

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112818\
 Data File : VU028352.D
 Acq On : 28 Nov 2018 09:11
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 29 00:32:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	225022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	398782	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	352877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	154801	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	5418	1.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.88%	
35) Dibromofluoromethane	4.88	113	3549	1.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.68%	
50) Toluene-d8	7.57	98	11388	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	
62) 4-Bromofluorobenzene	10.31	95	5153	1.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	2893	0.958 ug/l	97
3) Chloromethane	1.33	50	6009	1.027 ug/l	97
4) Vinyl Chloride	1.40	62	4035	0.986 ug/l	100
5) Bromomethane	1.63	94	1592	1.005 ug/l #	80
6) Chloroethane	1.70	64	2506	1.064 ug/l #	80
7) Trichlorofluoromethane	1.89	101	4233	0.995 ug/l	100
8) Diethyl Ether	2.10	74	2233	1.130 ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2614	1.055 ug/l	95
10) Methyl Iodide	2.41	142	1712	0.733 ug/l #	74
11) Tert butyl alcohol	2.83	59	3883	4.545 ug/l	95
12) 1,1-Dichloroethene	2.28	96	2206	0.918 ug/l	89
13) Acrolein	2.19	56	4131	5.439 ug/l	92
14) Allyl chloride	2.59	41	6029	0.960 ug/l	90
15) Acrylonitrile	2.94	53	10186	4.507 ug/l	95
16) Acetone	2.32	43	12572	5.465 ug/l	100
17) Carbon Disulfide	2.48	76	10402	1.127 ug/l #	94
18) Methyl Acetate	2.62	43	6349	0.991 ug/l	96
19) Methyl tert-butyl Ether	3.00	73	9549	0.969 ug/l #	88
20) Methylene Chloride	2.70	84	4965	1.395 ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	2816	1.010 ug/l #	80
22) Diisopropyl ether	3.57	45	5074	0.411 ug/l #	62
23) Vinyl Acetate	3.53	43	45166	4.394 ug/l	98
24) 1,1-Dichloroethane	3.44	63	5184	0.850 ug/l #	94
25) 2-Butanone	4.27	43	15337	4.652 ug/l	95
26) 2,2-Dichloropropane	4.22	77	4835	0.999 ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	3529	1.070 ug/l	94
28) Bromochloromethane	4.56	49	2945	0.966 ug/l #	96
29) Tetrahydrofuran	4.65	42	9016	4.212 ug/l	95
30) Chloroform	4.67	83	5931	1.054 ug/l	92
31) Cyclohexane	4.99	56	11212	1.549 ug/l #	44
32) 1,1,1-Trichloroethane	4.92	97	4144	0.918 ug/l #	54
36) 1,1-Dichloropropene	5.14	75	4718	1.081 ug/l #	83
37) Ethyl Acetate	4.39	43	5013	0.843 ug/l #	87
38) Carbon Tetrachloride	5.14	117	3486	0.973 ug/l #	82

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 VSTDIC001

Quant Time: Nov 29 00:32:22 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	5172	1.005	ug/l	89
40) Benzene	5.39	78	11695	0.905	ug/l #	89
41) Methacrylonitrile	4.55	41	2627	0.795	ug/l #	63
42) 1,2-Dichloroethane	5.40	62	4467	0.959	ug/l	89
43) Isopropyl Acetate	5.55	43	8536	0.906	ug/l #	91
44) Trichloroethene	6.19	130	2634	0.951	ug/l	100
45) 1,2-Dichloropropane	6.43	63	3343	0.883	ug/l #	85
46) Dibromomethane	6.56	93	1889	0.869	ug/l	89
47) Bromodichloromethane	6.76	83	4208	0.973	ug/l #	98
48) Methyl methacrylate	6.62	41	4897	0.998	ug/l	88
49) 1,4-Dioxane	6.62	88	1249	15.927	ug/l #	76
51) 4-Methyl-2-Pentanone	7.46	43	27016	4.489	ug/l	96
52) Toluene	7.64	92	6492	0.872	ug/l	93
53) t-1,3-Dichloropropene	7.88	75	4869	0.942	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	5532	0.999	ug/l #	88
55) 1,1,2-Trichloroethane	8.07	97	3038	0.981	ug/l	95
56) Ethyl methacrylate	8.02	69	4564	0.866	ug/l	92
57) 1,3-Dichloropropane	8.24	76	5257	0.925	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	11225	3.968	ug/l	98
59) 2-Hexanone	8.37	43	19595	4.203	ug/l	98
60) Dibromochloromethane	8.48	129	2696	0.915	ug/l	98
61) 1,2-Dibromoethane	8.58	107	2732	0.861	ug/l	98
64) Tetrachloroethene	8.23	164	2289	0.986	ug/l #	80
65) Chlorobenzene	9.12	112	6928	0.946	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	9.21	131	2369	0.943	ug/l #	58
67) Ethyl Benzene	9.25	91	13103	0.949	ug/l	90
68) m/p-Xylenes	9.38	106	9325	1.877	ug/l	97
69) o-Xylene	9.78	106	4689	0.950	ug/l	93
70) Styrene	9.79	104	7066	0.887	ug/l	97
71) Bromoform	9.96	173	1858	0.880	ug/l #	100
73) Isopropylbenzene	10.16	105	11550	0.959	ug/l	93
74) N-amyl acetate	10.01	43	6945	0.921	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	4610	0.931	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	3278	0.773	ug/l	66
77) Bromobenzene	10.45	156	2906	1.024	ug/l	92
78) n-propylbenzene	10.59	91	14232	0.958	ug/l	92
79) 2-Chlorotoluene	10.66	91	8153	0.931	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	9826	0.968	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.49	75	3278	1.590	ug/l #	100
82) 4-Chlorotoluene	10.77	91	9674	0.959	ug/l	98
83) tert-Butylbenzene	11.10	119	8276	0.875	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	9590	0.933	ug/l	96
85) sec-Butylbenzene	11.32	105	11778	0.959	ug/l	100
86) p-Isopropyltoluene	11.48	119	9143	0.905	ug/l	87
87) 1,3-Dichlorobenzene	11.42	146	5304	1.025	ug/l	95
88) 1,4-Dichlorobenzene	11.42	146	5304	1.019	ug/l	96
89) n-Butylbenzene	11.89	91	8962	0.899	ug/l	91
90) Hexachloroethane	12.15	117	1335	0.847	ug/l	79
91) 1,2-Dichlorobenzene	11.88	146	4777	0.925	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	945	0.858	ug/l	99

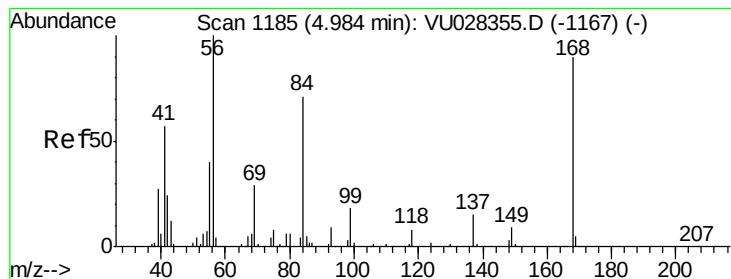
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112818\
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QLast Update : Thu Nov 29 00:29:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	3281	0.971	ug/l	79
94) Hexachlorobutadiene	13.70	225	1602	1.004	ug/l	97
95) Naphthalene	13.75	128	8209	0.714	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.99	180	3121	0.913	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

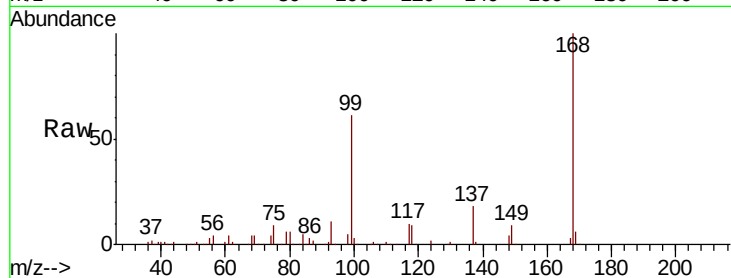
VSTDIC001

Tgt Ion:168 Resp: 225022

Ion Ratio Lower Upper

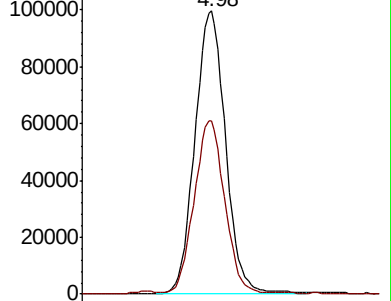
168 100

99 60.8 49.6 74.4

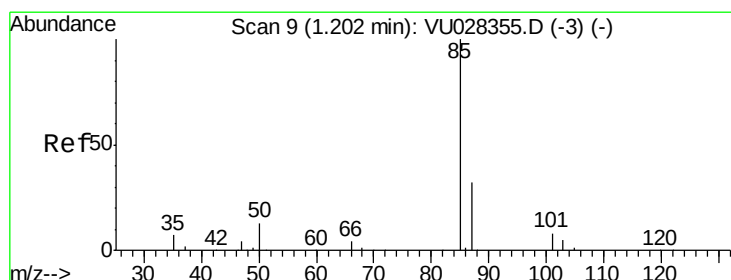
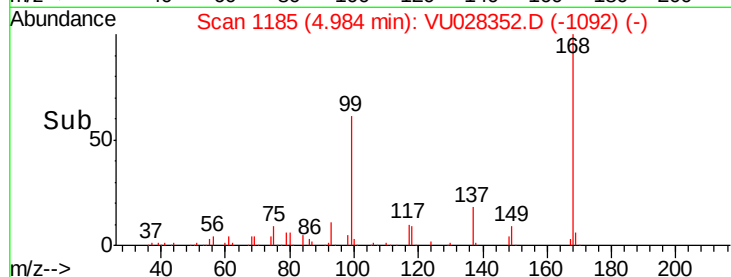


Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028352.D (-1092) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 0.958 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028352.D

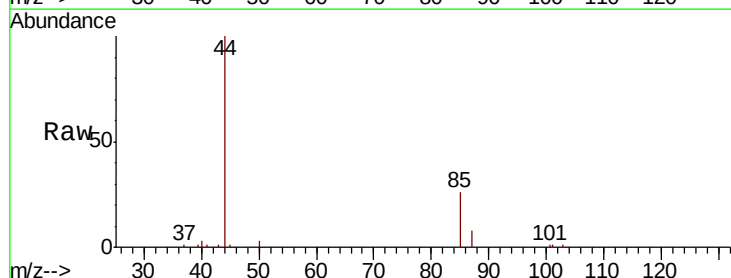
Acq: 28 Nov 2018 09:11

Tgt Ion: 85 Resp: 2893

Ion Ratio Lower Upper

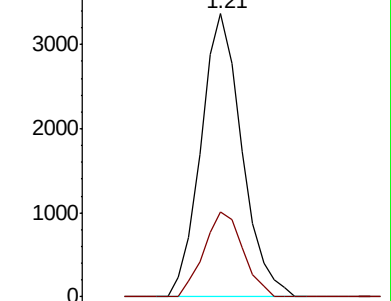
85 100

87 30.1 15.9 47.7

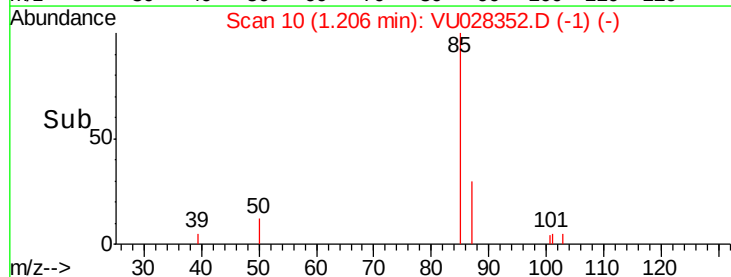


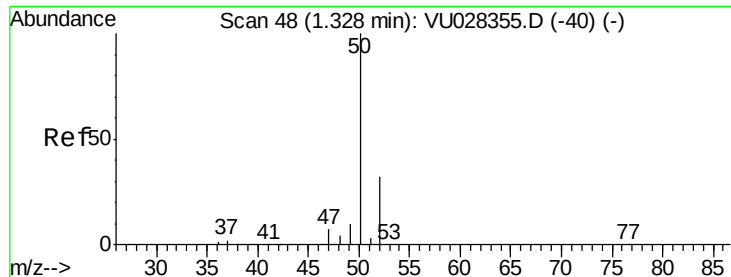
Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028352.D (-1) (-)



Time-->





#3

Chloromethane

Concen: 1.027 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

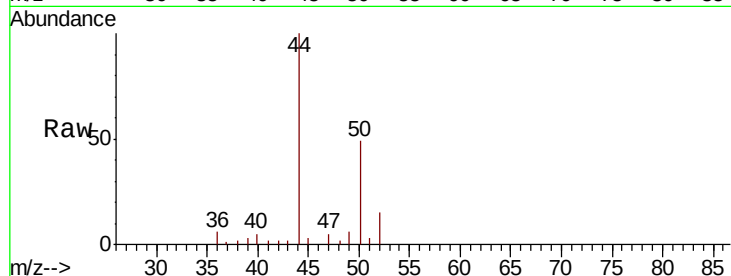
VSTDIC001

Tgt Ion: 50 Resp: 6009

Ion Ratio Lower Upper

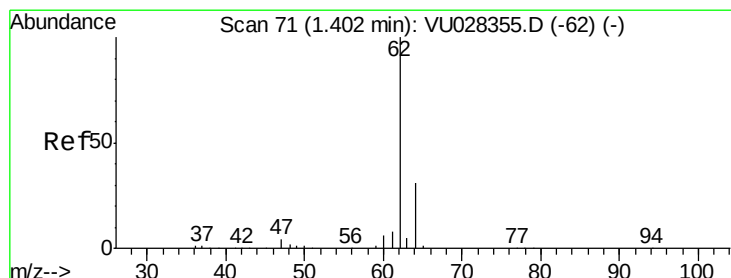
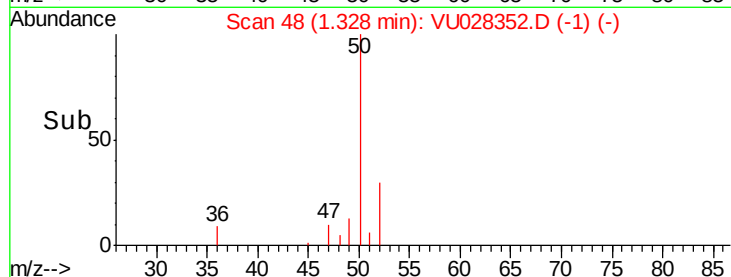
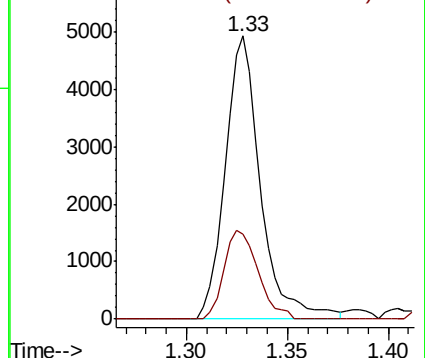
50 100

52 30.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.986 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028352.D

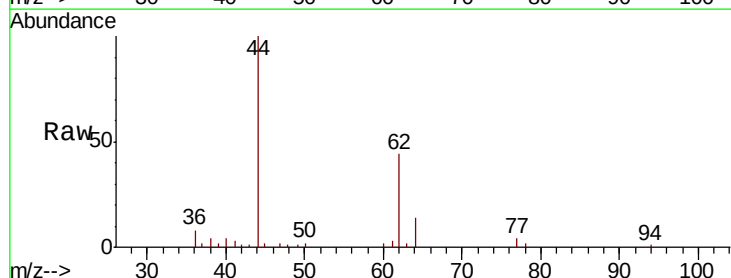
Acq: 28 Nov 2018 09:11

Tgt Ion: 62 Resp: 4035

Ion Ratio Lower Upper

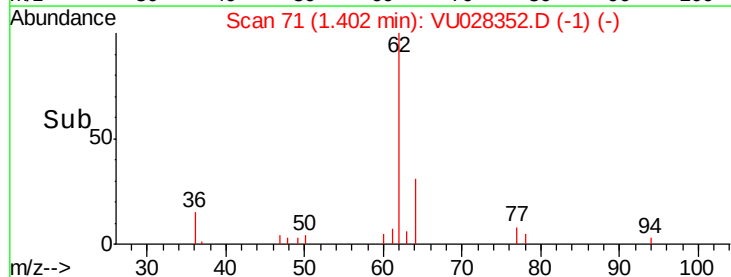
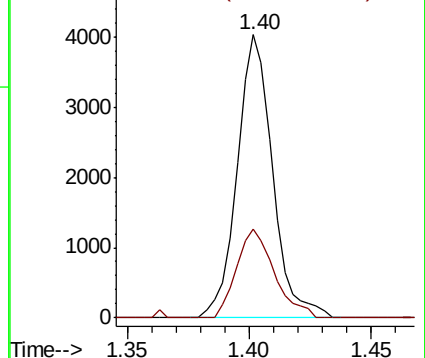
62 100

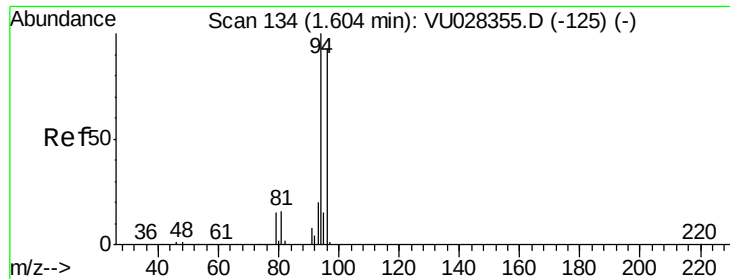
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 1.005 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.03 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

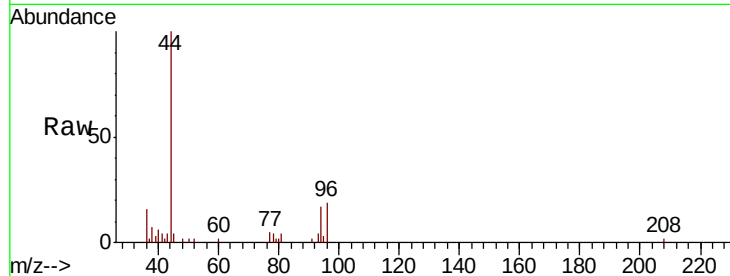
VSTDIC001

Tgt Ion: 94 Resp: 1592

Ion Ratio Lower Upper

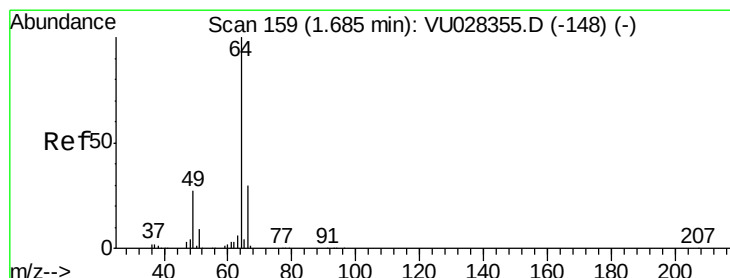
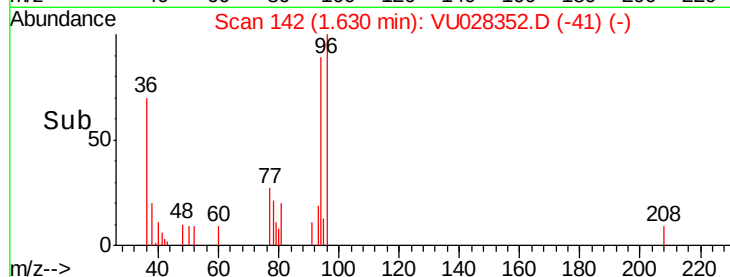
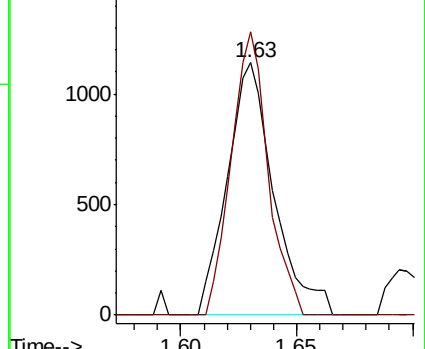
94 100

96 112.2 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.064 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028352.D

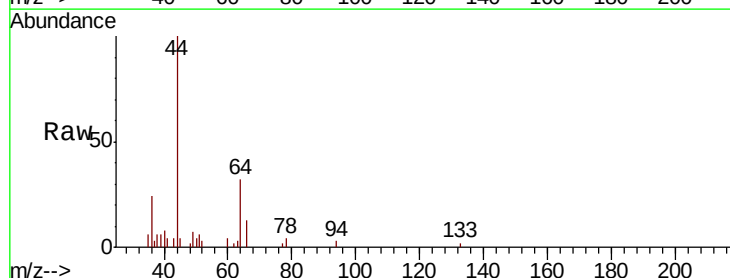
Acq: 28 Nov 2018 09:11

Tgt Ion: 64 Resp: 2506

Ion Ratio Lower Upper

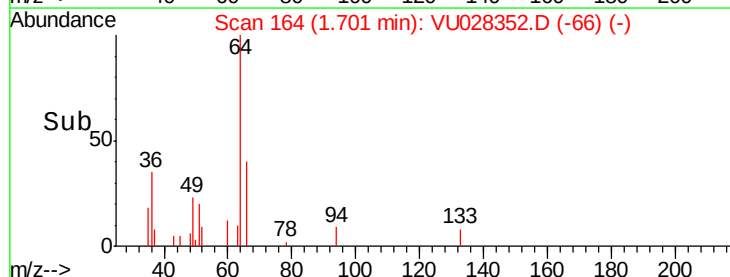
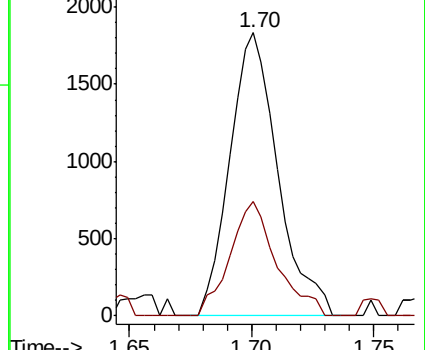
64 100

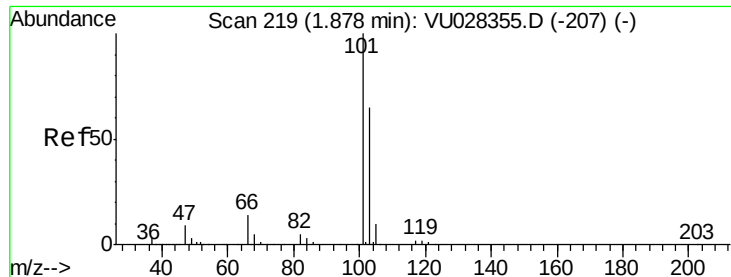
66 40.2 23.6 35.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 0.995 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

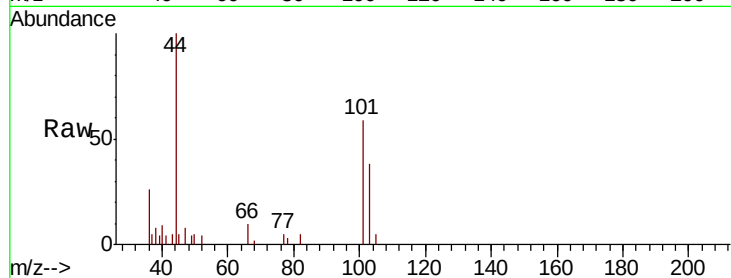
VSTDIC001

Tgt Ion:101 Resp: 4233

Ion Ratio Lower Upper

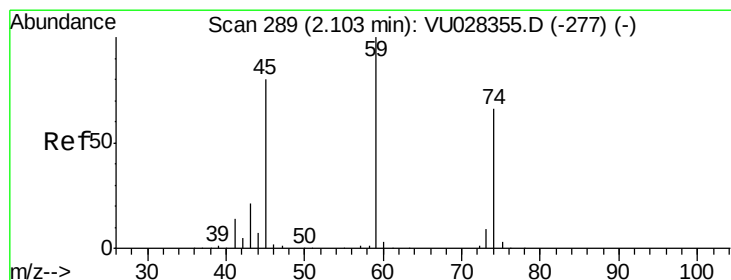
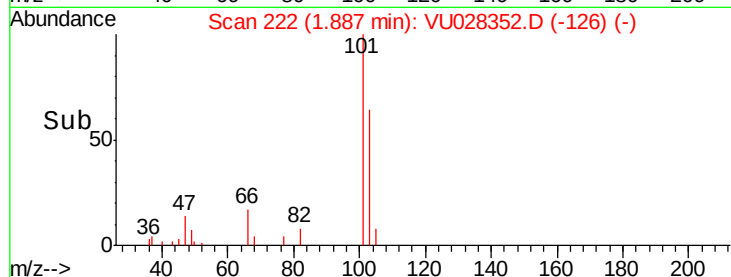
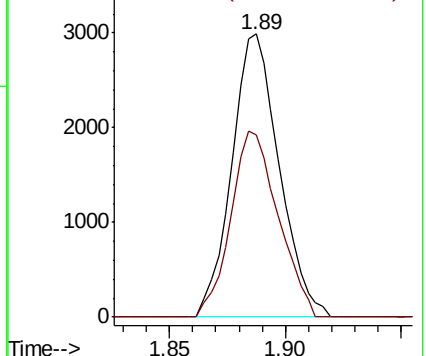
101 100

103 64.2 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.130 ug/l

RT: 2.10 min Scan# 289

Delta R.T. 0.00 min

Lab File: VU028352.D

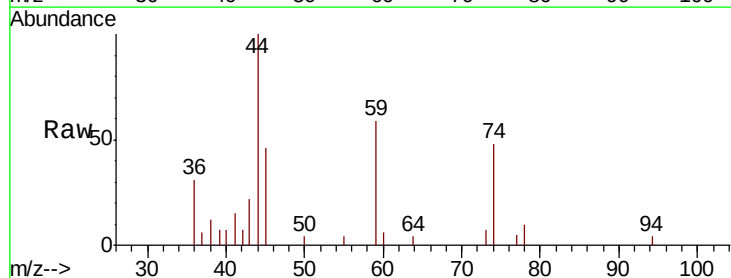
Acq: 28 Nov 2018 09:11

Tgt Ion: 74 Resp: 2233

Ion Ratio Lower Upper

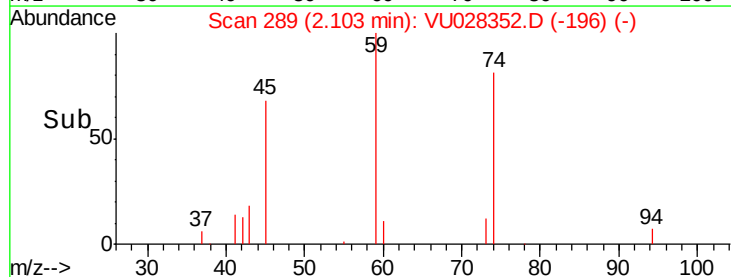
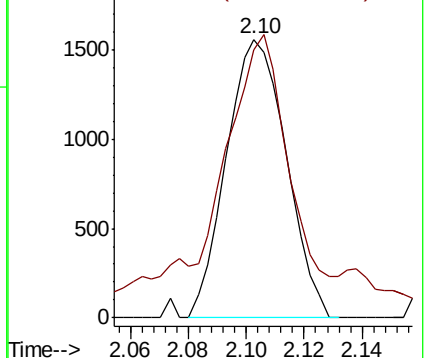
74 100

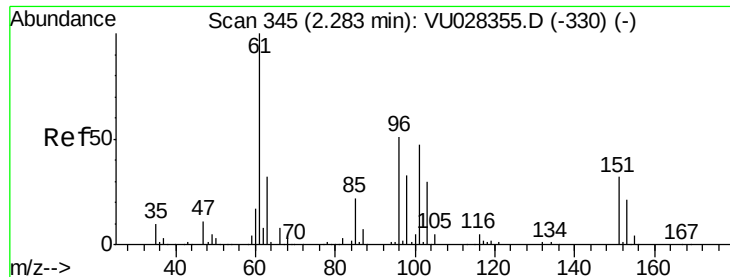
45 96.4 63.0 189.1



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.055 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

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ClientSampleId :

VSTDIC001

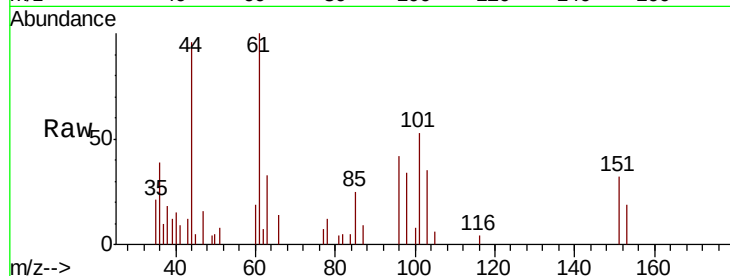
Tgt Ion:101 Resp: 2614

Ion Ratio Lower Upper

101 100

85 44.3 37.2 55.8

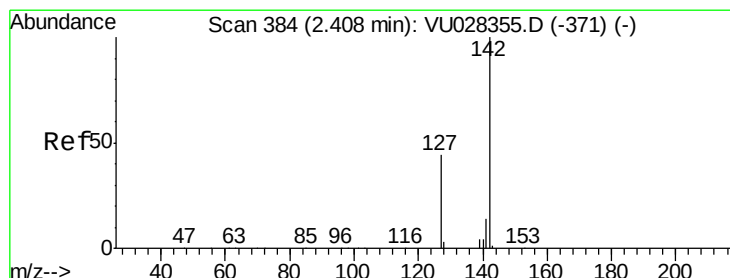
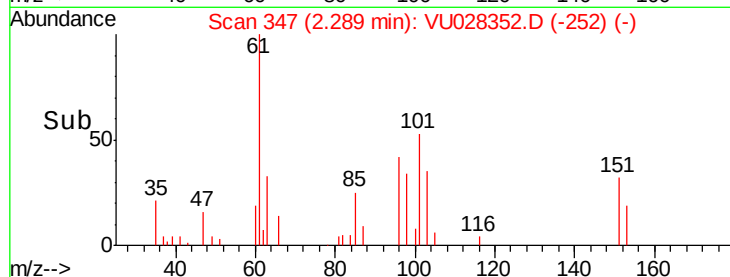
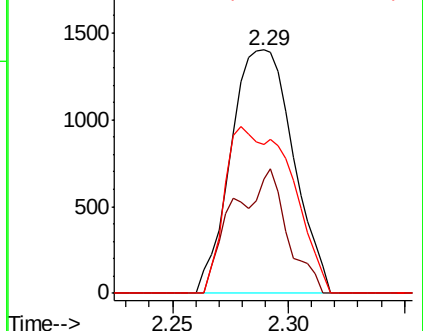
151 73.6 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.733 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

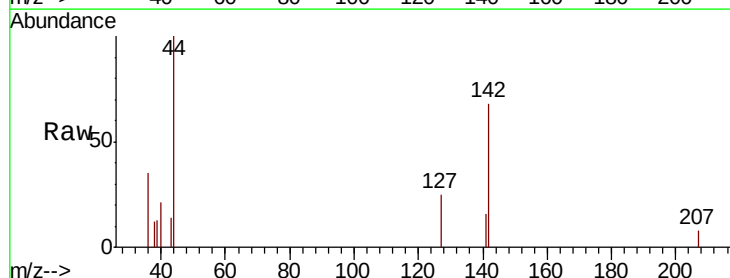
Tgt Ion:142 Resp: 1712

Ion Ratio Lower Upper

142 100

127 23.0 35.0 52.6#

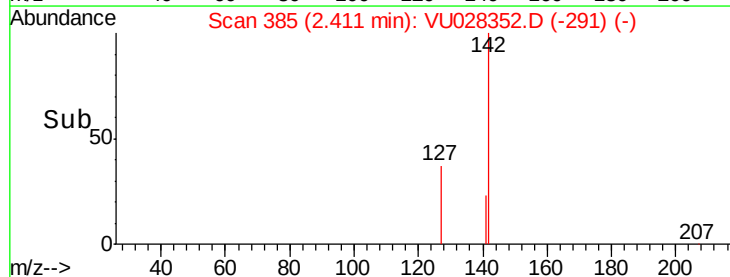
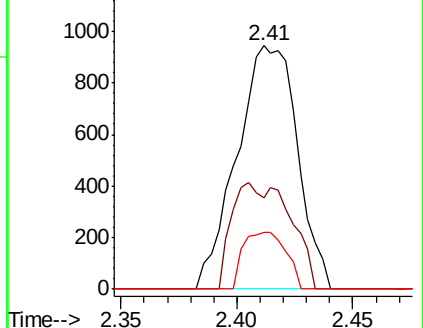
141 16.4 11.2 16.8

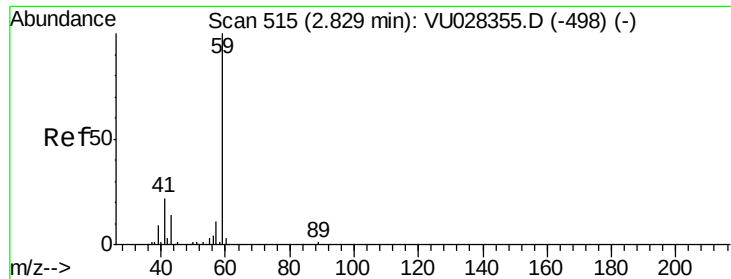


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

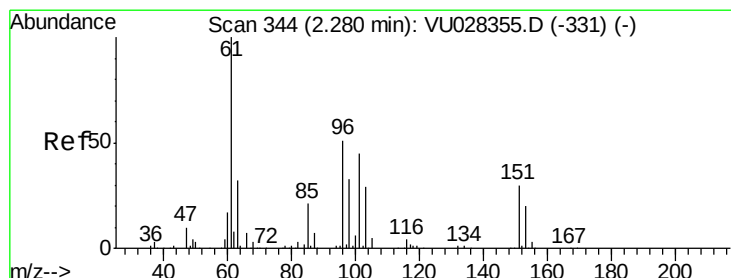
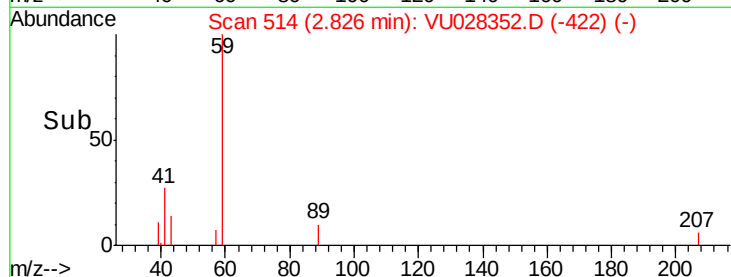
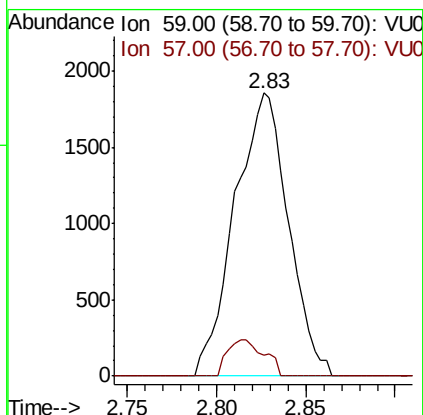
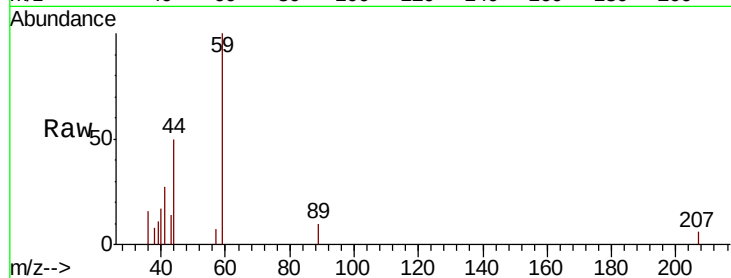




#11
Tert butyl alcohol
Concen: 4.545 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

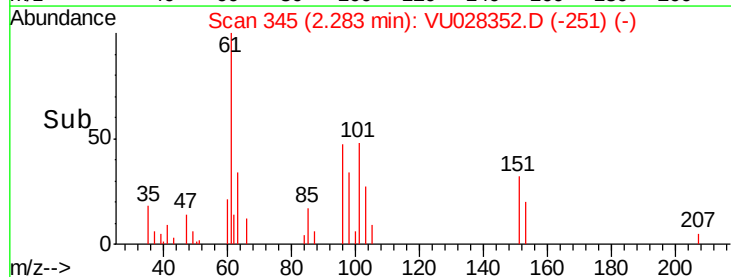
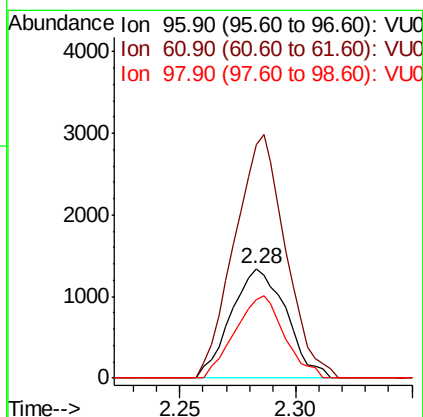
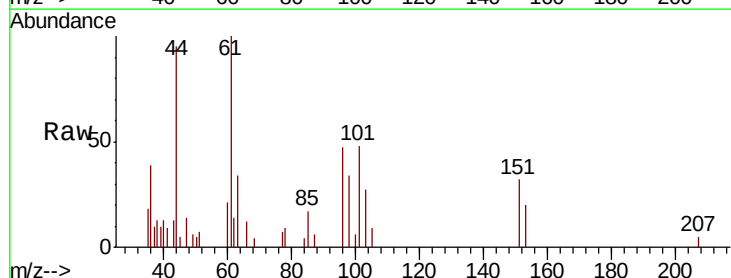
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

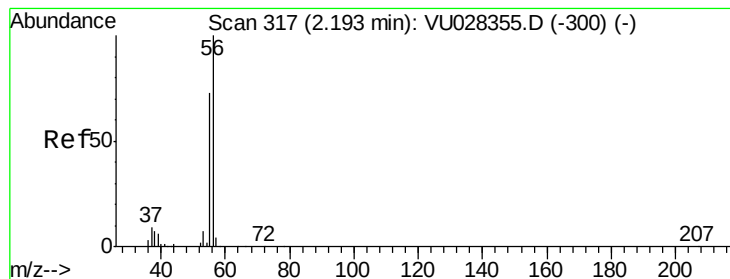
Tgt Ion: 59 Resp: 3883
Ion Ratio Lower Upper
59 100
57 8.7 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.918 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 96 Resp: 2206
Ion Ratio Lower Upper
96 100
61 214.1 158.1 237.1
98 72.0 51.4 77.2





#13

Acrolein

Concen: 5.439 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

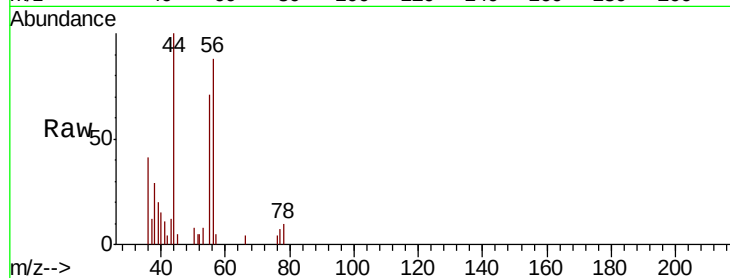
VSTDIC001

Tgt Ion: 56 Resp: 4131

Ion Ratio Lower Upper

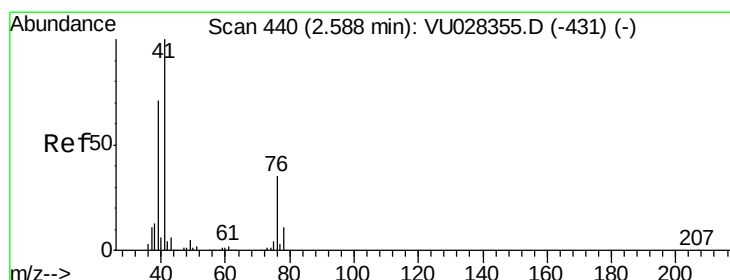
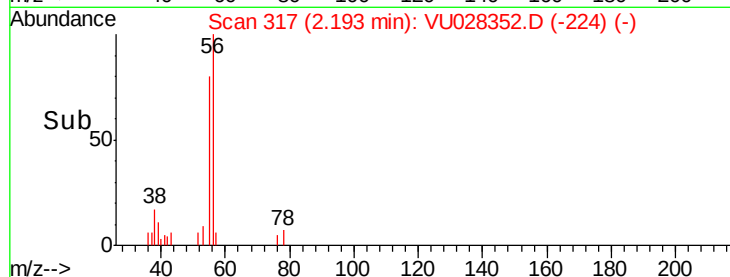
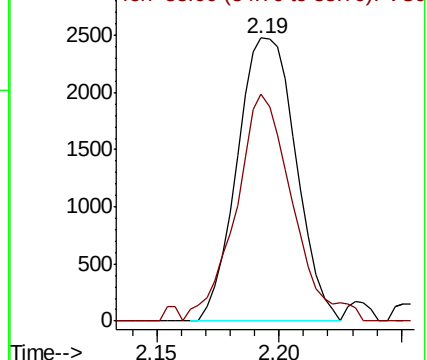
56 100

55 77.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 0.960 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

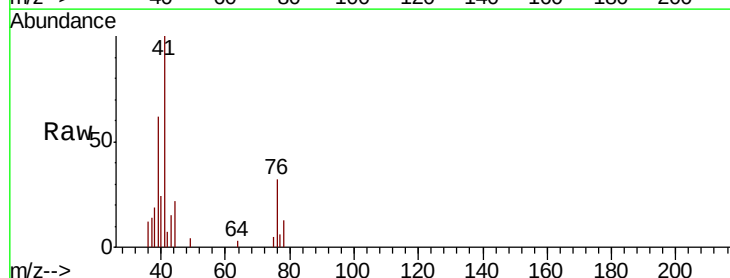
Tgt Ion: 41 Resp: 6029

Ion Ratio Lower Upper

41 100

39 74.1 51.6 77.4

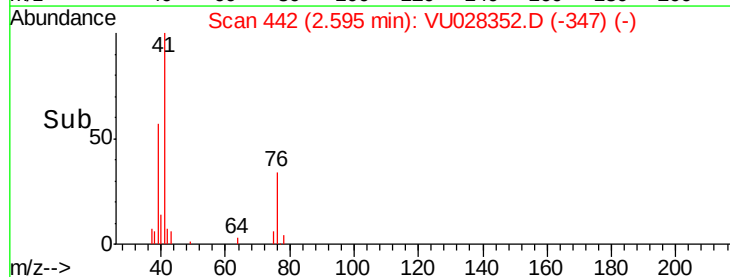
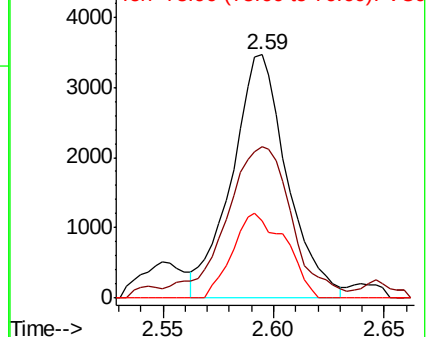
76 33.4 24.4 36.6

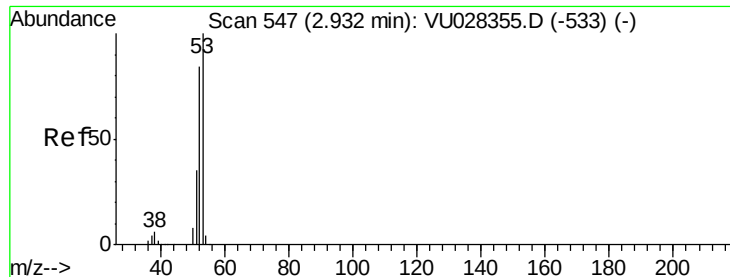


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

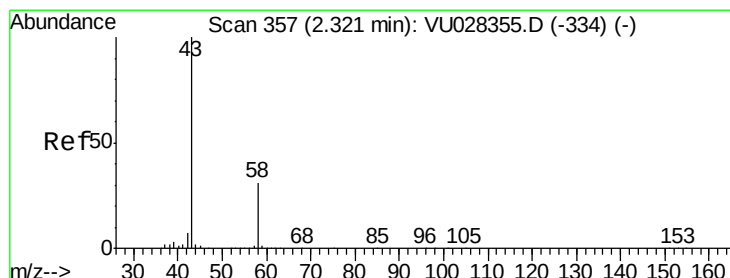
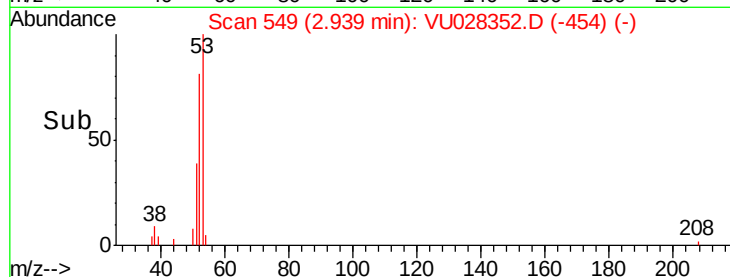
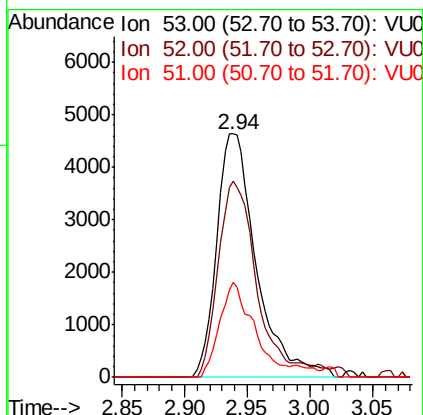
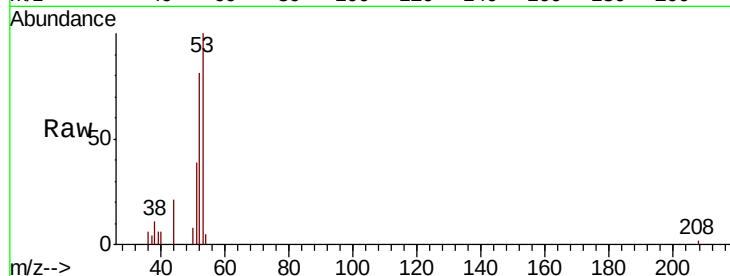




#15
Acrylonitrile
Concen: 4.507 ug/l
RT: 2.94 min Scan# 549
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

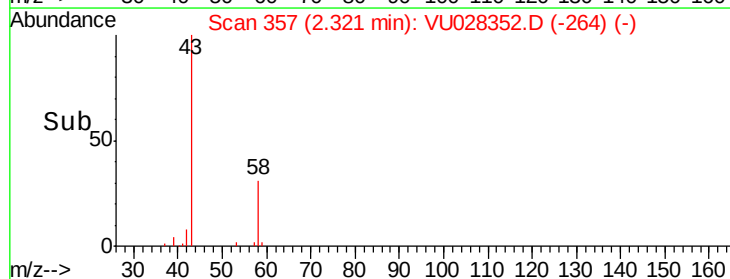
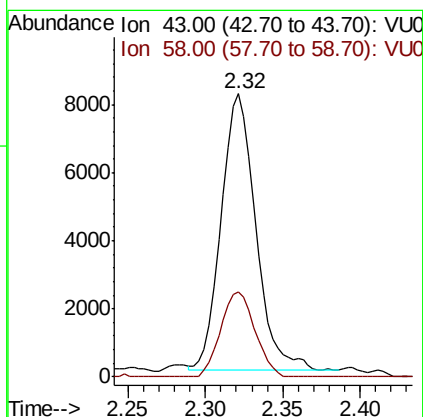
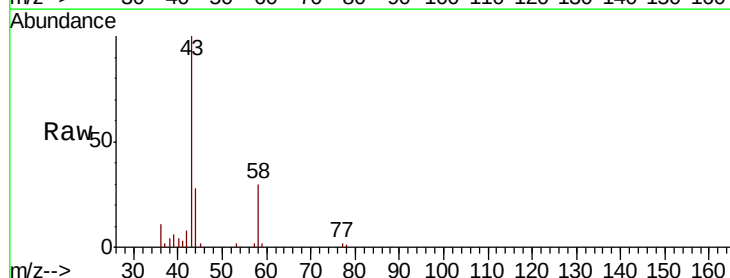
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

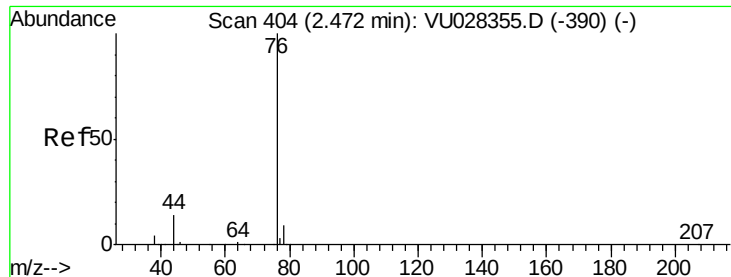
Tgt Ion: 53 Resp: 10186
Ion Ratio Lower Upper
53 100
52 77.4 65.7 98.5
51 36.4 27.8 41.6



#16
Acetone
Concen: 5.465 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 43 Resp: 12572
Ion Ratio Lower Upper
43 100
58 30.6 24.4 36.6





#17

Carbon Disulfide

Concen: 1.127 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

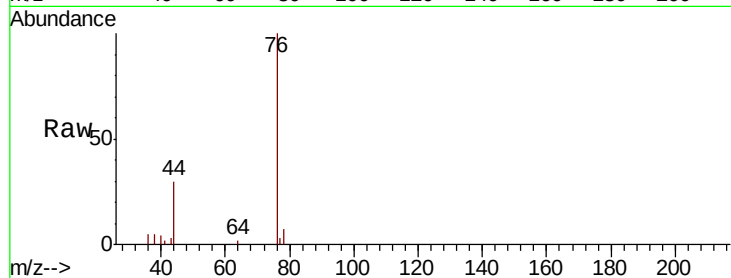
VSTDIC001

Tgt Ion: 76 Resp: 10402

Ion Ratio Lower Upper

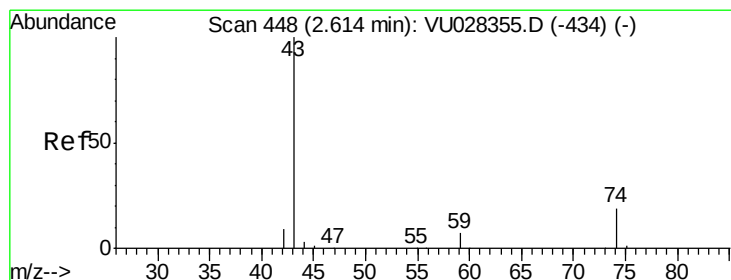
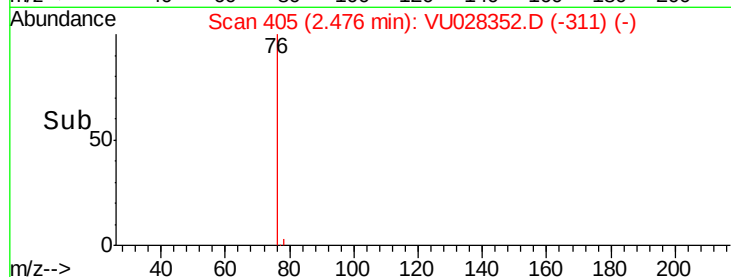
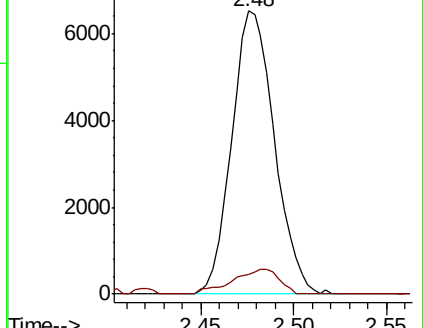
76 100

78 7.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU028352.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU028352.D (-311) (-)



#18

Methyl Acetate

Concen: 0.991 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028352.D

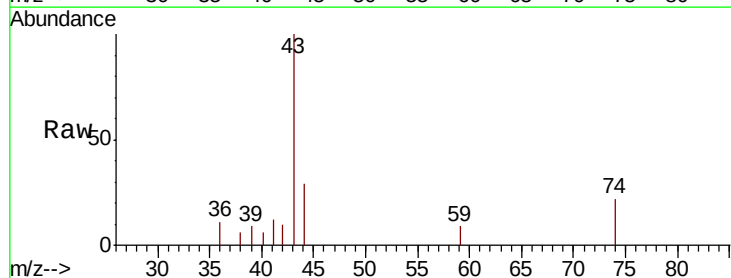
Acq: 28 Nov 2018 09:11

Tgt Ion: 43 Resp: 6349

Ion Ratio Lower Upper

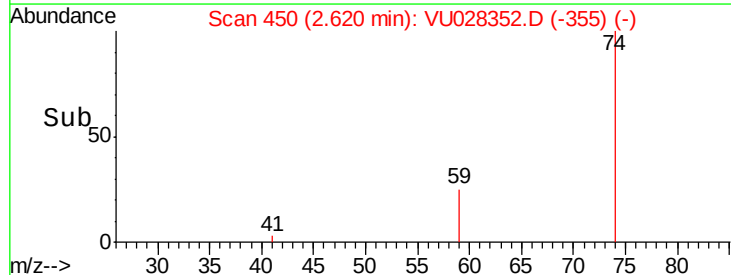
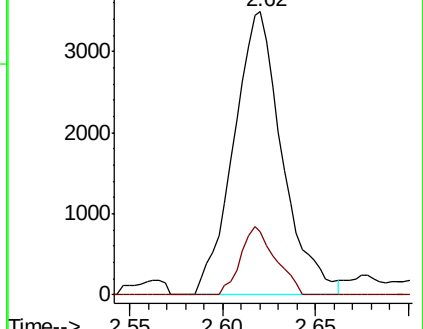
43 100

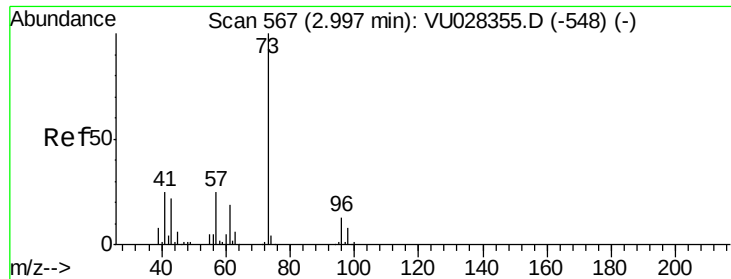
74 17.2 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028352.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028352.D (-355) (-)





#19

Methyl tert-butyl Ether

Concen: 0.969 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

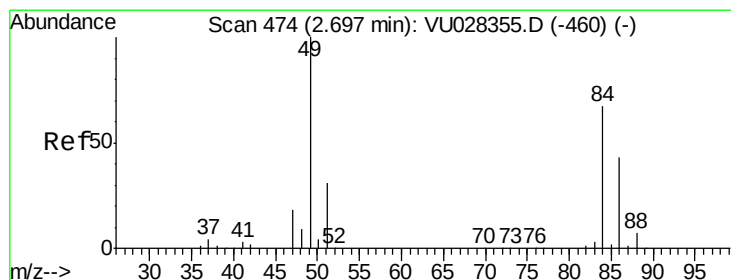
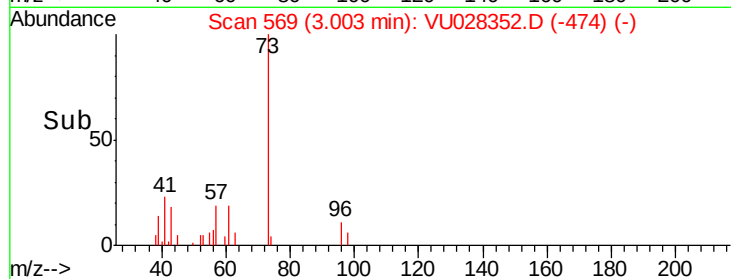
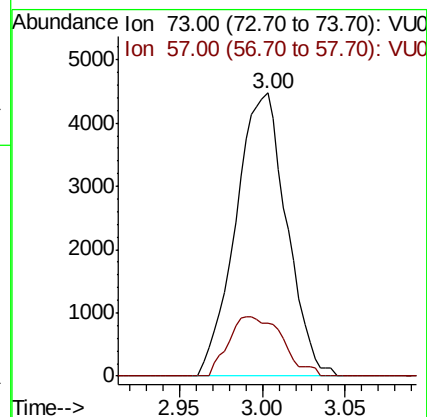
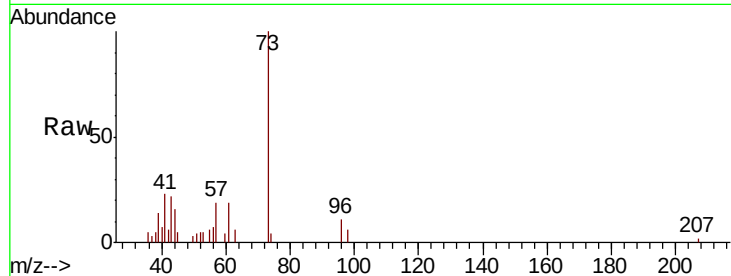
VSTDIC001

Tgt Ion: 73 Resp: 9549

Ion Ratio Lower Upper

73 100

57 18.9 20.1 30.1#



#20

Methylene Chloride

Concen: 1.395 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion: 84 Resp: 4965

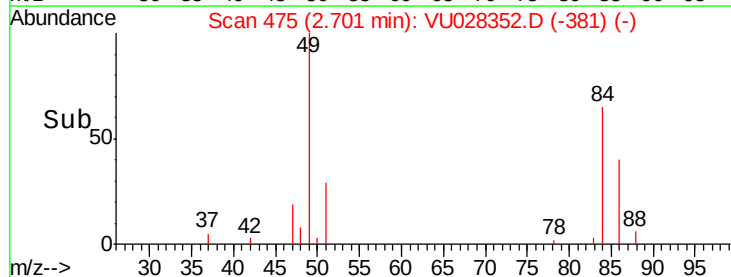
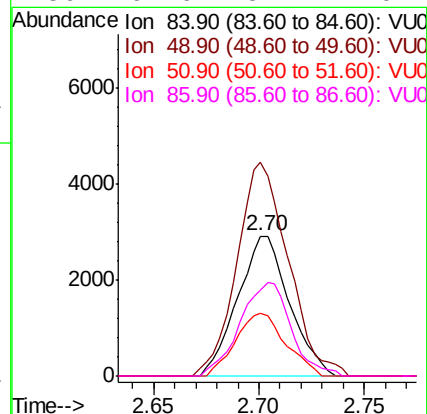
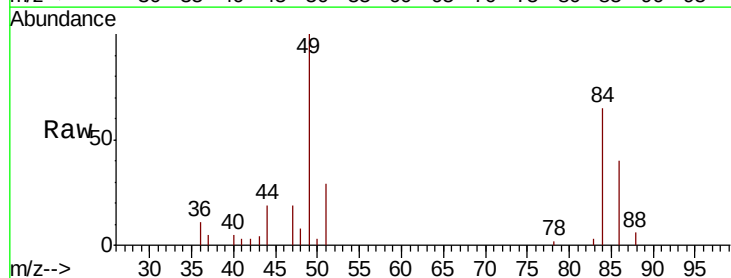
Ion Ratio Lower Upper

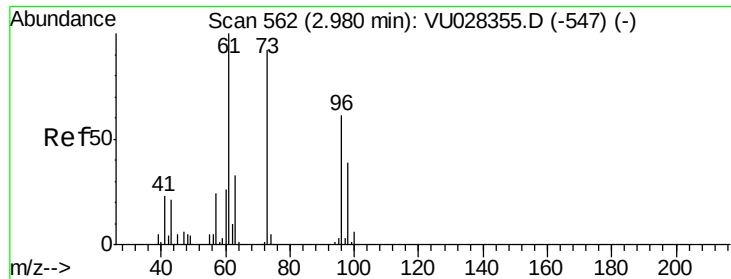
84 100

49 152.8 120.0 180.0

51 45.0 36.9 55.3

86 61.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 1.010 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

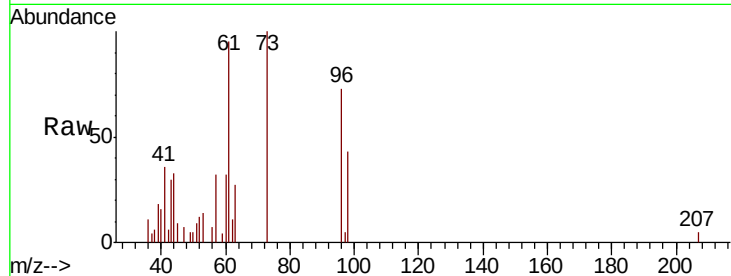
Tgt Ion: 96 Resp: 2816

Ion Ratio Lower Upper

96 100

61 130.1 131.1 196.7#

98 58.9 51.7 77.5

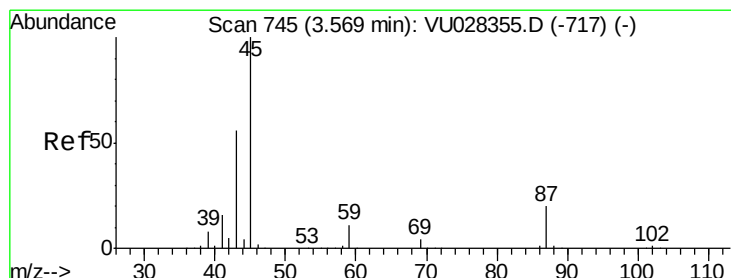
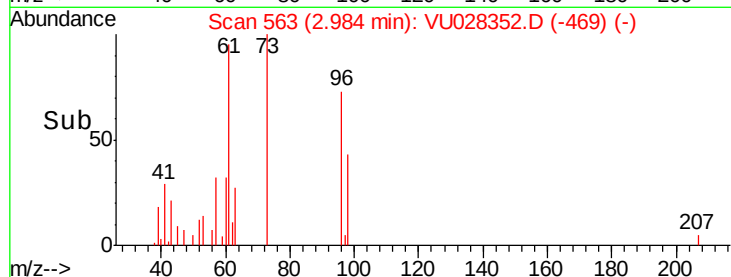
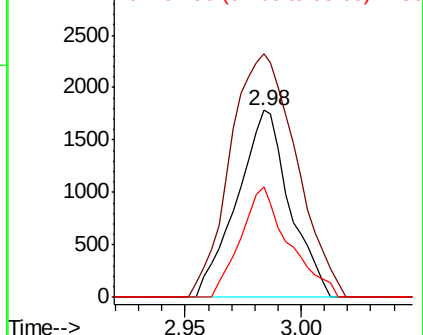


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 0.411 ug/l

RT: 3.57 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion: 45 Resp: 5074

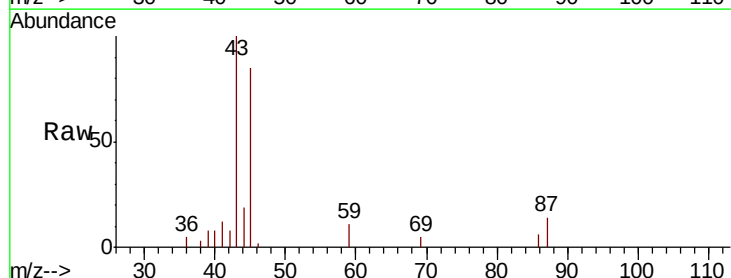
Ion Ratio Lower Upper

45 100

43 15.8 44.8 67.2#

87 16.8 16.3 24.5

59 13.3 8.6 12.8#



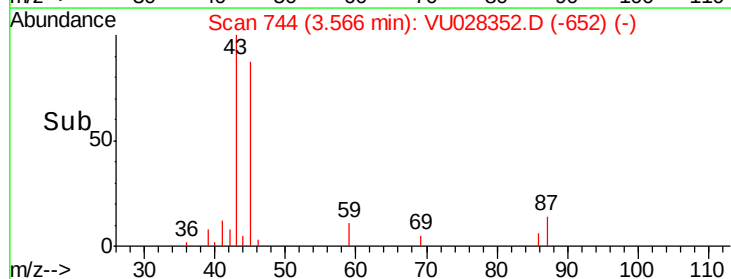
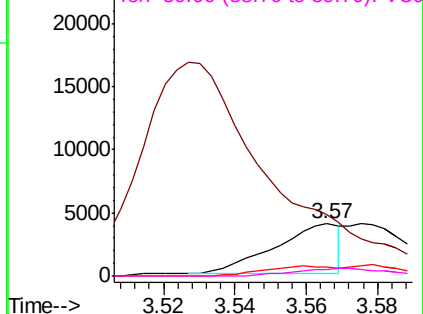
Abundance

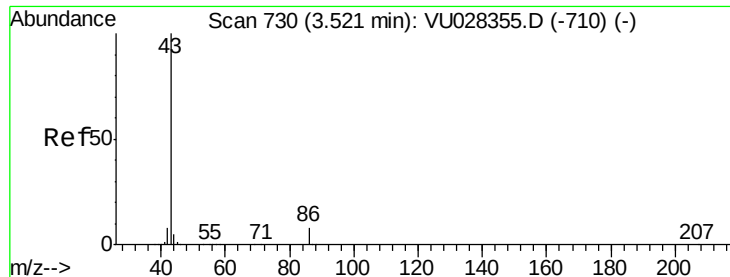
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 4.394 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

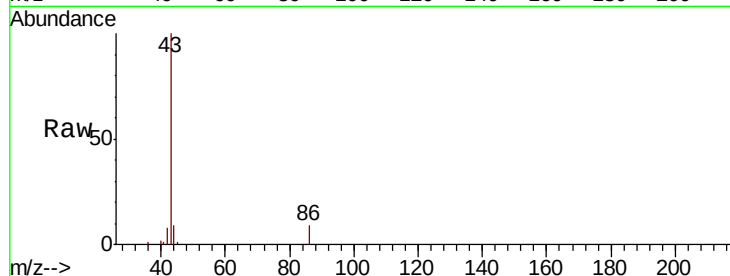
VSTDIC001

Tgt Ion: 43 Resp: 45166

Ion Ratio Lower Upper

43 100

86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028352.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028352.D (-637) (-)

3.53

15000

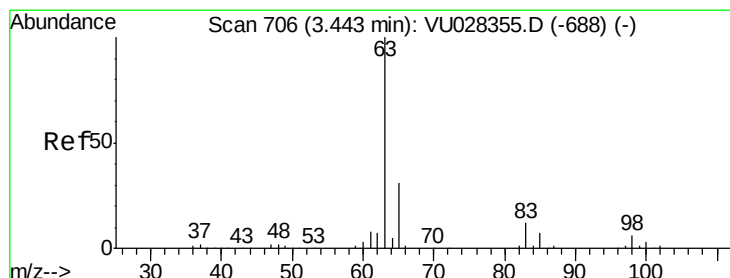
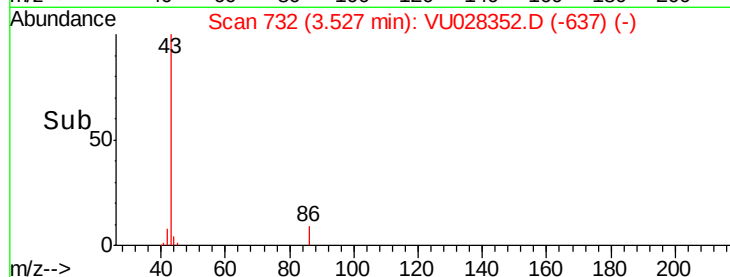
10000

5000

0

Time-->

3.50 3.60



#24

1,1-Dichloroethane

Concen: 0.850 ug/l

RT: 3.44 min Scan# 704

Delta R.T. -0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

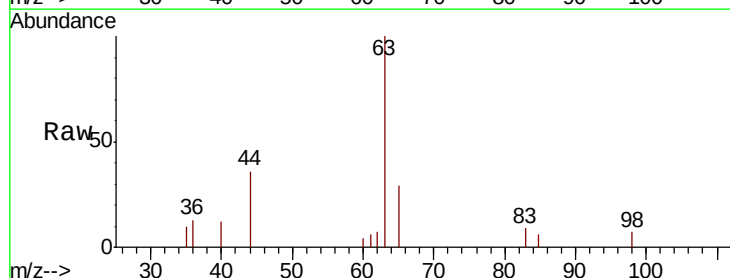
Tgt Ion: 63 Resp: 5184

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.6

100 0.0 1.7 5.1#



Abundance Ion 62.90 (62.60 to 63.60): VU028352.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028352.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028352.D (-613) (-)

3.44

3000

2500

2000

1500

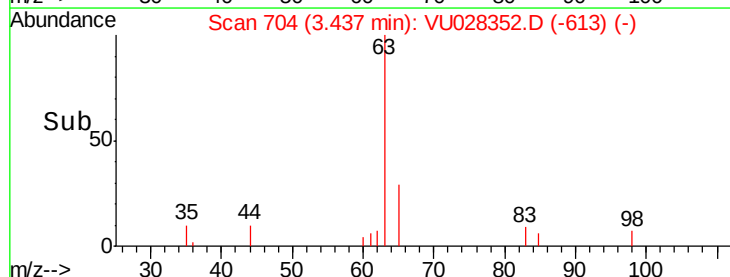
1000

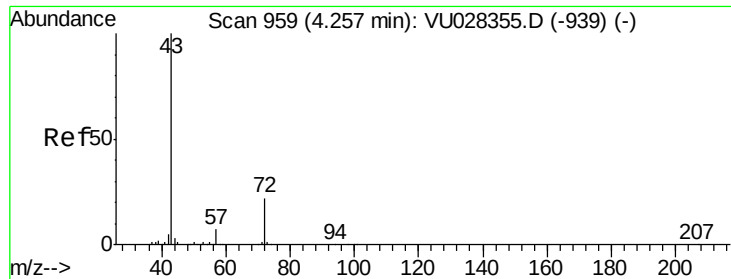
500

0

Time-->

3.40 3.45 3.50





#25

2-Butanone

Concen: 4.652 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.02 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

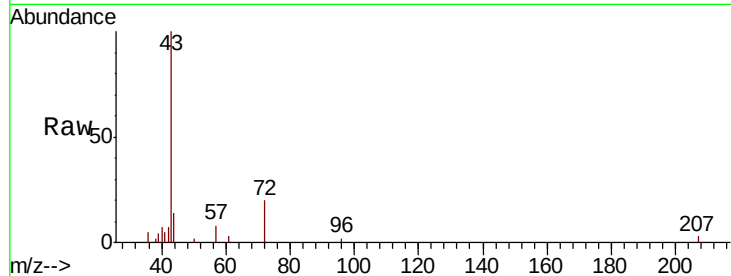
VSTDIC001

Tgt Ion: 43 Resp: 15337

Ion Ratio Lower Upper

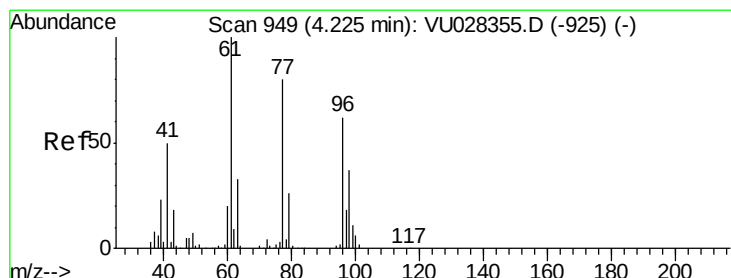
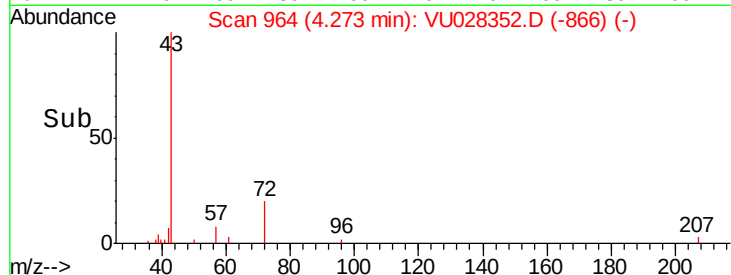
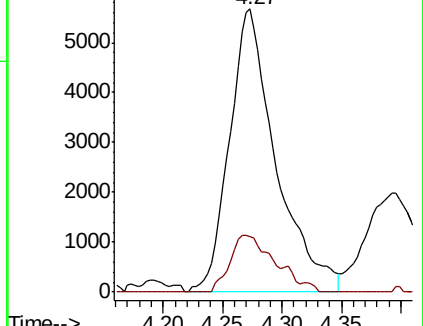
43 100

72 19.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-939) (-)

Ion 72.00 (71.70 to 72.70): VU028355.D (-939) (-)



#26

2,2-Dichloropropane

Concen: 0.999 ug/l

RT: 4.22 min Scan# 946

Delta R.T. -0.01 min

Lab File: VU028352.D

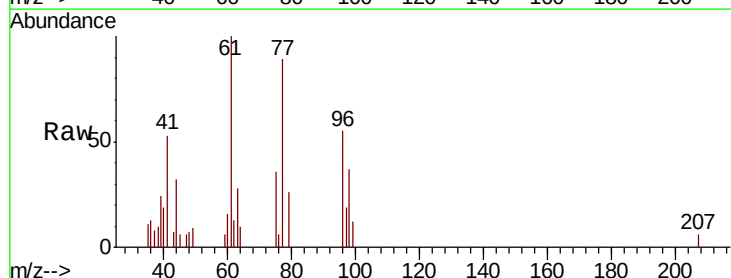
Acq: 28 Nov 2018 09:11

Tgt Ion: 77 Resp: 4835

Ion Ratio Lower Upper

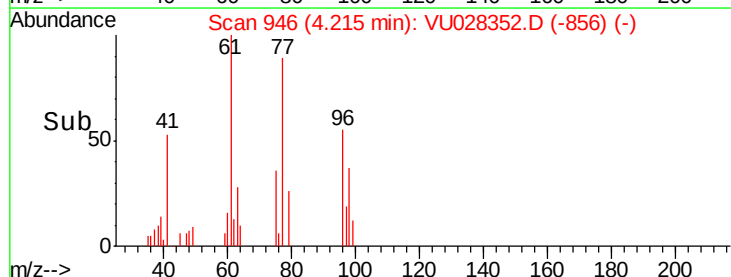
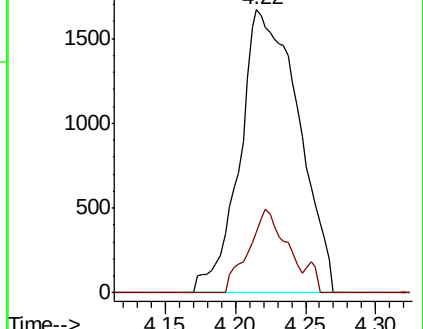
77 100

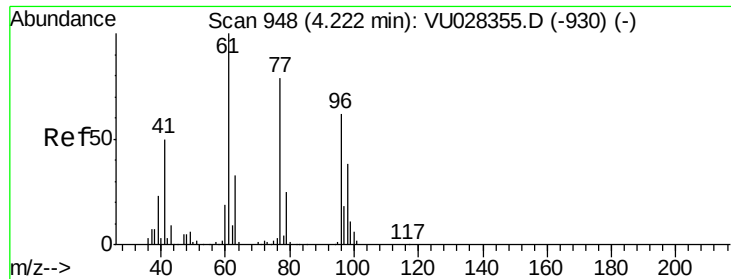
97 19.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU028355.D (-925) (-)

Ion 96.90 (96.60 to 97.60): VU028355.D (-925) (-)



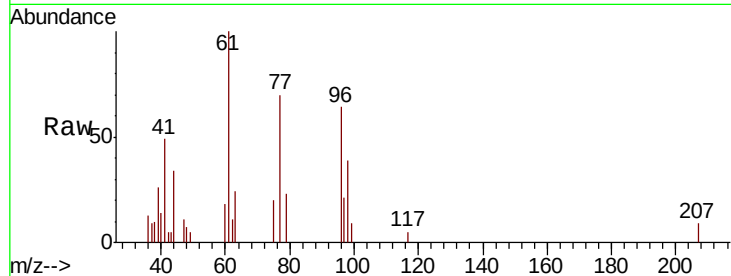


#27

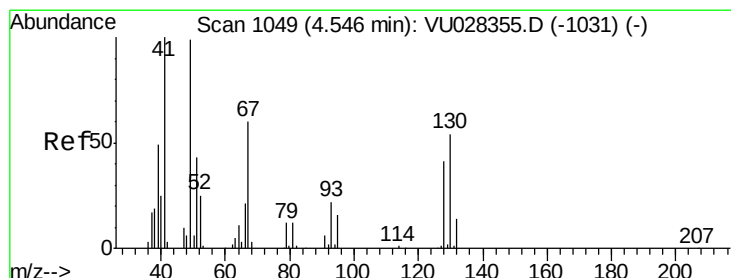
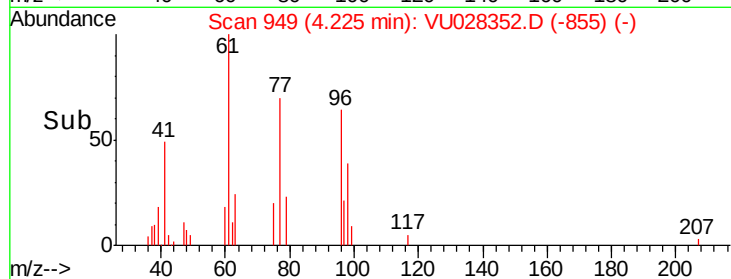
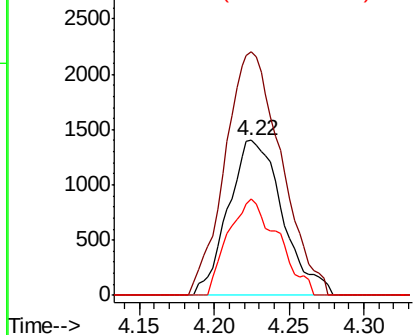
cis-1,2-Dichloroethene
 Concen: 1.070 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 96 Resp: 3529
 Ion Ratio Lower Upper
 96 100
 61 162.9 0.0 342.0
 98 57.7 0.0 126.4



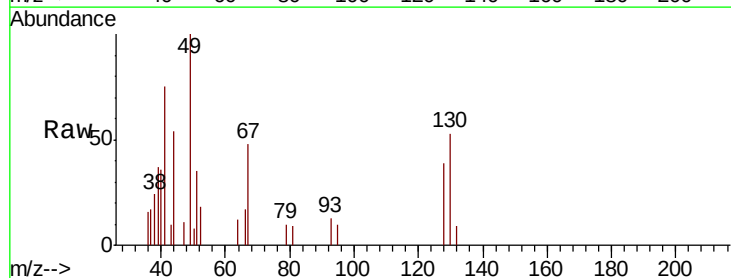
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



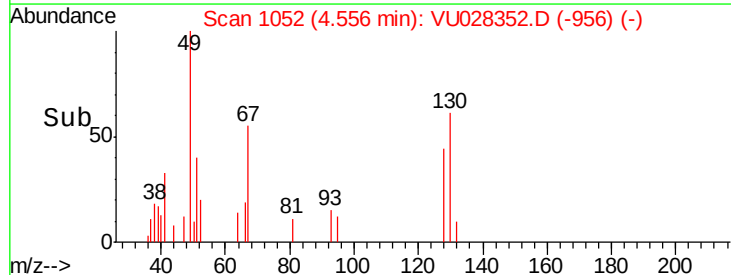
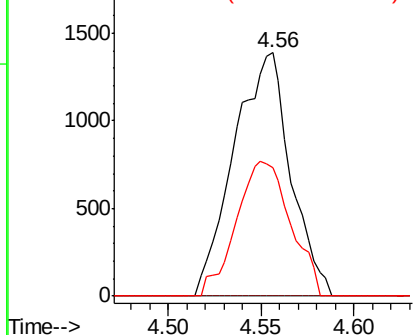
#28

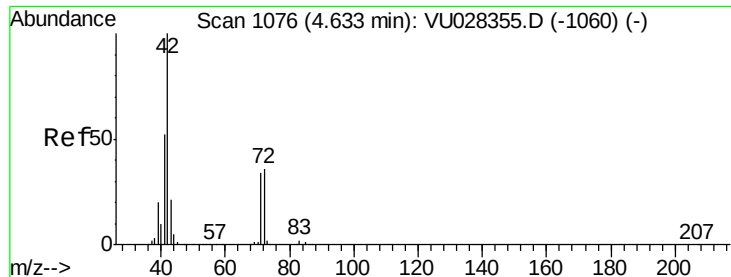
Bromochloromethane
 Concen: 0.966 ug/l
 RT: 4.56 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 49 Resp: 2945
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.6
 130 53.0 44.5 66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 4.212 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

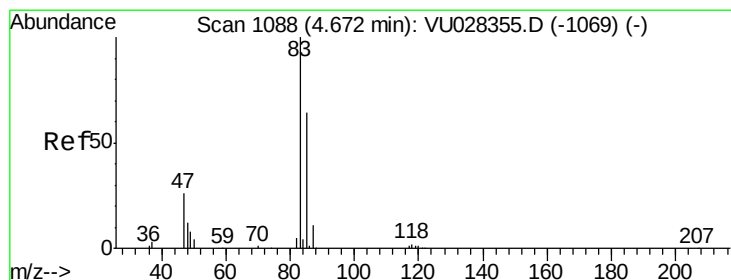
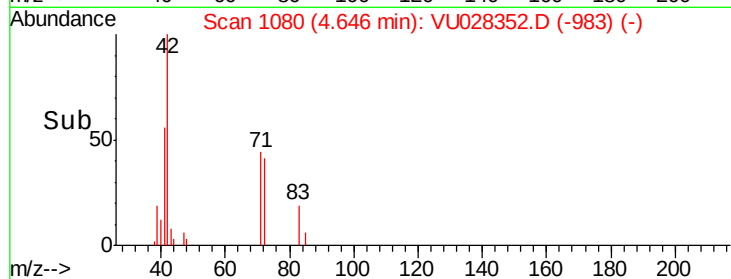
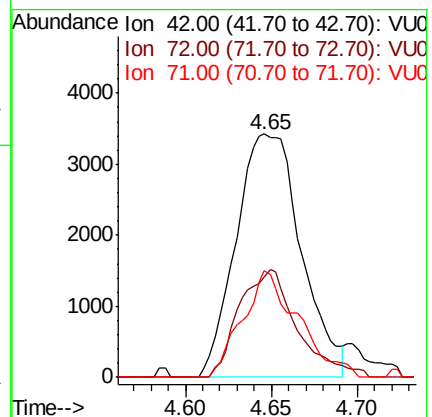
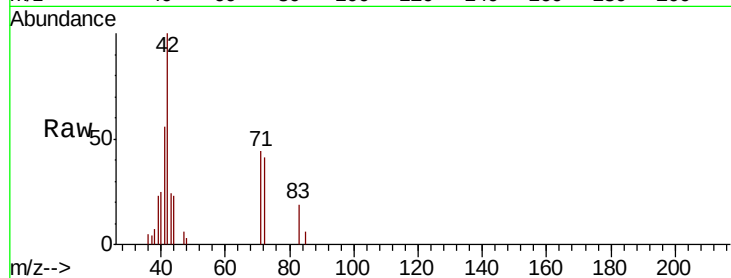
Tgt Ion: 42 Resp: 9016

Ion Ratio Lower Upper

42 100

72 39.4 29.5 44.3

71 37.5 27.7 41.5



#30

Chloroform

Concen: 1.054 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028352.D

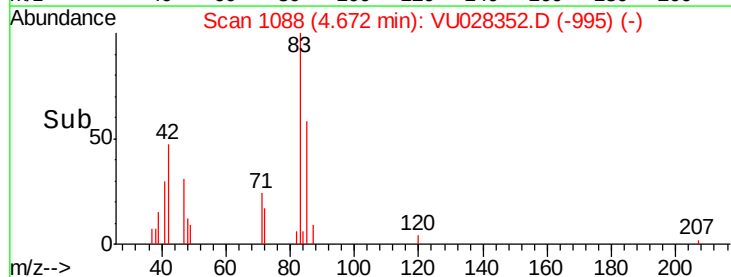
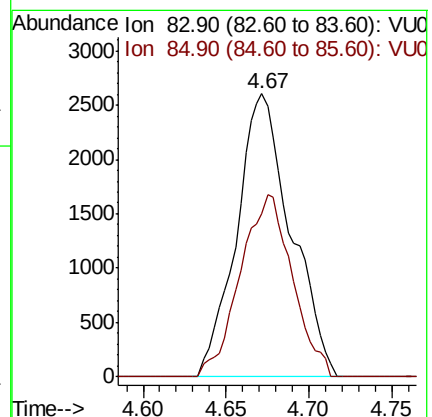
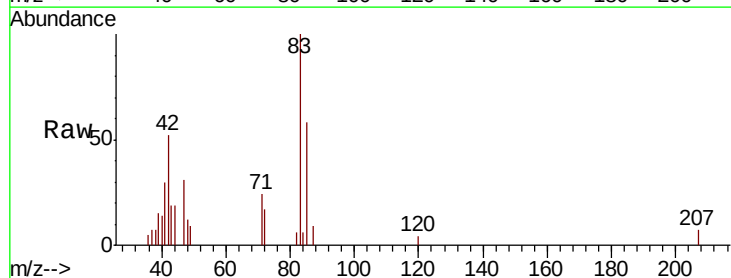
Acq: 28 Nov 2018 09:11

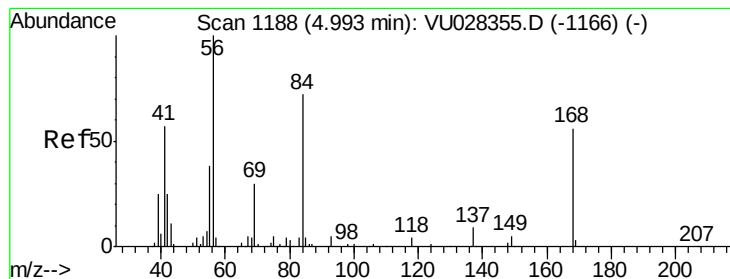
Tgt Ion: 83 Resp: 5931

Ion Ratio Lower Upper

83 100

85 57.6 51.2 76.8





#31

Cyclohexane

Concen: 1.549 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

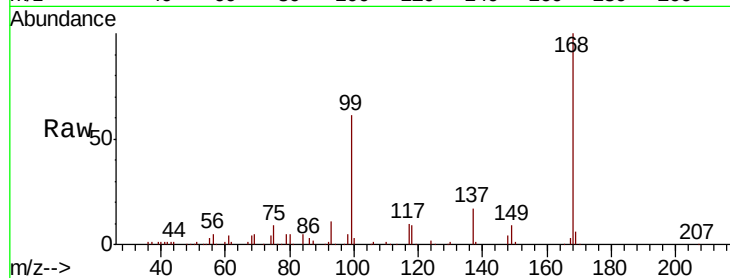
Tgt Ion: 56 Resp: 11212

Ion Ratio Lower Upper

56 100

69 94.0 23.7 35.5#

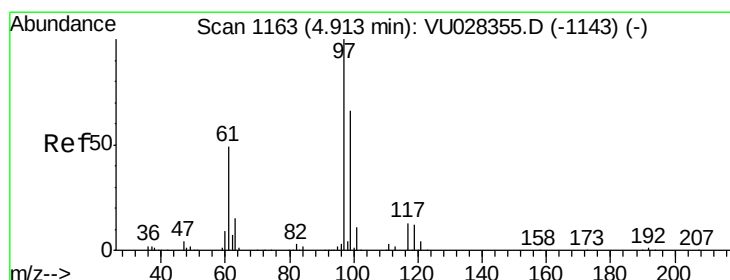
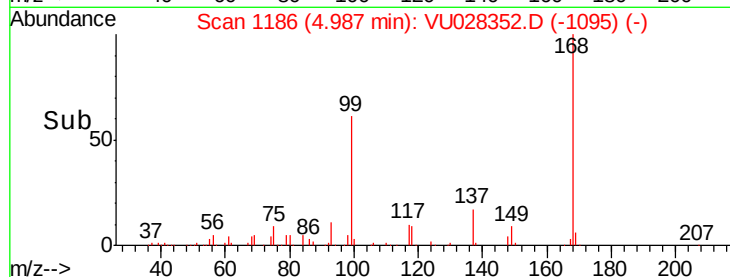
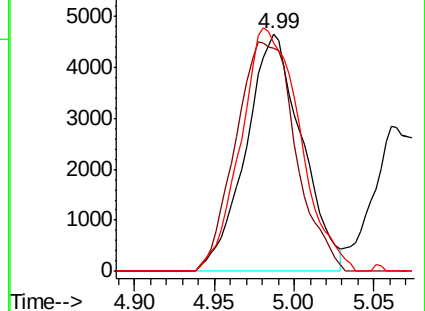
84 96.2 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 0.918 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

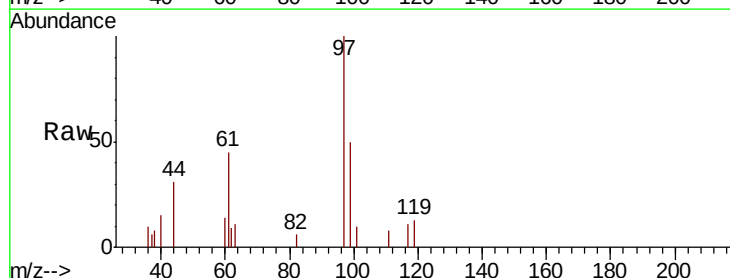
Tgt Ion: 97 Resp: 4144

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

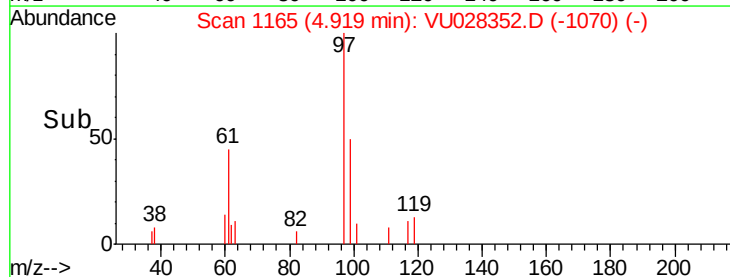
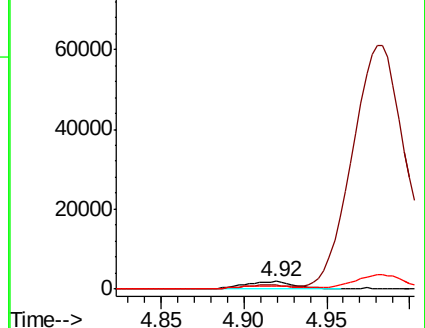
61 49.4 39.1 58.7

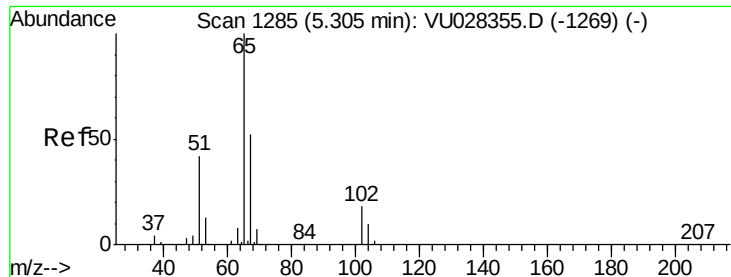


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

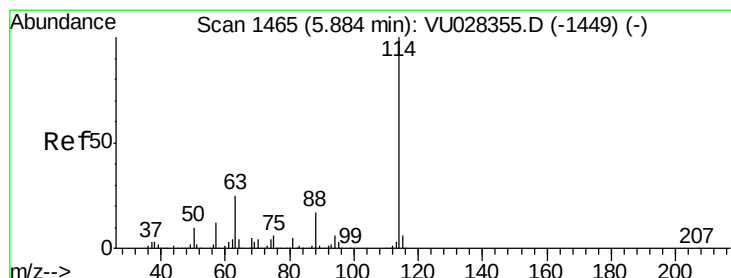
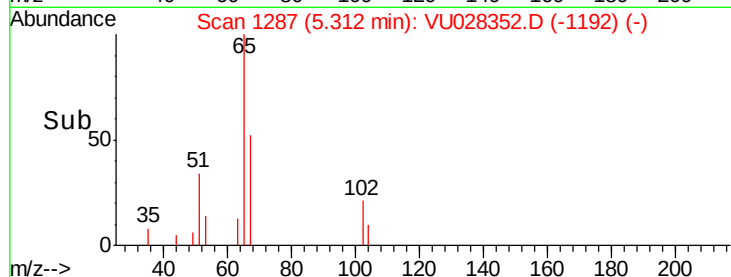
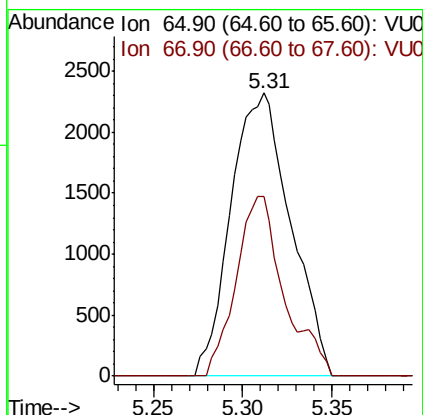
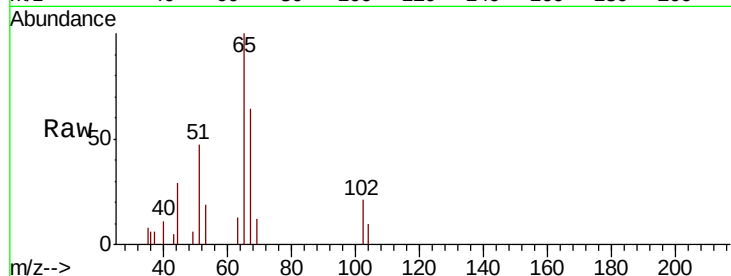




#33
 1,2-Dichloroethane-d4
 Concen: 1.441 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

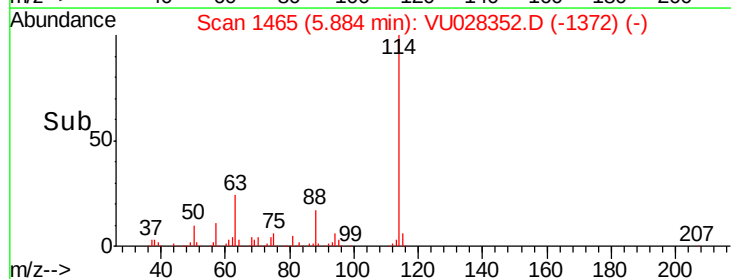
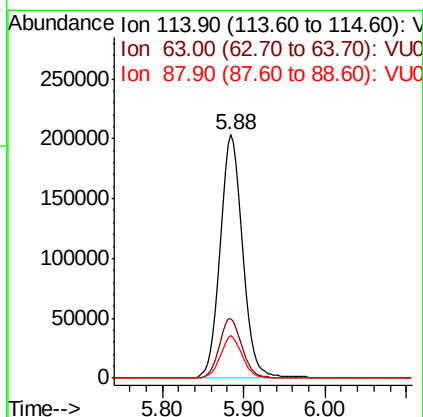
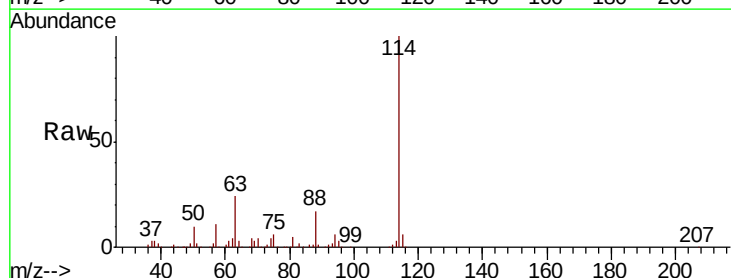
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

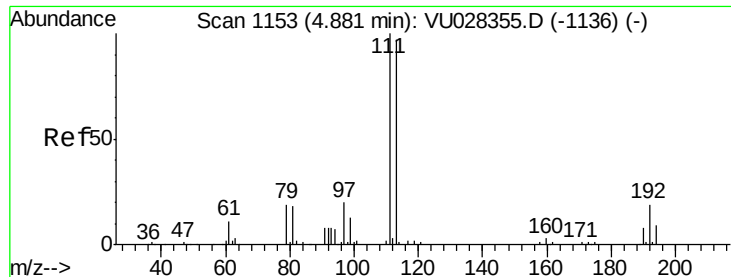
Tgt Ion: 65 Resp: 5418
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 114 Resp: 398782
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.0
 88 17.4 0.0 34.4

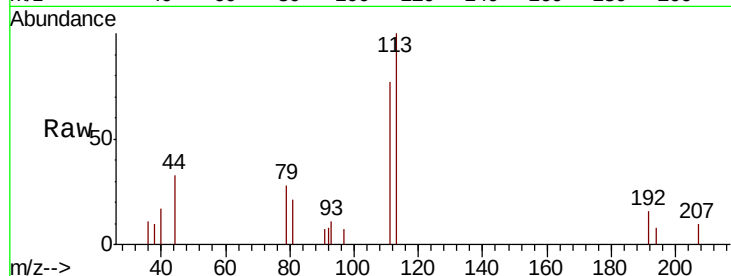




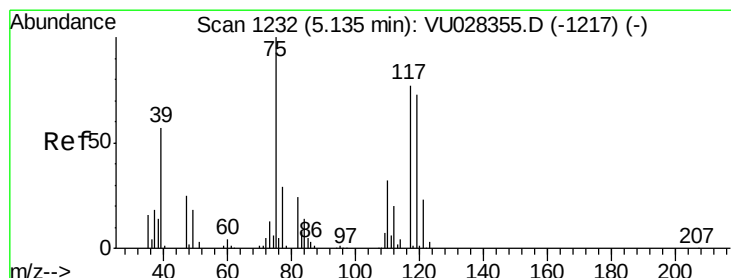
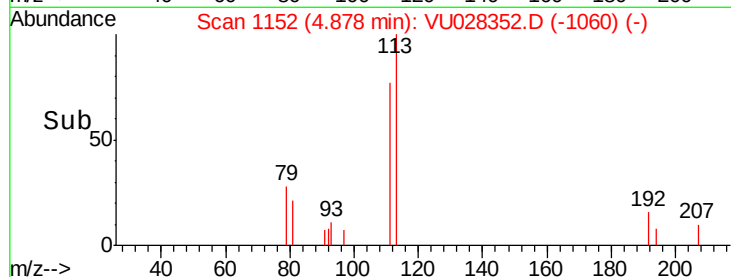
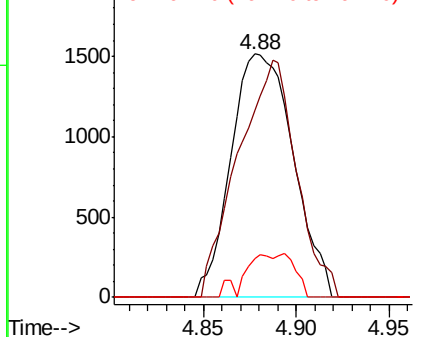
#35
Dibromofluoromethane
Concen: 1.338 ug/l
RT: 4.88 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 113 Resp: 3549
Ion Ratio Lower Upper
113 100
111 91.0 82.9 124.3
192 7.2 15.4 23.0#

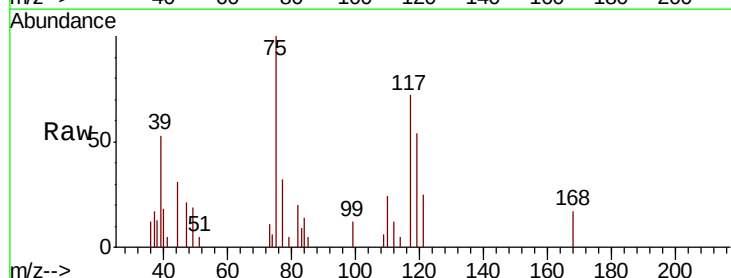


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

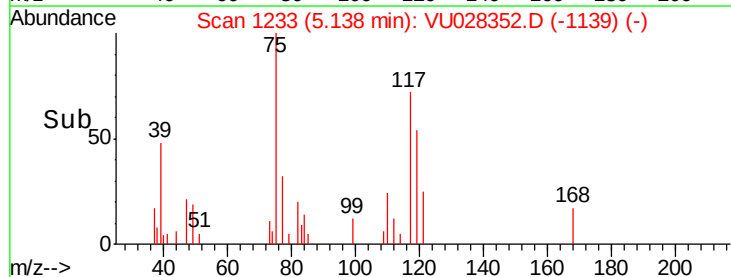
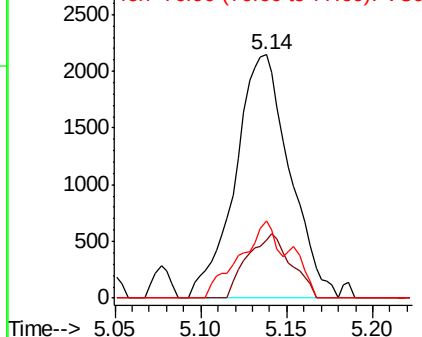


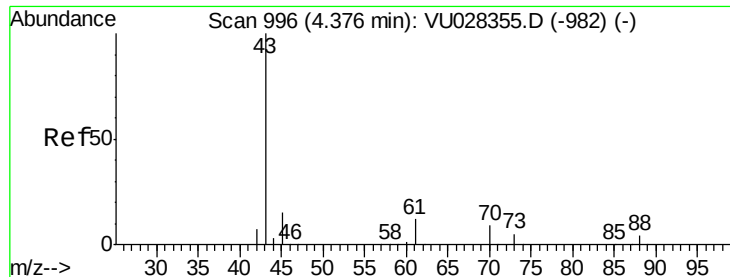
#36
1,1-Dichloropropene
Concen: 1.081 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 75 Resp: 4718
Ion Ratio Lower Upper
75 100
110 21.2 15.8 47.4
77 22.3 24.6 36.8#



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

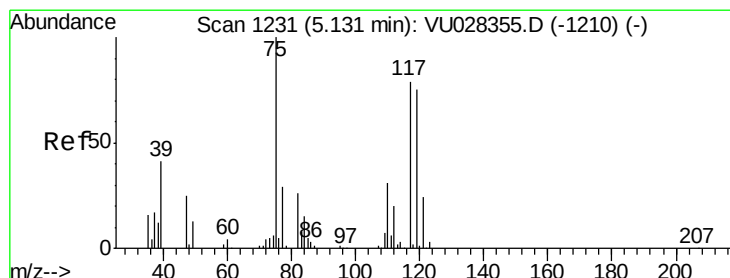
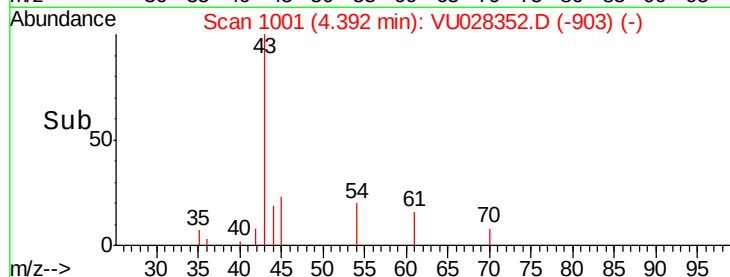
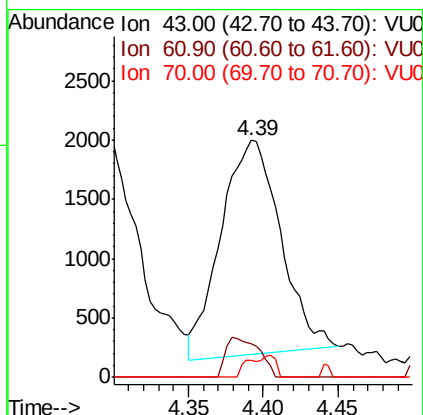
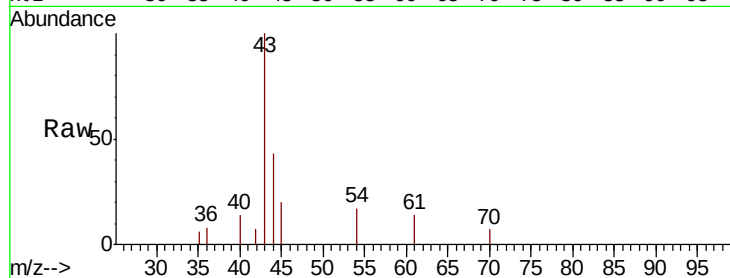




#37
Ethyl Acetate
Concen: 0.843 ug/l
RT: 4.39 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

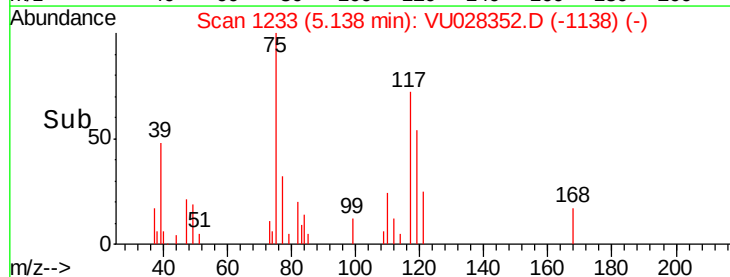
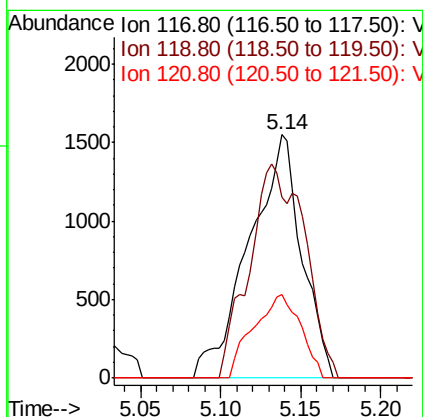
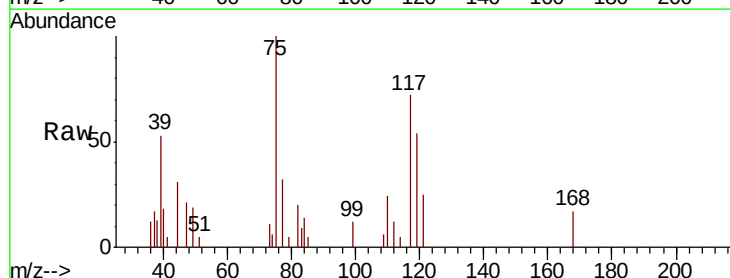
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

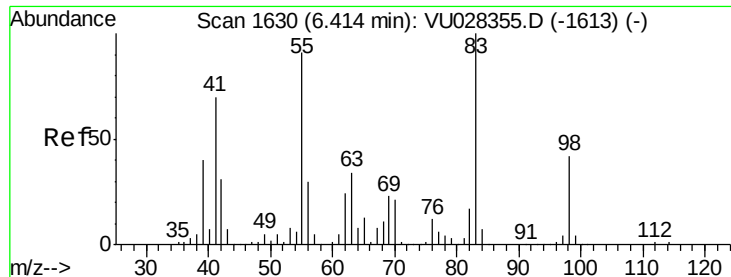
Tgt Ion: 43 Resp: 5013
Ion Ratio Lower Upper
43 100
61 10.4 10.2 15.4
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 0.973 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 117 Resp: 3486
Ion Ratio Lower Upper
117 100
119 74.5 76.3 114.5#
121 34.2 24.7 37.1

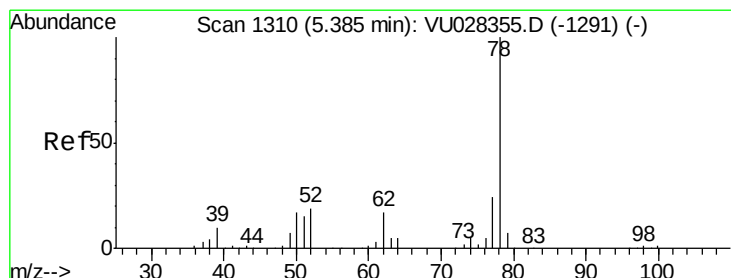
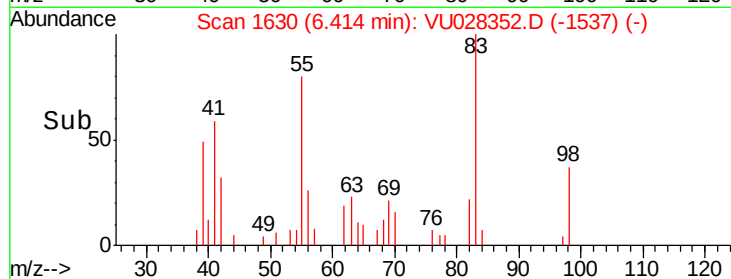
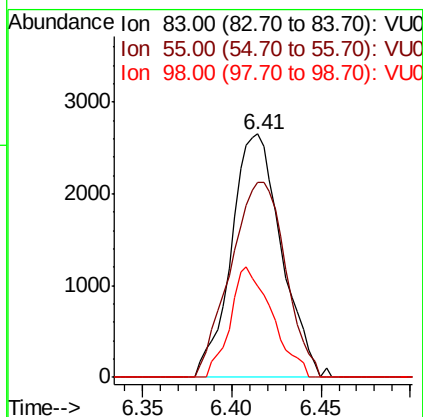
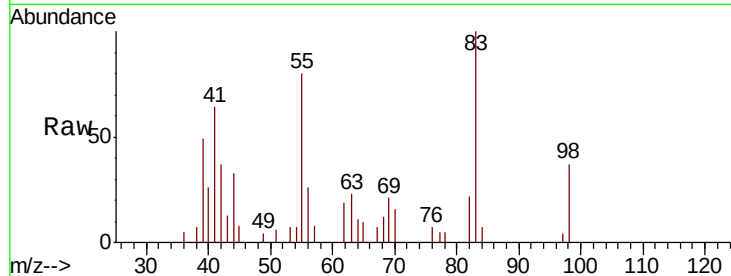




#39
Methylcyclohexane
Concen: 1.005 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

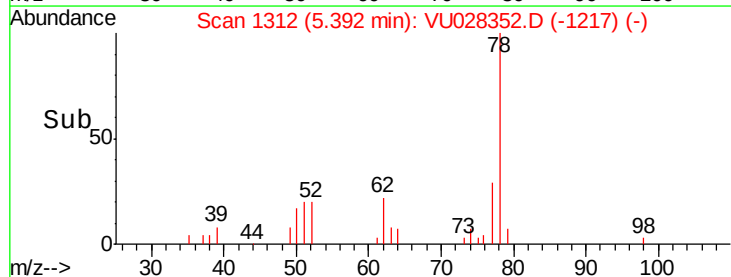
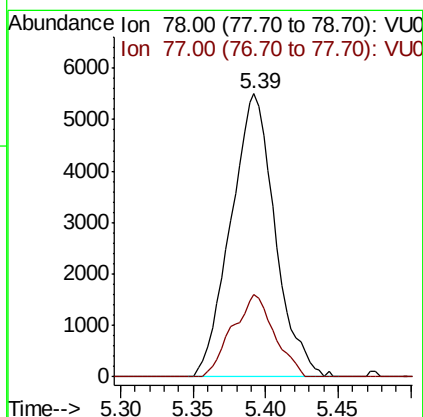
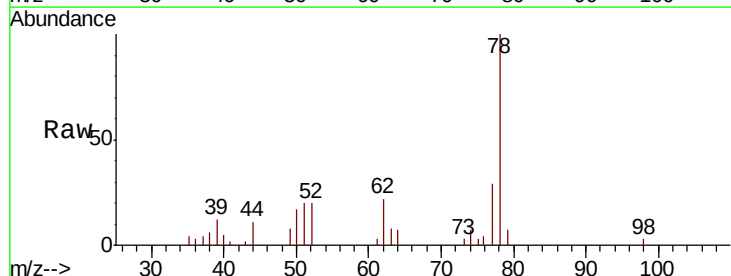
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

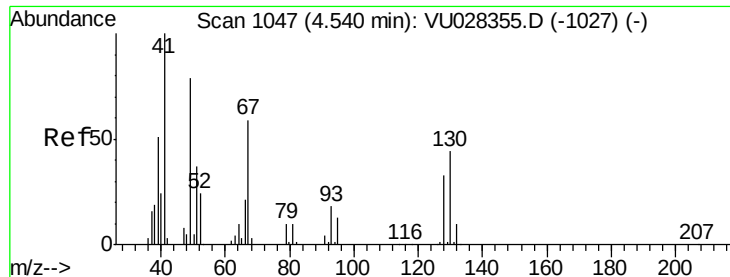
Tgt Ion: 83 Resp: 5172
Ion Ratio Lower Upper
83 100
55 80.2 73.1 109.7
98 37.3 33.9 50.9



#40
Benzene
Concen: 0.905 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 78 Resp: 11695
Ion Ratio Lower Upper
78 100
77 29.1 19.0 28.6#

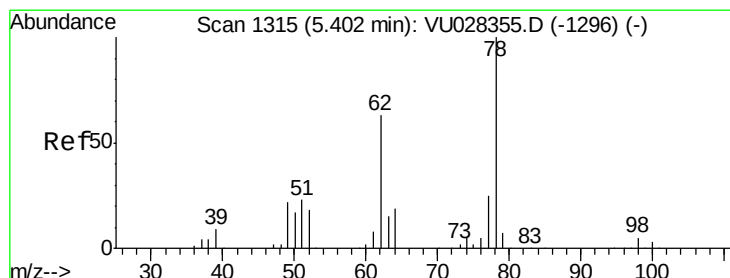
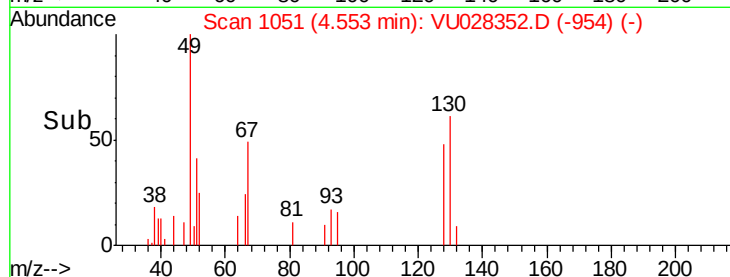
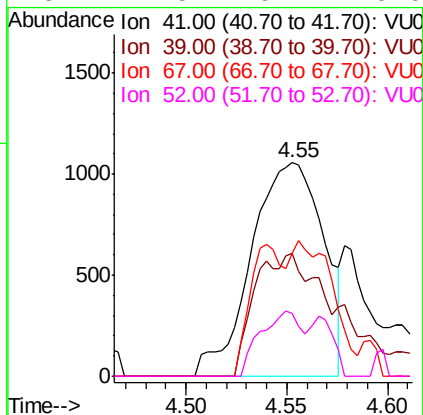
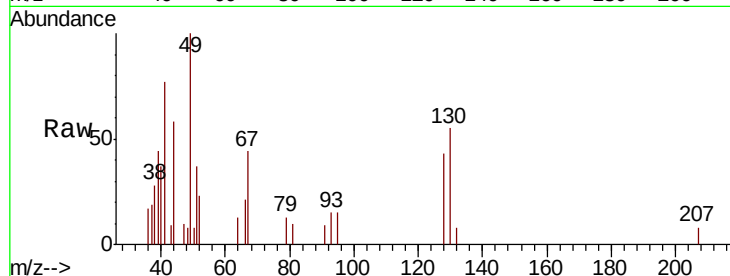




#41
Methacrylonitrile
Concen: 0.795 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

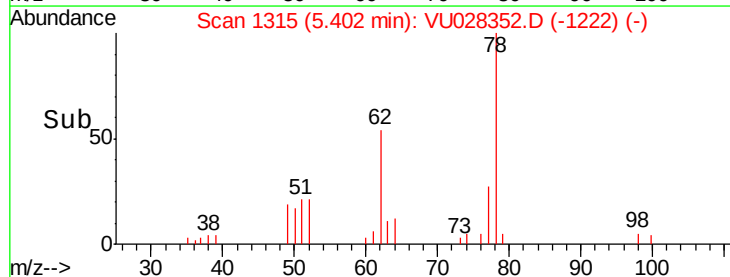
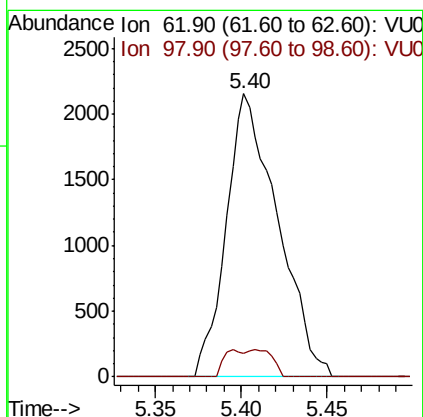
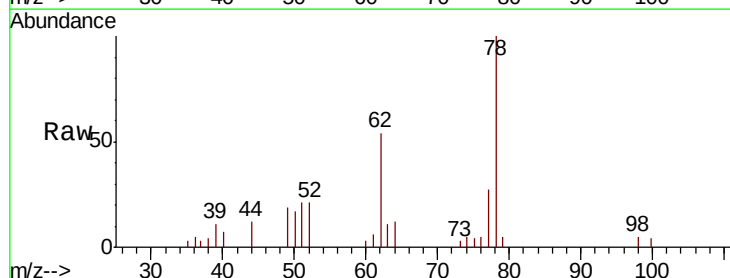
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

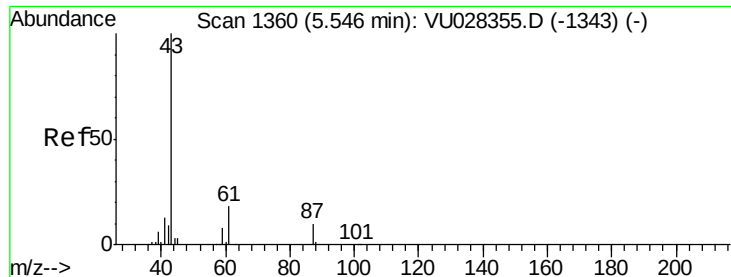
Tgt Ion: 41 Resp: 2627
Ion Ratio Lower Upper
41 100
39 22.3 41.3 61.9#
67 29.4 48.6 73.0#
52 17.5 19.4 29.0#



#42
1,2-Dichloroethane
Concen: 0.959 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 62 Resp: 4467
Ion Ratio Lower Upper
62 100
98 3.9 0.0 15.4





#43

Isopropyl Acetate

Concen: 0.906 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

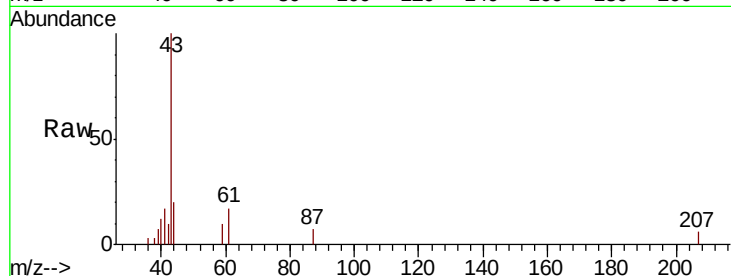
Tgt Ion: 43 Resp: 8536

Ion Ratio Lower Upper

43 100

61 14.6 14.5 21.7

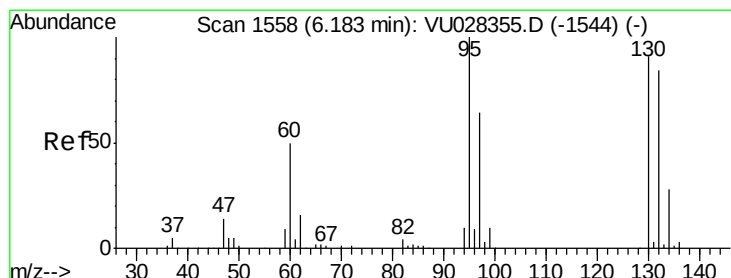
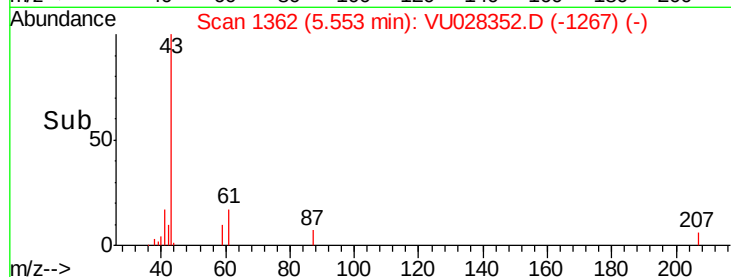
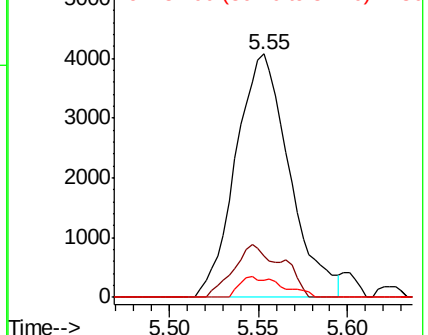
87 6.8 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU028352.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028352.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028352.D (-1267) (-)



#44

Trichloroethene

Concen: 0.951 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028352.D

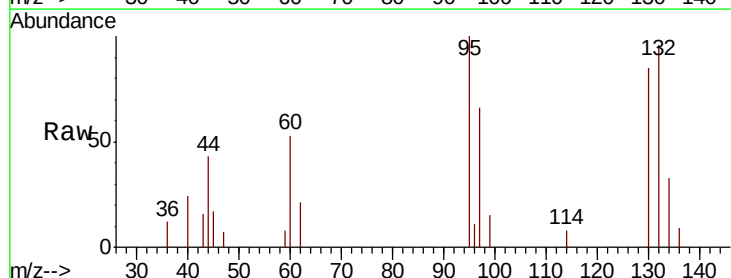
Acq: 28 Nov 2018 09:11

Tgt Ion: 130 Resp: 2634

Ion Ratio Lower Upper

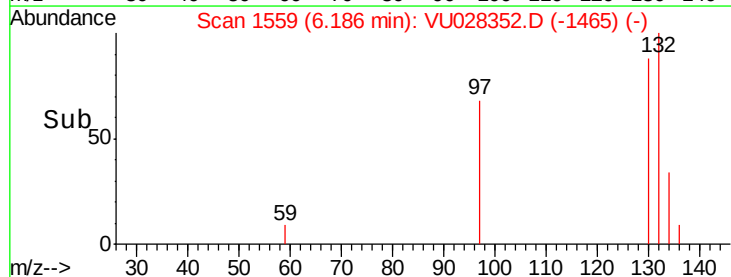
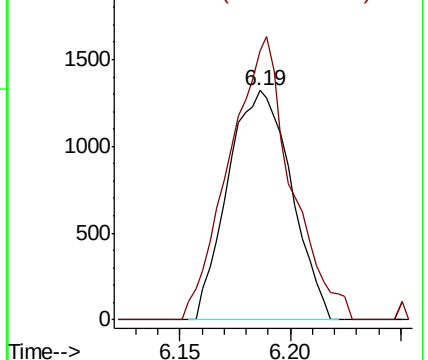
130 100

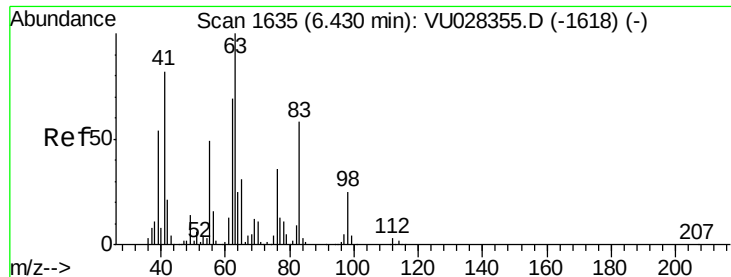
95 109.7 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028352.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU028352.D (-1465) (-)

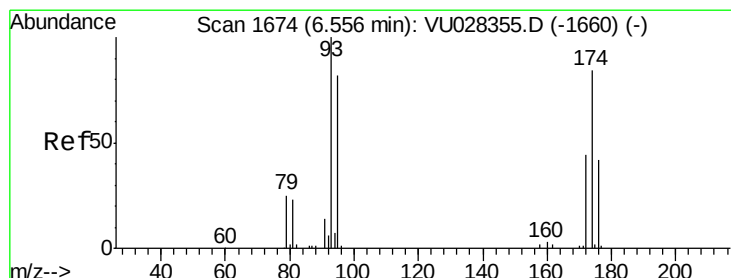
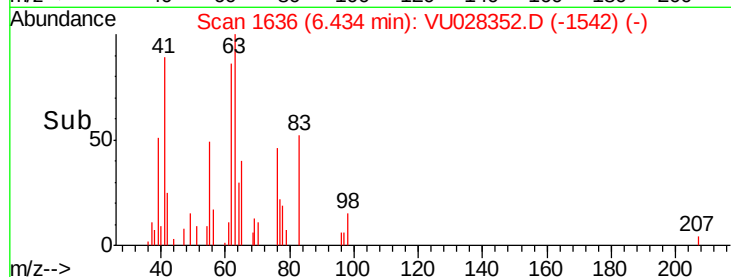
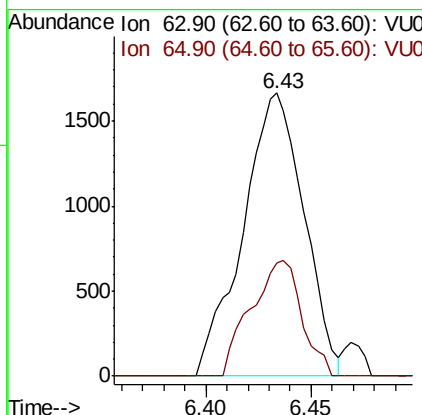
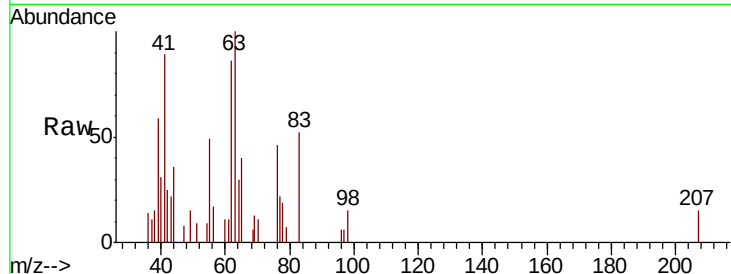




#45
 1,2-Dichloropropane
 Concen: 0.883 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

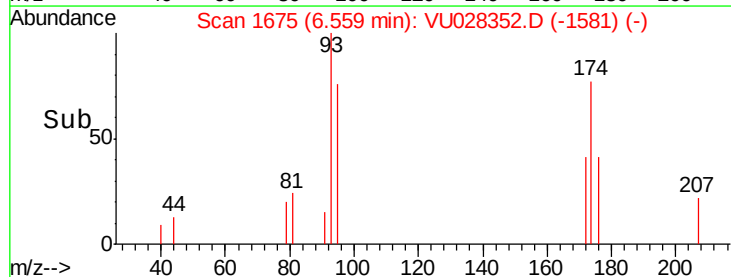
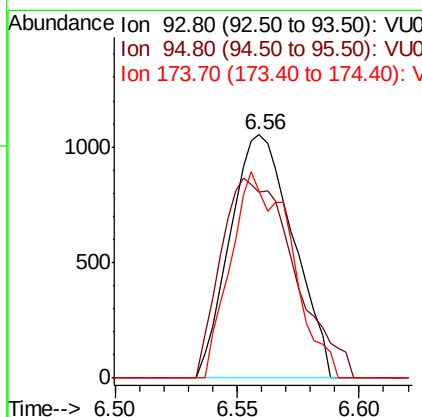
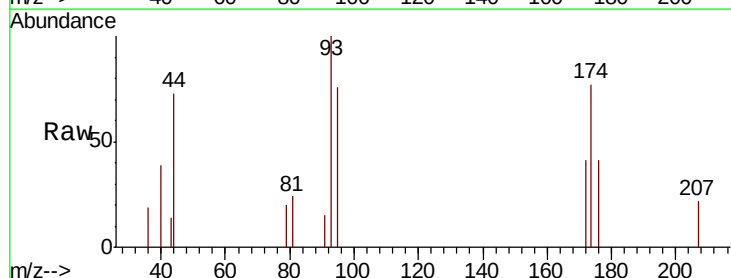
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

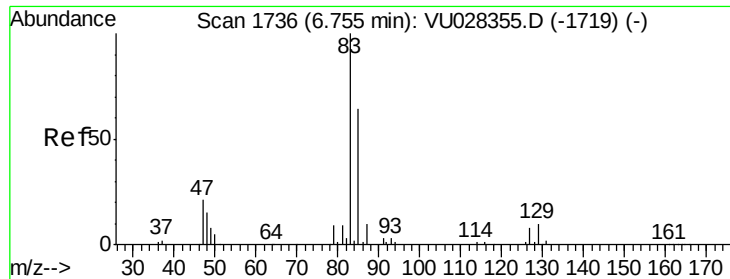
Tgt Ion: 63 Resp: 3343
 Ion Ratio Lower Upper
 63 100
 65 39.8 25.1 37.7#



#46
 Dibromomethane
 Concen: 0.869 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 93 Resp: 1889
 Ion Ratio Lower Upper
 93 100
 95 95.8 65.1 97.7
 174 81.4 69.9 104.9

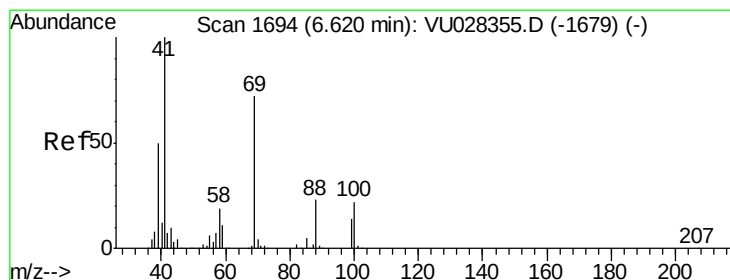
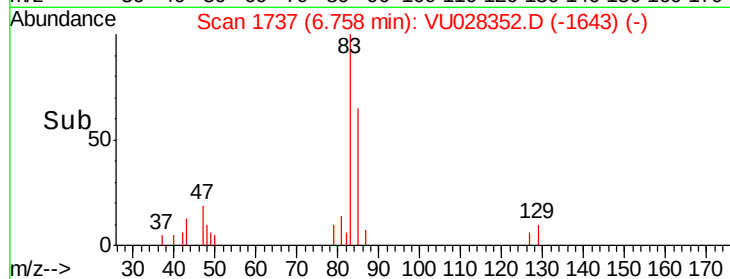
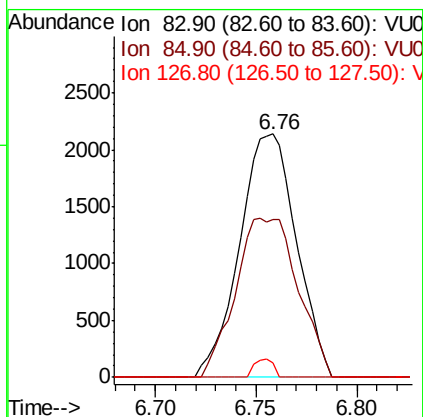
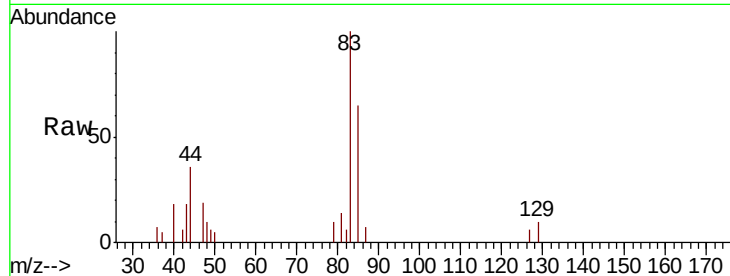




#47
 Bromodichloromethane
 Concen: 0.973 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

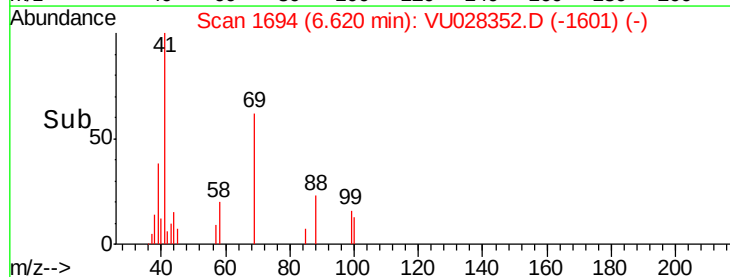
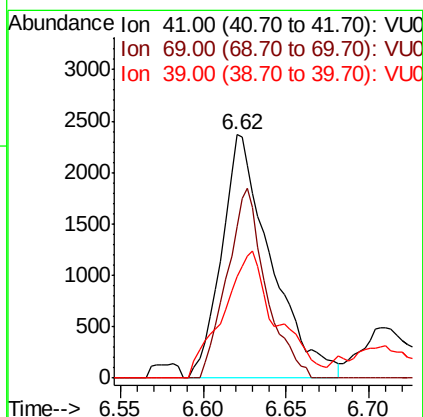
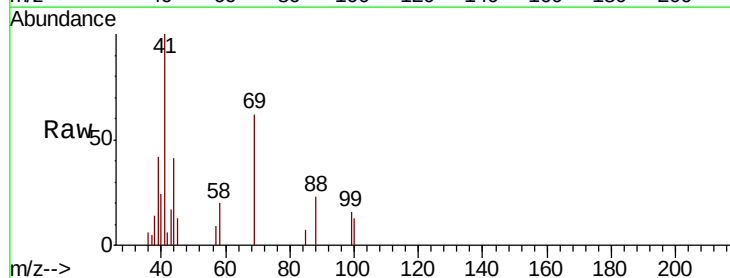
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

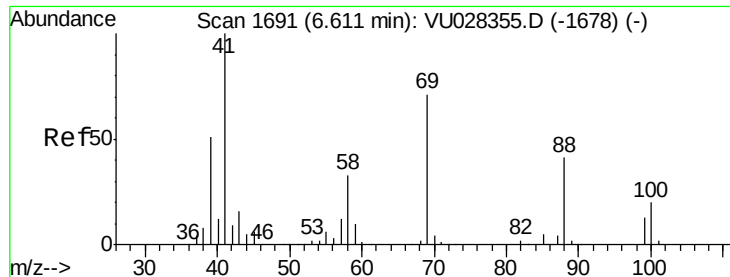
Tgt Ion: 83 Resp: 4208
 Ion Ratio Lower Upper
 83 100
 85 65.0 50.9 76.3
 127 5.8 6.2 9.4#



#48
 Methyl methacrylate
 Concen: 0.998 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 41 Resp: 4897
 Ion Ratio Lower Upper
 41 100
 69 61.4 59.0 88.4
 39 56.4 40.5 60.7





#49

1,4-Dioxane

Concen: 15.927 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

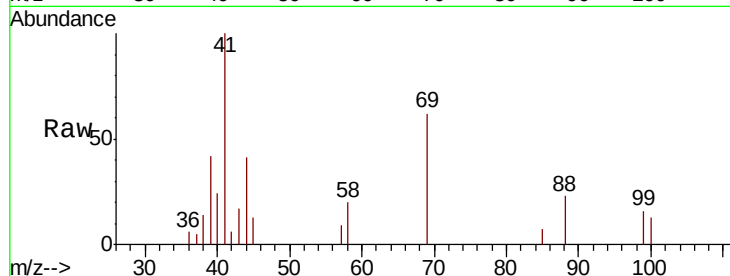
Tgt Ion: 88 Resp: 1249

Ion Ratio Lower Upper

88 100

43 66.6 32.6 48.8#

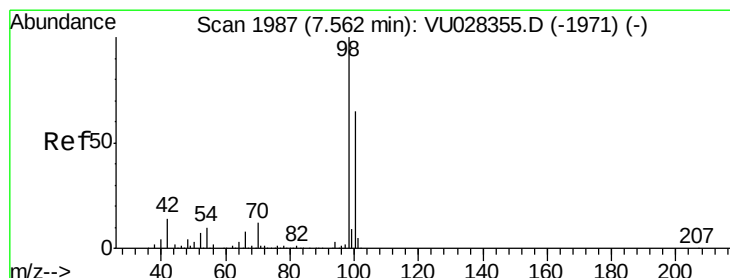
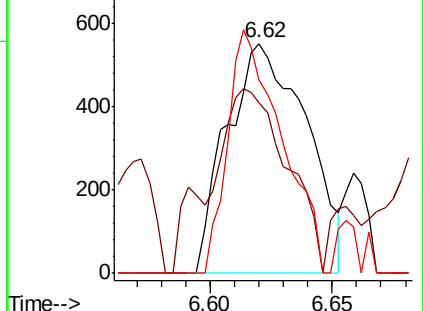
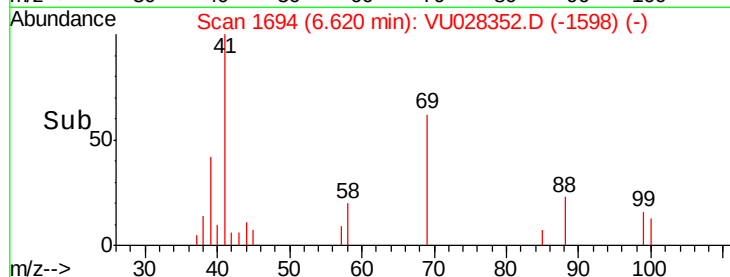
58 71.8 68.7 103.1



Abundance Ion 88.00 (87.70 to 88.70): VU028352.D (-1598) (-)

Ion 43.00 (42.70 to 43.70): VU028352.D (-1598) (-)

Ion 58.00 (57.70 to 58.70): VU028352.D (-1598) (-)



#50

Toluene-d8

Concen: 1.074 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028352.D

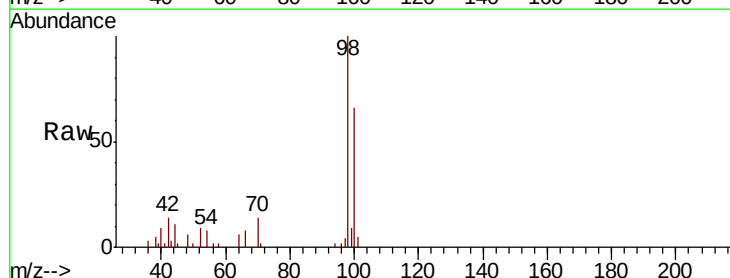
Acq: 28 Nov 2018 09:11

Tgt Ion: 98 Resp: 11388

Ion Ratio Lower Upper

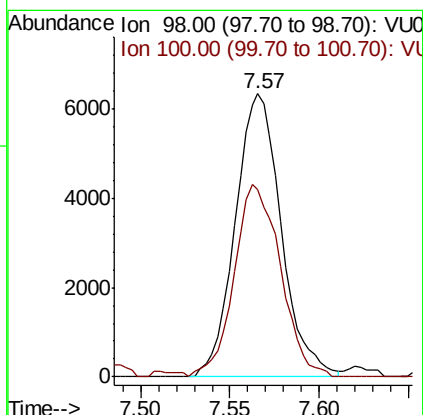
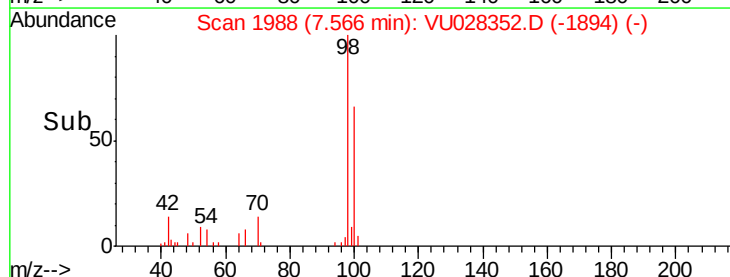
98 100

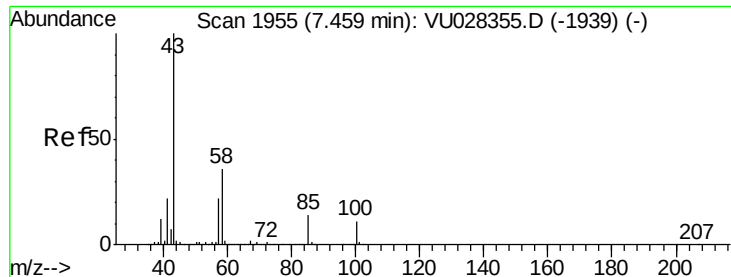
100 68.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028352.D (-1894) (-)

Ion 100.00 (99.70 to 100.70): VU028352.D (-1894) (-)

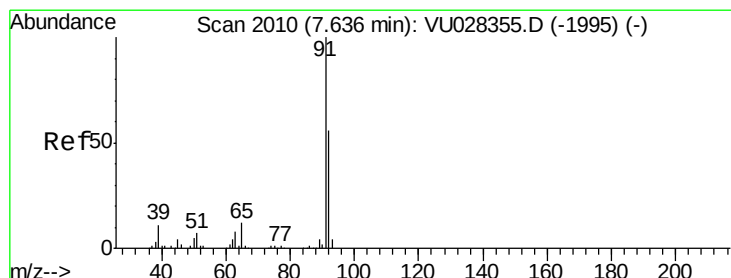
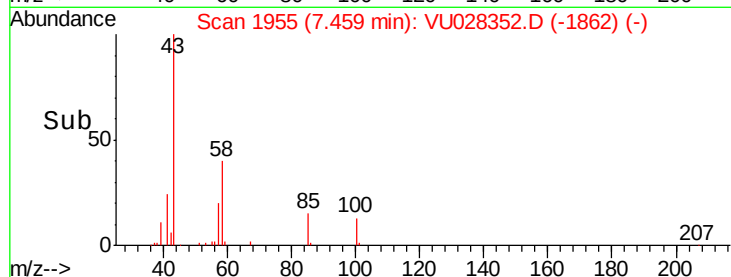
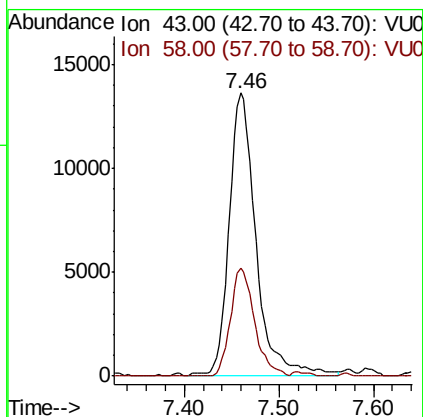
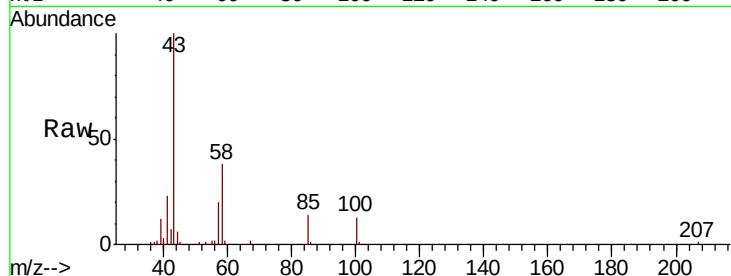




#51
 4-Methyl-2-Pentanone
 Concen: 4.489 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

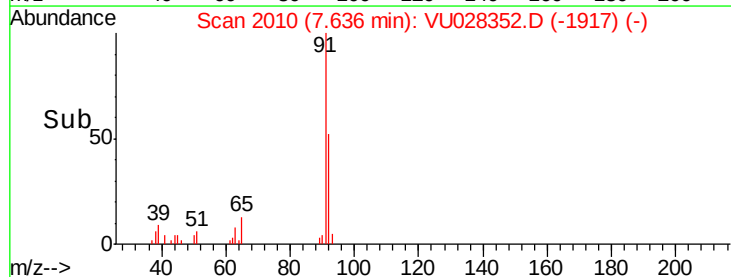
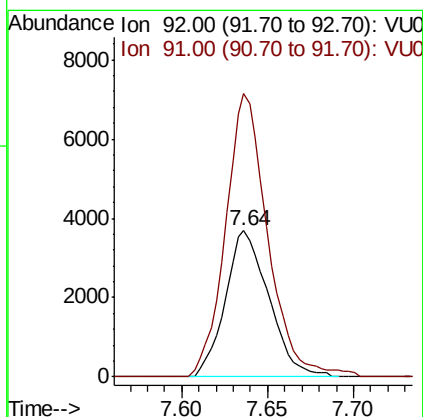
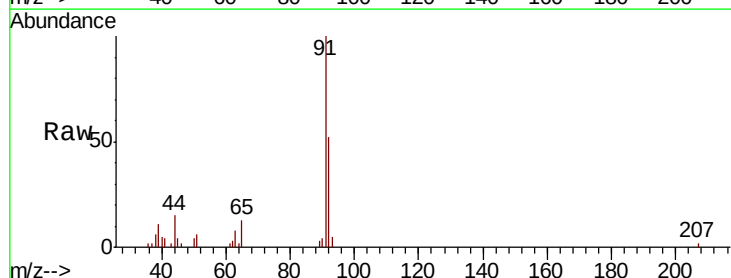
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

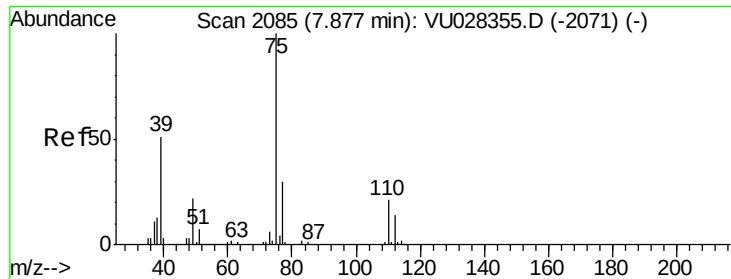
Tgt Ion: 43 Resp: 27016
 Ion Ratio Lower Upper
 43 100
 58 33.9 28.8 43.2



#52
 Toluene
 Concen: 0.872 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 92 Resp: 6492
 Ion Ratio Lower Upper
 92 100
 91 187.7 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 0.942 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

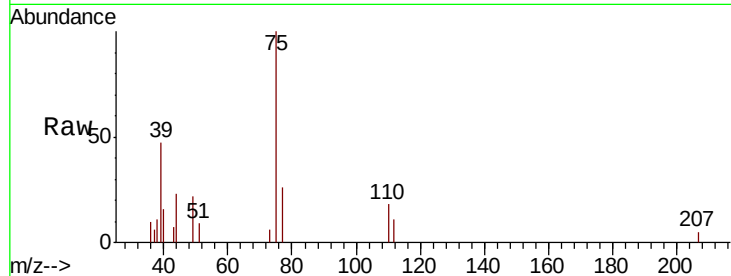
VSTDIC001

Tgt Ion: 75 Resp: 4869

Ion Ratio Lower Upper

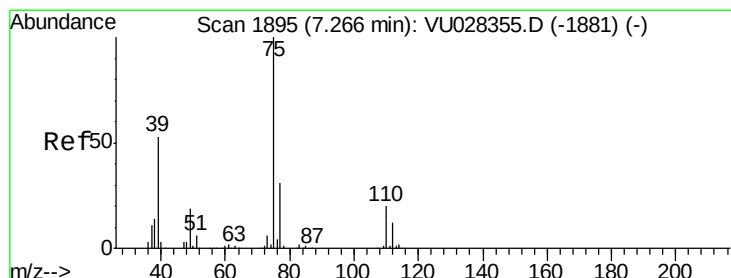
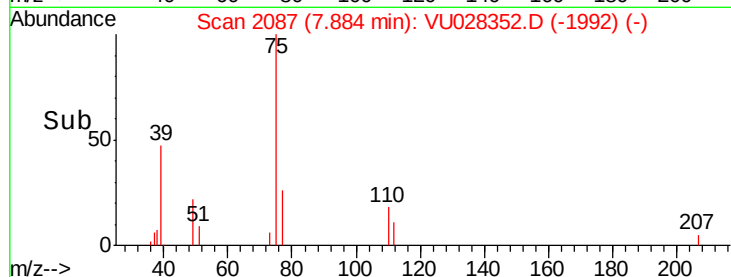
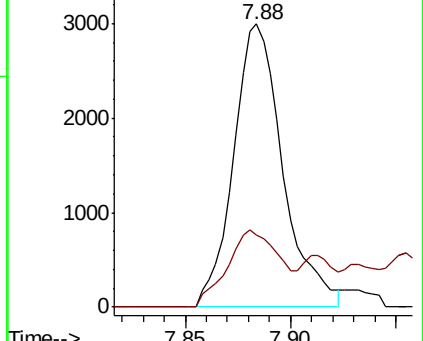
75 100

77 25.7 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 0.999 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

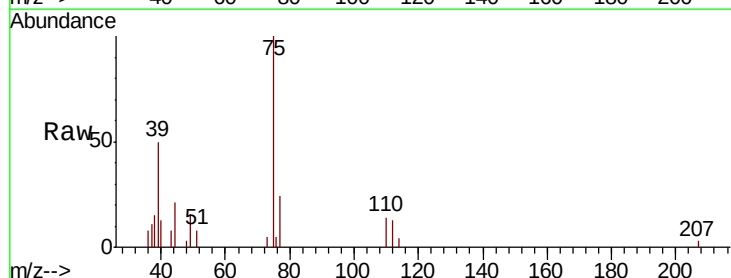
Tgt Ion: 75 Resp: 5532

Ion Ratio Lower Upper

75 100

77 23.6 24.9 37.3#

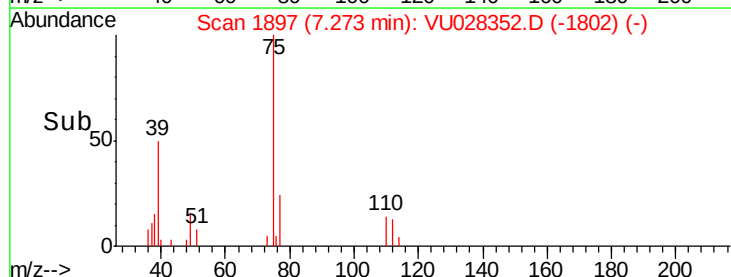
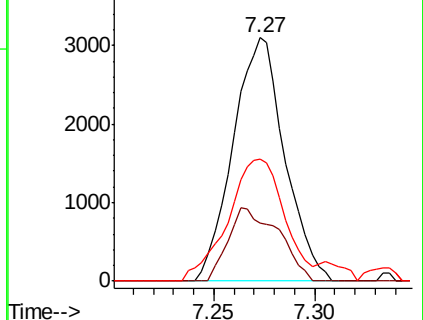
39 45.8 42.6 64.0

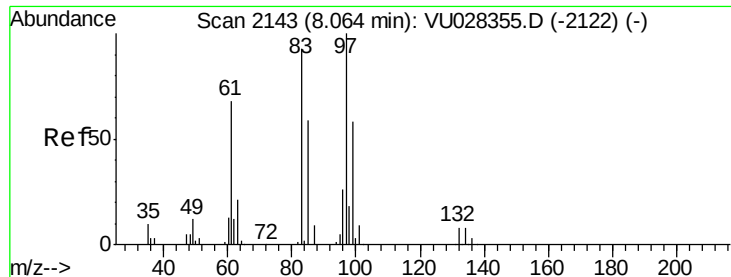


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

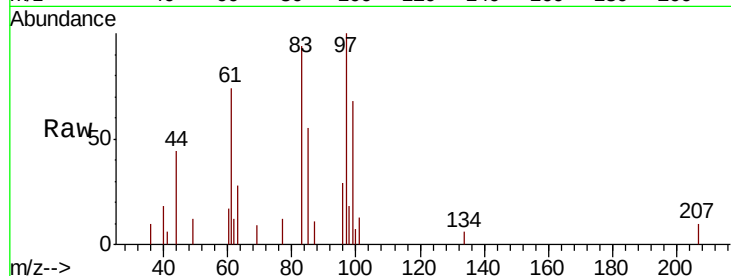




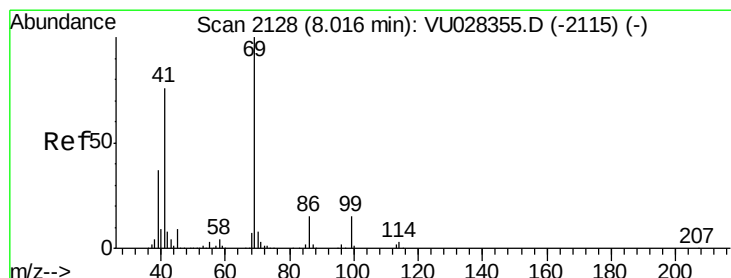
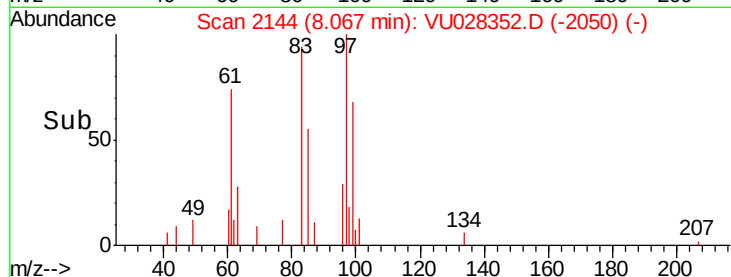
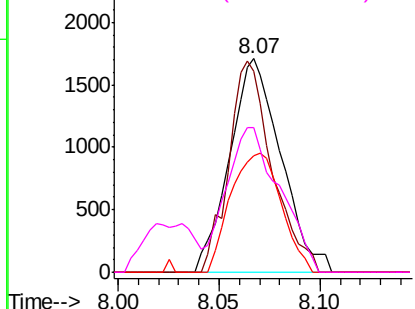
#55
 1,1,2-Trichloroethane
 Concen: 0.981 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	97	Resp:	3038
Ion	Ratio	Lower	Upper
97	100		
83	93.9	74.3	111.5
85	54.9	47.2	70.8
99	67.8	48.9	73.3

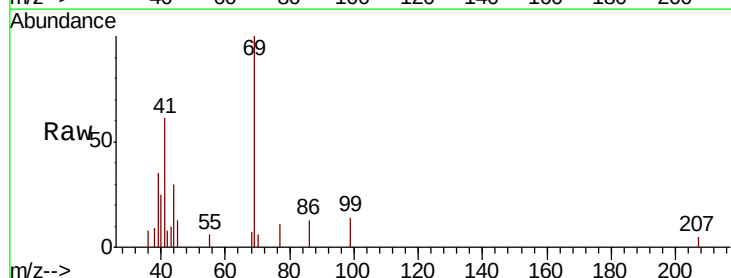


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

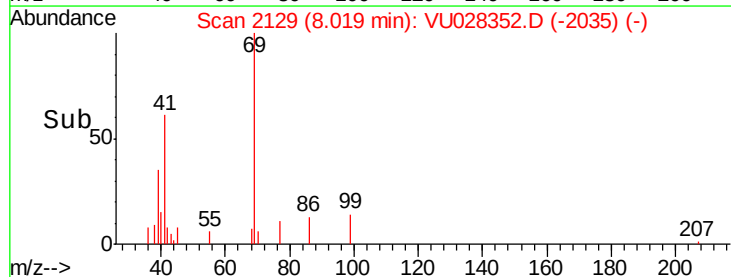
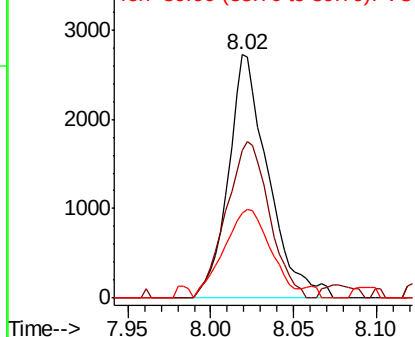


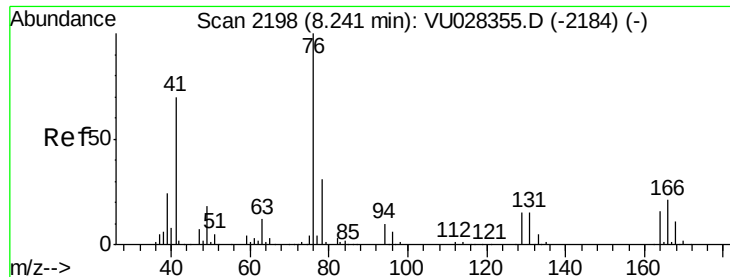
#56
 Ethyl methacrylate
 Concen: 0.866 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:	69	Resp:	4564
Ion	Ratio	Lower	Upper
69	100		
41	69.3	60.0	90.0
39	42.7	29.0	43.6



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

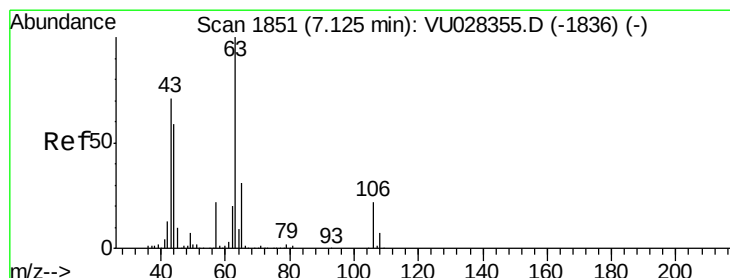
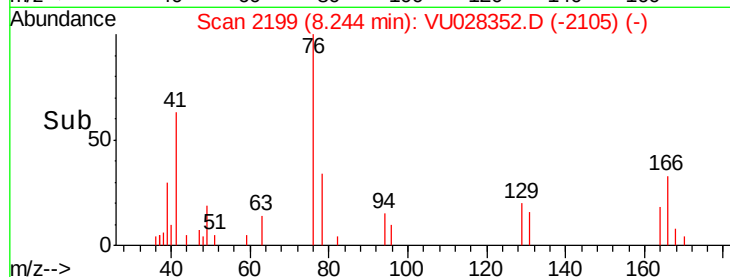
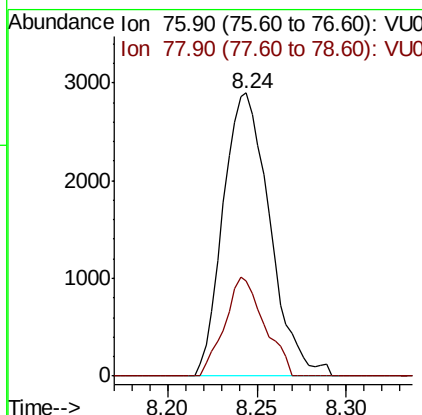
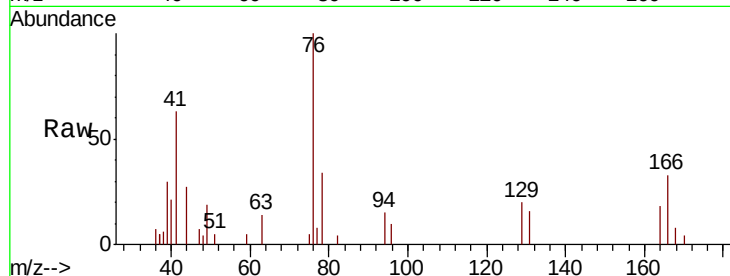




#57
 1,3-Dichloropropane
 Concen: 0.925 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

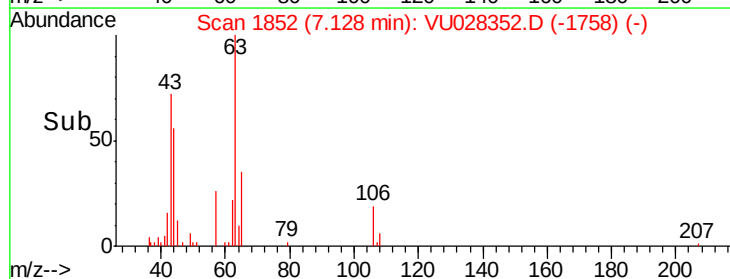
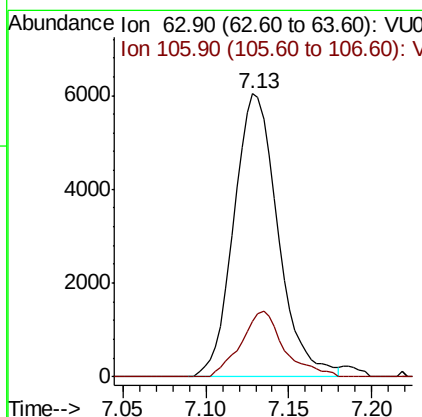
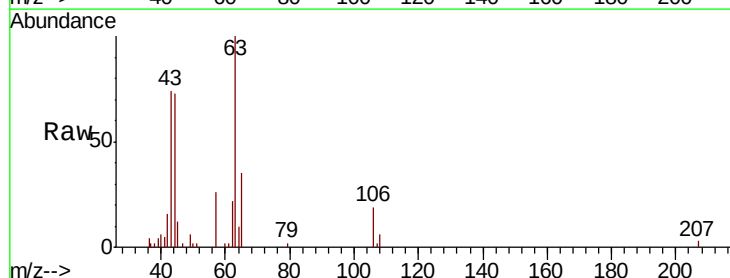
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

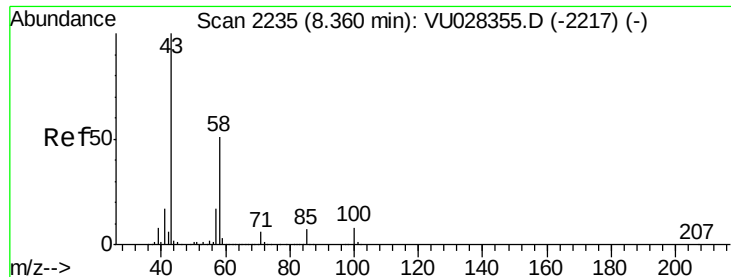
Tgt Ion: 76 Resp: 5257
 Ion Ratio Lower Upper
 76 100
 78 29.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.968 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 63 Resp: 11225
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.3 25.9

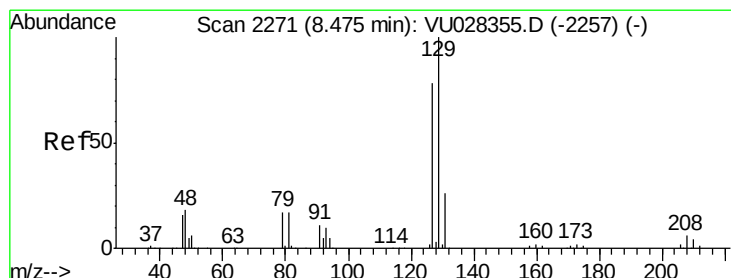
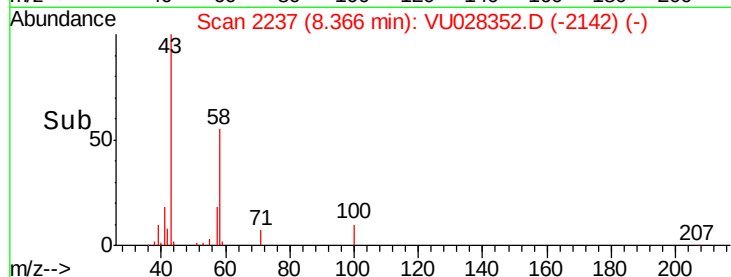
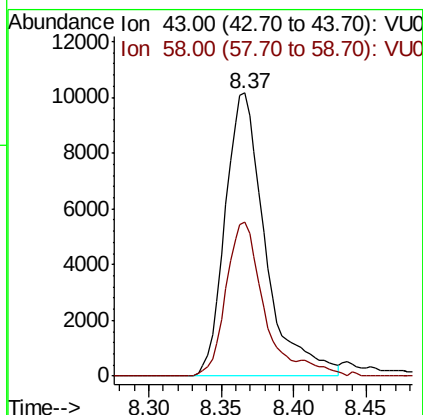
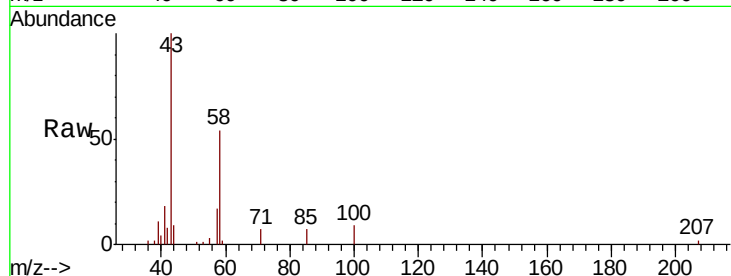




#59
2-Hexanone
Concen: 4.203 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

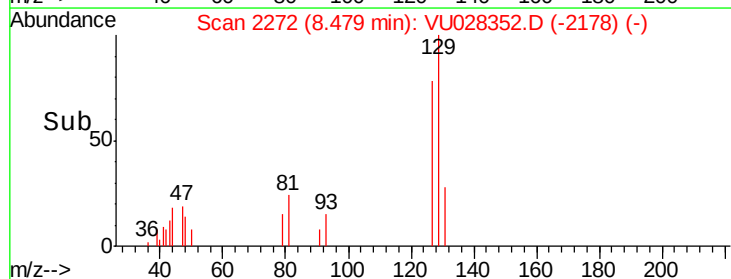
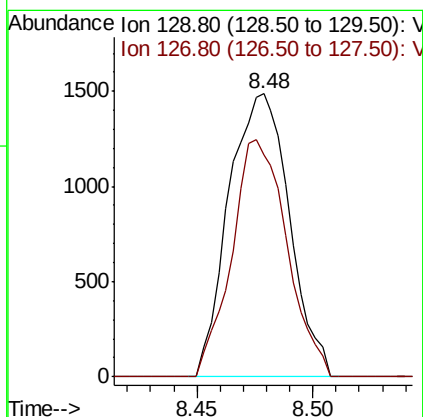
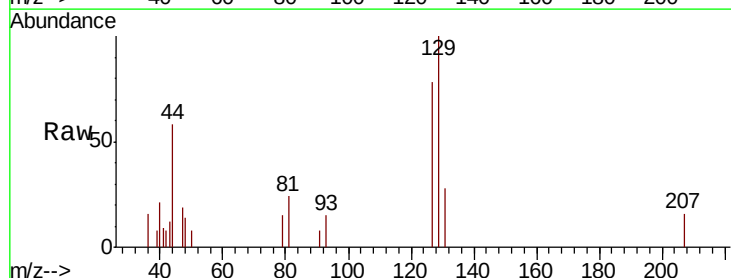
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

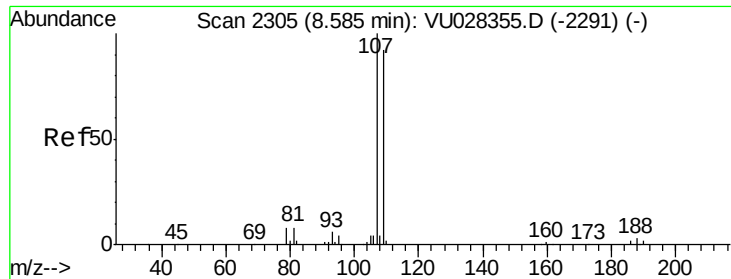
Tgt Ion: 43 Resp: 19595
Ion Ratio Lower Upper
43 100
58 52.1 25.5 76.5



#60
Dibromochloromethane
Concen: 0.915 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 129 Resp: 2696
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 0.861 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

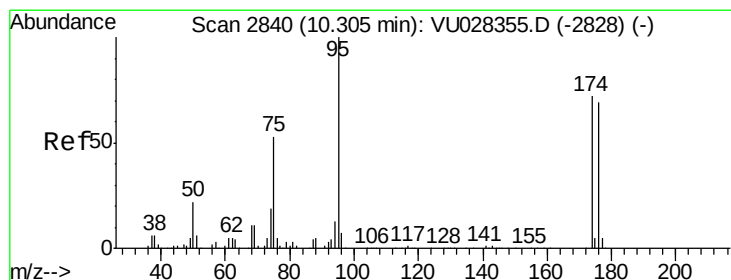
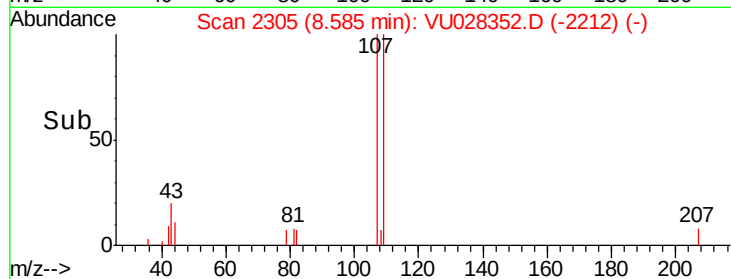
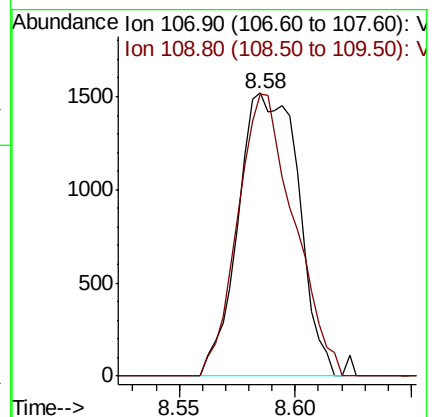
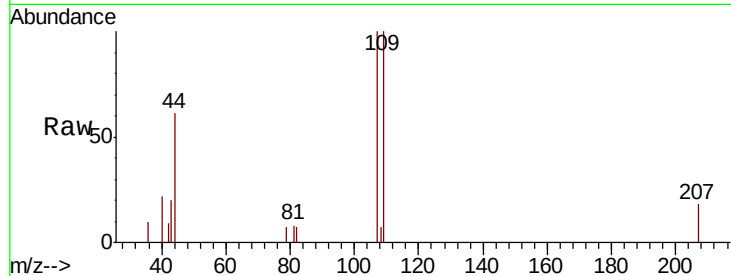
VSTDIC001

Tgt Ion: 107 Resp: 2732

Ion Ratio Lower Upper

107 100

109 93.4 73.2 109.8



#62

4-Bromofluorobenzene

Concen: 1.348 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

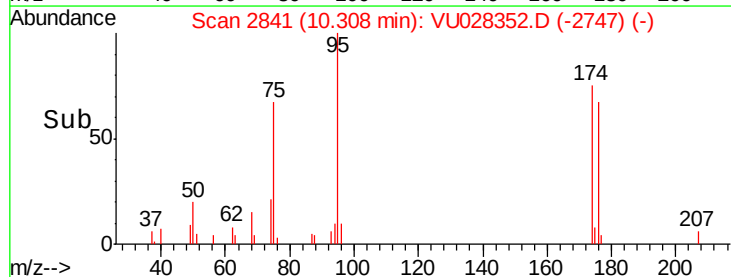
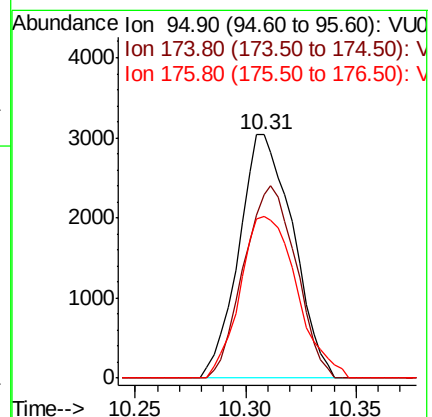
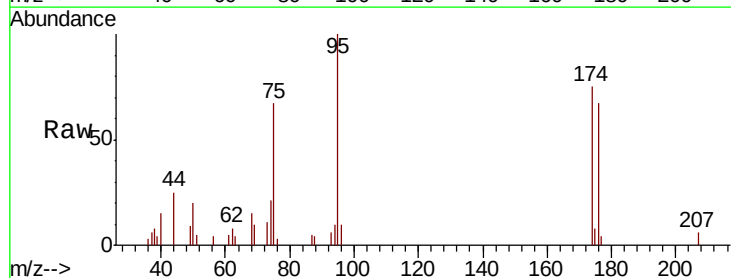
Tgt Ion: 95 Resp: 5153

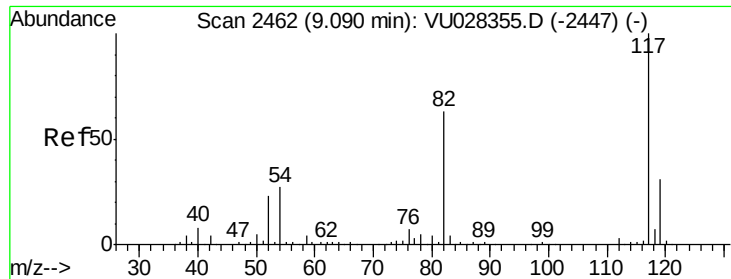
Ion Ratio Lower Upper

95 100

174 76.1 0.0 145.4

176 69.8 0.0 140.8

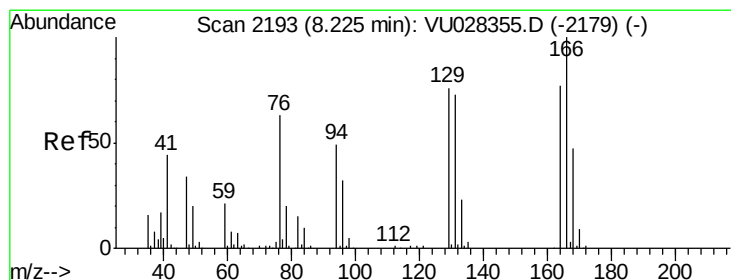
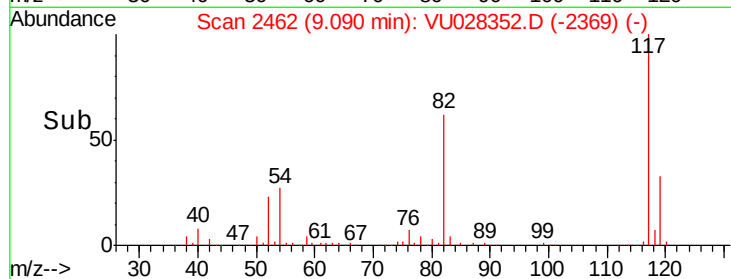
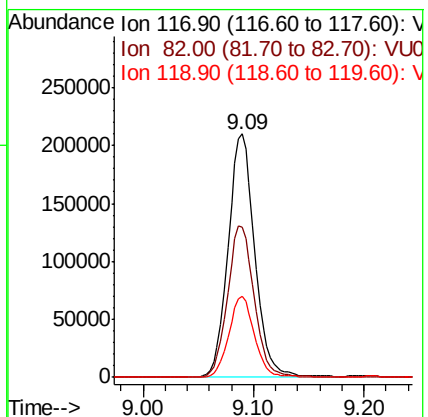
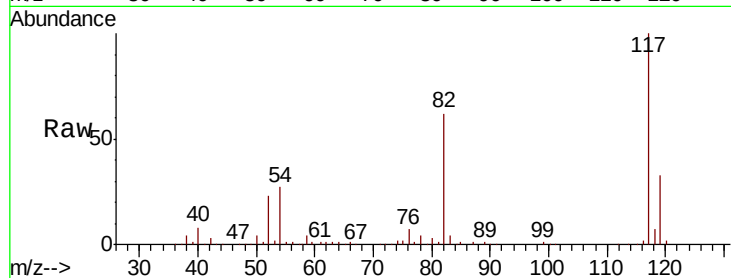




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

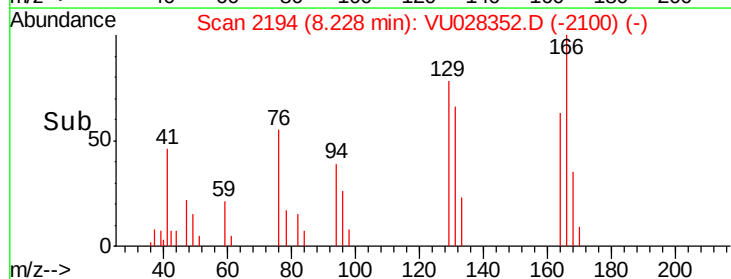
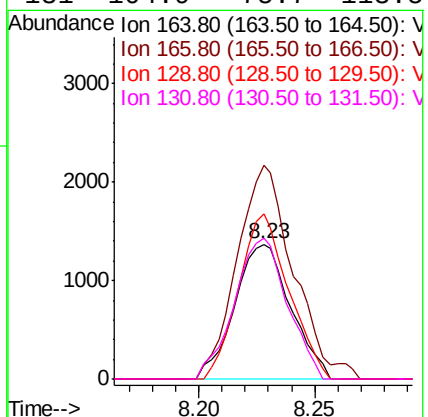
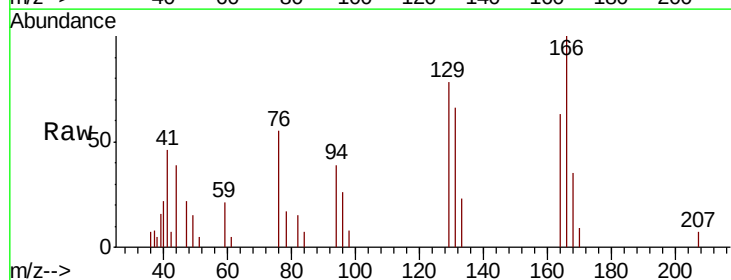
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

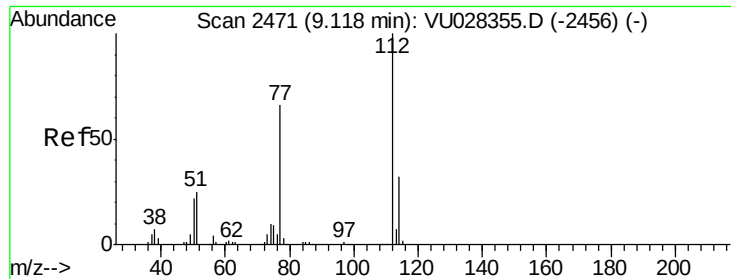
Tgt Ion:117 Resp: 352877
Ion Ratio Lower Upper
117 100
82 61.8 50.3 75.5
119 33.2 24.8 37.2



#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion:164 Resp: 2289
Ion Ratio Lower Upper
164 100
166 158.6 104.0 156.0#
129 123.0 79.2 118.8#
131 104.9 75.7 113.5

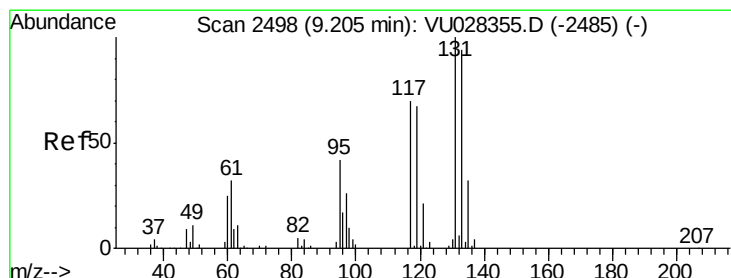
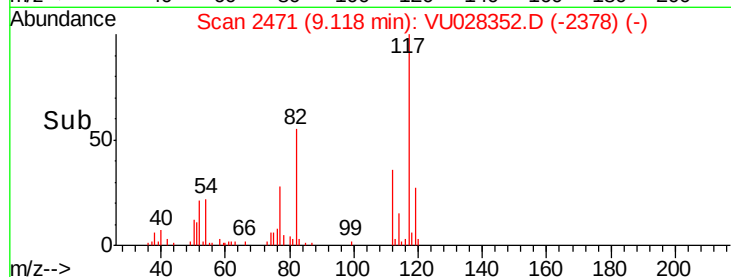
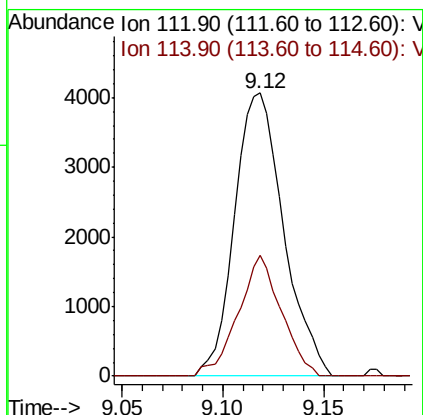
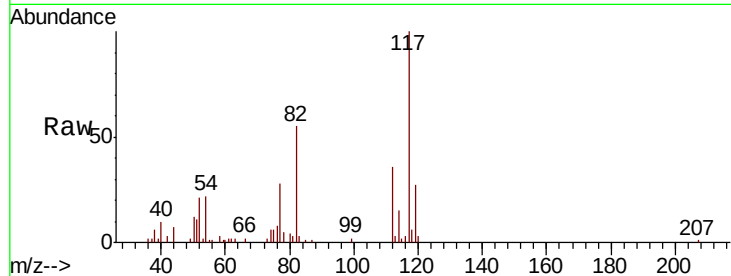




#65
Chlorobenzene
Concen: 0.946 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

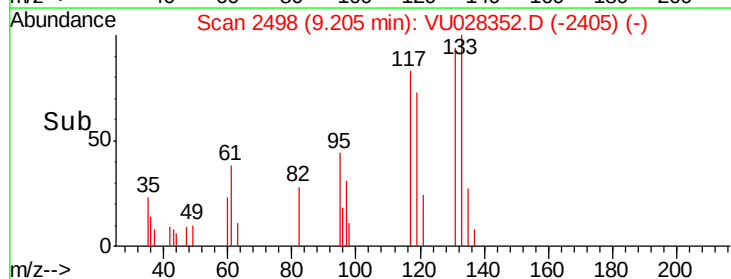
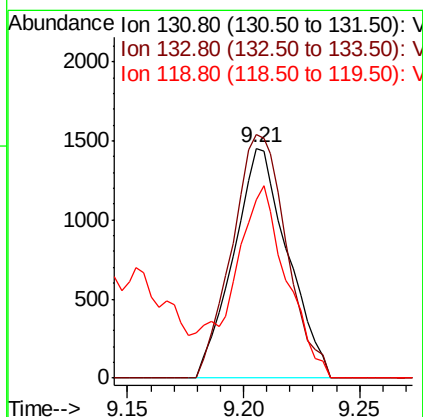
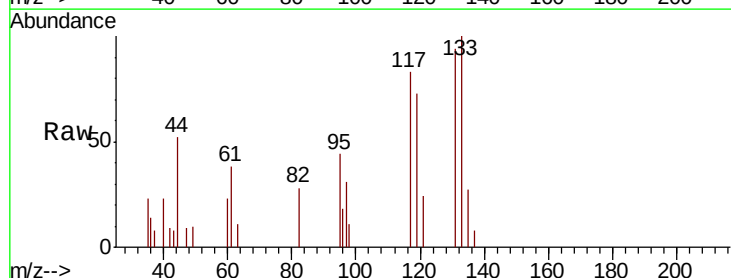
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

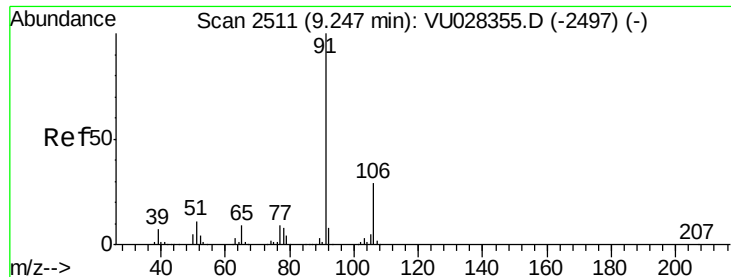
Tgt Ion:112 Resp: 6928
Ion Ratio Lower Upper
112 100
114 42.8 25.7 38.5#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.943 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion:131 Resp: 2369
Ion Ratio Lower Upper
131 100
133 106.4 47.3 141.8
119 0.0 34.1 102.2#

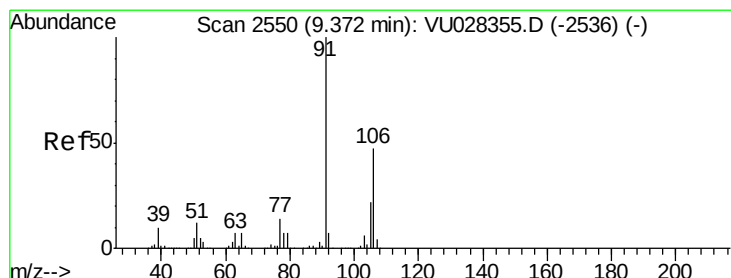
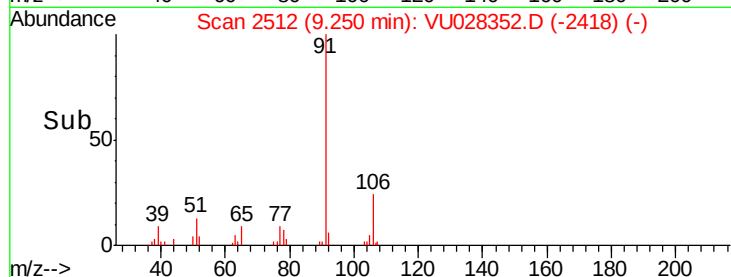
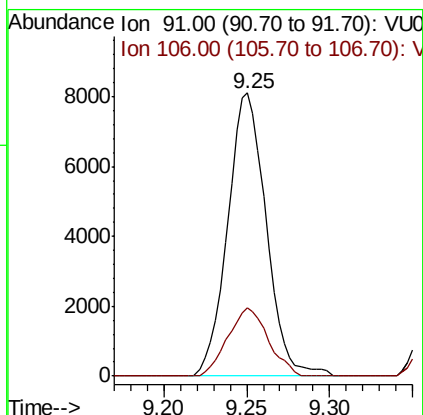
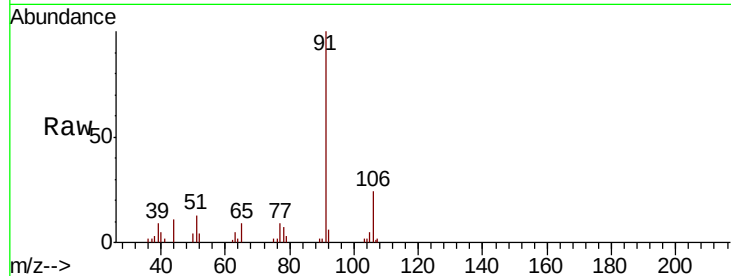




#67
Ethyl Benzene
Concen: 0.949 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

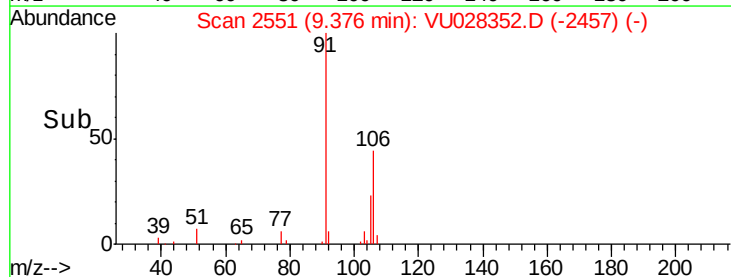
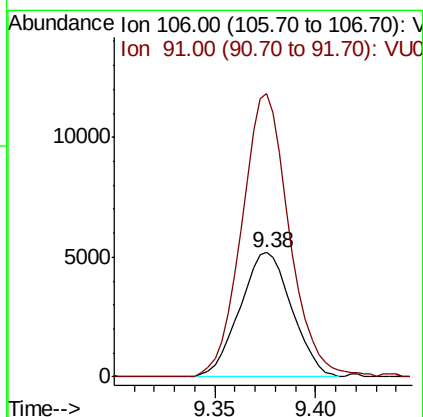
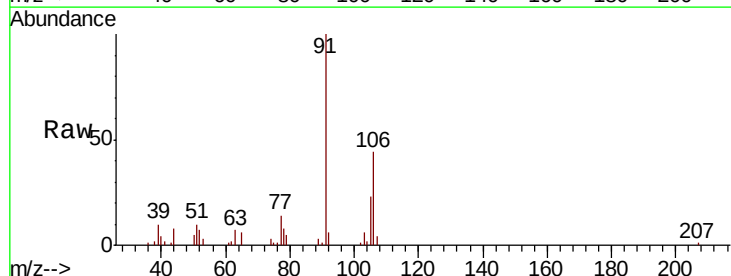
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

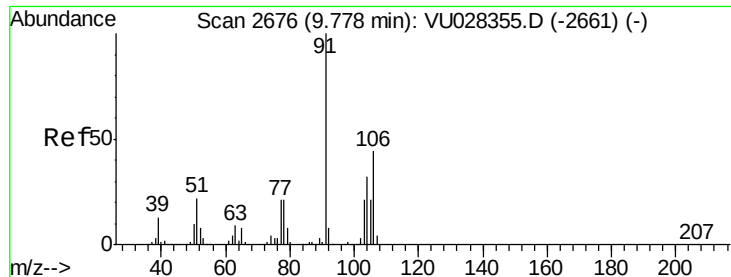
Tgt Ion: 91 Resp: 13103
Ion Ratio Lower Upper
91 100
106 24.0 23.3 34.9



#68
m/p-Xylenes
Concen: 1.877 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 106 Resp: 9325
Ion Ratio Lower Upper
106 100
91 208.9 171.0 256.6

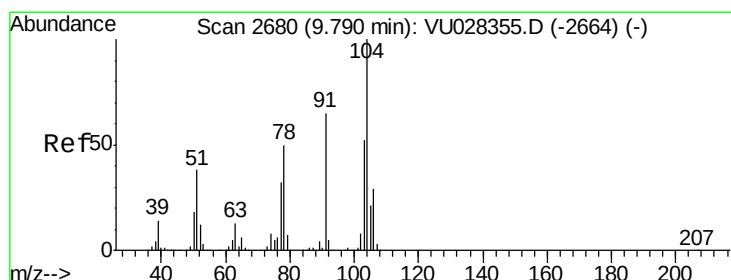
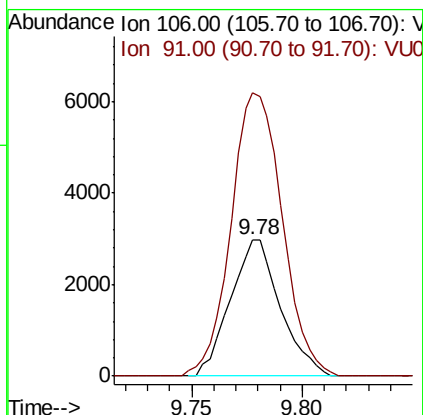
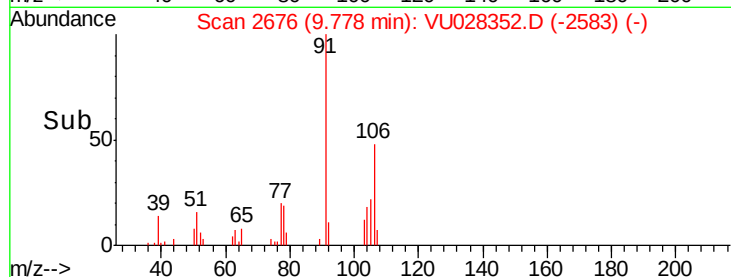
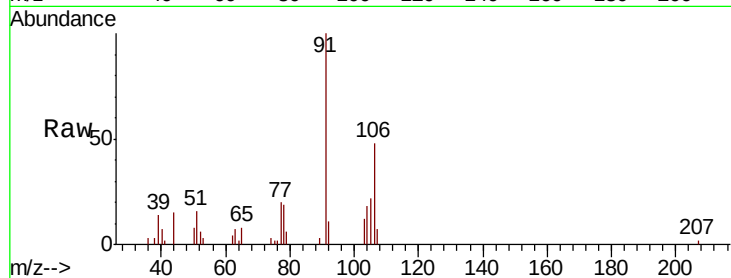




#69
o-Xylene
Concen: 0.950 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

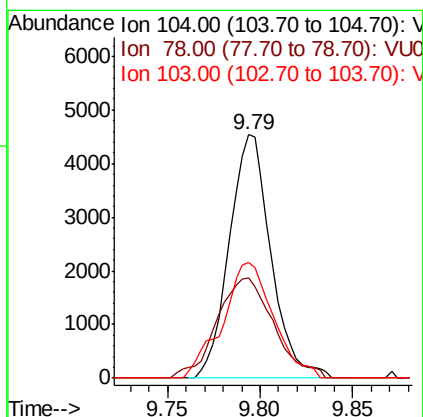
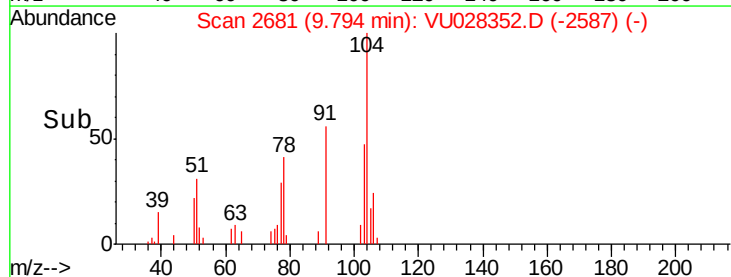
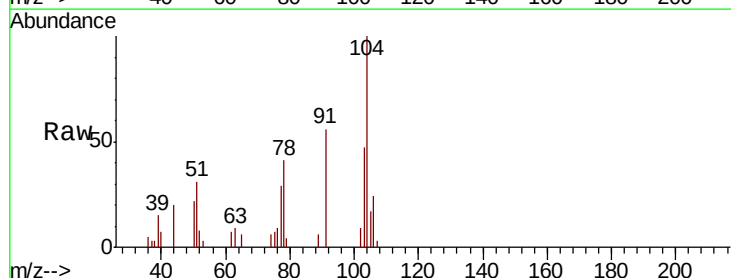
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

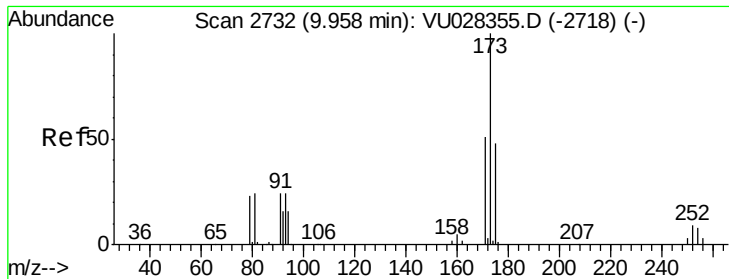
Tgt Ion:106 Resp: 4689
Ion Ratio Lower Upper
106 100
91 213.9 112.7 338.0



#70
Styrene
Concen: 0.887 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion:104 Resp: 7066
Ion Ratio Lower Upper
104 100
78 56.3 43.3 64.9
103 58.0 44.8 67.2





#71

Bromoform

Concen: 0.880 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

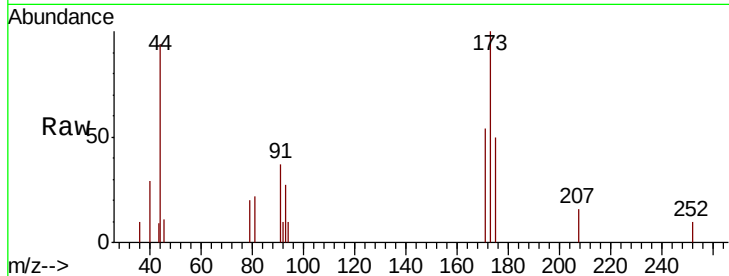
Tgt Ion:173 Resp: 1858

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

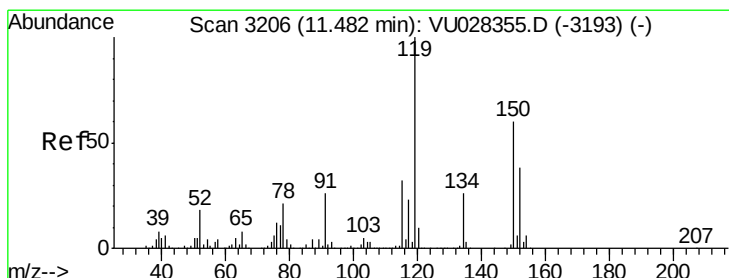
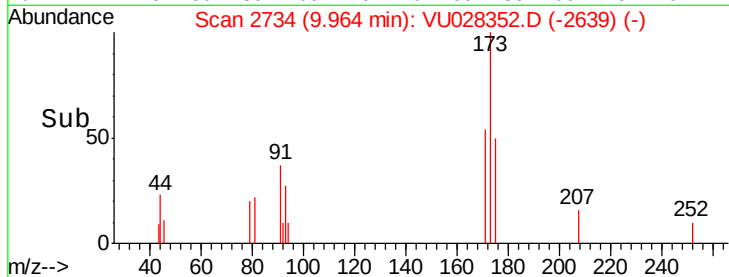
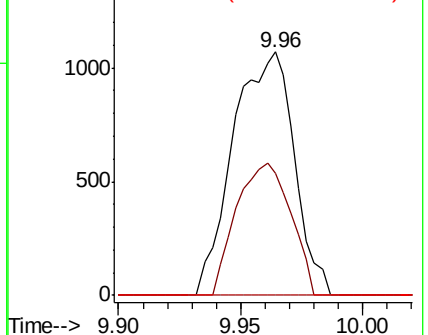
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

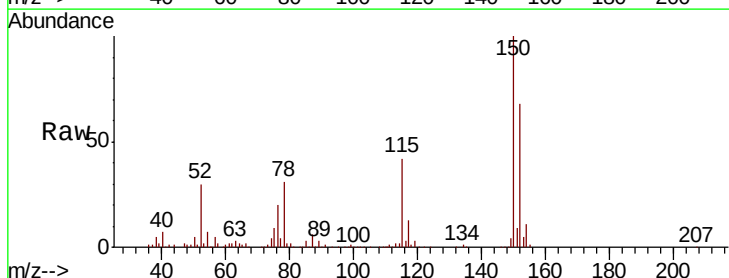
Tgt Ion:152 Resp: 154801

Ion Ratio Lower Upper

152 100

115 61.8 45.0 134.8

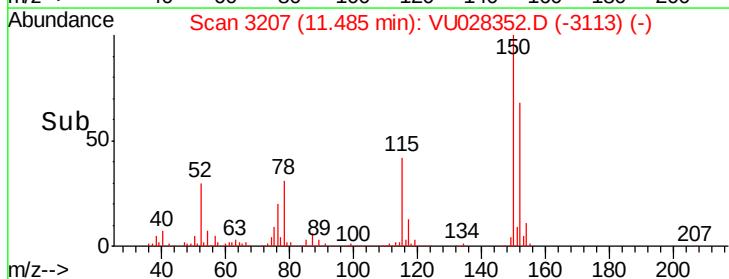
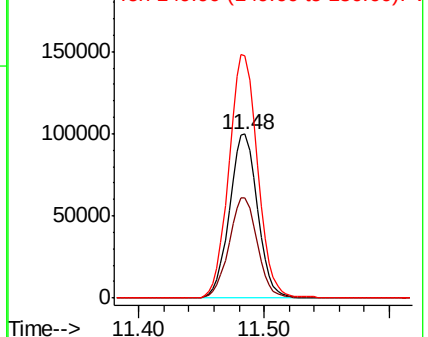
150 152.0 0.0 349.2

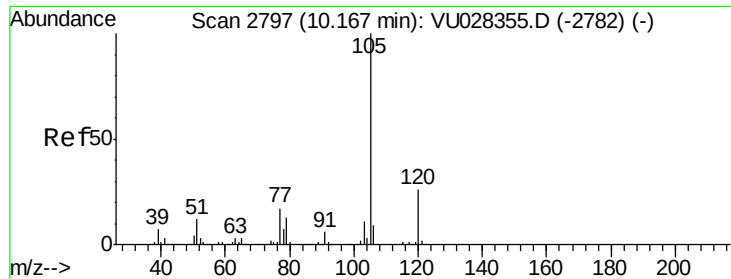


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.959 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

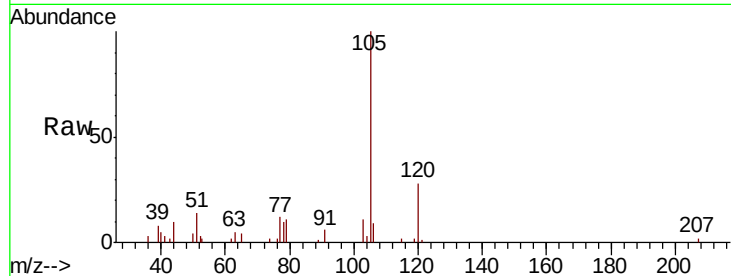
VSTDIC001

Tgt Ion:105 Resp: 11550

Ion Ratio Lower Upper

105 100

120 29.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

2000

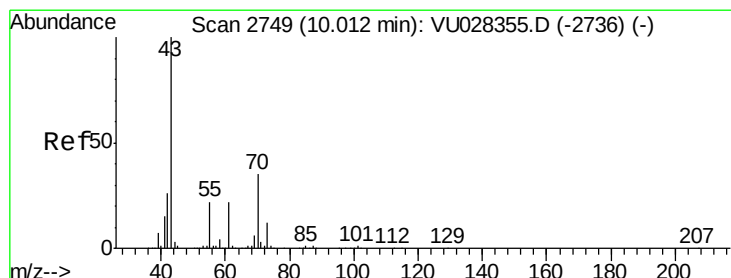
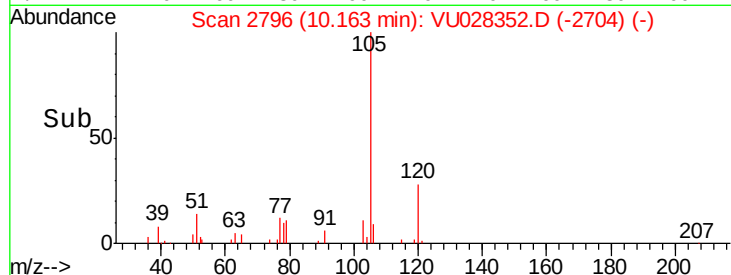
0

10.10

10.15

10.20

Time-->



#74

N-ethyl acetate

Concen: 0.921 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion: 43 Resp: 6945

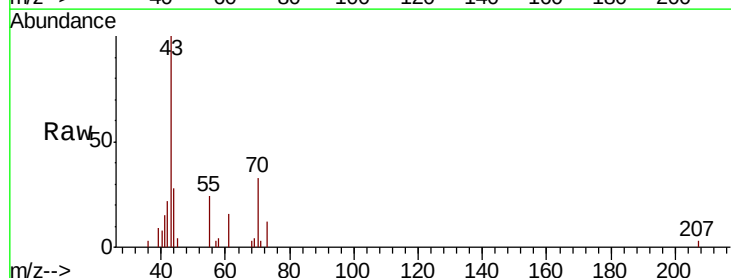
Ion Ratio Lower Upper

43 100

70 33.2 28.4 42.6

55 20.8 18.0 27.0

61 18.0 17.6 26.4



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

6000

4000

2000

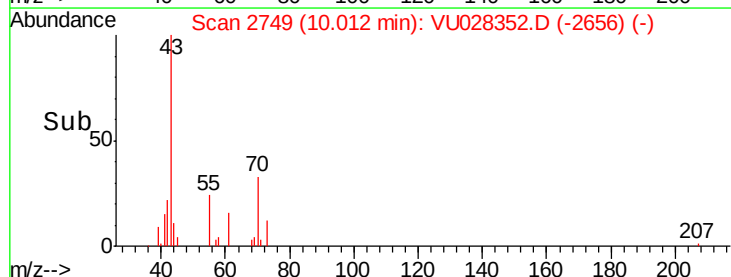
0

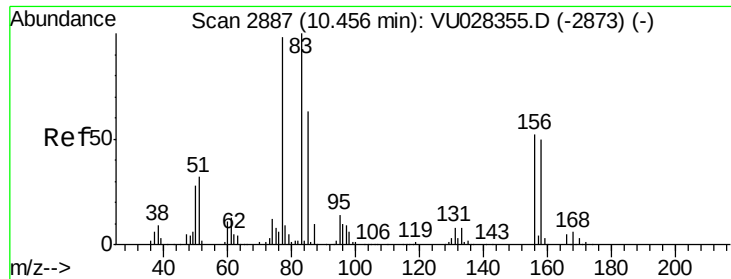
9.95

10.00

10.05

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.931 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

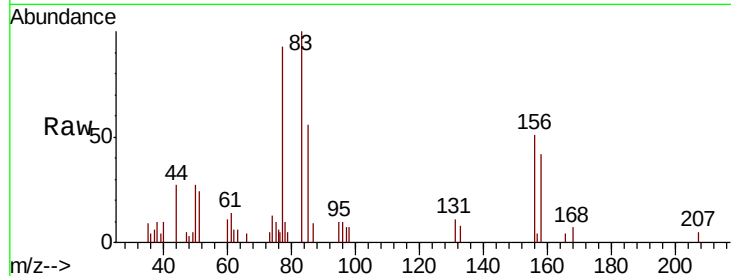
Tgt Ion: 83 Resp: 4610

Ion Ratio Lower Upper

83 100

131 5.7 4.0 12.2

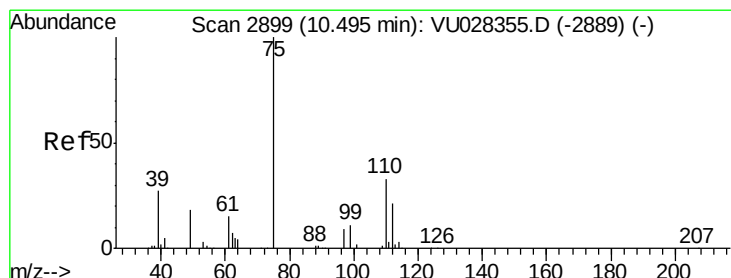
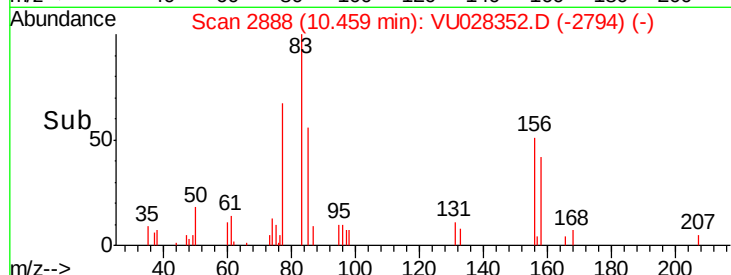
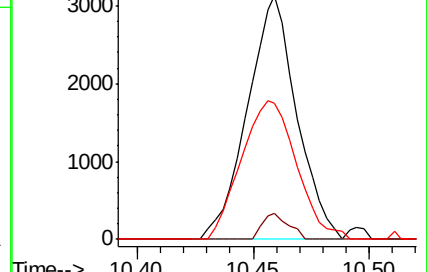
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 0.773 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028352.D

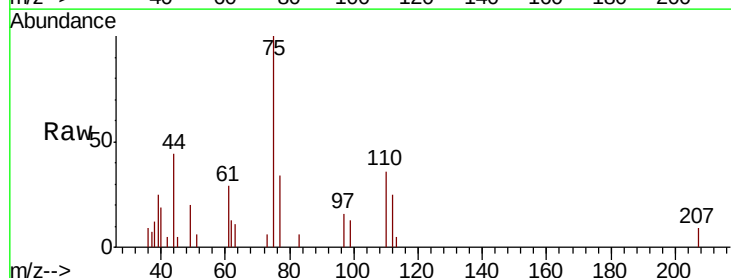
Acq: 28 Nov 2018 09:11

Tgt Ion: 75 Resp: 3278

Ion Ratio Lower Upper

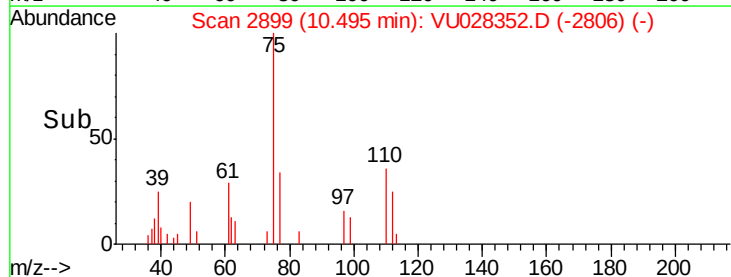
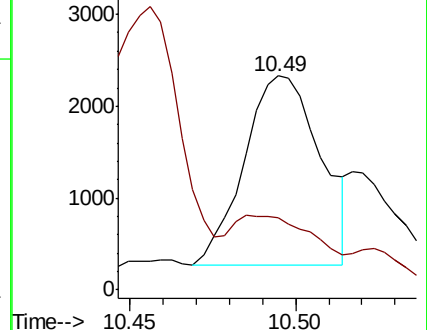
75 100

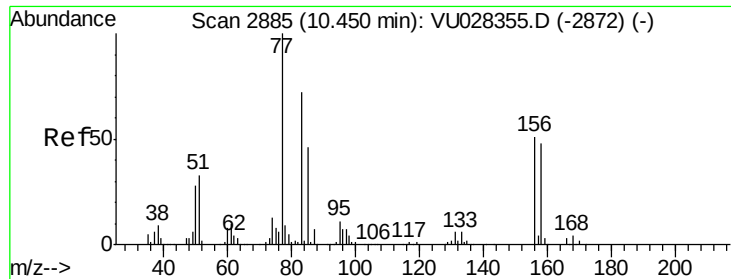
77 22.8 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 1.024 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

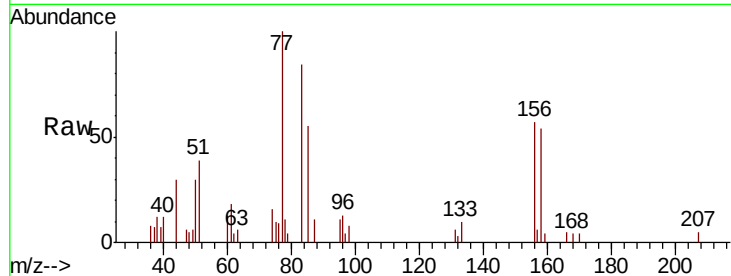
Tgt Ion:156 Resp: 2906

Ion Ratio Lower Upper

156 100

77 177.6 97.0 290.9

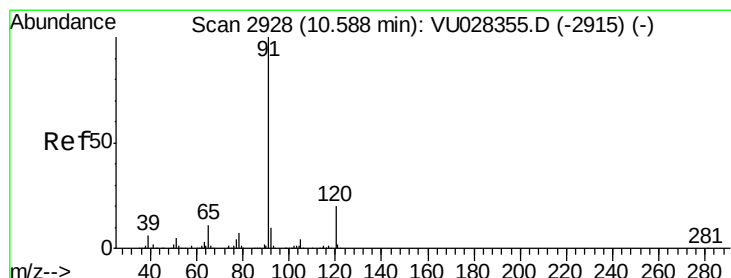
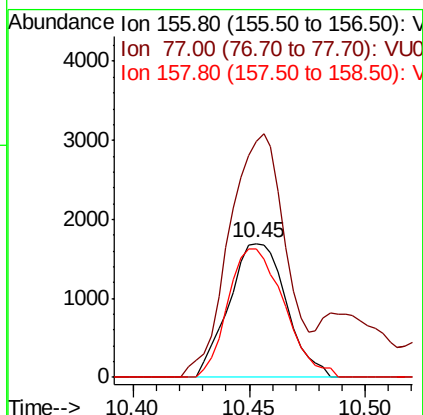
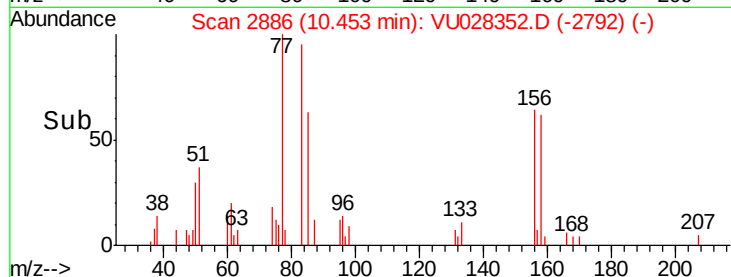
158 94.0 46.8 140.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.958 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028352.D

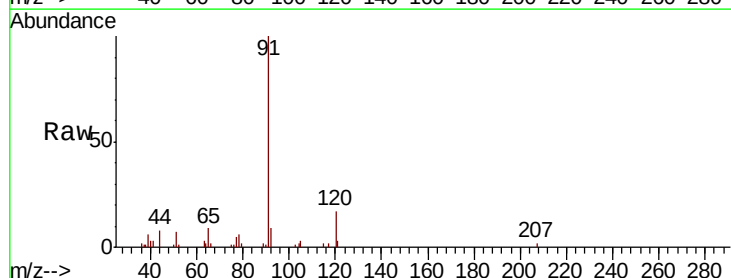
Acq: 28 Nov 2018 09:11

Tgt Ion: 91 Resp: 14232

Ion Ratio Lower Upper

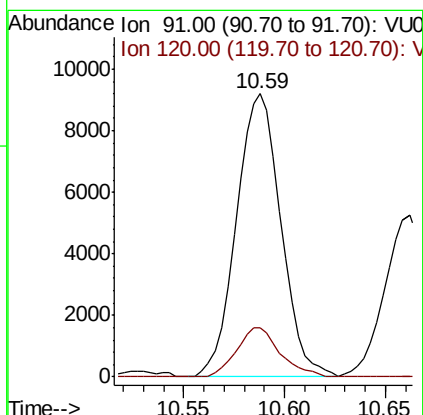
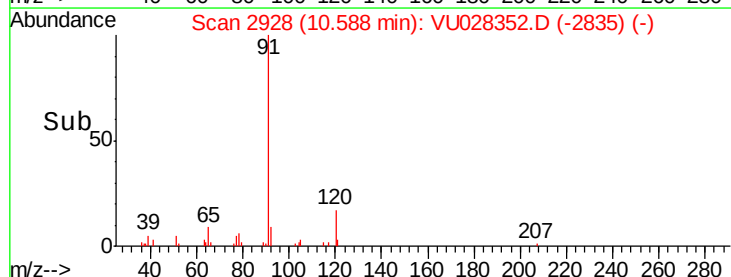
91 100

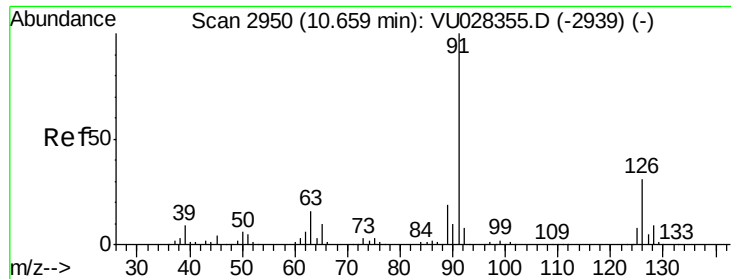
120 16.9 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

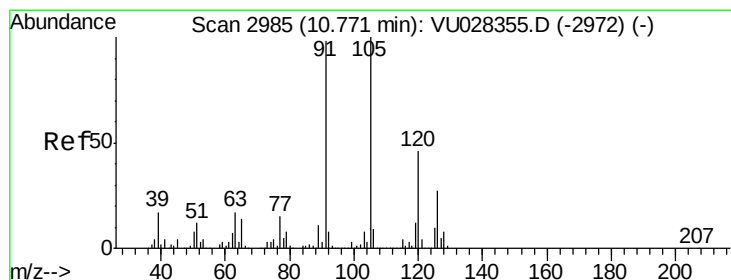
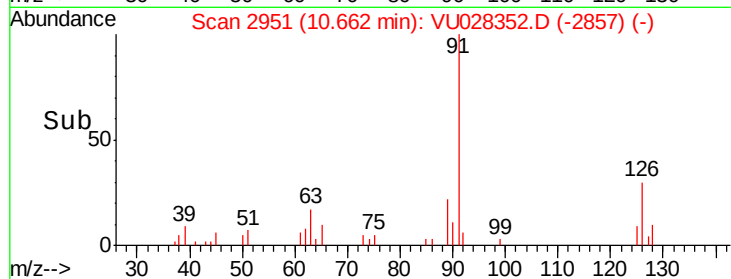
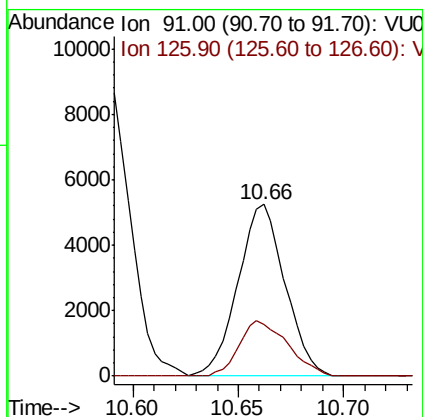
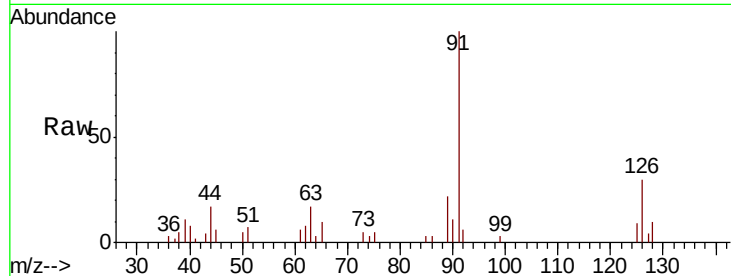




#79
 2-Chlorotoluene
 Concen: 0.931 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

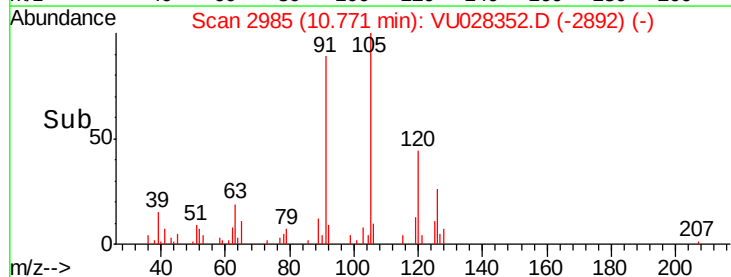
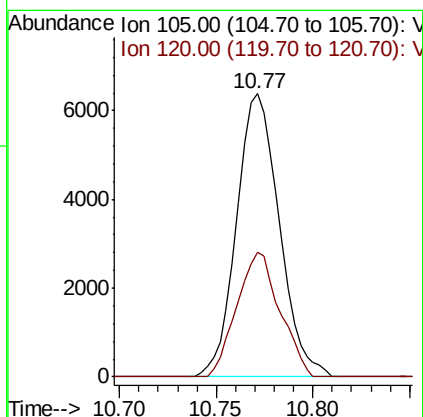
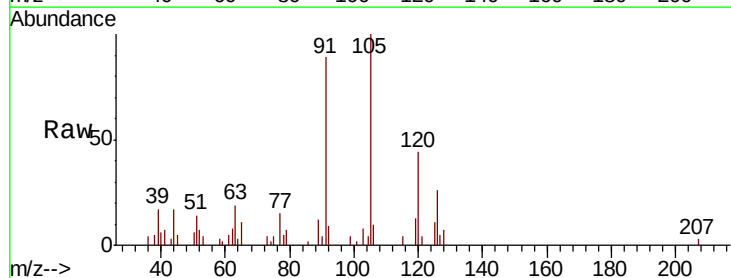
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

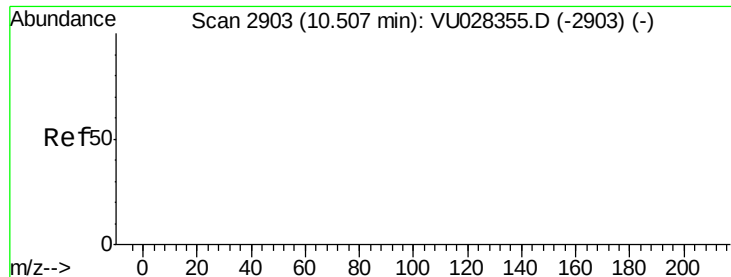
Tgt Ion: 91 Resp: 8153
 Ion Ratio Lower Upper
 91 100
 126 33.0 15.4 46.1



#80
 1,3,5-Trimethylbenzene
 Concen: 0.968 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 105 Resp: 9826
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.590 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

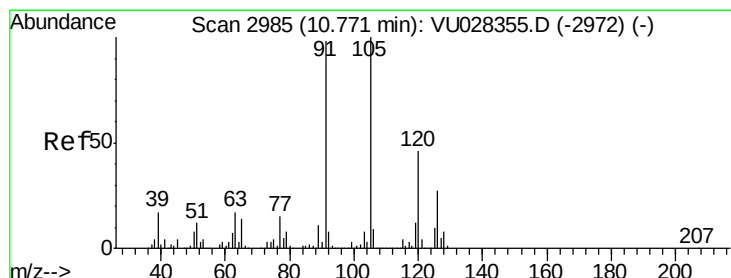
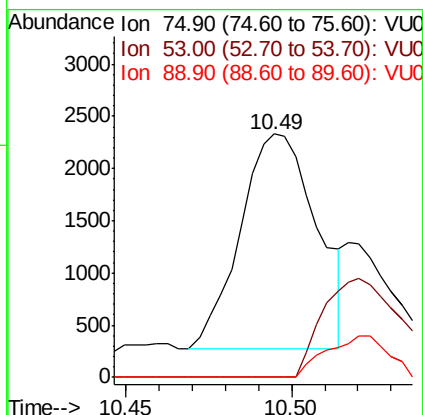
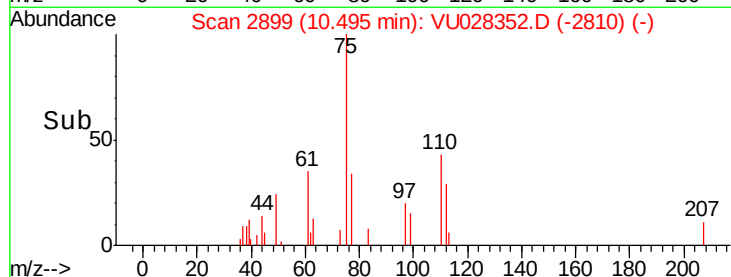
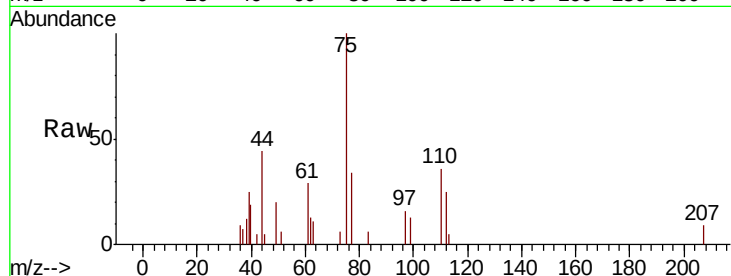
Tgt Ion: 75 Resp: 3278

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 0.959 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028352.D

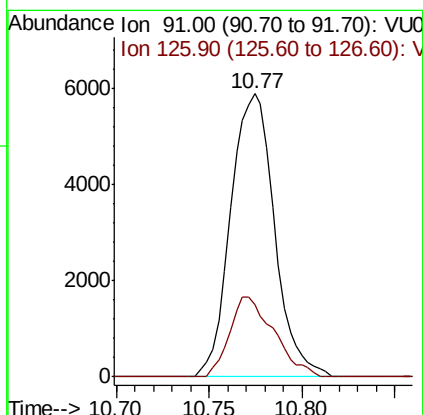
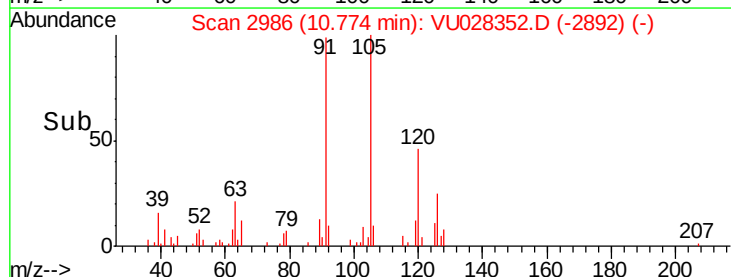
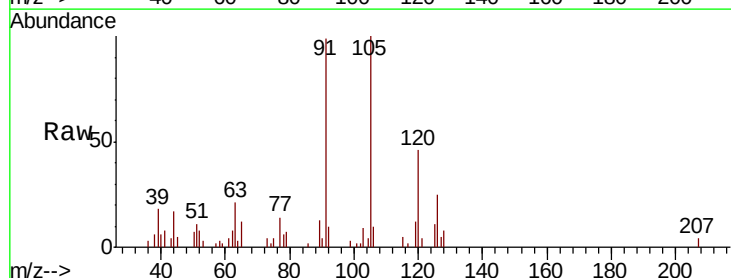
Acq: 28 Nov 2018 09:11

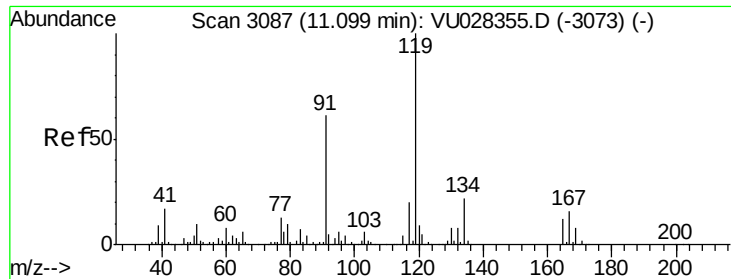
Tgt Ion: 91 Resp: 9674

Ion Ratio Lower Upper

91 100

126 28.5 13.9 41.6

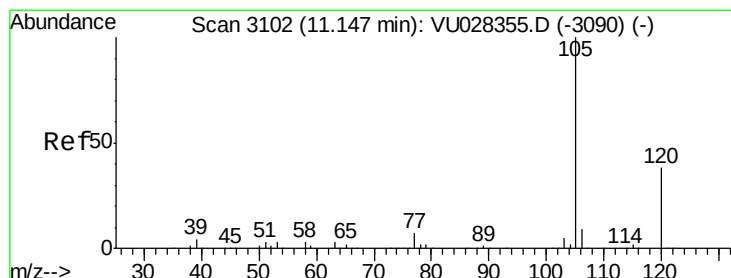
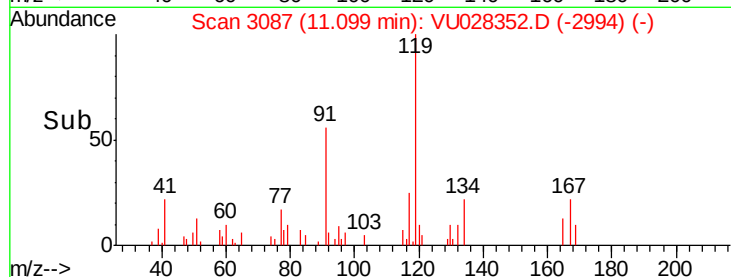
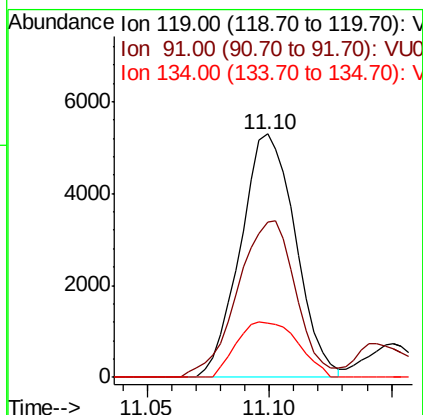
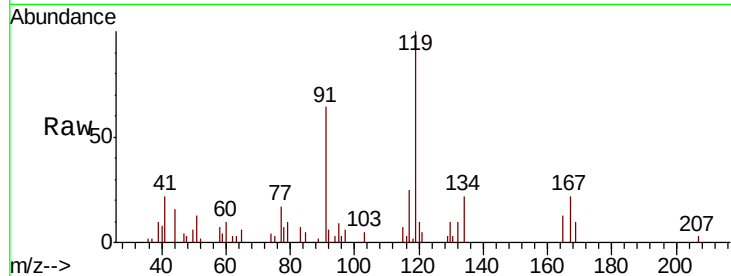




#83
 tert-Butylbenzene
 Concen: 0.875 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

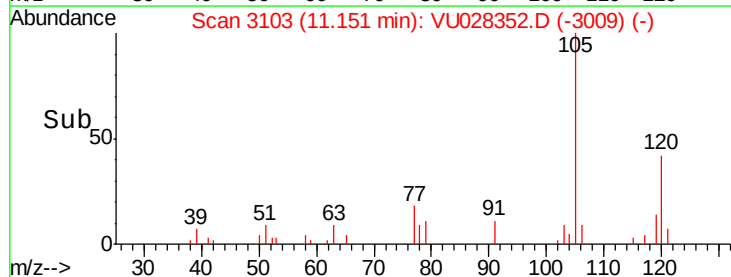
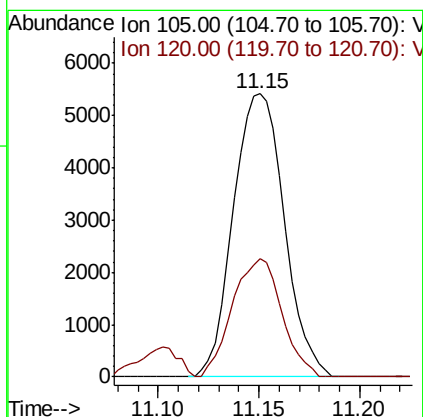
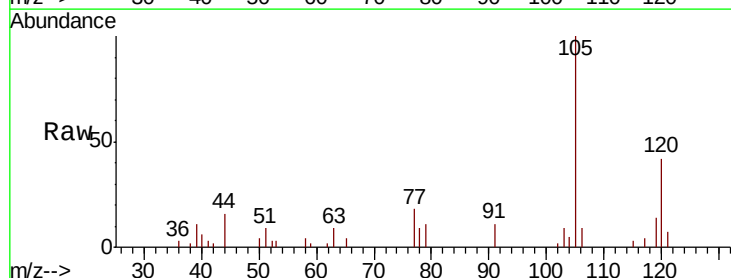
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

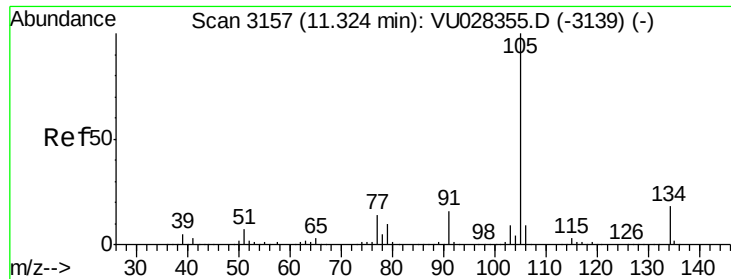
Tgt Ion:119 Resp: 8276
 Ion Ratio Lower Upper
 119 100
 91 68.3 30.8 92.4
 134 25.4 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.933 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:105 Resp: 9590
 Ion Ratio Lower Upper
 105 100
 120 40.4 21.4 64.3

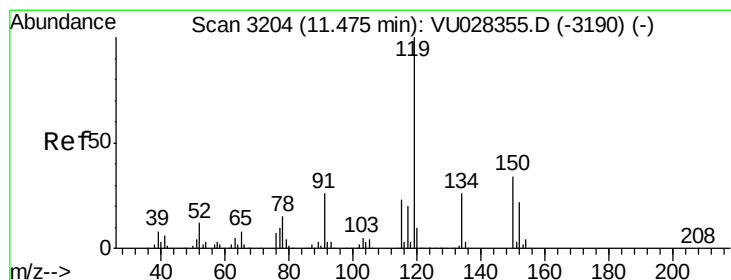
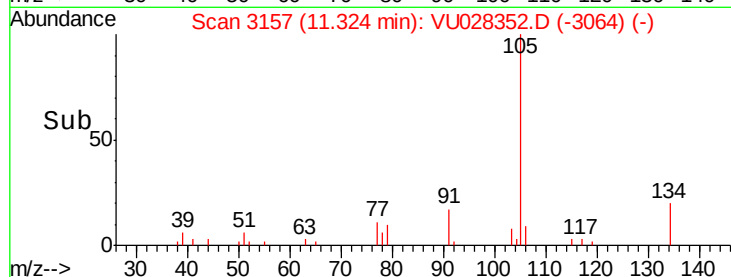
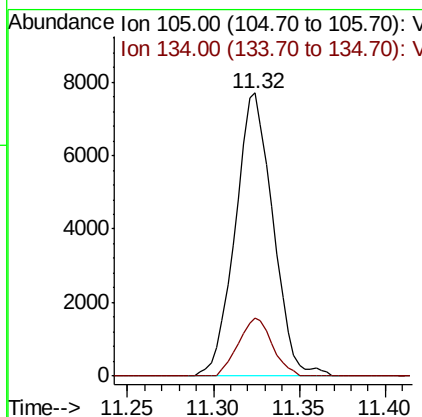
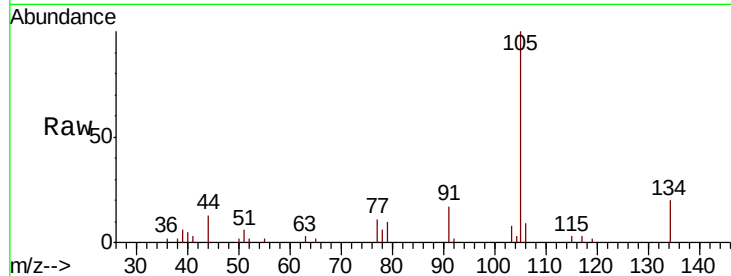




#85
 sec-Butylbenzene
 Concen: 0.959 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

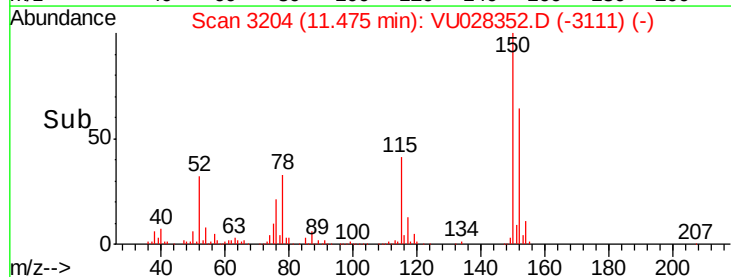
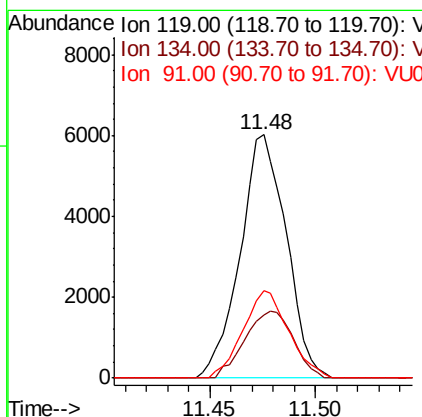
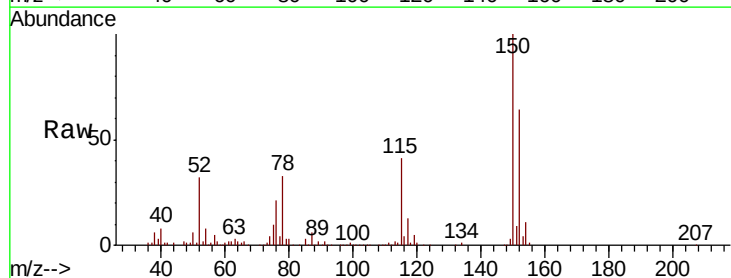
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

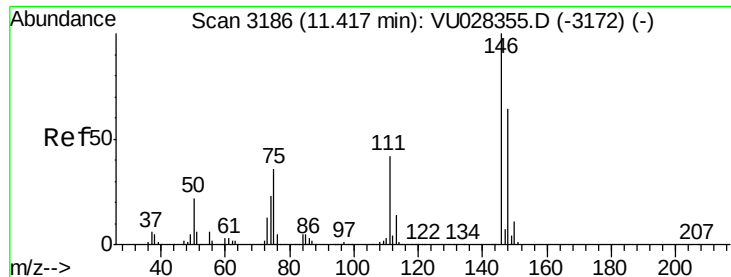
Tgt Ion:105 Resp: 11778
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 0.905 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:119 Resp: 9143
 Ion Ratio Lower Upper
 119 100
 134 28.8 12.8 38.3
 91 35.6 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 1.025 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

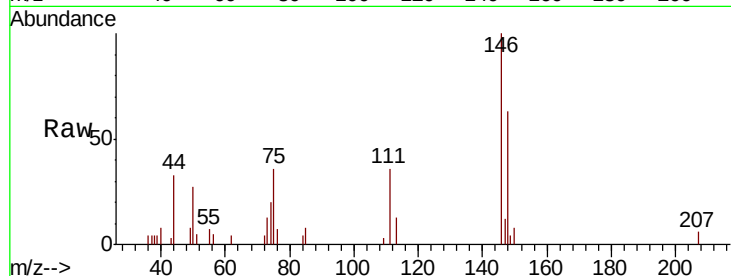
Tgt Ion:146 Resp: 5304

Ion Ratio Lower Upper

146 100

111 39.8 20.8 62.4

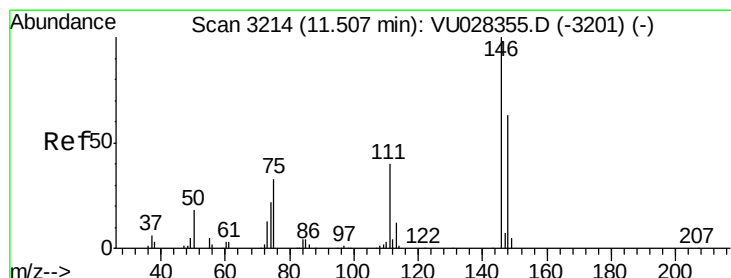
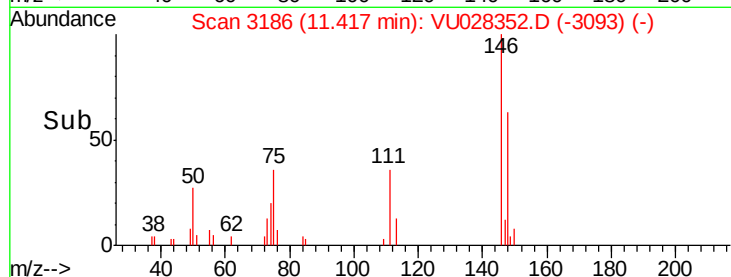
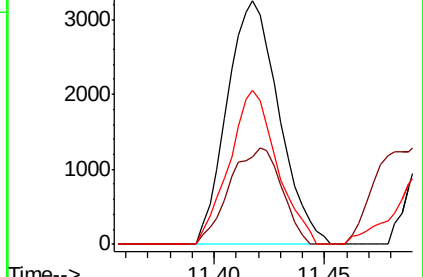
148 58.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.019 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.09 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

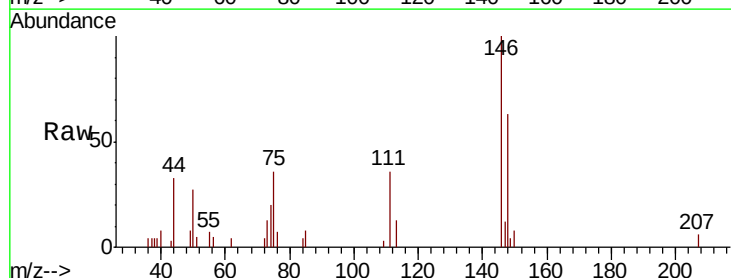
Tgt Ion:146 Resp: 5304

Ion Ratio Lower Upper

146 100

111 39.8 20.6 61.9

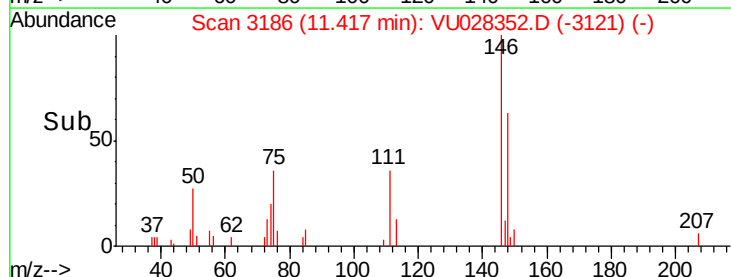
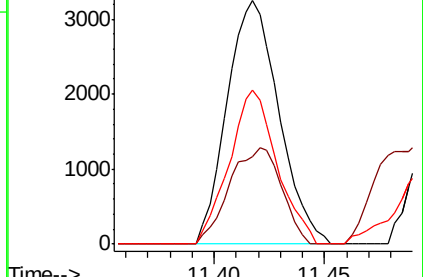
148 58.0 31.1 93.5

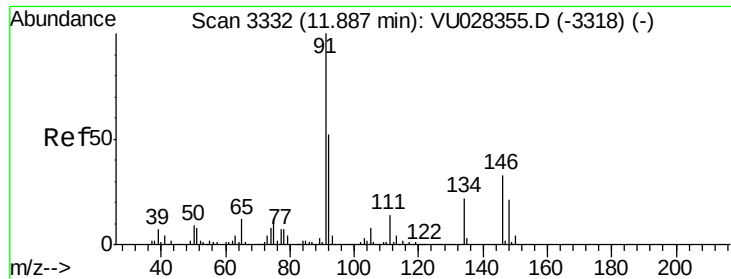


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.899 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

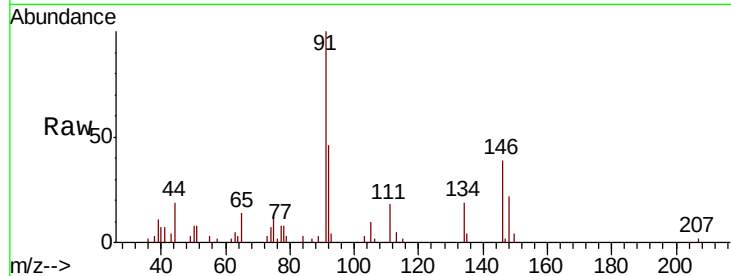
Tgt Ion: 91 Resp: 8962

Ion Ratio Lower Upper

91 100

92 44.9 26.2 78.5

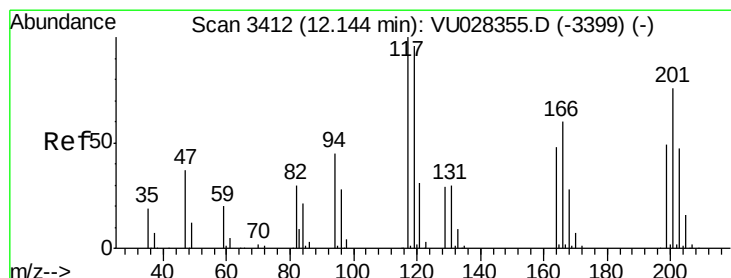
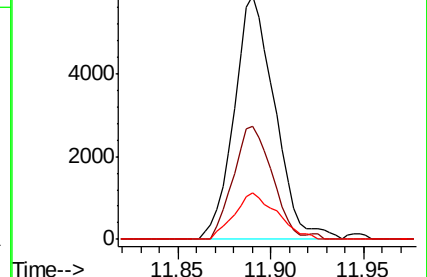
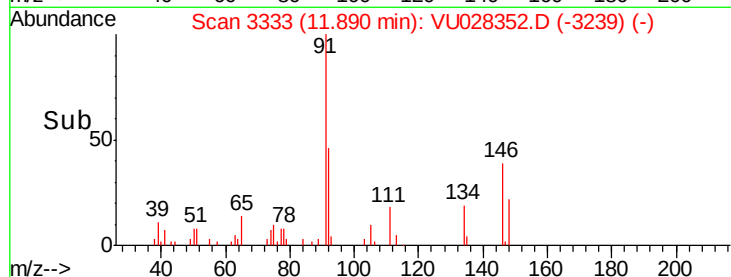
134 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VU028352.D (-3318) (-)

Ion 92.00 (91.70 to 92.70): VU028352.D (-3318) (-)

Ion 134.00 (133.70 to 134.70): VU028352.D (-3318) (-)



#90

Hexachloroethane

Concen: 0.847 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028352.D

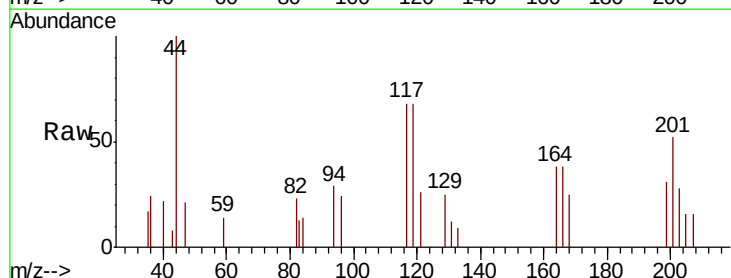
Acq: 28 Nov 2018 09:11

Tgt Ion: 117 Resp: 1335

Ion Ratio Lower Upper

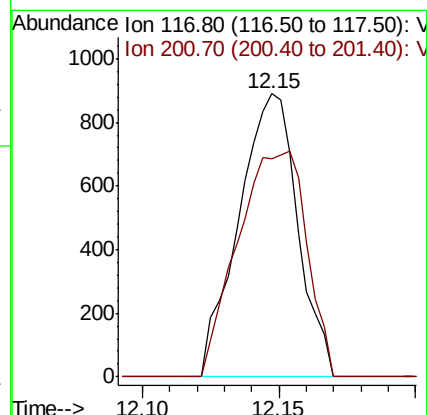
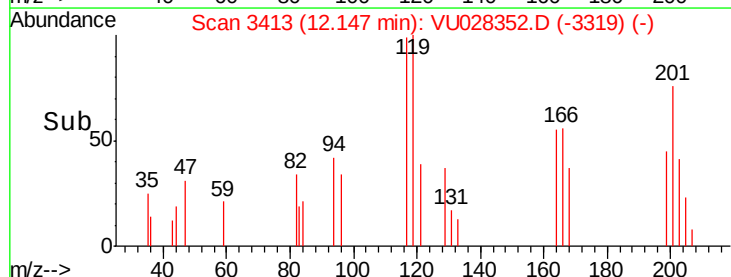
117 100

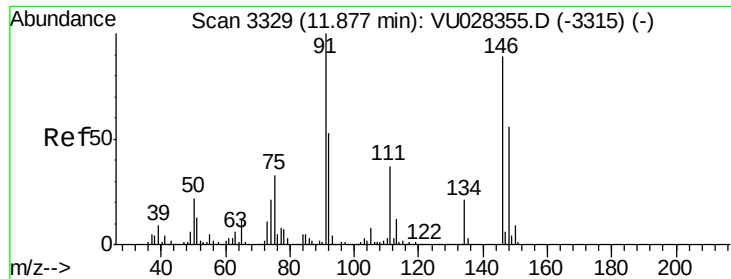
201 93.0 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028352.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028352.D (-3319) (-)

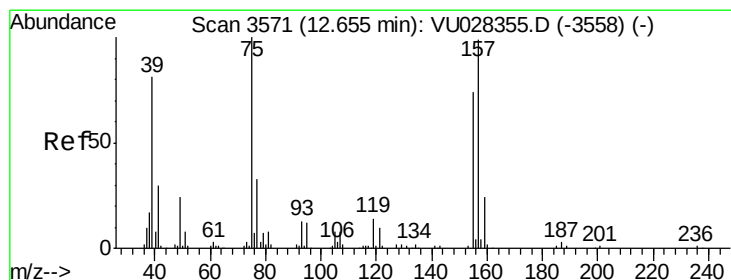
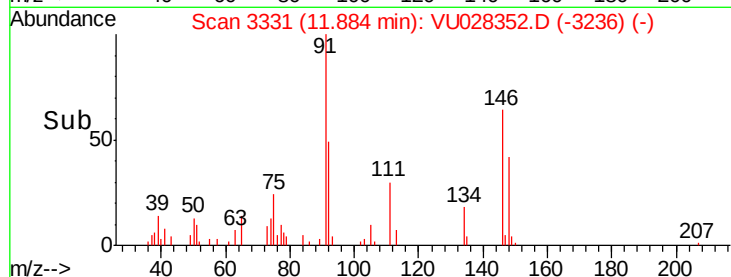
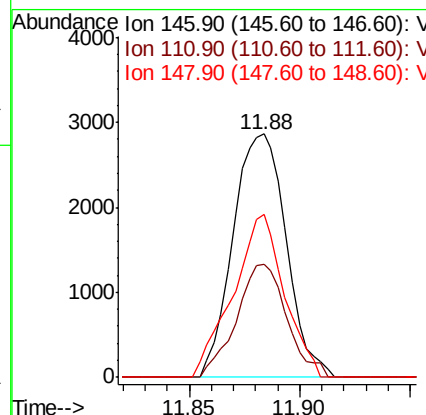
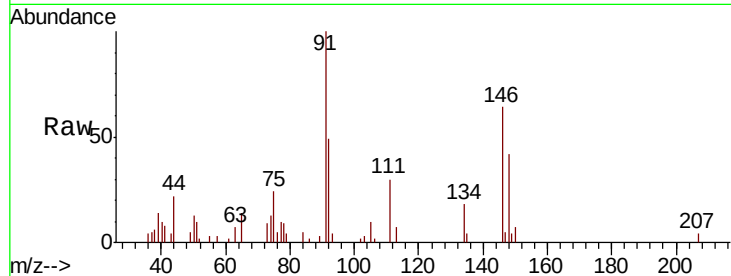




#91
 1,2-Dichlorobenzene
 Concen: 0.925 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

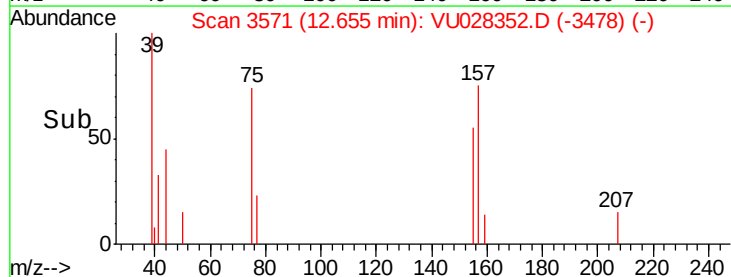
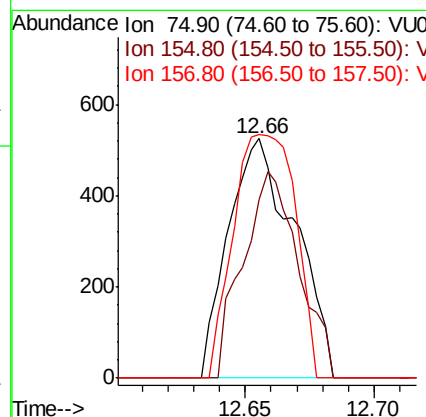
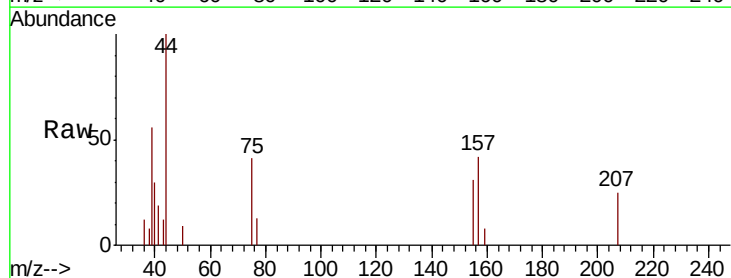
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

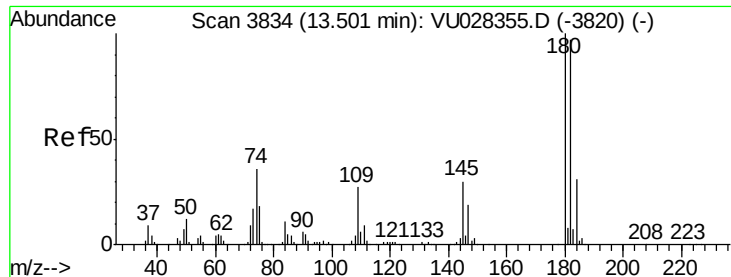
Tgt Ion:146 Resp: 4777
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.3
 148 64.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.858 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 75 Resp: 945
 Ion Ratio Lower Upper
 75 100
 155 72.3 36.9 110.7
 157 95.2 47.5 142.5

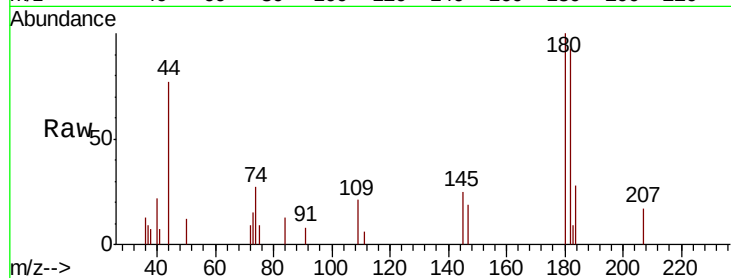




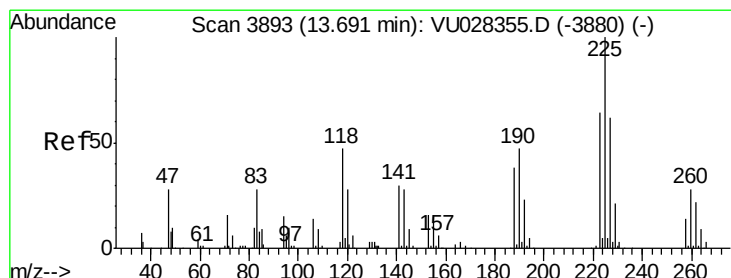
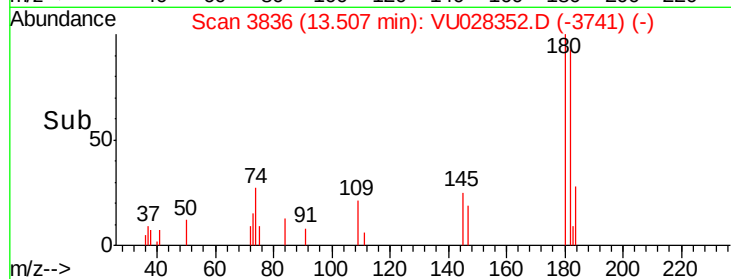
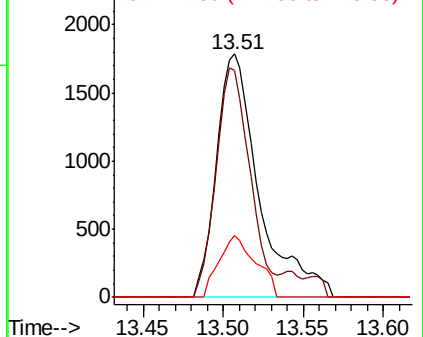
#93
 1,2,4-Trichlorobenzene
 Concen: 0.971 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 3281
 Ion Ratio Lower Upper
 180 100
 182 74.9 48.3 144.9
 145 21.6 15.2 45.5

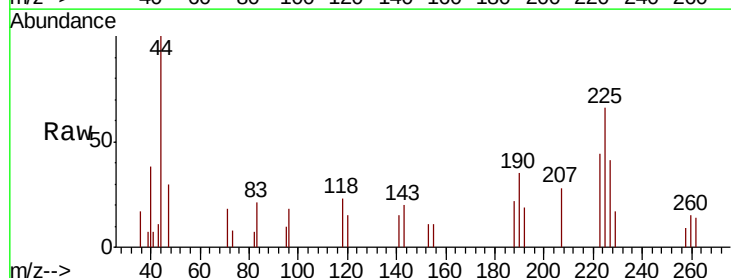


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

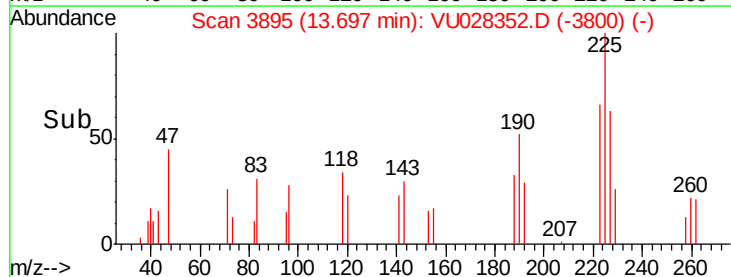
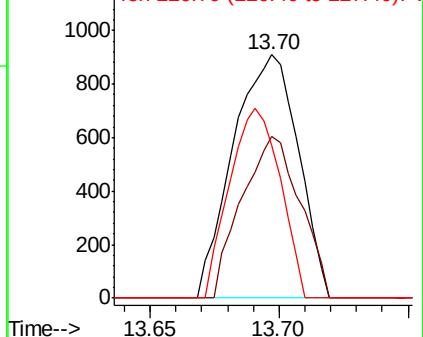


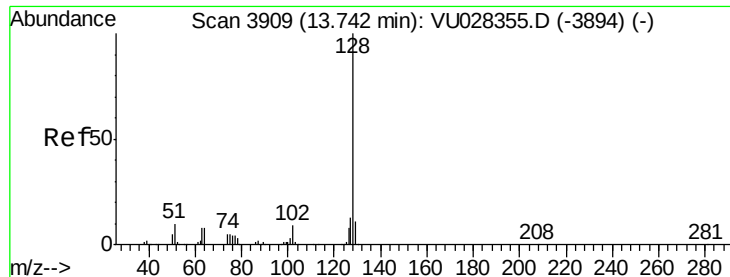
#94
 Hexachlorobutadiene
 Concen: 1.004 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:225 Resp: 1602
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.6 94.7
 227 60.5 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.714 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

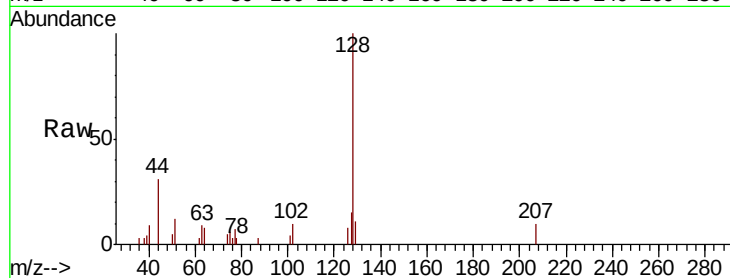
Tgt Ion:128 Resp: 8209

Ion Ratio Lower Upper

128 100

127 11.4 10.6 15.8

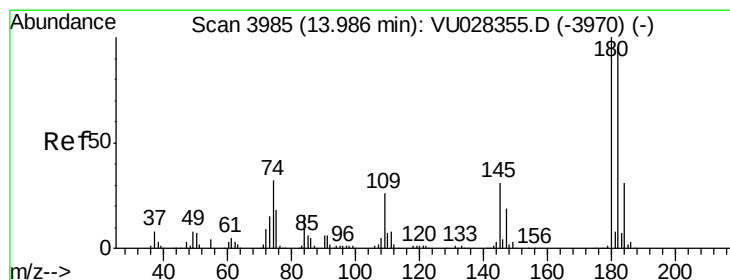
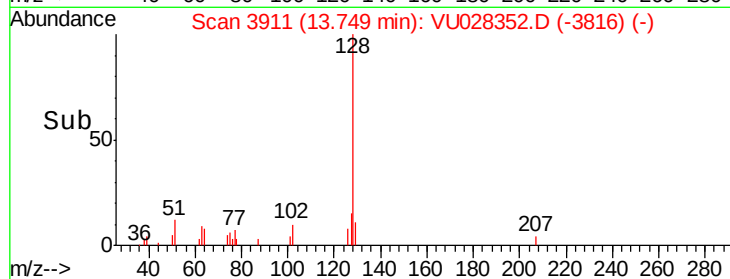
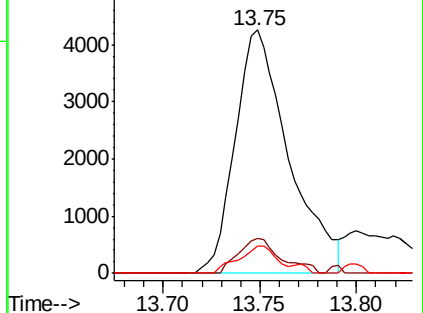
129 7.8 8.6 12.8#



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: 0.913 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

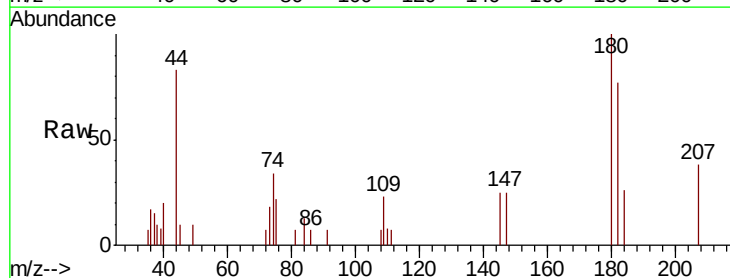
Tgt Ion:180 Resp: 3121

Ion Ratio Lower Upper

180 100

182 85.3 47.7 143.1

145 21.8 15.7 47.1



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

