	17.458	ug/l	96
78) n-propylbenzene	10.59	91	35736	16.119	ug/l	99
79) 2-Chlorotoluene	10.66	91	23411	17.489	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	24531	16.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	14952	54.410	ug/l #	100
82) 4-Chlorotoluene	10.77	91	26216	17.258	ug/l	97
83) tert-Butylbenzene	11.10	119	24032	16.549	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	24211	15.778	ug/l	100
85) sec-Butylbenzene	11.32	105	29074	15.890	ug/l	98
86) p-Isopropyltoluene	11.48	119	23492	14.995	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	13422	16.531	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	14051	16.935	ug/l	97
89) n-Butylbenzene	11.89	91	21035	14.395	ug/l	97
90) Hexachloroethane	12.15	117	4832	16.363	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	14035	17.758	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2781	17.320	ug/l	94

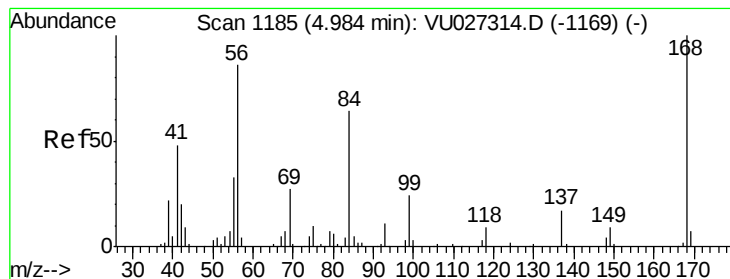
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100118\
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Acq On : 01 Oct 2018 10:53
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	7737	15.129	ug/l	99
94) Hexachlorobutadiene	13.69	225	4664	18.051	ug/l	96
95) Naphthalene	13.75	128	23908	13.944	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	8618	16.175	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

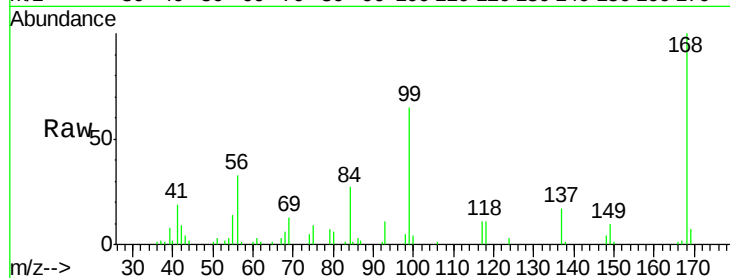
VSTDIC020

Tgt Ion:168 Resp: 34918

Ion Ratio Lower Upper

168 100

99 64.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

15000

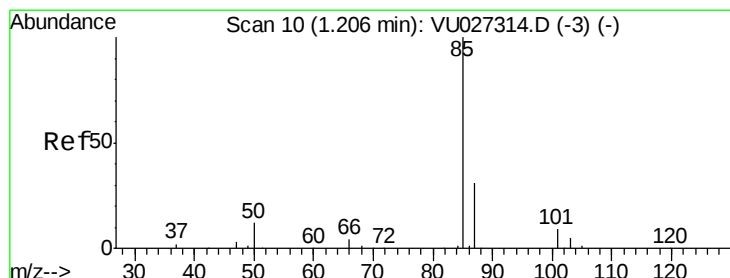
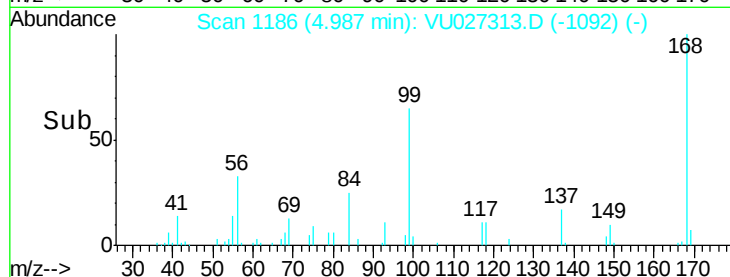
10000

5000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.244 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027313.D

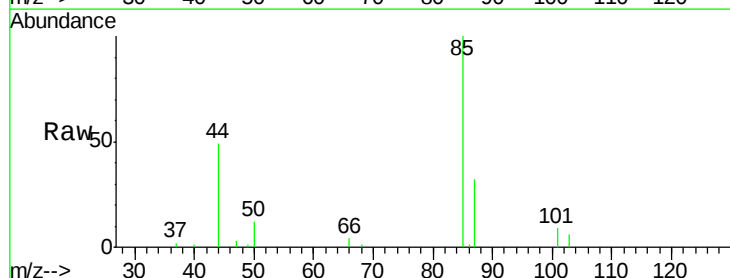
Acq: 01 Oct 2018 10:53

Tgt Ion: 85 Resp: 9688

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

10000

8000

6000

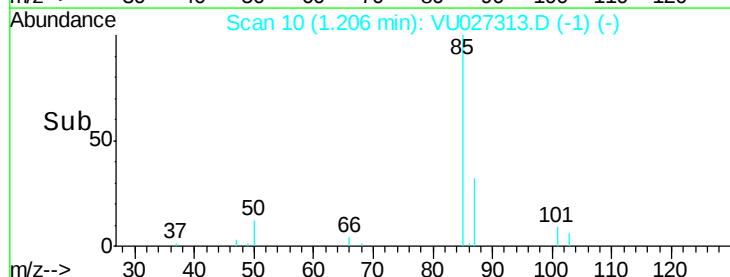
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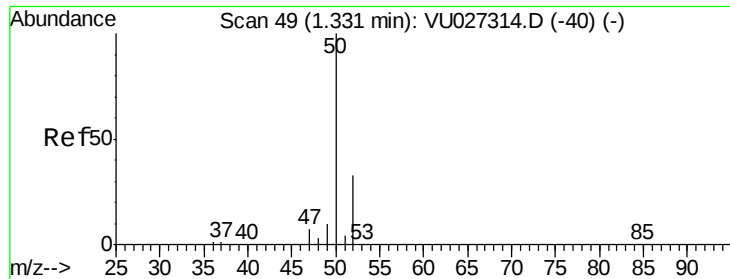
2000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.601 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

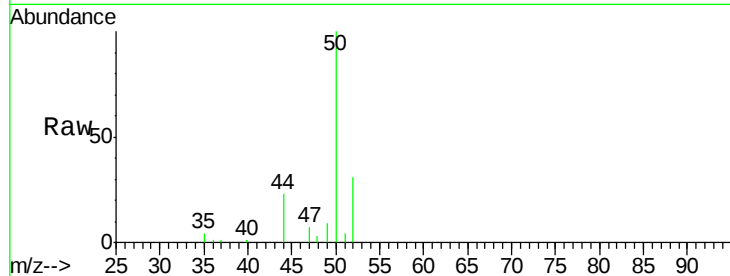
VSTDIC020

Tgt Ion: 50 Resp: 13359

Ion Ratio Lower Upper

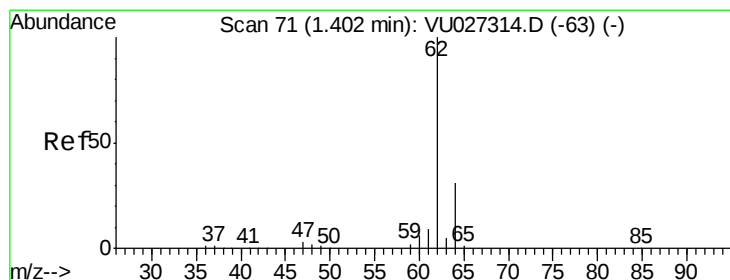
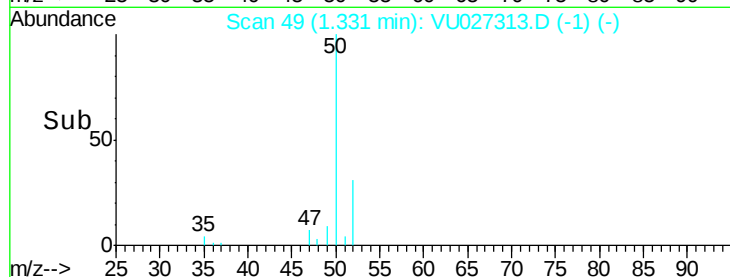
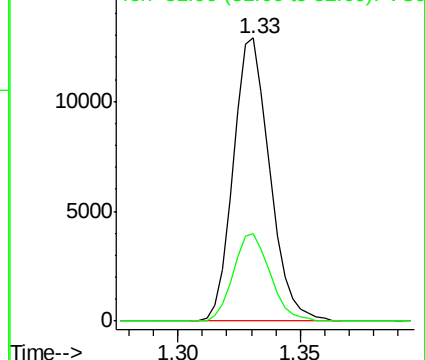
50 100

52 31.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.395 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027313.D

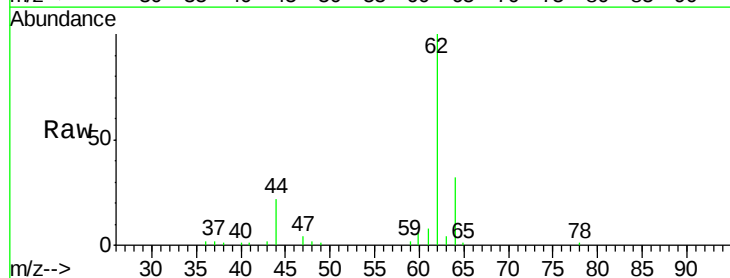
Acq: 01 Oct 2018 10:53

Tgt Ion: 62 Resp: 12426

Ion Ratio Lower Upper

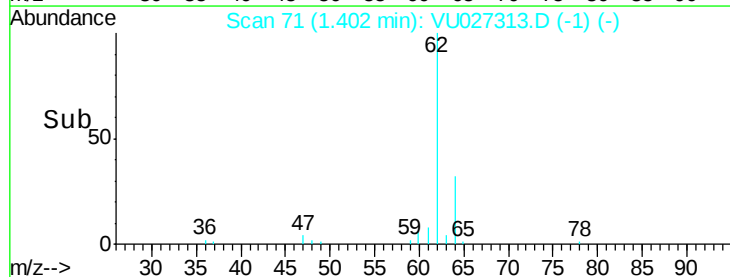
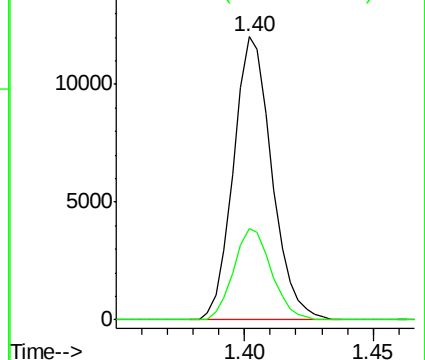
62 100

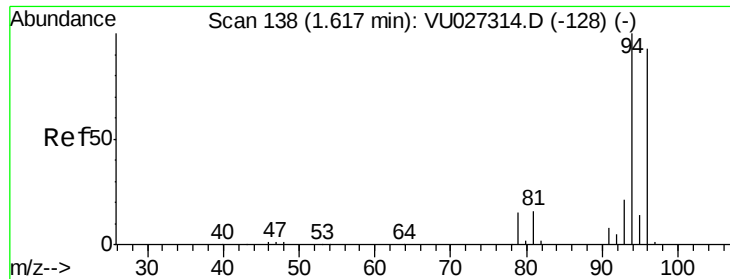
64 32.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.642 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

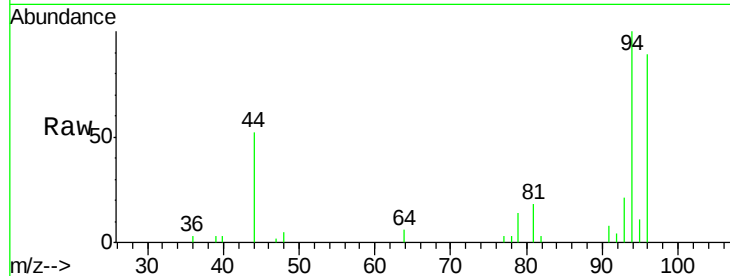
VSTDIC020

Tgt Ion: 94 Resp: 5168

Ion Ratio Lower Upper

94 100

96 89.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

4000

3000

2000

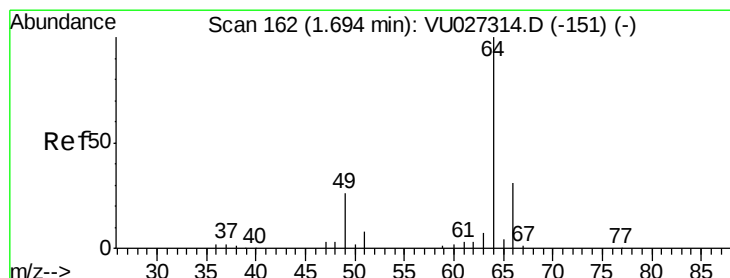
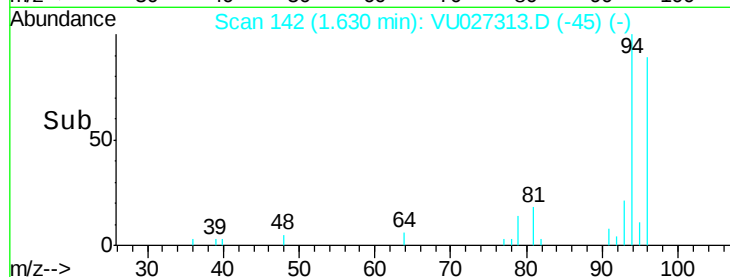
1000

0

Time-->

1.60

1.65



#6

Chloroethane

Concen: 18.195 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027313.D

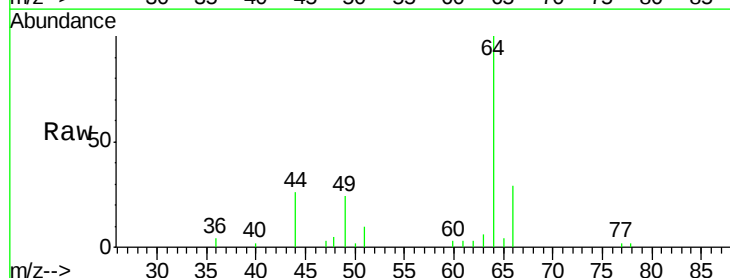
Acq: 01 Oct 2018 10:53

Tgt Ion: 64 Resp: 7005

Ion Ratio Lower Upper

64 100

66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

6000

4000

2000

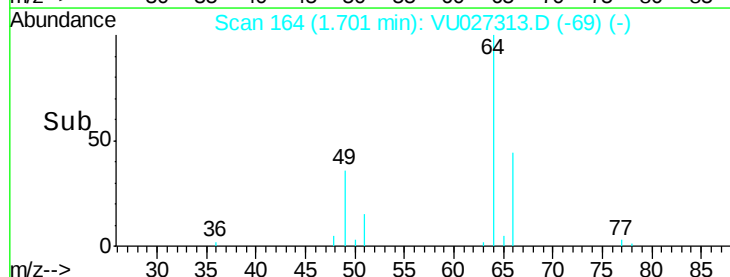
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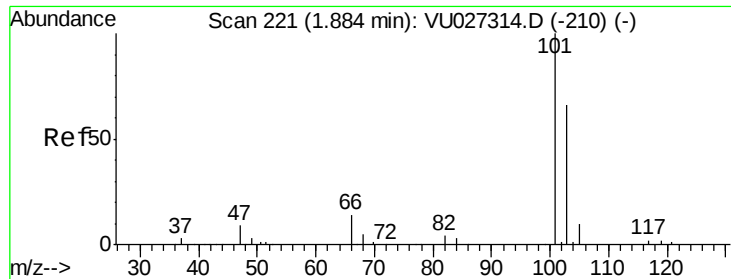
Time-->

1.65

1.70

1.75



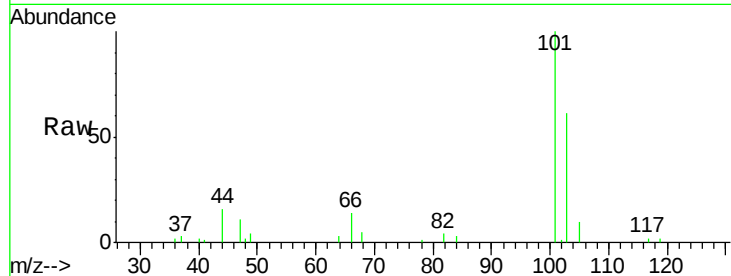


#7

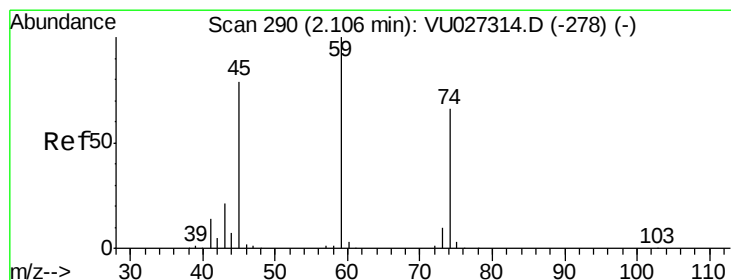
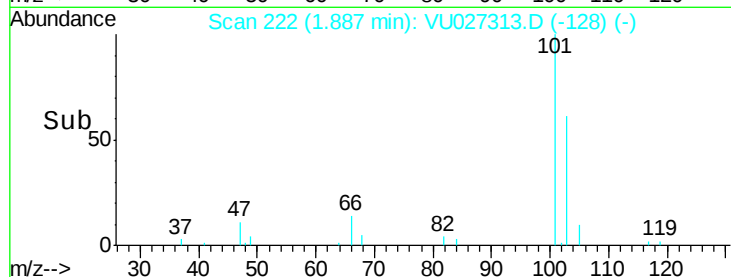
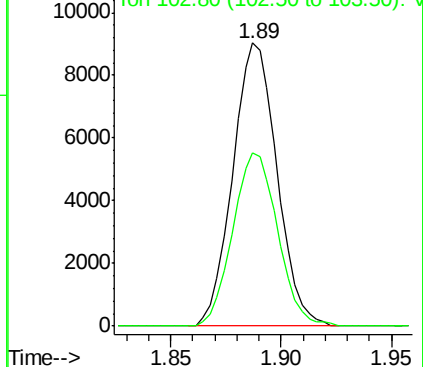
Trichlorofluoromethane
 Concen: 19.369 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:101 Resp: 12591
 Ion Ratio Lower Upper
 101 100
 103 61.2 52.6 78.8



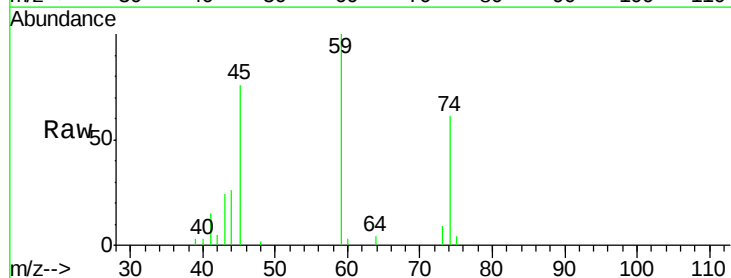
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



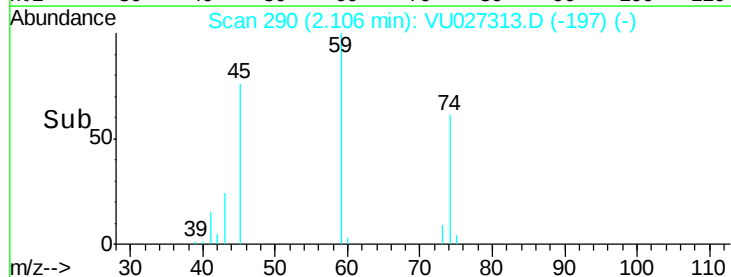
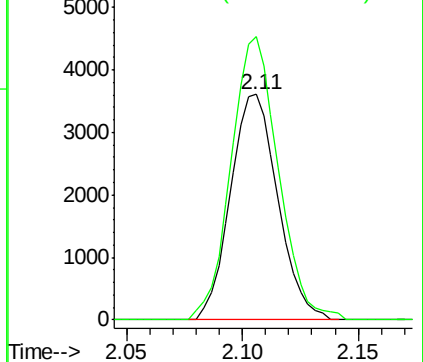
#8

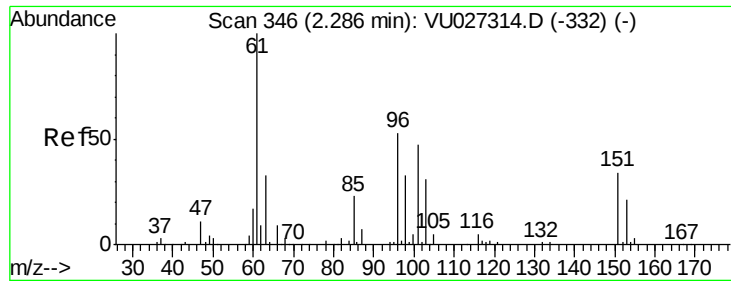
Diethyl Ether
 Concen: 17.075 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 74 Resp: 5113
 Ion Ratio Lower Upper
 74 100
 45 125.5 60.4 181.1



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: 18.171 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

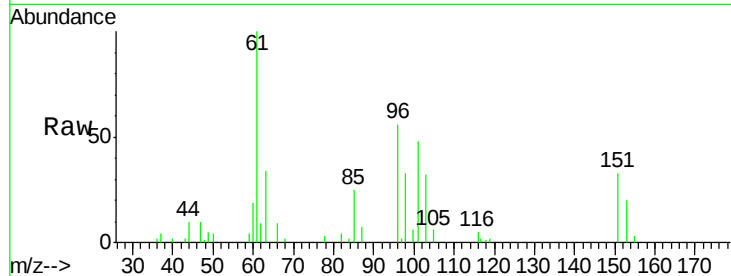
Tgt Ion:101 Resp: 6860

Ion Ratio Lower Upper

101 100

85 48.0 37.5 56.3

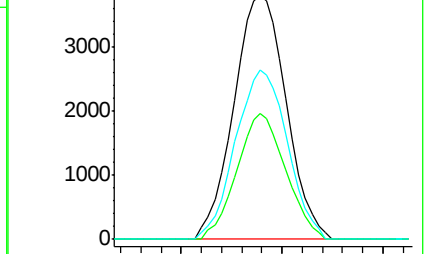
151 68.9 55.6 83.4



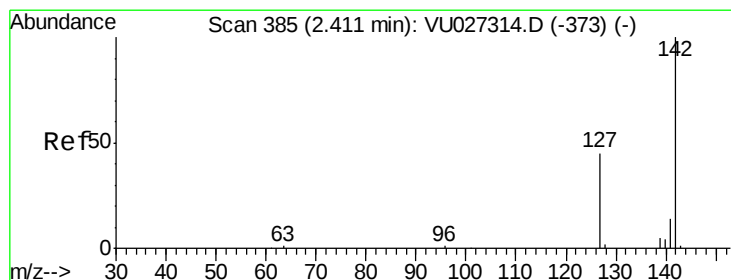
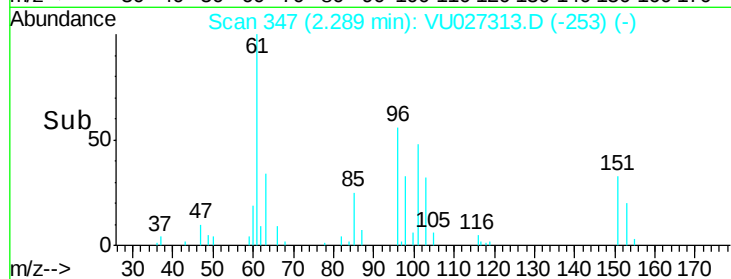
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 11.189 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

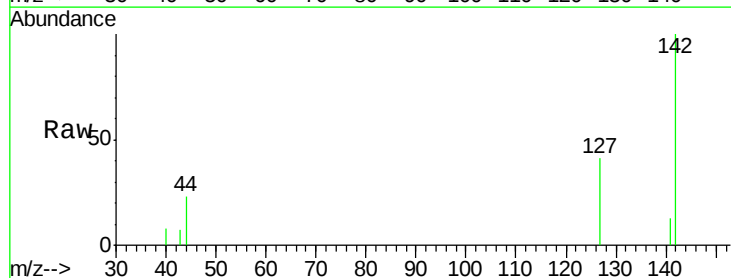
Tgt Ion:142 Resp: 3075

Ion Ratio Lower Upper

142 100

127 47.7 36.3 54.5

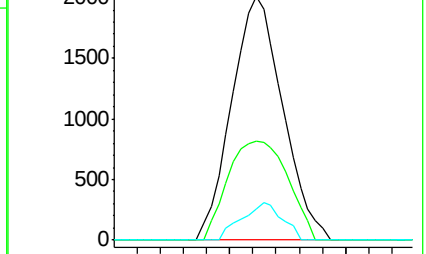
141 12.2 11.6 17.4



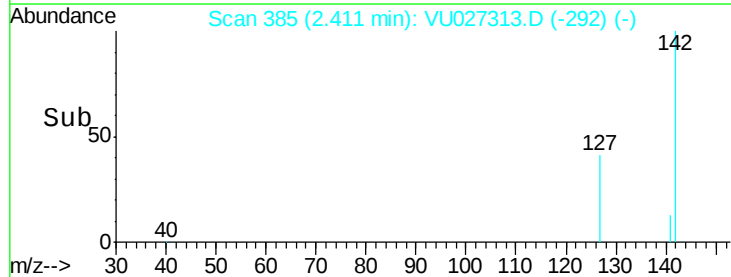
Abundance Ion 141.80 (141.50 to 142.50): V

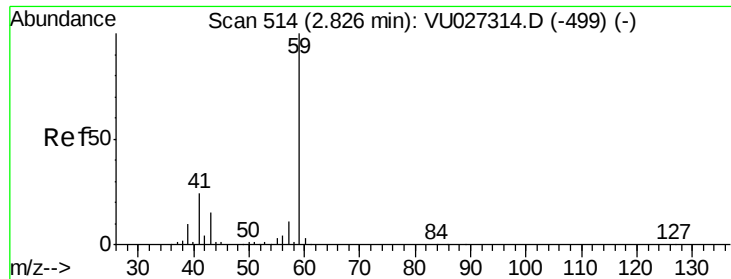
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



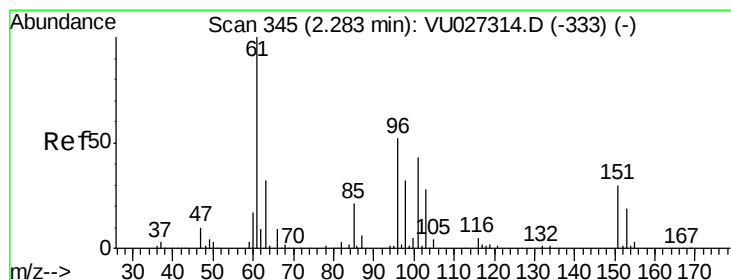
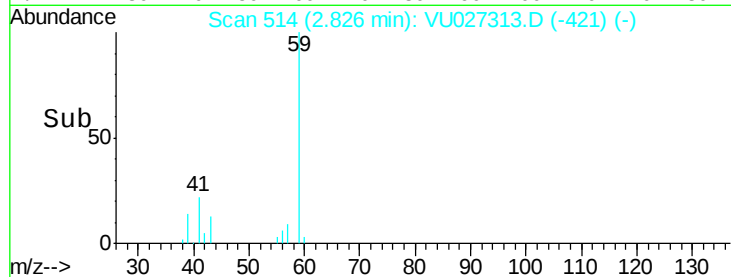
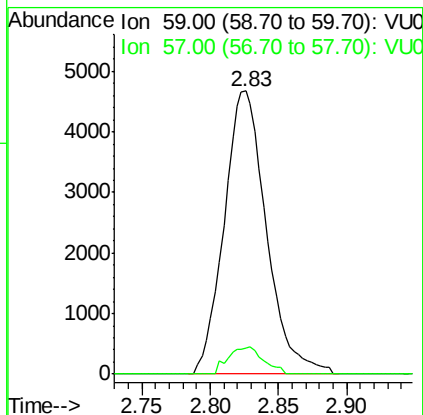
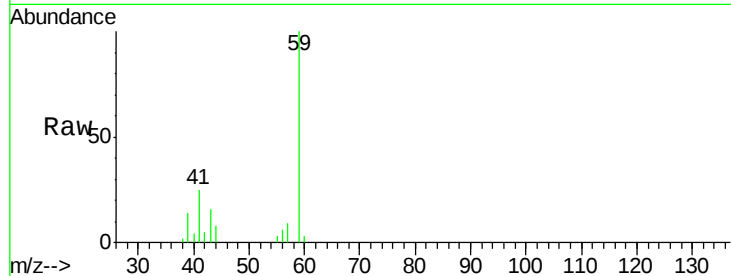


#11

Tert butyl alcohol
Concen: 81.899 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

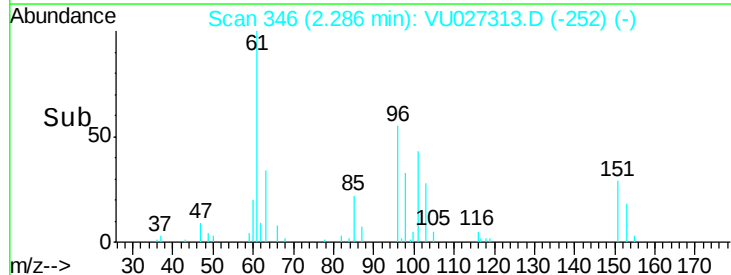
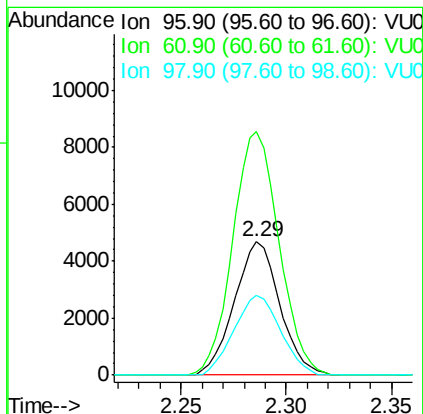
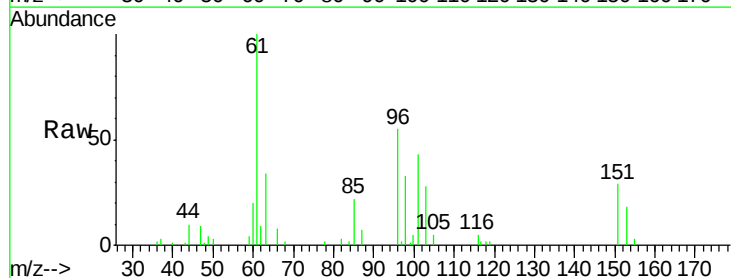
Tgt Ion: 59 Resp: 10056
Ion Ratio Lower Upper
59 100
57 8.0 8.4 12.6#

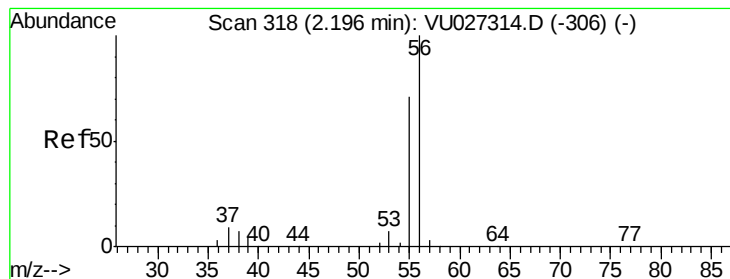


#12

1,1-Dichloroethene
Concen: 18.927 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 96 Resp: 6981
Ion Ratio Lower Upper
96 100
61 182.7 153.0 229.6
98 60.1 49.3 73.9





#13

Acrolein

Concen: 57.848 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

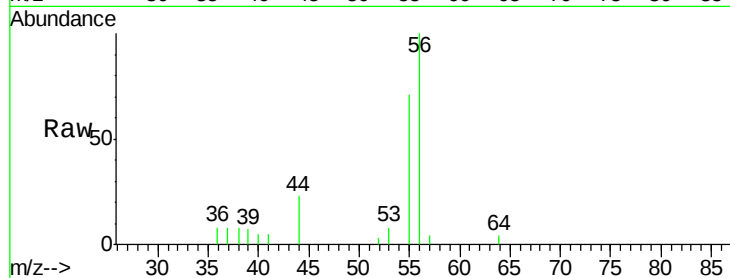
VSTDIC020

Tgt Ion: 56 Resp: 5960

Ion Ratio Lower Upper

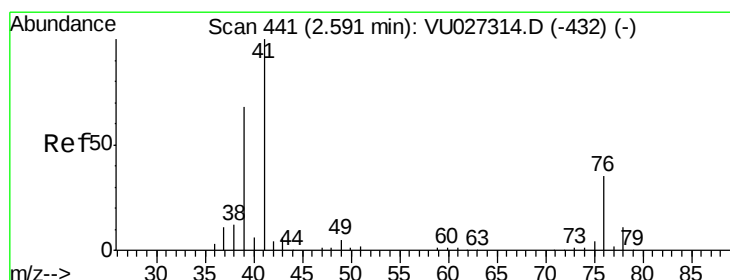
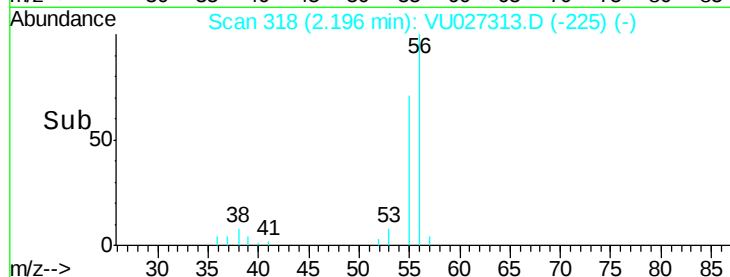
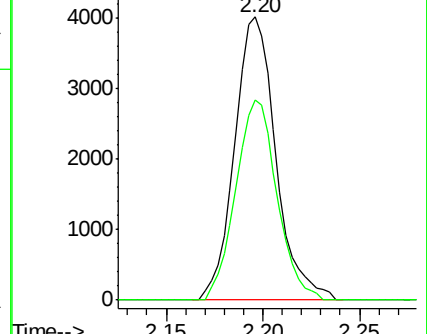
56 100

55 70.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.176 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

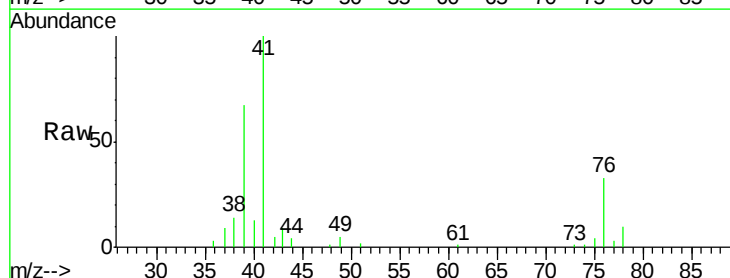
Tgt Ion: 41 Resp: 15920

Ion Ratio Lower Upper

41 100

39 65.2 51.8 77.8

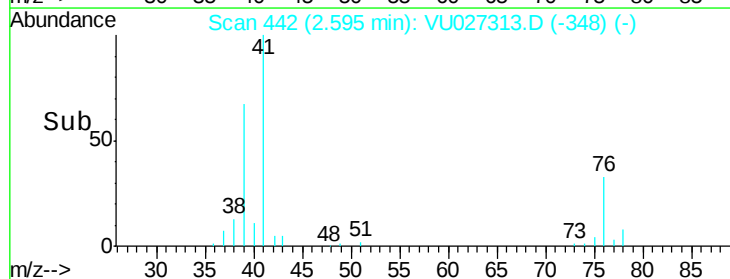
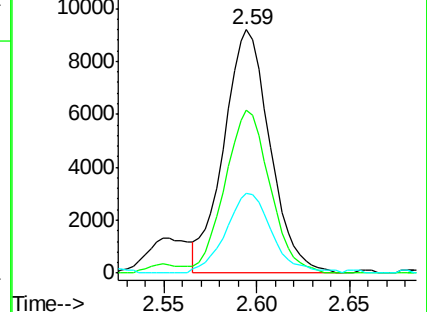
76 32.8 25.9 38.9

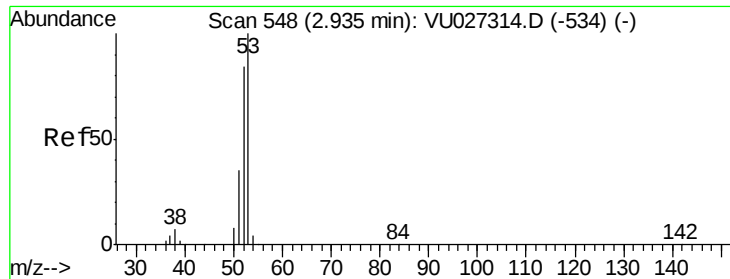


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 91.944 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

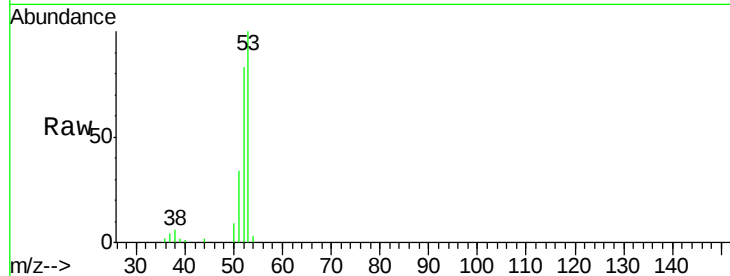
Tgt Ion: 53 Resp: 29383

Ion Ratio Lower Upper

53 100

52 83.3 66.5 99.7

51 34.8 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VU027313.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU027313.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU027313.D (-534) (-)

2.94

15000

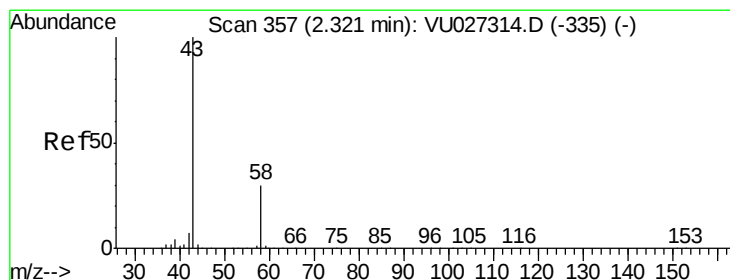
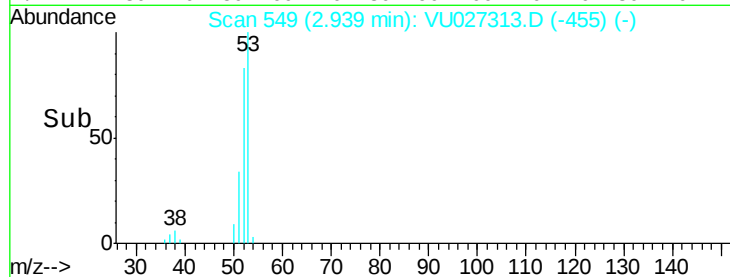
10000

5000

0

Time-->

2.90 3.00



#16

Acetone

Concen: 98.730 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027313.D

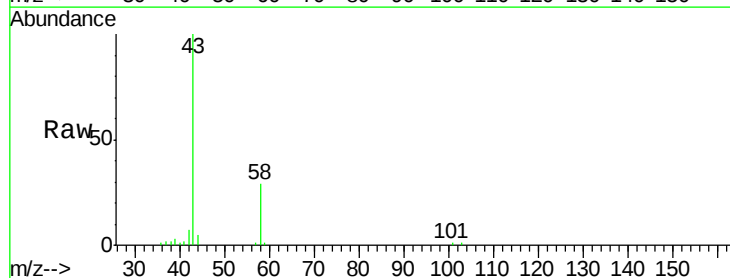
Acq: 01 Oct 2018 10:53

Tgt Ion: 43 Resp: 34008

Ion Ratio Lower Upper

43 100

58 29.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027313.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU027313.D (-264) (-)

2.32

25000

20000

15000

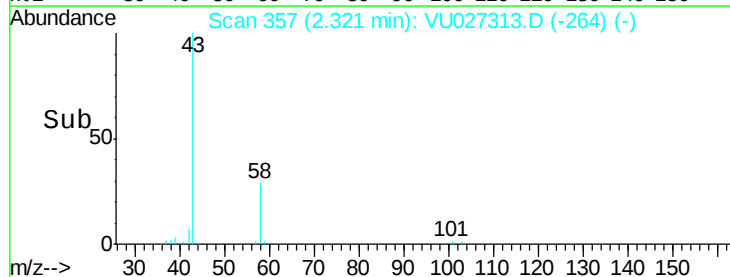
10000

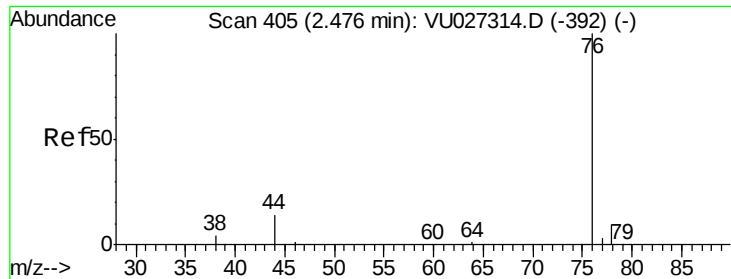
5000

0

Time-->

2.25 2.30 2.35 2.40





#17

Carbon Disulfide

Concen: 18.974 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

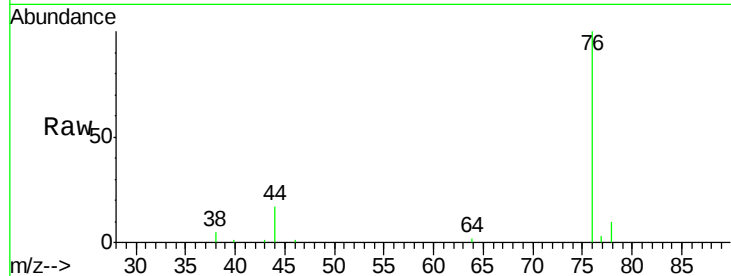
VSTDIC020

Tgt Ion: 76 Resp: 25240

Ion Ratio Lower Upper

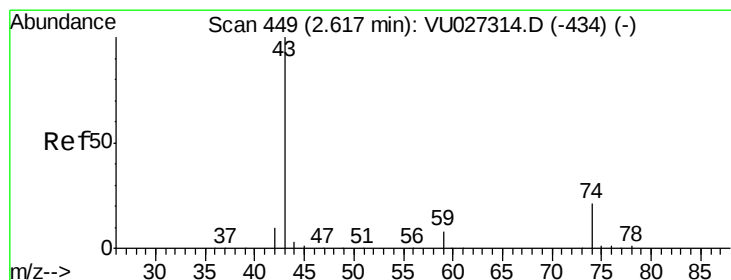
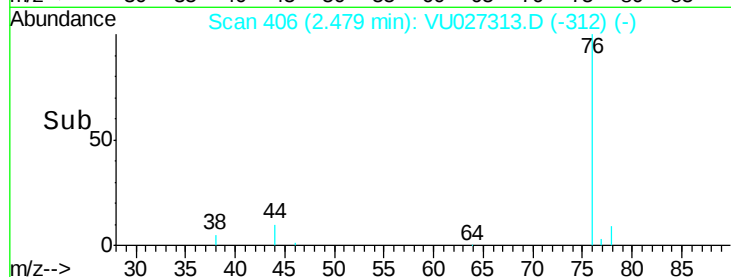
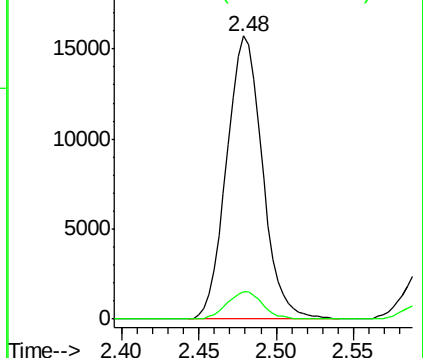
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 17.455 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027313.D

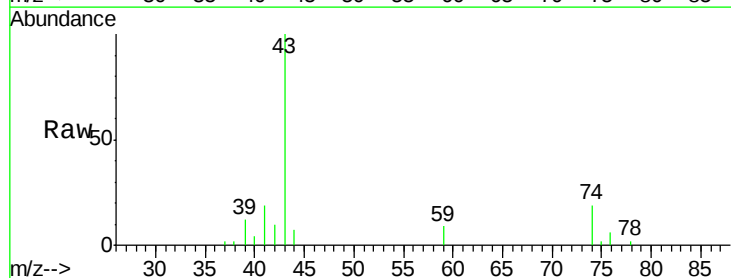
Acq: 01 Oct 2018 10:53

Tgt Ion: 43 Resp: 13716

Ion Ratio Lower Upper

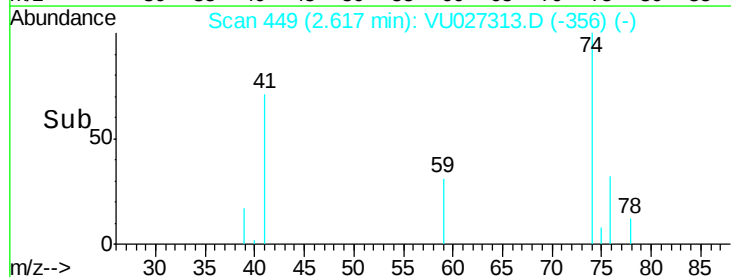
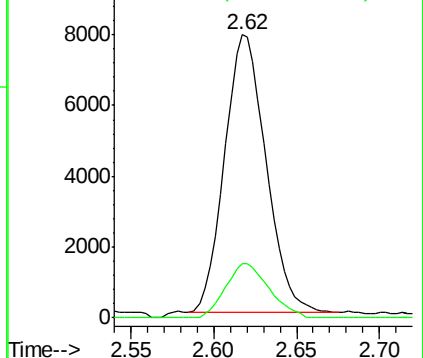
43 100

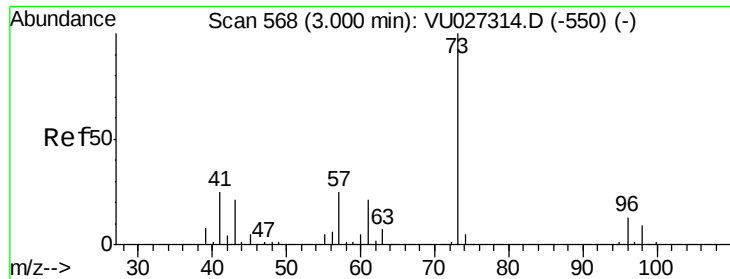
74 20.4 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

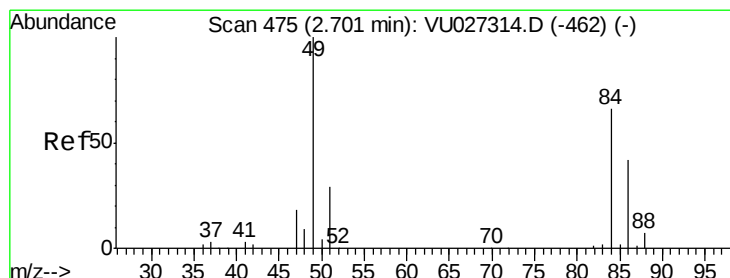
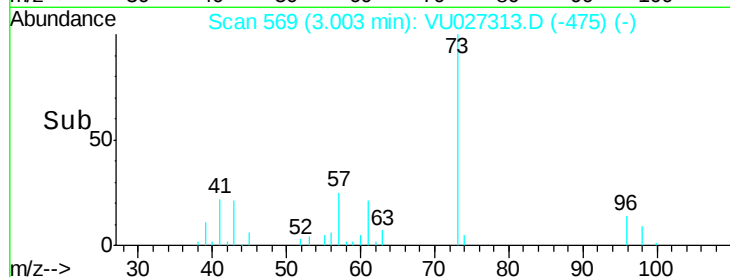
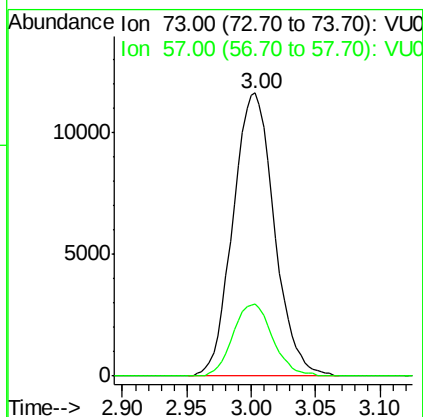
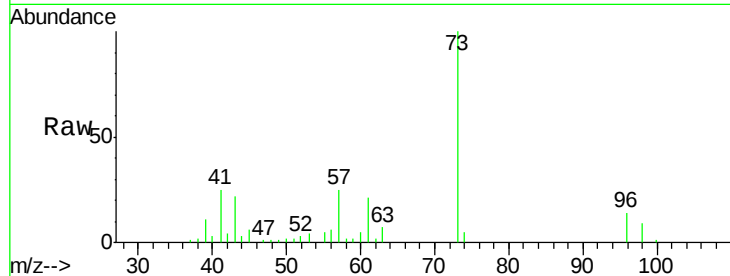




#19
Methyl tert-butyl Ether
Concen: 17.539 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

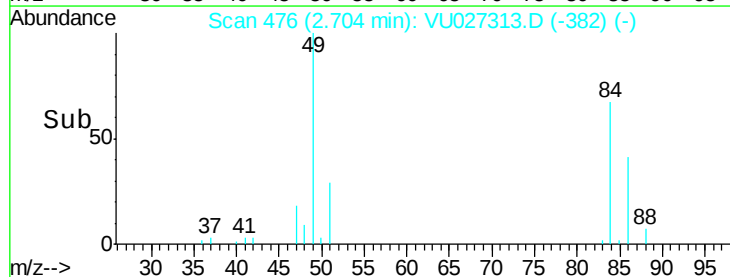
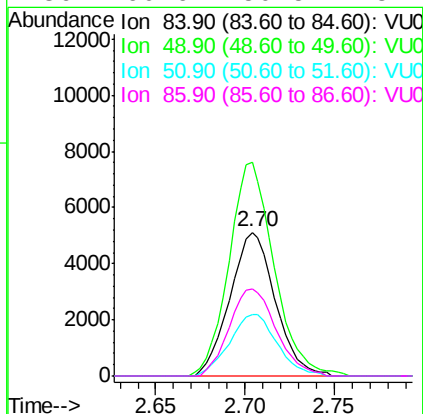
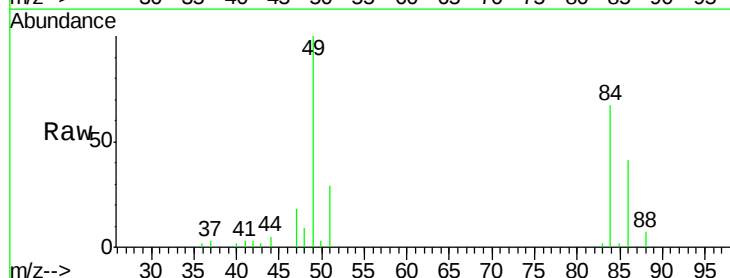
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

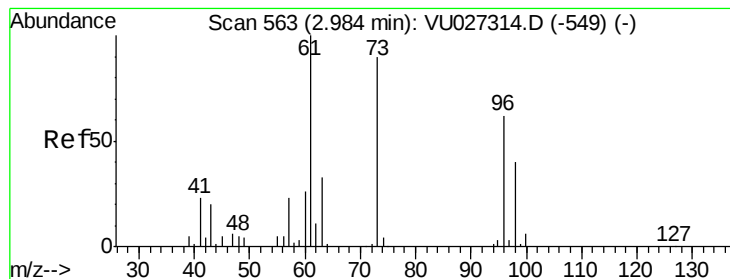
Tgt Ion: 73 Resp: 25921
Ion Ratio Lower Upper
73 100
57 25.3 20.0 30.0



#20
Methylene Chloride
Concen: 18.883 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 84 Resp: 9060
Ion Ratio Lower Upper
84 100
49 148.3 120.5 180.7
51 43.1 35.1 52.7
86 60.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.131 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

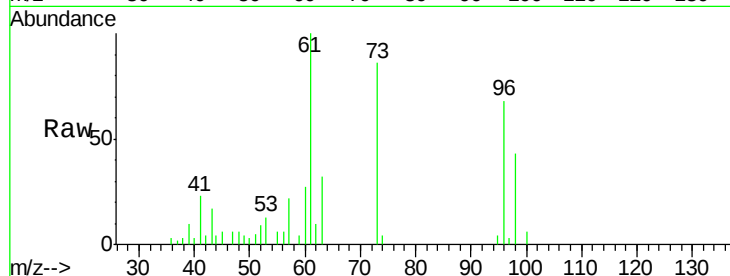
Tgt Ion: 96 Resp: 7922

Ion Ratio Lower Upper

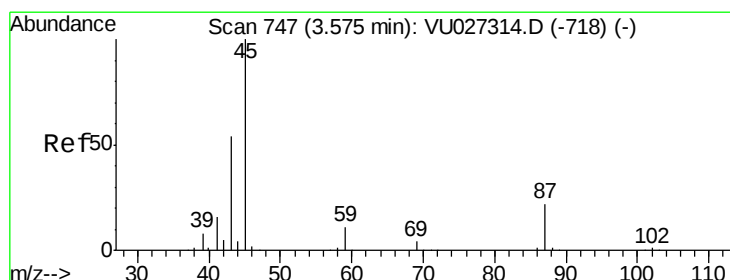
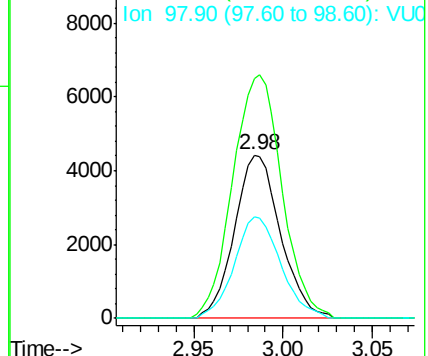
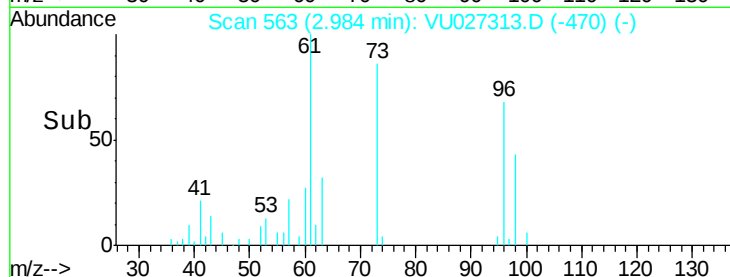
96 100

61 146.4 129.4 194.2

98 62.3 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU027313.D (-470) (-)



#22

Diisopropyl ether

Concen: 17.674 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Tgt Ion: 45 Resp: 31464

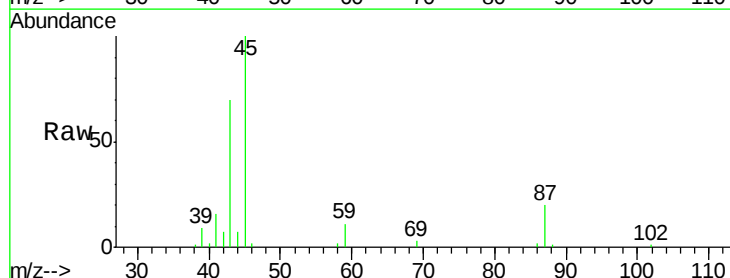
Ion Ratio Lower Upper

45 100

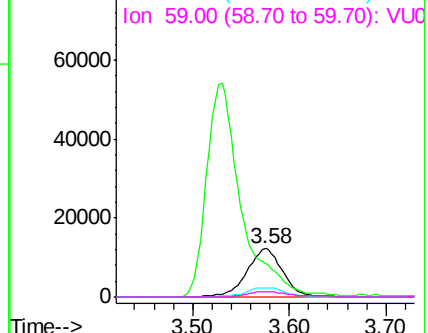
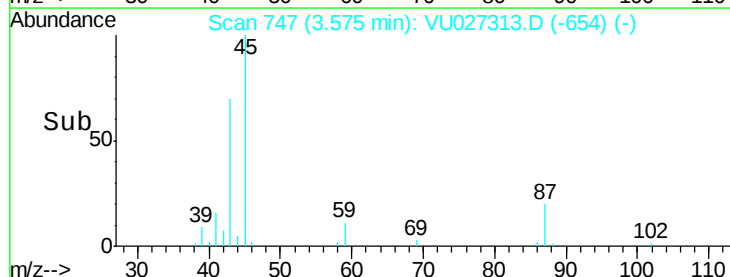
43 66.4 43.4 65.2#

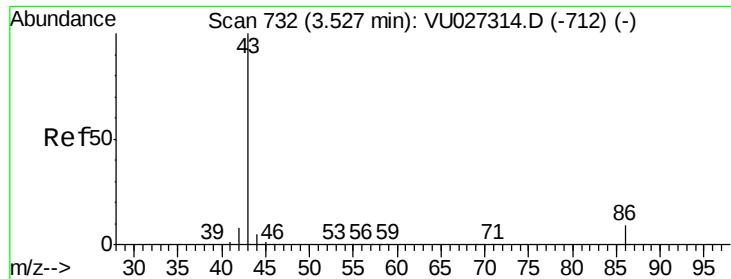
87 19.6 17.5 26.3

59 11.1 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VU027313.D (-654) (-)





#23

Vinyl Acetate

Concen: 86.701 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

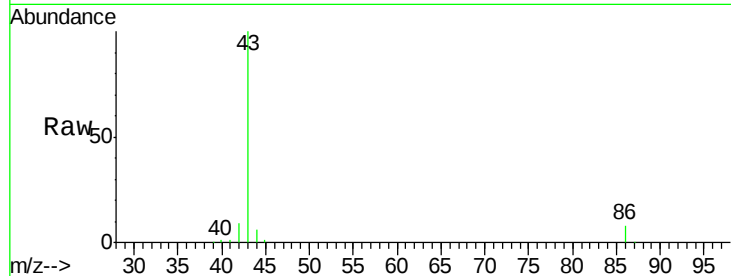
VSTDIC020

Tgt Ion: 43 Resp: 134792

Ion Ratio Lower Upper

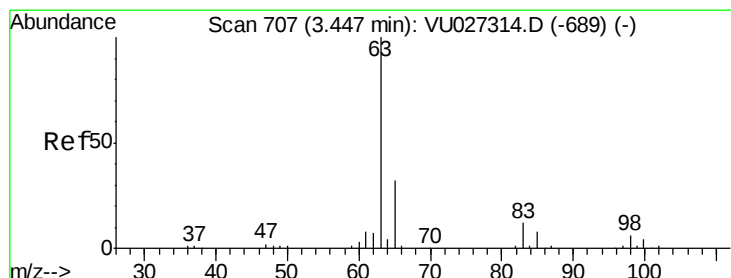
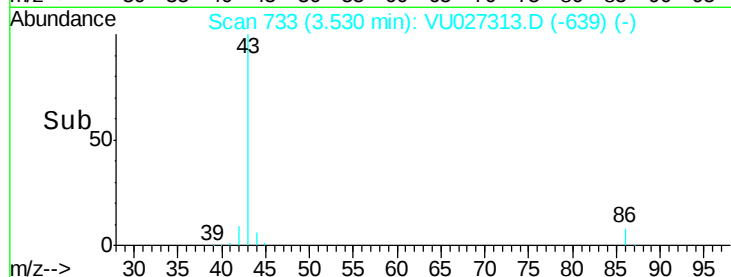
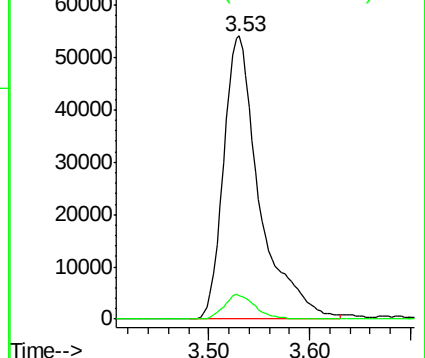
43 100

86 8.4 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 18.326 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

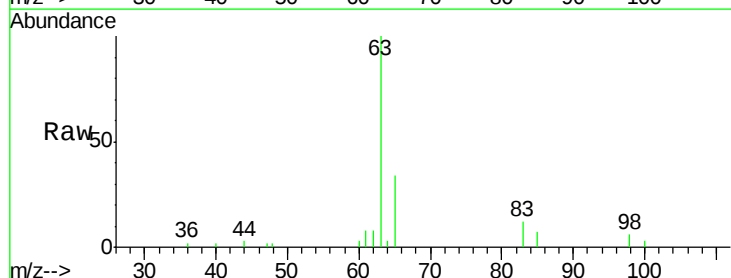
Tgt Ion: 63 Resp: 16771

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

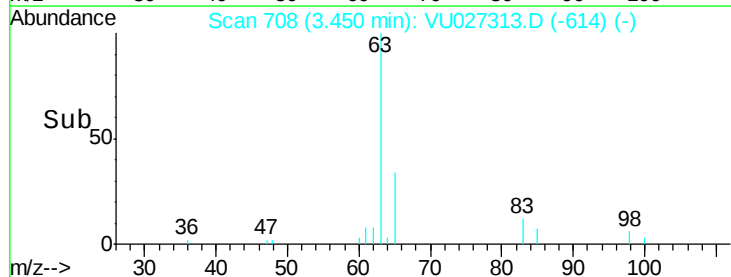
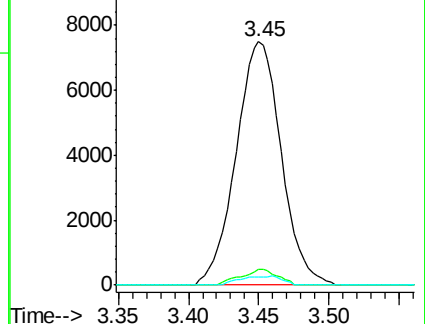
100 3.3 1.8 5.5

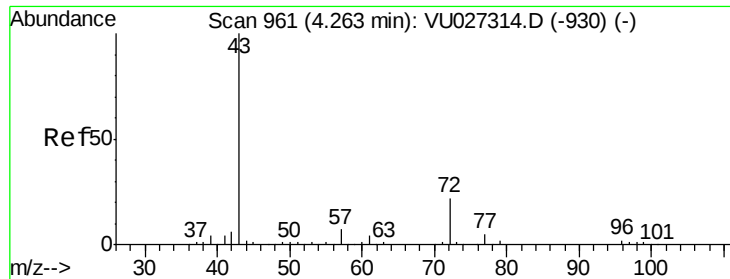


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 89.933 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

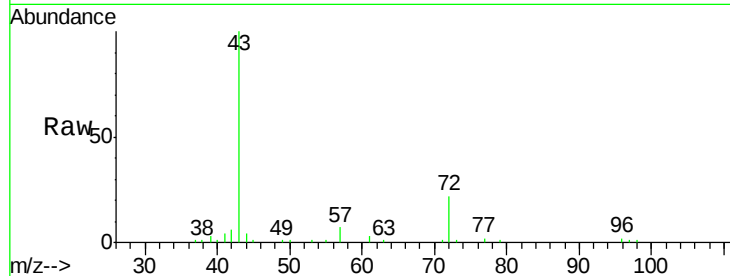
VSTDIC020

Tgt Ion: 43 Resp: 42243

Ion Ratio Lower Upper

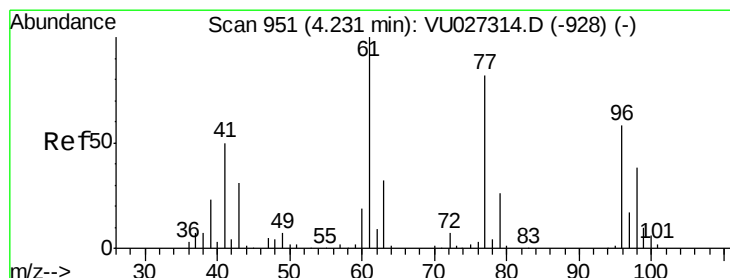
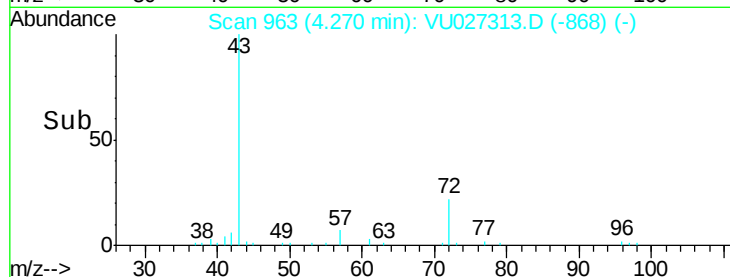
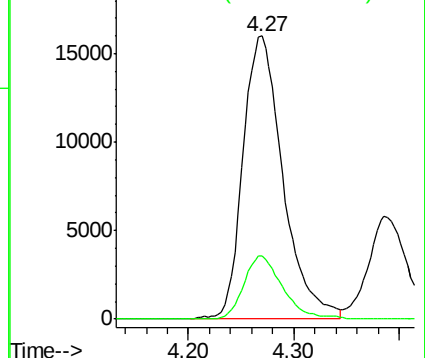
43 100

72 22.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 17.104 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027313.D

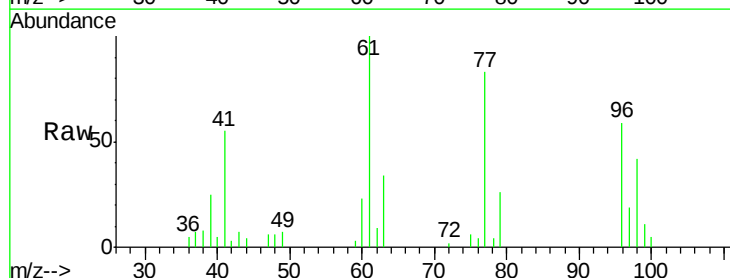
Acq: 01 Oct 2018 10:53

Tgt Ion: 77 Resp: 12862

Ion Ratio Lower Upper

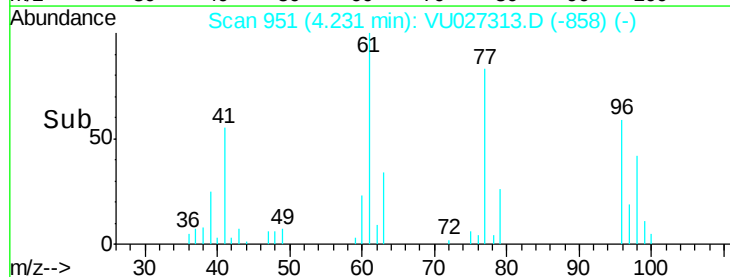
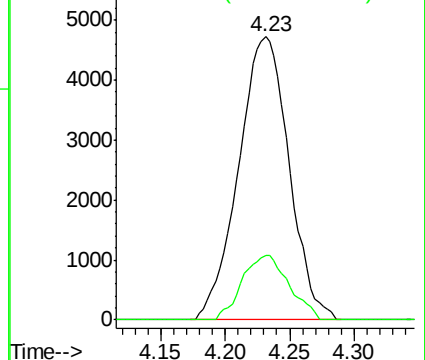
77 100

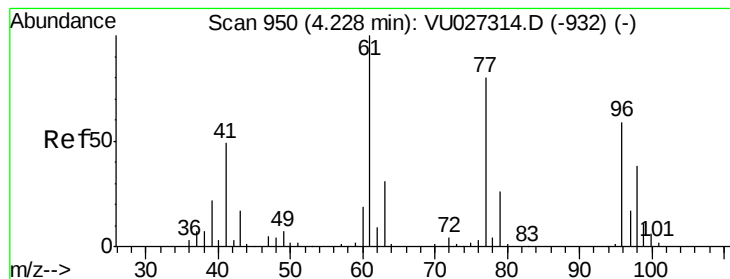
97 21.1 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



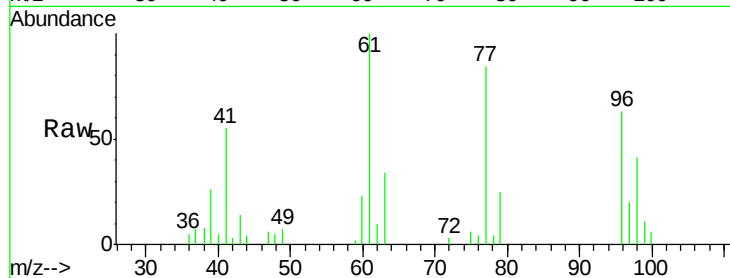


#27

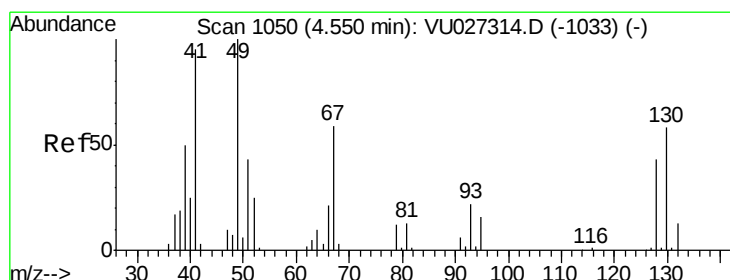
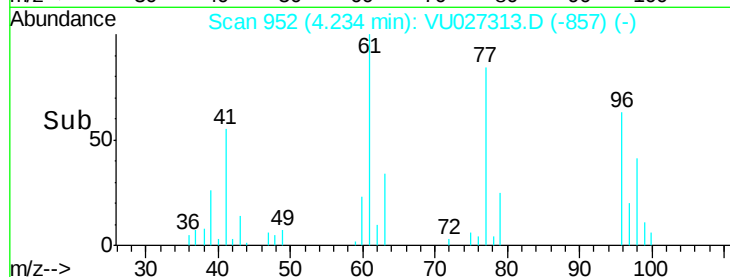
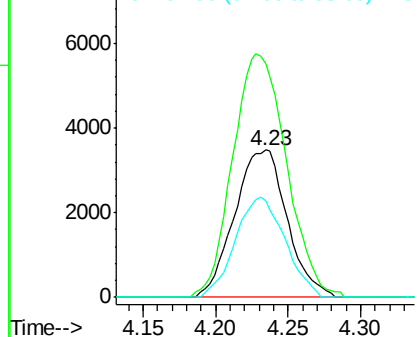
cis-1,2-Dichloroethene
 Concen: 18.524 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 8772
 Ion Ratio Lower Upper
 96 100
 61 168.7 0.0 343.8
 98 64.2 0.0 129.0



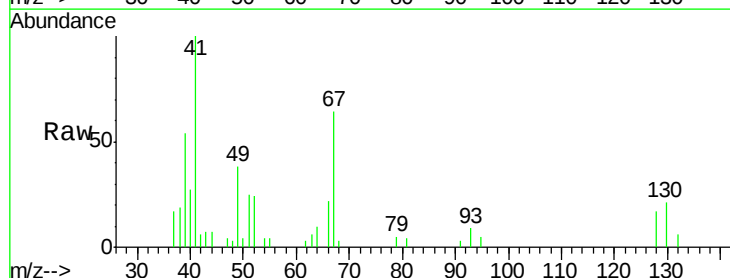
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



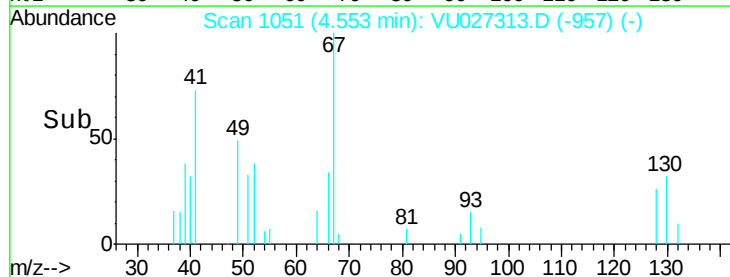
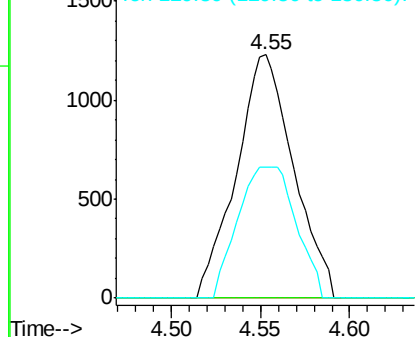
#28

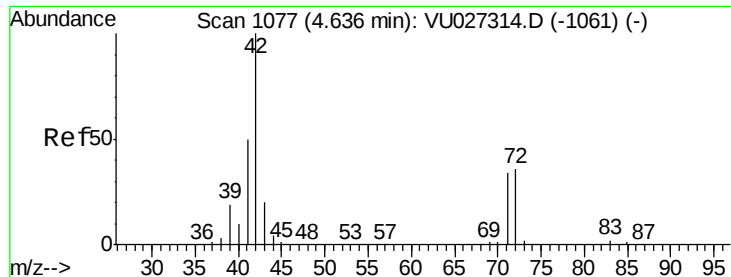
Bromochloromethane
 Concen: 6.226 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 49 Resp: 2749
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.0
 130 54.7 46.1 69.1



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

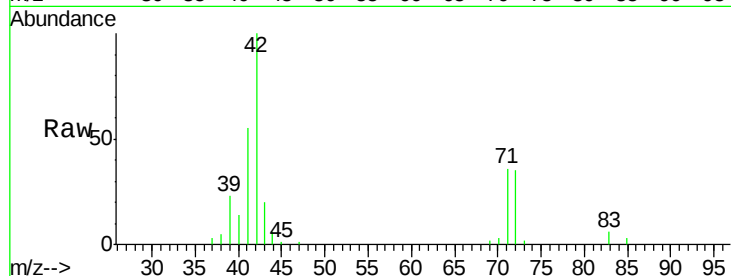




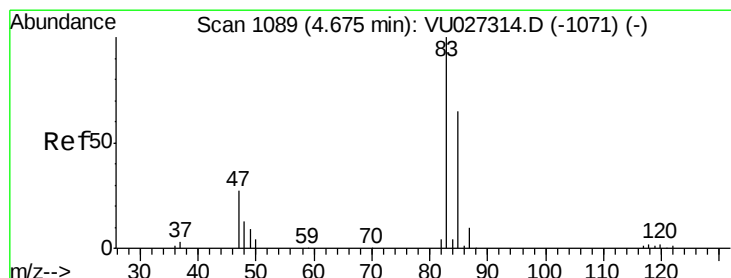
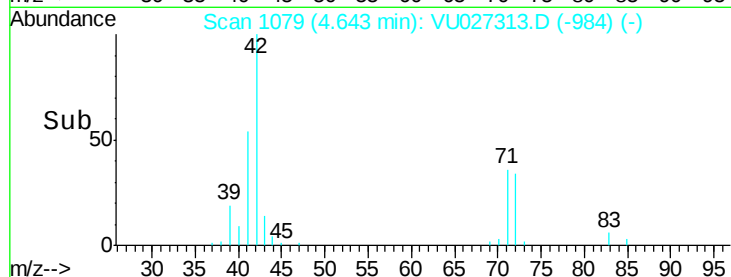
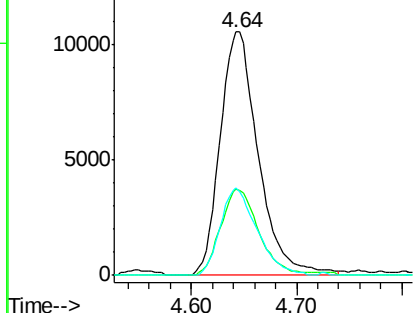
#29
Tetrahydrofuran
Concen: 89.578 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tgt Ion: 42 Resp: 26517
Ion Ratio Lower Upper
42 100
72 35.3 30.1 45.1
71 34.5 27.7 41.5

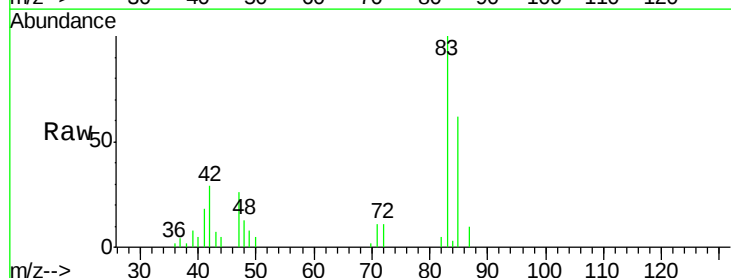


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

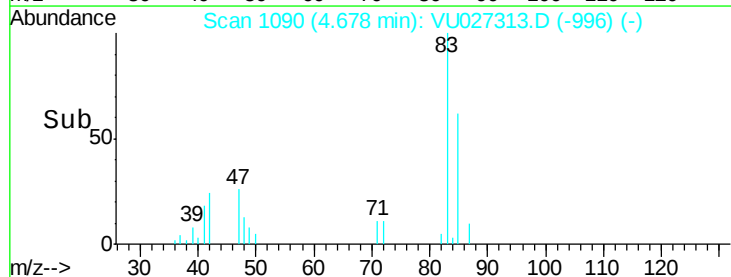
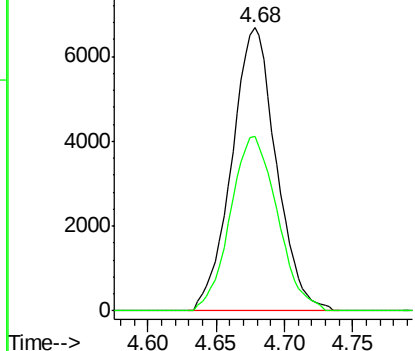


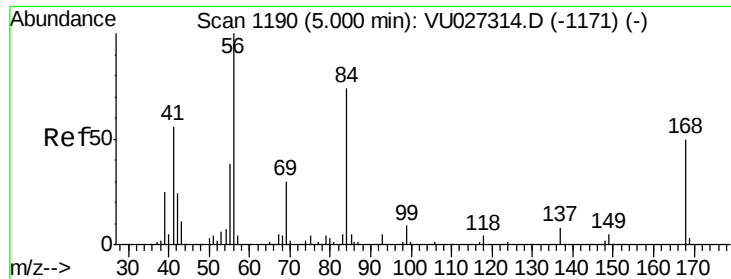
#30
Chloroform
Concen: 18.575 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 83 Resp: 15103
Ion Ratio Lower Upper
83 100
85 61.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0

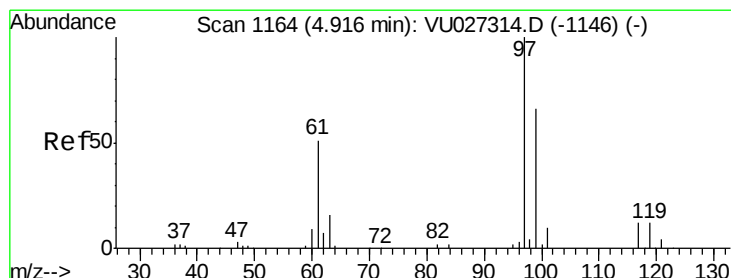
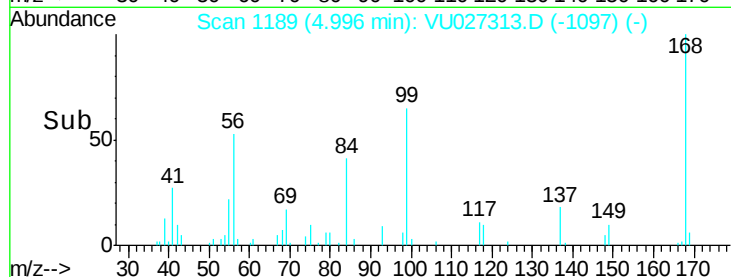
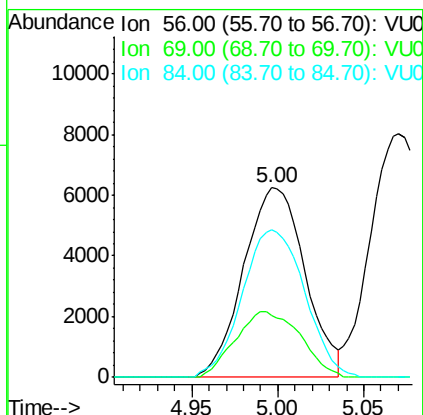
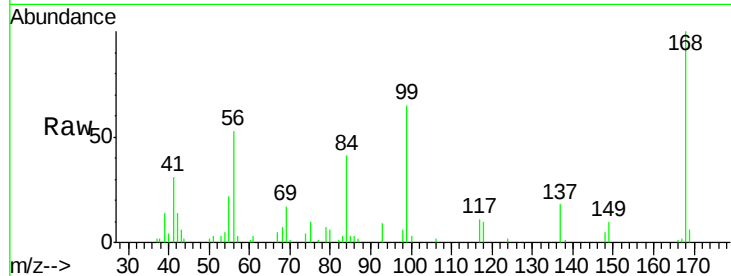




#31
Cyclohexane
Concen: 14.491 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

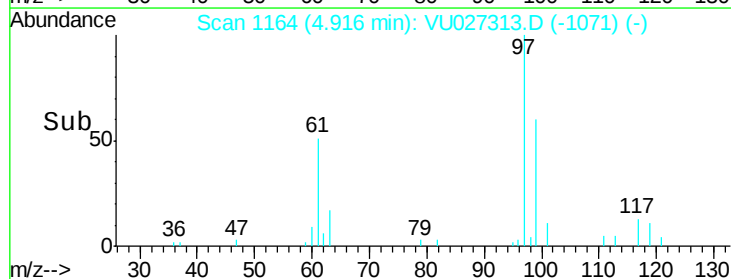
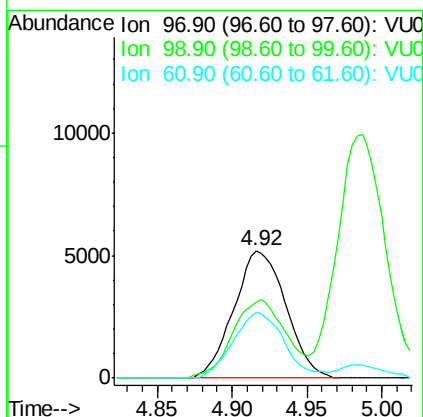
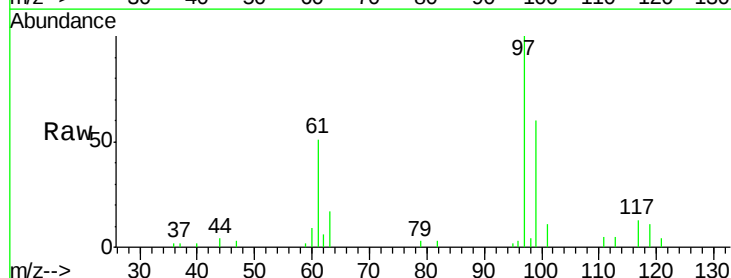
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

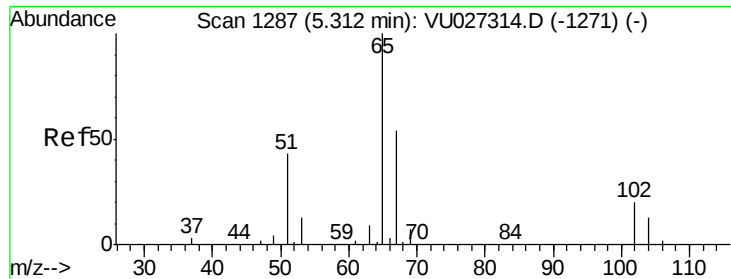
Tgt Ion: 56 Resp: 15508
Ion Ratio Lower Upper
56 100
69 32.4 24.1 36.1
84 78.2 59.1 88.7



#32
1,1,1-Trichloroethane
Concen: 18.334 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 97 Resp: 12555
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 51.1 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 8.551 ug/l

RT: 5.32 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

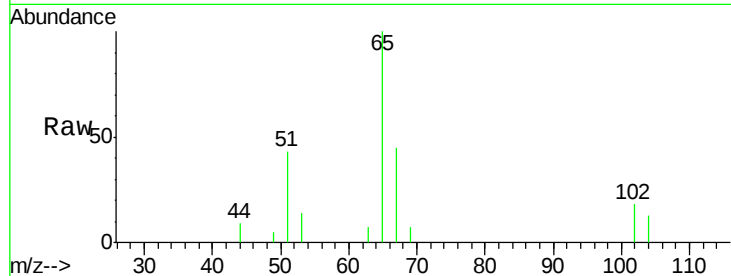
VSTDIC020

Tgt Ion: 65 Resp: 4738

Ion Ratio Lower Upper

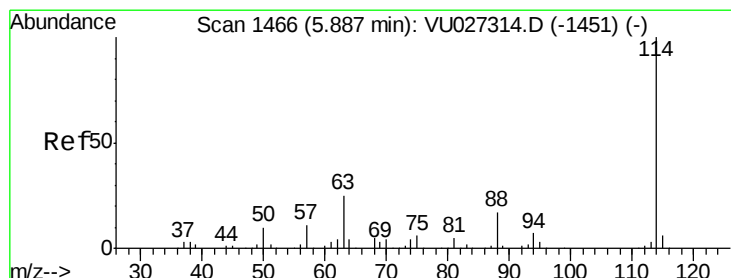
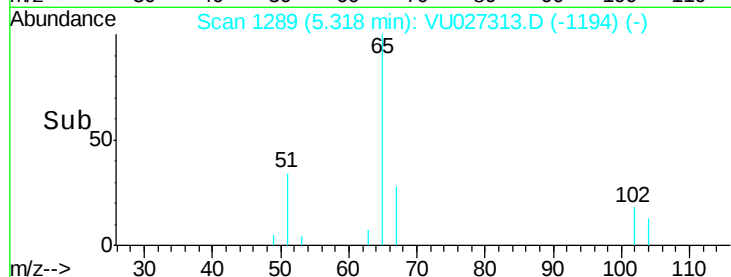
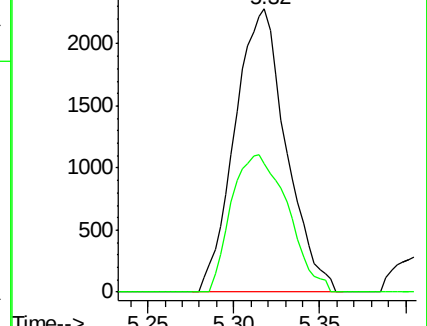
65 100

67 53.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027313.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027313.D (-1194) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

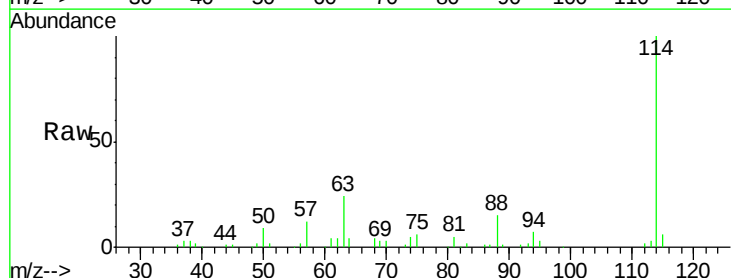
Tgt Ion: 114 Resp: 60463

Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.2

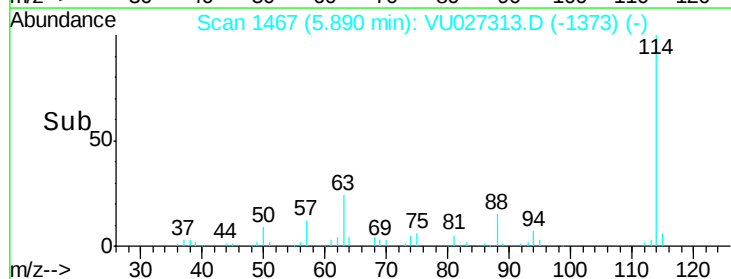
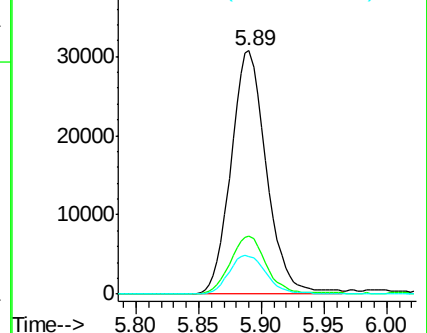
88 15.4 0.0 33.8

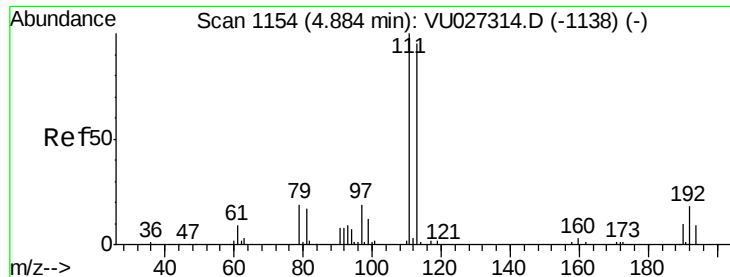


Abundance Ion 113.90 (113.60 to 114.60): VU027313.D (-1373) (-)

Ion 63.00 (62.70 to 63.70): VU027313.D (-1373) (-)

Ion 87.90 (87.60 to 88.60): VU027313.D (-1373) (-)

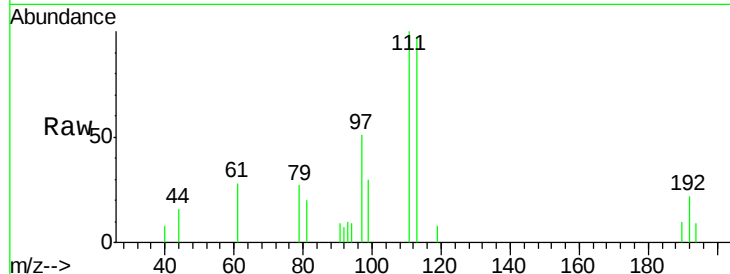




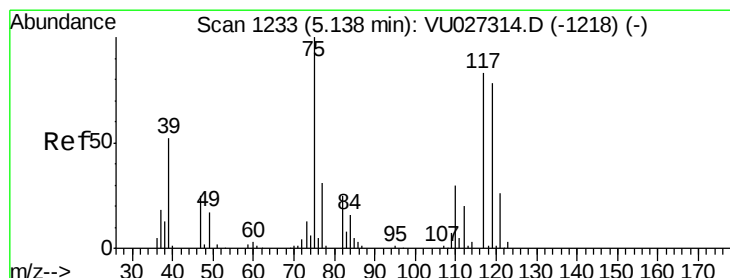
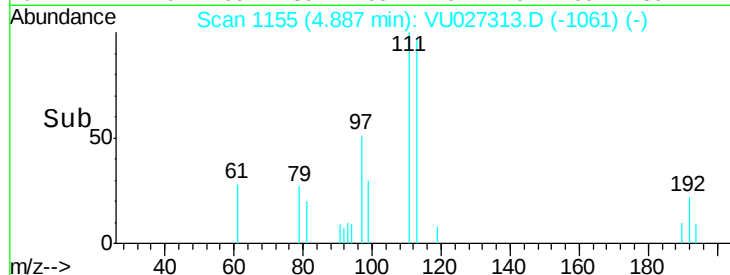
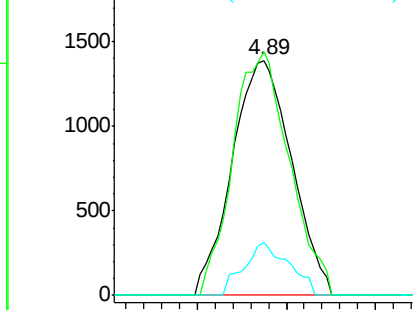
#35
 Dibromofluoromethane
 Concen: 8.134 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 3232
 Ion Ratio Lower Upper
 113 100
 111 98.7 83.1 124.7
 192 16.9 15.4 23.0

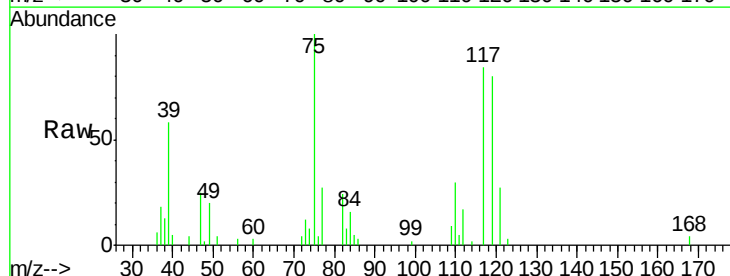


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

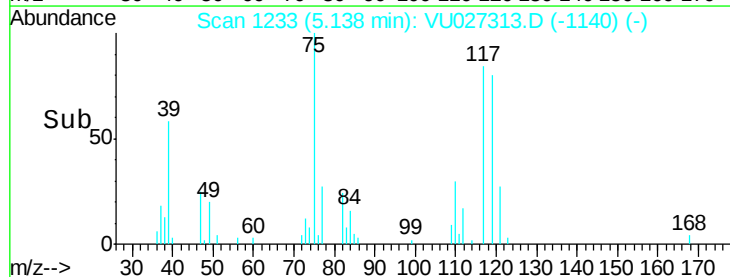
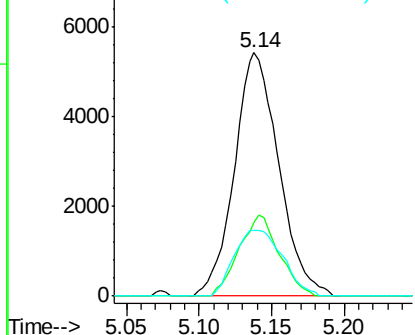


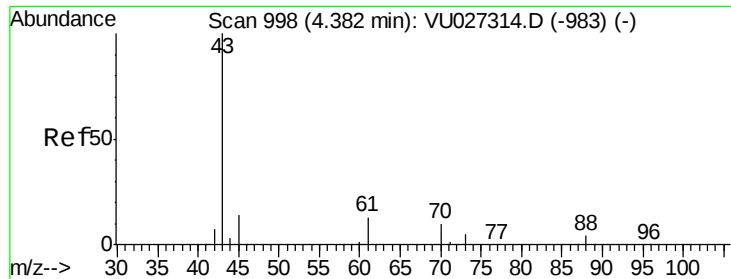
#36
 1,1-Dichloropropene
 Concen: 17.568 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 75 Resp: 11533
 Ion Ratio Lower Upper
 75 100
 110 30.1 15.5 46.5
 77 29.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

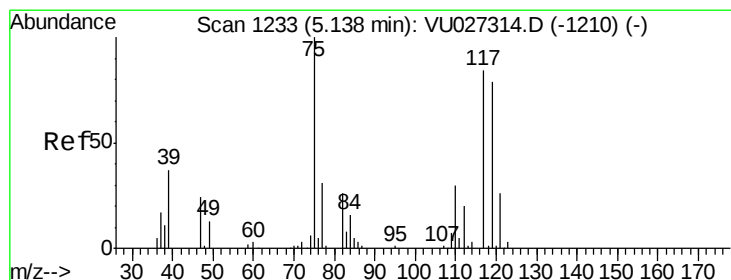
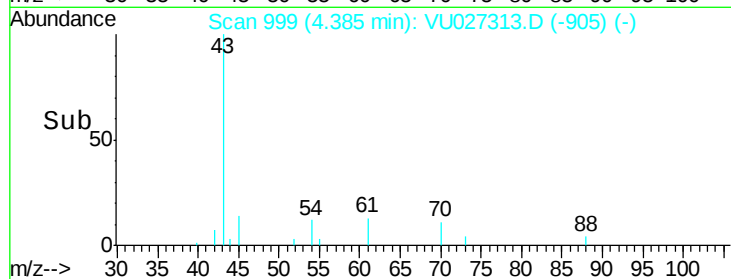
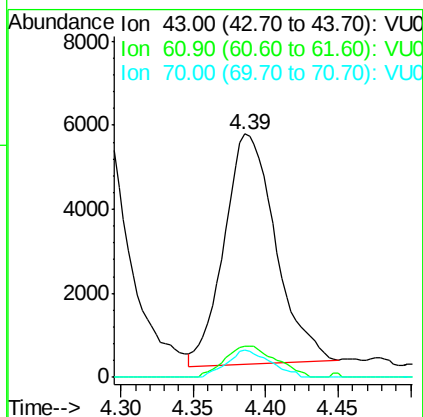
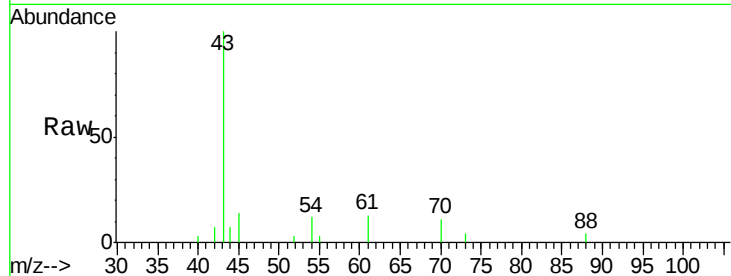




#37
Ethyl Acetate
Concen: 16.682 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

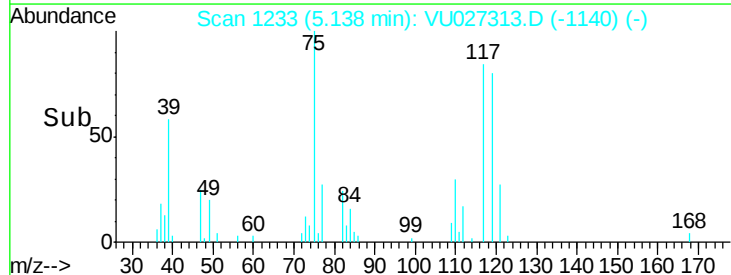
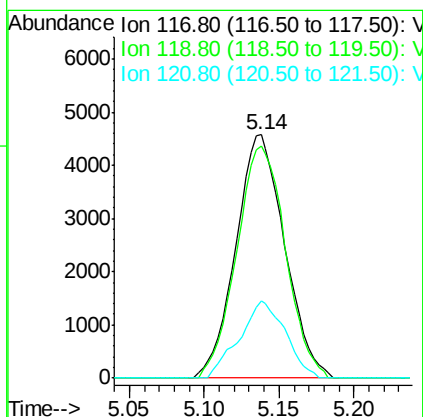
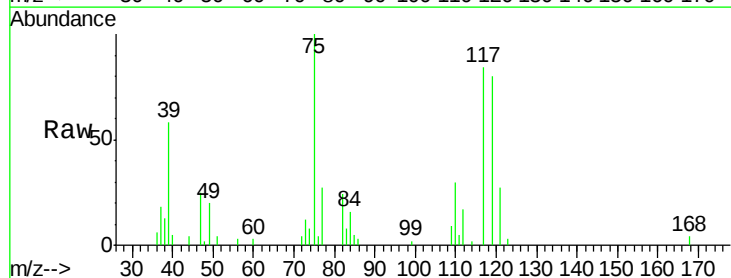
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

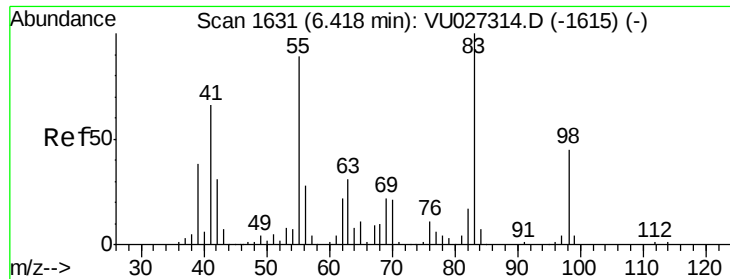
Tgt Ion: 43 Resp: 13504
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.0 7.4 11.2



#38
Carbon Tetrachloride
Concen: 17.524 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 117 Resp: 10392
Ion Ratio Lower Upper
117 100
119 95.1 74.5 111.7
121 31.7 24.6 37.0

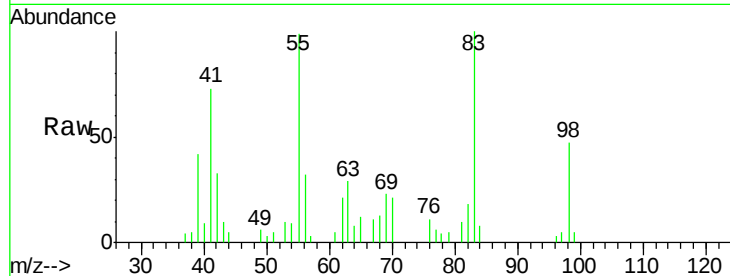




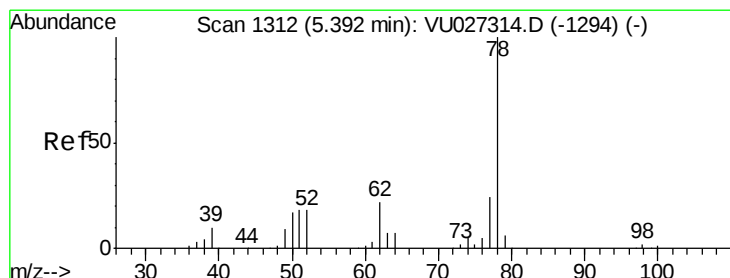
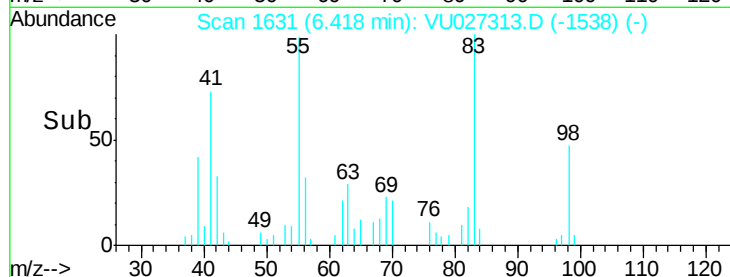
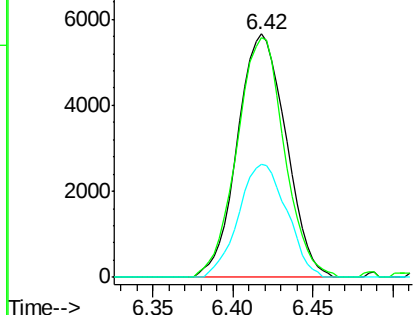
#39
Methylcyclohexane
Concen: 15.285 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 11730
Ion Ratio Lower Upper
83 100
55 98.7 71.1 106.7
98 46.7 36.3 54.5

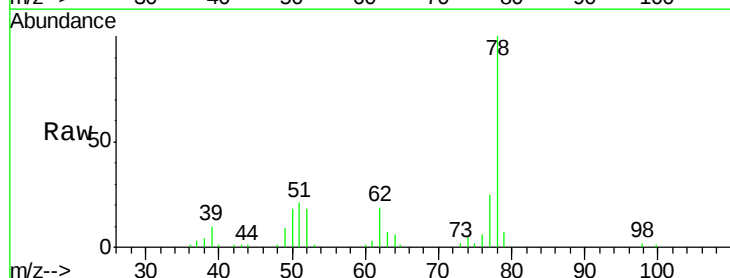


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

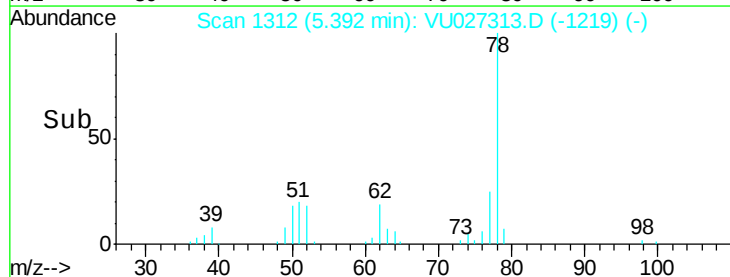
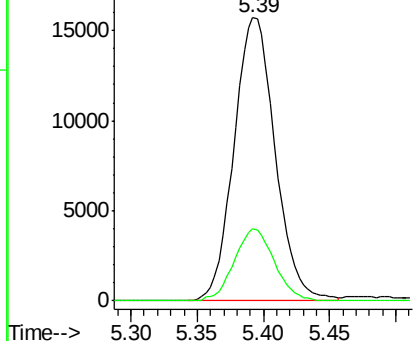


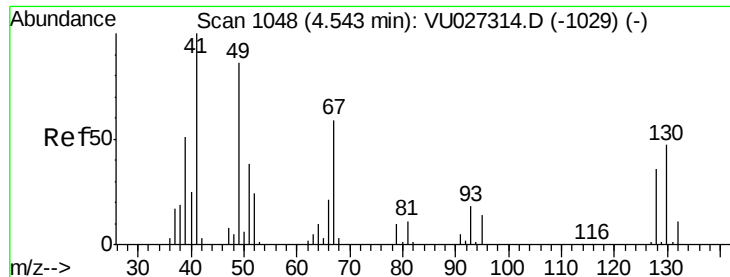
#40
Benzene
Concen: 17.743 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 78 Resp: 33929
Ion Ratio Lower Upper
78 100
77 25.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

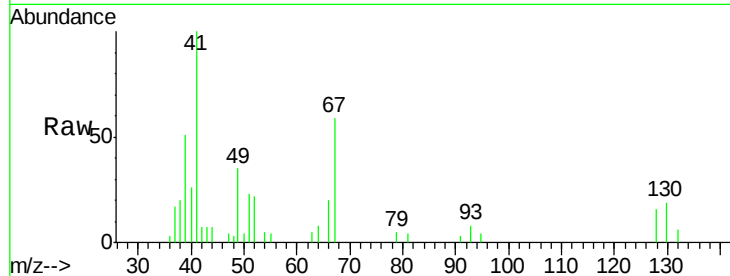




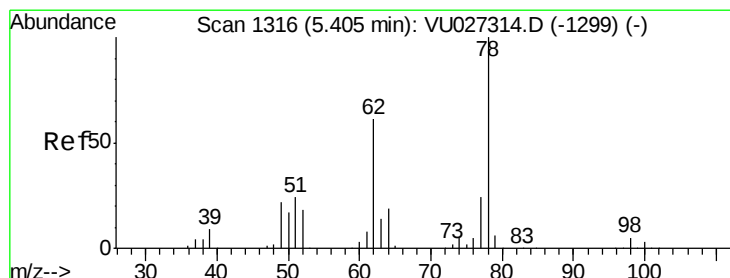
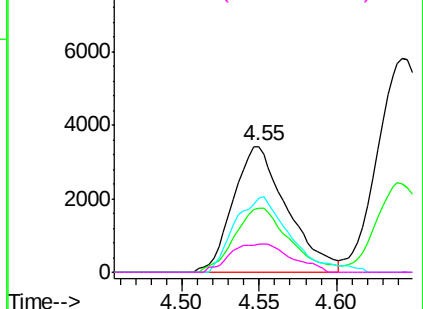
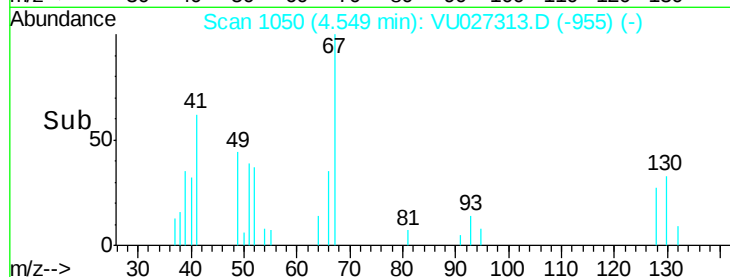
#41
Methacrylonitrile
Concen: 17.299 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 8296
Ion Ratio Lower Upper
41 100
39 52.5 41.1 61.7
67 61.6 50.4 75.6
52 25.2 20.3 30.5

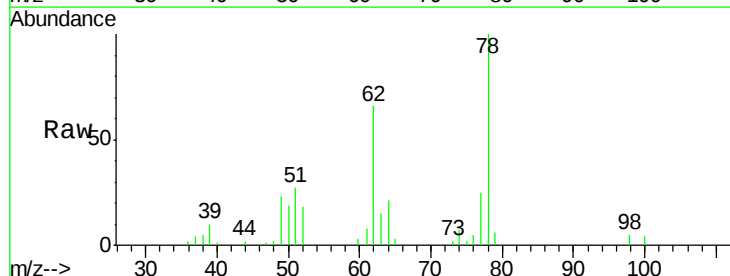


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

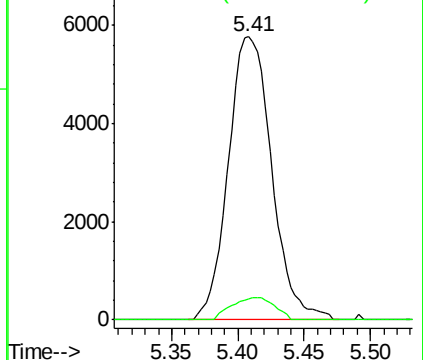
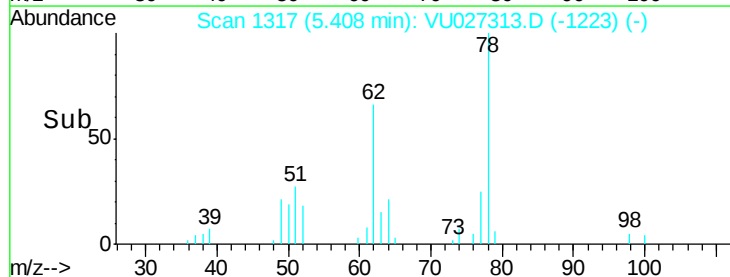


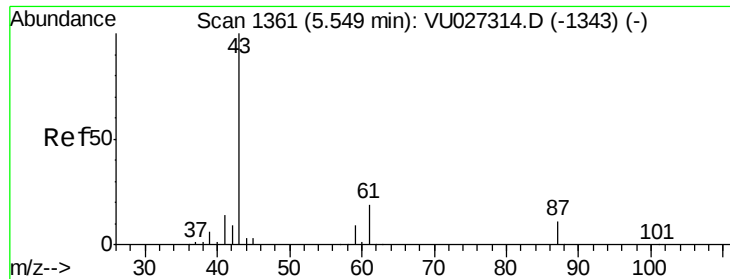
#42
1,2-Dichloroethane
Concen: 18.474 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 62 Resp: 13113
Ion Ratio Lower Upper
62 100
98 7.8 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

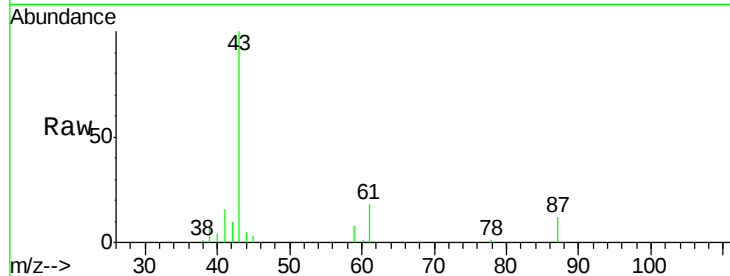




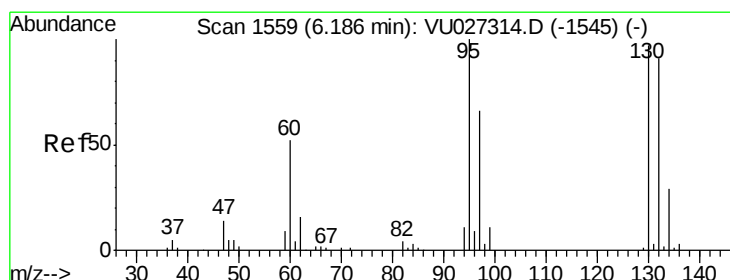
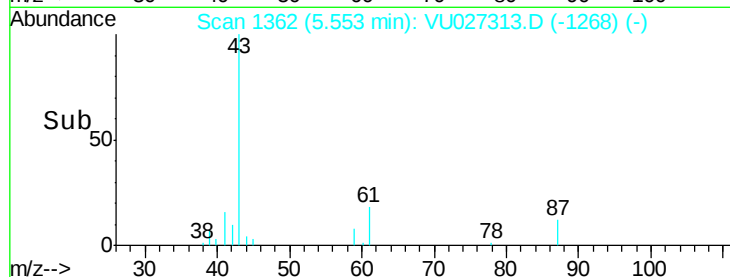
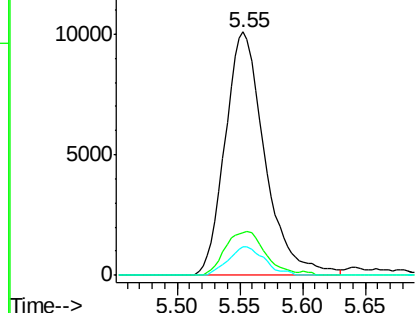
#43
Isopropyl Acetate
Concen: 16.859 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 22216
Ion Ratio Lower Upper
43 100
61 17.9 15.3 22.9
87 10.7 8.6 13.0

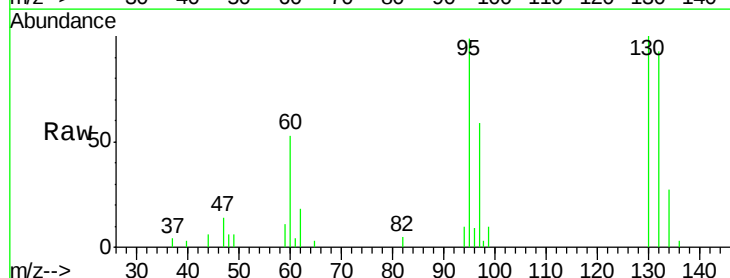


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

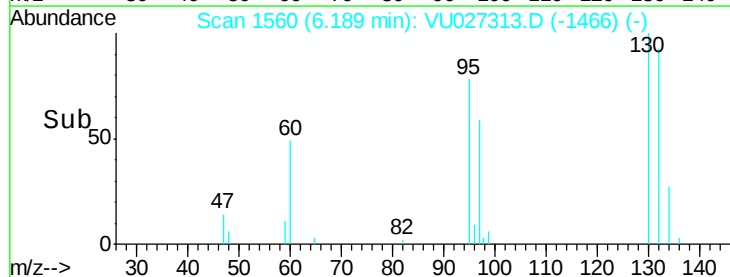
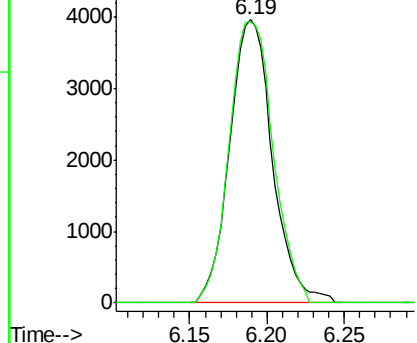


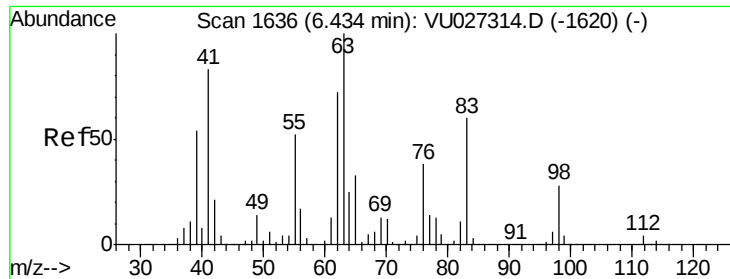
#44
Trichloroethene
Concen: 17.833 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 130 Resp: 7604
Ion Ratio Lower Upper
130 100
95 99.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 17.233 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

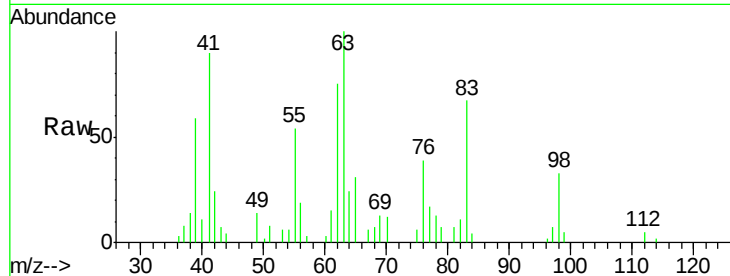
VSTDIC020

Tgt Ion: 63 Resp: 9505

Ion Ratio Lower Upper

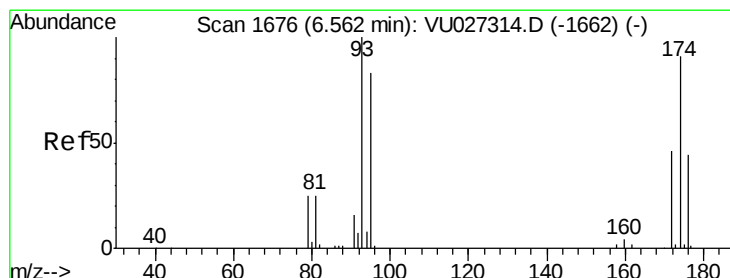
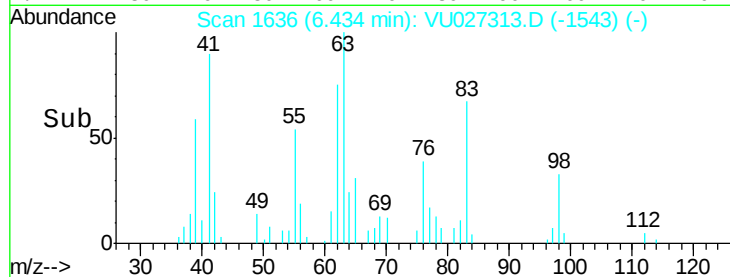
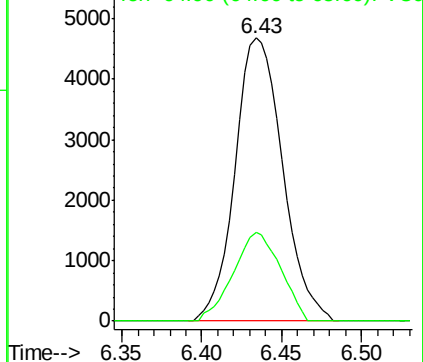
63 100

65 31.5 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 18.676 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

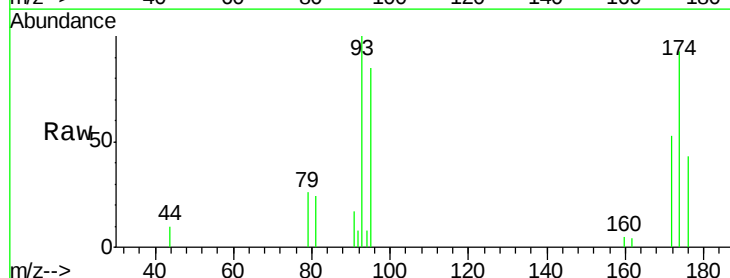
Tgt Ion: 93 Resp: 5818

Ion Ratio Lower Upper

93 100

95 84.9 66.5 99.7

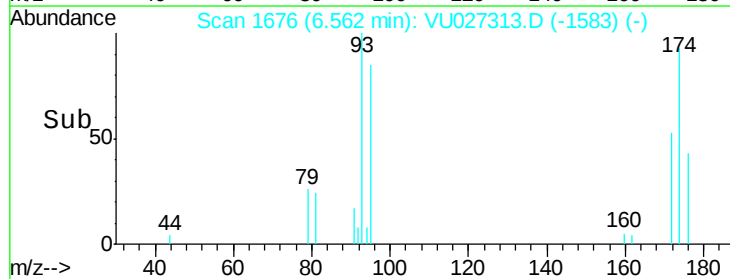
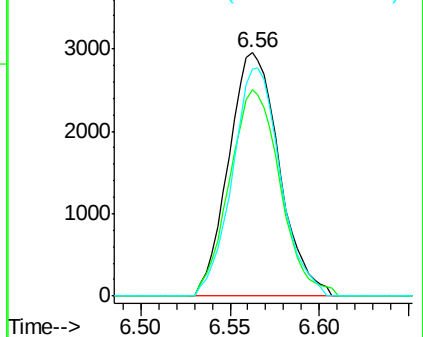
174 88.8 72.5 108.7

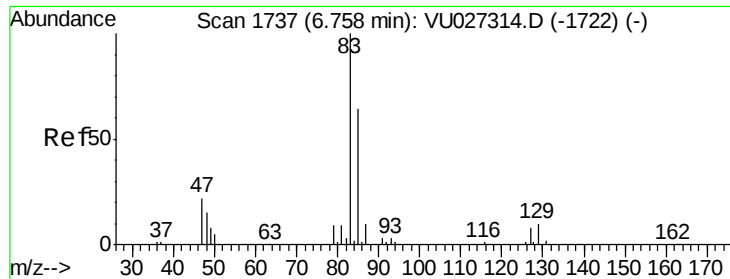


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.002 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

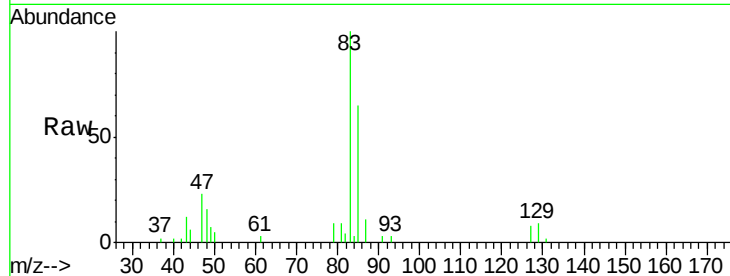
Tgt Ion: 83 Resp: 10990

Ion Ratio Lower Upper

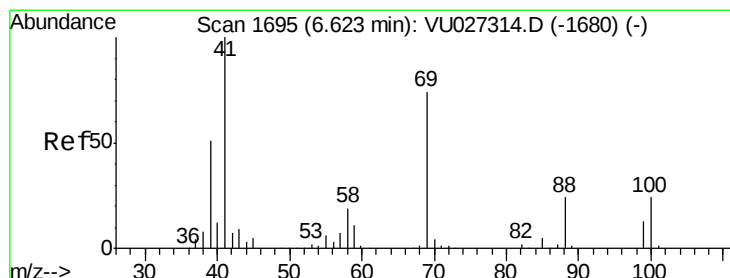
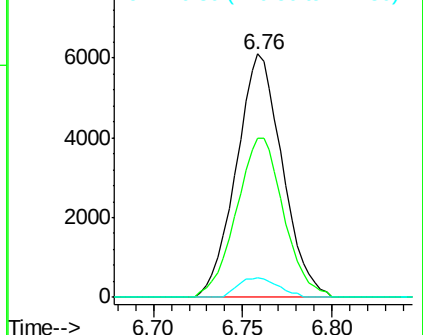
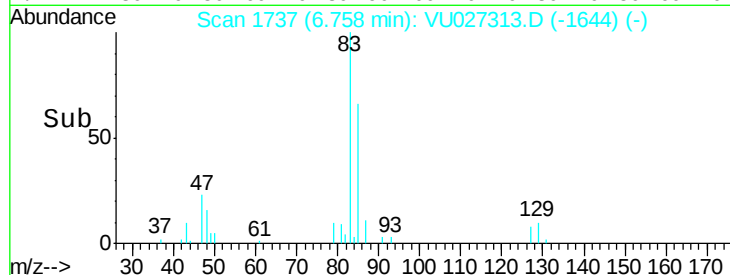
83 100

85 65.2 51.4 77.0

127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU027313.D (-1644) (-)



#48

Methyl methacrylate

Concen: 15.778 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

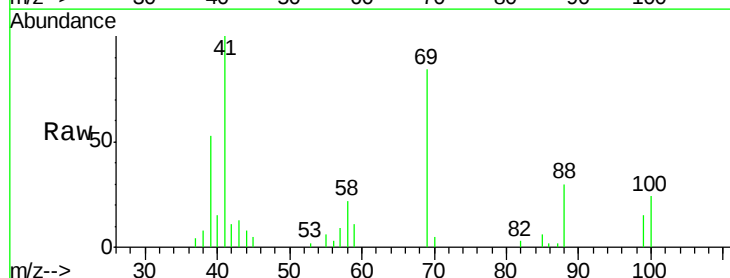
Tgt Ion: 41 Resp: 10339

Ion Ratio Lower Upper

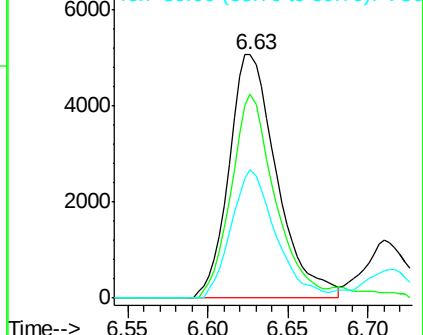
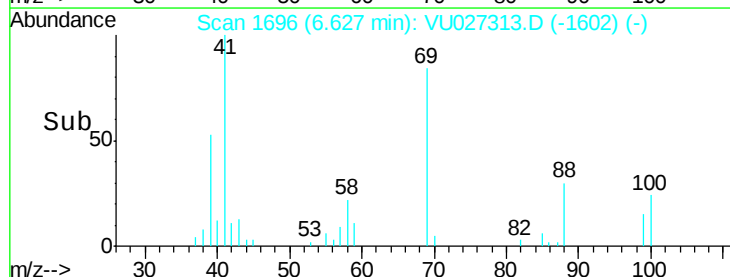
41 100

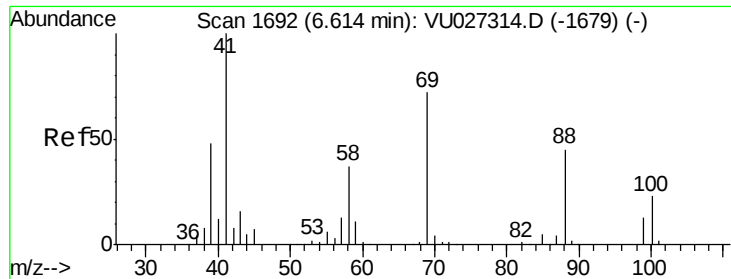
69 76.3 61.0 91.4

39 48.9 39.9 59.9



Abundance Ion 41.00 (40.70 to 41.70): VU027313.D (-1602) (-)

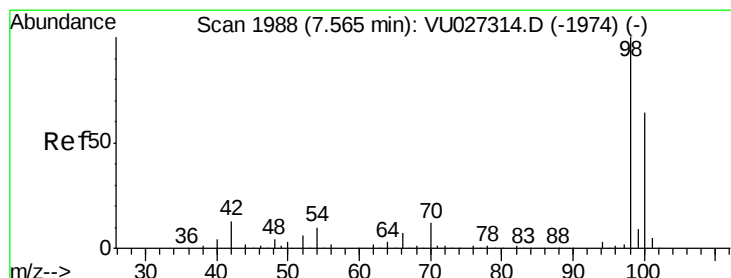
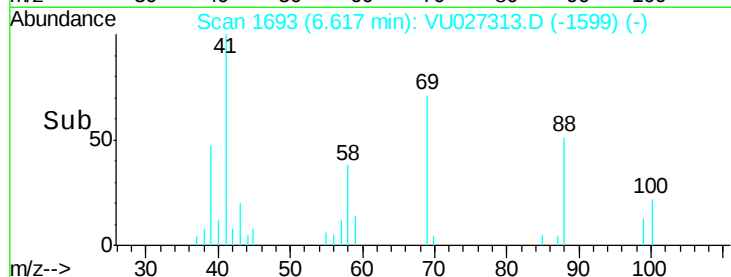
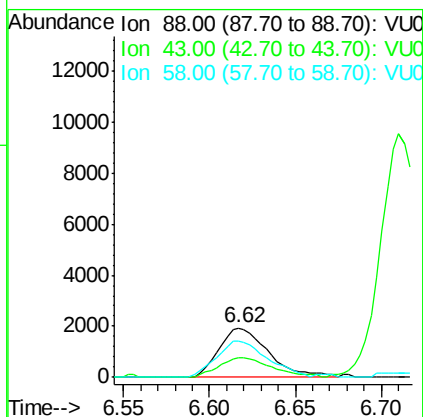
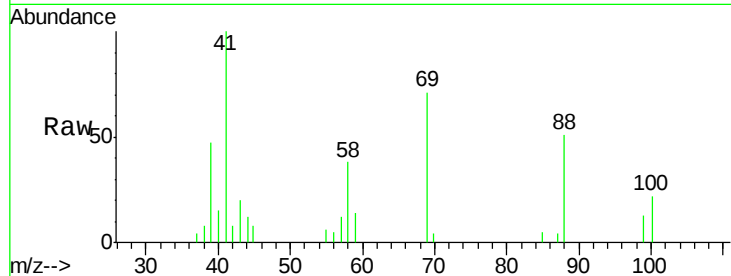




#49
1,4-Dioxane
Concen: 346.259 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

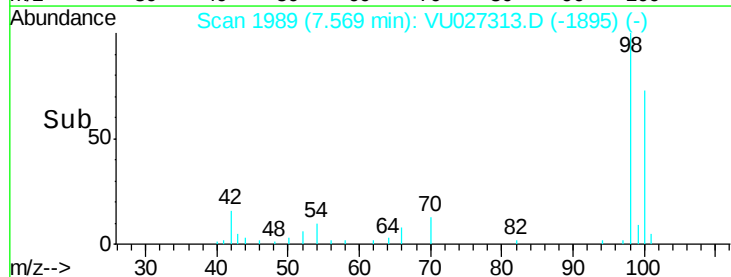
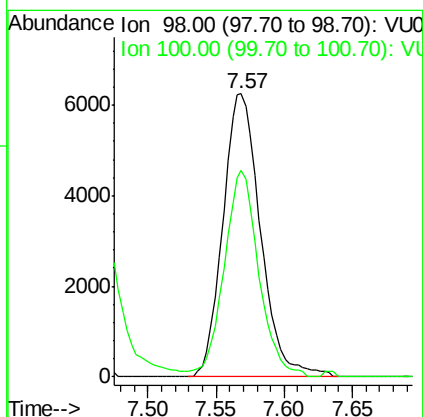
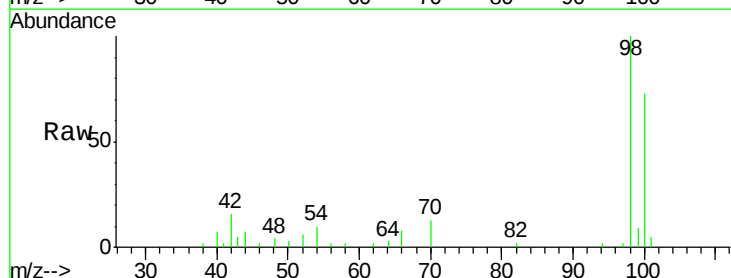
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

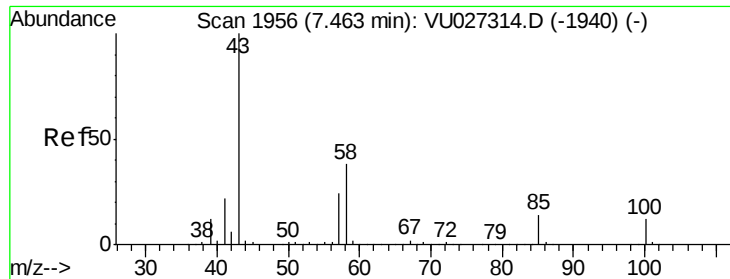
Tgt Ion: 88 Resp: 3904
Ion Ratio Lower Upper
88 100
43 43.1 30.8 46.2
58 74.8 67.0 100.6



#50
Toluene-d8
Concen: 7.705 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 98 Resp: 11948
Ion Ratio Lower Upper
98 100
100 67.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 84.415 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

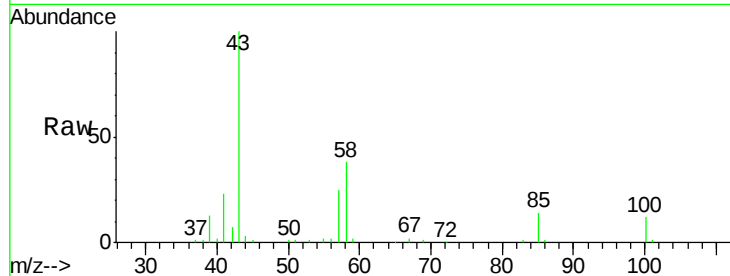
VSTDIC020

Tgt Ion: 43 Resp: 72283

Ion Ratio Lower Upper

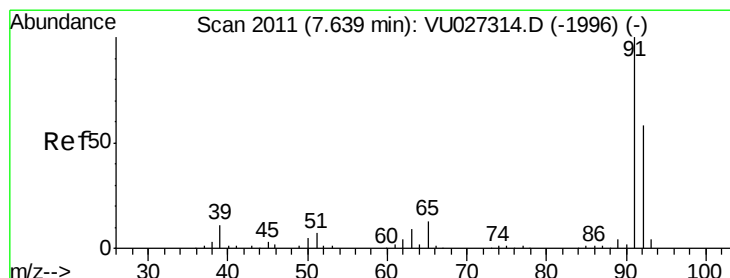
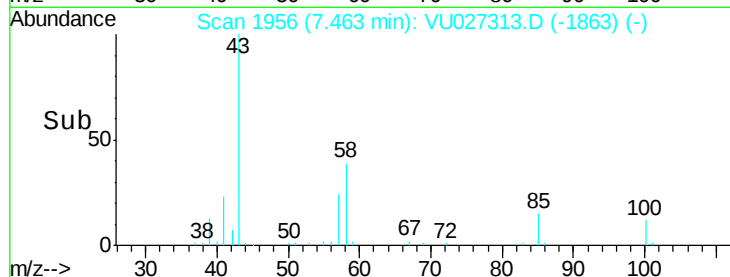
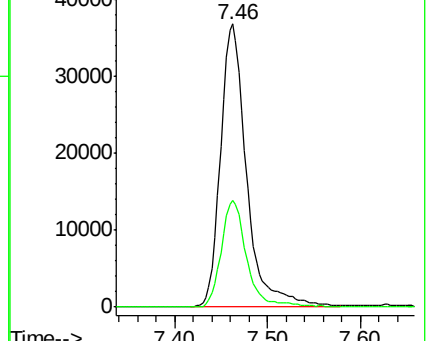
43 100

58 36.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 17.178 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027313.D

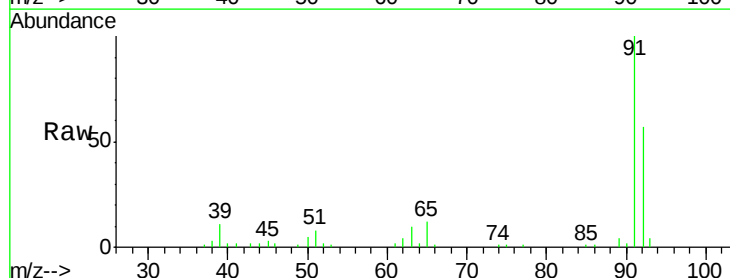
Acq: 01 Oct 2018 10:53

Tgt Ion: 92 Resp: 19443

Ion Ratio Lower Upper

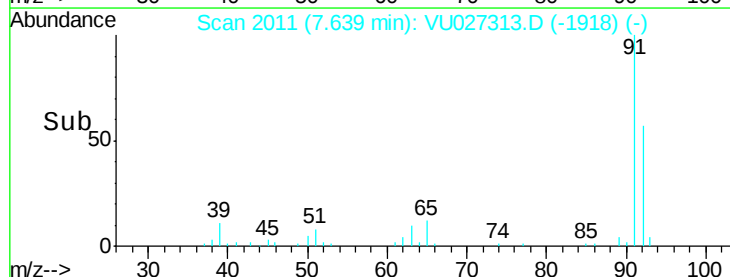
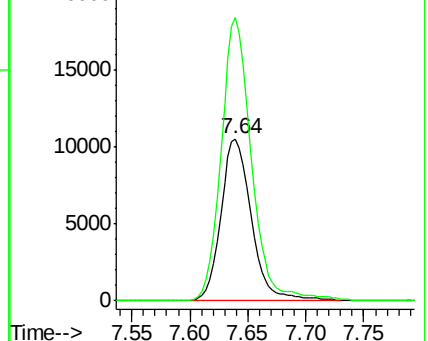
92 100

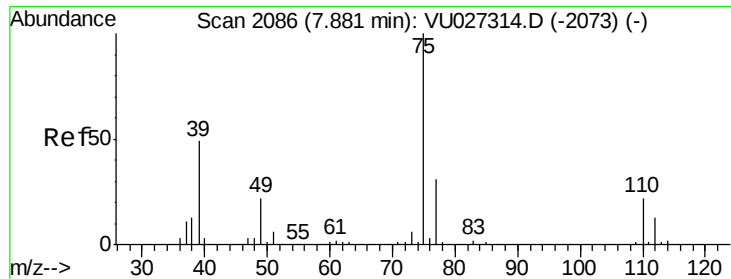
91 173.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 16.789 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

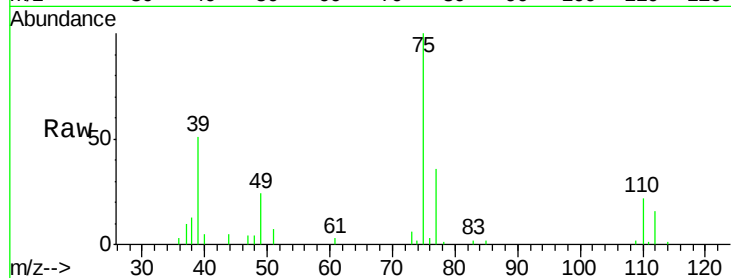
VSTDIC020

Tgt Ion: 75 Resp: 12724

Ion Ratio Lower Upper

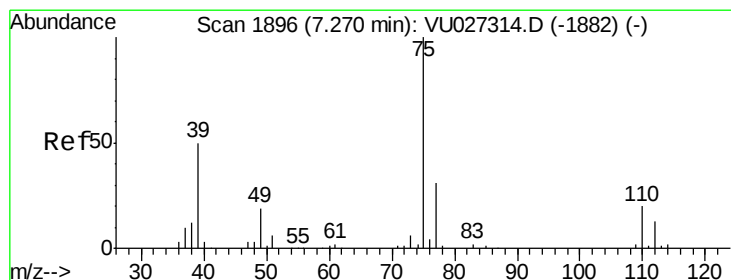
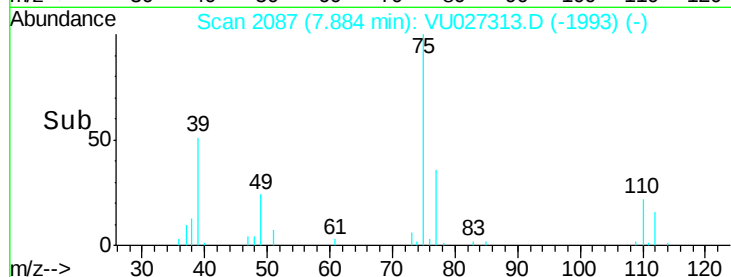
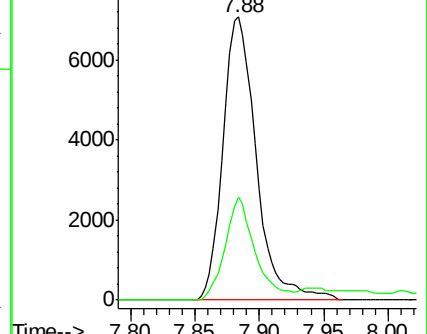
75 100

77 36.5 25.0 37.6



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: 17.451 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

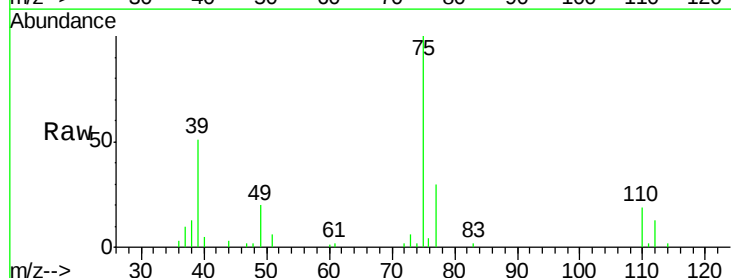
Tgt Ion: 75 Resp: 14218

Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7

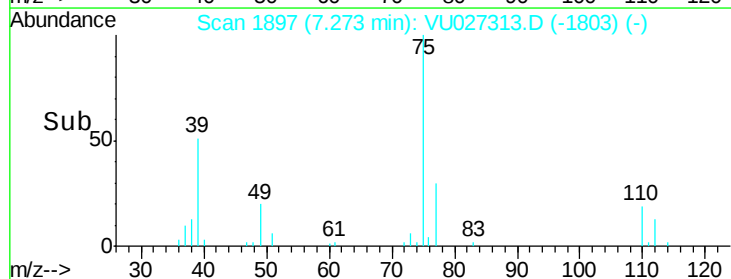
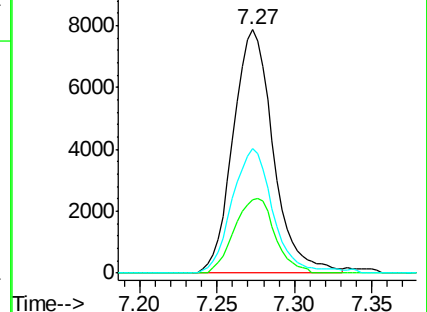
39 51.1 40.1 60.1

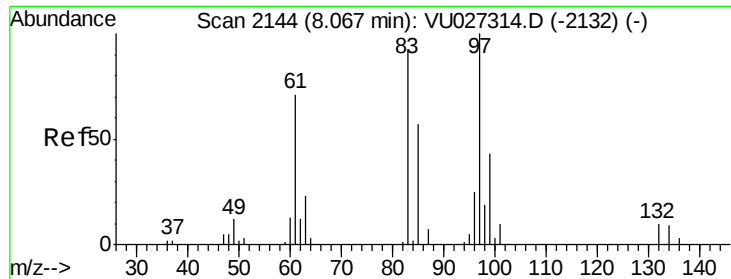


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



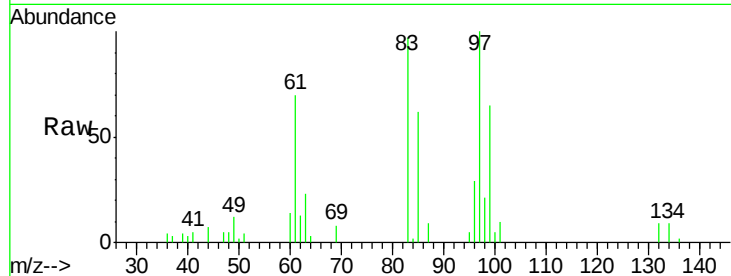


#55
 1,1,2-Trichloroethane
 Concen: 18.098 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 8122

Ion	Ratio	Lower	Upper
97	100		
83	96.6	73.0	109.6
85	62.0	47.3	70.9
99	65.4	49.7	74.5

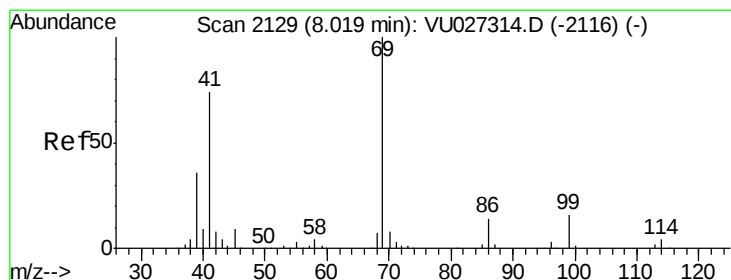
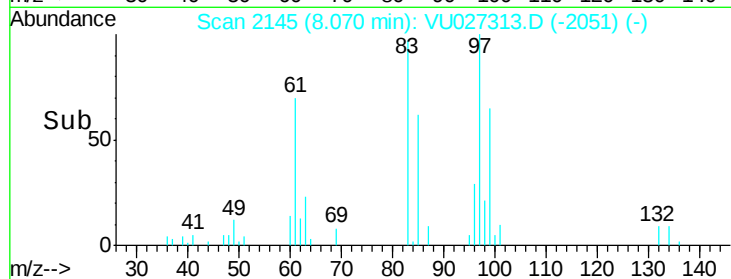
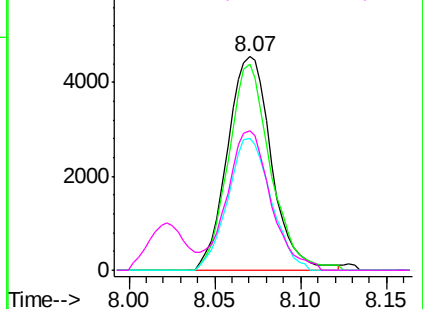


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

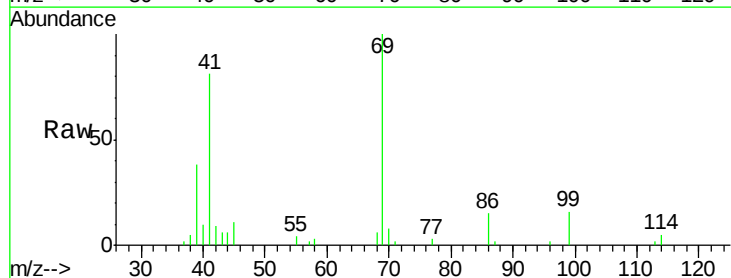
Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 15.544 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 69 Resp: 11577

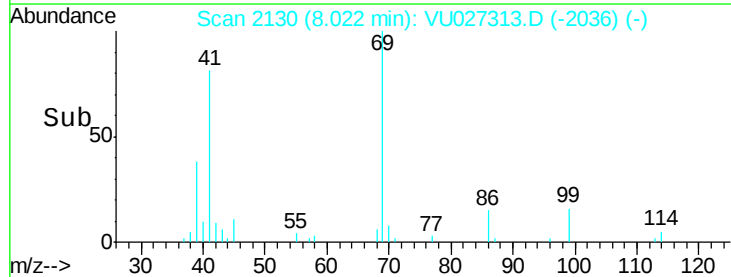
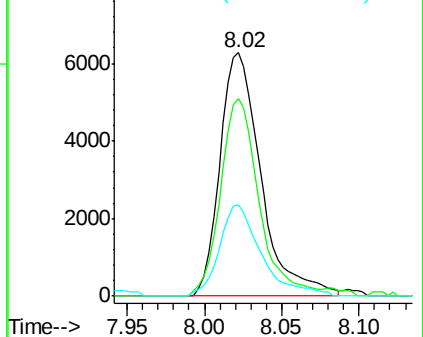
Ion	Ratio	Lower	Upper
69	100		
41	77.5	60.0	90.0
39	38.1	29.5	44.3

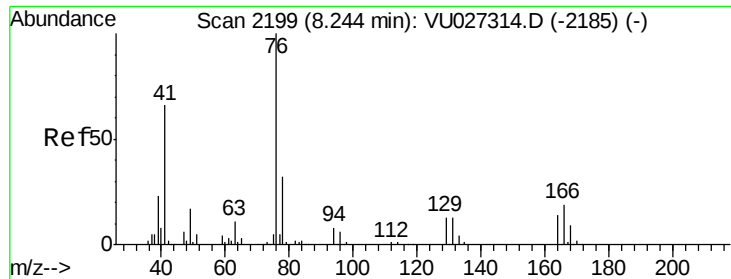


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

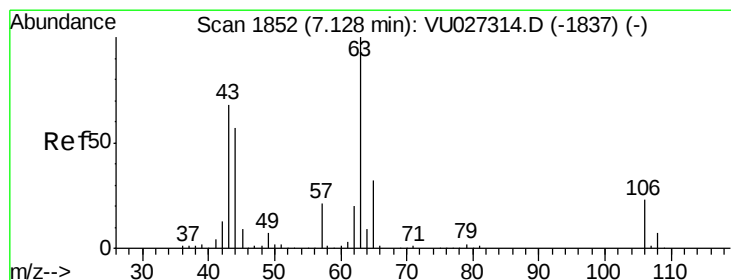
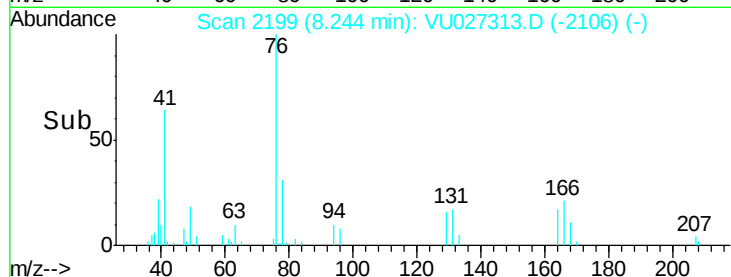
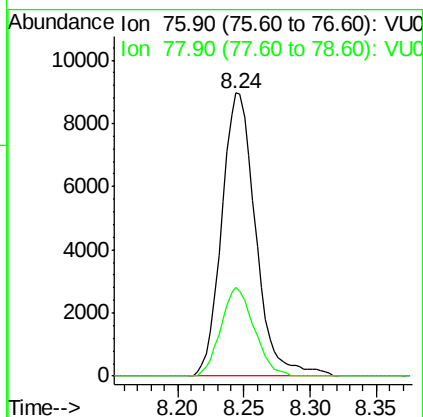
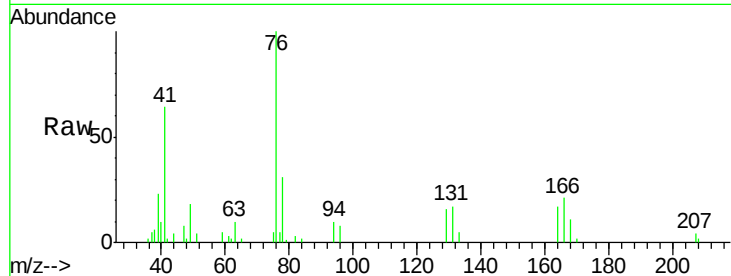




#57
 1,3-Dichloropropane
 Concen: 18.334 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

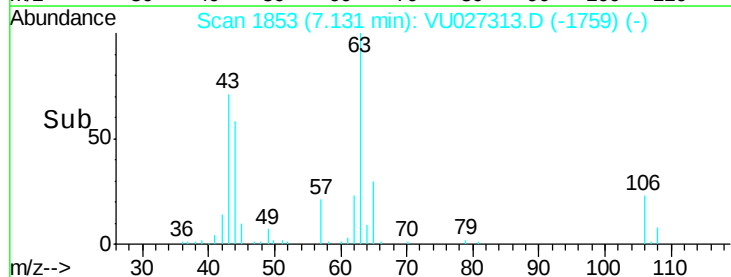
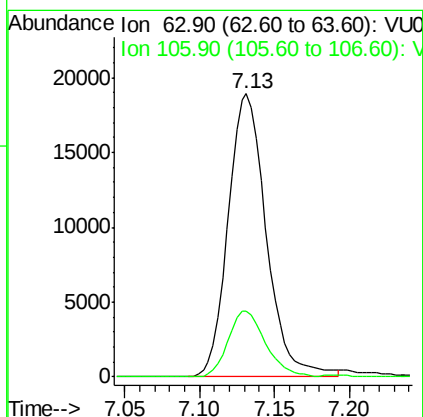
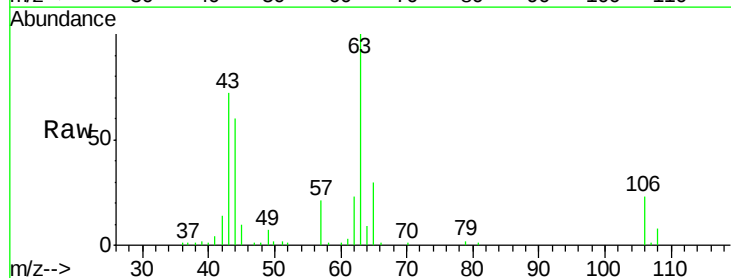
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

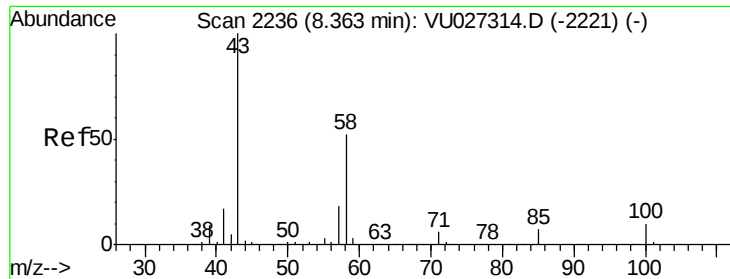
Tgt Ion: 76 Resp: 15972
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.883 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 63 Resp: 33652
 Ion Ratio Lower Upper
 63 100
 106 22.7 18.5 27.7

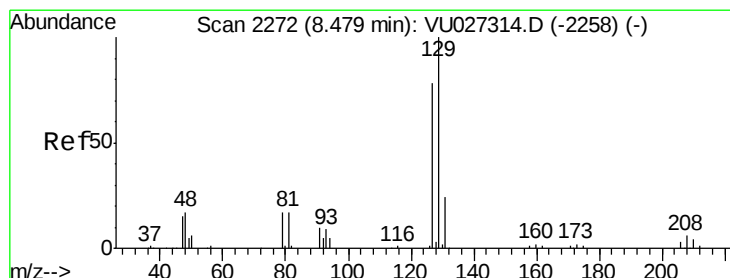
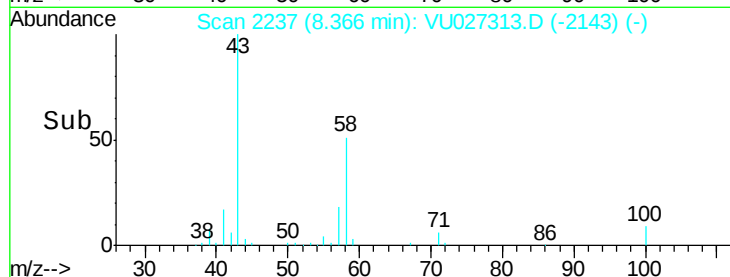
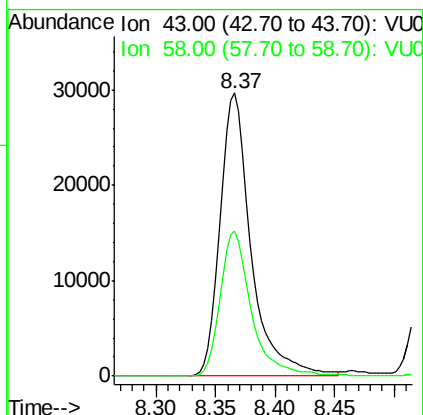
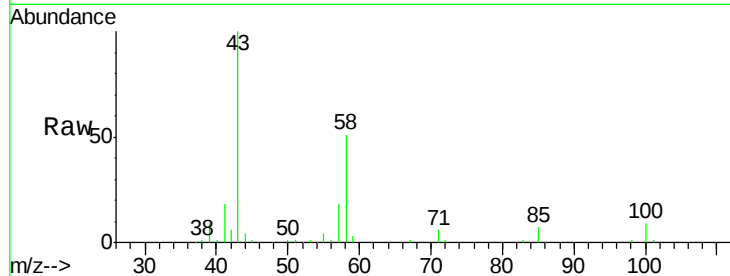




#59
2-Hexanone
Concen: 80.964 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

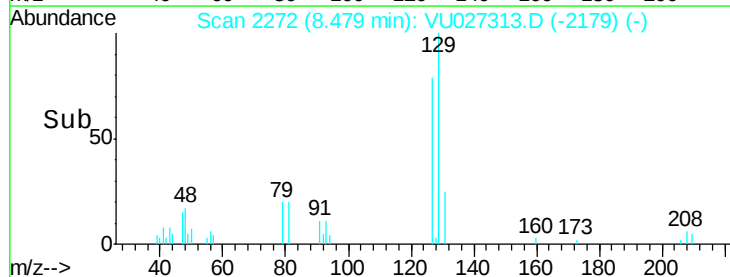
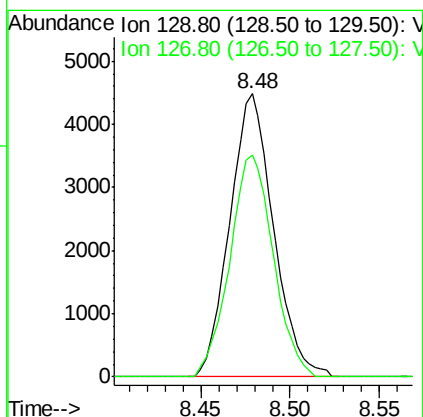
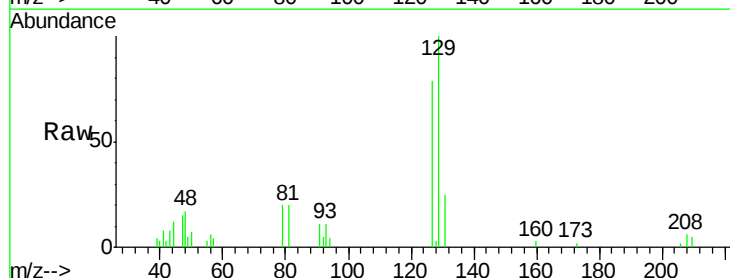
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

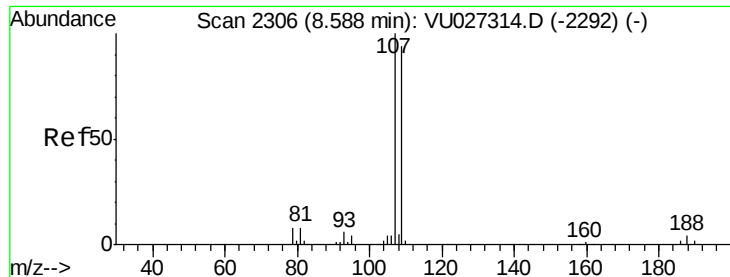
Tgt Ion: 43 Resp: 53779
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.3



#60
Dibromochloromethane
Concen: 16.937 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 129 Resp: 7623
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.953 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

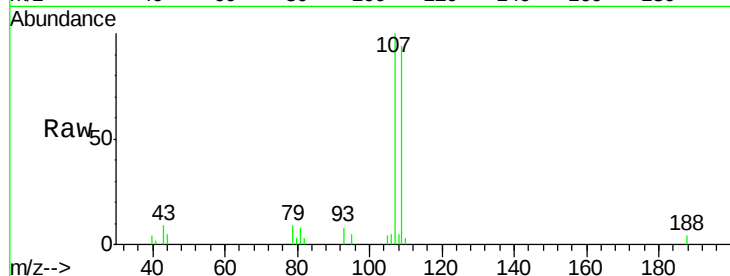
VSTDIC020

Tgt Ion: 107 Resp: 8566

Ion Ratio Lower Upper

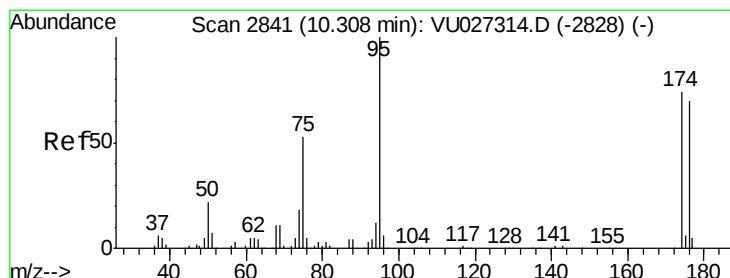
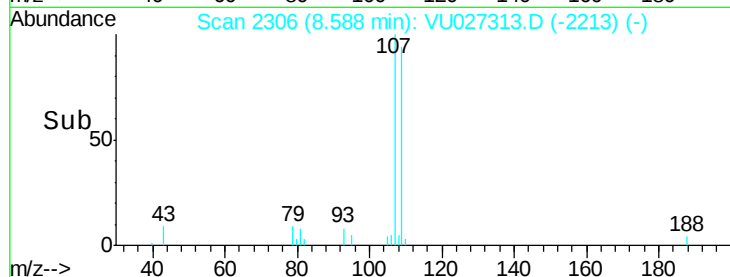
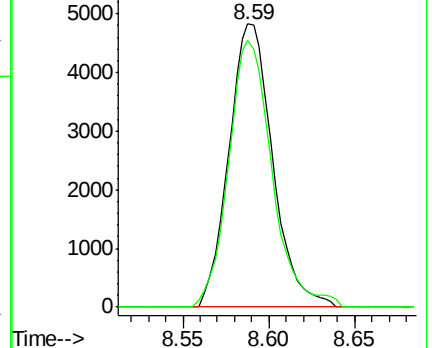
107 100

109 93.9 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 7.812 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

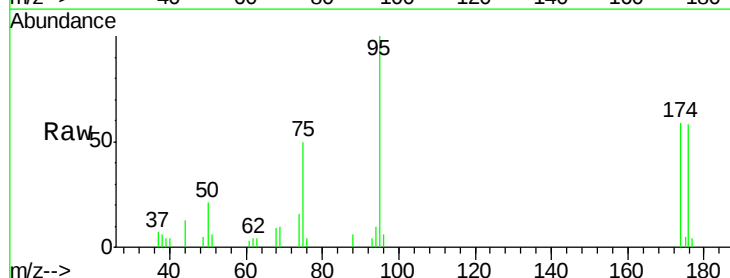
Tgt Ion: 95 Resp: 4431

Ion Ratio Lower Upper

95 100

174 63.3 0.0 147.8

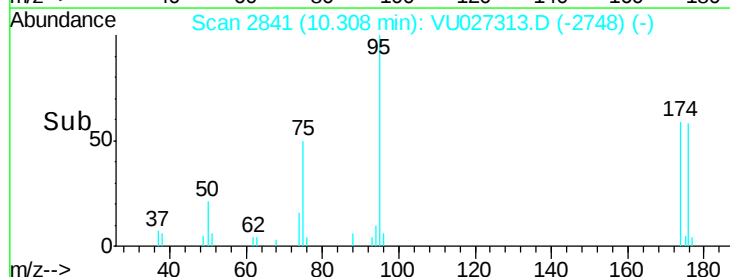
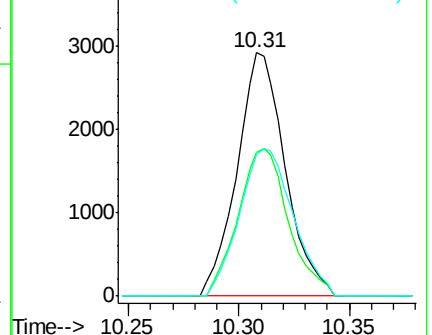
176 67.6 0.0 140.8

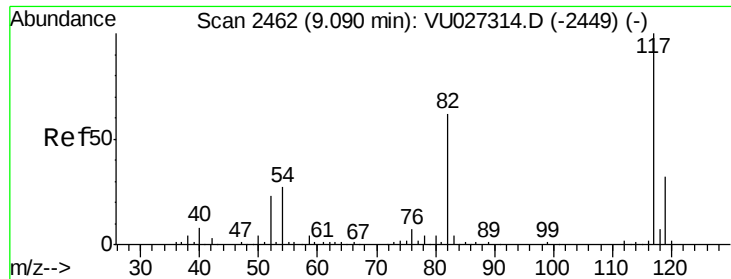


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

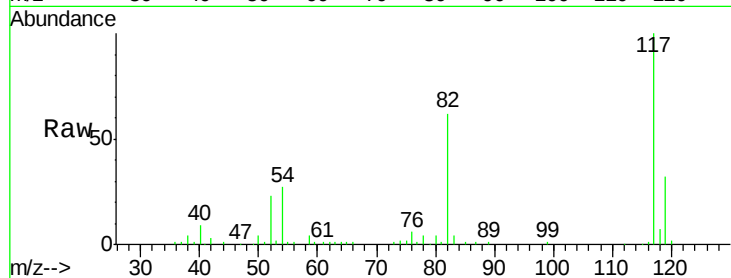




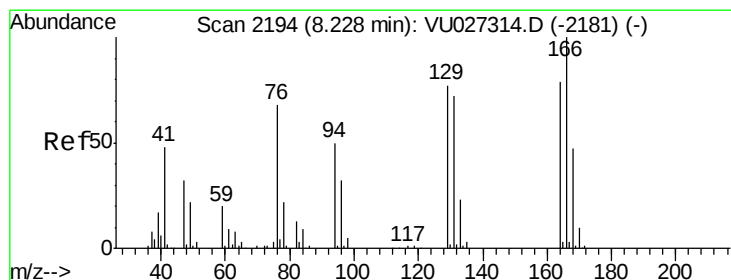
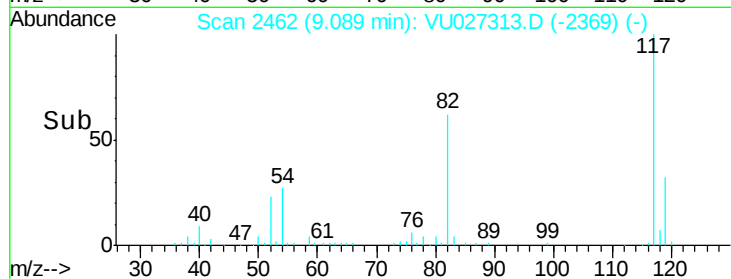
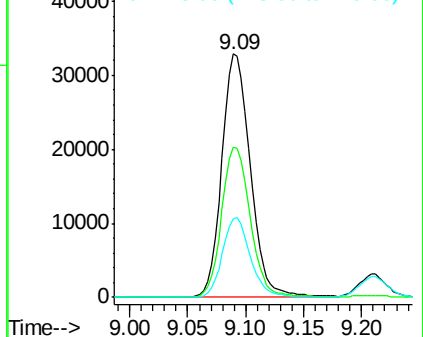
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 56103
Ion Ratio Lower Upper
117 100
82 61.6 49.2 73.8
119 32.2 25.7 38.5

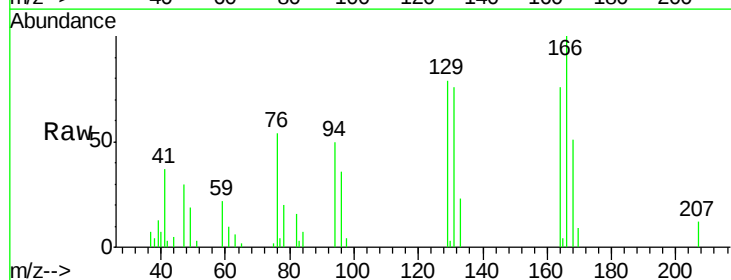


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

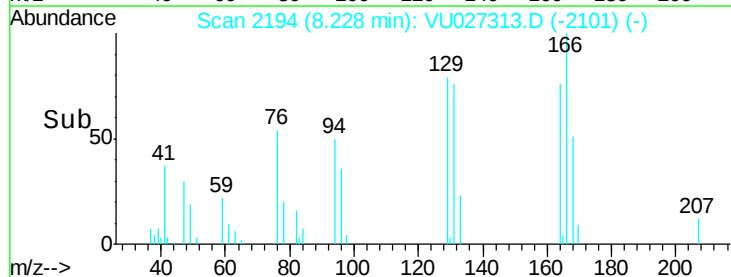
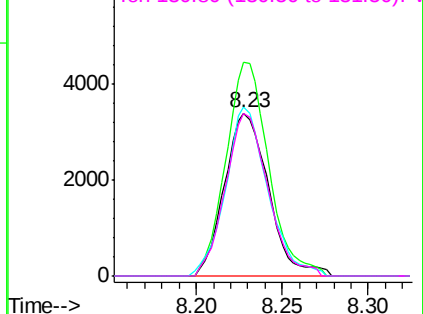


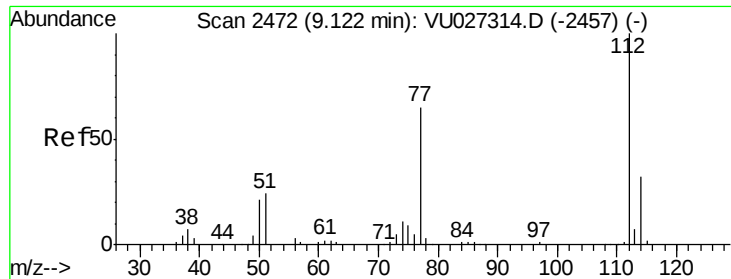
#64
Tetrachloroethene
Concen: 17.357 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion:164 Resp: 6062
Ion Ratio Lower Upper
164 100
166 131.3 101.0 151.6
129 104.2 78.0 117.0
131 99.6 72.6 109.0



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

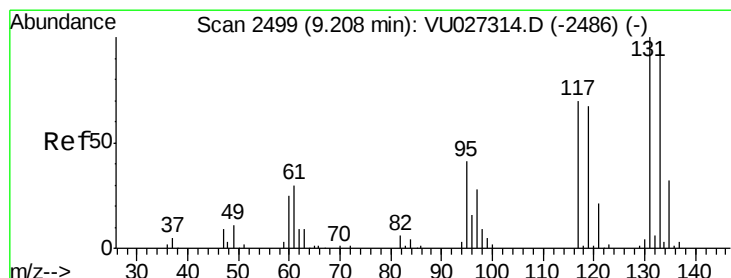
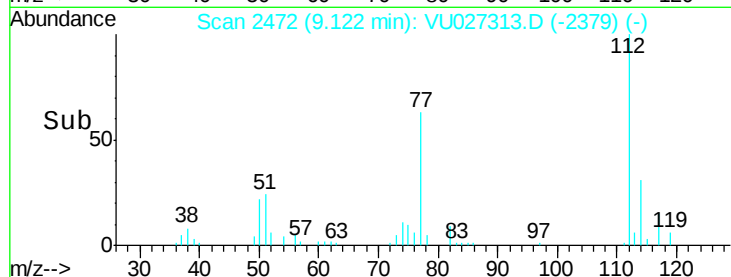
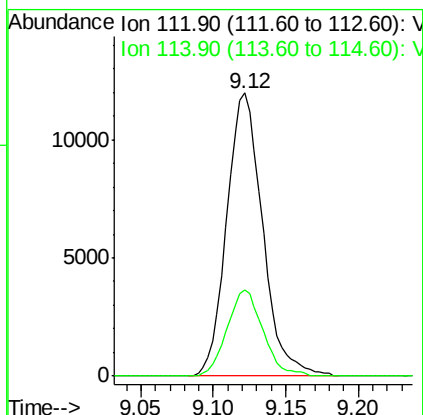
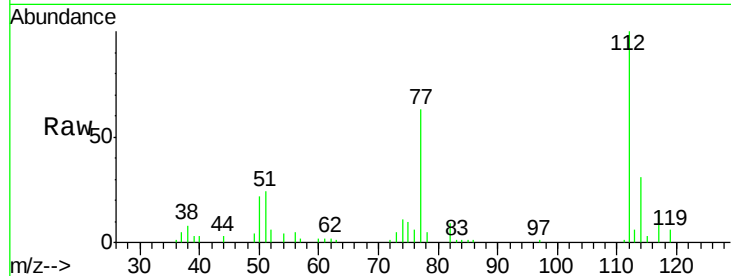




#65
Chlorobenzene
Concen: 17.455 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

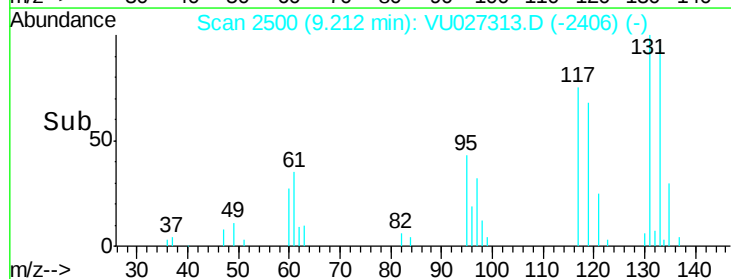
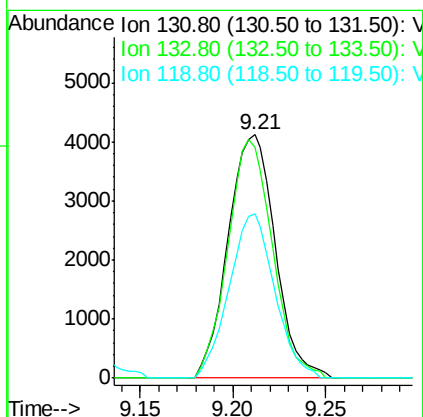
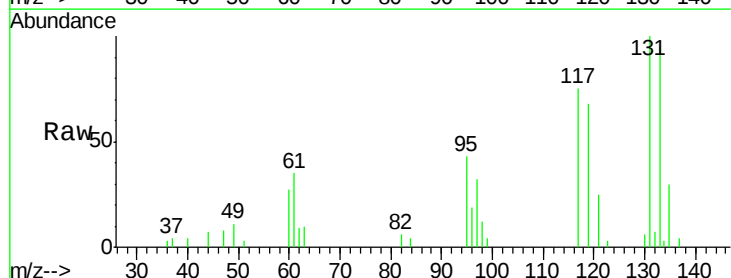
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

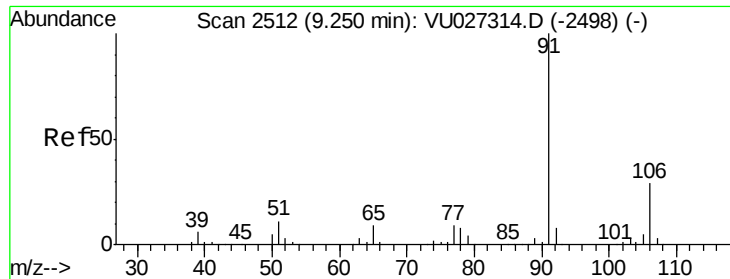
Tgt Ion:112 Resp: 20613
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.862 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion:131 Resp: 7282
Ion Ratio Lower Upper
131 100
133 92.8 48.5 145.6
119 65.2 33.5 100.4

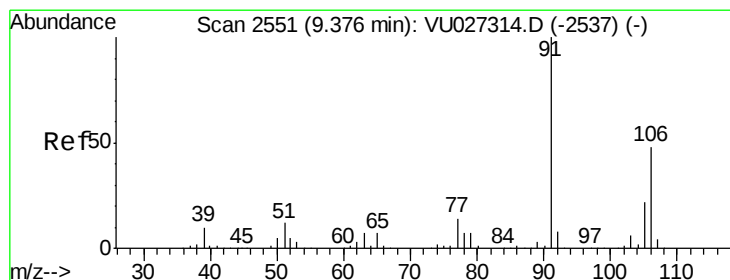
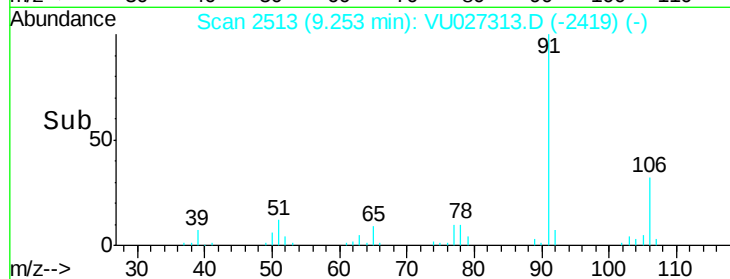
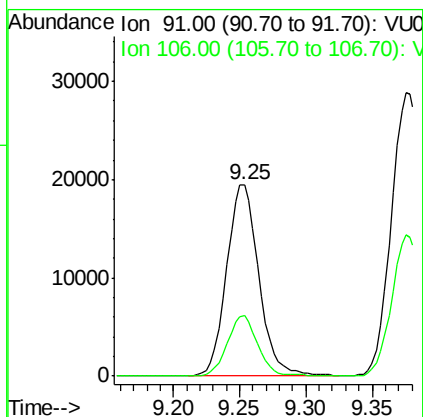
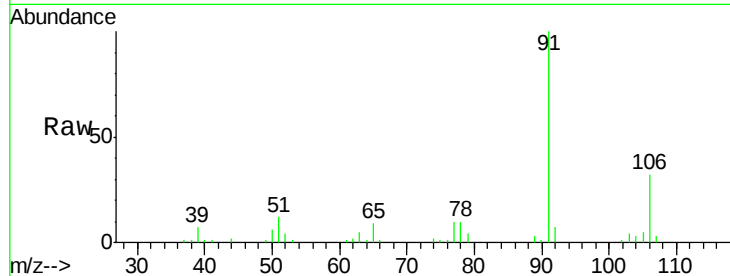




#67
Ethyl Benzene
Concen: 15.734 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

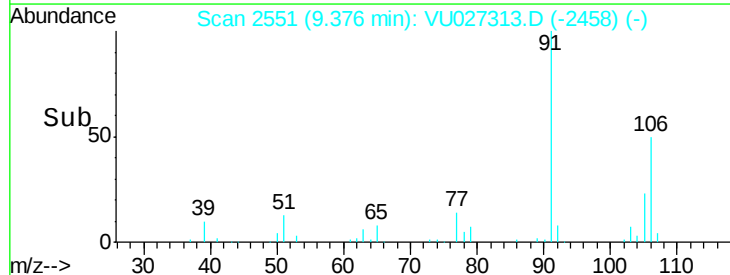
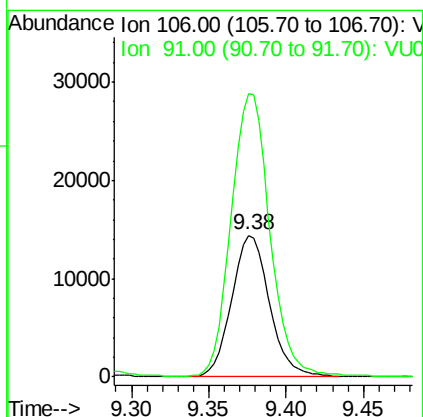
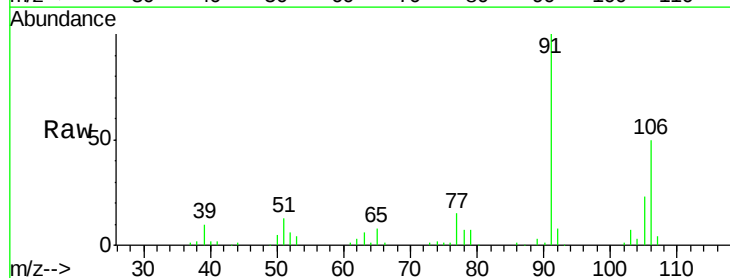
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

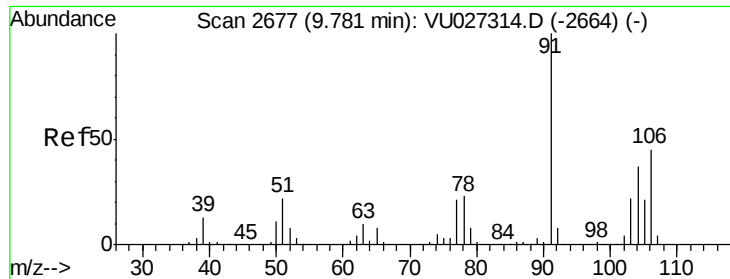
Tgt Ion: 91 Resp: 32919
Ion Ratio Lower Upper
91 100
106 31.6 23.6 35.4



#68
m/p-Xylenes
Concen: 31.874 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 106 Resp: 24394
Ion Ratio Lower Upper
106 100
91 206.2 168.1 252.1

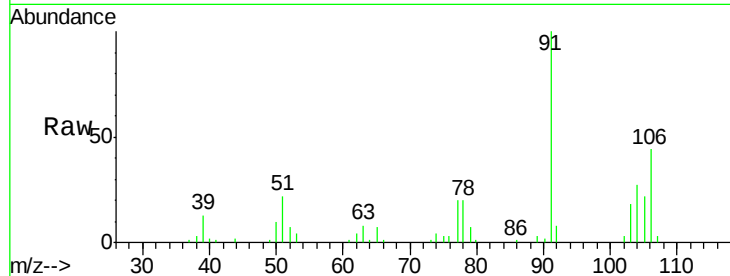




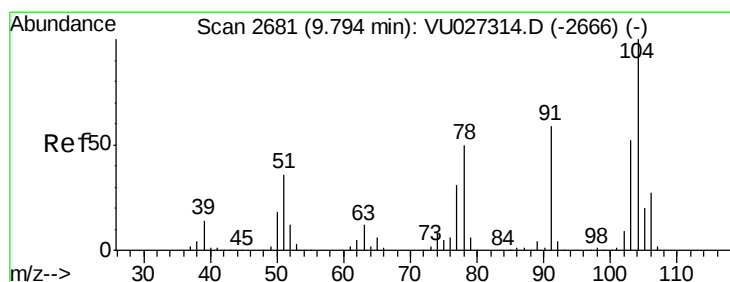
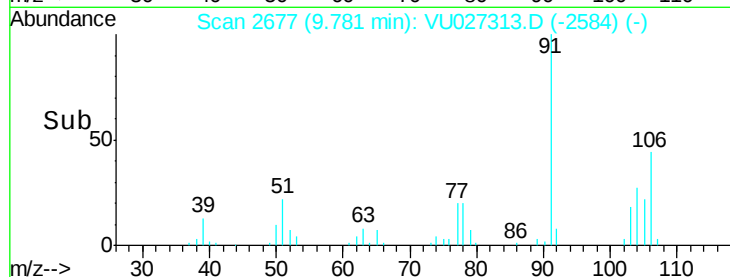
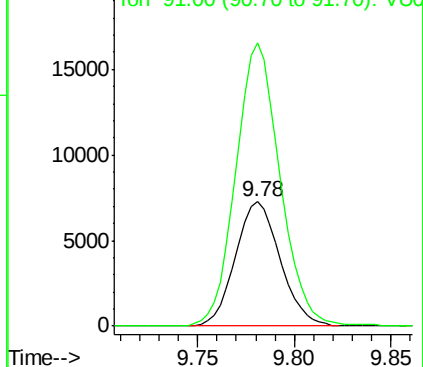
#69
o-Xylene
Concen: 16.063 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 11682
Ion Ratio Lower Upper
106 100
91 225.3 111.7 334.9

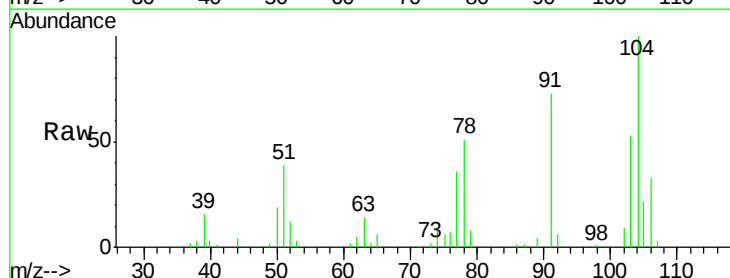


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

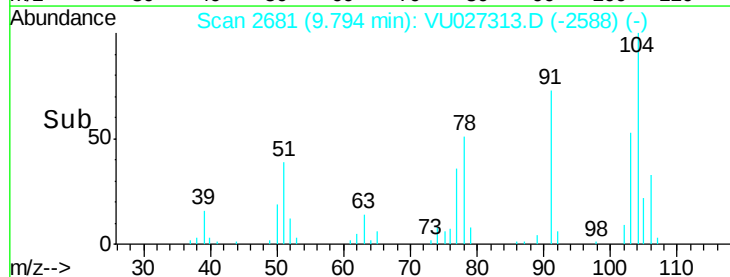
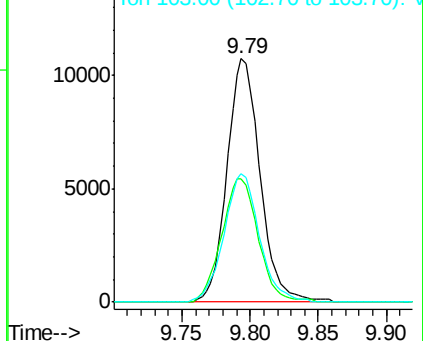


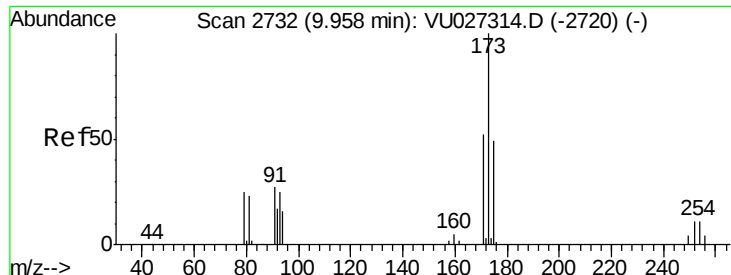
#70
Styrene
Concen: 15.187 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion:104 Resp: 18138
Ion Ratio Lower Upper
104 100
78 55.9 42.9 64.3
103 56.6 43.9 65.9



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: 16.802 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

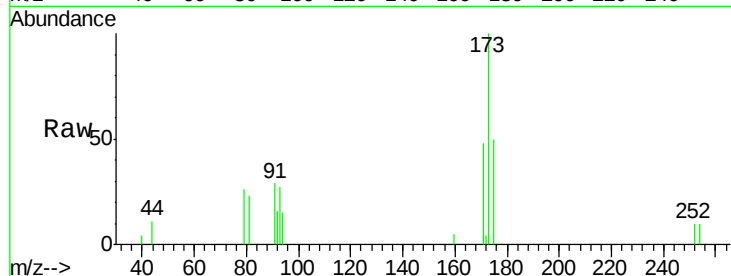
Tgt Ion:173 Resp: 5511

Ion Ratio Lower Upper

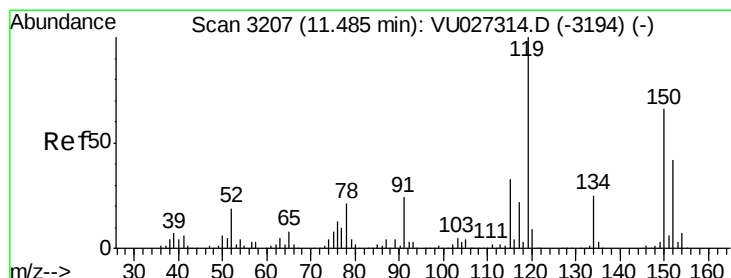
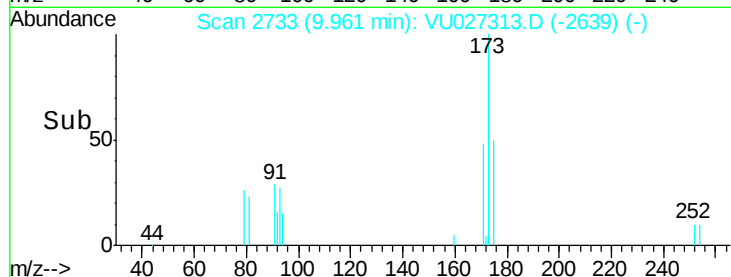
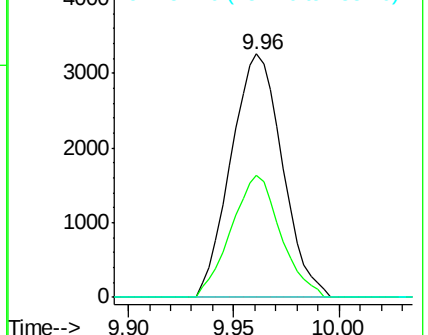
173 100

175 48.3 24.3 73.0

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: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

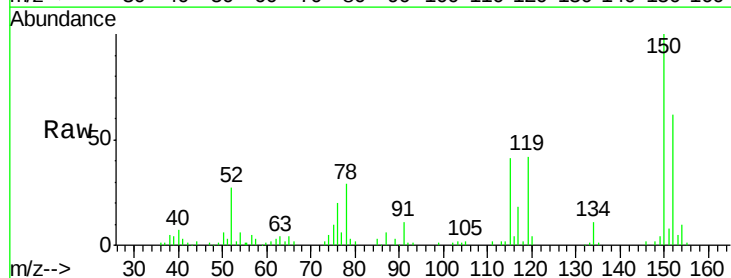
Tgt Ion:152 Resp: 25404

Ion Ratio Lower Upper

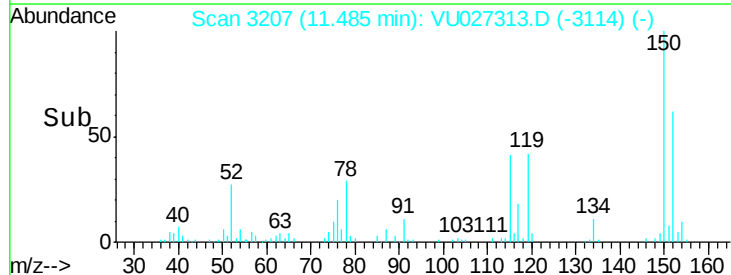
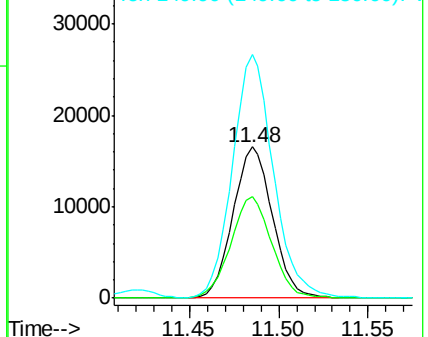
152 100

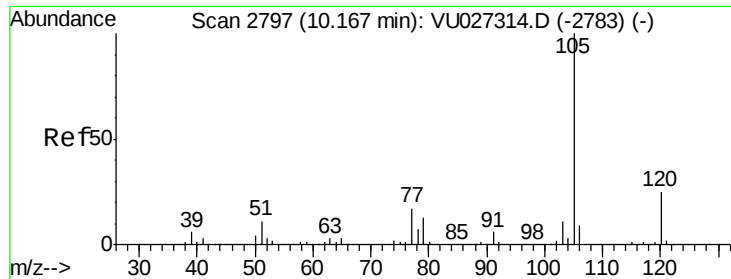
115 70.0 43.4 130.2

150 167.6 0.0 349.2



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: 17.115 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

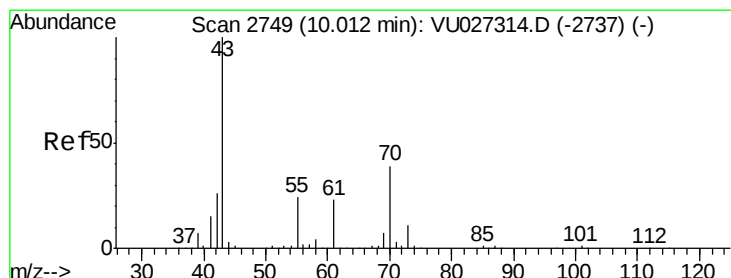
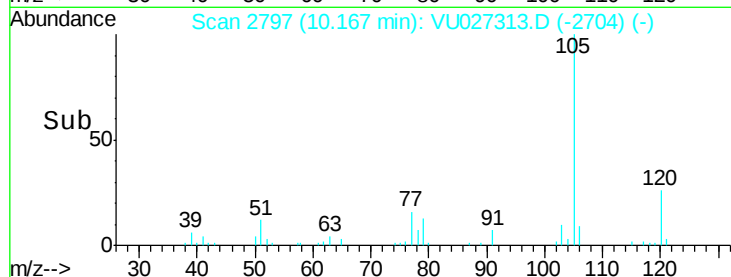
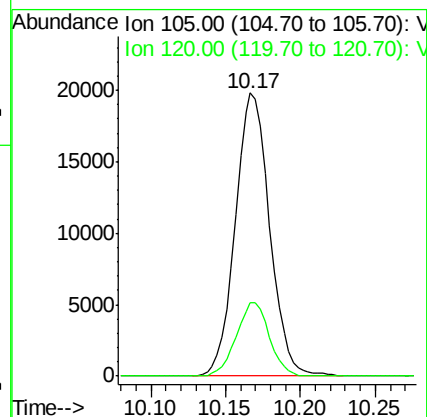
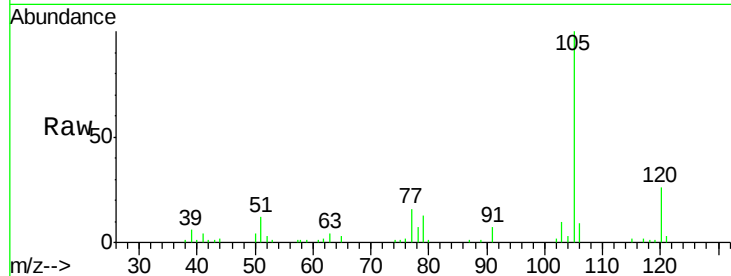
VSTDIC020

Tgt Ion: 105 Resp: 31578

Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8



#74

N-ethyl acetate

Concen: 15.867 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Tgt Ion: 43 Resp: 16760

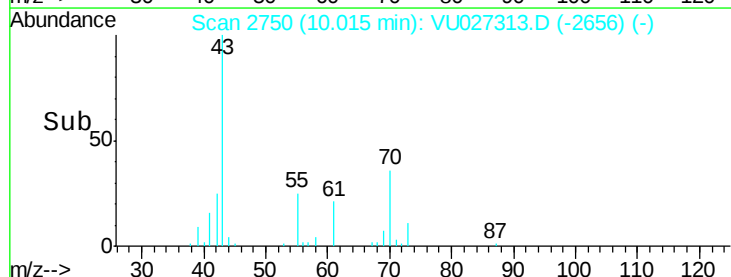
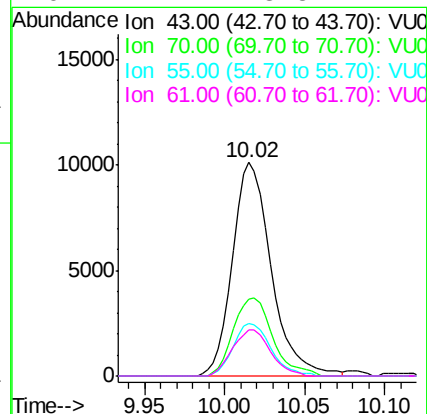
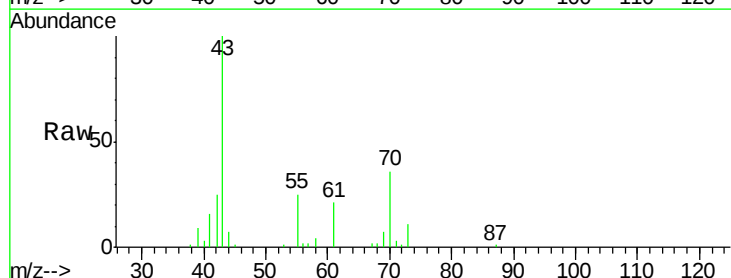
Ion Ratio Lower Upper

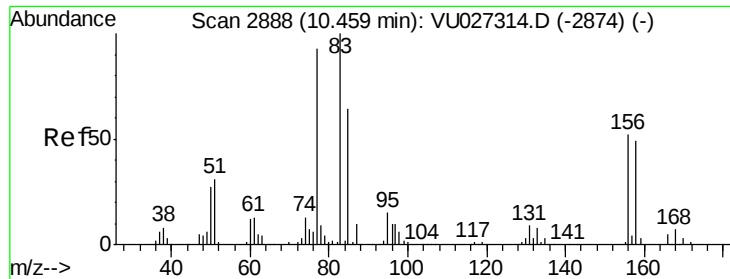
43 100

70 37.1 31.3 46.9

55 23.8 19.0 28.6

61 21.1 18.5 27.7

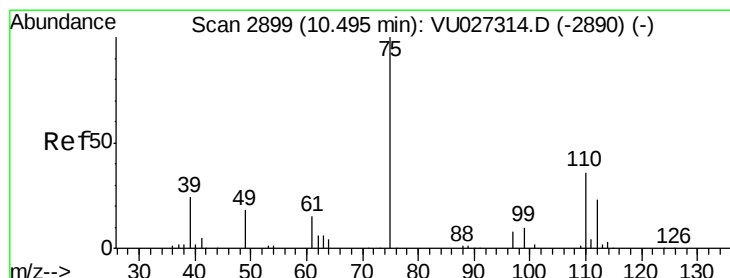
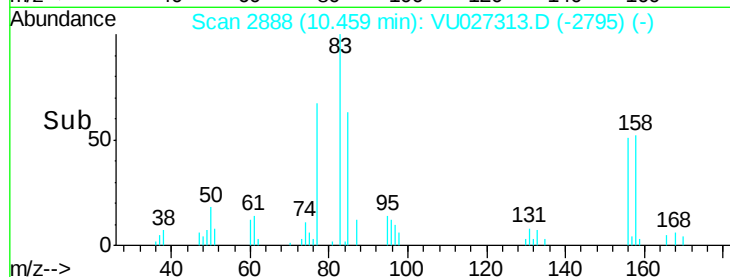
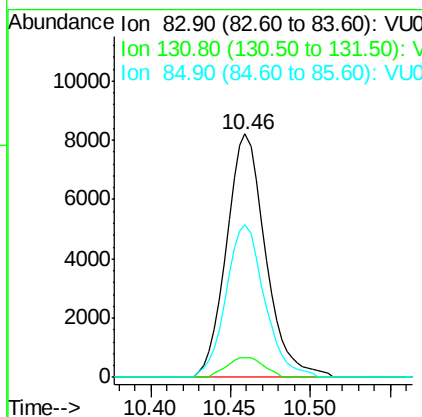
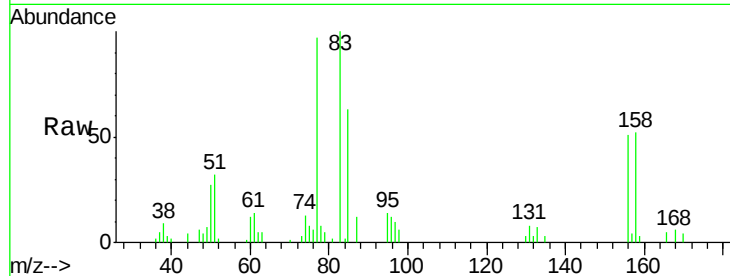




#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.878 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

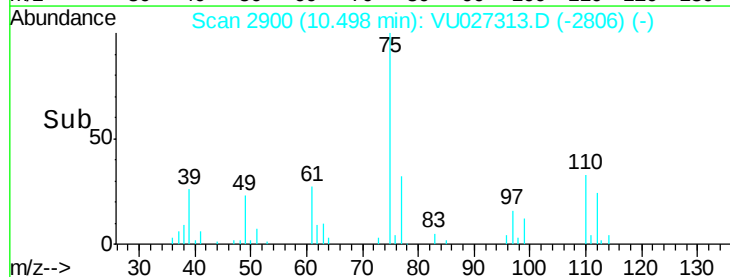
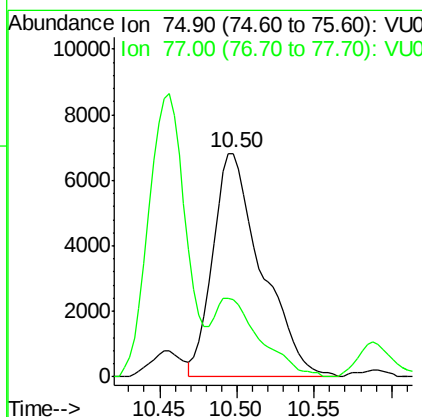
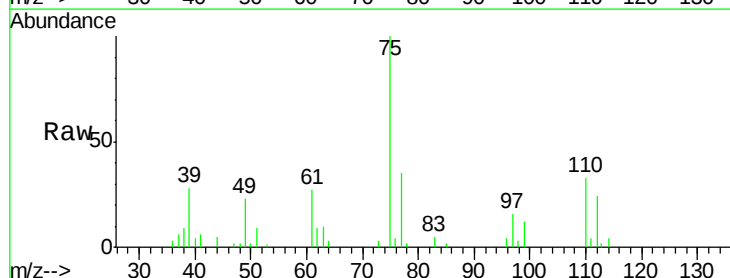
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

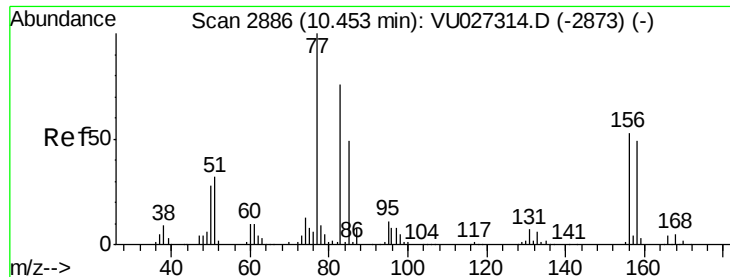
Tgt Ion: 83 Resp: 13677
 Ion Ratio Lower Upper
 83 100
 131 7.6 4.4 13.2
 85 61.6 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 21.112 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 75 Resp: 14952
 Ion Ratio Lower Upper
 75 100
 77 32.6 20.3 60.9





#77

Bromobenzene

Concen: 17.458 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

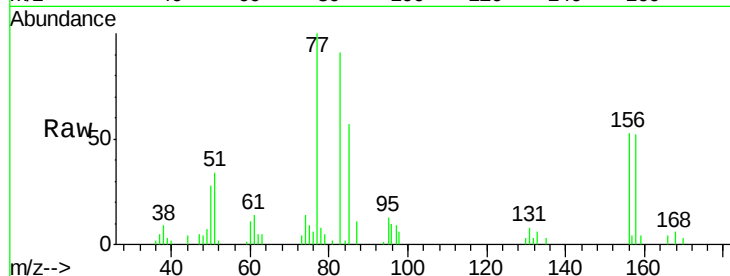
Tgt Ion:156 Resp: 7486

Ion Ratio Lower Upper

156 100

77 195.3 94.8 284.4

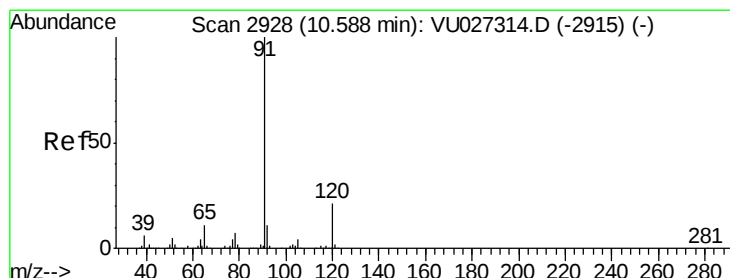
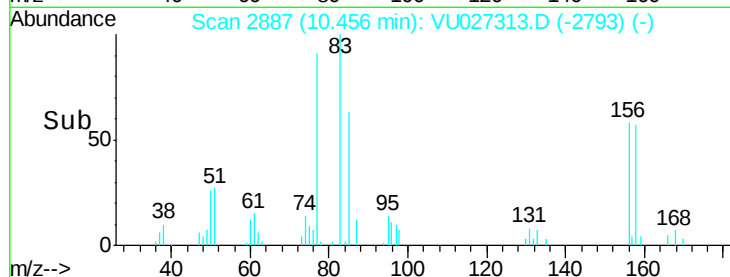
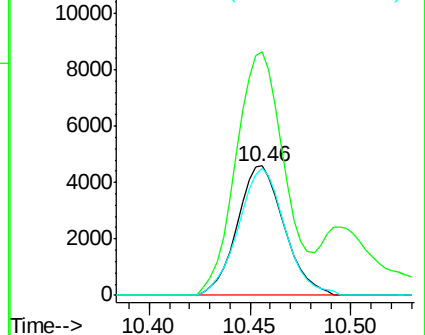
158 97.7 47.4 142.3



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: 16.119 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027313.D

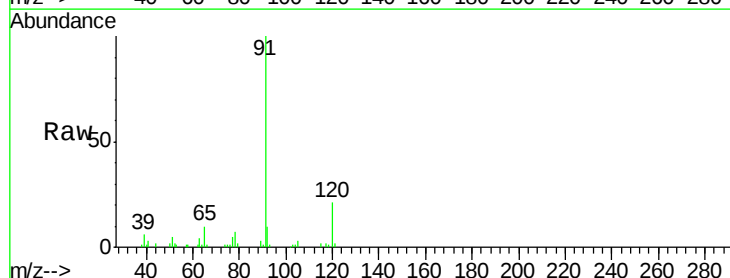
Acq: 01 Oct 2018 10:53

Tgt Ion: 91 Resp: 35736

Ion Ratio Lower Upper

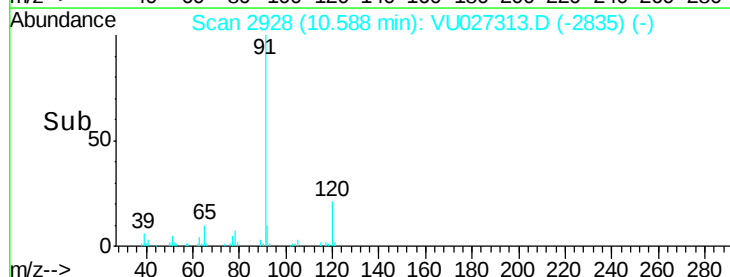
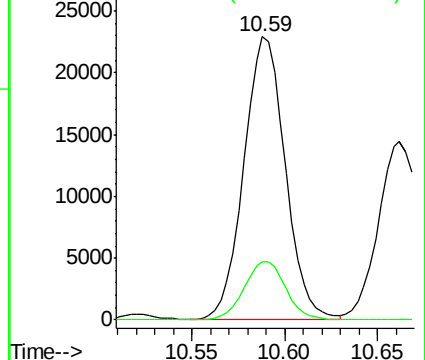
91 100

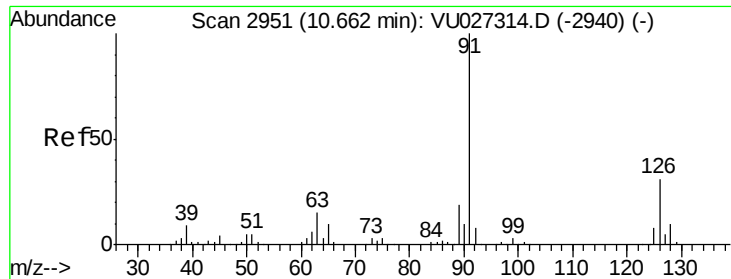
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

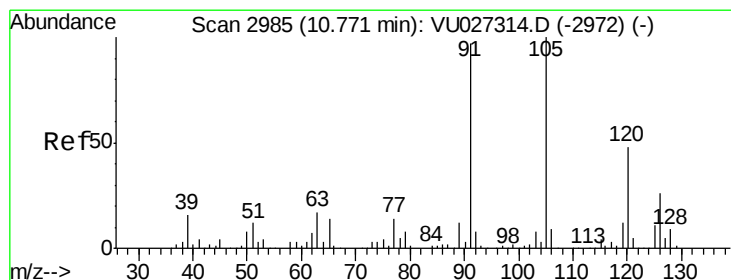
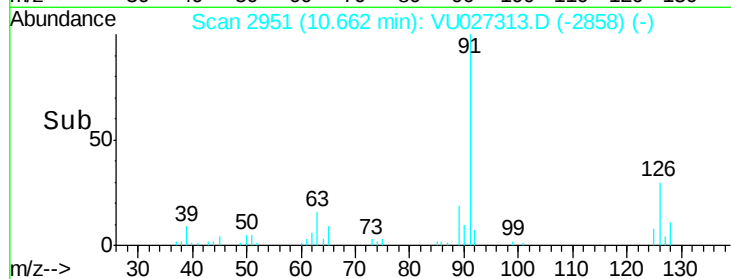
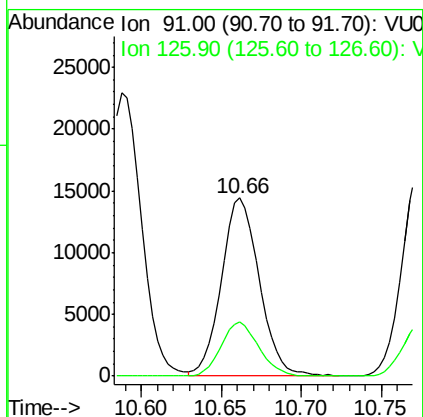
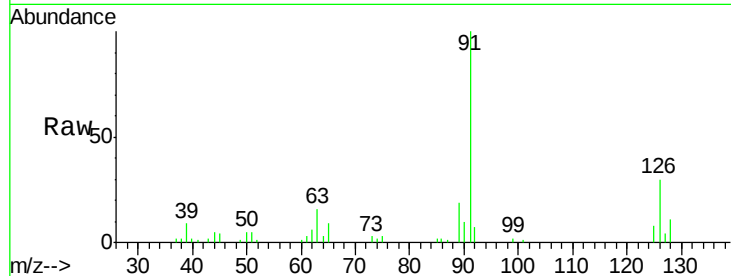




#79
 2-Chlorotoluene
 Concen: 17.489 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

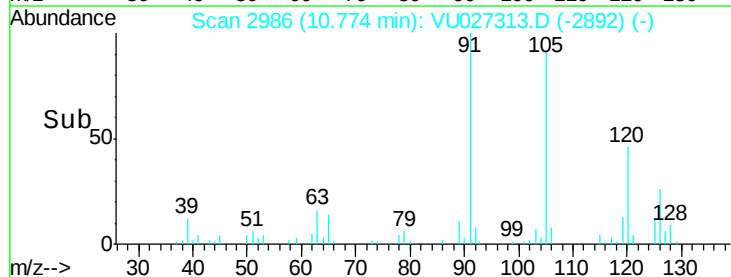
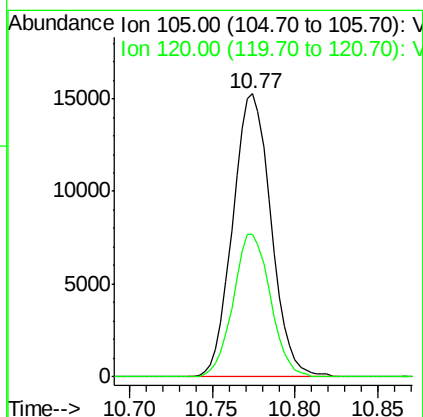
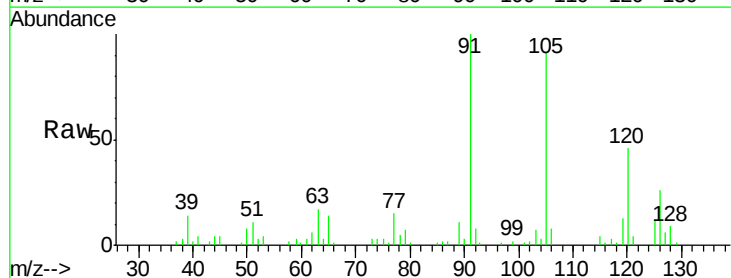
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

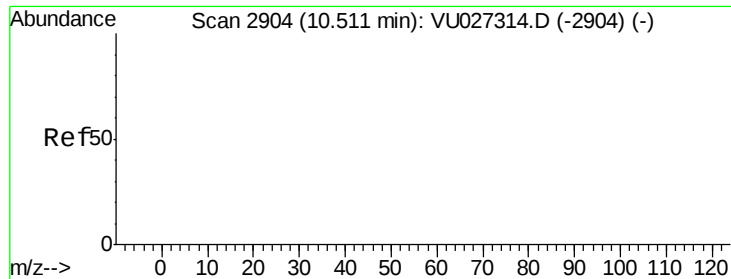
Tgt Ion: 91 Resp: 23411
 Ion Ratio Lower Upper
 91 100
 126 29.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 16.331 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion: 105 Resp: 24531
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.4

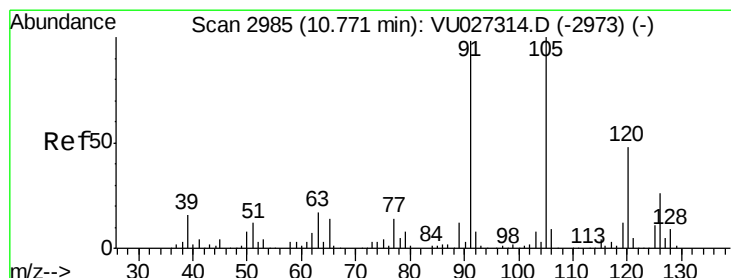
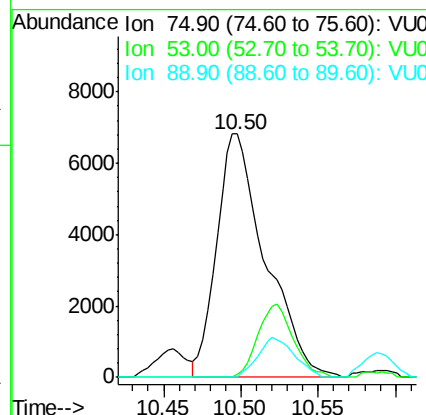
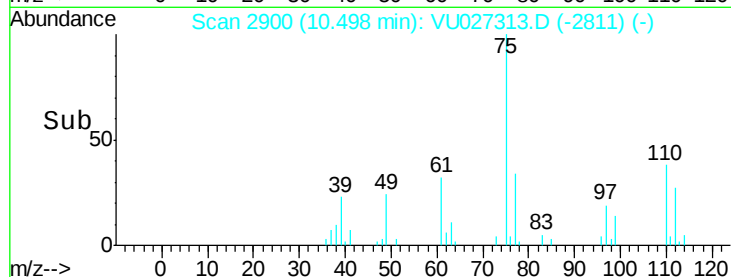
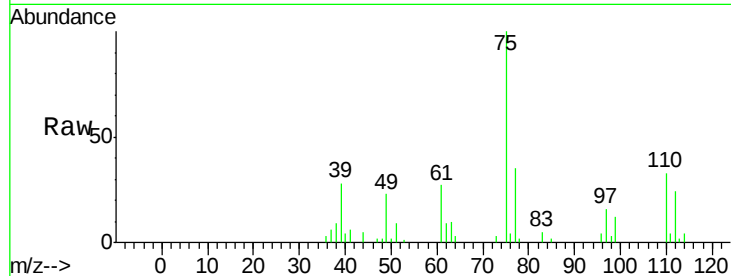




#81
trans-1,4-Dichloro-2-butene
Concen: 54.410 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

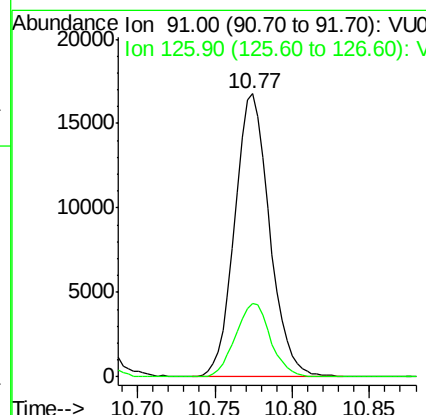
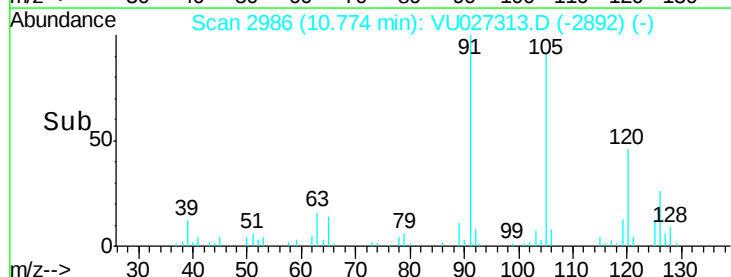
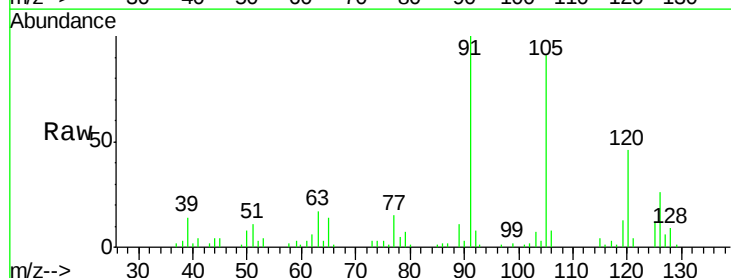
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

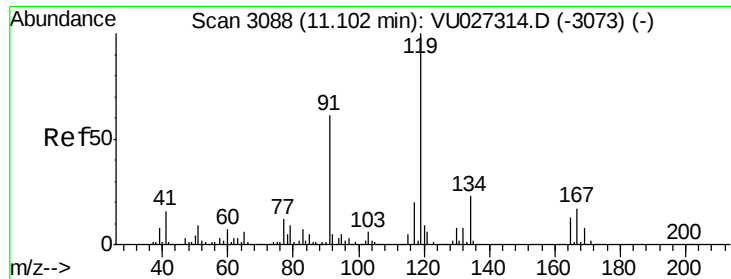
Tgt Ion: 75 Resp: 14952
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 17.258 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 91 Resp: 26216
Ion Ratio Lower Upper
91 100
126 25.9 13.6 40.8

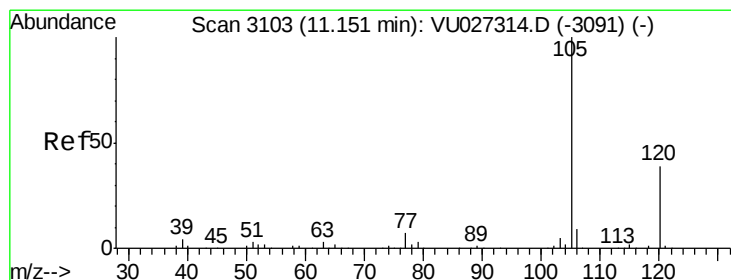
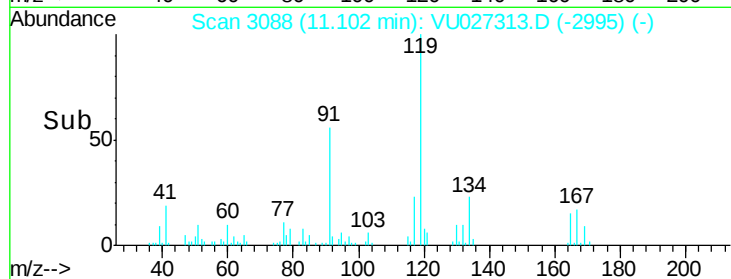
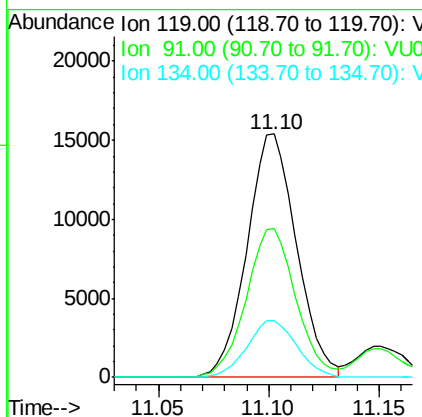
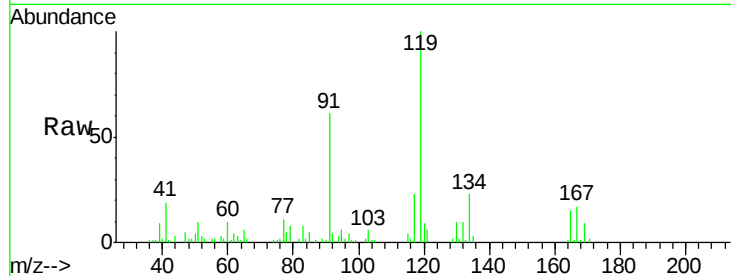




#83
 tert-Butylbenzene
 Concen: 16.549 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

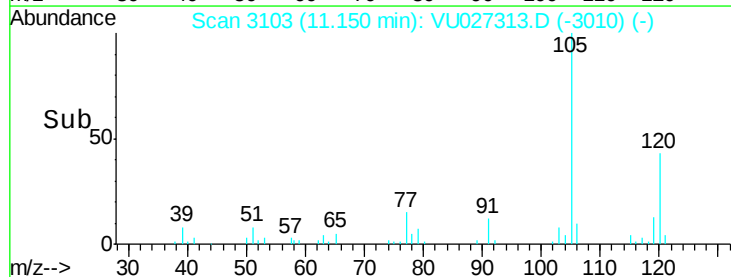
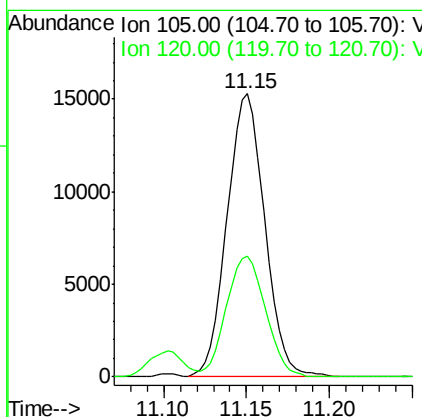
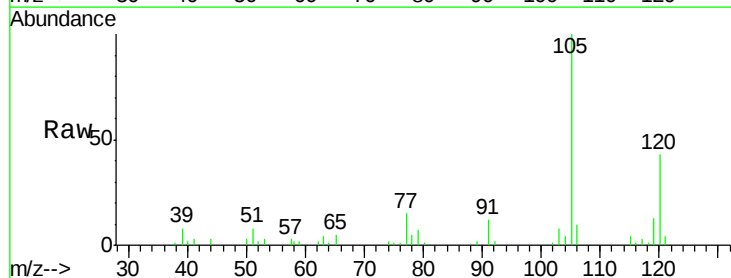
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

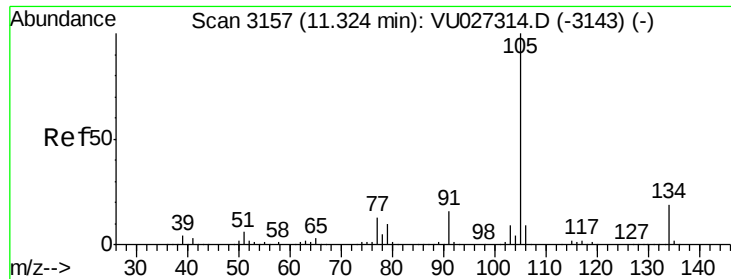
Tgt Ion:119 Resp: 24032
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.3 91.0
 134 23.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 15.778 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion:105 Resp: 24211
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

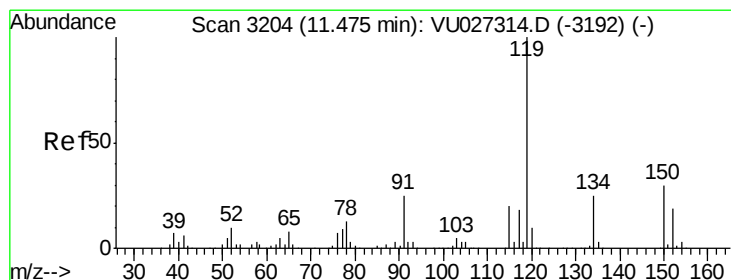
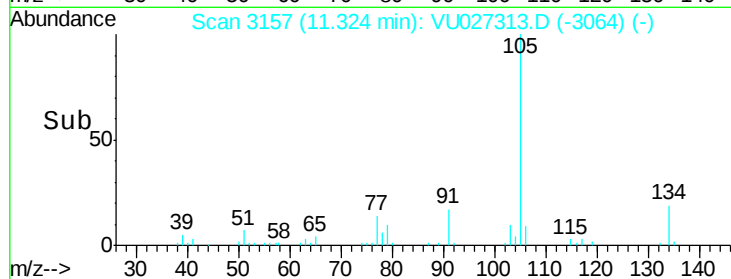
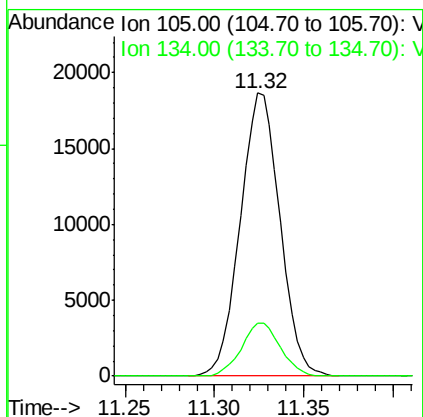
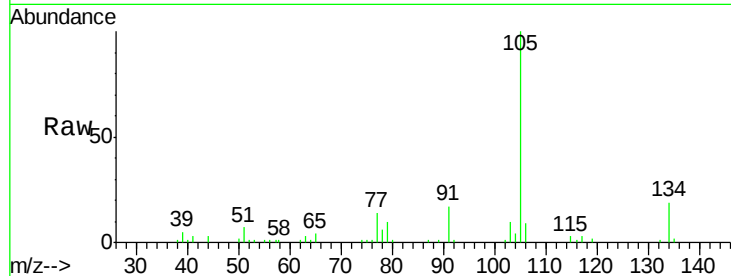




#85
 sec-Butylbenzene
 Concen: 15.890 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

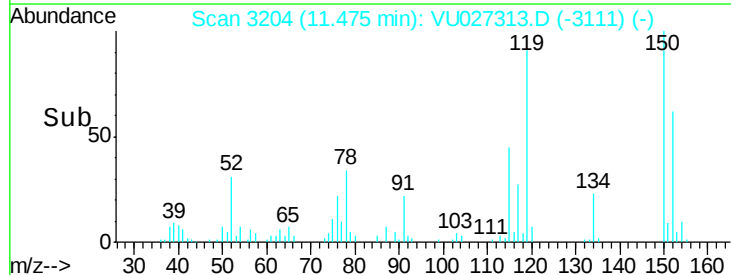
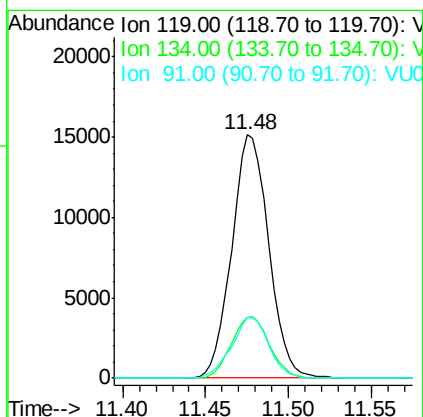
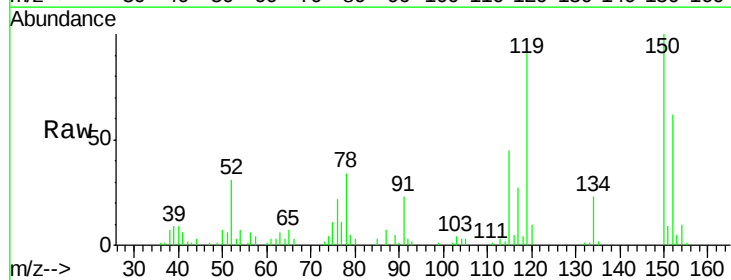
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

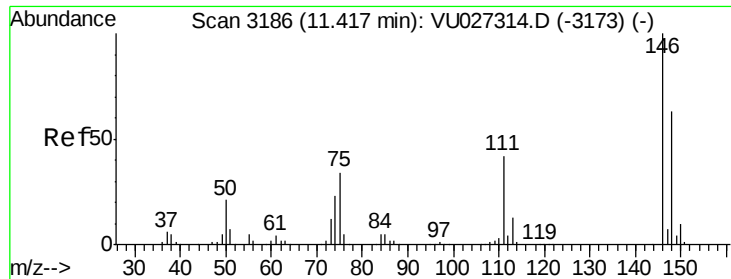
Tgt Ion:105 Resp: 29074
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 14.995 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion:119 Resp: 23492
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 25.0 12.2 36.4

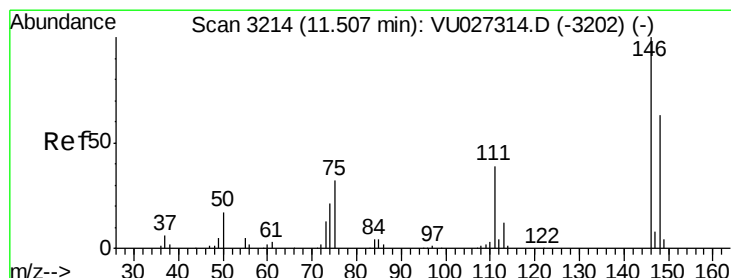
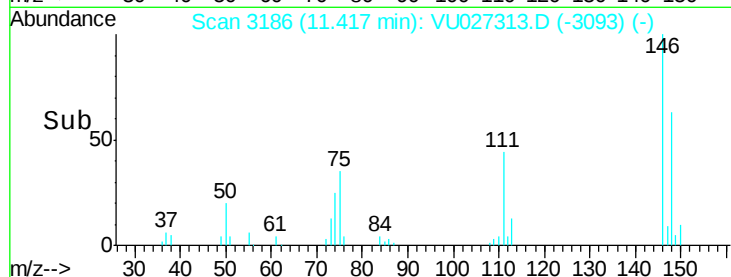
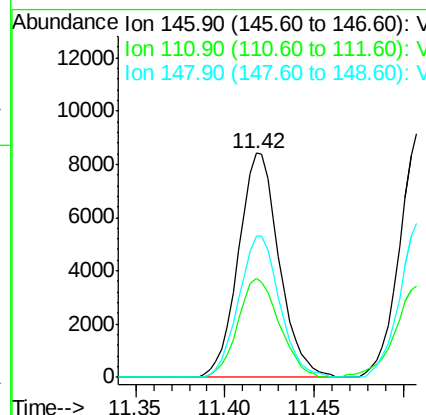
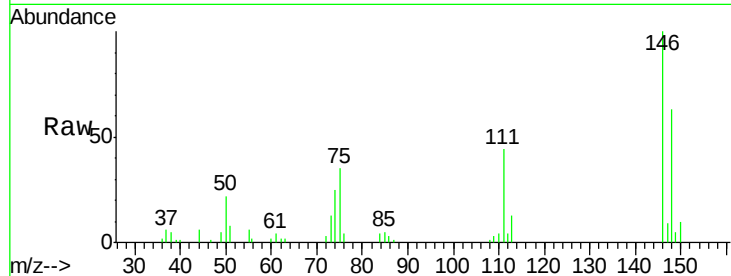




#87
 1,3-Dichlorobenzene
 Concen: 16.531 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

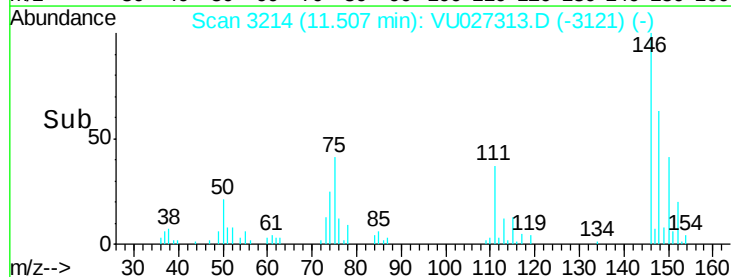
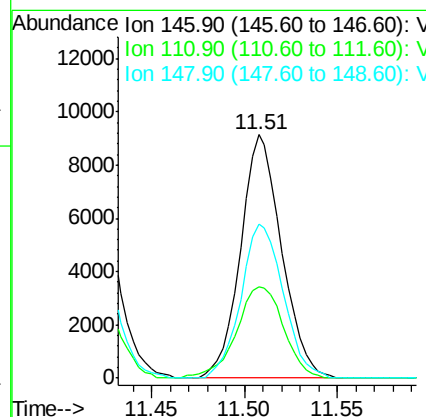
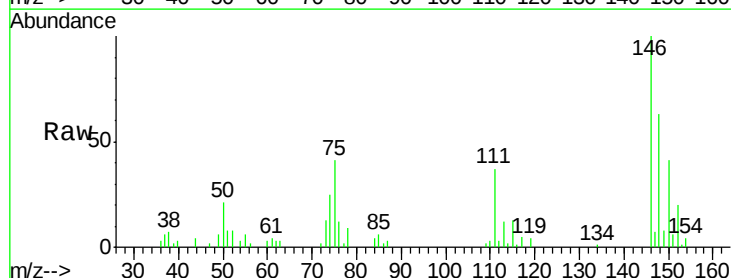
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

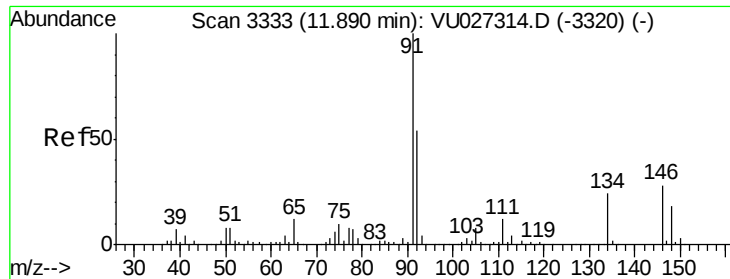
Tgt Ion:146 Resp: 13422
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.8 62.5
 148 63.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 16.935 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion:146 Resp: 14051
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.4 61.2
 148 65.2 31.9 95.5

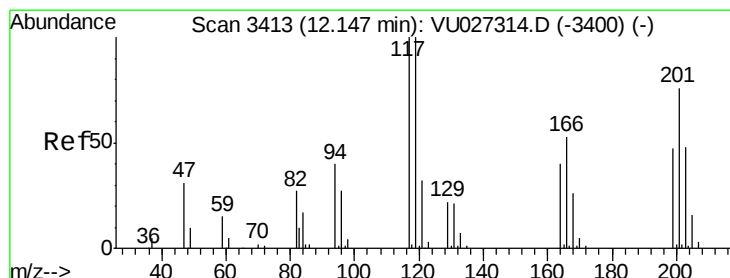
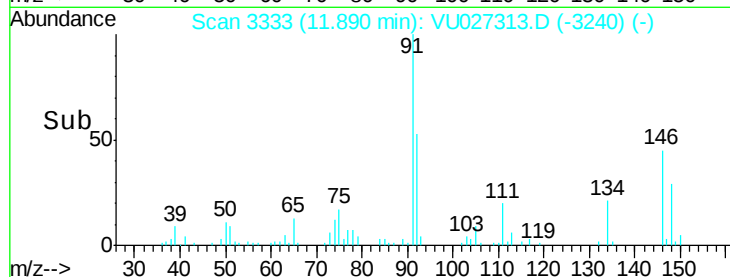
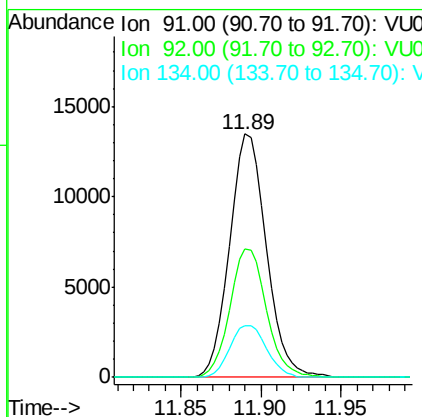
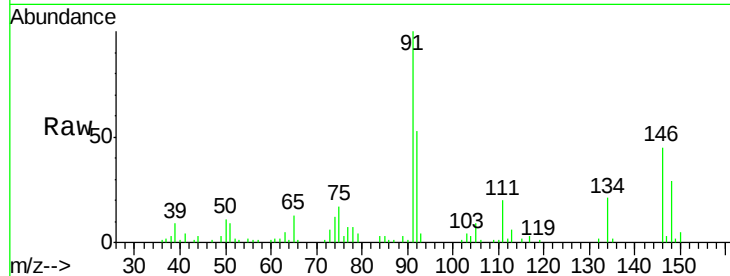




#89
n-Butylbenzene
Concen: 14.395 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

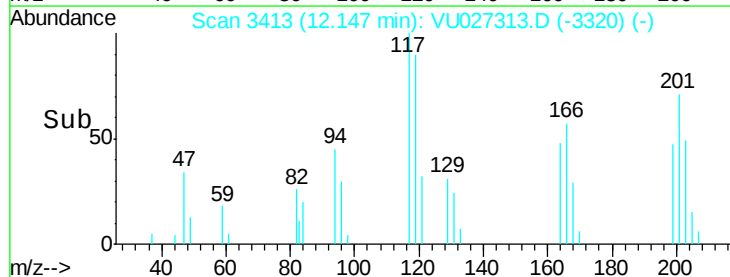
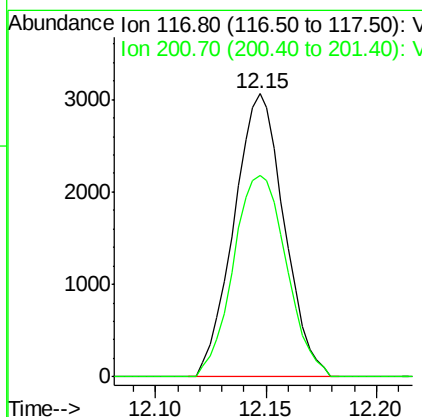
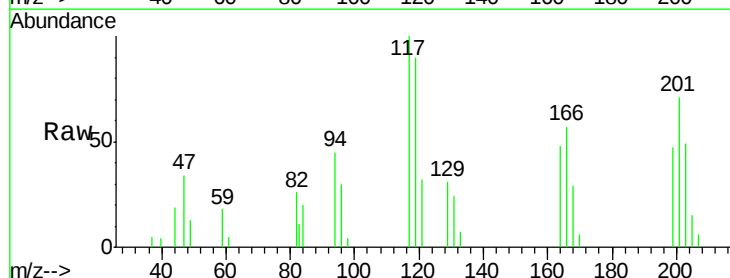
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

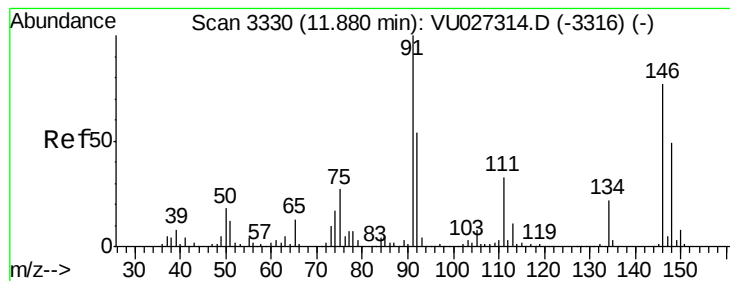
Tgt Ion: 91 Resp: 21035
Ion Ratio Lower Upper
91 100
92 52.6 27.0 81.0
134 21.4 11.7 35.1



#90
Hexachloroethane
Concen: 16.363 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion: 117 Resp: 4832
Ion Ratio Lower Upper
117 100
201 75.2 37.9 113.6





#91

1,2-Dichlorobenzene

Concen: 17.758 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

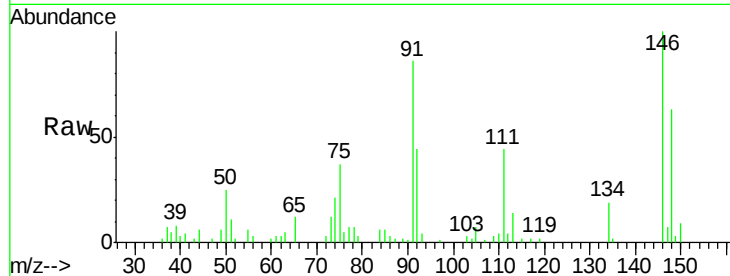
Tgt Ion:146 Resp: 14035

Ion Ratio Lower Upper

146 100

111 43.5 21.8 65.4

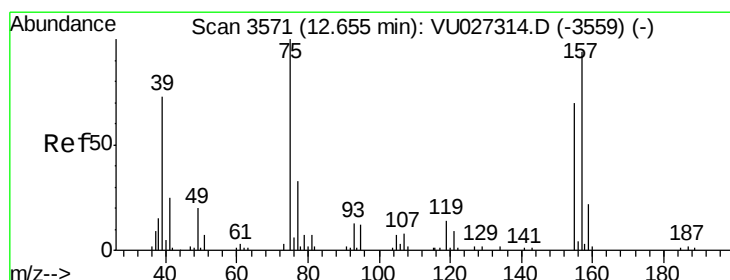
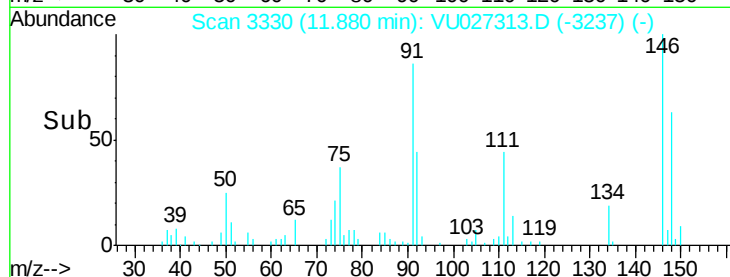
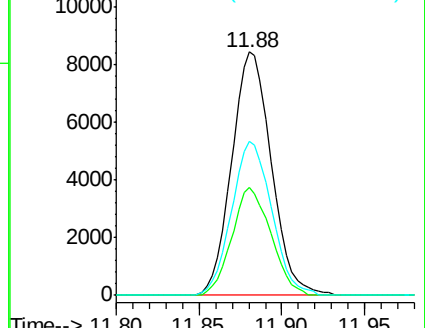
148 63.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.320 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027313.D

Acq: 01 Oct 2018 10:53

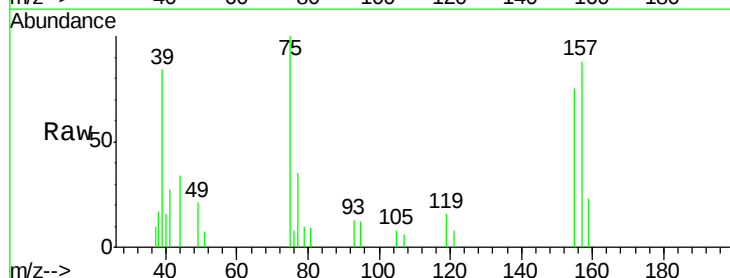
Tgt Ion: 75 Resp: 2781

Ion Ratio Lower Upper

75 100

155 67.6 35.9 107.8

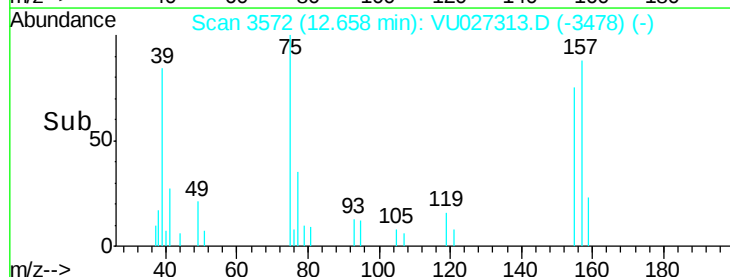
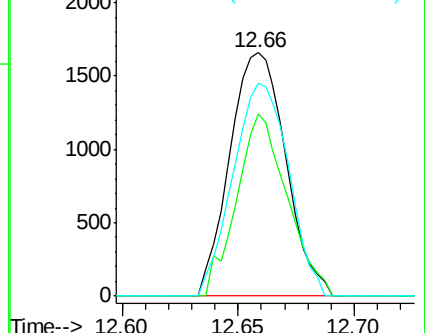
157 86.8 46.9 140.6

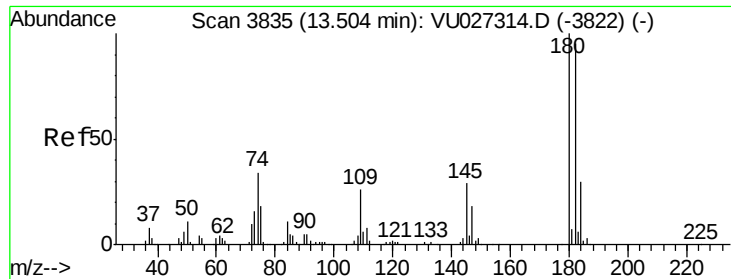


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

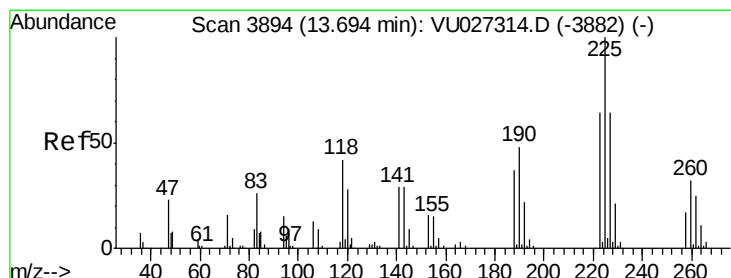
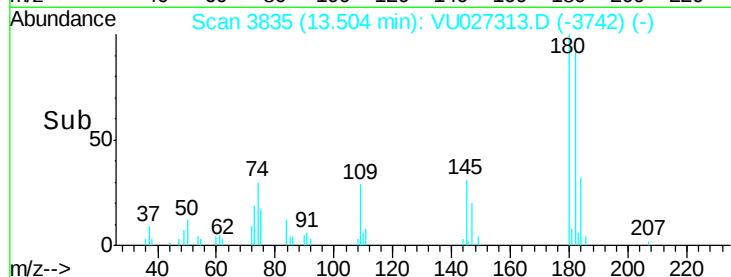
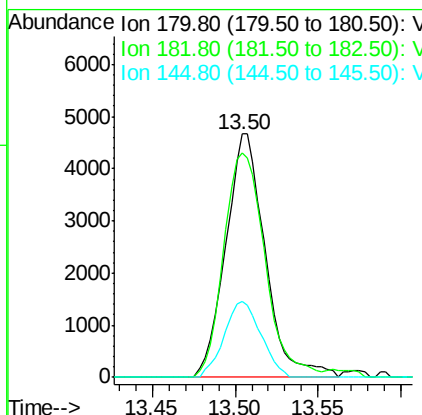
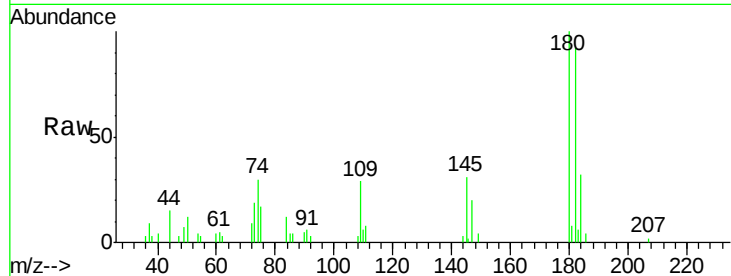




#93
 1,2,4-Trichlorobenzene
 Concen: 15.129 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

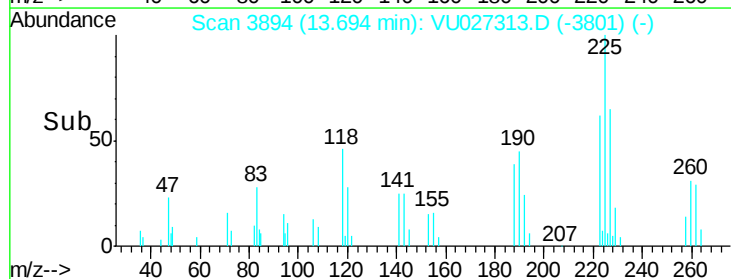
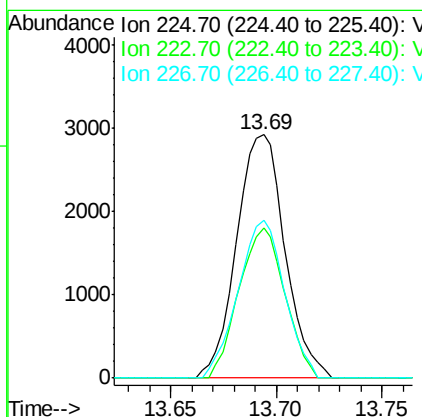
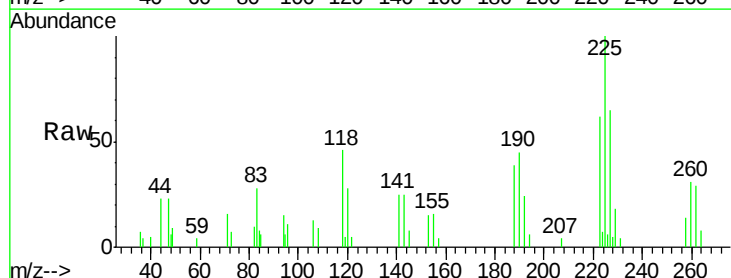
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

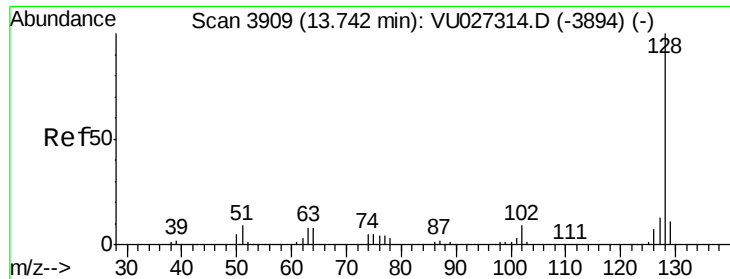
Tgt Ion:180 Resp: 7737
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.3
 145 29.2 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 18.051 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027313.D
 Acq: 01 Oct 2018 10:53

Tgt Ion:225 Resp: 4664
 Ion Ratio Lower Upper
 225 100
 223 58.4 31.8 95.3
 227 62.0 31.9 95.7

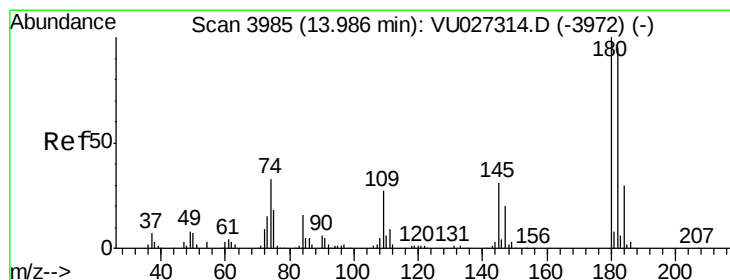
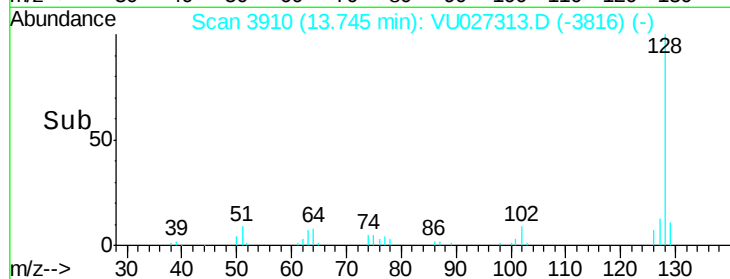
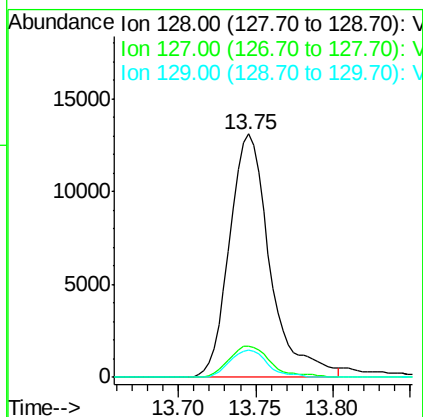
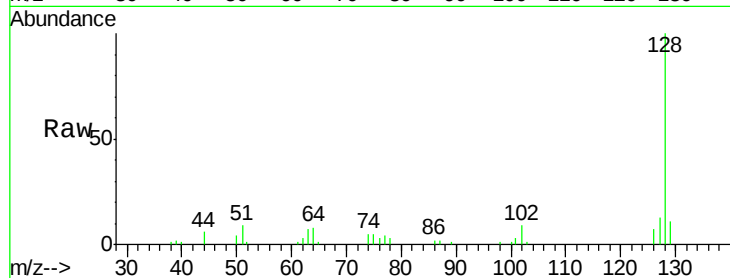




#95
Naphthalene
Concen: 13.944 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 23908
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.175 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027313.D
Acq: 01 Oct 2018 10:53

Tgt Ion:180 Resp: 8618
Ion Ratio Lower Upper
180 100
182 91.1 47.4 142.2
145 31.5 15.9 47.7

