

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029176.D
 Acq On : 15 Jan 2019 11:29
 Operator : JC/SP
 Sample : VU0115MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Quant Time: Jan 16 04:32:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196505	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	79498	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
35) Dibromofluoromethane	4.88	113	67827	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	7.56	98	261456	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	10.30	95	90554	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	22886	19.233	ug/l	99
3) Chloromethane	1.33	50	34186	17.546	ug/l	97
4) Vinyl Chloride	1.40	62	33750	19.246	ug/l	100
5) Bromomethane	1.62	94	20115	20.520	ug/l	99
6) Chloroethane	1.69	64	20649	19.769	ug/l	99
7) Trichlorofluoromethane	1.88	101	38252	20.019	ug/l	97
8) Diethyl Ether	2.10	74	17891	19.489	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23270	18.201	ug/l	99
10) Methyl Iodide	2.41	142	24597	20.461	ug/l	97
11) Tert butyl alcohol	2.83	59	39810	105.587	ug/l	100
12) 1,1-Dichloroethene	2.28	96	22884	18.389	ug/l	99
13) Acrolein	2.19	56	28269	99.850	ug/l	97
14) Allyl chloride	2.59	41	42315	18.532	ug/l	91
15) Acrylonitrile	2.93	53	98548	106.539	ug/l	99
16) Acetone	2.32	43	90247	96.580	ug/l	97
17) Carbon Disulfide	2.48	76	73741	17.532	ug/l	98
18) Methyl Acetate	2.61	43	48947	22.528	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	90095	20.592	ug/l	98
20) Methylene Chloride	2.70	84	30795	19.411	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27664	19.133	ug/l	98
22) Diisopropyl ether	3.57	45	94686	20.982	ug/l	97
23) Vinyl Acetate	3.52	43	379739	102.931	ug/l	100
24) 1,1-Dichloroethane	3.45	63	54859	21.058	ug/l	98
25) 2-Butanone	4.26	43	135142	107.079	ug/l	100
26) 2,2-Dichloropropane	4.22	77	43893	20.852	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	32112	20.307	ug/l	98
28) Bromochloromethane	4.55	49	24659	22.106	ug/l	97
29) Tetrahydrofuran	4.63	42	84509	110.401	ug/l	99
30) Chloroform	4.67	83	51832	20.889	ug/l	99
31) Cyclohexane	4.99	56	49096	19.274	ug/l	92
32) 1,1,1-Trichloroethane	4.91	97	42675	20.814	ug/l	100
36) 1,1-Dichloropropene	5.13	75	37470	19.077	ug/l	99
37) Ethyl Acetate	4.38	43	44595	20.684	ug/l	98
38) Carbon Tetrachloride	5.13	117	33963	20.732	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029176.D
 Acq On : 15 Jan 2019 11:29
 Operator : JC/SP
 Sample : VU0115MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Quant Time: Jan 16 04:32:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	45502	18.844	ug/l	98
40) Benzene	5.39	78	123859	20.216	ug/l	98
41) Methacrylonitrile	4.54	41	24719	21.419	ug/l	99
42) 1,2-Dichloroethane	5.40	62	39442	21.424	ug/l	99
43) Isopropyl Acetate	5.55	43	71540	21.631	ug/l	99
44) Trichloroethene	6.18	130	29757	19.602	ug/l	98
45) 1,2-Dichloropropane	6.43	63	33771	20.873	ug/l	98
46) Dibromomethane	6.56	93	21290	20.584	ug/l	99
47) Bromodichloromethane	6.76	83	40464	21.249	ug/l	98
48) Methyl methacrylate	6.62	41	34871	21.654	ug/l	98
49) 1,4-Dioxane	6.61	88	16498	432.295	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	242809	107.878	ug/l	99
52) Toluene	7.64	92	76614	20.541	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	45669	19.964	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	50700	20.511	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	32459	21.723	ug/l	94
56) Ethyl methacrylate	8.02	69	46664	20.271	ug/l	99
57) 1,3-Dichloropropane	8.24	76	53201	20.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	92100	90.974	ug/l	99
59) 2-Hexanone	8.36	43	188187	106.514	ug/l	99
60) Dibromochloromethane	8.48	129	30173	20.383	ug/l	98
61) 1,2-Dibromoethane	8.58	107	32754	20.212	ug/l	98
64) Tetrachloroethene	8.22	164	26957	20.601	ug/l	99
65) Chlorobenzene	9.12	112	81279	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27756	21.005	ug/l	99
67) Ethyl Benzene	9.25	91	136919	20.141	ug/l	98
68) m/p-Xylenes	9.37	106	106402	40.282	ug/l	98
69) o-Xylene	9.78	106	51774	20.343	ug/l	98
70) Styrene	9.79	104	83447	20.000	ug/l	99
71) Bromoform	9.95	173	23937	20.344	ug/l #	99
73) Isopropylbenzene	10.16	105	135762	20.871	ug/l	100
74) N-amyl acetate	10.01	43	59253	21.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	54153	20.772	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	60241	27.977	ug/l	82
77) Bromobenzene	10.45	156	35100	20.706	ug/l	99
78) n-propylbenzene	10.58	91	160110	20.886	ug/l	99
79) 2-Chlorotoluene	10.66	91	94856	20.398	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	112545	20.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	60241	72.153	ug/l #	100
82) 4-Chlorotoluene	10.77	91	106972	20.061	ug/l	100
83) tert-Butylbenzene	11.10	119	110488	20.637	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	113287	20.889	ug/l	100
85) sec-Butylbenzene	11.32	105	138857	21.445	ug/l	100
86) p-Isopropyltoluene	11.47	119	115179	20.875	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	61214	19.687	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	62073	19.340	ug/l	99
89) n-Butylbenzene	11.89	91	104095	21.138	ug/l	99
90) Hexachloroethane	12.14	117	18416	19.840	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	62285	19.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10916	21.770	ug/l	96

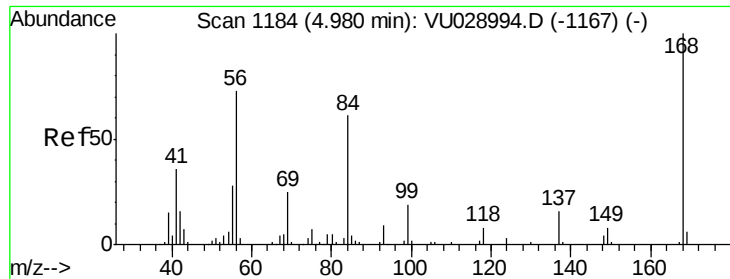
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
Data File : VU029176.D
Acq On : 15 Jan 2019 11:29
Operator : JC/SP
Sample : VU0115MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Quant Time: Jan 16 04:32:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	38960	19.488	ug/l	98
94) Hexachlorobutadiene	13.69	225	19450	21.270	ug/l	98
95) Naphthalene	13.74	128	127841	18.798	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	40905	20.343	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

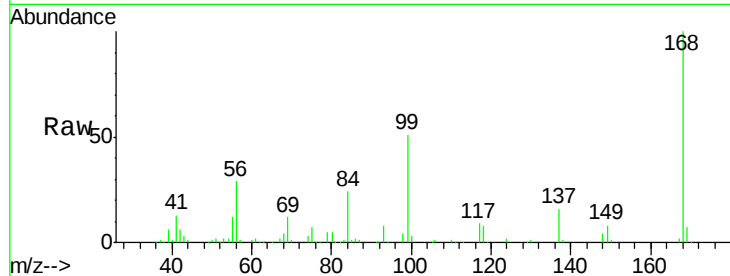
VU0115MBS01

Tot Ion:168 Resp: 119990

Ion Ratio Lower Upper

168 100

99 50.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

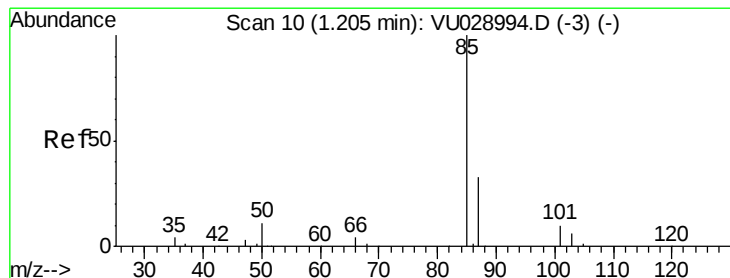
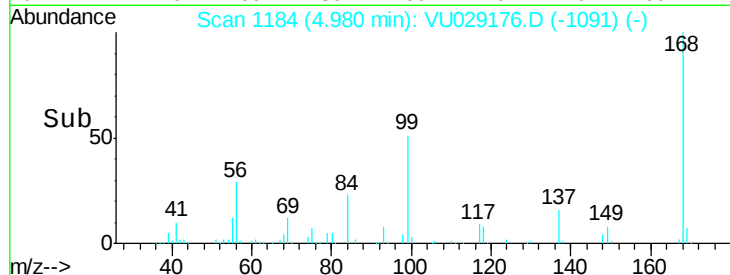
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.233 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029176.D

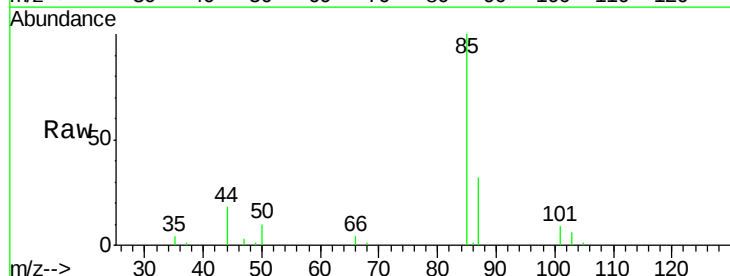
Acq: 15 Jan 2019 11:29

Tgt Ion: 85 Resp: 22886

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

25000

20000

15000

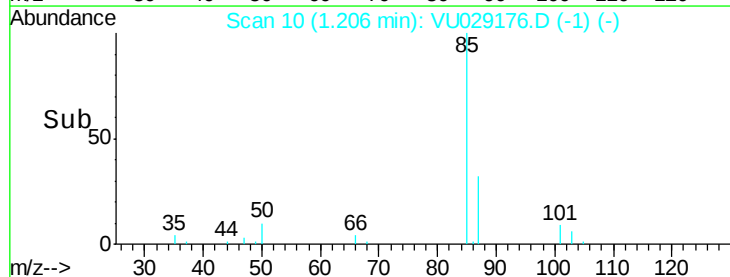
10000

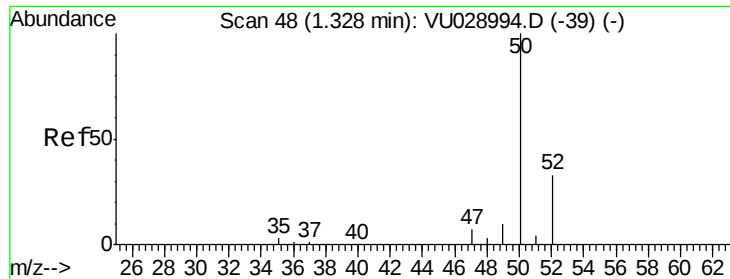
5000

0

1.20 1.25

Time-->

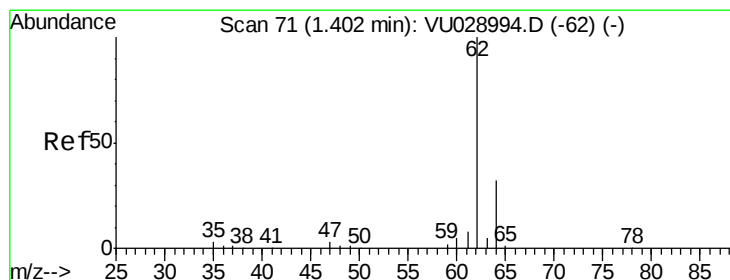
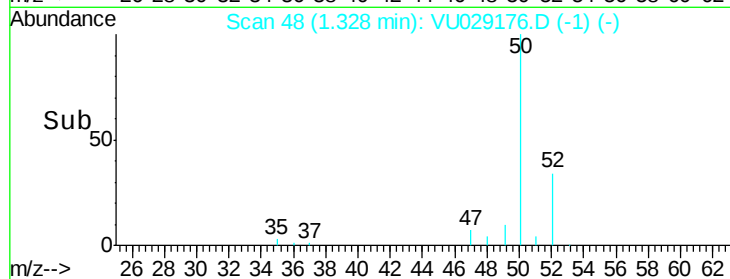
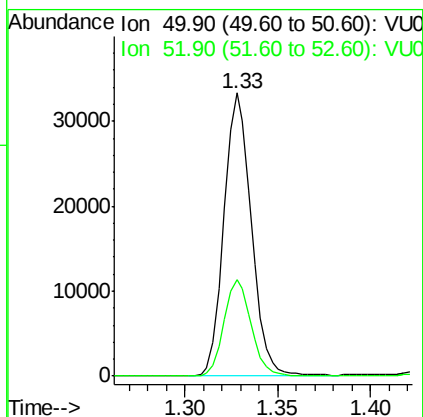
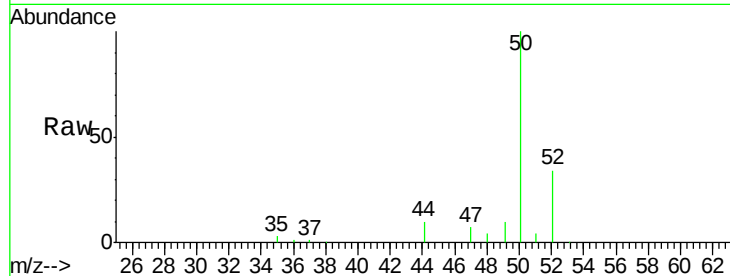




#3
Chloromethane
Concen: 17.546 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

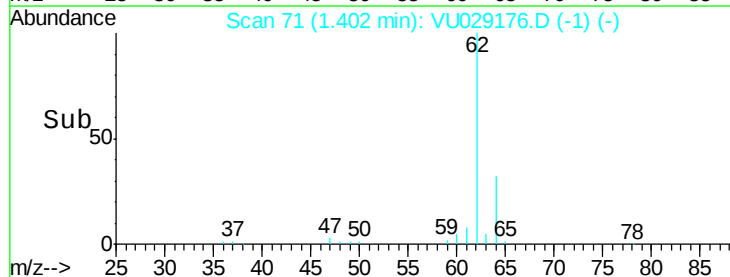
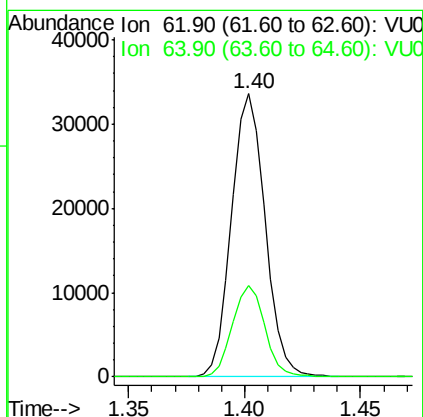
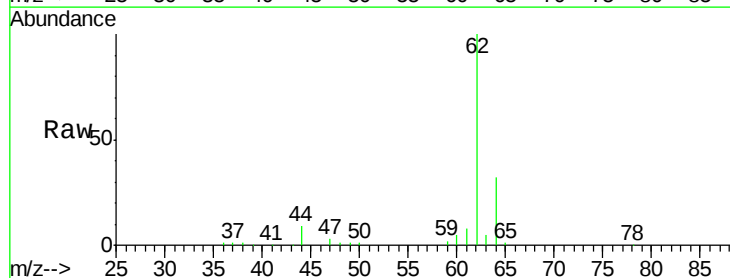
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 50 Resp: 34186
Ion Ratio Lower Upper
50 100
52 34.3 26.1 39.1



#4
Vinyl Chloride
Concen: 19.246 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 62 Resp: 33750
Ion Ratio Lower Upper
62 100
64 32.3 25.9 38.9





#5

Bromomethane

Concen: 20.520 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

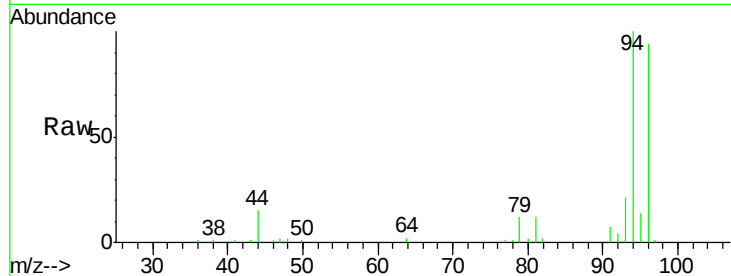
VU0115MBS01

Tot Ion: 94 Resp: 20115

Ion Ratio Lower Upper

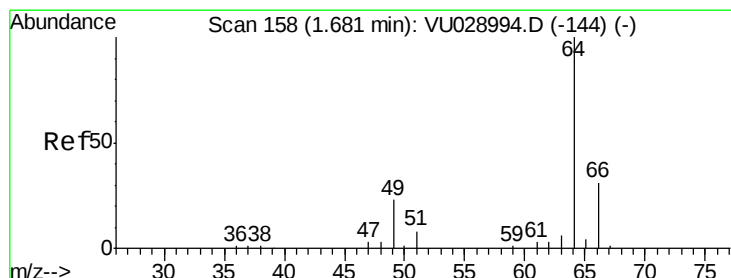
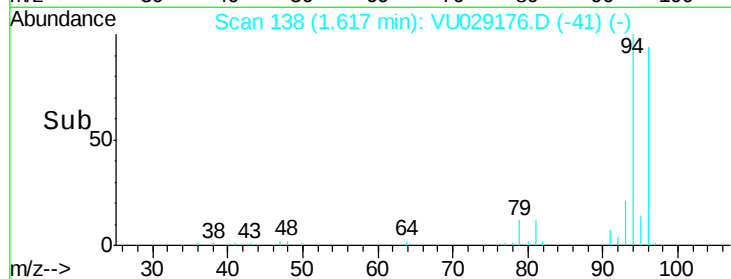
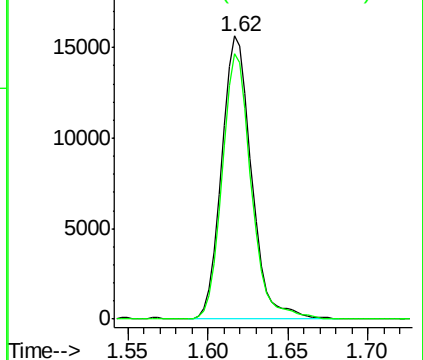
94 100

96 93.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.769 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029176.D

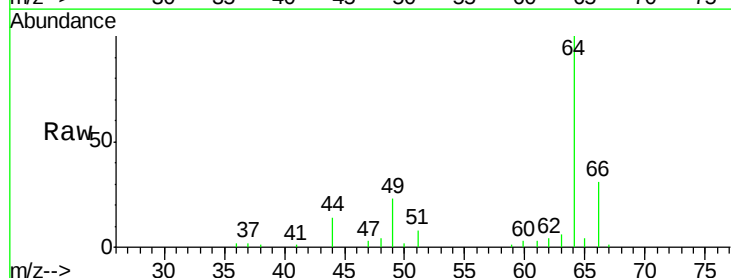
Acq: 15 Jan 2019 11:29

Tgt Ion: 64 Resp: 20649

Ion Ratio Lower Upper

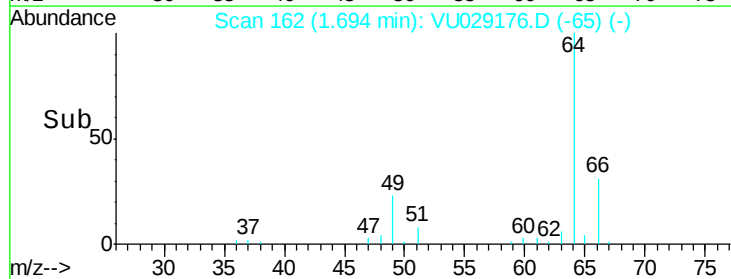
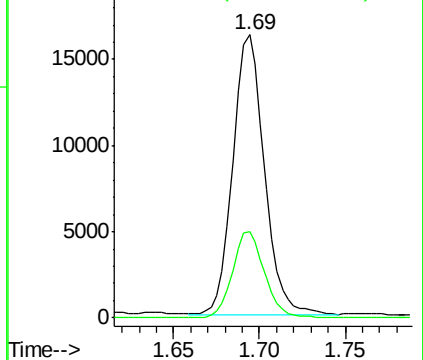
64 100

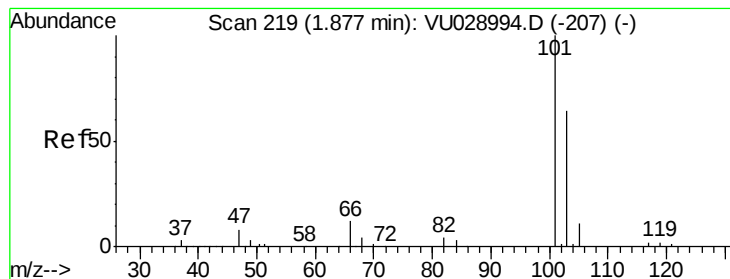
66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



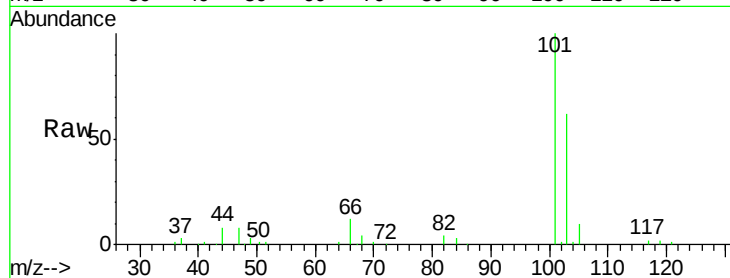


#7

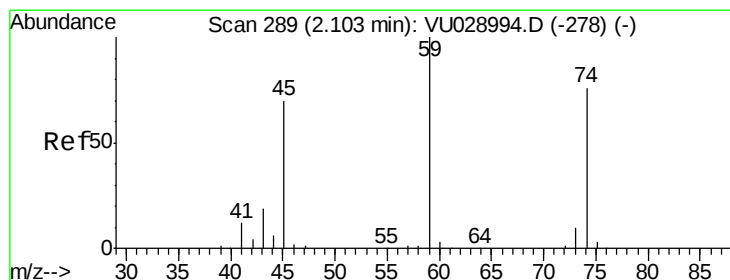
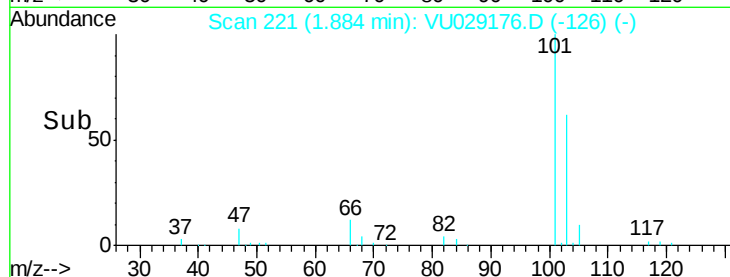
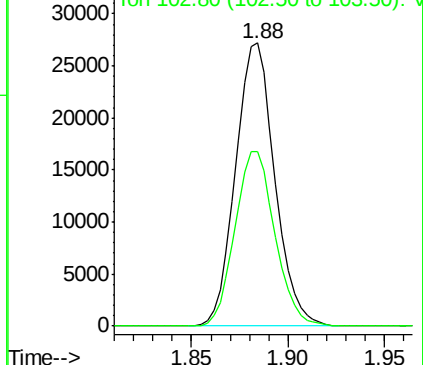
Trichlorofluoromethane
Concen: 20.019 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:101 Resp: 38252
Ion Ratio Lower Upper
101 100
103 61.8 51.5 77.3



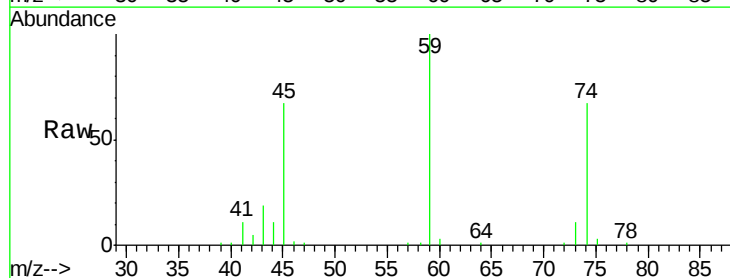
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



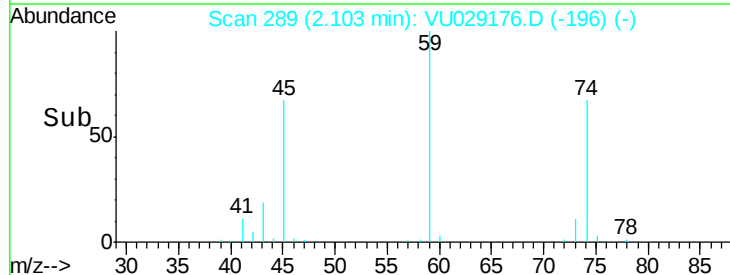
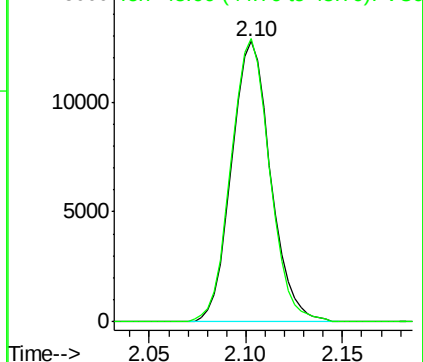
#8

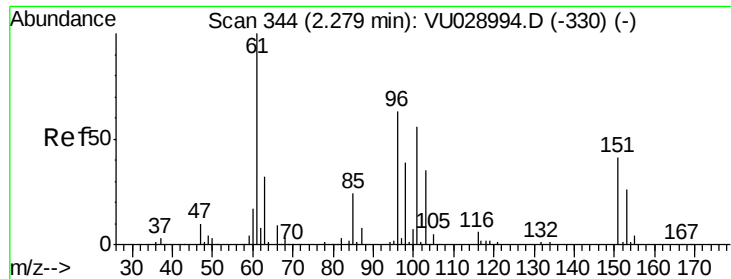
Diethyl Ether
Concen: 19.489 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 74 Resp: 17891
Ion Ratio Lower Upper
74 100
45 100.0 46.9 140.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.201 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

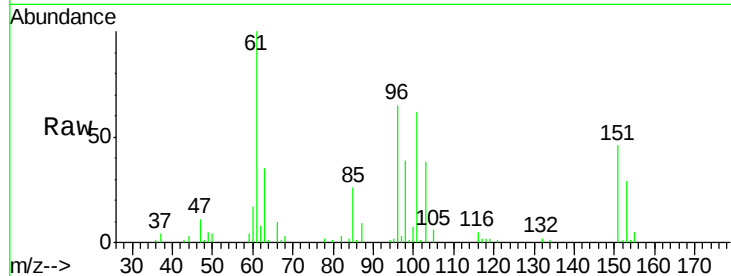
Tot Ion:101 Resp: 23270

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

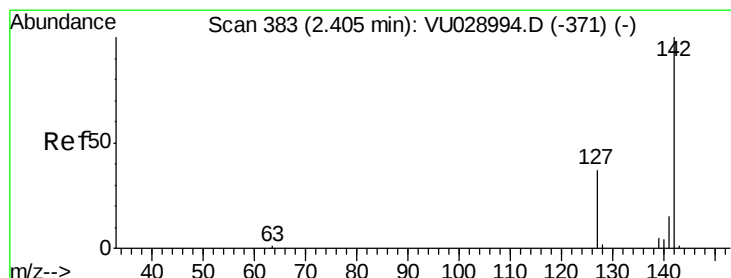
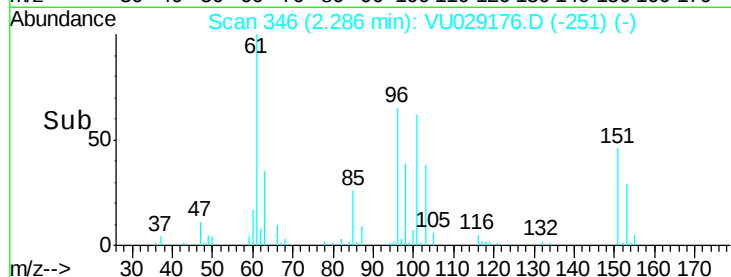
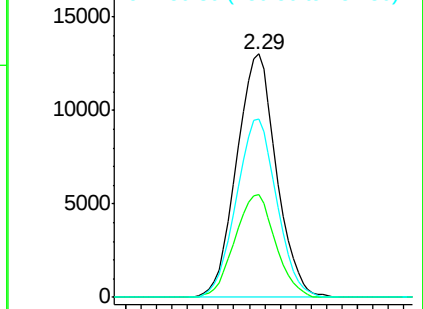
151 74.5 60.2 90.2



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: 20.461 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

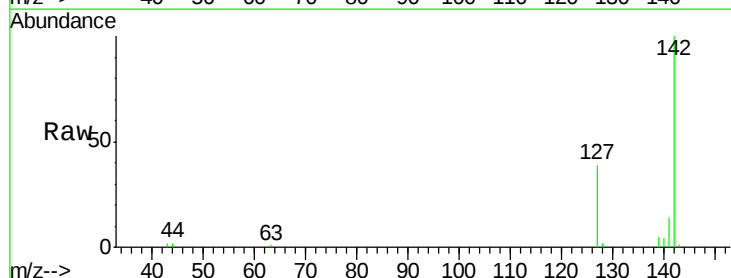
Tgt Ion:142 Resp: 24597

Ion Ratio Lower Upper

142 100

127 39.4 29.8 44.6

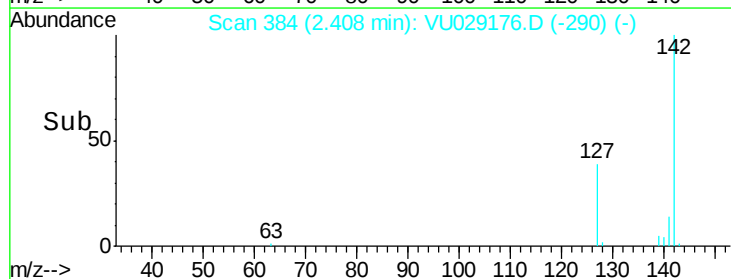
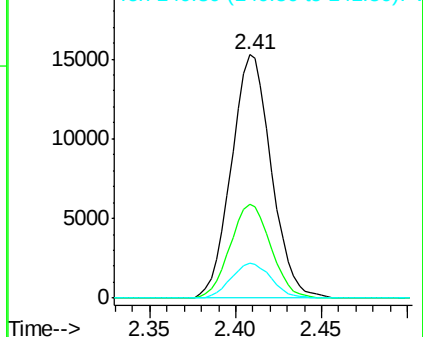
141 14.4 11.5 17.3



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



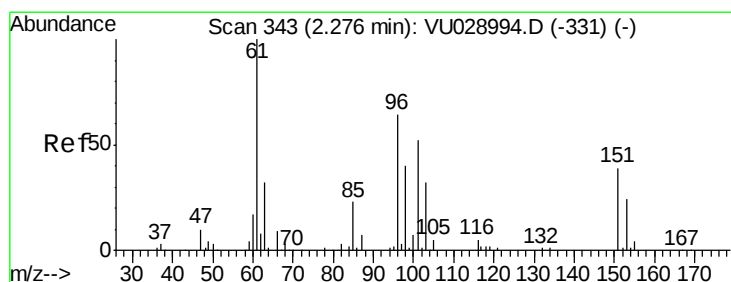
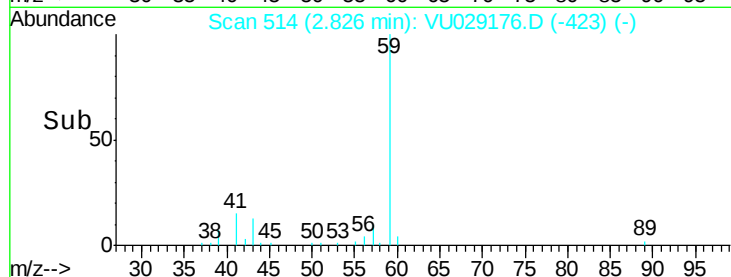
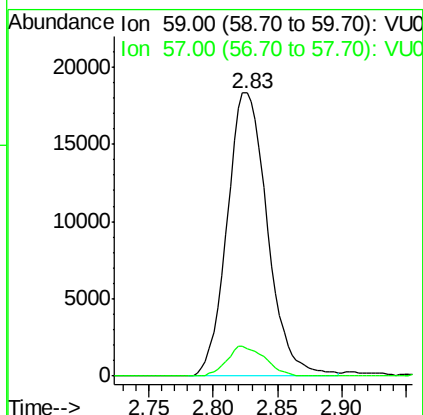
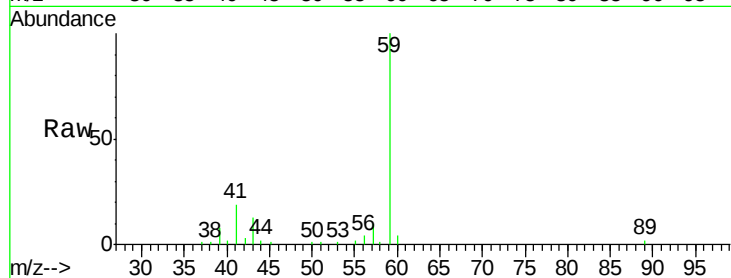


#11

Tert butyl alcohol
 Concen: 105.587 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

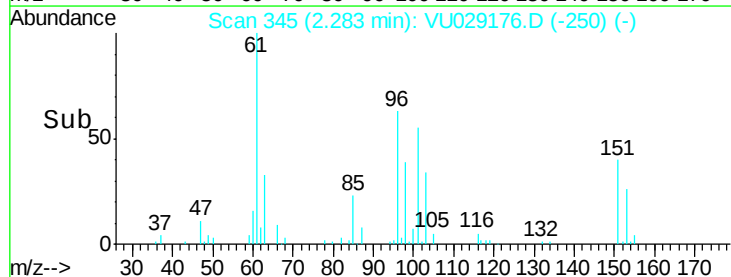
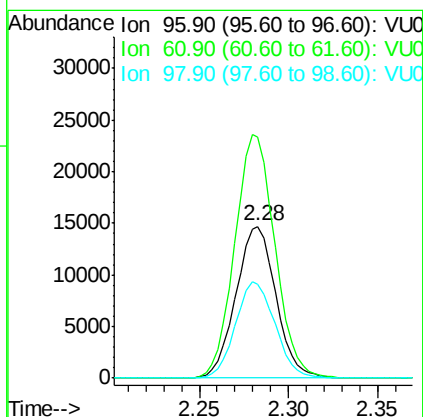
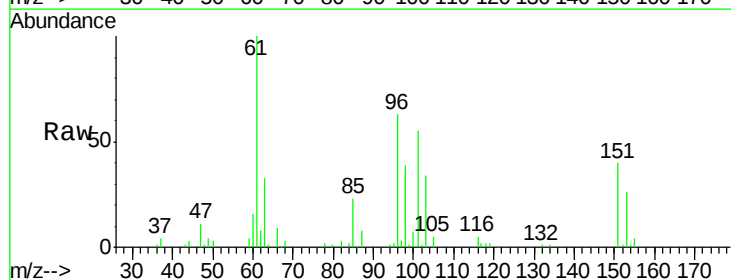
Tot Ion: 59 Resp: 39810
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.9 11.9

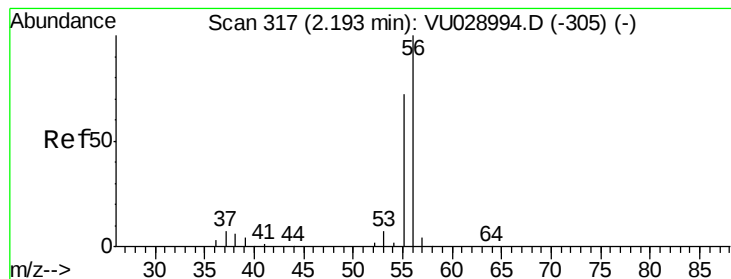


#12

1,1-Dichloroethene
 Concen: 18.389 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 96 Resp: 22884
 Ion Ratio Lower Upper
 96 100
 61 159.2 125.4 188.0
 98 62.0 49.7 74.5





#13

Acrolein

Concen: 99.850 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

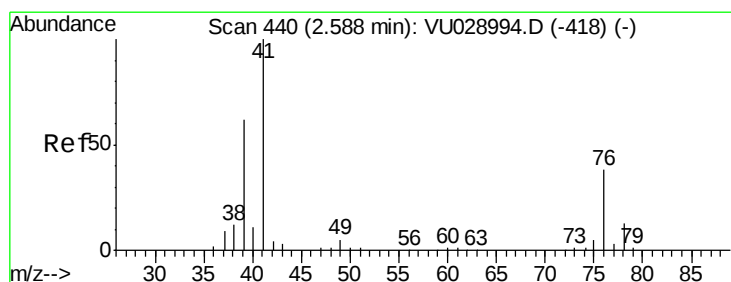
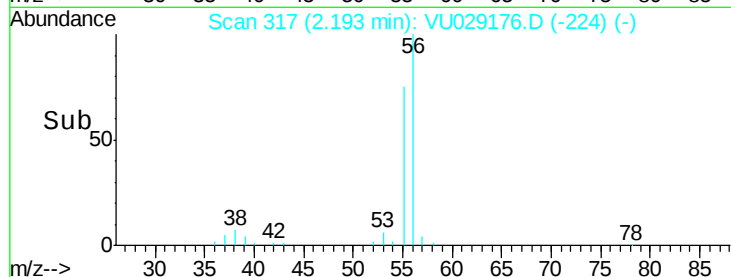
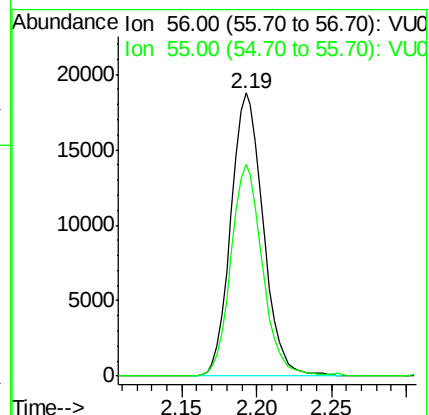
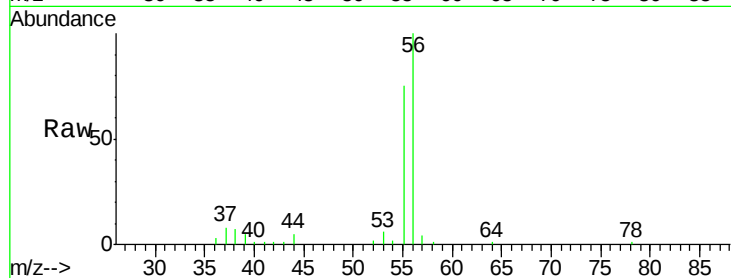
VU0115MBS01

Tot Ion: 56 Resp: 28269

Ion Ratio Lower Upper

56 100

55 72.8 56.5 84.7



#14

Allyl chloride

Concen: 18.532 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

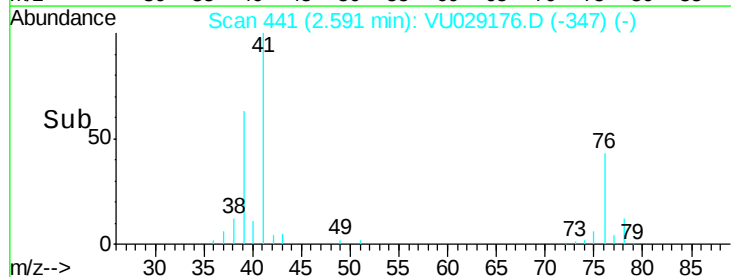
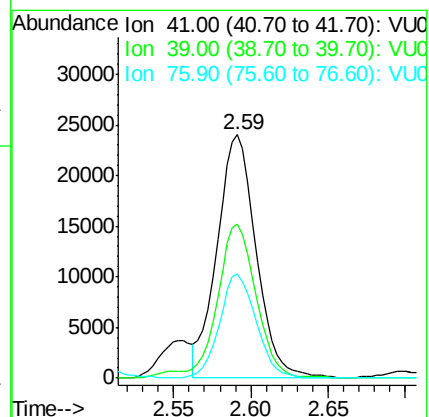
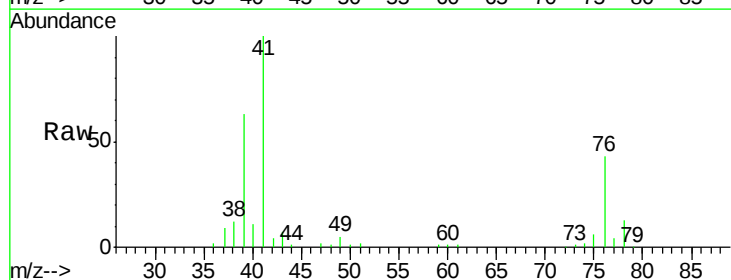
Tgt Ion: 41 Resp: 42315

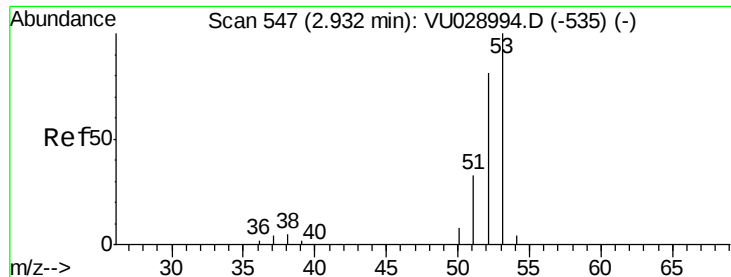
Ion Ratio Lower Upper

41 100

39 63.4 45.0 67.6

76 39.8 28.1 42.1





#15

Acrylonitrile

Concen: 106.539 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

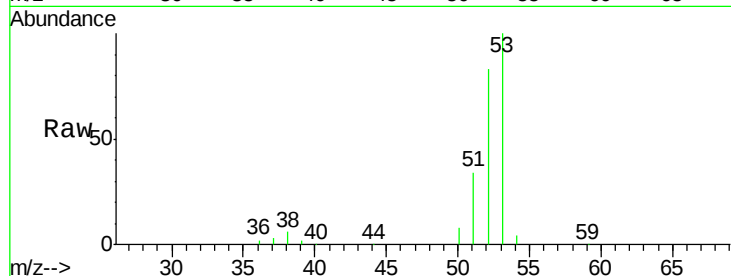
Tot Ion: 53 Resp: 98548

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

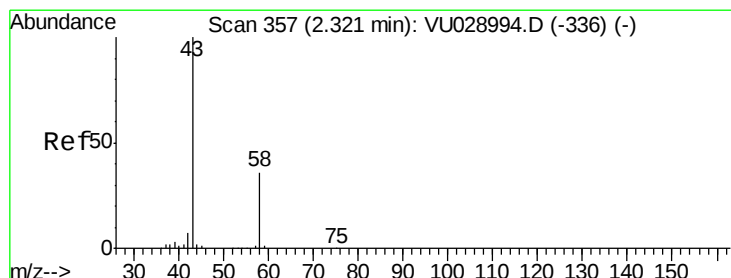
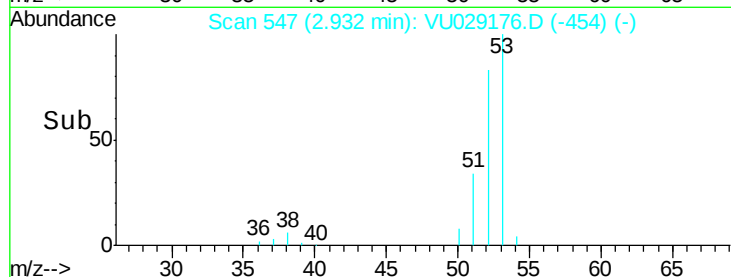
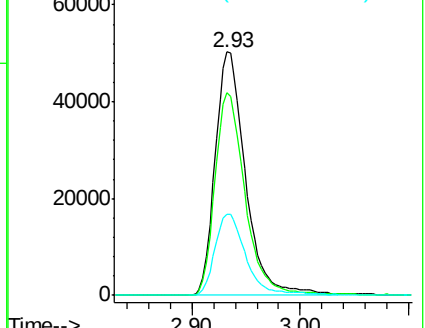
51 34.4 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 96.580 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029176.D

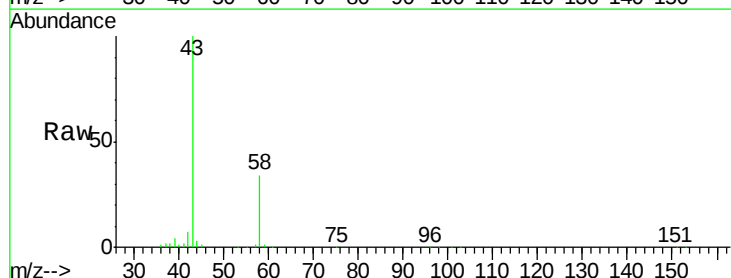
Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 90247

Ion Ratio Lower Upper

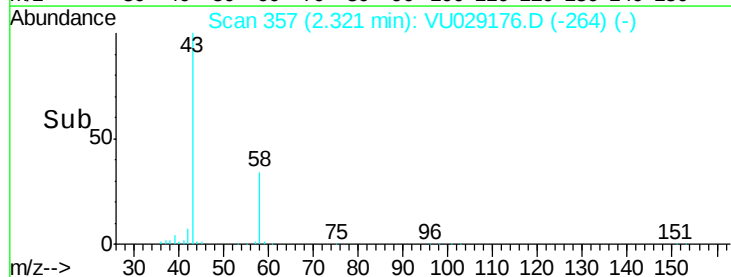
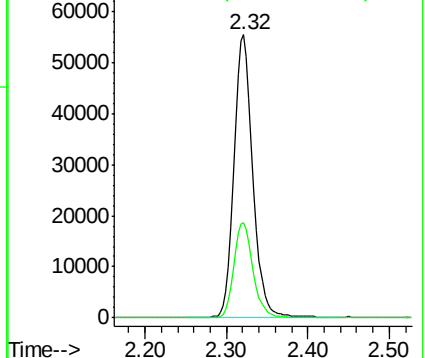
43 100

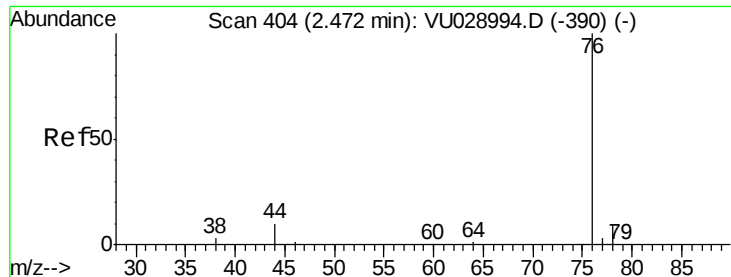
58 33.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.532 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

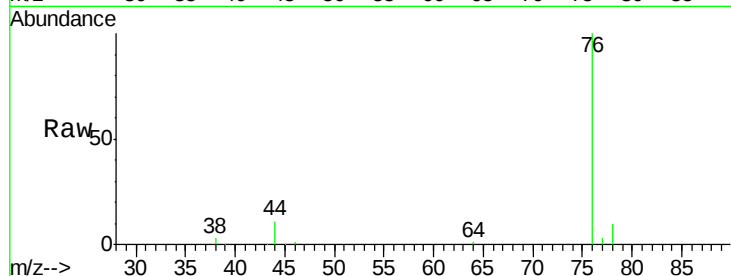
VU0115MBS01

Tot Ion: 76 Resp: 73741

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

50000

40000

30000

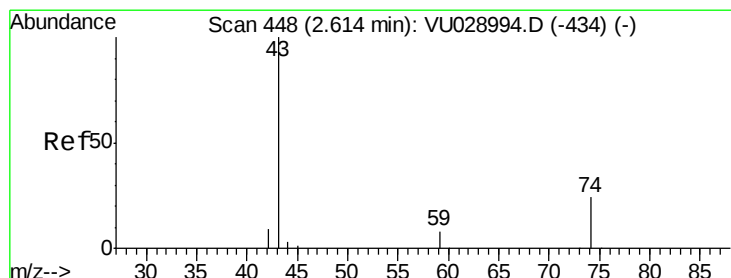
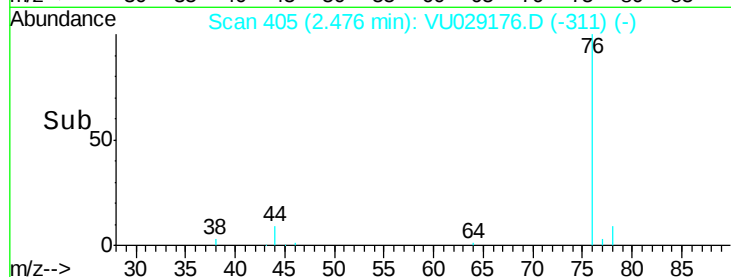
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 22.528 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029176.D

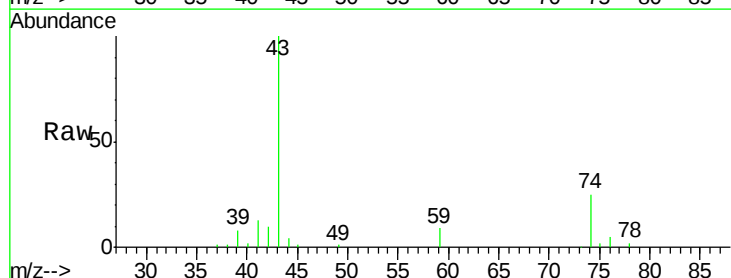
Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 48947

Ion Ratio Lower Upper

43 100

74 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

30000

25000

20000

15000

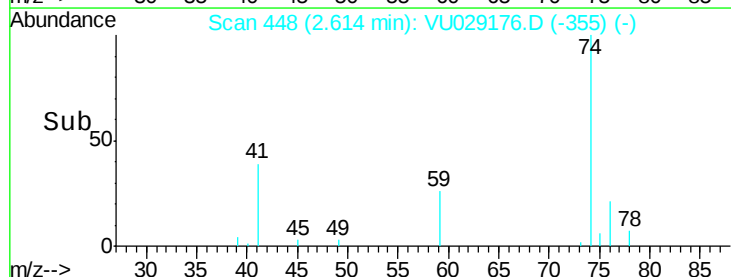
10000

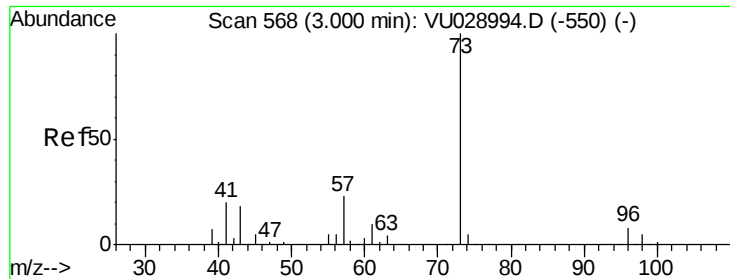
5000

0

Time-->

2.55 2.60 2.65 2.70

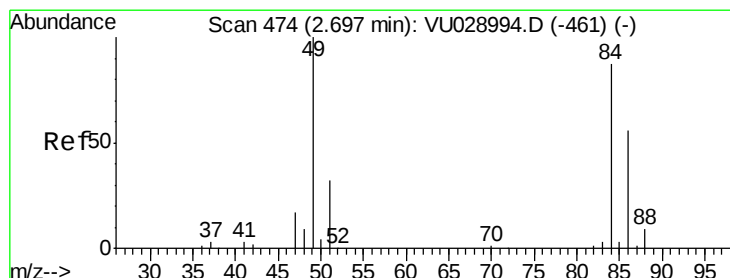
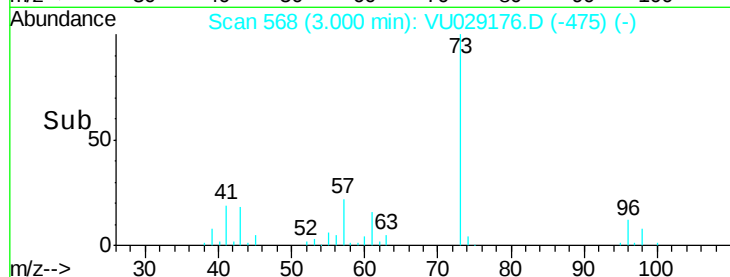
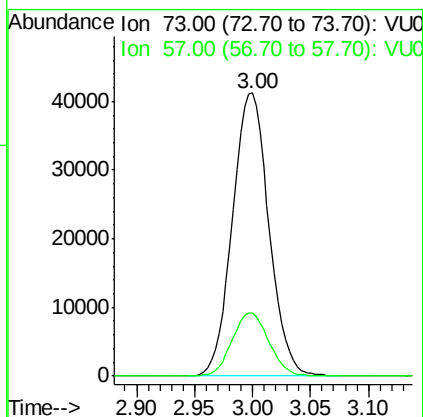
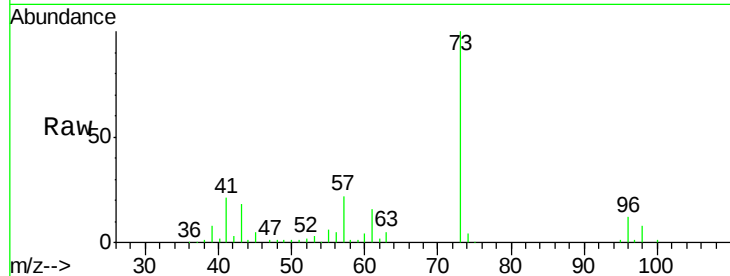




#19
Methyl tert-butyl Ether
Concen: 20.592 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

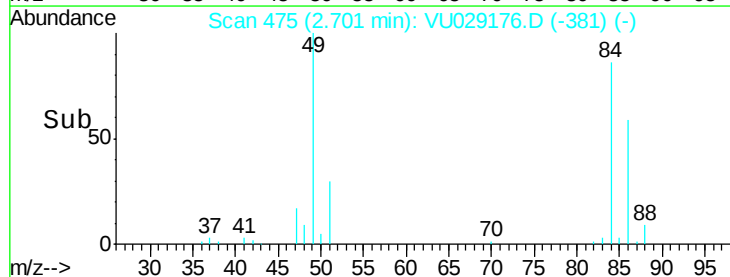
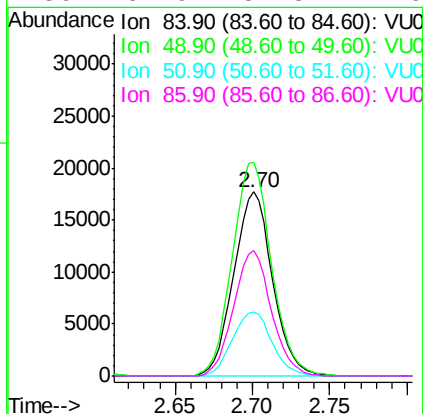
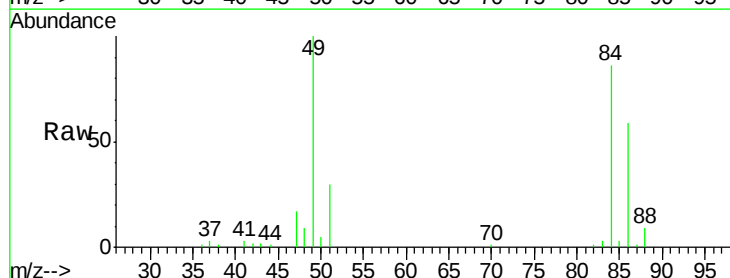
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

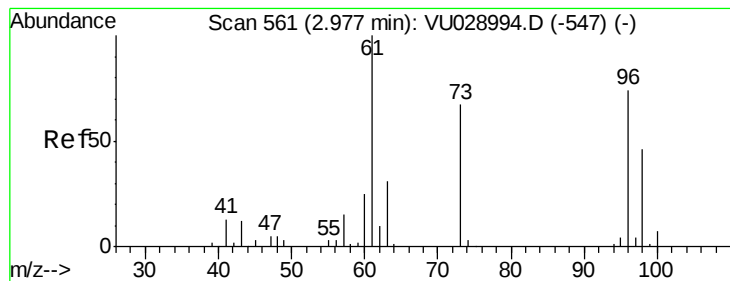
Tot Ion: 73 Resp: 90095
Ion Ratio Lower Upper
73 100
57 22.1 18.6 28.0



#20
Methylene Chloride
Concen: 19.411 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 84 Resp: 30795
Ion Ratio Lower Upper
84 100
49 115.9 91.9 137.9
51 34.7 29.2 43.8
86 67.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.133 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

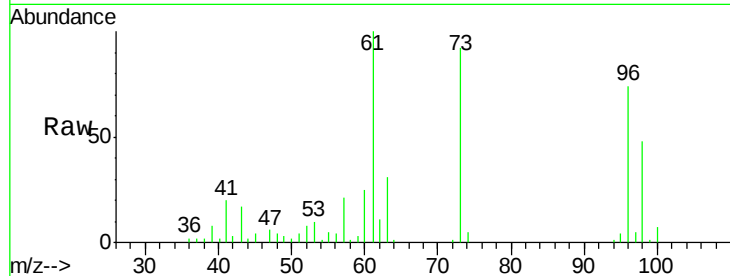
Tot Ion: 96 Resp: 27664

Ion Ratio Lower Upper

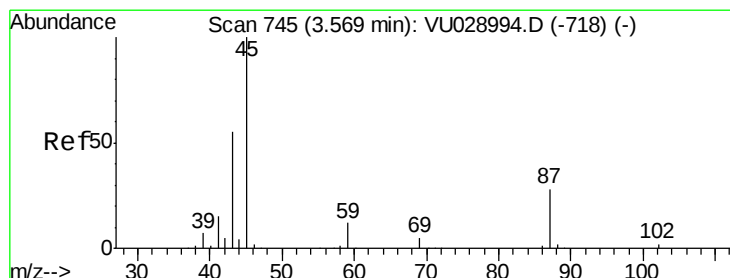
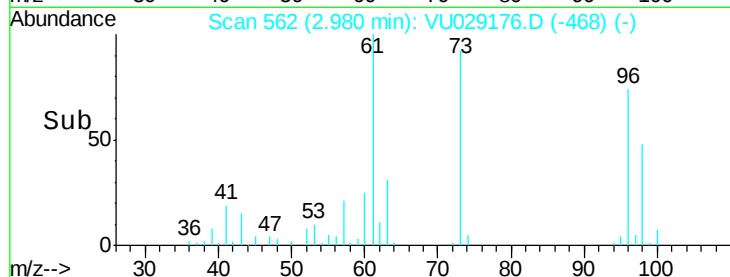
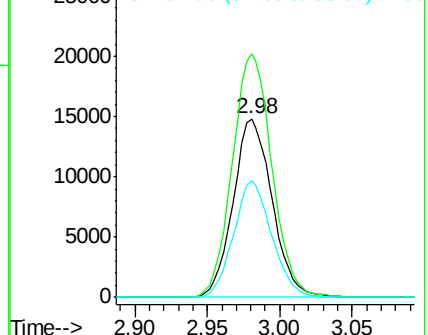
96 100

61 136.0 107.7 161.5

98 65.5 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: 20.982 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion: 45 Resp: 94686

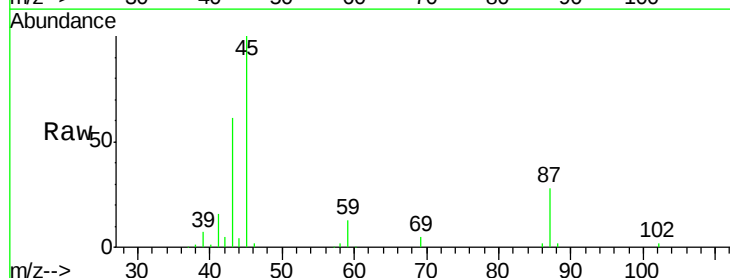
Ion Ratio Lower Upper

45 100

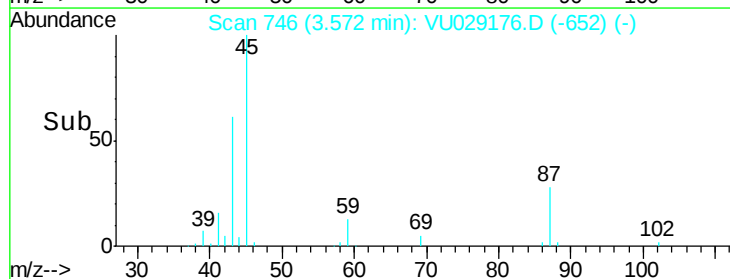
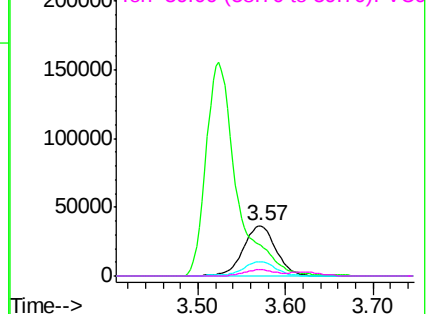
43 58.9 44.7 67.1

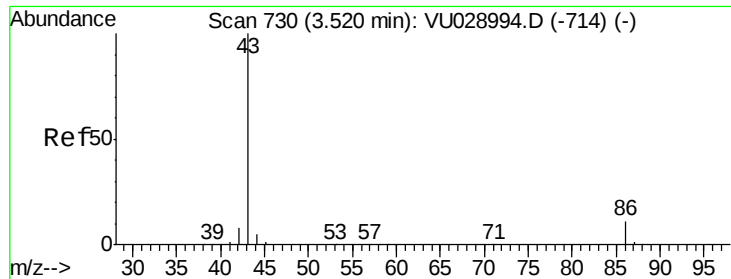
87 28.3 22.2 33.2

59 12.6 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: 102.931 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

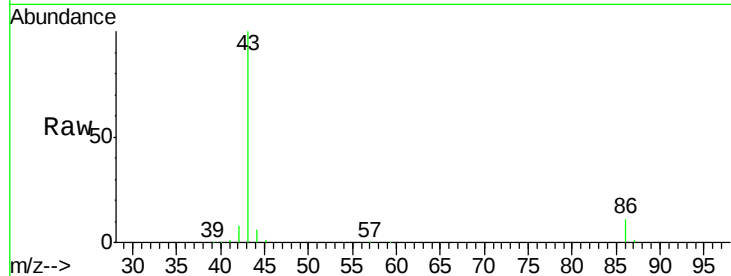
VU0115MBS01

Tot Ion: 43 Resp: 379739

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU028994.D (-714) (-)

3.52

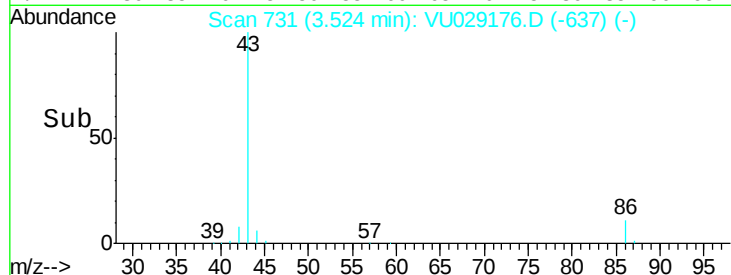
150000

100000

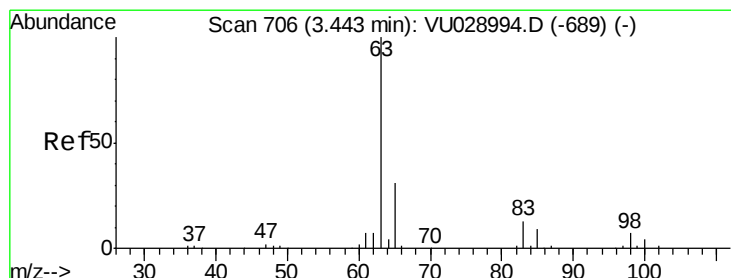
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 21.058 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

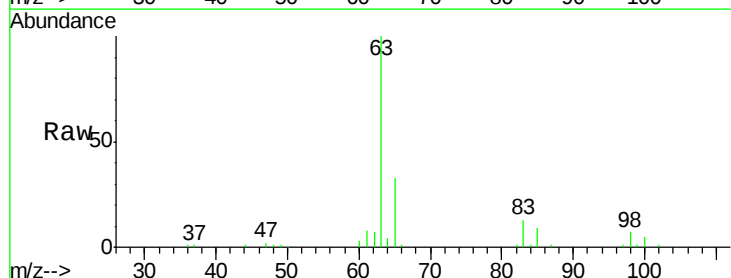
Tgt Ion: 63 Resp: 54859

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU028994.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU028994.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU028994.D (-689) (-)

3.45

30000

25000

20000

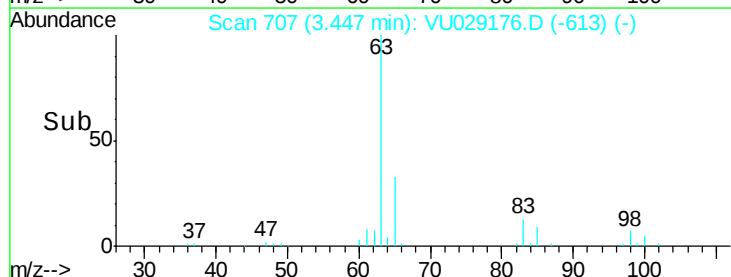
15000

10000

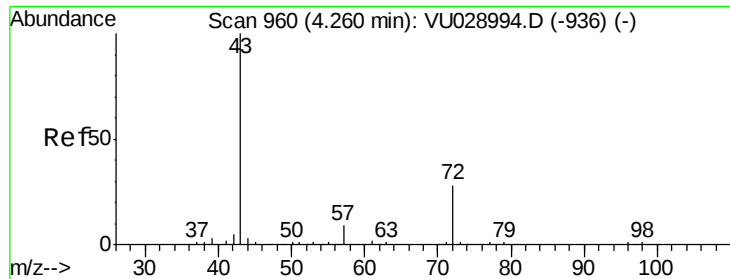
5000

0

Time-->



Time-->



#25

2-Butanone

Concen: 107.079 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

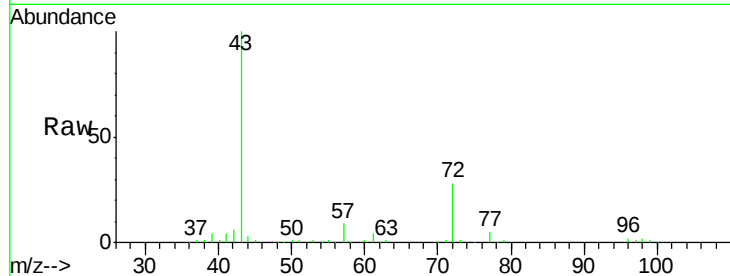
VU0115MBS01

Tot Ion: 43 Resp: 135142

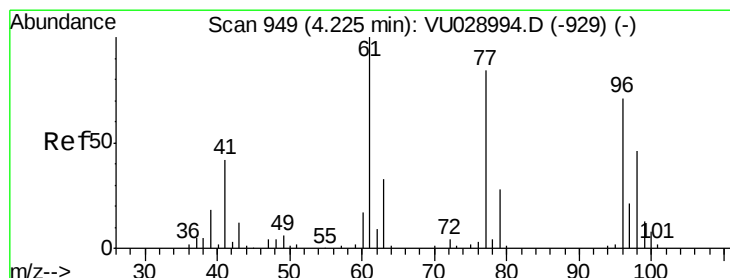
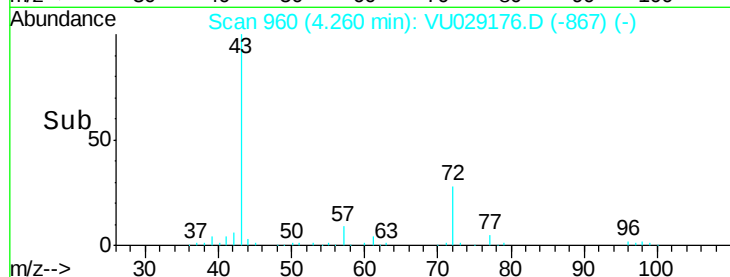
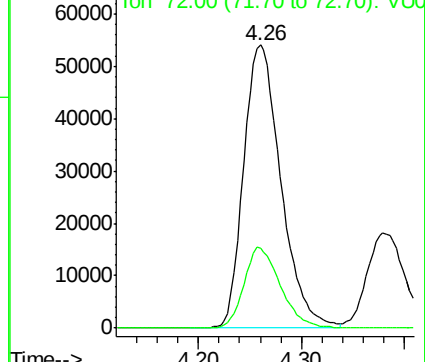
Ion Ratio Lower Upper

43 100

72 28.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)



#26

2,2-Dichloropropane

Concen: 20.852 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029176.D

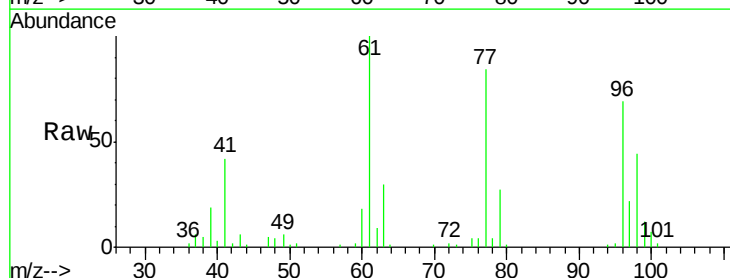
Acq: 15 Jan 2019 11:29

Tgt Ion: 77 Resp: 43893

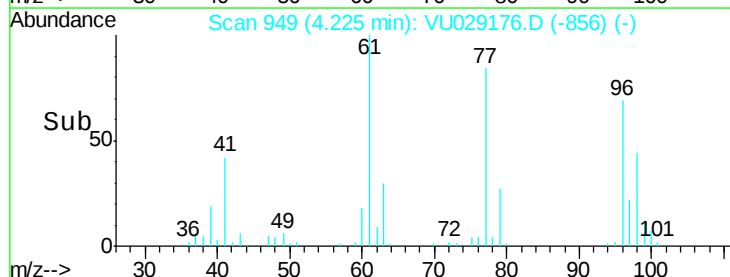
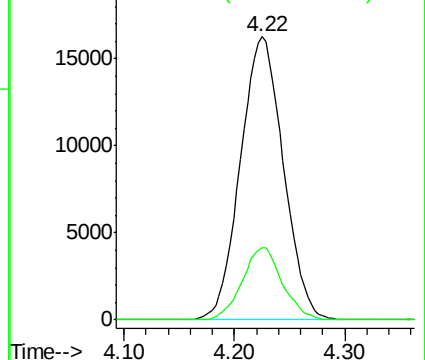
Ion Ratio Lower Upper

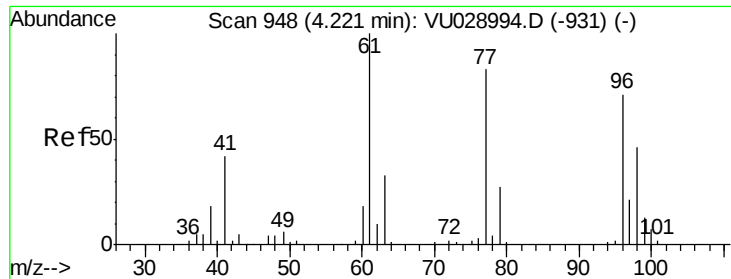
77 100

97 23.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)



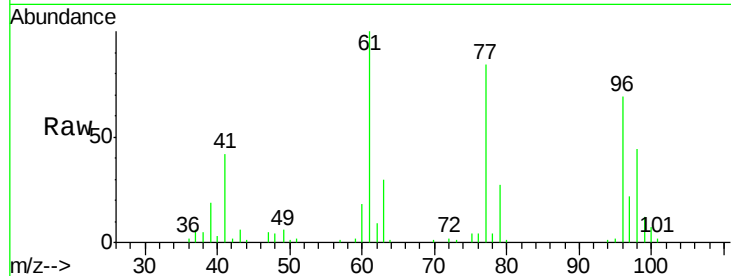


#27

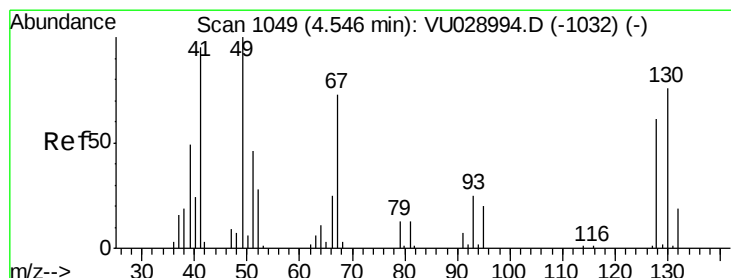
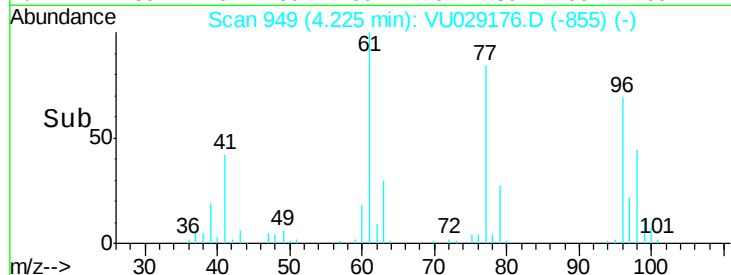
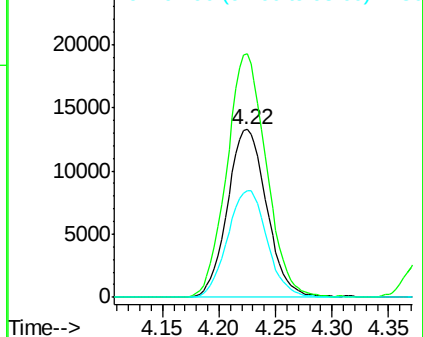
cis-1,2-Dichloroethene
Concen: 20.307 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 96 Resp: 32112
Ion Ratio Lower Upper
96 100
61 145.7 0.0 285.6
98 63.8 0.0 130.2



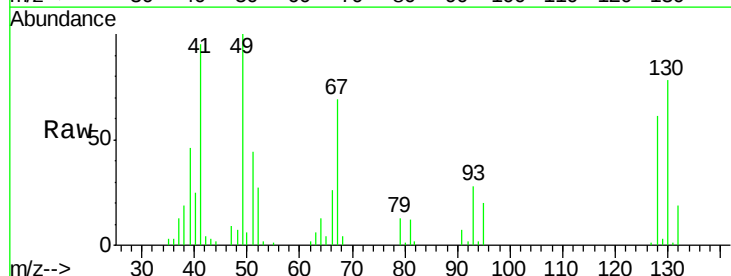
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



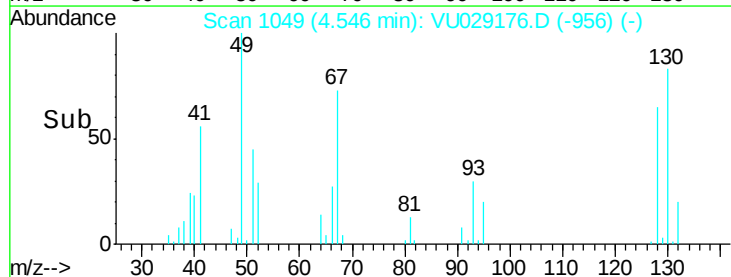
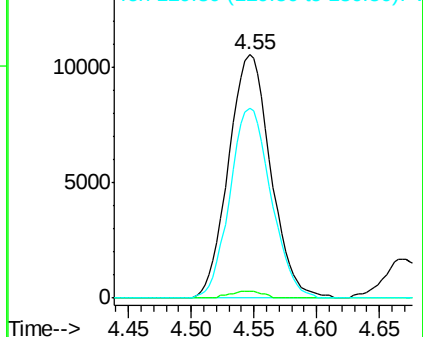
#28

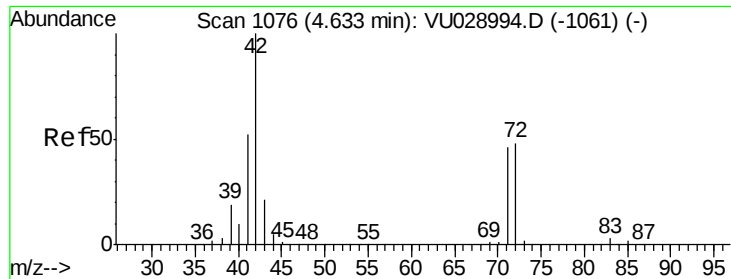
Bromochloromethane
Concen: 22.106 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 49 Resp: 24659
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.4
130 76.3 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

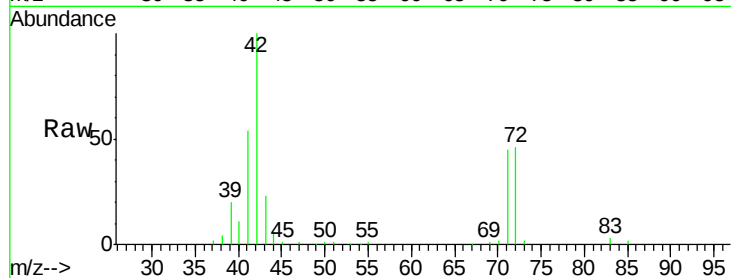




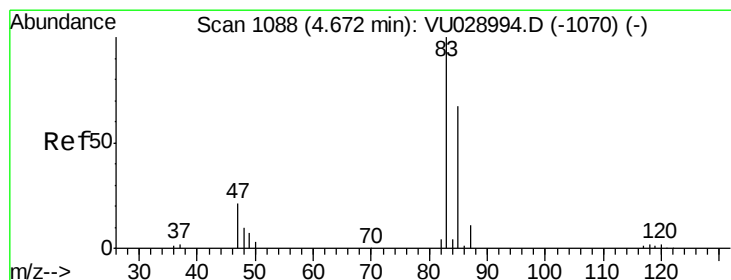
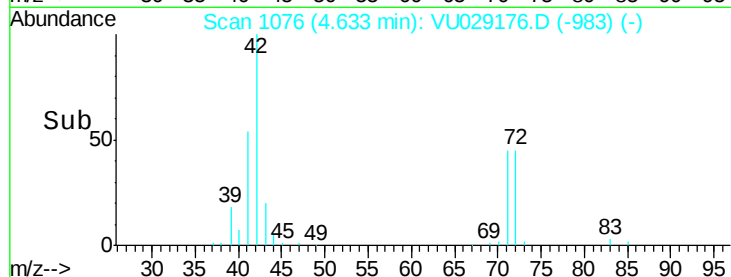
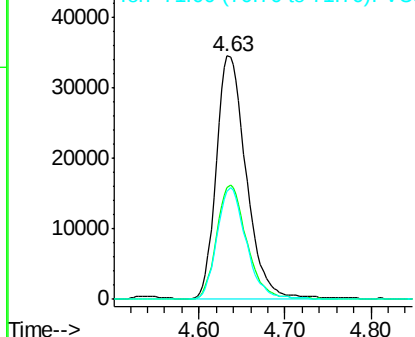
#29
Tetrahydrofuran
Concen: 110.401 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 42 Resp: 84509
Ion Ratio Lower Upper
42 100
72 47.0 38.3 57.5
71 44.2 36.1 54.1

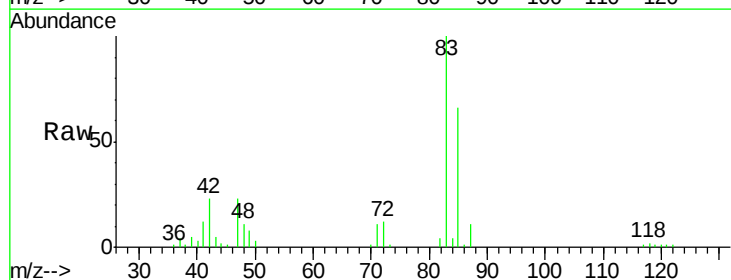


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

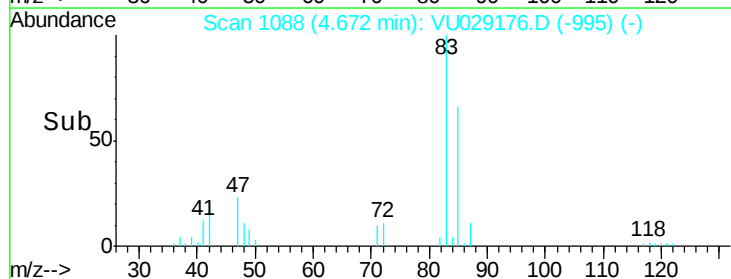
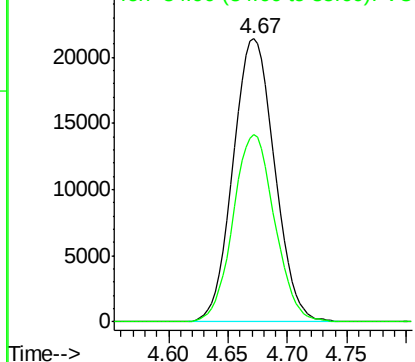


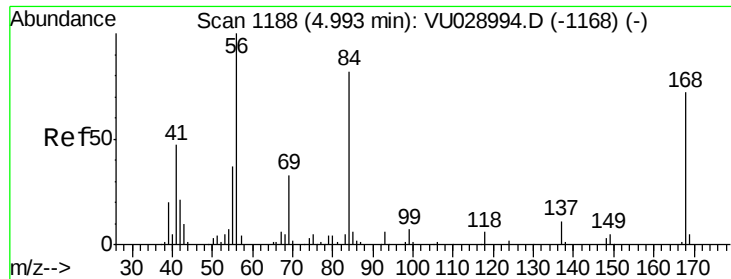
#30
Chloroform
Concen: 20.889 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 83 Resp: 51832
Ion Ratio Lower Upper
83 100
85 66.2 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.274 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

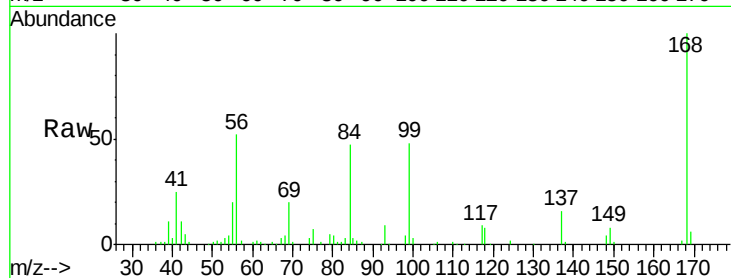
Tot Ion: 56 Resp: 49096

Ion Ratio Lower Upper

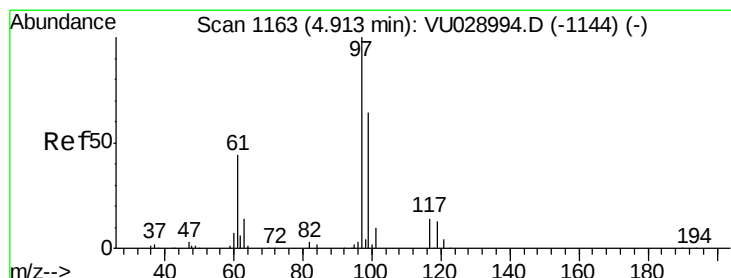
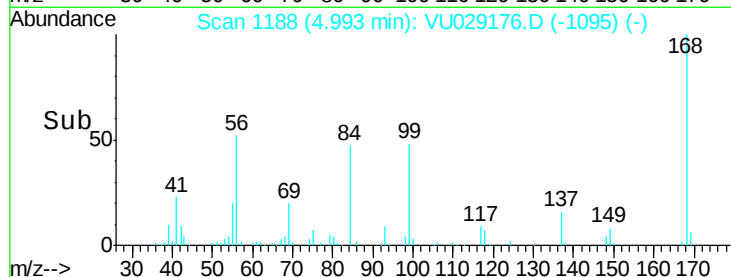
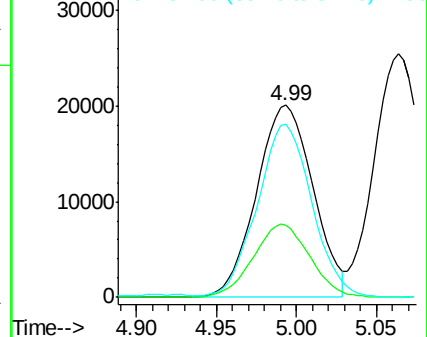
56 100

69 37.8 26.7 40.1

84 89.0 65.7 98.5



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



#32

1,1,1-Trichloroethane

Concen: 20.814 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

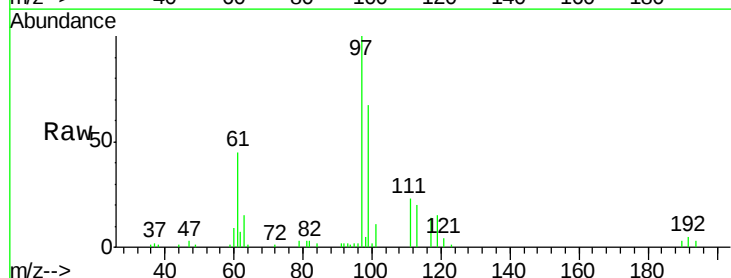
Tgt Ion: 97 Resp: 42675

Ion Ratio Lower Upper

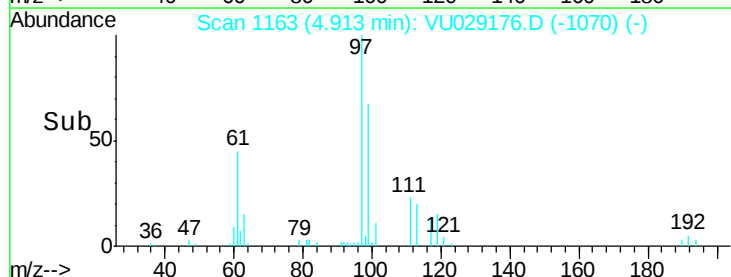
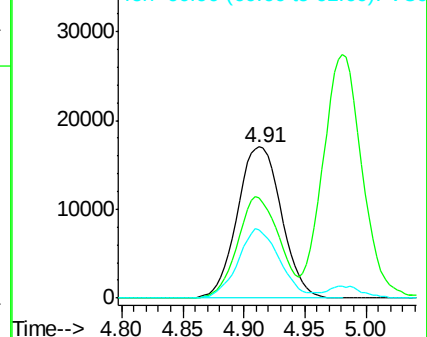
97 100

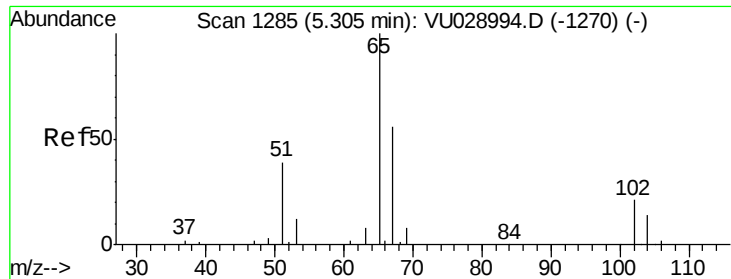
99 63.6 51.0 76.4

61 43.3 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

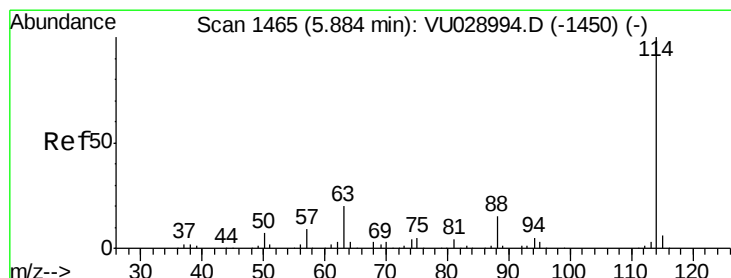
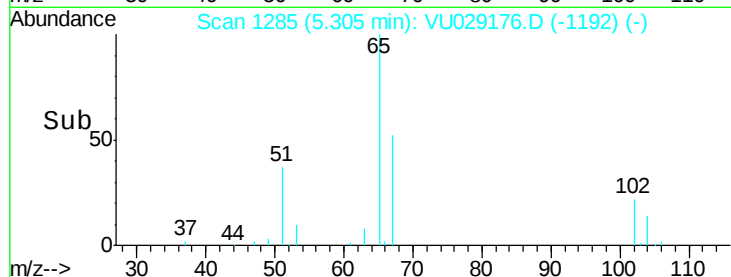
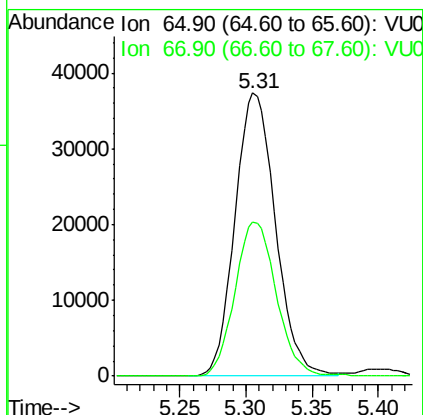
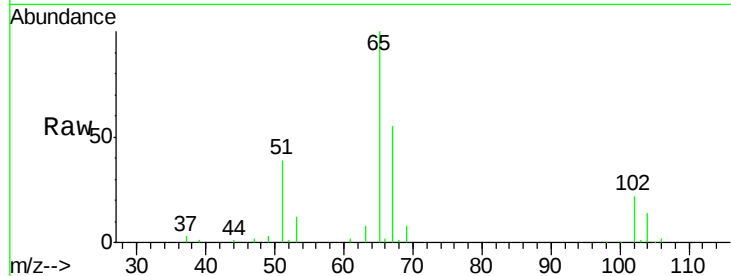




#33
 1,2-Dichloroethane-d4
 Concen: 53.595 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

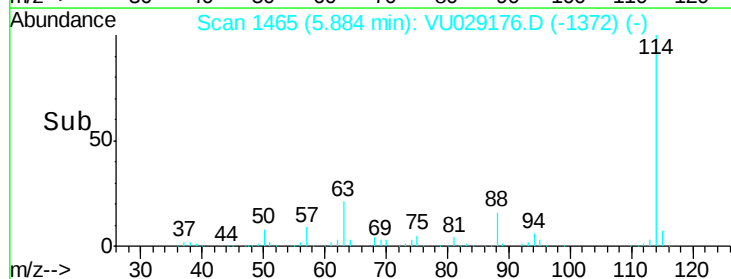
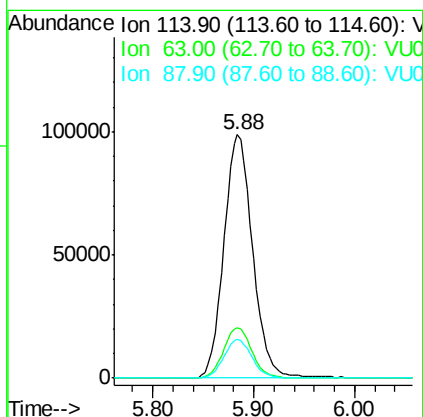
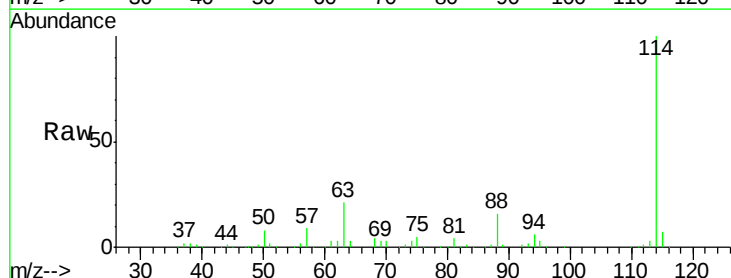
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

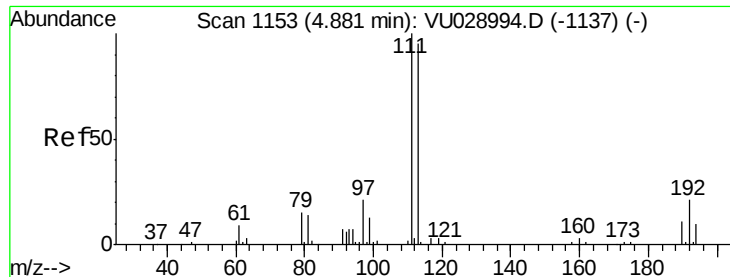
Tot Ion: 65 Resp: 79498
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 114 Resp: 196505
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 16.0 0.0 30.4

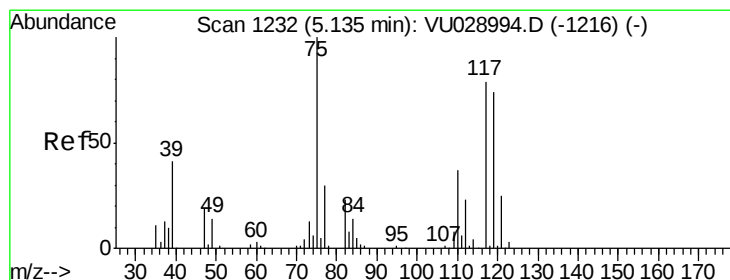
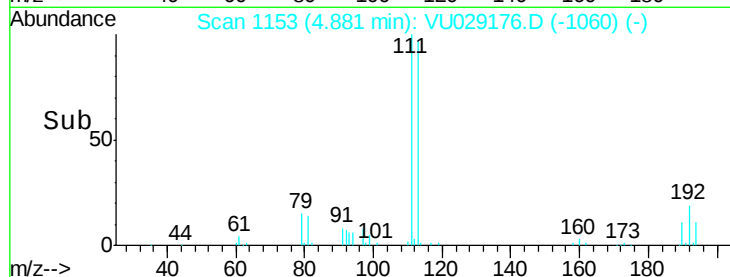
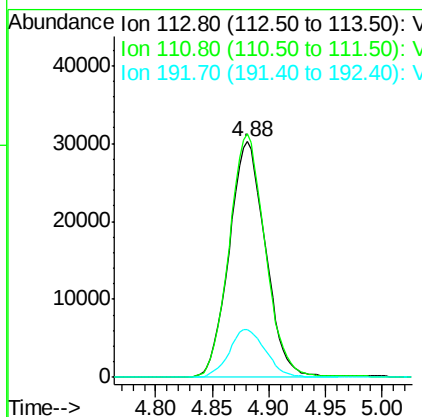
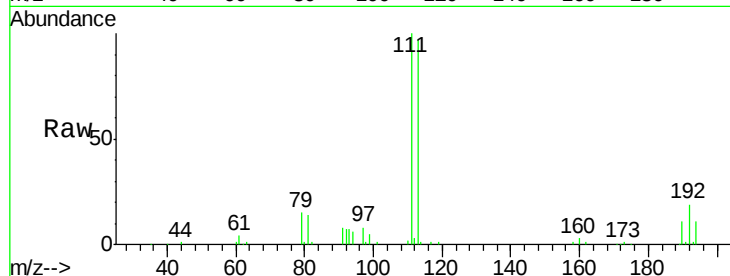




#35
 Dibromofluoromethane
 Concen: 53.248 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

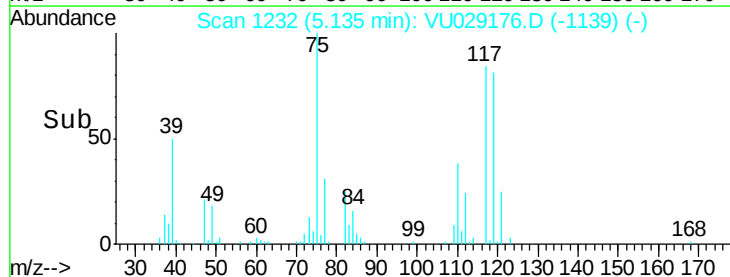
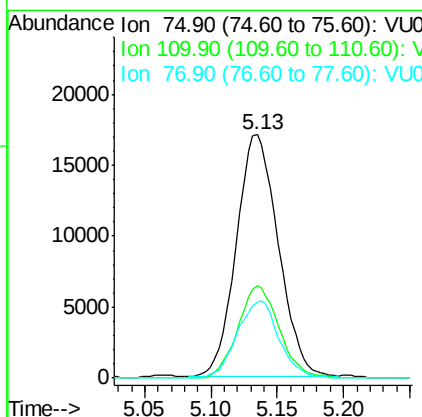
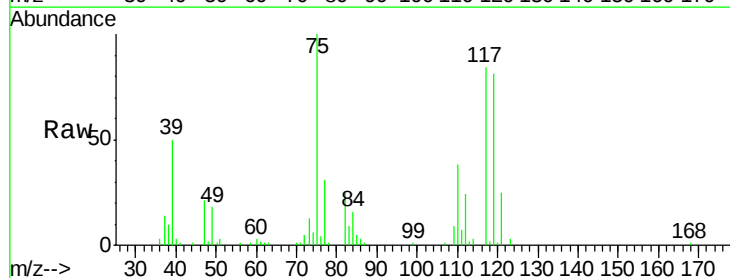
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

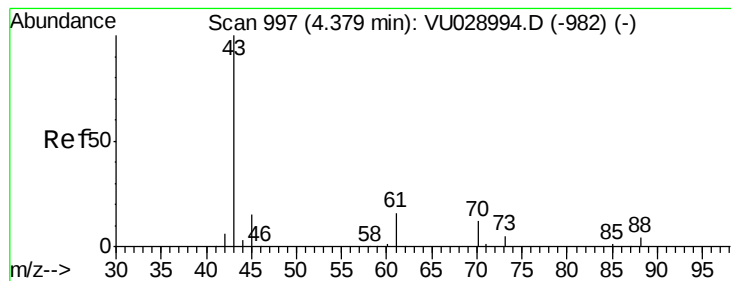
Tot Ion:113 Resp: 67827
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.2
 192 20.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 19.077 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 37470
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.4 55.4
 77 31.8 25.1 37.7





#37

Ethyl Acetate

Concen: 20.684 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

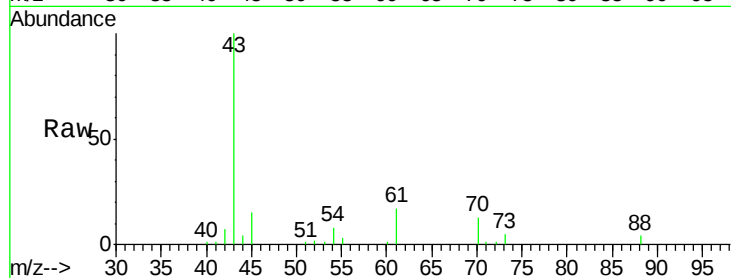
Tot Ion: 43 Resp: 44595

Ion Ratio Lower Upper

43 100

61 16.5 12.6 18.8

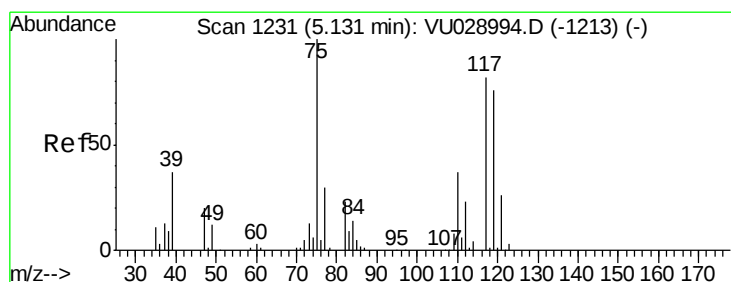
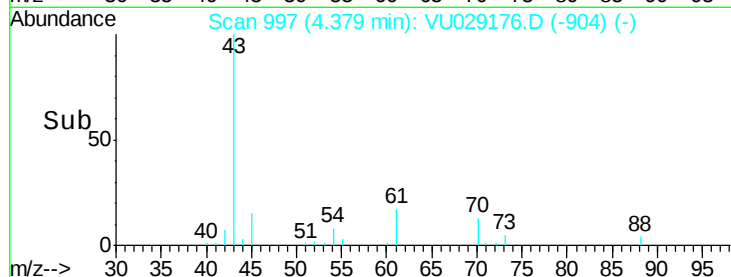
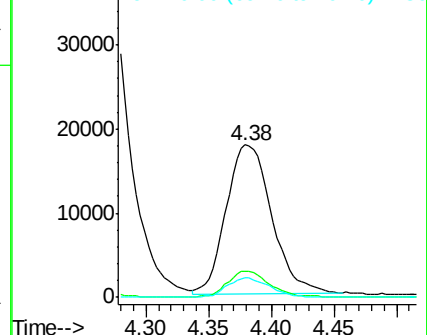
70 12.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 20.732 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

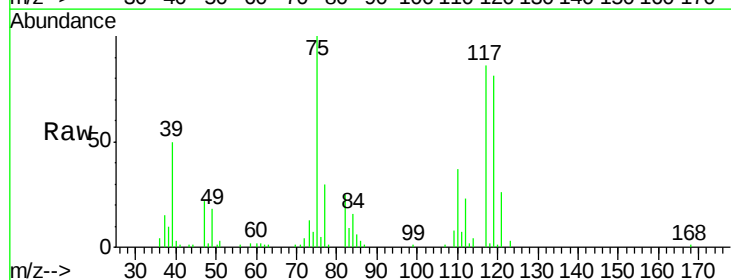
Tgt Ion: 117 Resp: 33963

Ion Ratio Lower Upper

117 100

119 94.7 74.6 111.8

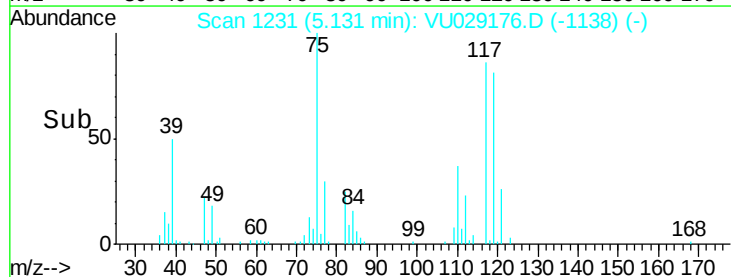
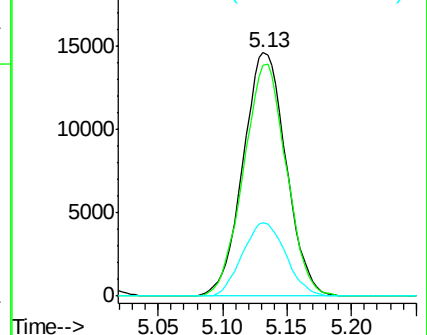
121 30.2 25.0 37.6

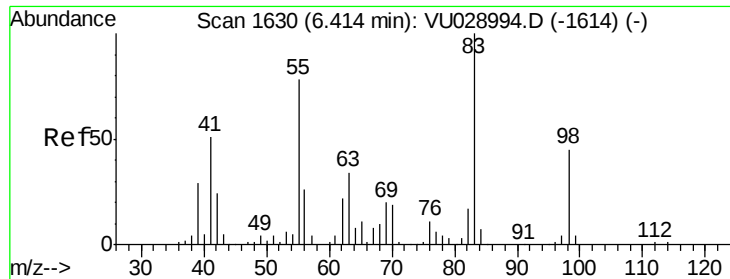


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

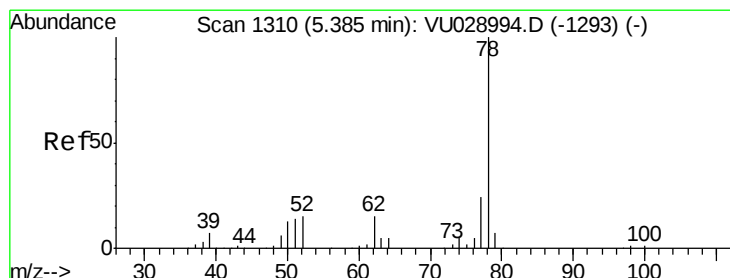
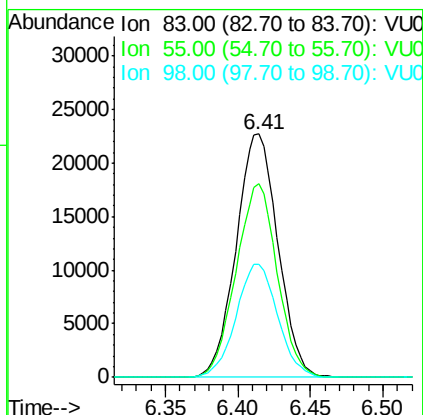
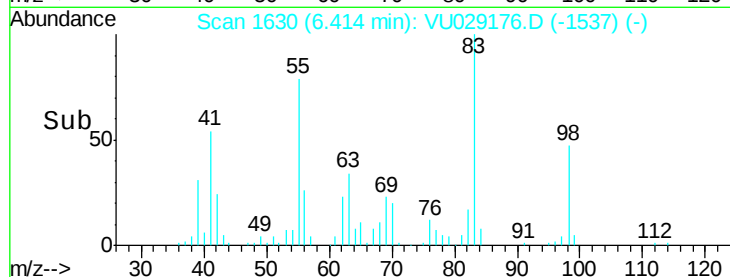
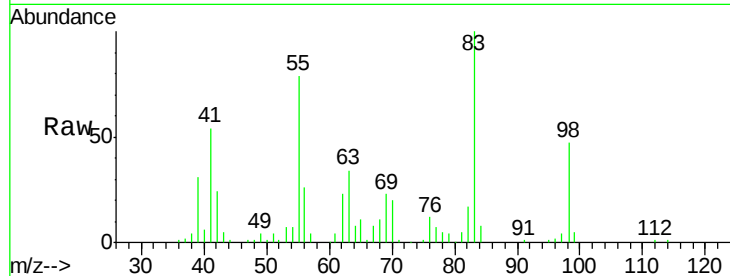




#39
Methvlcvclohexane
Concen: 18.844 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

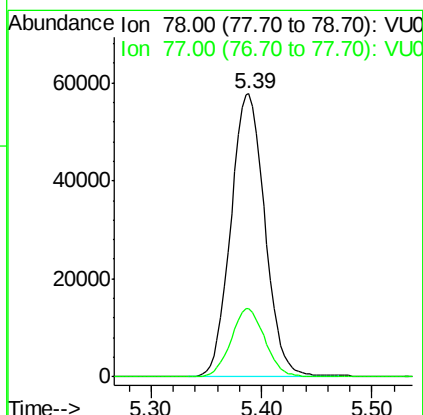
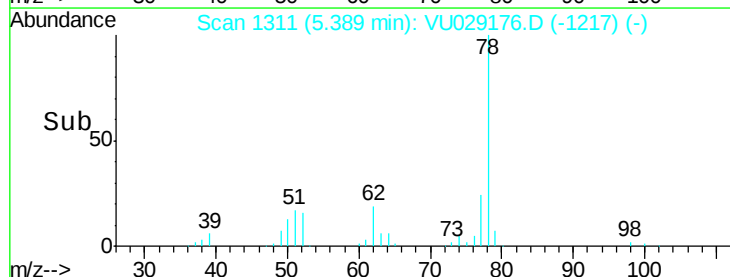
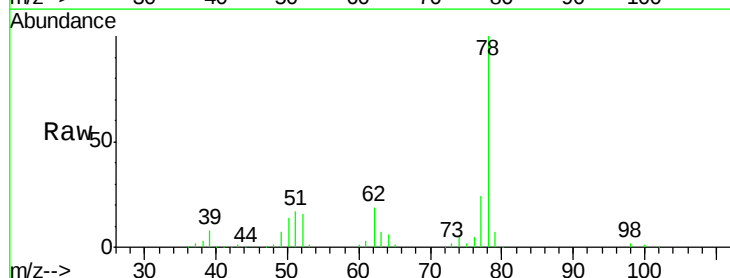
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

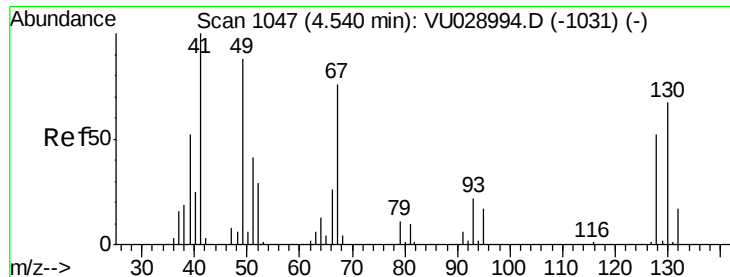
Tot Ion: 83 Resp: 45502
Ion Ratio Lower Upper
83 100
55 79.5 62.4 93.6
98 46.6 36.2 54.2



#40
Benzene
Concen: 20.216 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 78 Resp: 123859
Ion Ratio Lower Upper
78 100
77 24.4 18.9 28.3

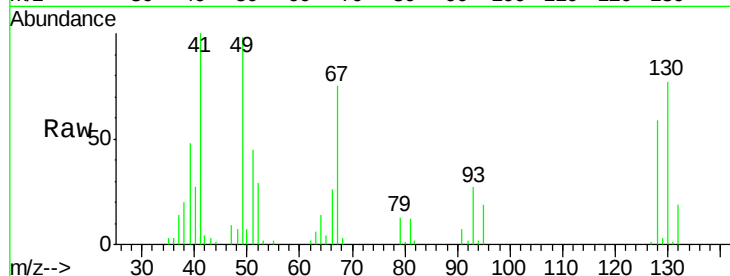




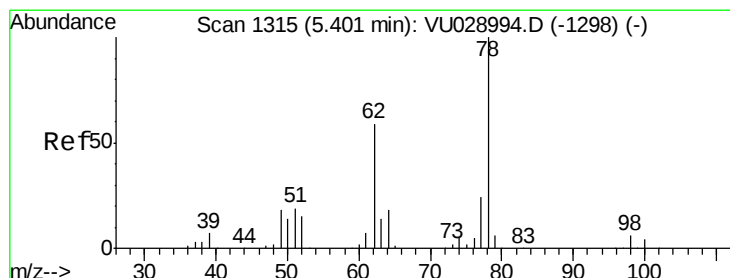
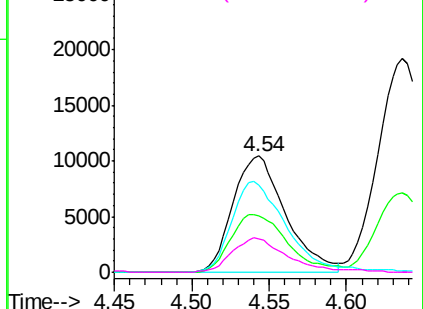
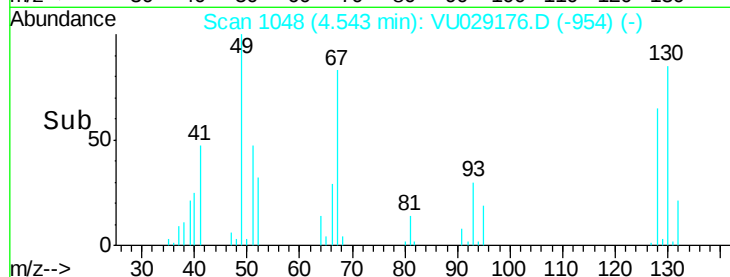
#41
Methacrylonitrile
Concen: 21.419 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 41 Resp: 24719
Ion Ratio Lower Upper
41 100
39 53.3 42.3 63.5
67 81.6 64.4 96.6
52 30.3 23.9 35.9

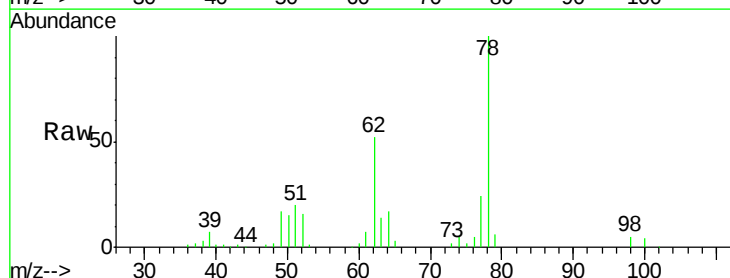


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

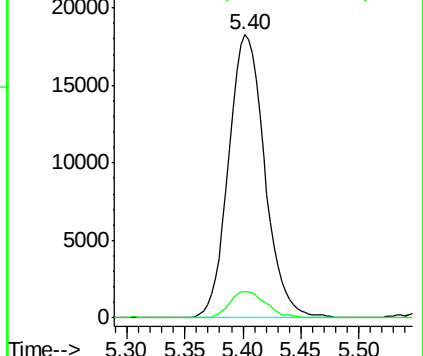
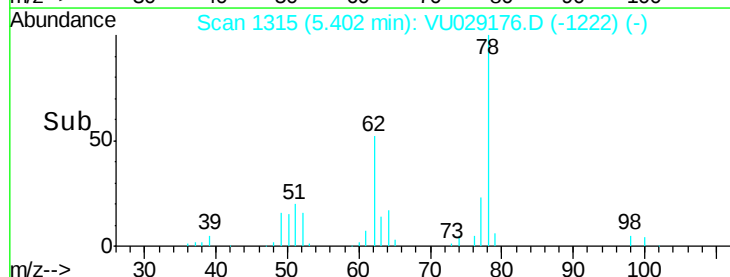


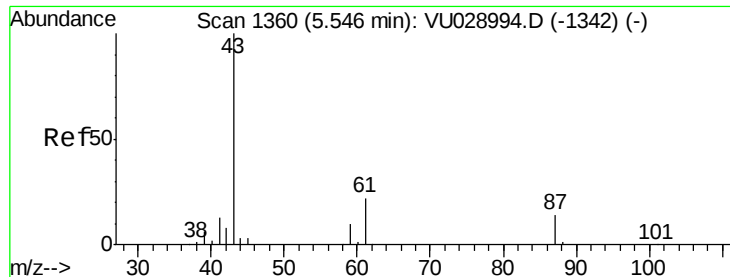
#42
1,2-Dichloroethane
Concen: 21.424 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 62 Resp: 39442
Ion Ratio Lower Upper
62 100
98 9.3 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: 21.631 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

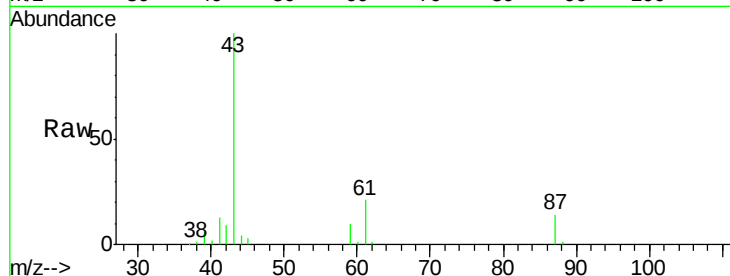
Tot Ion: 43 Resp: 71540

Ion Ratio Lower Upper

43 100

61 21.8 17.8 26.6

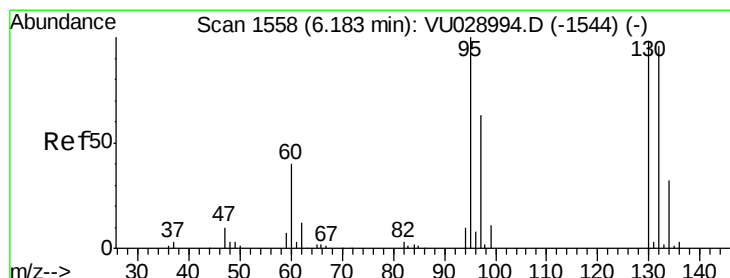
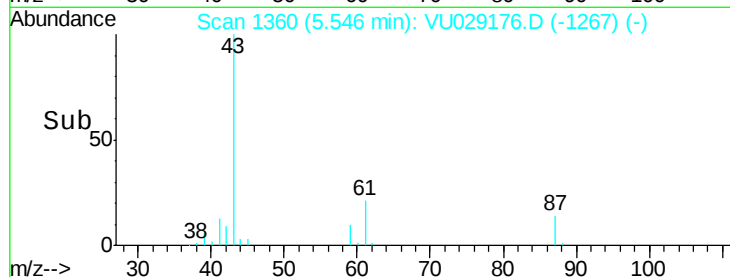
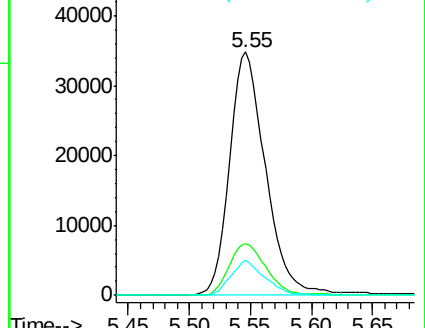
87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#44

Trichloroethene

Concen: 19.602 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029176.D

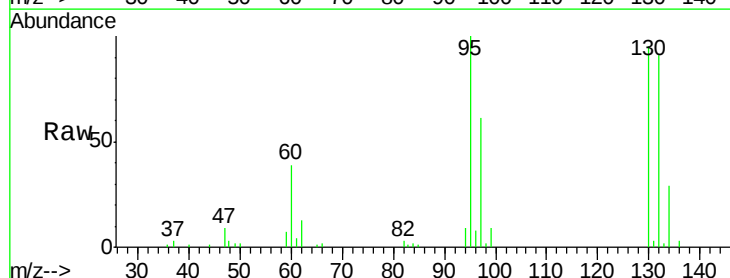
Acq: 15 Jan 2019 11:29

Tgt Ion:130 Resp: 29757

Ion Ratio Lower Upper

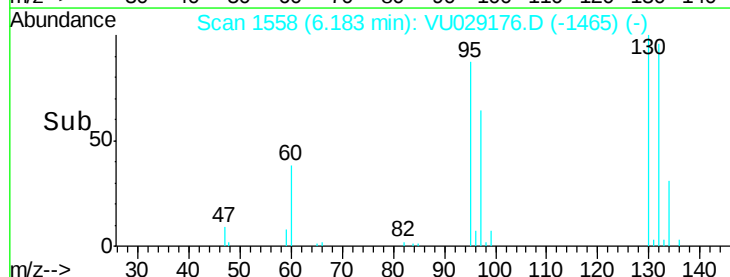
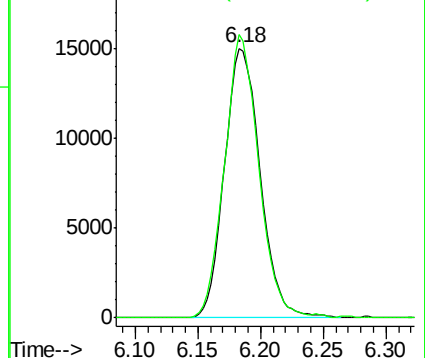
130 100

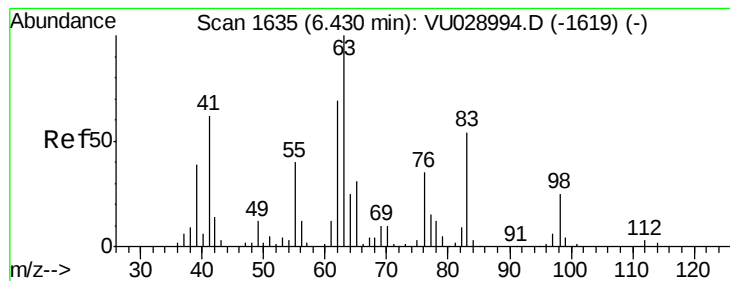
95 105.0 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 20.873 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

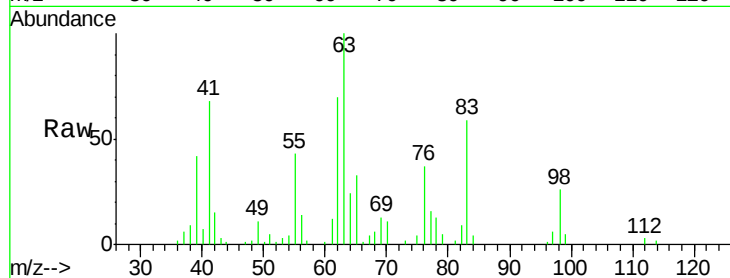
VU0115MBS01

Tot Ion: 63 Resp: 33771

Ion Ratio Lower Upper

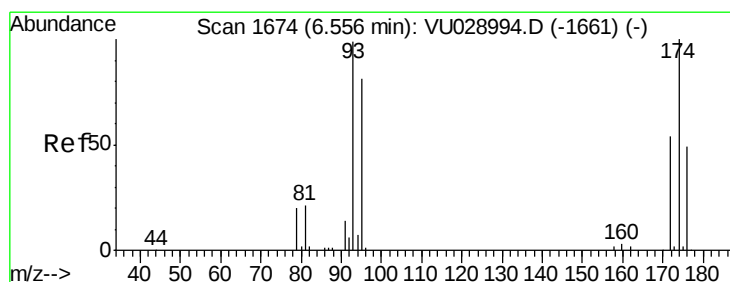
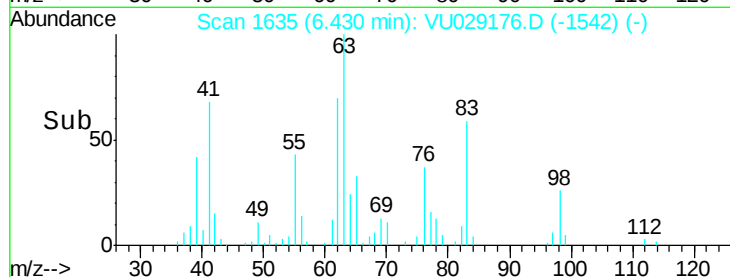
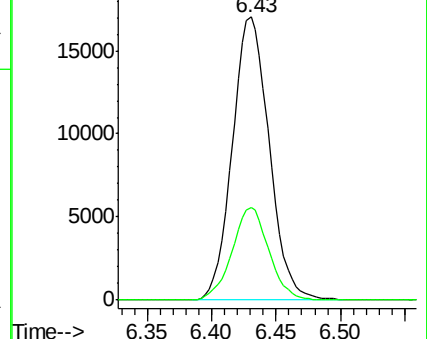
63 100

65 32.7 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.584 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

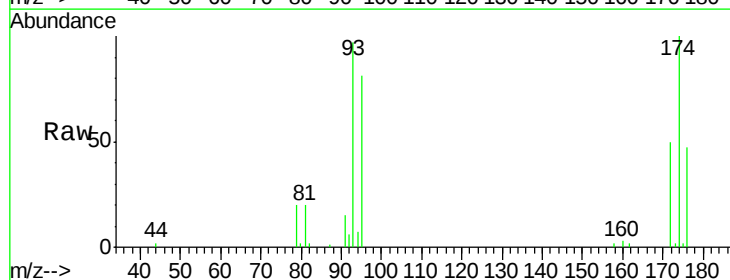
Tgt Ion: 93 Resp: 21290

Ion Ratio Lower Upper

93 100

95 85.8 67.2 100.8

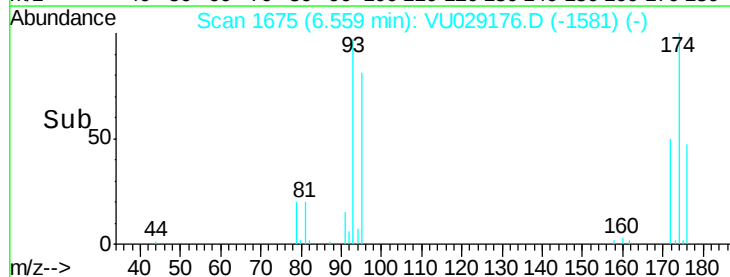
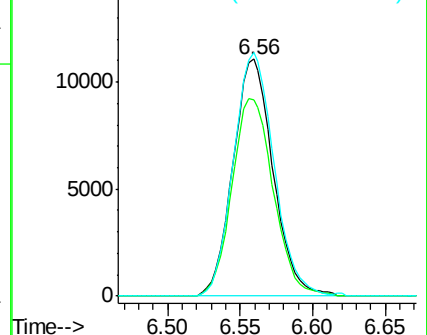
174 103.9 82.6 123.8



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

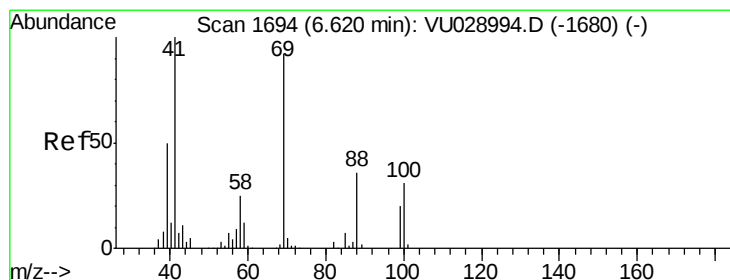
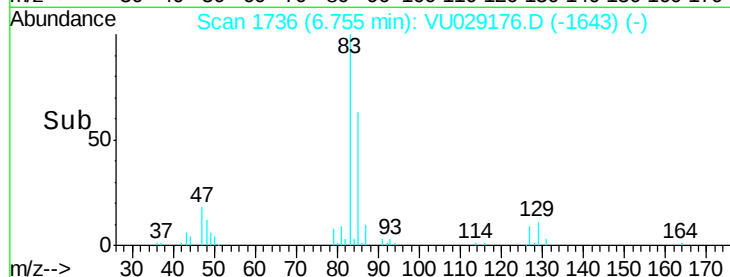
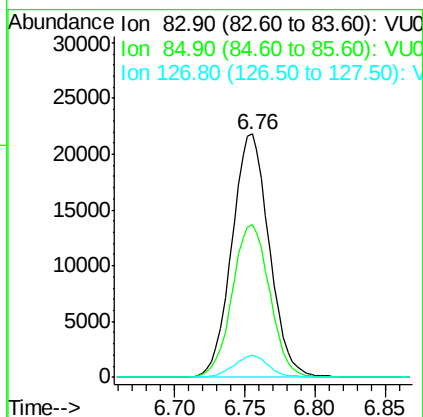
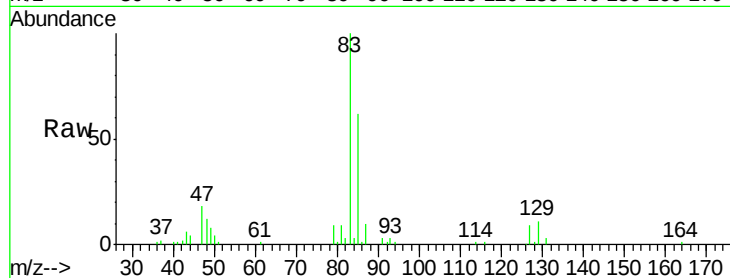




#47
Bromodichloromethane
Concen: 21.249 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

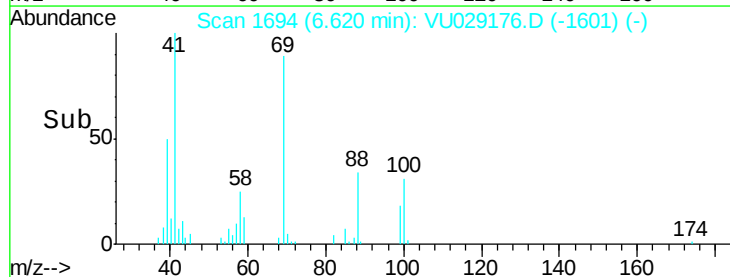
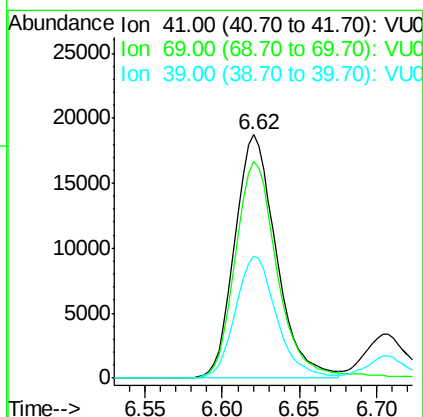
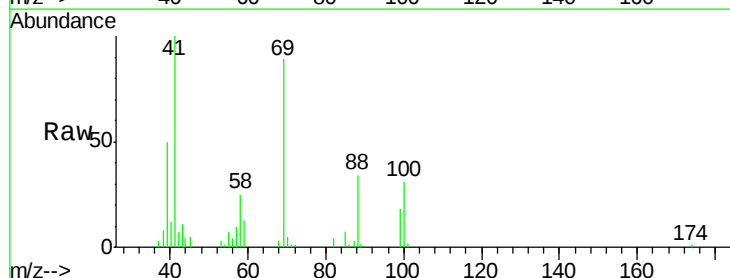
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

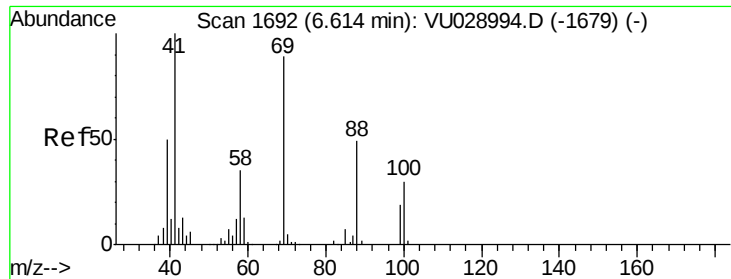
Tot Ion	83	Resp	40464
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2
127	9.1	7.0	10.4



#48
Methyl methacrylate
Concen: 21.654 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	41	Resp	34871
Ion	Ratio	Lower	Upper
41	100		
69	89.4	73.6	110.4
39	49.5	39.6	59.4

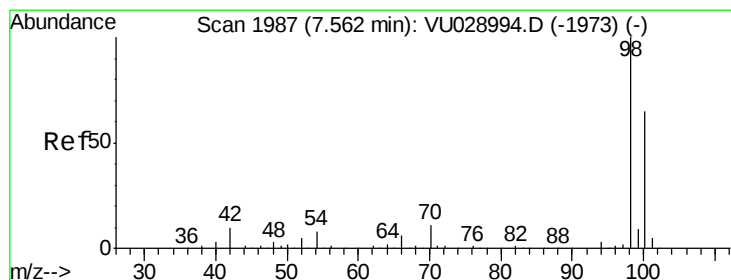
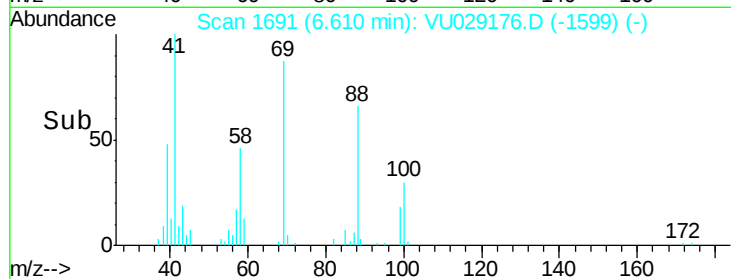
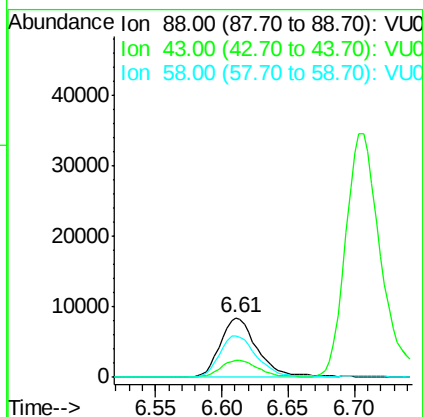
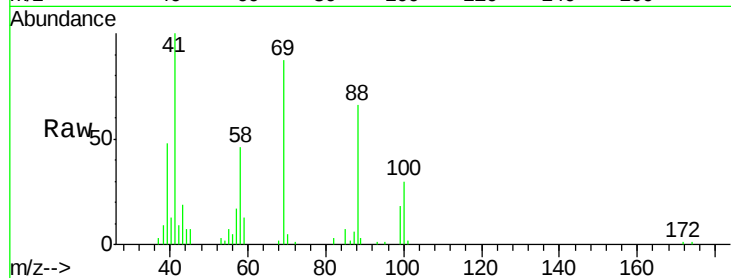




#49
1,4-Dioxane
Concen: 432.295 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

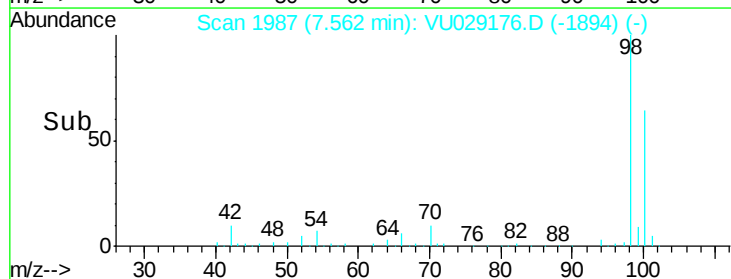
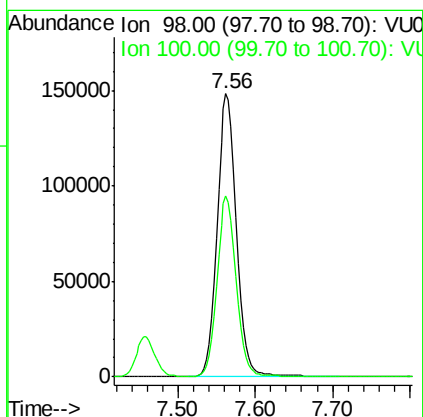
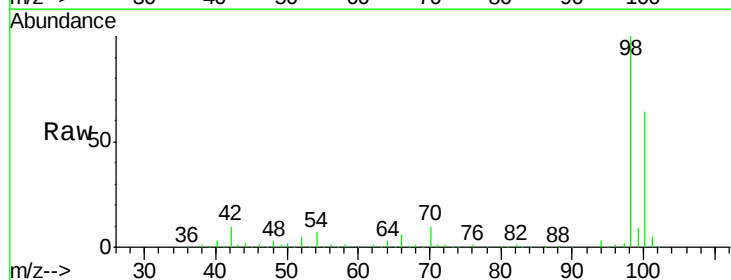
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

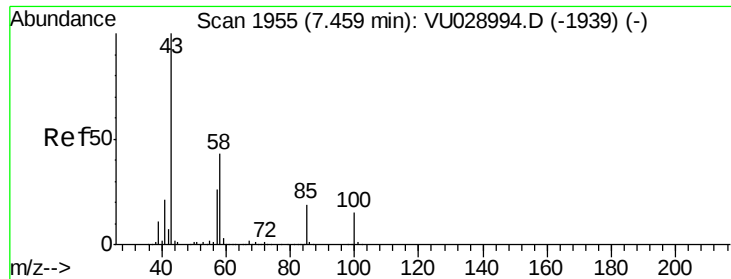
Tot Ion: 88 Resp: 16498
Ion Ratio Lower Upper
88 100
43 29.7 23.0 34.4
58 70.3 57.9 86.9



#50
Toluene-d8
Concen: 51.992 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 98 Resp: 261456
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 107.878 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

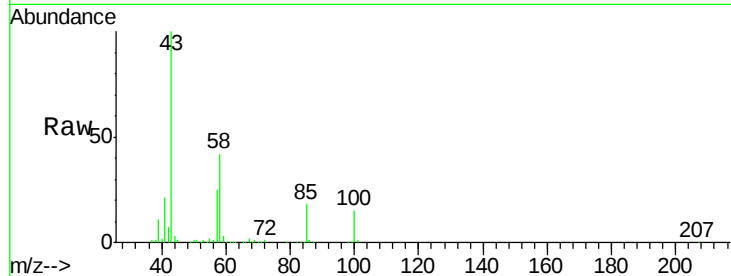
VU0115MBS01

Tot Ion: 43 Resp: 242809

Ion Ratio Lower Upper

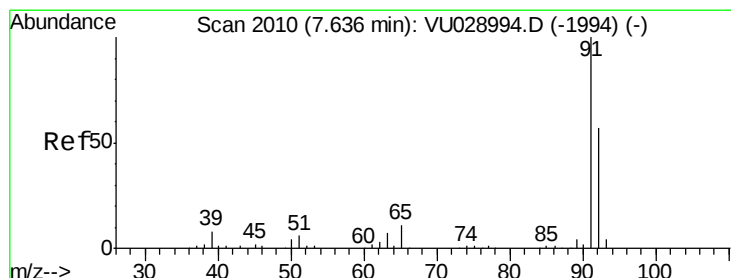
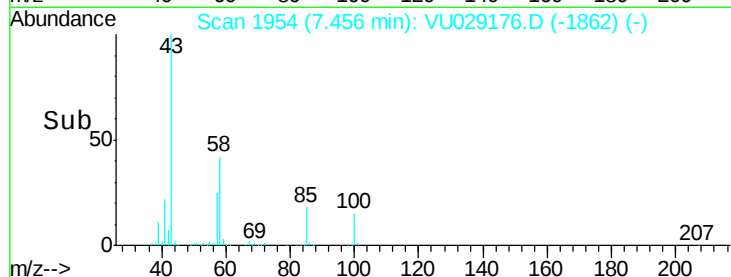
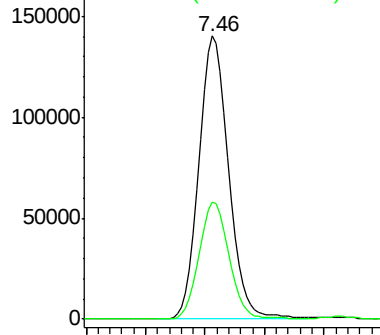
43 100

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: 20.541 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029176.D

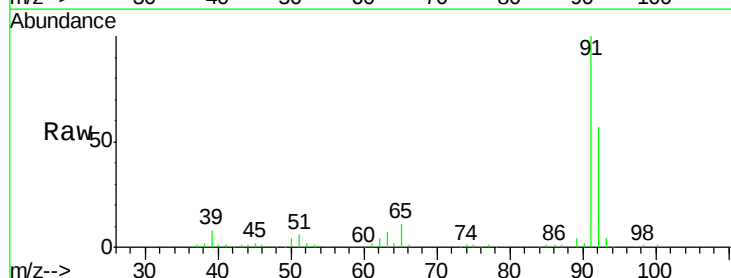
Acq: 15 Jan 2019 11:29

Tgt Ion: 92 Resp: 76614

Ion Ratio Lower Upper

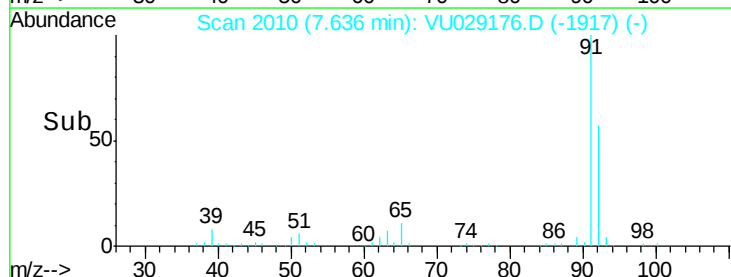
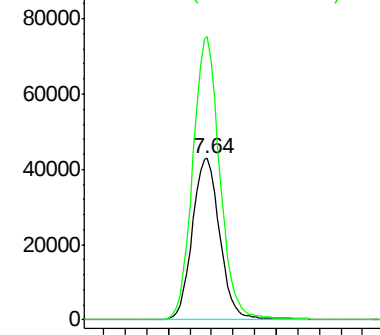
92 100

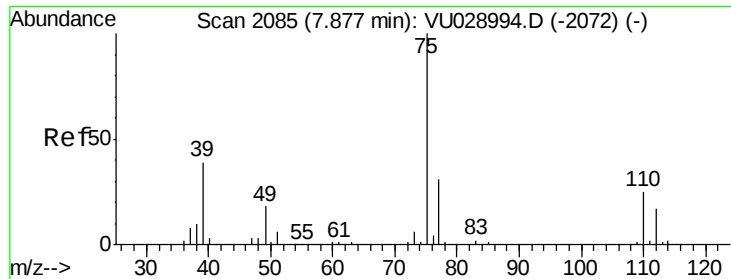
91 171.8 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

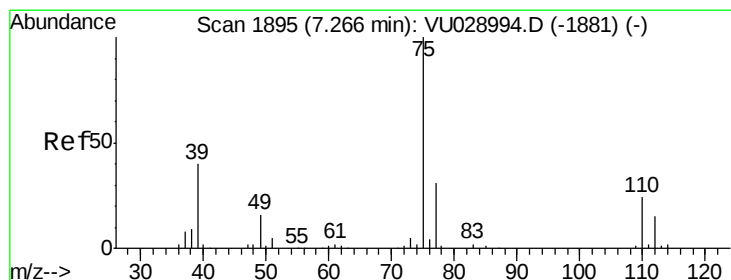
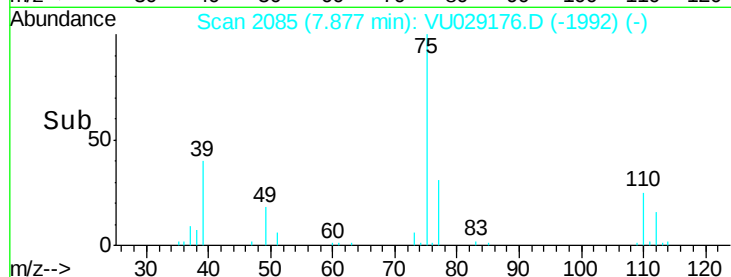
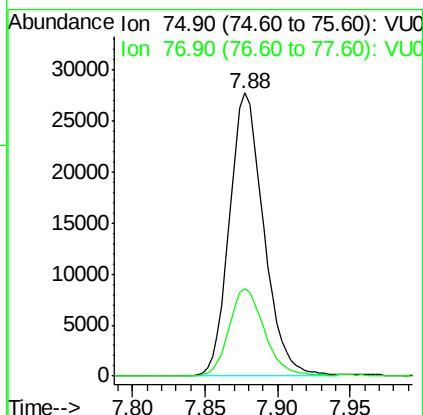
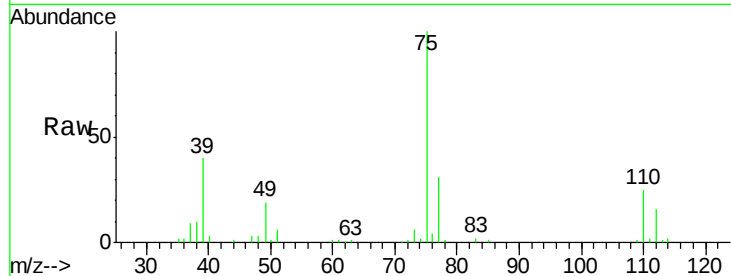




#53
t-1,3-Dichloropropene
Concen: 19.964 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

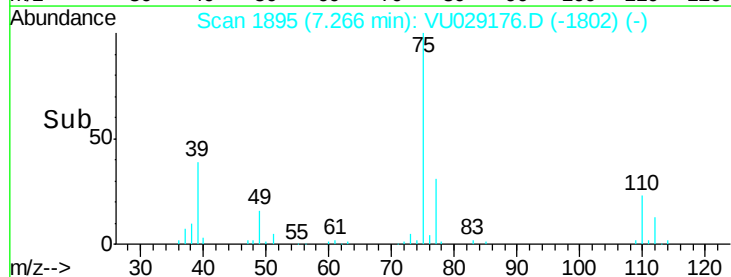
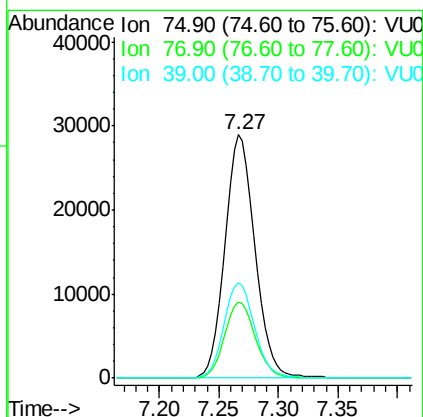
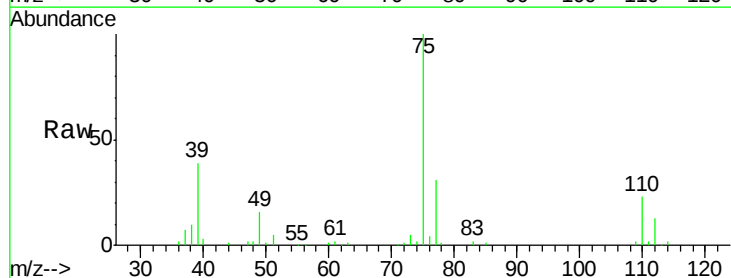
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

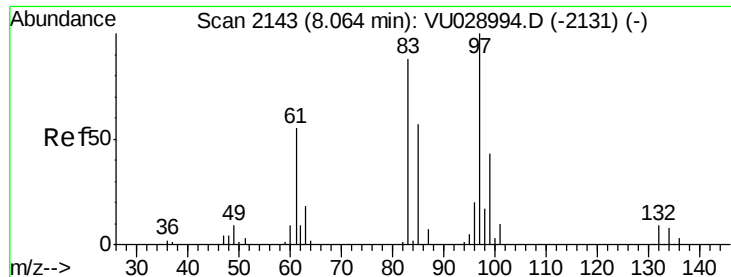
Tot Ion: 75 Resp: 45669
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 20.511 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 50700
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6
39 39.2 32.2 48.4

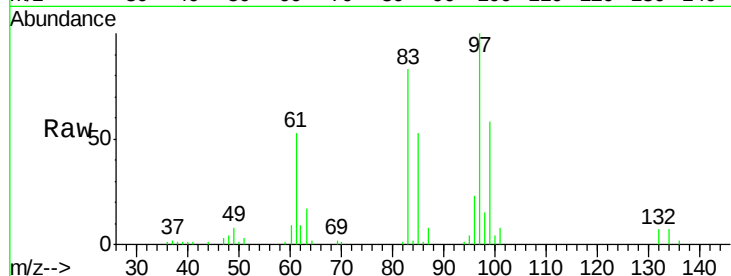




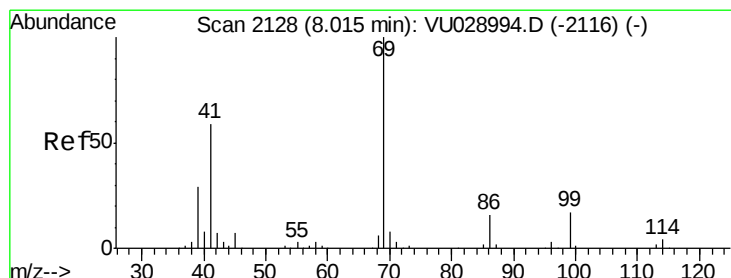
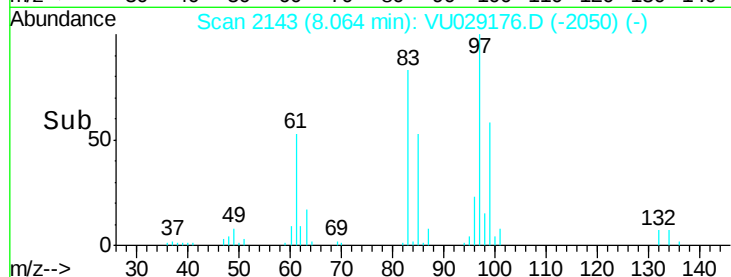
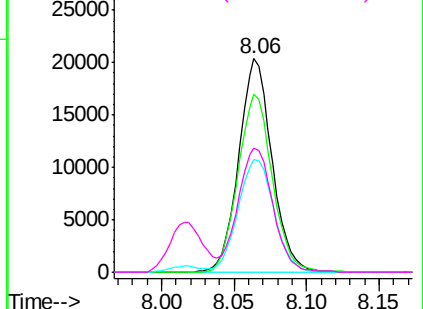
#55
1,1,2-Trichloroethane
Concen: 21.723 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 97 Resp: 32459
Ion Ratio Lower Upper
97 100
83 83.2 69.8 104.8
85 52.5 47.3 70.9
99 58.3 49.7 74.5

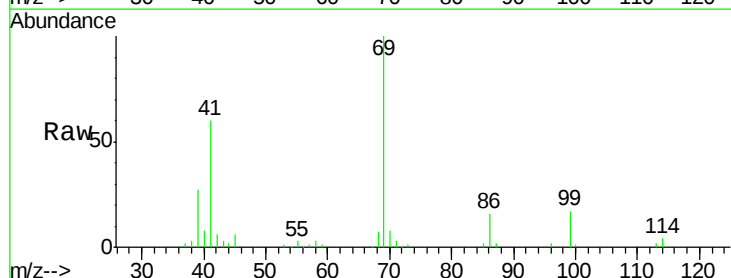


Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 98.90 (98.60 to 99.60): VU0

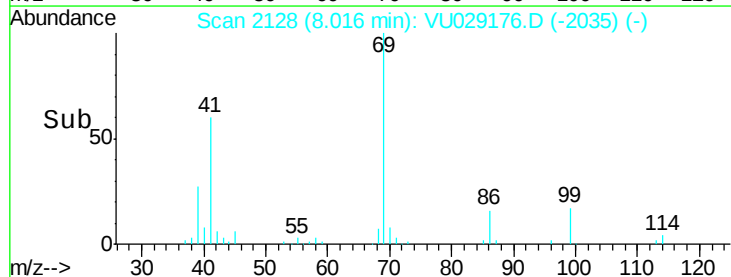
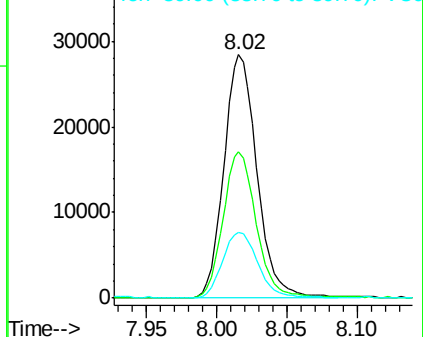


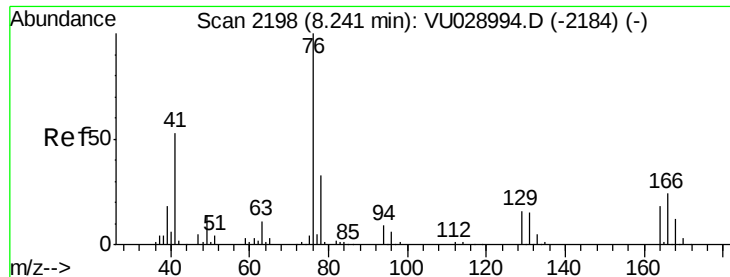
#56
Ethyl methacrylate
Concen: 20.271 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 69 Resp: 46664
Ion Ratio Lower Upper
69 100
41 60.2 47.5 71.3
39 29.0 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

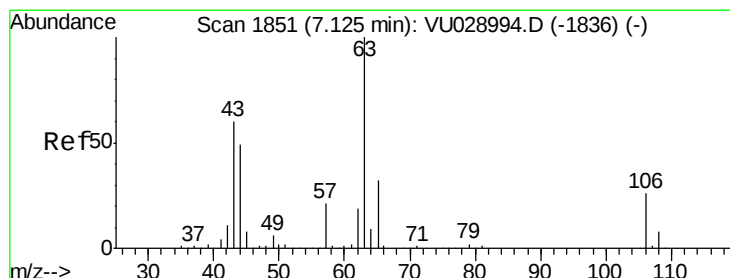
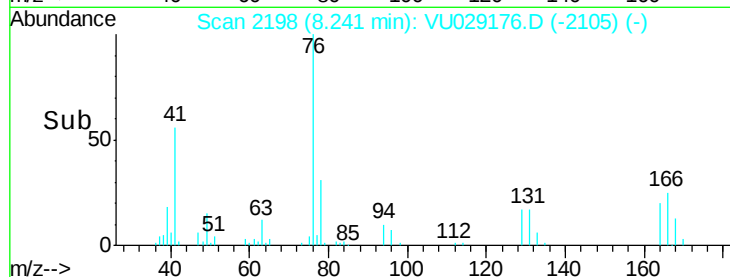
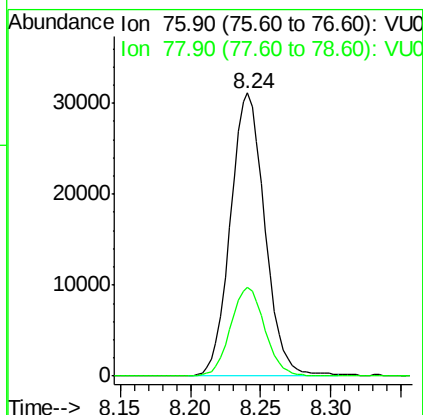
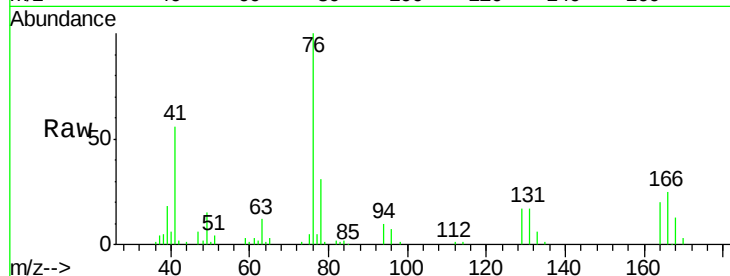




#57
 1,3-Dichloropropane
 Concen: 20.808 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

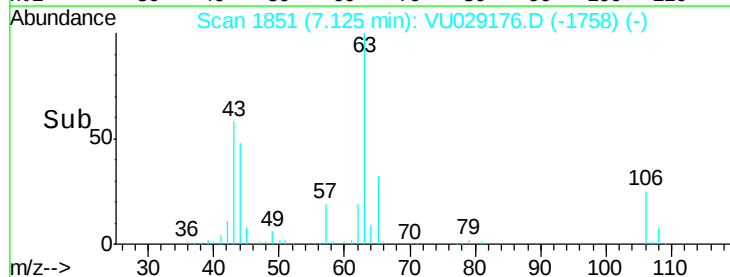
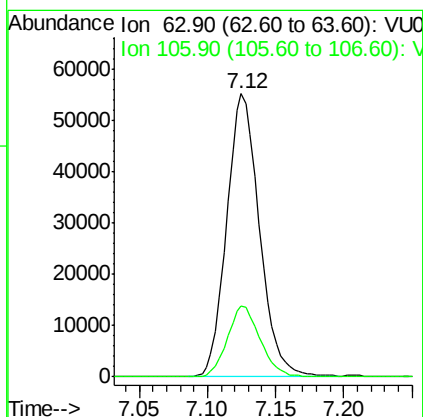
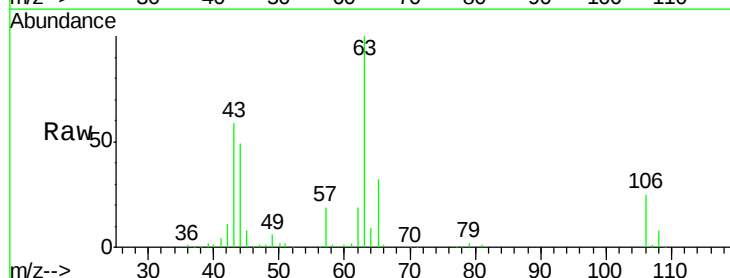
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

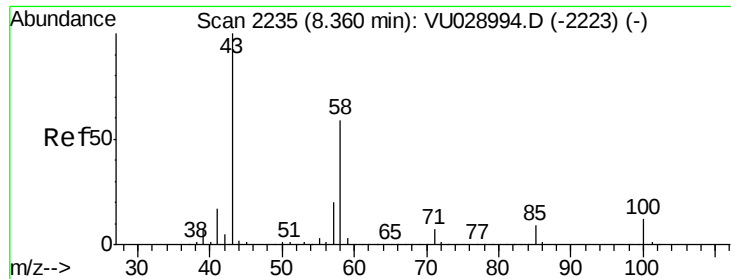
Tot Ion: 76 Resp: 53201
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.974 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 63 Resp: 92100
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.6 31.0

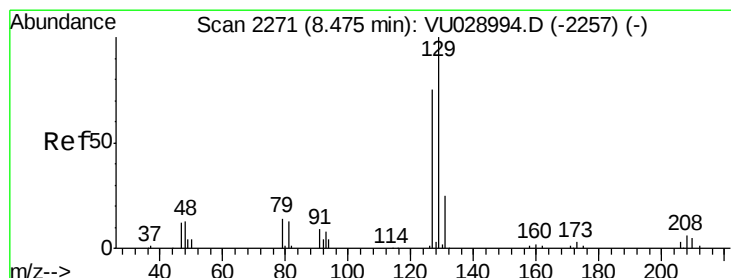
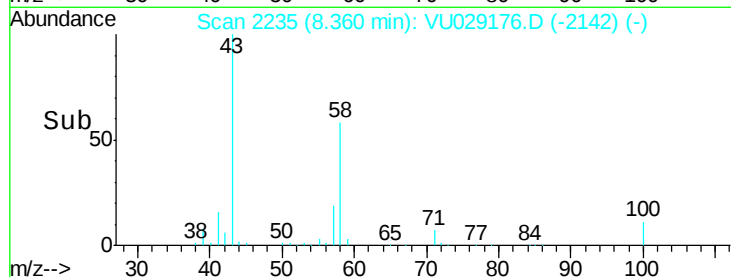
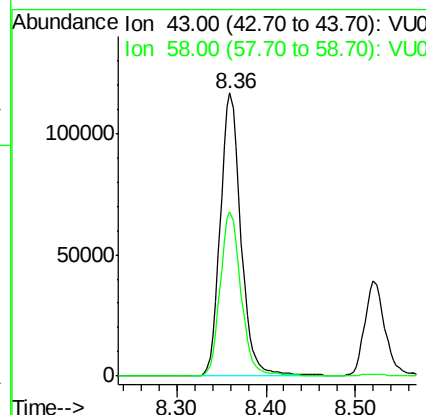
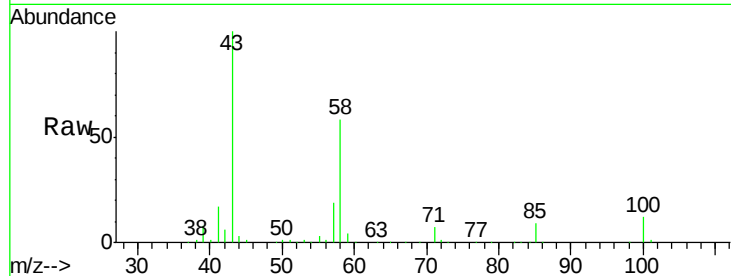




#59
 2-Hexanone
 Concen: 106.514 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

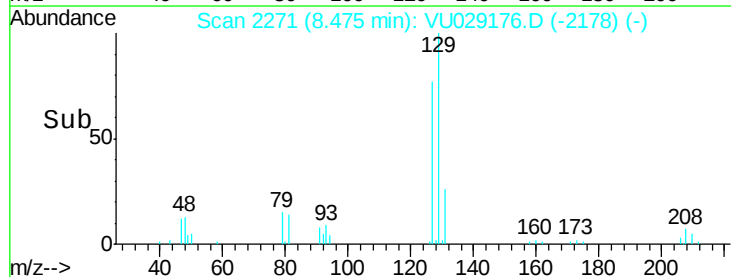
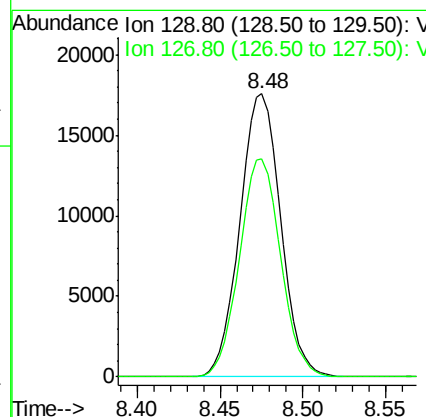
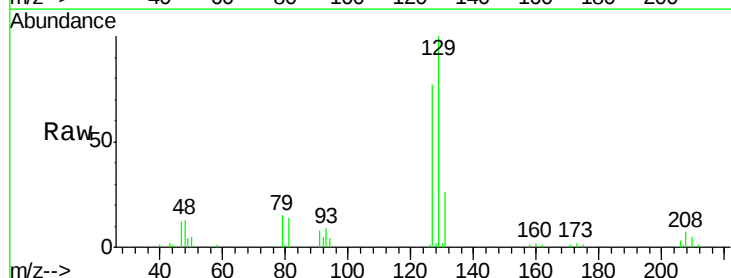
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

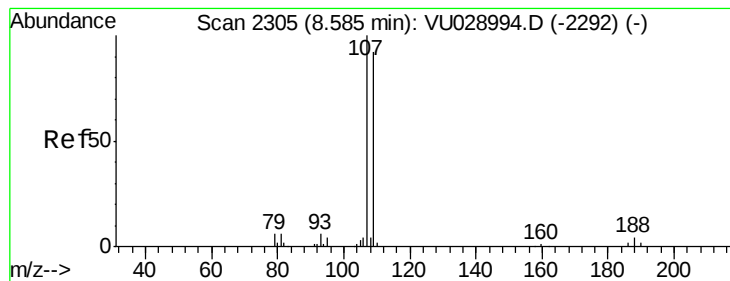
Tot Ion: 43 Resp: 188187
 Ion Ratio Lower Upper
 43 100
 58 58.6 29.8 89.4



#60
 Dibromochloromethane
 Concen: 20.383 ug/l
 RT: 8.48 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:129 Resp: 30173
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.212 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

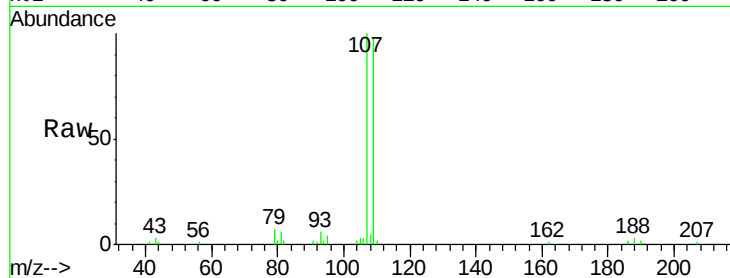
VU0115MBS01

Tot Ion:107 Resp: 32754

Ion Ratio Lower Upper

107 100

109 96.1 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

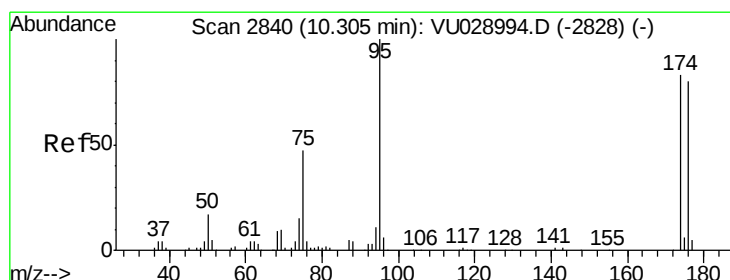
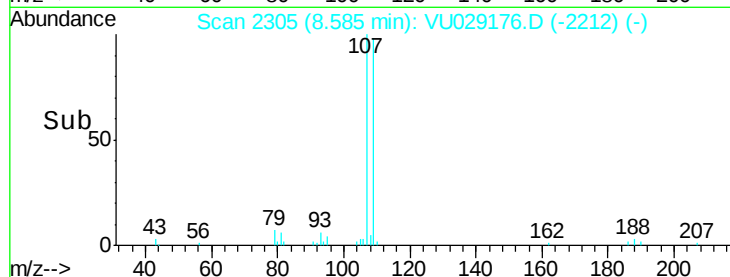
10000

5000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 50.106 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

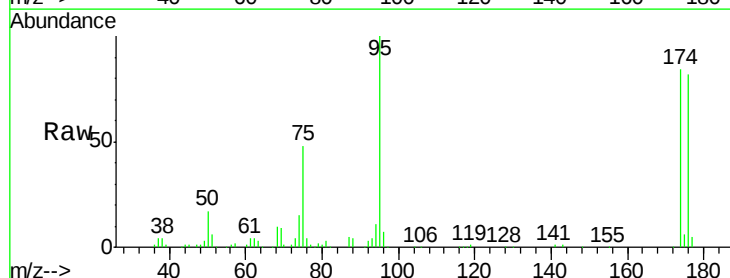
Tgt Ion: 95 Resp: 90554

Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.6

176 81.4 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

10.30

60000

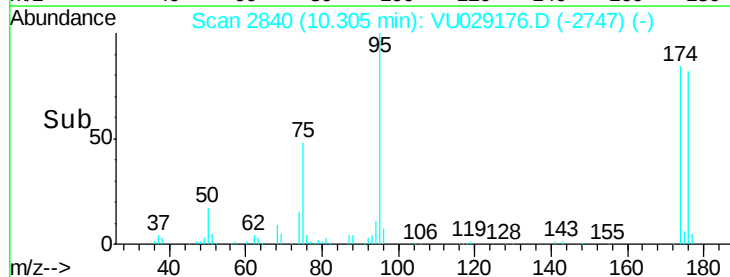
40000

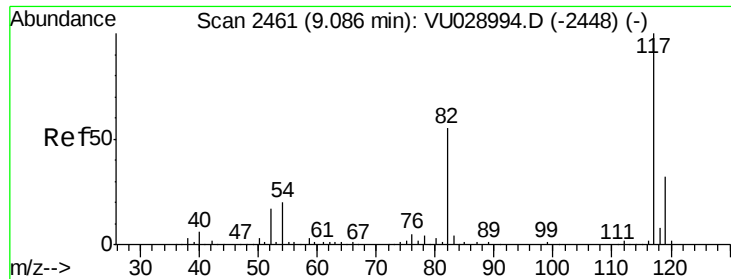
20000

0

Time-->

10.25 10.30 10.35 10.40

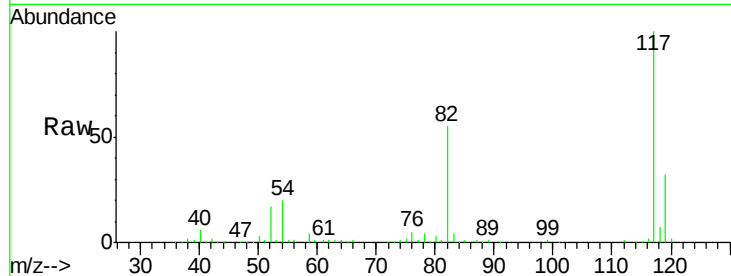




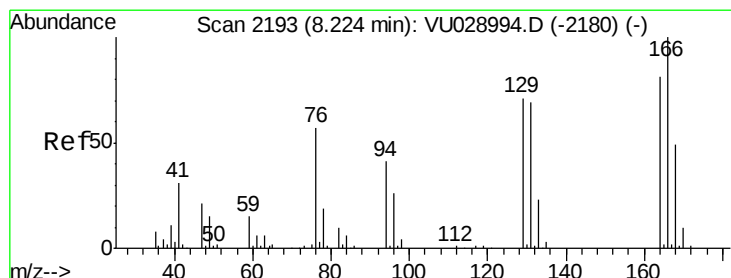
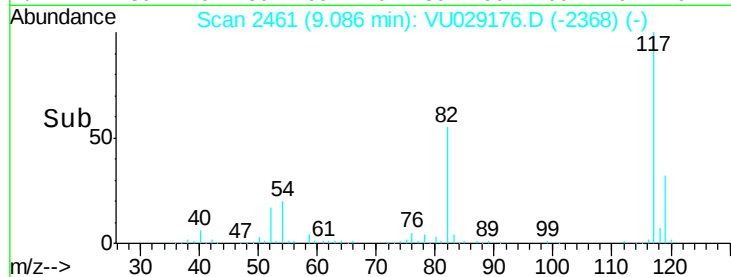
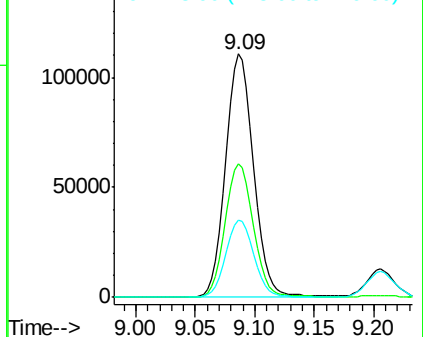
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:117 Resp: 181654
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 31.7 26.0 39.0

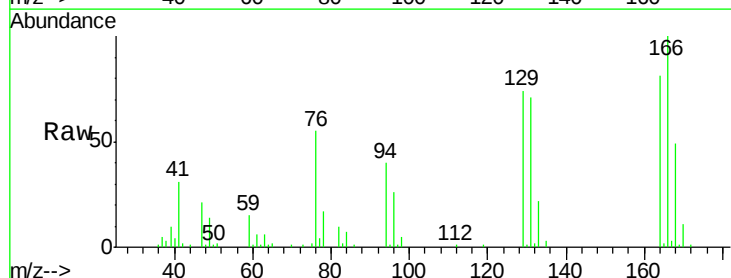


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

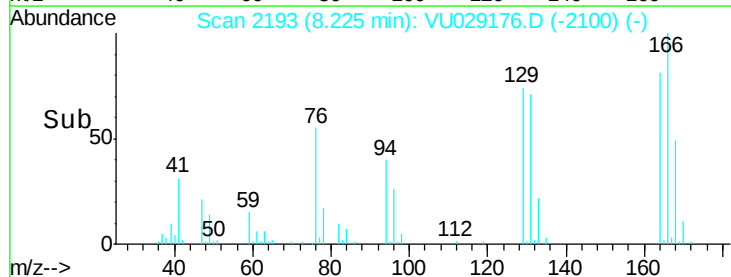
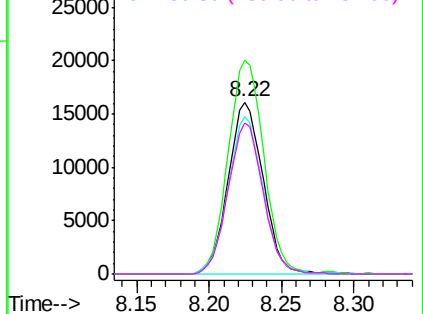


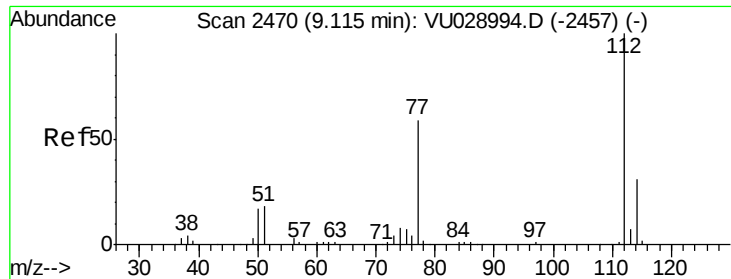
#64
Tetrachloroethene
Concen: 20.601 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:164 Resp: 26957
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.0
129 91.3 70.5 105.7
131 87.7 69.0 103.6



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

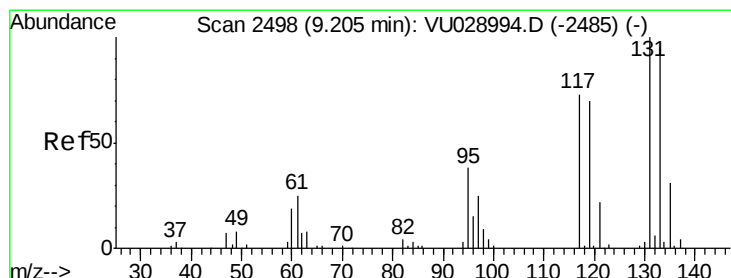
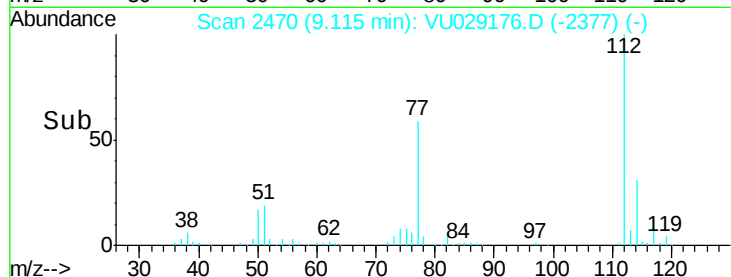
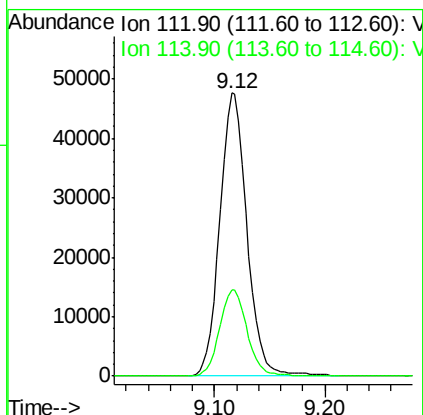
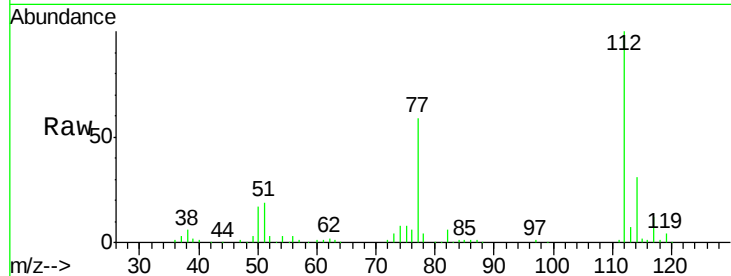




#65
Chlorobenzene
Concen: 19.961 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

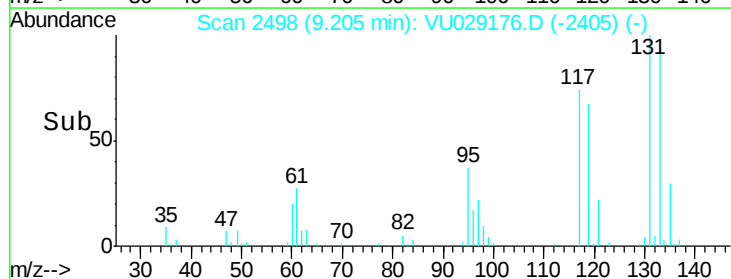
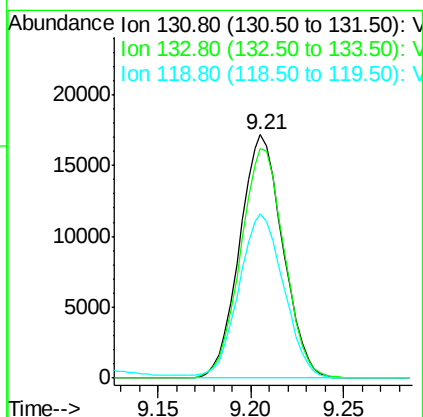
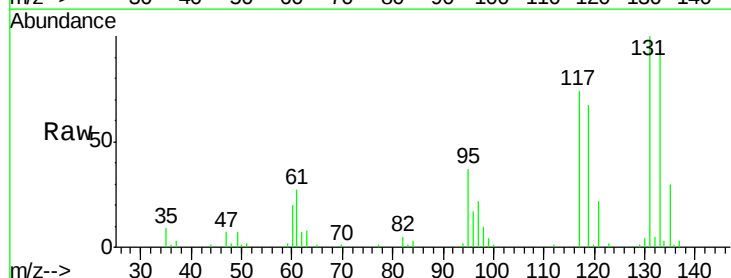
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

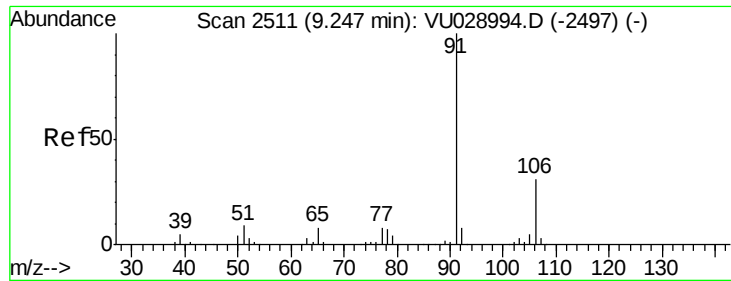
Tot Ion:112 Resp: 81279
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.005 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:131 Resp: 27756
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 70.0 35.4 106.3

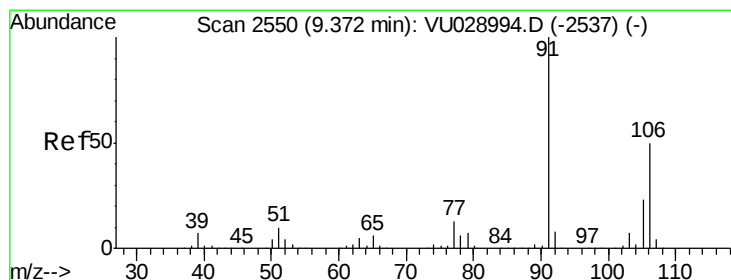
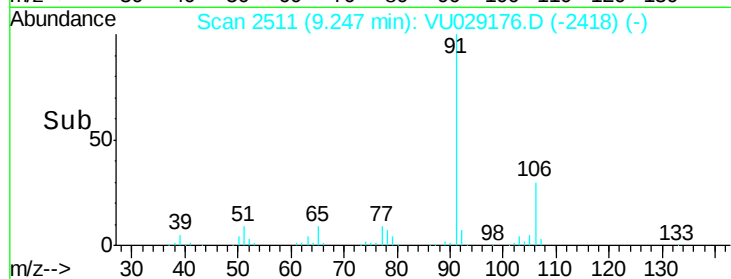
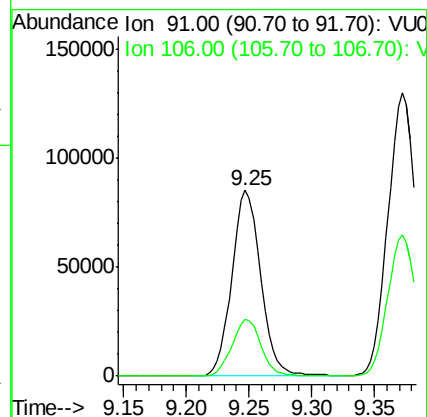
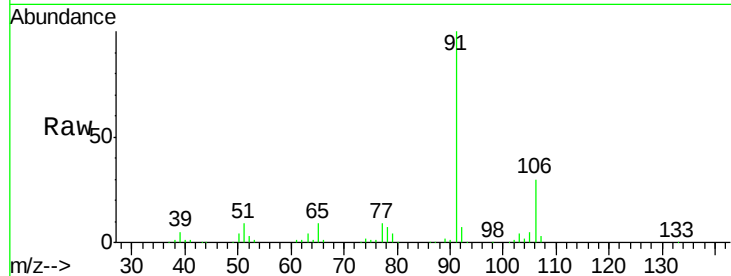




#67
Ethyl Benzene
Concen: 20.141 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

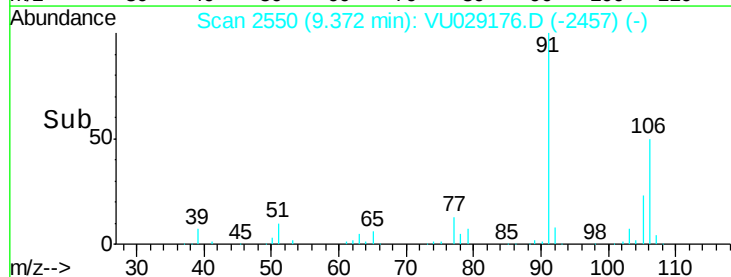
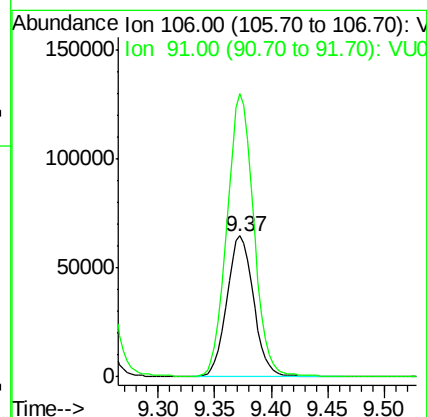
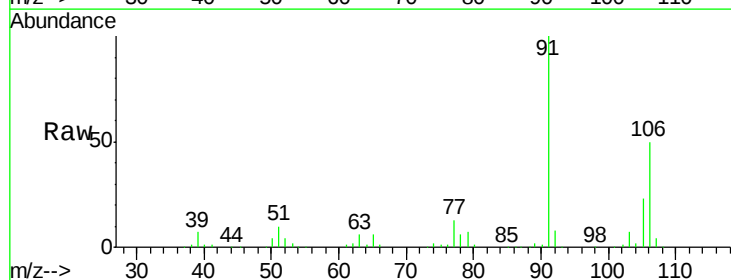
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 91 Resp: 136919
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 40.282 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 106 Resp: 106402
Ion Ratio Lower Upper
106 100
91 199.1 161.7 242.5

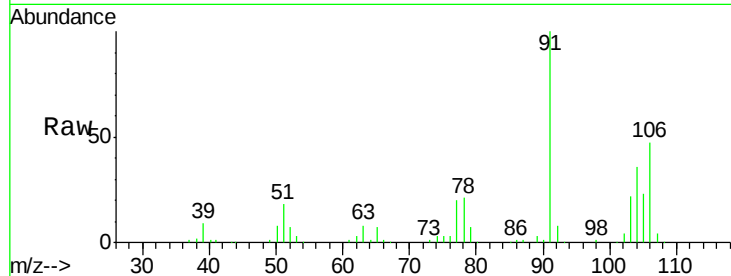




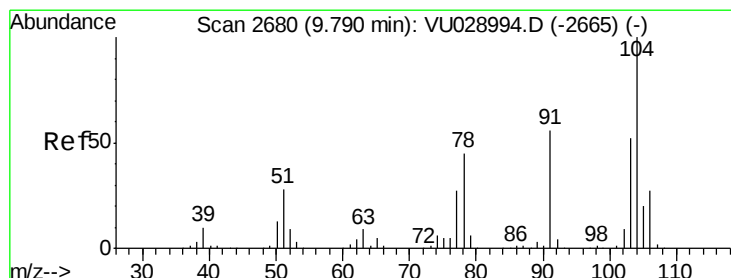
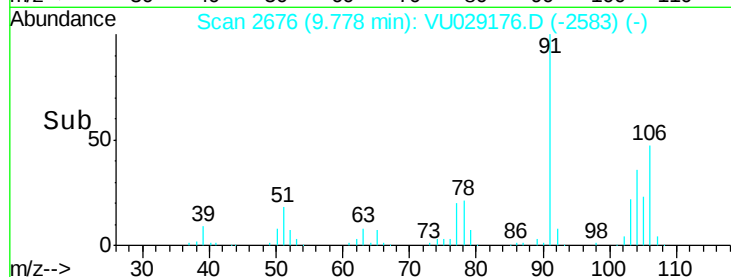
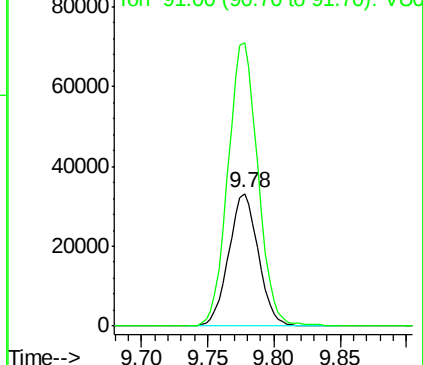
#69
o-Xylene
Concen: 20.343 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:106 Resp: 51774
Ion Ratio Lower Upper
106 100
91 215.9 106.1 318.3

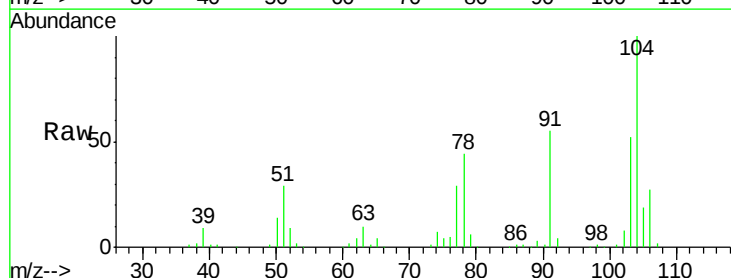


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

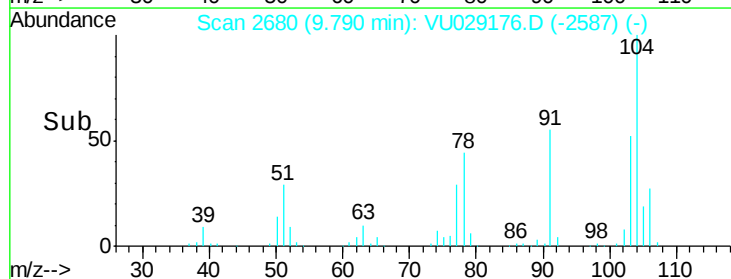
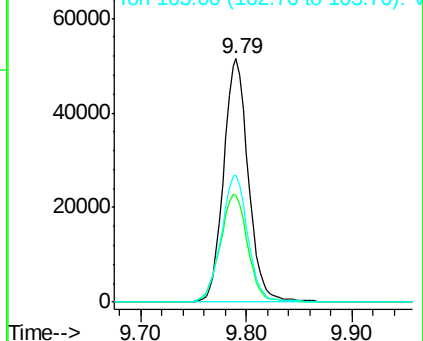


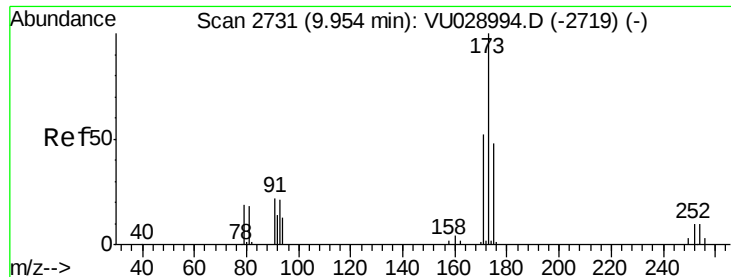
#70
Styrene
Concen: 20.000 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:104 Resp: 83447
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 56.3 44.5 66.7



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





#71

Bromoform

Concen: 20.344 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

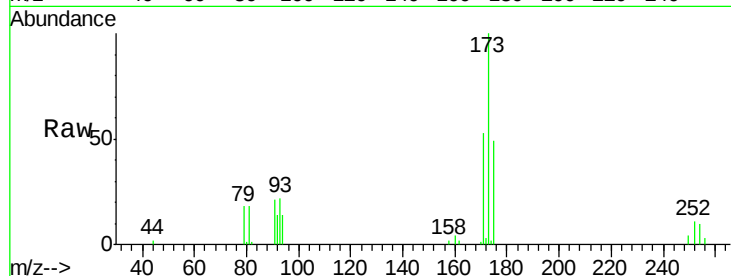
Tot Ion:173 Resp: 23937

Ion Ratio Lower Upper

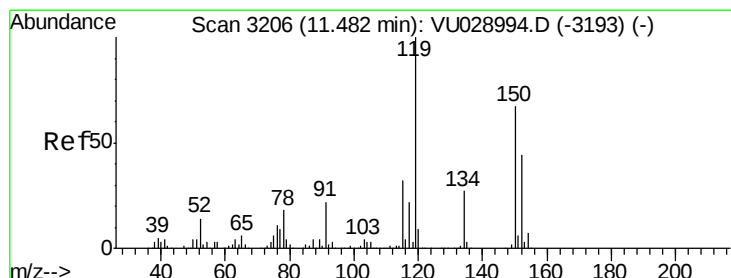
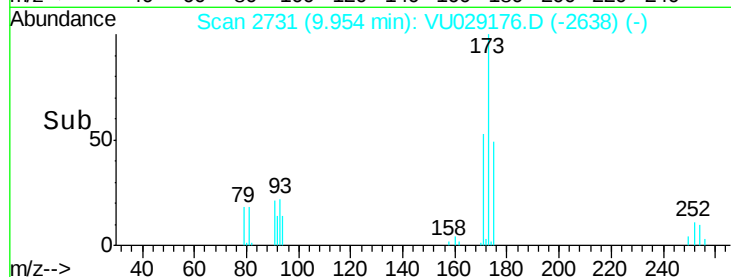
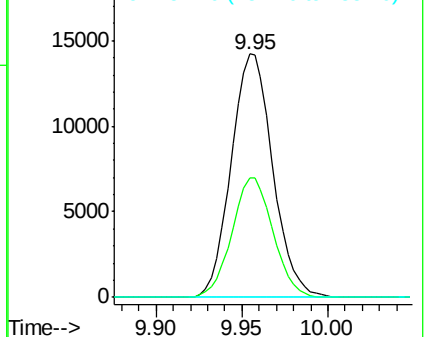
173 100

175 48.4 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# 3205

Delta R.T. -0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

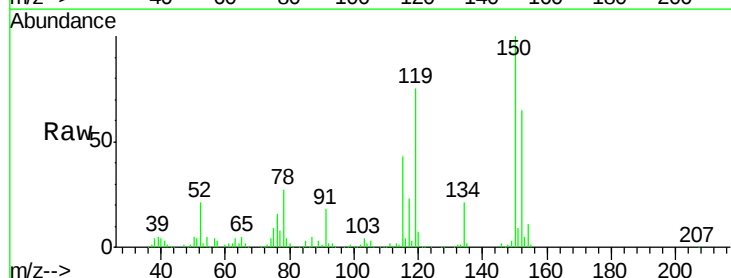
Tgt Ion:152 Resp: 87883

Ion Ratio Lower Upper

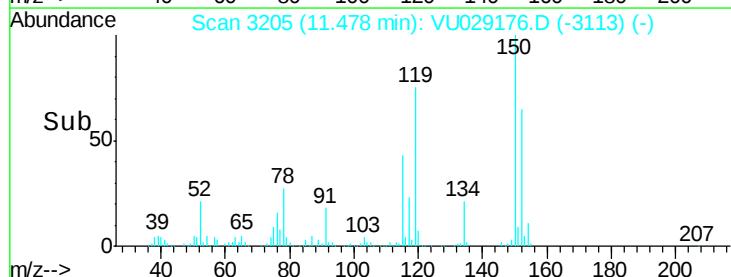
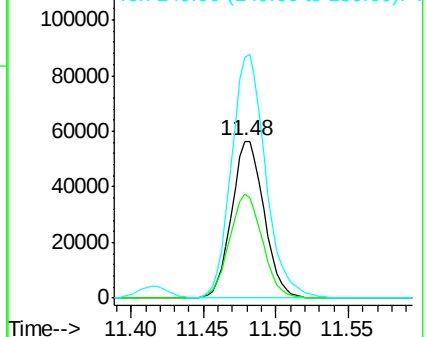
152 100

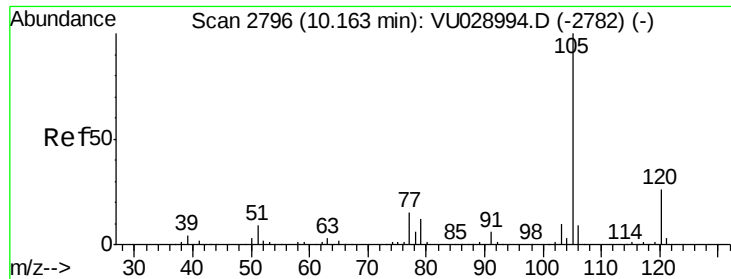
115 67.2 40.1 120.3

150 162.6 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.871 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

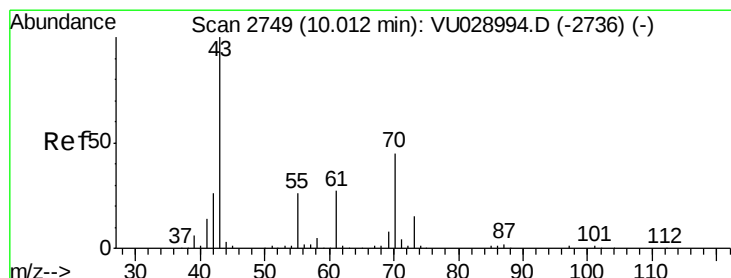
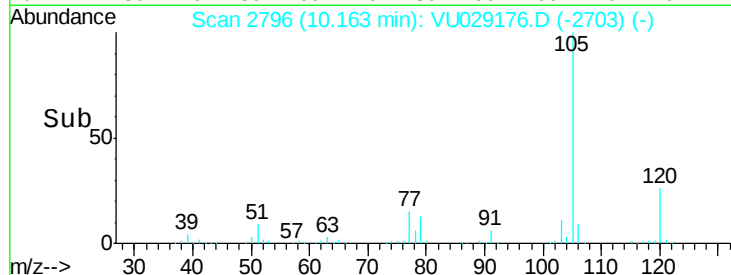
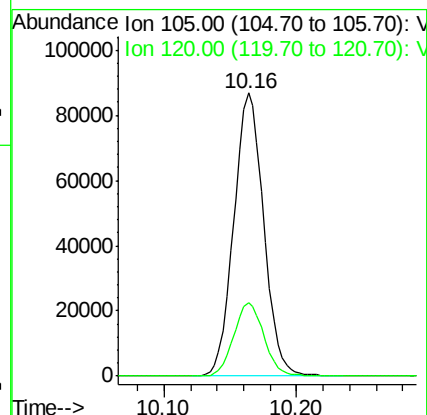
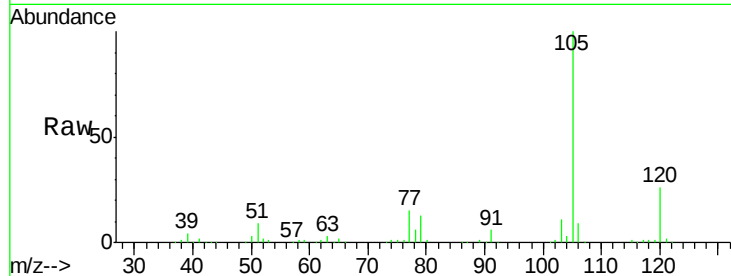
VU0115MBS01

Tot Ion:105 Resp: 135762

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 21.139 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 59253

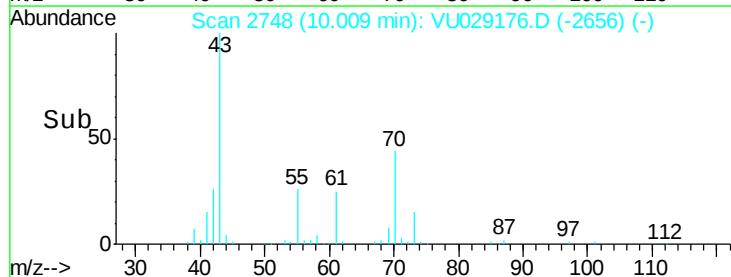
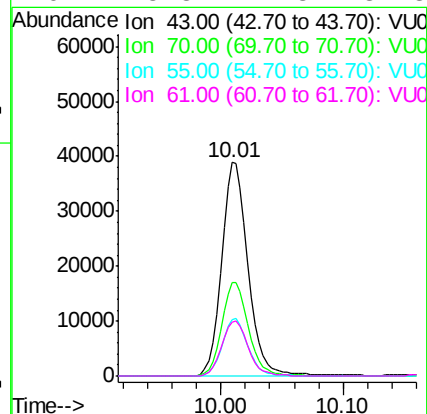
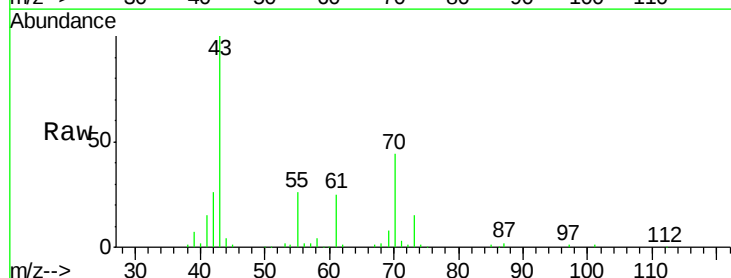
Ion Ratio Lower Upper

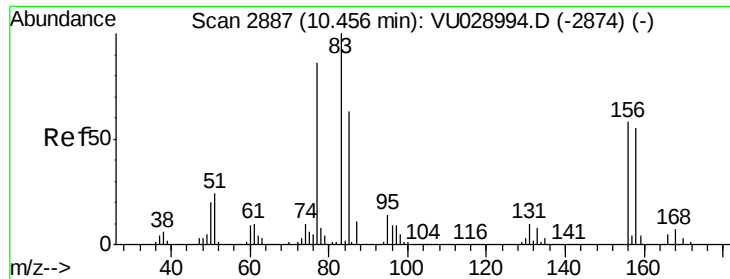
43 100

70 44.1 36.3 54.5

55 26.2 20.5 30.7

61 25.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.772 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

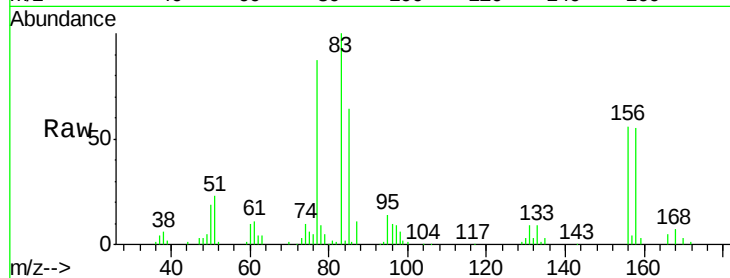
Tot Ion: 83 Resp: 54153

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

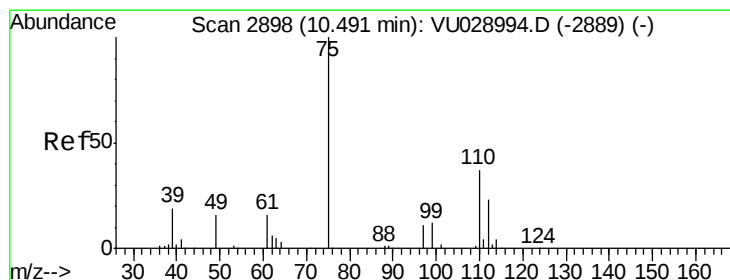
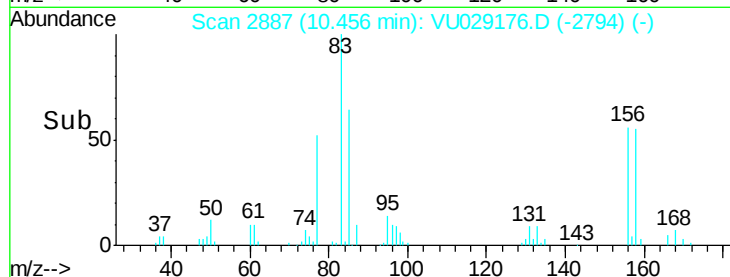
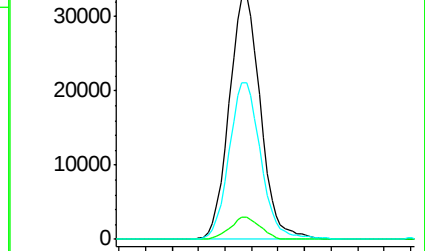
85 64.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU029176.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU029176.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU029176.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 27.977 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029176.D

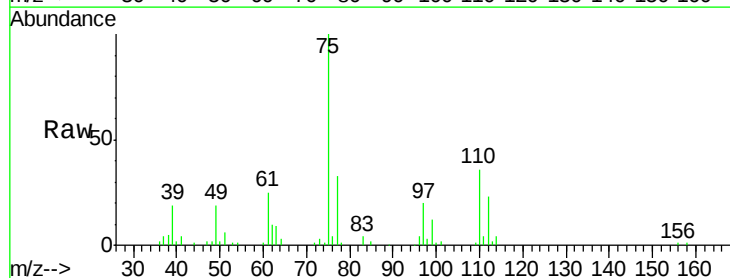
Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 60241

Ion Ratio Lower Upper

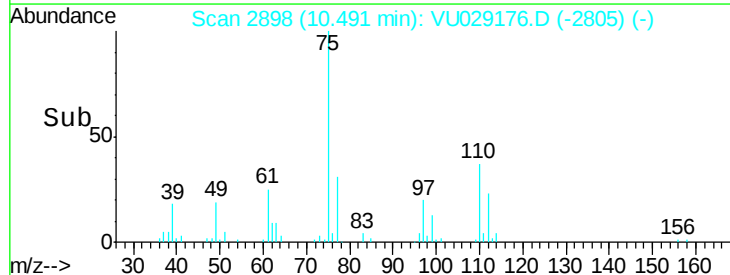
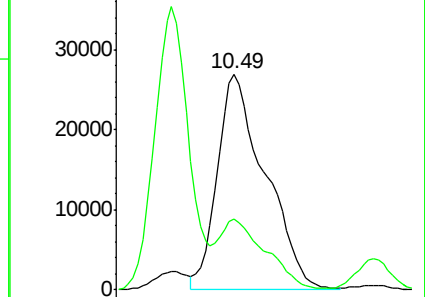
75 100

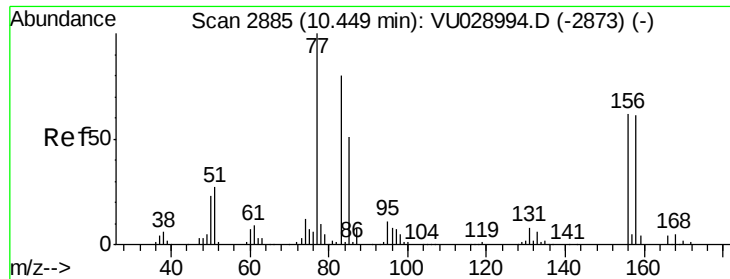
77 30.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU029176.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029176.D (-2805) (-)





#77

Bromobenzene

Concen: 20.706 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

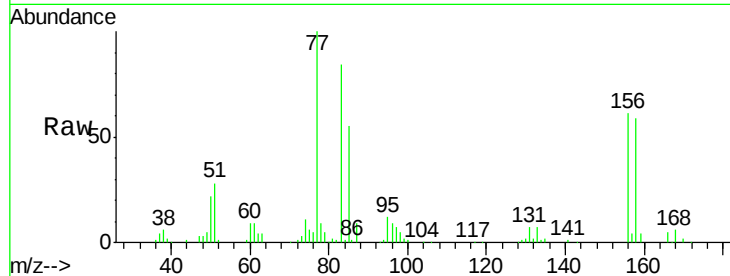
Tot Ion:156 Resp: 35100

Ion Ratio Lower Upper

156 100

77 159.7 79.0 237.2

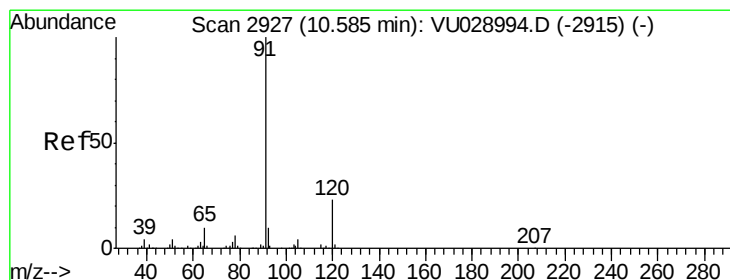
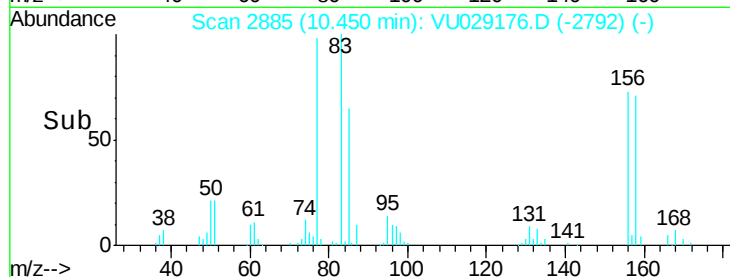
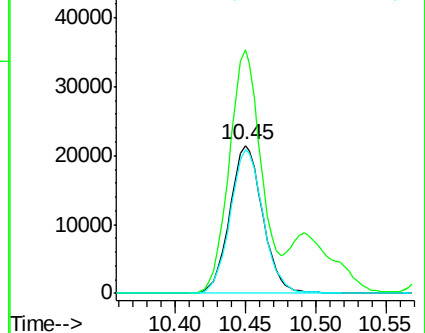
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.886 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029176.D

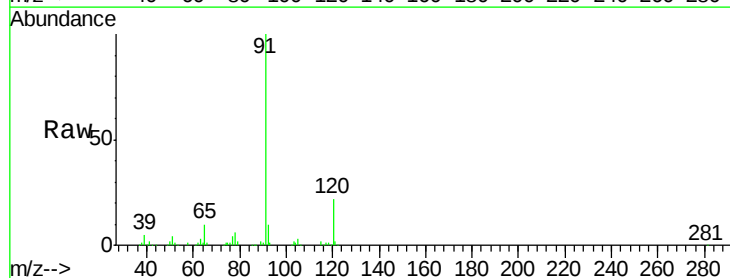
Acq: 15 Jan 2019 11:29

Tgt Ion: 91 Resp: 160110

Ion Ratio Lower Upper

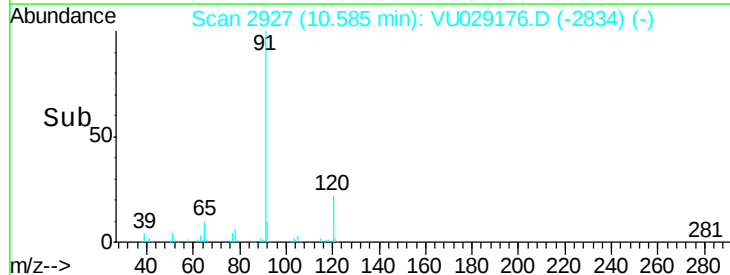
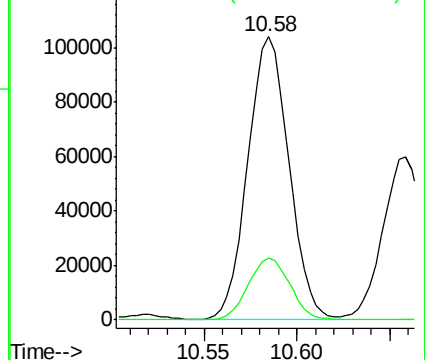
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

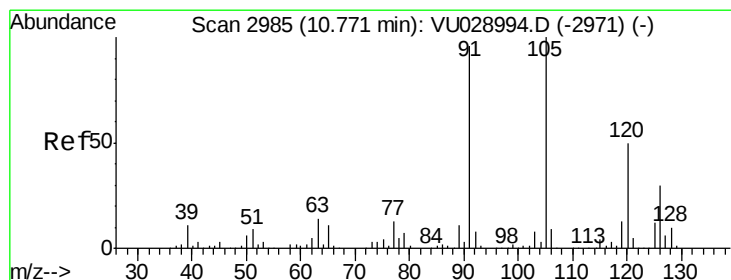
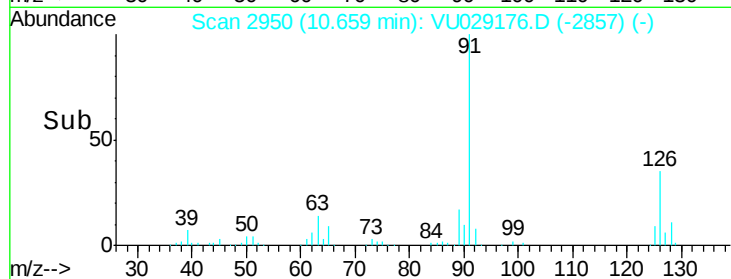
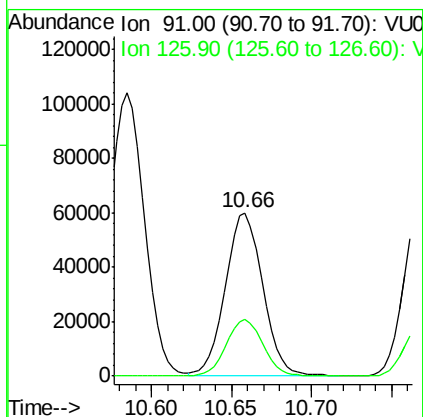
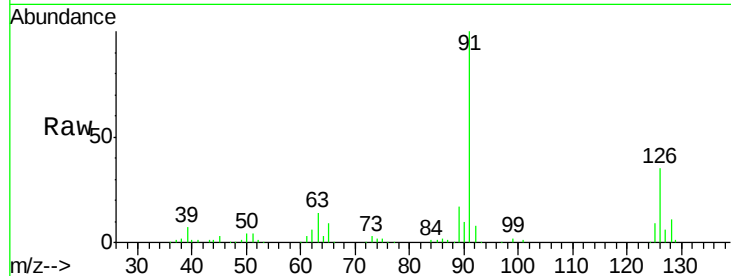




#79
 2-Chlorotoluene
 Concen: 20.398 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

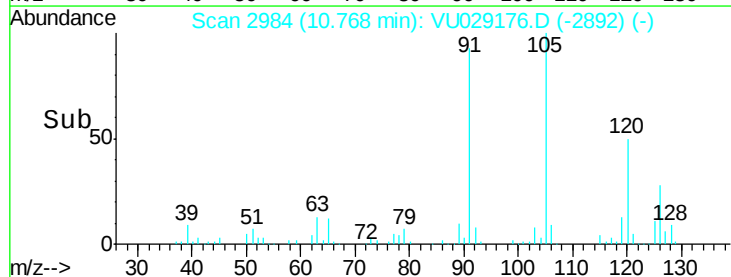
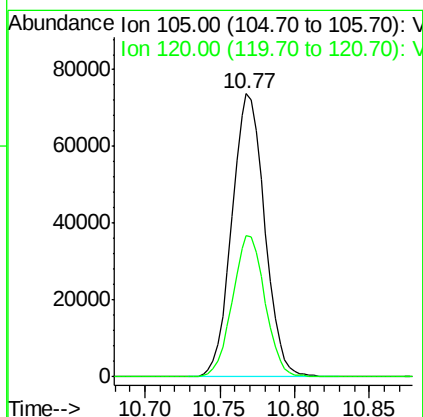
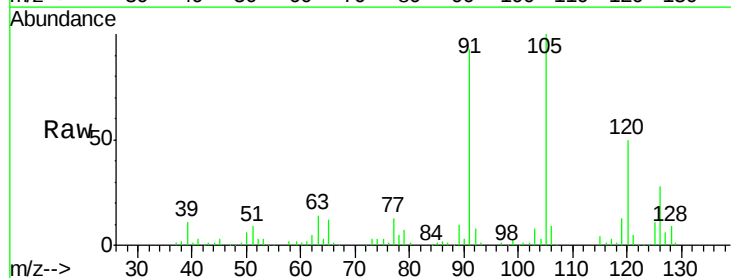
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

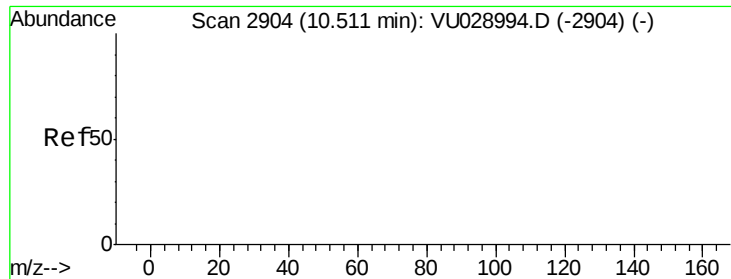
Tot Ion: 91 Resp: 94856
 Ion Ratio Lower Upper
 91 100
 126 34.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.719 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 105 Resp: 112545
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 72.153 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

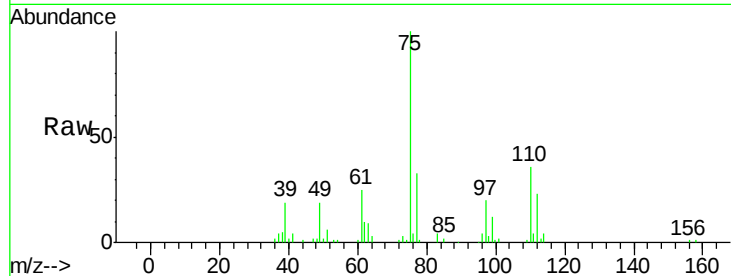
Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 75 Resp: 60241

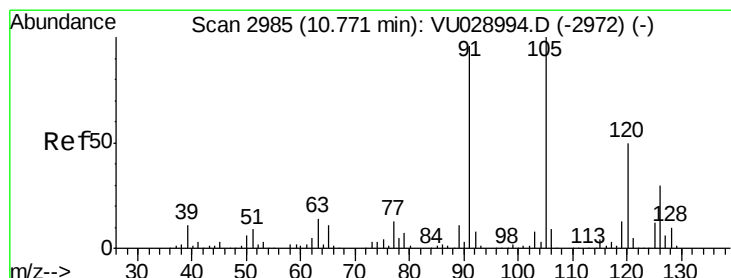
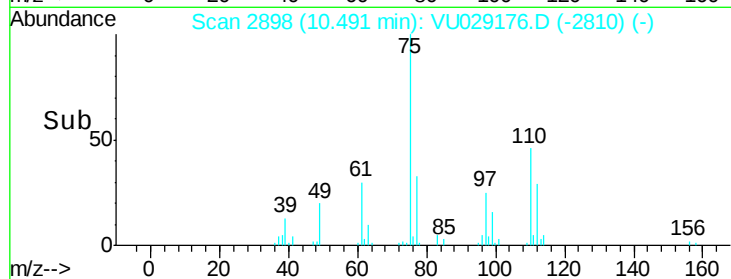
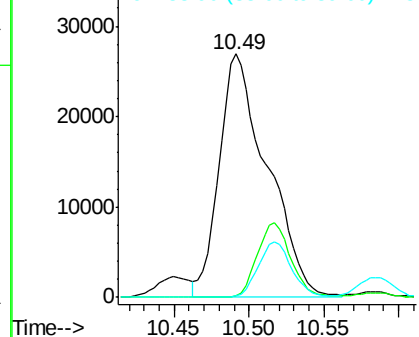
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.061 ug/l

RT: 10.77 min Scan# 2985

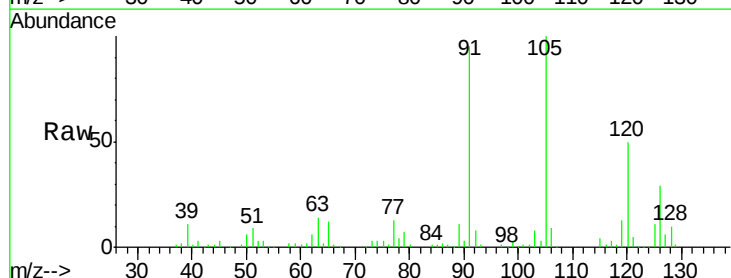
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

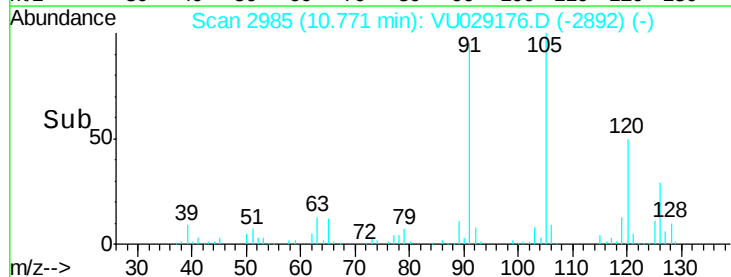
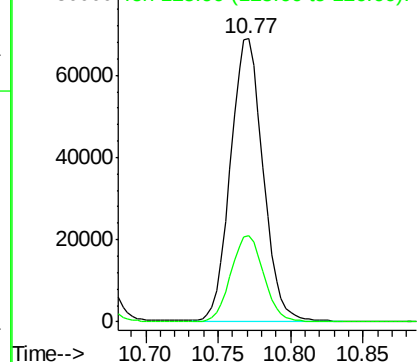
Tgt Ion: 91 Resp: 106972

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

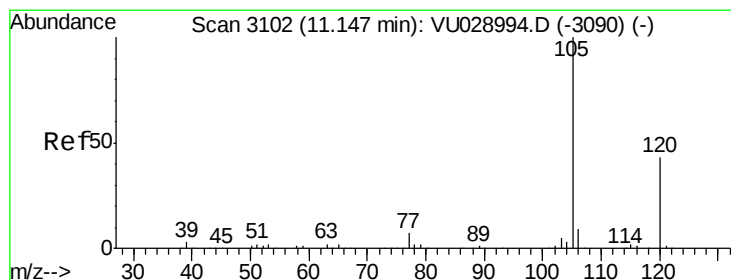
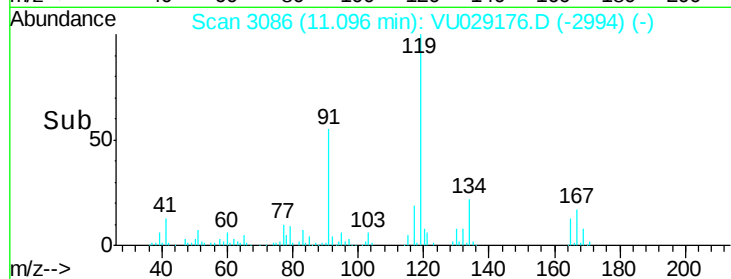
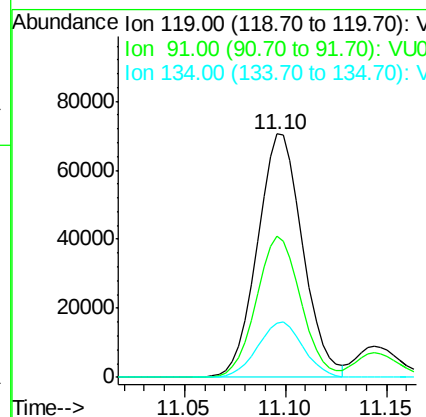
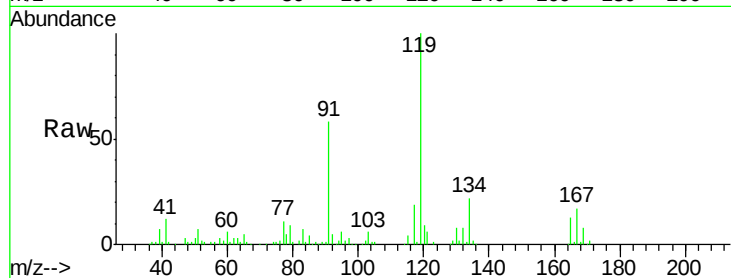




#83
 tert-Butylbenzene
 Concen: 20.637 ug/l
 RT: 11.10 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

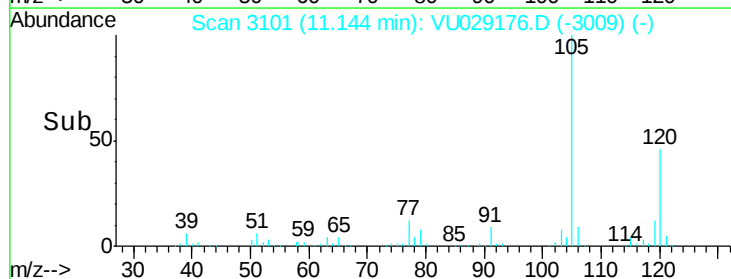
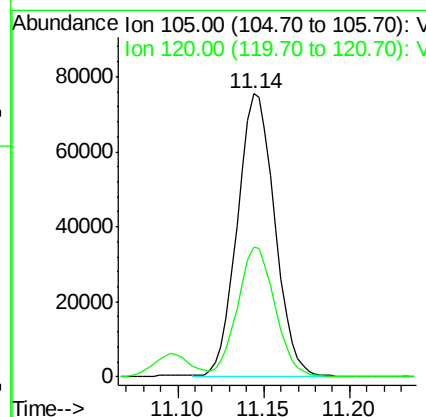
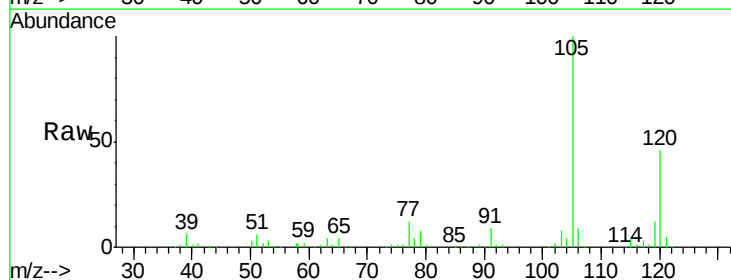
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

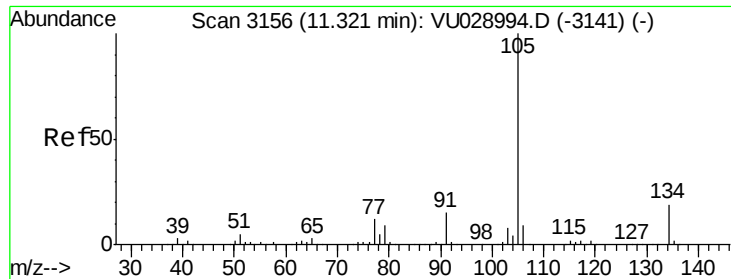
Tot Ion:119 Resp: 110488
 Ion Ratio Lower Upper
 119 100
 91 56.8 28.2 84.6
 134 22.8 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.889 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:105 Resp: 113287
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.445 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

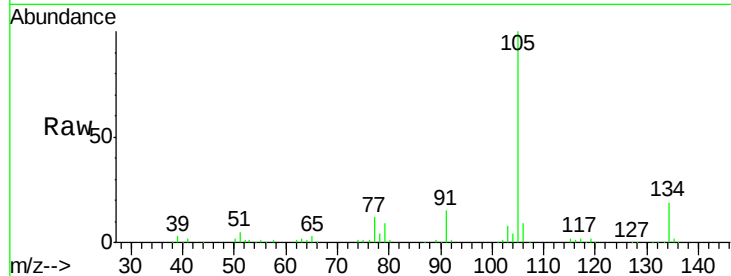
VU0115MBS01

Tot Ion:105 Resp: 138857

Ion Ratio Lower Upper

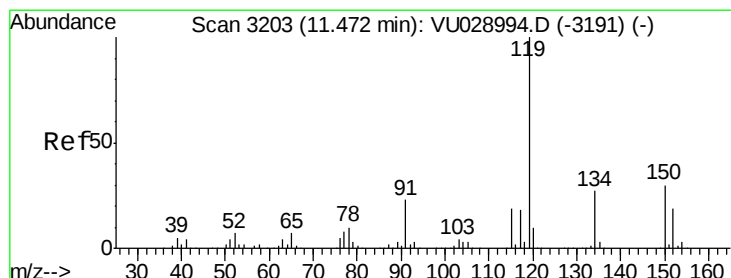
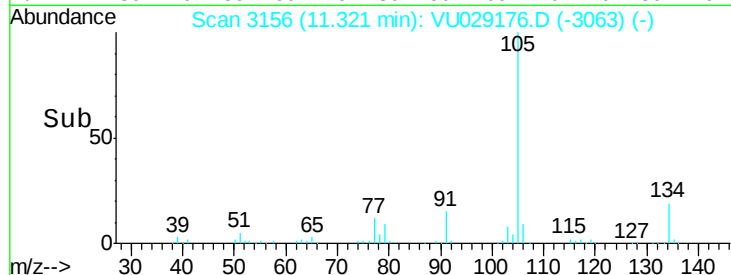
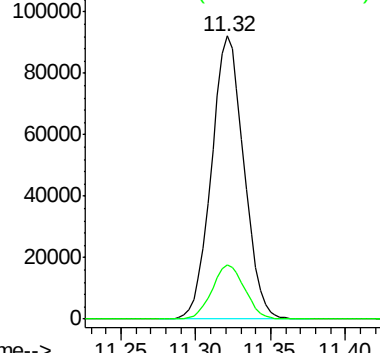
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.875 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

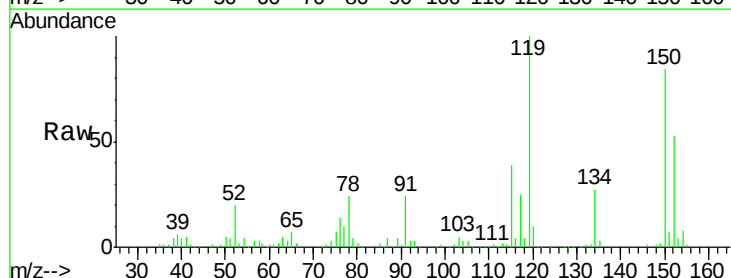
Tgt Ion:119 Resp: 115179

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

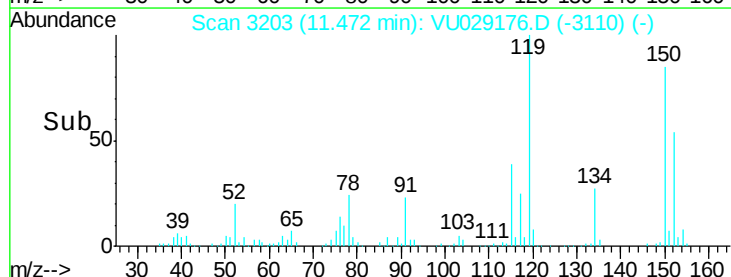
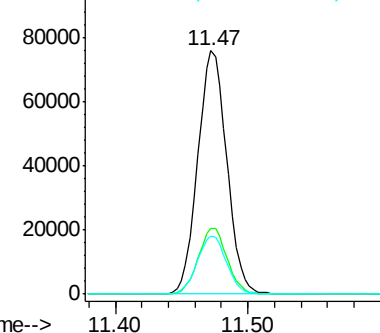
91 24.2 11.3 33.8

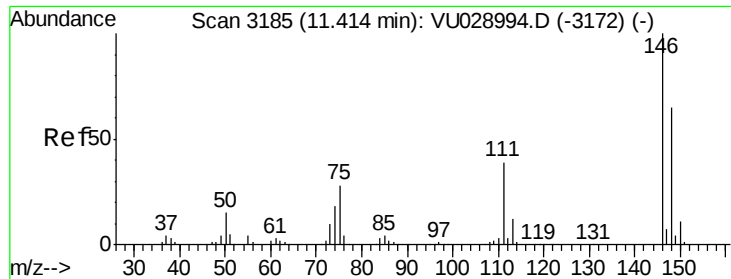


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

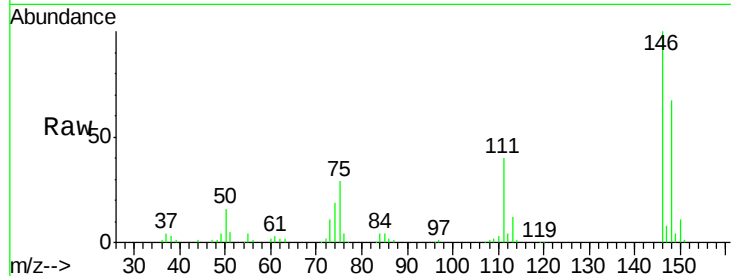




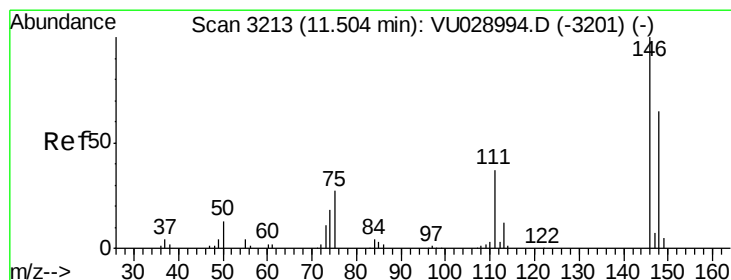
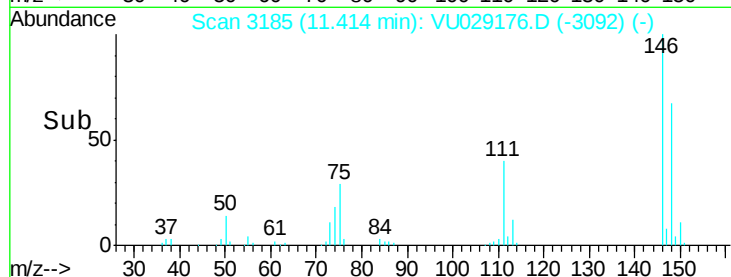
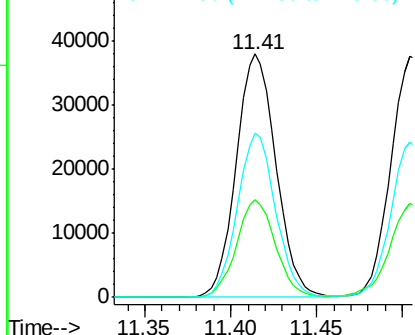
#87
 1,3-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion:146 Resp: 61214
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.3 57.8
 148 64.8 32.5 97.5

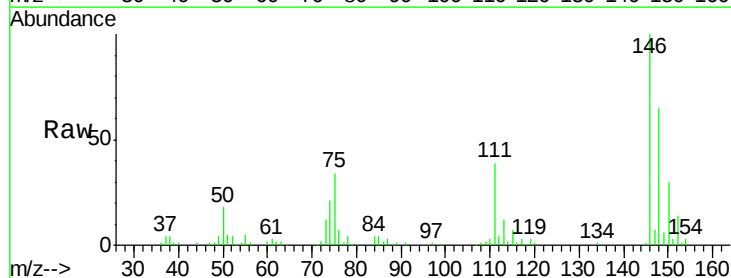


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

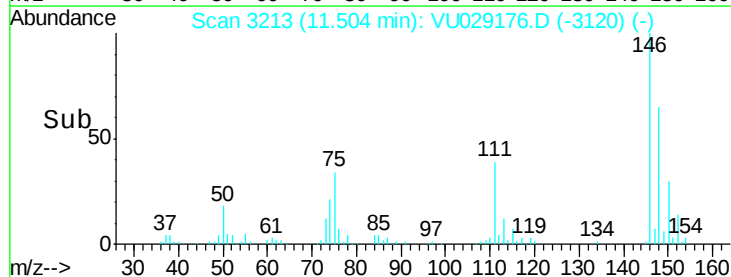
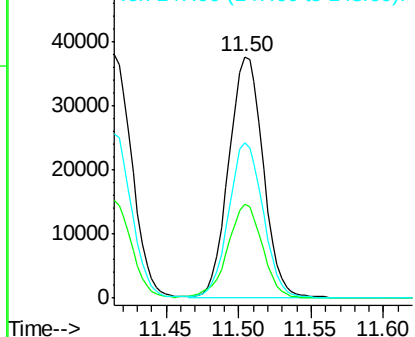


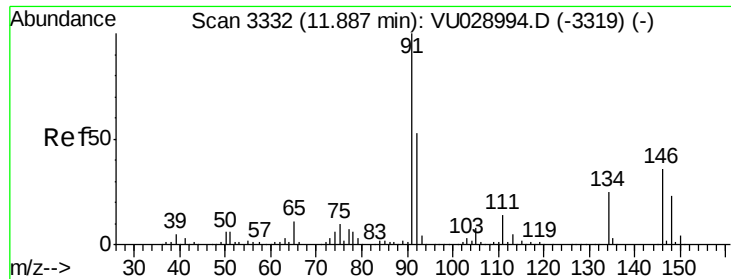
#88
 1,4-Dichlorobenzene
 Concen: 19.340 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:146 Resp: 62073
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.1 57.3
 148 64.4 32.6 98.0



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

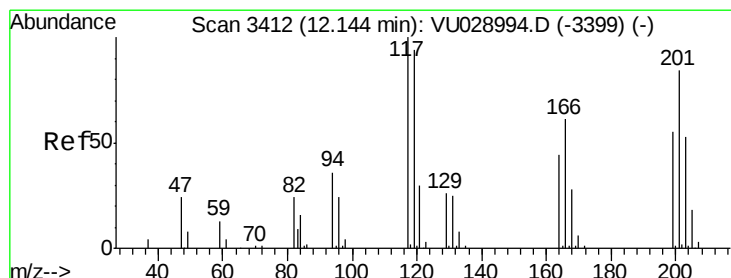
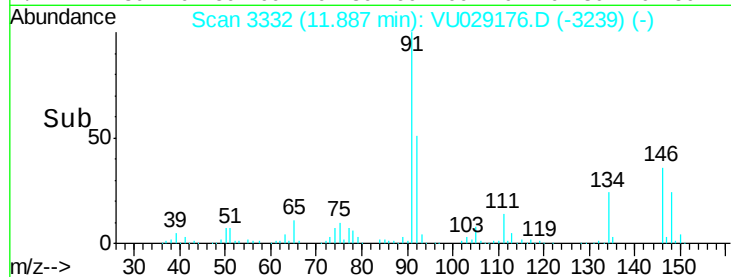
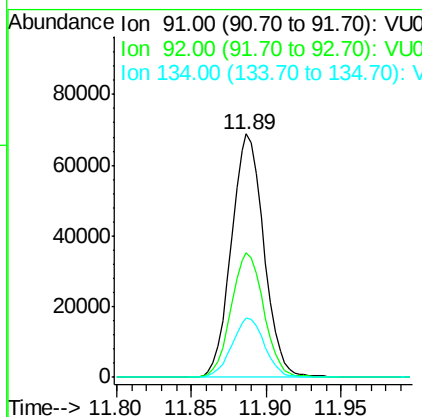
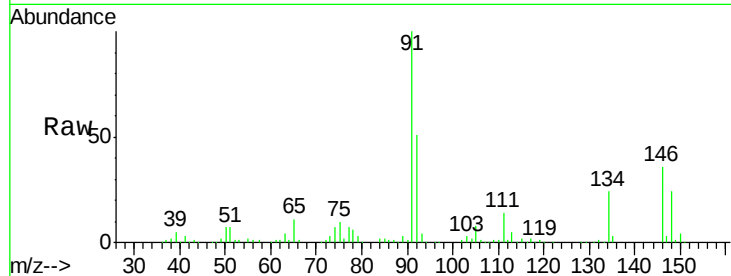




#89
n-Butylbenzene
Concen: 21.138 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

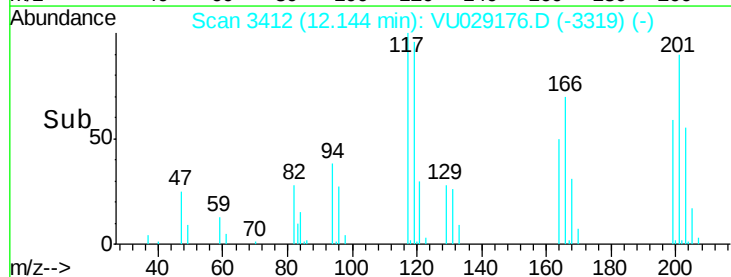
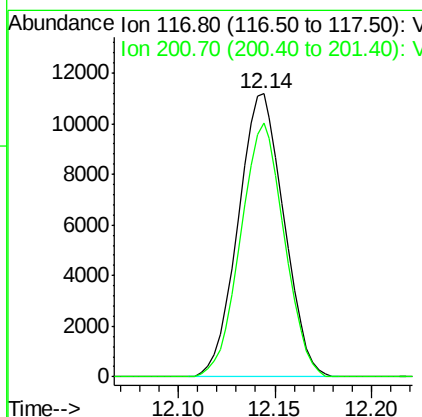
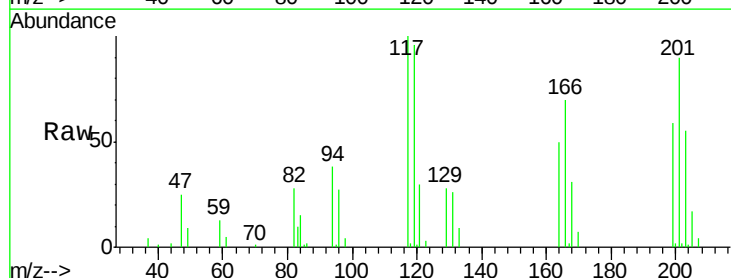
Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

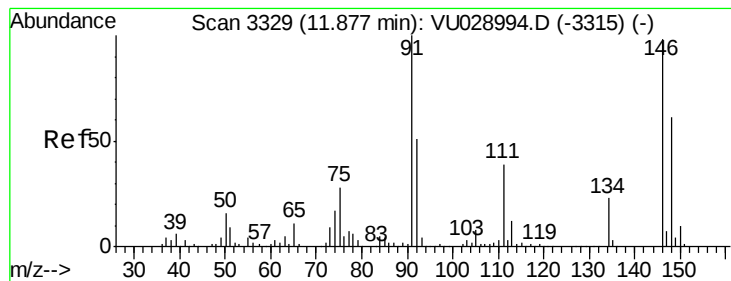
Tot Ion: 91 Resp: 104095
Ion Ratio Lower Upper
91 100
92 51.5 26.2 78.5
134 24.3 12.6 37.6



#90
Hexachloroethane
Concen: 19.840 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 117 Resp: 18416
Ion Ratio Lower Upper
117 100
201 85.6 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 19.888 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

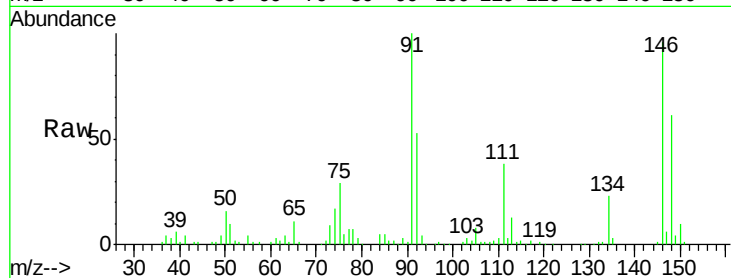
Tot Ion:146 Resp: 62285

Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

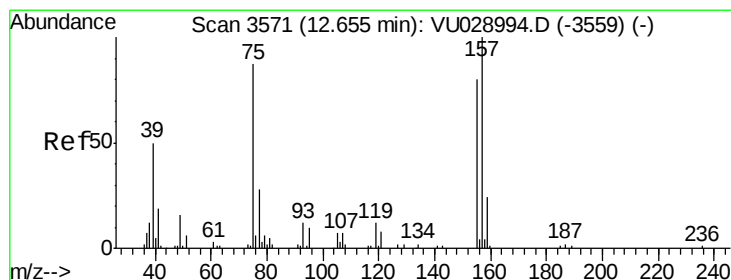
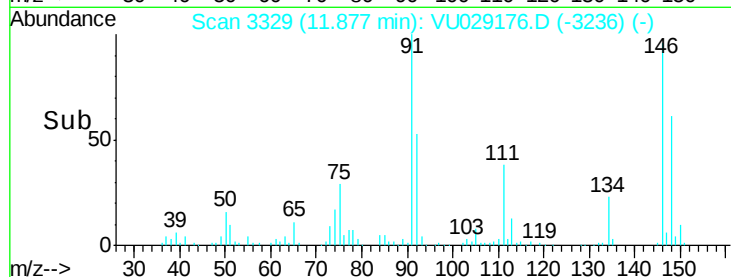
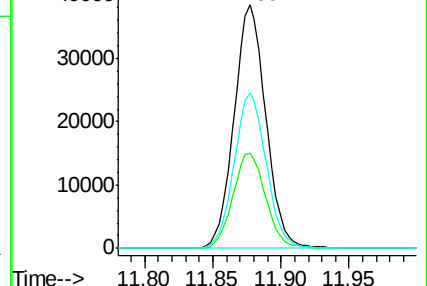
148 64.3 31.6 94.8



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: 21.770 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

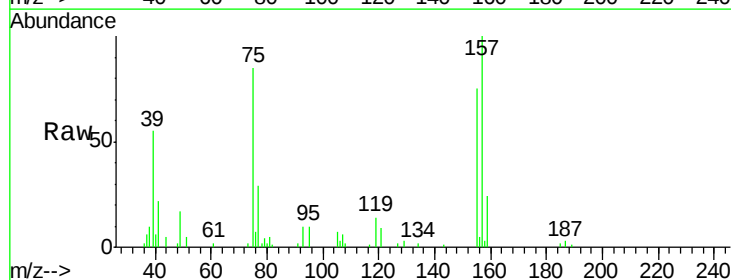
Tgt Ion: 75 Resp: 10916

Ion Ratio Lower Upper

75 100

155 88.0 46.3 138.8

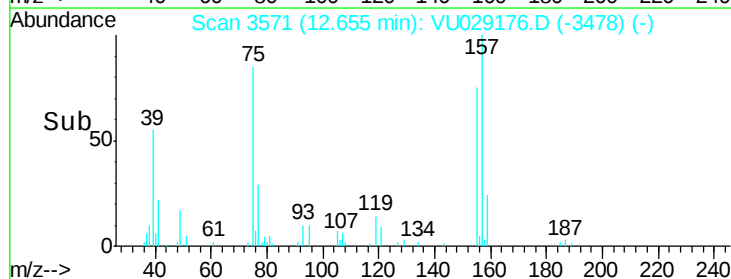
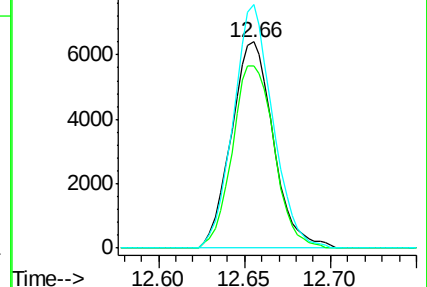
157 110.8 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

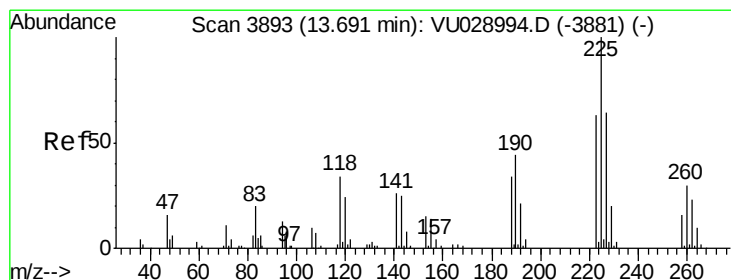
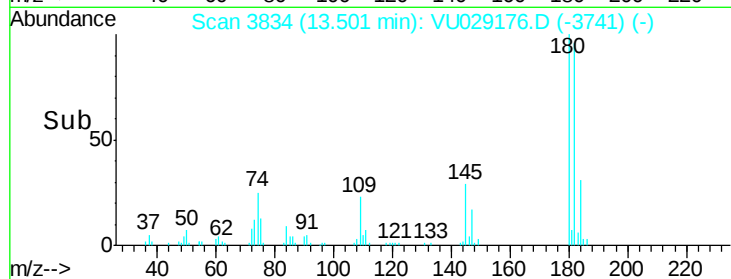
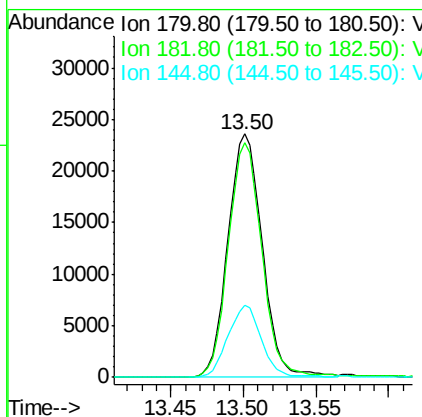
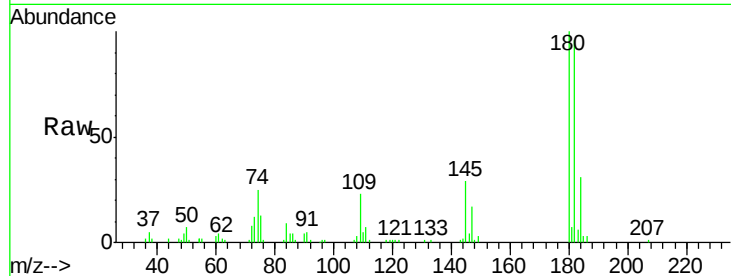




#93
 1,2,4-Trichlorobenzene
 Concen: 19.488 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

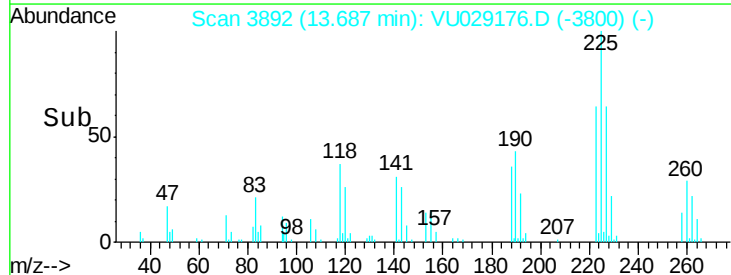
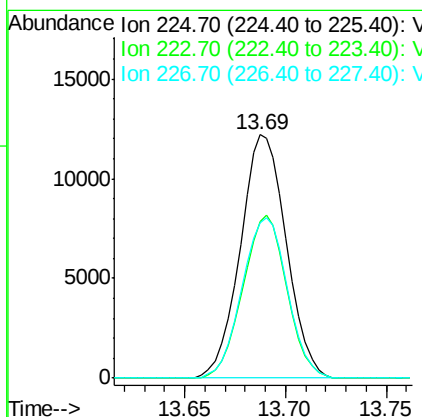
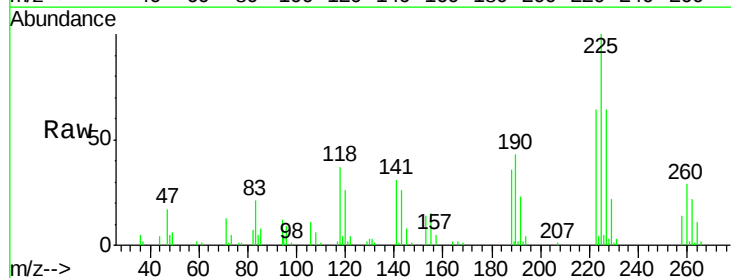
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

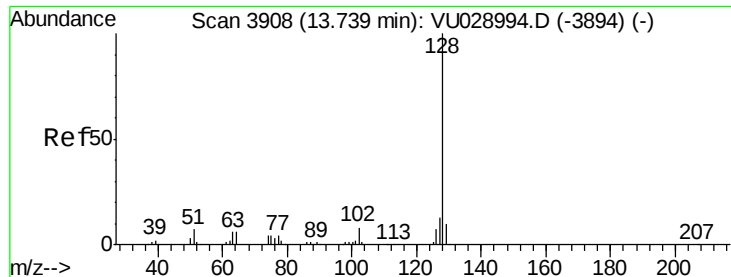
Tot Ion:180 Resp: 38960
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.5 142.6
 145 28.5 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 21.270 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:225 Resp: 19450
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.0
 227 65.1 31.9 95.5

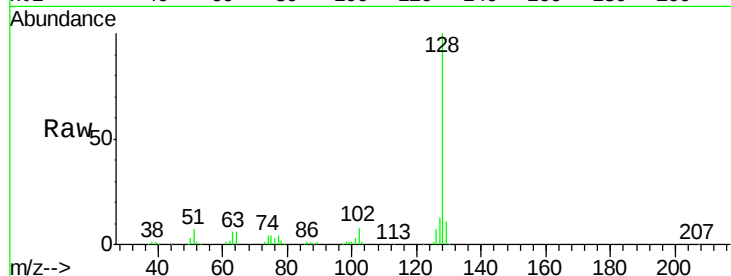




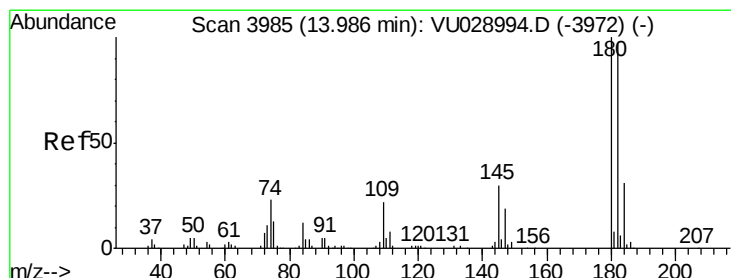
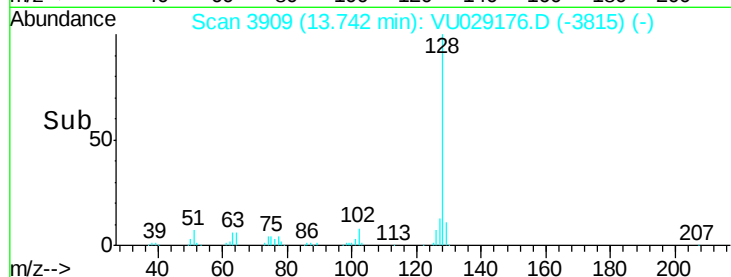
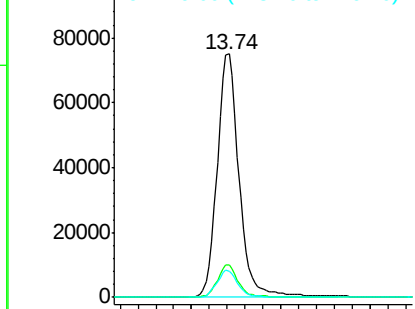
#95
Naphthalene
Concen: 18.798 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:128 Resp: 127841
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.5 12.7

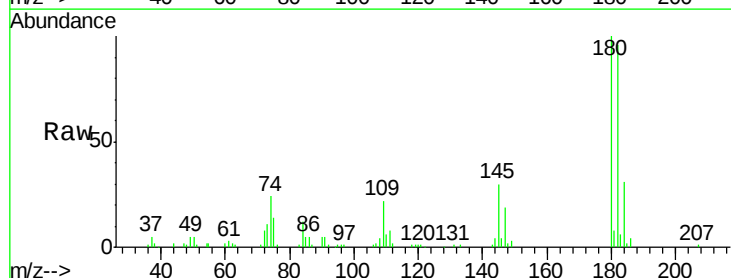


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.343 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:180 Resp: 40905
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 29.5 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

