

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027944.D
 Acq On : 05 Nov 2018 10:07
 Operator : MD/SY
 Sample : VU1105WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Quant Time: Nov 06 03:21:05 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	187170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	140023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132832	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	4.88	113	95956	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	7.57	98	372486	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	10.31	95	136504	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	40276	16.935	ug/l	98
3) Chloromethane	1.33	50	50666	17.615	ug/l	99
4) Vinyl Chloride	1.40	62	51169	17.924	ug/l	99
5) Bromomethane	1.63	94	24517	23.224	ug/l	100
6) Chloroethane	1.70	64	31075	18.889	ug/l	99
7) Trichlorofluoromethane	1.89	101	62276	18.878	ug/l	96
8) Diethyl Ether	2.11	74	26558	18.802	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38647	19.721	ug/l	98
10) Methyl Iodide	2.41	142	31710	22.644	ug/l	96
11) Tert butyl alcohol	2.83	59	63703	86.472	ug/l	100
12) 1,1-Dichloroethene	2.29	96	36816	18.768	ug/l	97
13) Acrolein	2.20	56	19238	65.993	ug/l	94
14) Allyl chloride	2.59	41	86137	17.966	ug/l	98
15) Acrylonitrile	2.94	53	176487	97.528	ug/l	99
16) Acetone	2.32	43	171852	99.537	ug/l	98
17) Carbon Disulfide	2.48	76	115862	18.070	ug/l	99
18) Methyl Acetate	2.62	43	89308	18.804	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	154583	19.541	ug/l	98
20) Methylene Chloride	2.70	84	48140	19.097	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	40398	17.845	ug/l	95
22) Diisopropyl ether	3.58	45	190211	19.217	ug/l	96
23) Vinyl Acetate	3.53	43	831354	97.730	ug/l	99
24) 1,1-Dichloroethane	3.45	63	93325	18.929	ug/l	100
25) 2-Butanone	4.26	43	268952	97.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	74390	20.106	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	50319	19.821	ug/l	100
28) Bromochloromethane	4.55	49	47661	20.621	ug/l	99
29) Tetrahydrofuran	4.64	42	169805	92.582	ug/l	100
30) Chloroform	4.68	83	83738	18.524	ug/l	95
31) Cyclohexane	5.00	56	90916	17.700	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	67886	18.865	ug/l	98
36) 1,1-Dichloropropene	5.14	75	62974	18.825	ug/l	99
37) Ethyl Acetate	4.39	43	95526	19.489	ug/l	98
38) Carbon Tetrachloride	5.14	117	57455	19.380	ug/l	95

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Quant Time: Nov 06 03:21:05 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	78664	19.496	ug/l	98
40) Benzene	5.39	78	198419	19.400	ug/l	100
41) Methacrylonitrile	4.54	41	52655	20.129	ug/l	99
42) 1,2-Dichloroethane	5.41	62	70499	19.392	ug/l	98
43) Isopropyl Acetate	5.55	43	152143	19.812	ug/l	99
44) Trichloroethene	6.19	130	42424	19.297	ug/l	98
45) 1,2-Dichloropropane	6.43	63	57816	19.601	ug/l	95
46) Dibromomethane	6.56	93	33372	19.683	ug/l	97
47) Bromodichloromethane	6.76	83	65671	20.099	ug/l	99
48) Methyl methacrylate	6.62	41	75236	19.992	ug/l	99
49) 1,4-Dioxane	6.62	88	20910	340.568	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	491833	95.901	ug/l	100
52) Toluene	7.64	92	114934	19.114	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	76586	19.597	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	83763	20.796	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47788	19.535	ug/l	99
56) Ethyl methacrylate	8.02	69	85926	19.918	ug/l	99
57) 1,3-Dichloropropane	8.24	76	86668	19.449	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	227492	98.459	ug/l	100
59) 2-Hexanone	8.36	43	385822	97.268	ug/l	100
60) Dibromochloromethane	8.48	129	48309	20.869	ug/l	97
61) 1,2-Dibromoethane	8.59	107	50804	19.545	ug/l	99
64) Tetrachloroethene	8.23	164	36462	19.126	ug/l	99
65) Chlorobenzene	9.12	112	119642	19.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	43196	20.359	ug/l	98
67) Ethyl Benzene	9.25	91	225185	19.695	ug/l	100
68) m/p-Xylenes	9.38	106	163663	39.450	ug/l	100
69) o-Xylene	9.78	106	80296	19.167	ug/l	99
70) Styrene	9.79	104	129609	19.363	ug/l	100
71) Bromoform	9.96	173	34867	19.609	ug/l #	100
73) Isopropylbenzene	10.17	105	219078	20.196	ug/l	99
74) N-amyl acetate	10.01	43	130362	19.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	86062	19.669	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	103321	26.977	ug/l	82
77) Bromobenzene	10.45	156	50834	20.437	ug/l	97
78) n-propylbenzene	10.59	91	259993	20.024	ug/l	99
79) 2-Chlorotoluene	10.66	91	151882	19.515	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	180602	20.098	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	103321	67.263	ug/l #	100
82) 4-Chlorotoluene	10.77	91	169820	19.220	ug/l	100
83) tert-Butylbenzene	11.10	119	174145	19.385	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	180452	19.943	ug/l	99
85) sec-Butylbenzene	11.32	105	218601	20.009	ug/l	100
86) p-Isopropyltoluene	11.48	119	182172	19.946	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	89289	19.433	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	92306	19.600	ug/l	99
89) n-Butylbenzene	11.89	91	172169	19.835	ug/l	100
90) Hexachloroethane	12.14	117	33152	20.388	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	91232	19.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18933	20.535	ug/l	97

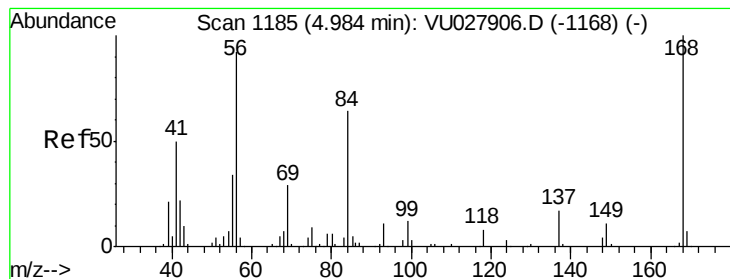
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	59150	18.688	ug/l	100
94) Hexachlorobutadiene	13.69	225	28910	19.686	ug/l	98
95) Naphthalene	13.74	128	212008	18.344	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	62071	20.019	ug/l	99

(#) = 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: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

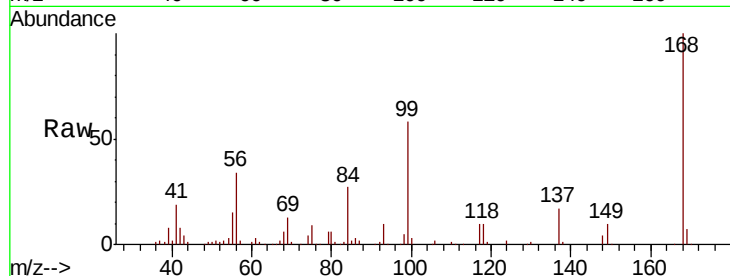
VU1105WBSD01

Tot Ion:168 Resp: 187170

Ion Ratio Lower Upper

168 100

99 58.3 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

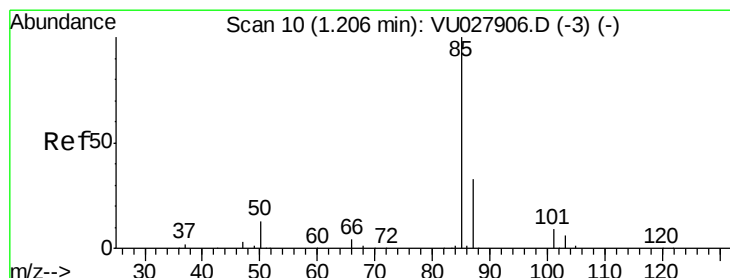
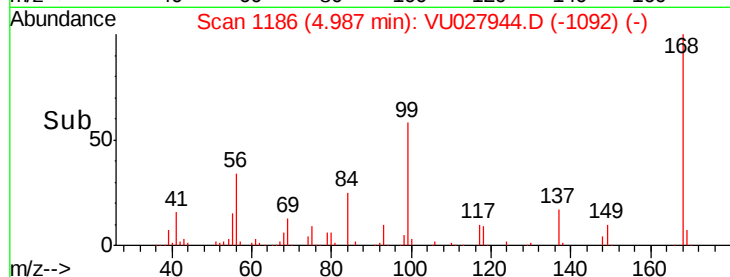
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.935 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027944.D

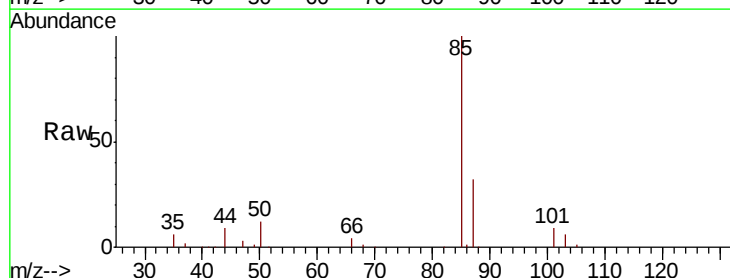
Acq: 05 Nov 2018 10:07

Tgt Ion: 85 Resp: 40276

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

40000

30000

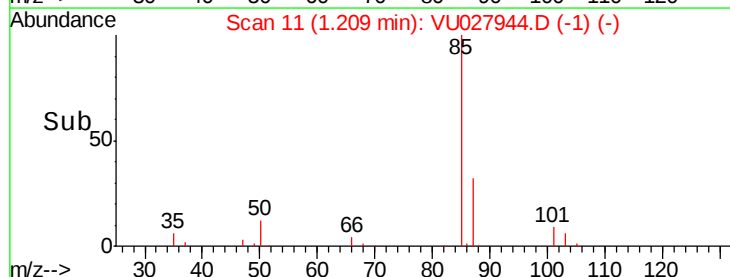
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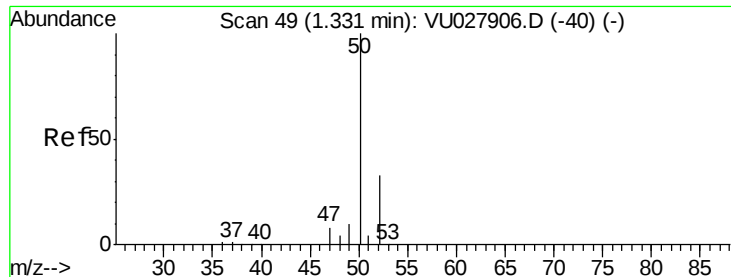
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.615 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

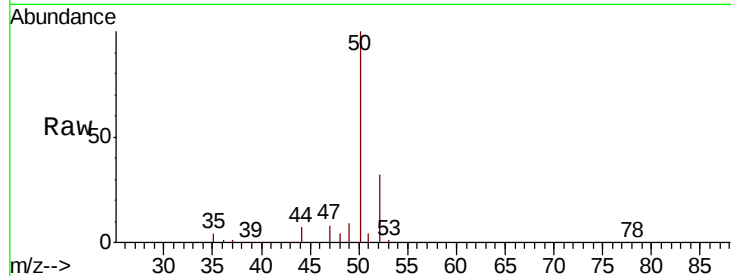
VU1105WBSD01

Tot Ion: 50 Resp: 50666

Ion Ratio Lower Upper

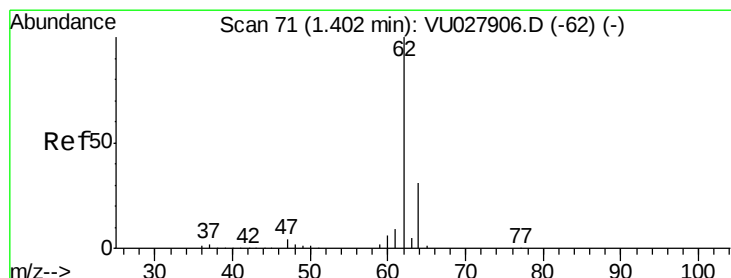
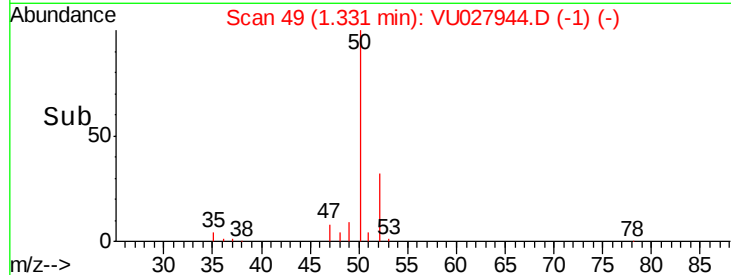
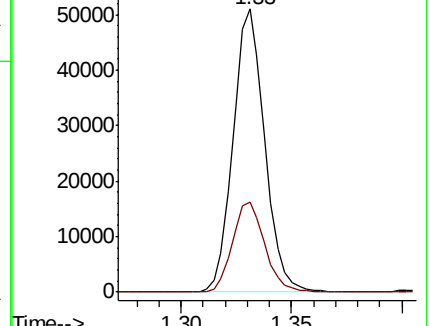
50 100

52 32.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027944.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.924 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027944.D

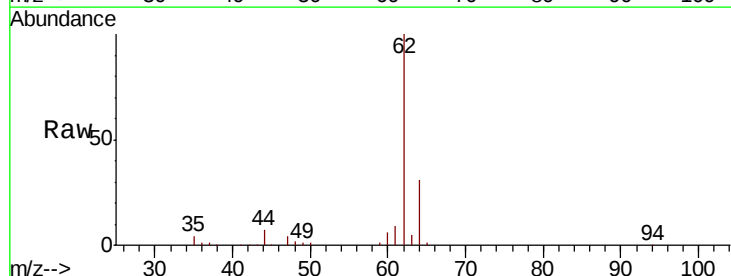
Acq: 05 Nov 2018 10:07

Tgt Ion: 62 Resp: 51169

Ion Ratio Lower Upper

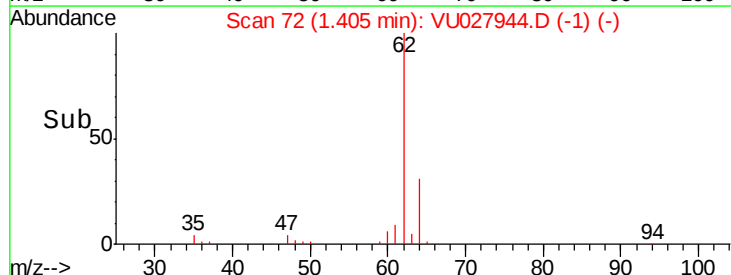
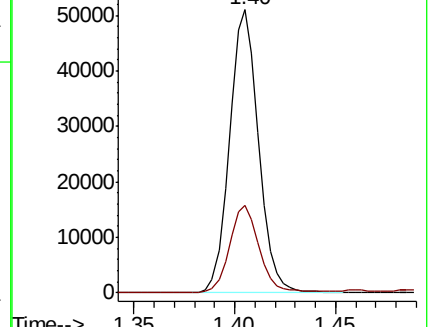
62 100

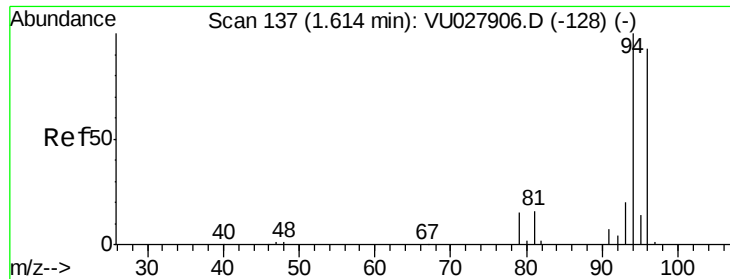
64 30.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027944.D (-1) (-)

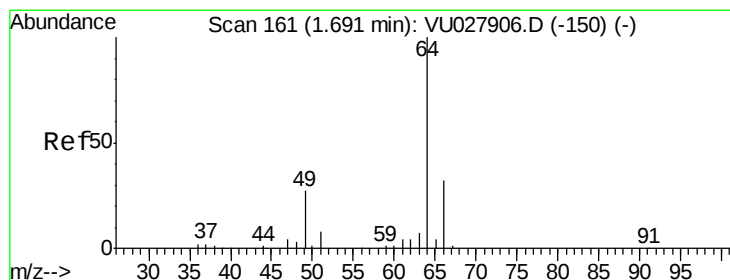
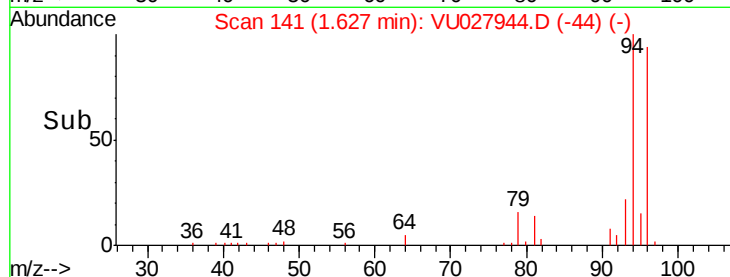
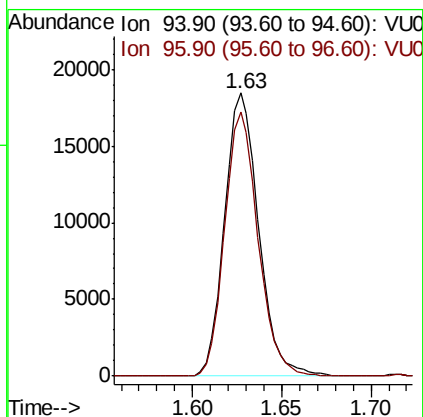
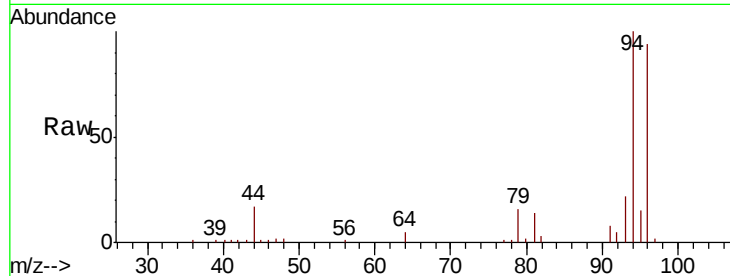




#5
Bromomethane
Concen: 23.224 ug/l
RT: 1.63 min Scan# 141
Delta R.T. 0.01 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

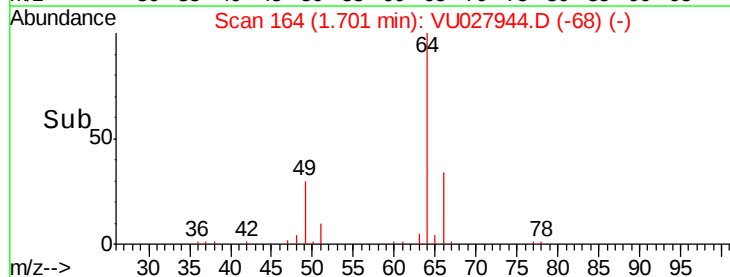
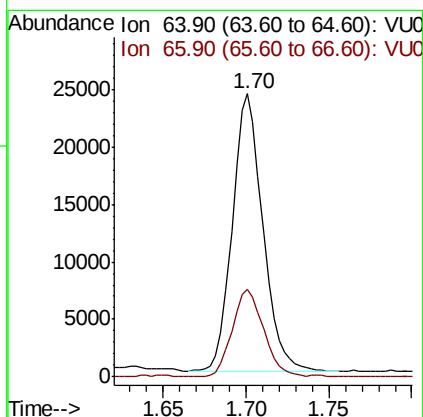
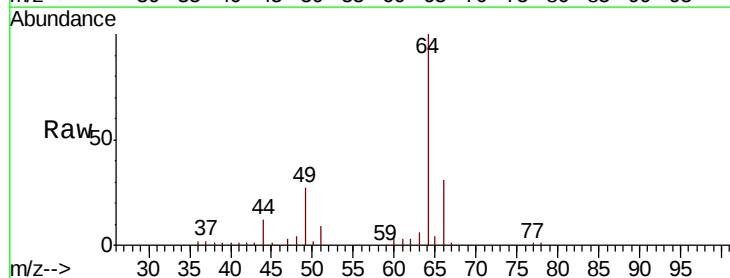
Instrument :
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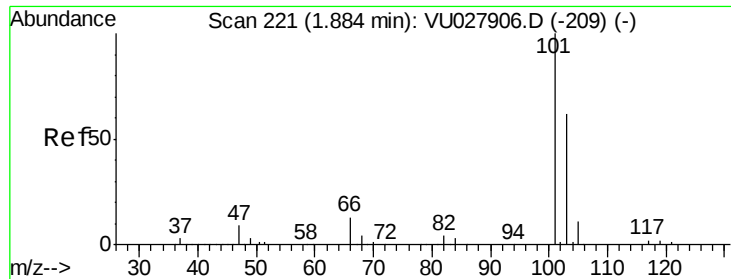
Tot Ion: 94 Resp: 24517
Ion Ratio Lower Upper
94 100
96 93.5 74.8 112.2



#6
Chloroethane
Concen: 18.889 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 64 Resp: 31075
Ion Ratio Lower Upper
64 100
66 31.6 25.9 38.9



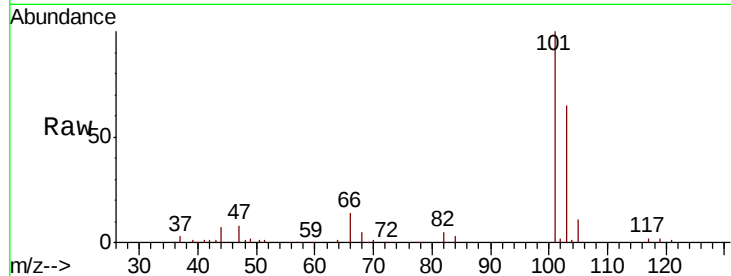


#7

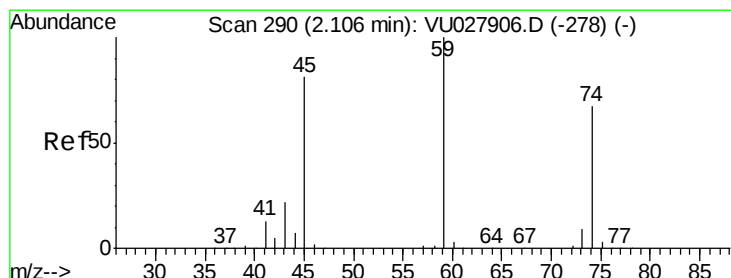
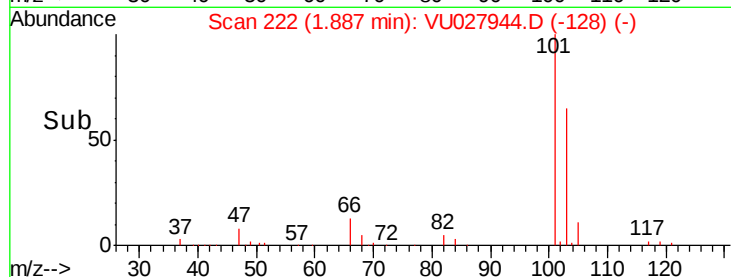
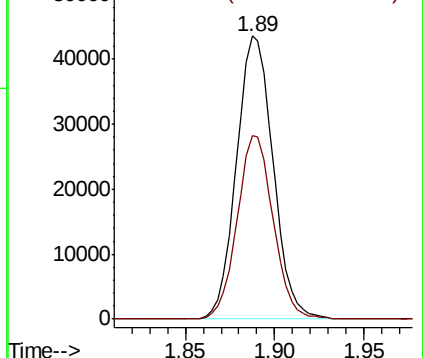
Trichlorofluoromethane
 Concen: 18.878 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Tot Ion:101 Resp: 62276
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.4 74.2



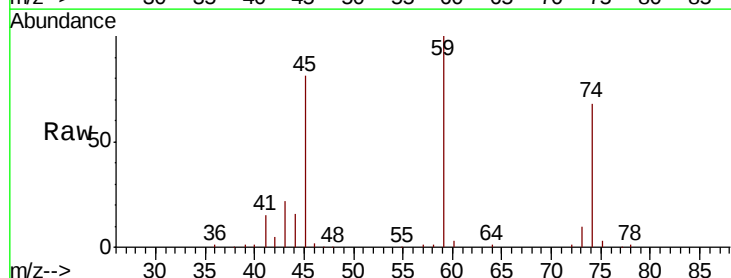
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



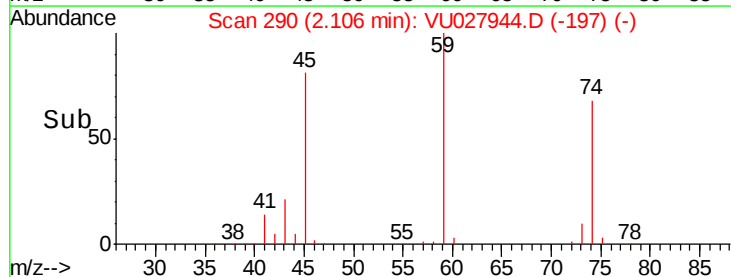
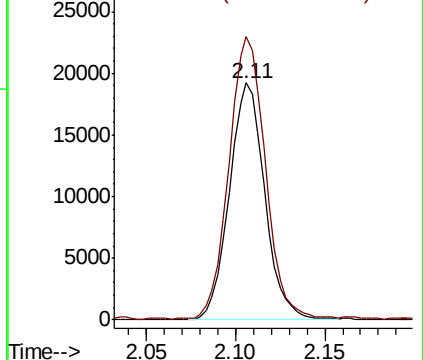
#8

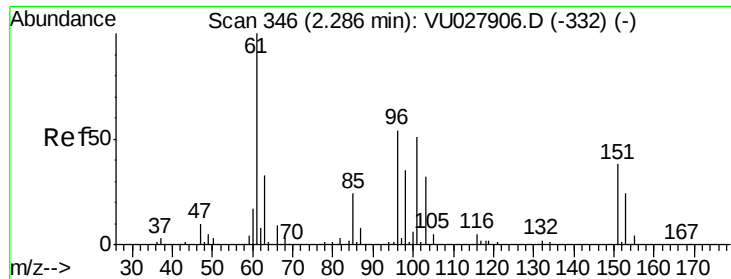
Diethyl Ether
 Concen: 18.802 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 74 Resp: 26558
 Ion Ratio Lower Upper
 74 100
 45 124.2 60.5 181.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.721 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

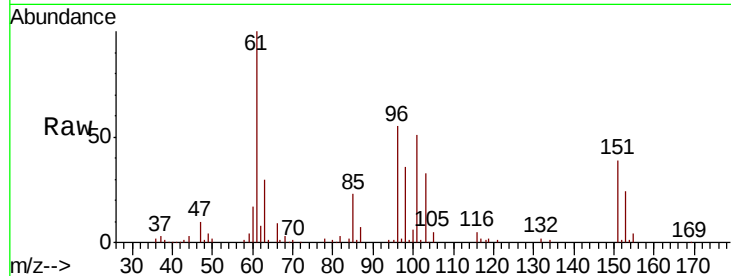
Tot Ion:101 Resp: 38647

Ion Ratio Lower Upper

101 100

85 45.4 36.9 55.3

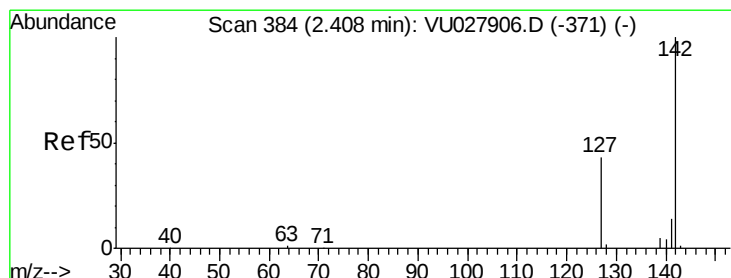
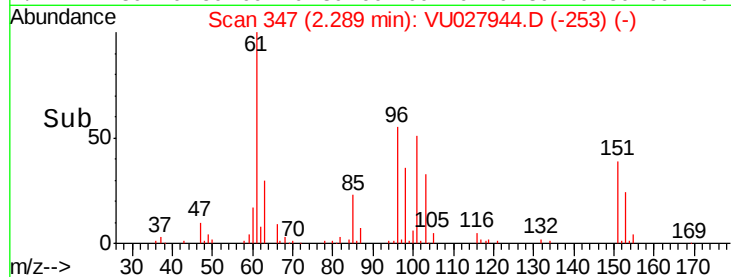
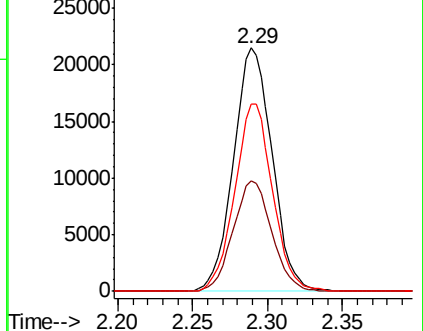
151 75.3 58.0 87.0



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: 22.644 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

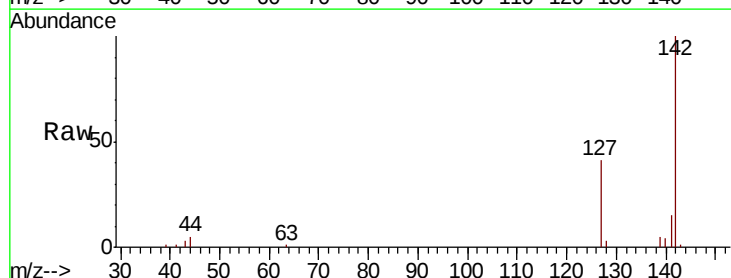
Tgt Ion:142 Resp: 31710

Ion Ratio Lower Upper

142 100

127 41.1 35.2 52.8

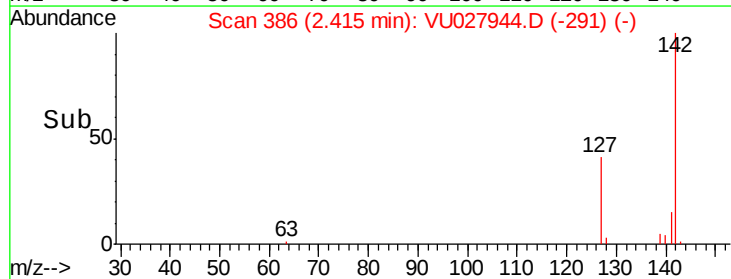
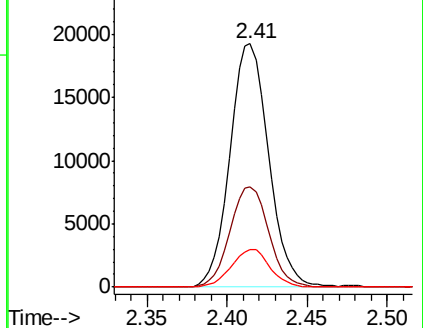
141 15.3 11.8 17.8

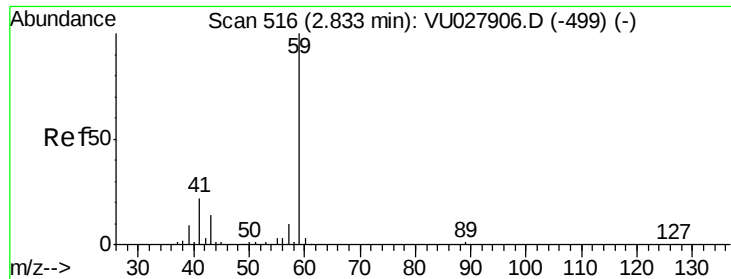


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



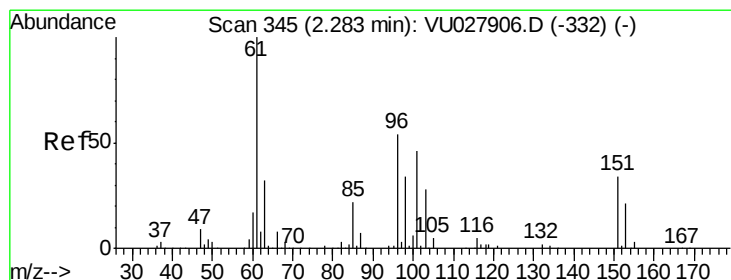
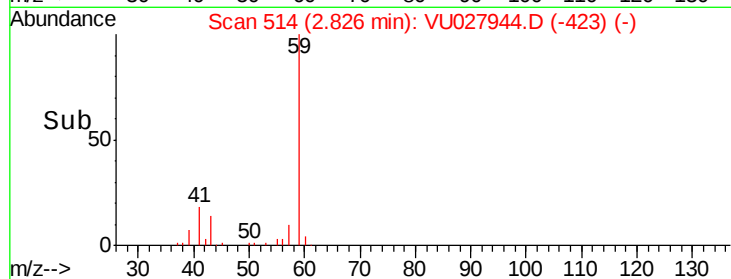
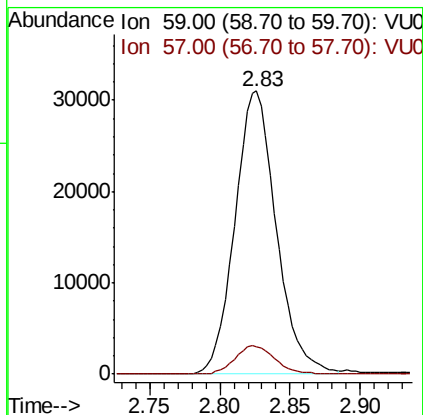
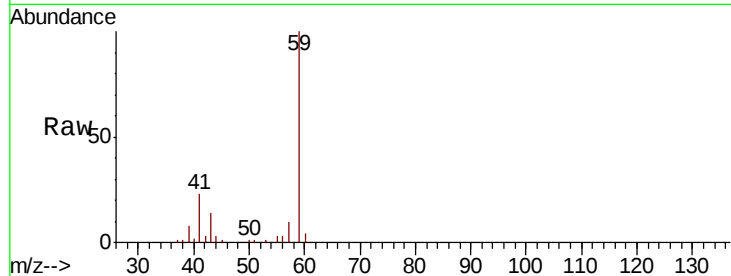


#11

Tert butyl alcohol
 Concen: 86.472 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

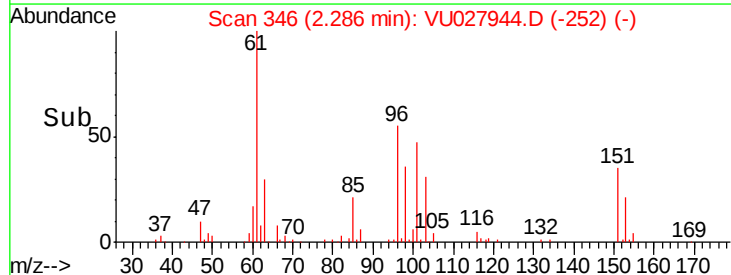
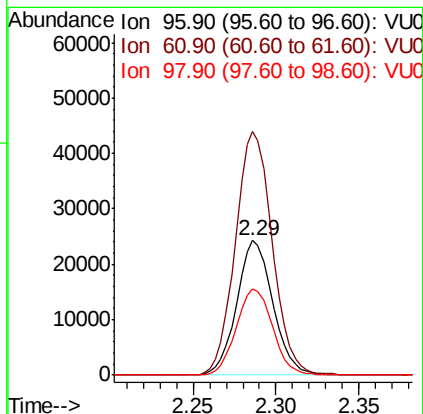
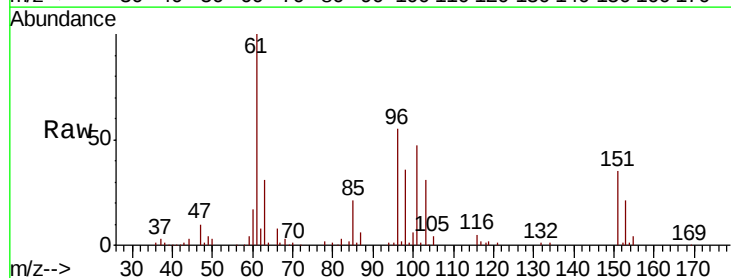
Tot Ion: 59 Resp: 63703
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.8

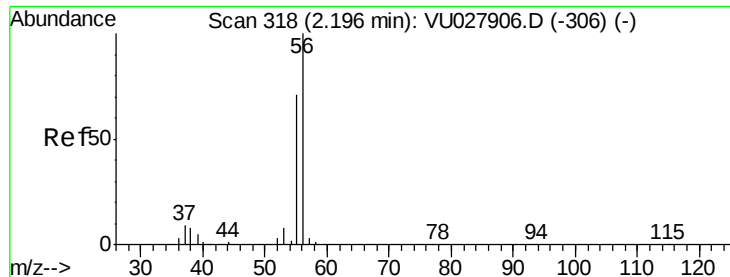


#12

1,1-Dichloroethene
 Concen: 18.768 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 96 Resp: 36816
 Ion Ratio Lower Upper
 96 100
 61 181.1 149.3 223.9
 98 64.3 50.6 75.8





#13

Acrolein

Concen: 65.993 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

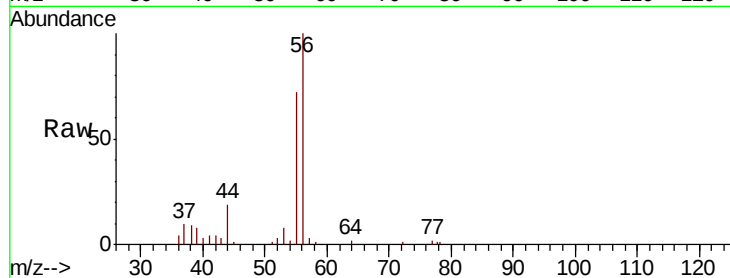
VU1105WBSD01

Tot Ion: 56 Resp: 19238

Ion Ratio Lower Upper

56 100

55 75.3 56.2 84.4



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

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

15000

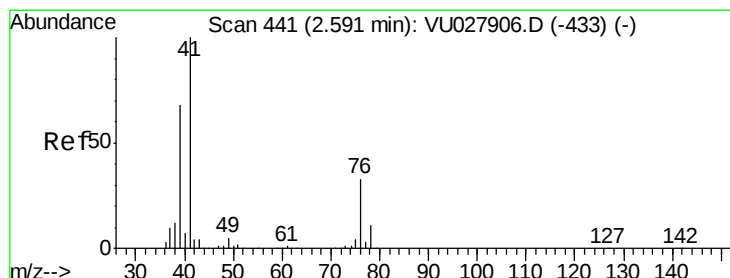
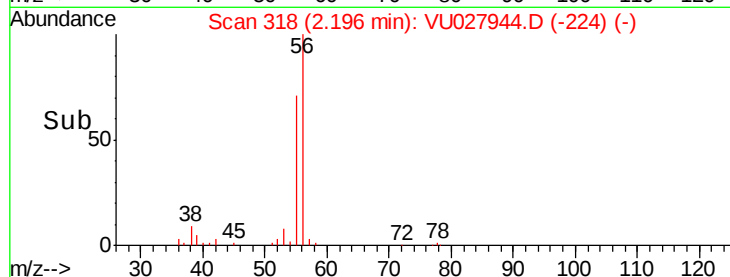
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 17.966 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

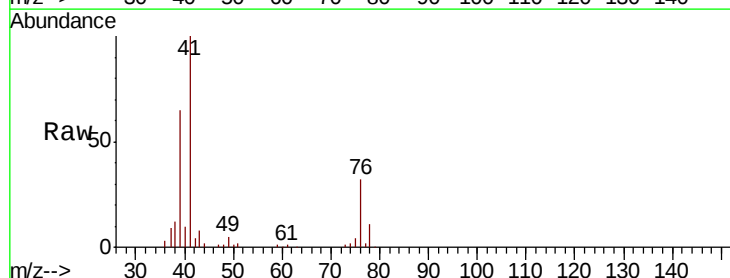
Tgt Ion: 41 Resp: 86137

Ion Ratio Lower Upper

41 100

39 66.1 51.9 77.9

76 30.7 23.8 35.6



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

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

60000

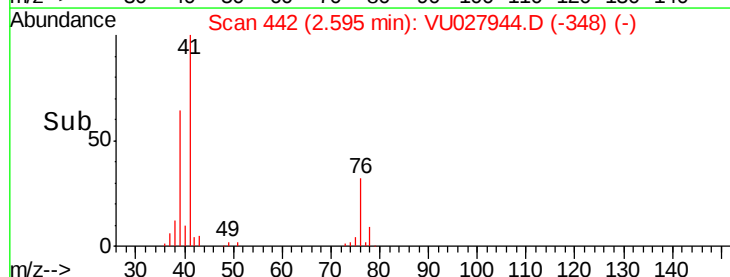
40000

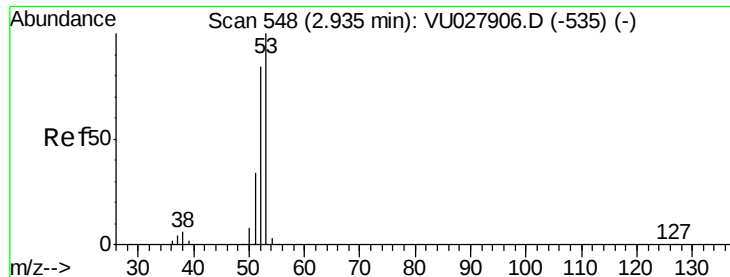
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 97.528 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

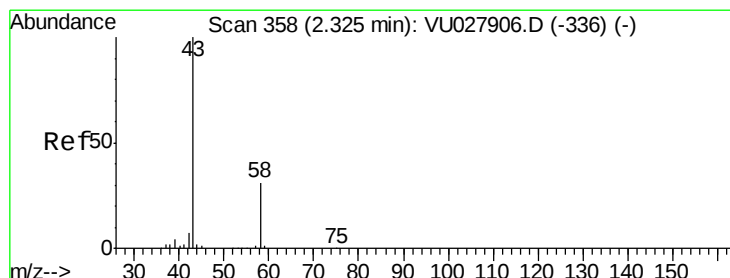
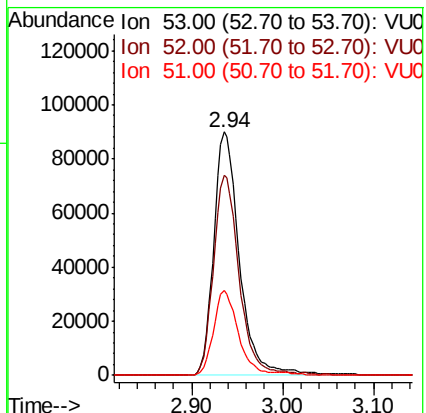
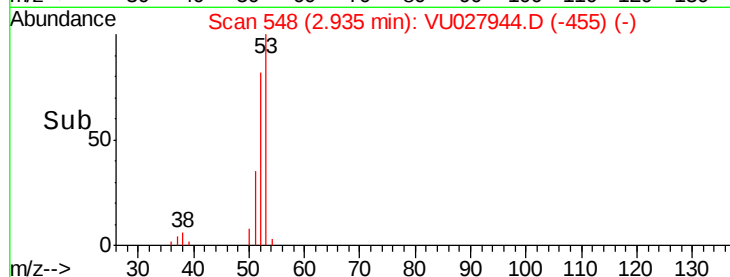
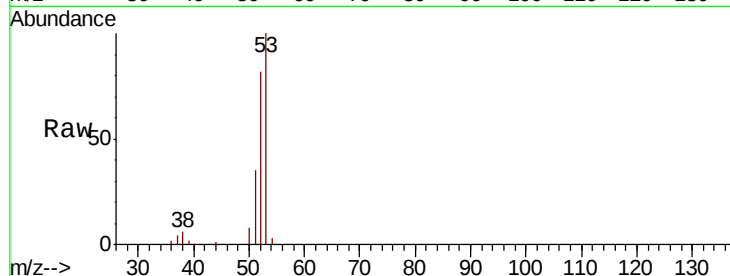
Tot Ion: 53 Resp: 176487

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

51 34.5 27.0 40.4



#16

Acetone

Concen: 99.537 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027944.D

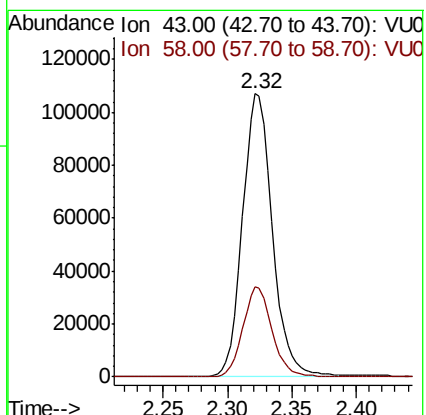
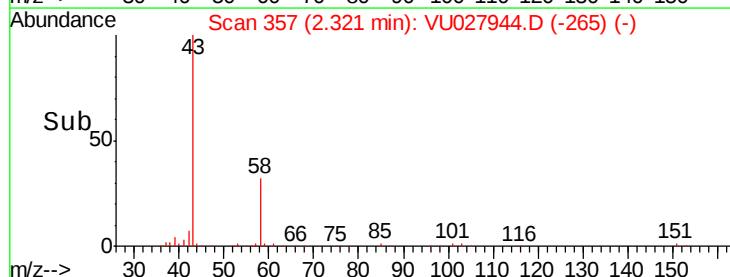
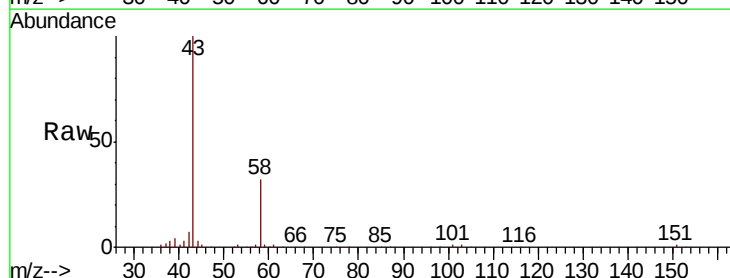
Acq: 05 Nov 2018 10:07

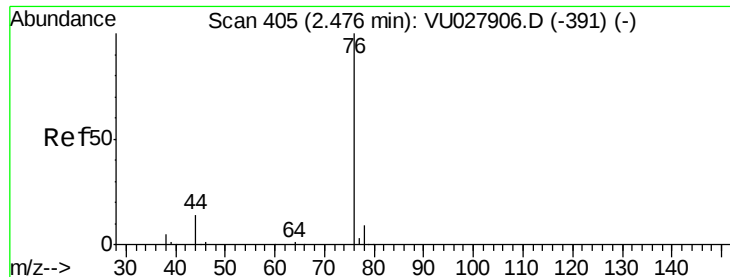
Tgt Ion: 43 Resp: 171852

Ion Ratio Lower Upper

43 100

58 31.8 24.6 37.0

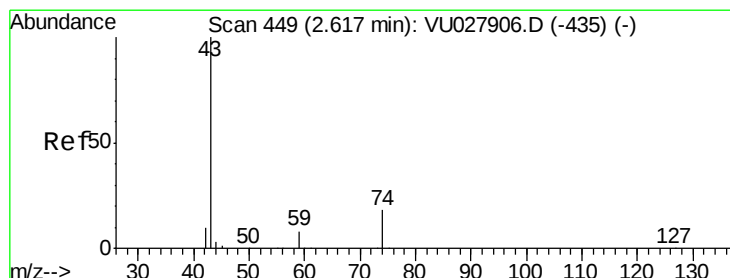
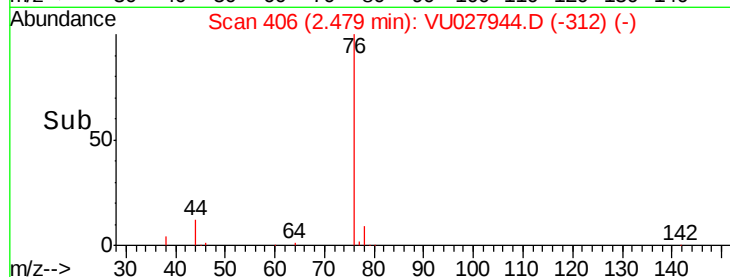
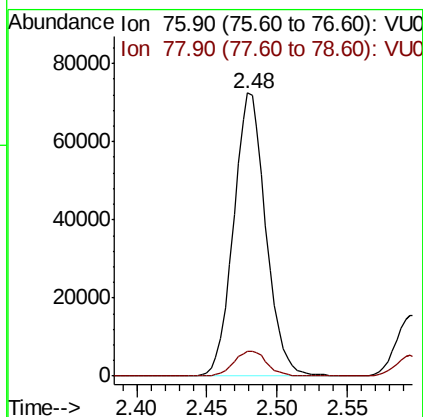
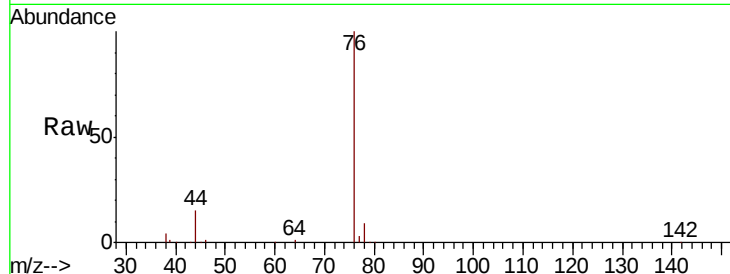




#17
Carbon Disulfide
Concen: 18.070 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

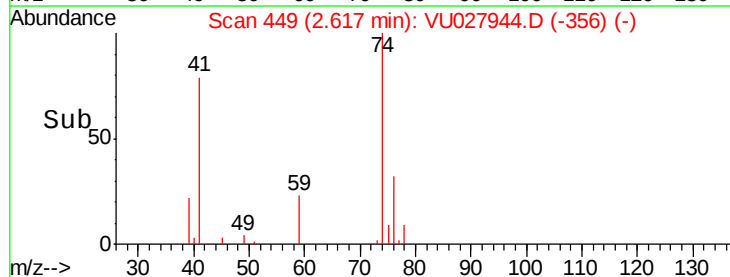
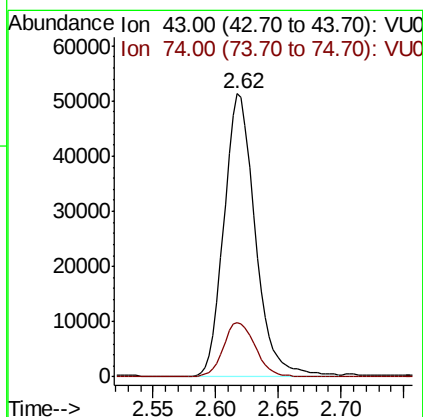
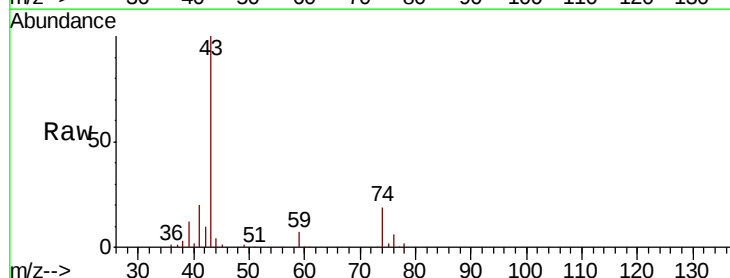
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Tot Ion: 76 Resp: 115862
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 18.804 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 43 Resp: 89308
Ion Ratio Lower Upper
43 100
74 19.5 14.9 22.3

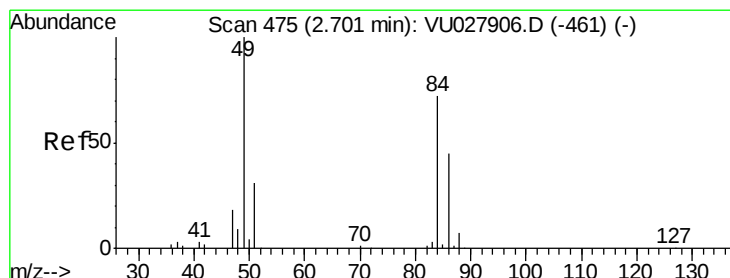
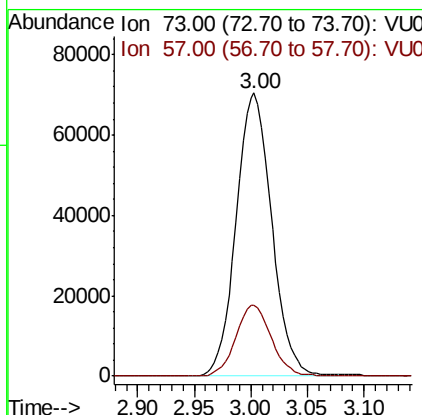
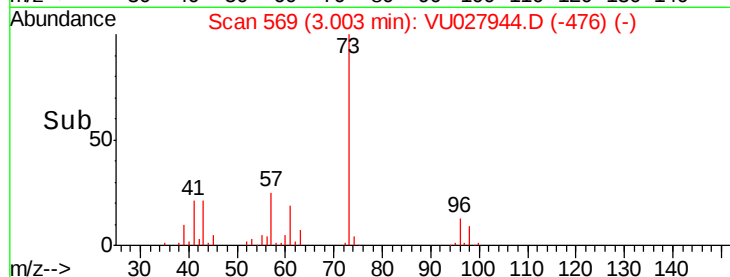
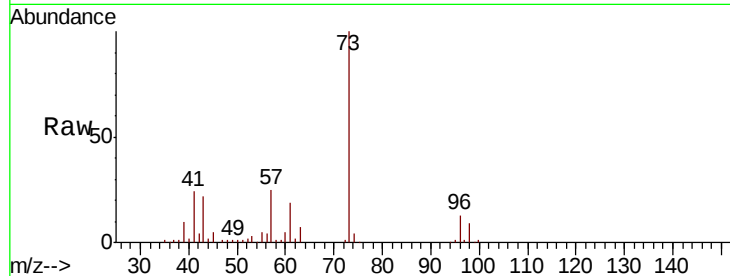




#19
Methvl tert-butvl Ether
Concen: 19.541 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

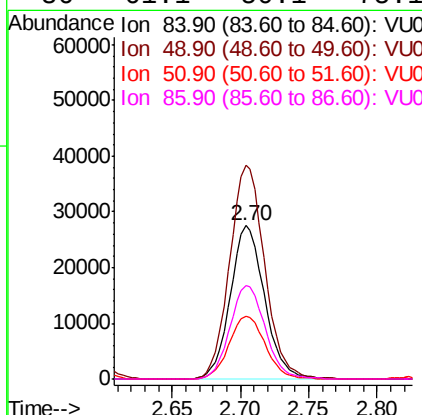
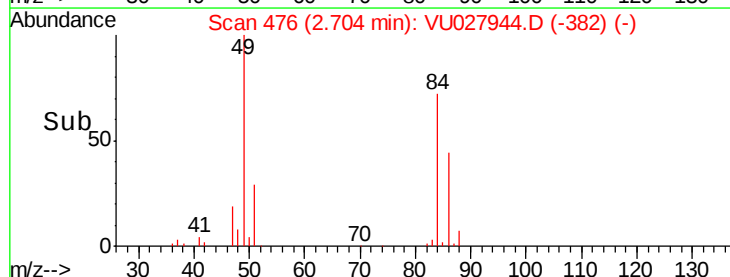
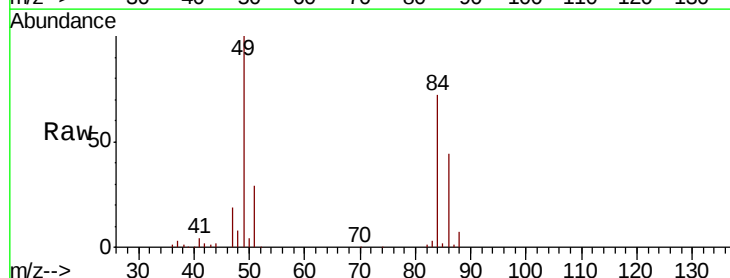
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

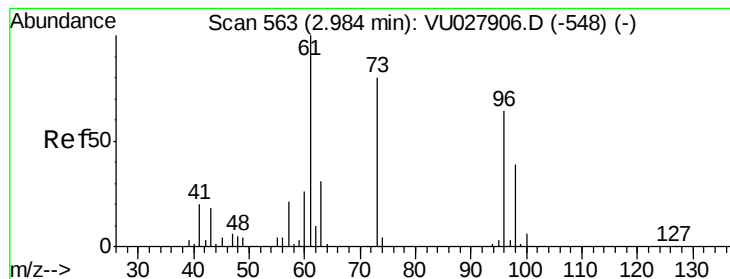
Tot Ion: 73 Resp: 154583
Ion Ratio Lower Upper
73 100
57 24.9 19.3 28.9



#20
Methylene Chloride
Concen: 19.097 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 84 Resp: 48140
Ion Ratio Lower Upper
84 100
49 139.2 111.6 167.4
51 40.5 34.8 52.2
86 61.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.845 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

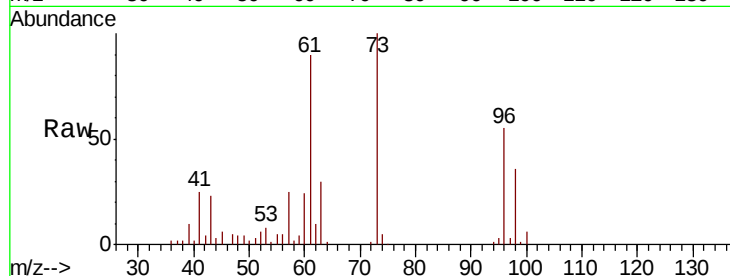
Tot Ion: 96 Resp: 40398

Ion Ratio Lower Upper

96 100

61 162.2 125.0 187.6

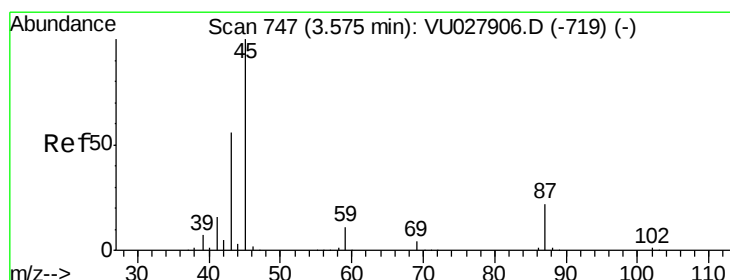
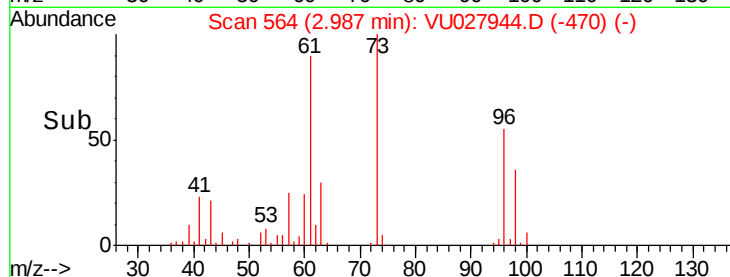
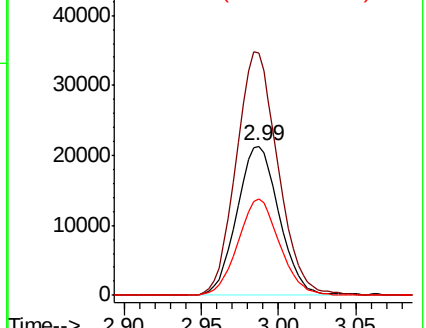
98 64.7 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 19.217 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Tgt Ion: 45 Resp: 190211

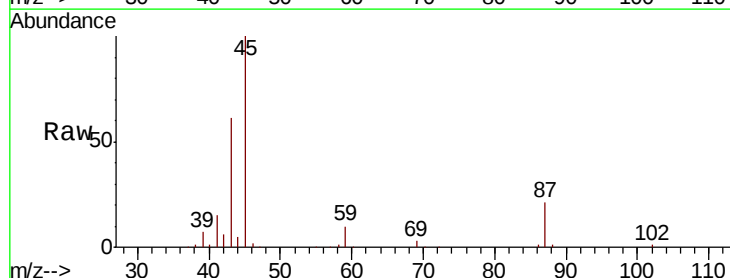
Ion Ratio Lower Upper

45 100

43 60.2 45.0 67.6

87 21.1 17.9 26.9

59 9.5 8.6 12.8

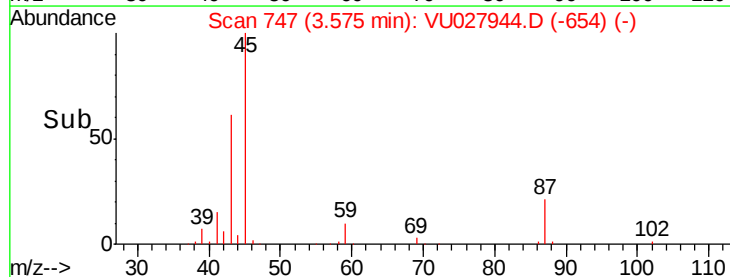
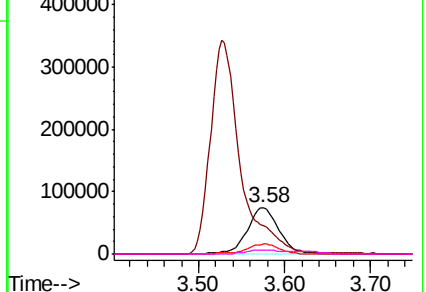


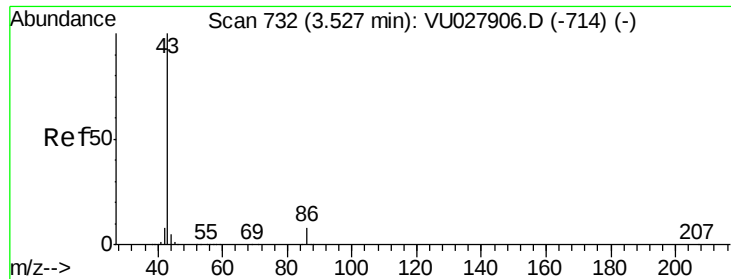
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)

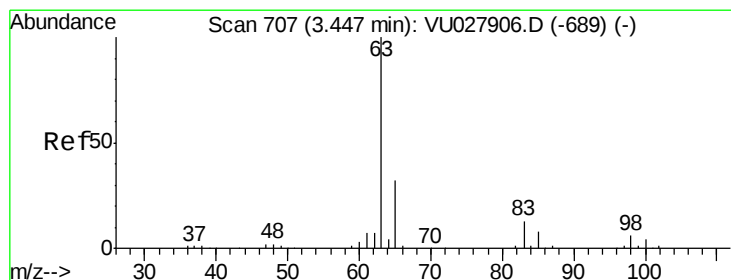
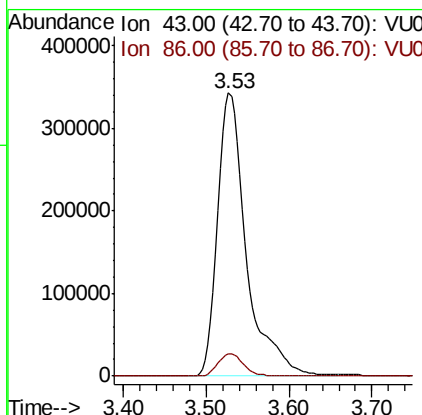
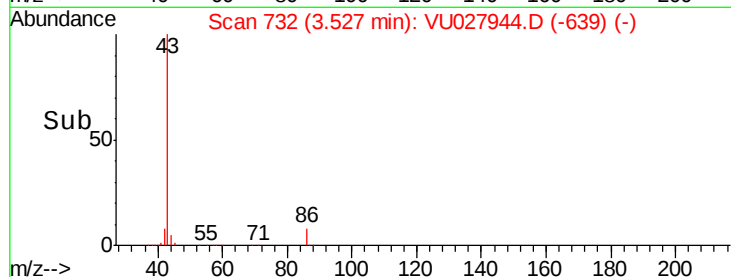
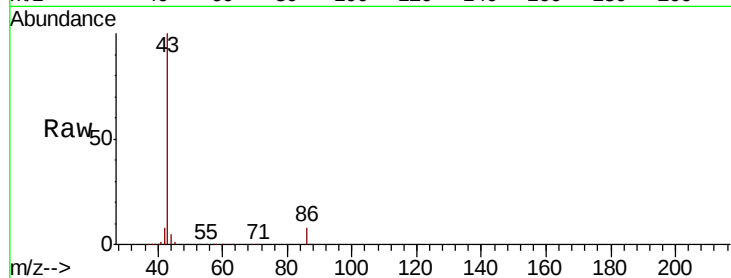




#23
 Vinyl Acetate
 Concen: 97.730 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

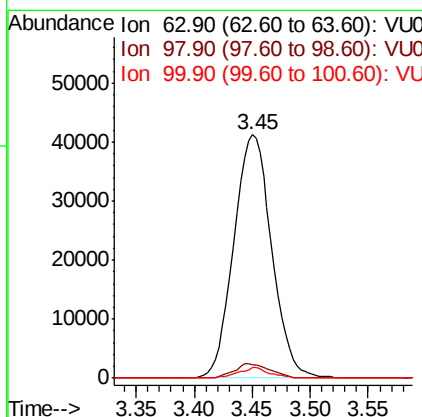
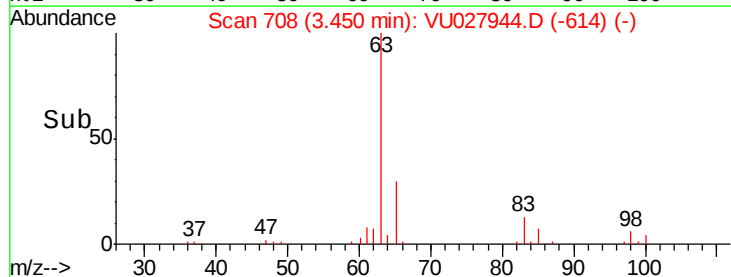
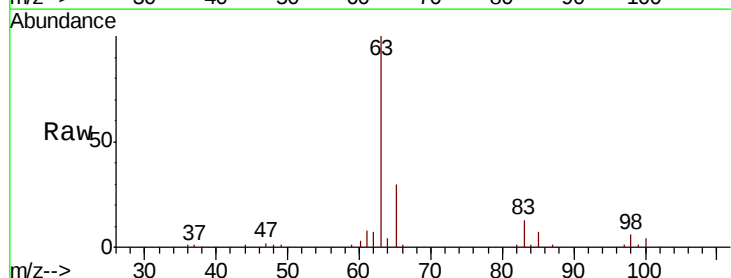
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Tot Ion: 43 Resp: 831354
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.6 9.8



#24
 1,1-Dichloroethane
 Concen: 18.929 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 63 Resp: 93325
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 97.917 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

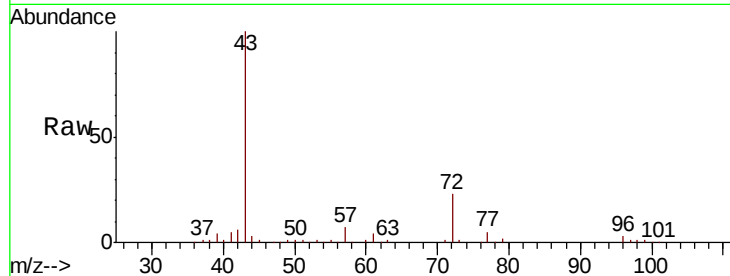
VU1105WBSD01

Tot Ion: 43 Resp: 268952

Ion Ratio Lower Upper

43 100

72 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

120000

100000

80000

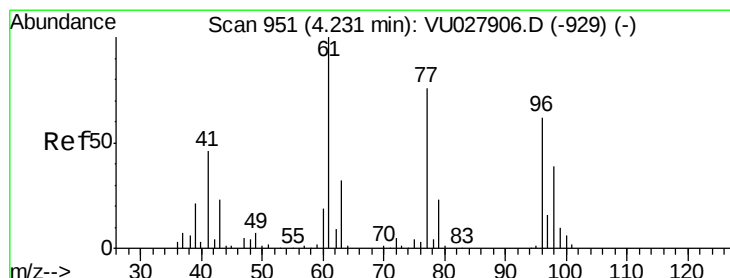
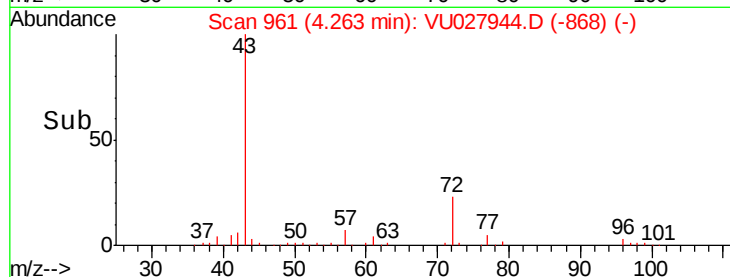
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.106 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027944.D

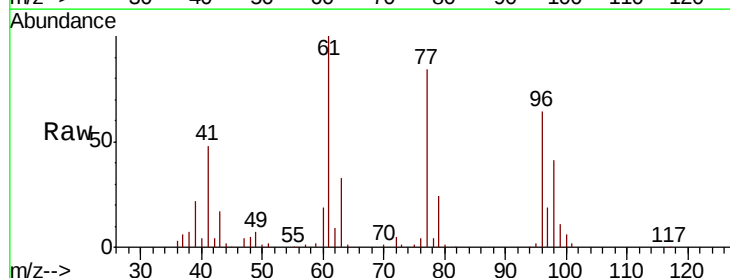
Acq: 05 Nov 2018 10:07

Tgt Ion: 77 Resp: 74390

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

30000

25000

20000

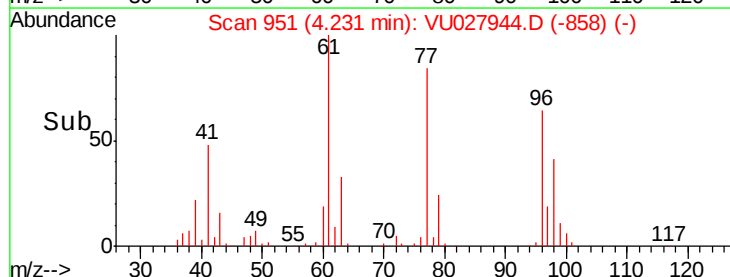
15000

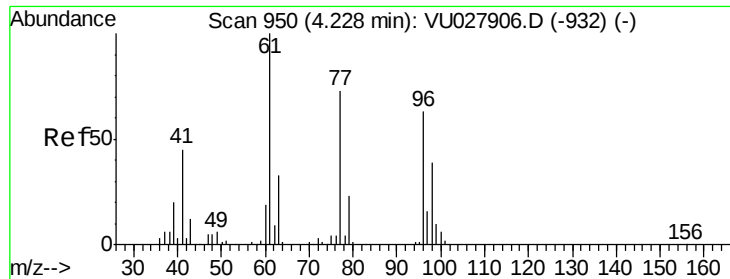
10000

5000

0

Time-->



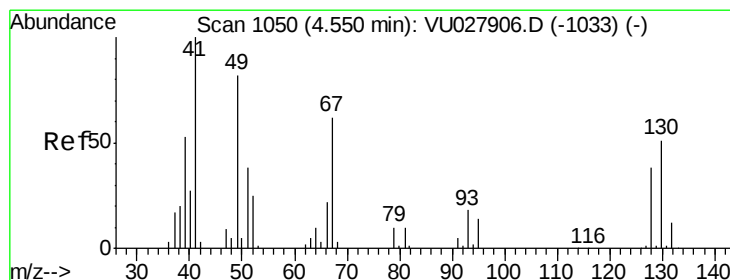
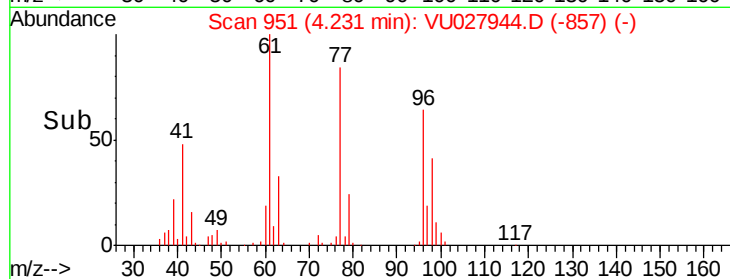
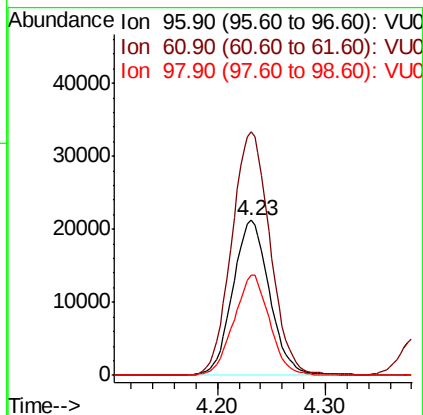
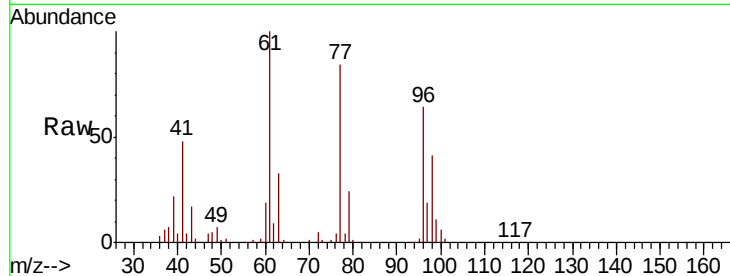


#27

cis-1,2-Dichloroethene
Concen: 19.821 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

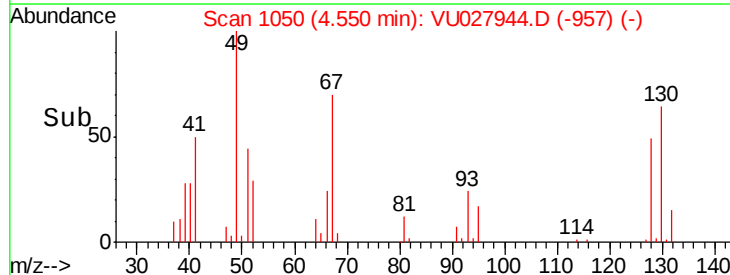
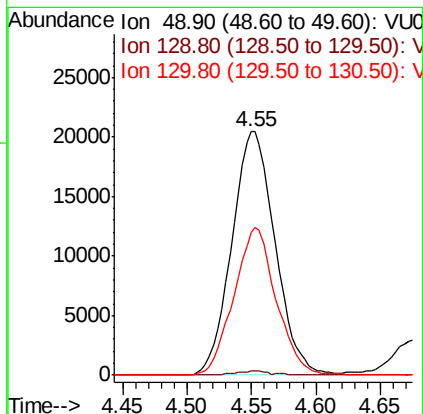
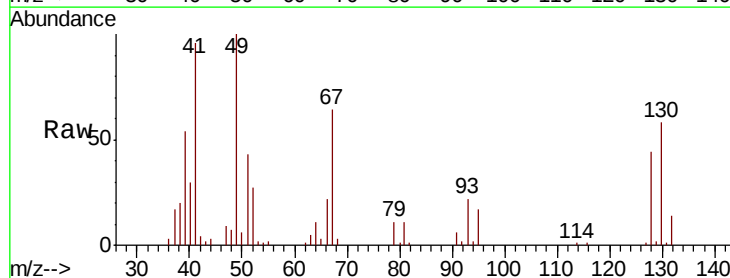
Tot Ion	96	Resp	50319
Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	329.6
98	62.8	0.0	127.2

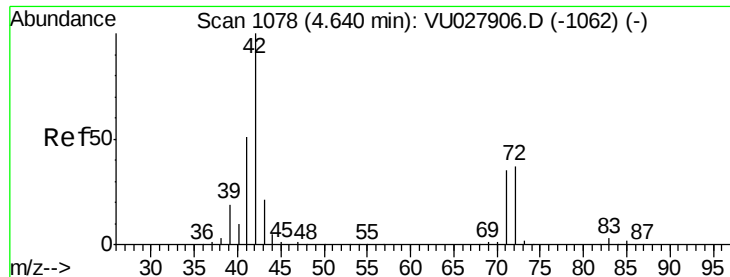


#28

Bromochloromethane
Concen: 20.621 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion	49	Resp	47661
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	59.3	47.8	71.6

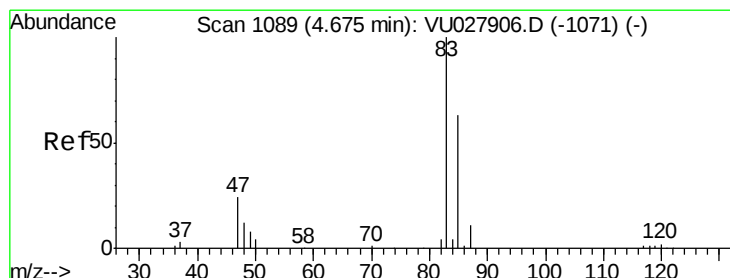
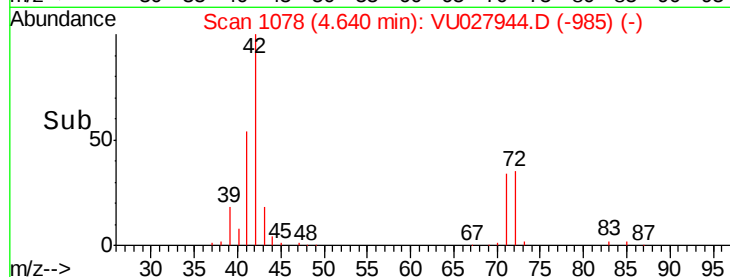
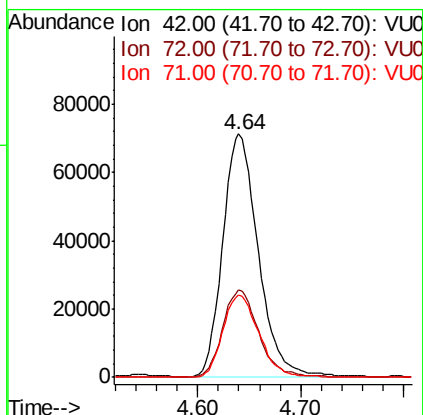
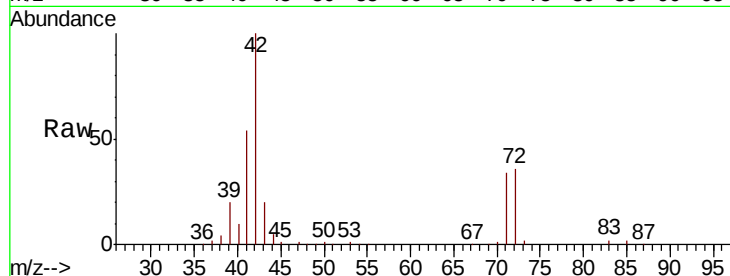




#29
Tetrahydrofuran
Concen: 92.582 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

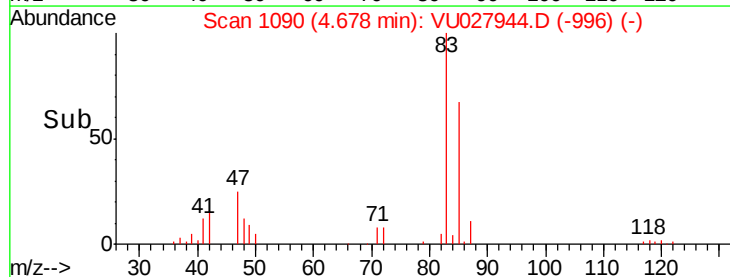
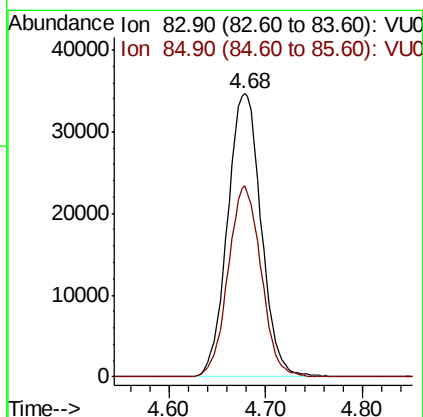
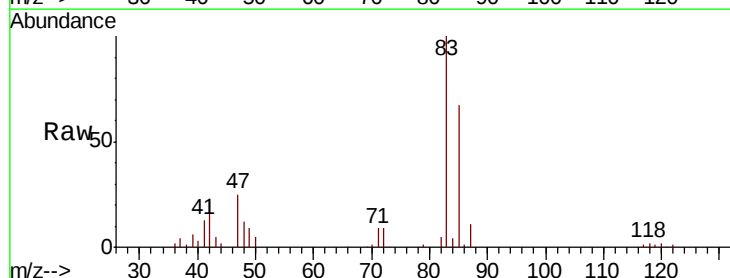
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

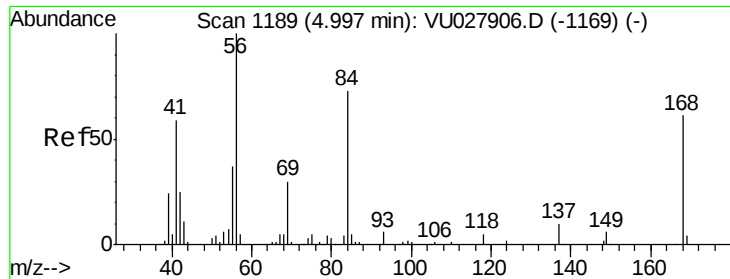
Tot Ion: 42 Resp: 169805
Ion Ratio Lower Upper
42 100
72 37.0 29.4 44.0
71 34.8 27.9 41.9



#30
Chloroform
Concen: 18.524 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 83 Resp: 83738
Ion Ratio Lower Upper
83 100
85 67.4 50.6 76.0

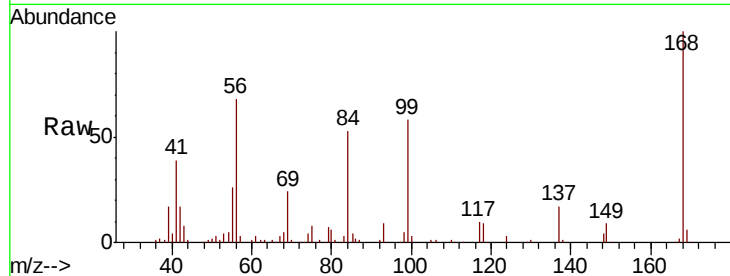




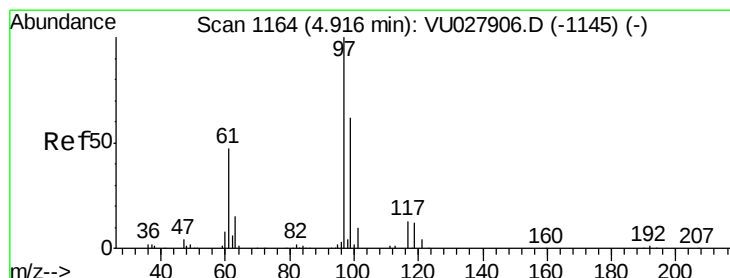
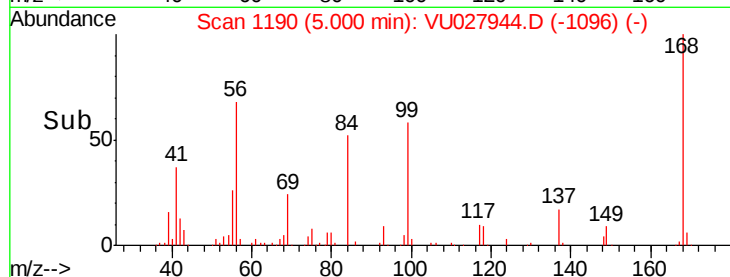
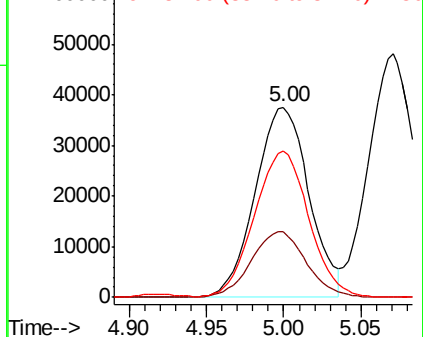
#31
Cyclohexane
Concen: 17.700 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Tot Ion: 56 Resp: 90916
Ion Ratio Lower Upper
56 100
69 34.5 23.7 35.5
84 76.3 58.2 87.4

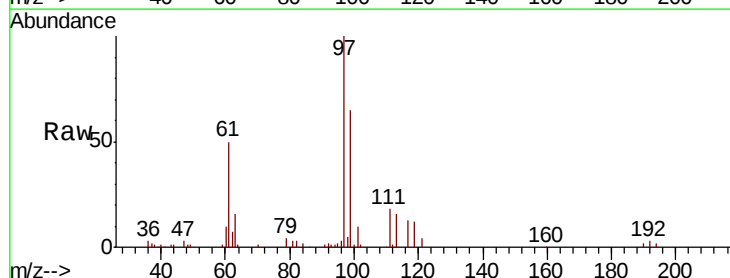


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

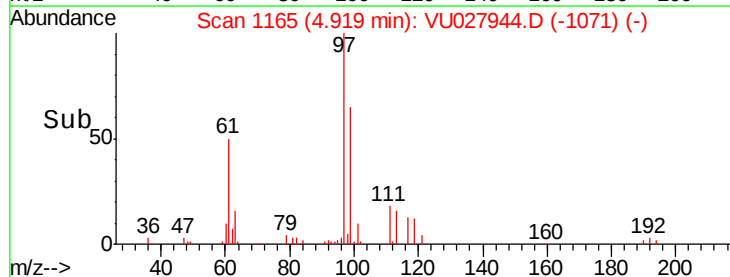
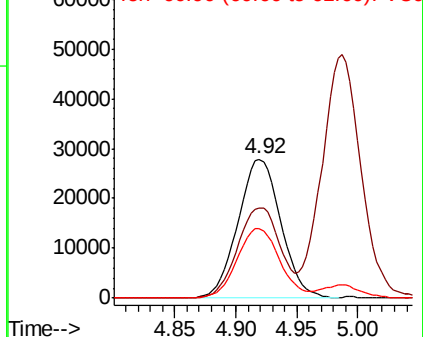


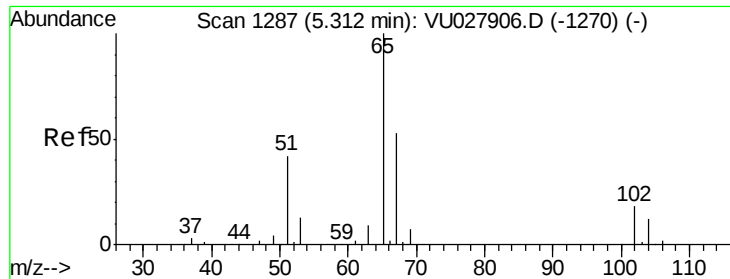
#32
1,1,1-Trichloroethane
Concen: 18.865 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 97 Resp: 67886
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 49.5 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

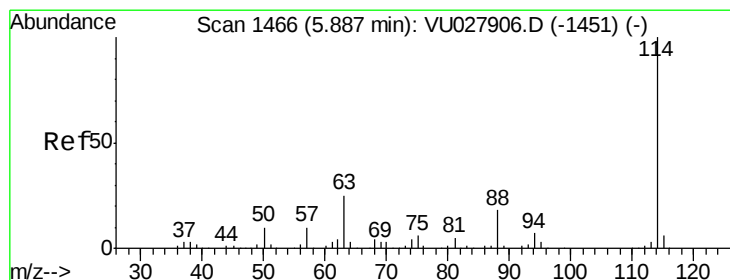
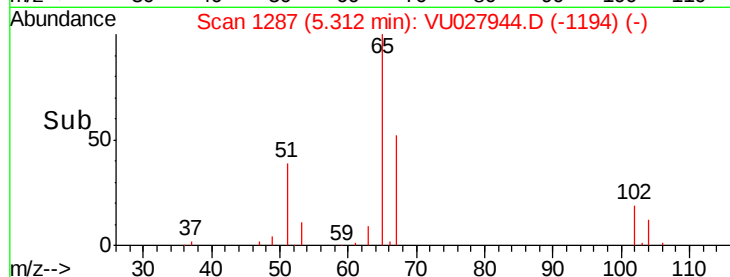
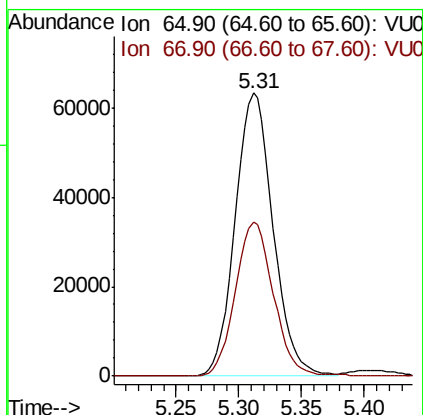
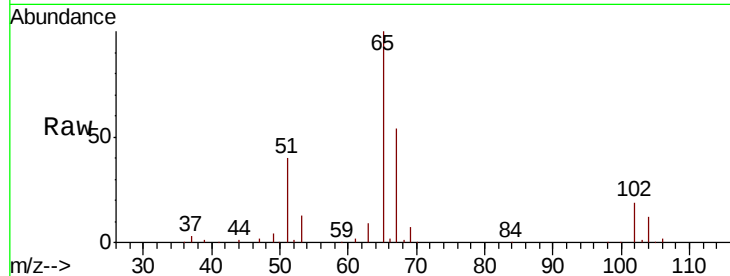




#33
 1,2-Dichloroethane-d4
 Concen: 47.734 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

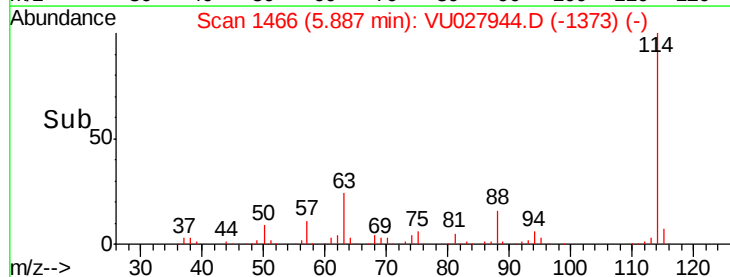
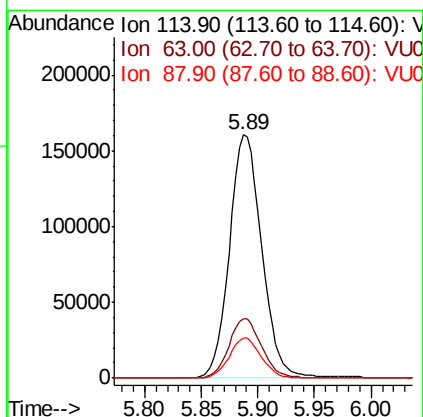
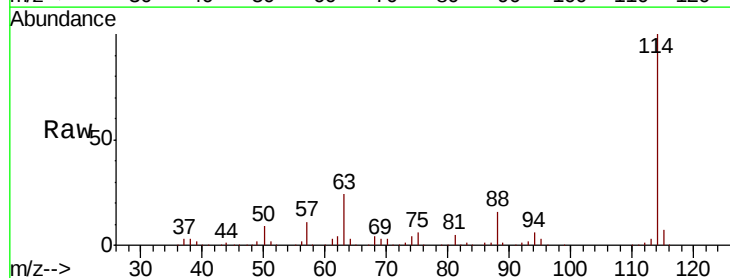
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

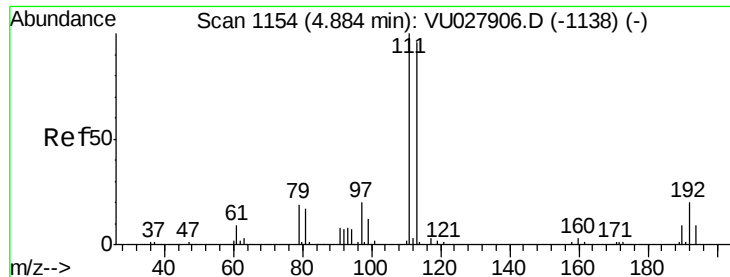
Tot Ion: 65 Resp: 132832
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 114 Resp: 319413
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 47.646 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

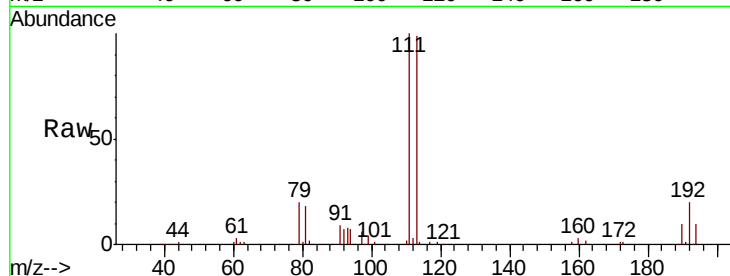
Tot Ion:113 Resp: 95956

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

192 19.5 15.6 23.4

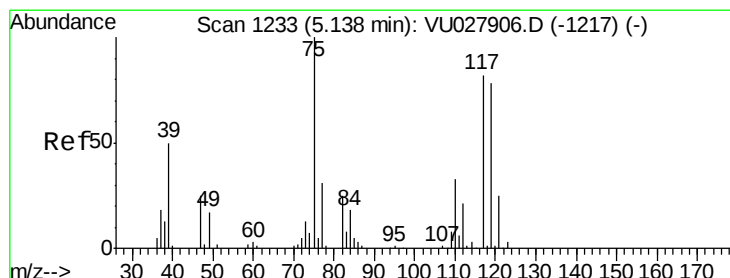
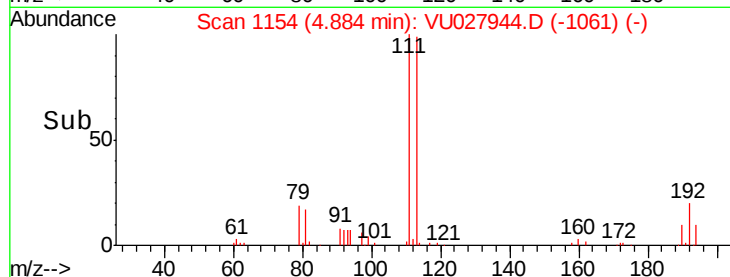
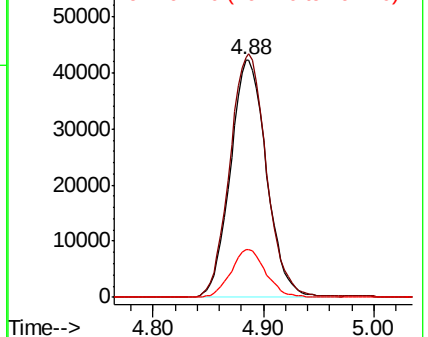


Abundance

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: 18.825 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

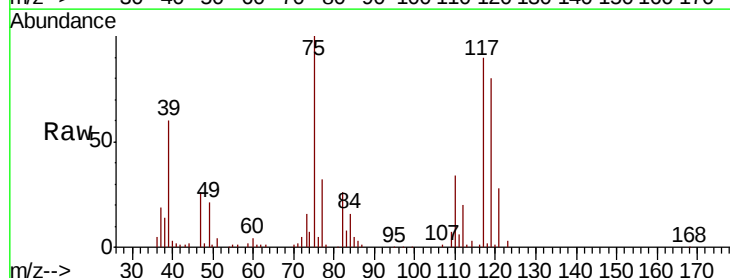
Tgt Ion: 75 Resp: 62974

Ion Ratio Lower Upper

75 100

110 33.5 16.5 49.5

77 31.3 24.9 37.3

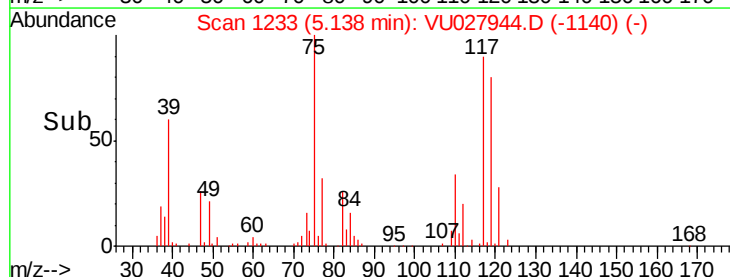
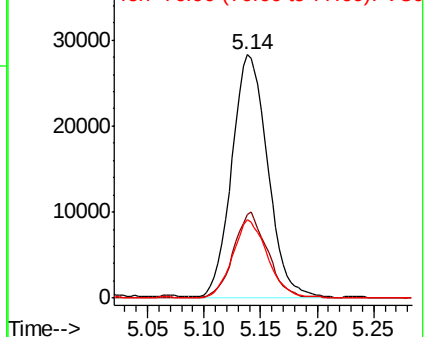


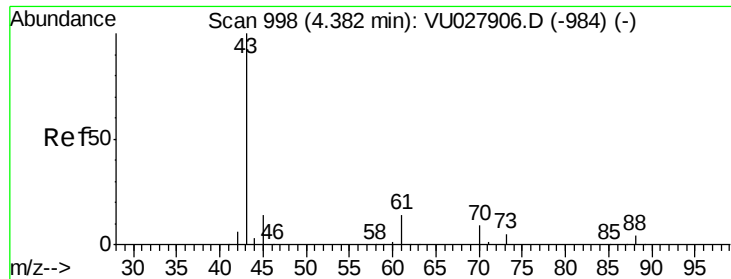
Abundance

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

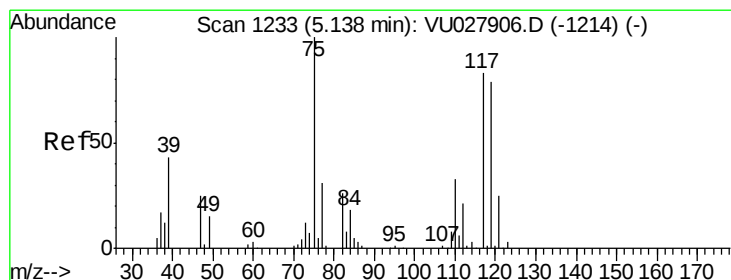
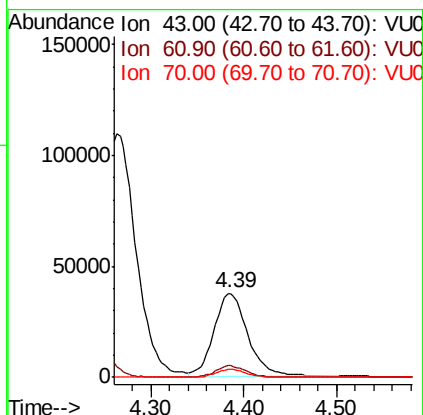
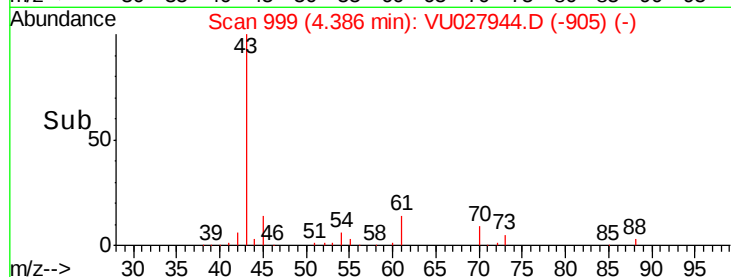
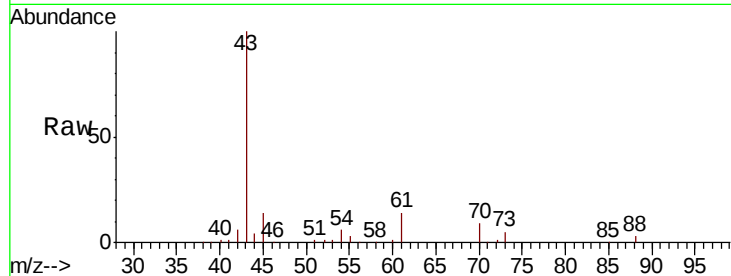




#37
Ethyl Acetate
Concen: 19.489 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

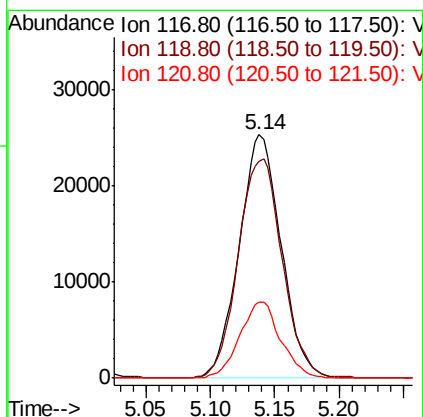
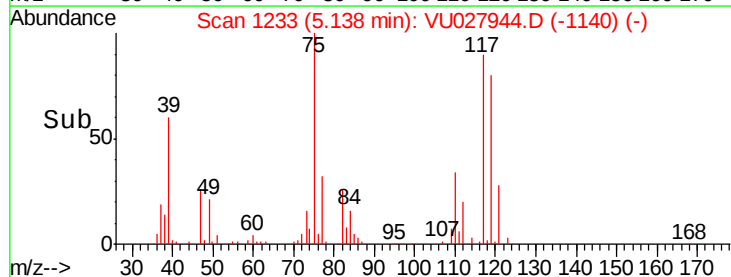
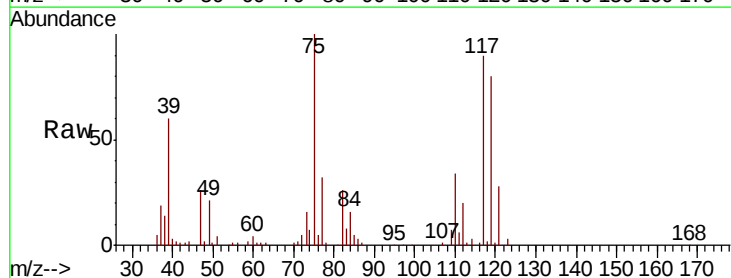
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

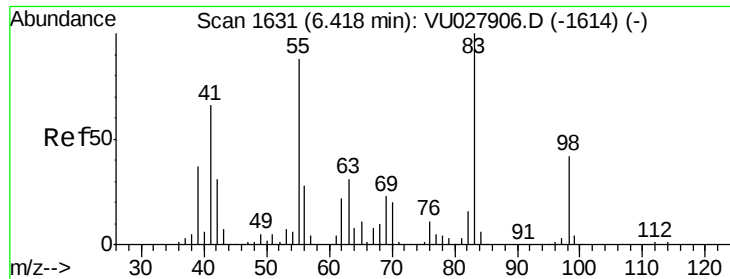
Tot Ion: 43 Resp: 95526
Ion Ratio Lower Upper
43 100
61 12.1 10.3 15.5
70 8.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.380 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 117 Resp: 57455
Ion Ratio Lower Upper
117 100
119 88.9 76.0 114.0
121 31.0 24.5 36.7

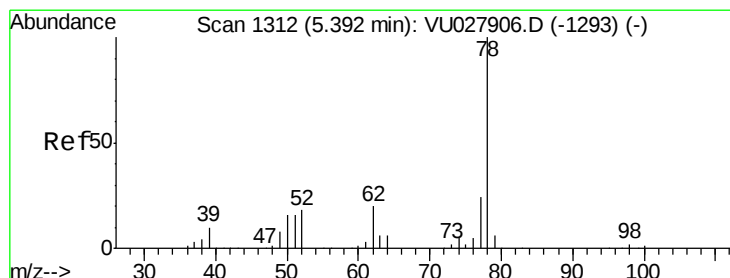
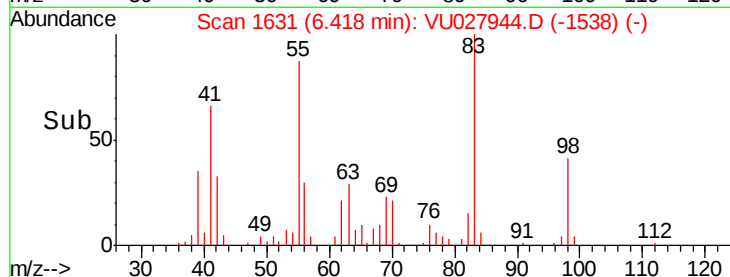
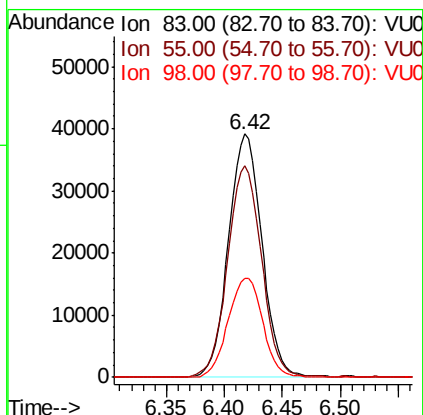
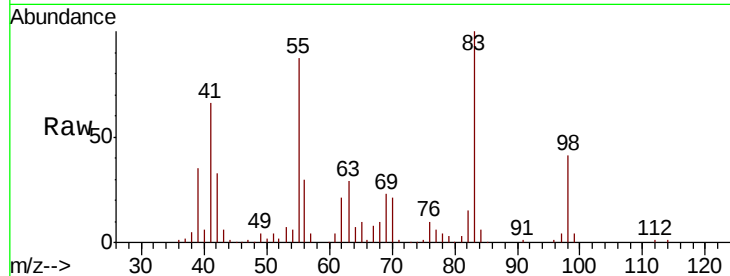




#39
Methvlcvclohexane
Concen: 19.496 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

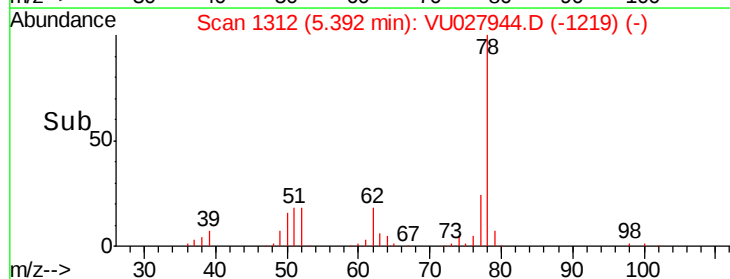
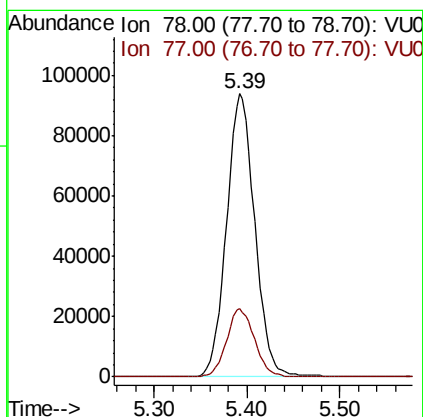
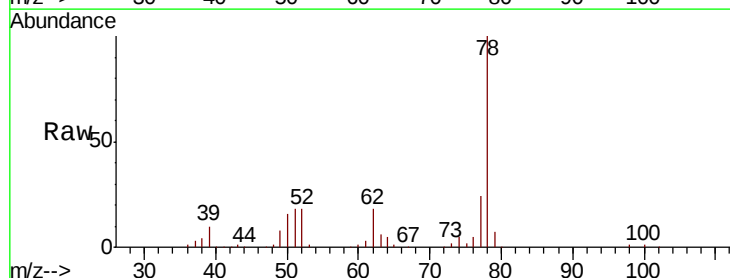
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

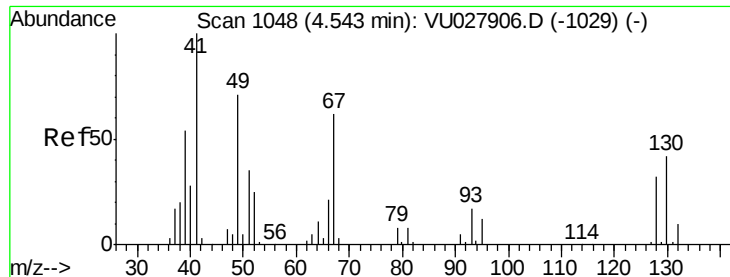
Tot Ion: 83 Resp: 78664
Ion Ratio Lower Upper
83 100
55 86.4 70.3 105.5
98 40.9 34.0 51.0



#40
Benzene
Concen: 19.400 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 78 Resp: 198419
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

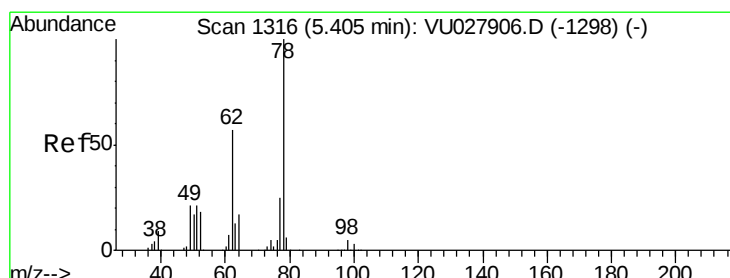
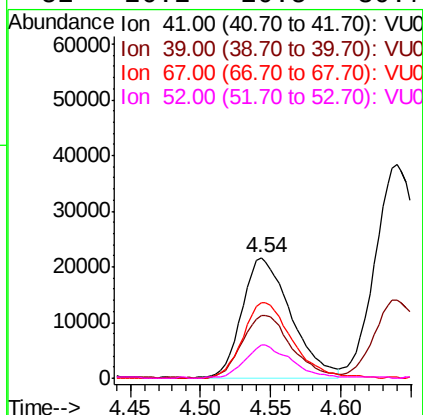
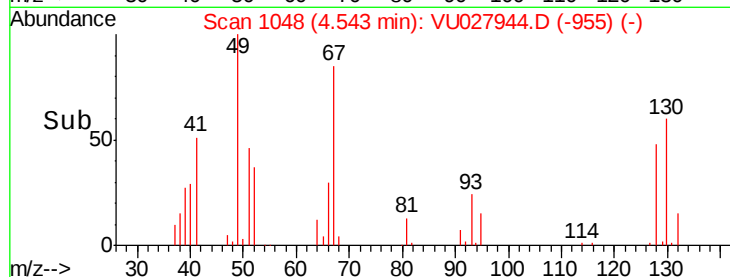
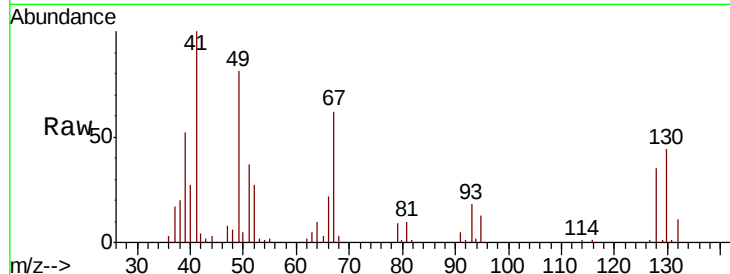




#41
Methacrylonitrile
Concen: 20.129 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

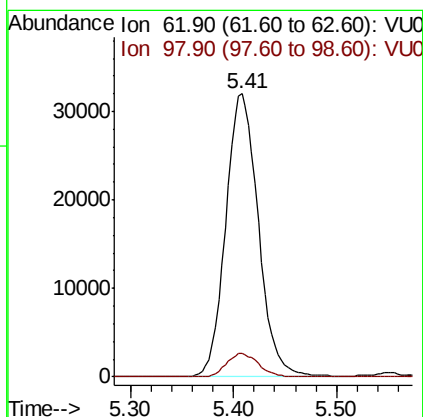
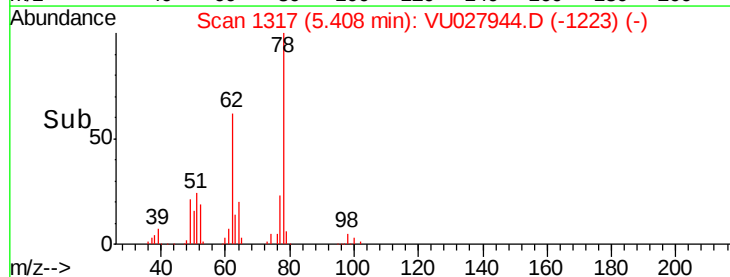
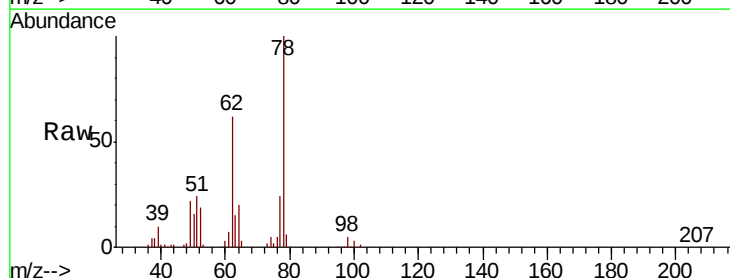
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

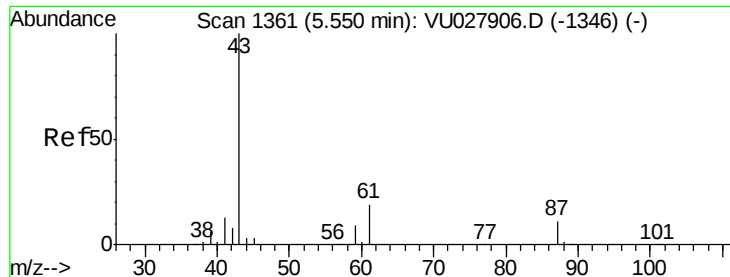
Tot Ion:	41	Resp:	52655
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.2	63.4
67	62.7	49.5	74.3
52	26.2	20.5	30.7



#42
1,2-Dichloroethane
Concen: 19.392 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion:	62	Resp:	70499
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.812 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

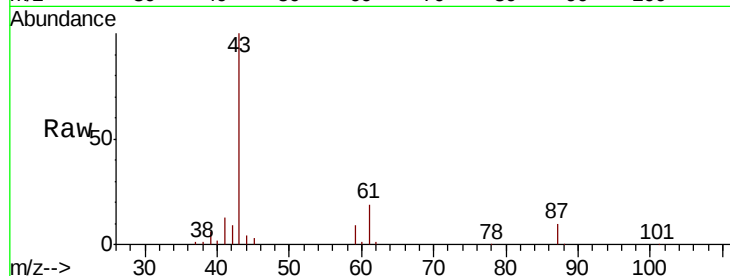
Tot Ion: 43 Resp: 152143

Ion Ratio Lower Upper

43 100

61 18.2 15.0 22.4

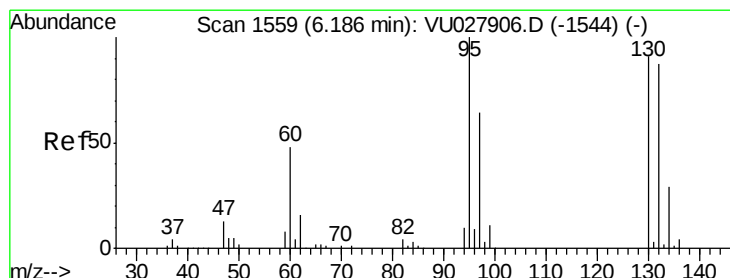
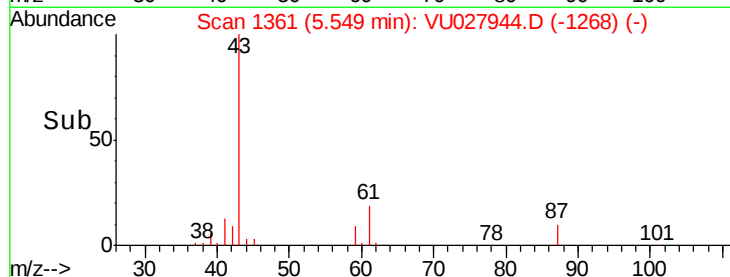
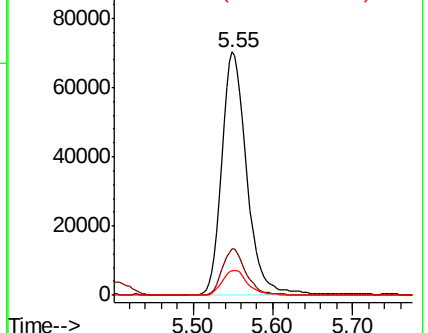
87 10.4 8.6 12.8



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: 19.297 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027944.D

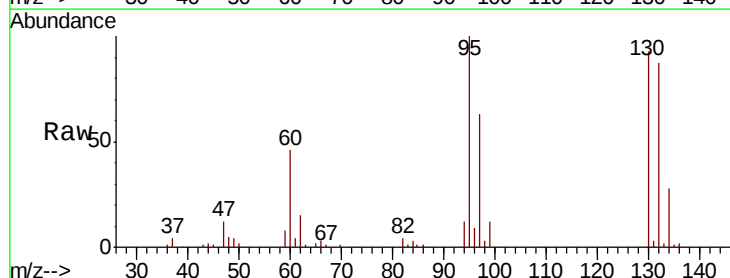
Acq: 05 Nov 2018 10:07

Tgt Ion:130 Resp: 42424

Ion Ratio Lower Upper

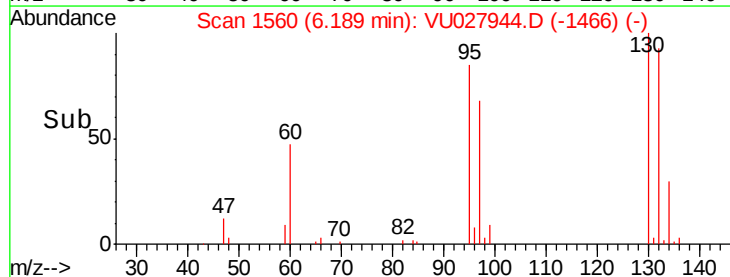
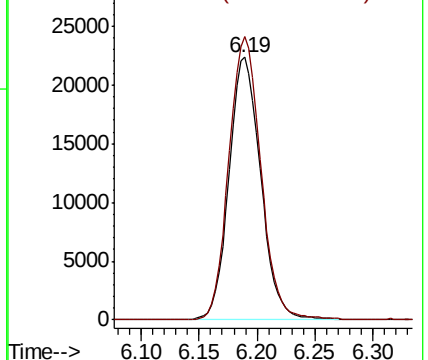
130 100

95 107.9 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: 19.601 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

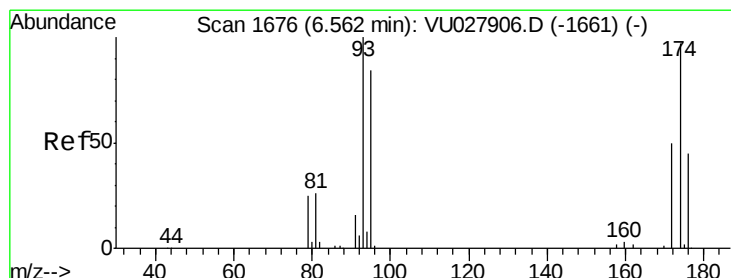
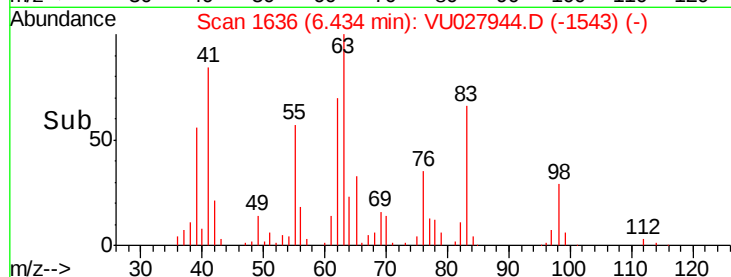
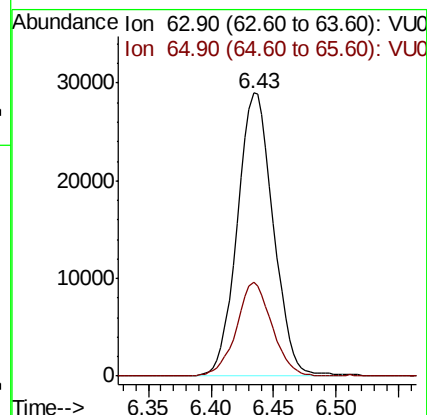
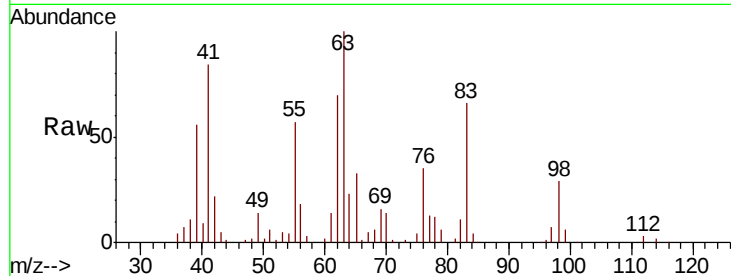
VU1105WBSD01

Tot Ion: 63 Resp: 57816

Ion Ratio Lower Upper

63 100

65 33.3 24.4 36.6



#46

Dibromomethane

Concen: 19.683 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

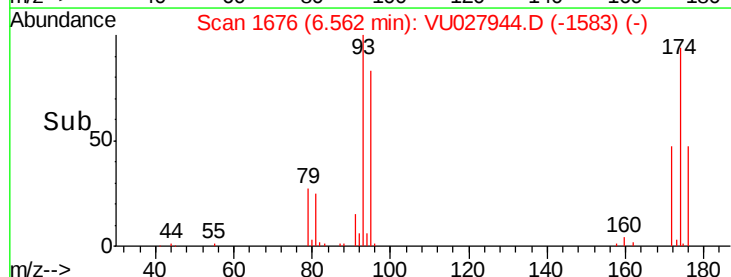
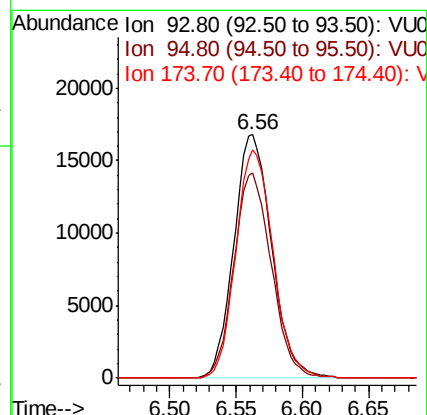
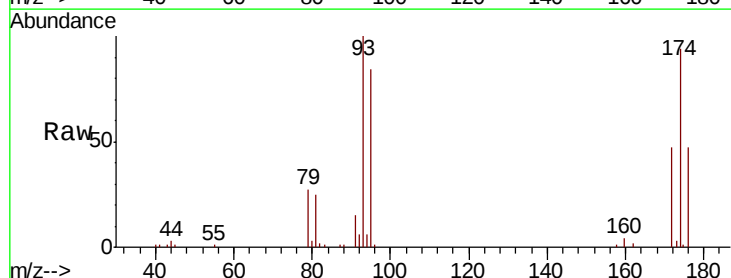
Tgt Ion: 93 Resp: 33372

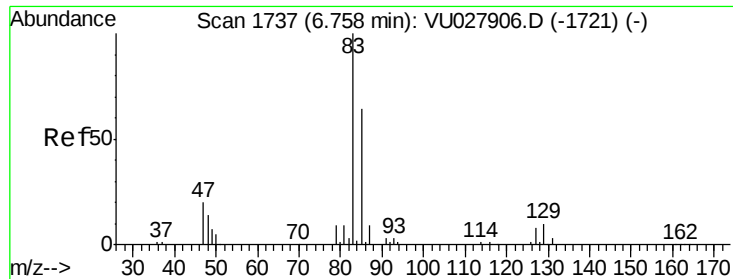
Ion Ratio Lower Upper

93 100

95 83.1 68.5 102.7

174 92.1 76.1 114.1





#47

Bromodichloromethane

Concen: 20.099 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

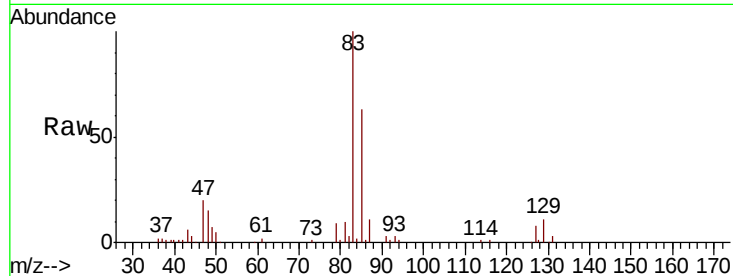
Tot Ion: 83 Resp: 65671

Ion Ratio Lower Upper

83 100

85 62.8 51.0 76.6

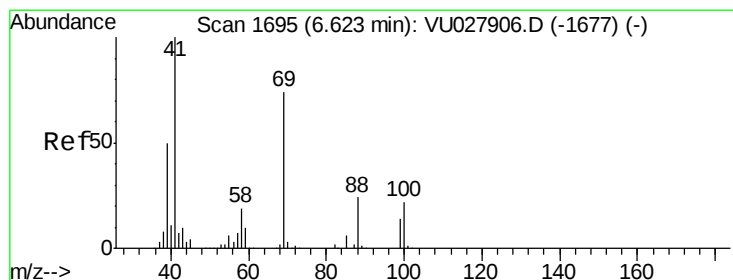
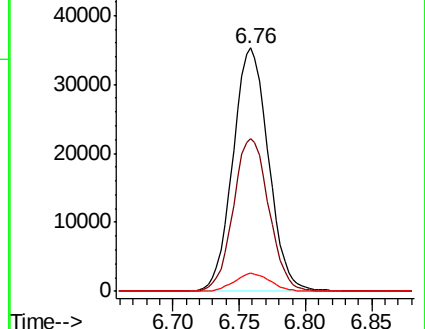
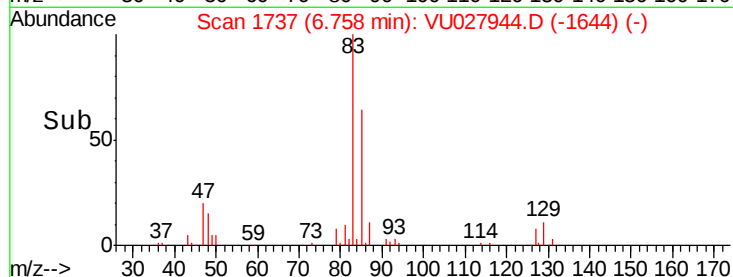
127 7.5 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1721) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-1721) (-)



#48

Methyl methacrylate

Concen: 19.992 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

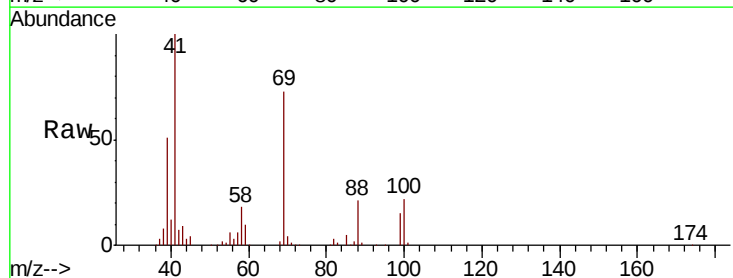
Tgt Ion: 41 Resp: 75236

Ion Ratio Lower Upper

41 100

69 74.3 59.8 89.8

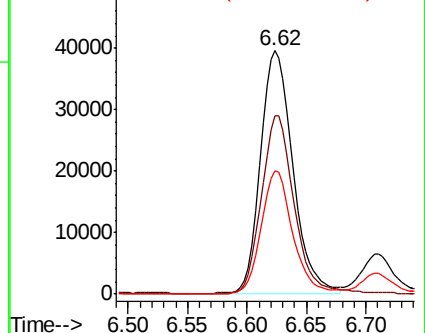
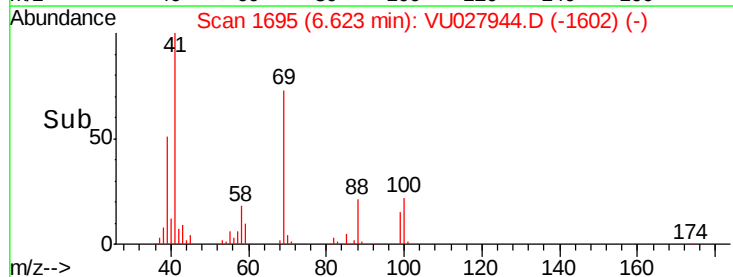
39 49.1 40.0 60.0

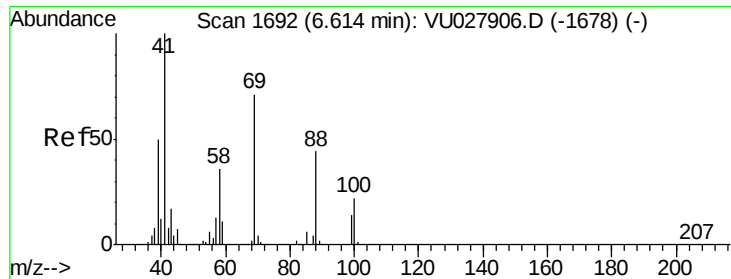


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)

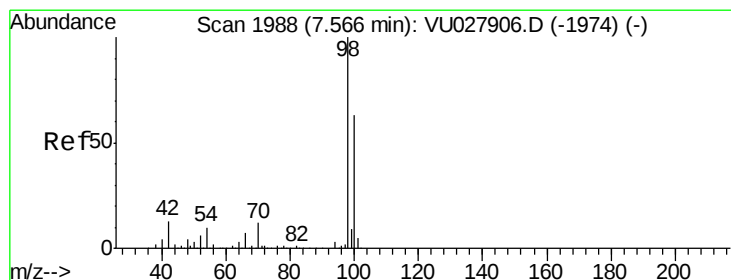
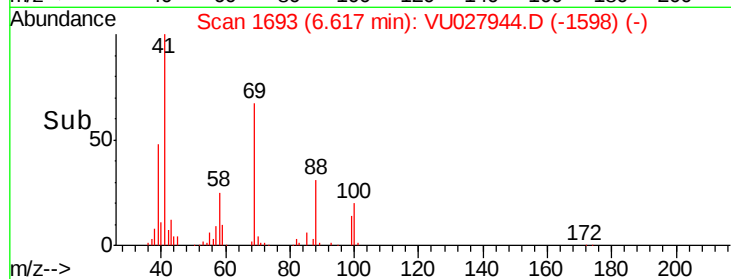
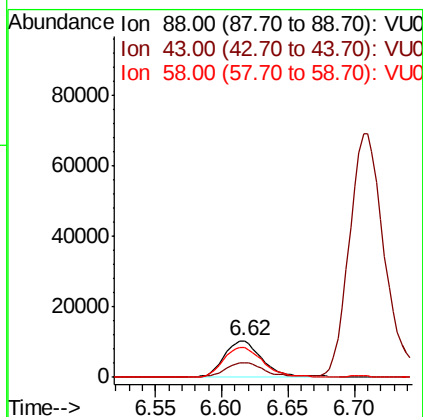
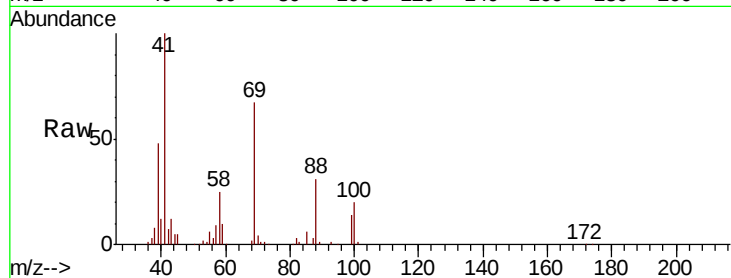




#49
1,4-Dioxane
Concen: 340.568 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

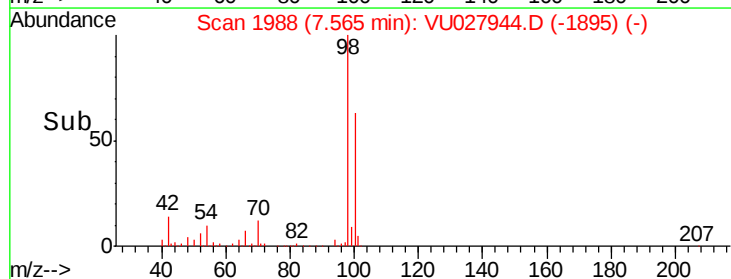
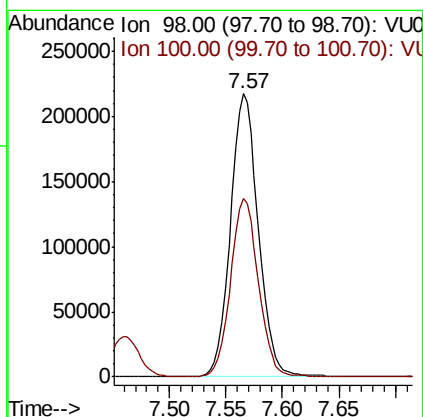
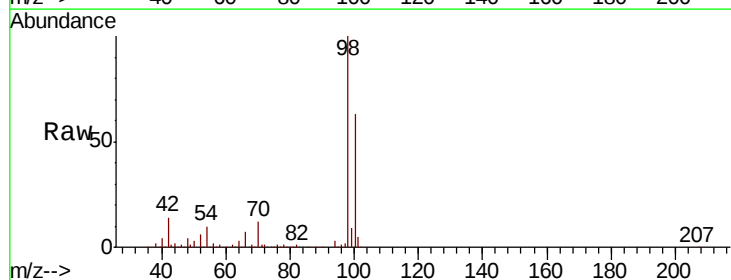
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

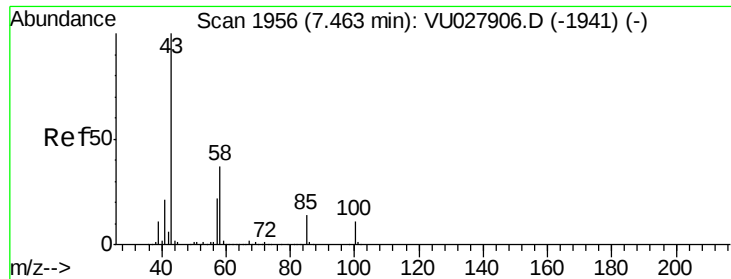
Tot Ion: 88 Resp: 20910
Ion Ratio Lower Upper
88 100
43 37.2 30.5 45.7
58 83.9 67.1 100.7



#50
Toluene-d8
Concen: 47.879 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 98 Resp: 372486
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 95.901 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

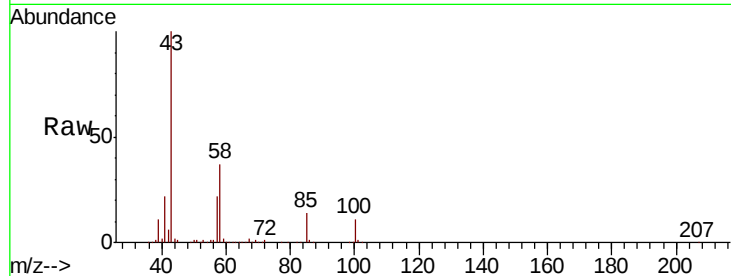
VU1105WBSD01

Tot Ion: 43 Resp: 491833

Ion Ratio Lower Upper

43 100

58 36.7 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

300000

250000

200000

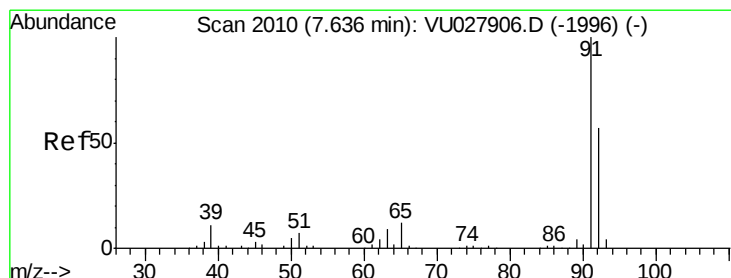
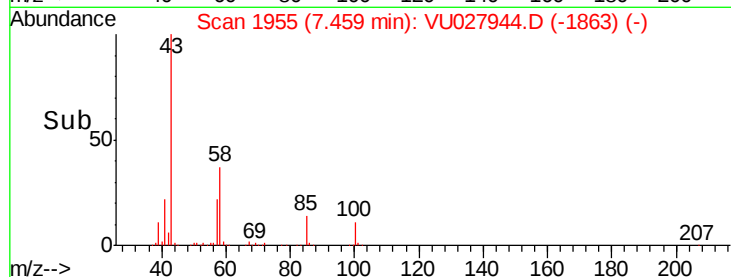
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.114 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027944.D

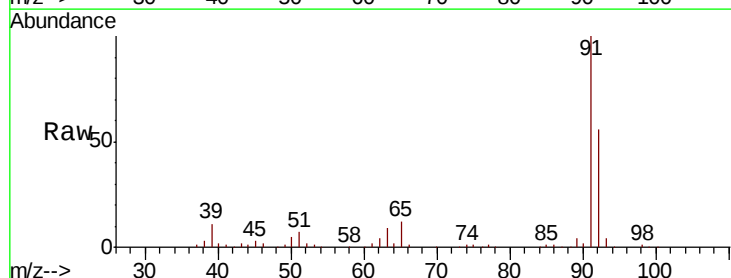
Acq: 05 Nov 2018 10:07

Tgt Ion: 92 Resp: 114934

Ion Ratio Lower Upper

92 100

91 179.2 141.2 211.8



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

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

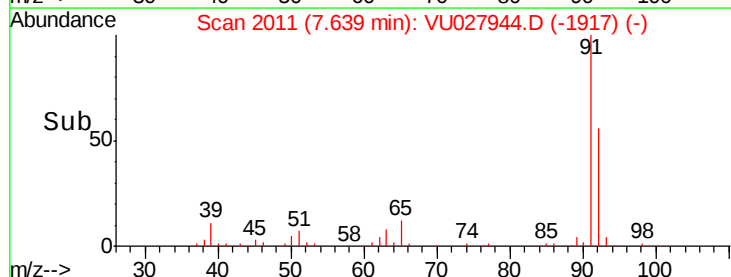
7.64

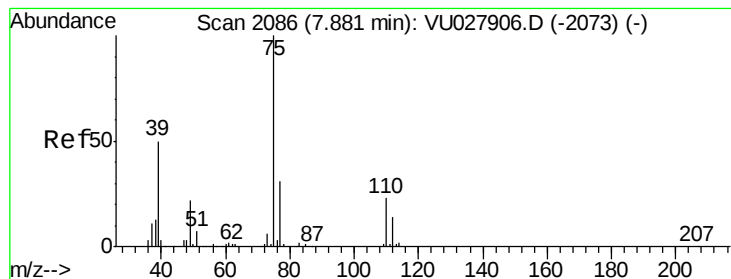
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.597 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

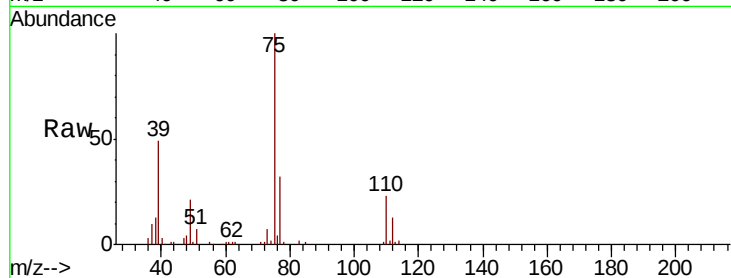
VU1105WBSD01

Tot Ion: 75 Resp: 76586

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

50000

40000

30000

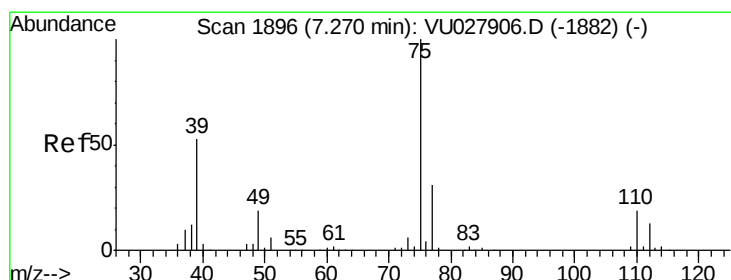
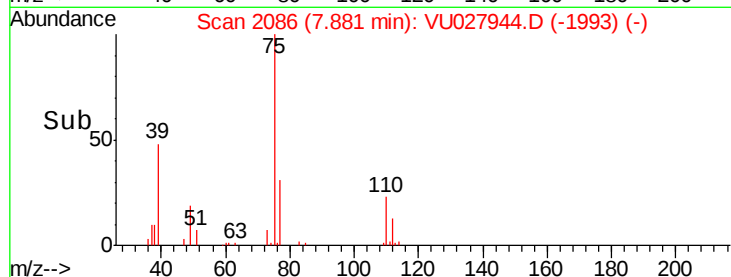
20000

10000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.796 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

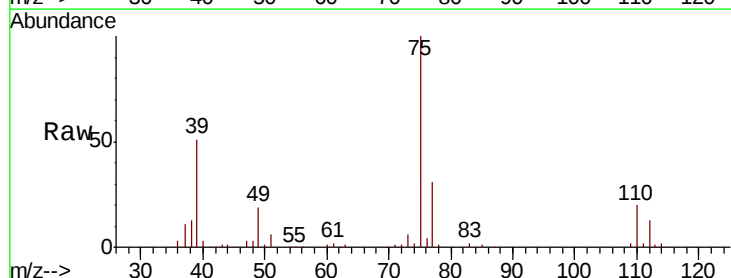
Tgt Ion: 75 Resp: 83763

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 50.8 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

60000

50000

40000

30000

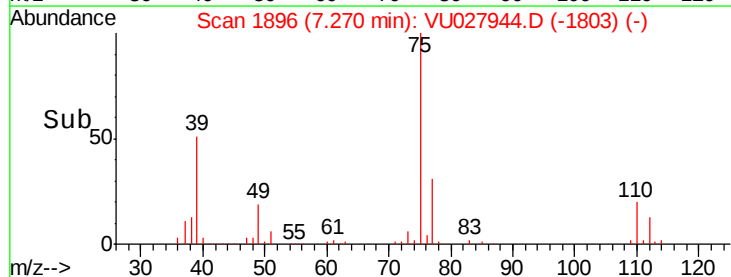
20000

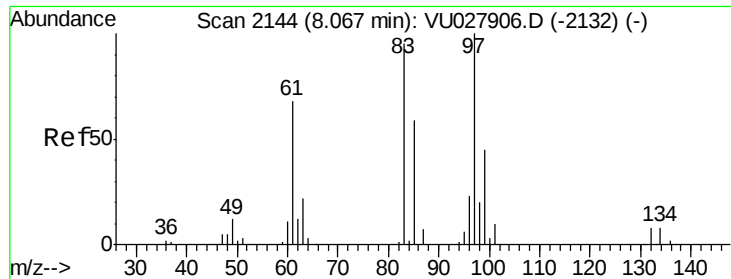
10000

0

7.20 7.30 7.40

Time-->

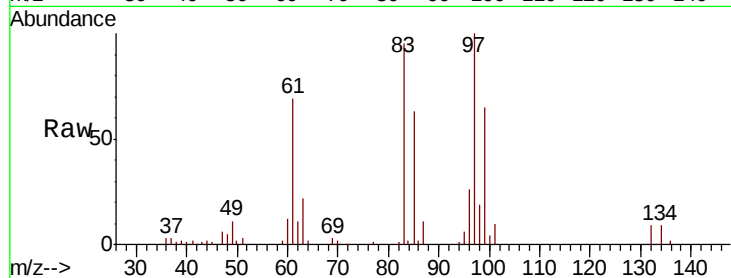




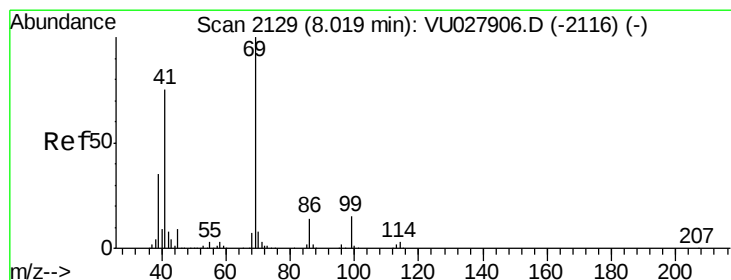
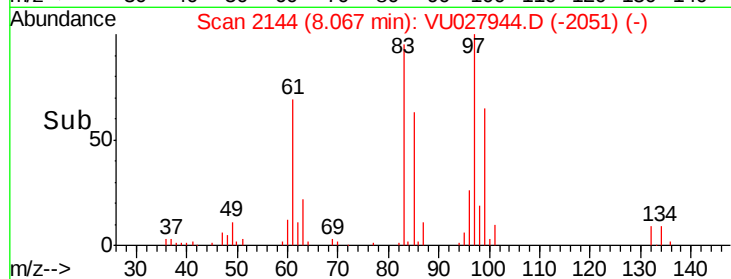
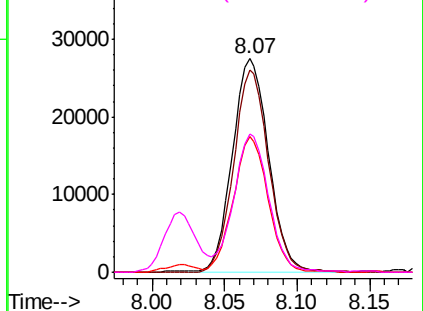
#55
 1,1,2-Trichloroethane
 Concen: 19.535 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Tot Ion: 97 Resp: 47788
 Ion Ratio Lower Upper
 97 100
 83 94.7 76.1 114.1
 85 63.3 48.9 73.3
 99 64.3 52.0 78.0

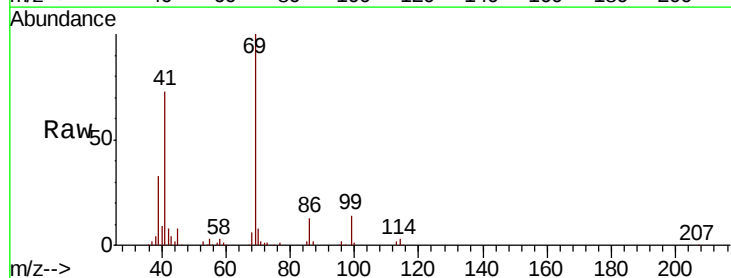


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

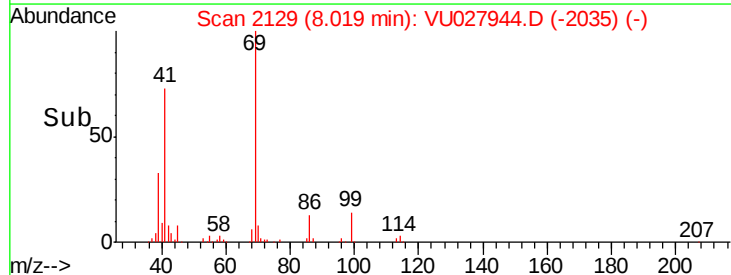
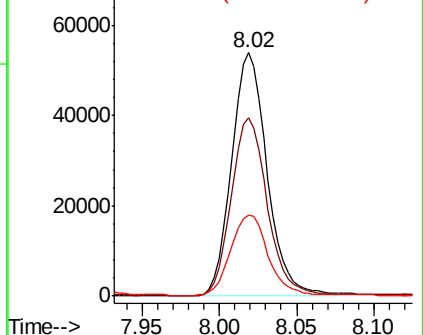


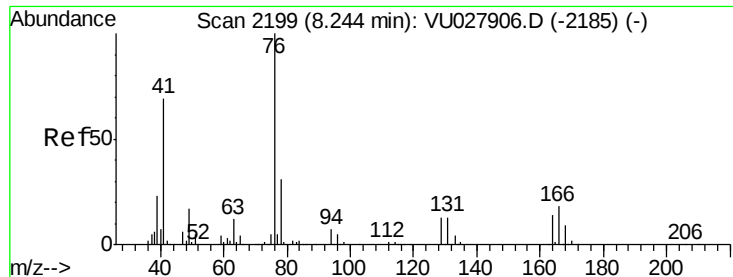
#56
 Ethyl methacrylate
 Concen: 19.918 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 69 Resp: 85926
 Ion Ratio Lower Upper
 69 100
 41 75.2 59.8 89.6
 39 35.1 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

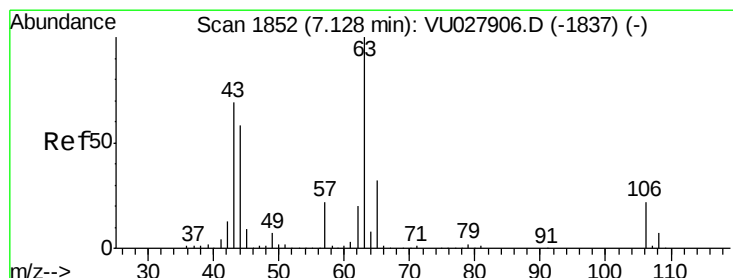
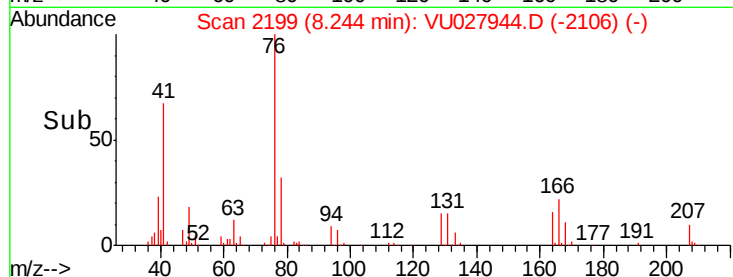
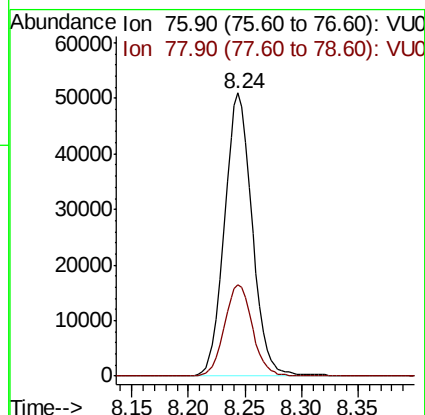
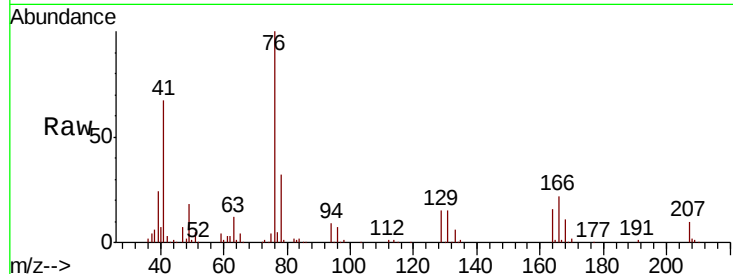




#57
 1,3-Dichloropropane
 Concen: 19.449 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

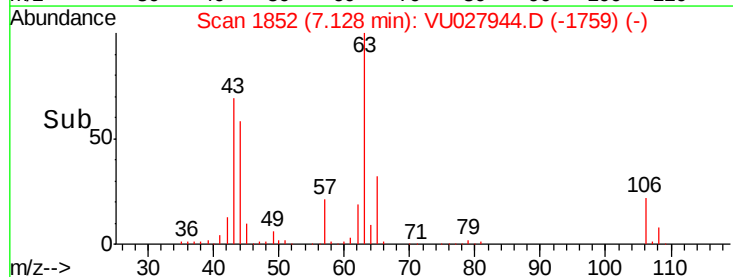
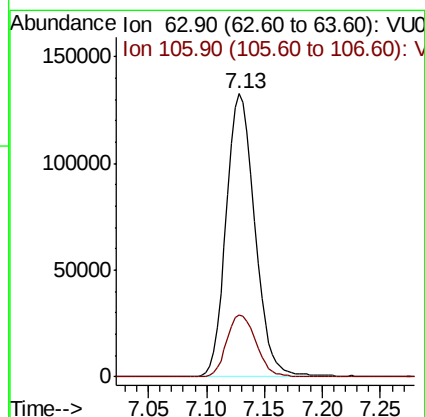
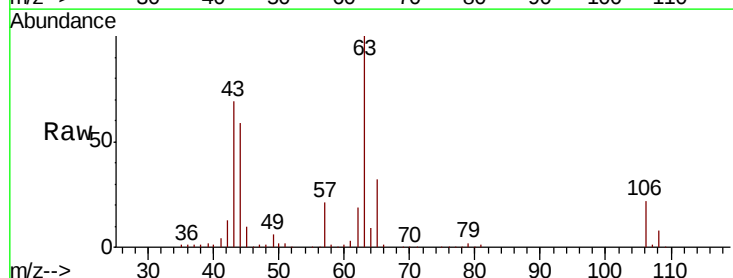
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Tot Ion: 76 Resp: 86668
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.459 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 63 Resp: 227492
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.8 26.6

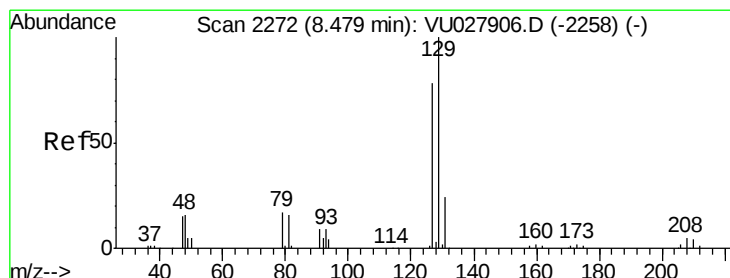
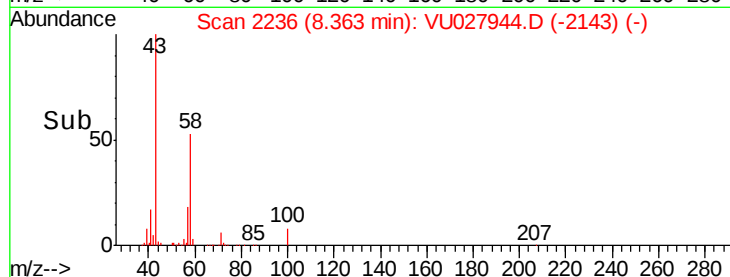
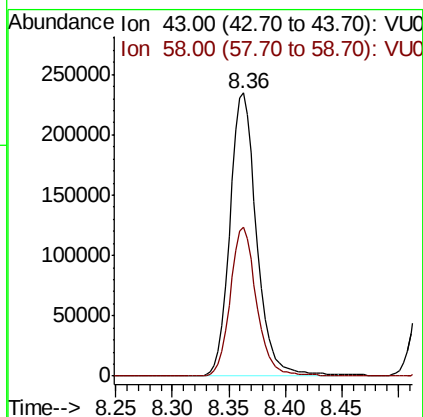
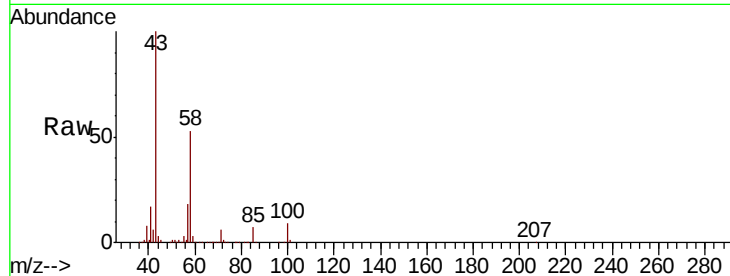




#59
2-Hexanone
Concen: 97.268 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

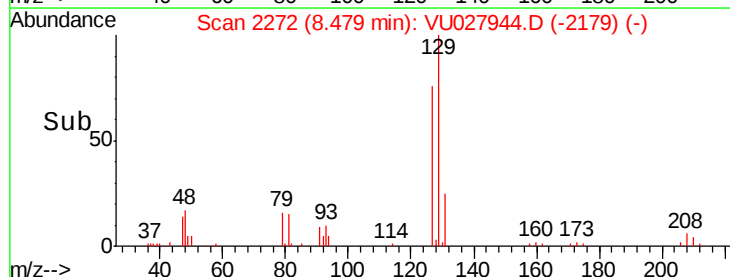
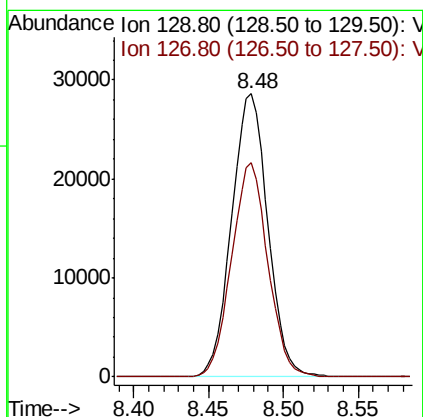
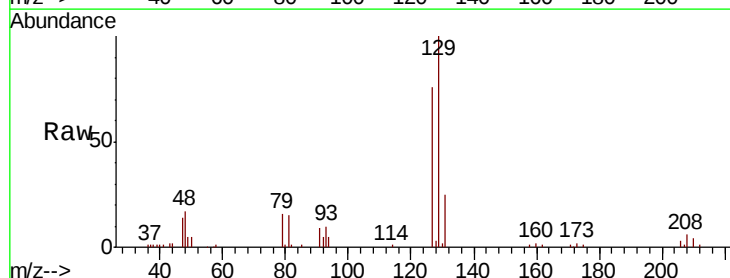
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

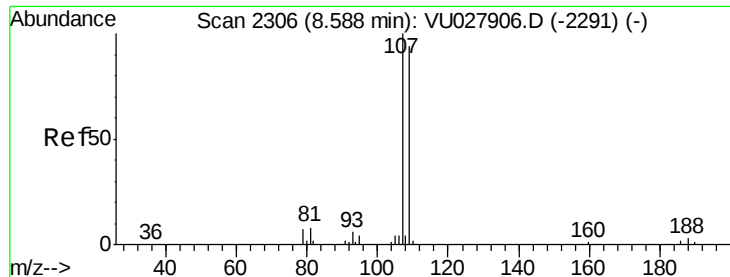
Tot Ion: 43 Resp: 385822
Ion Ratio Lower Upper
43 100
58 51.7 25.8 77.3



#60
Dibromochloromethane
Concen: 20.869 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 129 Resp: 48309
Ion Ratio Lower Upper
129 100
127 75.6 39.2 117.6

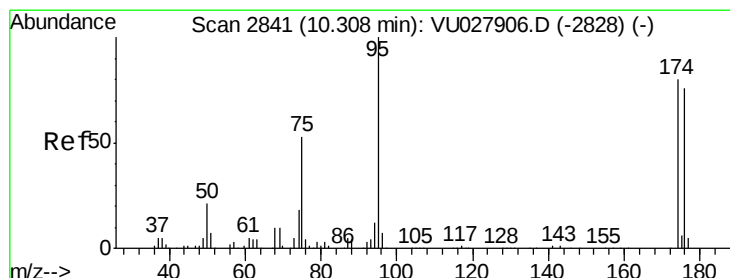
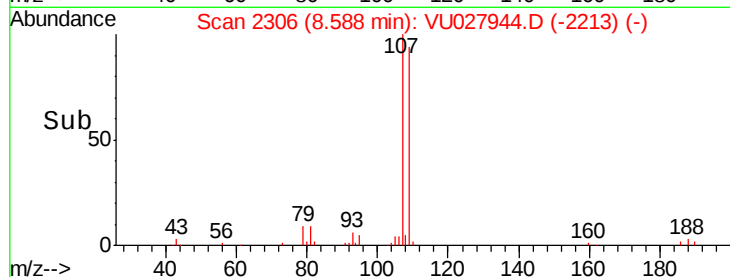
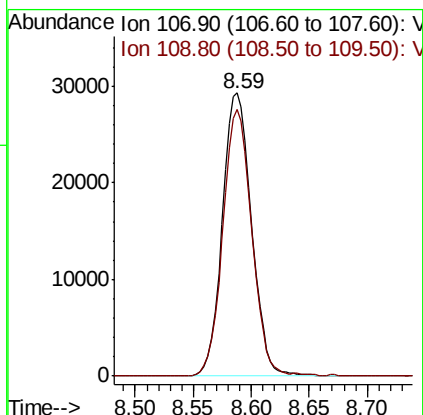
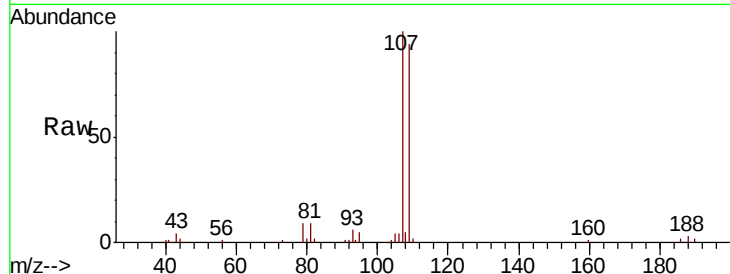




#61
 1,2-Dibromoethane
 Concen: 19.545 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

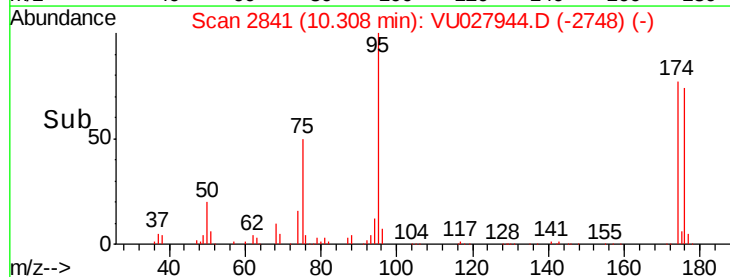
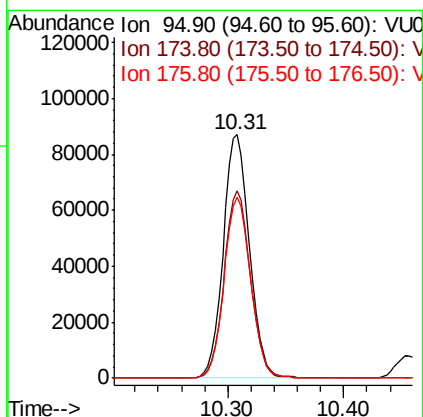
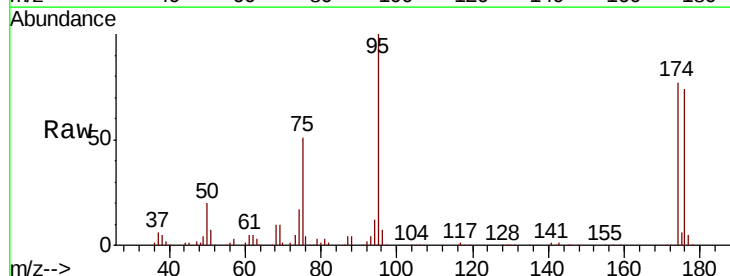
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

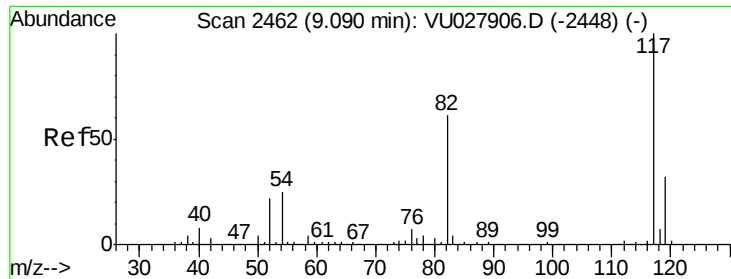
Tot Ion: 107 Resp: 50804
 Ion Ratio Lower Upper
 107 100
 109 93.7 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 47.571 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion: 95 Resp: 136504
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 156.4
 176 74.9 0.0 150.8

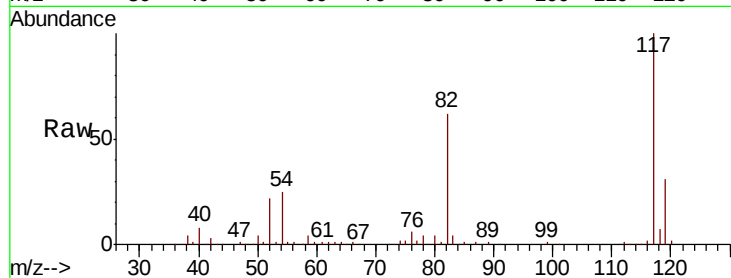




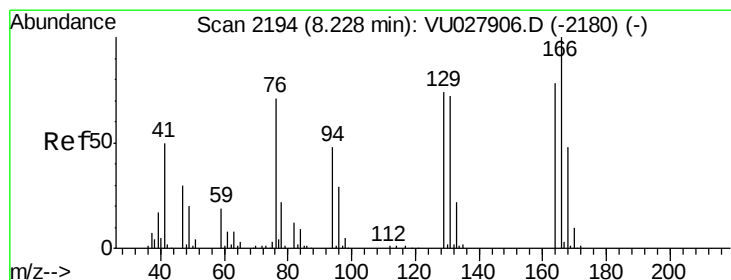
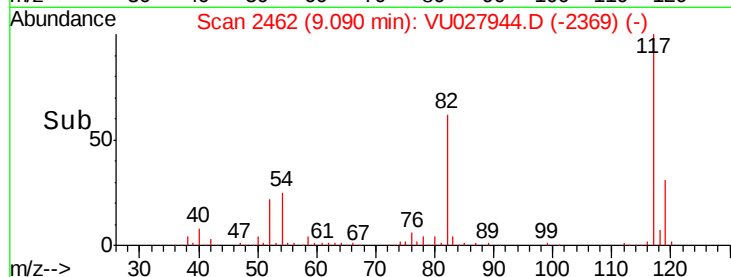
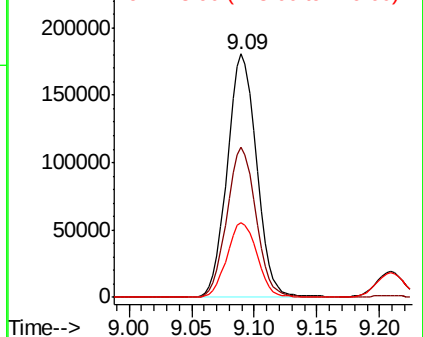
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Tot Ion:117 Resp: 294012
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 30.9 25.8 38.8

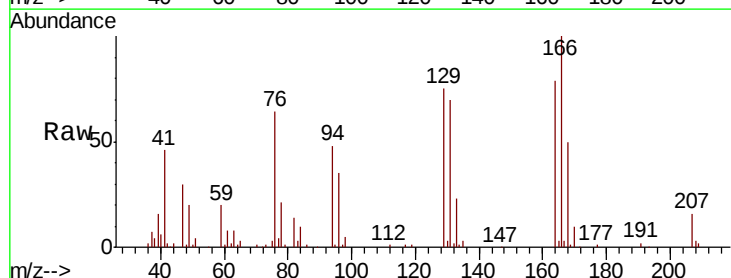


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

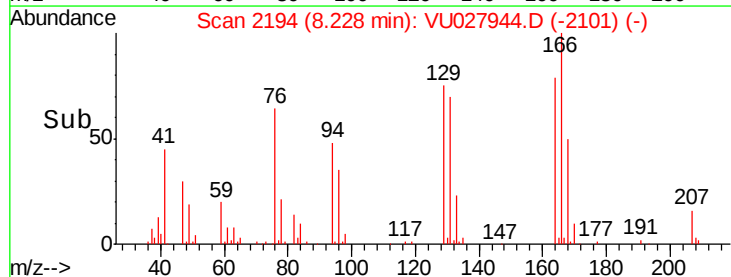
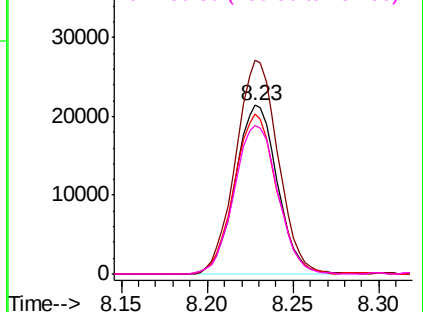


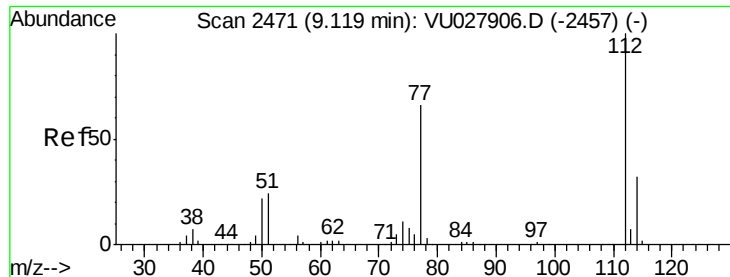
#64
Tetrachloroethene
Concen: 19.126 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion:164 Resp: 36462
Ion Ratio Lower Upper
164 100
166 126.5 102.1 153.1
129 94.7 75.9 113.9
131 88.3 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

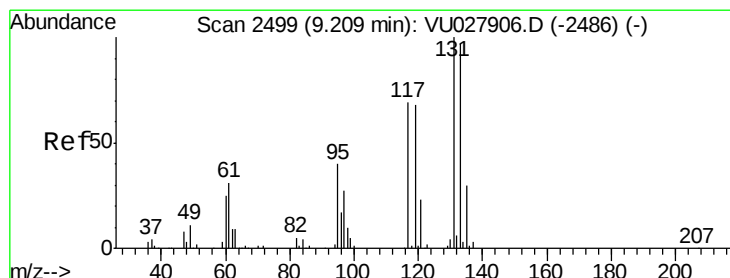
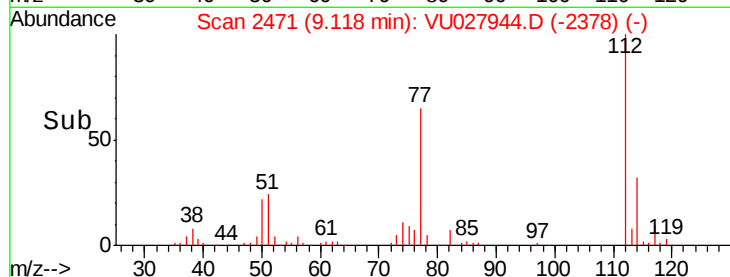
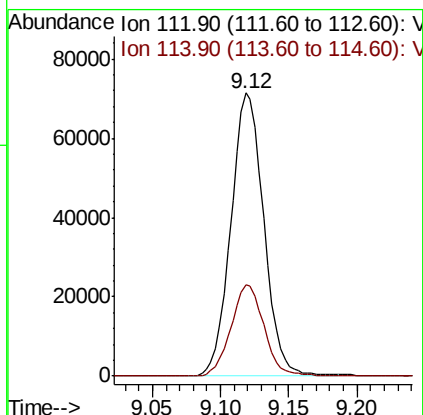
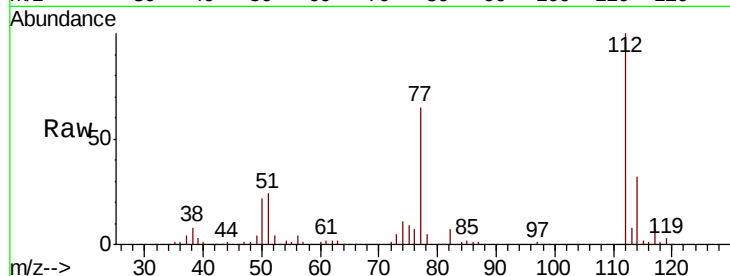




#65
Chlorobenzene
Concen: 19.261 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

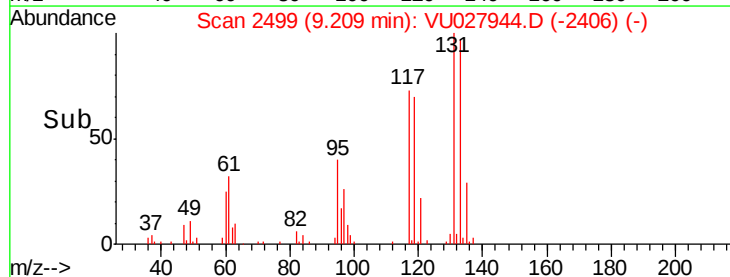
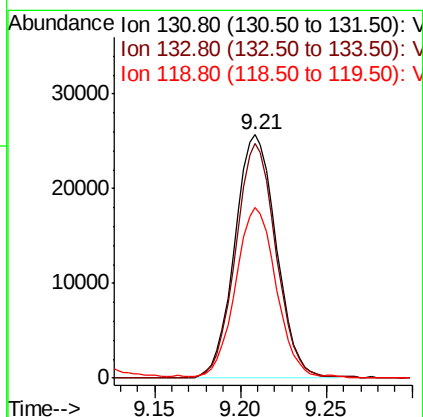
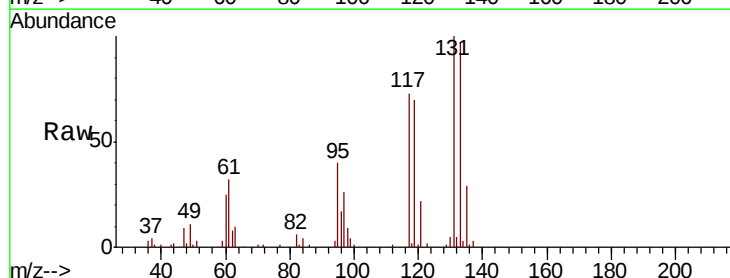
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

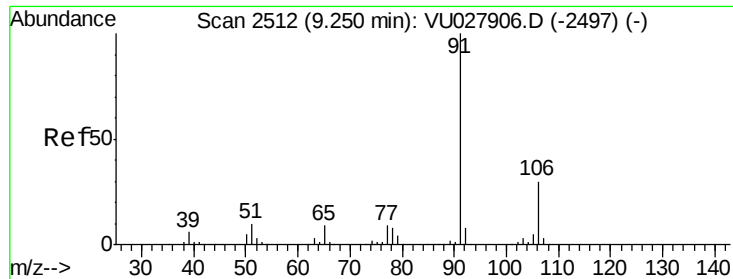
Tot Ion:112 Resp: 119642
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.359 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion:131 Resp: 43196
Ion Ratio Lower Upper
131 100
133 94.1 48.1 144.4
119 66.6 34.0 101.8

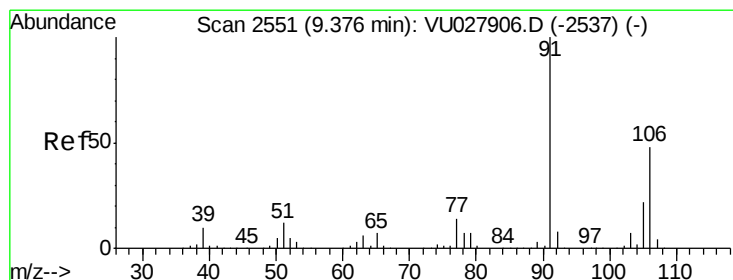
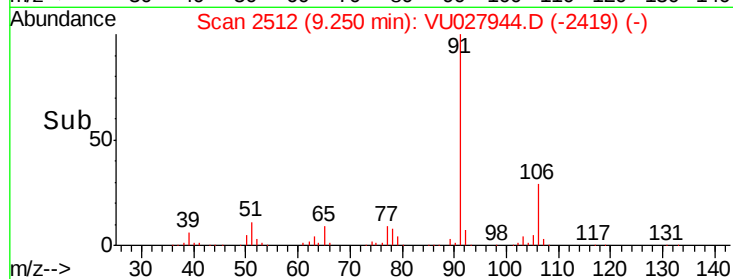
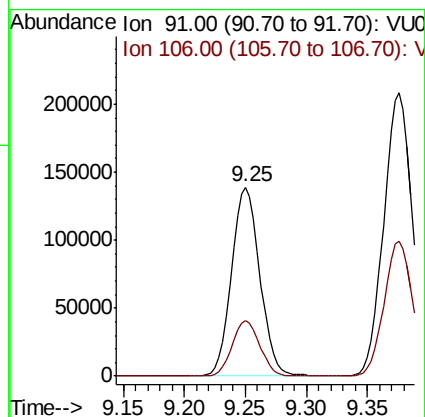
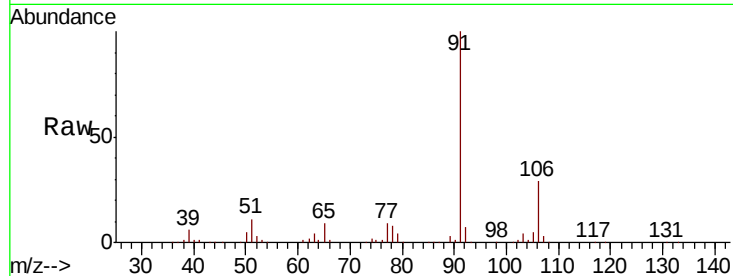




#67
Ethyl Benzene
Concen: 19.695 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

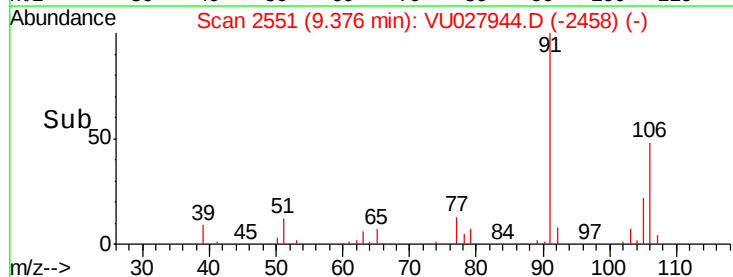
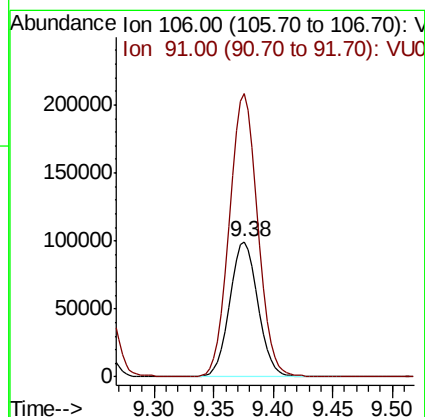
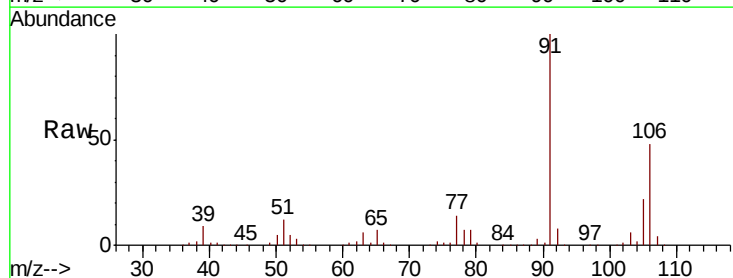
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

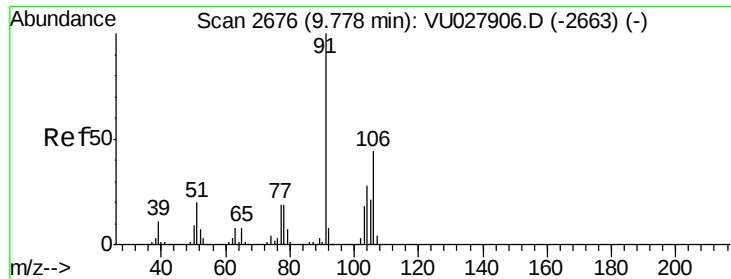
Tot Ion: 91 Resp: 225185
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4



#68
m/p-Xylenes
Concen: 39.450 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 106 Resp: 163663
Ion Ratio Lower Upper
106 100
91 210.7 168.2 252.4

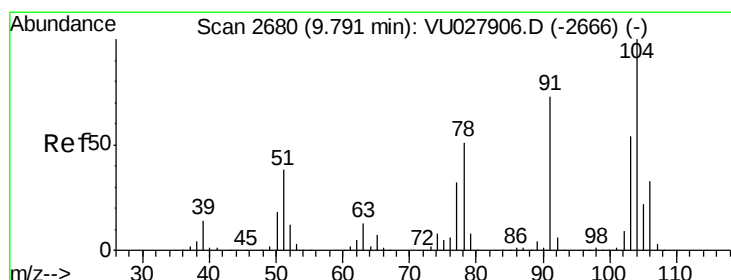
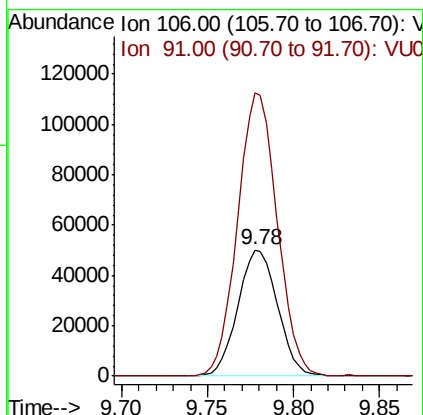
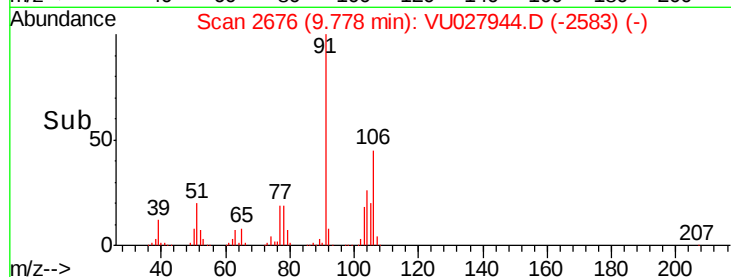
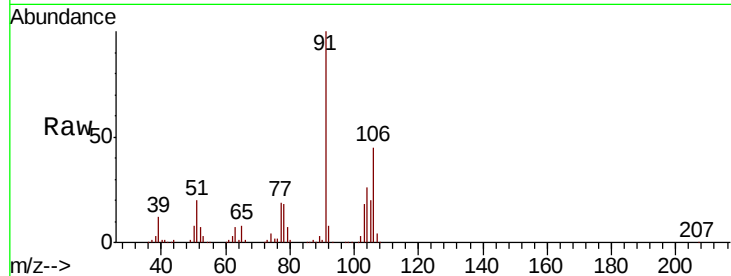




#69
o-Xylene
Concen: 19.167 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

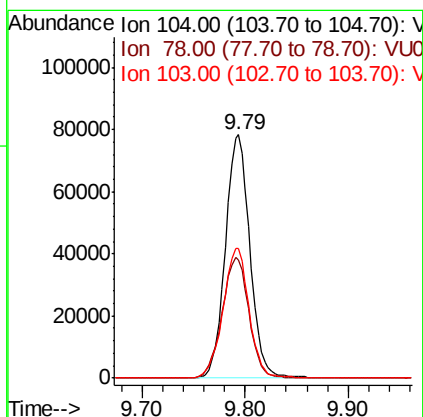
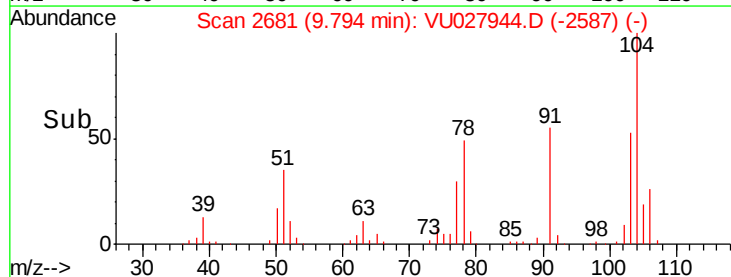
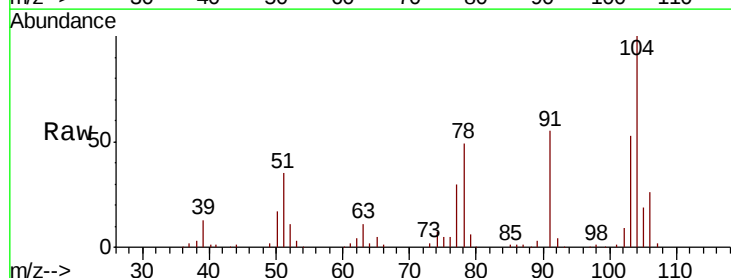
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Tot Ion:106 Resp: 80296
Ion Ratio Lower Upper
106 100
91 224.0 111.1 333.4



#70
Styrene
Concen: 19.363 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion:104 Resp: 129609
Ion Ratio Lower Upper
104 100
78 54.0 43.0 64.4
103 56.7 45.1 67.7





#71

Bromoform

Concen: 19.609 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

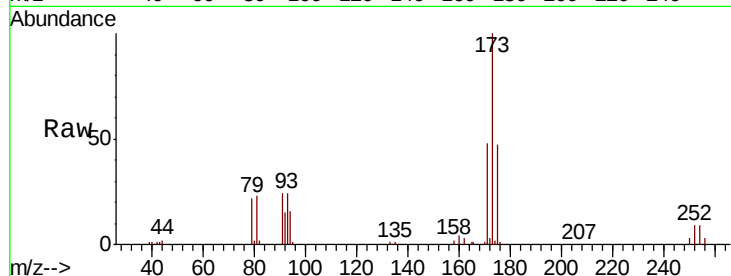
Tot Ion:173 Resp: 34867

Ion Ratio Lower Upper

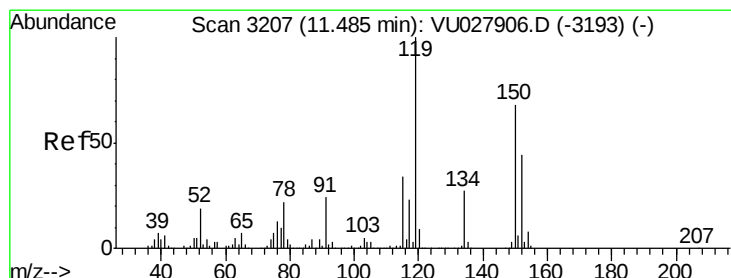
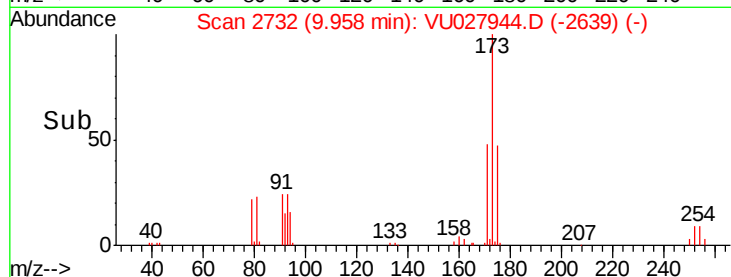
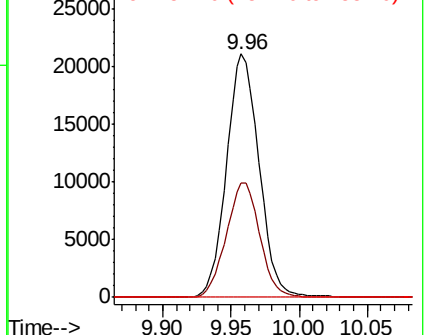
173 100

175 48.2 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: VU027944.D

Acq: 05 Nov 2018 10:07

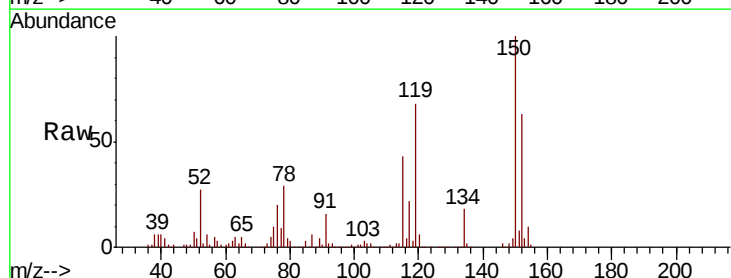
Tgt Ion:152 Resp: 140023

Ion Ratio Lower Upper

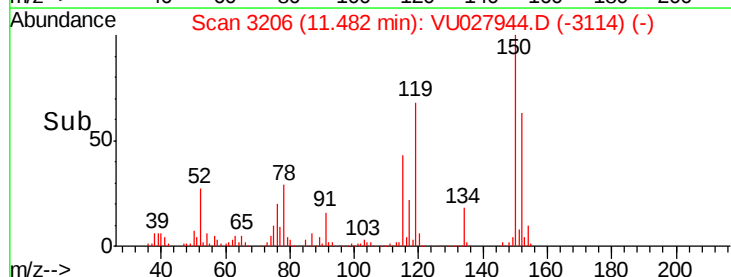
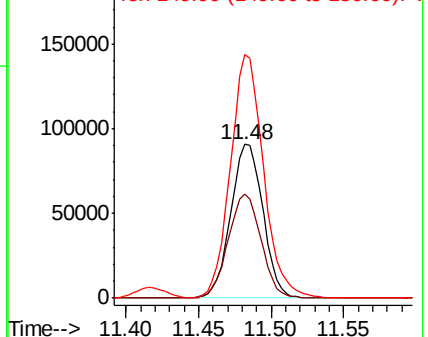
152 100

115 68.8 43.0 129.0

150 162.2 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: 20.196 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

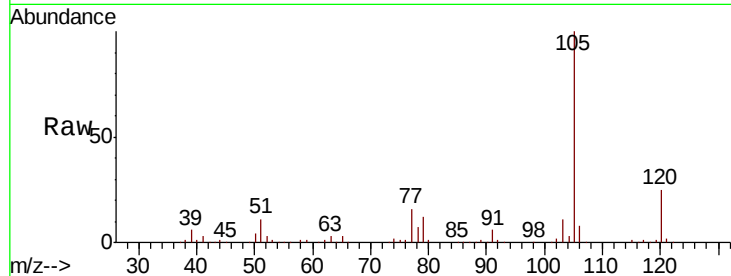
VU1105WBSD01

Tot Ion:105 Resp: 219078

Ion Ratio Lower Upper

105 100

120 24.9 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

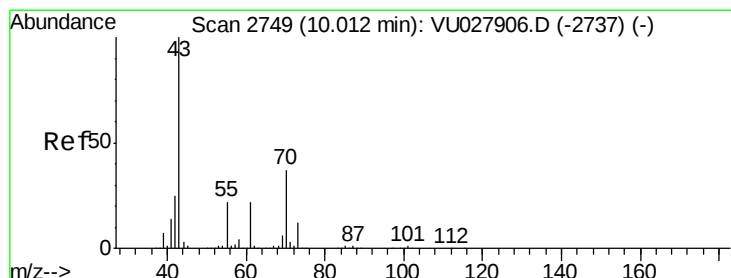
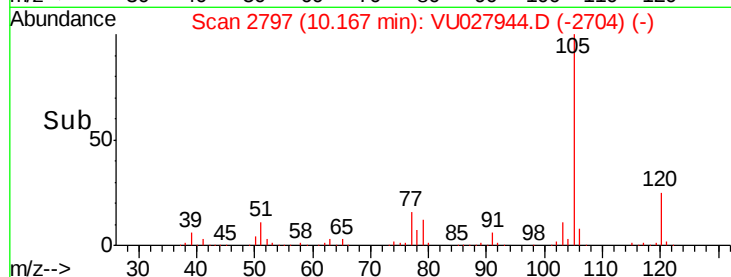
100000

50000

0

10.10 10.17 10.20

Time-->



#74

N-ethyl acetate

Concen: 19.874 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Tgt Ion: 43 Resp: 130362

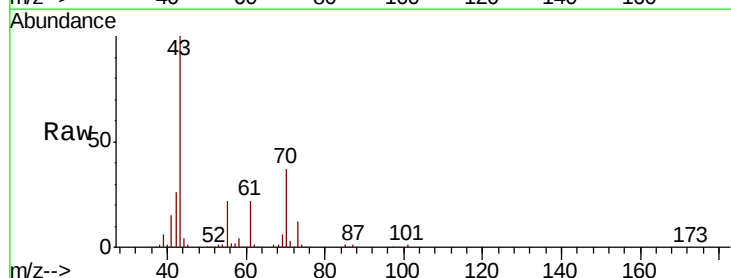
Ion Ratio Lower Upper

43 100

70 37.0 29.2 43.8

55 23.3 17.8 26.6

61 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

120000

100000

80000

60000

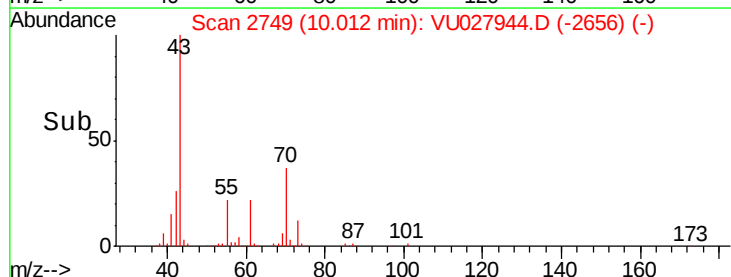
40000

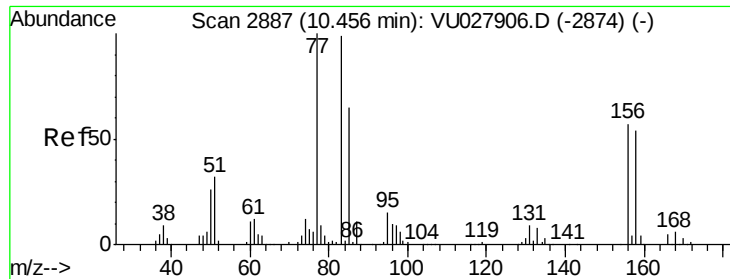
20000

0

9.95 10.01 10.05 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

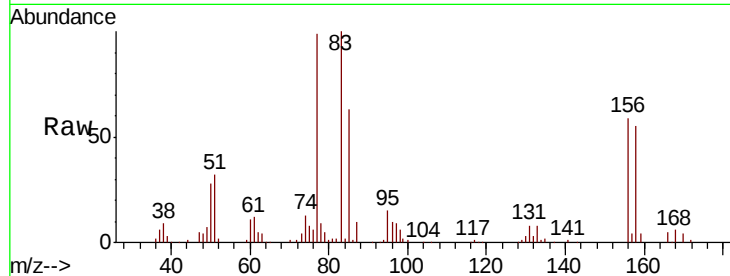
Tot Ion: 83 Resp: 86062

Ion Ratio Lower Upper

83 100

131 8.1 4.3 13.1

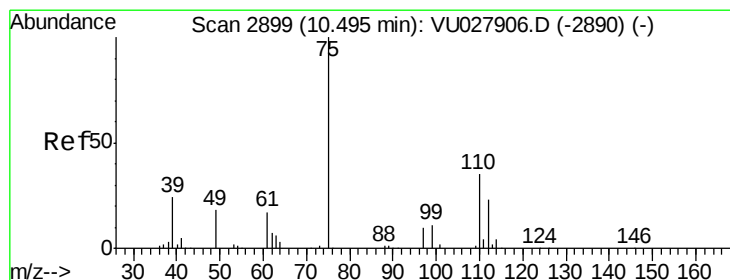
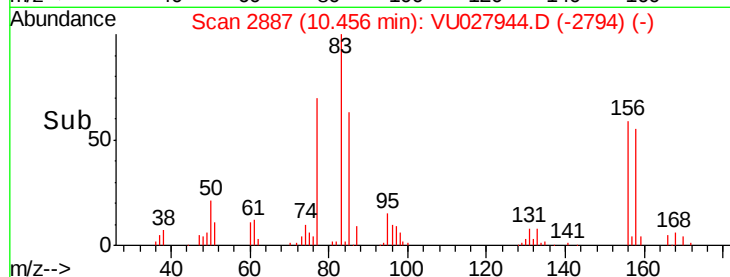
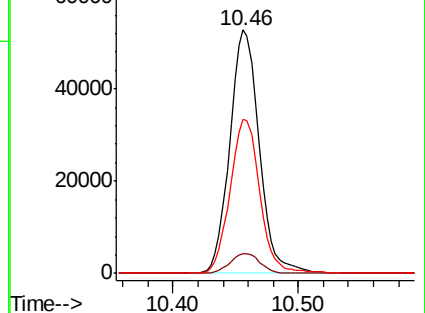
85 63.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 26.977 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027944.D

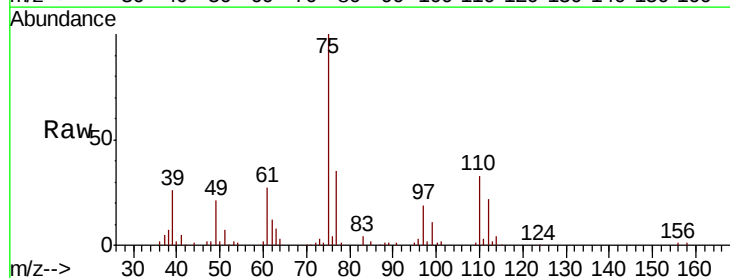
Acq: 05 Nov 2018 10:07

Tgt Ion: 75 Resp: 103321

Ion Ratio Lower Upper

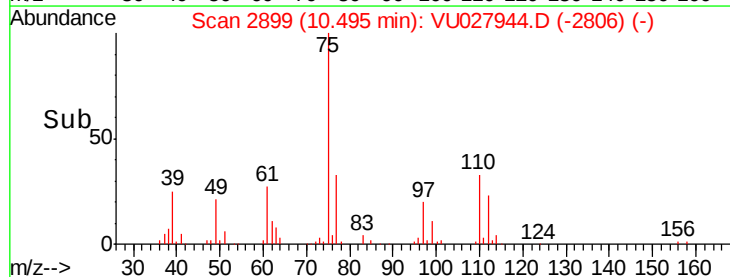
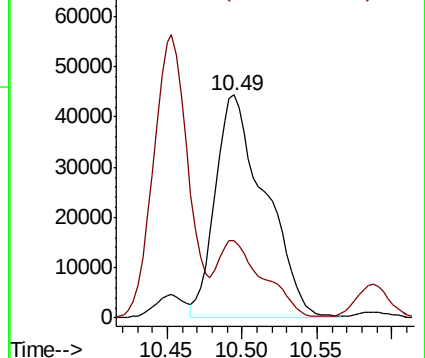
75 100

77 31.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 20.437 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

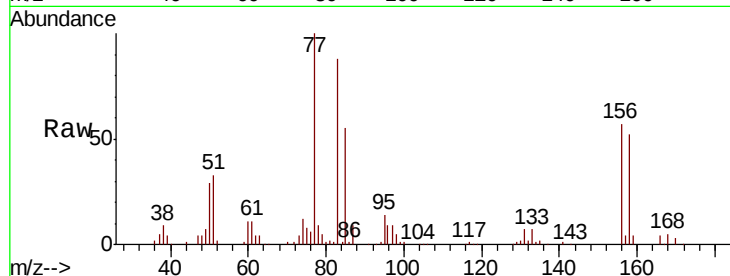
Tot Ion:156 Resp: 50834

Ion Ratio Lower Upper

156 100

77 179.1 91.8 275.6

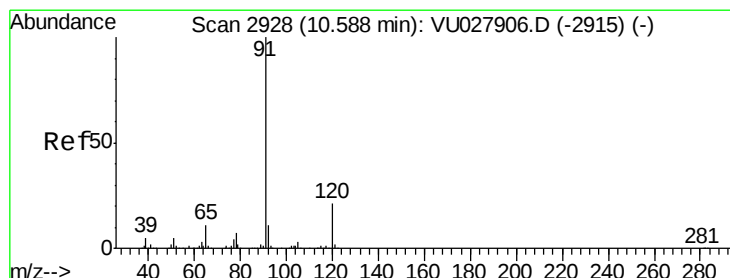
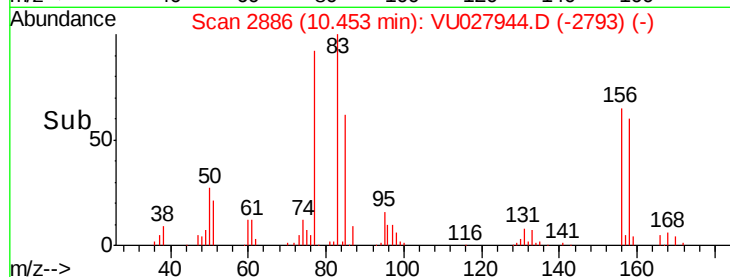
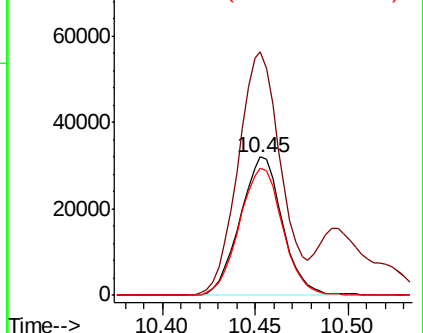
158 94.4 48.4 145.2



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: 20.024 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027944.D

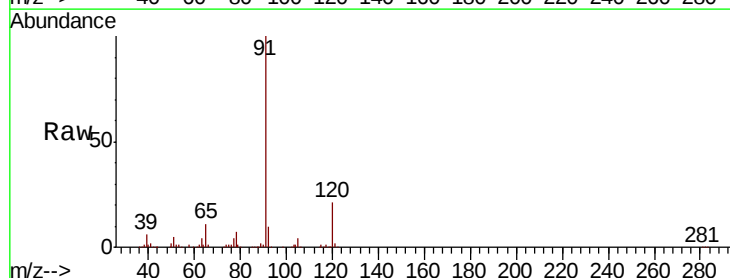
Acq: 05 Nov 2018 10:07

Tgt Ion: 91 Resp: 259993

Ion Ratio Lower Upper

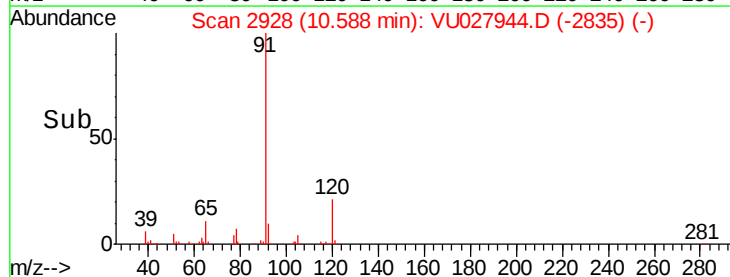
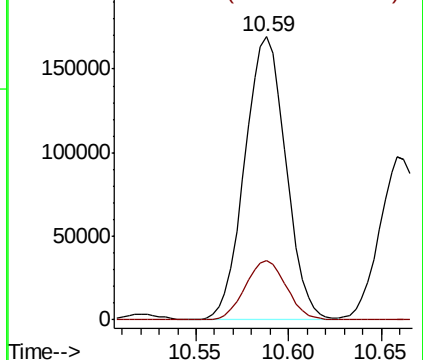
91 100

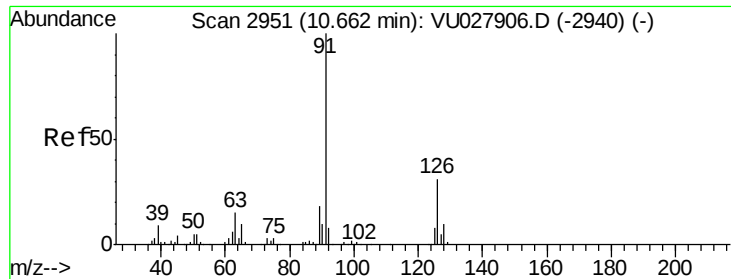
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.515 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

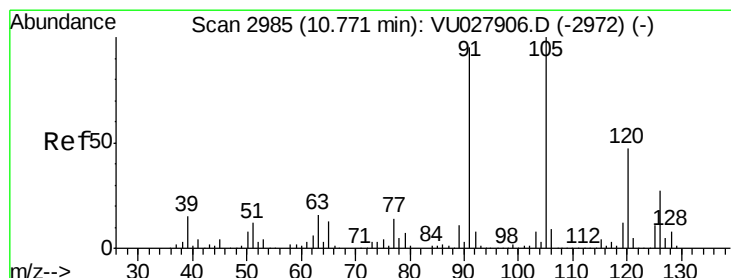
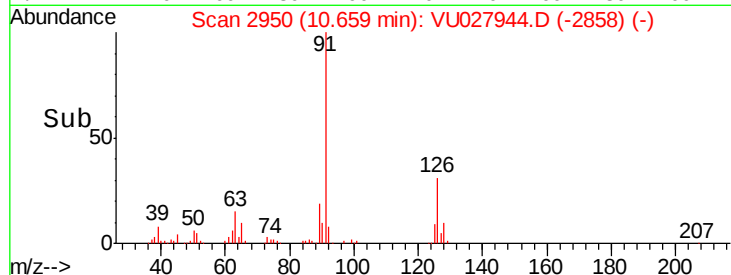
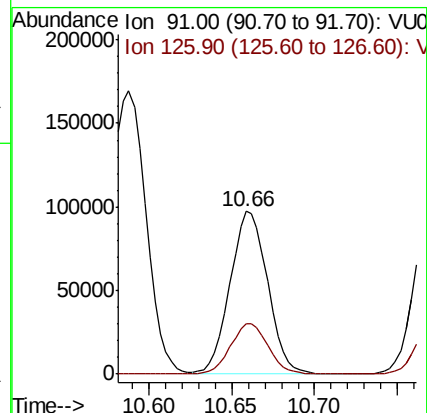
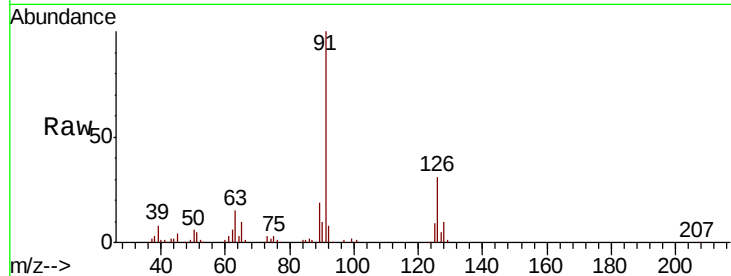
VU1105WBSD01

Tot Ion: 91 Resp: 151882

Ion Ratio Lower Upper

91 100

126 31.3 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 20.098 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027944.D

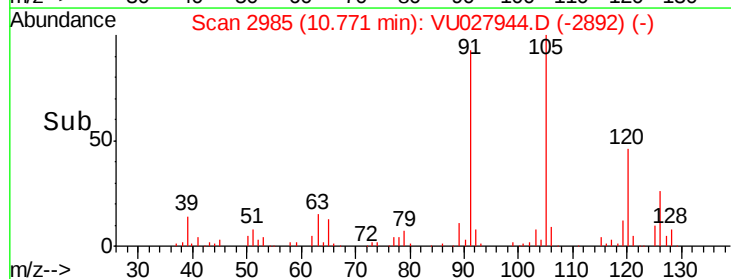
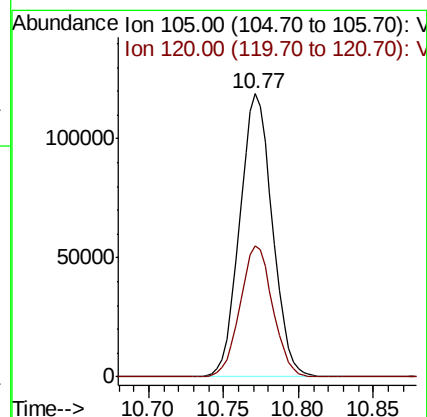
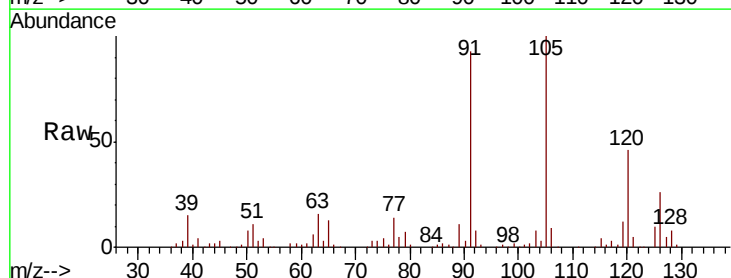
Acq: 05 Nov 2018 10:07

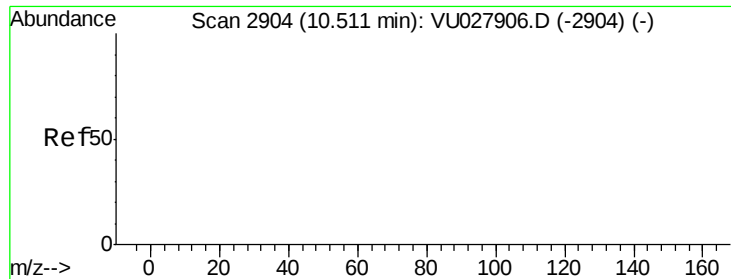
Tgt Ion: 105 Resp: 180602

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 67.263 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

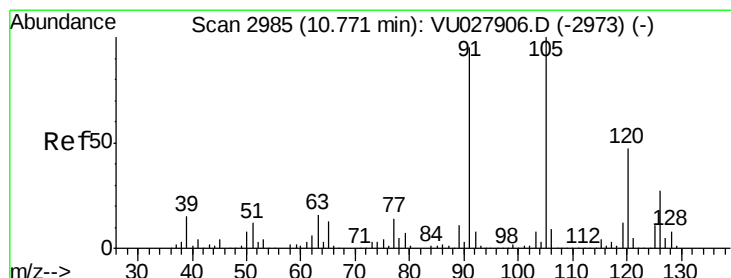
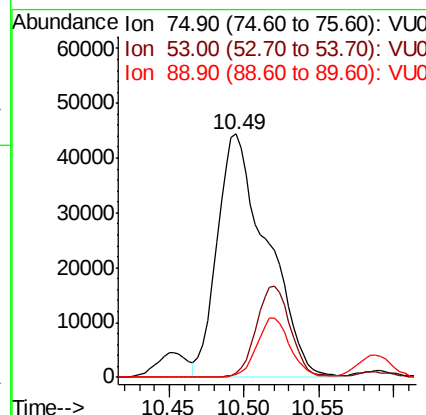
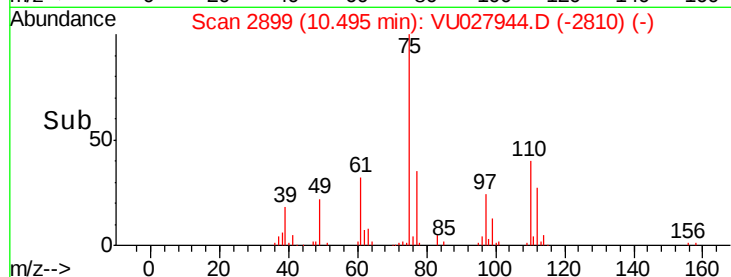
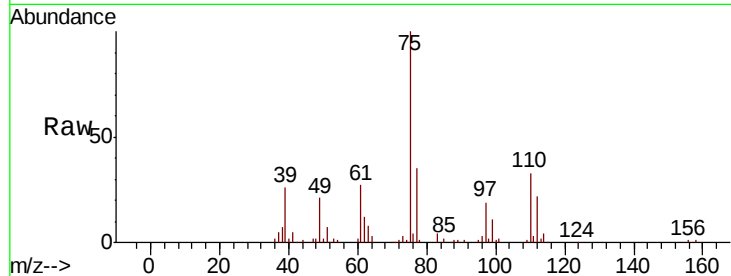
Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

Tot Ion: 75 Resp: 103321

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 19.220 ug/l

RT: 10.77 min Scan# 2985

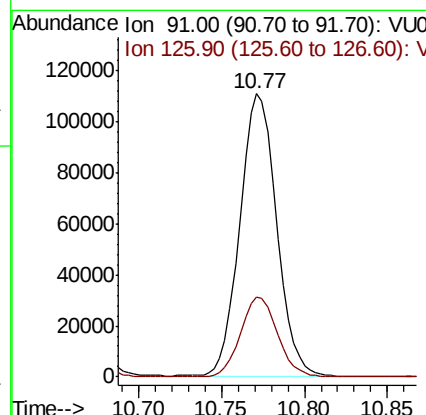
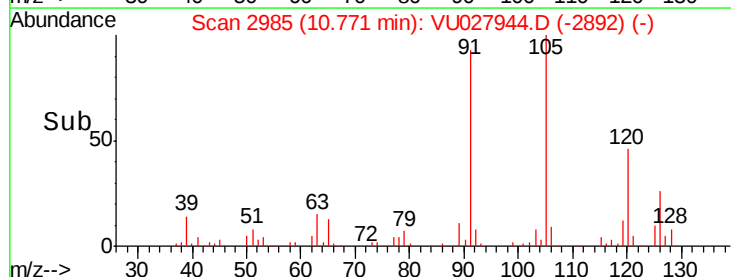
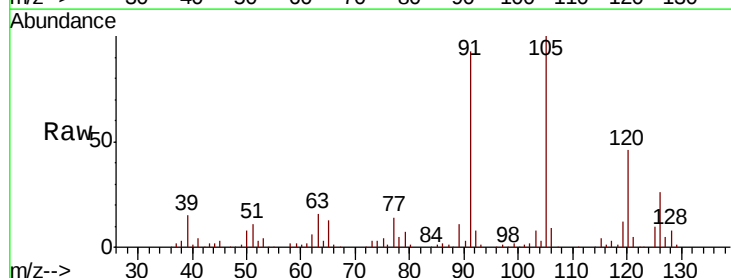
Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Tgt Ion: 91 Resp: 169820

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

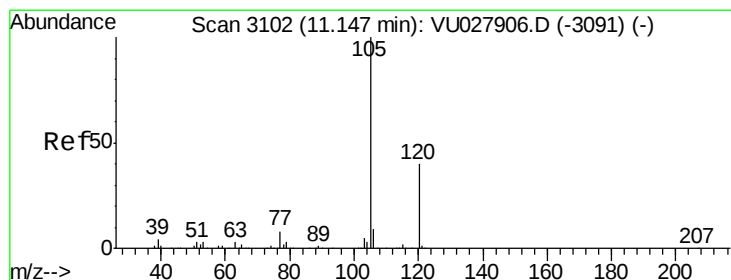
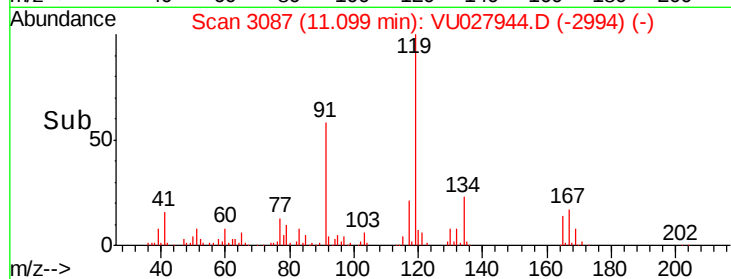
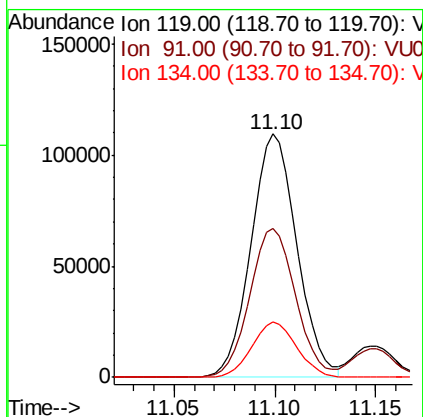
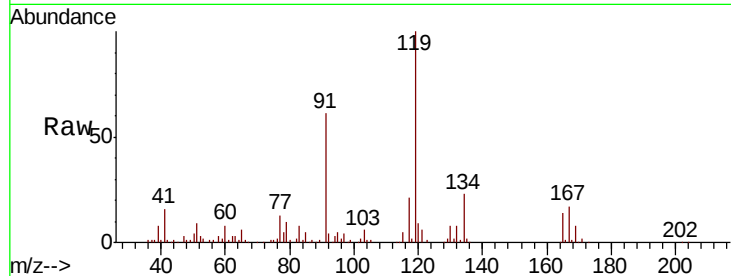




#83
 tert-Butylbenzene
 Concen: 19.385 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

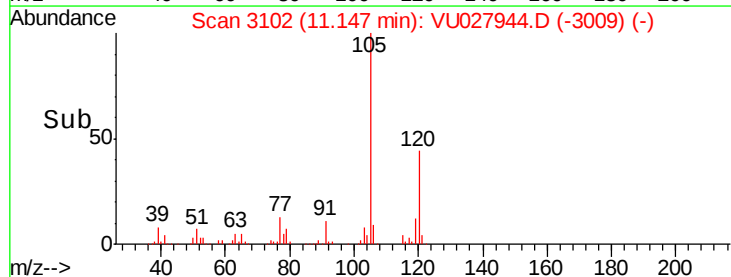
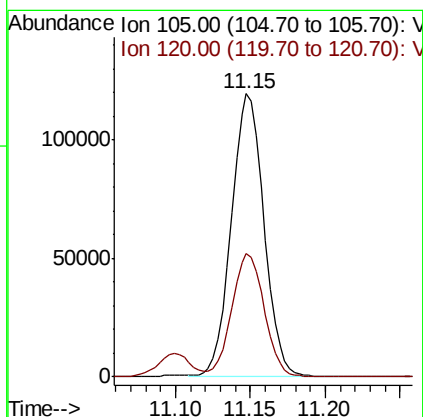
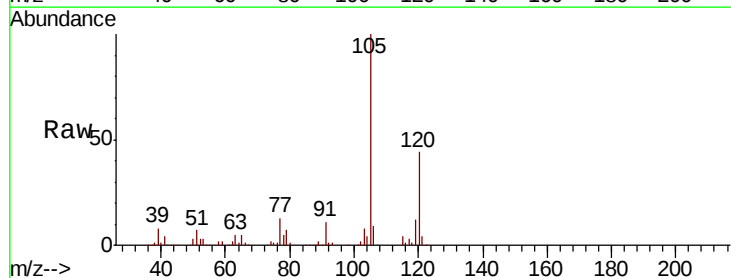
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

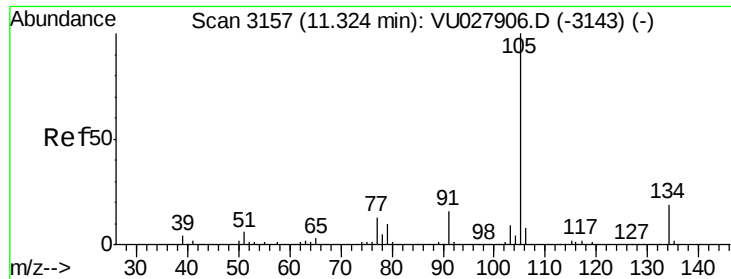
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.8	89.3
134	22.0	11.1	33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.943 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

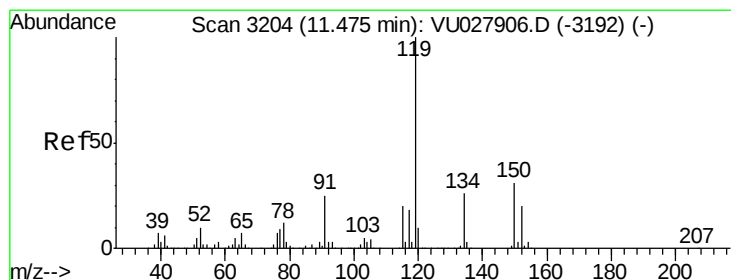
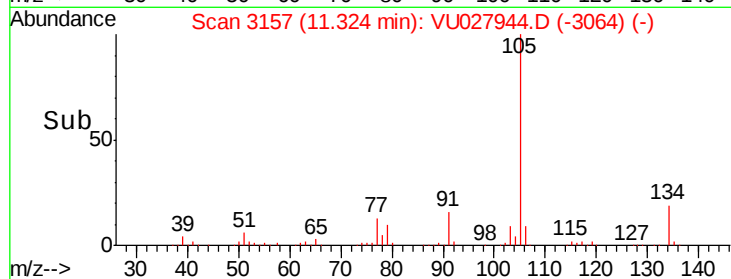
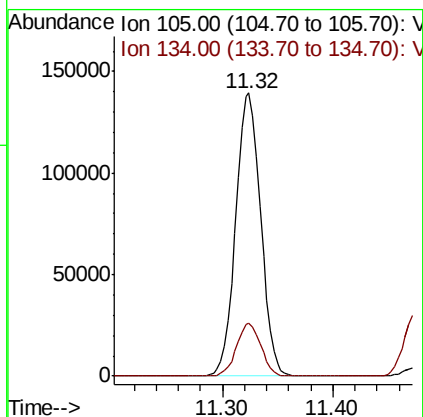
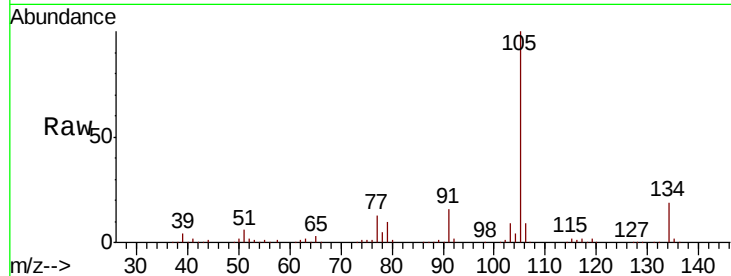




#85
 sec-Butylbenzene
 Concen: 20.009 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

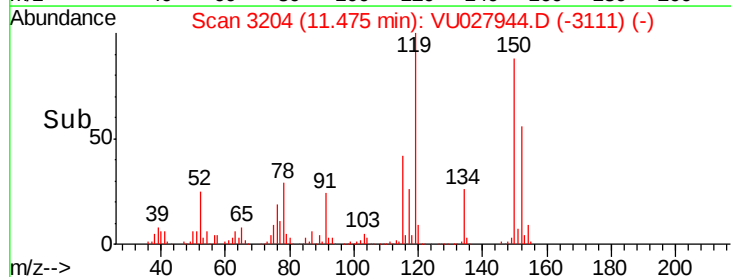
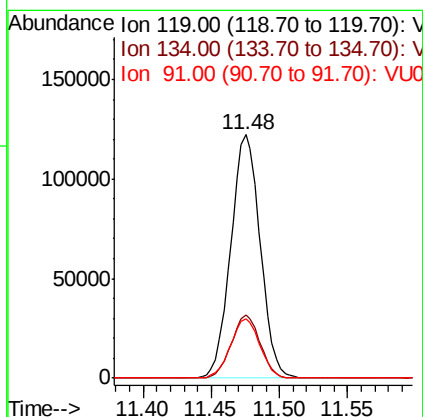
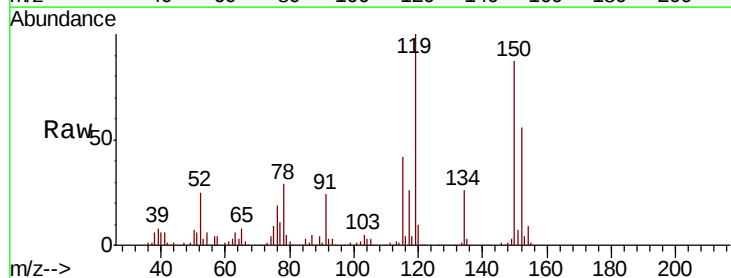
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

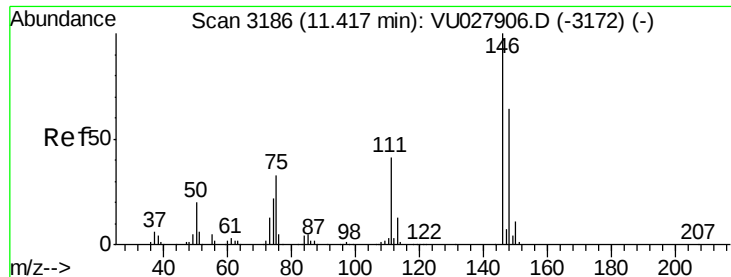
Tot Ion:105 Resp: 218601
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.946 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion:119 Resp: 182172
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.433 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

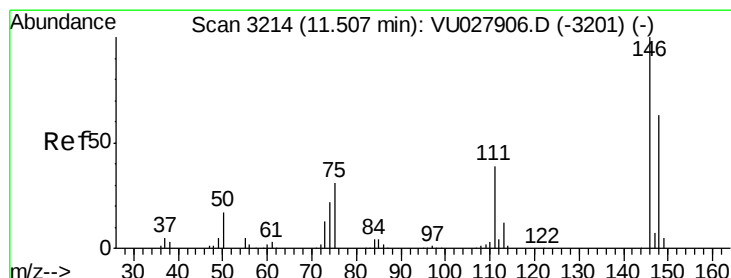
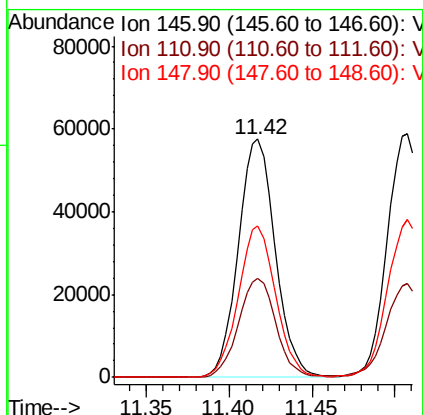
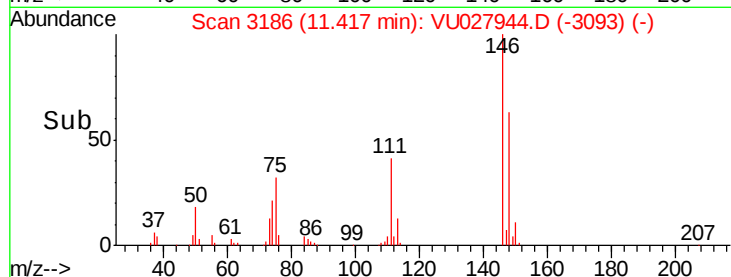
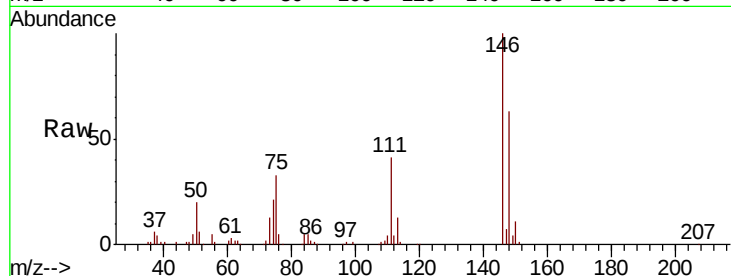
Tot Ion:146 Resp: 89289

Ion Ratio Lower Upper

146 100

111 41.8 20.3 61.0

148 64.1 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.600 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

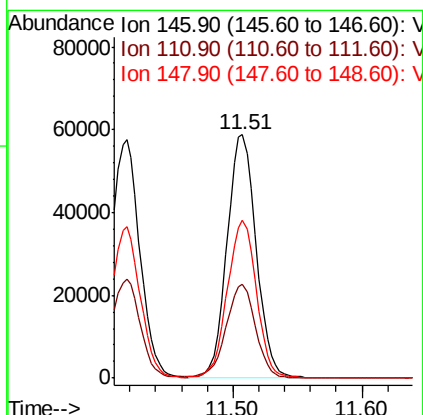
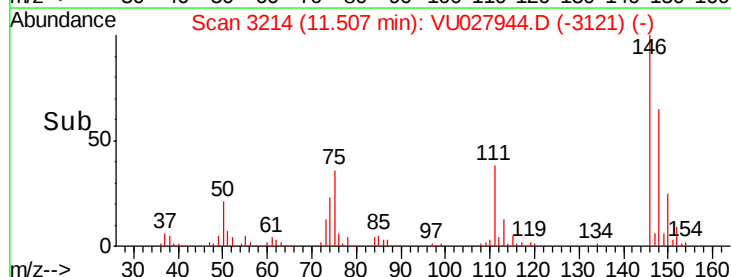
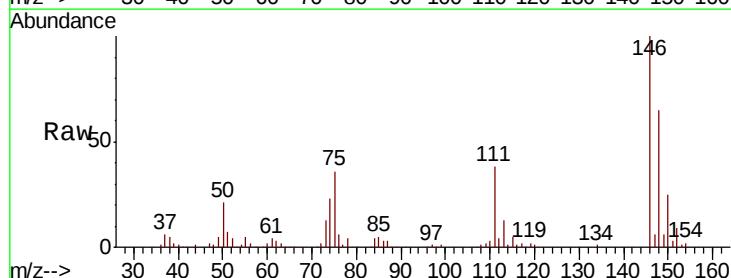
Tgt Ion:146 Resp: 92306

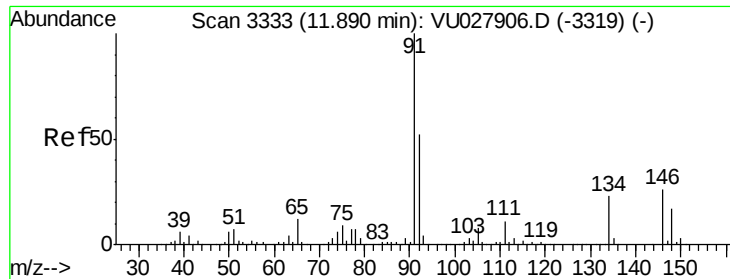
Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.9

148 64.8 32.0 96.2

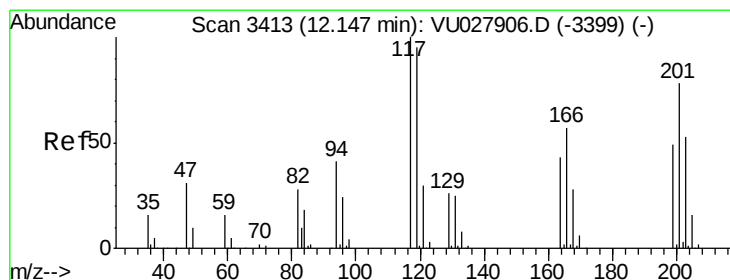
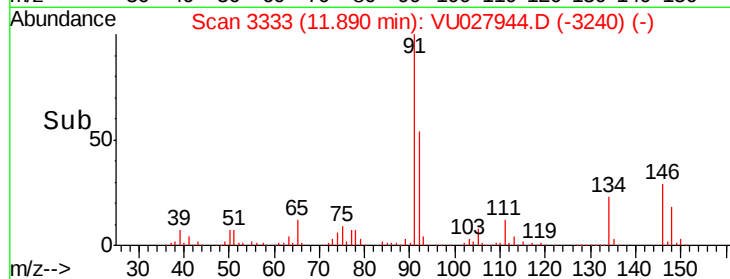
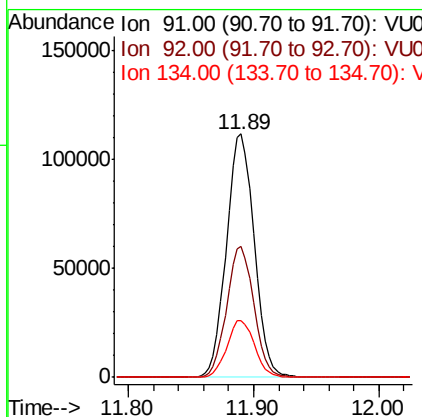
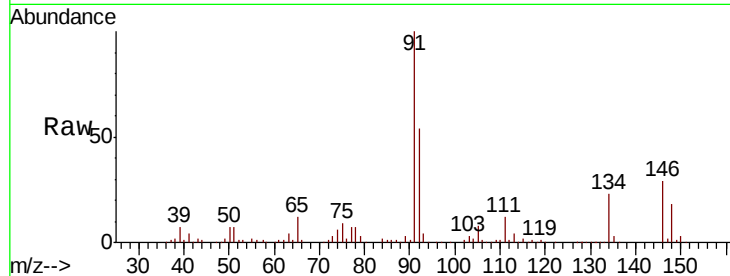




#89
n-Butylbenzene
Concen: 19.835 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

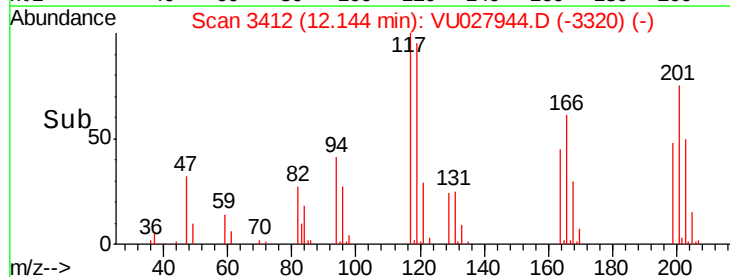
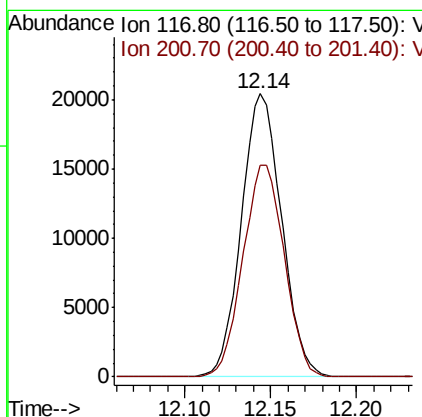
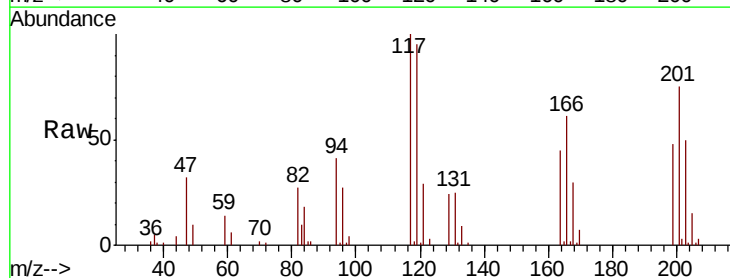
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBSD01

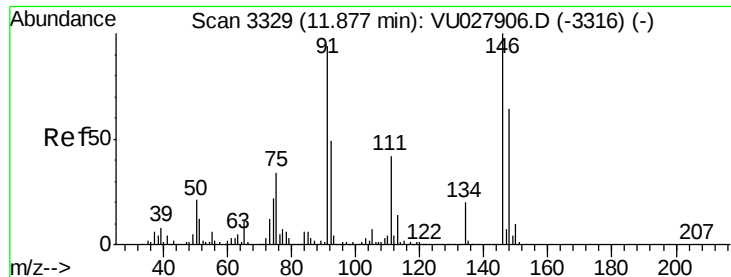
Tot Ion: 91 Resp: 172169
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 23.1 11.5 34.5



#90
Hexachloroethane
Concen: 20.388 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027944.D
Acq: 05 Nov 2018 10:07

Tgt Ion: 117 Resp: 33152
Ion Ratio Lower Upper
117 100
201 77.1 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 19.744 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

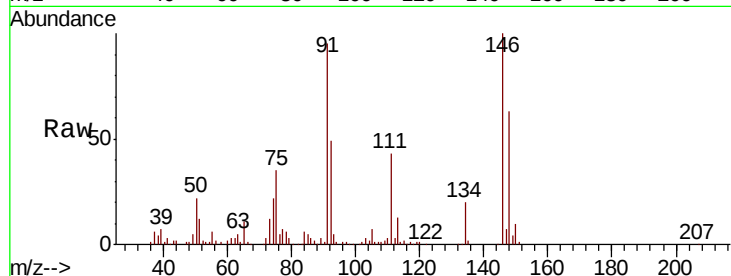
Tot Ion:146 Resp: 91232

Ion Ratio Lower Upper

146 100

111 42.8 21.3 64.0

148 63.5 31.8 95.3

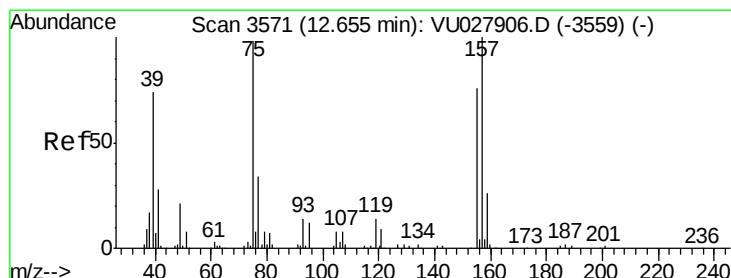
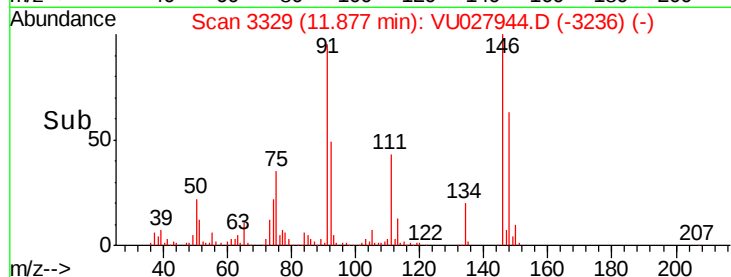
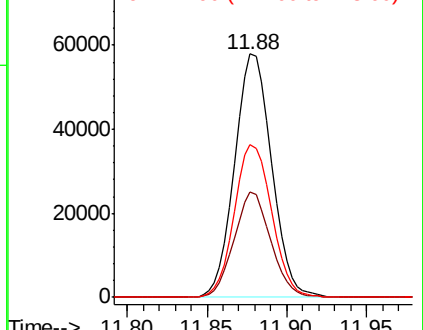


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.535 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

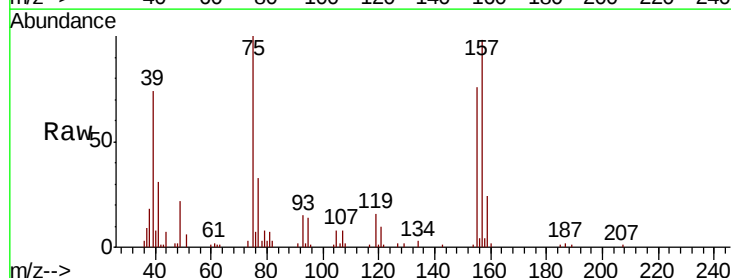
Tgt Ion: 75 Resp: 18933

Ion Ratio Lower Upper

75 100

155 76.6 39.8 119.3

157 98.7 50.6 151.9

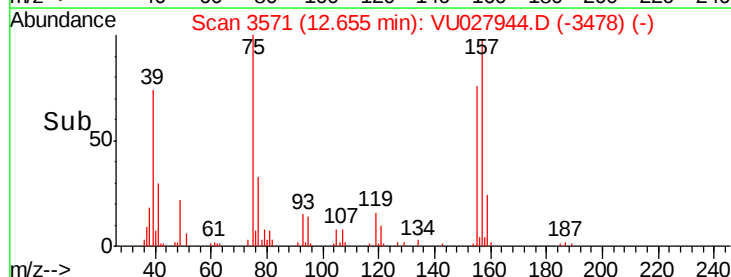
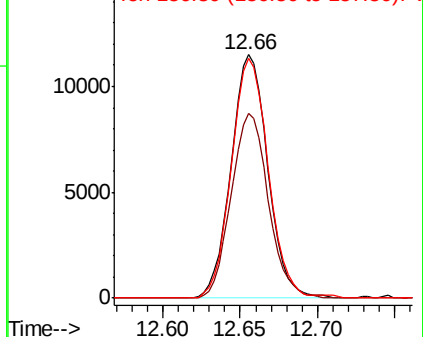


Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

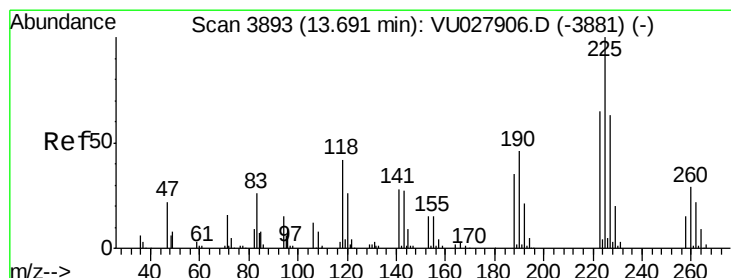
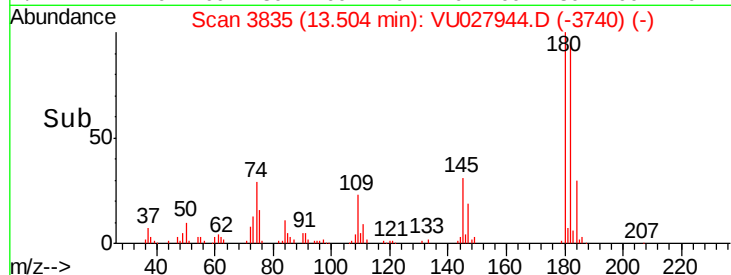
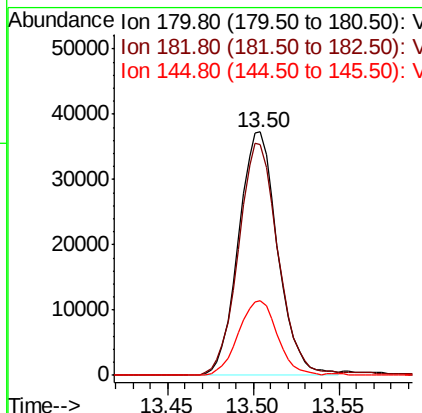
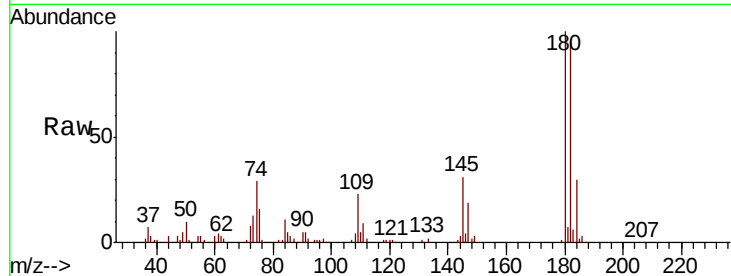




#93
 1,2,4-Trichlorobenzene
 Concen: 18.688 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

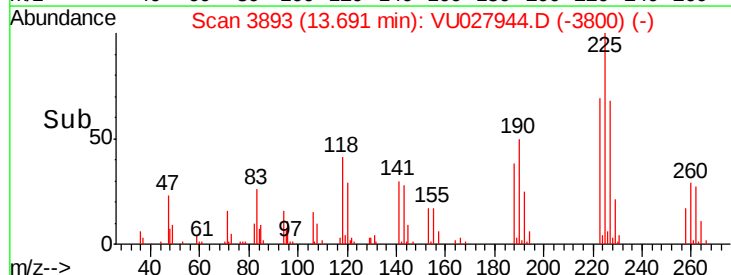
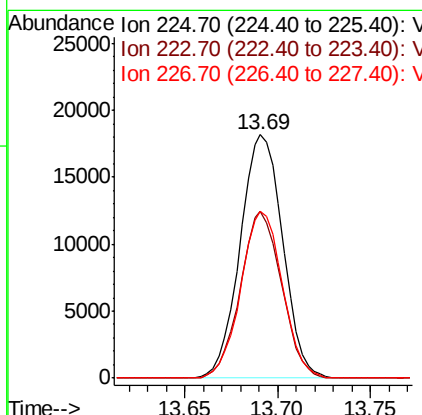
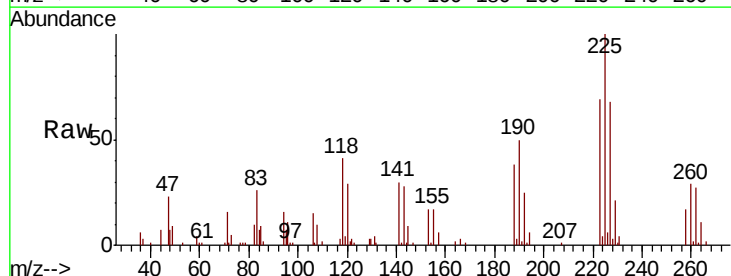
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

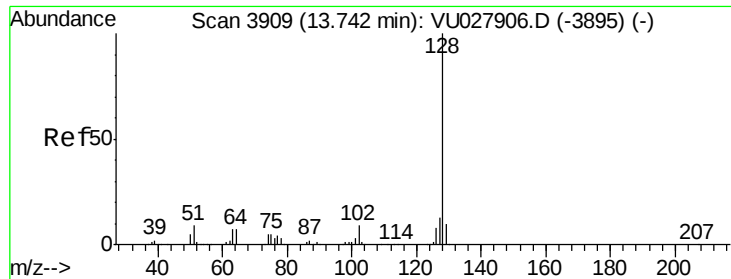
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.2
145	30.5	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 19.686 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027944.D
 Acq: 05 Nov 2018 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.2	96.6
227	66.8	32.5	97.4





#95

Naphthalene

Concen: 18.344 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBSD01

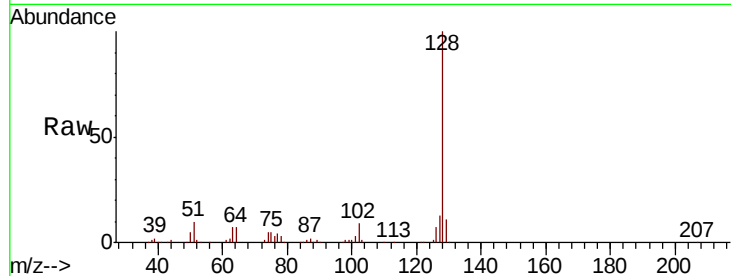
Tot Ion:128 Resp: 212008

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.4	8.3	12.5

128 100

127 13.3 10.4 15.6

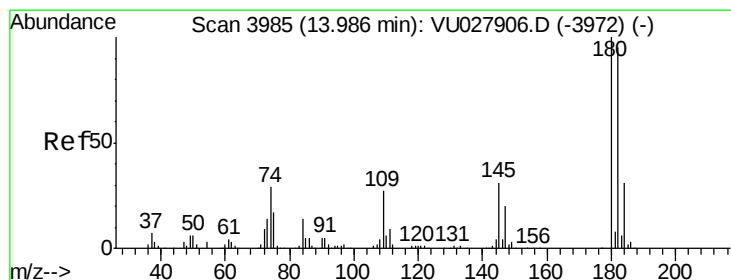
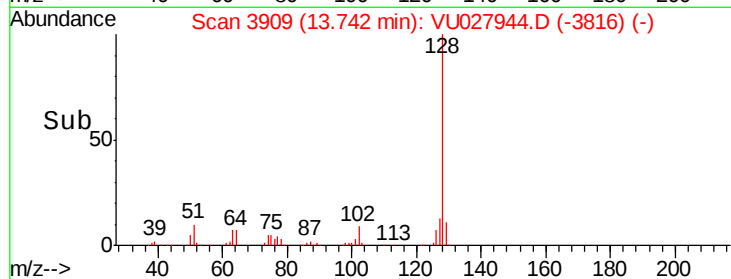
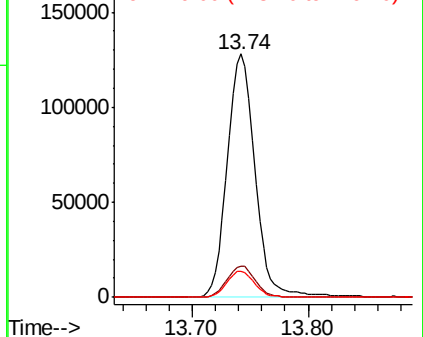
129 10.4 8.3 12.5



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: 20.019 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027944.D

Acq: 05 Nov 2018 10:07

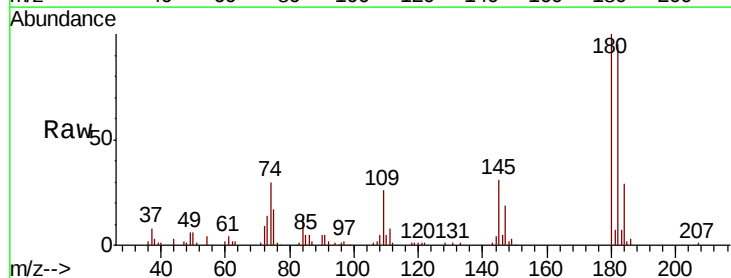
Tgt Ion:180 Resp: 62071

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	31.1	16.0	47.9

180 100

182 95.5 47.4 142.3

145 31.1 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

