

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028430.D
 Acq On : 03 Dec 2018 10:53
 Operator : MD/SY
 Sample : VU1203WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Quant Time: Dec 04 06:52:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	312415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	540269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	500378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	244271	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	238712	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	4.88	113	177098	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	7.56	98	683040	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	10.30	95	257195	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	76256	18.195	ug/l	96
3) Chloromethane	1.33	50	136617	16.818	ug/l	98
4) Vinyl Chloride	1.40	62	102238	17.988	ug/l	99
5) Bromomethane	1.62	94	43522	19.798	ug/l	99
6) Chloroethane	1.70	64	59463	18.182	ug/l	96
7) Trichlorofluoromethane	1.89	101	111983	18.968	ug/l	100
8) Diethyl Ether	2.10	74	52541	19.144	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	68298	19.859	ug/l	97
10) Methyl Iodide	2.41	142	50226	15.487	ug/l	98
11) Tert butyl alcohol	2.82	59	114845	96.820	ug/l	97
12) 1,1-Dichloroethene	2.28	96	65018	19.481	ug/l	91
13) Acrolein	2.19	56	79417	75.311	ug/l	100
14) Allyl chloride	2.59	41	149674	17.164	ug/l	96
15) Acrylonitrile	2.93	53	285029	90.841	ug/l	99
16) Acetone	2.32	43	301158	94.290	ug/l	99
17) Carbon Disulfide	2.48	76	226786	17.703	ug/l	100
18) Methyl Acetate	2.61	43	159147	17.896	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	254148	18.574	ug/l	98
20) Methylene Chloride	2.70	84	83959	18.590	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	73831	19.074	ug/l	95
22) Diisopropyl ether	3.57	45	312364	18.195	ug/l	96
23) Vinyl Acetate	3.52	43	1276020	89.419	ug/l	99
24) 1,1-Dichloroethane	3.45	63	157464	18.603	ug/l	99
25) 2-Butanone	4.26	43	417844	91.283	ug/l	100
26) 2,2-Dichloropropane	4.22	77	128262	19.080	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	86864	18.976	ug/l	95
28) Bromochloromethane	4.55	49	79098	18.689	ug/l	91
29) Tetrahydrofuran	4.64	42	266958	89.825	ug/l	96
30) Chloroform	4.67	83	143688	18.391	ug/l	99
31) Cyclohexane	4.99	56	156975	17.818	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	118554	18.911	ug/l	99
36) 1,1-Dichloropropene	5.14	75	109824	18.576	ug/l	99
37) Ethyl Acetate	4.38	43	146650	18.202	ug/l	98
38) Carbon Tetrachloride	5.13	117	94040	19.370	ug/l	99

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Quant Time: Dec 04 06:52:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	136282	19.551	ug/l	96
40) Benzene	5.39	78	336837	19.237	ug/l	97
41) Methacrylonitrile	4.54	41	82146	18.359	ug/l	93
42) 1,2-Dichloroethane	5.40	62	116920	18.535	ug/l	98
43) Isopropyl Acetate	5.55	43	240391	18.829	ug/l	99
44) Trichloroethene	6.19	130	75378	20.083	ug/l	100
45) 1,2-Dichloropropane	6.43	63	94632	18.455	ug/l	100
46) Dibromomethane	6.56	93	55696	18.910	ug/l	96
47) Bromodichloromethane	6.76	83	110364	18.838	ug/l	99
48) Methyl methacrylate	6.62	41	117176	17.619	ug/l	97
49) 1,4-Dioxane	6.61	88	45224	425.665	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	737038	90.387	ug/l	98
52) Toluene	7.64	92	197818	19.618	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	135167	19.295	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	141714	18.883	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	77267	18.412	ug/l	97
56) Ethyl methacrylate	8.02	69	134650	18.861	ug/l	98
57) 1,3-Dichloropropane	8.24	76	143346	18.627	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	344253	89.815	ug/l	97
59) 2-Hexanone	8.36	43	573754	90.837	ug/l	98
60) Dibromochloromethane	8.48	129	78120	19.573	ug/l	98
61) 1,2-Dibromoethane	8.58	107	85195	19.822	ug/l	99
64) Tetrachloroethene	8.23	164	64240	19.517	ug/l	98
65) Chlorobenzene	9.12	112	206006	19.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69504	19.516	ug/l	98
67) Ethyl Benzene	9.25	91	375610	19.194	ug/l	99
68) m/p-Xylenes	9.37	106	277696	39.426	ug/l	99
69) o-Xylene	9.78	106	133949	19.130	ug/l	98
70) Styrene	9.79	104	221292	19.596	ug/l	99
71) Bromoform	9.96	173	57893	19.340	ug/l #	98
73) Isopropylbenzene	10.16	105	364486	19.185	ug/l	98
74) N-amyl acetate	10.01	43	202675	17.027	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	139479	17.853	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	167557	24.736	ug/l	79
77) Bromobenzene	10.45	156	84060	18.778	ug/l	95
78) n-propylbenzene	10.58	91	443496	18.923	ug/l	100
79) 2-Chlorotoluene	10.66	91	258263	18.693	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	301605	18.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	167557	65.661	ug/l #	100
82) 4-Chlorotoluene	10.77	91	294875	18.524	ug/l	99
83) tert-Butylbenzene	11.10	119	285674	19.142	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	304850	18.799	ug/l	97
85) sec-Butylbenzene	11.32	105	365151	18.838	ug/l	100
86) p-Isopropyltoluene	11.48	119	307885	19.317	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	152631	18.694	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	153139	18.637	ug/l	97
89) n-Butylbenzene	11.89	91	299435	19.035	ug/l	99
90) Hexachloroethane	12.14	117	45593	18.322	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	150571	18.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31376	18.055	ug/l	98

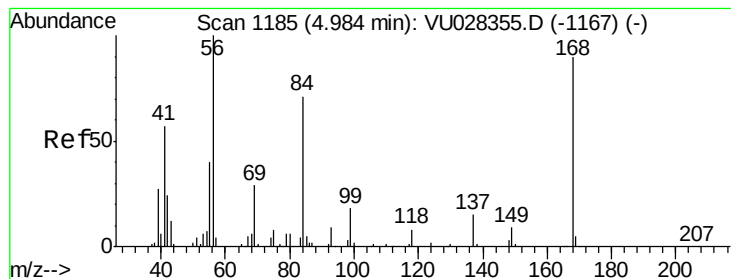
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\
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Acq On : 03 Dec 2018 10:53
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Quant Time: Dec 04 06:52:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	101363	19.010	ug/l	99
94) Hexachlorobutadiene	13.69	225	46450	18.449	ug/l	96
95) Naphthalene	13.74	128	354941	19.121	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	106056	19.666	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

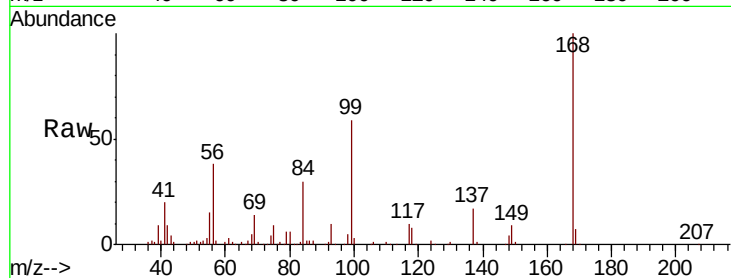
VU1203WBS01

Tot Ion:168 Resp: 312415

Ion Ratio Lower Upper

168 100

99 58.6 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

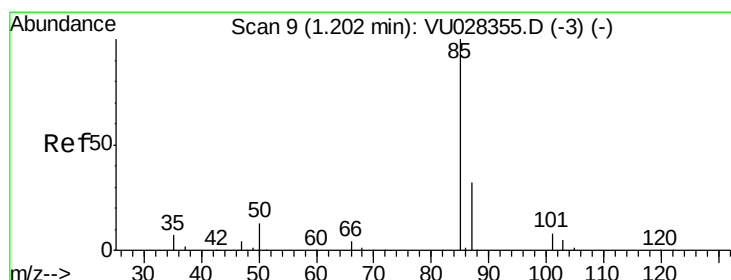
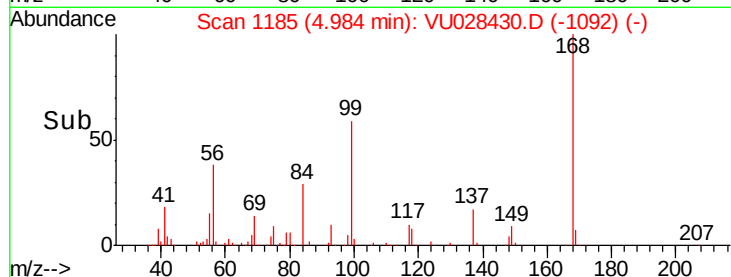
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.195 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028430.D

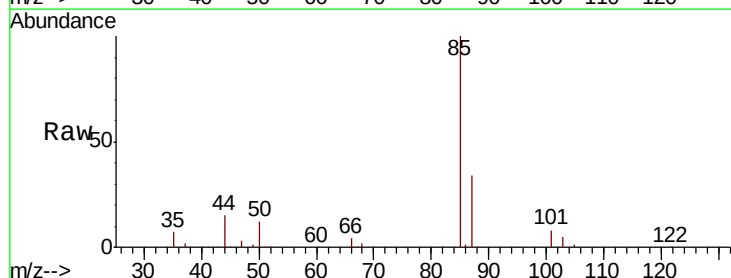
Acq: 03 Dec 2018 10:53

Tgt Ion: 85 Resp: 76256

Ion Ratio Lower Upper

85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

80000

60000

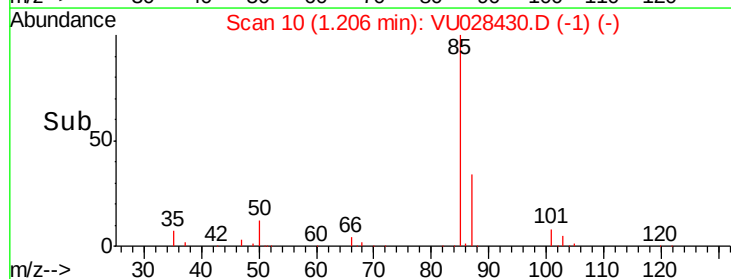
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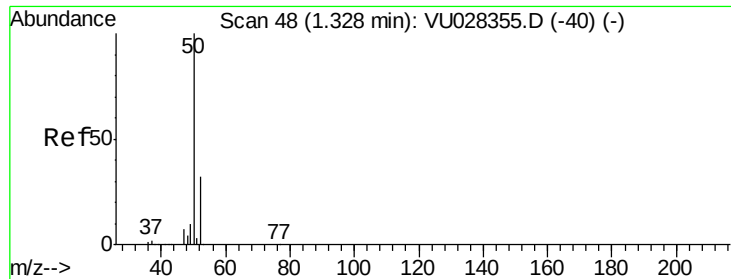
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.818 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

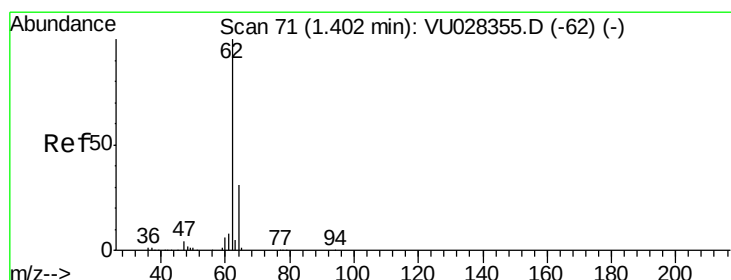
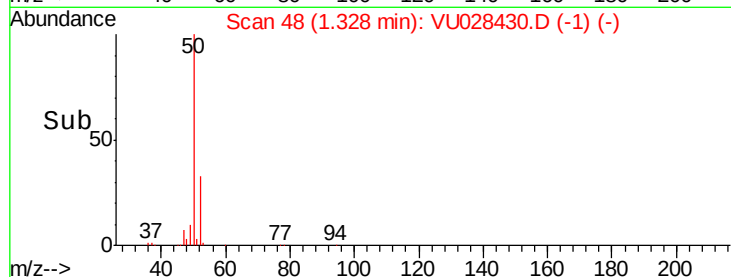
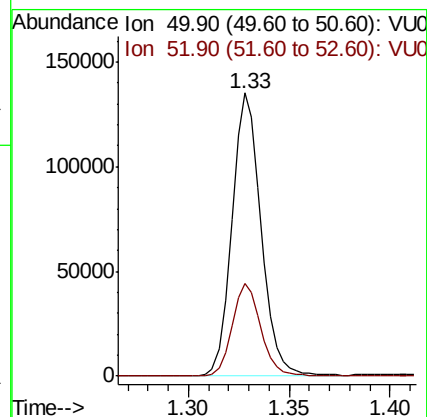
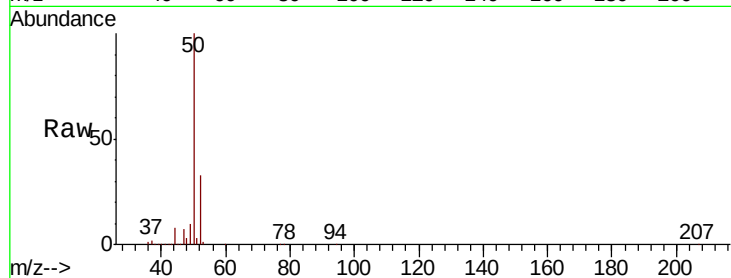
VU1203WBS01

Tot Ion: 50 Resp: 136617

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.2



#4

Vinyl Chloride

Concen: 17.988 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028430.D

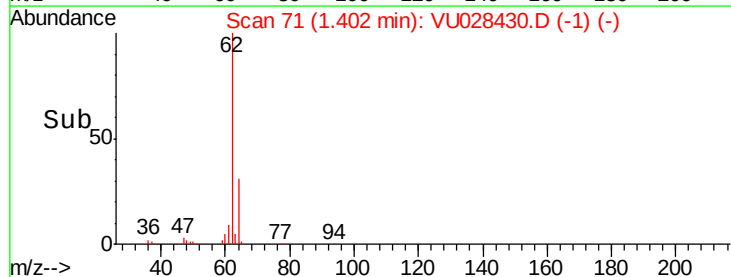
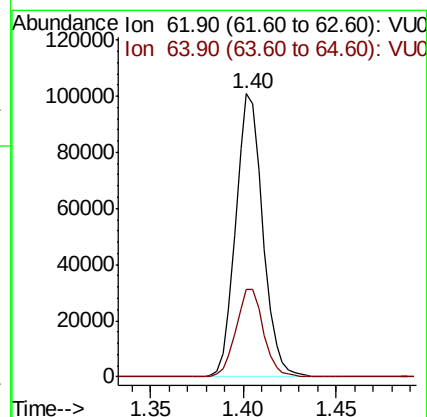
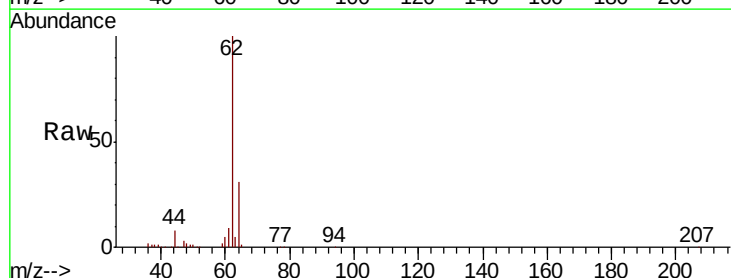
Acq: 03 Dec 2018 10:53

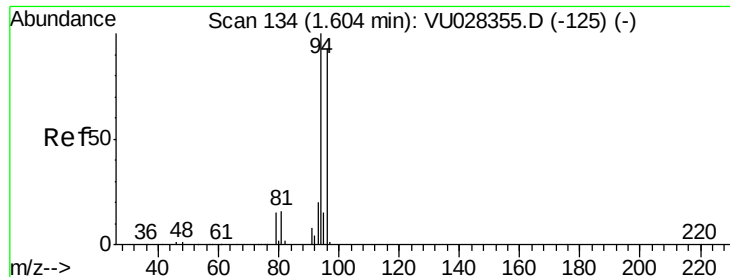
Tgt Ion: 62 Resp: 102238

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 19.798 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

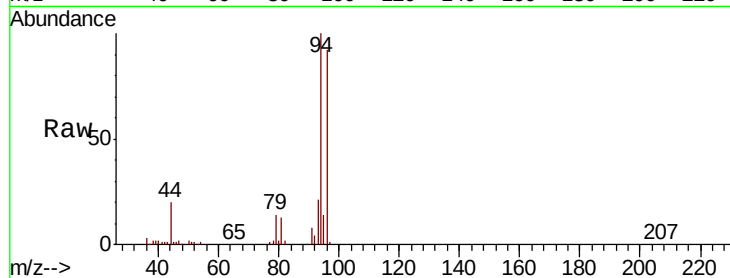
VU1203WBS01

Tot Ion: 94 Resp: 43522

Ion Ratio Lower Upper

94 100

96 92.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU028430.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028430.D (-125) (-)

1.62

30000

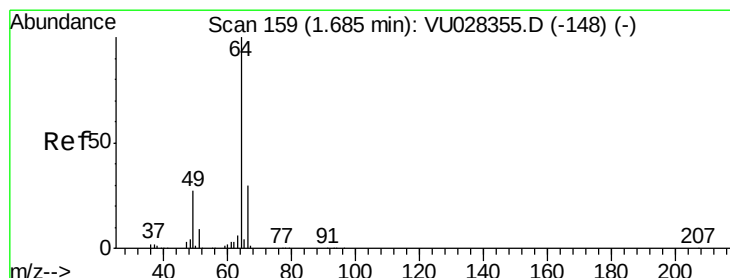
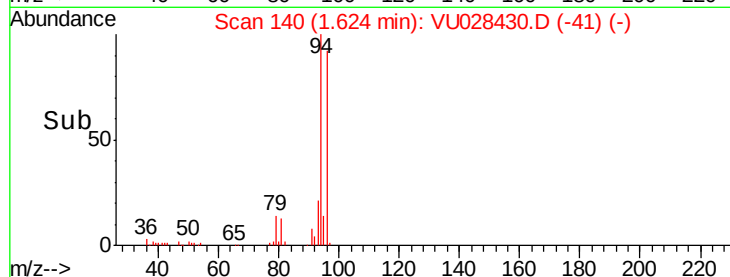
20000

10000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 18.182 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU028430.D

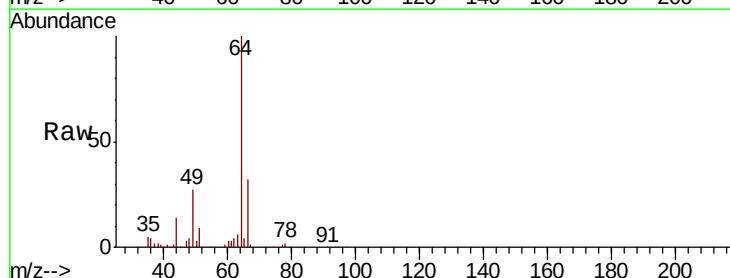
Acq: 03 Dec 2018 10:53

Tgt Ion: 64 Resp: 59463

Ion Ratio Lower Upper

64 100

66 31.6 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028430.D (-148) (-)

Ion 65.90 (65.60 to 66.60): VU028430.D (-148) (-)

1.70

50000

40000

30000

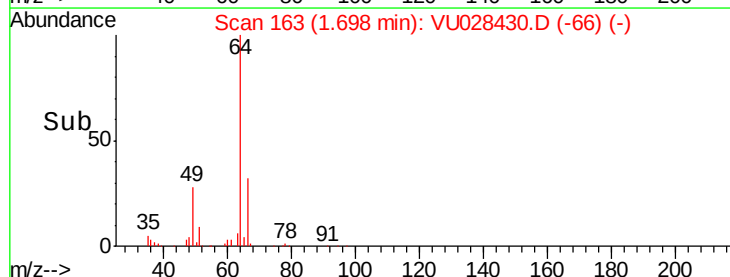
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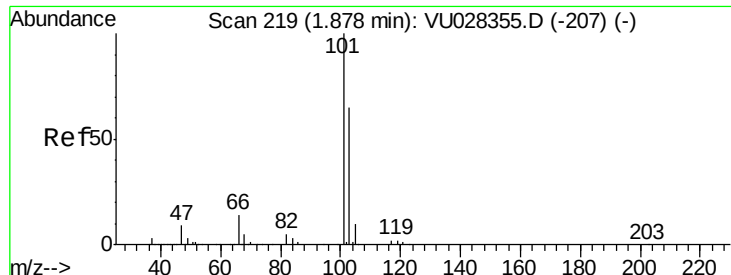
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0

Time-->

1.65 1.70 1.75



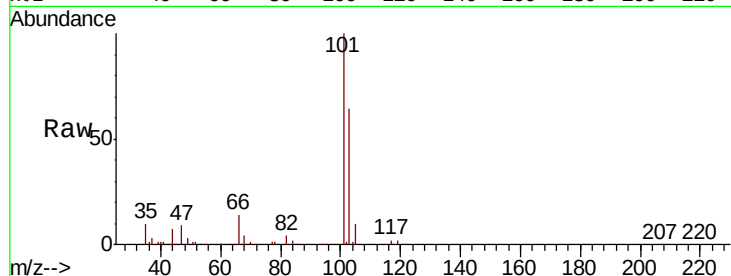


#7

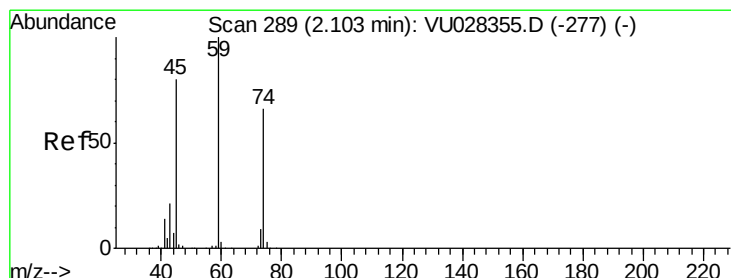
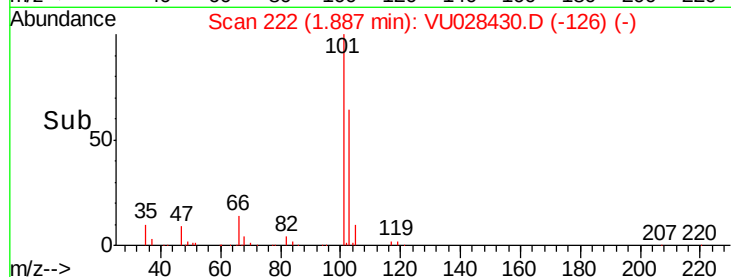
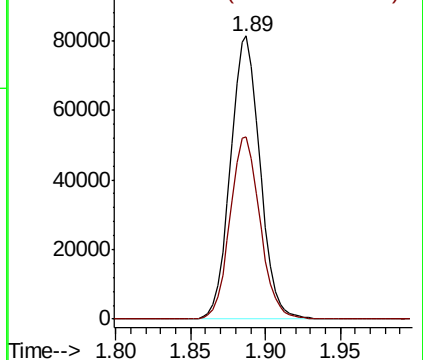
Trichlorofluoromethane
 Concen: 18.968 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
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 ClientSampleId :
 VU1203WBS01

Tot Ion:101 Resp: 111983
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4



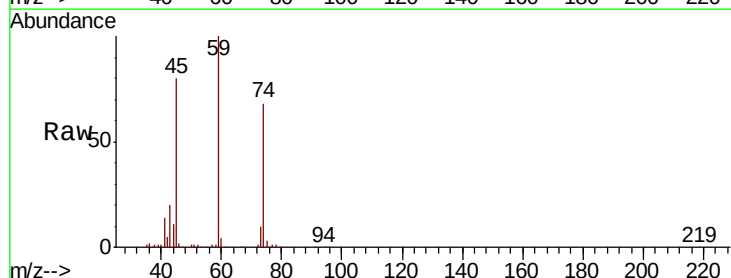
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



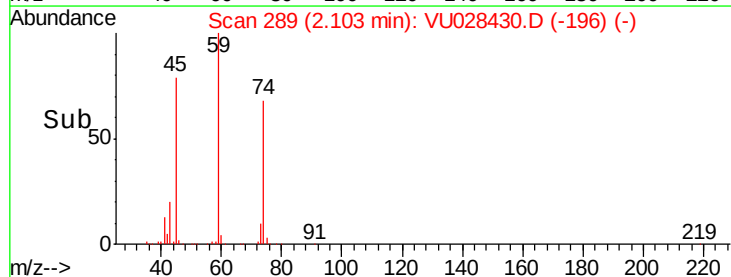
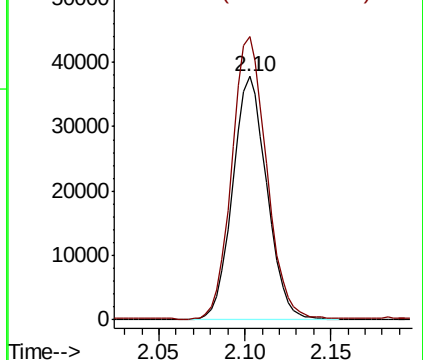
#8

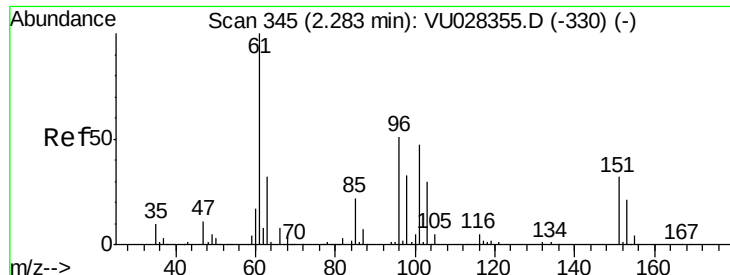
Diethyl Ether
 Concen: 19.144 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 74 Resp: 52541
 Ion Ratio Lower Upper
 74 100
 45 118.0 63.0 189.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.859 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

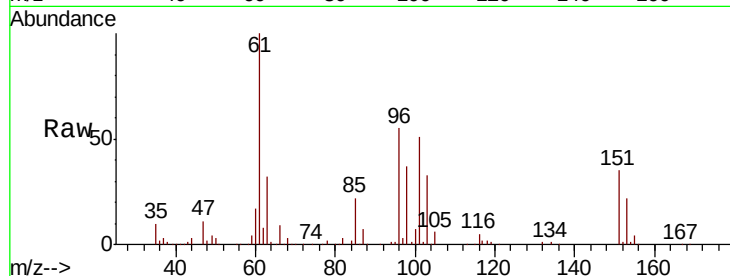
Tot Ion:101 Resp: 68298

Ion Ratio Lower Upper

101 100

85 44.9 37.2 55.8

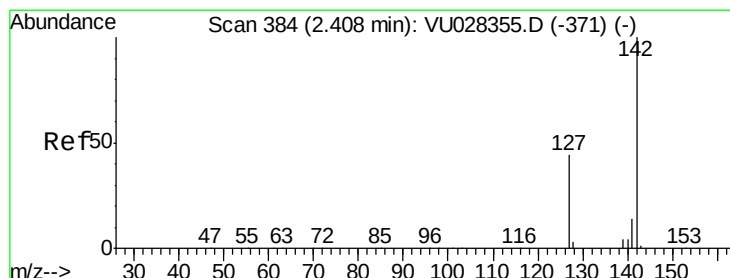
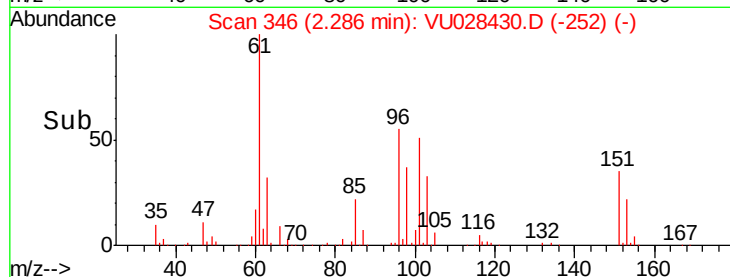
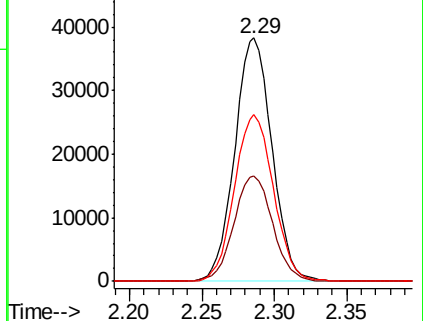
151 71.4 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.487 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

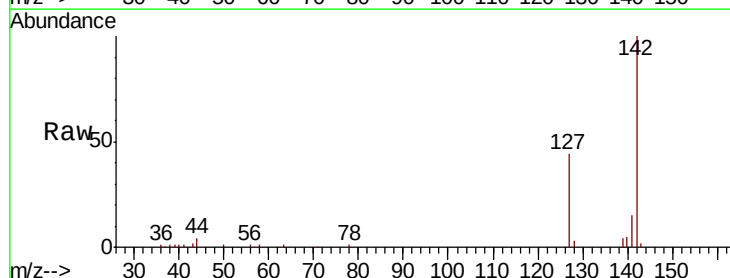
Tgt Ion:142 Resp: 50226

Ion Ratio Lower Upper

142 100

127 42.4 35.0 52.6

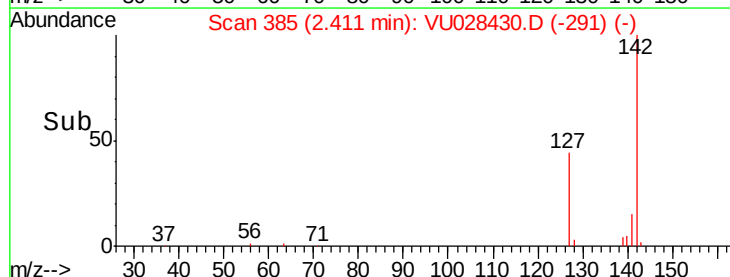
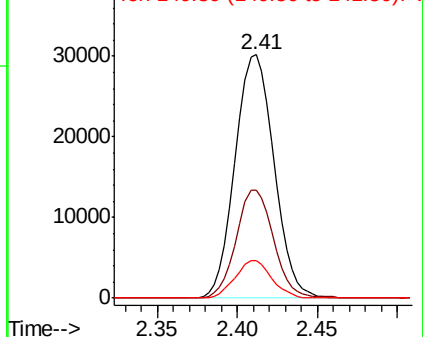
141 14.4 11.2 16.8

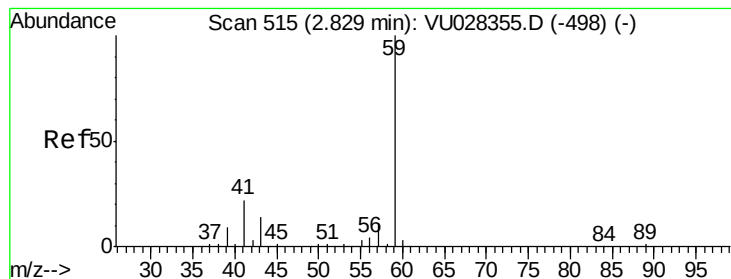


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



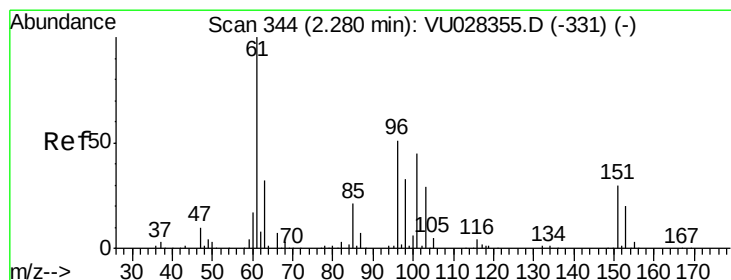
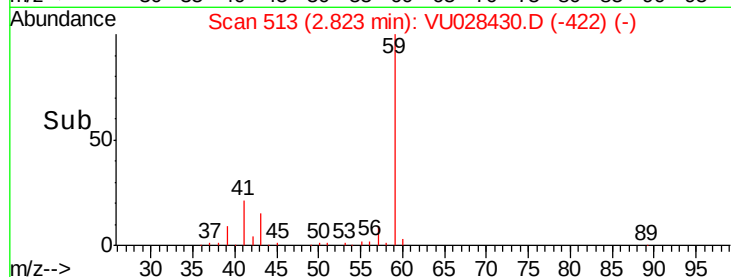
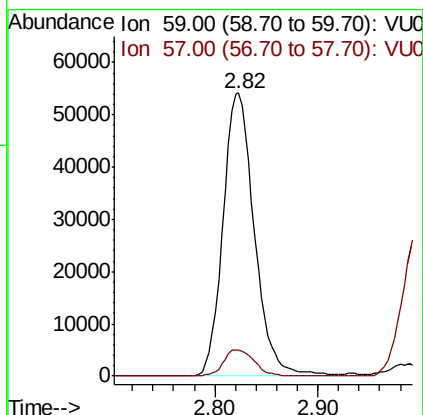
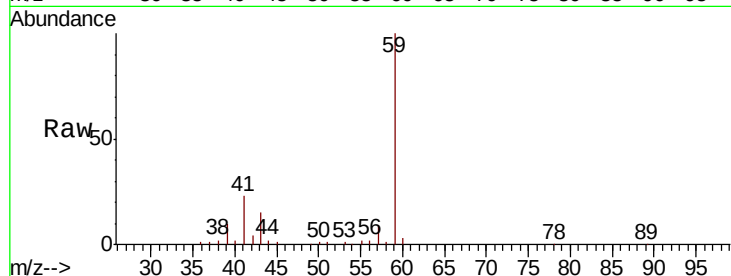


#11

Tert butyl alcohol
 Concen: 96.820 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

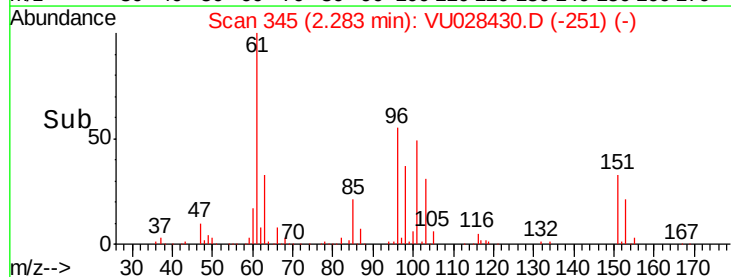
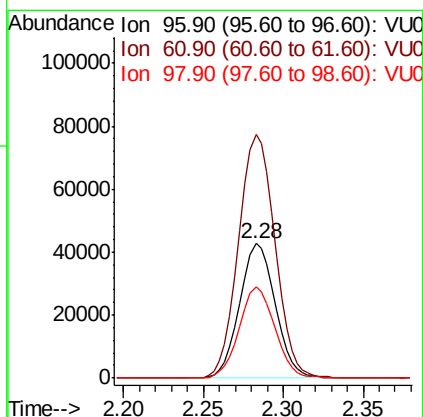
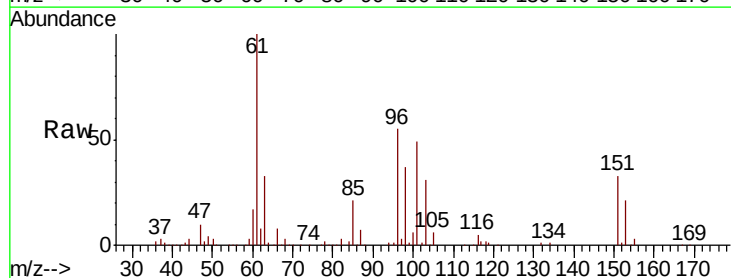
Tot Ion: 59 Resp: 114845
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.3 12.5

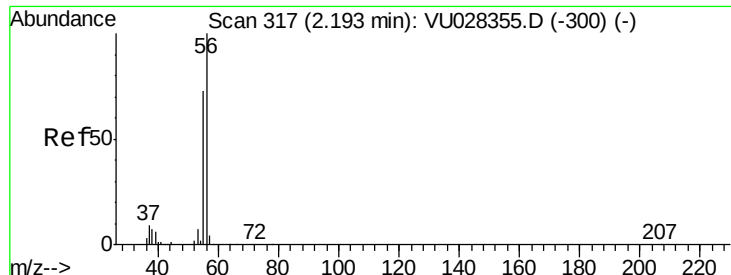


#12

1,1-Dichloroethene
 Concen: 19.481 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 96 Resp: 65018
 Ion Ratio Lower Upper
 96 100
 61 181.3 158.1 237.1
 98 67.9 51.4 77.2





#13

Acrolein

Concen: 75.311 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

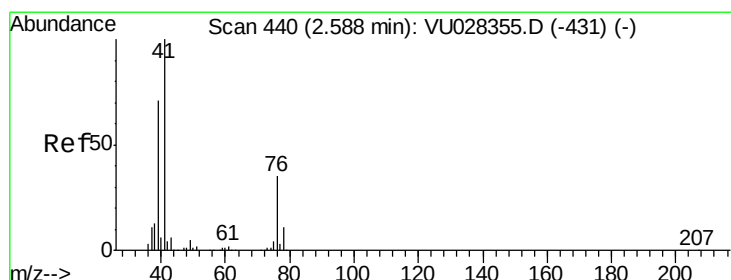
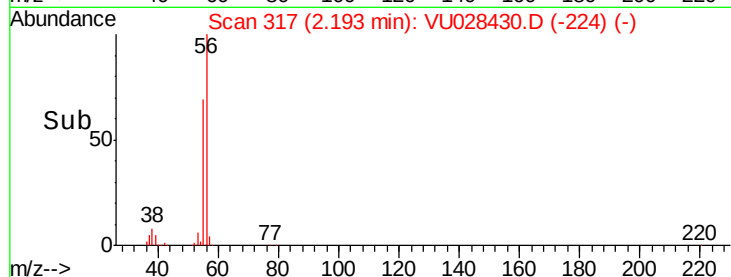
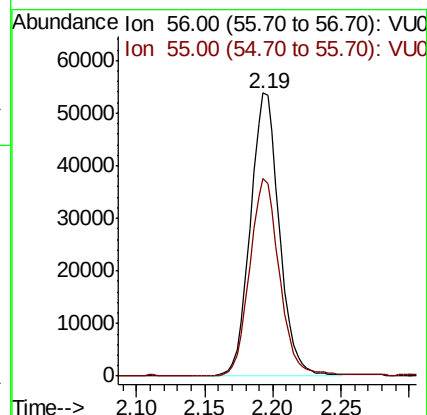
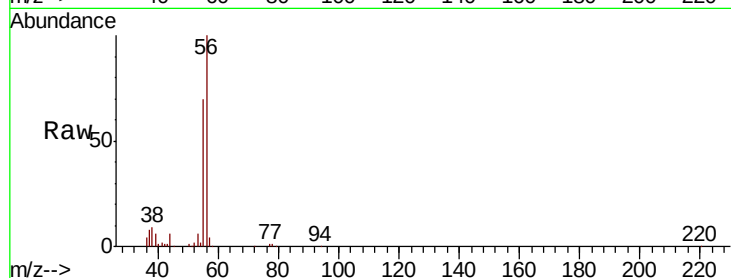
VU1203WBS01

Tot Ion: 56 Resp: 79417

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0



#14

Allyl chloride

Concen: 17.164 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

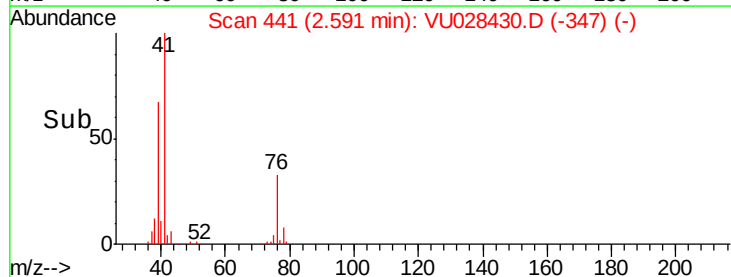
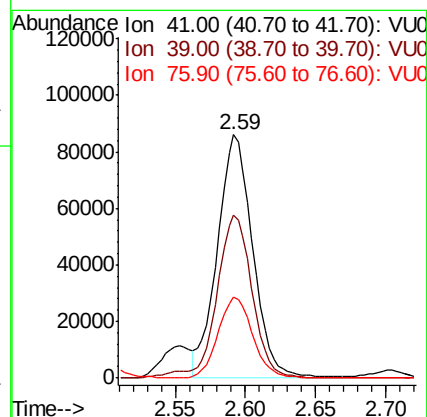
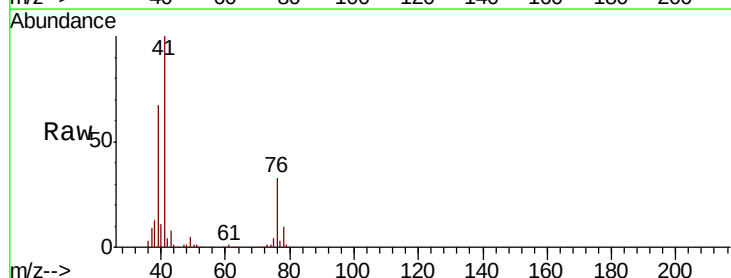
Tgt Ion: 41 Resp: 149674

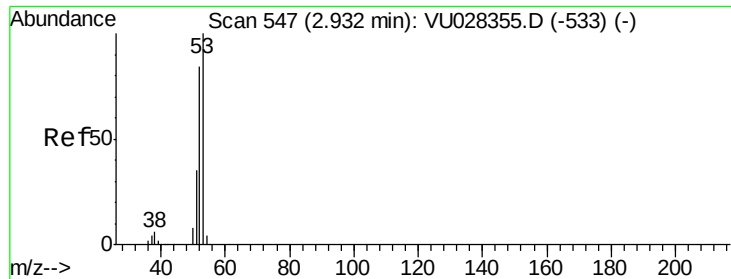
Ion Ratio Lower Upper

41 100

39 67.4 51.6 77.4

76 32.5 24.4 36.6





#15

Acrylonitrile

Concen: 90.841 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

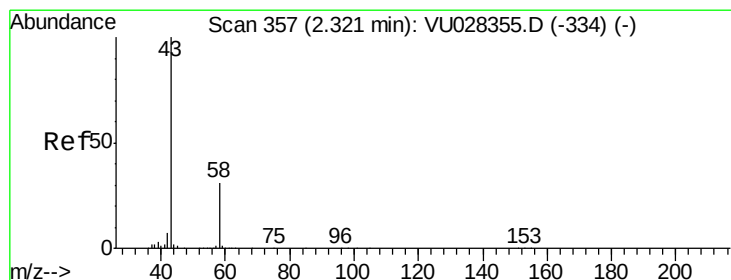
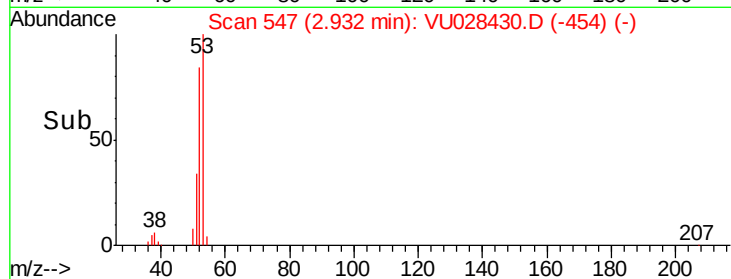
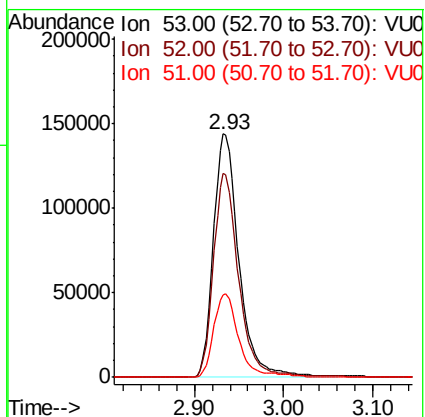
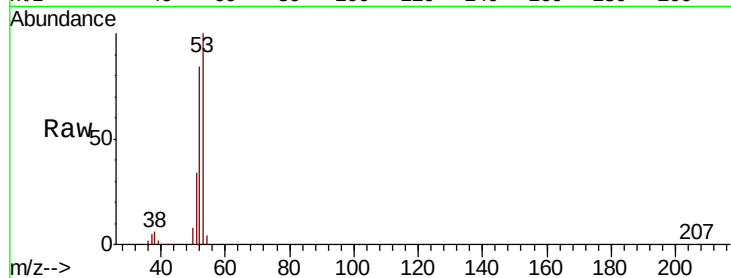
Tot Ion: 53 Resp: 285029

Ion Ratio Lower Upper

53 100

52 82.7 65.7 98.5

51 34.3 27.8 41.6



#16

Acetone

Concen: 94.290 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028430.D

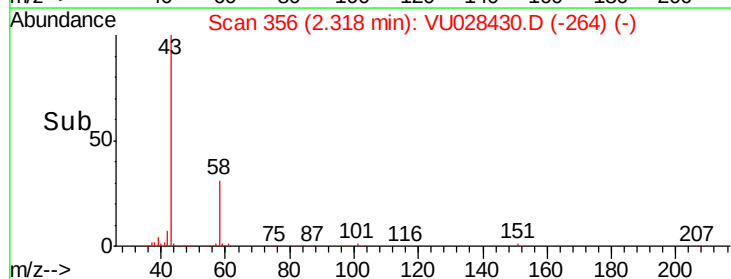
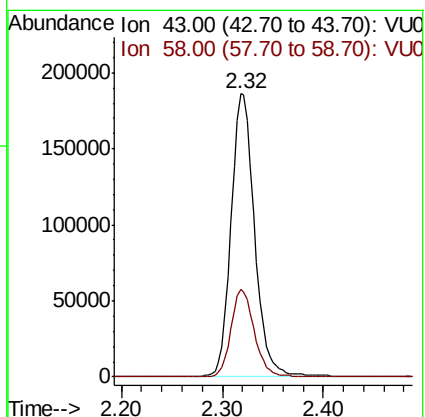
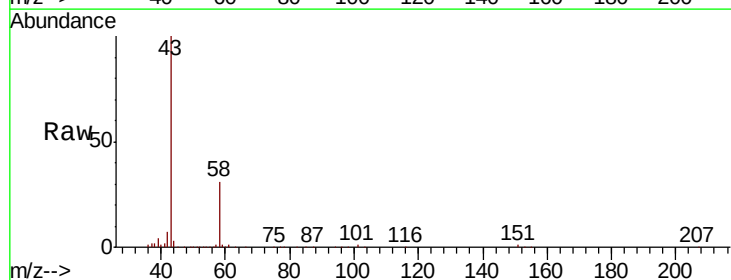
Acq: 03 Dec 2018 10:53

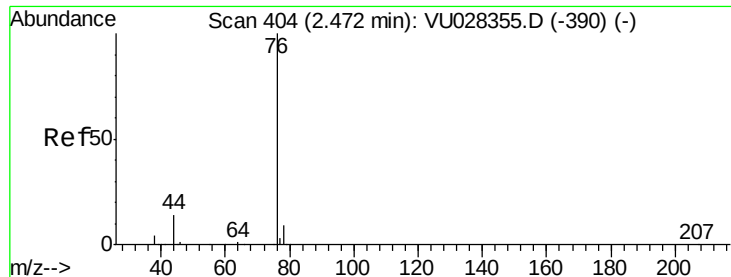
Tgt Ion: 43 Resp: 301158

Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6





#17

Carbon Disulfide

Concen: 17.703 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

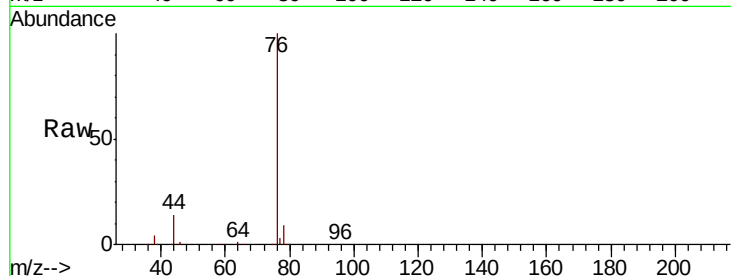
VU1203WBS01

Tot Ion: 76 Resp: 226786

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU028430.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU028430.D (-311) (-)

2.48

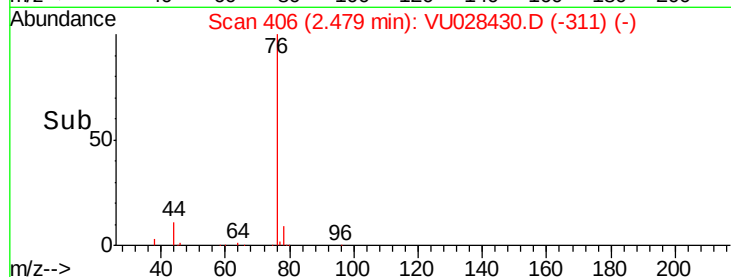
150000

100000

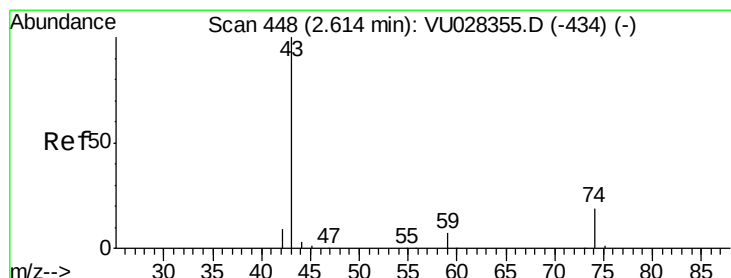
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 17.896 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028430.D

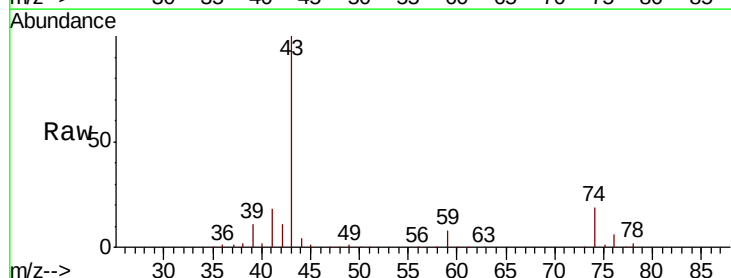
Acq: 03 Dec 2018 10:53

Tgt Ion: 43 Resp: 159147

Ion Ratio Lower Upper

43 100

74 19.9 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028430.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028430.D (-355) (-)

2.61

100000

80000

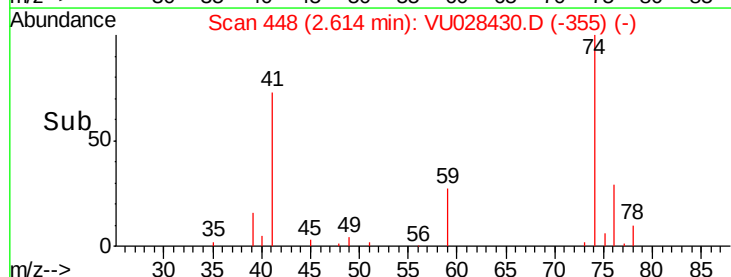
60000

40000

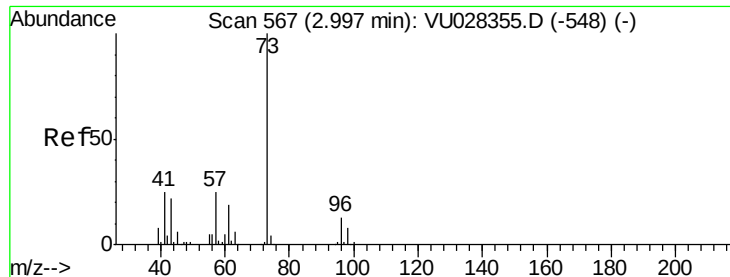
20000

0

Time-->



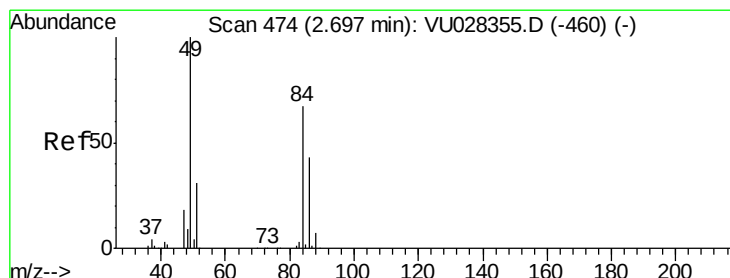
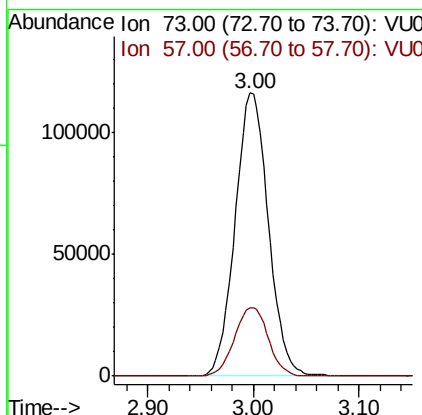
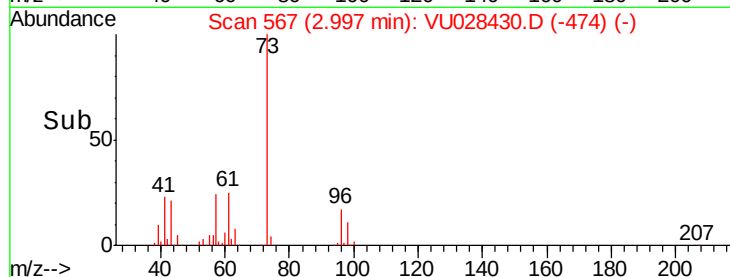
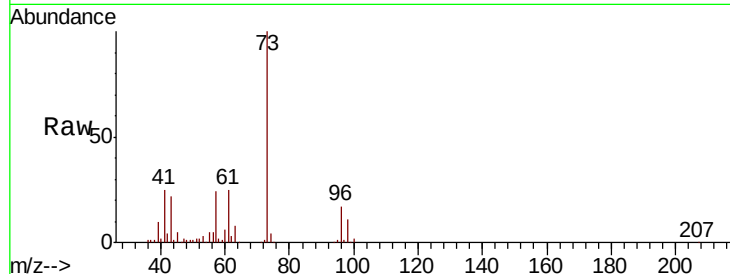
Time-->



#19
Methyl tert-butyl Ether
Concen: 18.574 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

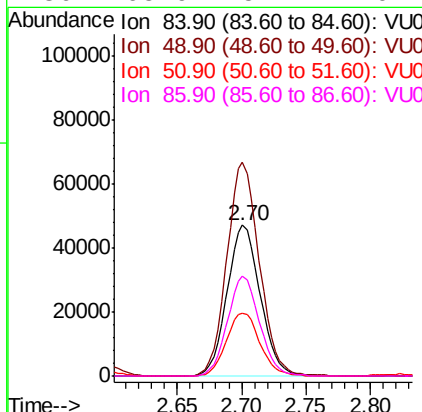
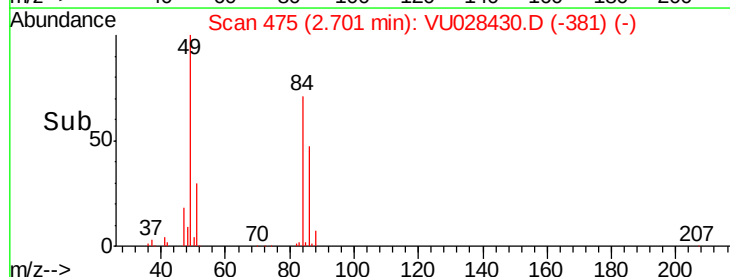
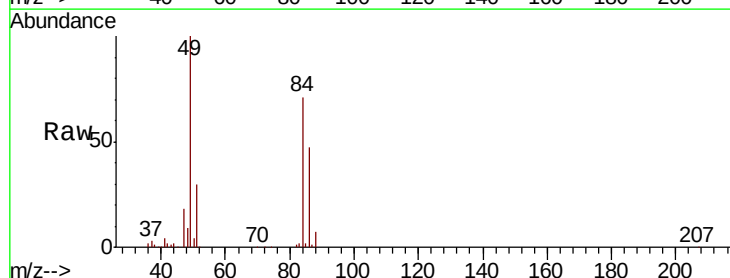
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

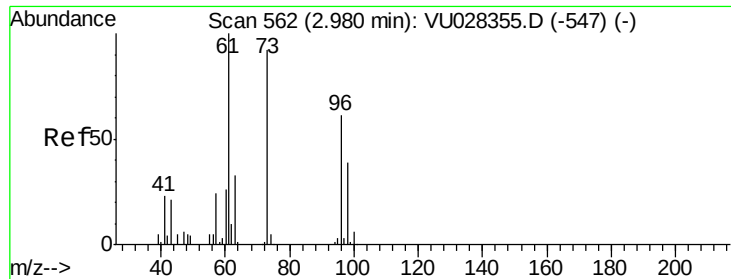
Tot Ion: 73 Resp: 254148
Ion Ratio Lower Upper
73 100
57 24.2 20.1 30.1



#20
Methylene Chloride
Concen: 18.590 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 84 Resp: 83959
Ion Ratio Lower Upper
84 100
49 141.5 120.0 180.0
51 41.9 36.9 55.3
86 65.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.074 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

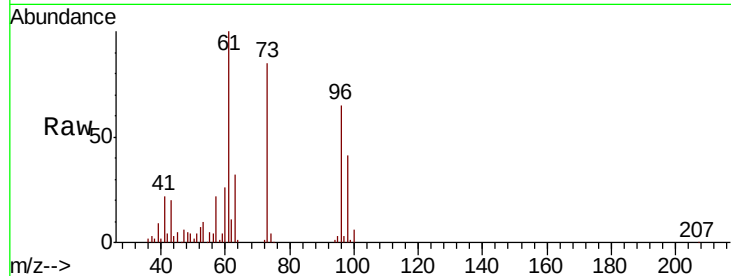
Tot Ion: 96 Resp: 73831

Ion Ratio Lower Upper

96 100

61 154.8 131.1 196.7

98 63.0 51.7 77.5

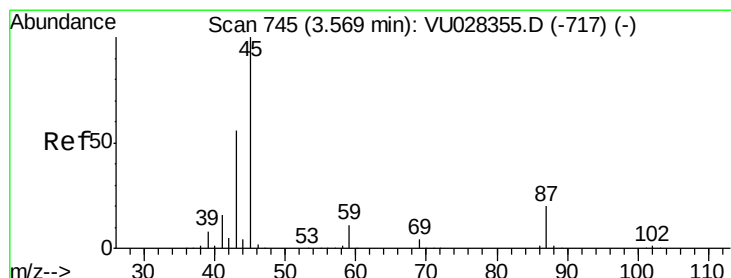
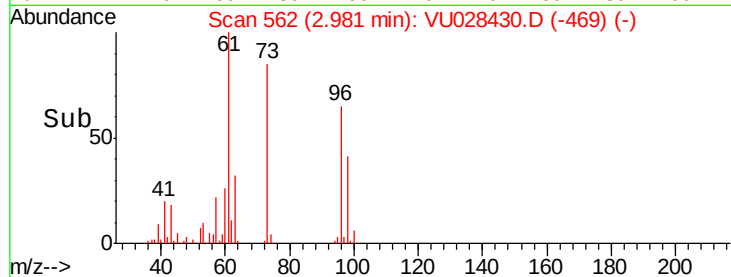
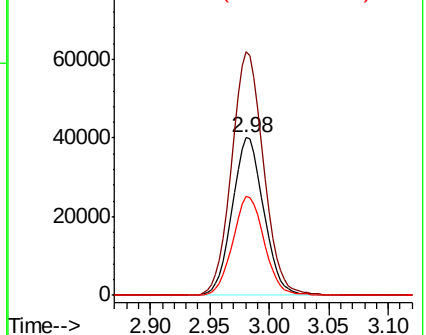


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 18.195 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion: 45 Resp: 312364

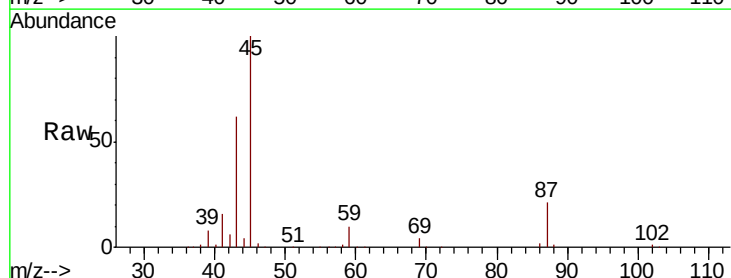
Ion Ratio Lower Upper

45 100

43 60.3 44.8 67.2

87 21.4 16.3 24.5

59 10.5 8.6 12.8



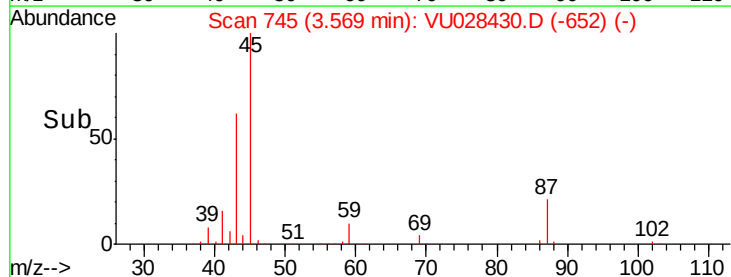
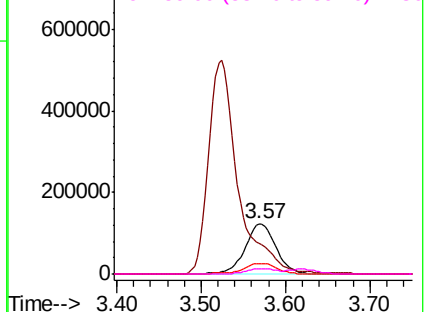
Abundance

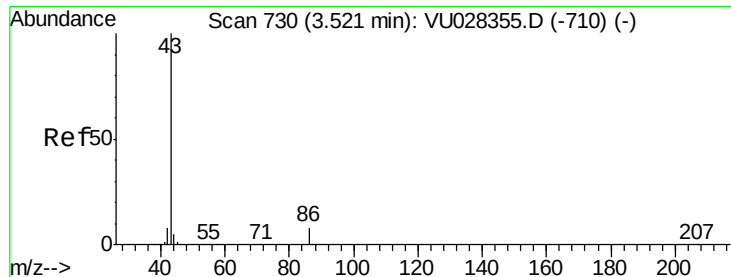
Ion 45.00 (44.70 to 45.70): VU0

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: 89.419 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

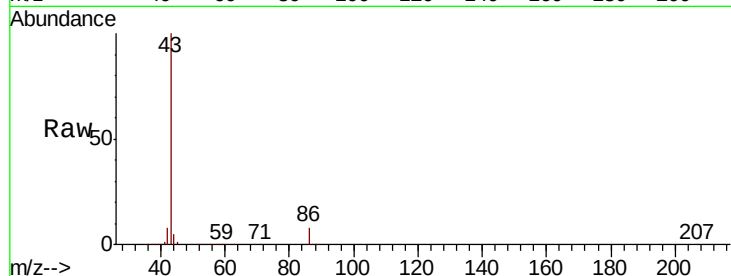
VU1203WBS01

Tot Ion: 43 Resp: 1276020

Ion Ratio Lower Upper

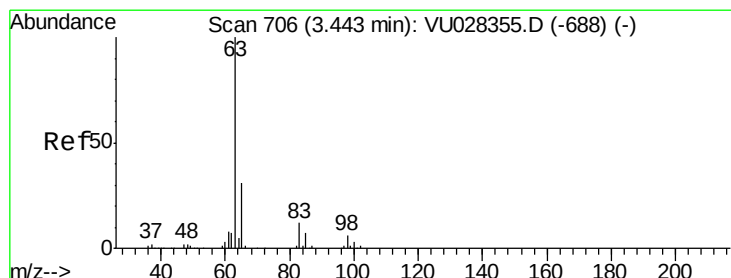
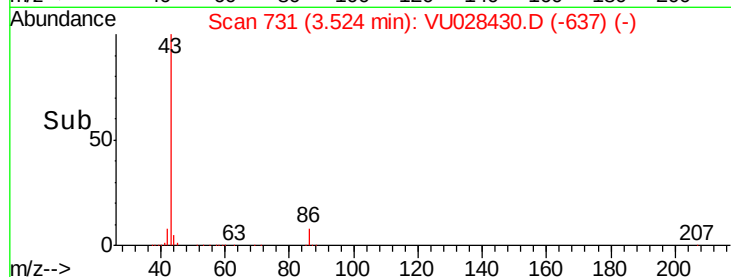
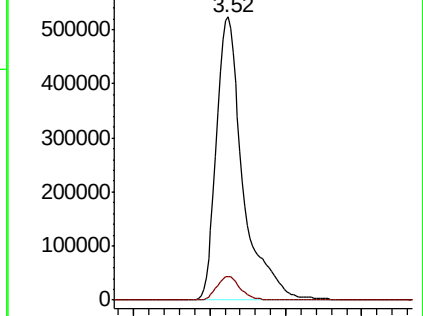
43 100

86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028430.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028430.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 18.603 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

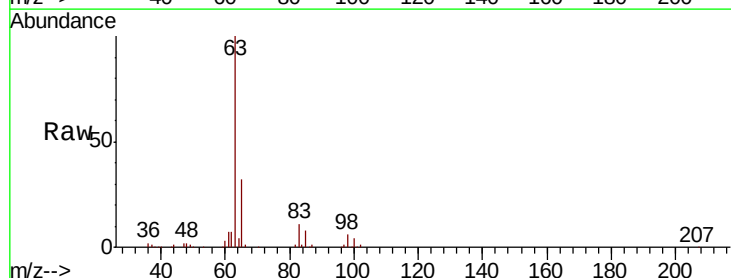
Tgt Ion: 63 Resp: 157464

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

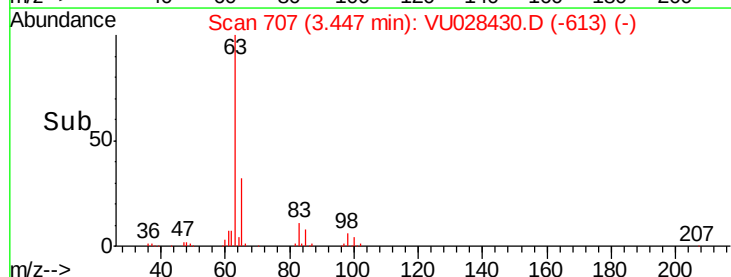
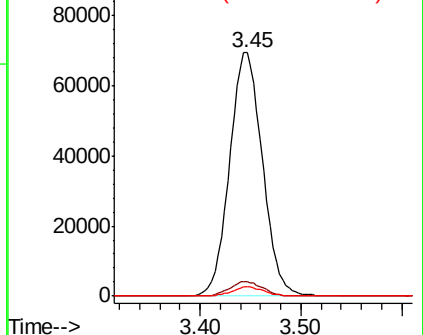
100 3.8 1.7 5.1

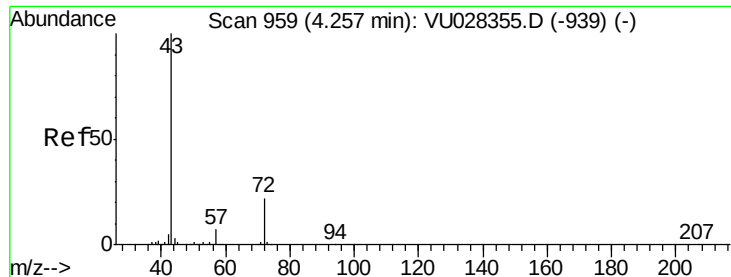


Abundance Ion 62.90 (62.60 to 63.60): VU028430.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028430.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028430.D (-613) (-)

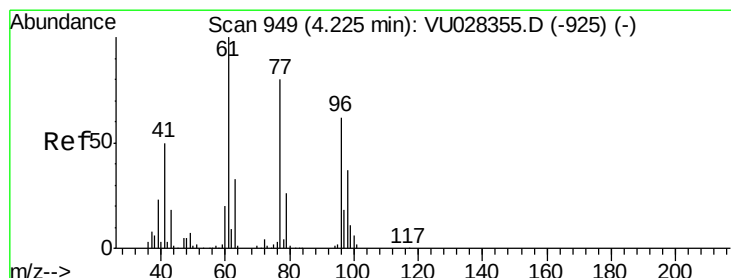
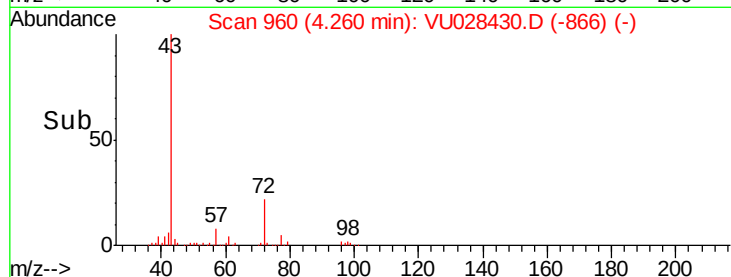
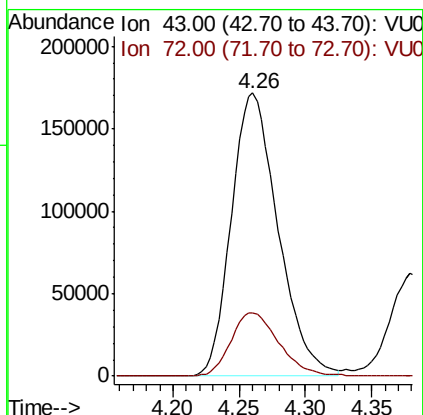
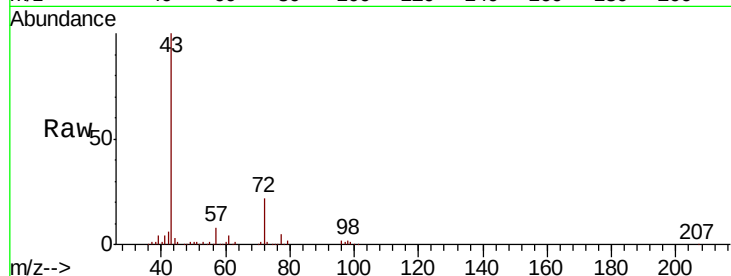




#25
2-Butanone
Concen: 91.283 ug/l
RT: 4.26 min Scan# 960
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

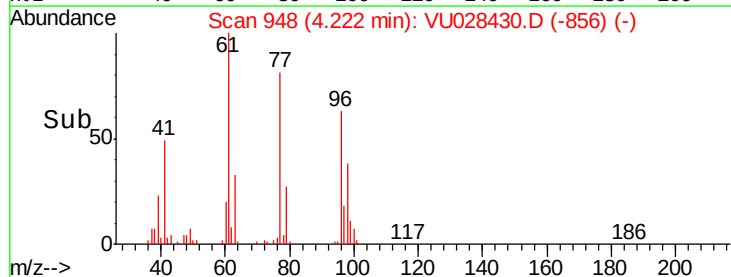
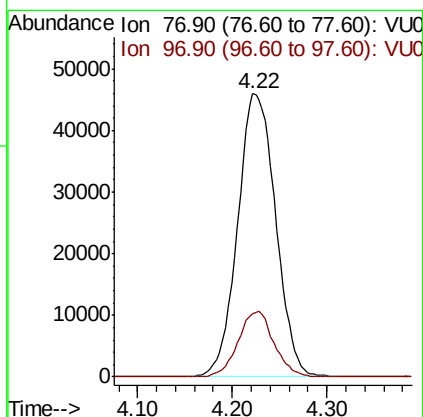
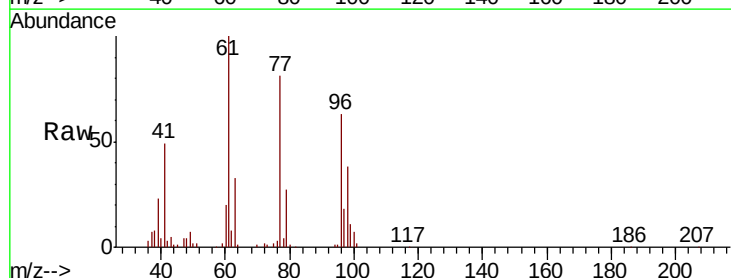
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

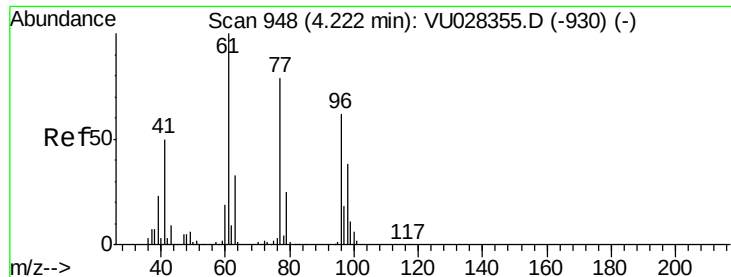
Tot Ion: 43 Resp: 417844
Ion Ratio Lower Upper
43 100
72 22.2 17.7 26.5



#26
2,2-Dichloropropane
Concen: 19.080 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 77 Resp: 128262
Ion Ratio Lower Upper
77 100
97 21.8 10.7 32.1



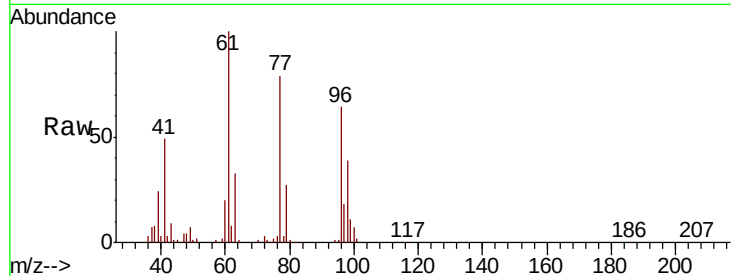


#27

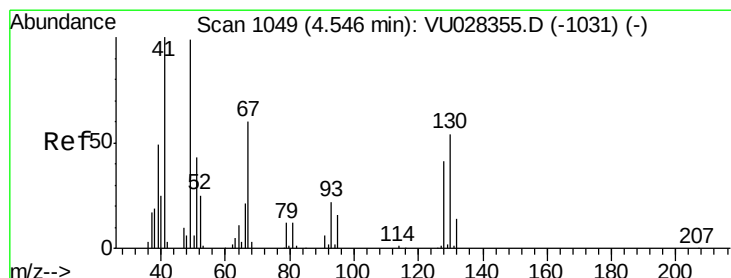
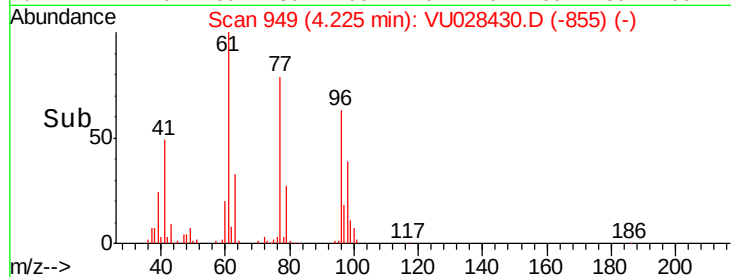
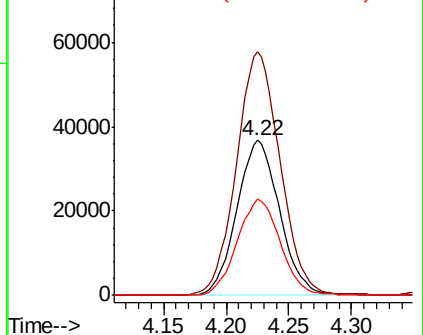
cis-1,2-Dichloroethene
 Concen: 18.976 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	96	Resp	86864
Ion Ratio	Lower	Upper	
96	100		
61	161.2	0.0	342.0
98	62.9	0.0	126.4



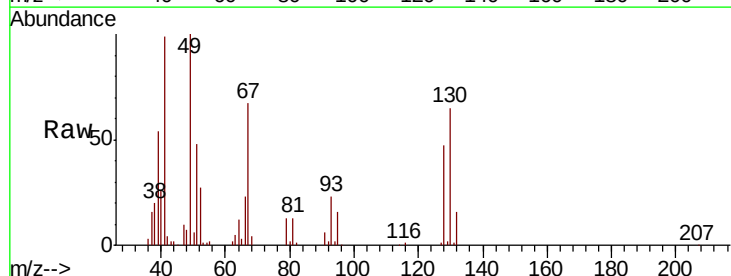
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



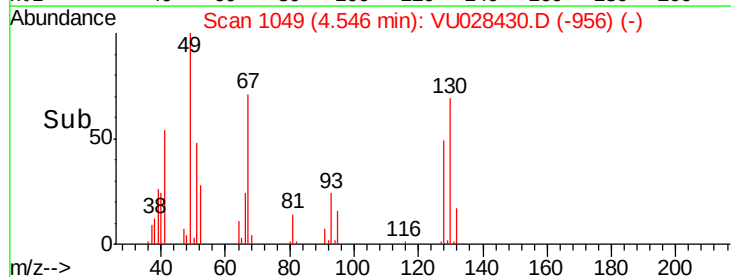
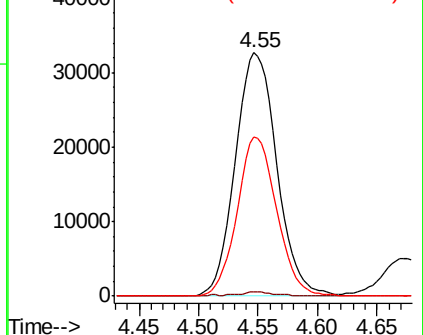
#28

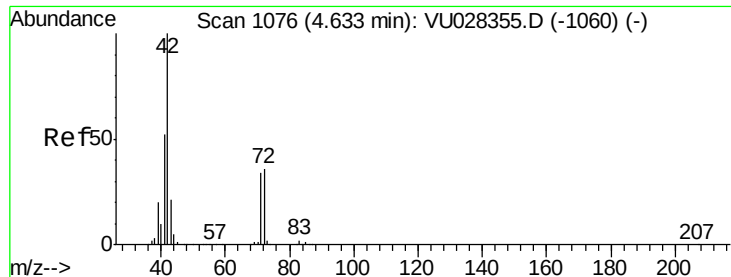
Bromochloromethane
 Concen: 18.689 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	49	Resp	79098
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	2.6
130	62.3	44.5	66.7



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: 89.825 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampled :

VU1203WBS01

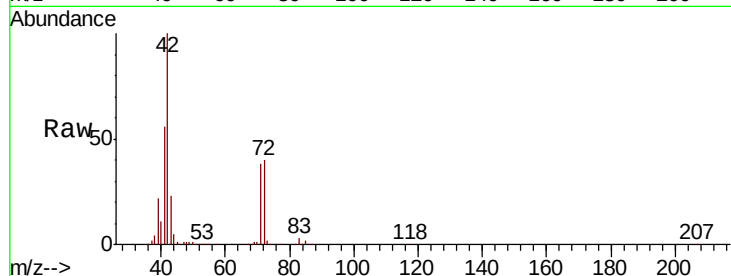
Tot Ion: 42 Resp: 266958

Ion Ratio Lower Upper

42 100

72 39.6 29.5 44.3

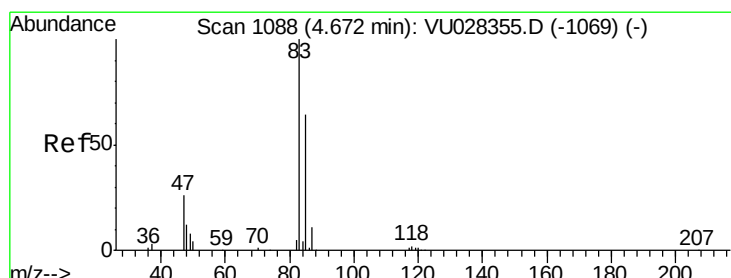
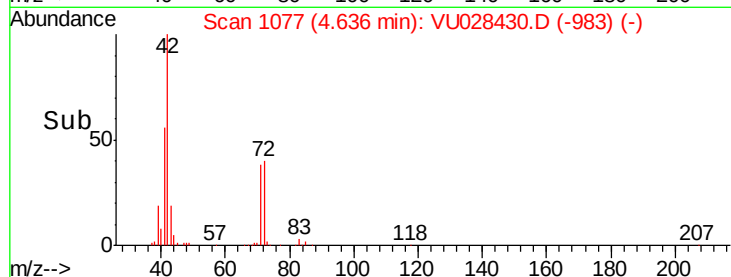
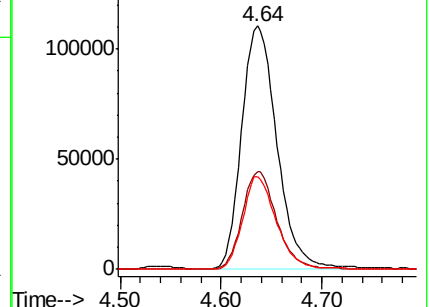
71 36.5 27.7 41.5



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: 18.391 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028430.D

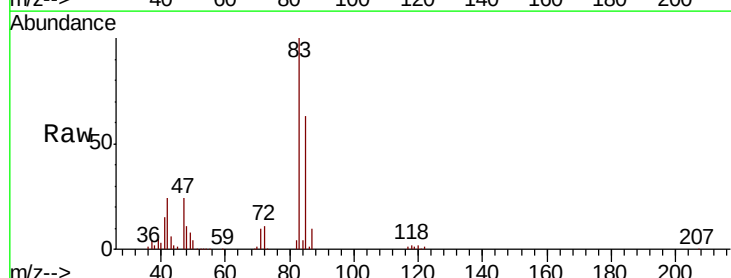
Acq: 03 Dec 2018 10:53

Tgt Ion: 83 Resp: 143688

Ion Ratio Lower Upper

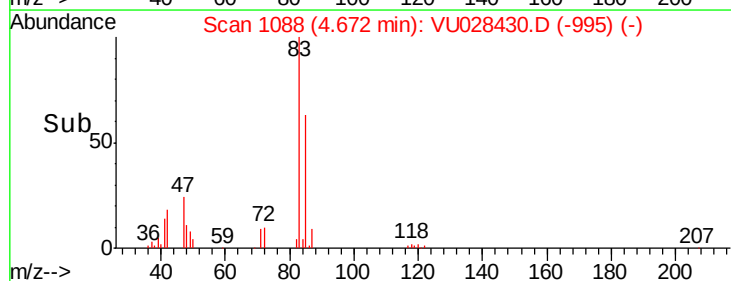
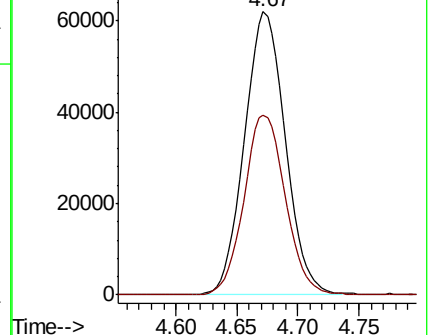
83 100

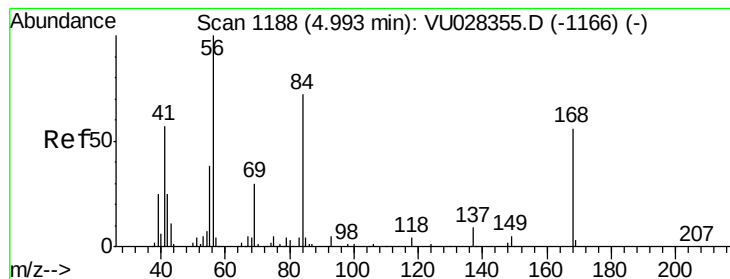
85 63.5 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 17.818 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

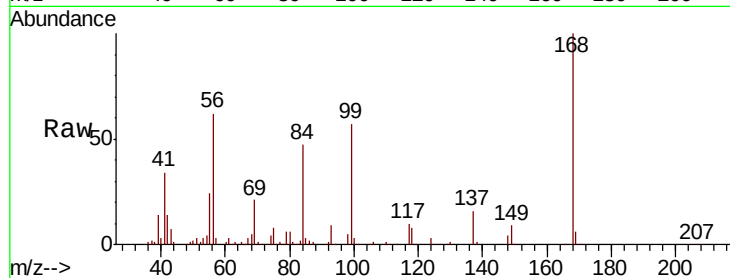
Tot Ion: 56 Resp: 156975

Ion Ratio Lower Upper

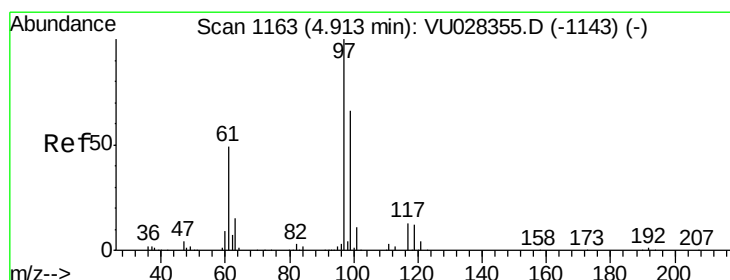
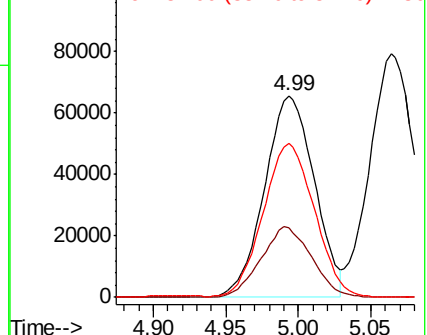
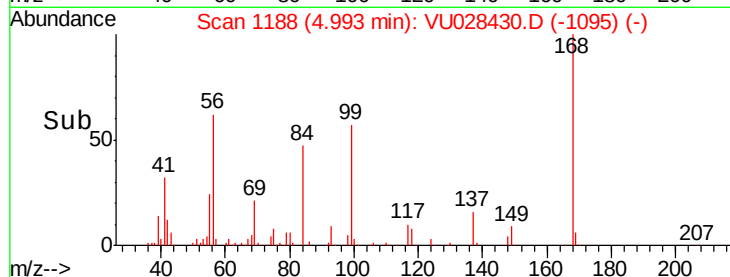
56 100

69 34.4 23.7 35.5

84 75.2 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VU028430.D (-1095) (-)



#32

1,1,1-Trichloroethane

Concen: 18.911 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

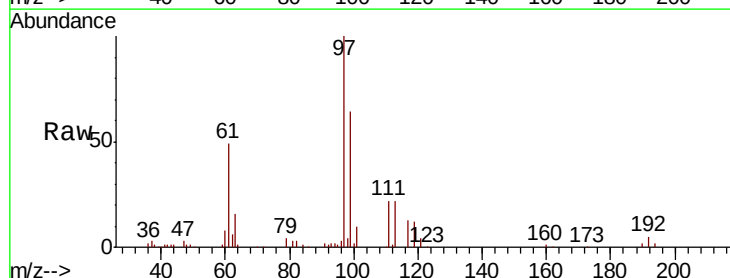
Tgt Ion: 97 Resp: 118554

Ion Ratio Lower Upper

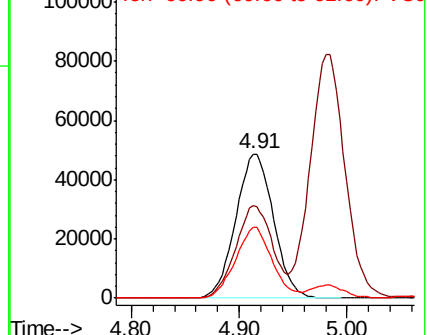
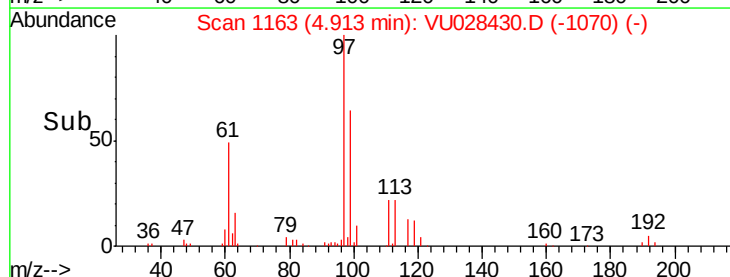
97 100

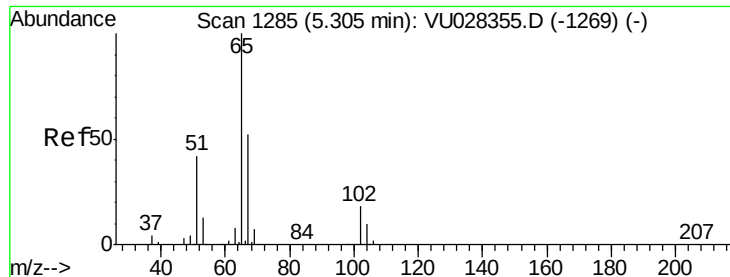
99 63.0 50.8 76.2

61 47.9 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VU028430.D (-1070) (-)

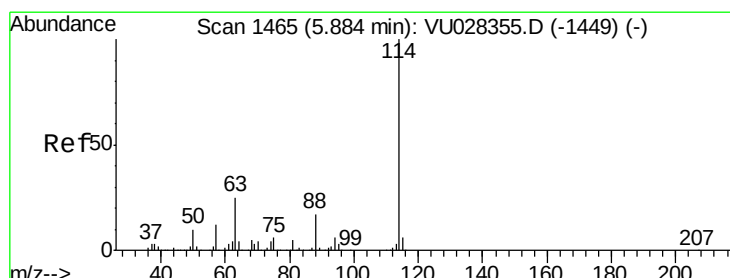
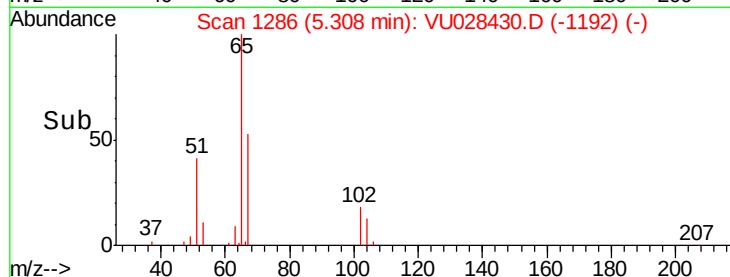
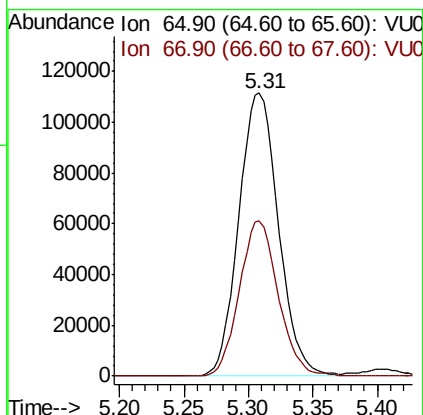
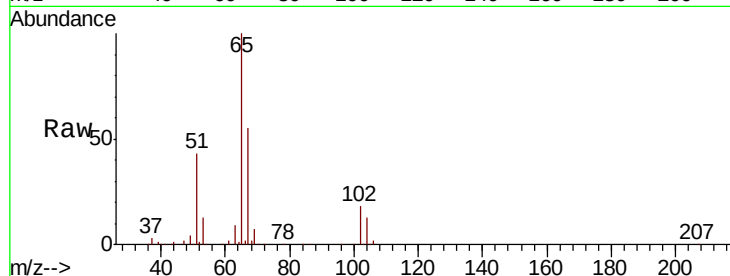




#33
 1,2-Dichloroethane-d4
 Concen: 45.719 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

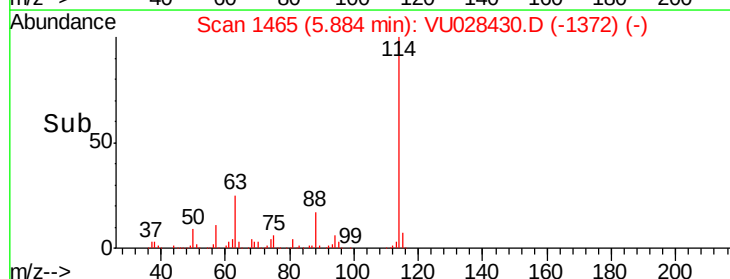
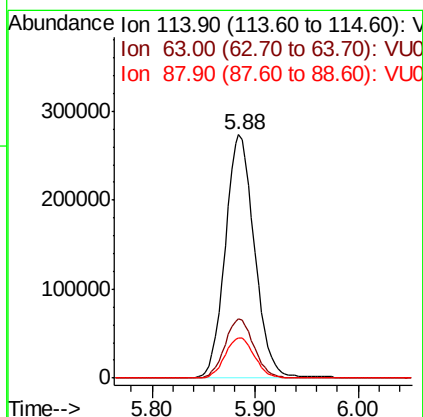
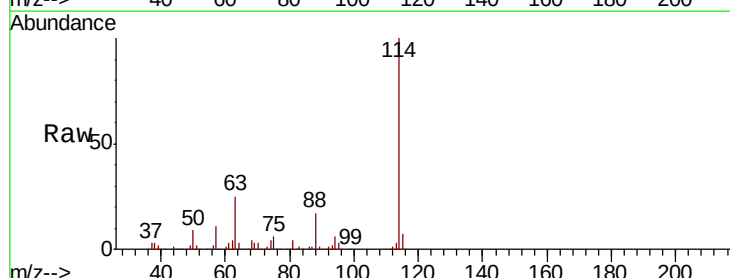
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

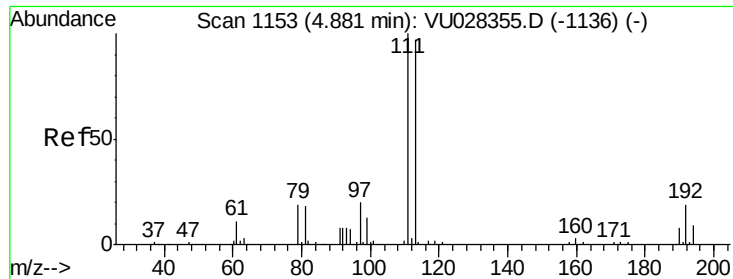
Tot Ion: 65 Resp: 238712
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 114 Resp: 540269
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.0
 88 16.7 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.296 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

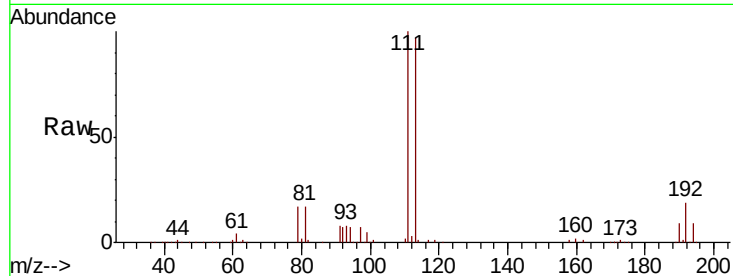
Tot Ion:113 Resp: 177098

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

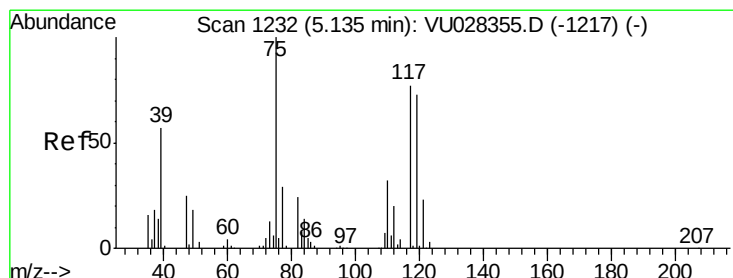
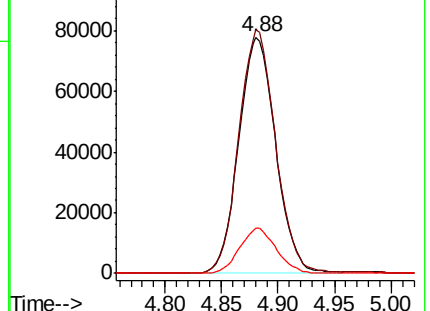
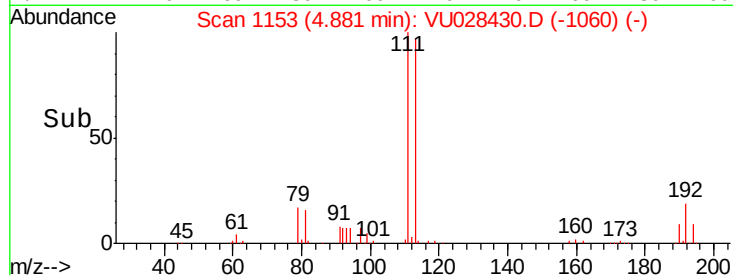
192 18.9 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.576 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

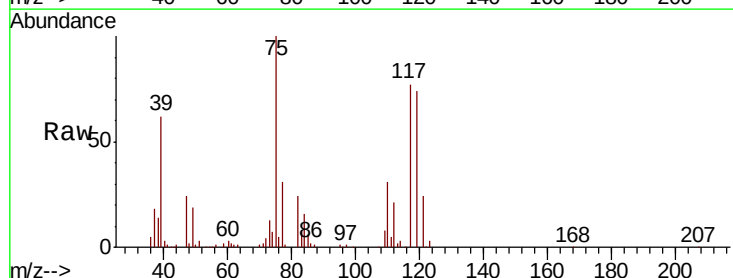
Tgt Ion: 75 Resp: 109824

Ion Ratio Lower Upper

75 100

110 31.6 15.8 47.4

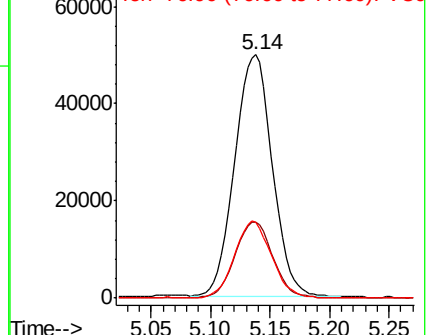
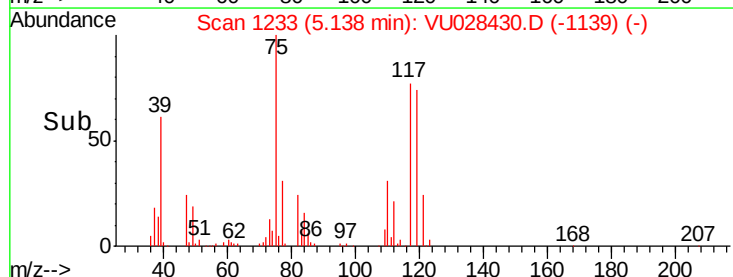
77 31.3 24.6 36.8

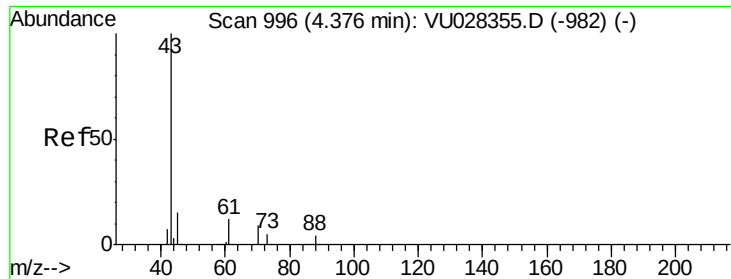


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

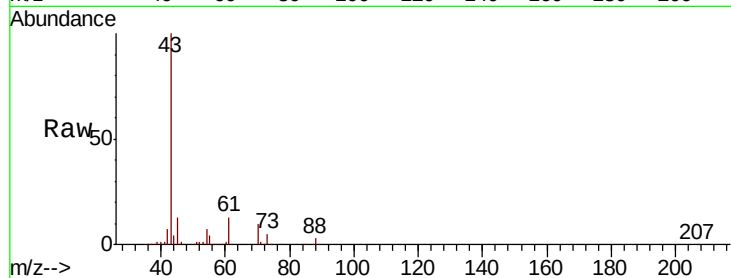




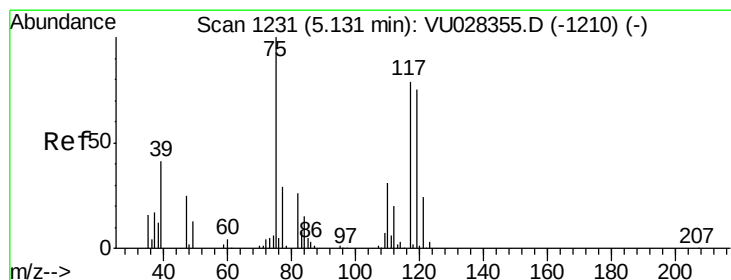
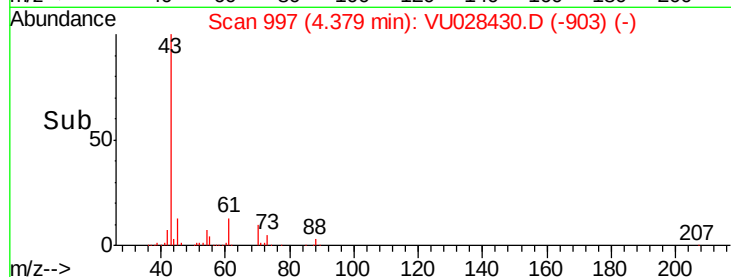
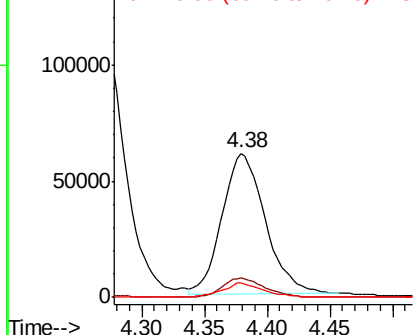
#37
Ethyl Acetate
Concen: 18.202 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion: 43 Resp: 146650
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.4
70 9.5 6.9 10.3

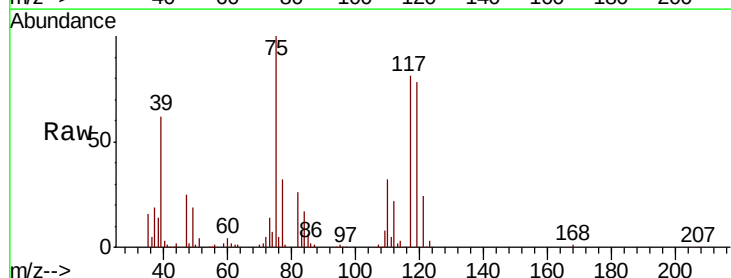


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

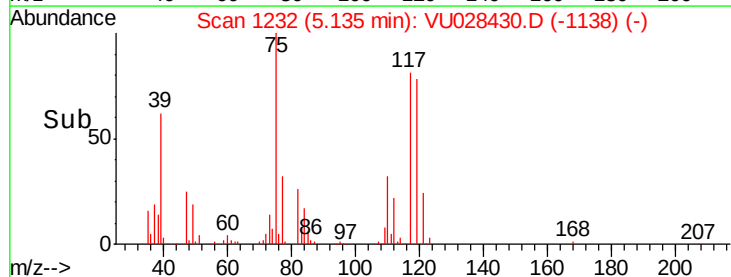
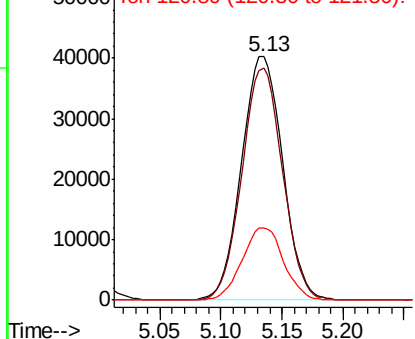


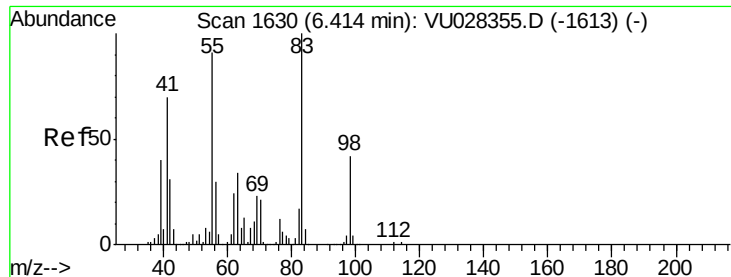
#38
Carbon Tetrachloride
Concen: 19.370 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 117 Resp: 94040
Ion Ratio Lower Upper
117 100
119 95.3 76.3 114.5
121 29.9 24.7 37.1



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

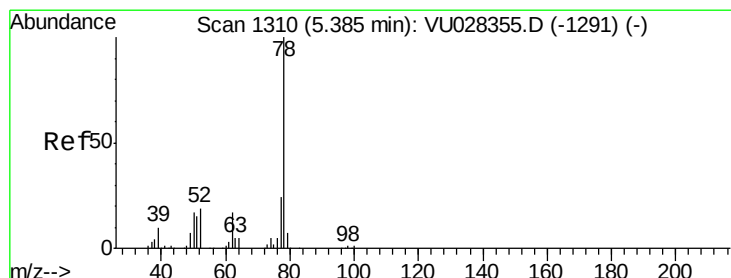
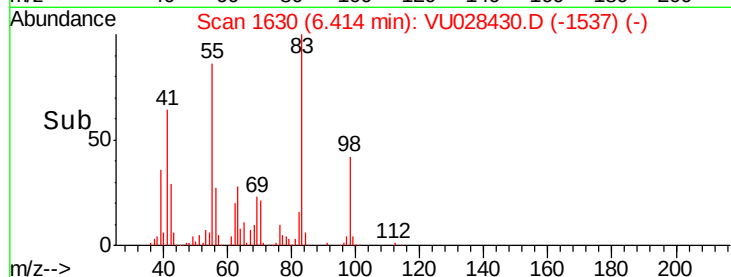
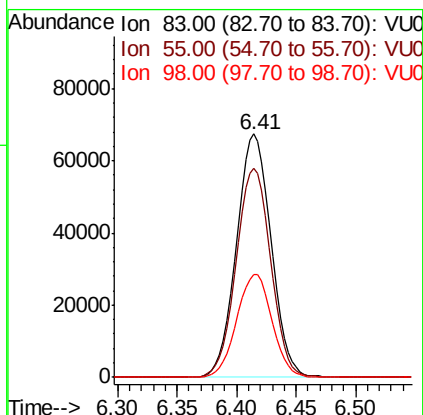
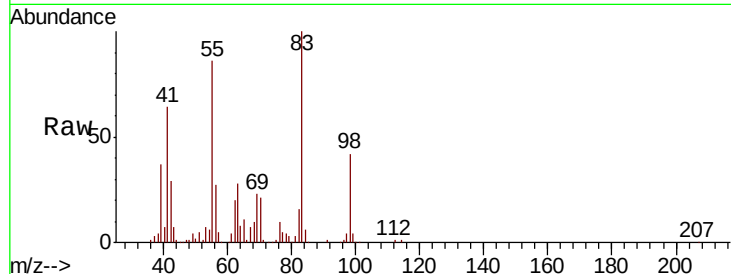




#39
Methylvlcyclohexane
Concen: 19.551 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

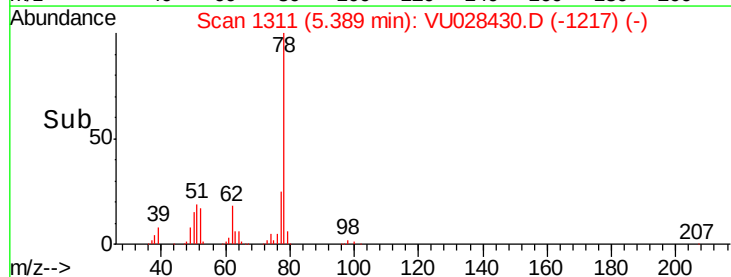
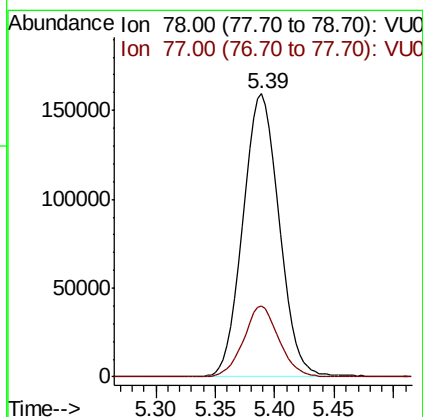
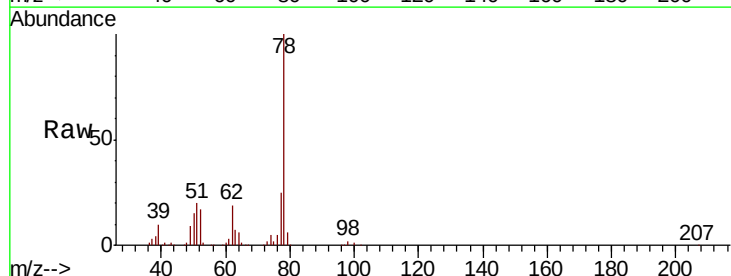
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

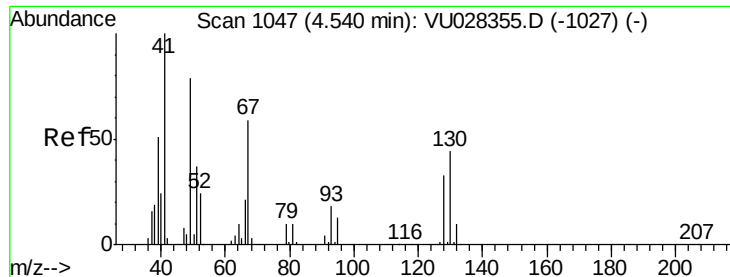
Tot Ion: 83 Resp: 136282
Ion Ratio Lower Upper
83 100
55 85.8 73.1 109.7
98 42.3 33.9 50.9



#40
Benzene
Concen: 19.237 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 78 Resp: 336837
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

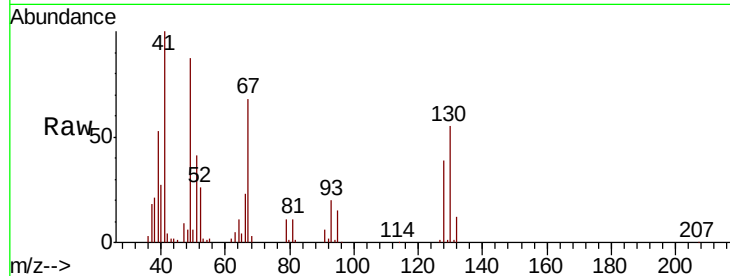




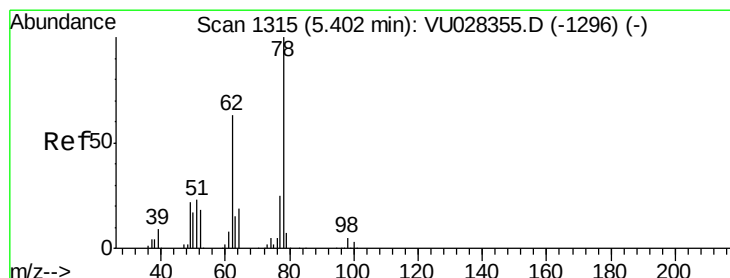
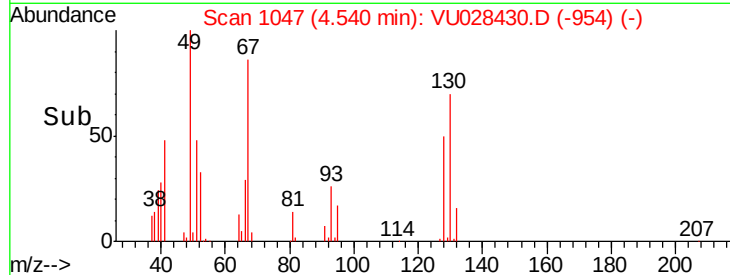
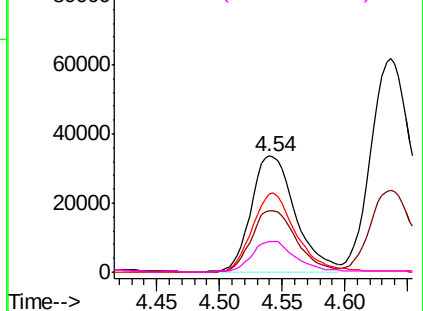
#41
Methacrylonitrile
Concen: 18.359 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion: 41 Resp: 82146
Ion Ratio Lower Upper
41 100
39 54.5 41.3 61.9
67 68.1 48.6 73.0
52 26.2 19.4 29.0

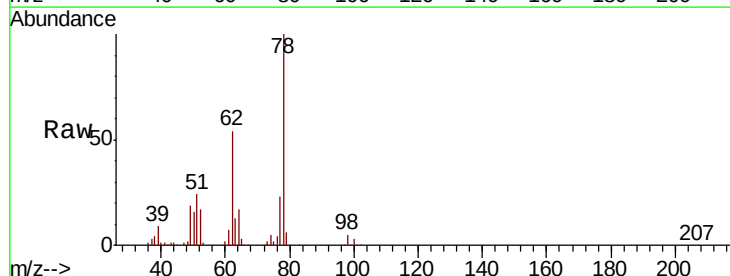


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

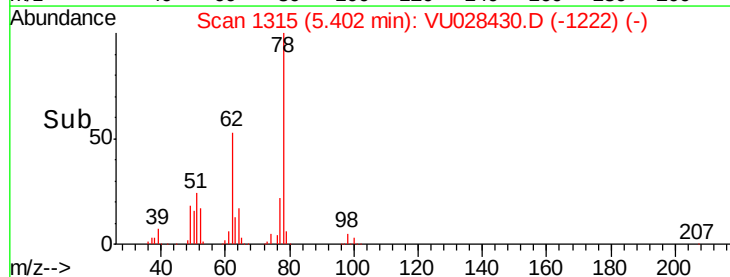
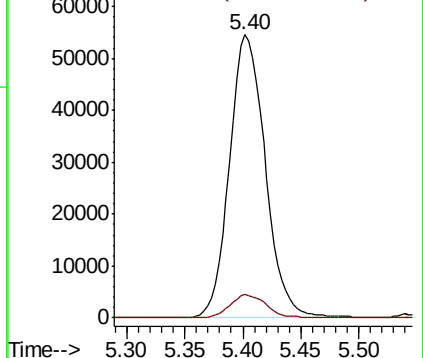


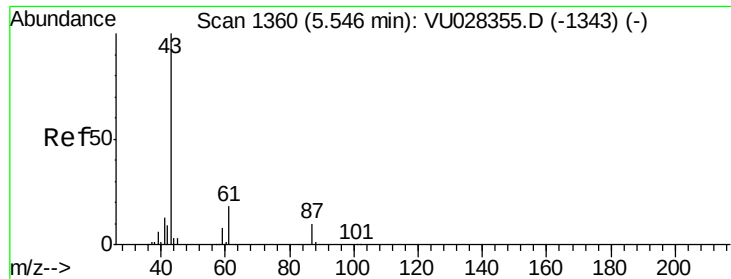
#42
1,2-Dichloroethane
Concen: 18.535 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 62 Resp: 116920
Ion Ratio Lower Upper
62 100
98 8.3 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 18.829 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

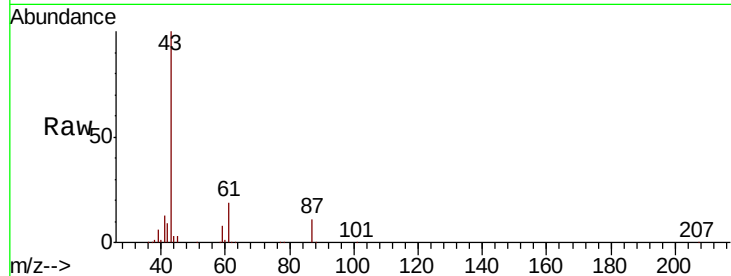
Tot Ion: 43 Resp: 240391

Ion Ratio Lower Upper

43 100

61 18.7 14.5 21.7

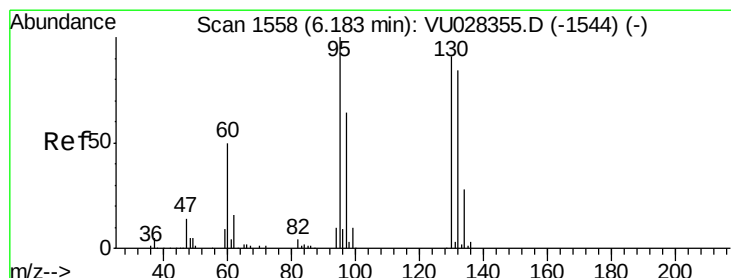
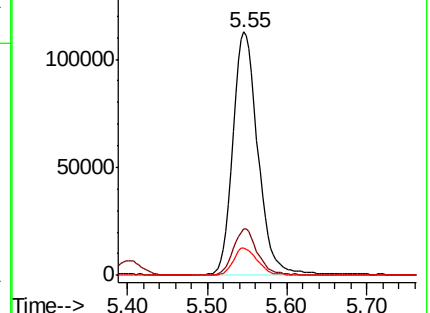
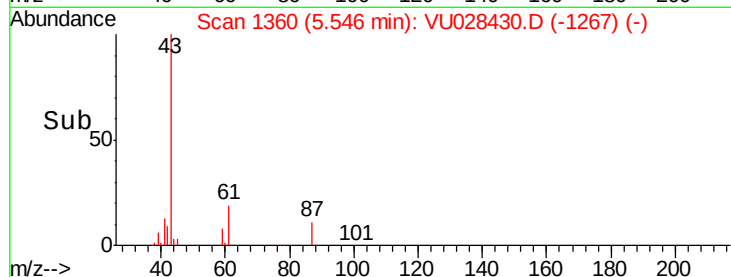
87 11.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028430.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028430.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028430.D (-1267) (-)



#44

Trichloroethene

Concen: 20.083 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028430.D

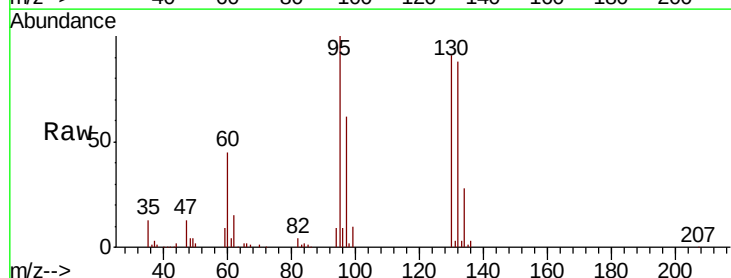
Acq: 03 Dec 2018 10:53

Tgt Ion:130 Resp: 75378

Ion Ratio Lower Upper

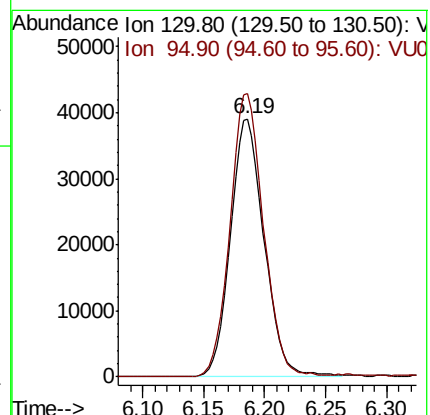
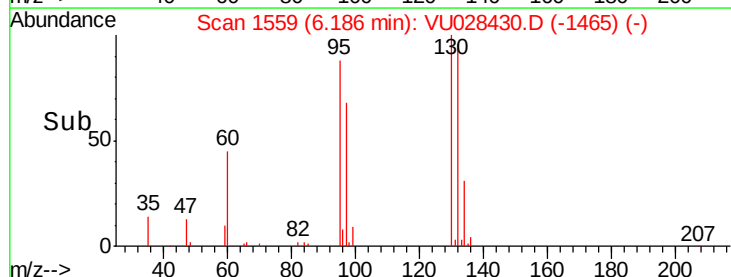
130 100

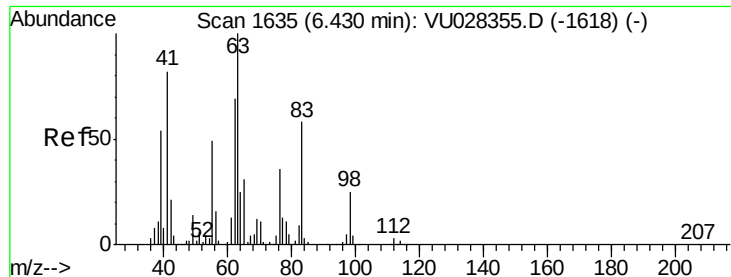
95 109.7 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028430.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU028430.D (-1465) (-)





#45

1,2-Dichloropropane

Concen: 18.455 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

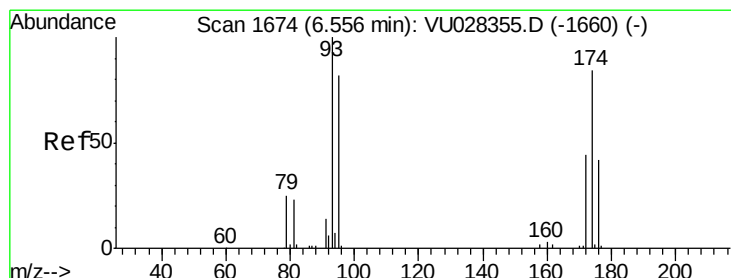
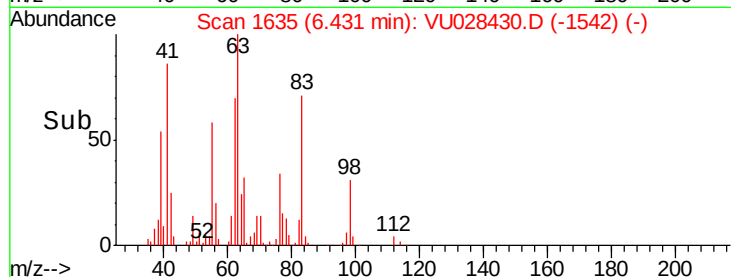
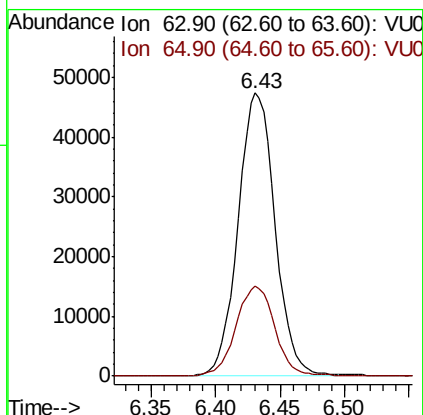
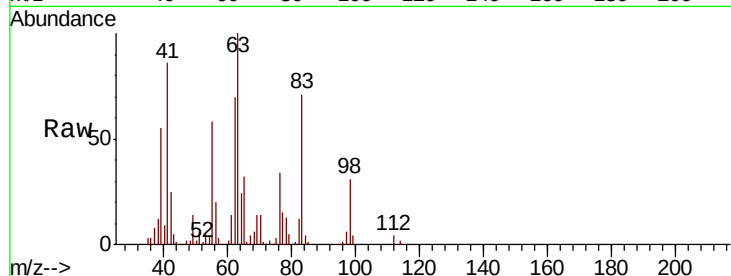
VU1203WBS01

Tot Ion: 63 Resp: 94632

Ion Ratio Lower Upper

63 100

65 31.6 25.1 37.7



#46

Dibromomethane

Concen: 18.910 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

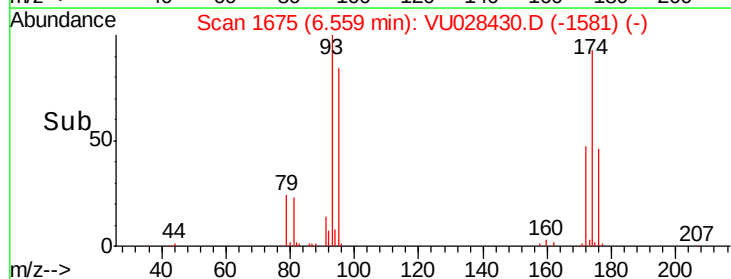
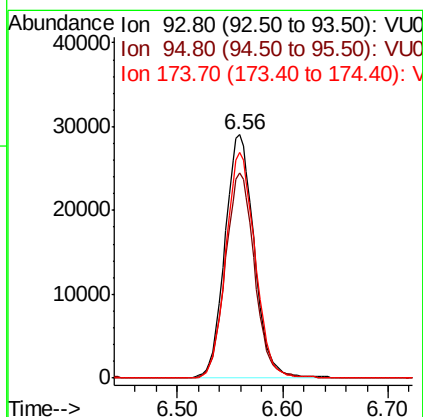
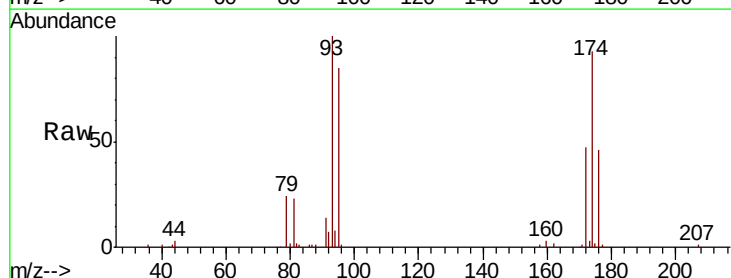
Tgt Ion: 93 Resp: 55696

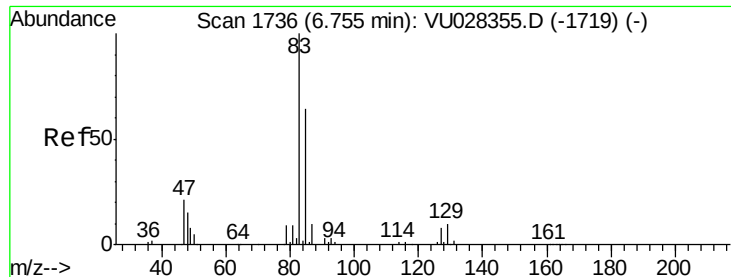
Ion Ratio Lower Upper

93 100

95 84.1 65.1 97.7

174 92.3 69.9 104.9





#47

Bromodichloromethane

Concen: 18.838 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

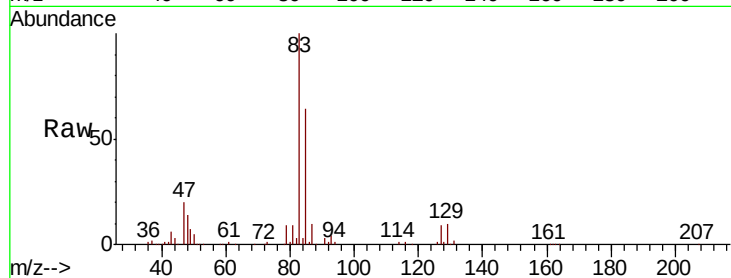
Tot Ion: 83 Resp: 110364

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

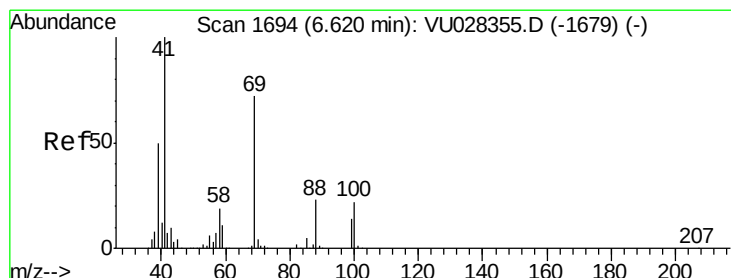
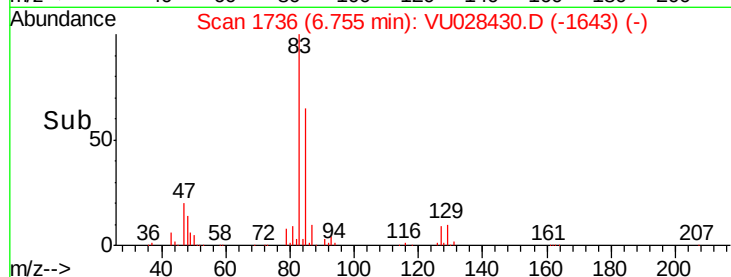
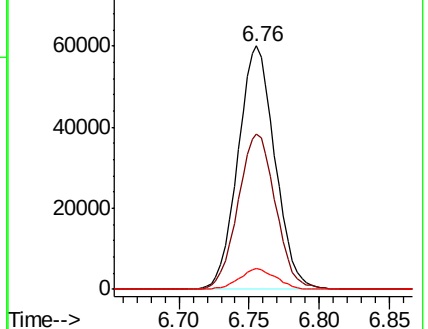
127 8.5 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028355.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VU028355.D (-1719) (-)

Ion 126.80 (126.50 to 127.50): VU028355.D (-1719) (-)



#48

Methyl methacrylate

Concen: 17.619 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

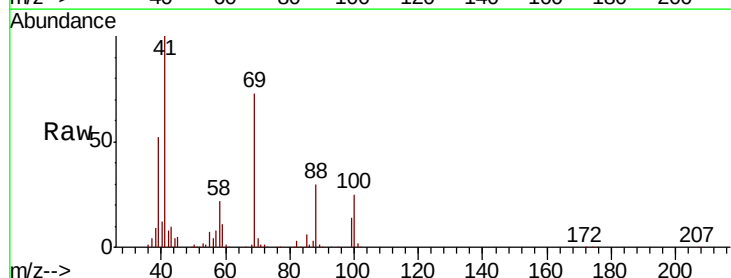
Tgt Ion: 41 Resp: 117176

Ion Ratio Lower Upper

41 100

69 75.9 59.0 88.4

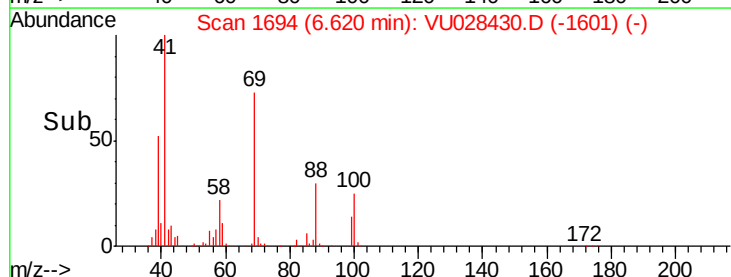
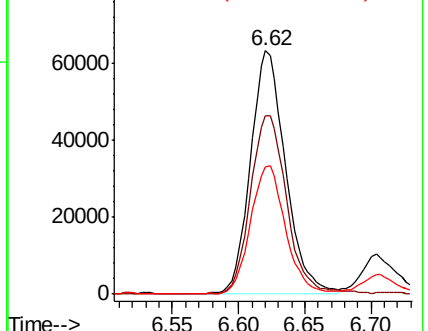
39 52.7 40.5 60.7

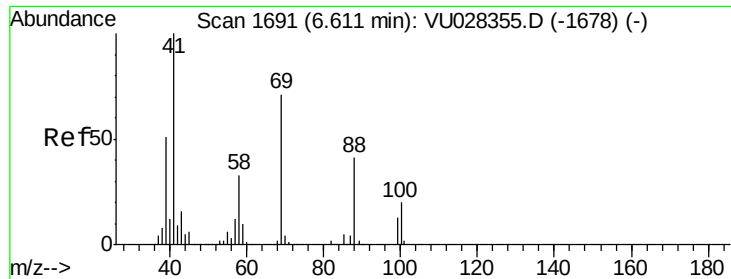


Abundance Ion 41.00 (40.70 to 41.70): VU028355.D (-1679) (-)

Ion 69.00 (68.70 to 69.70): VU028355.D (-1679) (-)

Ion 39.00 (38.70 to 39.70): VU028355.D (-1679) (-)

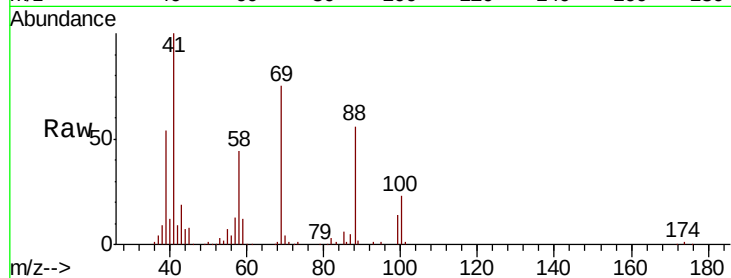




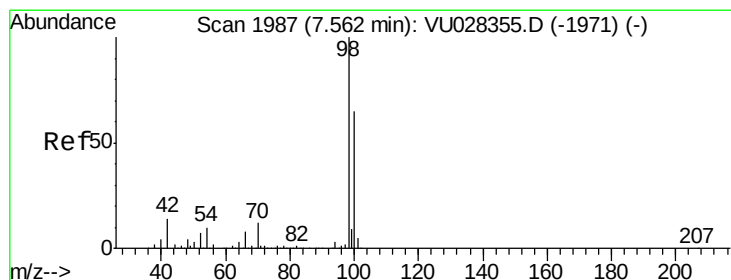
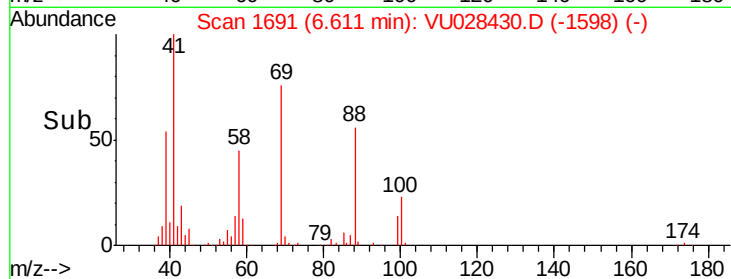
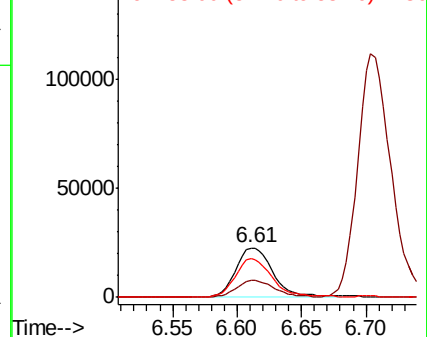
#49
 1,4-Dioxane
 Concen: 425.665 ug/l
 RT: 6.61 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion: 88 Resp: 45224
 Ion Ratio Lower Upper
 88 100
 43 35.7 32.6 48.8
 58 79.3 68.7 103.1

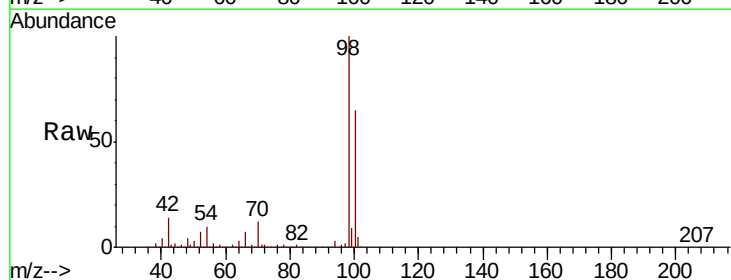


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

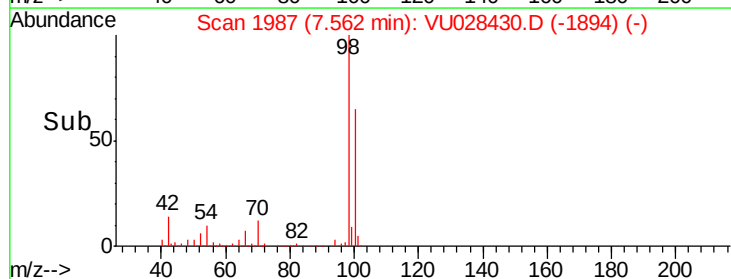
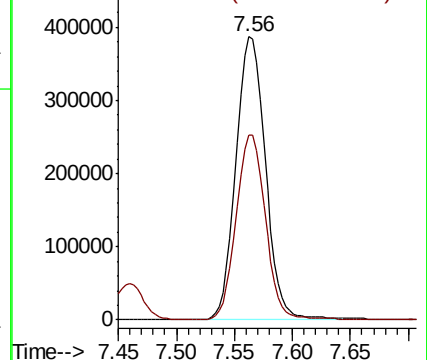


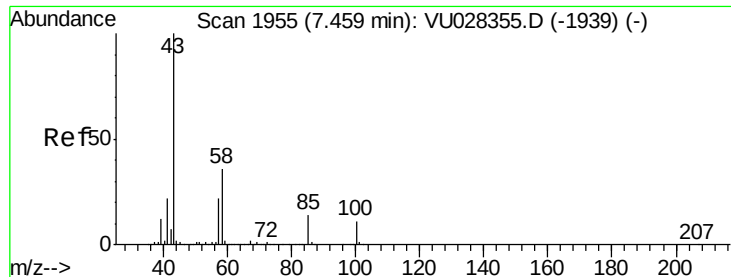
#50
 Toluene-d8
 Concen: 47.540 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 98 Resp: 683040
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.8 76.2



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

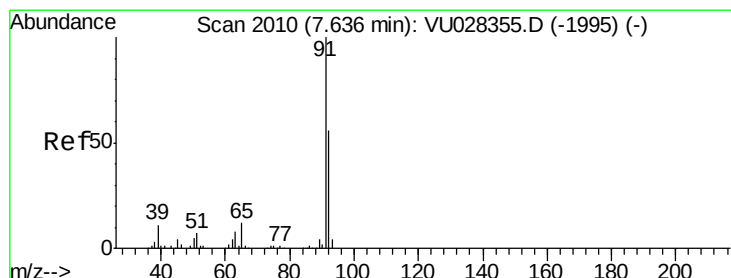
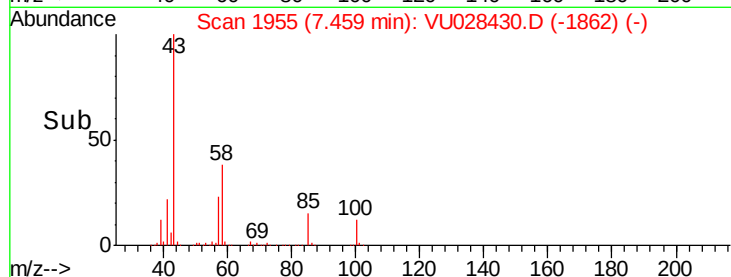
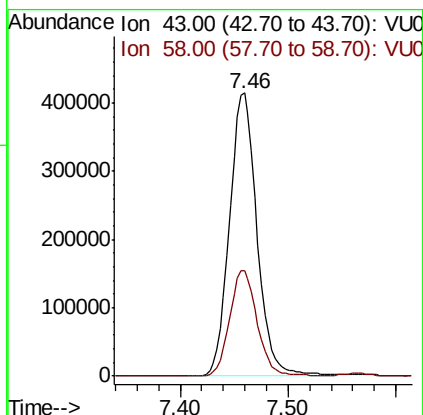
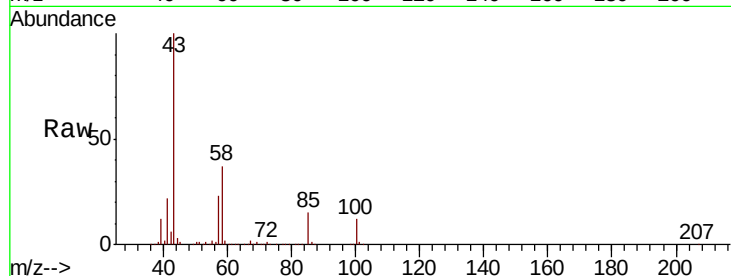




#51
 4-Methyl-2-Pentanone
 Concen: 90.387 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

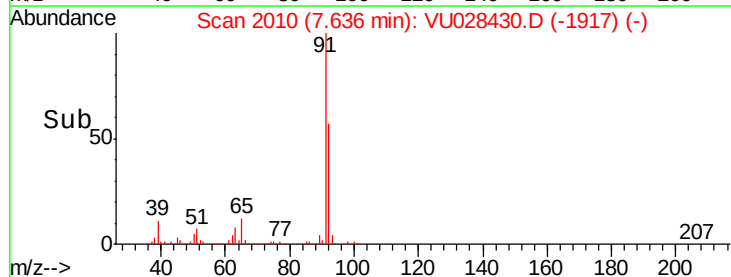
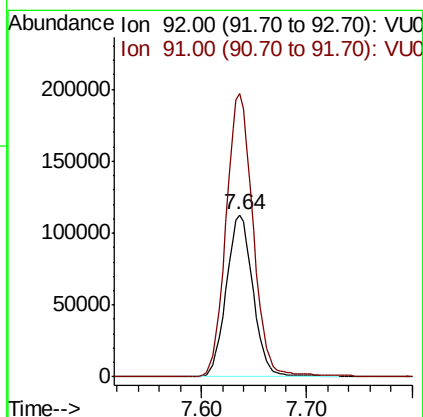
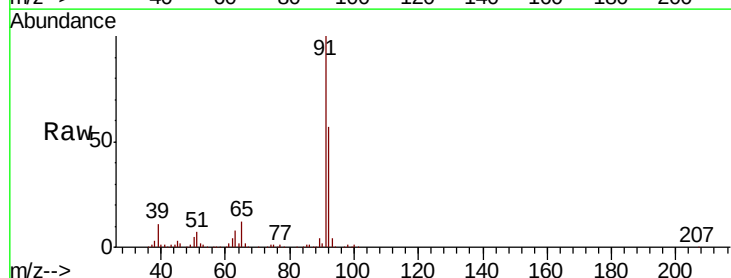
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

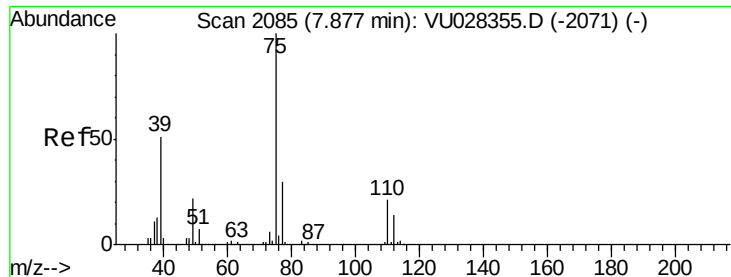
Tot Ion: 43 Resp: 737038
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.8 43.2



#52
 Toluene
 Concen: 19.618 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 92 Resp: 197818
 Ion Ratio Lower Upper
 92 100
 91 176.8 141.8 212.6

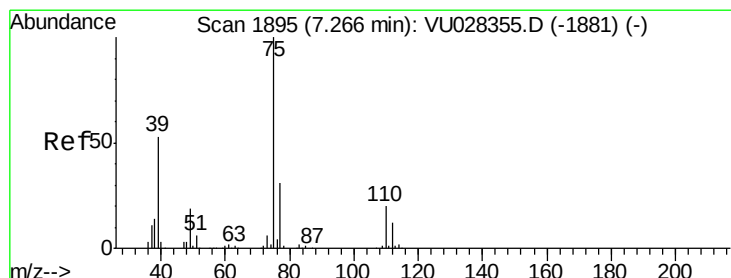
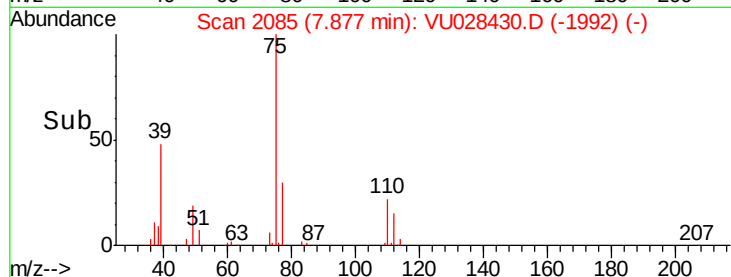
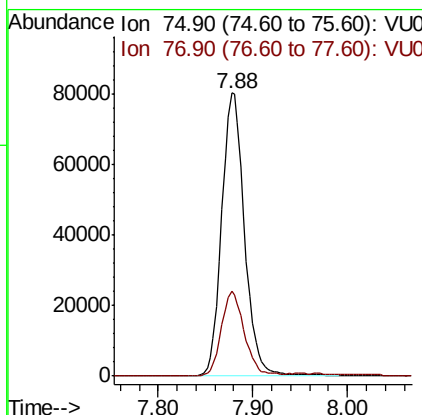
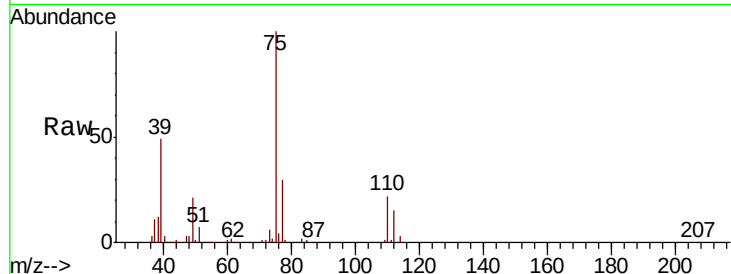




#53
t-1,3-Dichloropropene
Concen: 19.295 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

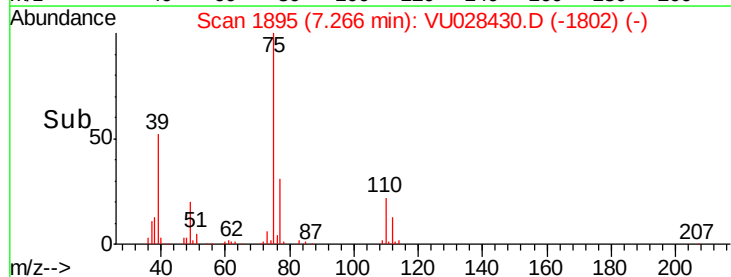
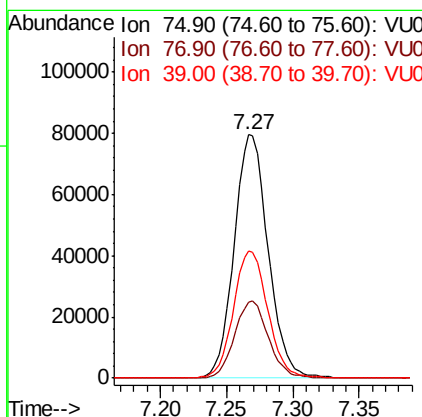
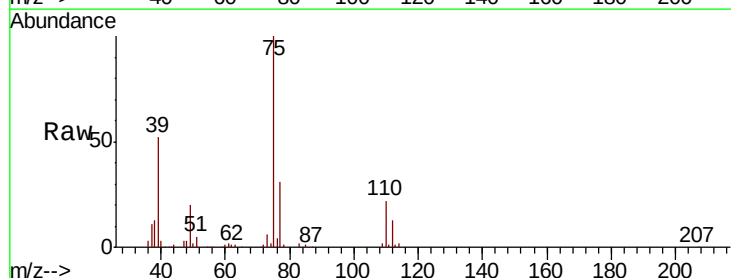
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

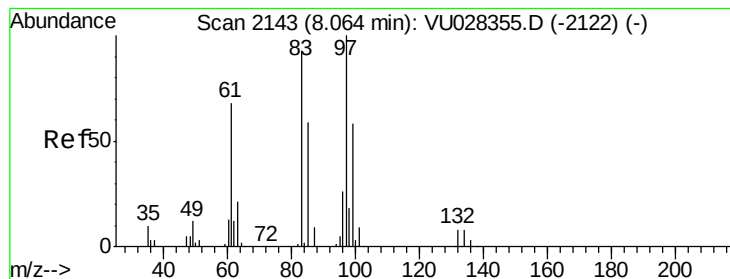
Tot Ion: 75 Resp: 135167
Ion Ratio Lower Upper
75 100
77 29.8 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 18.883 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 75 Resp: 141714
Ion Ratio Lower Upper
75 100
77 31.2 24.9 37.3
39 52.1 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 18.412 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 97 Resp: 77267

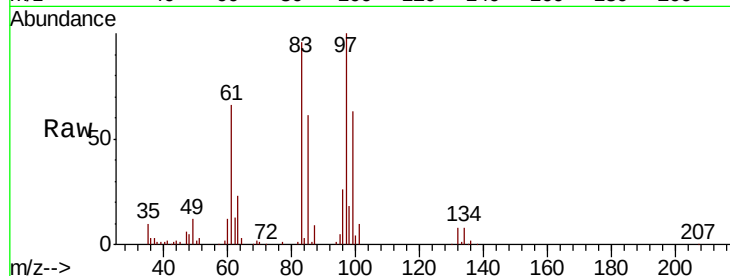
Ion Ratio Lower Upper

97 100

83 95.6 74.3 111.5

85 61.3 47.2 70.8

99 63.1 48.9 73.3

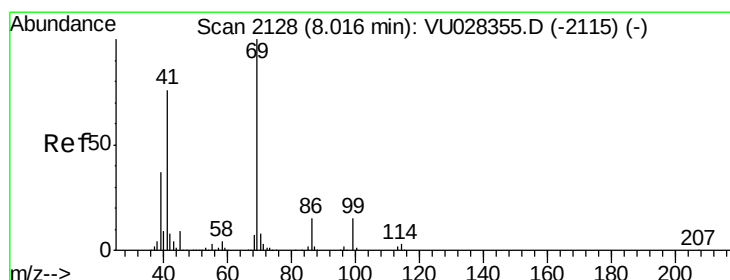
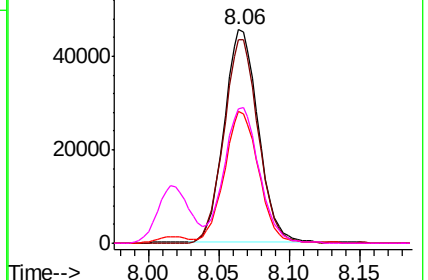
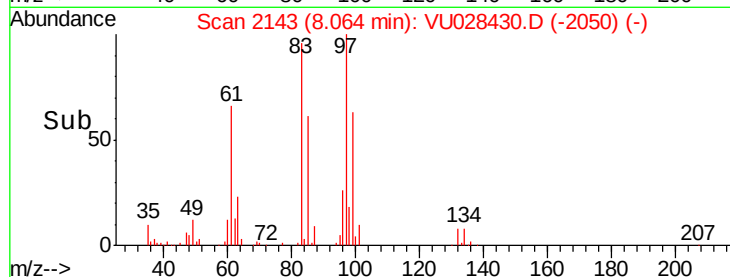


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 18.861 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

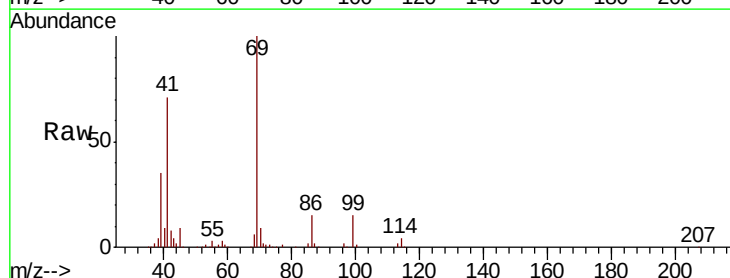
Tgt Ion: 69 Resp: 134650

Ion Ratio Lower Upper

69 100

41 73.1 60.0 90.0

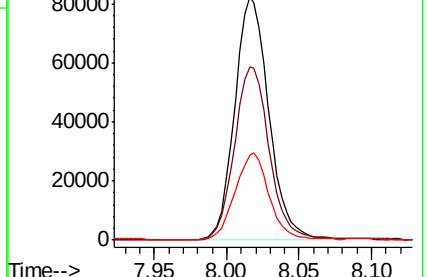
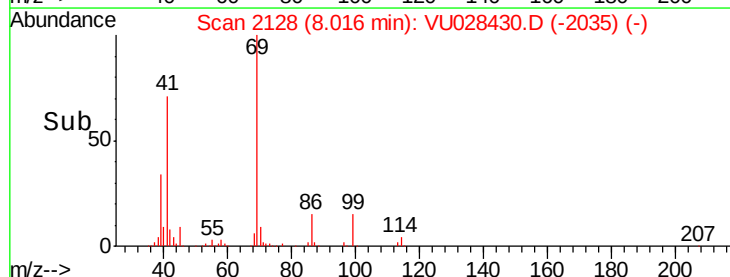
39 35.3 29.0 43.6

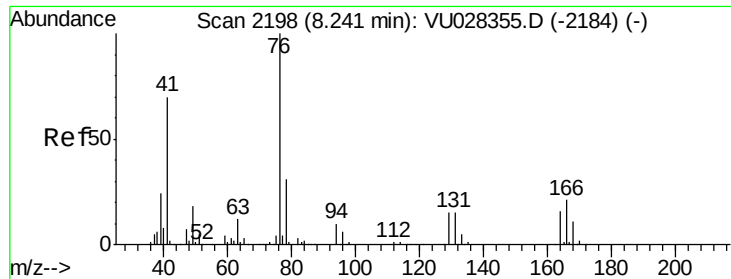


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 18.627 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

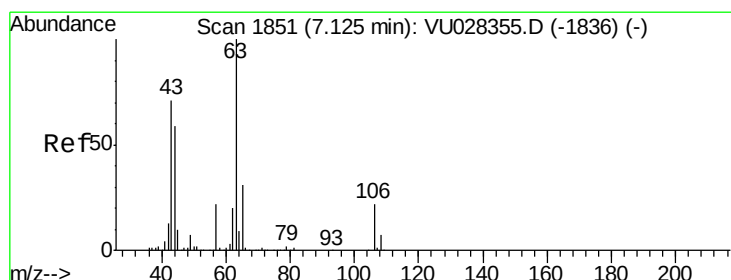
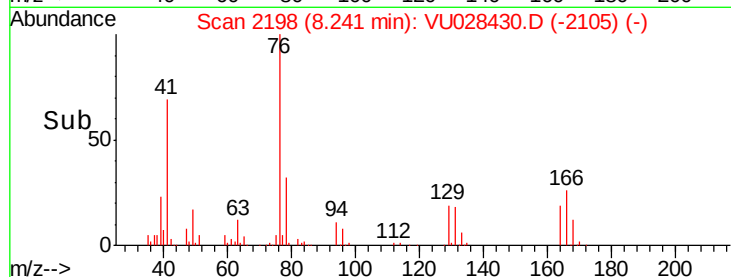
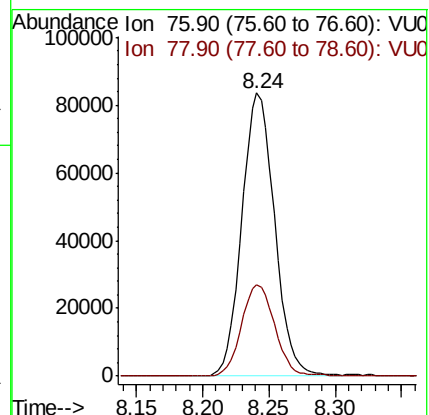
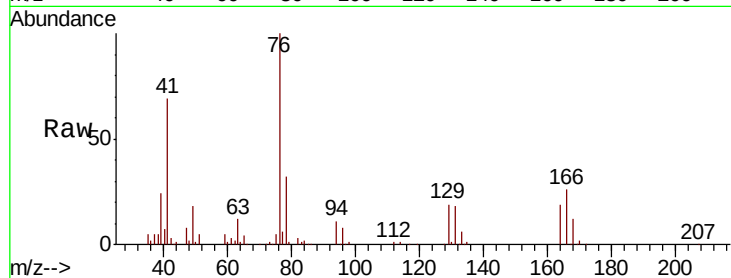
VU1203WBS01

Tot Ion: 76 Resp: 143346

Ion Ratio Lower Upper

76 100

78 33.0 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 89.815 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028430.D

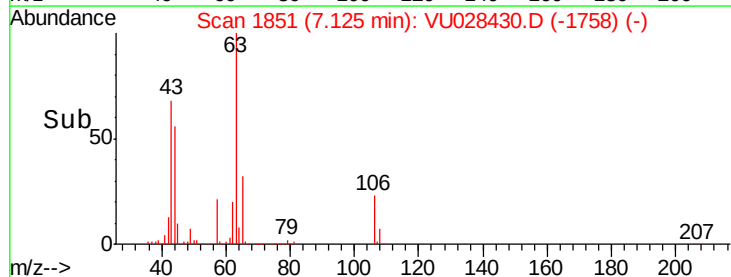
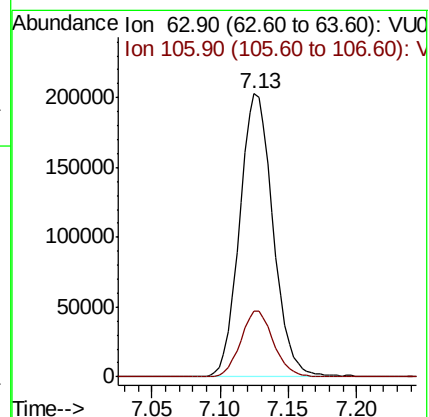
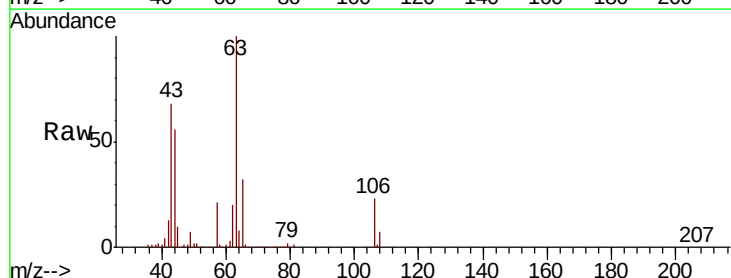
Acq: 03 Dec 2018 10:53

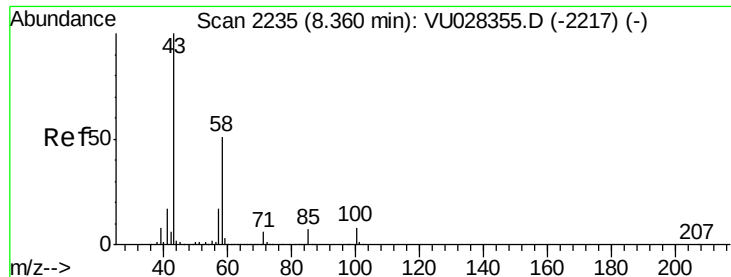
Tgt Ion: 63 Resp: 344253

Ion Ratio Lower Upper

63 100

106 22.8 17.3 25.9

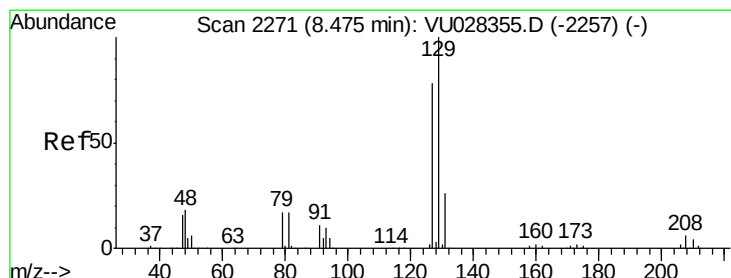
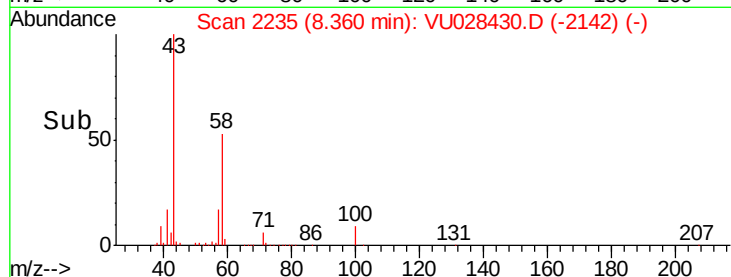
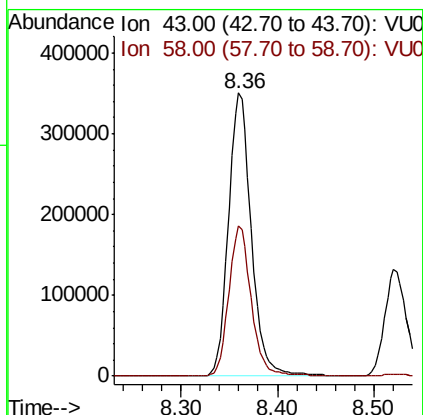
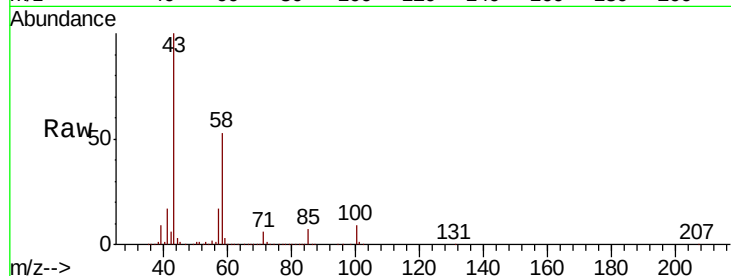




#59
2-Hexanone
Concen: 90.837 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

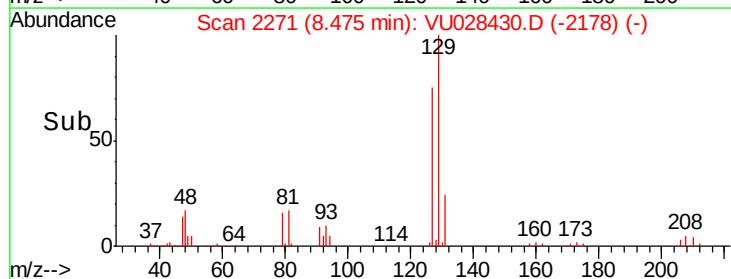
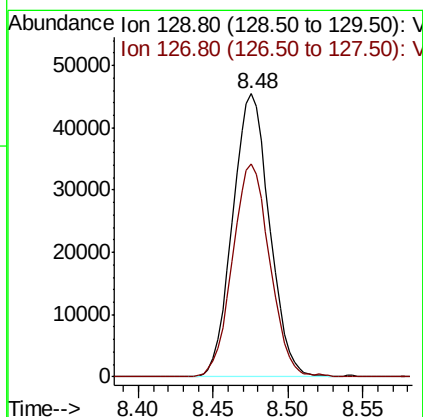
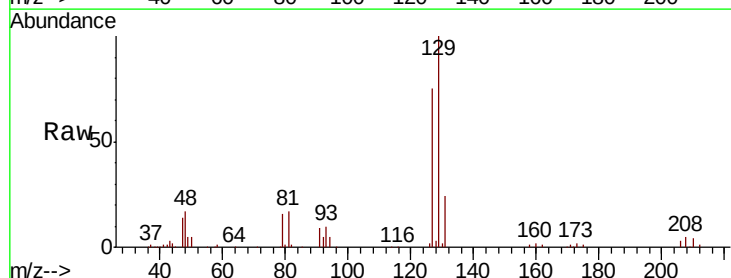
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

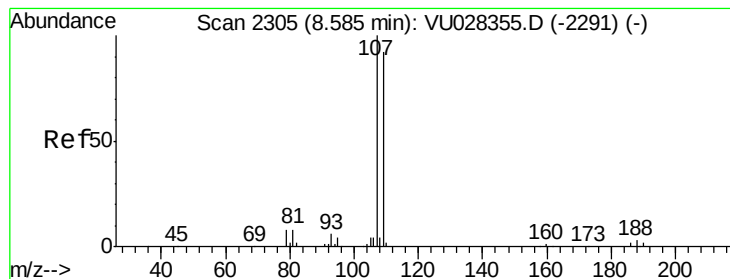
Tot Ion: 43 Resp: 573754
Ion Ratio Lower Upper
43 100
58 52.2 25.5 76.5



#60
Dibromochloromethane
Concen: 19.573 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 129 Resp: 78120
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.822 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

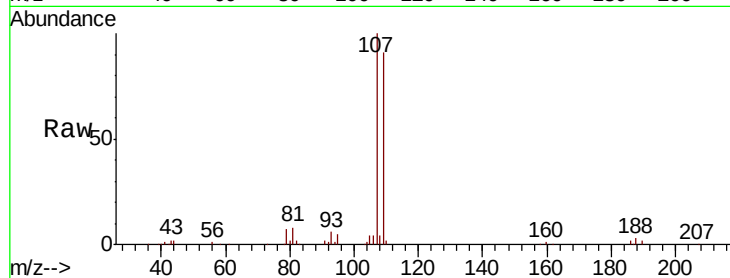
VU1203WBS01

Tot Ion:107 Resp: 85195

Ion Ratio Lower Upper

107 100

109 90.5 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

60000

50000

40000

30000

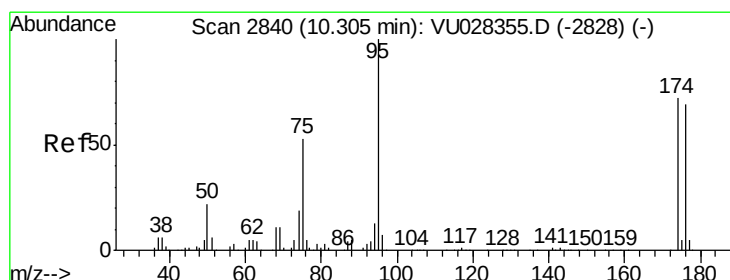
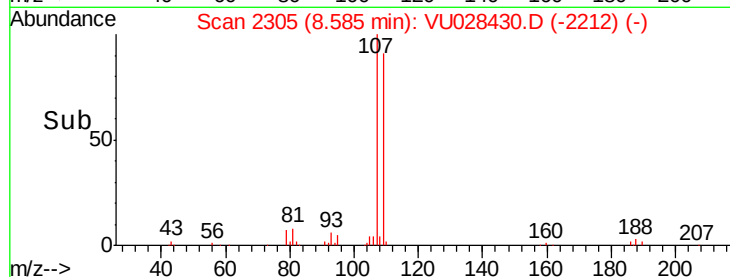
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 49.665 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

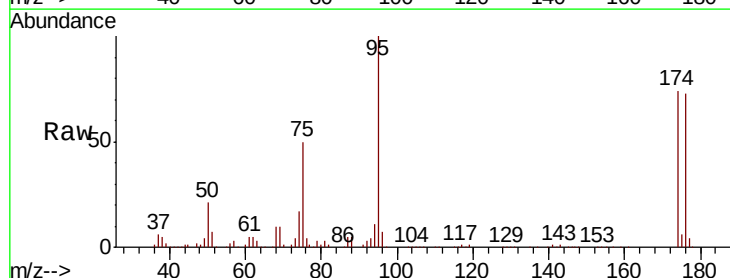
Tgt Ion: 95 Resp: 257195

Ion Ratio Lower Upper

95 100

174 74.5 0.0 145.4

176 72.7 0.0 140.8



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

200000

150000

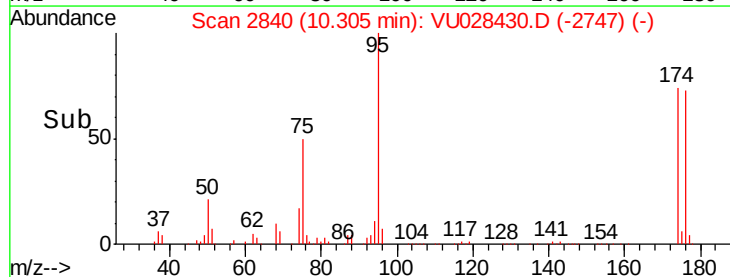
100000

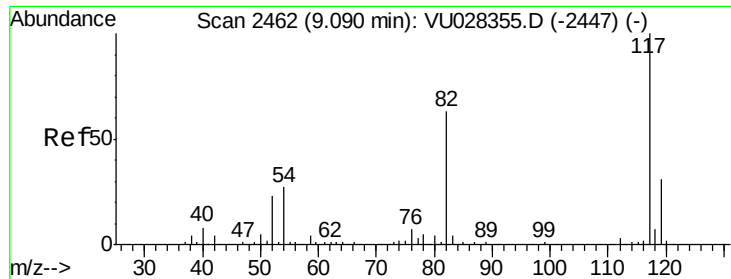
50000

0

10.20 10.30 10.40

Time-->

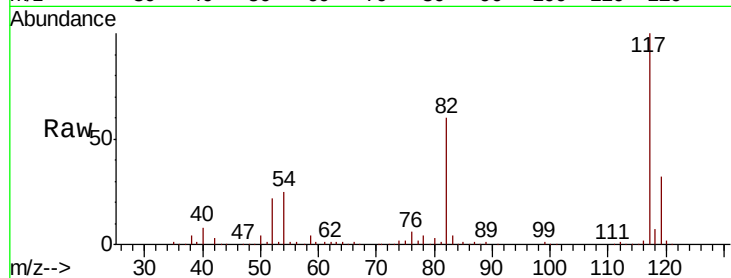




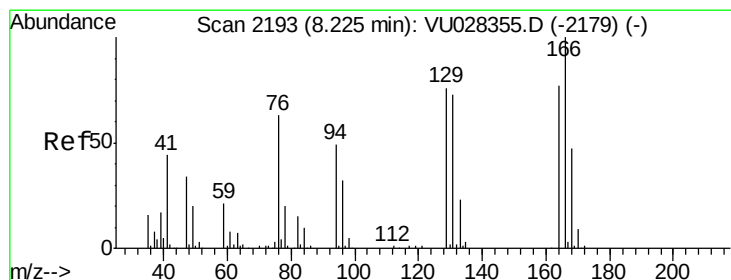
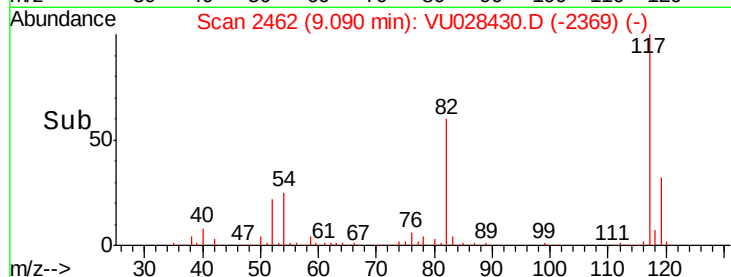
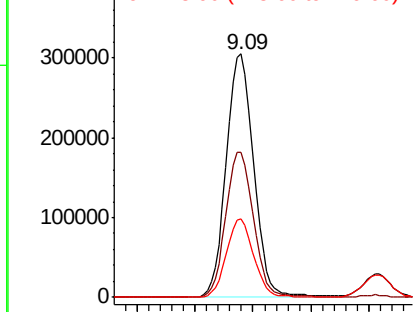
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion:117 Resp: 500378
Ion Ratio Lower Upper
117 100
82 59.6 50.3 75.5
119 32.2 24.8 37.2



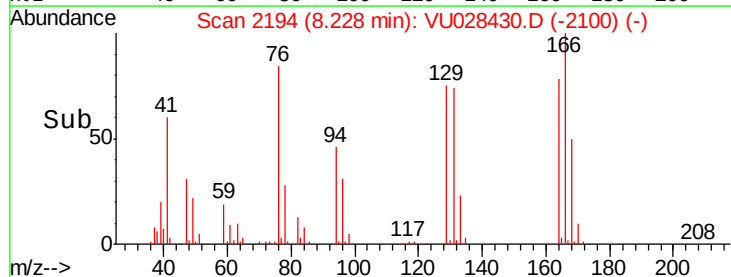
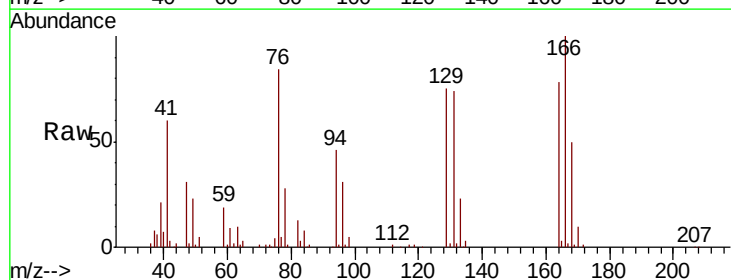
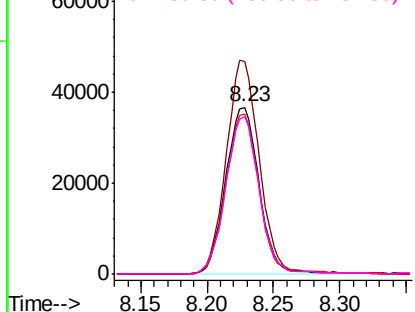
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

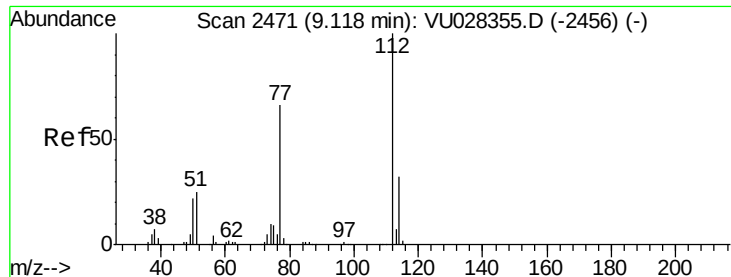


#64
Tetrachloroethene
Concen: 19.517 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion:164 Resp: 64240
Ion Ratio Lower Upper
164 100
166 127.9 104.0 156.0
129 96.5 79.2 118.8
131 94.7 75.7 113.5

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

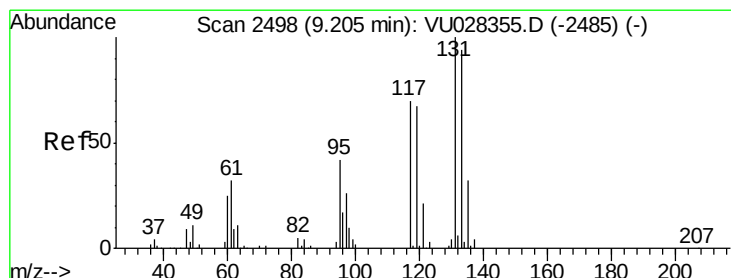
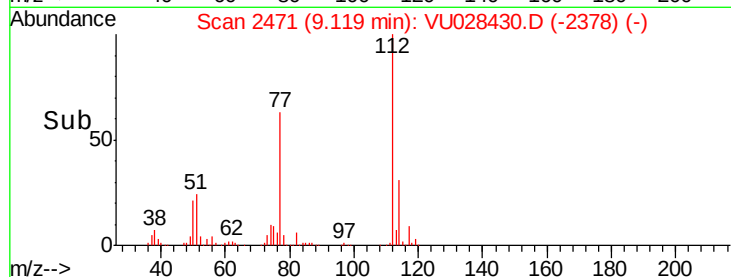
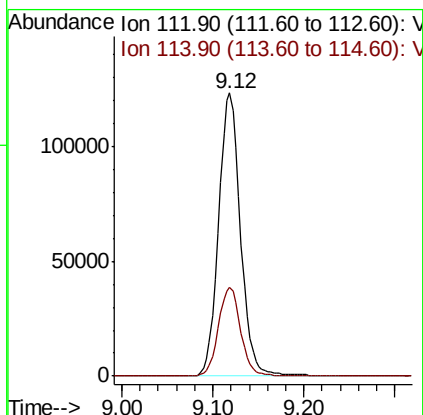
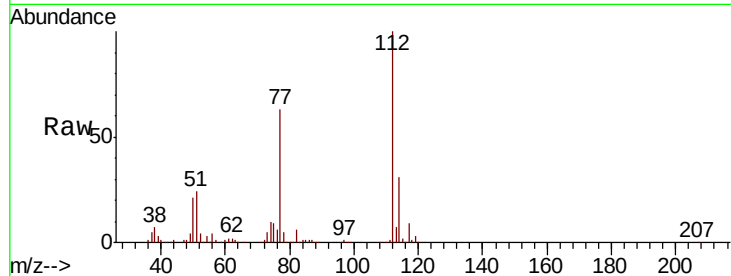




#65
Chlorobenzene
Concen: 19.827 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

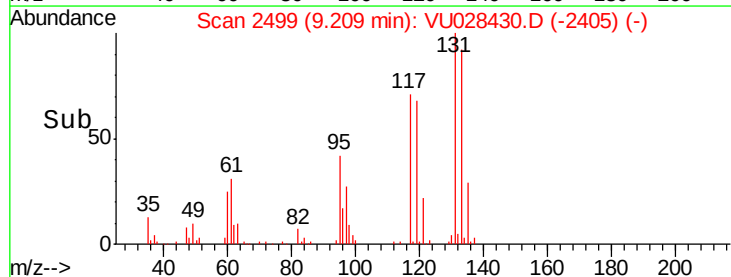
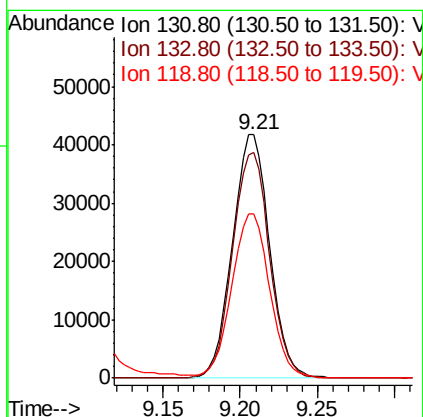
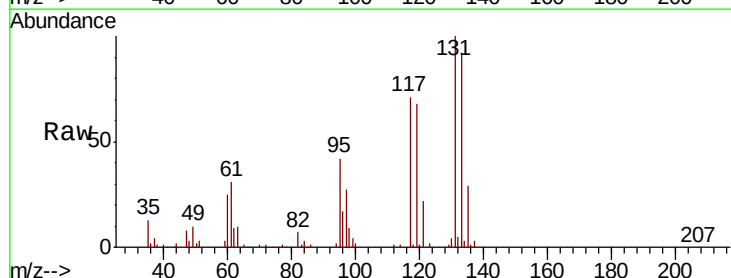
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

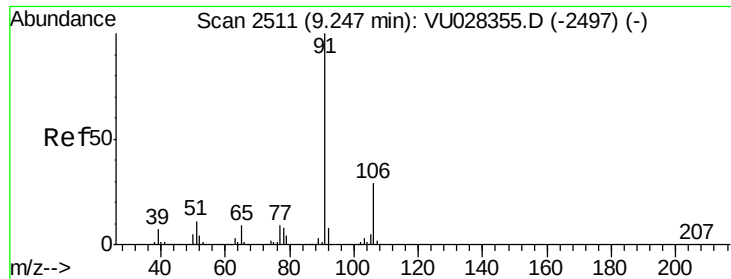
Tot Ion:112 Resp: 206006
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.516 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion:131 Resp: 69504
Ion Ratio Lower Upper
131 100
133 92.8 47.3 141.8
119 69.1 34.1 102.2

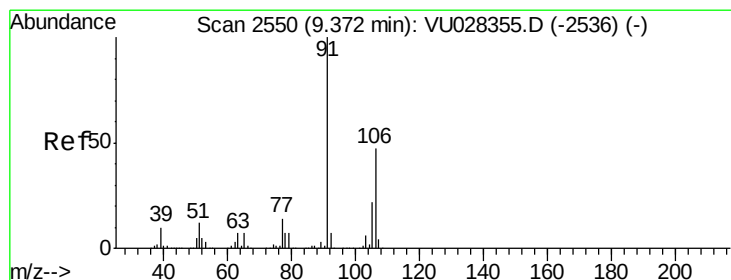
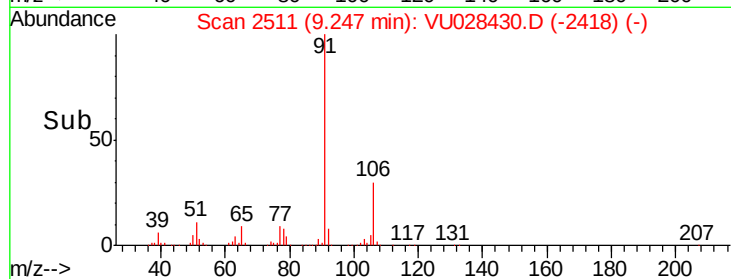
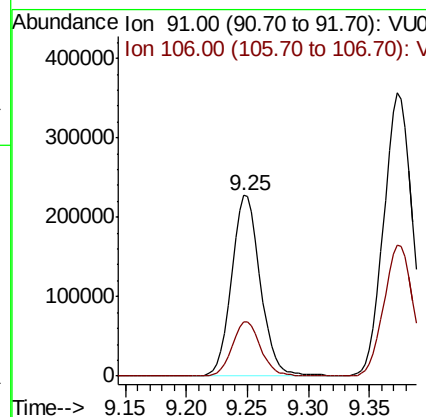
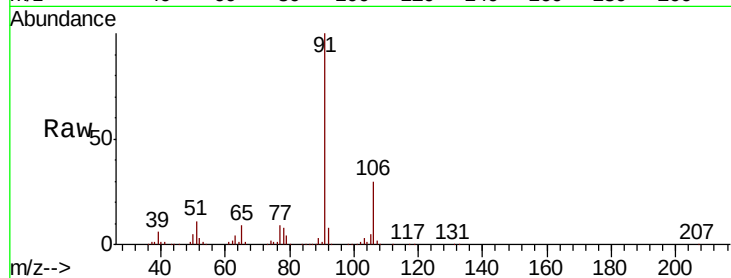




#67
Ethyl Benzene
Concen: 19.194 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

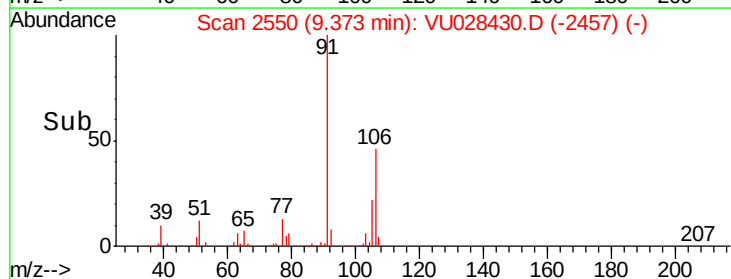
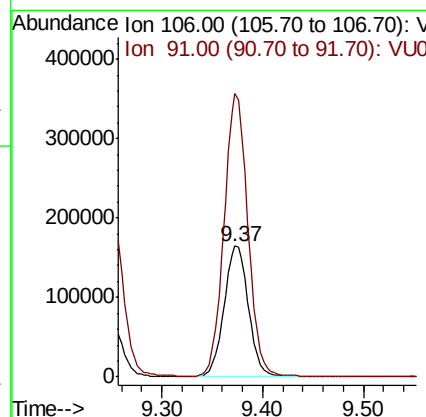
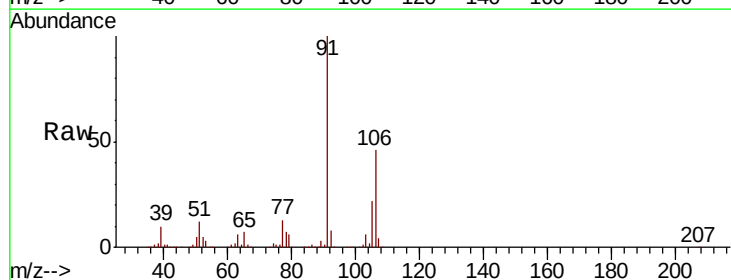
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

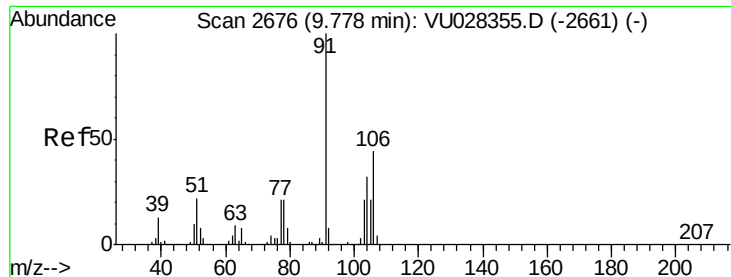
Tot Ion: 91 Resp: 375610
Ion Ratio Lower Upper
91 100
106 29.7 23.3 34.9



#68
m/p-Xylenes
Concen: 39.426 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 106 Resp: 277696
Ion Ratio Lower Upper
106 100
91 212.2 171.0 256.6

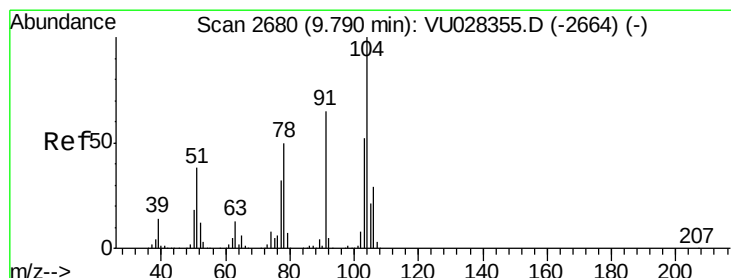
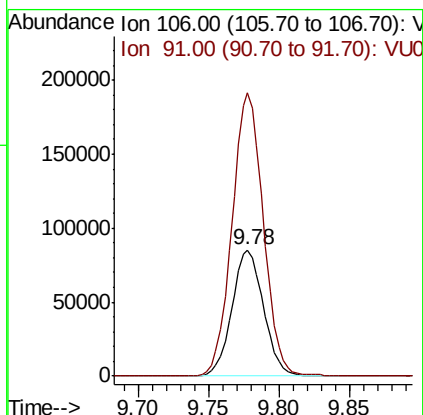
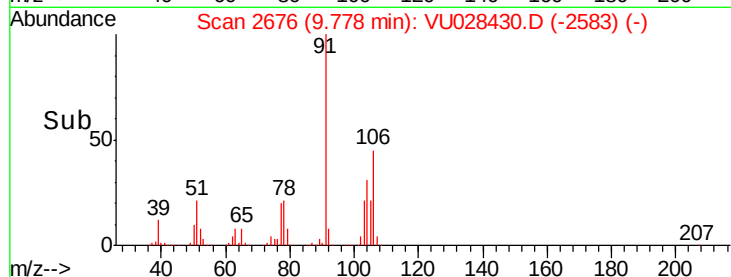
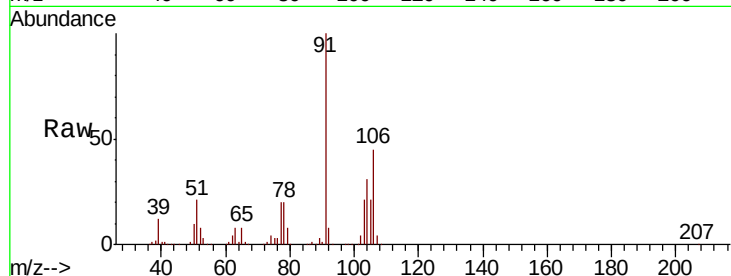




#69
o-Xylene
Concen: 19.130 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

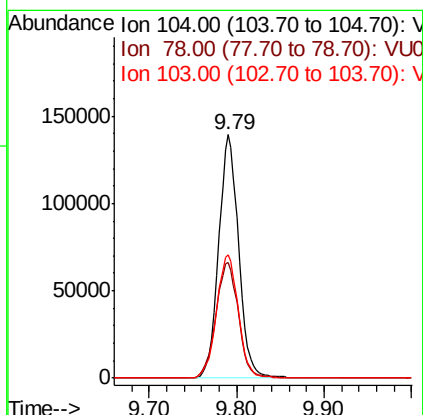
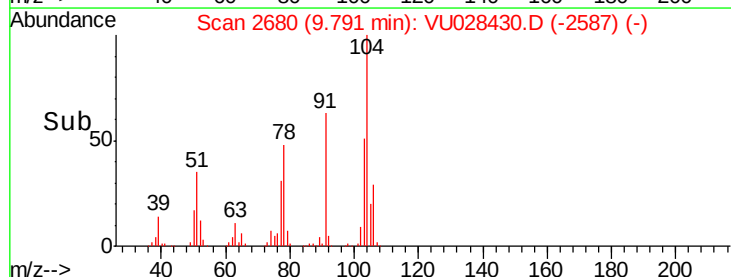
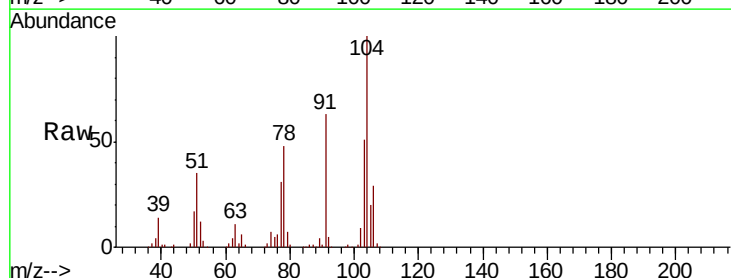
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

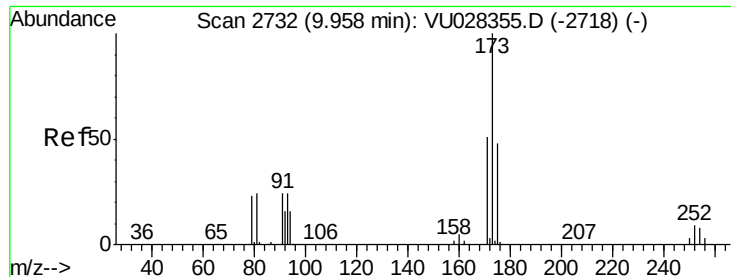
Tot Ion:106 Resp: 133949
Ion Ratio Lower Upper
106 100
91 222.6 112.7 338.0



#70
Styrene
Concen: 19.596 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion:104 Resp: 221292
Ion Ratio Lower Upper
104 100
78 53.6 43.3 64.9
103 55.1 44.8 67.2





#71

Bromoform

Concen: 19.340 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

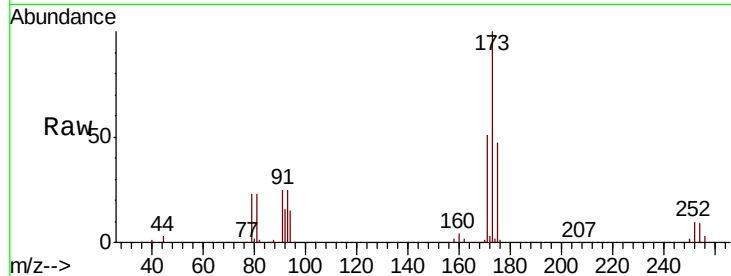
Tot Ion:173 Resp: 57893

Ion Ratio Lower Upper

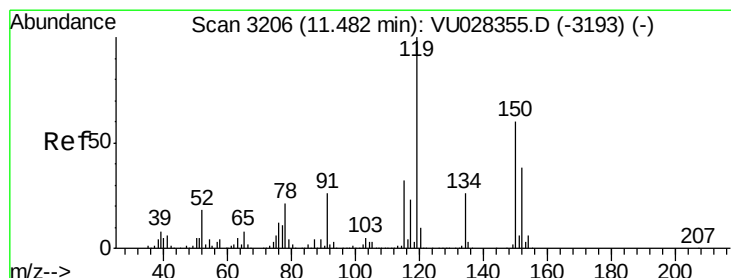
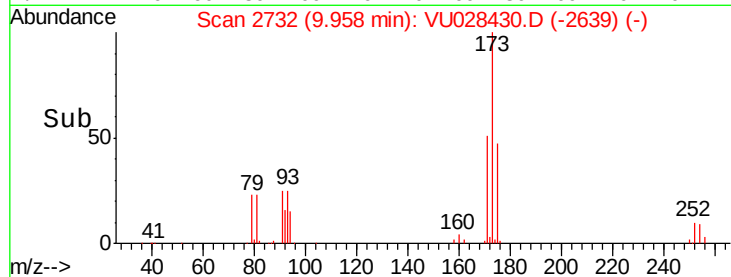
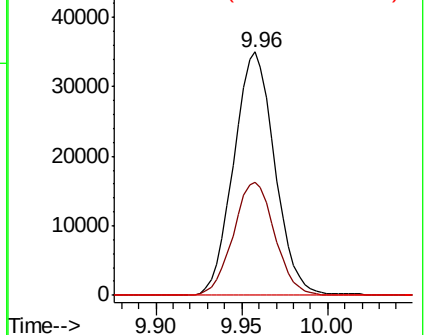
173 100

175 46.8 24.1 72.4

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

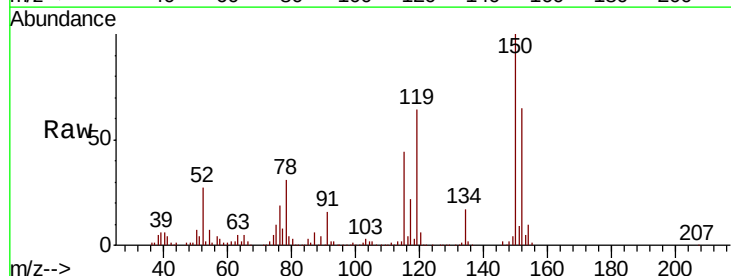
Tgt Ion:152 Resp: 244271

Ion Ratio Lower Upper

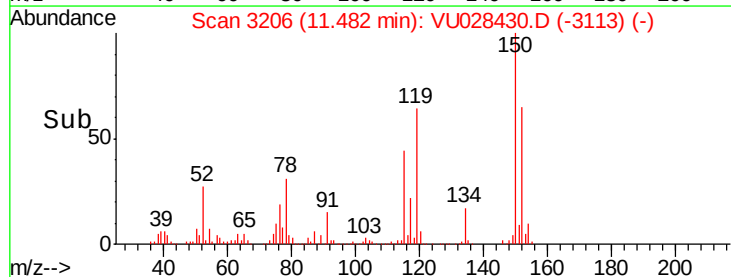
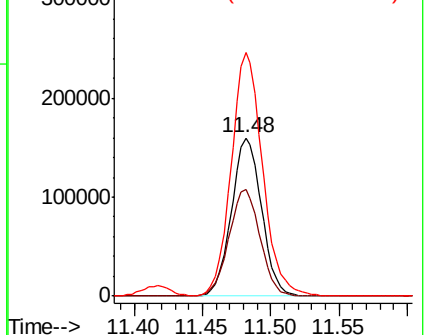
152 100

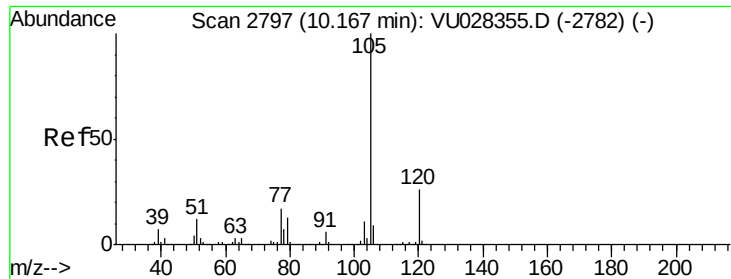
115 69.7 45.0 134.8

150 159.7 0.0 349.2



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





#73

Isopropylbenzene

Concen: 19.185 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

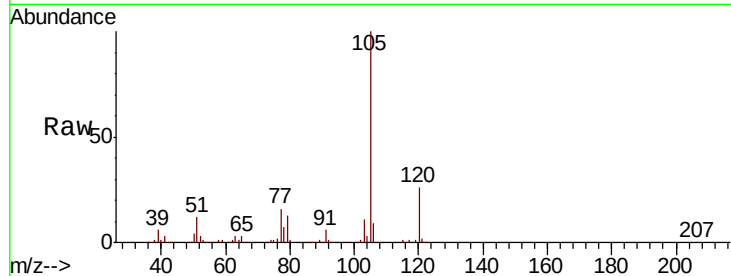
VU1203WBS01

Tot Ion:105 Resp: 364486

Ion Ratio Lower Upper

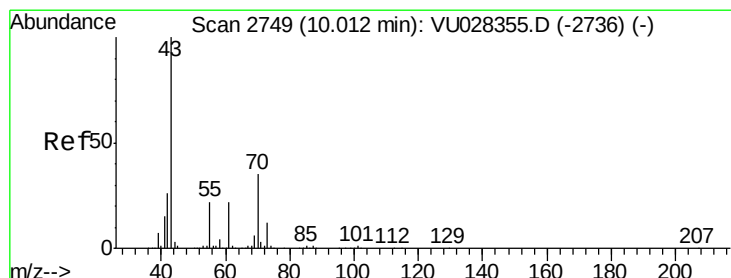
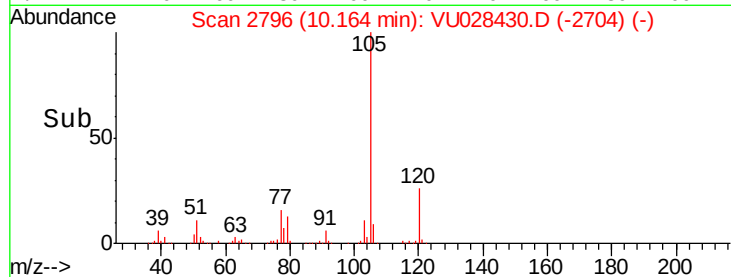
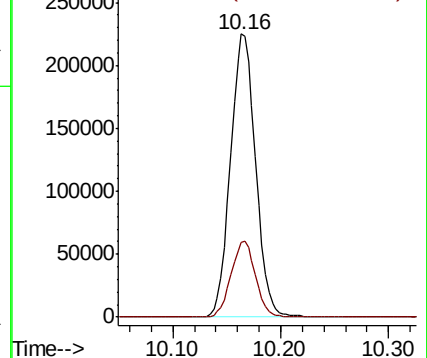
105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.027 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion: 43 Resp: 202675

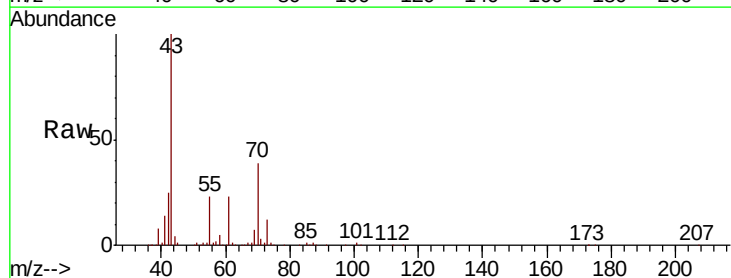
Ion Ratio Lower Upper

43 100

70 39.0 28.4 42.6

55 23.0 18.0 27.0

61 23.1 17.6 26.4

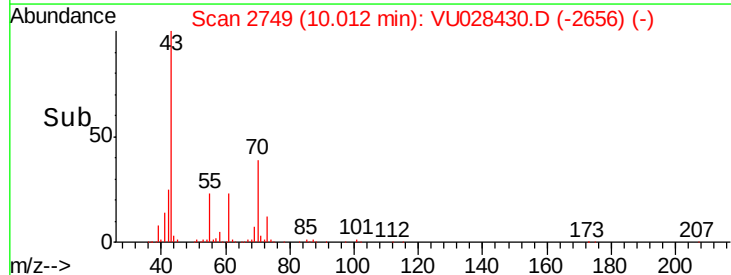
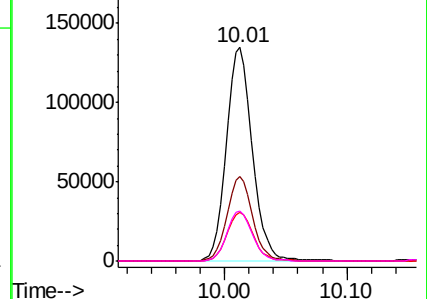


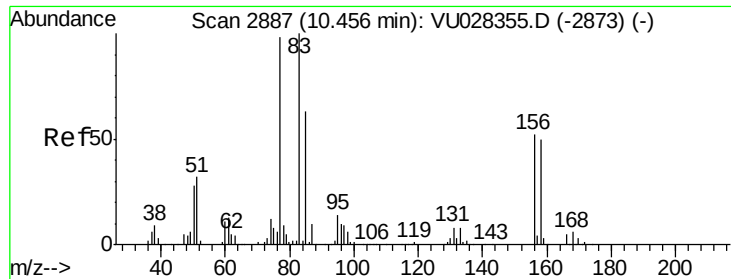
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.853 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

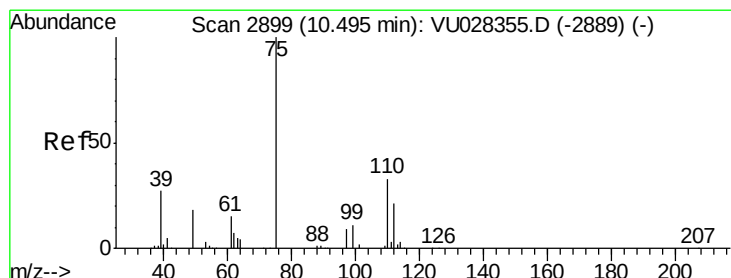
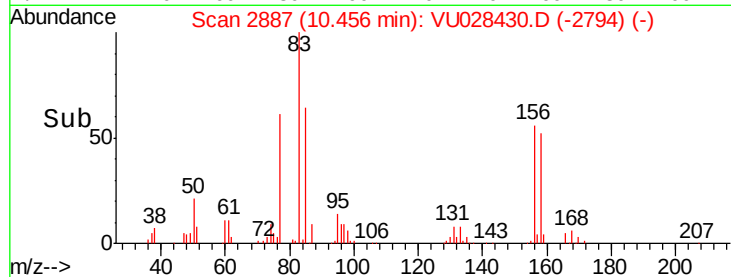
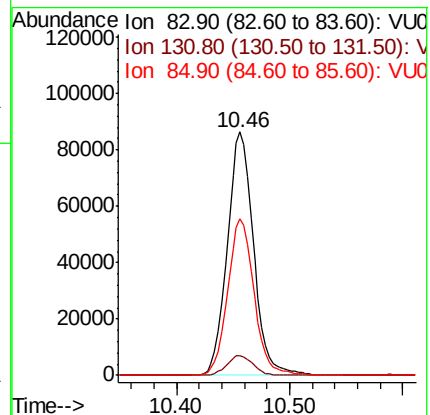
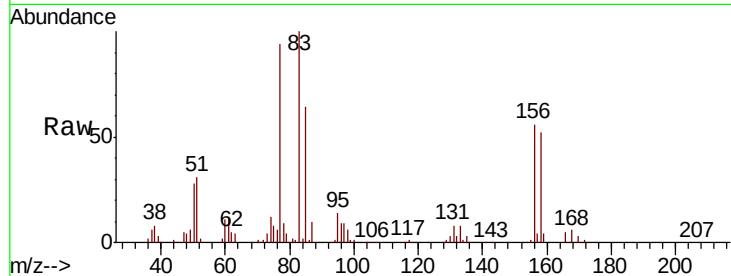
Tot Ion: 83 Resp: 139479

Ion Ratio Lower Upper

83 100

131 8.1 4.0 12.2

85 64.6 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 24.736 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028430.D

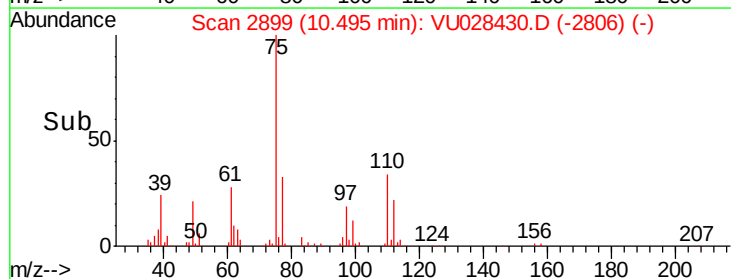
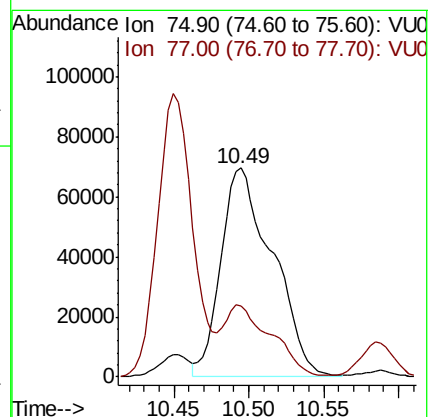
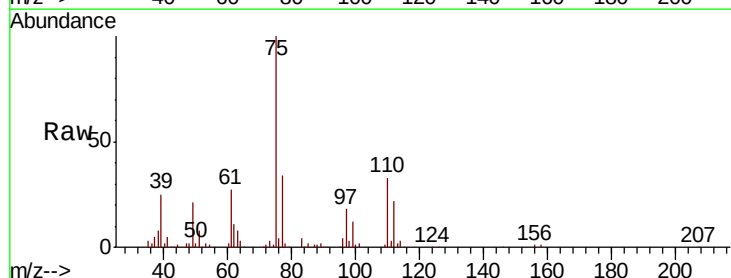
Acq: 03 Dec 2018 10:53

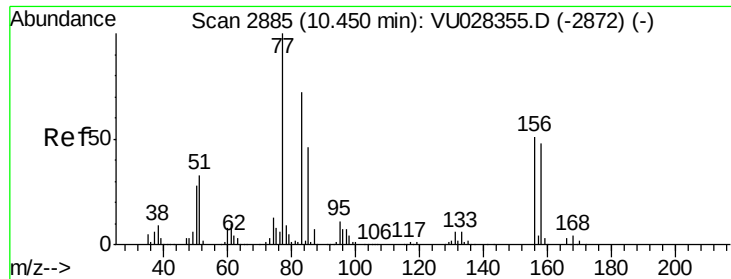
Tgt Ion: 75 Resp: 167557

Ion Ratio Lower Upper

75 100

77 31.0 22.4 67.0

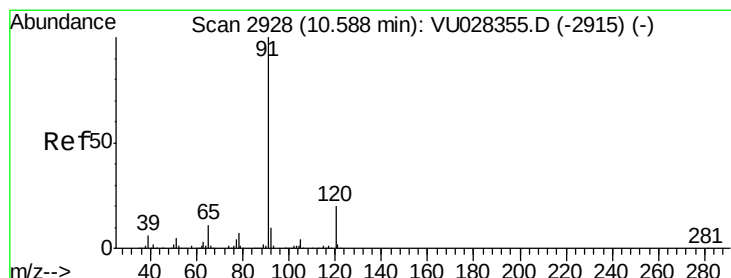
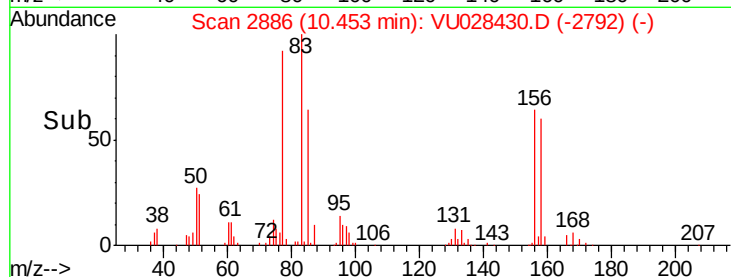
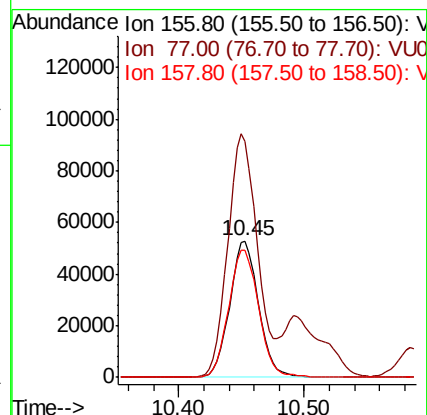
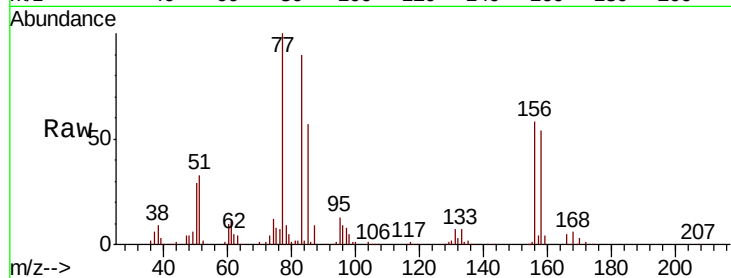




#77
Bromobenzene
Concen: 18.778 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

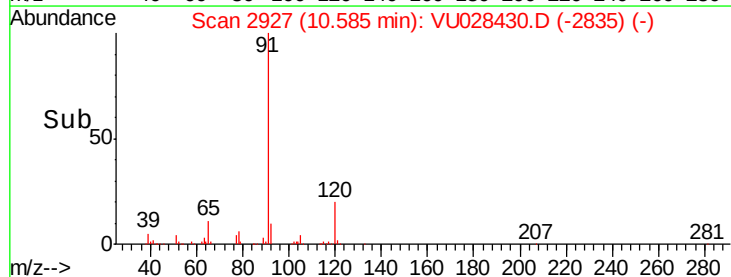
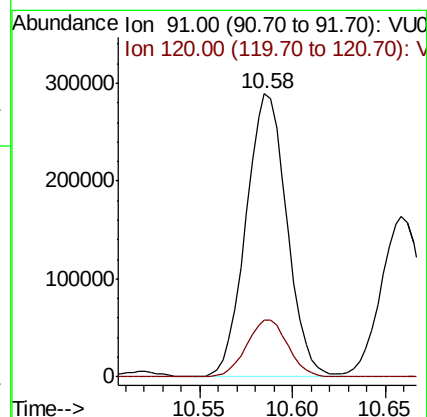
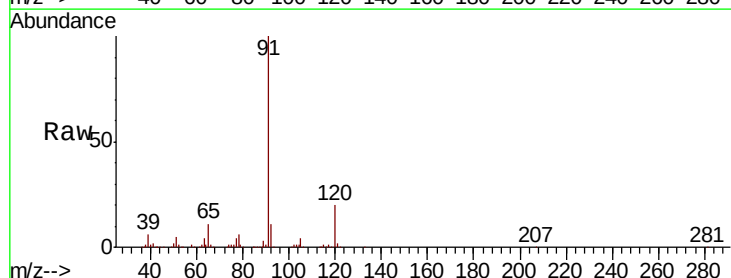
Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

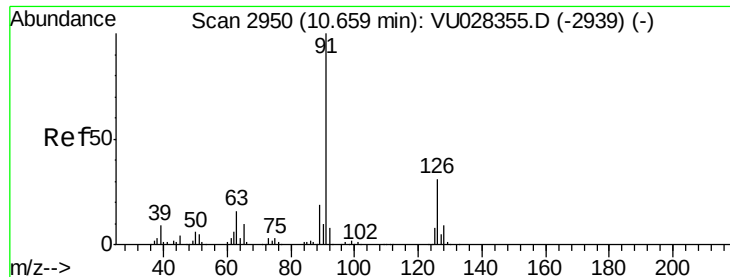
Tot Ion:156 Resp: 84060
Ion Ratio Lower Upper
156 100
77 184.6 97.0 290.9
158 97.1 46.8 140.4



#78
n-propylbenzene
Concen: 18.923 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 91 Resp: 443496
Ion Ratio Lower Upper
91 100
120 20.4 10.3 30.8





#79

2-Chlorotoluene

Concen: 18.693 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

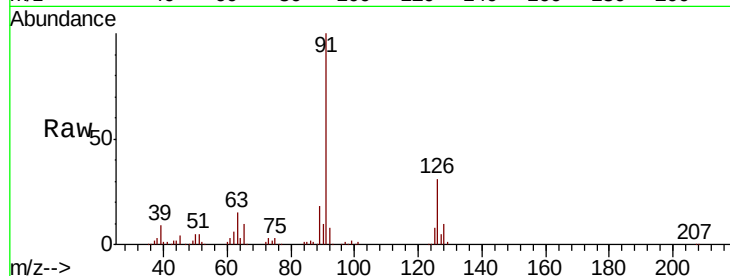
VU1203WBS01

Tot Ion: 91 Resp: 258263

Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

300000

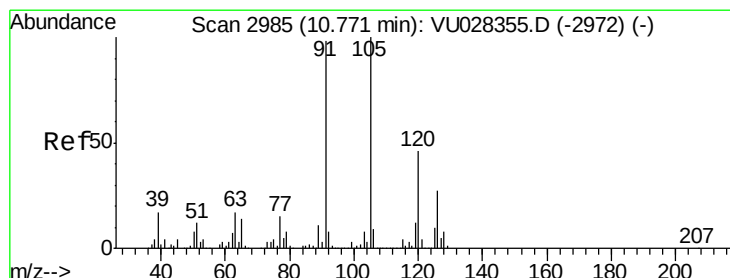
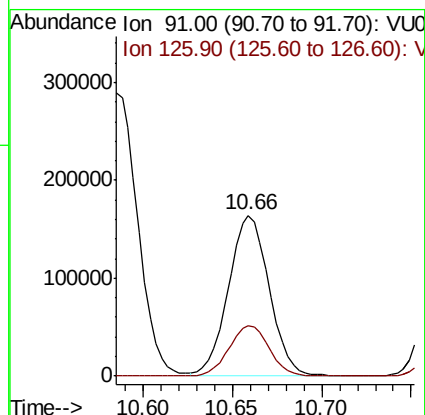
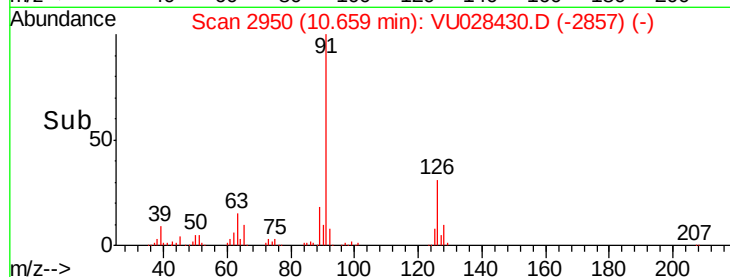
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.839 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028430.D

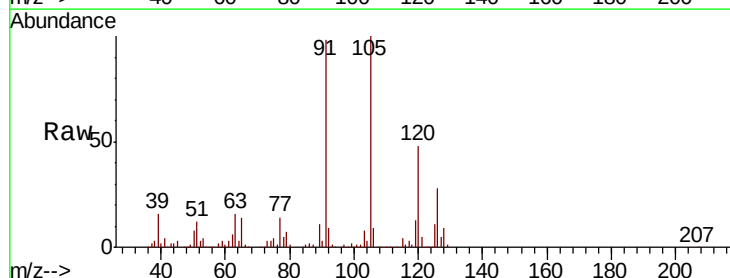
Acq: 03 Dec 2018 10:53

Tgt Ion: 105 Resp: 301605

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

200000

150000

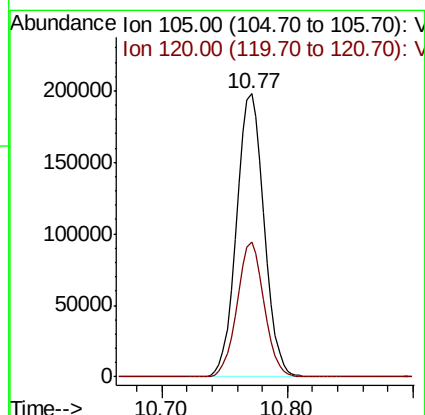
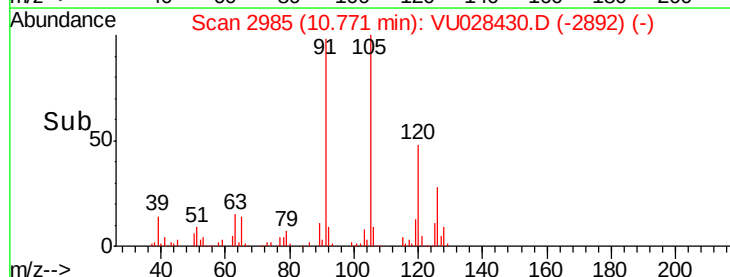
100000

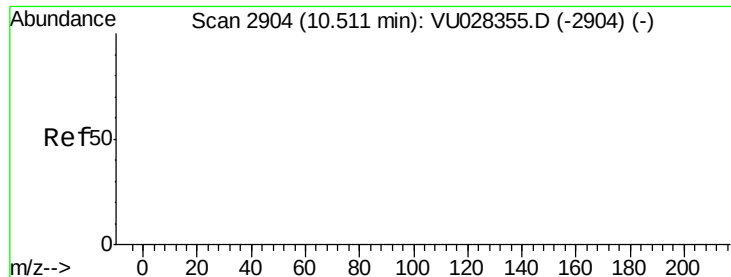
50000

0

10.70 10.75 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 65.661 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

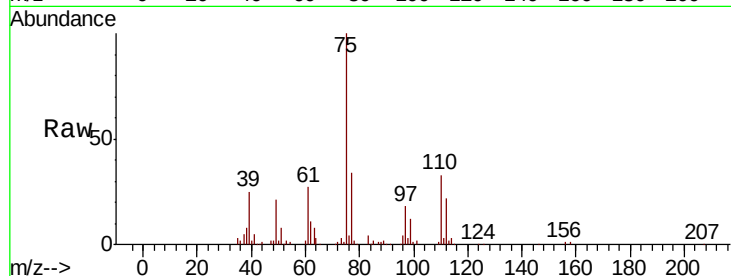
Tot Ion: 75 Resp: 167557

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

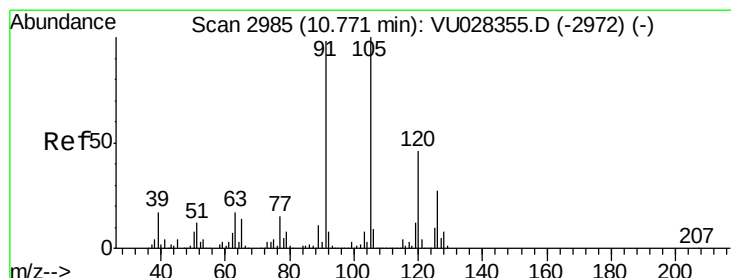
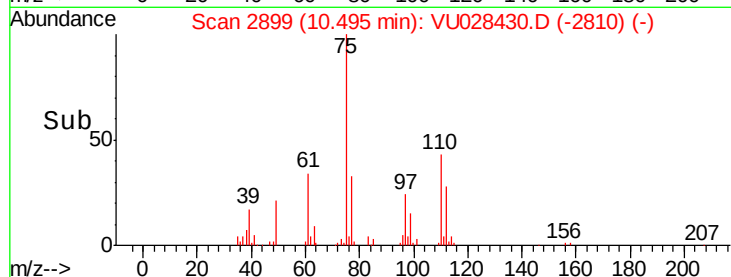
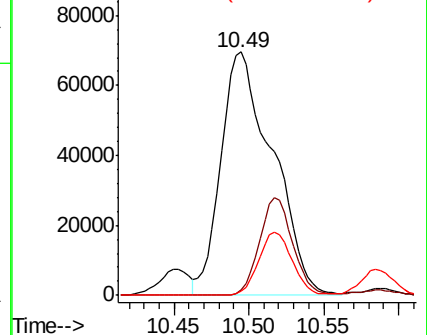
89 0.0 0.0 0.0



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: 18.524 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028430.D

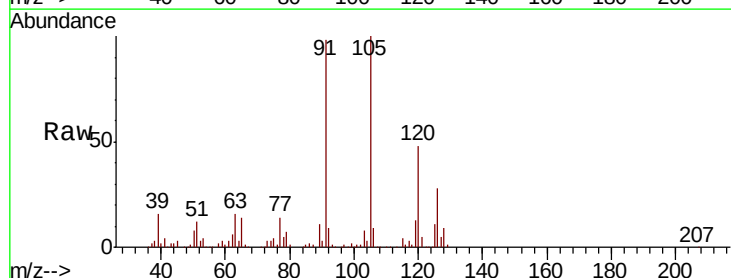
Acq: 03 Dec 2018 10:53

Tgt Ion: 91 Resp: 294875

Ion Ratio Lower Upper

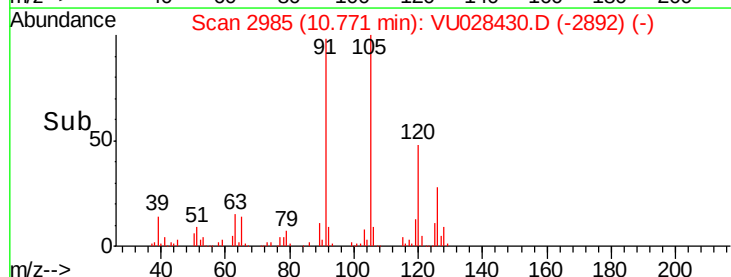
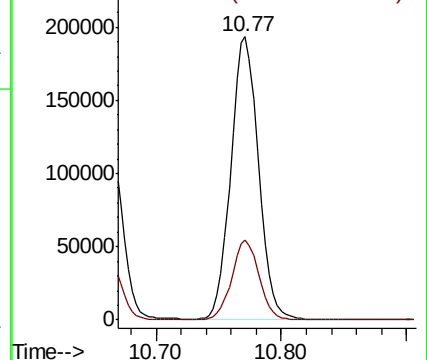
91 100

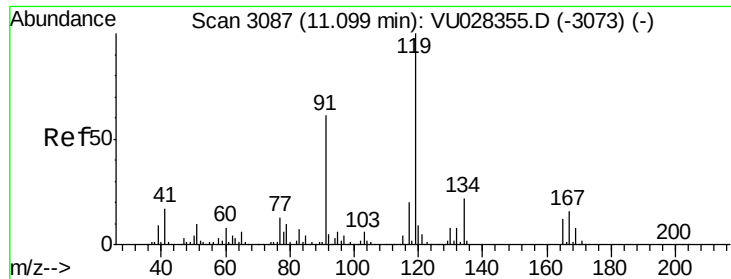
126 28.1 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

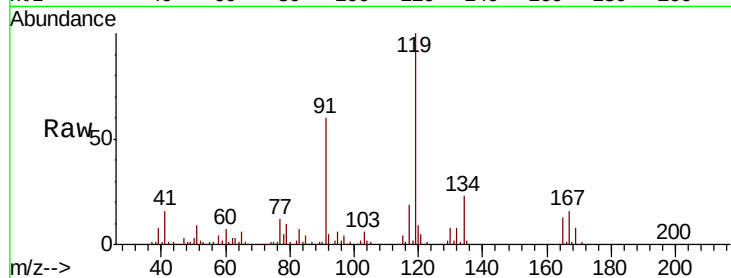




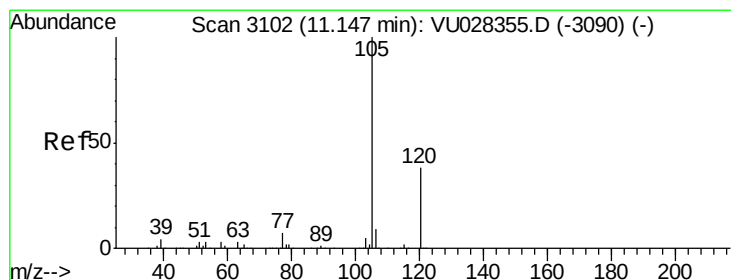
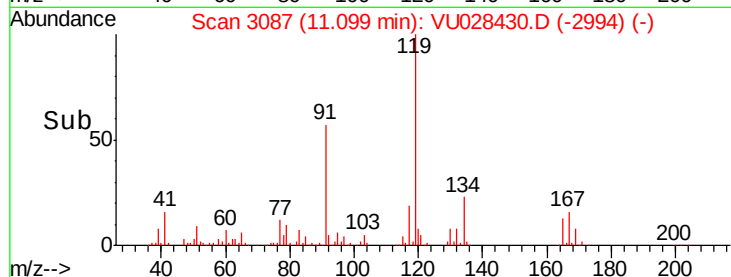
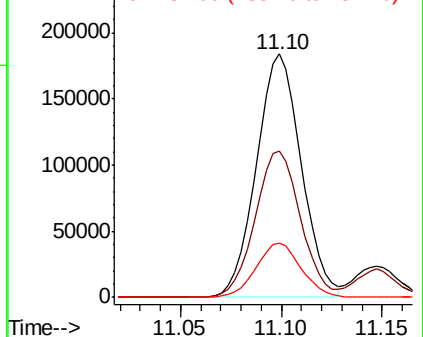
#83
 tert-Butylbenzene
 Concen: 19.142 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.8	92.4
134	22.5	11.1	33.1

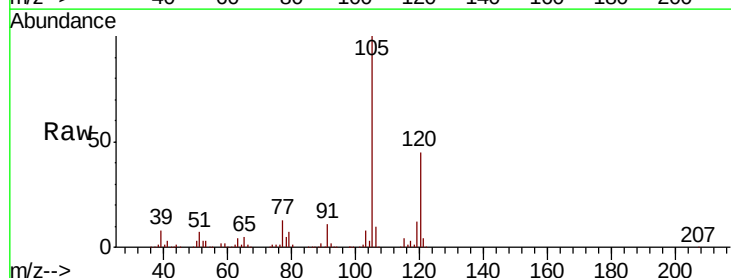


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

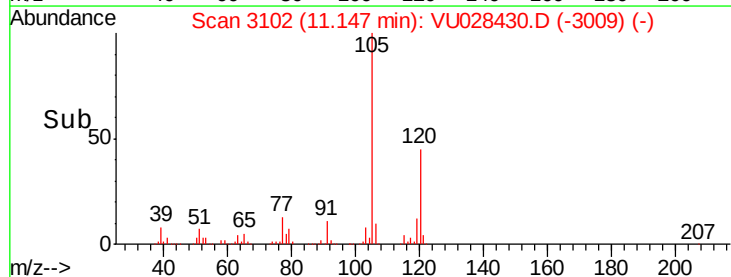
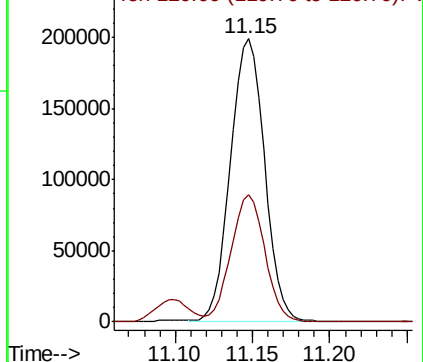


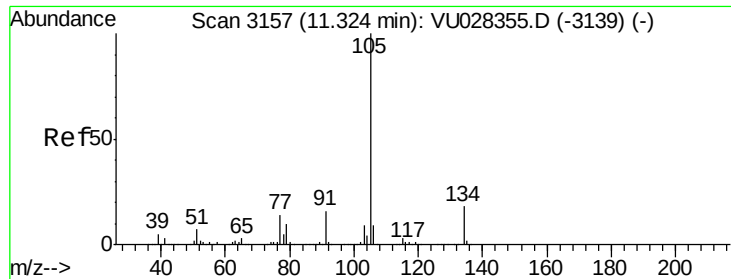
#84
 1,2,4-Trimethylbenzene
 Concen: 18.799 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.4	64.3



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





#85

sec-Butylbenzene

Concen: 18.838 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

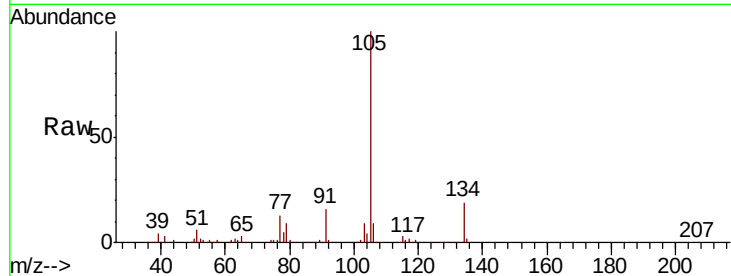
VU1203WBS01

Tot Ion:105 Resp: 365151

Ion Ratio Lower Upper

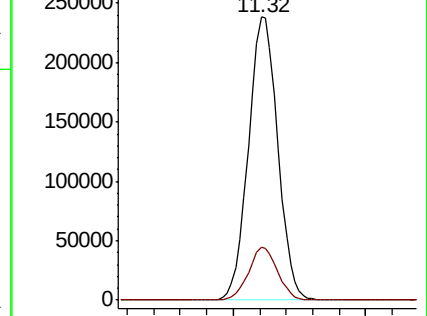
105 100

134 18.5 9.3 27.7

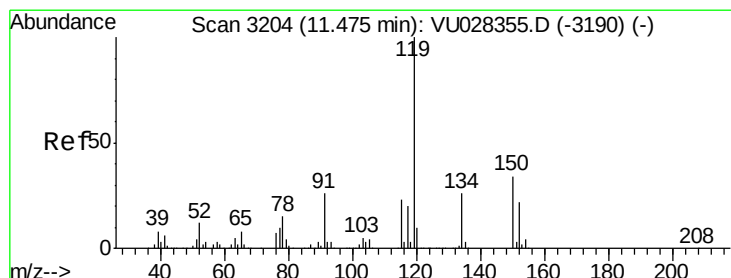
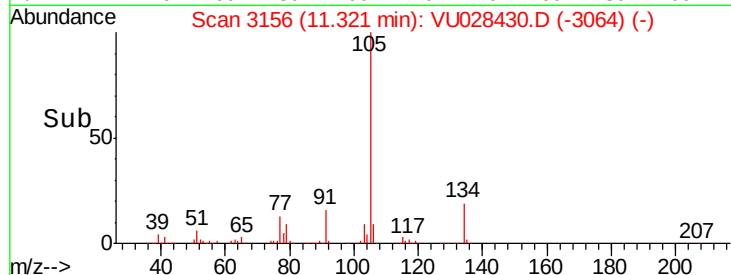


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.317 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

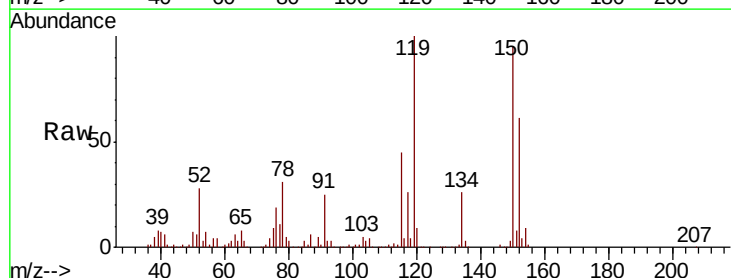
Tgt Ion:119 Resp: 307885

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

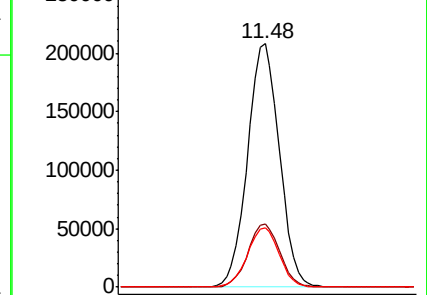
91 24.5 13.1 39.1



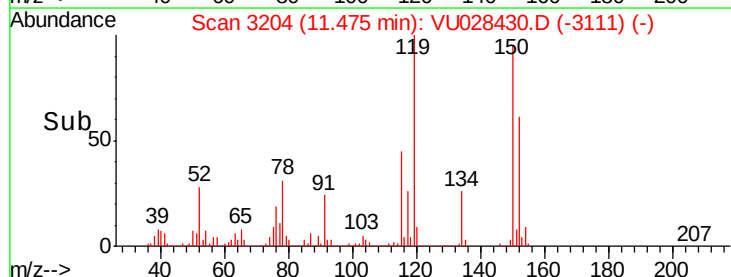
Abundance Ion 119.00 (118.70 to 119.70): V

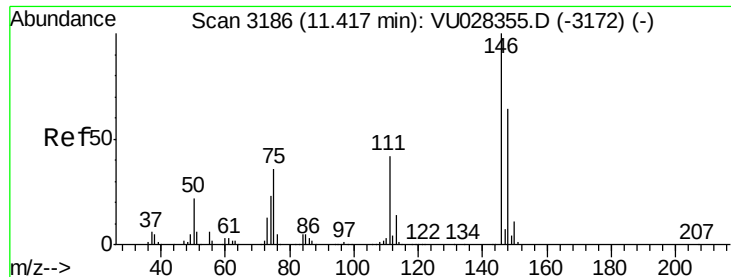
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->

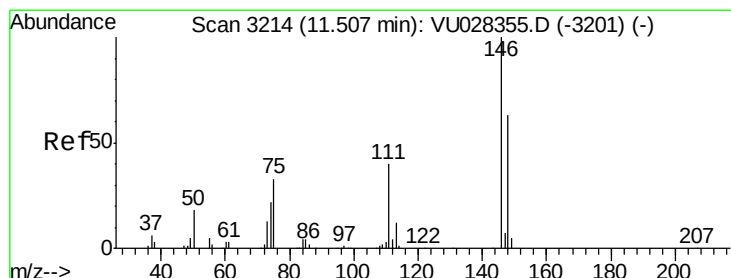
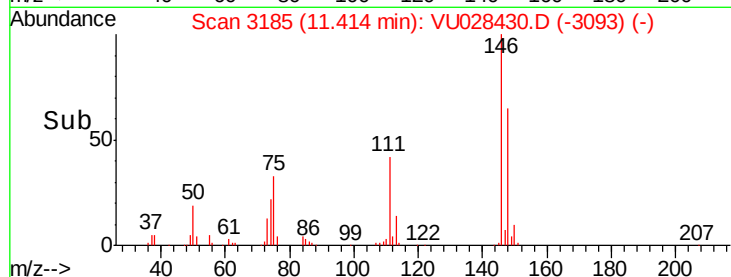
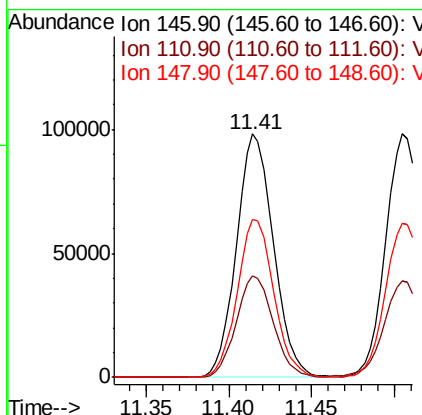
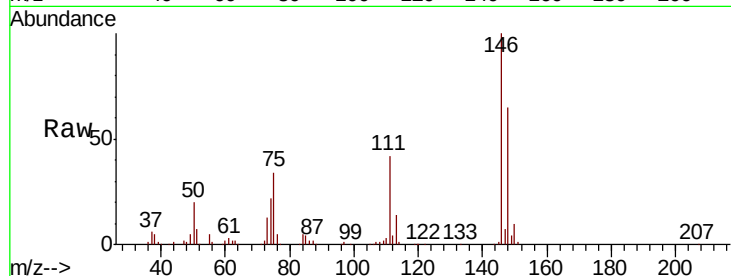




#87
 1,3-Dichlorobenzene
 Concen: 18.694 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

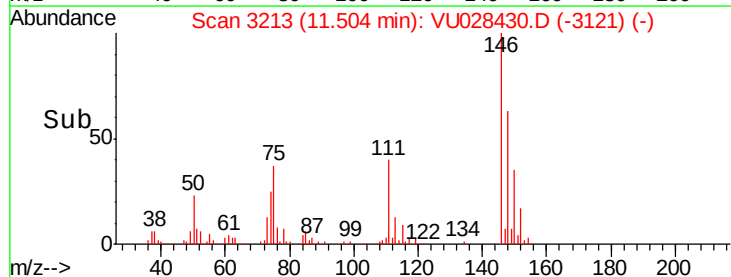
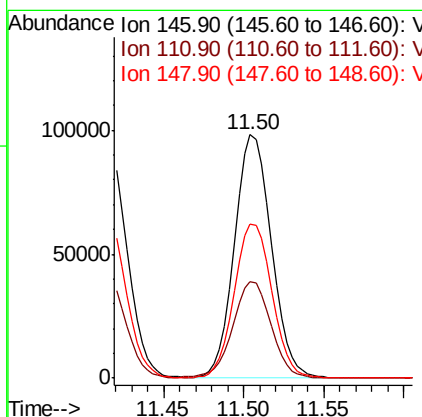
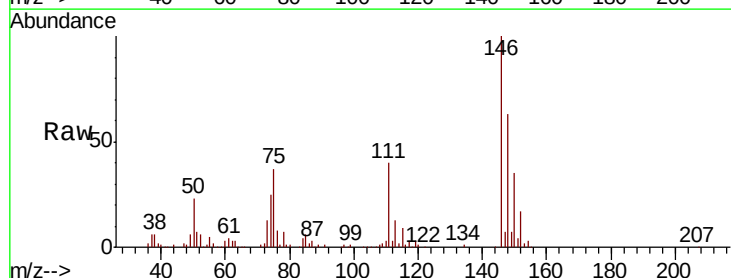
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

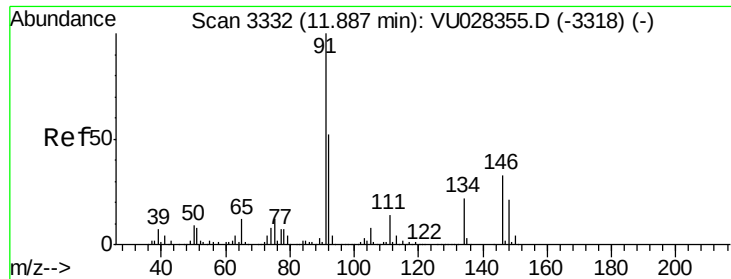
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.637 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	65.4	31.1	93.5





#89

n-Butylbenzene

Concen: 19.035 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

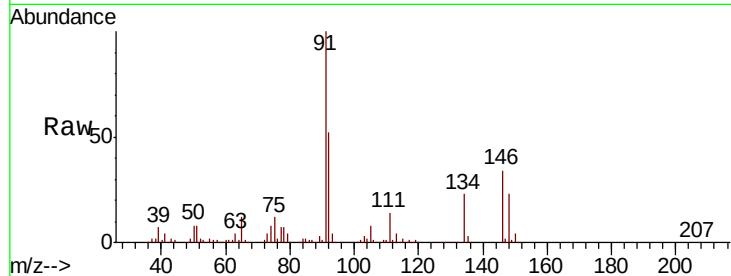
Tot Ion: 91 Resp: 299435

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

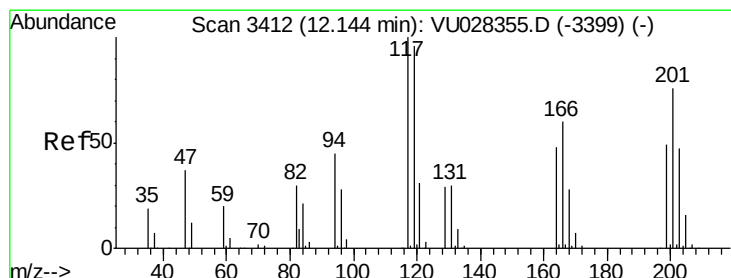
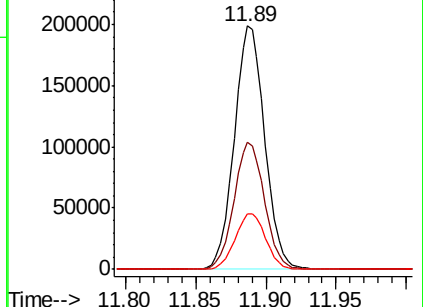
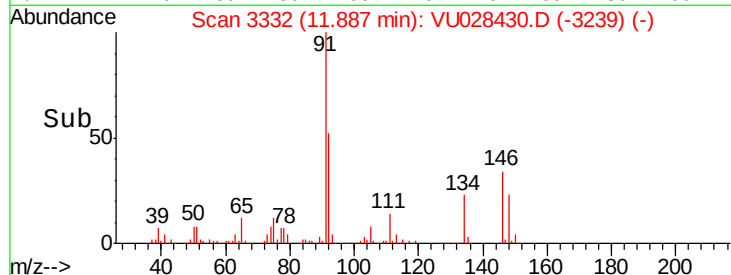
134 23.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VU028430.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028430.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028430.D (-3239) (-)



#90

Hexachloroethane

Concen: 18.322 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028430.D

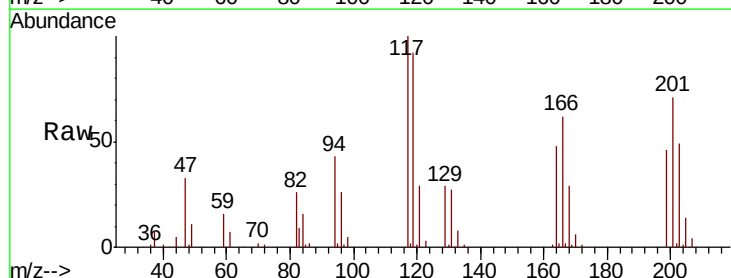
Acq: 03 Dec 2018 10:53

Tgt Ion: 117 Resp: 45593

Ion Ratio Lower Upper

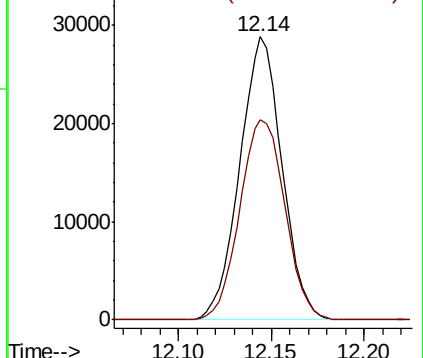
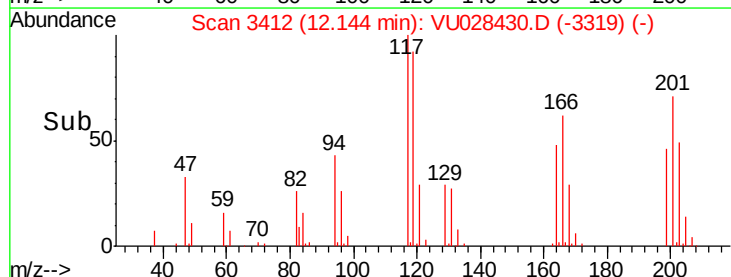
117 100

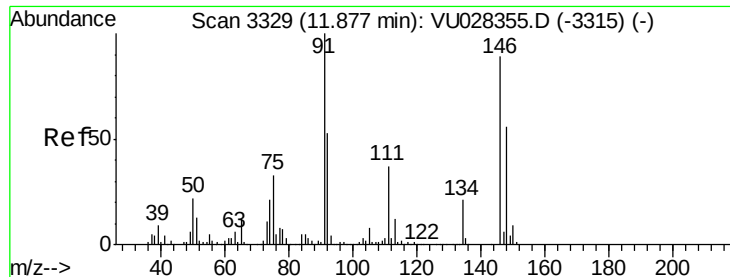
201 75.6 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028430.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028430.D (-3319) (-)





#91

1,2-Dichlorobenzene

Concen: 18.484 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

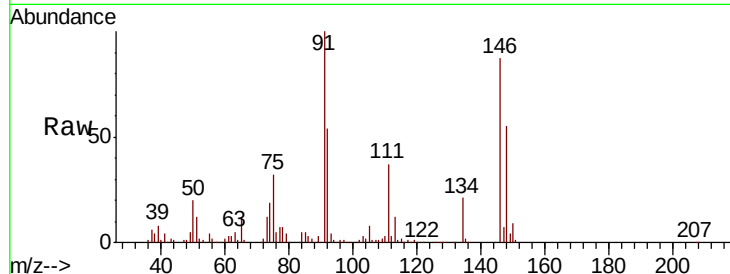
Tot Ion:146 Resp: 150571

Ion Ratio Lower Upper

146 100

111 42.5 21.4 64.3

148 64.8 32.2 96.6

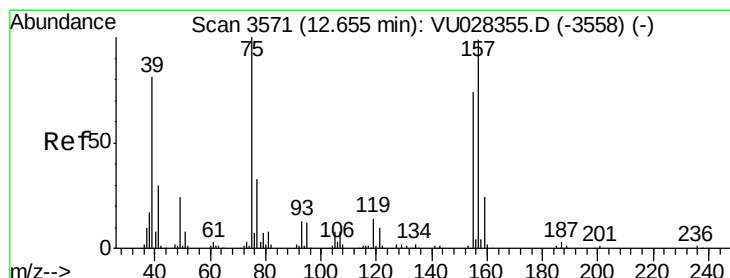
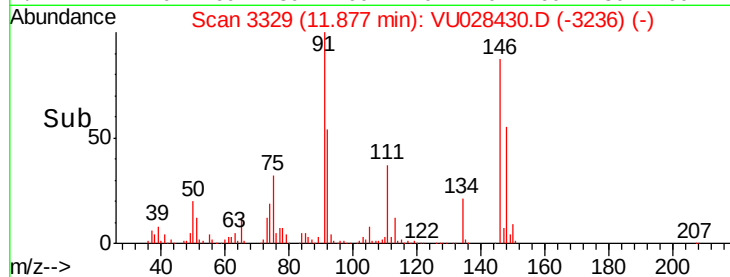
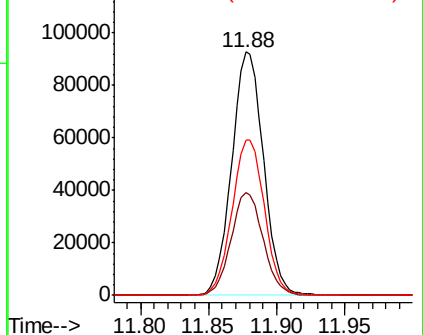


Abundance

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: 18.055 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

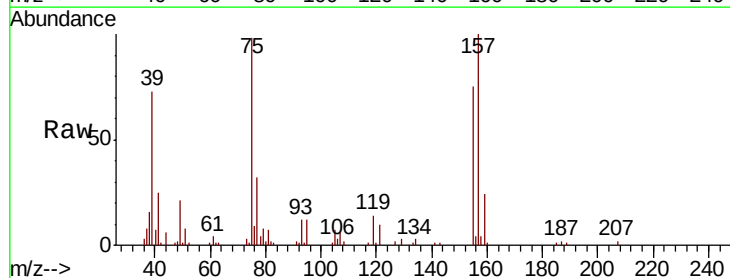
Tgt Ion: 75 Resp: 31376

Ion Ratio Lower Upper

75 100

155 71.8 36.9 110.7

157 97.5 47.5 142.5

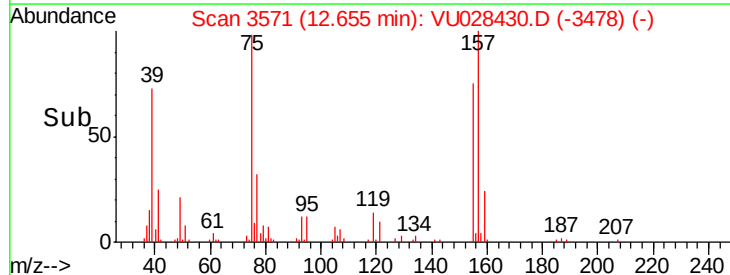
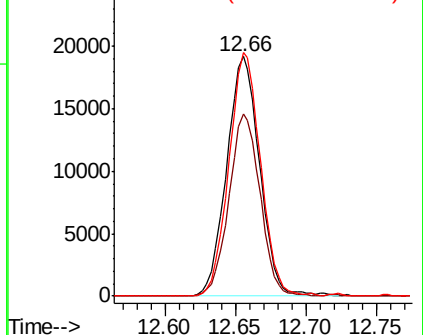


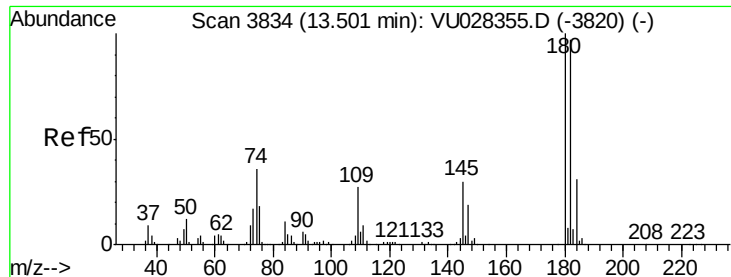
Abundance

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: 19.010 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

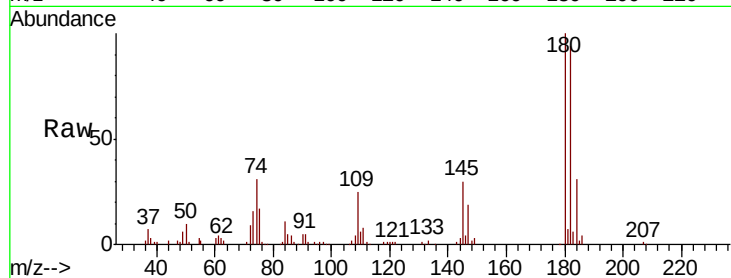
Tot Ion:180 Resp: 101363

Ion Ratio Lower Upper

180 100

182 95.7 48.3 144.9

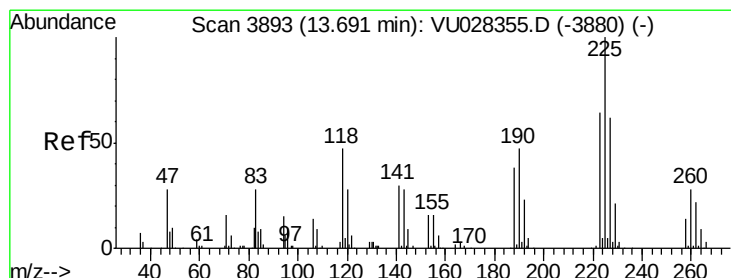
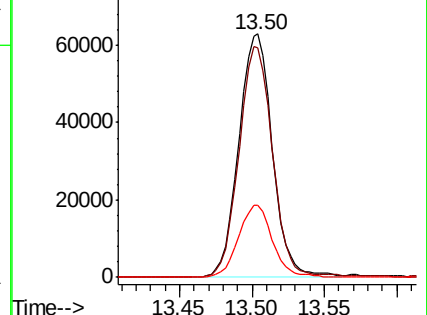
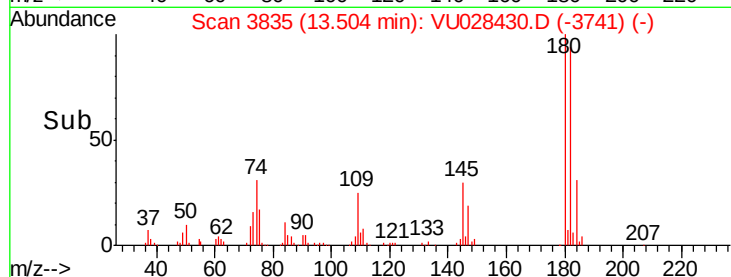
145 29.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.449 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

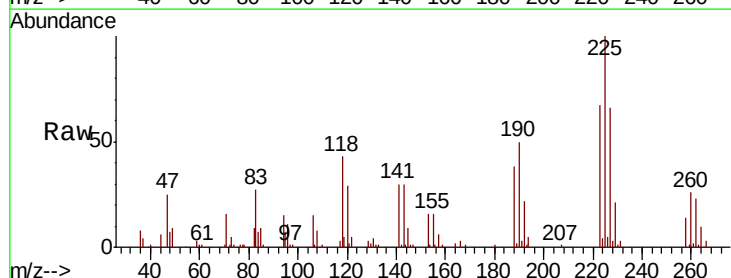
Tgt Ion:225 Resp: 46450

Ion Ratio Lower Upper

225 100

223 65.2 31.6 94.7

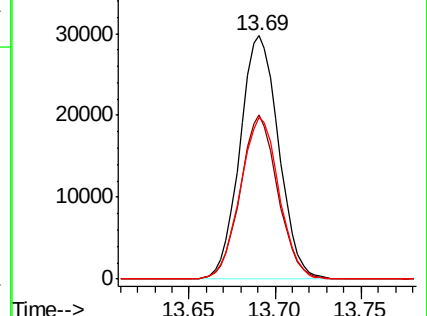
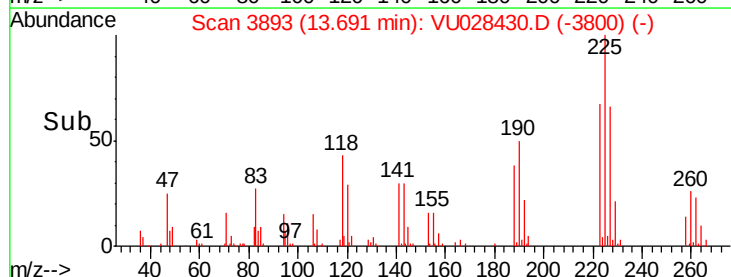
227 66.3 30.8 92.4

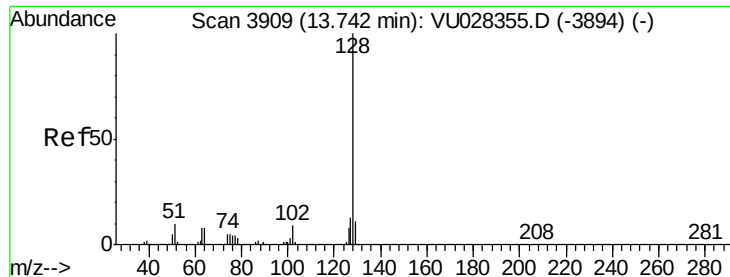


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

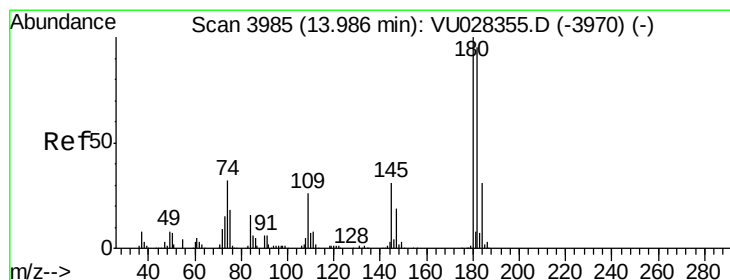
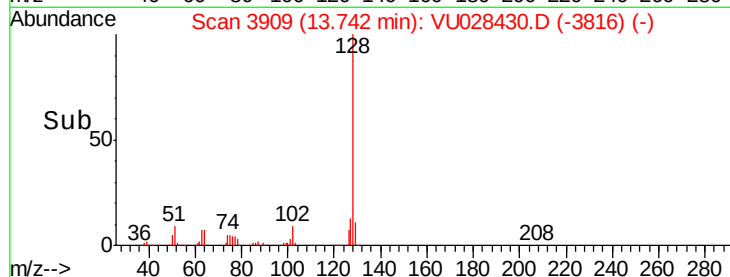
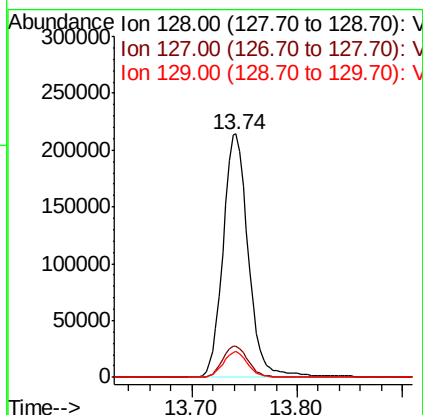
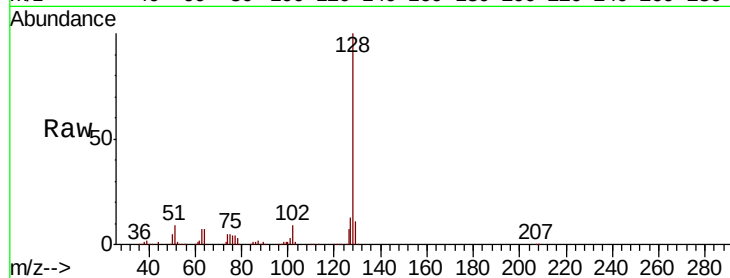




#95
Naphthalene
Concen: 19.121 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion:128 Resp: 354941
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.666 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion:180 Resp: 106056
Ion Ratio Lower Upper
180 100
182 93.7 47.7 143.1
145 30.7 15.7 47.1

