

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026695.D
 Acq On : 12 Sep 2018 11:09
 Operator : MD/SY
 Sample : VU0912MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

Quant Time: Sep 13 06:50:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	121142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	189569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	180329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	102076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	94581	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.88	113	78859	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	7.57	98	283167	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.31	95	101240	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22060	16.85	ug/l	98
3) Chloromethane	1.33	50	33424	18.28	ug/l	98
4) Vinyl Chloride	1.40	62	33650	17.76	ug/l	98
5) Bromomethane	1.62	94	22757	19.17	ug/l	99
6) Chloroethane	1.69	64	21309	17.67	ug/l	97
7) Trichlorofluoromethane	1.88	101	43558	17.58	ug/l	96
8) Diethyl Ether	2.10	74	22139	20.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	26406	17.95	ug/l	97
10) Methyl Iodide	2.41	142	22279	22.80	ug/l	98
11) Tert butyl alcohol	2.83	59	43103	96.23	ug/l	99
12) 1,1-Dichloroethene	2.28	96	25932	18.65	ug/l	97
13) Acrolein	2.19	56	24533	81.27	ug/l	98
14) Allyl chloride	2.59	41	46873	18.71	ug/l	97
15) Acrylonitrile	2.94	53	100493	104.61	ug/l	100
16) Acetone	2.32	43	93390	89.76	ug/l	98
17) Carbon Disulfide	2.48	76	76345	17.25	ug/l	100
18) Methyl Acetate	2.62	43	47616	21.21	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	101561	21.21	ug/l	98
20) Methylene Chloride	2.70	84	33479	19.84	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	28133	19.20	ug/l	97
22) Diisopropyl ether	3.58	45	108280	20.71	ug/l	99
23) Vinyl Acetate	3.53	43	463682	104.41	ug/l	99
24) 1,1-Dichloroethane	3.45	63	57207	19.40	ug/l	99
25) 2-Butanone	4.26	43	139199	99.32	ug/l	99
26) 2,2-Dichloropropane	4.23	77	45351	18.71	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	34204	20.26	ug/l	97
28) Bromochloromethane	4.55	49	26013	18.45	ug/l	98
29) Tetrahydrofuran	4.64	42	88932	105.25	ug/l	98
30) Chloroform	4.67	83	57713	19.90	ug/l	100
31) Cyclohexane	5.00	56	49005	18.08	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	46696	19.45	ug/l	97
36) 1,1-Dichloropropene	5.14	75	40093	18.84	ug/l	98
37) Ethyl Acetate	4.39	43	50749	19.83	ug/l	100
38) Carbon Tetrachloride	5.14	117	39841	17.72	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026695.D
 Acq On : 12 Sep 2018 11:09
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 Sample : VU0912MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

Quant Time: Sep 13 06:50:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45992	18.20	ug/l	99
40) Benzene	5.39	78	127927	19.35	ug/l	98
41) Methacrylonitrile	4.55	41	28008	19.88	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47239	20.04	ug/l	99
43) Isopropyl Acetate	5.55	43	81779	20.98	ug/l	99
44) Trichloroethene	6.19	130	32107	19.63	ug/l	94
45) 1,2-Dichloropropane	6.44	63	35457	19.73	ug/l	97
46) Dibromomethane	6.56	93	24055	20.75	ug/l	97
47) Bromodichloromethane	6.76	83	45614	19.98	ug/l	99
48) Methyl methacrylate	6.63	41	39611	19.73	ug/l	98
49) 1,4-Dioxane	6.62	88	18122	389.92	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	262665	100.76	ug/l	99
52) Toluene	7.64	92	78214	19.87	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	50038	19.76	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	54899	20.19	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	34689	20.56	ug/l	99
56) Ethyl methacrylate	8.02	69	51510	19.94	ug/l	97
57) 1,3-Dichloropropane	8.24	76	58423	20.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	123175	96.69	ug/l	99
59) 2-Hexanone	8.36	43	200473	97.72	ug/l	99
60) Dibromochloromethane	8.48	129	36603	20.03	ug/l	99
61) 1,2-Dibromoethane	8.59	107	36461	19.92	ug/l	99
64) Tetrachloroethene	8.23	164	27281	19.01	ug/l	95
65) Chlorobenzene	9.12	112	87502	19.53	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	32655	19.81	ug/l	99
67) Ethyl Benzene	9.25	91	142487	19.31	ug/l	100
68) m/p-Xylenes	9.38	106	110207	39.26	ug/l	100
69) o-Xylene	9.78	106	54934	19.10	ug/l	100
70) Styrene	9.79	104	90403	19.09	ug/l	99
71) Bromoform	9.96	173	29033	20.25	ug/l #	99
73) Isopropylbenzene	10.17	105	143297	20.60	ug/l	100
74) N-amyl acetate	10.02	43	69507	21.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	57650	20.34	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	63807	27.91	ug/l	82
77) Bromobenzene	10.45	156	38842	20.55	ug/l	99
78) n-propylbenzene	10.59	91	163890	20.26	ug/l	99
79) 2-Chlorotoluene	10.66	91	101159	20.17	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	120176	20.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	63807	79.67	ug/l #	100
82) 4-Chlorotoluene	10.77	91	115618	20.52	ug/l	99
83) tert-Butylbenzene	11.10	119	120800	20.36	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	125506	21.28	ug/l	100
85) sec-Butylbenzene	11.33	105	142973	20.29	ug/l	99
86) p-Isopropyltoluene	11.48	119	125164	19.14	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	69511	19.71	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	69669	19.02	ug/l	98
89) n-Butylbenzene	11.89	91	106465	18.52	ug/l	98
90) Hexachloroethane	12.15	117	23663	19.03	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	70882	19.98	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11992	21.10	ug/l	96

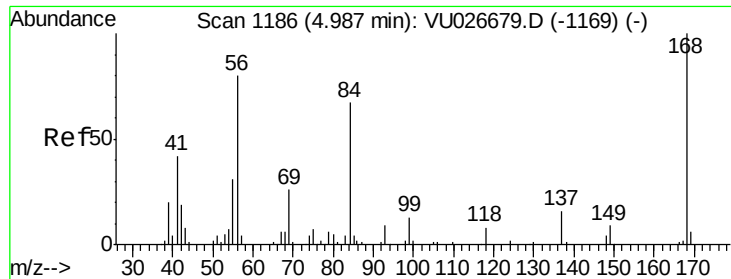
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
Data File : VU026695.D
Acq On : 12 Sep 2018 11:09
Operator : MD/SY
Sample : VU0912MBSD01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

Quant Time: Sep 13 06:50:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	48385	20.54	ug/l	99
94) Hexachlorobutadiene	13.69	225	23330	19.25	ug/l	100
95) Naphthalene	13.75	128	160376	20.84	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	51612	20.98	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

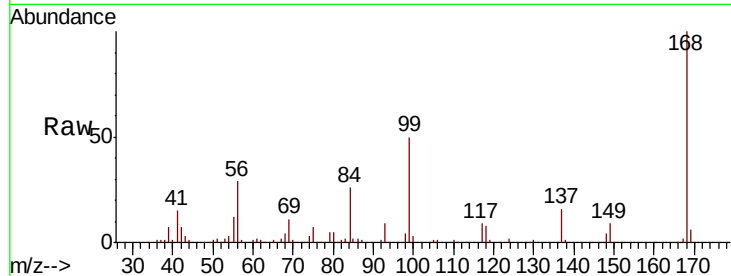
VU0912MBSD02

Tot Ion:168 Resp: 121142

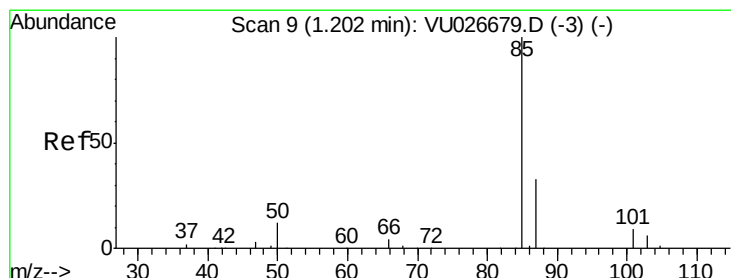
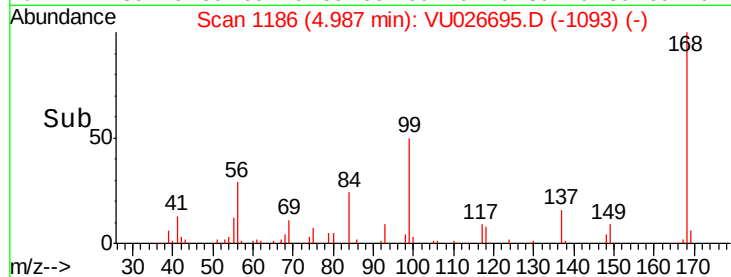
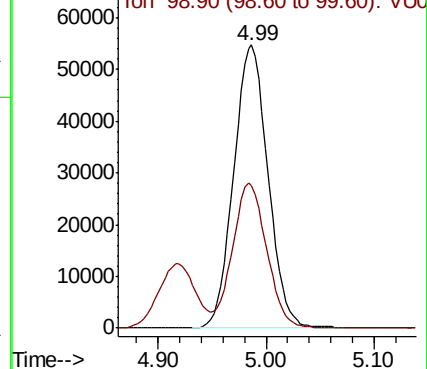
Ion Ratio Lower Upper

168 100

99 50.4 42.0 63.0



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



#2

Dichlorodifluoromethane

Concen: 16.85 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026695.D

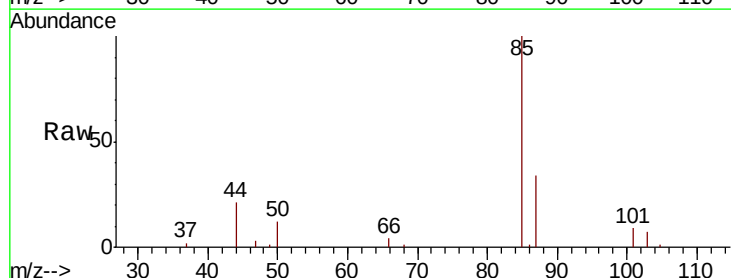
Acq: 12 Sep 2018 11:09

Tgt Ion: 85 Resp: 22060

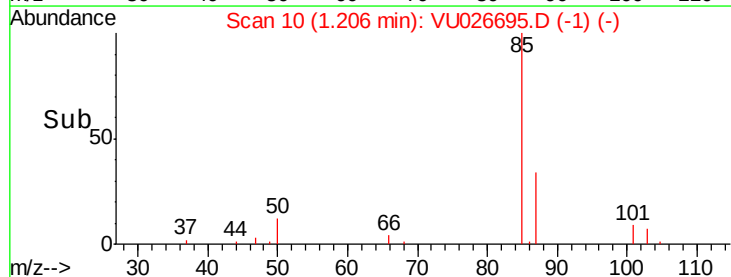
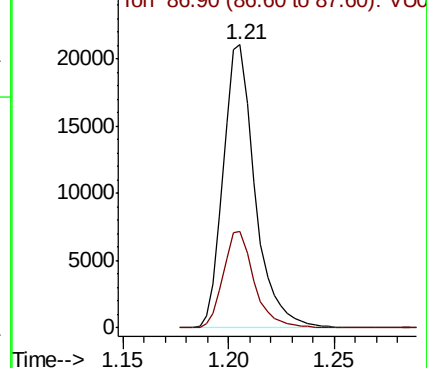
Ion Ratio Lower Upper

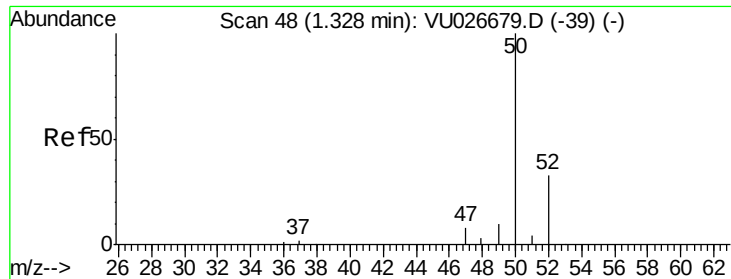
85 100

87 34.0 16.6 49.7



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

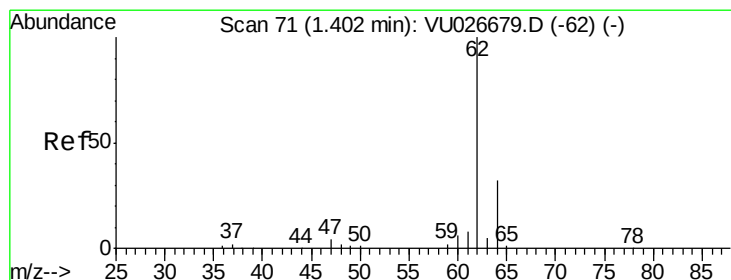
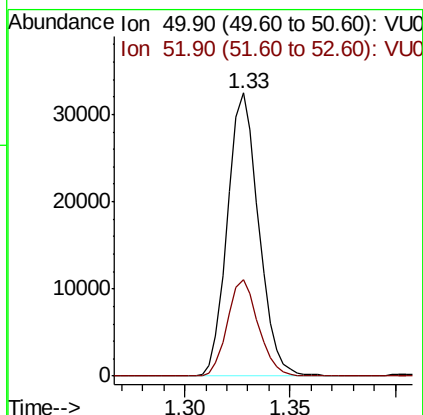
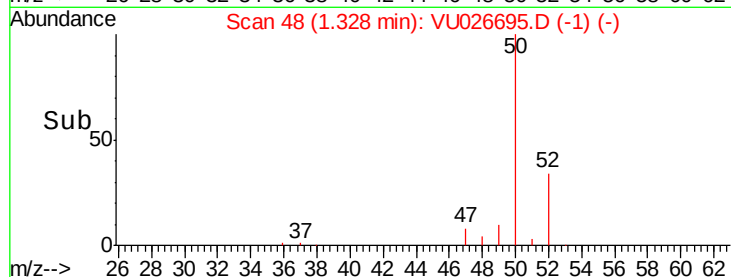
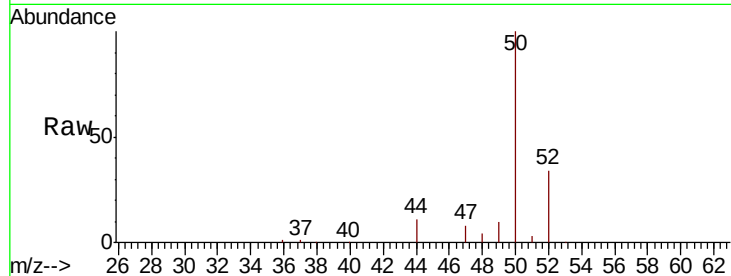




#3
Chloromethane
Concen: 18.28 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

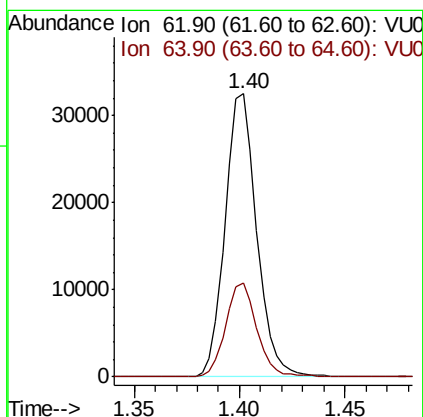
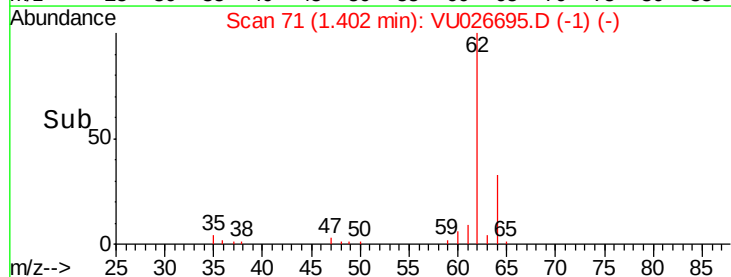
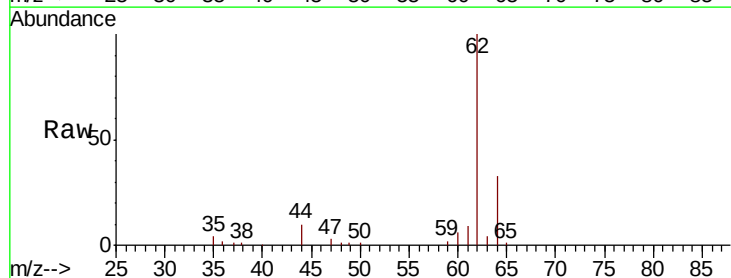
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

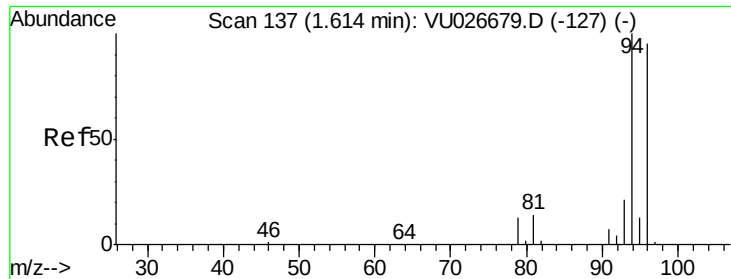
Tot Ion: 50 Resp: 33424
Ion Ratio Lower Upper
50 100
52 34.0 26.3 39.5



#4
Vinyl Chloride
Concen: 17.76 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 62 Resp: 33650
Ion Ratio Lower Upper
62 100
64 33.2 25.6 38.4

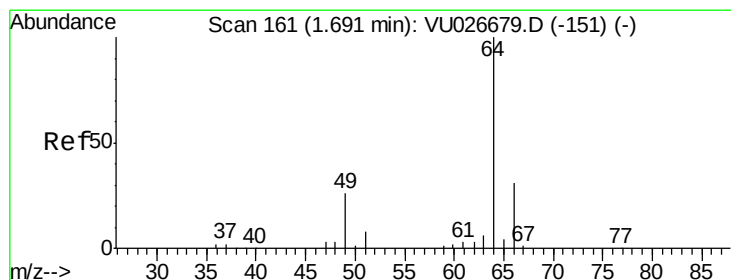
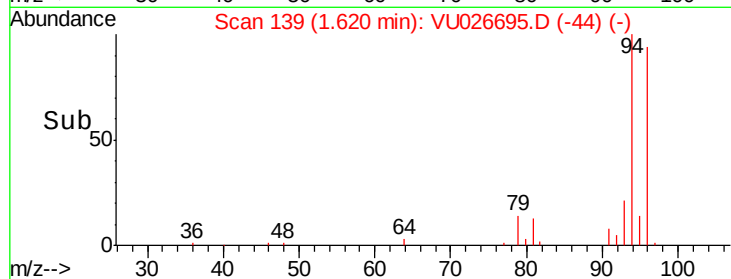
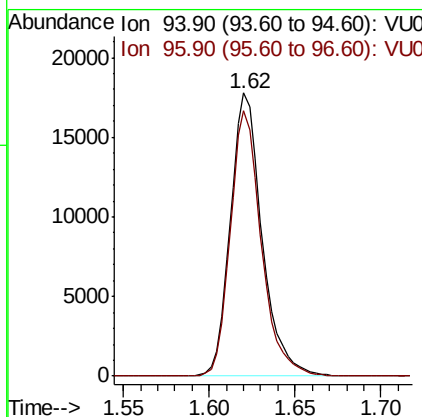
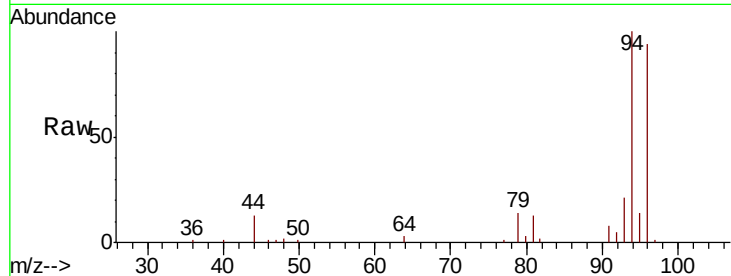




#5
 Bromomethane
 Concen: 19.17 ug/l
 RT: 1.62 min Scan# 139
 Delta R.T. 0.01 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

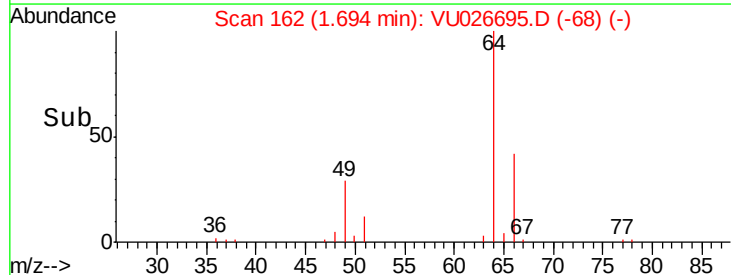
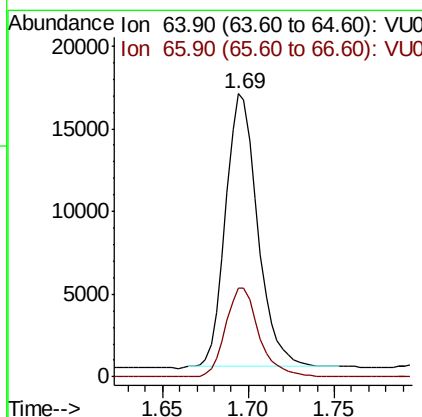
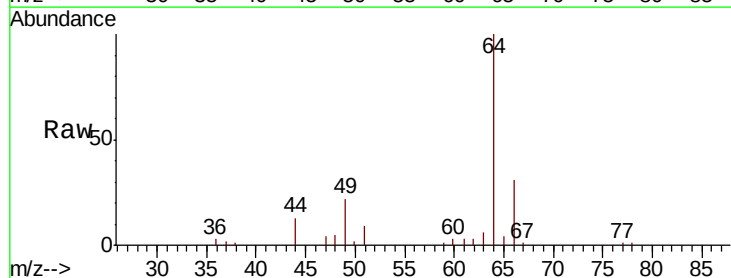
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

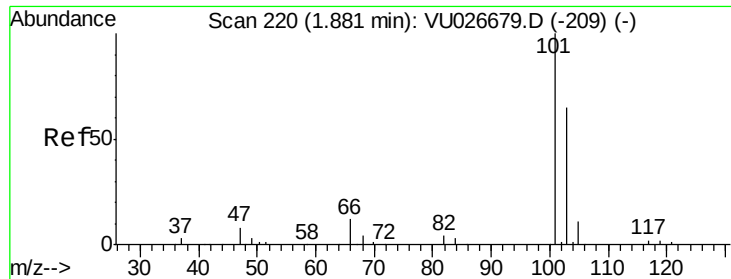
Tot Ion: 94 Resp: 22757
 Ion Ratio Lower Upper
 94 100
 96 93.9 75.8 113.6



#6
 Chloroethane
 Concen: 17.67 ug/l
 RT: 1.69 min Scan# 162
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion: 64 Resp: 21309
 Ion Ratio Lower Upper
 64 100
 66 32.4 24.7 37.1



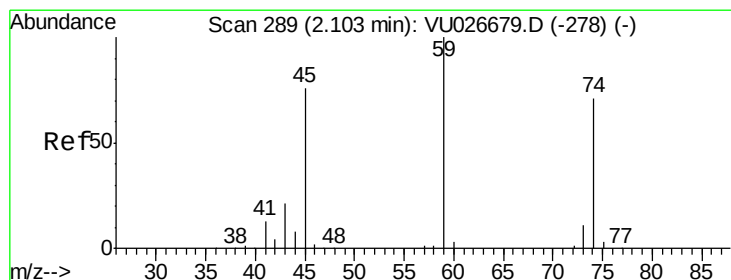
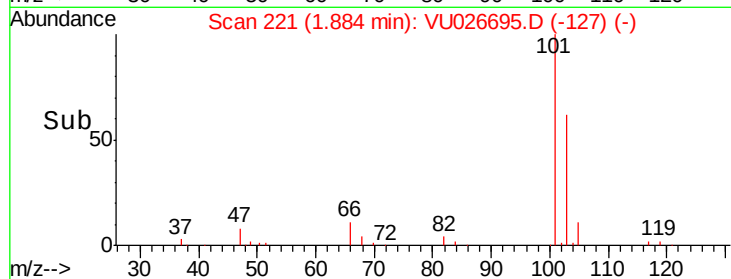
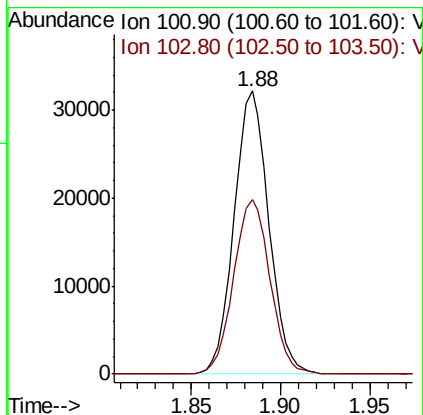
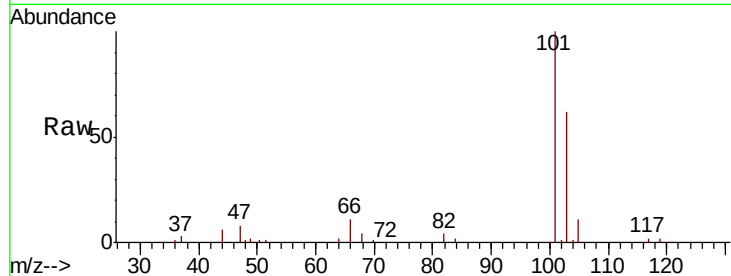


#7

Trichlorofluoromethane
Concen: 17.58 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

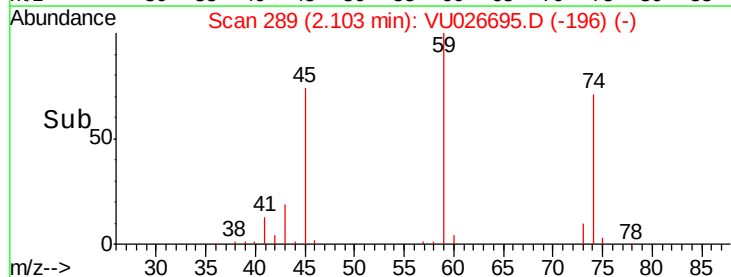
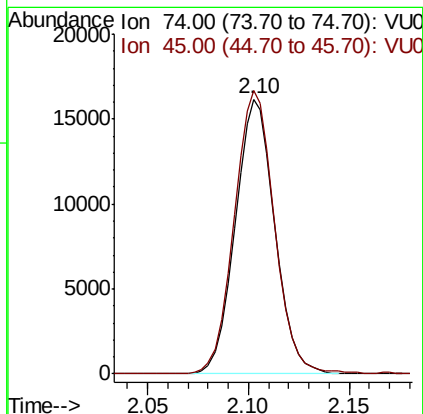
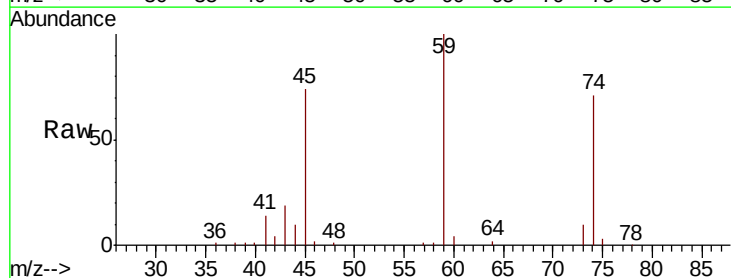
Tot Ion:101 Resp: 43558
Ion Ratio Lower Upper
101 100
103 61.7 51.7 77.5

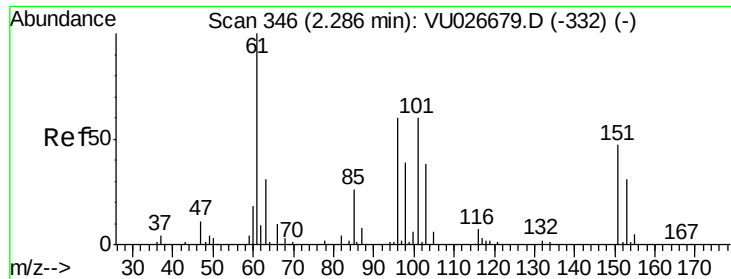


#8

Diethyl Ether
Concen: 20.39 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 74 Resp: 22139
Ion Ratio Lower Upper
74 100
45 105.0 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.95 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

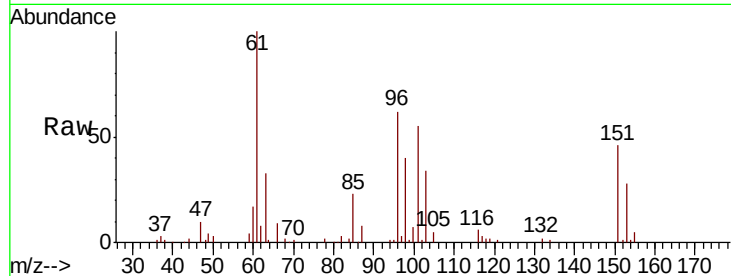
Tot Ion:101 Resp: 26406

Ion Ratio Lower Upper

101 100

85 42.4 34.6 52.0

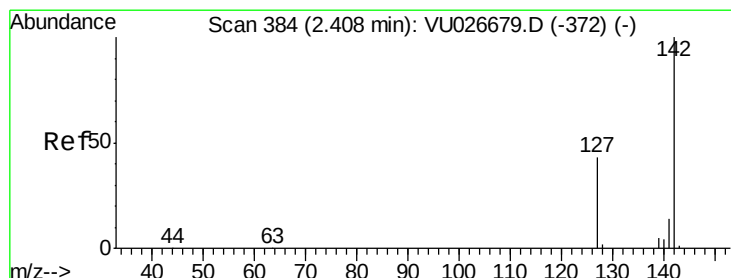
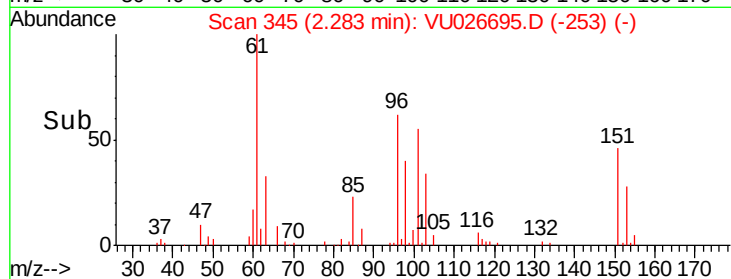
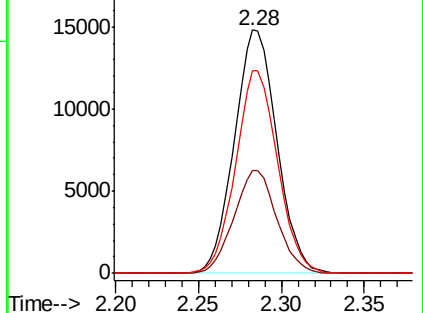
151 82.1 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.80 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

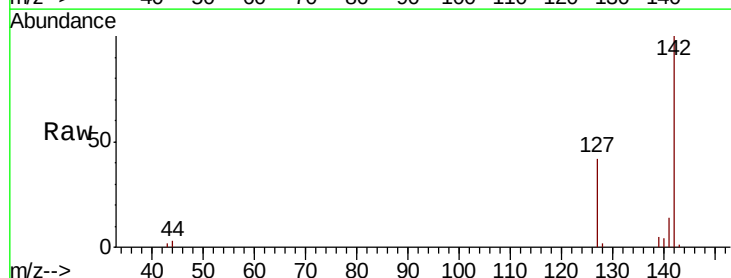
Tgt Ion:142 Resp: 22279

Ion Ratio Lower Upper

142 100

127 40.9 34.1 51.1

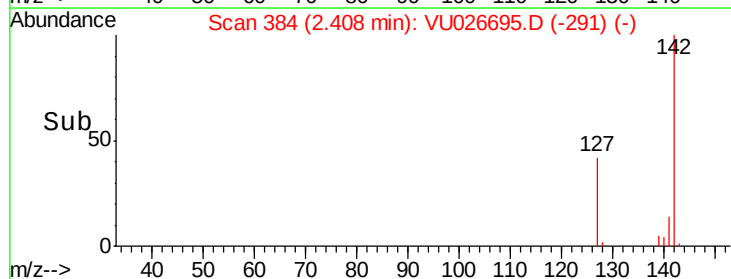
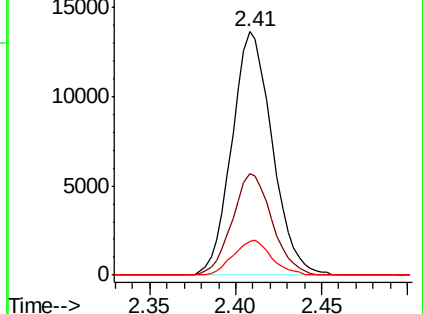
141 13.5 11.2 16.8

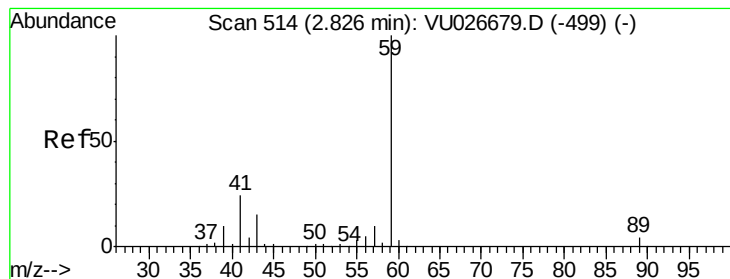


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.23 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

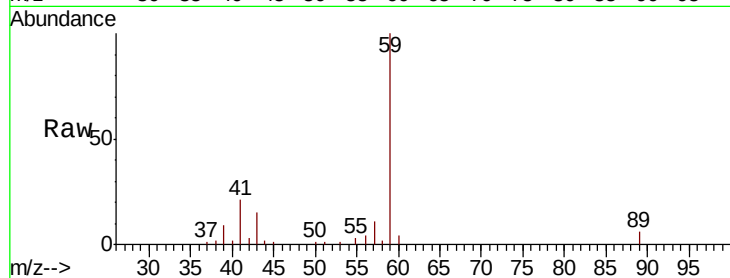
VU0912MBSD02

Tot Ion: 59 Resp: 43103

Ion Ratio Lower Upper

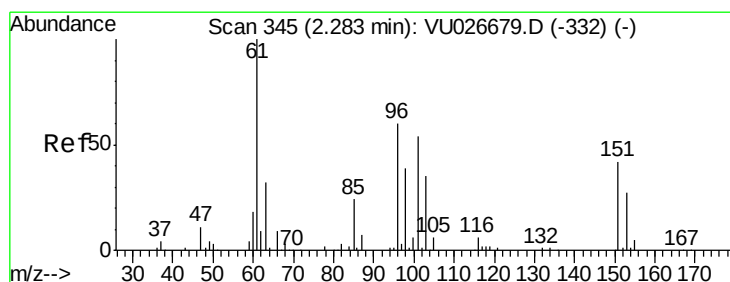
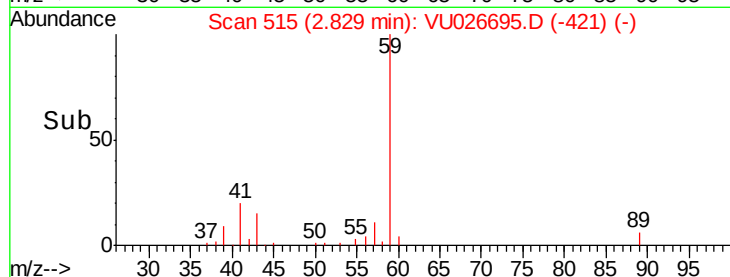
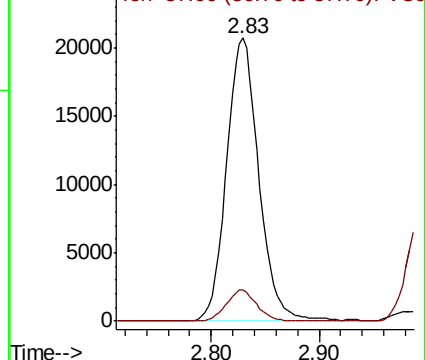
59 100

57 10.2 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 18.65 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

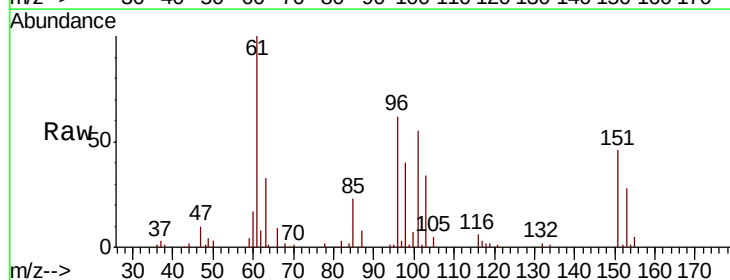
Tgt Ion: 96 Resp: 25932

Ion Ratio Lower Upper

96 100

61 160.3 133.0 199.6

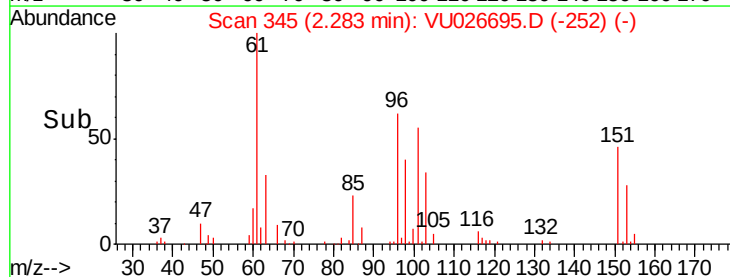
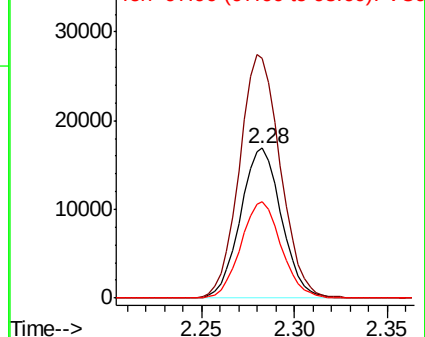
98 64.8 51.3 76.9

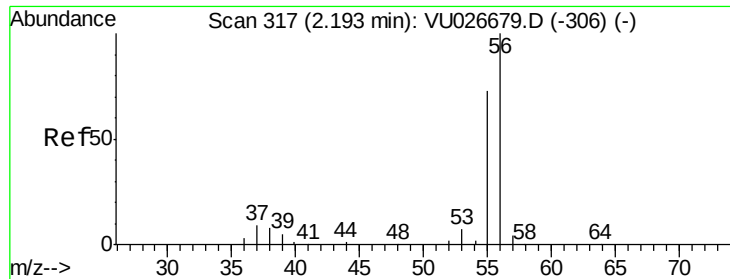


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 81.27 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

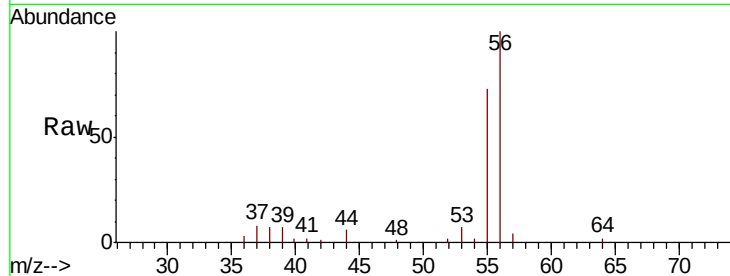
VU0912MBSD02

Tot Ion: 56 Resp: 24533

Ion Ratio Lower Upper

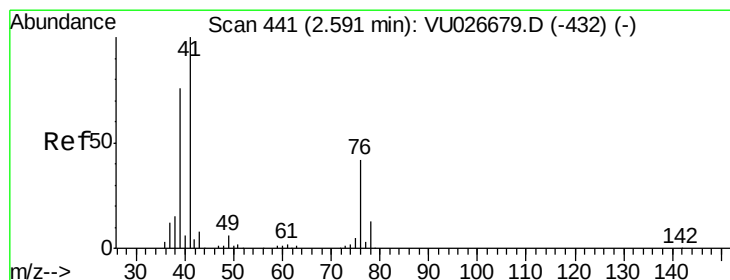
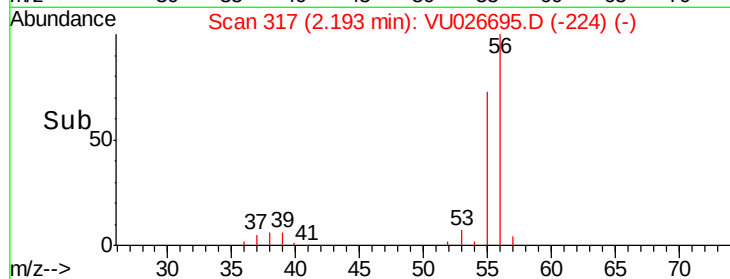
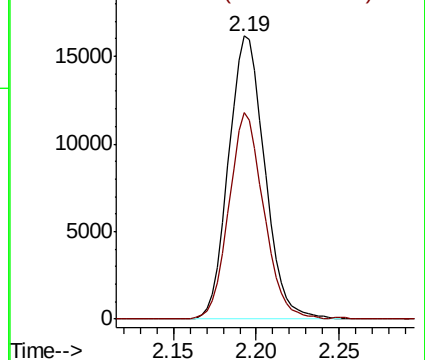
56 100

55 70.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.71 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

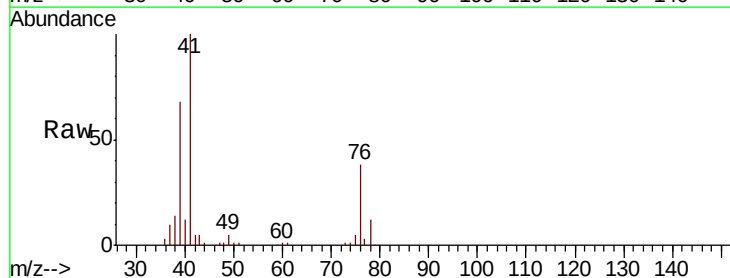
Tgt Ion: 41 Resp: 46873

Ion Ratio Lower Upper

41 100

39 68.0 56.9 85.3

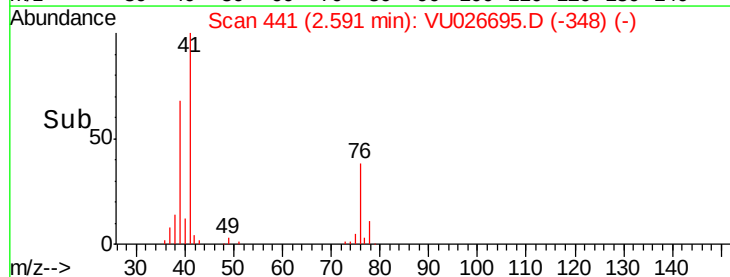
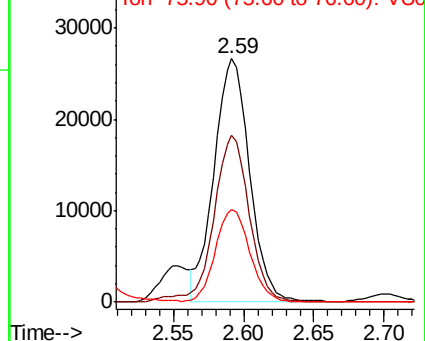
76 36.8 29.7 44.5

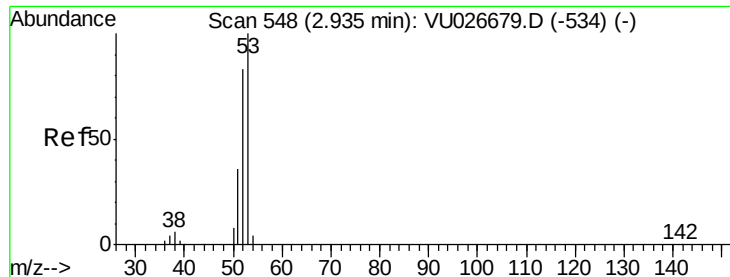


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 104.61 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

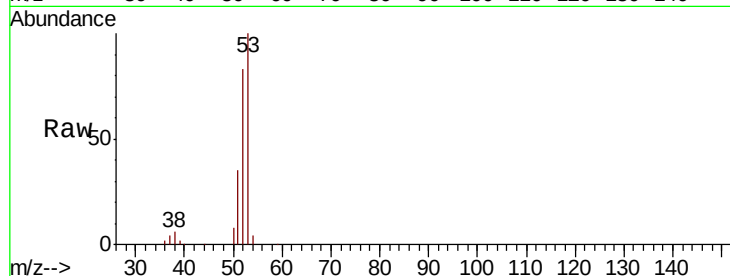
Tot Ion: 53 Resp: 100493

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.8

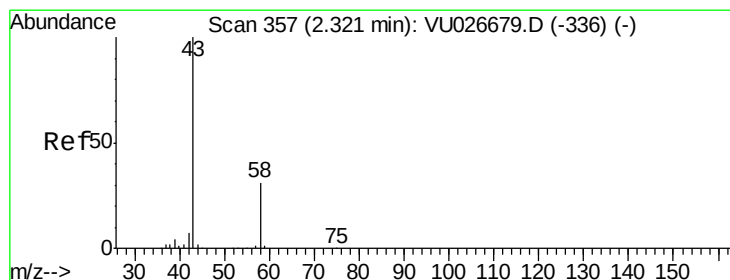
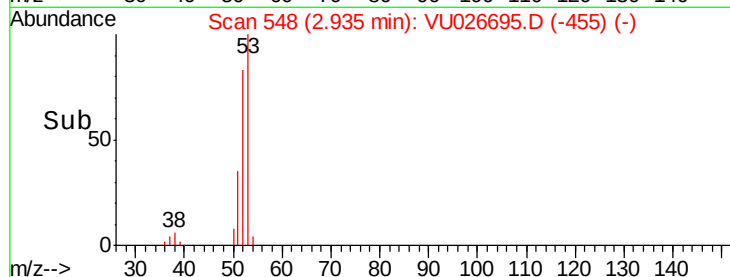
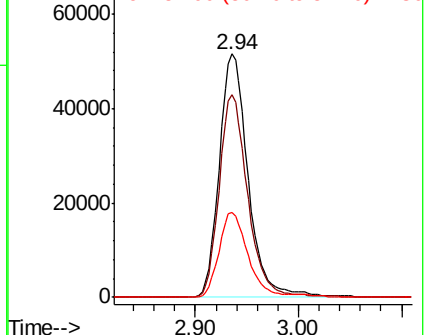
51 34.8 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 89.76 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026695.D

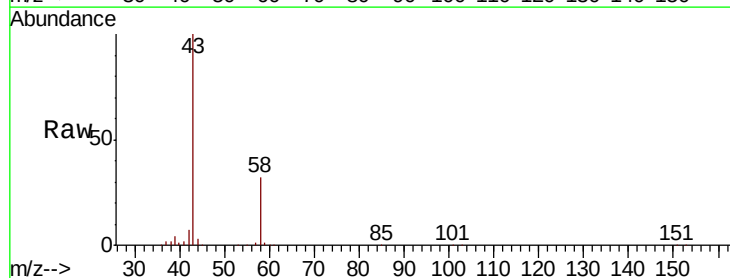
Acq: 12 Sep 2018 11:09

Tgt Ion: 43 Resp: 93390

Ion Ratio Lower Upper

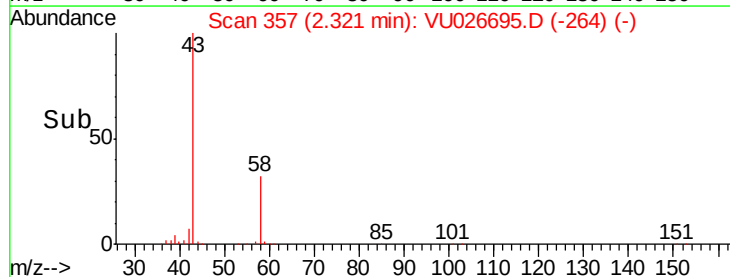
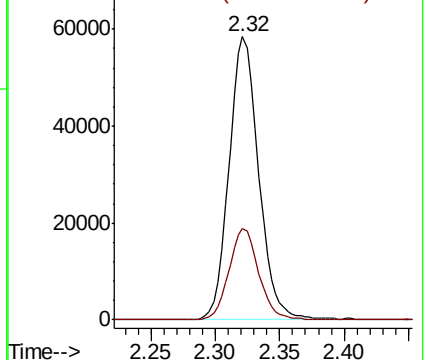
43 100

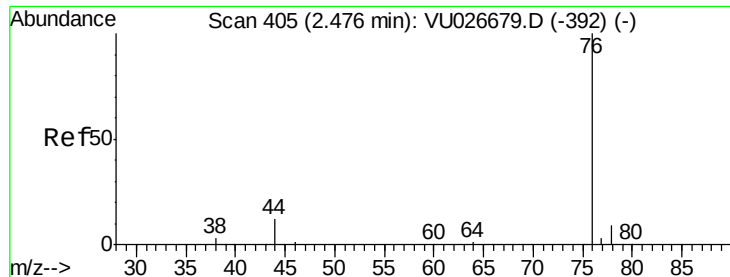
58 32.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.25 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

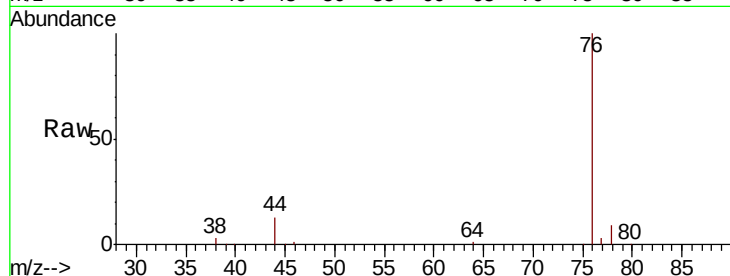
VU0912MBSD02

Tot Ion: 76 Resp: 76345

Ion Ratio Lower Upper

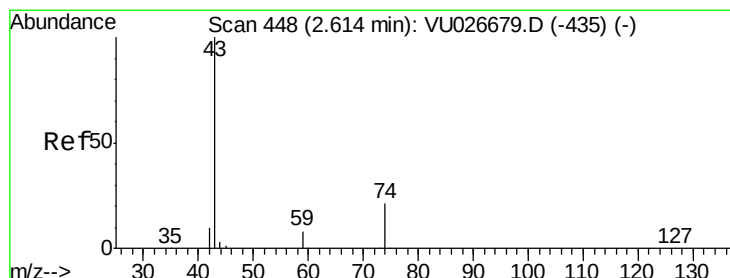
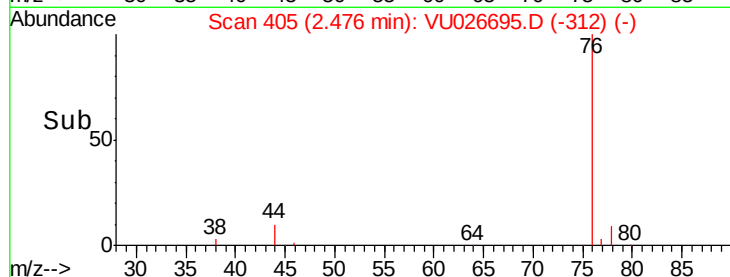
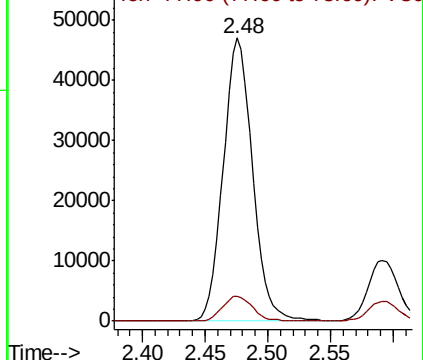
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.21 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026695.D

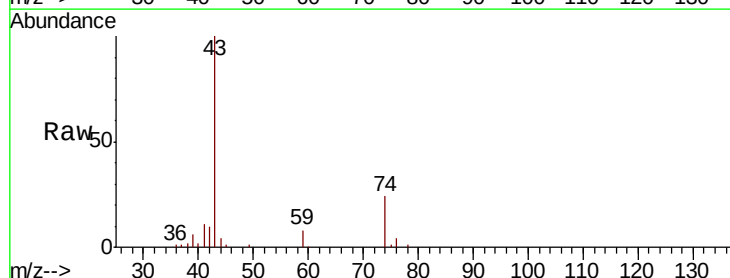
Acq: 12 Sep 2018 11:09

Tgt Ion: 43 Resp: 47616

Ion Ratio Lower Upper

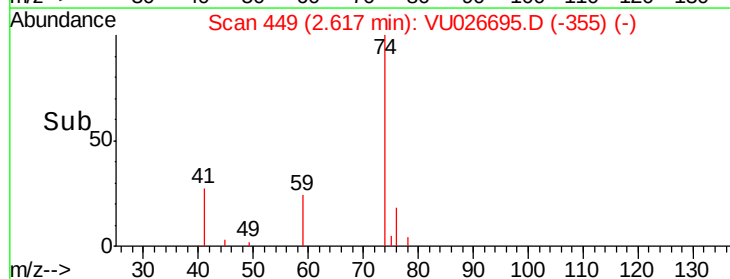
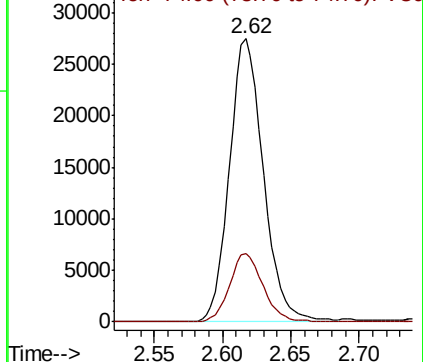
43 100

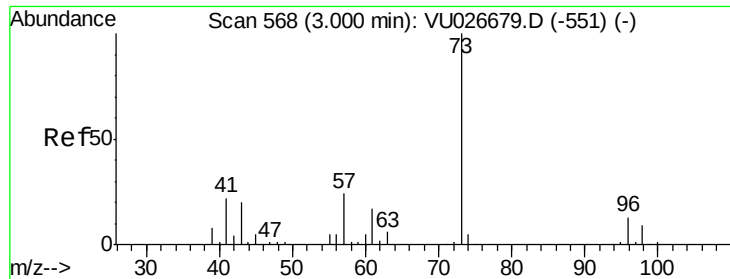
74 23.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

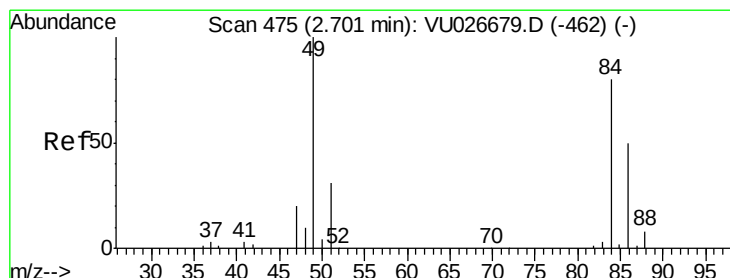
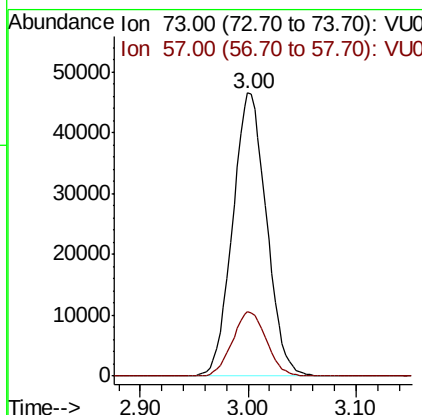
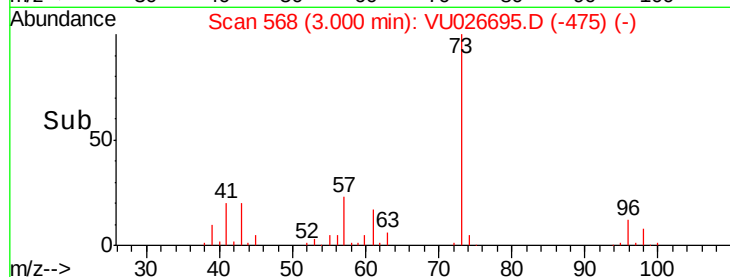
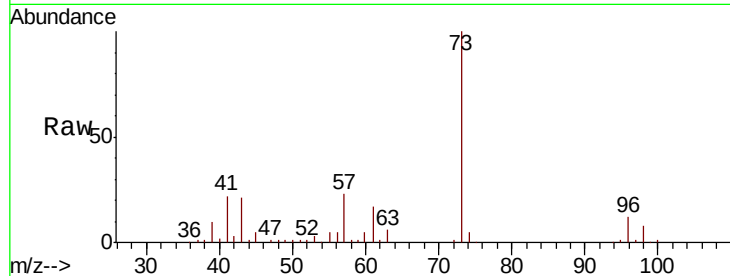




#19
Methyl tert-butyl Ether
Concen: 21.21 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

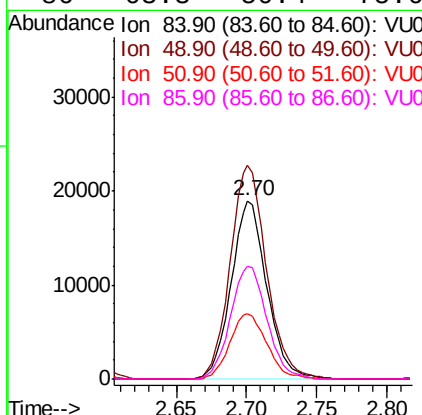
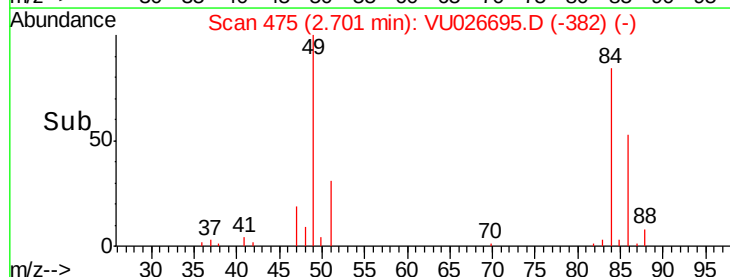
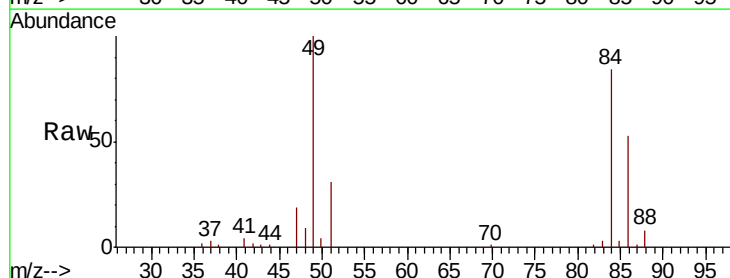
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

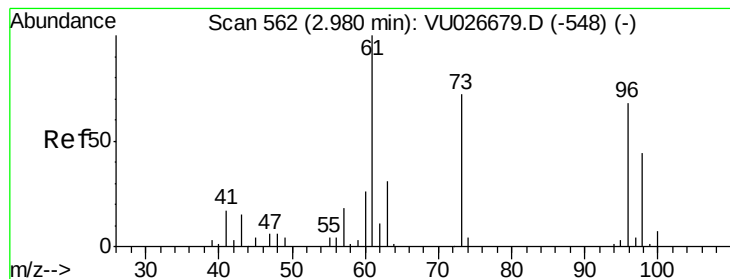
Tot Ion: 73 Resp: 101561
Ion Ratio Lower Upper
73 100
57 22.7 18.9 28.3



#20
Methylene Chloride
Concen: 19.84 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 84 Resp: 33479
Ion Ratio Lower Upper
84 100
49 119.7 100.6 151.0
51 36.8 30.9 46.3
86 63.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.20 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

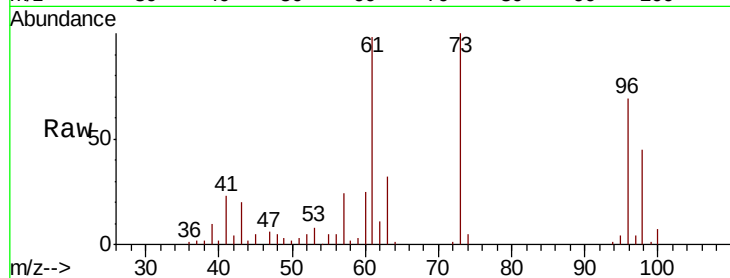
Tot Ion: 96 Resp: 28133

Ion Ratio Lower Upper

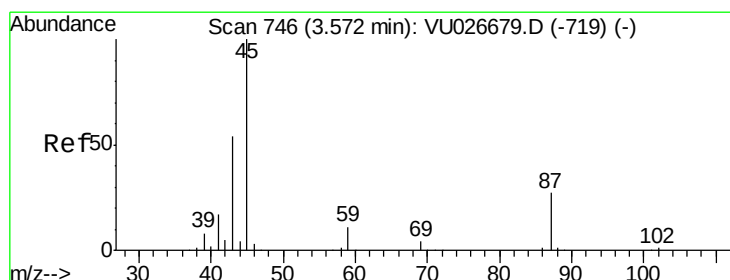
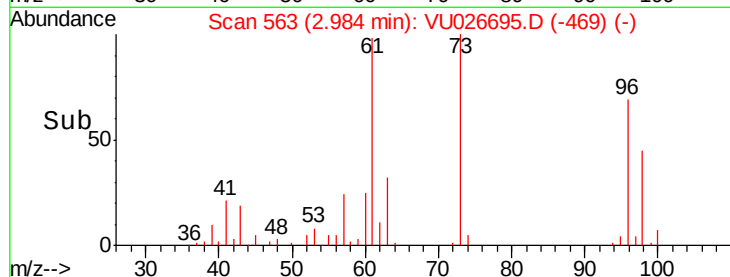
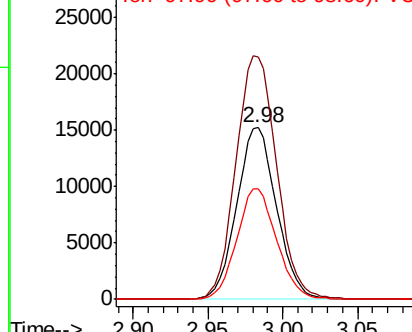
96 100

61 141.5 117.7 176.5

98 64.5 52.0 78.0



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



#22

Diisopropyl ether

Concen: 20.71 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Tgt Ion: 45 Resp: 108280

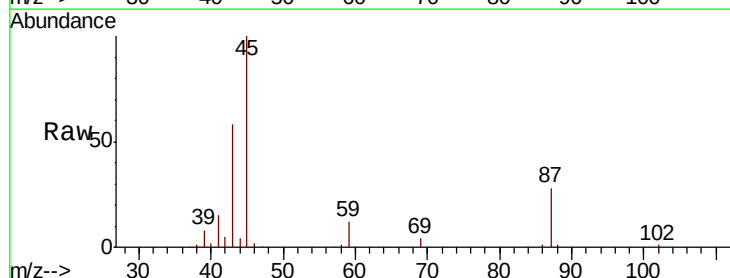
Ion Ratio Lower Upper

45 100

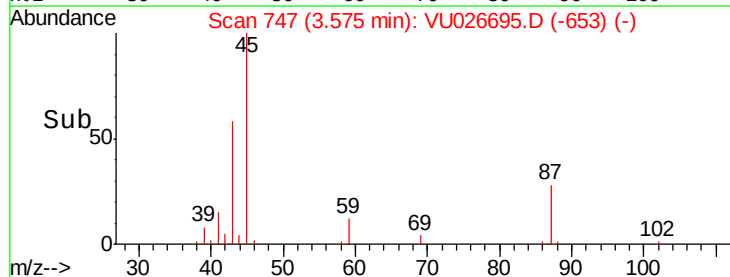
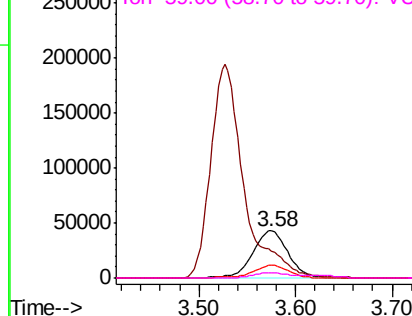
43 55.9 44.6 67.0

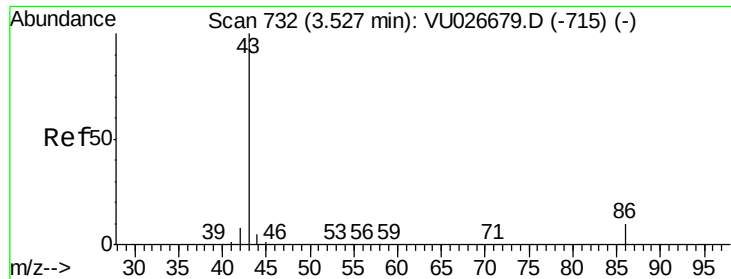
87 28.5 21.4 32.0

59 11.6 9.0 13.4



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: 104.41 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

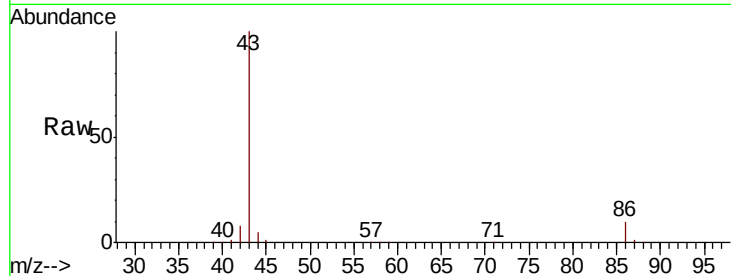
VU0912MBSD02

Tot Ion: 43 Resp: 463682

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

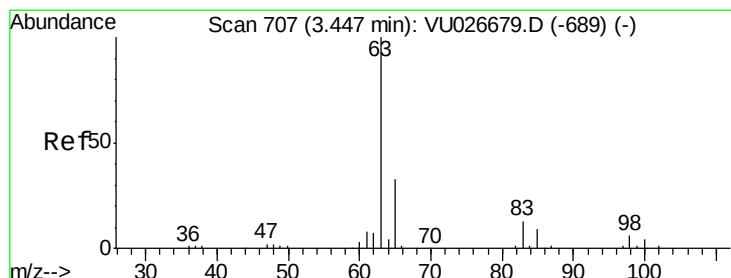
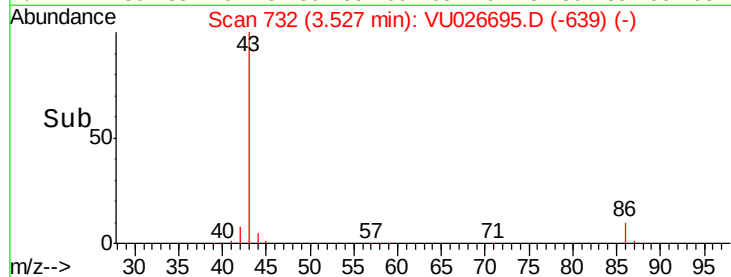
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.40 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

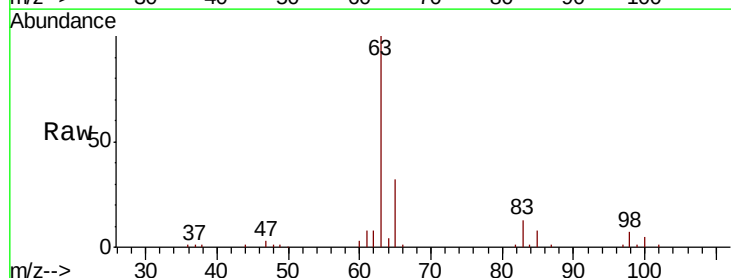
Tgt Ion: 63 Resp: 57207

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

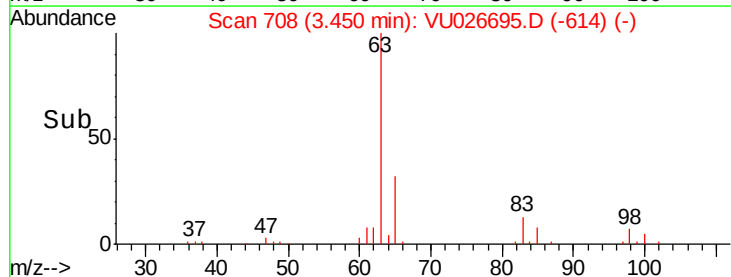
30000

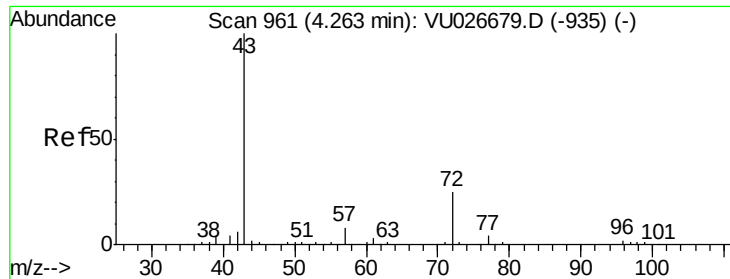
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.32 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

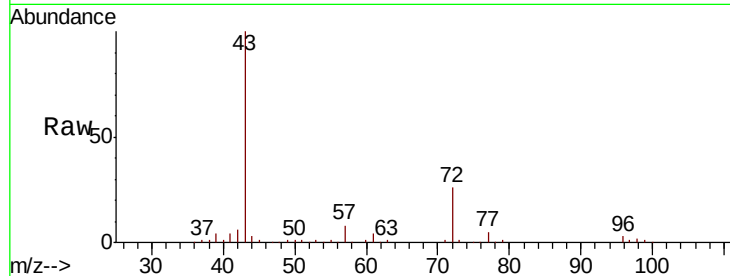
VU0912MBSD02

Tot Ion: 43 Resp: 139199

Ion Ratio Lower Upper

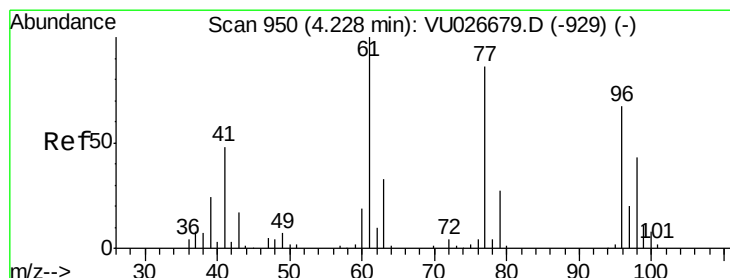
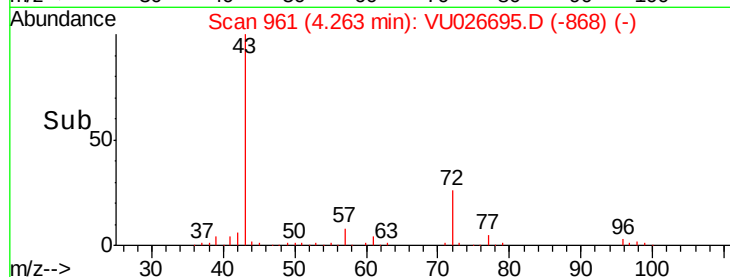
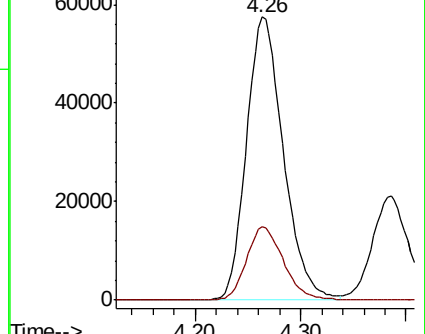
43 100

72 26.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.71 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026695.D

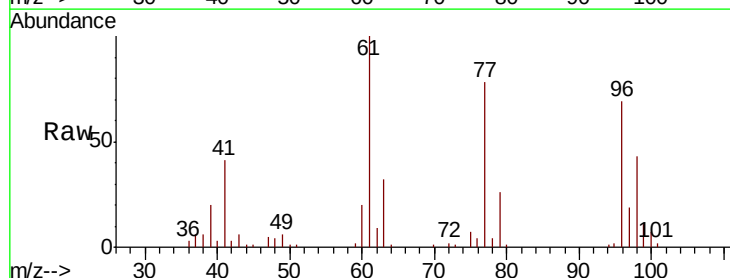
Acq: 12 Sep 2018 11:09

Tgt Ion: 77 Resp: 45351

Ion Ratio Lower Upper

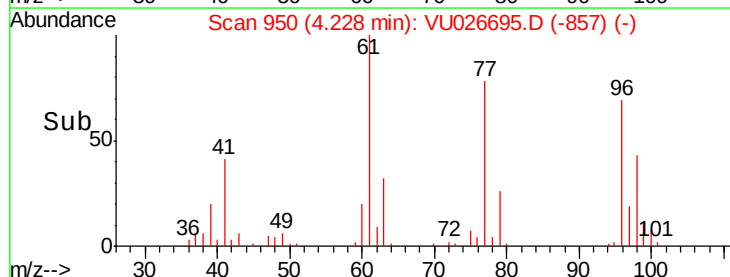
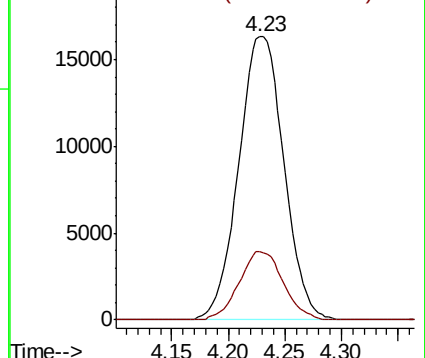
77 100

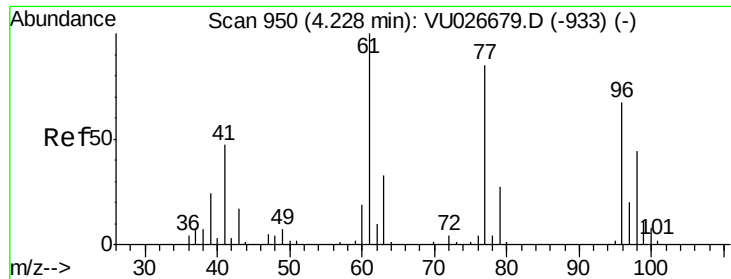
97 23.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 20.26 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

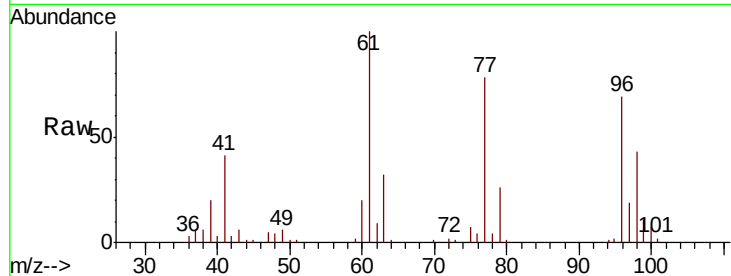
Tot Ion: 96 Resp: 34204

Ion Ratio Lower Upper

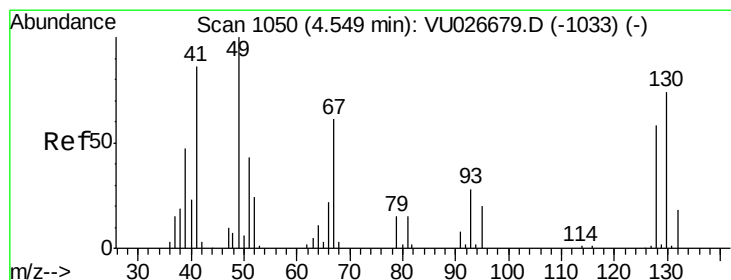
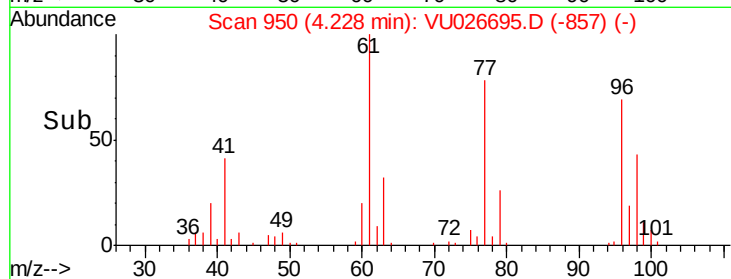
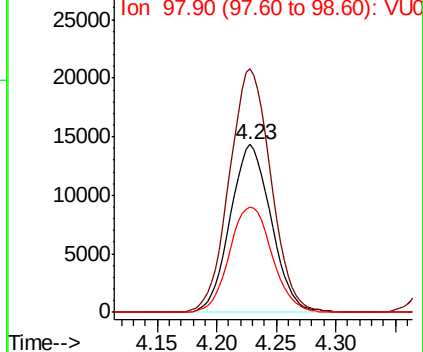
96 100

61 147.2 0.0 301.8

98 65.1 0.0 127.2



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



#28

Bromochloromethane

Concen: 18.45 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

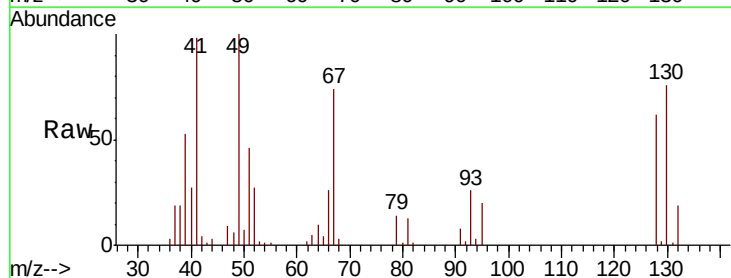
Tgt Ion: 49 Resp: 26013

Ion Ratio Lower Upper

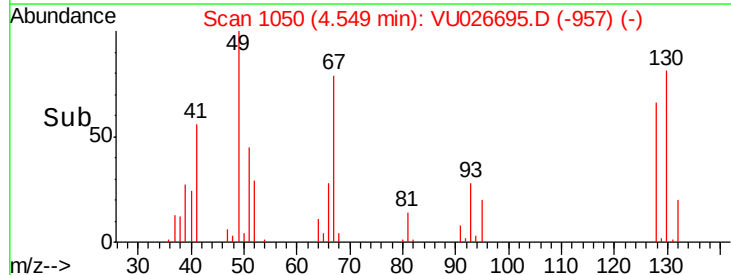
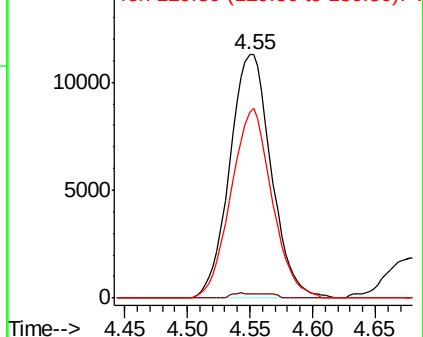
49 100

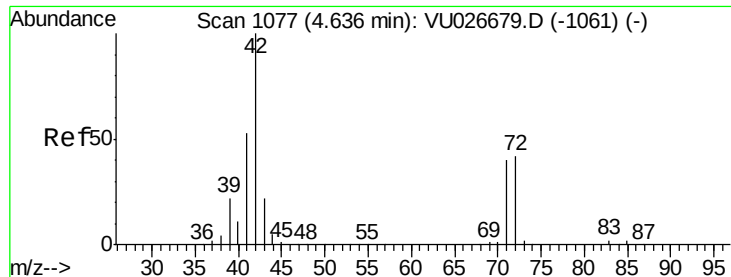
129 1.2 0.0 3.8

130 76.7 59.8 89.6



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





#29

Tetrahydrofuran

Concen: 105.25 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

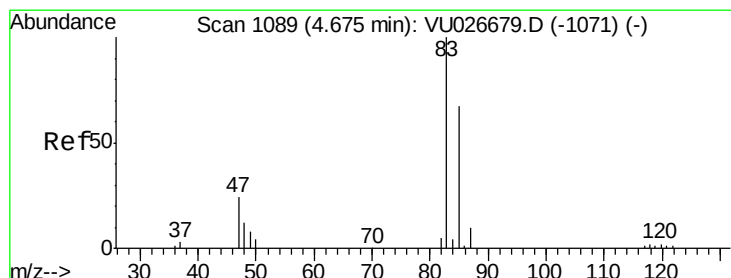
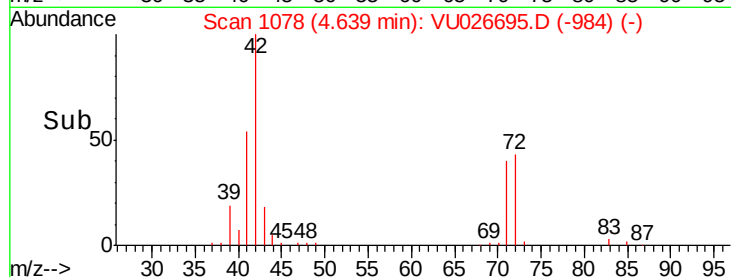
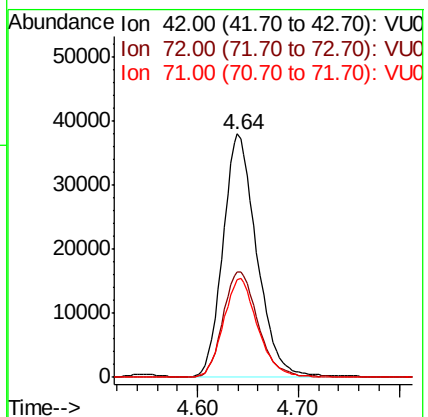
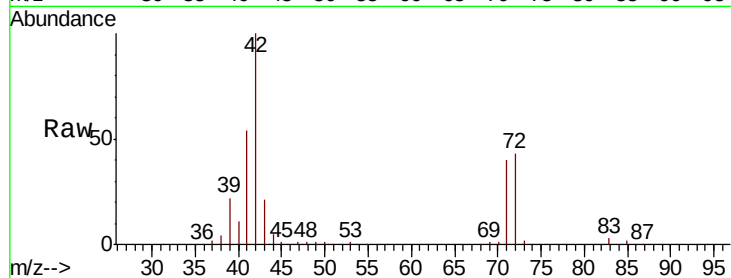
Tot Ion: 42 Resp: 88932

Ion Ratio Lower Upper

42 100

72 44.8 34.4 51.6

71 41.2 32.4 48.6



#30

Chloroform

Concen: 19.90 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026695.D

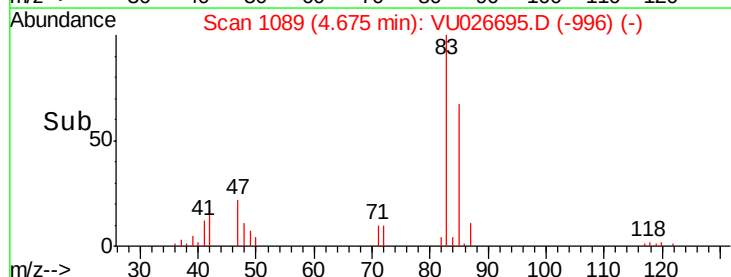
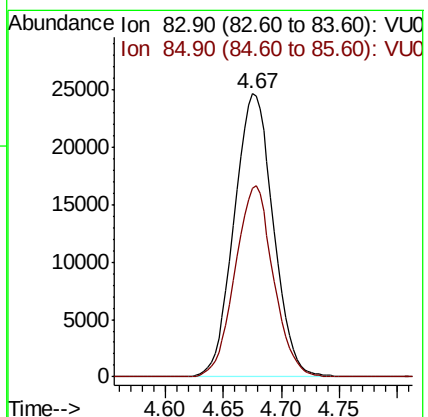
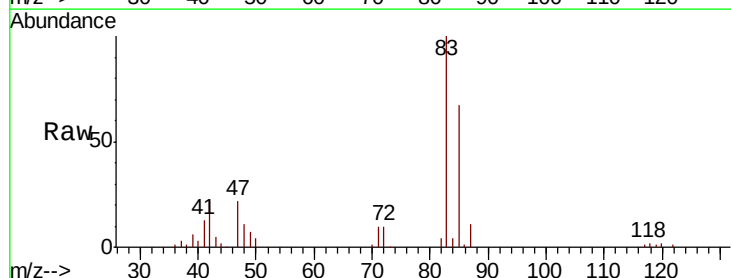
Acq: 12 Sep 2018 11:09

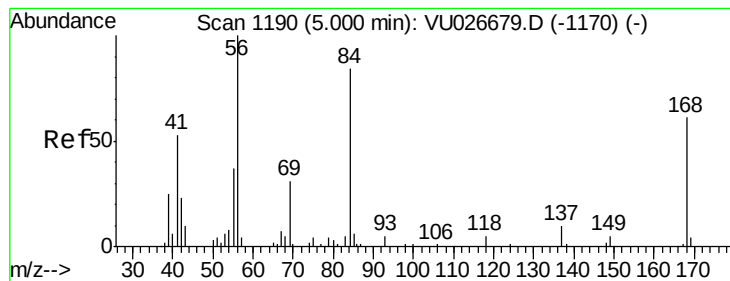
Tgt Ion: 83 Resp: 57713

Ion Ratio Lower Upper

83 100

85 66.6 53.3 79.9





#31

Cyclohexane

Concen: 18.08 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

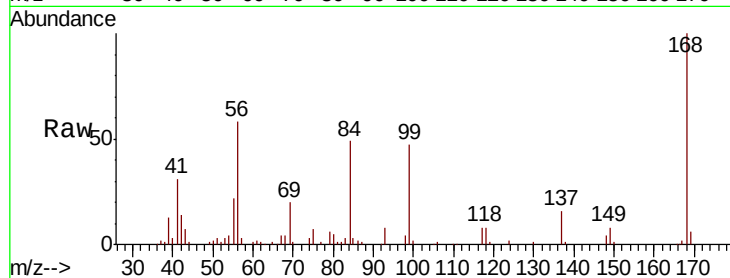
Tot Ion: 56 Resp: 49005

Ion Ratio Lower Upper

56 100

69 34.2 24.9 37.3

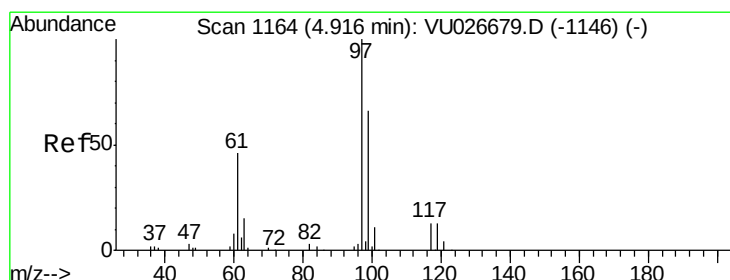
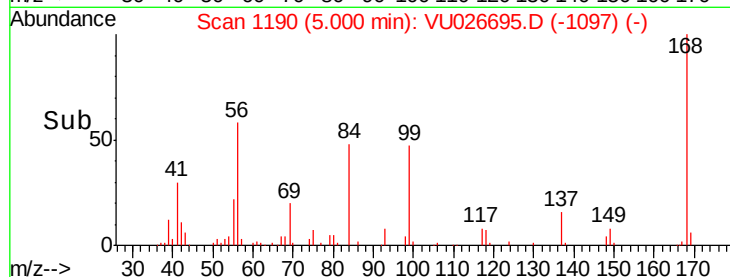
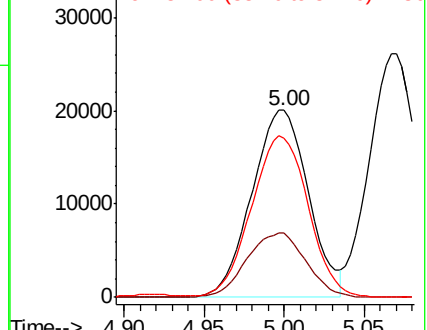
84 84.3 66.6 100.0



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: 19.45 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

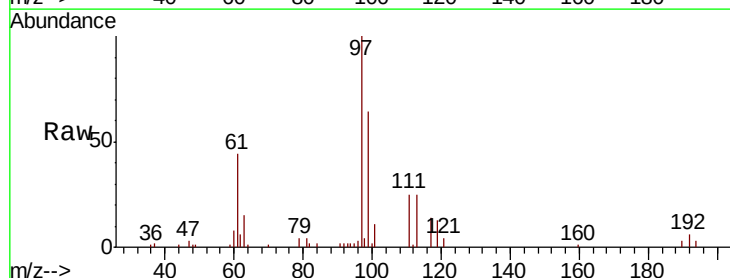
Tgt Ion: 97 Resp: 46696

Ion Ratio Lower Upper

97 100

99 63.7 52.2 78.2

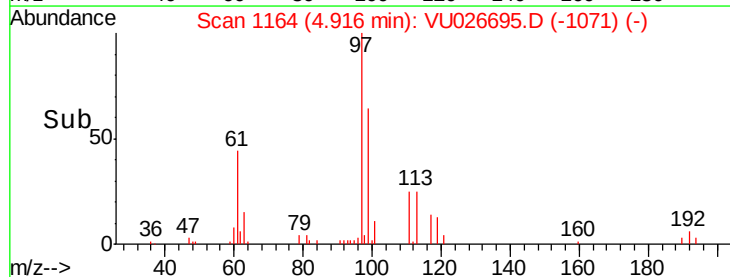
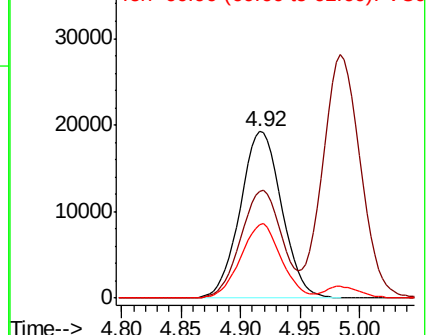
61 43.4 36.8 55.2

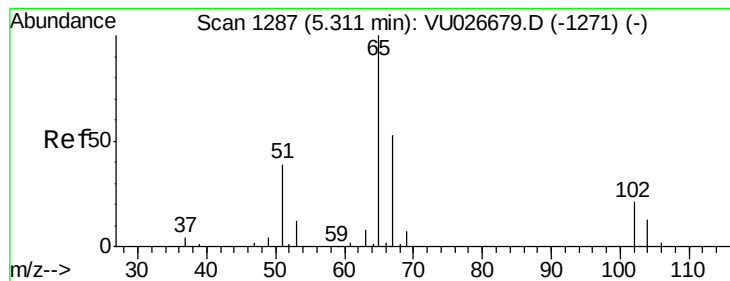


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 51.47 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

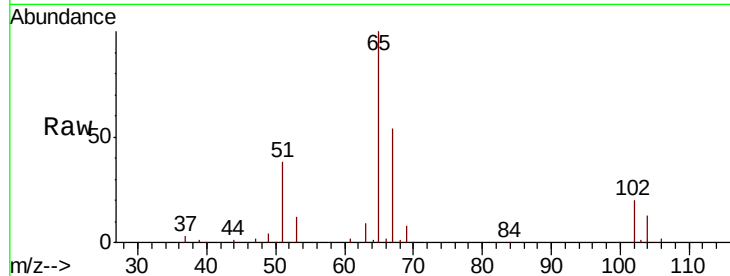
VU0912MBSD02

Tot Ion: 65 Resp: 94581

Ion Ratio Lower Upper

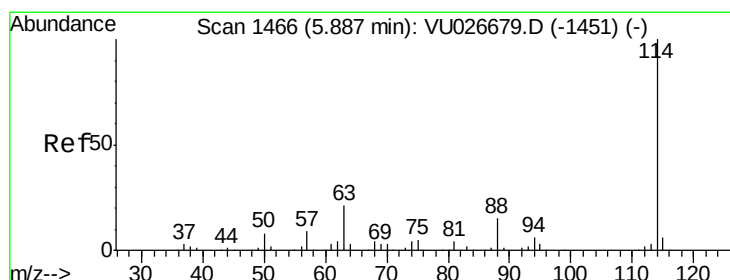
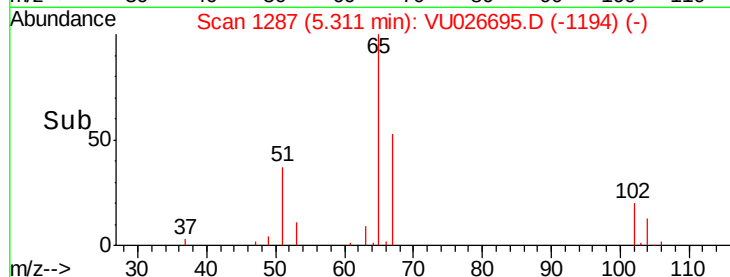
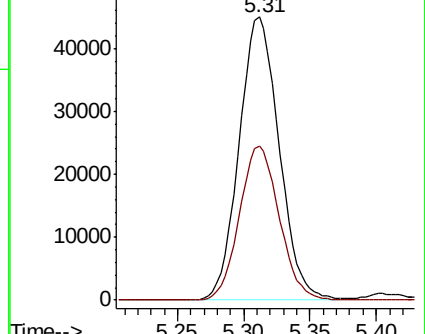
65 100

67 54.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

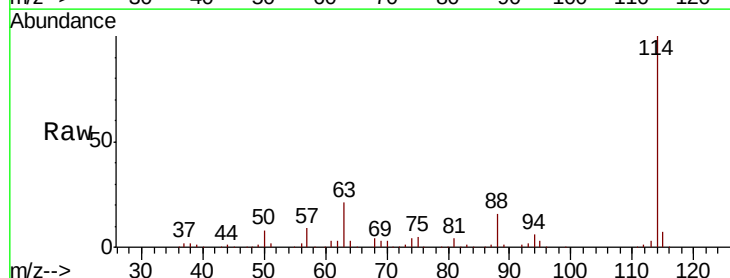
Tgt Ion: 114 Resp: 189569

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

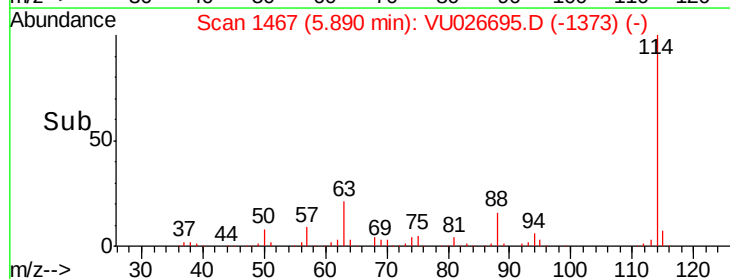
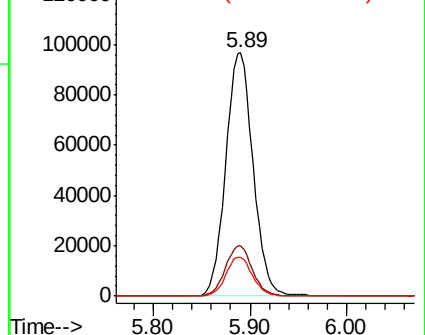
88 16.1 0.0 30.8

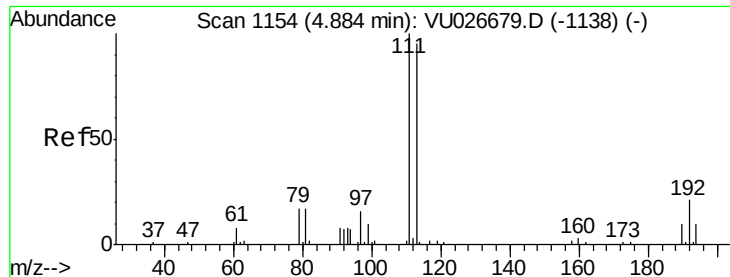


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

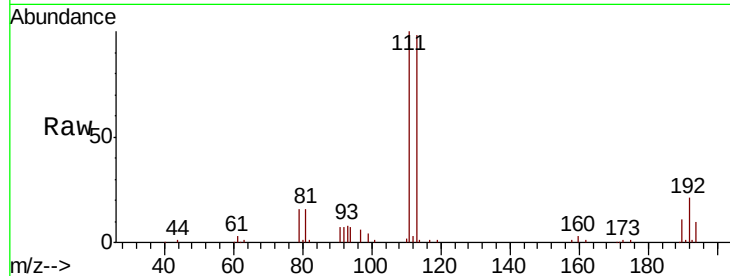




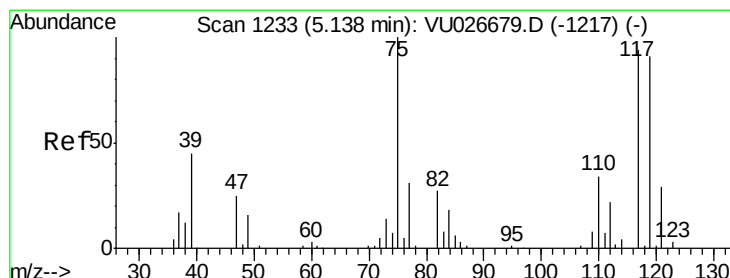
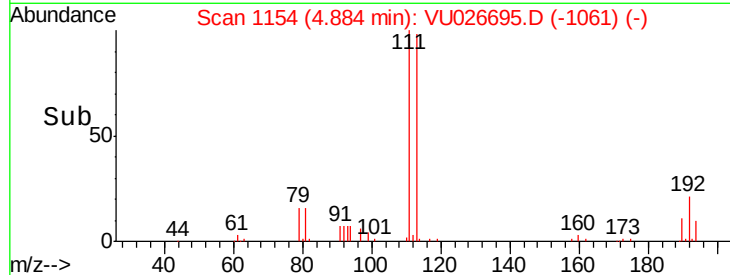
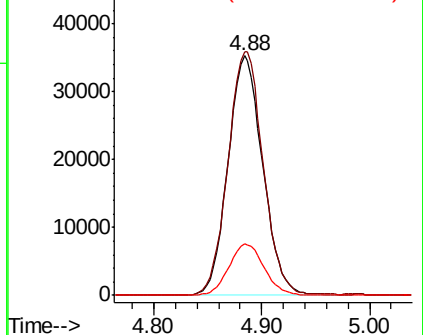
#35
 Dibromofluoromethane
 Concen: 51.00 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

Tot Ion:113 Resp: 78859
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.1 124.7
 192 21.7 17.4 26.2

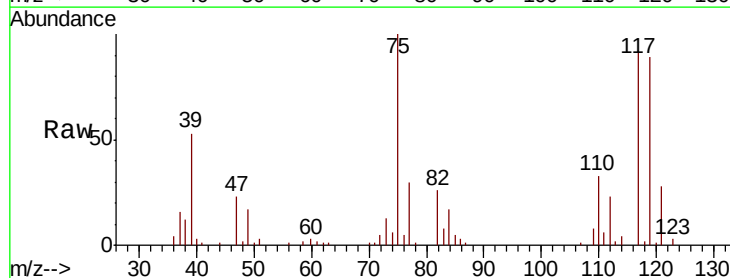


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

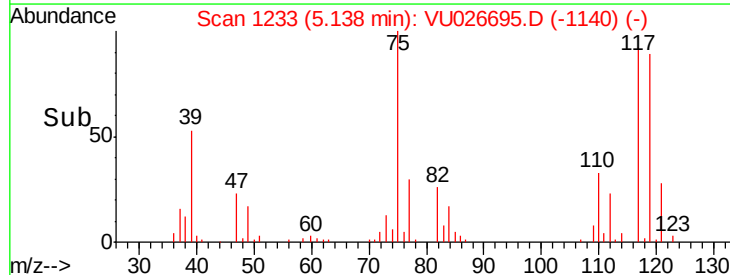
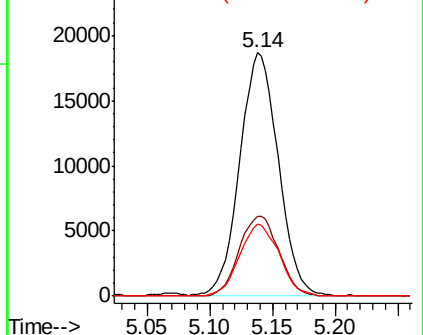


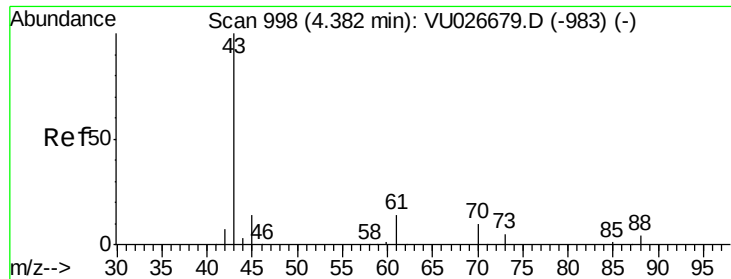
#36
 1,1-Dichloropropene
 Concen: 18.84 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion: 75 Resp: 40093
 Ion Ratio Lower Upper
 75 100
 110 33.5 17.3 51.9
 77 30.1 24.9 37.3



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: 19.83 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

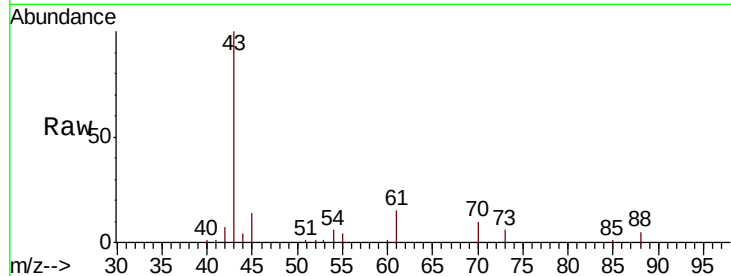
Tot Ion: 43 Resp: 50749

Ion Ratio Lower Upper

43 100

61 14.3 11.5 17.3

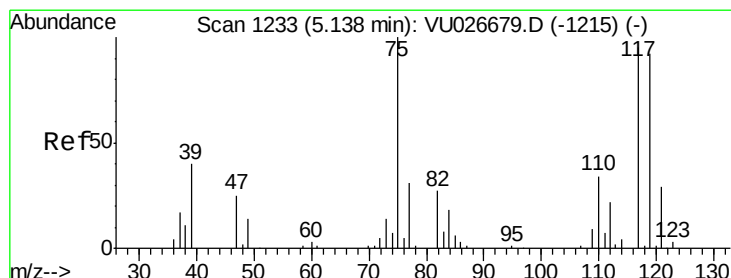
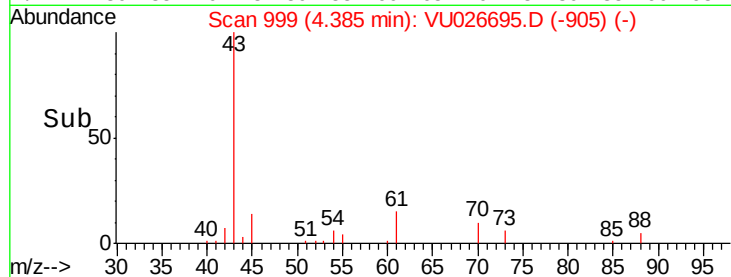
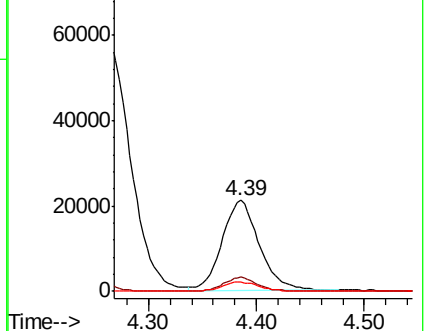
70 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 17.72 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

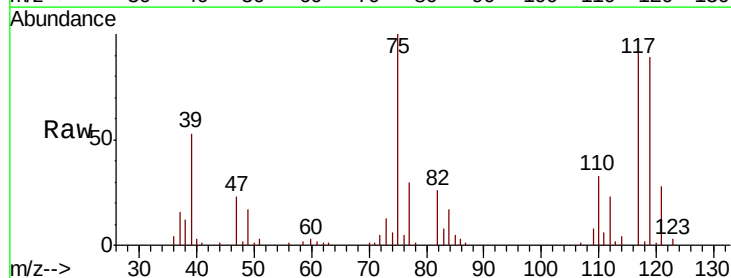
Tgt Ion: 117 Resp: 39841

Ion Ratio Lower Upper

117 100

119 95.9 77.8 116.8

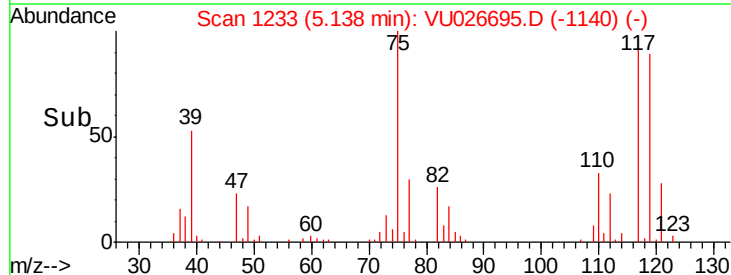
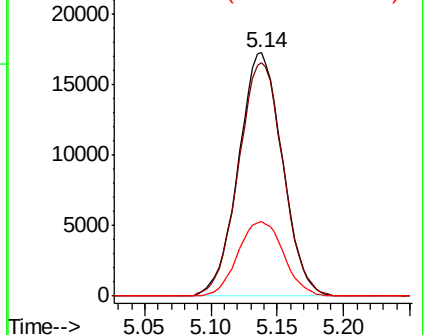
121 30.4 25.0 37.4

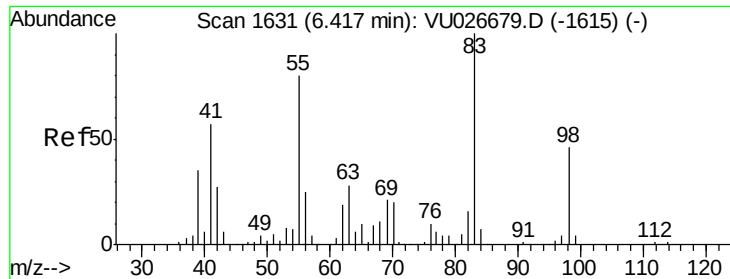


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

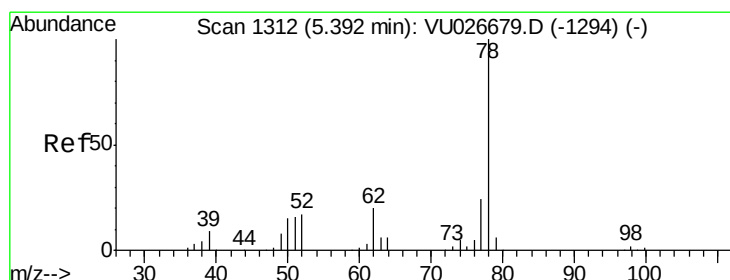
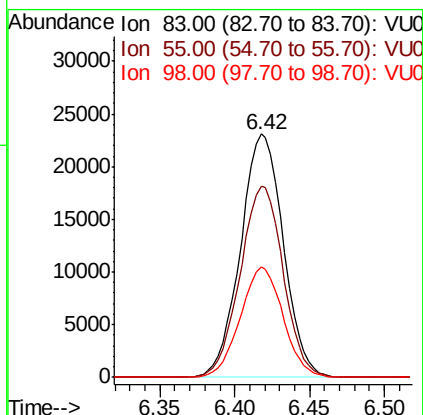
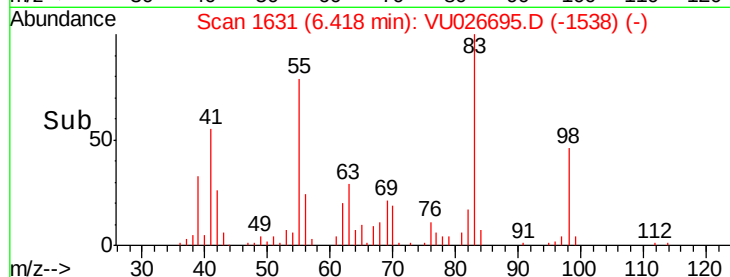
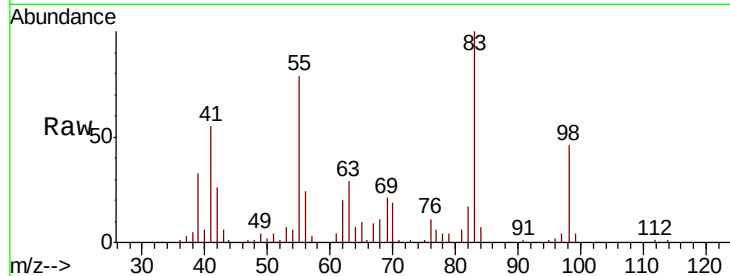




#39
Methylvlcyclohexane
Concen: 18.20 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

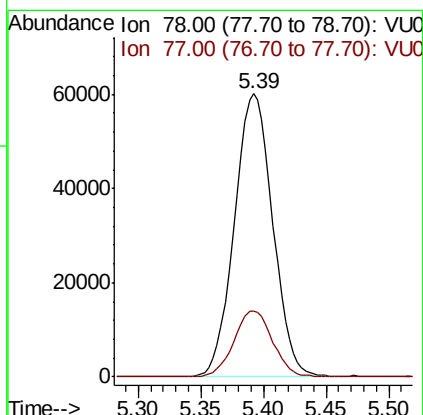
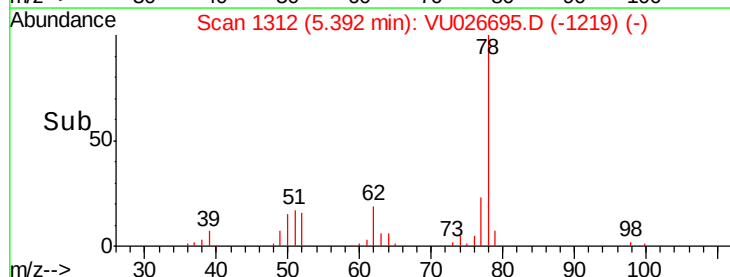
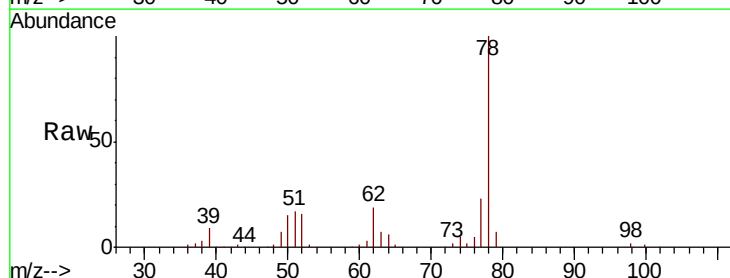
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

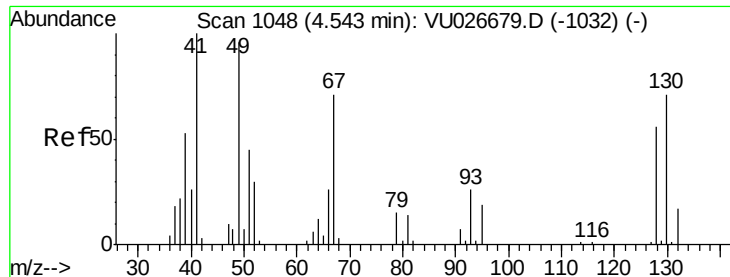
Tot Ion: 83 Resp: 45992
Ion Ratio Lower Upper
83 100
55 78.6 63.8 95.6
98 45.5 37.2 55.8



#40
Benzene
Concen: 19.35 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 78 Resp: 127927
Ion Ratio Lower Upper
78 100
77 23.3 19.5 29.3

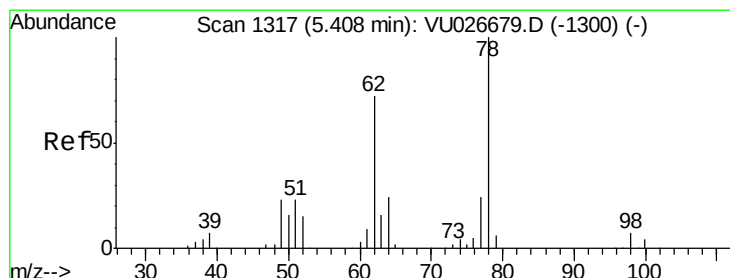
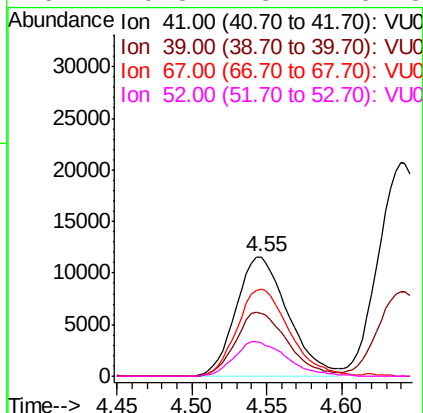
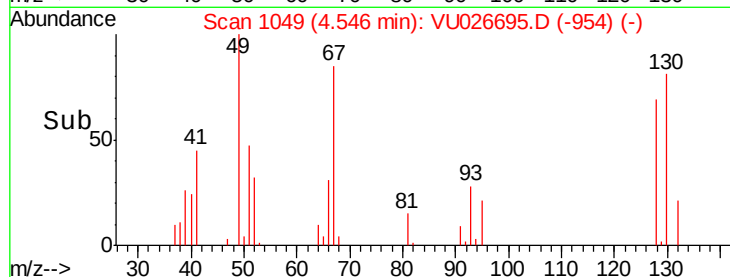
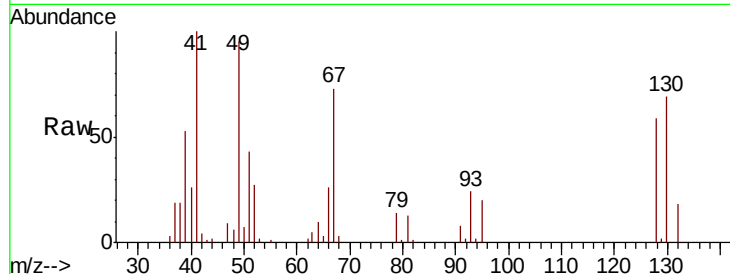




#41
Methacrylonitrile
Concen: 19.88 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

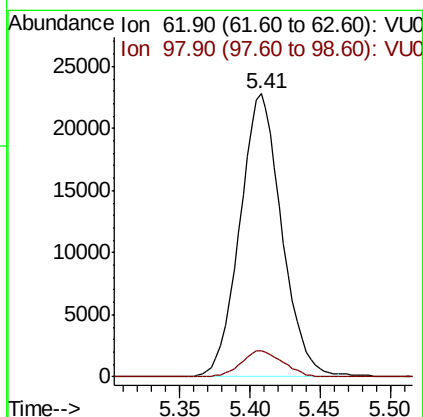
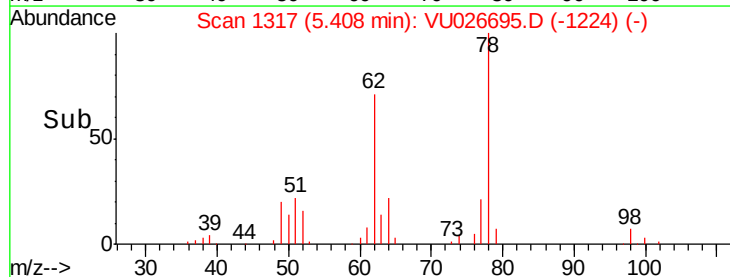
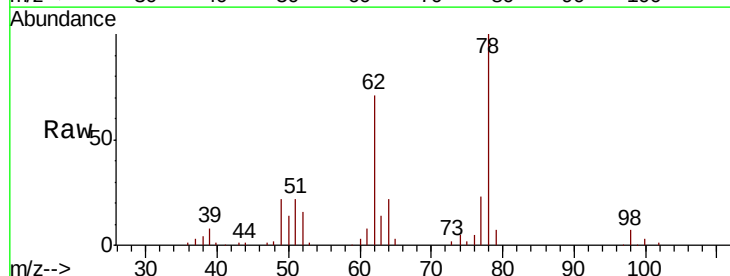
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

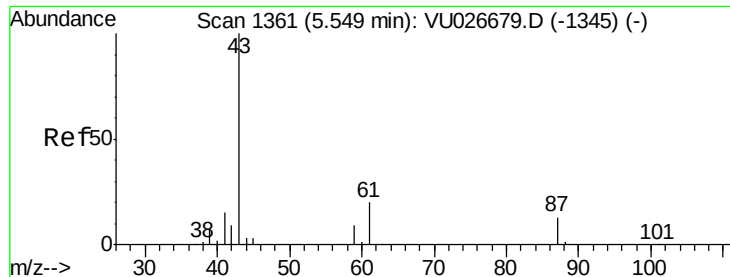
Tot Ion:	41	Resp:	28008
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.9	64.3
67	73.2	56.6	84.8
52	29.3	23.2	34.8



#42
1,2-Dichloroethane
Concen: 20.04 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion:	62	Resp:	47239
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.98 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS02

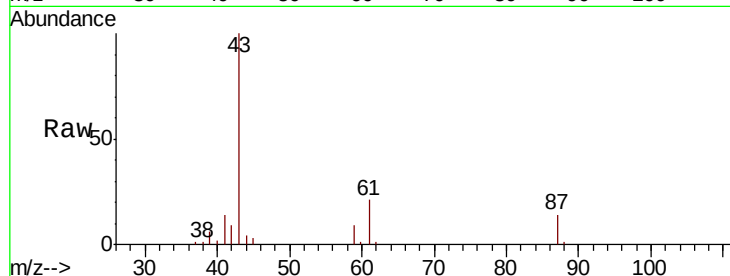
Tot Ion: 43 Resp: 81779

Ion Ratio Lower Upper

43 100

61 20.2 16.0 24.0

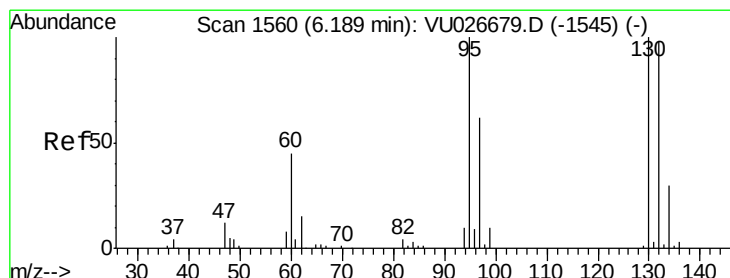
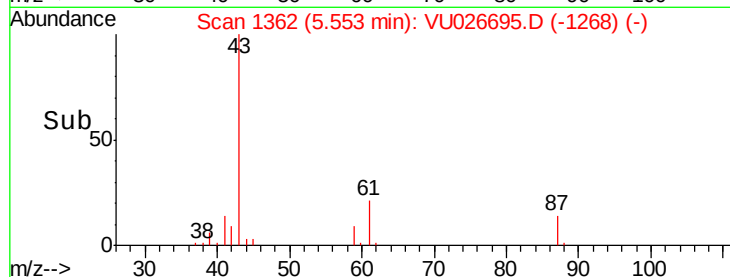
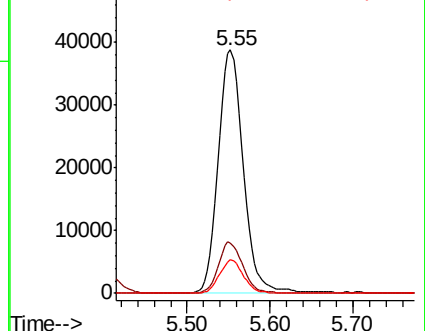
87 12.9 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 19.63 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026695.D

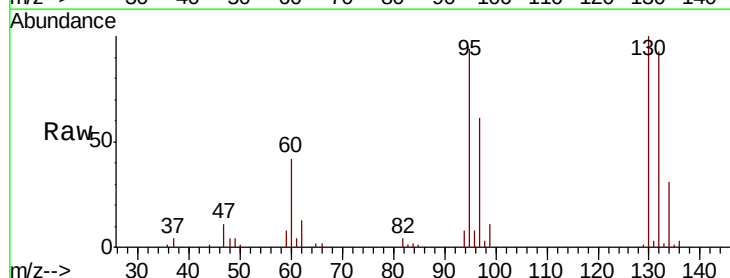
Acq: 12 Sep 2018 11:09

Tgt Ion:130 Resp: 32107

Ion Ratio Lower Upper

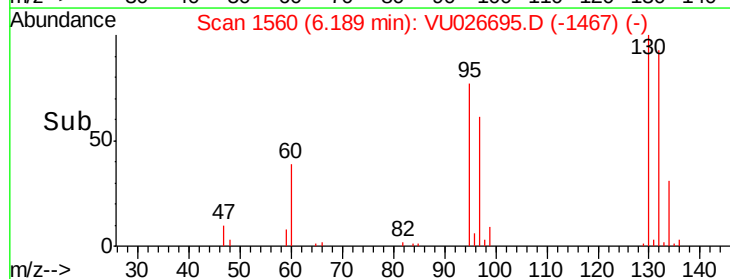
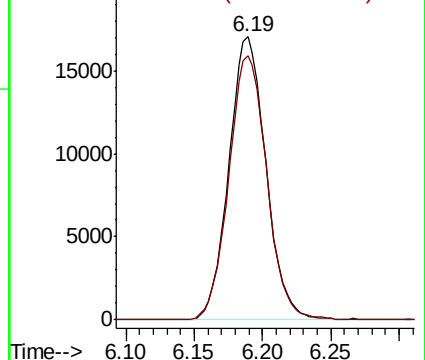
130 100

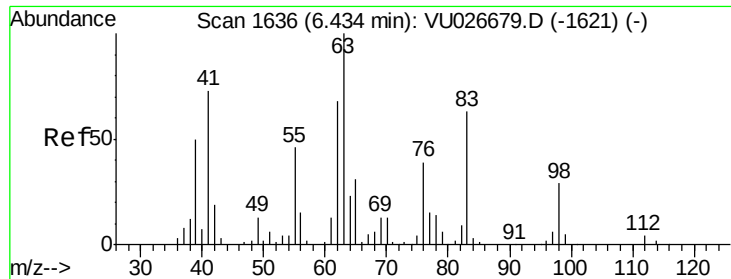
95 93.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 19.73 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

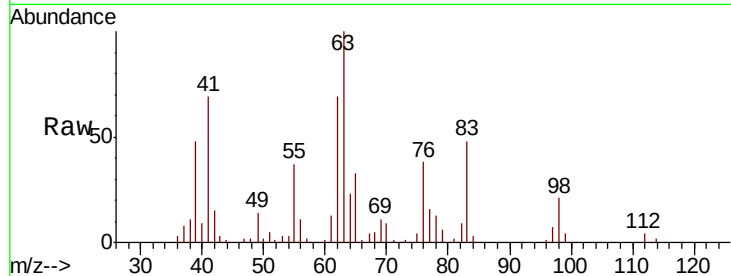
VU0912MBSD02

Tot Ion: 63 Resp: 35457

Ion Ratio Lower Upper

63 100

65 32.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.44

20000

15000

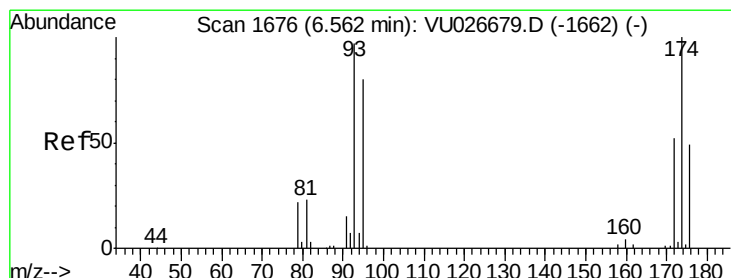
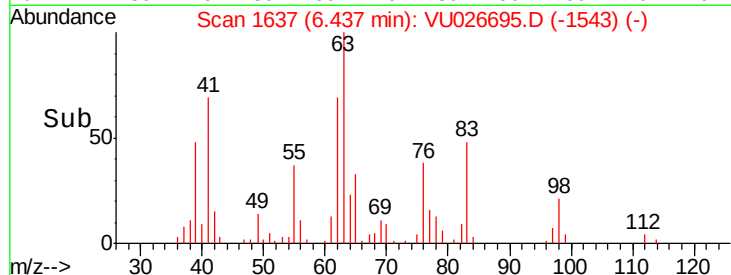
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 20.75 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

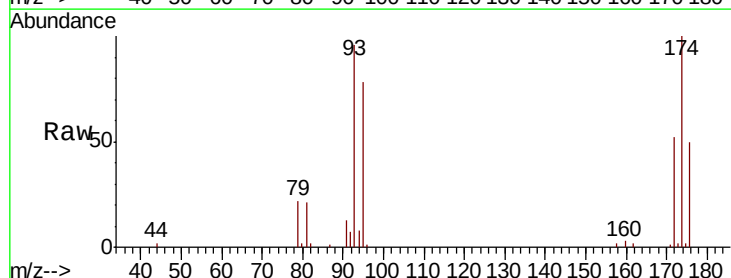
Tgt Ion: 93 Resp: 24055

Ion Ratio Lower Upper

93 100

95 81.0 65.4 98.2

174 105.9 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

15000

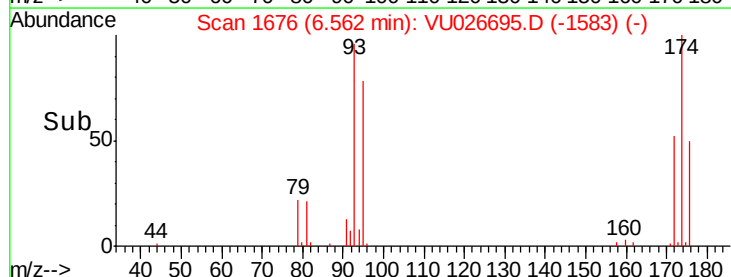
10000

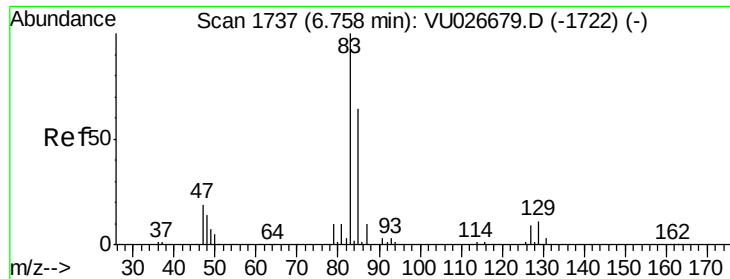
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

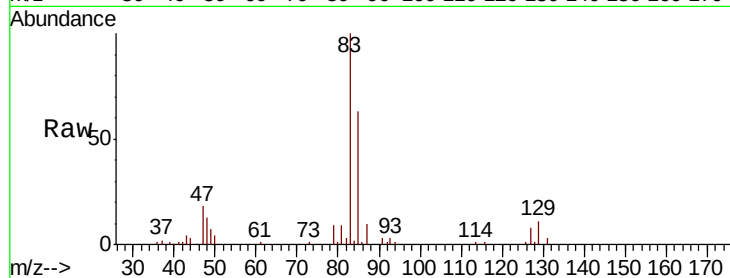
Tot Ion: 83 Resp: 45614

Ion Ratio Lower Upper

83 100

85 62.7 51.1 76.7

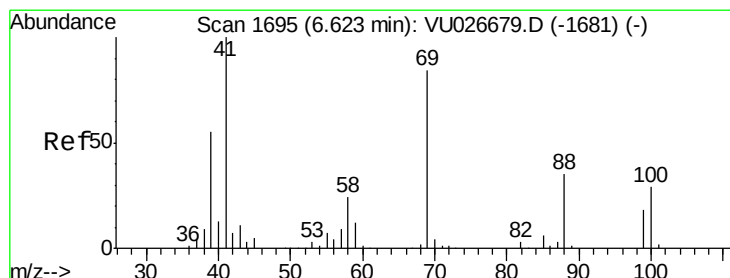
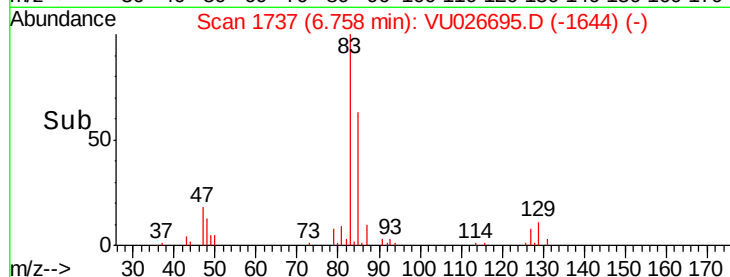
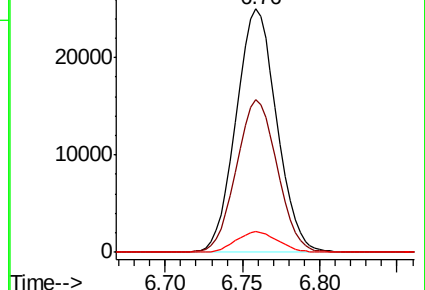
127 8.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.73 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

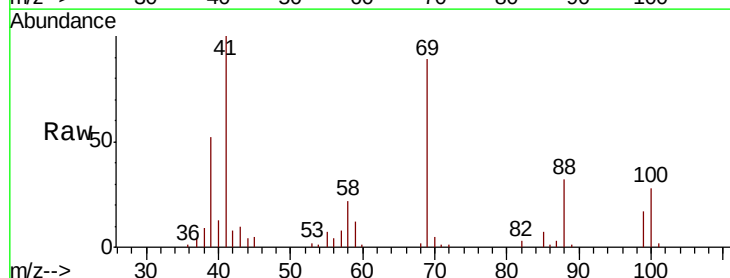
Tgt Ion: 41 Resp: 39611

Ion Ratio Lower Upper

41 100

69 84.9 66.6 99.8

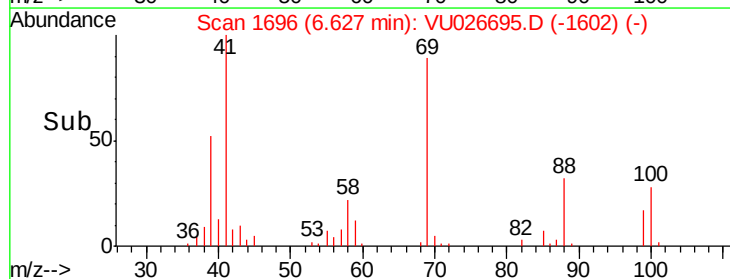
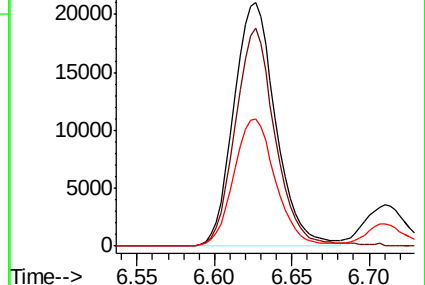
39 52.1 43.6 65.4

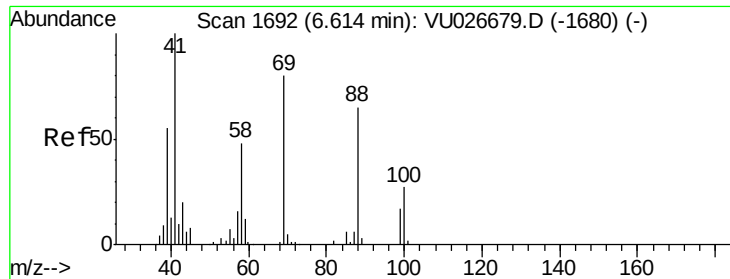


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

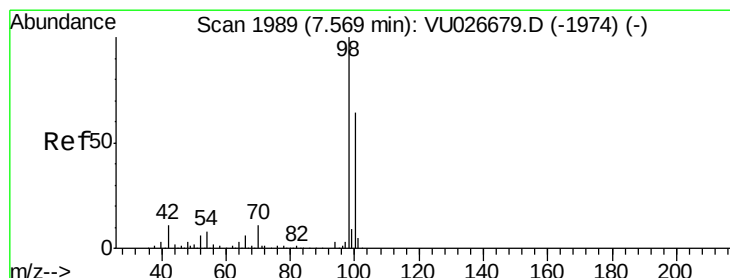
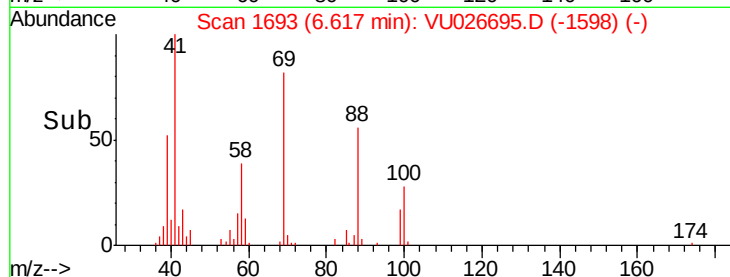
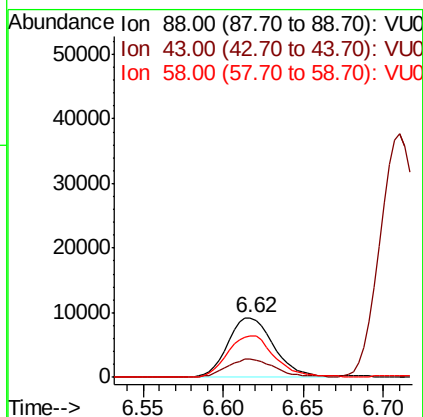
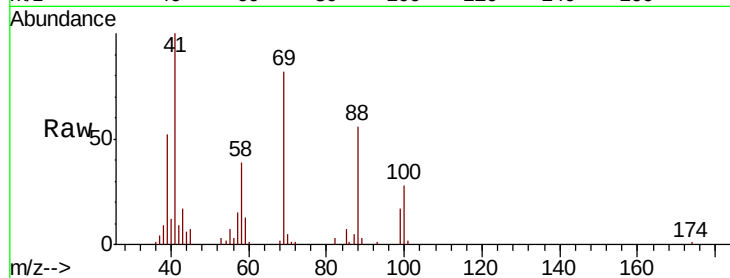




#49
1,4-Dioxane
Concen: 389.92 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

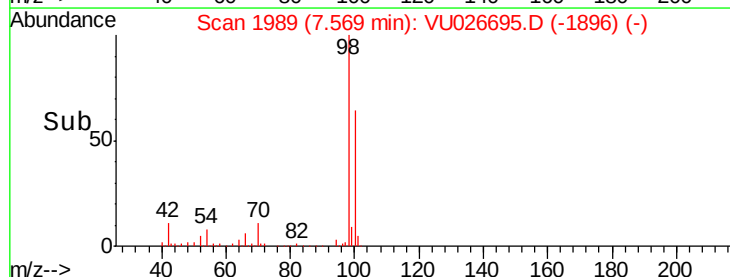
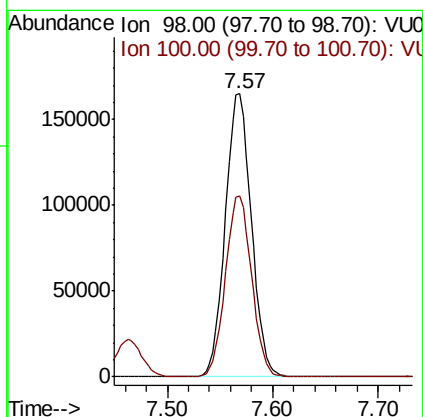
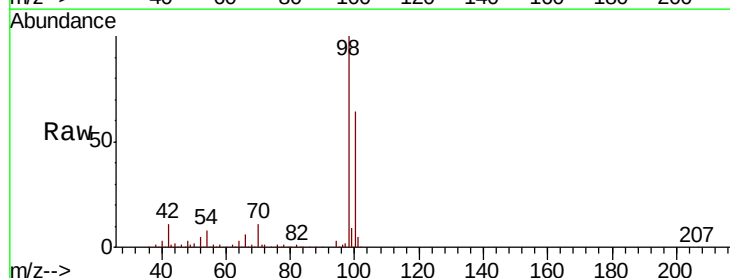
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

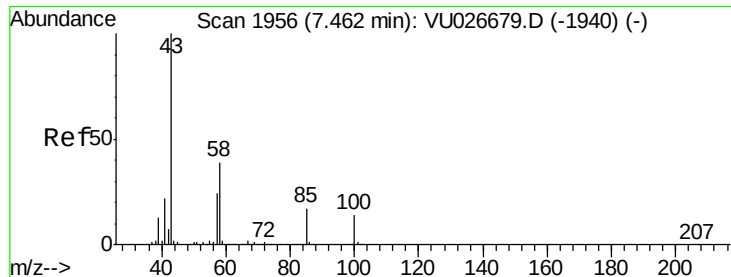
Tot Ion: 88 Resp: 18122
Ion Ratio Lower Upper
88 100
43 32.2 25.5 38.3
58 71.8 58.2 87.4



#50
Toluene-d8
Concen: 49.51 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 98 Resp: 283167
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 100.76 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

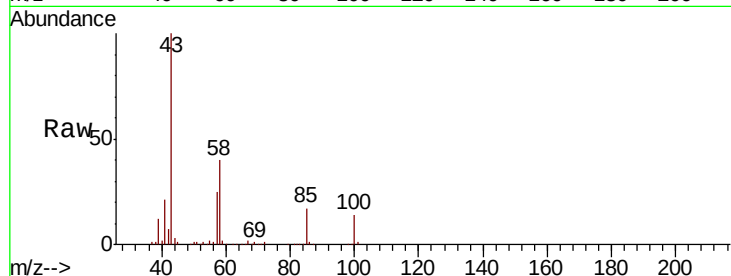
VU0912MBSD02

Tot Ion: 43 Resp: 262665

Ion Ratio Lower Upper

43 100

58 39.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

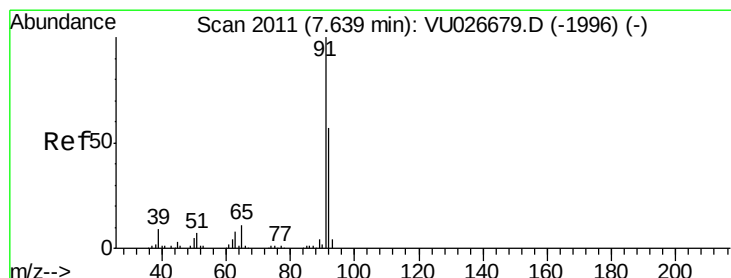
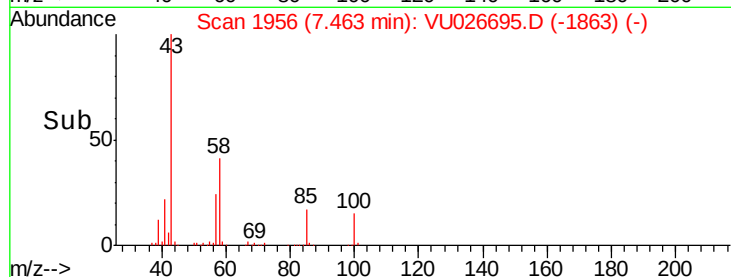
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 19.87 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026695.D

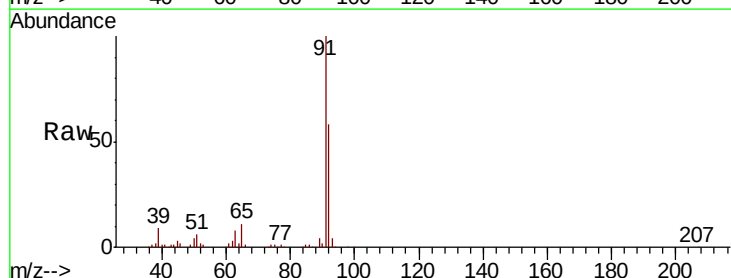
Acq: 12 Sep 2018 11:09

Tgt Ion: 92 Resp: 78214

Ion Ratio Lower Upper

92 100

91 175.6 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

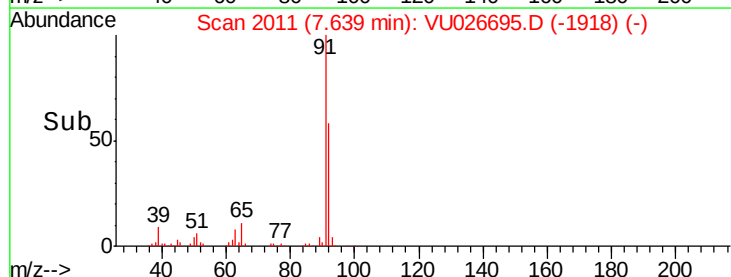
60000

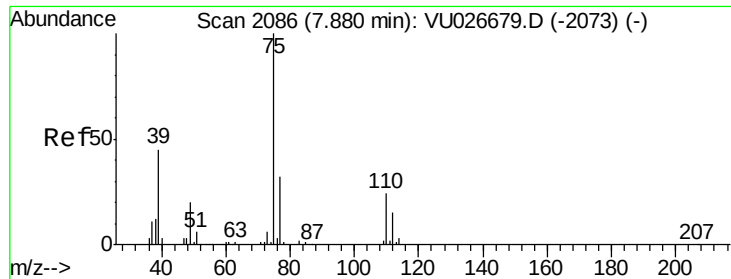
40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#53

t-1,3-Dichloropropene

Concen: 19.76 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

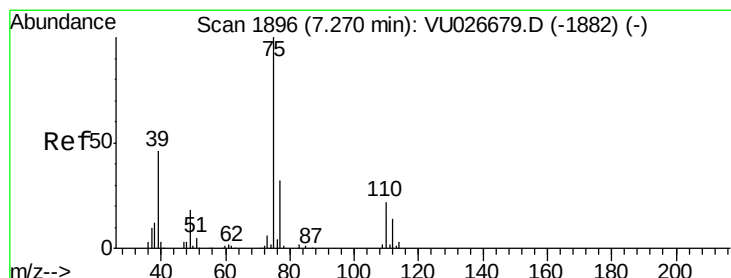
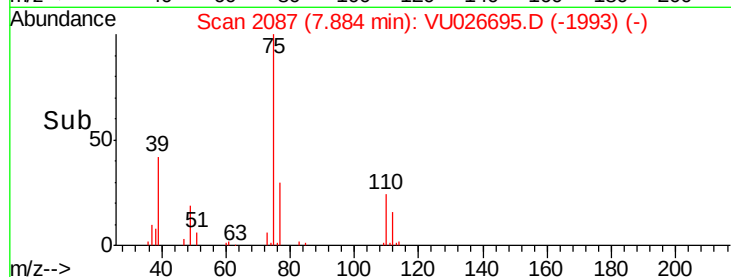
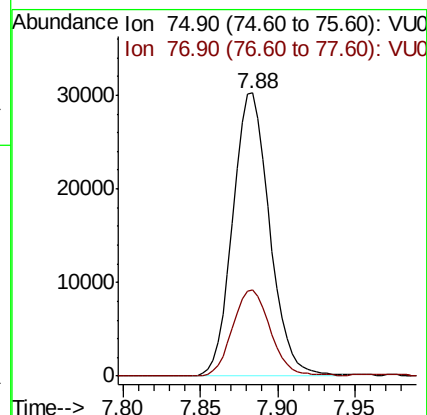
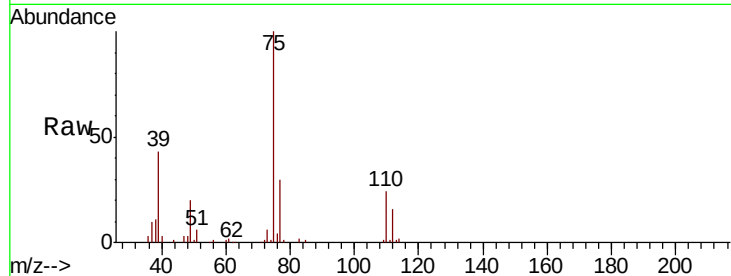
VU0912MBSD02

Tot Ion: 75 Resp: 50038

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.19 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

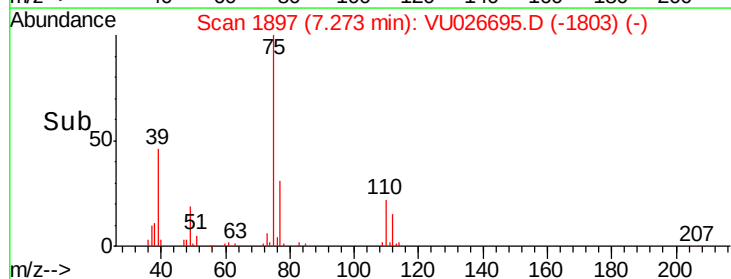
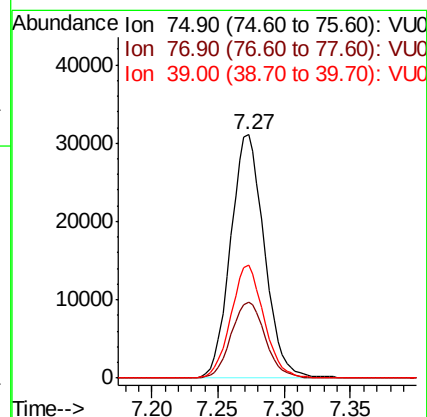
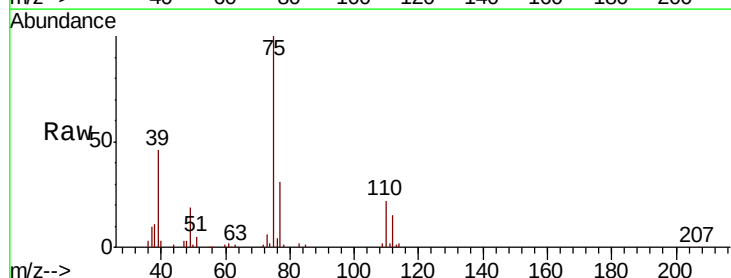
Tgt Ion: 75 Resp: 54899

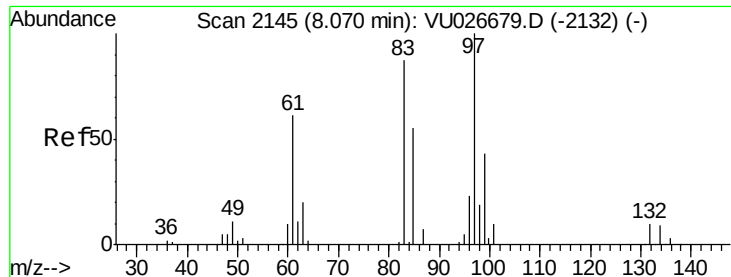
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 46.2 37.0 55.6



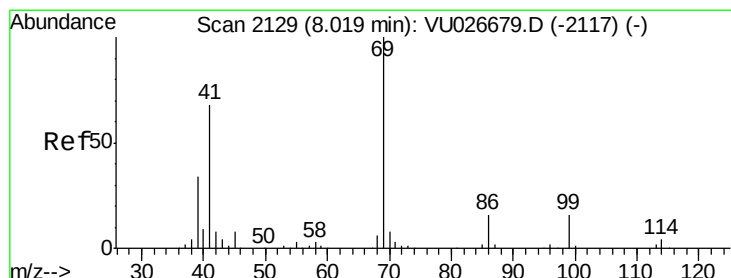
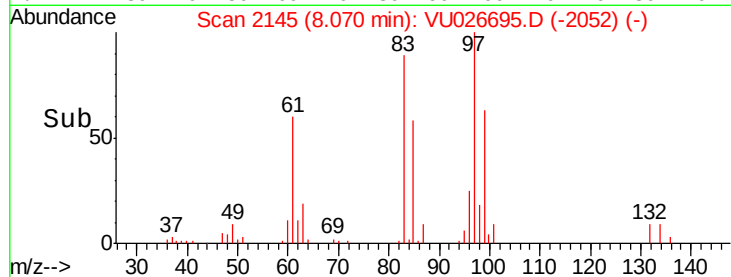
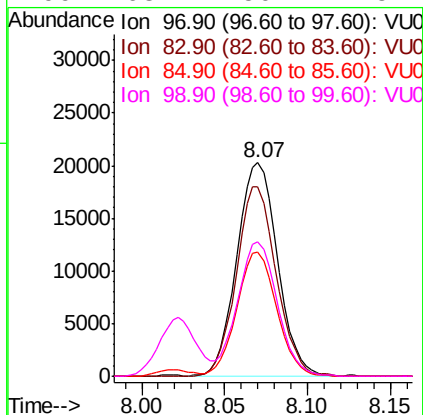
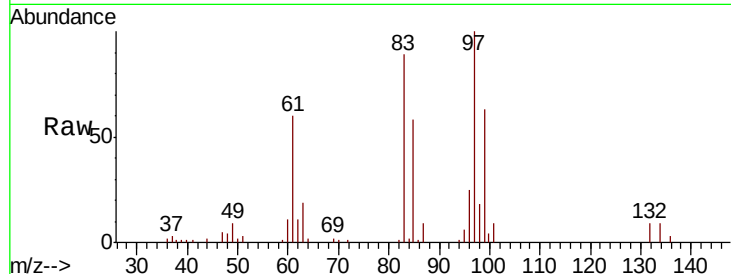


#55
 1,1,2-Trichloroethane
 Concen: 20.56 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

Tot Ion: 97 Resp: 34689

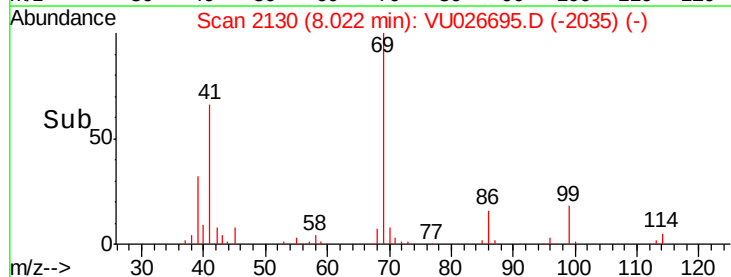
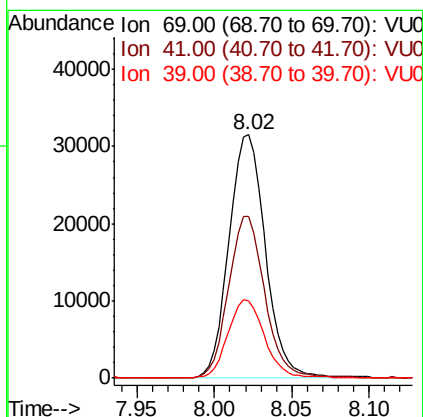
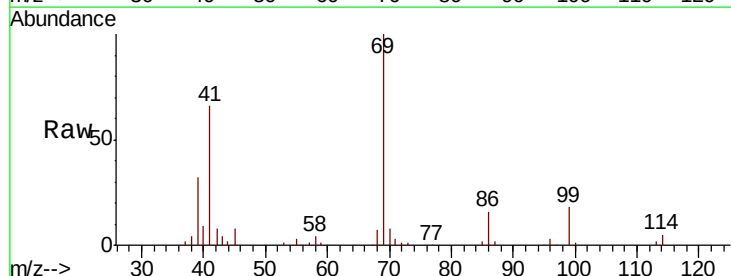
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.3	103.9
85	58.4	45.9	68.9
99	63.1	50.1	75.1

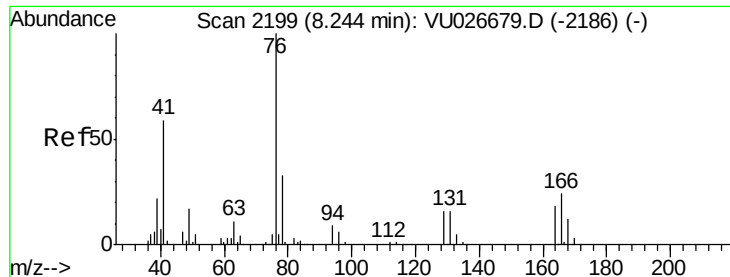


#56
 Ethyl methacrylate
 Concen: 19.94 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion: 69 Resp: 51510

Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.2	81.2
39	32.3	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.32 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

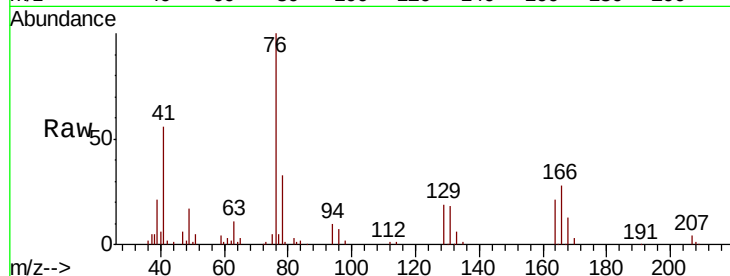
VU0912MBSD02

Tot Ion: 76 Resp: 58423

Ion Ratio Lower Upper

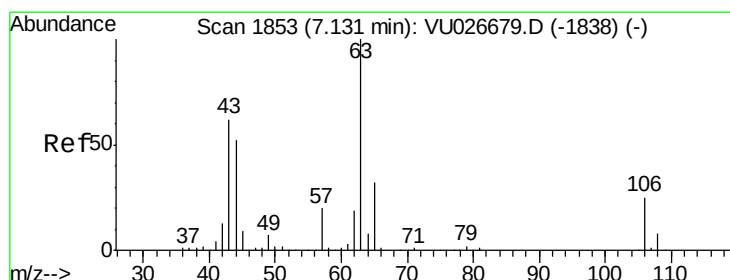
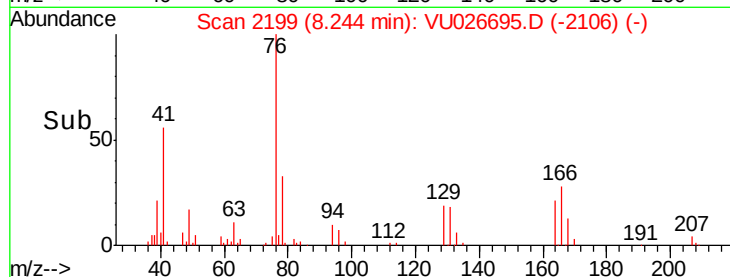
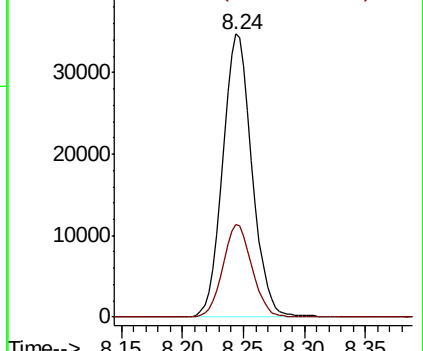
76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 96.69 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026695.D

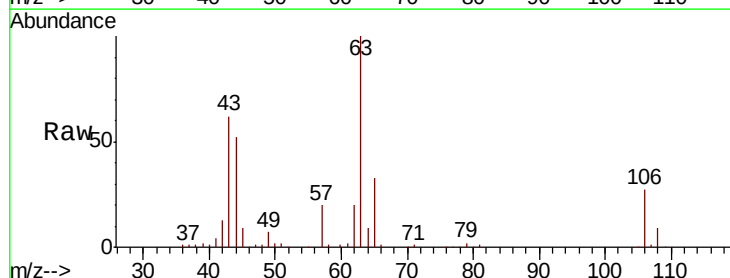
Acq: 12 Sep 2018 11:09

Tgt Ion: 63 Resp: 123175

Ion Ratio Lower Upper

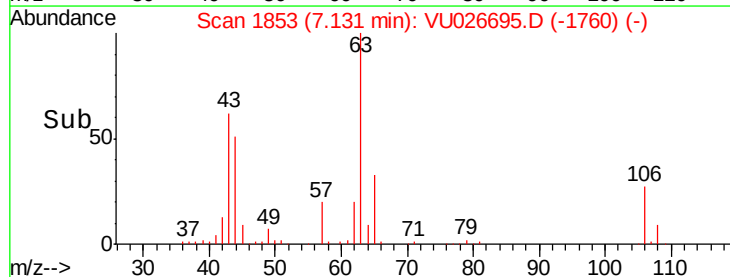
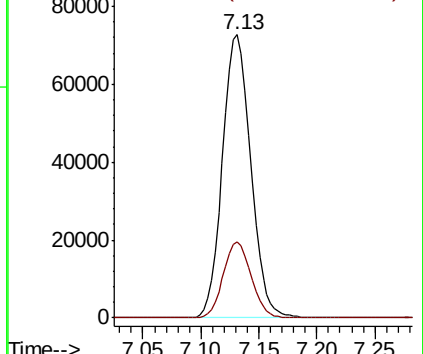
63 100

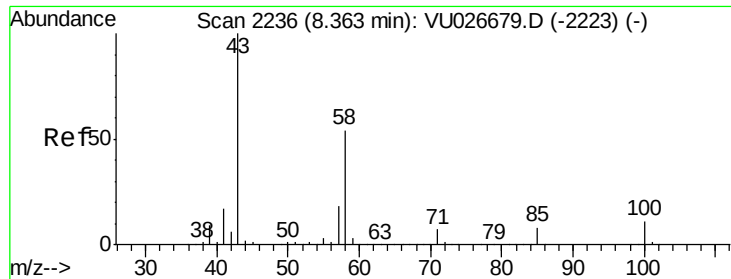
106 26.3 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

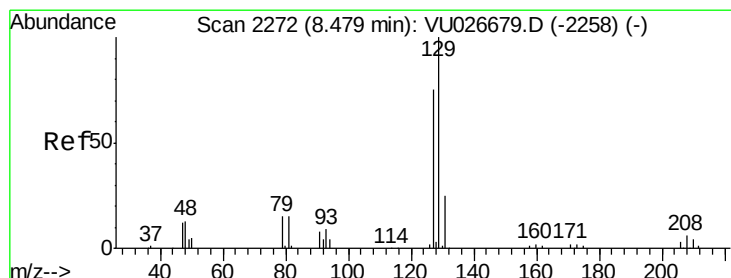
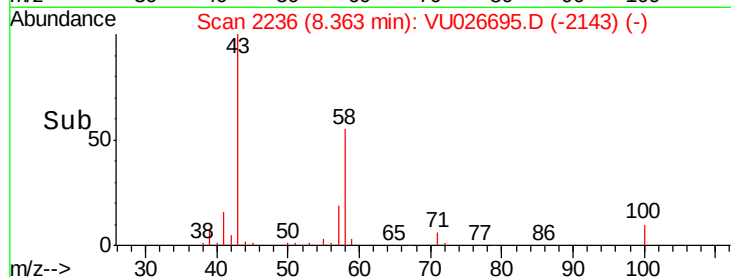
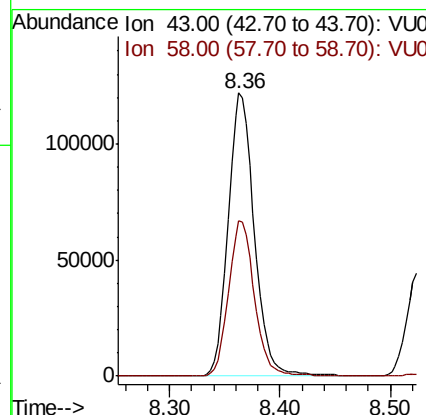
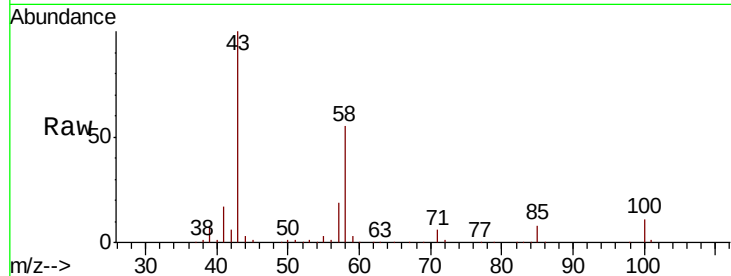




#59
 2-Hexanone
 Concen: 97.72 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

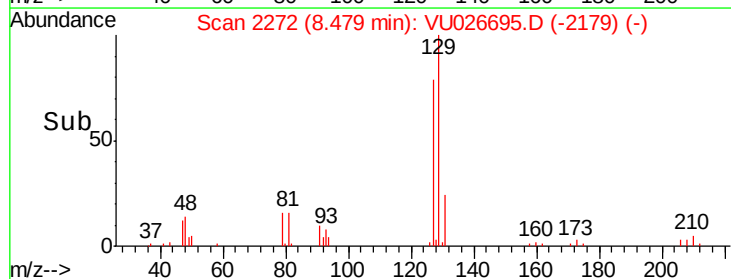
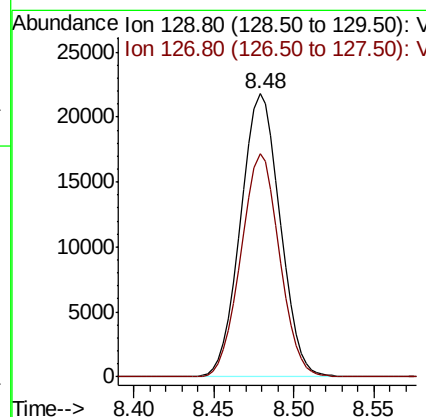
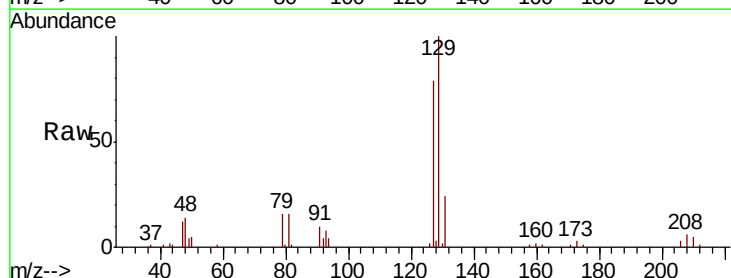
Instrument :
 MSVOA_U
 ClientSampleID :
 VU0912MBSD02

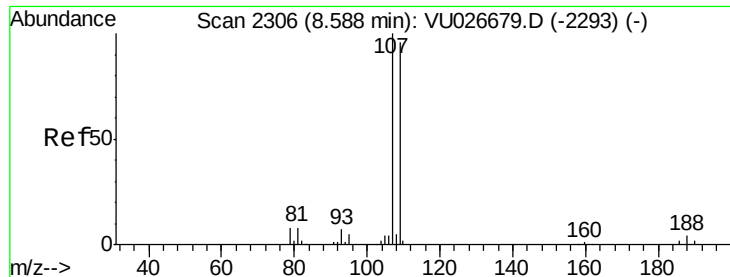
Tot Ion: 43 Resp: 200473
 Ion Ratio Lower Upper
 43 100
 58 54.5 26.9 80.7



#60
 Dibromochloromethane
 Concen: 20.03 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion: 129 Resp: 36603
 Ion Ratio Lower Upper
 129 100
 127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.92 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

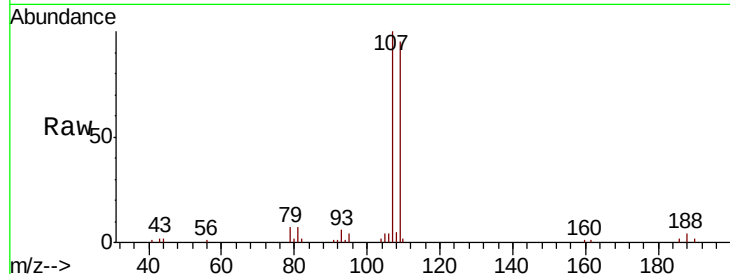
VU0912MBSD02

Tot Ion:107 Resp: 36461

Ion Ratio Lower Upper

107 100

109 95.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

25000

20000

15000

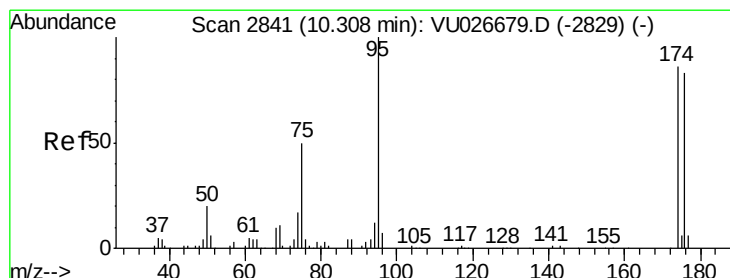
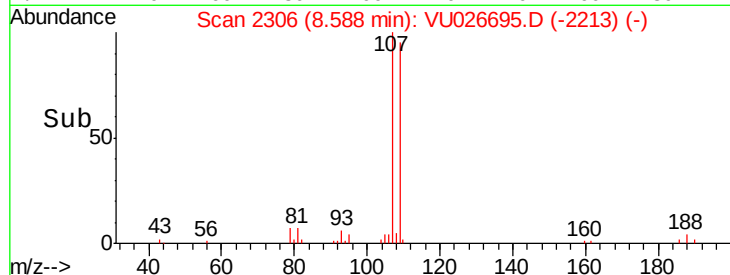
10000

5000

0

8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 48.84 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

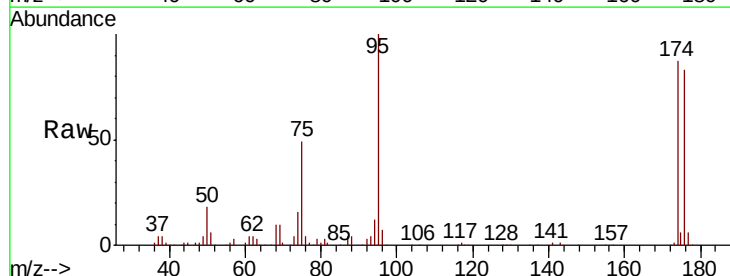
Tgt Ion: 95 Resp: 101240

Ion Ratio Lower Upper

95 100

174 88.0 0.0 172.8

176 85.1 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

80000

60000

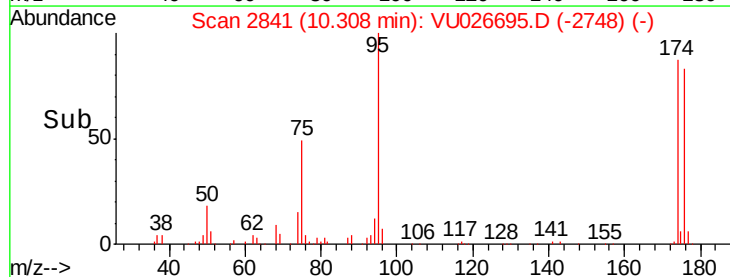
40000

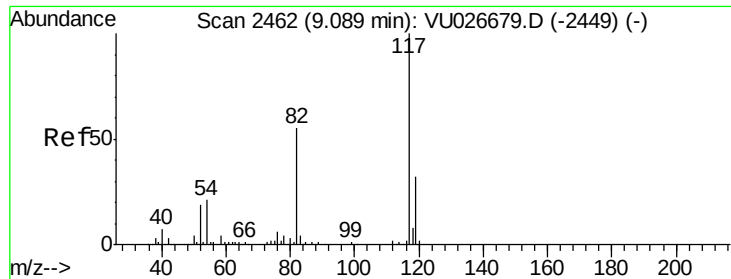
20000

0

10.25 10.30 10.35

Time-->

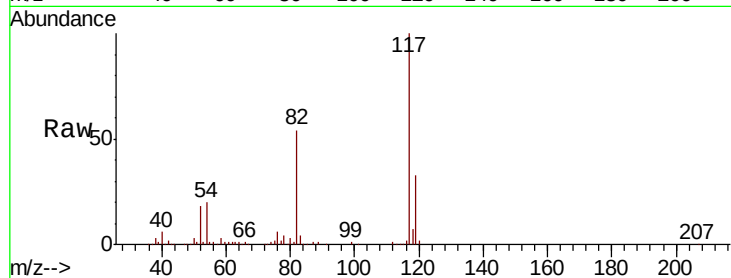




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.1	66.1
119	32.9	25.7	38.5

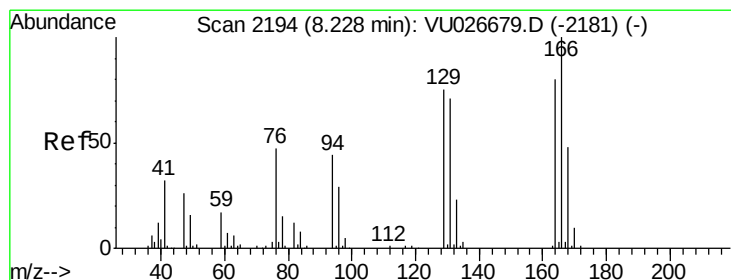
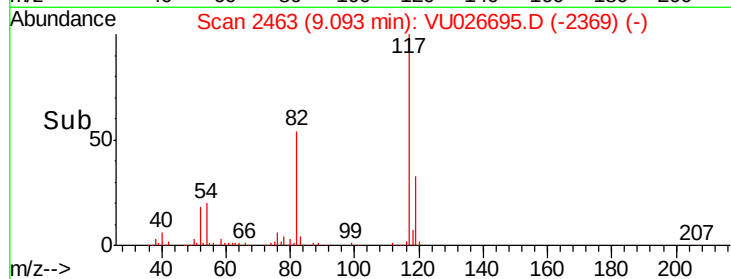
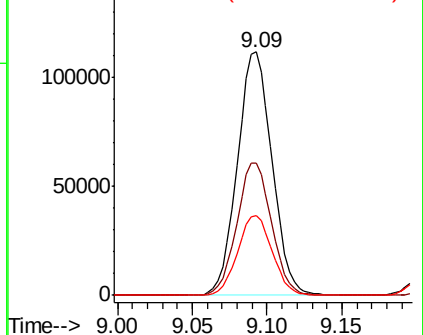


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.01 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.3	100.5	150.7
129	92.4	75.3	112.9
131	93.5	71.4	107.2

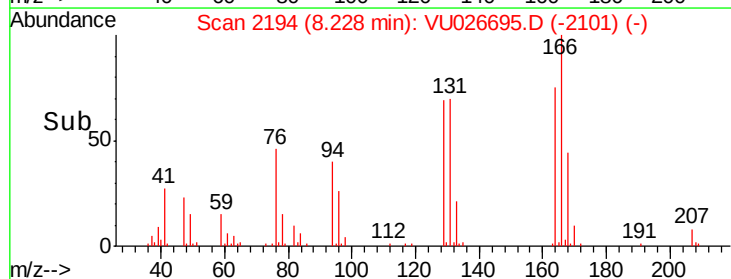
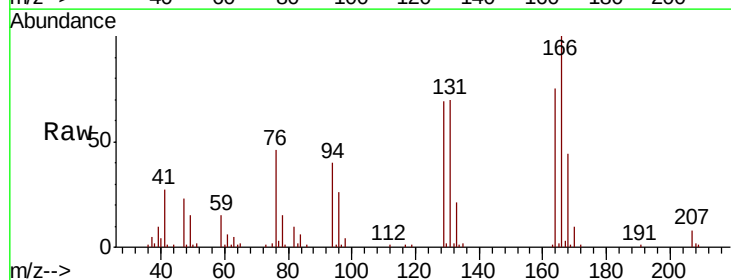
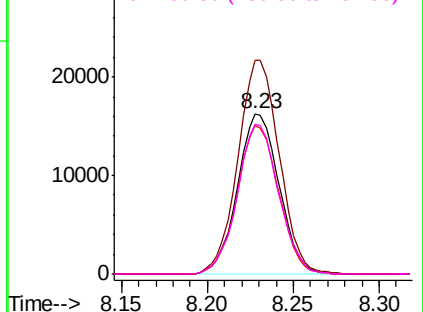
Abundance

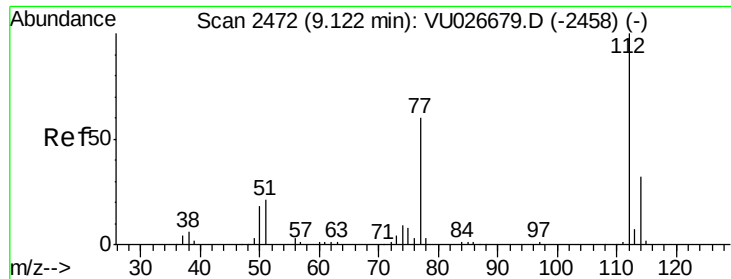
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

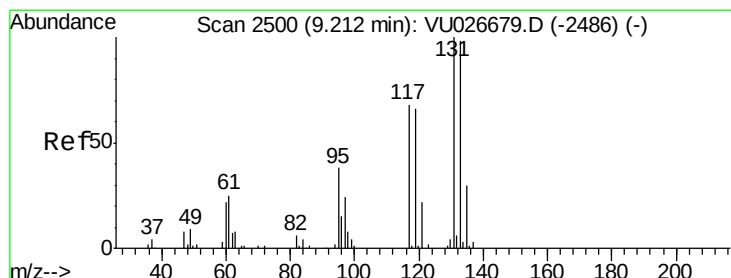
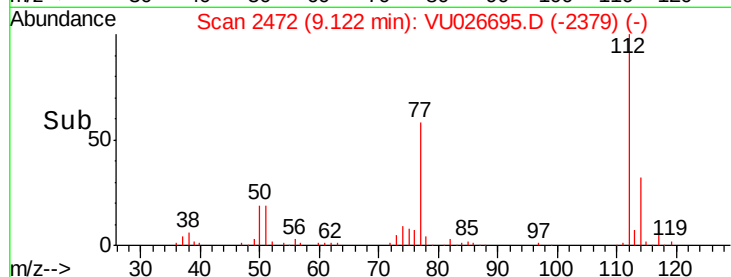
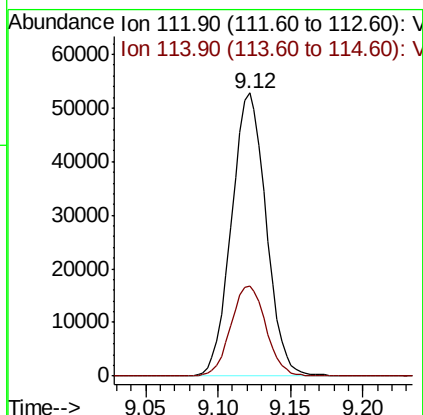
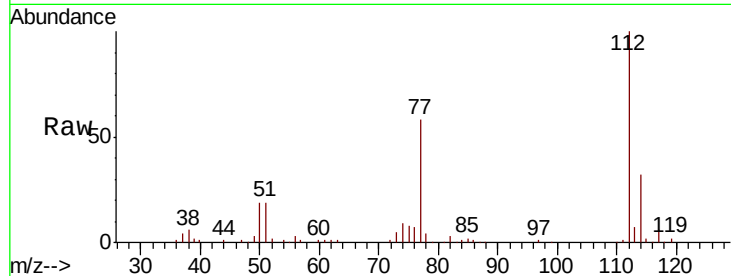




#65
Chlorobenzene
Concen: 19.53 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

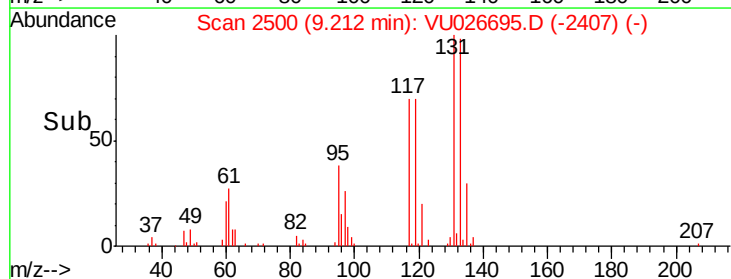
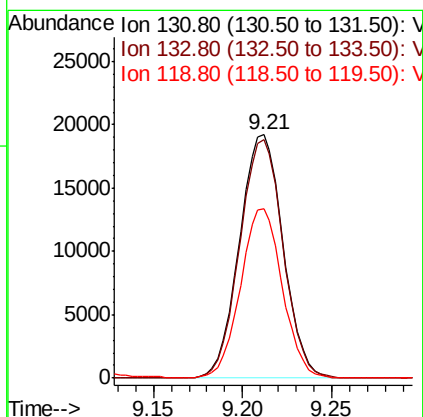
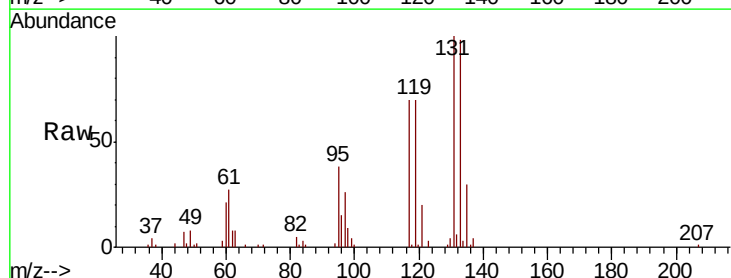
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

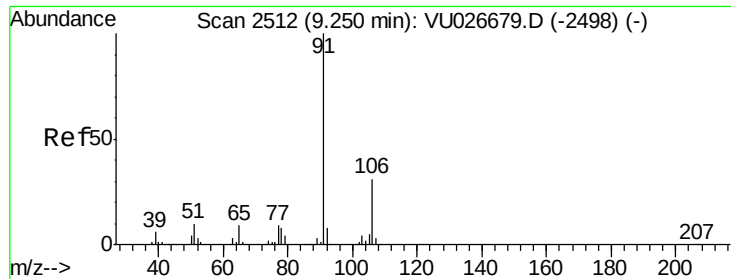
Tot Ion:112 Resp: 87502
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.81 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion:131 Resp: 32655
Ion Ratio Lower Upper
131 100
133 97.4 48.9 146.6
119 66.8 32.7 98.1

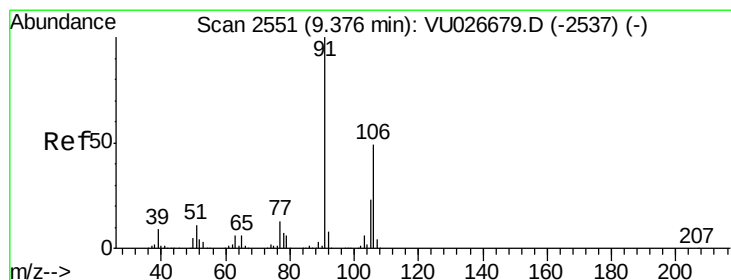
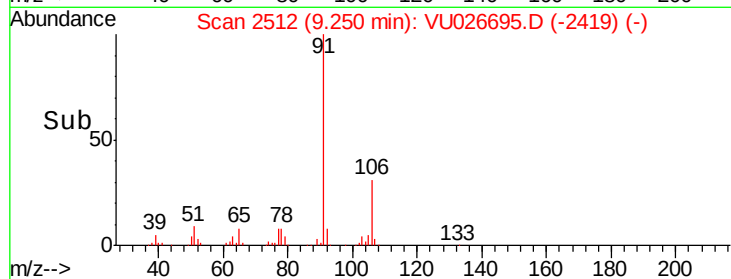
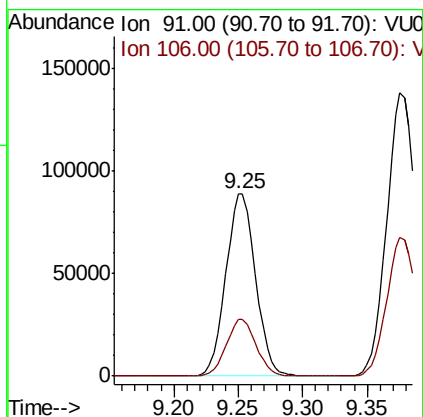
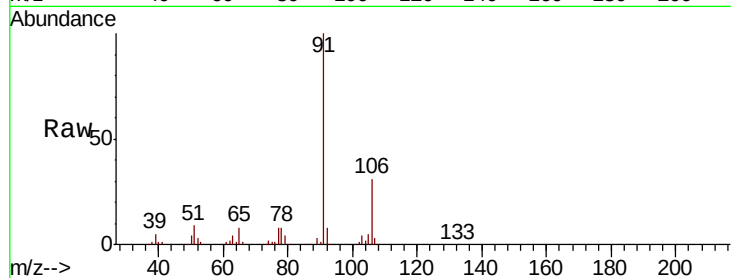




#67
Ethyl Benzene
Concen: 19.31 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

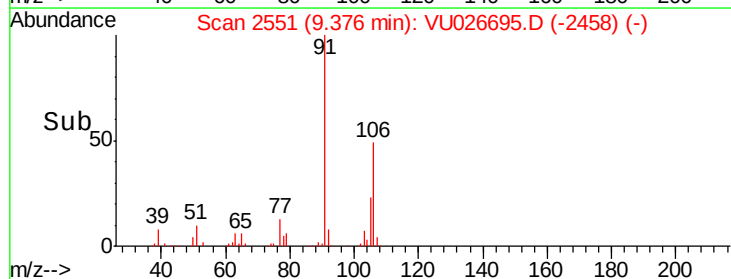
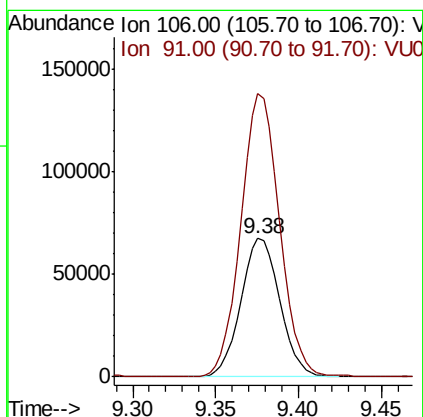
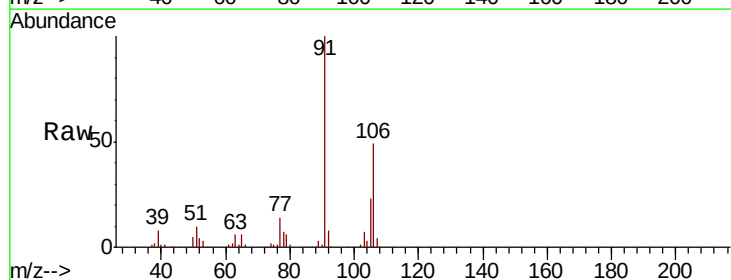
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS02

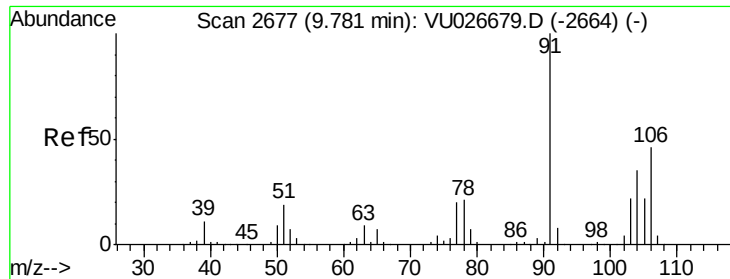
Tot Ion: 91 Resp: 142487
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 39.26 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 106 Resp: 110207
Ion Ratio Lower Upper
106 100
91 203.2 162.1 243.1

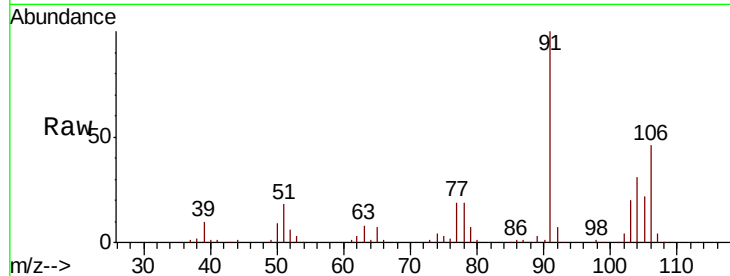




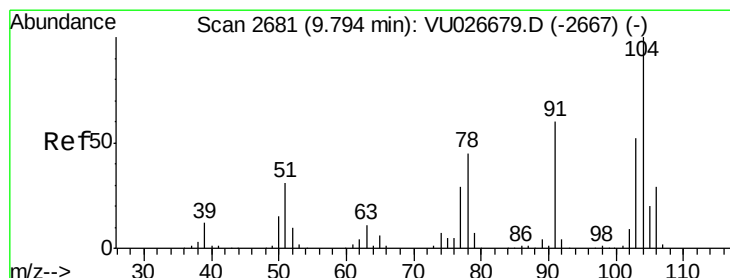
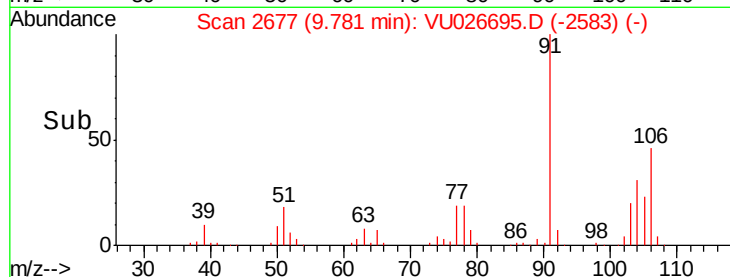
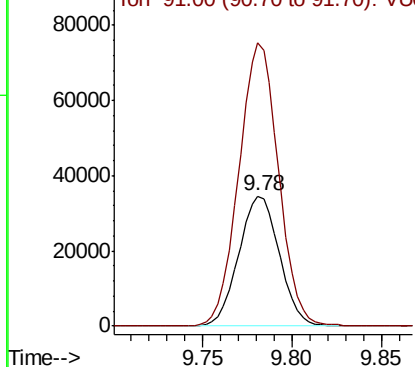
#69
o-Xylene
Concen: 19.10 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

Tot Ion:106 Resp: 54934
Ion Ratio Lower Upper
106 100
91 213.3 106.9 320.8

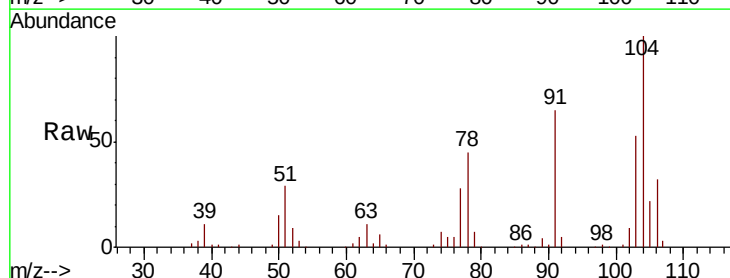


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

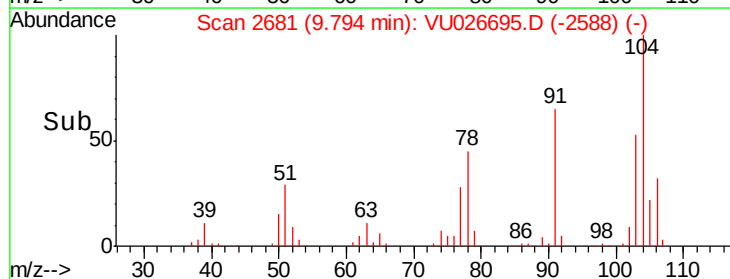
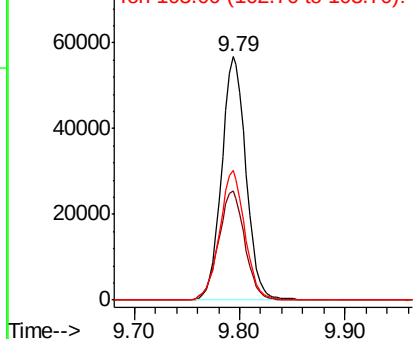


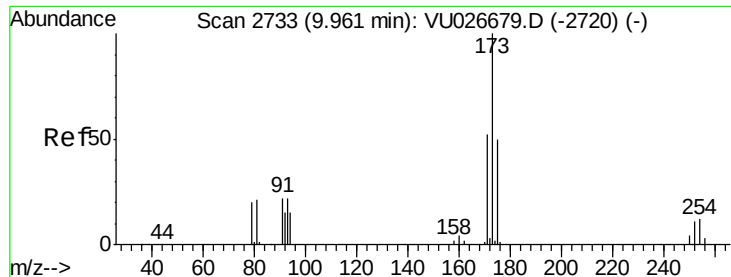
#70
Styrene
Concen: 19.09 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion:104 Resp: 90403
Ion Ratio Lower Upper
104 100
78 48.4 39.4 59.2
103 55.4 44.5 66.7



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





#71

Bromoform

Concen: 20.25 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

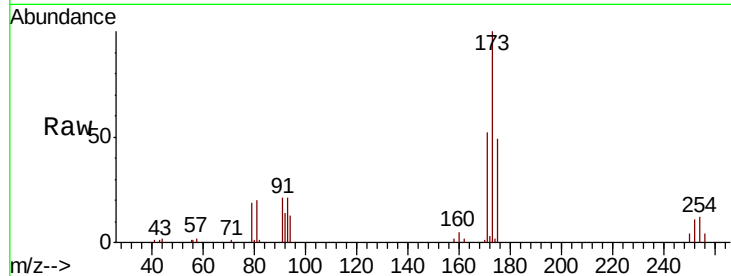
Tot Ion:173 Resp: 29033

Ion Ratio Lower Upper

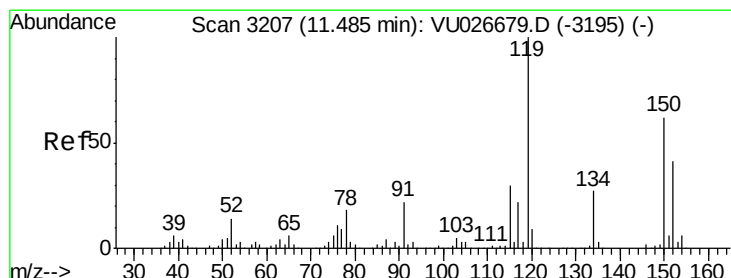
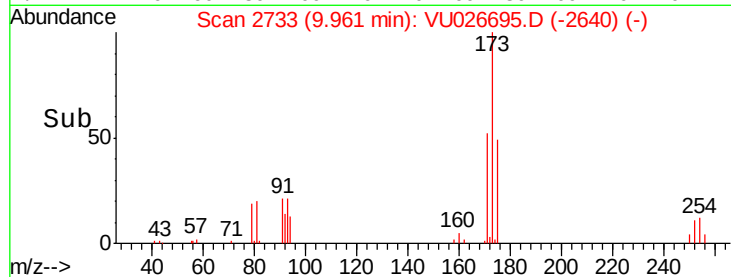
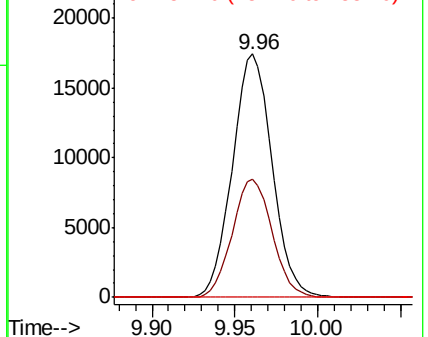
173 100

175 48.7 24.7 74.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

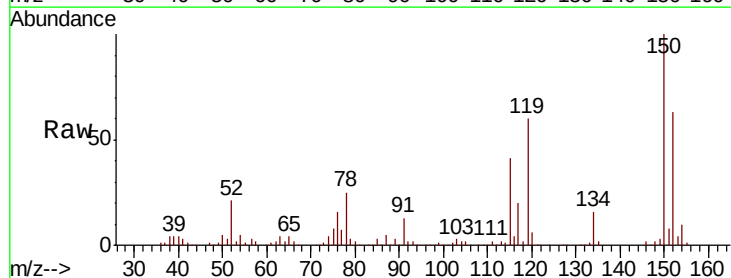
Tgt Ion:152 Resp: 102076

Ion Ratio Lower Upper

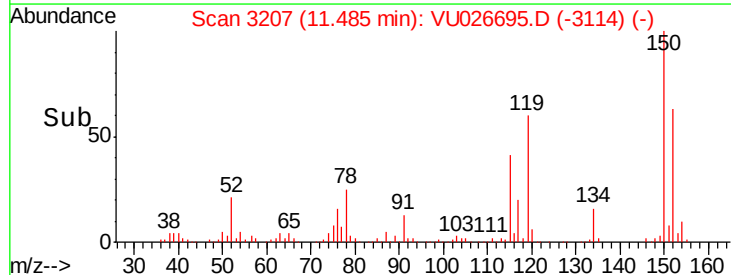
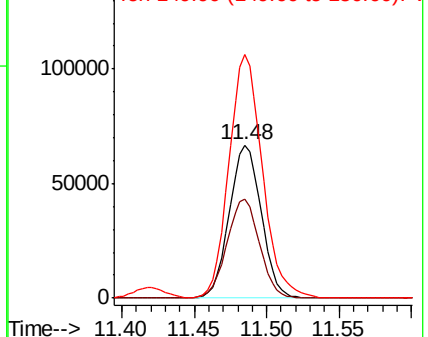
152 100

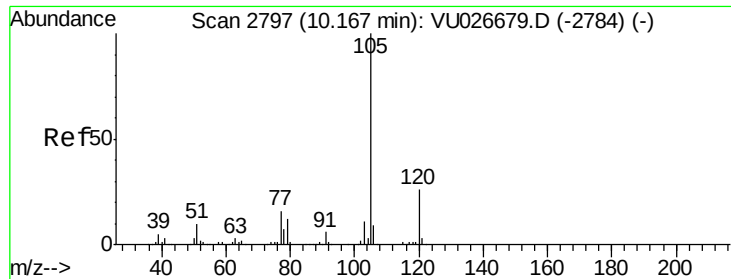
115 65.9 40.4 121.1

150 166.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.60 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

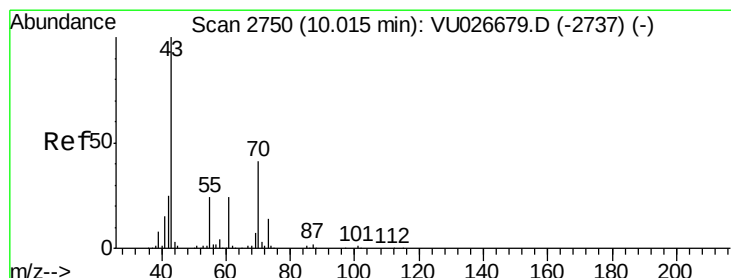
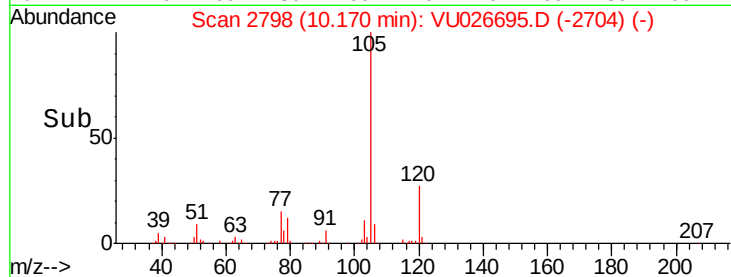
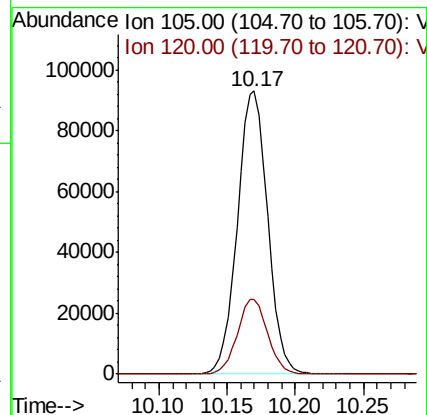
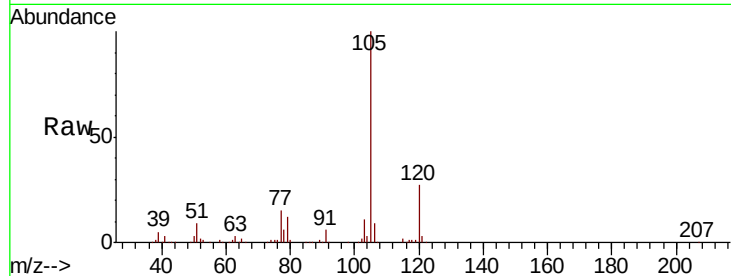
VU0912MBSD02

Tot Ion:105 Resp: 143297

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#74

N-ethyl acetate

Concen: 21.17 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Tgt Ion: 43 Resp: 69507

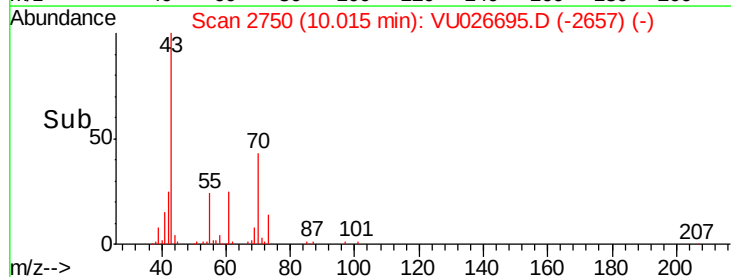
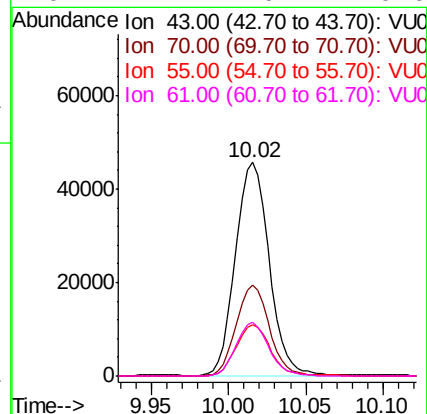
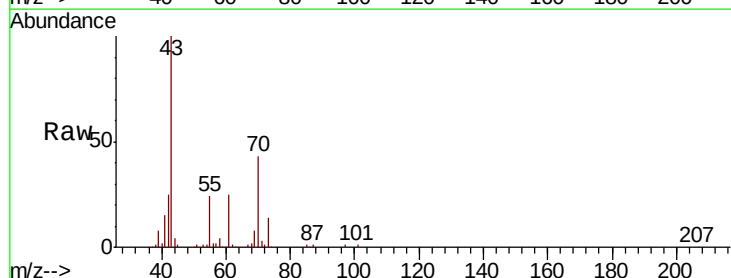
Ion Ratio Lower Upper

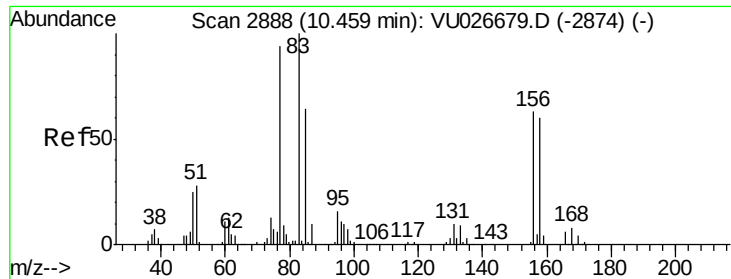
43 100

70 42.1 32.6 48.8

55 24.6 19.1 28.7

61 24.2 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.34 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

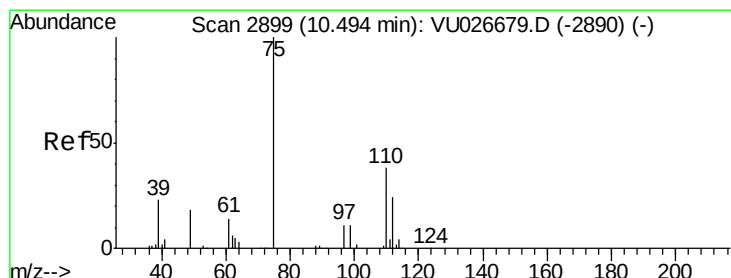
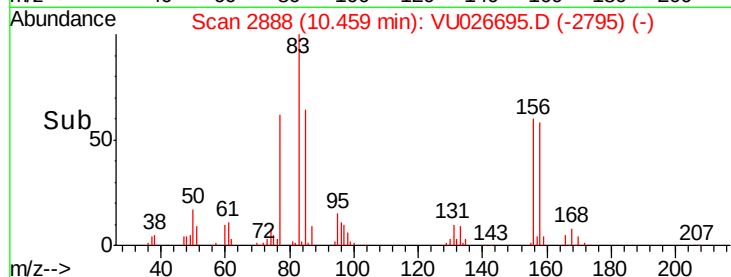
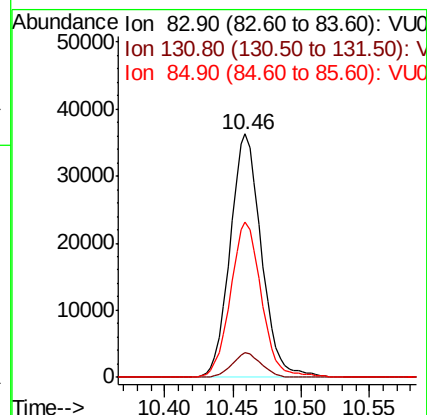
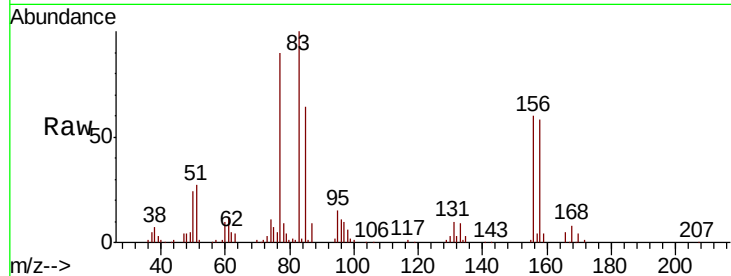
Tot Ion: 83 Resp: 57650

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

85 63.4 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 27.91 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026695.D

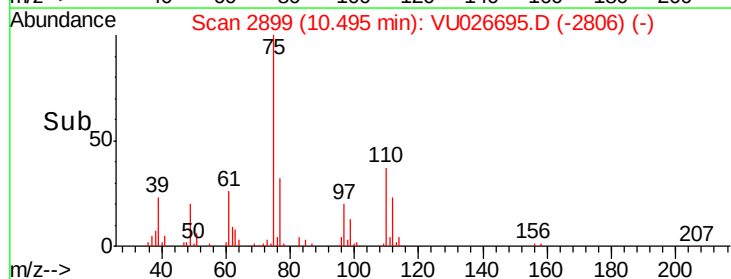
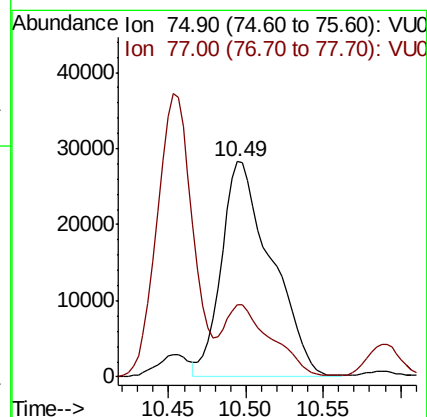
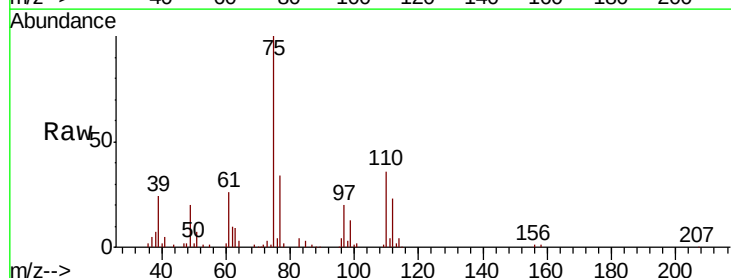
Acq: 12 Sep 2018 11:09

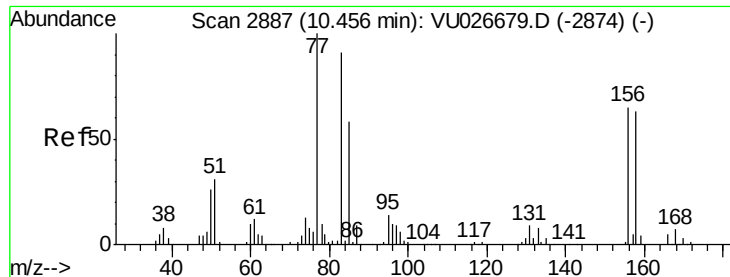
Tgt Ion: 75 Resp: 63807

Ion Ratio Lower Upper

75 100

77 30.8 21.1 63.1





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

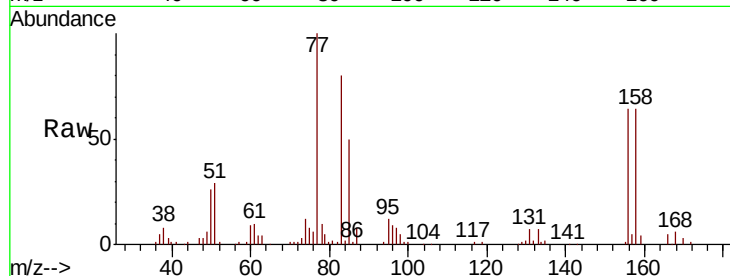
Tot Ion:156 Resp: 38842

Ion Ratio Lower Upper

156 100

77 153.0 77.6 232.9

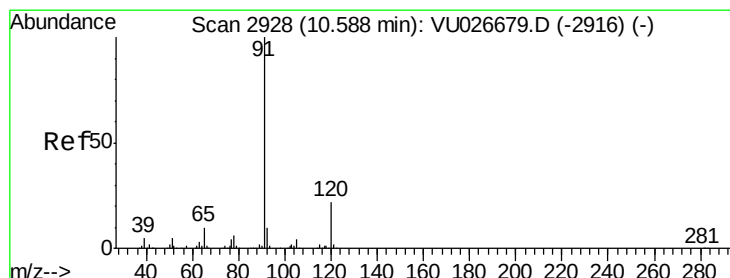
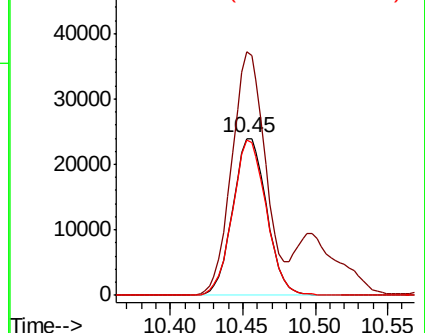
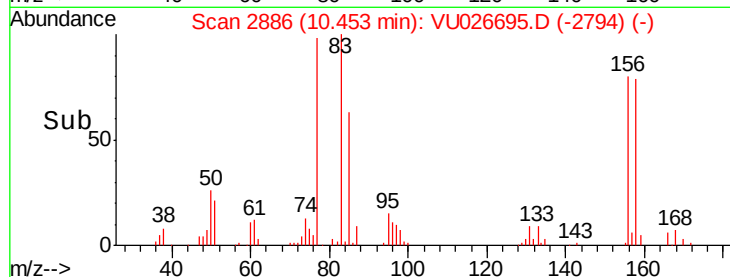
158 98.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.26 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026695.D

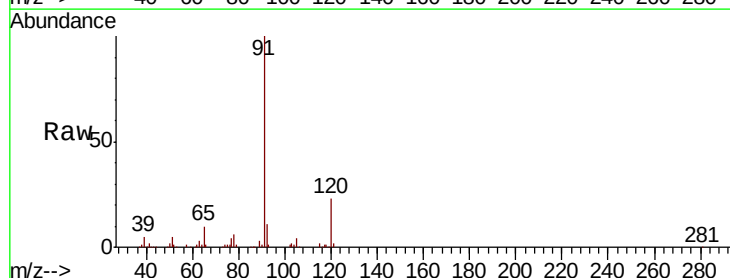
Acq: 12 Sep 2018 11:09

Tgt Ion: 91 Resp: 163890

Ion Ratio Lower Upper

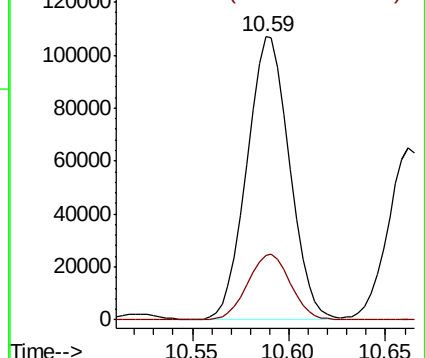
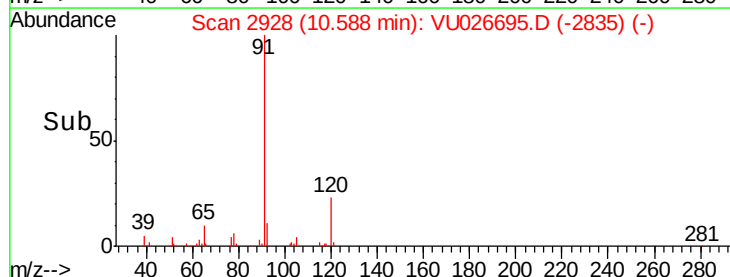
91 100

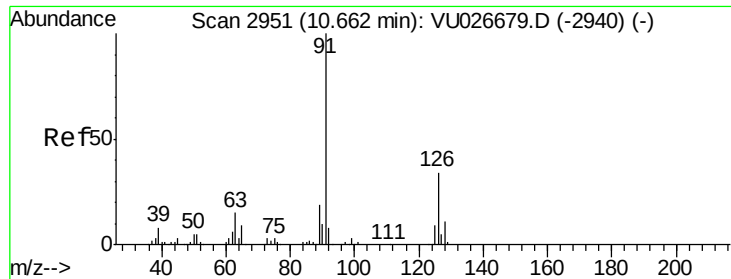
120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.17 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

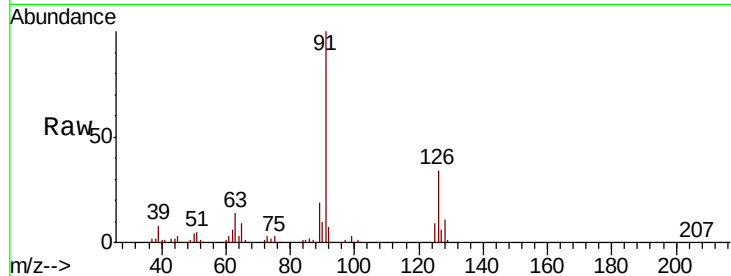
VU0912MBSD02

Tot Ion: 91 Resp: 101159

Ion Ratio Lower Upper

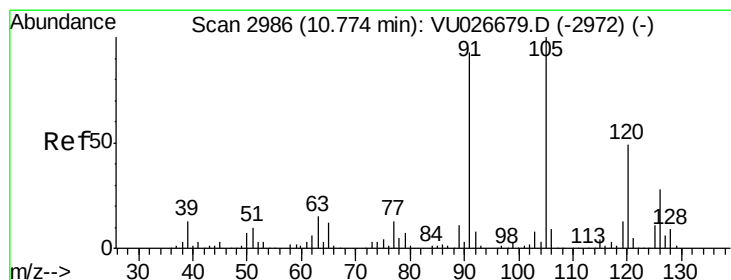
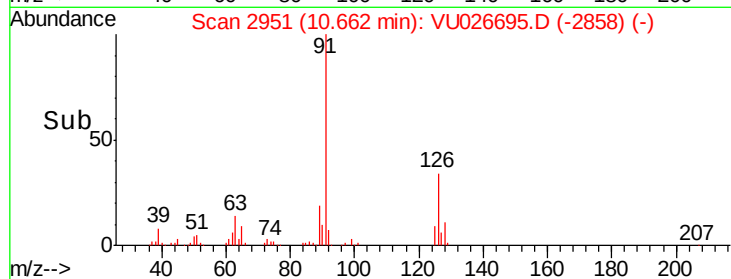
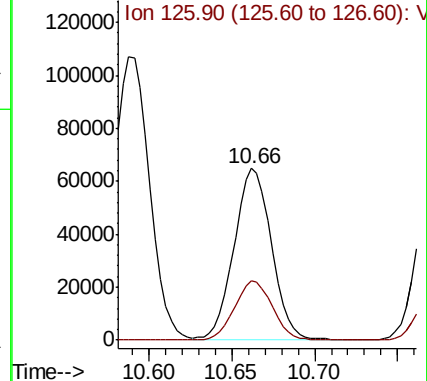
91 100

126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.55 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026695.D

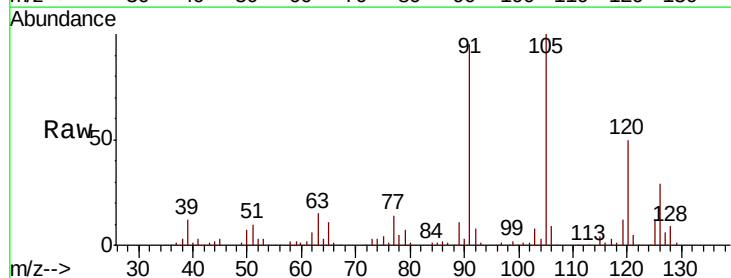
Acq: 12 Sep 2018 11:09

Tgt Ion:105 Resp: 120176

Ion Ratio Lower Upper

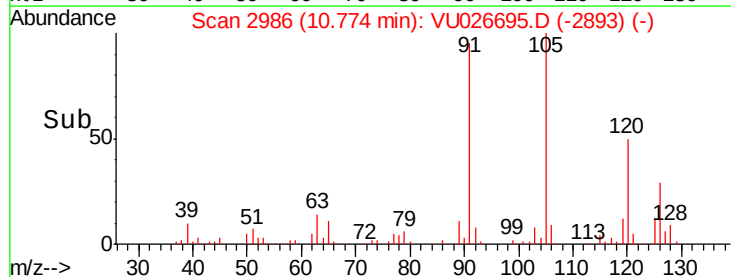
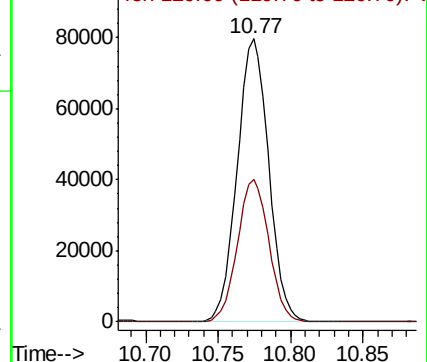
105 100

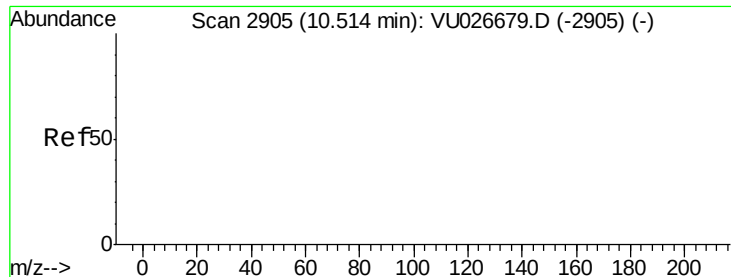
120 50.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.67 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU026695.D

Acq: 12 Sep 2018 11:09

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBSD02

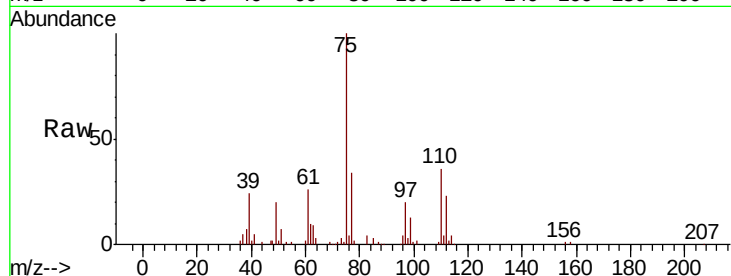
Tot Ion: 75 Resp: 63807

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

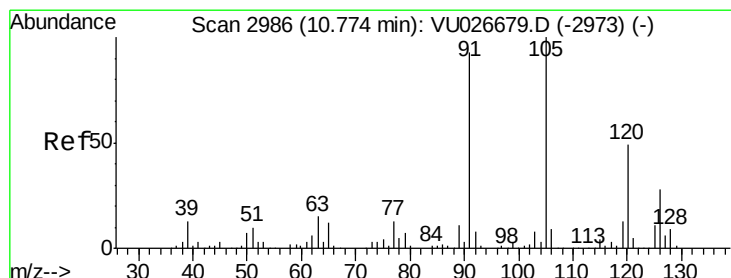
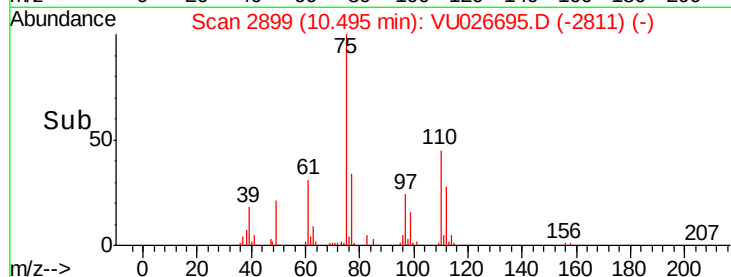
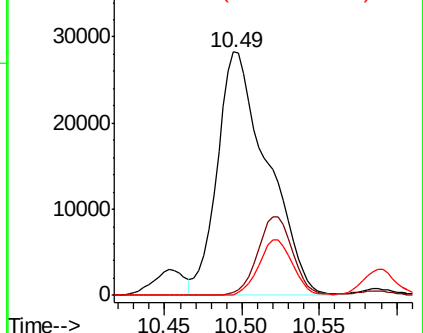
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.52 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026695.D

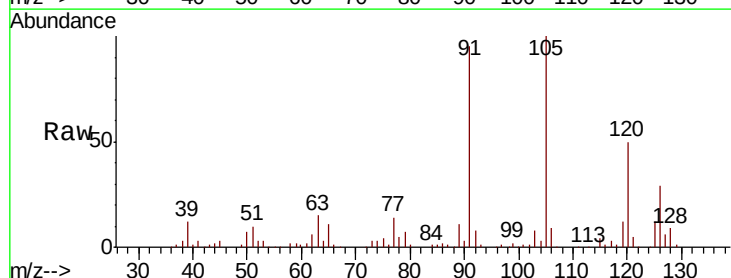
Acq: 12 Sep 2018 11:09

Tgt Ion: 91 Resp: 115618

Ion Ratio Lower Upper

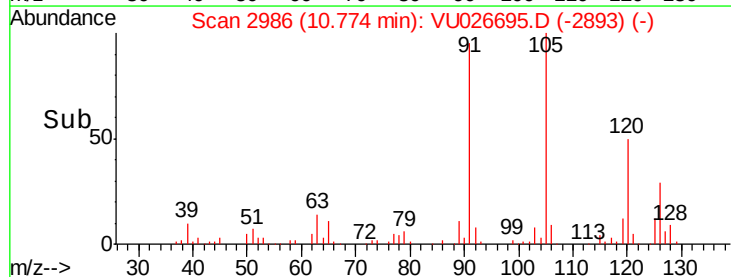
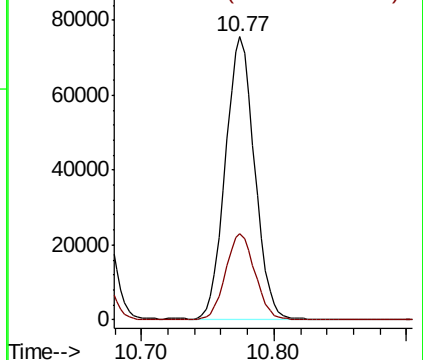
91 100

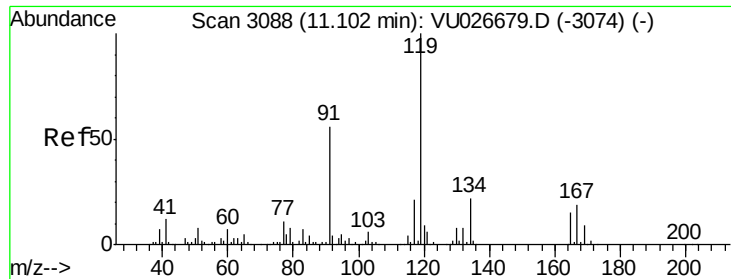
126 30.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

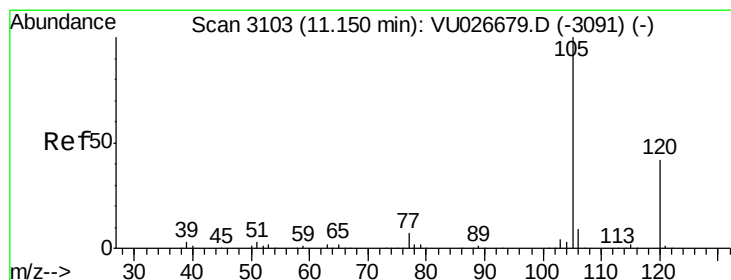
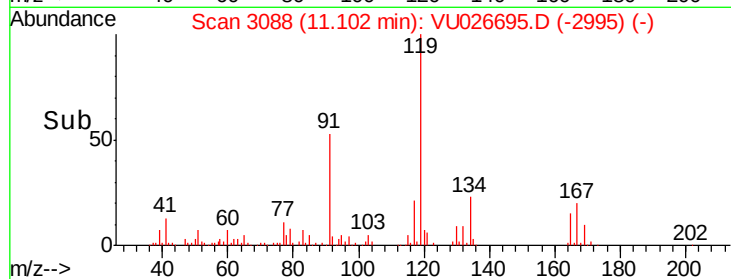
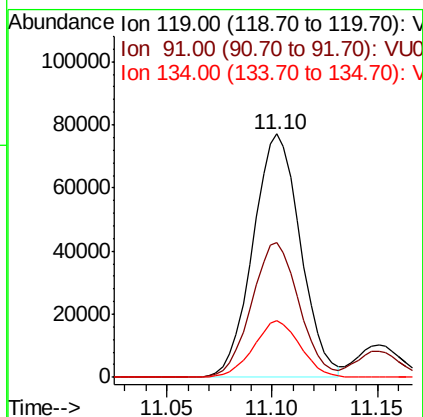
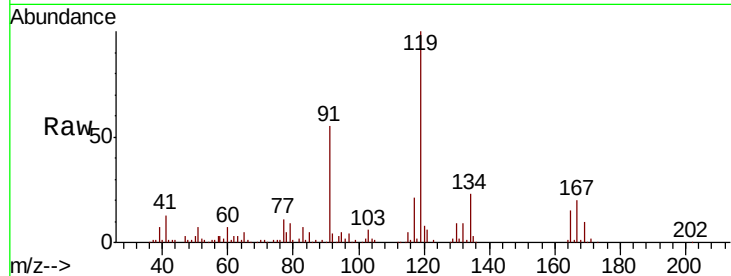




#83
 tert-Butylbenzene
 Concen: 20.36 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

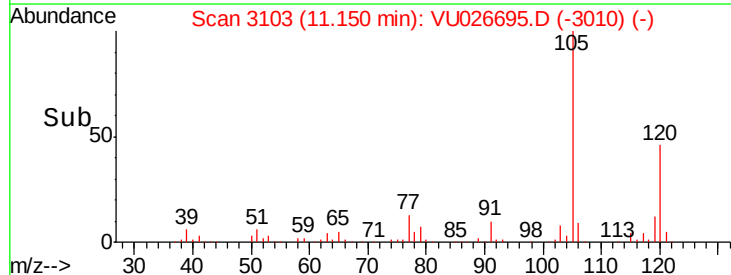
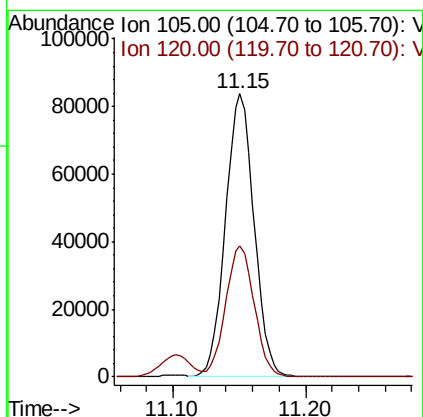
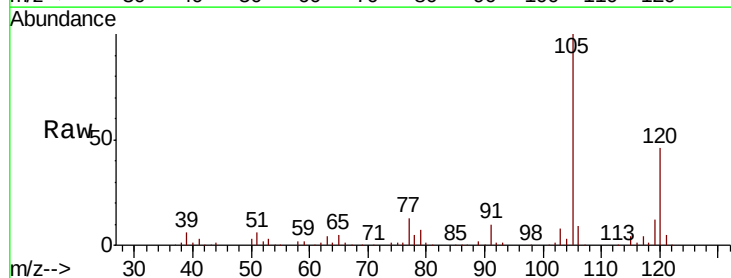
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

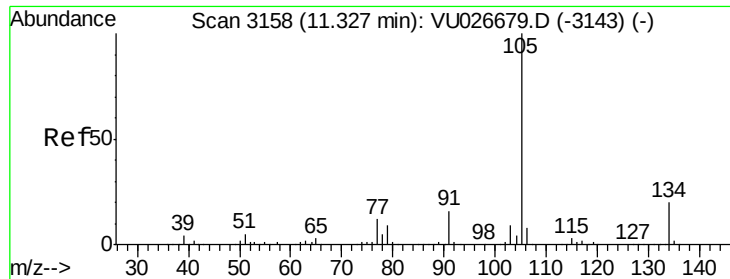
Tot Ion:119 Resp: 120800
 Ion Ratio Lower Upper
 119 100
 91 55.4 28.3 85.0
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.28 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion:105 Resp: 125506
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.8

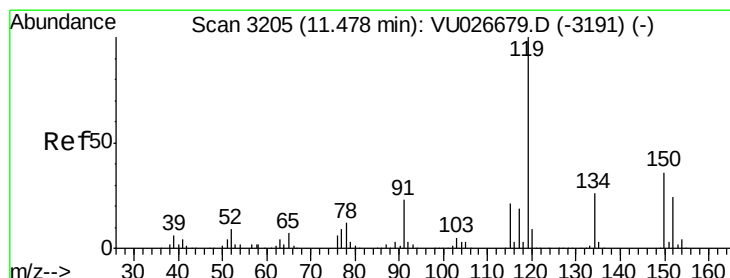
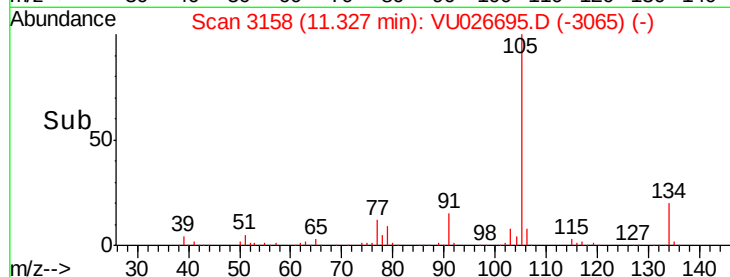
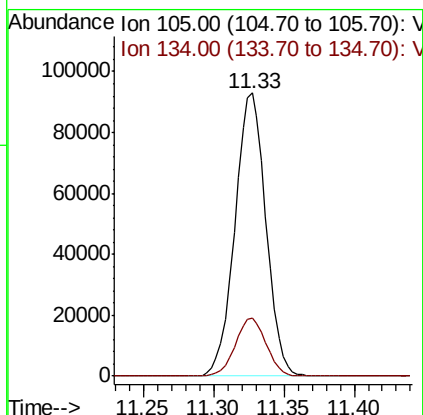
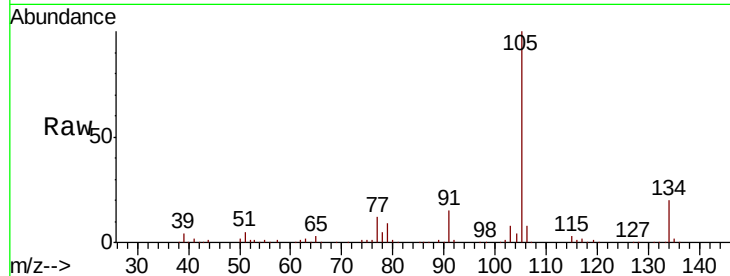




#85
 sec-Butylbenzene
 Concen: 20.29 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

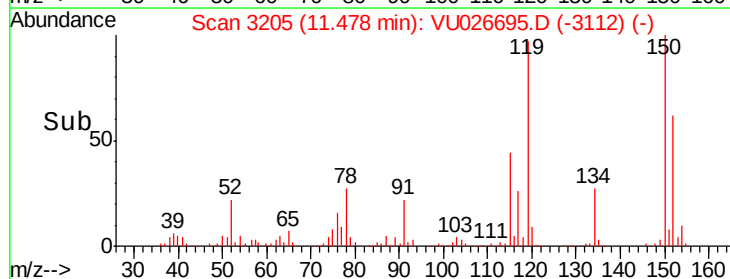
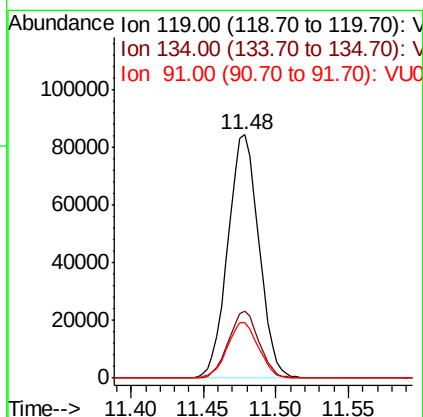
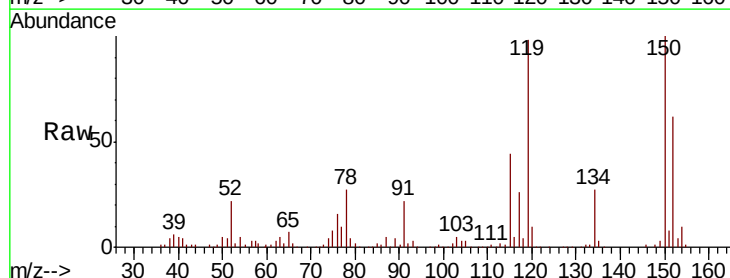
Instrument :
 MSVOA_U
 ClientSampleID :
 VU0912MBSD02

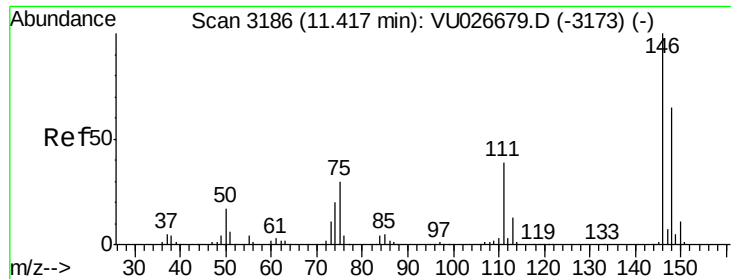
Tot Ion:105 Resp: 142973
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 19.14 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion:119 Resp: 125164
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.5
 91 22.9 11.6 34.8

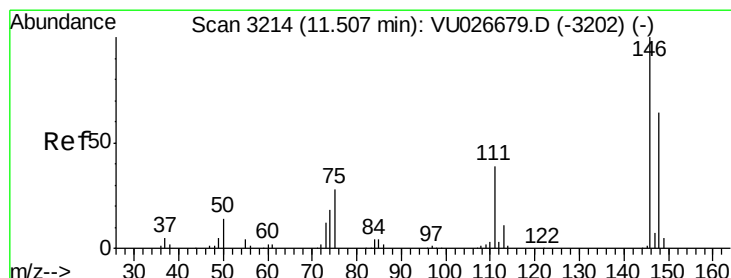
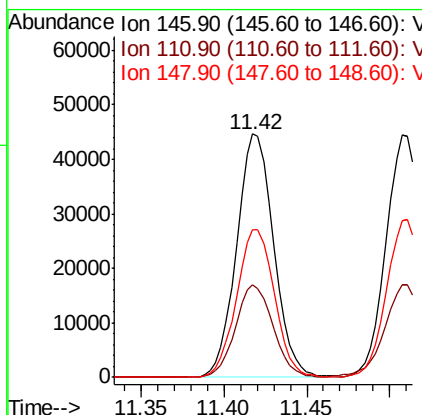
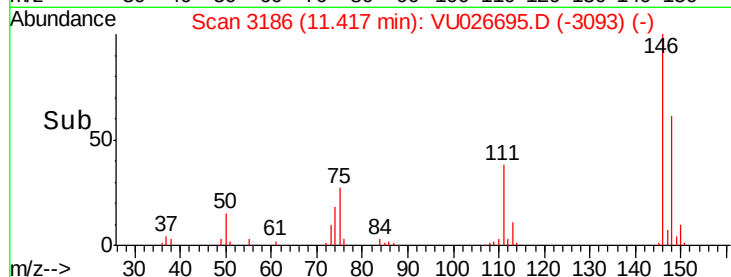
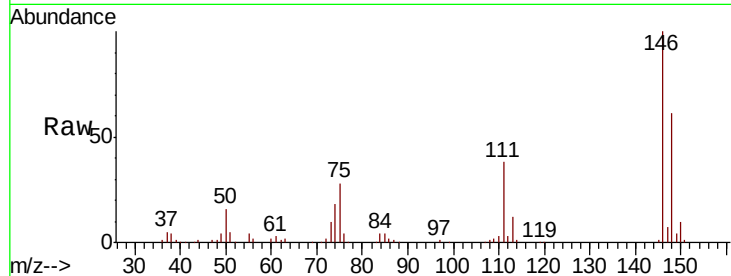




#87
 1,3-Dichlorobenzene
 Concen: 19.71 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

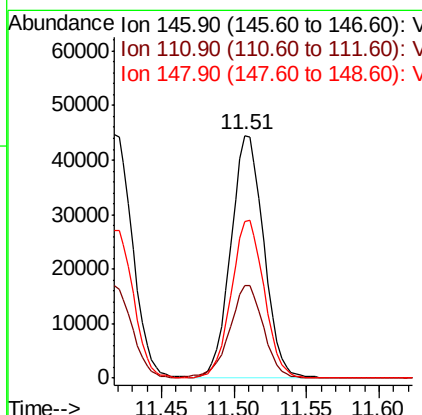
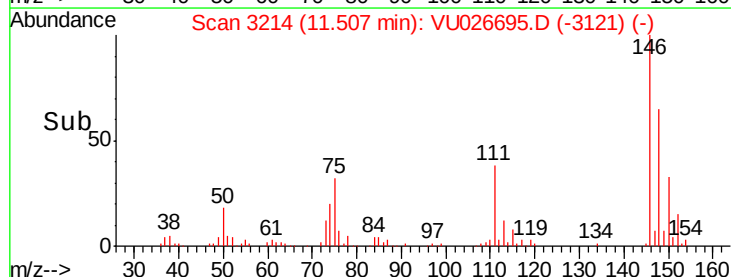
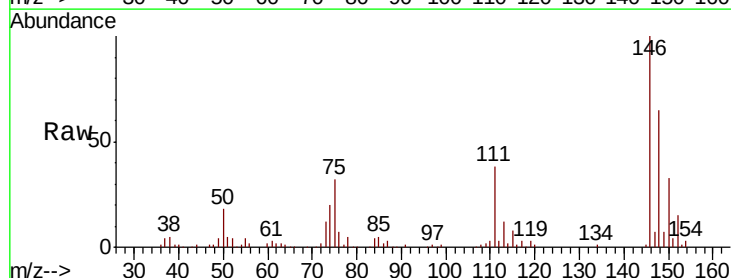
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

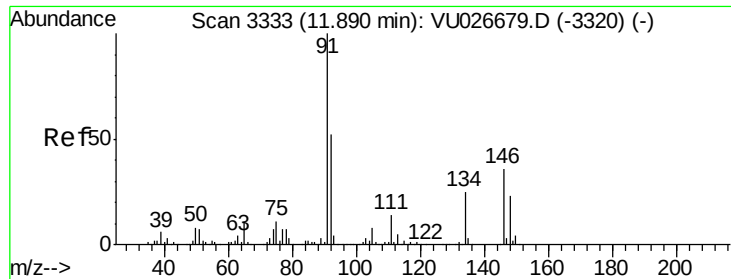
Tot Ion:146 Resp: 69511
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.7 59.1
 148 62.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.02 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion:146 Resp: 69669
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.2 57.6
 148 65.4 32.1 96.3

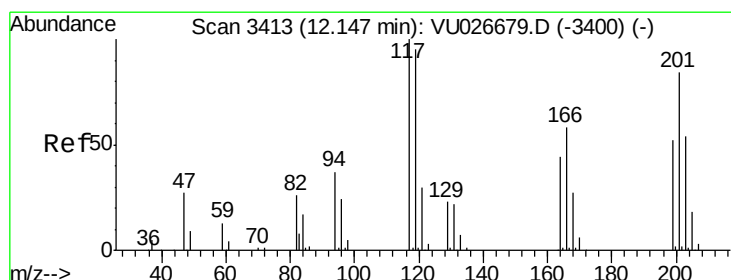
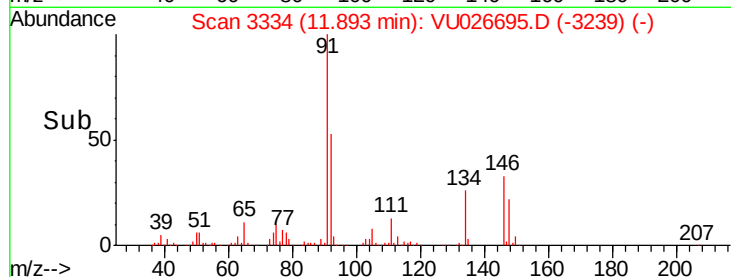
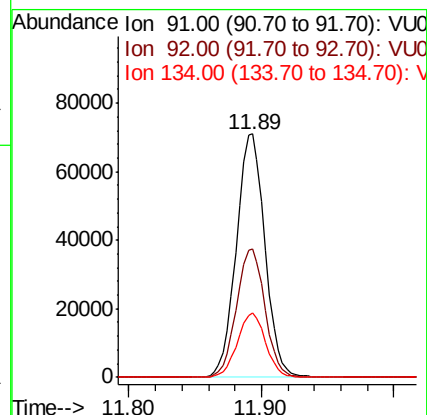
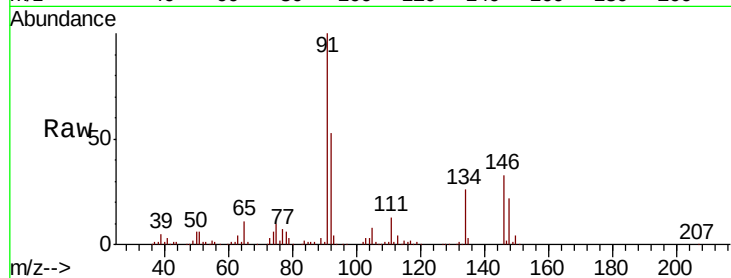




#89
n-Butylbenzene
Concen: 18.52 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

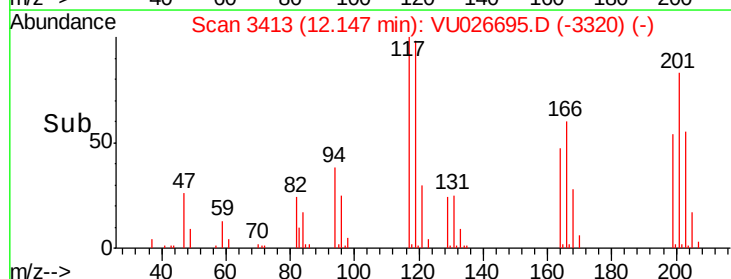
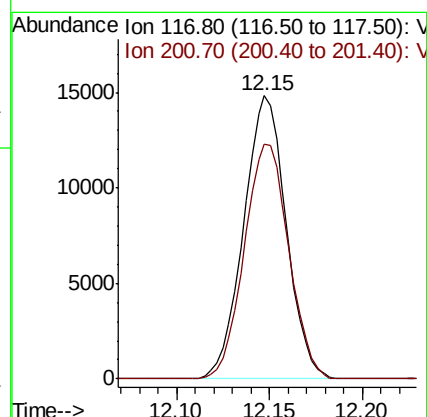
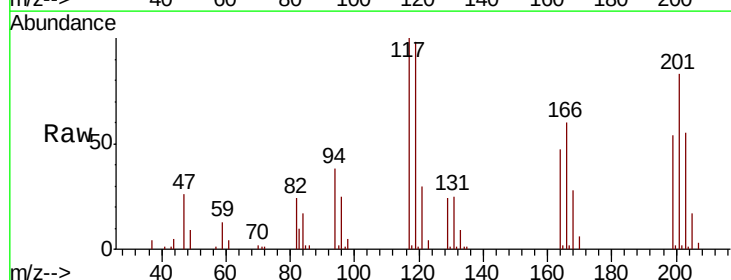
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

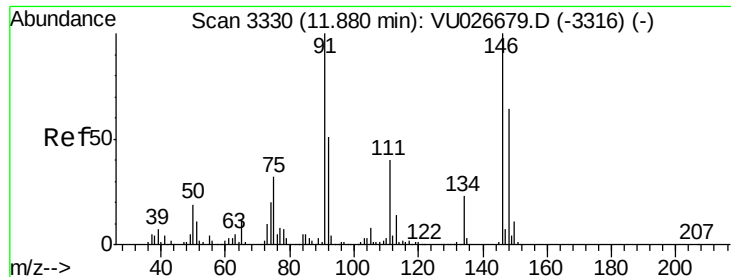
Tot Ion: 91 Resp: 106465
Ion Ratio Lower Upper
91 100
92 52.4 25.8 77.3
134 26.2 12.6 37.8



#90
Hexachloroethane
Concen: 19.03 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion: 117 Resp: 23663
Ion Ratio Lower Upper
117 100
201 86.5 42.4 127.1

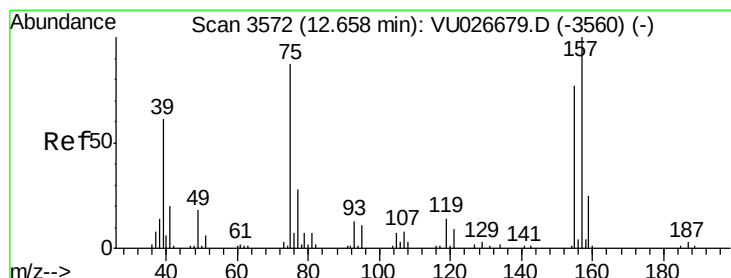
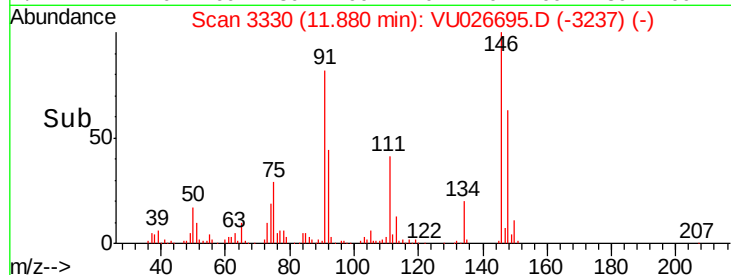
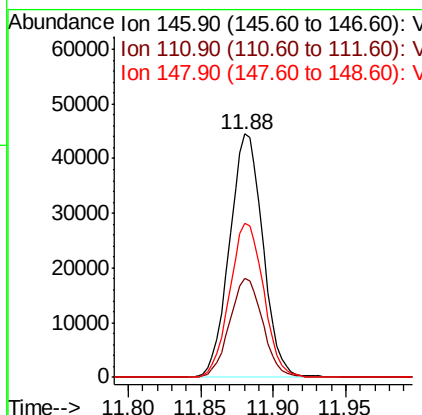
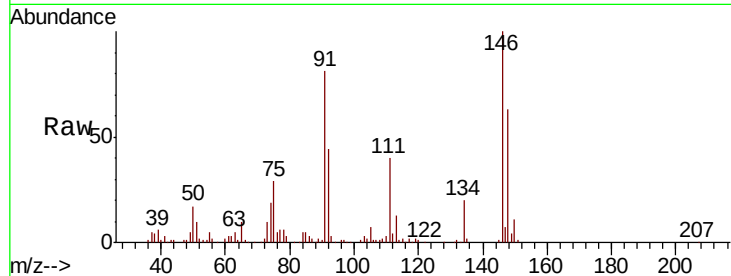




#91
 1,2-Dichlorobenzene
 Concen: 19.98 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

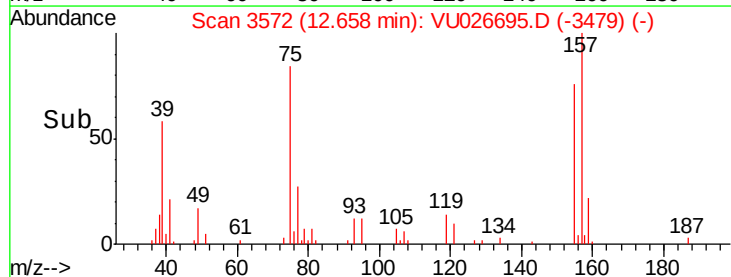
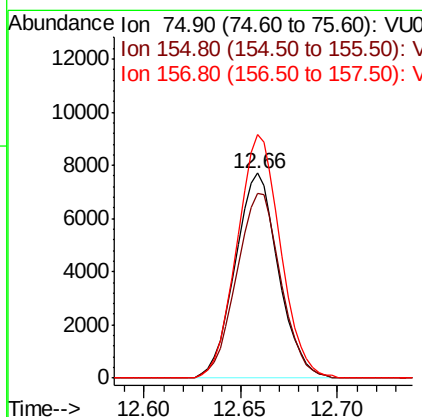
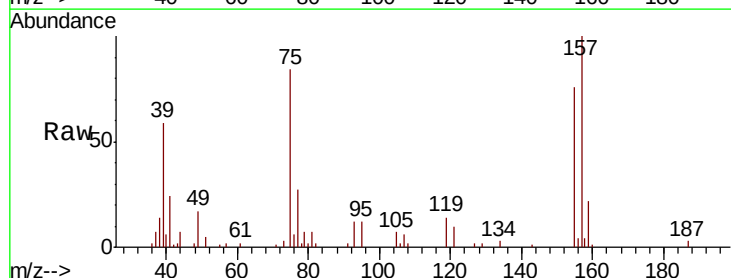
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

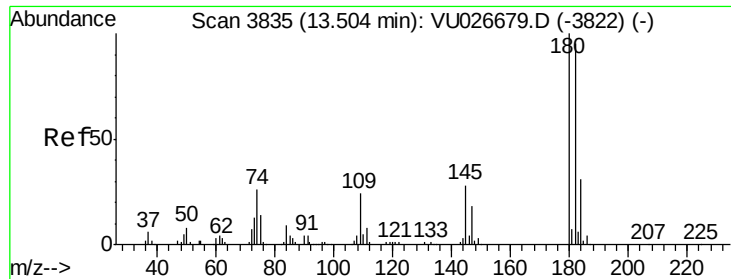
Tot Ion:146 Resp: 70882
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 64.5 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.10 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion: 75 Resp: 11992
 Ion Ratio Lower Upper
 75 100
 155 92.3 44.1 132.4
 157 119.3 57.2 171.6

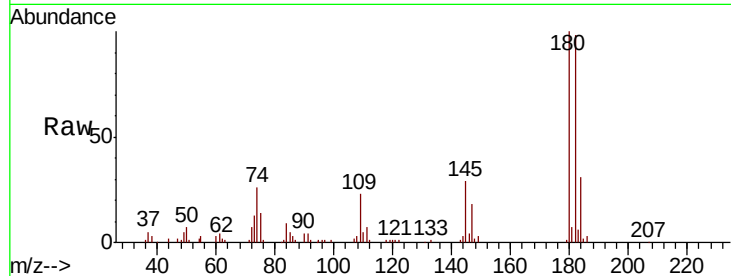




#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	27.2	14.0	42.0

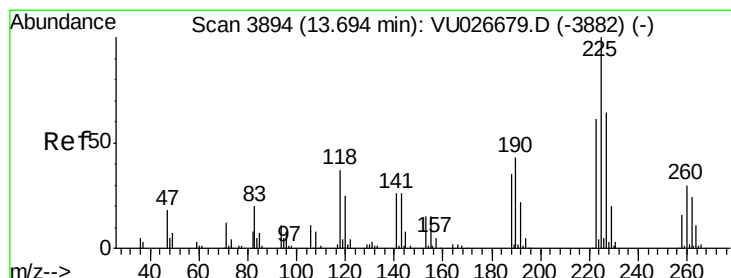
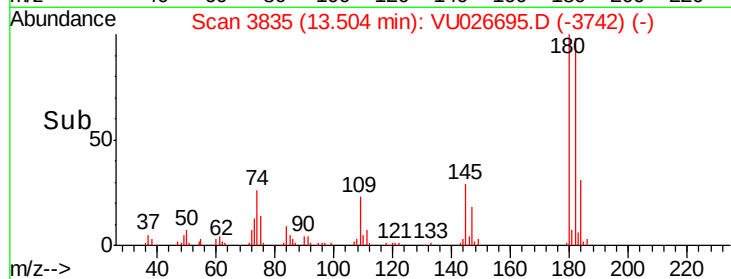
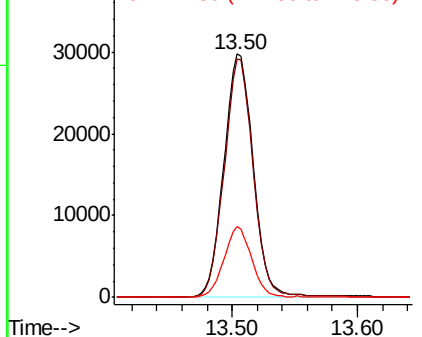


Abundance

Ion 179.80 (179.50 to 180.50): V

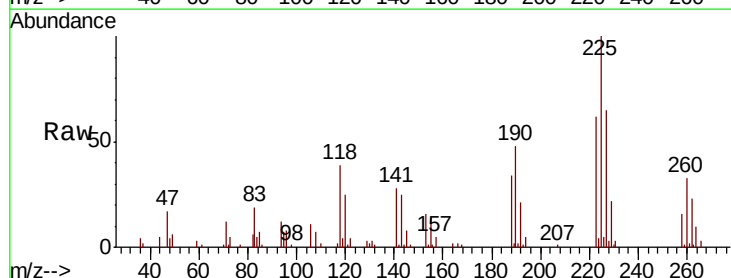
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.25 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026695.D
 Acq: 12 Sep 2018 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.6	92.0
227	64.3	32.1	96.3

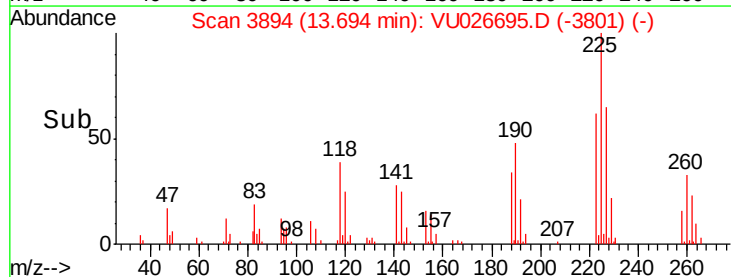
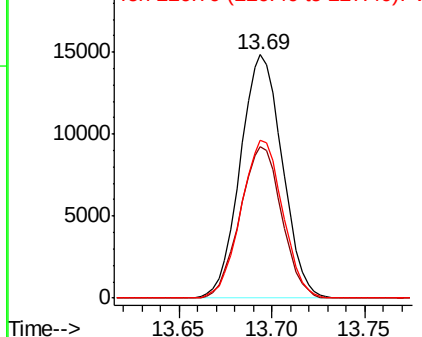


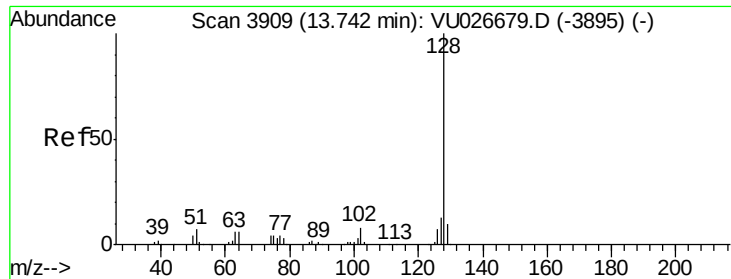
Abundance

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

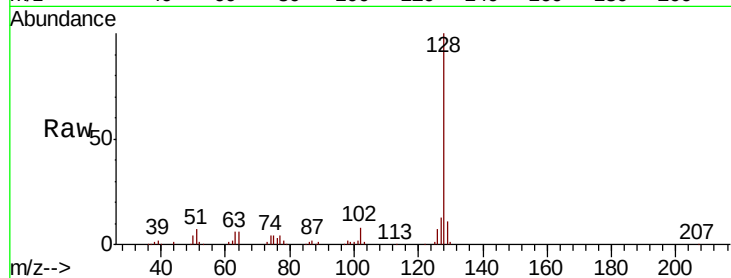




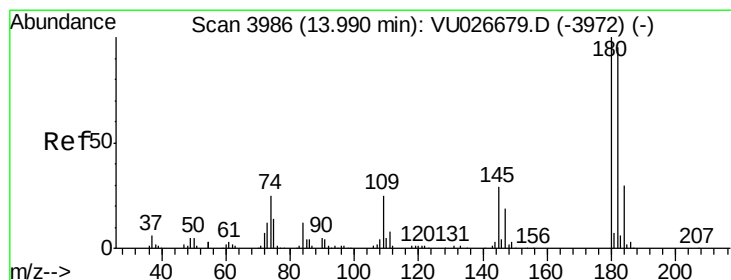
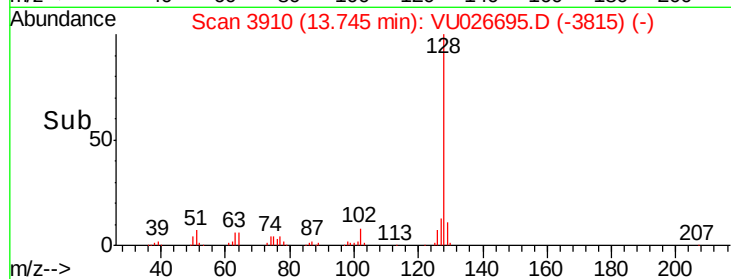
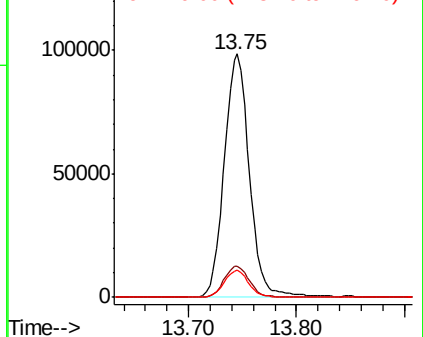
#95
Naphthalene
Concen: 20.84 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBSD02

Tot Ion:128 Resp: 160376
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.6 12.8

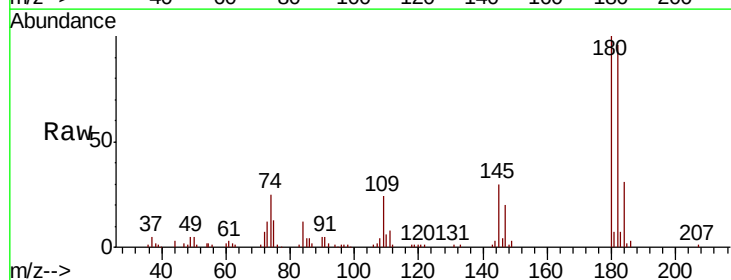


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.98 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026695.D
Acq: 12 Sep 2018 11:09

Tgt Ion:180 Resp: 51612
Ion Ratio Lower Upper
180 100
182 97.5 47.9 143.7
145 29.6 14.9 44.9



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

