

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 13 13:04:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	65695	16.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.36%	
35) Dibromofluoromethane	4.89	113	51947	16.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.42%	
50) Toluene-d8	7.57	98	190597	15.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.84%	
62) 4-Bromofluorobenzene	10.31	95	73533	16.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	48875	16.21	ug/l	99
3) Chloromethane	1.33	50	49358	14.05	ug/l	100
4) Vinyl Chloride	1.41	62	50179	12.83	ug/l	95
5) Bromomethane	1.63	94	25539	11.88	ug/l	99
6) Chloroethane	1.70	64	29694	11.23	ug/l	97
7) Trichlorofluoromethane	1.89	101	78541	14.79	ug/l	98
8) Diethyl Ether	2.10	74	29140	13.73	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	47123	15.94	ug/l	97
10) Methyl Iodide	2.41	142	31101	16.59	ug/l	99
11) Tert butyl alcohol	2.82	59	81691	109.20	ug/l	97
12) 1,1-Dichloroethene	2.29	96	45154	16.31	ug/l	95
13) Acrolein	2.20	56	41132	52.82	ug/l	98
14) Allyl chloride	2.60	41	81886	17.43	ug/l	97
15) Acrylonitrile	2.94	53	158616	79.39	ug/l	99
16) Acetone	2.32	43	173681	69.09	ug/l	98
17) Carbon Disulfide	2.48	76	142299	16.70	ug/l	99
18) Methyl Acetate	2.62	43	74594	14.93	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	168057	19.31	ug/l	96
20) Methylene Chloride	2.71	84	52077	15.08	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	49275	16.58	ug/l	96
22) Diisopropyl ether	3.58	45	167772	17.72	ug/l	92
23) Vinyl Acetate	3.53	43	744862	107.06	ug/l	99
24) 1,1-Dichloroethane	3.45	63	96159	16.22	ug/l	99
25) 2-Butanone	4.26	43	243329	80.94	ug/l	97
26) 2,2-Dichloropropane	4.23	77	89129	19.72	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	55976	17.34	ug/l	98
28) Bromochloromethane	4.55	49	44282	20.40	ug/l	92
29) Tetrahydrofuran	4.64	42	148142	86.35	ug/l	97
30) Chloroform	4.68	83	95215	15.86	ug/l	98
31) Cyclohexane	5.00	56	90422	15.38	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	88187	18.26	ug/l	96
36) 1,1-Dichloropropene	5.14	75	70987	15.94	ug/l	96
37) Ethyl Acetate	4.38	43	85268	17.08	ug/l #	97
38) Carbon Tetrachloride	5.14	117	79289	18.70	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	88970	18.50	ug/l	96
40) Benzene	5.39	78	206838	15.41	ug/l	100
41) Methacrylonitrile	4.55	41	46278	16.54	ug/l	98
42) 1,2-Dichloroethane	5.41	62	78799	15.33	ug/l	99
43) Isopropyl Acetate	5.55	43	138322	18.19	ug/l	98
44) Trichloroethene	6.19	130	57825	16.54	ug/l	94
45) 1,2-Dichloropropane	6.44	63	55715	15.45	ug/l	97
46) Dibromomethane	6.56	93	39006	16.34	ug/l	97
47) Bromodichloromethane	6.76	83	76999	16.67	ug/l	99
48) Methyl methacrylate	6.63	41	67277	18.05	ug/l	99
49) 1,4-Dioxane	6.62	88	27728	352.64	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	441909	80.57	ug/l	99
52) Toluene	7.64	92	128763	16.17	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	86038	17.91	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	90260	17.22	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	51267	15.01	ug/l	98
56) Ethyl methacrylate	8.02	69	91343	20.51	ug/l	98
57) 1,3-Dichloropropane	8.25	76	90111	15.36	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	163279	71.30	ug/l	97
59) 2-Hexanone	8.36	43	357269	81.41	ug/l	100
60) Dibromochloromethane	8.48	129	63104	18.20	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57555	16.11	ug/l	97
64) Tetrachloroethene	8.23	164	55748	19.01	ug/l	98
65) Chlorobenzene	9.12	112	145897	17.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	55533	18.85	ug/l	98
67) Ethyl Benzene	9.25	91	259683	18.76	ug/l	97
68) m/p-Xylenes	9.38	106	198140	37.58	ug/l	98
69) o-Xylene	9.78	106	98668	20.30	ug/l	96
70) Styrene	9.80	104	159899	19.32	ug/l	98
71) Bromoform	9.96	173	51919	20.41	ug/l	# 100
73) Isopropylbenzene	10.17	105	264998	22.71	ug/l	99
74) N-amyl acetate	10.01	43	122600	23.21	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	86657	17.12	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	109996	30.98	ug/l	82
77) Bromobenzene	10.45	156	65061	20.13	ug/l	99
78) n-propylbenzene	10.59	91	312370	21.59	ug/l	98
79) 2-Chlorotoluene	10.66	91	180544	20.56	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	222581	22.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	109996	65.72	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	209740	20.58	ug/l	100
83) tert-Butylbenzene	11.10	119	217370	22.56	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	230190	23.01	ug/l	100
85) sec-Butylbenzene	11.33	105	274368	22.68	ug/l	98
86) p-Isopropyltoluene	11.48	119	240901	22.53	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	120700	19.43	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	119217	18.33	ug/l	99
89) n-Butylbenzene	11.89	91	217149	20.64	ug/l	97
90) Hexachloroethane	12.15	117	45300	23.64	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	120049	19.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24452	23.66	ug/l	93

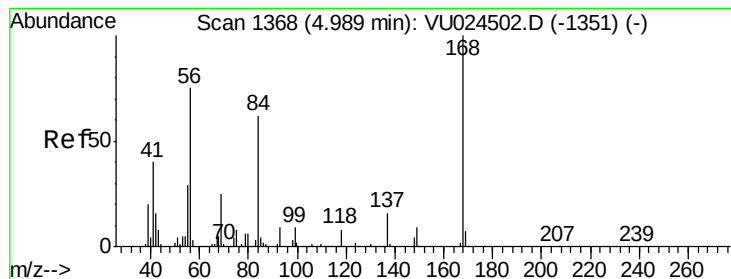
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78280	21.34	ug/l	100
94) Hexachlorobutadiene	13.70	225	42364	19.44	ug/l	99
95) Naphthalene	13.75	128	243070	24.23	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79810	21.53	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

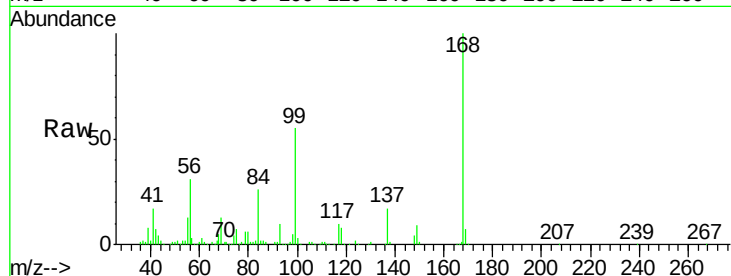
VSTDIC020

Tgt Ion:168 Resp: 198881

Ion Ratio Lower Upper

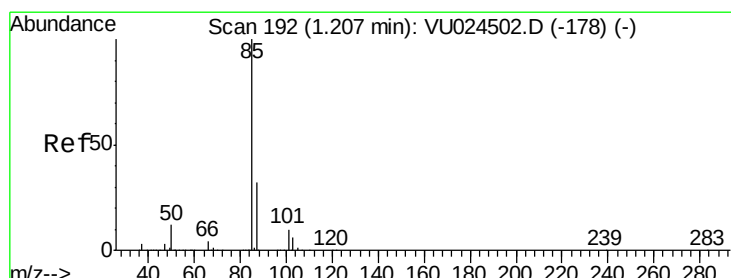
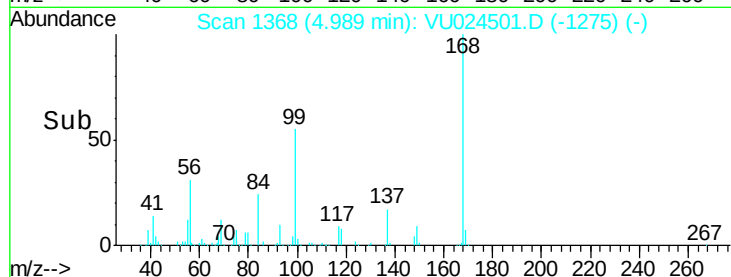
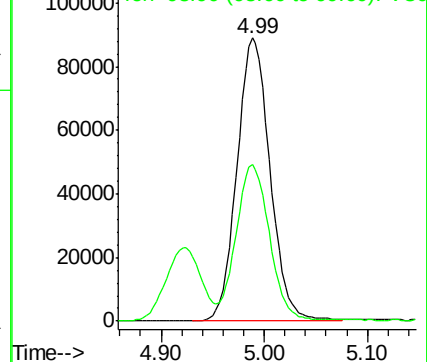
168 100

99 54.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024501.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024501.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 16.21 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024501.D

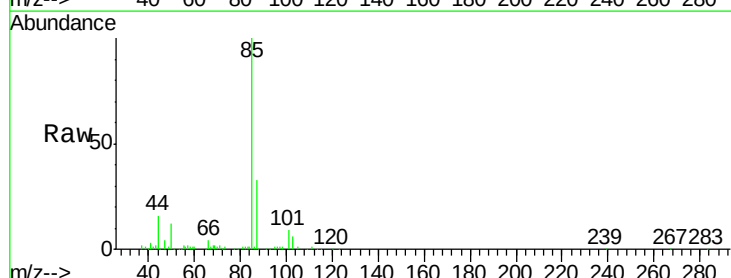
Acq: 13 Jun 2018 12:19

Tgt Ion: 85 Resp: 48875

Ion Ratio Lower Upper

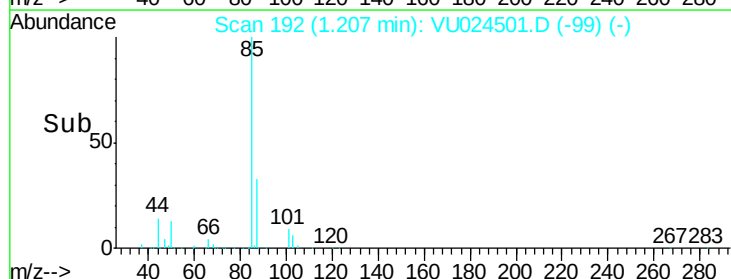
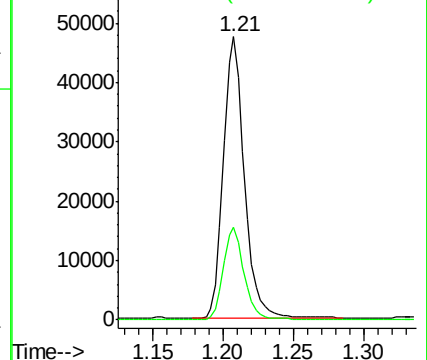
85 100

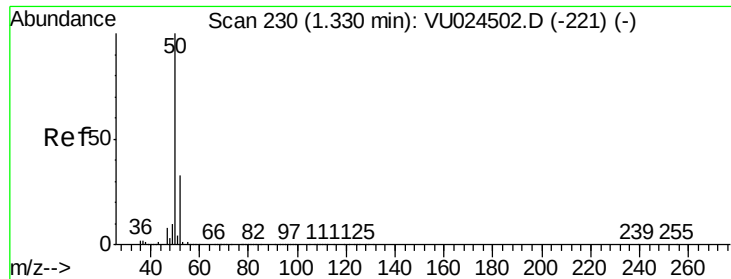
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024501.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU024501.D (-99) (-)





#3

Chloromethane

Concen: 14.05 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

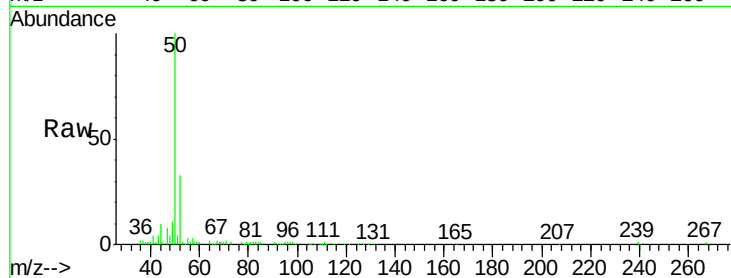
VSTDIC020

Tgt Ion: 50 Resp: 49358

Ion Ratio Lower Upper

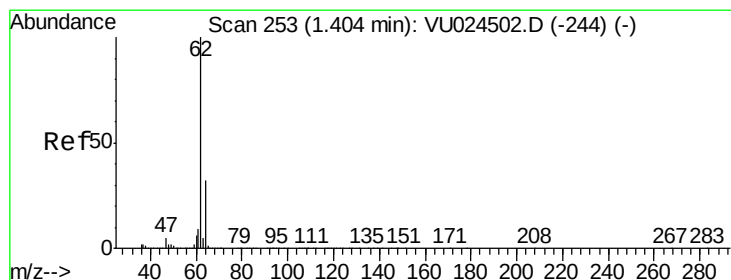
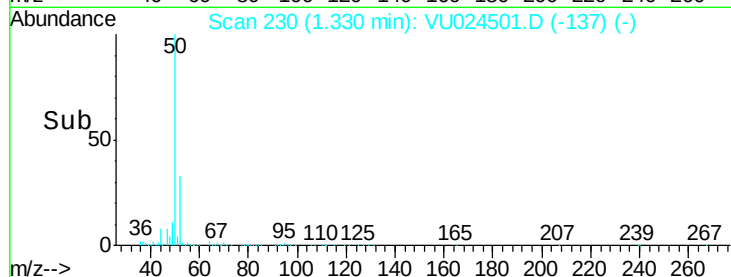
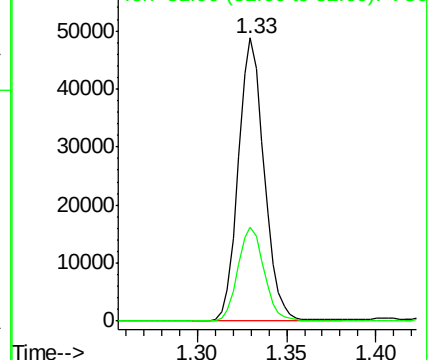
50 100

52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 12.83 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024501.D

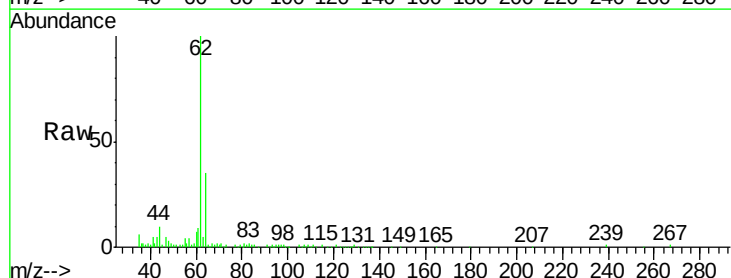
Acq: 13 Jun 2018 12:19

Tgt Ion: 62 Resp: 50179

Ion Ratio Lower Upper

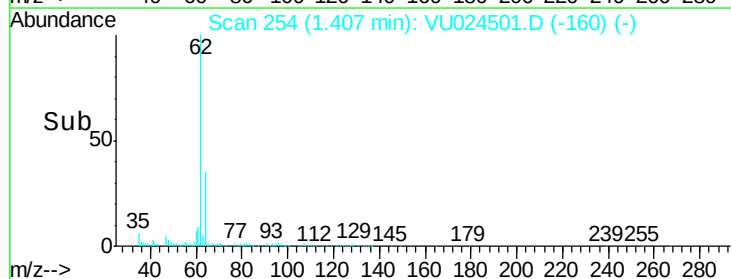
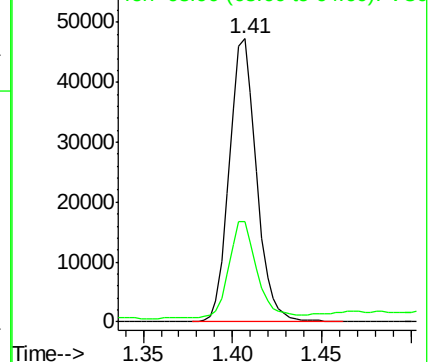
62 100

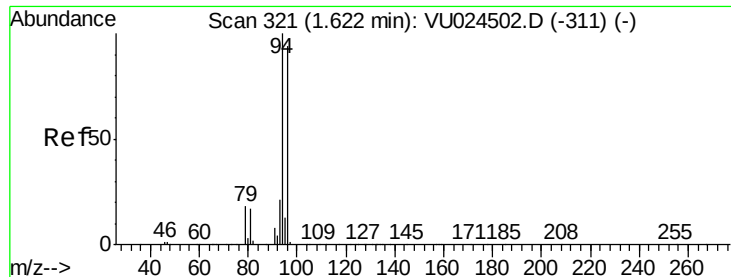
64 33.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 11.88 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

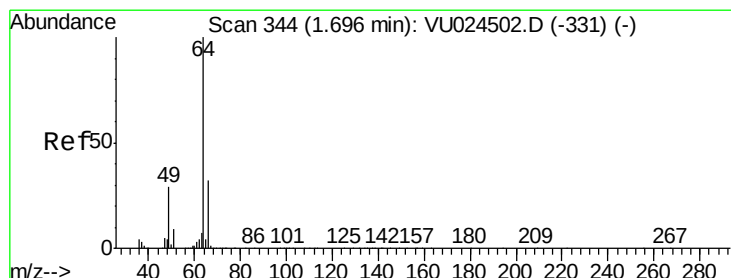
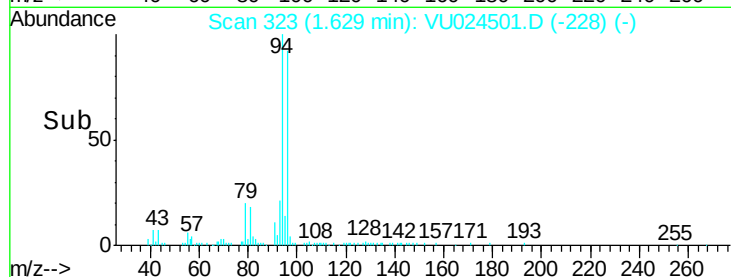
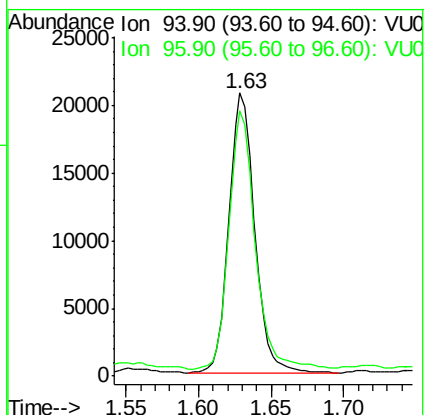
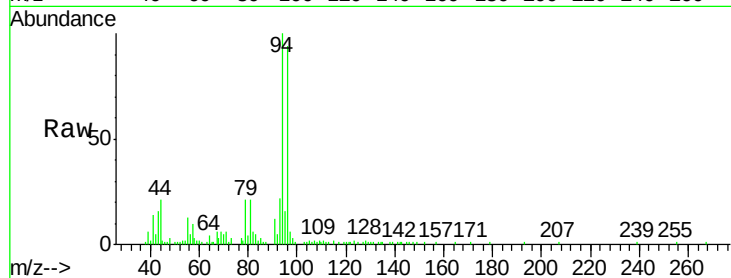
VSTDIC020

Tgt Ion: 94 Resp: 25539

Ion Ratio Lower Upper

94 100

96 92.4 74.5 111.7



#6

Chloroethane

Concen: 11.23 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024501.D

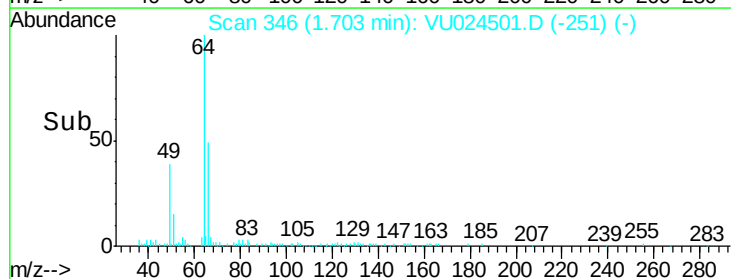
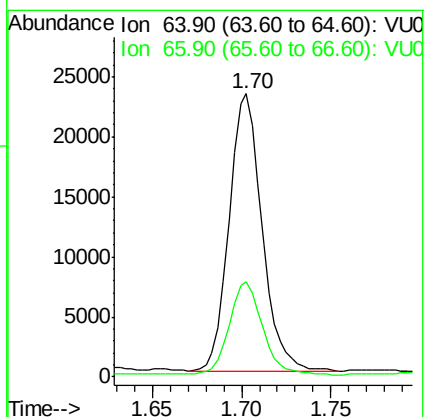
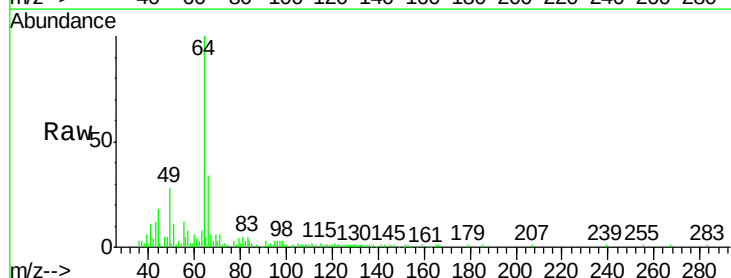
Acq: 13 Jun 2018 12:19

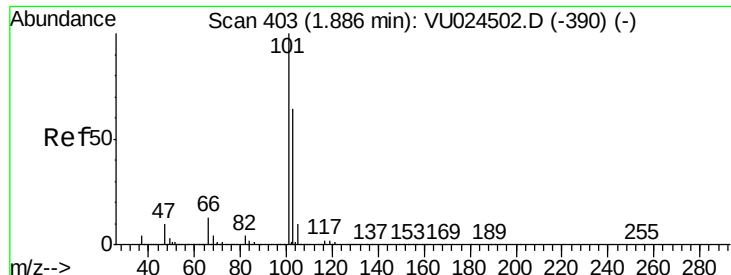
Tgt Ion: 64 Resp: 29694

Ion Ratio Lower Upper

64 100

66 33.5 25.5 38.3





#7

Trichlorofluoromethane

Concen: 14.79 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

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ClientSampleId :

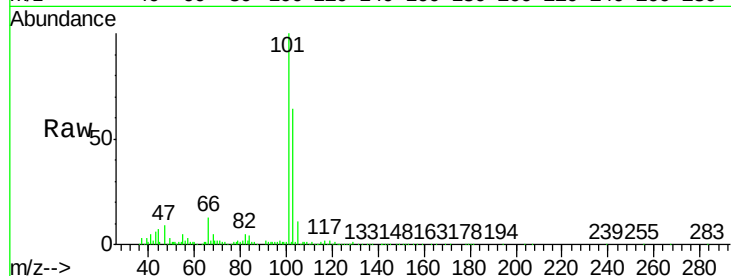
VSTDIC020

Tgt Ion:101 Resp: 78541

Ion Ratio Lower Upper

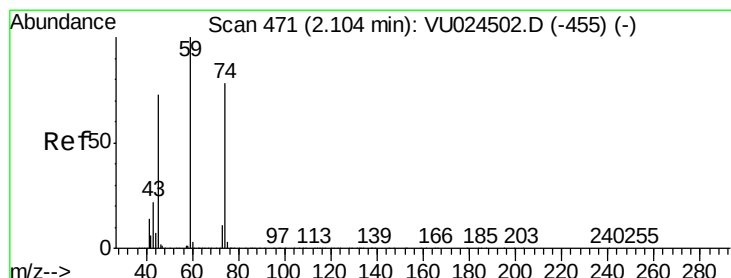
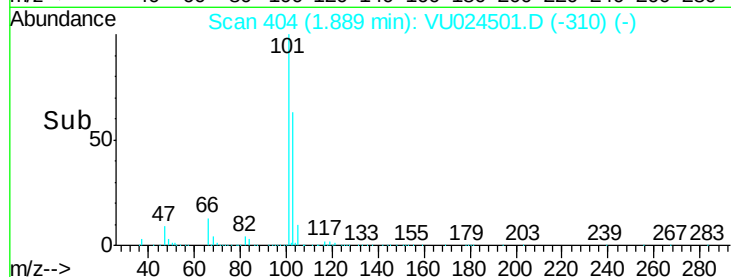
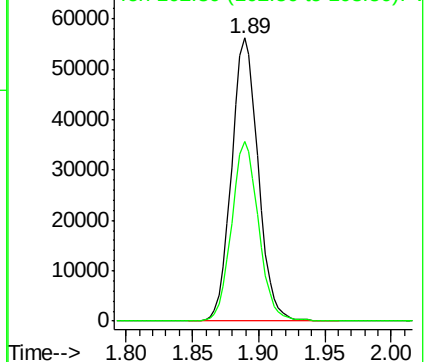
101 100

103 63.6 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 13.73 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU024501.D

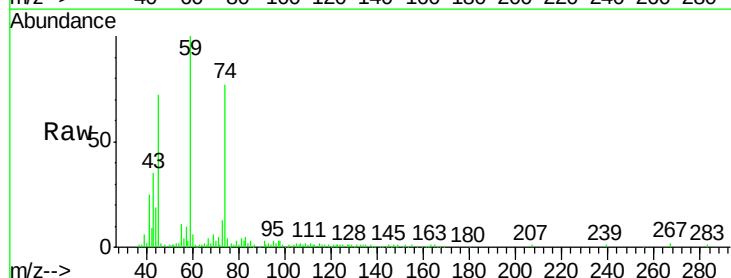
Acq: 13 Jun 2018 12:19

Tgt Ion: 74 Resp: 29140

Ion Ratio Lower Upper

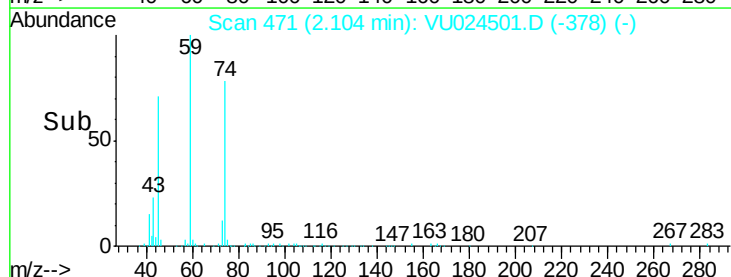
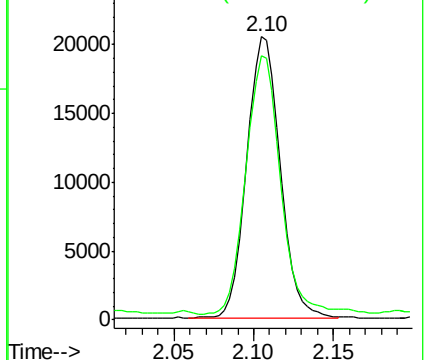
74 100

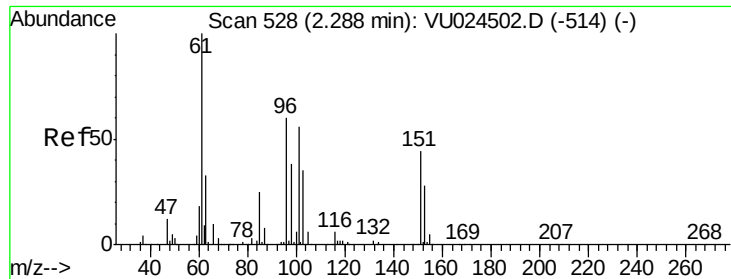
45 94.6 55.0 165.0



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: 15.94 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

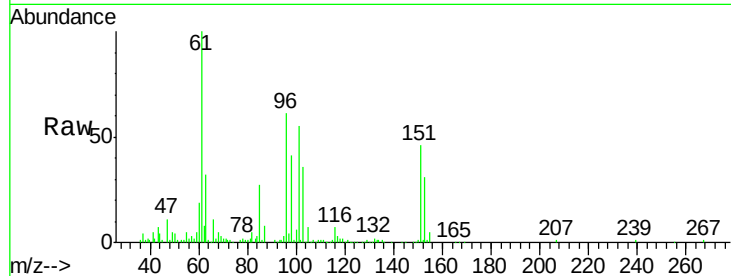
Tgt Ion:101 Resp: 47123

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

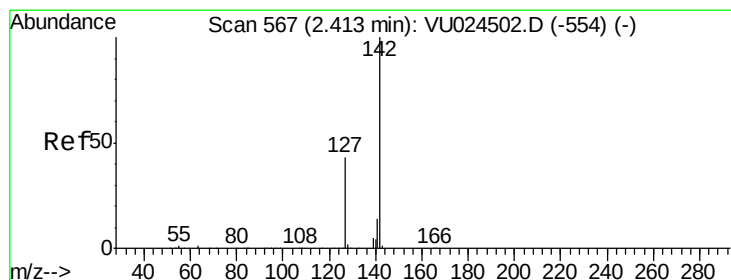
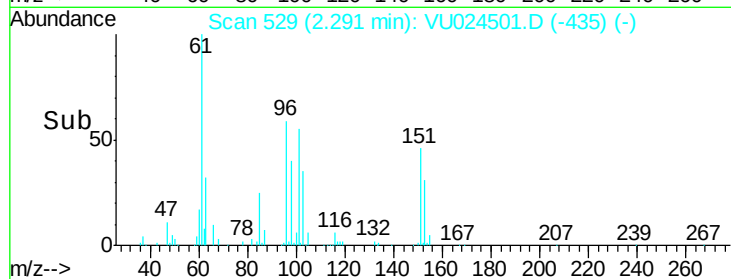
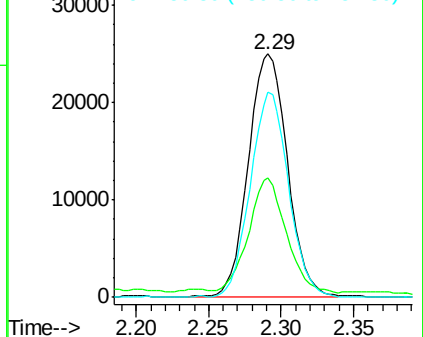
151 82.4 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.59 ug/l

RT: 2.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

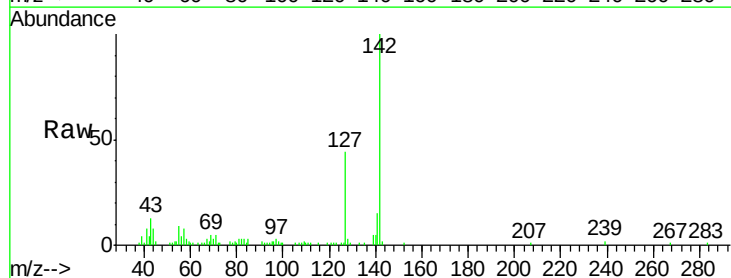
Tgt Ion:142 Resp: 31101

Ion Ratio Lower Upper

142 100

127 44.8 35.6 53.4

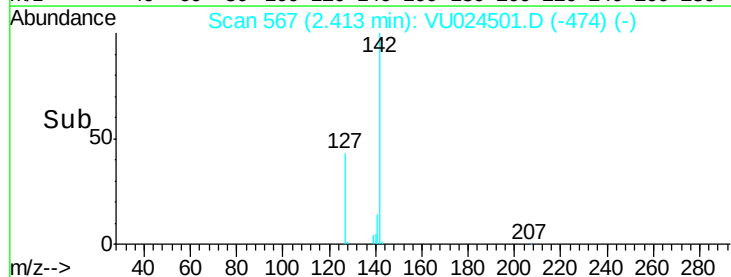
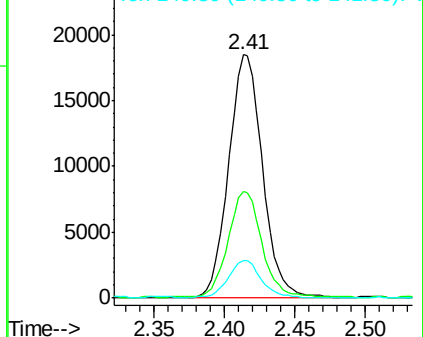
141 15.3 11.7 17.5

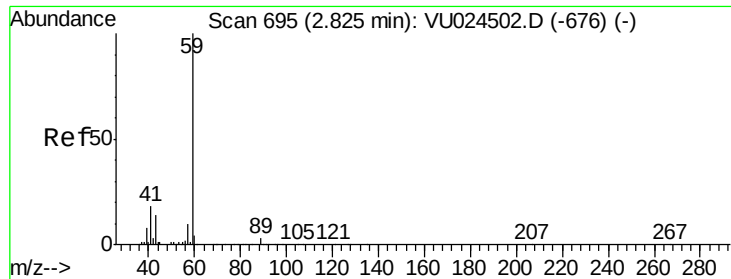


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

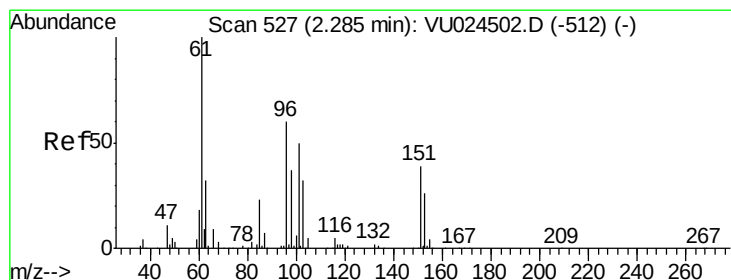
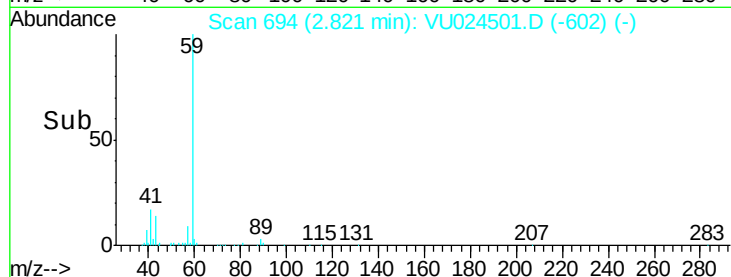
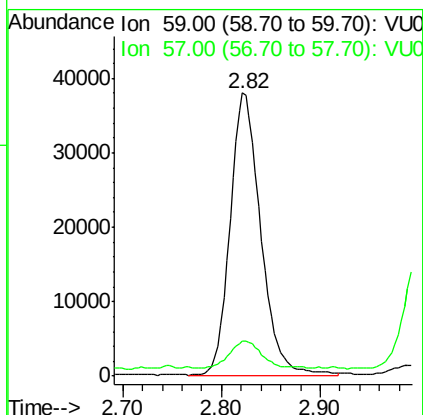
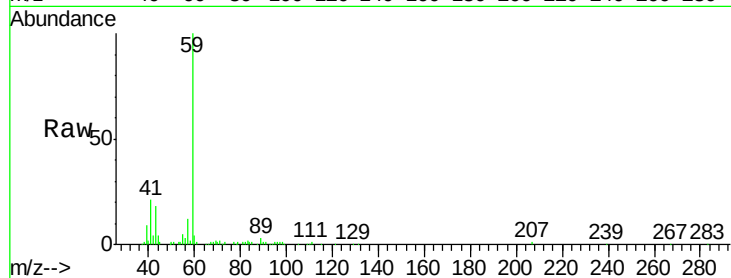




#11
Tert butyl alcohol
Concen: 109.20 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

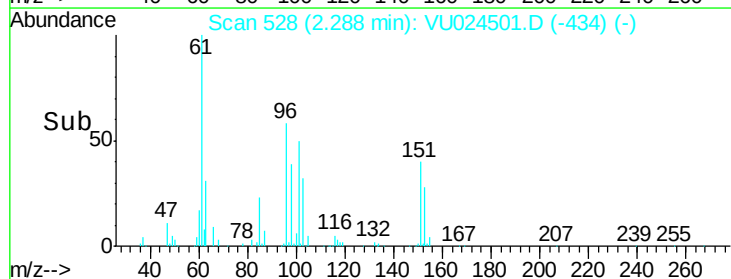
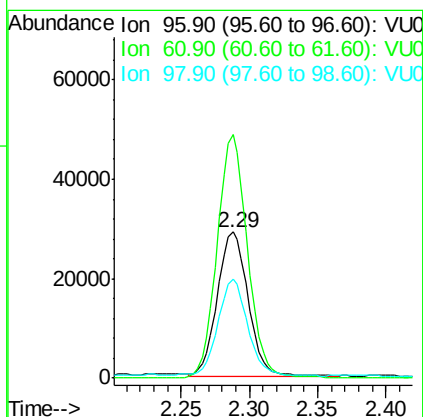
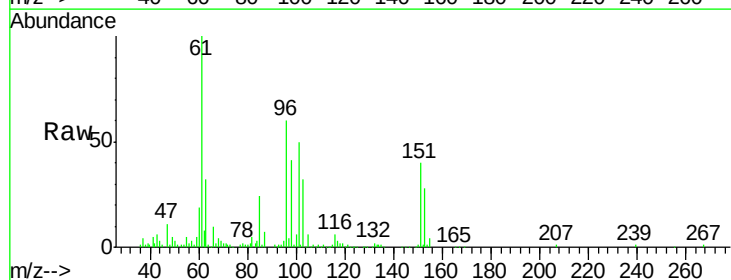
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

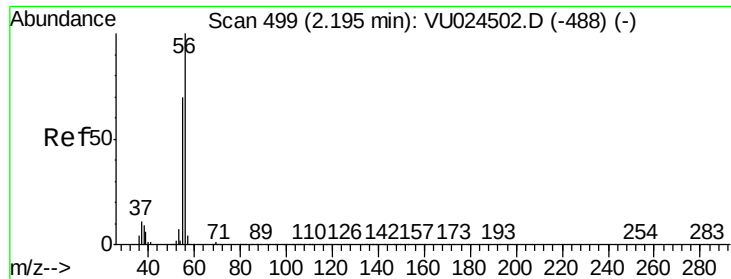
Tgt Ion: 59 Resp: 81691
Ion Ratio Lower Upper
59 100
57 9.4 8.5 12.7



#12
1,1-Dichloroethene
Concen: 16.31 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 96 Resp: 45154
Ion Ratio Lower Upper
96 100
61 168.9 141.7 212.5
98 67.4 51.6 77.4





#13

Acrolein

Concen: 52.82 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

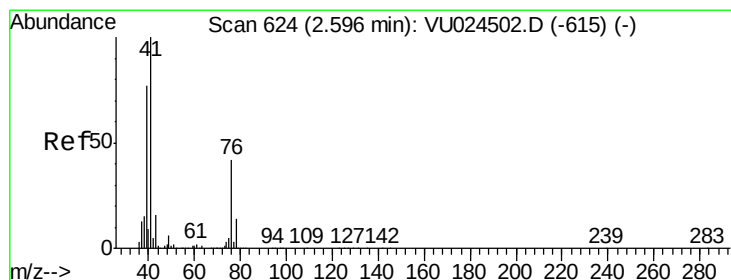
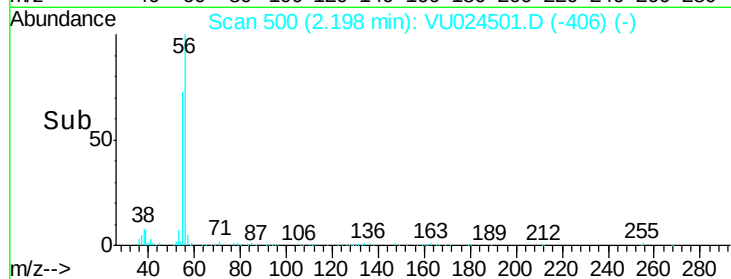
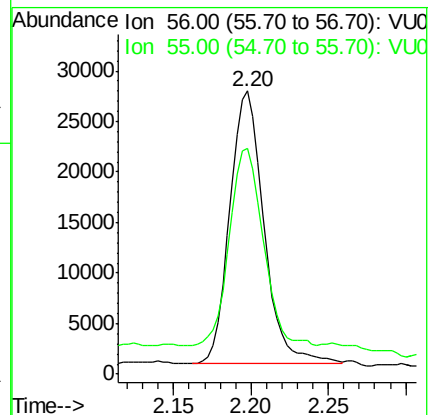
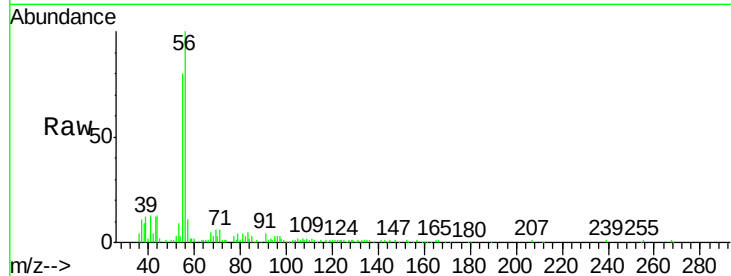
VSTDIC020

Tgt Ion: 56 Resp: 41132

Ion Ratio Lower Upper

56 100

55 71.2 58.4 87.6



#14

Allyl chloride

Concen: 17.43 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

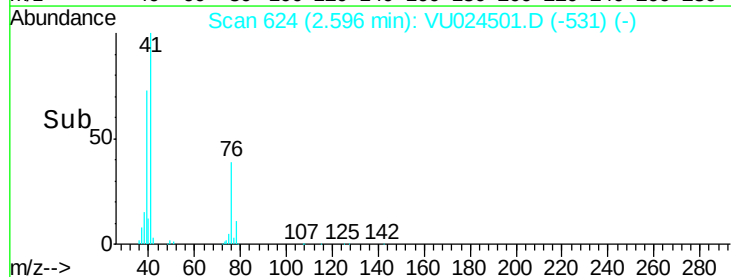
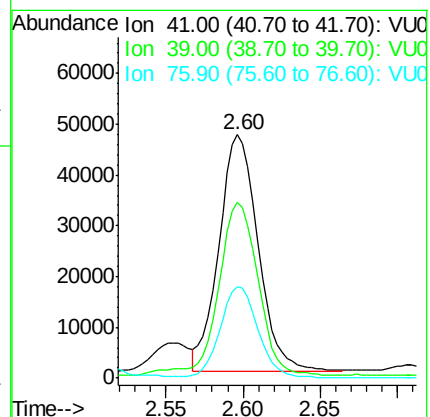
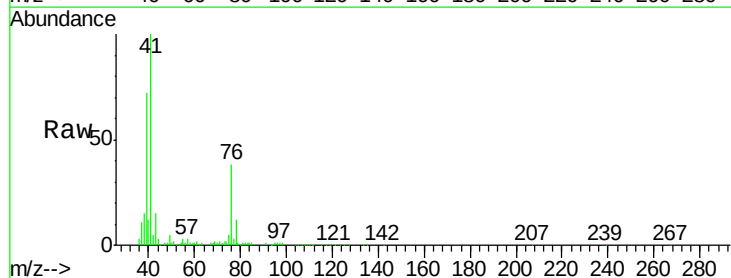
Tgt Ion: 41 Resp: 81886

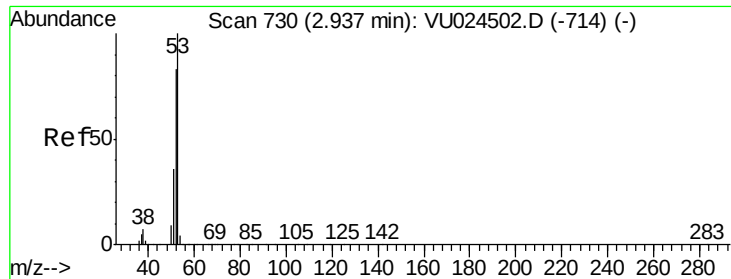
Ion Ratio Lower Upper

41 100

39 73.5 61.6 92.4

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 79.39 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

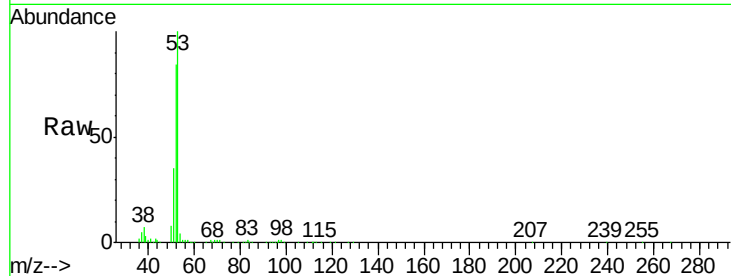
Tgt Ion: 53 Resp: 158616

Ion Ratio Lower Upper

53 100

52 83.1 67.1 100.7

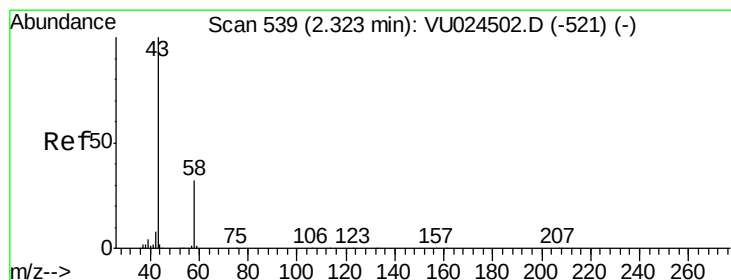
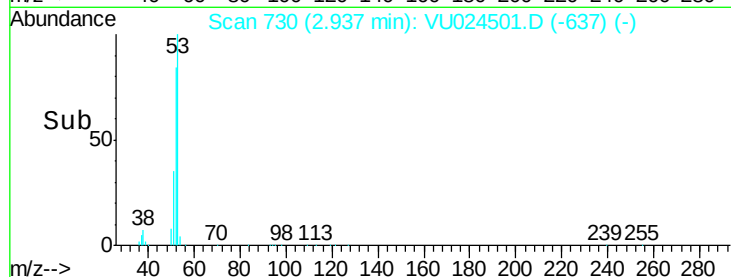
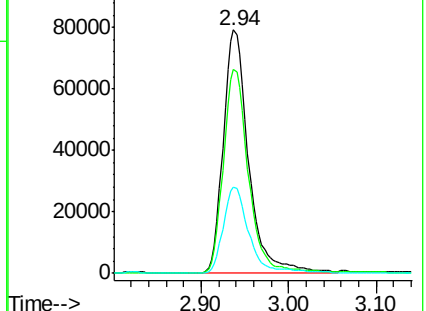
51 35.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 69.09 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024501.D

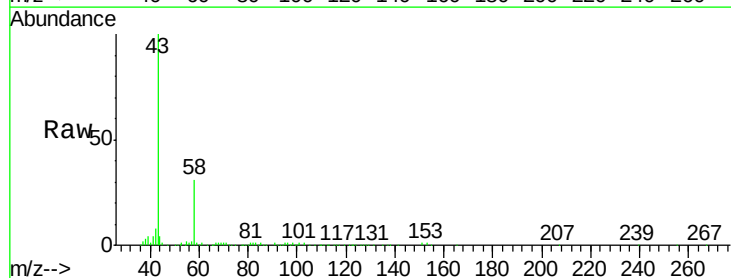
Acq: 13 Jun 2018 12:19

Tgt Ion: 43 Resp: 173681

Ion Ratio Lower Upper

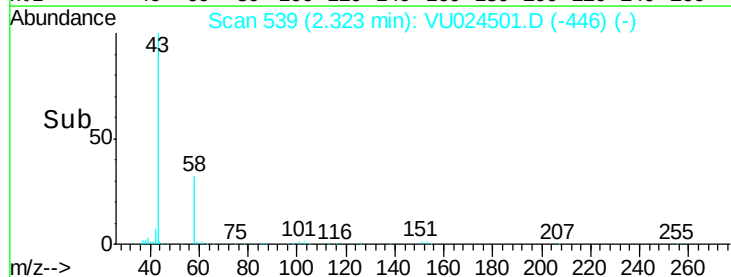
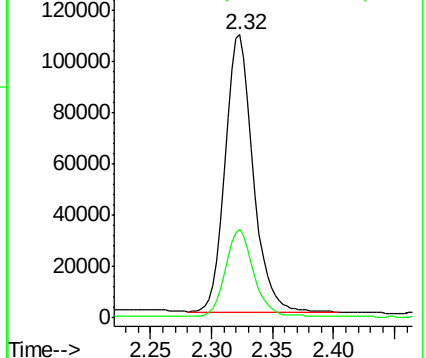
43 100

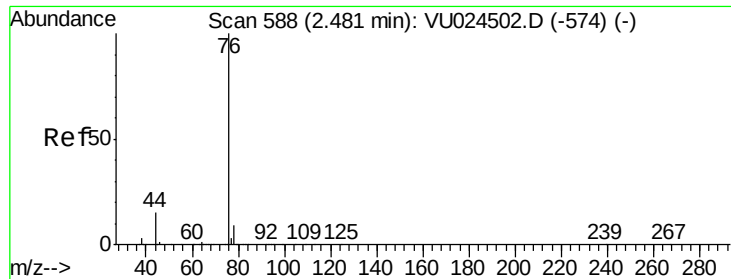
58 31.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

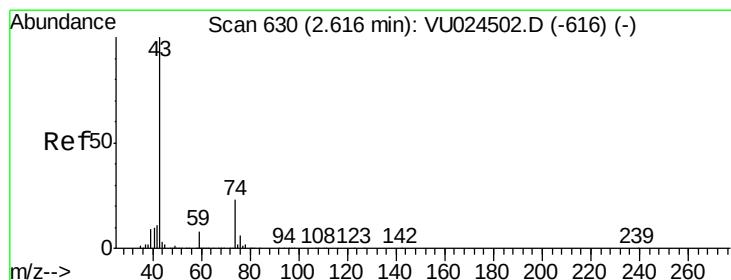
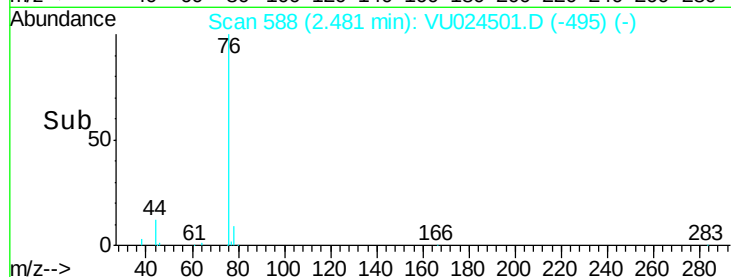
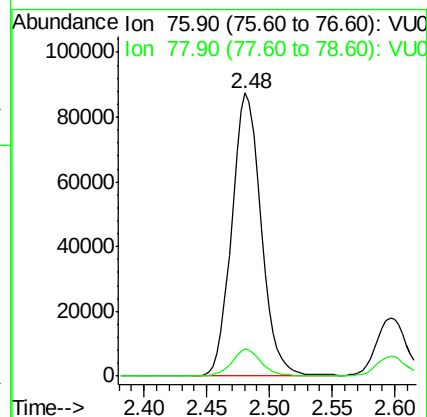
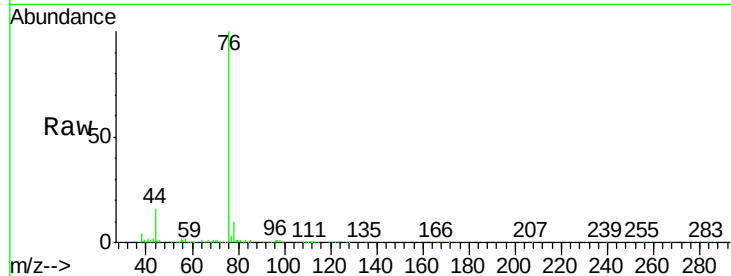




#17
Carbon Disulfide
Concen: 16.70 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

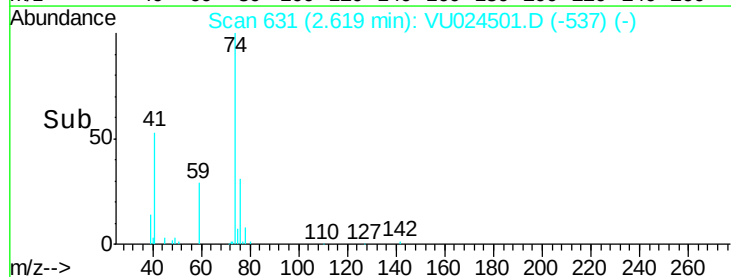
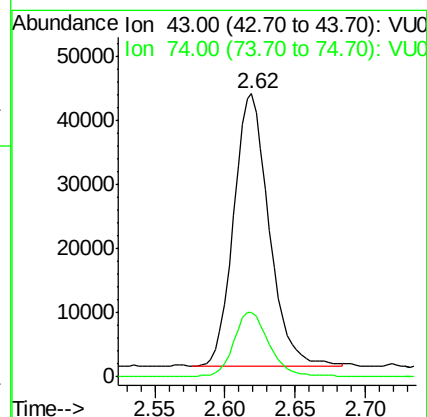
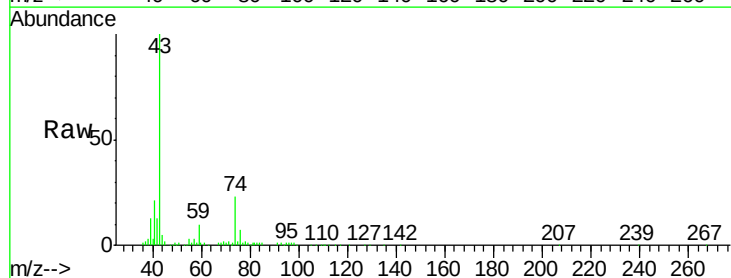
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

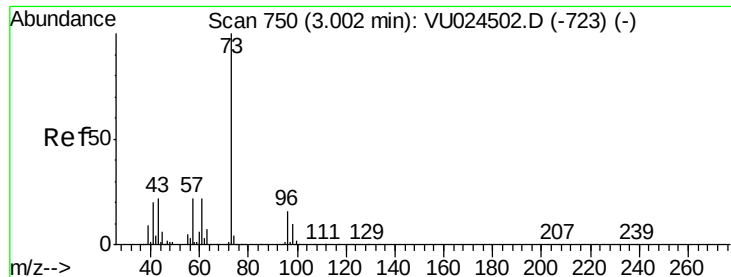
Tgt Ion: 76 Resp: 142299
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 14.93 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 43 Resp: 74594
Ion Ratio Lower Upper
43 100
74 24.3 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 19.31 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

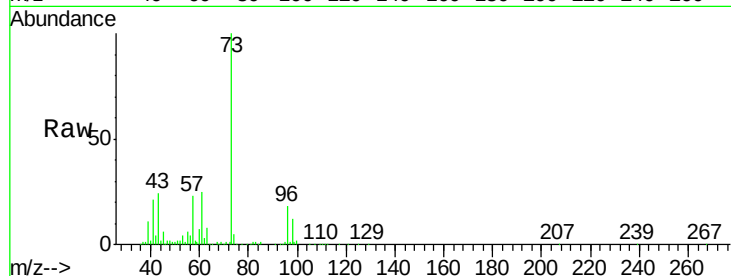
VSTDIC020

Tgt Ion: 73 Resp: 168057

Ion Ratio Lower Upper

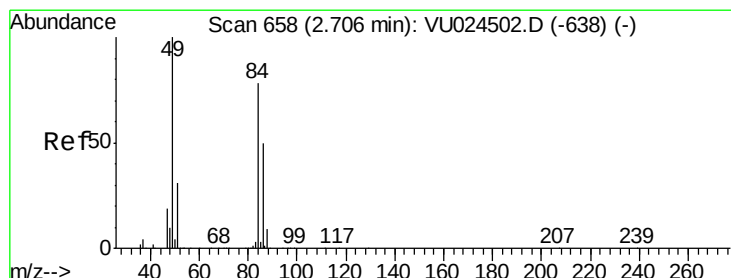
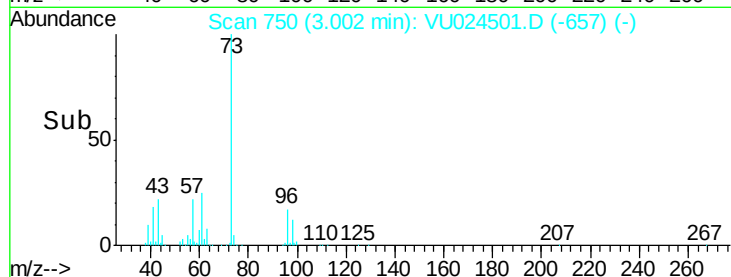
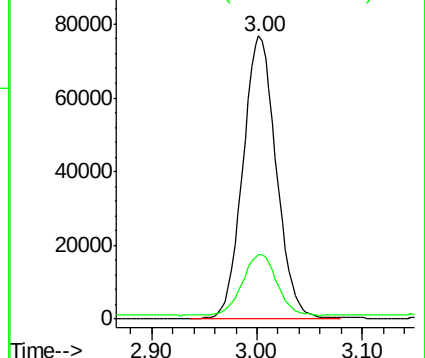
73 100

57 21.5 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#20

Methylene Chloride

Concen: 15.08 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Tgt Ion: 84 Resp: 52077

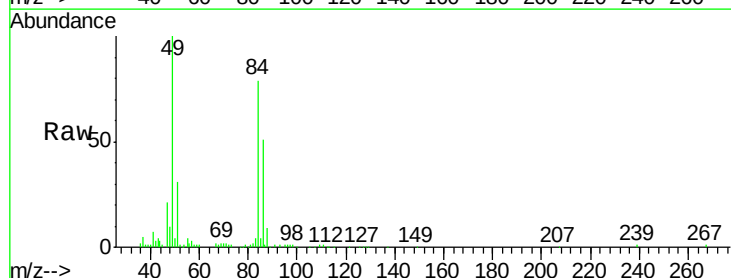
Ion Ratio Lower Upper

84 100

49 126.9 103.8 155.8

51 38.8 32.0 48.0

86 64.9 51.6 77.4

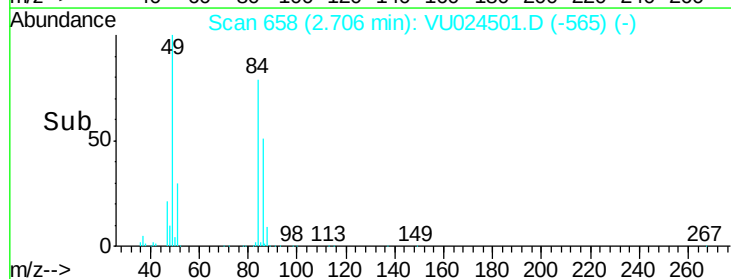
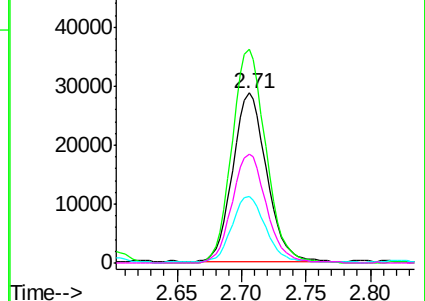


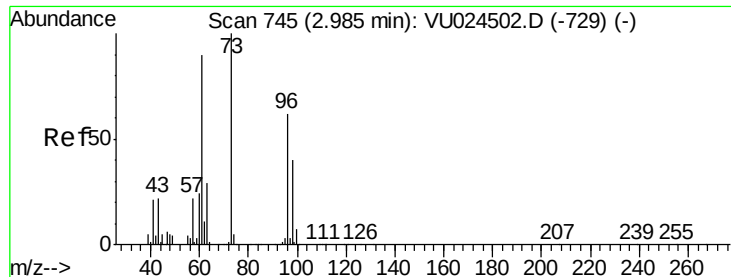
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 16.58 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

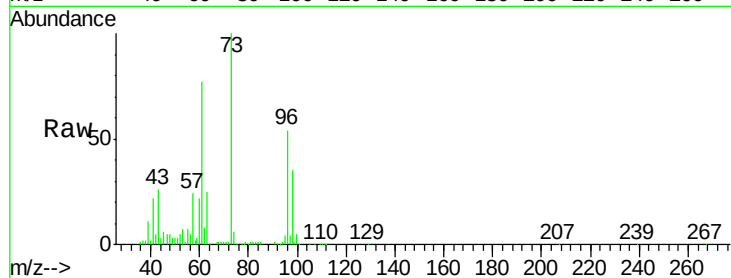
Tgt Ion: 96 Resp: 49275

Ion Ratio Lower Upper

96 100

61 142.6 119.4 179.0

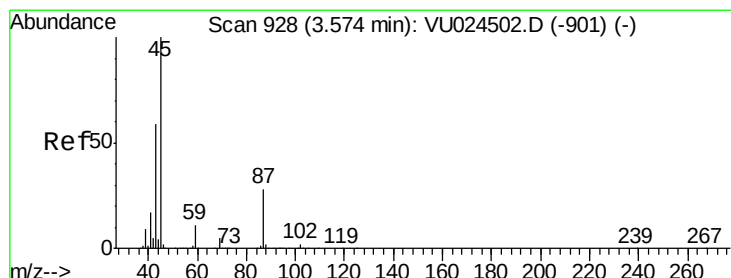
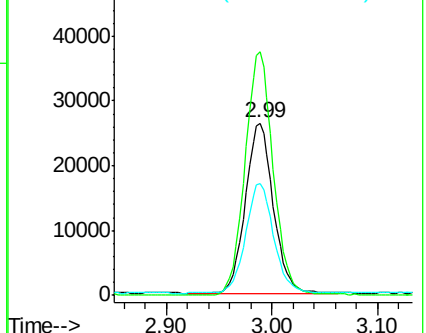
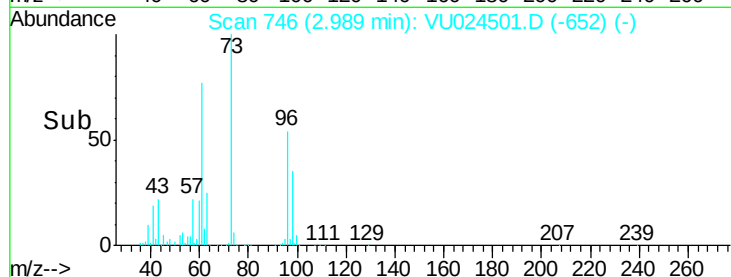
98 64.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024501.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024501.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024501.D (-652) (-)



#22

Diisopropyl ether

Concen: 17.72 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Tgt Ion: 45 Resp: 167772

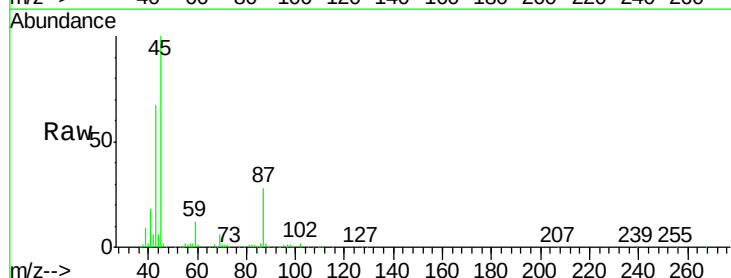
Ion Ratio Lower Upper

45 100

43 64.7 45.8 68.6

87 28.3 20.6 31.0

59 11.4 9.4 14.0

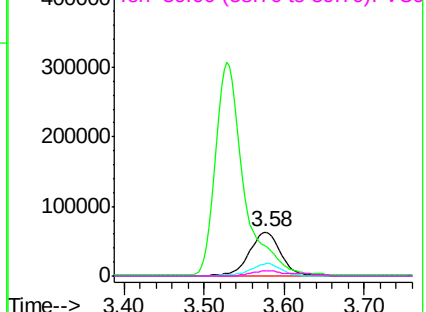
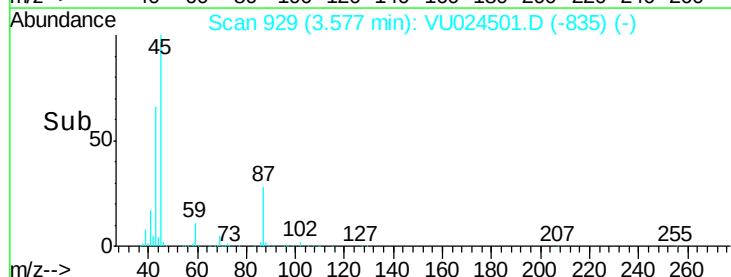


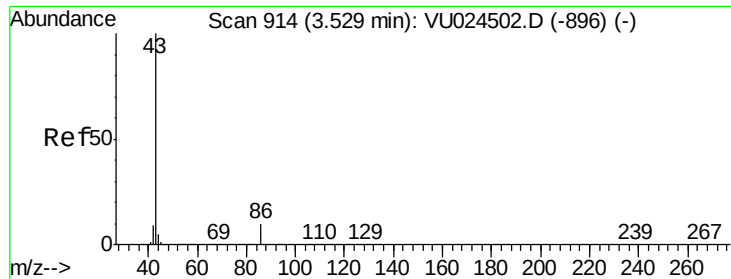
Abundance Ion 45.00 (44.70 to 45.70): VU024501.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024501.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024501.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024501.D (-835) (-)





#23

Vinyl Acetate

Concen: 107.06 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

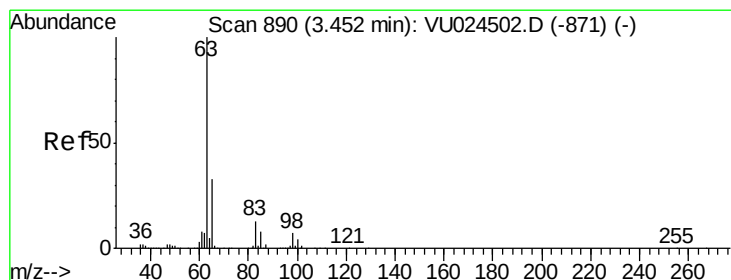
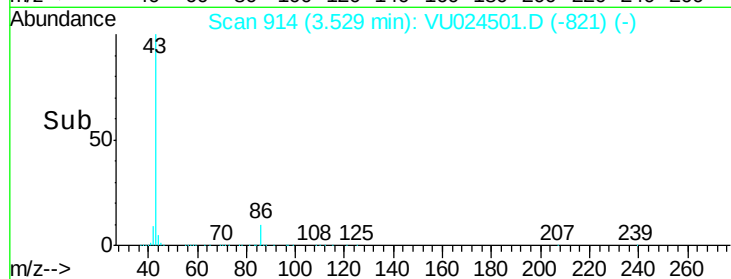
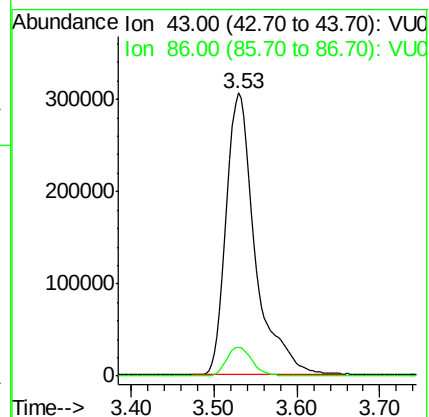
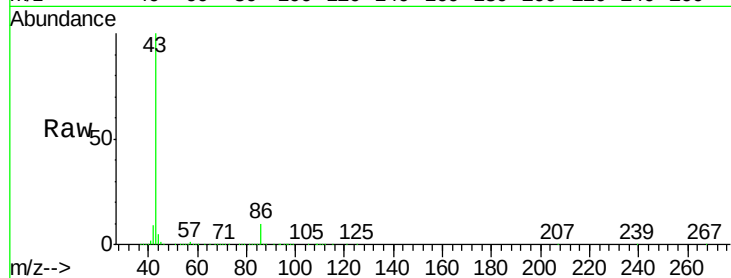
VSTDIC020

Tgt Ion: 43 Resp: 744862

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



#24

1,1-Dichloroethane

Concen: 16.22 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

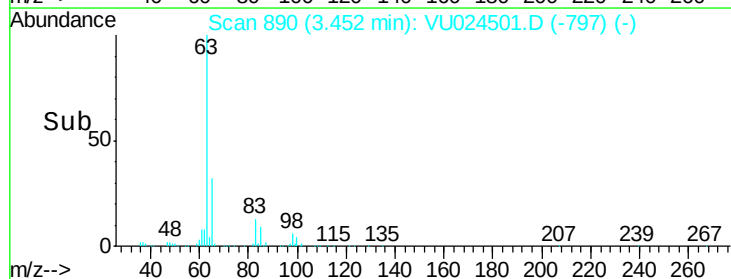
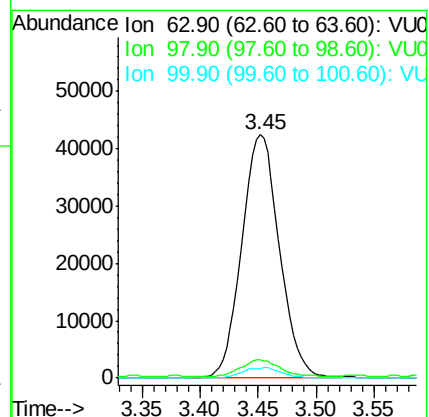
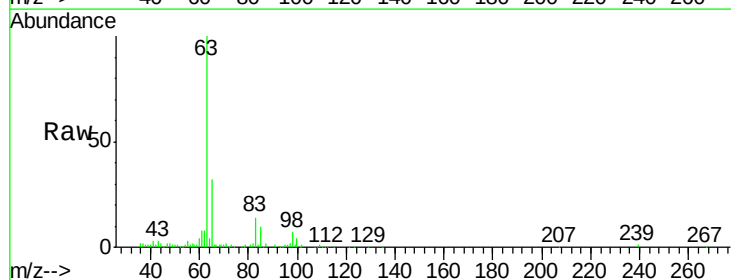
Tgt Ion: 63 Resp: 96159

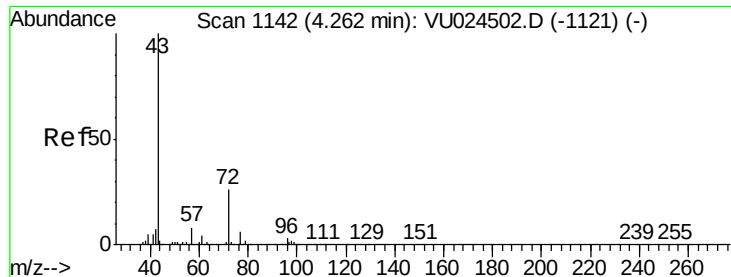
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.1 1.8 5.5

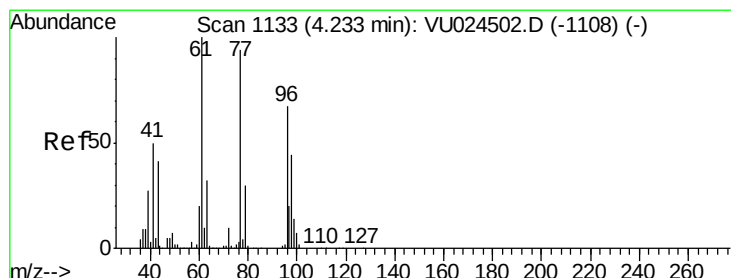
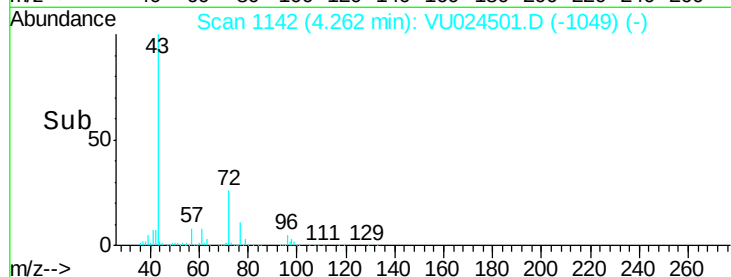
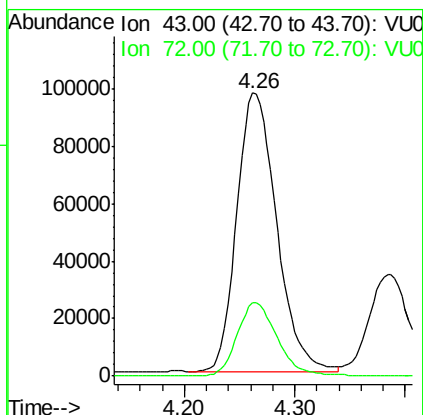
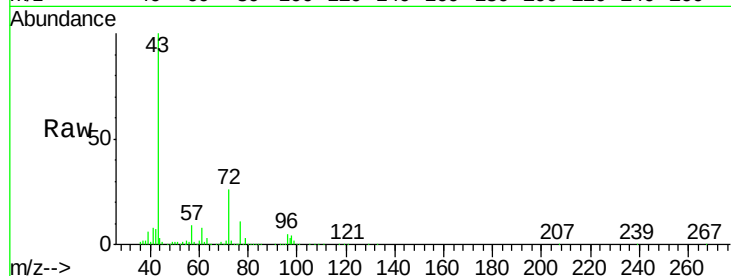




#25
 2-Butanone
 Concen: 80.94 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

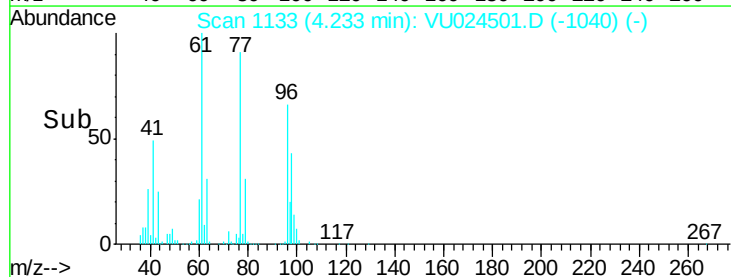
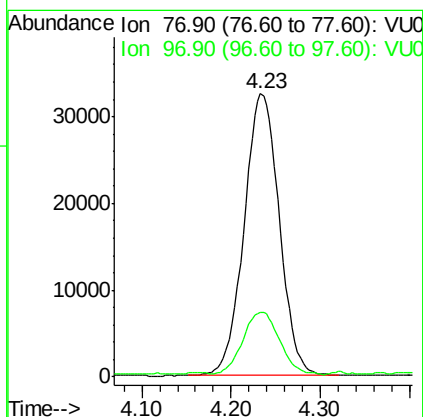
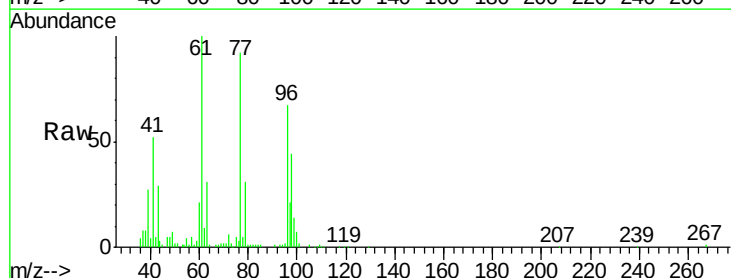
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

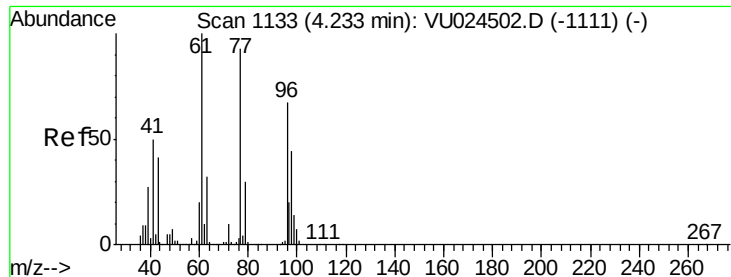
Tgt Ion: 43 Resp: 243329
 Ion Ratio Lower Upper
 43 100
 72 26.2 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 77 Resp: 89129
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.3 33.8

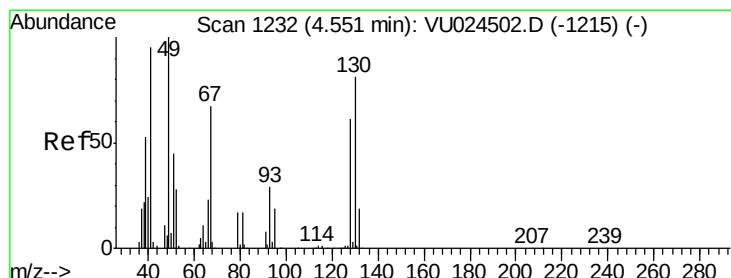
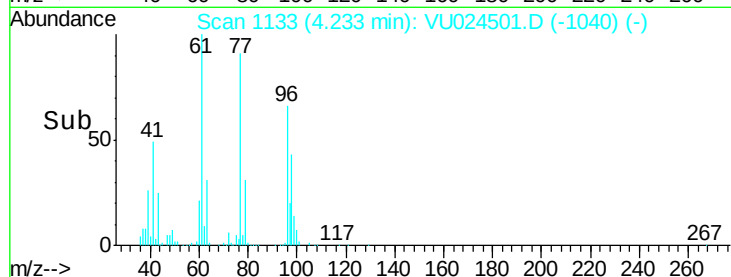
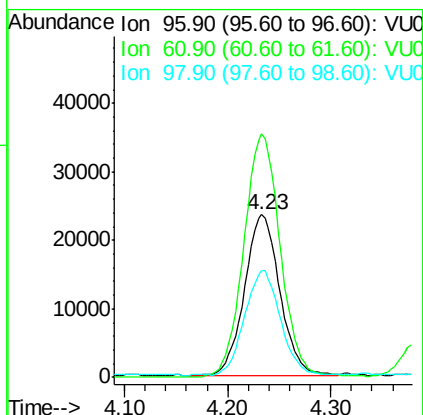
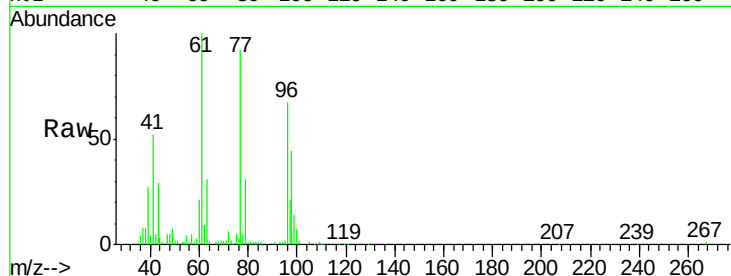




#27
 cis-1,2-Dichloroethene
 Concen: 17.34 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

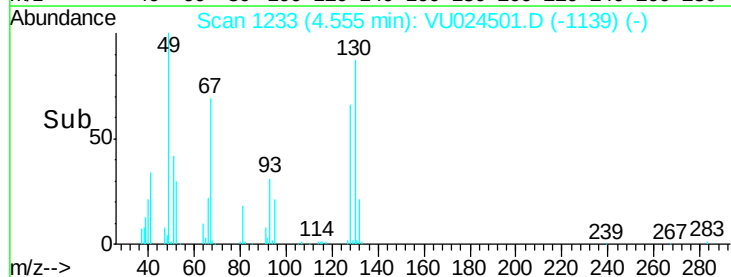
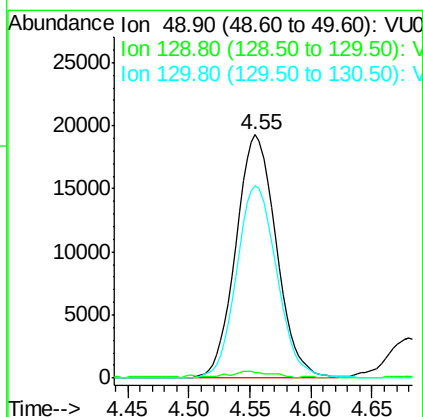
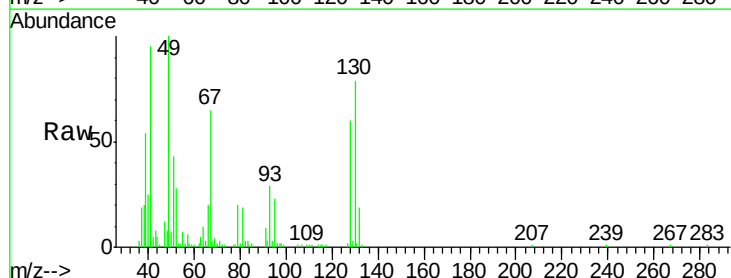
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

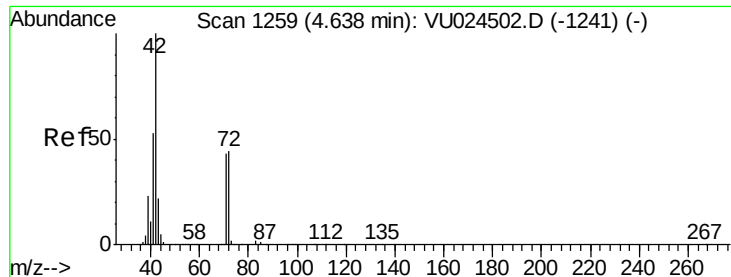
Tgt Ion: 96 Resp: 55976
 Ion Ratio Lower Upper
 96 100
 61 156.5 0.0 306.6
 98 65.1 0.0 128.8



#28
 Bromochloromethane
 Concen: 20.40 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 49 Resp: 44282
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 3.8
 130 78.8 57.8 86.6





#29

Tetrahydrofuran

Concen: 86.35 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

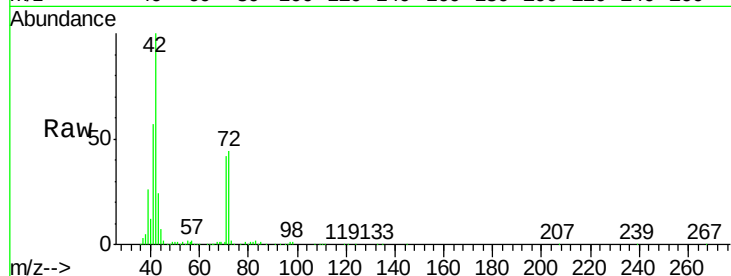
Tgt Ion: 42 Resp: 148142

Ion Ratio Lower Upper

42 100

72 44.9 34.5 51.7

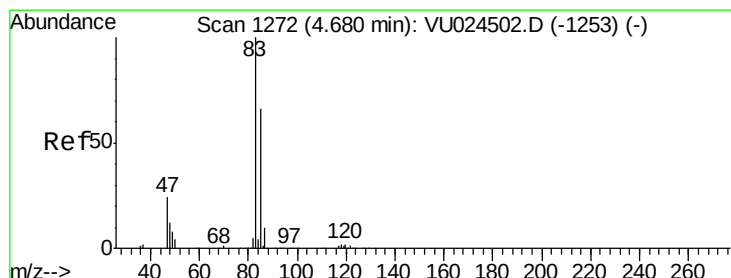
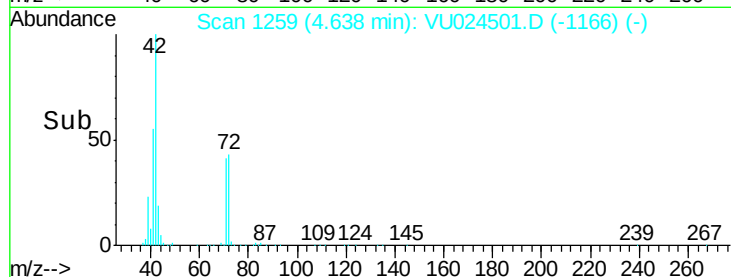
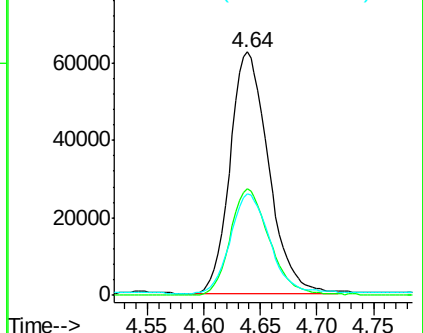
71 41.9 32.2 48.4



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: 15.86 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024501.D

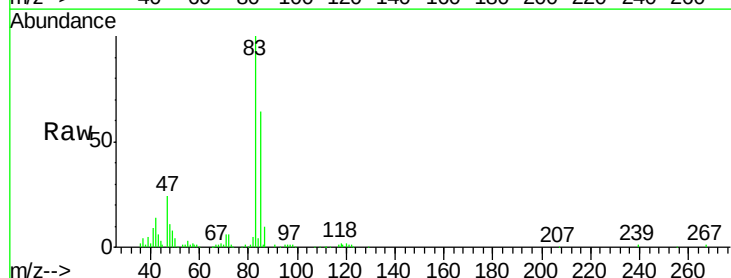
Acq: 13 Jun 2018 12:19

Tgt Ion: 83 Resp: 95215

Ion Ratio Lower Upper

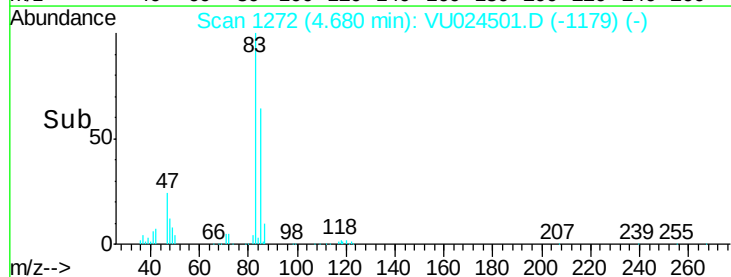
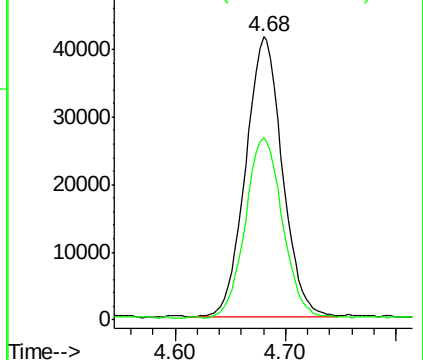
83 100

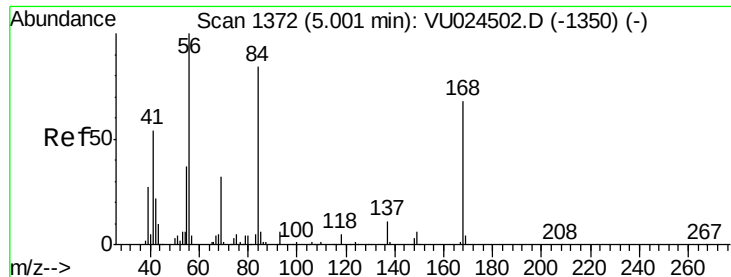
85 63.9 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

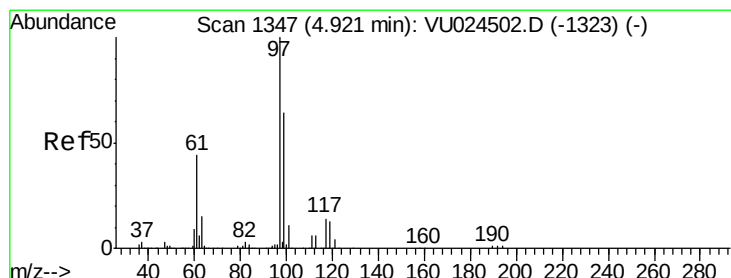
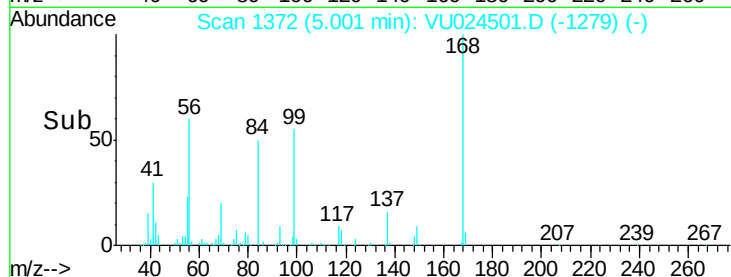
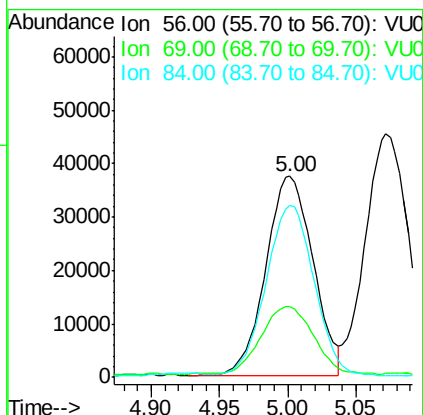
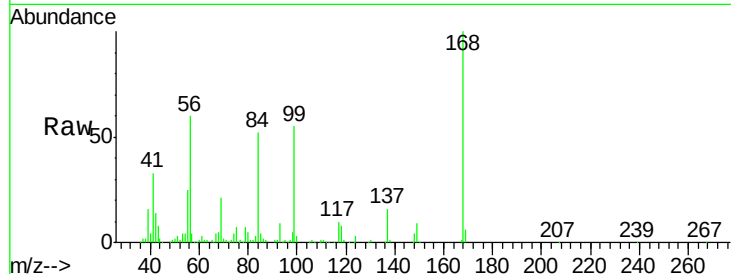




#31
Cyclohexane
Concen: 15.38 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

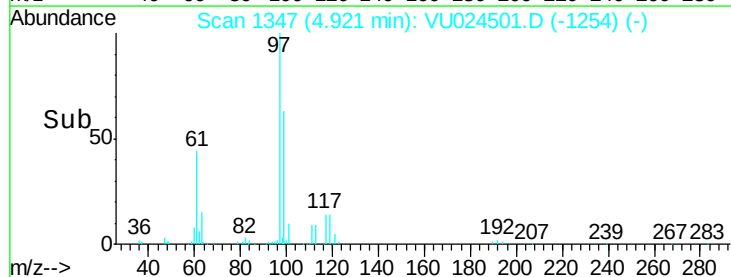
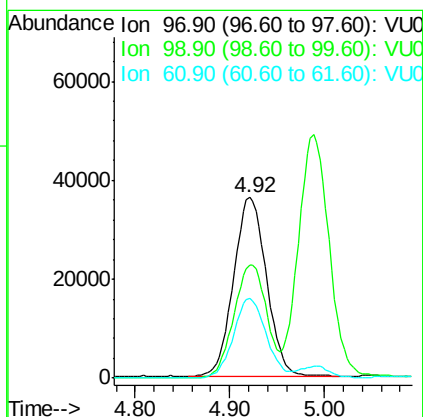
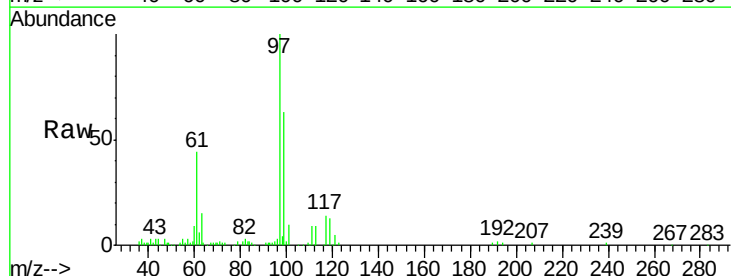
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

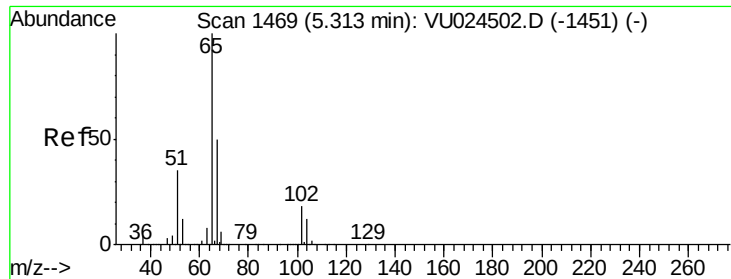
Tgt Ion: 56 Resp: 90422
Ion Ratio Lower Upper
56 100
69 33.6 24.8 37.2
84 83.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 18.26 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 97 Resp: 88187
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 43.9 39.4 59.0

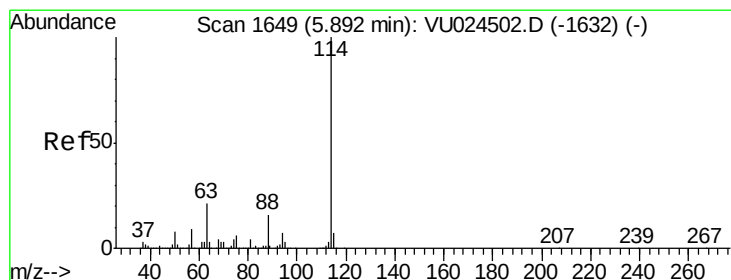
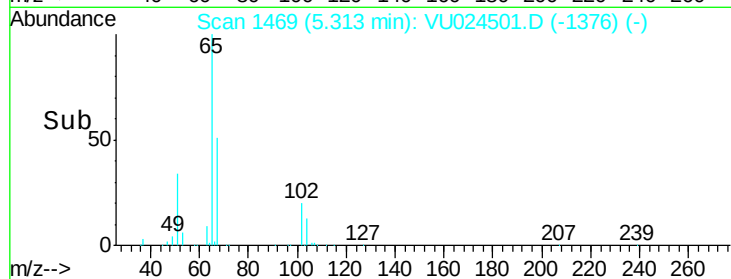
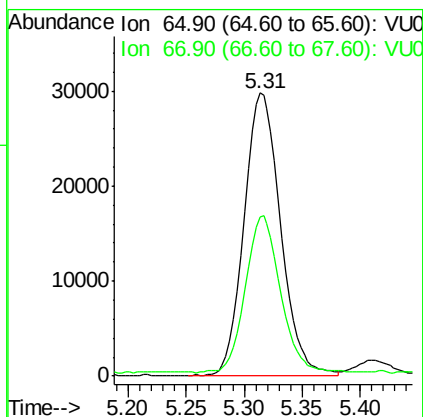
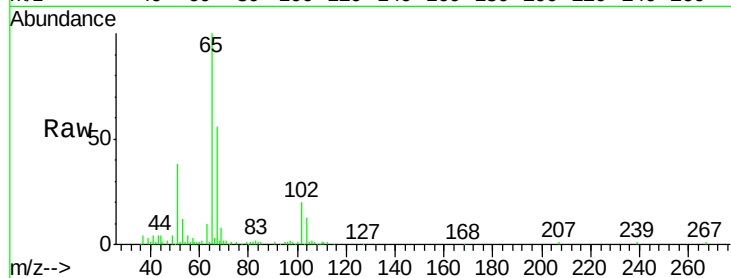




#33
 1,2-Dichloroethane-d4
 Concen: 16.68 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

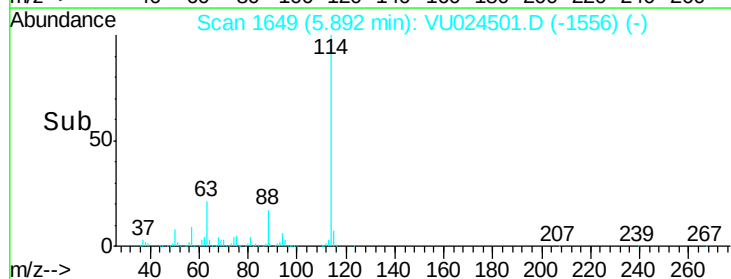
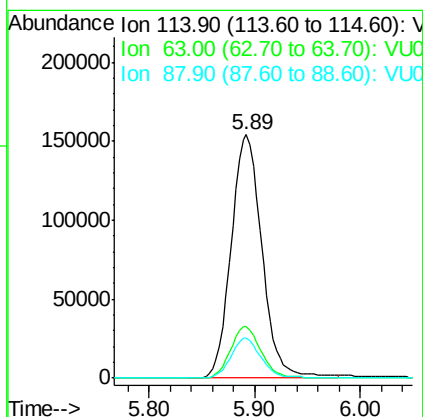
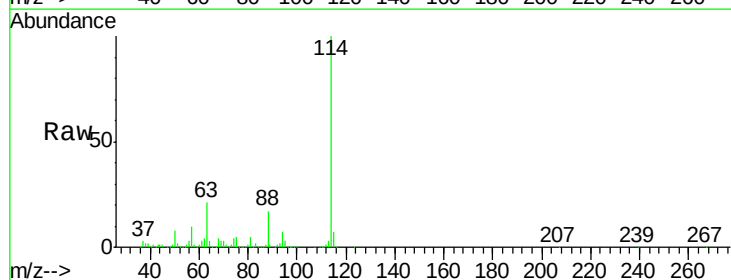
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

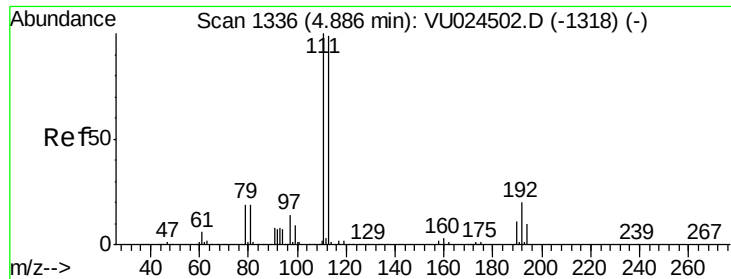
Tgt Ion: 65 Resp: 65695
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 114 Resp: 311978
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 16.21 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

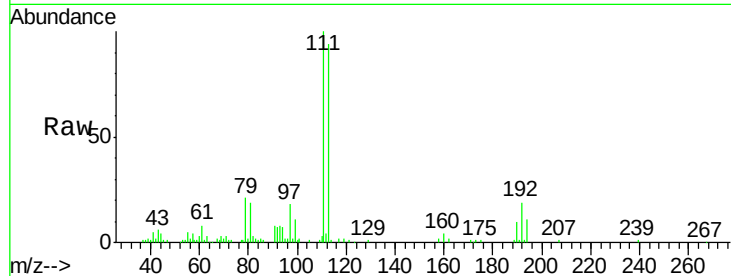
Tgt Ion:113 Resp: 51947

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

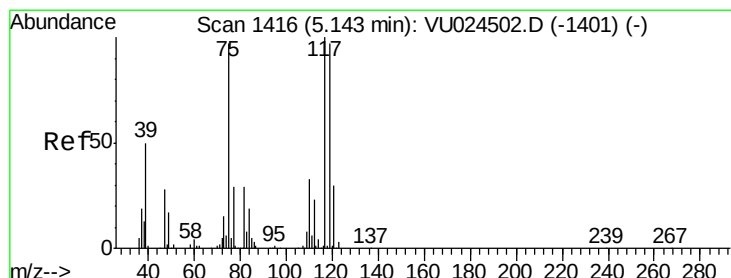
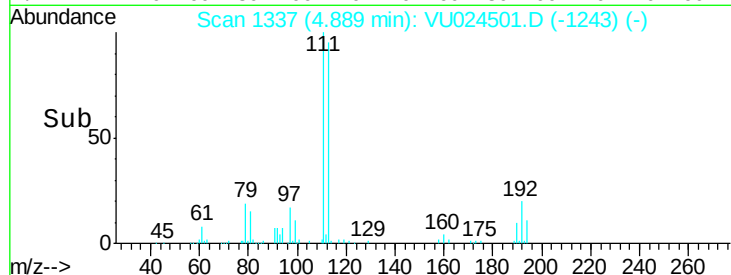
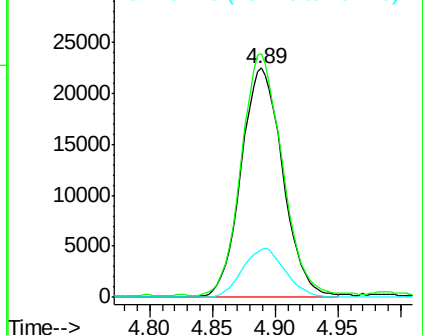
192 21.6 16.2 24.4



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: 15.94 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

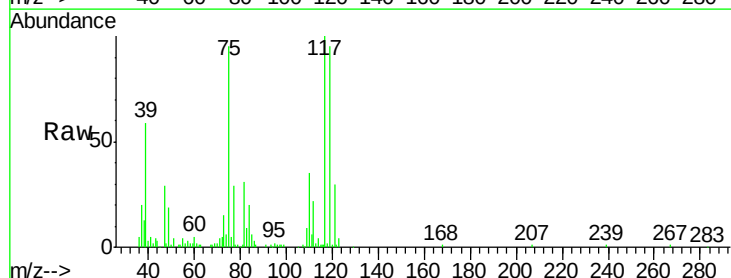
Tgt Ion: 75 Resp: 70987

Ion Ratio Lower Upper

75 100

110 37.1 17.0 50.9

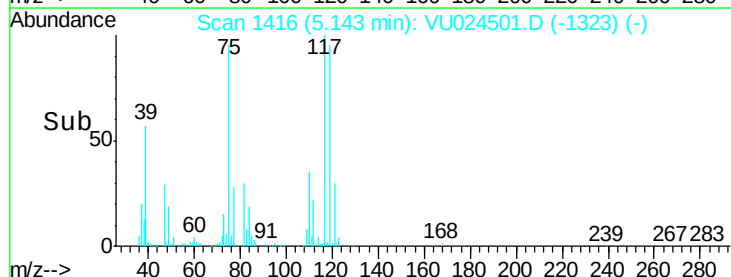
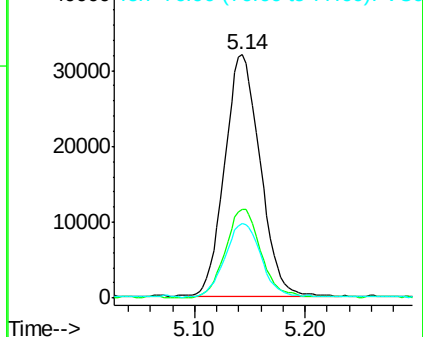
77 31.0 24.2 36.4

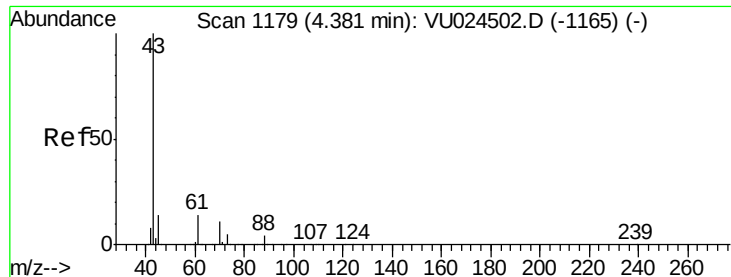


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

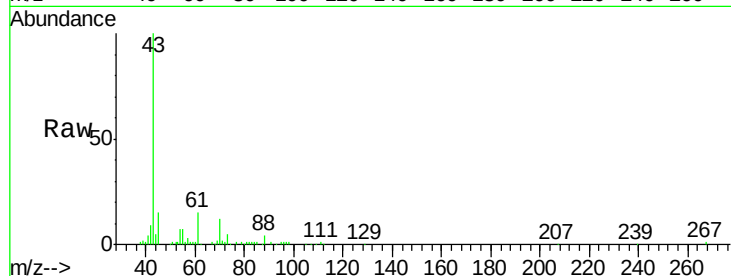




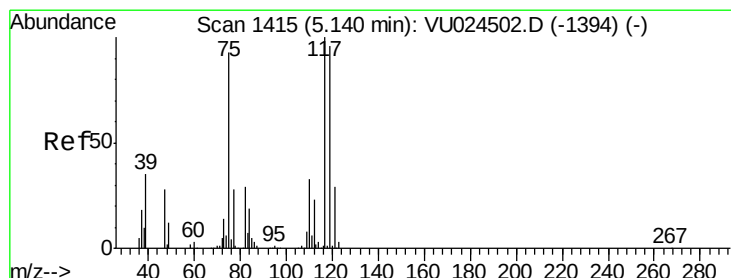
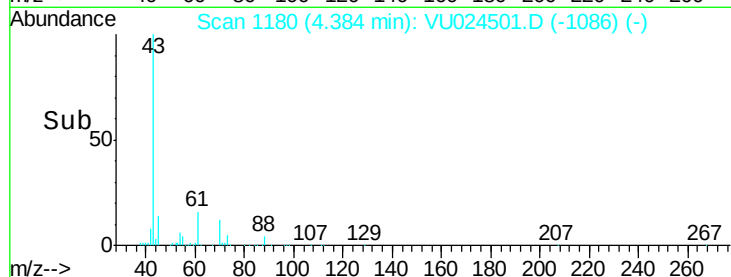
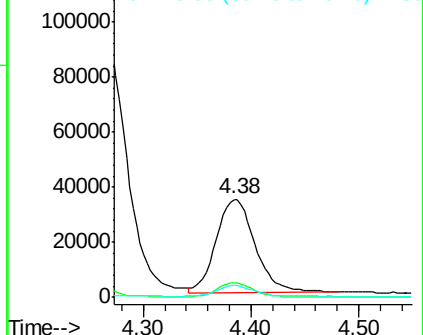
#37
Ethyl Acetate
Concen: 17.08 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 85268
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 11.2 7.4 11.2#

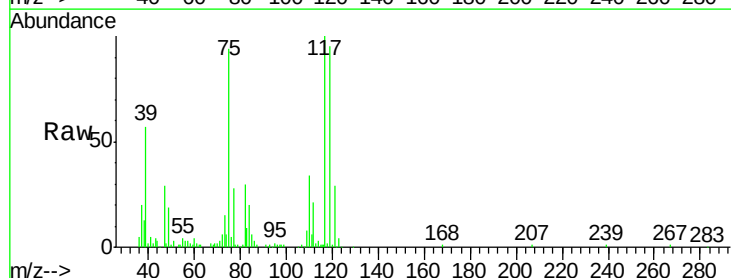


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

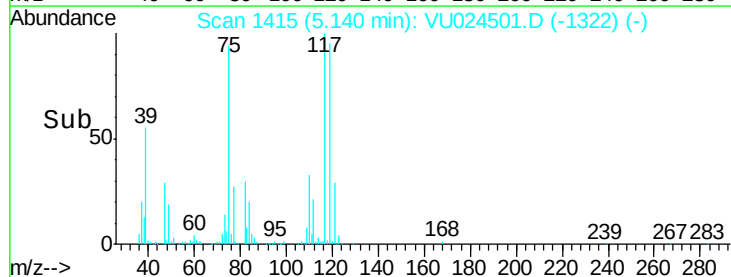
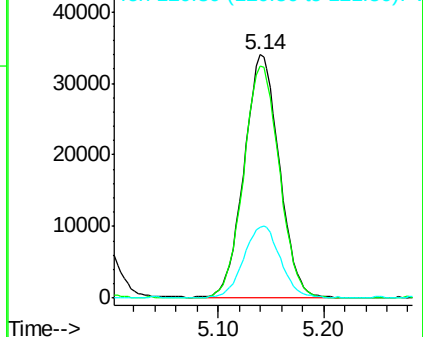


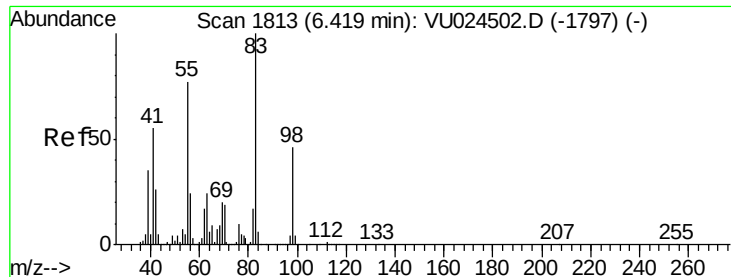
#38
Carbon Tetrachloride
Concen: 18.70 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 117 Resp: 79289
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1
121 29.2 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

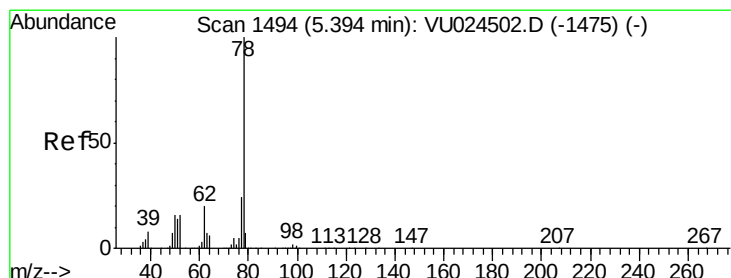
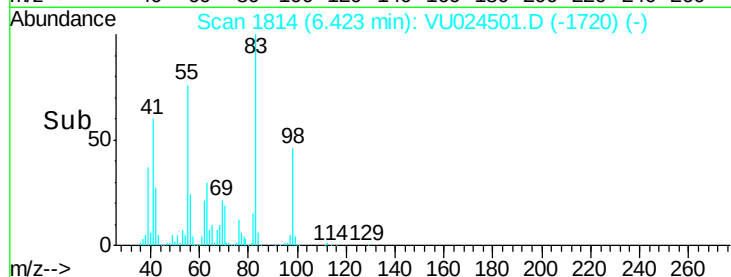
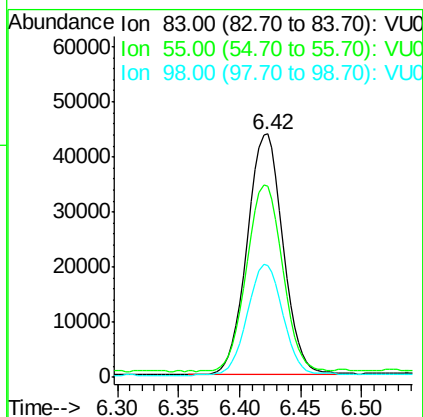
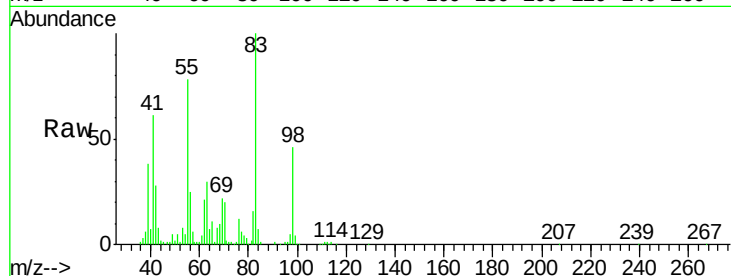




#39
Methylcyclohexane
Concen: 18.50 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

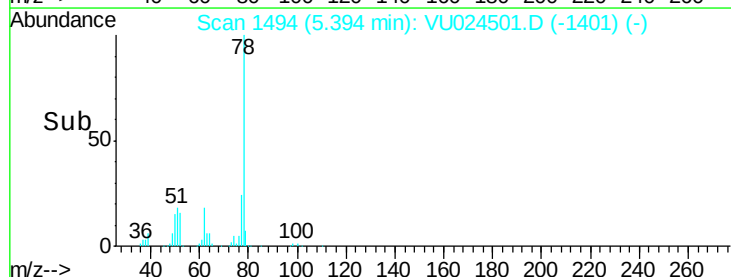
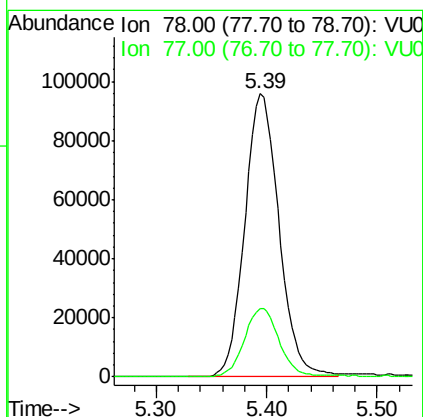
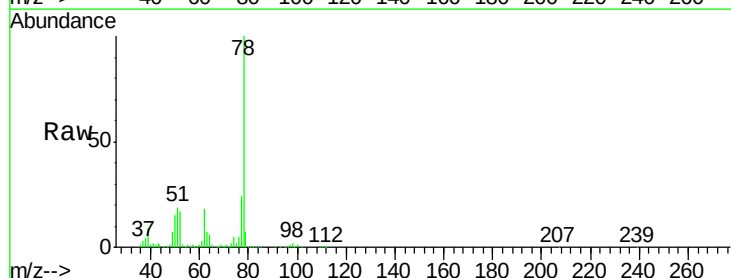
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

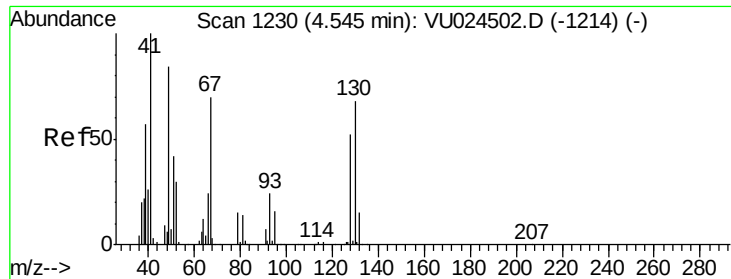
Tgt Ion: 83 Resp: 88970
Ion Ratio Lower Upper
83 100
55 76.7 65.8 98.6
98 45.6 36.7 55.1



#40
Benzene
Concen: 15.41 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 78 Resp: 206838
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

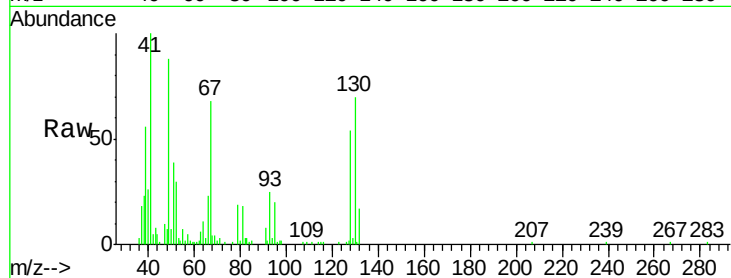




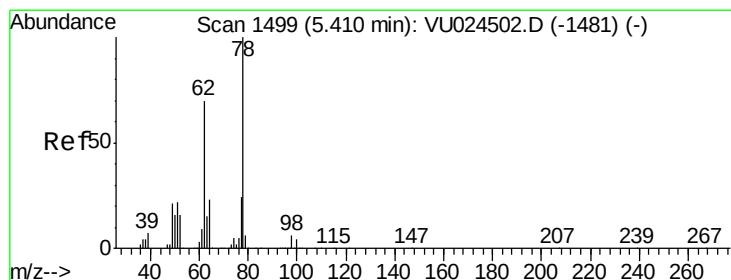
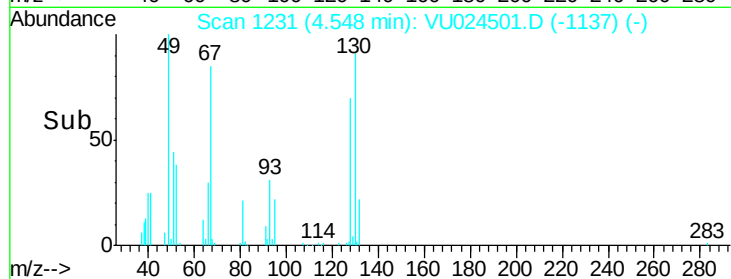
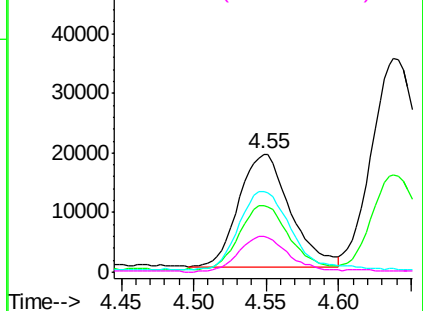
#41
Methacrylonitrile
Concen: 16.54 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	46278
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.8	65.6
67	71.7	56.3	84.5
52	31.2	23.2	34.8

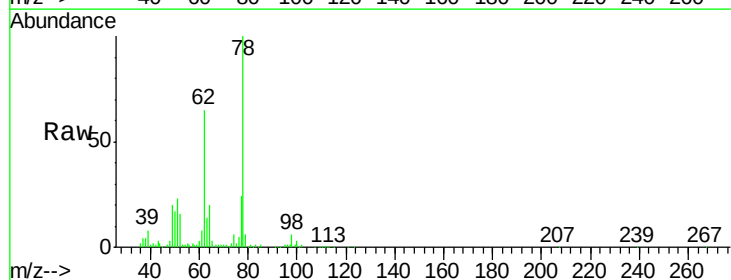


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

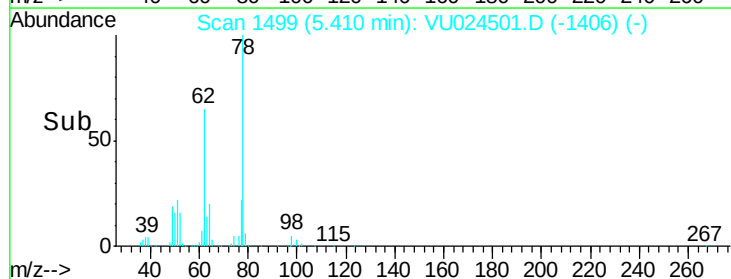
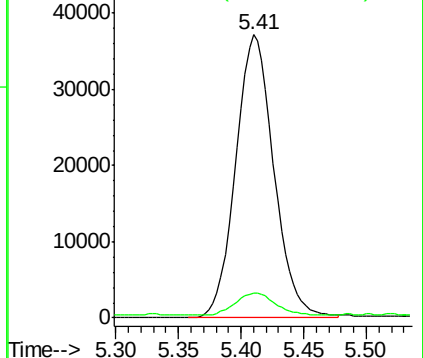


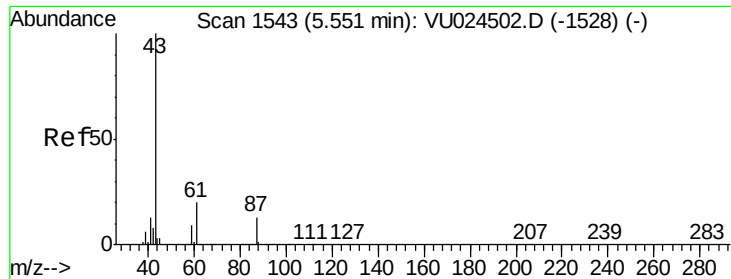
#42
1,2-Dichloroethane
Concen: 15.33 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion:	62	Resp:	78799
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 18.19 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

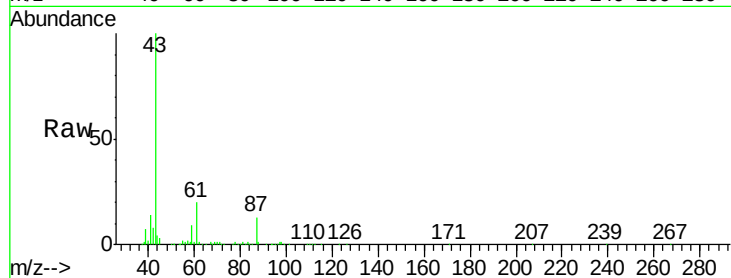
Tgt Ion: 43 Resp: 138322

Ion Ratio Lower Upper

43 100

61 20.2 15.4 23.0

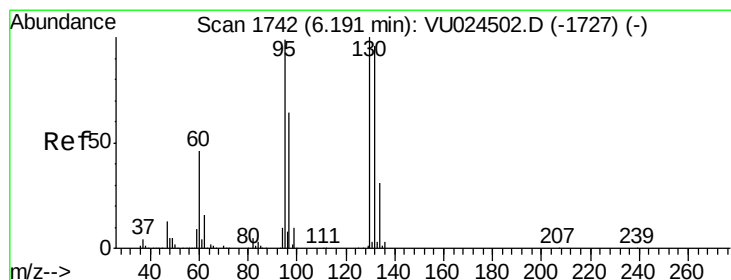
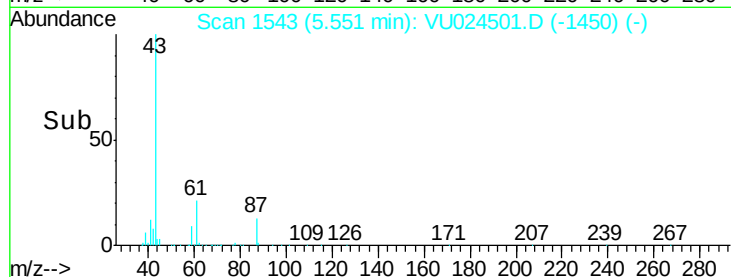
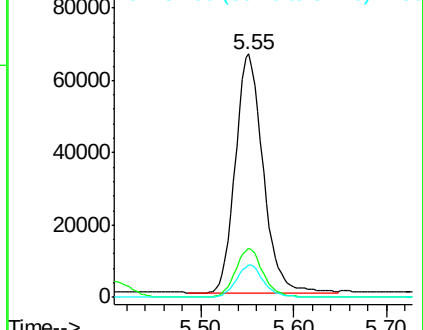
87 13.2 10.0 15.0



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: 16.54 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024501.D

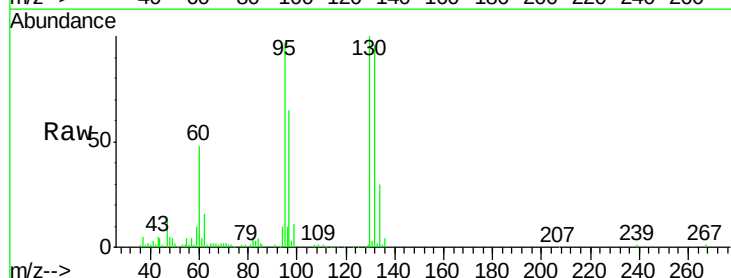
Acq: 13 Jun 2018 12:19

Tgt Ion: 130 Resp: 57825

Ion Ratio Lower Upper

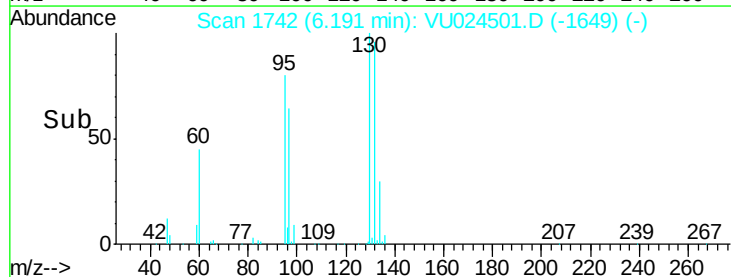
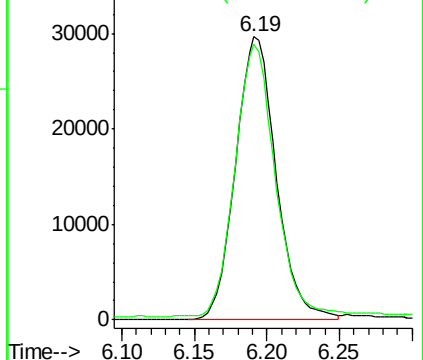
130 100

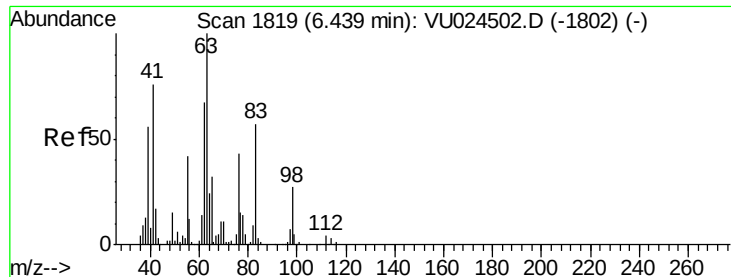
95 95.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 15.45 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

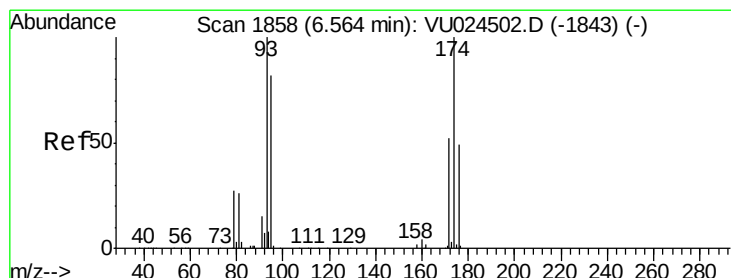
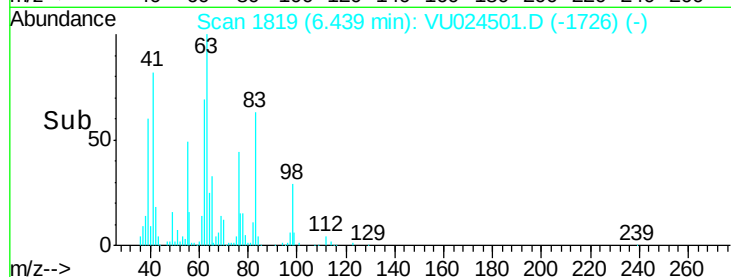
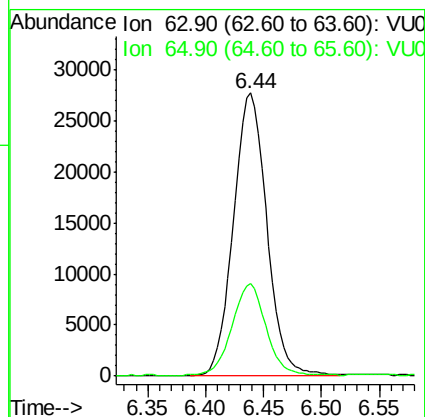
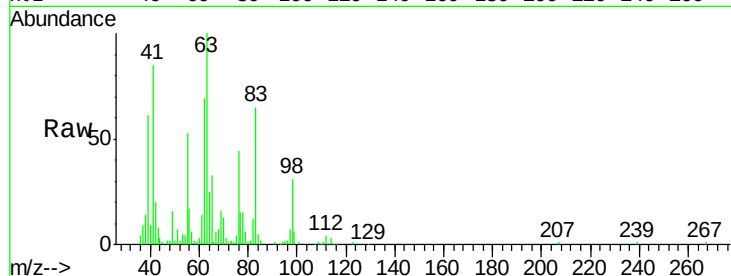
VSTDIC020

Tgt Ion: 63 Resp: 55715

Ion Ratio Lower Upper

63 100

65 32.7 24.8 37.2



#46

Dibromomethane

Concen: 16.34 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

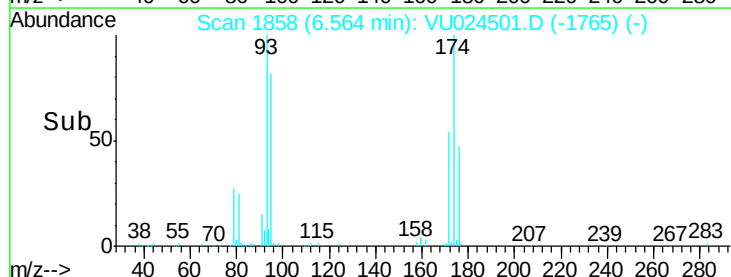
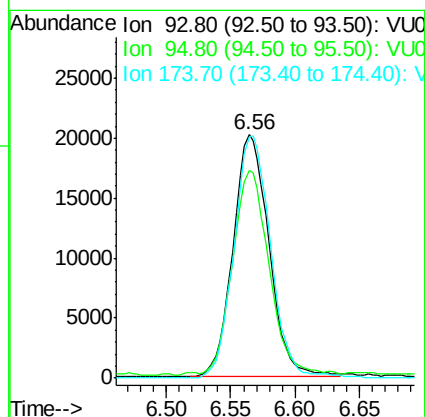
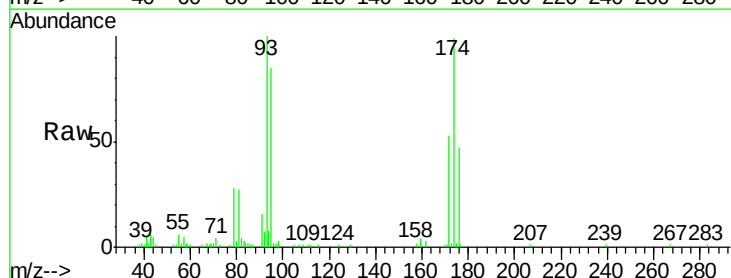
Tgt Ion: 93 Resp: 39006

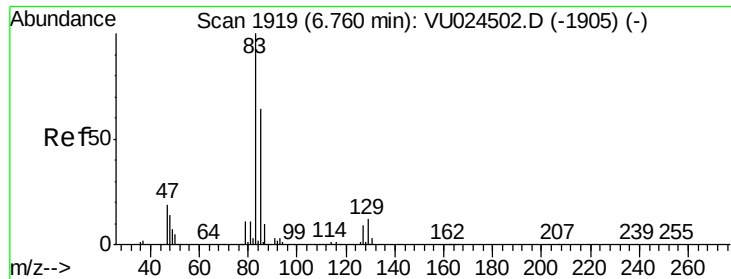
Ion Ratio Lower Upper

93 100

95 84.0 65.5 98.3

174 102.5 78.7 118.1





#47

Bromodichloromethane

Concen: 16.67 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

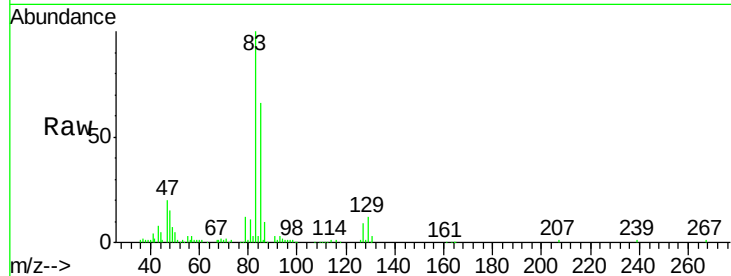
Tgt Ion: 83 Resp: 76999

Ion Ratio Lower Upper

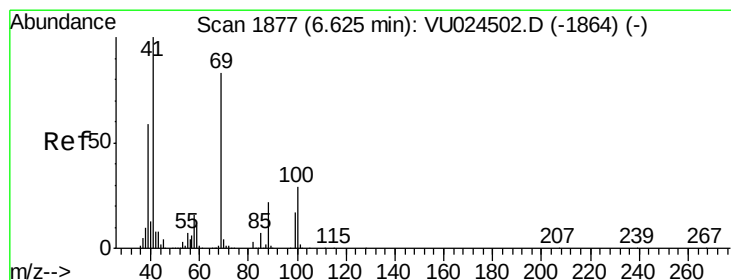
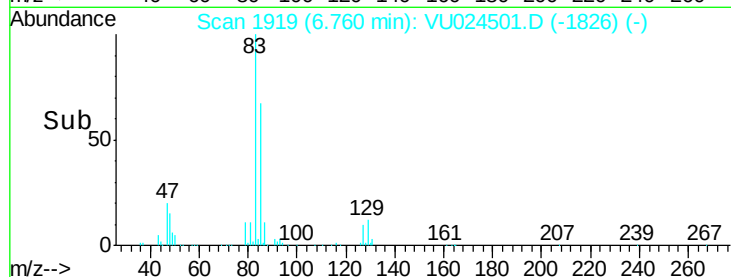
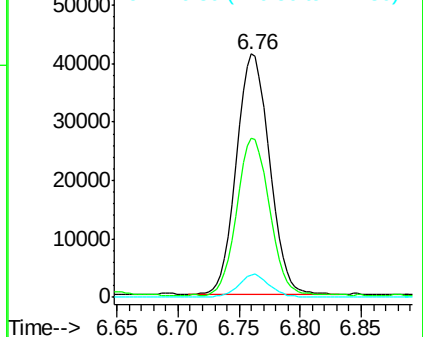
83 100

85 65.6 51.9 77.9

127 9.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.05 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

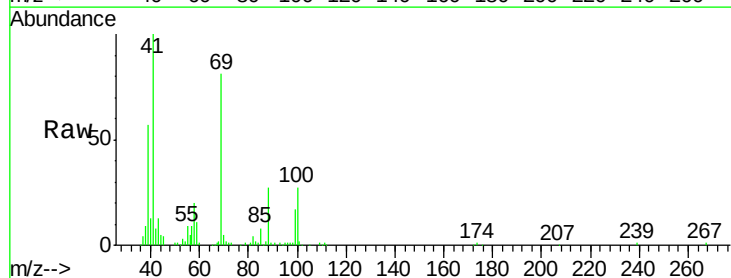
Tgt Ion: 41 Resp: 67277

Ion Ratio Lower Upper

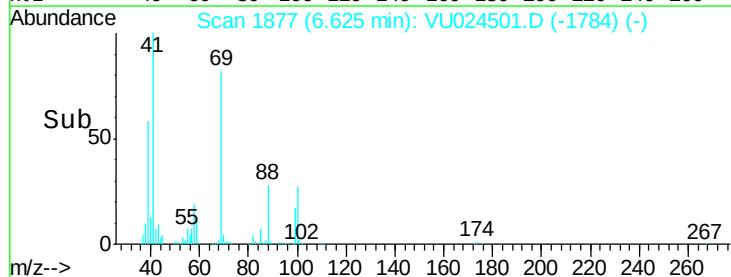
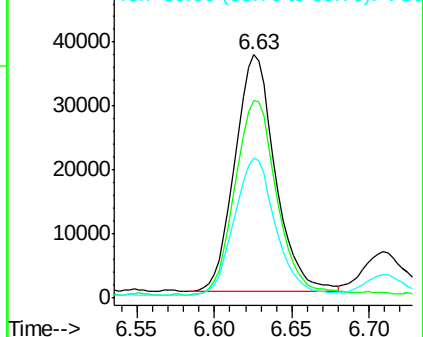
41 100

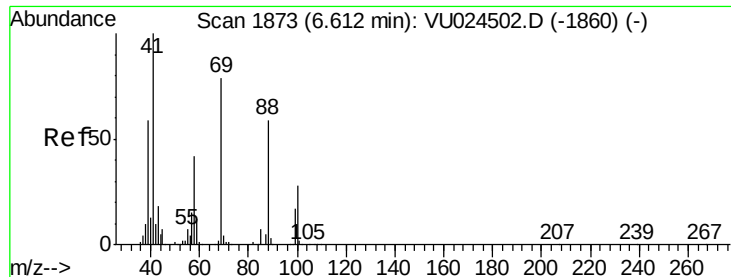
69 84.7 67.3 100.9

39 59.6 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

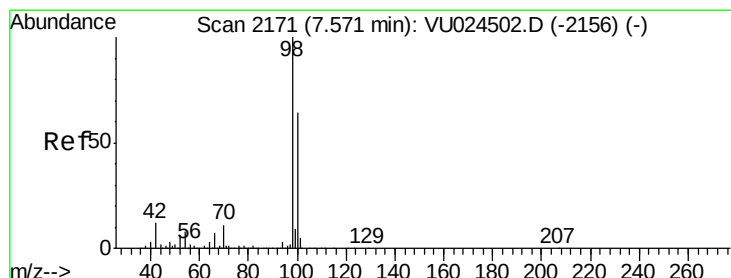
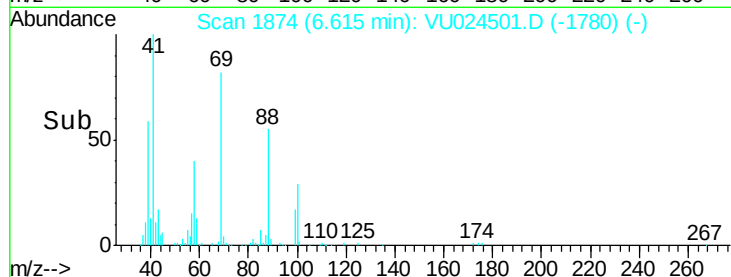
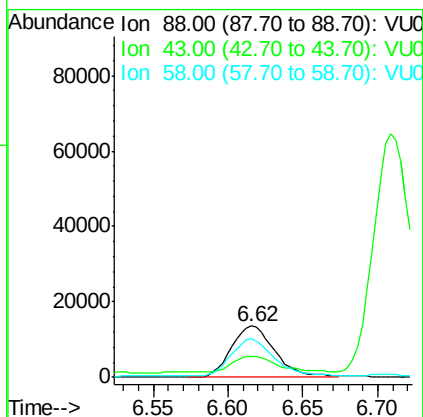
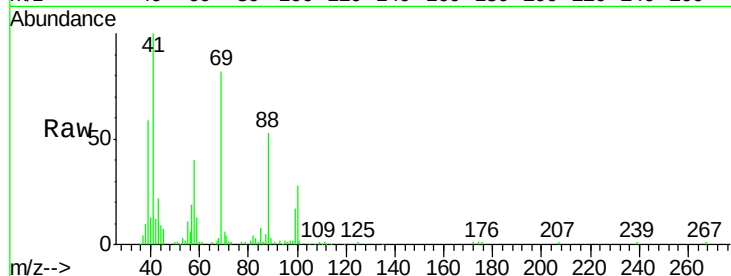




#49
1,4-Dioxane
Concen: 352.64 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

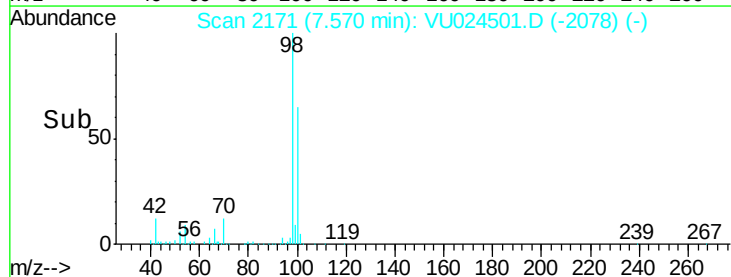
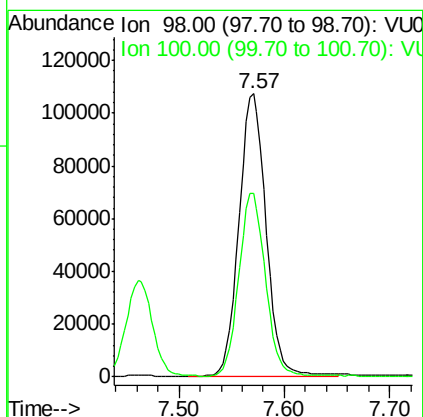
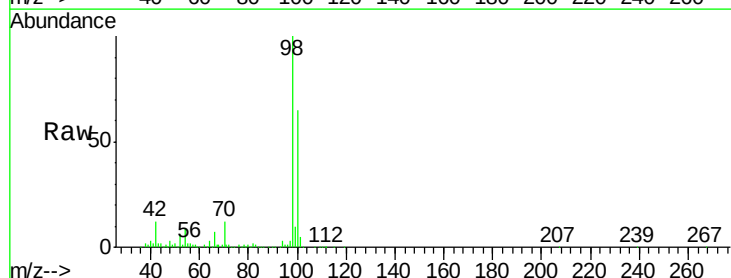
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

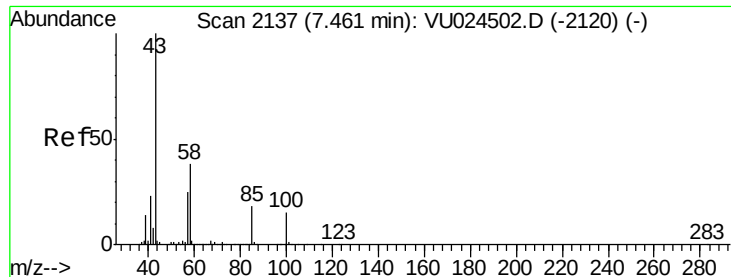
Tgt Ion: 88 Resp: 27728
Ion Ratio Lower Upper
88 100
43 32.1 28.6 42.8
58 71.5 58.2 87.4



#50
Toluene-d8
Concen: 15.92 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 98 Resp: 190597
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 80.57 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

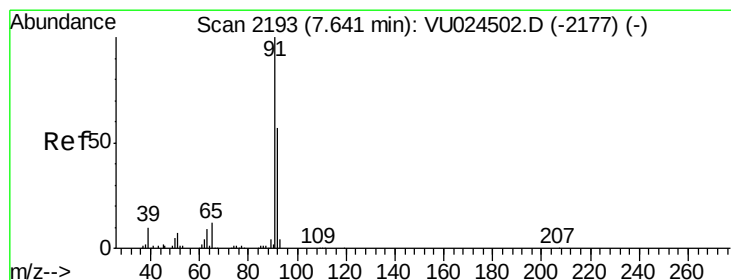
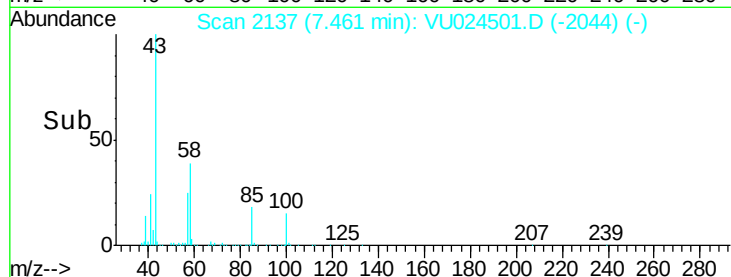
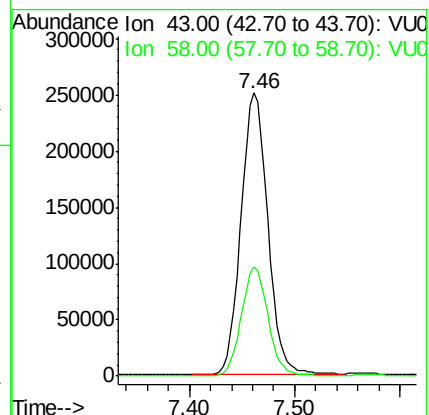
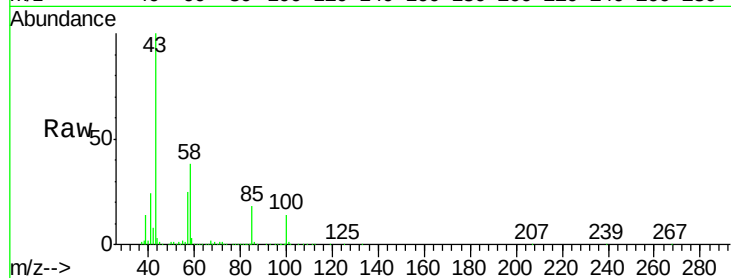
VSTDIC020

Tgt Ion: 43 Resp: 441909

Ion Ratio Lower Upper

43 100

58 38.2 30.0 45.0



#52

Toluene

Concen: 16.17 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024501.D

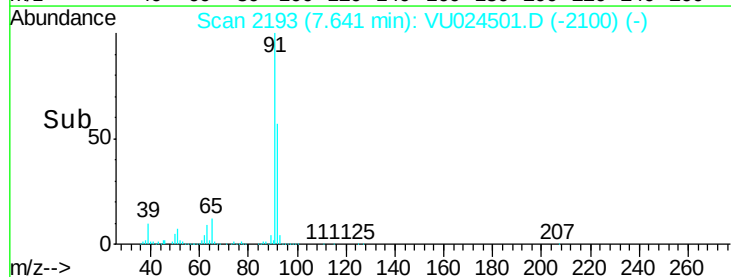
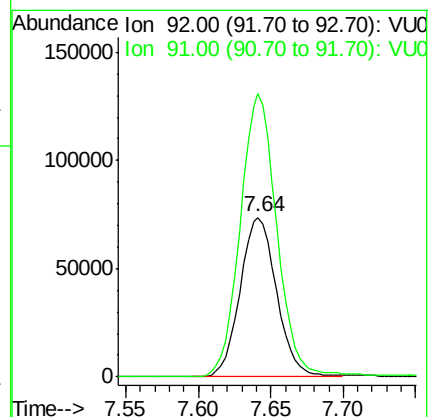
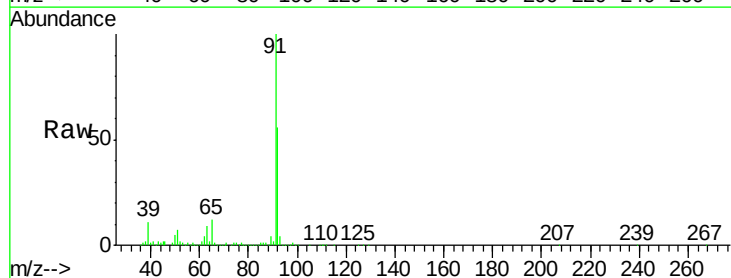
Acq: 13 Jun 2018 12:19

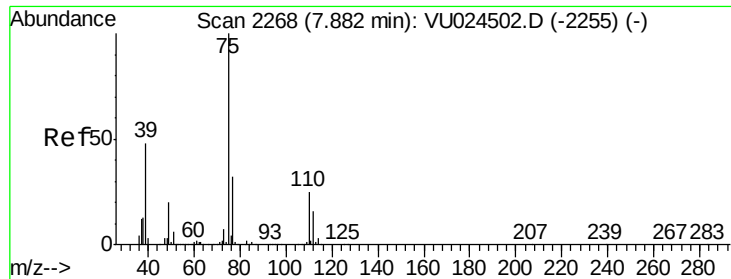
Tgt Ion: 92 Resp: 128763

Ion Ratio Lower Upper

92 100

91 178.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 17.91 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

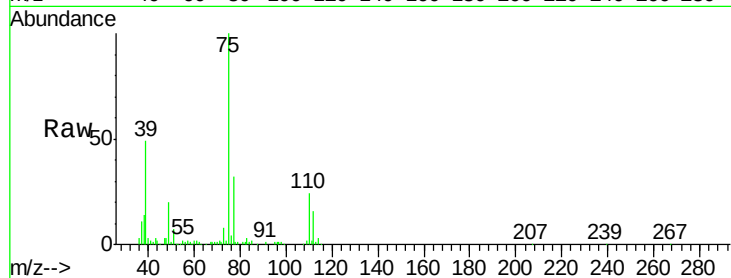
VSTDIC020

Tgt Ion: 75 Resp: 86038

Ion Ratio Lower Upper

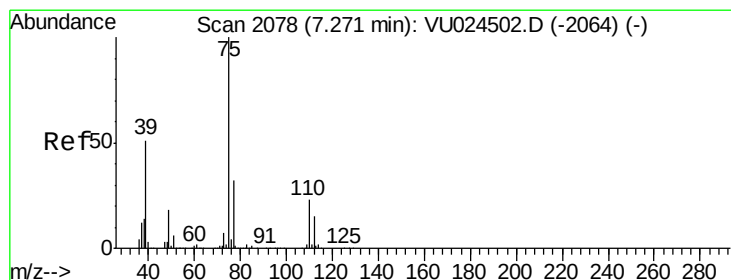
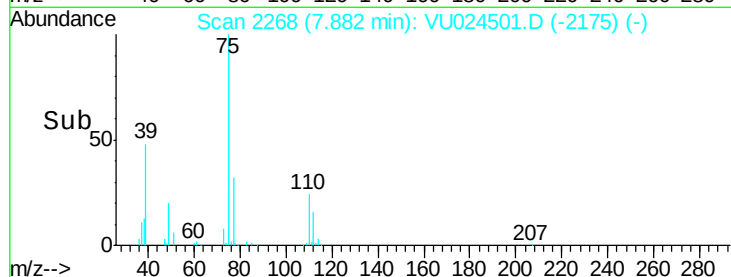
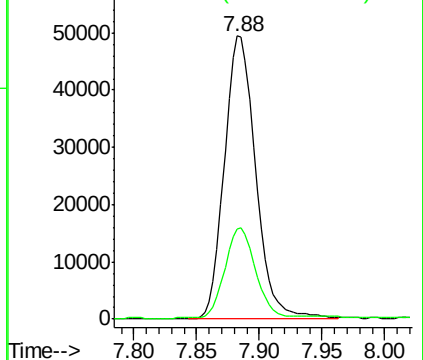
75 100

77 31.6 24.8 37.2



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: 17.22 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

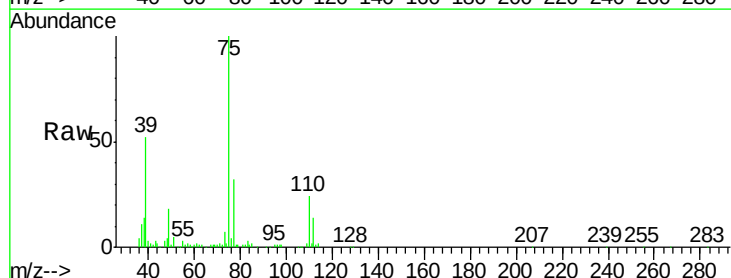
Tgt Ion: 75 Resp: 90260

Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

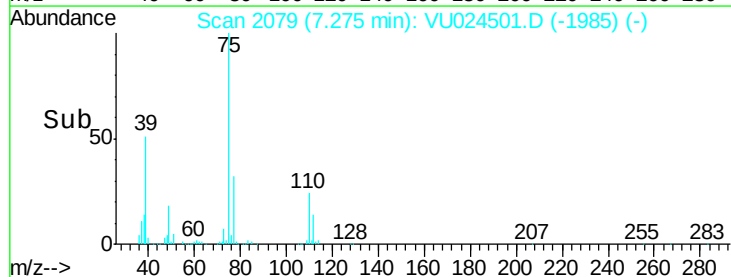
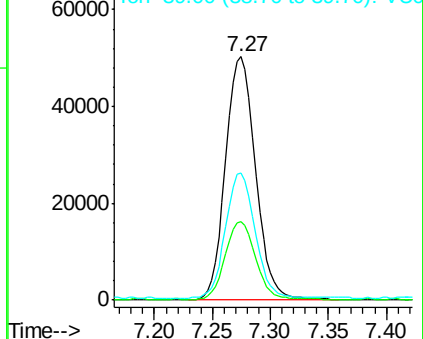
39 51.4 39.8 59.6

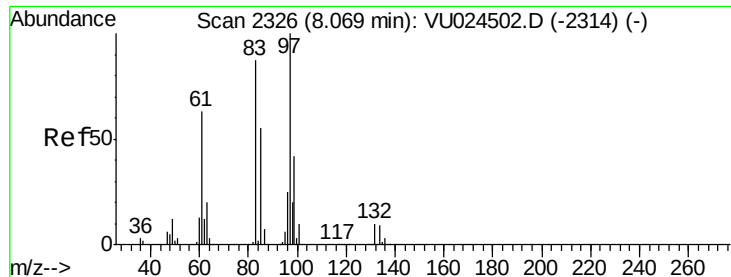


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 15.01 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 51267

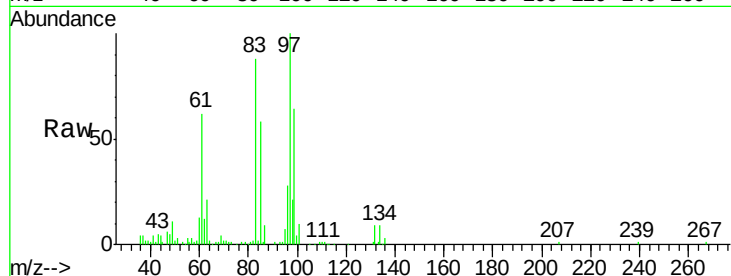
Ion Ratio Lower Upper

97 100

83 86.9 70.5 105.7

85 56.5 46.4 69.6

99 63.9 50.2 75.2

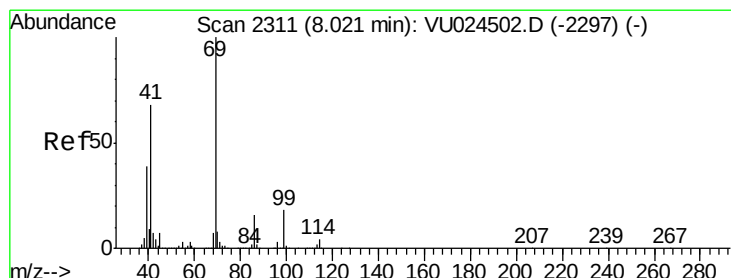
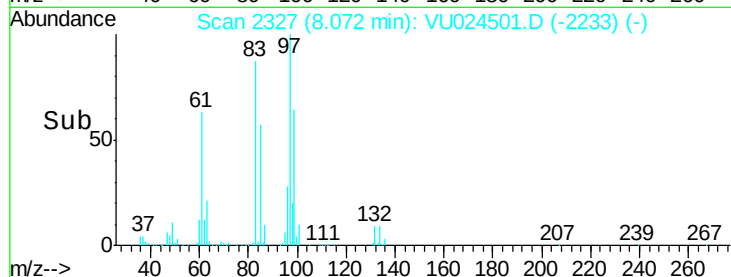
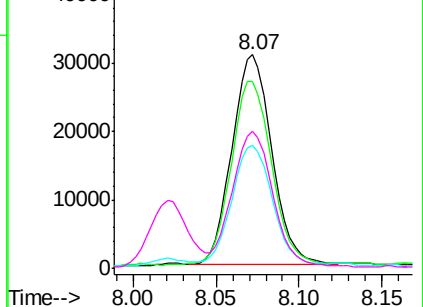


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 20.51 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

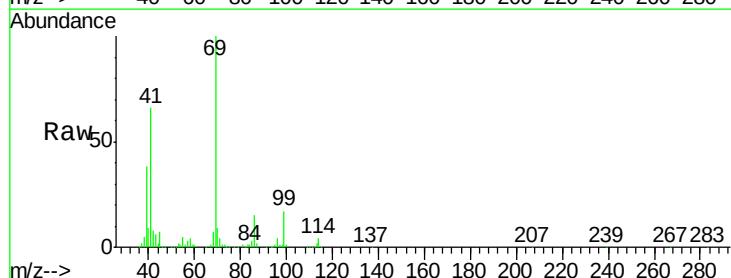
Tgt Ion: 69 Resp: 91343

Ion Ratio Lower Upper

69 100

41 65.7 54.1 81.1

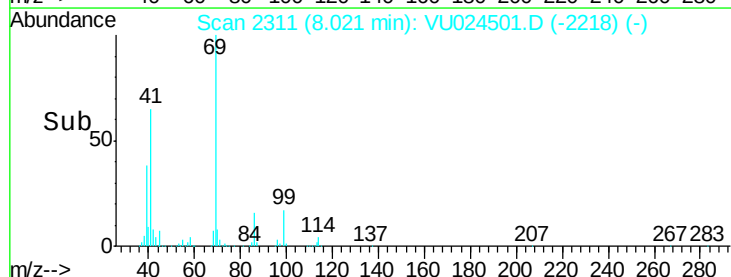
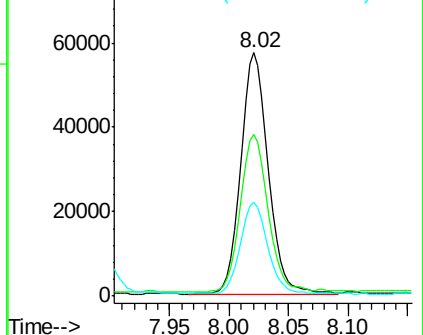
39 37.4 30.3 45.5

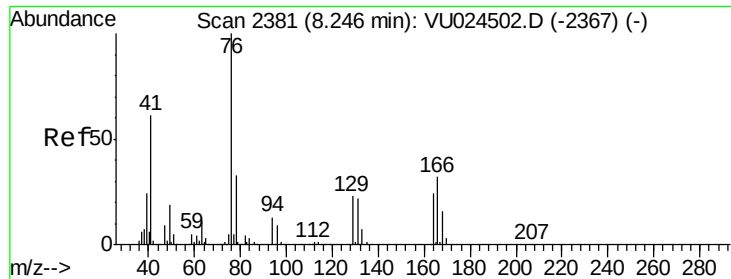


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

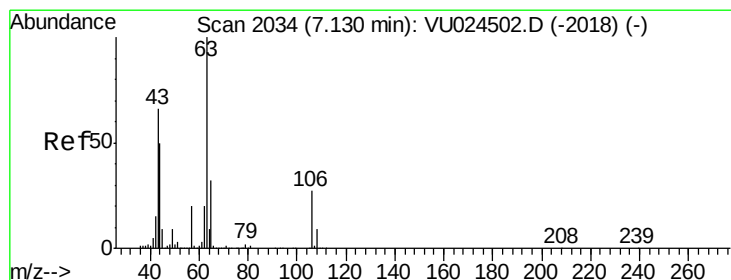
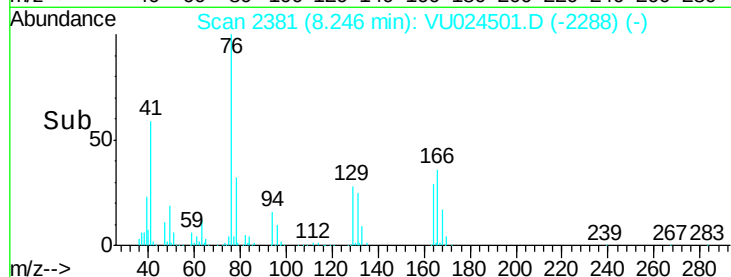
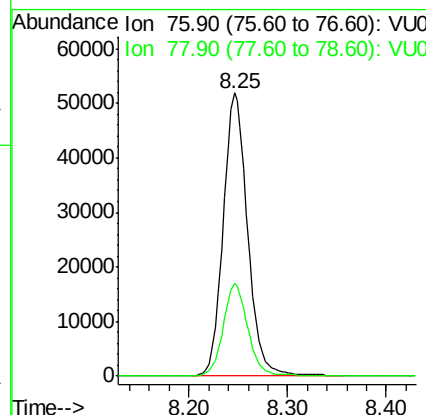
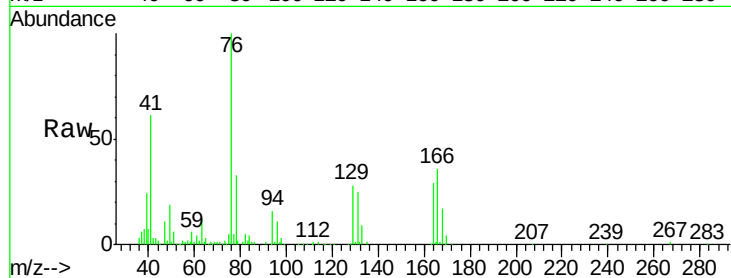




#57
 1,3-Dichloropropane
 Concen: 15.36 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

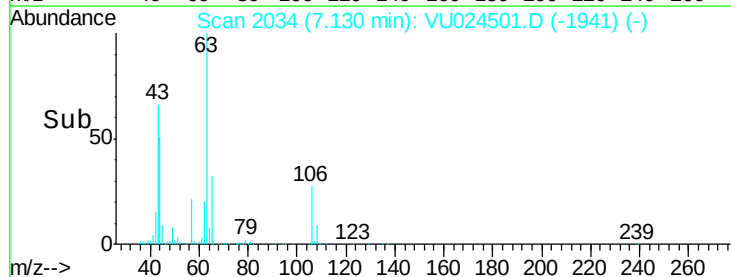
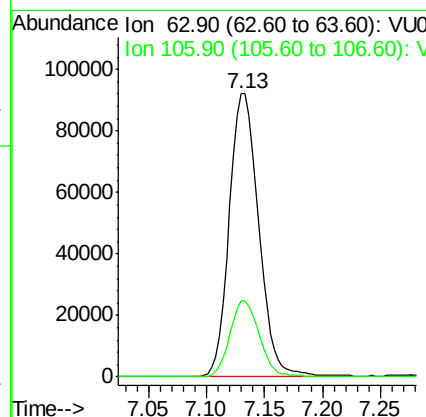
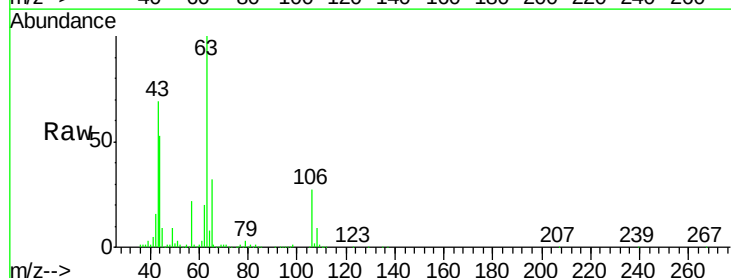
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

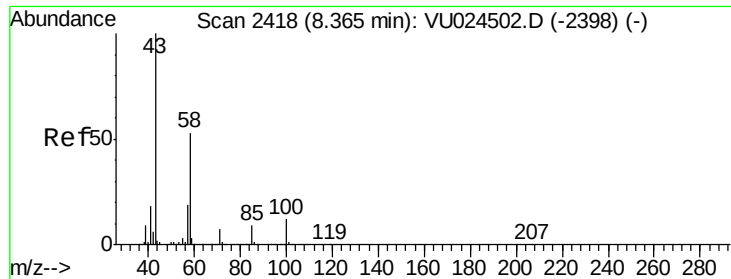
Tgt Ion: 76 Resp: 90111
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 71.30 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 63 Resp: 163279
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.2 30.2

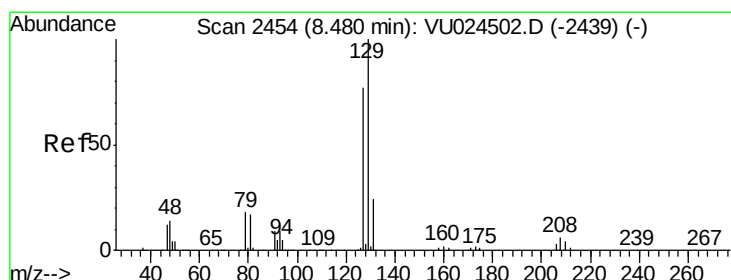
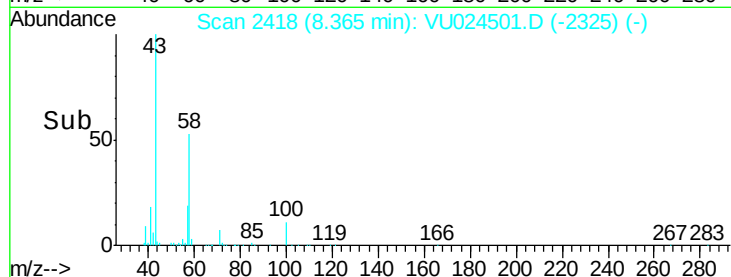
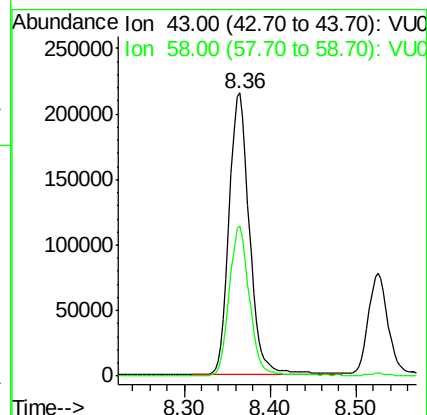
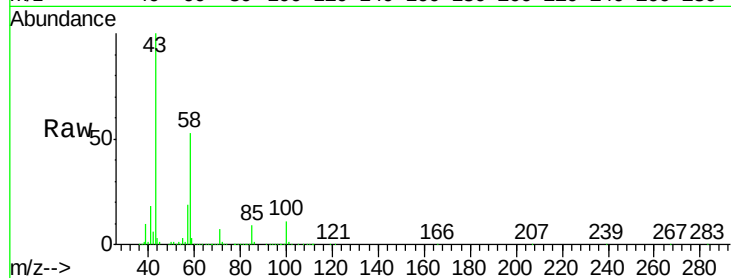




#59
2-Hexanone
Concen: 81.41 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

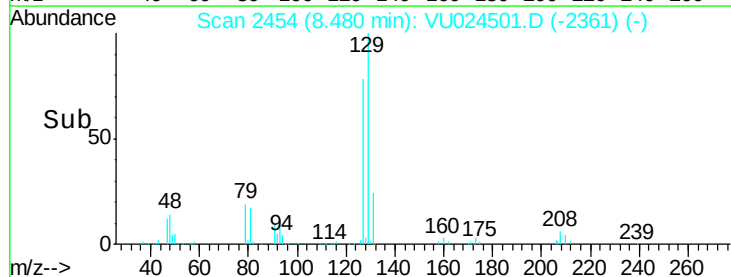
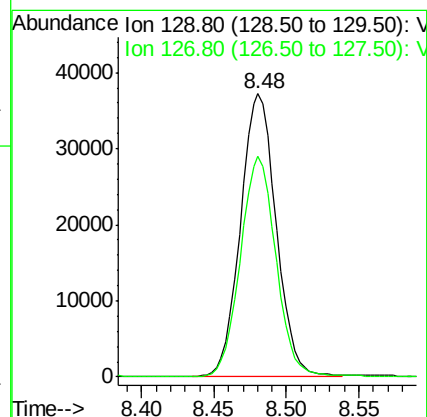
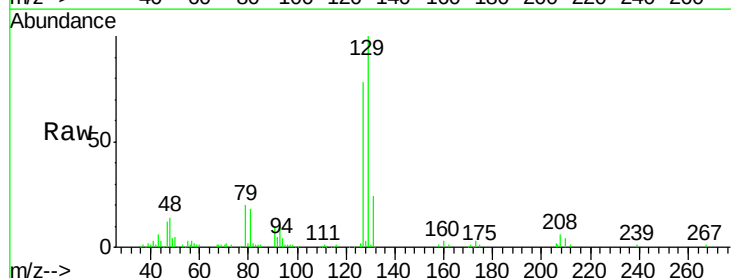
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

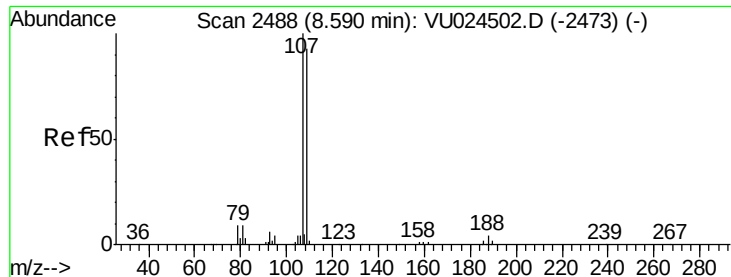
Tgt Ion: 43 Resp: 357269
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0



#60
Dibromochloromethane
Concen: 18.20 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 129 Resp: 63104
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 16.11 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

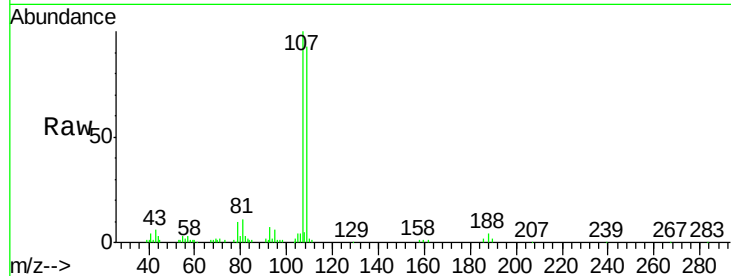
VSTDIC020

Tgt Ion: 107 Resp: 57555

Ion Ratio Lower Upper

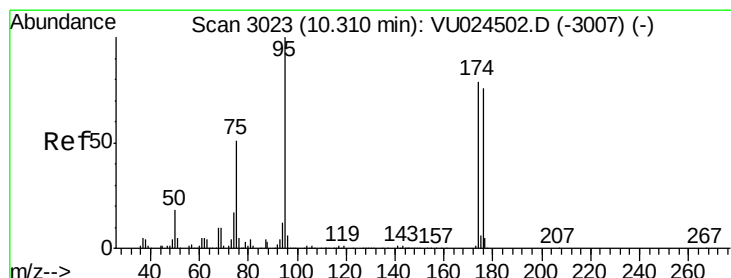
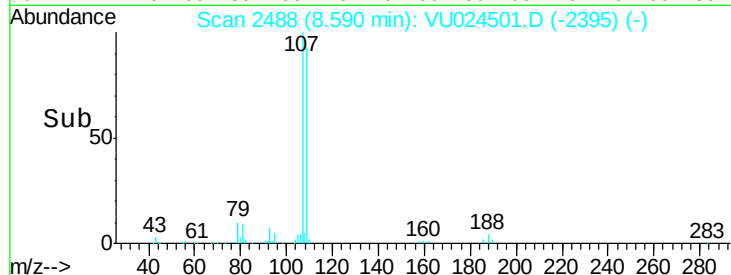
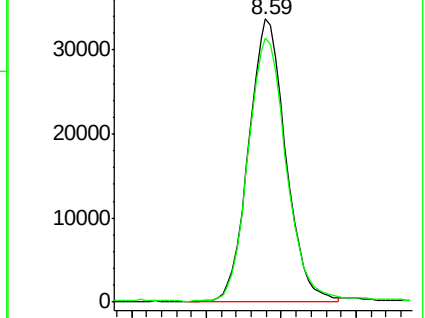
107 100

109 96.4 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: 16.85 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

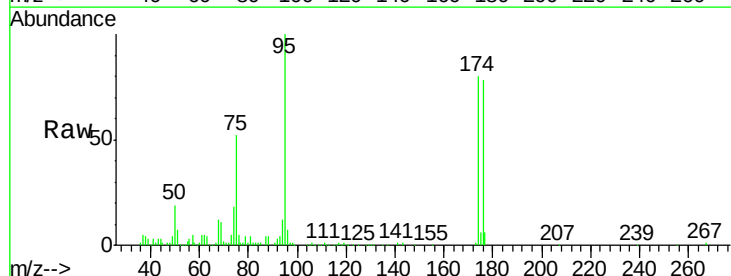
Tgt Ion: 95 Resp: 73533

Ion Ratio Lower Upper

95 100

174 81.5 0.0 165.8

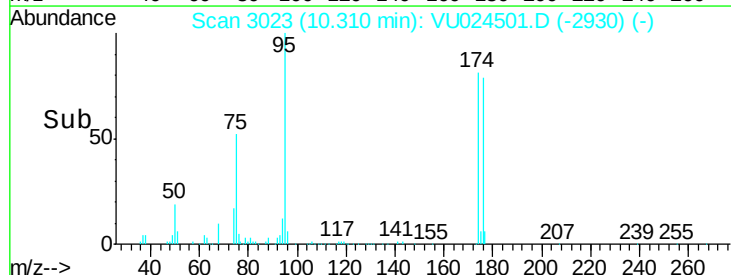
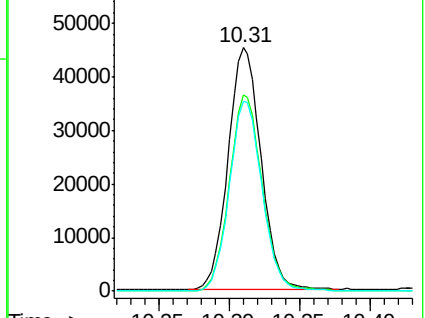
176 78.6 0.0 159.4

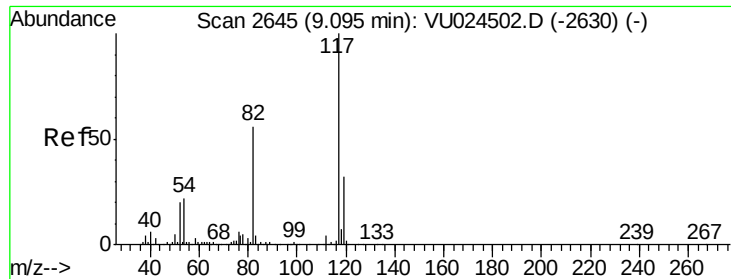


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

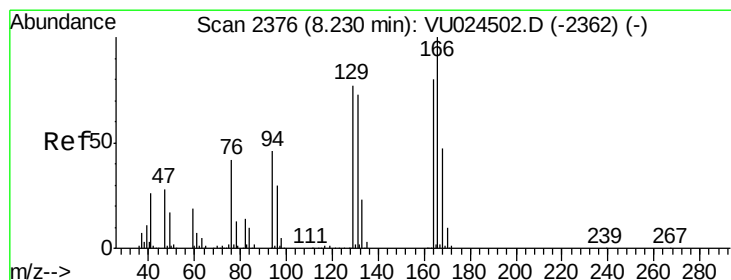
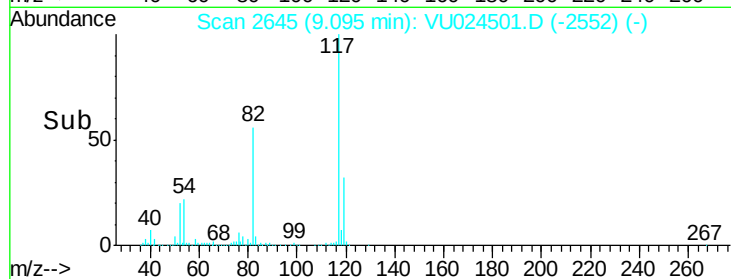
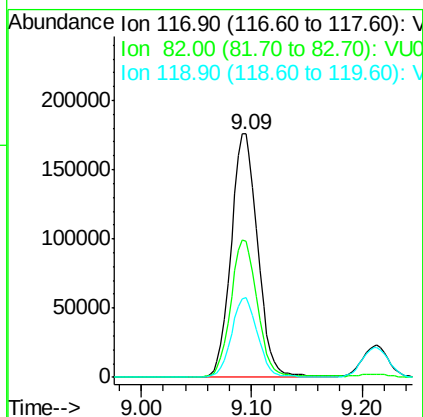
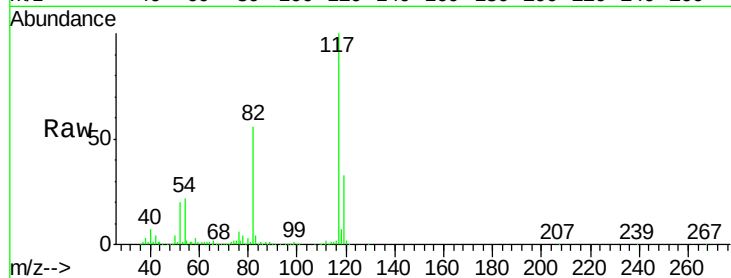




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

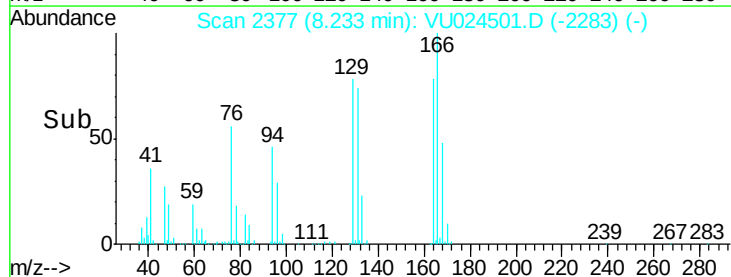
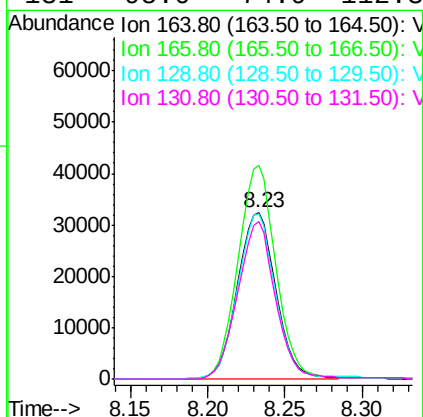
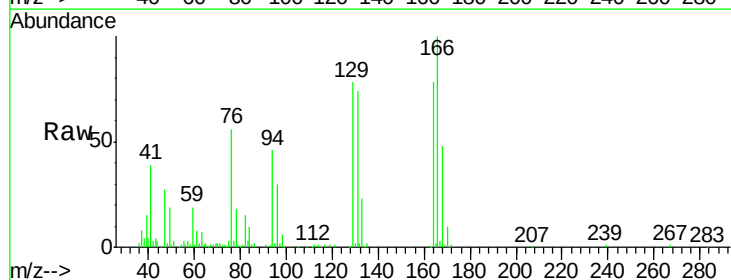
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

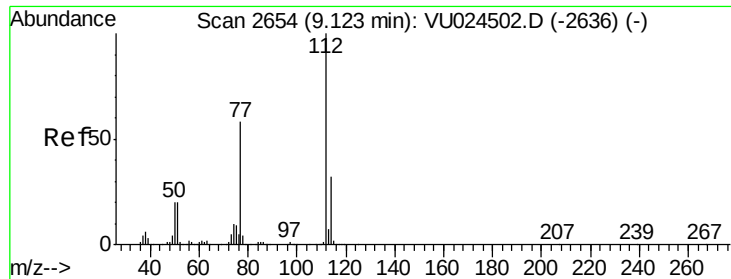
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	32.5	25.4	38.2



#64
Tetrachloroethene
Concen: 19.01 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.7	152.5
129	99.6	76.9	115.3
131	95.0	74.9	112.3

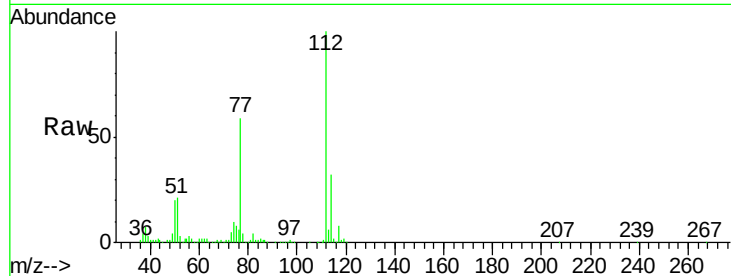




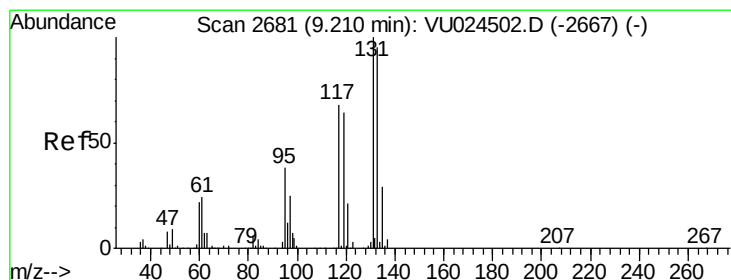
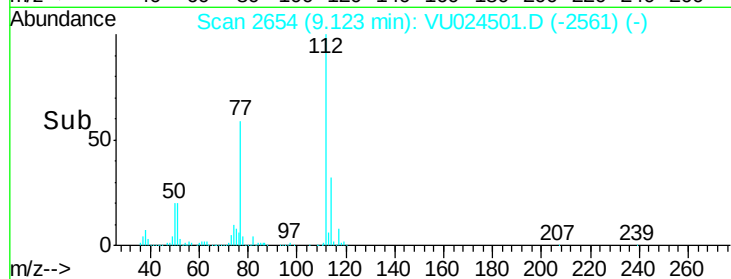
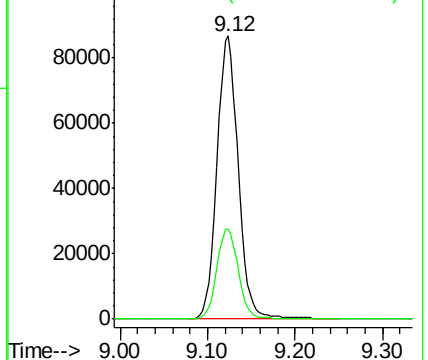
#65
Chlorobenzene
Concen: 17.00 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 145897
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

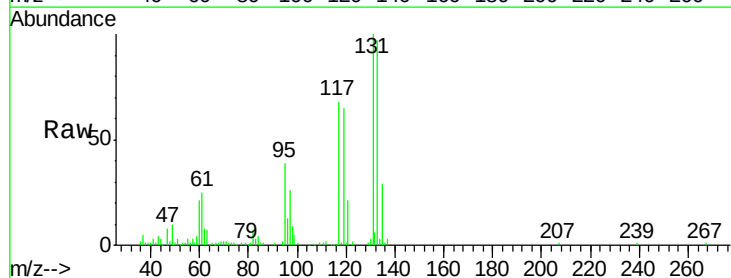


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

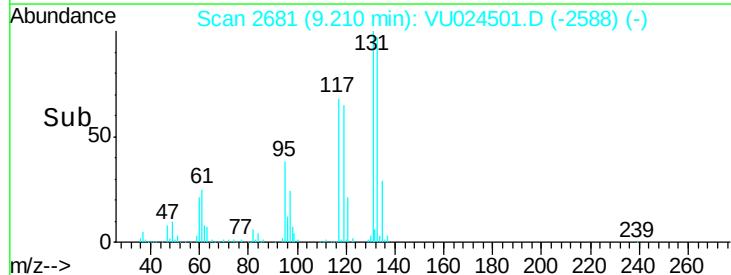
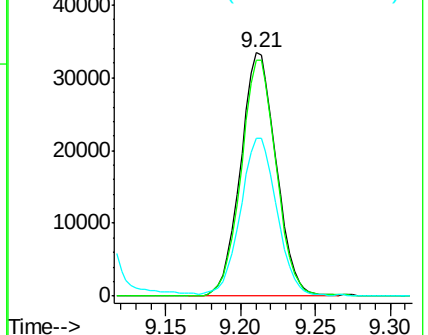


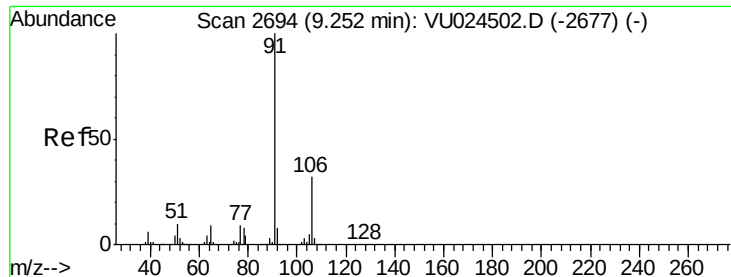
#66
1,1,1,2-Tetrachloroethane
Concen: 18.85 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion:131 Resp: 55533
Ion Ratio Lower Upper
131 100
133 95.6 46.9 140.8
119 65.4 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.76 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

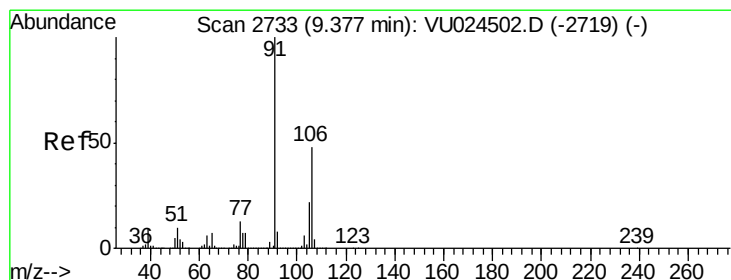
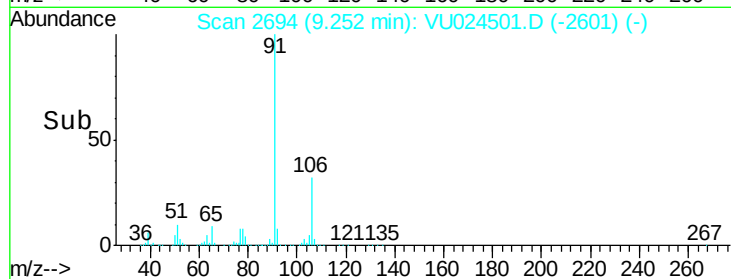
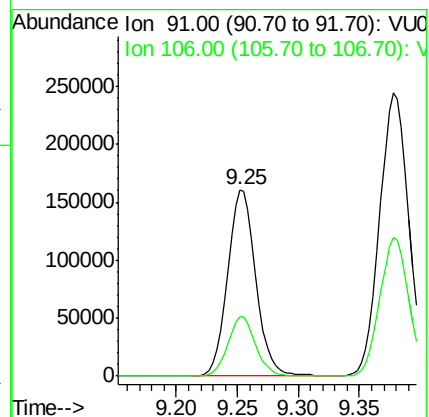
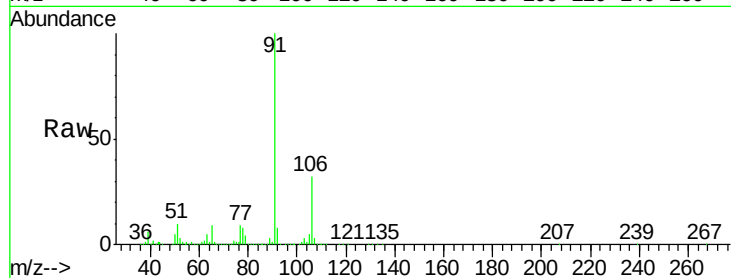
VSTDIC020

Tgt Ion: 91 Resp: 259683

Ion Ratio Lower Upper

91 100

106 32.1 24.2 36.4



#68

m/p-Xylenes

Concen: 37.58 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024501.D

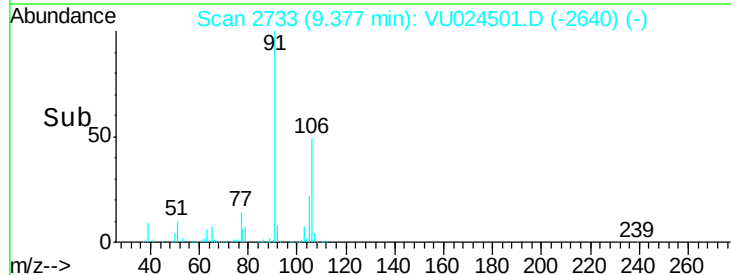
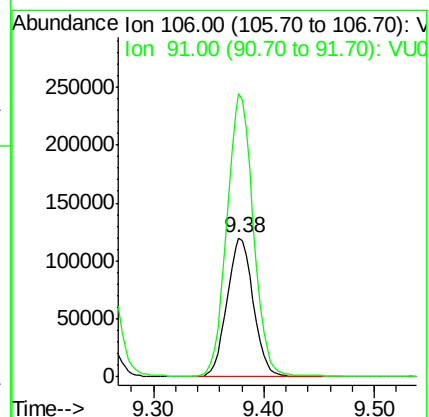
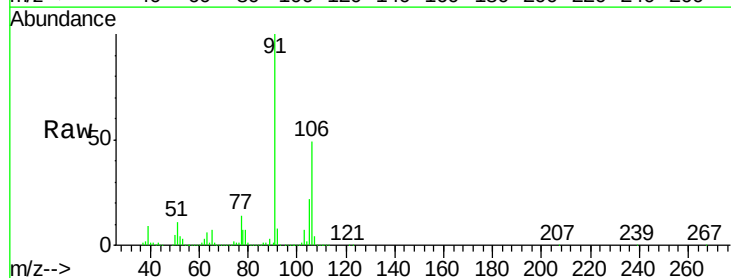
Acq: 13 Jun 2018 12:19

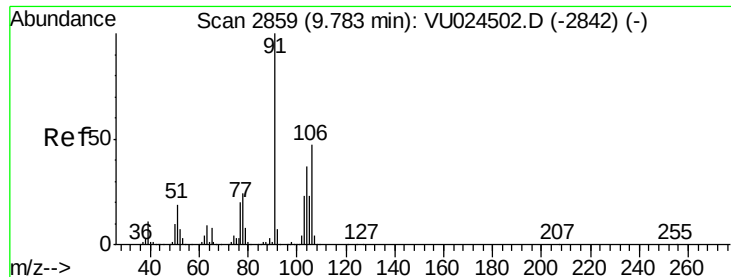
Tgt Ion: 106 Resp: 198140

Ion Ratio Lower Upper

106 100

91 204.4 166.5 249.7

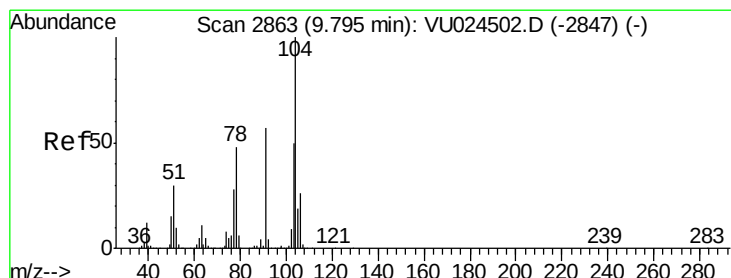
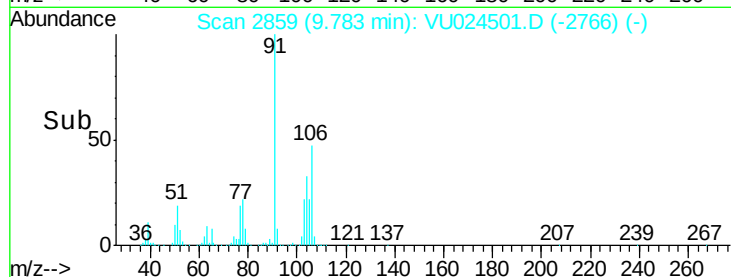
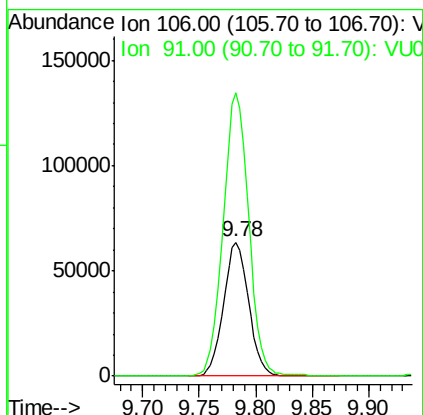
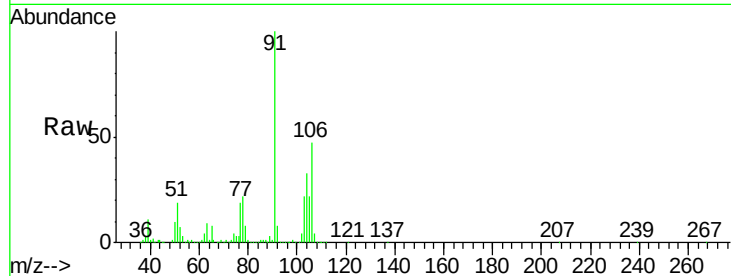




#69
o-Xylene
Concen: 20.30 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

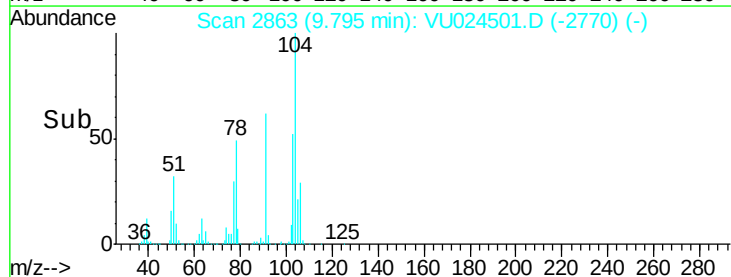
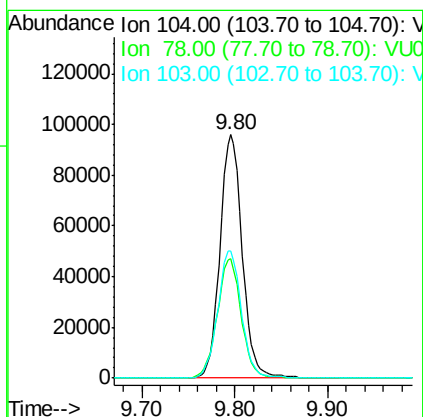
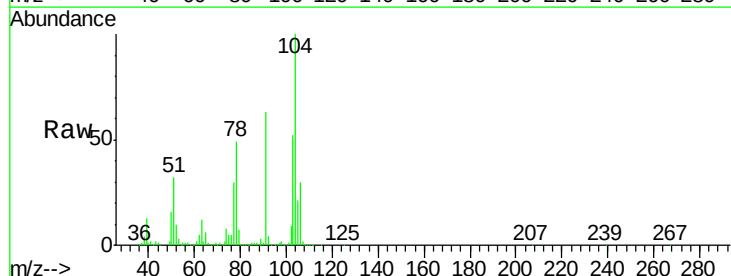
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

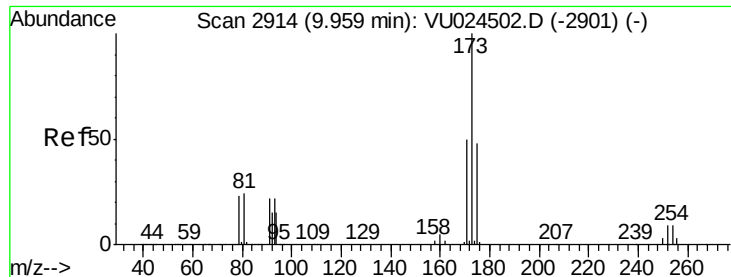
Tgt Ion:106 Resp: 98668
Ion Ratio Lower Upper
106 100
91 214.2 110.7 331.9



#70
Styrene
Concen: 19.32 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion:104 Resp: 159899
Ion Ratio Lower Upper
104 100
78 53.2 40.6 60.8
103 55.6 44.7 67.1





#71

Bromoform

Concen: 20.41 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

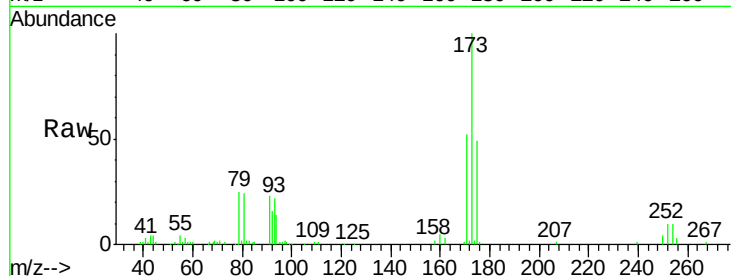
Tgt Ion:173 Resp: 51919

Ion Ratio Lower Upper

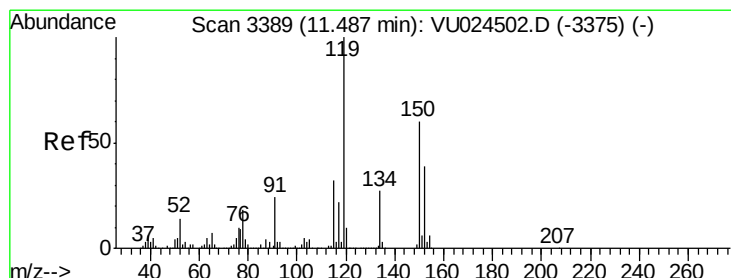
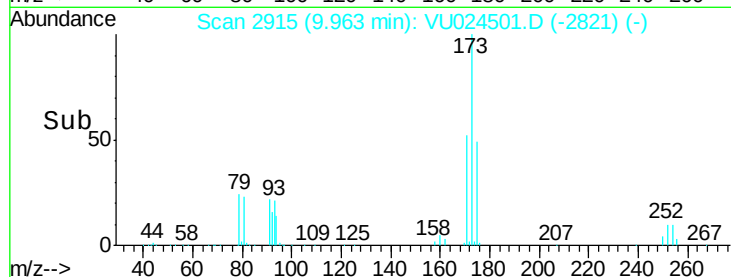
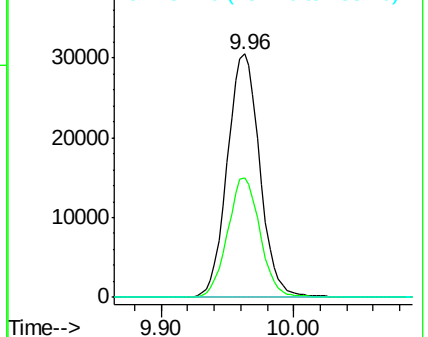
173 100

175 49.0 24.6 74.0

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

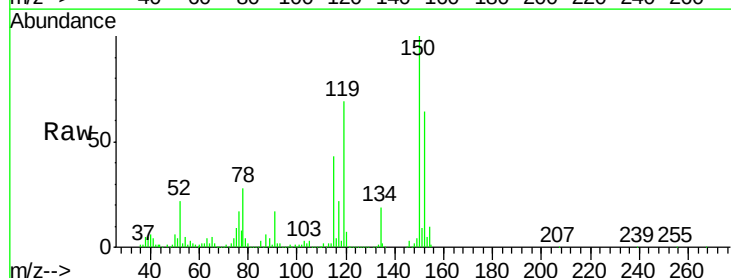
Tgt Ion:152 Resp: 169294

Ion Ratio Lower Upper

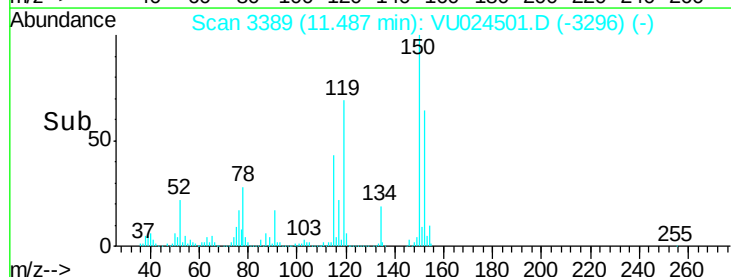
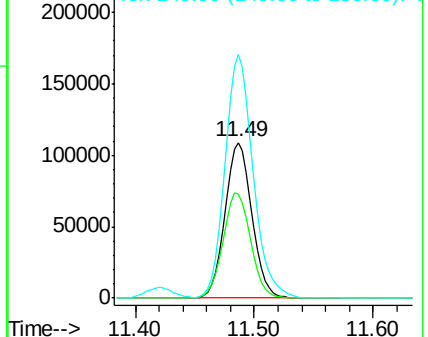
152 100

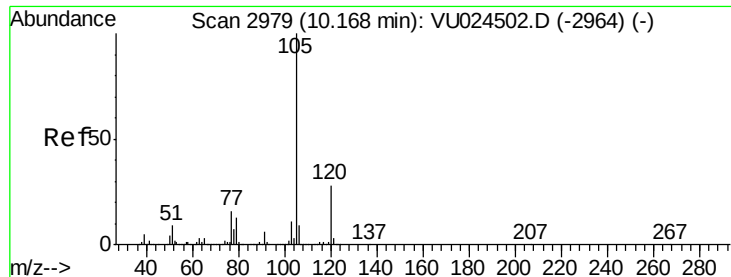
115 69.9 43.0 129.0

150 163.9 0.0 354.0



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: 22.71 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

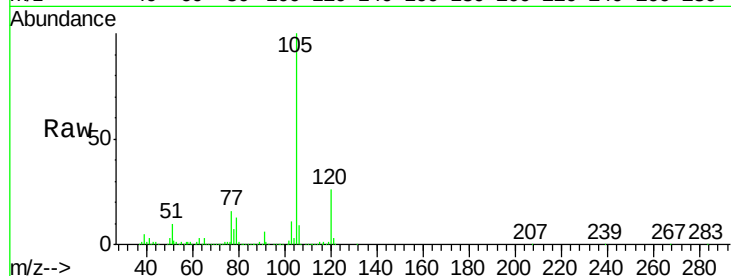
VSTDIC020

Tgt Ion:105 Resp: 264998

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

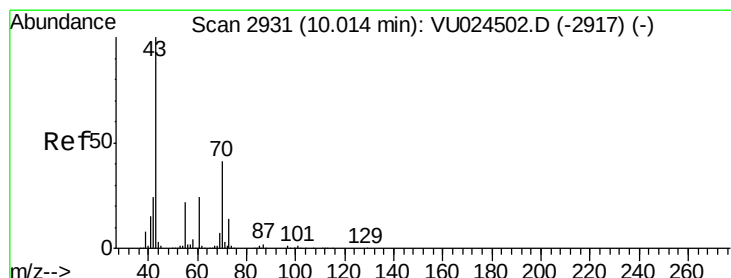
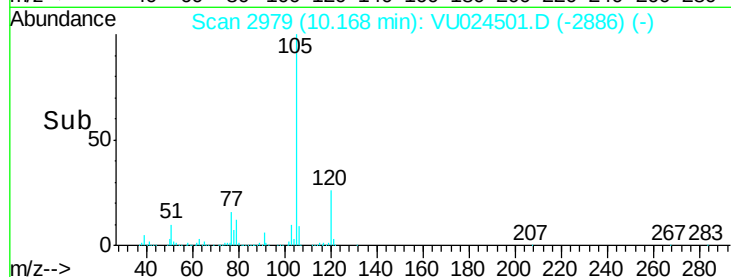
100000

50000

0

10.10 10.20

Time-->



#74

N-ethyl acetate

Concen: 23.21 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Tgt Ion: 43 Resp: 122600

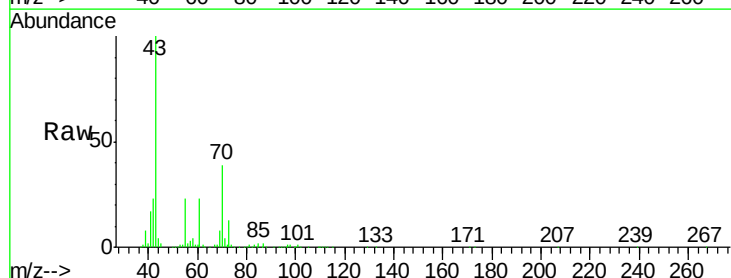
Ion Ratio Lower Upper

43 100

70 39.7 32.2 48.4

55 22.4 20.5 30.7

61 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

120000

100000

80000

60000

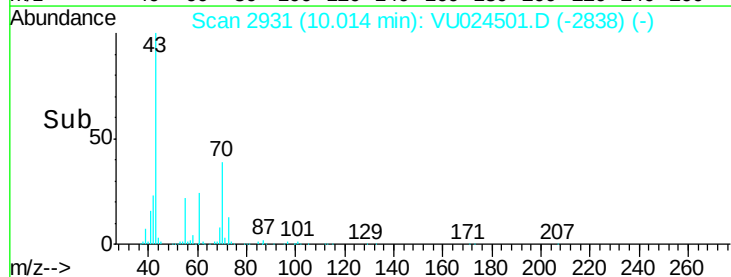
40000

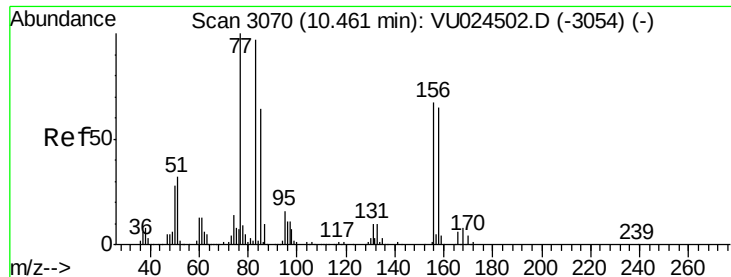
20000

0

10.00 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.12 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

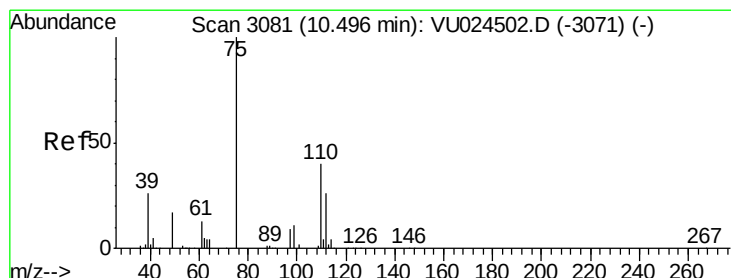
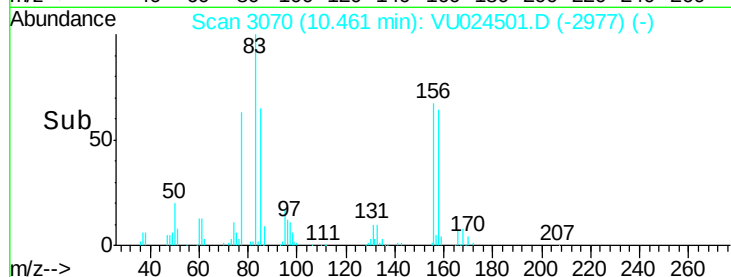
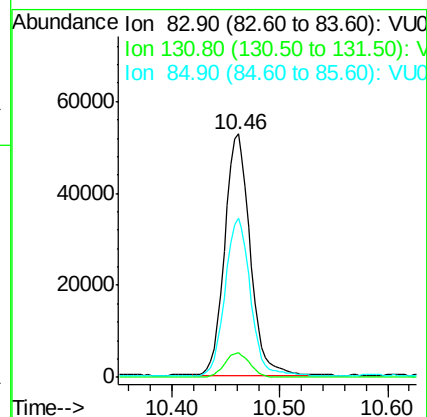
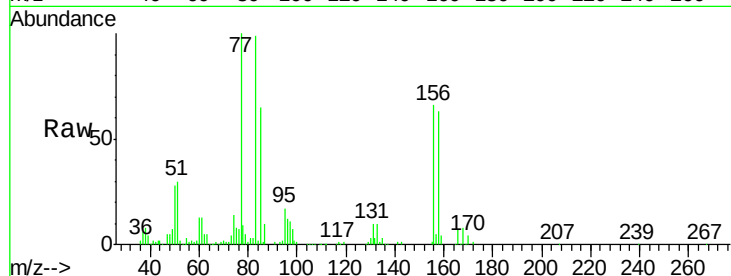
Tgt Ion: 83 Resp: 86657

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

85 65.2 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 30.98 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024501.D

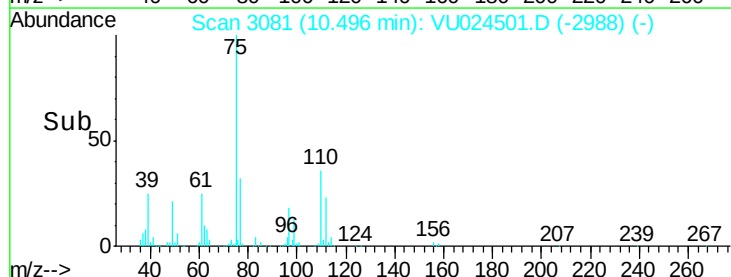
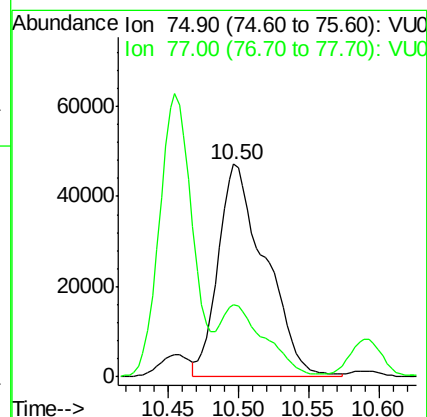
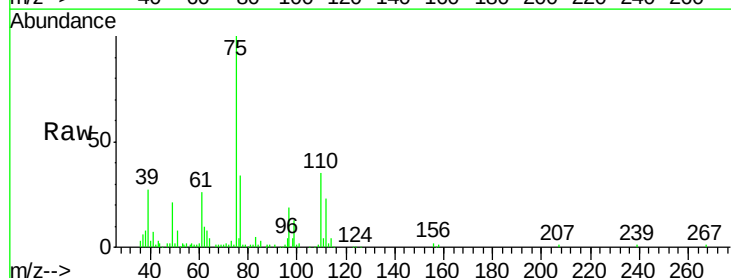
Acq: 13 Jun 2018 12:19

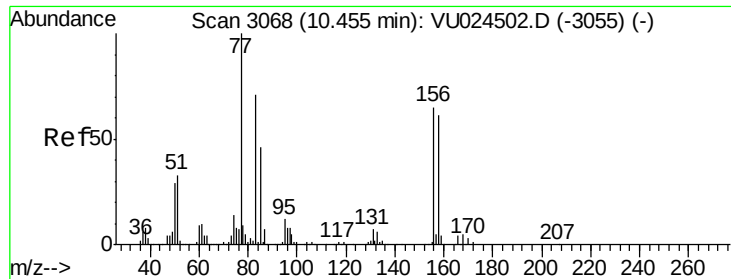
Tgt Ion: 75 Resp: 109996

Ion Ratio Lower Upper

75 100

77 30.7 20.9 62.7





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

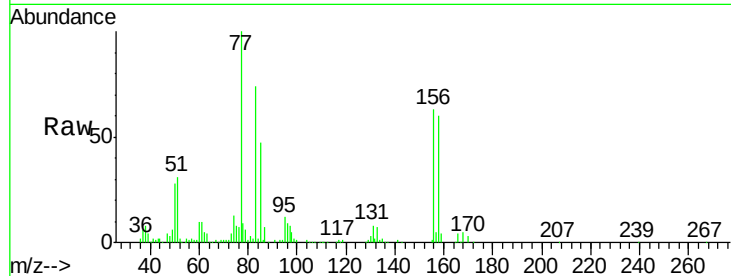
Tgt Ion:156 Resp: 65061

Ion Ratio Lower Upper

156 100

77 158.0 80.5 241.3

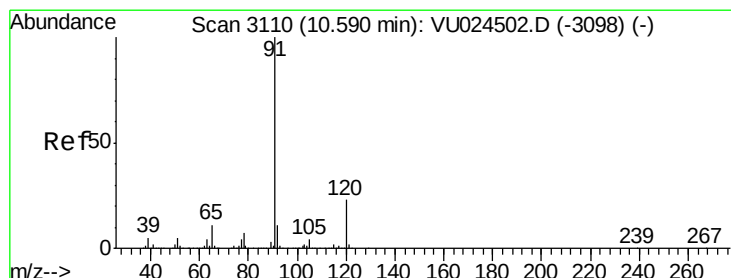
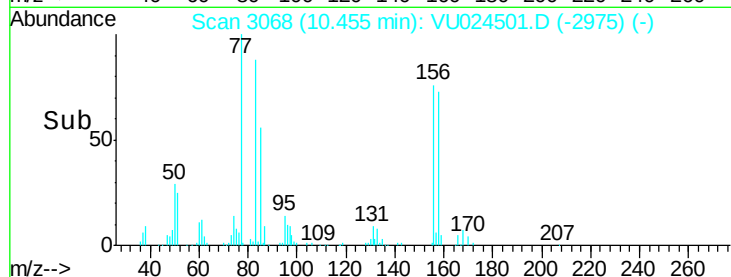
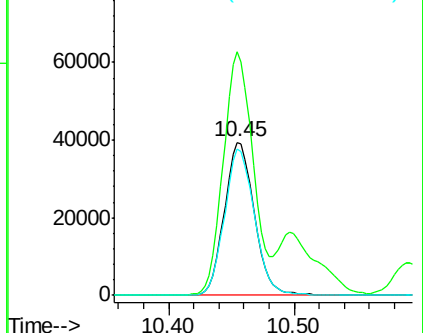
158 96.4 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.59 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024501.D

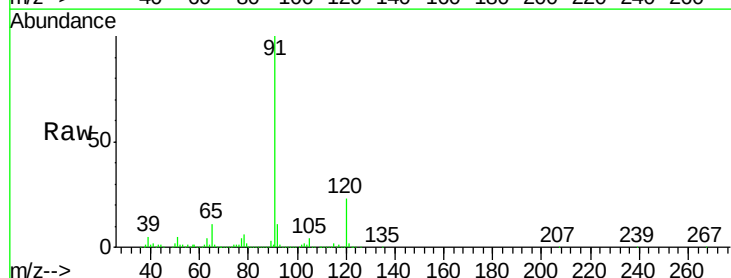
Acq: 13 Jun 2018 12:19

Tgt Ion: 91 Resp: 312370

Ion Ratio Lower Upper

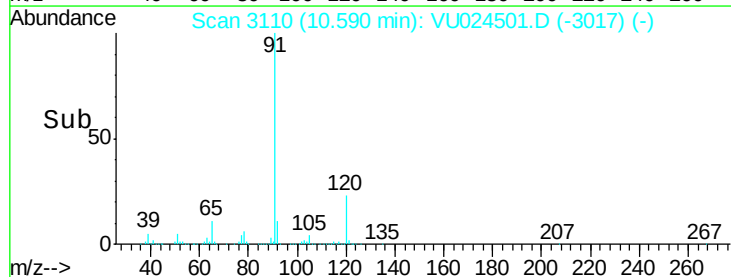
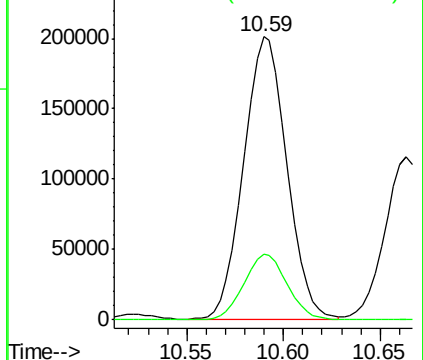
91 100

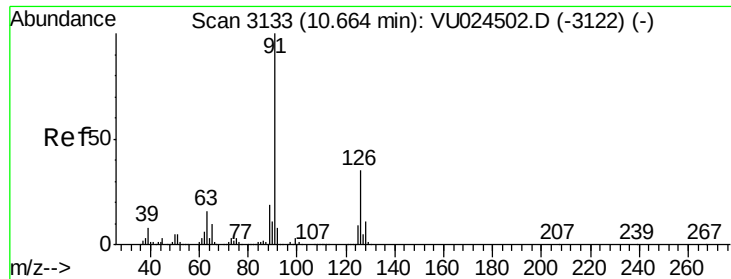
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.56 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

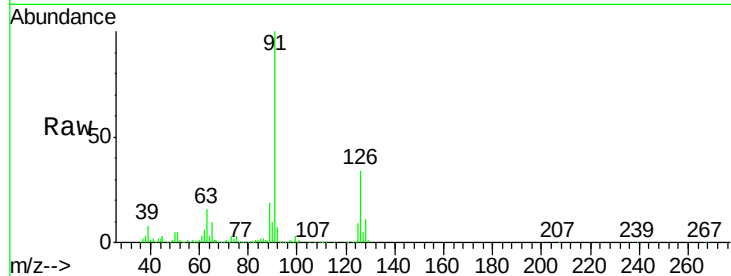
VSTDIC020

Tgt Ion: 91 Resp: 180544

Ion Ratio Lower Upper

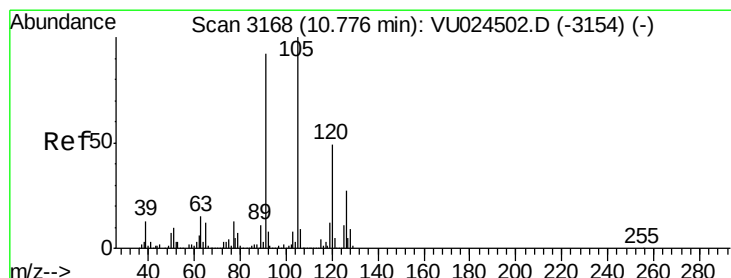
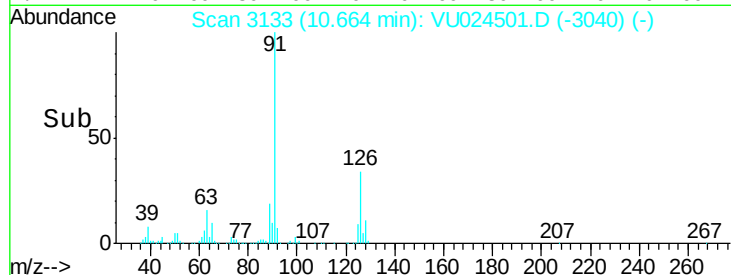
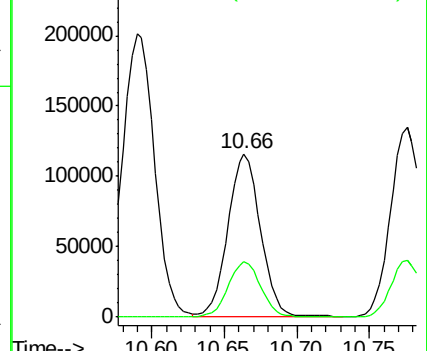
91 100

126 34.3 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024501.D

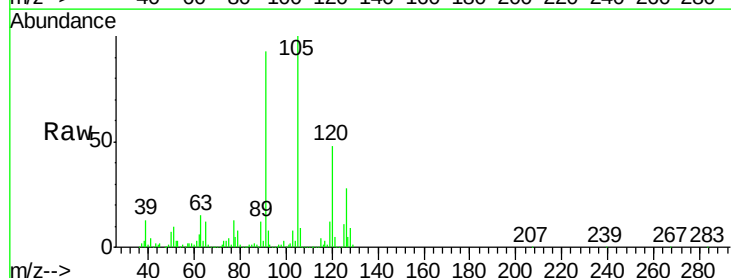
Acq: 13 Jun 2018 12:19

Tgt Ion: 105 Resp: 222581

Ion Ratio Lower Upper

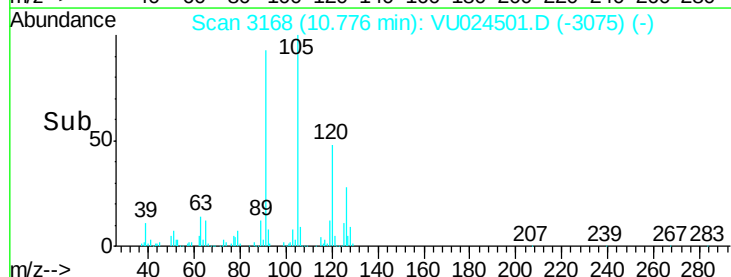
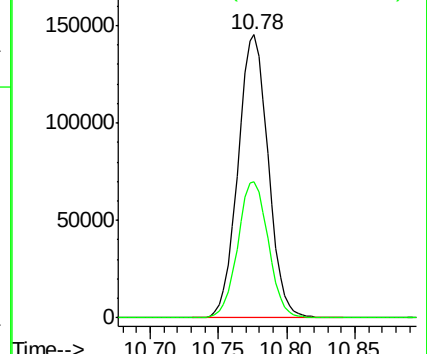
105 100

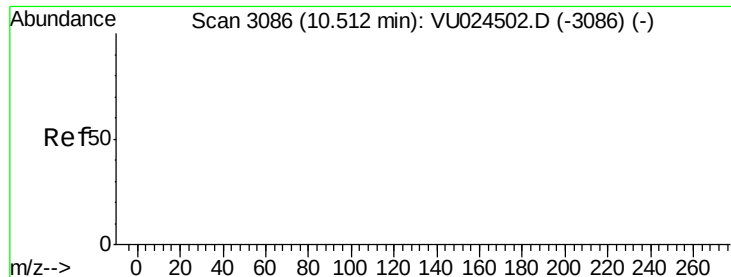
120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

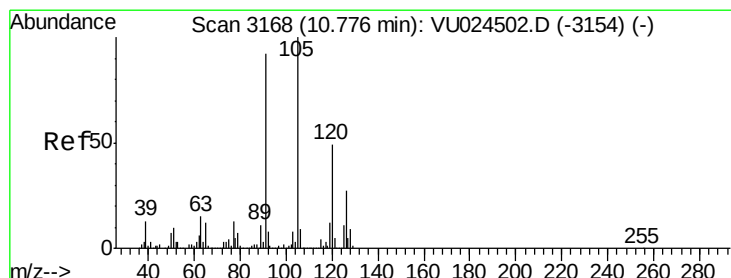
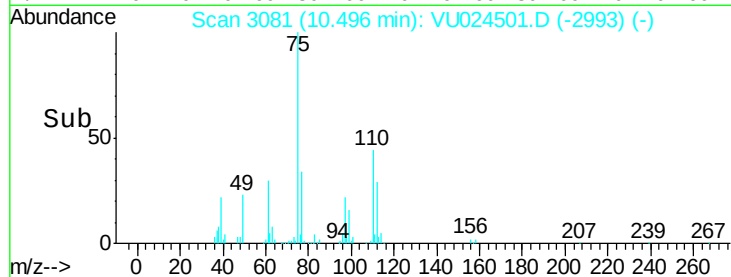
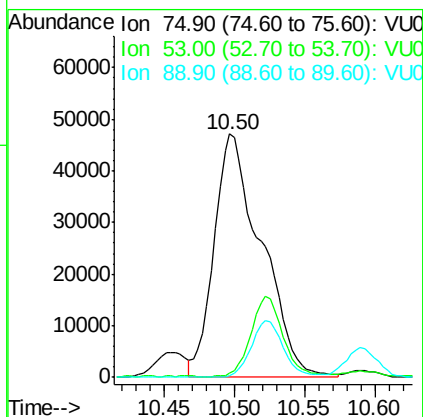
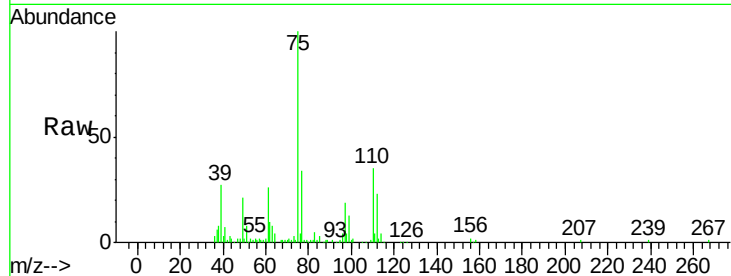




#81
trans-1,4-Dichloro-2-butene
Concen: 65.72 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

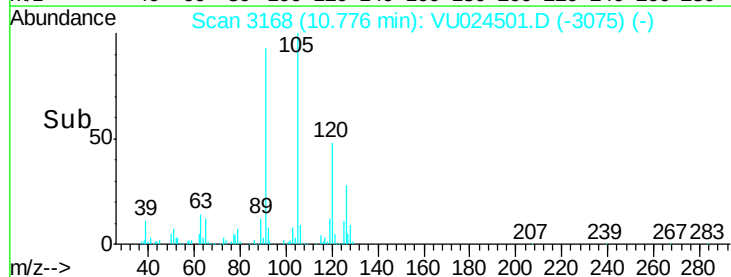
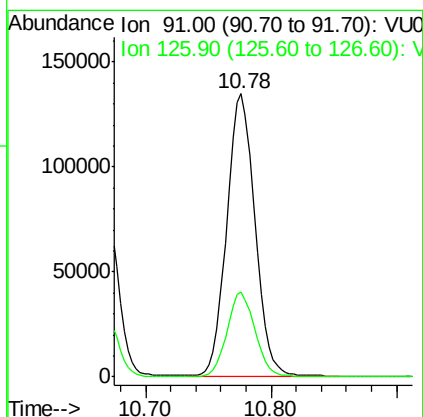
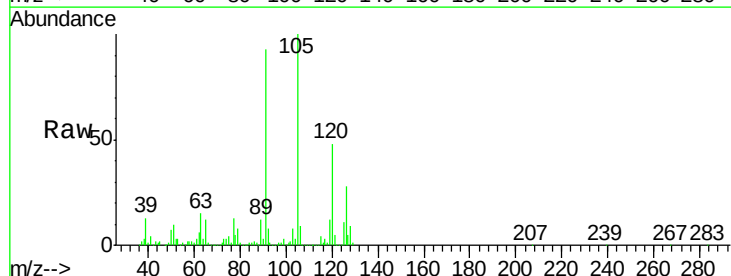
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

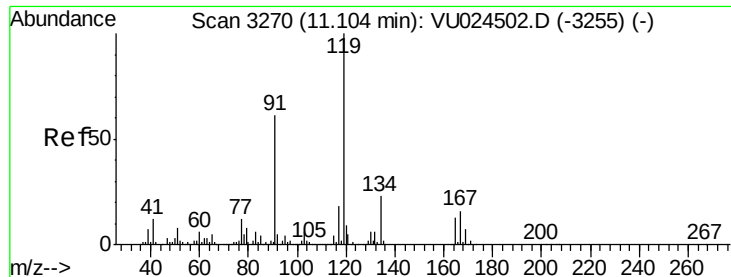
Tgt Ion: 75 Resp: 109996
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.58 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion: 91 Resp: 209740
Ion Ratio Lower Upper
91 100
126 30.1 14.9 44.9

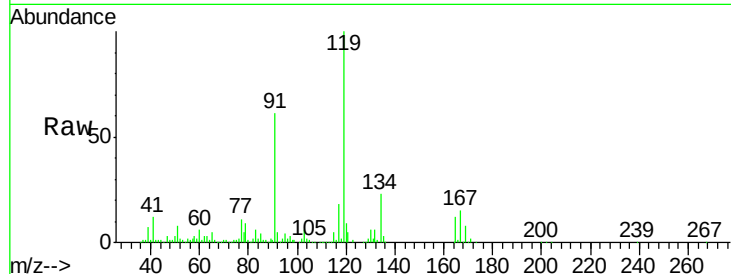




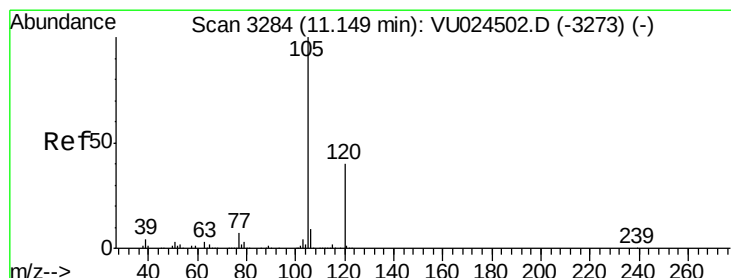
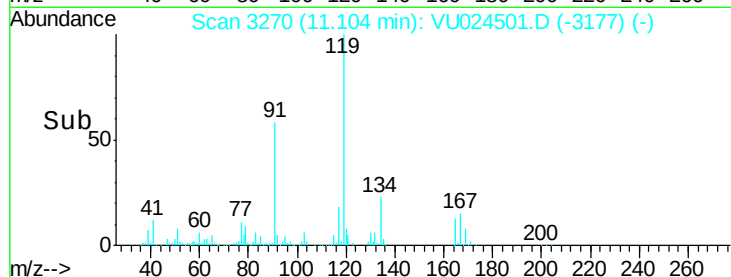
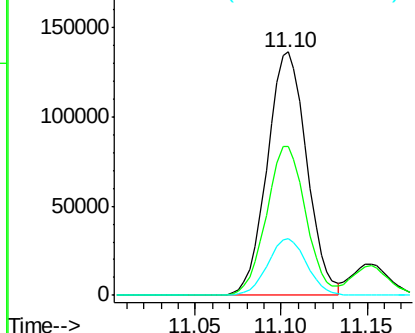
#83
 tert-Butylbenzene
 Concen: 22.56 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.8	29.7	89.1
134	22.9	11.6	34.7

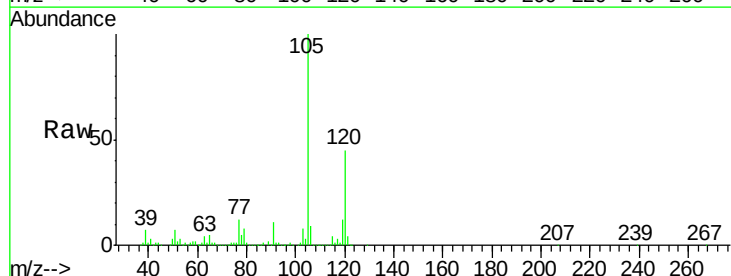


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

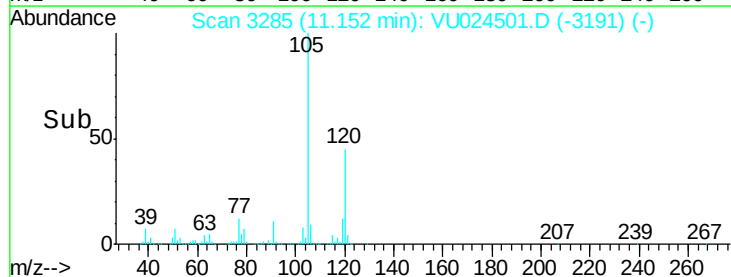
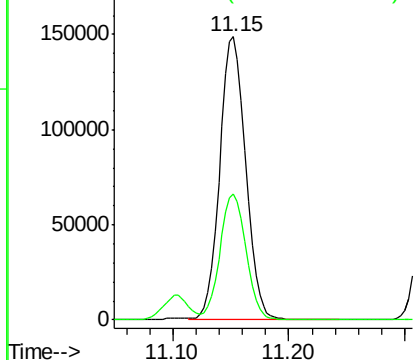


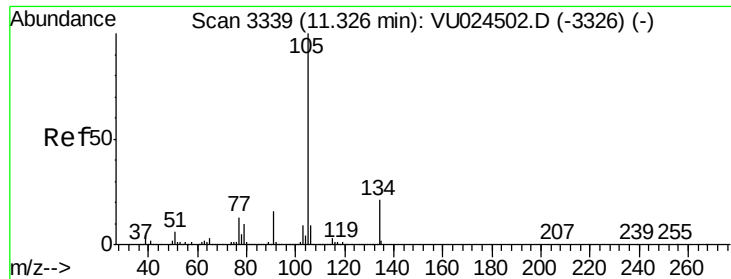
#84
 1,2,4-Trimethylbenzene
 Concen: 23.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8



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

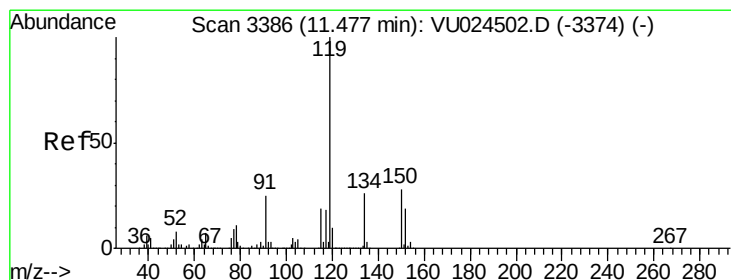
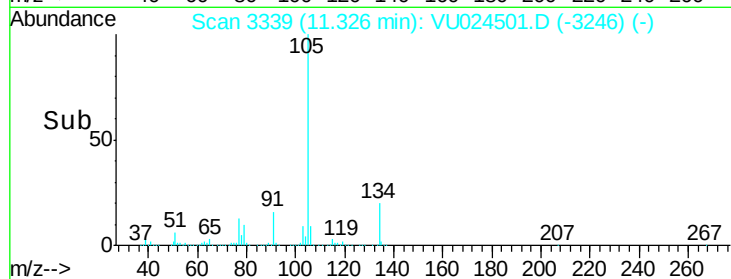
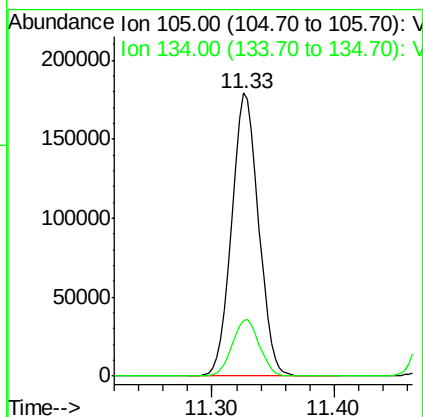
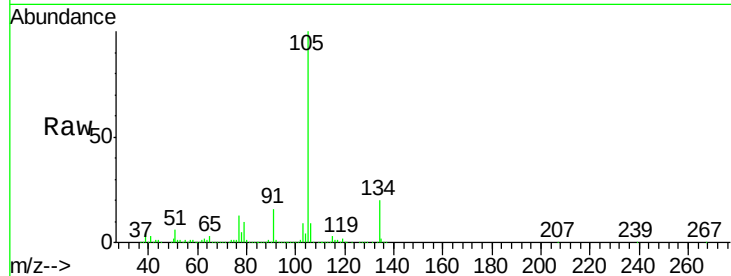




#85
 sec-Butylbenzene
 Concen: 22.68 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

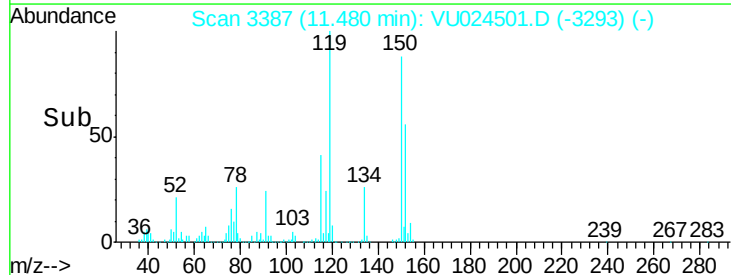
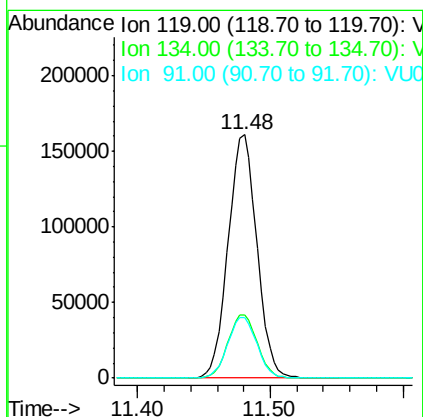
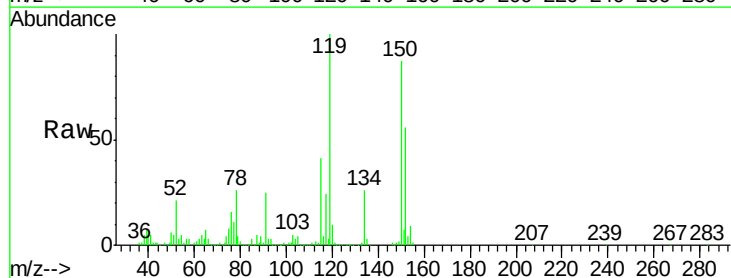
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

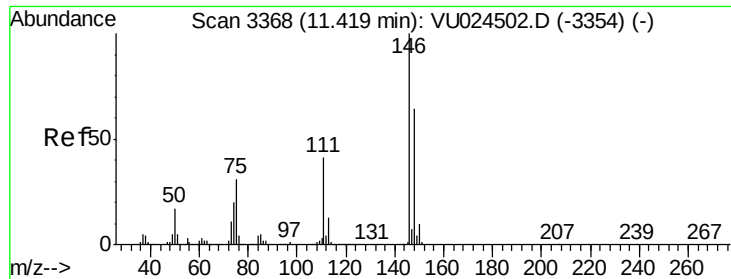
Tgt Ion:105 Resp: 274368
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.53 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion:119 Resp: 240901
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 25.3 12.0 36.1

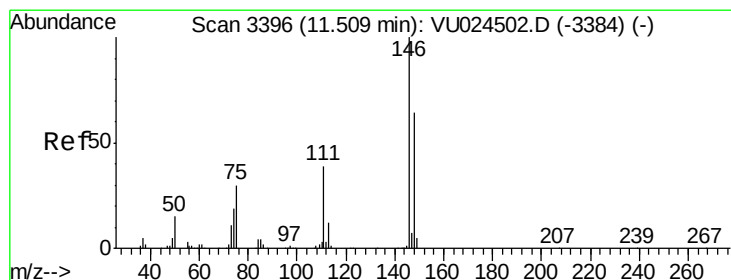
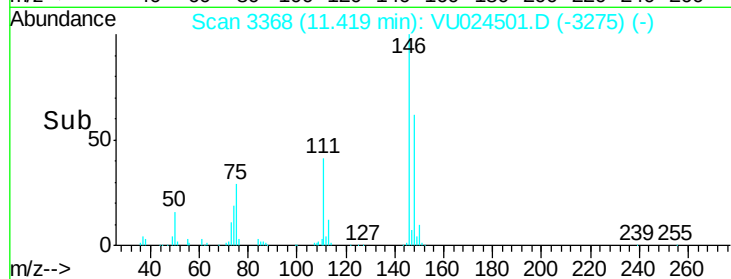
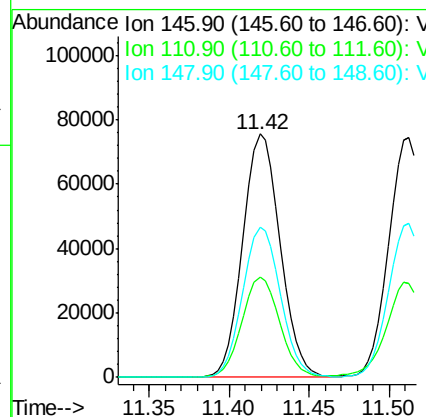
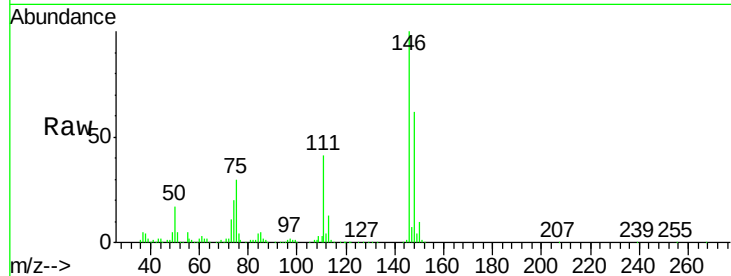




#87
 1,3-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

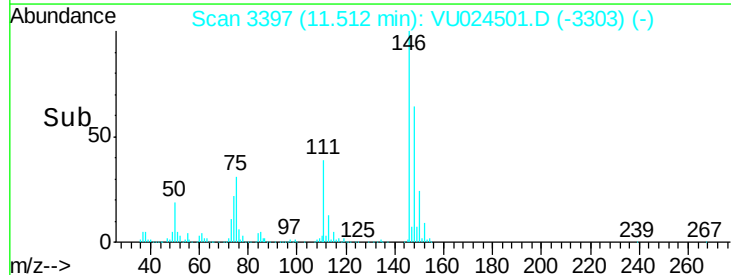
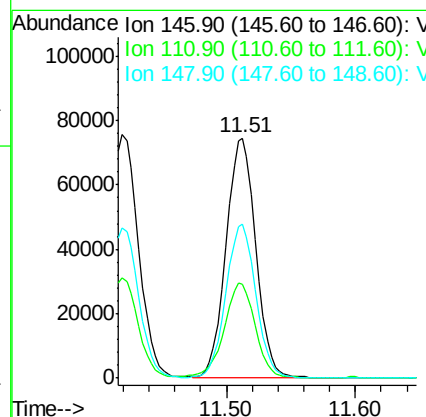
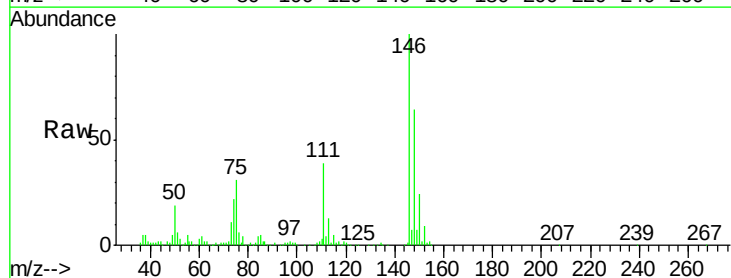
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

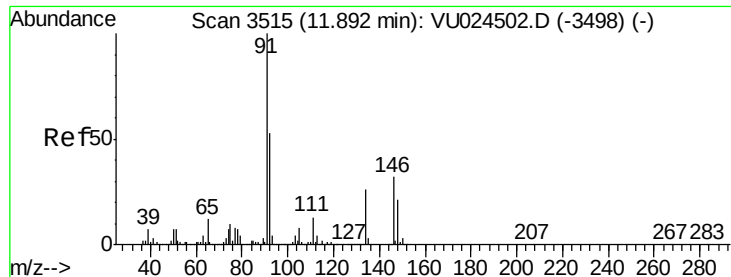
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	62.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.33 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 20.64 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

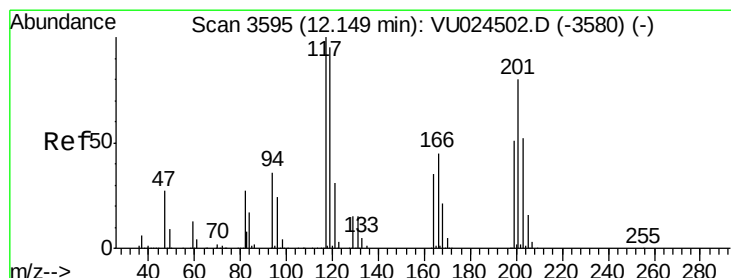
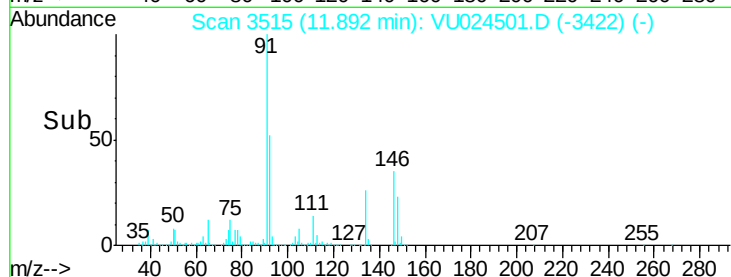
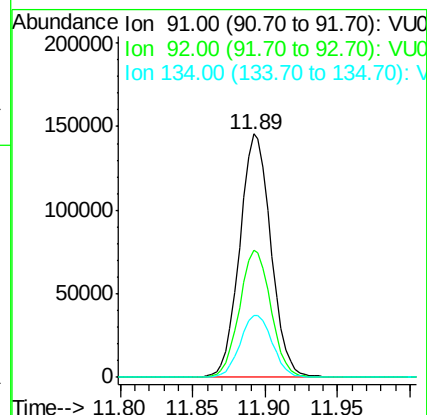
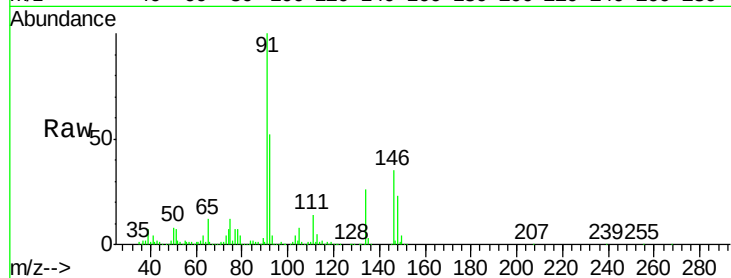
Tgt Ion: 91 Resp: 217149

Ion Ratio Lower Upper

91 100

92 52.8 25.6 76.8

134 26.5 12.3 36.8



#90

Hexachloroethane

Concen: 23.64 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024501.D

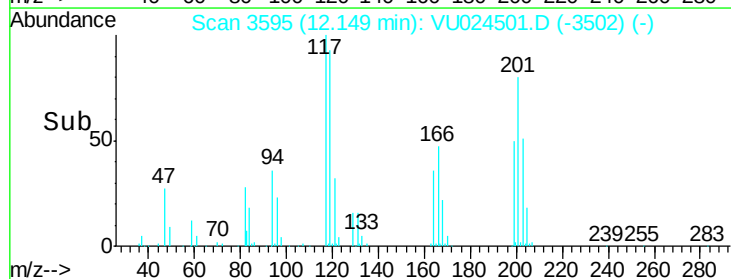
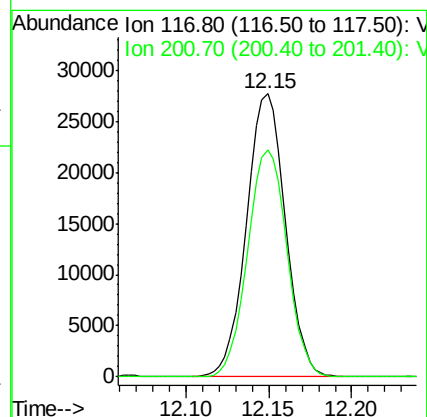
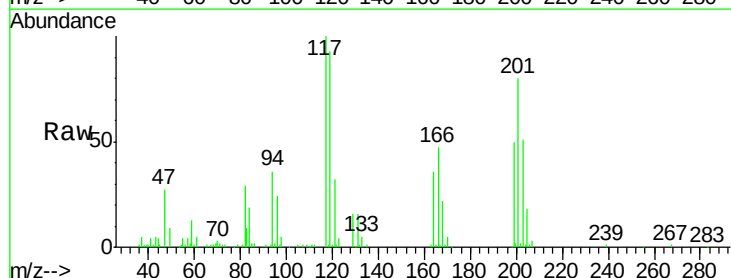
Acq: 13 Jun 2018 12:19

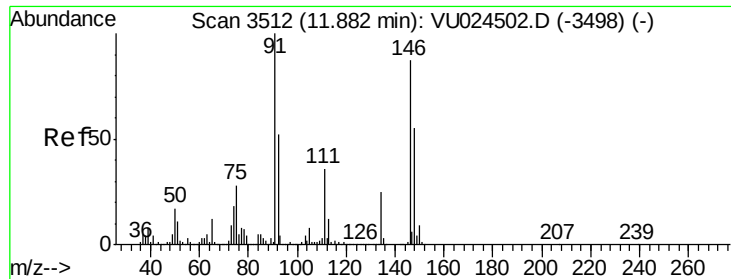
Tgt Ion: 117 Resp: 45300

Ion Ratio Lower Upper

117 100

201 81.1 41.1 123.3

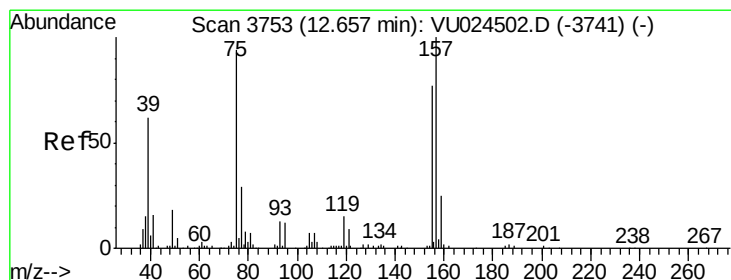
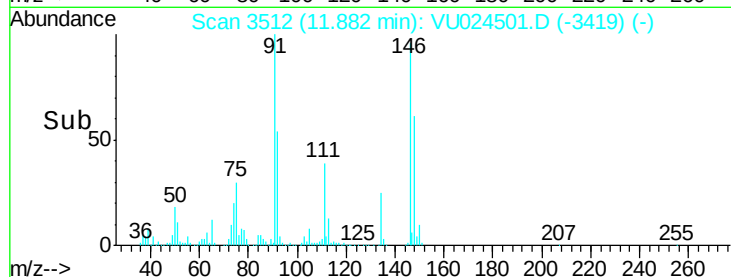
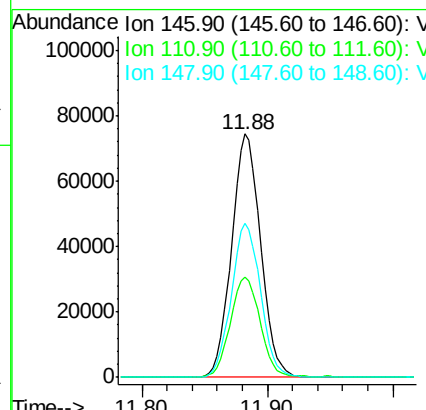
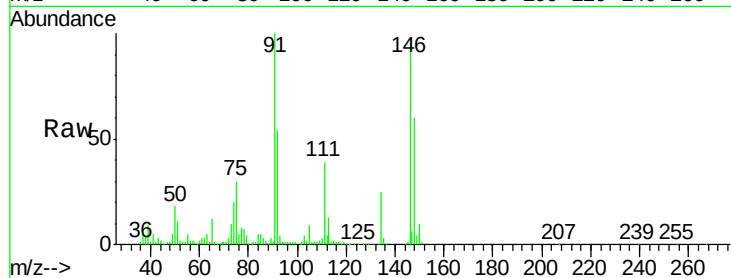




#91
 1,2-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

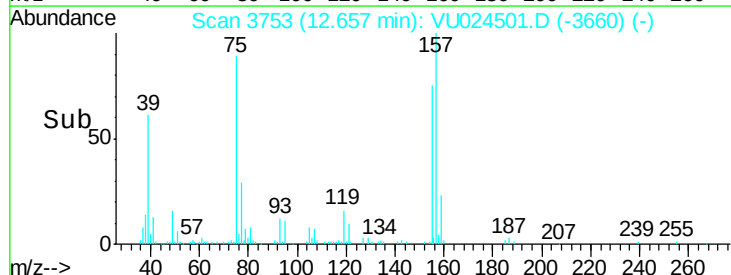
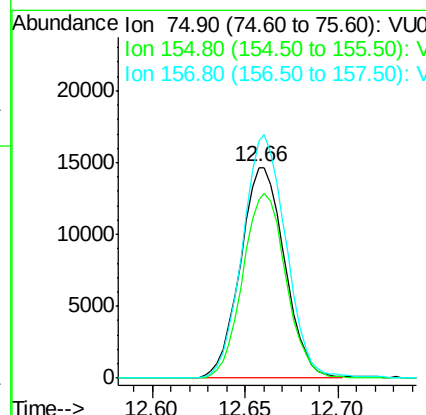
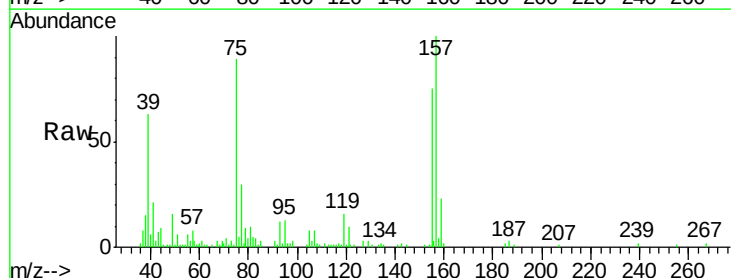
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

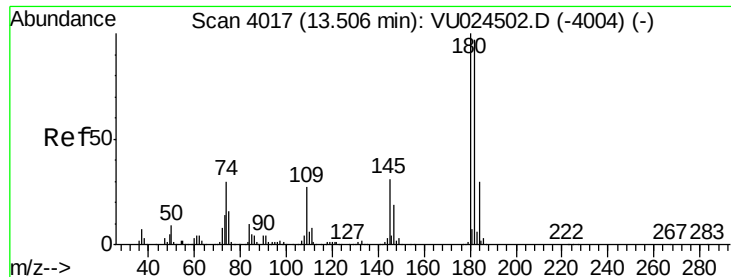
Tgt Ion:146 Resp: 120049
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.6
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.66 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 75 Resp: 24452
 Ion Ratio Lower Upper
 75 100
 155 85.0 40.4 121.2
 157 113.1 52.3 156.8

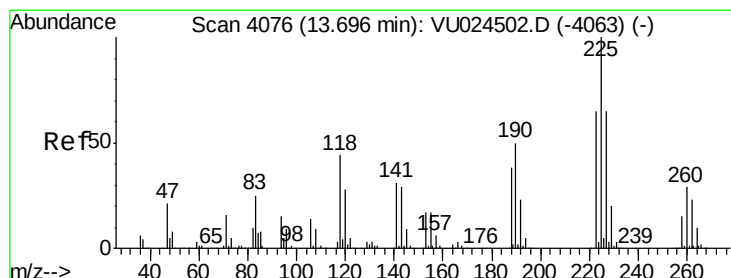
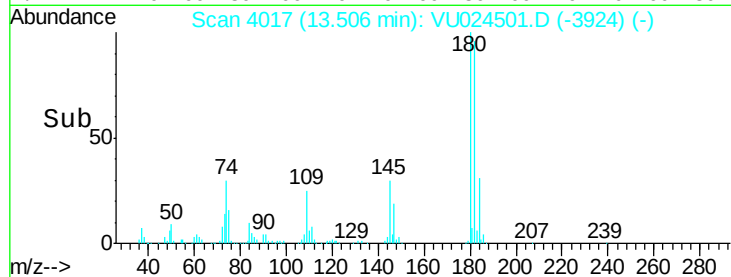
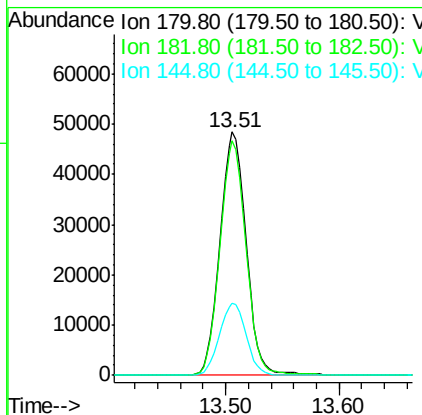
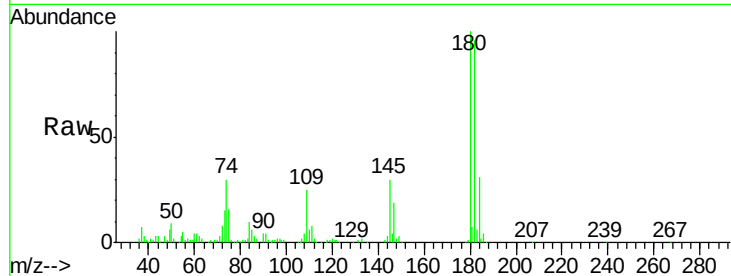




#93
 1,2,4-Trichlorobenzene
 Concen: 21.34 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

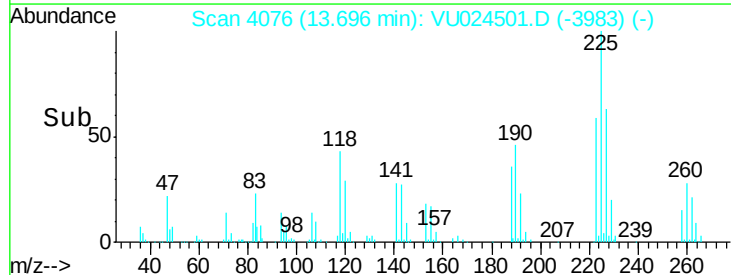
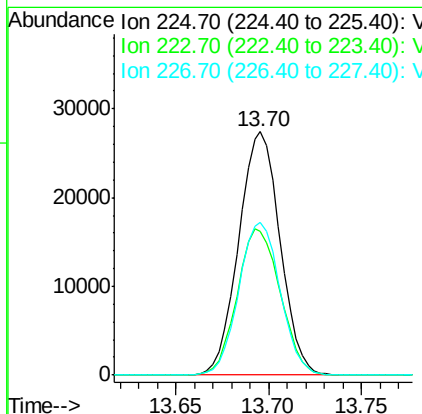
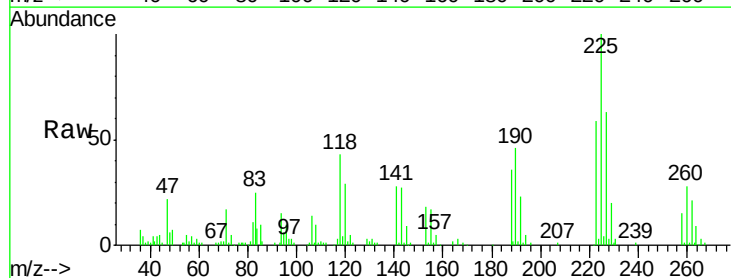
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

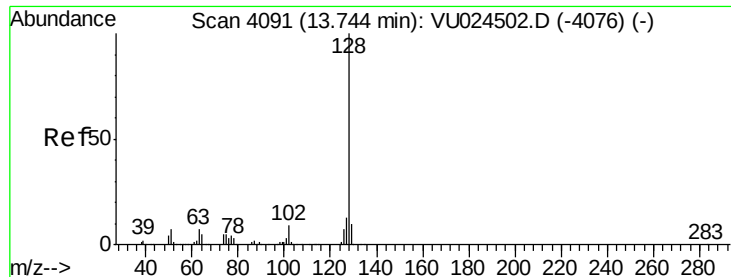
Tgt Ion:180 Resp: 78280
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 30.1 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 19.44 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion:225 Resp: 42364
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 62.9 31.8 95.4





#95

Naphthalene

Concen: 24.23 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

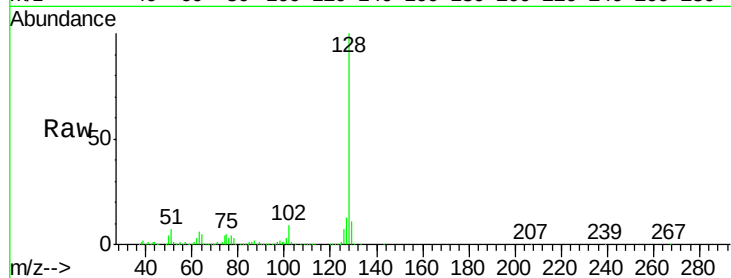
Tgt Ion:128 Resp: 243070

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

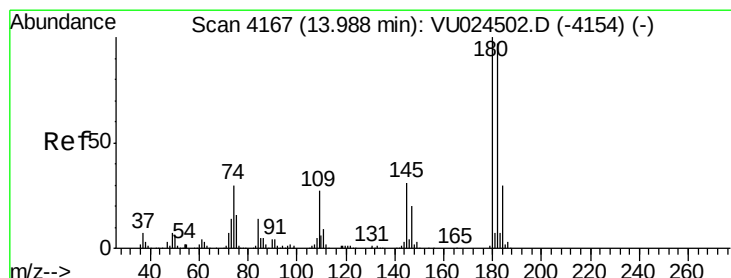
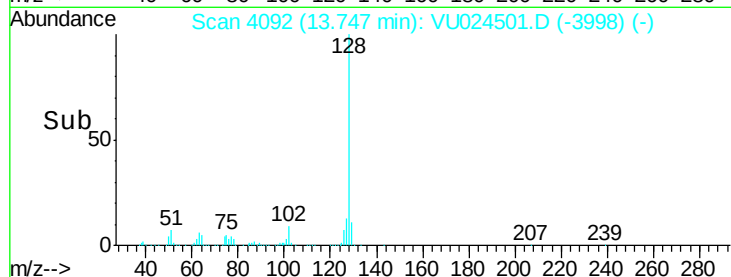
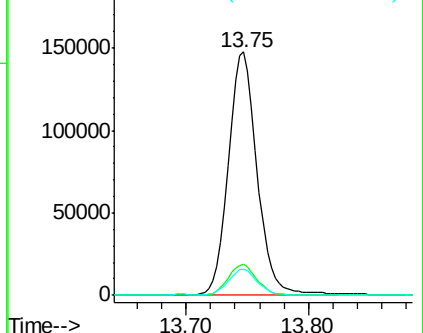
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.53 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024501.D

Acq: 13 Jun 2018 12:19

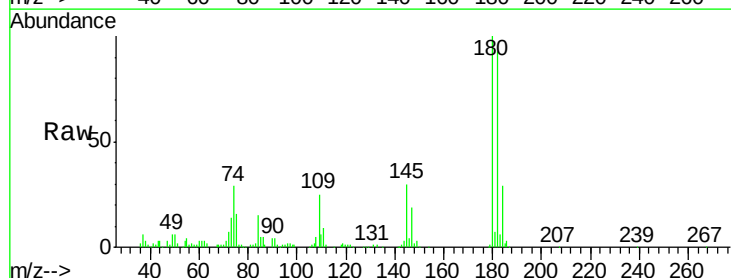
Tgt Ion:180 Resp: 79810

Ion Ratio Lower Upper

180 100

182 97.2 47.9 143.7

145 32.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

