

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028036.D
 Acq On : 09 Nov 2018 11:55
 Operator : MD/SY
 Sample : VU1109MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

Quant Time: Nov 12 06:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305749	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	134133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136619	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	4.88	113	100559	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	7.57	98	391026	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	10.31	95	142974	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35202	15.789	ug/l	99
3) Chloromethane	1.33	50	52800	19.582	ug/l	100
4) Vinyl Chloride	1.40	62	51951	19.412	ug/l	99
5) Bromomethane	1.63	94	26509	26.426	ug/l	93
6) Chloroethane	1.70	64	31223	20.245	ug/l	100
7) Trichlorofluoromethane	1.89	101	60602	19.597	ug/l	97
8) Diethyl Ether	2.11	74	28201	21.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38693	21.062	ug/l	97
10) Methyl Iodide	2.41	142	30557	23.060	ug/l	99
11) Tert butyl alcohol	2.82	59	67000	97.019	ug/l	100
12) 1,1-Dichloroethene	2.29	96	37151	20.203	ug/l	94
13) Acrolein	2.20	56	19719	72.810	ug/l	99
14) Allyl chloride	2.60	41	83606	18.603	ug/l	98
15) Acrylonitrile	2.94	53	175652	103.546	ug/l	99
16) Acetone	2.32	43	163199	100.834	ug/l	99
17) Carbon Disulfide	2.48	76	112906	18.784	ug/l	100
18) Methyl Acetate	2.62	43	89387	20.077	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	149262	20.128	ug/l	98
20) Methylene Chloride	2.71	84	46818	19.812	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	40131	18.910	ug/l	94
22) Diisopropyl ether	3.58	45	185944	20.040	ug/l	95
23) Vinyl Acetate	3.53	43	796887	99.931	ug/l	100
24) 1,1-Dichloroethane	3.45	63	91037	19.698	ug/l	98
25) 2-Butanone	4.26	43	257414	99.972	ug/l	99
26) 2,2-Dichloropropane	4.23	77	70599	20.355	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	48751	20.486	ug/l	98
28) Bromochloromethane	4.55	49	42114	19.437	ug/l	99
29) Tetrahydrofuran	4.64	42	164410	95.624	ug/l	99
30) Chloroform	4.68	83	82554	19.481	ug/l	94
31) Cyclohexane	5.00	56	89965	18.781	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	68939	20.437	ug/l	99
36) 1,1-Dichloropropene	5.14	75	61825	19.307	ug/l	99
37) Ethyl Acetate	4.38	43	91911	19.589	ug/l	99
38) Carbon Tetrachloride	5.14	117	54930	19.356	ug/l	97

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Quant Time: Nov 12 06:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	75488	19.545	ug/l	99
40) Benzene	5.39	78	195640	19.983	ug/l	98
41) Methacrylonitrile	4.55	41	51002	20.369	ug/l	97
42) 1,2-Dichloroethane	5.41	62	69760	20.046	ug/l	99
43) Isopropyl Acetate	5.55	43	144491	19.656	ug/l	99
44) Trichloroethene	6.19	130	42364	20.130	ug/l	95
45) 1,2-Dichloropropane	6.43	63	56329	19.950	ug/l	99
46) Dibromomethane	6.56	93	32875	20.256	ug/l	98
47) Bromodichloromethane	6.76	83	61363	19.620	ug/l	99
48) Methyl methacrylate	6.62	41	72284	20.066	ug/l	99
49) 1,4-Dioxane	6.61	88	25946	441.476	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	477896	97.348	ug/l	100
52) Toluene	7.64	92	114820	19.949	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	71531	19.148	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	79437	20.603	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	46966	20.057	ug/l	95
56) Ethyl methacrylate	8.02	69	81577	19.755	ug/l	99
57) 1,3-Dichloropropane	8.24	76	84542	19.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	211058	95.429	ug/l	100
59) 2-Hexanone	8.36	43	372352	98.067	ug/l	100
60) Dibromochloromethane	8.48	129	44159	19.928	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49174	19.763	ug/l	99
64) Tetrachloroethene	8.23	164	35756	19.583	ug/l	98
65) Chlorobenzene	9.12	112	116846	19.641	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	41133	20.243	ug/l	100
67) Ethyl Benzene	9.25	91	217355	19.849	ug/l	99
68) m/p-Xylenes	9.38	106	158151	39.804	ug/l	99
69) o-Xylene	9.78	106	77807	19.393	ug/l	98
70) Styrene	9.79	104	125464	19.571	ug/l	99
71) Bromoform	9.96	173	32263	18.945	ug/l #	99
73) Isopropylbenzene	10.17	105	207522	19.971	ug/l	99
74) N-amyl acetate	10.01	43	125856	20.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	82032	19.571	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	98711	26.905	ug/l	82
77) Bromobenzene	10.45	156	48406	20.316	ug/l	100
78) n-propylbenzene	10.59	91	249870	20.089	ug/l	98
79) 2-Chlorotoluene	10.66	91	148707	19.946	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	172870	20.083	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	98711	67.085	ug/l #	100
82) 4-Chlorotoluene	10.77	91	164444	19.429	ug/l	100
83) tert-Butylbenzene	11.10	119	168476	19.578	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	175548	20.253	ug/l	97
85) sec-Butylbenzene	11.32	105	209960	20.062	ug/l	100
86) p-Isopropyltoluene	11.48	119	174825	19.982	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	83904	19.063	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	83876	18.592	ug/l	96
89) n-Butylbenzene	11.89	91	157473	18.939	ug/l	100
90) Hexachloroethane	12.15	117	30791	19.768	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	87494	19.767	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16799	19.021	ug/l	99

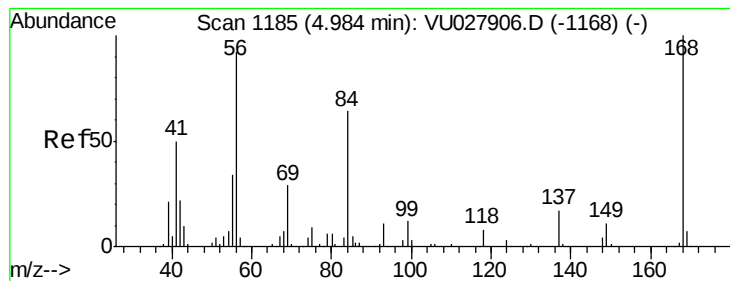
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110918\
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Quant Time: Nov 12 06:12:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	53446	17.666	ug/l	97
94) Hexachlorobutadiene	13.69	225	26933	19.145	ug/l	97
95) Naphthalene	13.74	128	197676	17.850	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	56553	19.040	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

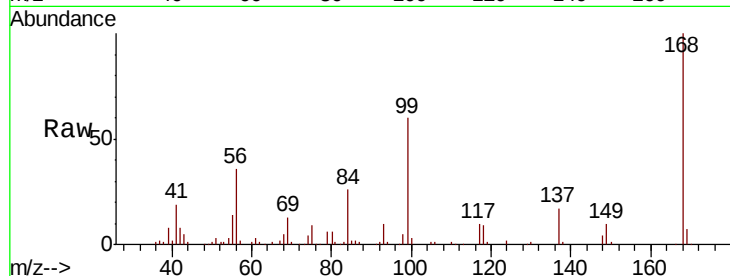
VU1109MBS01

Tot Ion:168 Resp: 175458

Ion Ratio Lower Upper

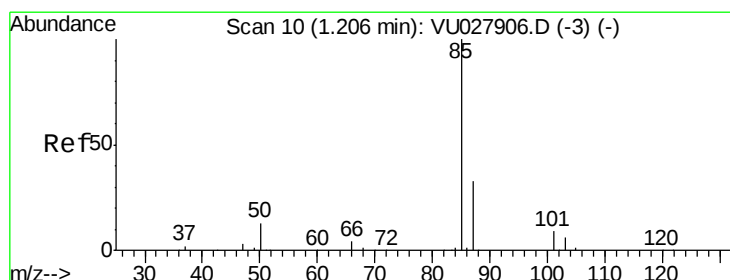
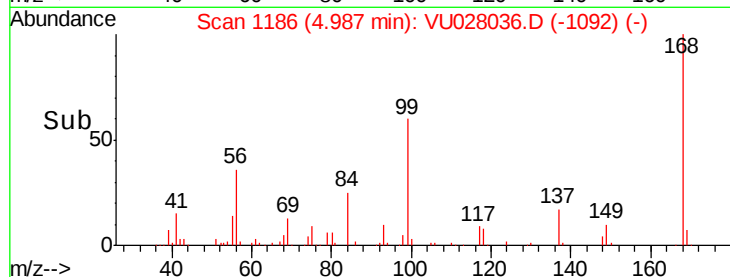
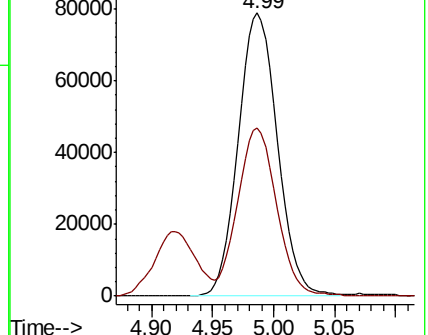
168 100

99 59.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028036.D (-1092) (-)



#2

Dichlorodifluoromethane

Concen: 15.789 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028036.D

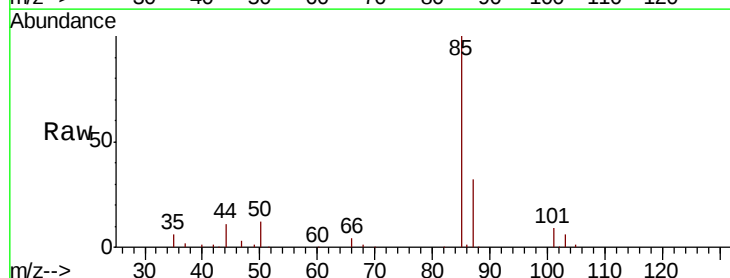
Acq: 09 Nov 2018 11:55

Tgt Ion: 85 Resp: 35202

Ion Ratio Lower Upper

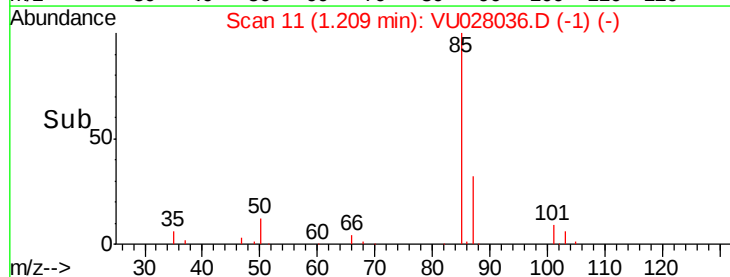
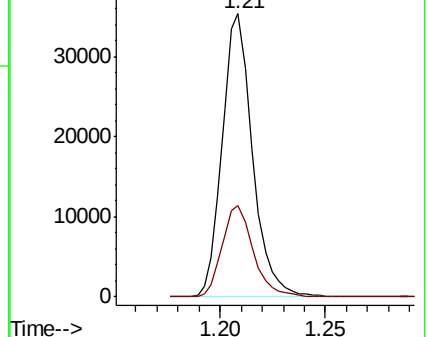
85 100

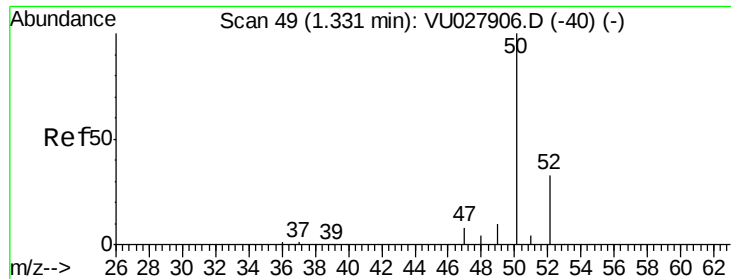
87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028036.D (-1) (-)





#3

Chloromethane

Concen: 19.582 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

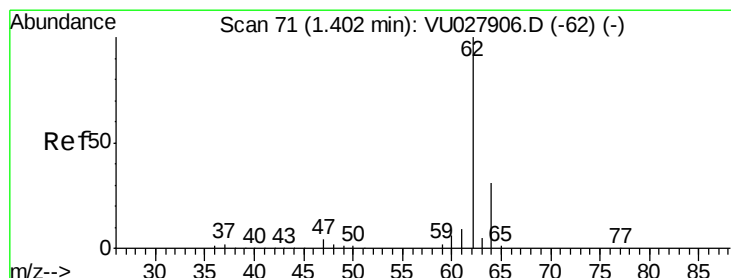
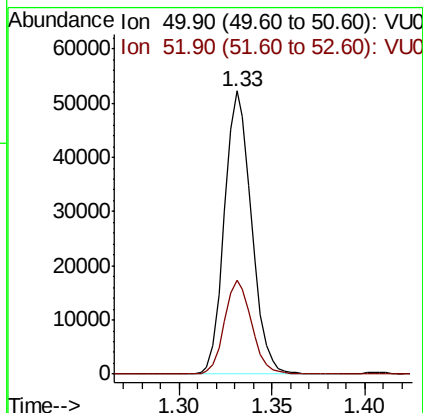
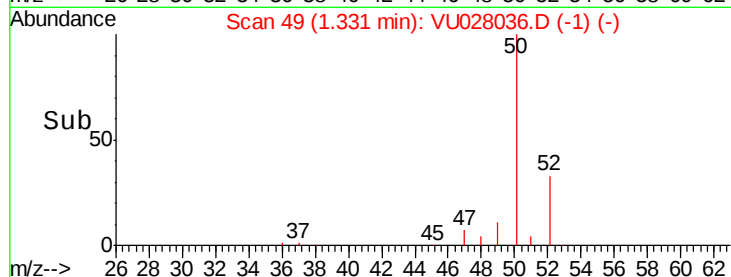
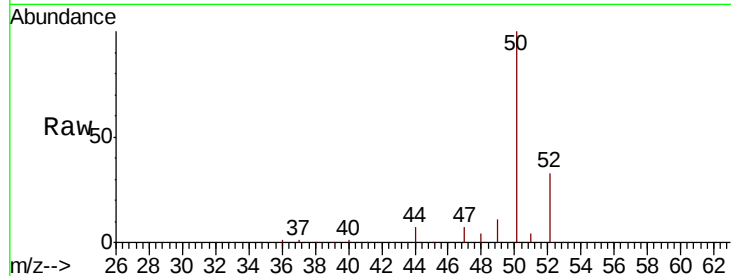
VU1109MBS01

Tot Ion: 50 Resp: 52800

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 19.412 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028036.D

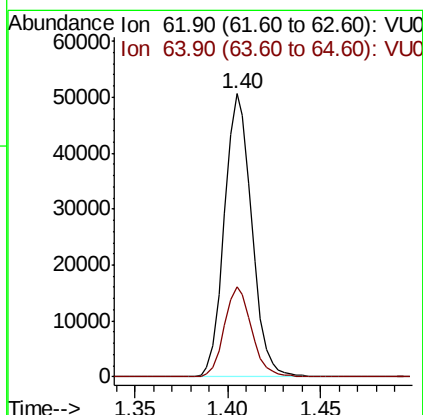
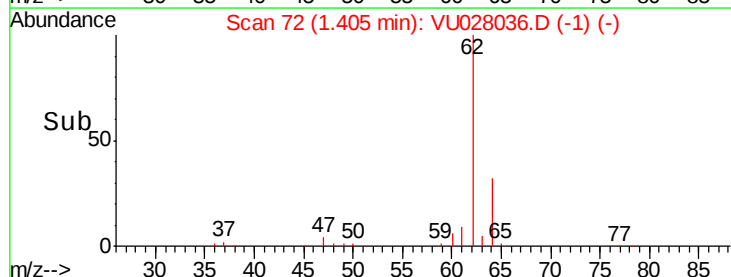
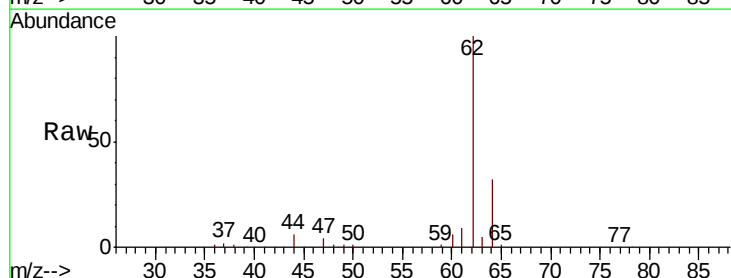
Acq: 09 Nov 2018 11:55

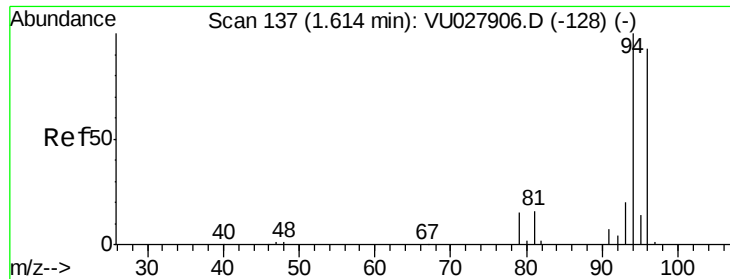
Tgt Ion: 62 Resp: 51951

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 26.426 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

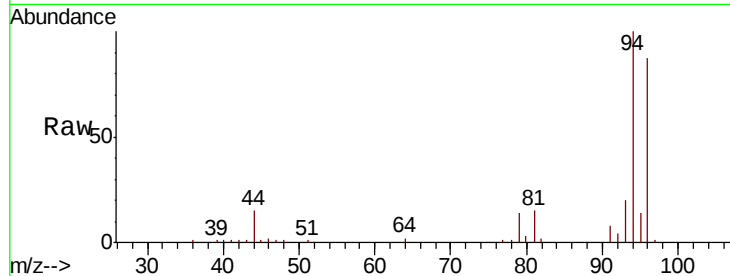
VU1109MBS01

Tot Ion: 94 Resp: 26509

Ion Ratio Lower Upper

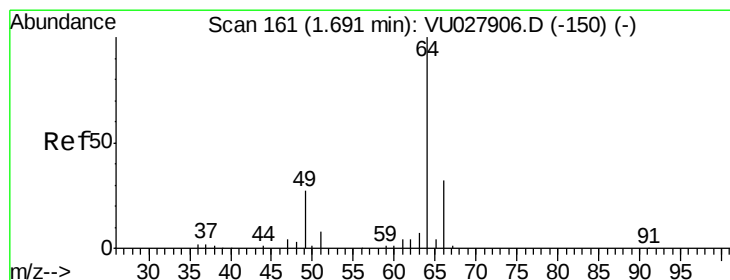
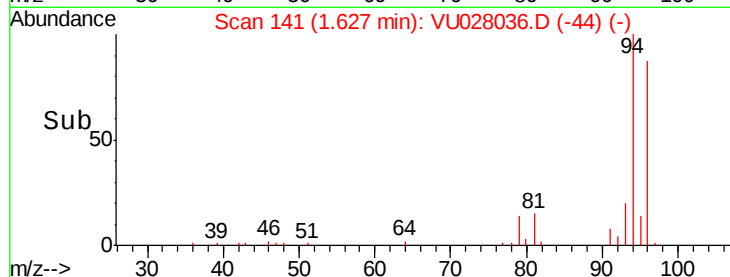
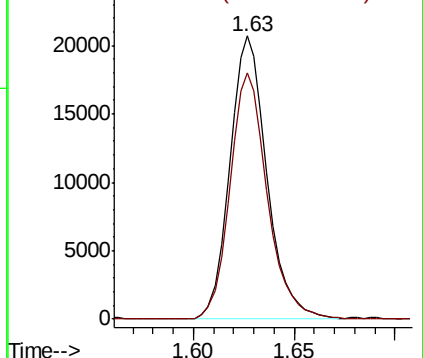
94 100

96 87.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.245 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028036.D

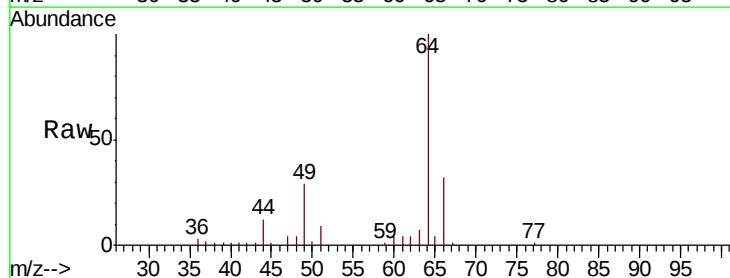
Acq: 09 Nov 2018 11:55

Tgt Ion: 64 Resp: 31223

Ion Ratio Lower Upper

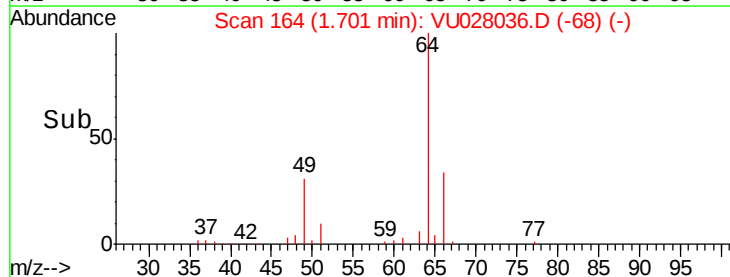
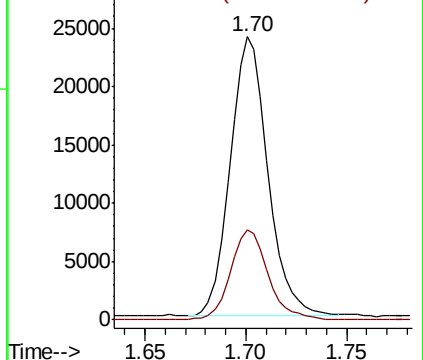
64 100

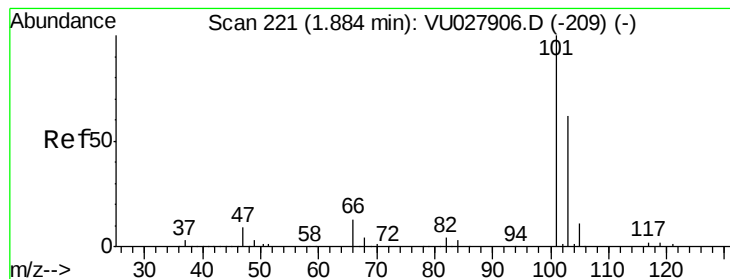
66 32.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



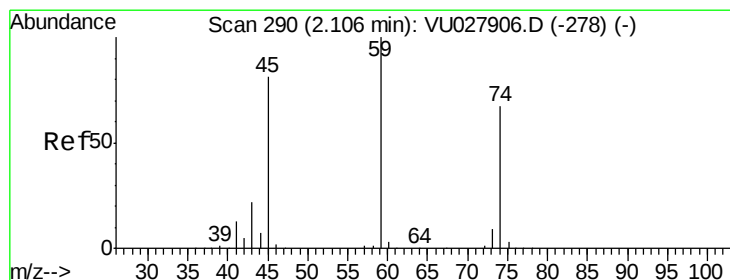
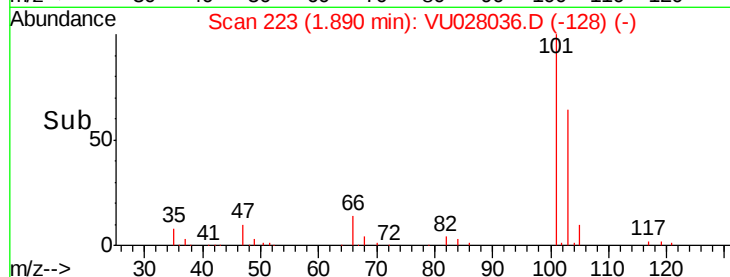
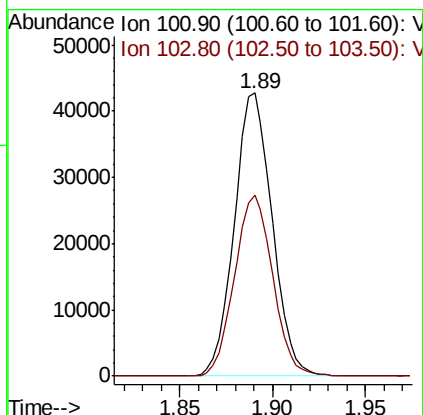
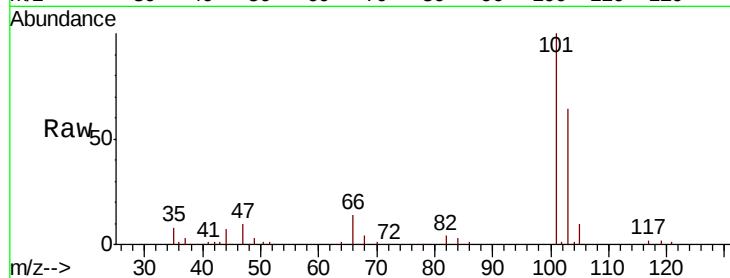


#7

Trichlorofluoromethane
 Concen: 19.597 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

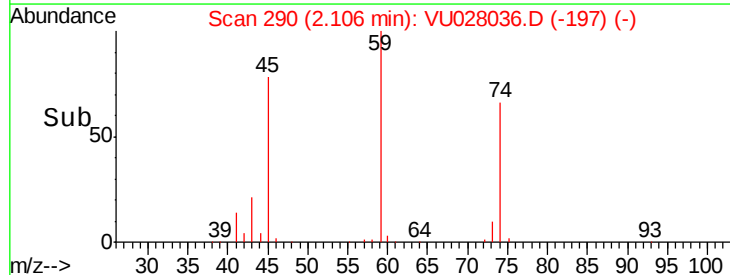
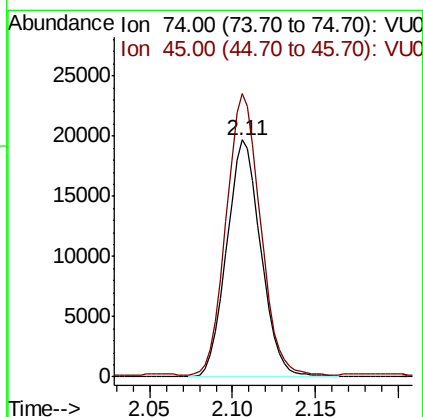
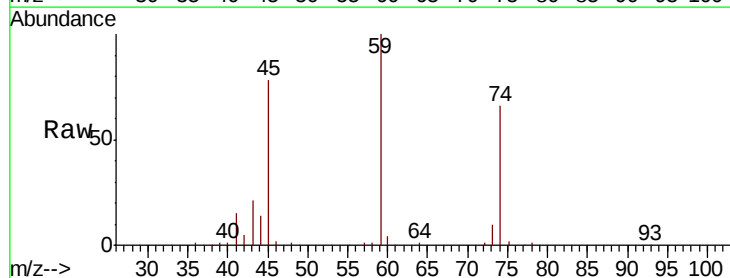
Tot Ion:101 Resp: 60602
 Ion Ratio Lower Upper
 101 100
 103 63.7 49.4 74.2

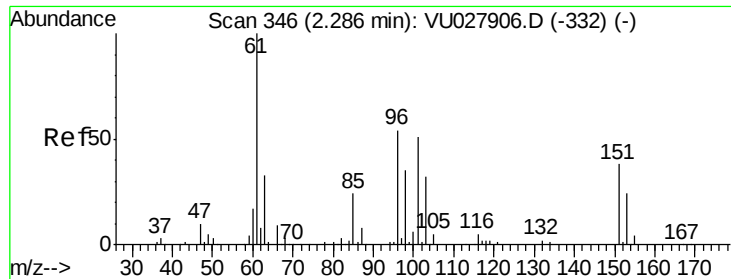


#8

Diethyl Ether
 Concen: 21.298 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion: 74 Resp: 28201
 Ion Ratio Lower Upper
 74 100
 45 118.4 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.062 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

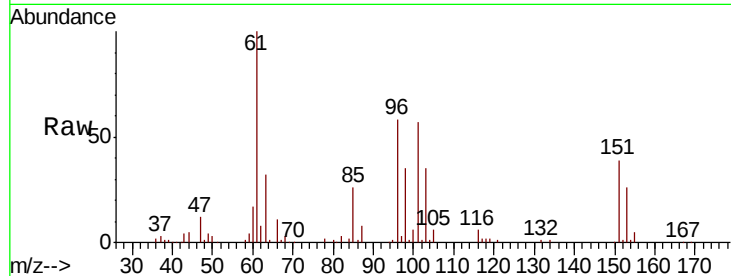
Tot Ion:101 Resp: 38693

Ion Ratio Lower Upper

101 100

85 45.0 36.9 55.3

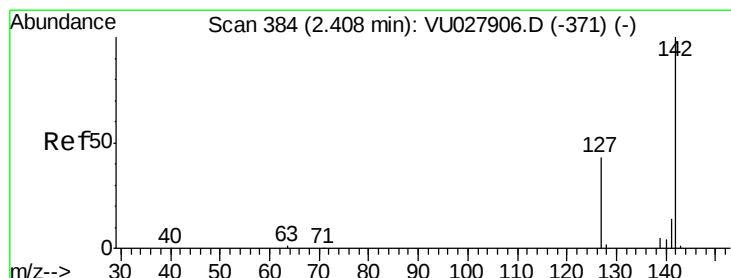
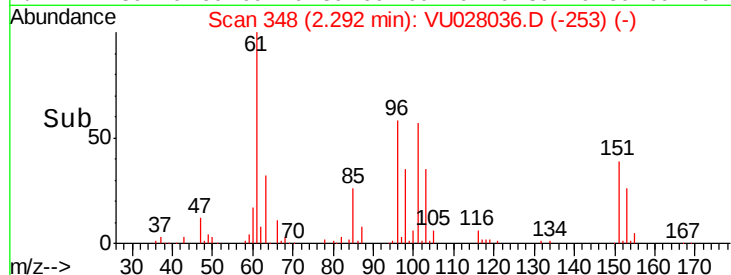
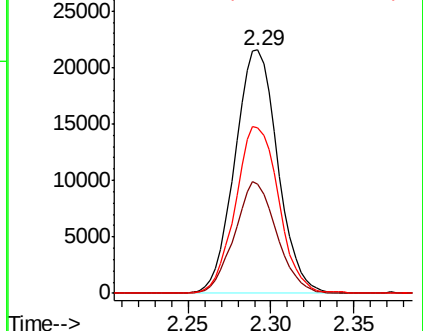
151 69.3 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.060 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

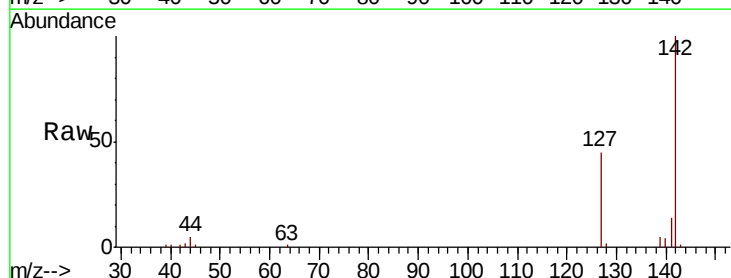
Tgt Ion:142 Resp: 30557

Ion Ratio Lower Upper

142 100

127 42.9 35.2 52.8

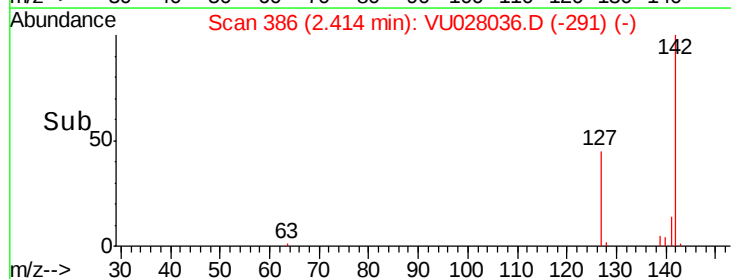
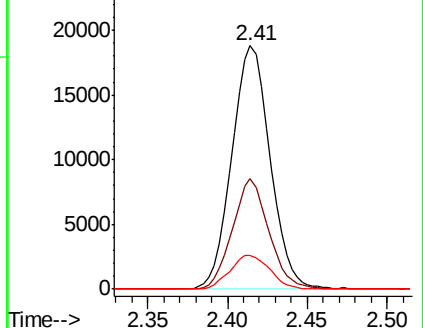
141 14.4 11.8 17.8

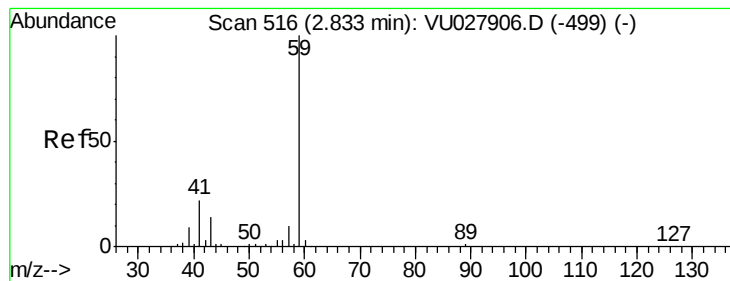


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



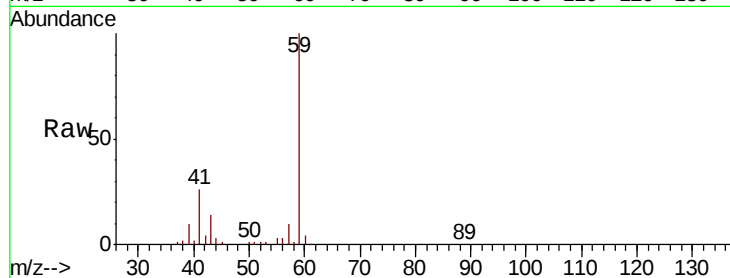


#11

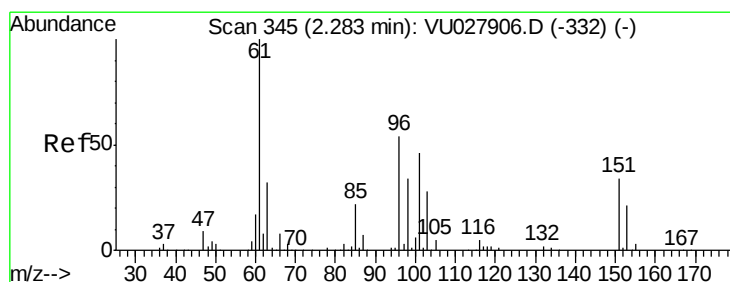
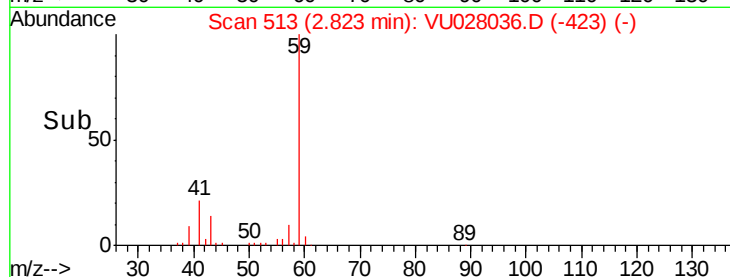
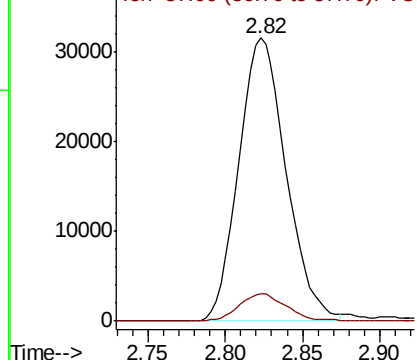
Tert butyl alcohol
Concen: 97.019 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion: 59 Resp: 67000
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.8



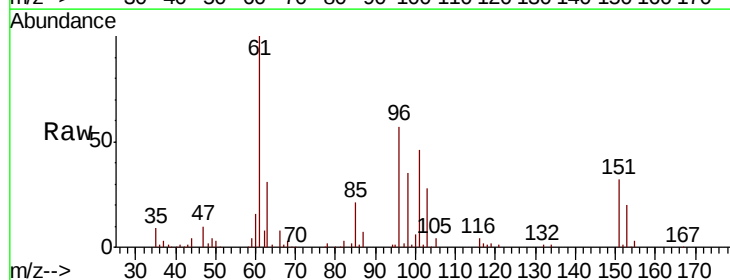
Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



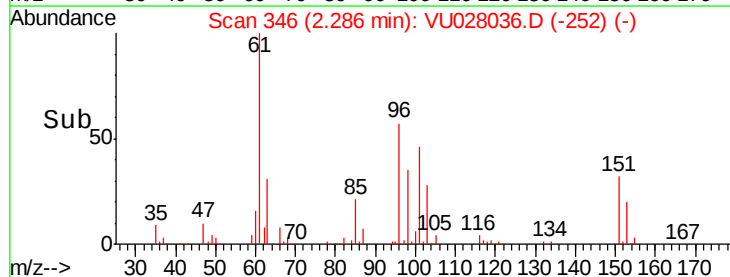
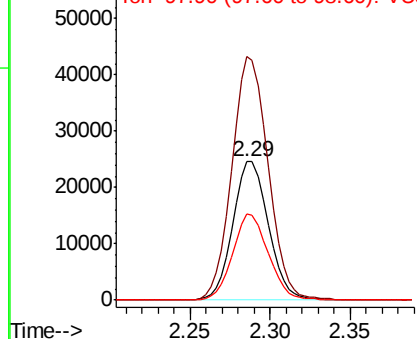
#12

1,1-Dichloroethene
Concen: 20.203 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 96 Resp: 37151
Ion Ratio Lower Upper
96 100
61 175.9 149.3 223.9
98 62.2 50.6 75.8



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





#13

Acrolein

Concen: 72.810 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

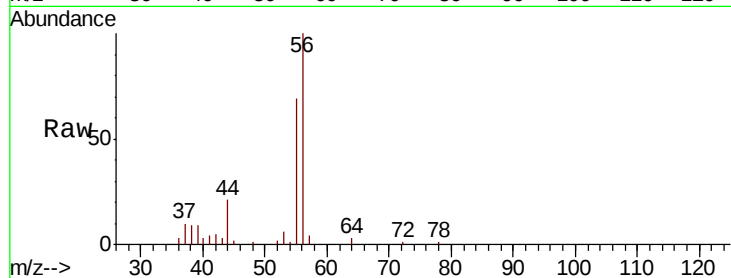
VU1109MBS01

Tot Ion: 56 Resp: 19719

Ion Ratio Lower Upper

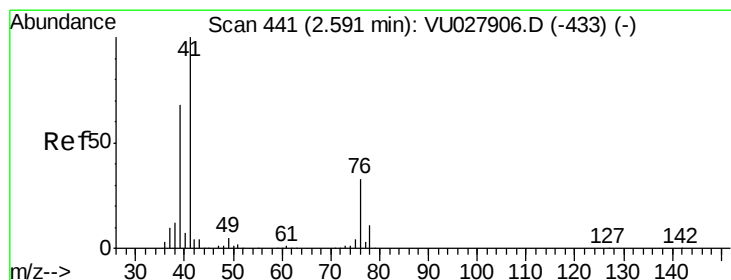
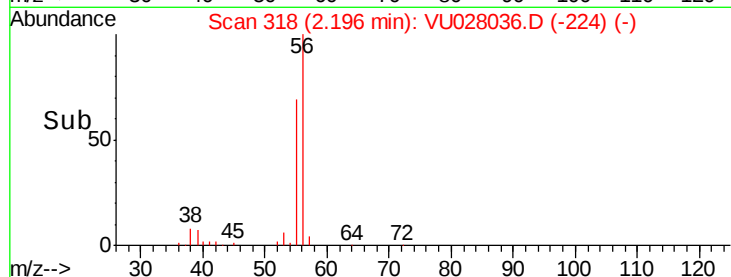
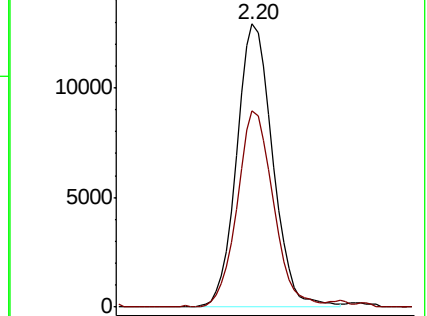
56 100

55 69.8 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028036.D (-224) (-)



#14

Allyl chloride

Concen: 18.603 ug/l

RT: 2.60 min Scan# 443

Delta R.T. 0.01 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

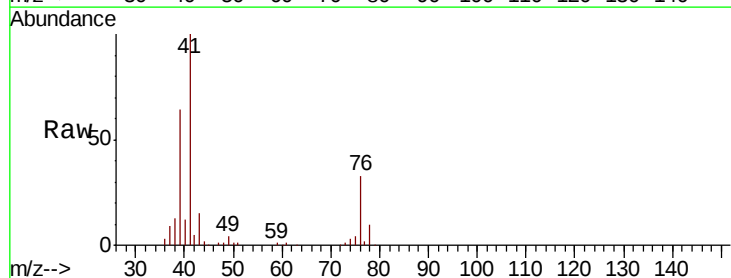
Tgt Ion: 41 Resp: 83606

Ion Ratio Lower Upper

41 100

39 63.5 51.9 77.9

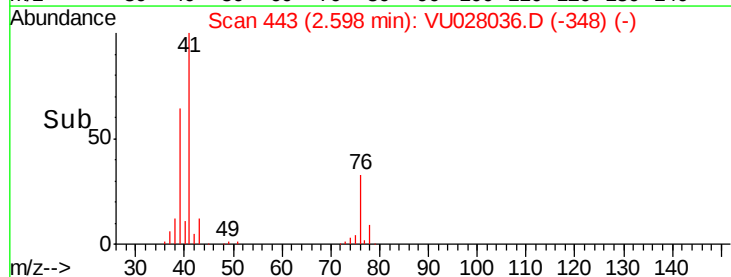
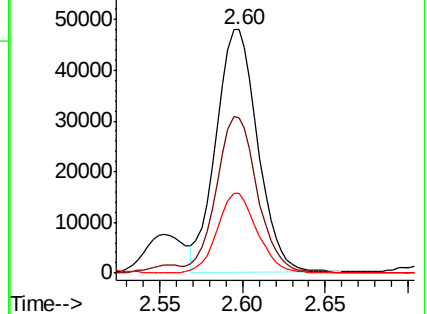
76 31.5 23.8 35.6

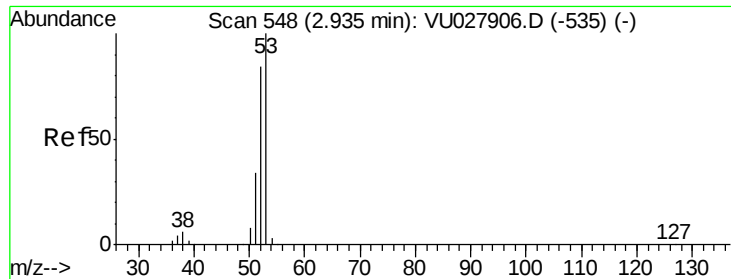


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU028036.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU028036.D (-348) (-)





#15

Acrylonitrile

Concen: 103.546 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

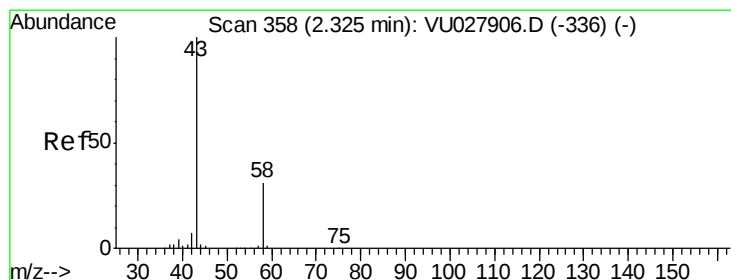
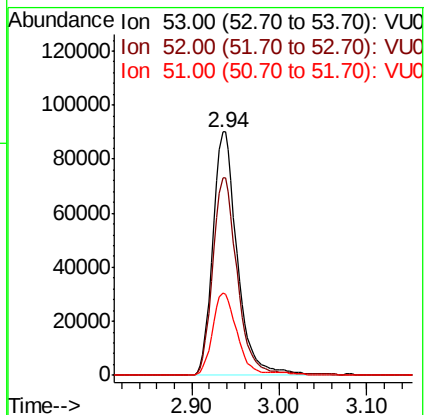
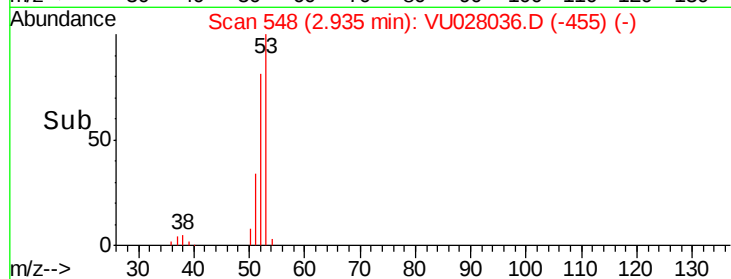
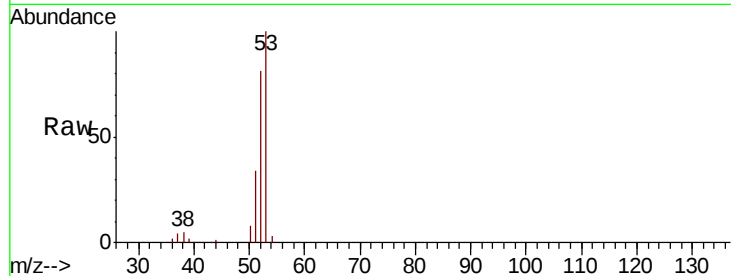
Tot Ion: 53 Resp: 175652

Ion Ratio Lower Upper

53 100

52 81.2 66.2 99.2

51 33.4 27.0 40.4



#16

Acetone

Concen: 100.834 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028036.D

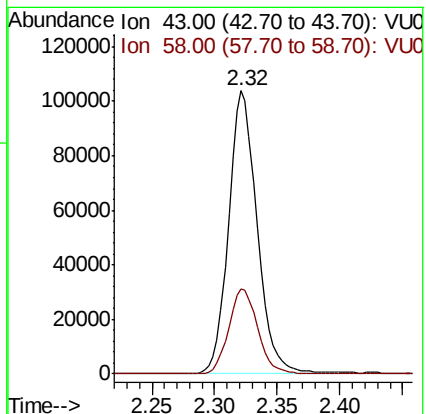
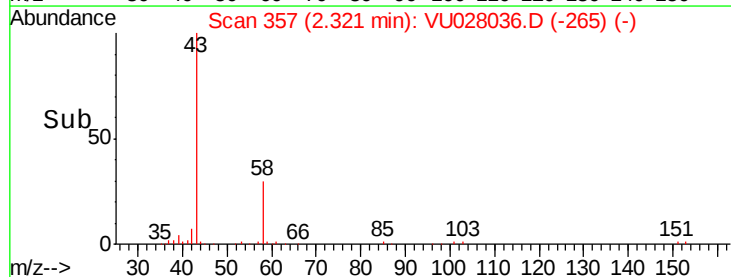
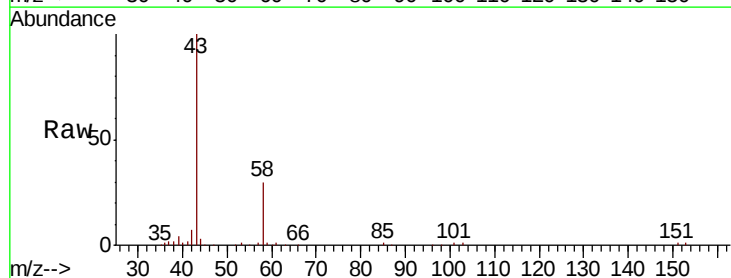
Acq: 09 Nov 2018 11:55

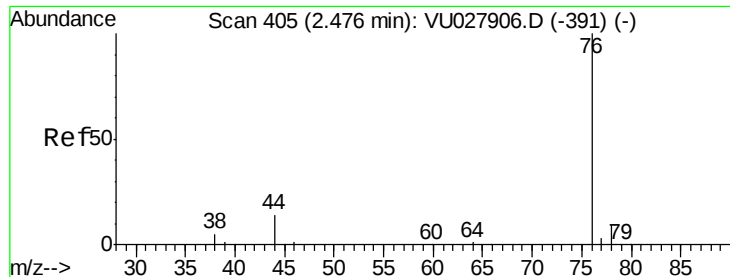
Tgt Ion: 43 Resp: 163199

Ion Ratio Lower Upper

43 100

58 30.2 24.6 37.0





#17

Carbon Disulfide

Concen: 18.784 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

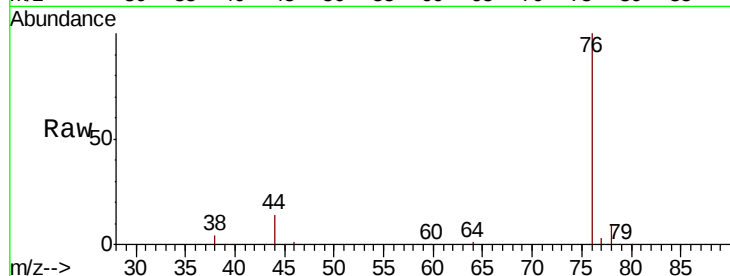
VU1109MBS01

Tot Ion: 76 Resp: 112906

Ion Ratio Lower Upper

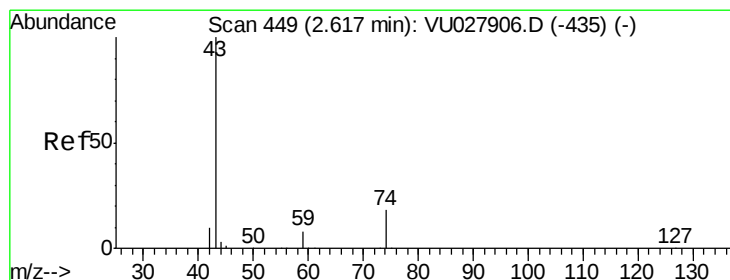
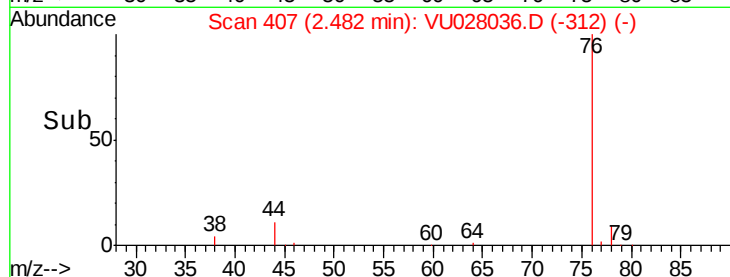
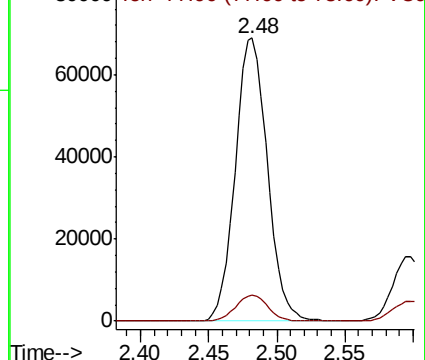
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU028036.D (-312) (-)



#18

Methyl Acetate

Concen: 20.077 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028036.D

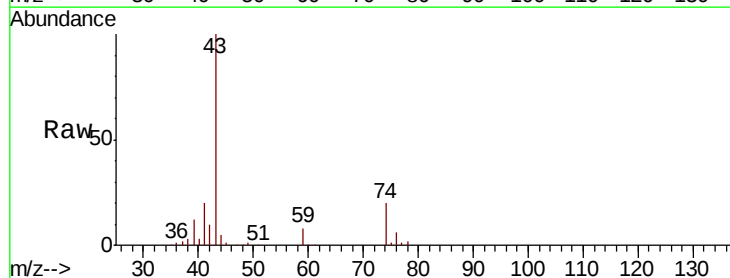
Acq: 09 Nov 2018 11:55

Tgt Ion: 43 Resp: 89387

Ion Ratio Lower Upper

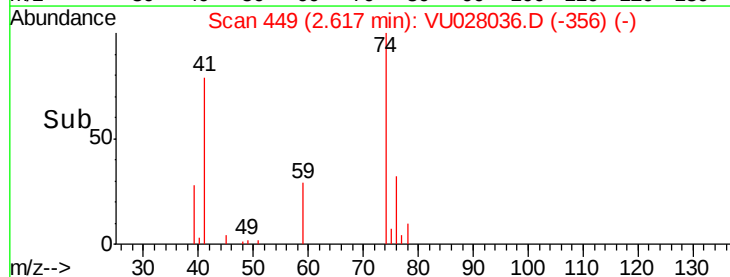
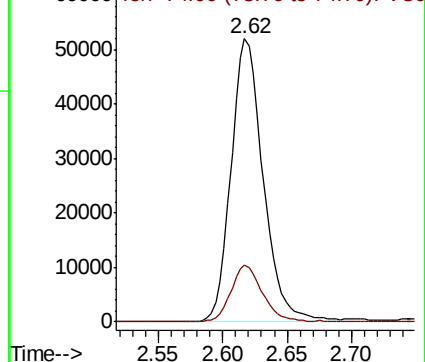
43 100

74 19.8 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028036.D (-356) (-)

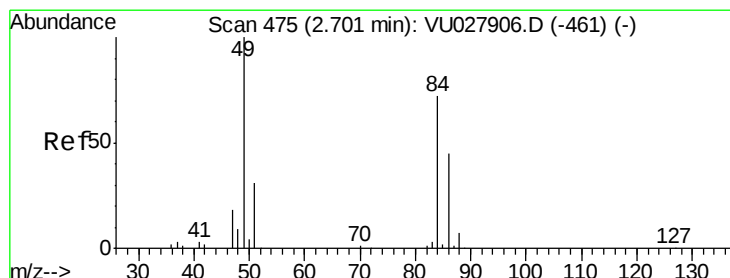
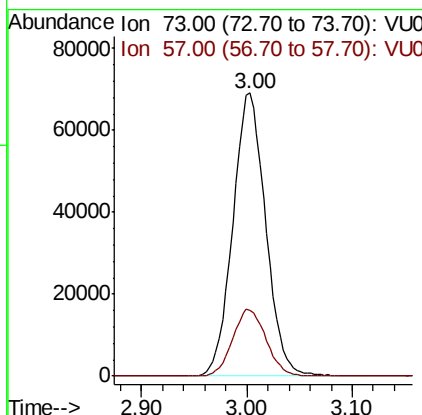
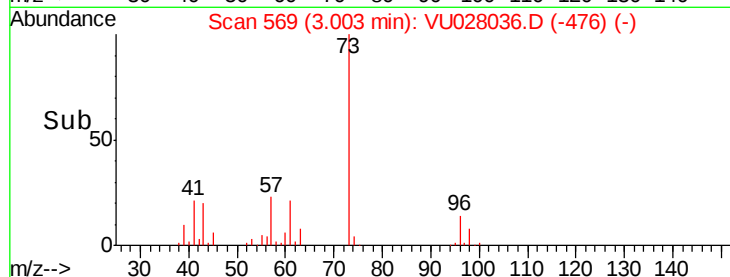
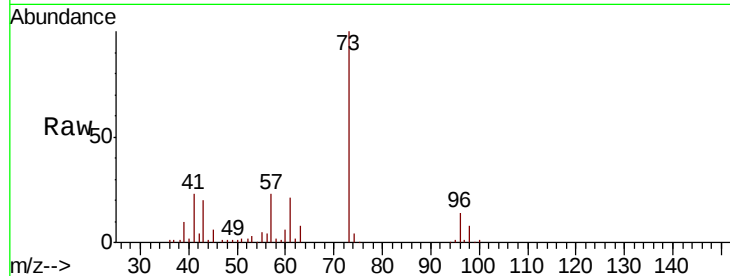




#19
Methvl tert-butvl Ether
Concen: 20.128 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

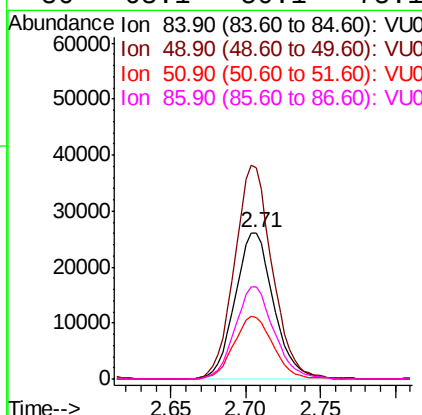
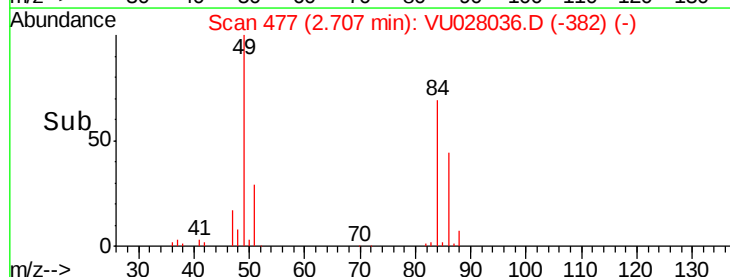
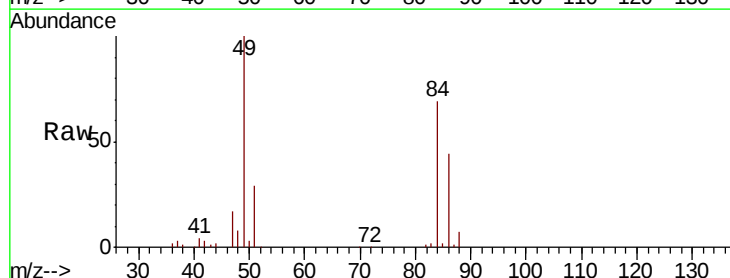
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

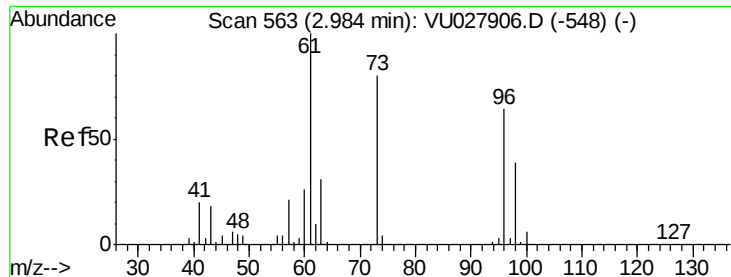
Tot Ion: 73 Resp: 149262
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9



#20
Methylene Chloride
Concen: 19.812 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 84 Resp: 46818
Ion Ratio Lower Upper
84 100
49 144.5 111.6 167.4
51 42.1 34.8 52.2
86 63.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.910 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

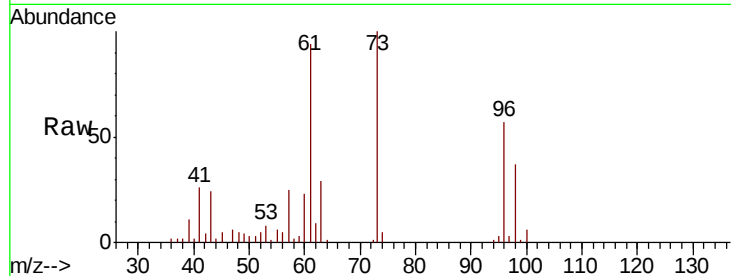
Tot Ion: 96 Resp: 40131

Ion Ratio Lower Upper

96 100

61 163.8 125.0 187.6

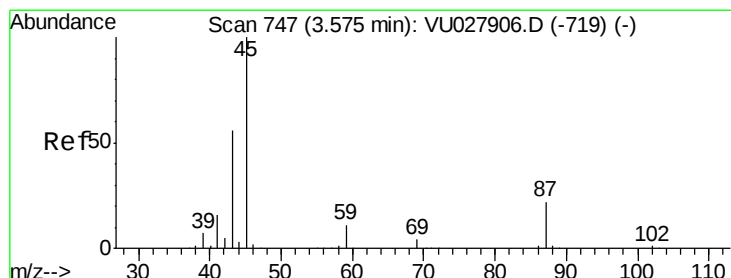
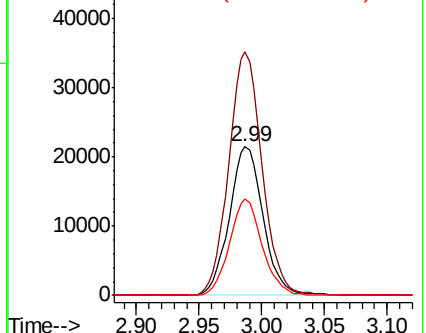
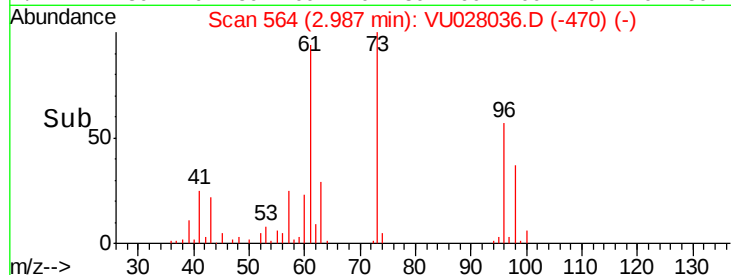
98 64.8 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU028036.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028036.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028036.D (-470) (-)



#22

Diisopropyl ether

Concen: 20.040 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Tgt Ion: 45 Resp: 185944

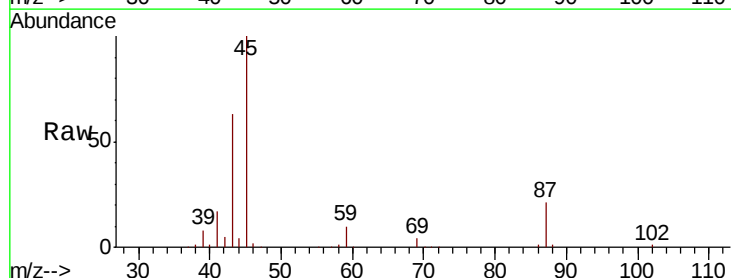
Ion Ratio Lower Upper

45 100

43 61.3 45.0 67.6

87 21.4 17.9 26.9

59 10.2 8.6 12.8

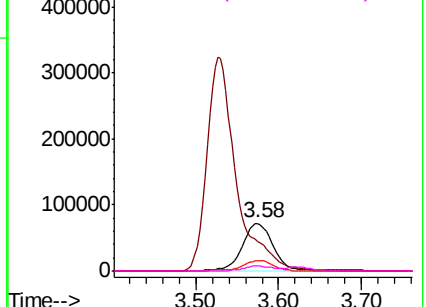
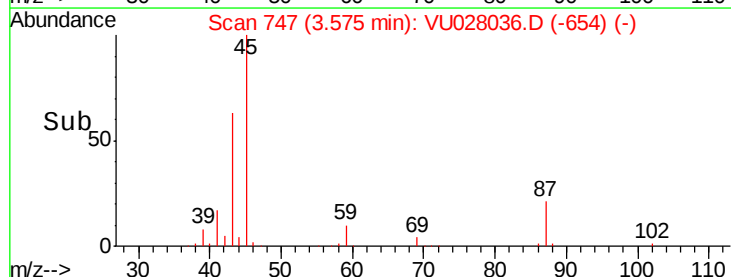


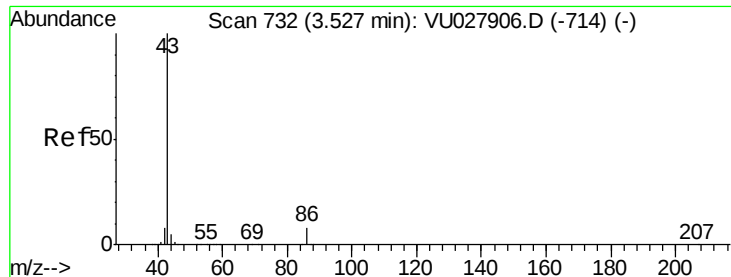
Abundance Ion 45.00 (44.70 to 45.70): VU028036.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU028036.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU028036.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU028036.D (-654) (-)





#23

Vinyl Acetate

Concen: 99.931 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

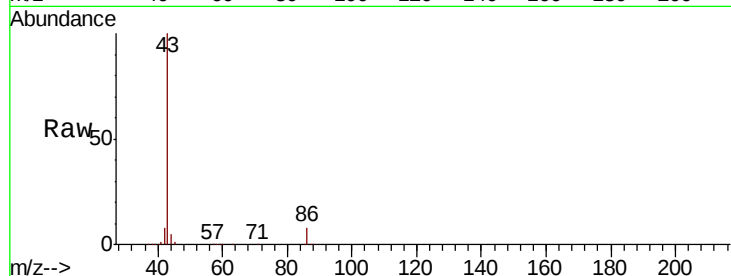
VU1109MBS01

Tot Ion: 43 Resp: 796887

Ion Ratio Lower Upper

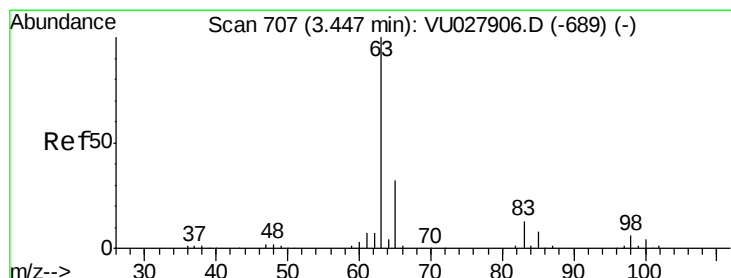
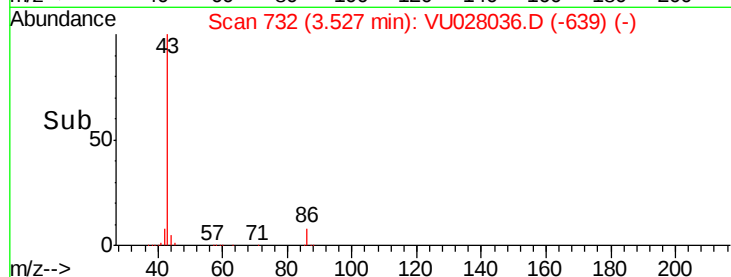
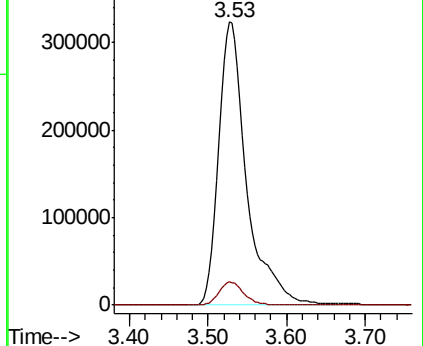
43 100

86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028036.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028036.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 19.698 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

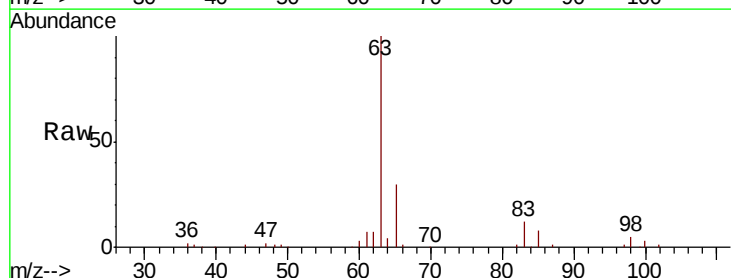
Tgt Ion: 63 Resp: 91037

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.6

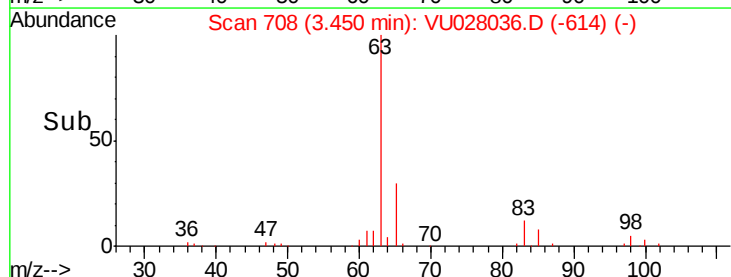
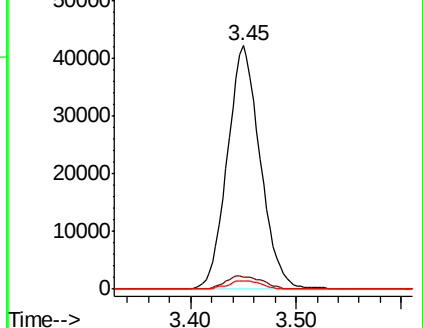
100 3.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028036.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028036.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028036.D (-614) (-)





#25

2-Butanone

Concen: 99.972 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

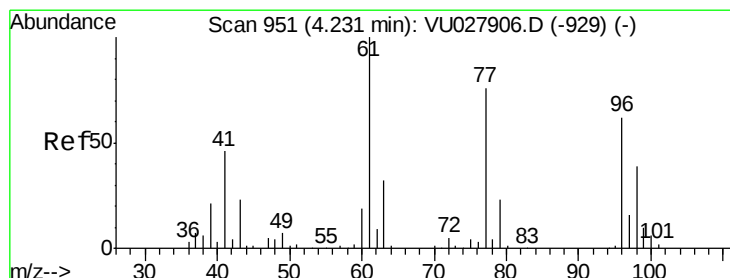
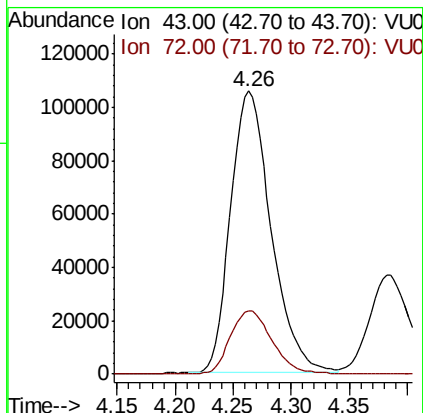
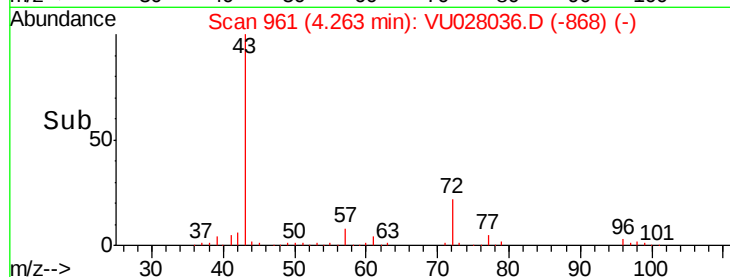
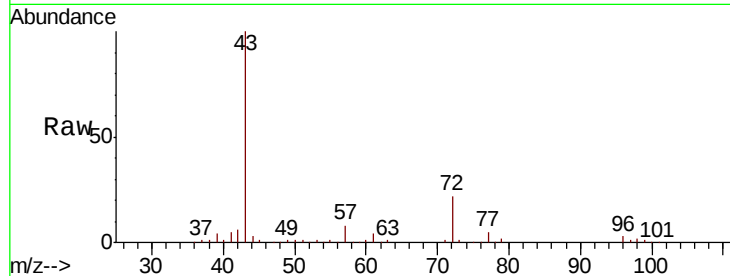
VU1109MBS01

Tot Ion: 43 Resp: 257414

Ion Ratio Lower Upper

43 100

72 22.4 17.7 26.5



#26

2,2-Dichloropropane

Concen: 20.355 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028036.D

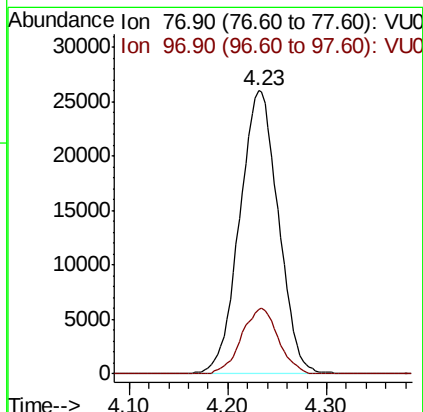
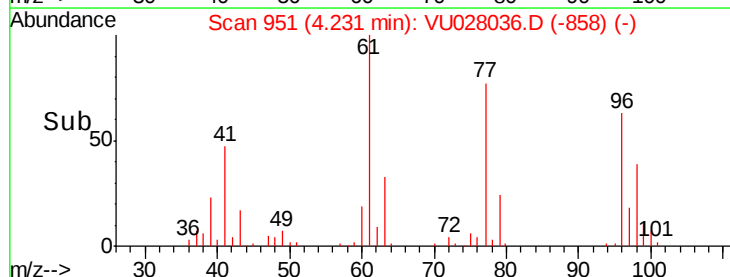
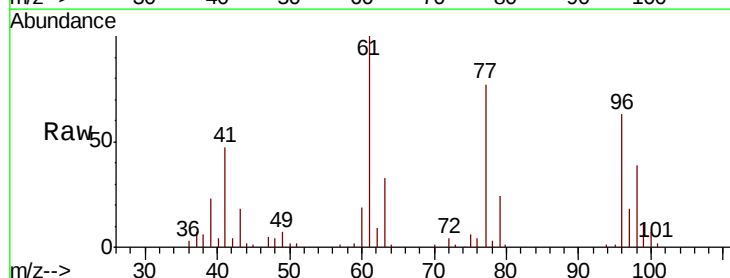
Acq: 09 Nov 2018 11:55

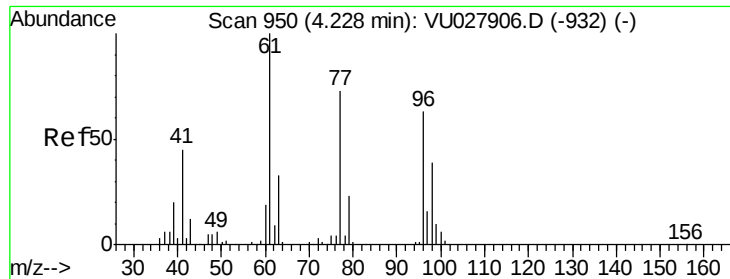
Tgt Ion: 77 Resp: 70599

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5



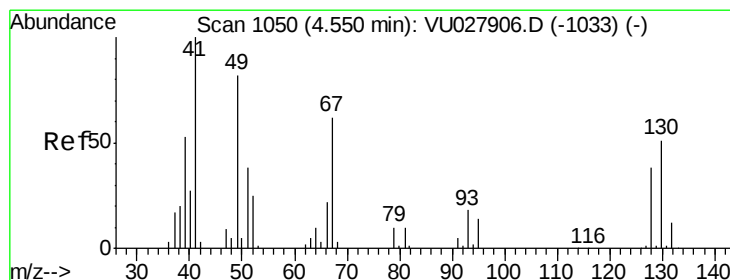
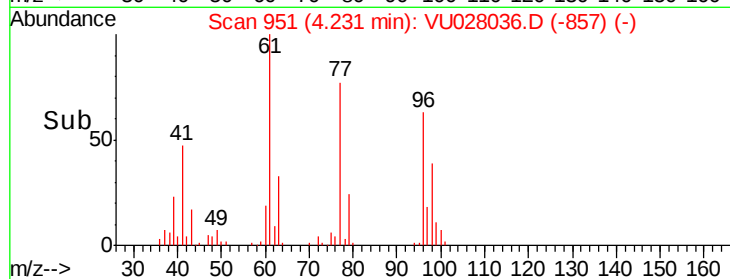
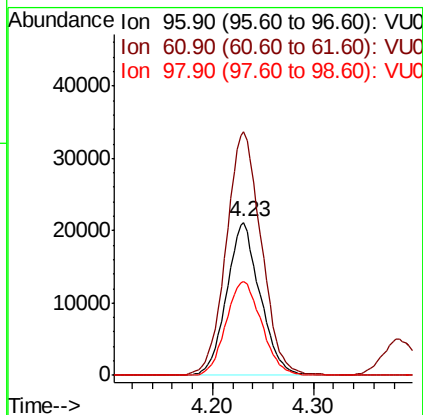
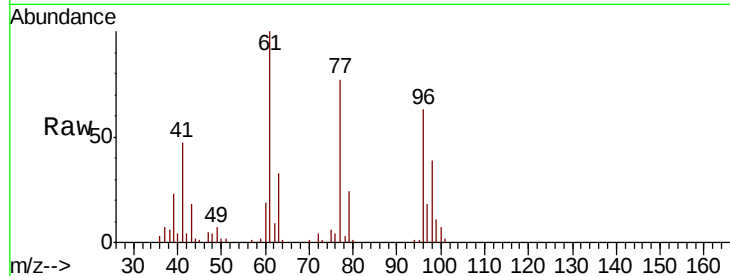


#27

cis-1,2-Dichloroethene
 Concen: 20.486 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

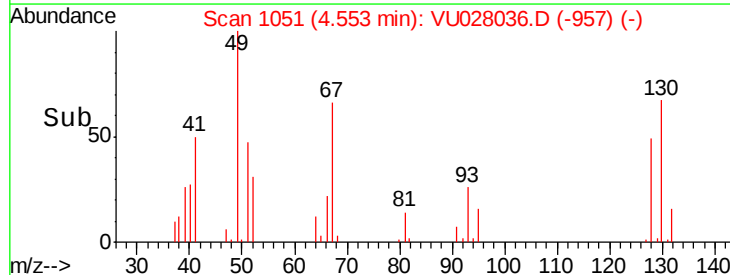
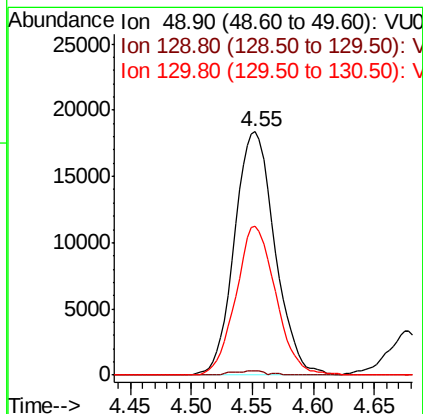
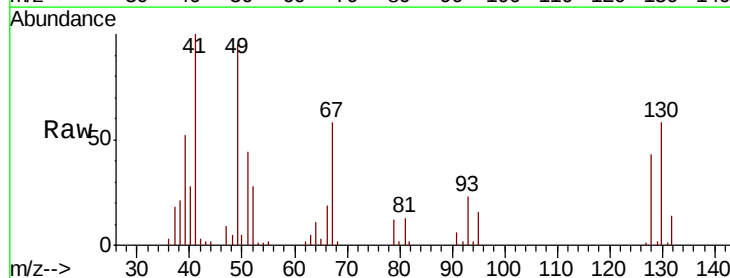
Tot Ion	96	Resp	48751
Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	329.6
98	65.3	0.0	127.2

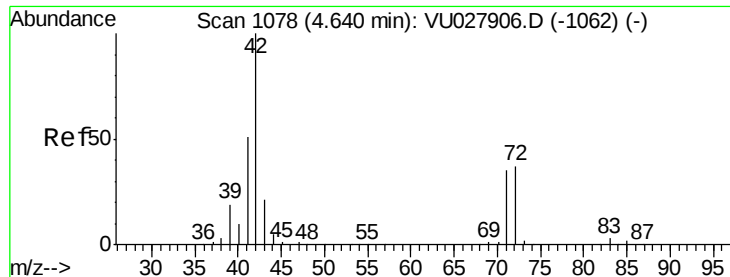


#28

Bromochloromethane
 Concen: 19.437 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion	49	Resp	42114
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	60.5	47.8	71.6

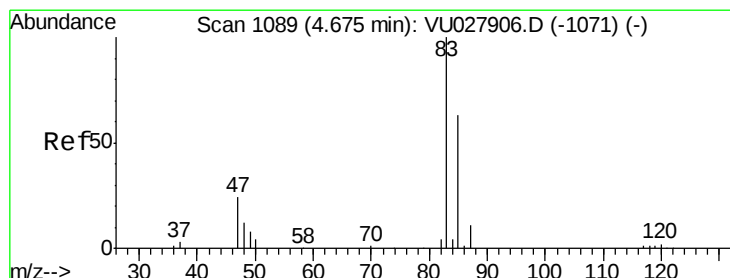
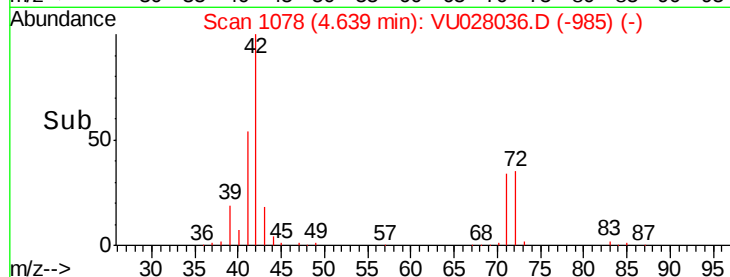
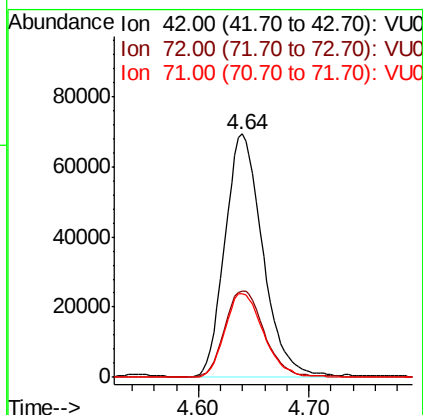
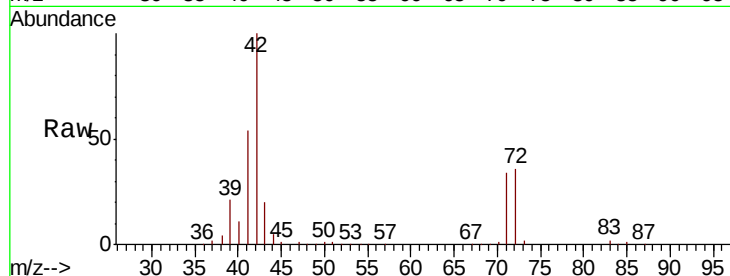




#29
Tetrahydrofuran
Concen: 95.624 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

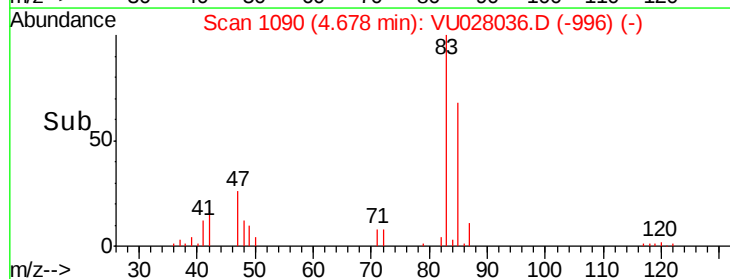
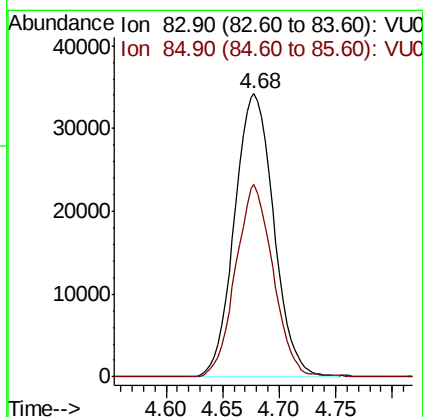
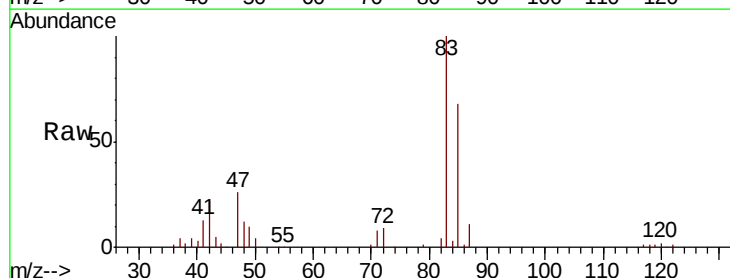
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

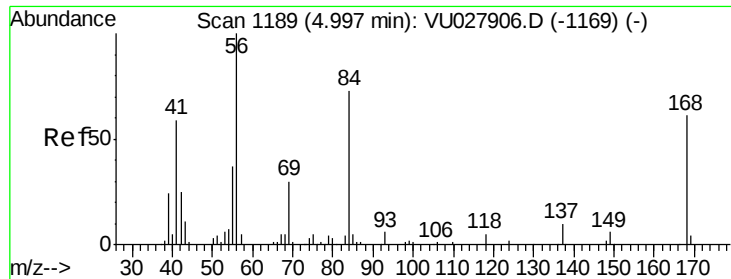
Tot Ion: 42 Resp: 164410
Ion Ratio Lower Upper
42 100
72 37.7 29.4 44.0
71 35.6 27.9 41.9



#30
Chloroform
Concen: 19.481 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 83 Resp: 82554
Ion Ratio Lower Upper
83 100
85 67.9 50.6 76.0

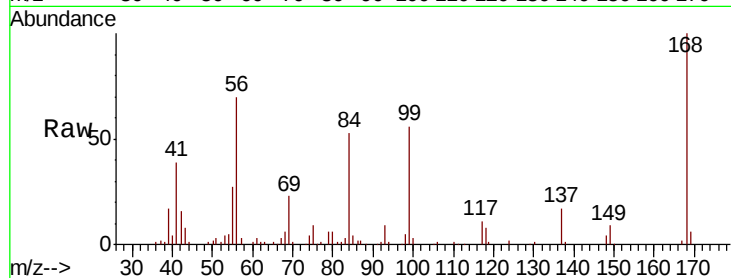




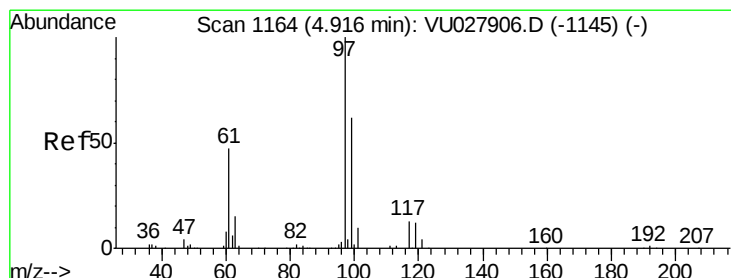
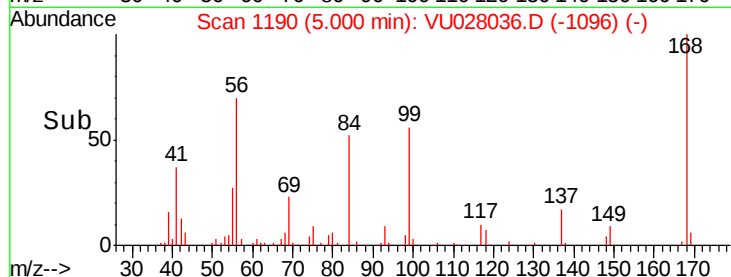
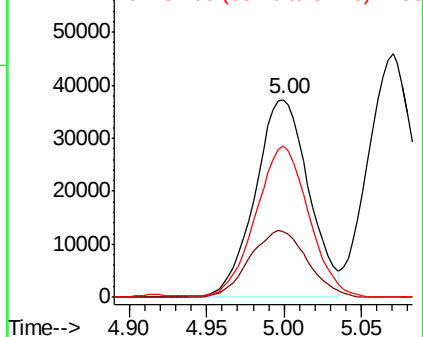
#31
Cyclohexane
Concen: 18.781 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion: 56 Resp: 89965
Ion Ratio Lower Upper
56 100
69 33.5 23.7 35.5
84 75.9 58.2 87.4

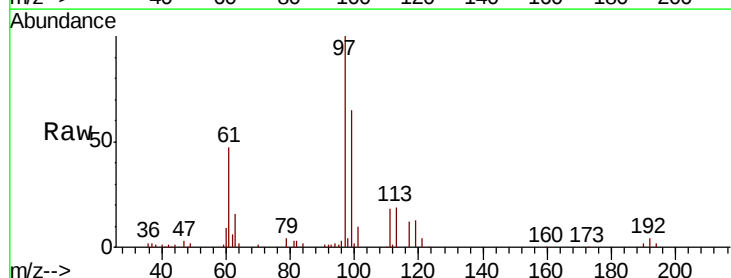


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

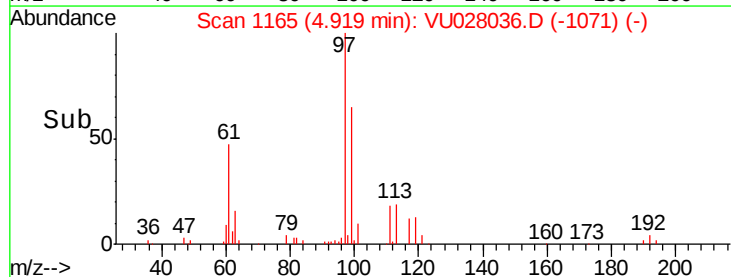
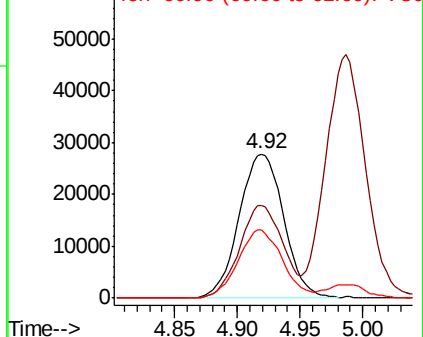


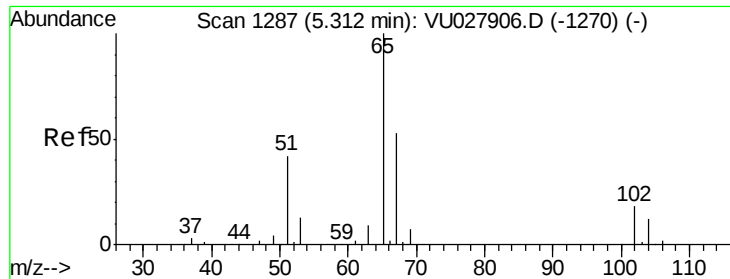
#32
1,1,1-Trichloroethane
Concen: 20.437 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 97 Resp: 68939
Ion Ratio Lower Upper
97 100
99 62.7 50.5 75.7
61 46.9 38.3 57.5



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

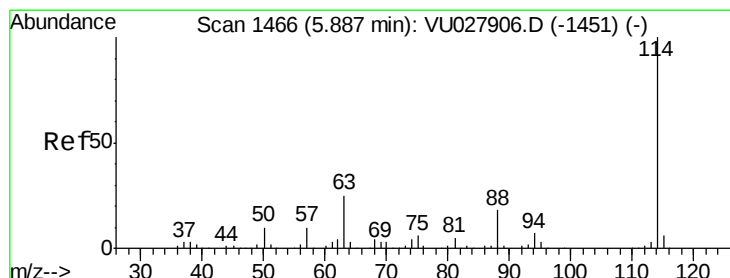
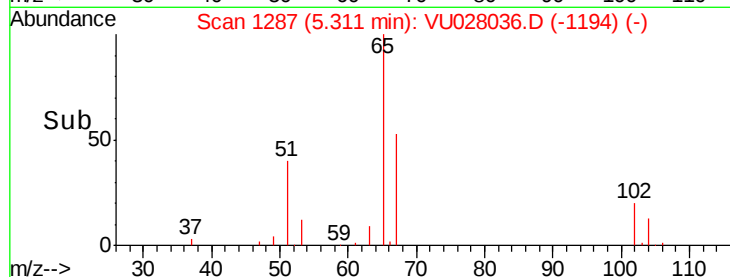
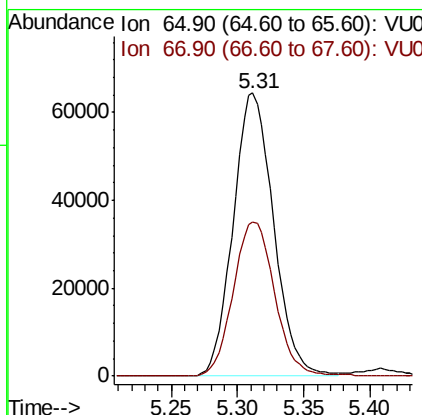
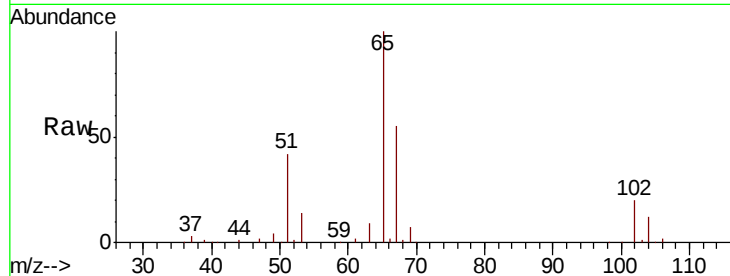




#33
 1,2-Dichloroethane-d4
 Concen: 52.372 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

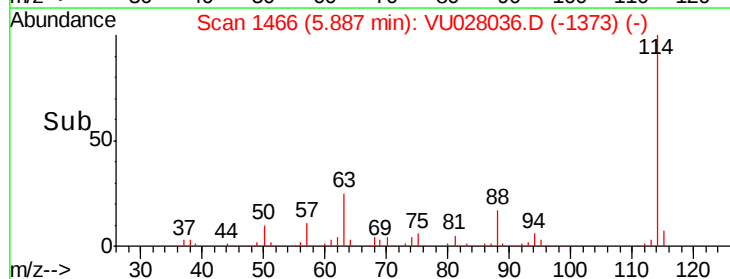
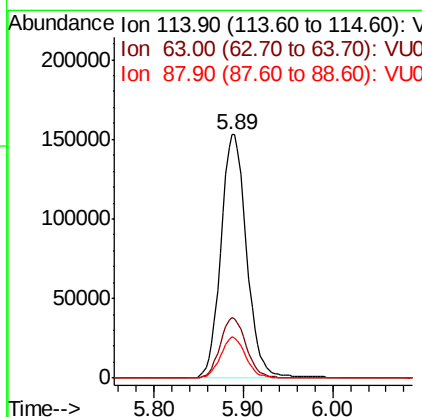
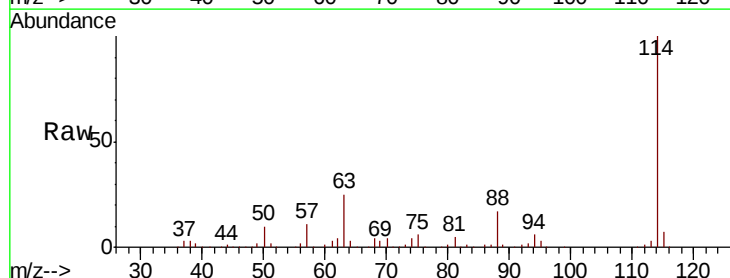
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

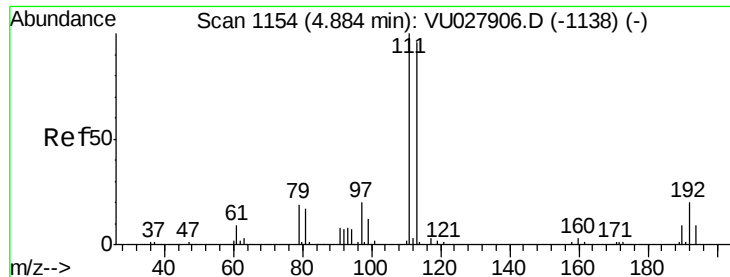
Tot Ion: 65 Resp: 136619
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion: 114 Resp: 305749
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.8
 88 16.8 0.0 35.8

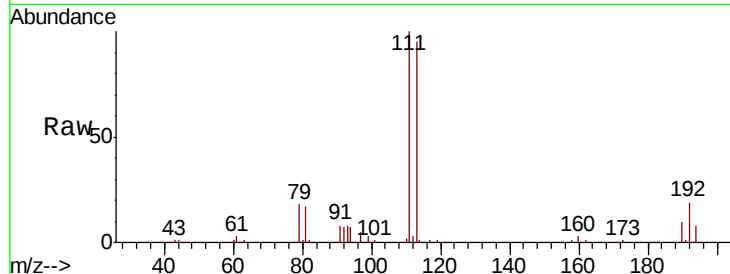




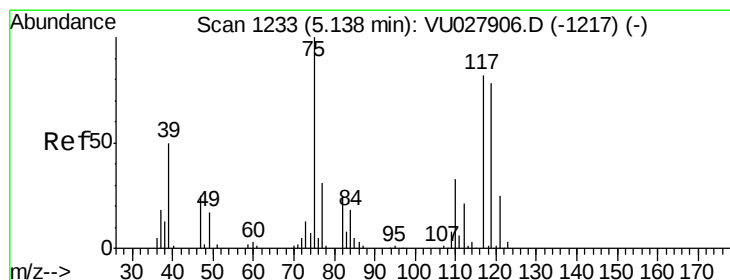
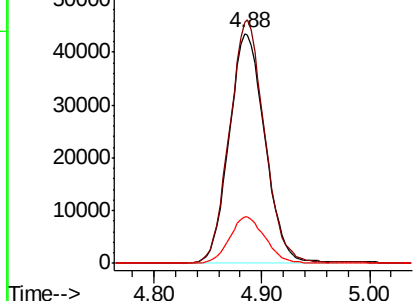
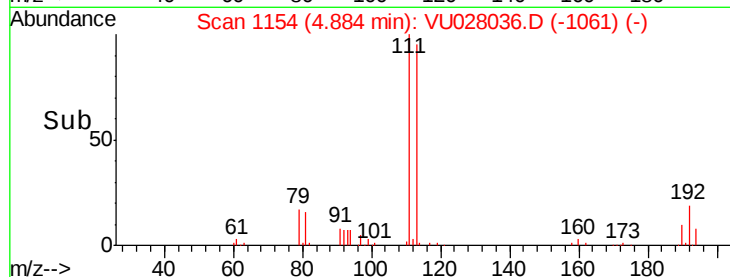
#35
 Dibromofluoromethane
 Concen: 52.163 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.6
192	19.9	15.6	23.4

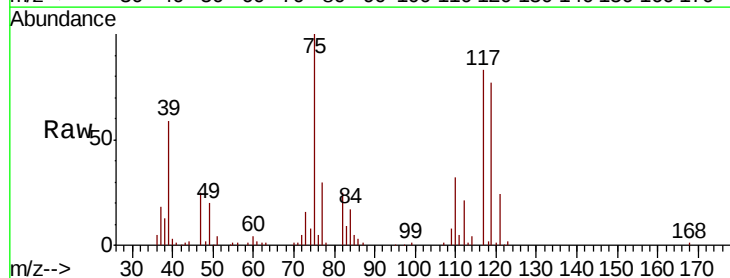


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

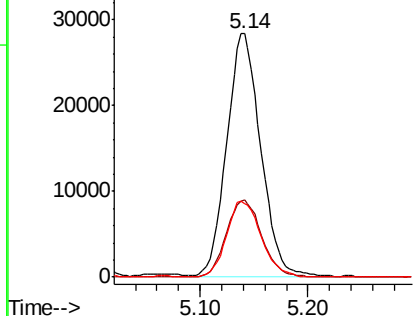
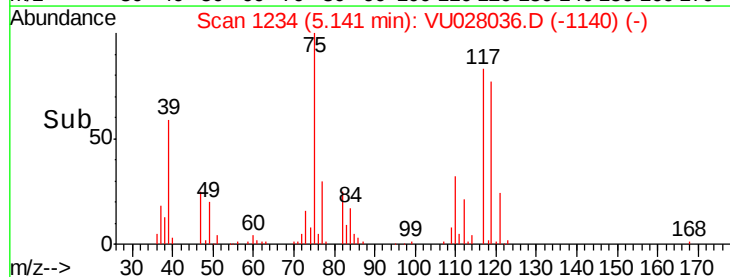


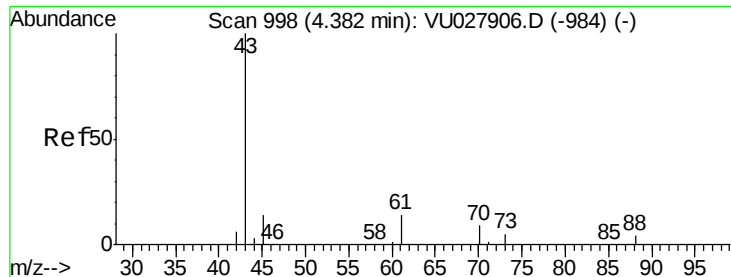
#36
 1,1-Dichloropropene
 Concen: 19.307 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.5	49.5
77	31.7	24.9	37.3



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

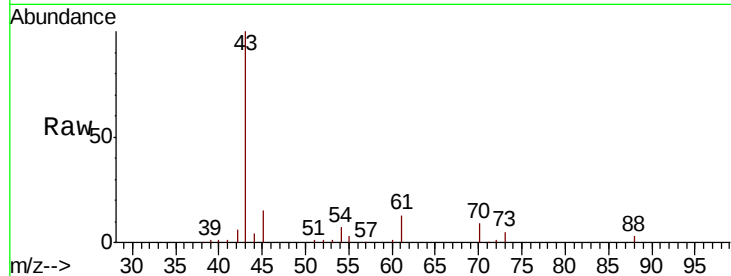




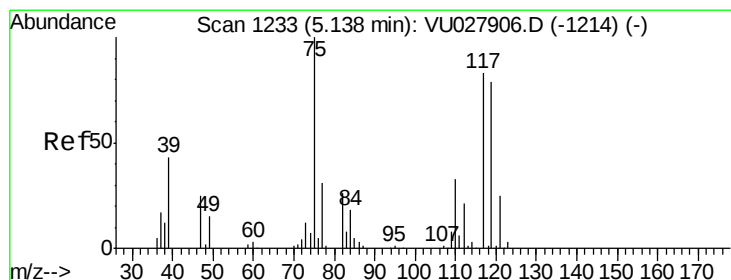
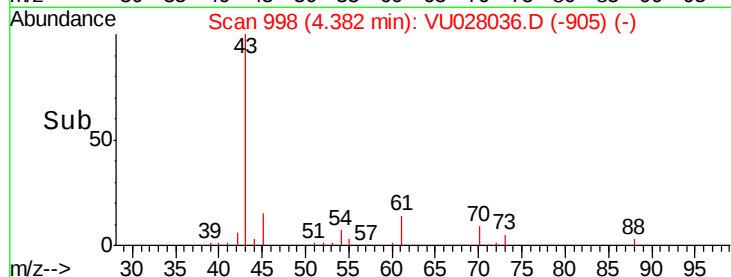
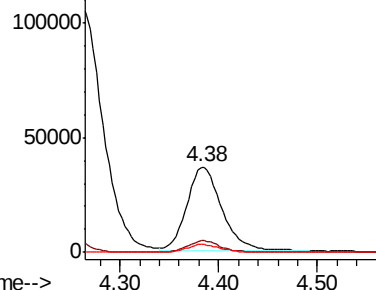
#37
Ethyl Acetate
Concen: 19.589 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion: 43 Resp: 91911
Ion Ratio Lower Upper
43 100
61 12.3 10.3 15.5
70 8.5 7.0 10.6

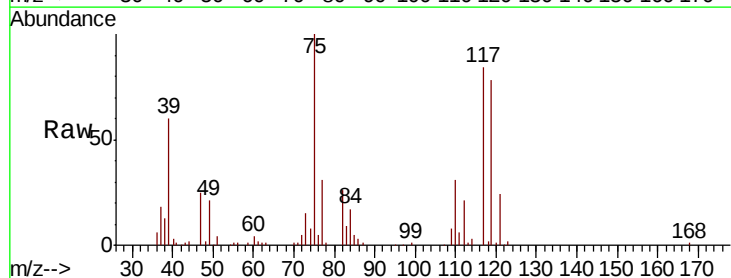


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

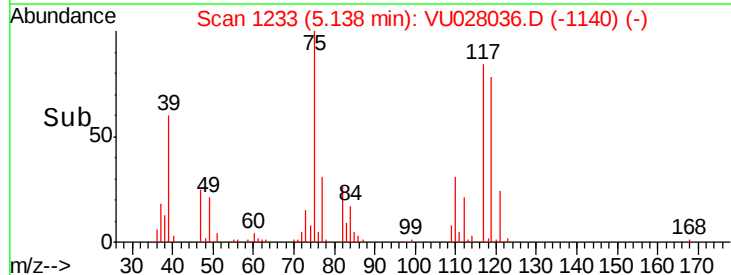
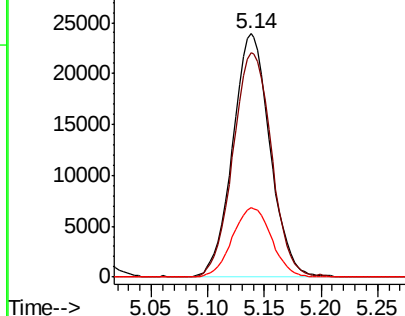


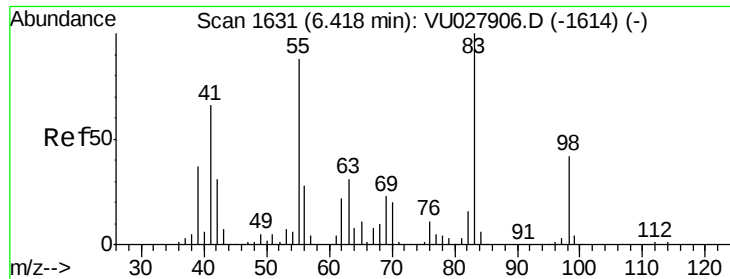
#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 117 Resp: 54930
Ion Ratio Lower Upper
117 100
119 92.1 76.0 114.0
121 28.5 24.5 36.7



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

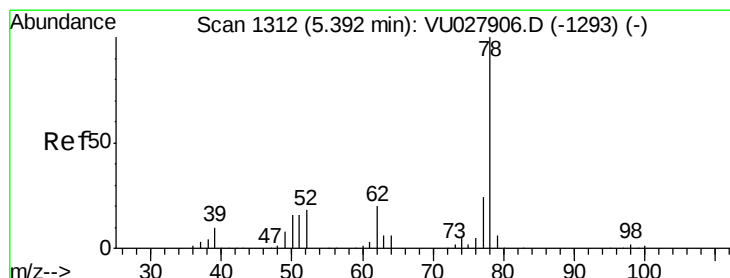
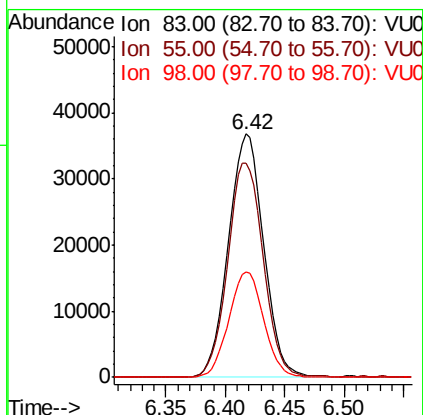
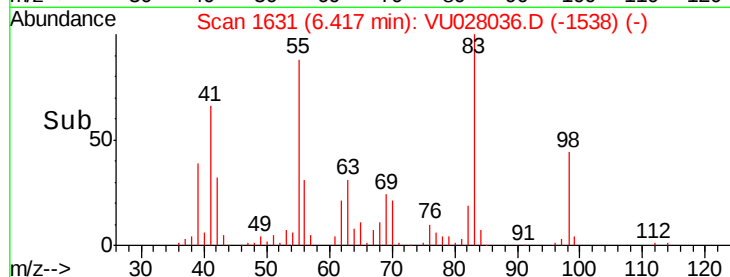
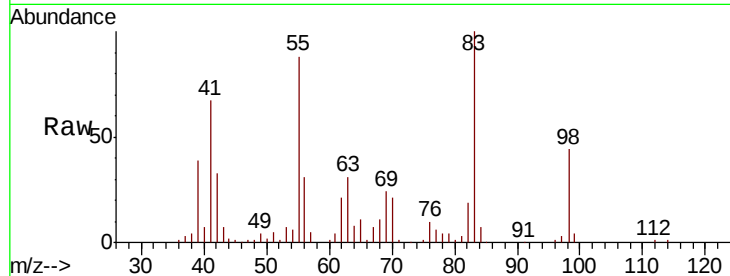




#39
Methvlcvclohexane
Concen: 19.545 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

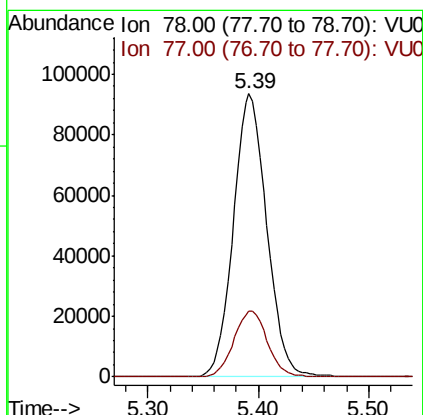
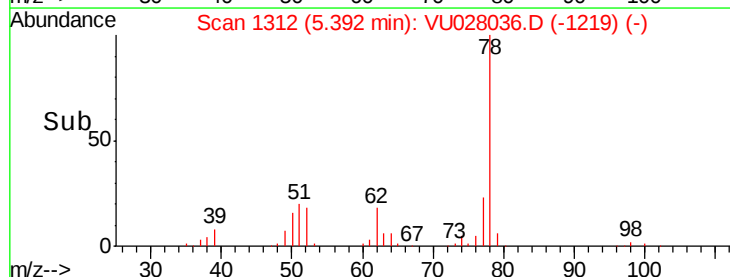
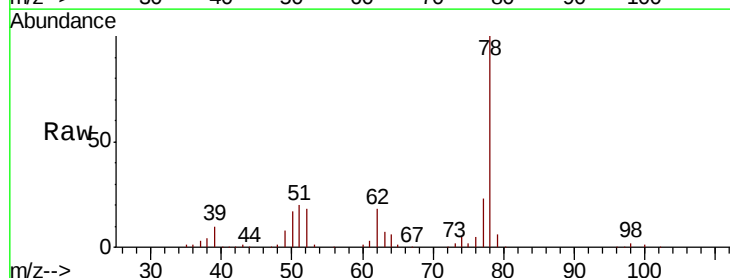
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

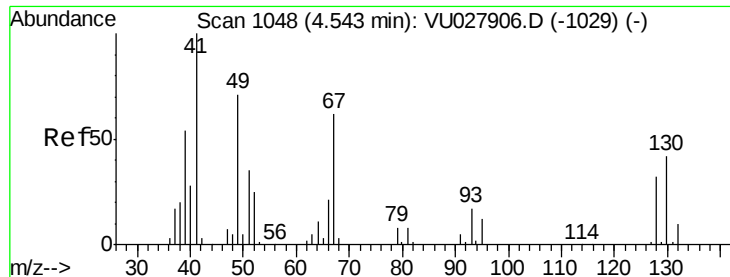
Tot Ion: 83 Resp: 75488
Ion Ratio Lower Upper
83 100
55 87.8 70.3 105.5
98 43.5 34.0 51.0



#40
Benzene
Concen: 19.983 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 78 Resp: 195640
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9

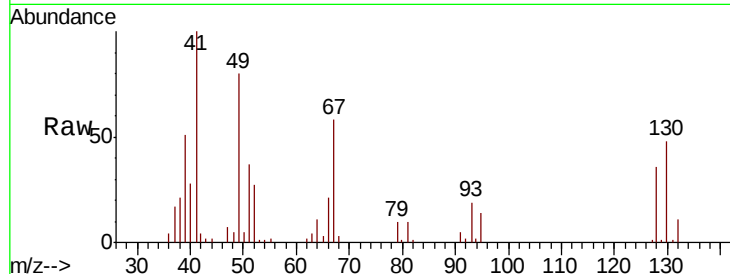




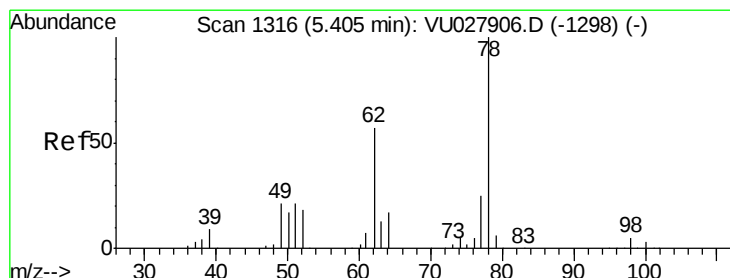
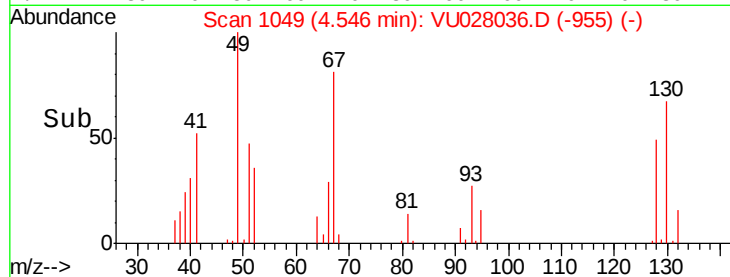
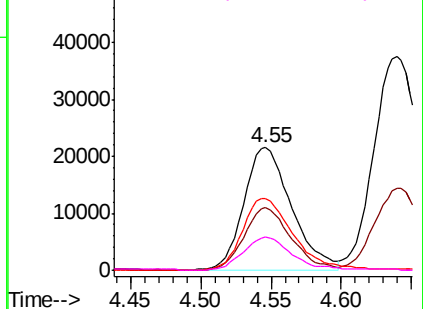
#41
Methacrylonitrile
Concen: 20.369 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion:	41	Resp:	51002
Ion	Ratio	Lower	Upper
41	100		
39	50.3	42.2	63.4
67	62.9	49.5	74.3
52	27.3	20.5	30.7

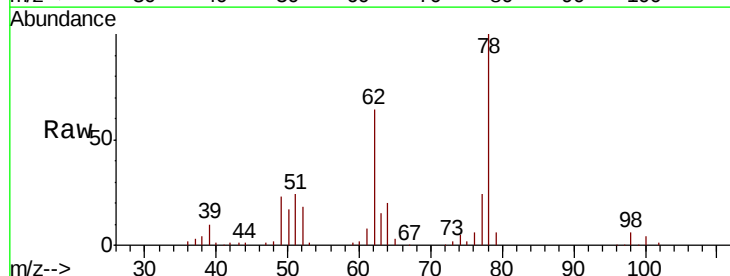


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

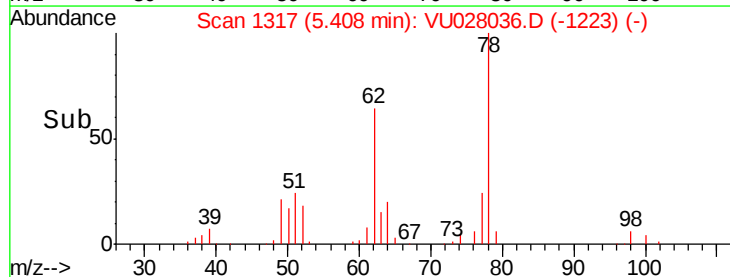
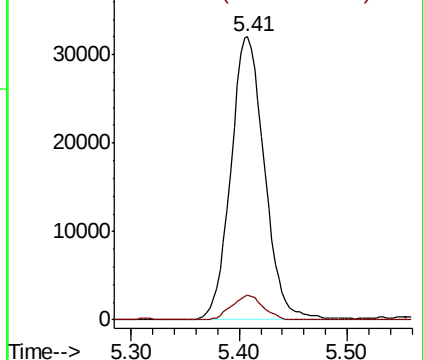


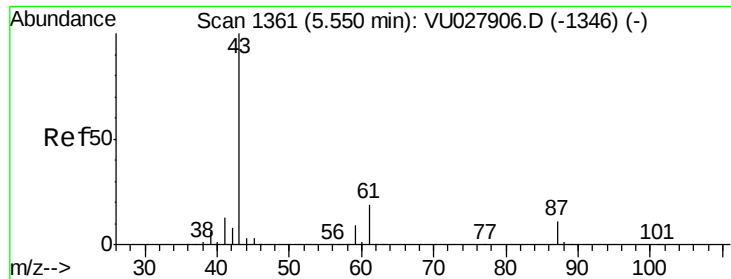
#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:	62	Resp:	69760
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 19.656 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

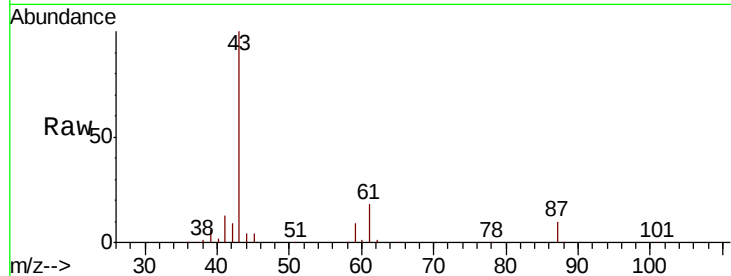
Tot Ion: 43 Resp: 144491

Ion Ratio Lower Upper

43 100

61 18.4 15.0 22.4

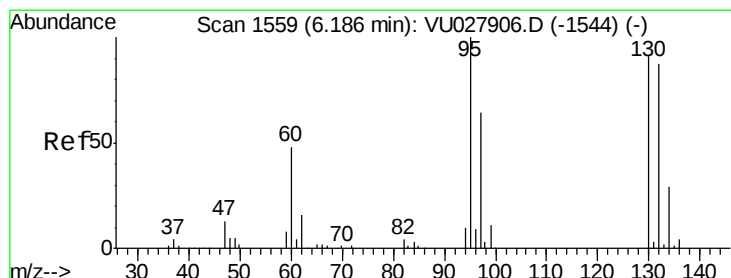
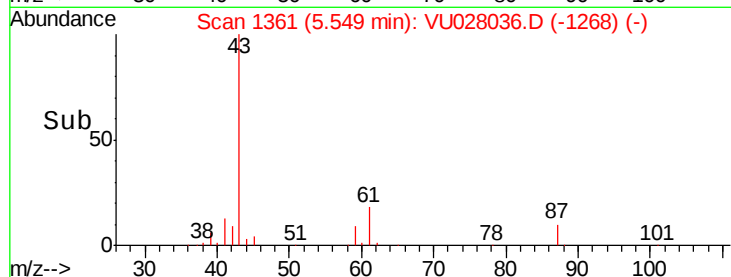
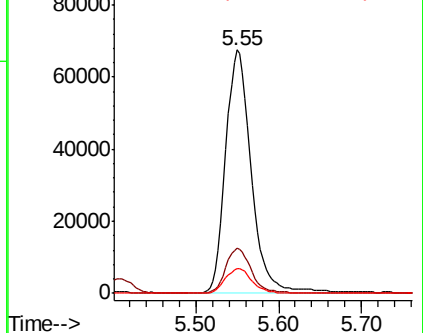
87 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 20.130 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028036.D

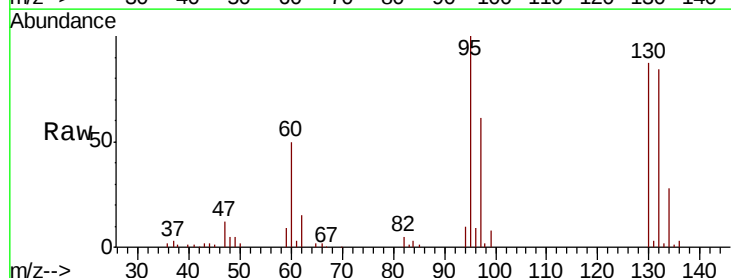
Acq: 09 Nov 2018 11:55

Tgt Ion:130 Resp: 42364

Ion Ratio Lower Upper

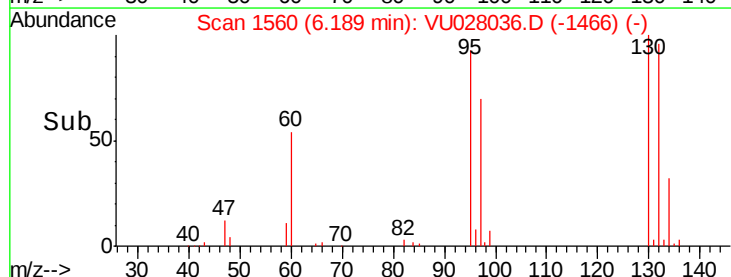
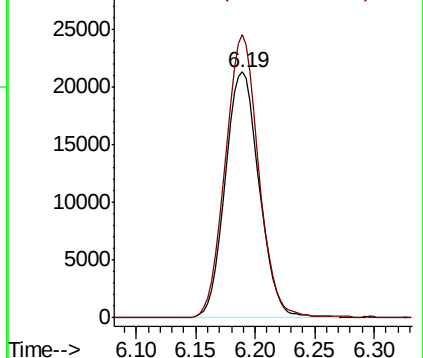
130 100

95 115.2 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 19.950 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

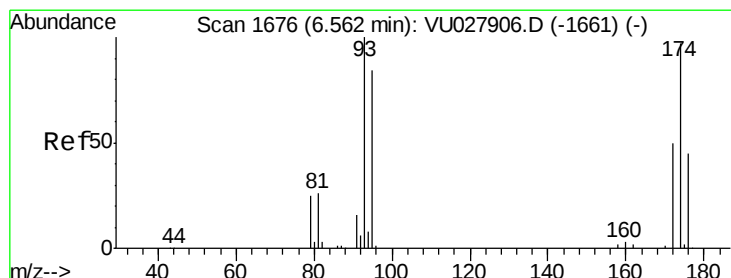
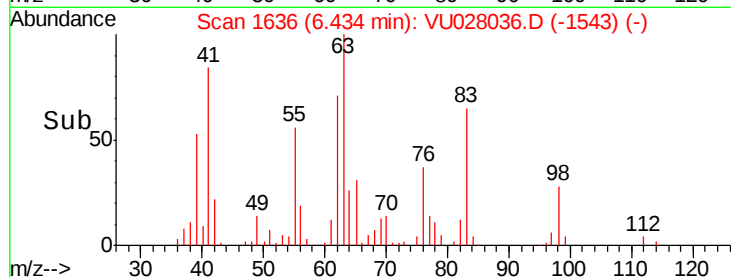
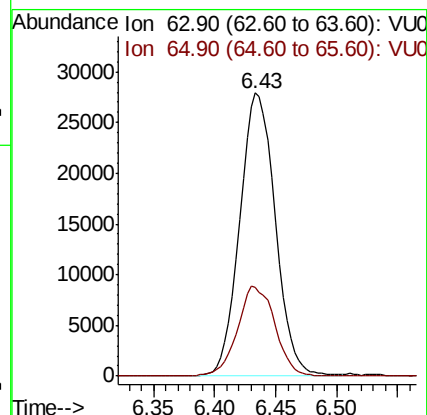
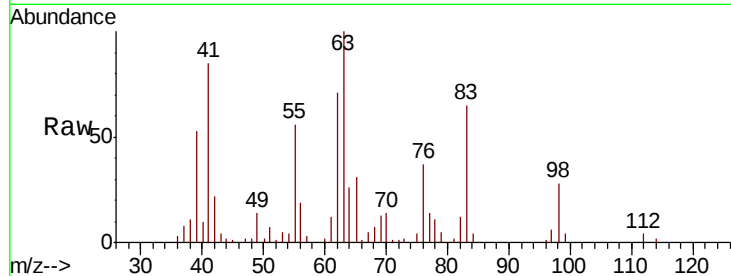
VU1109MBS01

Tot Ion: 63 Resp: 56329

Ion Ratio Lower Upper

63 100

65 31.3 24.4 36.6



#46

Dibromomethane

Concen: 20.256 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

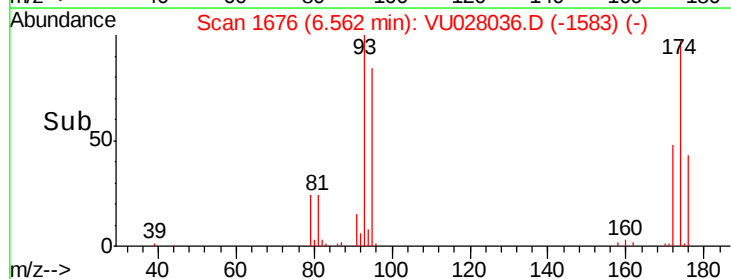
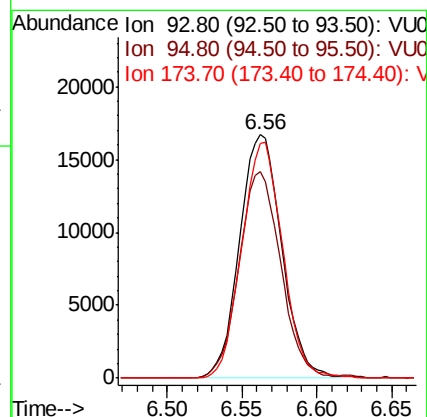
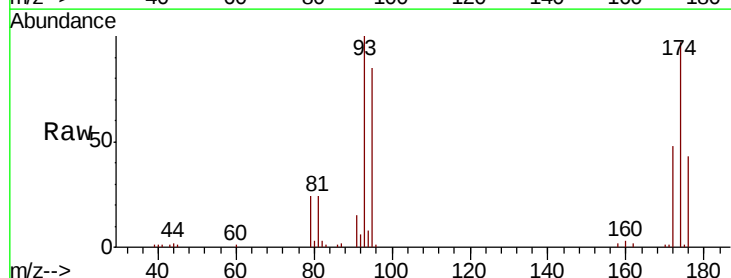
Tgt Ion: 93 Resp: 32875

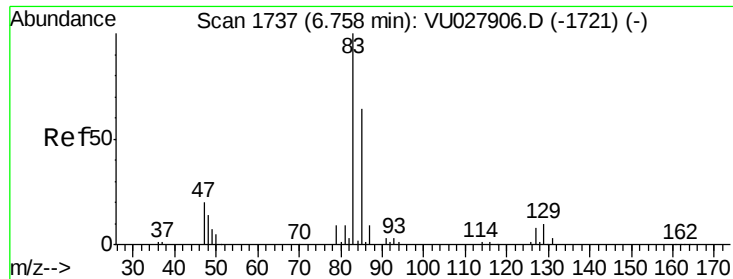
Ion Ratio Lower Upper

93 100

95 83.4 68.5 102.7

174 93.5 76.1 114.1

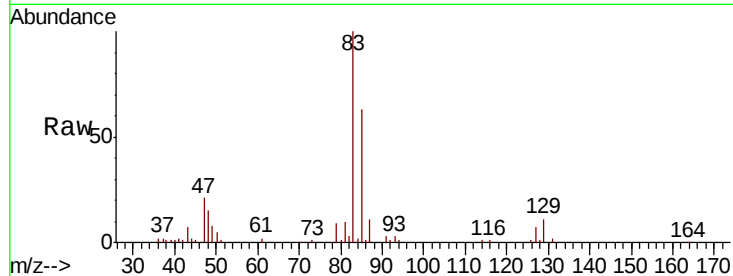




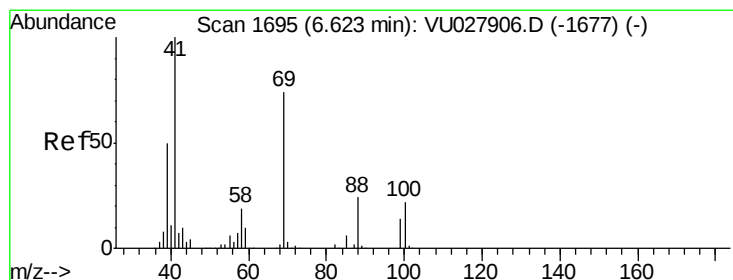
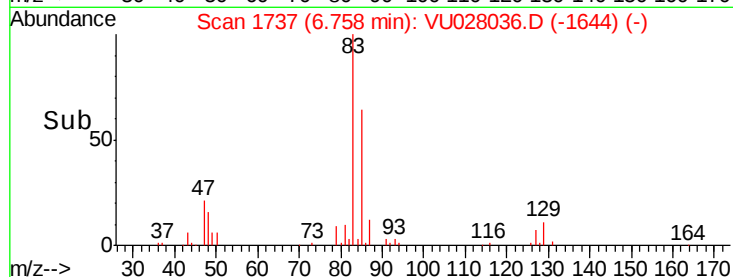
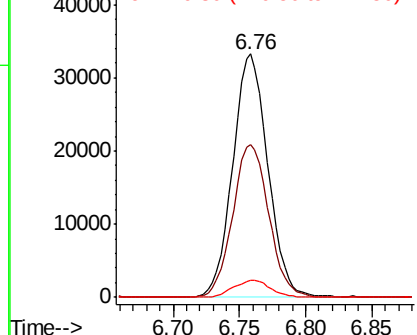
#47
Bromodichloromethane
Concen: 19.620 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion: 83 Resp: 61363
Ion Ratio Lower Upper
83 100
85 62.8 51.0 76.6
127 6.9 6.2 9.4

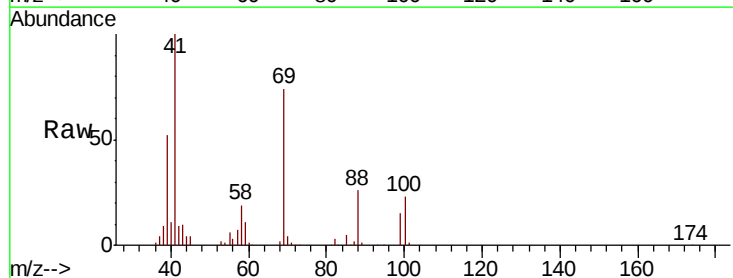


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

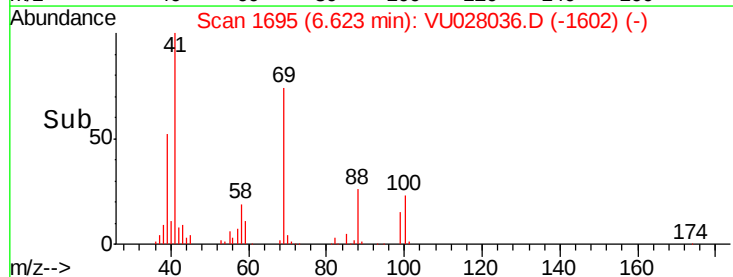
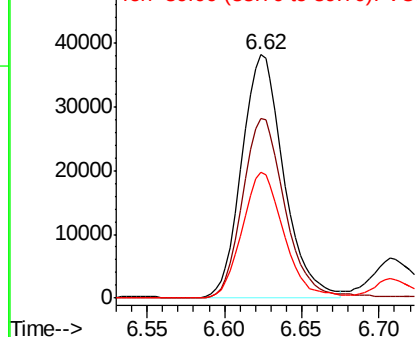


#48
Methyl methacrylate
Concen: 20.066 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 41 Resp: 72284
Ion Ratio Lower Upper
41 100
69 75.1 59.8 89.8
39 51.1 40.0 60.0



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

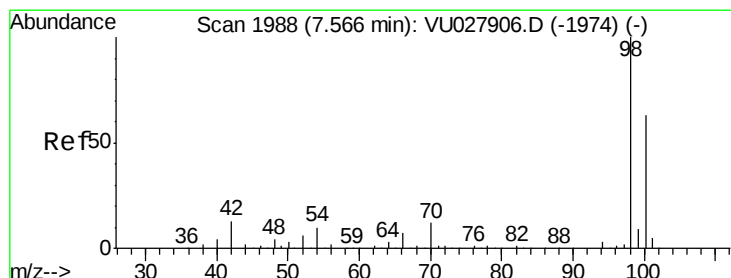
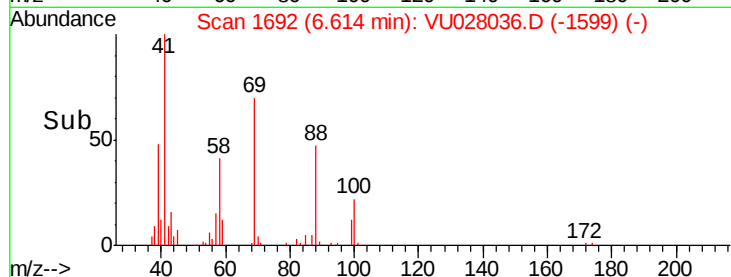
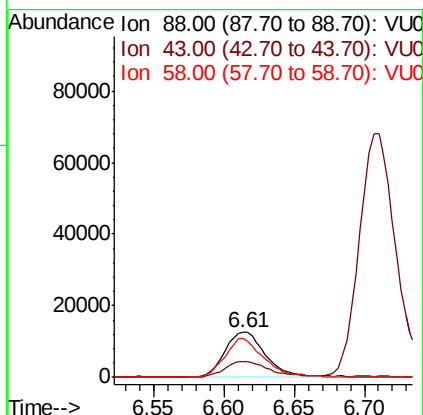
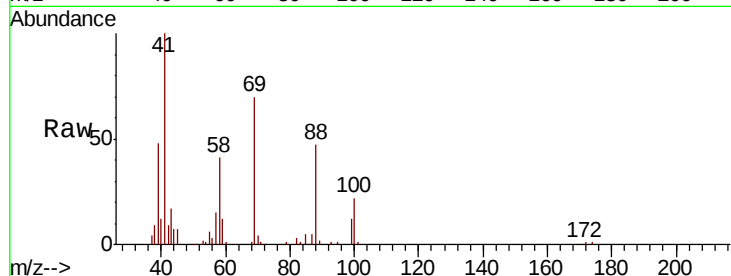




#49
1,4-Dioxane
Concen: 441.476 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

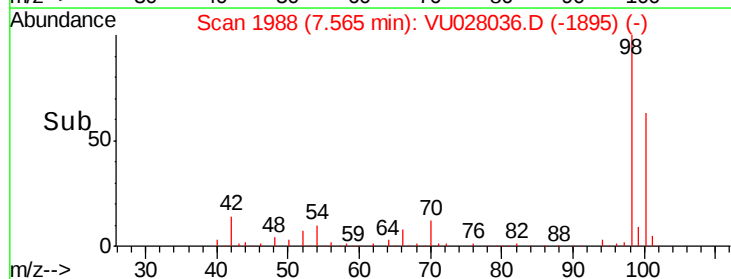
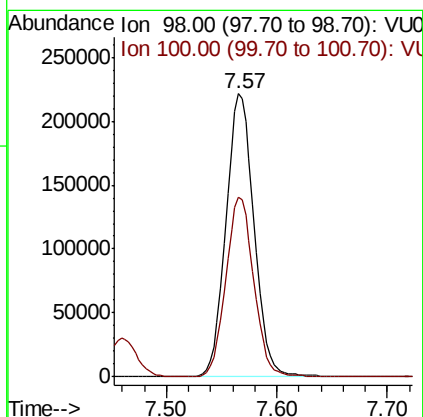
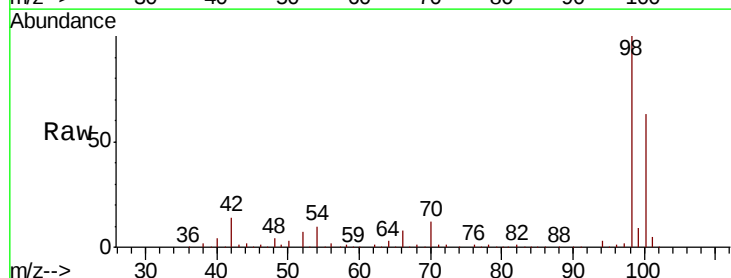
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

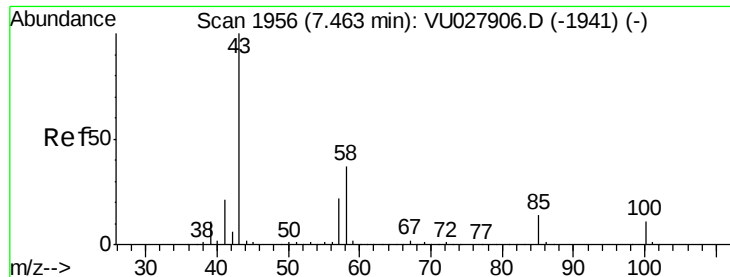
Tot Ion: 88 Resp: 25946
Ion Ratio Lower Upper
88 100
43 34.9 30.5 45.7
58 81.1 67.1 100.7



#50
Toluene-d8
Concen: 52.509 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 98 Resp: 391026
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 97.348 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

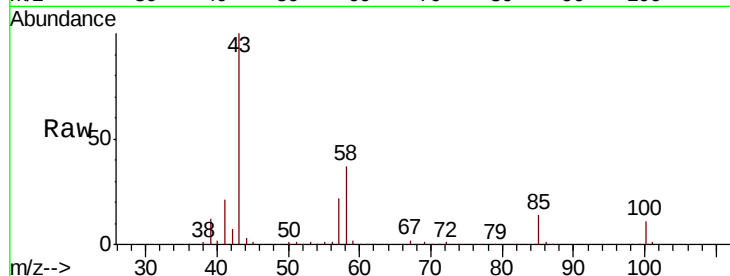
VU1109MBS01

Tot Ion: 43 Resp: 477896

Ion Ratio Lower Upper

43 100

58 37.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

250000

200000

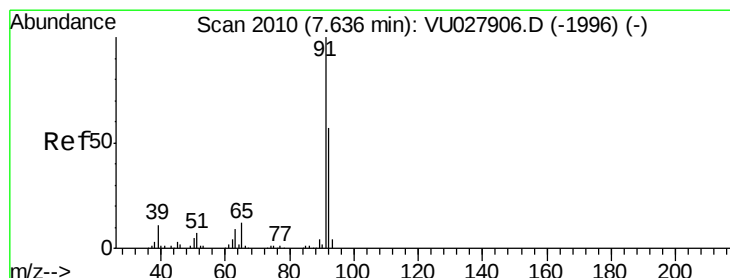
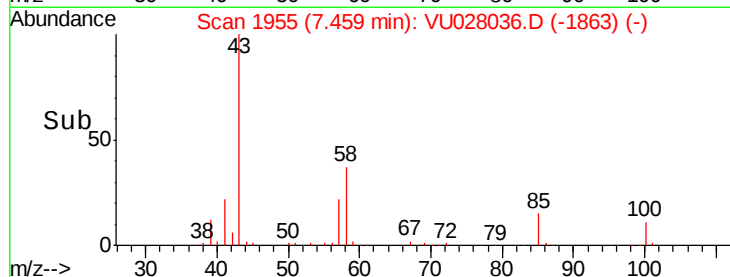
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.949 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028036.D

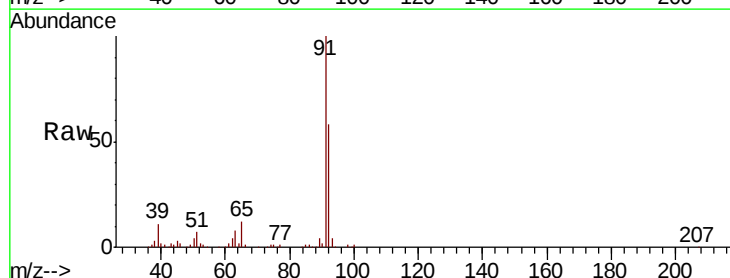
Acq: 09 Nov 2018 11:55

Tgt Ion: 92 Resp: 114820

Ion Ratio Lower Upper

92 100

91 174.9 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

120000

100000

80000

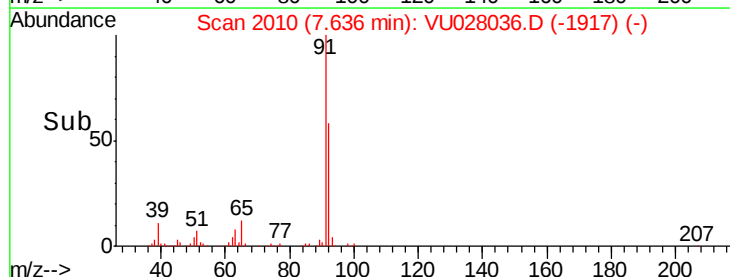
60000

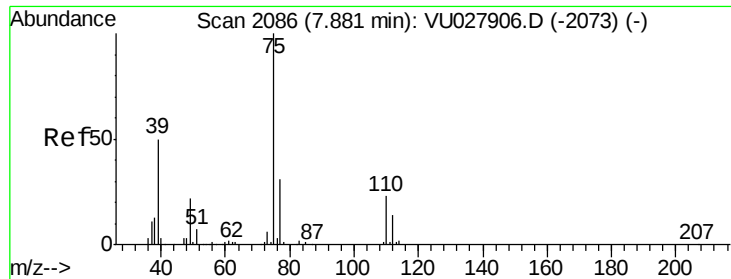
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.148 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

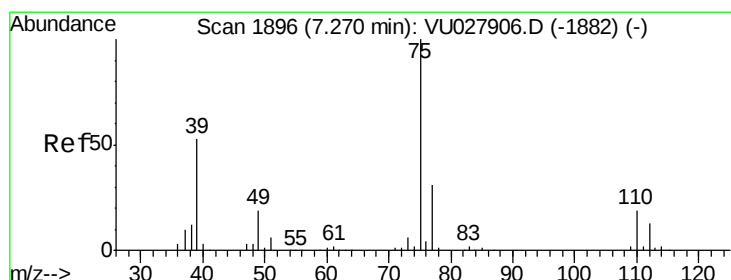
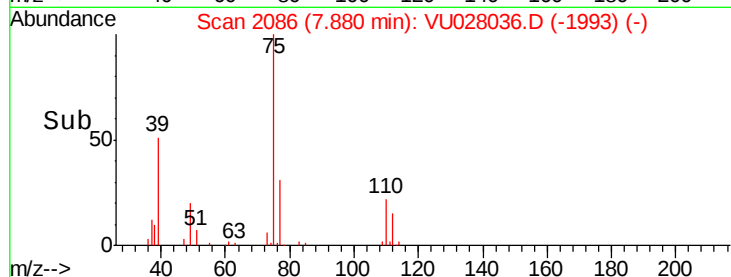
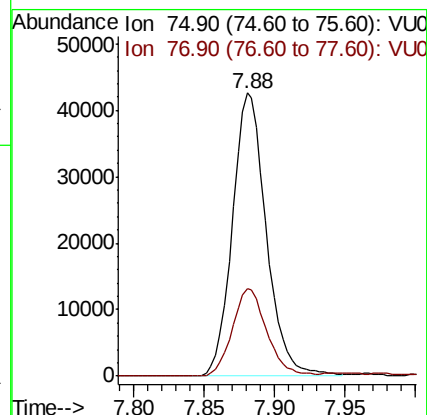
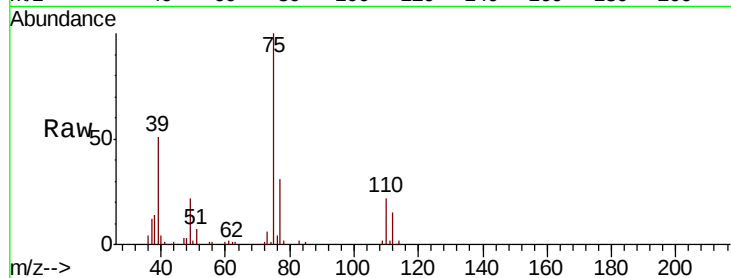
VU1109MBS01

Tot Ion: 75 Resp: 71531

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.603 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

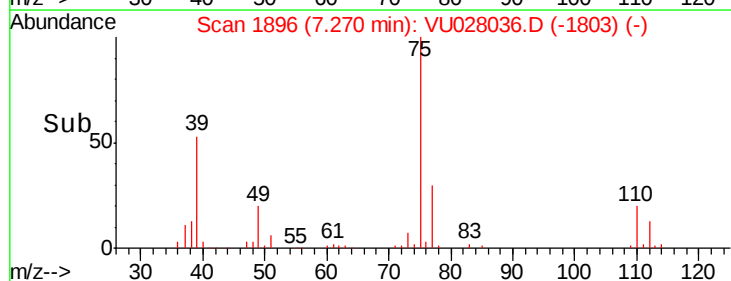
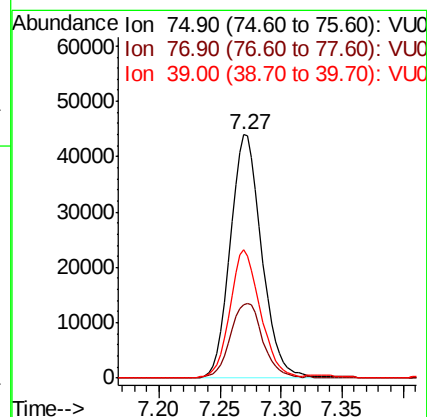
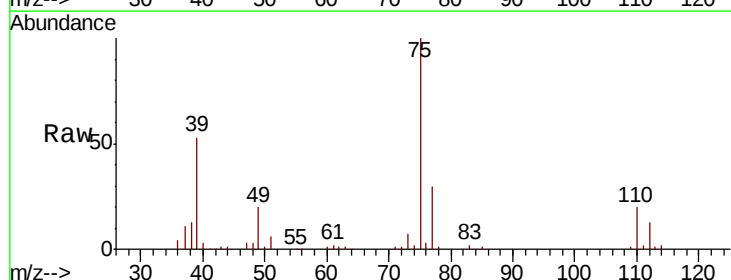
Tgt Ion: 75 Resp: 79437

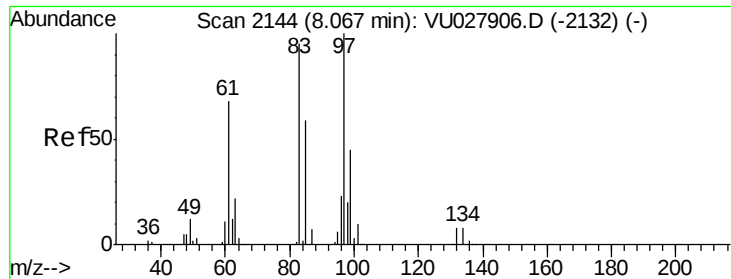
Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0

39 52.9 42.6 64.0

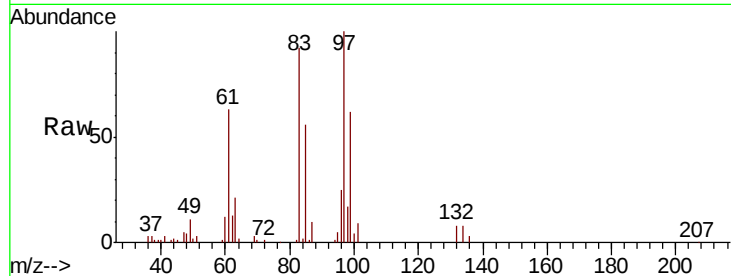




#55
 1,1,2-Trichloroethane
 Concen: 20.057 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

Tot Ion:	97	Resp:	46966
Ion	Ratio	Lower	Upper
97	100		
83	92.1	76.1	114.1
85	55.1	48.9	73.3
99	61.7	52.0	78.0



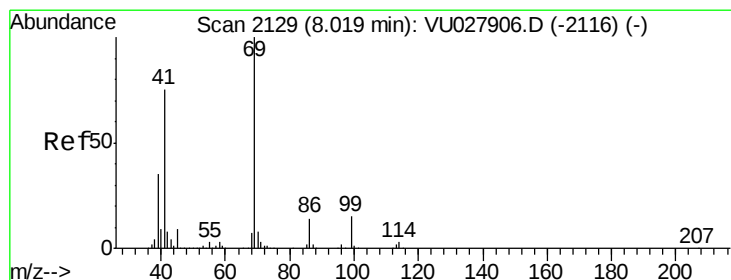
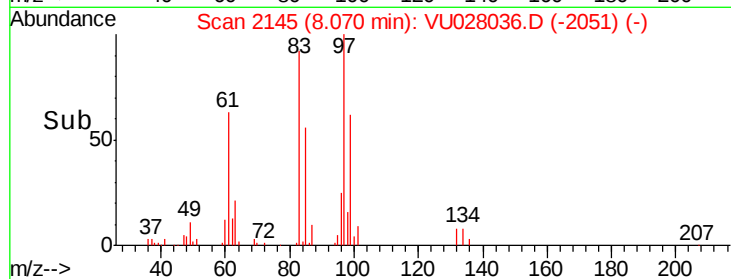
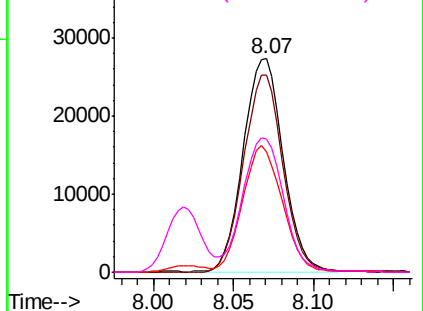
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

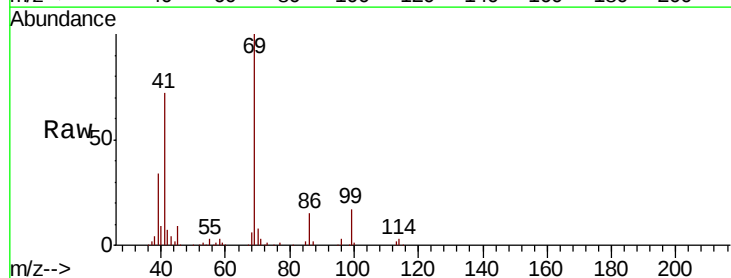
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 19.755 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion:	69	Resp:	81577
Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.8	89.6
39	34.2	28.6	42.8

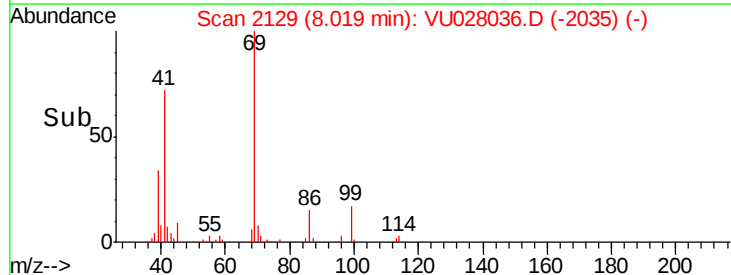
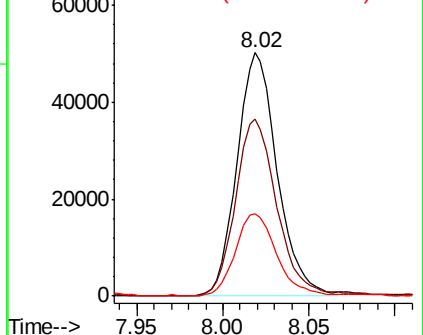


Abundance

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: 19.820 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

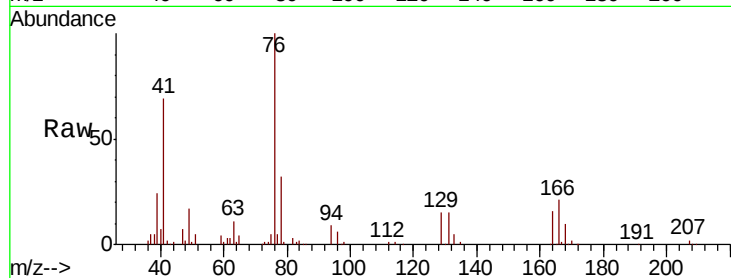
VU1109MBS01

Tot Ion: 76 Resp: 84542

Ion Ratio Lower Upper

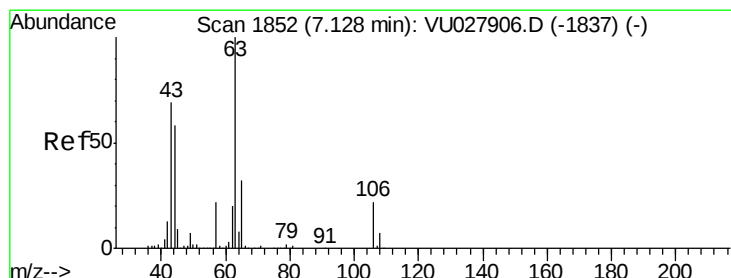
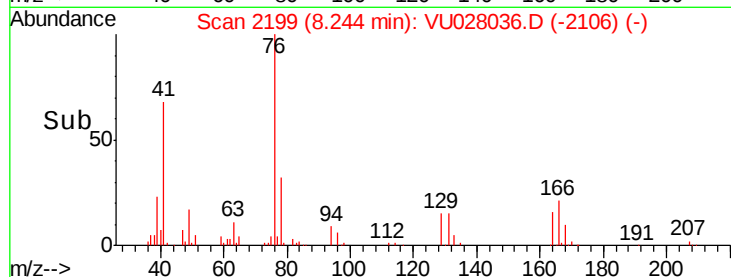
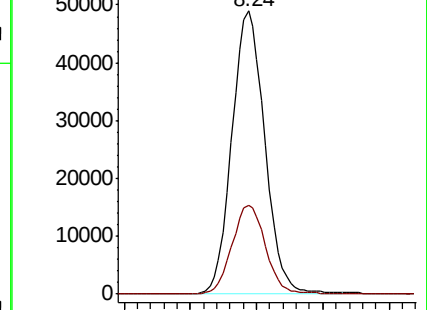
76 100

78 32.0 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-2185) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-2185) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 95.429 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028036.D

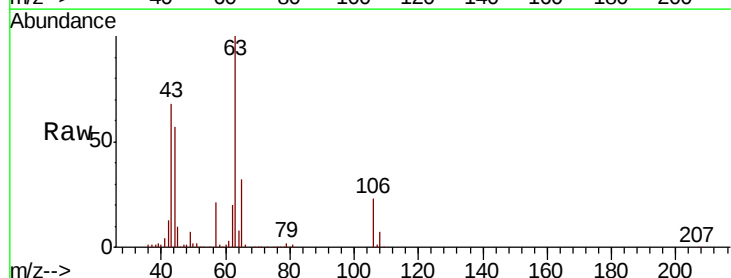
Acq: 09 Nov 2018 11:55

Tgt Ion: 63 Resp: 211058

Ion Ratio Lower Upper

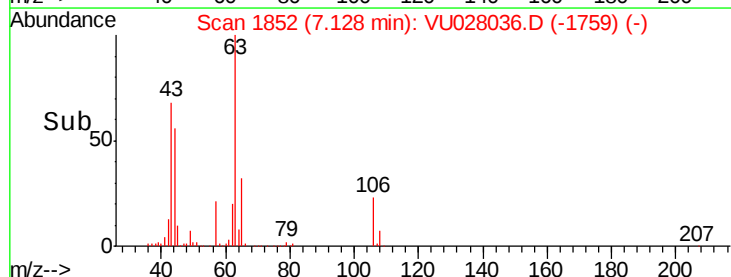
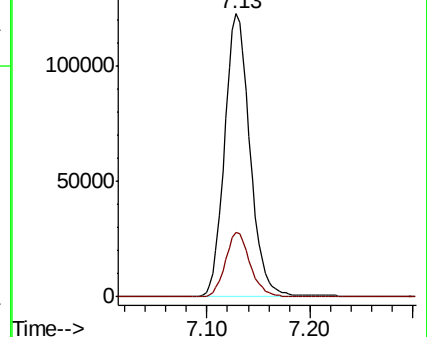
63 100

106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU027906.D (-1837) (-)

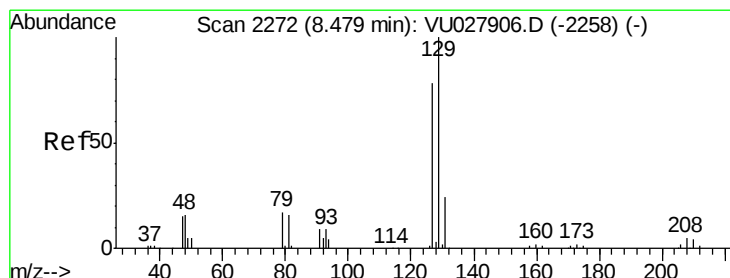
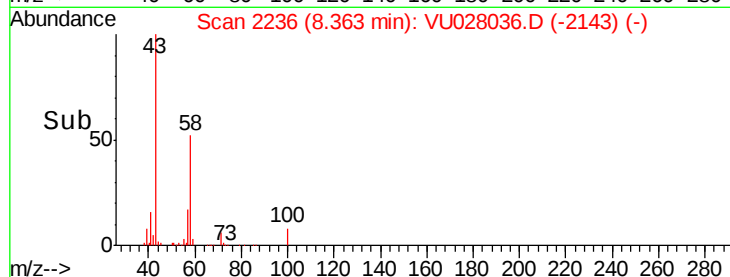
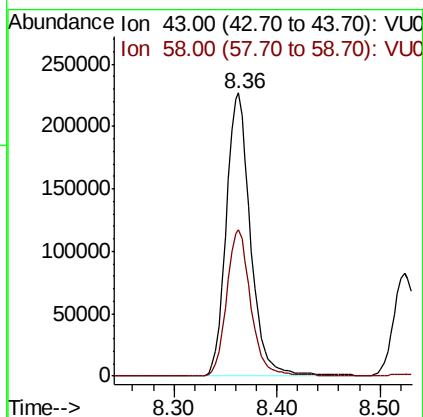
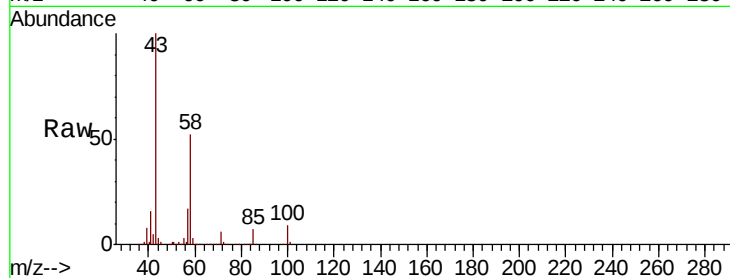




#59
2-Hexanone
Concen: 98.067 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

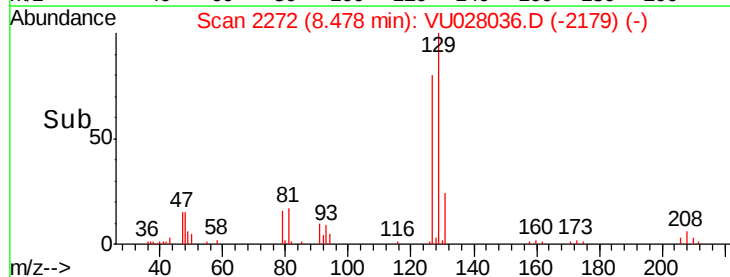
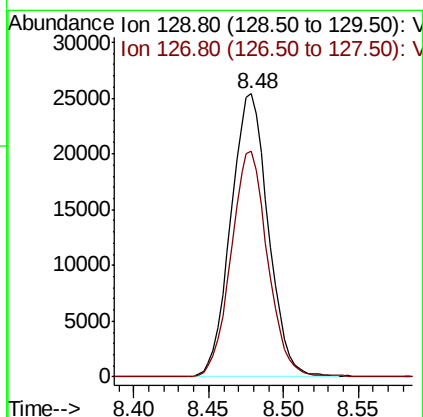
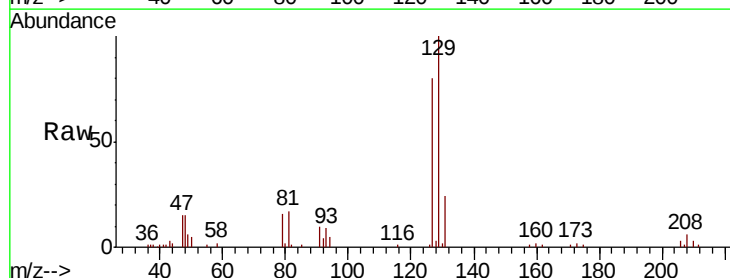
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

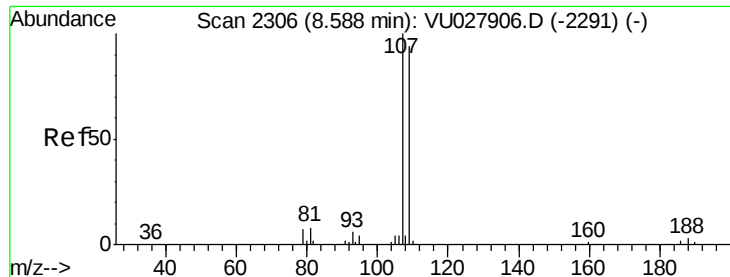
Tot Ion: 43 Resp: 372352
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.3



#60
Dibromochloromethane
Concen: 19.928 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 129 Resp: 44159
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6

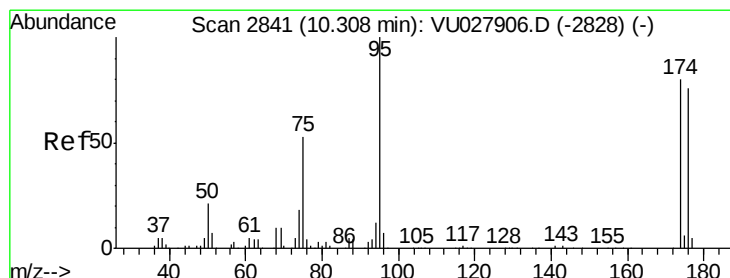
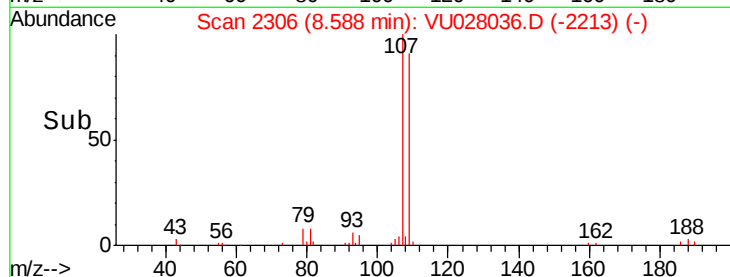
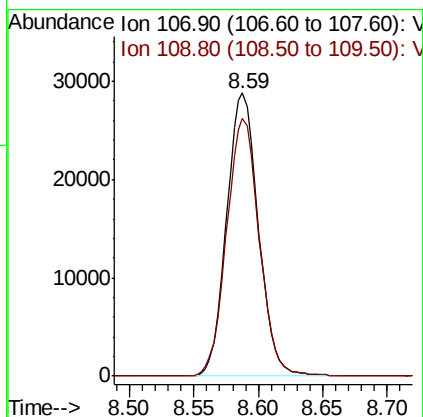
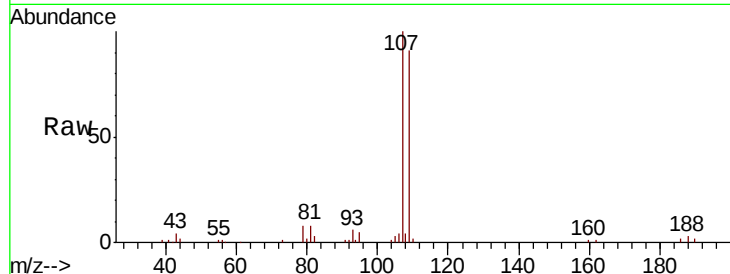




#61
 1,2-Dibromoethane
 Concen: 19.763 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

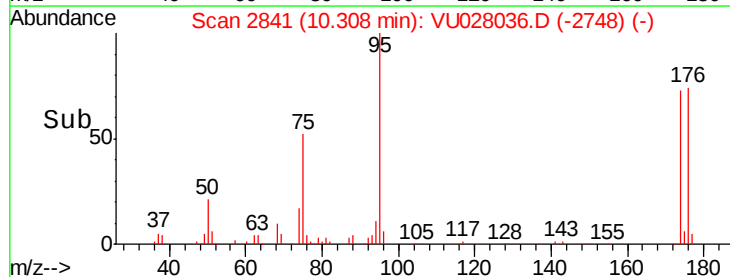
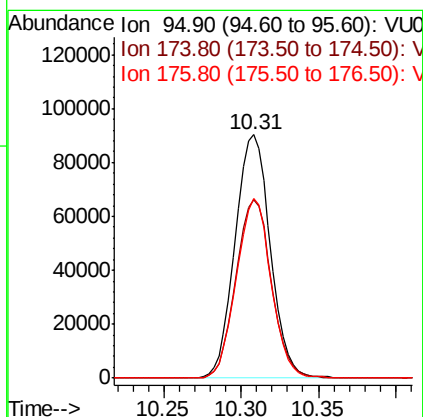
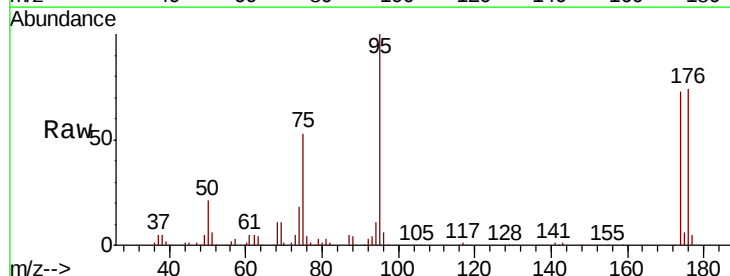
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

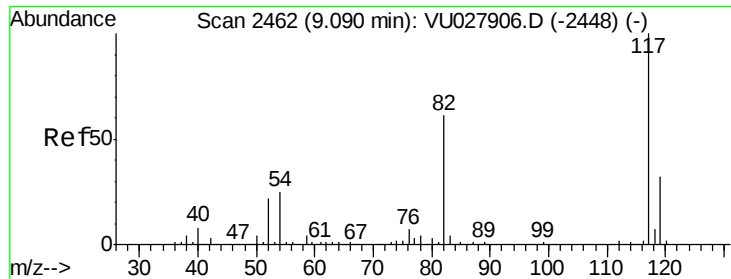
Tot Ion:107 Resp: 49174
 Ion Ratio Lower Upper
 107 100
 109 93.6 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 52.052 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion: 95 Resp: 142974
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 156.4
 176 72.9 0.0 150.8

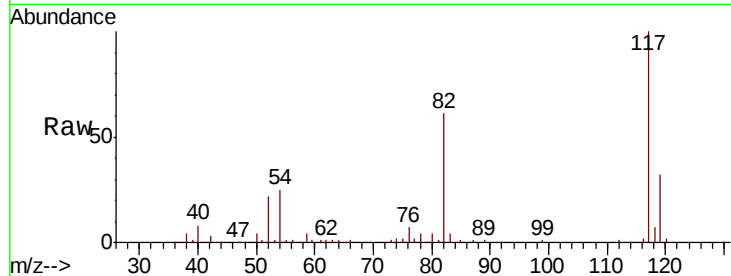




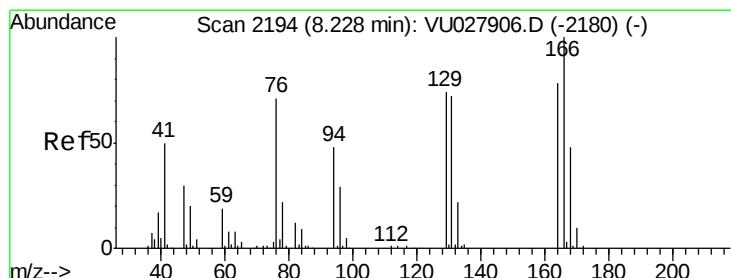
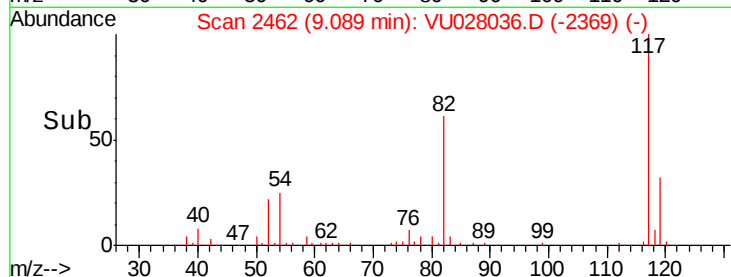
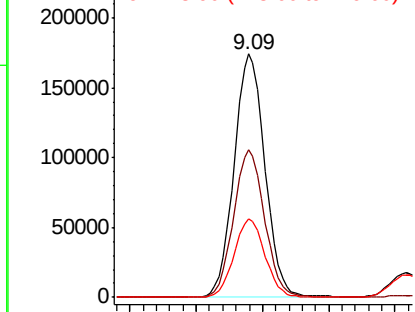
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion:117 Resp: 281582
Ion Ratio Lower Upper
117 100
82 60.6 48.6 73.0
119 32.4 25.8 38.8



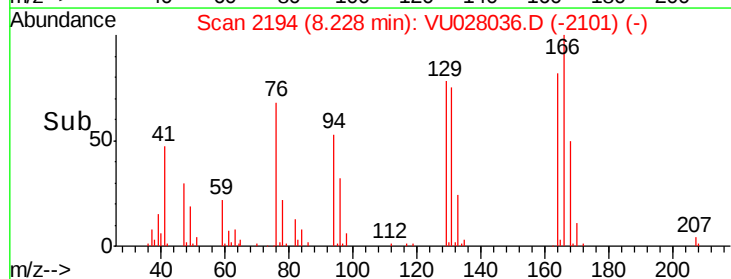
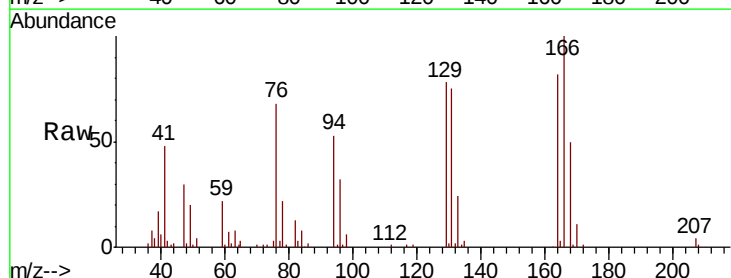
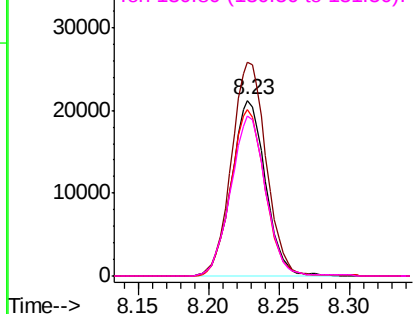
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

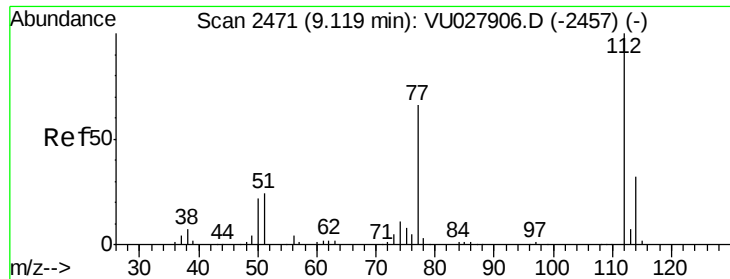


#64
Tetrachloroethene
Concen: 19.583 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:164 Resp: 35756
Ion Ratio Lower Upper
164 100
166 121.6 102.1 153.1
129 94.5 75.9 113.9
131 90.7 73.0 109.6

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

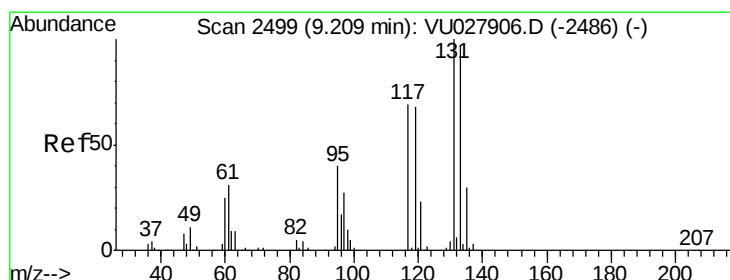
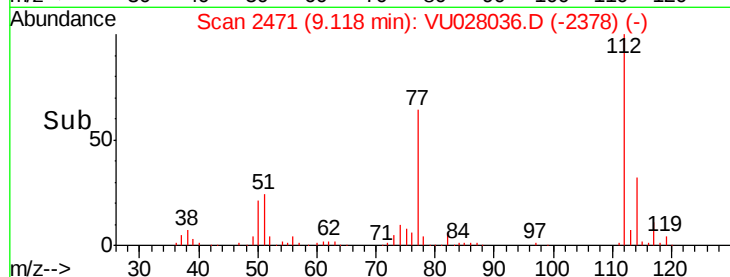
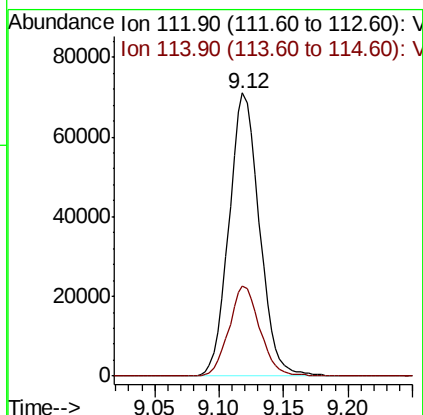
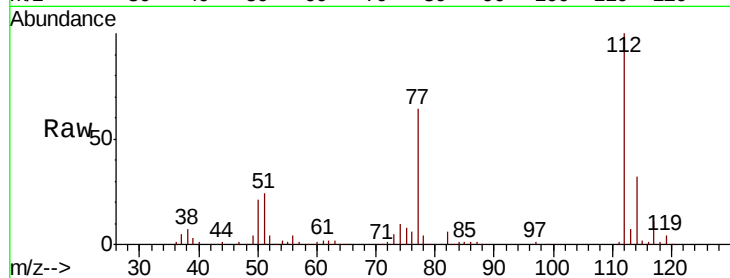




#65
Chlorobenzene
Concen: 19.641 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

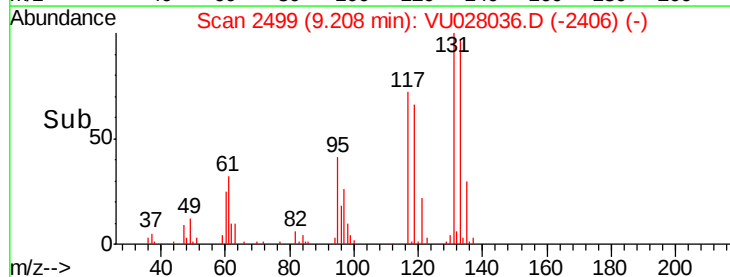
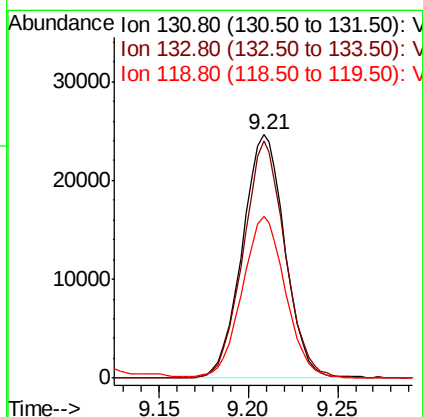
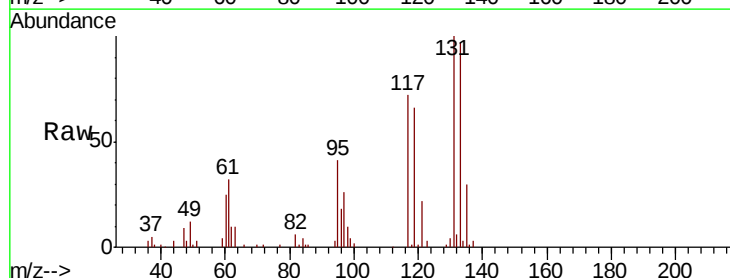
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

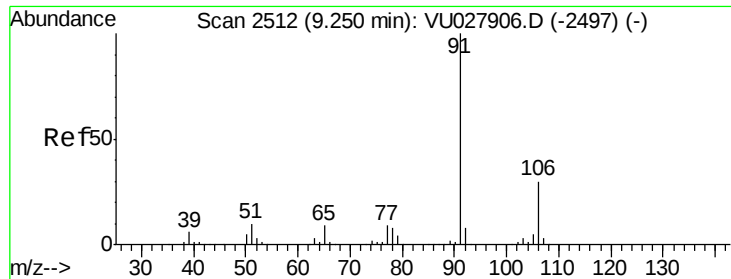
Tot Ion:112 Resp: 116846
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.243 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:131 Resp: 41133
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 67.6 34.0 101.8

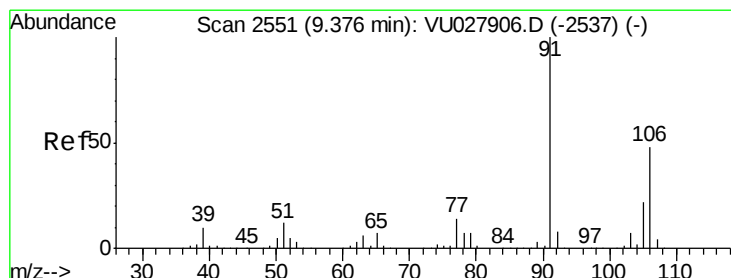
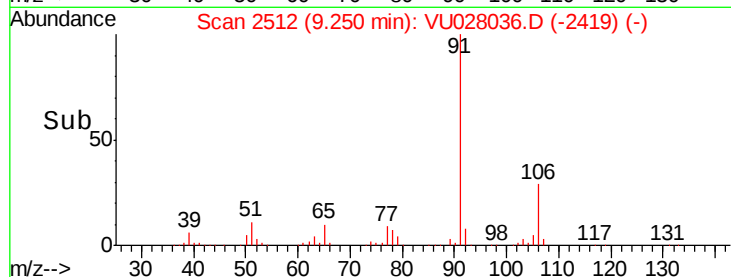
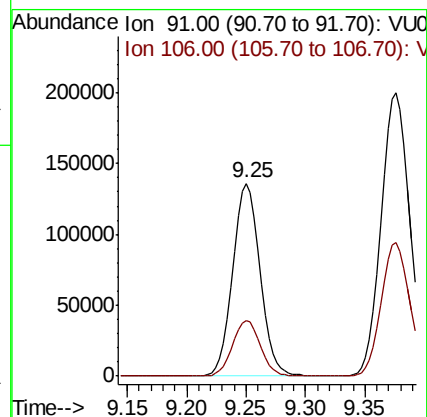
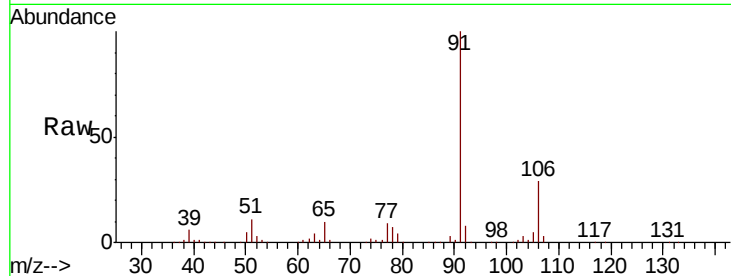




#67
Ethyl Benzene
Concen: 19.849 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

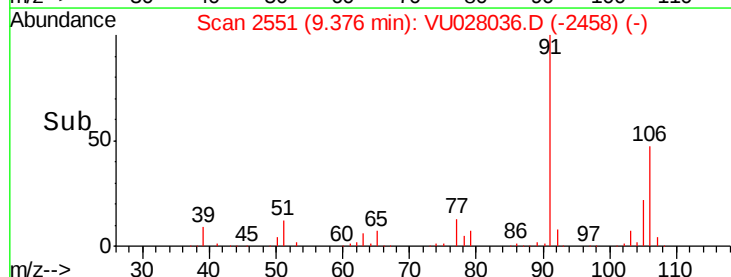
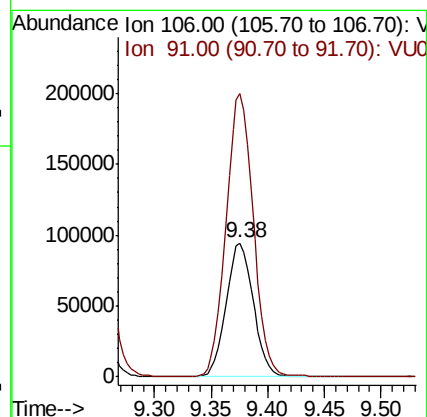
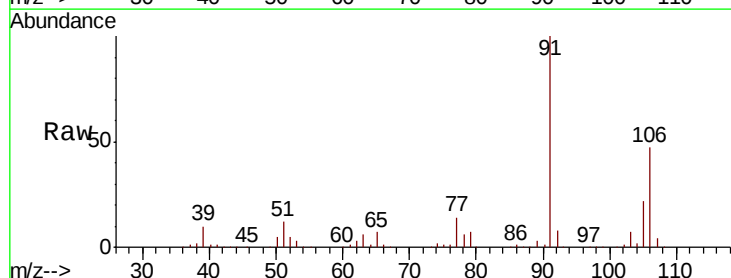
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion: 91 Resp: 217355
Ion Ratio Lower Upper
91 100
106 29.1 23.6 35.4



#68
m/p-Xylenes
Concen: 39.804 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 106 Resp: 158151
Ion Ratio Lower Upper
106 100
91 211.2 168.2 252.4

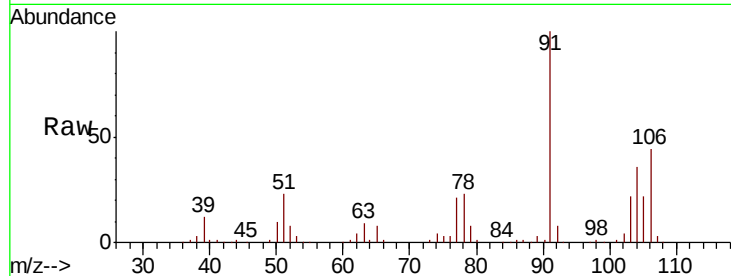




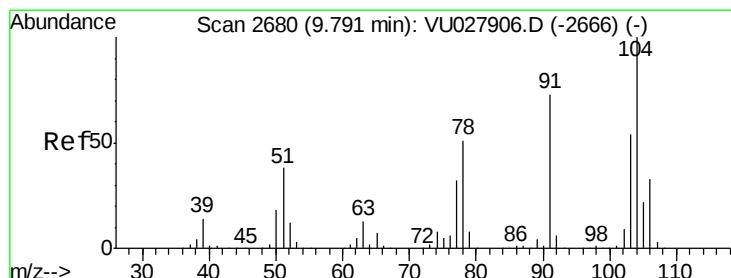
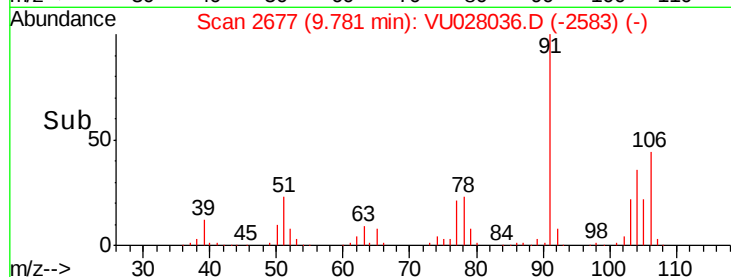
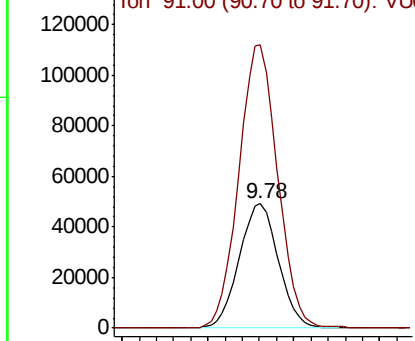
#69
o-Xylene
Concen: 19.393 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion:106 Resp: 77807
Ion Ratio Lower Upper
106 100
91 225.8 111.1 333.4

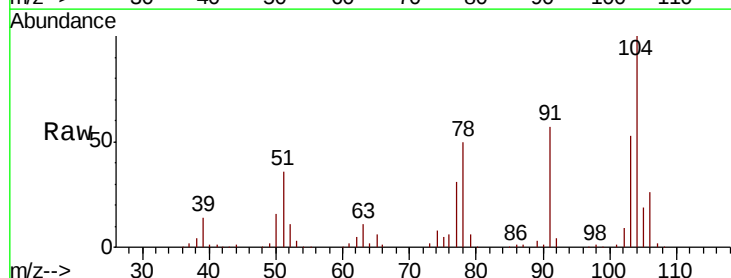


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

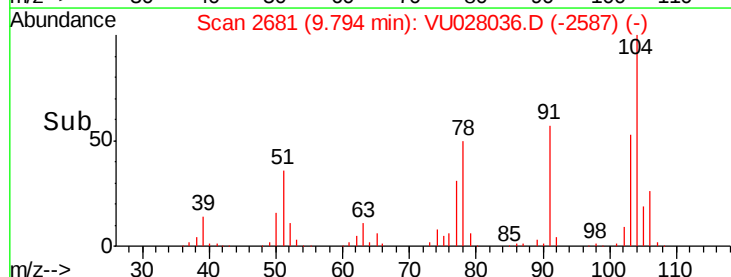
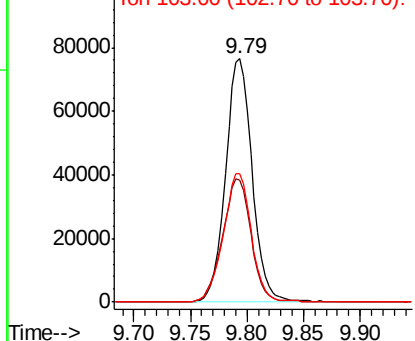


#70
Styrene
Concen: 19.571 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:104 Resp: 125464
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.4
103 55.6 45.1 67.7



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

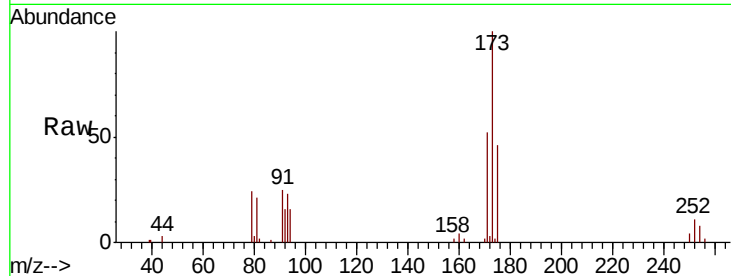




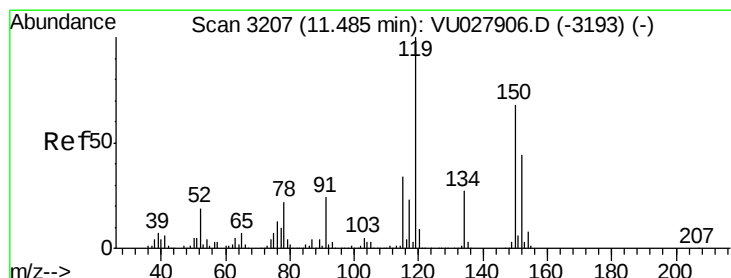
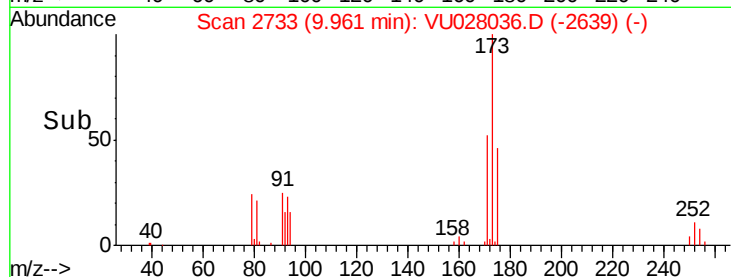
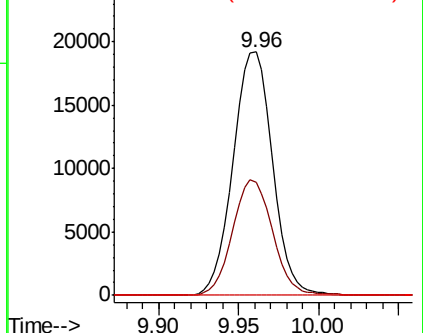
#71
Bromoform
Concen: 18.945 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion:173 Resp: 32263
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.8
254 0.0 0.0 0.0

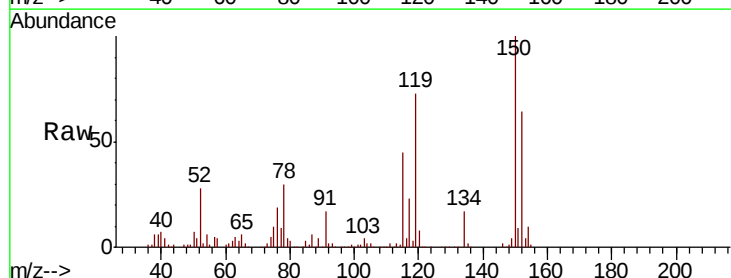


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

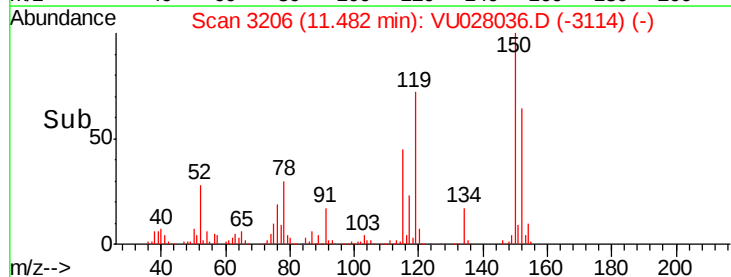
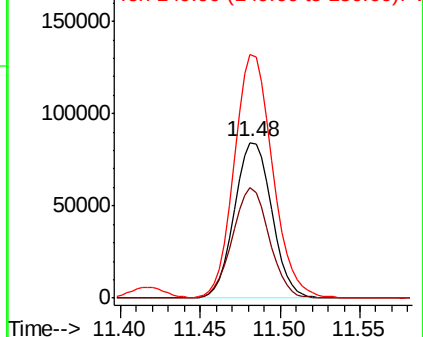


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:152 Resp: 134133
Ion Ratio Lower Upper
152 100
115 69.7 43.0 129.0
150 160.0 0.0 349.4



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: 19.971 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

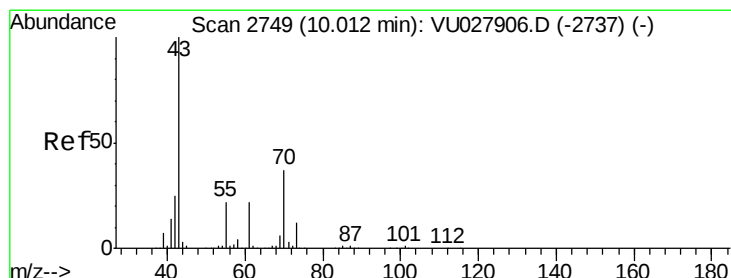
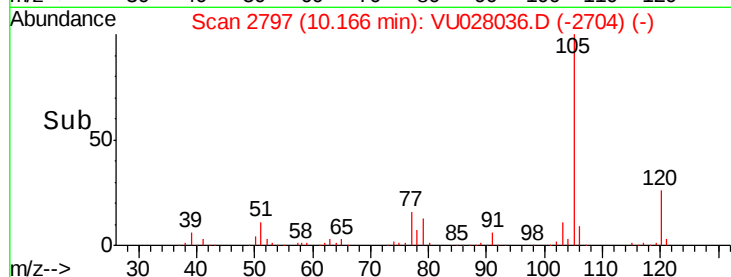
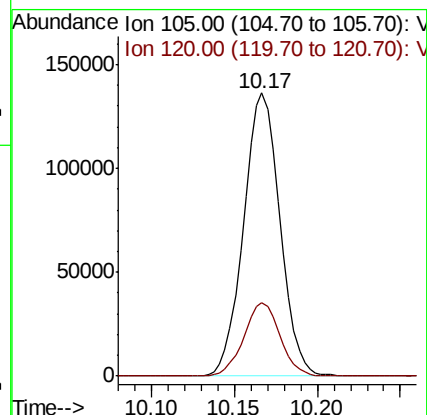
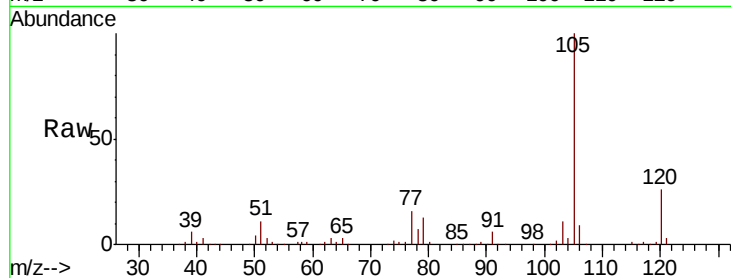
VU1109MBS01

Tot Ion:105 Resp: 207522

Ion Ratio Lower Upper

105 100

120 25.9 12.7 38.0



#74

N-ethyl acetate

Concen: 20.030 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Tgt Ion: 43 Resp: 125856

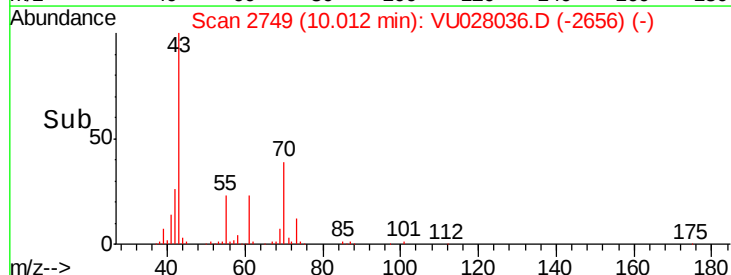
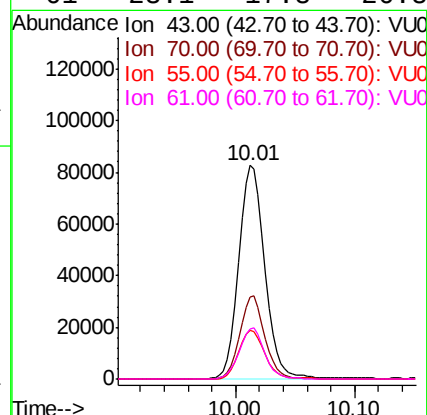
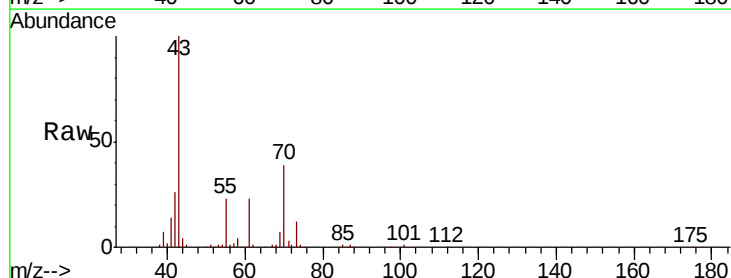
Ion Ratio Lower Upper

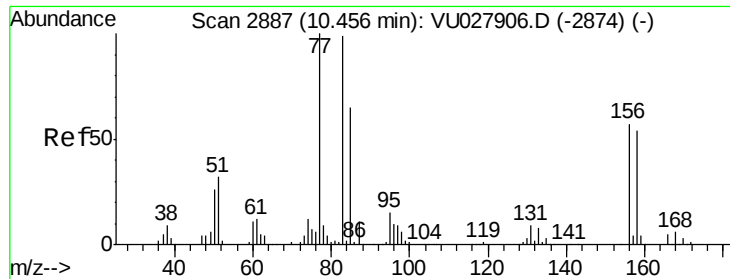
43 100

70 37.3 29.2 43.8

55 22.7 17.8 26.6

61 23.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.571 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

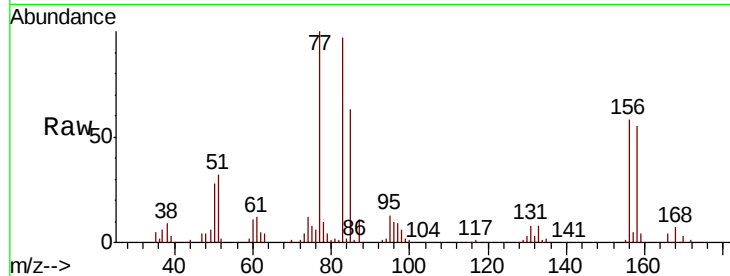
Tot Ion: 83 Resp: 82032

Ion Ratio Lower Upper

83 100

131 8.3 4.3 13.1

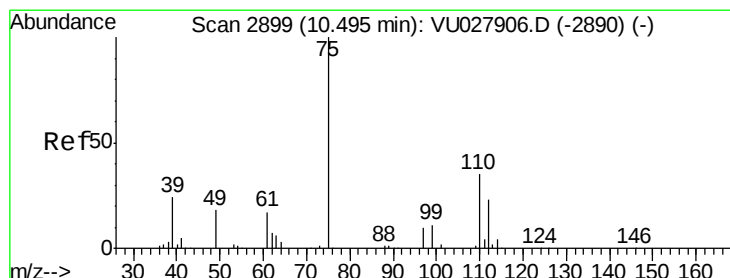
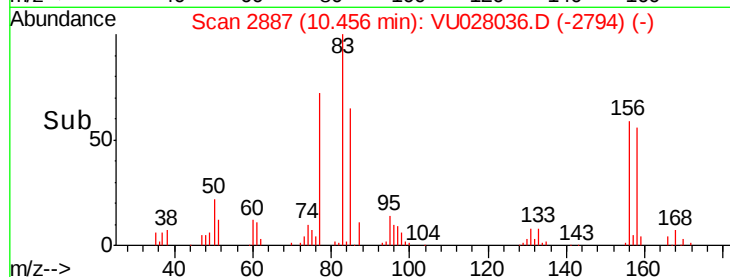
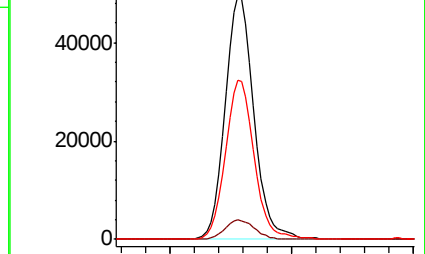
85 65.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU028036.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028036.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028036.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 26.905 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028036.D

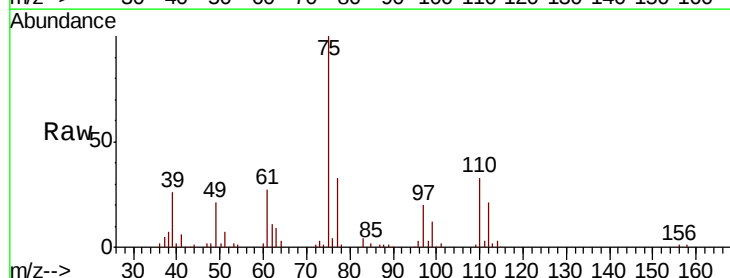
Acq: 09 Nov 2018 11:55

Tgt Ion: 75 Resp: 98711

Ion Ratio Lower Upper

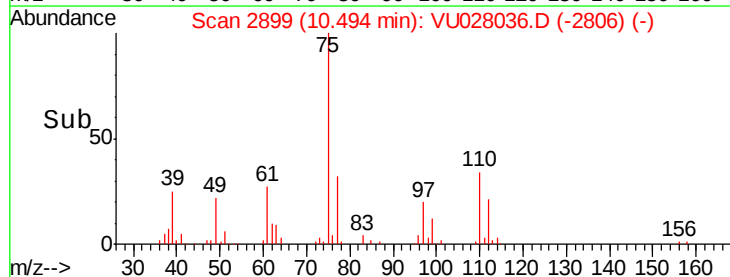
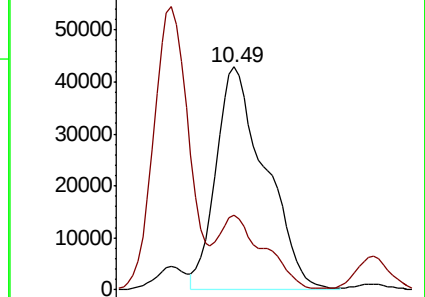
75 100

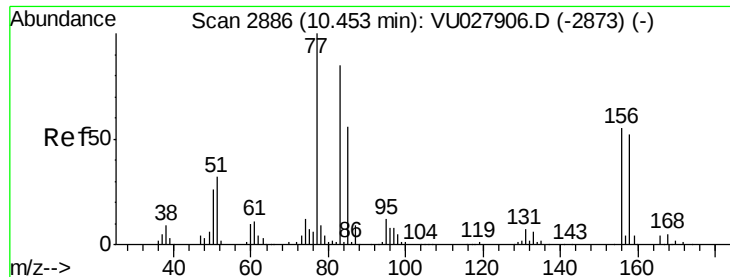
77 31.3 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU028036.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028036.D (-2806) (-)





#77

Bromobenzene

Concen: 20.316 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

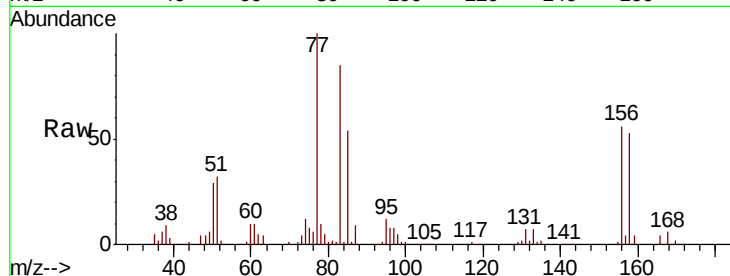
Tot Ion:156 Resp: 48406

Ion Ratio Lower Upper

156 100

77 183.6 91.8 275.6

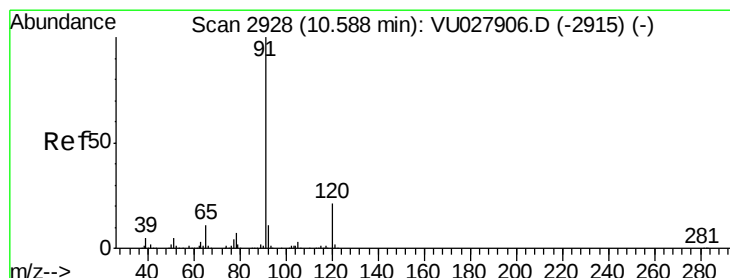
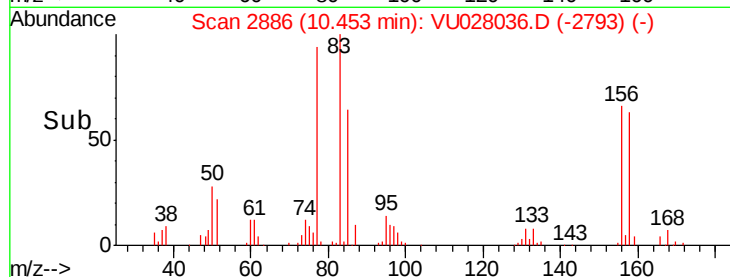
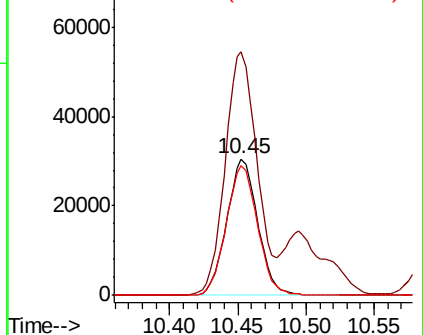
158 95.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.089 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028036.D

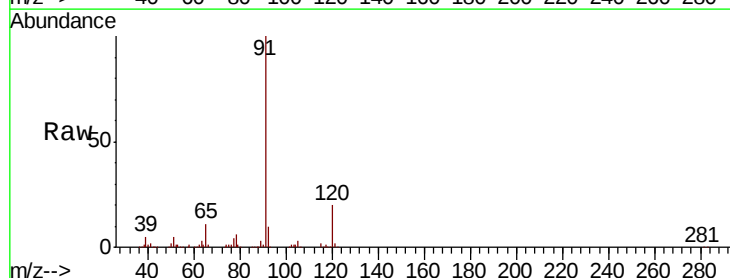
Acq: 09 Nov 2018 11:55

Tgt Ion: 91 Resp: 249870

Ion Ratio Lower Upper

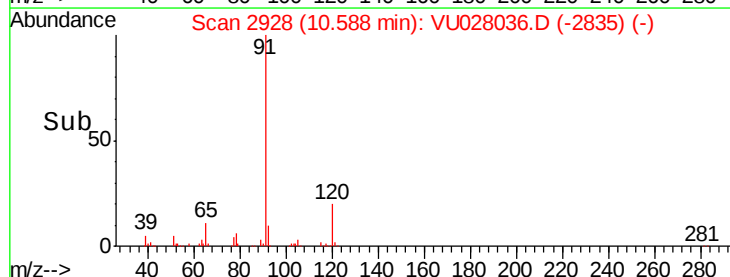
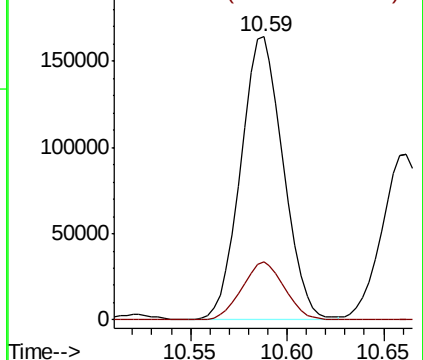
91 100

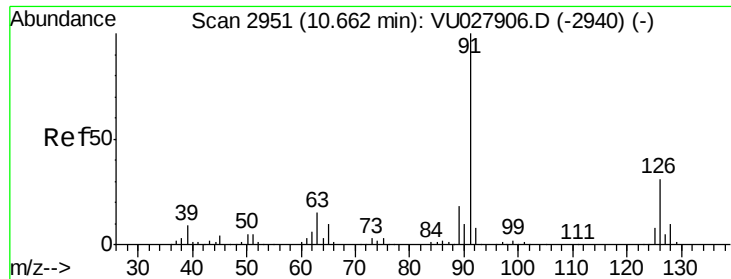
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

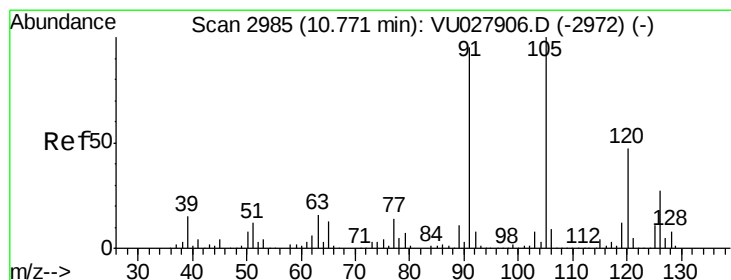
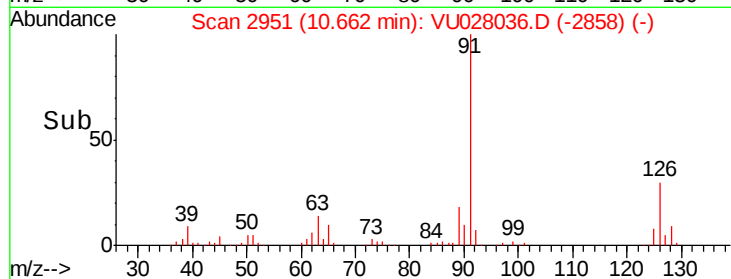
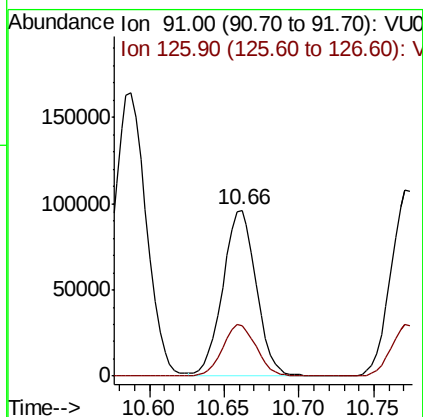
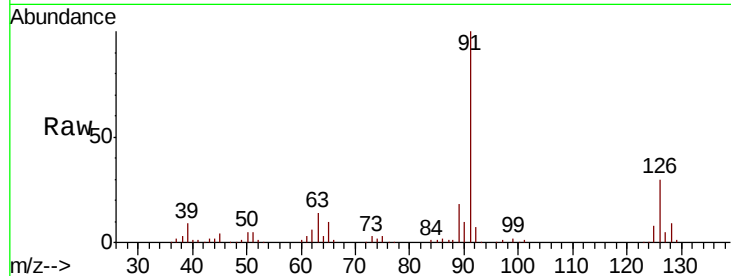




#79
 2-Chlorotoluene
 Concen: 19.946 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

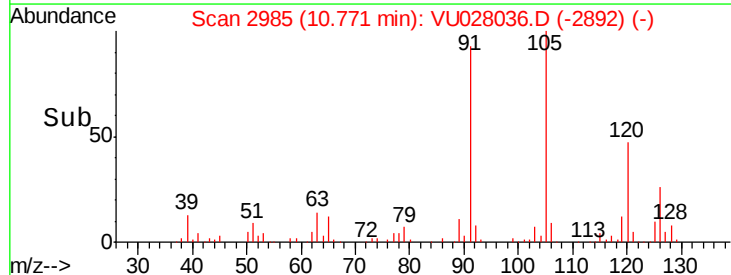
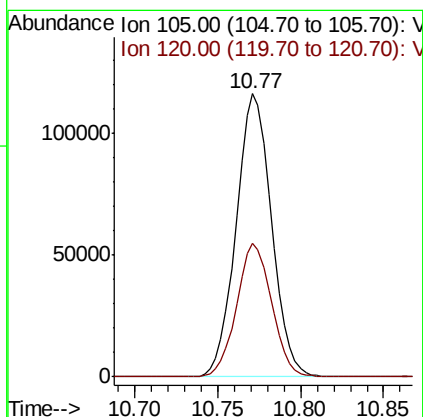
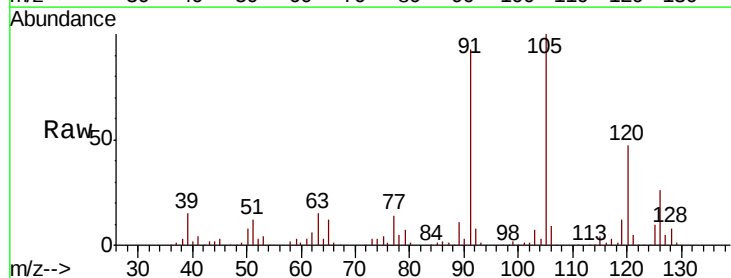
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

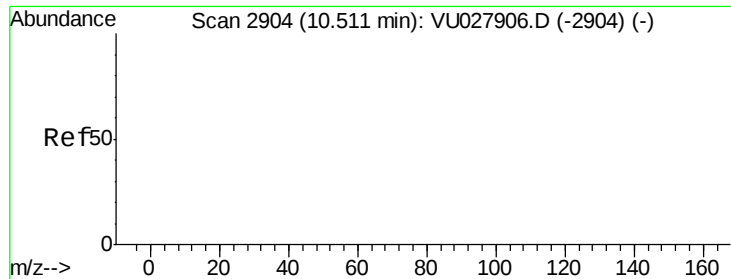
Tot Ion: 91 Resp: 148707
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.083 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion: 105 Resp: 172870
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 67.085 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

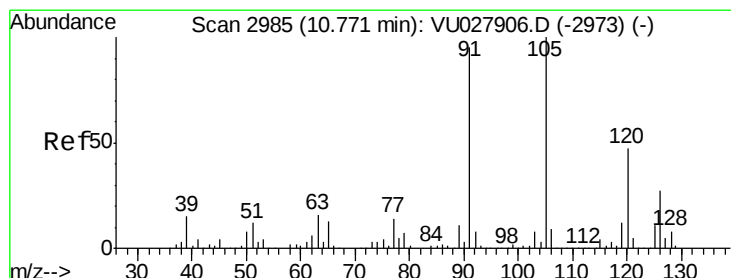
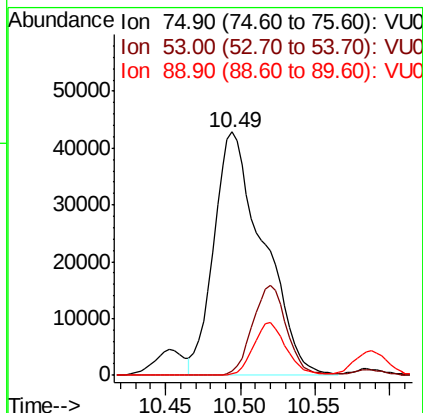
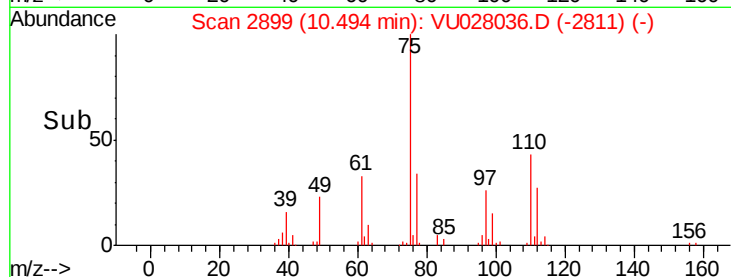
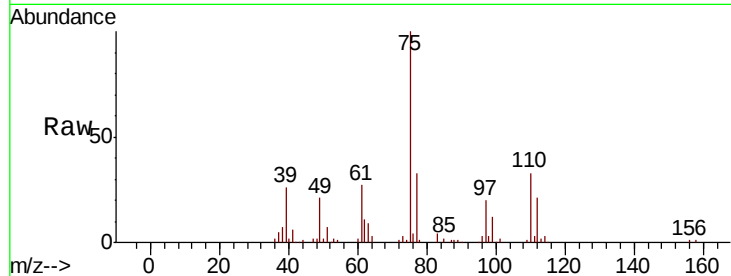
Tot Ion: 75 Resp: 98711

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.429 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028036.D

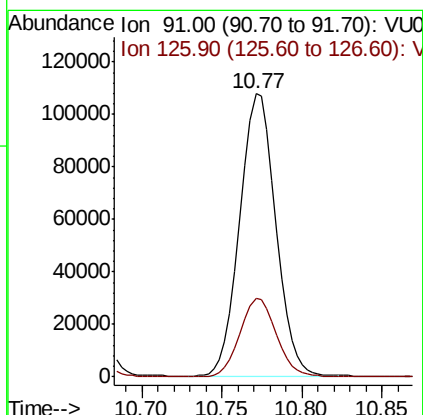
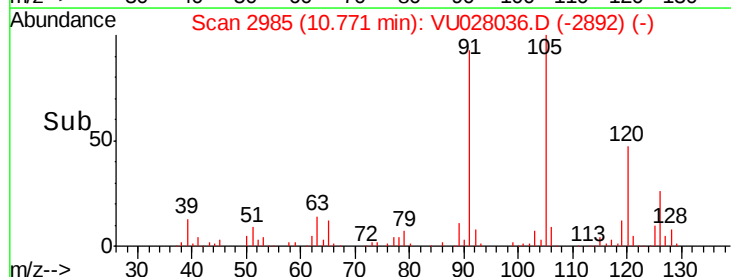
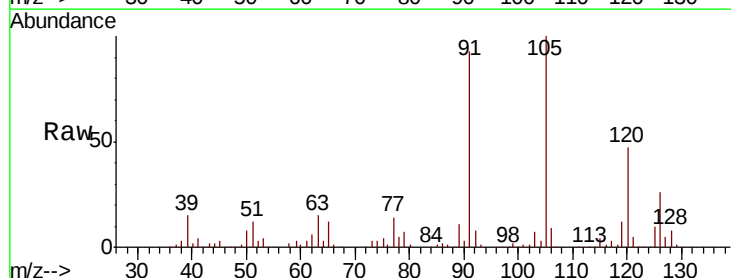
Acq: 09 Nov 2018 11:55

Tgt Ion: 91 Resp: 164444

Ion Ratio Lower Upper

91 100

126 28.2 14.2 42.6

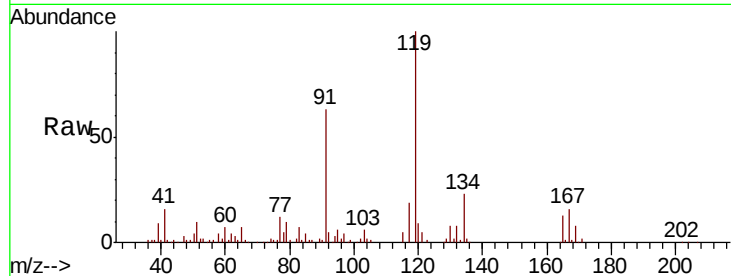




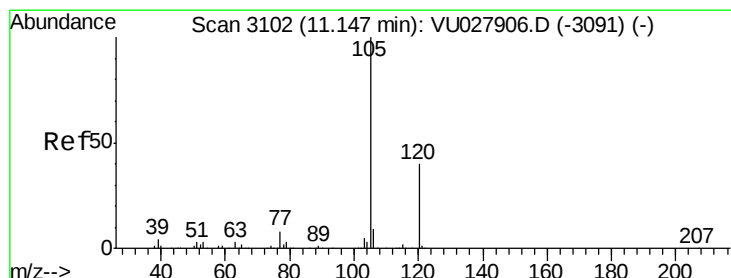
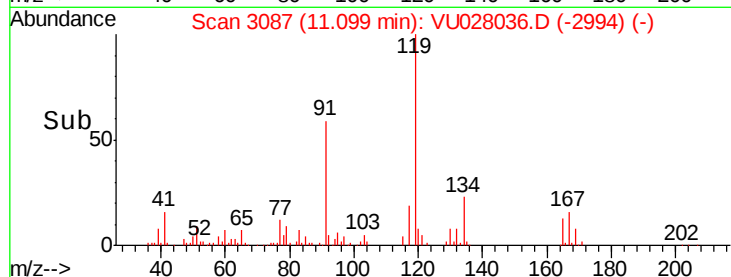
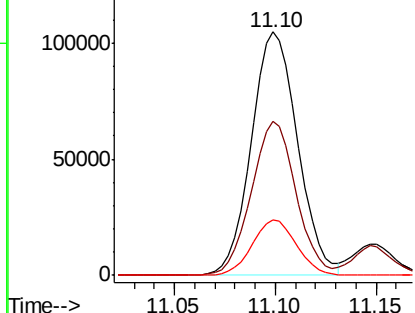
#83
tert-Butylbenzene
Concen: 19.578 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

Tot Ion:119 Resp: 168476
Ion Ratio Lower Upper
119 100
91 60.8 29.8 89.3
134 21.9 11.1 33.1

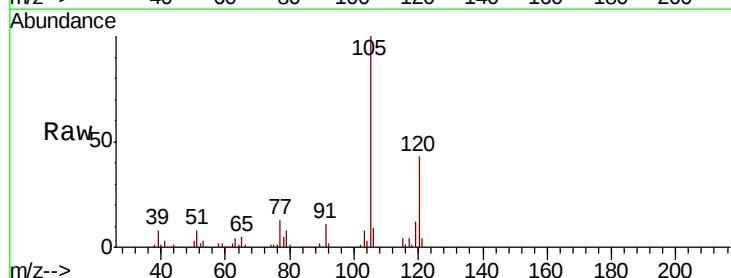


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

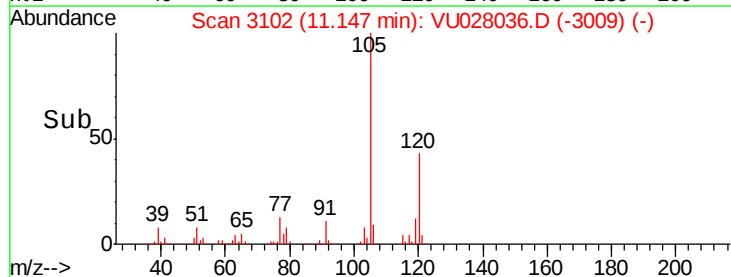
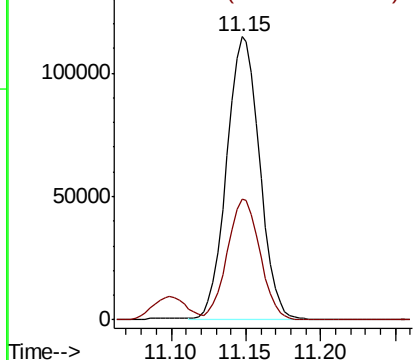


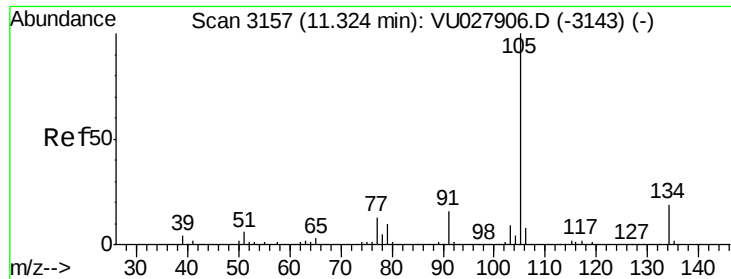
#84
1,2,4-Trimethylbenzene
Concen: 20.253 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion:105 Resp: 175548
Ion Ratio Lower Upper
105 100
120 42.3 22.1 66.1



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

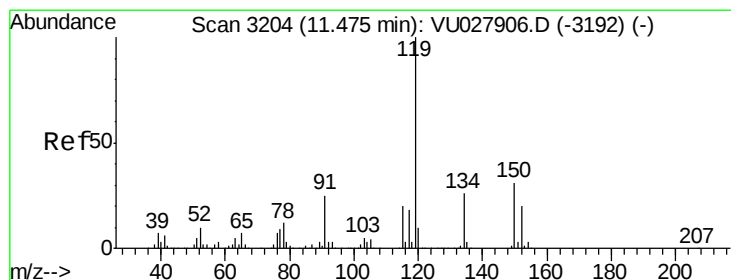
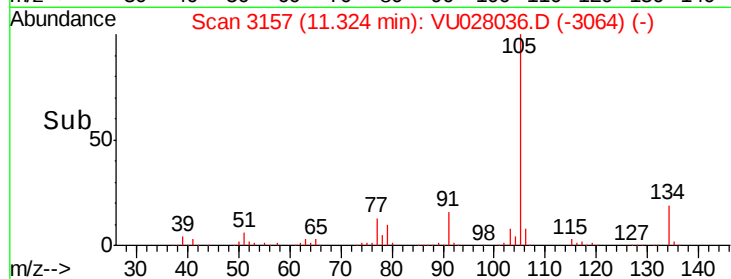
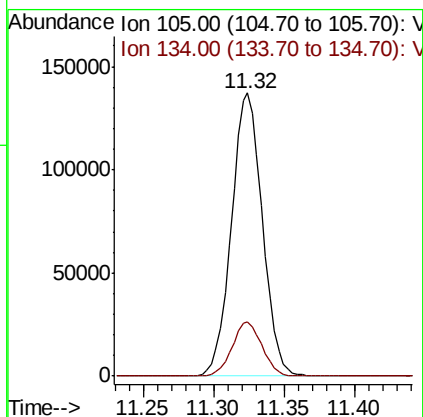
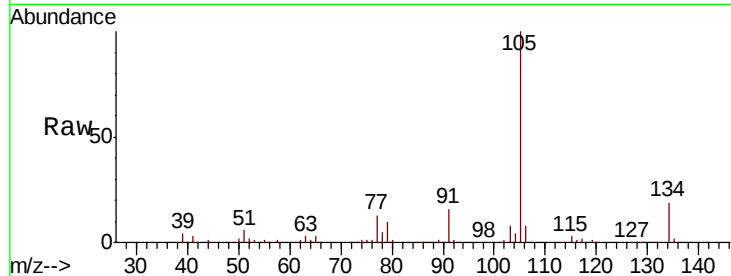




#85
 sec-Butylbenzene
 Concen: 20.062 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

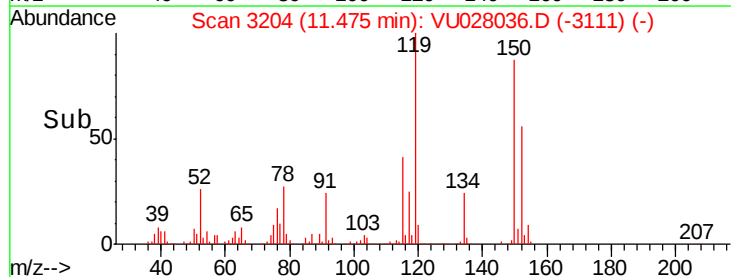
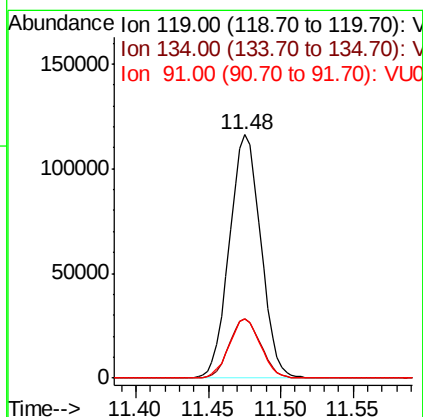
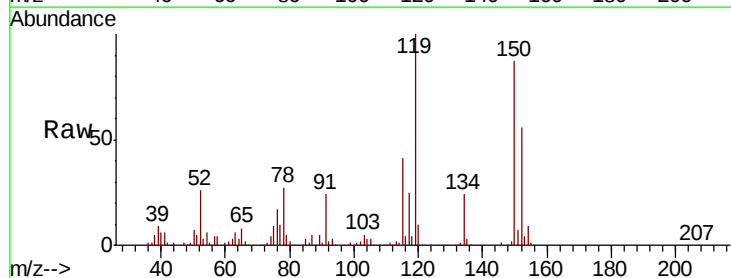
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

Tot Ion:105 Resp: 209960
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.982 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion:119 Resp: 174825
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.7
 91 24.2 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.063 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

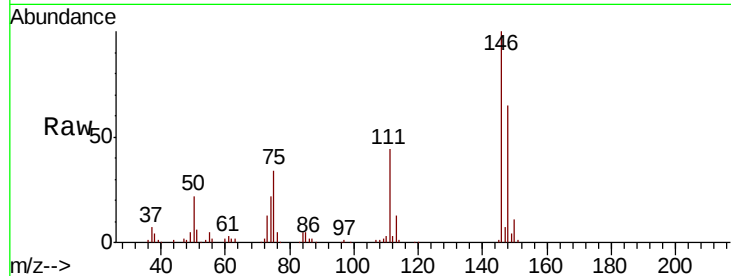
Tot Ion:146 Resp: 83904

Ion Ratio Lower Upper

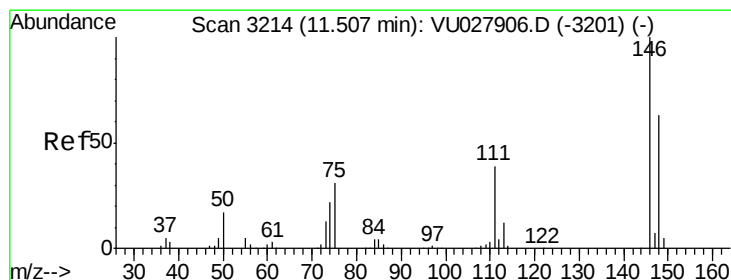
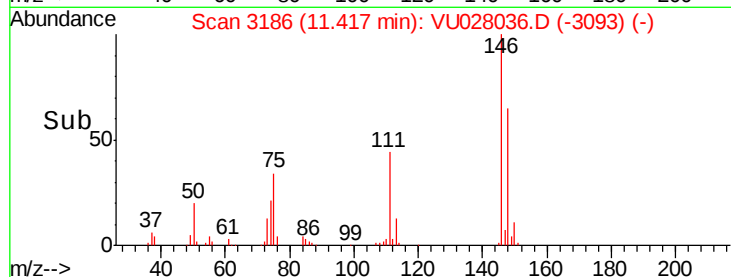
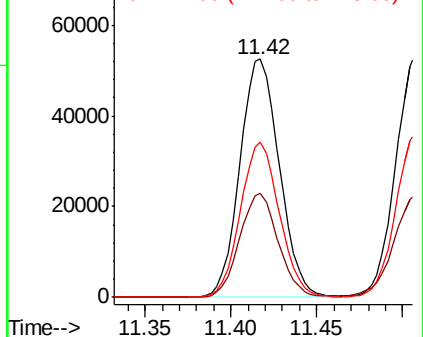
146 100

111 42.8 20.3 61.0

148 64.5 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 18.592 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

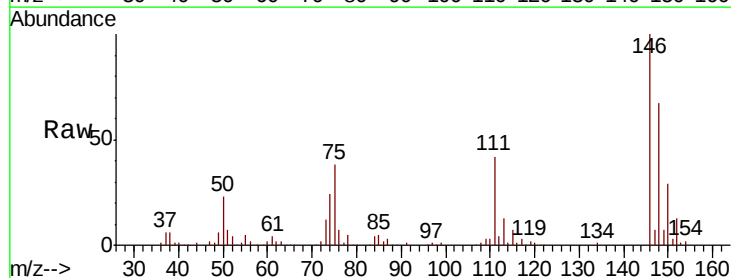
Tgt Ion:146 Resp: 83876

Ion Ratio Lower Upper

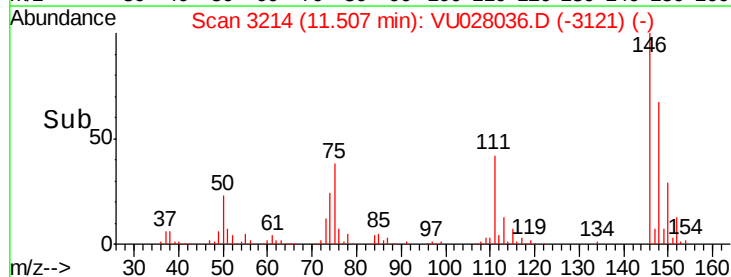
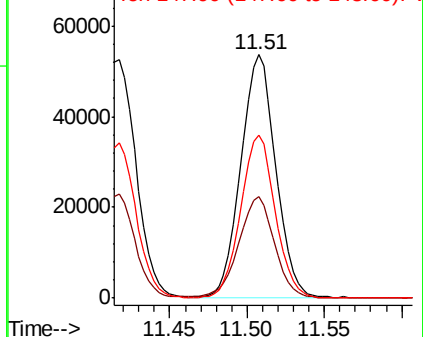
146 100

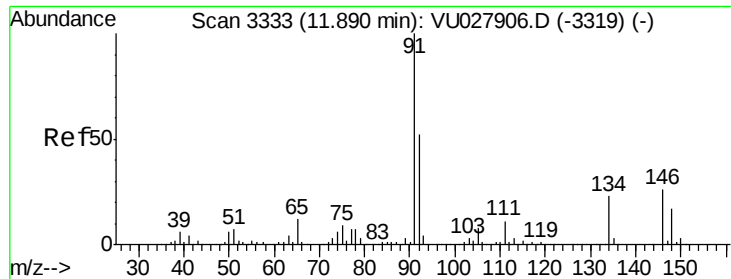
111 42.8 20.3 60.9

148 67.0 32.0 96.2



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

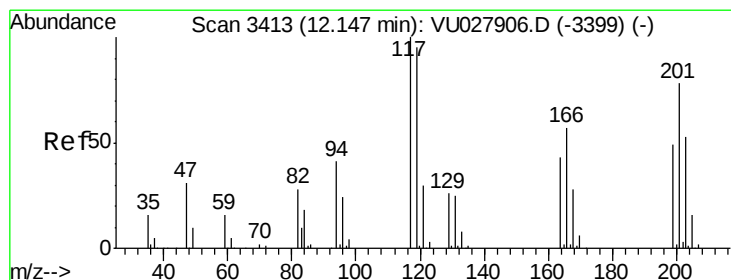
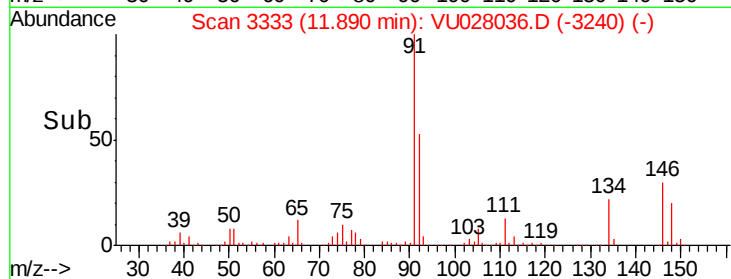
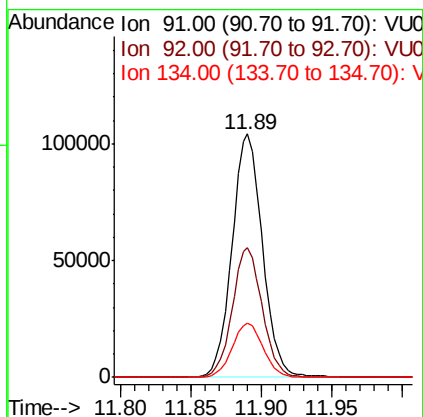
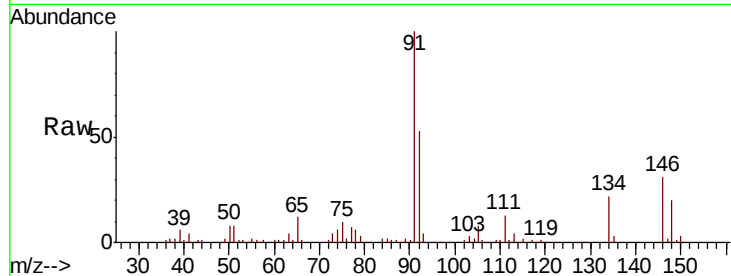




#89
n-Butylbenzene
Concen: 18.939 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

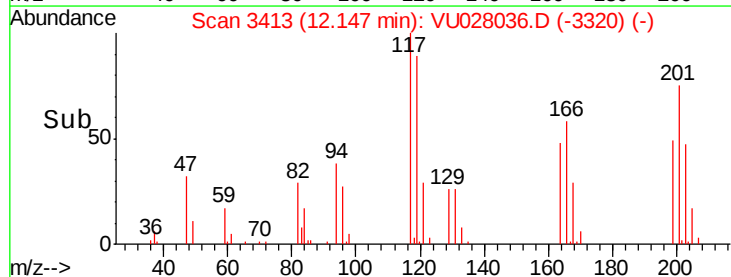
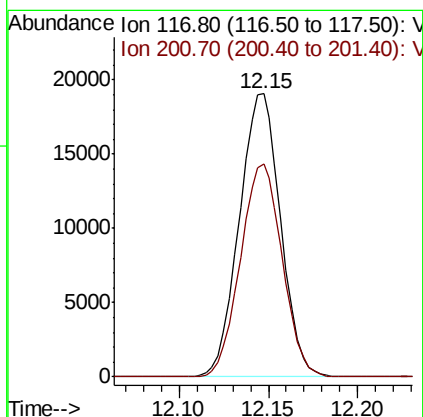
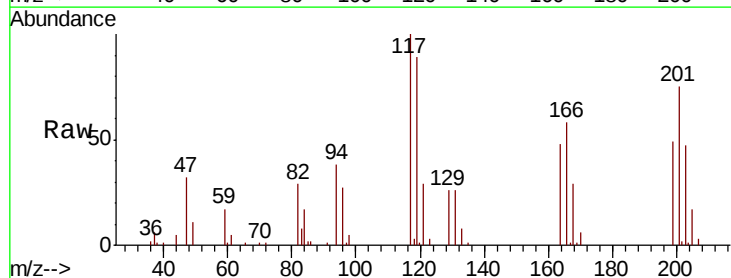
Instrument :
MSVOA_U
ClientSampleId :
VU1109MBS01

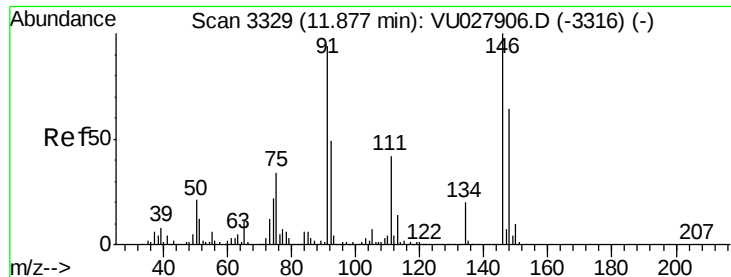
Tot Ion: 91 Resp: 157473
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.5
134 22.6 11.5 34.5



#90
Hexachloroethane
Concen: 19.768 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028036.D
Acq: 09 Nov 2018 11:55

Tgt Ion: 117 Resp: 30791
Ion Ratio Lower Upper
117 100
201 76.1 38.5 115.5

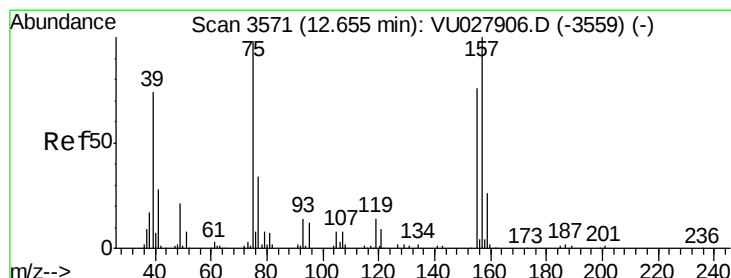
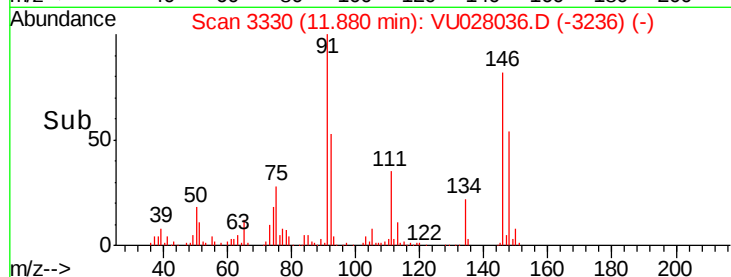
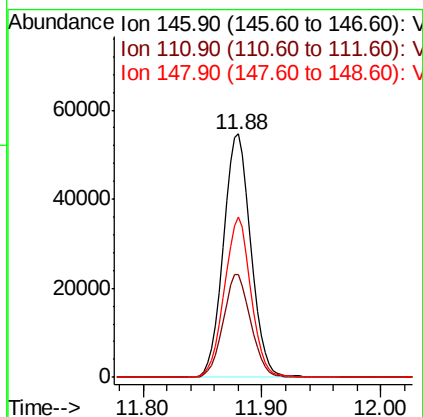
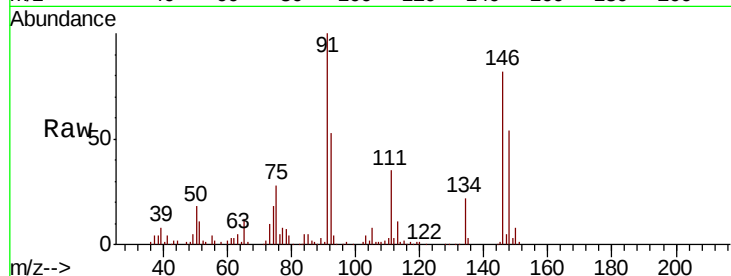




#91
 1,2-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

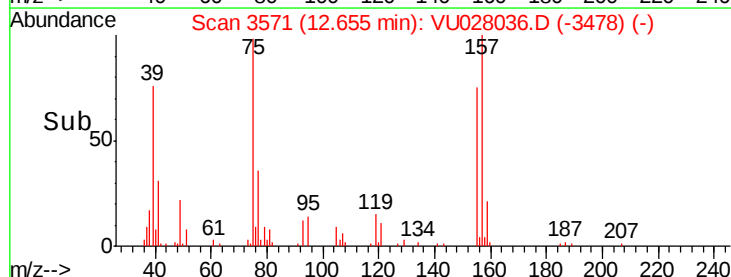
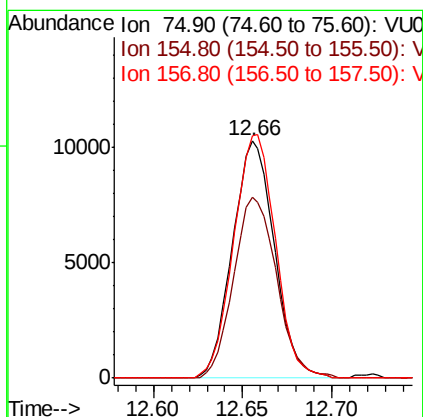
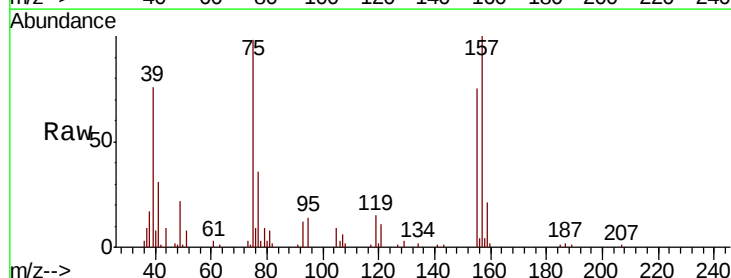
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

Tot Ion:146 Resp: 87494
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.3 64.0
 148 63.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.021 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion: 75 Resp: 16799
 Ion Ratio Lower Upper
 75 100
 155 78.5 39.8 119.3
 157 102.6 50.6 151.9

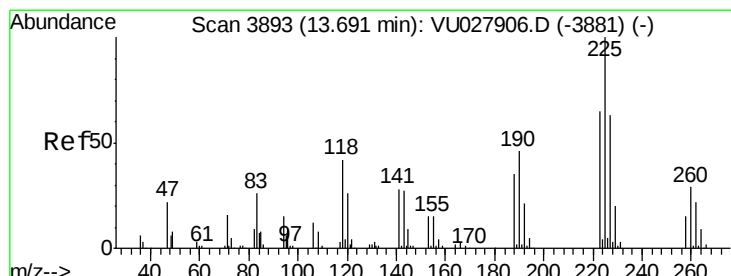
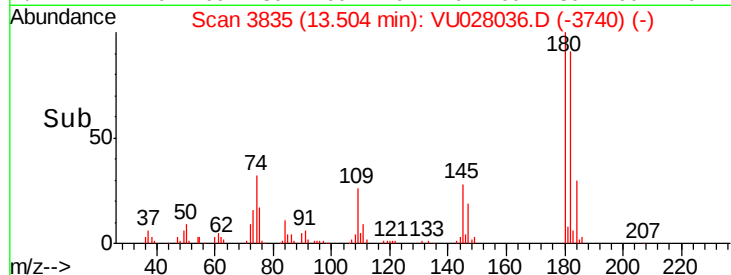
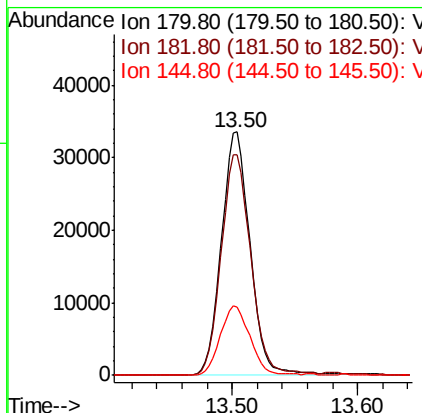
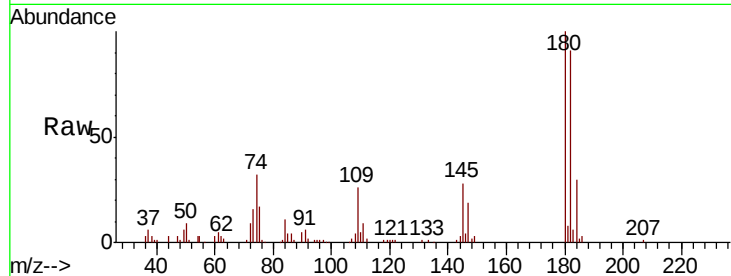




#93
 1,2,4-Trichlorobenzene
 Concen: 17.666 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

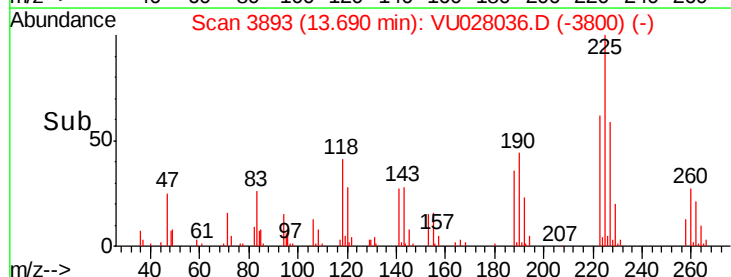
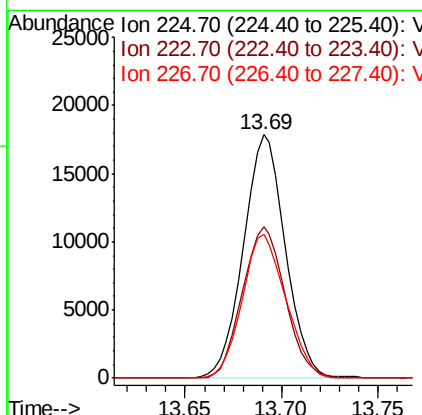
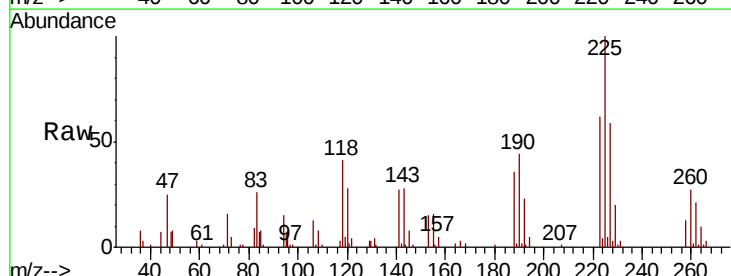
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109MBS01

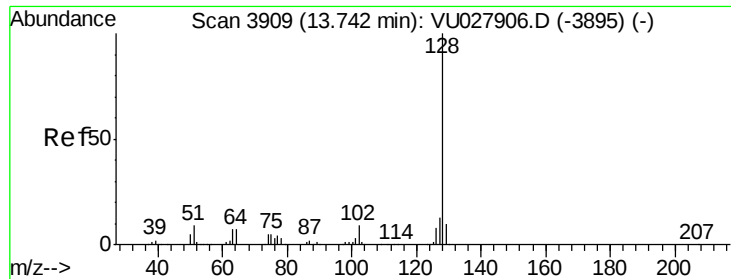
Tot Ion:180 Resp: 53446
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.4 145.2
 145 29.6 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 19.145 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028036.D
 Acq: 09 Nov 2018 11:55

Tgt Ion:225 Resp: 26933
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.2 96.6
 227 61.2 32.5 97.4





#95

Naphthalene

Concen: 17.850 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU1109MBS01

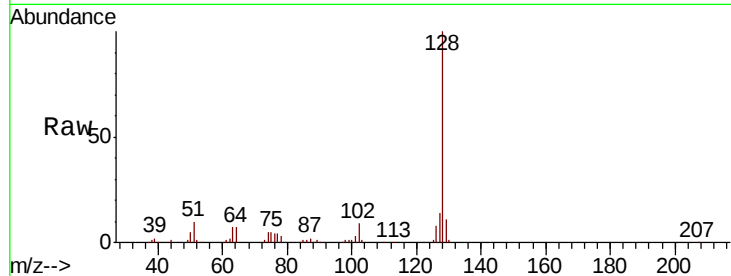
Tot Ion:128 Resp: 197676

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

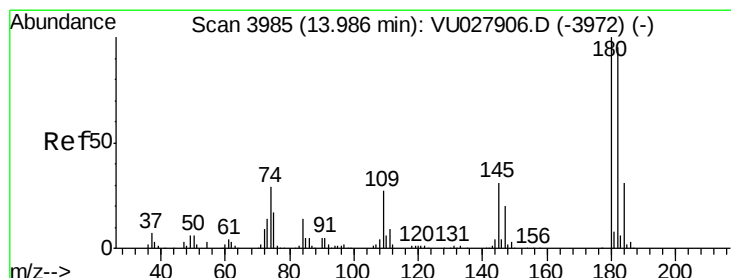
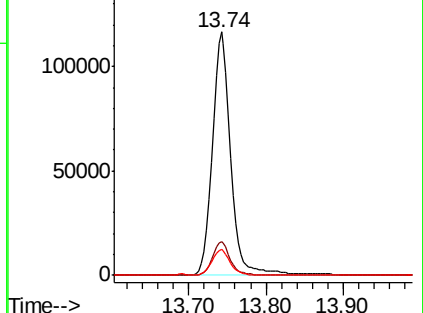
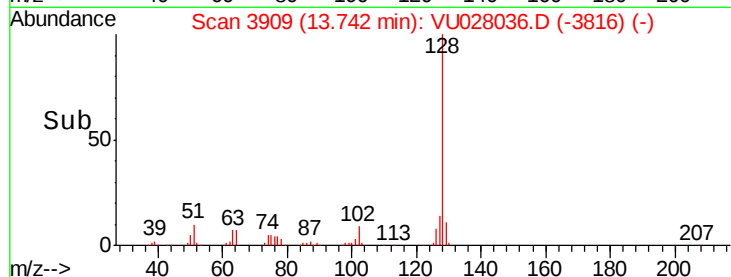
129 10.3 8.3 12.5



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: 19.040 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028036.D

Acq: 09 Nov 2018 11:55

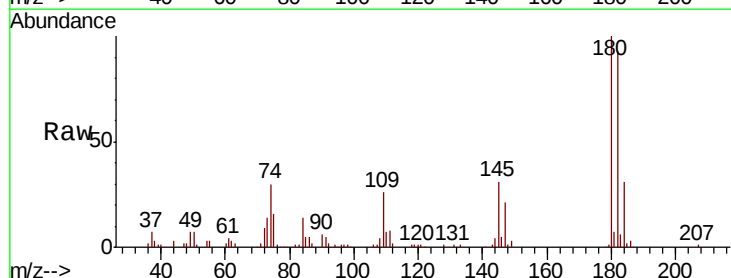
Tgt Ion:180 Resp: 56553

Ion Ratio Lower Upper

180 100

182 96.9 47.4 142.3

145 32.0 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

