

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034059.D
 Acq On : 29 Aug 2019 14:07
 Operator : JC/SP
 Sample : VU0830MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 15:55:12 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	403283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	651283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	626581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	338226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	263324	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.86	113	222641	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.55	98	857073	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	10.29	95	316501	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85534	21.089	ug/l	99
3) Chloromethane	1.32	50	105668	18.177	ug/l	99
4) Vinyl Chloride	1.40	62	109567	20.297	ug/l	98
5) Bromomethane	1.62	94	56000	17.812	ug/l	97
6) Chloroethane	1.69	64	65346	19.801	ug/l	100
7) Trichlorofluoromethane	1.88	101	129248	20.664	ug/l	98
8) Diethyl Ether	2.09	74	55923	20.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80221	20.245	ug/l	99
10) Methyl Iodide	2.40	142	54869	9.761	ug/l	98
11) Tert butyl alcohol	2.81	59	103240	86.637	ug/l	99
12) 1,1-Dichloroethene	2.27	96	80929	20.046	ug/l	98
13) Acrolein	2.18	56	39751	79.298	ug/l	99
14) Allyl chloride	2.58	41	134588	17.731	ug/l	93
15) Acrylonitrile	2.92	53	277008	101.304	ug/l	100
16) Acetone	2.31	43	240182	91.094	ug/l	100
17) Carbon Disulfide	2.47	76	245740	19.232	ug/l	99
18) Methyl Acetate	2.60	43	131581	19.312	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	268402	20.290	ug/l	99
20) Methylene Chloride	2.69	84	99766	19.987	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	89051	20.324	ug/l	98
22) Diisopropyl ether	3.55	45	291500	20.957	ug/l	93
23) Vinyl Acetate	3.50	43	1212192	101.450	ug/l	99
24) 1,1-Dichloroethane	3.43	63	170961	20.818	ug/l	99
25) 2-Butanone	4.24	43	359879	98.106	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129932	19.445	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	100113	20.356	ug/l	98
28) Bromochloromethane	4.52	49	83667	20.680	ug/l	100
29) Tetrahydrofuran	4.62	42	230873	102.056	ug/l	99
30) Chloroform	4.65	83	165406	20.188	ug/l	99
31) Cyclohexane	4.97	56	150423	19.494	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	136866	20.396	ug/l	99
36) 1,1-Dichloropropene	5.12	75	119958	19.473	ug/l	100
37) Ethyl Acetate	4.36	43	132429	19.197	ug/l	99
38) Carbon Tetrachloride	5.11	117	116270	19.553	ug/l	96

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 ClientSampleId :

Quant Time: Aug 29 15:55:12 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)
39) Methylcyclohexane	6.40	83	136441	18.792	ug/l	97
40) Benzene	5.37	78	375850	20.165	ug/l	100
41) Methacrylonitrile	4.52	41	71424	20.188	ug/l	98
42) 1,2-Dichloroethane	5.38	62	130642	20.298	ug/l	98
43) Isopropyl Acetate	5.53	43	197241	18.794	ug/l	99
44) Trichloroethene	6.17	130	97139	19.847	ug/l	99
45) 1,2-Dichloropropane	6.41	63	102906	20.057	ug/l	99
46) Dibromomethane	6.54	93	65119	19.700	ug/l	99
47) Bromodichloromethane	6.74	83	125244	19.366	ug/l	99
48) Methyl methacrylate	6.60	41	94978	18.754	ug/l	100
49) 1,4-Dioxane	6.59	88	42660	336.196	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	687365	94.837	ug/l	100
52) Toluene	7.62	92	234264	20.403	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	132770	18.502	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151406	19.313	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95084	19.578	ug/l	99
56) Ethyl methacrylate	8.00	69	130930	16.909	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161491	19.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	228612	85.087	ug/l	100
59) 2-Hexanone	8.34	43	514510	94.035	ug/l	98
60) Dibromochloromethane	8.46	129	97131	18.632	ug/l	99
61) 1,2-Dibromoethane	8.57	107	96788	18.919	ug/l	99
64) Tetrachloroethene	8.21	164	89298	21.221	ug/l	97
65) Chlorobenzene	9.10	112	253685	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88138	18.850	ug/l	98
67) Ethyl Benzene	9.23	91	423044	19.354	ug/l	99
68) m/p-Xylenes	9.36	106	328324	39.504	ug/l	99
69) o-Xylene	9.76	106	153718	19.278	ug/l	98
70) Styrene	9.77	104	270833	19.810	ug/l	100
71) Bromoform	9.94	173	72778	17.915	ug/l #	98
73) Isopropylbenzene	10.15	105	420505	18.509	ug/l	99
74) N-amyl acetate	10.00	43	166822	17.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.44	83	157088	18.066	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	171190	22.457	ug/l	86
77) Bromobenzene	10.43	156	114143	18.677	ug/l	99
78) n-propylbenzene	10.57	91	498435	18.839	ug/l	99
79) 2-Chlorotoluene	10.64	91	303232	19.108	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	372729	19.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	171190	75.618	ug/l #	100
82) 4-Chlorotoluene	10.76	91	350721	19.216	ug/l	99
83) tert-Butylbenzene	11.08	119	341609	18.022	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	367452	19.218	ug/l	98
85) sec-Butylbenzene	11.31	105	426164	18.758	ug/l	100
86) p-Isopropyltoluene	11.46	119	392012	19.078	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	203721	18.829	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	209144	19.114	ug/l	99
89) n-Butylbenzene	11.87	91	339137	18.720	ug/l	99
90) Hexachloroethane	12.12	117	57962	16.316	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	199119	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31258	18.044	ug/l	97

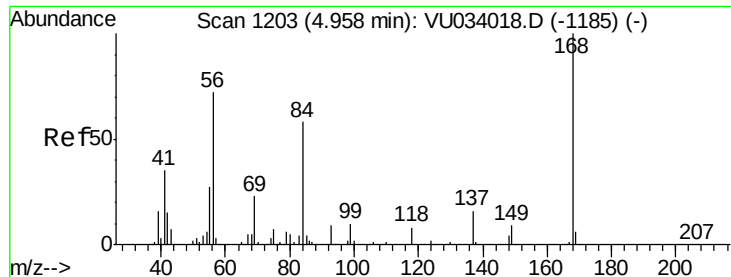
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Quant Time: Aug 29 15:55:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	126228	17.855	ug/l	99
94) Hexachlorobutadiene	13.67	225	74749	18.437	ug/l	98
95) Naphthalene	13.73	128	324965	16.632	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124734	18.788	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

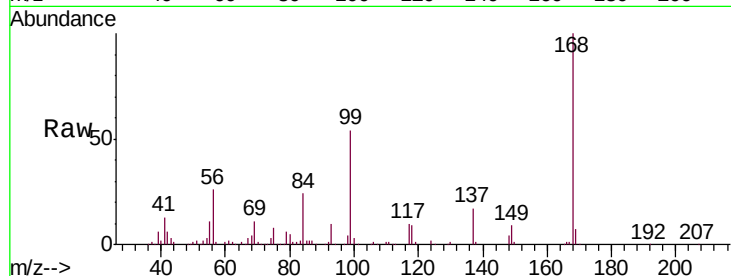
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 403283

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

150000

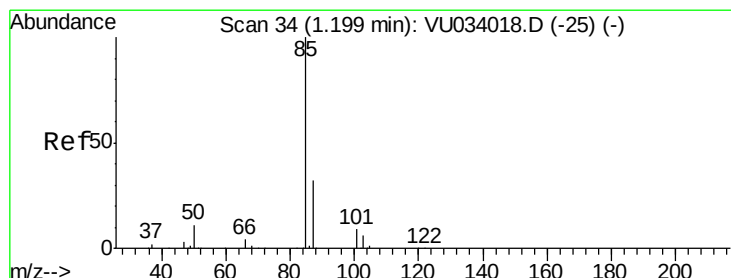
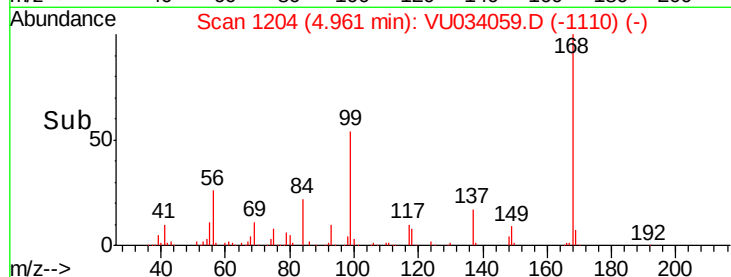
100000

50000

0

4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.089 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034059.D

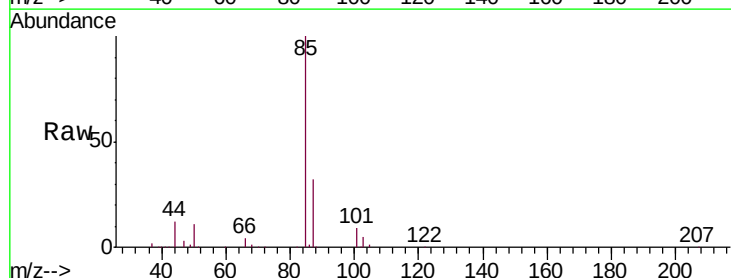
Acq: 29 Aug 2019 14:07

Tgt Ion: 85 Resp: 85534

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

100000

80000

60000

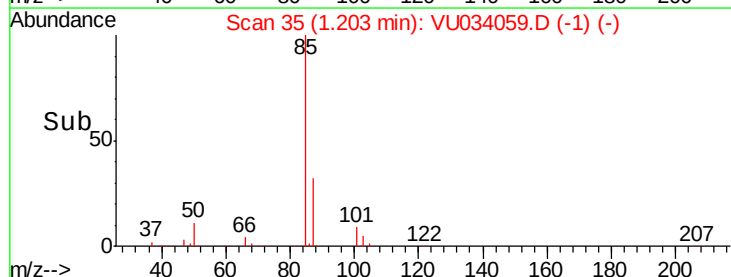
40000

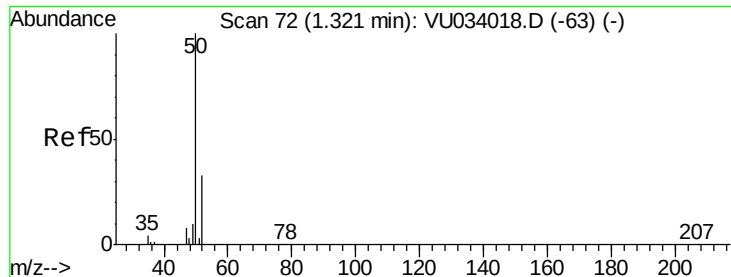
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.177 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

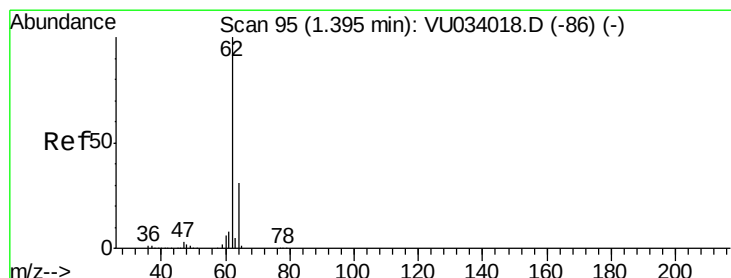
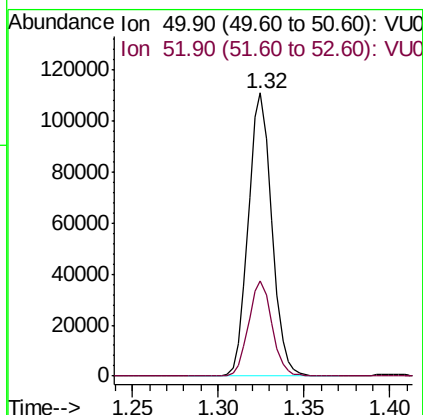
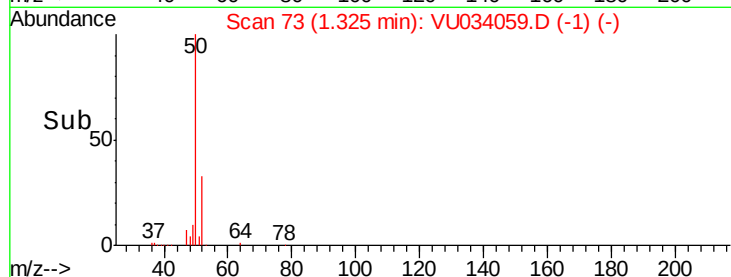
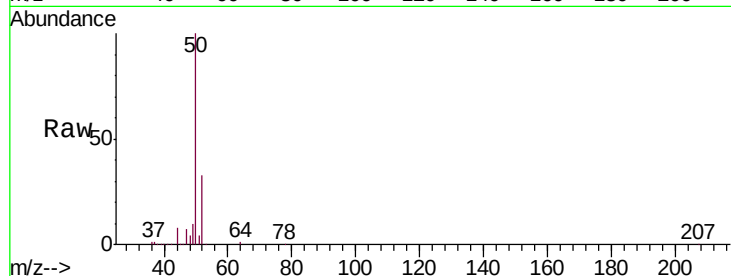
ClientSampled :

Tot Ion: 50 Resp: 105668

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.4



#4

Vinyl Chloride

Concen: 20.297 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034059.D

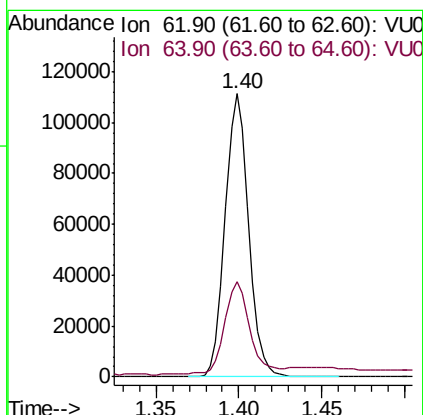
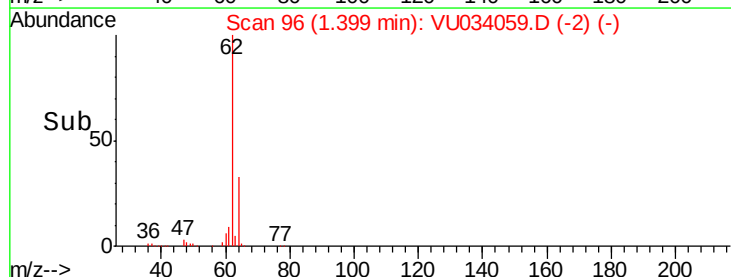
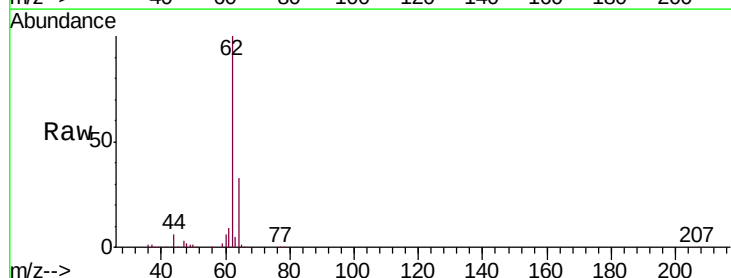
Acq: 29 Aug 2019 14:07

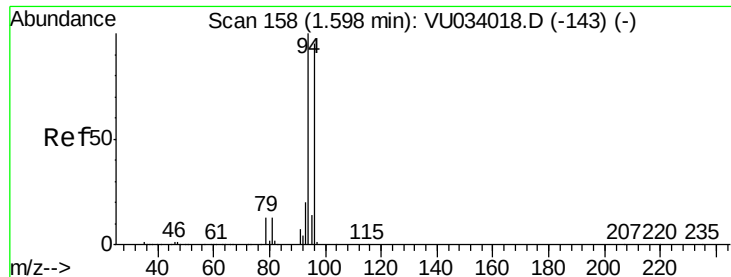
Tgt Ion: 62 Resp: 109567

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 17.812 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

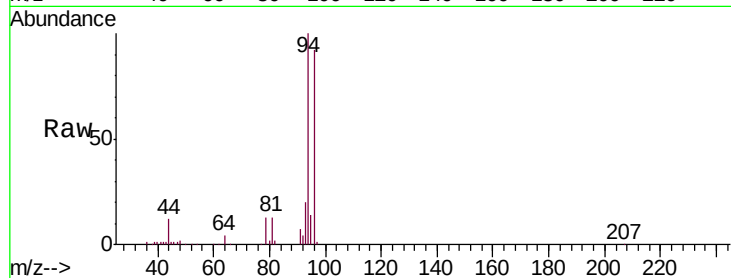
ClientSampleId :

Tot Ion: 94 Resp: 56000

Ion Ratio Lower Upper

94 100

96 92.2 76.3 114.5

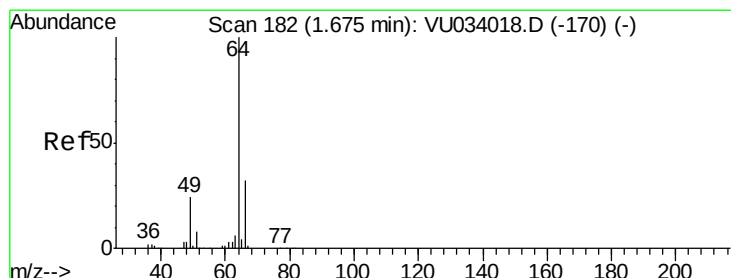
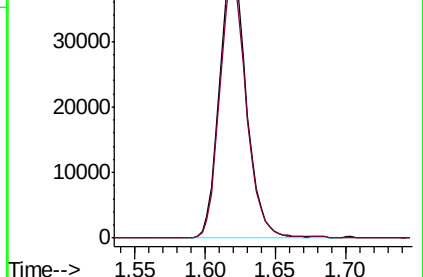
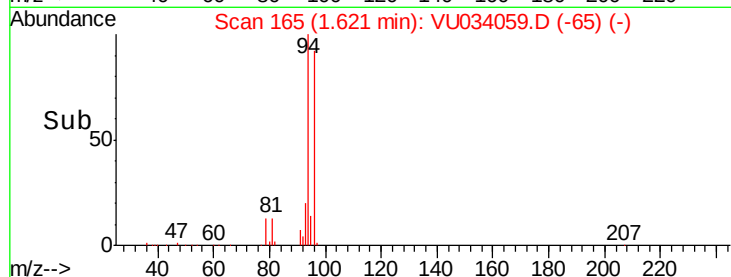


Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034059.D (-65) (-)

1.62

Time-->



#6

Chloroethane

Concen: 19.801 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034059.D

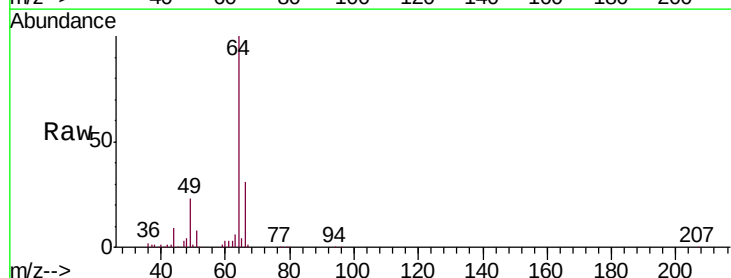
Acq: 29 Aug 2019 14:07

Tgt Ion: 64 Resp: 65346

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3

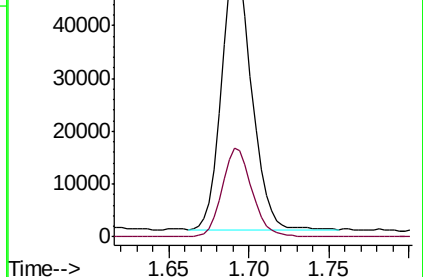
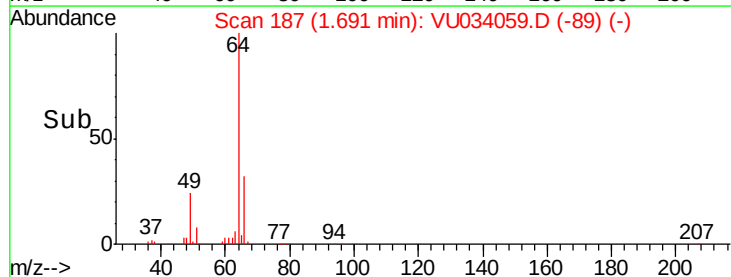


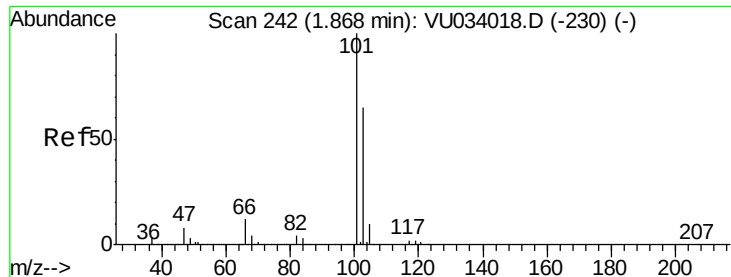
Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034059.D (-89) (-)

1.69

Time-->



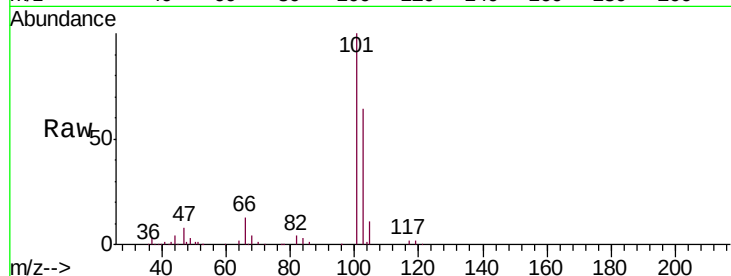


#7

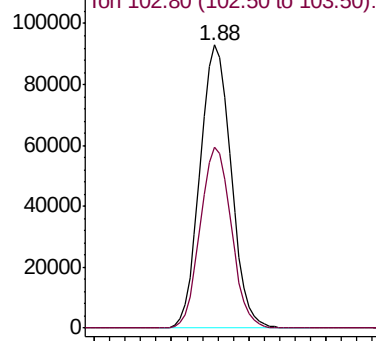
Trichlorofluoromethane
Concen: 20.664 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :

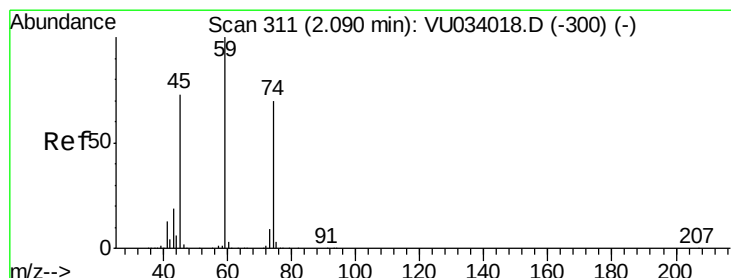
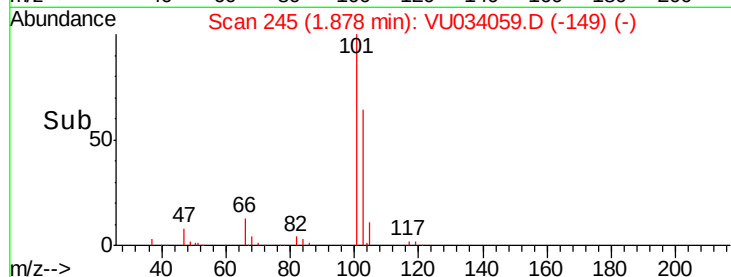
Tot Ion:101 Resp: 129248
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1



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



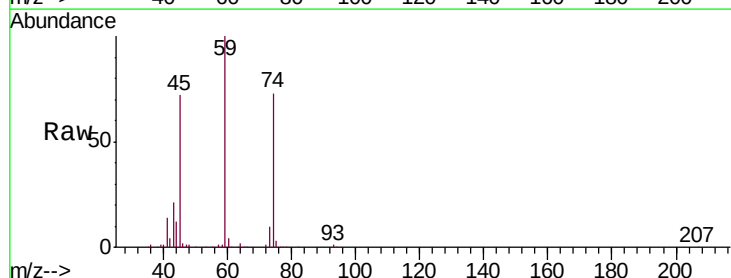
Time--> 1.80 1.85 1.90 1.95



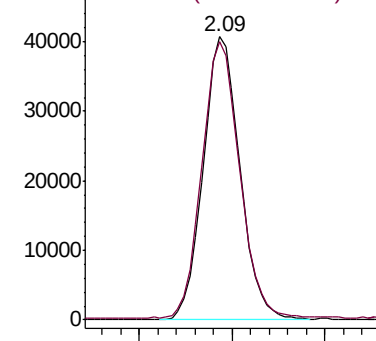
#8

Diethyl Ether
Concen: 20.900 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

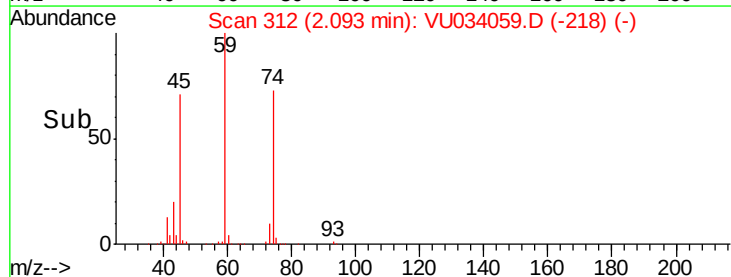
Tgt Ion: 74 Resp: 55923
Ion Ratio Lower Upper
74 100
45 100.1 51.8 155.5

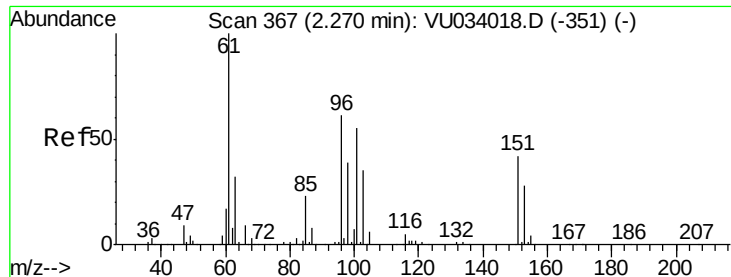


Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0



Time--> 2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.245 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

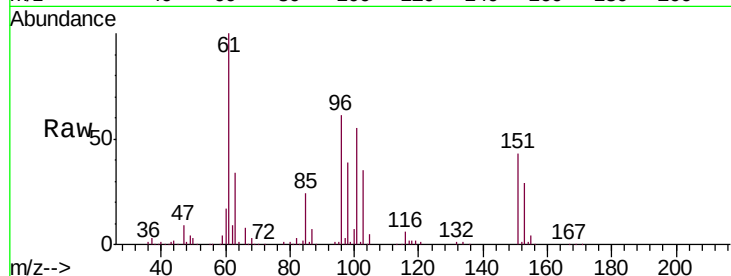
Tot Ion:101 Resp: 80221

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.2

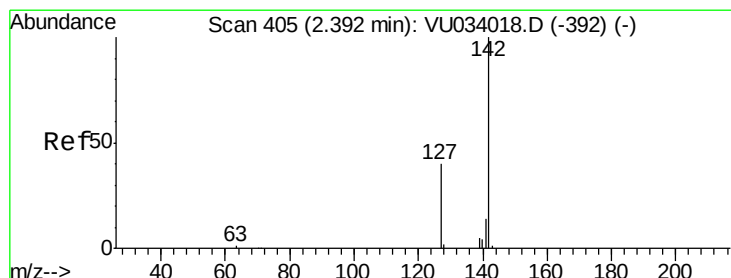
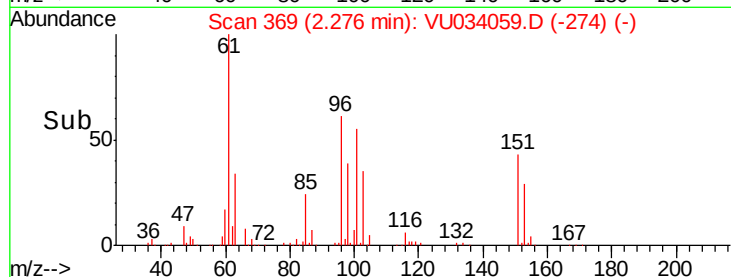
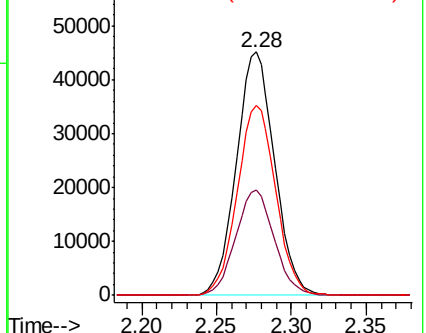
151 78.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.761 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

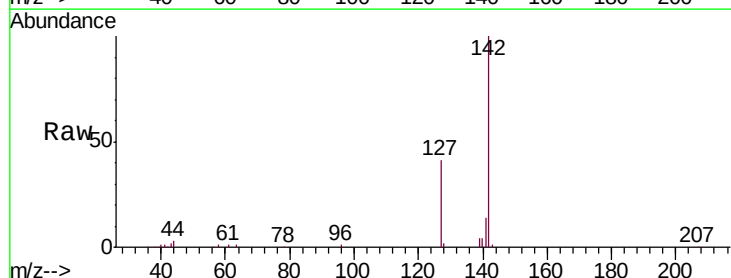
Tgt Ion:142 Resp: 54869

Ion Ratio Lower Upper

142 100

127 41.5 32.6 48.8

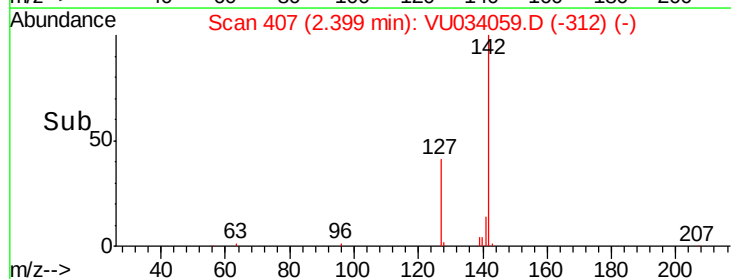
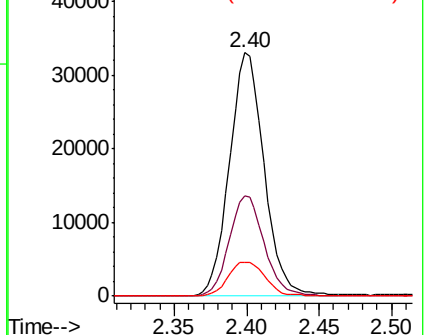
141 15.0 11.3 16.9

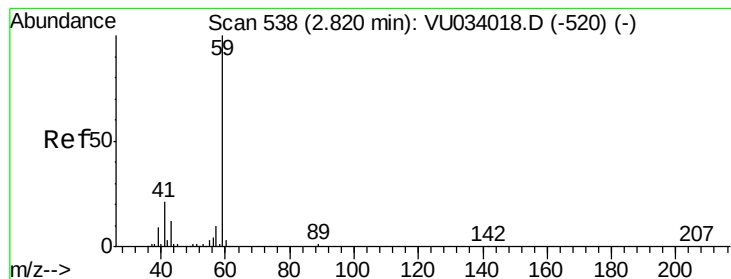


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.637 ug/l

RT: 2.81 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

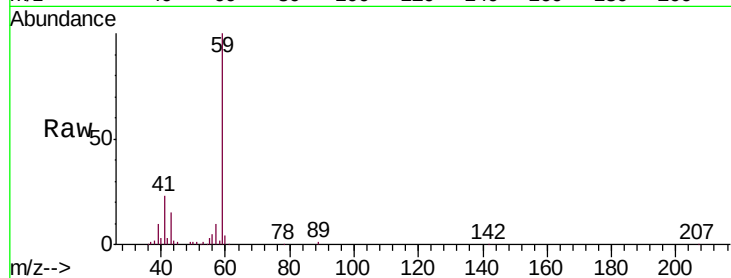
ClientSampled :

Tot Ion: 59 Resp: 103240

Ion Ratio Lower Upper

59 100

57 9.7 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU034018.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034018.D (-520) (-)

2.81

50000

40000

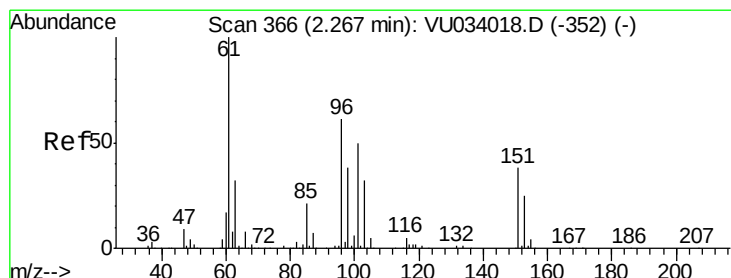
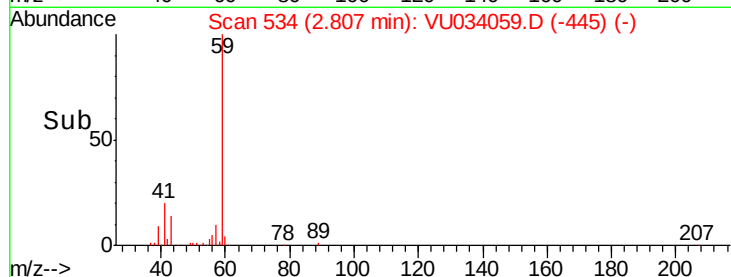
30000

20000

10000

0

Time--> 2.70 2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 20.046 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

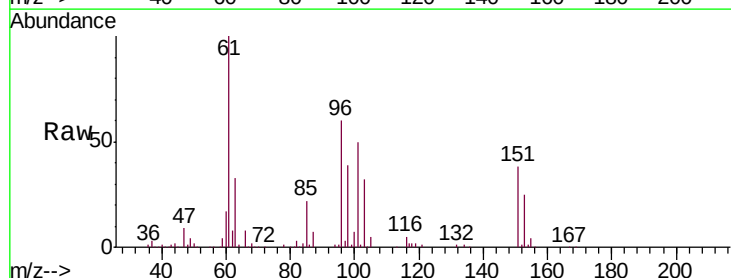
Tgt Ion: 96 Resp: 80929

Ion Ratio Lower Upper

96 100

61 166.0 131.3 196.9

98 64.9 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU034018.D (-352) (-)

Ion 60.90 (60.60 to 61.60): VU034018.D (-352) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-352) (-)

120000

100000

80000

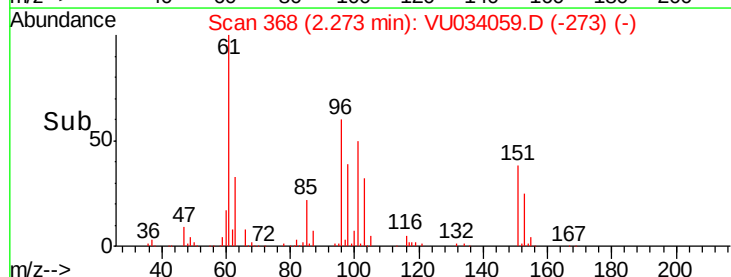
60000

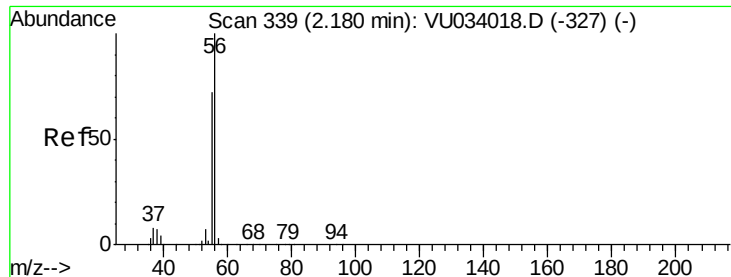
40000

20000

0

Time--> 2.20 2.25 2.30 2.35





#13

Acrolein

Concen: 79.298 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

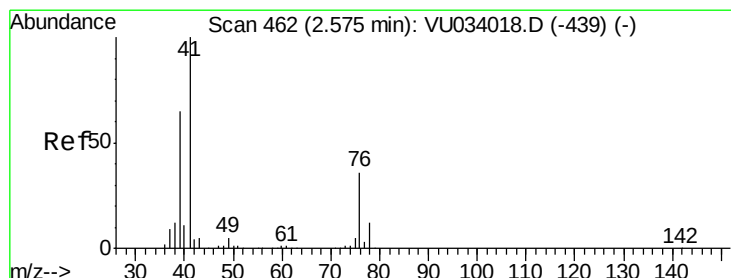
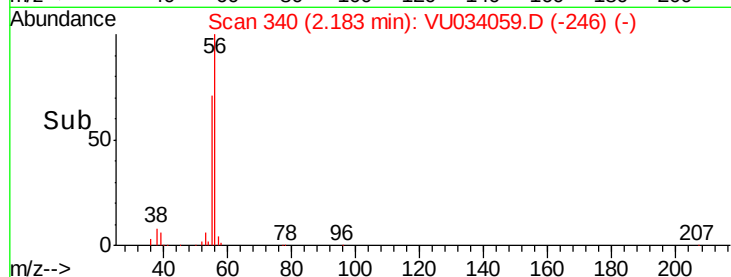
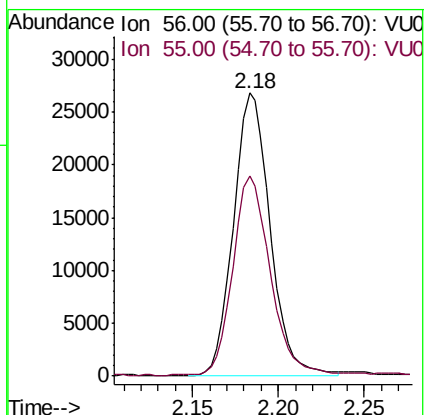
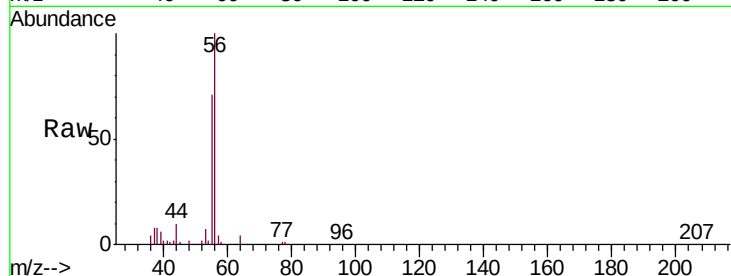
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 39751

Ion Ratio Lower Upper

56 100

55 70.7 57.1 85.7



#14

Allyl chloride

Concen: 17.731 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

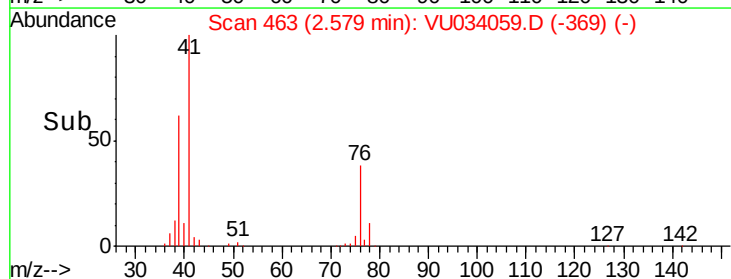
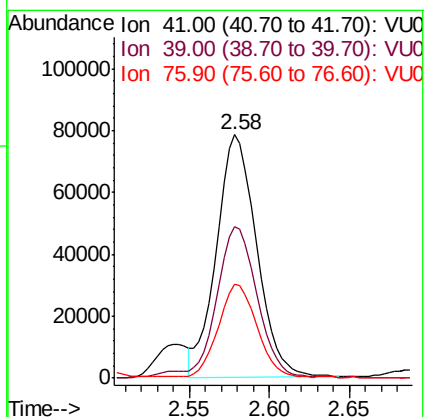
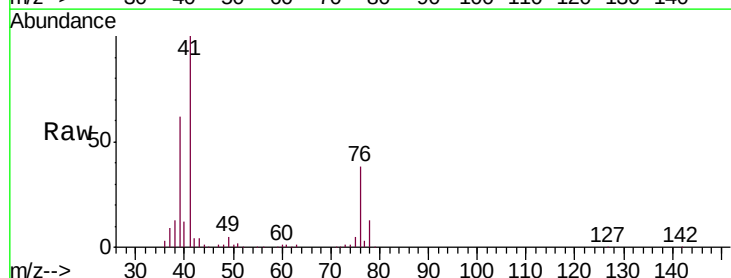
Tgt Ion: 41 Resp: 134588

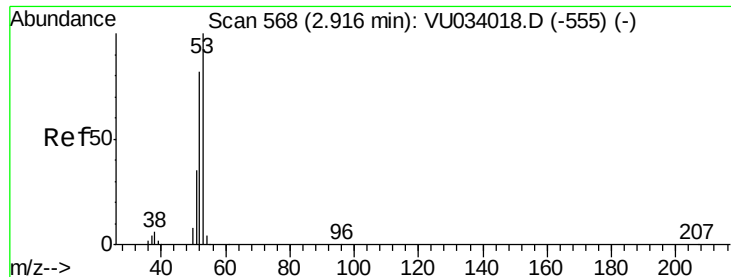
Ion Ratio Lower Upper

41 100

39 64.8 46.8 70.2

76 36.5 26.6 40.0





#15

Acrylonitrile

Concen: 101.304 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampled :

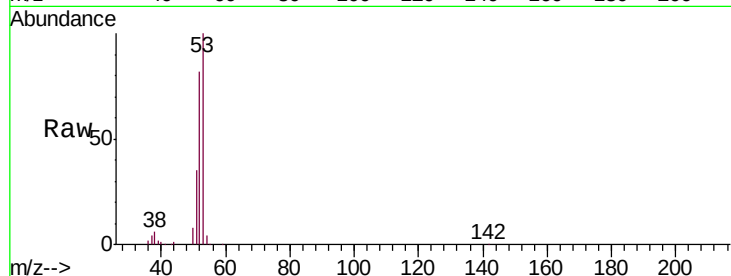
Tot Ion: 53 Resp: 277008

Ion Ratio Lower Upper

53 100

52 81.6 65.7 98.5

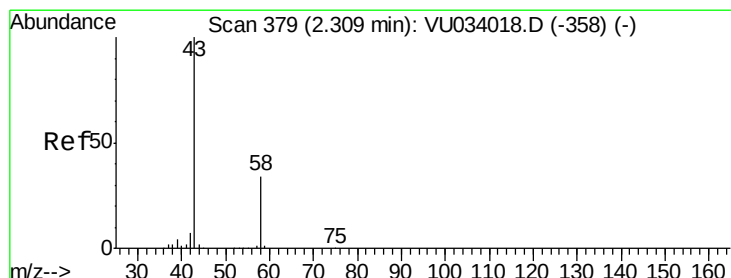
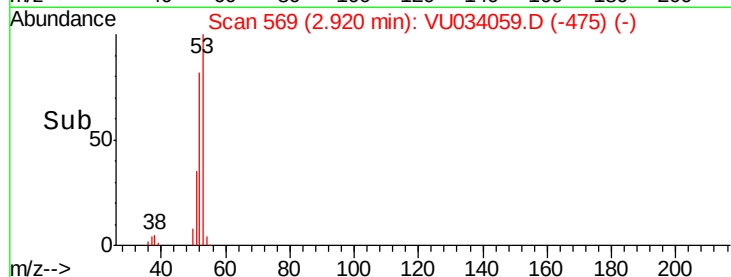
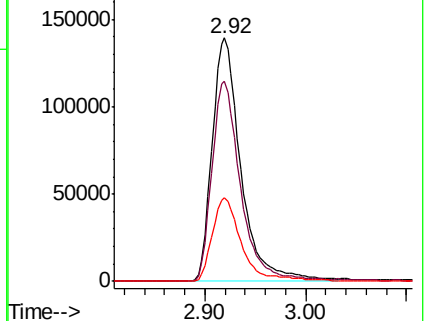
51 35.0 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034018.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034018.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034018.D (-555) (-)



#16

Acetone

Concen: 91.094 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034059.D

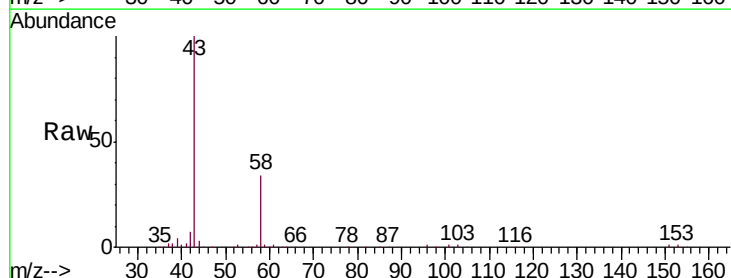
Acq: 29 Aug 2019 14:07

Tgt Ion: 43 Resp: 240182

Ion Ratio Lower Upper

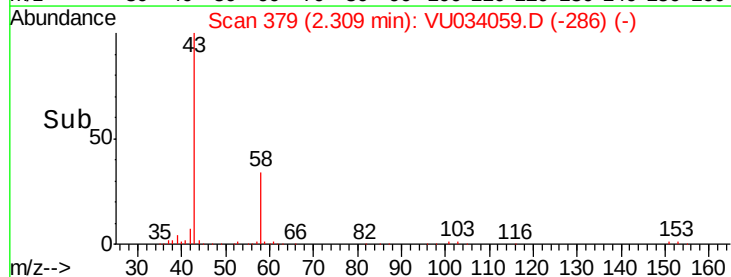
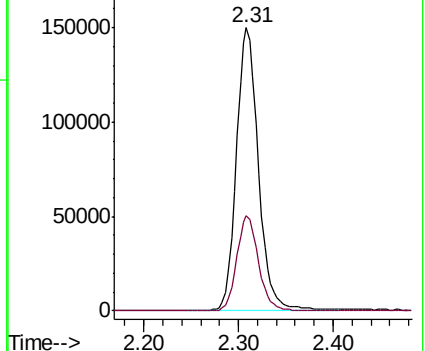
43 100

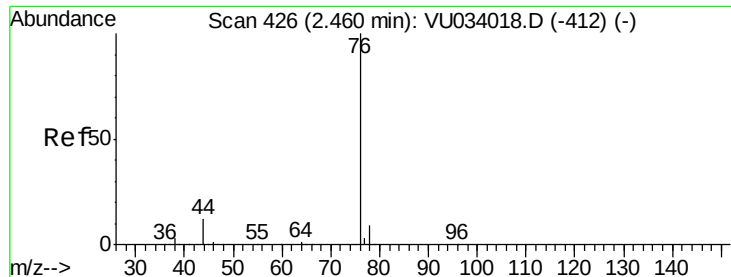
58 33.6 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)





#17

Carbon Disulfide

Concen: 19.232 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

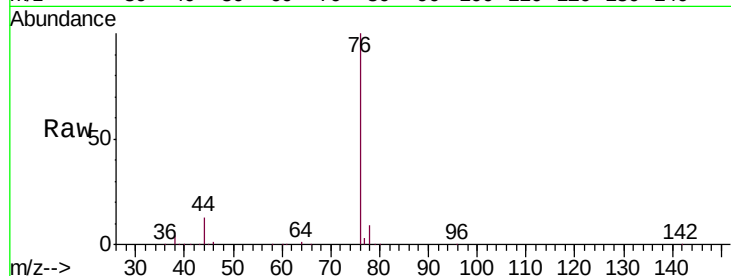
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 245740

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034059.D (-333) (-)

2.47

150000

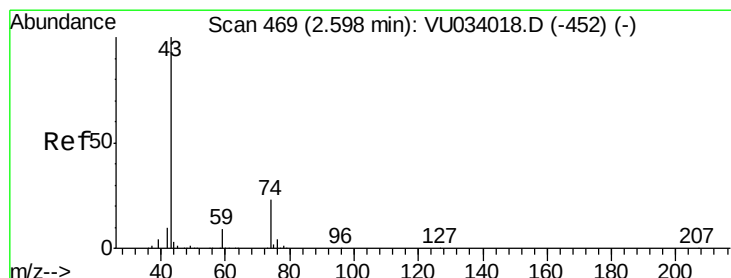
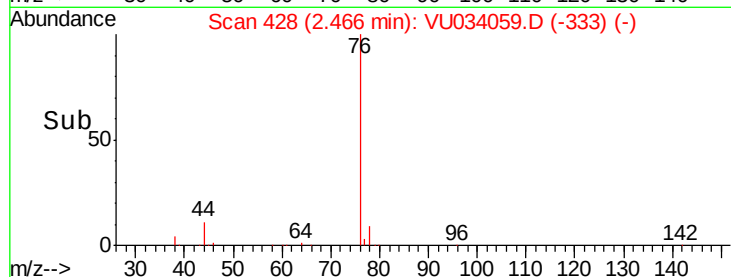
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 19.312 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034059.D

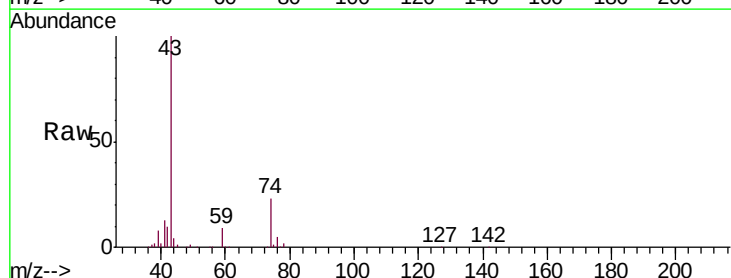
Acq: 29 Aug 2019 14:07

Tgt Ion: 43 Resp: 131581

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VU034059.D (-376) (-)

2.60

80000

60000

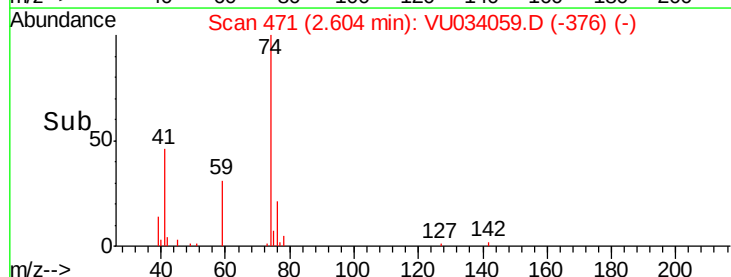
40000

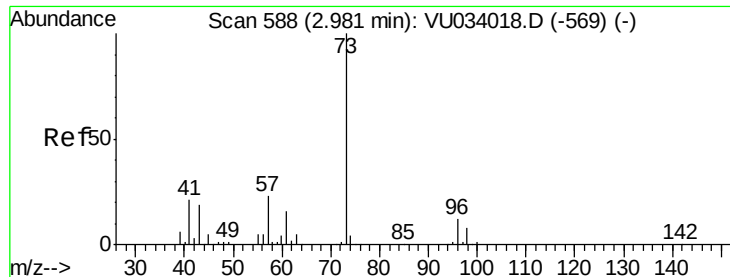
20000

0

2.50 2.60 2.70

Time-->

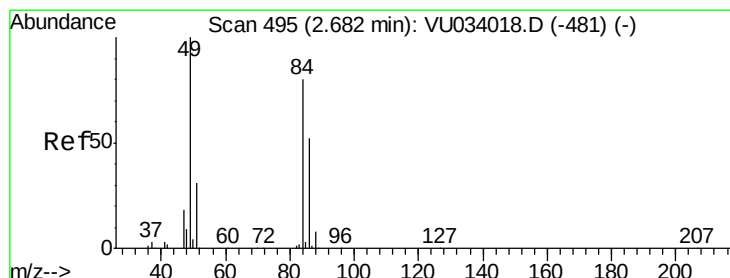
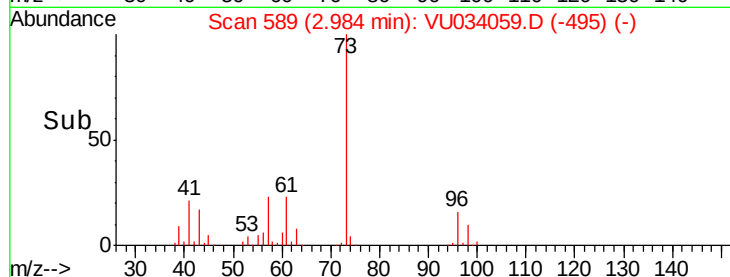
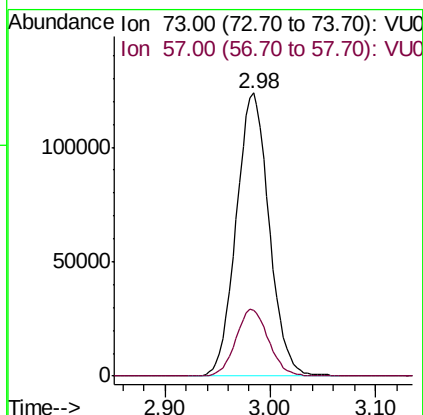
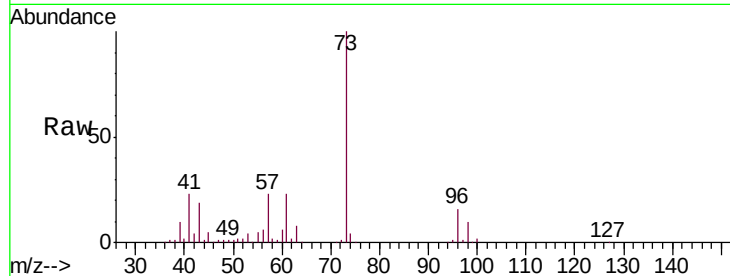




#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

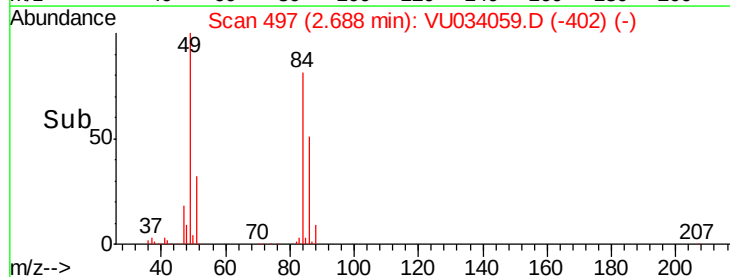
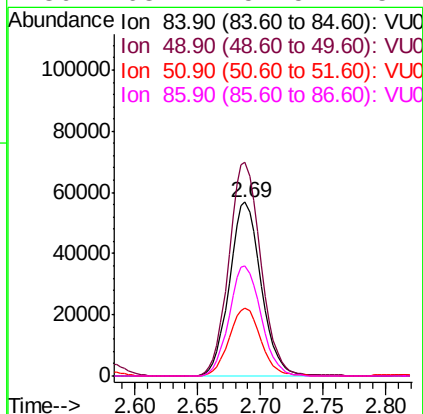
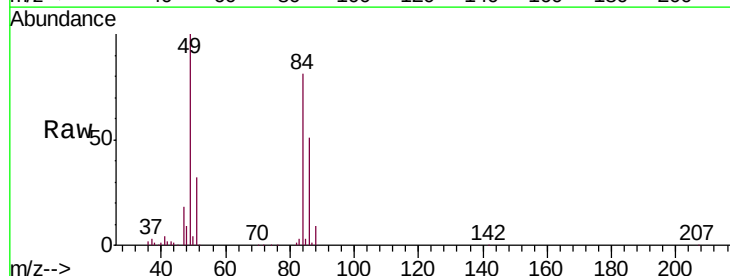
Instrument :
MSVOA_U
ClientSampled :

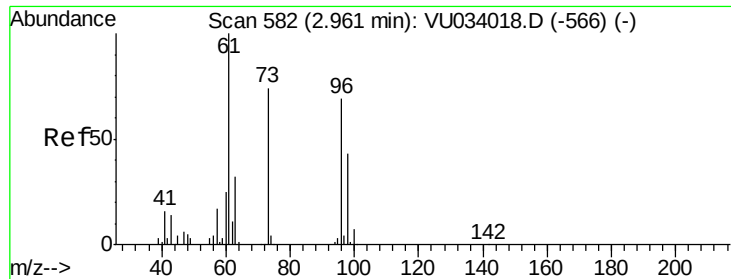
Tot Ion: 73 Resp: 268402
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 84 Resp: 99766
Ion Ratio Lower Upper
84 100
49 123.1 100.2 150.4
51 39.0 30.8 46.2
86 63.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.324 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

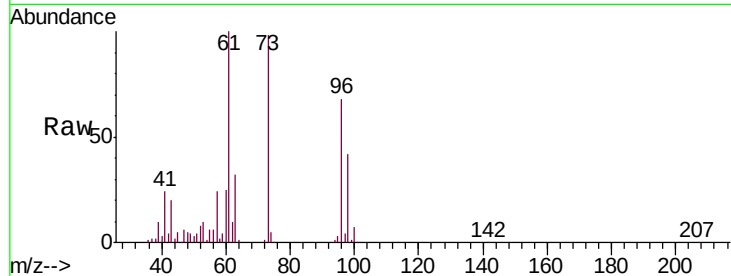
Tot Ion: 96 Resp: 89051

Ion Ratio Lower Upper

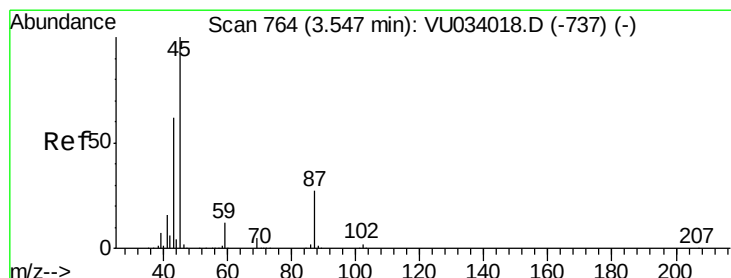
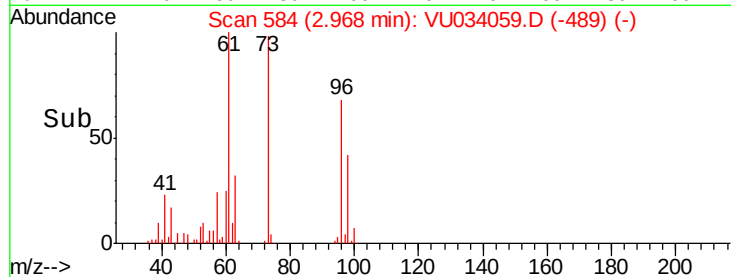
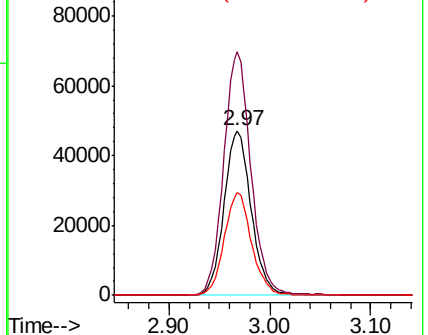
96 100

61 148.0 115.5 173.3

98 62.6 50.1 75.1



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



#22

Diisopropyl ether

Concen: 20.957 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion: 45 Resp: 291500

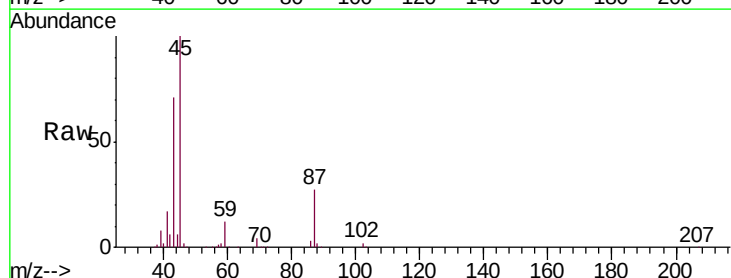
Ion Ratio Lower Upper

45 100

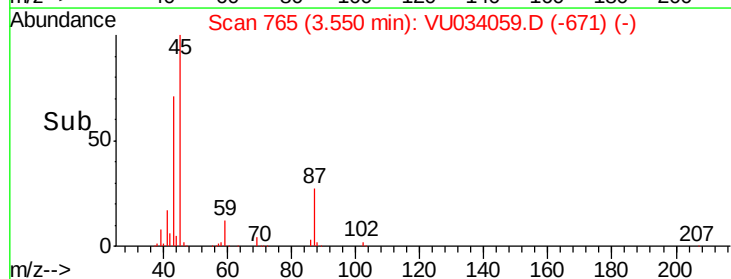
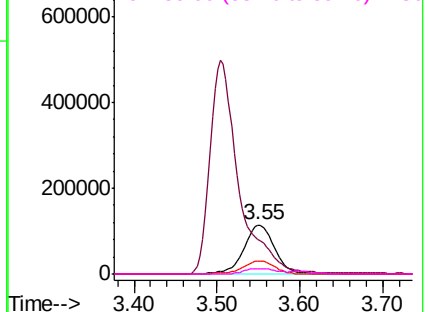
43 70.6 49.7 74.5

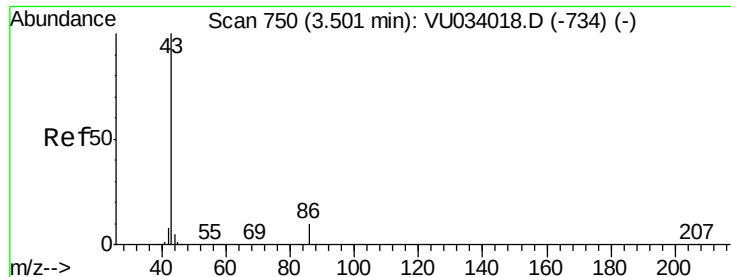
87 26.9 21.8 32.8

59 11.6 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.450 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

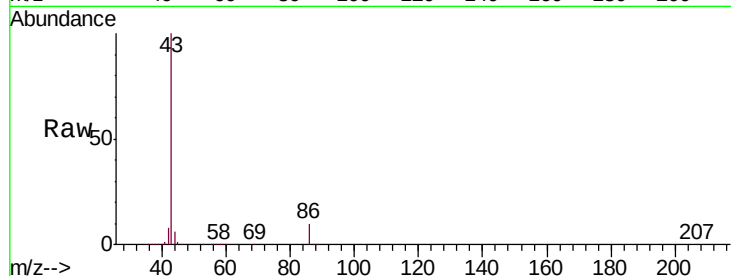
ClientSampled :

Tot Ion: 43 Resp: 1212192

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

500000

400000

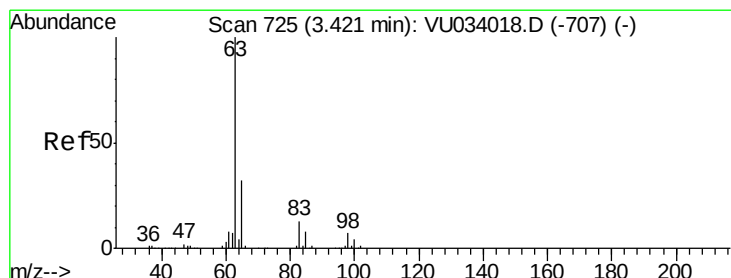
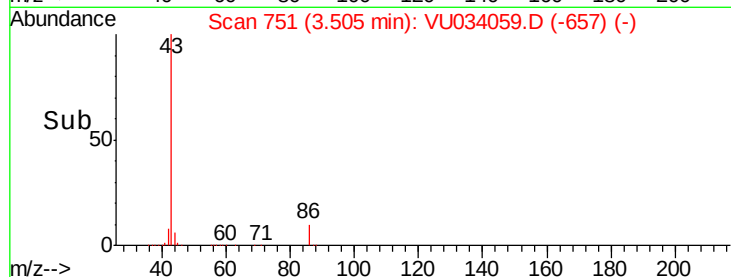
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.818 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

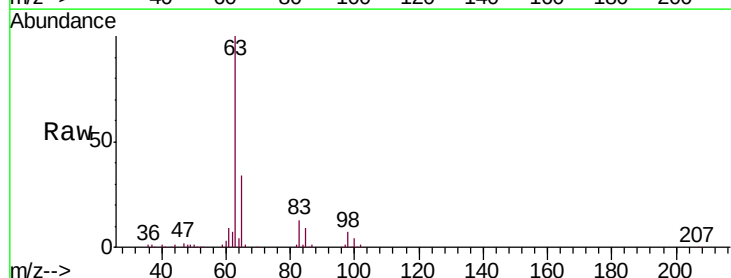
Tgt Ion: 63 Resp: 170961

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.43

100000

80000

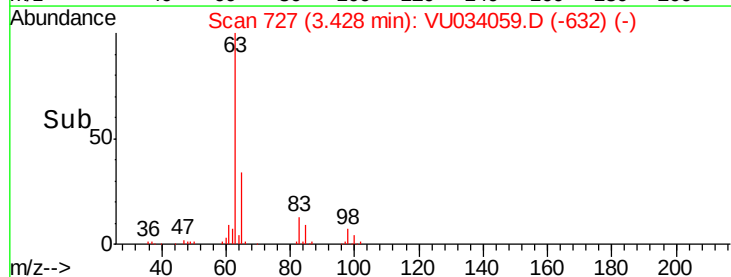
60000

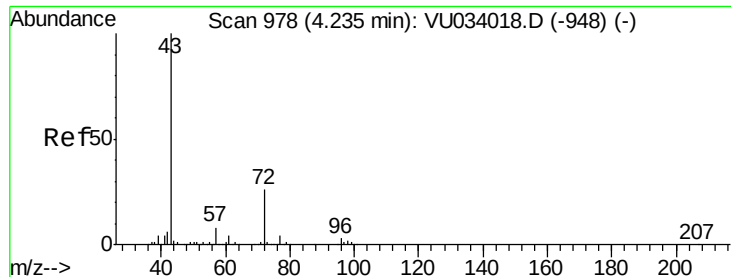
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.106 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

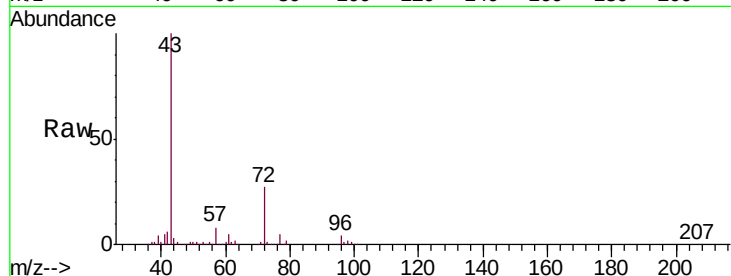
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 359879

Ion Ratio Lower Upper

43 100

72 26.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-948) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-948) (-)

4.24

150000

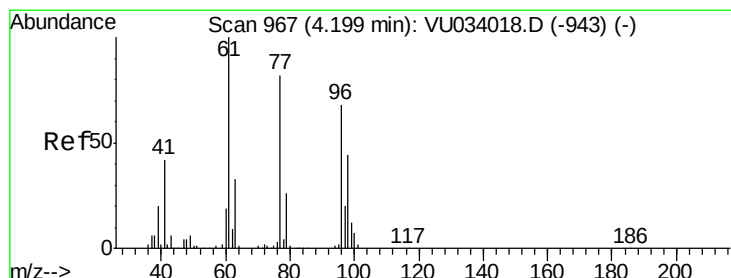
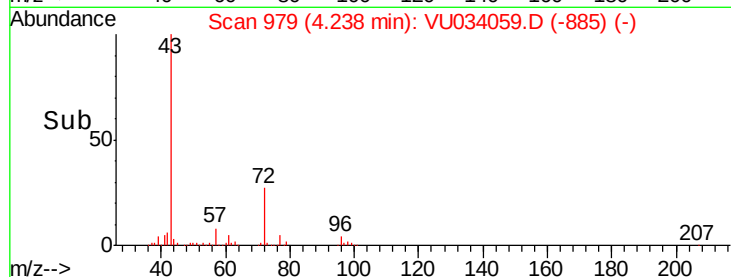
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 19.445 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034059.D

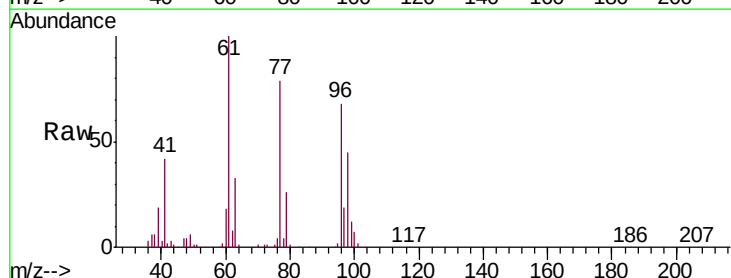
Acq: 29 Aug 2019 14:07

Tgt Ion: 77 Resp: 129932

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034018.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU034018.D (-943) (-)

4.20

50000

40000

30000

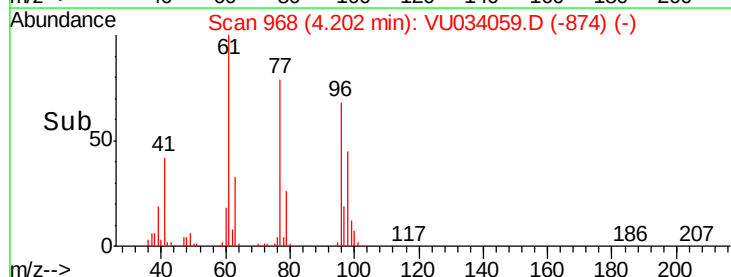
20000

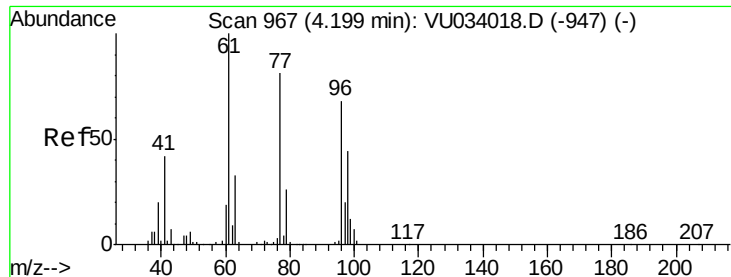
10000

0

4.10 4.20 4.30

Time-->



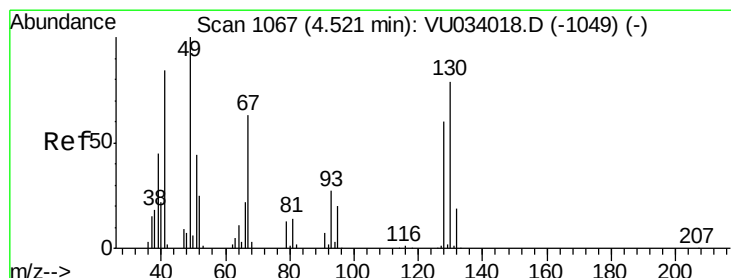
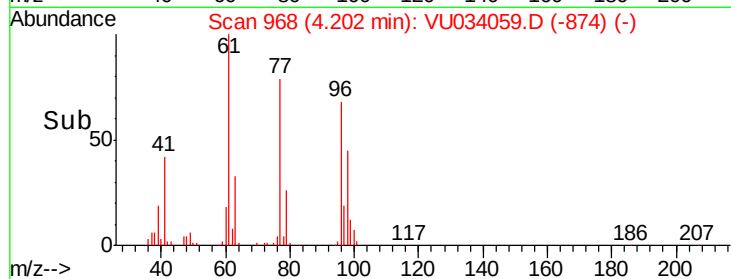
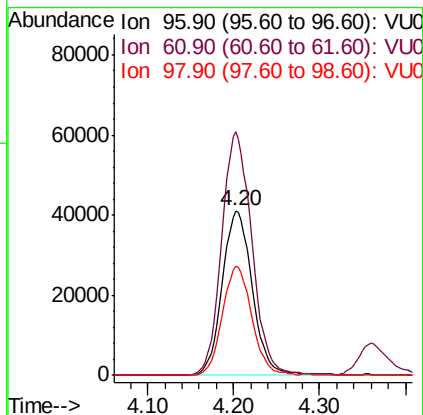
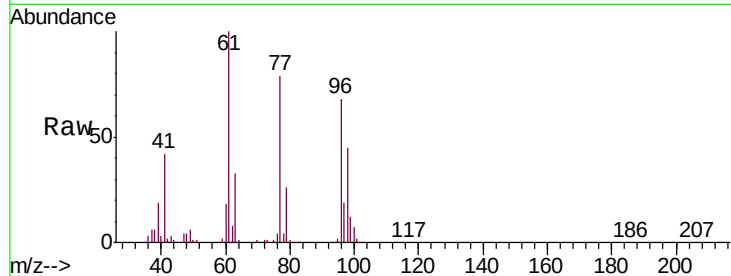


#27

cis-1,2-Dichloroethene
 Concen: 20.356 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :

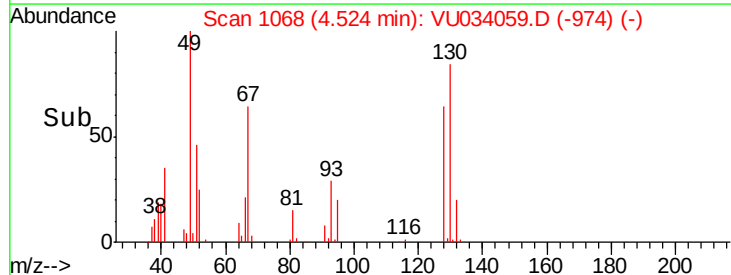
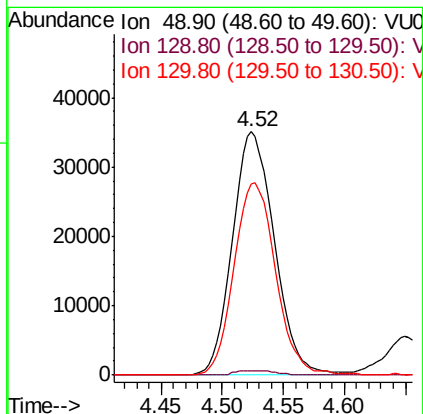
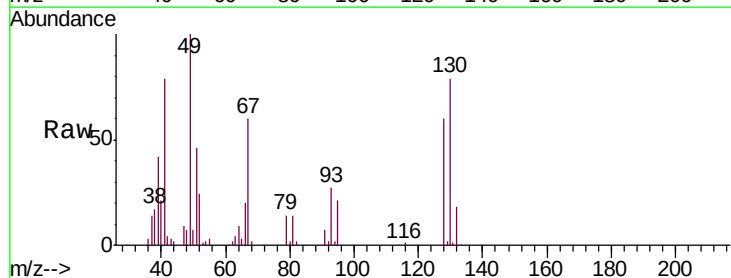
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	303.0
98	64.7	0.0	129.2

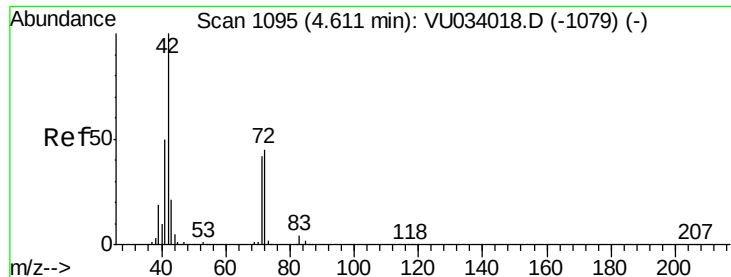


#28

Bromochloromethane
 Concen: 20.680 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	78.5	62.8	94.2





#29

Tetrahydrofuran

Concen: 102.056 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampled :

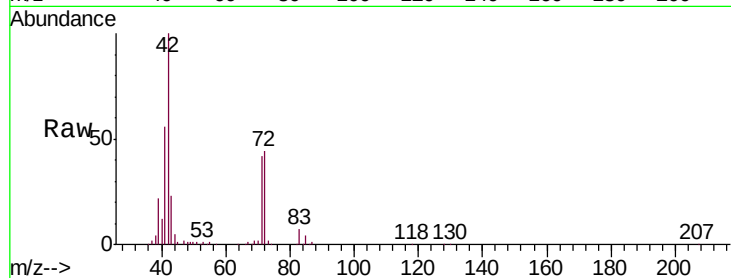
Tot Ion: 42 Resp: 230873

Ion Ratio Lower Upper

42 100

72 45.6 35.8 53.6

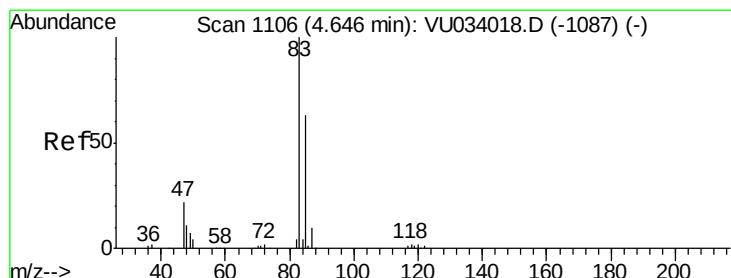
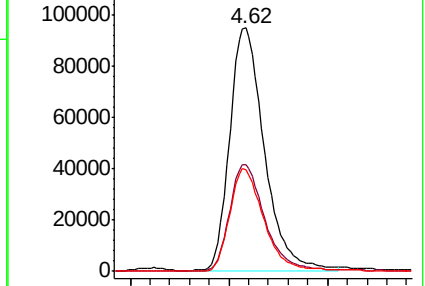
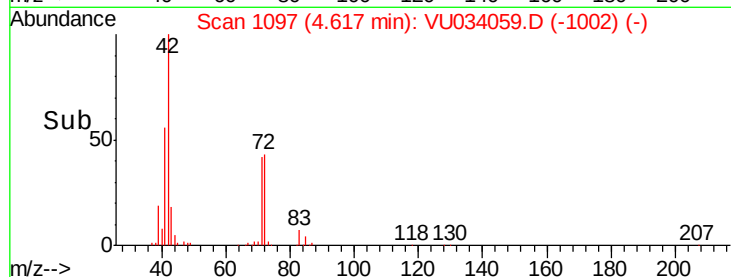
71 42.2 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VU034018.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034018.D (-1079) (-)



#30

Chloroform

Concen: 20.188 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034059.D

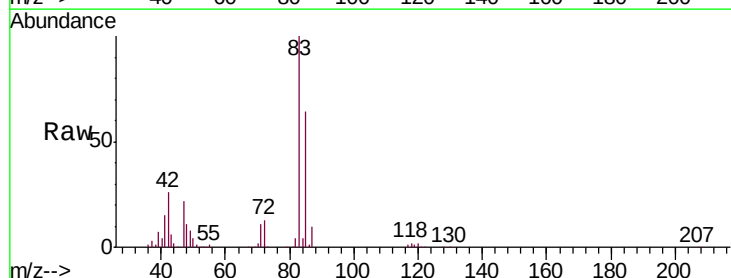
Acq: 29 Aug 2019 14:07

Tgt Ion: 83 Resp: 165406

Ion Ratio Lower Upper

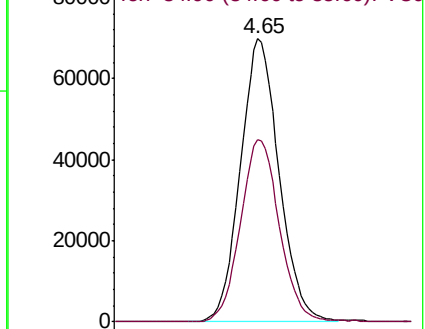
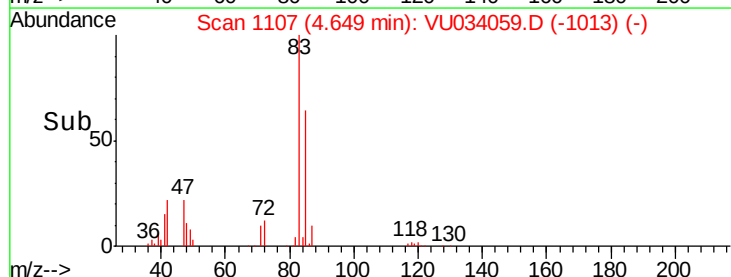
83 100

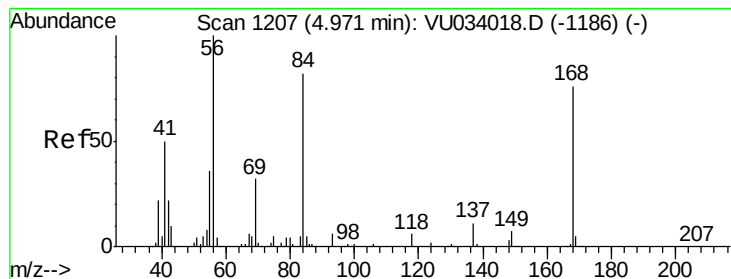
85 64.3 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1087) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-1087) (-)





#31

Cyclohexane

Concen: 19.494 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

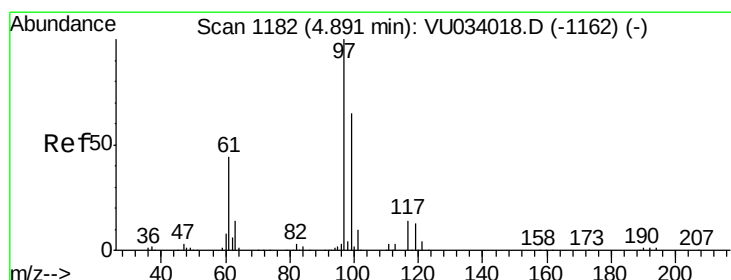
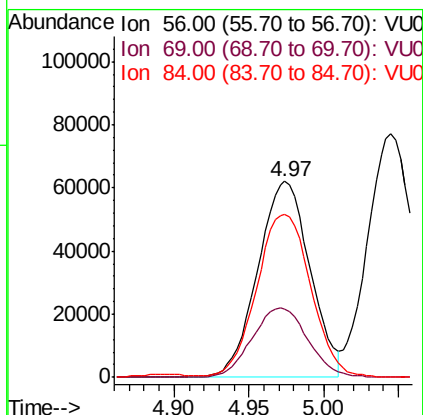
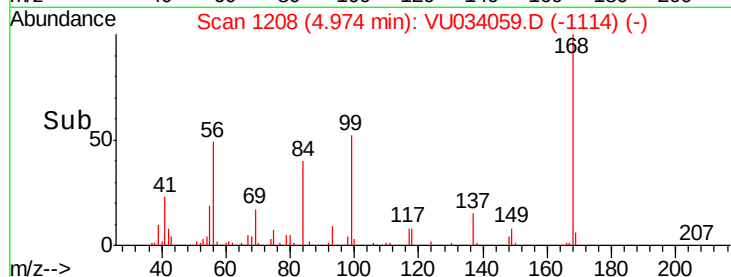
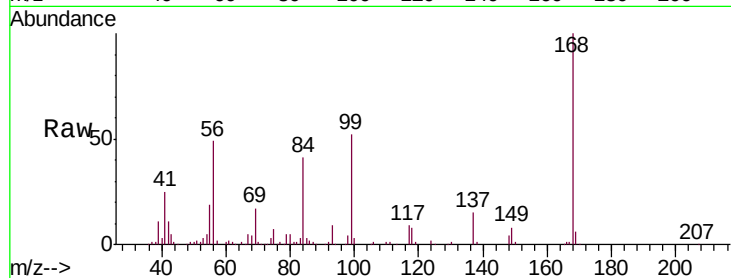
Tot Ion: 56 Resp: 150423

Ion Ratio Lower Upper

56 100

69 34.8 25.4 38.0

84 82.3 65.8 98.8



#32

1,1,1-Trichloroethane

Concen: 20.396 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

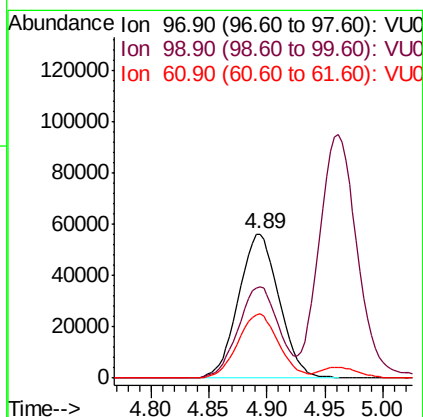
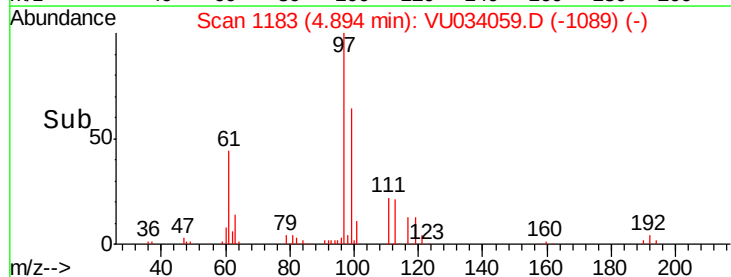
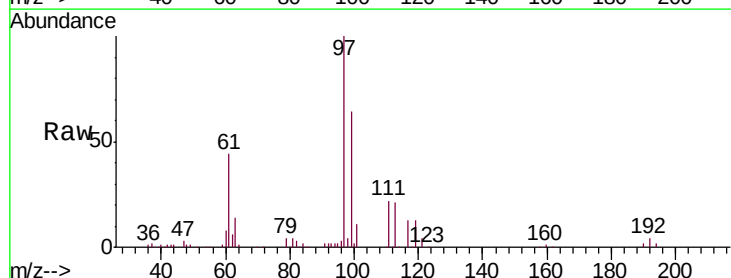
Tgt Ion: 97 Resp: 136866

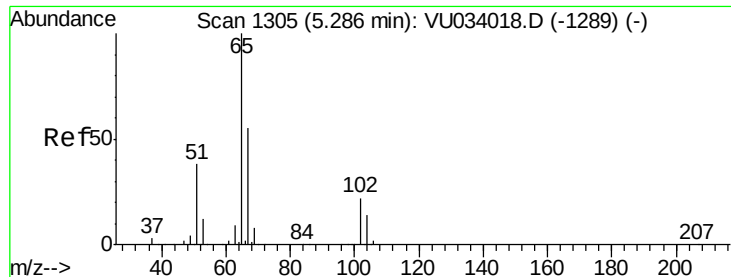
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 44.7 35.3 52.9

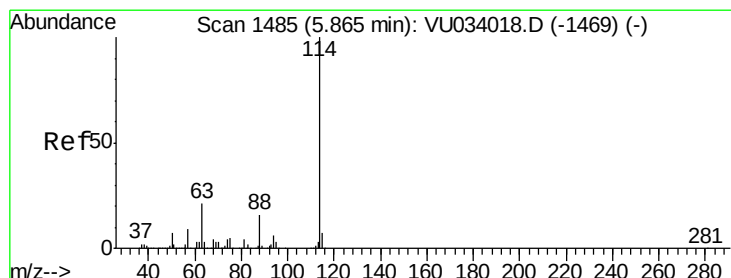
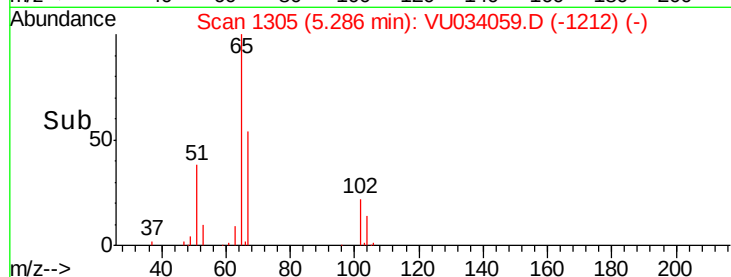
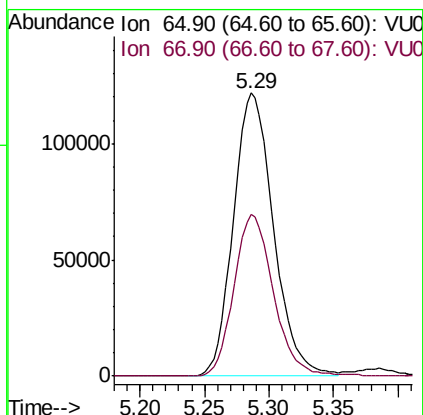
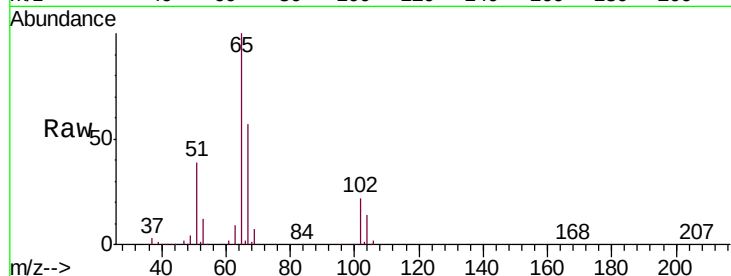




#33
 1,2-Dichloroethane-d4
 Concen: 50.958 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

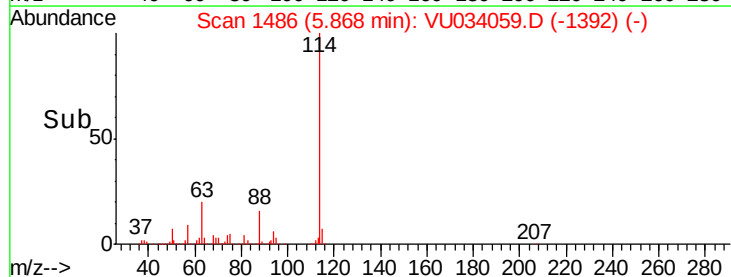
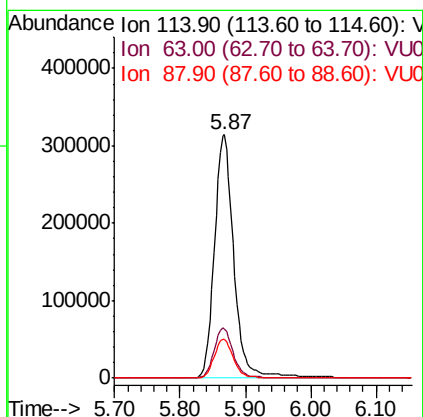
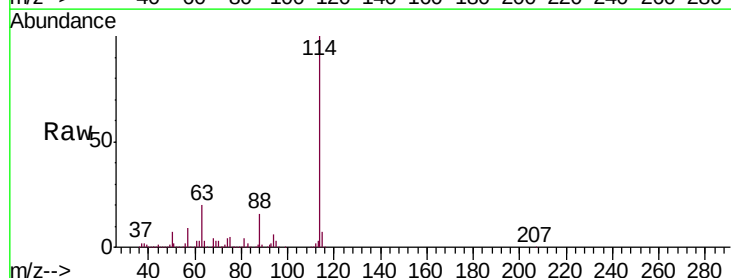
Instrument :
 MSVOA_U
 ClientSampled :

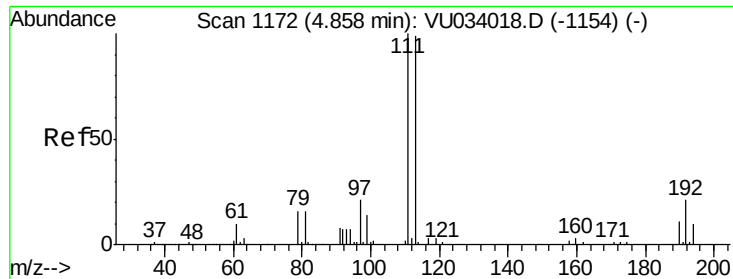
Tot Ion: 65 Resp: 263324
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion: 114 Resp: 651283
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.0
 88 15.9 0.0 32.0

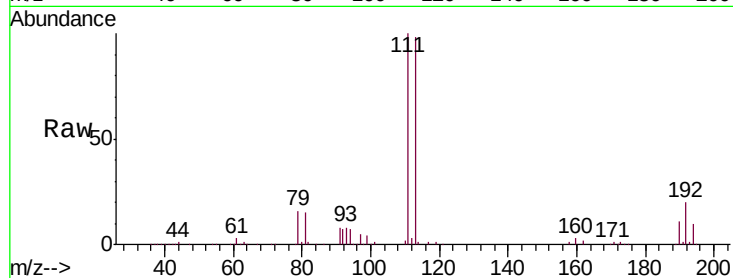




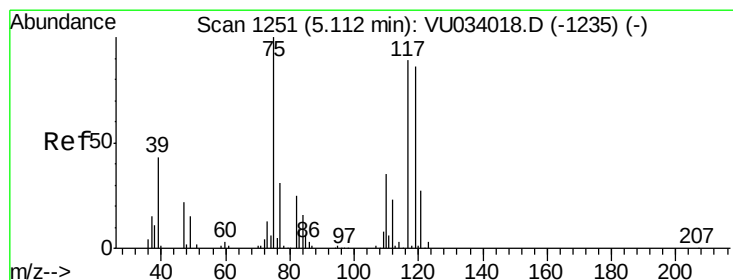
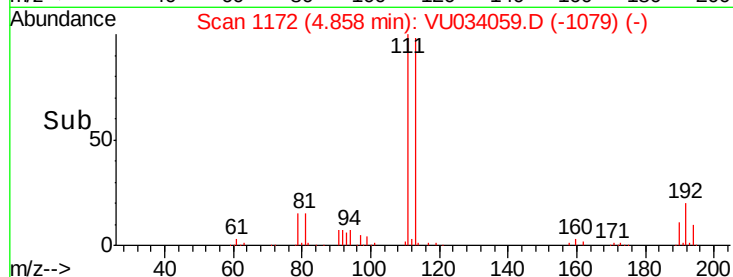
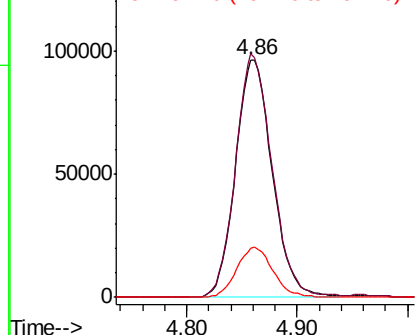
#35
Dibromofluoromethane
Concen: 49.287 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:113 Resp: 222641
Ion Ratio Lower Upper
113 100
111 101.9 81.7 122.5
192 21.0 17.1 25.7

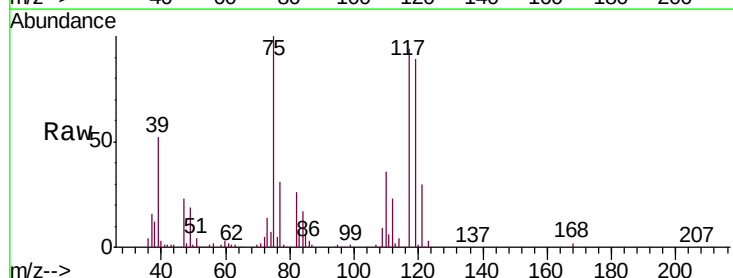


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

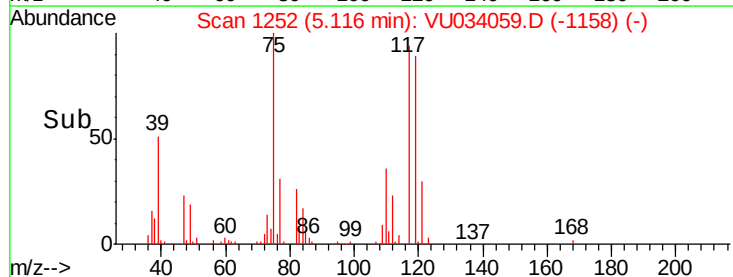
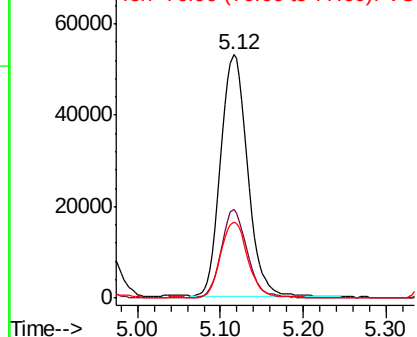


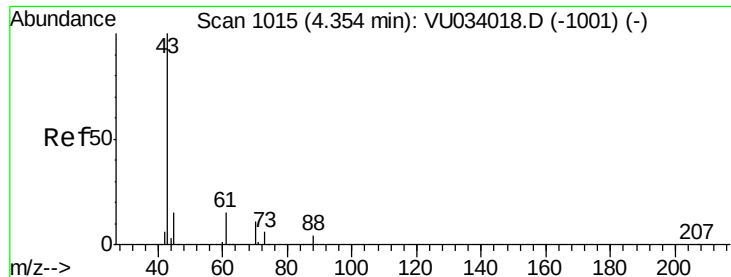
#36
1,1-Dichloropropene
Concen: 19.473 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 75 Resp: 119958
Ion Ratio Lower Upper
75 100
110 35.5 17.8 53.5
77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

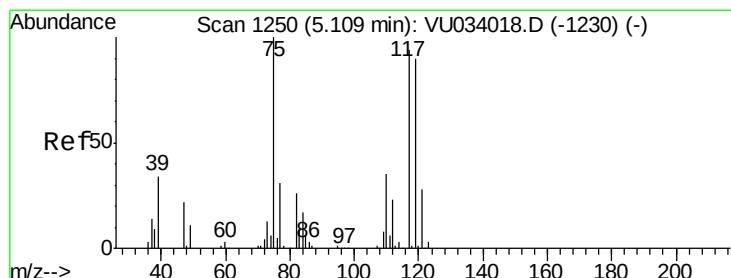
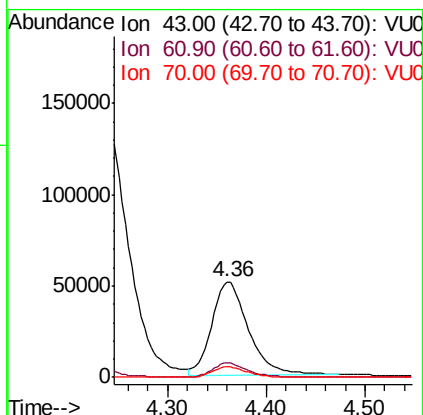
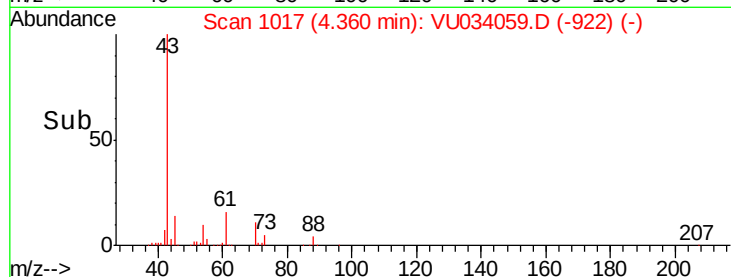
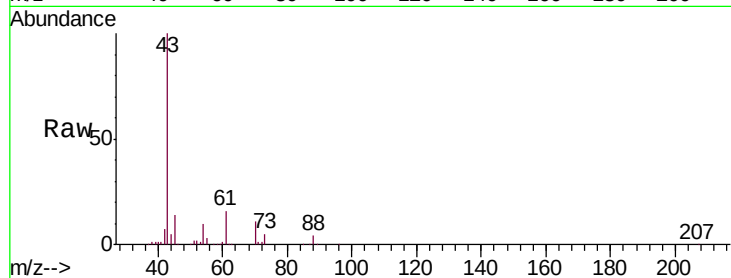




#37
Ethyl Acetate
Concen: 19.197 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

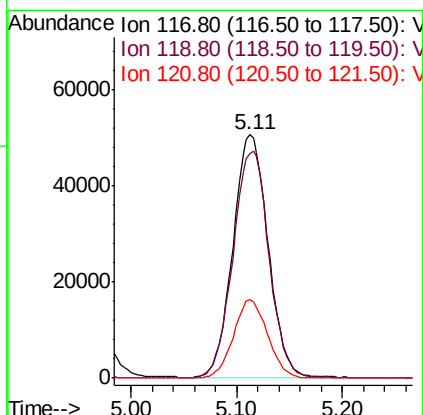
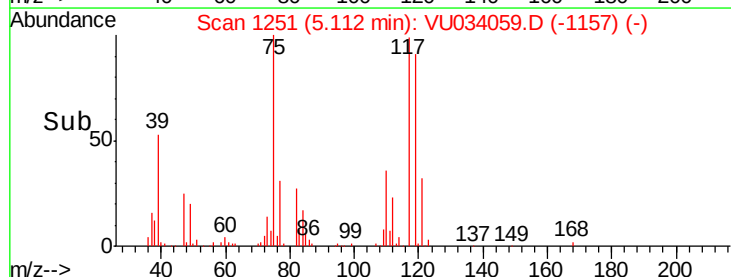
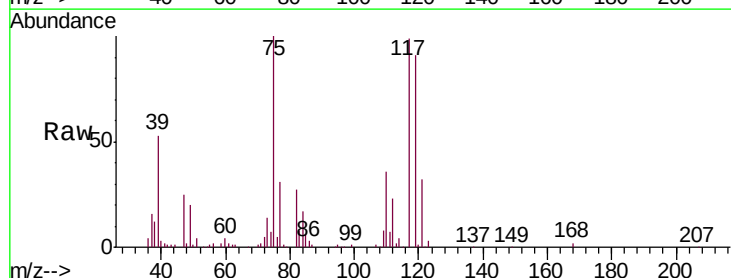
Instrument :
MSVOA_U
ClientSampleId :

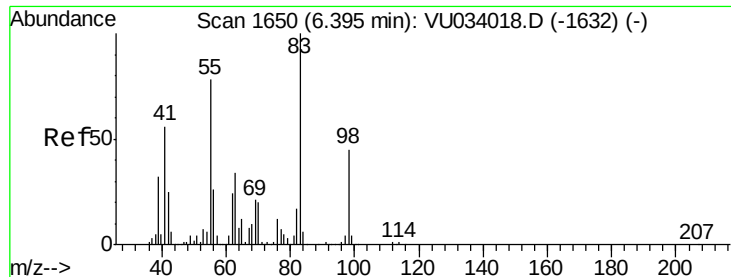
Tot Ion: 43 Resp: 132429
Ion Ratio Lower Upper
43 100
61 13.8 11.5 17.3
70 10.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.553 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 117 Resp: 116270
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.4
121 32.6 23.9 35.9

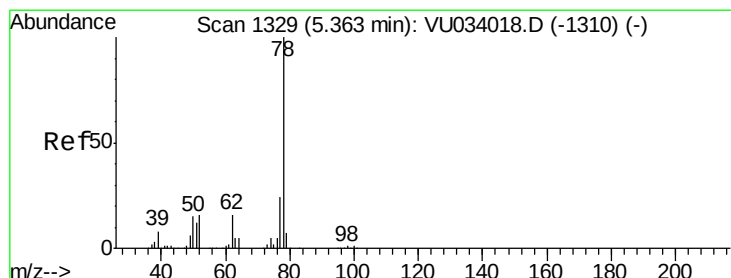
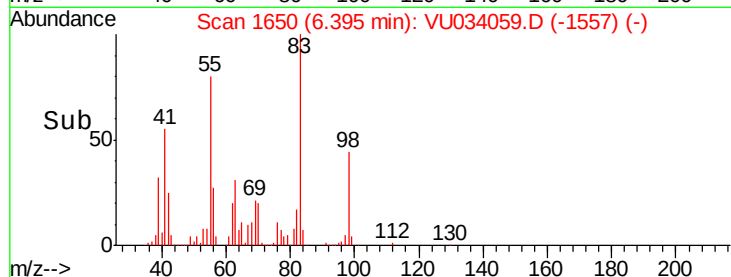
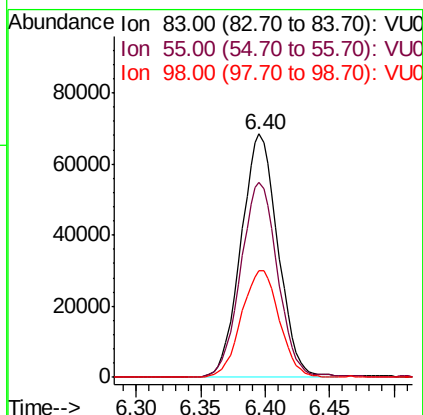
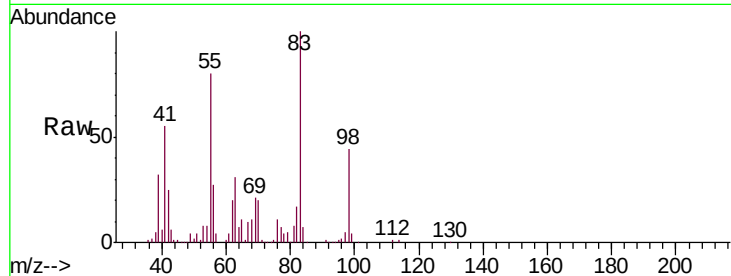




#39
Methylvlcyclohexane
Concen: 18.792 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

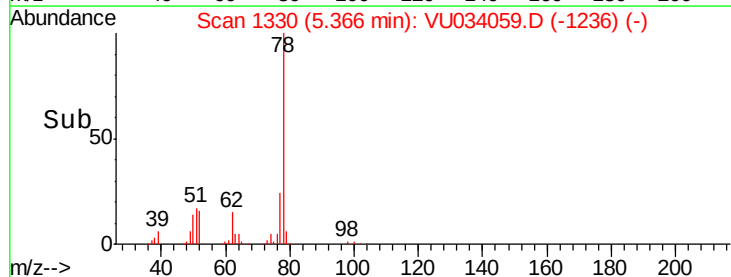
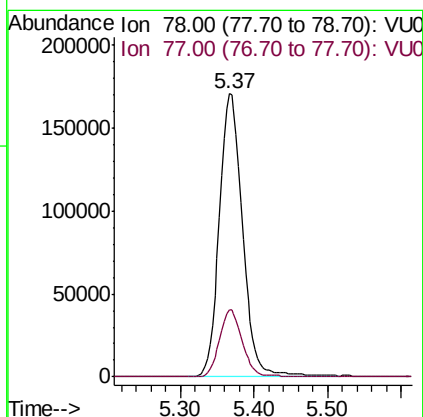
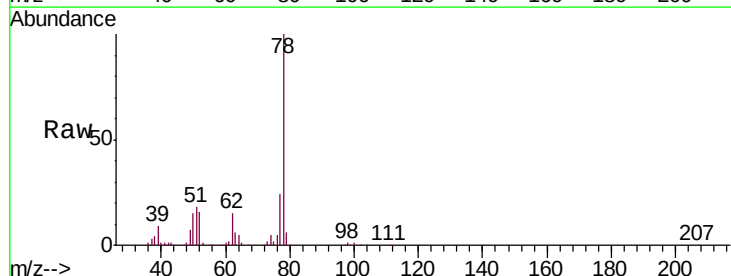
Instrument :
MSVOA_U
ClientSampleId :

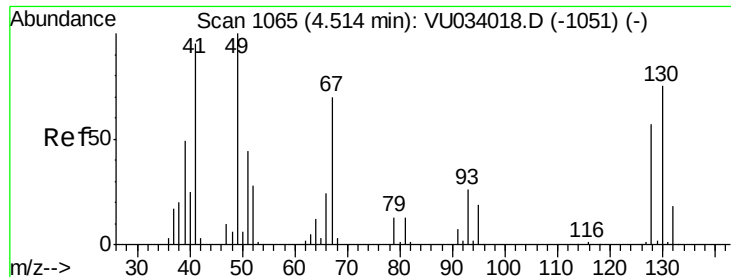
Tot Ion: 83 Resp: 136441
Ion Ratio Lower Upper
83 100
55 80.2 62.3 93.5
98 43.7 36.2 54.2



#40
Benzene
Concen: 20.165 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 78 Resp: 375850
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 20.188 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 71424

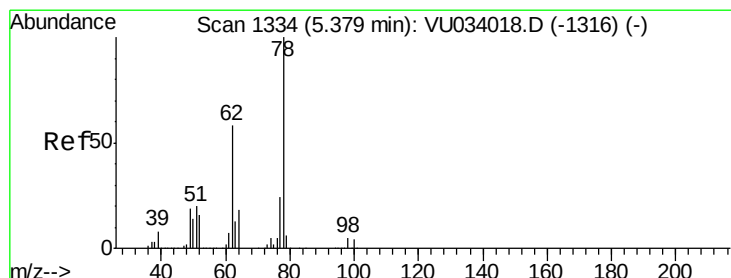
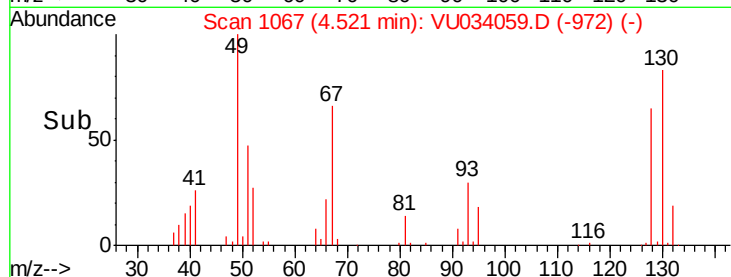
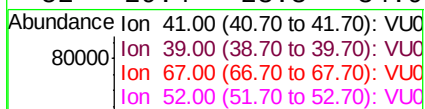
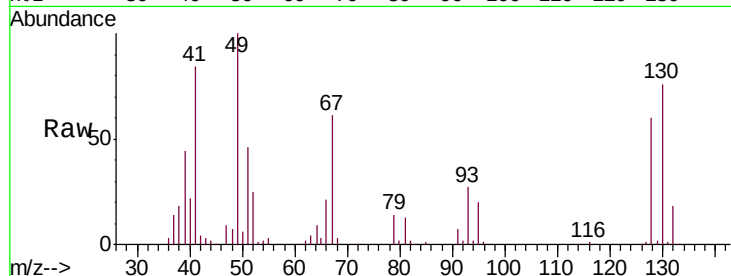
Ion Ratio Lower Upper

41 100

39 51.3 42.1 63.1

67 77.7 61.0 91.4

52 29.4 23.3 34.9



#42

1,2-Dichloroethane

Concen: 20.298 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034059.D

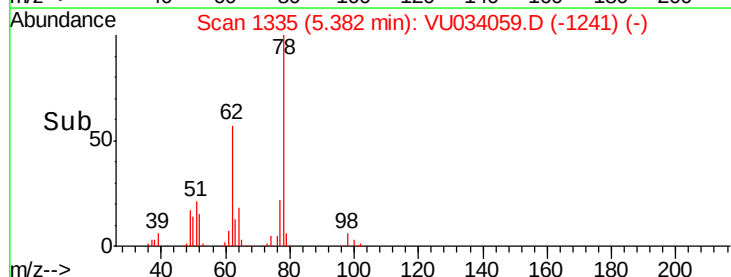
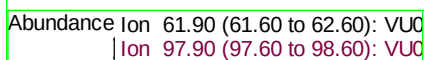
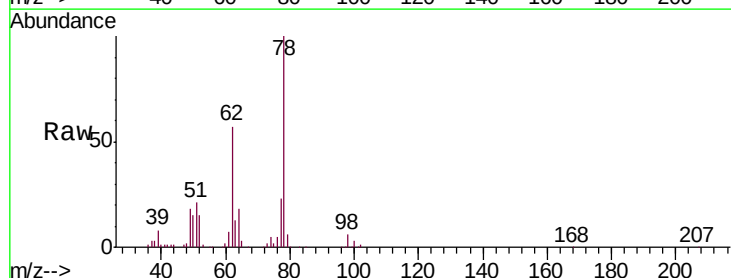
Acq: 29 Aug 2019 14:07

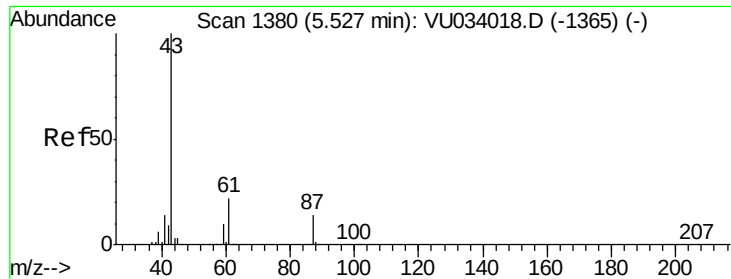
Tgt Ion: 62 Resp: 130642

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.2





#43

Isopropyl Acetate

Concen: 18.794 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

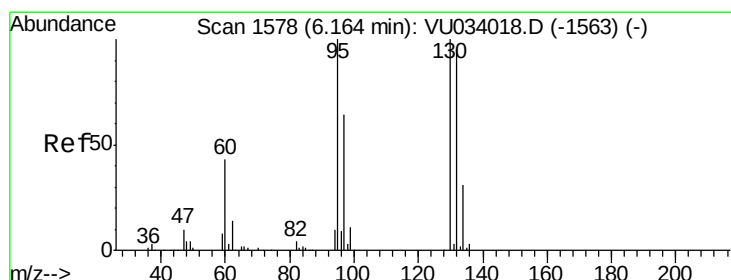
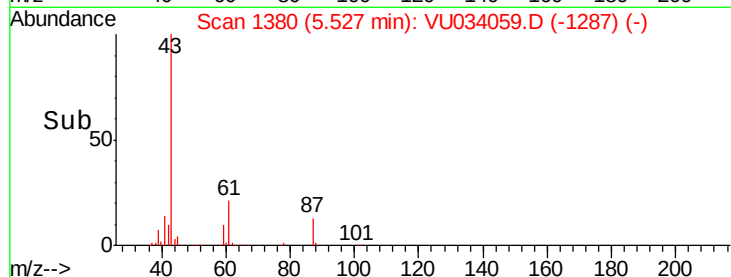
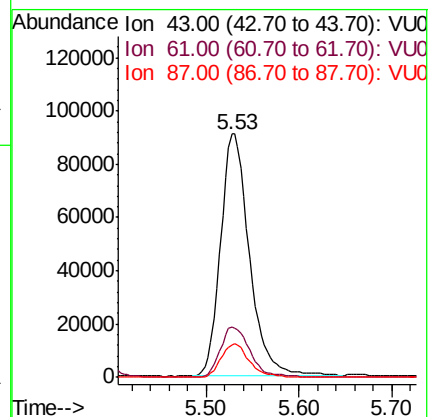
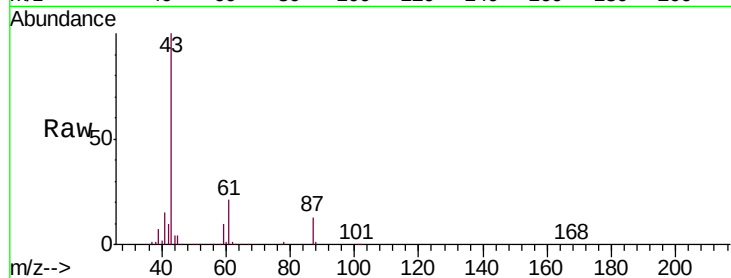
Tot Ion: 43 Resp: 197241

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

87 13.5 10.8 16.2



#44

Trichloroethene

Concen: 19.847 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034059.D

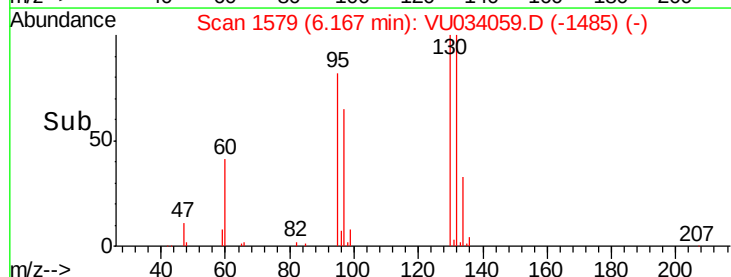
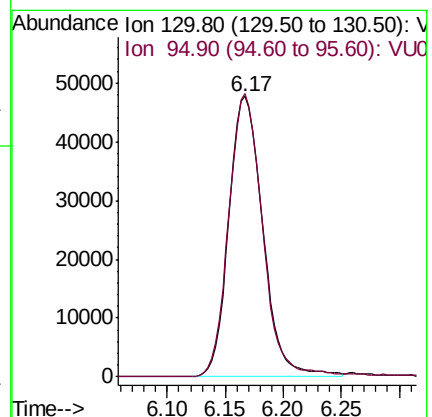
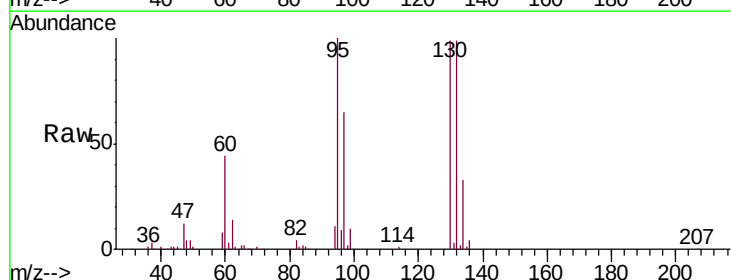
Acq: 29 Aug 2019 14:07

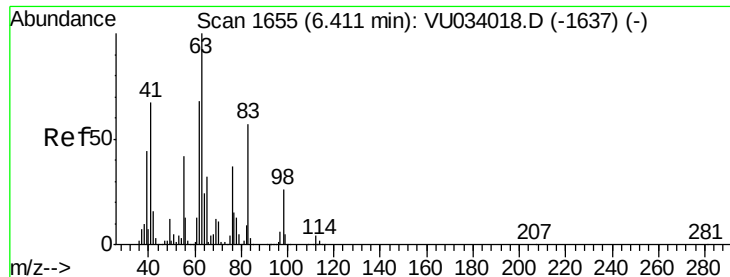
Tgt Ion:130 Resp: 97139

Ion Ratio Lower Upper

130 100

95 101.0 0.0 199.6

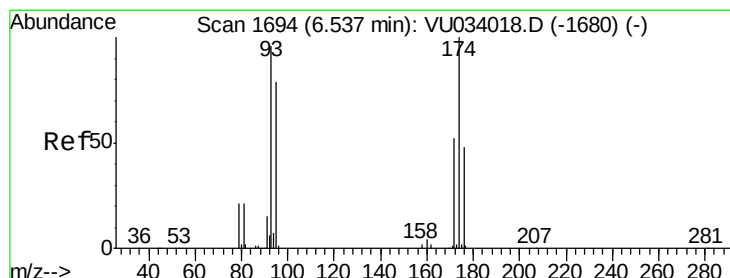
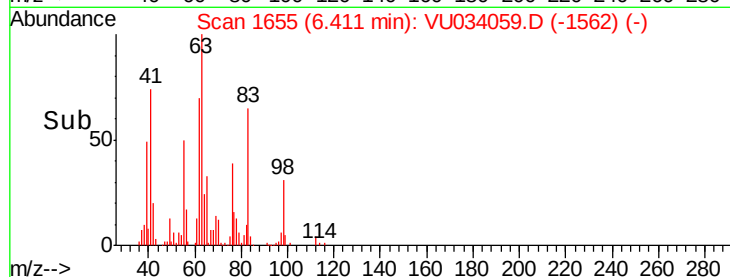
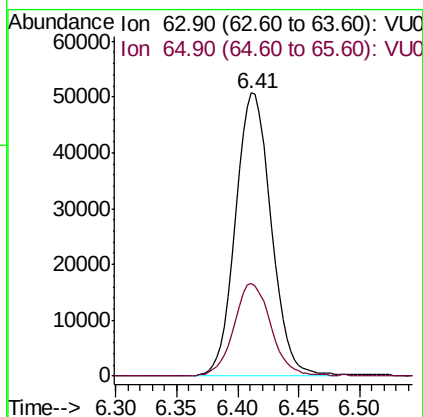
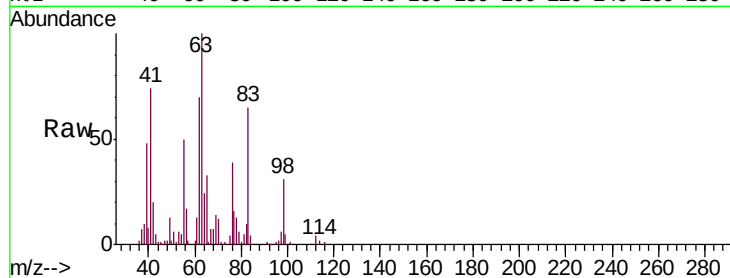




#45
 1,2-Dichloropropane
 Concen: 20.057 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

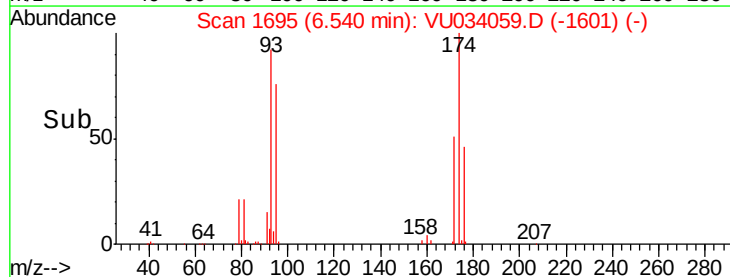
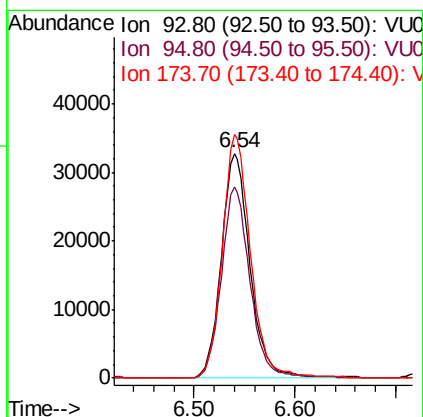
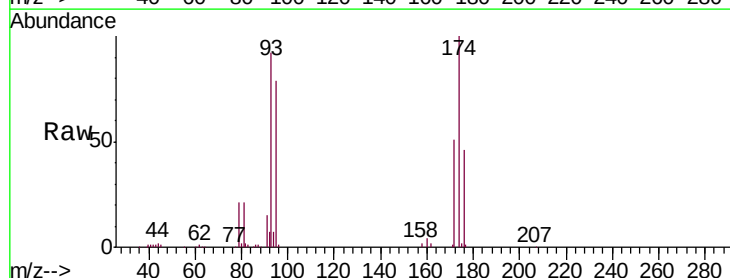
Instrument :
 MSVOA_U
 ClientSampled :

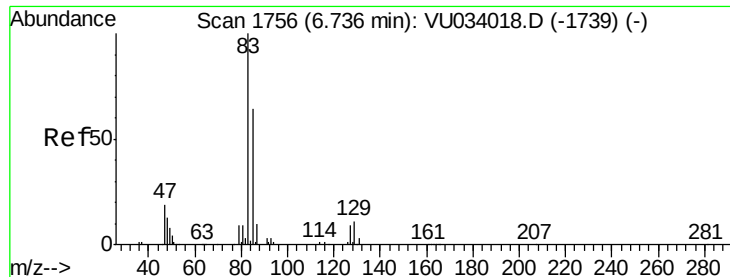
Tot Ion: 63 Resp: 102906
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.4 38.2



#46
 Dibromomethane
 Concen: 19.700 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion: 93 Resp: 65119
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 105.5 84.9 127.3





#47

Bromodichloromethane

Concen: 19.366 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

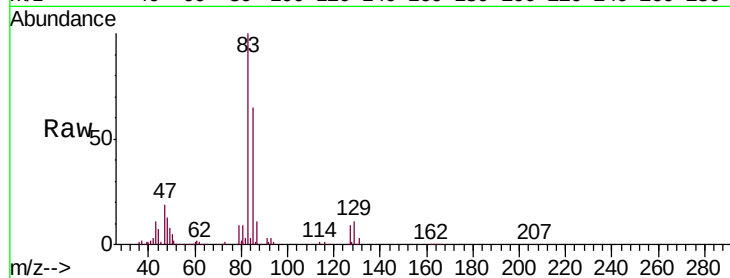
Tot Ion: 83 Resp: 125244

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

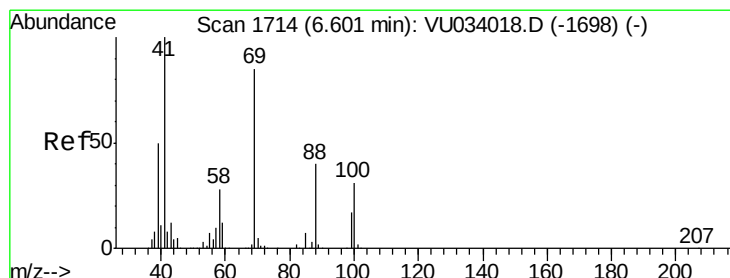
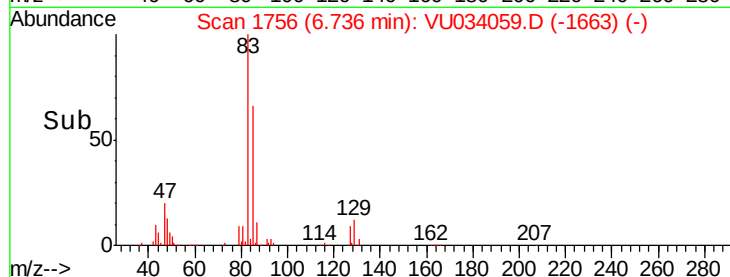
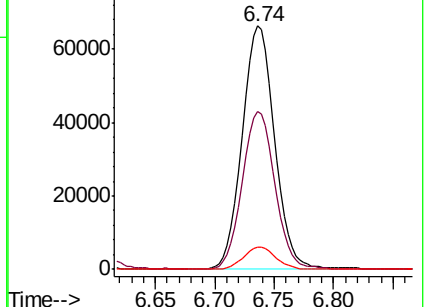
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1739) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-1739) (-)

Ion 126.80 (126.50 to 127.50): VU034018.D (-1739) (-)



#48

Methyl methacrylate

Concen: 18.754 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

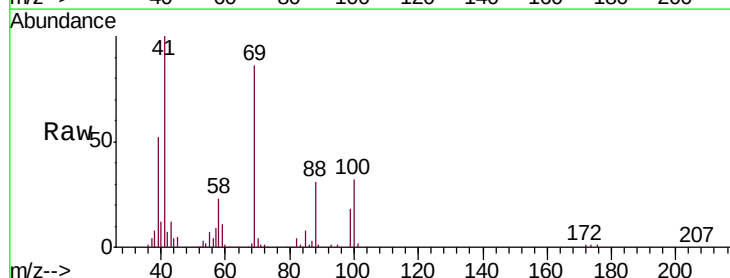
Tgt Ion: 41 Resp: 94978

Ion Ratio Lower Upper

41 100

69 86.5 69.5 104.3

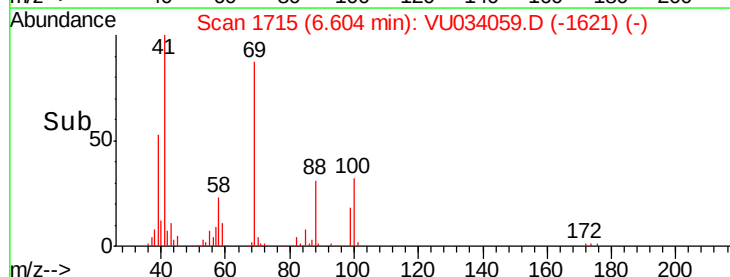
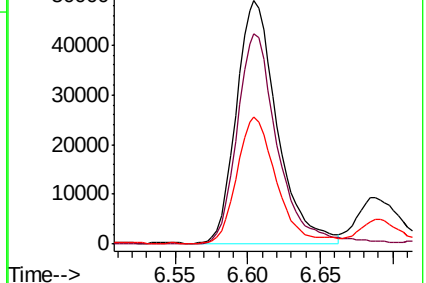
39 50.3 40.3 60.5

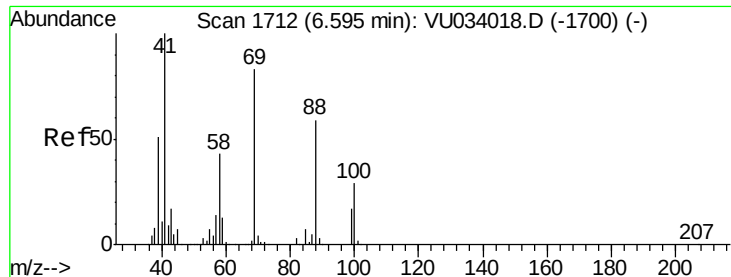


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1698) (-)

Ion 69.00 (68.70 to 69.70): VU034018.D (-1698) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-1698) (-)





#49

1,4-Dioxane

Concen: 336.196 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

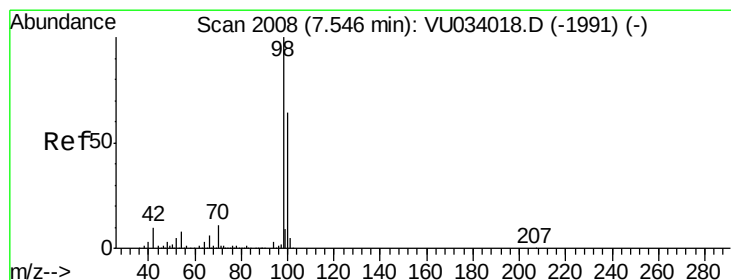
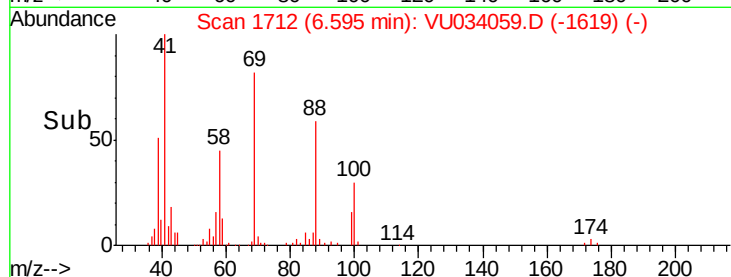
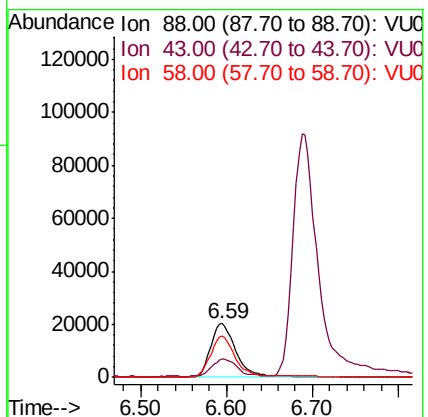
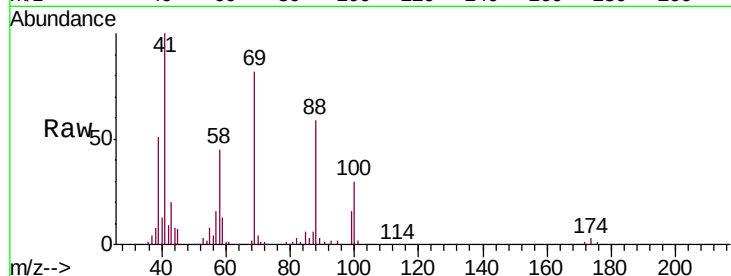
Tot Ion: 88 Resp: 42660

Ion Ratio Lower Upper

88 100

43 31.7 24.8 37.2

58 74.0 59.3 88.9



#50

Toluene-d8

Concen: 50.672 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034059.D

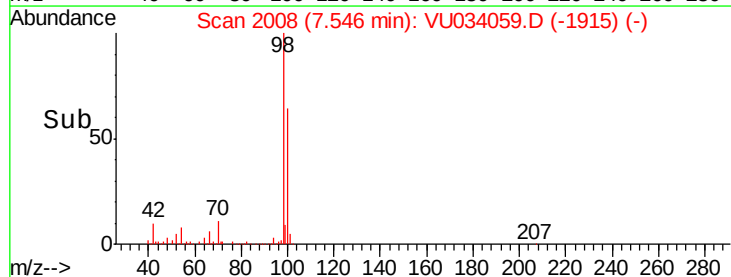
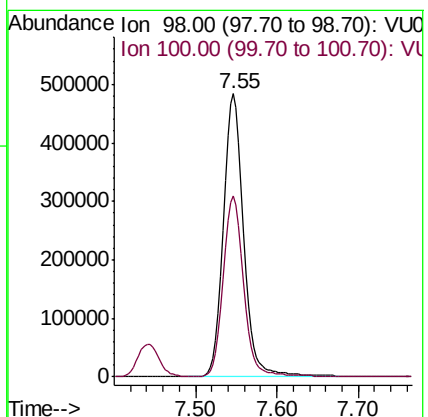
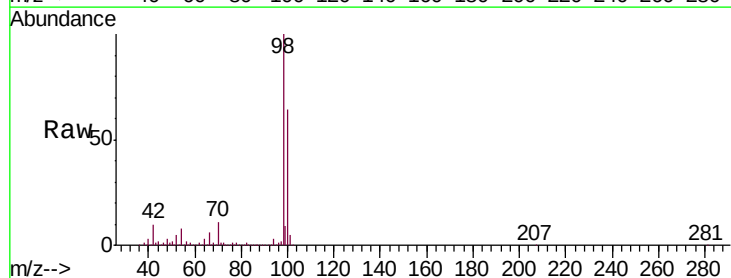
Acq: 29 Aug 2019 14:07

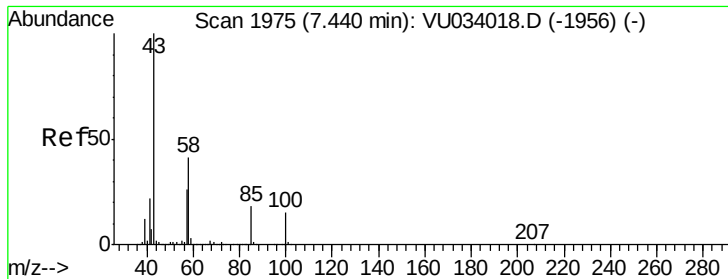
Tgt Ion: 98 Resp: 857073

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5

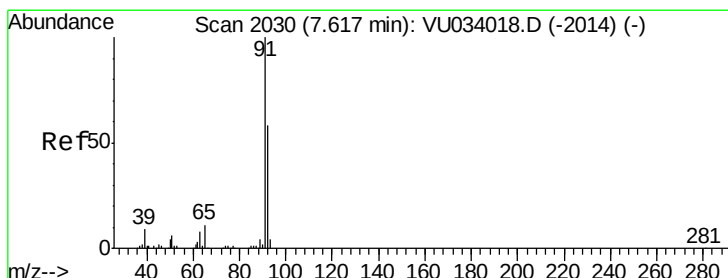
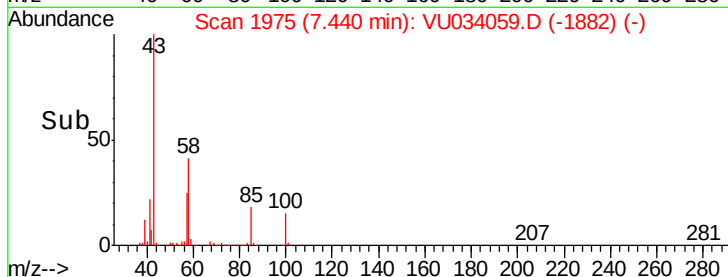
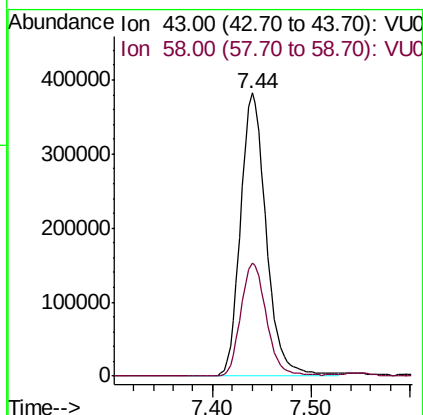
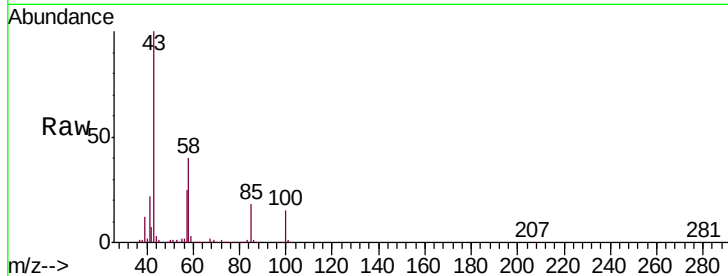




#51
 4-Methyl-2-Pentanone
 Concen: 94.837 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

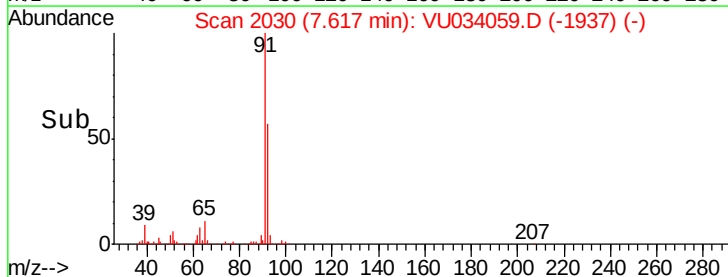
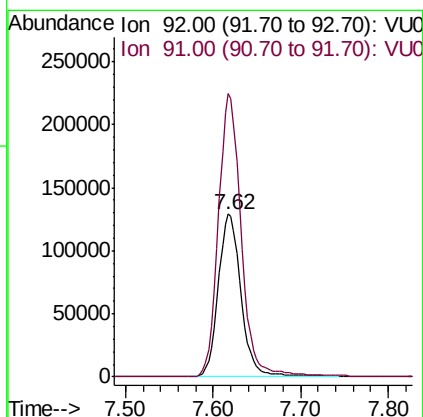
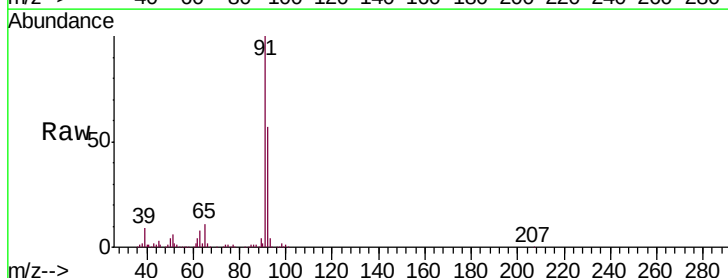
Instrument :
 MSVOA_U
 ClientSampleId :

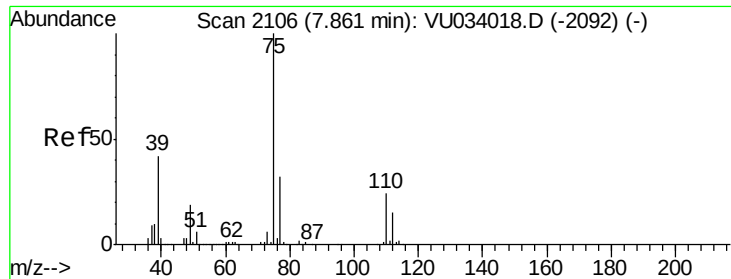
Tot Ion: 43 Resp: 687365
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.2 48.4



#52
 Toluene
 Concen: 20.403 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion: 92 Resp: 234264
 Ion Ratio Lower Upper
 92 100
 91 175.6 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.502 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

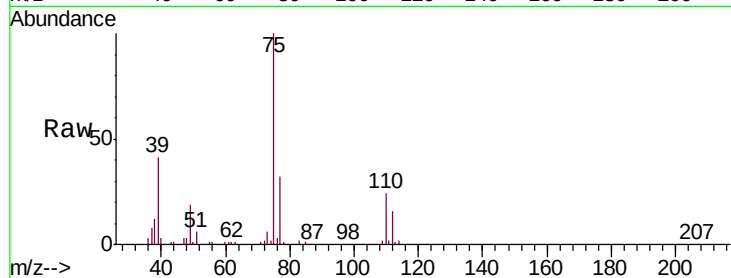
ClientSampleId :

Tot Ion: 75 Resp: 132770

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2092) (-)

Ion 76.90 (76.60 to 77.60): VU034018.D (-2092) (-)

7.86

80000

60000

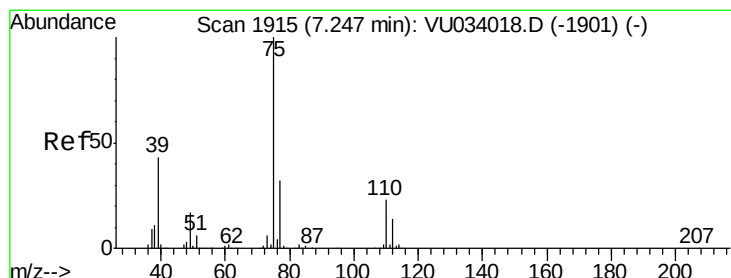
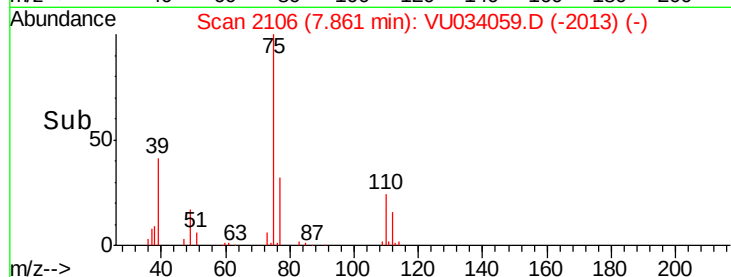
40000

20000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.313 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

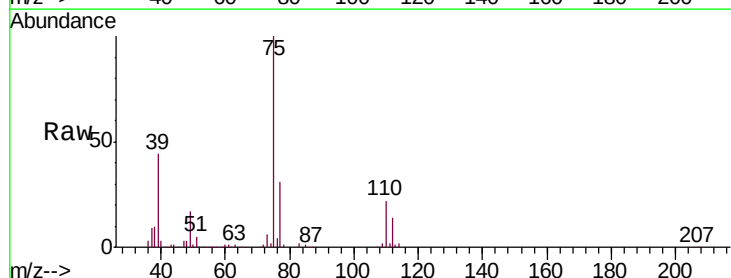
Tgt Ion: 75 Resp: 151406

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 43.6 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-1901) (-)

Ion 76.90 (76.60 to 77.60): VU034018.D (-1901) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-1901) (-)

7.25

100000

80000

60000

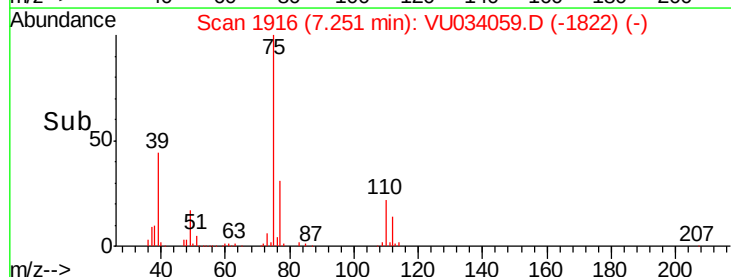
40000

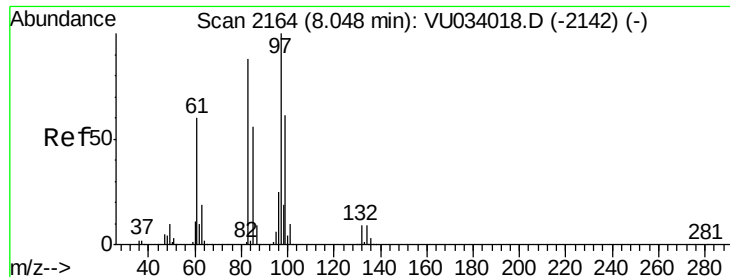
20000

0

7.20 7.30

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.578 ug/l

RT: 8.05 min Scan# 2164

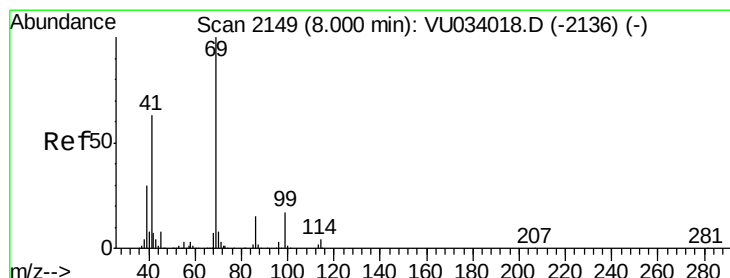
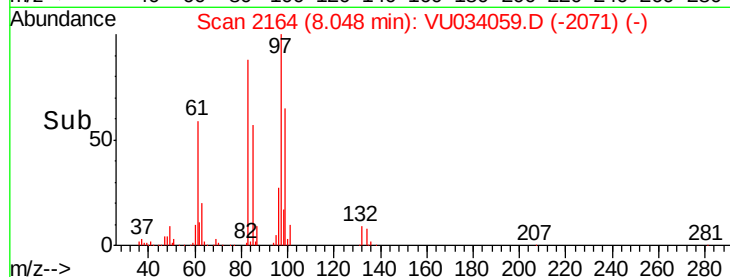
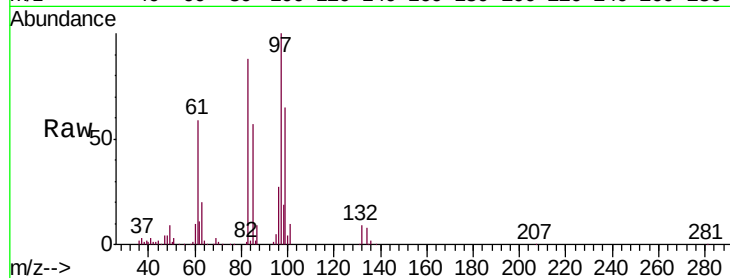
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	95084
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.1	105.1
85	56.3	45.0	67.4
99	64.1	49.8	74.8



#56

Ethyl methacrylate

Concen: 16.909 ug/l

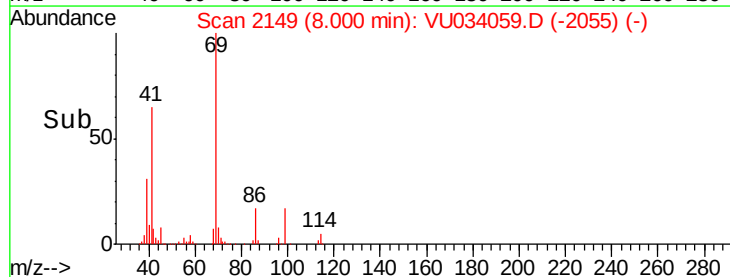
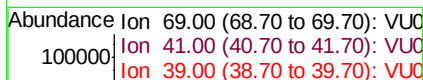
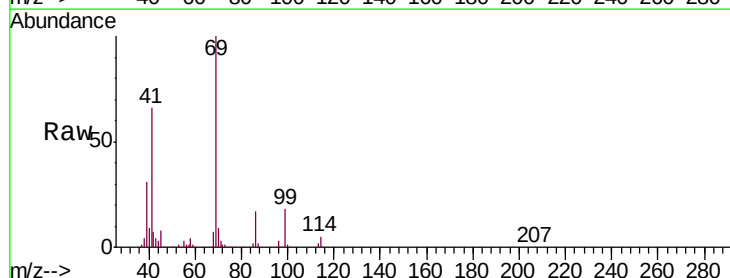
RT: 8.00 min Scan# 2149

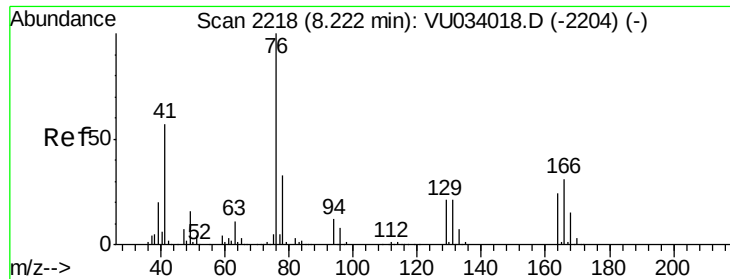
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	69	Resp:	130930
Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.7	76.1
39	30.7	24.2	36.2

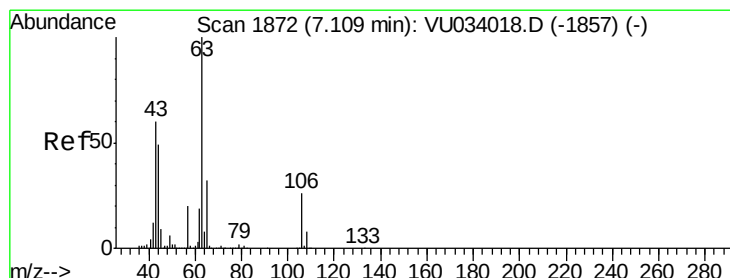
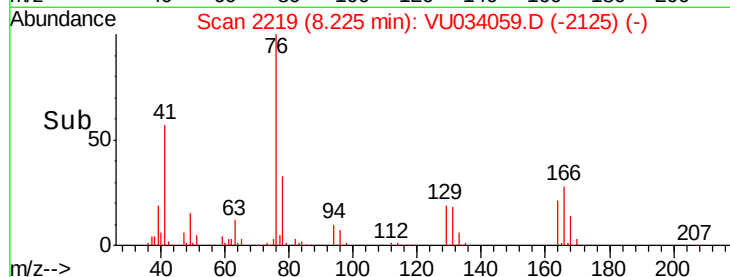
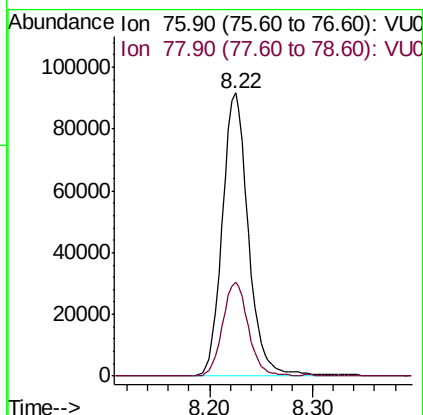
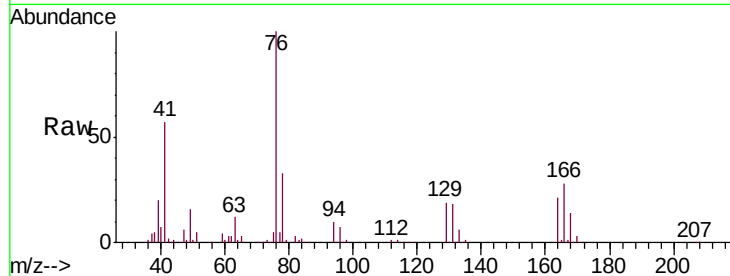




#57
 1,3-Dichloropropane
 Concen: 19.584 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

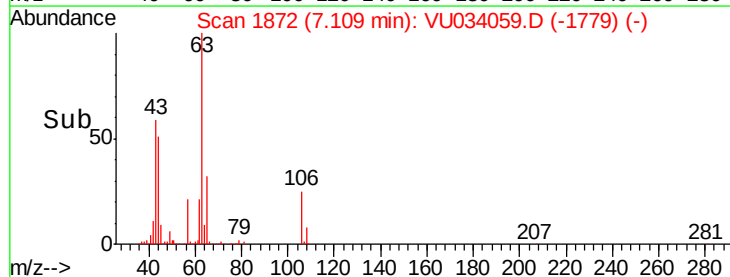
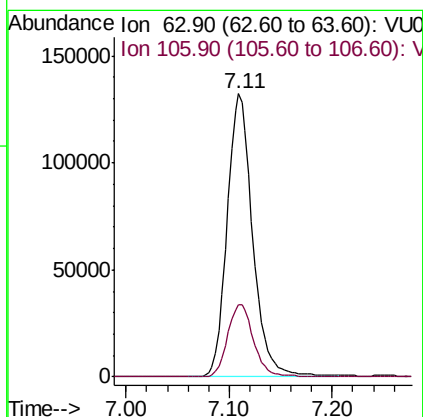
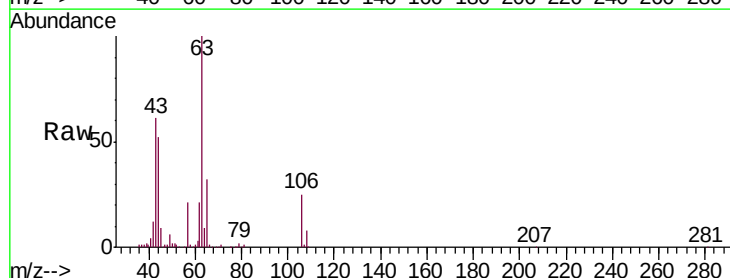
Instrument :
 MSVOA_U
 ClientSampleId :

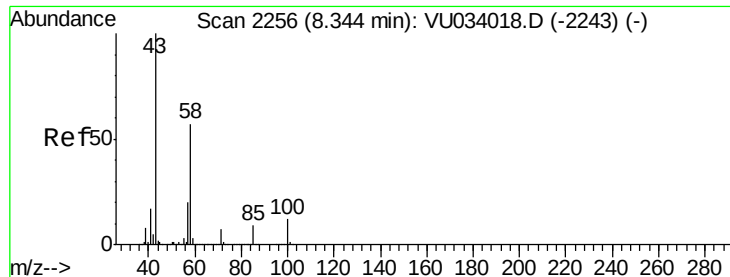
Tot Ion: 76 Resp: 161491
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.087 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion: 63 Resp: 228612
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.7 31.1

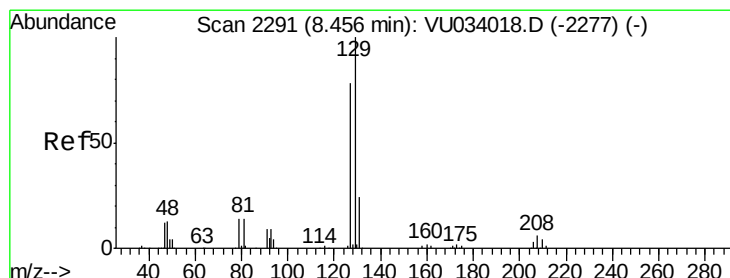
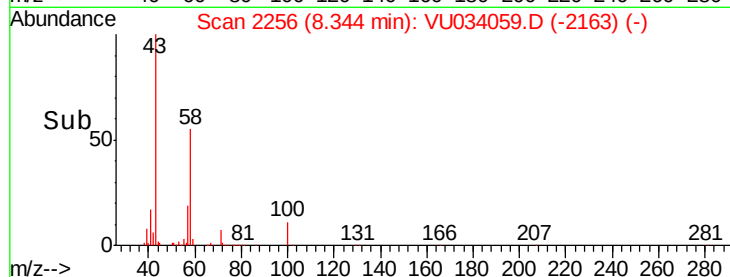
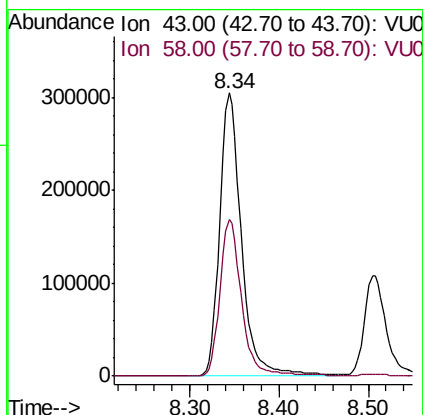
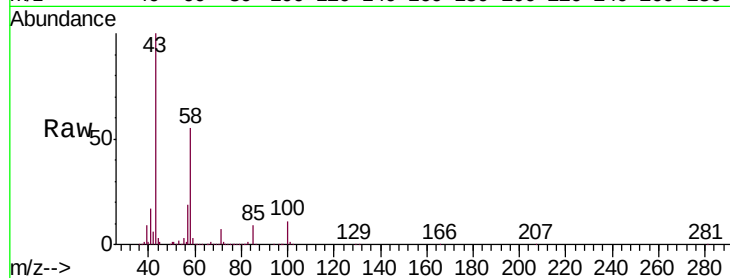




#59
2-Hexanone
Concen: 94.035 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

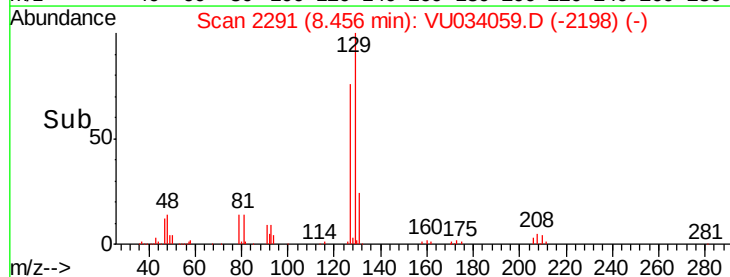
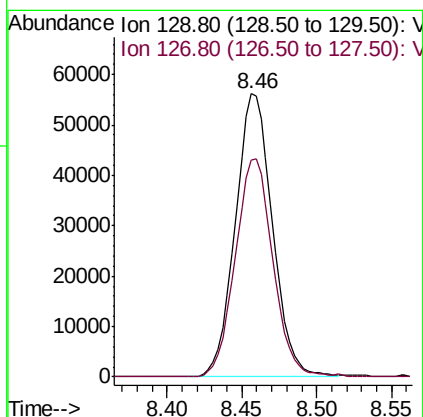
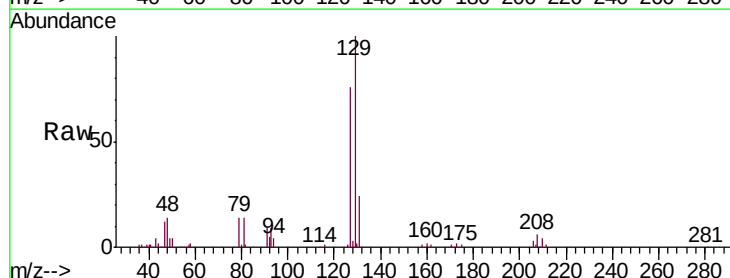
Instrument :
MSVOA_U
ClientSampleId :

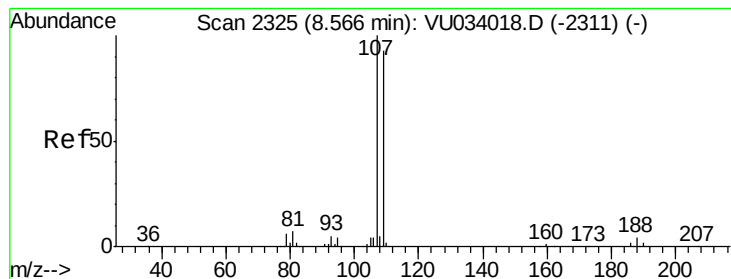
Tot Ion: 43 Resp: 514510
Ion Ratio Lower Upper
43 100
58 55.7 28.4 85.3



#60
Dibromochloromethane
Concen: 18.632 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 129 Resp: 97131
Ion Ratio Lower Upper
129 100
127 78.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.919 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

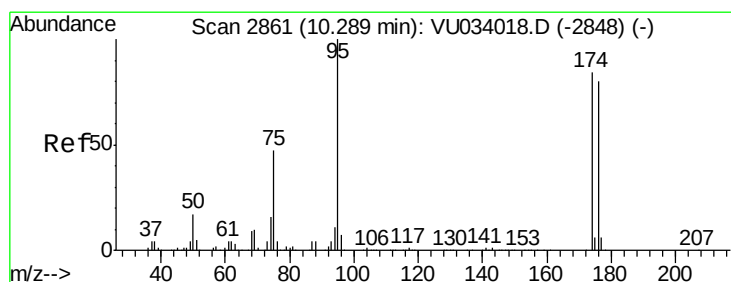
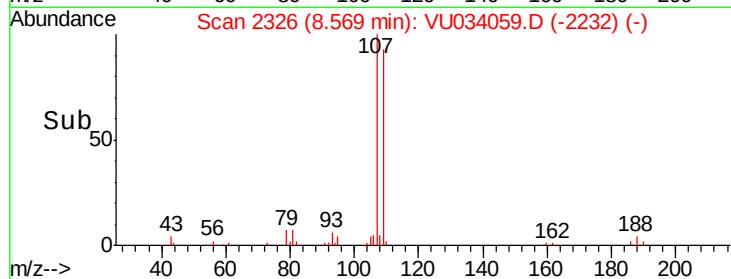
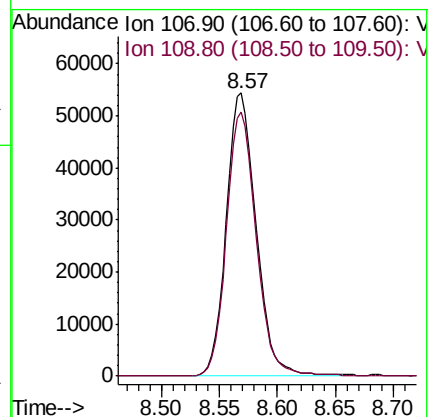
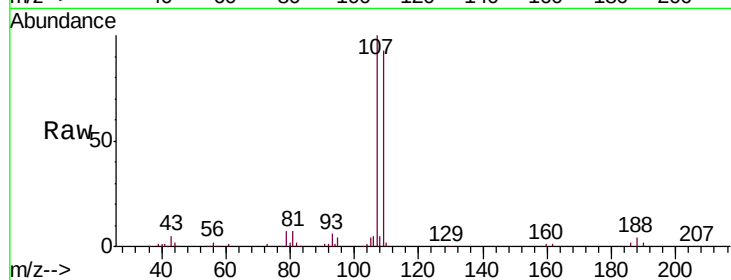
ClientSampleId :

Tot Ion:107 Resp: 96788

Ion Ratio Lower Upper

107 100

109 93.3 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.104 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

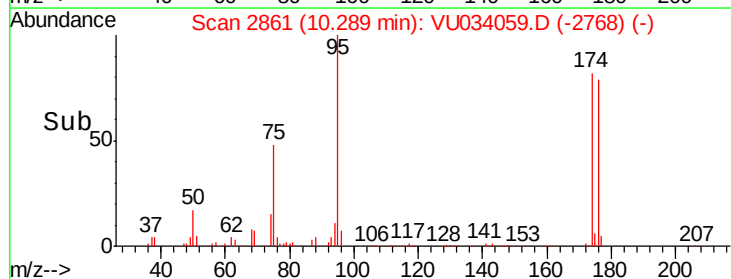
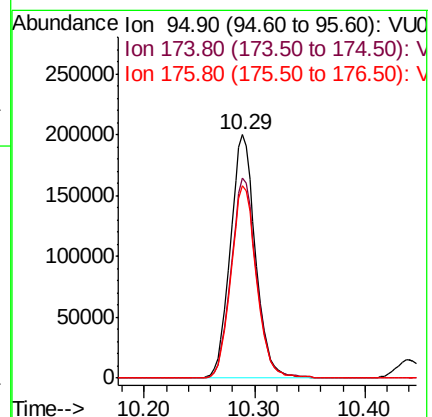
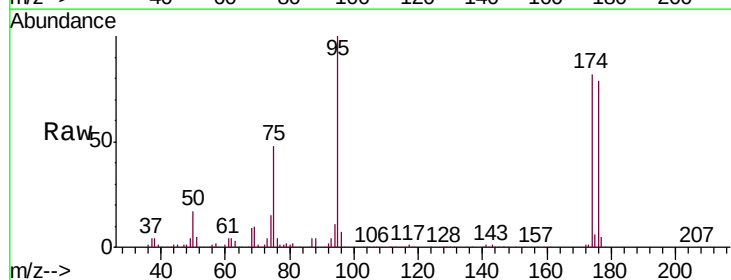
Tgt Ion: 95 Resp: 316501

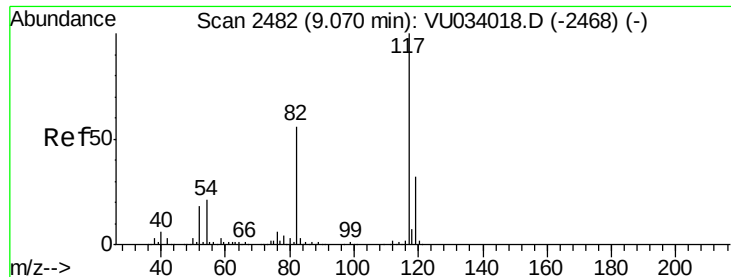
Ion Ratio Lower Upper

95 100

174 83.3 0.0 168.8

176 80.3 0.0 161.8

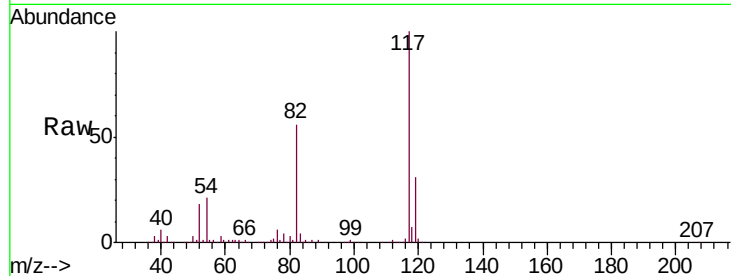




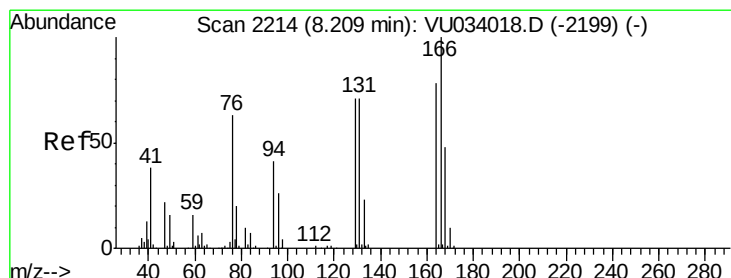
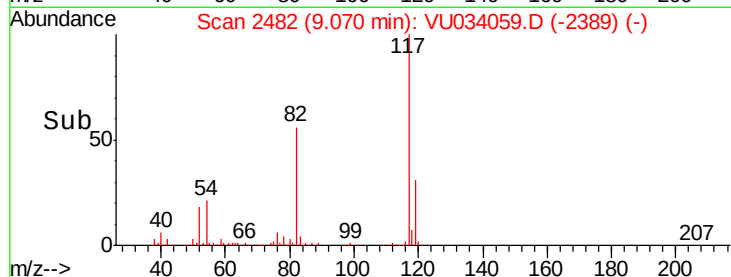
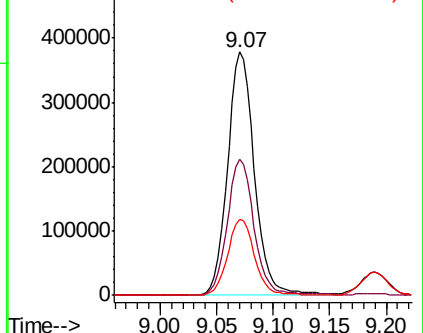
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 626581
Ion Ratio Lower Upper
117 100
82 55.7 45.1 67.7
119 31.5 25.4 38.0

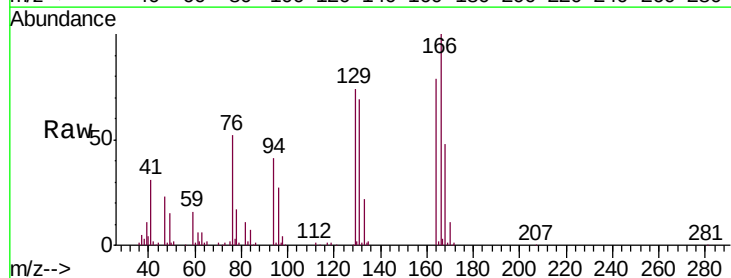


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

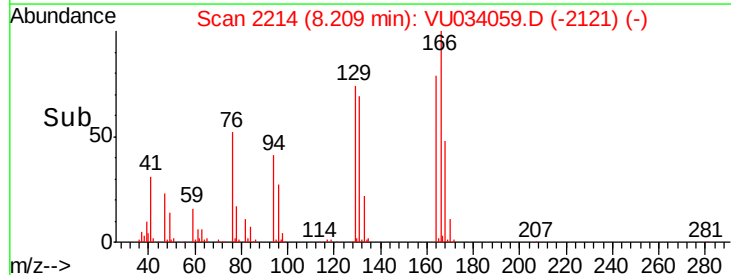
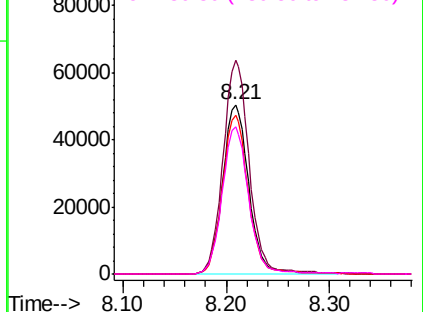


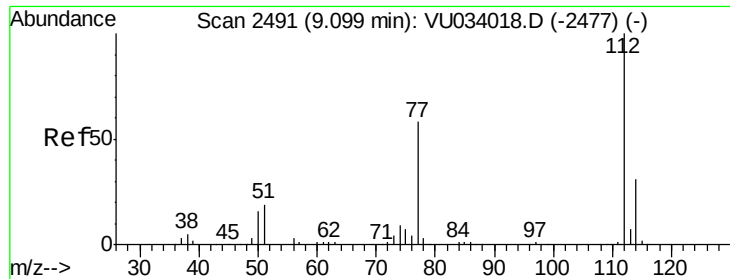
#64
Tetrachloroethene
Concen: 21.221 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion:164 Resp: 89298
Ion Ratio Lower Upper
164 100
166 126.0 102.2 153.2
129 93.9 72.4 108.6
131 86.6 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

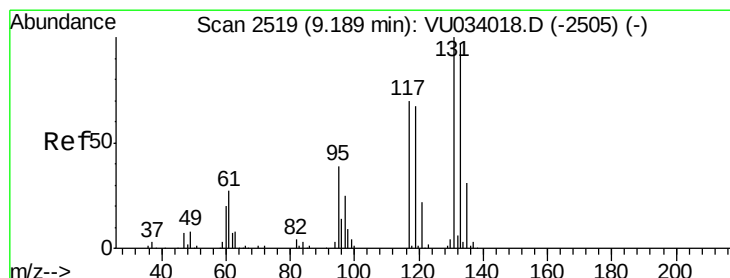
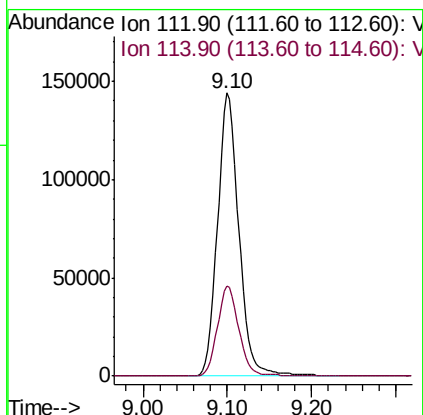
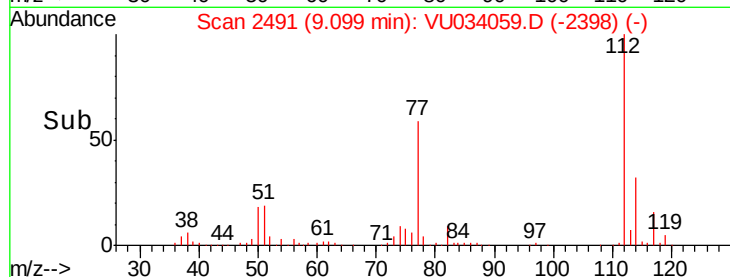
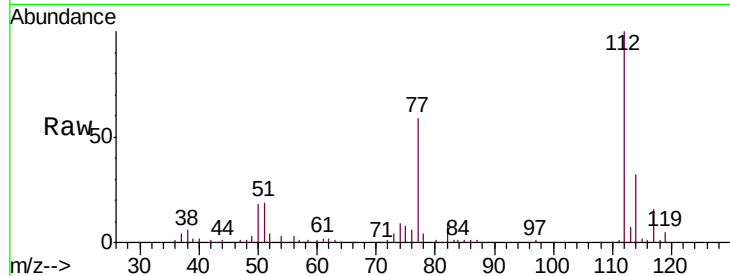




#65
Chlorobenzene
Concen: 19.674 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

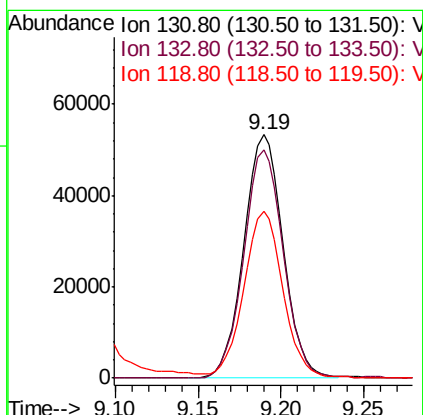
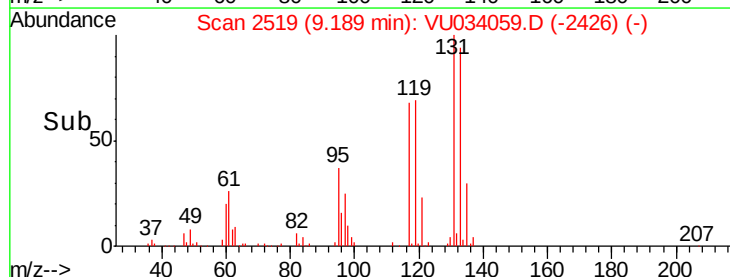
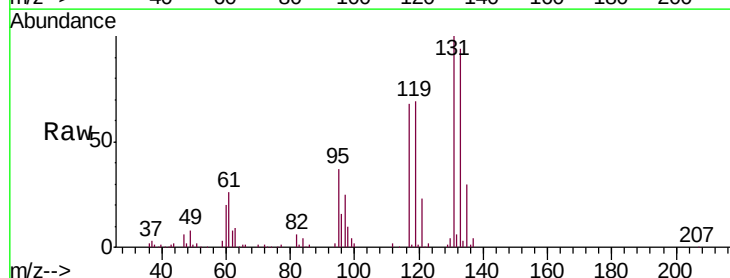
Instrument :
MSVOA_U
ClientSampleId :

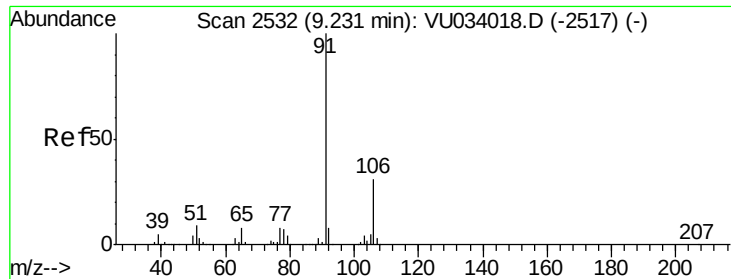
Tot Ion:112 Resp: 253685
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.850 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion:131 Resp: 88138
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.2
119 67.8 33.6 100.6

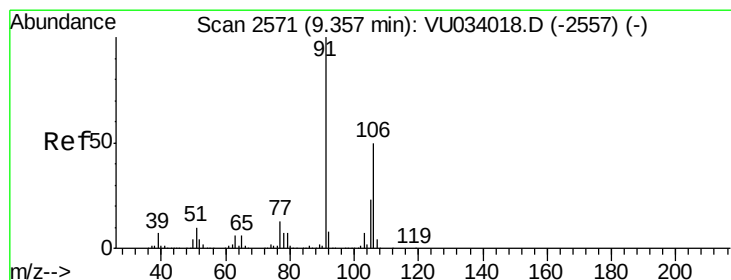
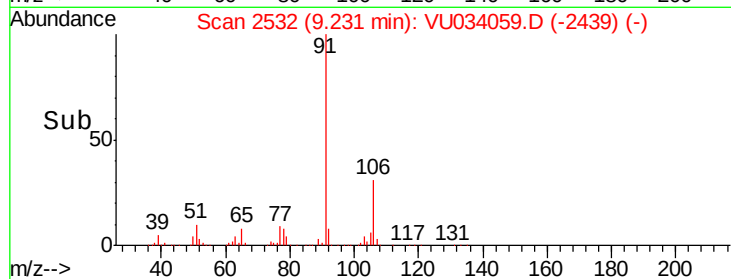
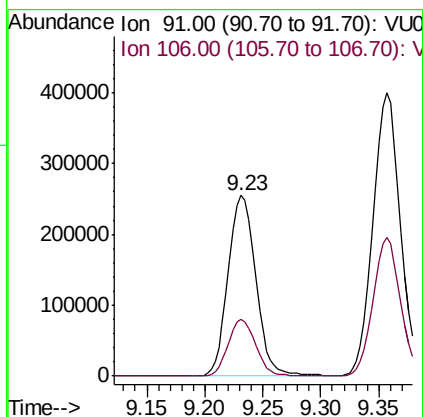
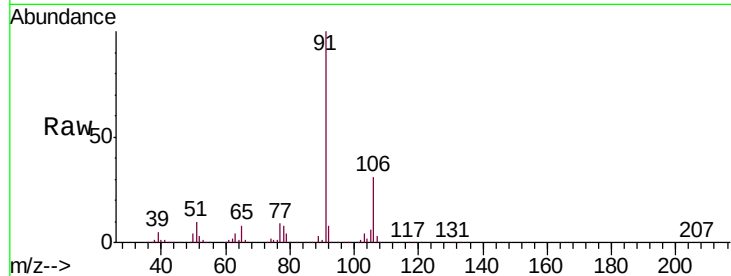




#67
Ethyl Benzene
Concen: 19.354 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

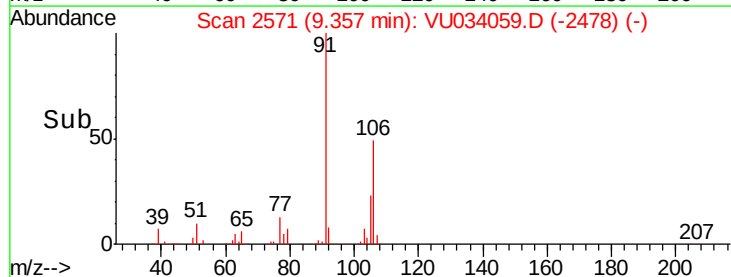
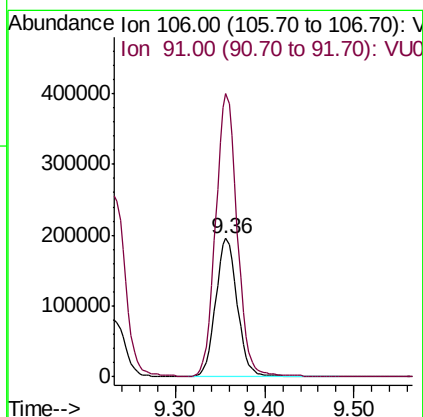
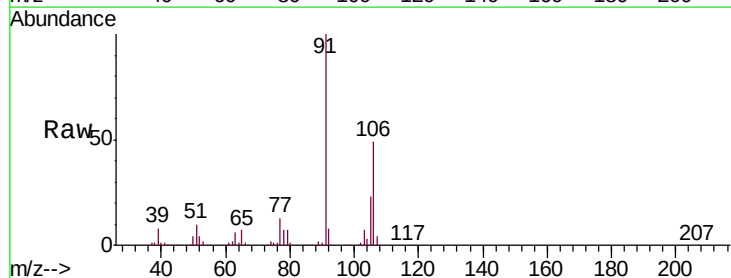
Instrument :
MSVOA_U
ClientSampleId :

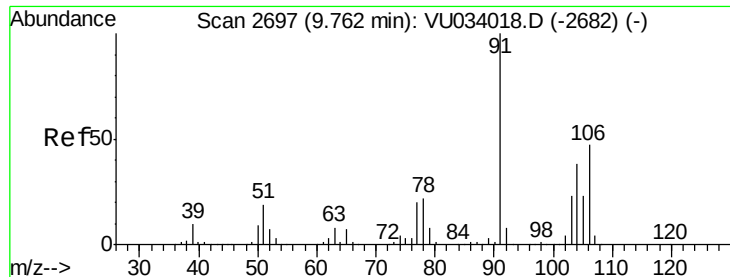
Tot Ion: 91 Resp: 423044
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 39.504 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 106 Resp: 328324
Ion Ratio Lower Upper
106 100
91 203.9 161.6 242.4

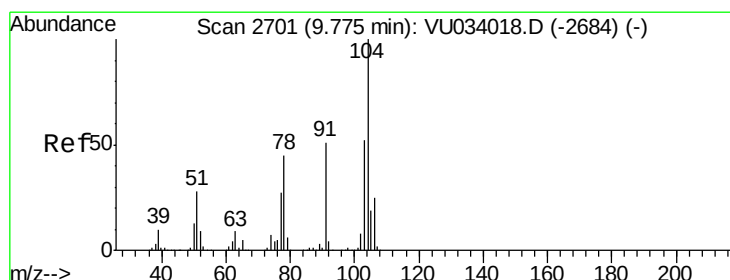
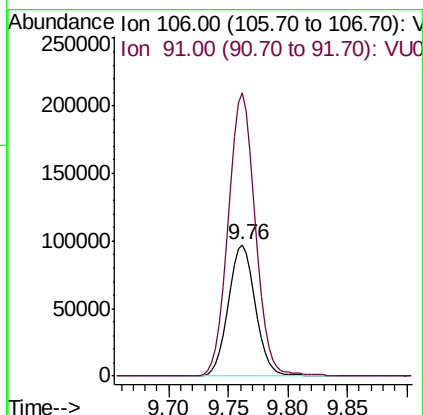
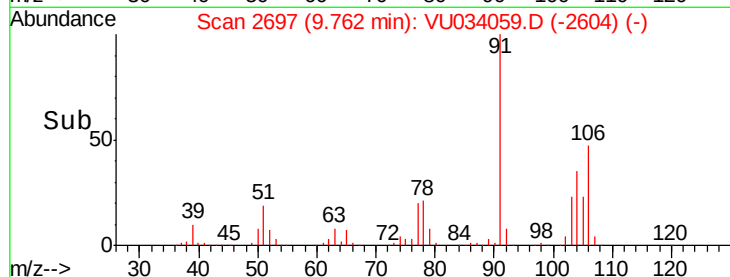
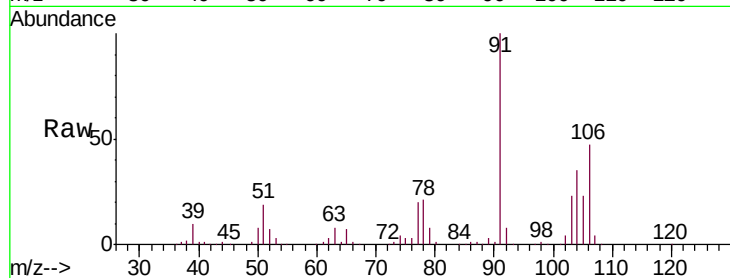




#69
o-Xylene
Concen: 19.278 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

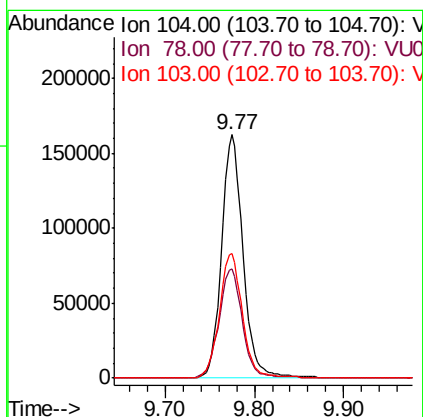
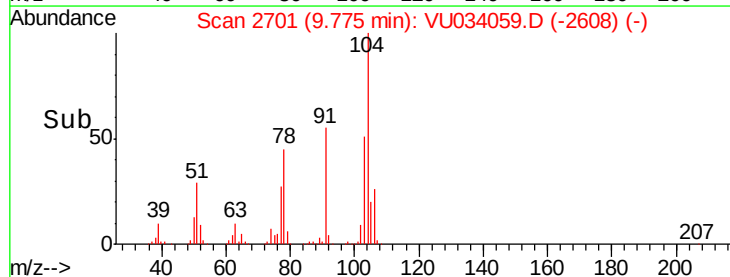
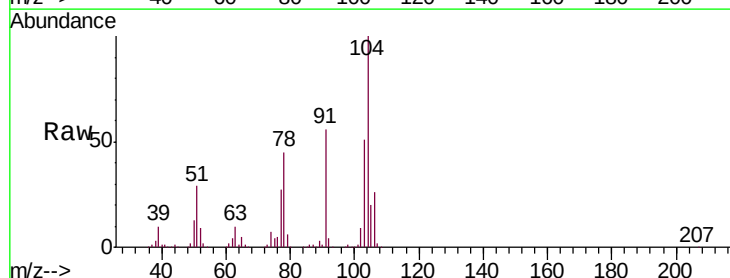
Instrument :
MSVOA_U
ClientSampled :

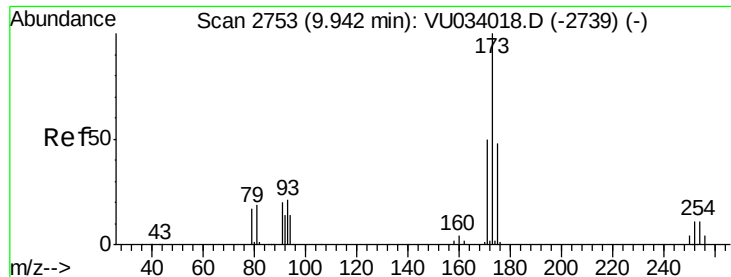
Tot Ion:106 Resp: 153718
Ion Ratio Lower Upper
106 100
91 215.6 106.0 318.0



#70
Styrene
Concen: 19.810 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion:104 Resp: 270833
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 54.9 44.0 66.0





#71

Bromoform

Concen: 17.915 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :

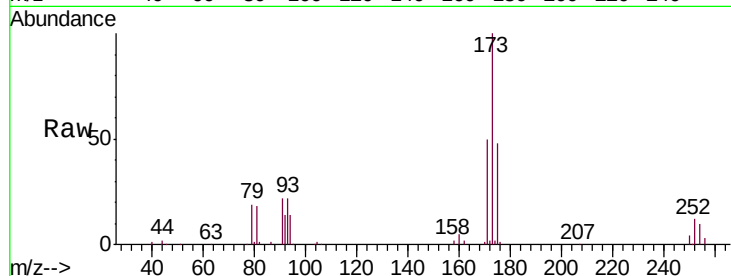
Tot Ion:173 Resp: 72778

Ion Ratio Lower Upper

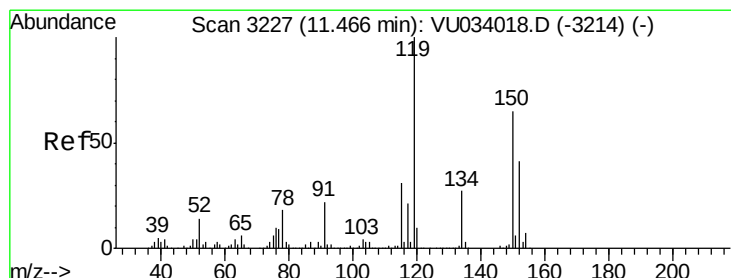
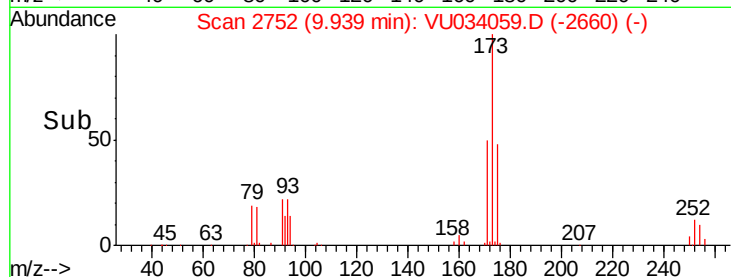
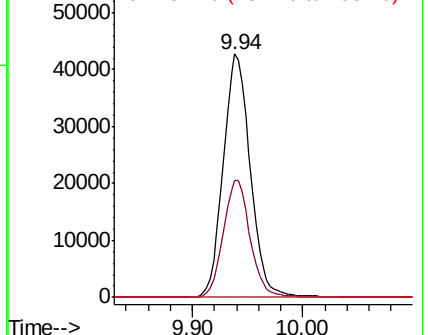
173 100

175 47.6 24.6 73.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

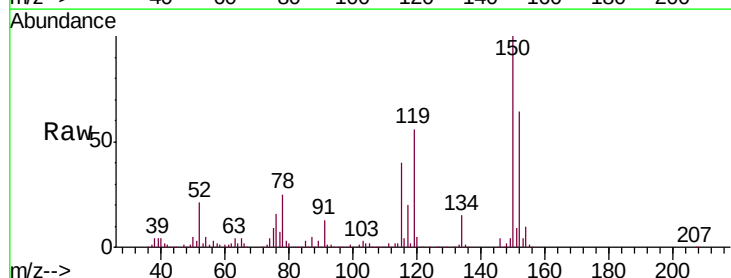
Tgt Ion:152 Resp: 338226

Ion Ratio Lower Upper

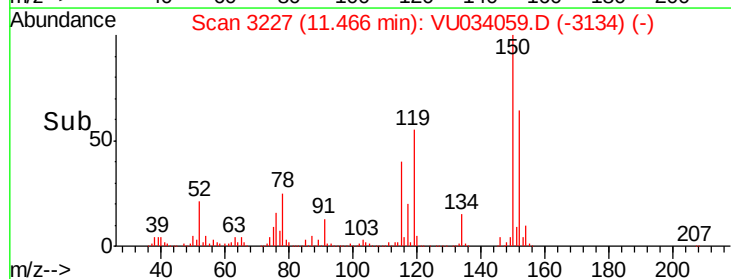
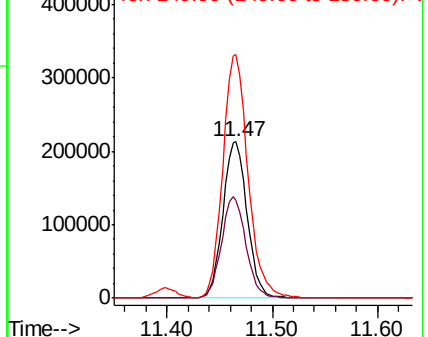
152 100

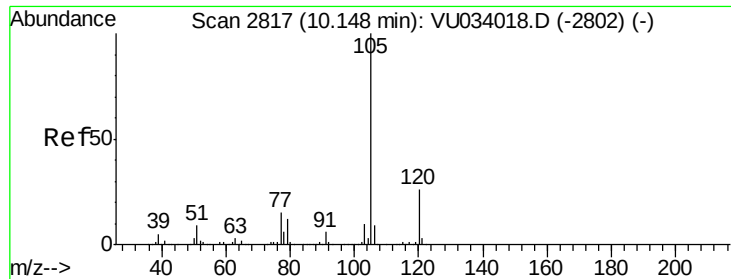
115 65.5 41.1 123.3

150 161.6 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

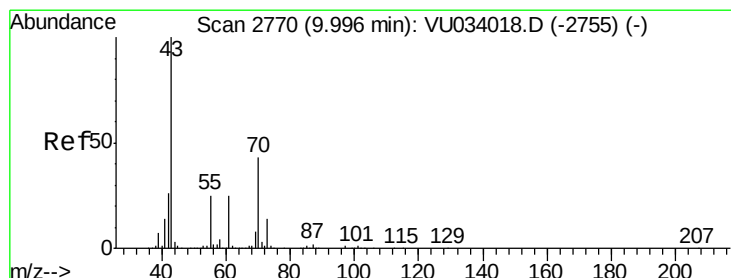
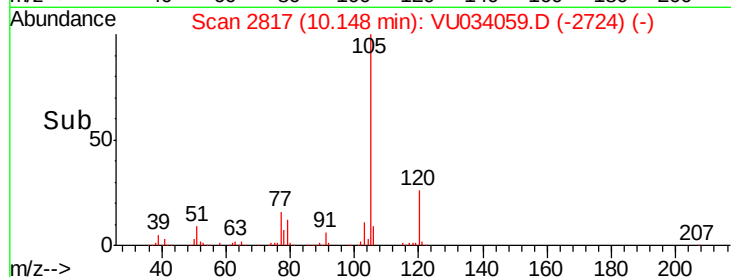
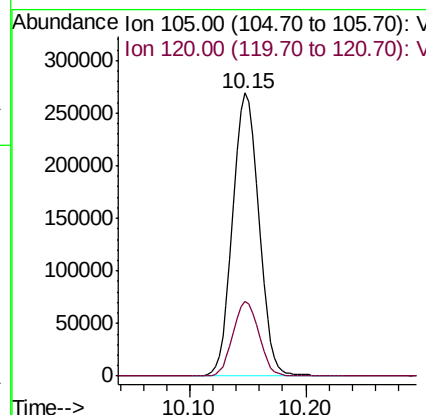
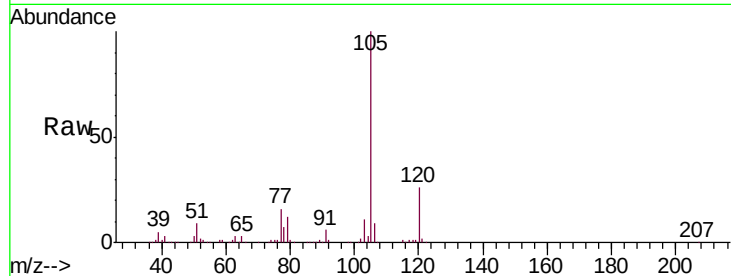




#73
Isopropylbenzene
Concen: 18.509 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

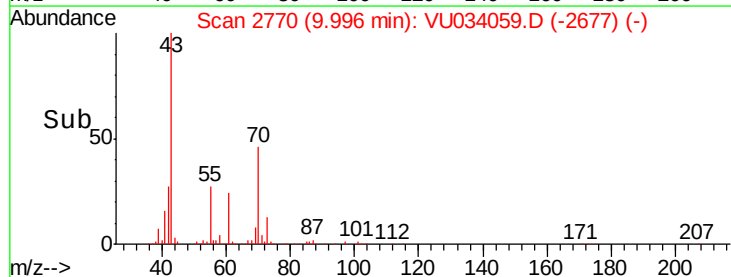
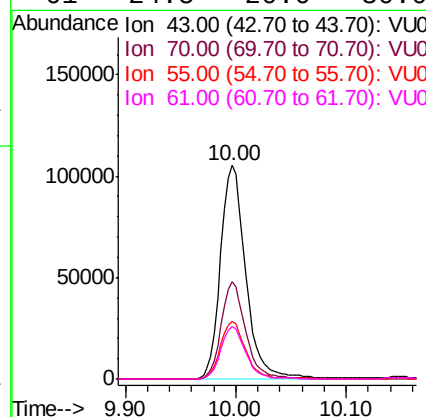
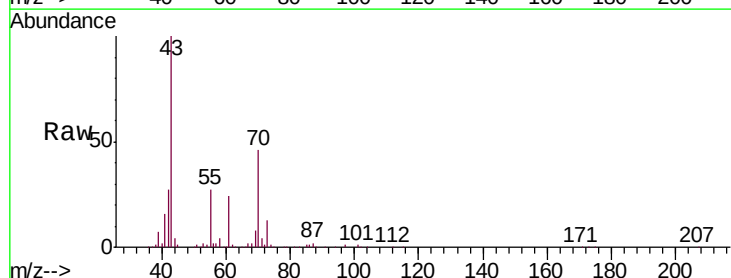
Instrument :
MSVOA_U
ClientSampleId :

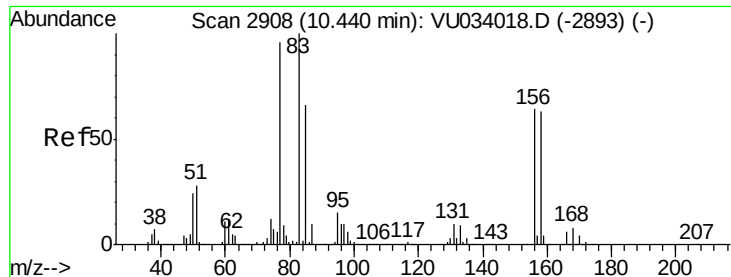
Tot Ion:105 Resp: 420505
Ion Ratio Lower Upper
105 100
120 26.2 13.3 39.8



#74
N-ethyl acetate
Concen: 17.459 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 43 Resp: 166822
Ion Ratio Lower Upper
43 100
70 44.7 35.2 52.8
55 27.2 20.5 30.7
61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.066 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

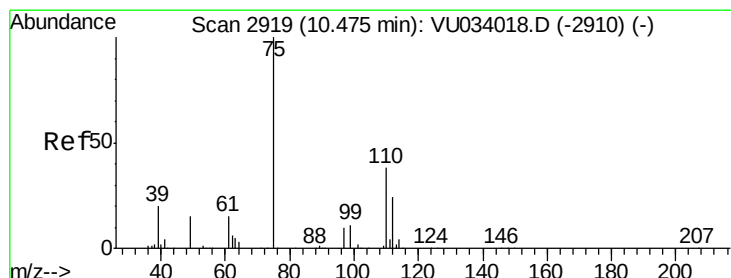
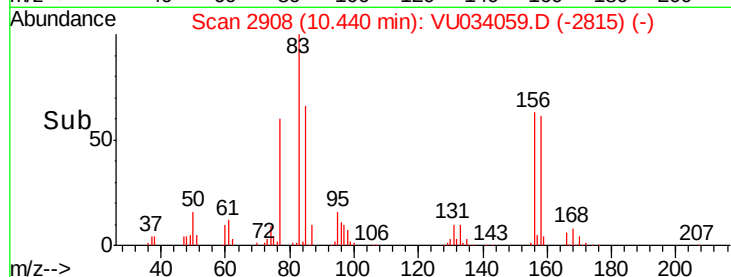
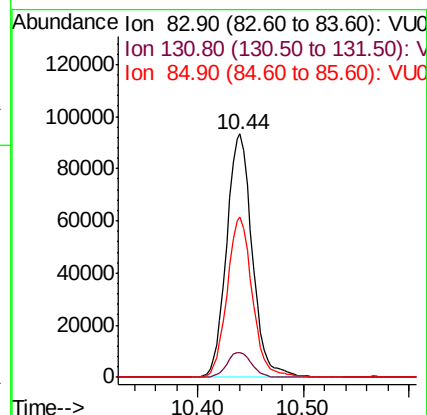
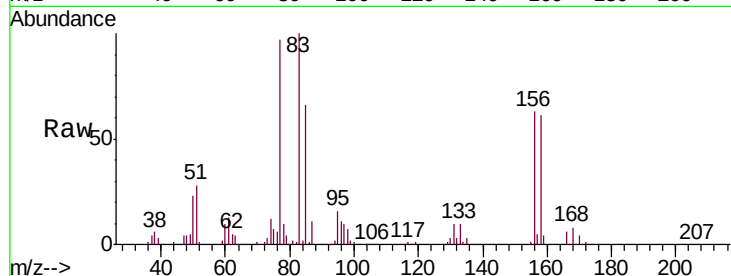
Tot Ion: 83 Resp: 157088

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 64.8 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 22.457 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034059.D

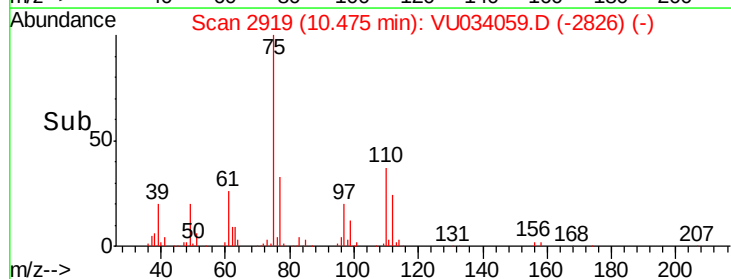
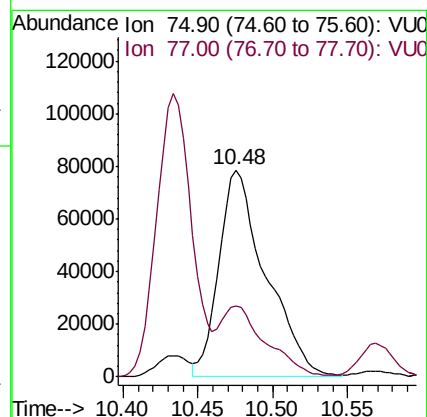
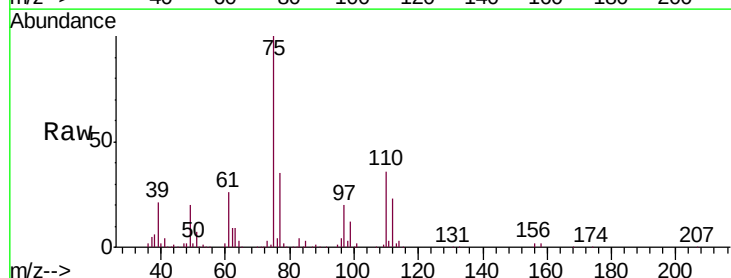
Acq: 29 Aug 2019 14:07

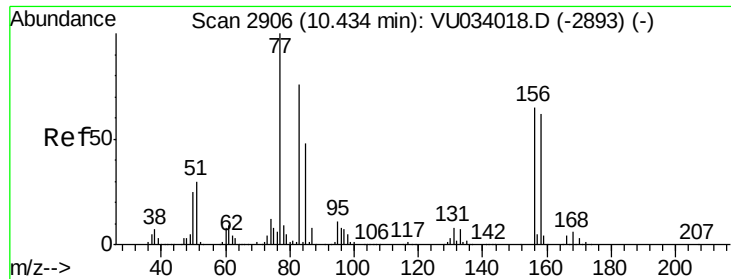
Tgt Ion: 75 Resp: 171190

Ion Ratio Lower Upper

75 100

77 31.6 20.1 60.2





#77

Bromobenzene

Concen: 18.677 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

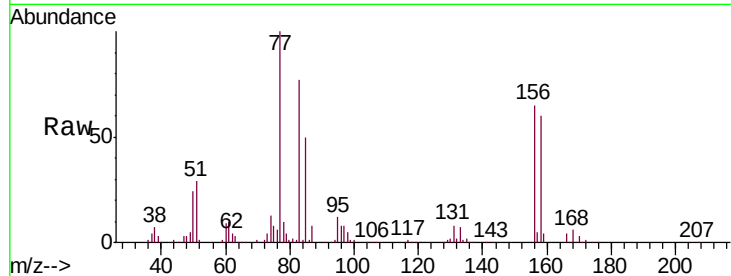
Tot Ion:156 Resp: 114143

Ion Ratio Lower Upper

156 100

77 154.2 76.8 230.5

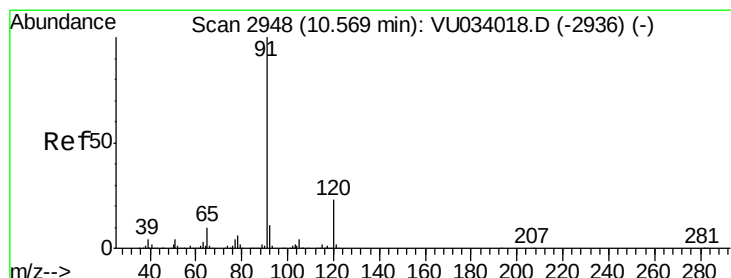
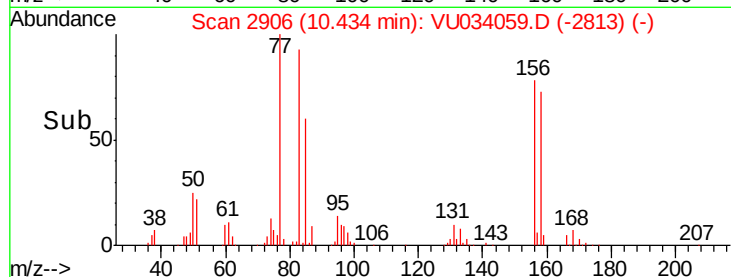
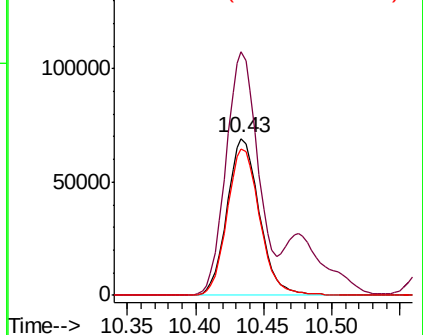
158 94.7 48.4 145.0



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: 18.839 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034059.D

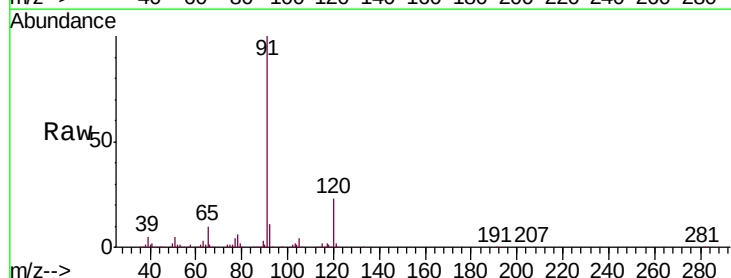
Acq: 29 Aug 2019 14:07

Tgt Ion: 91 Resp: 498435

Ion Ratio Lower Upper

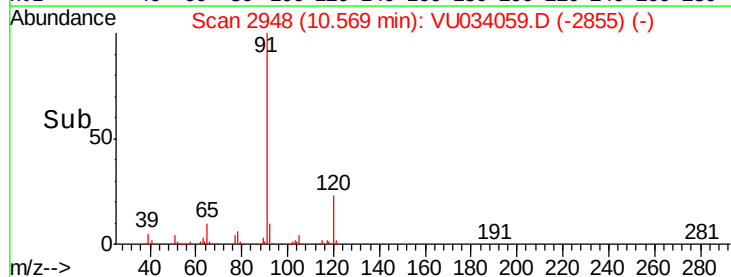
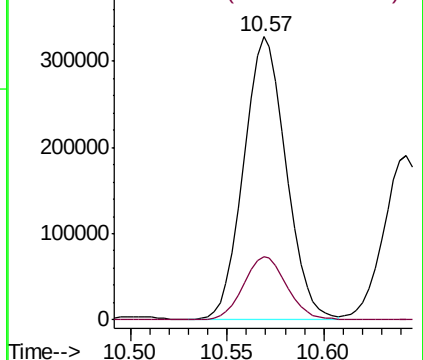
91 100

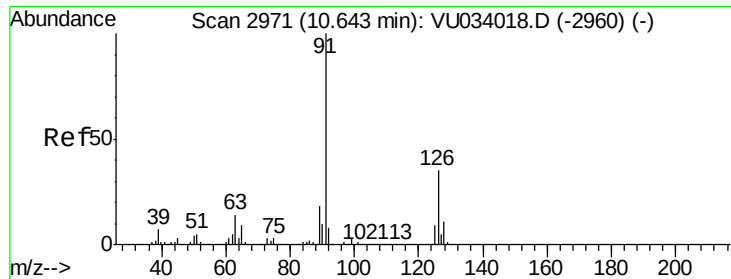
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.108 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

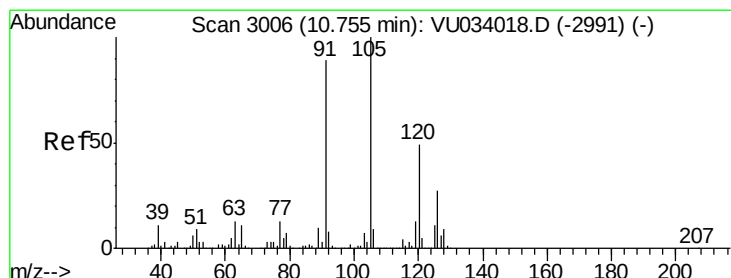
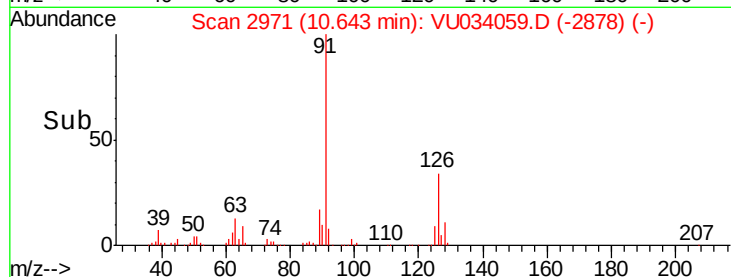
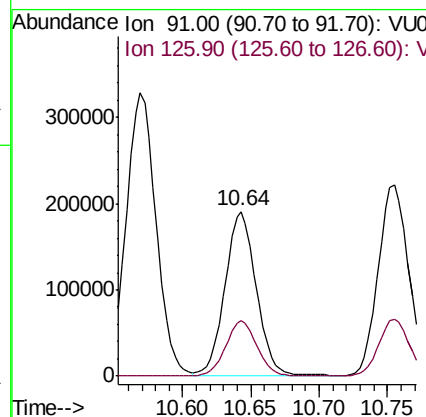
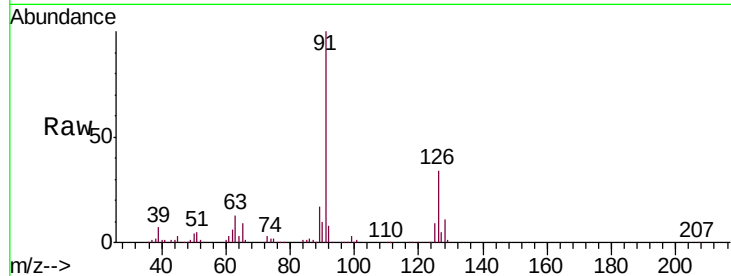
ClientSampleId :

Tot Ion: 91 Resp: 303232

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.357 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034059.D

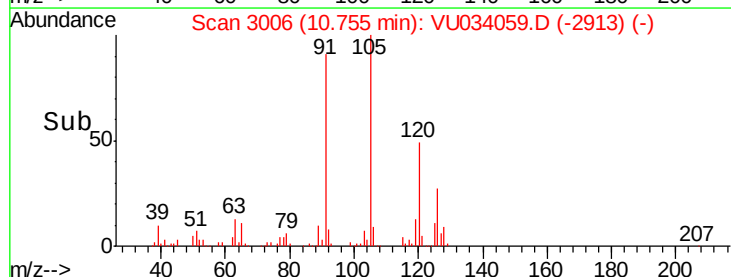
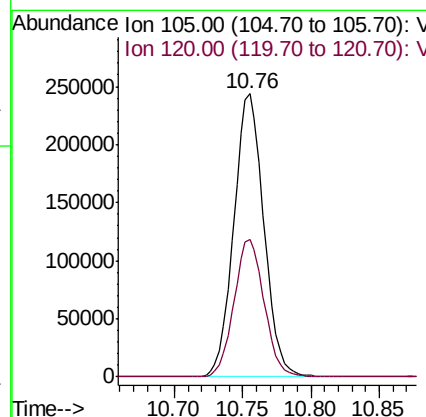
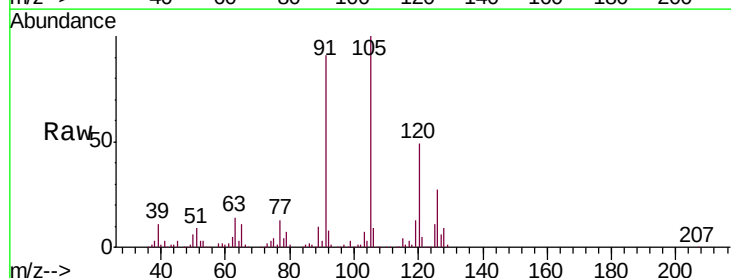
Acq: 29 Aug 2019 14:07

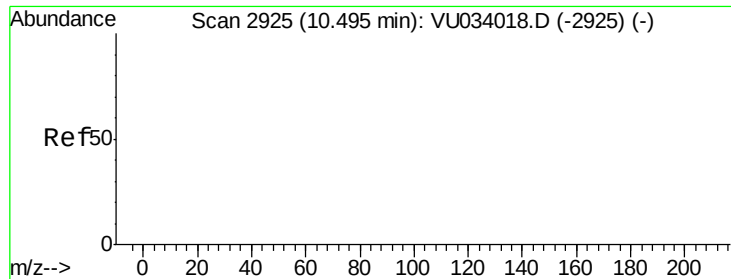
Tgt Ion: 105 Resp: 372729

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6

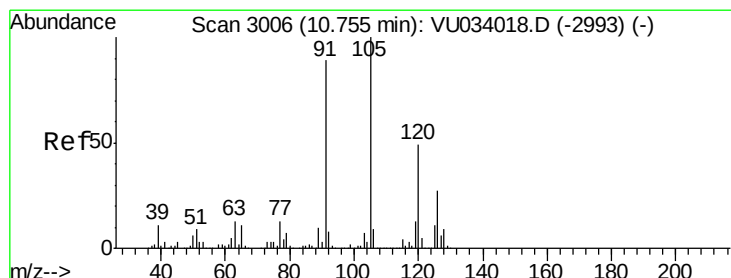
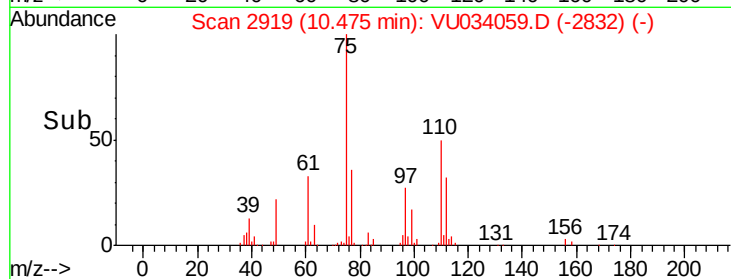
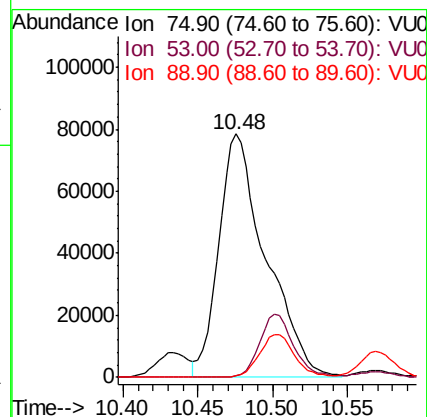
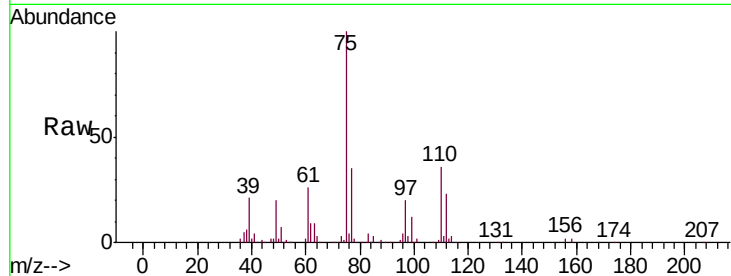




#81
trans-1,4-Dichloro-2-butene
Concen: 75.618 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

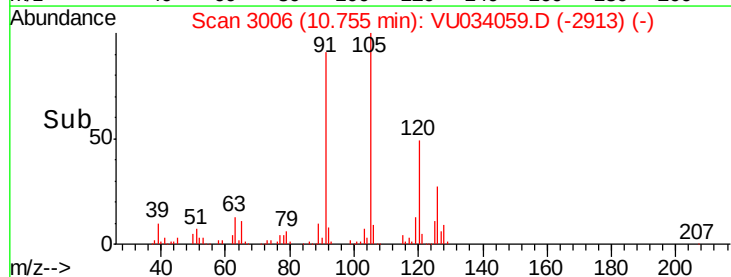
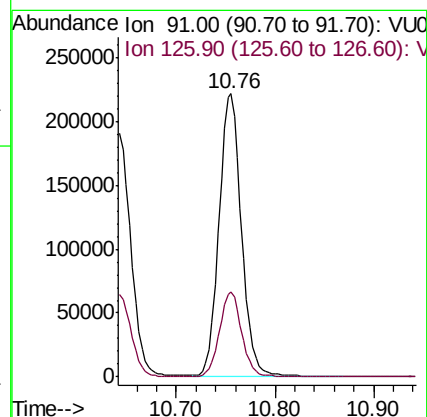
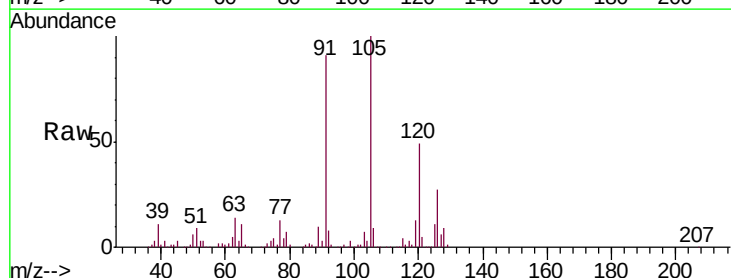
Instrument :
MSVOA_U
ClientSampleId :

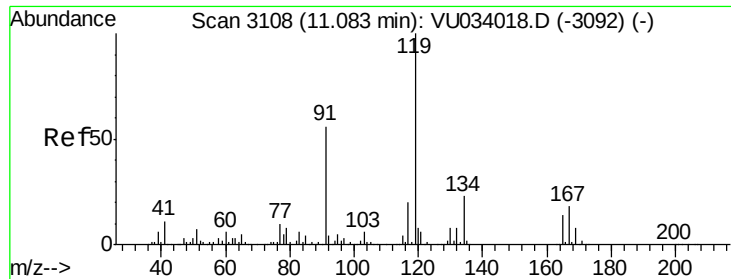
Tot Ion: 75 Resp: 171190
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.216 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 91 Resp: 350721
Ion Ratio Lower Upper
91 100
126 29.7 15.0 45.1

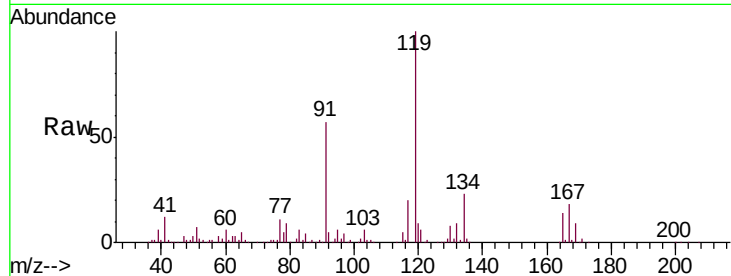




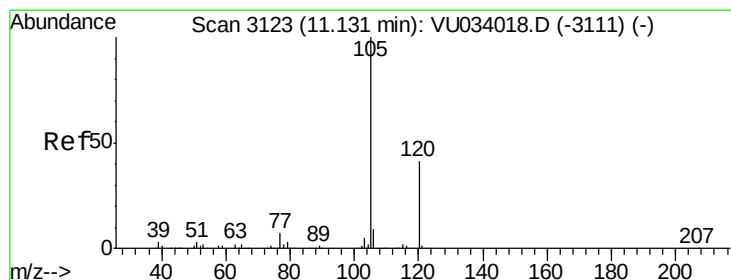
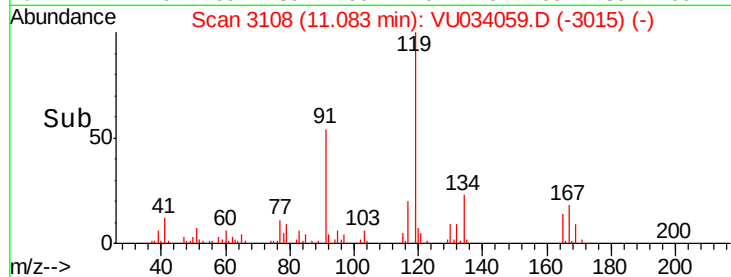
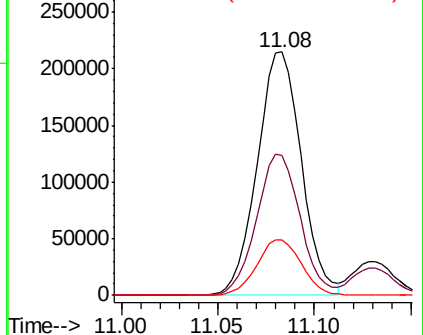
#83
tert-Butylbenzene
Concen: 18.022 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 341609
Ion Ratio Lower Upper
119 100
91 57.0 27.9 83.6
134 23.3 11.4 34.2

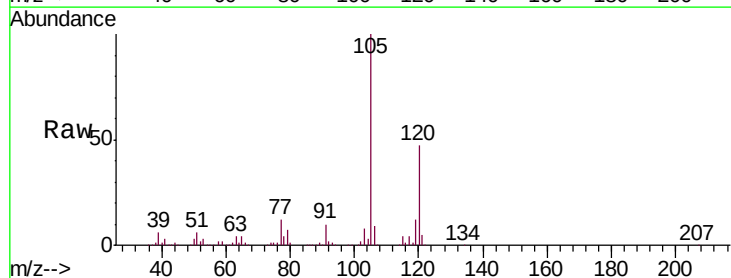


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

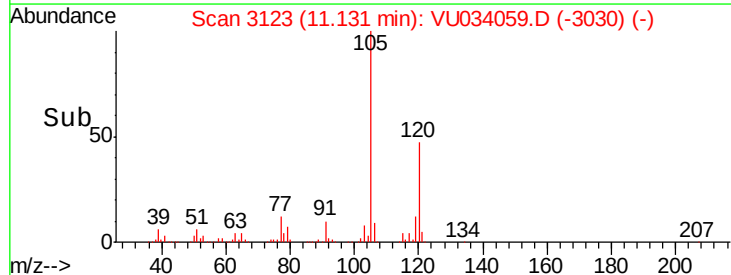
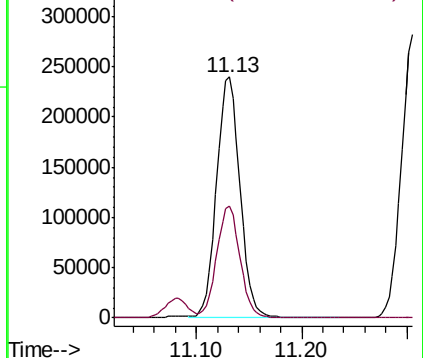


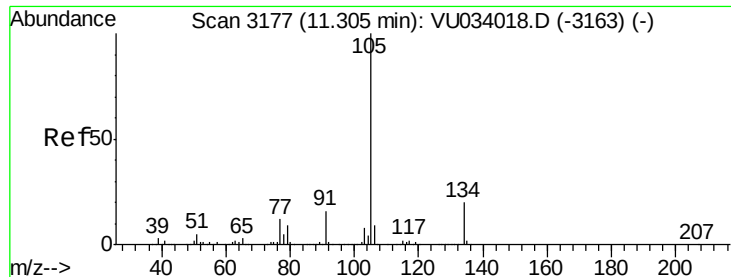
#84
1,2,4-Trimethylbenzene
Concen: 19.218 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion:105 Resp: 367452
Ion Ratio Lower Upper
105 100
120 46.6 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: 18.758 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

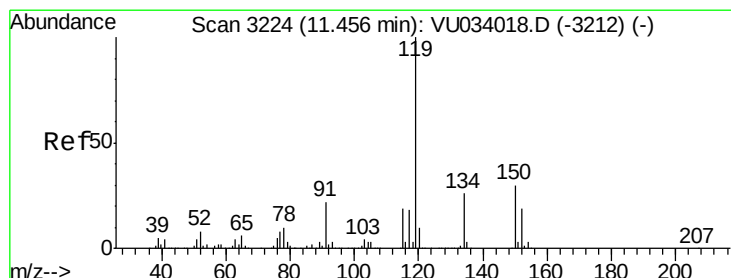
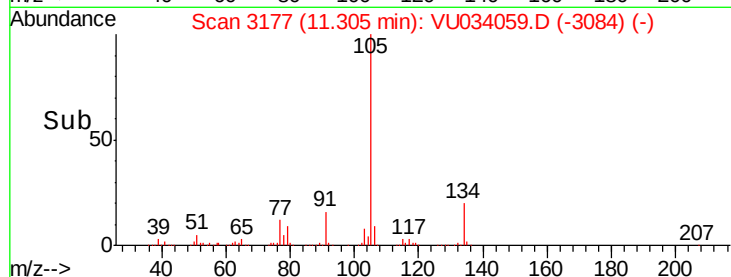
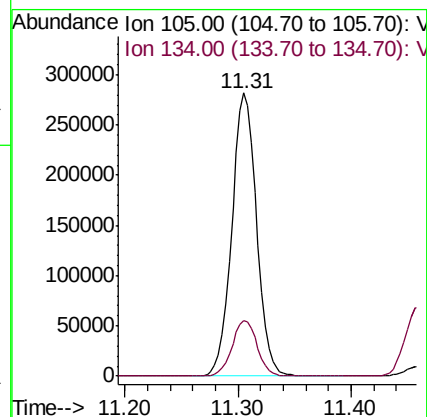
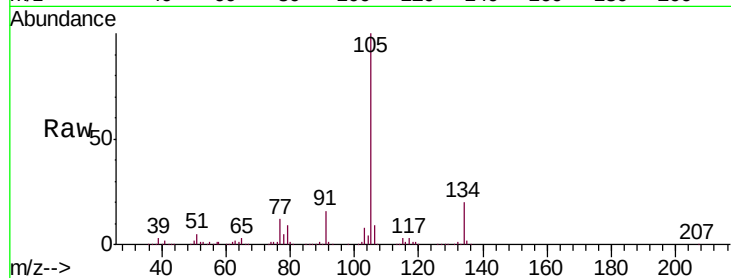
ClientSampleId :

Tot Ion:105 Resp: 426164

Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0



#86

p-Isopropyltoluene

Concen: 19.078 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

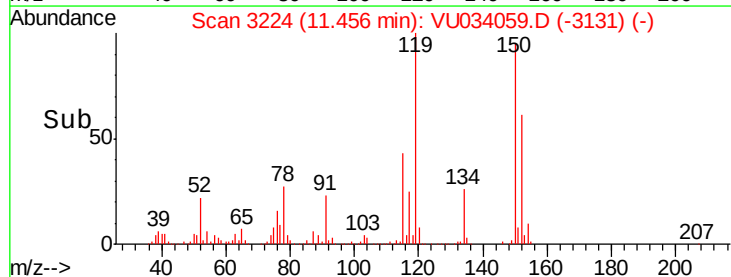
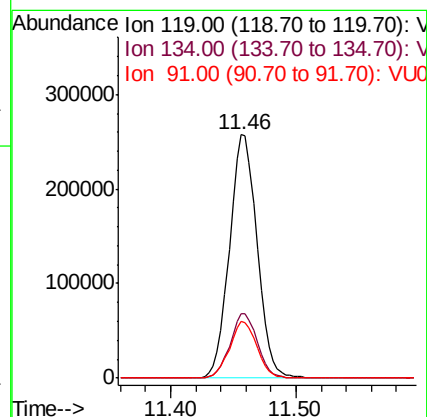
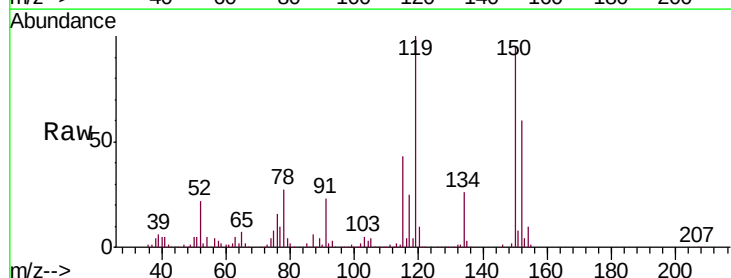
Tgt Ion:119 Resp: 392012

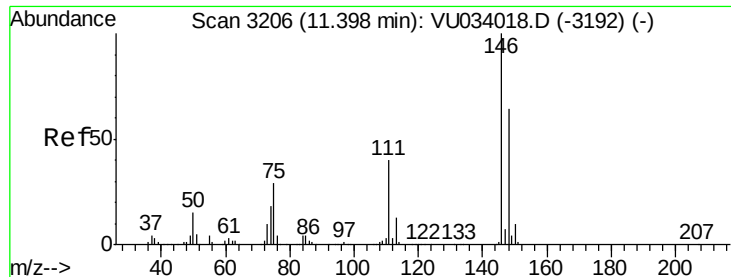
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 22.9 11.2 33.6

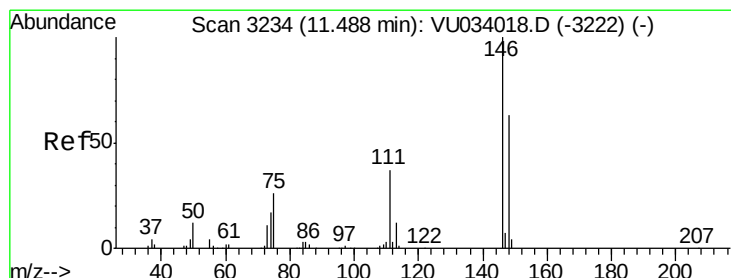
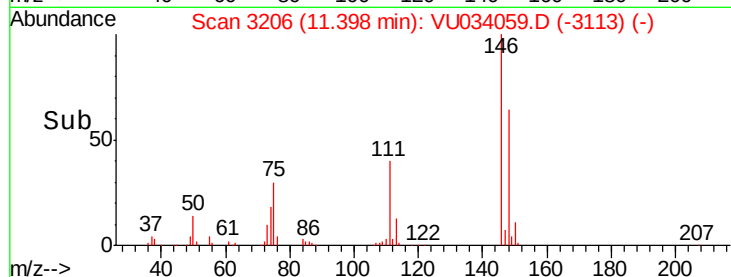
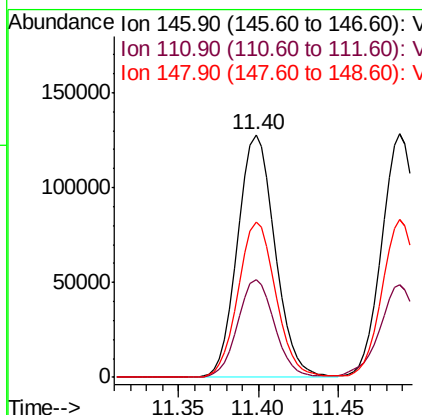
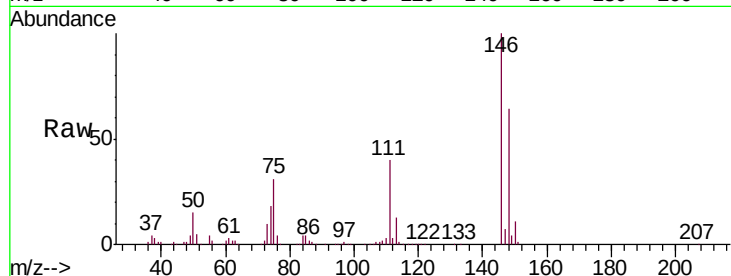




#87
 1,3-Dichlorobenzene
 Concen: 18.829 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

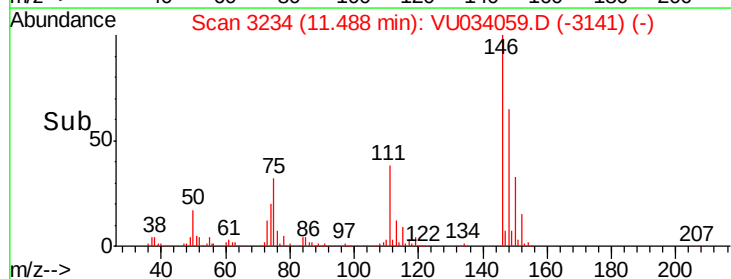
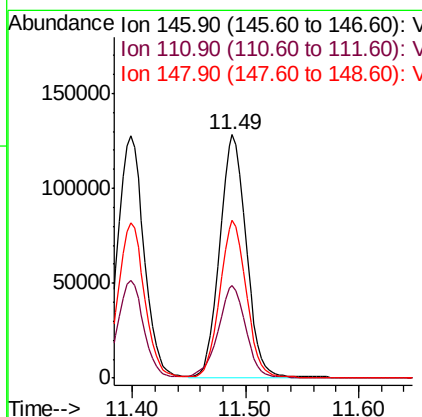
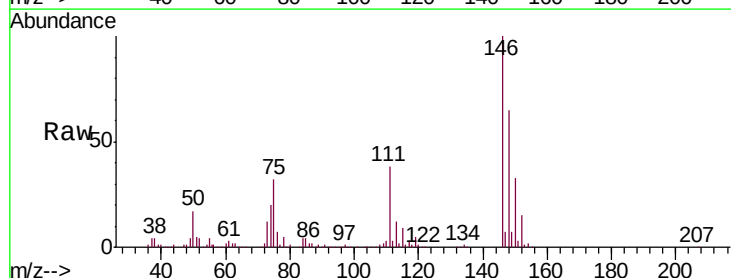
Instrument :
 MSVOA_U
 ClientSampleId :

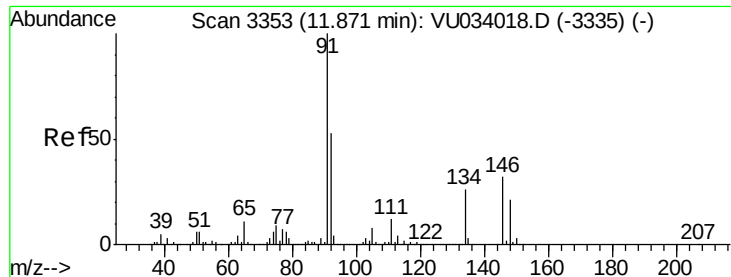
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	64.3	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.114 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	64.5	31.9	95.9

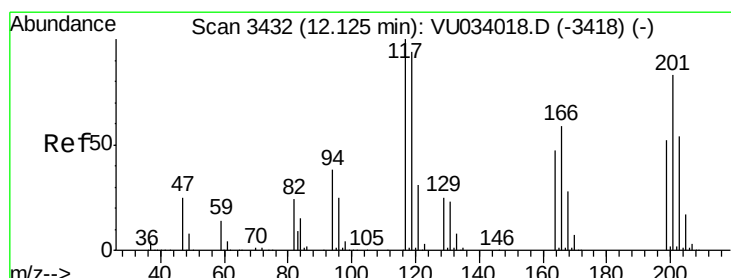
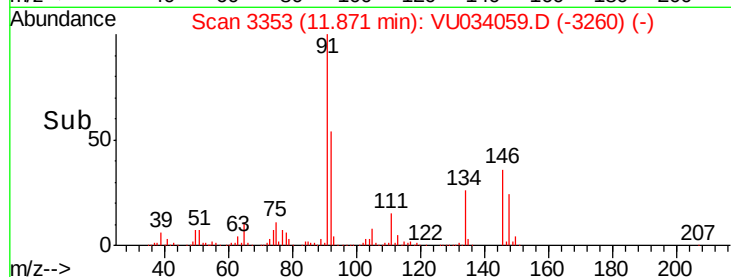
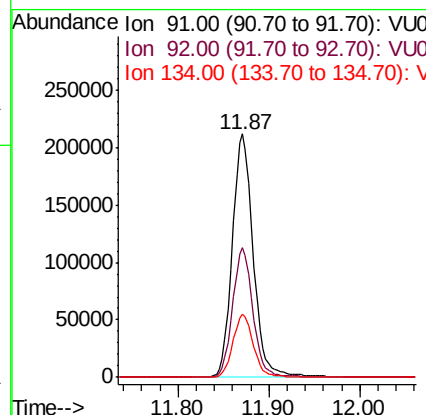
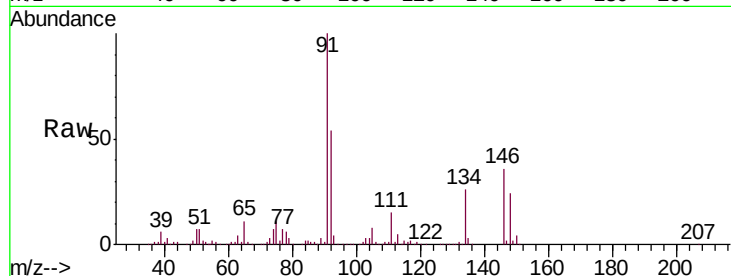




#89
n-Butylbenzene
Concen: 18.720 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

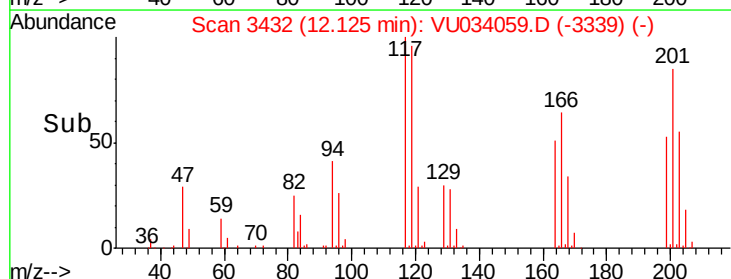
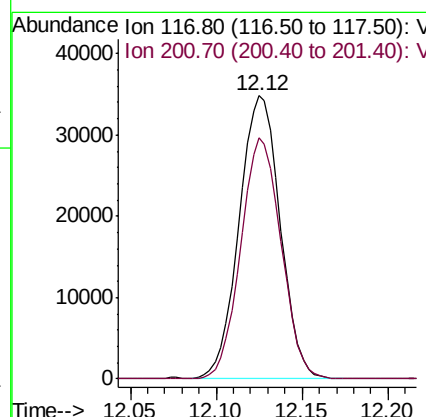
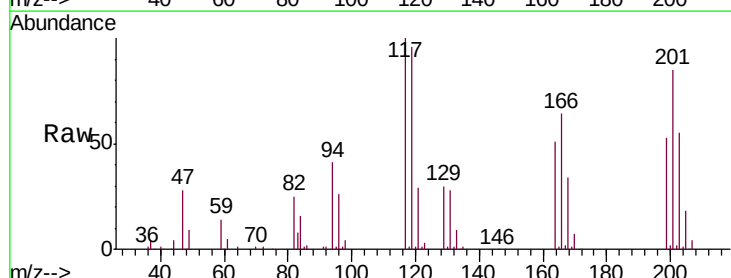
Instrument :
MSVOA_U
ClientSampled :

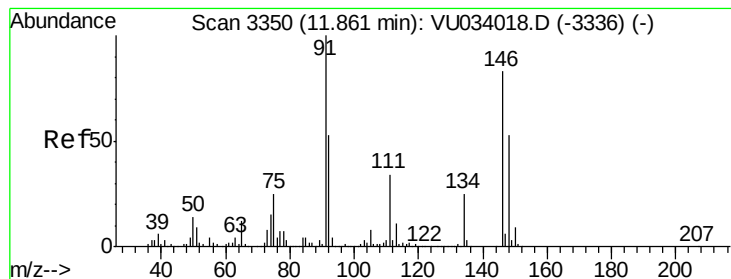
Tot Ion: 91 Resp: 339137
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 25.4 12.9 38.7



#90
Hexachloroethane
Concen: 16.316 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 117 Resp: 57962
Ion Ratio Lower Upper
117 100
201 83.6 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 19.213 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

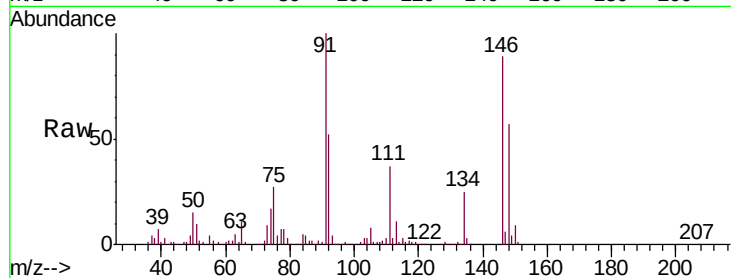
Tot Ion:146 Resp: 199119

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.2

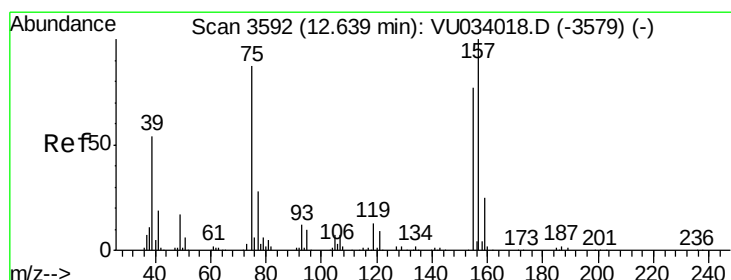
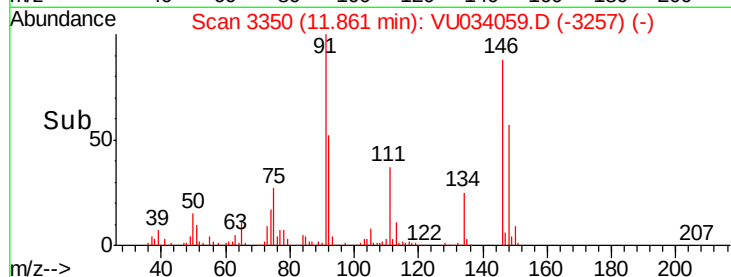
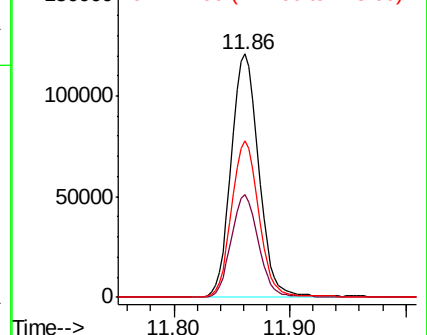
148 64.0 32.3 96.8



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: 18.044 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

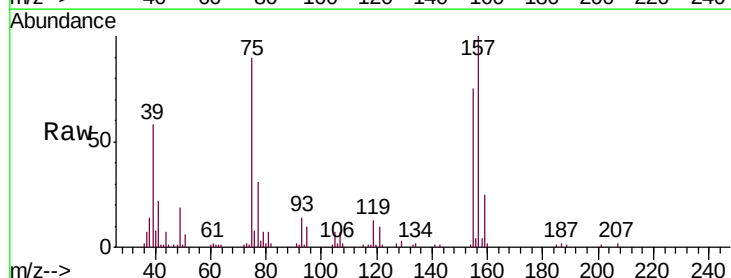
Tgt Ion: 75 Resp: 31258

Ion Ratio Lower Upper

75 100

155 85.1 43.5 130.7

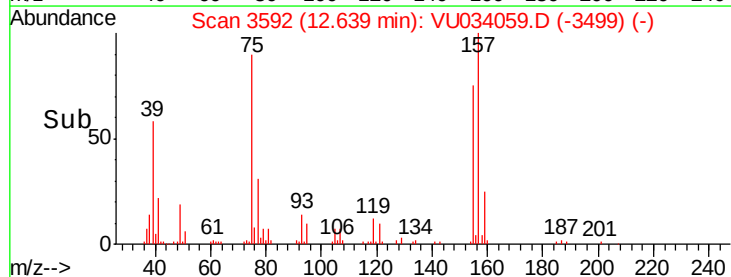
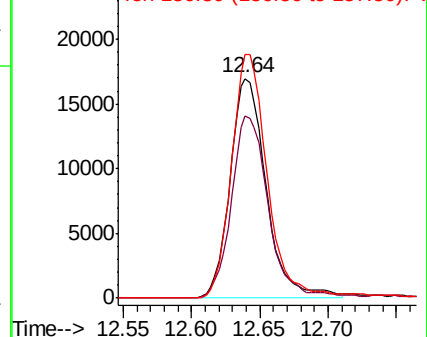
157 109.1 56.9 170.6

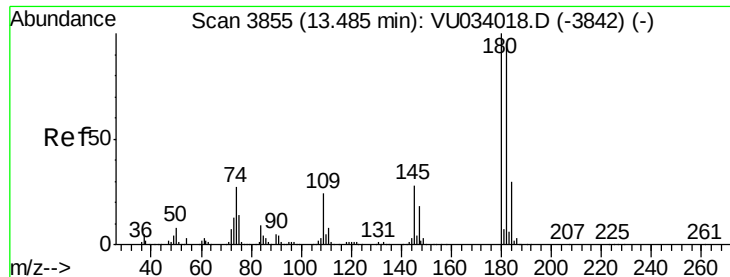


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

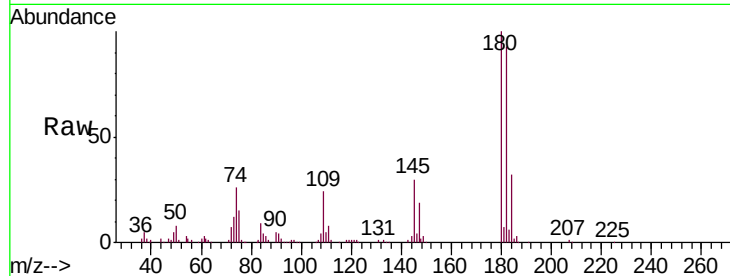




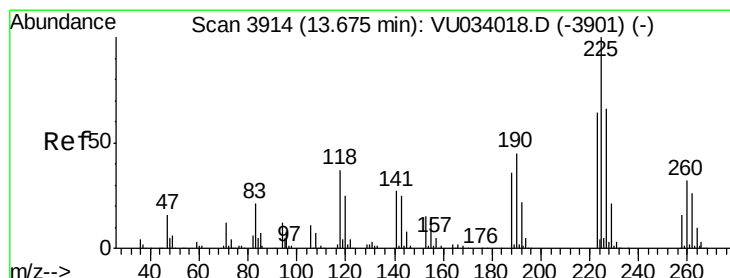
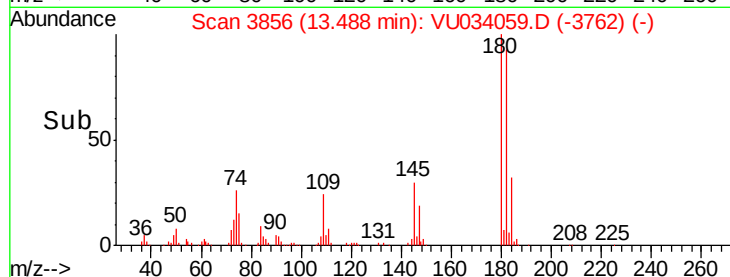
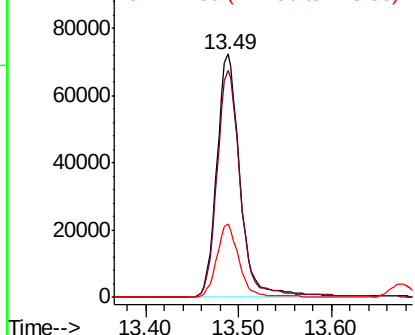
#93
 1,2,4-Trichlorobenzene
 Concen: 17.855 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 126228
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.4 142.2
 145 28.2 14.1 42.3

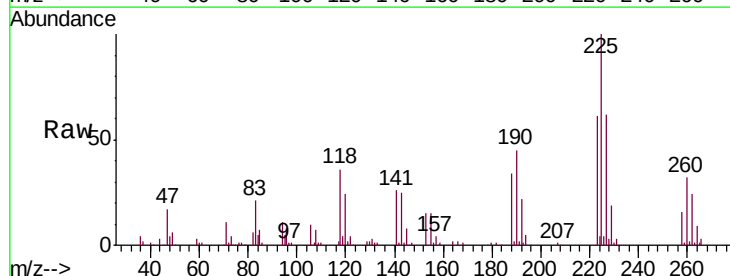


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

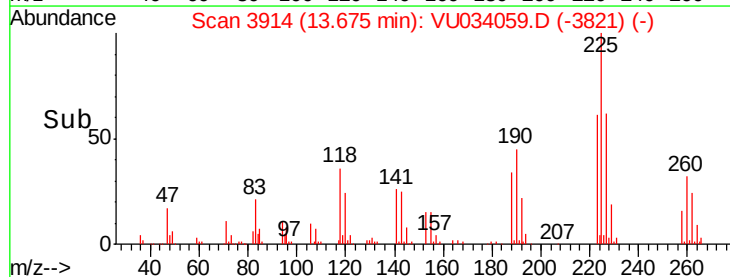
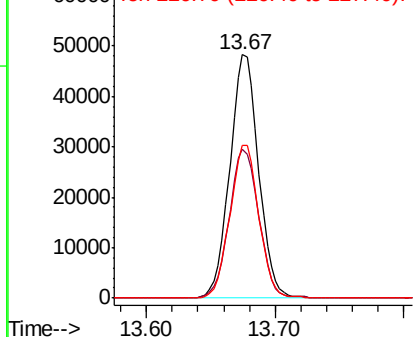


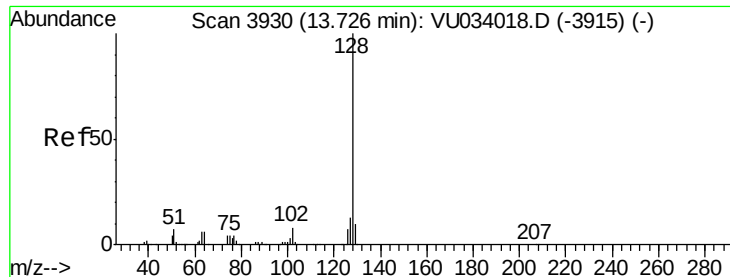
#94
 Hexachlorobutadiene
 Concen: 18.437 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion:225 Resp: 74749
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.8 95.3
 227 62.9 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

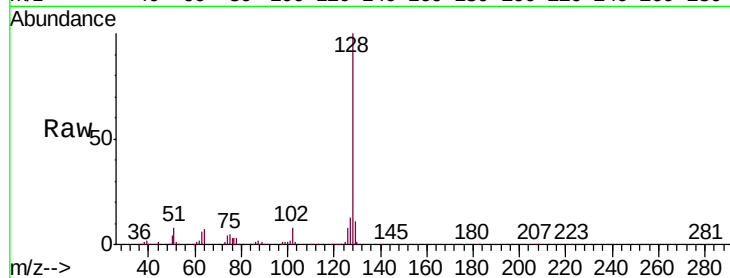




#95
Naphthalene
Concen: 16.632 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.8	8.4	12.6

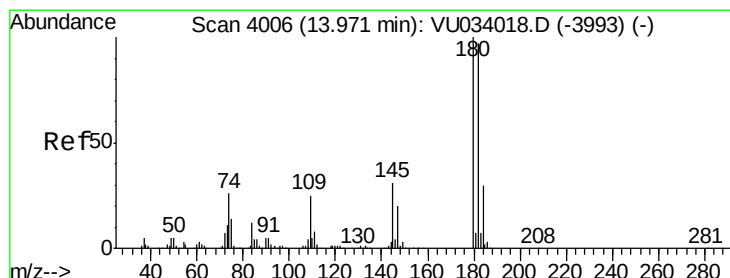
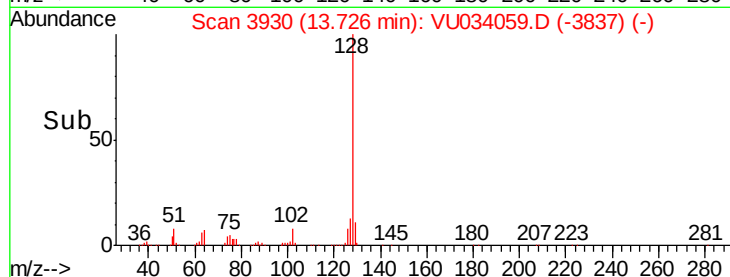
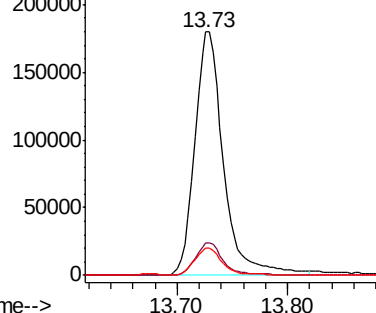


Abundance

Ion 128.00 (127.70 to 128.70): V

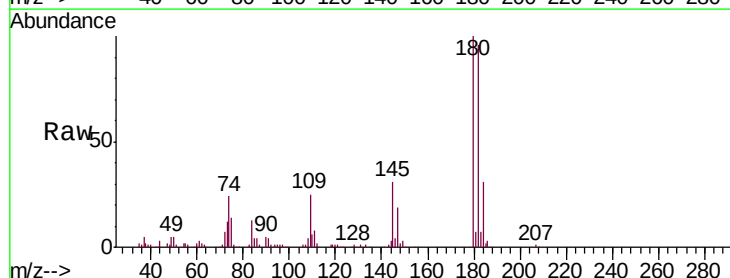
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.788 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.2	144.6
145	30.8	15.5	46.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

