

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034027.D
 Acq On : 28 Aug 2019 16:55
 Operator : JC/SP
 Sample : VN0829WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Quant Time: Aug 29 04:16:37 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	412288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	662591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	631203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	328658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	274703	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	4.86	113	227925	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	7.55	98	891820	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	10.29	95	326460	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85965	20.732	ug/l	99
3) Chloromethane	1.32	50	115563	19.598	ug/l	100
4) Vinyl Chloride	1.40	62	110717	20.062	ug/l	99
5) Bromomethane	1.62	94	68044	22.409	ug/l	96
6) Chloroethane	1.69	64	66638	19.751	ug/l	99
7) Trichlorofluoromethane	1.88	101	128752	20.135	ug/l	98
8) Diethyl Ether	2.09	74	55459	20.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	80239	19.807	ug/l	99
10) Methyl Iodide	2.40	142	92669	16.126	ug/l	99
11) Tert butyl alcohol	2.81	59	114996	94.395	ug/l	100
12) 1,1-Dichloroethene	2.27	96	82368	19.956	ug/l	96
13) Acrolein	2.18	56	46155	90.062	ug/l	99
14) Allyl chloride	2.58	41	137312	17.694	ug/l	90
15) Acrylonitrile	2.92	53	283929	101.567	ug/l	99
16) Acetone	2.31	43	259647	96.325	ug/l	98
17) Carbon Disulfide	2.46	76	251680	19.267	ug/l	99
18) Methyl Acetate	2.60	43	131013	18.808	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	279438	20.663	ug/l	99
20) Methylene Chloride	2.68	84	99784	19.554	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	89874	20.064	ug/l	99
22) Diisopropyl ether	3.55	45	294941	20.741	ug/l	95
23) Vinyl Acetate	3.50	43	1267444	103.758	ug/l	100
24) 1,1-Dichloroethane	3.43	63	173174	20.627	ug/l	99
25) 2-Butanone	4.24	43	381104	101.623	ug/l	99
26) 2,2-Dichloropropane	4.20	77	134757	19.726	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	100276	19.944	ug/l	99
28) Bromochloromethane	4.52	49	81005	19.584	ug/l	99
29) Tetrahydrofuran	4.61	42	245779	106.272	ug/l	99
30) Chloroform	4.65	83	167950	20.051	ug/l	100
31) Cyclohexane	4.97	56	157565	19.974	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	138102	20.131	ug/l	98
36) 1,1-Dichloropropene	5.12	75	121653	19.411	ug/l	99
37) Ethyl Acetate	4.36	43	141631	20.180	ug/l	99
38) Carbon Tetrachloride	5.11	117	121297	20.051	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034027.D
 Acq On : 28 Aug 2019 16:55
 Operator : JC/SP
 Sample : VN0829WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Quant Time: Aug 29 04:16:37 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	142436	19.282	ug/l	98
40) Benzene	5.37	78	375008	19.777	ug/l	99
41) Methacrylonitrile	4.52	41	74723	20.760	ug/l	100
42) 1,2-Dichloroethane	5.38	62	130586	19.943	ug/l	99
43) Isopropyl Acetate	5.53	43	212631	19.915	ug/l	98
44) Trichloroethene	6.17	130	96628	19.406	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102539	19.644	ug/l	99
46) Dibromomethane	6.54	93	66922	19.900	ug/l	98
47) Bromodichloromethane	6.74	83	126646	19.249	ug/l	98
48) Methyl methacrylate	6.60	41	98595	19.136	ug/l	98
49) 1,4-Dioxane	6.59	88	46764	362.249	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	709191	96.178	ug/l	100
52) Toluene	7.62	92	236492	20.246	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	137536	18.839	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	155211	19.460	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	93785	18.981	ug/l	99
56) Ethyl methacrylate	8.00	69	138122	17.497	ug/l	98
57) 1,3-Dichloropropane	8.22	76	166396	19.834	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	254196	92.994	ug/l	98
59) 2-Hexanone	8.34	43	538391	96.720	ug/l	98
60) Dibromochloromethane	8.46	129	101694	19.174	ug/l	98
61) 1,2-Dibromoethane	8.57	107	98457	18.917	ug/l	98
64) Tetrachloroethene	8.21	164	83867	19.785	ug/l	97
65) Chlorobenzene	9.10	112	254113	19.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	90734	19.264	ug/l	97
67) Ethyl Benzene	9.23	91	434682	19.741	ug/l	100
68) m/p-Xylenes	9.36	106	332504	39.714	ug/l	100
69) o-Xylene	9.76	106	158922	19.785	ug/l	100
70) Styrene	9.77	104	270274	19.624	ug/l	99
71) Bromoform	9.94	173	75666	18.490	ug/l #	98
73) Isopropylbenzene	10.15	105	430527	19.502	ug/l	100
74) N-amyl acetate	10.00	43	178331	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159866	18.920	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	175794	23.732	ug/l	86
77) Bromobenzene	10.43	156	111426	18.764	ug/l	98
78) n-propylbenzene	10.57	91	500907	19.484	ug/l	100
79) 2-Chlorotoluene	10.64	91	300530	19.489	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	371645	19.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	175794	79.912	ug/l #	100
82) 4-Chlorotoluene	10.76	91	341650	19.264	ug/l	100
83) tert-Butylbenzene	11.08	119	353353	19.184	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	370672	19.951	ug/l	100
85) sec-Butylbenzene	11.31	105	431613	19.551	ug/l	99
86) p-Isopropyltoluene	11.46	119	394473	19.757	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200336	19.056	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	199798	18.792	ug/l	99
89) n-Butylbenzene	11.87	91	343299	19.502	ug/l	99
90) Hexachloroethane	12.13	117	59610	17.268	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	193758	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31971	18.993	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
Data File : VU034027.D
Acq On : 28 Aug 2019 16:55
Operator : JC/SP
Sample : VN0829WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Quant Time: Aug 29 04:16:37 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

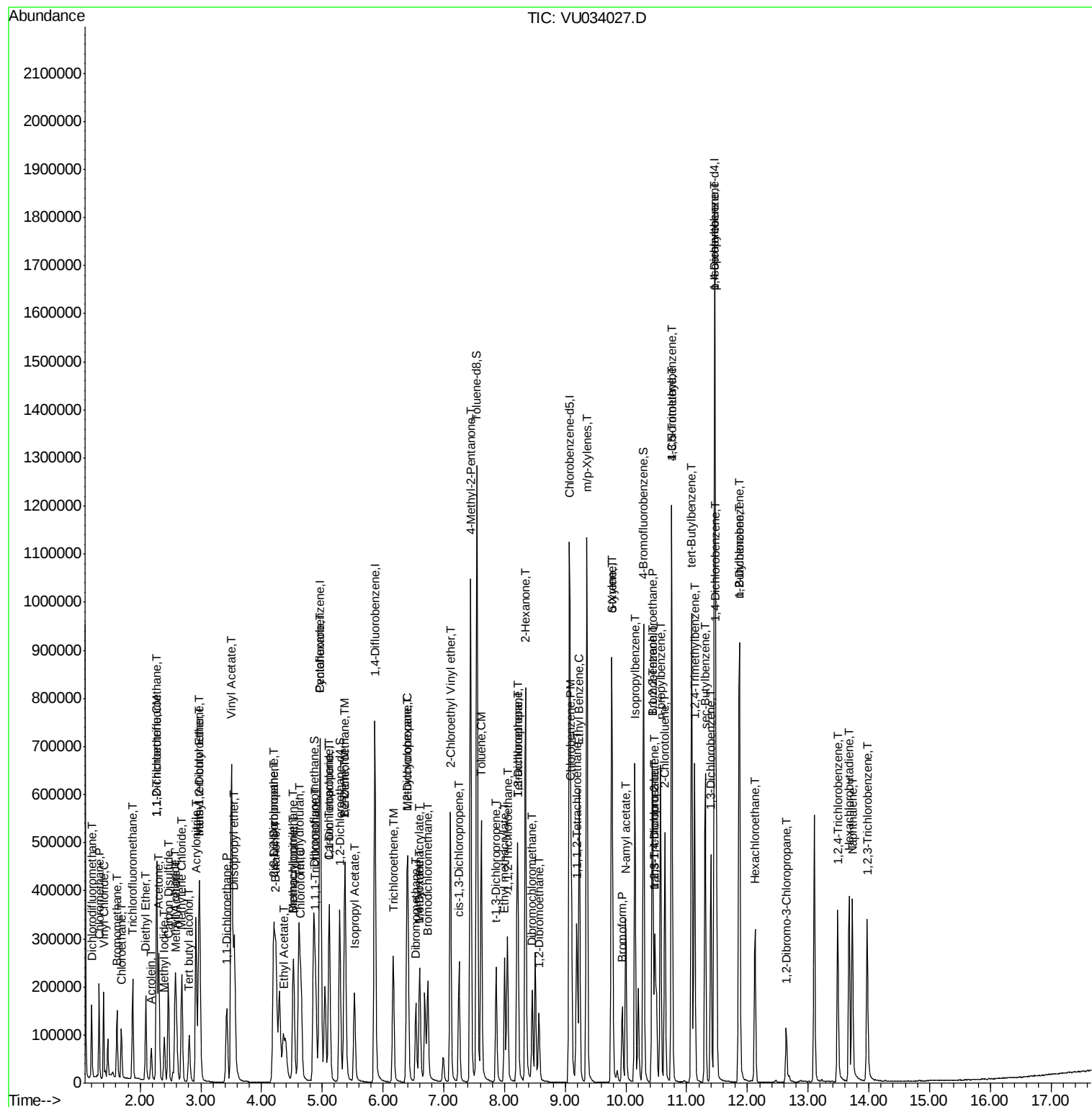
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	124243	18.072	ug/l	100
94) Hexachlorobutadiene	13.68	225	75873	19.259	ug/l	99
95) Naphthalene	13.73	128	342769	17.901	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	125160	19.401	ug/l	98

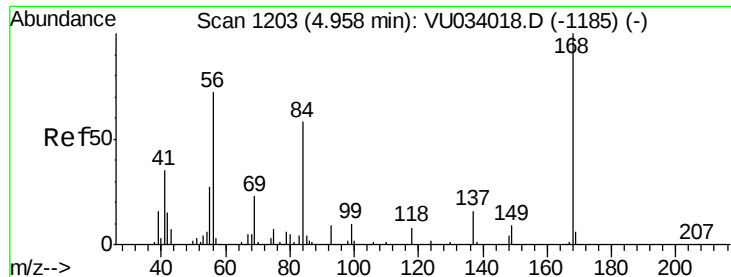
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034027.D
 Acq On : 28 Aug 2019 16:55
 Operator : JC/SP
 Sample : VN0829WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Quant Time: Aug 29 04:16:37 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

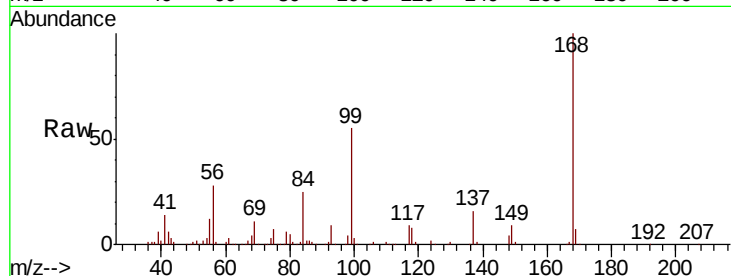
VU0829WBS01

Tgt Ion:168 Resp: 412288

Ion Ratio Lower Upper

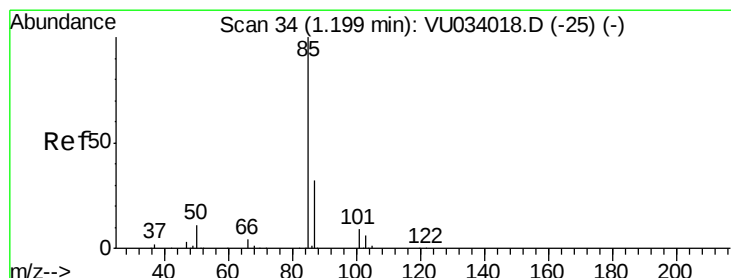
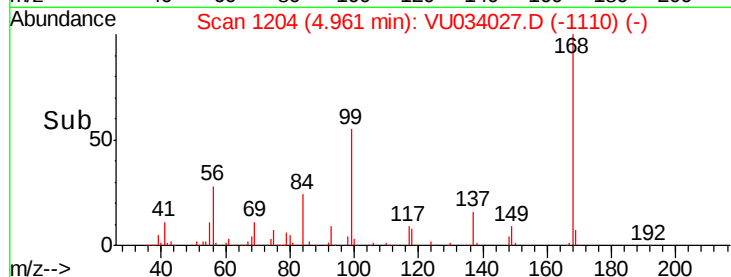
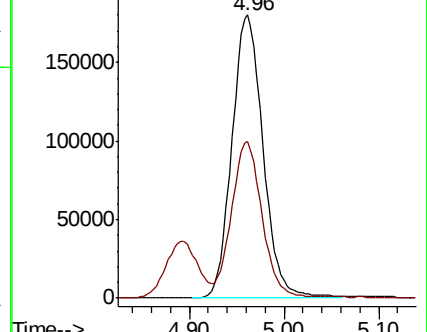
168 100

99 54.8 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) (-)



#2

Dichlorodifluoromethane

Concen: 20.732 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034027.D

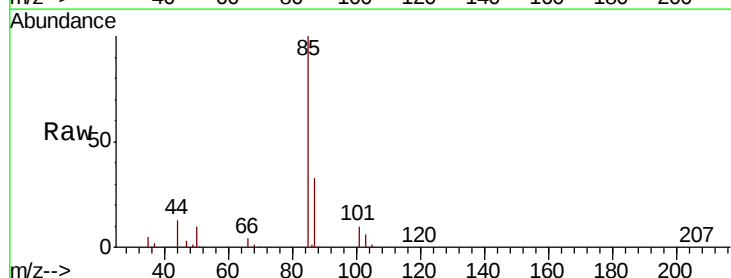
Acq: 28 Aug 2019 16:55

Tgt Ion: 85 Resp: 85965

Ion Ratio Lower Upper

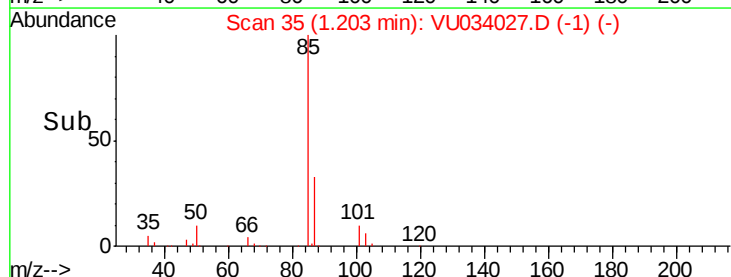
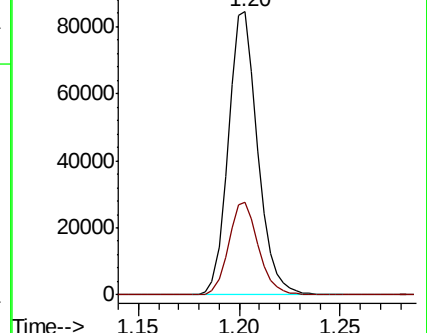
85 100

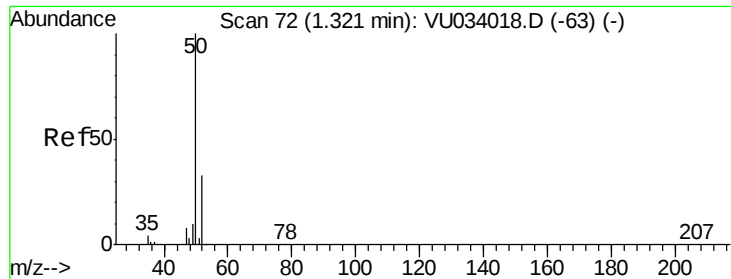
87 32.9 16.1 48.3



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

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





#3

Chloromethane

Concen: 19.598 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

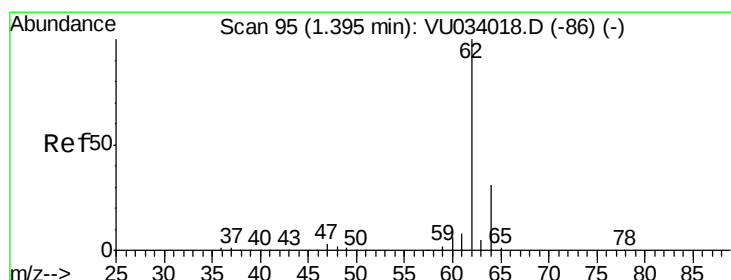
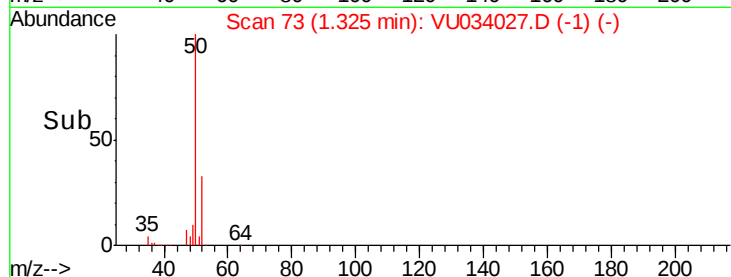
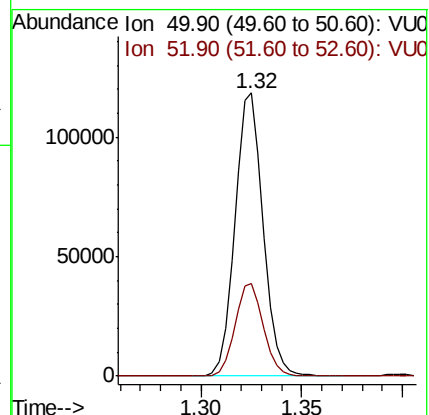
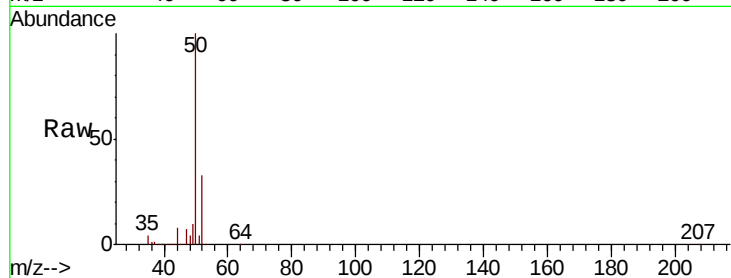
VU0829WBS01

Tgt Ion: 50 Resp: 115563

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 20.062 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034027.D

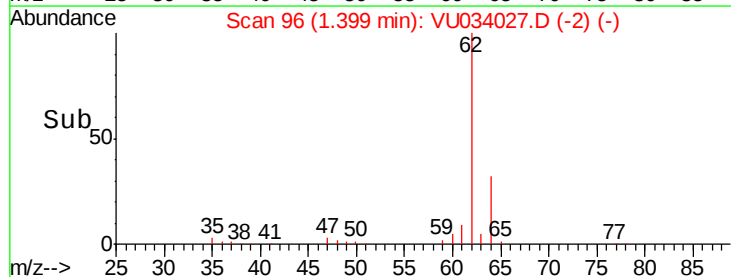
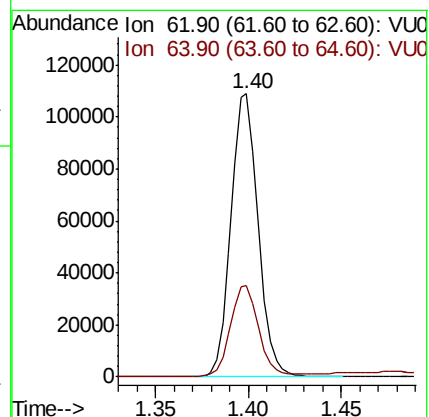
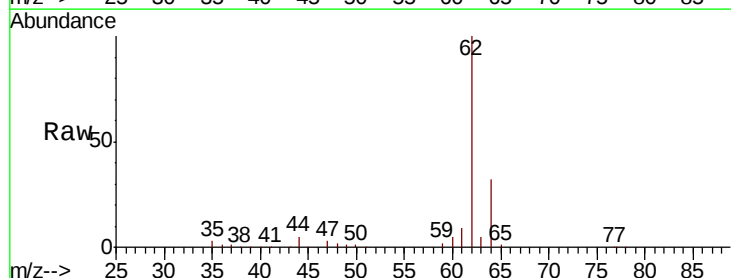
Acq: 28 Aug 2019 16:55

Tgt Ion: 62 Resp: 110717

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 22.409 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

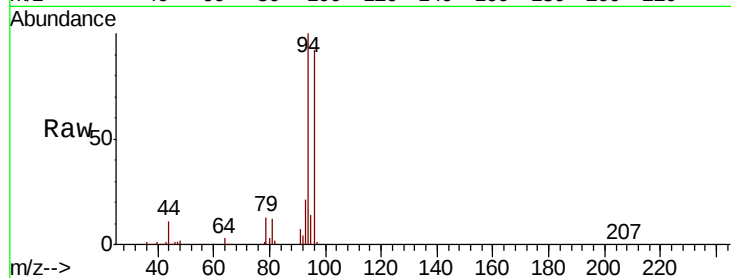
VU0829WBS01

Tgt Ion: 94 Resp: 68044

Ion Ratio Lower Upper

94 100

96 91.8 76.3 114.5

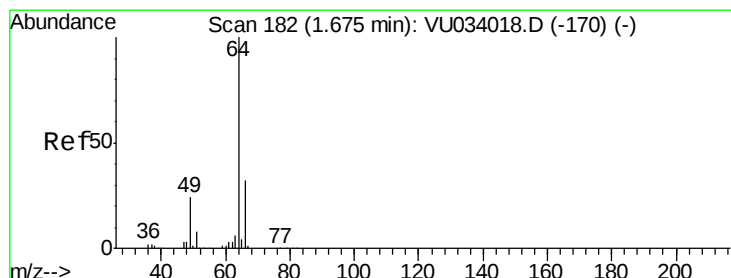
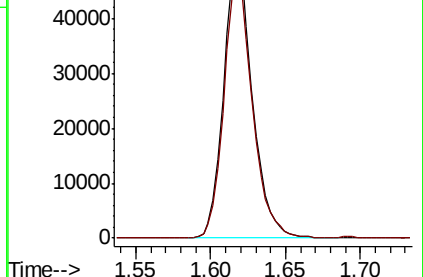
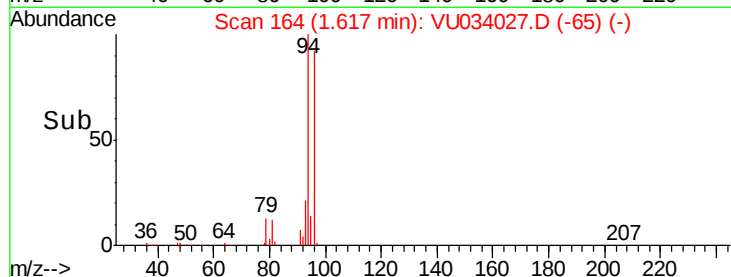


Abundance Ion 93.90 (93.60 to 94.60): VU034027.D (-163) (-)

Ion 95.90 (95.60 to 96.60): VU034027.D (-163) (-)

1.62

Time-->



#6

Chloroethane

Concen: 19.751 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034027.D

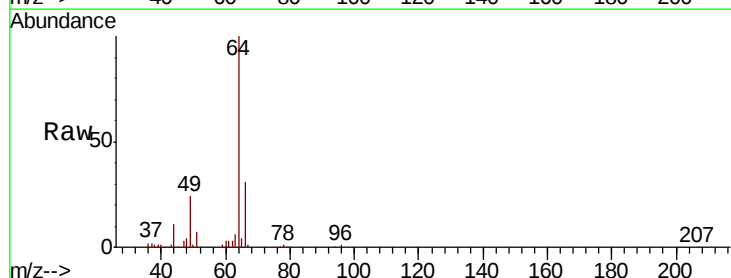
Acq: 28 Aug 2019 16:55

Tgt Ion: 64 Resp: 66638

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3

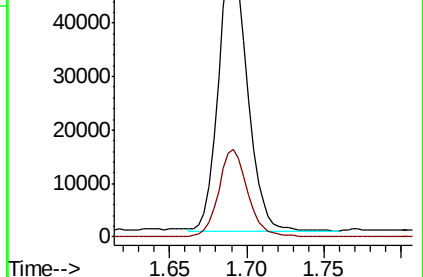
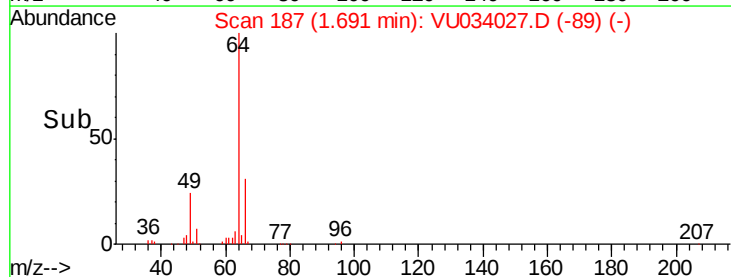


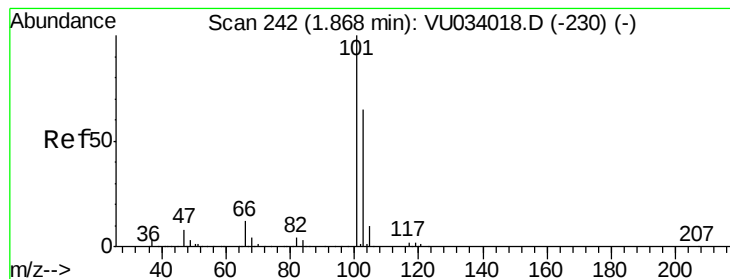
Abundance Ion 63.90 (63.60 to 64.60): VU034027.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034027.D (-89) (-)

1.69

Time-->



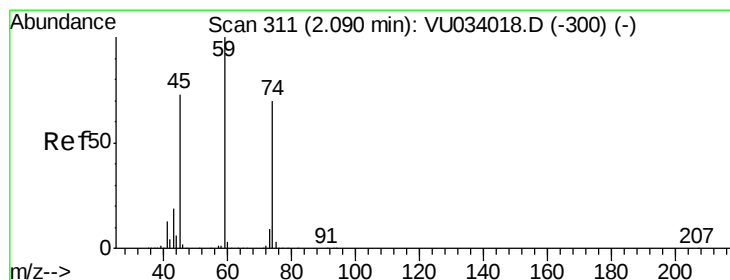
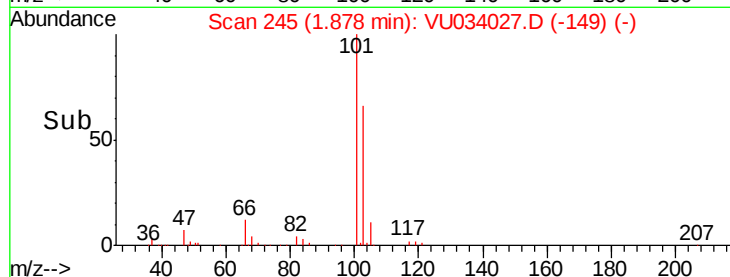
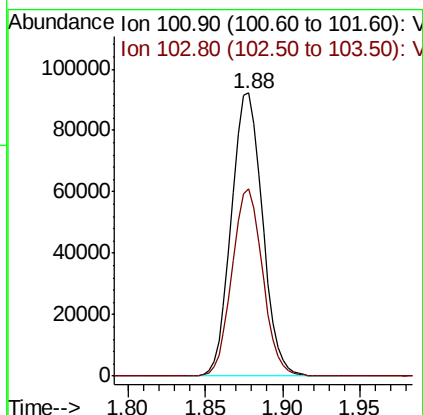
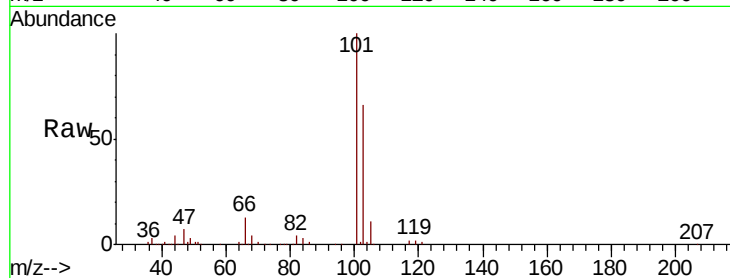


#7

Trichlorofluoromethane
 Concen: 20.135 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

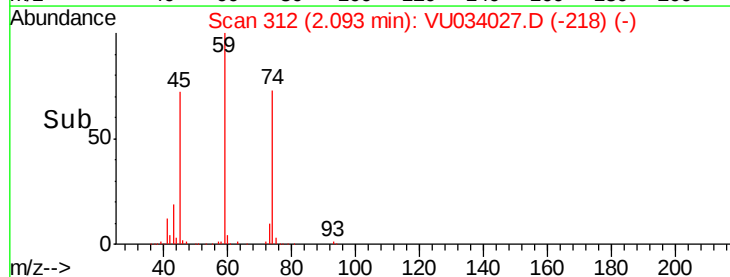
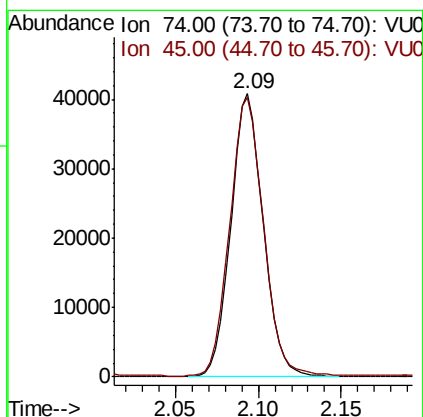
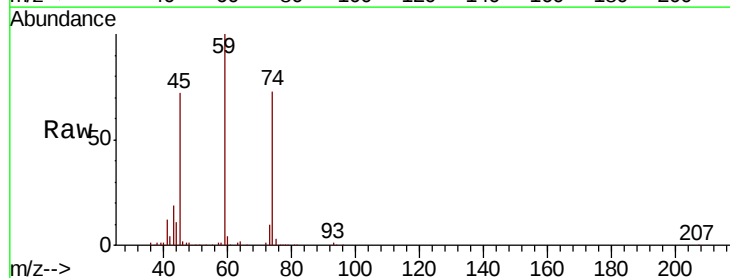
Tgt Ion:101 Resp: 128752
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.1 78.1



#8

Diethyl Ether
 Concen: 20.274 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 74 Resp: 55459
 Ion Ratio Lower Upper
 74 100
 45 102.4 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.807 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

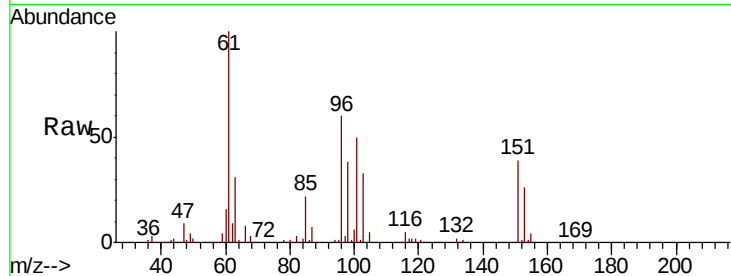
Tgt Ion:101 Resp: 80239

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

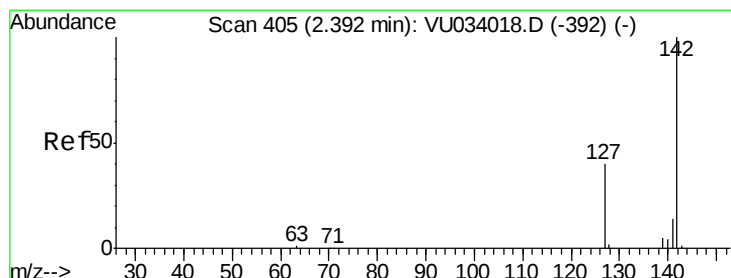
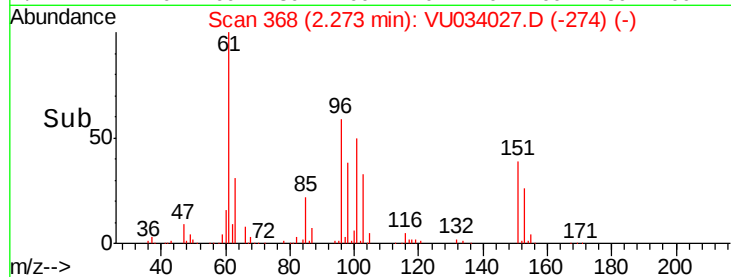
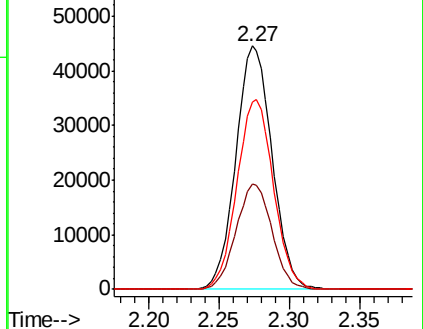
151 78.6 61.4 92.2



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: 16.126 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

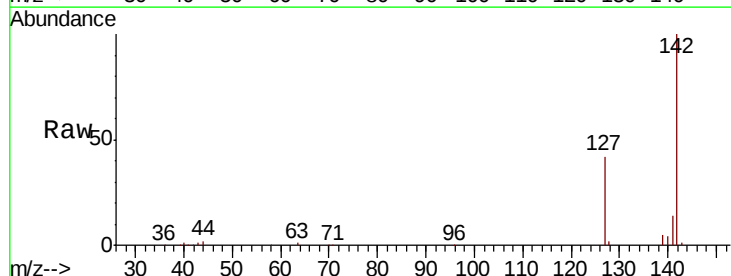
Tgt Ion:142 Resp: 92669

Ion Ratio Lower Upper

142 100

127 41.2 32.6 48.8

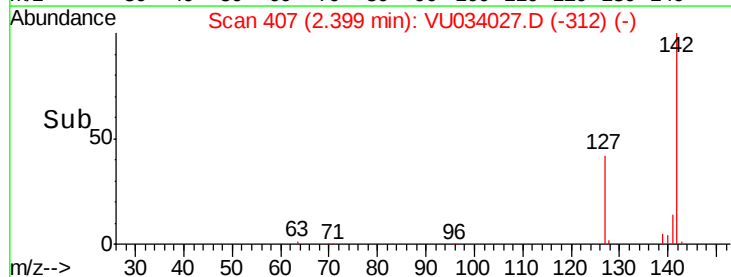
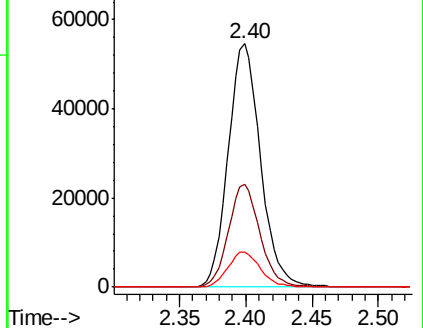
141 14.6 11.3 16.9

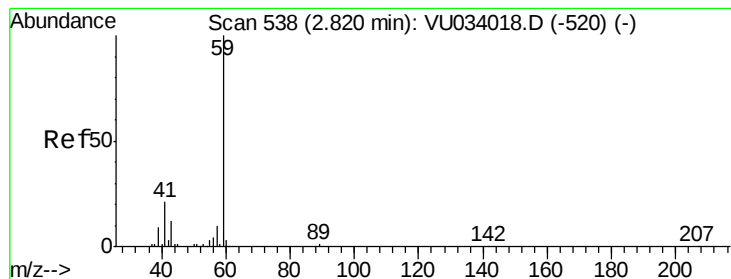


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



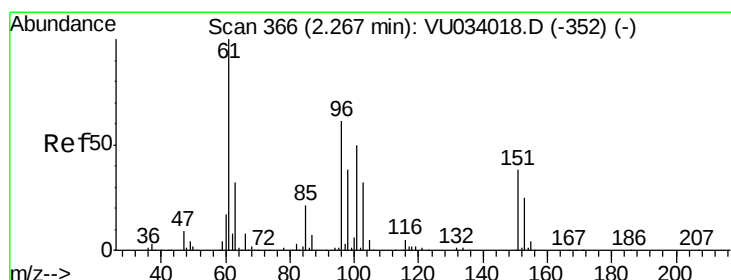
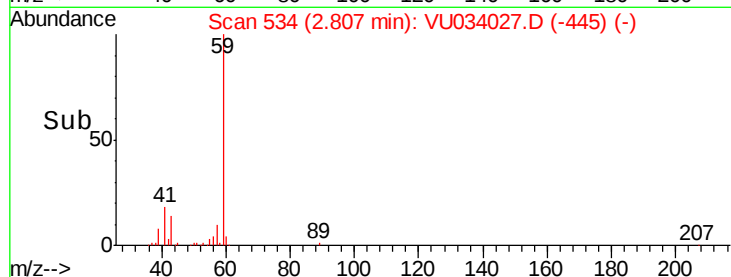
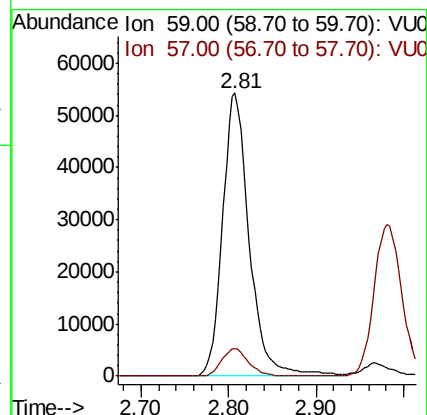
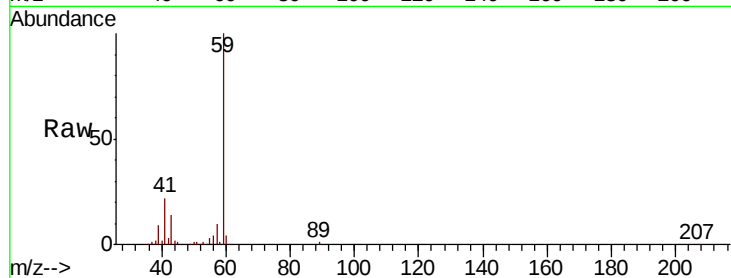


#11

Tert butyl alcohol
 Concen: 94.395 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

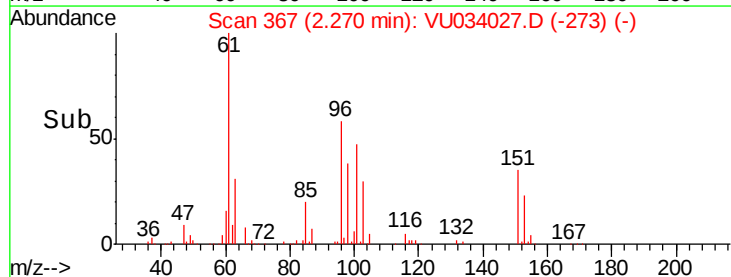
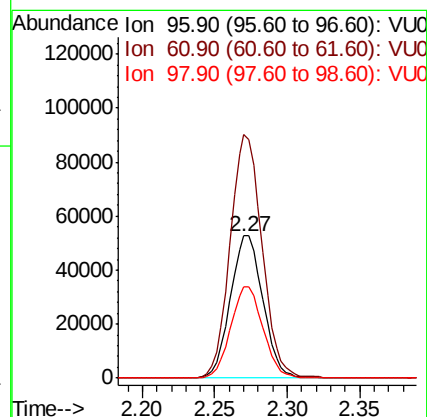
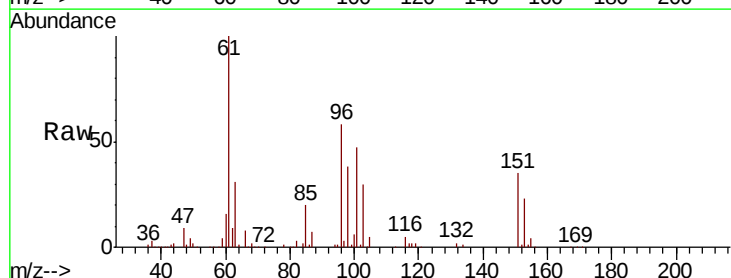
Tgt Ion: 59 Resp: 114996
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

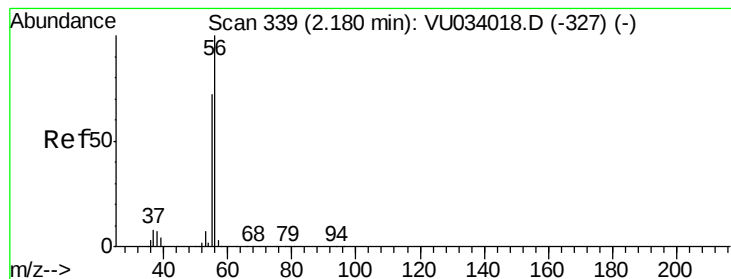


#12

1,1-Dichloroethene
 Concen: 19.956 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 96 Resp: 82368
 Ion Ratio Lower Upper
 96 100
 61 171.1 131.3 196.9
 98 64.3 50.3 75.5





#13

Acrolein

Concen: 90.062 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

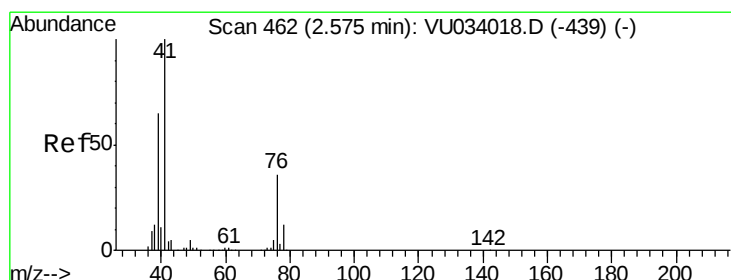
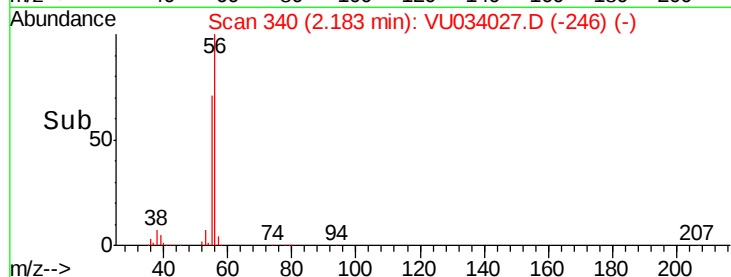
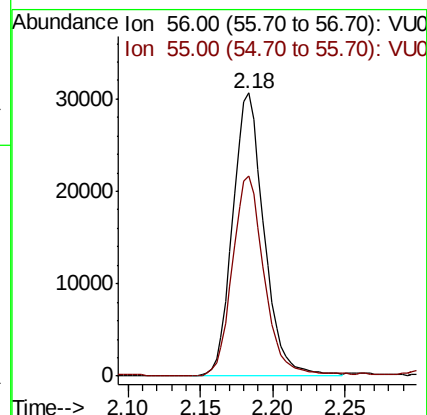
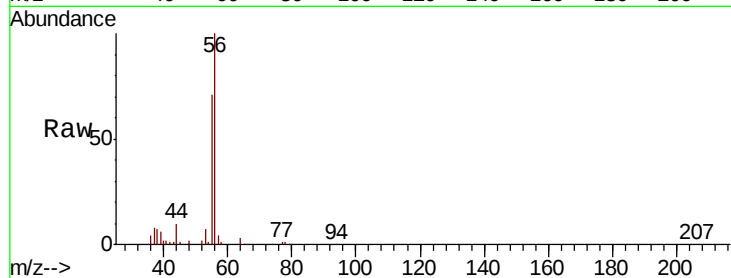
VU0829WBS01

Tgt Ion: 56 Resp: 46155

Ion Ratio Lower Upper

56 100

55 72.1 57.1 85.7



#14

Allyl chloride

Concen: 17.694 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

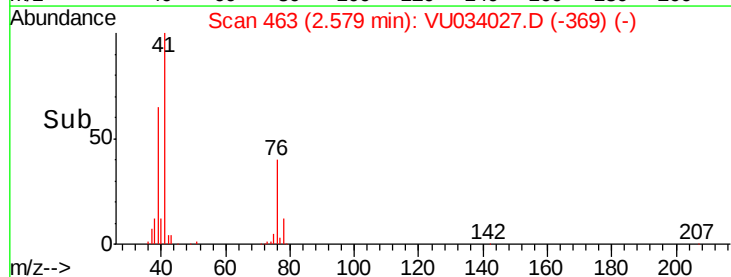
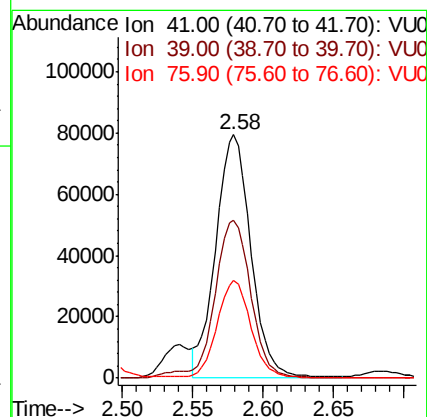
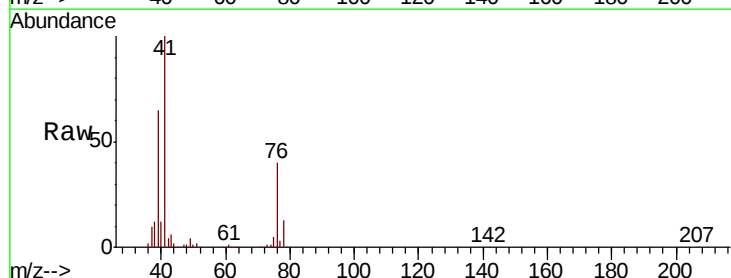
Tgt Ion: 41 Resp: 137312

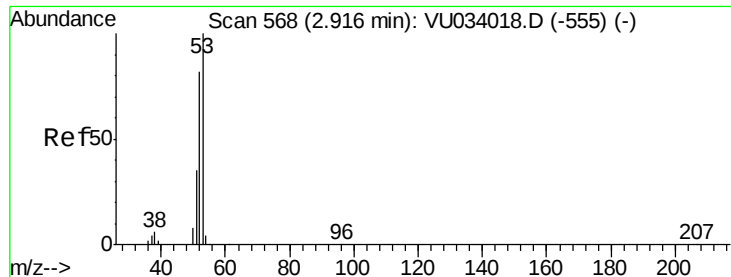
Ion Ratio Lower Upper

41 100

39 67.2 46.8 70.2

76 38.0 26.6 40.0





#15

Acrylonitrile

Concen: 101.567 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

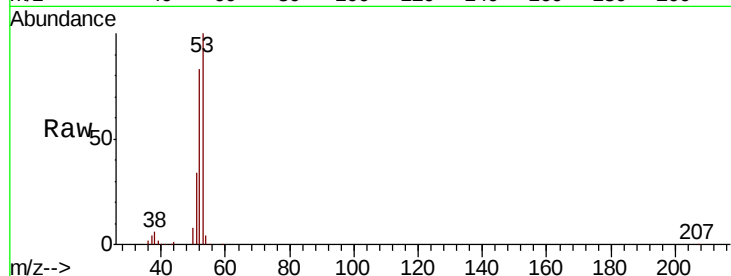
Tgt Ion: 53 Resp: 283929

Ion Ratio Lower Upper

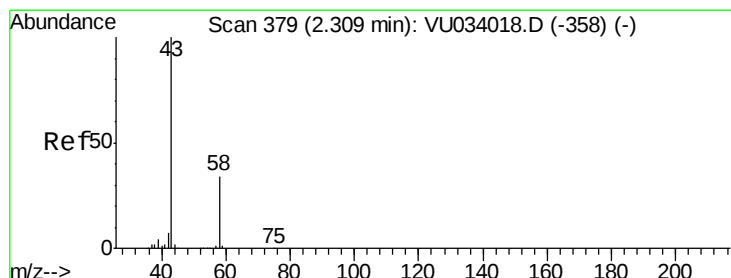
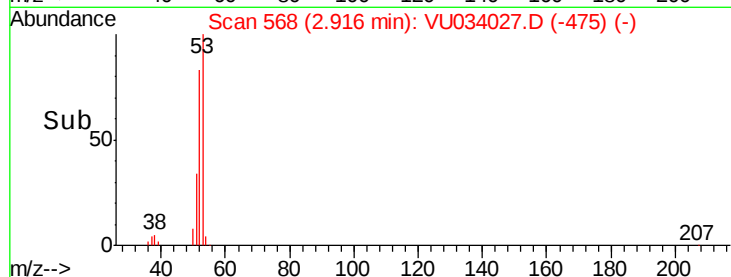
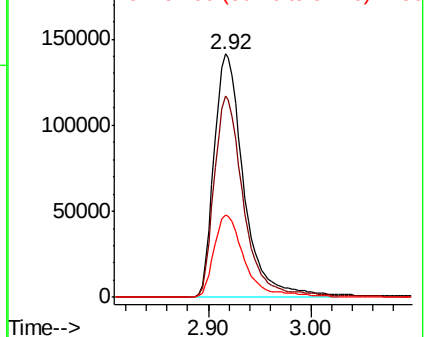
53 100

52 81.5 65.7 98.5

51 35.0 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 96.325 ug/l

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034027.D

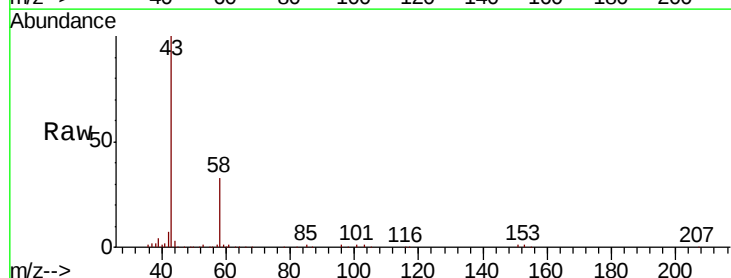
Acq: 28 Aug 2019 16:55

Tgt Ion: 43 Resp: 259647

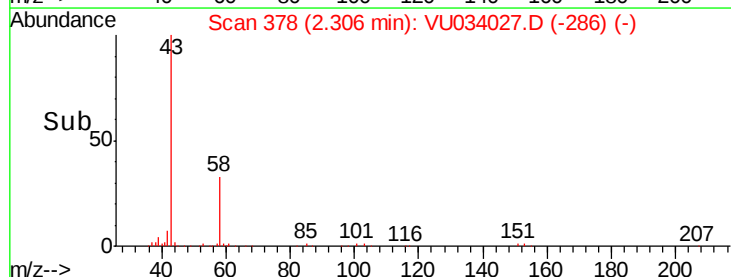
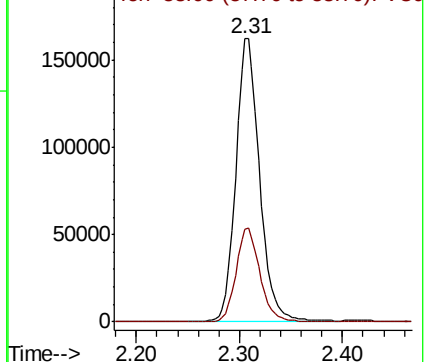
Ion Ratio Lower Upper

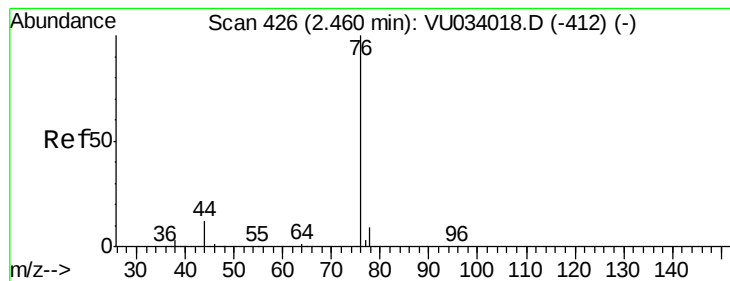
43 100

58 32.6 26.8 40.2



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





#17

Carbon Disulfide

Concen: 19.267 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

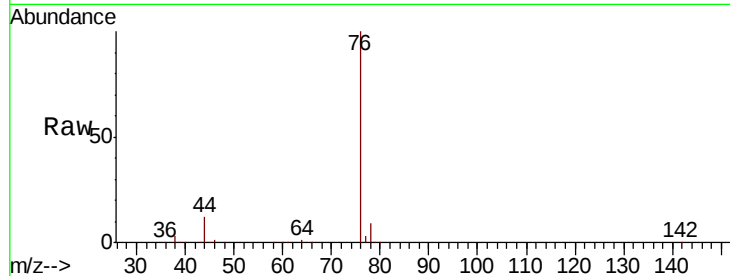
VU0829WBS01

Tgt Ion: 76 Resp: 251680

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



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

Ion 77.90 (77.60 to 78.60): VU034027.D (-333) (-)

2.46

150000

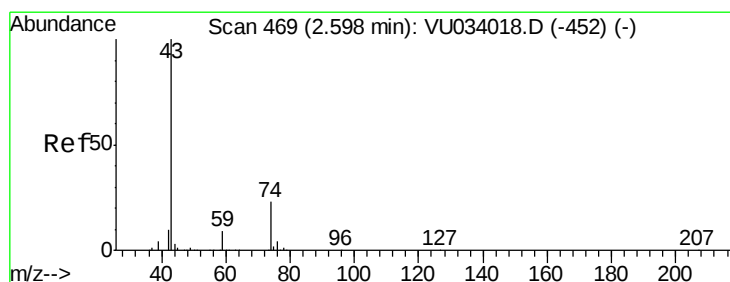
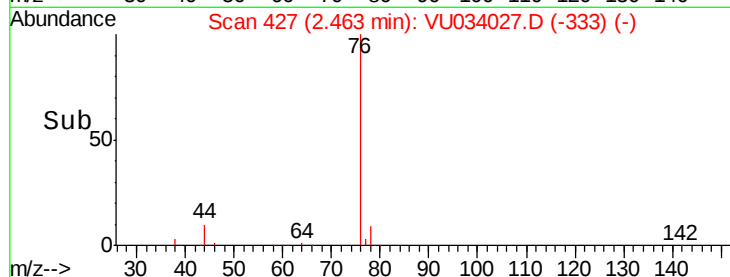
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 18.808 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034027.D

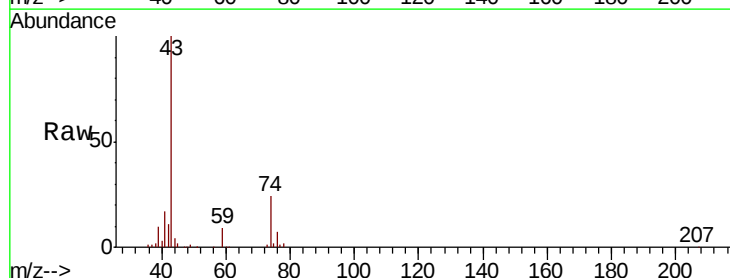
Acq: 28 Aug 2019 16:55

Tgt Ion: 43 Resp: 131013

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): VU034027.D (-376) (-)

2.60

80000

60000

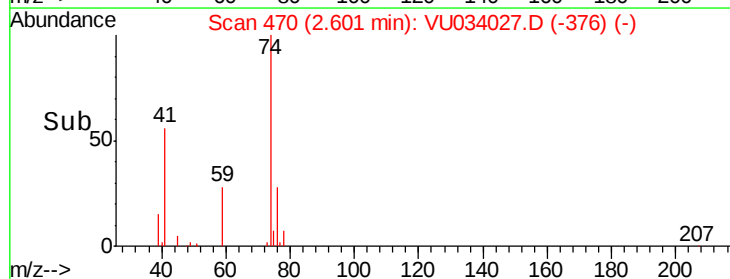
40000

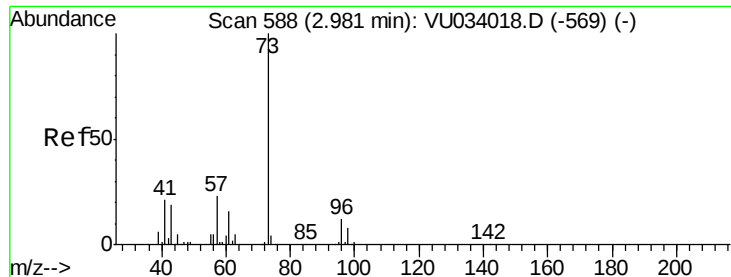
20000

0

2.50 2.60 2.70

Time-->



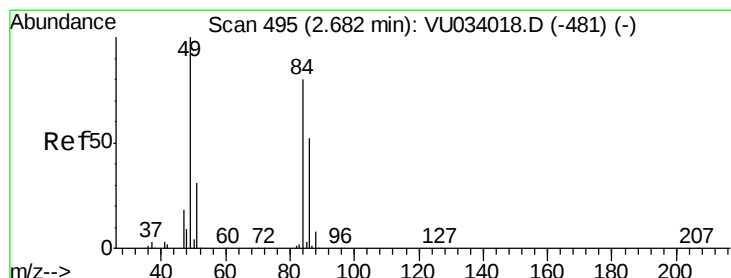
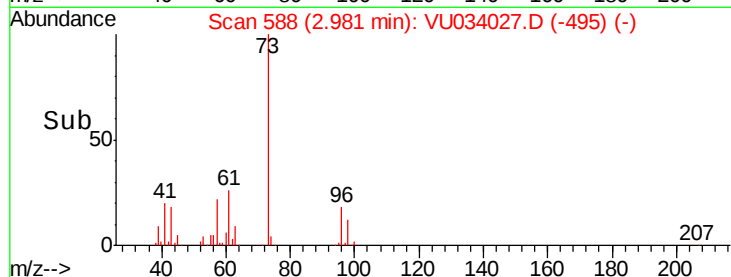
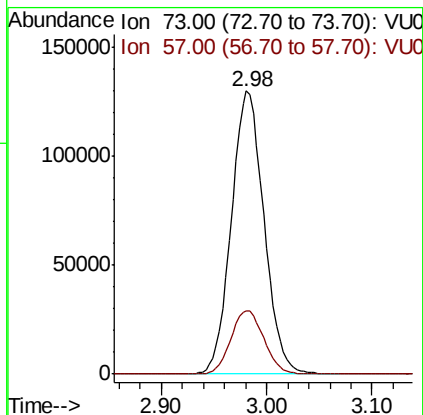
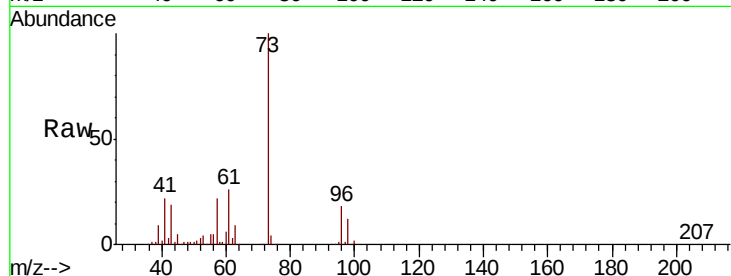


#19

Methyl tert-butyl Ether
 Concen: 20.663 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

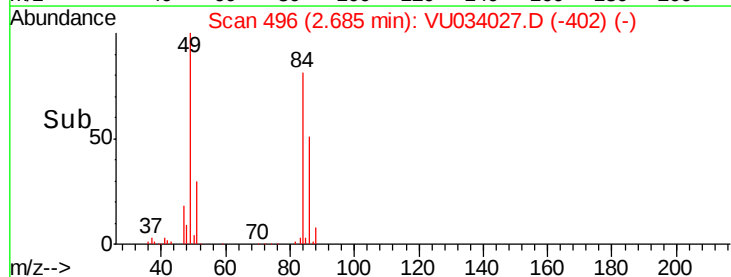
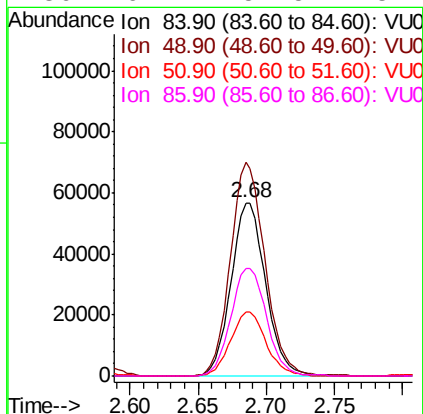
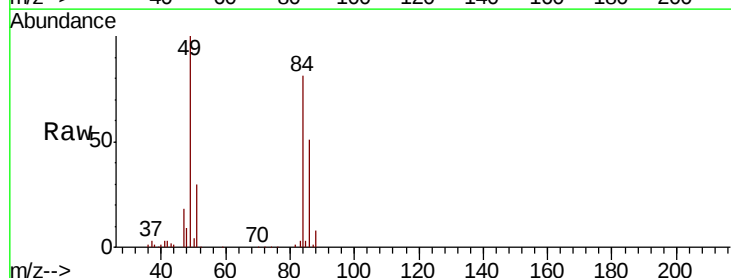
Tgt Ion: 73 Resp: 279438
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.3 27.5

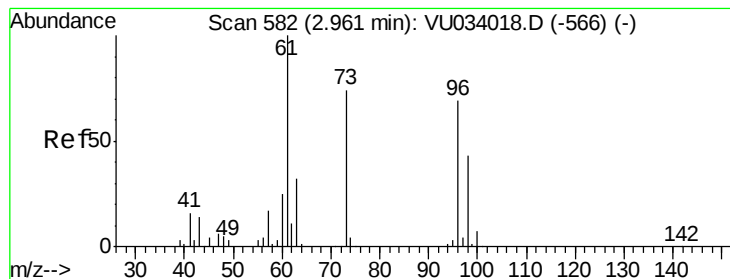


#20

Methylene Chloride
 Concen: 19.554 ug/l
 RT: 2.68 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 84 Resp: 99784
 Ion Ratio Lower Upper
 84 100
 49 123.5 100.2 150.4
 51 36.8 30.8 46.2
 86 62.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.064 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

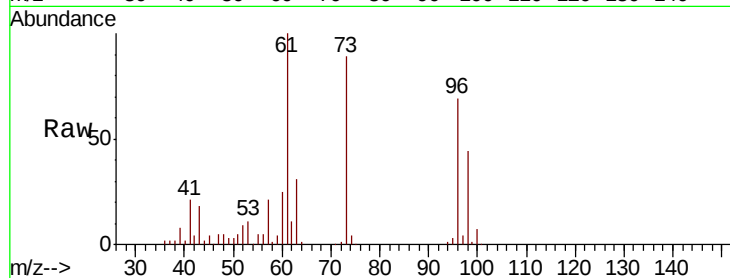
Tgt Ion: 96 Resp: 89874

Ion Ratio Lower Upper

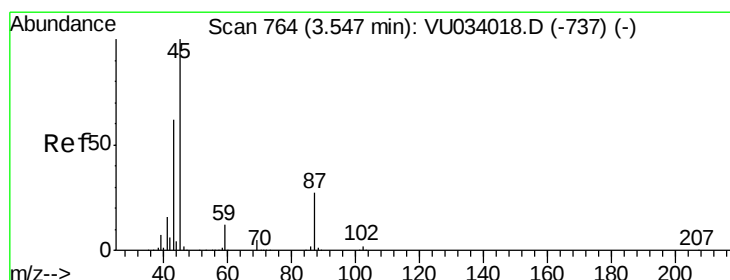
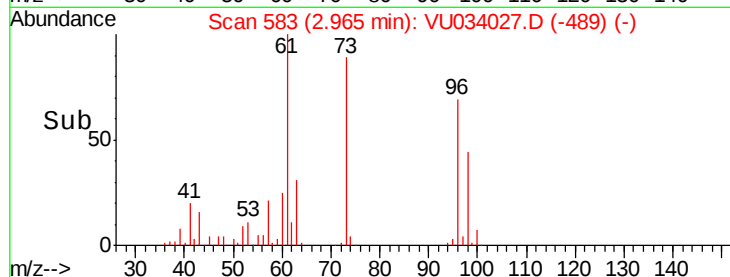
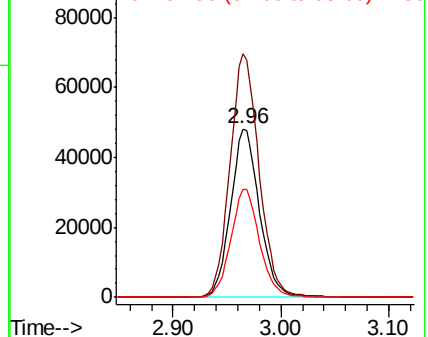
96 100

61 144.6 115.5 173.3

98 63.8 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: 20.741 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion: 45 Resp: 294941

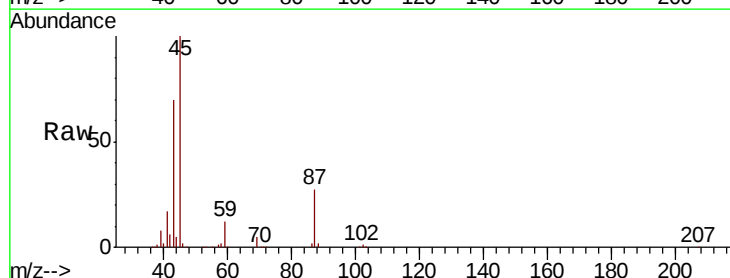
Ion Ratio Lower Upper

45 100

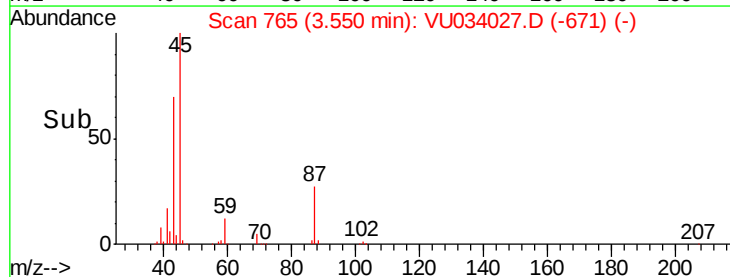
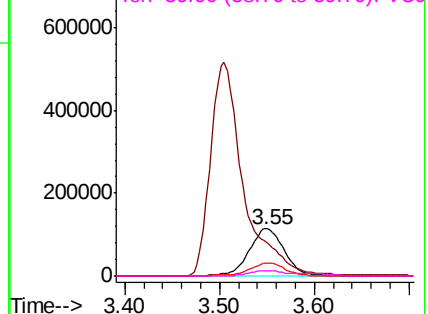
43 67.7 49.7 74.5

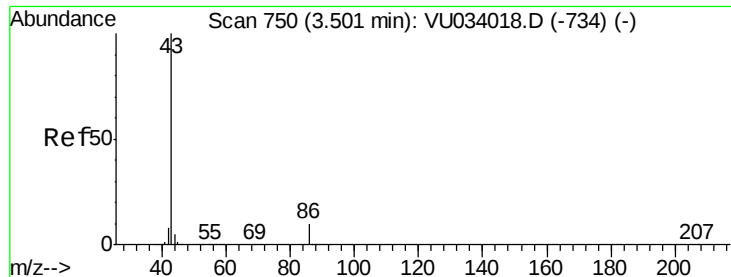
87 27.3 21.8 32.8

59 12.2 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: 103.758 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

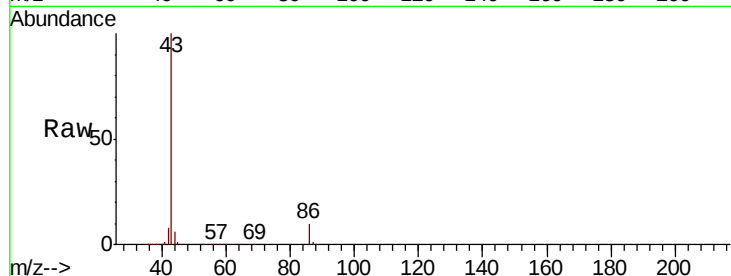
VU0829WBS01

Tgt Ion: 43 Resp: 1267444

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034027.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034027.D (-657) (-)

3.50

500000

400000

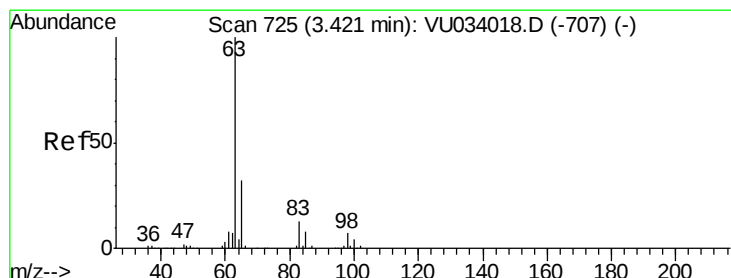
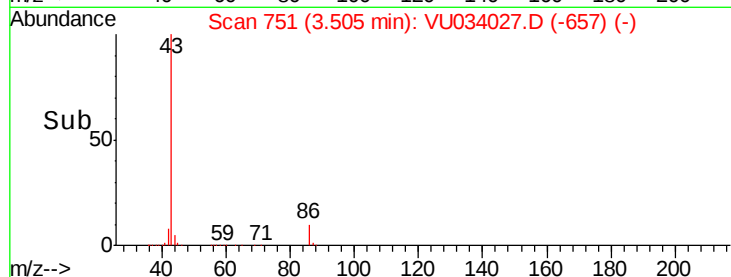
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.627 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

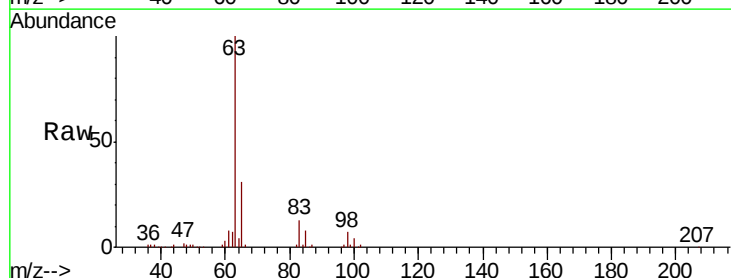
Tgt Ion: 63 Resp: 173174

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034027.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034027.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034027.D (-632) (-)

3.43

100000

80000

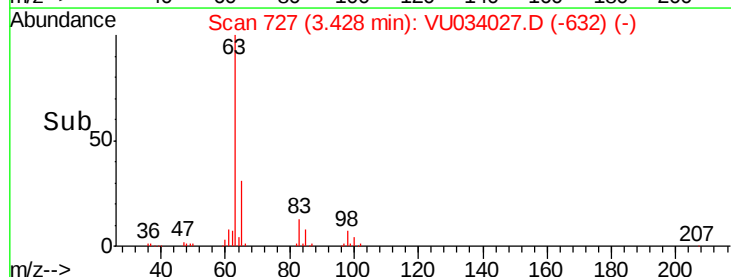
60000

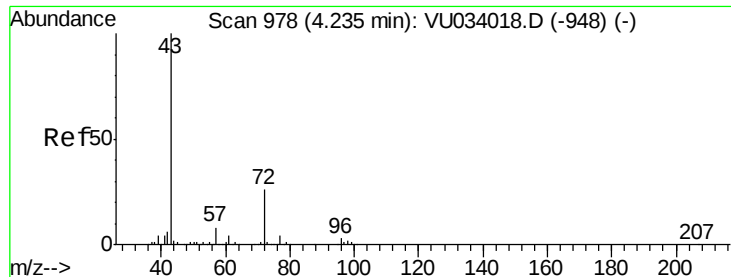
40000

20000

0

Time-->





#25

2-Butanone

Concen: 101.623 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

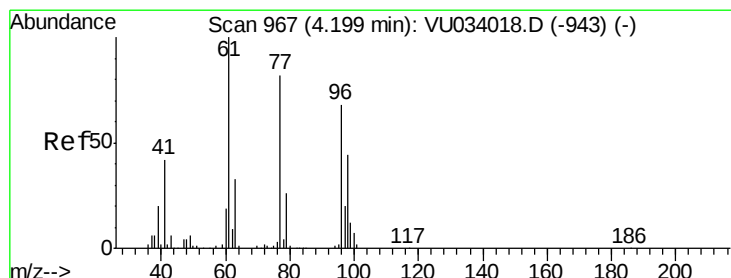
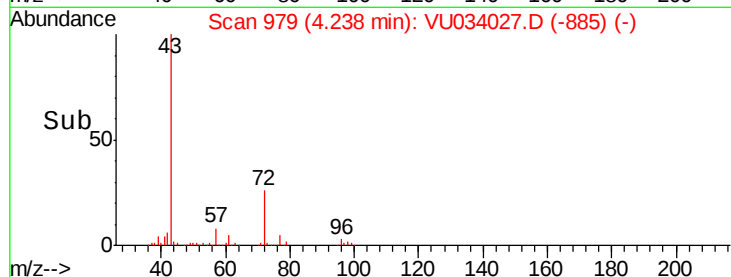
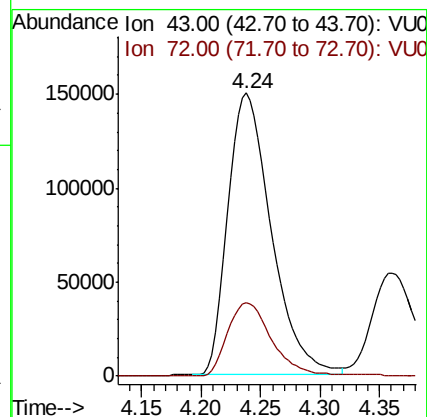
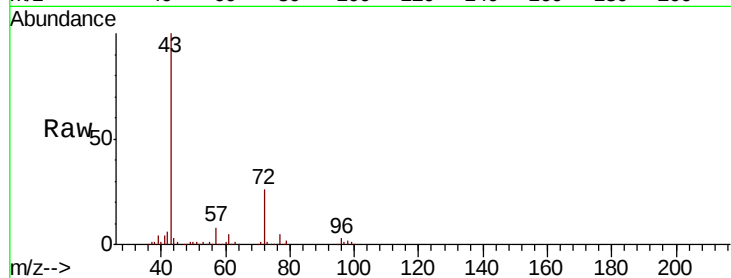
VU0829WBS01

Tgt Ion: 43 Resp: 381104

Ion Ratio Lower Upper

43 100

72 25.9 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.726 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034027.D

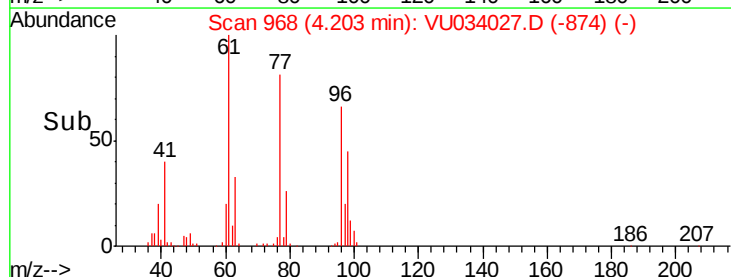
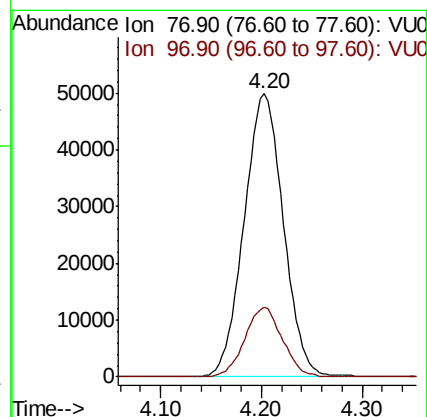
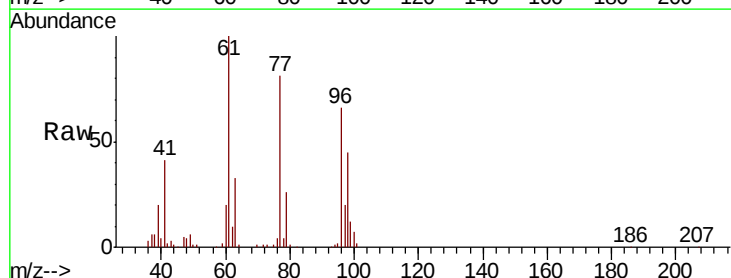
Acq: 28 Aug 2019 16:55

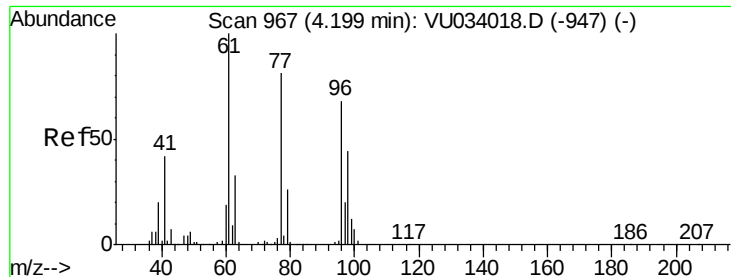
Tgt Ion: 77 Resp: 134757

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7



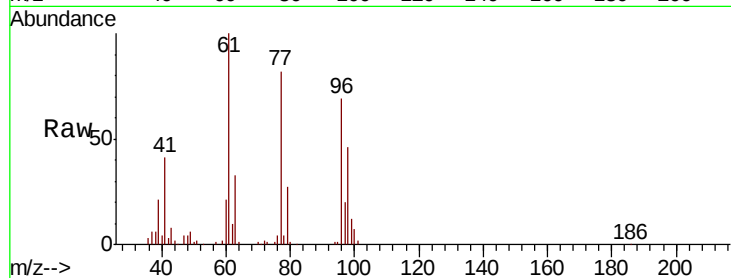


#27

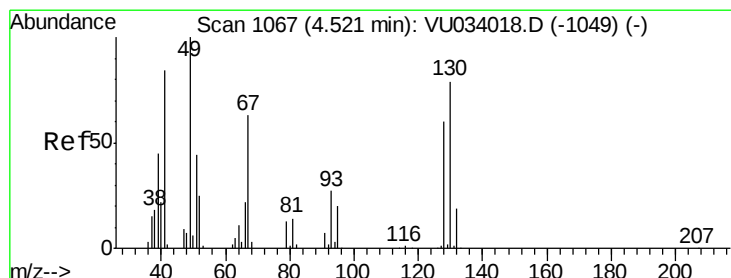
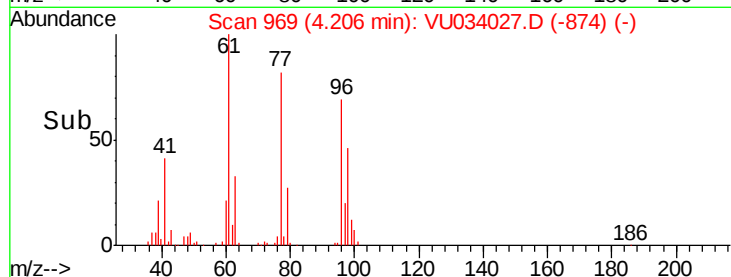
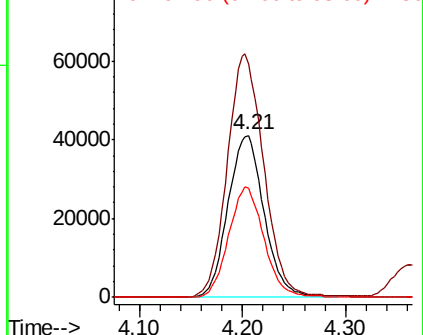
cis-1,2-Dichloroethene
Concen: 19.944 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	303.0
98	66.8	0.0	129.2



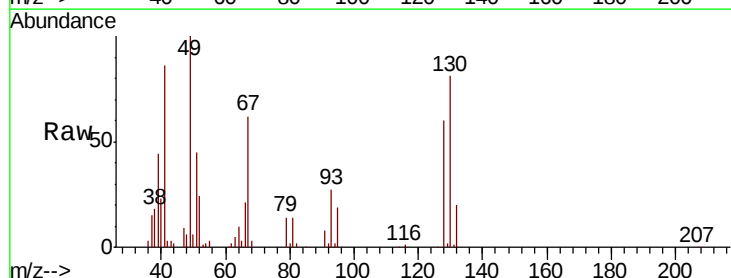
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



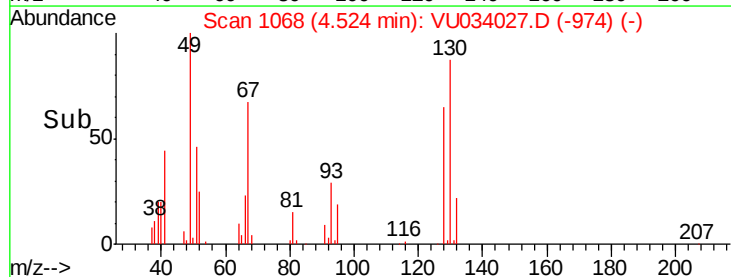
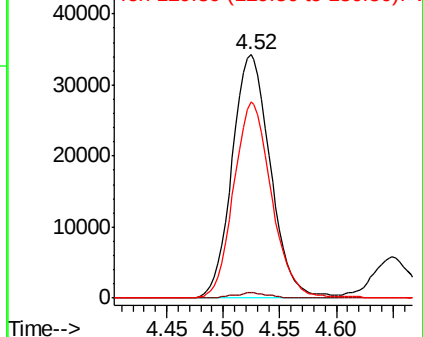
#28

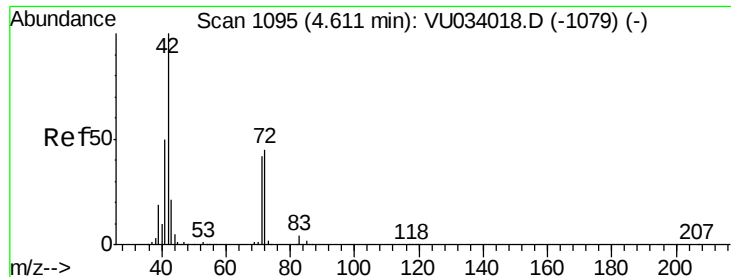
Bromochloromethane
Concen: 19.584 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	79.2	62.8	94.2



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

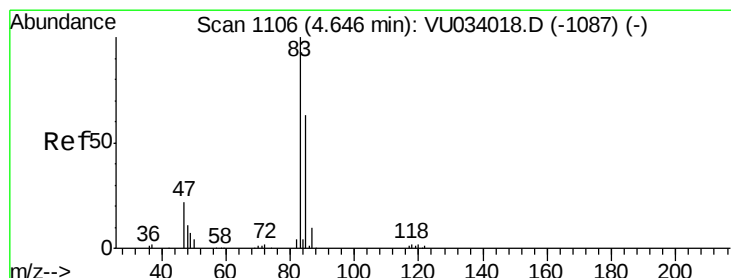
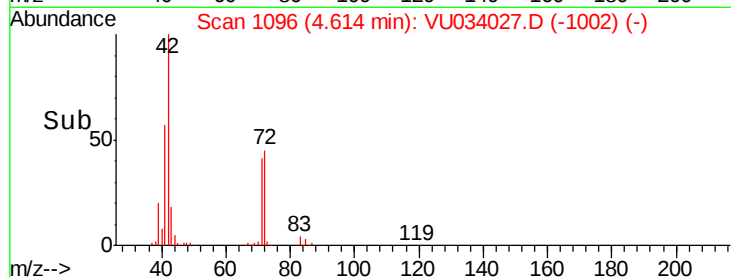
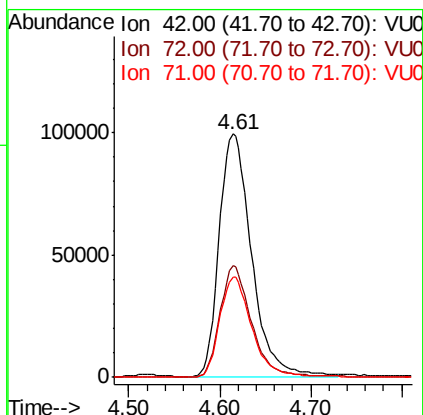
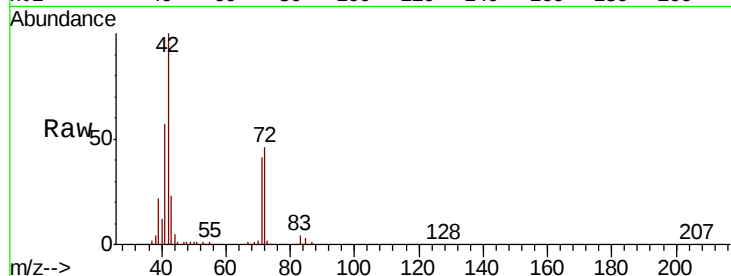




#29
Tetrahydrofuran
Concen: 106.272 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

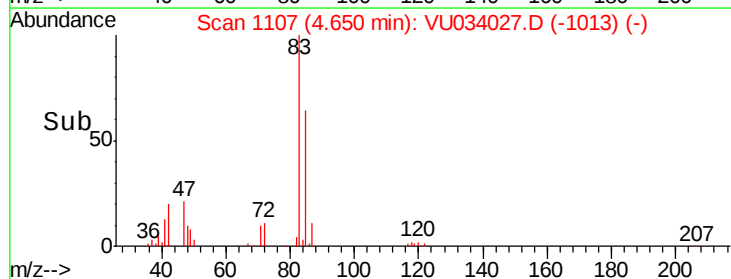
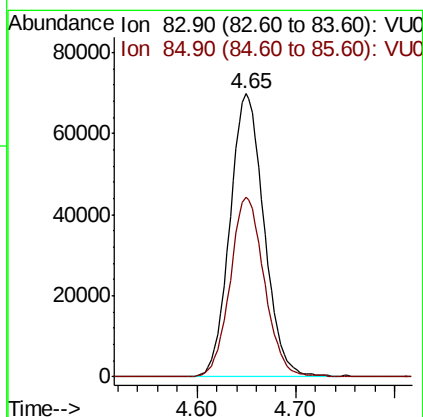
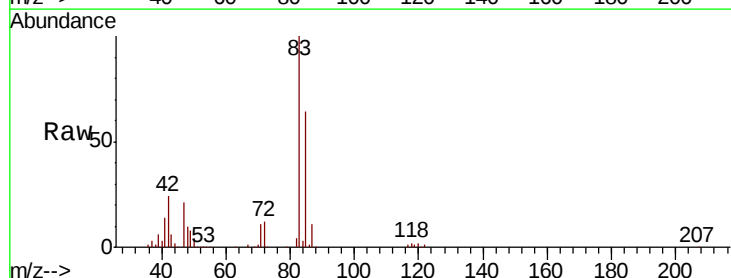
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

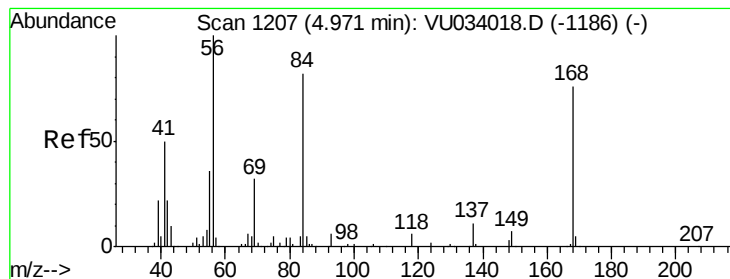
Tgt Ion: 42 Resp: 245779
Ion Ratio Lower Upper
42 100
72 45.1 35.8 53.6
71 41.4 34.0 51.0



#30
Chloroform
Concen: 20.051 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion: 83 Resp: 167950
Ion Ratio Lower Upper
83 100
85 63.6 50.7 76.1





#31

Cyclohexane

Concen: 19.974 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

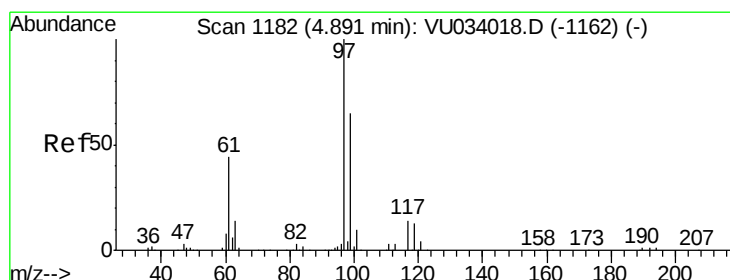
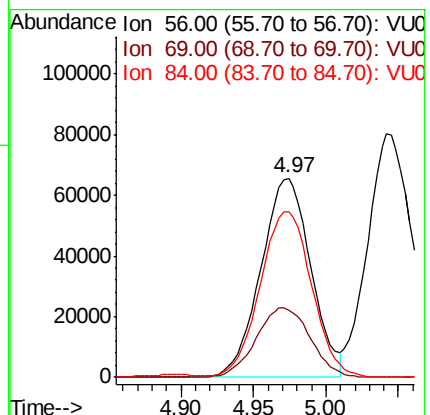
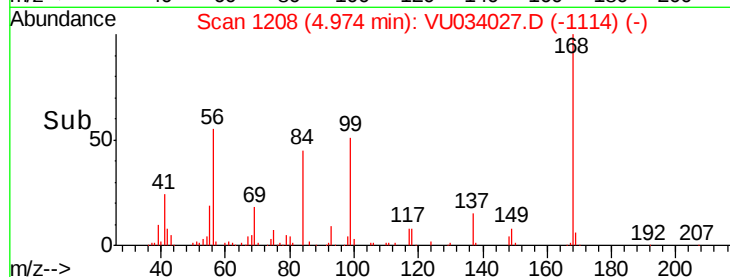
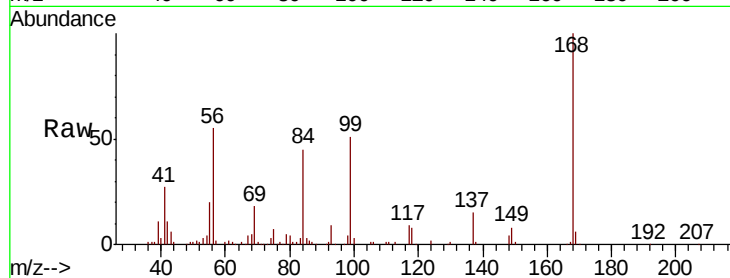
Tgt Ion: 56 Resp: 157565

Ion Ratio Lower Upper

56 100

69 33.7 25.4 38.0

84 82.0 65.8 98.8



#32

1,1,1-Trichloroethane

Concen: 20.131 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

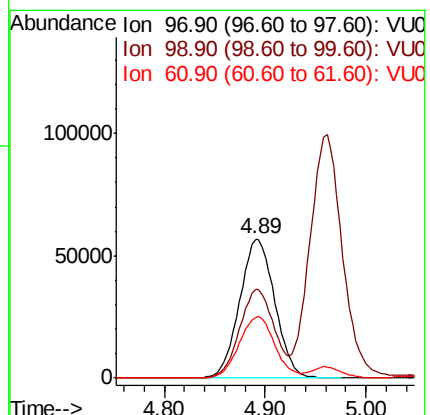
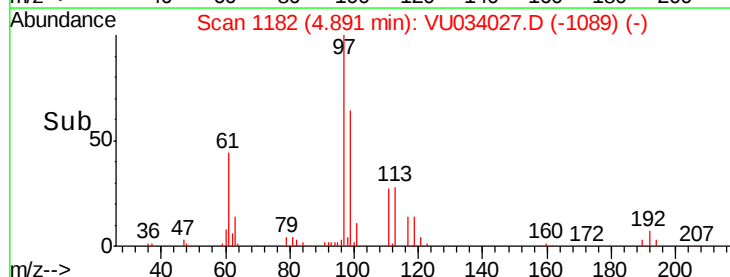
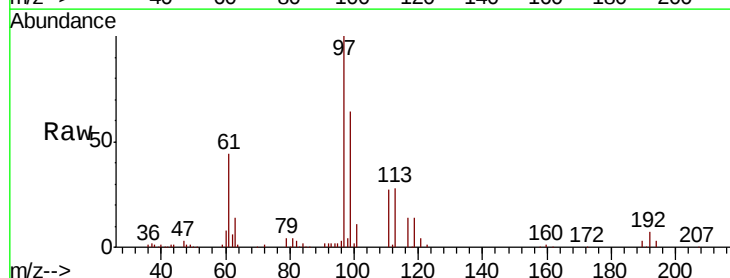
Tgt Ion: 97 Resp: 138102

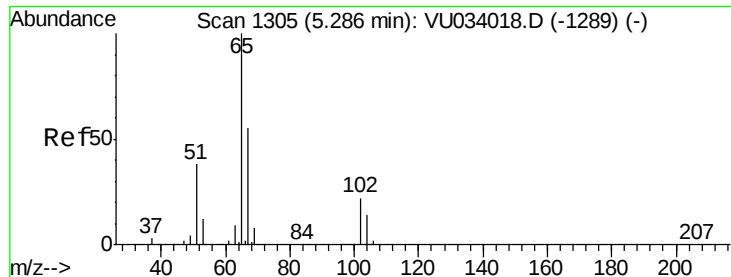
Ion Ratio Lower Upper

97 100

99 62.3 51.8 77.6

61 44.4 35.3 52.9

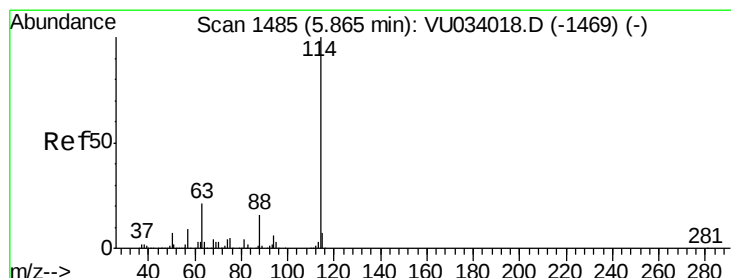
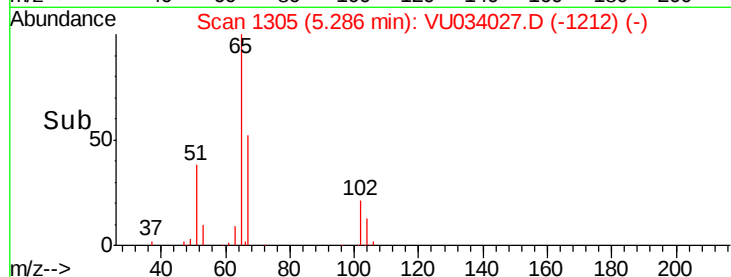
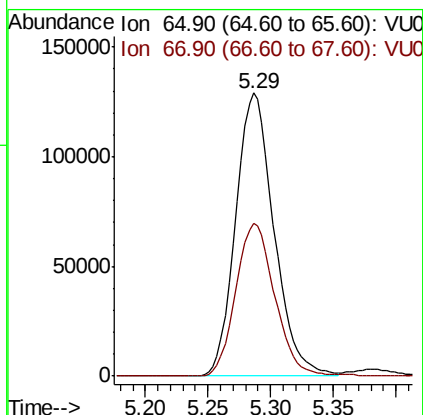
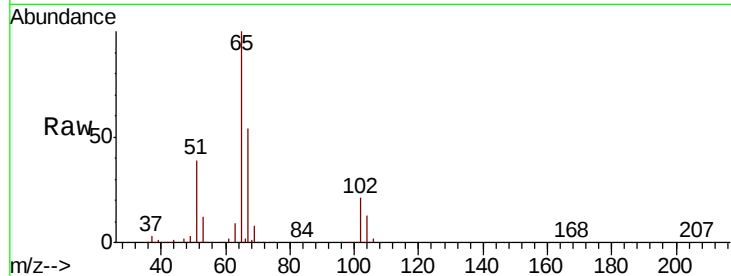




#33
 1,2-Dichloroethane-d4
 Concen: 51.999 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

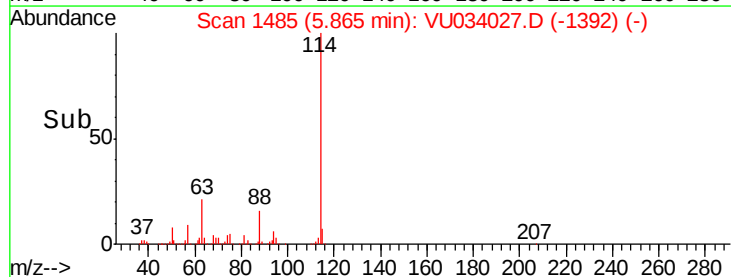
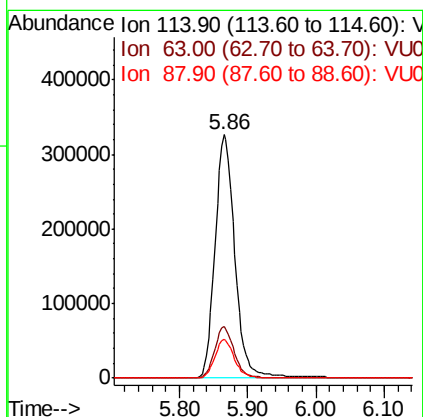
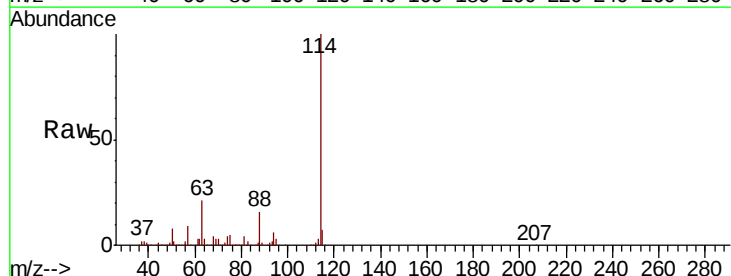
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

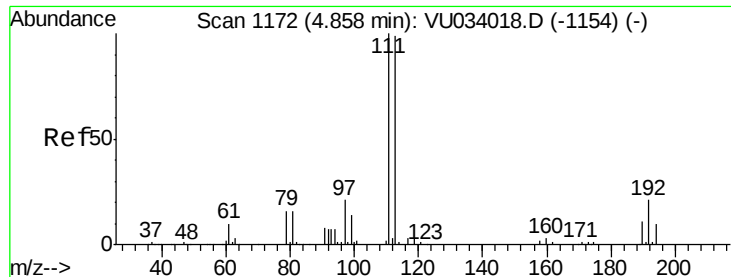
Tgt Ion: 65 Resp: 274703
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 114 Resp: 662591
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.0
 88 15.9 0.0 32.0

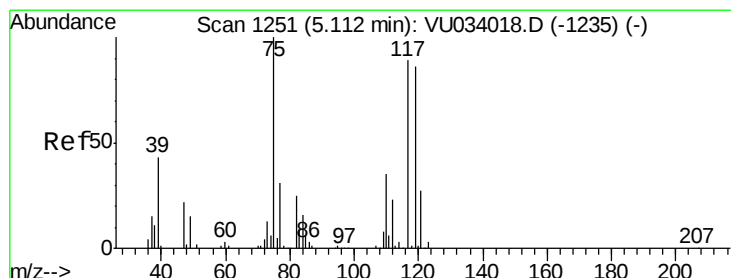
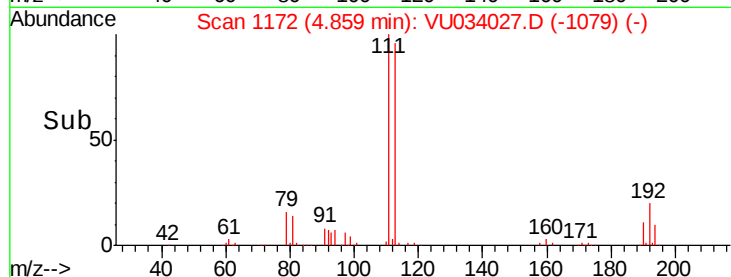
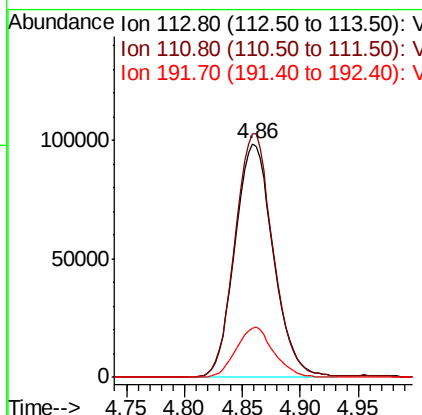
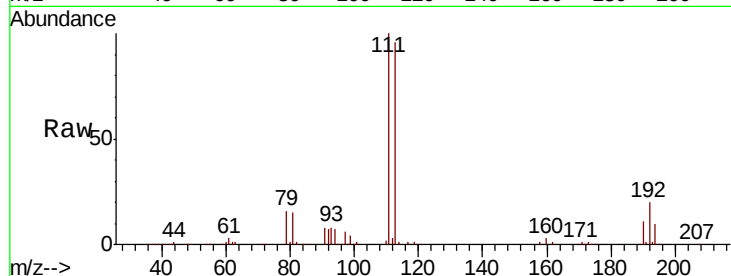




#35
 Dibromofluoromethane
 Concen: 49.596 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

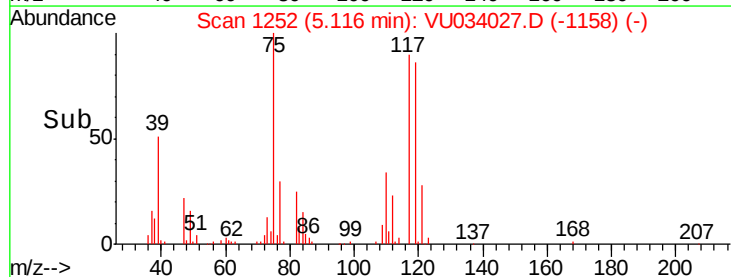
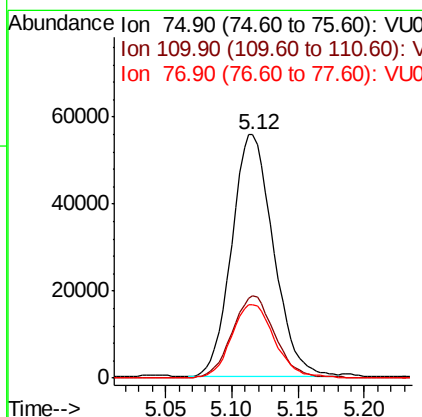
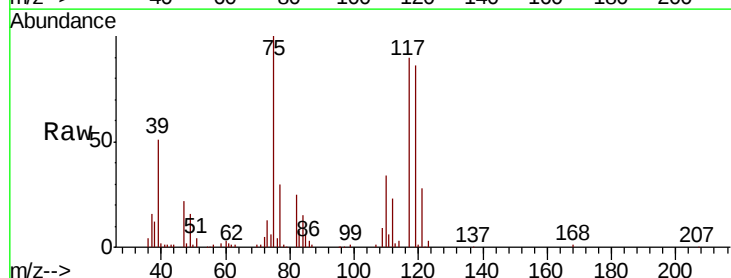
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

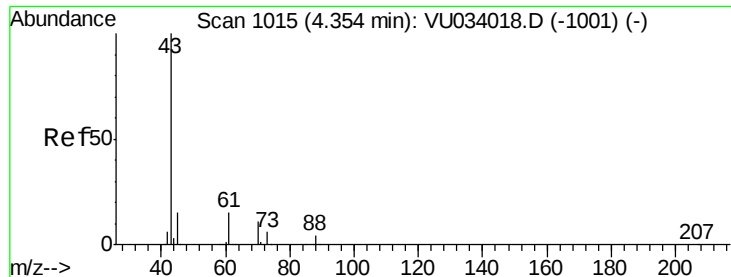
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	21.0	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 19.411 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.8	53.5
77	31.9	25.0	37.4

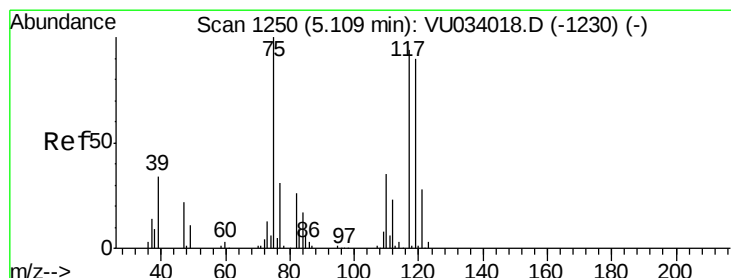
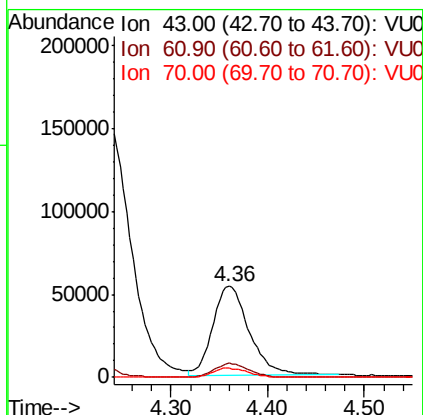
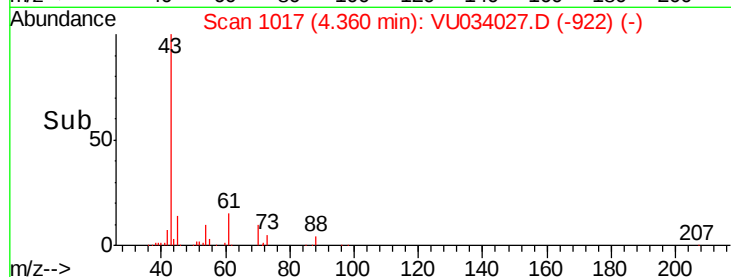
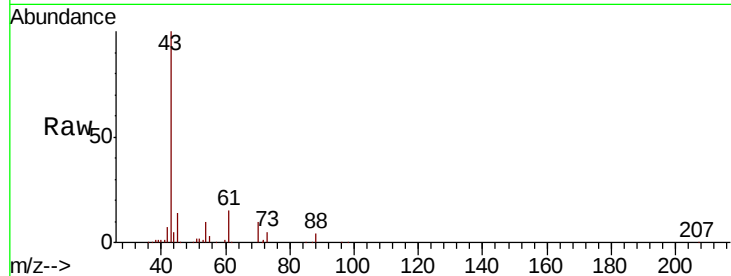




#37
 Ethyl Acetate
 Concen: 20.180 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

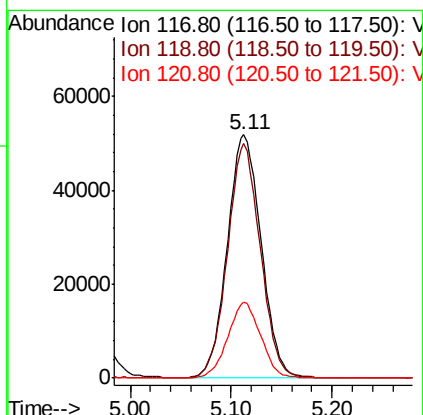
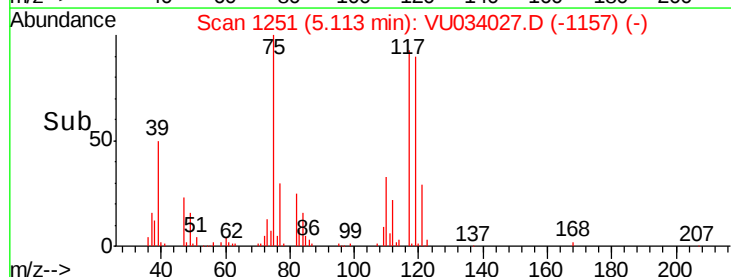
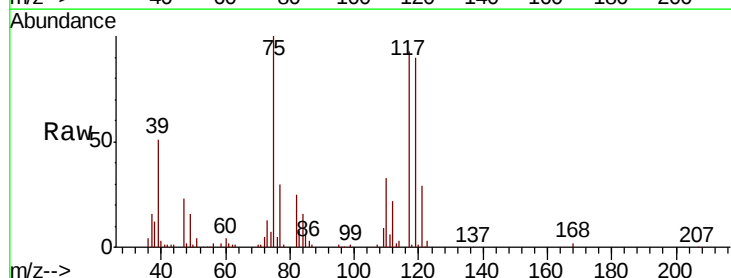
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

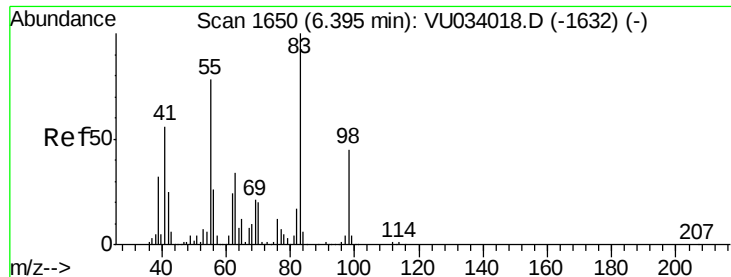
Tgt Ion: 43 Resp: 141631
 Ion Ratio Lower Upper
 43 100
 61 14.6 11.5 17.3
 70 9.7 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 20.051 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 117 Resp: 121297
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.0 115.4
 121 31.1 23.9 35.9

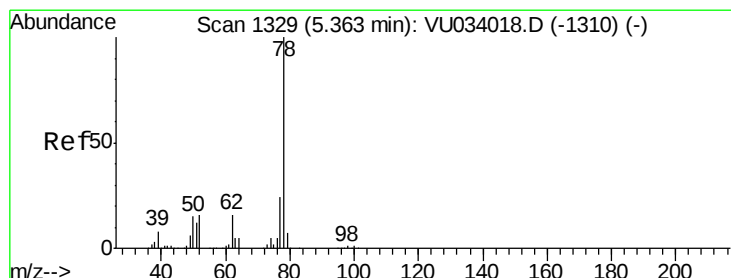
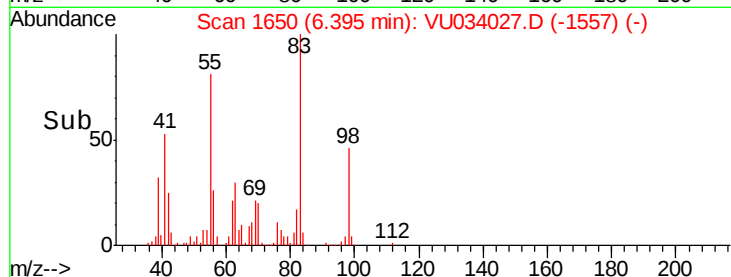
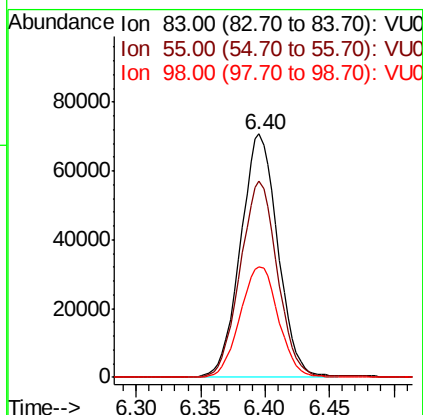
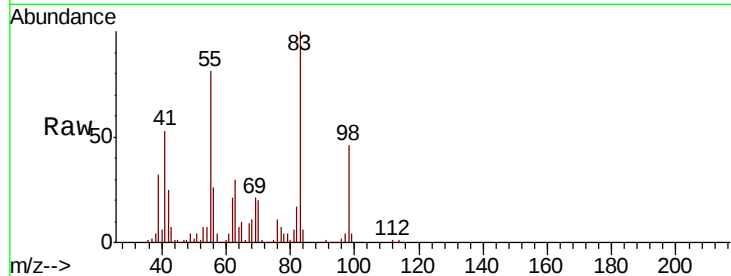




#39
Methylcyclohexane
Concen: 19.282 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

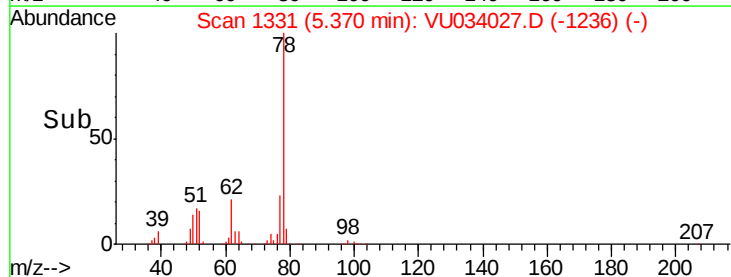
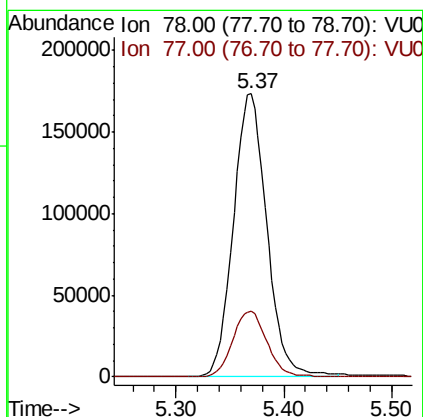
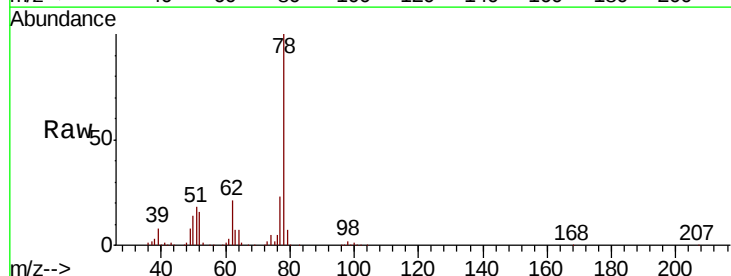
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

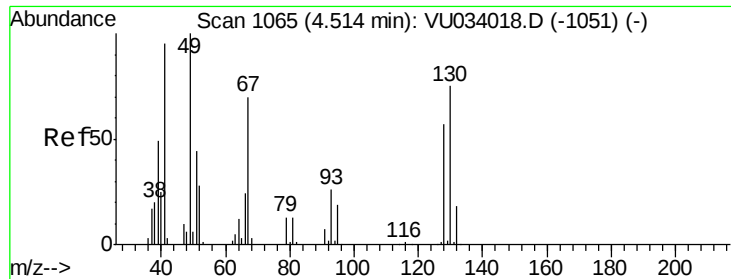
Tgt Ion: 83 Resp: 142436
Ion Ratio Lower Upper
83 100
55 80.6 62.3 93.5
98 45.5 36.2 54.2



#40
Benzene
Concen: 19.777 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion: 78 Resp: 375008
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

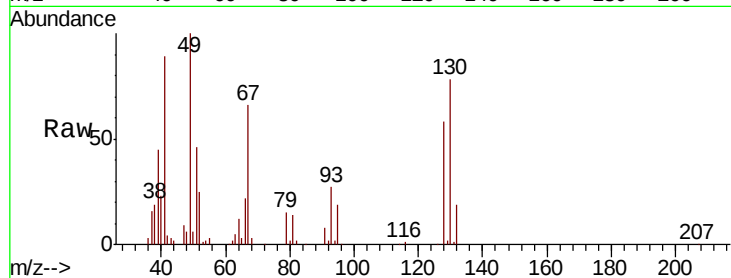




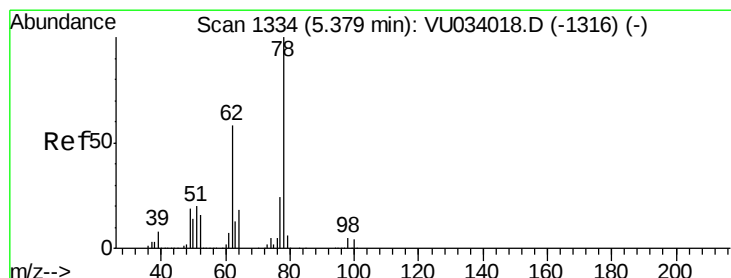
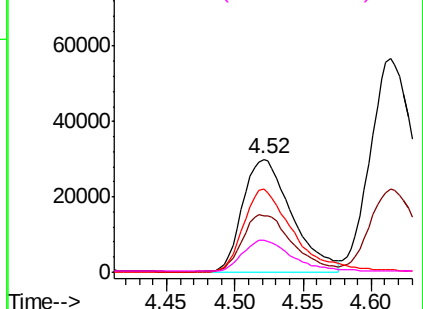
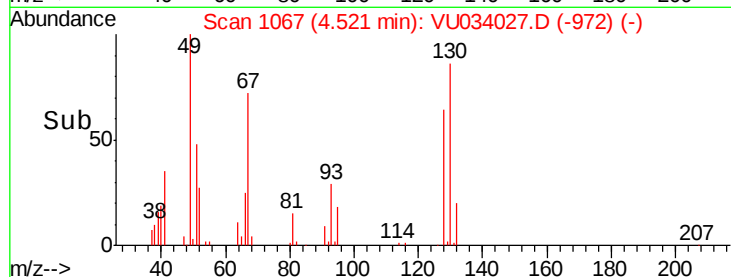
#41
Methacrylonitrile
Concen: 20.760 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tgt Ion: 41 Resp: 74723
Ion Ratio Lower Upper
41 100
39 52.6 42.1 63.1
67 76.0 61.0 91.4
52 28.2 23.3 34.9

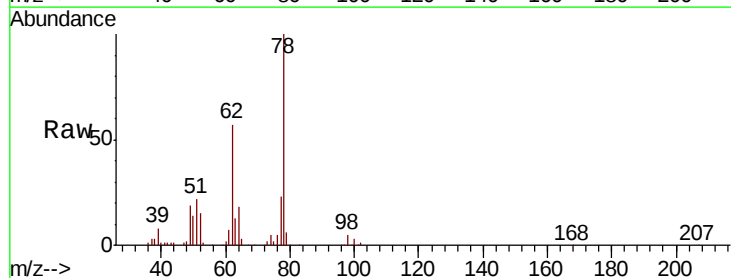


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

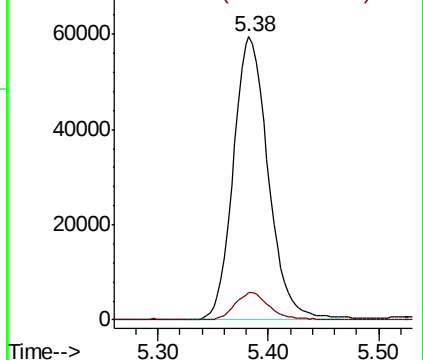
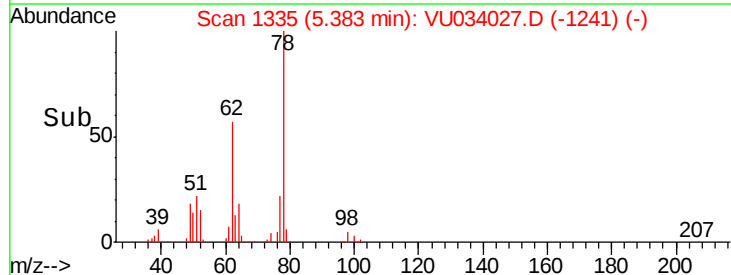


#42
1,2-Dichloroethane
Concen: 19.943 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion: 62 Resp: 130586
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.2



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





#43

Isopropyl Acetate

Concen: 19.915 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

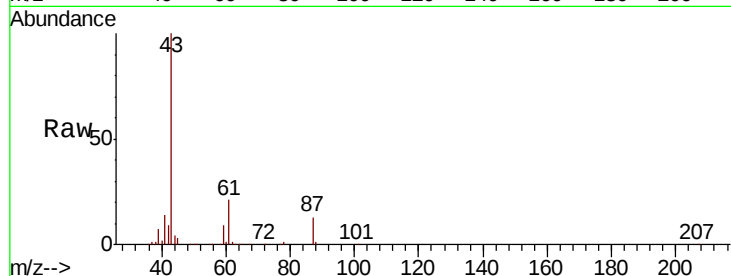
Tgt Ion: 43 Resp: 212631

Ion Ratio Lower Upper

43 100

61 20.5 17.2 25.8

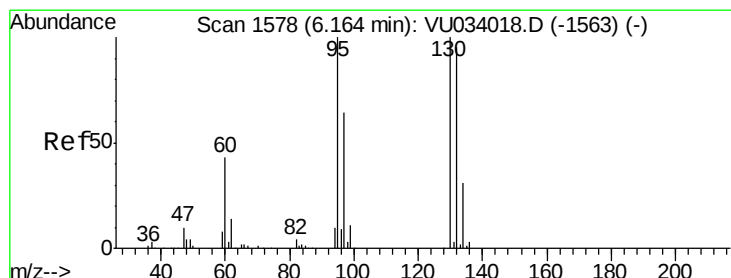
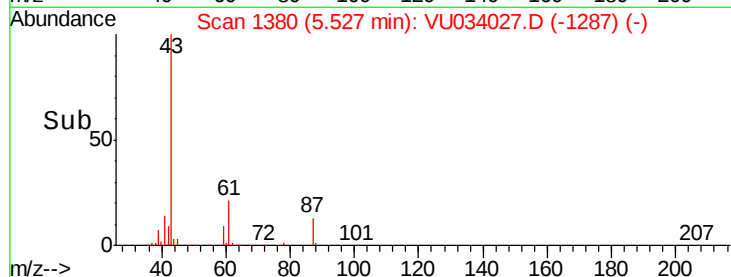
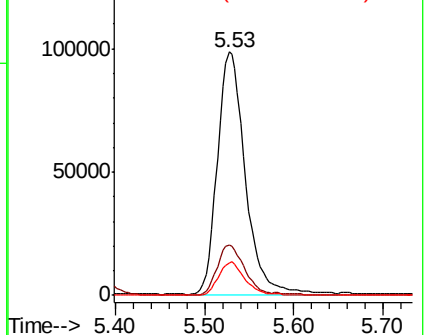
87 13.2 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU034018.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-1365) (-)



#44

Trichloroethene

Concen: 19.406 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034027.D

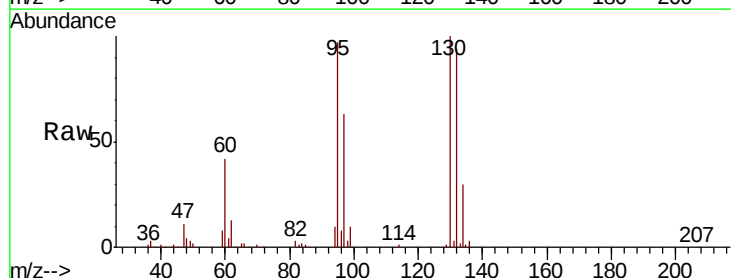
Acq: 28 Aug 2019 16:55

Tgt Ion: 130 Resp: 96628

Ion Ratio Lower Upper

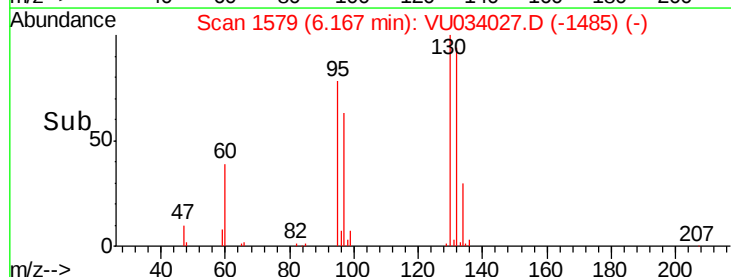
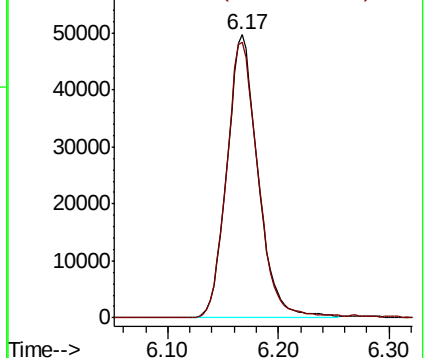
130 100

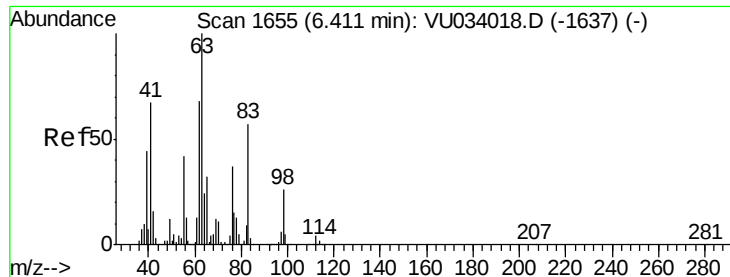
95 97.4 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034018.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU034018.D (-1563) (-)





#45

1,2-Dichloropropane

Concen: 19.644 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

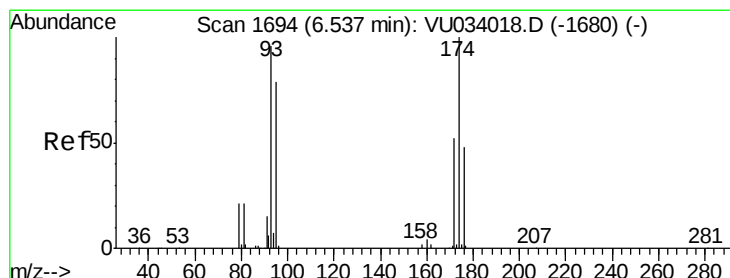
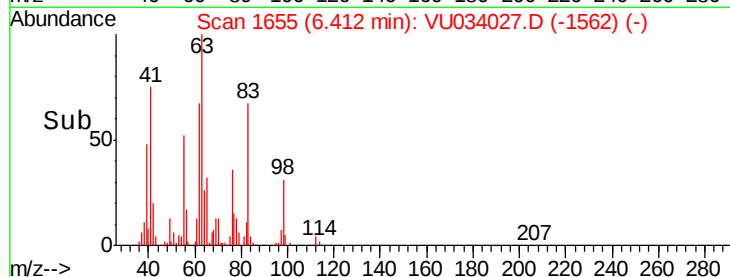
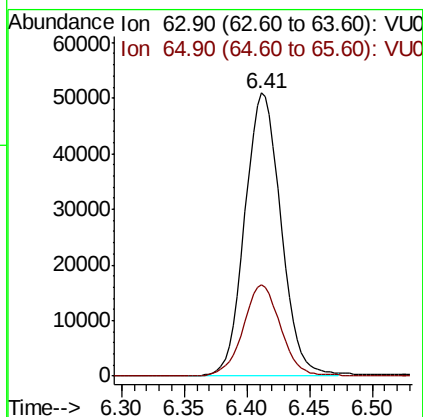
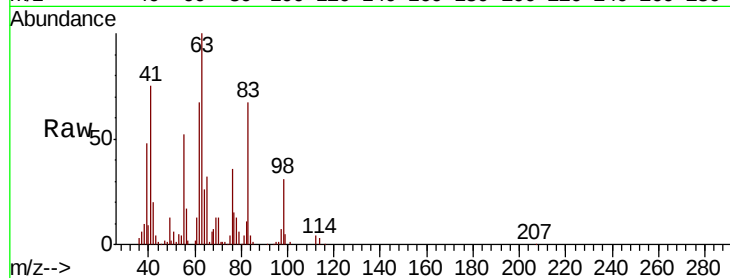
VU0829WBS01

Tgt Ion: 63 Resp: 102539

Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.2



#46

Dibromomethane

Concen: 19.900 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

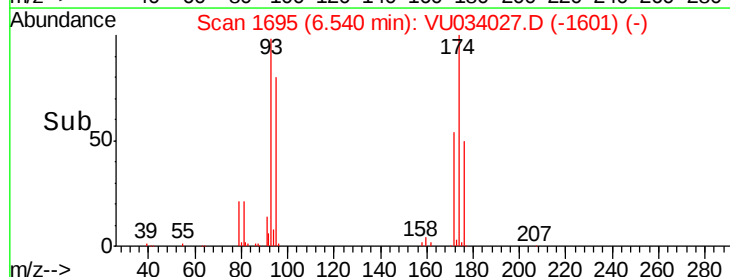
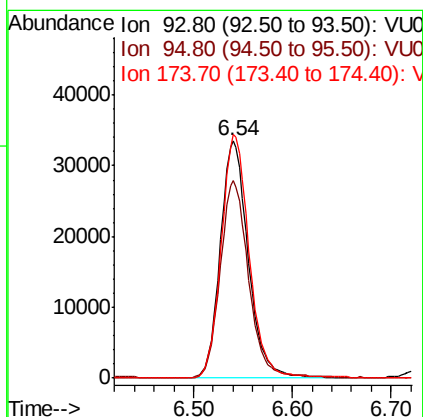
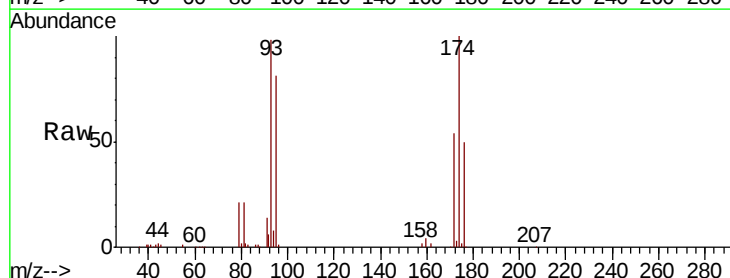
Tgt Ion: 93 Resp: 66922

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 102.1 84.9 127.3





#47

Bromodichloromethane

Concen: 19.249 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

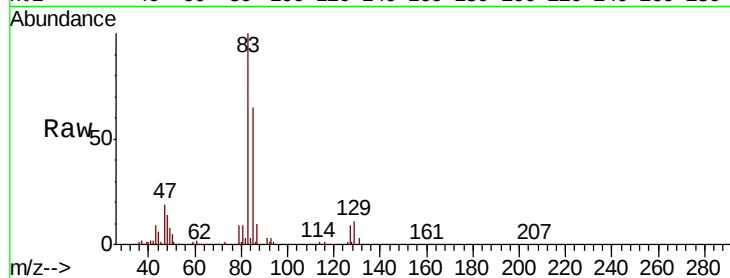
Tgt Ion: 83 Resp: 126646

Ion Ratio Lower Upper

83 100

85 65.3 51.2 76.8

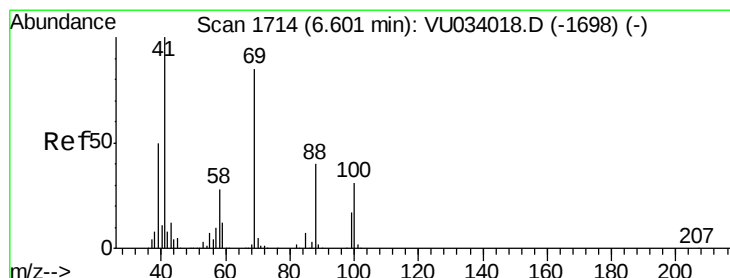
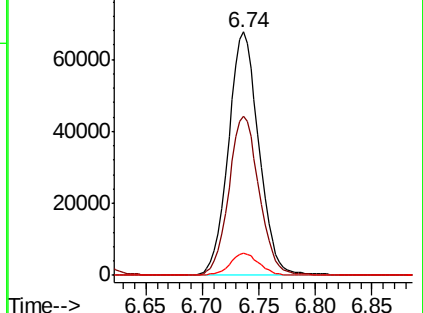
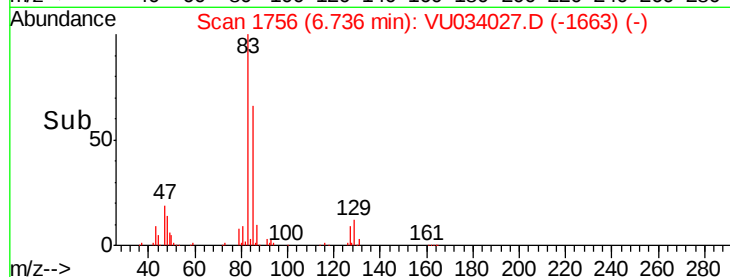
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034027.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034027.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034027.D (-1663) (-)



#48

Methyl methacrylate

Concen: 19.136 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

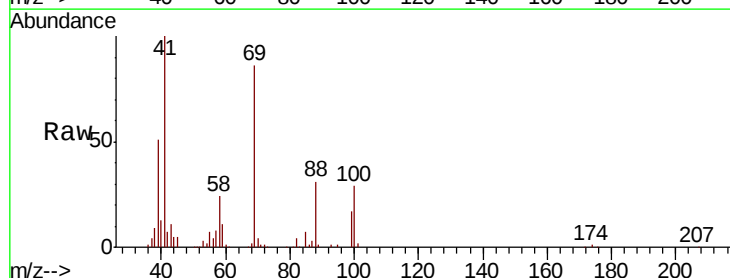
Tgt Ion: 41 Resp: 98595

Ion Ratio Lower Upper

41 100

69 89.7 69.5 104.3

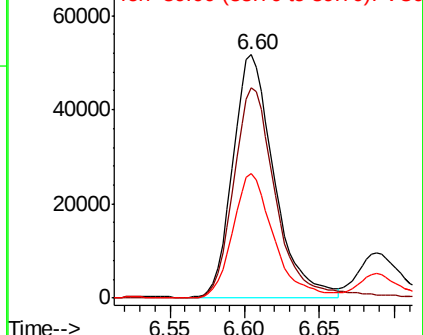
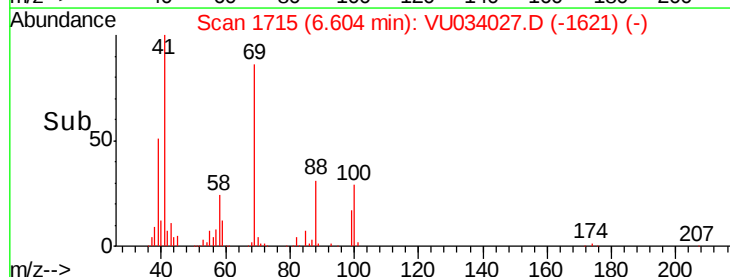
39 50.3 40.3 60.5

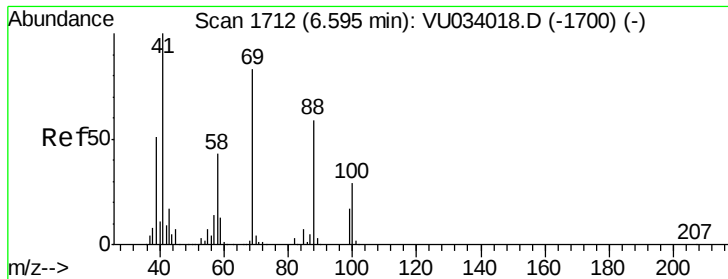


Abundance Ion 41.00 (40.70 to 41.70): VU034027.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034027.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034027.D (-1621) (-)





#49

1,4-Dioxane

Concen: 362.249 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

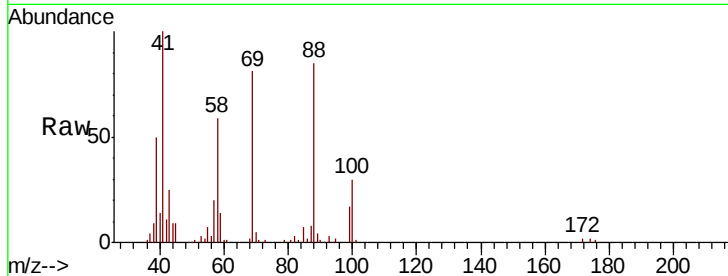
Tgt Ion: 88 Resp: 46764

Ion Ratio Lower Upper

88 100

43 32.0 24.8 37.2

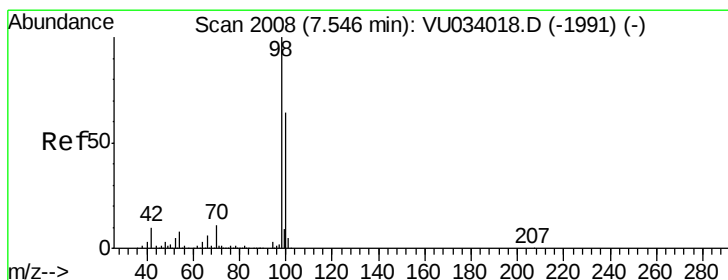
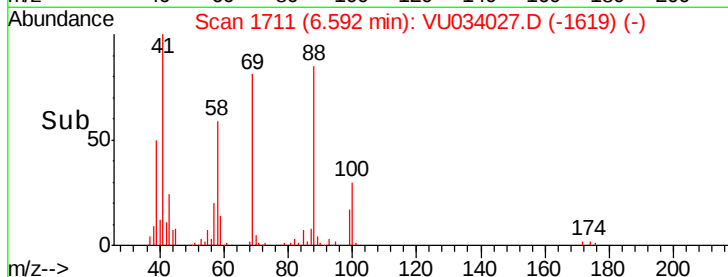
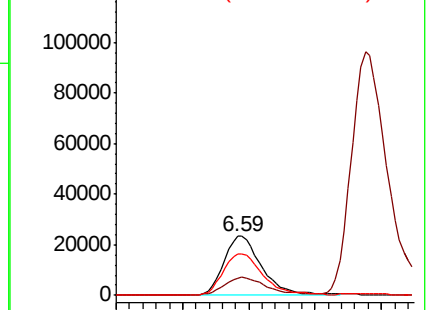
58 73.0 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VU034018.D (-1700) (-)

Ion 43.00 (42.70 to 43.70): VU034018.D (-1700) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1700) (-)



#50

Toluene-d8

Concen: 51.826 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034027.D

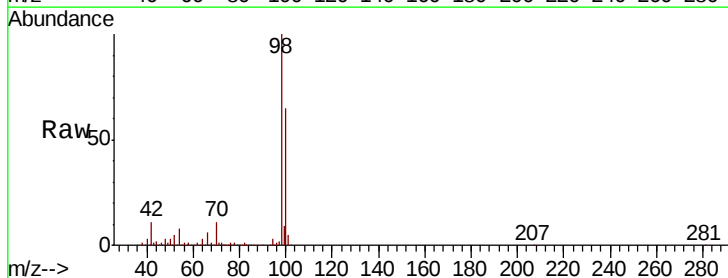
Acq: 28 Aug 2019 16:55

Tgt Ion: 98 Resp: 891820

Ion Ratio Lower Upper

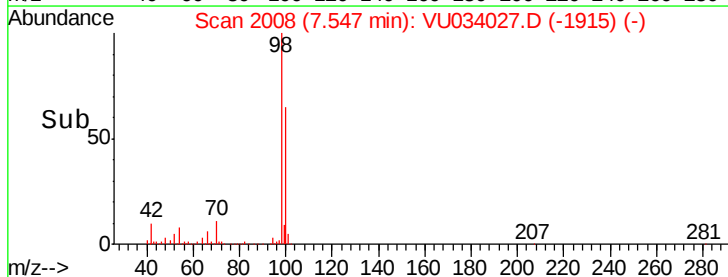
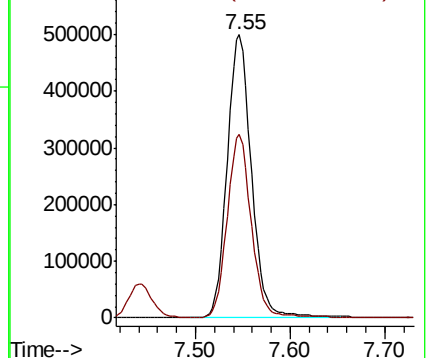
98 100

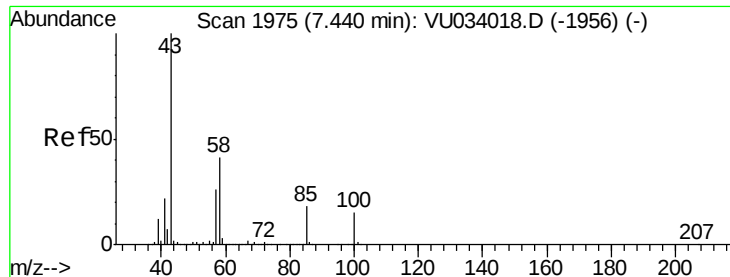
100 64.1 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034018.D (-1991) (-)

Ion 100.00 (99.70 to 100.70): VU034018.D (-1991) (-)

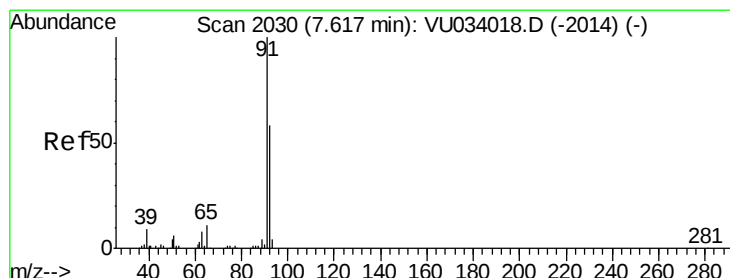
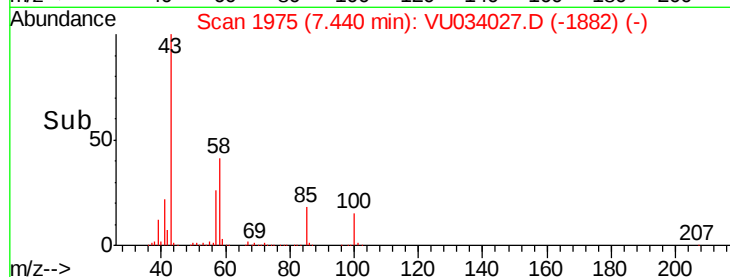
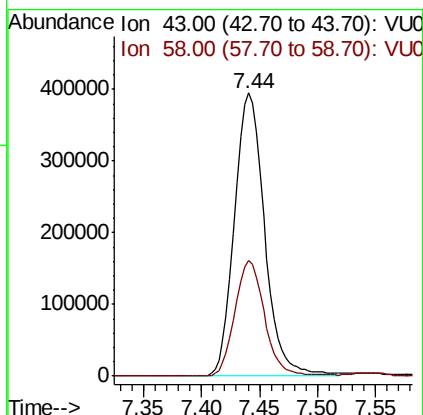
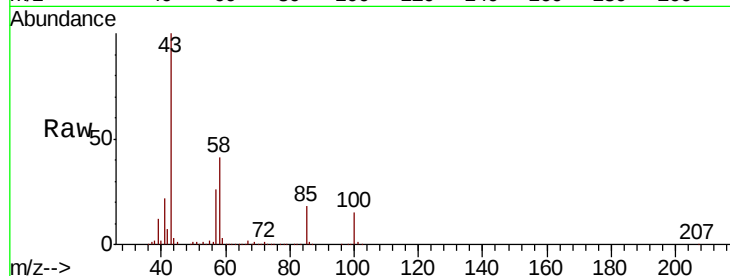




#51
 4-Methyl-2-Pentanone
 Concen: 96.178 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

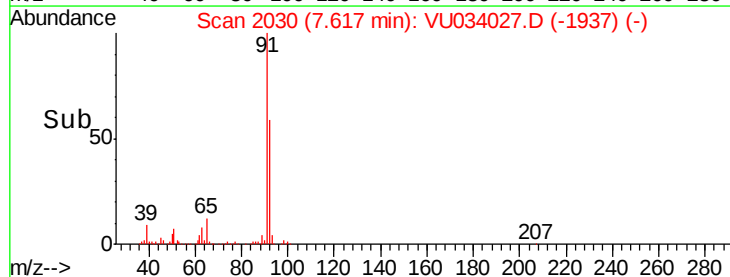
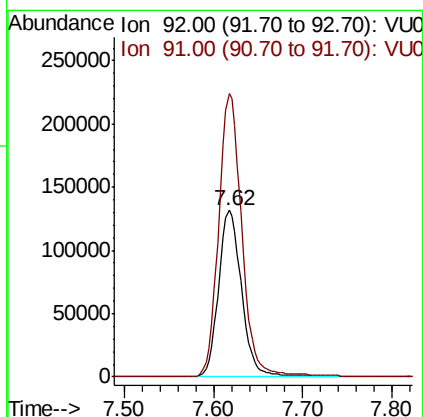
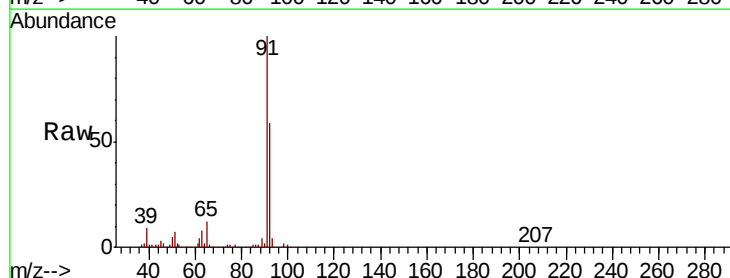
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

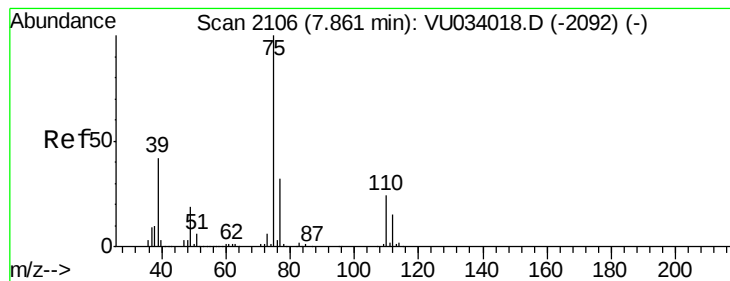
Tgt Ion: 43 Resp: 709191
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4



#52
 Toluene
 Concen: 20.246 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 92 Resp: 236492
 Ion Ratio Lower Upper
 92 100
 91 169.0 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

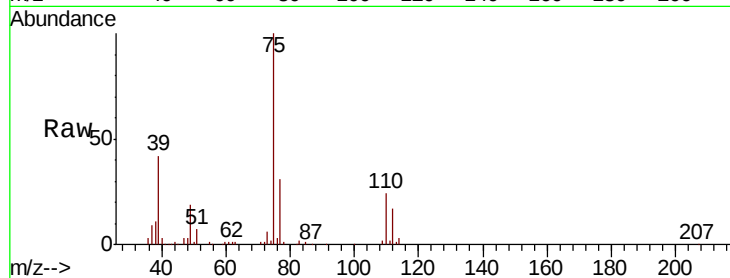
VU0829WBS01

Tgt Ion: 75 Resp: 137536

Ion Ratio Lower Upper

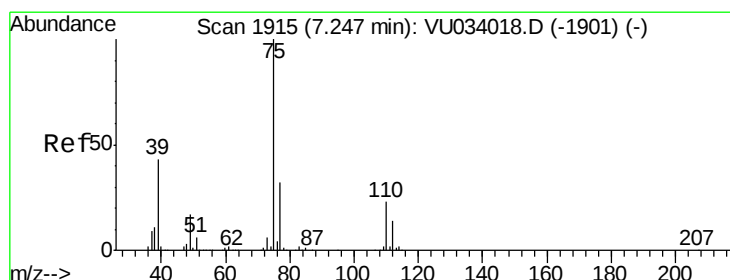
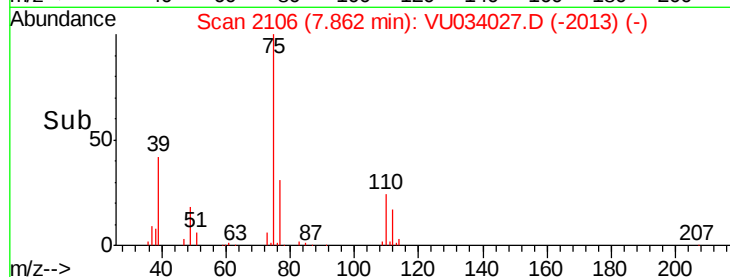
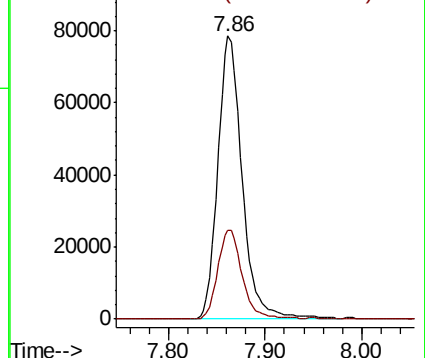
75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

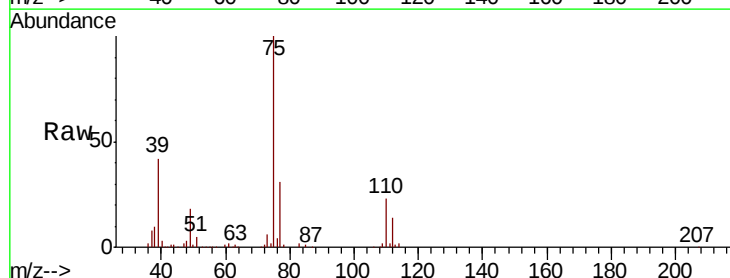
Tgt Ion: 75 Resp: 155211

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

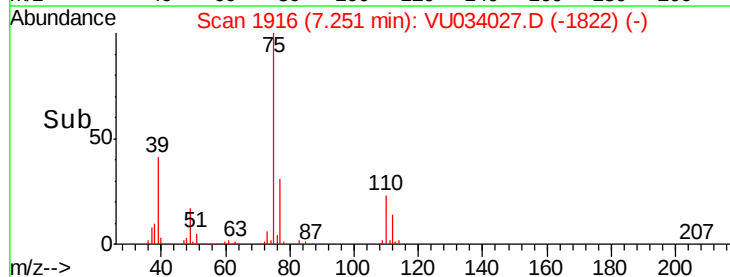
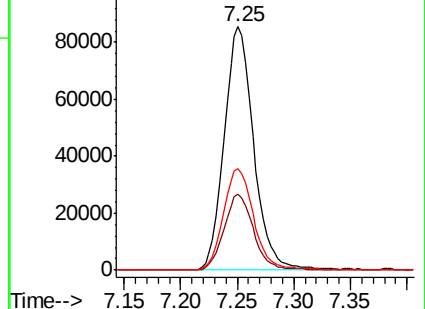
39 41.3 34.6 51.8

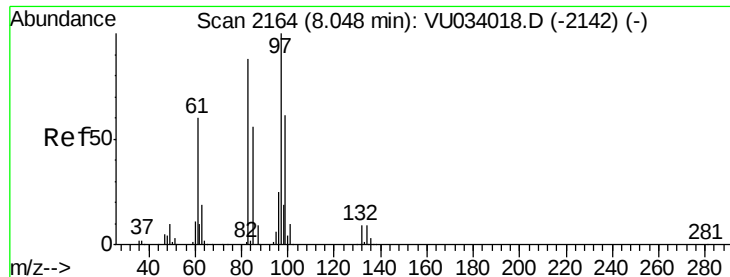


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

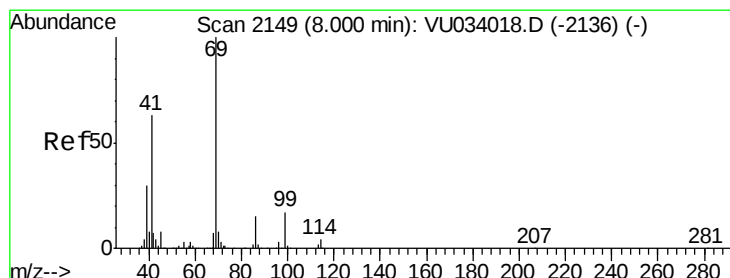
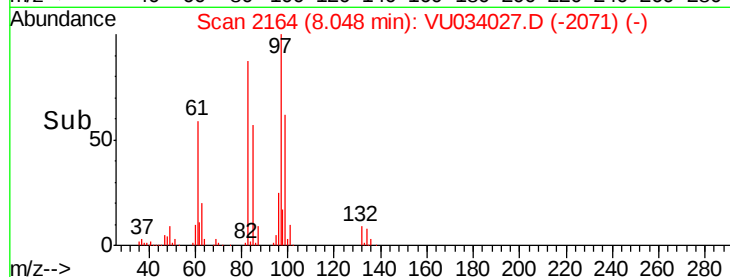
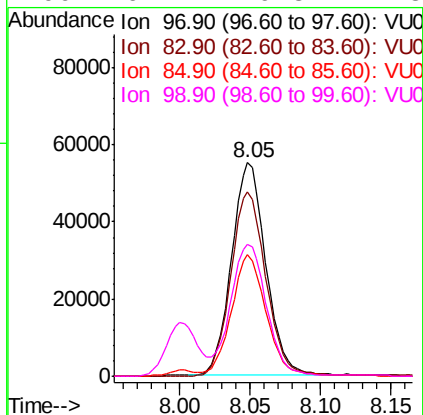
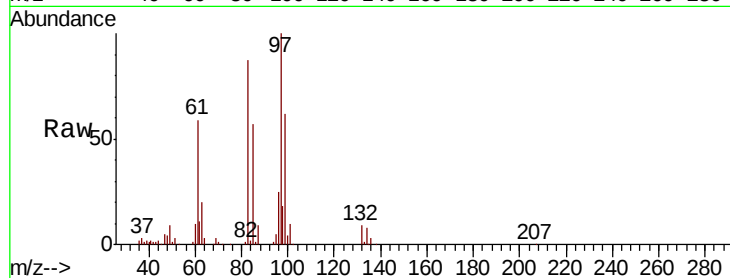




#55
 1,1,2-Trichloroethane
 Concen: 18.981 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

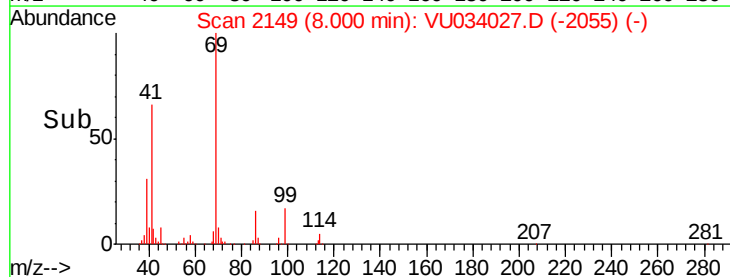
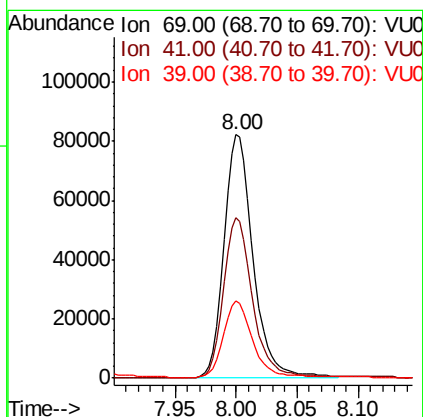
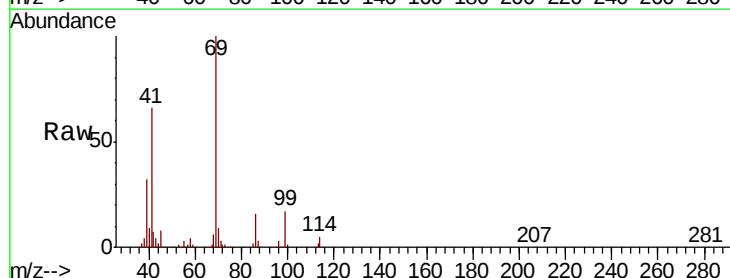
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

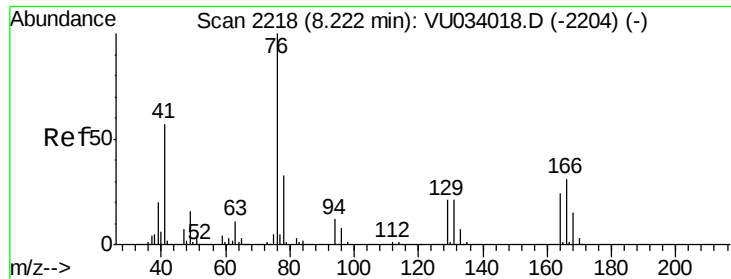
Tgt Ion:	97	Resp:	93785
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	56.7	45.0	67.4
99	61.2	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 17.497 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion:	69	Resp:	138122
Ion	Ratio	Lower	Upper
69	100		
41	65.4	50.7	76.1
39	31.1	24.2	36.2

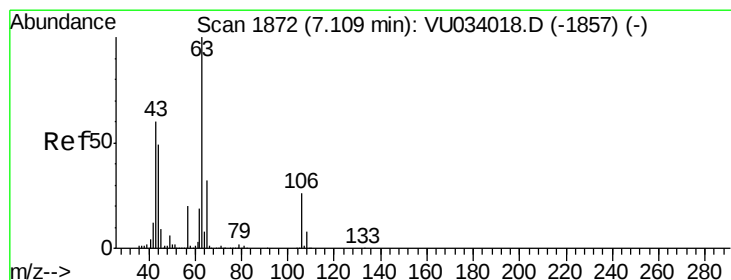
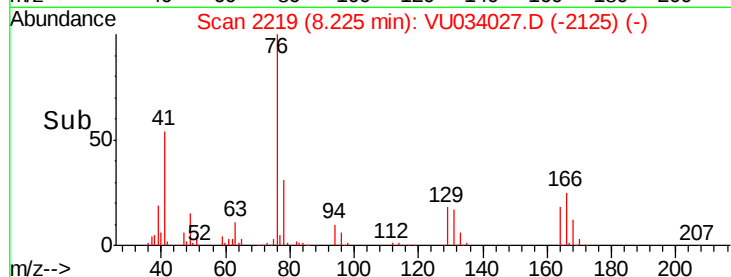
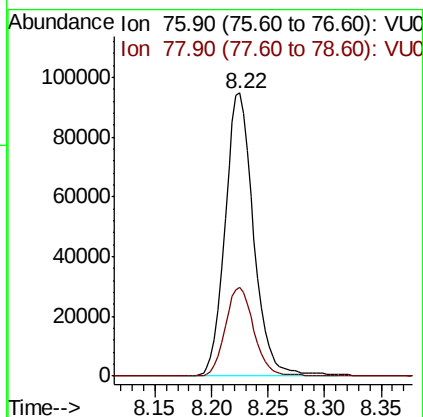
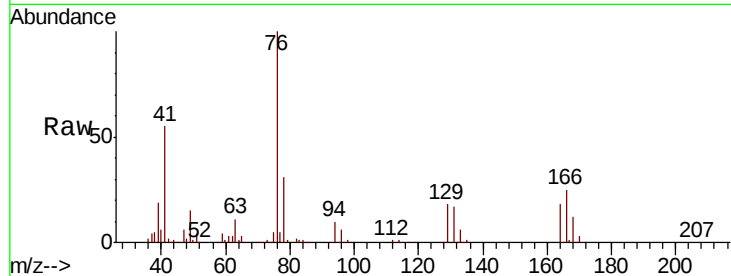




#57
 1,3-Dichloropropane
 Concen: 19.834 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

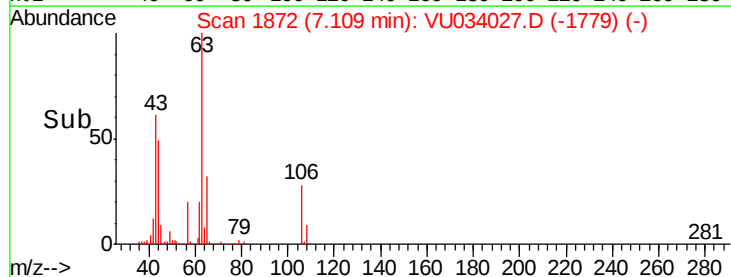
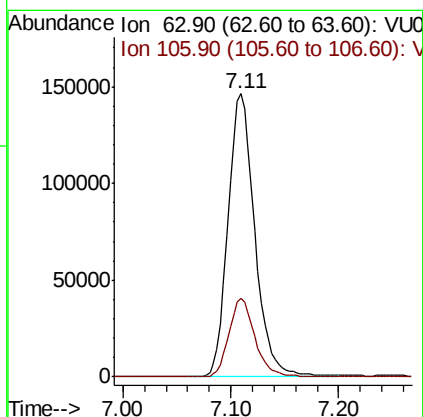
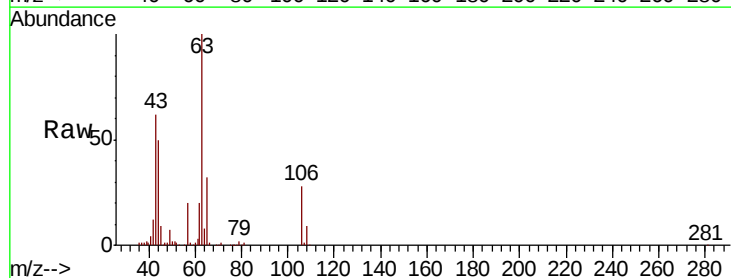
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

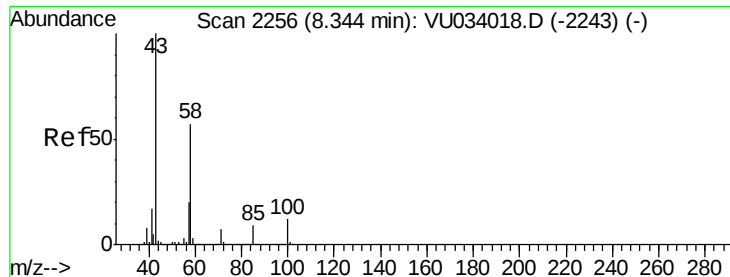
Tgt Ion: 76 Resp: 166396
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.994 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion: 63 Resp: 254196
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.7 31.1

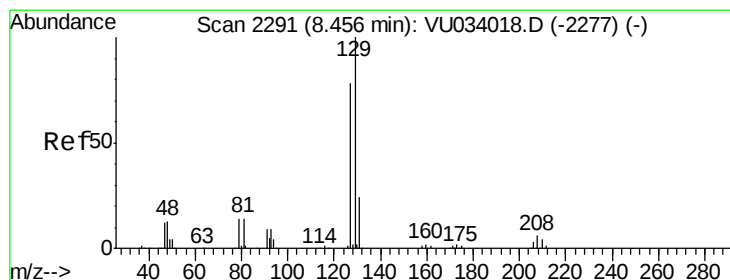
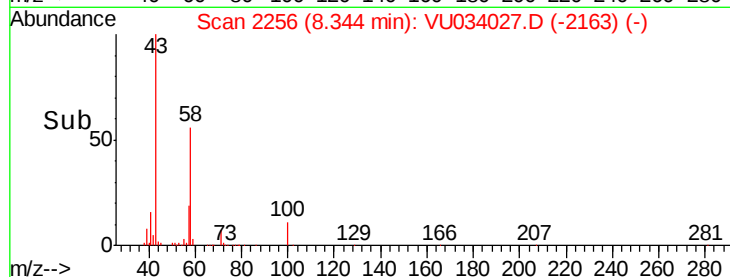
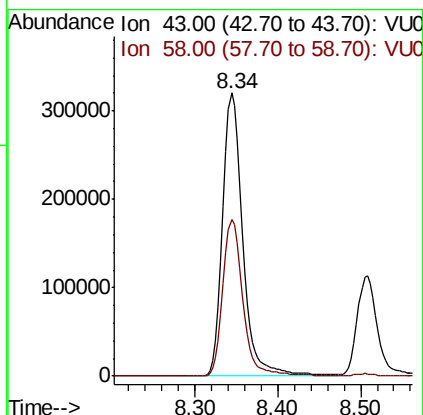
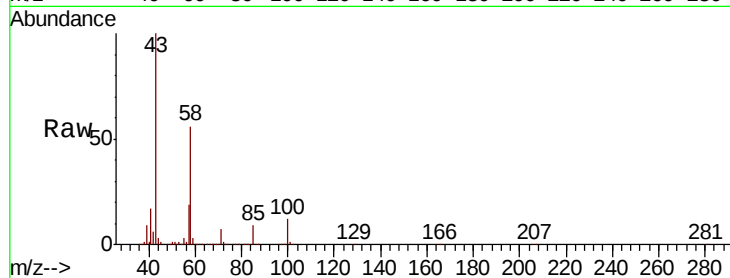




#59
2-Hexanone
Concen: 96.720 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

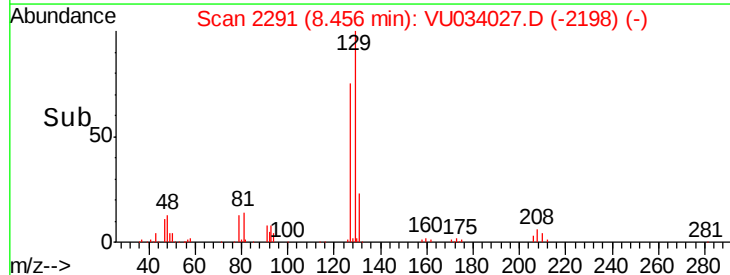
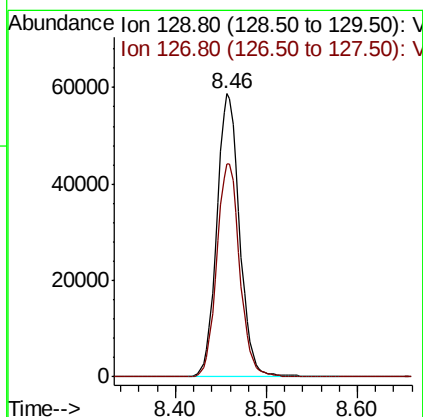
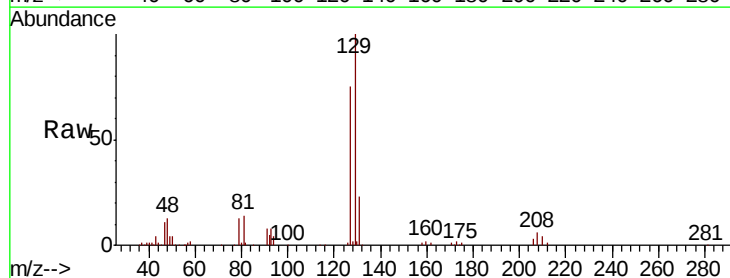
Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

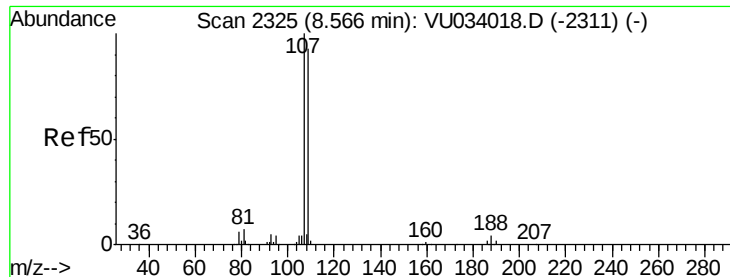
Tgt Ion: 43 Resp: 538391
Ion Ratio Lower Upper
43 100
58 55.4 28.4 85.3



#60
Dibromochloromethane
Concen: 19.174 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion: 129 Resp: 101694
Ion Ratio Lower Upper
129 100
127 76.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.917 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

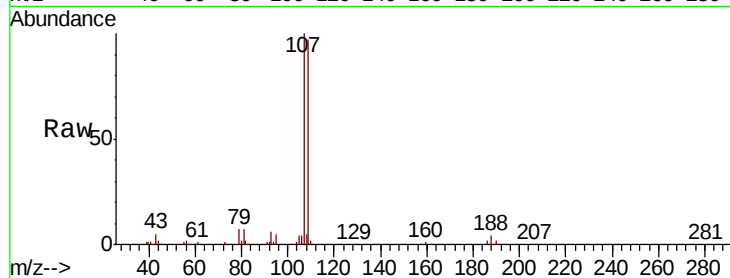
VU0829WBS01

Tgt Ion: 107 Resp: 98457

Ion Ratio Lower Upper

107 100

109 95.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

30000

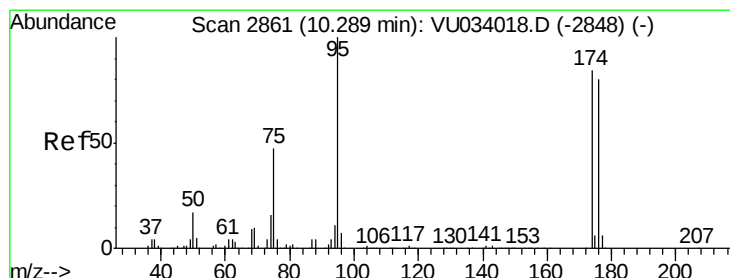
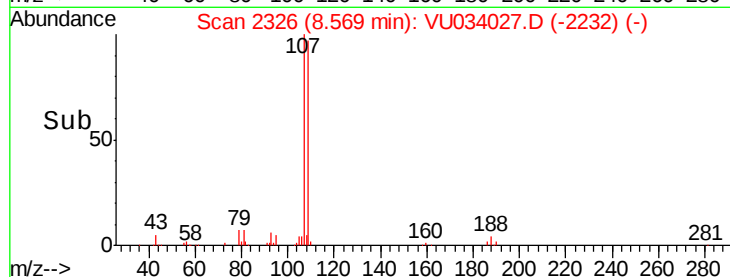
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 48.771 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

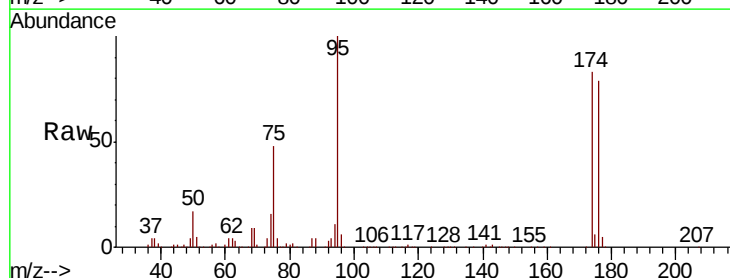
Tgt Ion: 95 Resp: 326460

Ion Ratio Lower Upper

95 100

174 83.2 0.0 168.8

176 79.9 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

250000

200000

150000

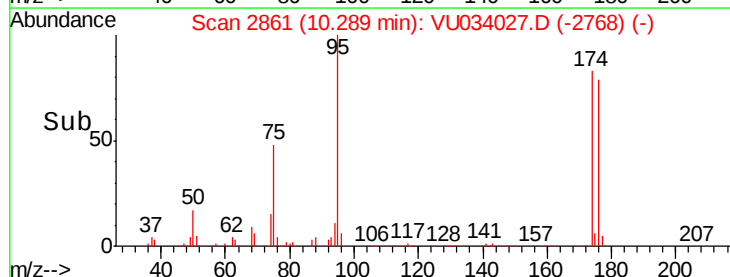
100000

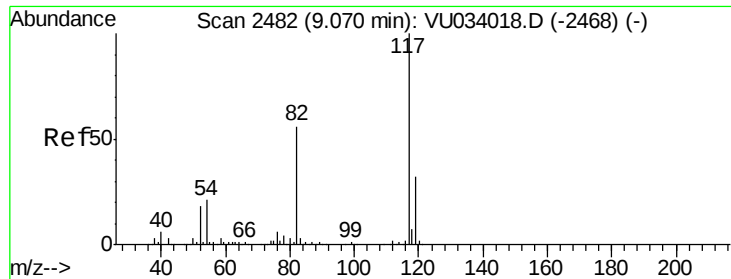
50000

0

10.20 10.30 10.40

Time-->

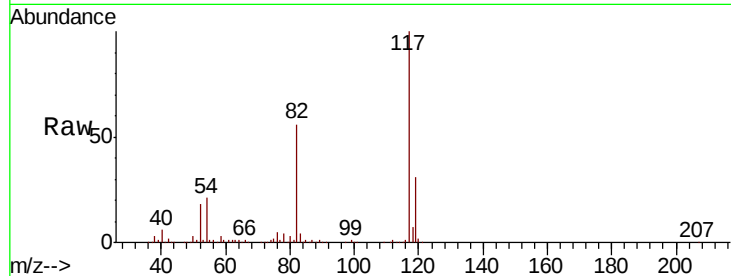




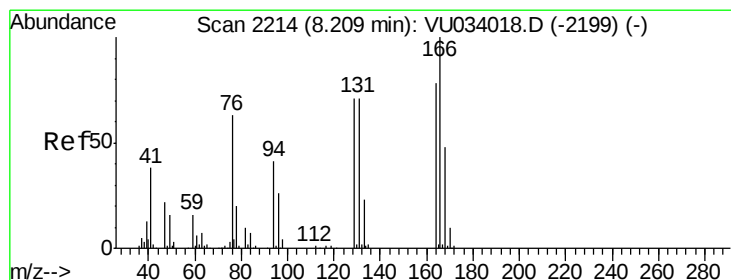
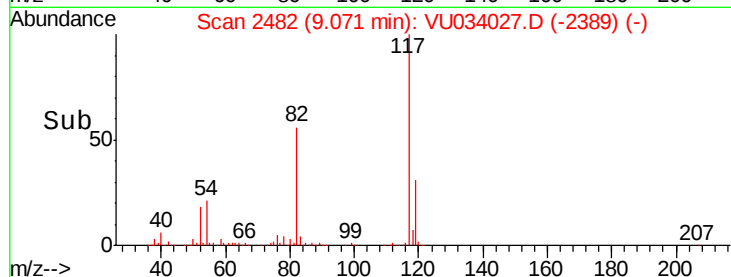
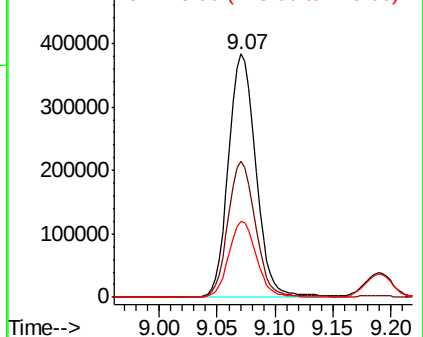
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tgt Ion:117 Resp: 631203
Ion Ratio Lower Upper
117 100
82 55.8 45.1 67.7
119 31.3 25.4 38.0

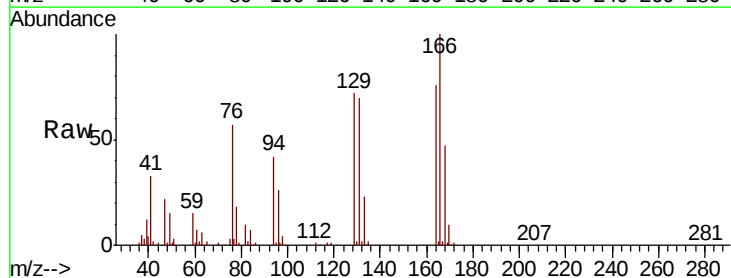


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

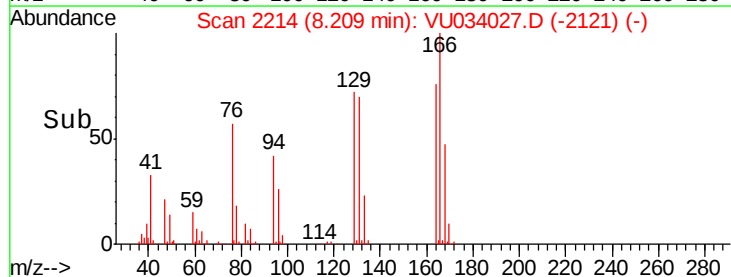
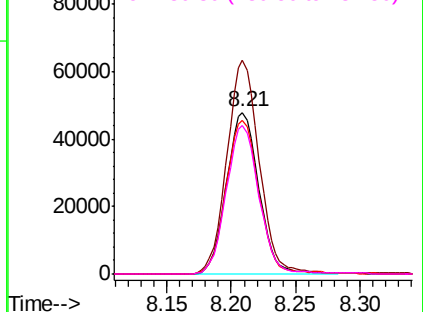


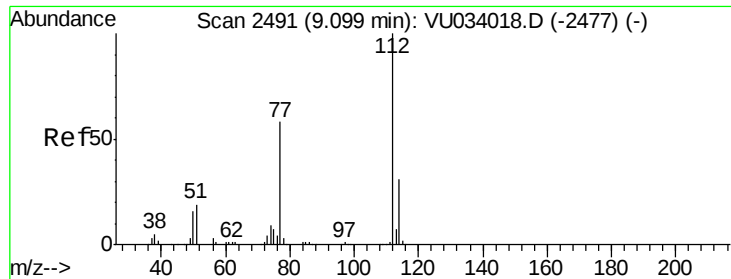
#64
Tetrachloroethene
Concen: 19.785 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion:164 Resp: 83867
Ion Ratio Lower Upper
164 100
166 132.0 102.2 153.2
129 94.5 72.4 108.6
131 91.8 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: 19.563 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

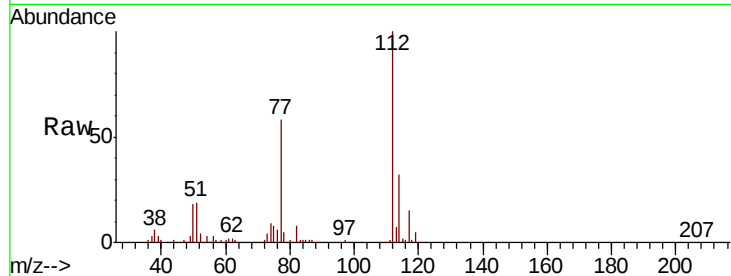
VU0829WBS01

Tgt Ion:112 Resp: 254113

Ion Ratio Lower Upper

112 100

114 31.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

150000

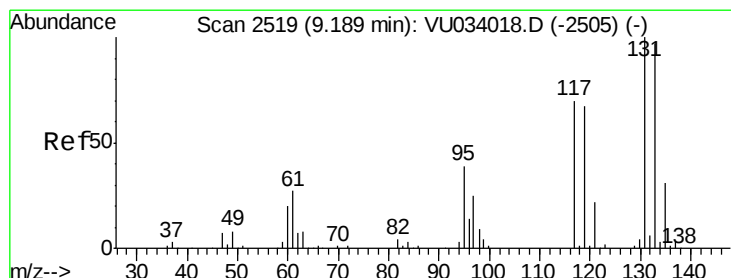
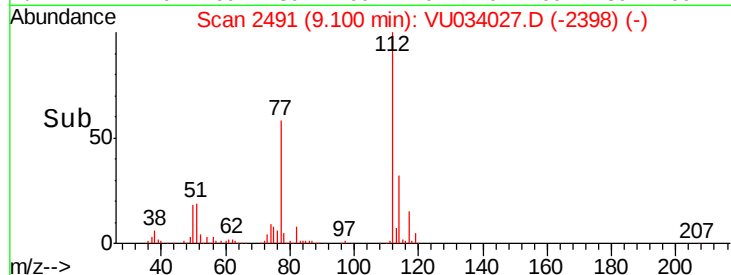
100000

50000

0

Time-->

9.00 9.10 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 19.264 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

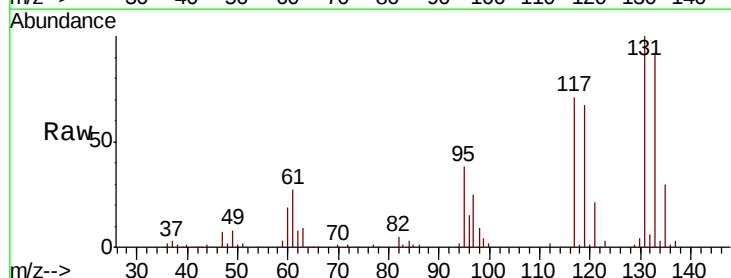
Tgt Ion:131 Resp: 90734

Ion Ratio Lower Upper

131 100

133 92.6 48.4 145.2

119 68.2 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

60000

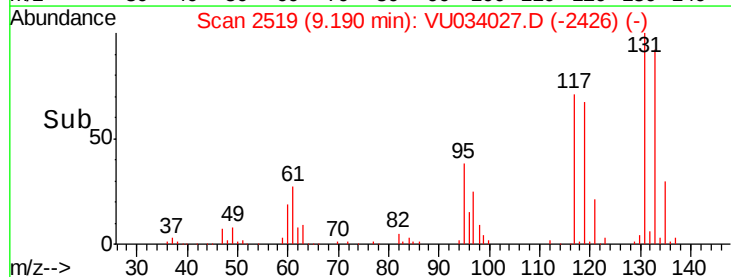
40000

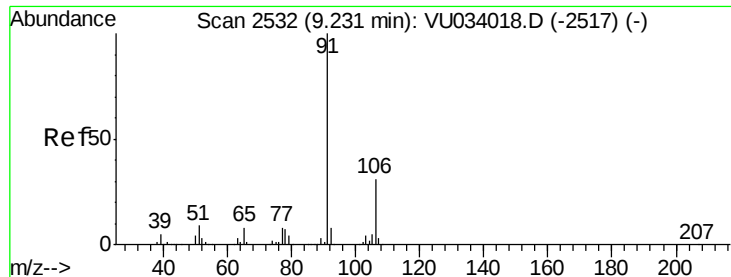
20000

0

Time-->

9.15 9.20 9.25





#67

Ethyl Benzene

Concen: 19.741 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

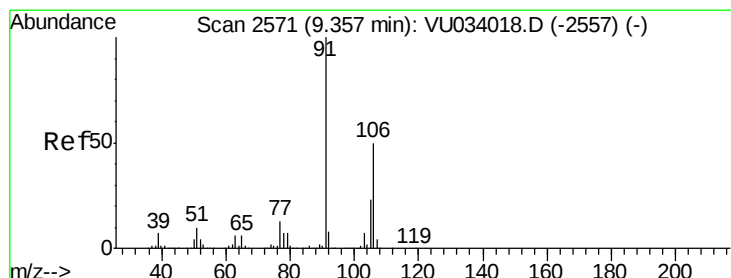
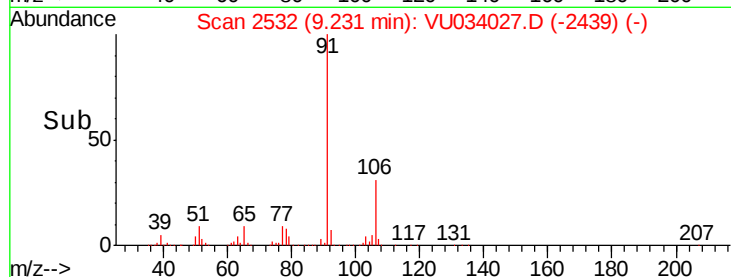
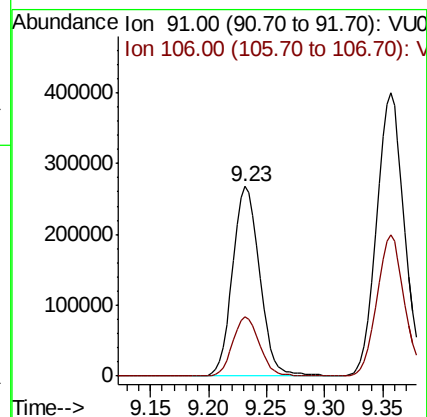
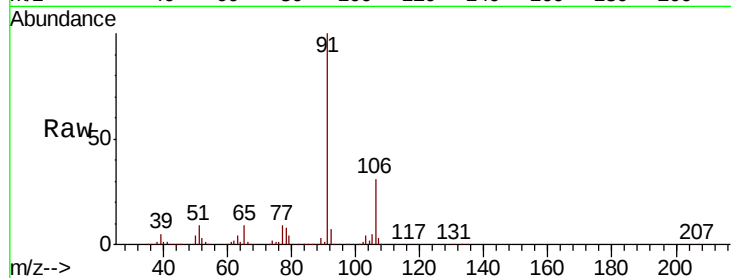
VU0829WBS01

Tgt Ion: 91 Resp: 434682

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3



#68

m/p-Xylenes

Concen: 39.714 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034027.D

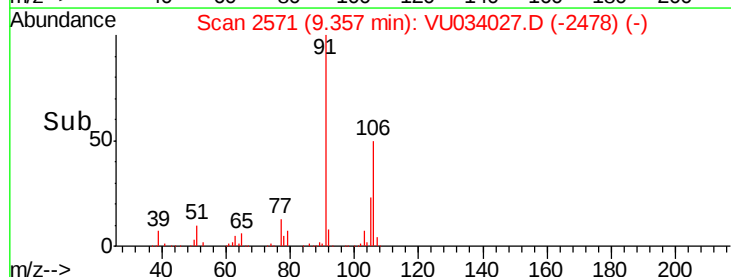
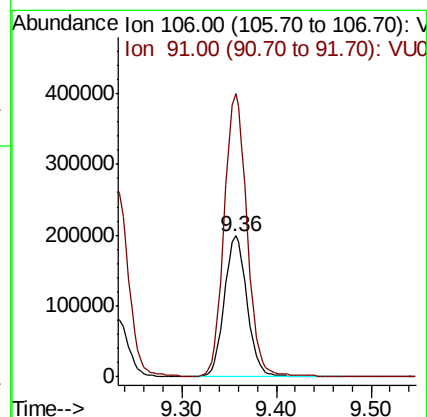
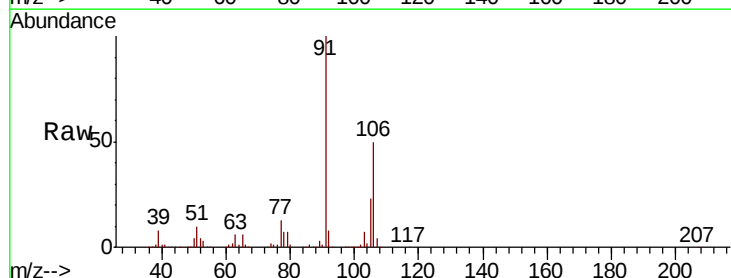
Acq: 28 Aug 2019 16:55

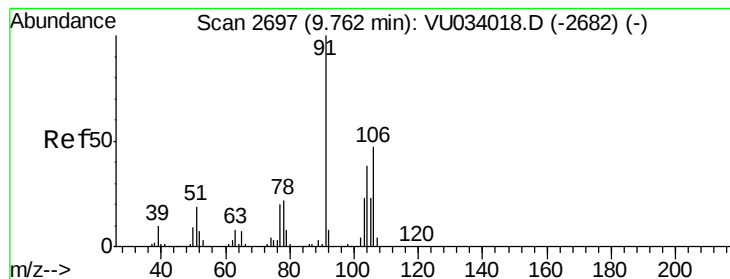
Tgt Ion: 106 Resp: 332504

Ion Ratio Lower Upper

106 100

91 201.7 161.6 242.4





#69

o-Xylene

Concen: 19.785 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

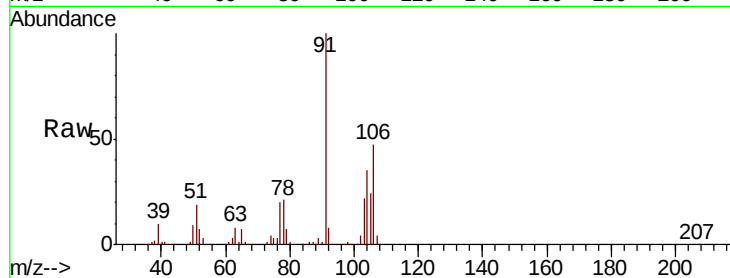
VU0829WBS01

Tgt Ion:106 Resp: 158922

Ion Ratio Lower Upper

106 100

91 211.5 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

250000

200000

150000

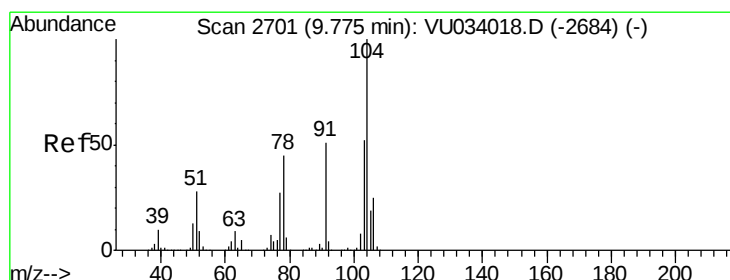
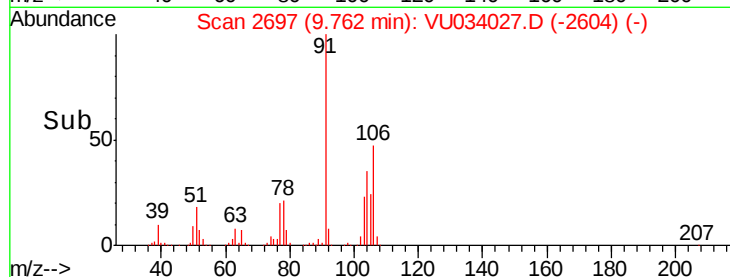
100000

50000

0

9.70 9.75 9.80 9.85

Time-->



#70

Styrene

Concen: 19.624 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

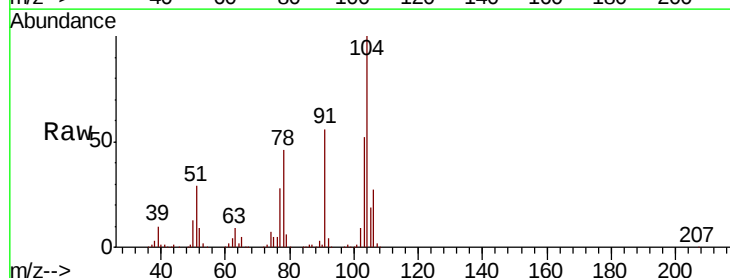
Tgt Ion:104 Resp: 270274

Ion Ratio Lower Upper

104 100

78 49.6 39.0 58.4

103 55.5 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

200000

150000

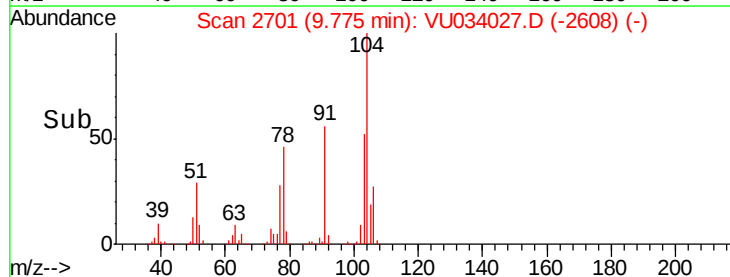
100000

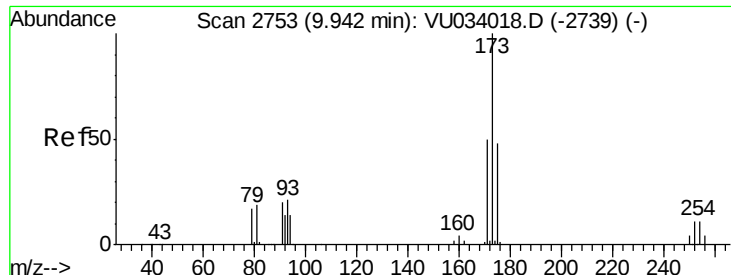
50000

0

9.70 9.75 9.80 9.90

Time-->





#71

Bromoform

Concen: 18.490 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

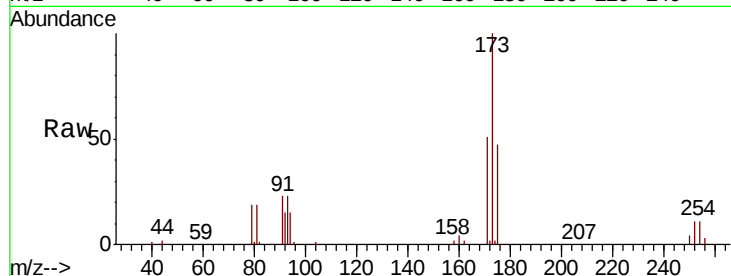
Tgt Ion:173 Resp: 75666

Ion Ratio Lower Upper

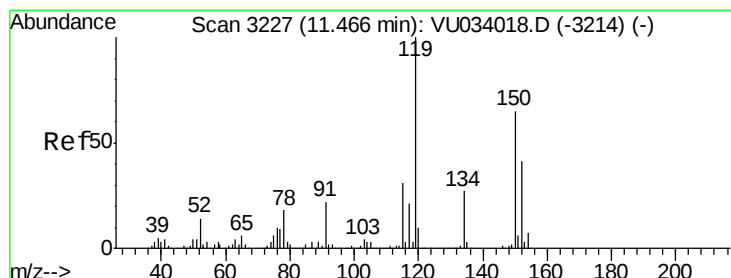
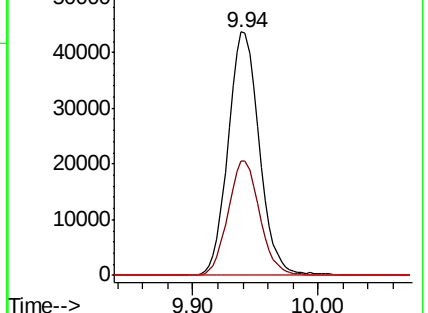
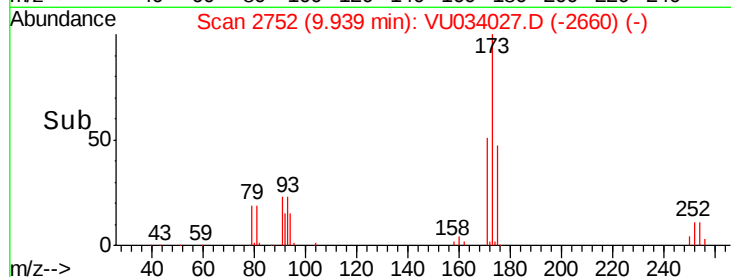
173 100

175 47.5 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: VU034027.D

Acq: 28 Aug 2019 16:55

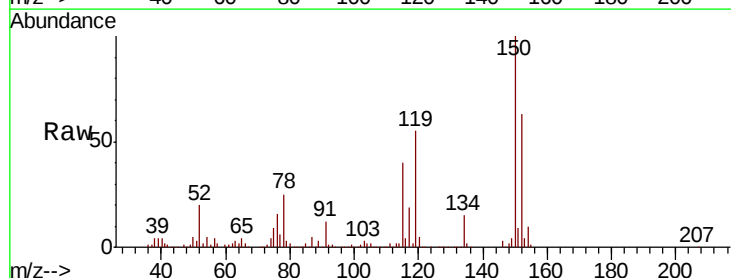
Tgt Ion:152 Resp: 328658

Ion Ratio Lower Upper

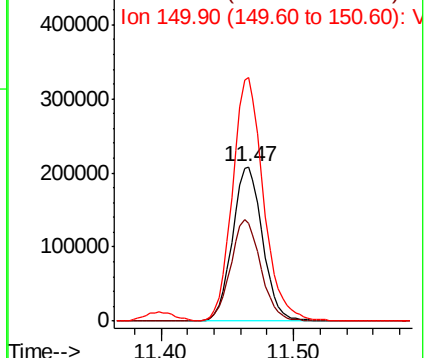
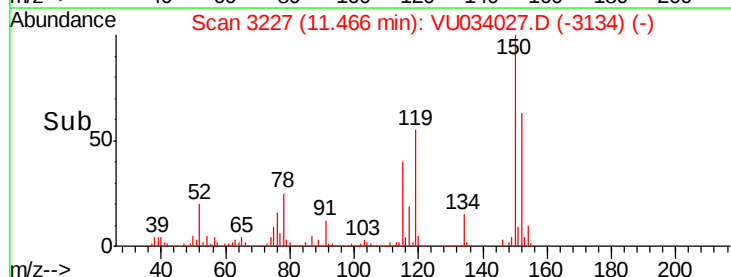
152 100

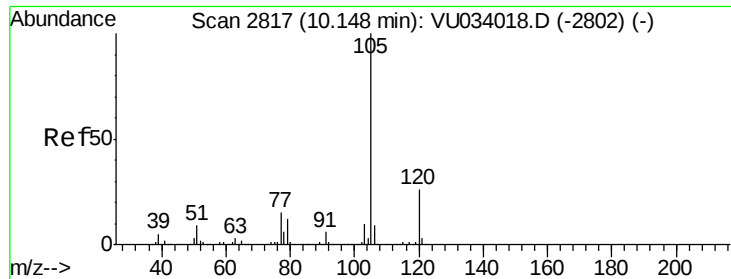
115 66.1 41.1 123.3

150 162.3 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: 19.502 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

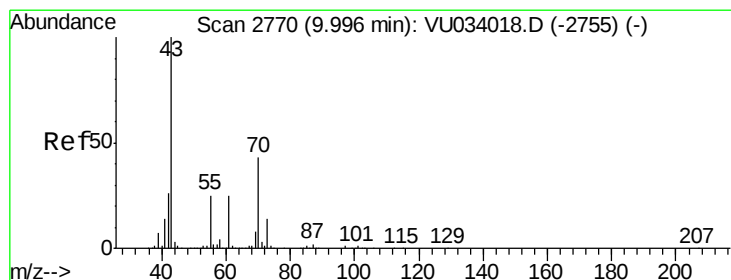
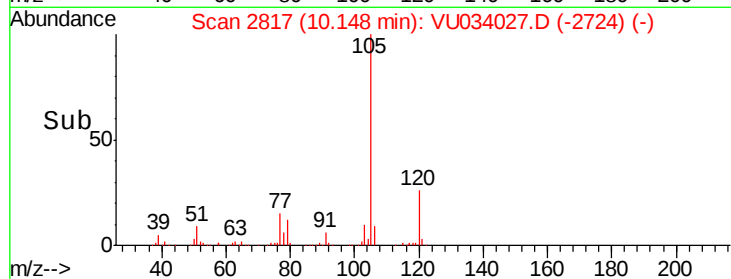
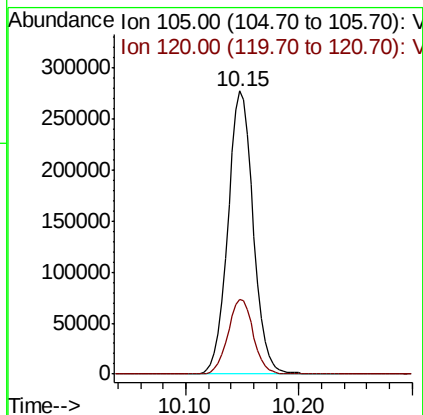
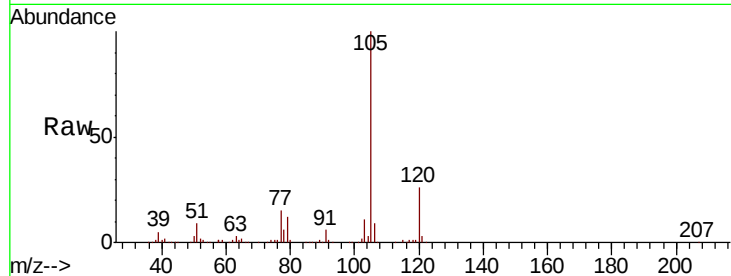
VU0829WBS01

Tgt Ion: 105 Resp: 430527

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 19.207 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Tgt Ion: 43 Resp: 178331

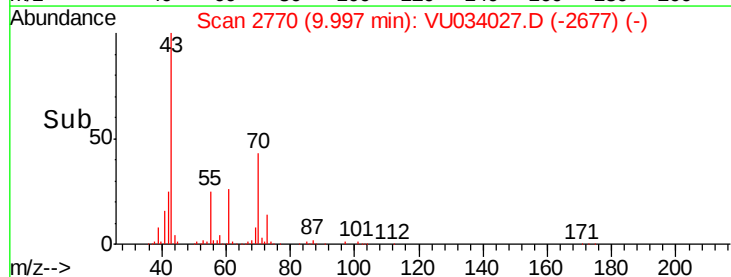
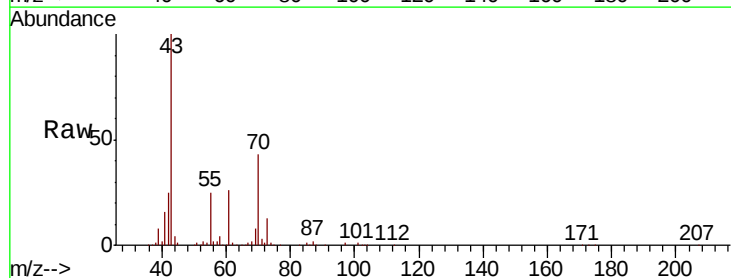
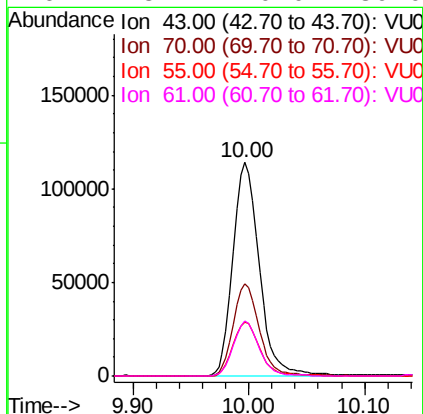
Ion Ratio Lower Upper

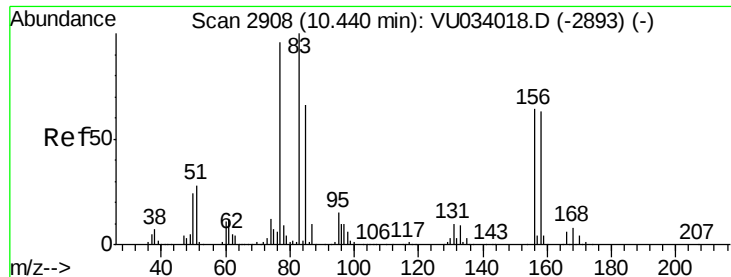
43 100

70 42.9 35.2 52.8

55 26.0 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.920 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

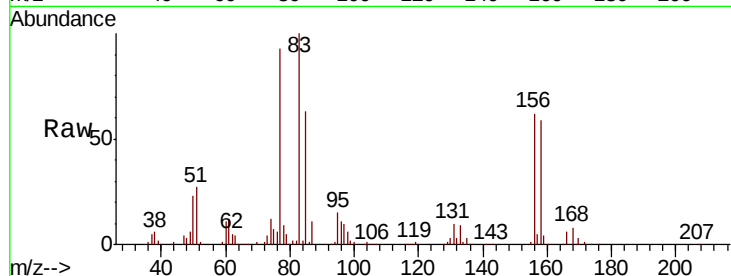
Tgt Ion: 83 Resp: 159866

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

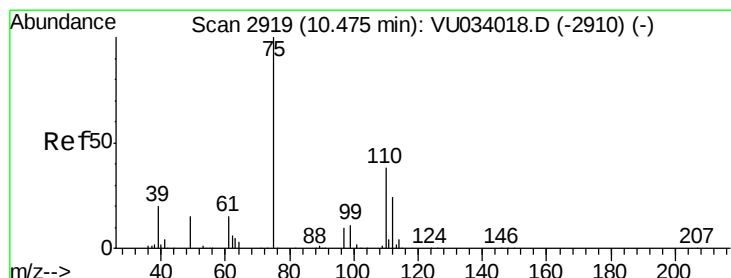
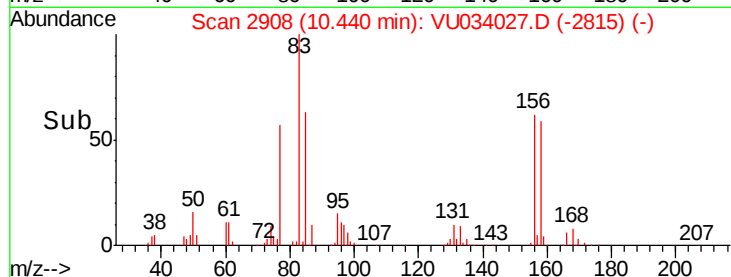
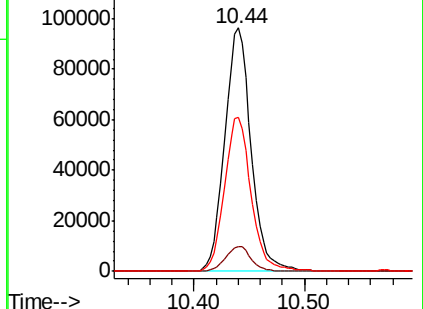
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034027.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU034027.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU034027.D (-2815) (-)



#76

1,2,3-Trichloropropane

Concen: 23.732 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034027.D

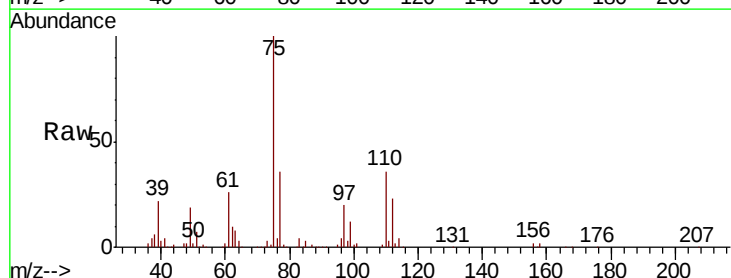
Acq: 28 Aug 2019 16:55

Tgt Ion: 75 Resp: 175794

Ion Ratio Lower Upper

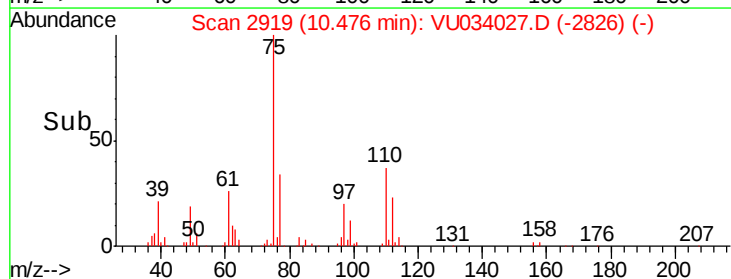
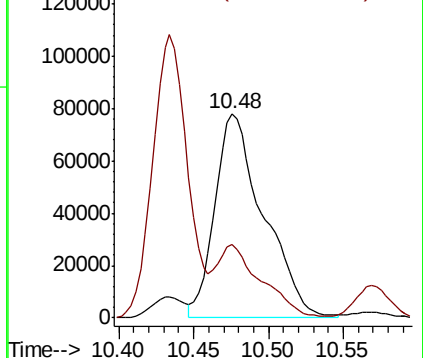
75 100

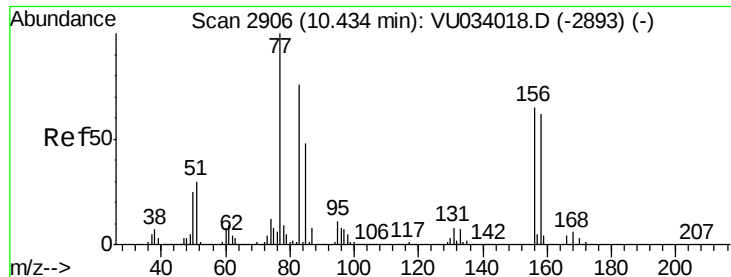
77 31.2 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034027.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034027.D (-2826) (-)





#77

Bromobenzene

Concen: 18.764 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

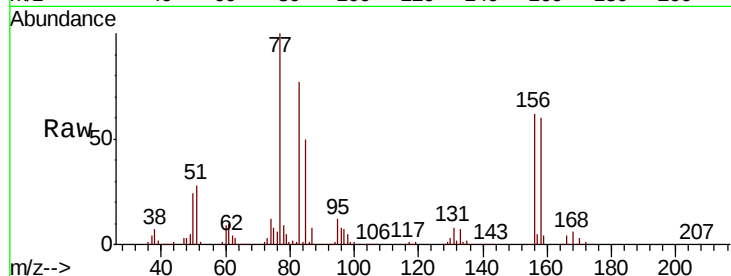
Tgt Ion:156 Resp: 111426

Ion Ratio Lower Upper

156 100

77 157.2 76.8 230.5

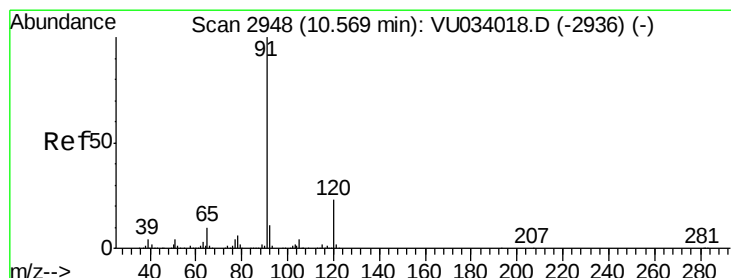
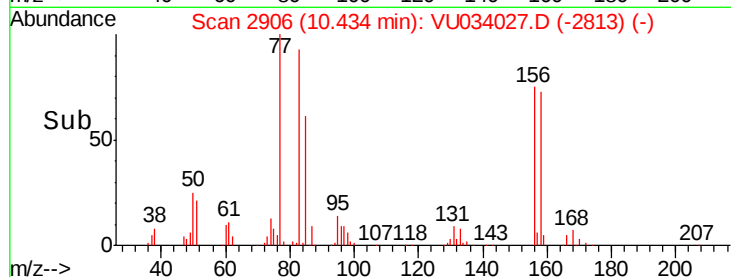
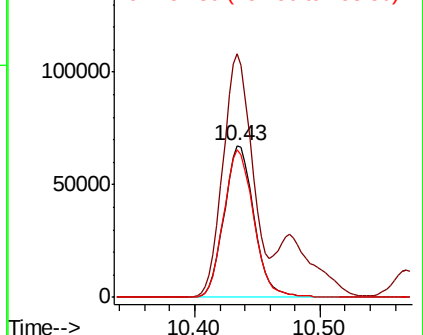
158 98.0 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.484 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034027.D

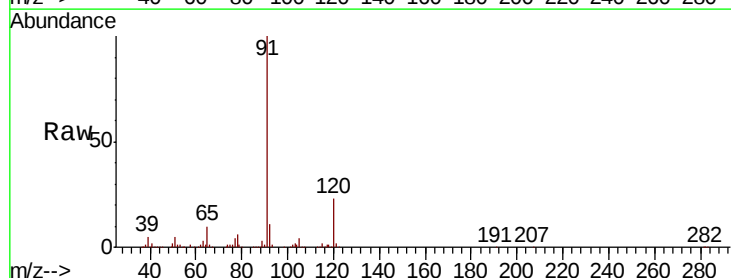
Acq: 28 Aug 2019 16:55

Tgt Ion: 91 Resp: 500907

Ion Ratio Lower Upper

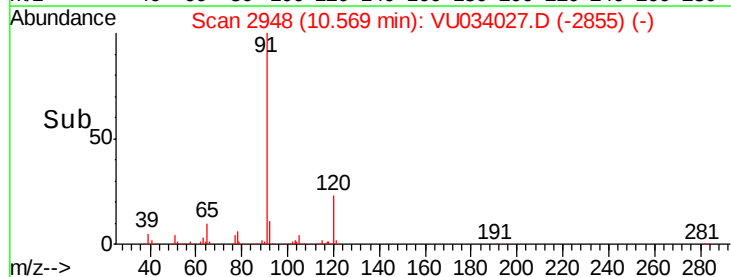
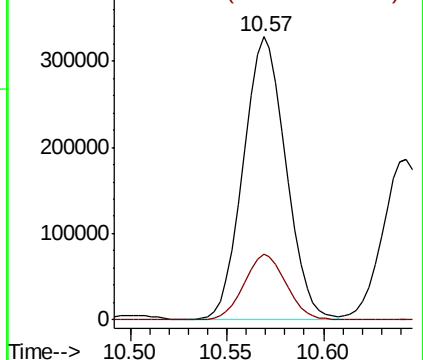
91 100

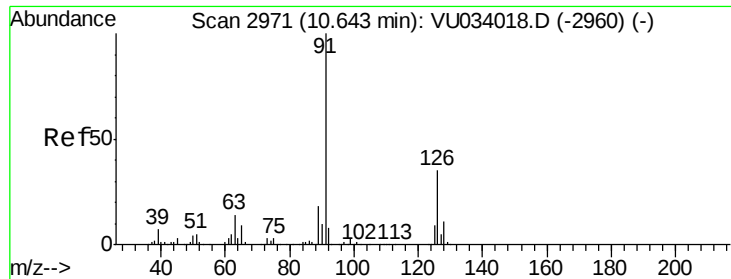
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.489 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

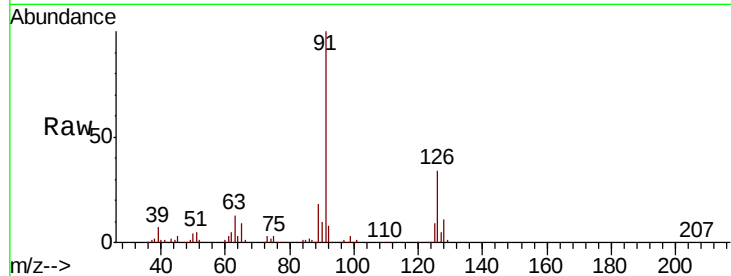
VU0829WBS01

Tgt Ion: 91 Resp: 300530

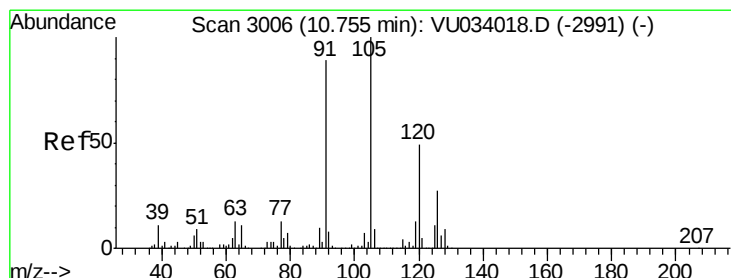
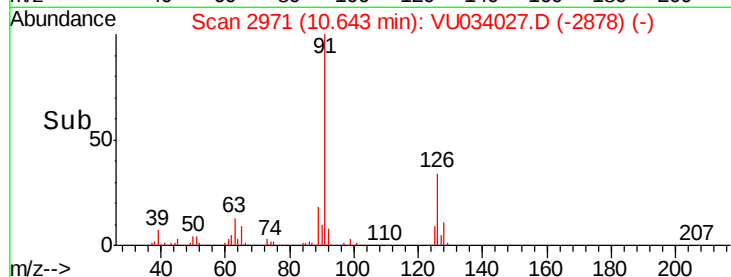
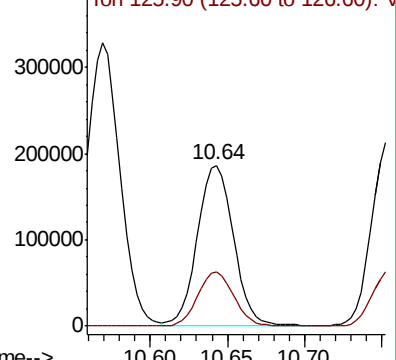
Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VU034027.D (-2978) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.863 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034027.D

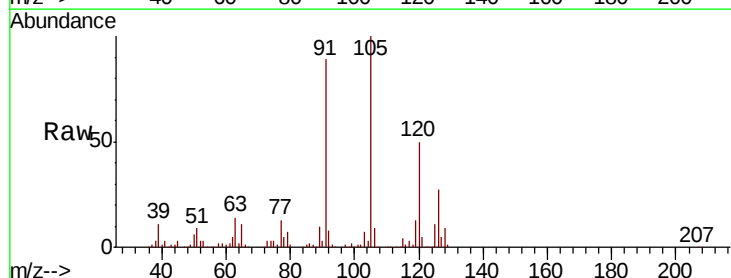
Acq: 28 Aug 2019 16:55

Tgt Ion: 105 Resp: 371645

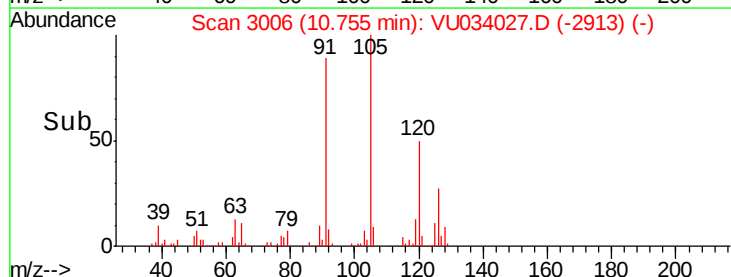
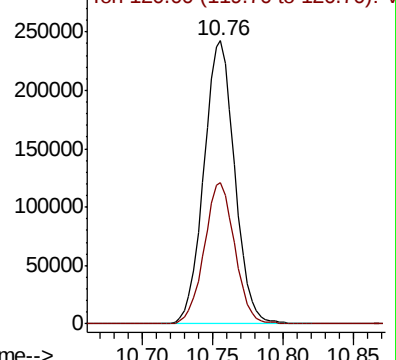
Ion Ratio Lower Upper

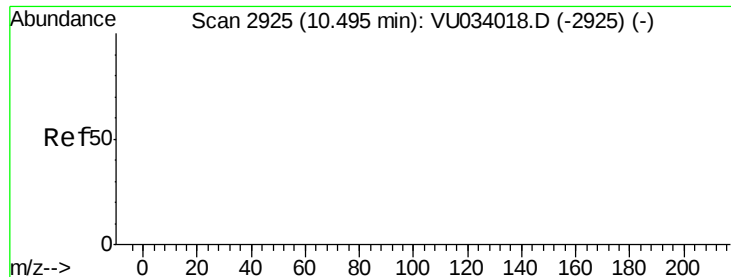
105 100

120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034027.D (-2913) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 79.912 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

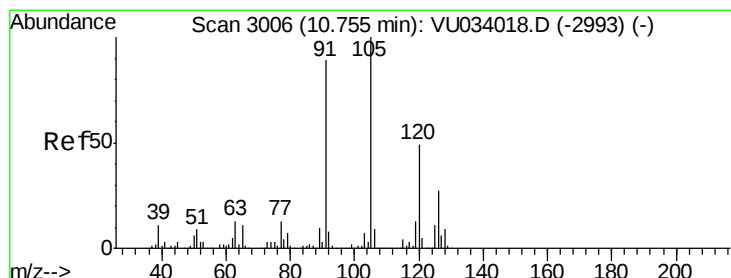
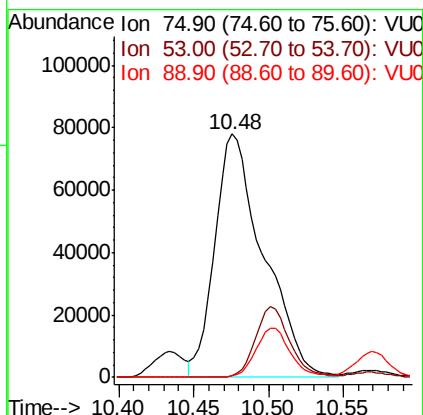
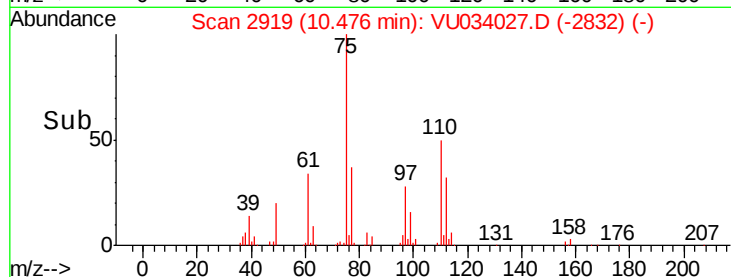
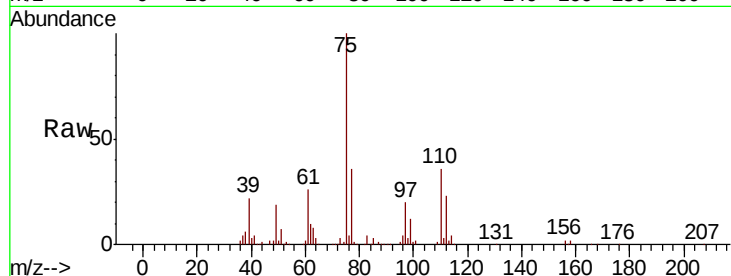
Tgt Ion: 75 Resp: 175794

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.264 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034027.D

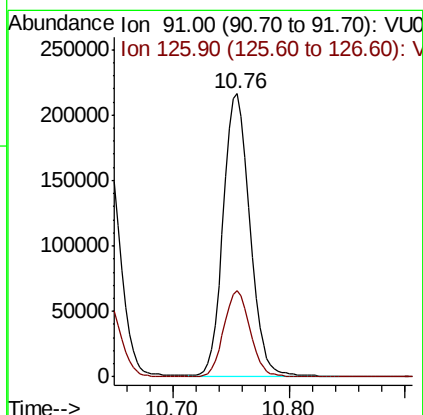
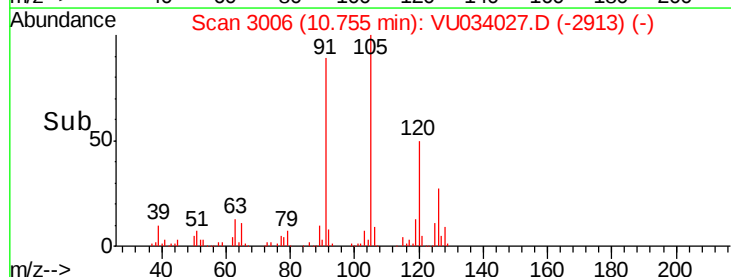
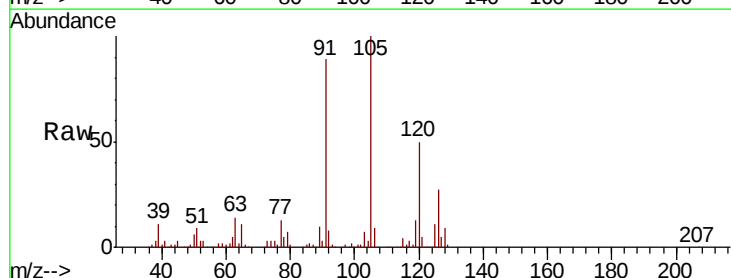
Acq: 28 Aug 2019 16:55

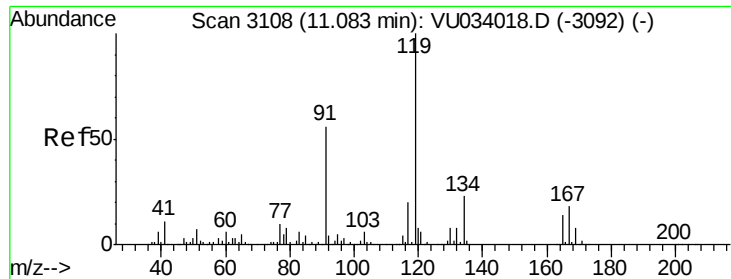
Tgt Ion: 91 Resp: 341650

Ion Ratio Lower Upper

91 100

126 29.9 15.0 45.1

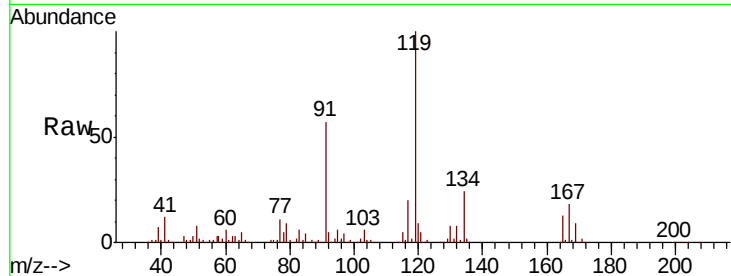




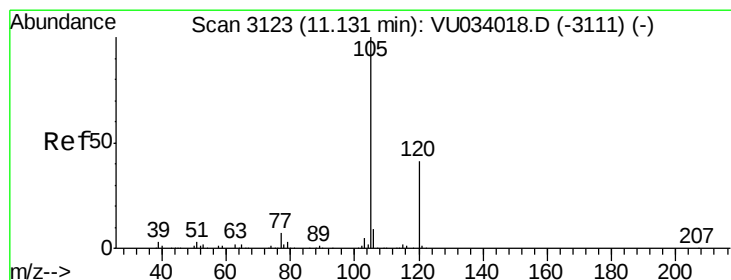
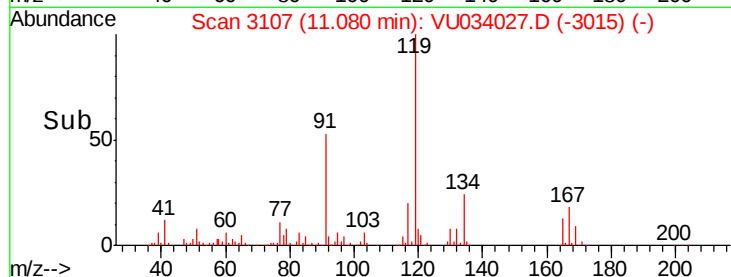
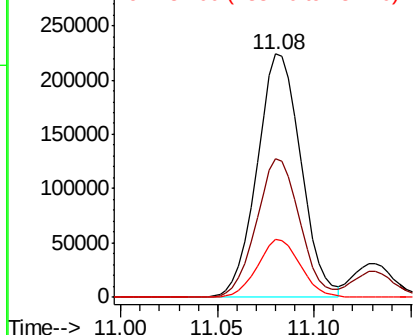
#83
 tert-Butylbenzene
 Concen: 19.184 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tgt Ion:119 Resp: 353353
 Ion Ratio Lower Upper
 119 100
 91 56.0 27.9 83.6
 134 23.3 11.4 34.2

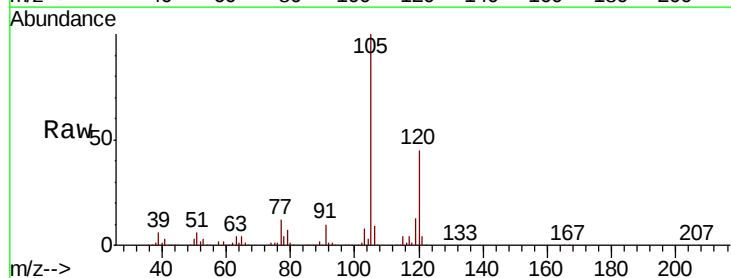


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

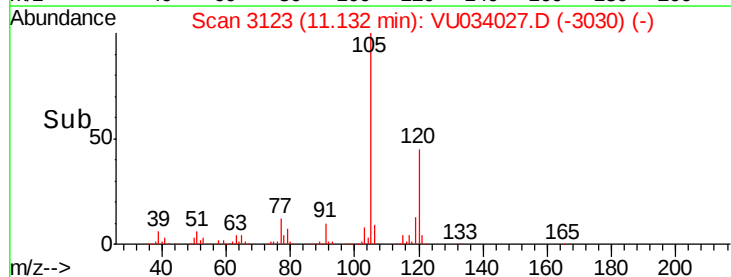
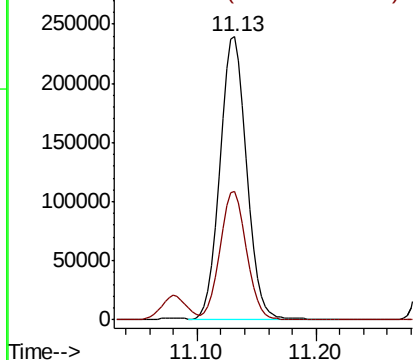


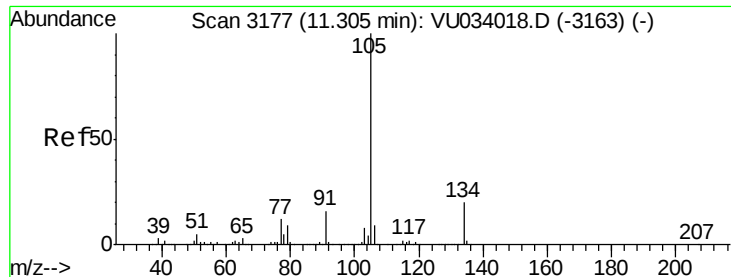
#84
 1,2,4-Trimethylbenzene
 Concen: 19.951 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion:105 Resp: 370672
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 19.551 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

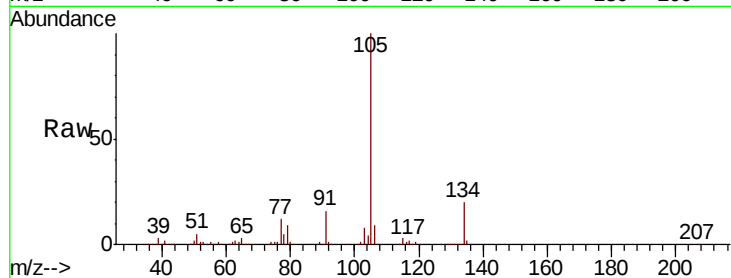
VU0829WBS01

Tgt Ion:105 Resp: 431613

Ion Ratio Lower Upper

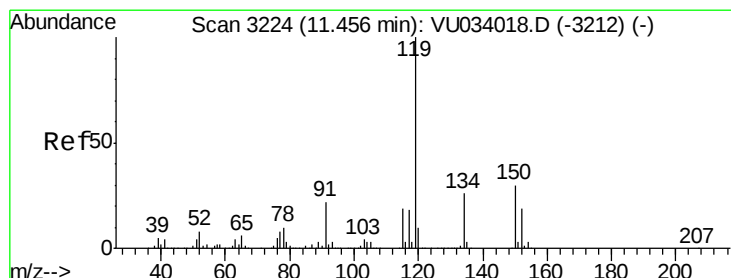
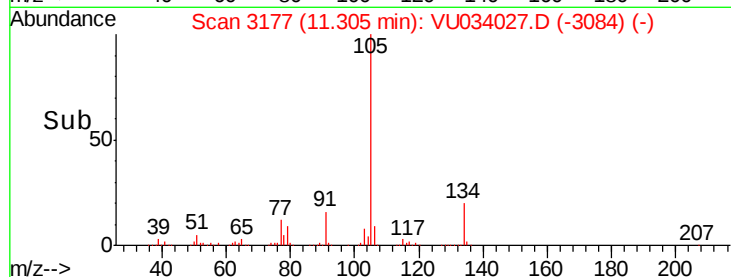
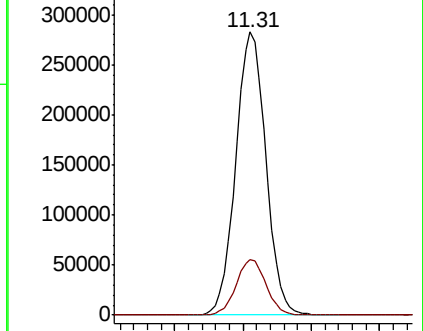
105 100

134 19.6 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.757 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

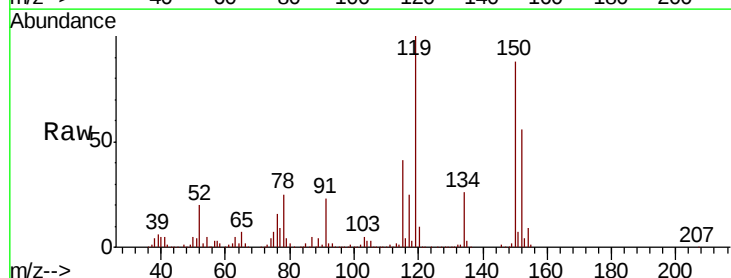
Tgt Ion:119 Resp: 394473

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

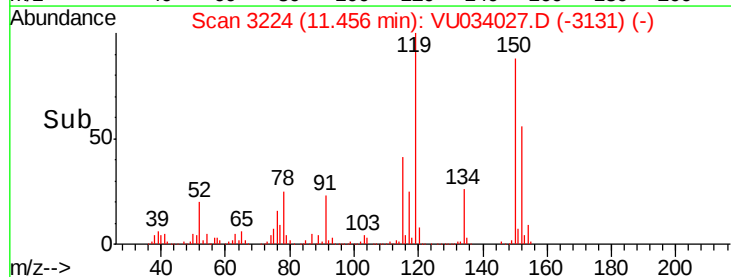
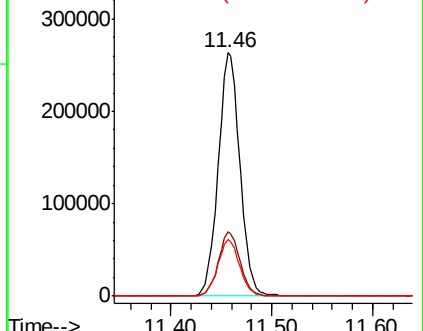
91 23.1 11.2 33.6

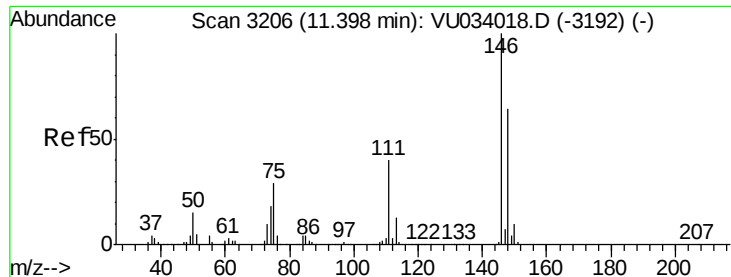


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

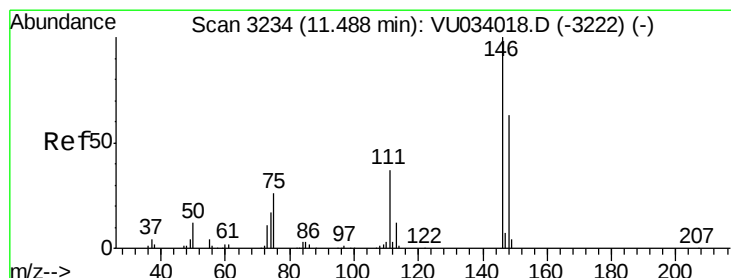
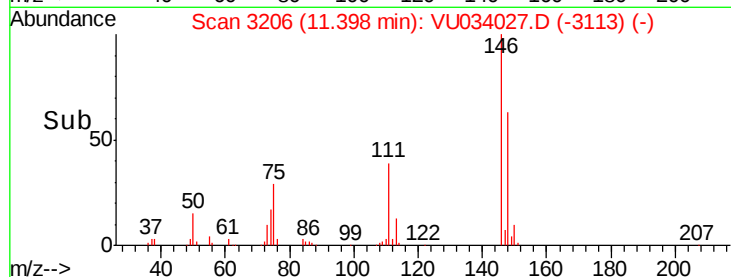
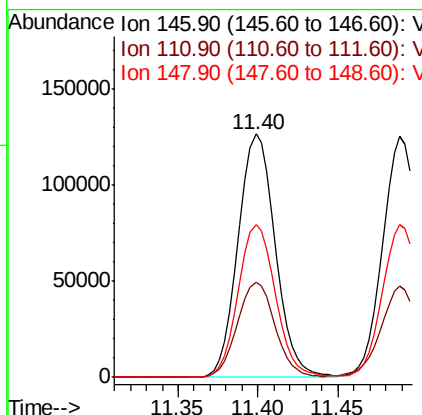
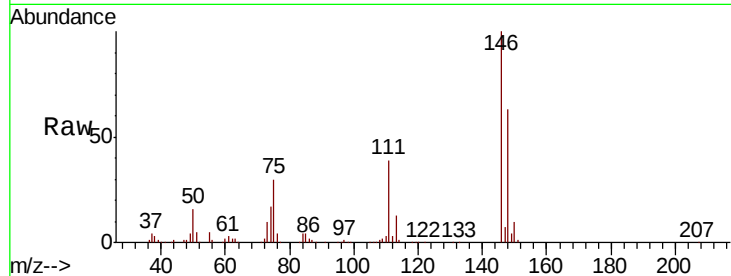




#87
 1,3-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

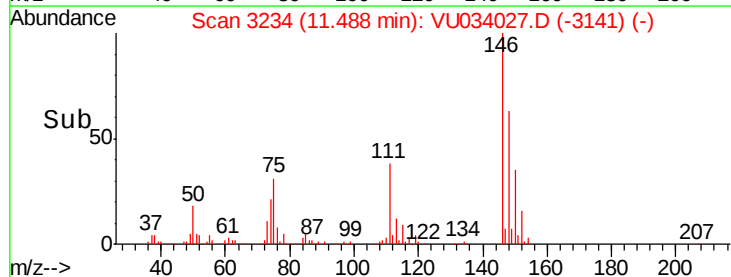
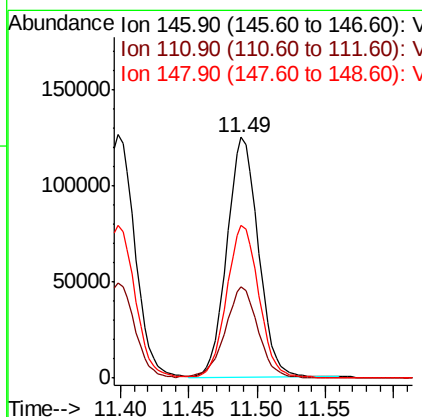
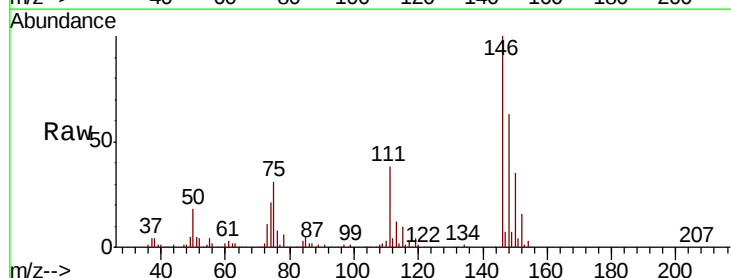
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

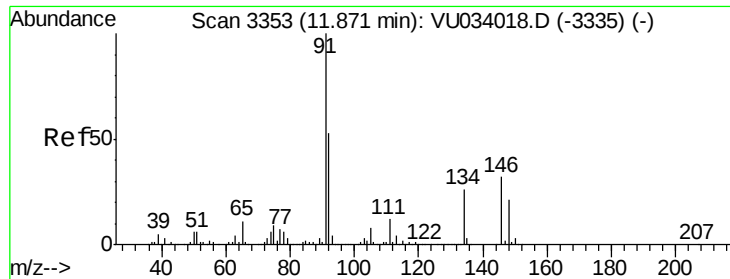
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.2	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.792 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	65.2	31.9	95.9

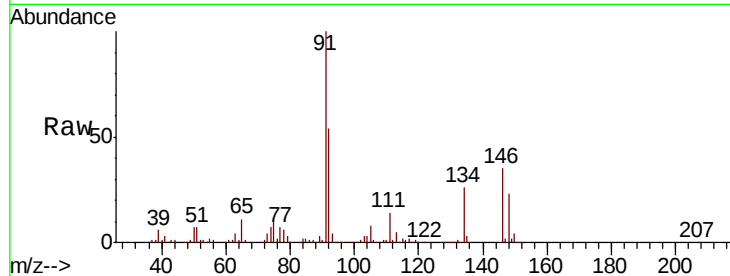




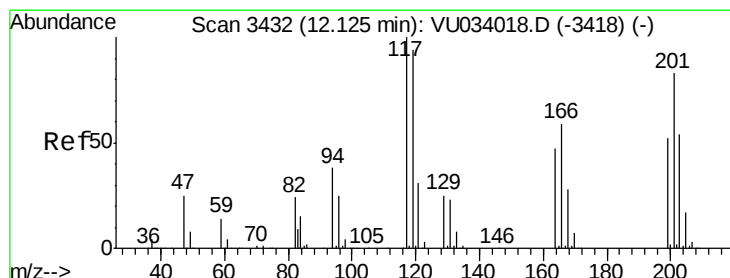
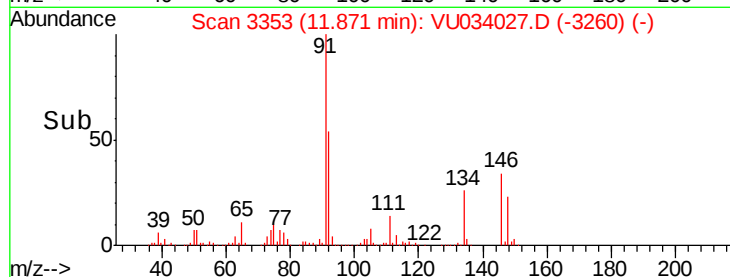
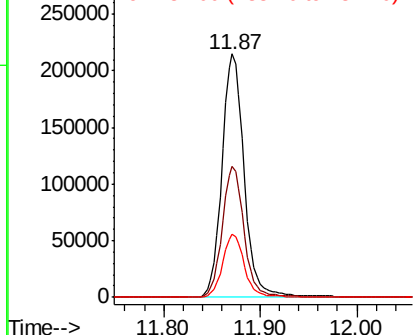
#89
n-Butylbenzene
Concen: 19.502 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tgt Ion: 91 Resp: 343299
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 25.4 12.9 38.7

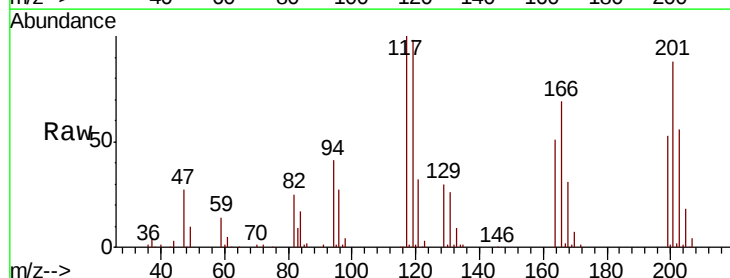


Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-3335) (-)
Ion 92.00 (91.70 to 92.70): VU034018.D (-3335) (-)
Ion 134.00 (133.70 to 134.70): VU034018.D (-3335) (-)

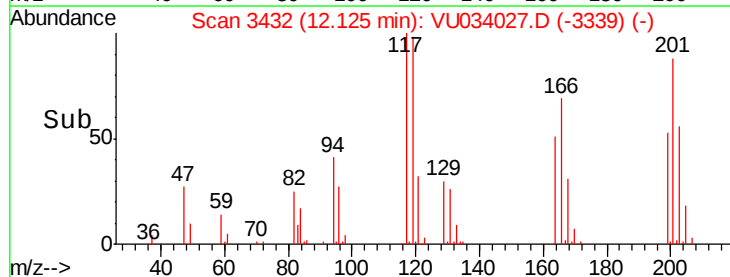
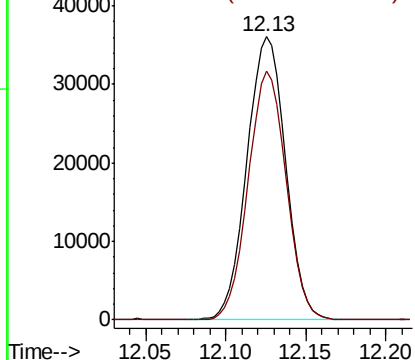


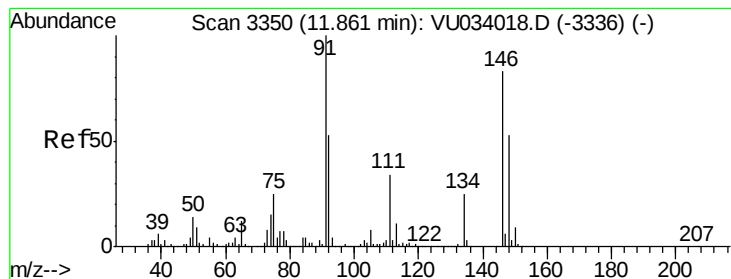
#90
Hexachloroethane
Concen: 17.268 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion: 117 Resp: 59610
Ion Ratio Lower Upper
117 100
201 86.3 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU034018.D (-3418) (-)
Ion 200.70 (200.40 to 201.40): VU034018.D (-3418) (-)





#91

1,2-Dichlorobenzene

Concen: 19.239 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VU0829WBS01

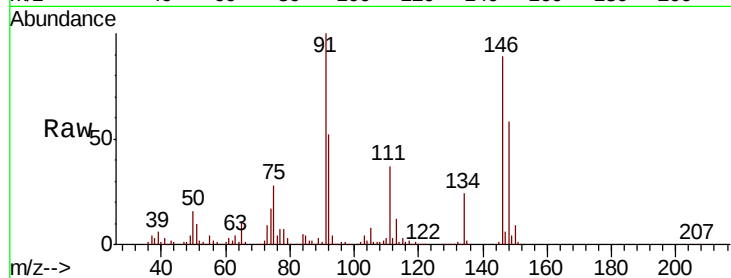
Tgt Ion:146 Resp: 193758

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.2

148 64.8 32.3 96.8

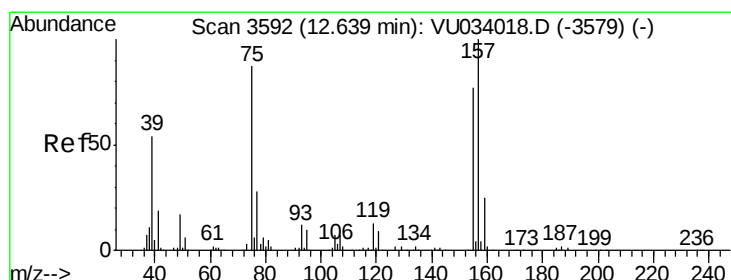
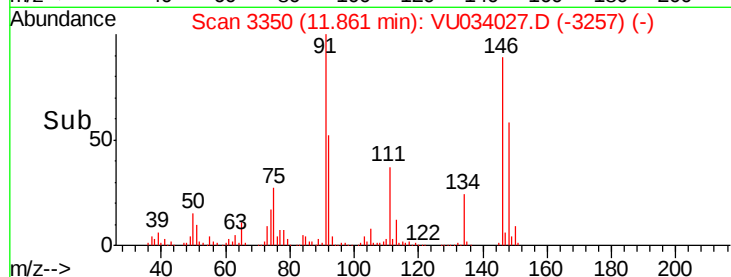
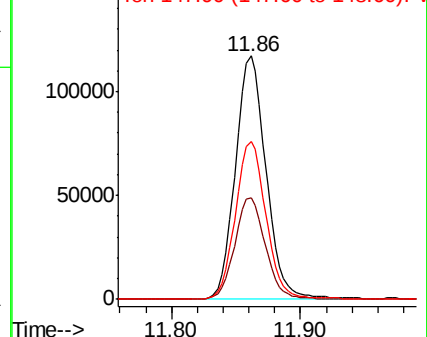


Abundance

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: 18.993 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034027.D

Acq: 28 Aug 2019 16:55

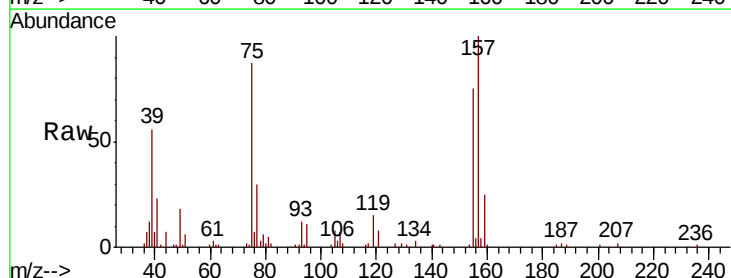
Tgt Ion: 75 Resp: 31971

Ion Ratio Lower Upper

75 100

155 85.7 43.5 130.7

157 110.0 56.9 170.6

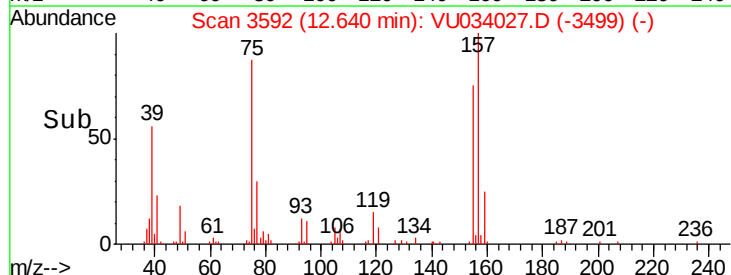
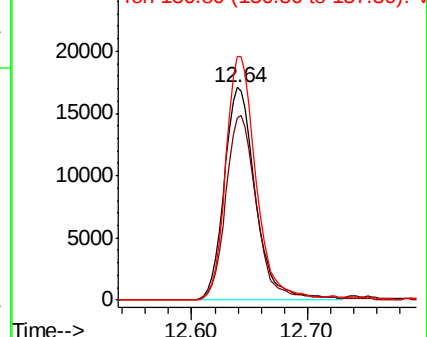


Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

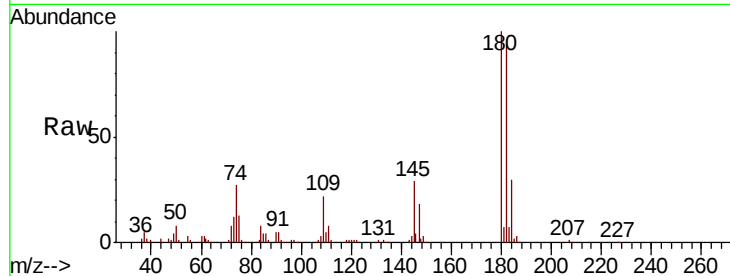




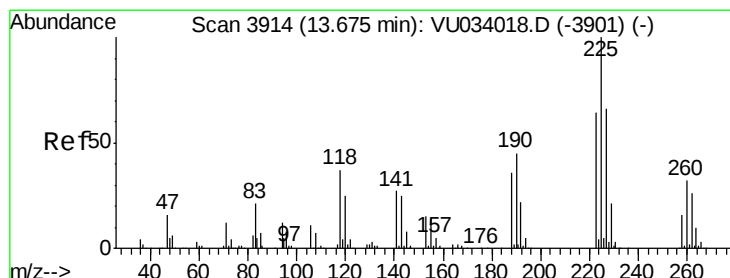
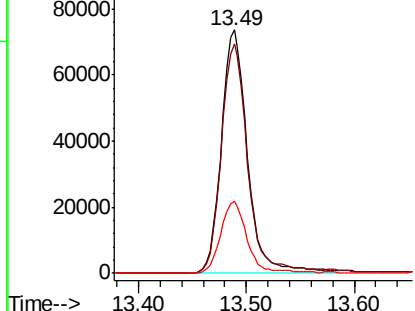
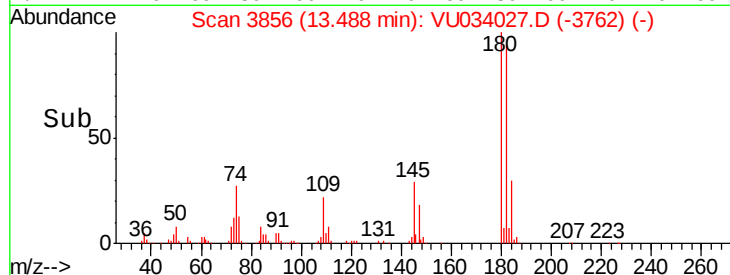
#93
 1,2,4-Trichlorobenzene
 Concen: 18.072 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Tgt Ion:180 Resp: 124243
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.2
 145 28.9 14.1 42.3

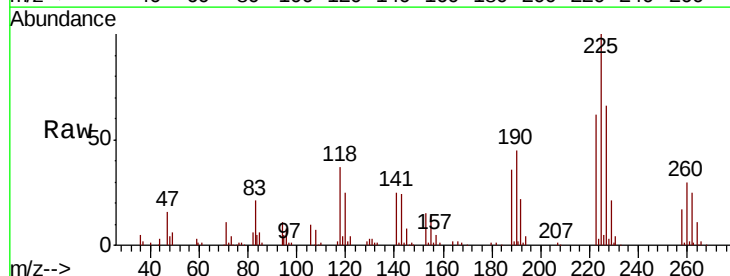


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

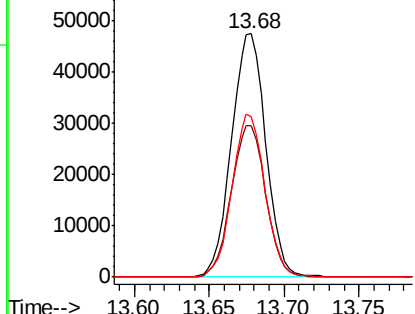
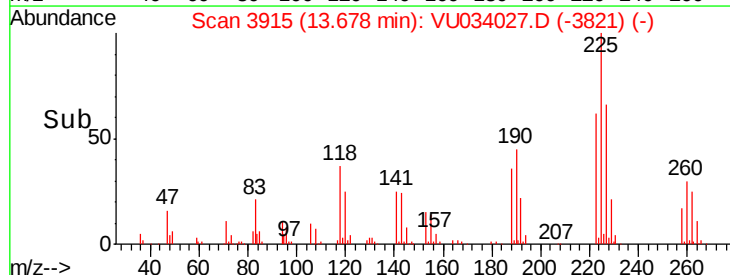


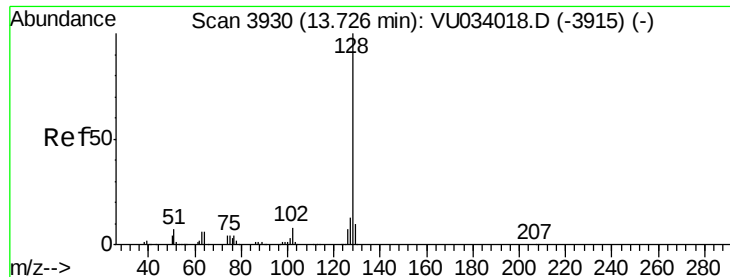
#94
 Hexachlorobutadiene
 Concen: 19.259 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034027.D
 Acq: 28 Aug 2019 16:55

Tgt Ion:225 Resp: 75873
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.8 95.3
 227 64.3 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

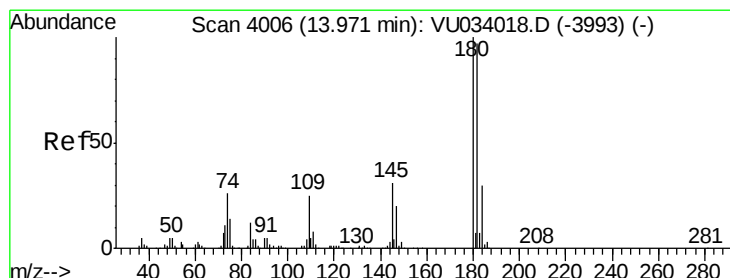
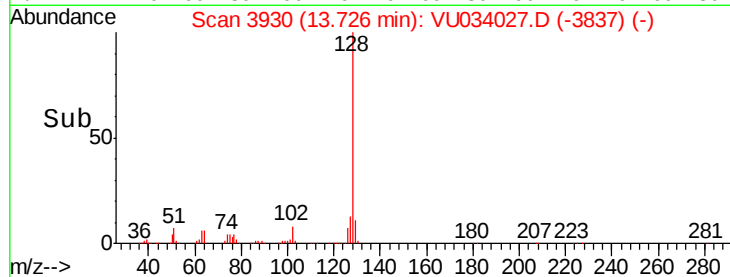
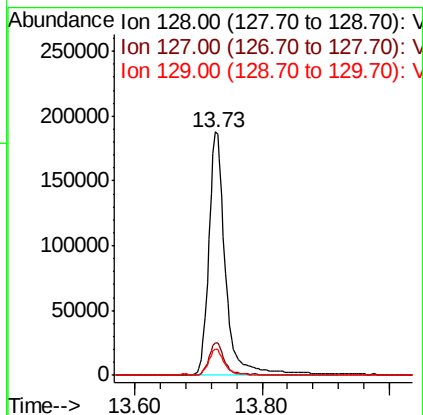
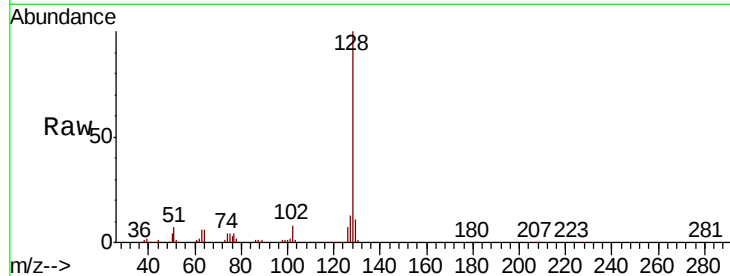




#95
Naphthalene
Concen: 17.901 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VU0829WBS01

Tgt Ion:128 Resp: 342769
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 9.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.401 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034027.D
Acq: 28 Aug 2019 16:55

Tgt Ion:180 Resp: 125160
Ion Ratio Lower Upper
180 100
182 98.4 48.2 144.6
145 30.2 15.5 46.5

