

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029024.D
 Acq On : 04 Jan 2019 13:51
 Operator : MD/SY
 Sample : VU0105WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Quant Time: Jan 05 03:40:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	193433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72228	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	4.88	113	61583	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.56	98	237448	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	10.31	95	82572	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	23769	19.974	ug/l	100
3) Chloromethane	1.33	50	36628	18.849	ug/l	98
4) Vinyl Chloride	1.40	62	34667	19.768	ug/l	97
5) Bromomethane	1.61	94	18938	19.130	ug/l	98
6) Chloroethane	1.69	64	20569	19.692	ug/l	95
7) Trichlorofluoromethane	1.88	101	36978	19.351	ug/l	96
8) Diethyl Ether	2.10	74	18086	19.701	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	24128	18.871	ug/l	98
10) Methyl Iodide	2.41	142	24735	20.575	ug/l	99
11) Tert butyl alcohol	2.83	59	33695	89.365	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23875	19.184	ug/l	93
13) Acrolein	2.19	56	24627	86.983	ug/l	99
14) Allyl chloride	2.59	41	42660	18.682	ug/l	95
15) Acrylonitrile	2.93	53	91260	98.656	ug/l	99
16) Acetone	2.32	43	89852	96.154	ug/l	99
17) Carbon Disulfide	2.47	76	80037	19.077	ug/l	100
18) Methyl Acetate	2.61	43	43322	19.939	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	84101	19.222	ug/l	99
20) Methylene Chloride	2.70	84	30073	18.955	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	26964	18.649	ug/l	98
22) Diisopropyl ether	3.57	45	91978	20.381	ug/l	95
23) Vinyl Acetate	3.52	43	369589	100.176	ug/l	99
24) 1,1-Dichloroethane	3.44	63	51635	19.820	ug/l	98
25) 2-Butanone	4.26	43	124478	98.626	ug/l	97
26) 2,2-Dichloropropane	4.22	77	42347	20.117	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	31009	19.609	ug/l	99
28) Bromochloromethane	4.55	49	24608	22.059	ug/l	97
29) Tetrahydrofuran	4.64	42	75041	98.029	ug/l	98
30) Chloroform	4.67	83	50443	20.328	ug/l	100
31) Cyclohexane	4.99	56	50688	19.936	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	40224	19.618	ug/l	97
36) 1,1-Dichloropropene	5.13	75	37969	19.638	ug/l	99
37) Ethyl Acetate	4.38	43	41193	19.410	ug/l	100
38) Carbon Tetrachloride	5.13	117	32624	20.231	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	46599	19.605	ug/l	99
40) Benzene	5.39	78	119352	19.790	ug/l	100
41) Methacrylonitrile	4.54	41	22981	20.229	ug/l	99
42) 1,2-Dichloroethane	5.40	62	38412	21.196	ug/l	99
43) Isopropyl Acetate	5.55	43	66872	20.541	ug/l	99
44) Trichloroethene	6.18	130	28776	19.257	ug/l	95
45) 1,2-Dichloropropane	6.43	63	32205	20.221	ug/l	98
46) Dibromomethane	6.56	93	20637	20.270	ug/l	99
47) Bromodichloromethane	6.76	83	37917	20.227	ug/l	99
48) Methyl methacrylate	6.62	41	32841	20.717	ug/l	99
49) 1,4-Dioxane	6.61	88	14513	386.322	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	217651	98.236	ug/l	99
52) Toluene	7.64	92	73600	20.046	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	43756	19.431	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	48736	20.029	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29745	20.223	ug/l	99
56) Ethyl methacrylate	8.02	69	44229	19.518	ug/l	97
57) 1,3-Dichloropropane	8.24	76	51250	20.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	101398	101.749	ug/l	98
59) 2-Hexanone	8.36	43	172334	99.090	ug/l	97
60) Dibromochloromethane	8.48	129	28815	19.774	ug/l	97
61) 1,2-Dibromoethane	8.58	107	31643	19.836	ug/l	100
64) Tetrachloroethene	8.22	164	26076	19.840	ug/l	94
65) Chlorobenzene	9.12	112	77481	18.945	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26626	20.062	ug/l	99
67) Ethyl Benzene	9.25	91	132502	19.406	ug/l	99
68) m/p-Xylenes	9.37	106	104284	39.308	ug/l	96
69) o-Xylene	9.78	106	49724	19.452	ug/l	99
70) Styrene	9.79	104	80167	19.130	ug/l	100
71) Bromoform	9.96	173	22344	18.908	ug/l #	97
73) Isopropylbenzene	10.16	105	128430	19.518	ug/l	99
74) N-amyl acetate	10.01	43	55817	19.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51048	19.357	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	57467	26.384	ug/l	82
77) Bromobenzene	10.45	156	33482	19.526	ug/l	100
78) n-propylbenzene	10.58	91	152756	19.699	ug/l	99
79) 2-Chlorotoluene	10.66	91	92300	19.622	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	108138	19.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	57467	68.045	ug/l #	100
82) 4-Chlorotoluene	10.77	91	103069	19.109	ug/l	100
83) tert-Butylbenzene	11.10	119	102496	18.925	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	109415	19.945	ug/l	100
85) sec-Butylbenzene	11.32	105	128879	19.677	ug/l	99
86) p-Isopropyltoluene	11.47	119	107755	19.307	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	59496	18.916	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	59871	18.441	ug/l	99
89) n-Butylbenzene	11.89	91	96175	19.307	ug/l	99
90) Hexachloroethane	12.14	117	17373	18.503	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	59323	18.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9727	19.177	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

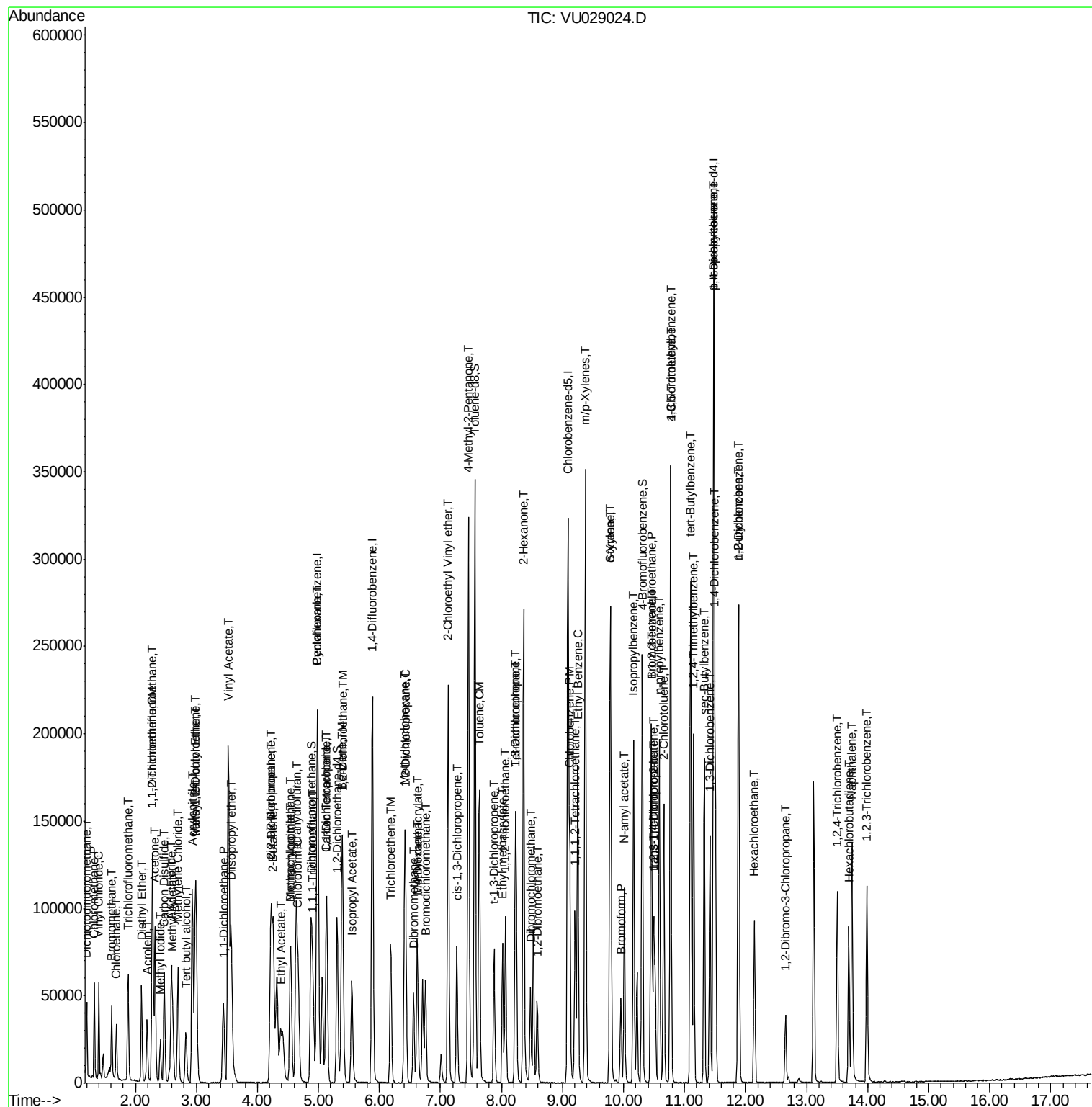
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36210	17.906	ug/l	100
94) Hexachlorobutadiene	13.69	225	17803	19.247	ug/l	98
95) Naphthalene	13.74	128	117965	17.148	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37269	18.400	ug/l	98

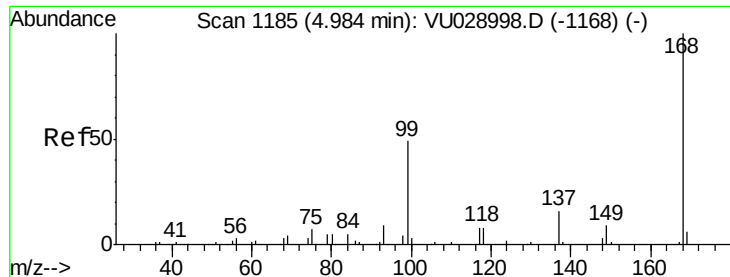
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

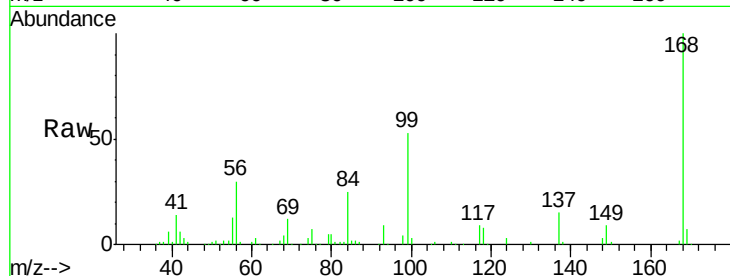
VU0105WBS01

Tot Ion:168 Resp: 119994

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

60000

50000

40000

30000

20000

10000

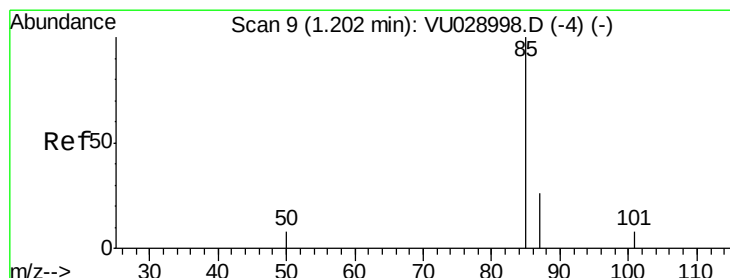
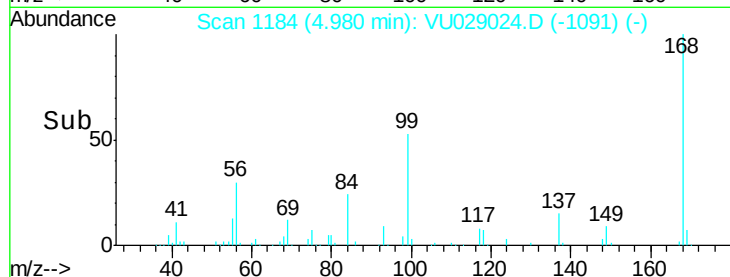
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.974 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029024.D

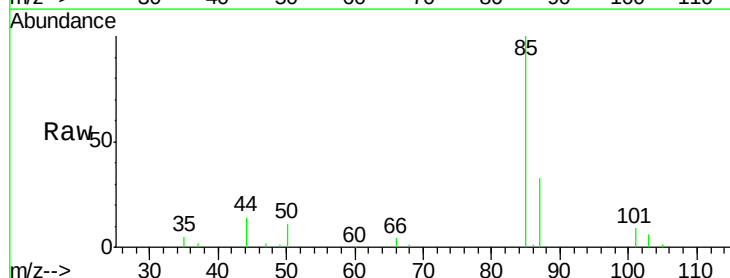
Acq: 04 Jan 2019 13:51

Tgt Ion: 85 Resp: 23769

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

25000

20000

15000

10000

5000

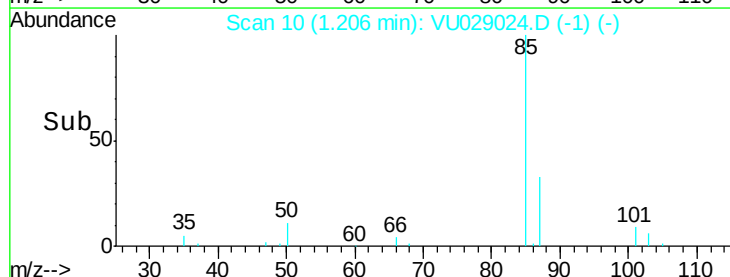
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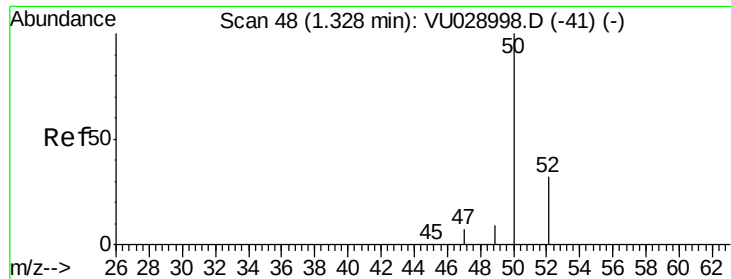
1.20

1.21

1.22

Time-->

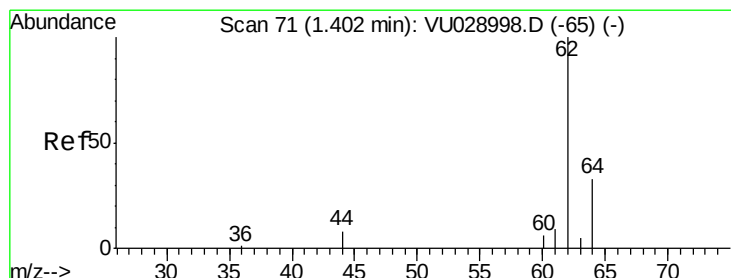
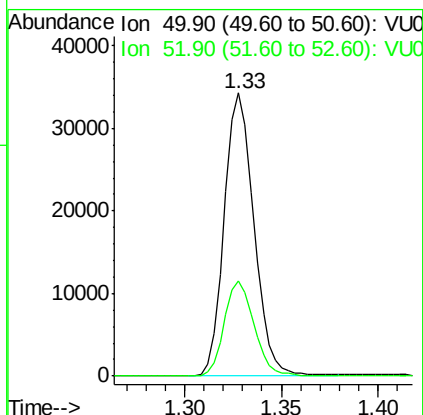
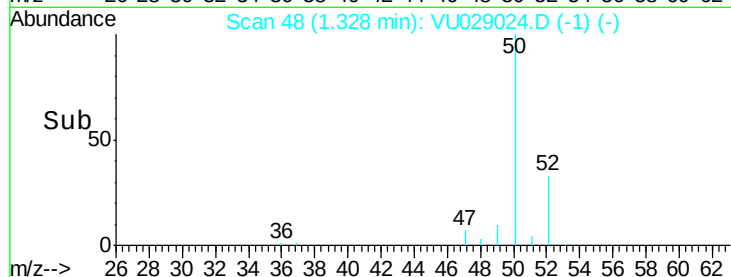
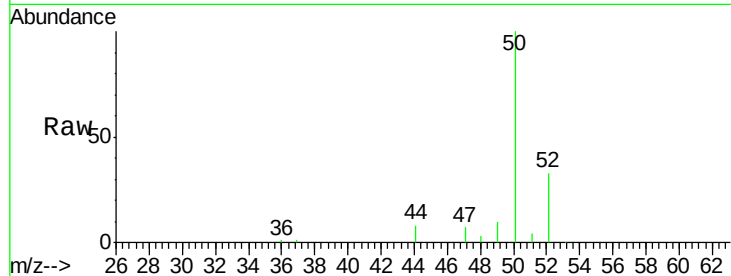




#3
Chloromethane
Concen: 18.849 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

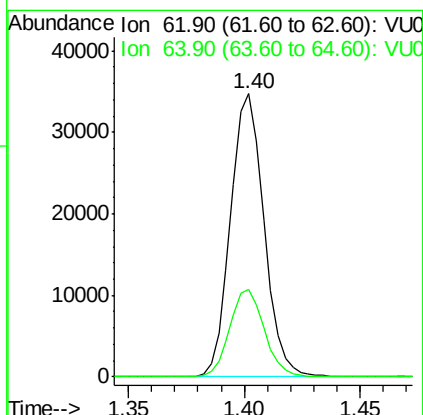
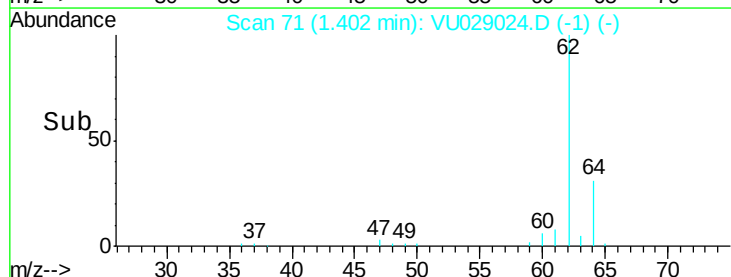
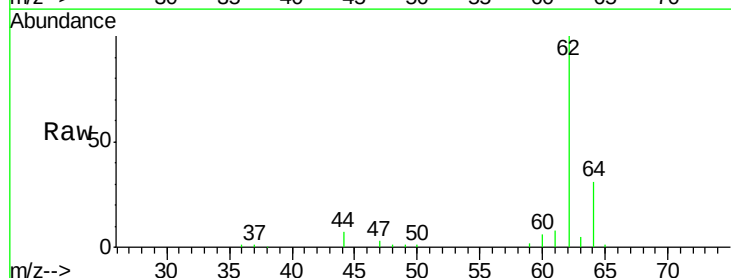
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

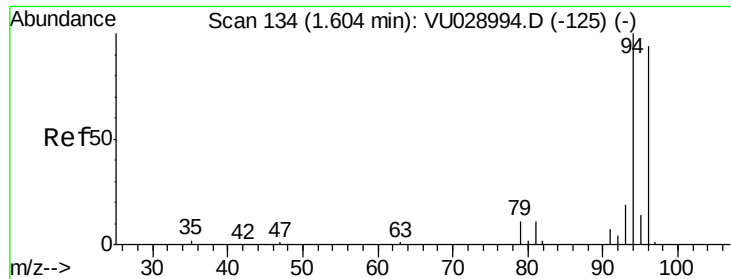
Tot Ion: 50 Resp: 36628
Ion Ratio Lower Upper
50 100
52 33.5 26.1 39.1



#4
Vinyl Chloride
Concen: 19.768 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 62 Resp: 34667
Ion Ratio Lower Upper
62 100
64 31.0 25.9 38.9

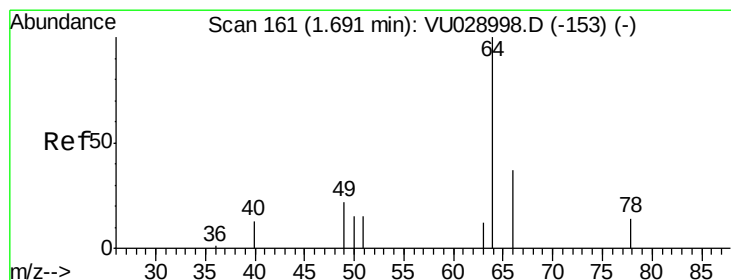
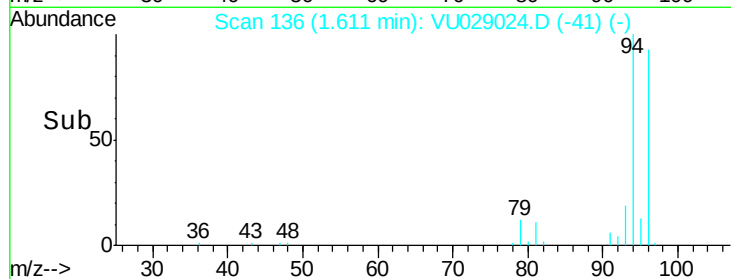
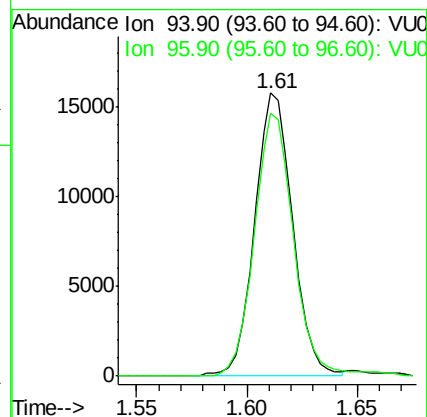
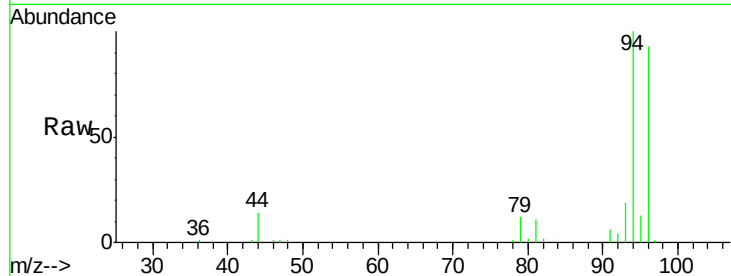




#5
Bromomethane
Concen: 19.130 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

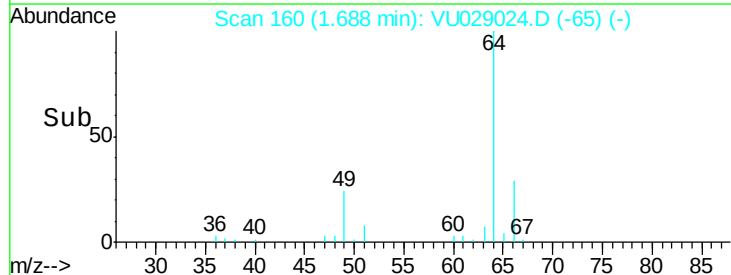
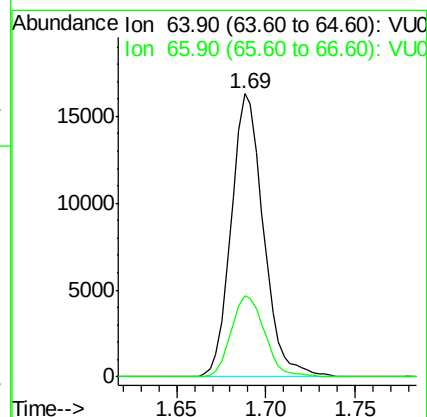
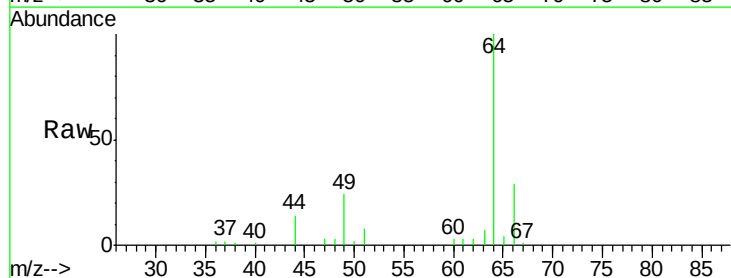
Instrument :
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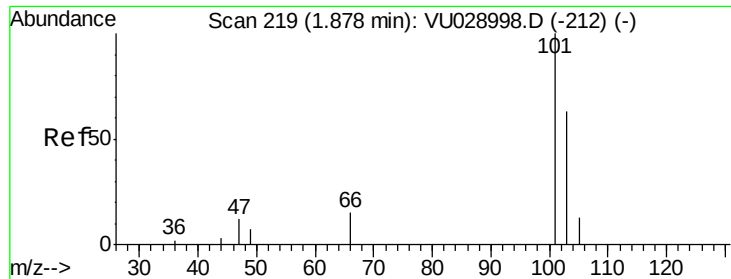
Tot Ion: 94 Resp: 18938
Ion Ratio Lower Upper
94 100
96 92.9 75.5 113.3



#6
Chloroethane
Concen: 19.692 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 64 Resp: 20569
Ion Ratio Lower Upper
64 100
66 28.6 25.2 37.8



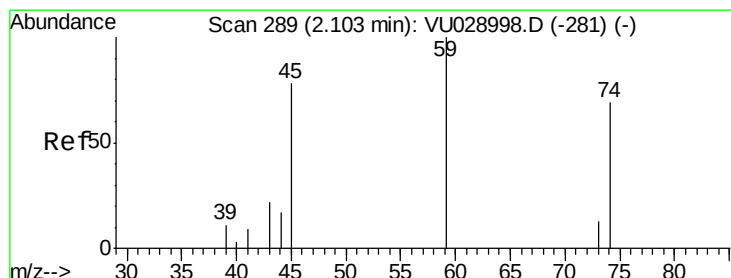
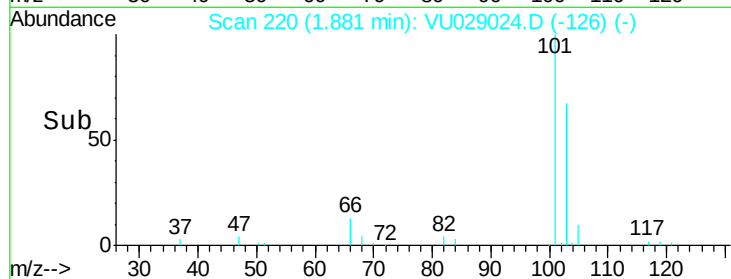
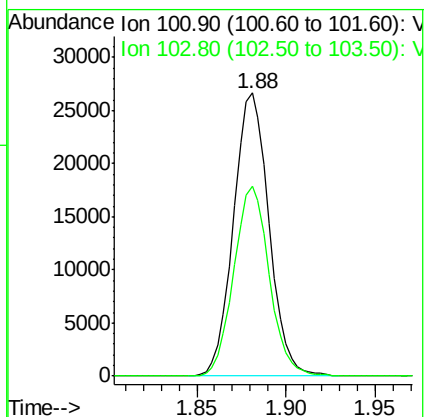
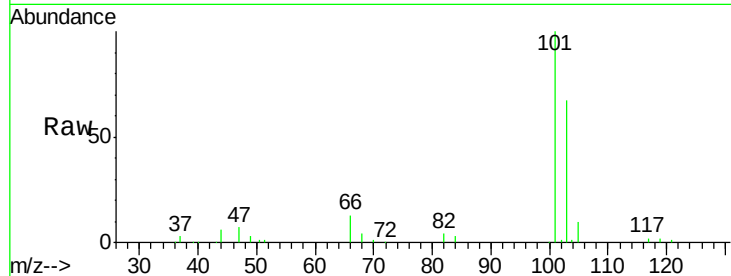


#7

Trichlorofluoromethane
 Concen: 19.351 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

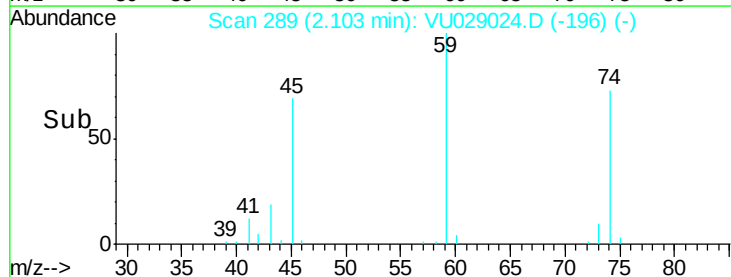
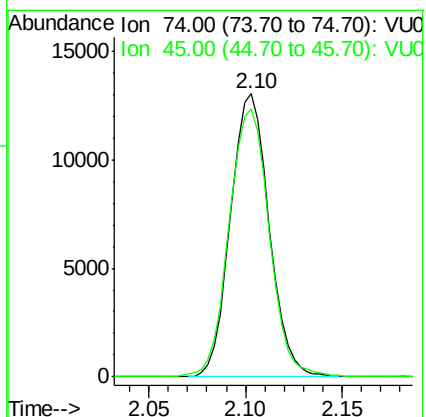
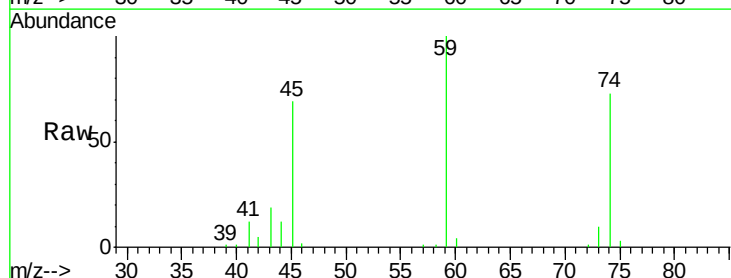
Tot Ion:101 Resp: 36978
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.5 77.3

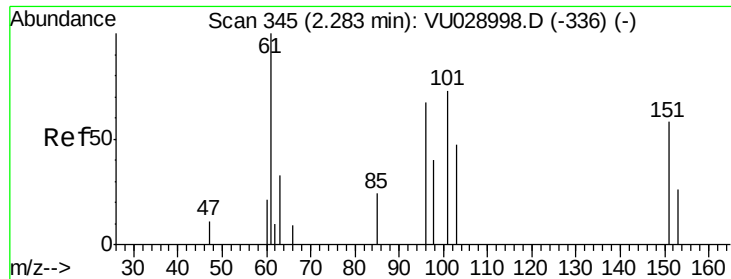


#8

Diethyl Ether
 Concen: 19.701 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 74 Resp: 18086
 Ion Ratio Lower Upper
 74 100
 45 99.0 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.871 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

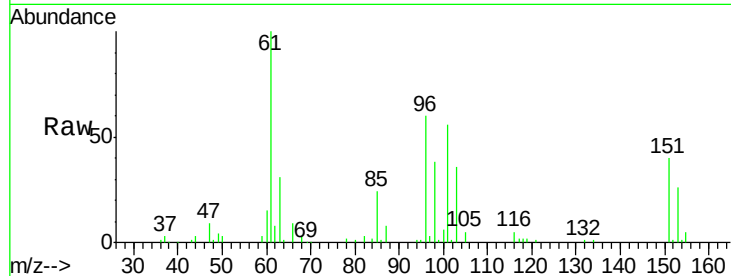
Tot Ion:101 Resp: 24128

Ion Ratio Lower Upper

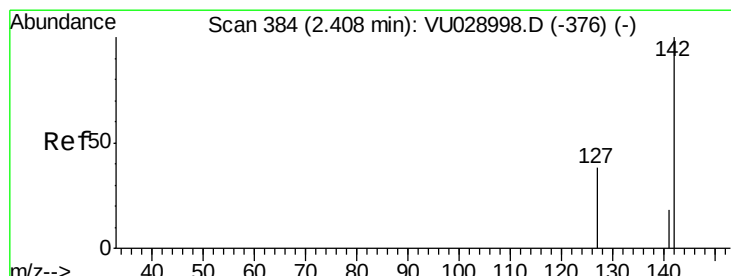
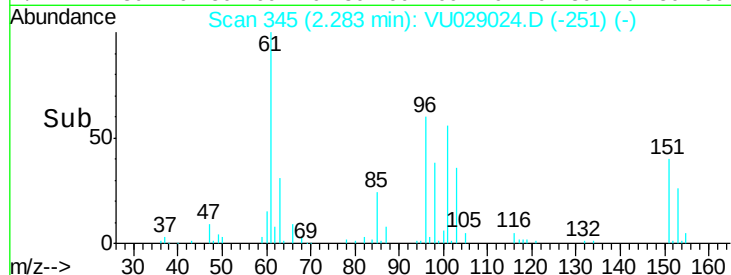
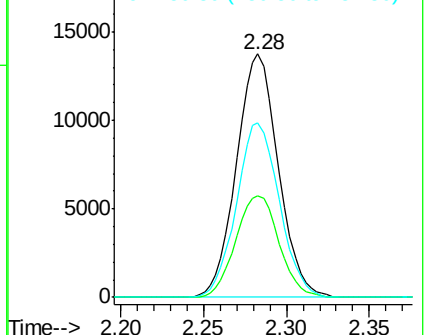
101 100

85 43.2 35.1 52.7

151 73.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.575 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

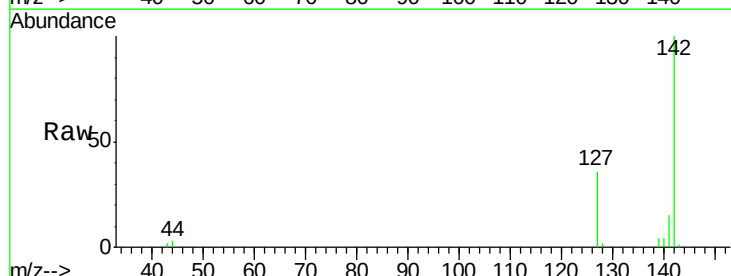
Tgt Ion:142 Resp: 24735

Ion Ratio Lower Upper

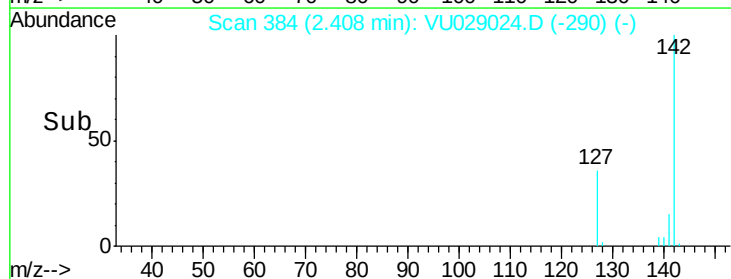
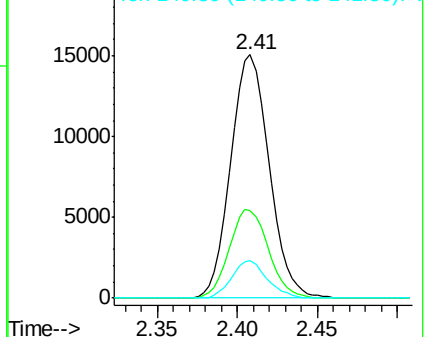
142 100

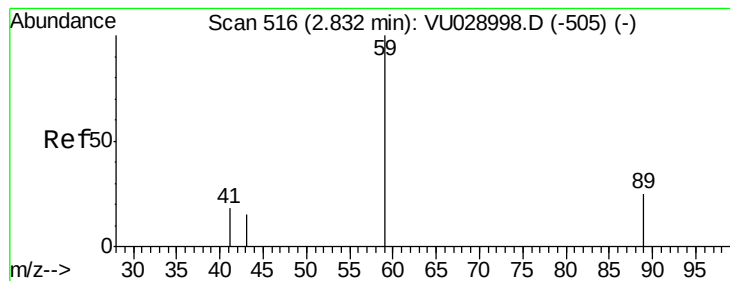
127 36.9 29.8 44.6

141 14.0 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.365 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

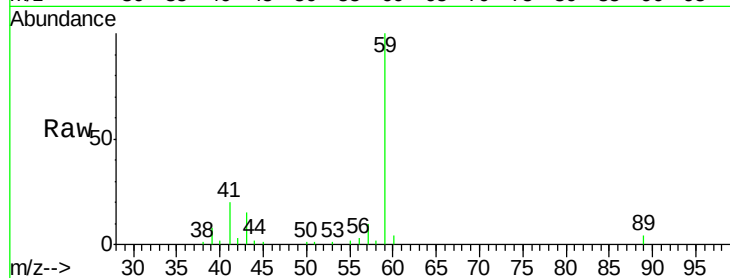
VU0105WBS01

Tot Ion: 59 Resp: 33695

Ion Ratio Lower Upper

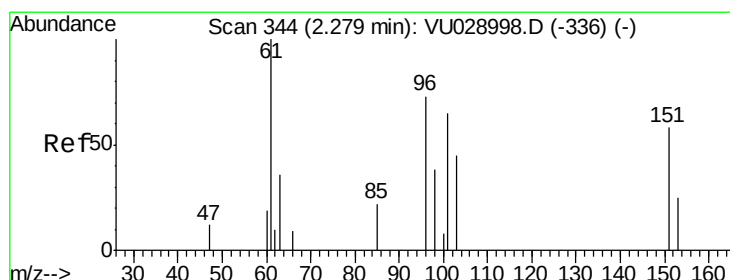
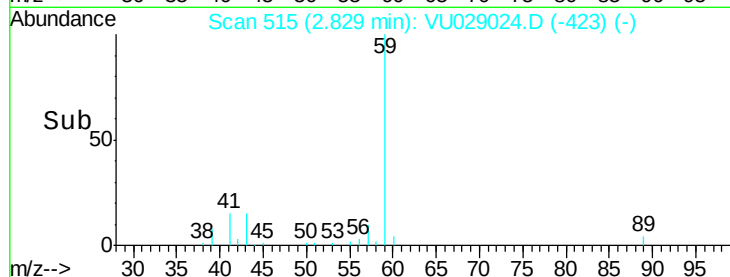
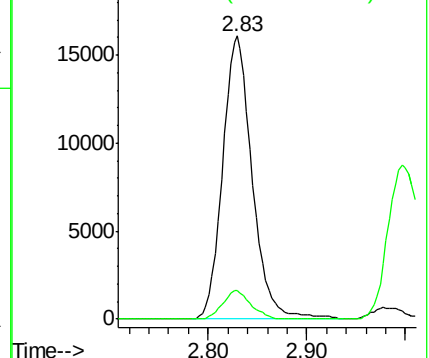
59 100

57 9.6 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 19.184 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

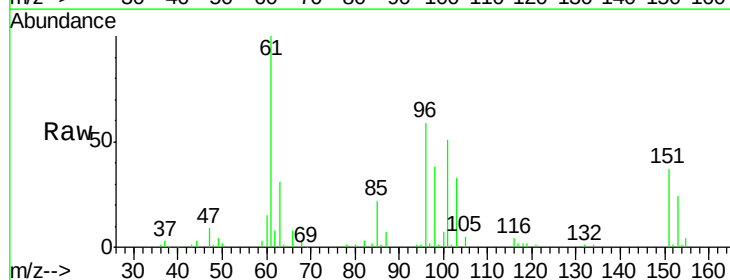
Tgt Ion: 96 Resp: 23875

Ion Ratio Lower Upper

96 100

61 168.6 125.4 188.0

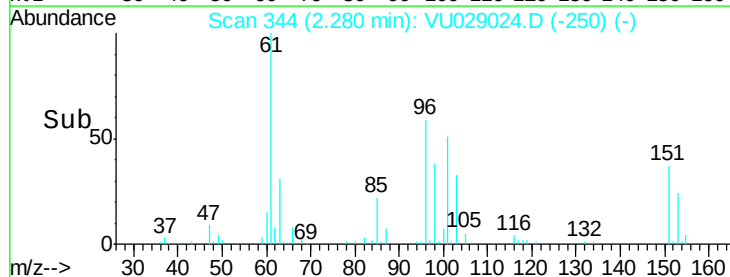
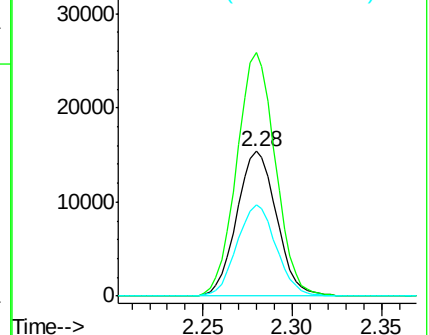
98 63.3 49.7 74.5

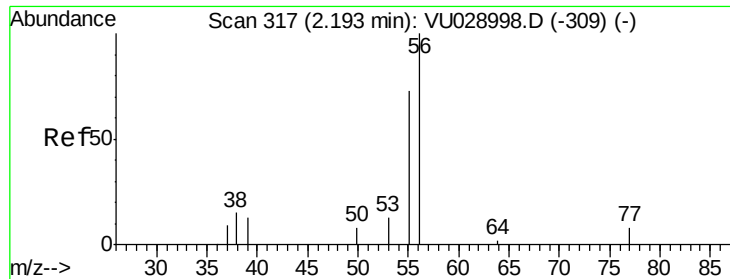


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 86.983 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

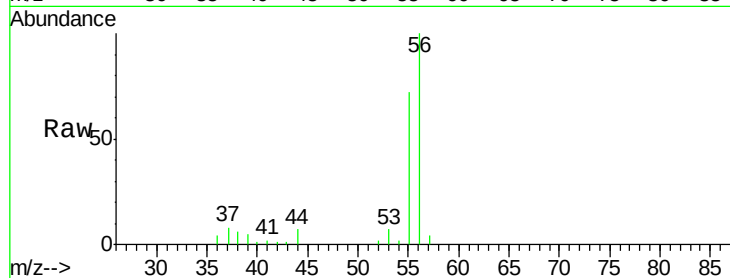
VU0105WBS01

Tot Ion: 56 Resp: 24627

Ion Ratio Lower Upper

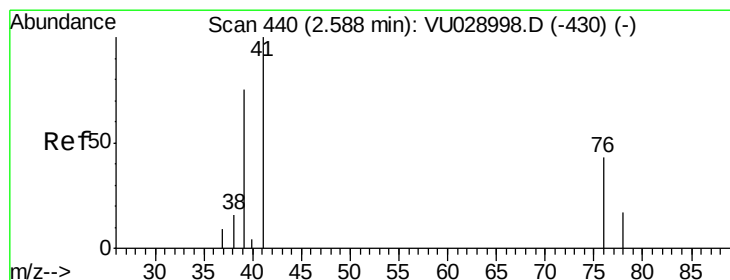
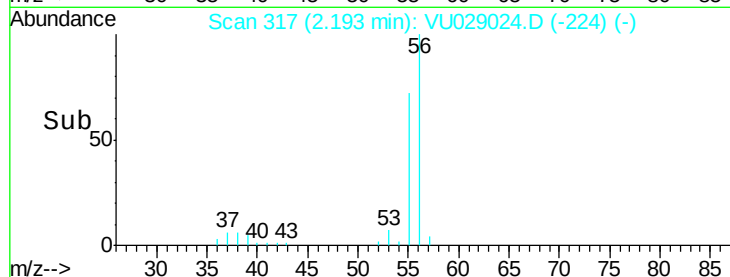
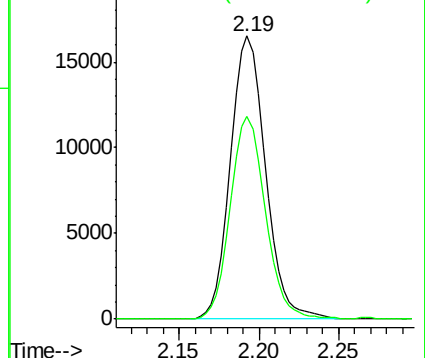
56 100

55 71.7 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.682 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

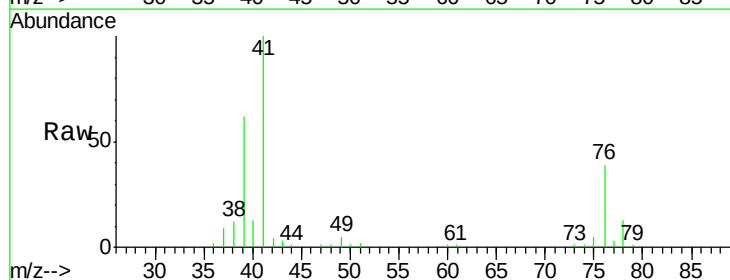
Tgt Ion: 41 Resp: 42660

Ion Ratio Lower Upper

41 100

39 61.6 45.0 67.6

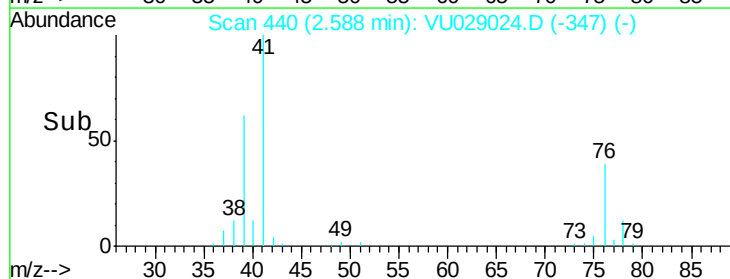
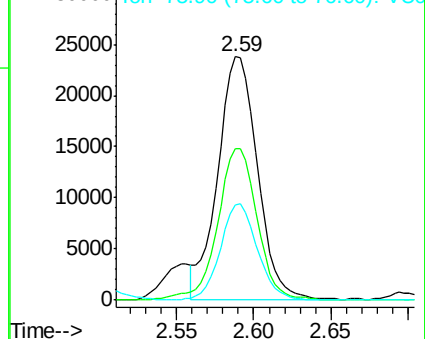
76 36.5 28.1 42.1

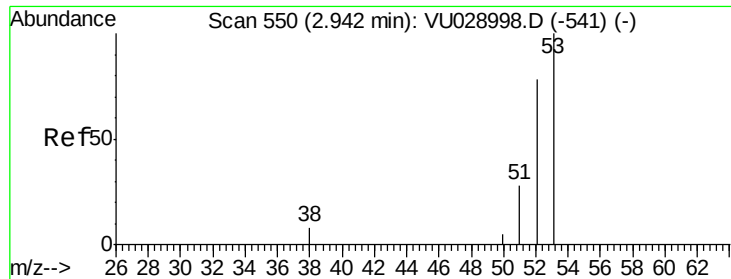


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 98.656 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

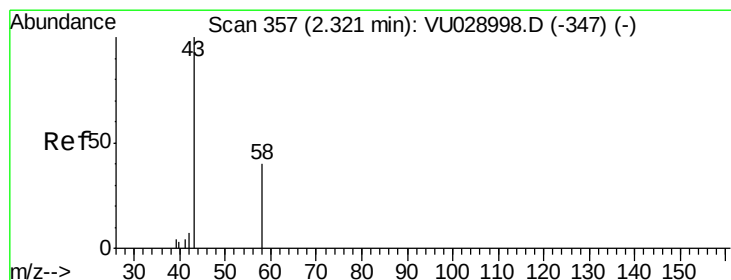
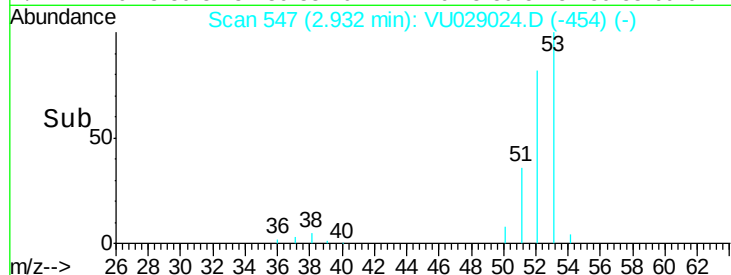
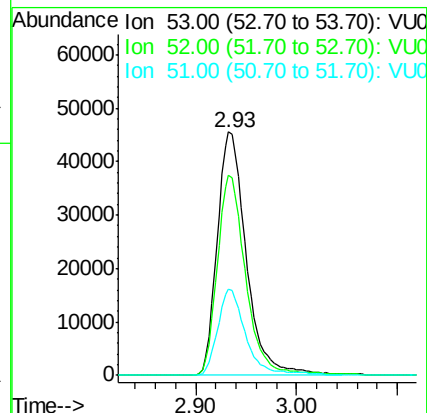
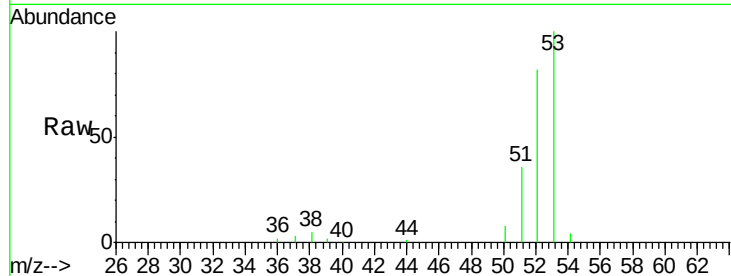
Tot Ion: 53 Resp: 91260

Ion Ratio Lower Upper

53 100

52 79.6 64.8 97.2

51 34.5 27.3 40.9



#16

Acetone

Concen: 96.154 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029024.D

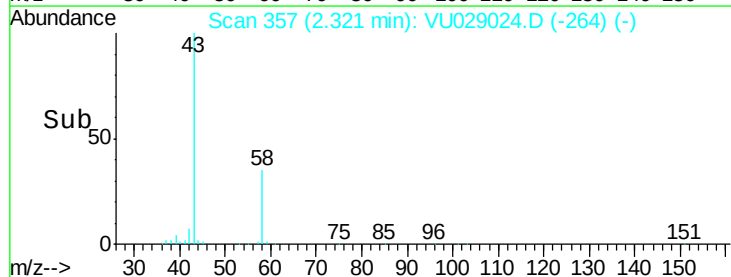
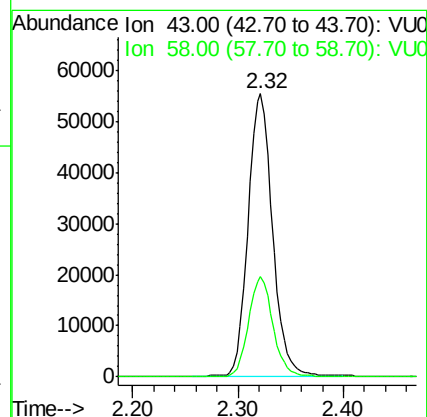
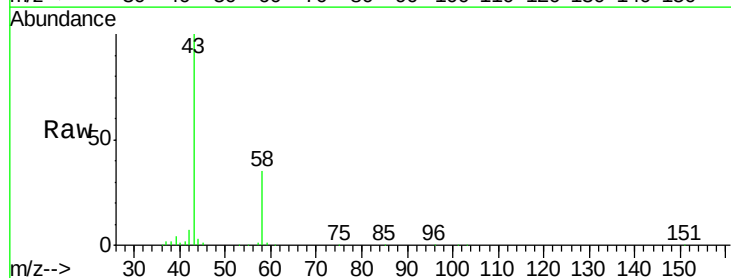
Acq: 04 Jan 2019 13:51

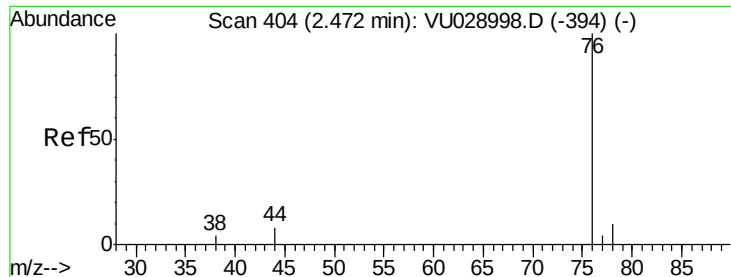
Tgt Ion: 43 Resp: 89852

Ion Ratio Lower Upper

43 100

58 35.3 28.6 42.8





#17

Carbon Disulfide

Concen: 19.077 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

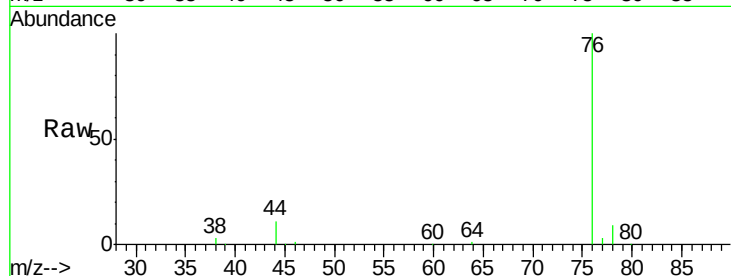
VU0105WBS01

Tot Ion: 76 Resp: 80037

Ion Ratio Lower Upper

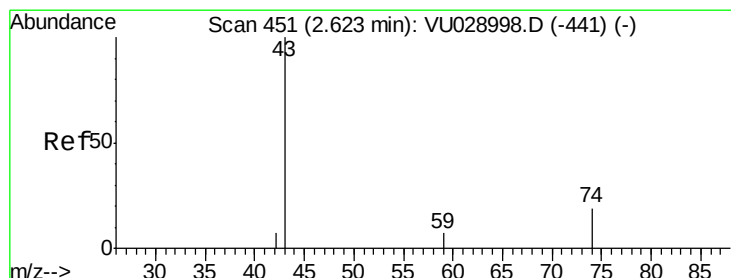
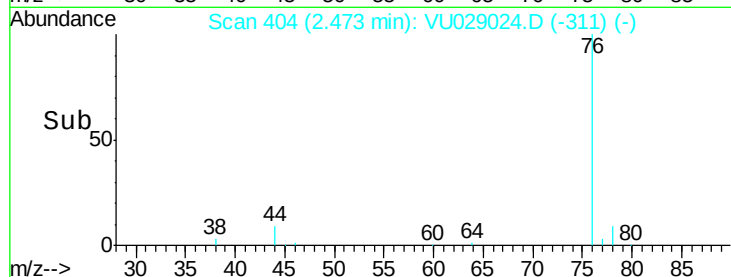
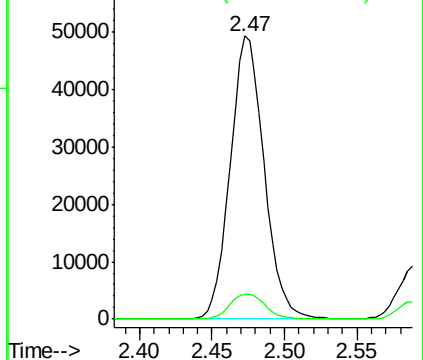
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.939 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029024.D

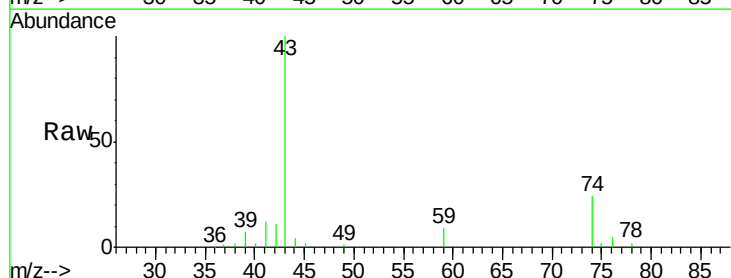
Acq: 04 Jan 2019 13:51

Tgt Ion: 43 Resp: 43322

Ion Ratio Lower Upper

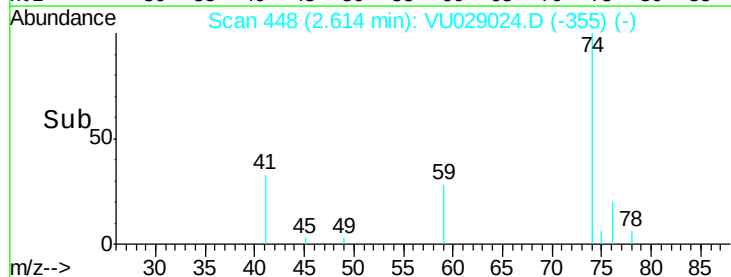
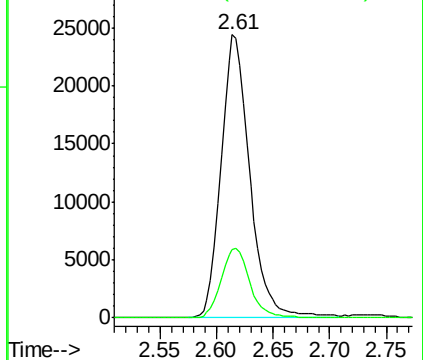
43 100

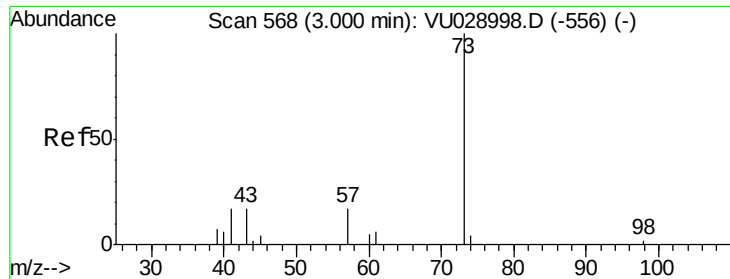
74 24.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

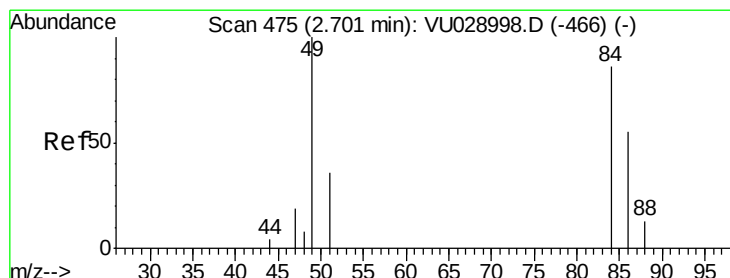
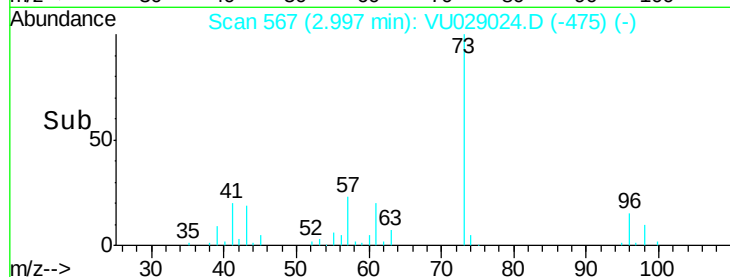
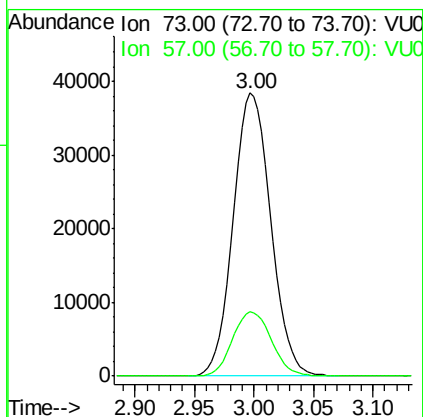
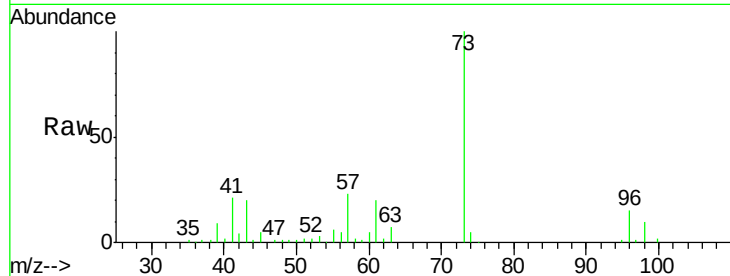




#19
Methyl tert-butyl Ether
Concen: 19.222 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

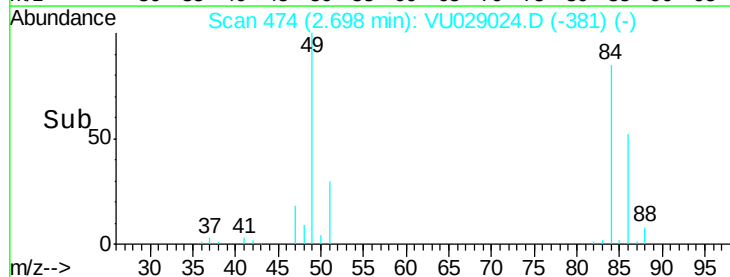
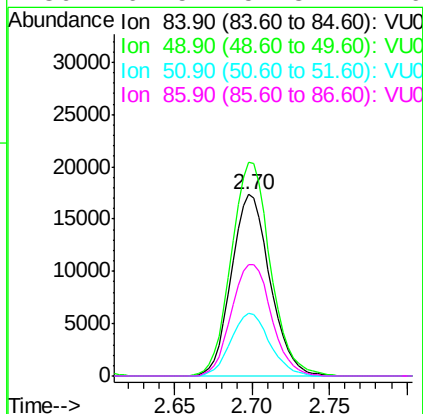
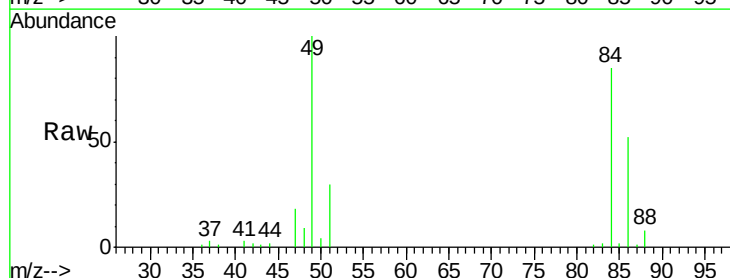
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

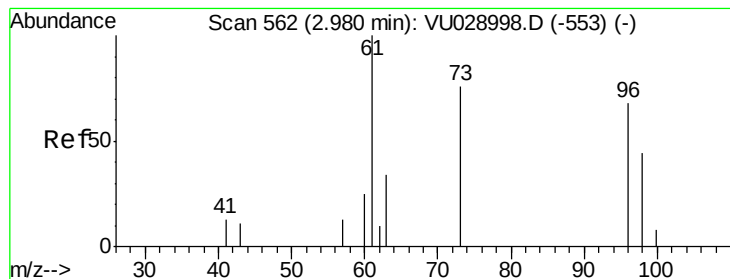
Tot Ion: 73 Resp: 84101
Ion Ratio Lower Upper
73 100
57 22.8 18.6 28.0



#20
Methylene Chloride
Concen: 18.955 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 84 Resp: 30073
Ion Ratio Lower Upper
84 100
49 117.5 91.9 137.9
51 34.8 29.2 43.8
86 61.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.649 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

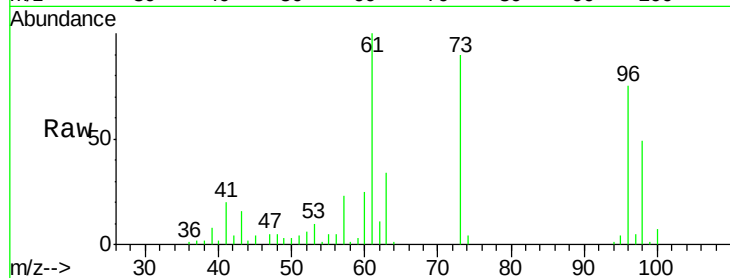
Tot Ion: 96 Resp: 26964

Ion Ratio Lower Upper

96 100

61 134.1 107.7 161.5

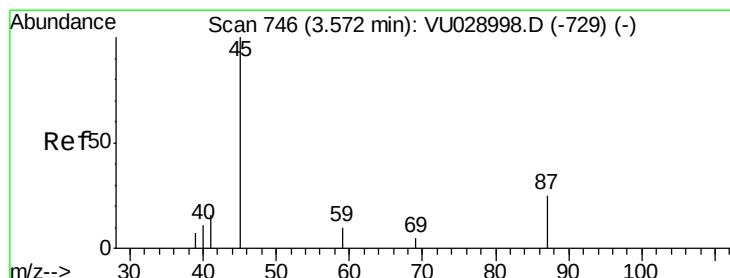
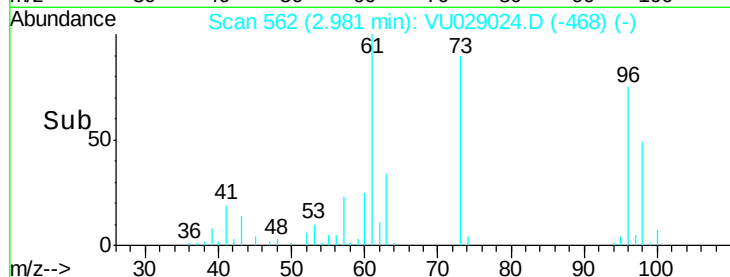
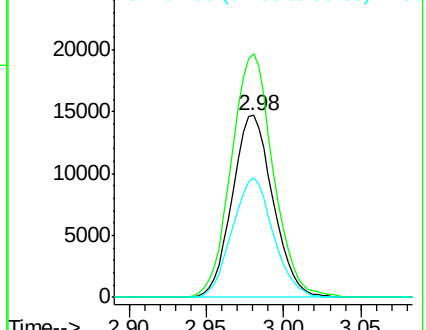
98 65.9 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.381 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion: 45 Resp: 91978

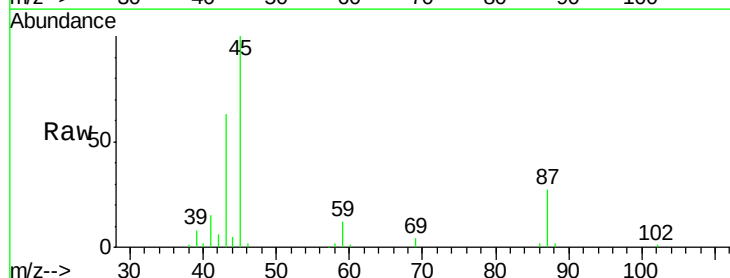
Ion Ratio Lower Upper

45 100

43 61.4 44.7 67.1

87 26.6 22.2 33.2

59 12.4 9.8 14.8

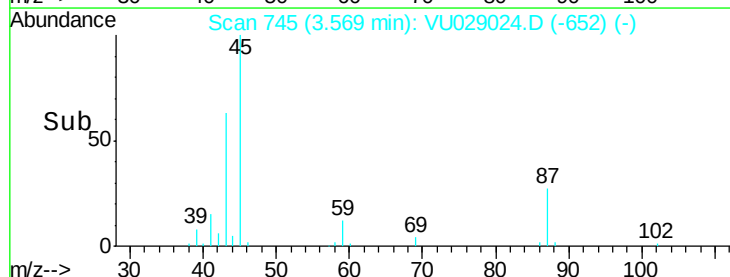
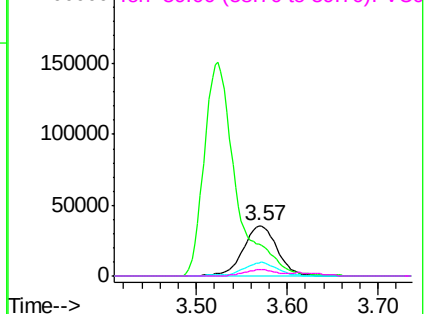


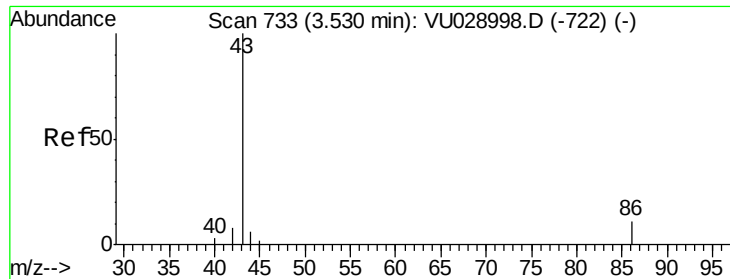
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 100.176 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

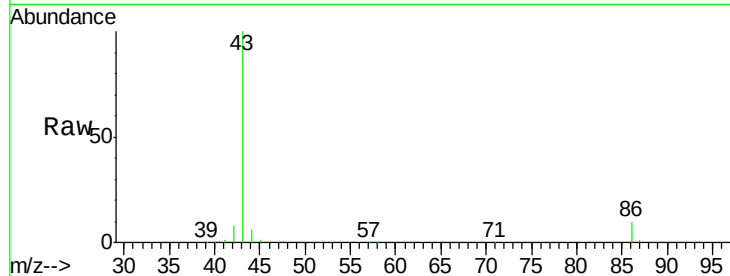
VU0105WBS01

Tot Ion: 43 Resp: 369589

Ion Ratio Lower Upper

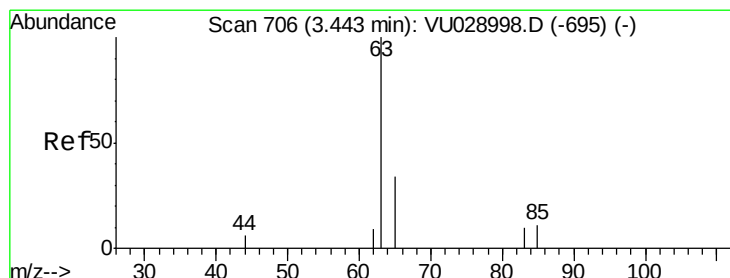
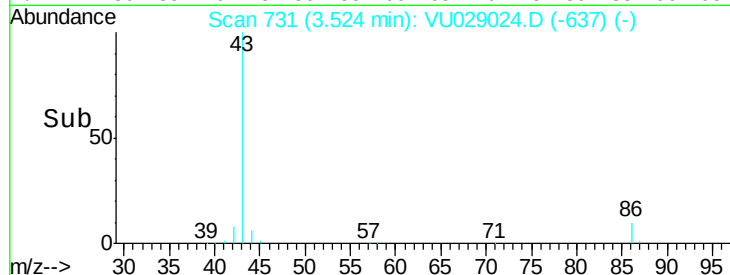
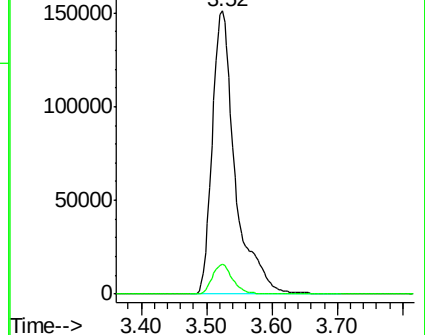
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU029024.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029024.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 19.820 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

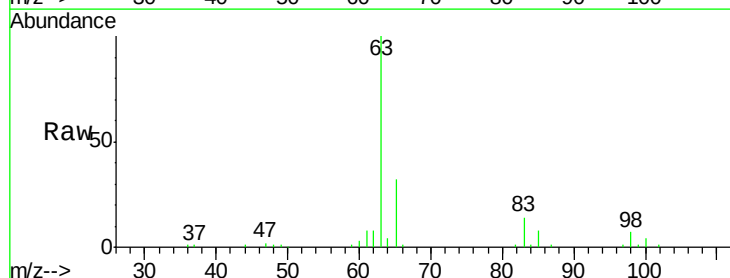
Tgt Ion: 63 Resp: 51635

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

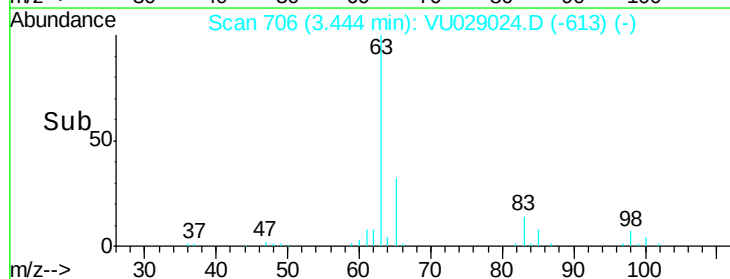
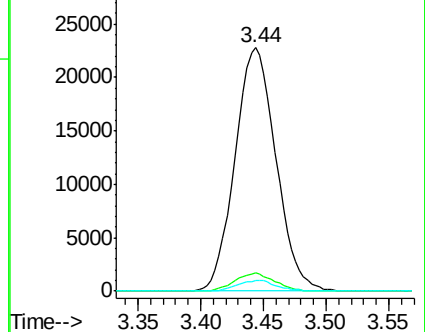
100 4.3 2.0 5.8

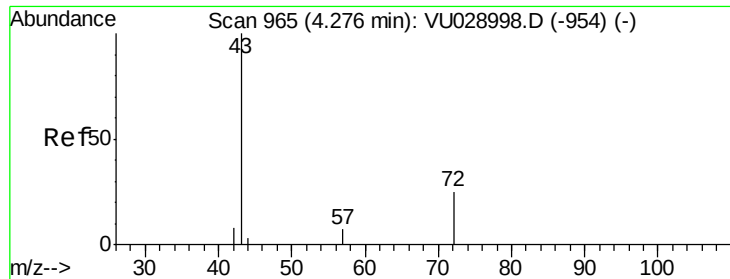


Abundance Ion 62.90 (62.60 to 63.60): VU029024.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029024.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029024.D (-613) (-)





#25

2-Butanone

Concen: 98.626 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

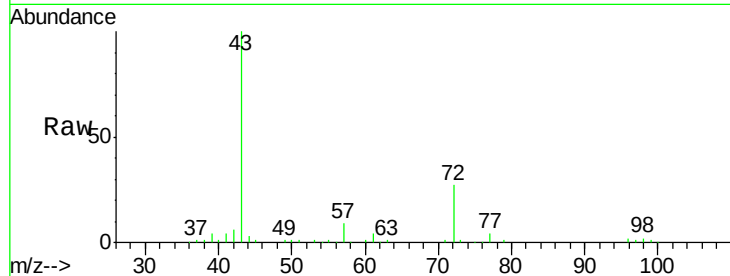
VU0105WBS01

Tot Ion: 43 Resp: 124478

Ion Ratio Lower Upper

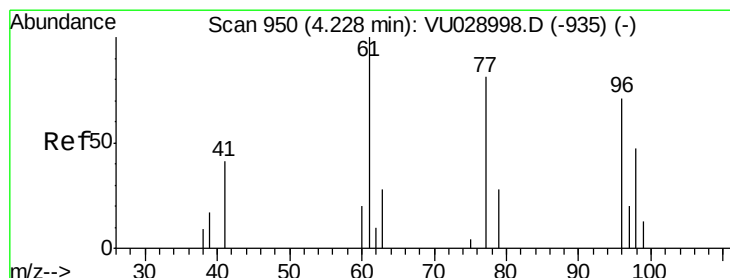
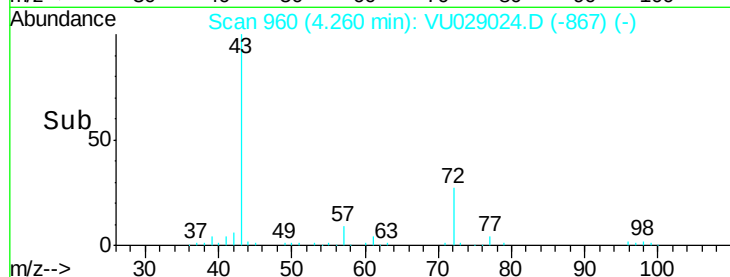
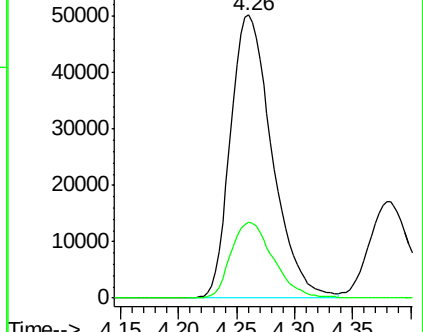
43 100

72 26.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.117 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029024.D

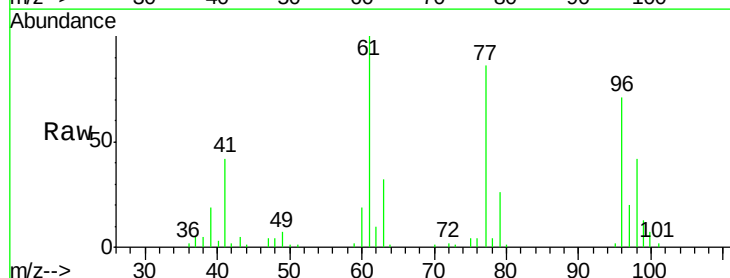
Acq: 04 Jan 2019 13:51

Tgt Ion: 77 Resp: 42347

Ion Ratio Lower Upper

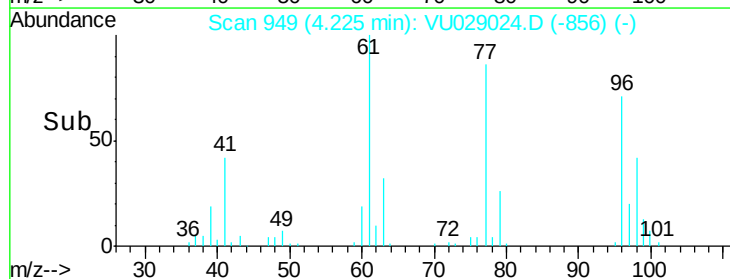
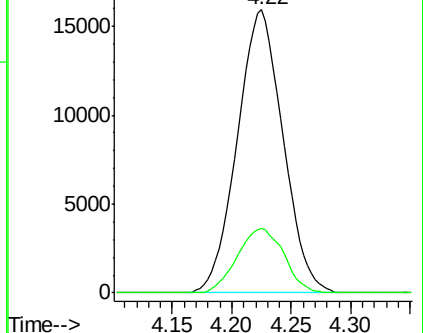
77 100

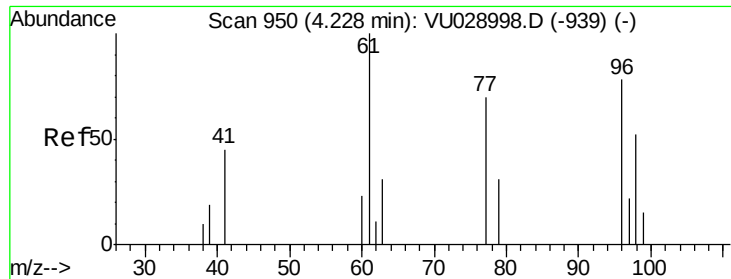
97 23.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



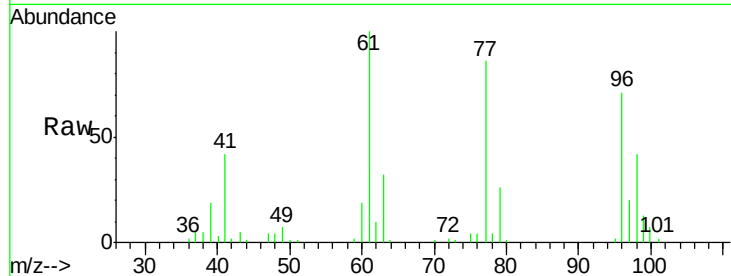


#27

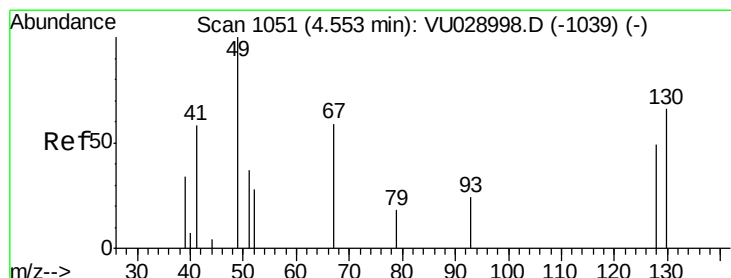
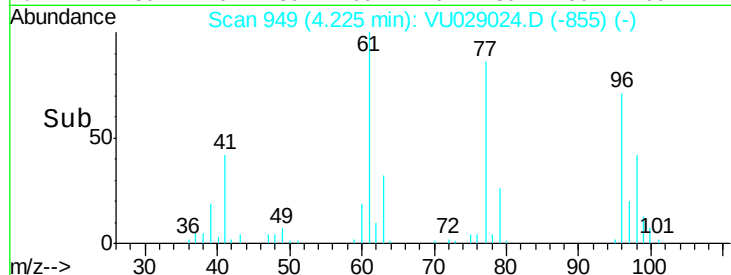
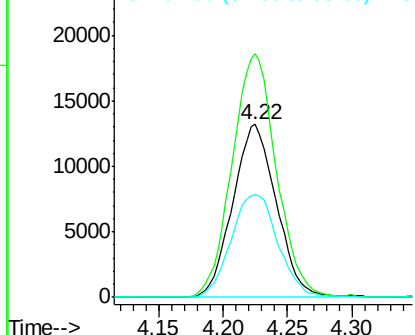
cis-1,2-Dichloroethene
Concen: 19.609 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 96 Resp: 31009
Ion Ratio Lower Upper
96 100
61 143.2 0.0 285.6
98 64.1 0.0 130.2



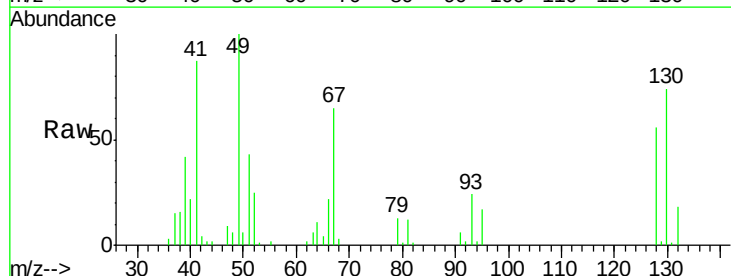
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



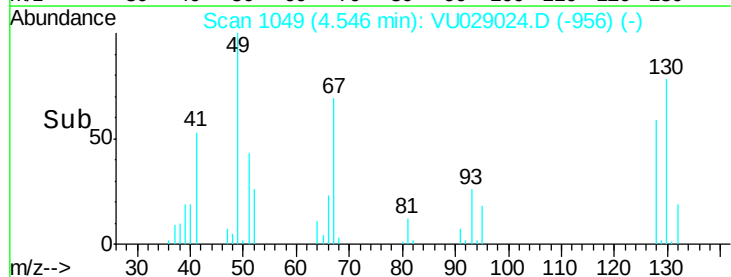
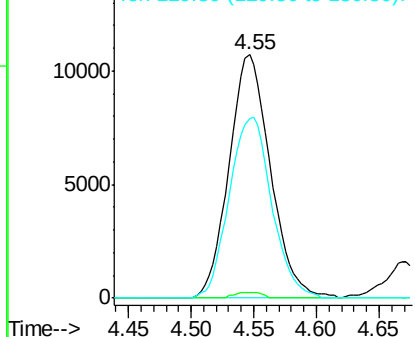
#28

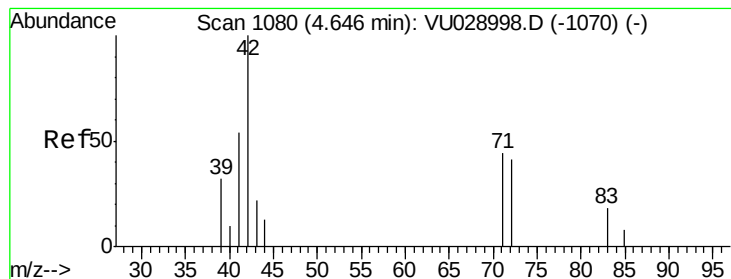
Bromochloromethane
Concen: 22.059 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 49 Resp: 24608
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.4
130 76.1 62.9 94.3



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





#29

Tetrahydrofuran

Concen: 98.029 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

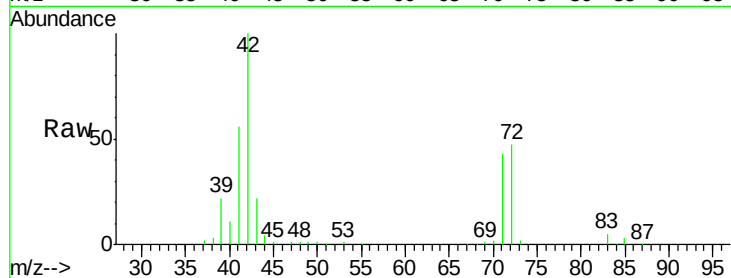
Tot Ion: 42 Resp: 75041

Ion Ratio Lower Upper

42 100

72 46.9 38.3 57.5

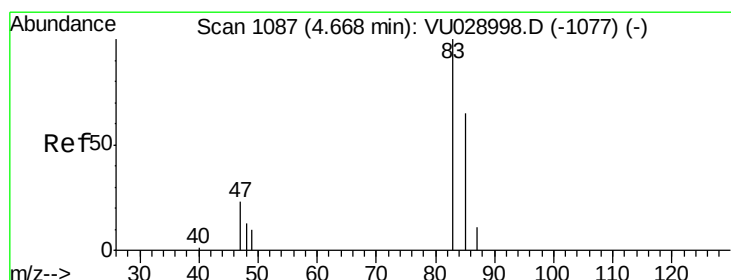
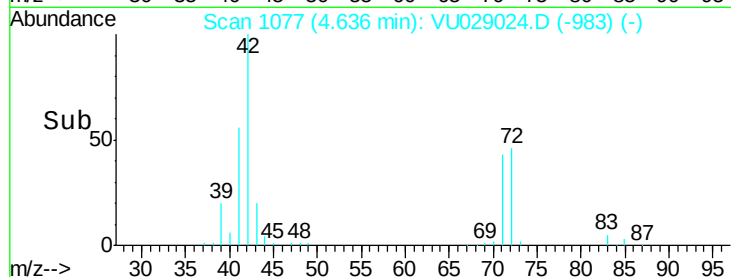
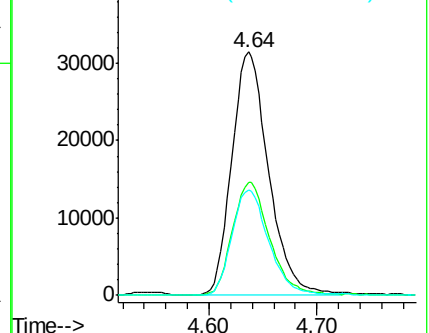
71 43.1 36.1 54.1



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.328 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029024.D

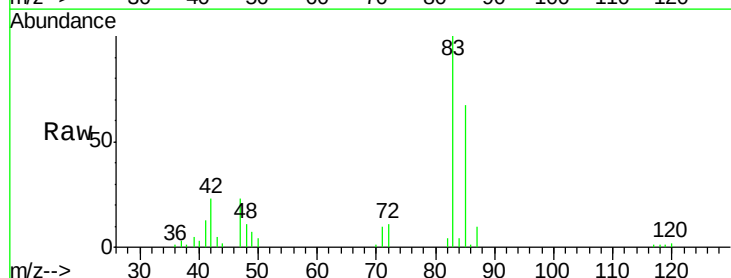
Acq: 04 Jan 2019 13:51

Tgt Ion: 83 Resp: 50443

Ion Ratio Lower Upper

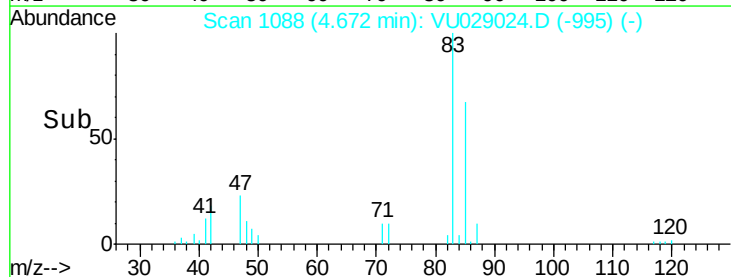
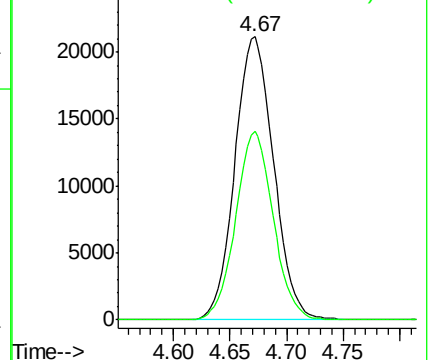
83 100

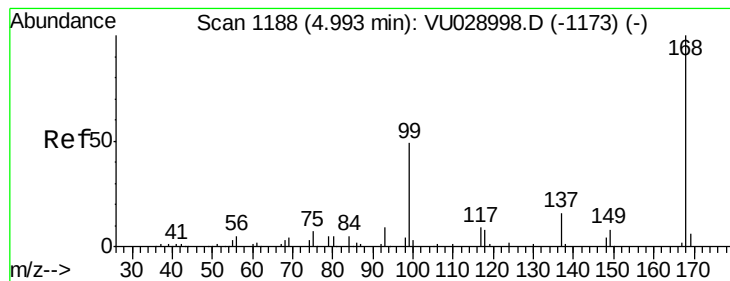
85 66.6 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.936 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

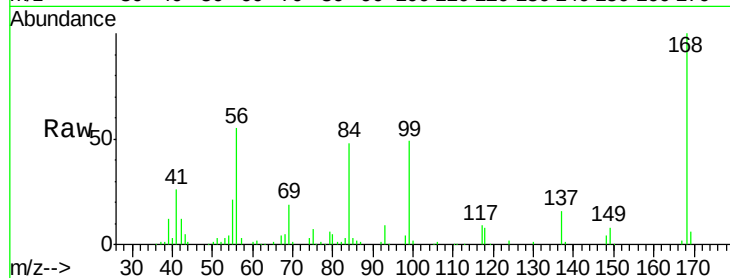
Tot Ion: 56 Resp: 50688

Ion Ratio Lower Upper

56 100

69 34.4 26.7 40.1

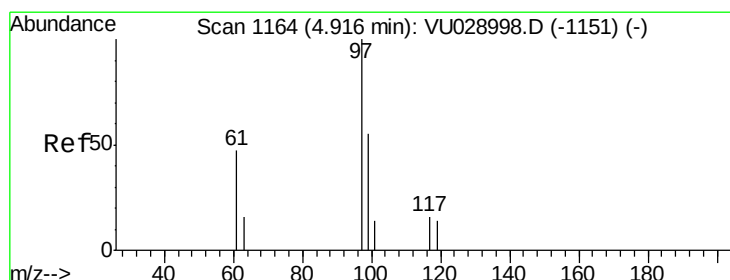
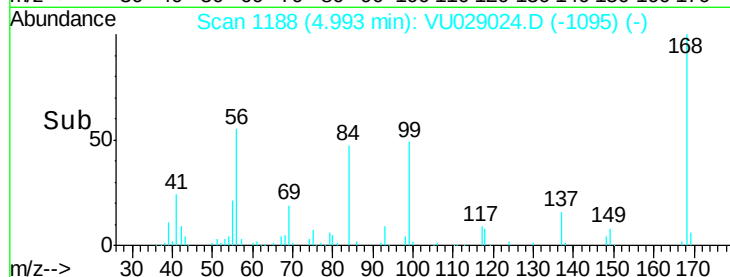
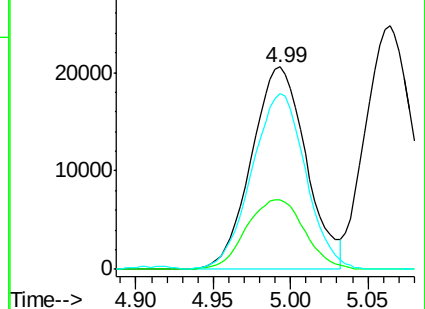
84 86.9 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.618 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

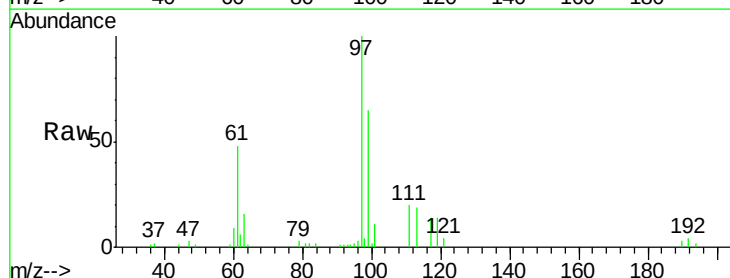
Tgt Ion: 97 Resp: 40224

Ion Ratio Lower Upper

97 100

99 65.5 51.0 76.4

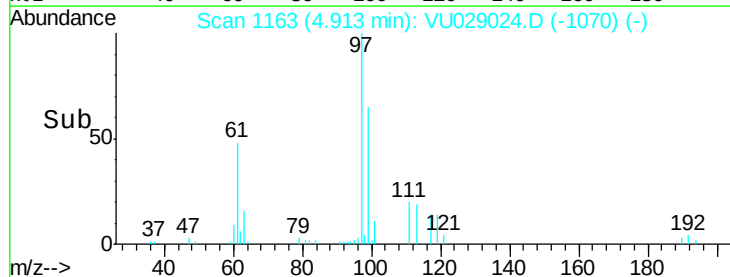
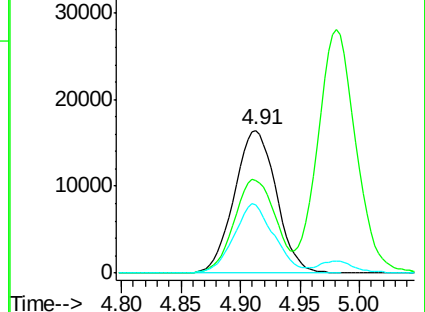
61 46.1 34.4 51.6

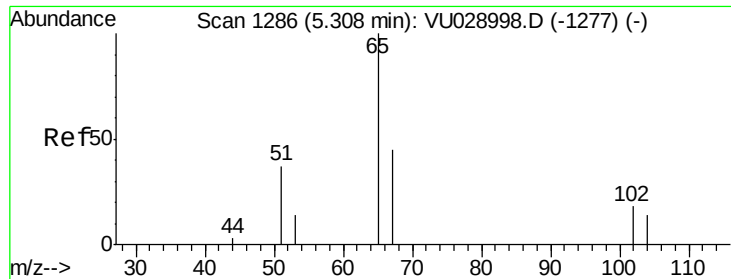


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

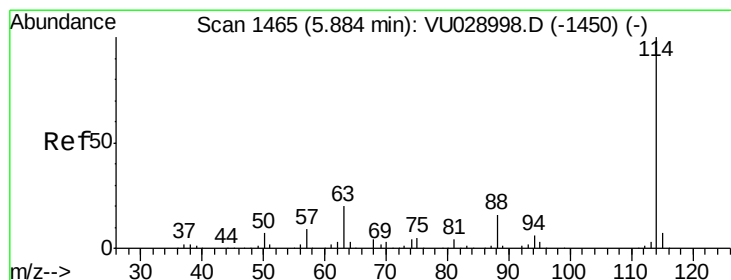
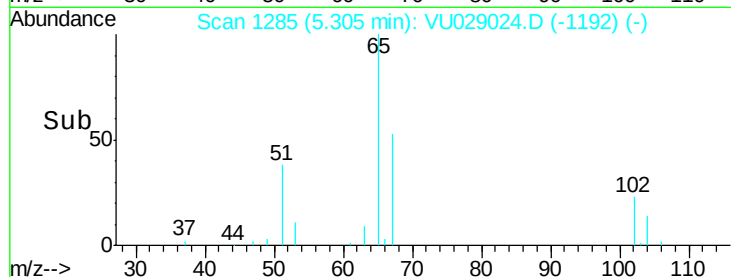
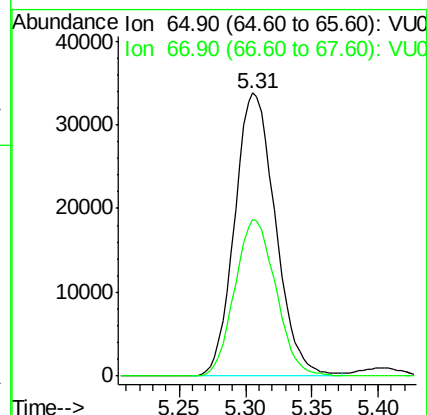
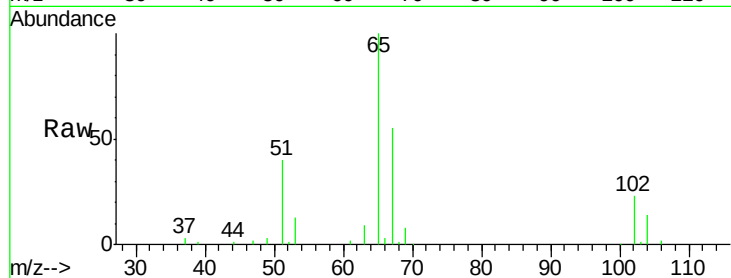




#33
 1,2-Dichloroethane-d4
 Concen: 48.692 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

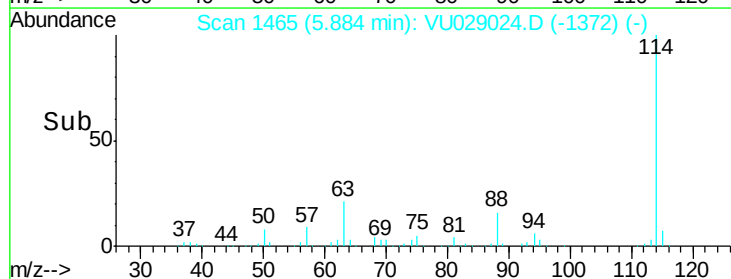
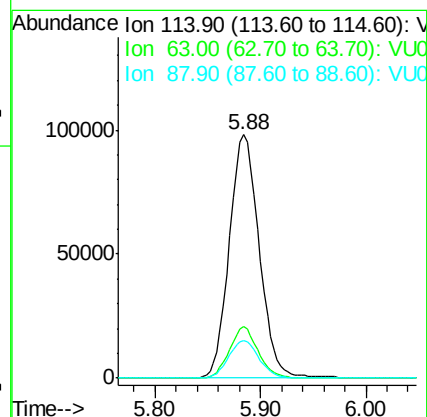
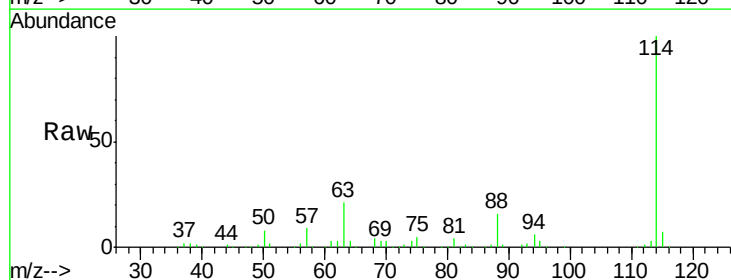
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

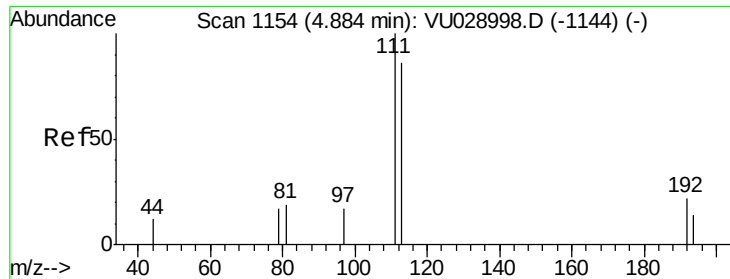
Tot Ion: 65 Resp: 72228
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 114 Resp: 193433
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 15.6 0.0 30.4

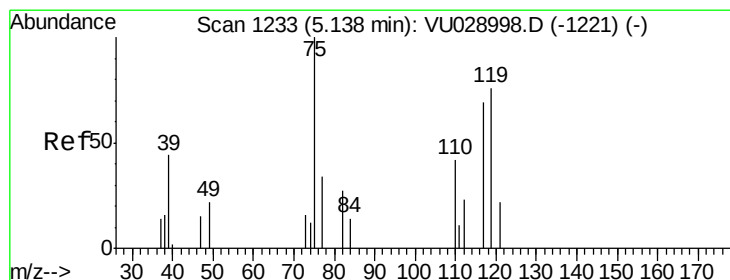
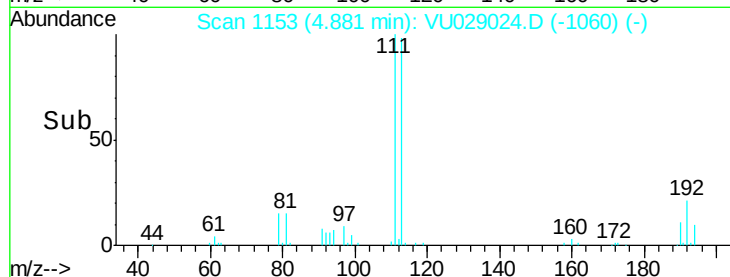
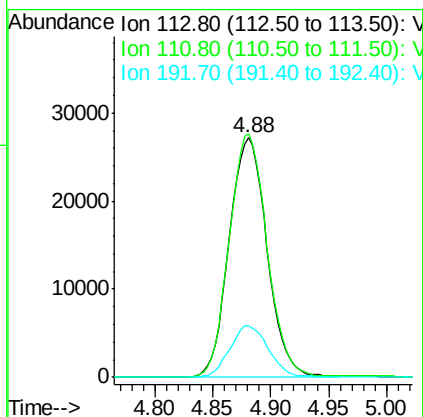
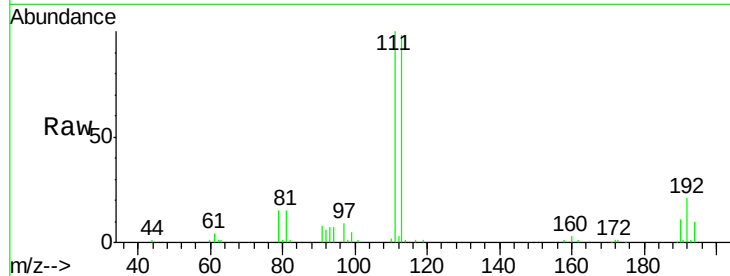




#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

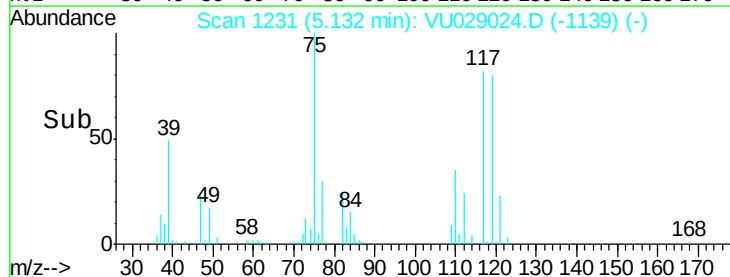
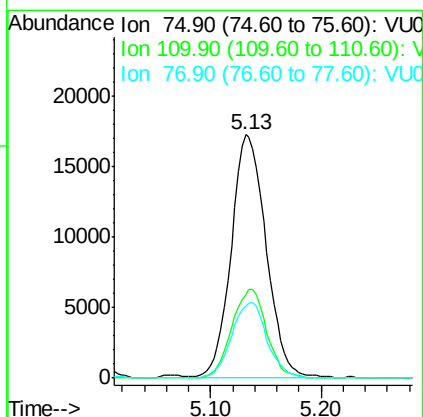
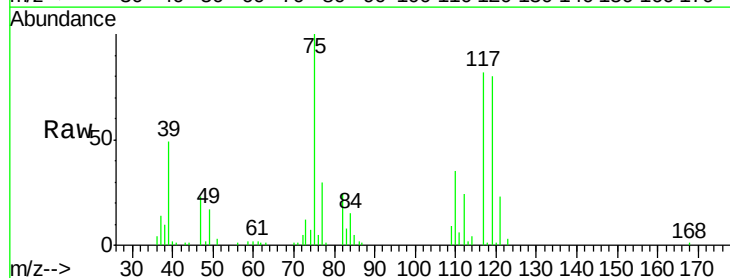
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

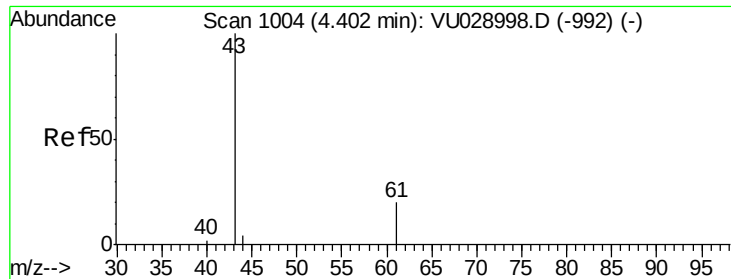
Tot Ion:113 Resp: 61583
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.2
 192 21.8 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 19.638 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 75 Resp: 37969
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.4 55.4
 77 31.3 25.1 37.7

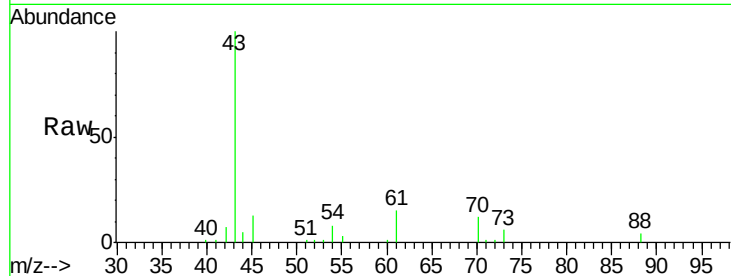




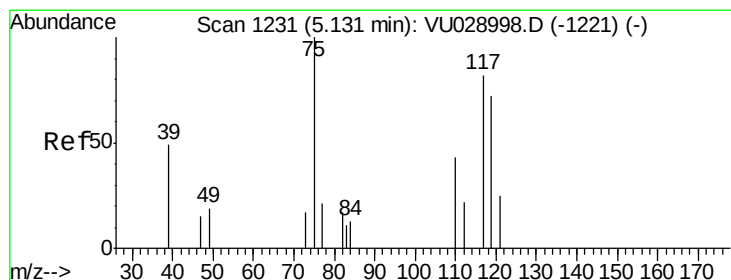
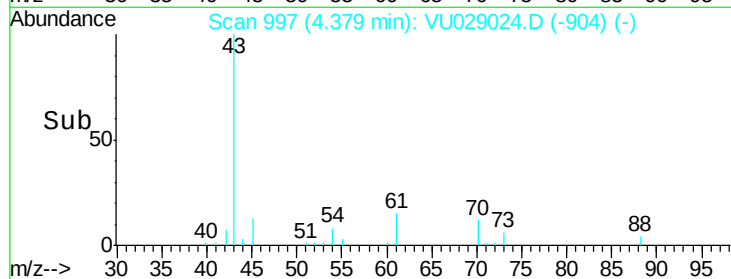
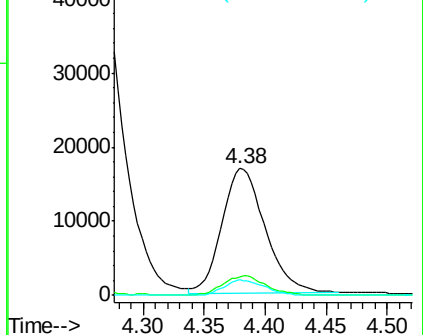
#37
Ethyl Acetate
Concen: 19.410 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 43 Resp: 41193
Ion Ratio Lower Upper
43 100
61 16.0 12.6 18.8
70 11.6 9.3 13.9

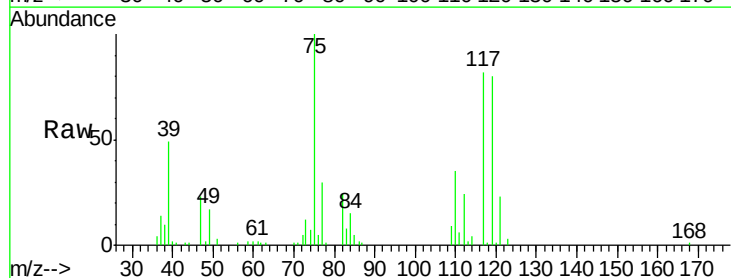


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

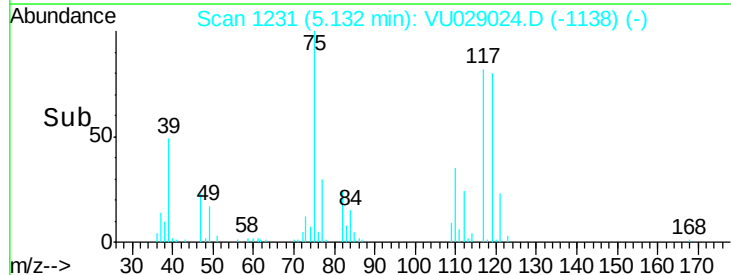
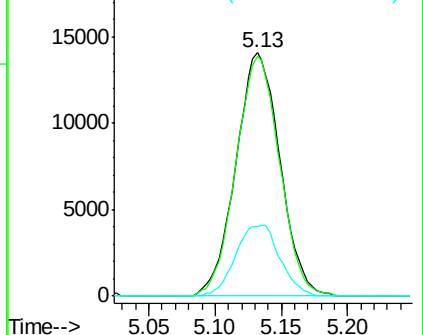


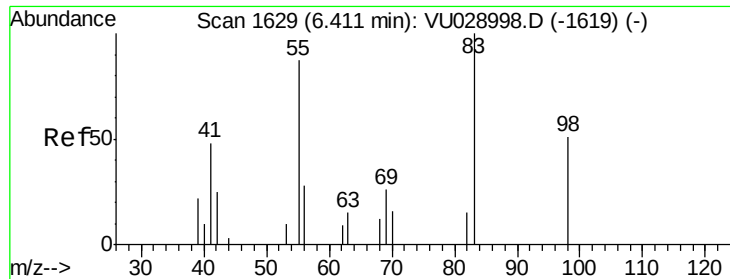
#38
Carbon Tetrachloride
Concen: 20.231 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 117 Resp: 32624
Ion Ratio Lower Upper
117 100
119 98.6 74.6 111.8
121 28.5 25.0 37.6



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

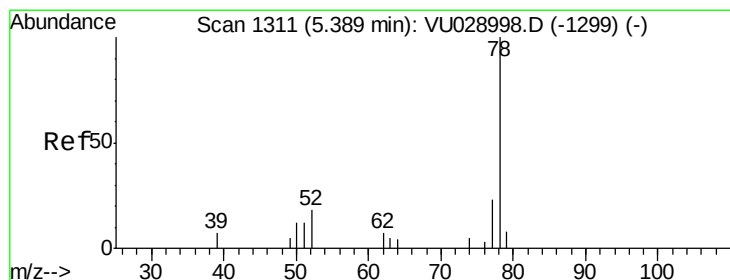
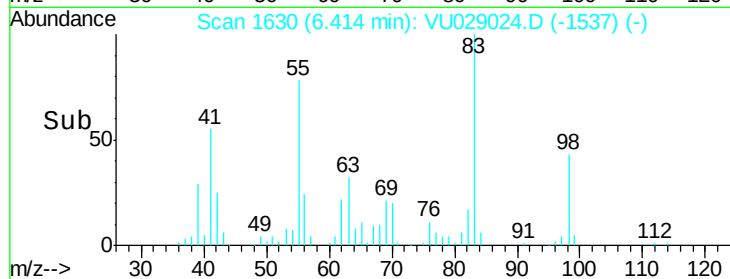
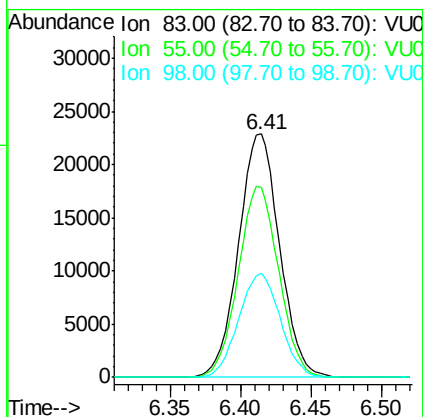
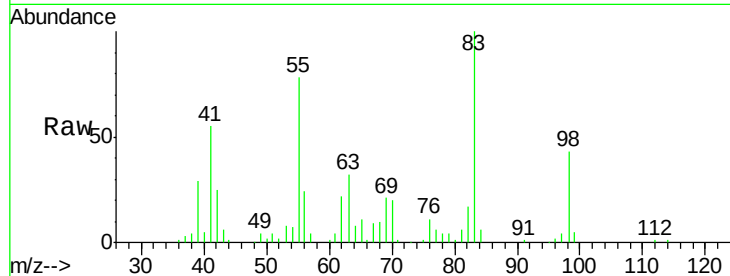




#39
Methylvlcyclohexane
Concen: 19.605 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

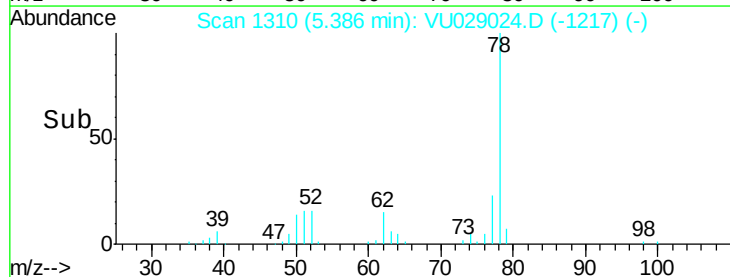
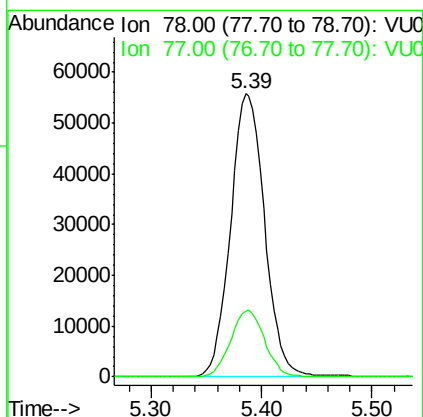
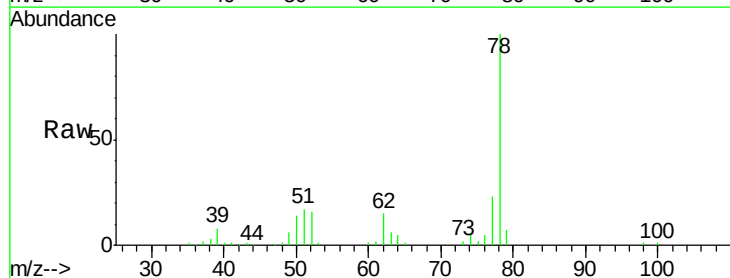
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

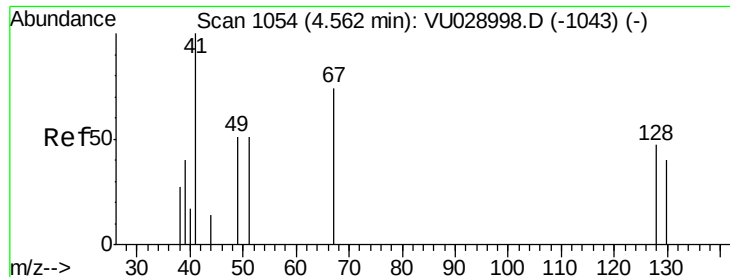
Tot Ion: 83 Resp: 46599
Ion Ratio Lower Upper
83 100
55 78.0 62.4 93.6
98 42.8 36.2 54.2



#40
Benzene
Concen: 19.790 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 78 Resp: 119352
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

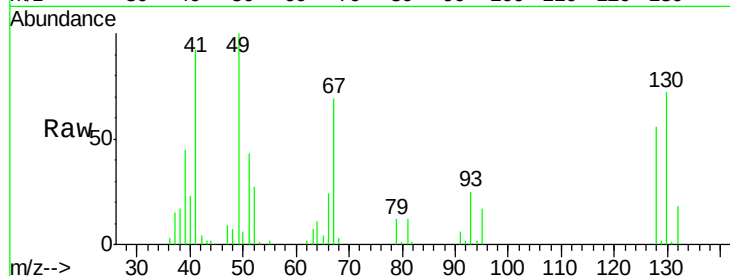




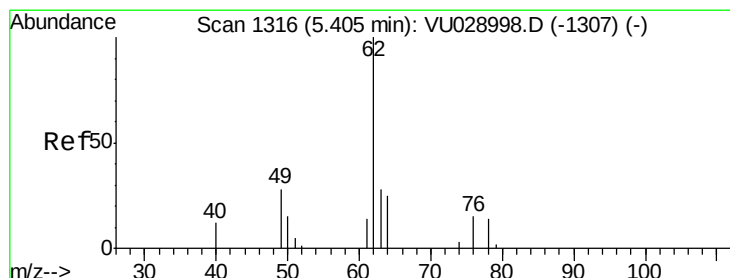
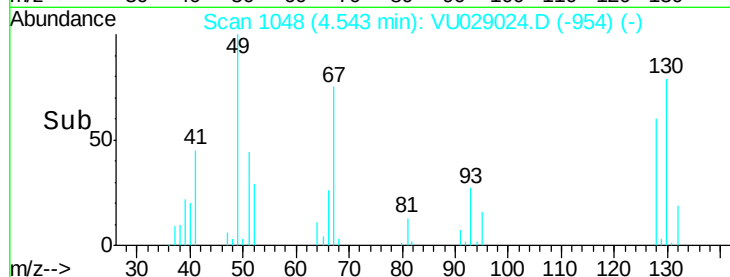
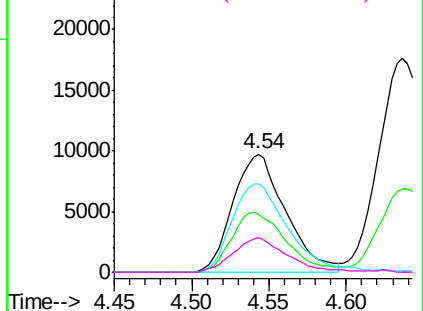
#41
Methacrylonitrile
Concen: 20.229 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion:	41	Resp:	22981
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.3	63.5
67	79.9	64.4	96.6
52	30.1	23.9	35.9

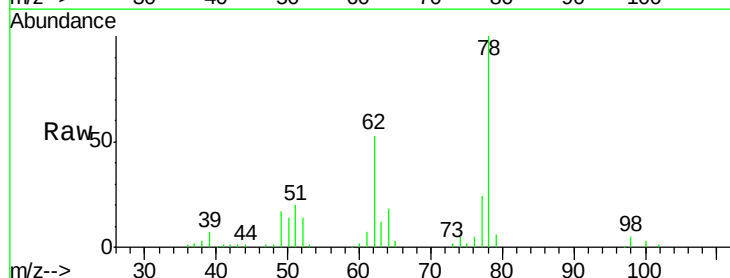


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

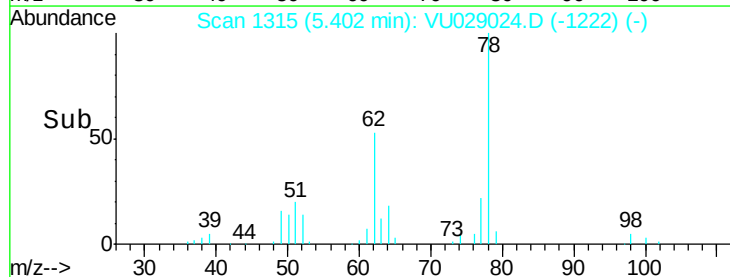
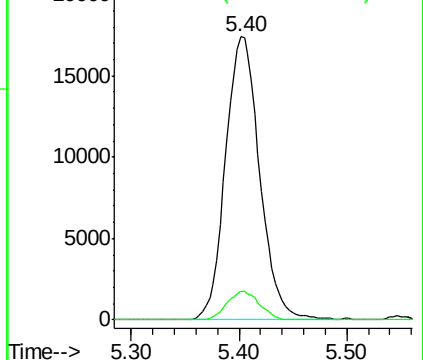


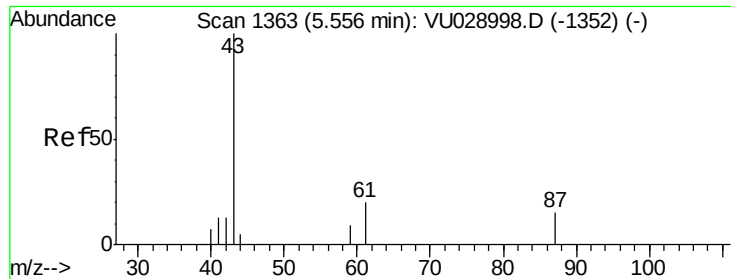
#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:	62	Resp:	38412
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 20.541 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

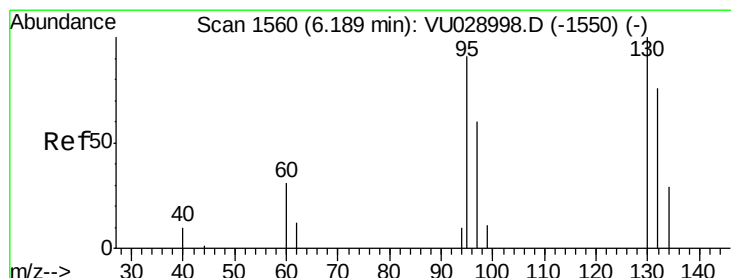
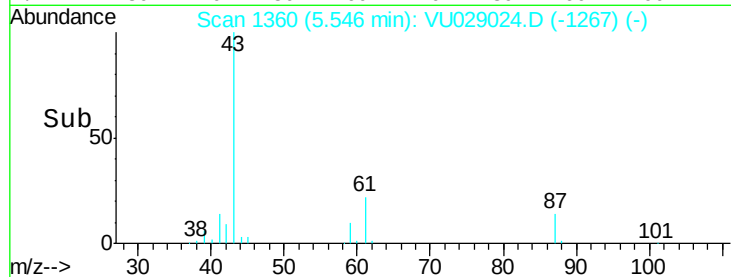
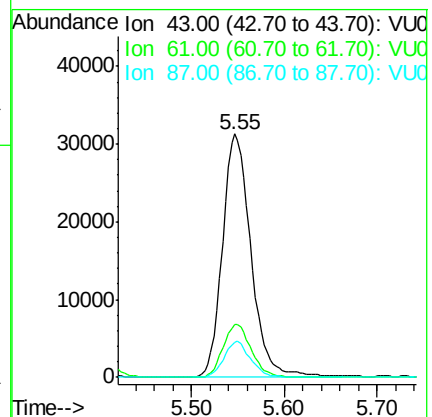
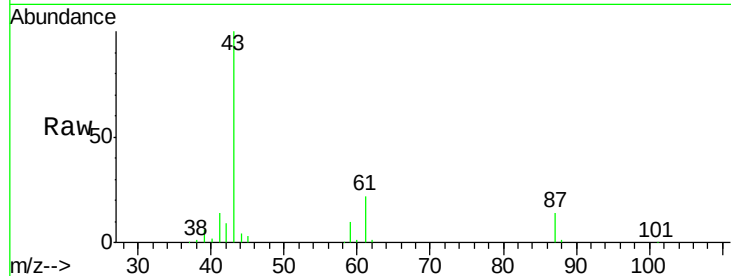
Tot Ion: 43 Resp: 66872

Ion Ratio Lower Upper

43 100

61 21.4 17.8 26.6

87 13.7 11.3 16.9



#44

Trichloroethene

Concen: 19.257 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029024.D

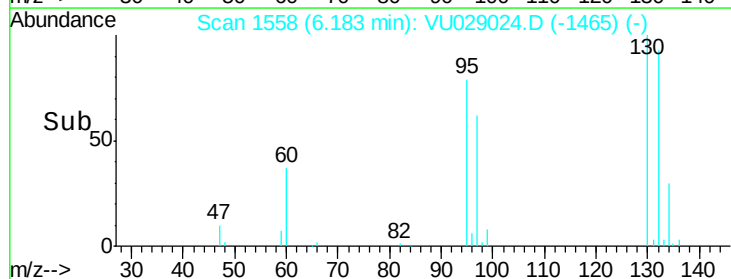
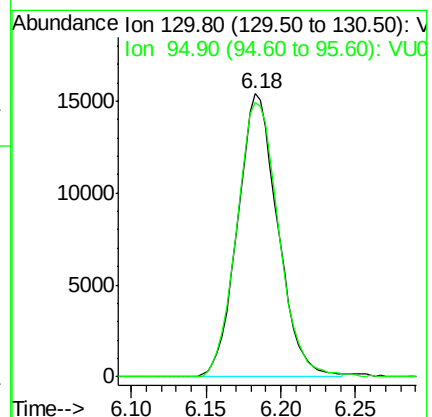
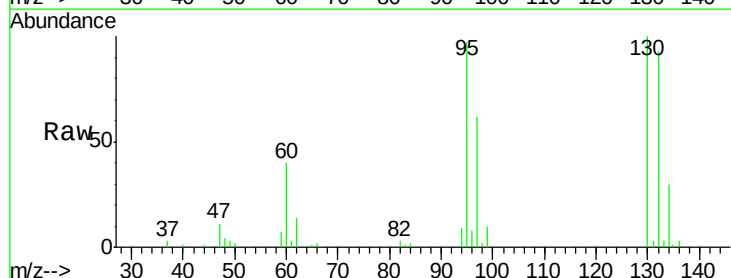
Acq: 04 Jan 2019 13:51

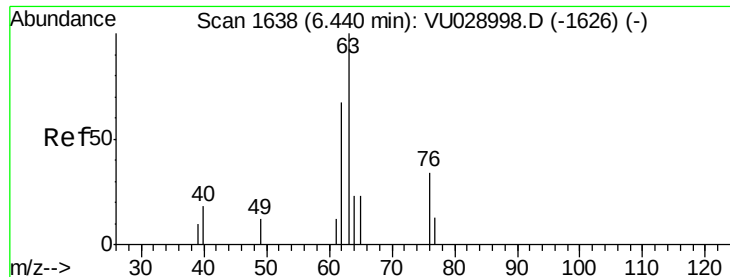
Tgt Ion: 130 Resp: 28776

Ion Ratio Lower Upper

130 100

95 97.2 0.0 205.0





#45

1,2-Dichloropropane

Concen: 20.221 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

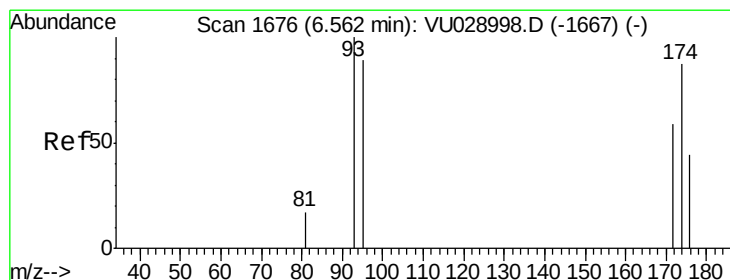
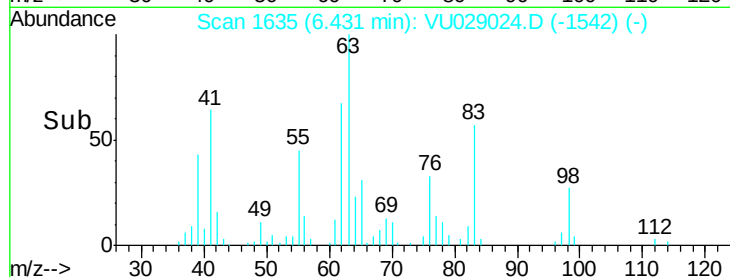
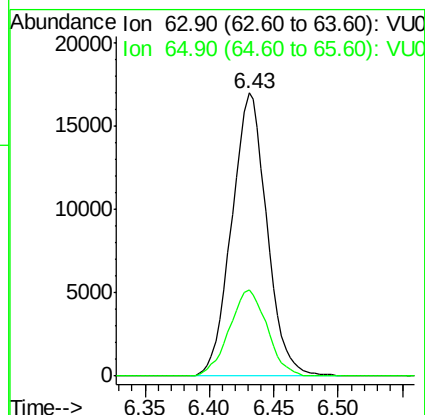
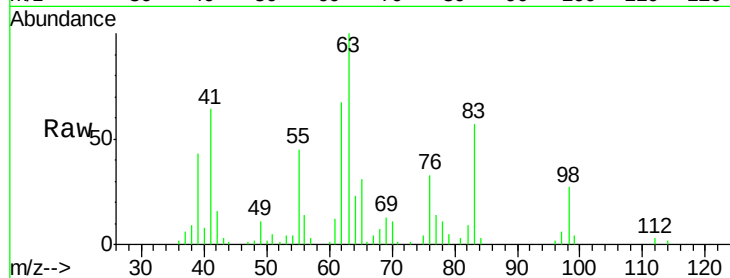
VU0105WBS01

Tot Ion: 63 Resp: 32205

Ion Ratio Lower Upper

63 100

65 30.5 25.1 37.7



#46

Dibromomethane

Concen: 20.270 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

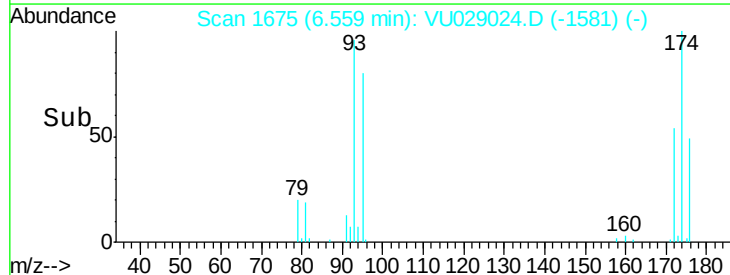
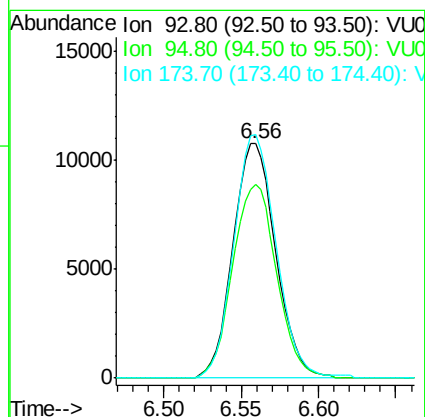
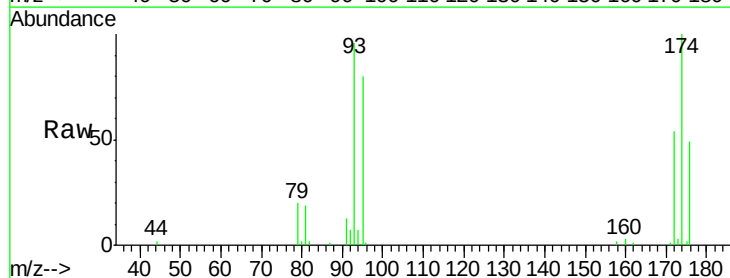
Tgt Ion: 93 Resp: 20637

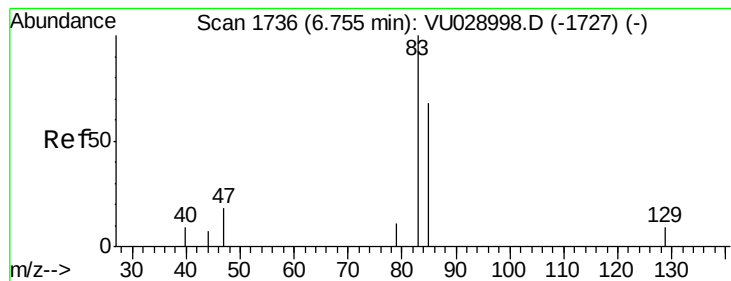
Ion Ratio Lower Upper

93 100

95 85.0 67.2 100.8

174 102.7 82.6 123.8





#47

Bromodichloromethane

Concen: 20.227 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

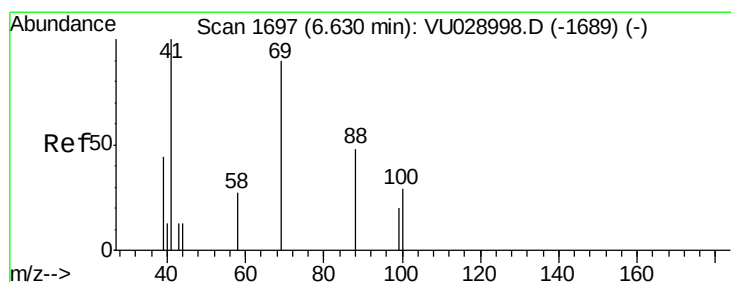
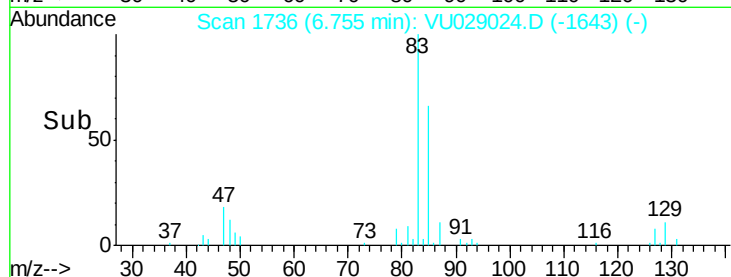
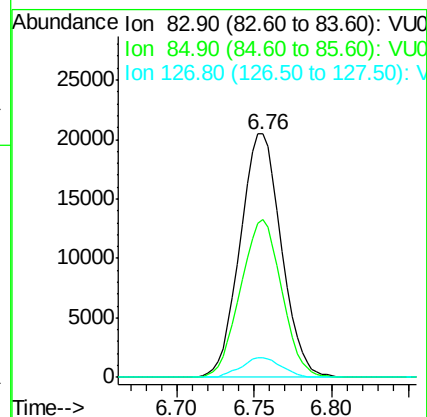
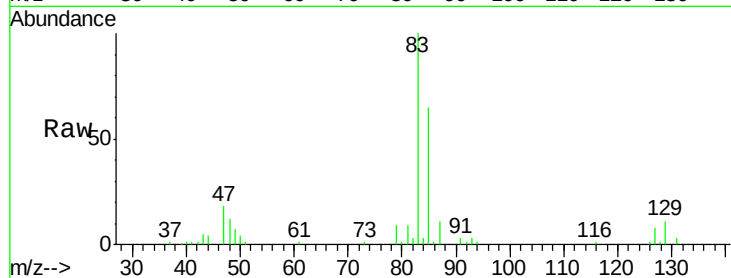
Tot Ion: 83 Resp: 37917

Ion Ratio Lower Upper

83 100

85 64.7 51.4 77.2

127 8.0 7.0 10.4



#48

Methyl methacrylate

Concen: 20.717 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

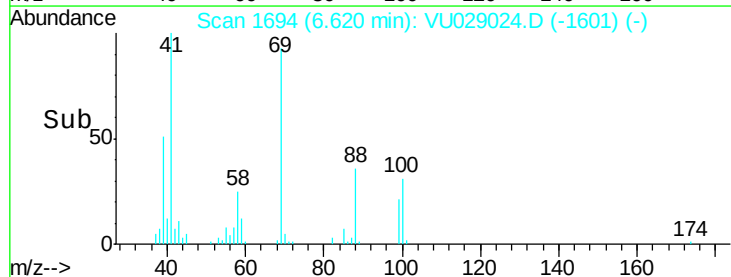
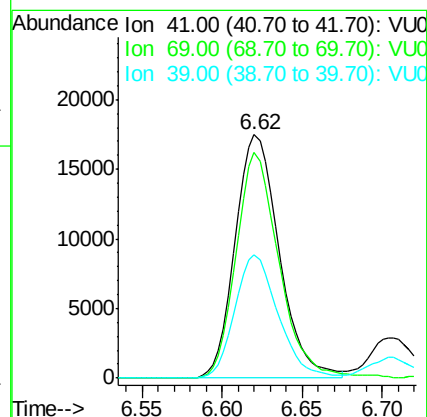
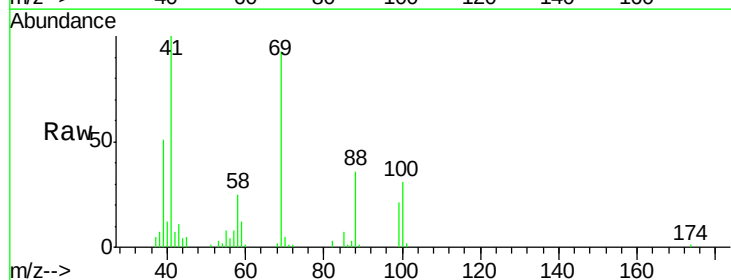
Tgt Ion: 41 Resp: 32841

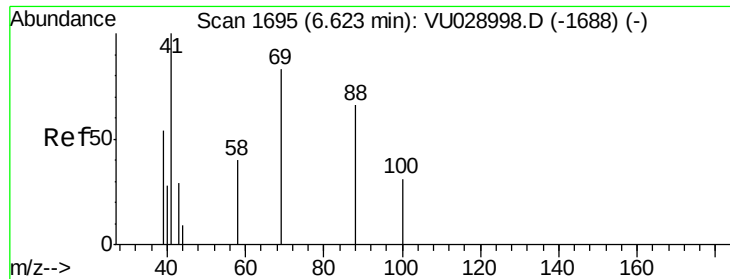
Ion Ratio Lower Upper

41 100

69 90.6 73.6 110.4

39 49.9 39.6 59.4

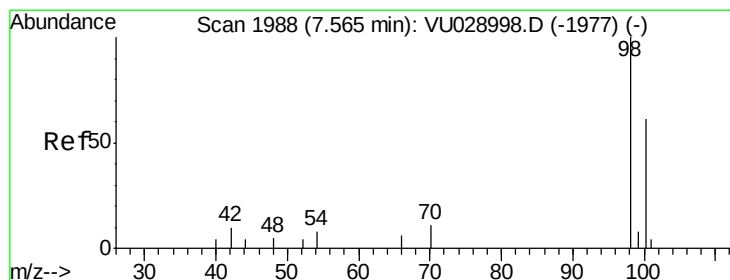
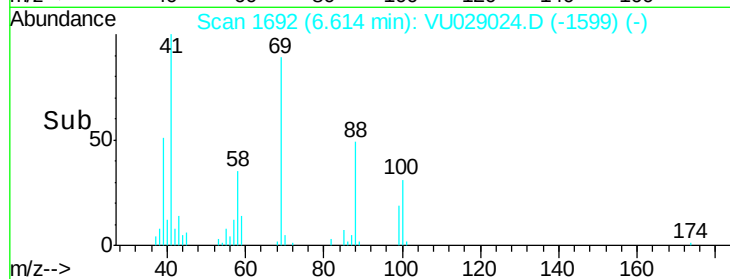
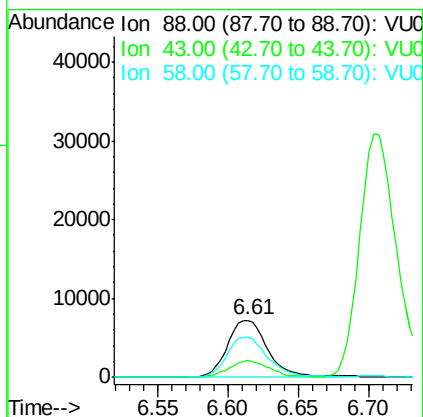
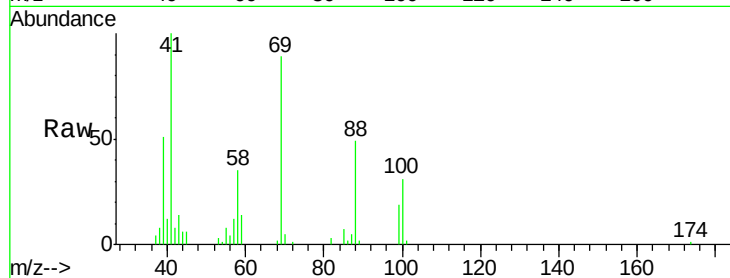




#49
1,4-Dioxane
Concen: 386.322 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

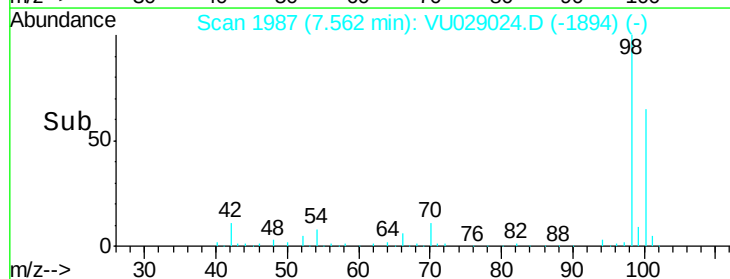
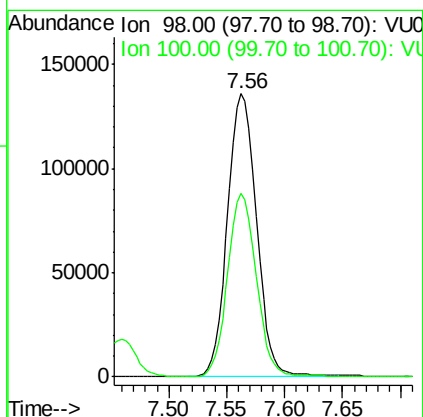
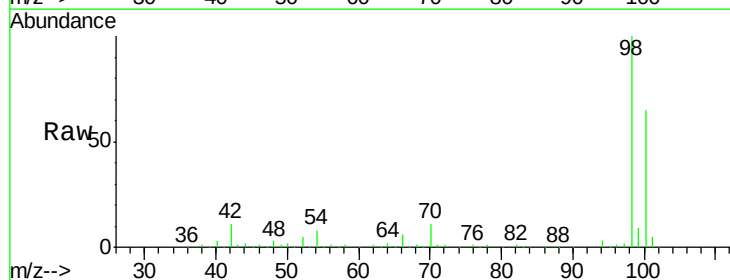
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

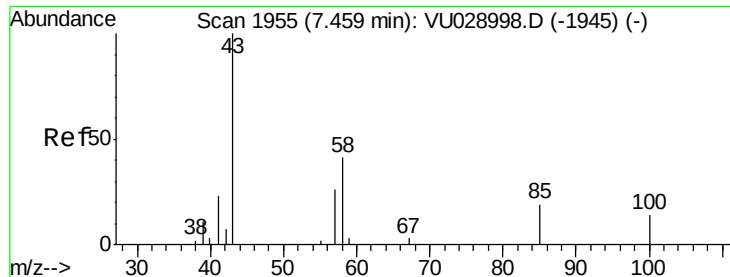
Tot Ion: 88 Resp: 14513
Ion Ratio Lower Upper
88 100
43 30.1 23.0 34.4
58 71.5 57.9 86.9



#50
Toluene-d8
Concen: 47.967 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 98 Resp: 237448
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 98.236 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

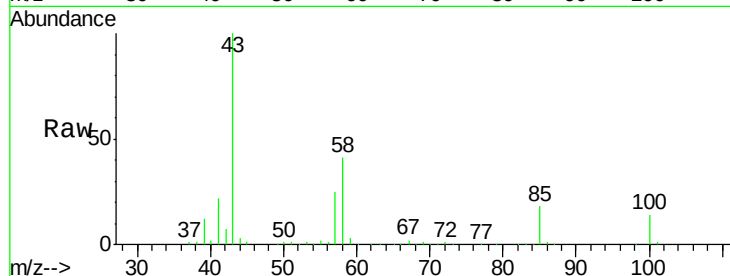
VU0105WBS01

Tot Ion: 43 Resp: 217651

Ion Ratio Lower Upper

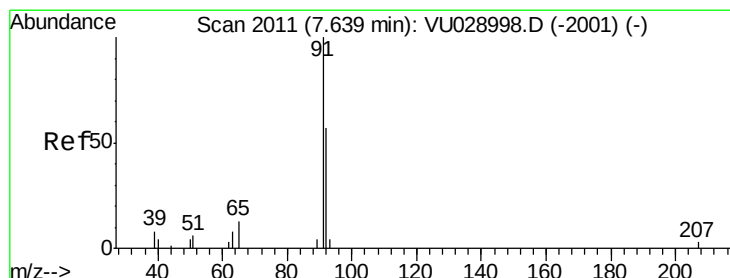
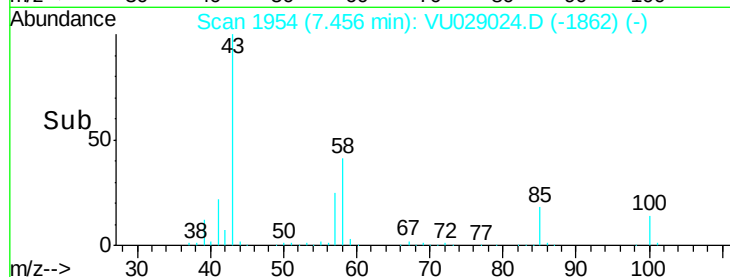
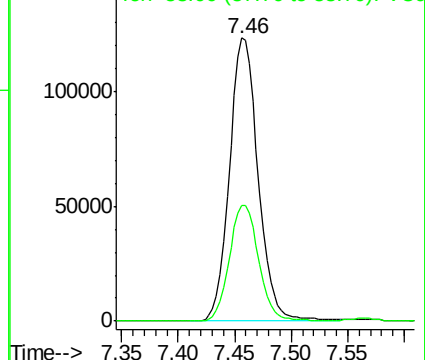
43 100

58 41.8 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.046 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029024.D

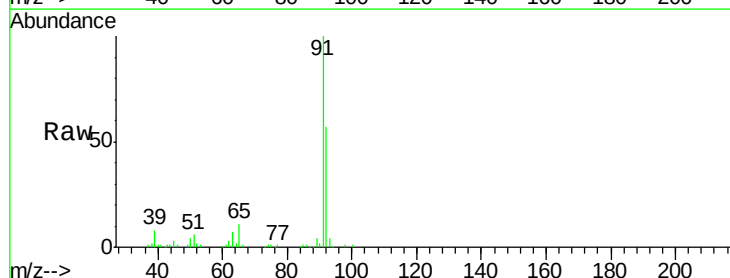
Acq: 04 Jan 2019 13:51

Tgt Ion: 92 Resp: 73600

Ion Ratio Lower Upper

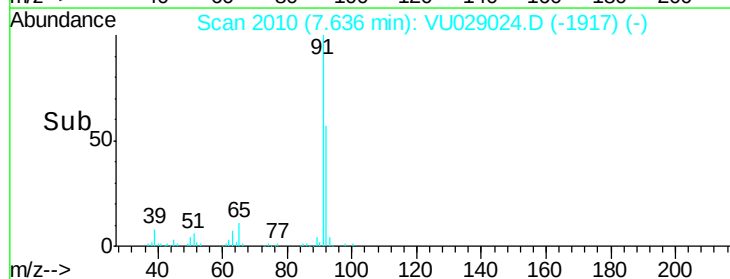
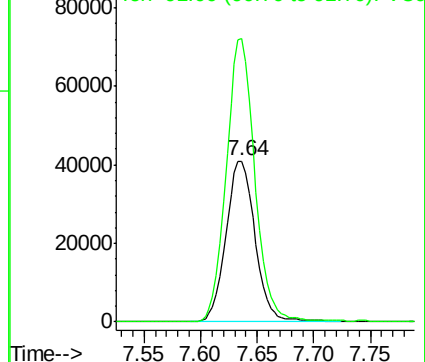
92 100

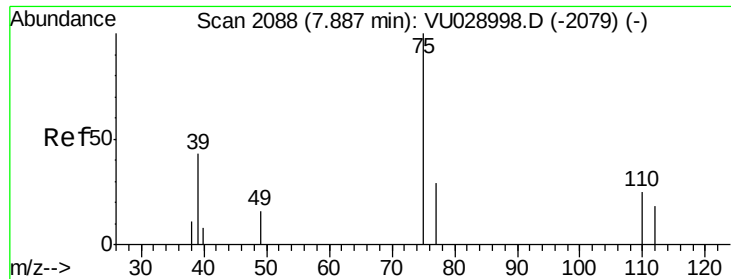
91 172.3 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.431 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

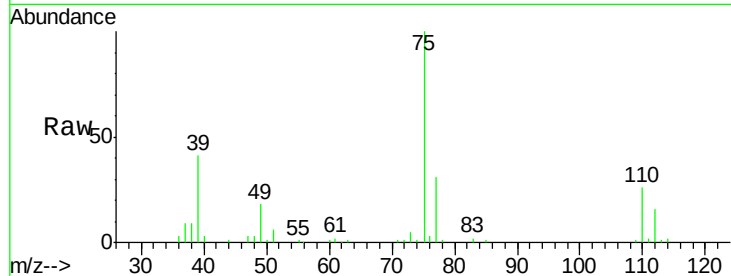
VU0105WBS01

Tot Ion: 75 Resp: 43756

Ion Ratio Lower Upper

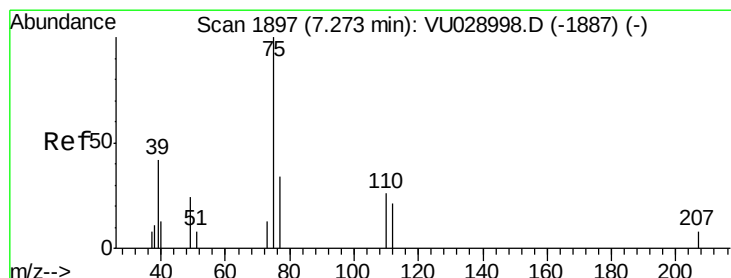
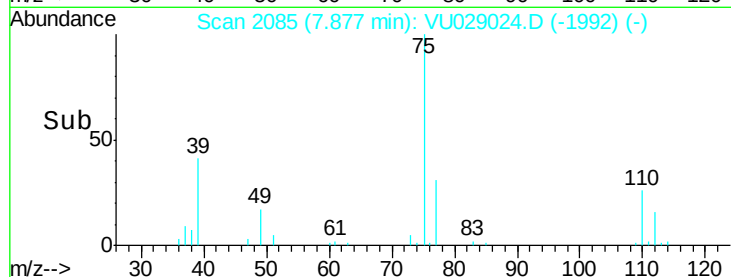
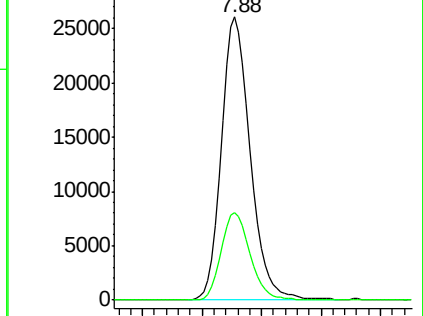
75 100

77 31.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.029 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

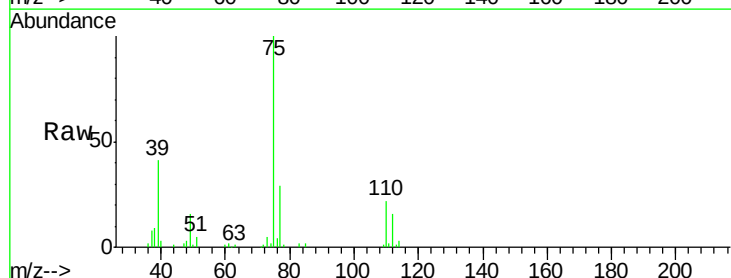
Tgt Ion: 75 Resp: 48736

Ion Ratio Lower Upper

75 100

77 29.1 25.0 37.6

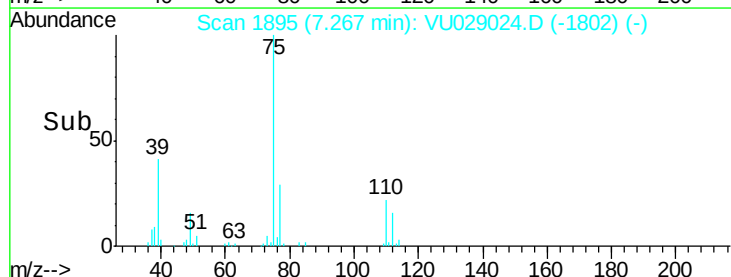
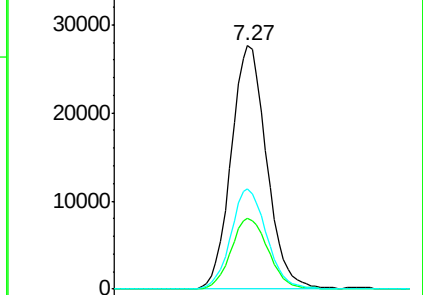
39 41.1 32.2 48.4

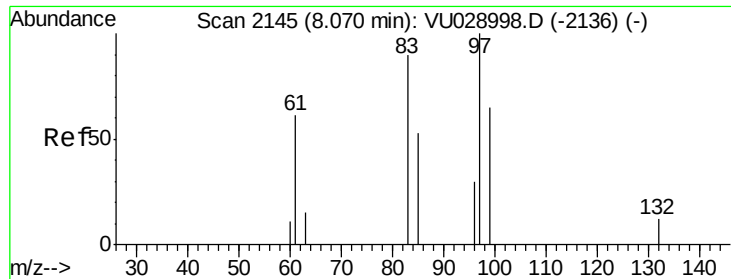


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

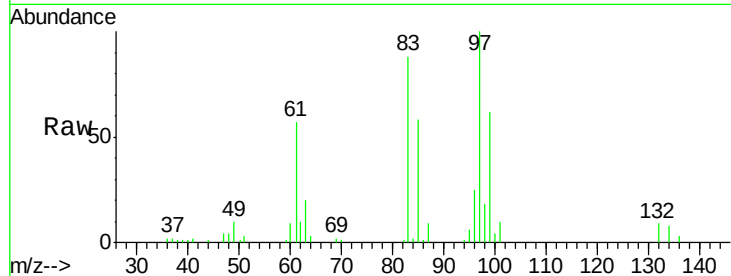




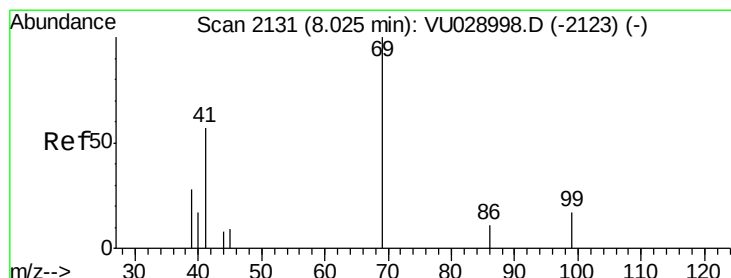
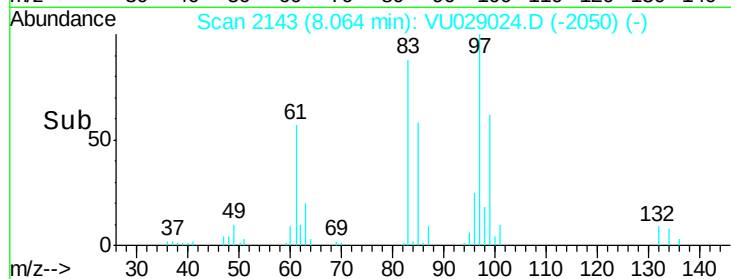
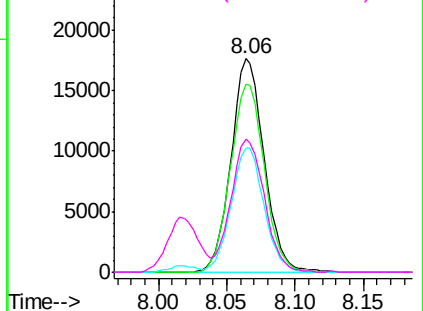
#55
 1,1,2-Trichloroethane
 Concen: 20.223 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion:	97	Resp:	29745
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.8
85	58.3	47.3	70.9
99	62.4	49.7	74.5

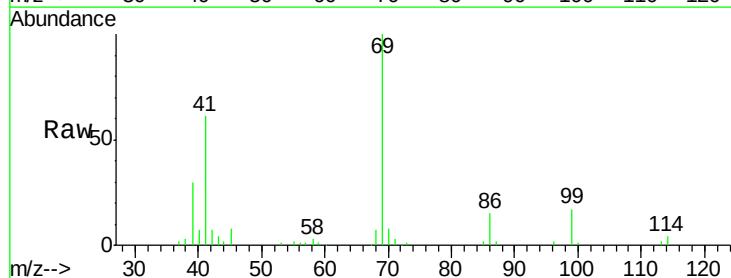


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

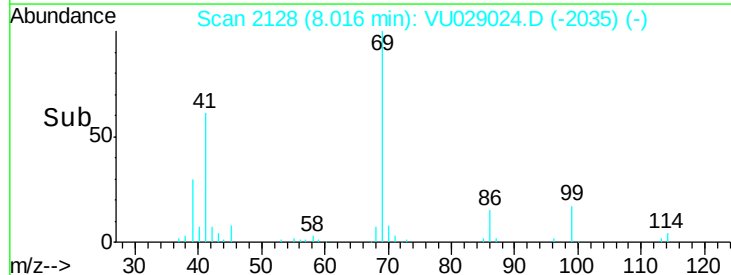
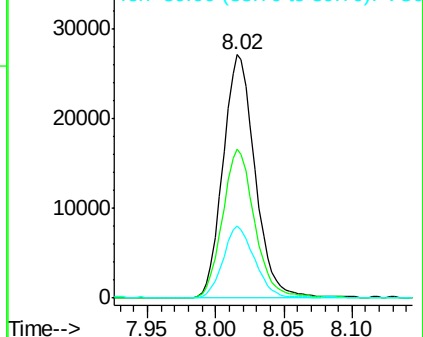


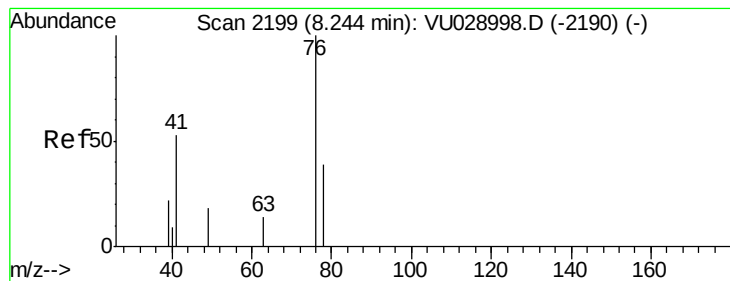
#56
 Ethyl methacrylate
 Concen: 19.518 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion:	69	Resp:	44229
Ion	Ratio	Lower	Upper
69	100		
41	61.8	47.5	71.3
39	29.2	22.5	33.7



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





#57

1,3-Dichloropropane

Concen: 20.363 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

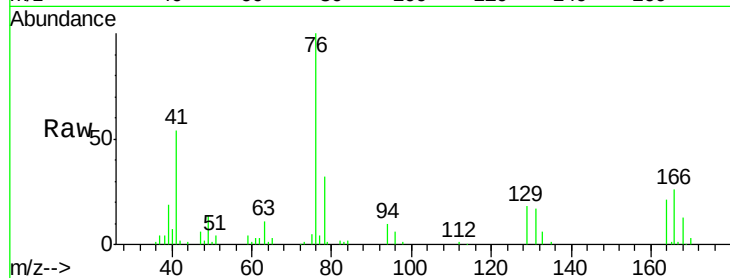
VU0105WBS01

Tot Ion: 76 Resp: 51250

Ion Ratio Lower Upper

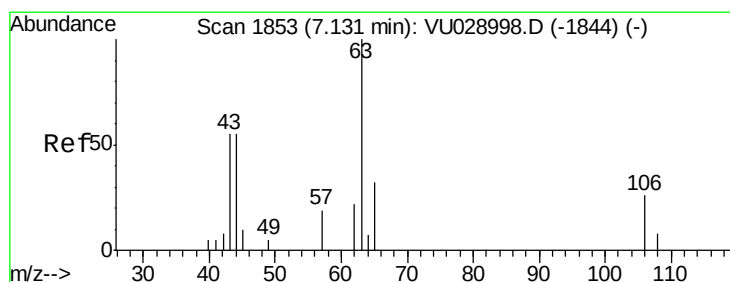
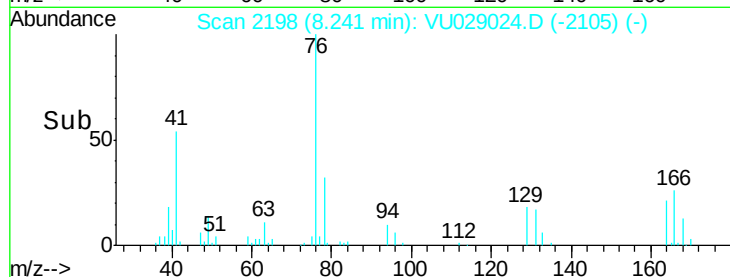
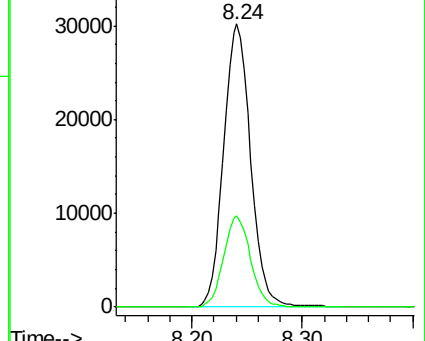
76 100

78 32.0 26.0 39.0



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

Ion 77.90 (77.60 to 78.60): VU029024.D (-1758) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 101.749 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029024.D

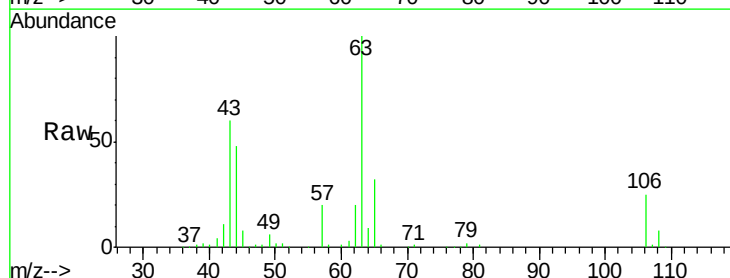
Acq: 04 Jan 2019 13:51

Tgt Ion: 63 Resp: 101398

Ion Ratio Lower Upper

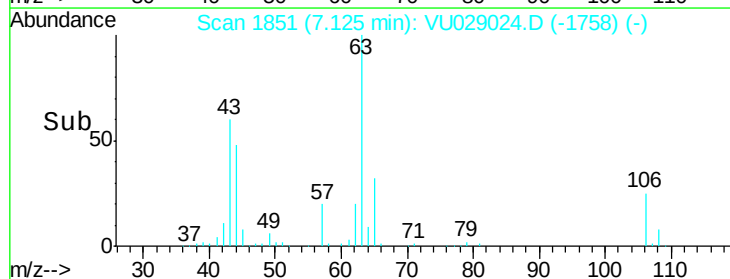
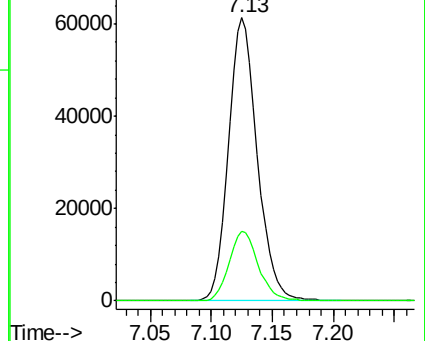
63 100

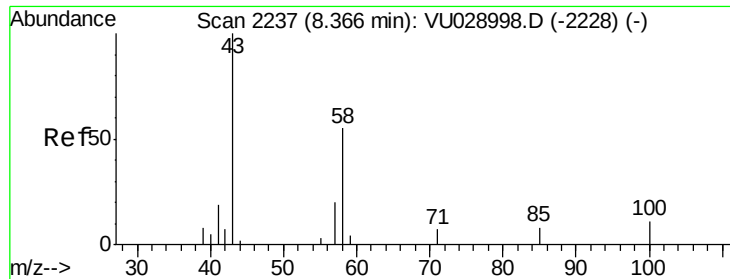
106 24.8 20.6 31.0



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

Ion 105.90 (105.60 to 106.60): VU029024.D (-1758) (-)

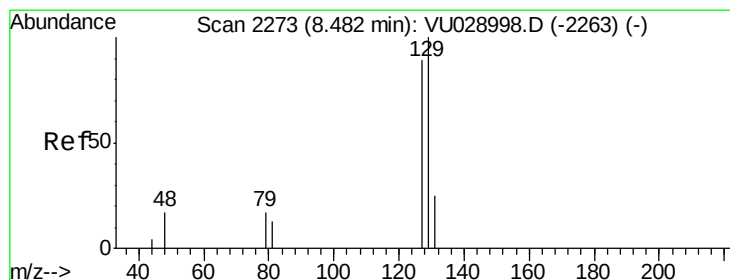
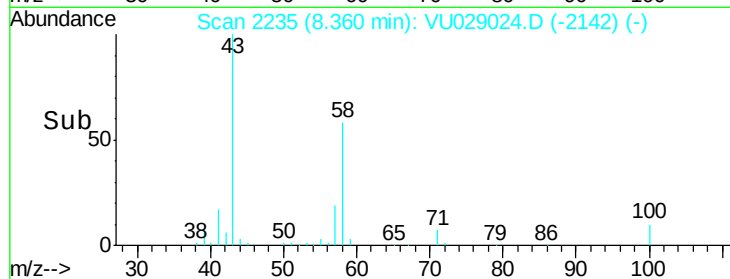
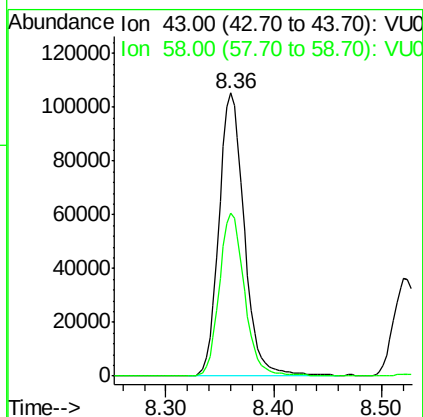
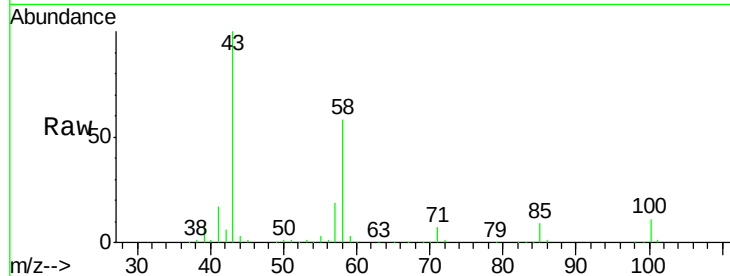




#59
2-Hexanone
Concen: 99.090 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

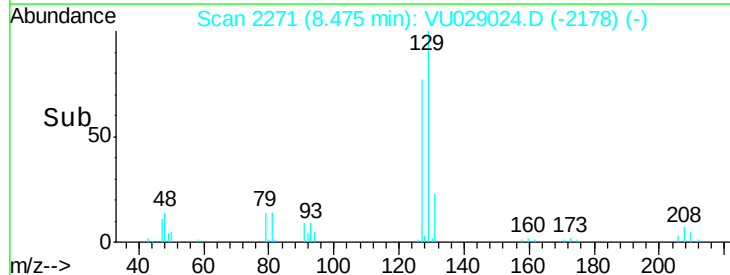
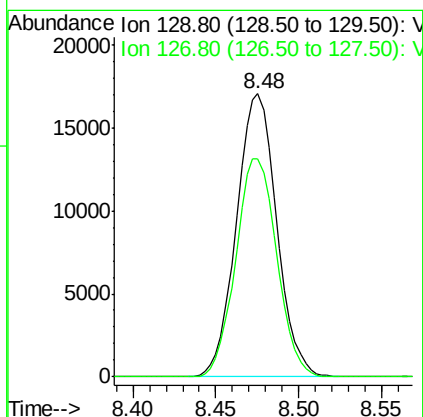
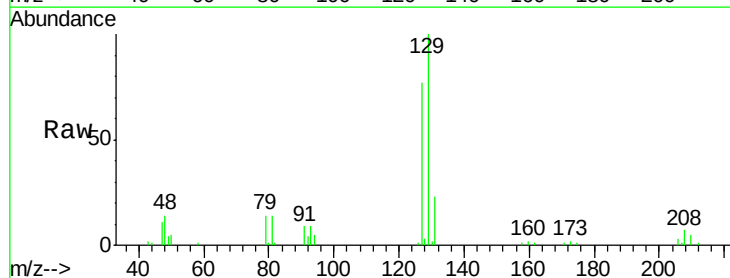
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

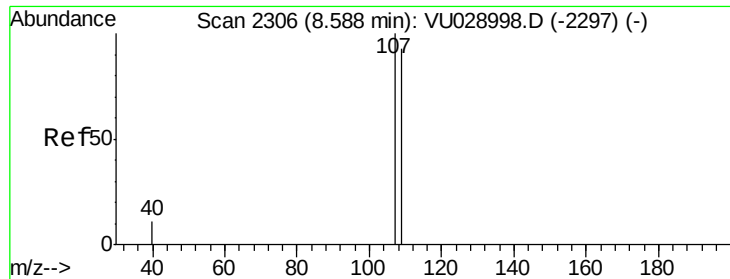
Tot Ion: 43 Resp: 172334
Ion Ratio Lower Upper
43 100
58 57.4 29.8 89.4



#60
Dibromochloromethane
Concen: 19.774 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 129 Resp: 28815
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.836 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

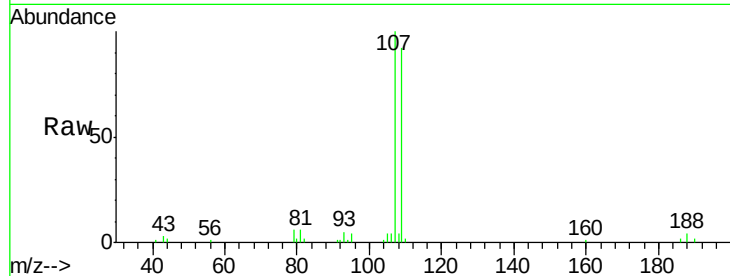
VU0105WBS01

Tot Ion:107 Resp: 31643

Ion Ratio Lower Upper

107 100

109 94.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

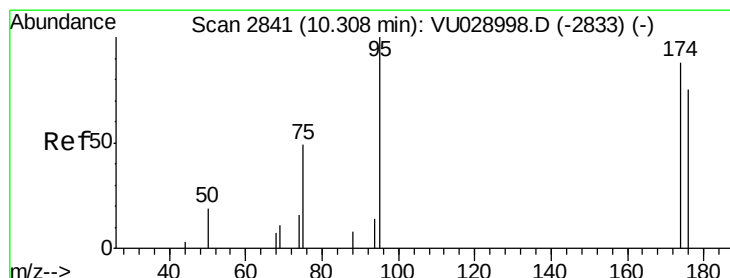
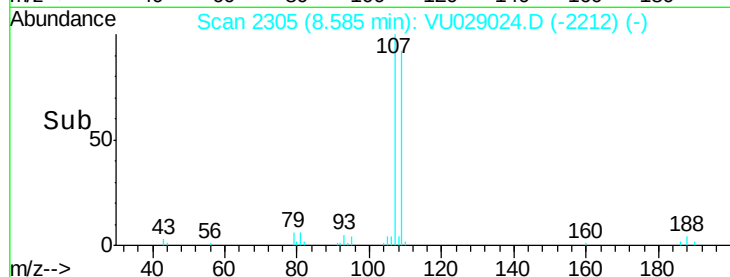
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 46.415 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

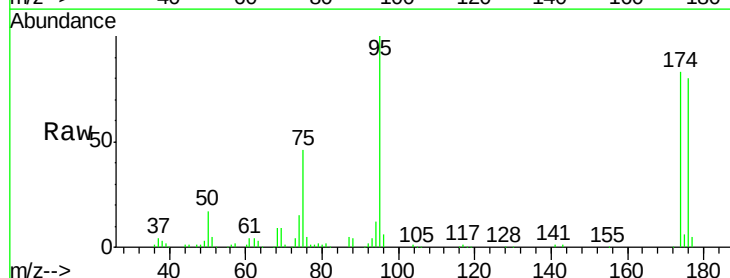
Tgt Ion: 95 Resp: 82572

Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.6

176 80.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

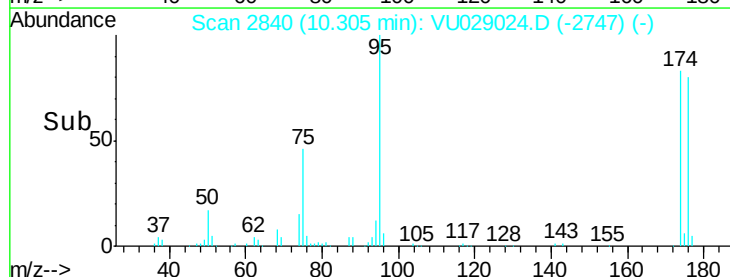
60000

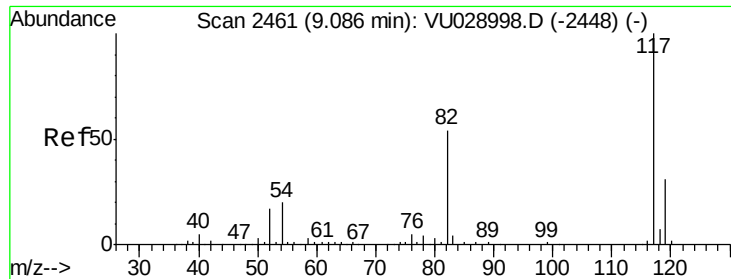
40000

20000

0

Time--> 10.30 10.40

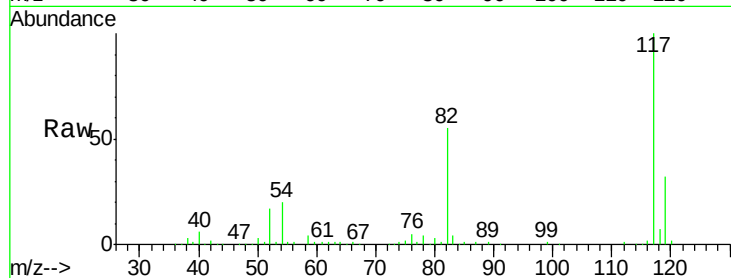




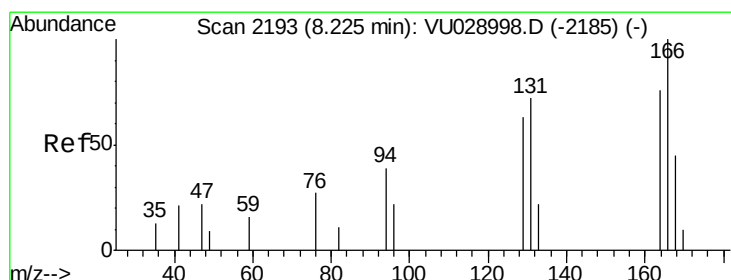
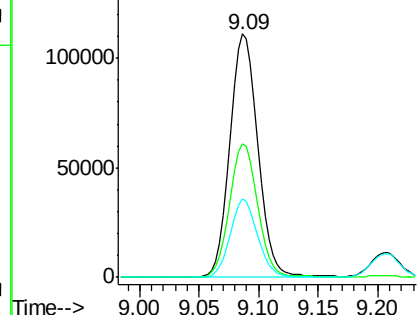
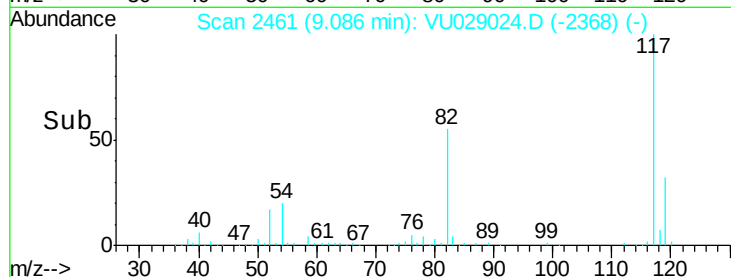
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion:117 Resp: 182450
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 32.0 26.0 39.0

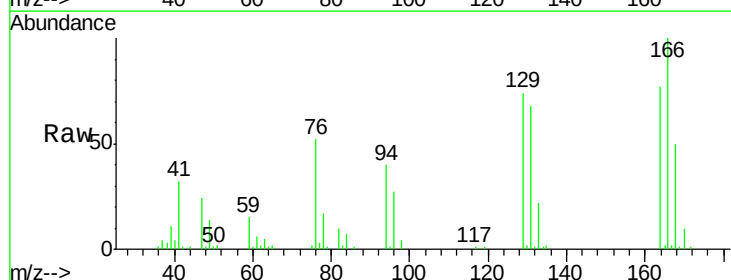


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

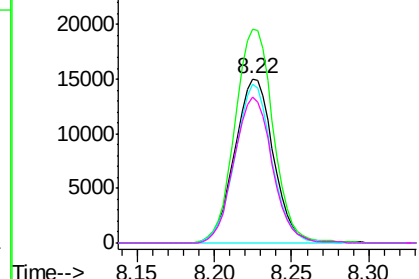
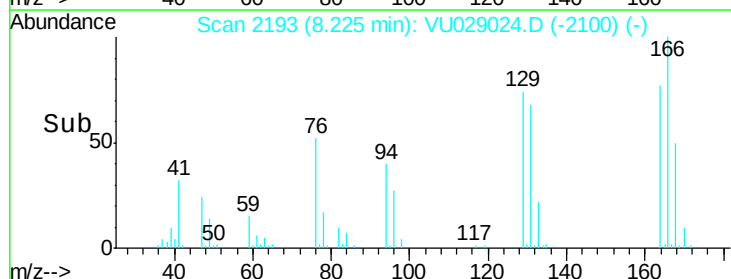


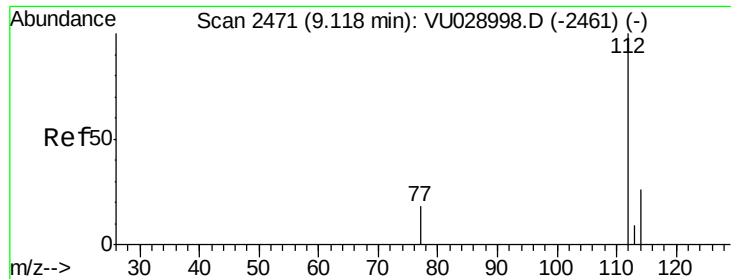
#64
Tetrachloroethene
Concen: 19.840 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:164 Resp: 26076
Ion Ratio Lower Upper
164 100
166 130.1 99.4 149.0
129 96.6 70.5 105.7
131 88.5 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

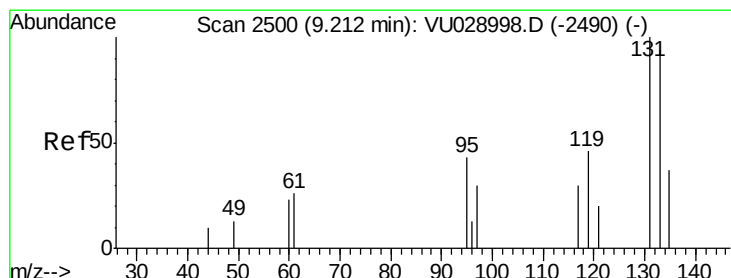
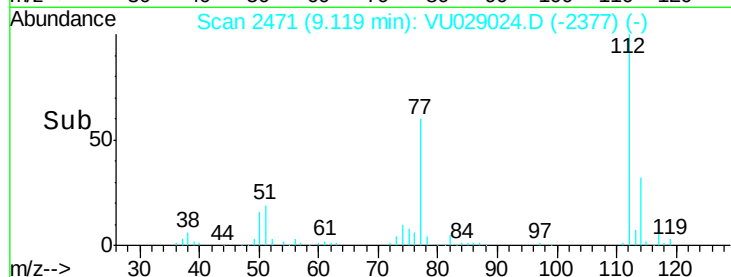
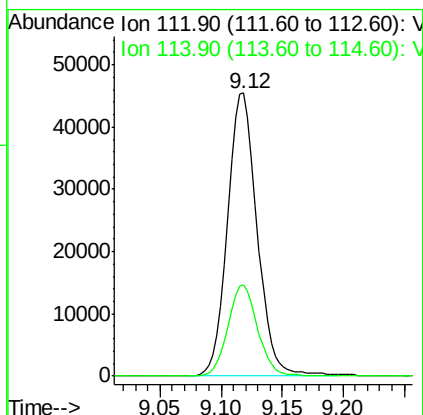
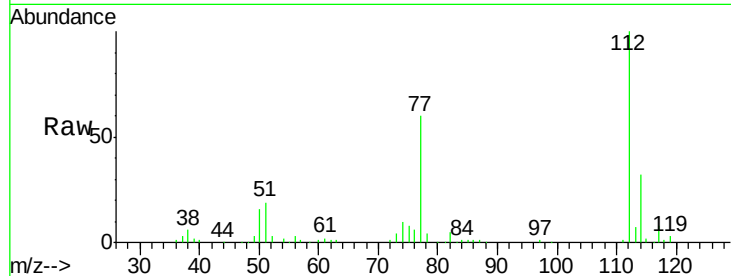




#65
Chlorobenzene
Concen: 18.945 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

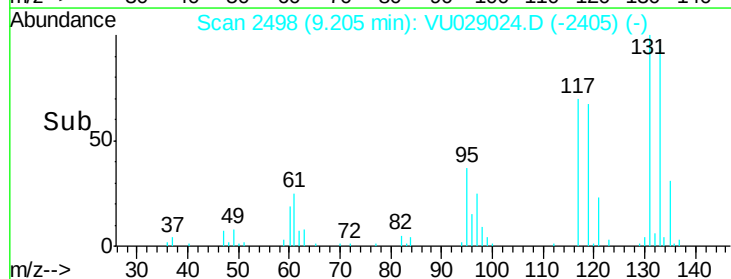
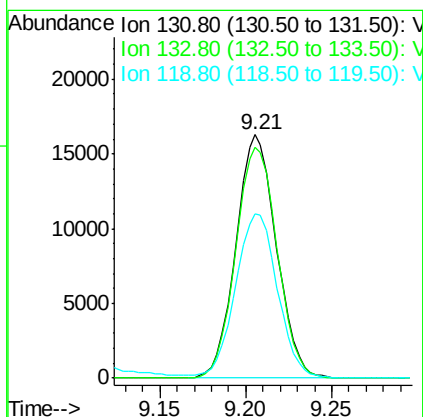
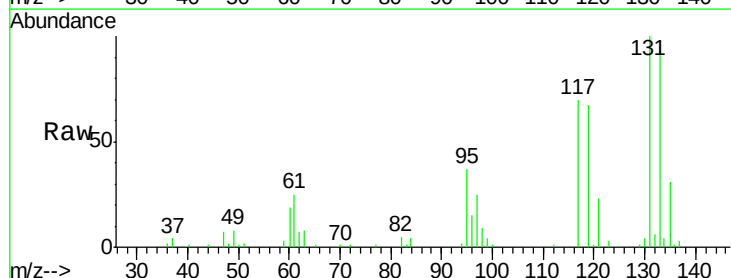
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

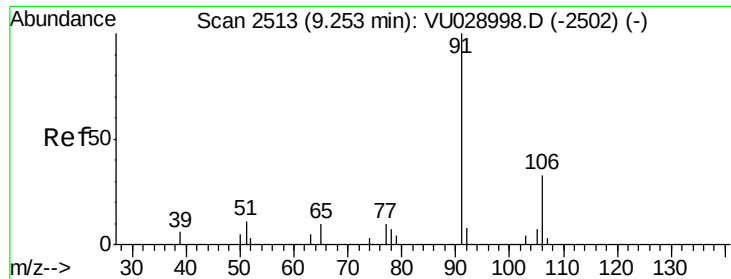
Tot Ion:112 Resp: 77481
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.062 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:131 Resp: 26626
Ion Ratio Lower Upper
131 100
133 97.1 48.2 144.6
119 70.4 35.4 106.3





#67

Ethyl Benzene

Concen: 19.406 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

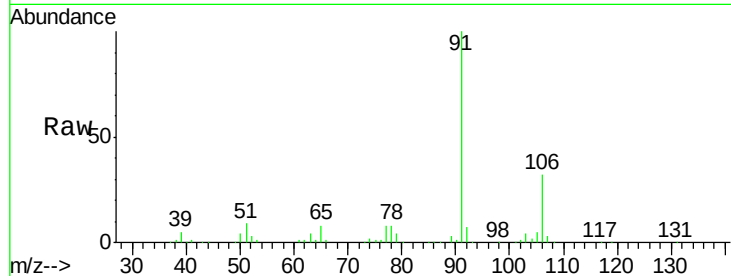
VU0105WBS01

Tot Ion: 91 Resp: 132502

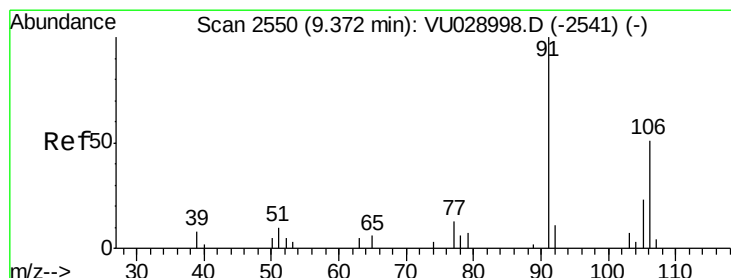
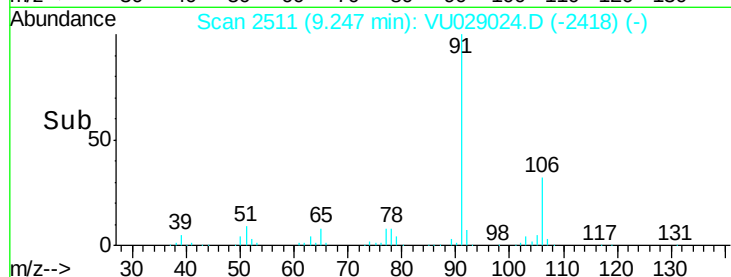
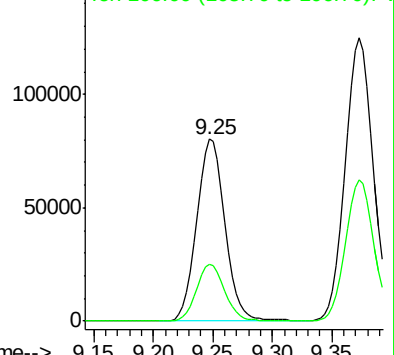
Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2502) (-)



#68

m/p-Xylenes

Concen: 39.308 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029024.D

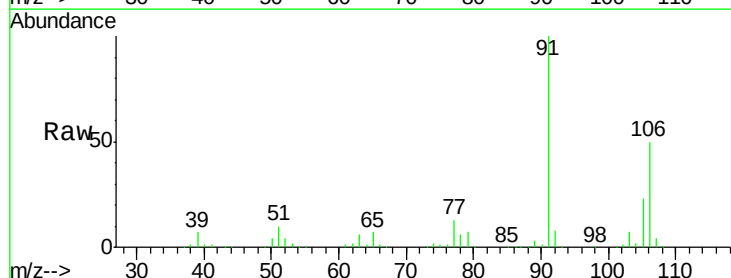
Acq: 04 Jan 2019 13:51

Tgt Ion: 106 Resp: 104284

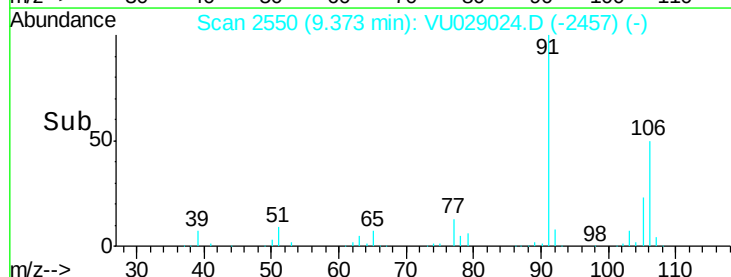
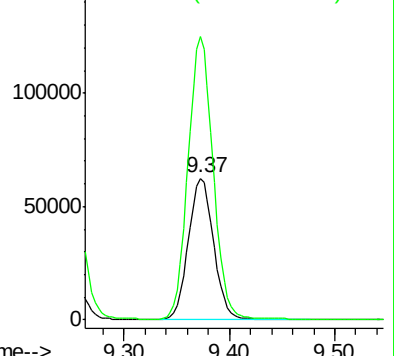
Ion Ratio Lower Upper

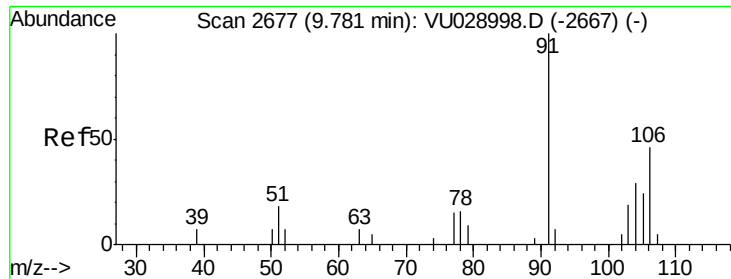
106 100

91 195.5 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU028998.D (-2541) (-)

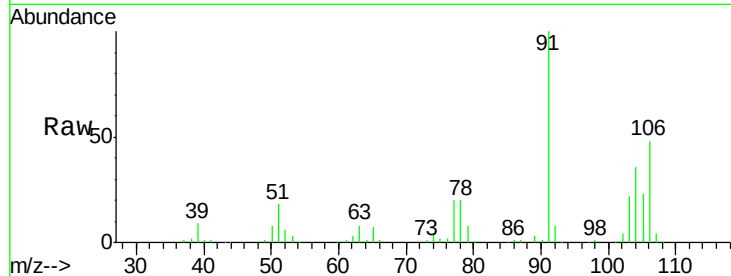




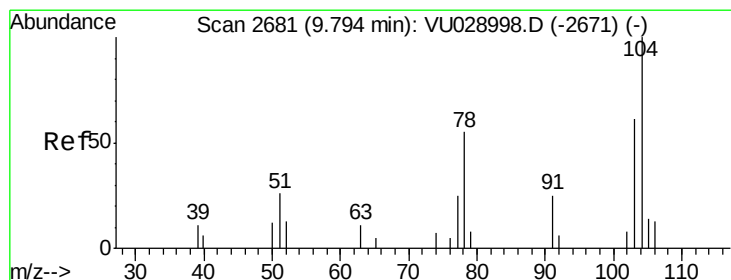
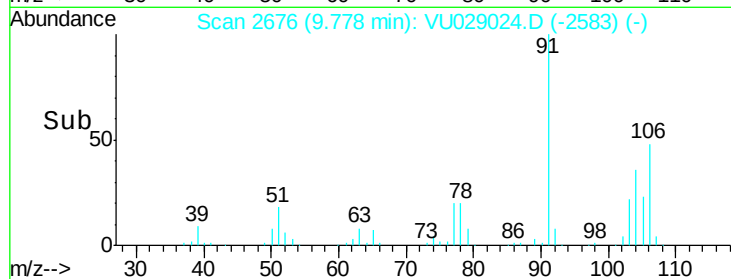
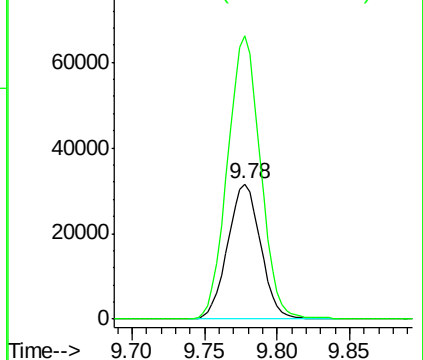
#69
o-Xylene
Concen: 19.452 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion:106 Resp: 49724
Ion Ratio Lower Upper
106 100
91 210.2 106.1 318.3

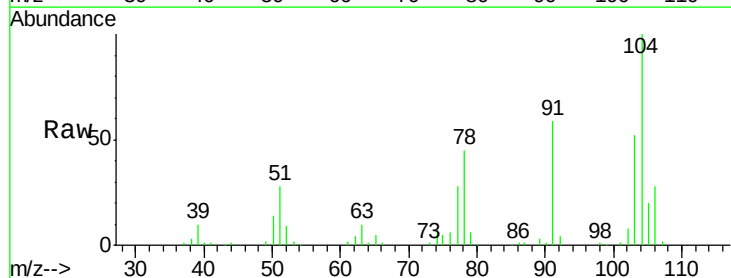


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

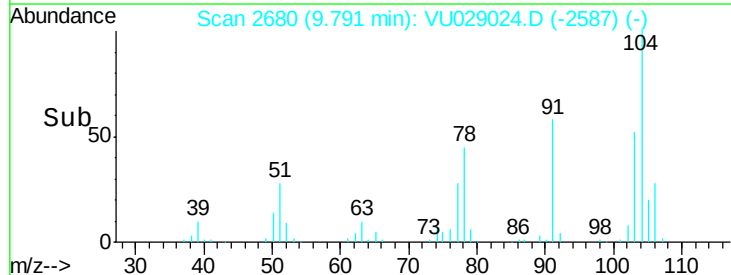
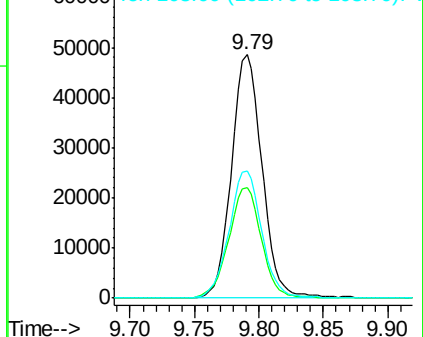


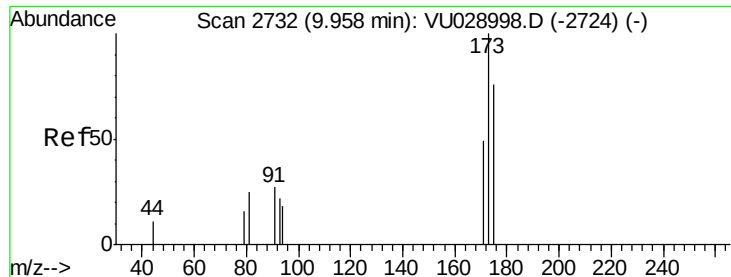
#70
Styrene
Concen: 19.130 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:104 Resp: 80167
Ion Ratio Lower Upper
104 100
78 48.5 38.6 58.0
103 55.9 44.5 66.7



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





#71

Bromoform

Concen: 18.908 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

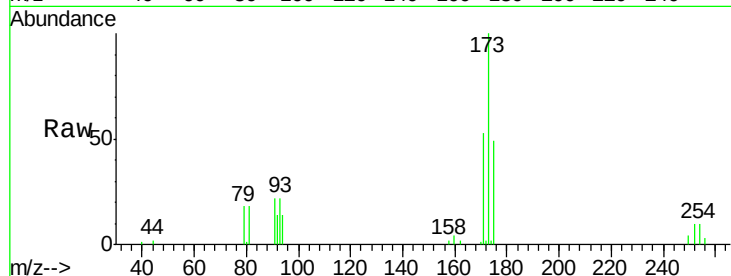
Tot Ion:173 Resp: 22344

Ion Ratio Lower Upper

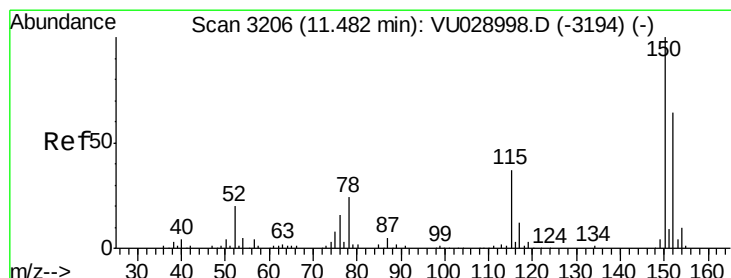
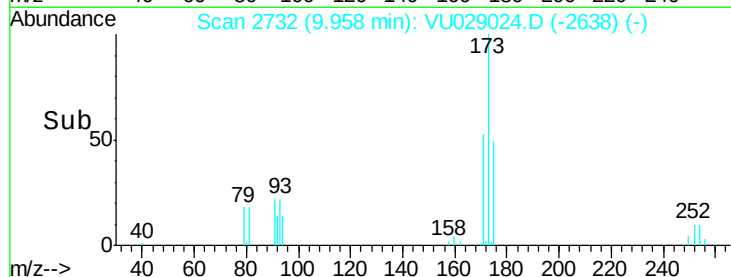
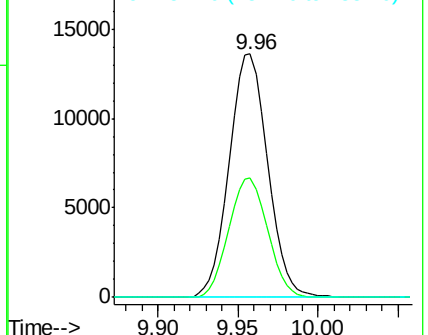
173 100

175 49.4 23.8 71.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

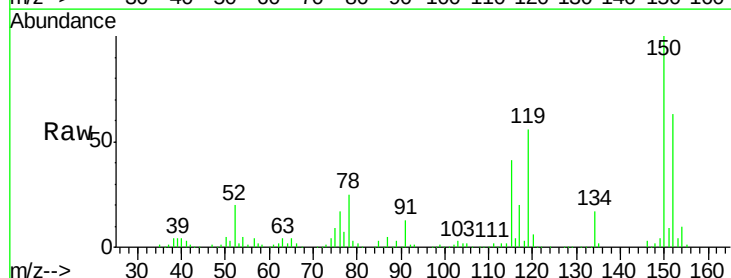
Tgt Ion:152 Resp: 88897

Ion Ratio Lower Upper

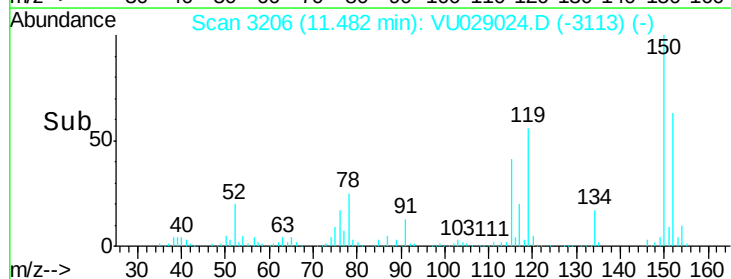
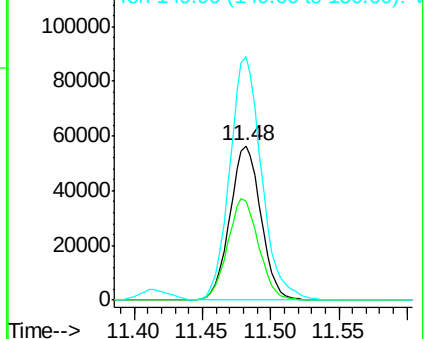
152 100

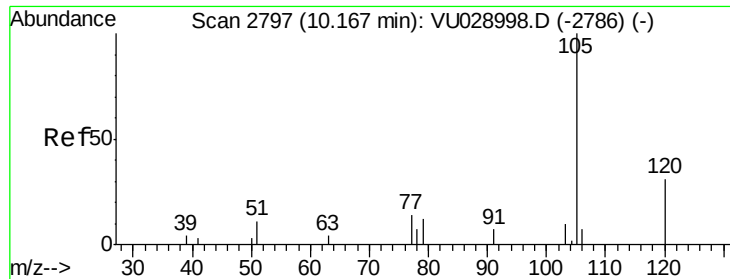
115 65.9 40.1 120.3

150 162.3 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.518 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

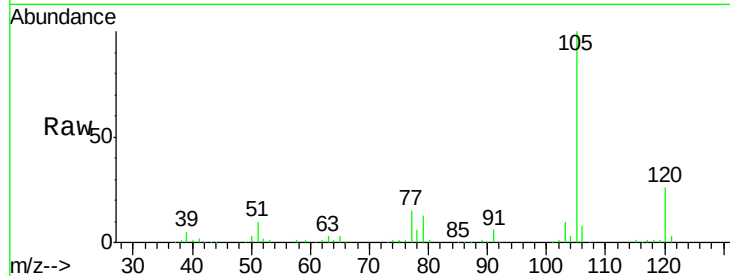
VU0105WBS01

Tot Ion:105 Resp: 128430

Ion Ratio Lower Upper

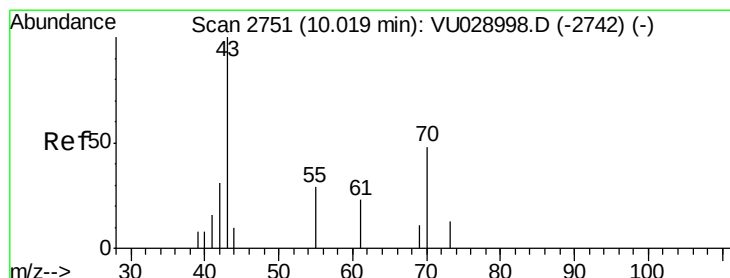
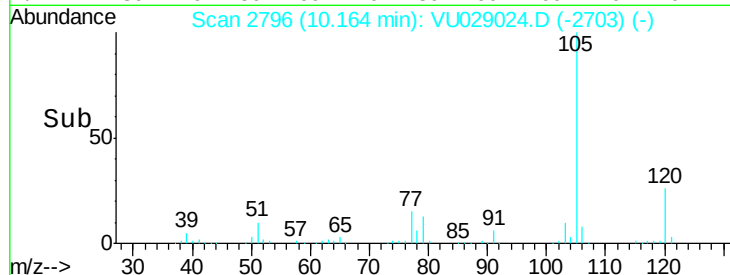
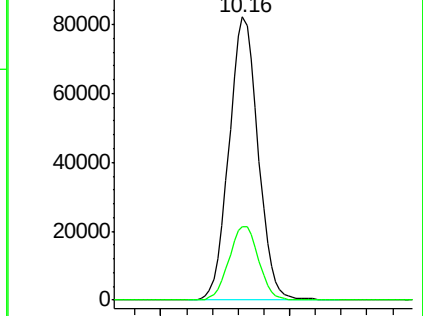
105 100

120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.686 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion: 43 Resp: 55817

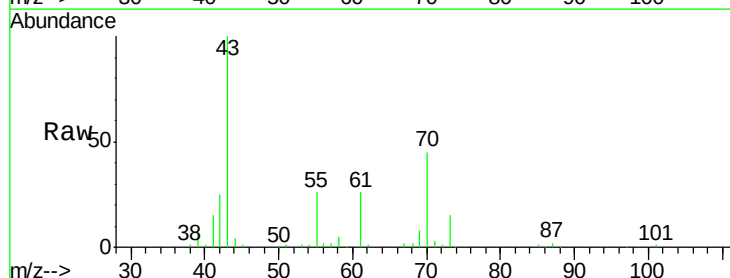
Ion Ratio Lower Upper

43 100

70 45.2 36.3 54.5

55 26.2 20.5 30.7

61 26.0 21.8 32.8

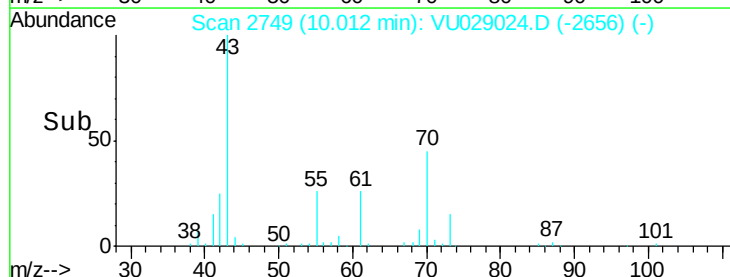
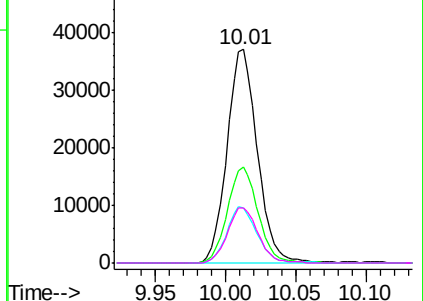


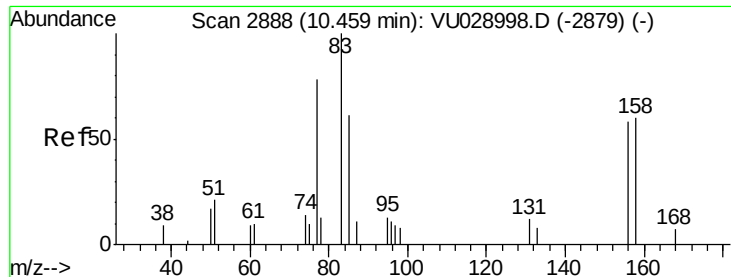
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

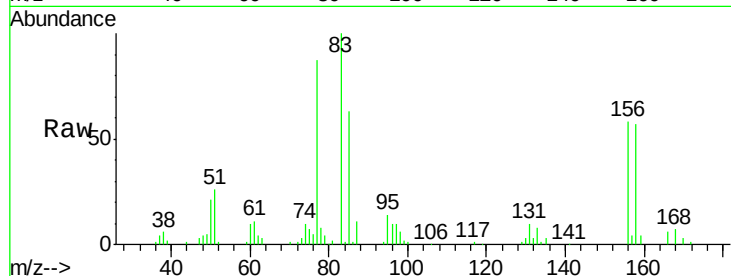
Tot Ion: 83 Resp: 51048

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

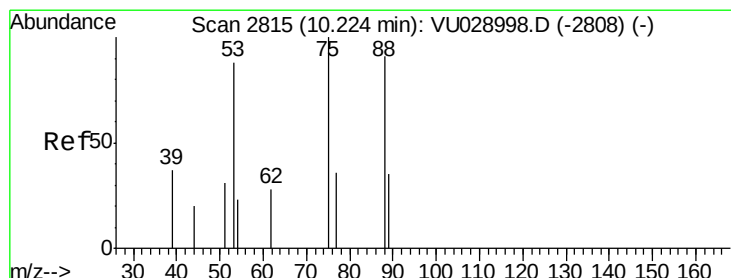
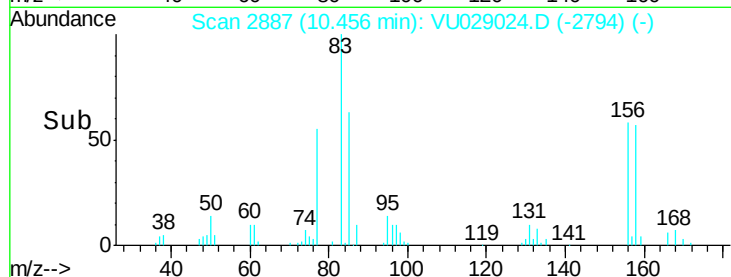
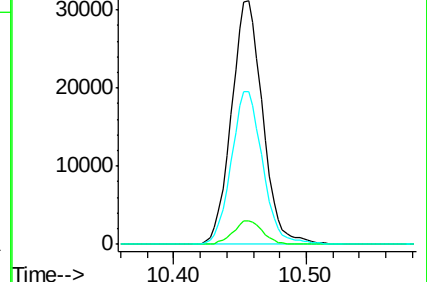
85 62.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 26.384 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029024.D

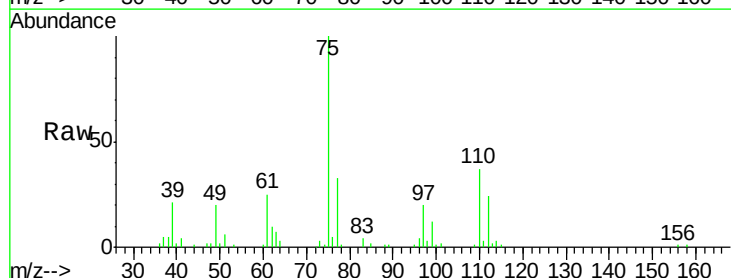
Acq: 04 Jan 2019 13:51

Tgt Ion: 75 Resp: 57467

Ion Ratio Lower Upper

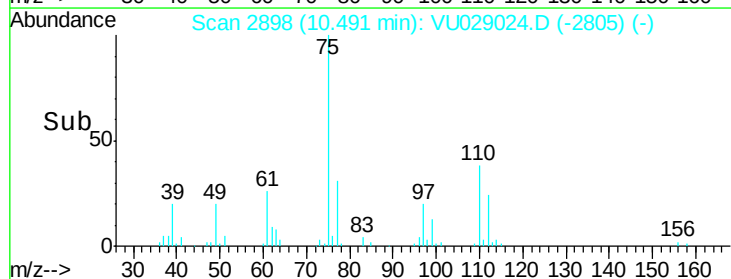
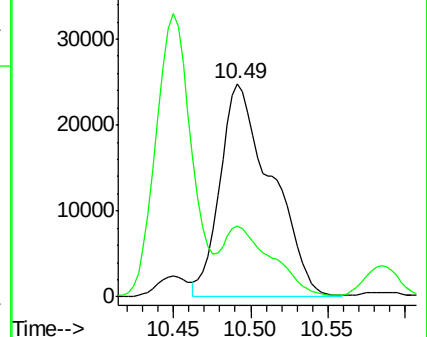
75 100

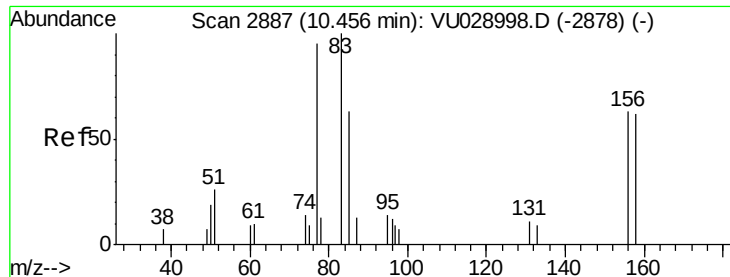
77 30.6 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.526 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

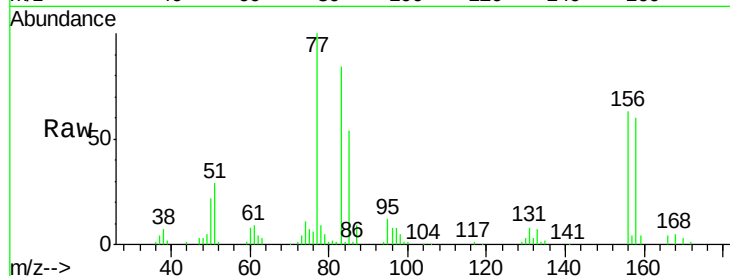
Tot Ion:156 Resp: 33482

Ion Ratio Lower Upper

156 100

77 157.7 79.0 237.2

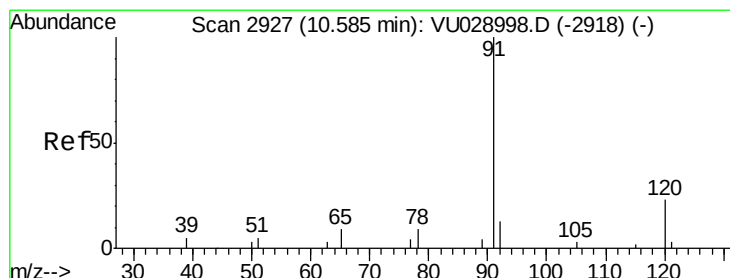
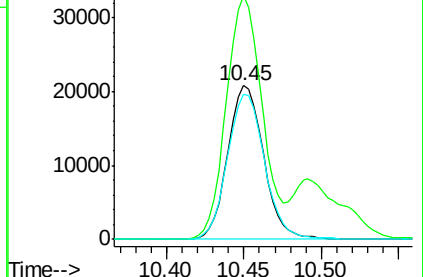
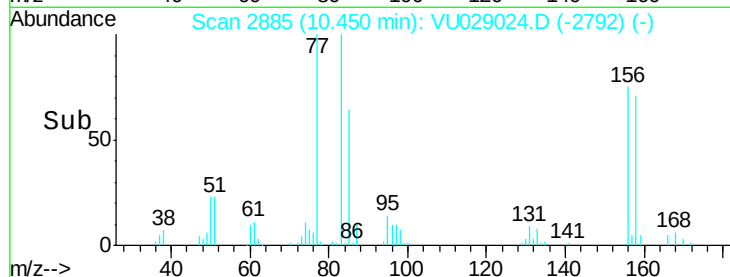
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.699 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029024.D

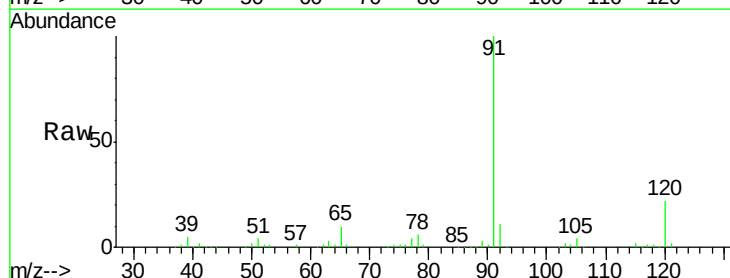
Acq: 04 Jan 2019 13:51

Tgt Ion: 91 Resp: 152756

Ion Ratio Lower Upper

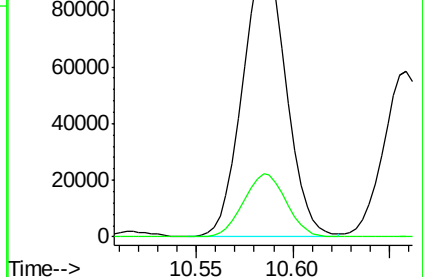
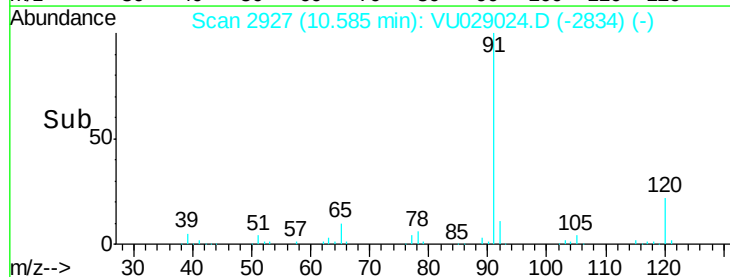
91 100

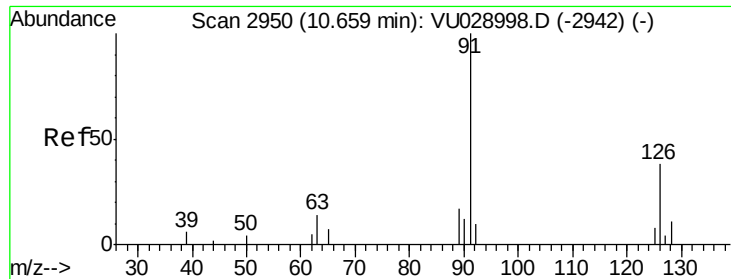
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

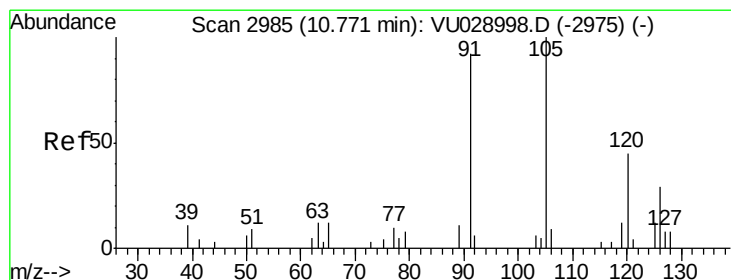
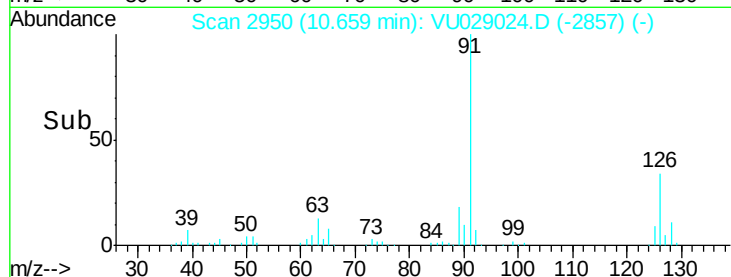
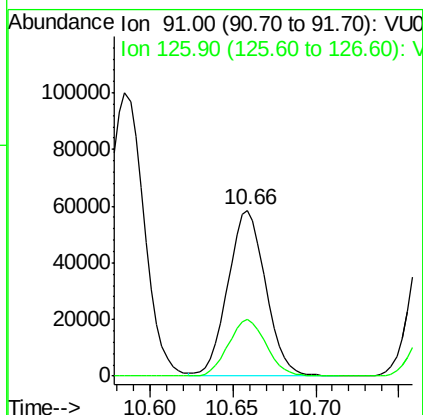
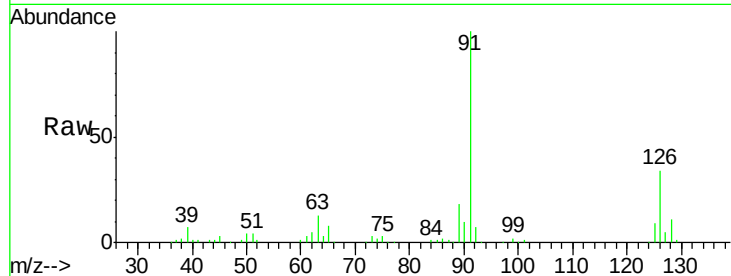




#79
 2-Chlorotoluene
 Concen: 19.622 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

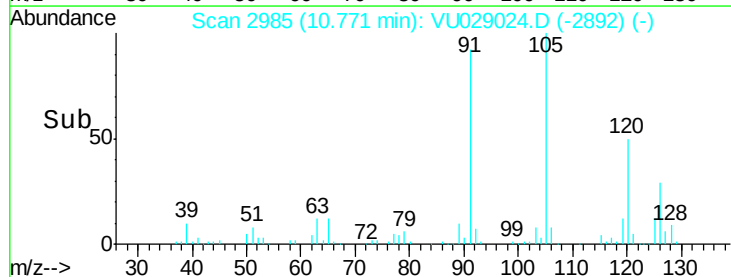
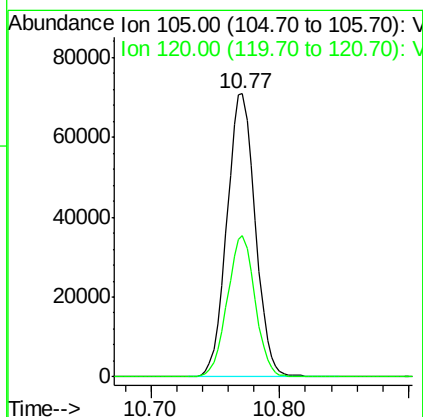
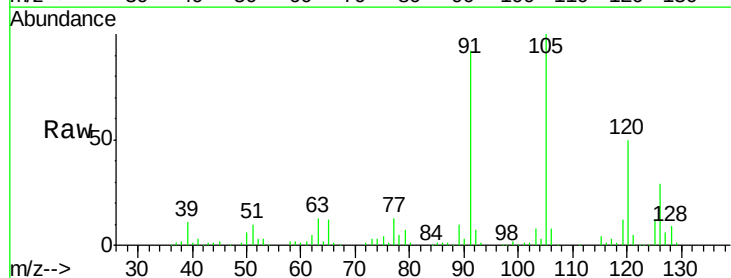
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

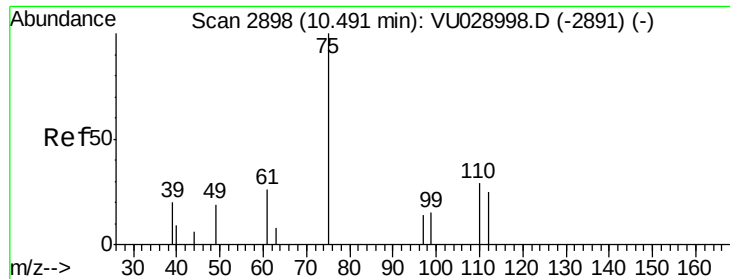
Tot Ion: 91 Resp: 92300
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 19.680 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 105 Resp: 108138
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 68.045 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

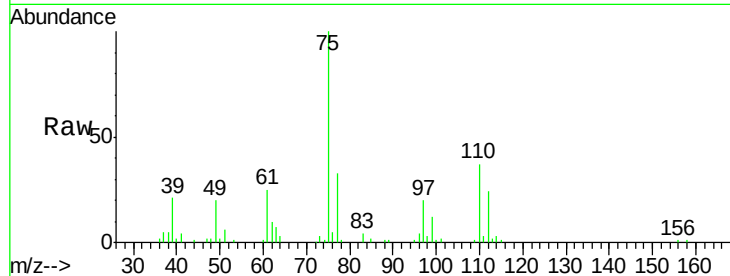
Tot Ion: 75 Resp: 57467

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

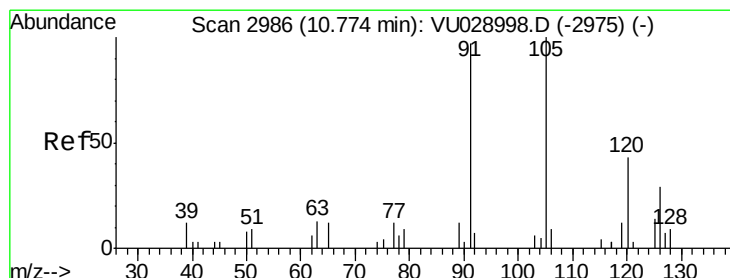
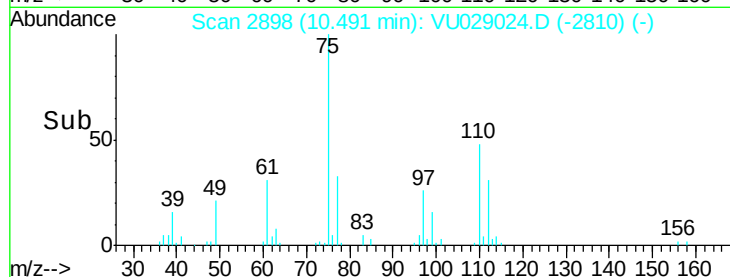
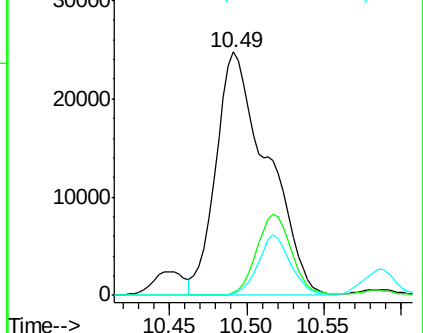
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 19.109 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029024.D

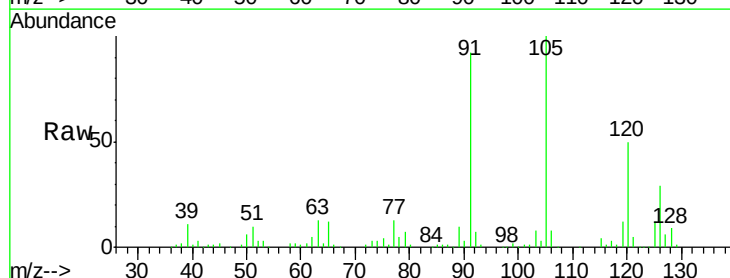
Acq: 04 Jan 2019 13:51

Tgt Ion: 91 Resp: 103069

Ion Ratio Lower Upper

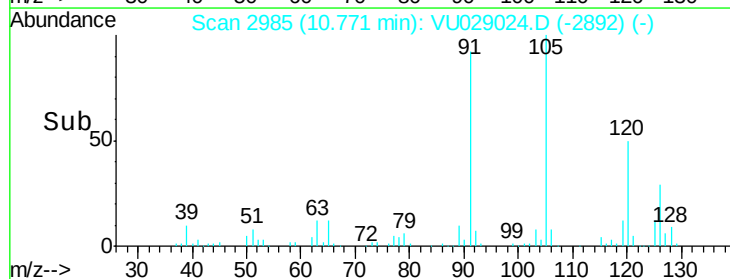
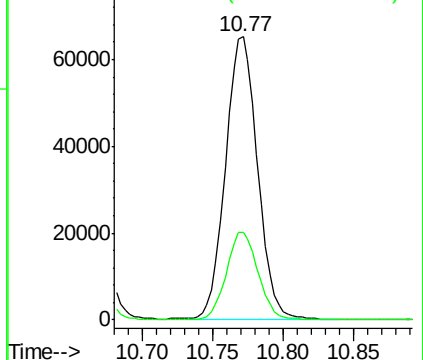
91 100

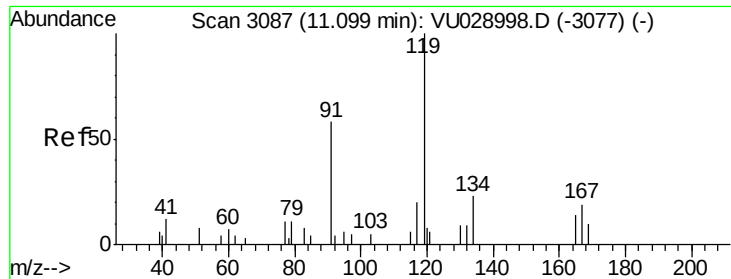
126 31.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

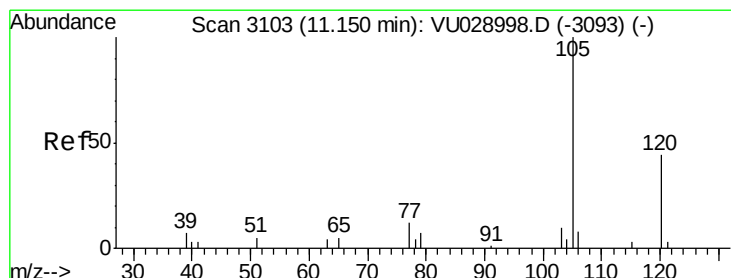
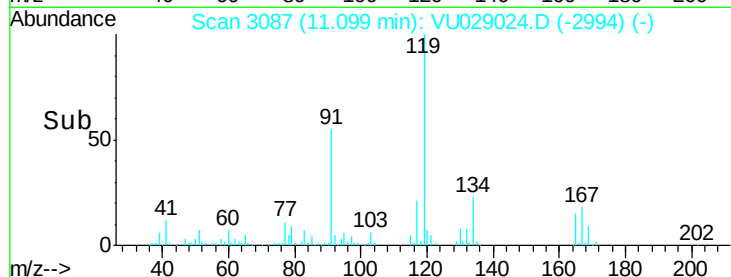
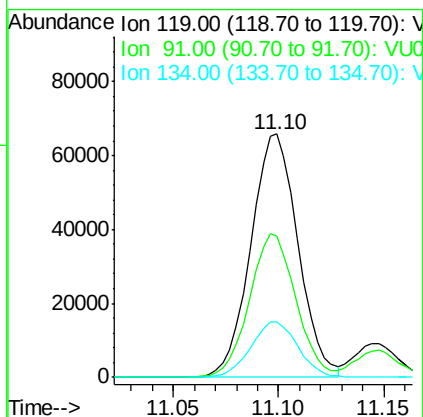
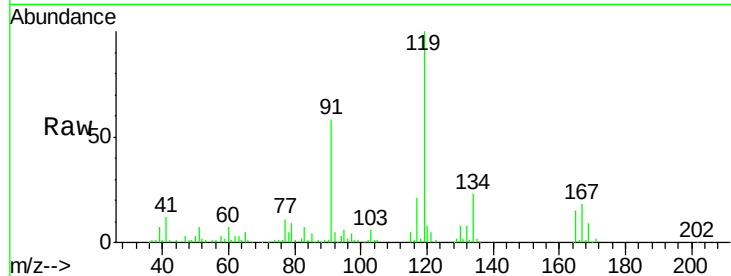




#83
tert-Butylbenzene
Concen: 18.925 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

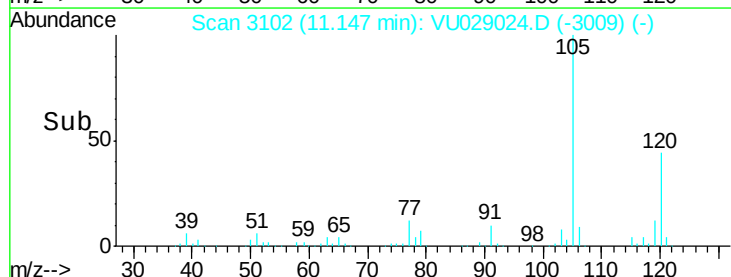
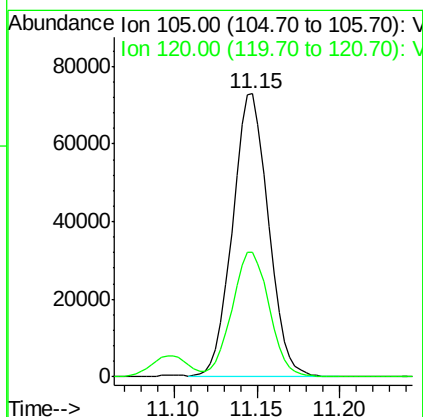
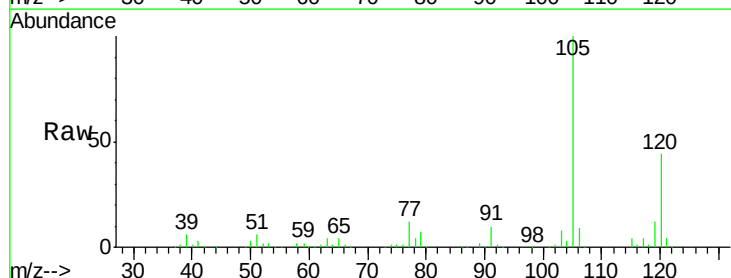
Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

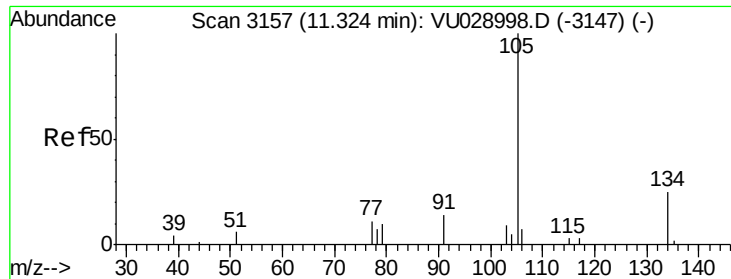
Tot Ion:119 Resp: 102496
Ion Ratio Lower Upper
119 100
91 57.9 28.2 84.6
134 22.8 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 19.945 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:105 Resp: 109415
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.3

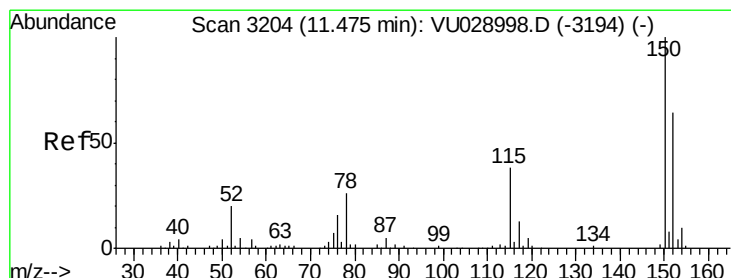
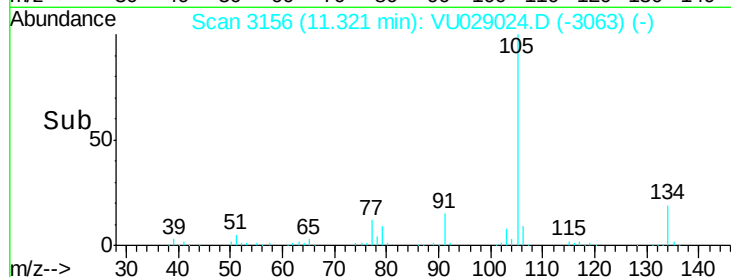
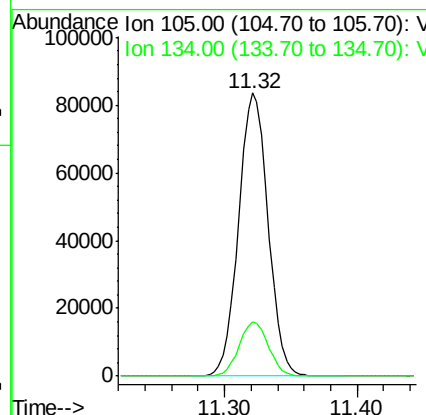
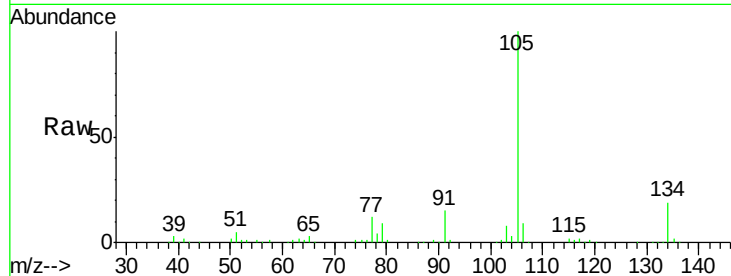




#85
 sec-Butylbenzene
 Concen: 19.677 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

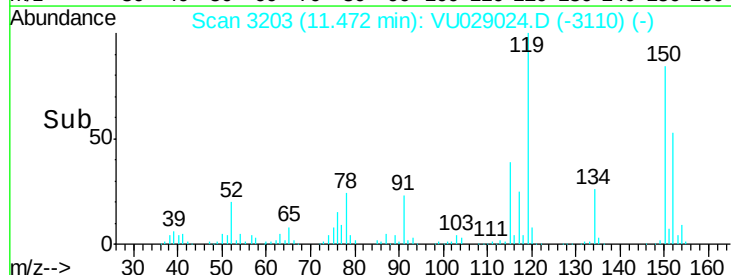
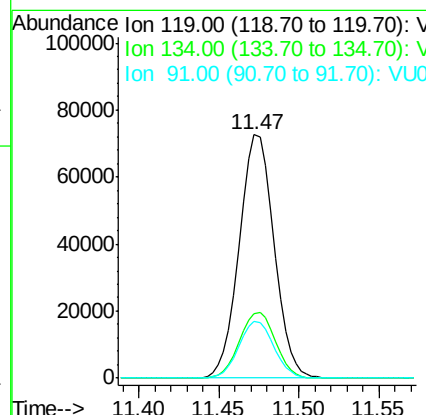
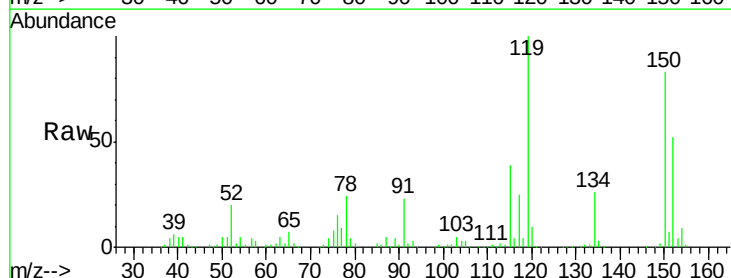
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

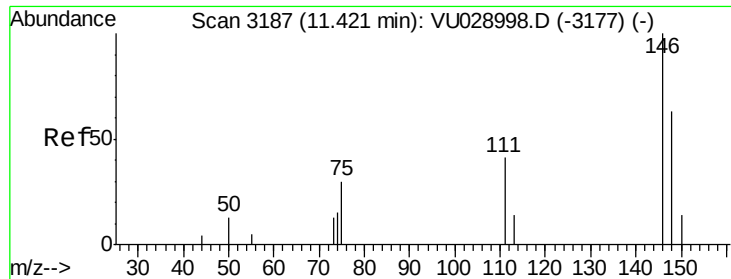
Tot Ion:105 Resp: 128879
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.307 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion:119 Resp: 107755
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.5 40.4
 91 23.4 11.3 33.8

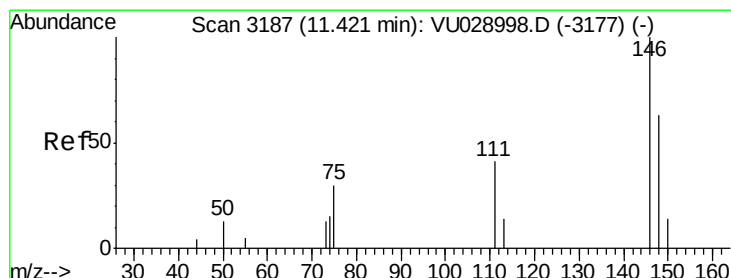
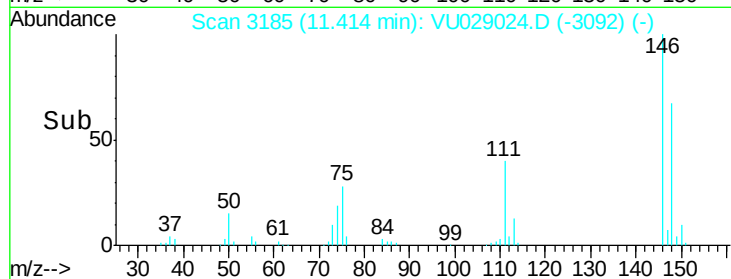
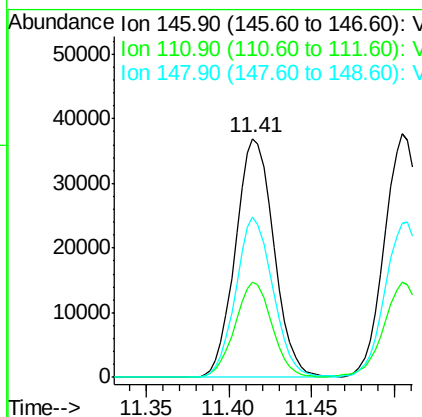
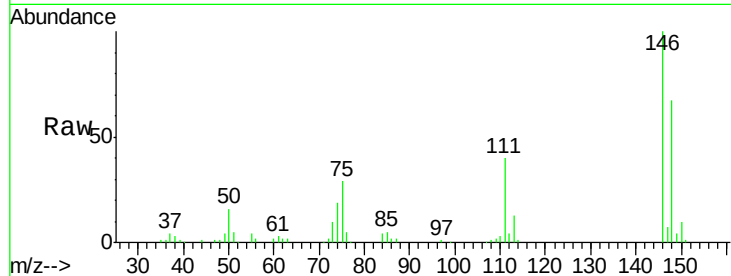




#87
 1,3-Dichlorobenzene
 Concen: 18.916 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

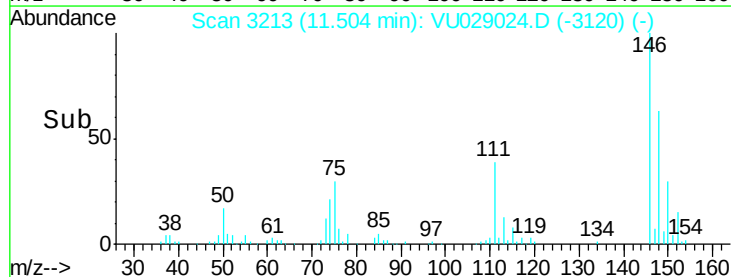
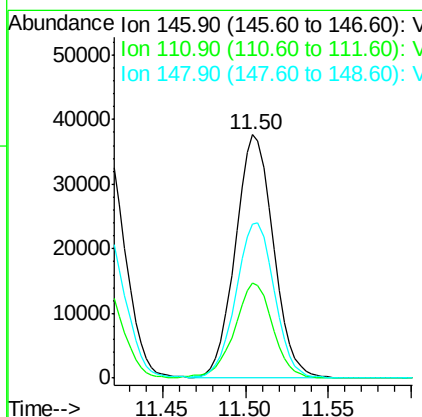
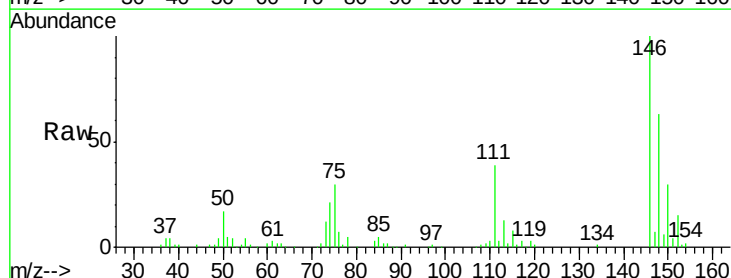
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

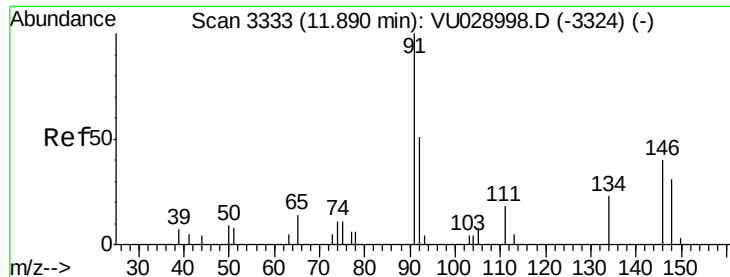
Tot Ion:146 Resp: 59496
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 65.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.441 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion:146 Resp: 59871
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.3
 148 65.2 32.6 98.0





#89

n-Butylbenzene

Concen: 19.307 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

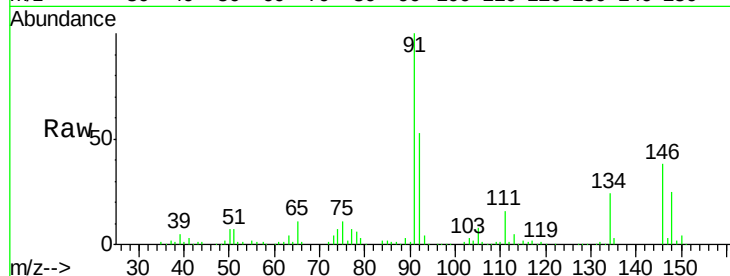
Tot Ion: 91 Resp: 96175

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

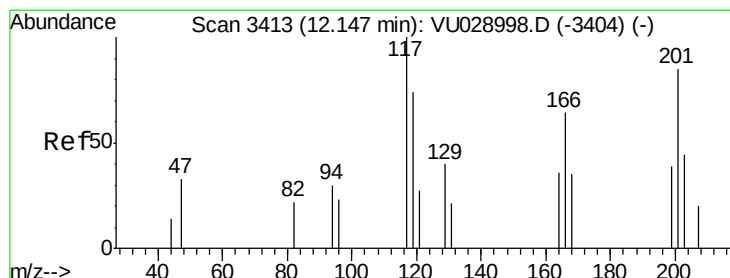
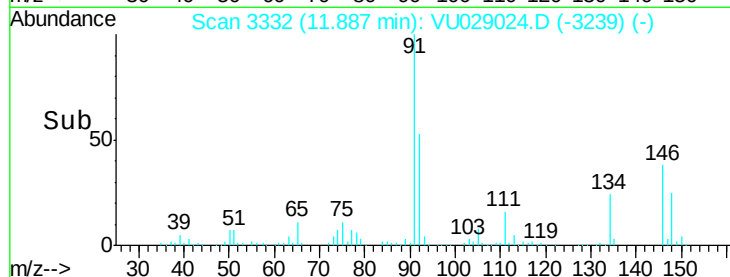
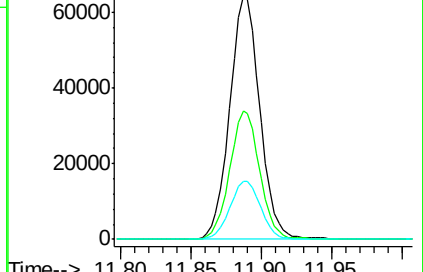
134 24.3 12.6 37.6



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

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

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



#90

Hexachloroethane

Concen: 18.503 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029024.D

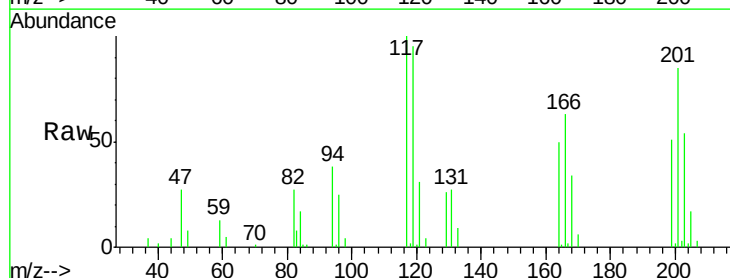
Acq: 04 Jan 2019 13:51

Tgt Ion: 117 Resp: 17373

Ion Ratio Lower Upper

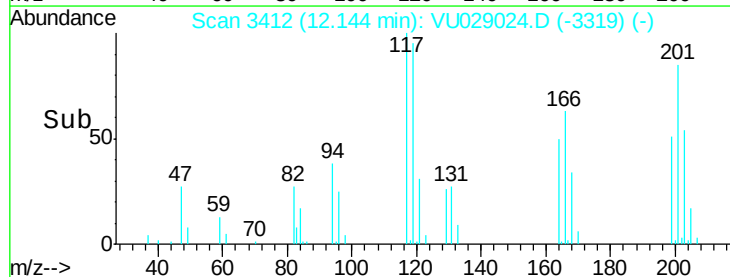
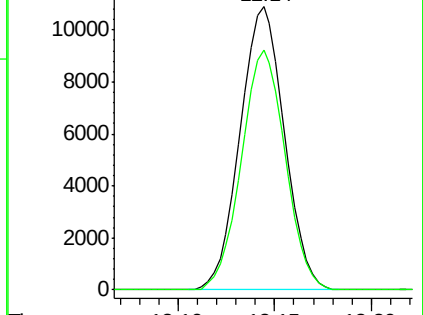
117 100

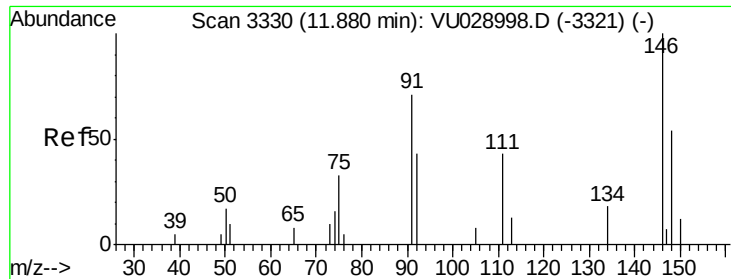
201 83.9 42.4 127.3



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

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

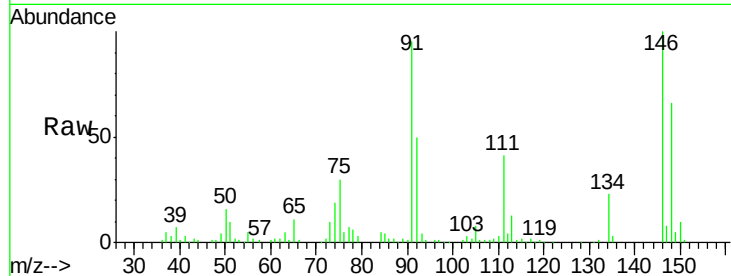




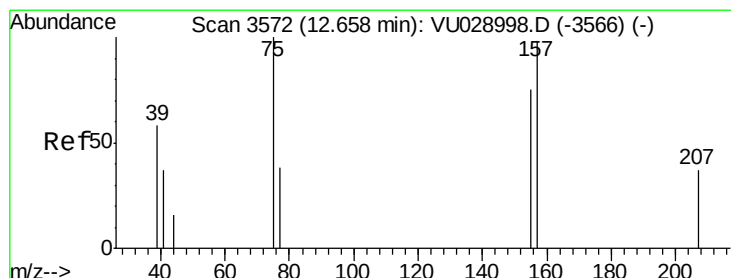
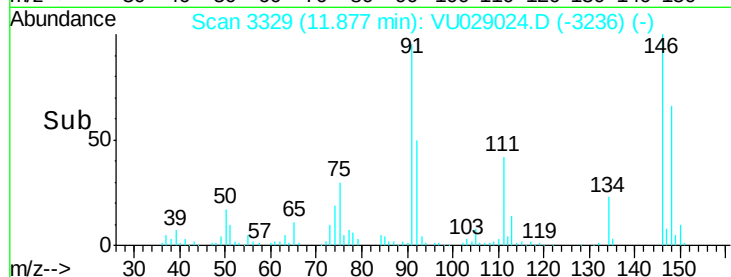
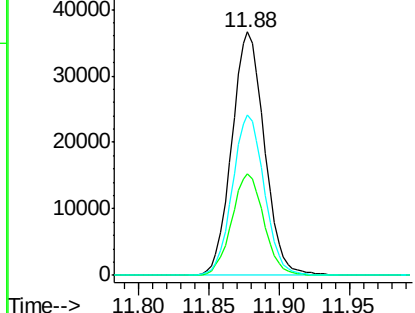
#91
 1,2-Dichlorobenzene
 Concen: 18.726 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion:146 Resp: 59323
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 64.5 31.6 94.8

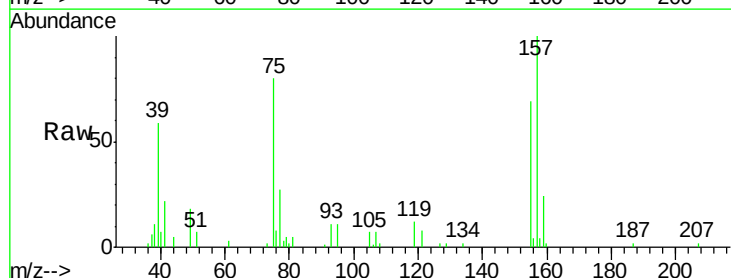


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

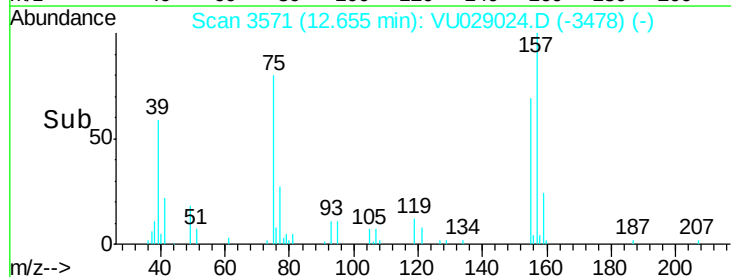
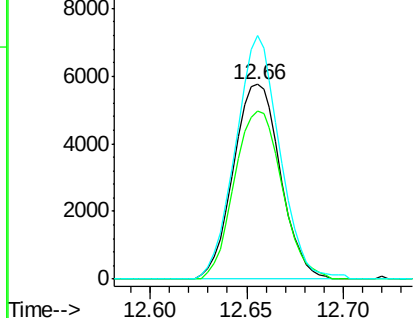


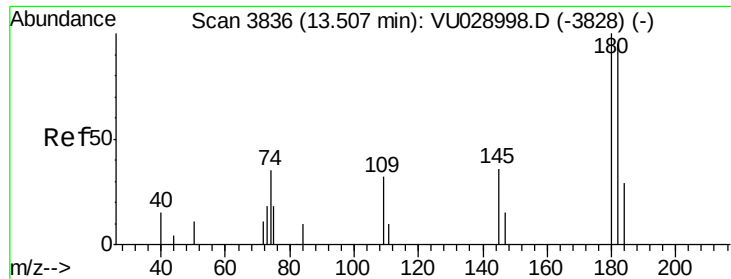
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 75 Resp: 9727
 Ion Ratio Lower Upper
 75 100
 155 87.6 46.3 138.8
 157 117.4 57.4 172.0



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

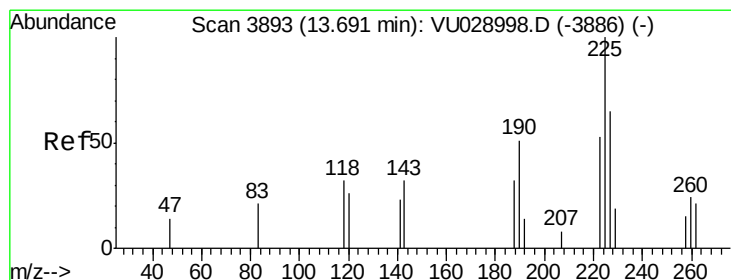
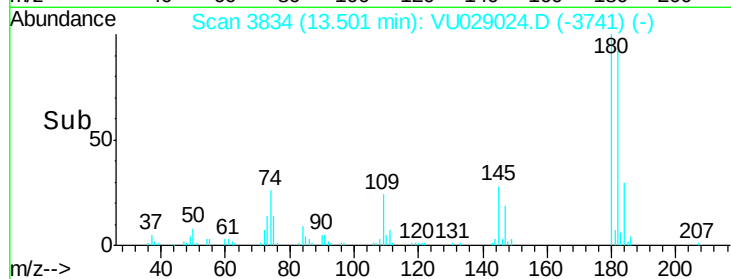
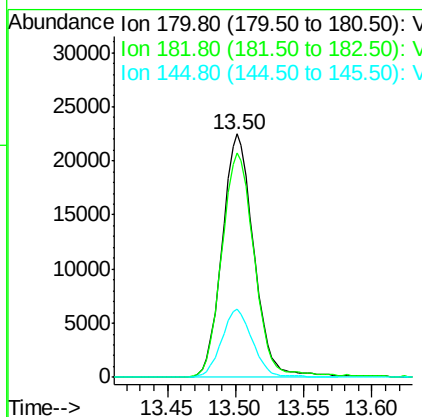
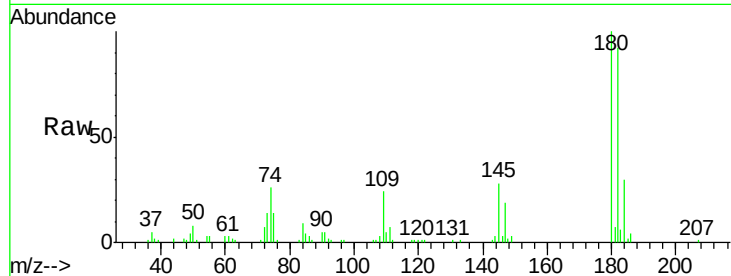




#93
 1,2,4-Trichlorobenzene
 Concen: 17.906 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

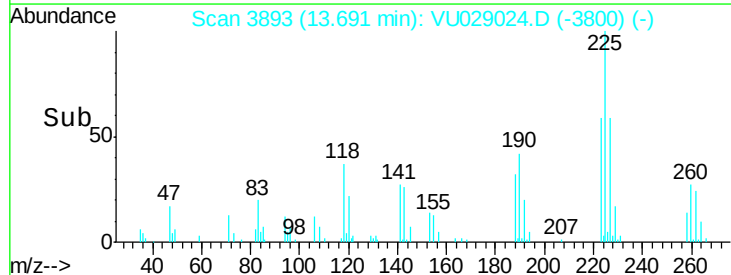
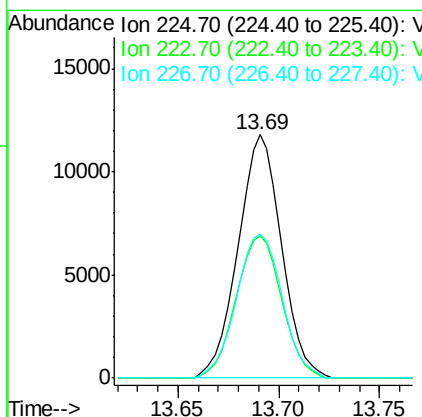
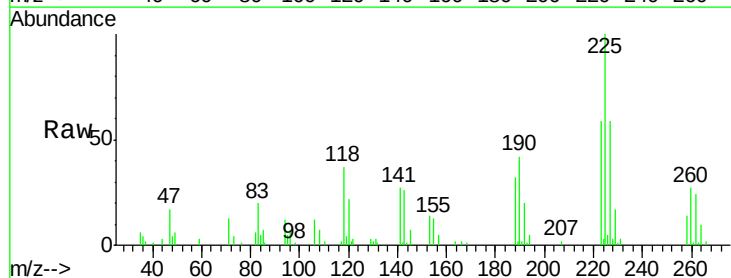
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

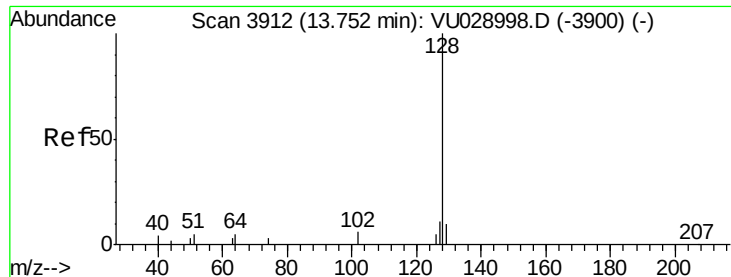
Tot Ion:180 Resp: 36210
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.6
 145 27.4 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 19.247 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion:225 Resp: 17803
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.4 94.0
 227 62.3 31.9 95.5

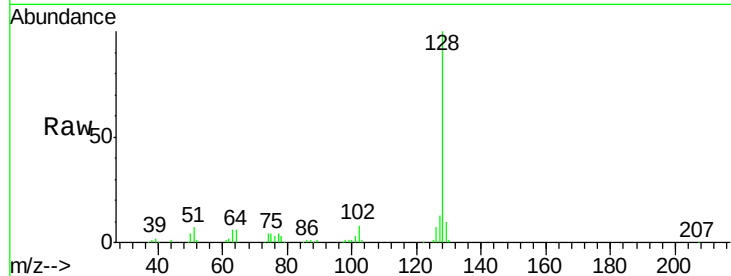




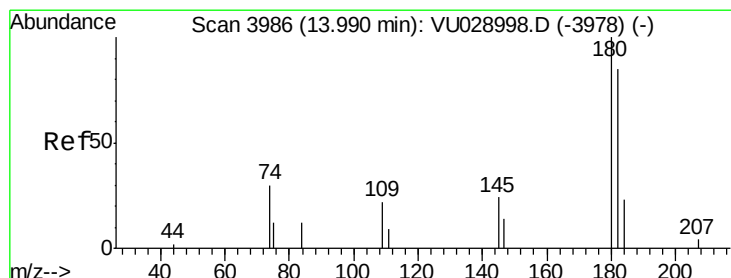
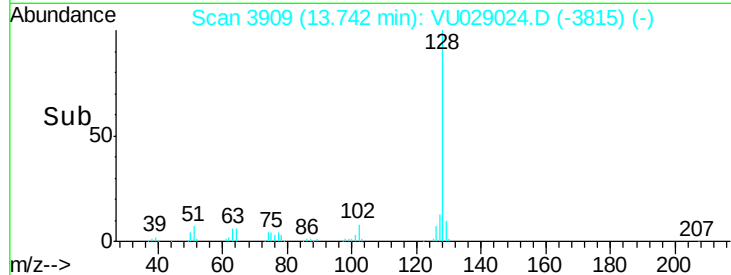
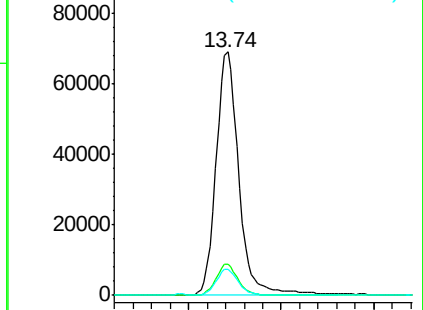
#95
Naphthalene
Concen: 17.148 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion:128 Resp: 117965
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.3 8.5 12.7

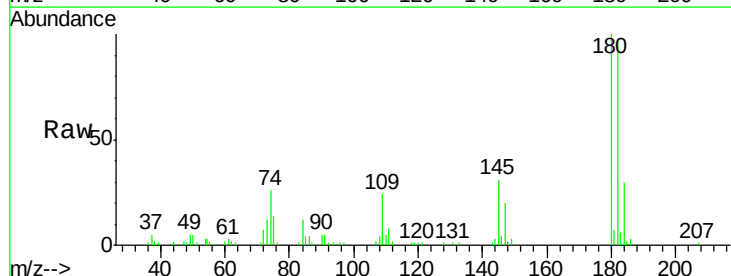


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.400 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:180 Resp: 37269
Ion Ratio Lower Upper
180 100
182 97.1 48.1 144.3
145 32.0 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

