

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029111.D
 Acq On : 10 Jan 2019 12:15
 Operator : MD/SY
 Sample : VU0110MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Quant Time: Jan 11 02:45:20 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	134326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	222918	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	85780	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	4.88	113	72206	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	7.56	98	278730	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.31	95	99708	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	24597	18.464	ug/l	98
3) Chloromethane	1.33	50	38493	17.652	ug/l	98
4) Vinyl Chloride	1.40	62	38090	19.403	ug/l	99
5) Bromomethane	1.62	94	22457	20.456	ug/l	96
6) Chloroethane	1.69	64	22476	19.222	ug/l	99
7) Trichlorofluoromethane	1.88	101	43285	20.235	ug/l	98
8) Diethyl Ether	2.10	74	21935	21.344	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	28238	19.729	ug/l	98
10) Methyl Iodide	2.41	142	28495	21.173	ug/l	100
11) Tert butyl alcohol	2.83	59	45427	107.626	ug/l	99
12) 1,1-Dichloroethene	2.28	96	27373	19.648	ug/l	99
13) Acrolein	2.19	56	27480	86.704	ug/l	97
14) Allyl chloride	2.59	41	45649	17.858	ug/l	91
15) Acrylonitrile	2.94	53	108622	104.897	ug/l	100
16) Acetone	2.32	43	91148	87.134	ug/l	98
17) Carbon Disulfide	2.48	76	83316	17.700	ug/l	98
18) Methyl Acetate	2.61	43	53547	22.015	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	100362	20.491	ug/l	99
20) Methylene Chloride	2.70	84	34060	19.177	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	31277	19.324	ug/l	99
22) Diisopropyl ether	3.57	45	103429	20.473	ug/l	94
23) Vinyl Acetate	3.52	43	420981	101.931	ug/l	99
24) 1,1-Dichloroethane	3.45	63	60296	20.675	ug/l	100
25) 2-Butanone	4.26	43	144612	102.353	ug/l	96
26) 2,2-Dichloropropane	4.22	77	46965	19.930	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	35465	20.033	ug/l	99
28) Bromochloromethane	4.55	49	26914	21.552	ug/l	99
29) Tetrahydrofuran	4.64	42	93213	108.776	ug/l	99
30) Chloroform	4.67	83	57349	20.646	ug/l	98
31) Cyclohexane	4.99	56	55913	19.628	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	47762	20.809	ug/l	99
36) 1,1-Dichloropropene	5.13	75	43118	19.351	ug/l	99
37) Ethyl Acetate	4.38	43	49029	20.046	ug/l	98
38) Carbon Tetrachloride	5.13	117	37968	20.430	ug/l	98

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 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	52078	19.012	ug/l	99
40) Benzene	5.39	78	138247	19.891	ug/l	99
41) Methacrylonitrile	4.54	41	26965	20.597	ug/l	99
42) 1,2-Dichloroethane	5.40	62	43650	20.900	ug/l	100
43) Isopropyl Acetate	5.55	43	80618	21.488	ug/l	98
44) Trichloroethene	6.18	130	32841	19.071	ug/l	99
45) 1,2-Dichloropropane	6.43	63	37587	20.479	ug/l	99
46) Dibromomethane	6.56	93	23384	19.930	ug/l	98
47) Bromodichloromethane	6.75	83	43539	20.154	ug/l	98
48) Methyl methacrylate	6.62	41	38821	21.250	ug/l	99
49) 1,4-Dioxane	6.61	88	19179	443.000	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	268596	105.195	ug/l	99
52) Toluene	7.64	92	83270	19.680	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	50207	19.347	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	55221	19.693	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	34720	20.483	ug/l	98
56) Ethyl methacrylate	8.02	69	52943	20.274	ug/l	99
57) 1,3-Dichloropropane	8.24	76	59985	20.681	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	118689	103.347	ug/l	99
59) 2-Hexanone	8.36	43	206714	103.137	ug/l	99
60) Dibromochloromethane	8.48	129	33371	19.872	ug/l	99
61) 1,2-Dibromoethane	8.58	107	36888	20.066	ug/l	100
64) Tetrachloroethene	8.22	164	29313	19.809	ug/l	90
65) Chlorobenzene	9.12	112	90672	19.691	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	30575	20.460	ug/l	99
67) Ethyl Benzene	9.25	91	162758	21.171	ug/l	99
68) m/p-Xylenes	9.37	106	133536	44.704	ug/l	98
69) o-Xylene	9.78	106	63756	22.151	ug/l	98
70) Styrene	9.79	104	94956	20.125	ug/l	99
71) Bromoform	9.95	173	25535	19.191	ug/l #	97
73) Isopropylbenzene	10.16	105	152967	21.138	ug/l	99
74) N-amyl acetate	10.01	43	66928	21.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	60831	20.974	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	68204	28.472	ug/l	86
77) Bromobenzene	10.45	156	38487	20.408	ug/l	99
78) n-propylbenzene	10.58	91	183837	21.556	ug/l	99
79) 2-Chlorotoluene	10.66	91	110090	21.280	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	136266	22.549	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	68204	73.430	ug/l #	100
82) 4-Chlorotoluene	10.77	91	119978	20.225	ug/l	99
83) tert-Butylbenzene	11.10	119	125117	21.006	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	174666	28.950	ug/l	100
85) sec-Butylbenzene	11.32	105	154107	21.393	ug/l	99
86) p-Isopropyltoluene	11.47	119	129338	21.071	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	68396	19.773	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	69324	19.415	ug/l	99
89) n-Butylbenzene	11.89	91	120429	21.982	ug/l	98
90) Hexachloroethane	12.14	117	20581	19.931	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	70229	20.157	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12442	22.304	ug/l	97

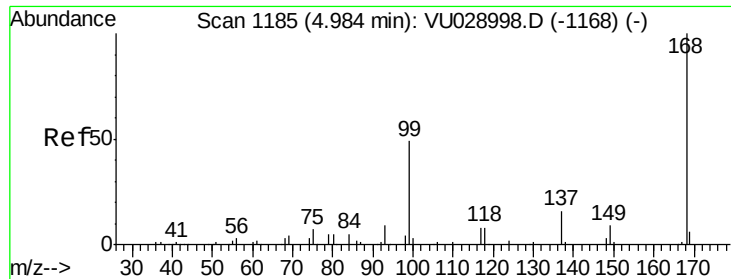
Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44412	19.969	ug/l	98
94) Hexachlorobutadiene	13.69	225	22251	21.873	ug/l	99
95) Naphthalene	13.74	128	156846	20.731	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	46894	20.939	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

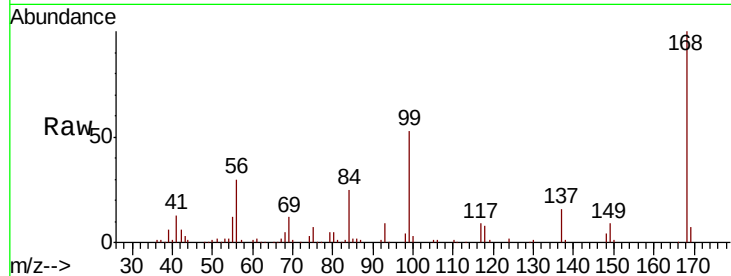
VU0110MBS01

Tgt Ion: 168 Resp: 134326

Ion Ratio Lower Upper

168 100

99 52.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

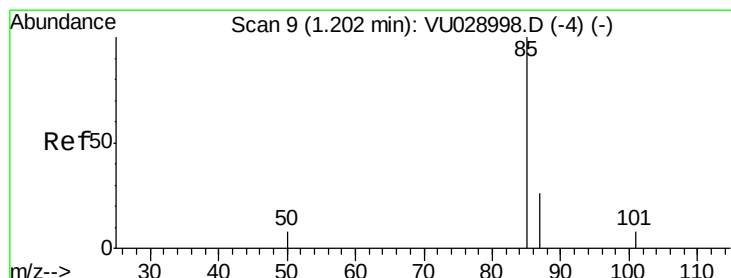
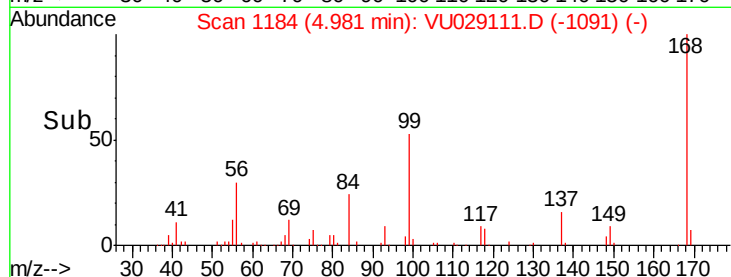
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.464 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029111.D

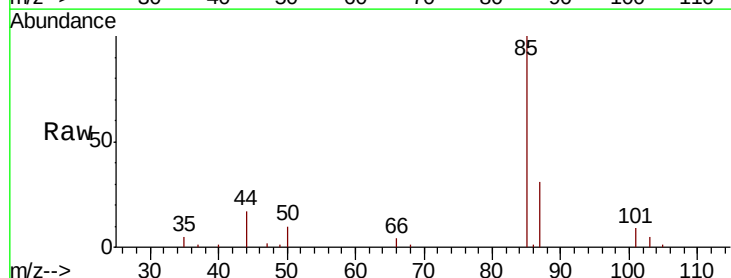
Acq: 10 Jan 2019 12:15

Tgt Ion: 85 Resp: 24597

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

30000

25000

20000

15000

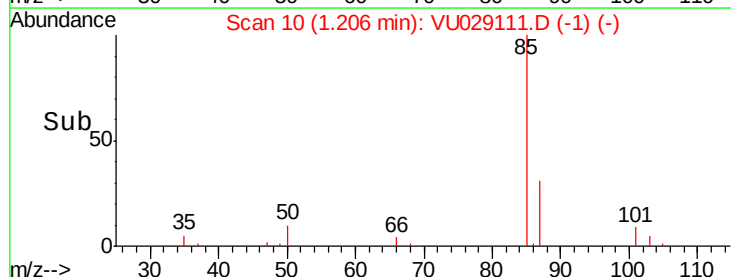
10000

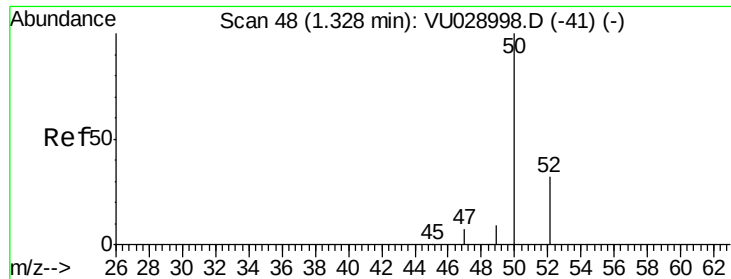
5000

0

1.20 1.21 1.22 1.23 1.24 1.25

Time-->





#3

Chloromethane

Concen: 17.652 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

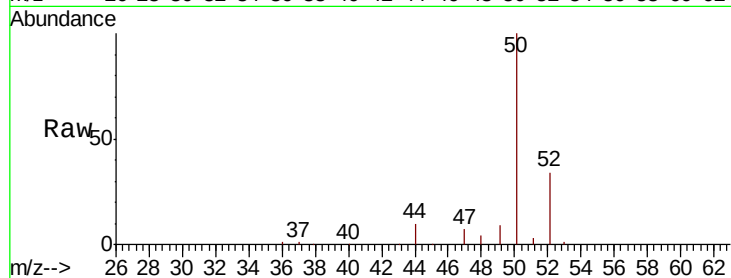
VU0110MBS01

Tgt Ion: 50 Resp: 38493

Ion Ratio Lower Upper

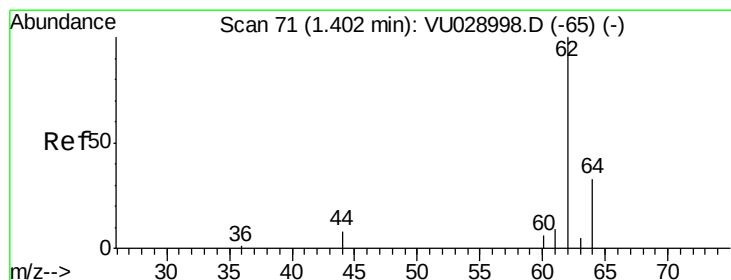
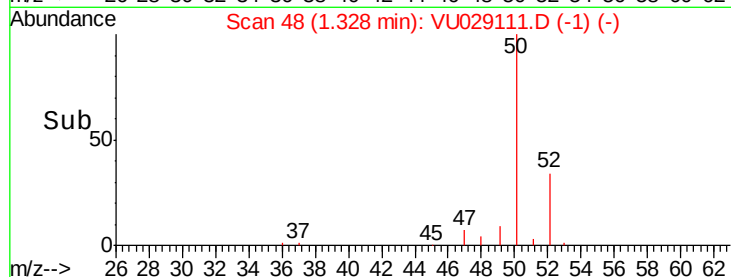
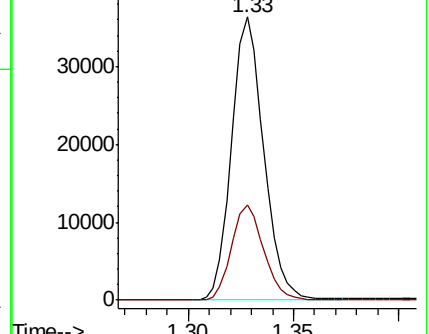
50 100

52 33.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.403 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029111.D

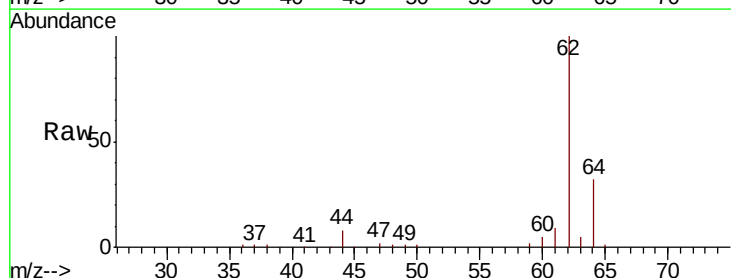
Acq: 10 Jan 2019 12:15

Tgt Ion: 62 Resp: 38090

Ion Ratio Lower Upper

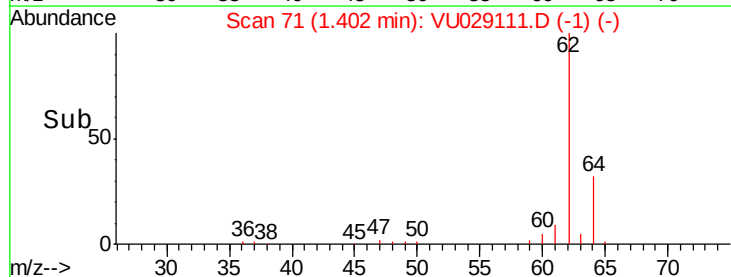
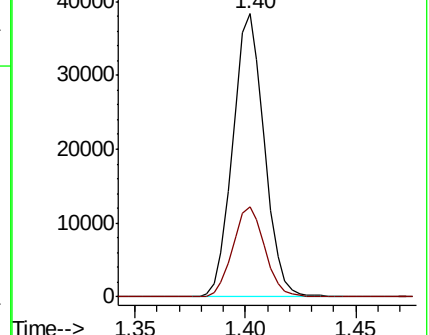
62 100

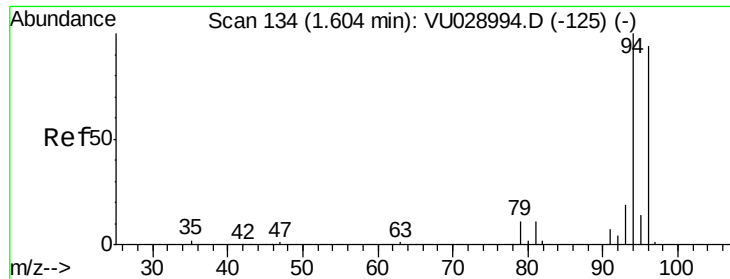
64 32.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.456 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

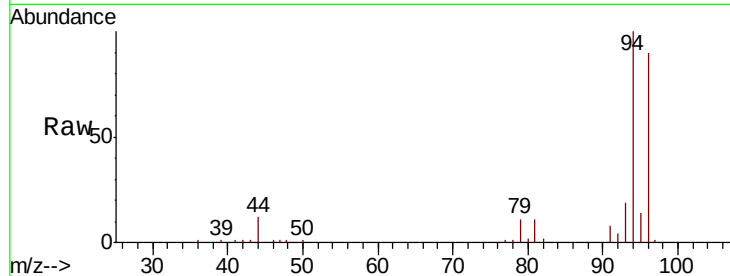
VU0110MBS01

Tgt Ion: 94 Resp: 22457

Ion Ratio Lower Upper

94 100

96 90.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

20000

15000

10000

5000

0

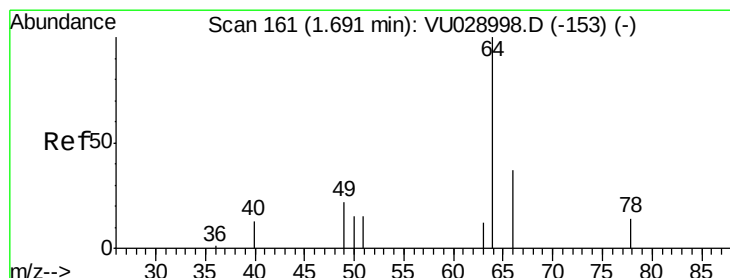
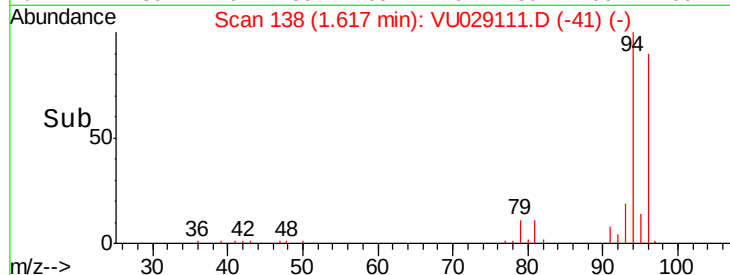
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: 19.222 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029111.D

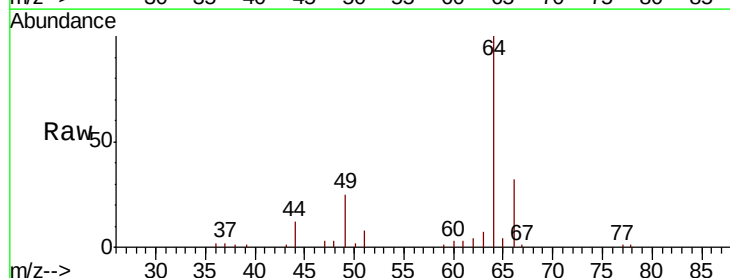
Acq: 10 Jan 2019 12:15

Tgt Ion: 64 Resp: 22476

Ion Ratio Lower Upper

64 100

66 31.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

20000

15000

10000

5000

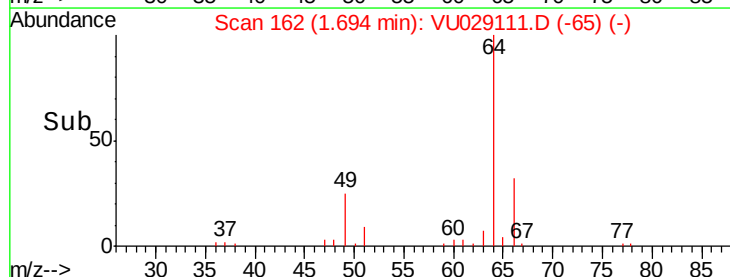
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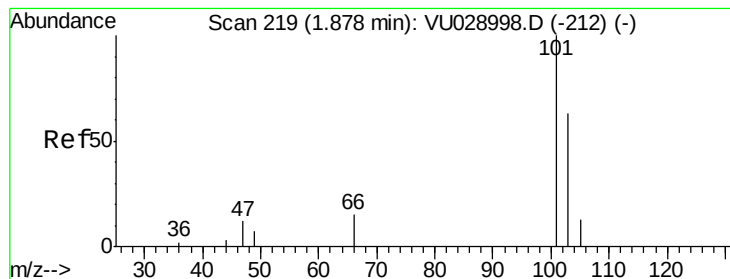
Time-->

1.65

1.70

1.75



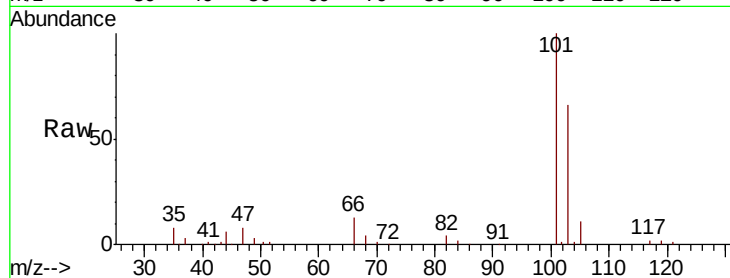


#7

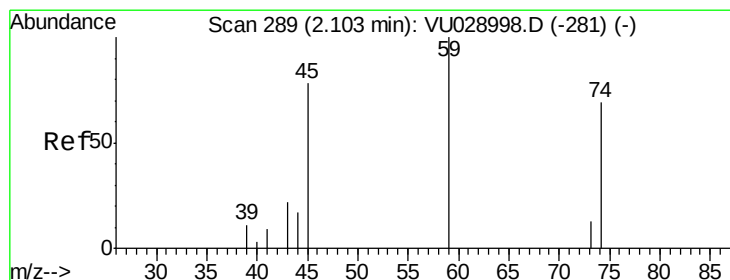
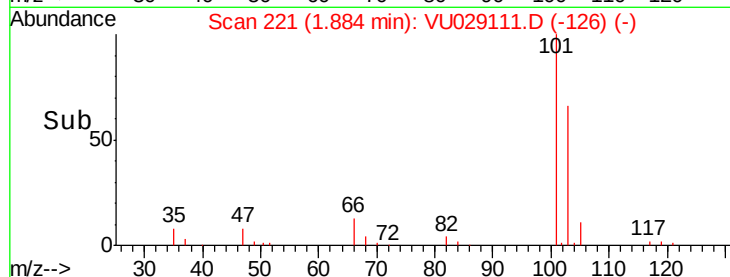
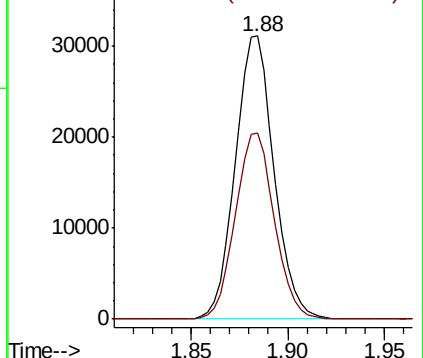
Trichlorofluoromethane
Concen: 20.235 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 101 Resp: 43285
Ion Ratio Lower Upper
101 100
103 65.9 51.5 77.3



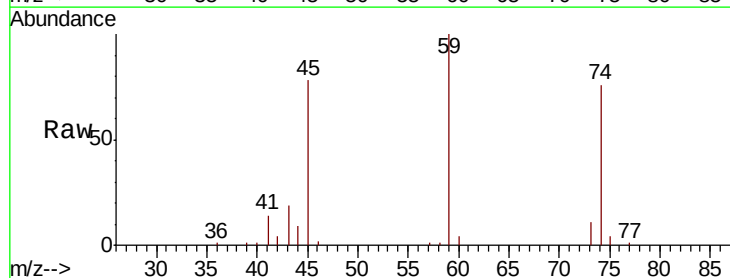
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



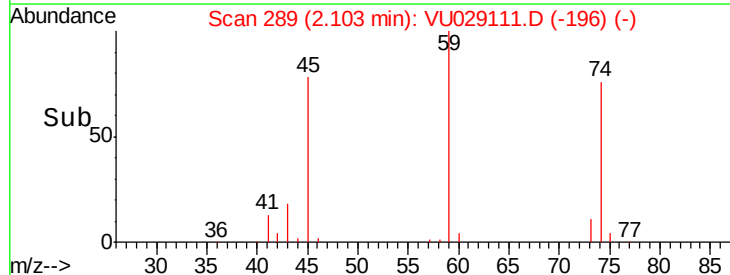
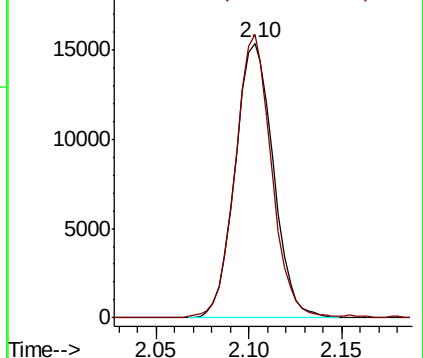
#8

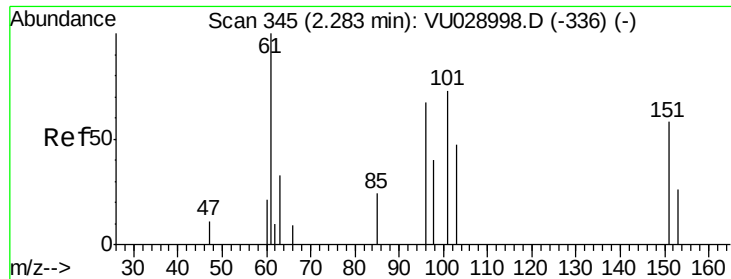
Diethyl Ether
Concen: 21.344 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 74 Resp: 21935
Ion Ratio Lower Upper
74 100
45 97.9 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.729 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

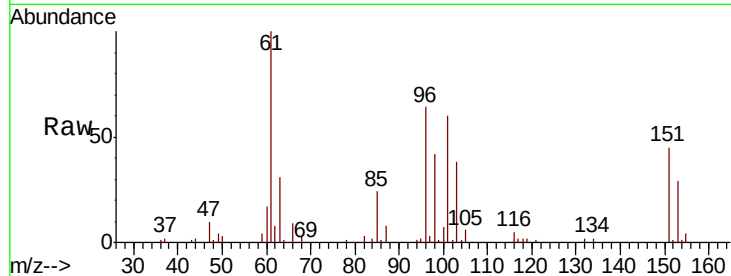
Tgt Ion:101 Resp: 28238

Ion Ratio Lower Upper

101 100

85 41.8 35.1 52.7

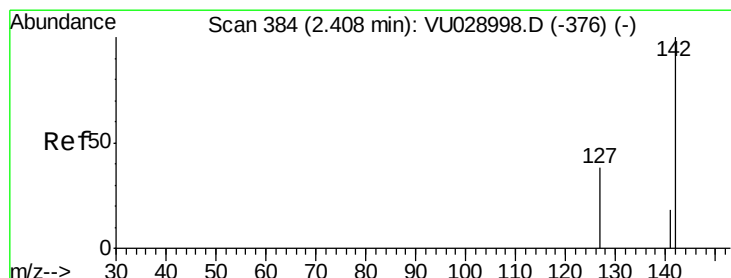
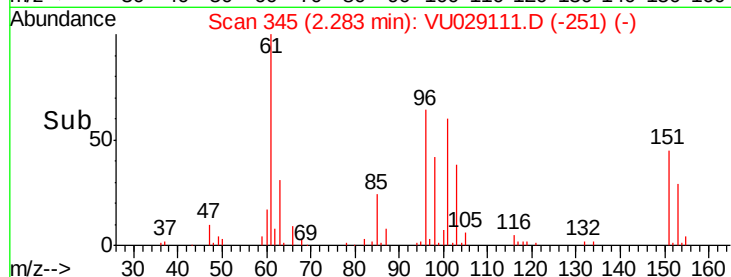
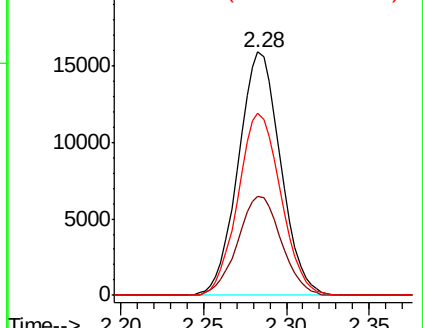
151 75.6 60.2 90.2



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: 21.173 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

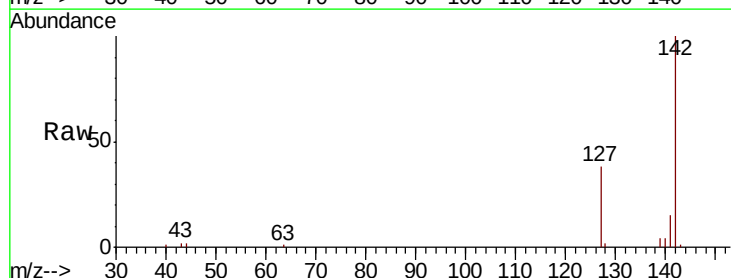
Tgt Ion:142 Resp: 28495

Ion Ratio Lower Upper

142 100

127 37.4 29.8 44.6

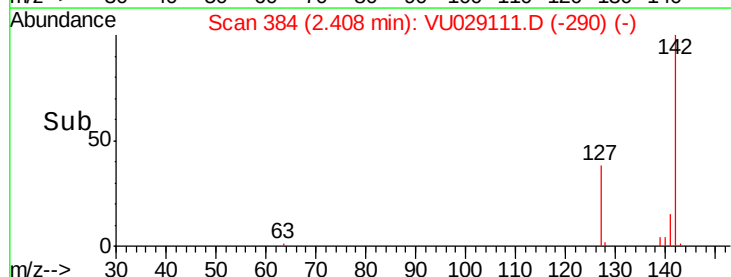
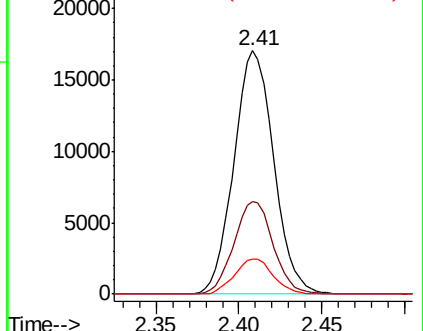
141 14.0 11.5 17.3

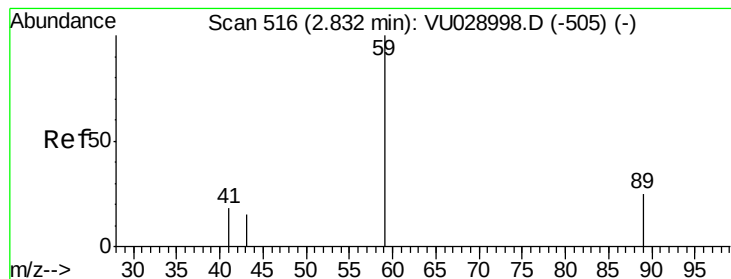


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



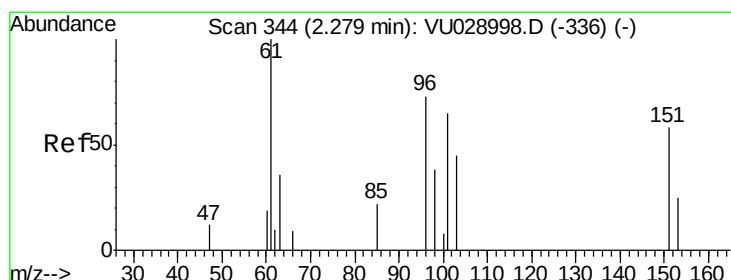
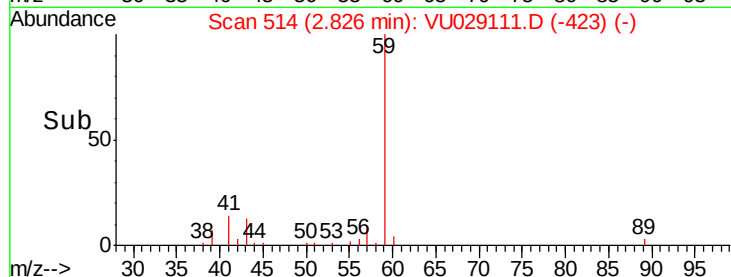
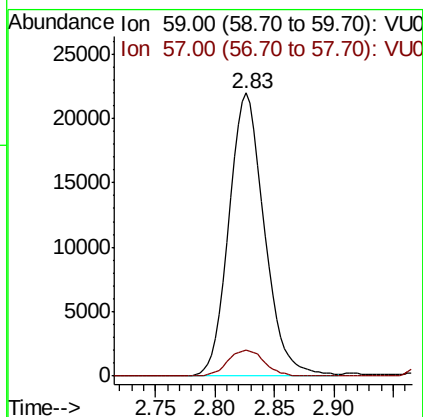
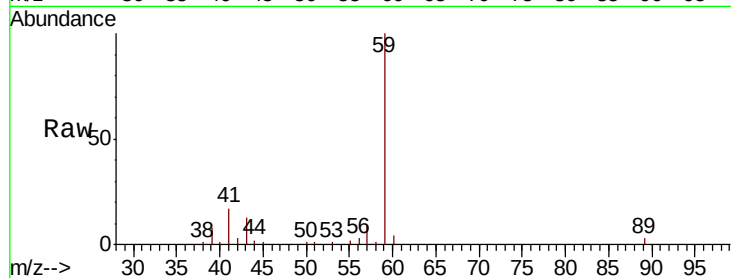


#11

Tert butyl alcohol
 Concen: 107.626 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

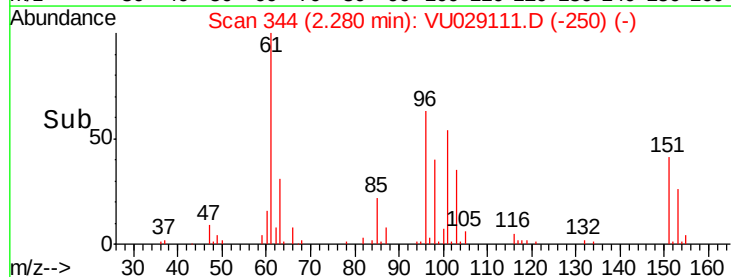
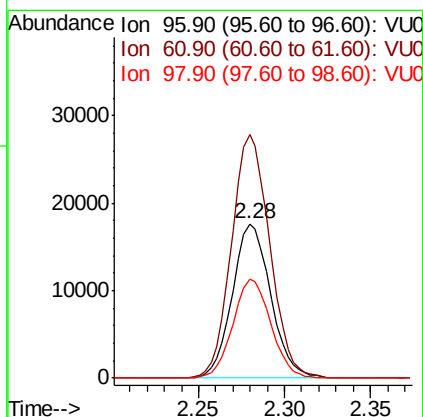
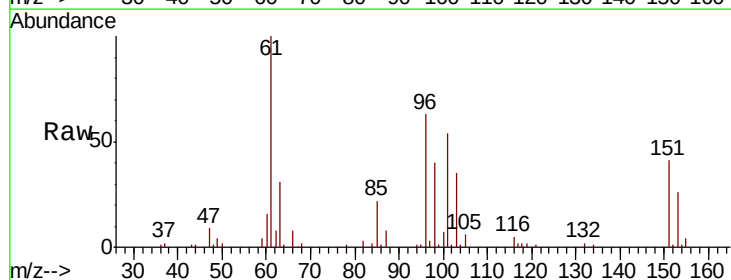
Tgt Ion: 59 Resp: 45427
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.9 11.9

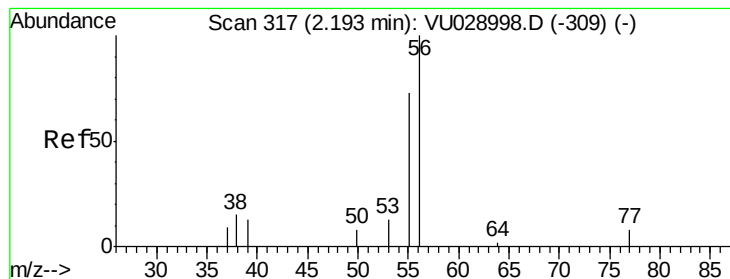


#12

1,1-Dichloroethene
 Concen: 19.648 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 96 Resp: 27373
 Ion Ratio Lower Upper
 96 100
 61 157.8 125.4 188.0
 98 63.9 49.7 74.5





#13

Acrolein

Concen: 86.704 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

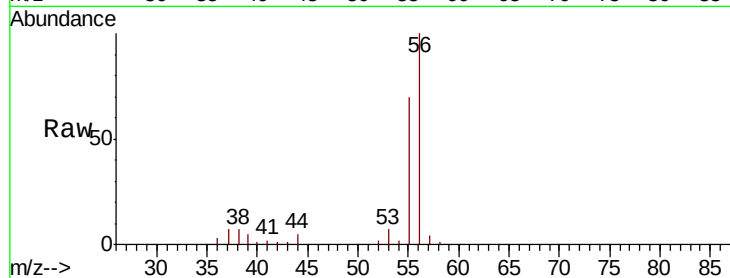
VU0110MBS01

Tgt Ion: 56 Resp: 27480

Ion Ratio Lower Upper

56 100

55 72.8 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

20000

15000

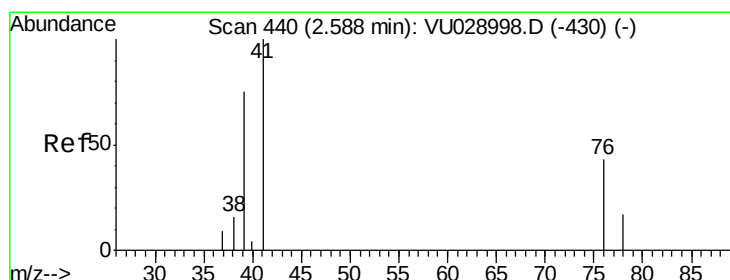
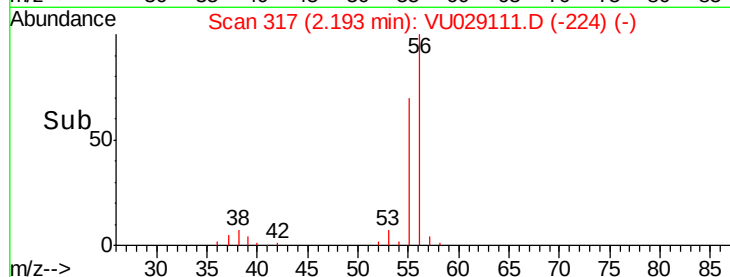
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 17.858 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

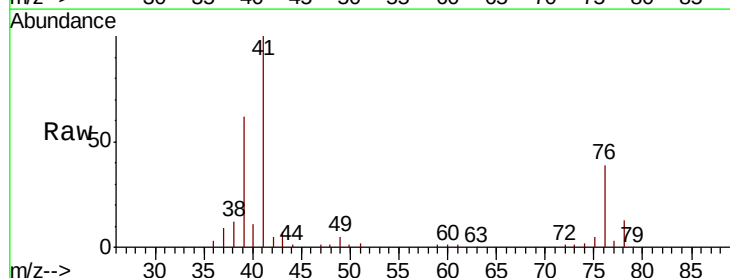
Tgt Ion: 41 Resp: 45649

Ion Ratio Lower Upper

41 100

39 63.1 45.0 67.6

76 39.3 28.1 42.1



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

2.59

30000

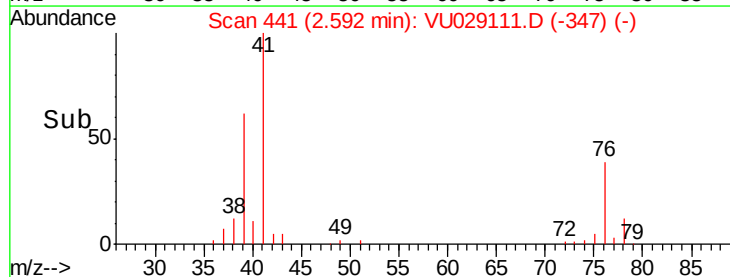
20000

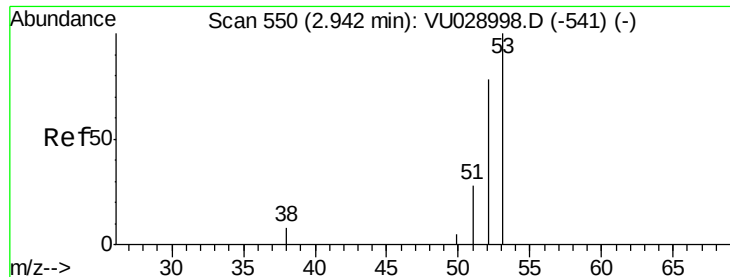
10000

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 104.897 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

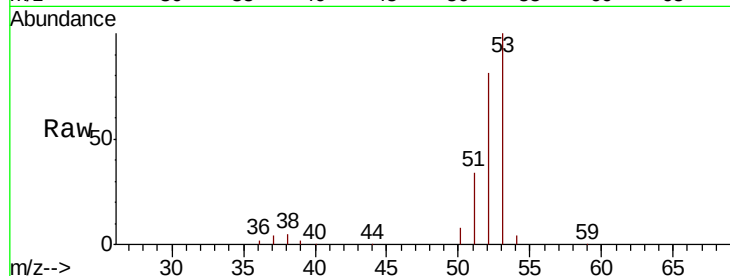
Tgt Ion: 53 Resp: 108622

Ion Ratio Lower Upper

53 100

52 80.6 64.8 97.2

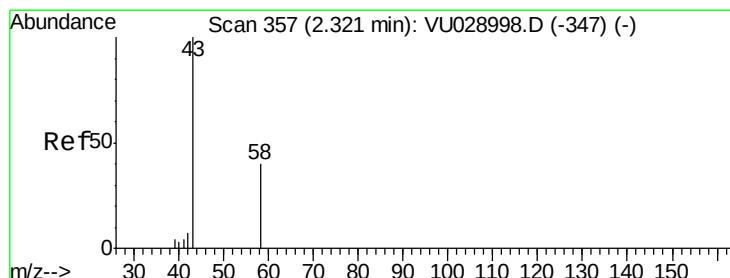
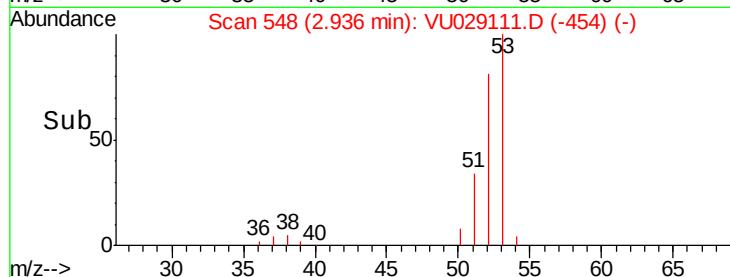
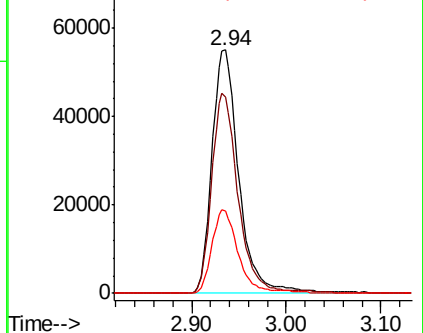
51 34.2 27.3 40.9



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: 87.134 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029111.D

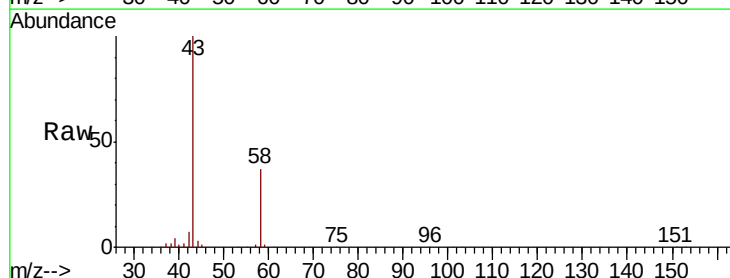
Acq: 10 Jan 2019 12:15

Tgt Ion: 43 Resp: 91148

Ion Ratio Lower Upper

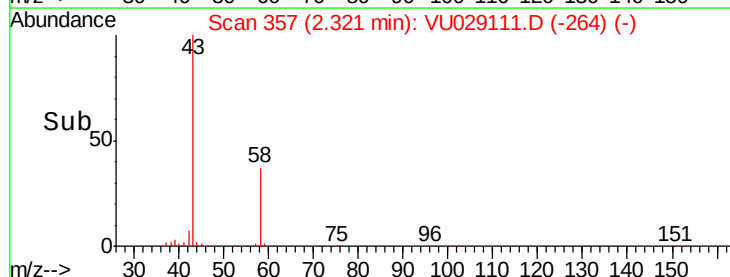
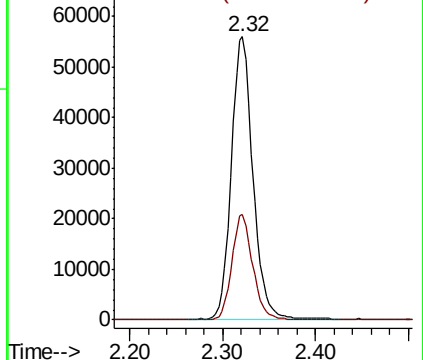
43 100

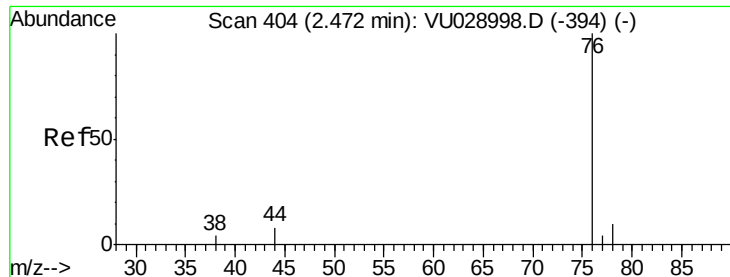
58 37.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.700 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

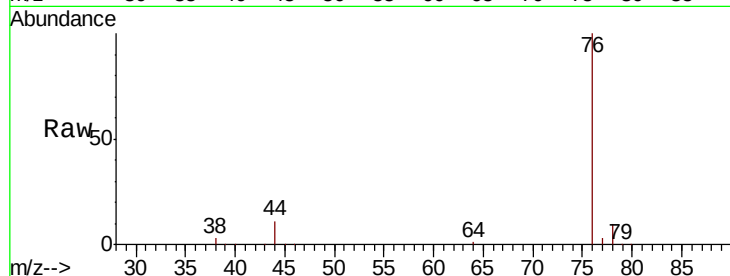
VU0110MBS01

Tgt Ion: 76 Resp: 83316

Ion Ratio Lower Upper

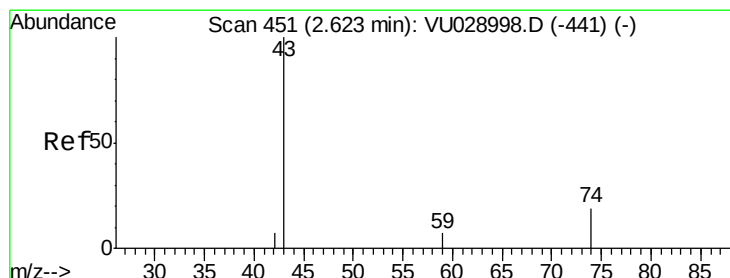
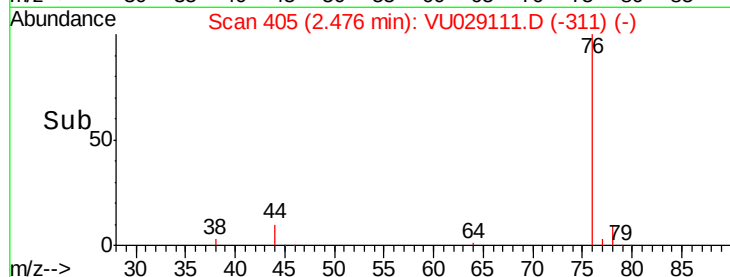
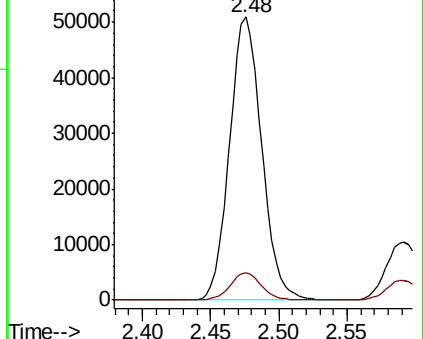
76 100

78 9.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.015 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029111.D

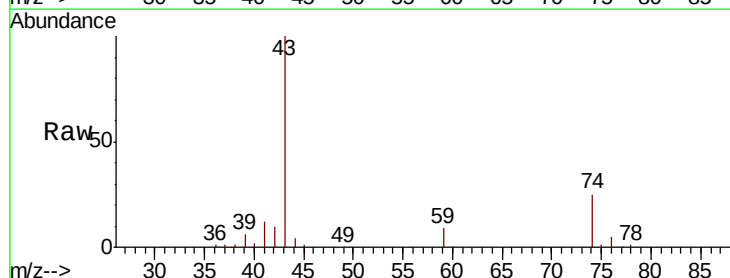
Acq: 10 Jan 2019 12:15

Tgt Ion: 43 Resp: 53547

Ion Ratio Lower Upper

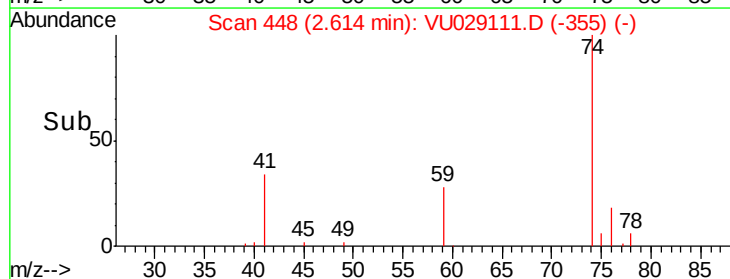
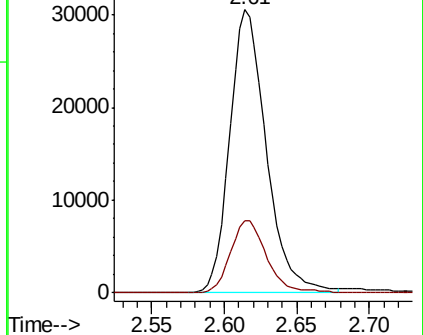
43 100

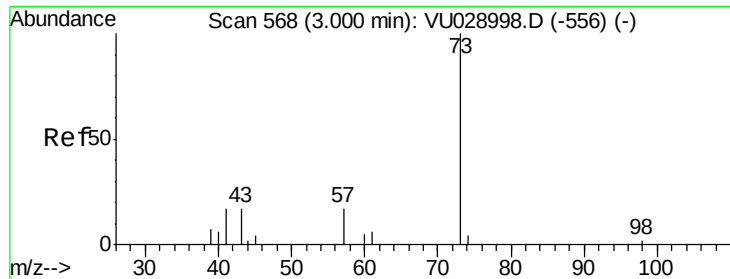
74 25.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



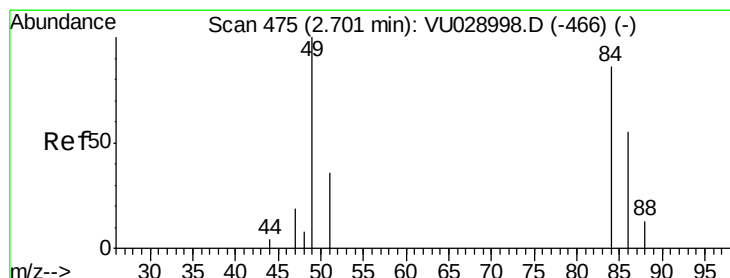
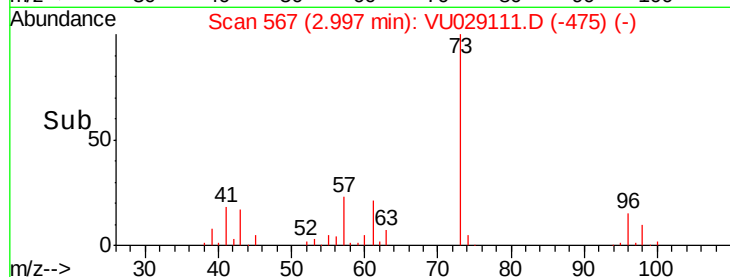
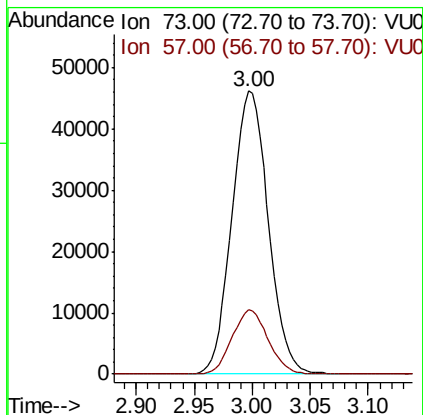
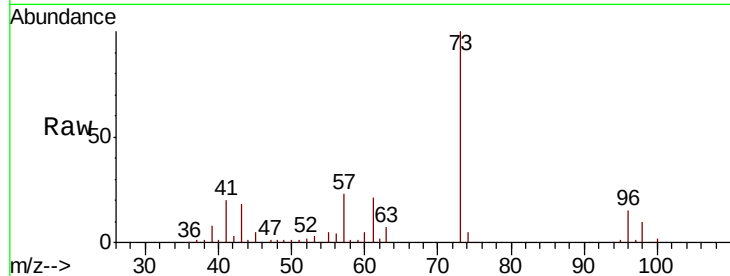


#19

Methyl tert-butyl Ether
 Concen: 20.491 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

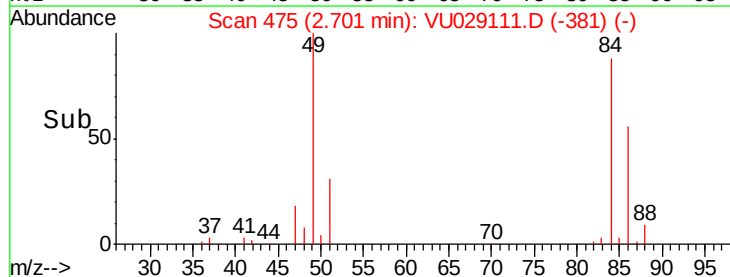
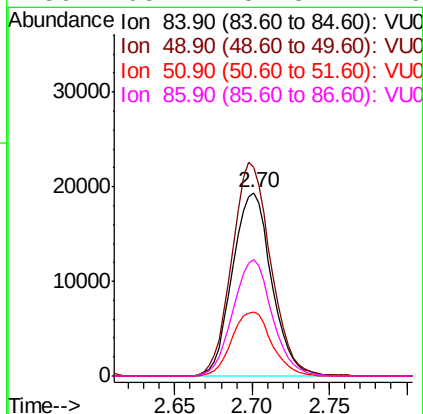
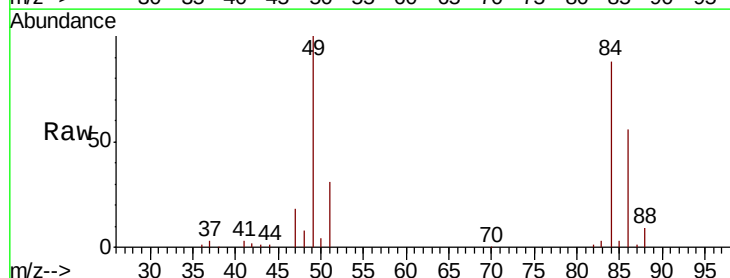
Tgt Ion: 73 Resp: 100362
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.6 28.0

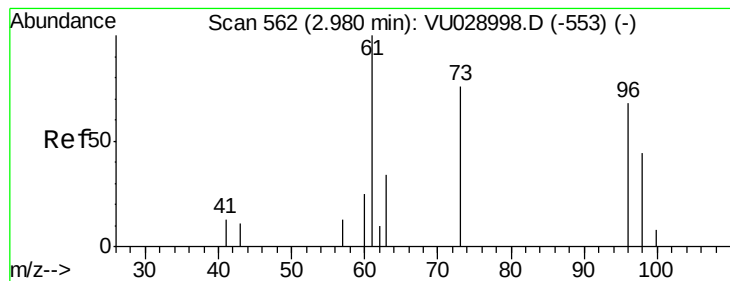


#20

Methylene Chloride
 Concen: 19.177 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 84 Resp: 34060
 Ion Ratio Lower Upper
 84 100
 49 114.1 91.9 137.9
 51 35.0 29.2 43.8
 86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.324 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

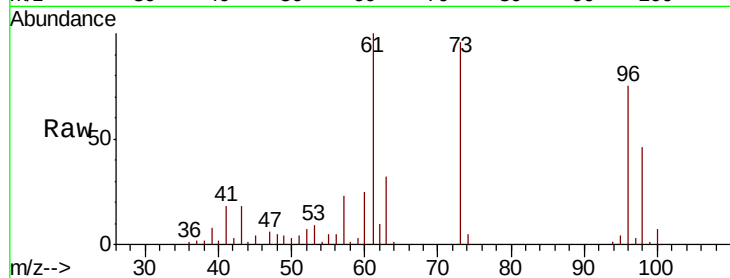
Tgt Ion: 96 Resp: 31277

Ion Ratio Lower Upper

96 100

61 133.6 107.7 161.5

98 60.8 49.2 73.8

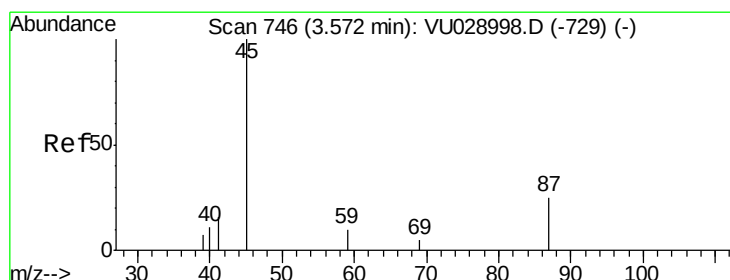
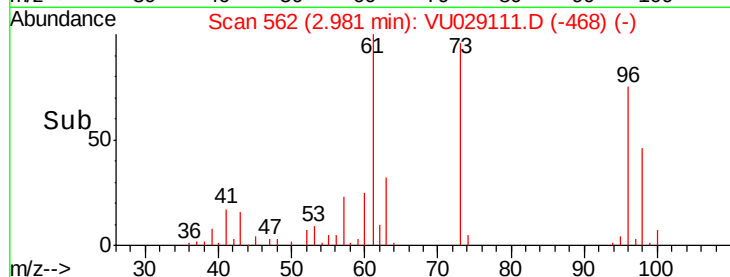
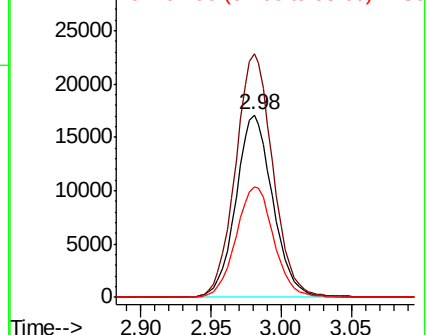


Abundance

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: 20.473 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Tgt Ion: 45 Resp: 103429

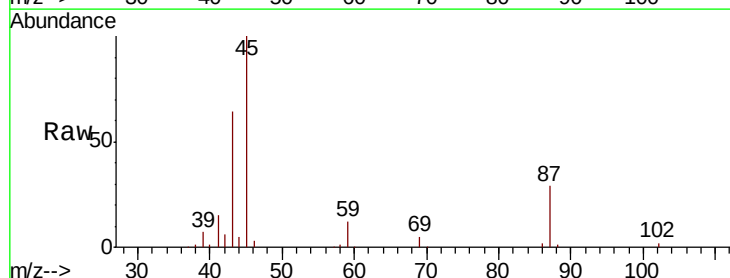
Ion Ratio Lower Upper

45 100

43 62.3 44.7 67.1

87 29.3 22.2 33.2

59 12.0 9.8 14.8



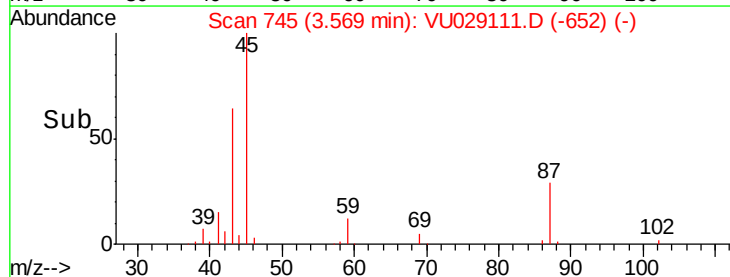
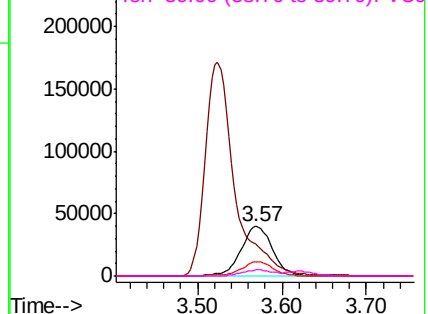
Abundance

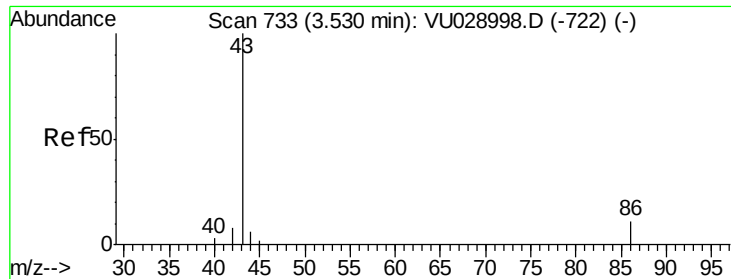
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.931 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

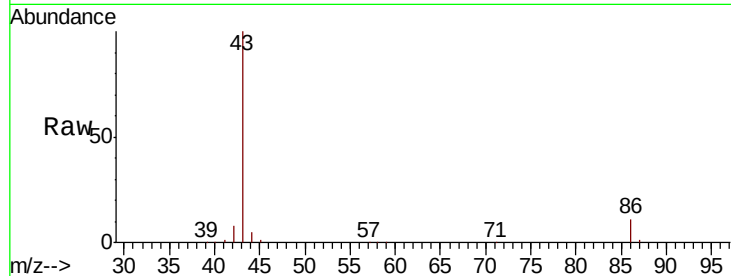
VU0110MBS01

Tgt Ion: 43 Resp: 420981

Ion Ratio Lower Upper

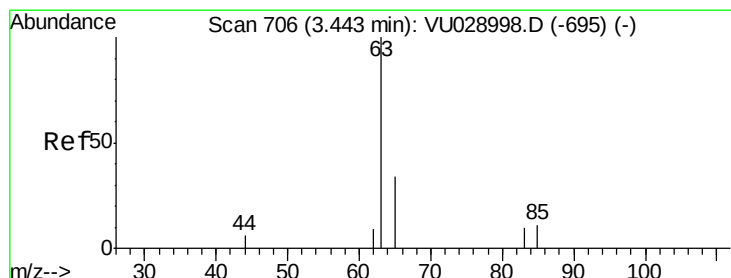
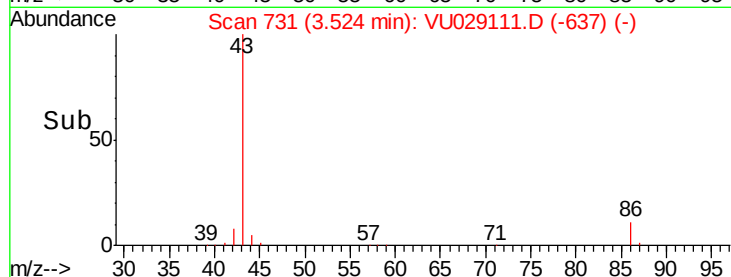
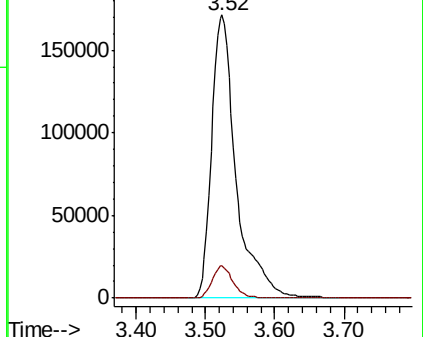
43 100

86 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.675 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

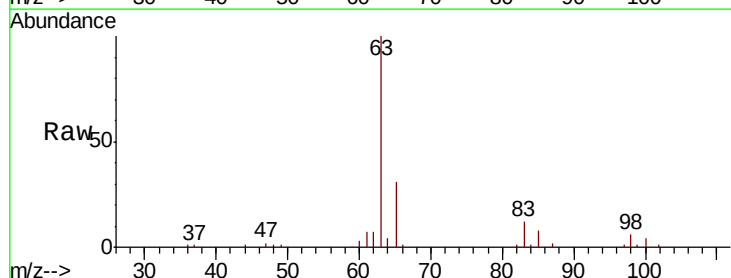
Tgt Ion: 63 Resp: 60296

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

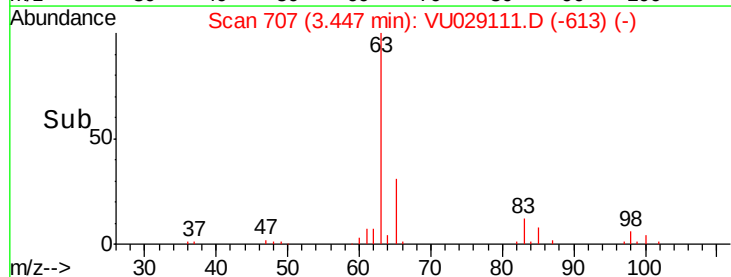
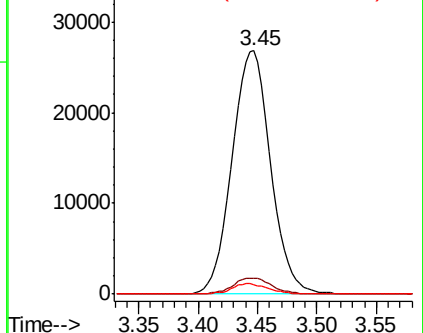
100 3.9 2.0 5.8

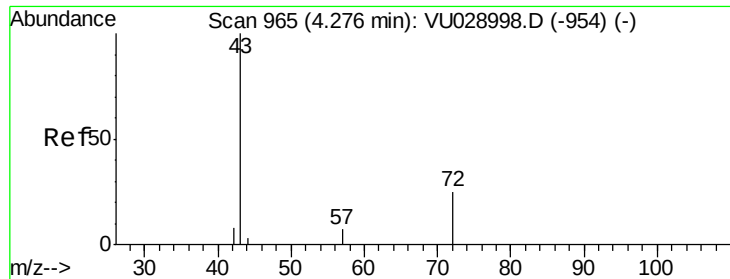


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 102.353 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

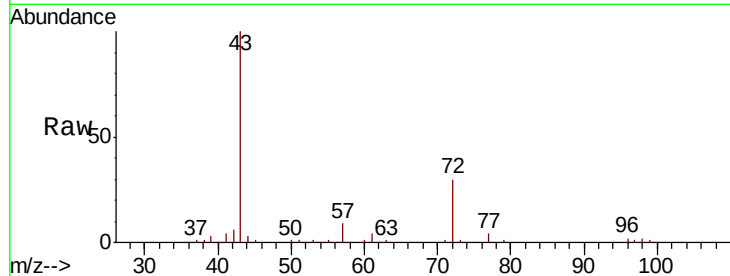
VU0110MBS01

Tgt Ion: 43 Resp: 144612

Ion Ratio Lower Upper

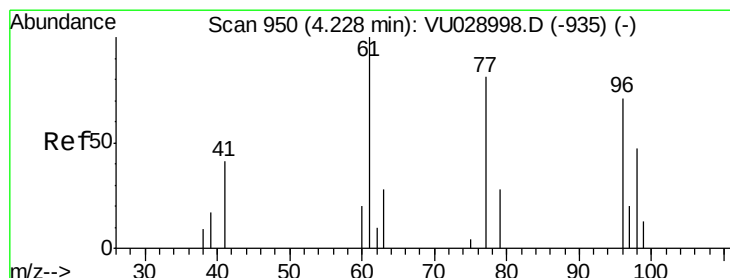
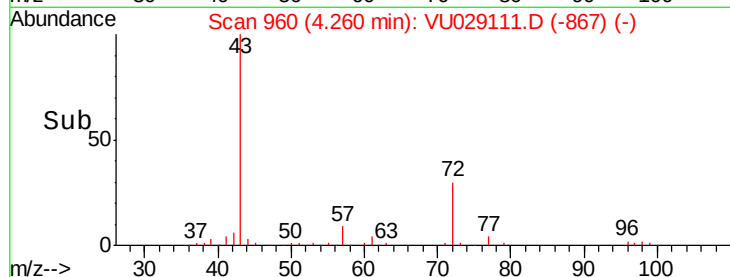
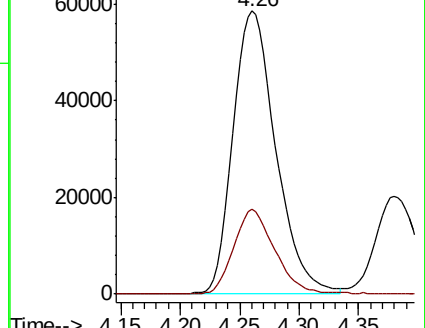
43 100

72 30.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 19.930 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029111.D

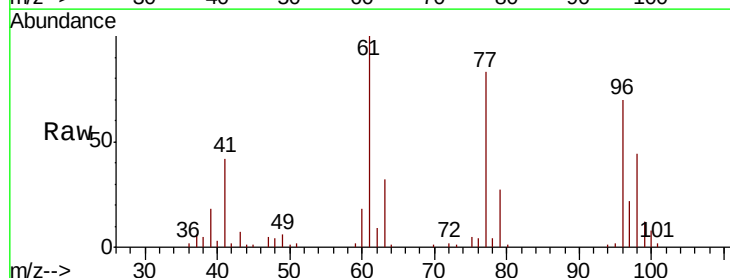
Acq: 10 Jan 2019 12:15

Tgt Ion: 77 Resp: 46965

Ion Ratio Lower Upper

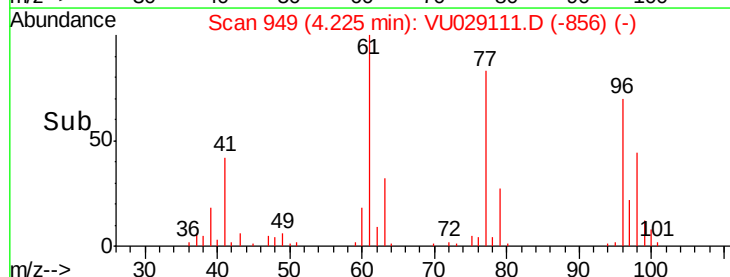
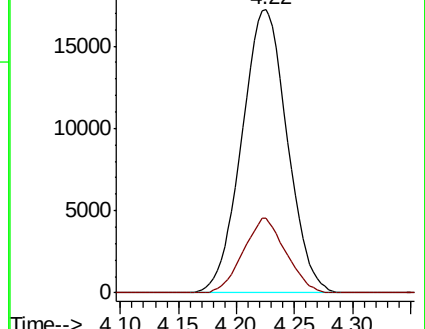
77 100

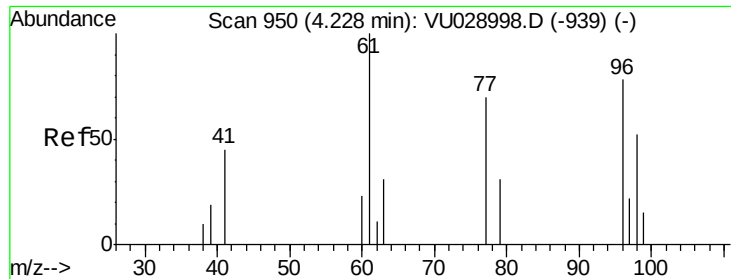
97 24.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)

Ion 96.90 (96.60 to 97.60): VU028998.D (-935) (-)



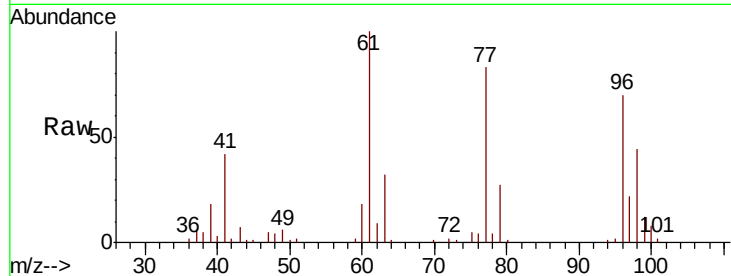


#27

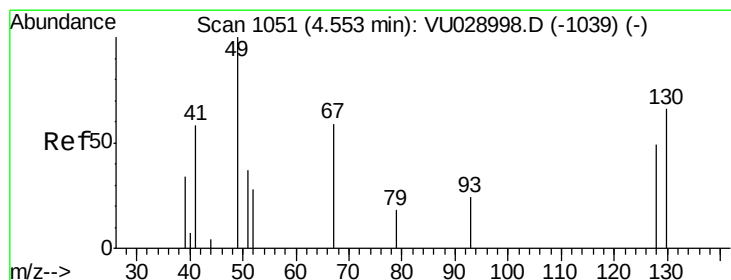
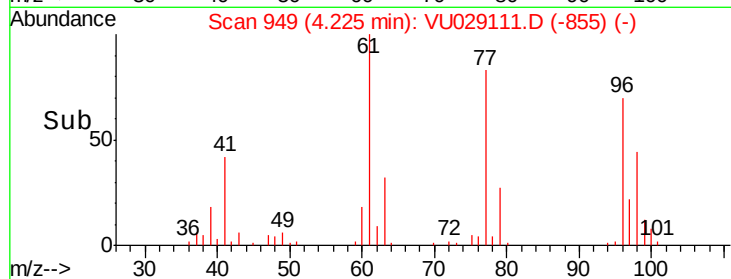
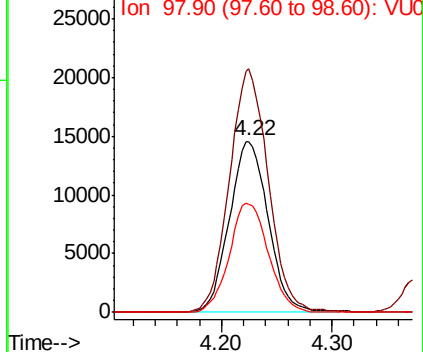
cis-1,2-Dichloroethene
Concen: 20.033 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
VU0110MBS01

Tgt Ion: 96 Resp: 35465
Ion Ratio Lower Upper
96 100
61 141.7 0.0 285.6
98 64.0 0.0 130.2



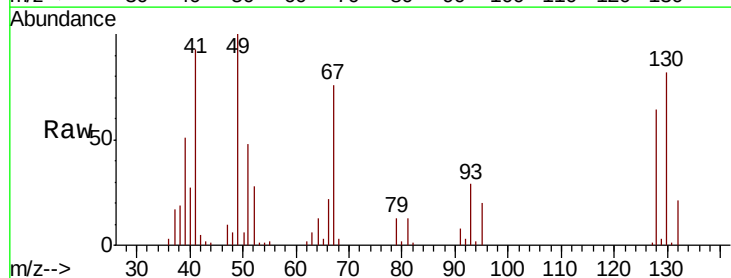
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



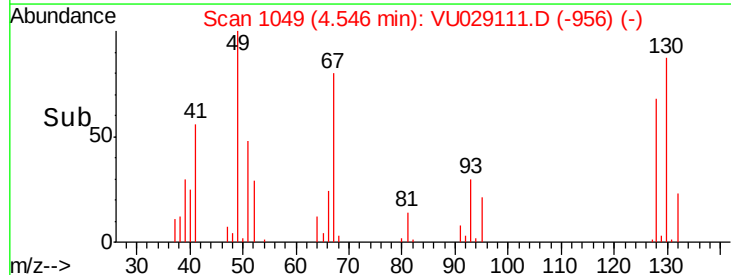
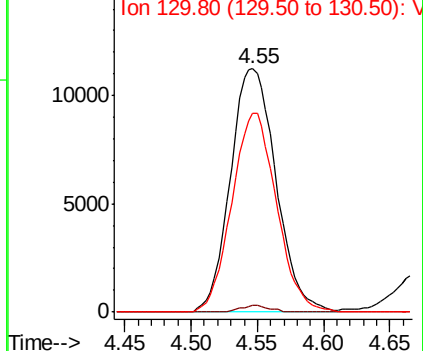
#28

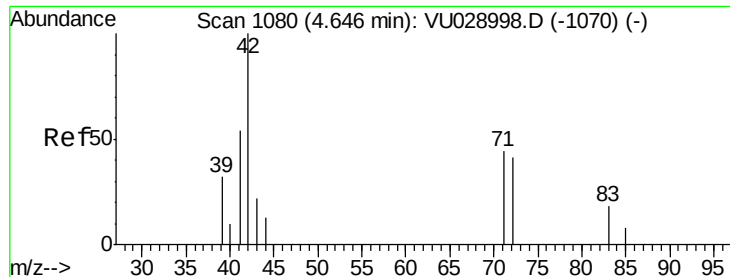
Bromochloromethane
Concen: 21.552 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 49 Resp: 26914
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 79.9 62.9 94.3



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: 108.776 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

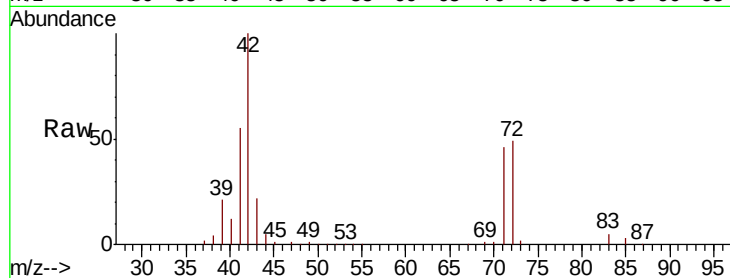
Tgt Ion: 42 Resp: 93213

Ion Ratio Lower Upper

42 100

72 48.7 38.3 57.5

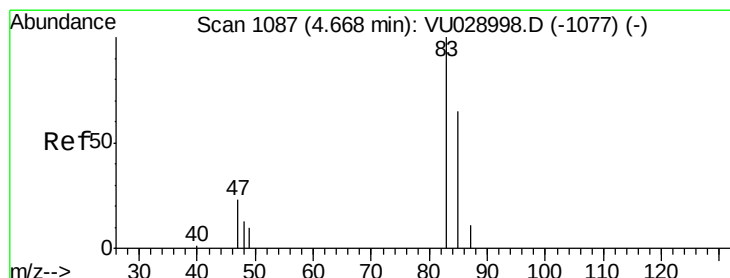
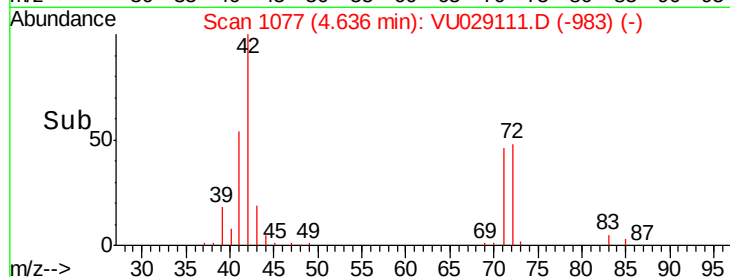
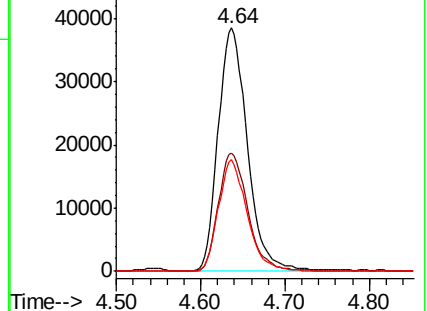
71 44.8 36.1 54.1



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.646 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029111.D

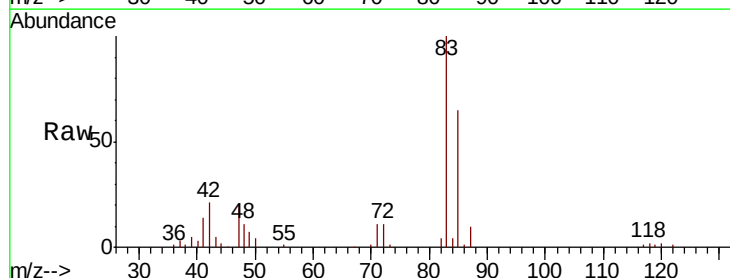
Acq: 10 Jan 2019 12:15

Tgt Ion: 83 Resp: 57349

Ion Ratio Lower Upper

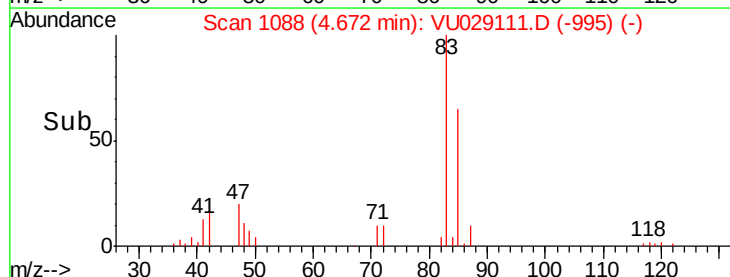
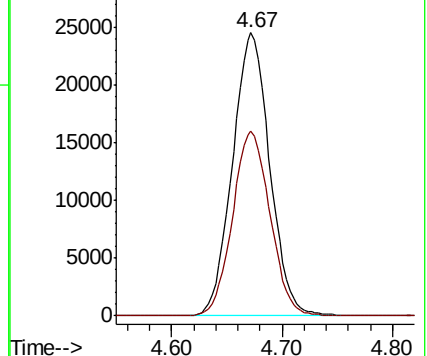
83 100

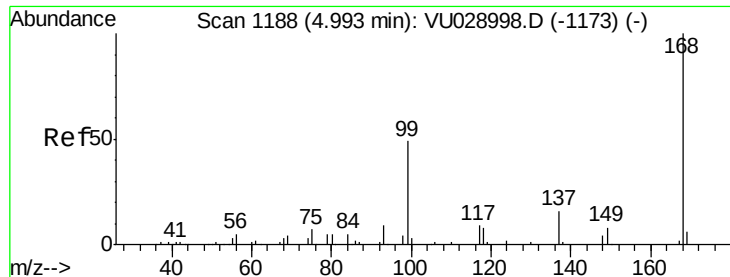
85 65.2 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

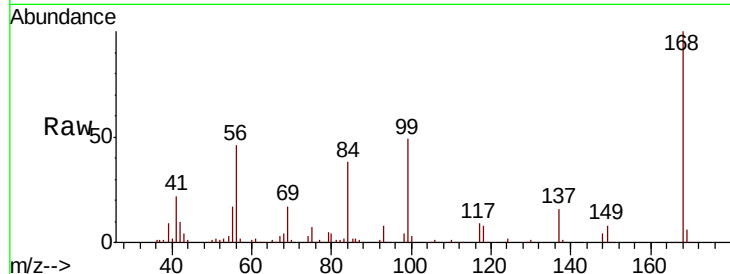




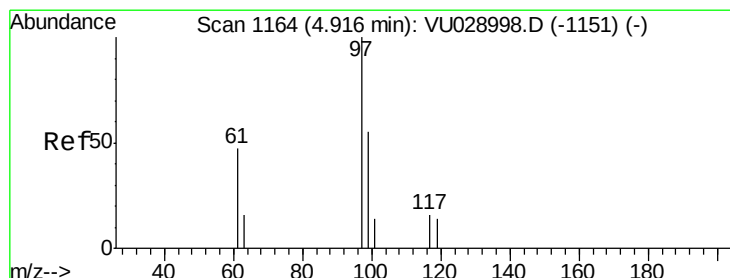
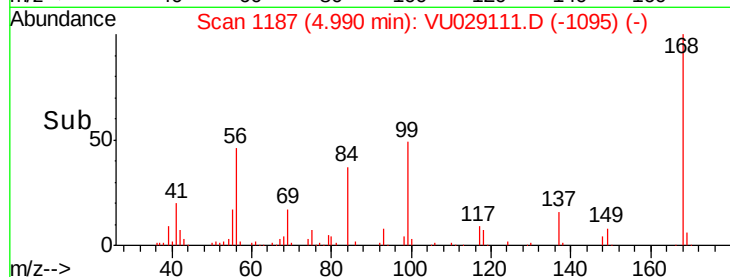
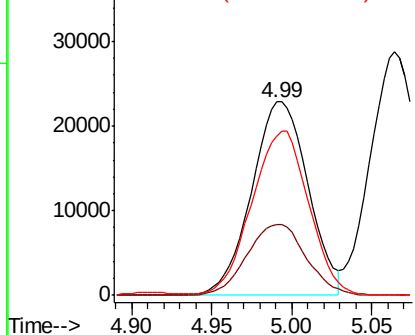
#31
Cyclohexane
Concen: 19.628 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 56 Resp: 55913
Ion Ratio Lower Upper
56 100
69 36.9 26.7 40.1
84 81.7 65.7 98.5

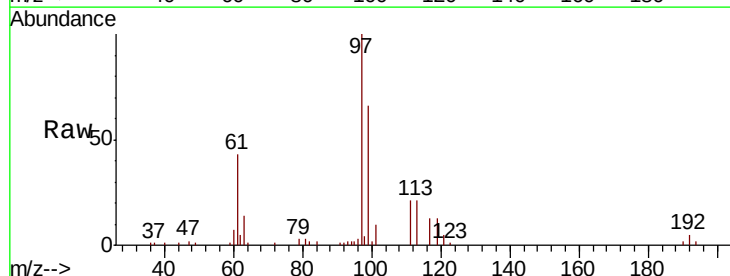


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

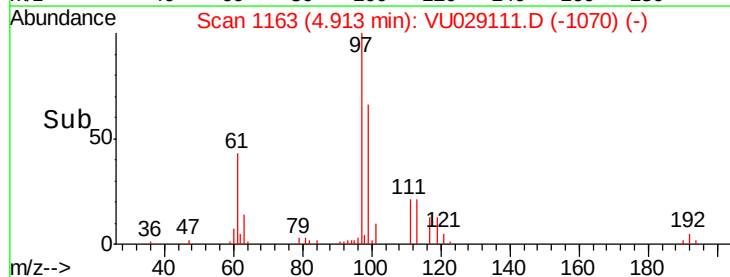
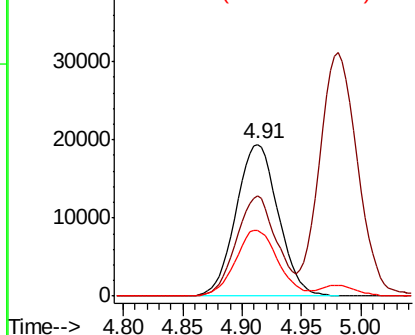


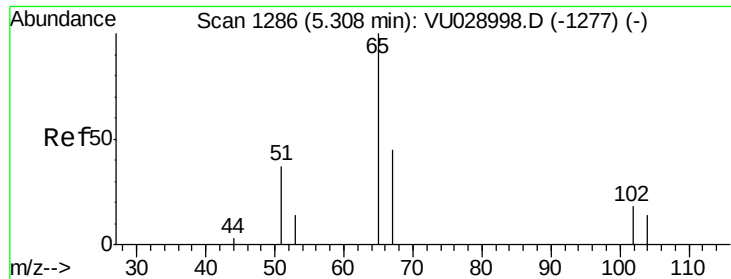
#32
1,1,1-Trichloroethane
Concen: 20.809 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 97 Resp: 47762
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.4
61 43.3 34.4 51.6



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

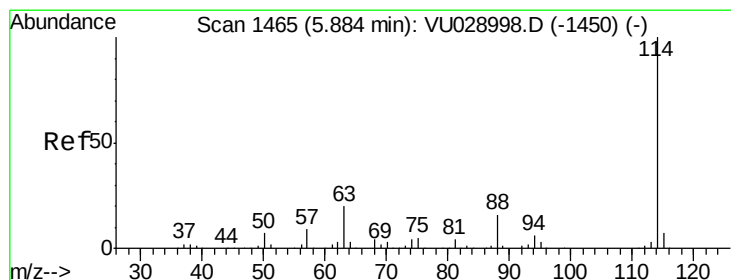
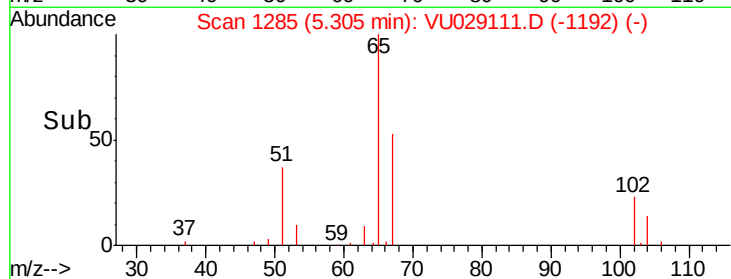
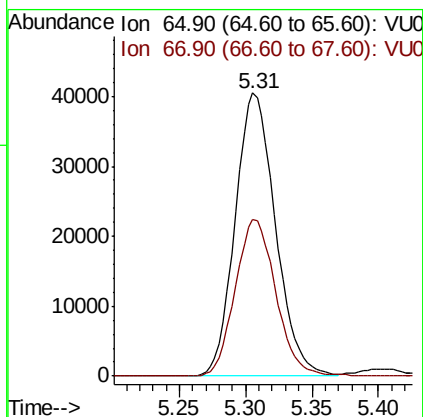
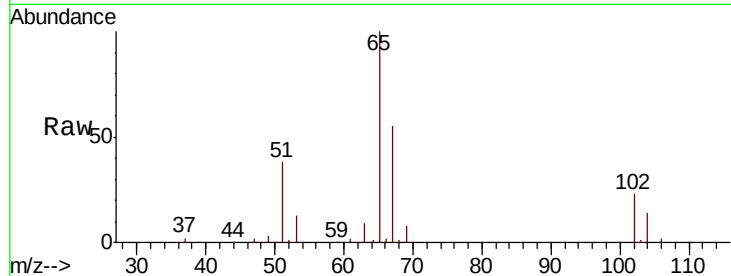




#33
 1,2-Dichloroethane-d4
 Concen: 51.658 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

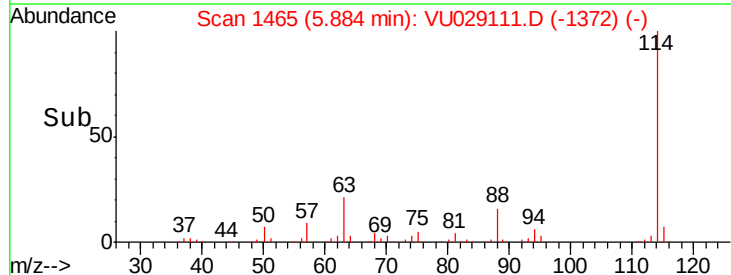
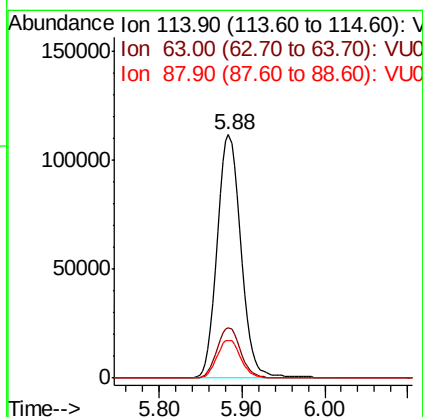
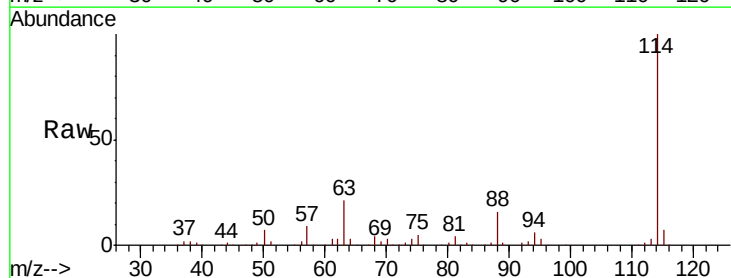
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

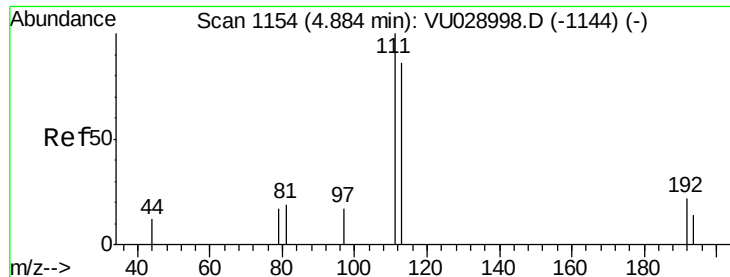
Tgt Ion: 65 Resp: 85780
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 114 Resp: 222918
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

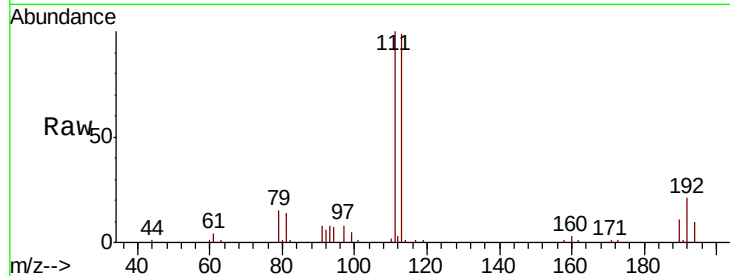
Tgt Ion:113 Resp: 72206

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

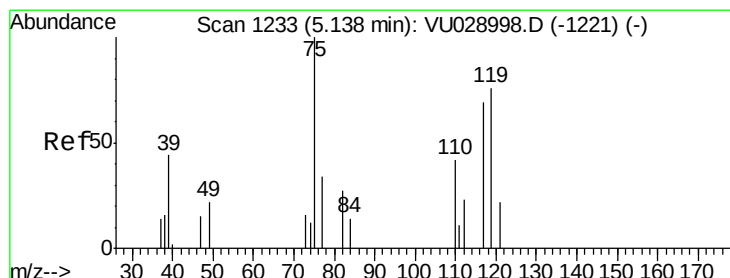
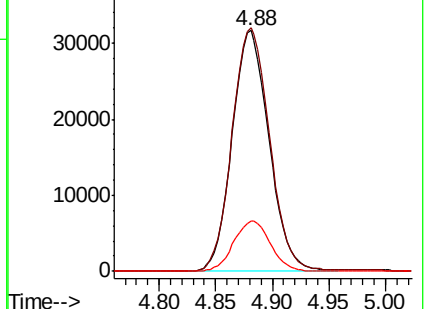
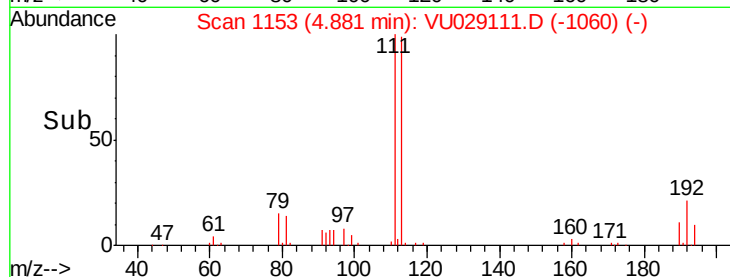
192 20.9 16.8 25.2



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: 19.351 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

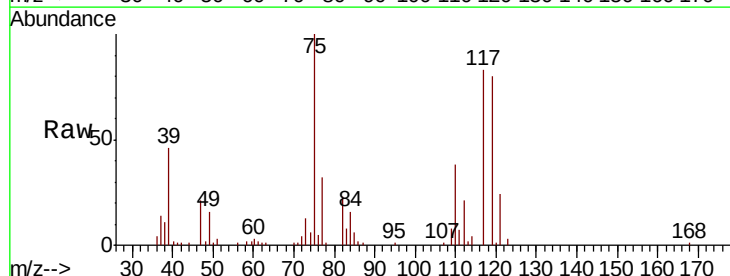
Tgt Ion: 75 Resp: 43118

Ion Ratio Lower Upper

75 100

110 35.6 18.4 55.4

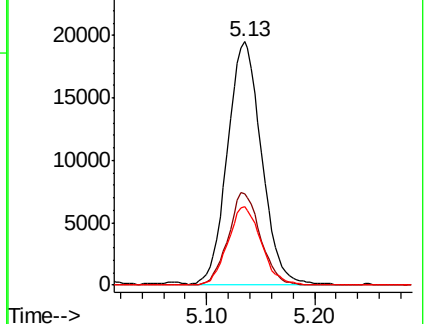
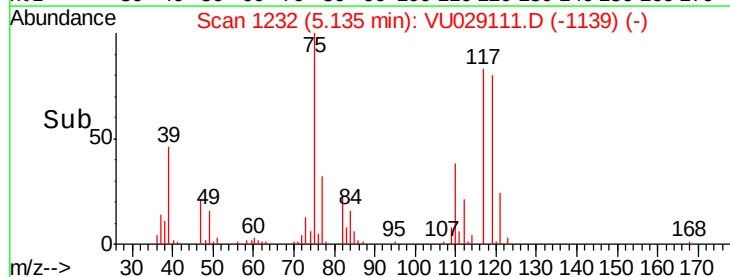
77 31.4 25.1 37.7

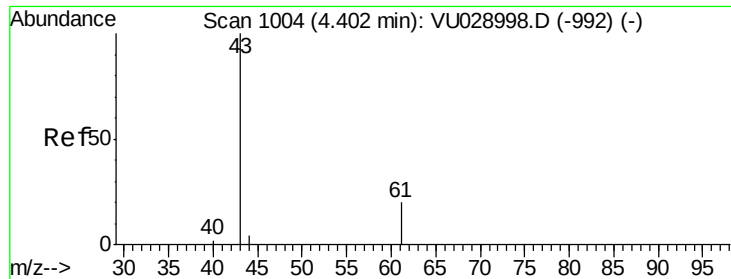


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

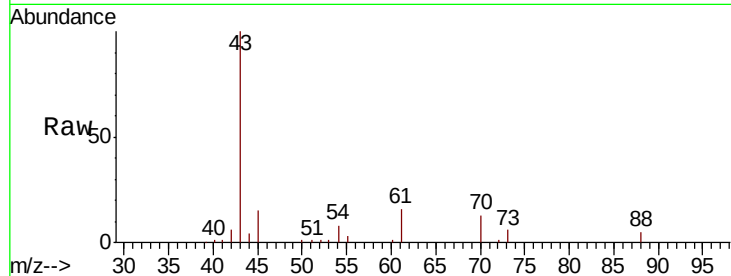




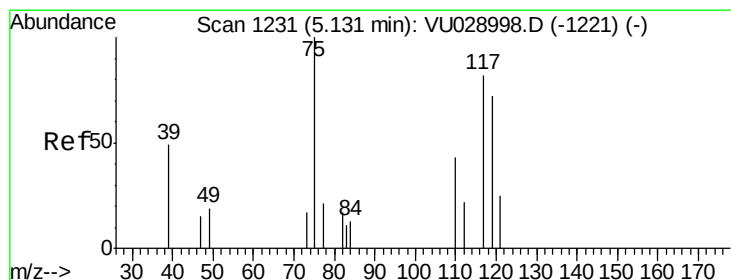
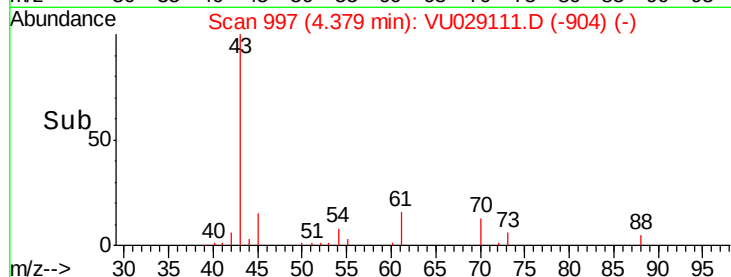
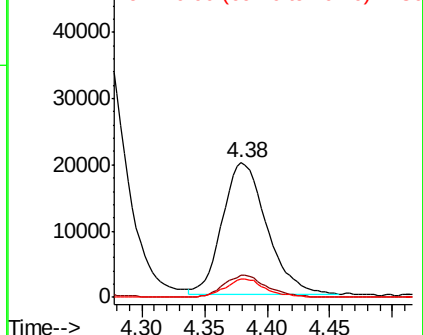
#37
Ethyl Acetate
Concen: 20.046 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 43 Resp: 49029
Ion Ratio Lower Upper
43 100
61 16.1 12.6 18.8
70 12.6 9.3 13.9

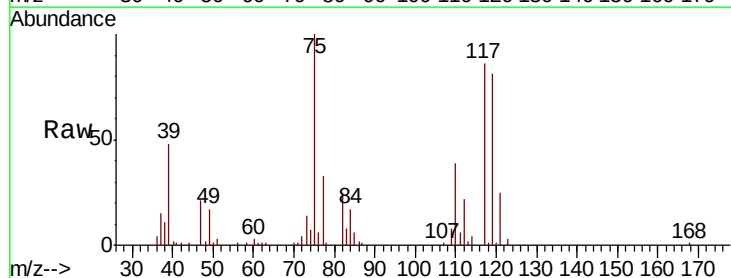


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

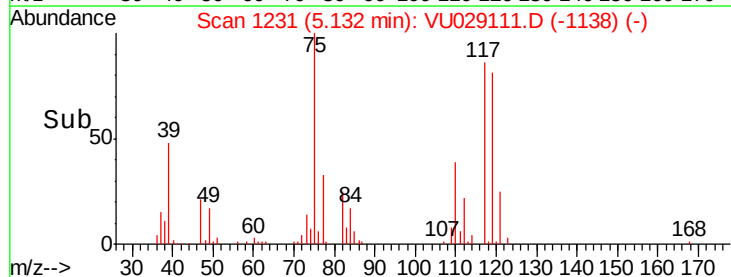
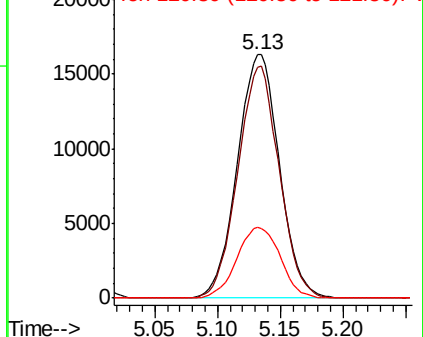


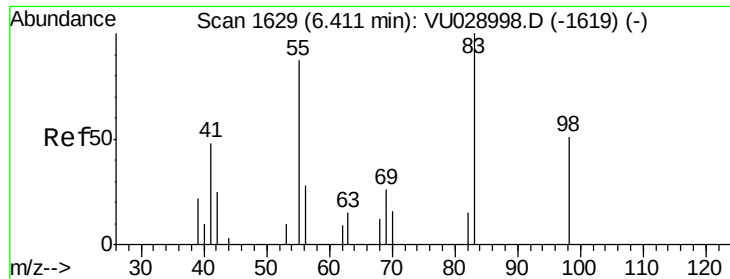
#38
Carbon Tetrachloride
Concen: 20.430 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 117 Resp: 37968
Ion Ratio Lower Upper
117 100
119 95.0 74.6 111.8
121 29.1 25.0 37.6



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

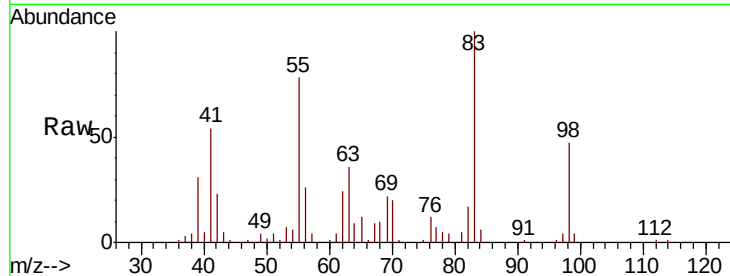




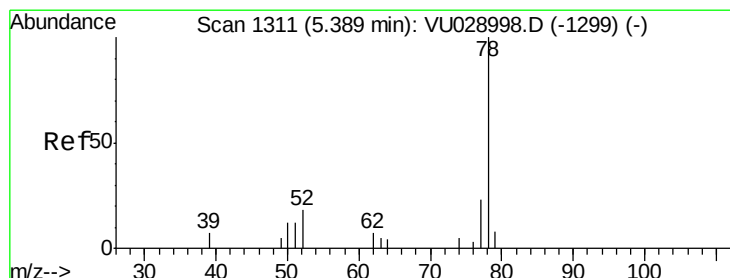
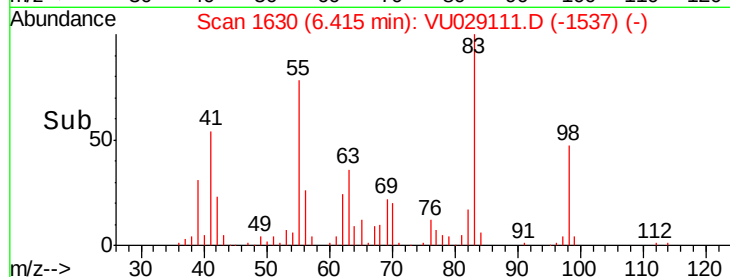
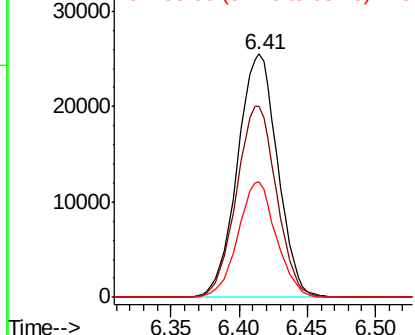
#39
Methylcyclohexane
Concen: 19.012 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 83 Resp: 52078
Ion Ratio Lower Upper
83 100
55 78.3 62.4 93.6
98 47.4 36.2 54.2

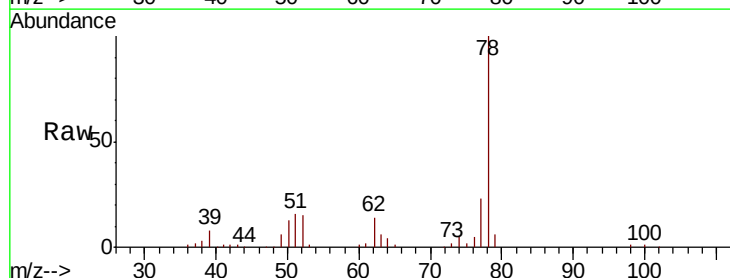


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

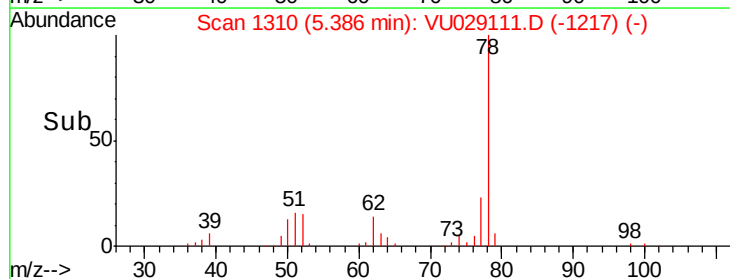
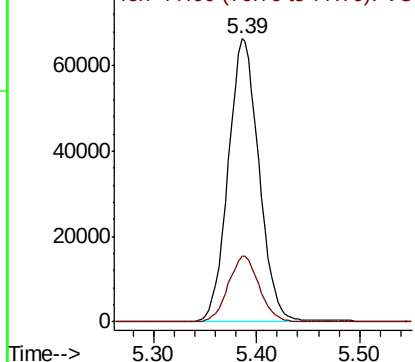


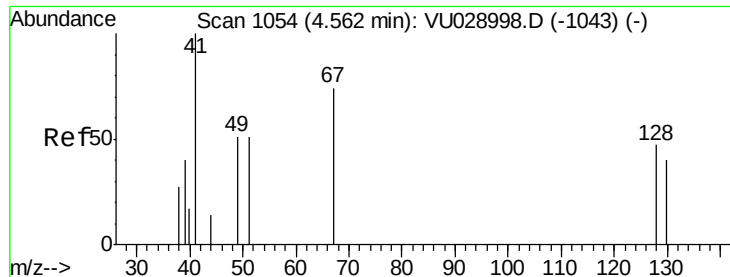
#40
Benzene
Concen: 19.891 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 78 Resp: 138247
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3



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

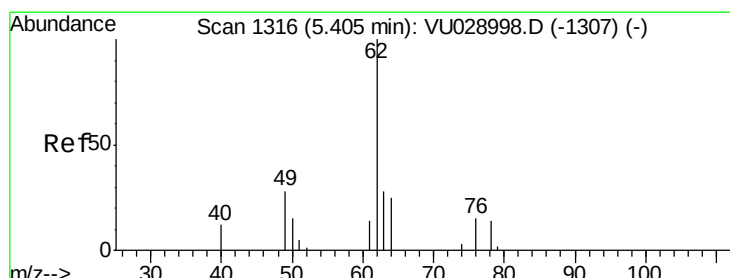
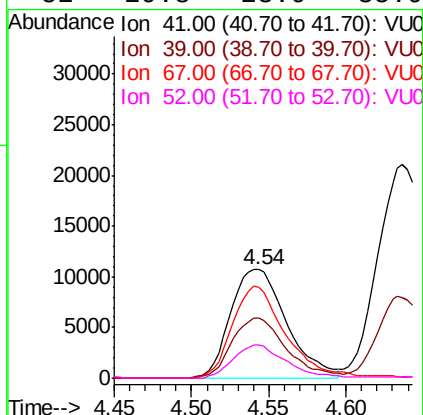
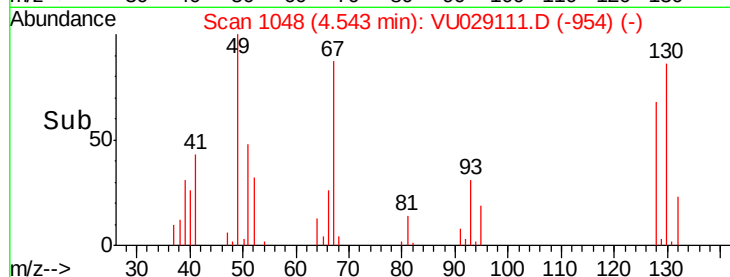
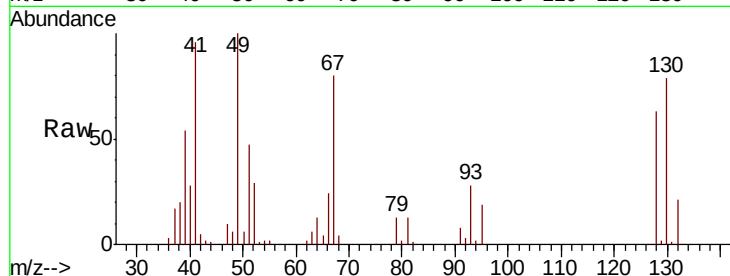




#41
Methacrylonitrile
Concen: 20.597 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

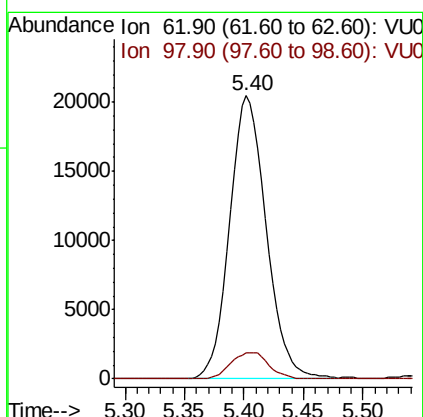
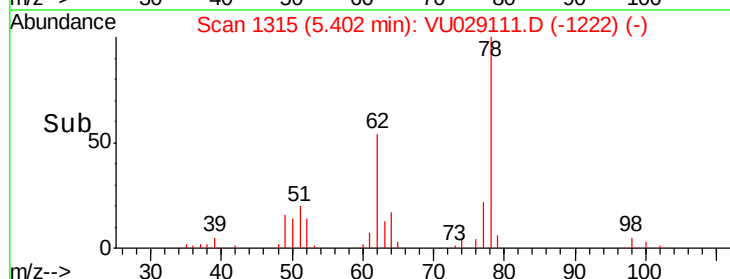
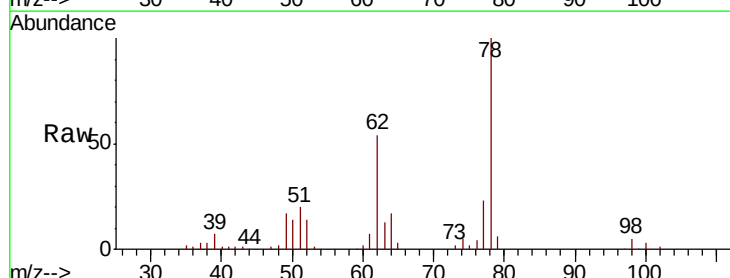
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

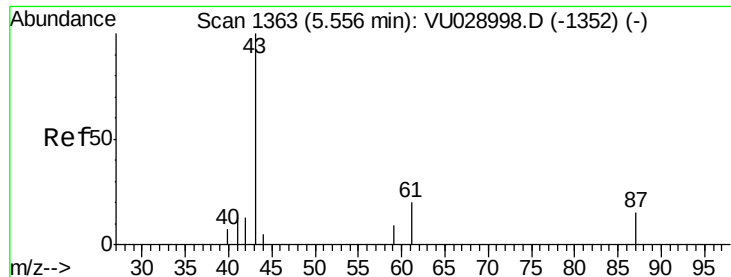
Tgt Ion:	41	Resp:	26965
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.3	63.5
67	80.7	64.4	96.6
52	29.8	23.9	35.9



#42
1,2-Dichloroethane
Concen: 20.900 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:	62	Resp:	43650
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.488 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

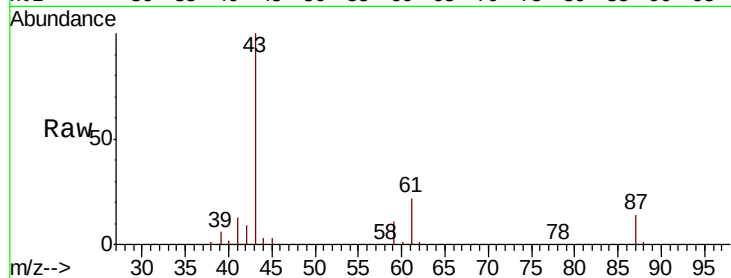
Tgt Ion: 43 Resp: 80618

Ion Ratio Lower Upper

43 100

61 21.3 17.8 26.6

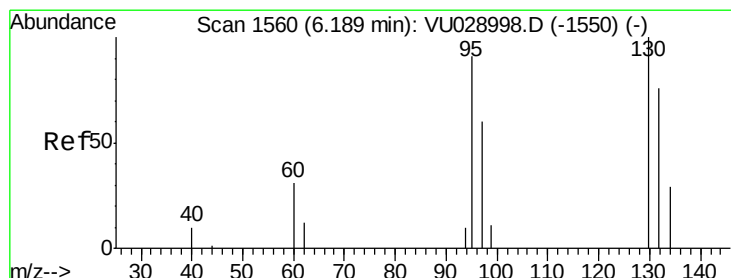
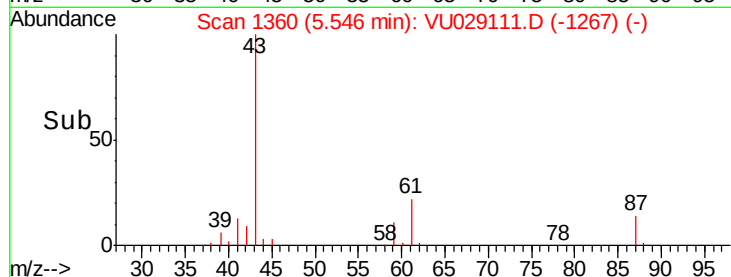
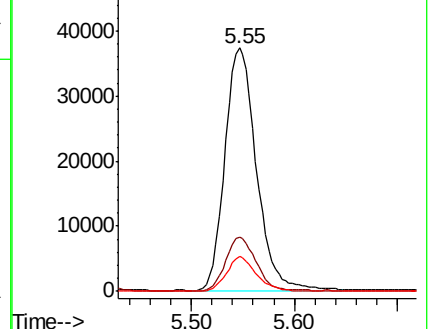
87 13.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 19.071 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029111.D

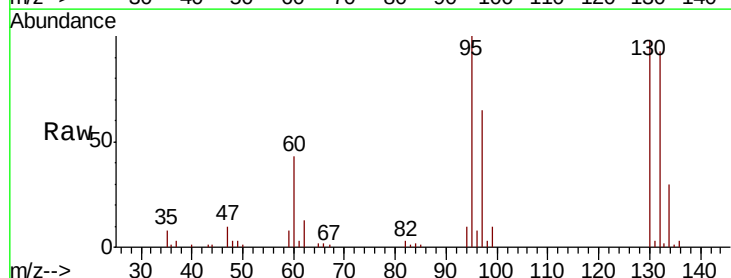
Acq: 10 Jan 2019 12:15

Tgt Ion: 130 Resp: 32841

Ion Ratio Lower Upper

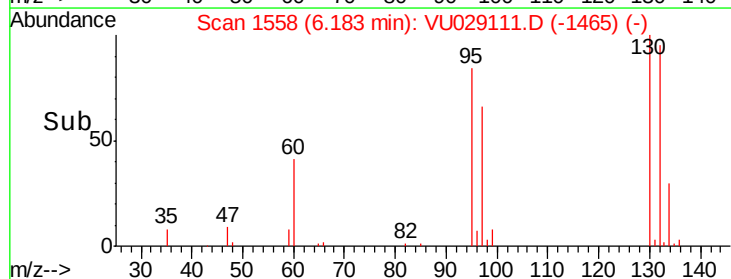
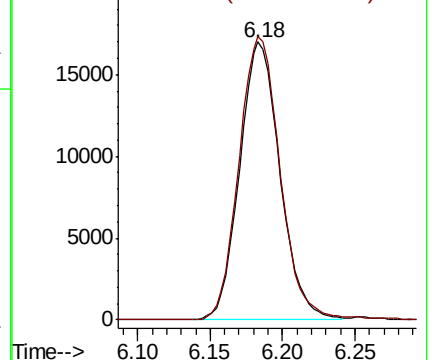
130 100

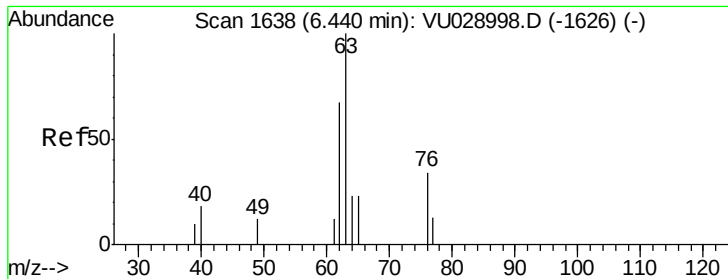
95 101.7 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)





#45

1,2-Dichloropropane

Concen: 20.479 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

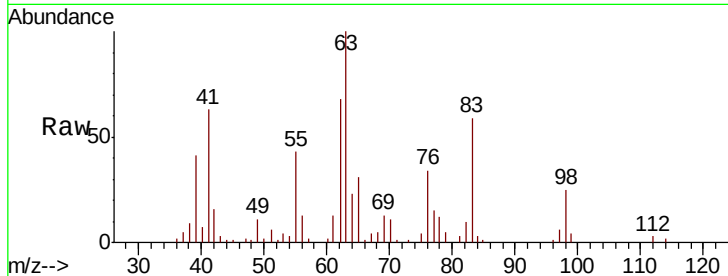
VU0110MBS01

Tgt Ion: 63 Resp: 37587

Ion Ratio Lower Upper

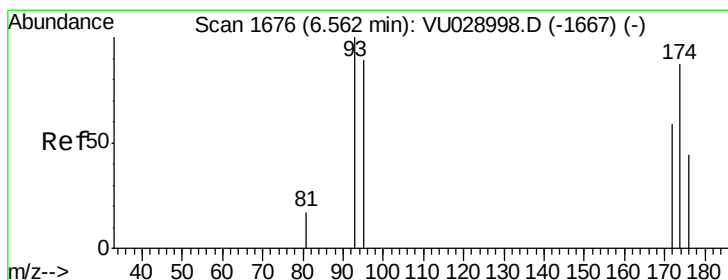
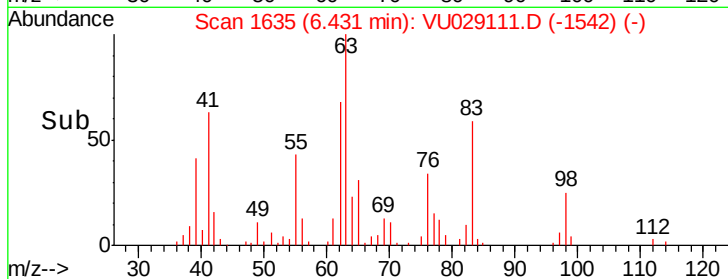
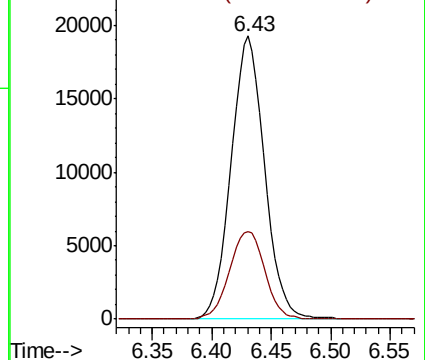
63 100

65 31.0 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 19.930 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

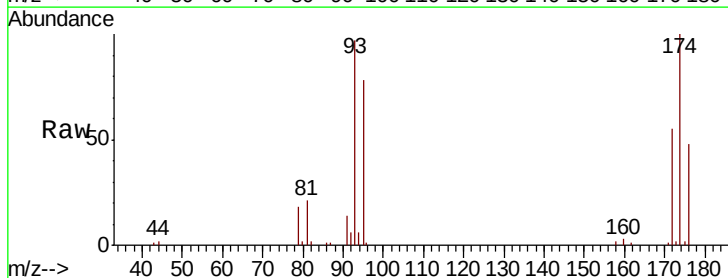
Tgt Ion: 93 Resp: 23384

Ion Ratio Lower Upper

93 100

95 84.6 67.2 100.8

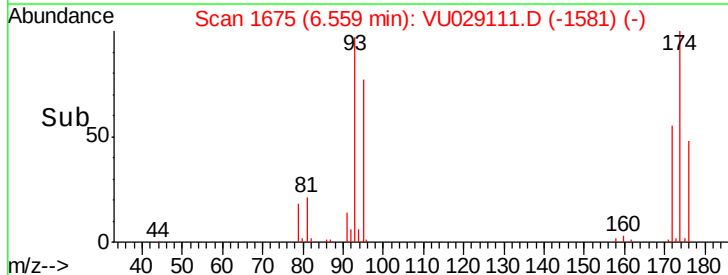
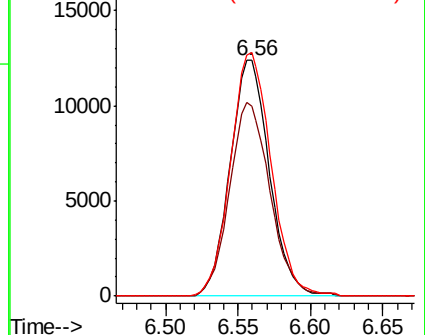
174 106.4 82.6 123.8

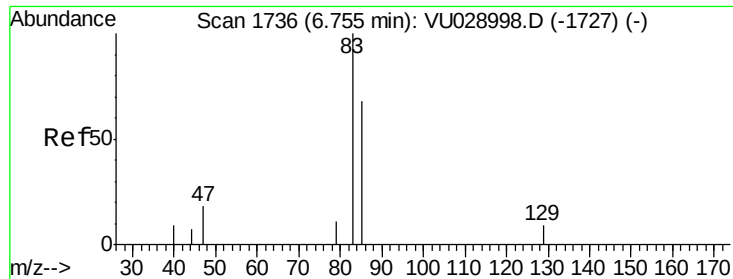


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.154 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

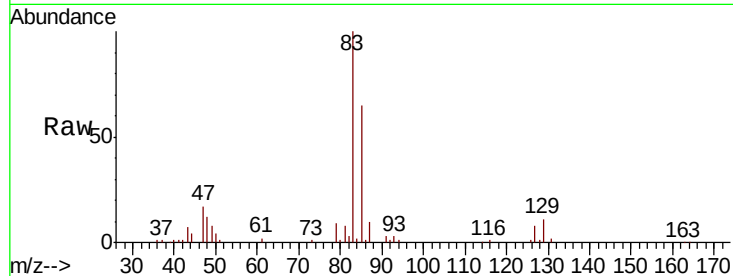
Tgt Ion: 83 Resp: 43539

Ion Ratio Lower Upper

83 100

85 65.5 51.4 77.2

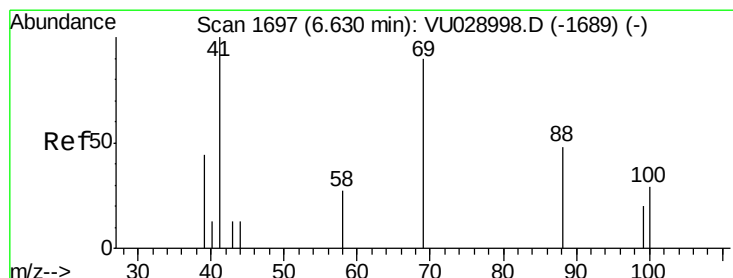
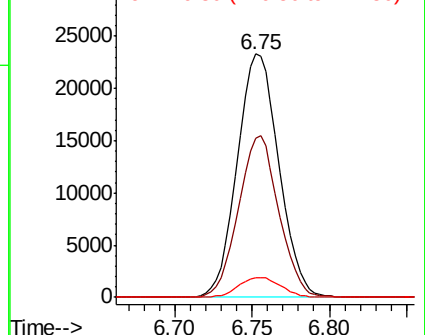
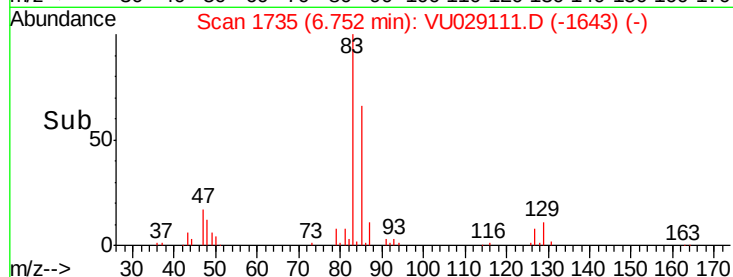
127 8.2 7.0 10.4



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): VU0



#48

Methyl methacrylate

Concen: 21.250 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

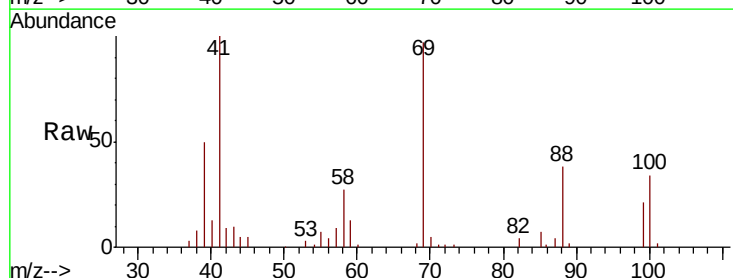
Tgt Ion: 41 Resp: 38821

Ion Ratio Lower Upper

41 100

69 93.2 73.6 110.4

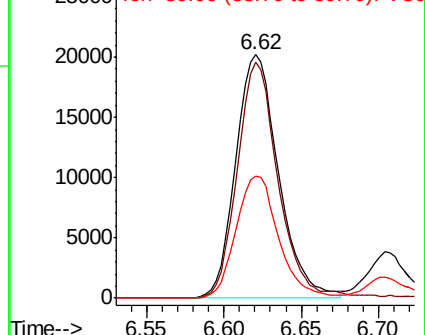
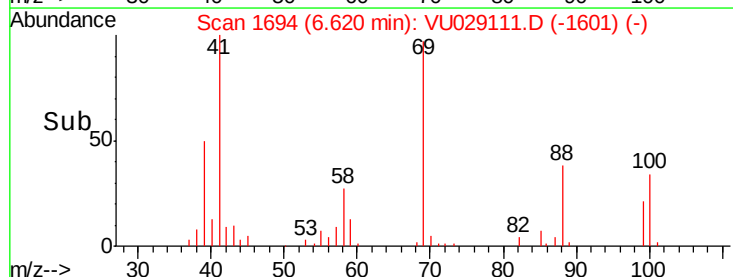
39 49.7 39.6 59.4

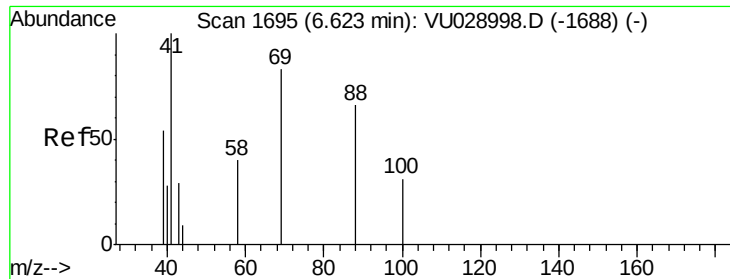


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

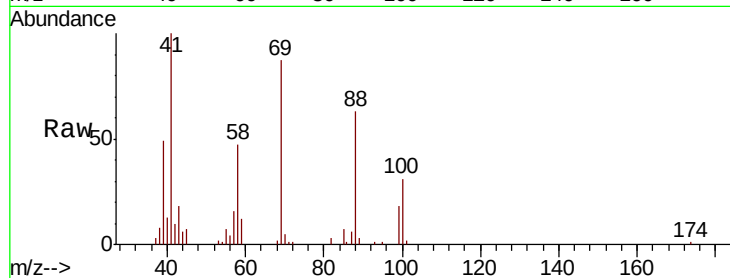




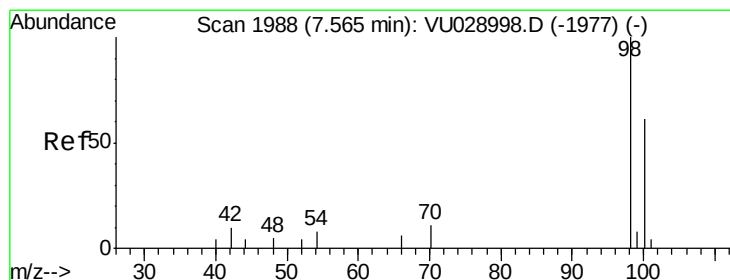
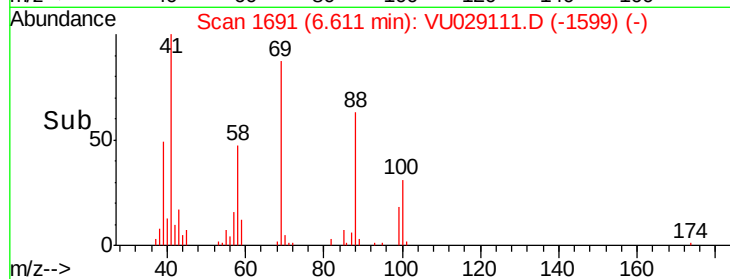
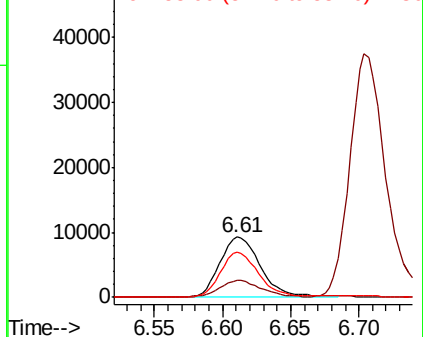
#49
1,4-Dioxane
Concen: 443.000 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion: 88 Resp: 19179
Ion Ratio Lower Upper
88 100
43 26.6 23.0 34.4
58 71.1 57.9 86.9

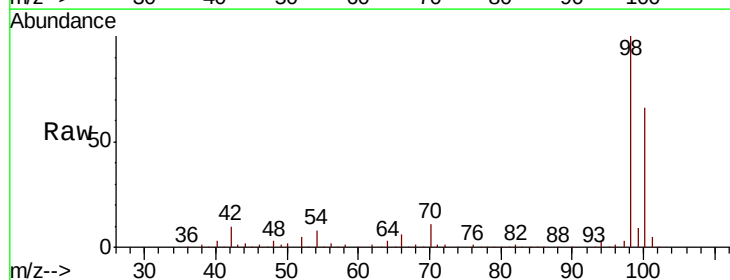


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

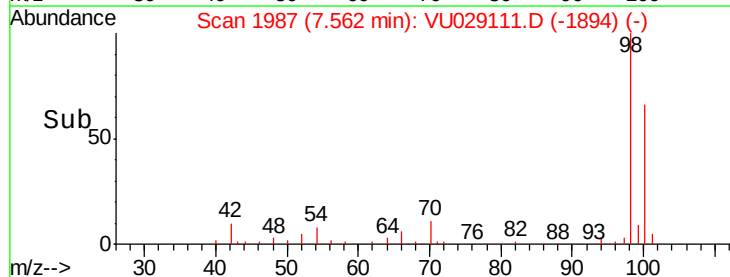
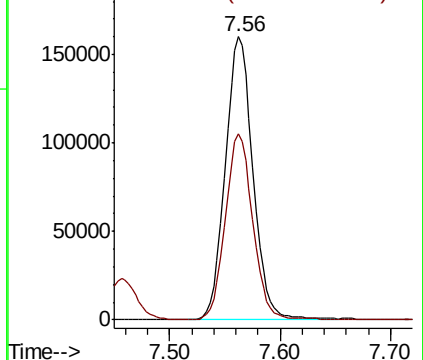


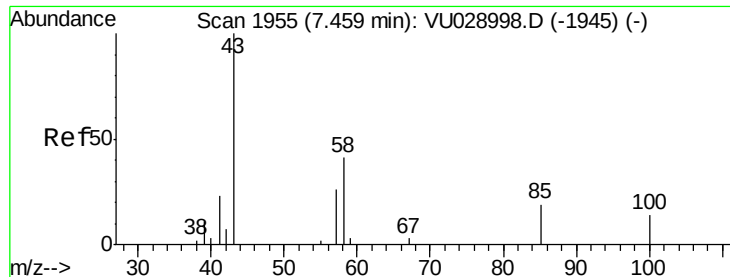
#50
Toluene-d8
Concen: 48.859 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 98 Resp: 278730
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 105.195 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

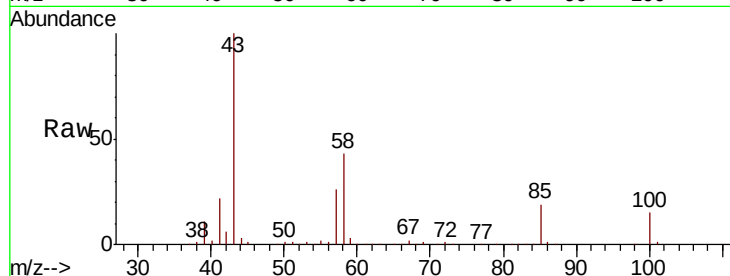
VU0110MBS01

Tgt Ion: 43 Resp: 268596

Ion Ratio Lower Upper

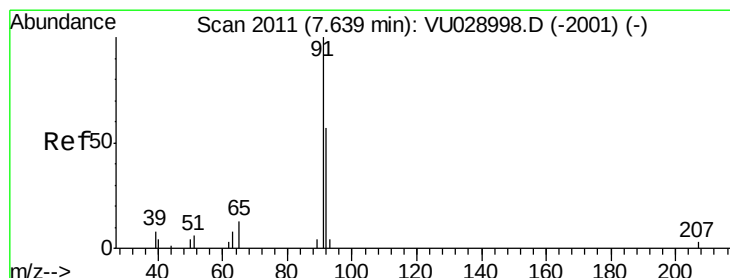
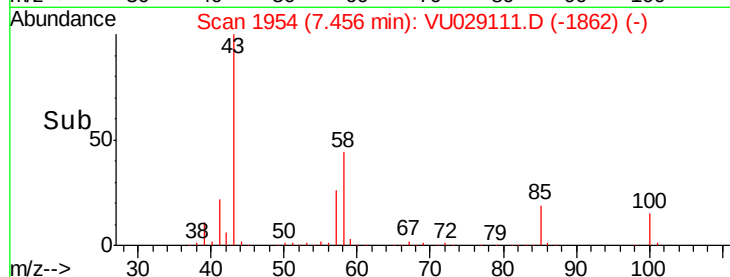
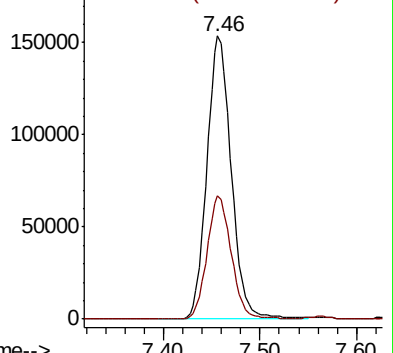
43 100

58 43.3 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.680 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029111.D

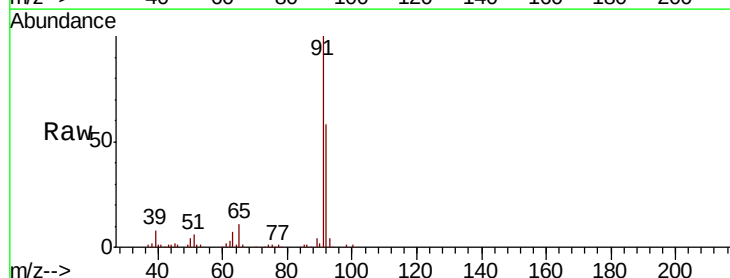
Acq: 10 Jan 2019 12:15

Tgt Ion: 92 Resp: 83270

Ion Ratio Lower Upper

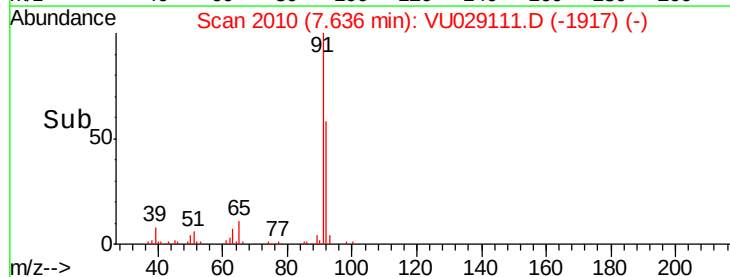
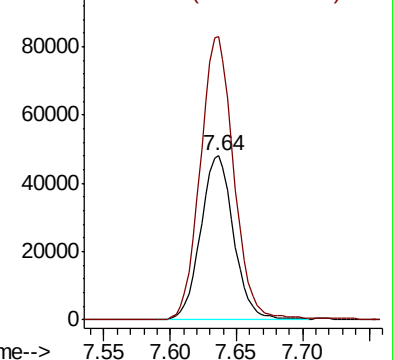
92 100

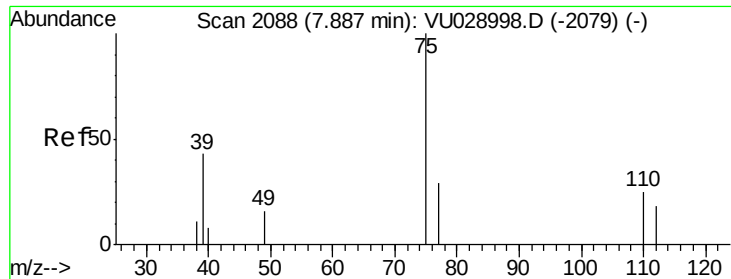
91 175.0 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

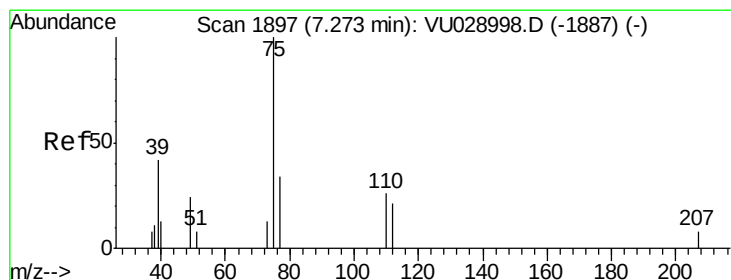
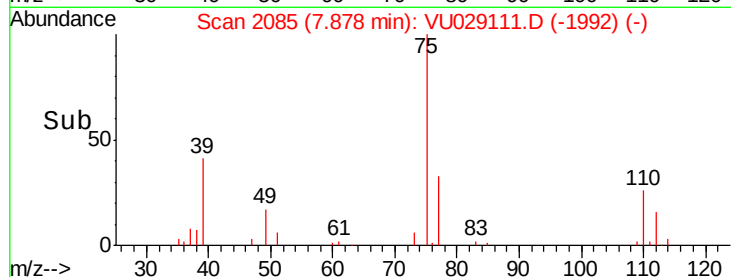
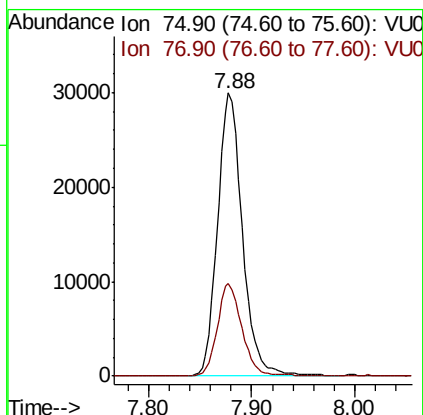
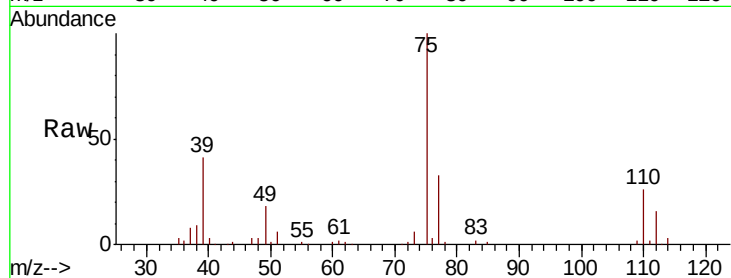




#53
t-1,3-Dichloropropene
Concen: 19.347 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

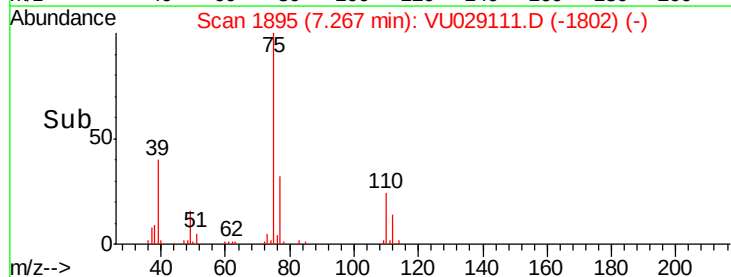
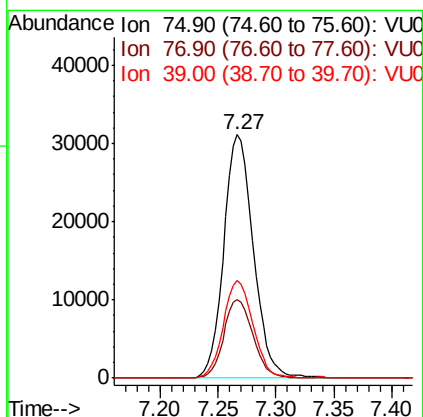
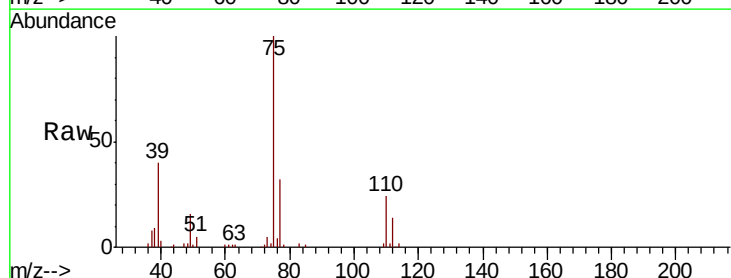
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

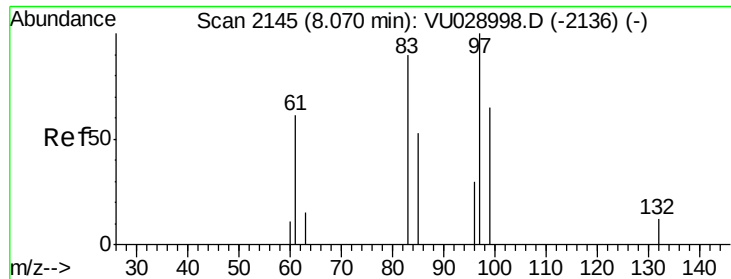
Tgt Ion: 75 Resp: 50207
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 19.693 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 75 Resp: 55221
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 39.9 32.2 48.4

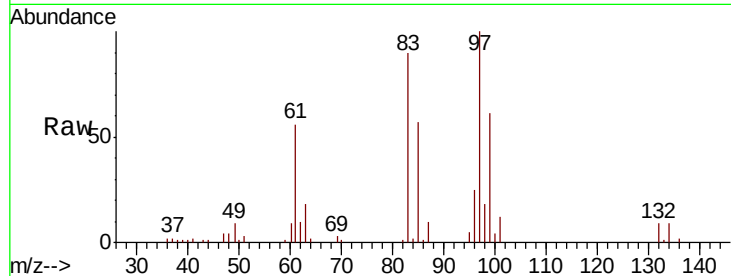




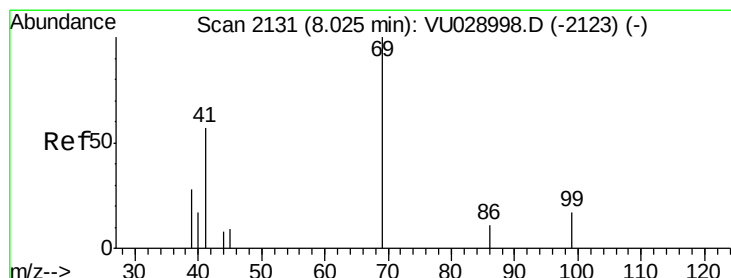
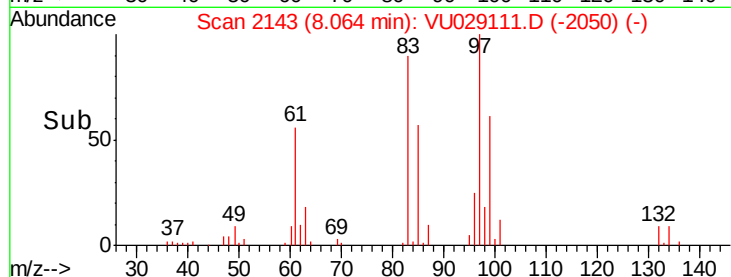
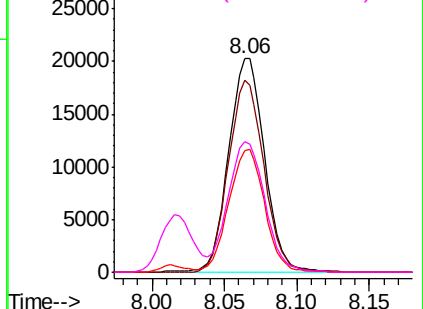
#55
 1,1,2-Trichloroethane
 Concen: 20.483 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion: 97 Resp: 34720
 Ion Ratio Lower Upper
 97 100
 83 89.9 69.8 104.8
 85 57.1 47.3 70.9
 99 61.2 49.7 74.5

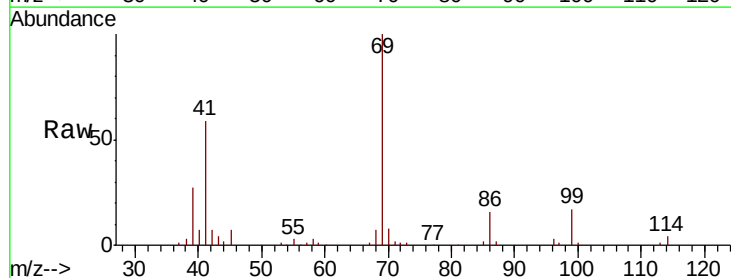


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

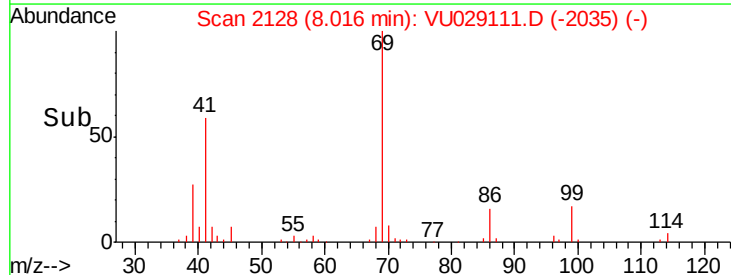
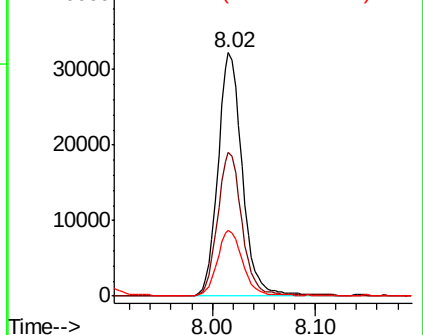


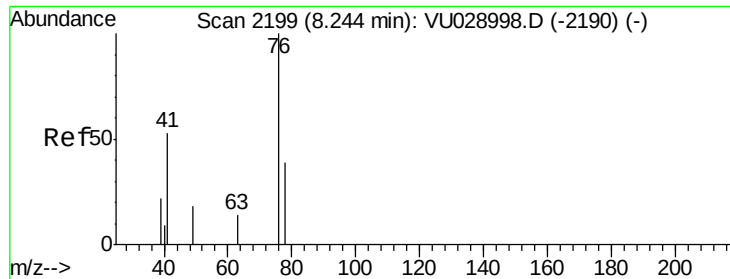
#56
 Ethyl methacrylate
 Concen: 20.274 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 69 Resp: 52943
 Ion Ratio Lower Upper
 69 100
 41 58.7 47.5 71.3
 39 28.1 22.5 33.7



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





#57

1,3-Dichloropropane

Concen: 20.681 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

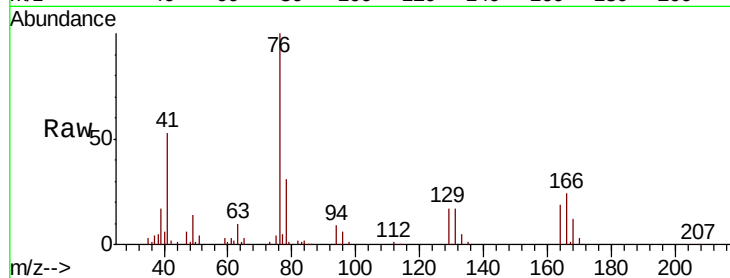
VU0110MBS01

Tgt Ion: 76 Resp: 59985

Ion Ratio Lower Upper

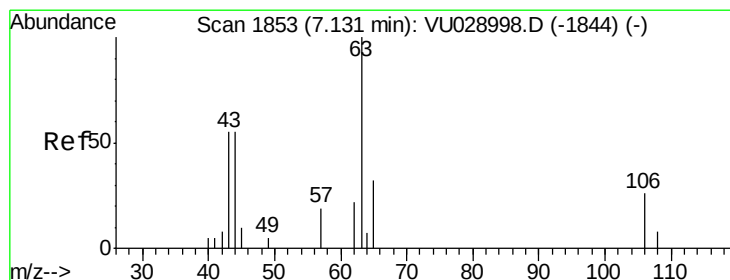
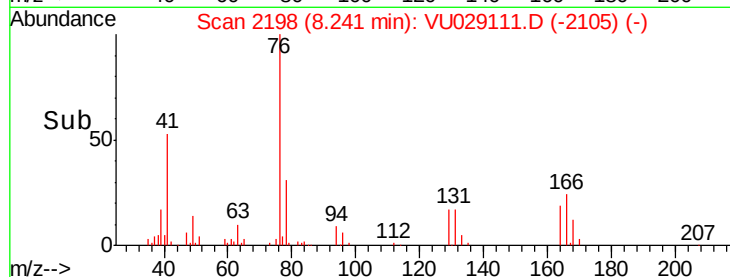
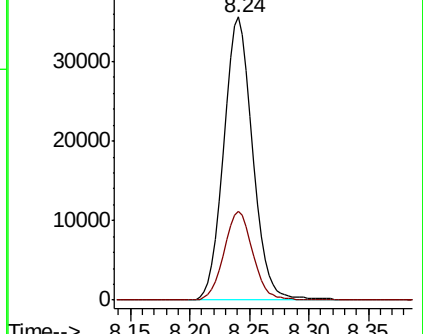
76 100

78 31.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-2190) (-)

Ion 77.90 (77.60 to 78.60): VU028998.D (-2190) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 103.347 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029111.D

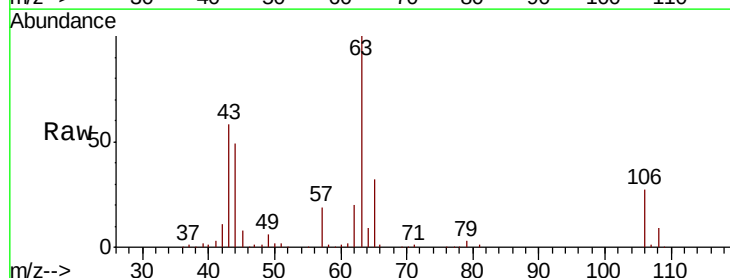
Acq: 10 Jan 2019 12:15

Tgt Ion: 63 Resp: 118689

Ion Ratio Lower Upper

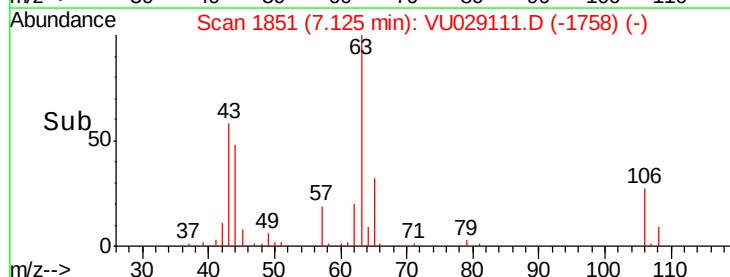
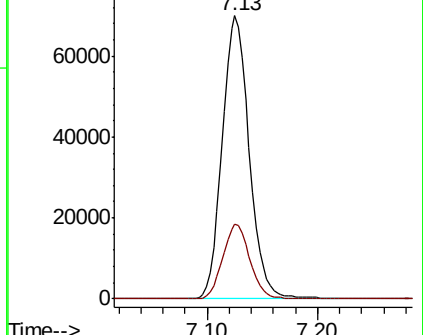
63 100

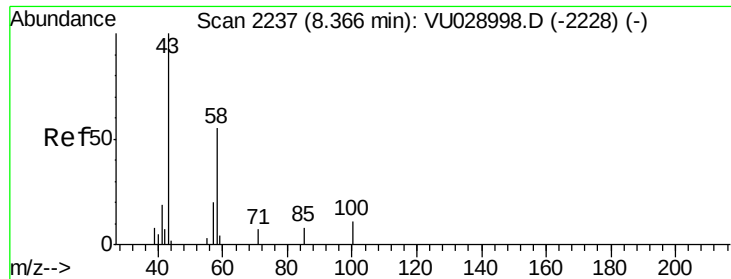
106 26.5 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1844) (-)

Ion 105.90 (105.60 to 106.60): VU028998.D (-1844) (-)

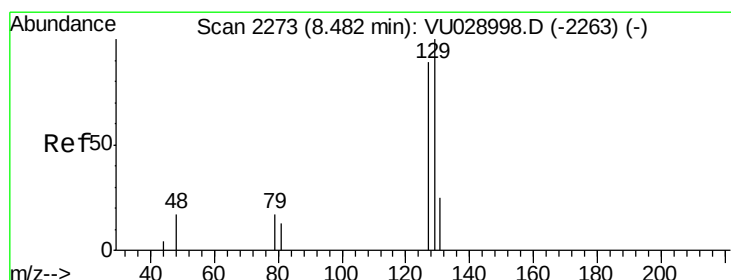
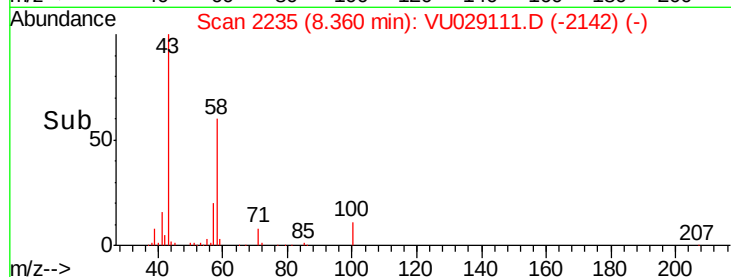
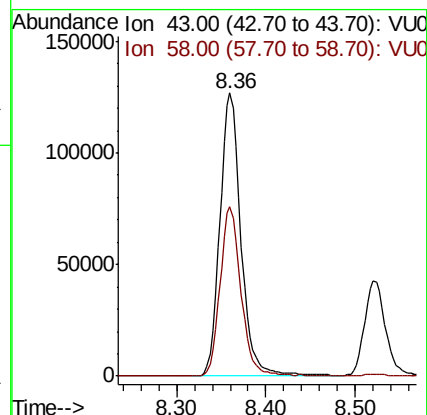
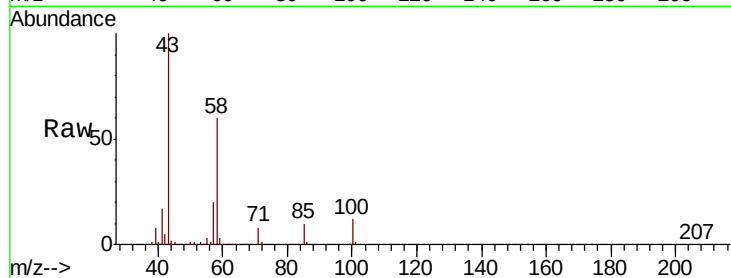




#59
2-Hexanone
Concen: 103.137 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

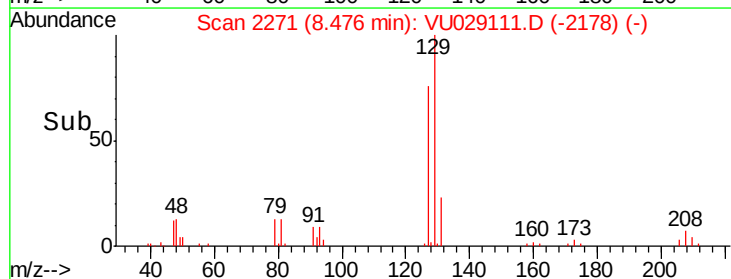
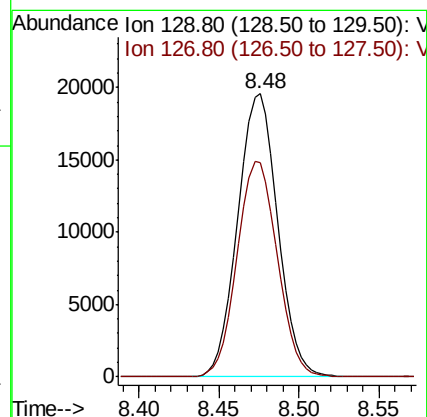
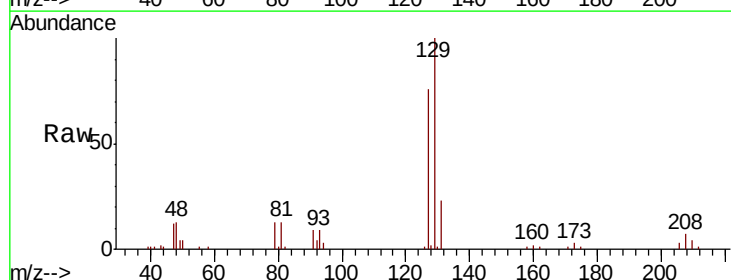
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

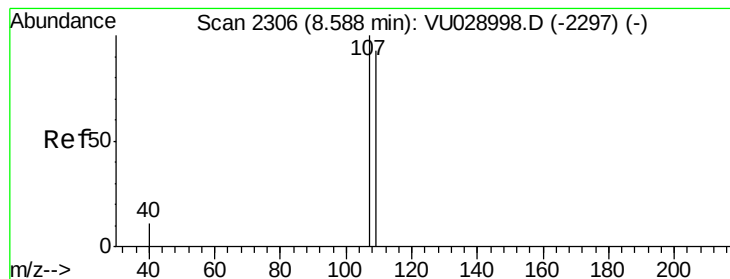
Tgt Ion: 43 Resp: 206714
Ion Ratio Lower Upper
43 100
58 59.2 29.8 89.4



#60
Dibromochloromethane
Concen: 19.872 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 129 Resp: 33371
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.066 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

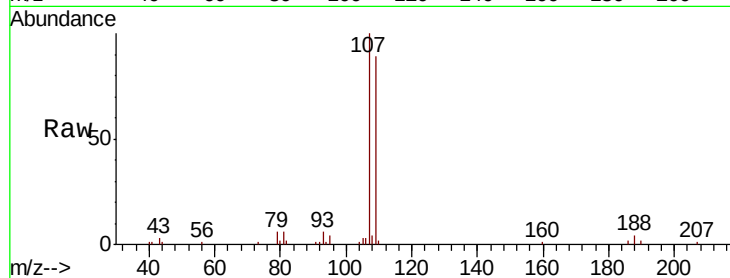
VU0110MBS01

Tgt Ion: 107 Resp: 36888

Ion Ratio Lower Upper

107 100

109 94.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

25000

20000

15000

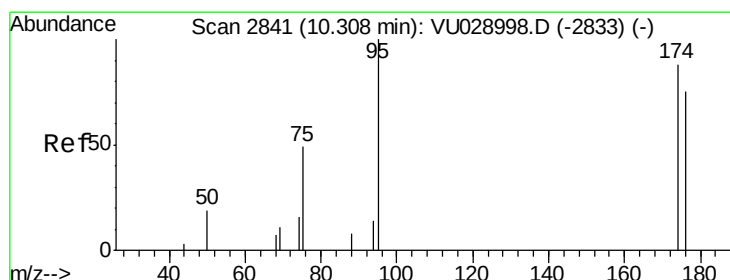
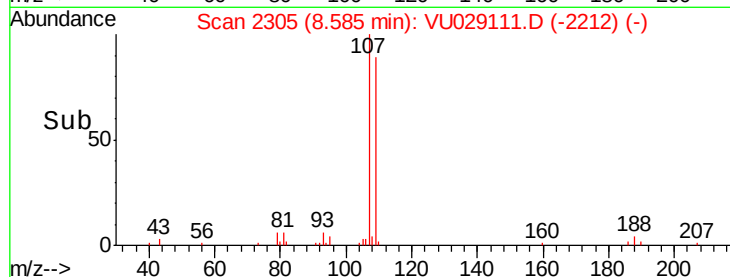
10000

5000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.634 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

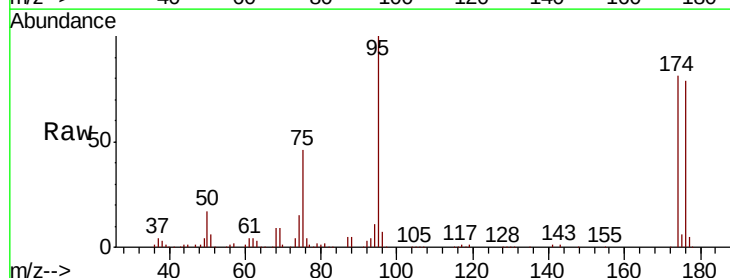
Tgt Ion: 95 Resp: 99708

Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.6

176 80.6 0.0 165.0



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

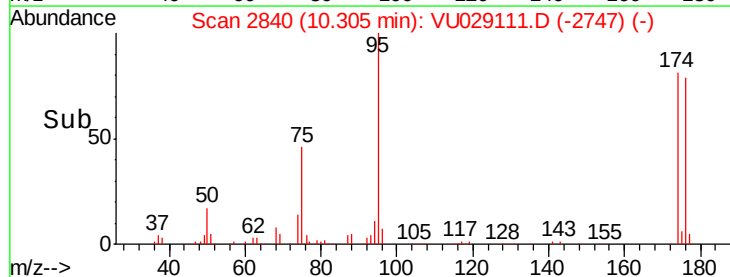
40000

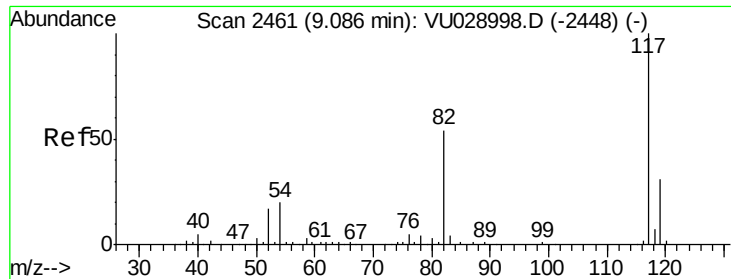
20000

0

10.30 10.40

Time-->

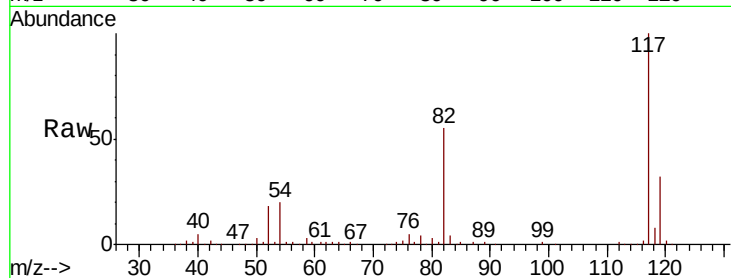




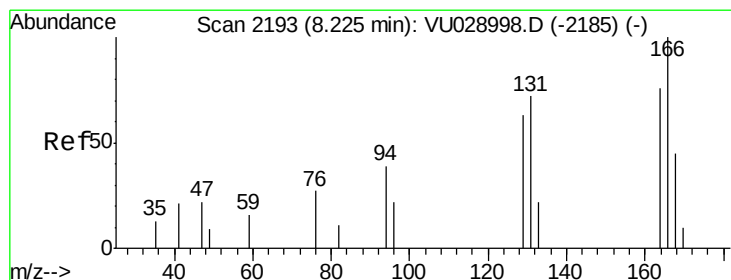
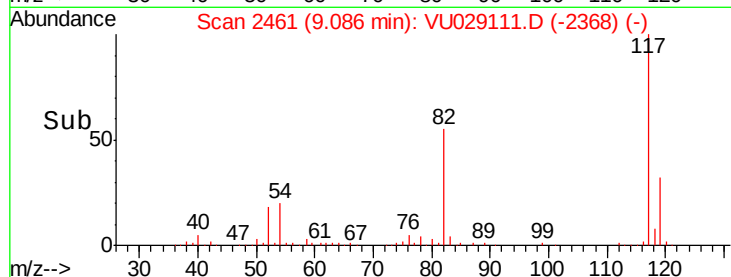
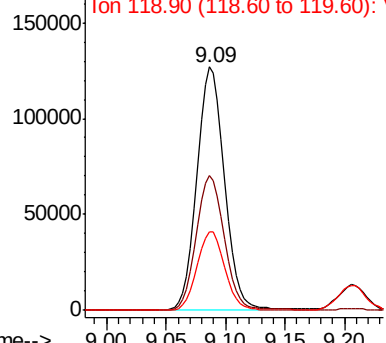
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion:117 Resp: 205429
Ion Ratio Lower Upper
117 100
82 55.4 43.9 65.9
119 32.3 26.0 39.0

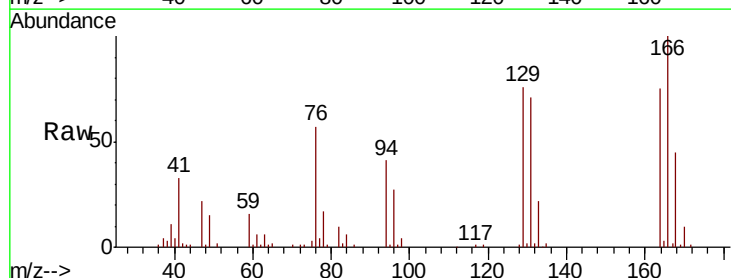


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

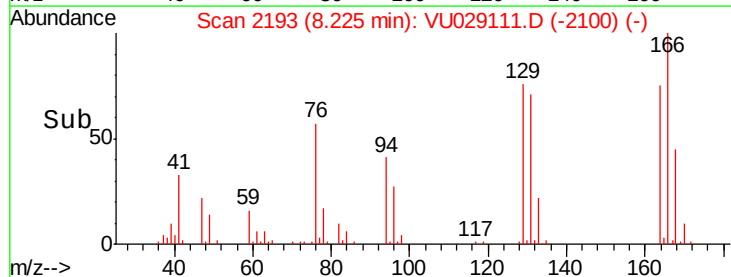
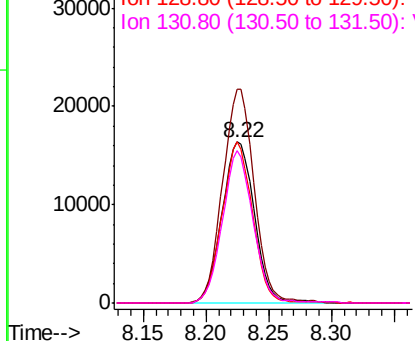


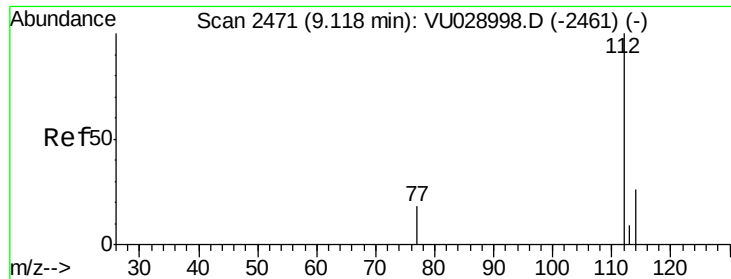
#64
Tetrachloroethene
Concen: 19.809 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:164 Resp: 29313
Ion Ratio Lower Upper
164 100
166 132.9 99.4 149.0
129 100.5 70.5 105.7
131 94.5 69.0 103.6



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

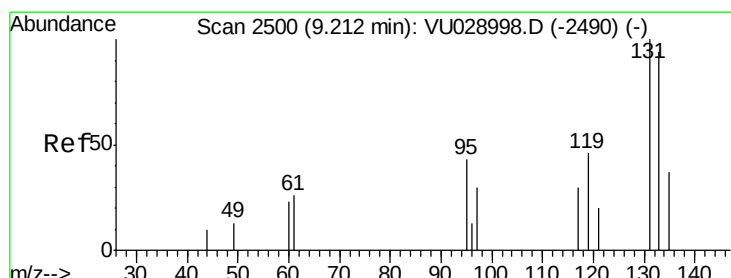
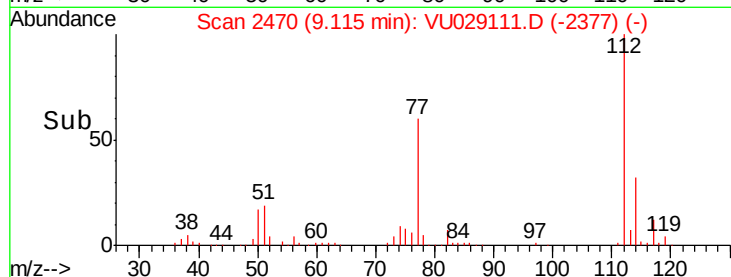
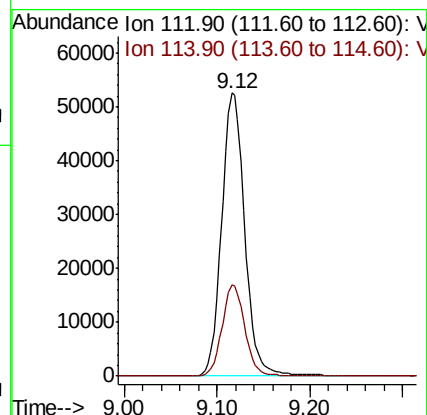
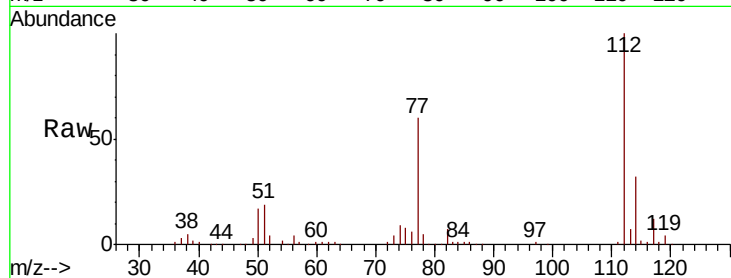




#65
Chlorobenzene
Concen: 19.691 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

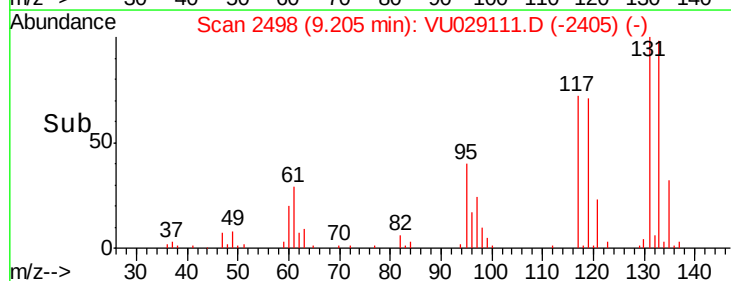
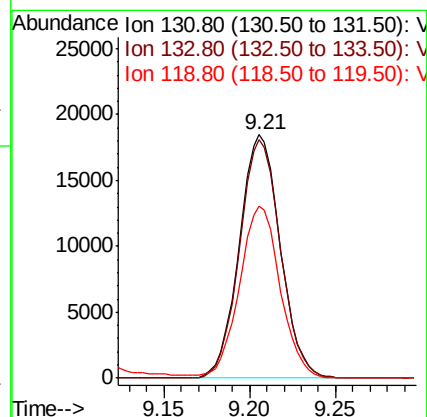
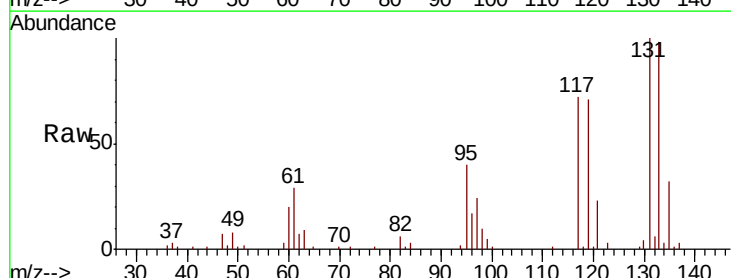
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

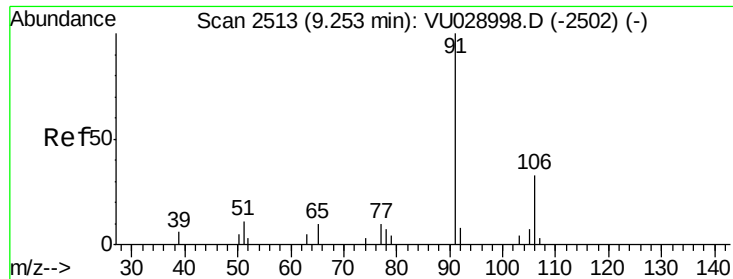
Tgt Ion:112 Resp: 90672
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.460 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:131 Resp: 30575
Ion Ratio Lower Upper
131 100
133 97.7 48.2 144.6
119 70.3 35.4 106.3

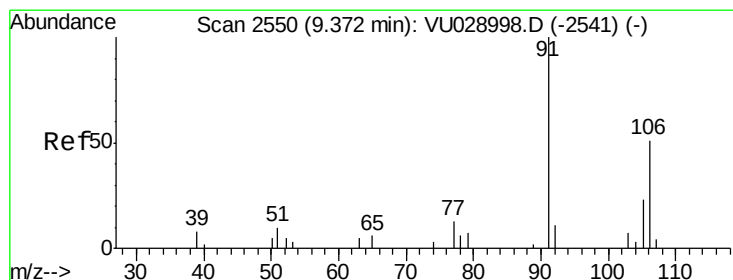
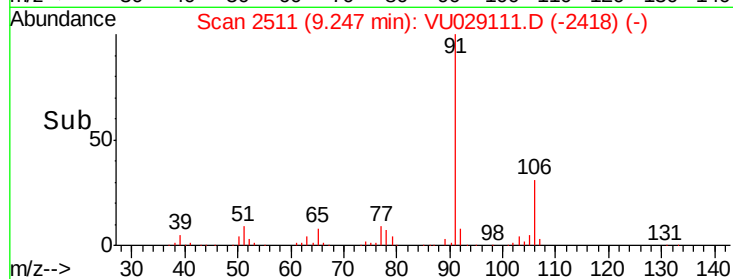
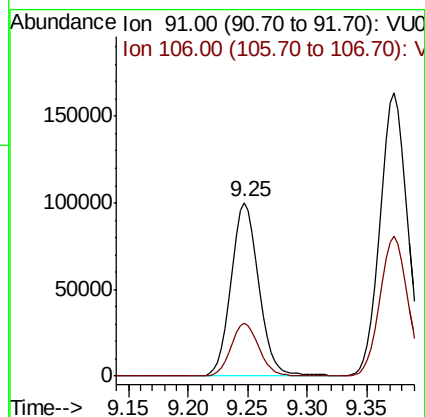
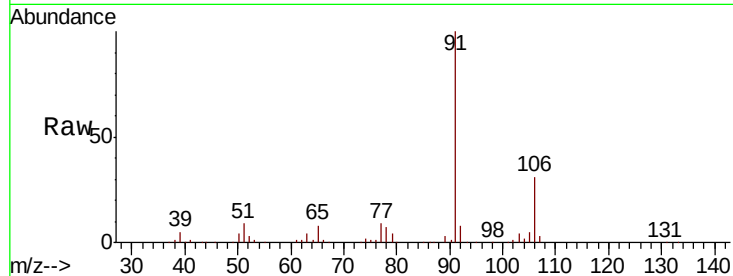




#67
Ethyl Benzene
Concen: 21.171 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

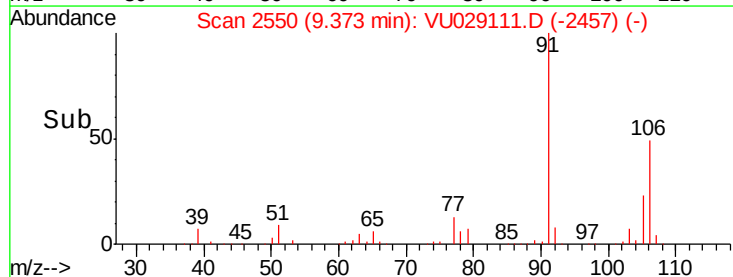
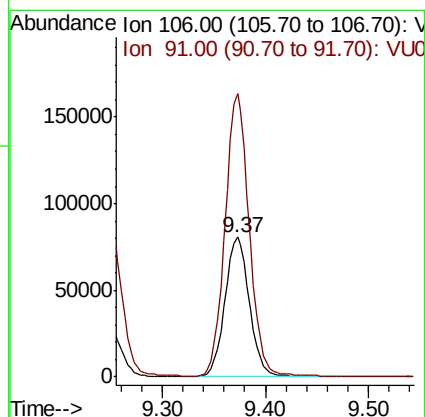
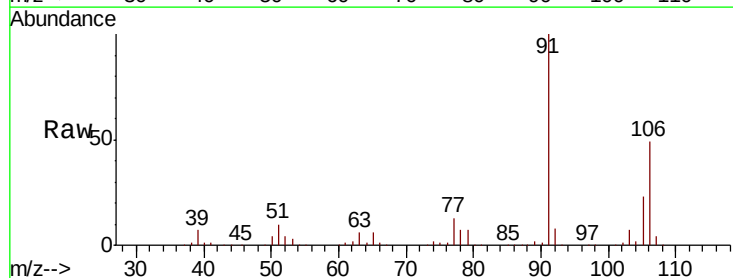
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

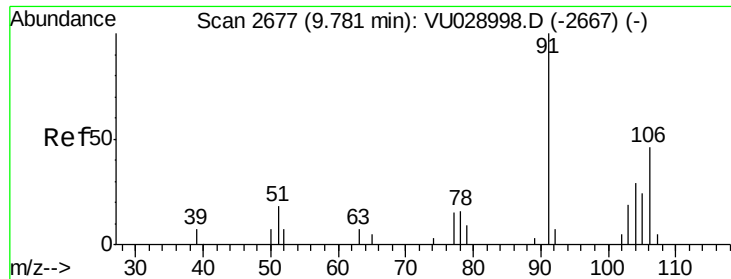
Tgt Ion: 91 Resp: 162758
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 44.704 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 106 Resp: 133536
Ion Ratio Lower Upper
106 100
91 198.9 161.7 242.5

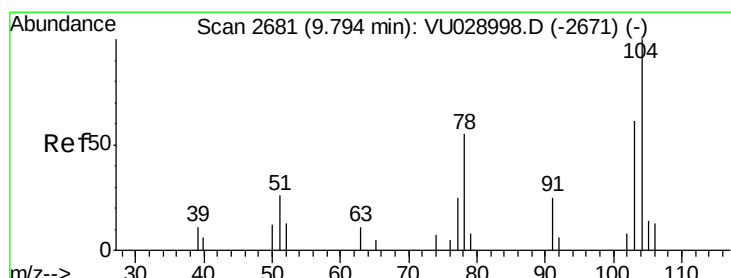
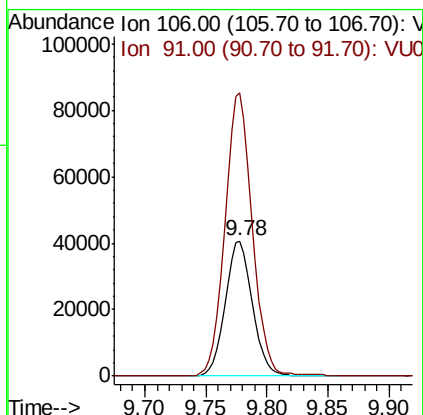
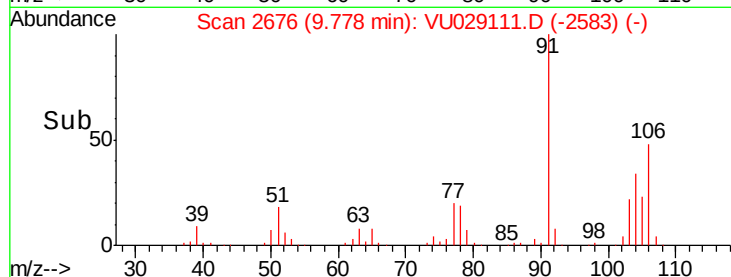
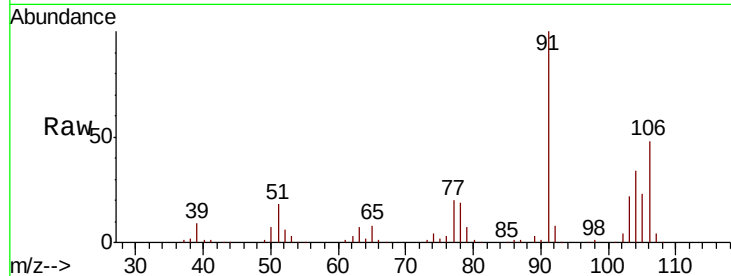




#69
o-Xylene
Concen: 22.151 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

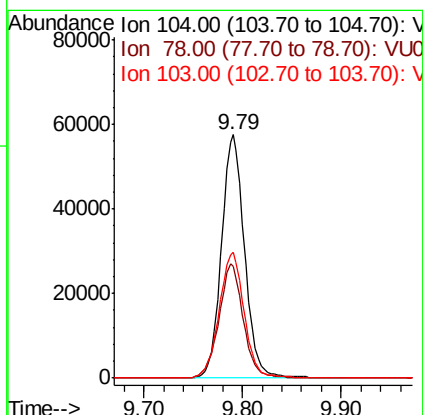
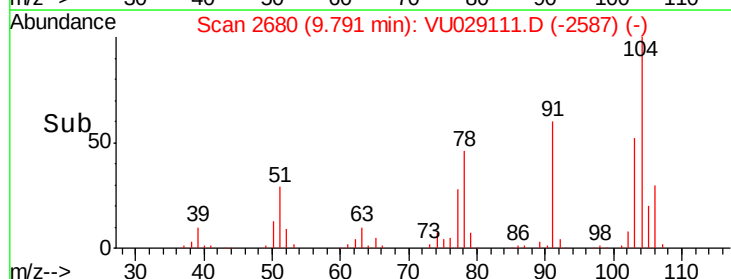
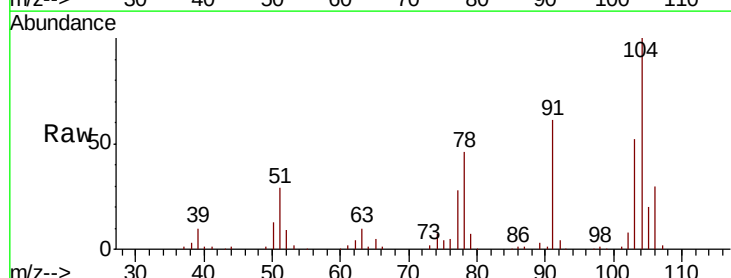
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

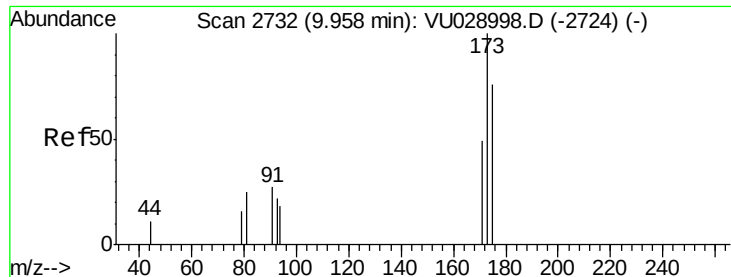
Tgt Ion:106 Resp: 63756
Ion Ratio Lower Upper
106 100
91 209.5 106.1 318.3



#70
Styrene
Concen: 20.125 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:104 Resp: 94956
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 55.9 44.5 66.7





#71

Bromoform

Concen: 19.191 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

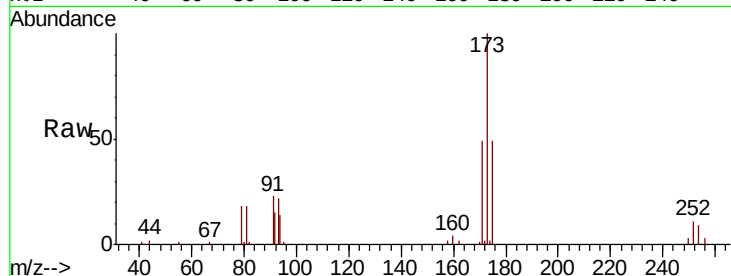
Tgt Ion:173 Resp: 25535

Ion Ratio Lower Upper

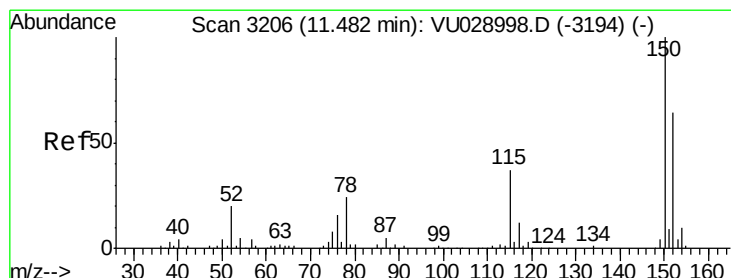
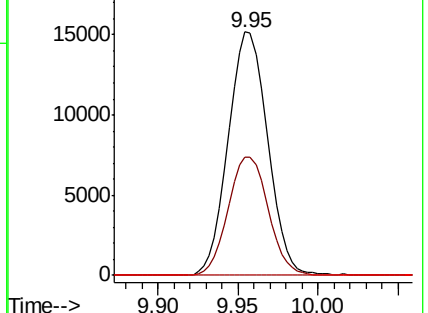
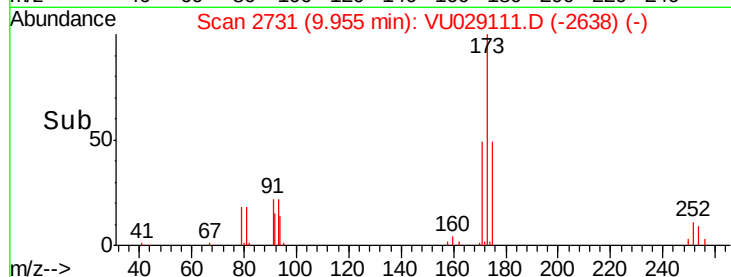
173 100

175 49.4 23.8 71.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

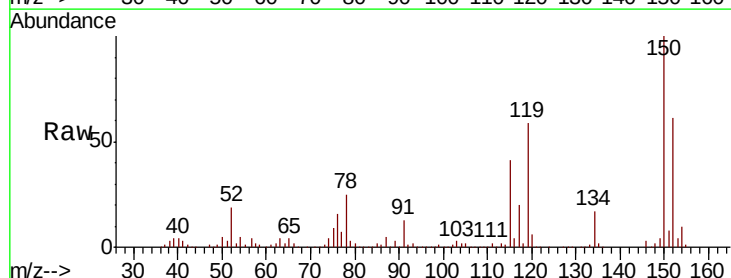
Tgt Ion:152 Resp: 97769

Ion Ratio Lower Upper

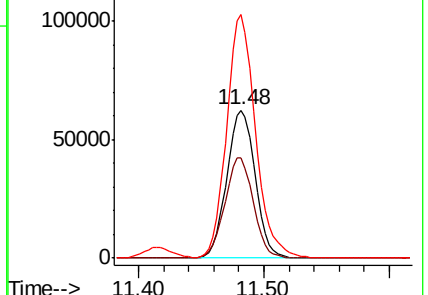
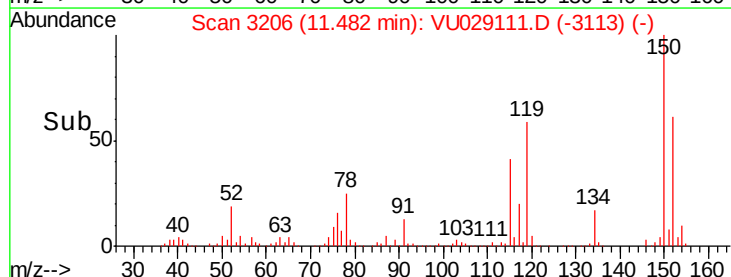
152 100

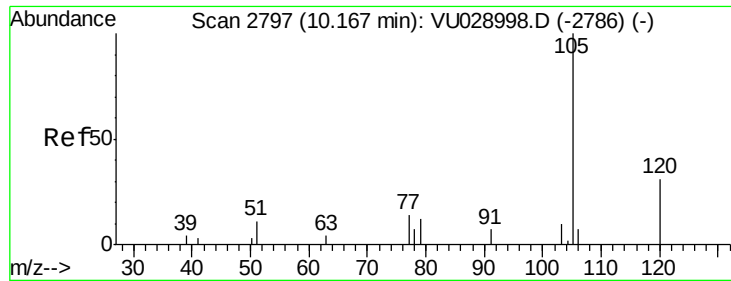
115 68.4 40.1 120.3

150 167.6 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

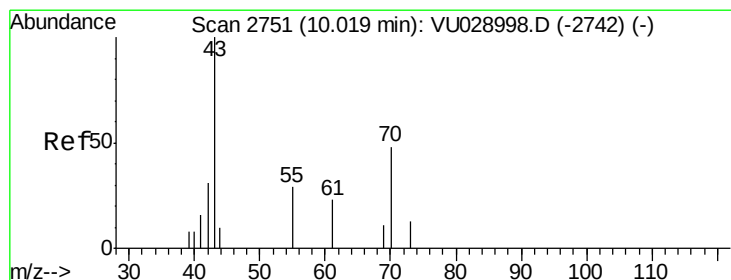
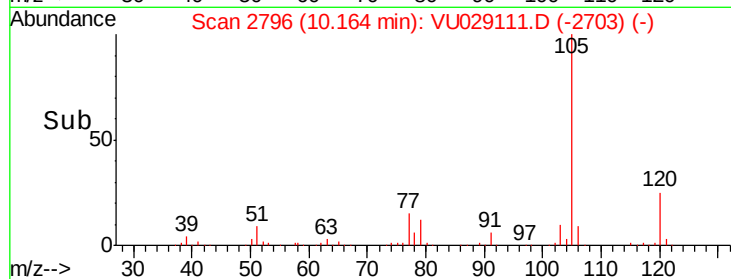
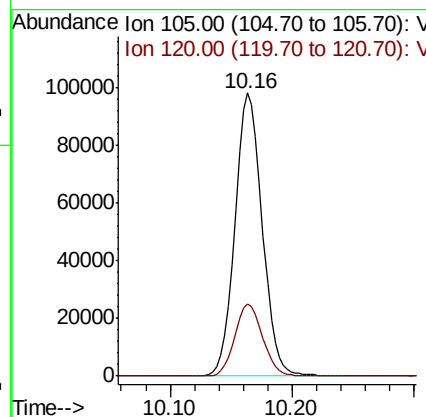
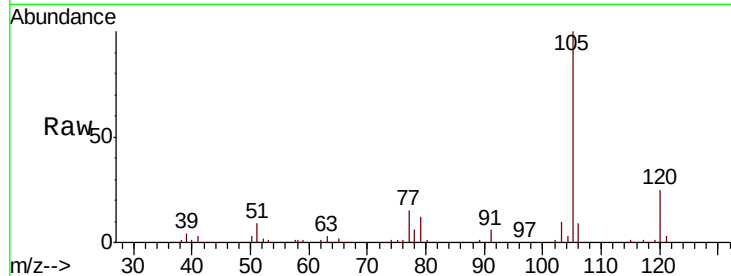




#73
Isopropylbenzene
Concen: 21.138 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

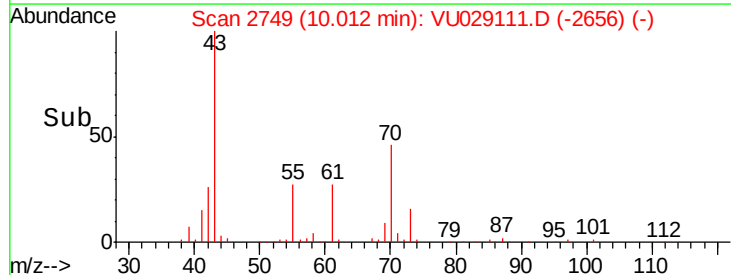
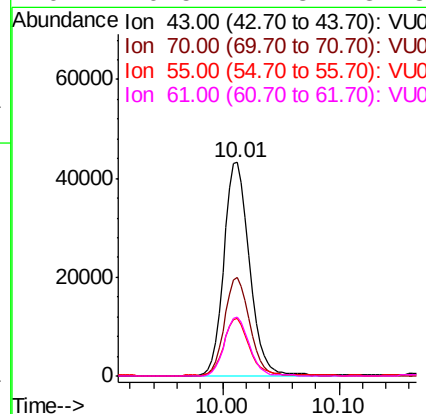
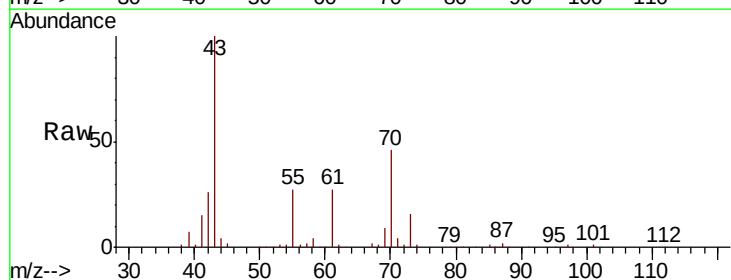
Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

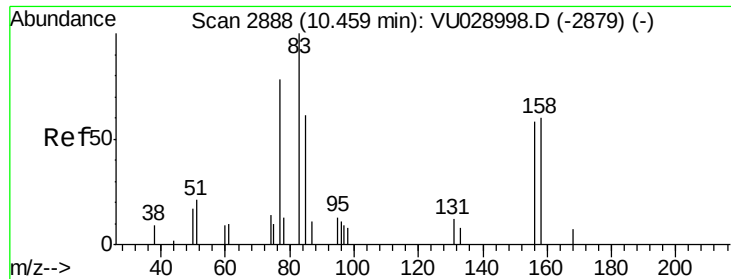
Tgt Ion: 105 Resp: 152967
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5



#74
N-ethyl acetate
Concen: 21.463 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion: 43 Resp: 66928
Ion Ratio Lower Upper
43 100
70 45.0 36.3 54.5
55 25.8 20.5 30.7
61 26.5 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.974 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

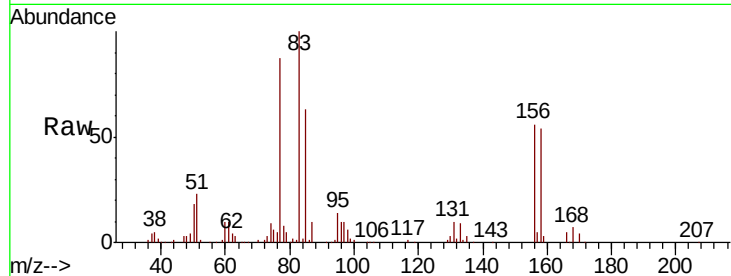
Tgt Ion: 83 Resp: 60831

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

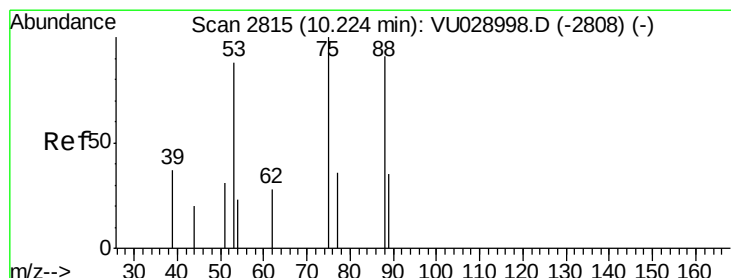
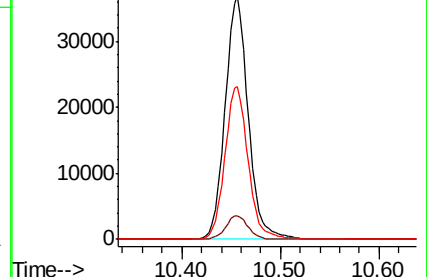
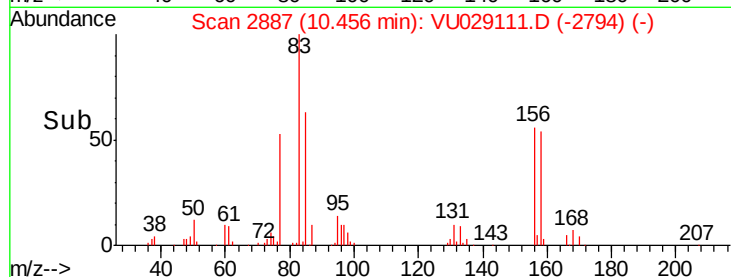
85 62.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 28.472 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029111.D

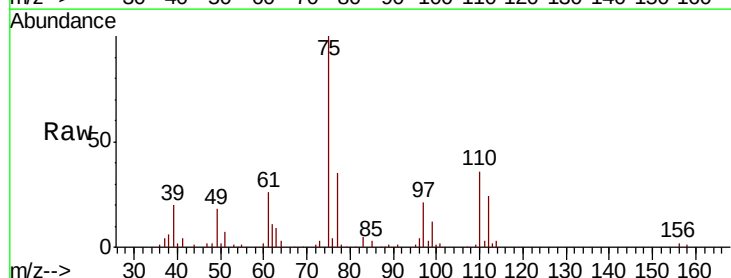
Acq: 10 Jan 2019 12:15

Tgt Ion: 75 Resp: 68204

Ion Ratio Lower Upper

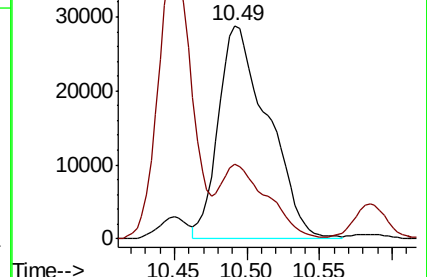
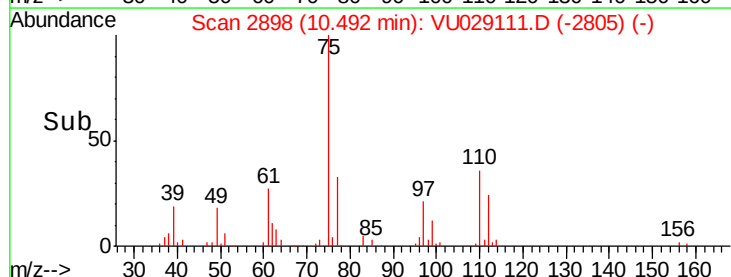
75 100

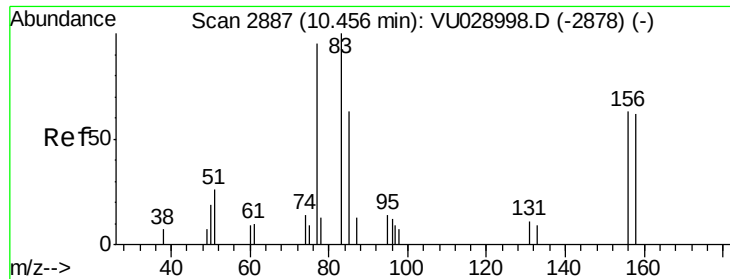
77 33.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.408 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

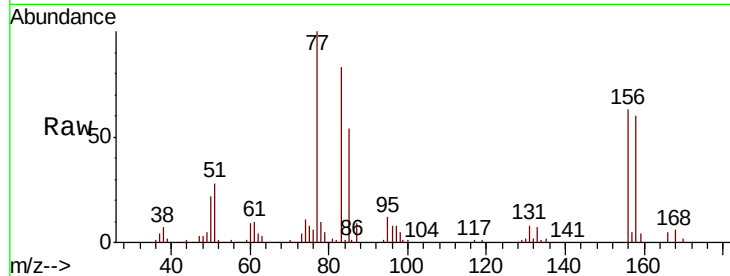
Tgt Ion:156 Resp: 38487

Ion Ratio Lower Upper

156 100

77 159.3 79.0 237.2

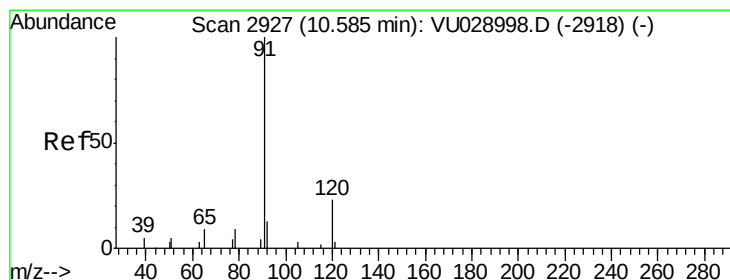
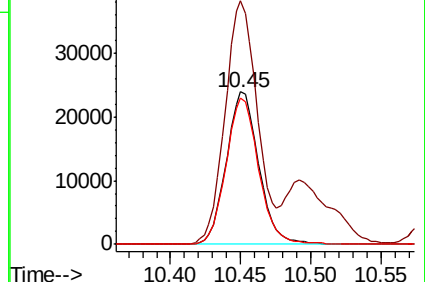
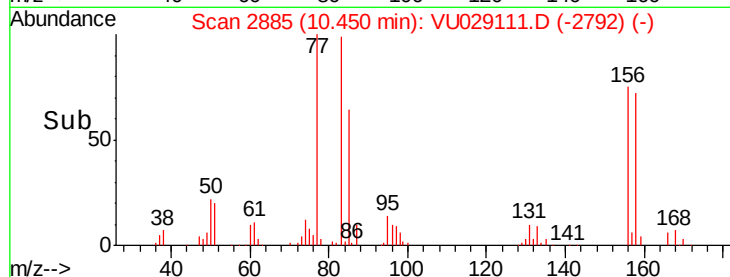
158 96.6 48.9 146.6



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: 21.556 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029111.D

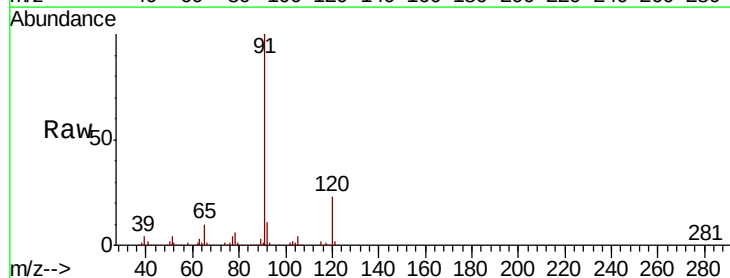
Acq: 10 Jan 2019 12:15

Tgt Ion: 91 Resp: 183837

Ion Ratio Lower Upper

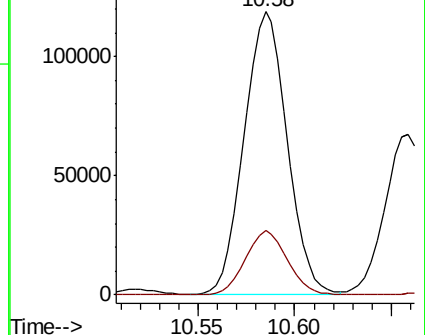
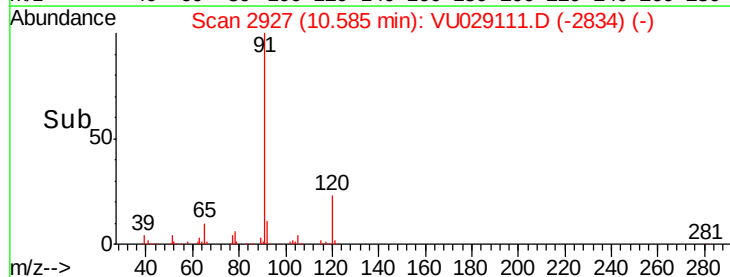
91 100

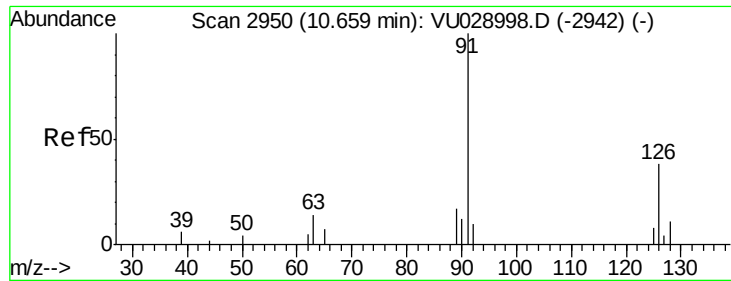
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

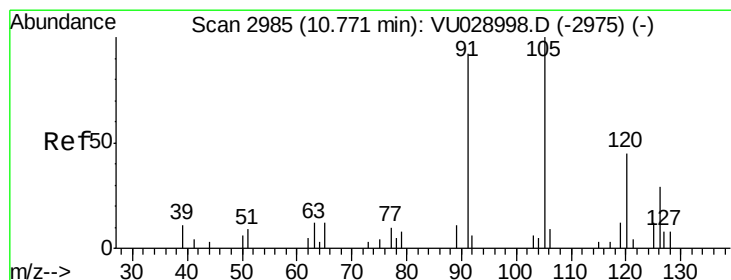
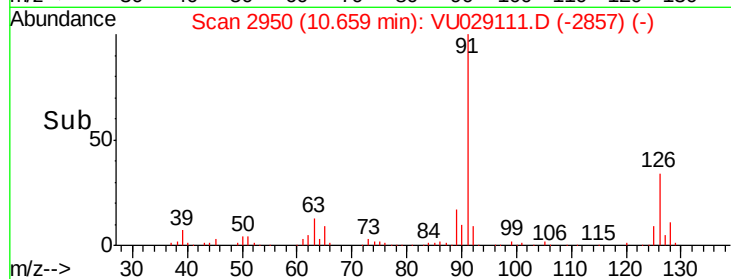
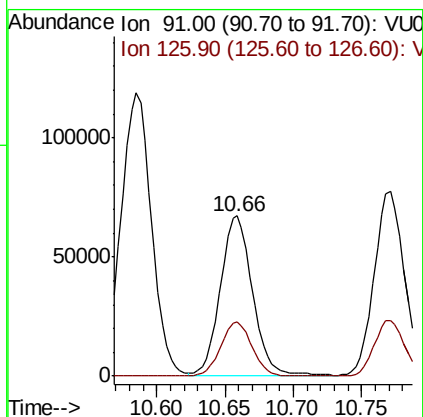
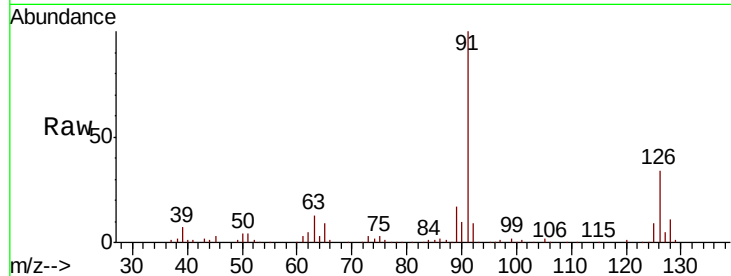




#79
 2-Chlorotoluene
 Concen: 21.280 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

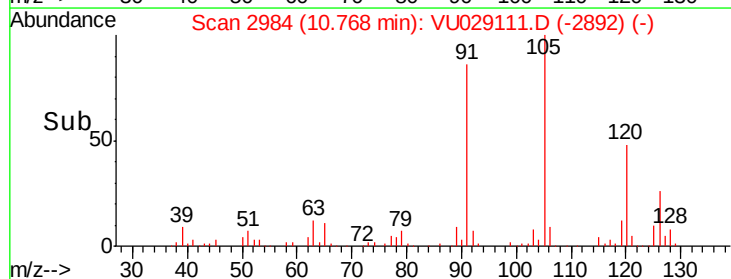
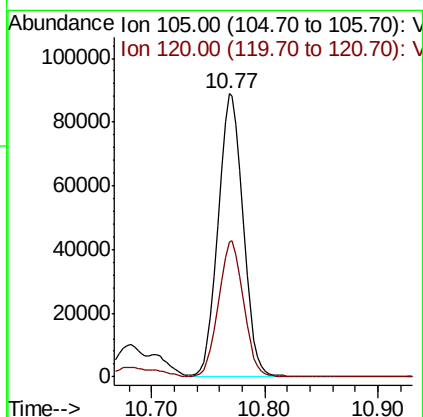
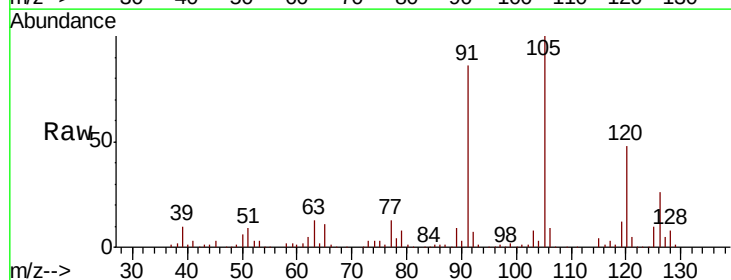
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

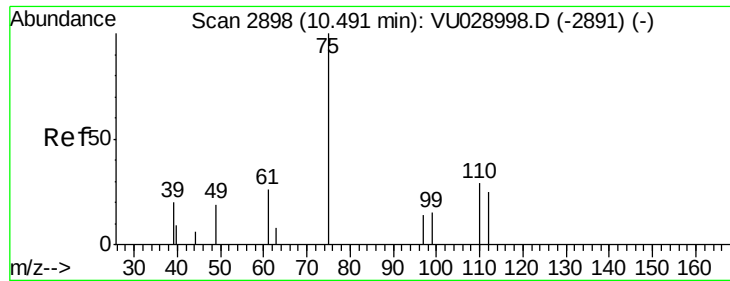
Tgt Ion: 91 Resp: 110090
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.549 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 105 Resp: 136266
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 73.430 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

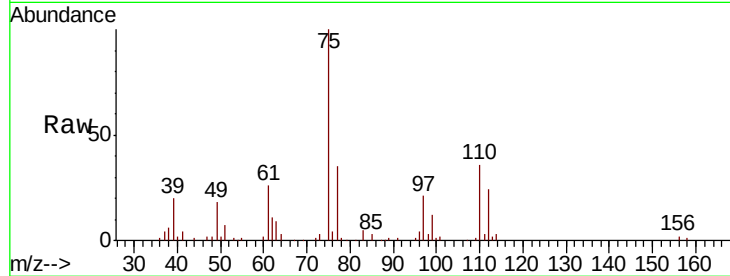
Tgt Ion: 75 Resp: 68204

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

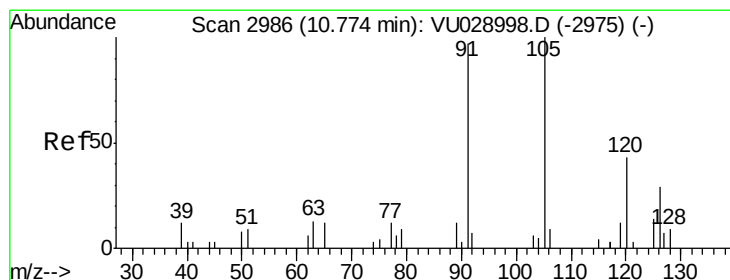
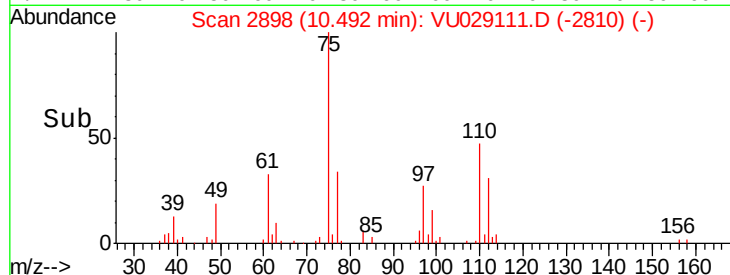
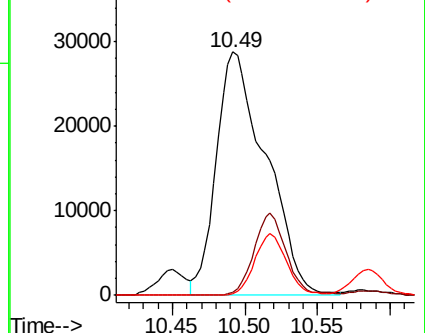
89 0.0 0.0 0.0



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: 20.225 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029111.D

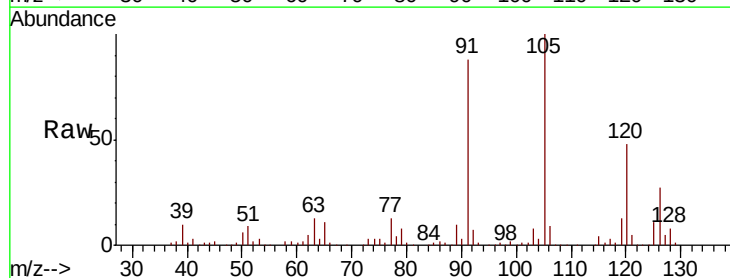
Acq: 10 Jan 2019 12:15

Tgt Ion: 91 Resp: 119978

Ion Ratio Lower Upper

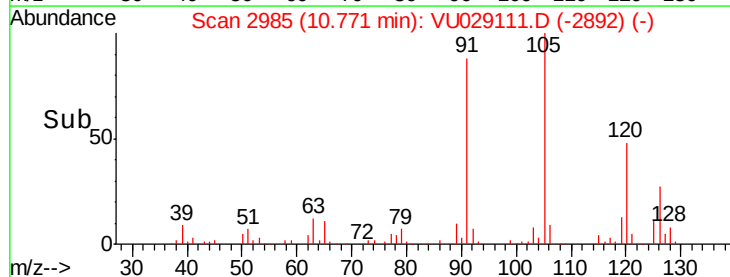
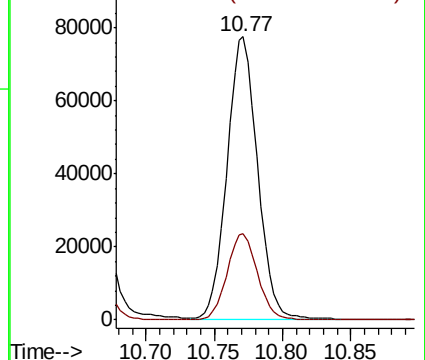
91 100

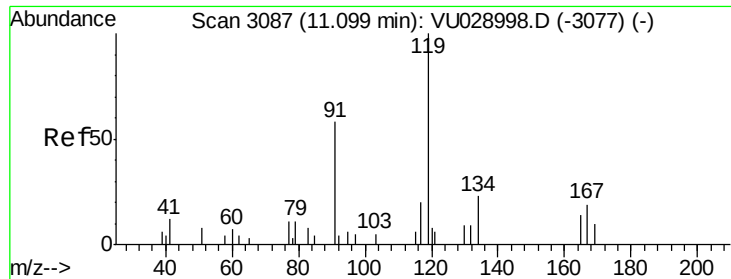
126 30.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

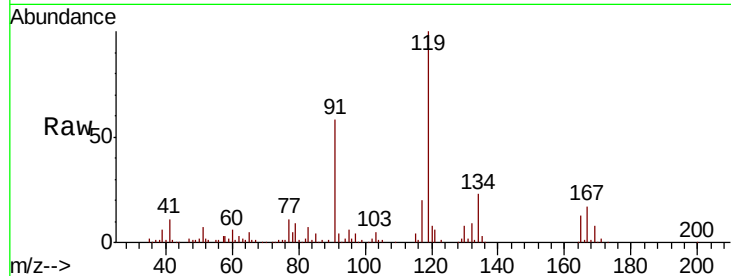




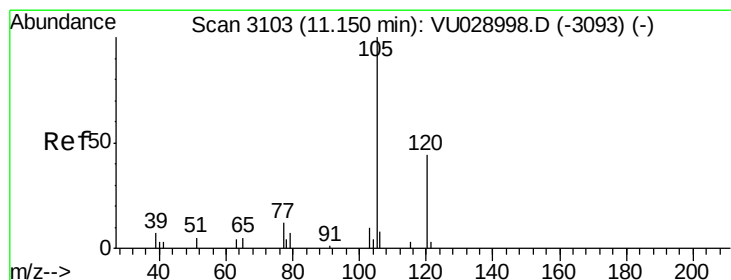
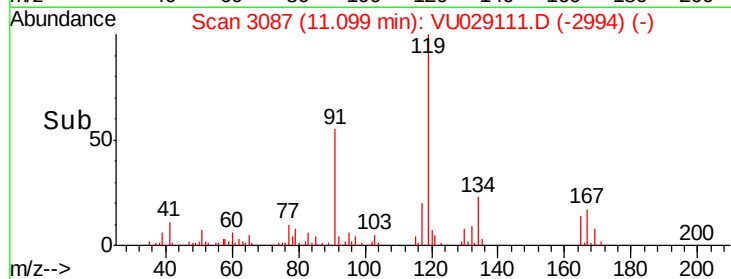
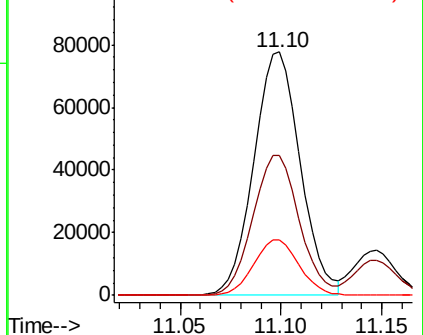
#83
 tert-Butylbenzene
 Concen: 21.006 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.0	28.2	84.6
134	22.3	11.3	33.8

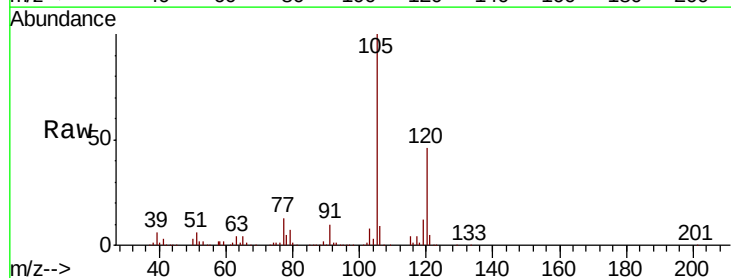


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

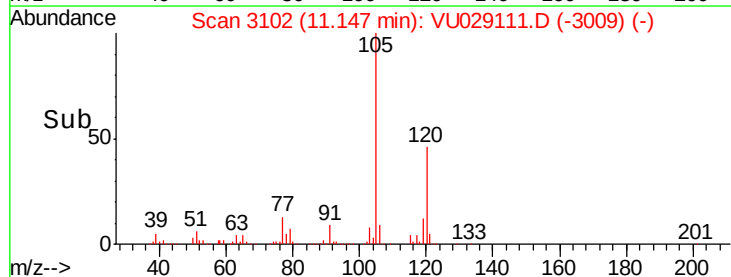
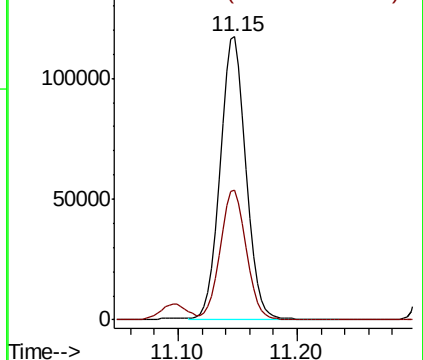


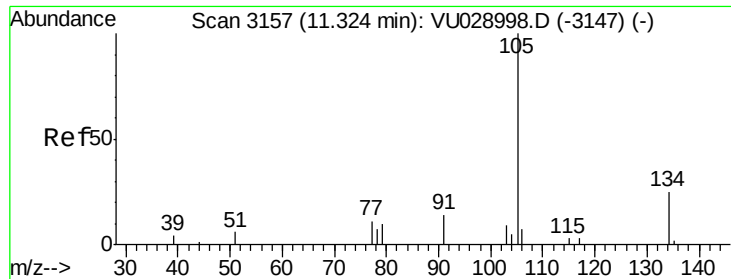
#84
 1,2,4-Trimethylbenzene
 Concen: 28.950 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3



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

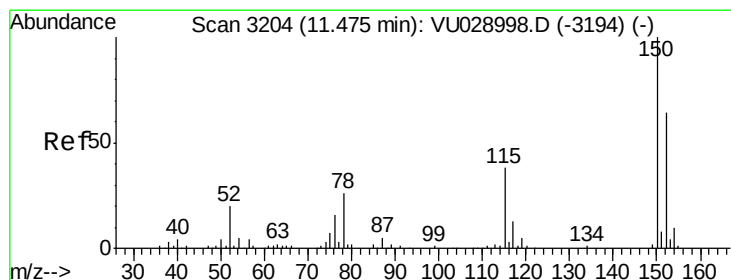
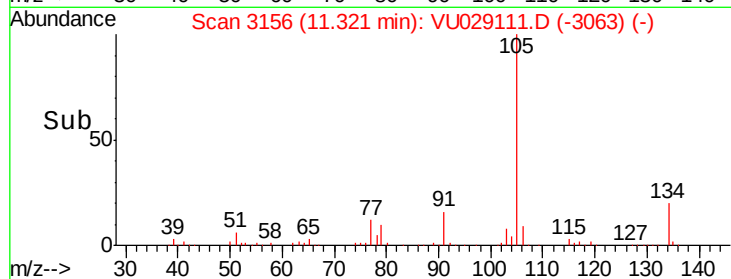
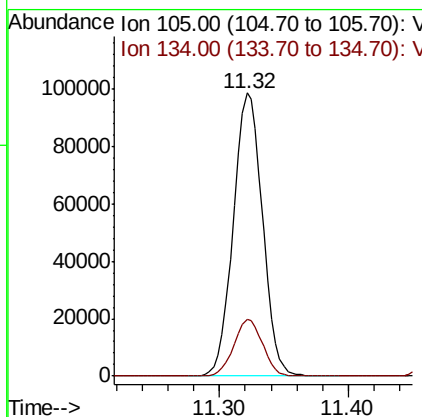
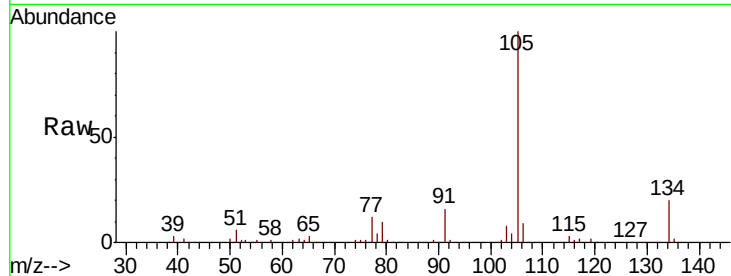




#85
 sec-Butylbenzene
 Concen: 21.393 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

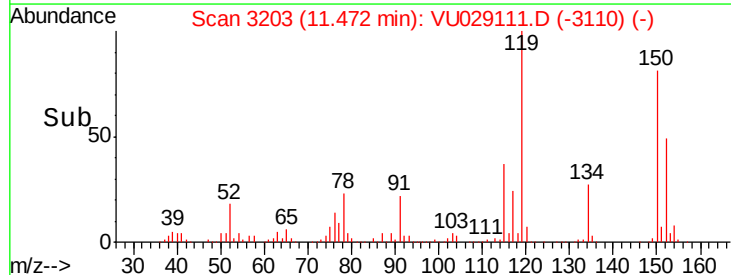
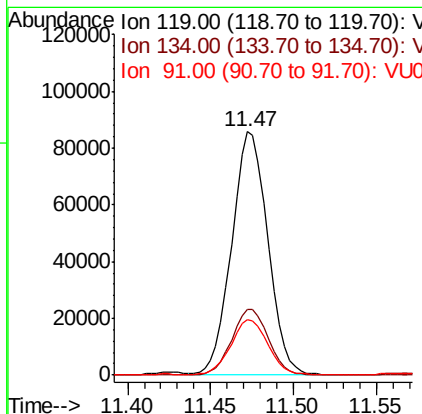
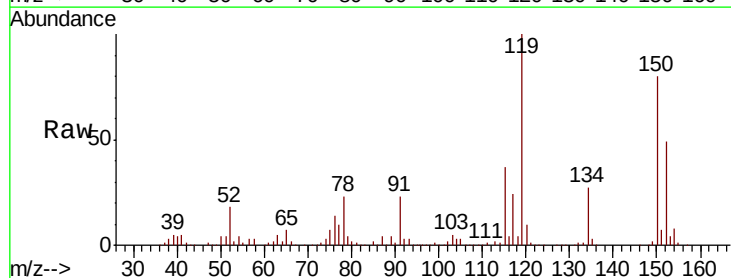
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

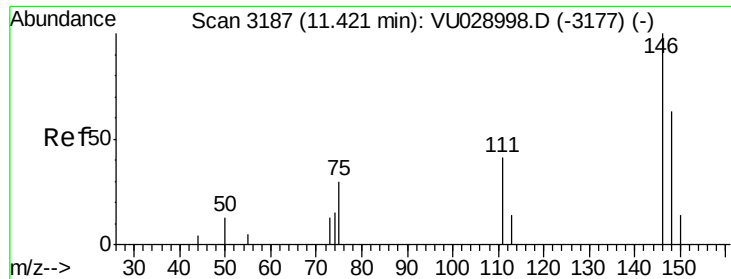
Tgt Ion:105 Resp: 154107
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.071 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion:119 Resp: 129338
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.5 40.4
 91 23.0 11.3 33.8

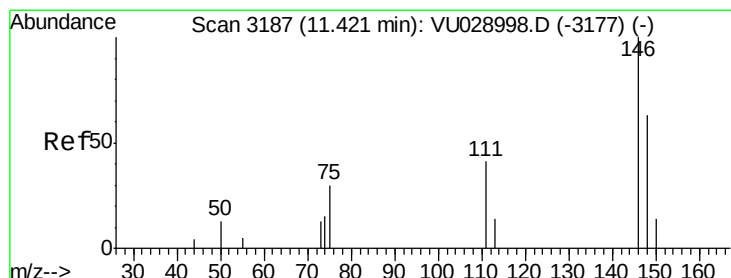
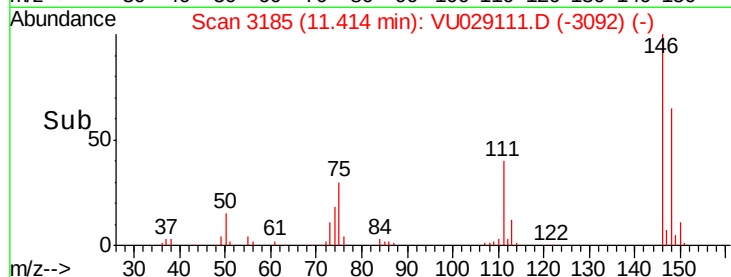
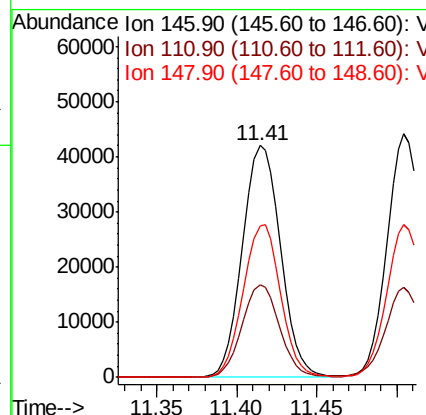
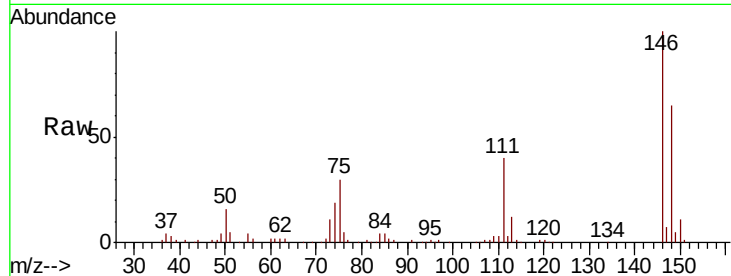




#87
 1,3-Dichlorobenzene
 Concen: 19.773 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

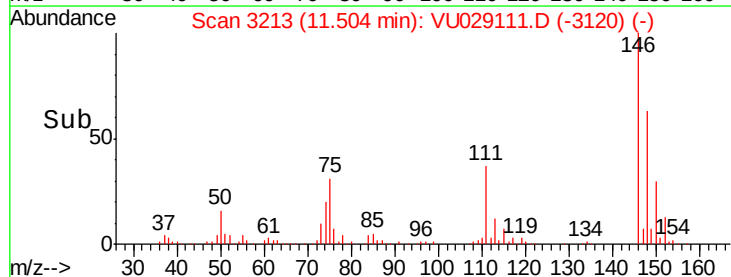
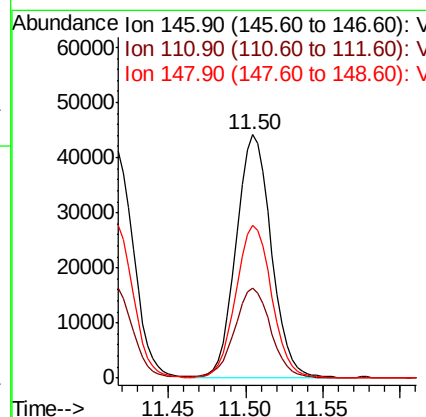
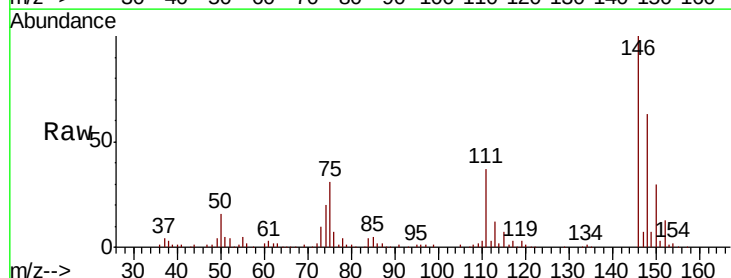
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

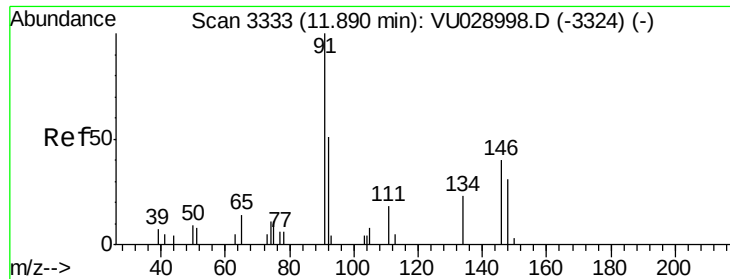
Tgt Ion:146 Resp: 68396
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.8
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion:146 Resp: 69324
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.3
 148 63.9 32.6 98.0





#89

n-Butylbenzene

Concen: 21.982 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029111.D

Acq: 10 Jan 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VU0110MBS01

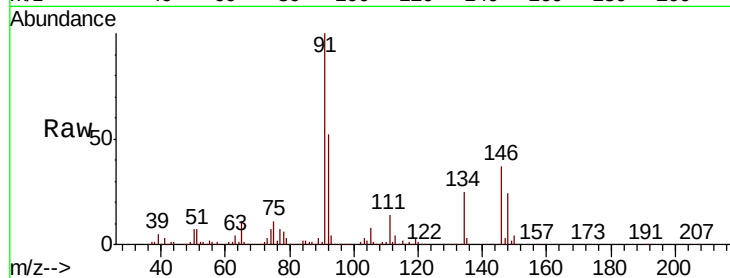
Tgt Ion: 91 Resp: 120429

Ion Ratio Lower Upper

91 100

92 51.5 26.2 78.5

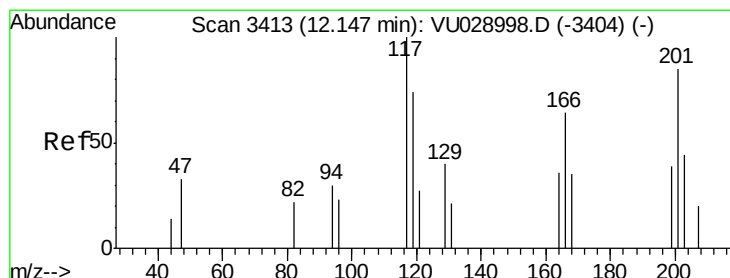
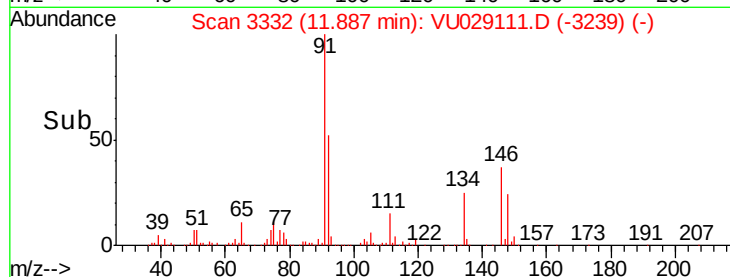
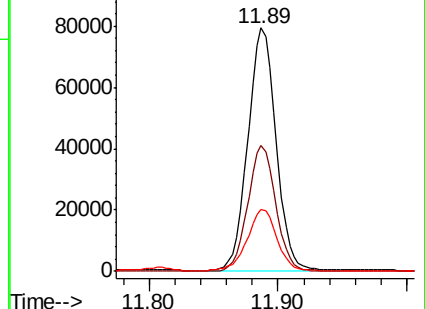
134 27.4 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)



#90

Hexachloroethane

Concen: 19.931 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029111.D

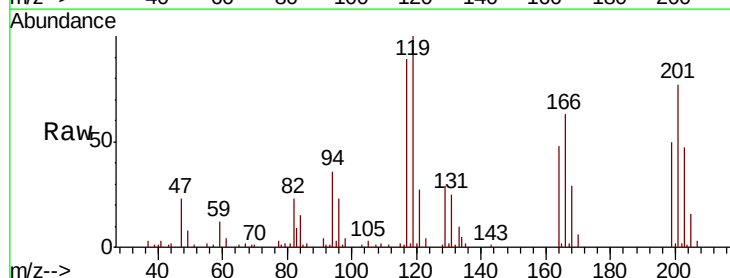
Acq: 10 Jan 2019 12:15

Tgt Ion: 117 Resp: 20581

Ion Ratio Lower Upper

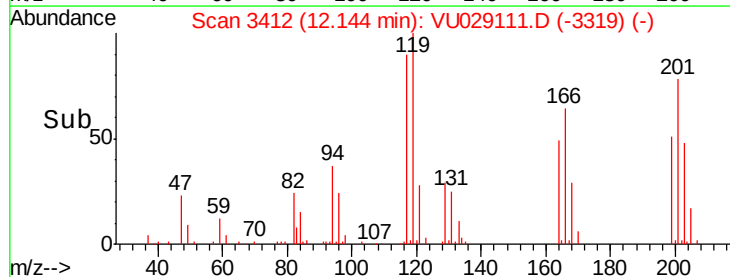
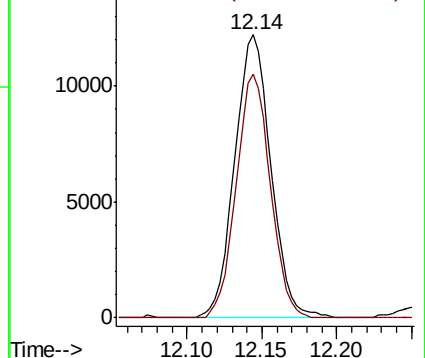
117 100

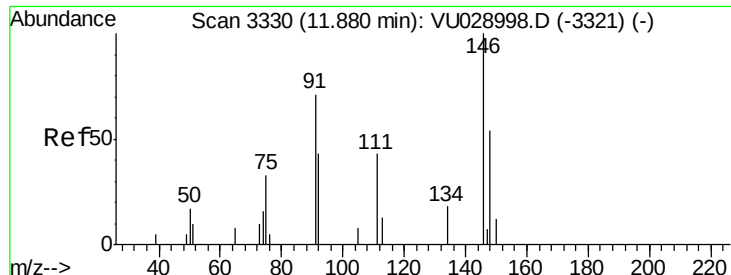
201 81.2 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)

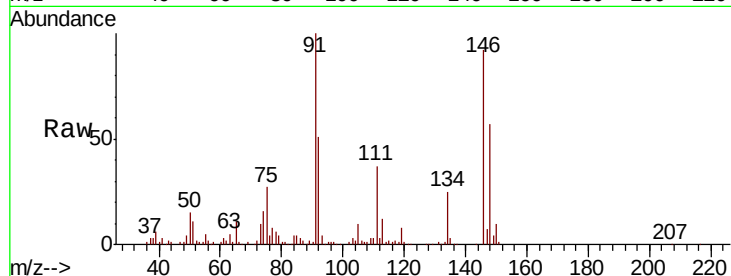




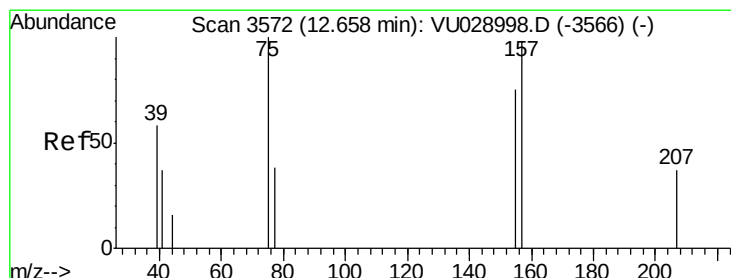
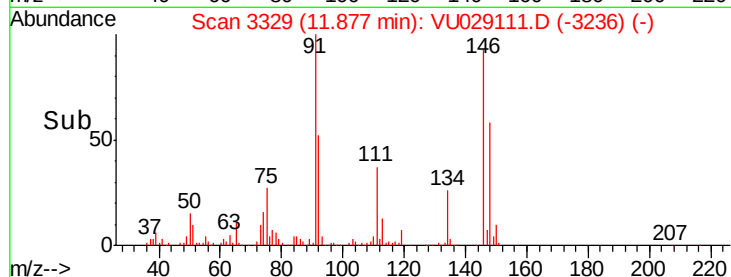
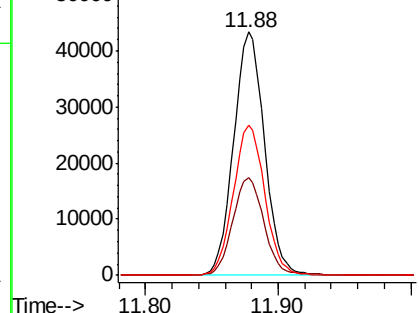
#91
 1,2-Dichlorobenzene
 Concen: 20.157 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

Tgt Ion:146 Resp: 70229
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 62.8 31.6 94.8

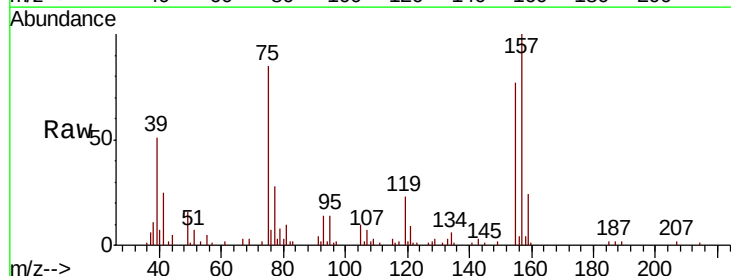


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

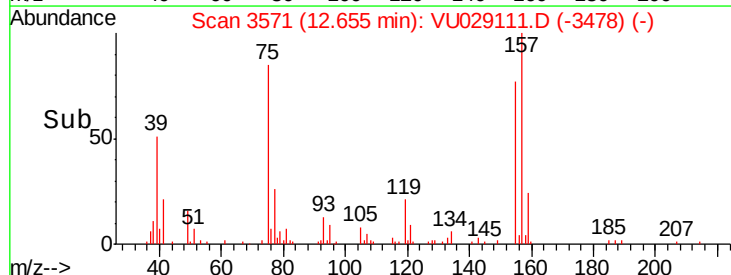
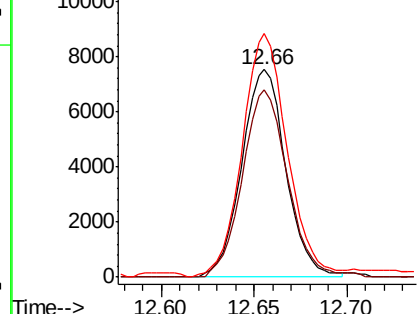


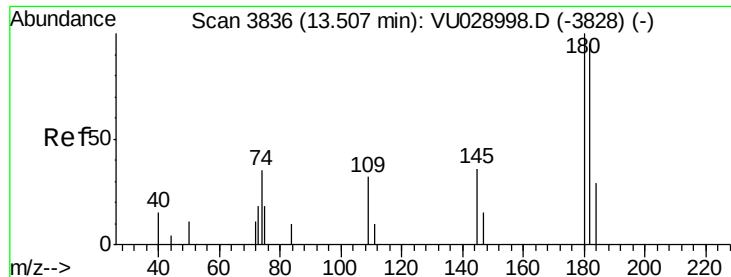
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.304 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion: 75 Resp: 12442
 Ion Ratio Lower Upper
 75 100
 155 92.5 46.3 138.8
 157 119.8 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

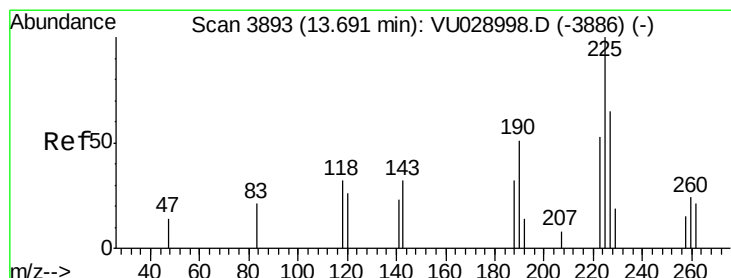
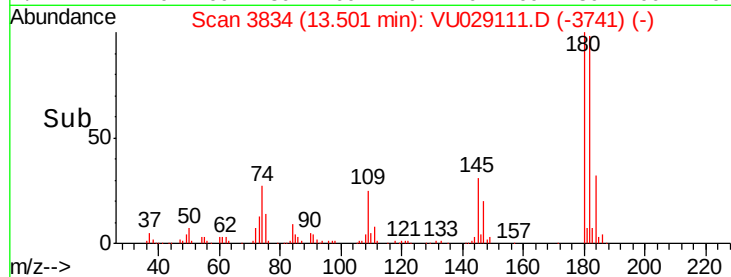
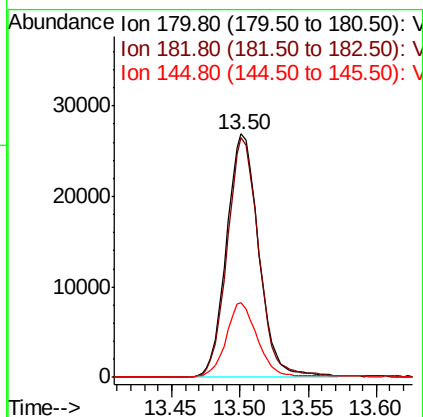
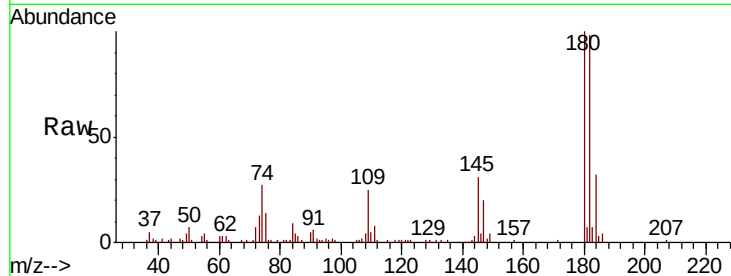




#93
 1,2,4-Trichlorobenzene
 Concen: 19.969 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

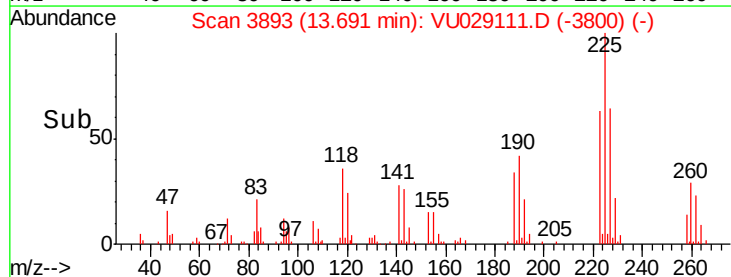
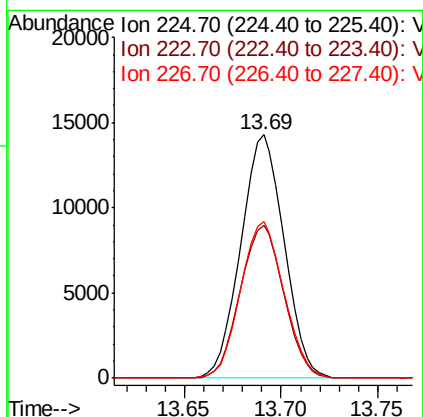
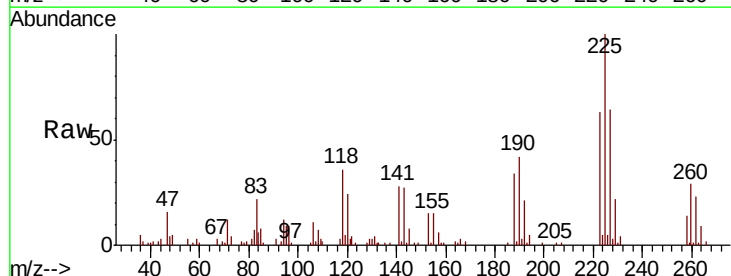
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110MBS01

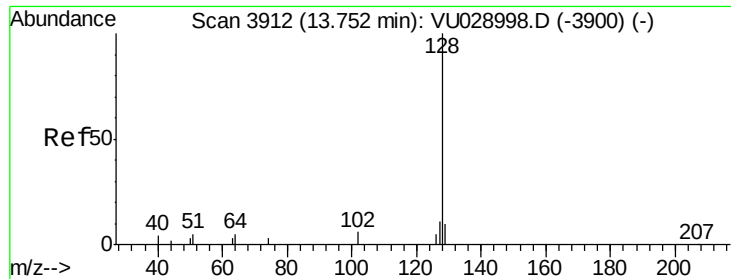
Tgt Ion:180 Resp: 44412
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.5 142.6
 145 29.8 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 21.873 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029111.D
 Acq: 10 Jan 2019 12:15

Tgt Ion:225 Resp: 22251
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.0
 227 64.2 31.9 95.5

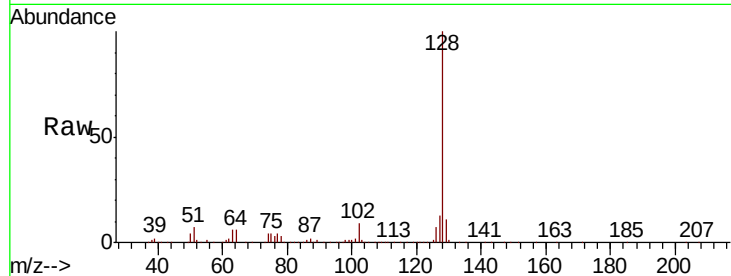




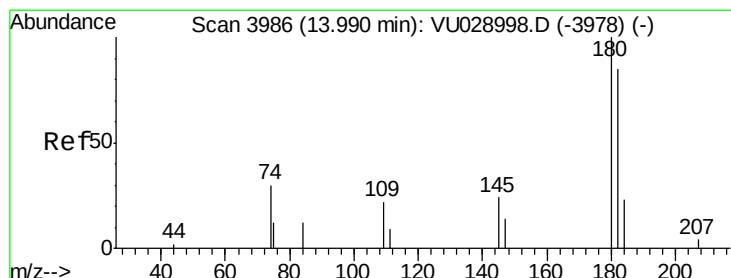
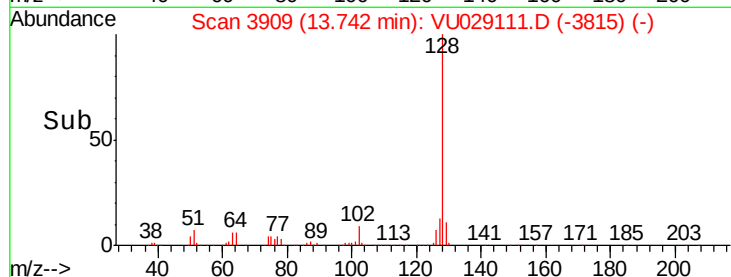
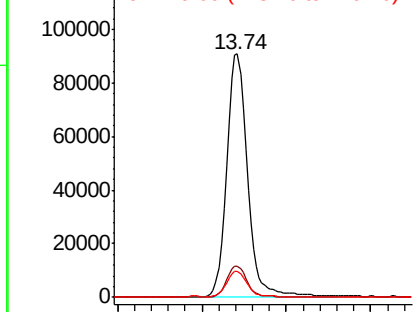
#95
Naphthalene
Concen: 20.731 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VU0110MBS01

Tgt Ion:128 Resp: 156846
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.3 8.5 12.7

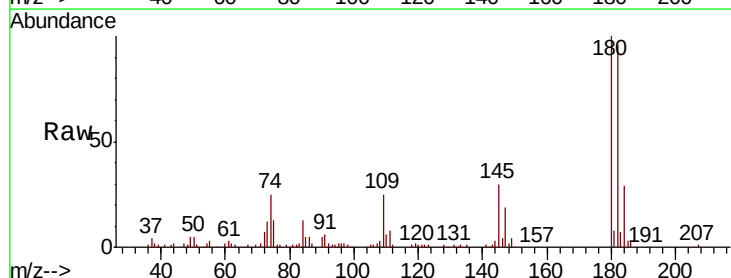


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.939 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029111.D
Acq: 10 Jan 2019 12:15

Tgt Ion:180 Resp: 46894
Ion Ratio Lower Upper
180 100
182 94.8 48.1 144.3
145 31.8 14.8 44.4



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

