

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034031.D
 Acq On : 28 Aug 2019 18:28
 Operator : JC/SP
 Sample : VN0829WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Quant Time: Aug 29 04:17:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	422787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	690827	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	650694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	347208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	272730	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	4.86	113	228121	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	7.55	98	884900	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	325170	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	88222	20.748	ug/l 98
3) Chloromethane	1.32	50	105864	17.274	ug/l 99
4) Vinyl Chloride	1.40	62	111709	19.739	ug/l 96
5) Bromomethane	1.62	94	26329	4.363	ug/l 94
6) Chloroethane	1.69	64	68240	19.724	ug/l 99
7) Trichlorofluoromethane	1.88	101	129998	19.825	ug/l 98
8) Diethyl Ether	2.09	74	57374	20.453	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	82602	19.884	ug/l 99
10) Methyl Iodide	2.40	142	22086	3.748	ug/l 98
11) Tert butyl alcohol	2.81	59	108697	87.009	ug/l 98
12) 1,1-Dichloroethene	2.27	96	85391	20.175	ug/l 98
13) Acrolein	2.18	56	41644	79.241	ug/l 94
14) Allyl chloride	2.58	41	138521	17.407	ug/l 93
15) Acrylonitrile	2.92	53	286864	100.068	ug/l 100
16) Acetone	2.31	43	243655	88.148	ug/l 99
17) Carbon Disulfide	2.47	76	266719	19.911	ug/l 100
18) Methyl Acetate	2.60	43	134817	18.874	ug/l 99
19) Methyl tert-butyl Ether	2.98	73	286875	20.686	ug/l 100
20) Methylene Chloride	2.68	84	103237	19.729	ug/l 98
21) trans-1,2-Dichloroethene	2.97	96	92216	20.075	ug/l 98
22) Diisopropyl ether	3.55	45	304571	20.887	ug/l 96
23) Vinyl Acetate	3.50	43	1276734	101.923	ug/l 99
24) 1,1-Dichloroethane	3.43	63	177071	20.568	ug/l 99
25) 2-Butanone	4.24	43	375348	97.602	ug/l 99
26) 2,2-Dichloropropane	4.20	77	131650	18.793	ug/l 99
27) cis-1,2-Dichloroethene	4.20	96	103445	20.064	ug/l 99
28) Bromochloromethane	4.52	49	83349	19.651	ug/l 97
29) Tetrahydrofuran	4.61	42	243708	102.760	ug/l 99
30) Chloroform	4.65	83	167240	19.470	ug/l 97
31) Cyclohexane	4.97	56	160461	19.836	ug/l 95
32) 1,1,1-Trichloroethane	4.89	97	141617	20.131	ug/l 98
36) 1,1-Dichloropropene	5.12	75	126541	19.366	ug/l 98
37) Ethyl Acetate	4.36	43	138365	18.909	ug/l 99
38) Carbon Tetrachloride	5.11	117	121916	19.329	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	145809	18.932	ug/l	96
40) Benzene	5.37	78	387601	19.606	ug/l	100
41) Methacrylonitrile	4.52	41	74617	19.883	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133290	19.524	ug/l	99
43) Isopropyl Acetate	5.53	43	212056	19.049	ug/l	99
44) Trichloroethene	6.17	130	102800	19.801	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106335	19.539	ug/l	99
46) Dibromomethane	6.54	93	66606	18.997	ug/l	98
47) Bromodichloromethane	6.74	83	131145	19.118	ug/l	100
48) Methyl methacrylate	6.60	41	99912	18.599	ug/l	97
49) 1,4-Dioxane	6.59	88	44813	332.948	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	717070	93.272	ug/l	100
52) Toluene	7.62	92	239976	19.705	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	138412	18.184	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	155735	18.728	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94446	18.334	ug/l	98
56) Ethyl methacrylate	8.00	69	142012	17.268	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167381	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	275684	96.733	ug/l	100
59) 2-Hexanone	8.34	43	531295	91.544	ug/l	100
60) Dibromochloromethane	8.46	129	101716	18.394	ug/l	99
61) 1,2-Dibromoethane	8.57	107	101212	18.651	ug/l	99
64) Tetrachloroethene	8.21	164	89194	20.411	ug/l	98
65) Chlorobenzene	9.10	112	261280	19.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91237	18.790	ug/l	99
67) Ethyl Benzene	9.23	91	446150	19.655	ug/l	100
68) m/p-Xylenes	9.36	106	344666	39.933	ug/l	100
69) o-Xylene	9.76	106	161792	19.539	ug/l	97
70) Styrene	9.77	104	283217	19.948	ug/l	100
71) Bromoform	9.94	173	74959	17.768	ug/l #	98
73) Isopropylbenzene	10.15	105	441025	18.910	ug/l	100
74) N-amyl acetate	10.00	43	182466	18.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	164027	18.376	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	157917	20.180	ug/l	86
77) Bromobenzene	10.43	156	114473	18.247	ug/l	97
78) n-propylbenzene	10.57	91	521142	19.188	ug/l	99
79) 2-Chlorotoluene	10.64	91	314259	19.290	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	390502	19.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.48	75	158215	68.079	ug/l #	100
82) 4-Chlorotoluene	10.76	91	357816	19.098	ug/l	100
83) tert-Butylbenzene	11.08	119	358856	18.442	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	383636	19.545	ug/l	99
85) sec-Butylbenzene	11.31	105	443741	19.026	ug/l	100
86) p-Isopropyltoluene	11.46	119	411467	19.507	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	210829	18.982	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	212969	18.960	ug/l	99
89) n-Butylbenzene	11.87	91	364737	19.613	ug/l	100
90) Hexachloroethane	12.13	117	55645	15.258	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	203096	19.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31015	17.441	ug/l	100

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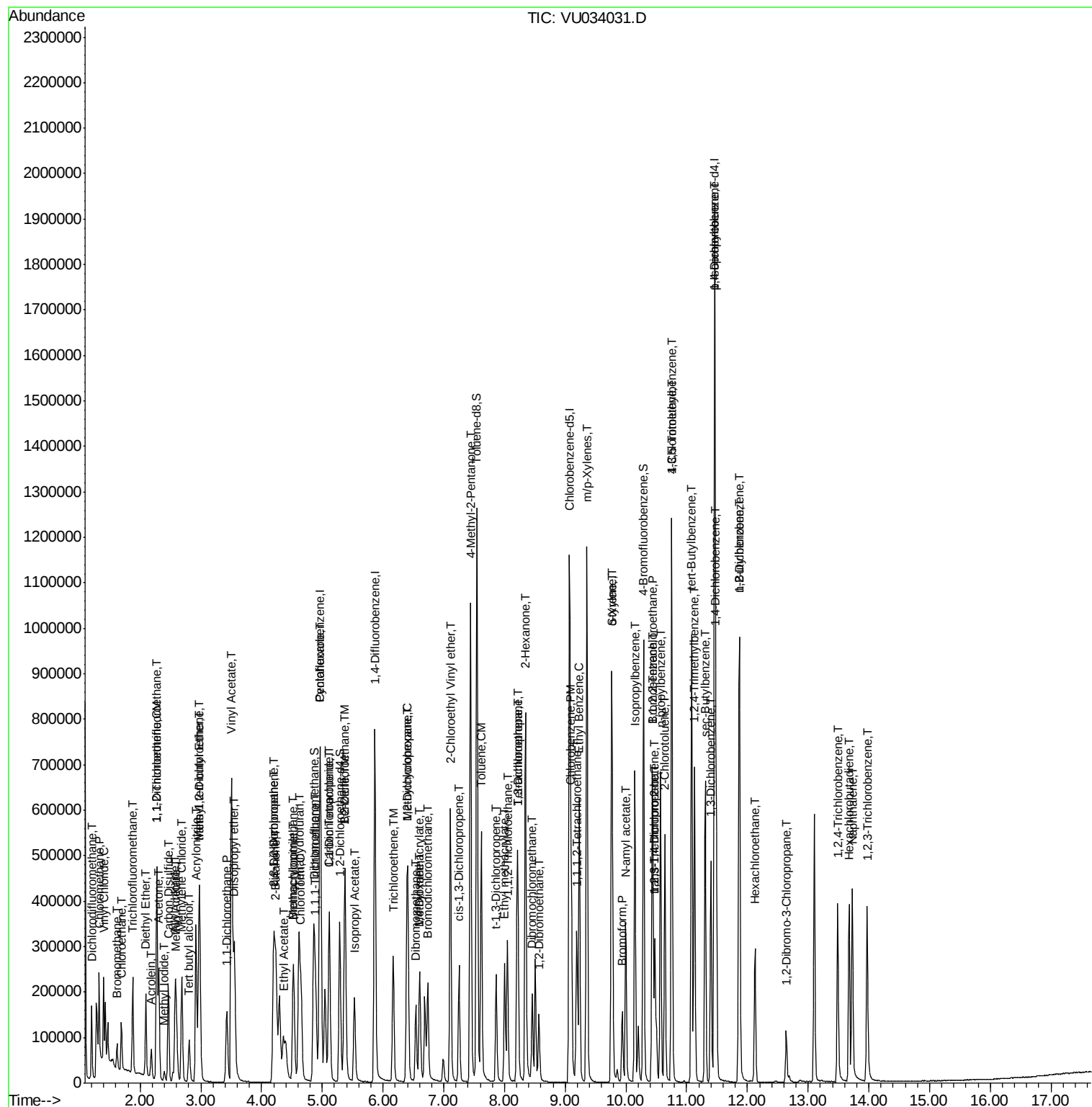
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	137041	18.819	ug/l	98
94) Hexachlorobutadiene	13.67	225	76981	18.496	ug/l	99
95) Naphthalene	13.73	128	376893	18.558	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	138313	20.294	ug/l	99

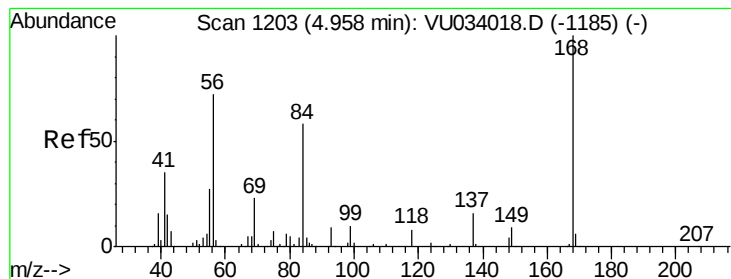
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
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 Sample : VN0829WBSD01
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

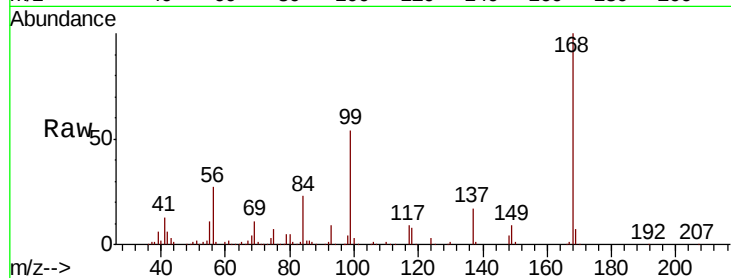
VU0829WBSD01

Tgt Ion:168 Resp: 422787

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034031.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034031.D (-1185) (-)

4.96

200000

150000

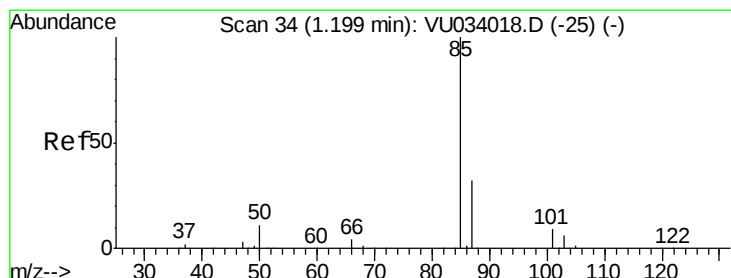
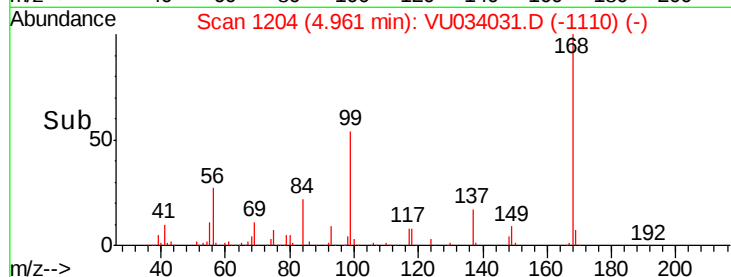
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.748 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034031.D

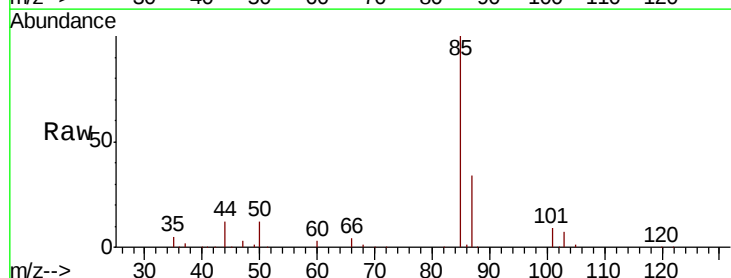
Acq: 28 Aug 2019 18:28

Tgt Ion: 85 Resp: 88222

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034031.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034031.D (-1) (-)

1.20

100000

80000

60000

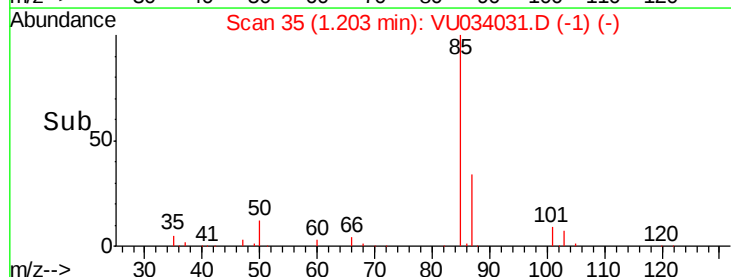
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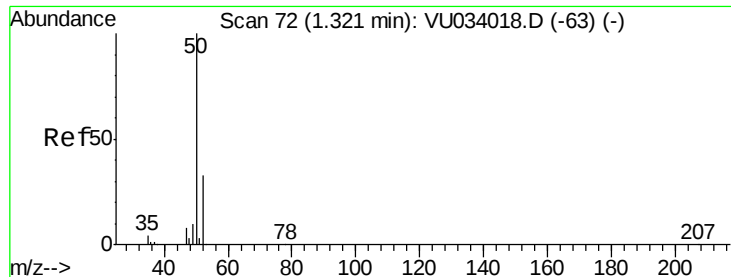
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.274 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

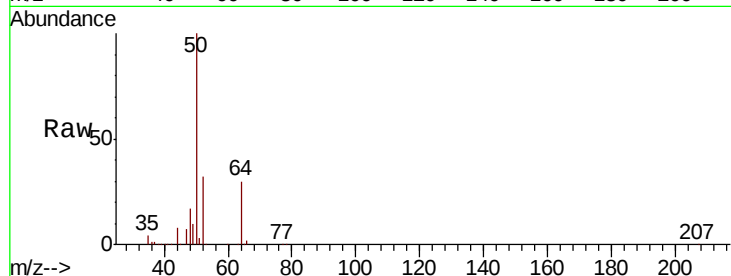
VU0829WBSD01

Tgt Ion: 50 Resp: 105864

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034031.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034031.D (-1) (-)

1.32

120000

100000

80000

60000

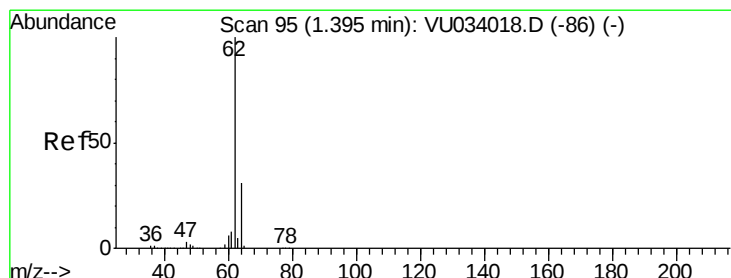
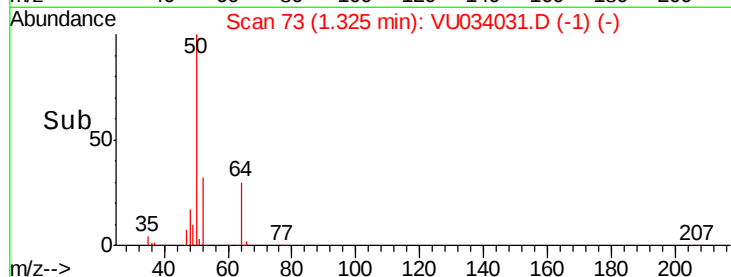
40000

20000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 19.739 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034031.D

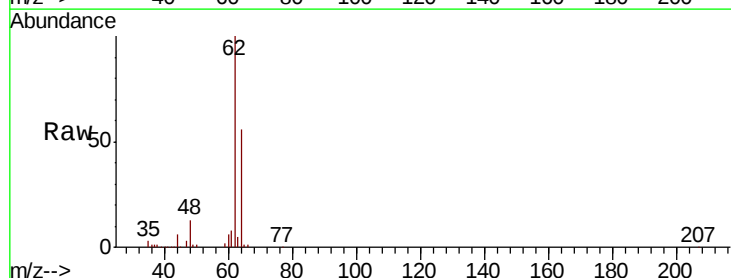
Acq: 28 Aug 2019 18:28

Tgt Ion: 62 Resp: 111709

Ion Ratio Lower Upper

62 100

64 29.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034031.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034031.D (-2) (-)

1.40

120000

100000

80000

60000

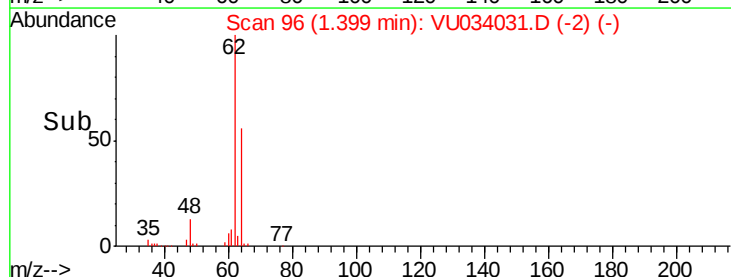
40000

20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 4.363 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

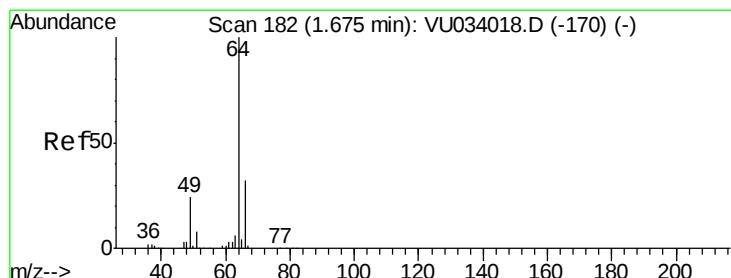
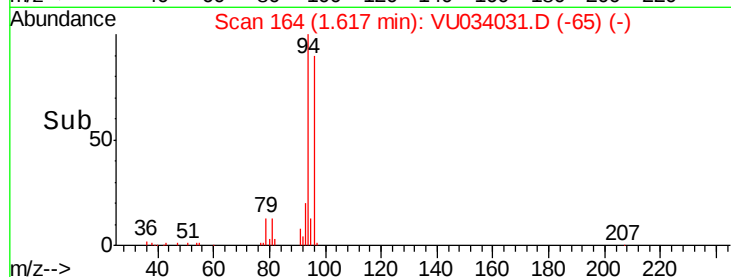
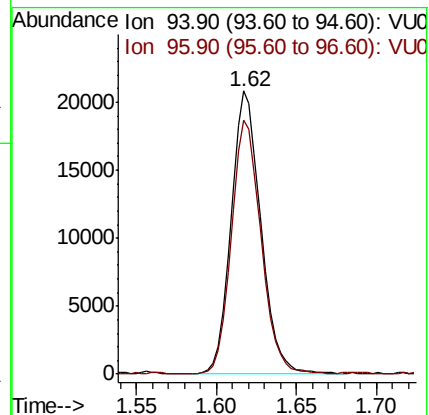
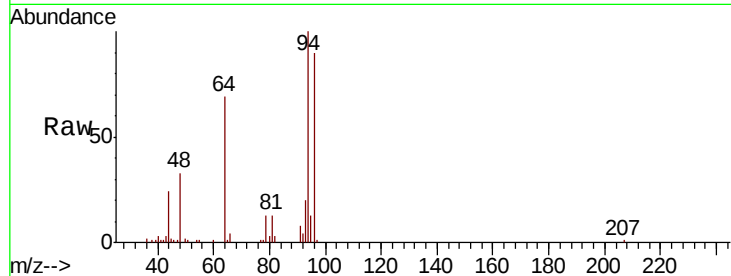
VU0829WBSD01

Tgt Ion: 94 Resp: 26329

Ion Ratio Lower Upper

94 100

96 89.7 76.3 114.5



#6

Chloroethane

Concen: 19.724 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034031.D

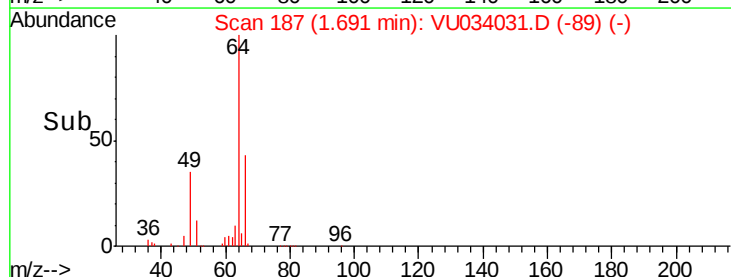
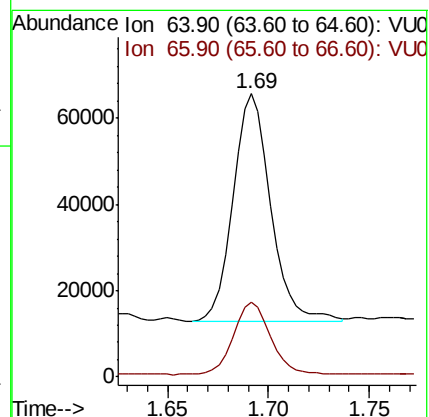
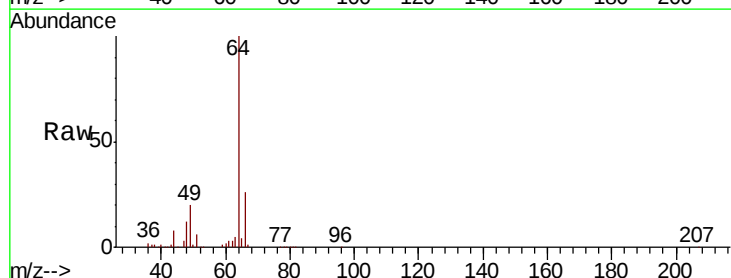
Acq: 28 Aug 2019 18:28

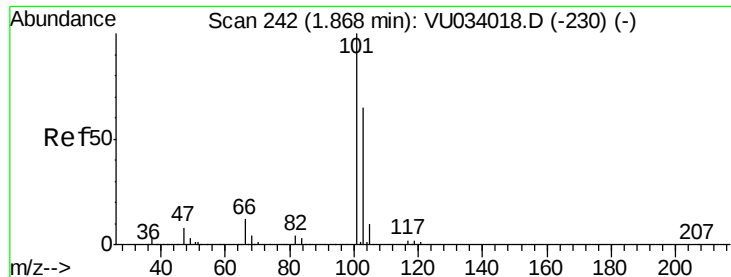
Tgt Ion: 64 Resp: 68240

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



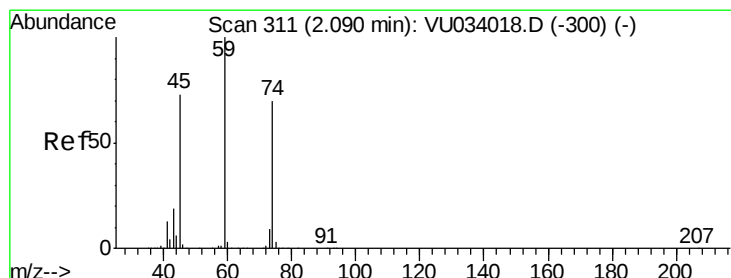
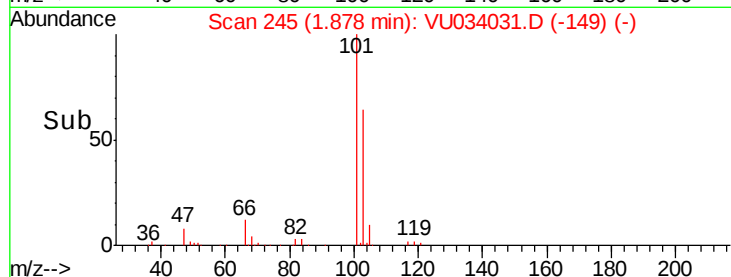
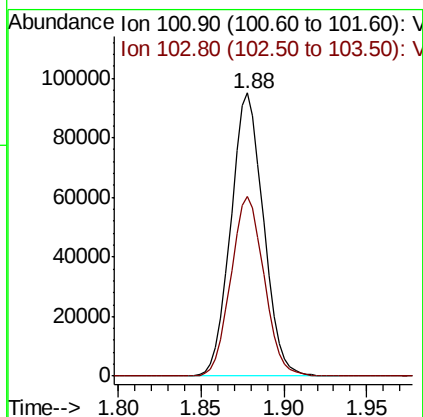
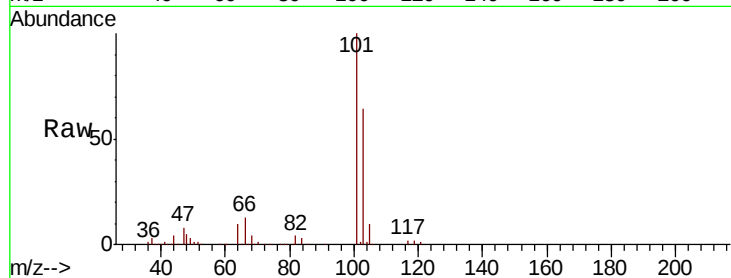


#7

Trichlorofluoromethane
 Concen: 19.825 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

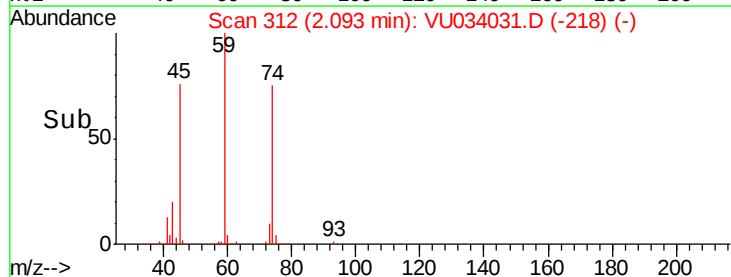
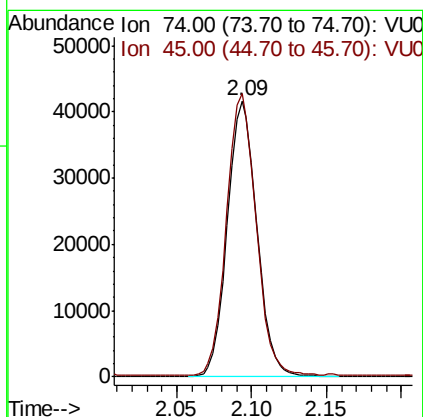
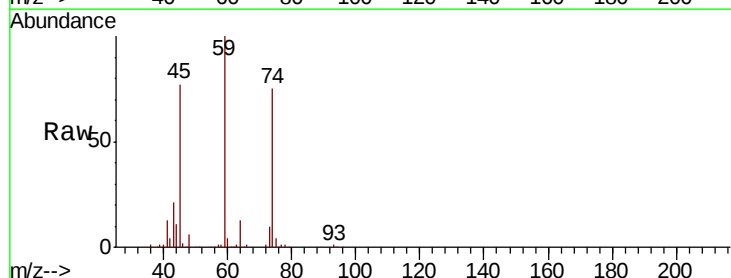
Tgt Ion:101 Resp: 129998
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.1 78.1

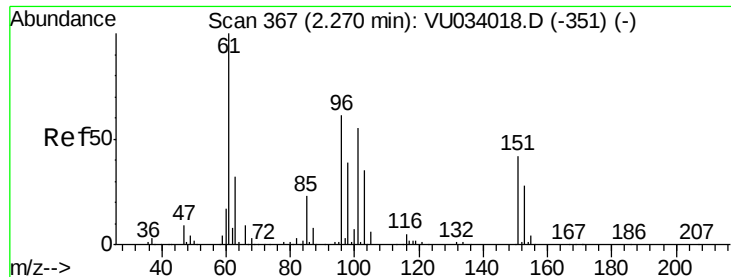


#8

Diethyl Ether
 Concen: 20.453 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion: 74 Resp: 57374
 Ion Ratio Lower Upper
 74 100
 45 102.2 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.884 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

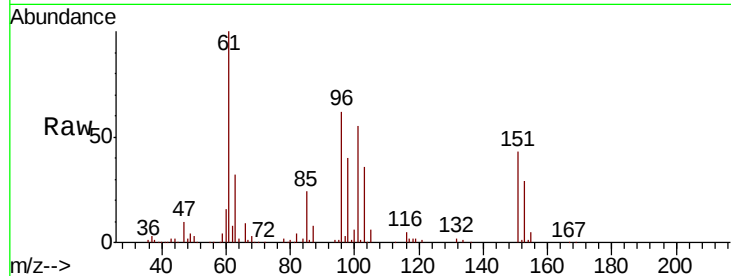
Tgt Ion:101 Resp: 82602

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

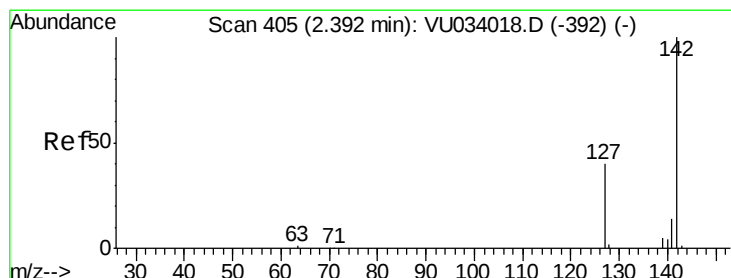
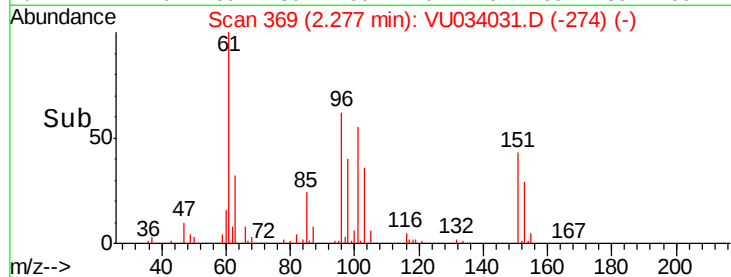
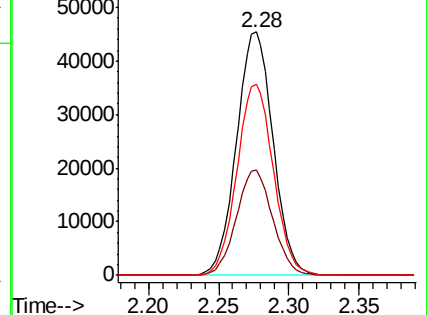
151 78.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.748 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

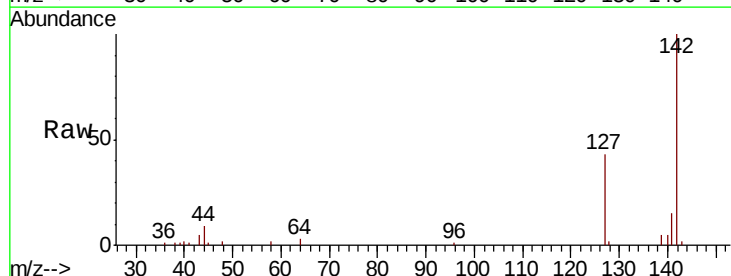
Tgt Ion:142 Resp: 22086

Ion Ratio Lower Upper

142 100

127 42.4 32.6 48.8

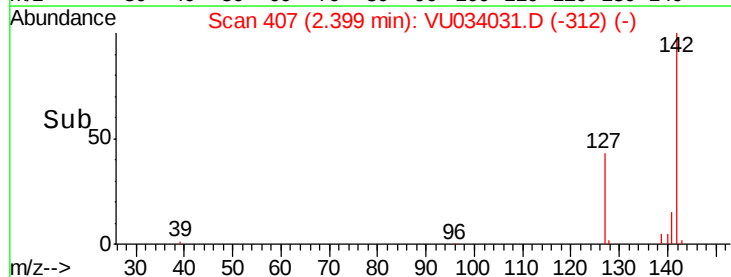
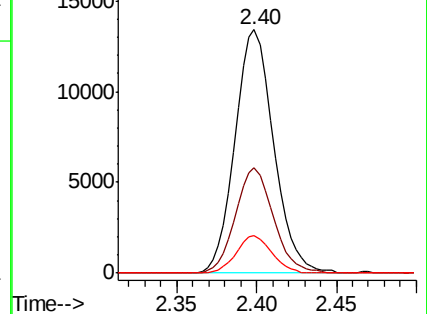
141 14.0 11.3 16.9

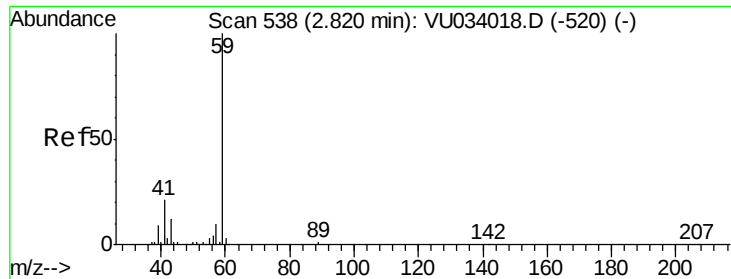


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

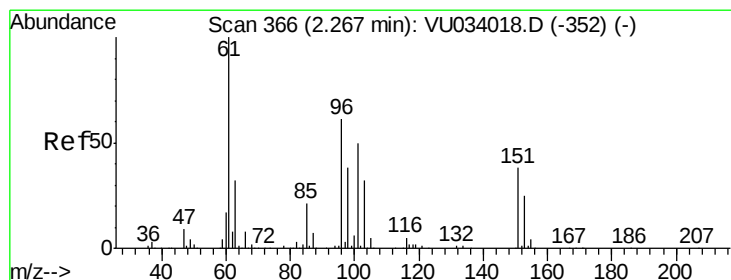
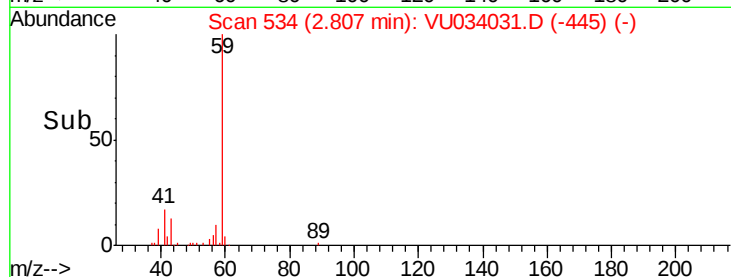
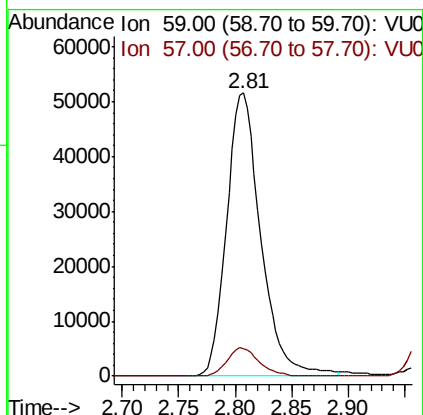
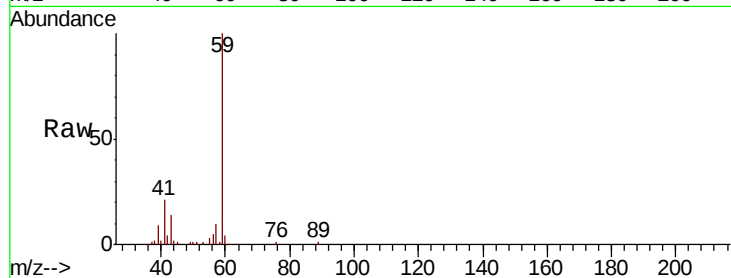




#11
Tert butyl alcohol
Concen: 87.009 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

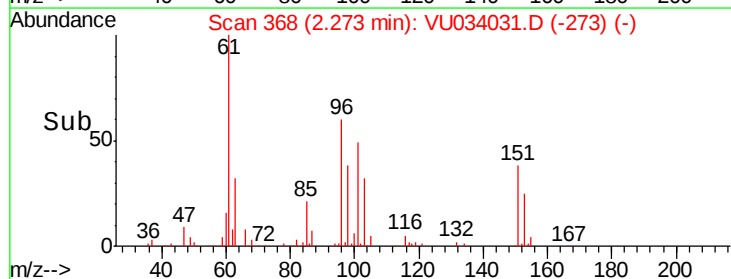
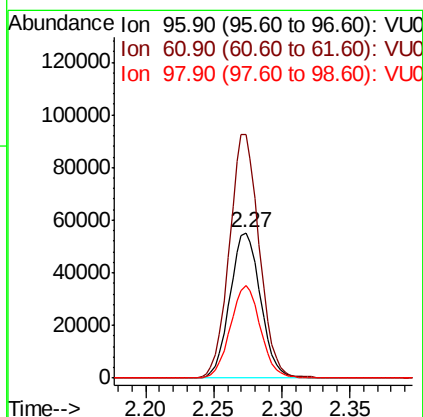
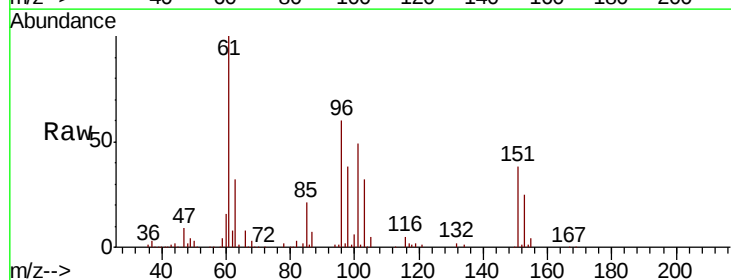
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

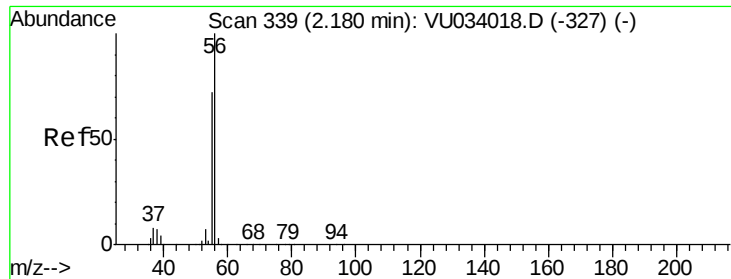
Tgt Ion: 59 Resp: 108697
Ion Ratio Lower Upper
59 100
57 9.4 8.0 12.0



#12
1,1-Dichloroethene
Concen: 20.175 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 96 Resp: 85391
Ion Ratio Lower Upper
96 100
61 167.5 131.3 196.9
98 63.7 50.3 75.5





#13

Acrolein

Concen: 79.241 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

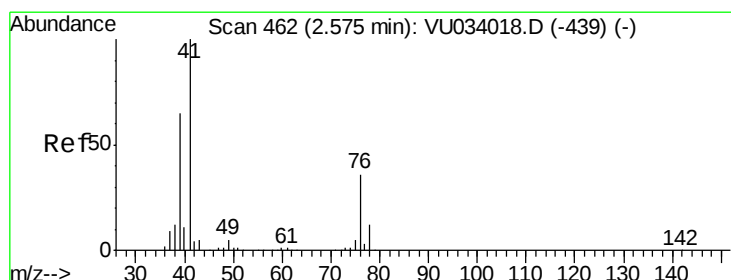
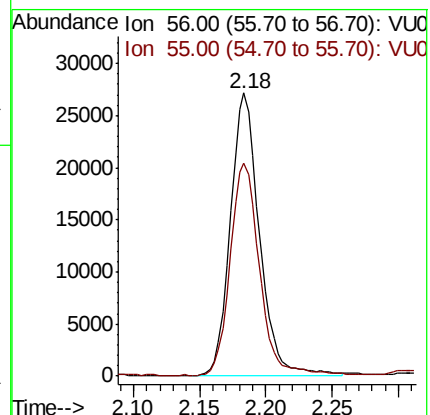
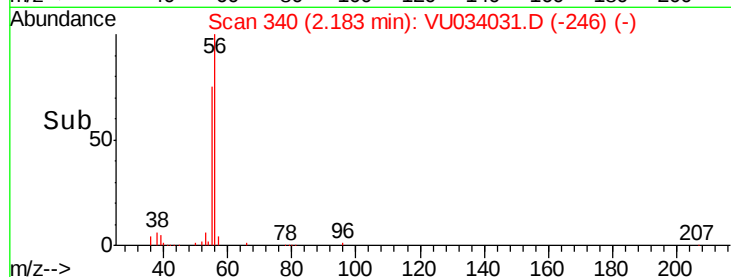
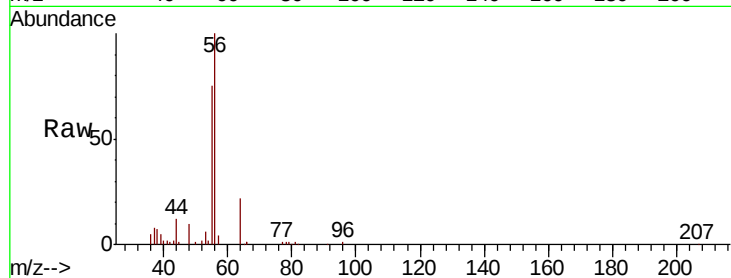
VU0829WBSD01

Tgt Ion: 56 Resp: 41644

Ion Ratio Lower Upper

56 100

55 76.6 57.1 85.7



#14

Allyl chloride

Concen: 17.407 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

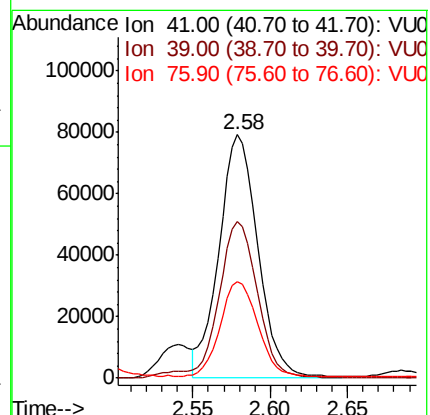
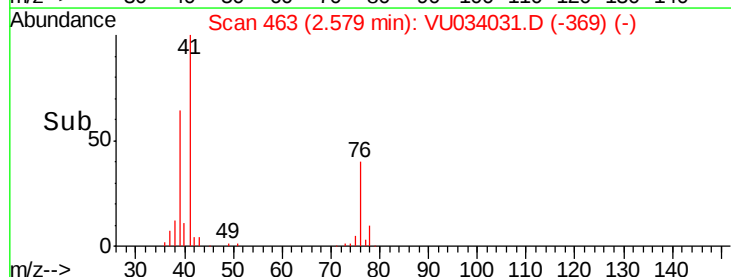
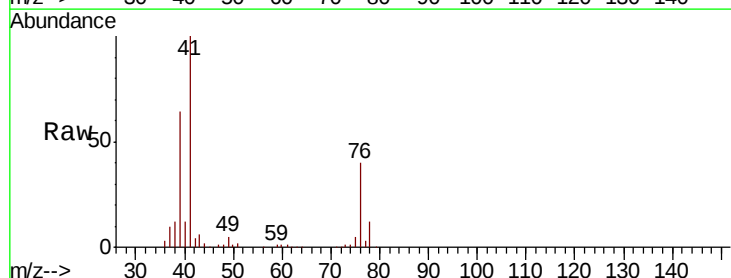
Tgt Ion: 41 Resp: 138521

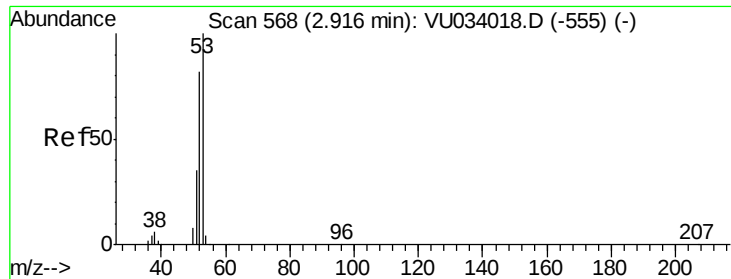
Ion Ratio Lower Upper

41 100

39 62.5 46.8 70.2

76 38.4 26.6 40.0





#15

Acrylonitrile

Concen: 100.068 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

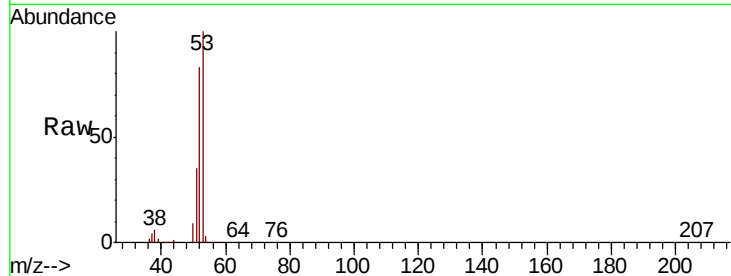
Tgt Ion: 53 Resp: 286864

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

51 35.2 27.9 41.9

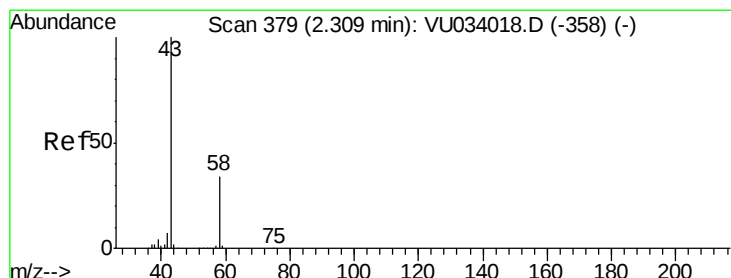
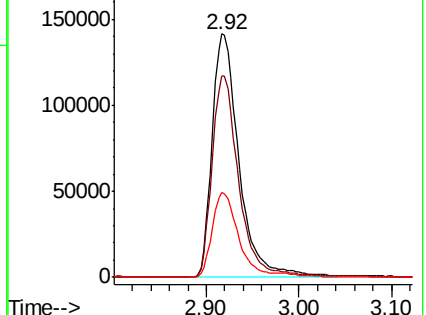
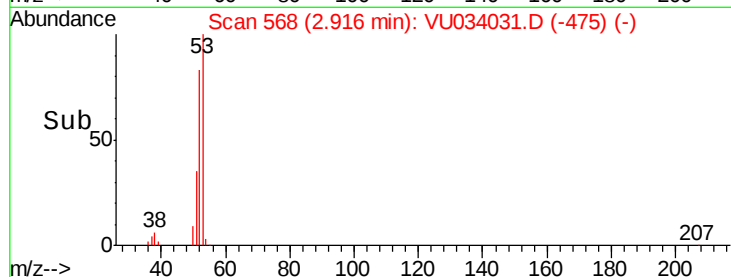


Abundance Ion 53.00 (52.70 to 53.70): VU034031.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034031.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034031.D (-555) (-)

Time-->



#16

Acetone

Concen: 88.148 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034031.D

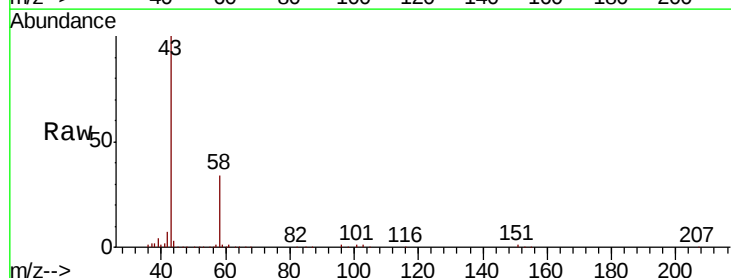
Acq: 28 Aug 2019 18:28

Tgt Ion: 43 Resp: 243655

Ion Ratio Lower Upper

43 100

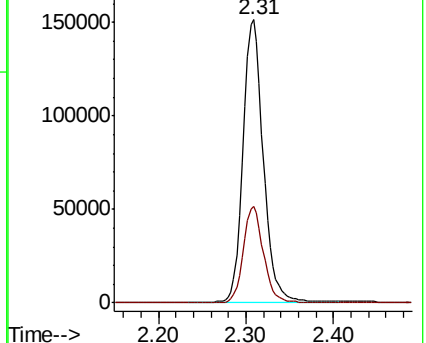
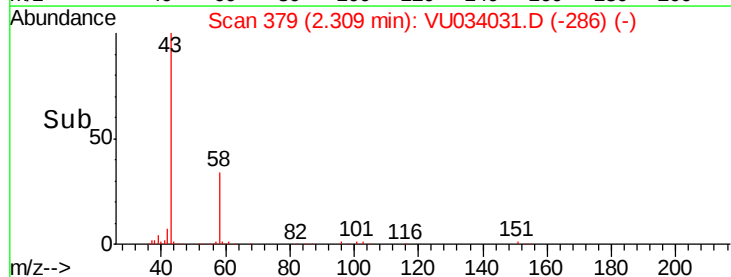
58 34.0 26.8 40.2

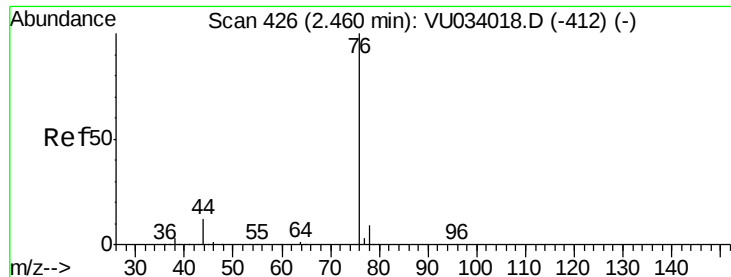


Abundance Ion 43.00 (42.70 to 43.70): VU034031.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034031.D (-286) (-)

Time-->

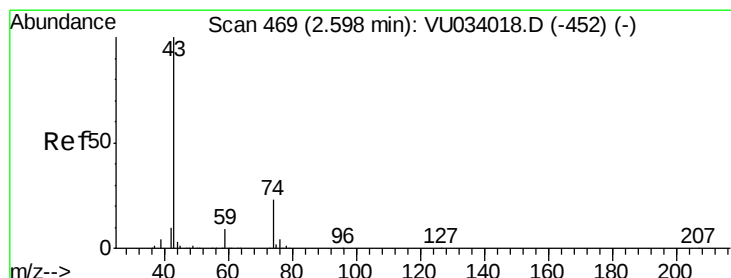
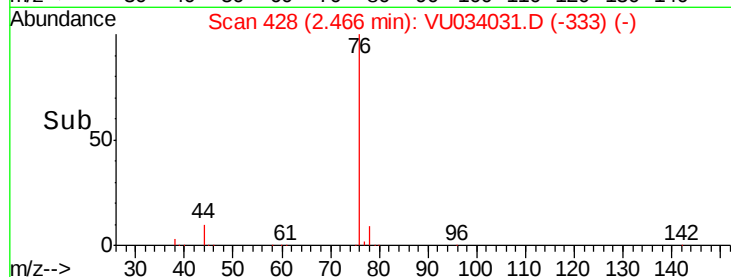
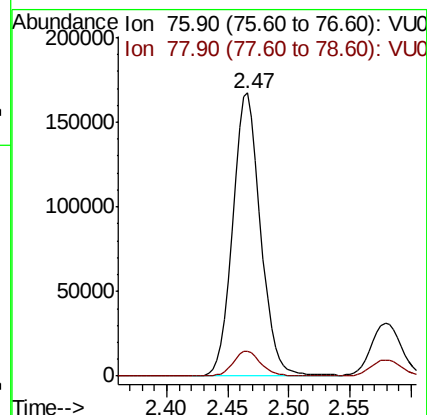
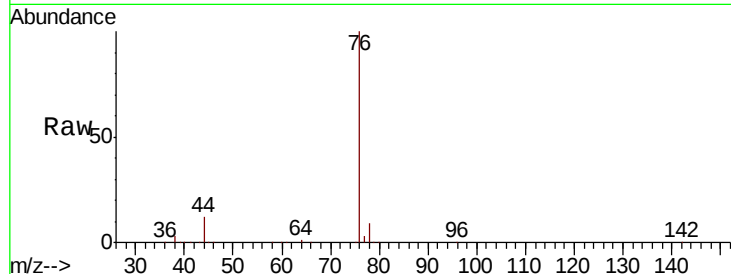




#17
Carbon Disulfide
Concen: 19.911 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

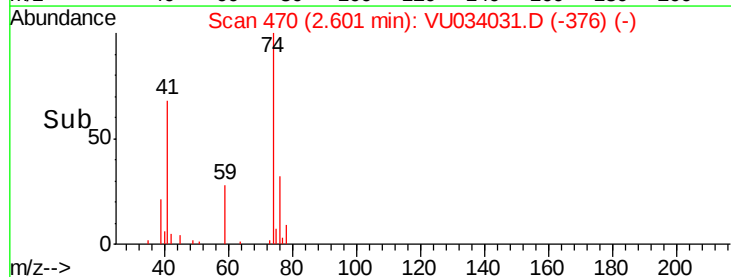
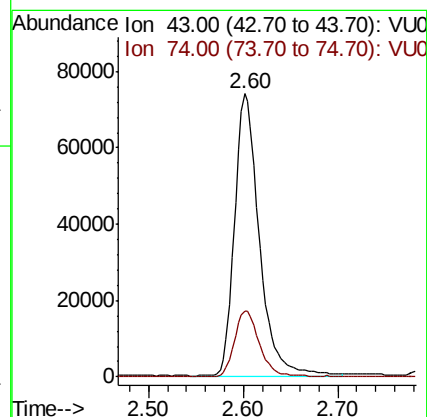
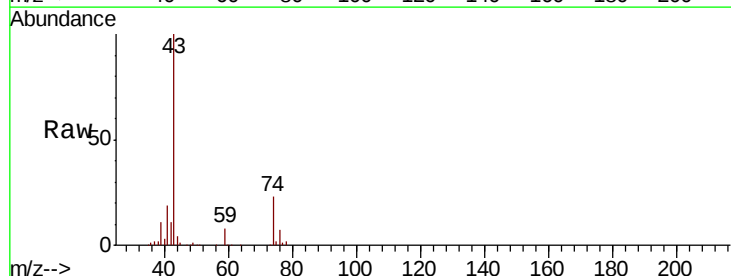
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

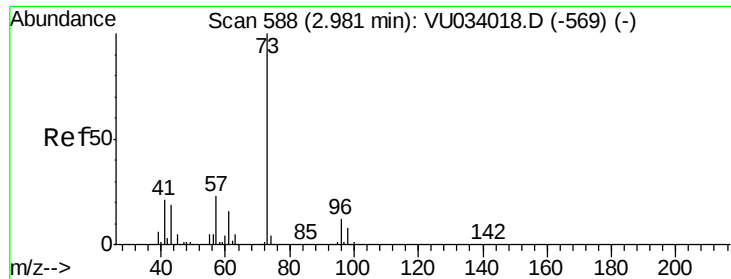
Tgt Ion: 76 Resp: 266719
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 18.874 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 43 Resp: 134817
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 20.686 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

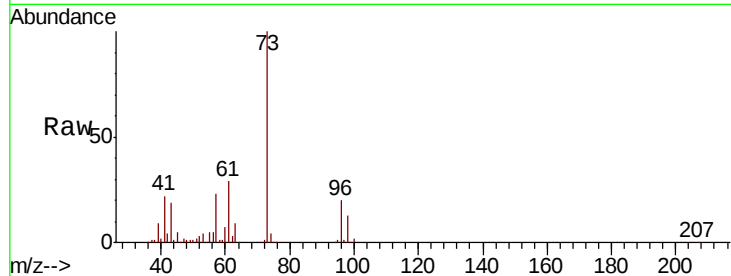
VU0829WBSD01

Tgt Ion: 73 Resp: 286875

Ion Ratio Lower Upper

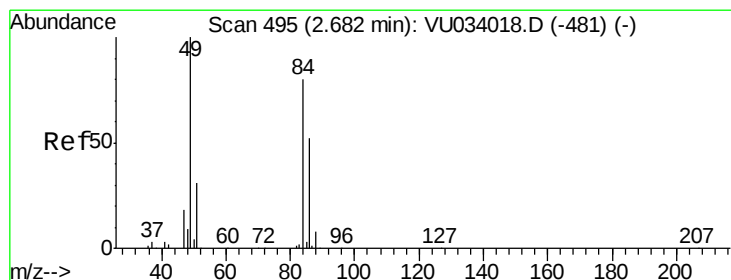
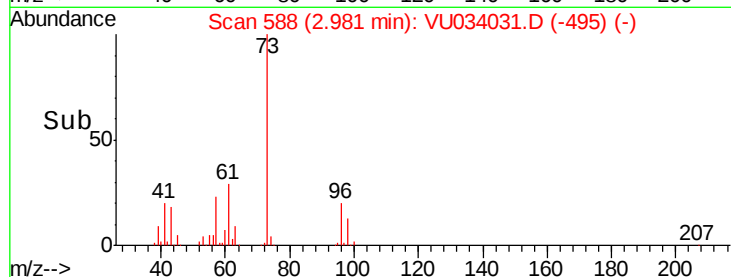
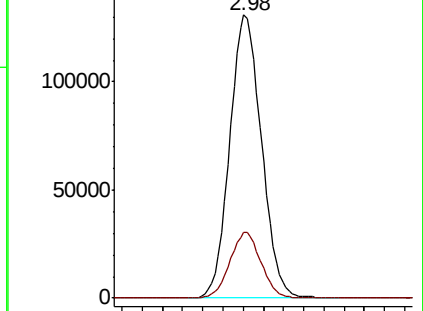
73 100

57 23.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU034031.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034031.D (-495) (-)



#20

Methylene Chloride

Concen: 19.729 ug/l

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion: 84 Resp: 103237

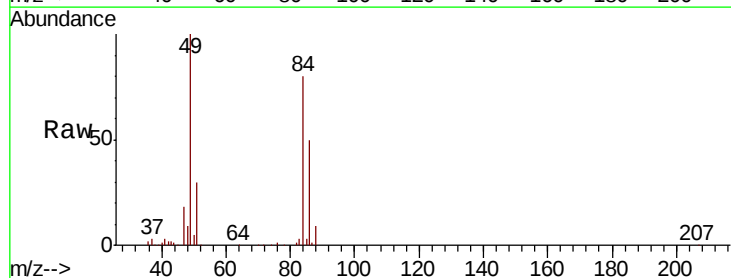
Ion Ratio Lower Upper

84 100

49 124.5 100.2 150.4

51 37.9 30.8 46.2

86 62.2 52.5 78.7

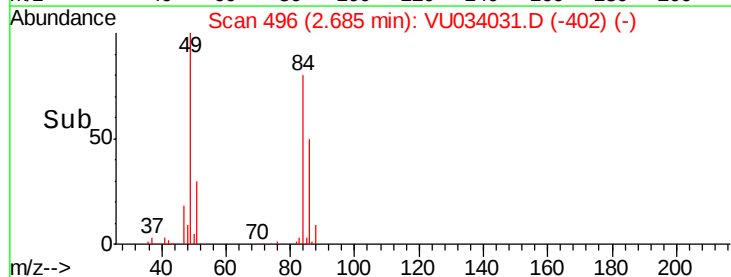
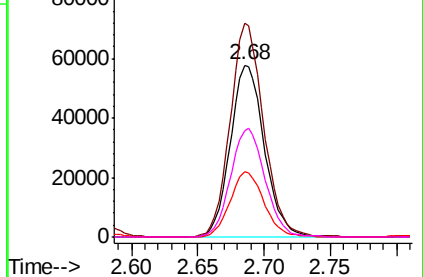


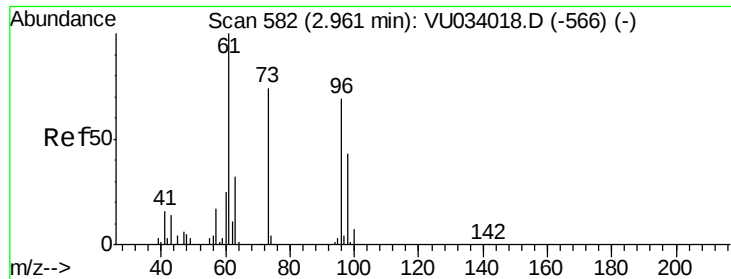
Abundance Ion 83.90 (83.60 to 84.60): VU034031.D (-402) (-)

Ion 48.90 (48.60 to 49.60): VU034031.D (-402) (-)

Ion 50.90 (50.60 to 51.60): VU034031.D (-402) (-)

Ion 85.90 (85.60 to 86.60): VU034031.D (-402) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.075 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

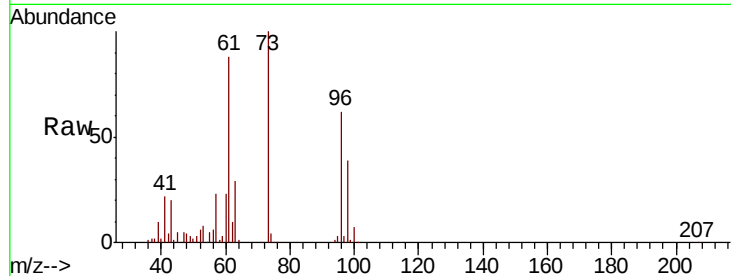
Tgt Ion: 96 Resp: 92216

Ion Ratio Lower Upper

96 100

61 141.6 115.5 173.3

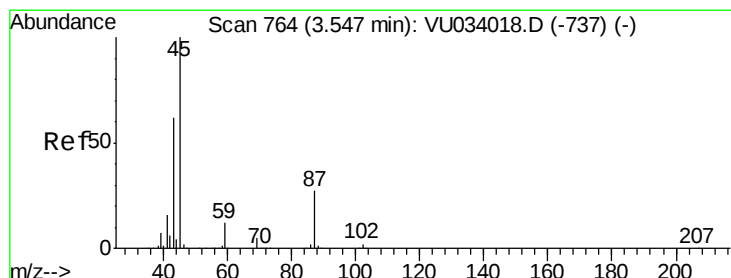
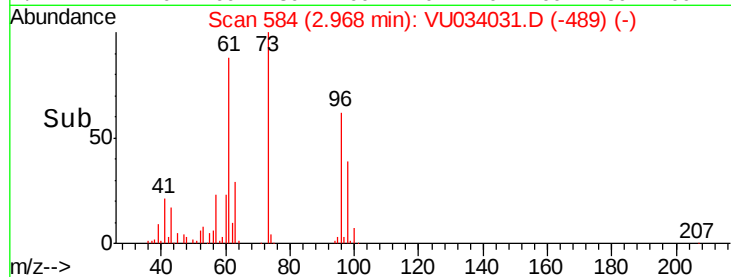
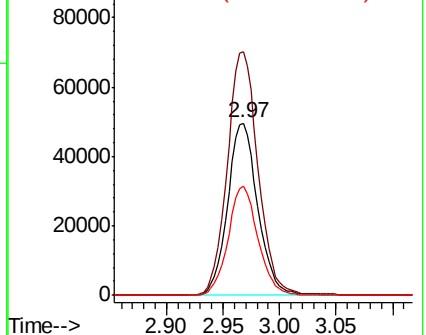
98 63.2 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034031.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034031.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034031.D (-489) (-)



#22

Diisopropyl ether

Concen: 20.887 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion: 45 Resp: 304571

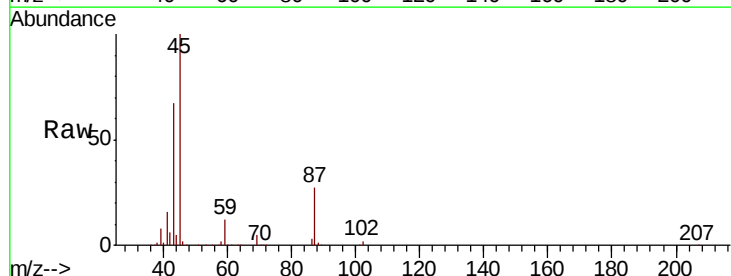
Ion Ratio Lower Upper

45 100

43 66.9 49.7 74.5

87 27.1 21.8 32.8

59 11.9 9.3 13.9

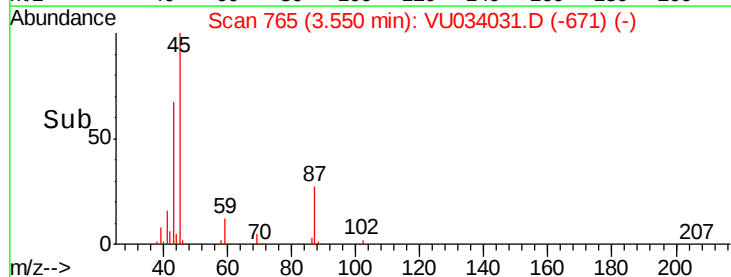
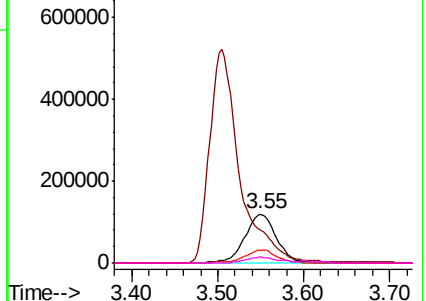


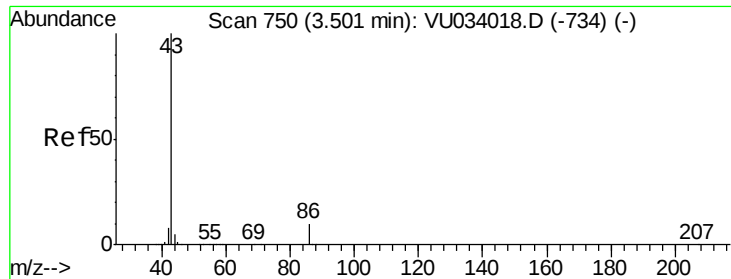
Abundance Ion 45.00 (44.70 to 45.70): VU034031.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034031.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034031.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034031.D (-671) (-)





#23

Vinyl Acetate

Concen: 101.923 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

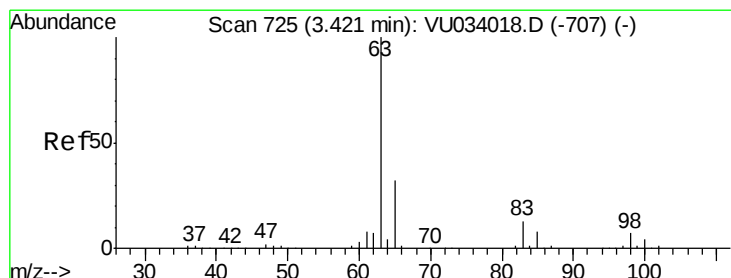
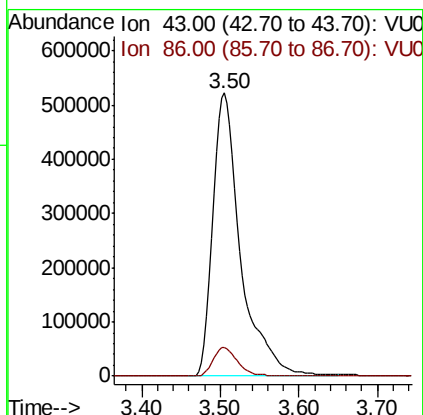
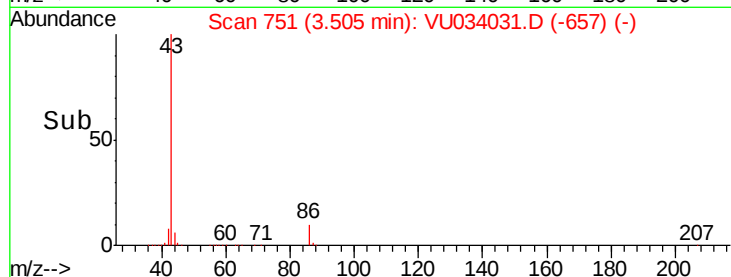
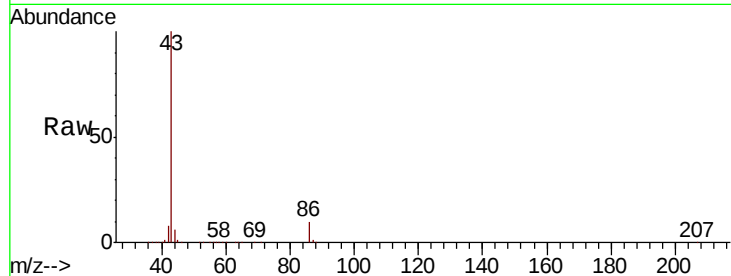
VU0829WBSD01

Tgt Ion: 43 Resp: 1276734

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.568 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

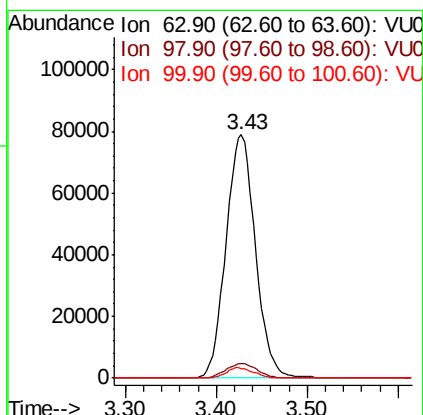
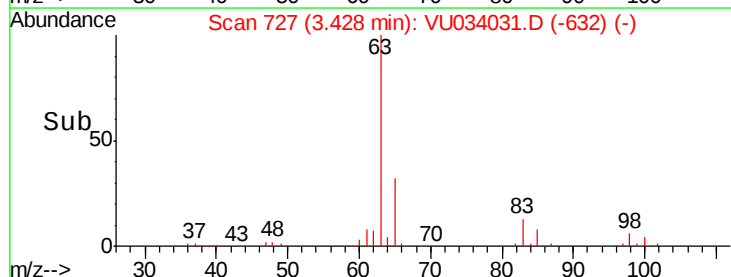
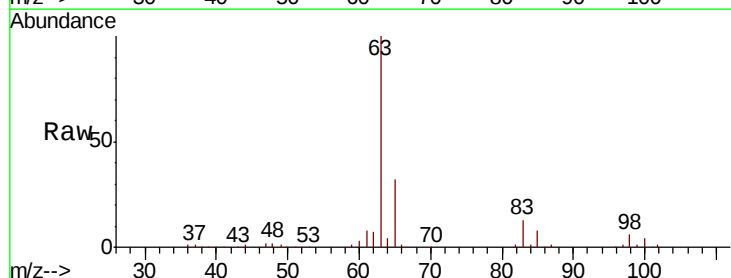
Tgt Ion: 63 Resp: 177071

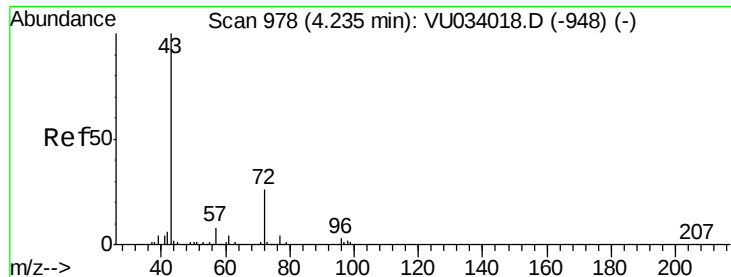
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 97.602 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

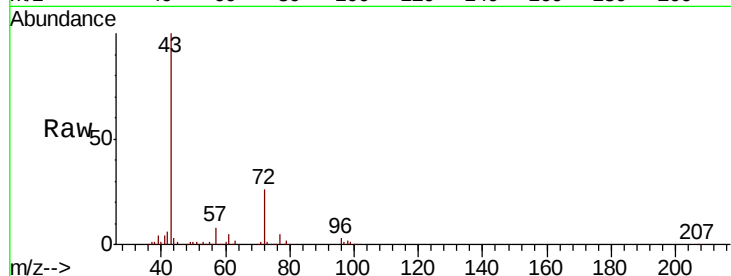
VU0829WBSD01

Tgt Ion: 43 Resp: 375348

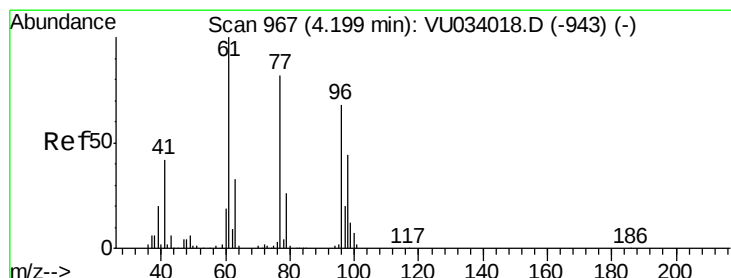
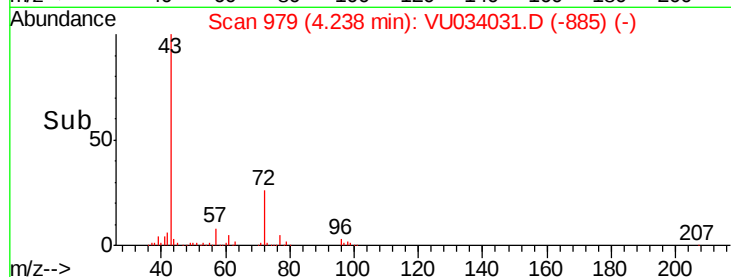
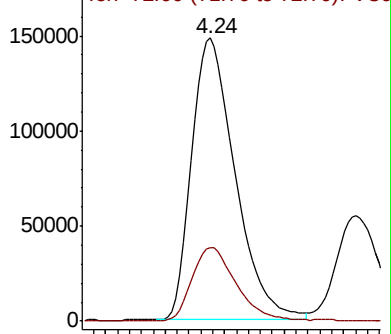
Ion Ratio Lower Upper

43 100

72 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034031.D (-885) (-)



#26

2,2-Dichloropropane

Concen: 18.793 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034031.D

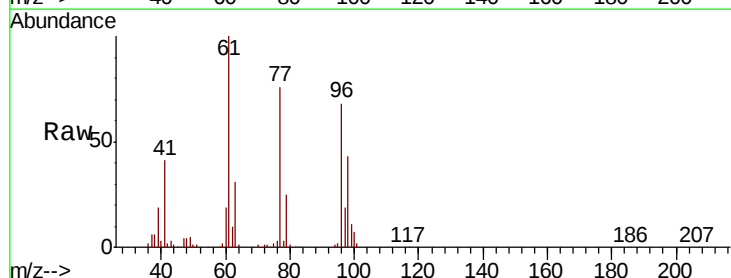
Acq: 28 Aug 2019 18:28

Tgt Ion: 77 Resp: 131650

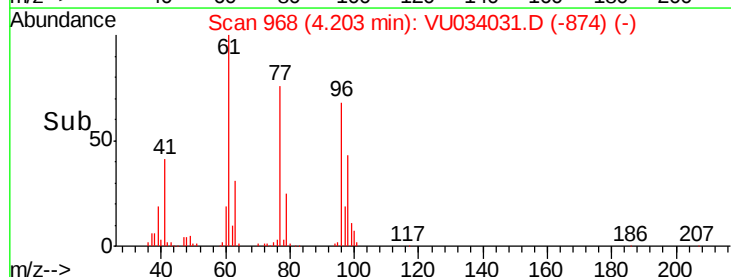
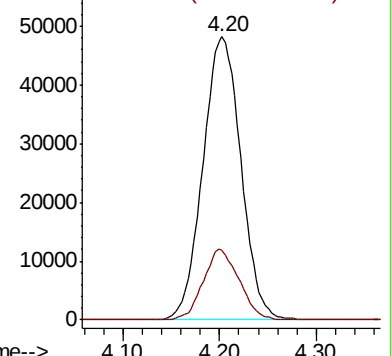
Ion Ratio Lower Upper

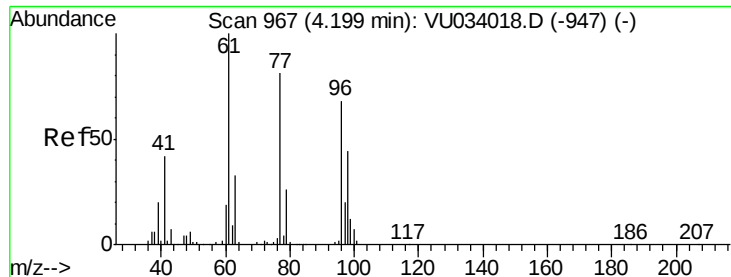
77 100

97 23.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034031.D (-874) (-)



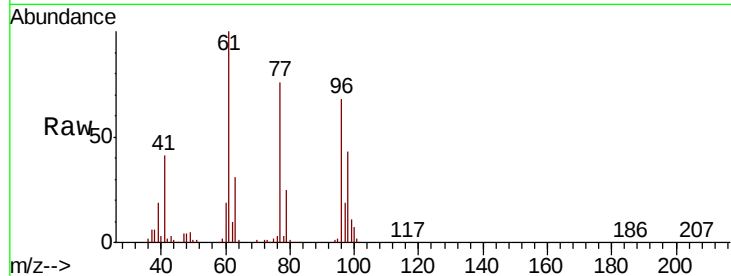


#27

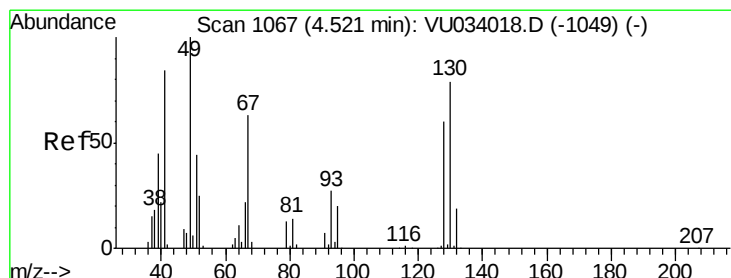
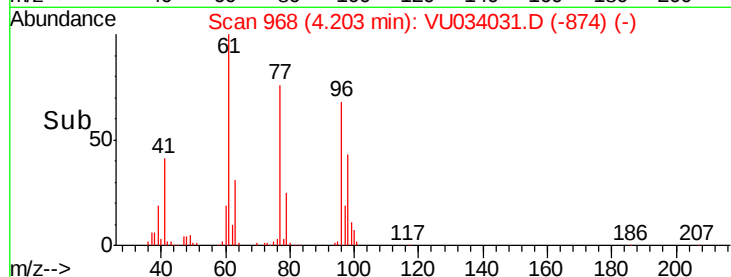
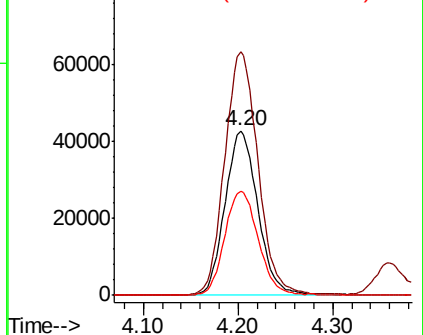
cis-1,2-Dichloroethene
 Concen: 20.064 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tgt Ion: 96 Resp: 103445
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 303.0
 98 64.4 0.0 129.2



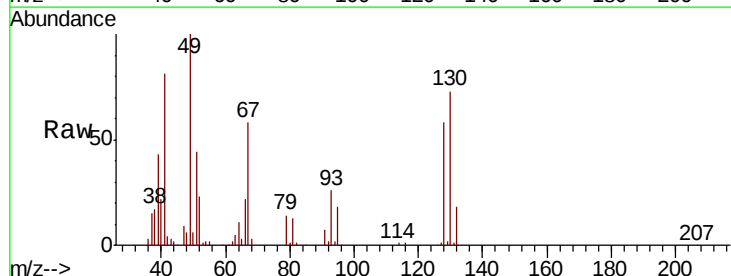
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



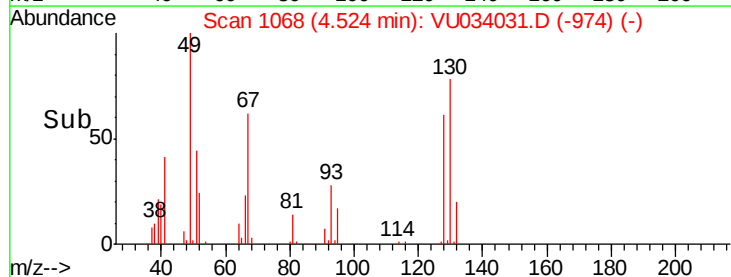
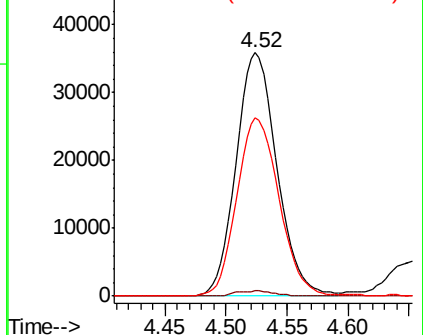
#28

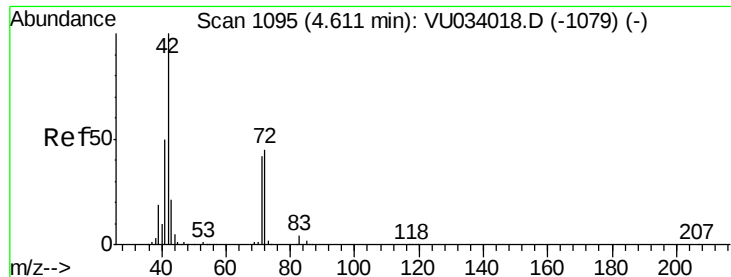
Bromochloromethane
 Concen: 19.651 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion: 49 Resp: 83349
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 75.5 62.8 94.2



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: 102.760 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

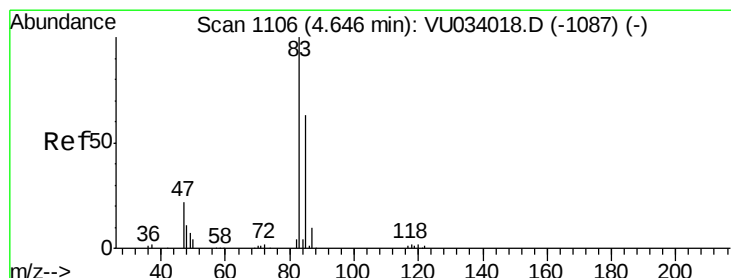
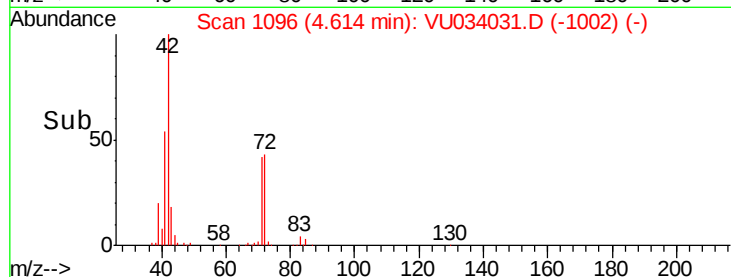
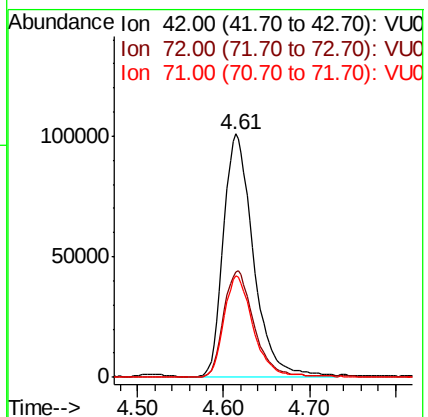
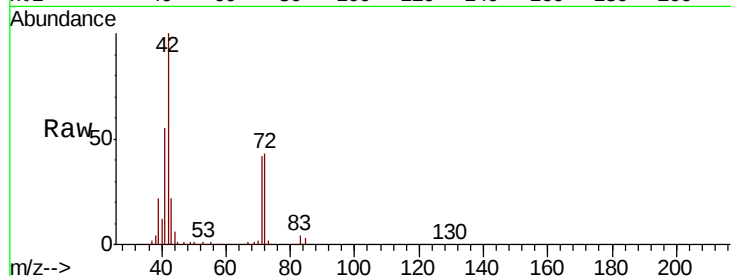
Tgt Ion: 42 Resp: 243708

Ion Ratio Lower Upper

42 100

72 45.0 35.8 53.6

71 41.1 34.0 51.0



#30

Chloroform

Concen: 19.470 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034031.D

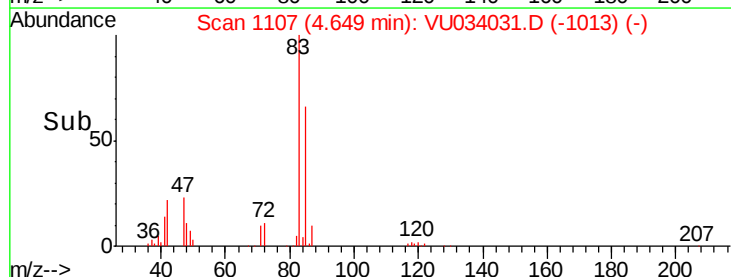
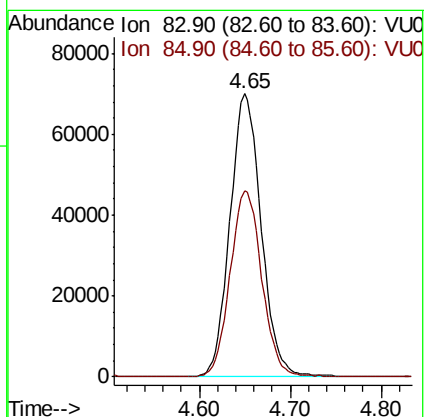
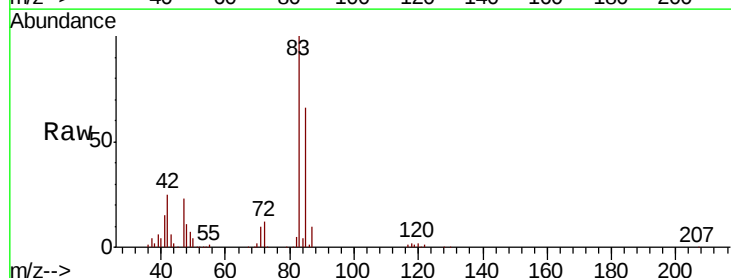
Acq: 28 Aug 2019 18:28

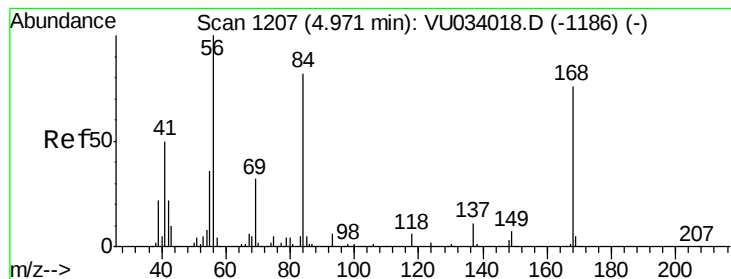
Tgt Ion: 83 Resp: 167240

Ion Ratio Lower Upper

83 100

85 65.7 50.7 76.1





#31

Cyclohexane

Concen: 19.836 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

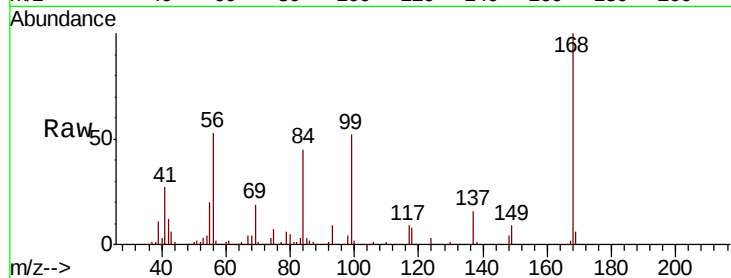
Tgt Ion: 56 Resp: 160461

Ion Ratio Lower Upper

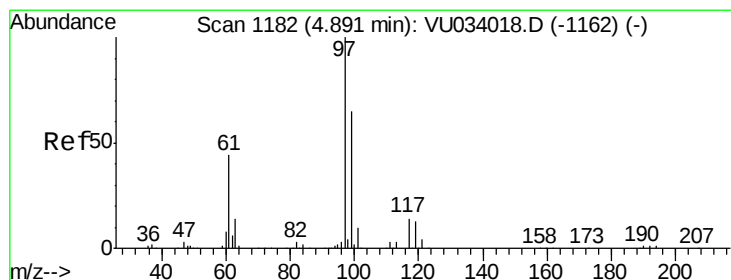
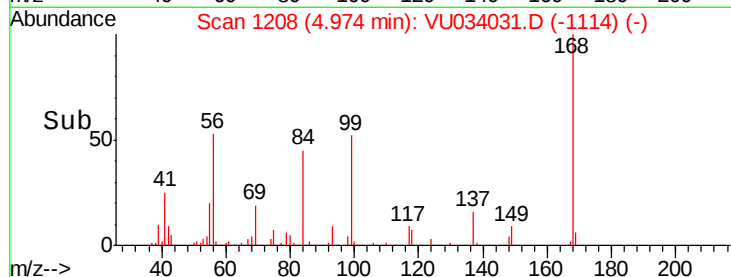
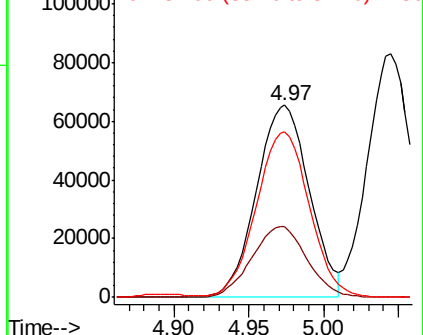
56 100

69 36.5 25.4 38.0

84 85.1 65.8 98.8



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



#32

1,1,1-Trichloroethane

Concen: 20.131 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

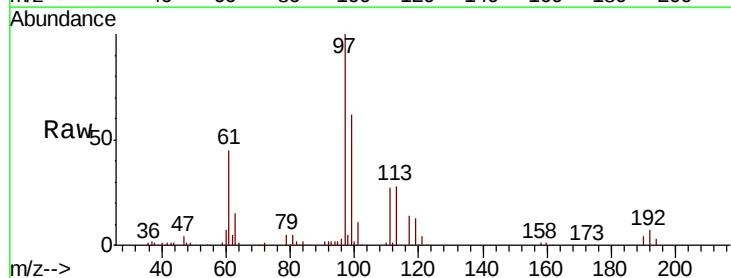
Tgt Ion: 97 Resp: 141617

Ion Ratio Lower Upper

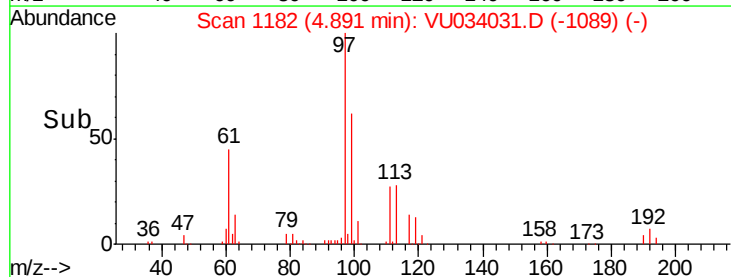
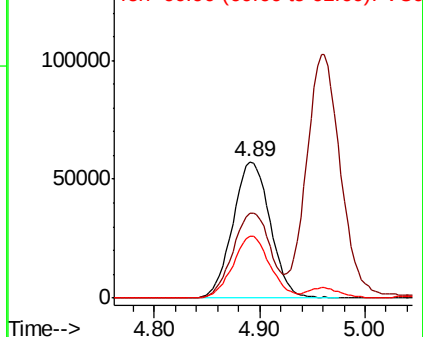
97 100

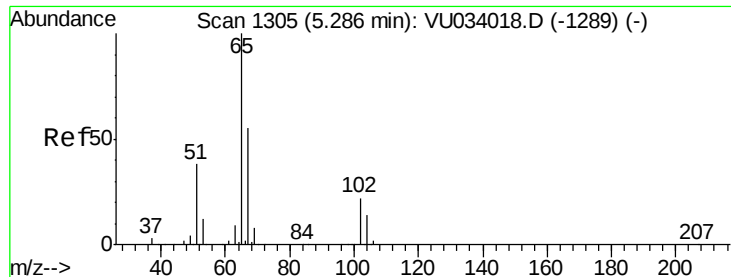
99 62.5 51.8 77.6

61 44.9 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 50.344 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

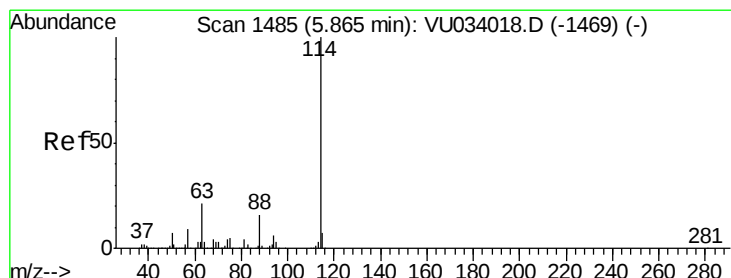
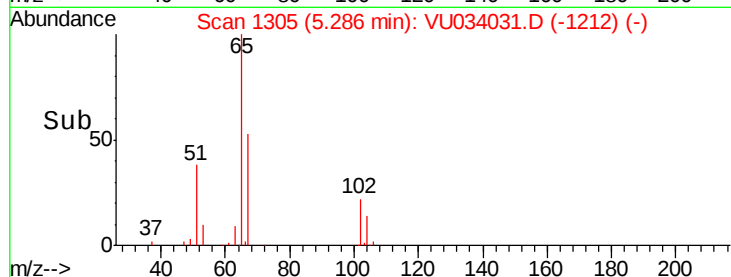
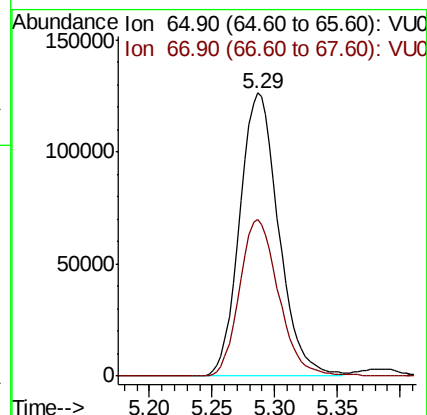
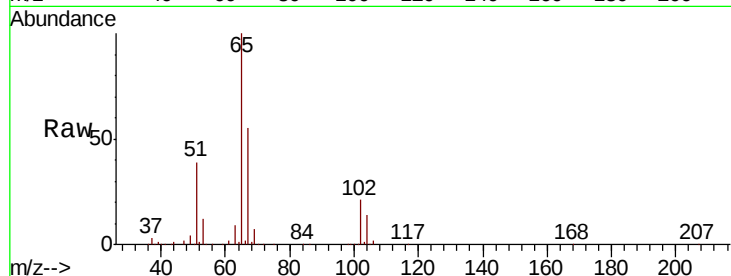
VU0829WBSD01

Tgt Ion: 65 Resp: 272730

Ion Ratio Lower Upper

65 100

67 55.8 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

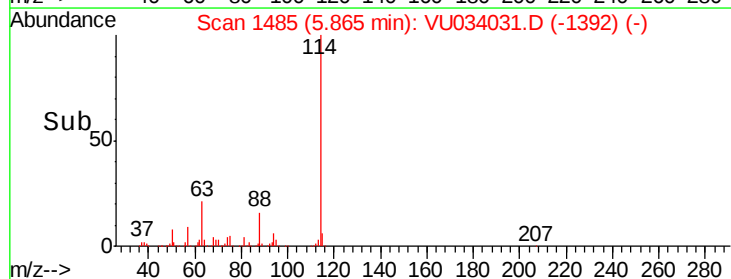
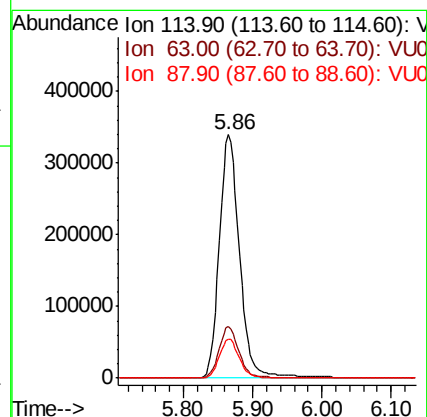
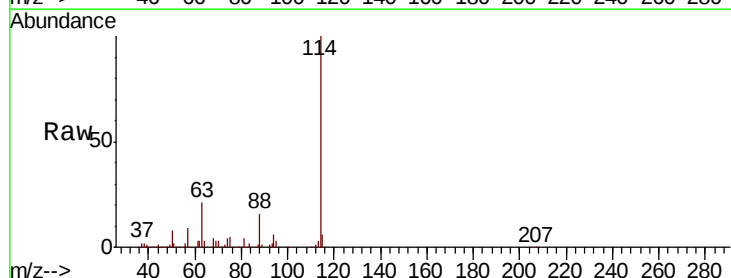
Tgt Ion: 114 Resp: 690827

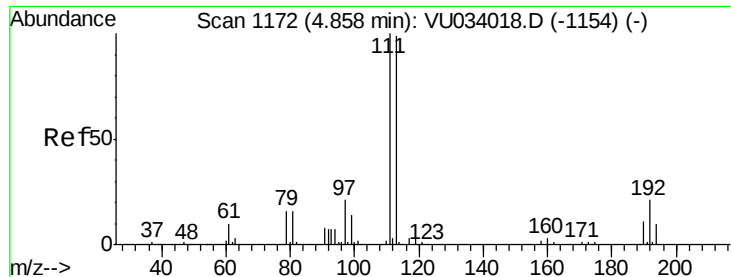
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 16.0 0.0 32.0

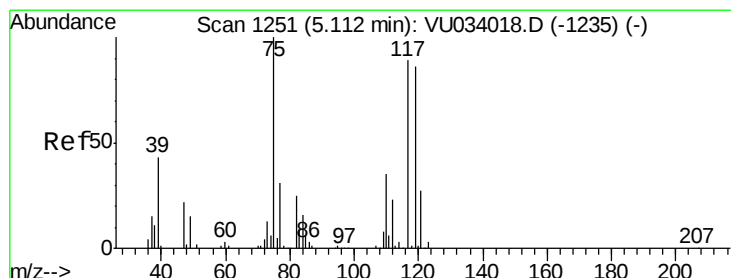
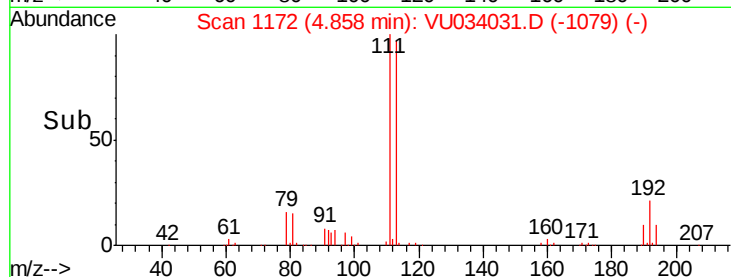
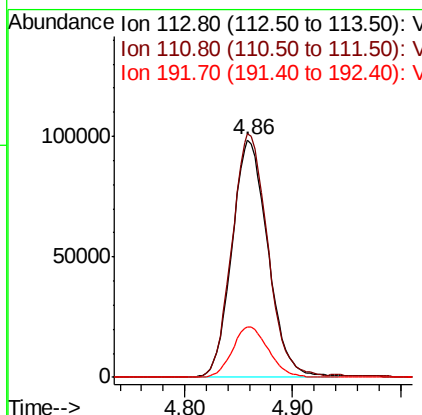
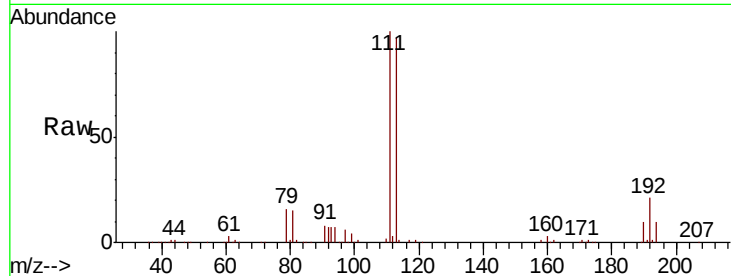




#35
 Dibromofluoromethane
 Concen: 47.609 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

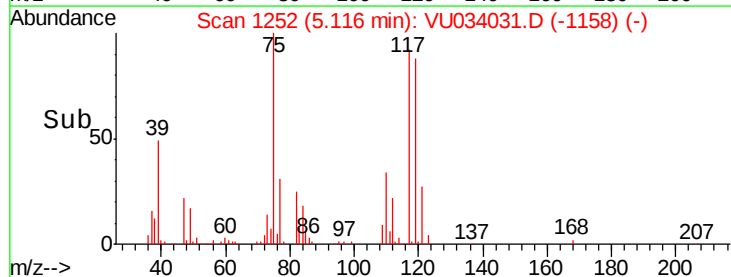
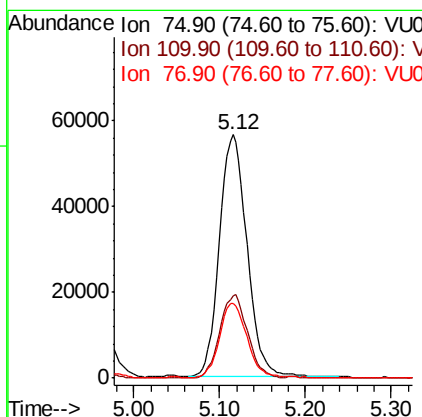
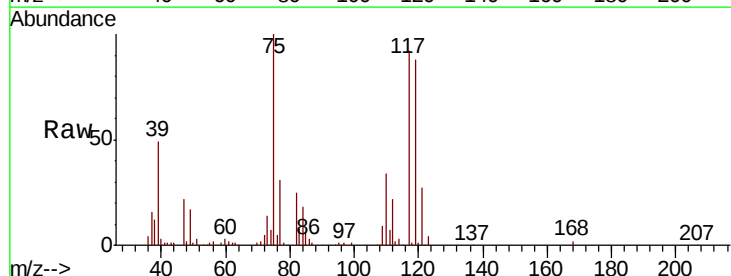
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

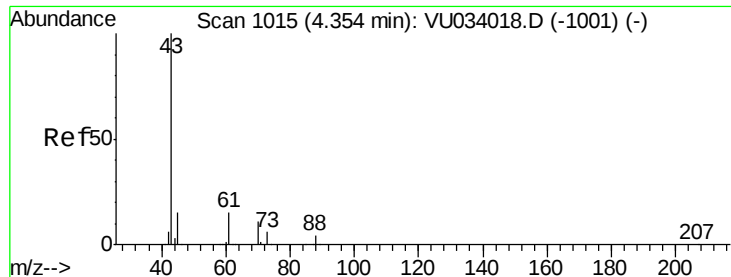
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 19.366 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.8	53.5
77	30.4	25.0	37.4

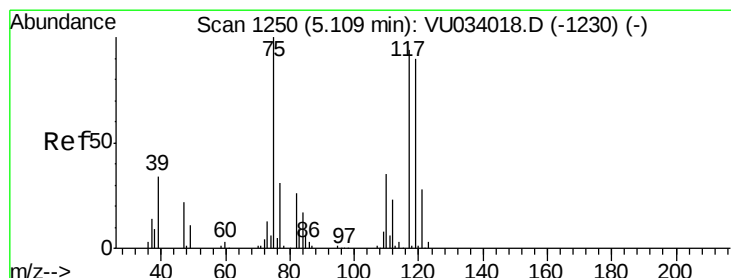
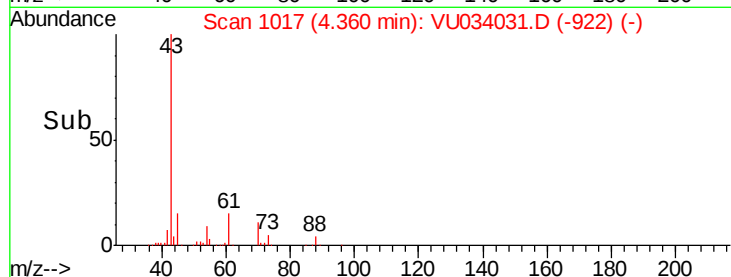
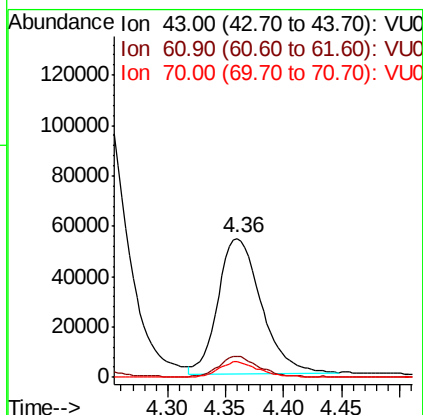
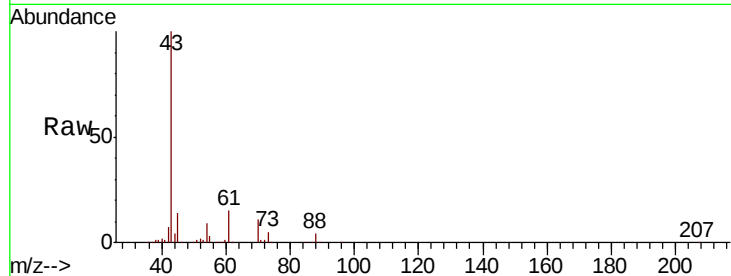




#37
Ethyl Acetate
Concen: 18.909 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

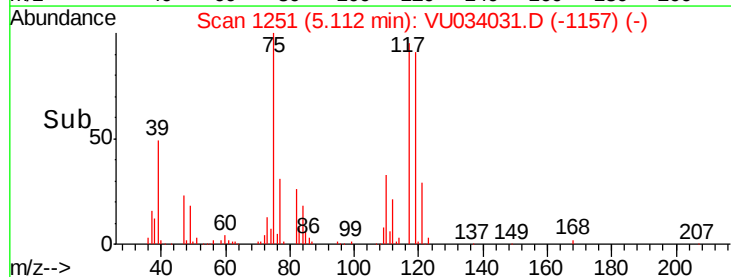
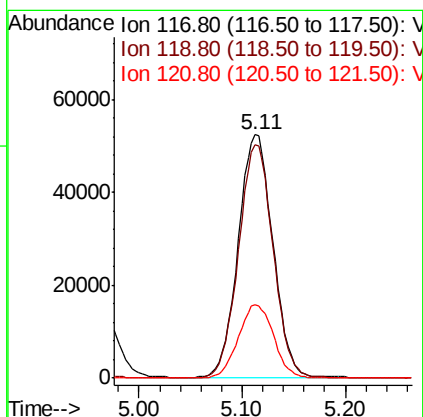
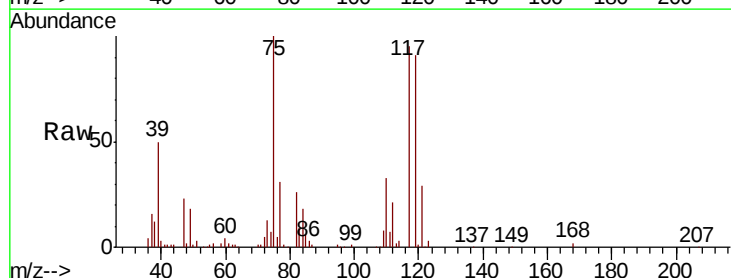
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

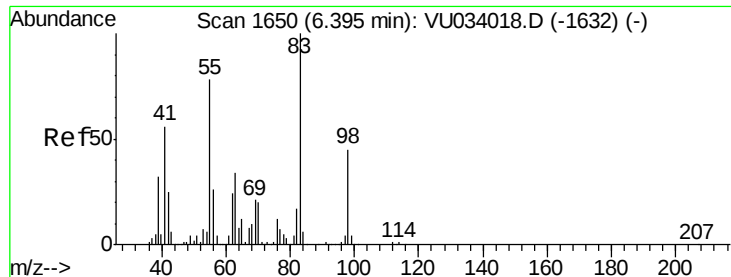
Tgt Ion: 43 Resp: 138365
Ion Ratio Lower Upper
43 100
61 13.6 11.5 17.3
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.329 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 117 Resp: 121916
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 30.4 23.9 35.9

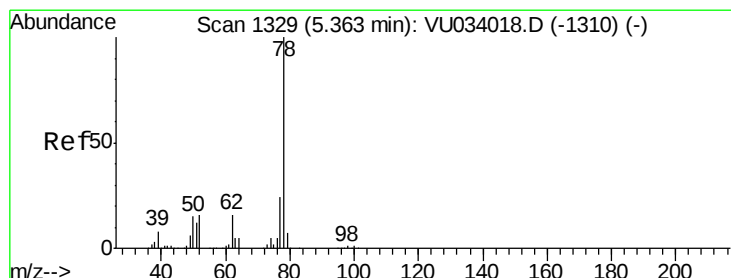
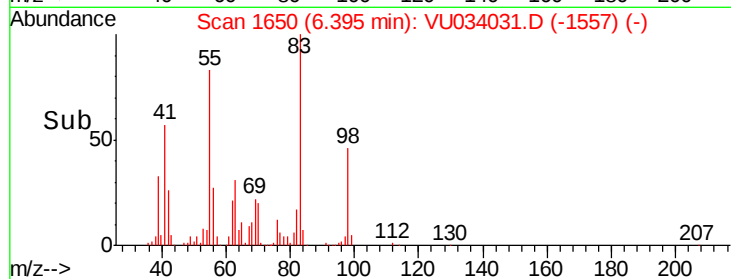
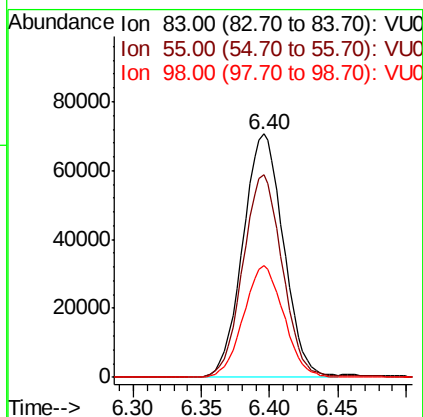
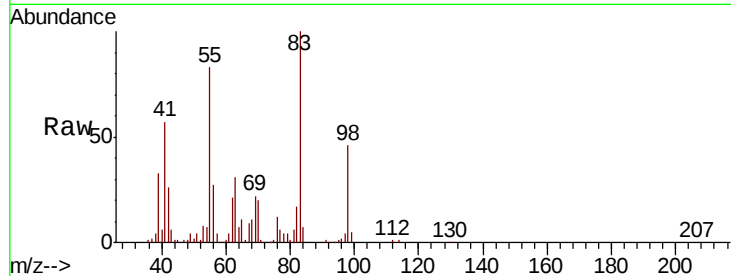




#39
Methylcyclohexane
Concen: 18.932 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

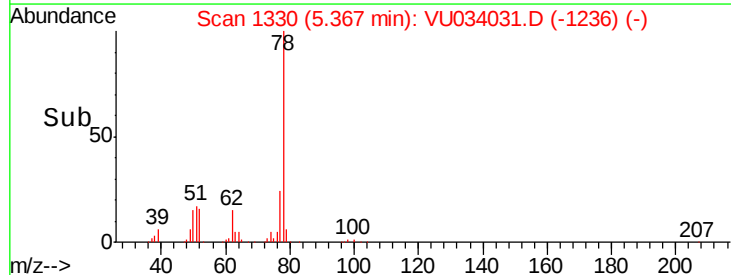
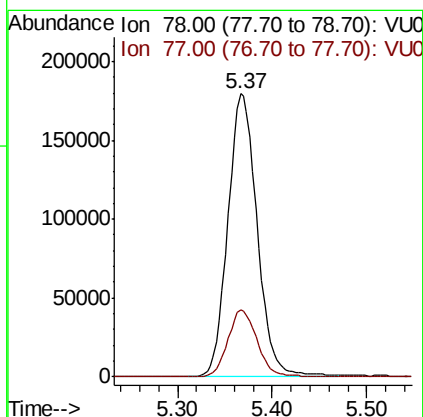
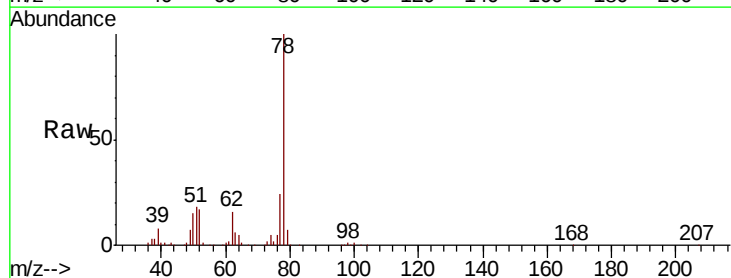
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

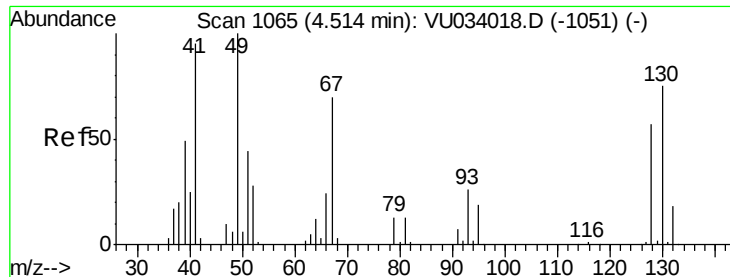
Tgt Ion: 83 Resp: 145809
Ion Ratio Lower Upper
83 100
55 83.4 62.3 93.5
98 45.8 36.2 54.2



#40
Benzene
Concen: 19.606 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 78 Resp: 387601
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 19.883 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tgt Ion: 41 Resp: 74617

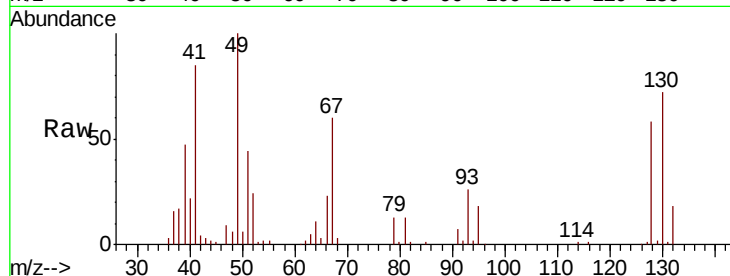
Ion Ratio Lower Upper

41 100

39 52.8 42.1 63.1

67 73.8 61.0 91.4

52 29.6 23.3 34.9

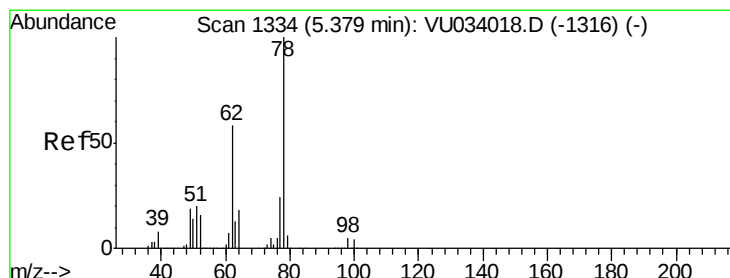
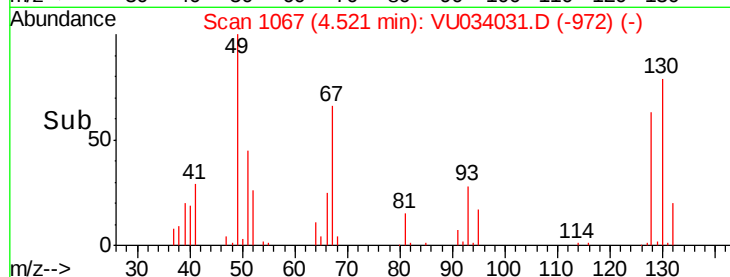
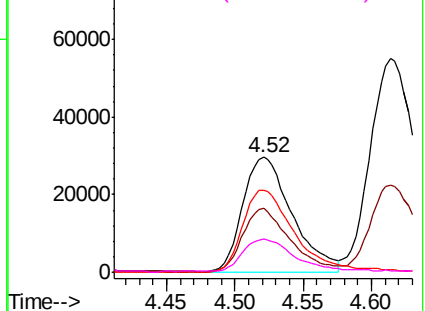


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 19.524 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034031.D

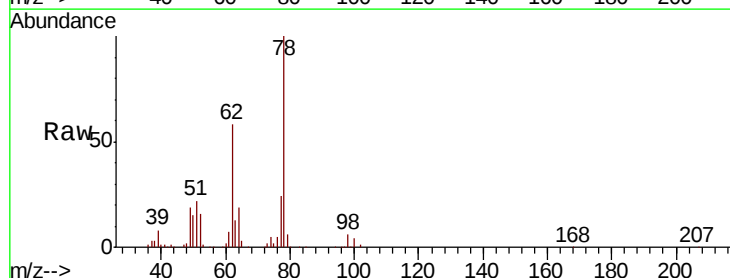
Acq: 28 Aug 2019 18:28

Tgt Ion: 62 Resp: 133290

Ion Ratio Lower Upper

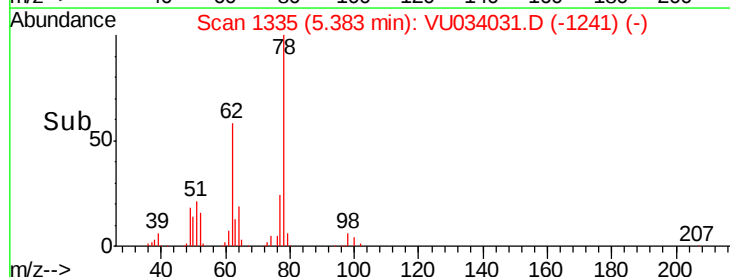
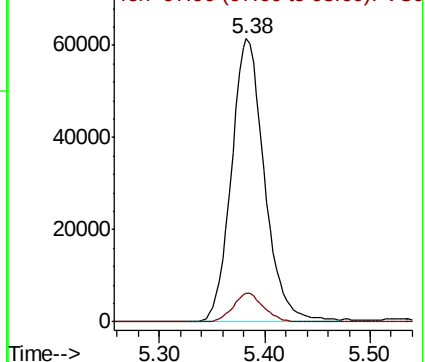
62 100

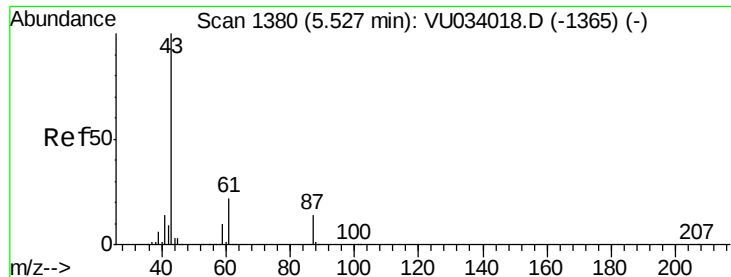
98 9.4 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.049 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

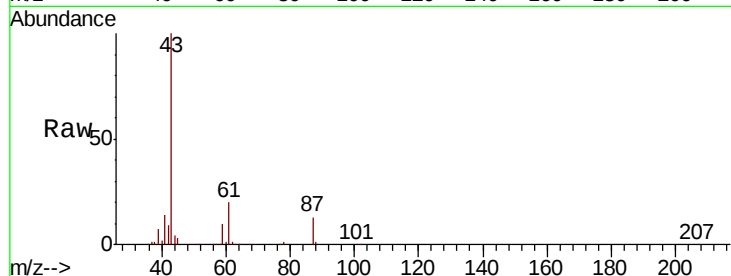
Tgt Ion: 43 Resp: 212056

Ion Ratio Lower Upper

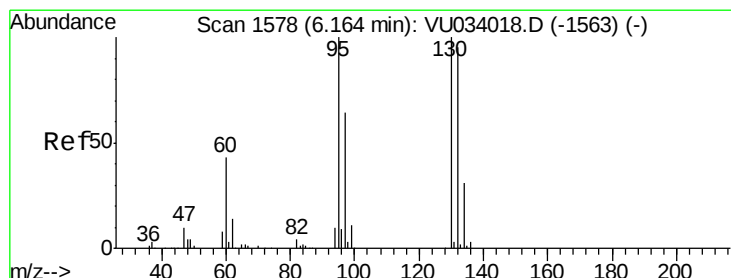
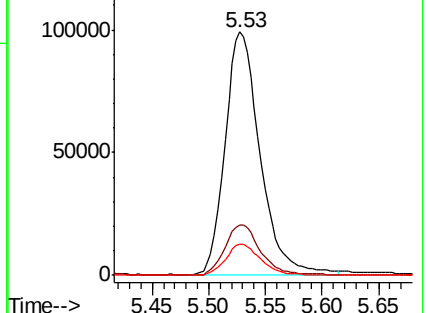
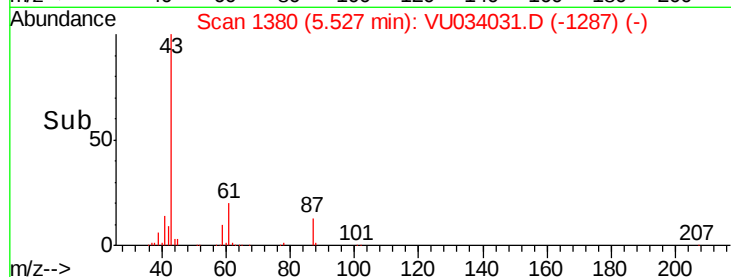
43 100

61 21.1 17.2 25.8

87 12.9 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034031.D (-1287) (-)



#44

Trichloroethene

Concen: 19.801 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034031.D

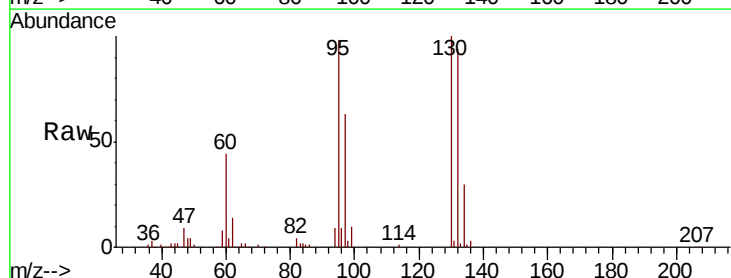
Acq: 28 Aug 2019 18:28

Tgt Ion: 130 Resp: 102800

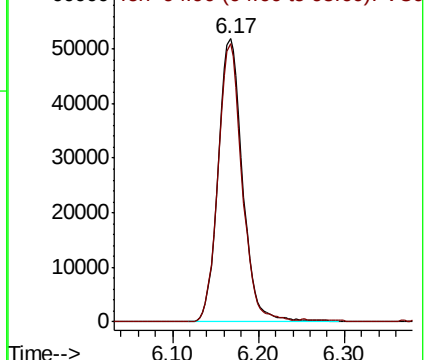
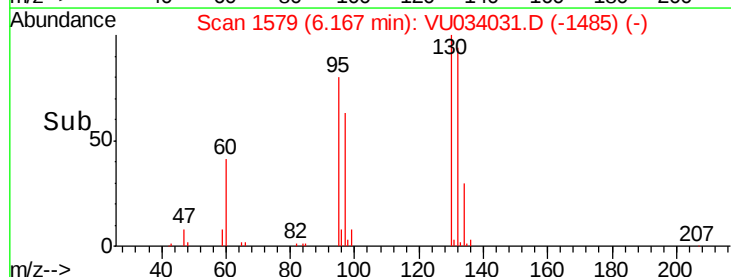
Ion Ratio Lower Upper

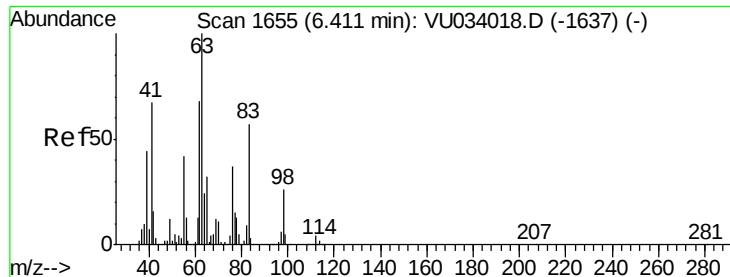
130 100

95 98.1 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034031.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 19.539 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

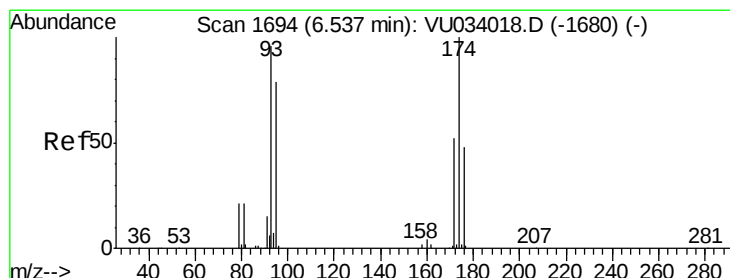
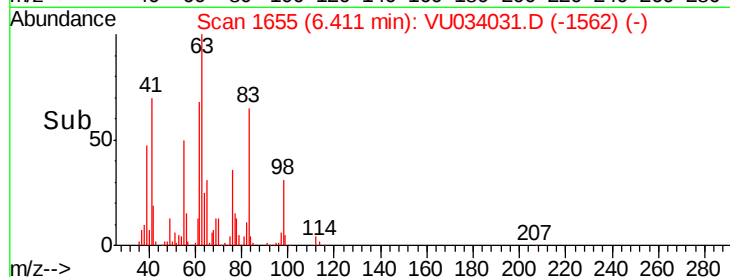
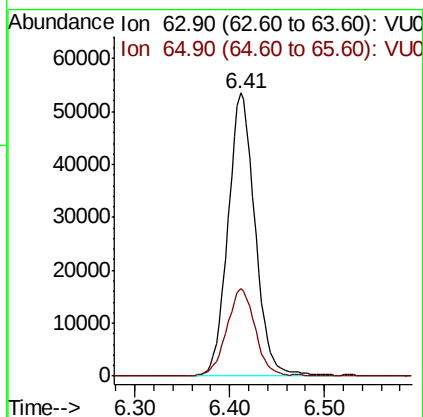
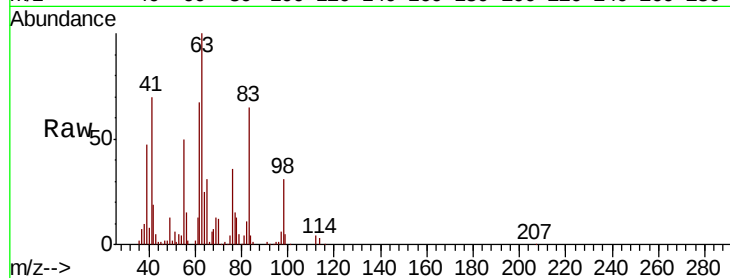
VU0829WBSD01

Tgt Ion: 63 Resp: 106335

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.2



#46

Dibromomethane

Concen: 18.997 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

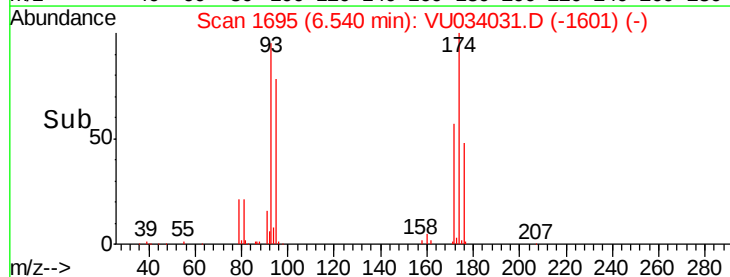
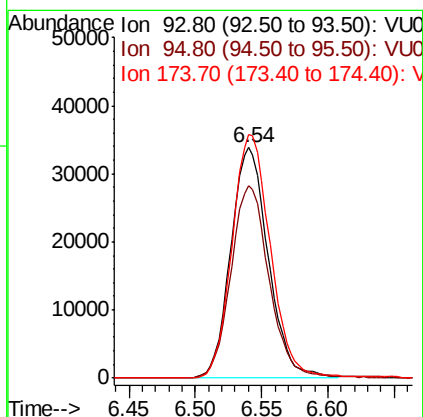
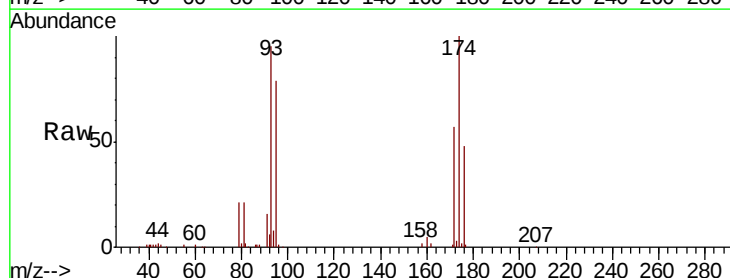
Tgt Ion: 93 Resp: 66606

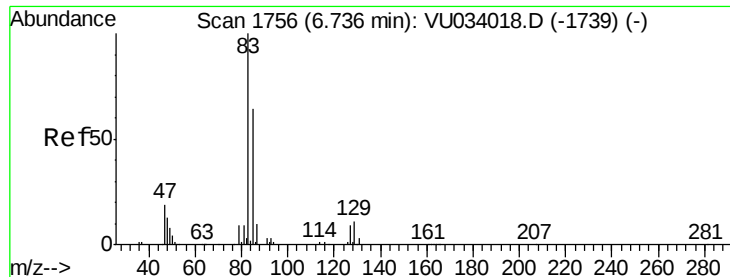
Ion Ratio Lower Upper

93 100

95 84.9 66.7 100.1

174 108.0 84.9 127.3





#47

Bromodichloromethane

Concen: 19.118 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

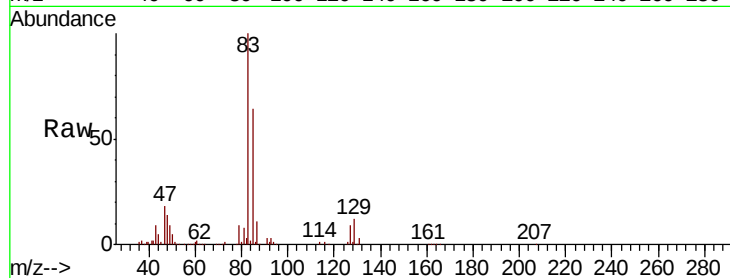
Tgt Ion: 83 Resp: 131145

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

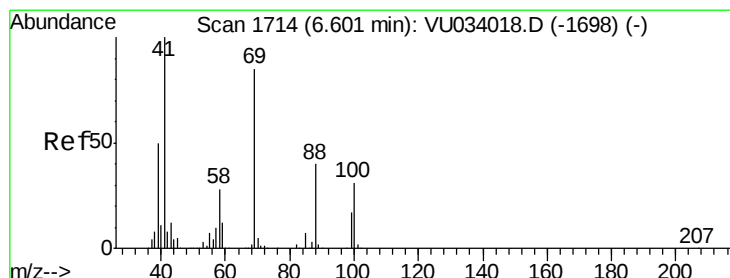
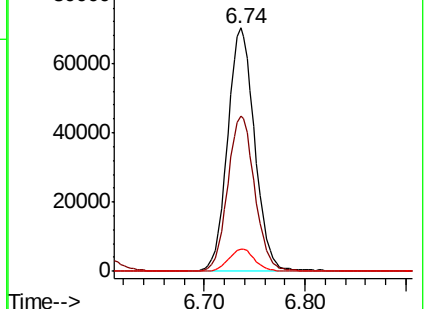
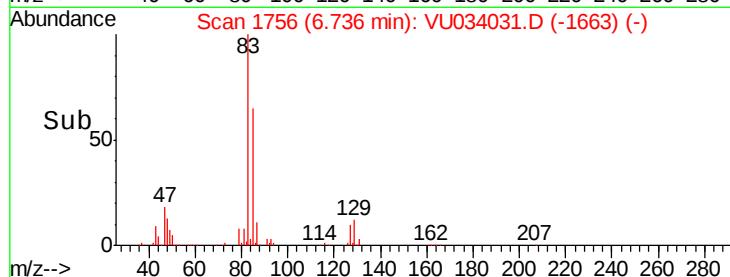
127 9.4 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034031.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034031.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034031.D (-1663) (-)



#48

Methyl methacrylate

Concen: 18.599 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

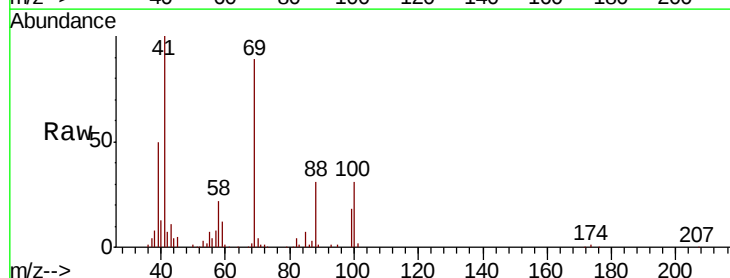
Tgt Ion: 41 Resp: 99912

Ion Ratio Lower Upper

41 100

69 90.8 69.5 104.3

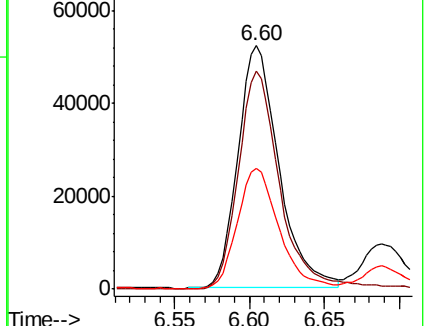
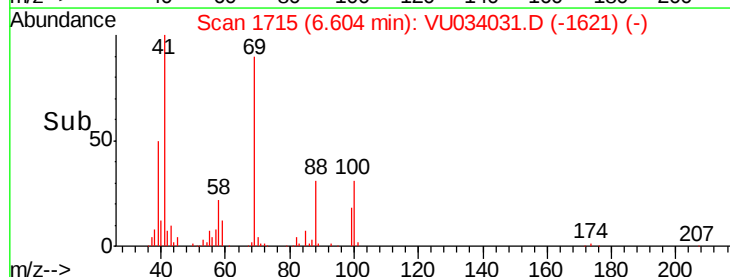
39 50.1 40.3 60.5

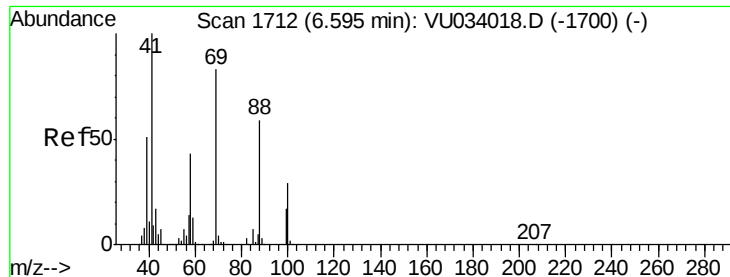


Abundance Ion 41.00 (40.70 to 41.70): VU034031.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034031.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034031.D (-1621) (-)





#49

1,4-Dioxane

Concen: 332.948 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

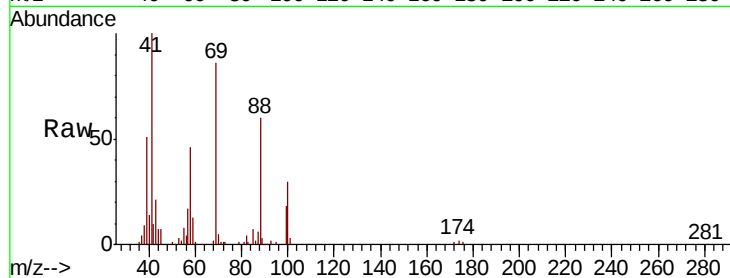
Tgt Ion: 88 Resp: 44813

Ion Ratio Lower Upper

88 100

43 31.3 24.8 37.2

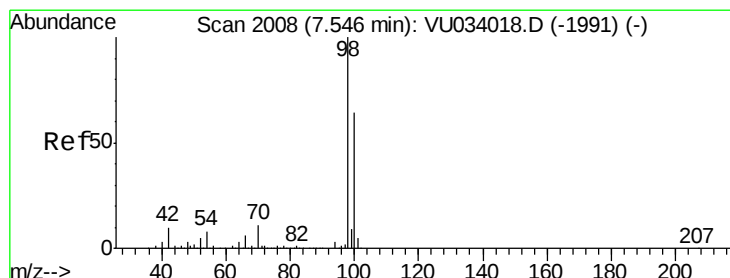
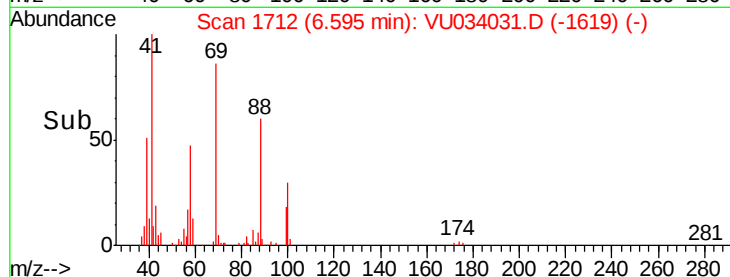
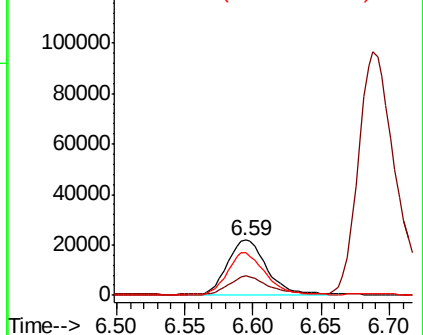
58 74.5 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VU034031.D (-1619) (-)

Ion 43.00 (42.70 to 43.70): VU034031.D (-1619) (-)

Ion 58.00 (57.70 to 58.70): VU034031.D (-1619) (-)



#50

Toluene-d8

Concen: 49.322 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034031.D

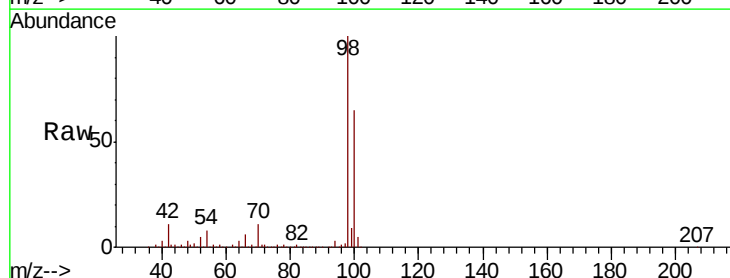
Acq: 28 Aug 2019 18:28

Tgt Ion: 98 Resp: 884900

Ion Ratio Lower Upper

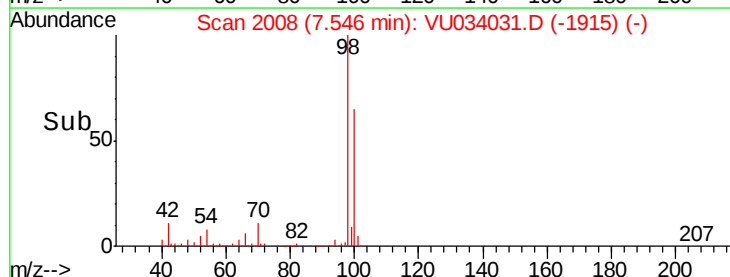
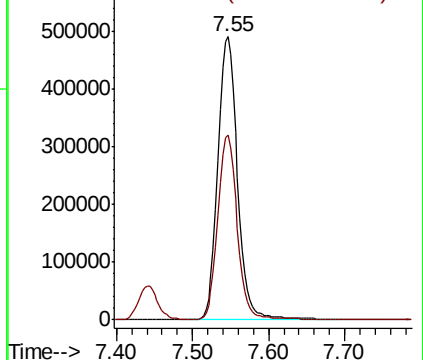
98 100

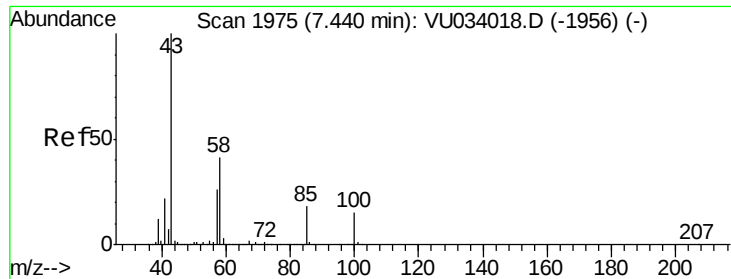
100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034031.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034031.D (-1915) (-)





#51

4-Methyl-2-Pentanone

Concen: 93.272 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

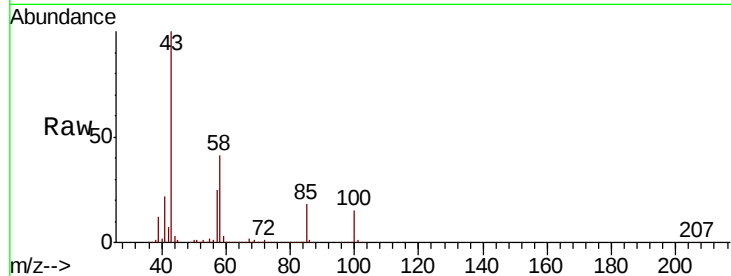
VU0829WBSD01

Tgt Ion: 43 Resp: 717070

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.44

400000

300000

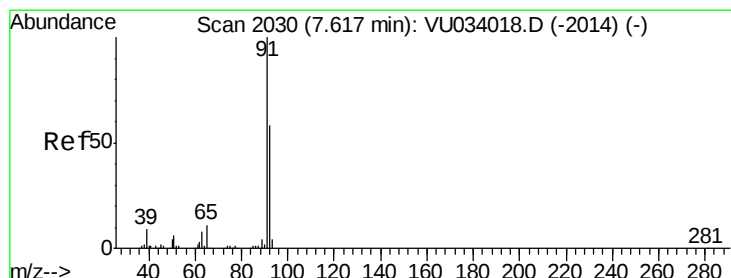
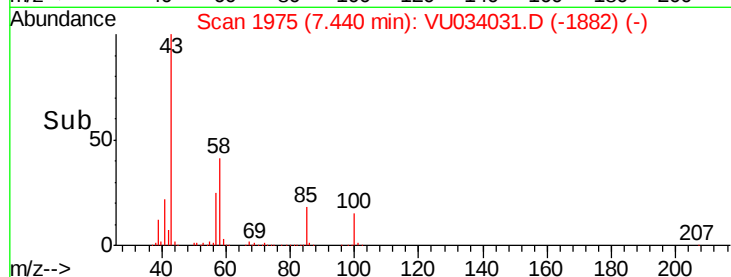
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 19.705 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034031.D

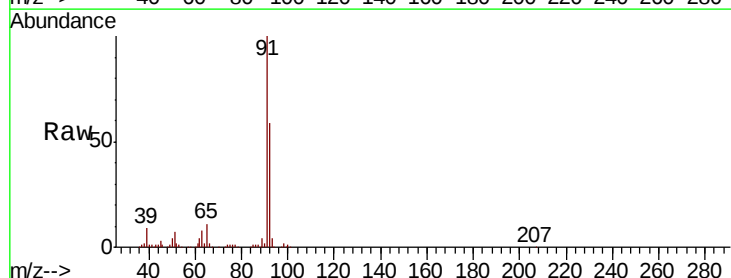
Acq: 28 Aug 2019 18:28

Tgt Ion: 92 Resp: 239976

Ion Ratio Lower Upper

92 100

91 172.7 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

7.62

250000

200000

150000

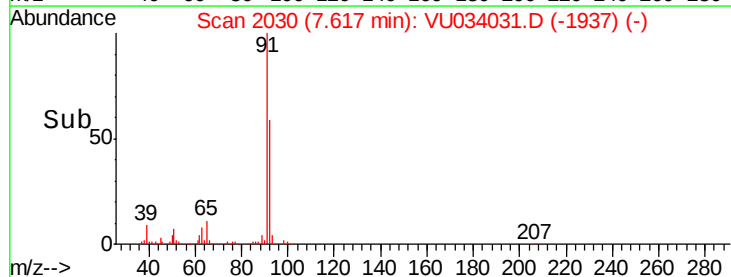
100000

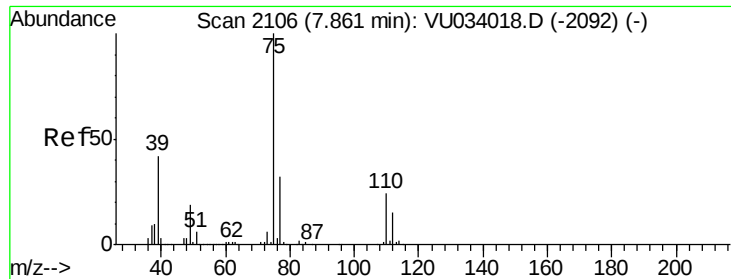
50000

0

7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.184 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

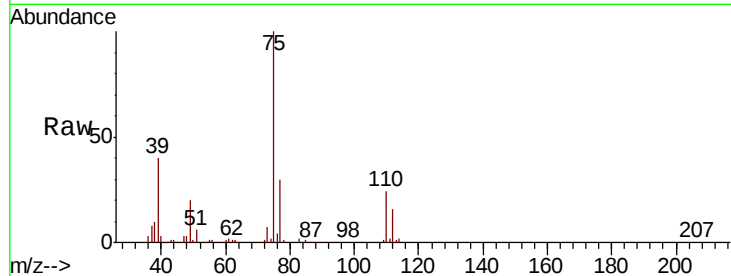
VU0829WBSD01

Tgt Ion: 75 Resp: 138412

Ion Ratio Lower Upper

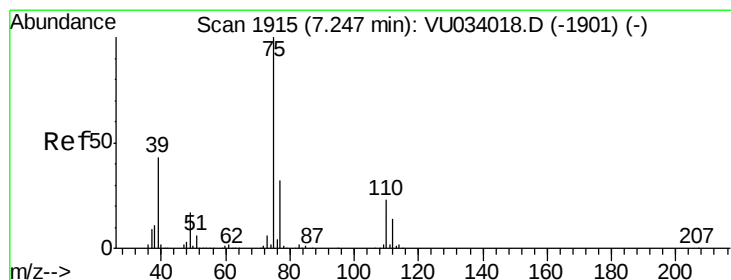
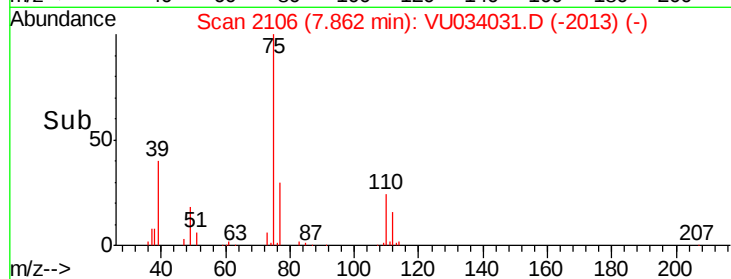
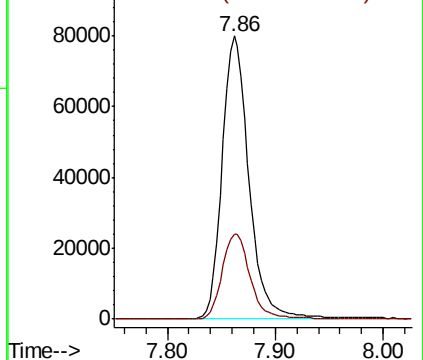
75 100

77 30.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.728 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

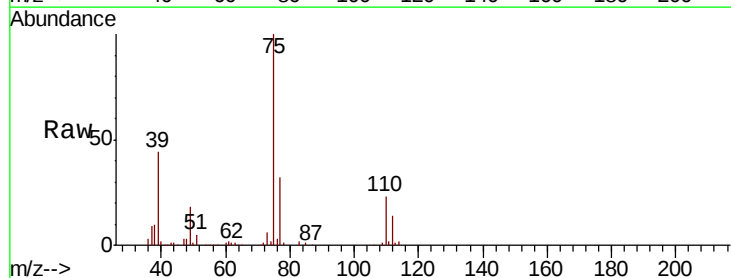
Tgt Ion: 75 Resp: 155735

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

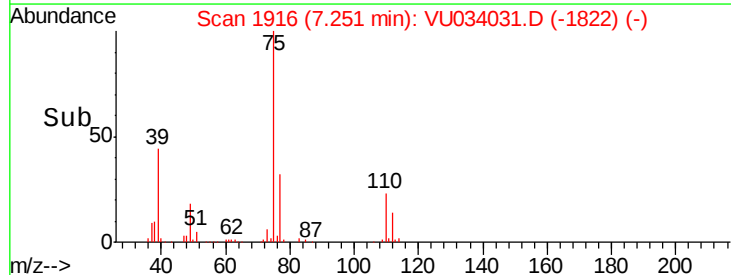
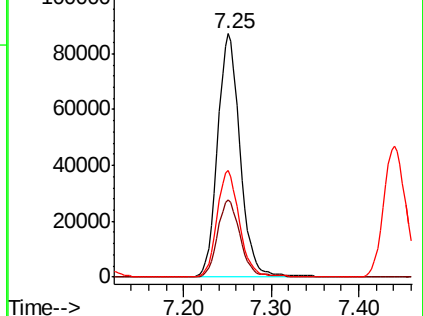
39 43.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 18.334 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

Tgt Ion: 97 Resp: 94446

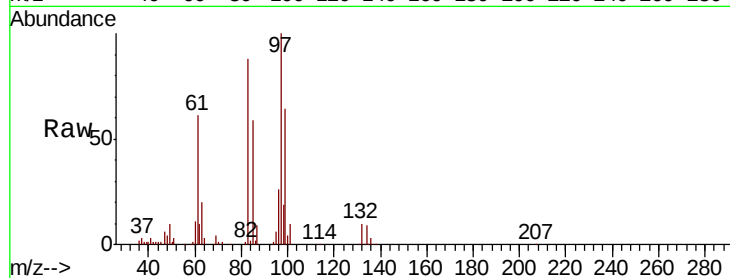
Ion Ratio Lower Upper

97 100

83 88.3 70.1 105.1

85 59.1 45.0 67.4

99 63.8 49.8 74.8

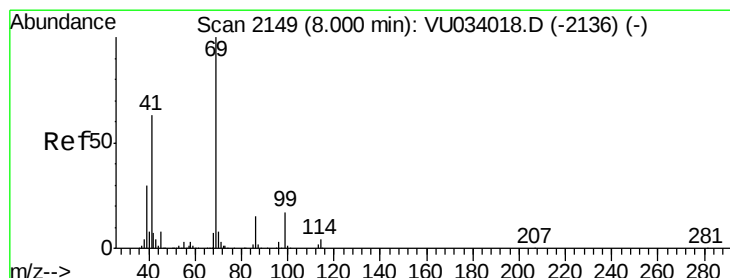
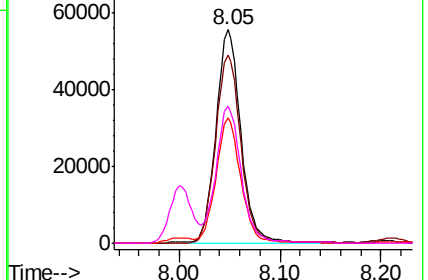
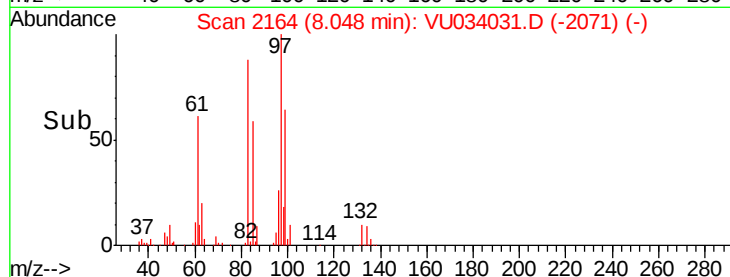


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 17.268 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

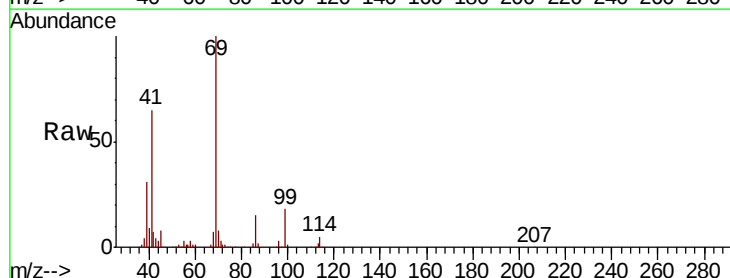
Tgt Ion: 69 Resp: 142012

Ion Ratio Lower Upper

69 100

41 63.1 50.7 76.1

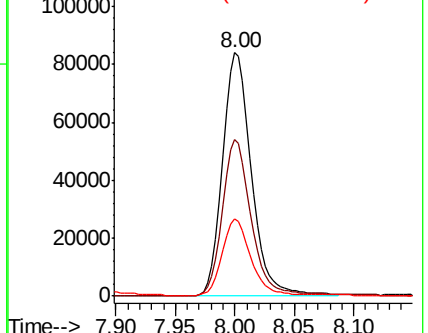
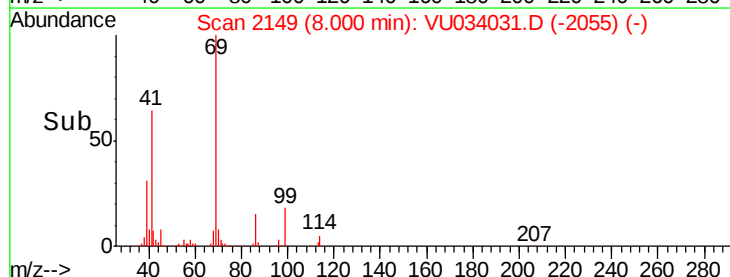
39 30.6 24.2 36.2

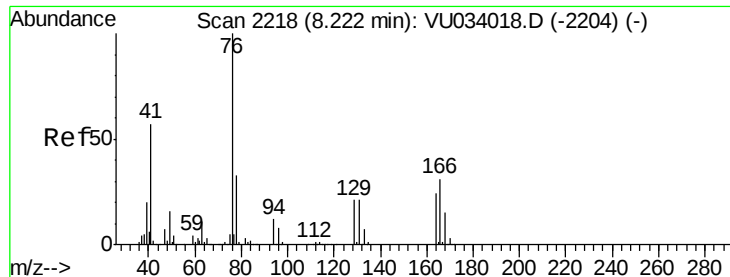


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

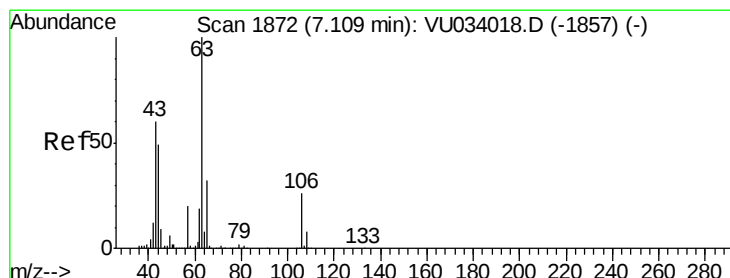
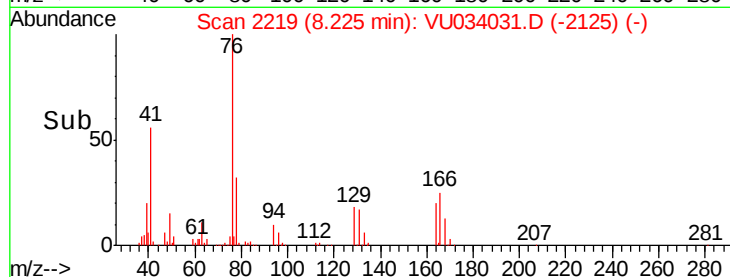
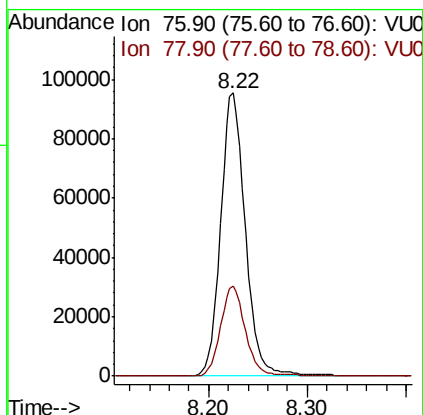
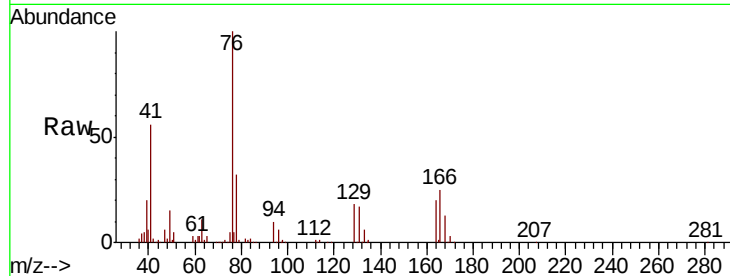




#57
 1,3-Dichloropropane
 Concen: 19.136 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

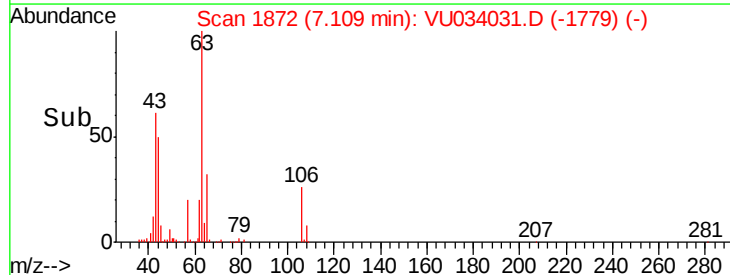
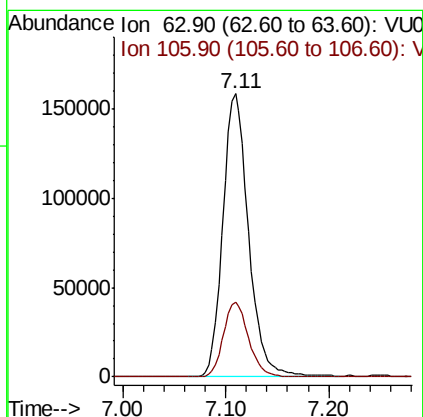
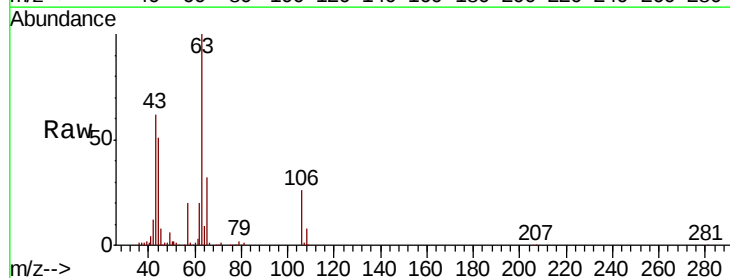
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

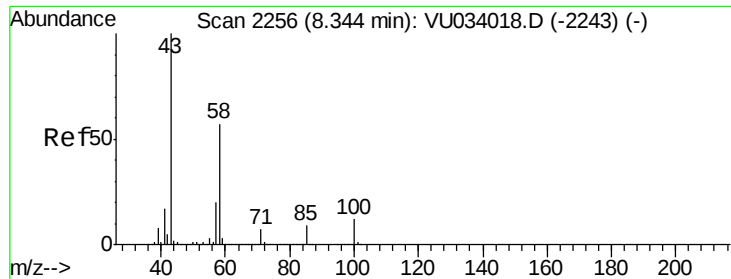
Tgt Ion: 76 Resp: 167381
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.733 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion: 63 Resp: 275684
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1

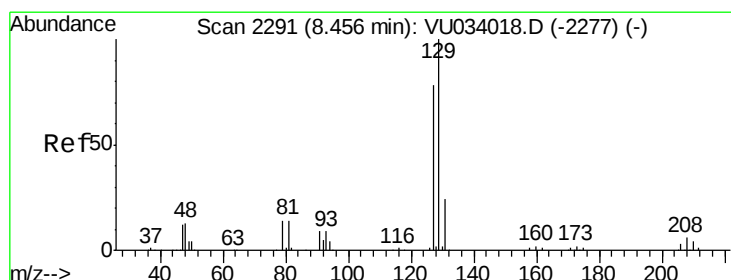
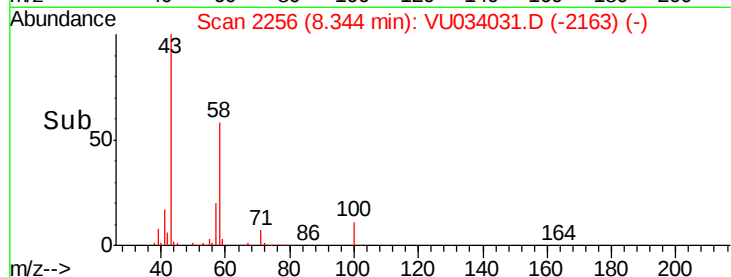
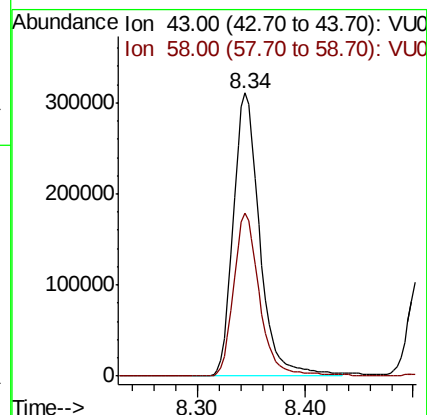
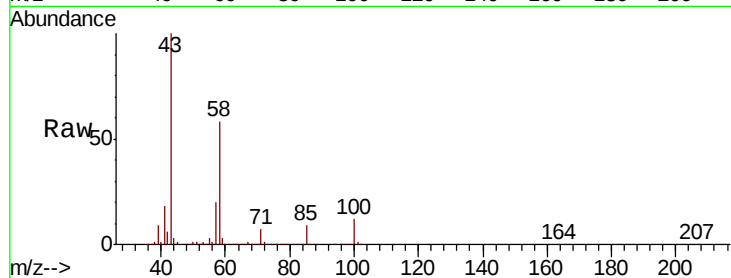




#59
2-Hexanone
Concen: 91.544 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

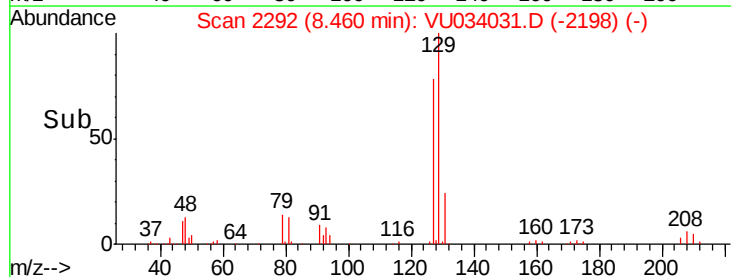
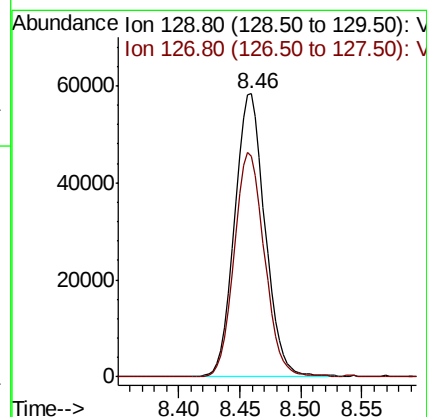
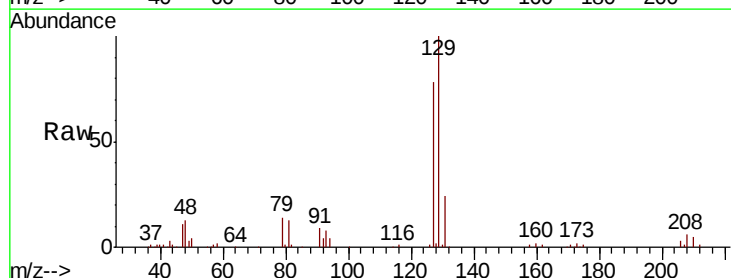
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

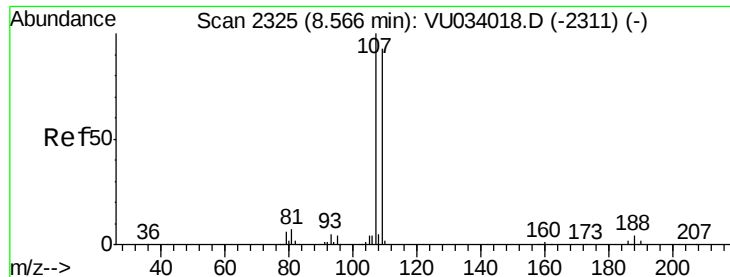
Tgt Ion: 43 Resp: 531295
Ion Ratio Lower Upper
43 100
58 57.2 28.4 85.3



#60
Dibromochloromethane
Concen: 18.394 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 129 Resp: 101716
Ion Ratio Lower Upper
129 100
127 78.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.651 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

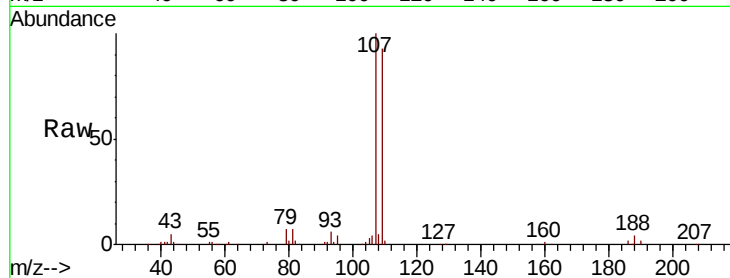
VU0829WBSD01

Tgt Ion: 107 Resp: 101212

Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

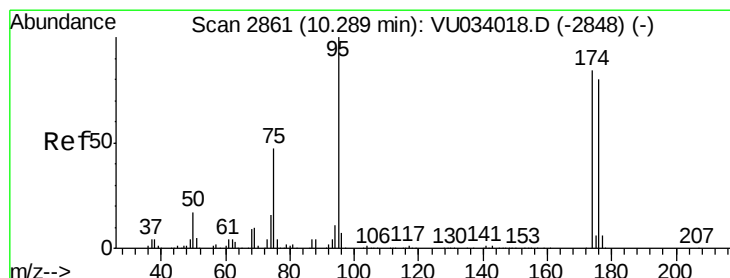
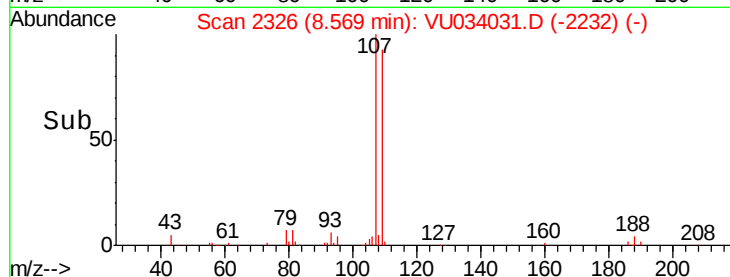
10000

0

8.57

8.50 8.60 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 46.593 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

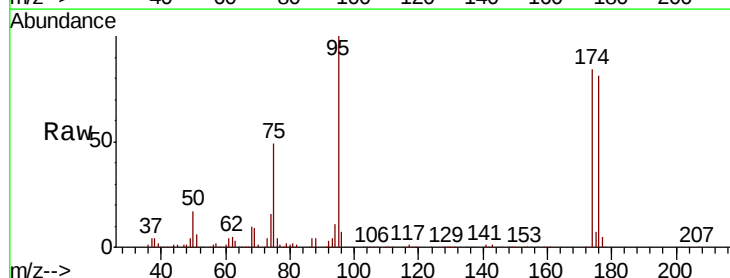
Tgt Ion: 95 Resp: 325170

Ion Ratio Lower Upper

95 100

174 83.7 0.0 168.8

176 80.4 0.0 161.8



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

250000

200000

150000

100000

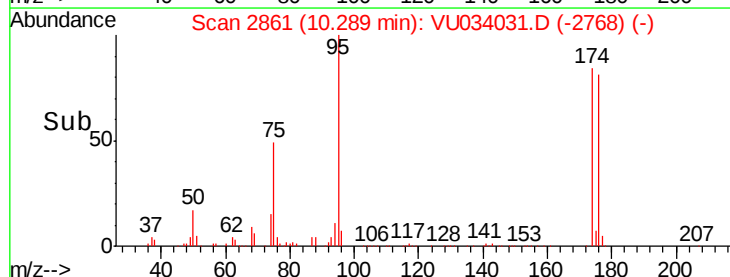
50000

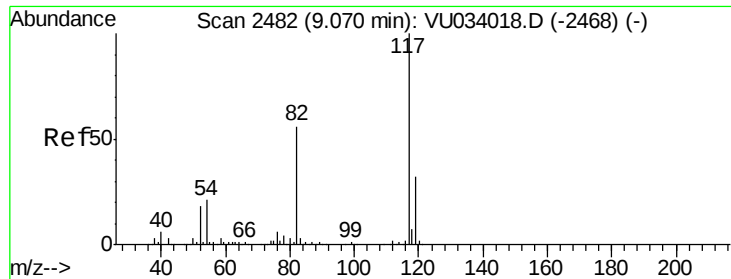
0

10.29

10.20 10.30 10.40

Time-->

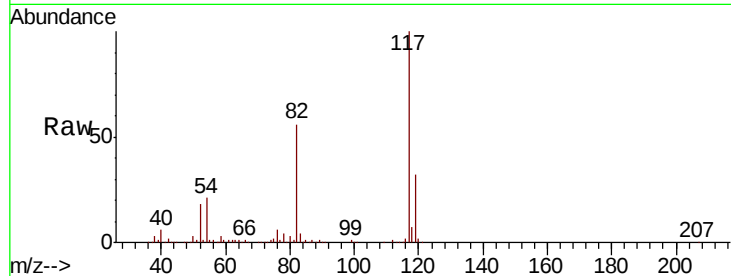




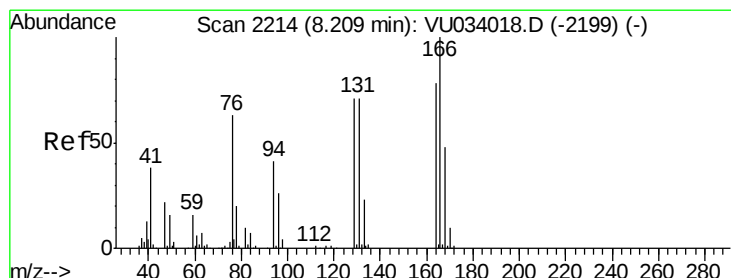
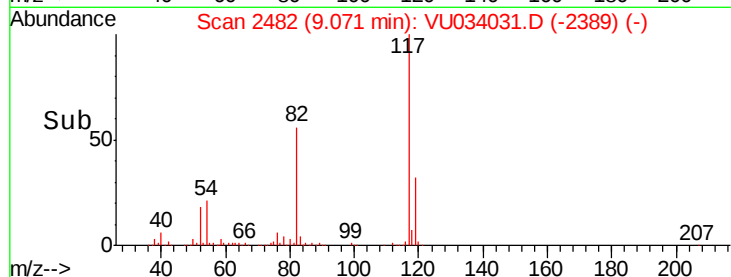
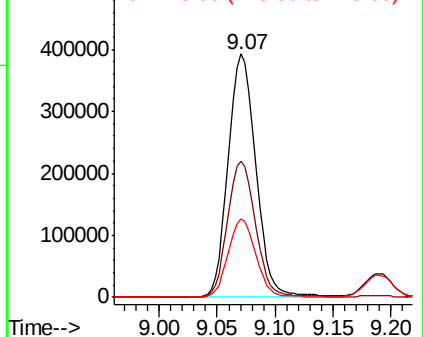
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tgt Ion:117 Resp: 650694
Ion Ratio Lower Upper
117 100
82 56.1 45.1 67.7
119 32.1 25.4 38.0

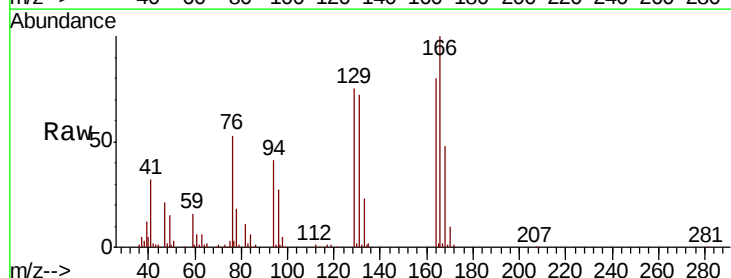


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

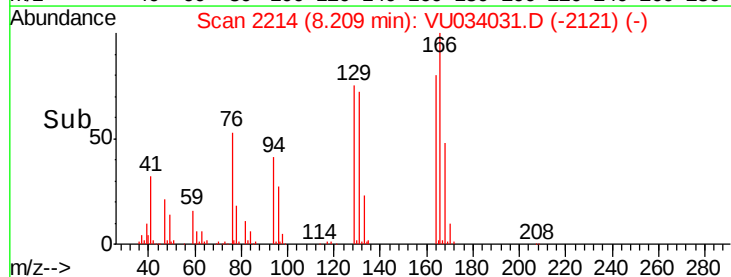
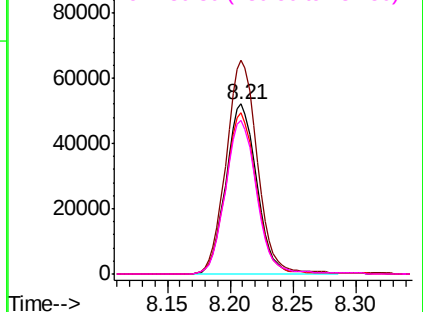


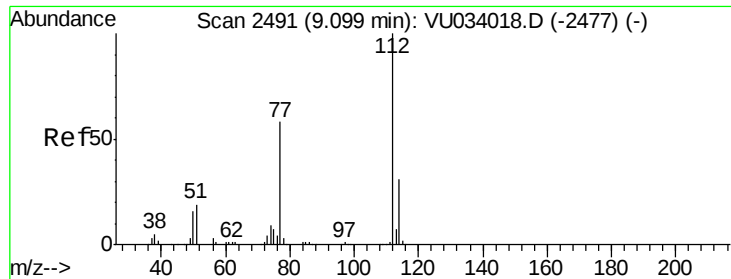
#64
Tetrachloroethene
Concen: 20.411 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion:164 Resp: 89194
Ion Ratio Lower Upper
164 100
166 125.5 102.2 153.2
129 94.6 72.4 108.6
131 90.0 72.1 108.1



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

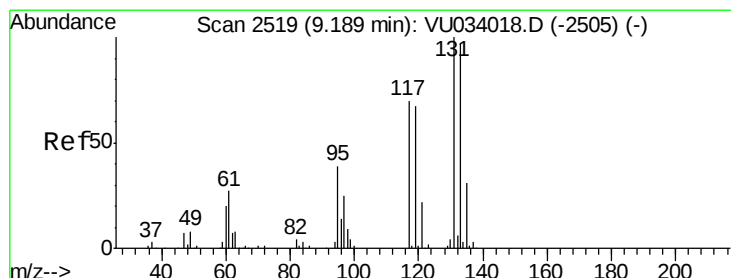
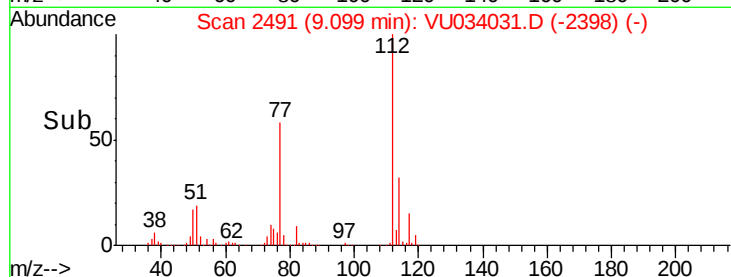
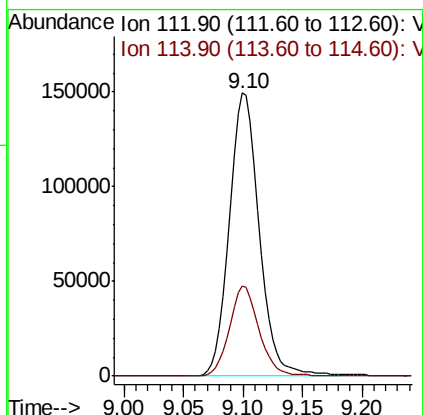
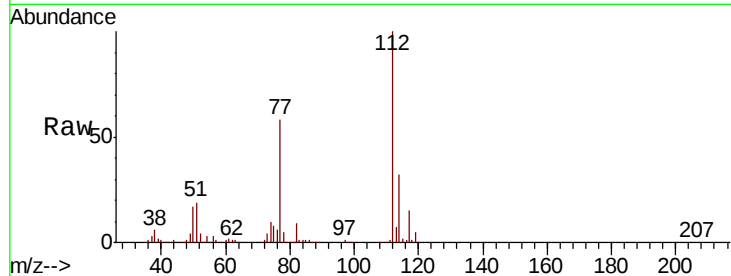




#65
Chlorobenzene
Concen: 19.512 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

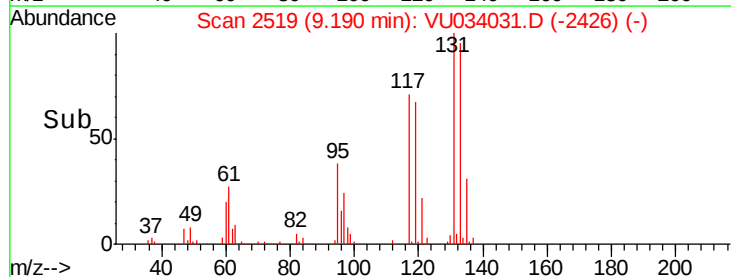
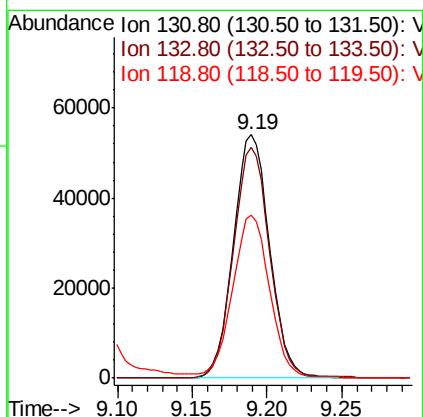
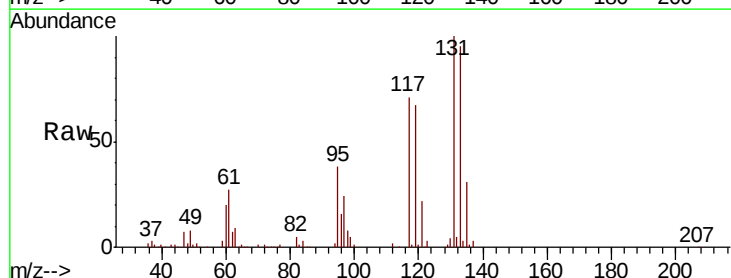
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

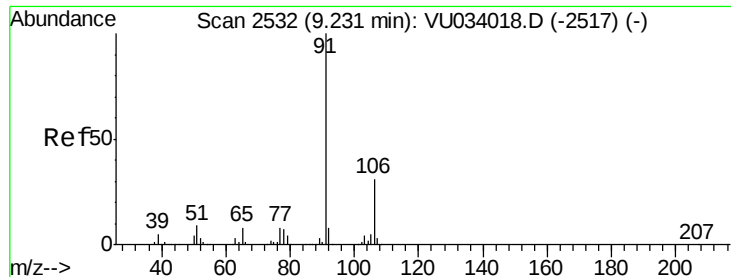
Tgt Ion:112 Resp: 261280
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.790 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion:131 Resp: 91237
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 67.4 33.6 100.6

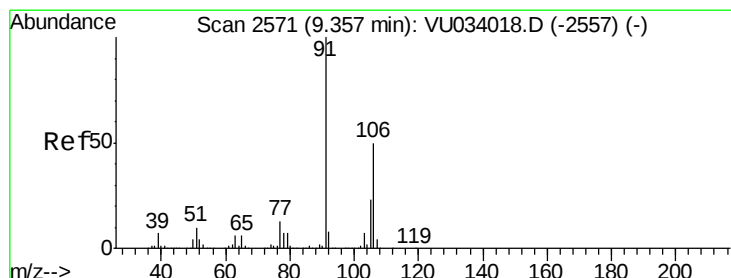
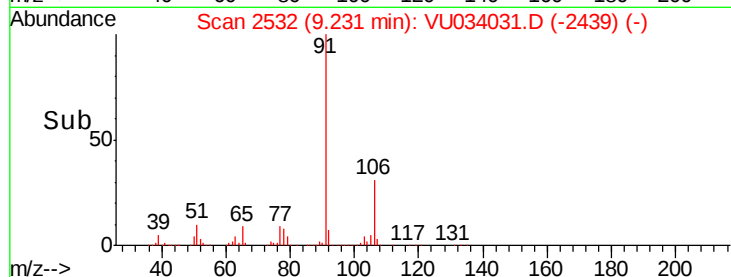
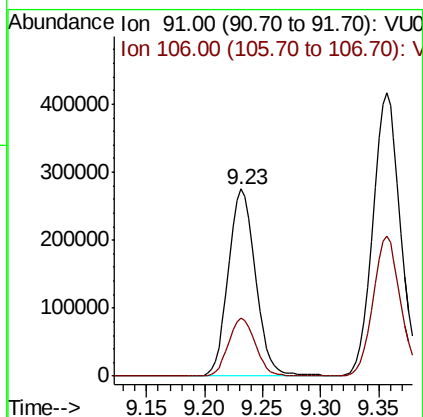
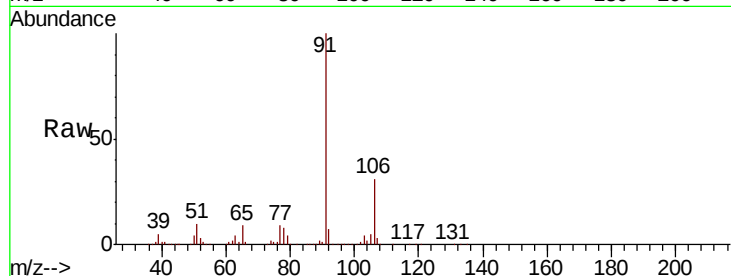




#67
Ethyl Benzene
Concen: 19.655 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

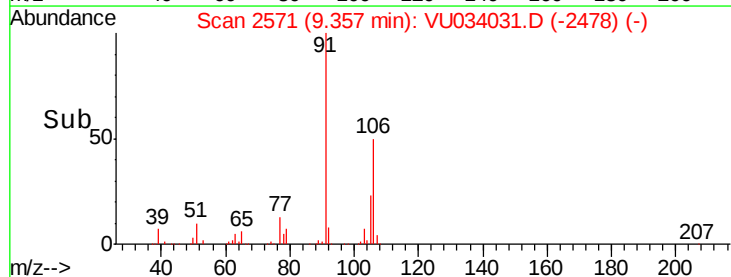
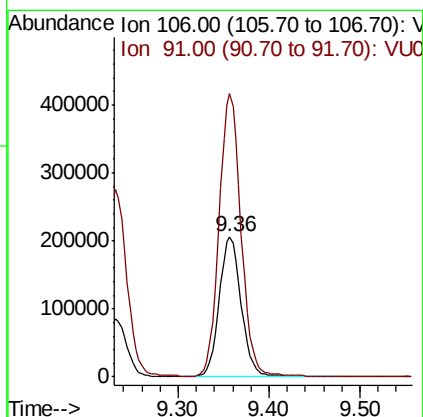
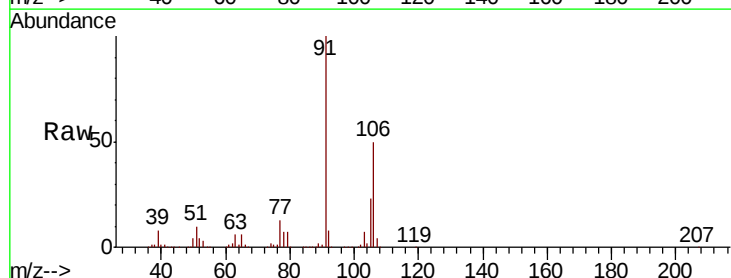
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

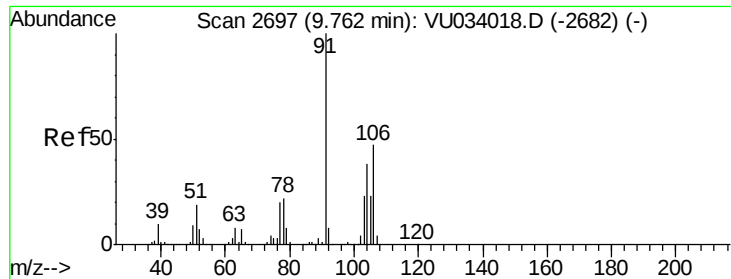
Tgt Ion: 91 Resp: 446150
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 39.933 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 106 Resp: 344666
Ion Ratio Lower Upper
106 100
91 201.9 161.6 242.4

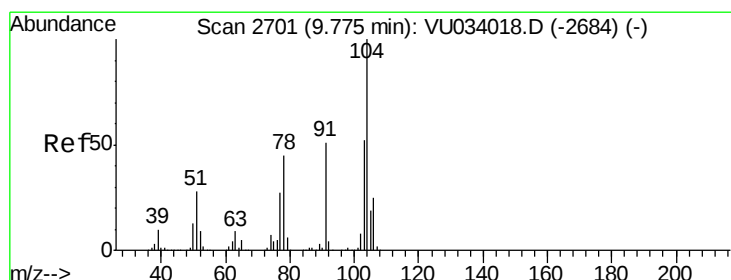
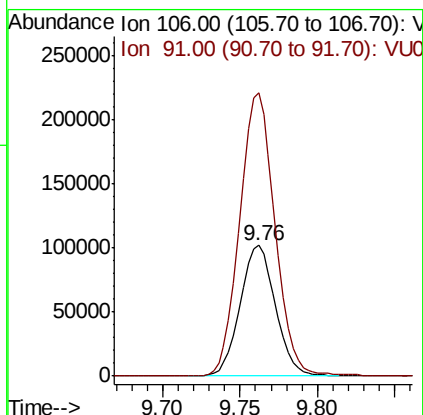
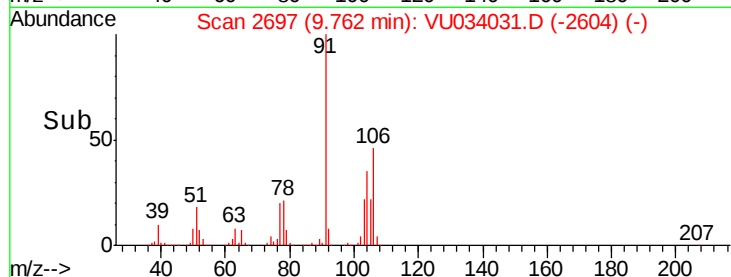
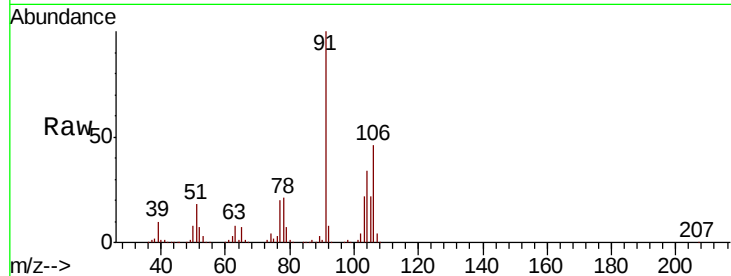




#69
o-Xylene
Concen: 19.539 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

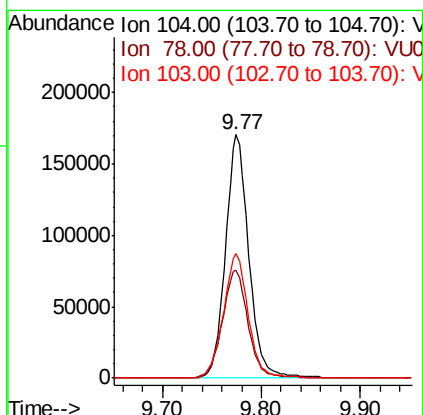
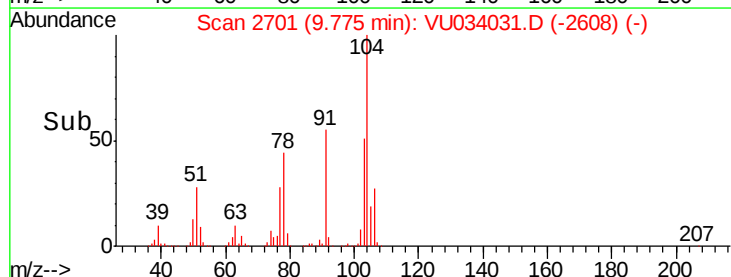
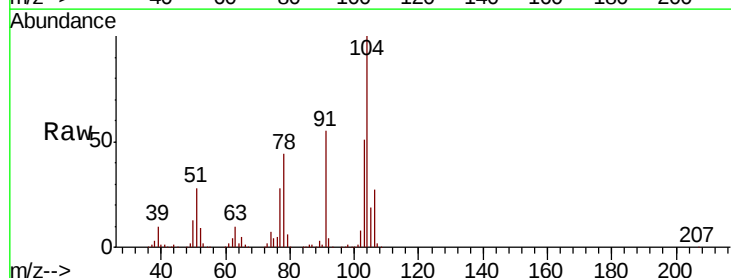
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

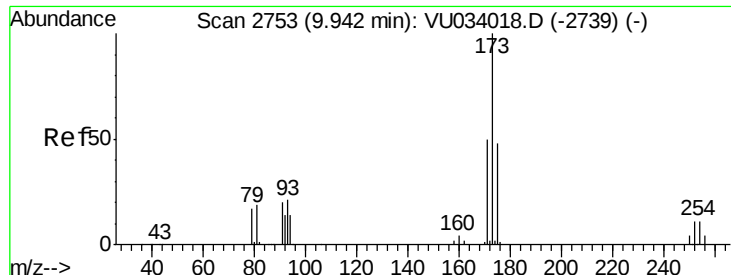
Tgt Ion:106 Resp: 161792
Ion Ratio Lower Upper
106 100
91 217.5 106.0 318.0



#70
Styrene
Concen: 19.948 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion:104 Resp: 283217
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 54.6 44.0 66.0





#71

Bromoform

Concen: 17.768 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

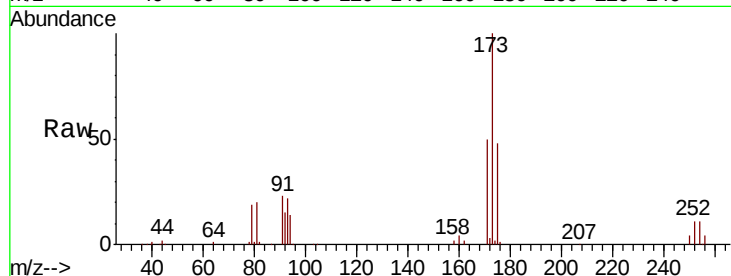
Tgt Ion:173 Resp: 74959

Ion Ratio Lower Upper

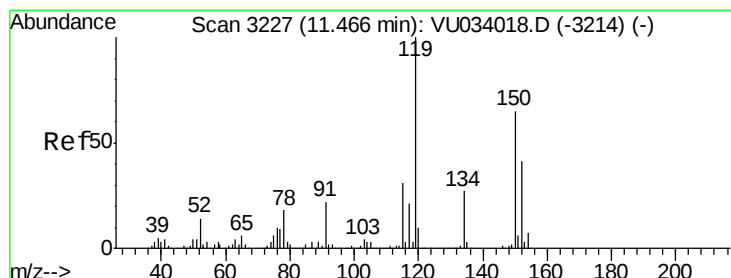
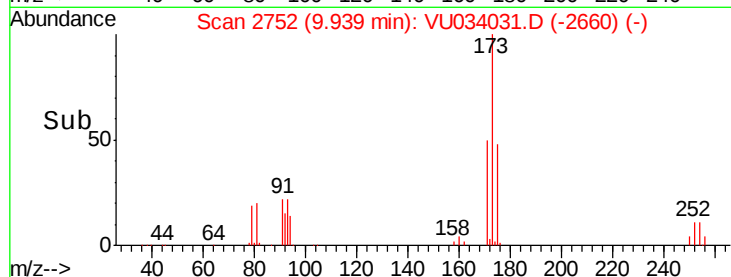
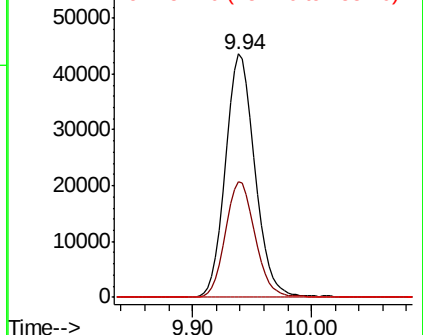
173 100

175 48.0 24.6 73.6

254 0.1 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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

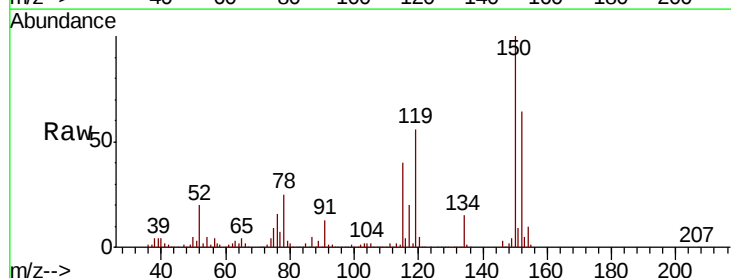
Tgt Ion:152 Resp: 347208

Ion Ratio Lower Upper

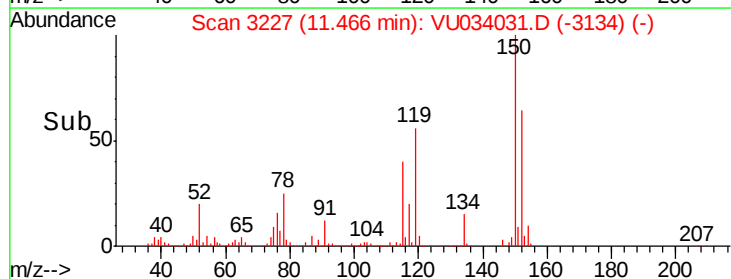
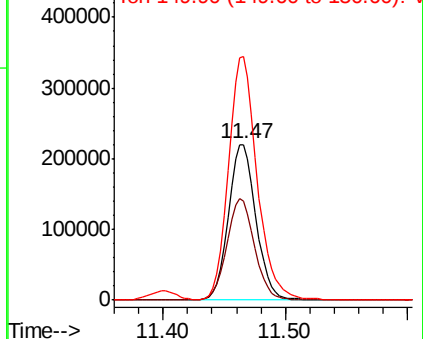
152 100

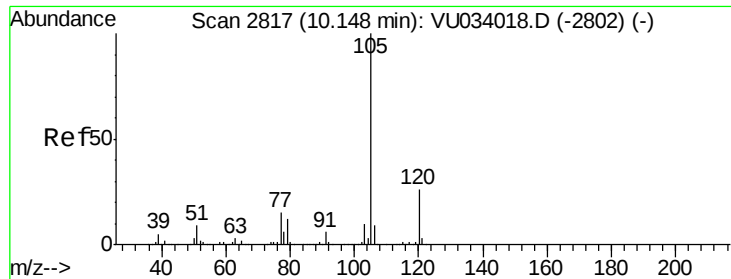
115 66.0 41.1 123.3

150 162.2 0.0 348.8



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: 18.910 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

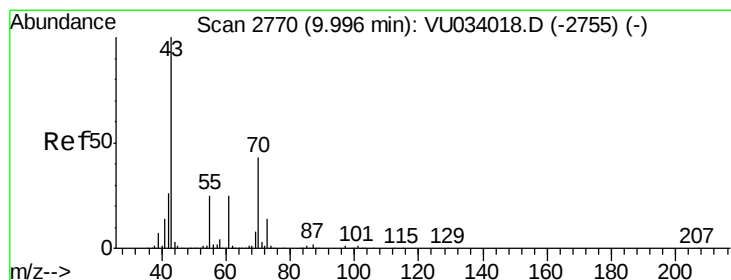
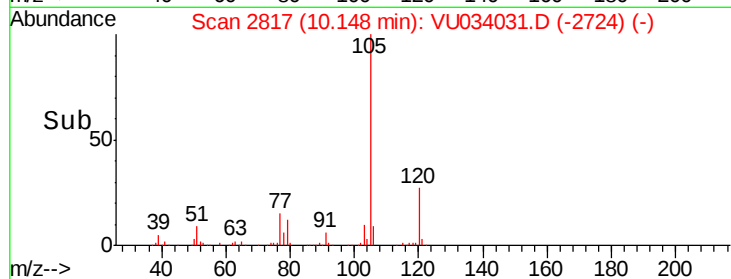
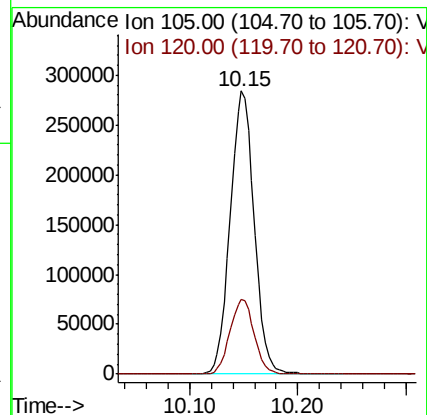
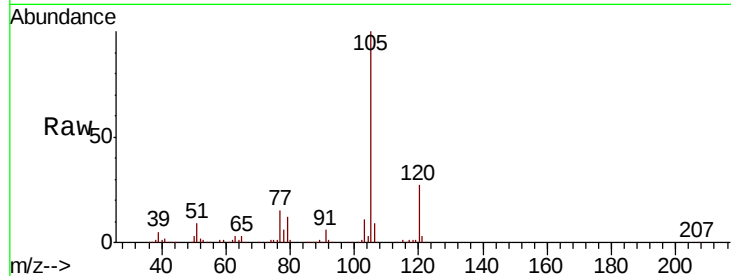
VU0829WBSD01

Tgt Ion: 105 Resp: 441025

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 18.602 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Tgt Ion: 43 Resp: 182466

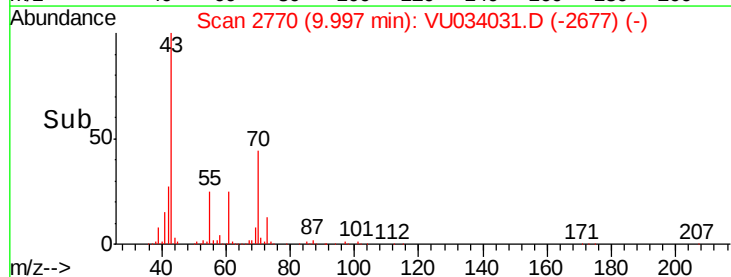
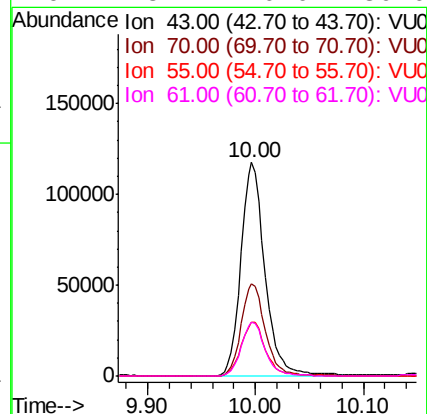
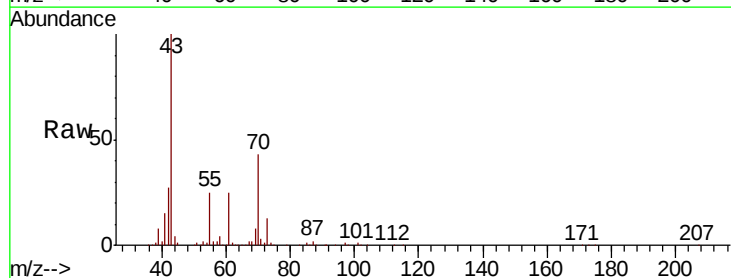
Ion Ratio Lower Upper

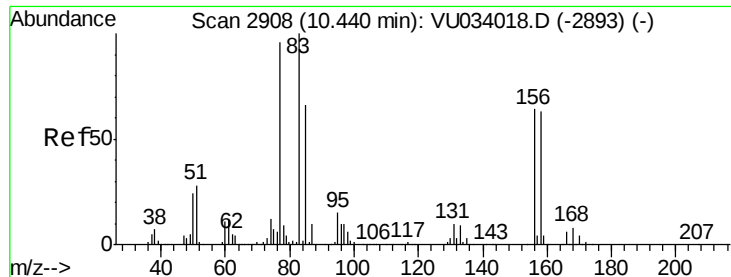
43 100

70 43.2 35.2 52.8

55 25.9 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.376 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

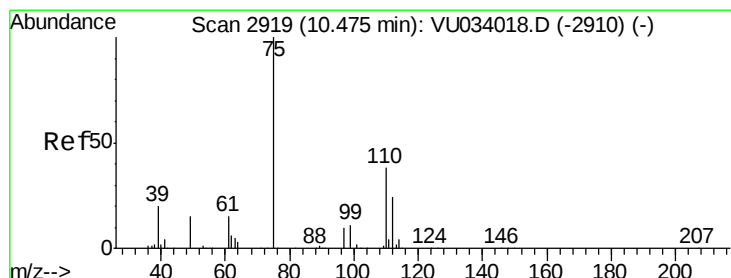
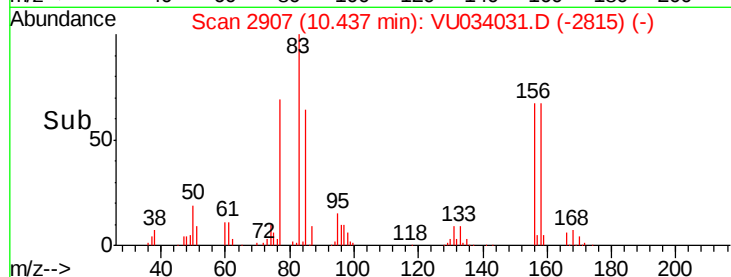
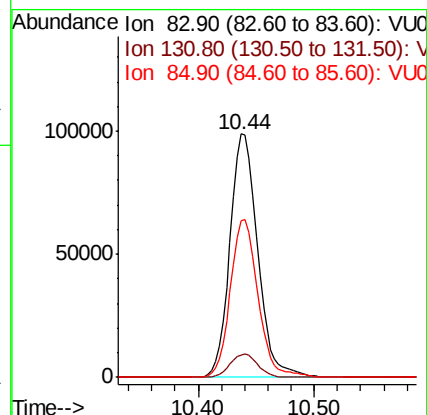
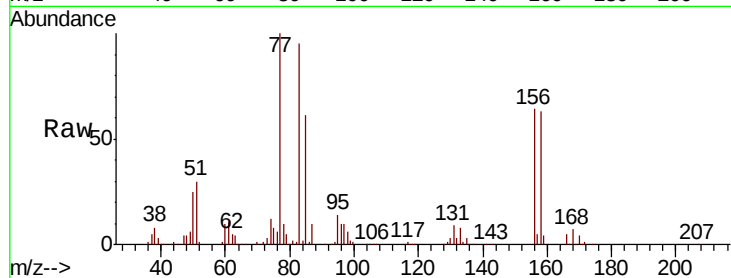
Tgt Ion: 83 Resp: 164027

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 64.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 20.180 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034031.D

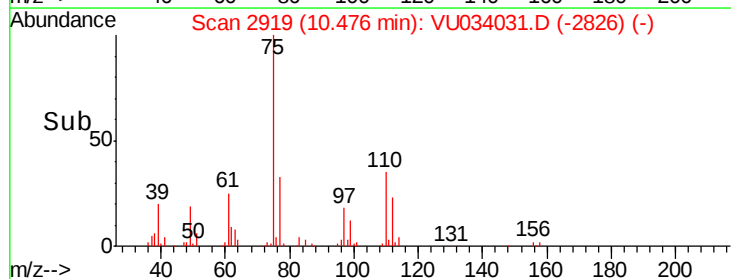
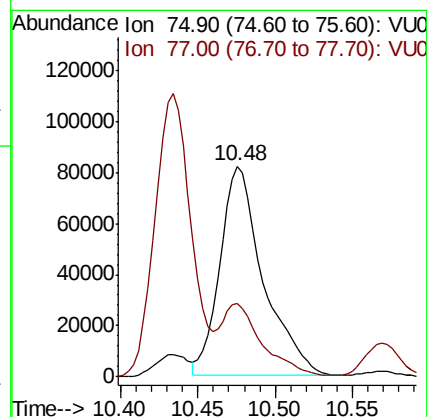
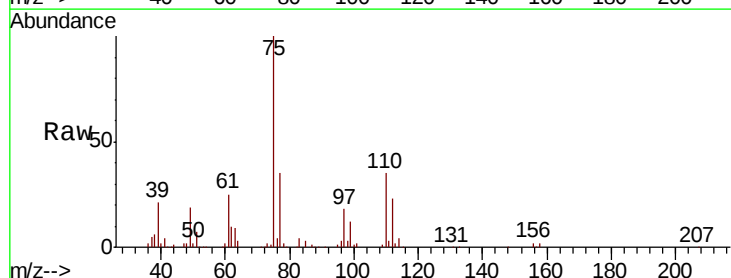
Acq: 28 Aug 2019 18:28

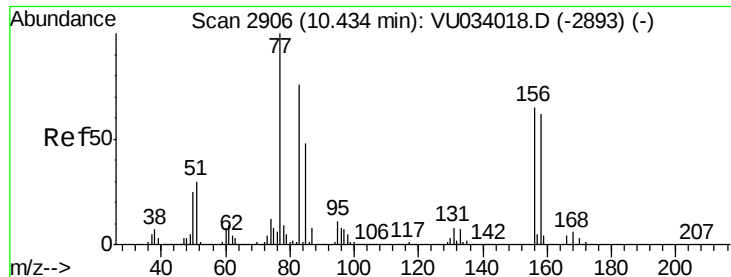
Tgt Ion: 75 Resp: 157917

Ion Ratio Lower Upper

75 100

77 31.7 20.1 60.2





#77

Bromobenzene

Concen: 18.247 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

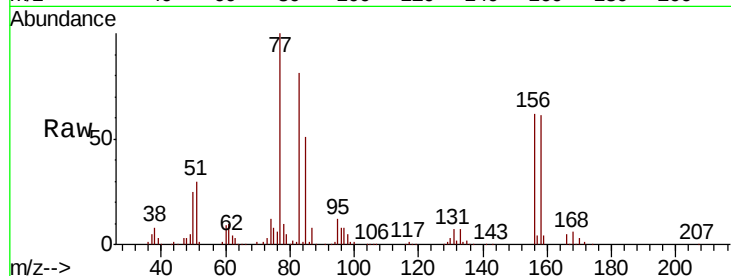
Tgt Ion:156 Resp: 114473

Ion Ratio Lower Upper

156 100

77 157.8 76.8 230.5

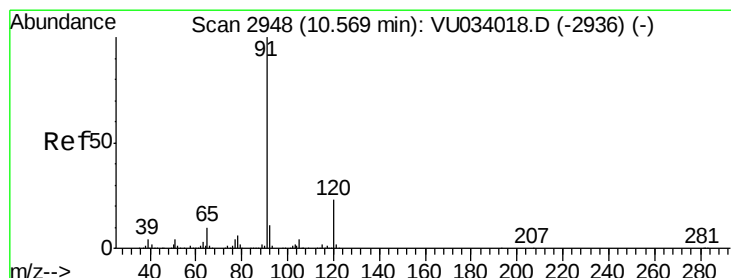
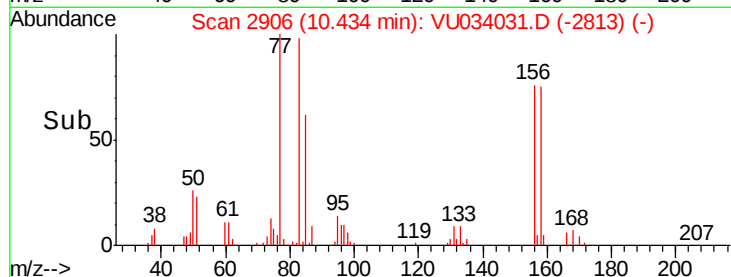
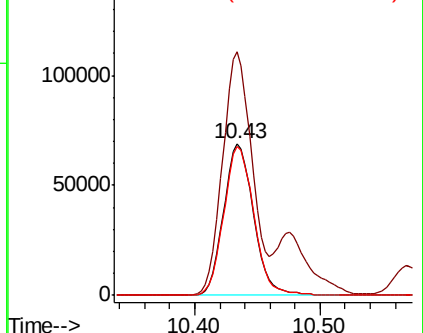
158 98.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.188 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034031.D

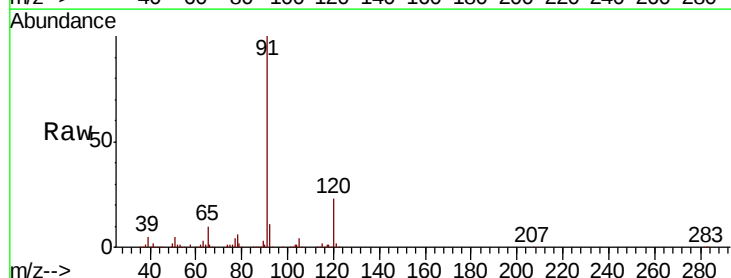
Acq: 28 Aug 2019 18:28

Tgt Ion: 91 Resp: 521142

Ion Ratio Lower Upper

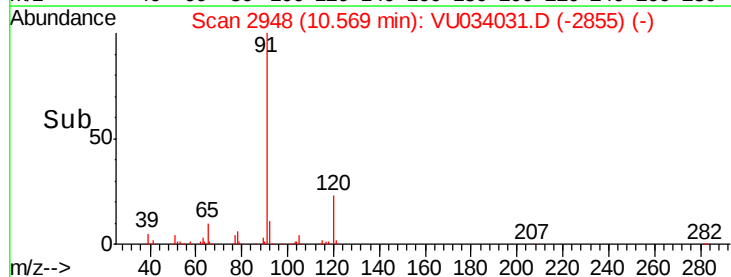
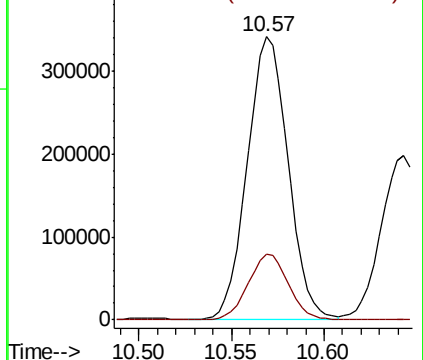
91 100

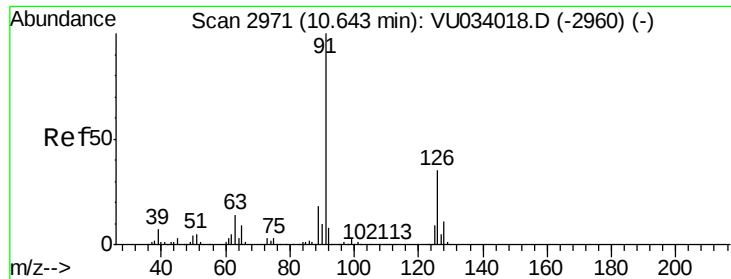
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.290 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

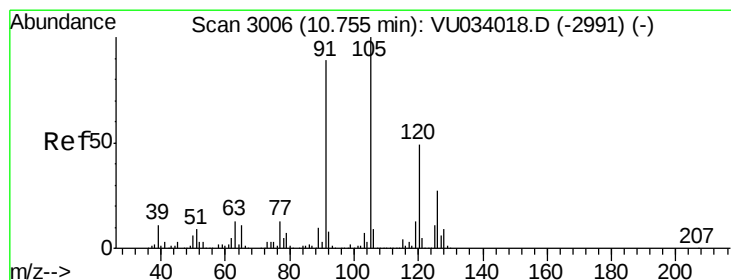
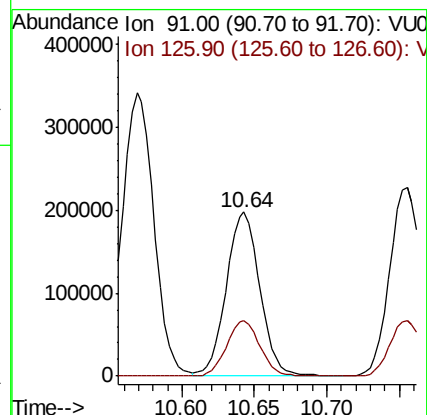
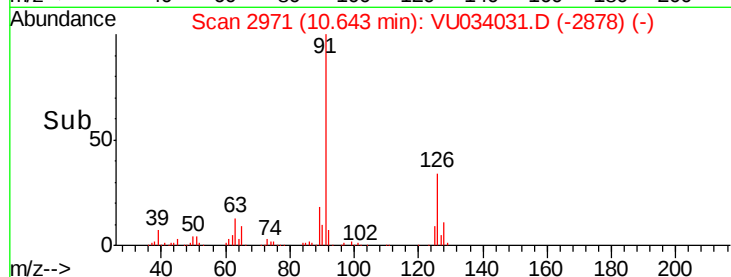
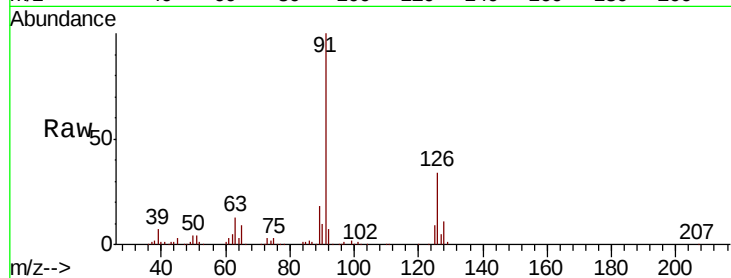
VU0829WBSD01

Tgt Ion: 91 Resp: 314259

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.756 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034031.D

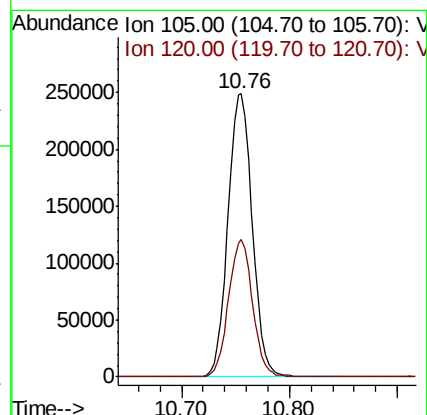
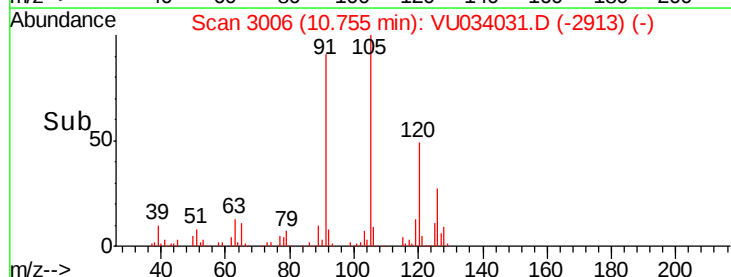
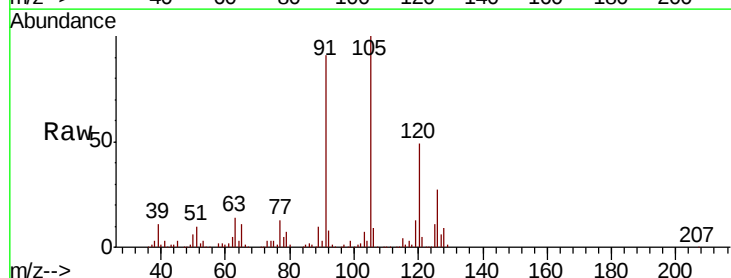
Acq: 28 Aug 2019 18:28

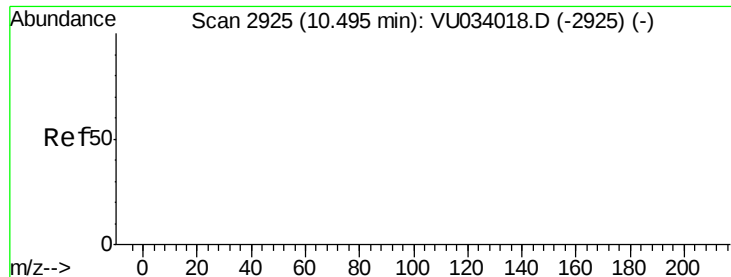
Tgt Ion: 105 Resp: 390502

Ion Ratio Lower Upper

105 100

120 48.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 68.079 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

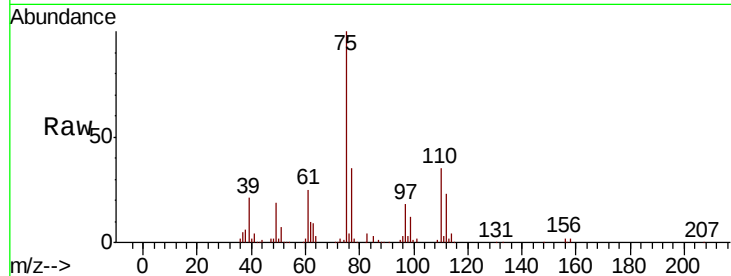
Tgt Ion: 75 Resp: 158215

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

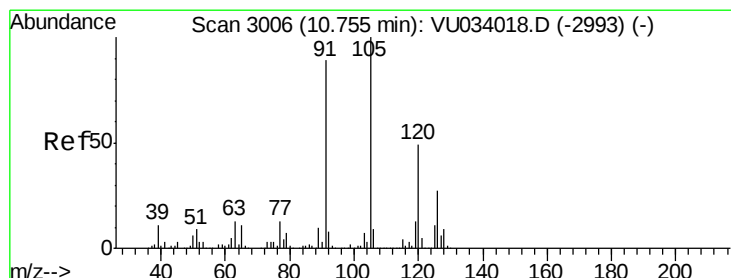
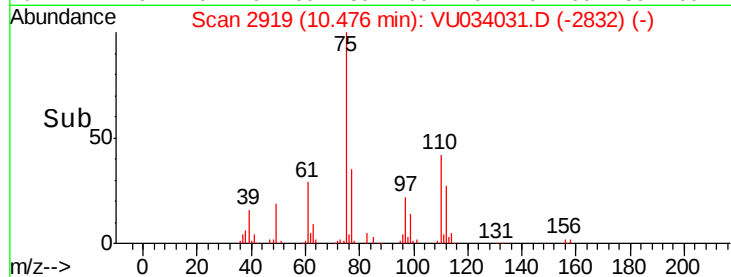
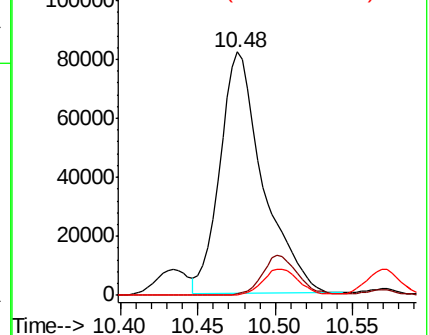
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2925) (-)

Ion 53.00 (52.70 to 53.70): VU034018.D (-2925) (-)

Ion 88.90 (88.60 to 89.60): VU034018.D (-2925) (-)



#82

4-Chlorotoluene

Concen: 19.098 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034031.D

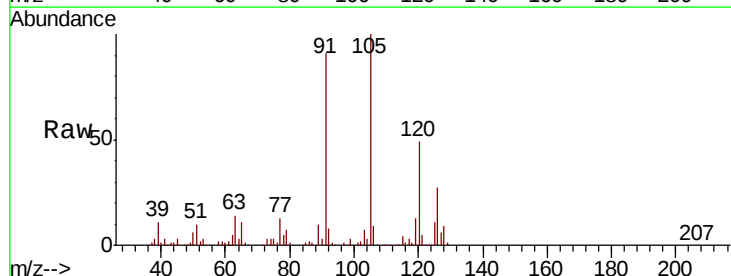
Acq: 28 Aug 2019 18:28

Tgt Ion: 91 Resp: 357816

Ion Ratio Lower Upper

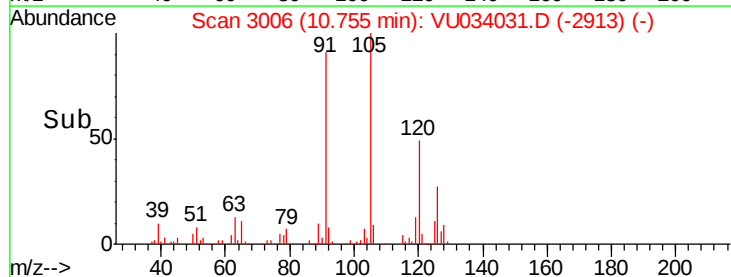
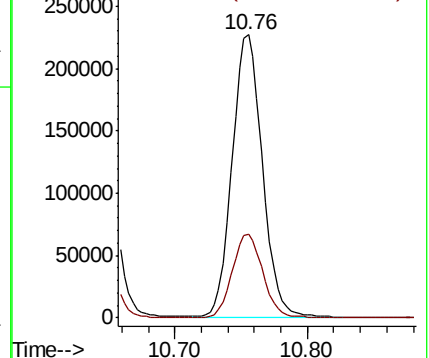
91 100

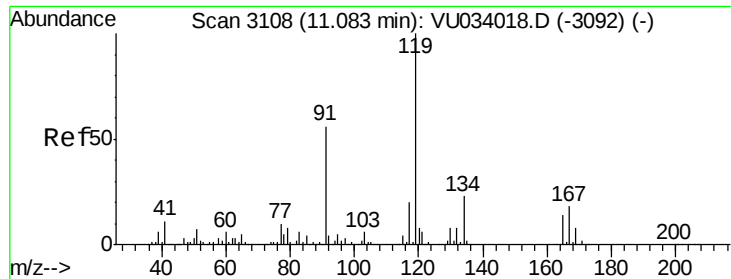
126 30.3 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2993) (-)

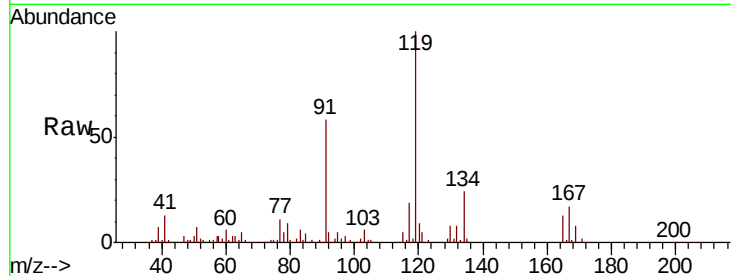




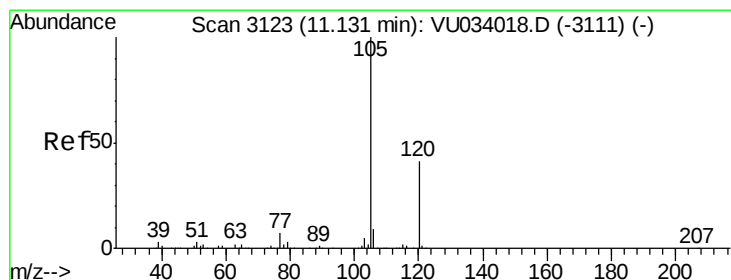
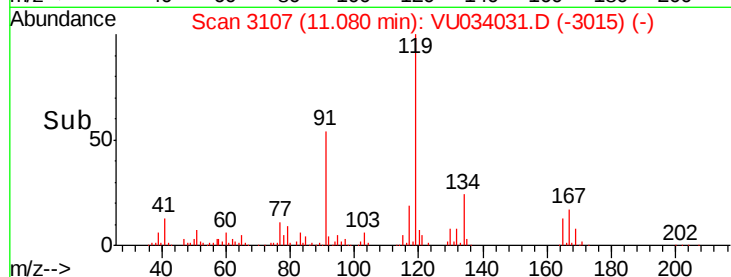
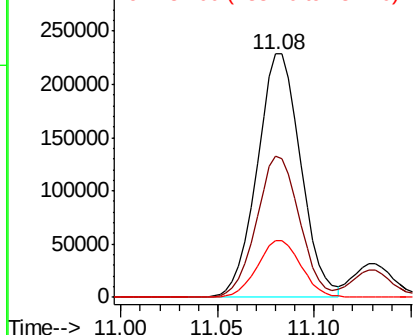
#83
 tert-Butylbenzene
 Concen: 18.442 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tgt Ion:119 Resp: 358856
 Ion Ratio Lower Upper
 119 100
 91 56.8 27.9 83.6
 134 23.4 11.4 34.2

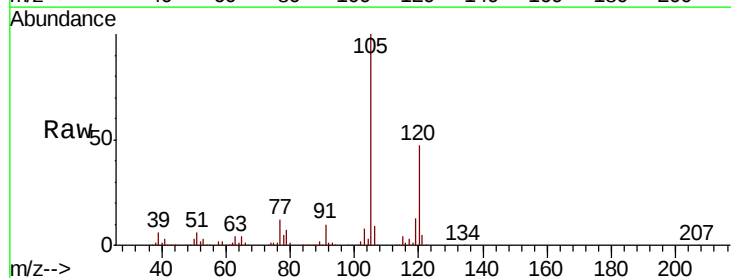


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

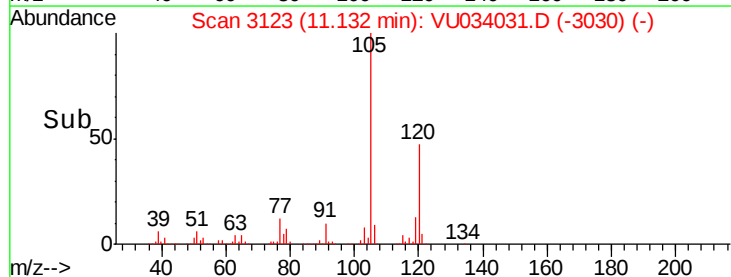
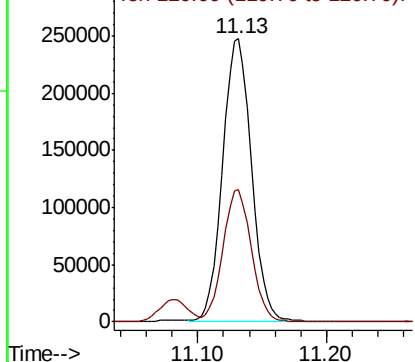


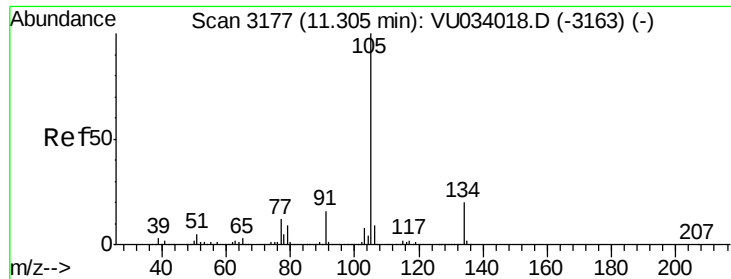
#84
 1,2,4-Trimethylbenzene
 Concen: 19.545 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion:105 Resp: 383636
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.8



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

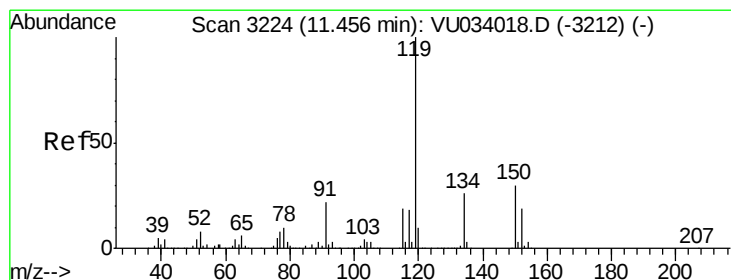
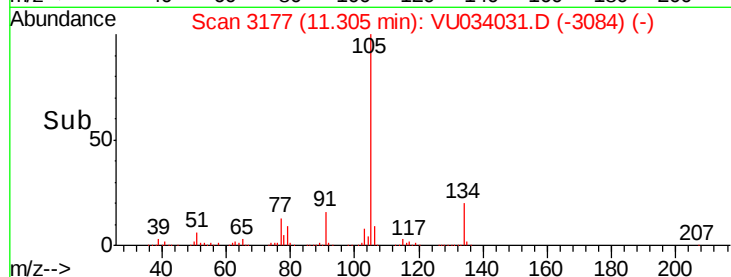
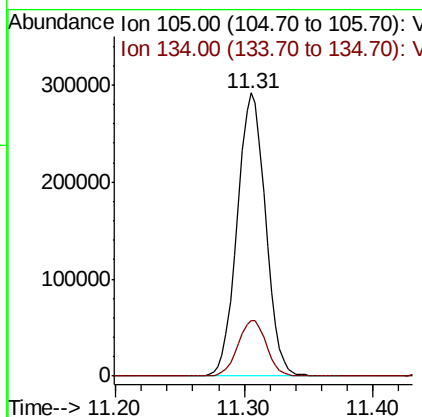
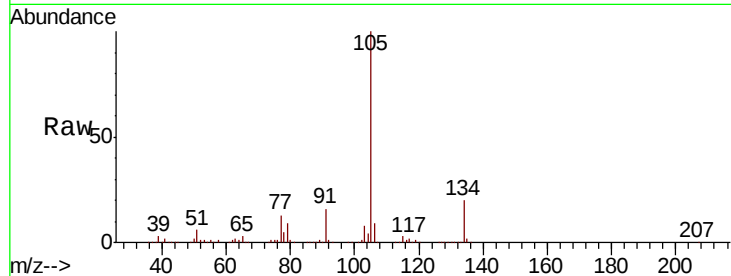




#85
 sec-Butylbenzene
 Concen: 19.026 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

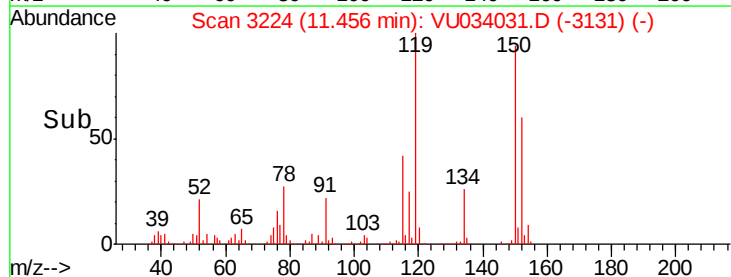
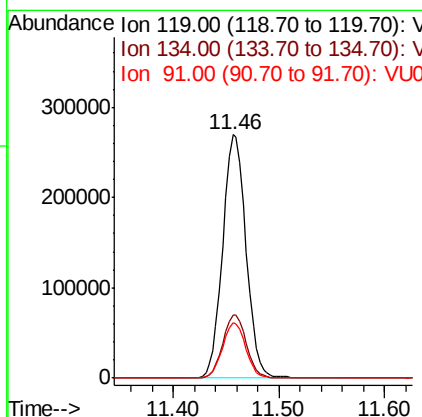
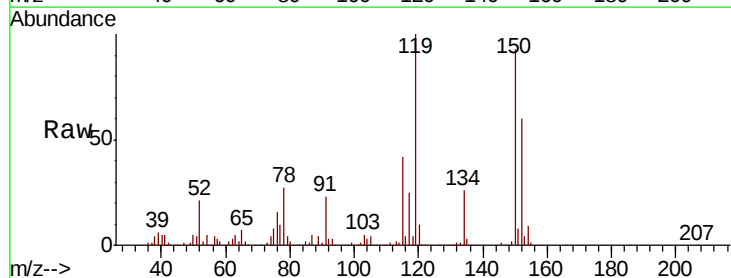
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

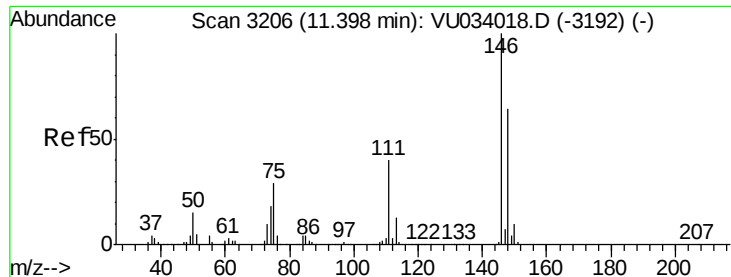
Tgt Ion:105 Resp: 443741
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 19.507 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion:119 Resp: 411467
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.1
 91 22.5 11.2 33.6

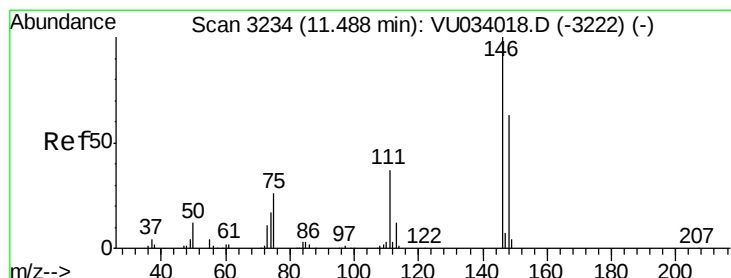
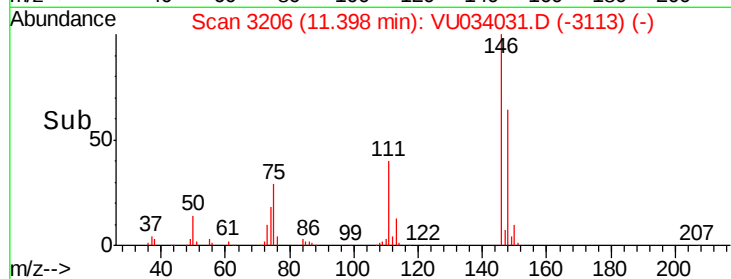
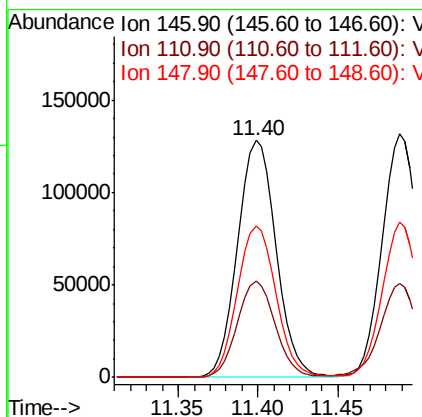
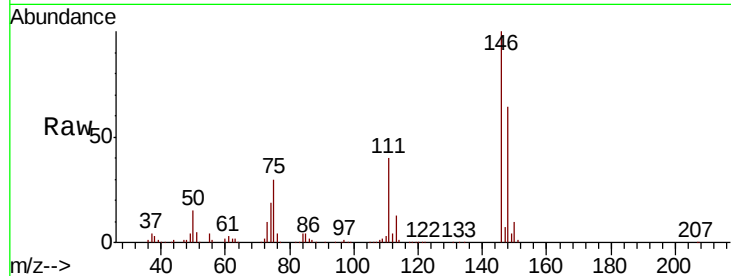




#87
 1,3-Dichlorobenzene
 Concen: 18.982 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

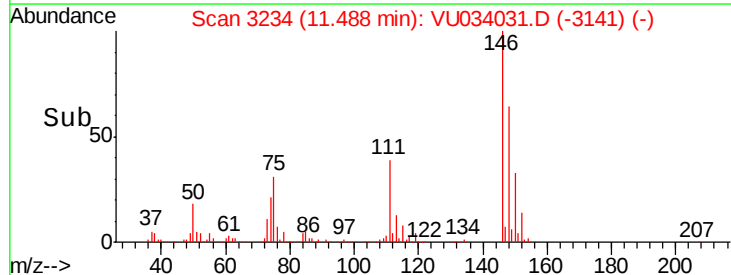
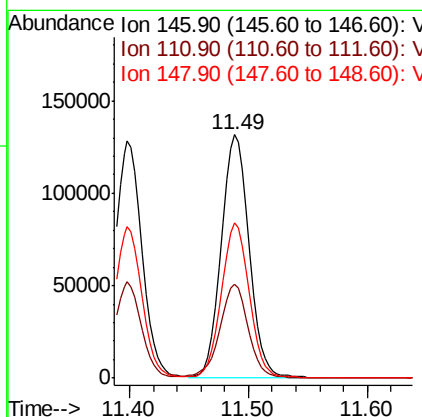
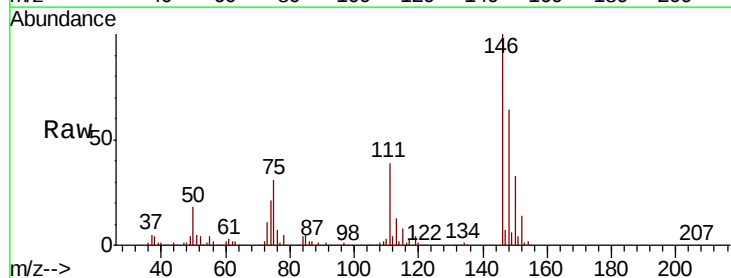
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

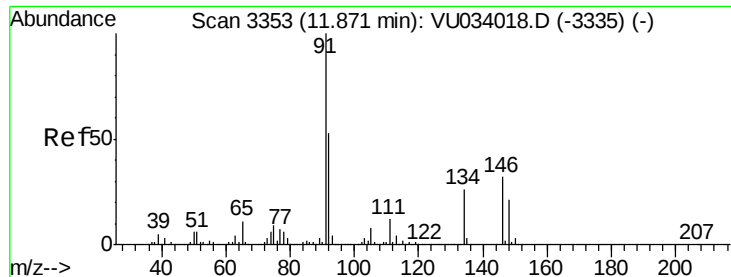
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.960 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	63.4	31.9	95.9

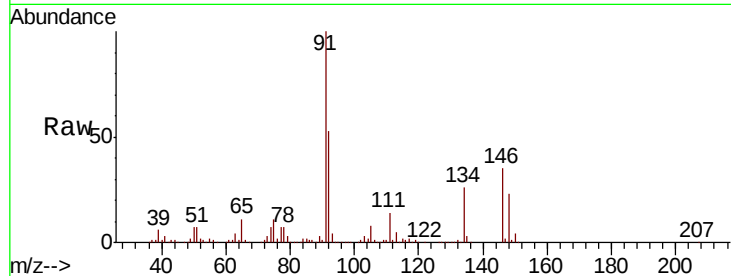




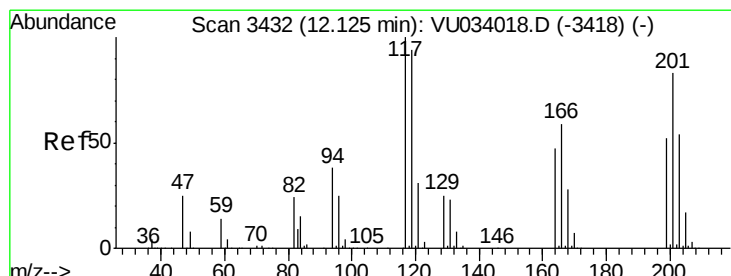
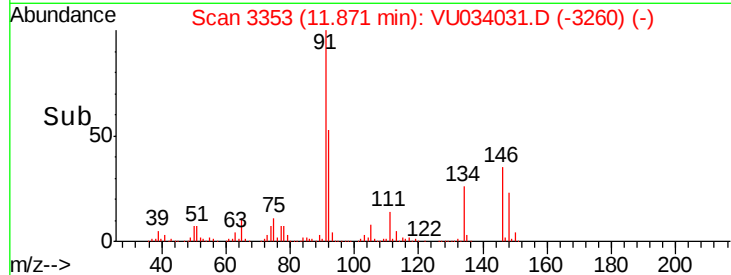
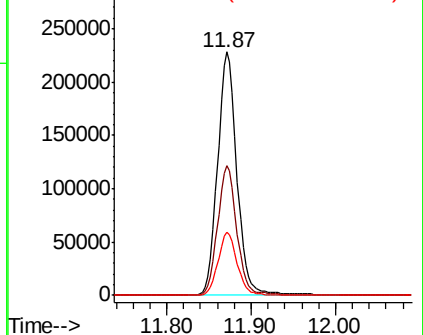
#89
n-Butylbenzene
Concen: 19.613 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tgt Ion: 91 Resp: 364737
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 25.6 12.9 38.7

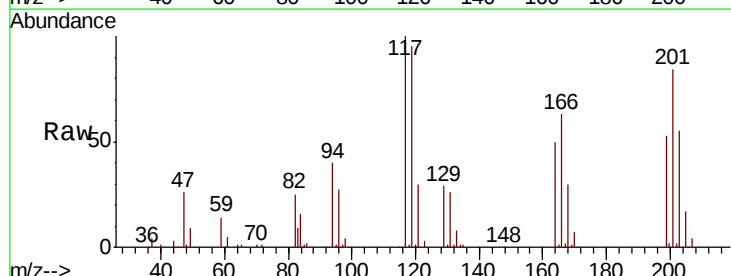


Abundance Ion 91.00 (90.70 to 91.70): VU034031.D (-3335) (-)
Ion 92.00 (91.70 to 92.70): VU034031.D (-3335) (-)
Ion 134.00 (133.70 to 134.70): VU034031.D (-3335) (-)

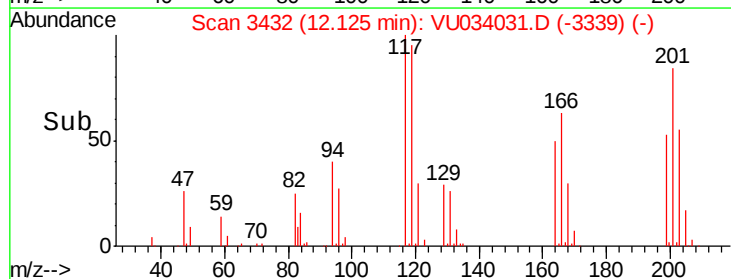
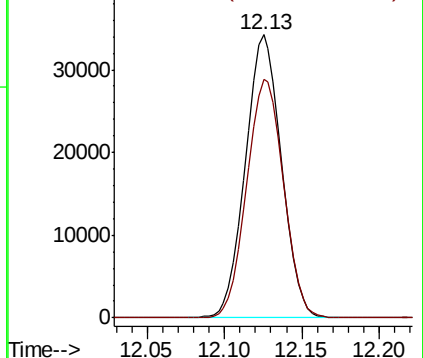


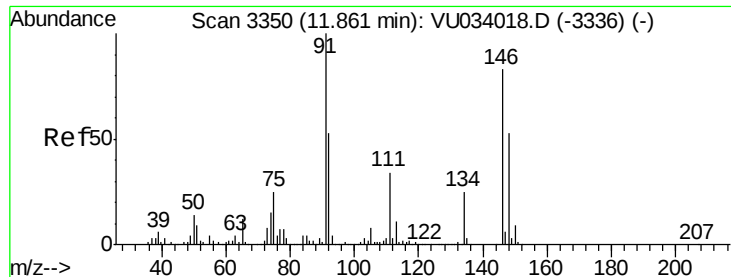
#90
Hexachloroethane
Concen: 15.258 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion: 117 Resp: 55645
Ion Ratio Lower Upper
117 100
201 86.2 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU034031.D (-3418) (-)
Ion 200.70 (200.40 to 201.40): VU034031.D (-3418) (-)





#91

1,2-Dichlorobenzene

Concen: 19.089 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBSD01

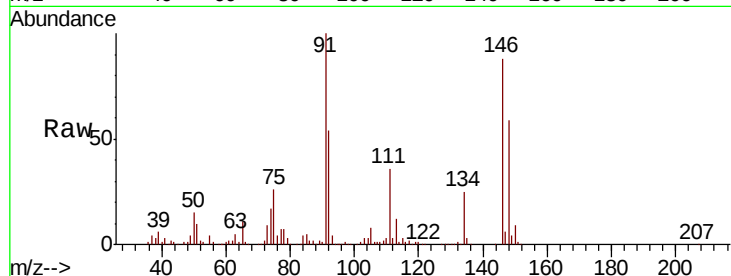
Tgt Ion:146 Resp: 203096

Ion Ratio Lower Upper

146 100

111 41.0 20.4 61.2

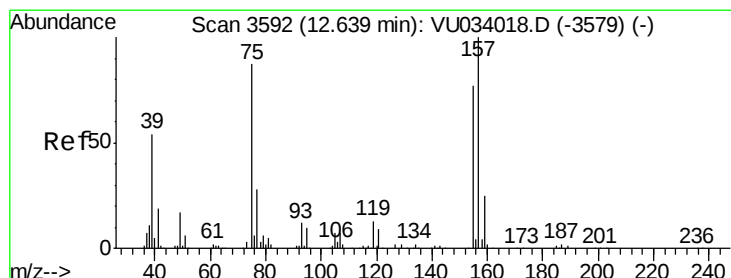
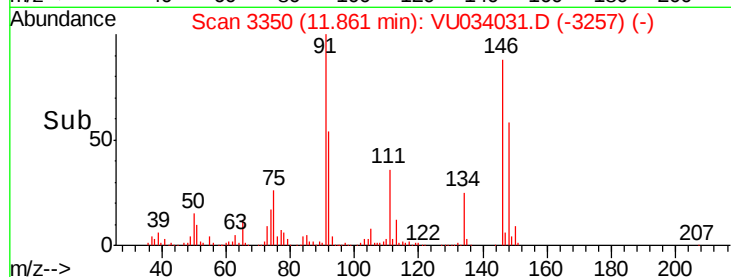
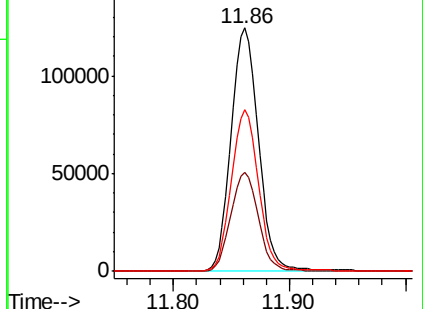
148 65.5 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.441 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034031.D

Acq: 28 Aug 2019 18:28

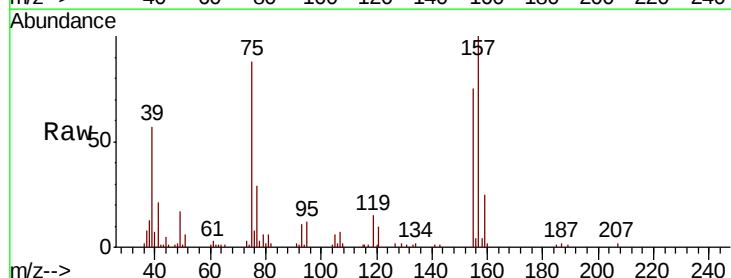
Tgt Ion: 75 Resp: 31015

Ion Ratio Lower Upper

75 100

155 87.3 43.5 130.7

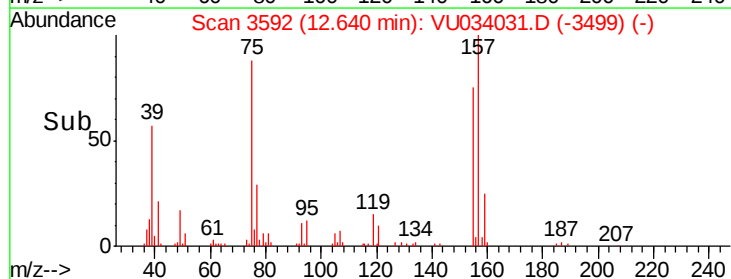
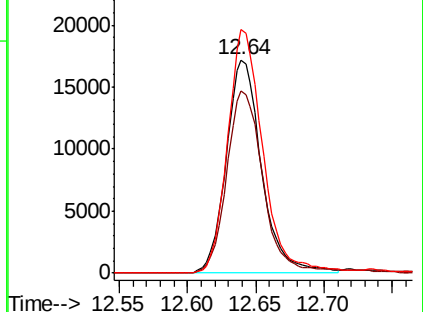
157 113.4 56.9 170.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

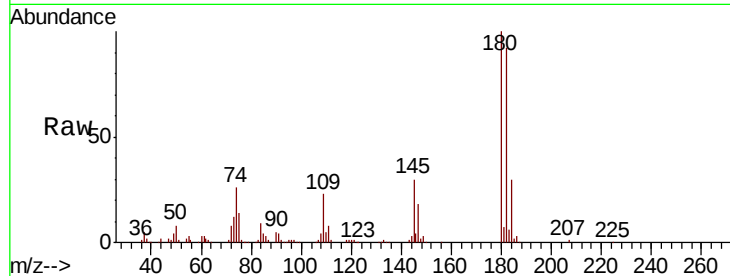




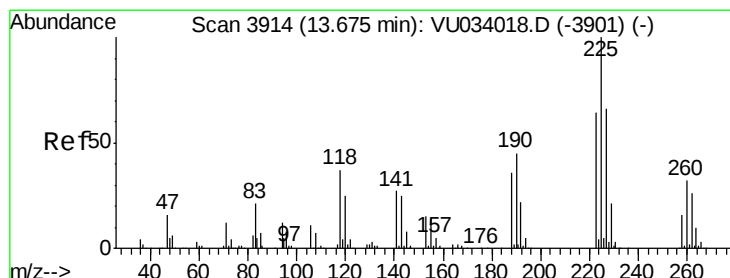
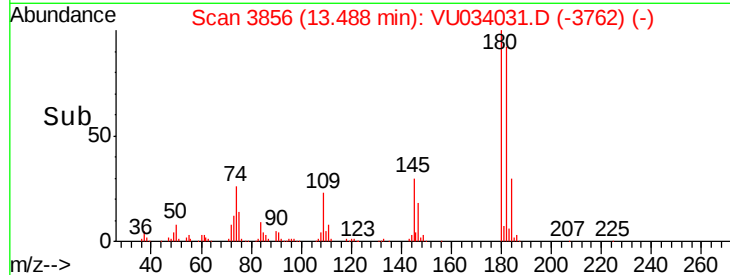
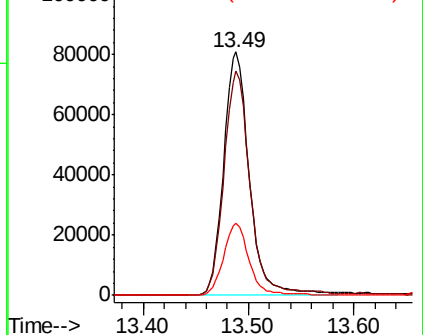
#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Tgt Ion:180 Resp: 137041
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.4 142.2
 145 28.9 14.1 42.3

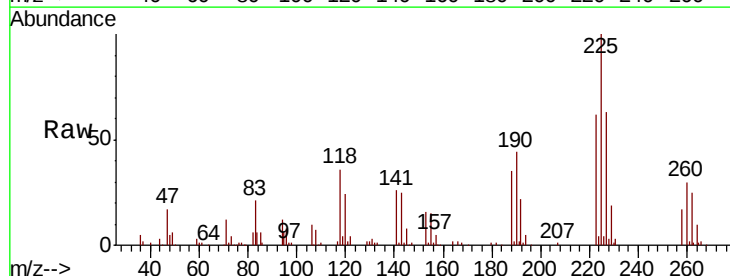


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

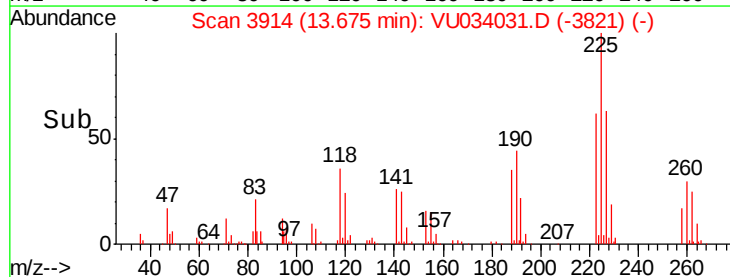
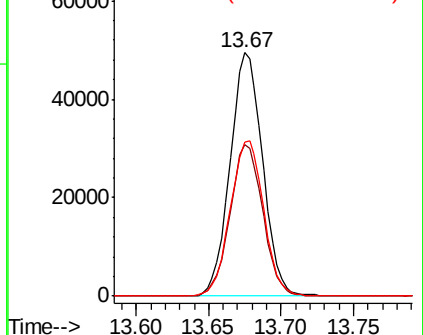


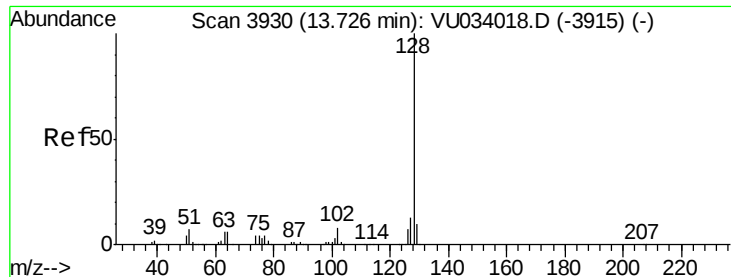
#94
 Hexachlorobutadiene
 Concen: 18.496 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034031.D
 Acq: 28 Aug 2019 18:28

Tgt Ion:225 Resp: 76981
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.8 95.3
 227 65.4 32.6 97.8



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

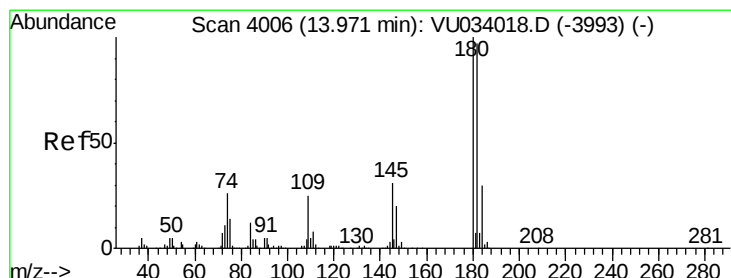
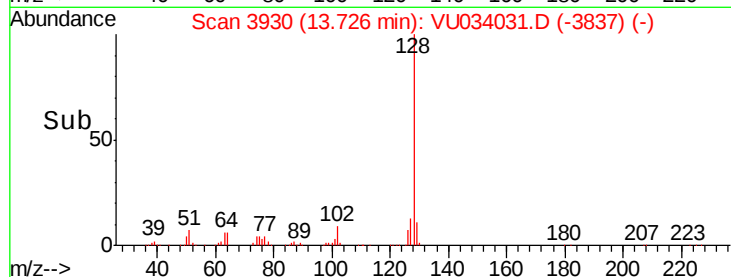
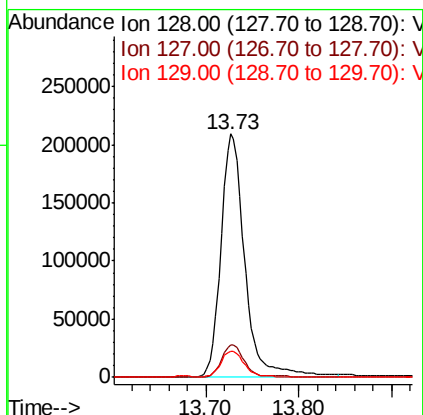
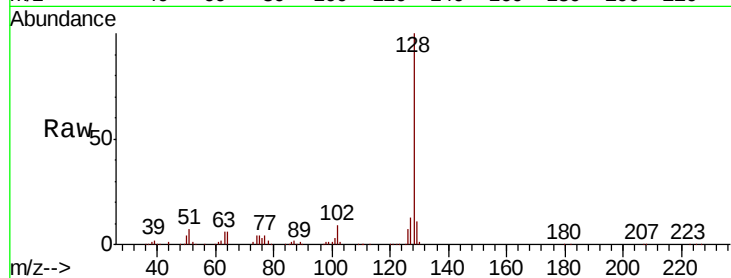




#95
Naphthalene
Concen: 18.558 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBSD01

Tgt Ion:128 Resp: 376893
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.294 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034031.D
Acq: 28 Aug 2019 18:28

Tgt Ion:180 Resp: 138313
Ion Ratio Lower Upper
180 100
182 95.9 48.2 144.6
145 30.4 15.5 46.5

