

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029383.D
 Acq On : 08 Feb 2019 17:19
 Operator : JC/SP
 Sample : VU0208WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Manual Integrations
 APPROVED

MMDadoda

2/18/2019 12:15:50 PM

Quant Time: Feb 09 04:02:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	53538	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20762	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22644	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	35555	1.780	ug/l	97
3) Chloromethane	1.33	50	29742	1.629	ug/l	97
4) Vinyl Chloride	1.40	62	38233	1.786	ug/l	100
5) Bromomethane	1.63	94	27413	2.302	ug/l	95
6) Chloroethane	1.70	64	23517	1.881	ug/l	99
7) Trichlorofluoromethane	1.88	101	60754	2.033	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32979	2.090	ug/l	90
9) 1,1-Dichloroethene	2.28	96	31832	2.061	ug/l	67
10) Iodomethane	2.41	142	24219	1.316	ug/l #	77
11) Allyl Chloride	2.59	41	47219	1.823	ug/l	88
12) Acrylonitrile	2.94	53	13378	3.865	ug/l	96
13) Acetone	2.32	43	28472	8.534	ug/l #	81
14) Carbon Disulfide	2.48	76	103835	1.904	ug/l	97
15) Methylene Chloride	2.70	84	36375	1.942	ug/l #	80
16) trans-1,2-Dichloroethene	2.98	96	36118	2.091	ug/l #	75
17) 1,1-Dichloroethane	3.44	63	49508	1.809	ug/l	94
18) 2-Butanone	4.28	43	30018	8.051	ug/l	88
19) Cyclohexane	4.99	56	36654	1.444	ug/l #	84
20) Methylcyclohexane	6.41	83	50295	1.887	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	47017	1.856	ug/l #	91
22) cis-1,2-Dichloroethene	4.22	96	34300	2.108	ug/l	70
23) Diethyl Ether	2.10	59	22430	1.809	ug/l	88
24) tert-Butyl Alcohol	2.84	59	25923	20.113	ug/l	96
25) Methyl tert-Butyl Ether	3.00	73	84299	1.938	ug/l #	85
26) Bromochloromethane	4.55	128	14305	1.990	ug/l	69
27) Chloroform	4.67	83	51982	1.953	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	47048	1.907	ug/l	95
29) 1,1-Dichloropropene	5.13	75	40941	1.912	ug/l	92
30) Carbon Tetrachloride	5.13	117	42862	1.919	ug/l	97
31) Isopropyl Ether	3.58	45	72744	1.761	ug/l	88
32) Ethyl-t-butyl ether	4.07	59	74770	1.807	ug/l #	87
33) Tert-Amyl methyl ether	5.58	73	69740	1.864	ug/l	99
34) Propionitrile	4.34	54	9569	9.763	ug/l #	89
35) Benzene	5.39	78	112365	1.897	ug/l	98
36) 1,2-Dichloroethane	5.41	62	32541	1.817	ug/l #	87
37) Trichloroethene	6.18	130	33693	1.983	ug/l	91
38) 1,2-Dichloropropane	6.43	63	27594	1.791	ug/l	97
39) Methacrylonitrile	4.55	41	7126	1.420	ug/l #	81
40) Methyl acrylate	4.43	55	10984	1.450	ug/l #	84
41) Tetrahydrofuran	4.66	42	7307	2.890	ug/l #	69
42) 1-Chlorobutane	5.06	56	49678	1.731	ug/l	84

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Manual Integrations
 APPROVED

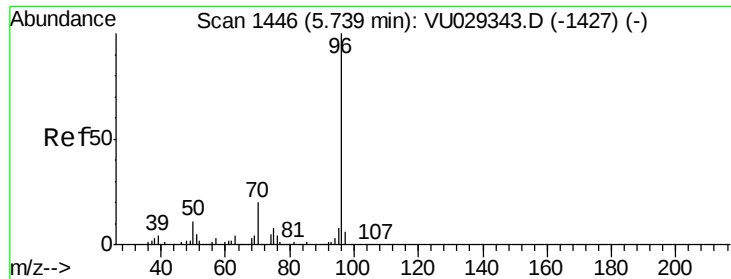
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2/18/2019 12:15:50 PM

Quant Time: Feb 09 04:02:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15173	1.848	ug/l	93
44) Bromodichloromethane	6.76	83	38682	1.849	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	78150	8.120	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.51	75	16235m	3.462	ug/l	
47) Methyl methacrylate	6.63	69	26860	3.718	ug/l #	70
48) Ethyl methacrylate	8.02	69	26996	1.742	ug/l	77
49) Toluene	7.63	92	72408	1.911	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	36230	1.767	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	43394	1.781	ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	21868	2.012	ug/l	93
53) 1,3-Dichloropropane	8.24	76	35597	1.864	ug/l	100
54) 2-Hexanone	8.37	43	54262	8.043	ug/l	86
55) Dibromochloromethane	8.48	129	29304	1.897	ug/l	99
56) 1,2-Dibromoethane	8.59	107	21332	1.913	ug/l	100
58) Tetrachloroethene	8.23	164	34028	2.152	ug/l	90
59) Chlorobenzene	9.12	112	84591	1.981	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	31206	1.978	ug/l	98
61) Pentachloroethane	11.10	117	23133	1.892	ug/l	88
62) Hexachloroethane	12.14	117	24097	1.806	ug/l	97
63) Ethyl Benzene	9.25	91	141636	1.910	ug/l	96
64) m/p-Xylenes	9.37	106	113475	3.938	ug/l	86
65) o-Xylene	9.78	106	55859	1.975	ug/l	85
66) Styrene	9.79	104	91340	1.937	ug/l	92
67) Bromoform	9.95	173	18179	1.891	ug/l	99
69) Isopropylbenzene	10.16	105	146748	1.942	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	26372	1.893	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	17331m	1.812	ug/l	
72) Bromobenzene	10.45	156	37103	2.026	ug/l	83
73) n-propylbenzene	10.59	120	42871	2.037	ug/l	77
74) 2-Chlorotoluene	10.66	126	36768	2.052	ug/l	78
75) 1,3,5-Trimethylbenzene	10.77	105	123909	1.902	ug/l	95
76) 4-Chlorotoluene	10.77	126	38061	2.046	ug/l	71
77) tert-Butylbenzene	11.10	119	127739	1.984	ug/l	92
78) 1,2,4-Trimethylbenzene	11.14	105	124281	1.884	ug/l	94
79) sec-Butylbenzene	11.32	105	163369	1.939	ug/l	95
80) Nitrobenzene	12.86	77	2968	4.782	ug/l #	92
81) p-Isopropyltoluene	11.47	119	140717	1.970	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	74474	2.073	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	72665	2.030	ug/l	96
84) n-Butylbenzene	11.89	91	123454	1.884	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	68089	2.004	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4202	1.616	ug/l #	54
87) 1,2,4-Trichlorobenzene	13.50	180	49443	2.072	ug/l	97
88) Hexachlorobutadiene	13.69	225	30342	2.195	ug/l	98
89) Naphthalene	13.74	128	87152	2.153	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	52203	2.394	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029383.D

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Instrument :

MSVOA_U

ClientSampleId :

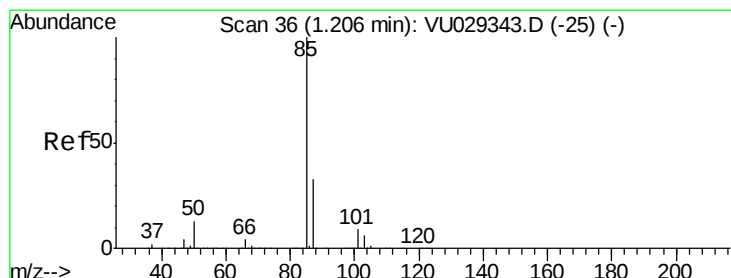
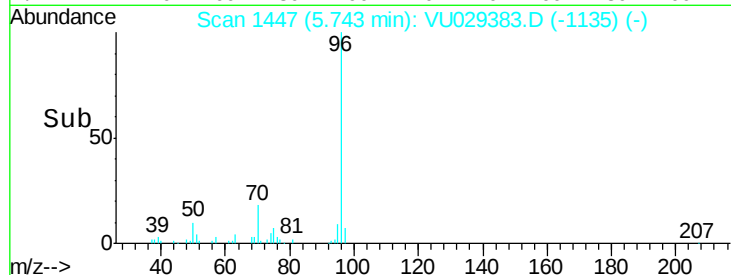
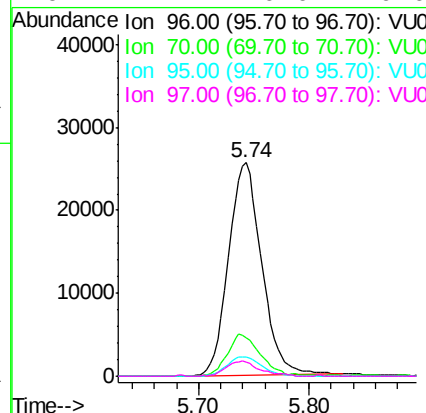
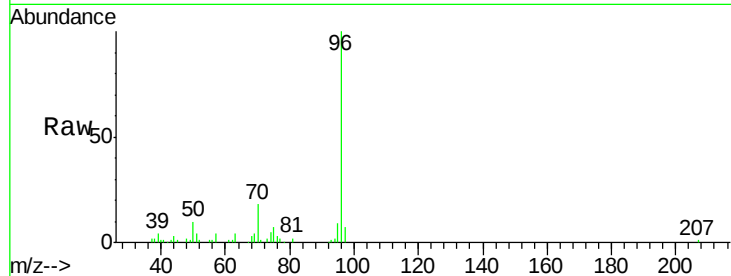
VU0208WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		53538		
70	19.7	16.2	24.2		
95	9.6	7.4	11.2		
97	7.2	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 1.780 ug/l

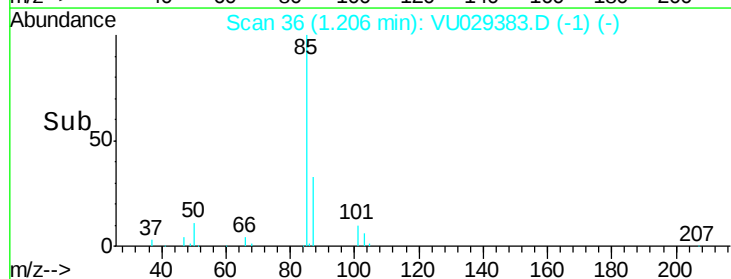
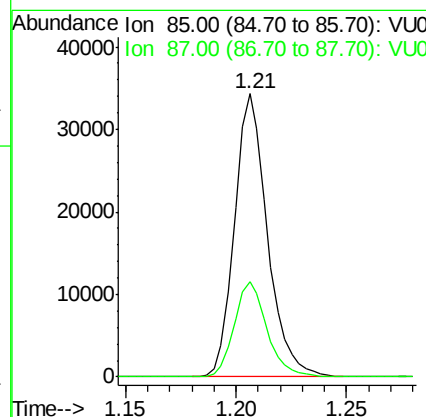
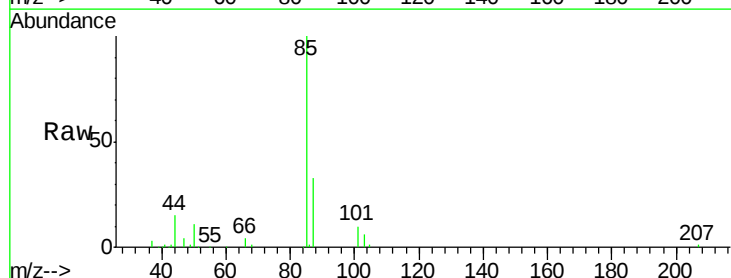
RT: 1.21 min Scan# 36

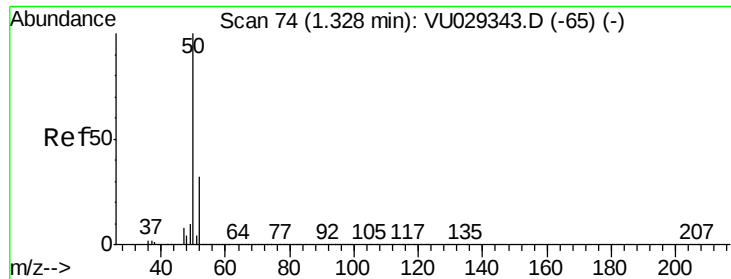
Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		35555		
87	33.5	15.9	47.6		





#3

Chloromethane

Concen: 1.629 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 50 Resp: 29742

Ion Ratio Lower Upper

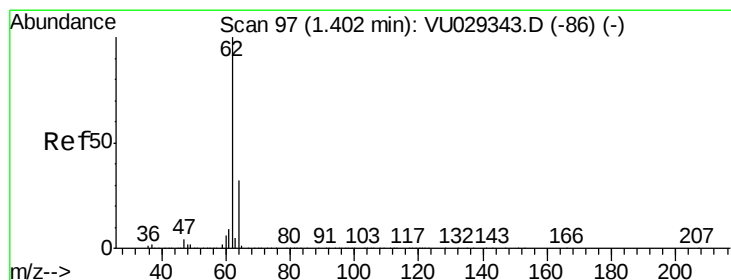
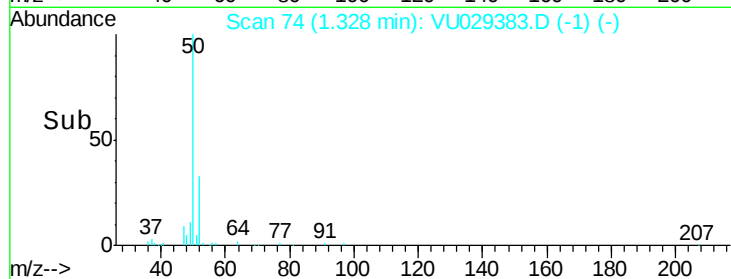
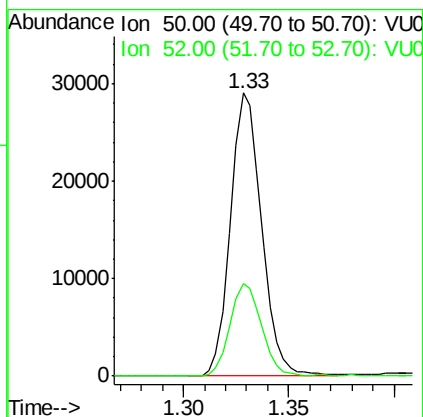
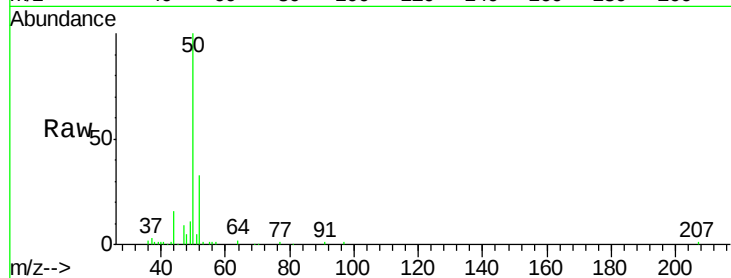
50 100

52 32.6 27.3 40.9

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#4

Vinyl Chloride

Concen: 1.786 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029383.D

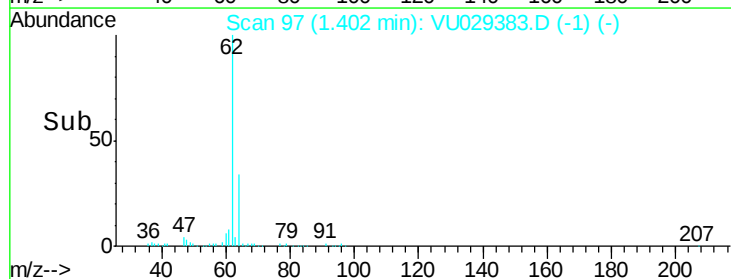
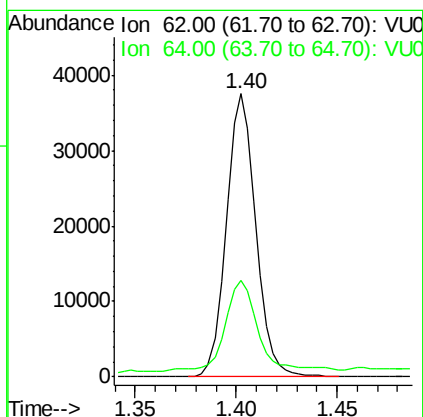
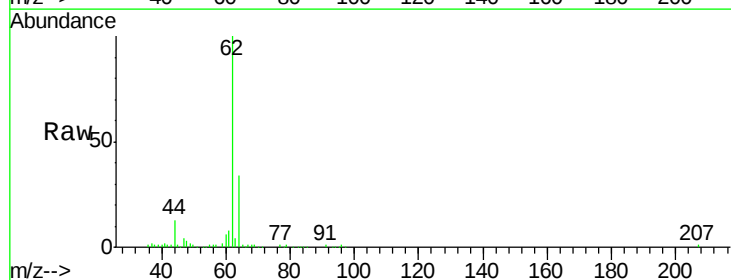
Acq: 08 Feb 2019 17:19

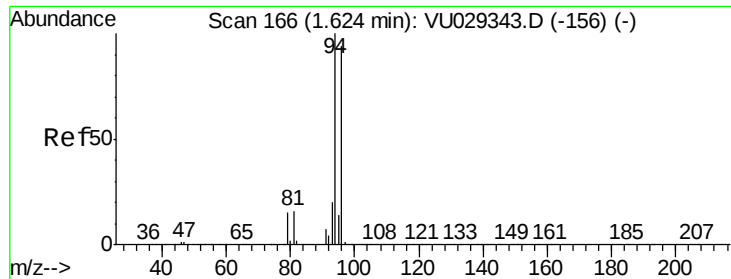
Tgt Ion: 62 Resp: 38233

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 2.302 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 94 Resp: 27413

Ion Ratio Lower Upper

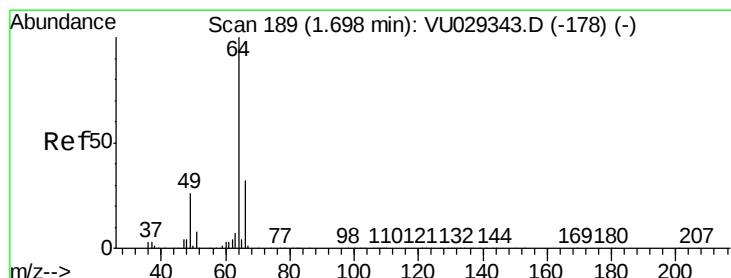
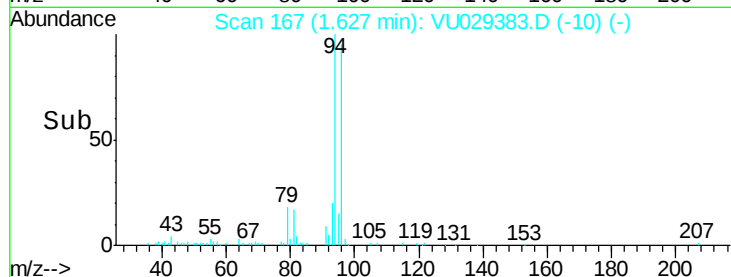
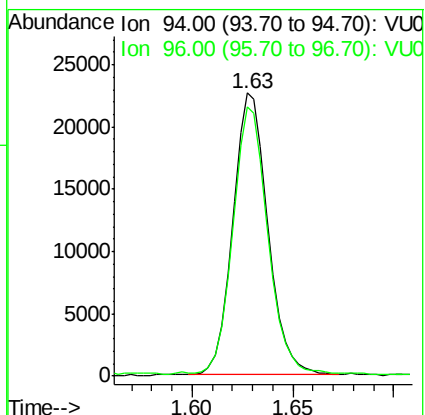
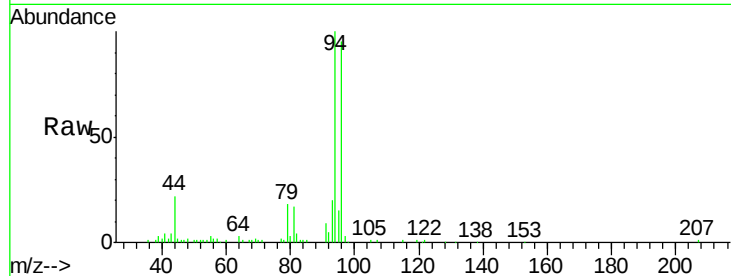
94 100

96 94.6 71.7 107.5

Manual Integrations
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#6

Chloroethane

Concen: 1.881 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029383.D

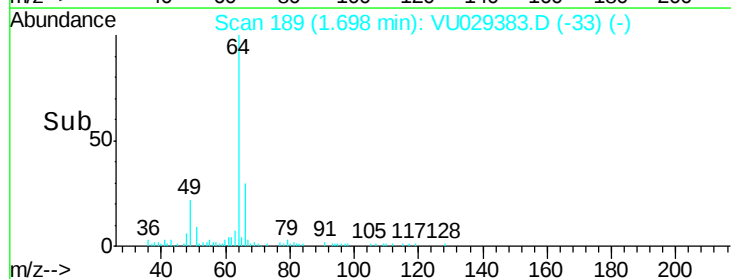
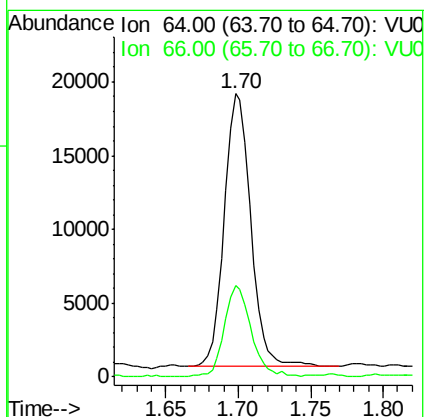
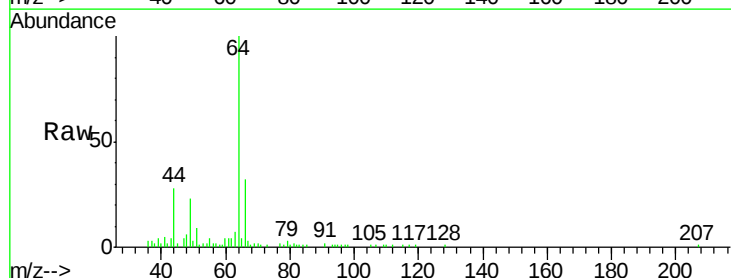
Acq: 08 Feb 2019 17:19

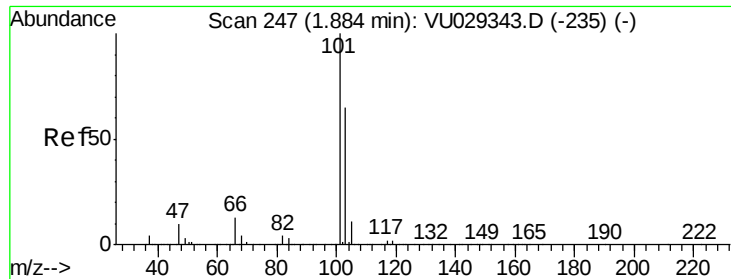
Tgt Ion: 64 Resp: 23517

Ion Ratio Lower Upper

64 100

66 33.4 26.3 39.5





#7

Trichlorofluoromethane
 Concen: 2.033 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

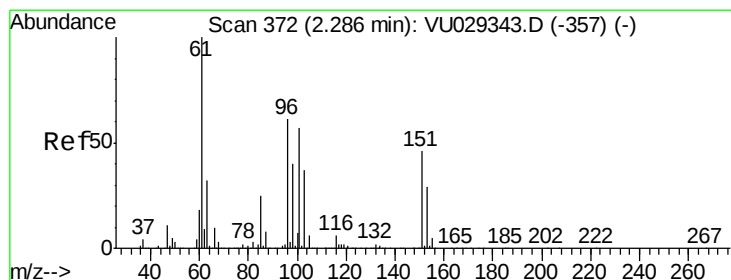
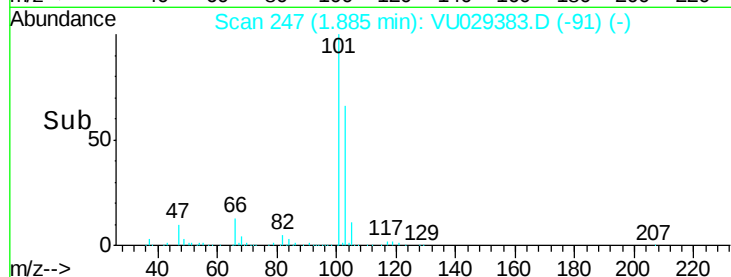
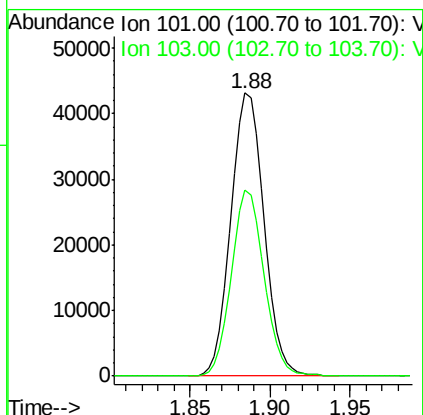
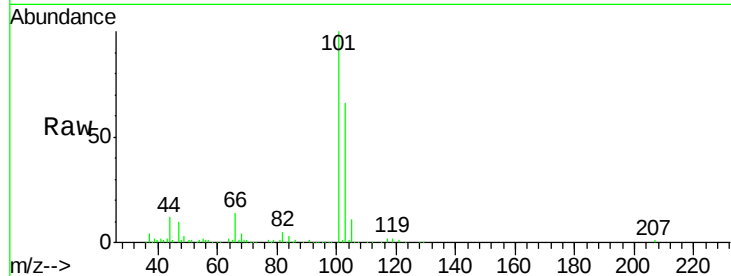
Instrument :
 MSVOA_U
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.9	80.9

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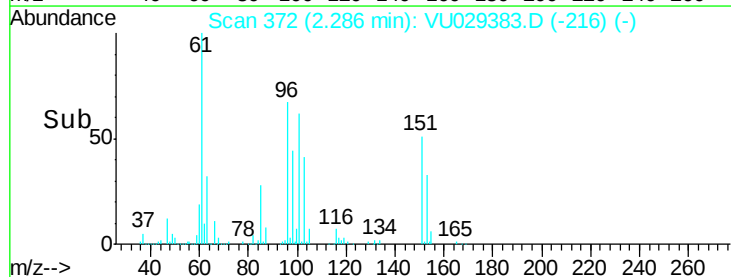
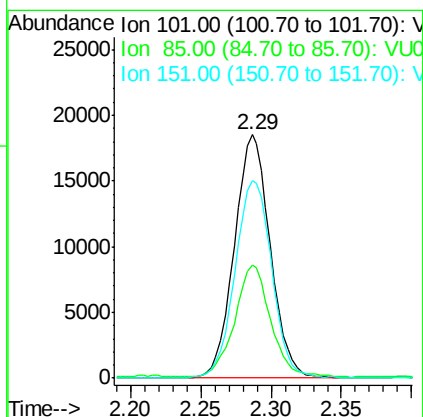
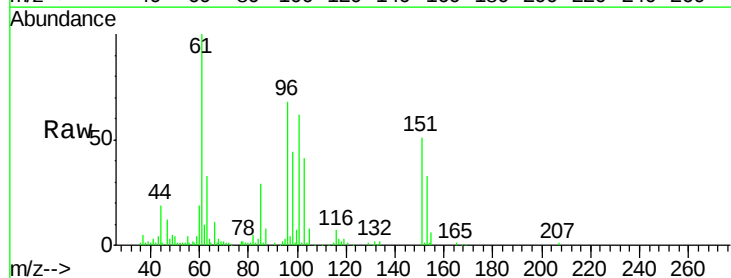
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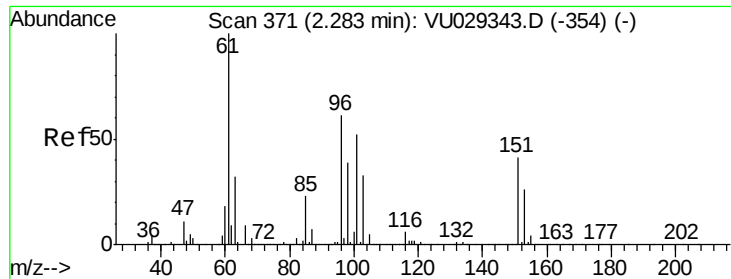


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.090 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.8	40.3	60.5
151	83.3	58.1	87.1





#9
 1,1-Dichloroethene
 Concen: 2.061 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

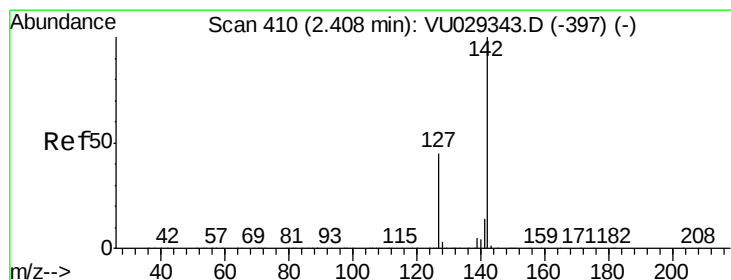
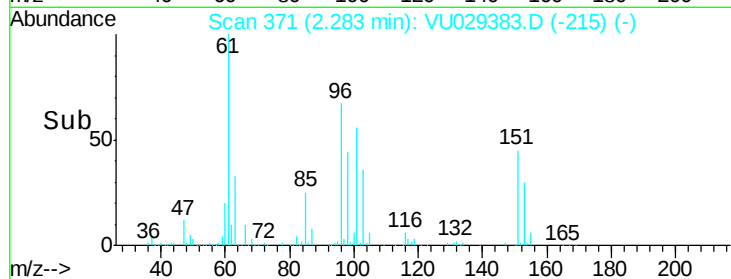
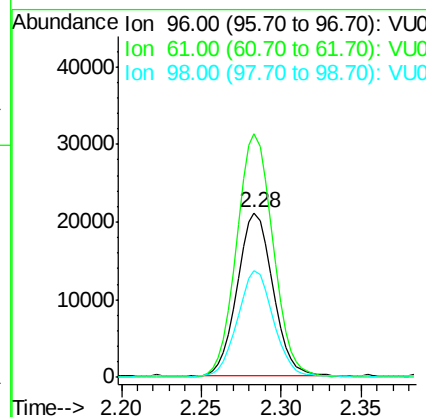
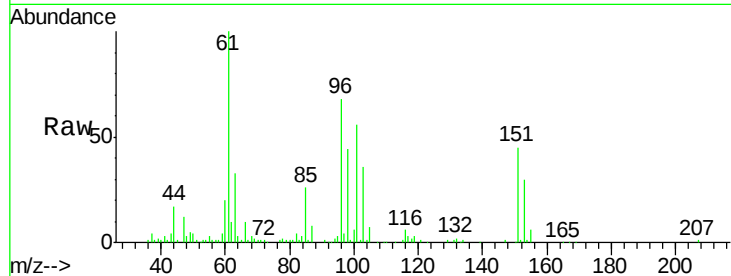
Instrument :
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 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	641.4
98	65.0	0.0	122.6

Manual Integrations
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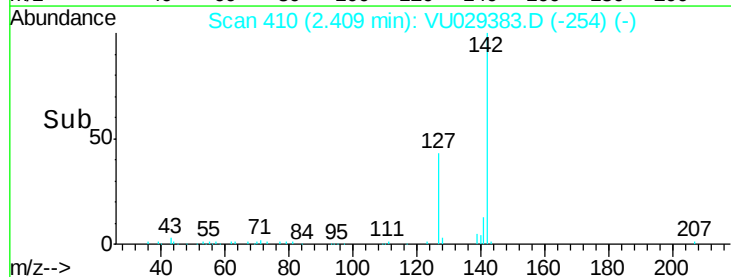
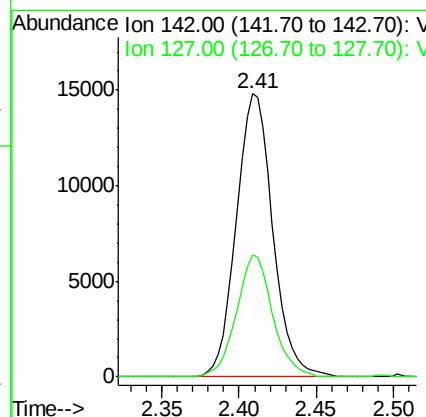
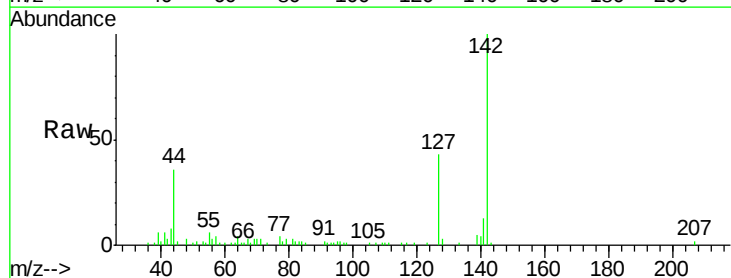
MMDadoda

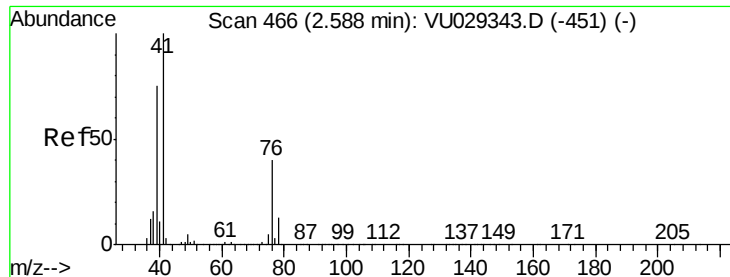
2/18/2019 12:15:50 PM



#10
 Iodomethane
 Concen: 1.316 ug/l
 RT: 2.41 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	47.6	71.4#





#11

Allvl Chloride

Concen: 1.823 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 41 Resp: 47219

Ion Ratio Lower Upper

41 100

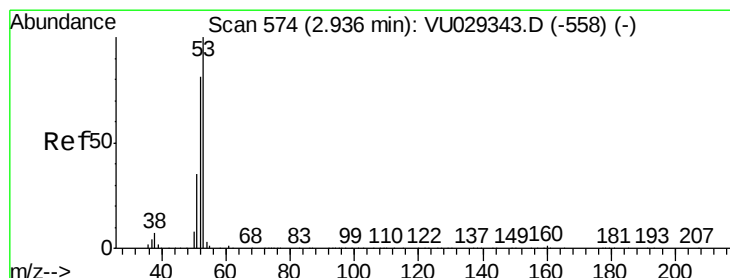
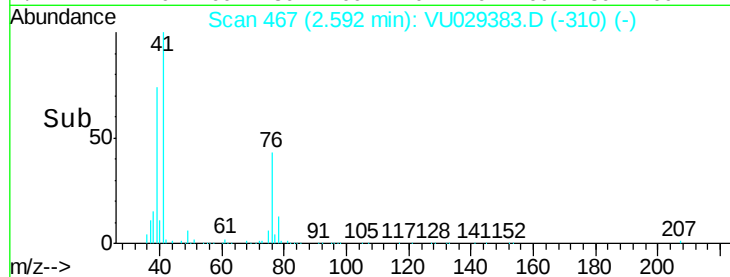
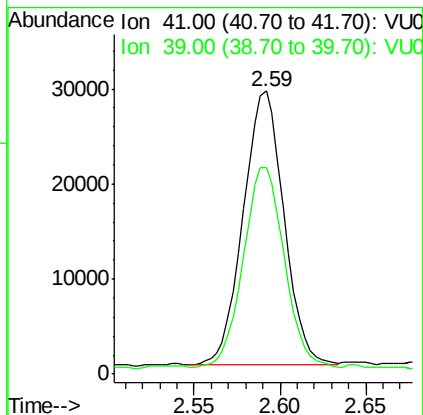
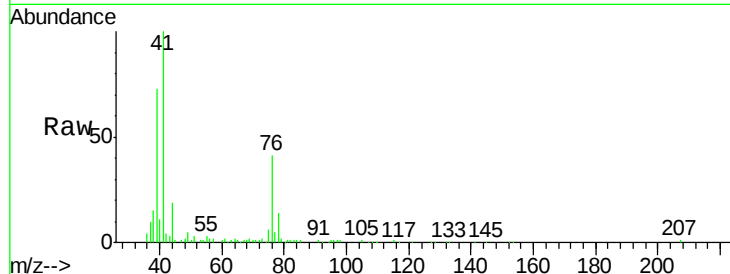
39 73.3 67.2 100.8

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#12

Acrylonitrile

Concen: 3.865 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

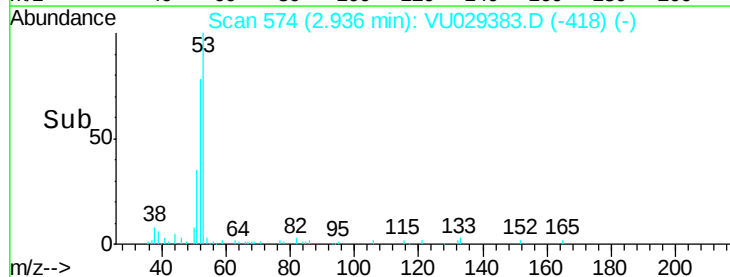
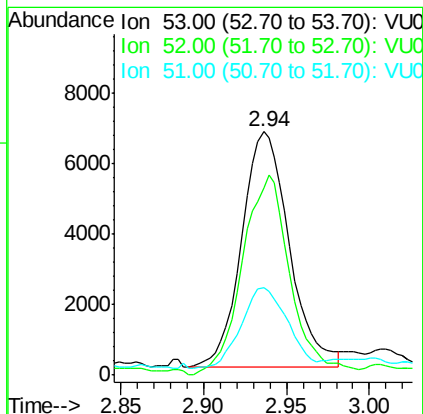
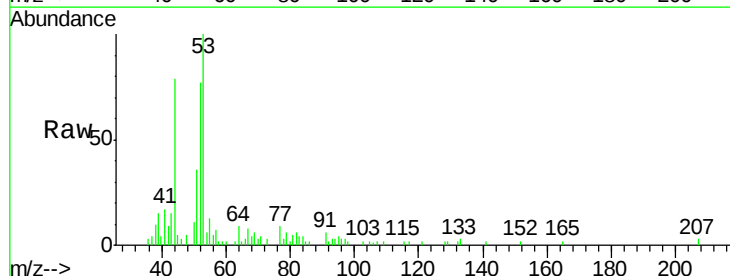
Tgt Ion: 53 Resp: 13378

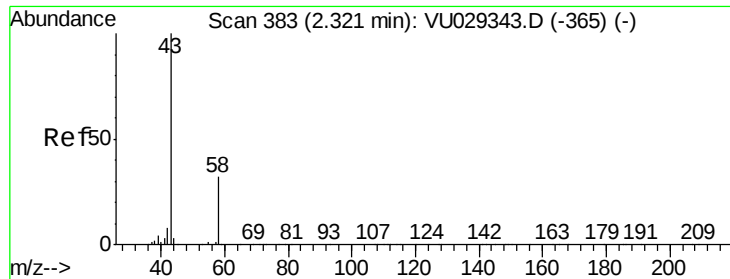
Ion Ratio Lower Upper

53 100

52 86.0 67.6 101.4

51 32.9 31.0 46.4





#13

Acetone

Concen: 8.534 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 43 Resp: 28472

Ion Ratio Lower Upper

43 100

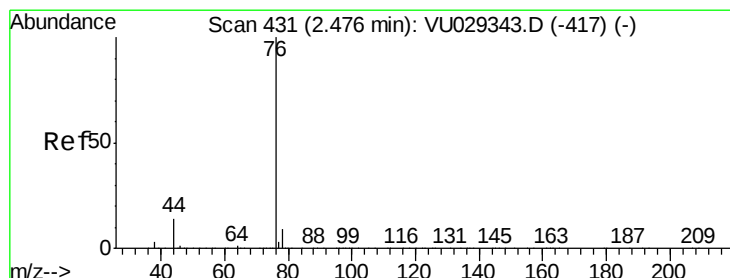
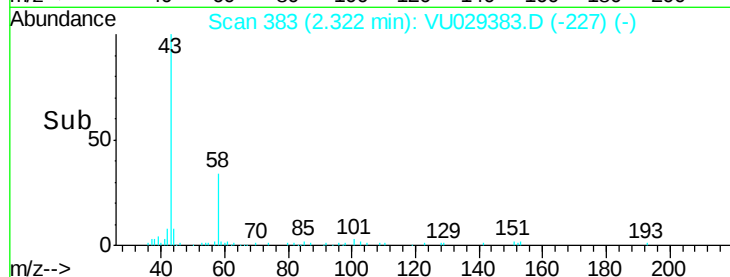
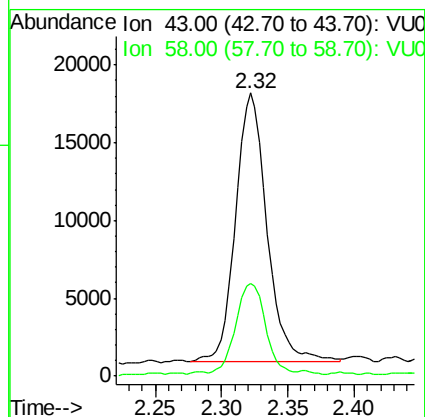
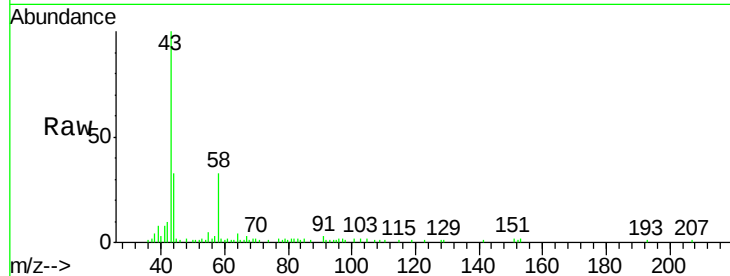
58 33.4 19.2 28.8#

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#14

Carbon Disulfide

Concen: 1.904 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029383.D

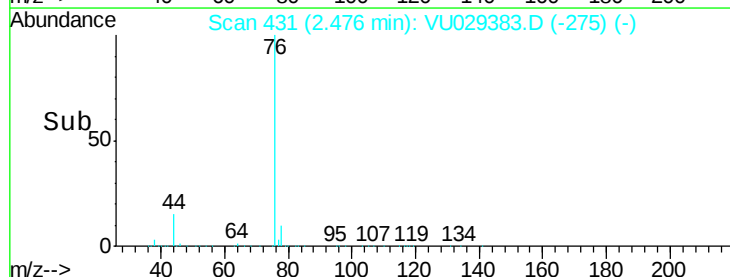
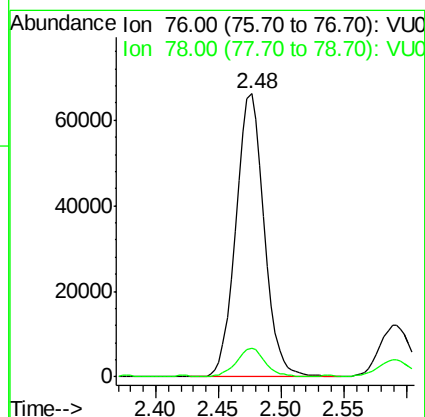
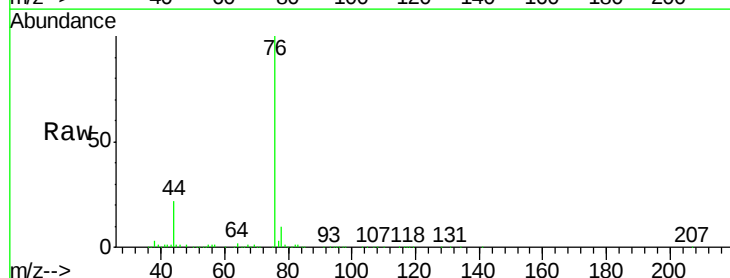
Acq: 08 Feb 2019 17:19

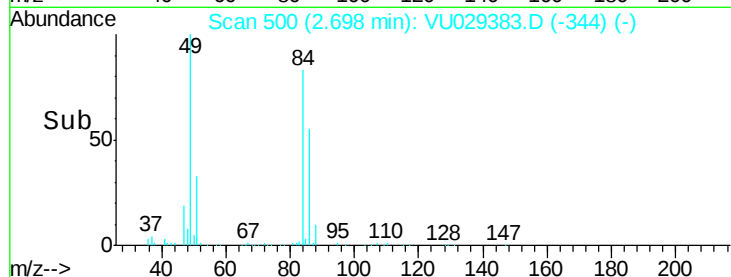
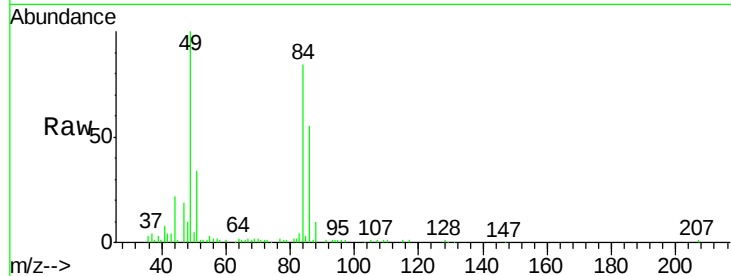
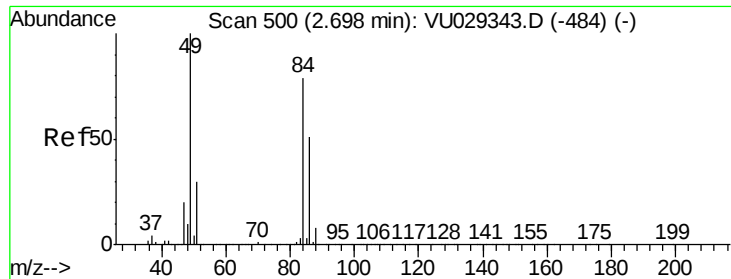
Tgt Ion: 76 Resp: 103835

Ion Ratio Lower Upper

76 100

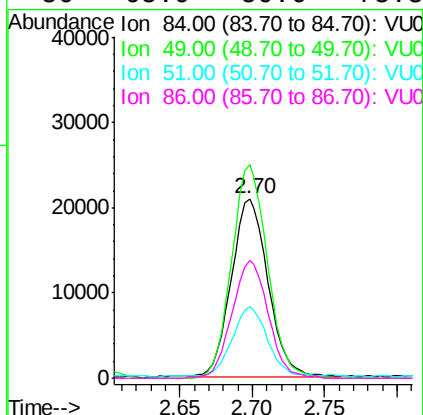
78 9.9 7.1 10.7





#15
Methvlene Chloride
Concen: 1.942 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tot Ion	Ratio	Lower	Upper
84	100		
49	120.0	127.0	190.6#
51	39.0	0.0	93.4
86	65.9	50.6	75.8

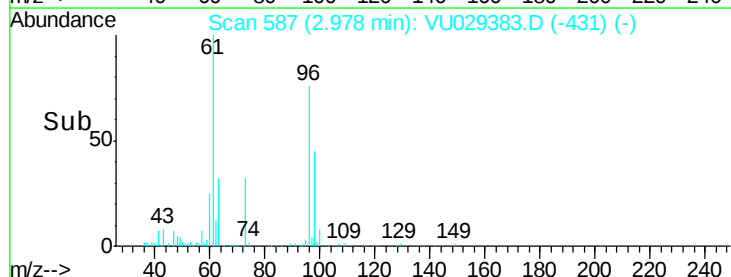
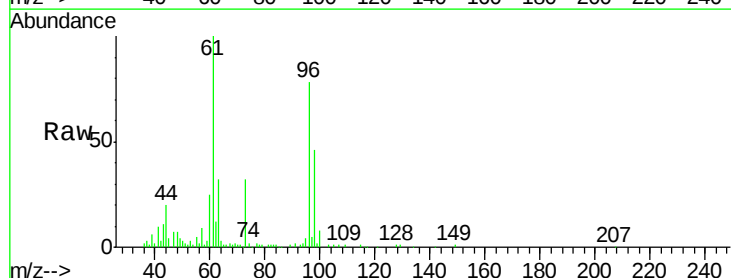
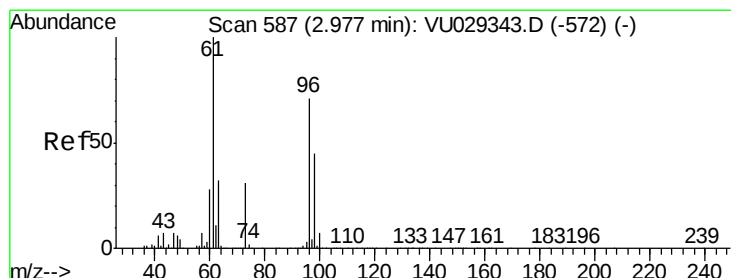


Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

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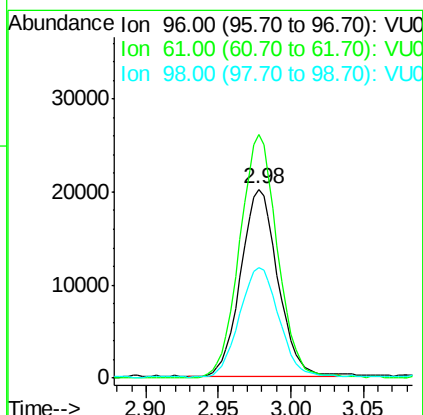
MMDadoda

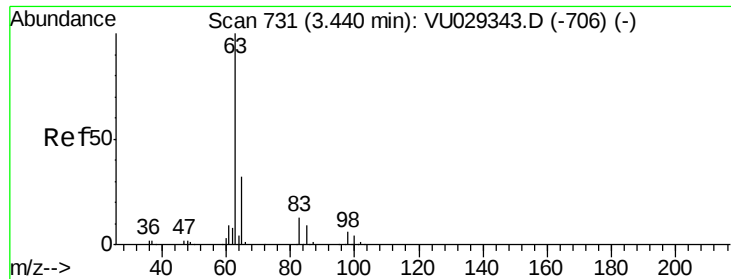
2/18/2019 12:15:50 PM



#16
trans-1,2-Dichloroethene
Concen: 2.091 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.7	140.6	210.8#
98	58.6	49.3	73.9





#17
 1,1-Dichloroethane
 Concen: 1.809 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

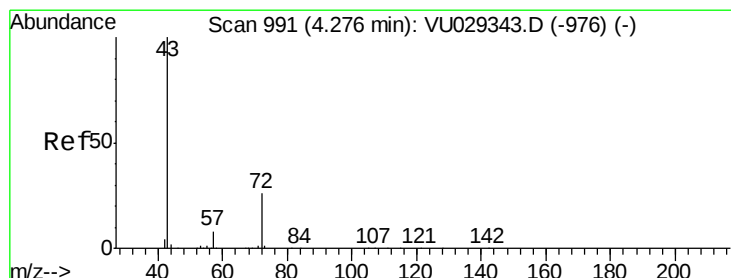
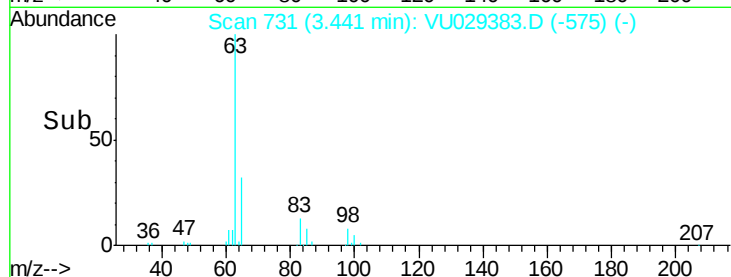
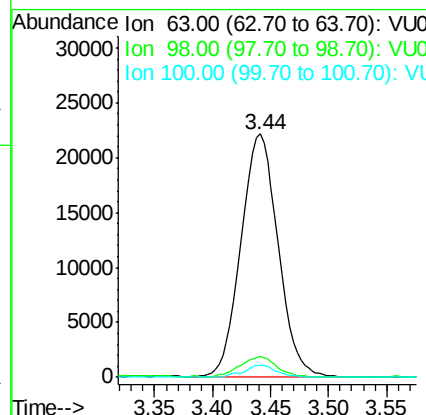
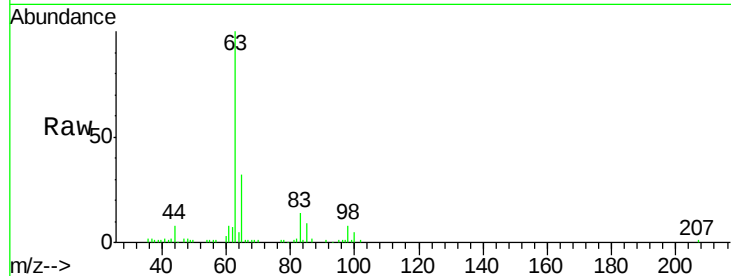
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.4	2.9	8.8
100	5.0	1.7	5.1

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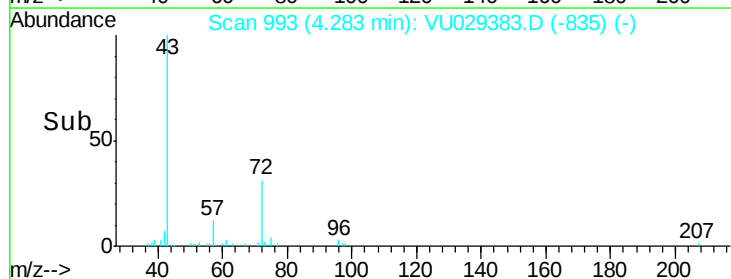
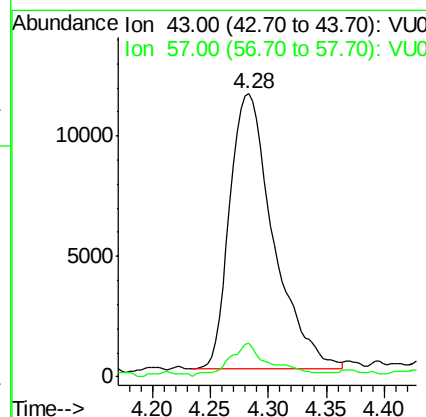
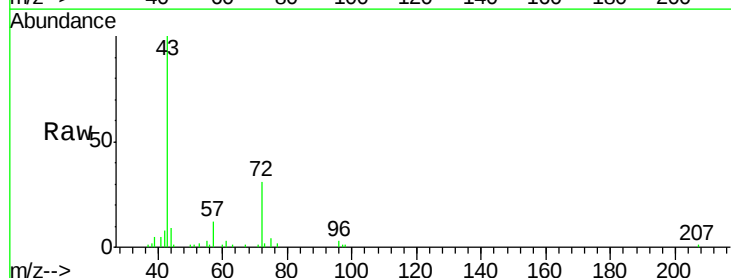
MMDadoda

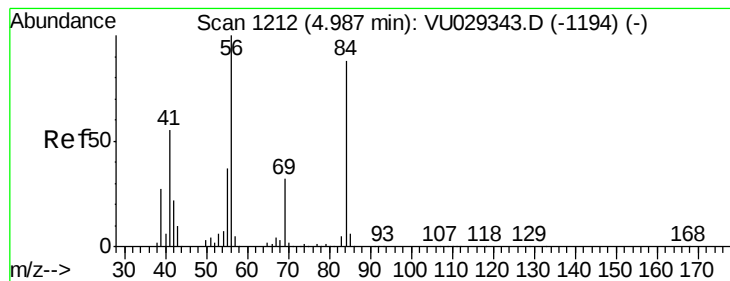
2/18/2019 12:15:50 PM



#18
 2-Butanone
 Concen: 8.051 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	12.1	0.0	15.8





#19

Cyclohexane

Concen: 1.444 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 56 Resp: 36654

Ion Ratio Lower Upper

56 100

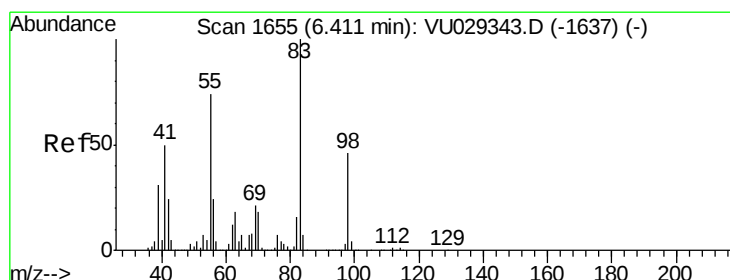
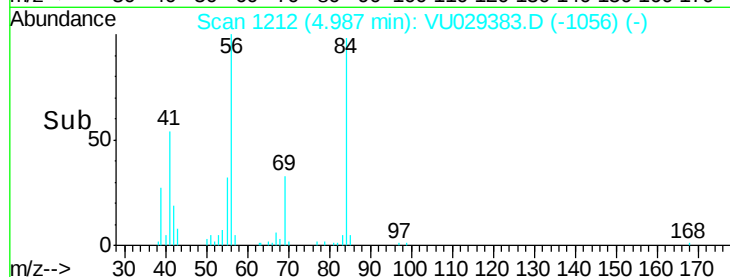
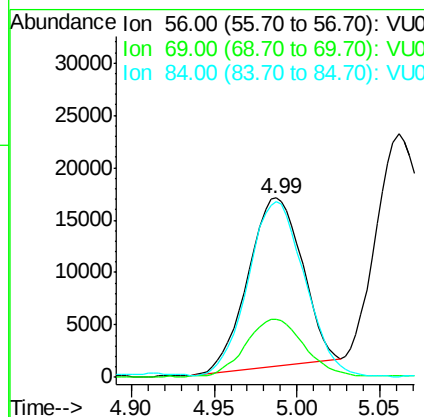
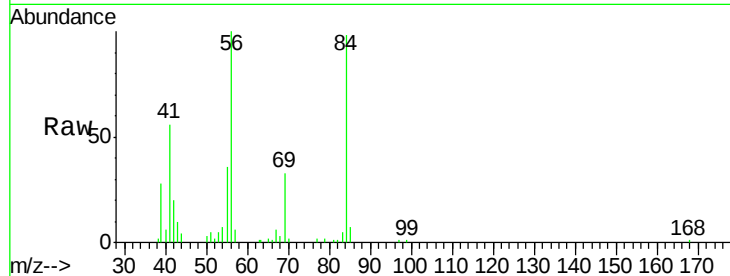
69 36.6 26.8 40.2

84 108.7 71.5 107.3#

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#20

Methylcyclohexane

Concen: 1.887 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

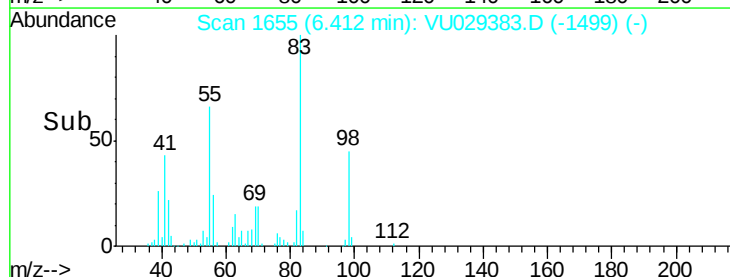
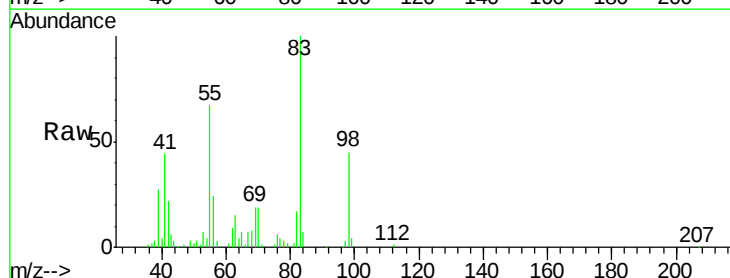
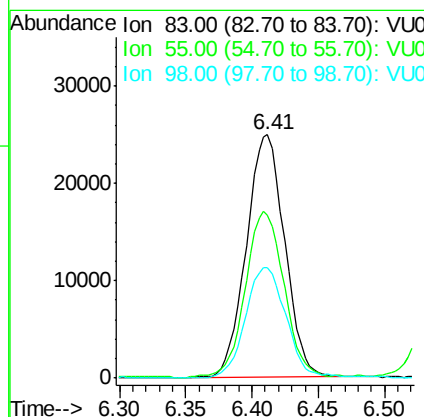
Tgt Ion: 83 Resp: 50295

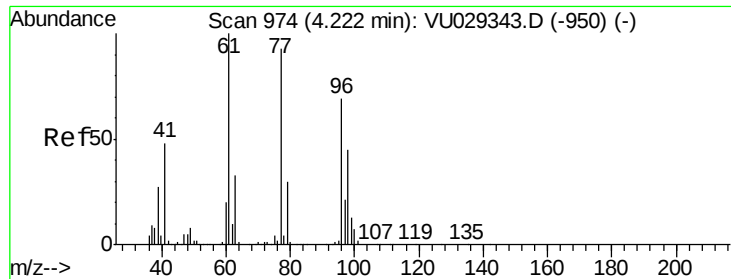
Ion Ratio Lower Upper

83 100

55 68.5 72.4 108.6#

98 47.1 36.6 54.8





#21
2,2-Dichloropropane
Concen: 1.856 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

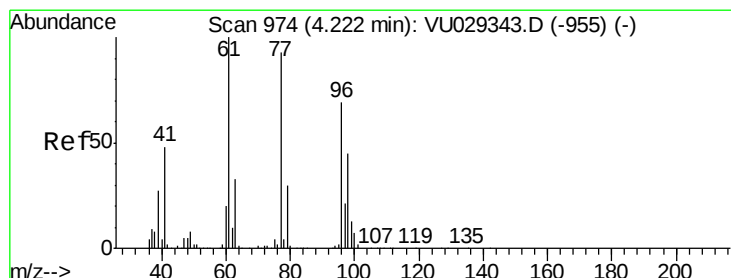
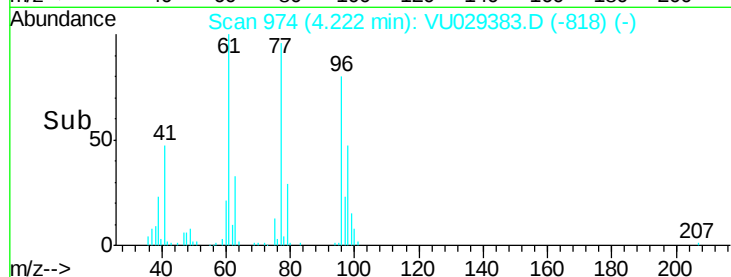
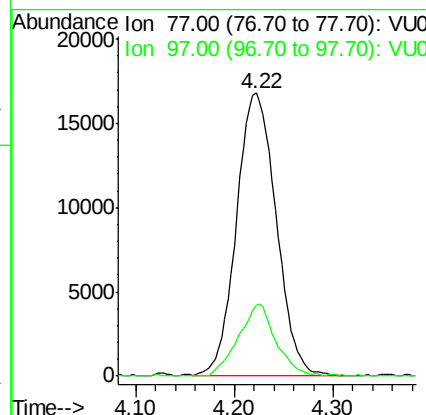
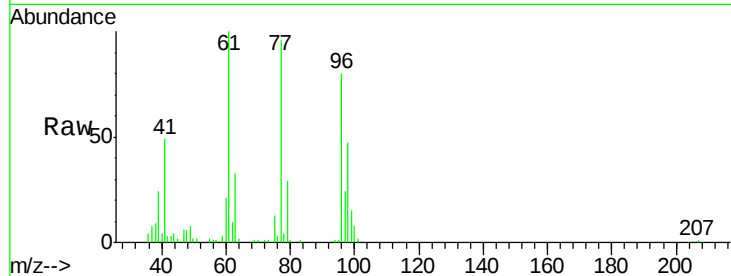
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion: 77 Resp: 47017
Ion Ratio Lower Upper
77 100
97 23.8 15.6 23.4#

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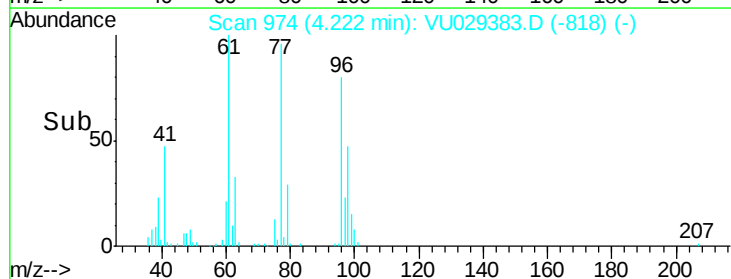
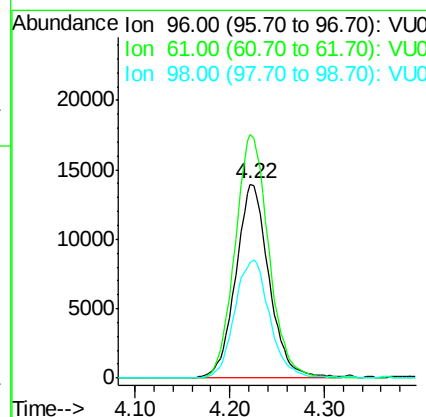
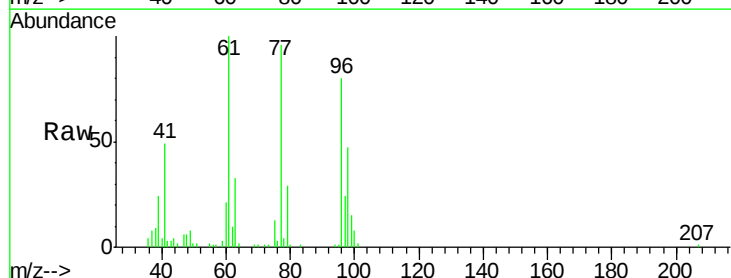
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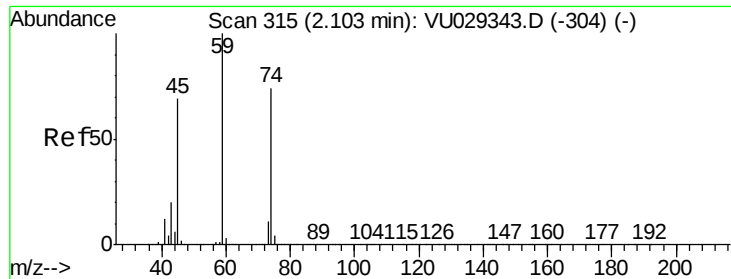
2/18/2019 12:15:50 PM



#22
cis-1,2-Dichloroethene
Concen: 2.108 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 96 Resp: 34300
Ion Ratio Lower Upper
96 100
61 126.5 0.0 460.0
98 63.3 32.6 97.7





#23
Diethyl Ether
Concen: 1.809 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

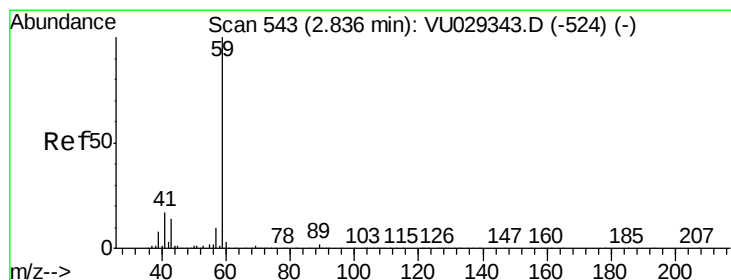
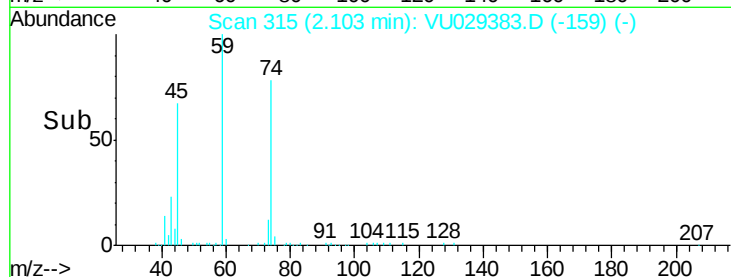
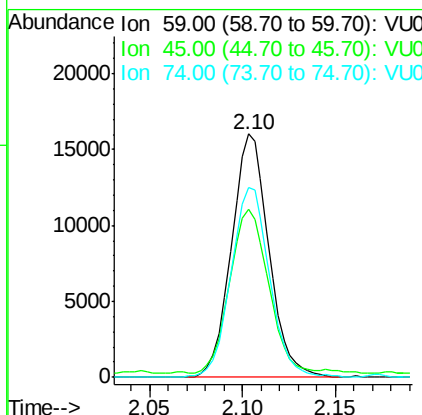
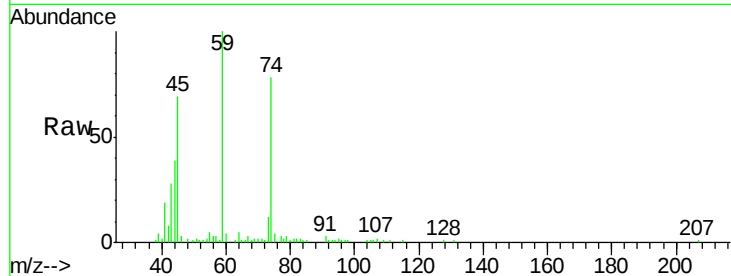
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.8	64.2	96.4
74	80.6	55.3	82.9

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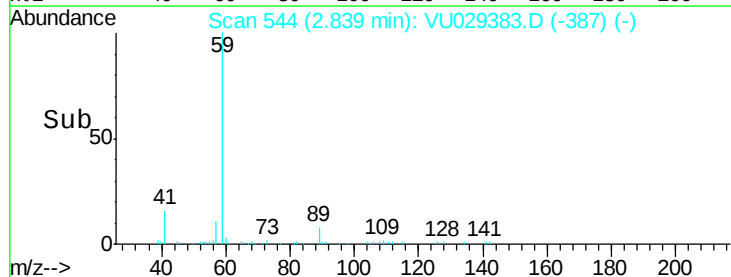
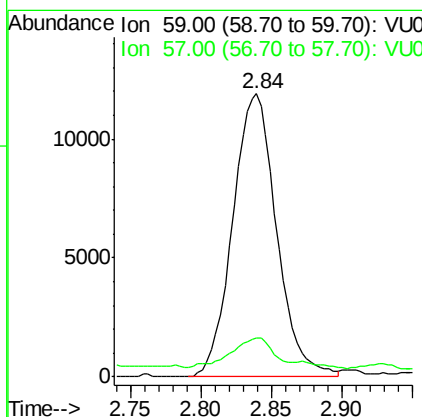
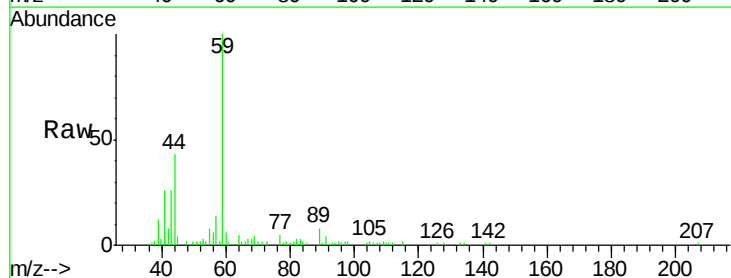
MMDadoda

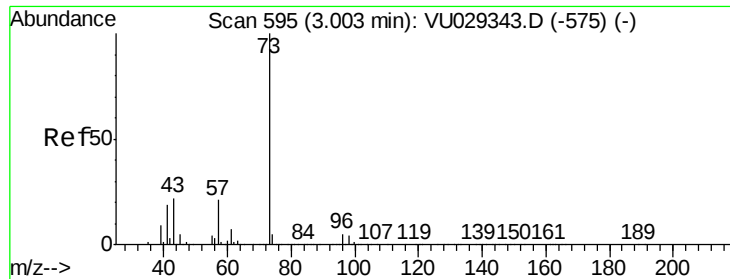
2/18/2019 12:15:50 PM



#24
tert-Butyl Alcohol
Concen: 20.113 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.8	13.2





#25

Methyl tert-Butyl Ether
 Concen: 1.938 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

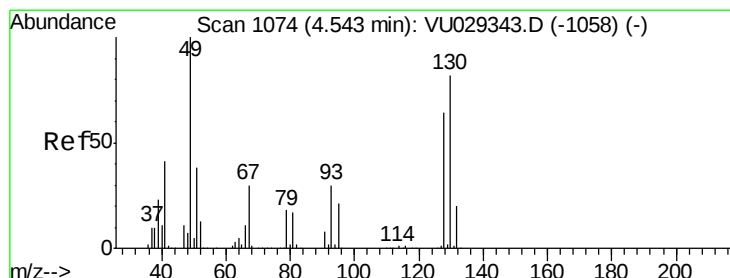
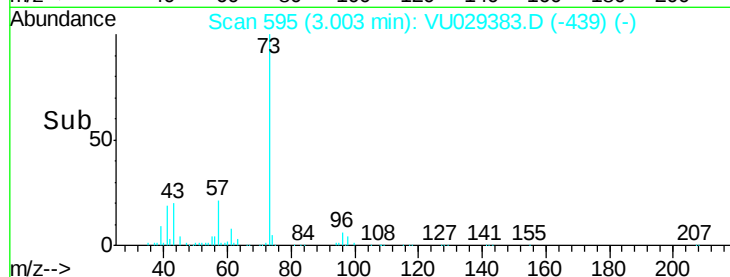
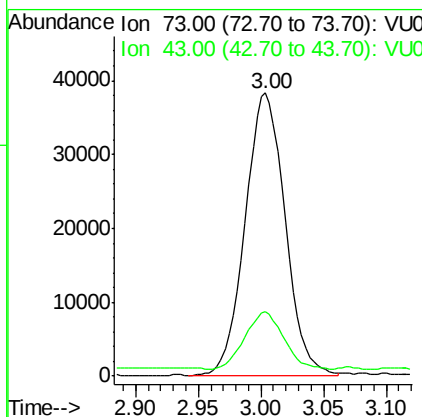
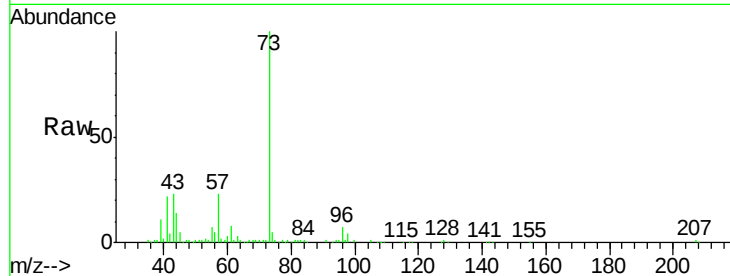
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	73	Resp	84299
Ion Ratio	Lower	Upper	
73	100		
43	19.7	22.1	33.1#

Manual Integrations
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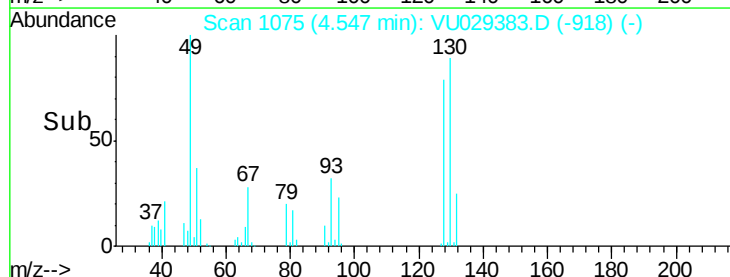
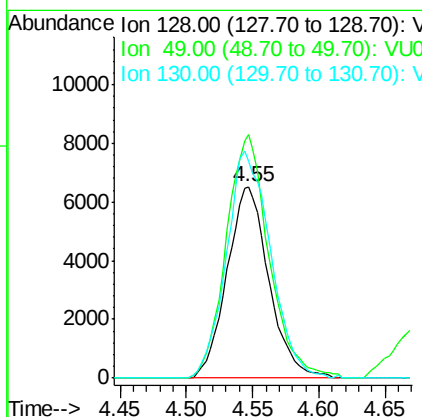
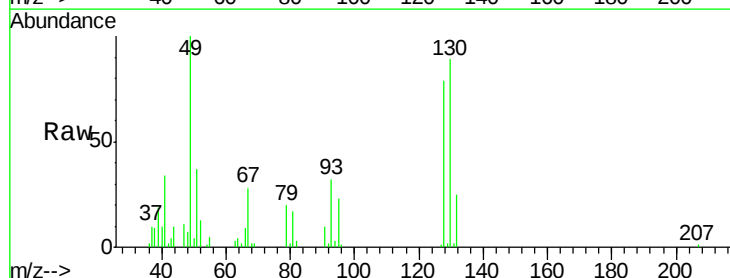
2/18/2019 12:15:50 PM

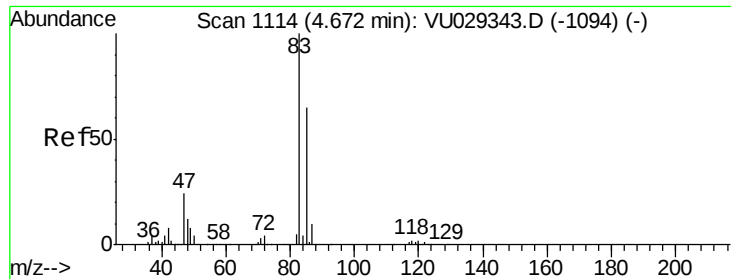


#26

Bromochloromethane
 Concen: 1.990 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	128	Resp	14305
Ion Ratio	Lower	Upper	
128	100		
49	130.0	0.0	401.6
130	125.5	108.0	162.0





#27

Chloroform

Concen: 1.953 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 83 Resp: 51982

Ion Ratio Lower Upper

83 100

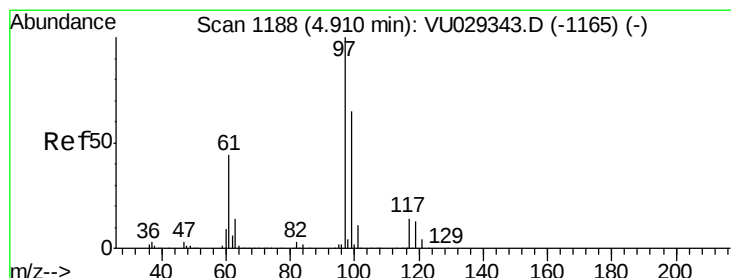
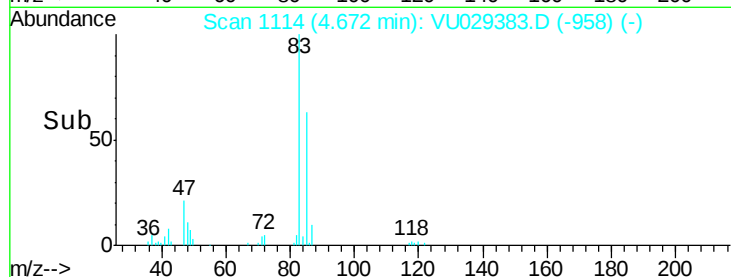
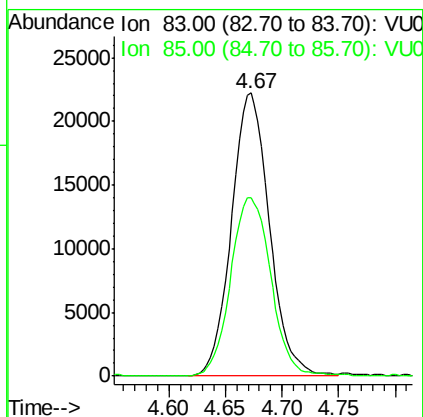
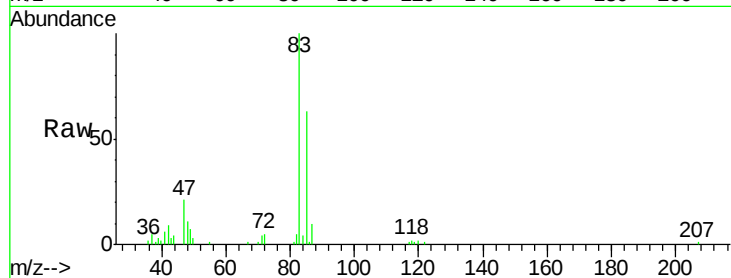
85 62.9 0.0 126.6

Manual Integrations

APPROVED

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#28

1,1,1-Trichloroethane

Concen: 1.907 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

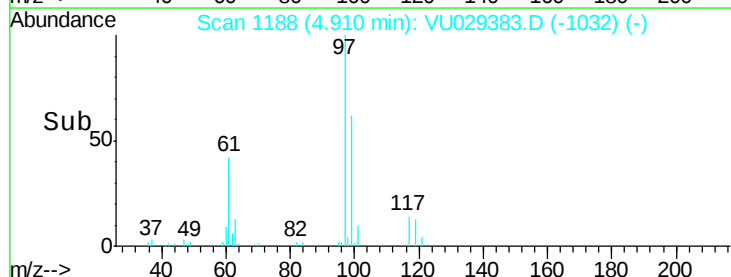
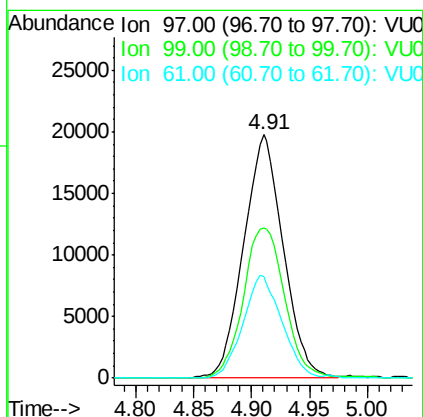
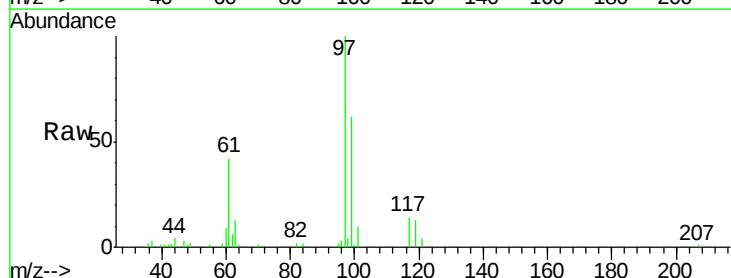
Tgt Ion: 97 Resp: 47048

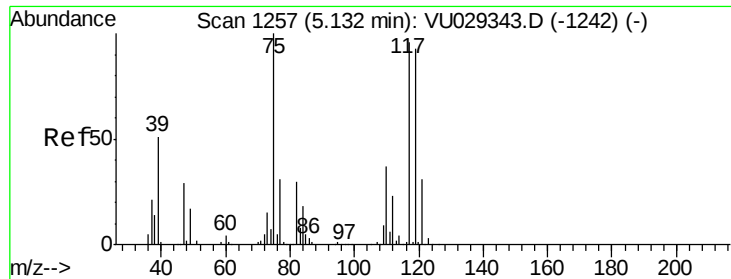
Ion Ratio Lower Upper

97 100

99 64.4 32.4 97.2

61 41.3 24.4 73.2





#29
 1,1-Dichloropropene
 Concen: 1.912 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

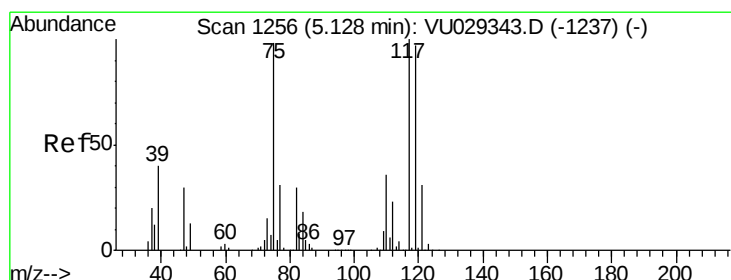
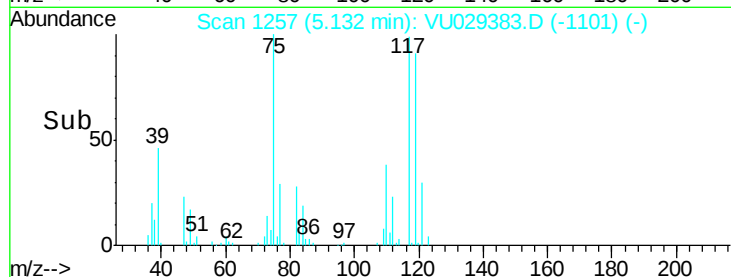
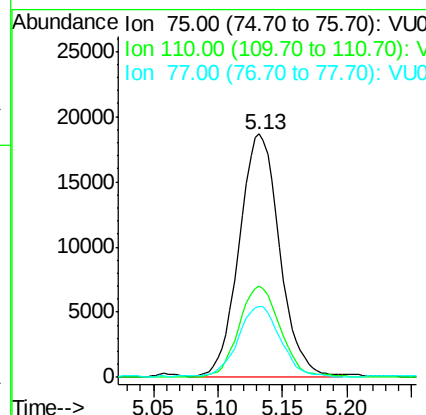
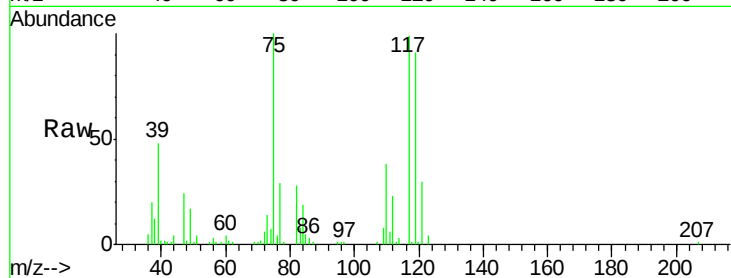
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.4	15.4	46.2
77	30.8	24.1	36.1

Manual Integrations
 APPROVED

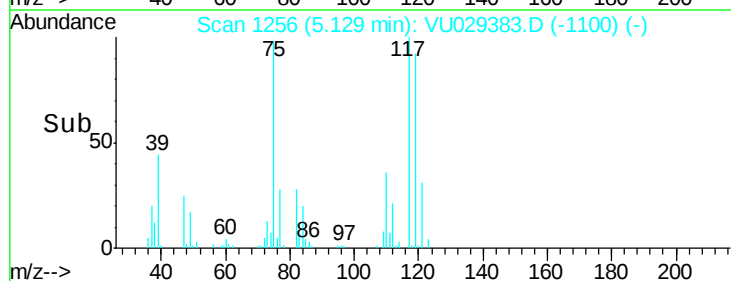
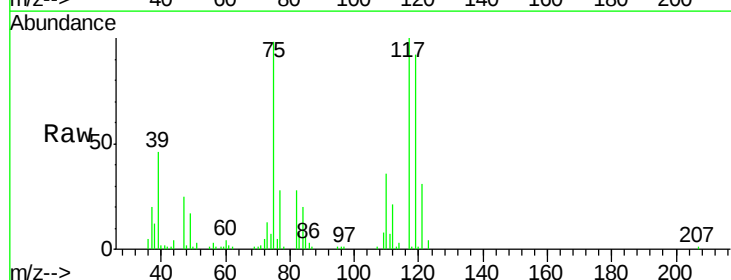
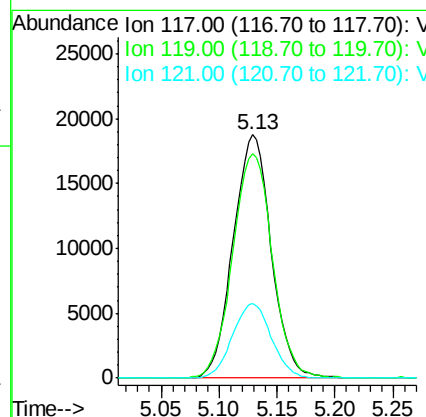
MMDadoda

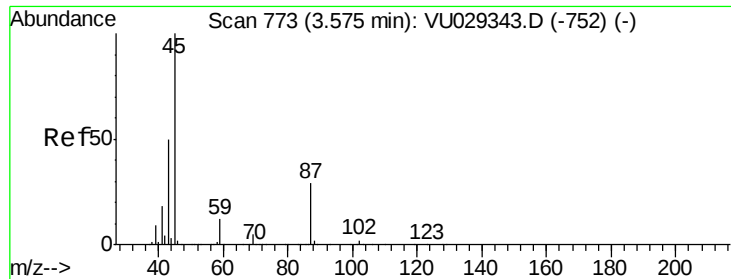
2/18/2019 12:15:50 PM



#30
 Carbon Tetrachloride
 Concen: 1.919 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.8	115.2
121	30.7	24.4	36.6





#31

Isopropyl Ether

Concen: 1.761 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 45 Resp: 72744

Ion Ratio Lower Upper

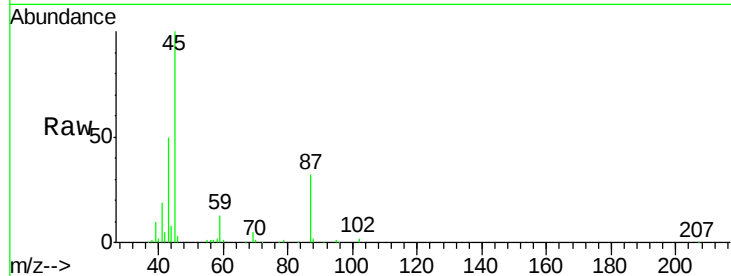
45 100

43 48.0 28.4 85.3

Manual Integrations
APPROVED

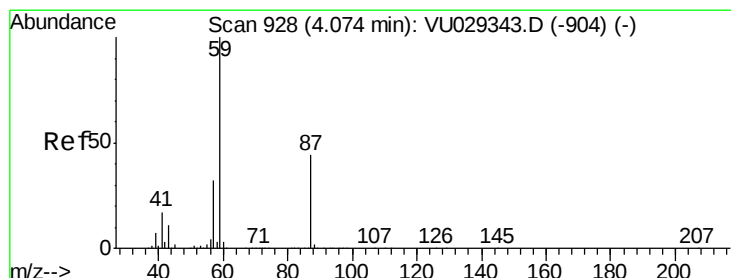
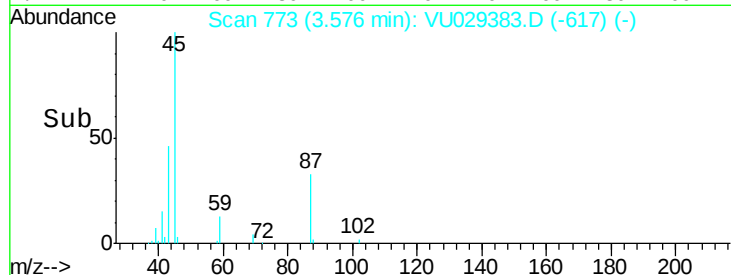
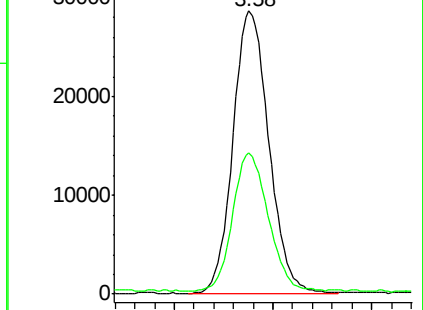
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Abundance Ion 45.00 (44.70 to 45.70): VU029383.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU029383.D (-617) (-)



#32

Ethyl-t-butyl ether

Concen: 1.807 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029383.D

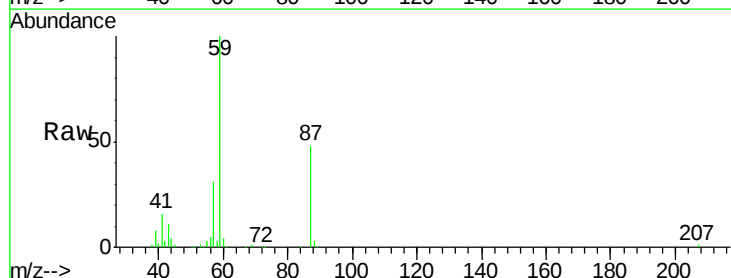
Acq: 08 Feb 2019 17:19

Tgt Ion: 59 Resp: 74770

Ion Ratio Lower Upper

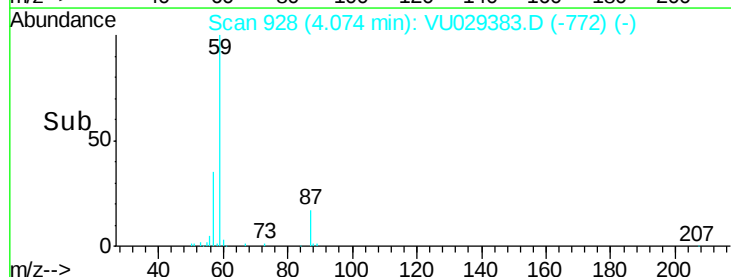
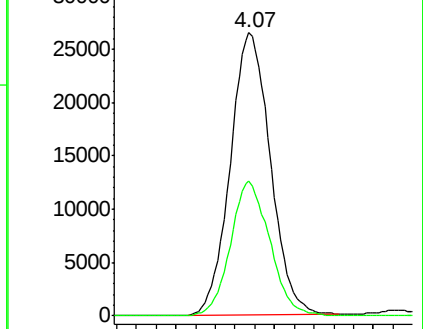
59 100

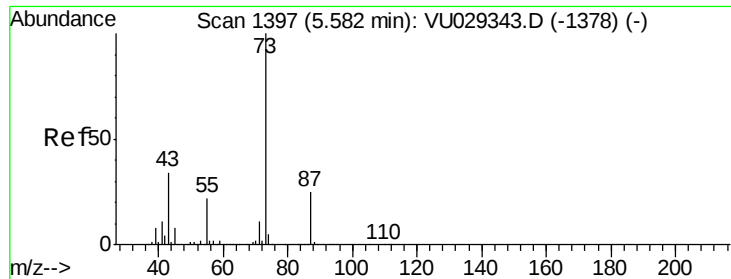
87 46.8 31.1 46.7#



Abundance Ion 59.00 (58.70 to 59.70): VU029383.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU029383.D (-772) (-)





#33

Tert-Amvl methvl ether
Concen: 1.864 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

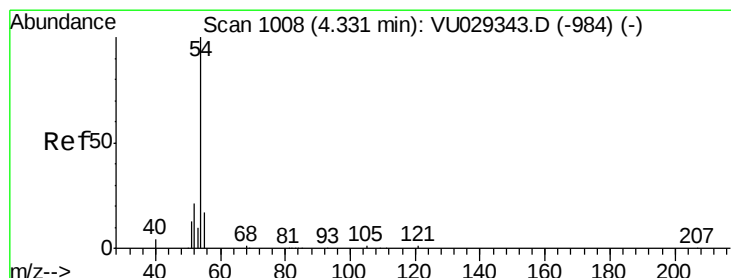
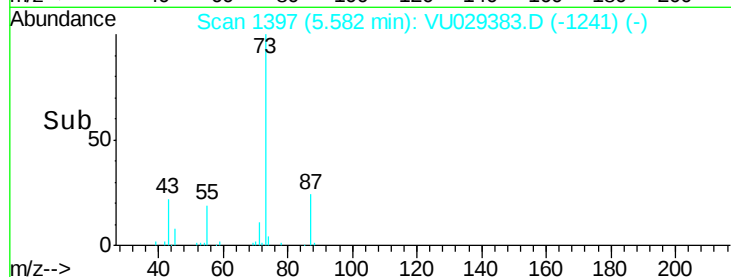
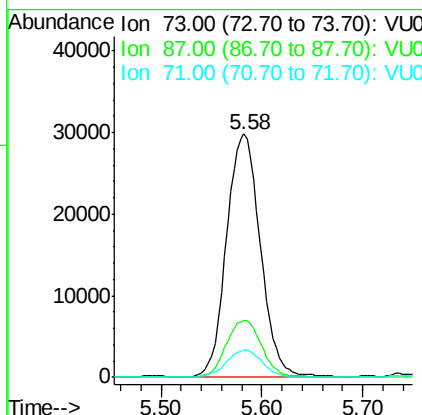
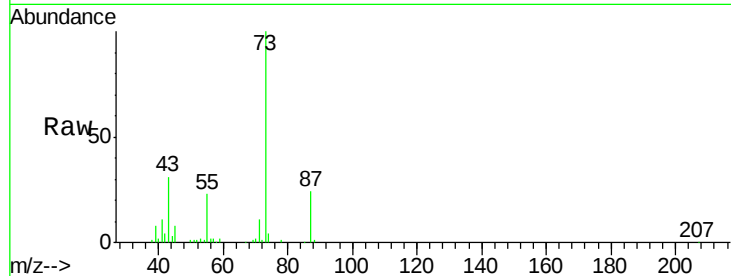
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
87	87	24.5	19.4	29.0
71	71	11.7	9.0	13.4

Manual Integrations
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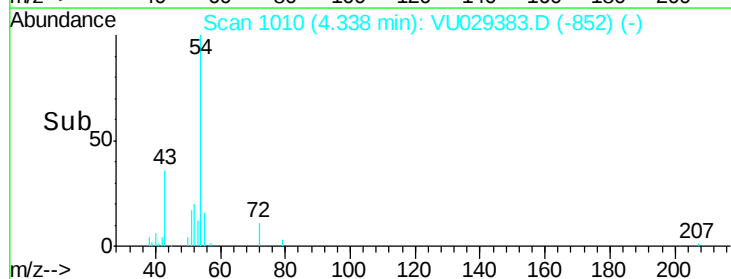
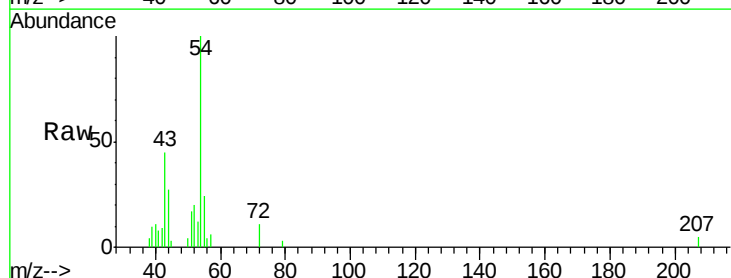
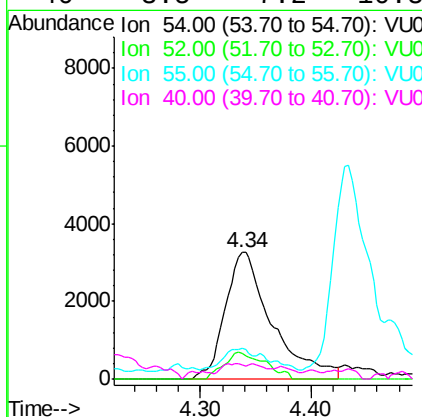
2/18/2019 12:15:50 PM

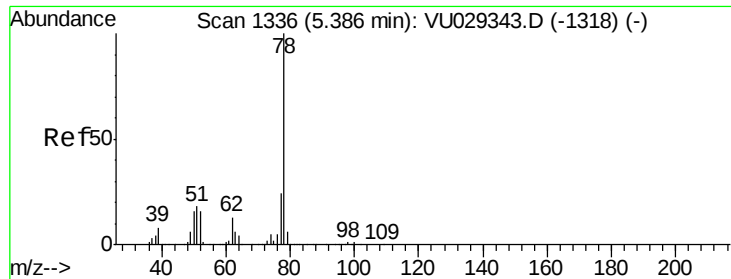


#34

Propionitrile
Concen: 9.763 ug/l
RT: 4.34 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
54	54	100		
52	52	18.3	18.9	28.3#
55	55	15.0	15.1	22.7#
40	40	3.5	7.2	10.8#





#35

Benzene

Concen: 1.897 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 78 Resp: 112365

Ion Ratio Lower Upper

78 100

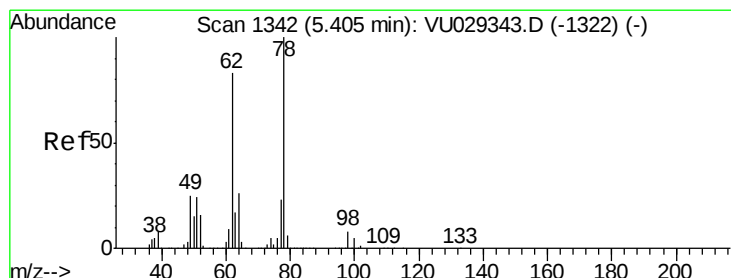
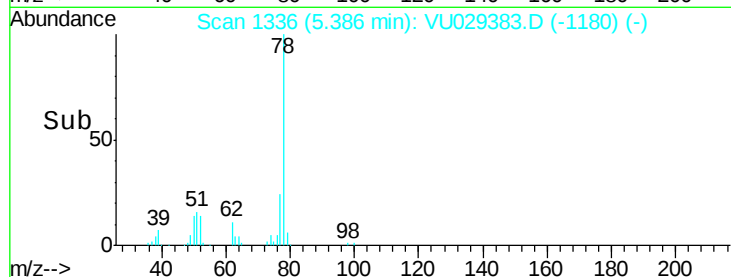
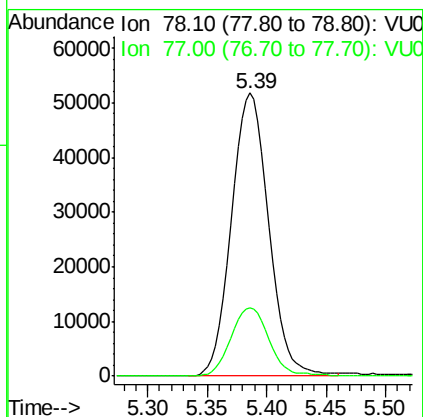
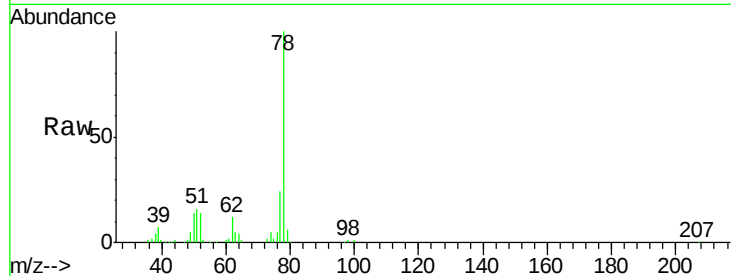
77 24.0 19.8 29.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.817 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029383.D

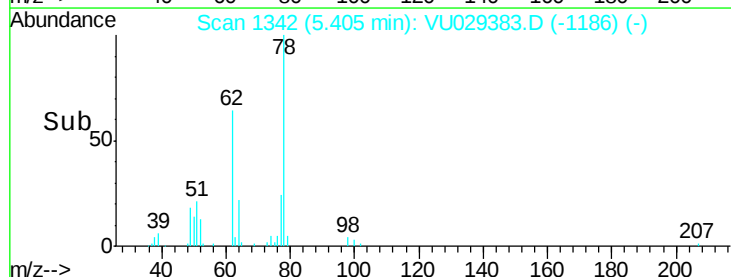
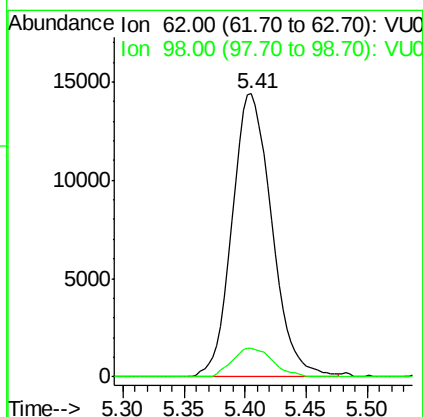
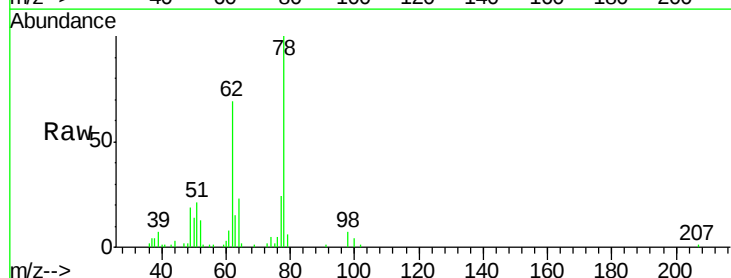
Acq: 08 Feb 2019 17:19

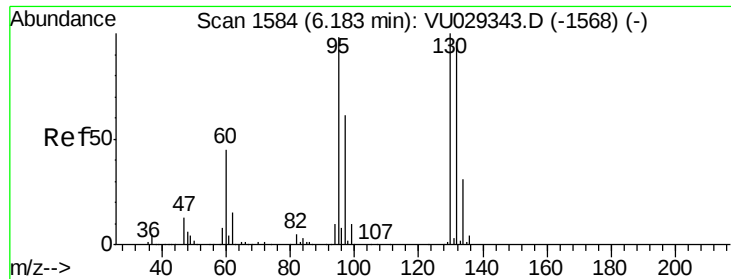
Tgt Ion: 62 Resp: 32541

Ion Ratio Lower Upper

62 100

98 10.4 4.9 7.3#





#37

Trichloroethene

Concen: 1.983 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion:130 Resp: 33693

Ion Ratio Lower Upper

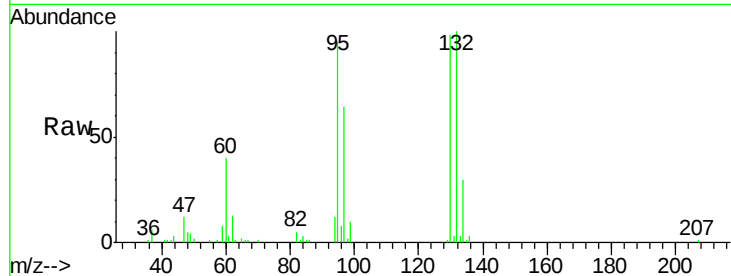
130 100

95 97.2 85.4 128.0

Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): VU029383.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029383.D (-1568) (-)

6.18

20000

15000

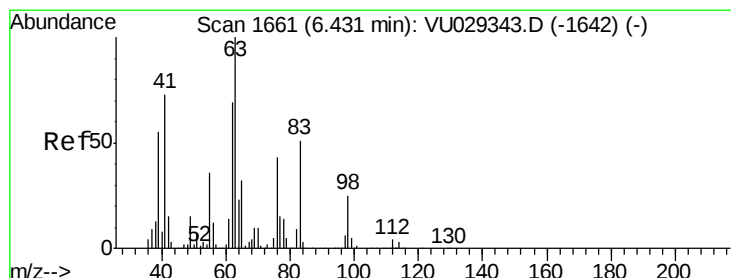
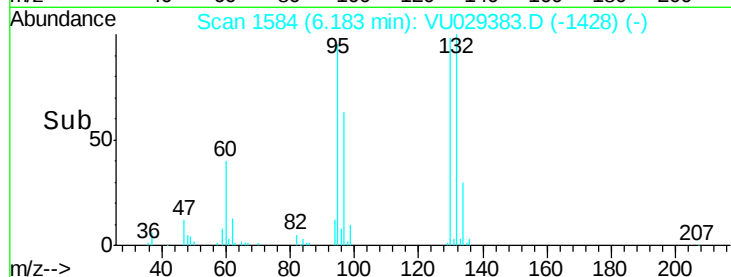
10000

5000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 1.791 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029383.D

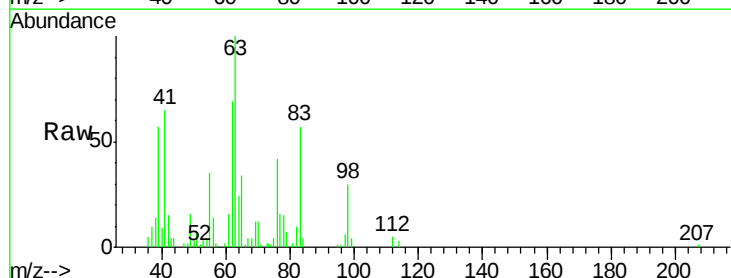
Acq: 08 Feb 2019 17:19

Tgt Ion: 63 Resp: 27594

Ion Ratio Lower Upper

63 100

65 33.6 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029383.D (-1505) (-)

Ion 65.00 (64.70 to 65.70): VU029383.D (-1505) (-)

6.43

15000

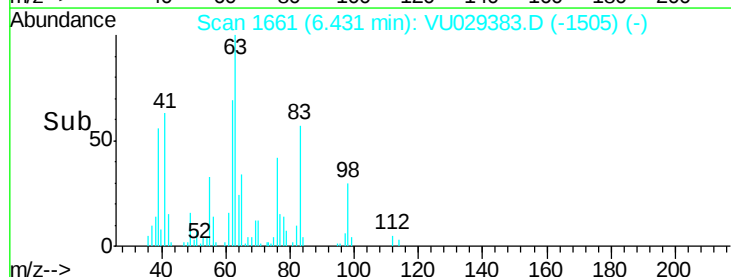
10000

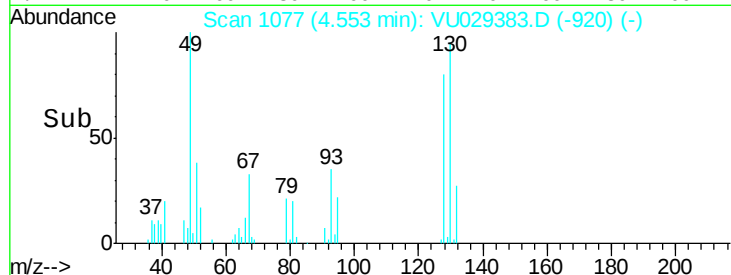
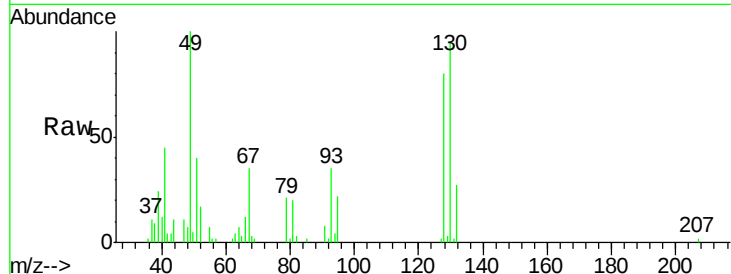
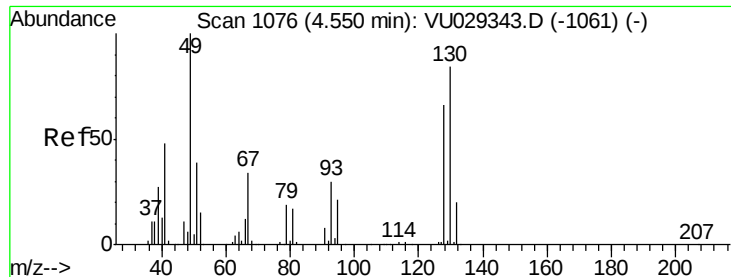
5000

0

6.35 6.40 6.45 6.50

Time-->





#39
Methacrylonitrile
Concen: 1.420 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

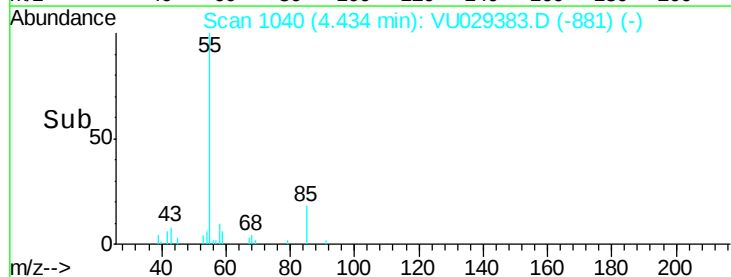
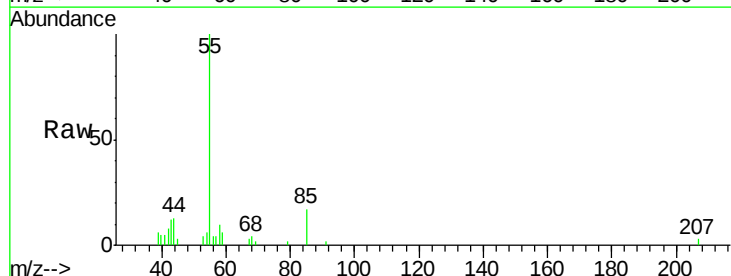
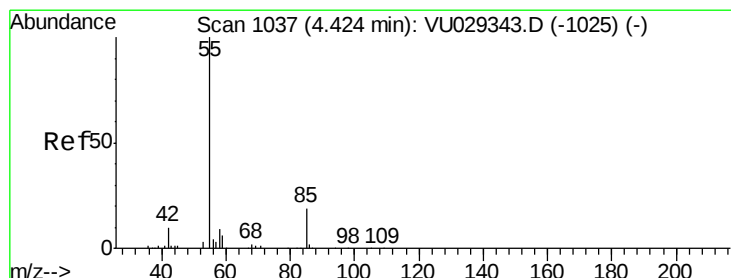
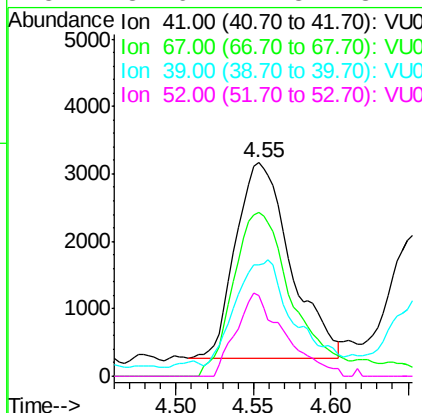
Tot Ion	41	Resp:	7126
Ion	Ratio	Lower	Upper
41	100		
67	90.2	50.1	75.1#
39	56.0	47.9	71.9
52	37.6	24.8	37.2#

Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Manual Integrations
APPROVED

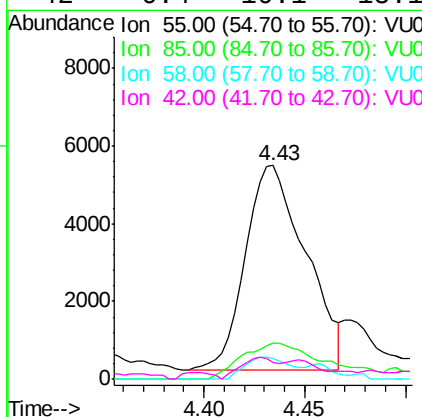
MMDadoda

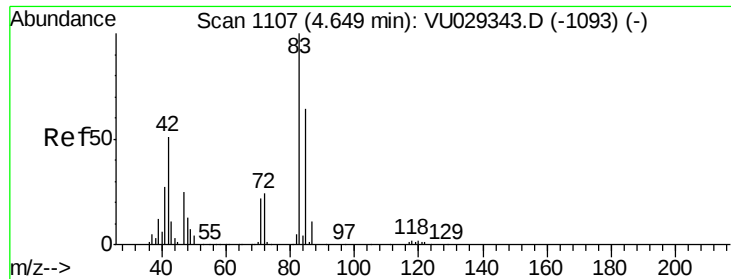
2/18/2019 12:15:50 PM



#40
Methyl acrylate
Concen: 1.450 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	55	Resp:	10984
Ion	Ratio	Lower	Upper
55	100		
85	24.0	11.3	16.9#
58	8.4	6.2	9.4
42	6.4	10.1	15.1#





#41
Tetrahydrofuran
Concen: 2.890 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

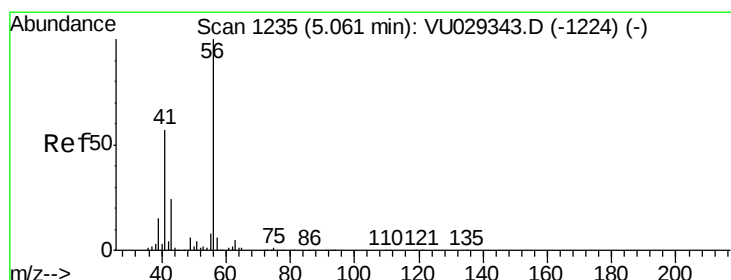
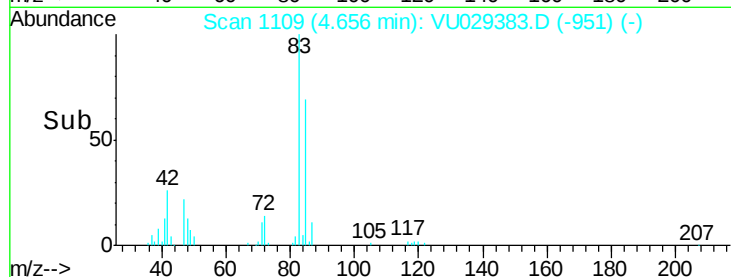
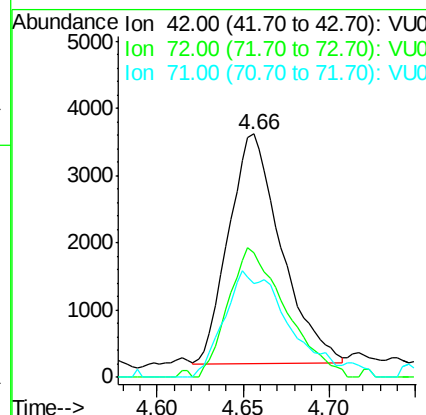
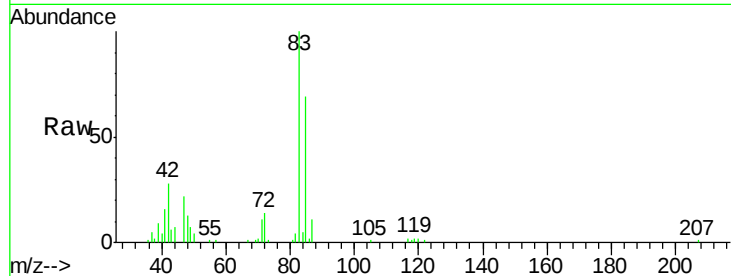
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.3	33.1	49.7#
71	55.7	30.2	45.2#

Manual Integrations
APPROVED

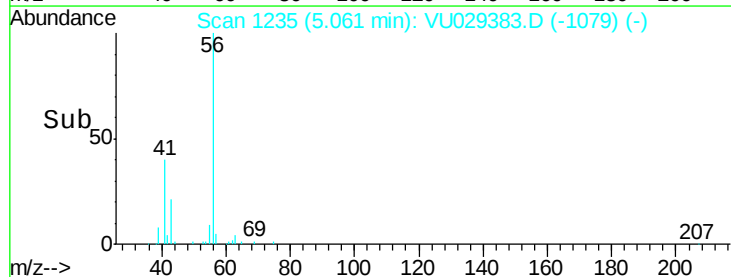
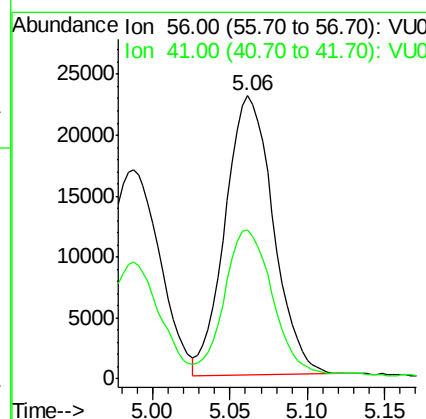
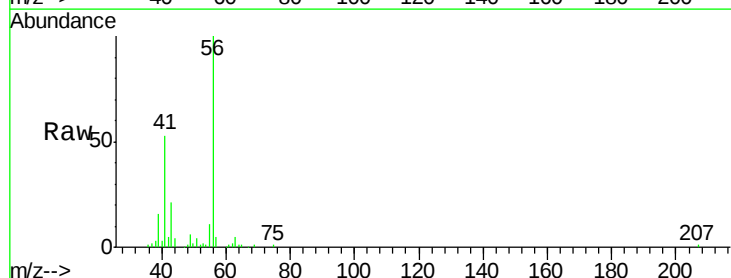
MMDadoda

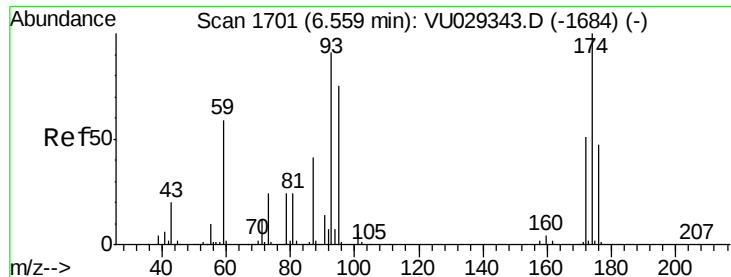
2/18/2019 12:15:50 PM



#42
1-Chlorobutane
Concen: 1.731 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.4	31.3	93.8





#43
Dibromomethane
Concen: 1.848 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

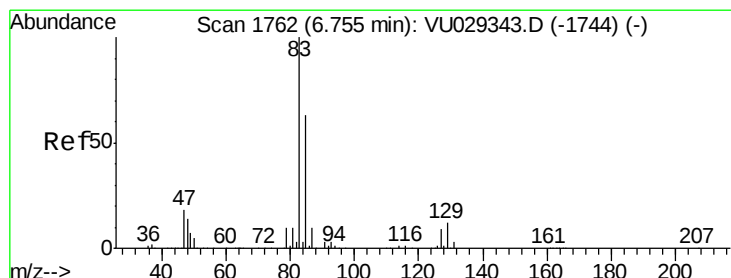
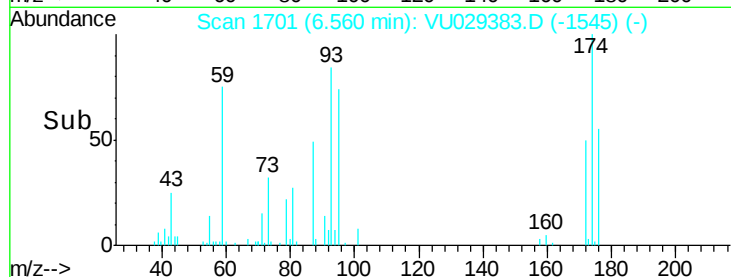
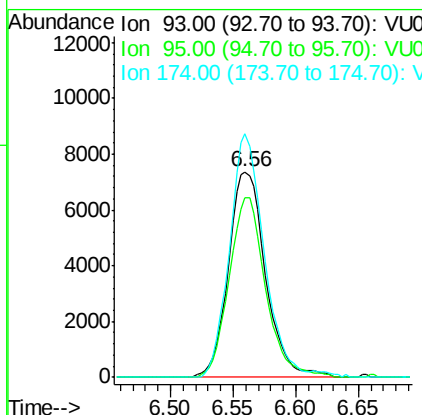
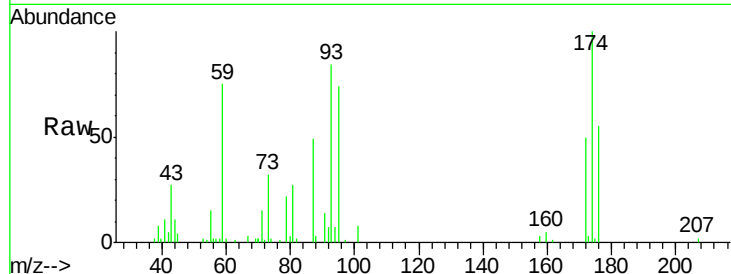
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	85.9	68.2	102.2
174	109.6	77.6	116.4

Manual Integrations
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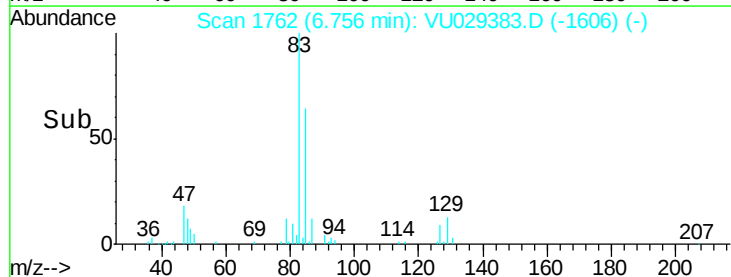
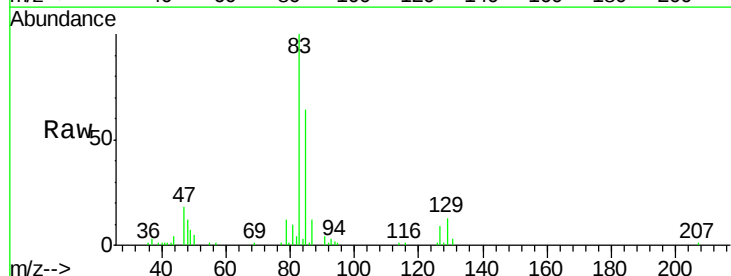
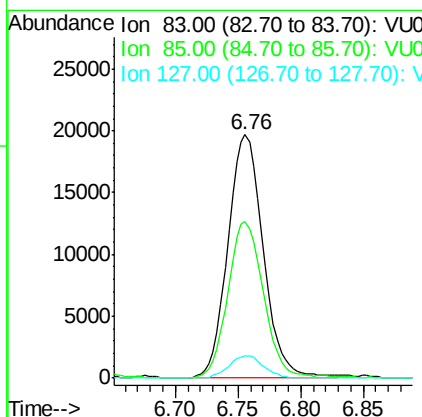
MMDadoda

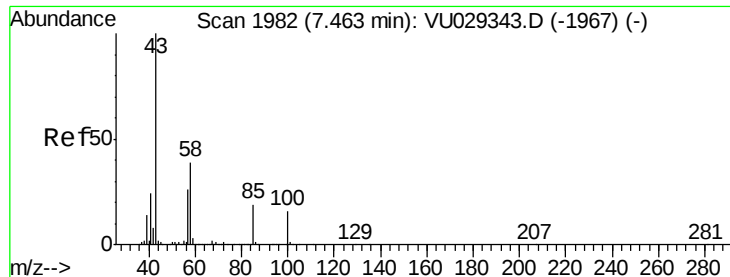
2/18/2019 12:15:50 PM



#44
Bromodichloromethane
Concen: 1.849 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.2	73.8
127	8.9	7.0	10.6





#45
4-Methyl-2-Pentanone
Concen: 8.120 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

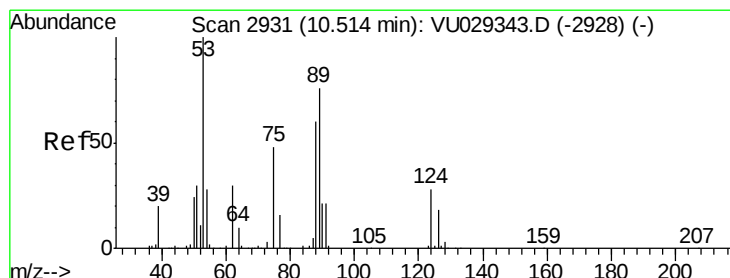
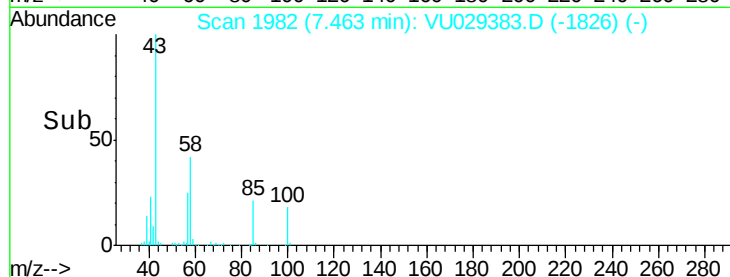
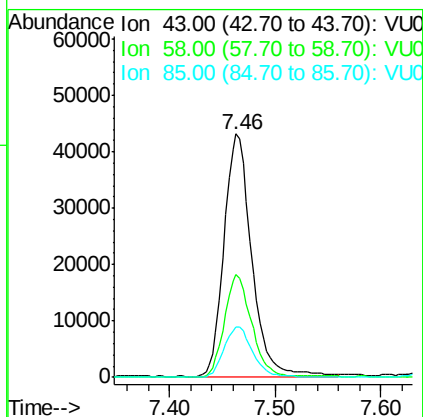
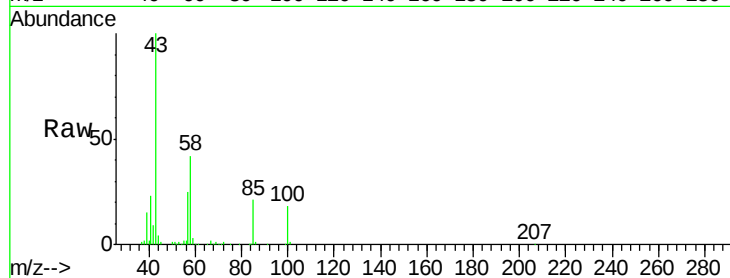
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	17.6	52.8
85	21.4	12.3	18.5#

Manual Integrations
APPROVED

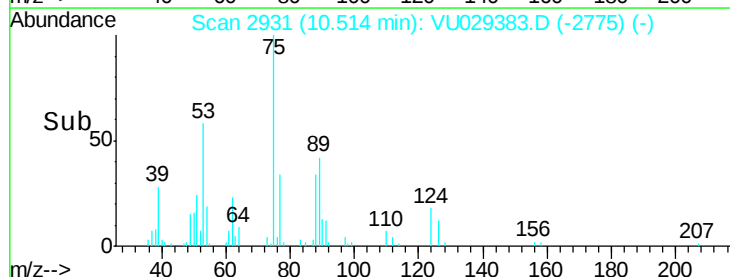
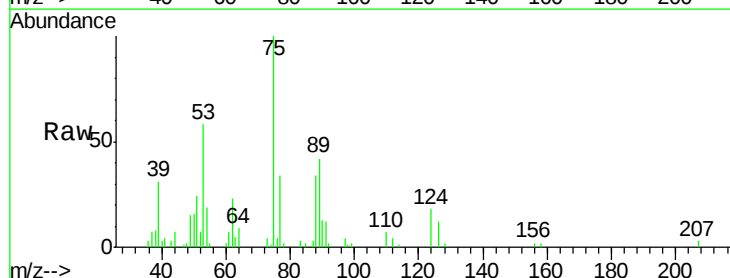
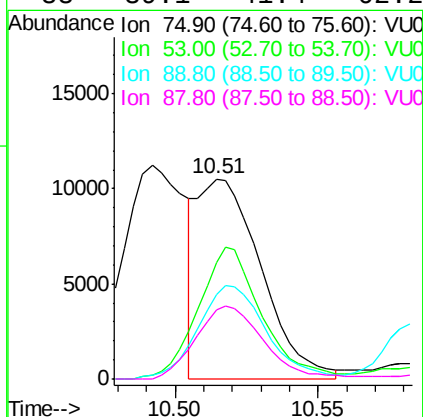
MMDadoda

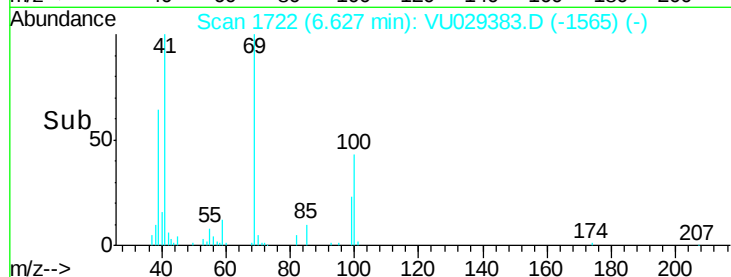
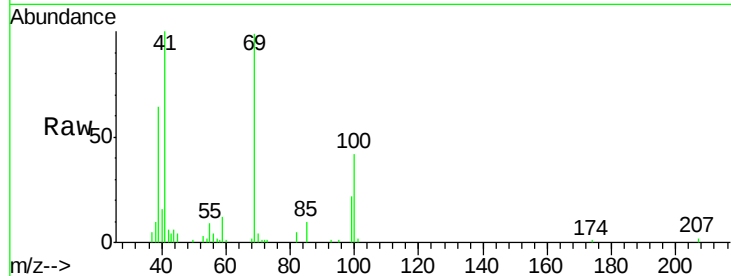
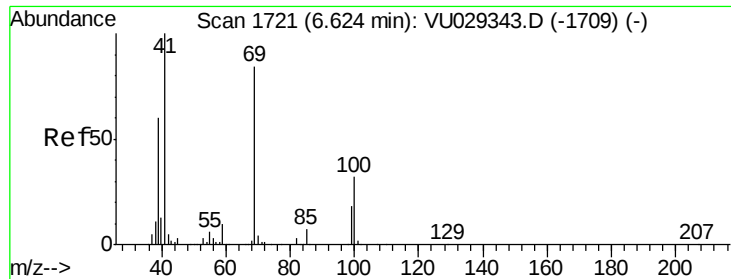
2/18/2019 12:15:50 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.462 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	65.7	78.2	117.4#
89	50.2	44.2	66.4
88	39.1	41.4	62.2#





#47
Methyl methacrylate
Concen: 3.718 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

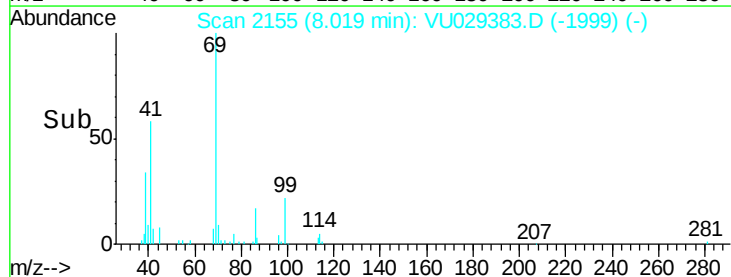
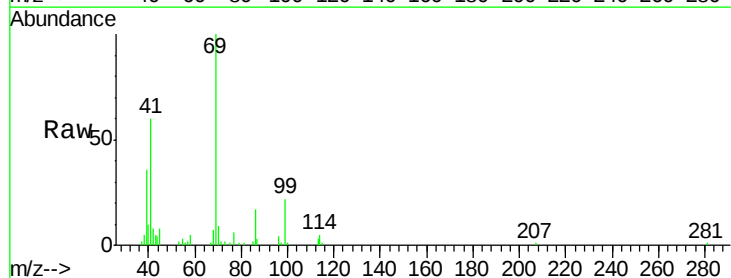
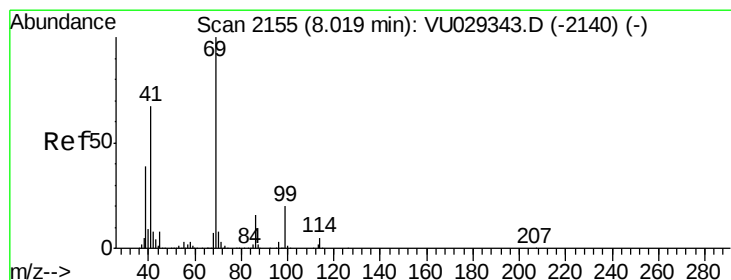
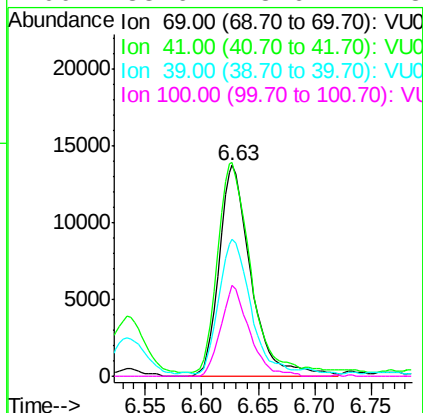
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		26860		
41	100.4	0.0	296.2		
39	63.3	71.2	106.8		
100	38.6	28.6	42.8		

Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Manual Integrations
APPROVED

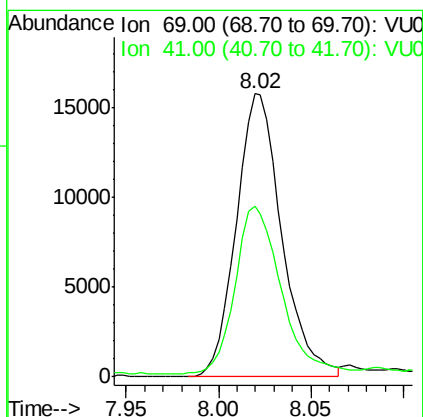
MMDadoda

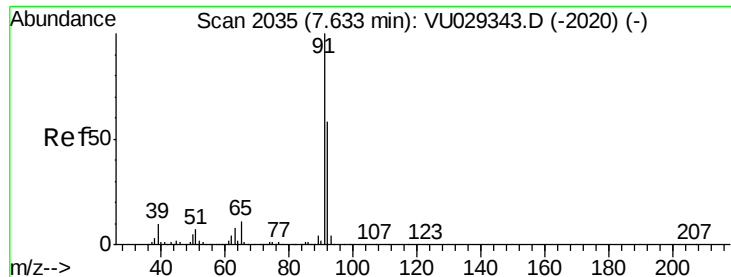
2/18/2019 12:15:50 PM



#48
Ethyl methacrylate
Concen: 1.742 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		26996		
41	59.8	39.9	119.7		





#49

Toluene

Concen: 1.911 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 92 Resp: 72408

Ion Ratio Lower Upper

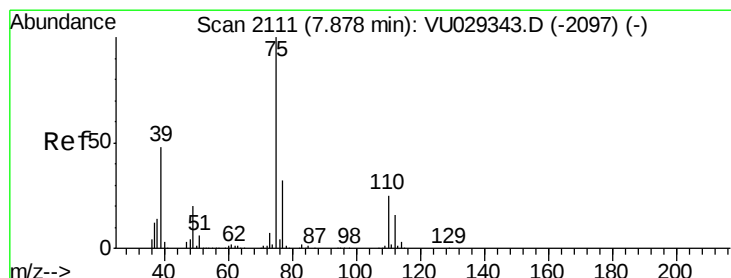
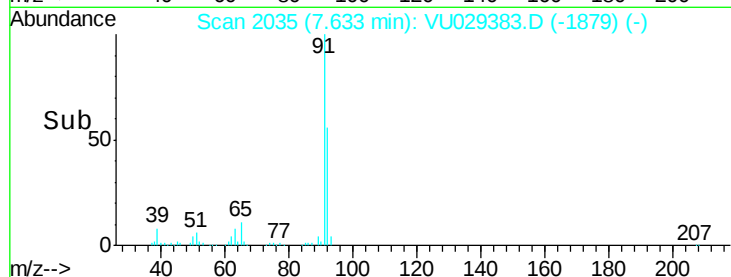
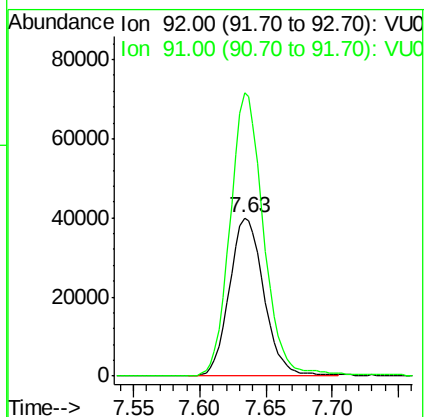
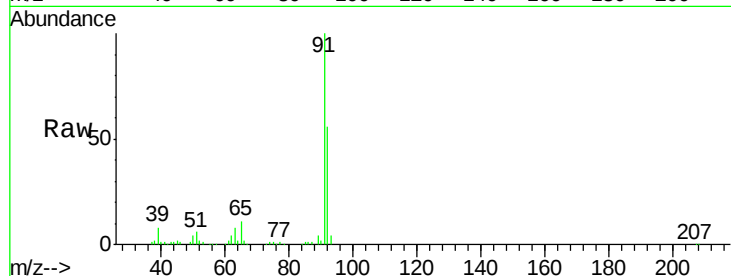
92 100

91 174.2 140.7 211.1

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 1.767 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029383.D

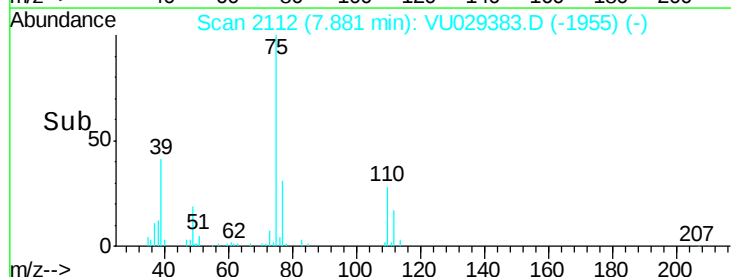
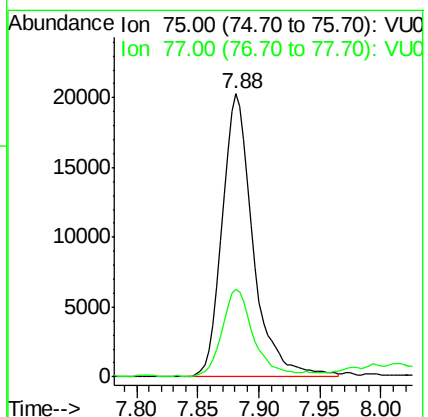
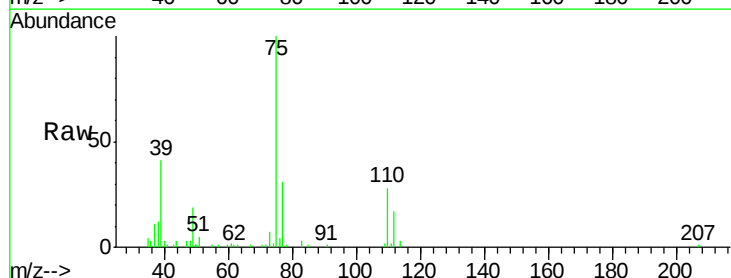
Acq: 08 Feb 2019 17:19

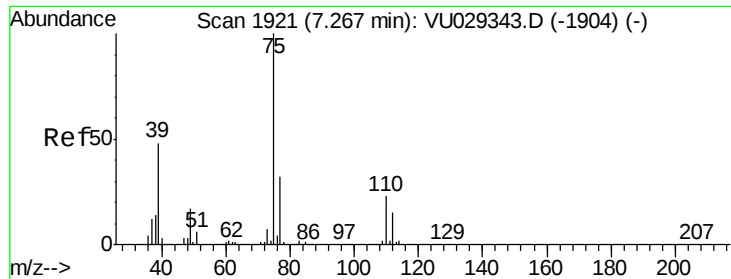
Tgt Ion: 75 Resp: 36230

Ion Ratio Lower Upper

75 100

77 30.9 23.6 35.4





#51

cis-1,3-Dichloropropene

Concen: 1.781 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

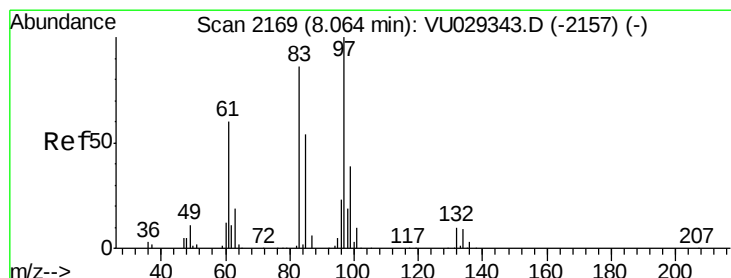
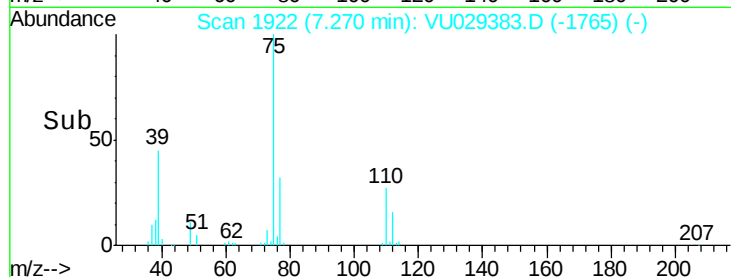
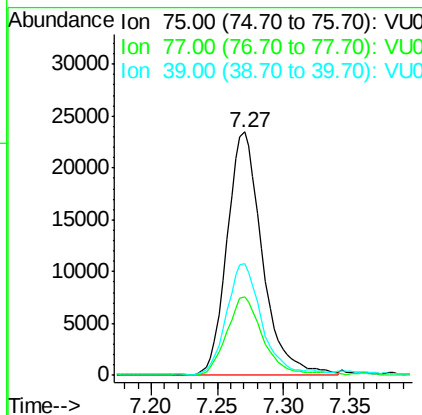
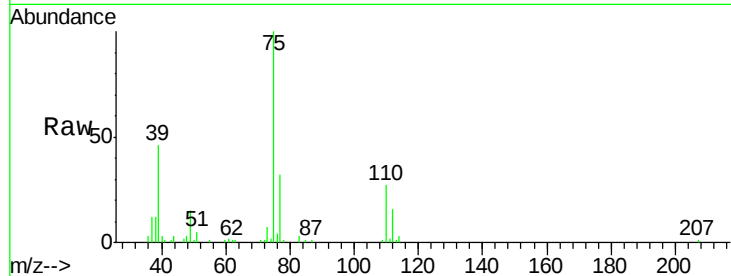
VU0208WBS01

Tot Ion:	75	Resp:	43394
Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.9	37.3
39	45.7	47.2	70.8#

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 2.012 ug/l

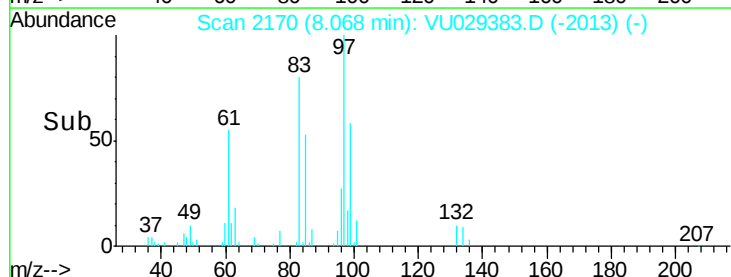
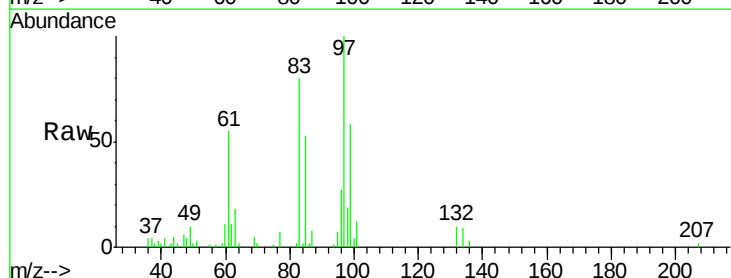
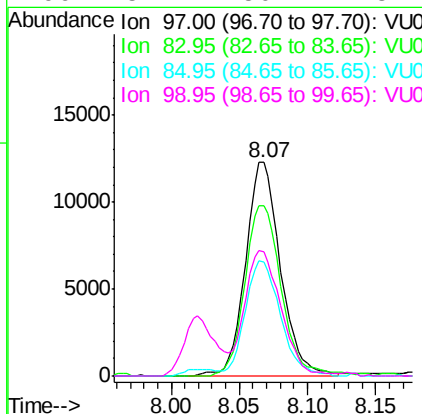
RT: 8.07 min Scan# 2170

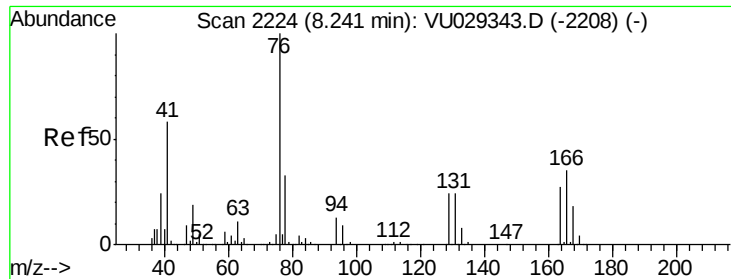
Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion:	97	Resp:	21868
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.9	104.9
85	53.2	45.8	68.6
99	57.2	50.2	75.2





#53
 1,3-Dichloropropane
 Concen: 1.864 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

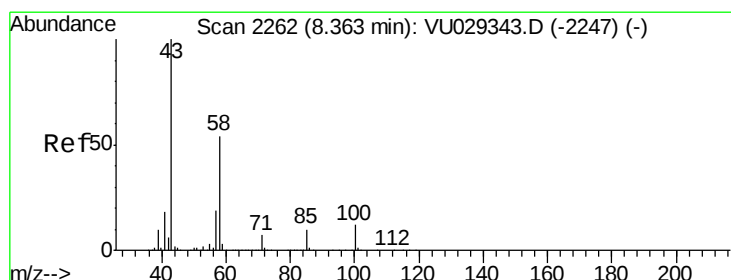
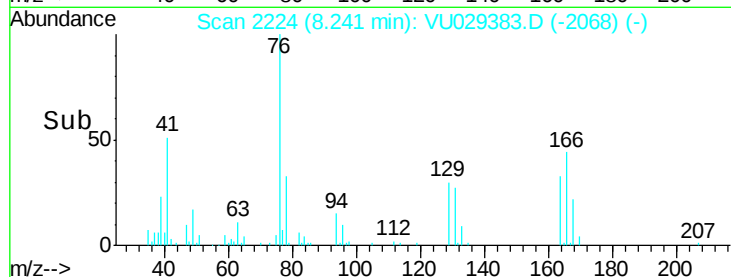
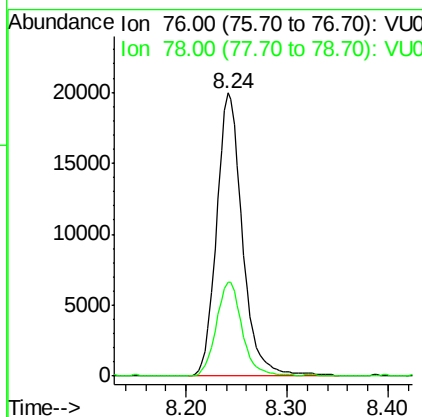
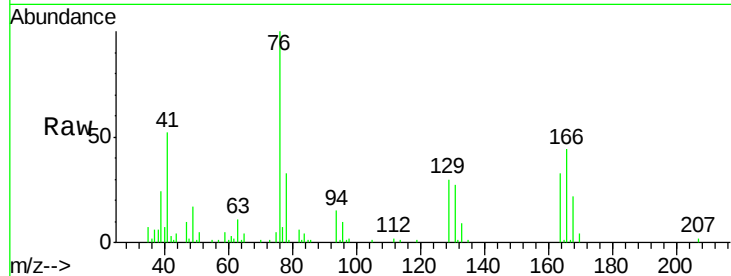
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.3	39.5

Manual Integrations
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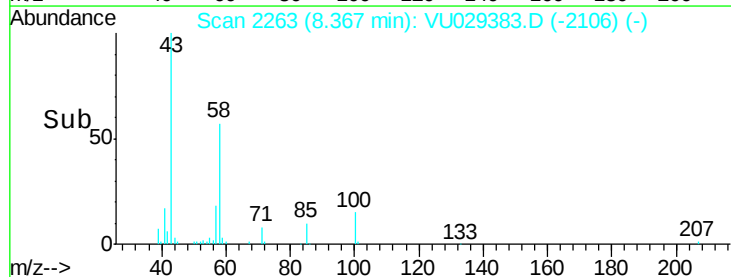
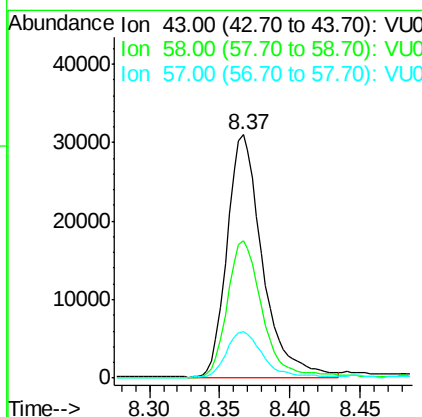
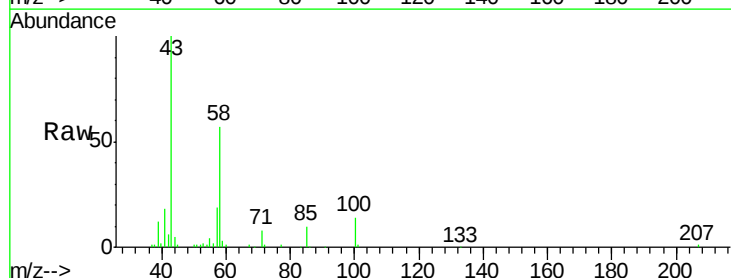
MMDadoda

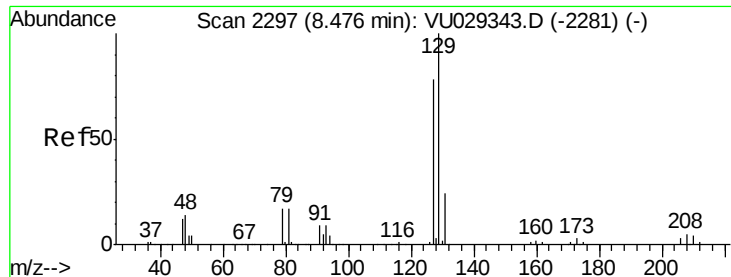
2/18/2019 12:15:50 PM



#54
 2-Hexanone
 Concen: 8.043 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.1	26.0	66.0
57	20.5	0.0	37.7





#55

Dibromochloromethane

Concen: 1.897 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion:129 Resp: 29304

Ion Ratio Lower Upper

129 100

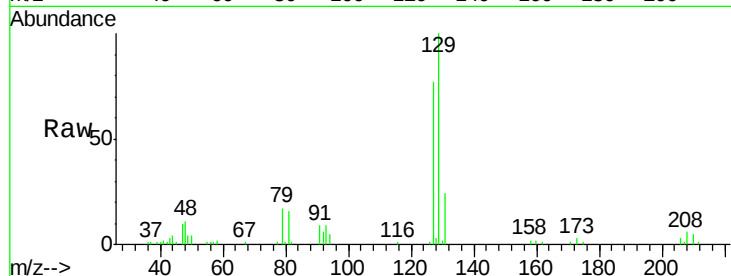
127 76.2 60.5 90.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

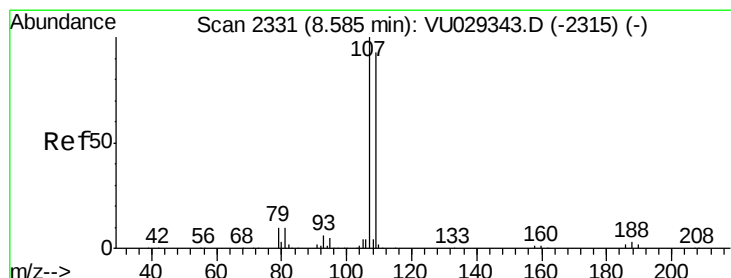
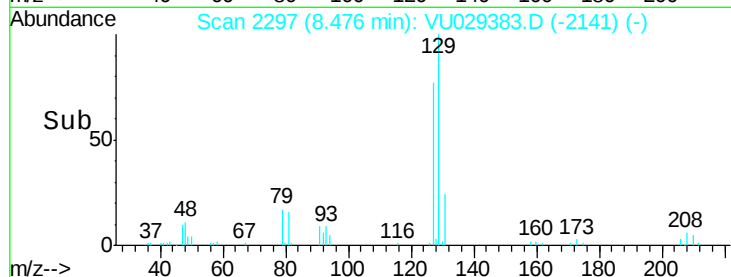
15000

10000

5000

0

Time--> 8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 1.913 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029383.D

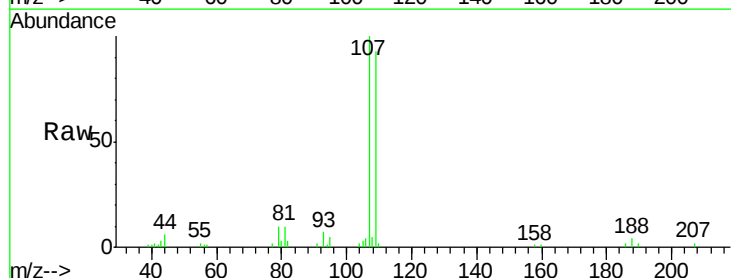
Acq: 08 Feb 2019 17:19

Tgt Ion:107 Resp: 21332

Ion Ratio Lower Upper

107 100

109 94.7 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

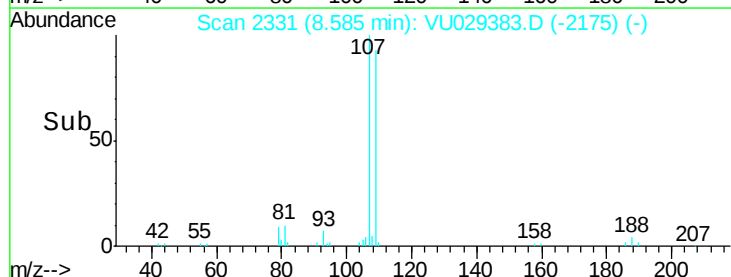
8.59

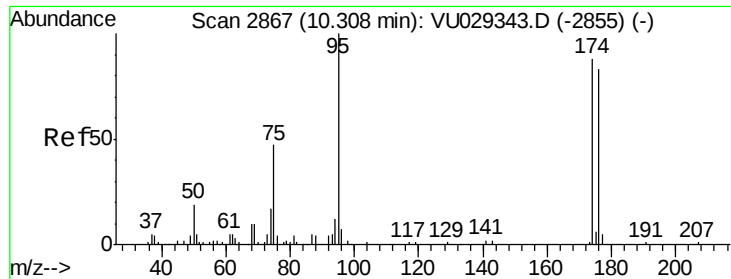
10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70





#57
4-Bromofluorobenzene
Concen: 1.913 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

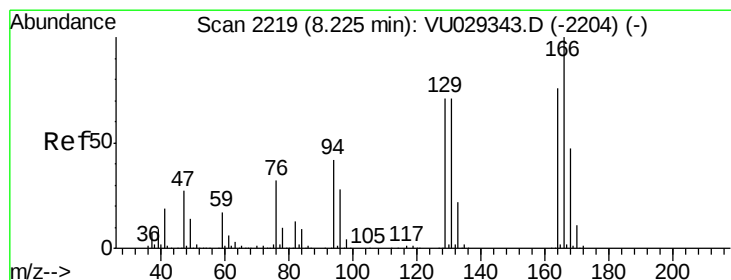
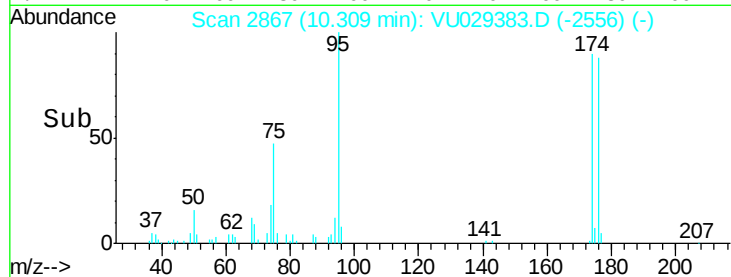
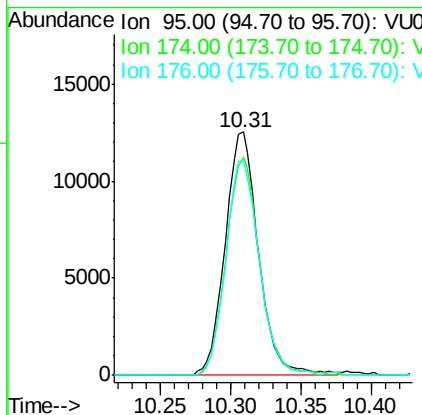
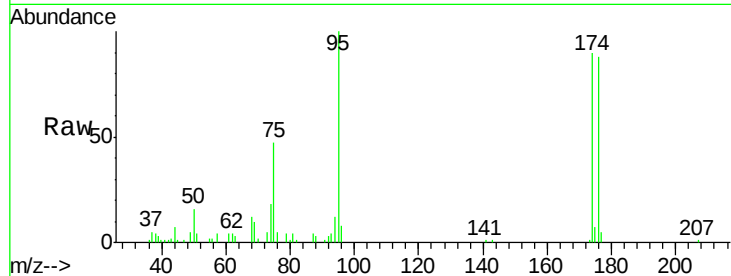
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.8	64.2	96.2
176	88.3	62.3	93.5

Manual Integrations
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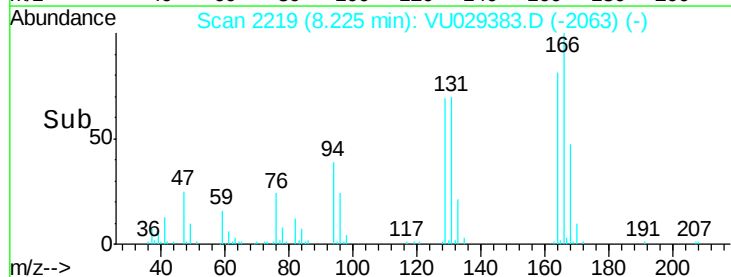
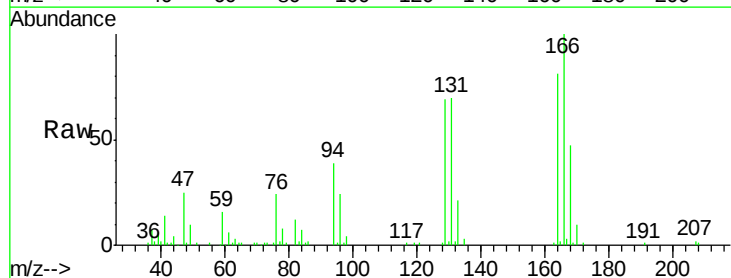
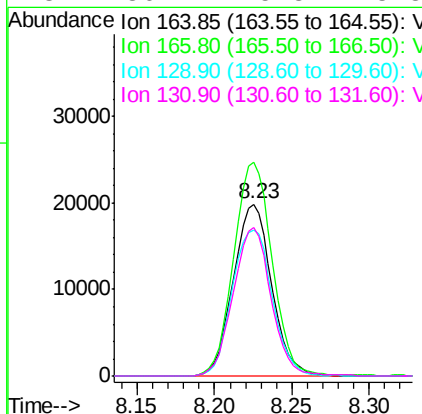
MMDadoda

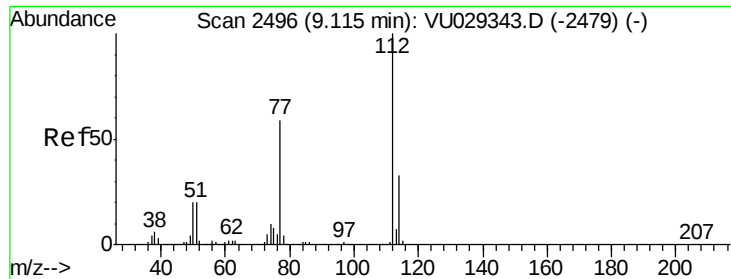
2/18/2019 12:15:50 PM



#58
Tetrachloroethene
Concen: 2.152 ug/l
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	106.6	159.8
129	85.2	79.9	119.9
131	86.4	75.8	113.8





#59
Chlorobenzene
Concen: 1.981 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

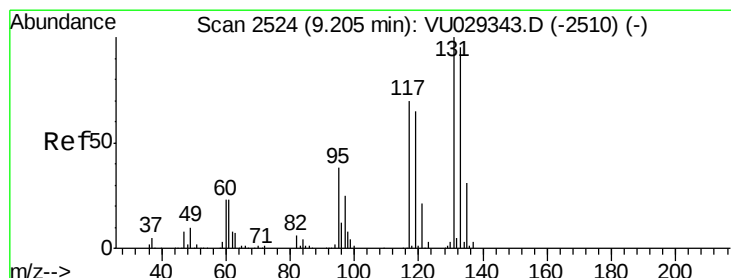
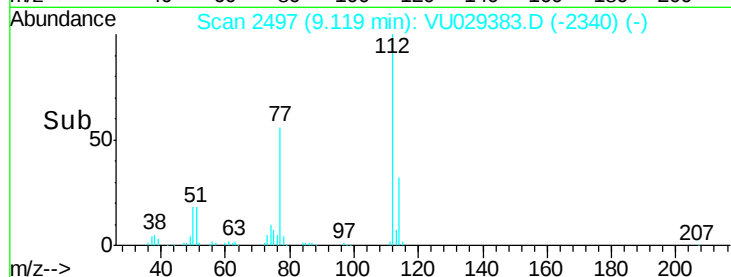
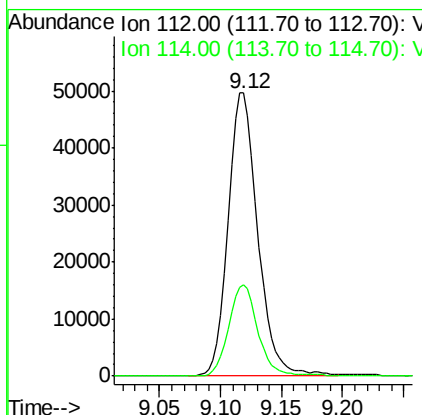
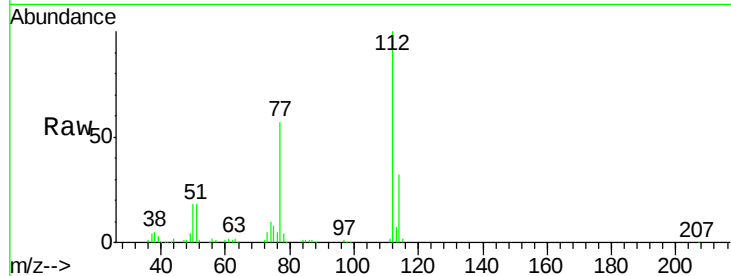
Instrument :
MSVOA_U
ClientSampled :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.4

Manual Integrations
APPROVED

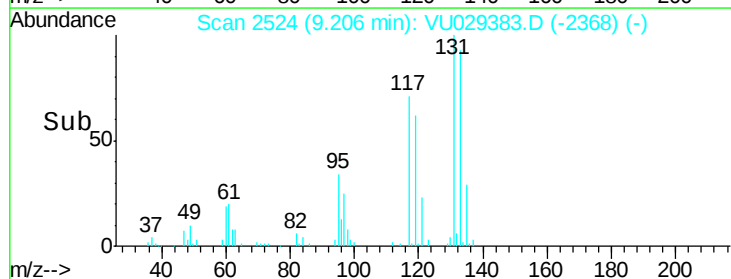
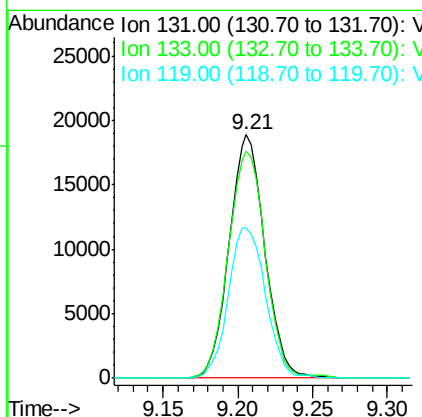
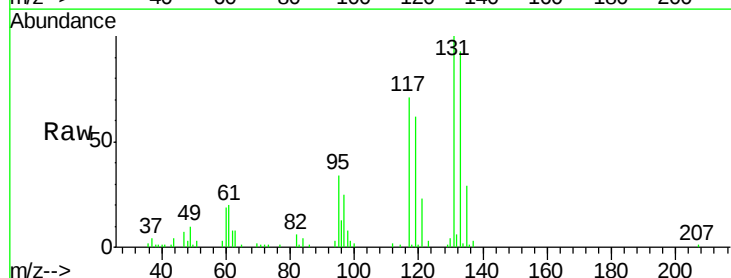
MMDadoda

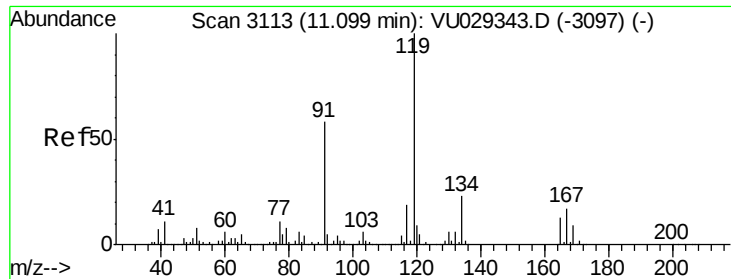
2/18/2019 12:15:50 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.978 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	77.3	115.9
119	64.8	48.9	73.3





#61
 Pentachloroethane
 Concen: 1.892 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

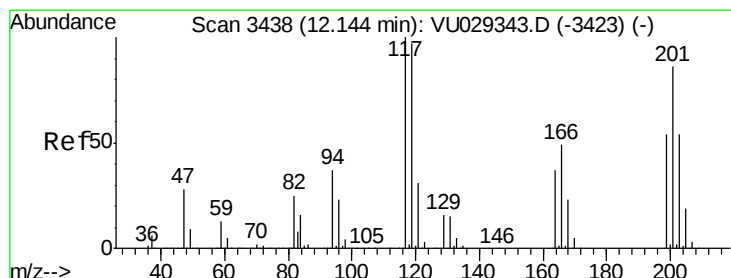
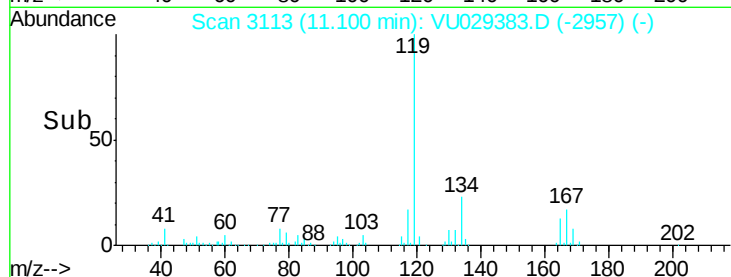
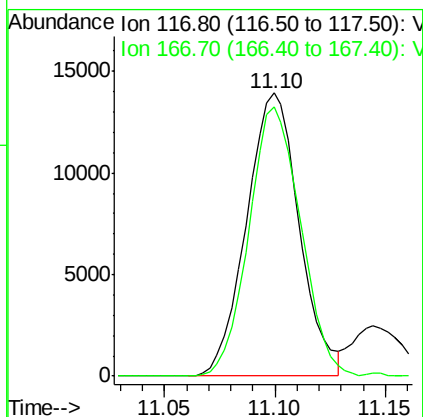
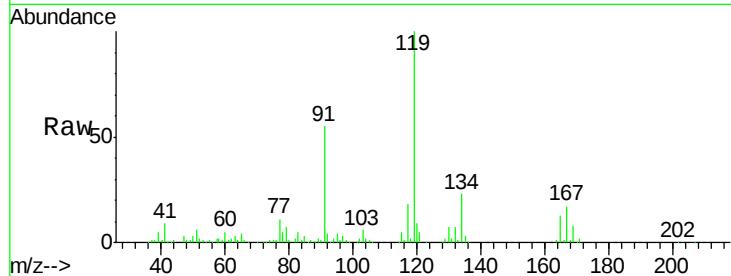
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
167	93.4	65.9	98.9

Manual Integrations
 APPROVED

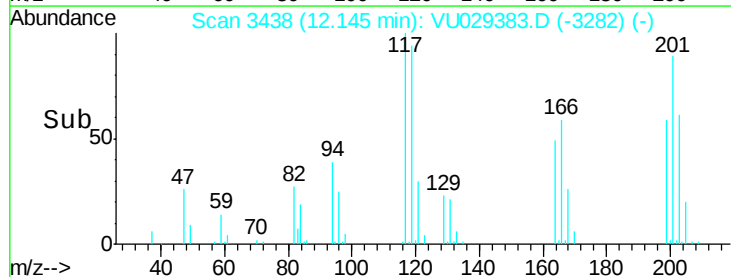
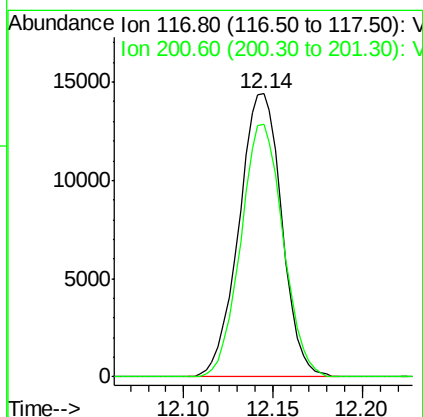
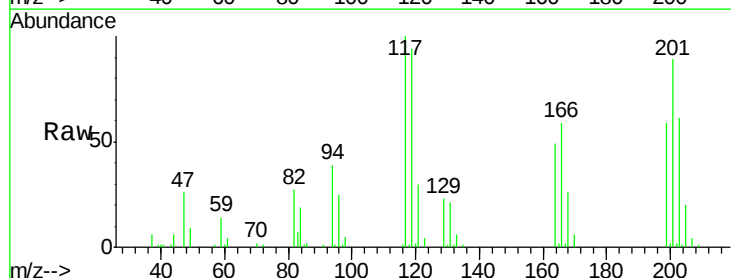
MMDadoda

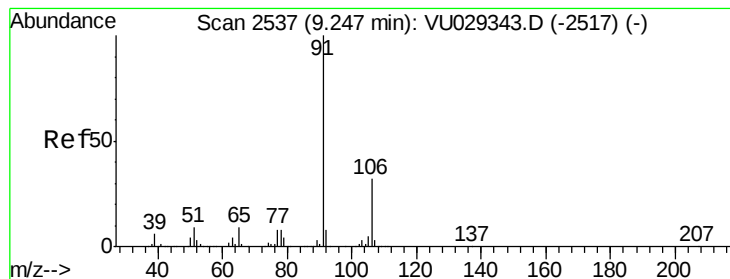
2/18/2019 12:15:50 PM



#62
 Hexachloroethane
 Concen: 1.806 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	68.2	102.2





#63

Ethyl Benzene

Concen: 1.910 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampled :

VU0208WBS01

Tot Ion: 91 Resp: 141636

Ion Ratio Lower Upper

91 100

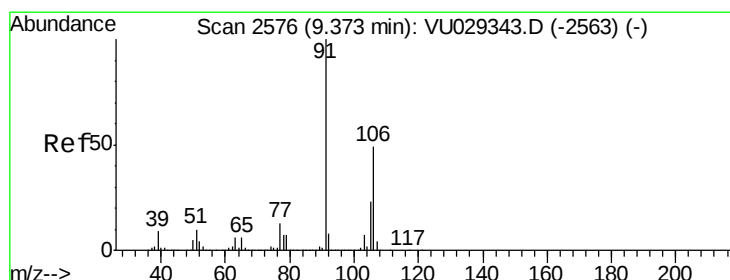
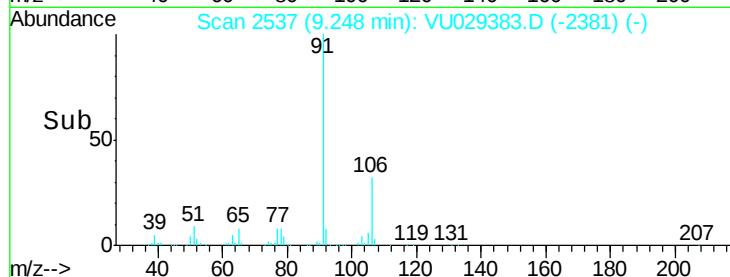
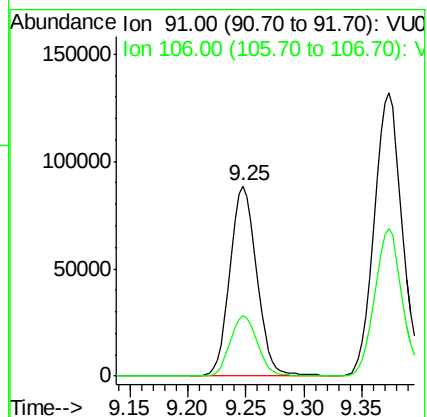
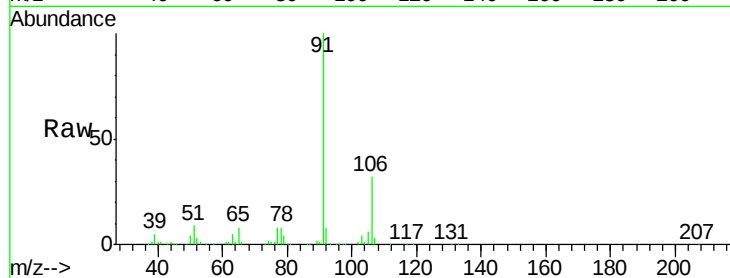
106 31.8 23.8 35.6

Manual Integrations

APPROVED

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#64

m/p-Xylenes

Concen: 3.938 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029383.D

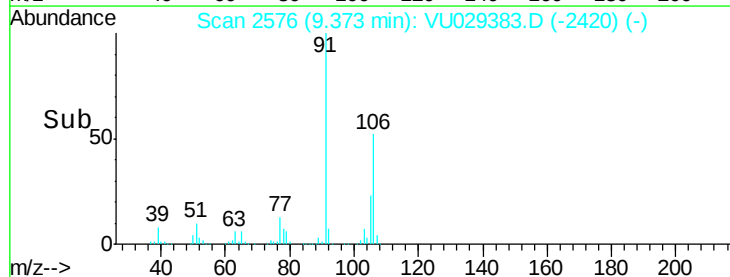
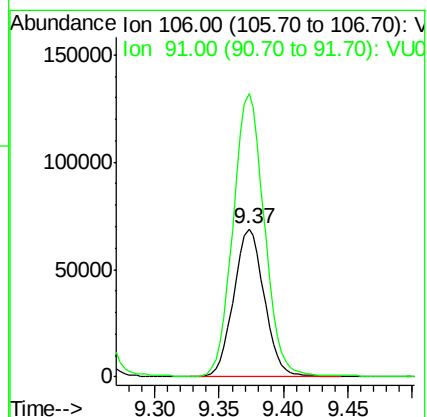
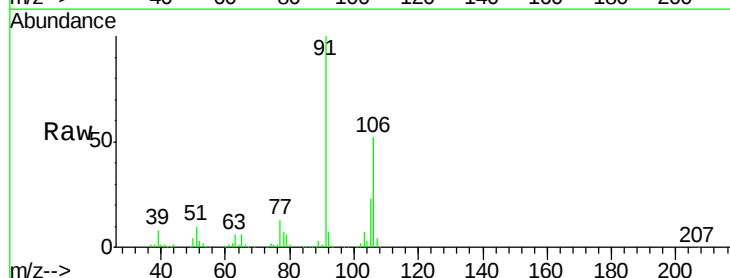
Acq: 08 Feb 2019 17:19

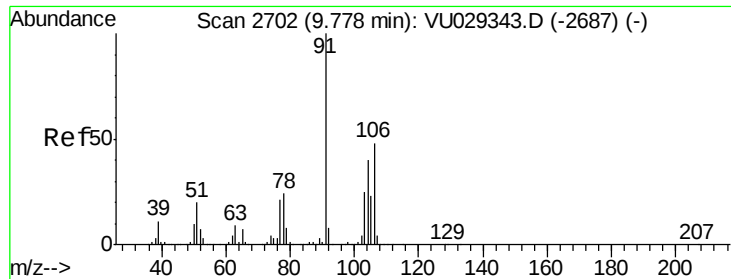
Tgt Ion: 106 Resp: 113475

Ion Ratio Lower Upper

106 100

91 195.8 174.6 261.8





#65
o-Xylene
Concen: 1.975 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

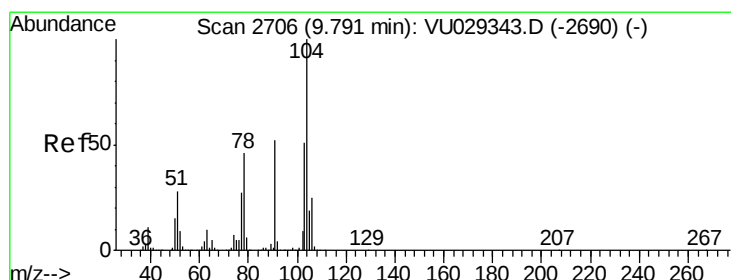
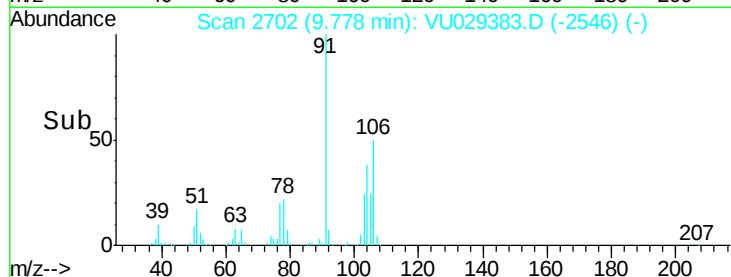
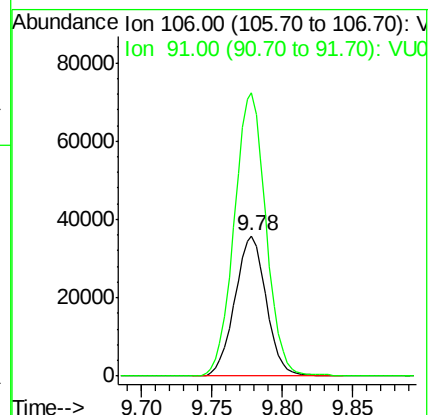
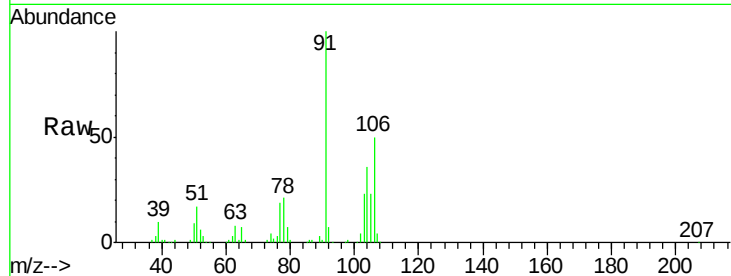
Instrument :
MSVOA_U
ClientSampled :
VU0208WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.4	114.5	55859	343.4	

Manual Integrations
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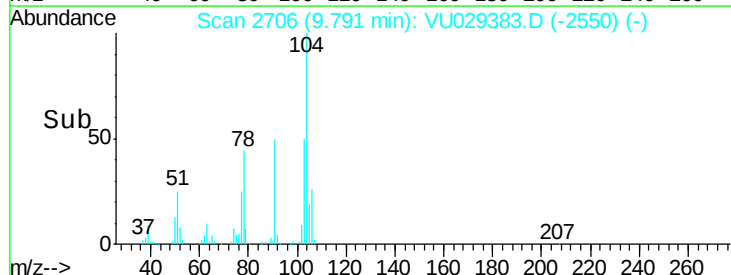
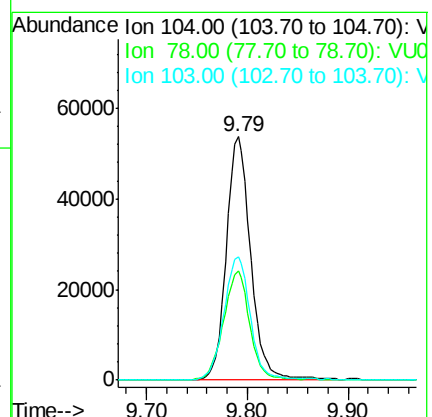
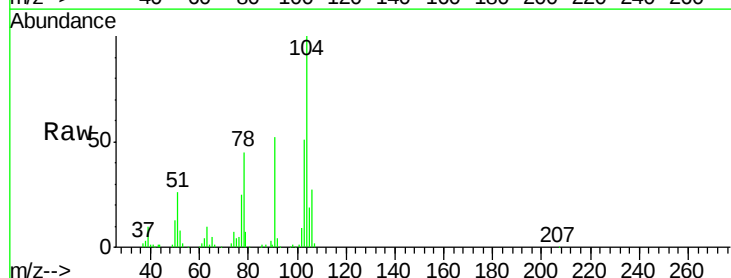
MMDadoda

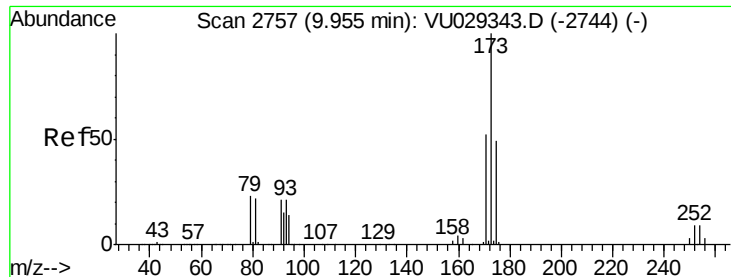
2/18/2019 12:15:50 PM



#66
Styrene
Concen: 1.937 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.9	46.5	91340	69.7	
103	54.2	44.7		67.1	





#67

Bromoform

Concen: 1.891 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

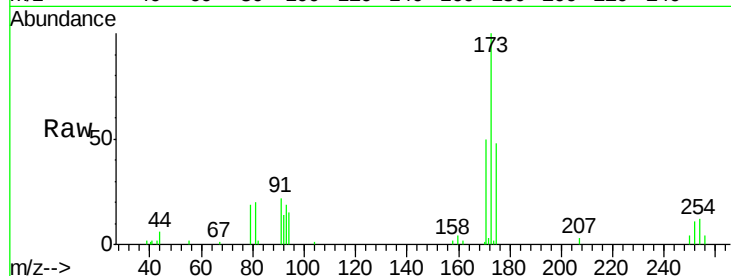
VU0208WBS01

Tot Ion:	173	Resp:	18179
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.9	58.3
254	10.3	7.4	11.2

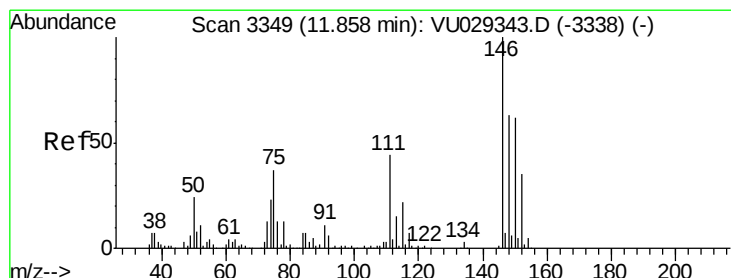
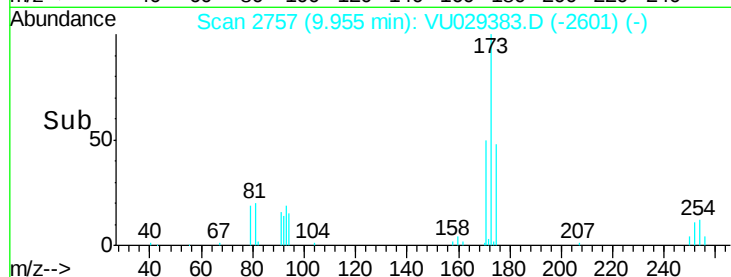
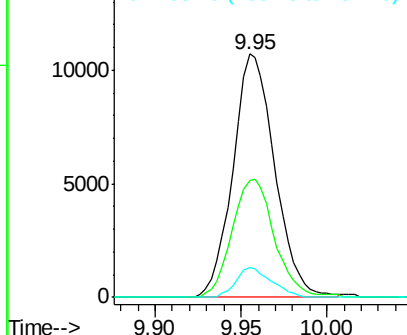
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.891 ug/l

RT: 11.86 min Scan# 3349

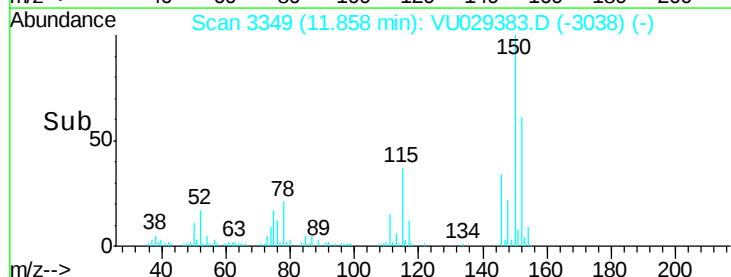
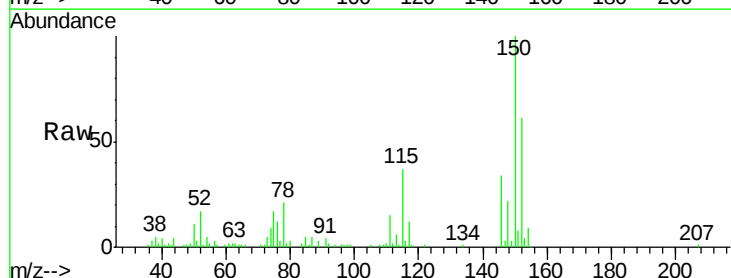
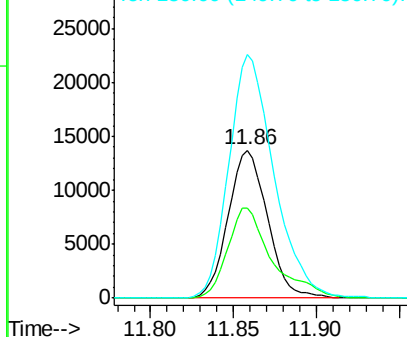
Delta R.T. 0.00 min

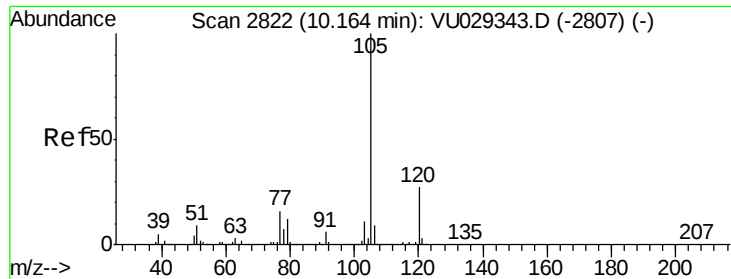
Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion:	152	Resp:	22644
Ion Ratio	Lower	Upper	
152	100		
115	68.6	0.0	133.4
150	188.9	0.0	670.8

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.942 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampled :

VU0208WBS01

Tot Ion: 105 Resp: 146748

Ion Ratio Lower Upper

105 100

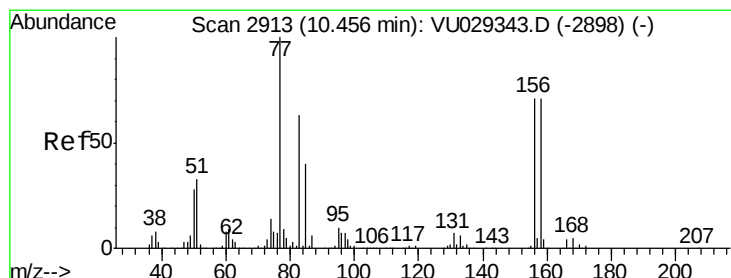
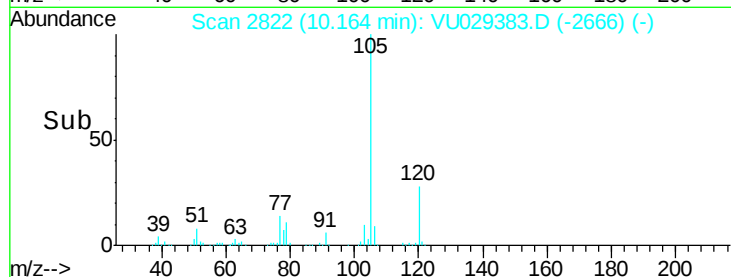
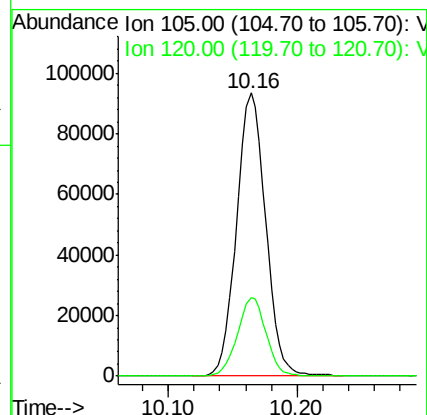
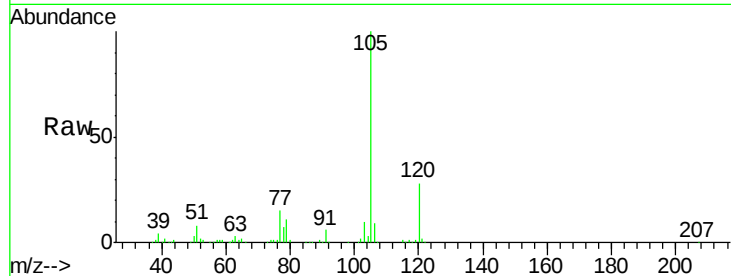
120 27.3 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.893 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

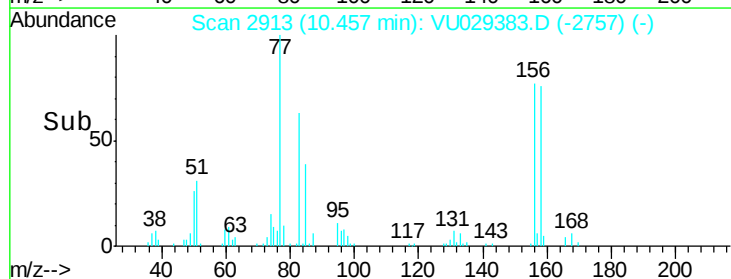
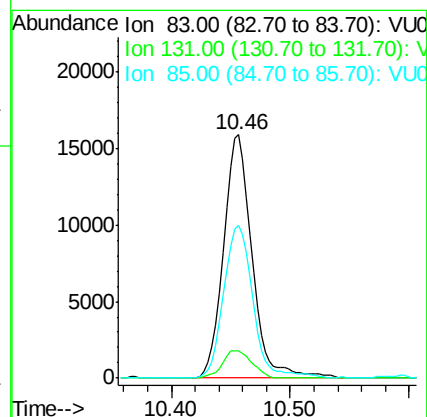
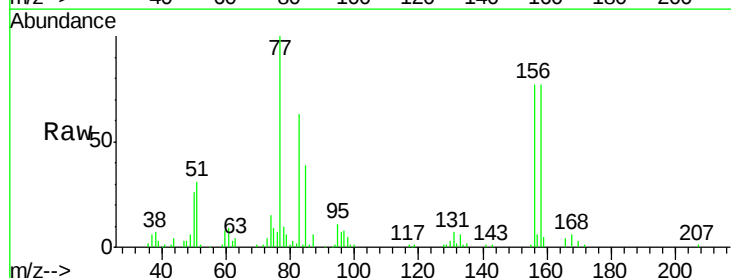
Tgt Ion: 83 Resp: 26372

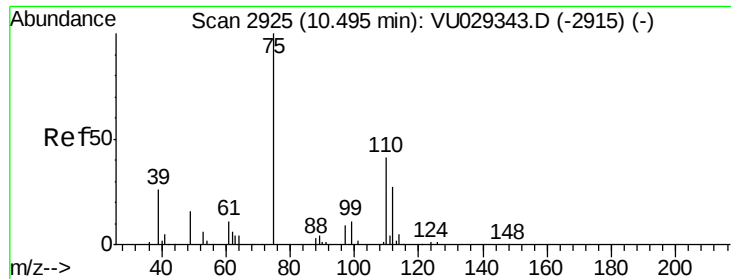
Ion Ratio Lower Upper

83 100

131 11.8 8.1 12.1

85 64.9 50.3 75.5





#71
1,2,3-Trichloropropane
Concen: 1.812 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

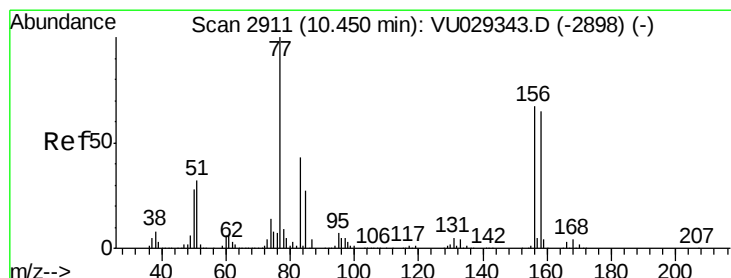
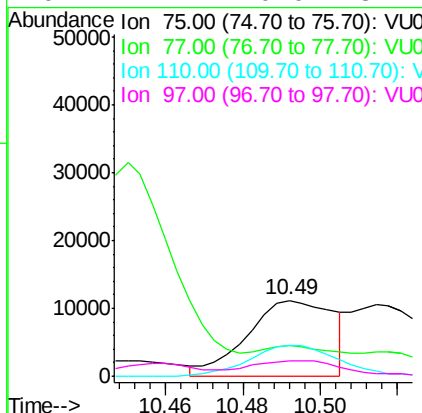
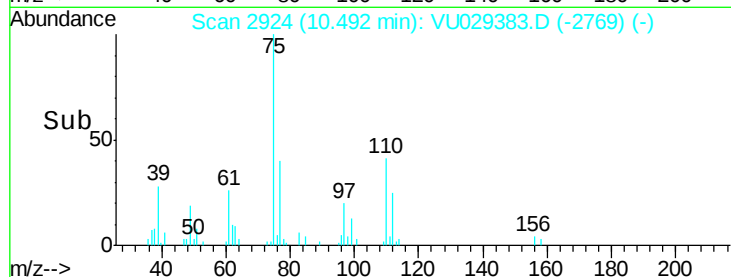
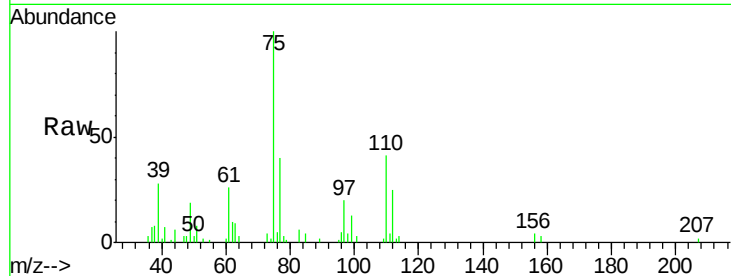
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	75	Resp	17331
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	43.3	0.0	63.6
97	21.2	0.0	31.4

Manual Integrations
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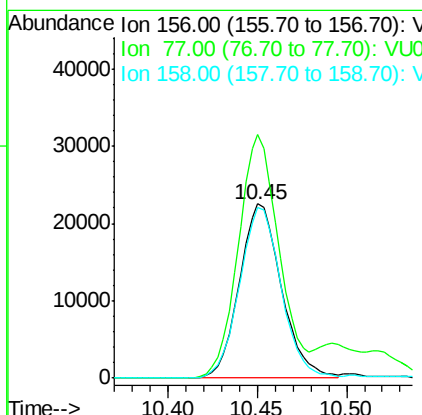
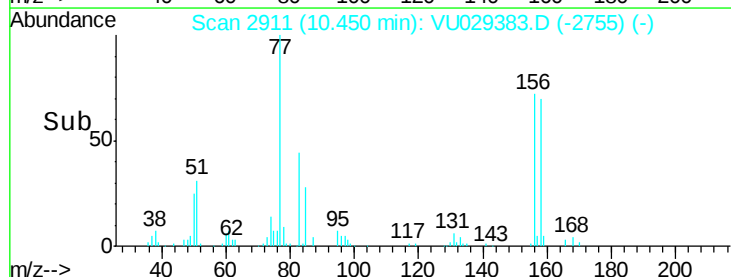
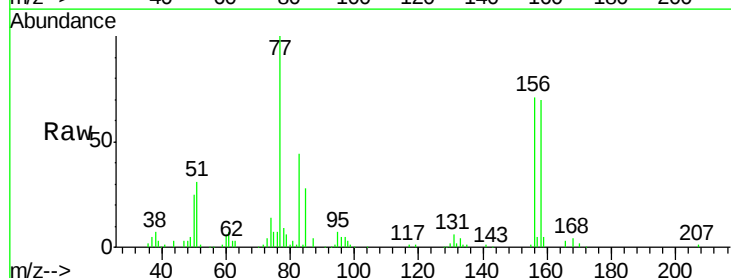
MMDadoda

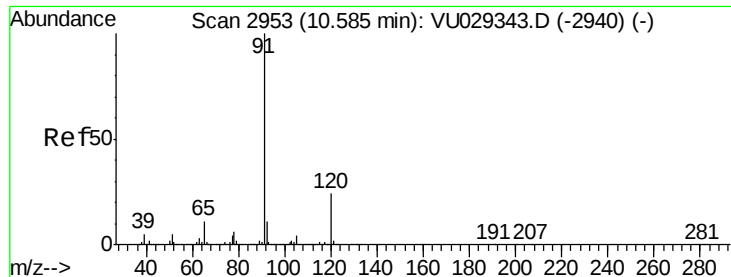
2/18/2019 12:15:50 PM



#72
Bromobenzene
Concen: 2.026 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	156	Resp	37103
Ion Ratio	Lower	Upper	
156	100		
77	135.3	0.0	343.8
158	97.0	0.0	195.0





#73

n-propylbenzene

Concen: 2.037 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion:120 Resp: 42871

Ion Ratio Lower Upper

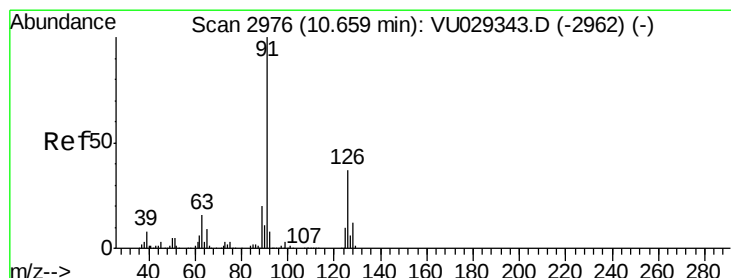
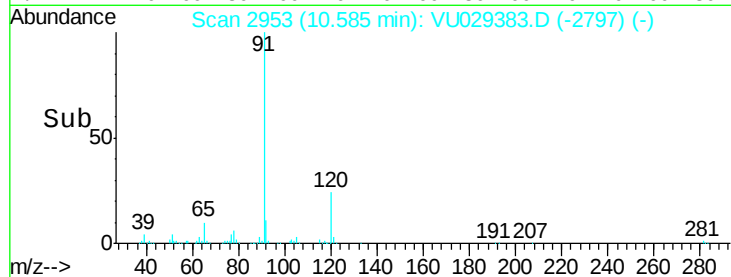
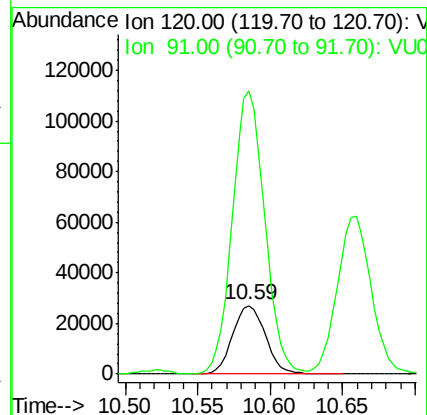
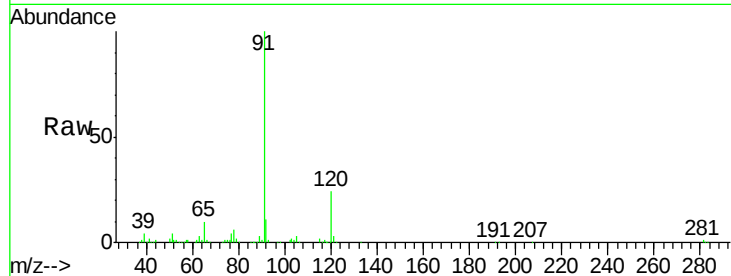
120 100

91 401.3 370.0 555.0

Manual Integrations
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#74

2-Chlorotoluene

Concen: 2.052 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029383.D

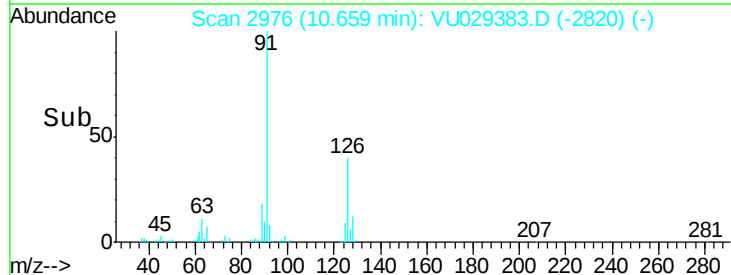
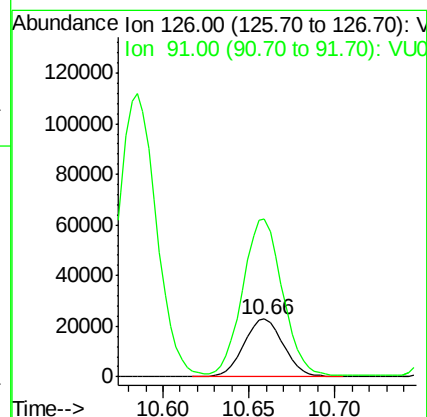
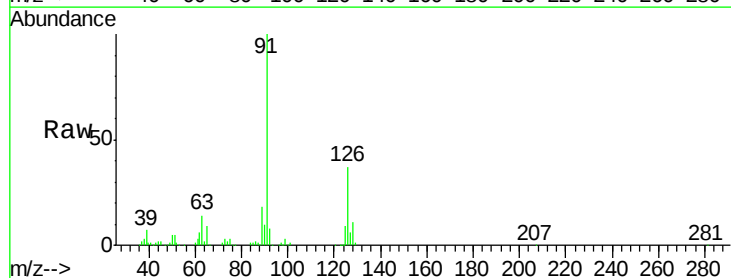
Acq: 08 Feb 2019 17:19

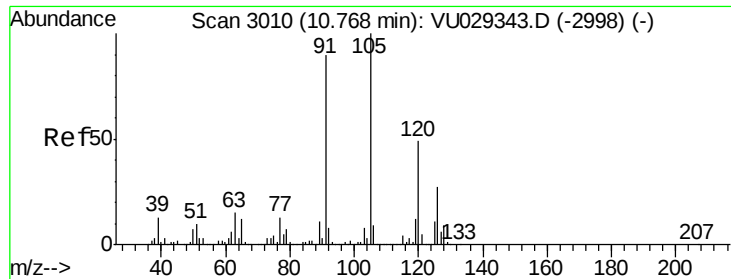
Tgt Ion:126 Resp: 36768

Ion Ratio Lower Upper

126 100

91 275.3 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 1.902 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion:105 Resp: 123909

Ion Ratio Lower Upper

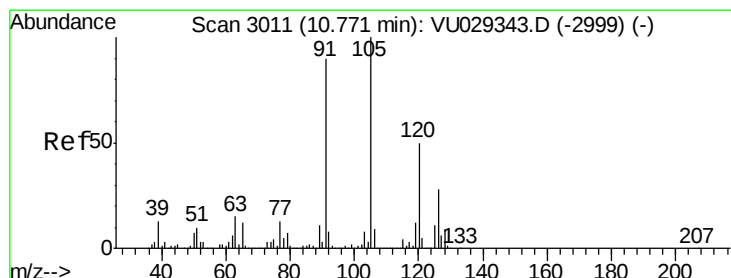
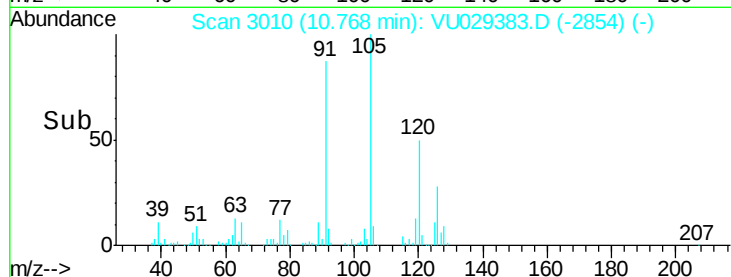
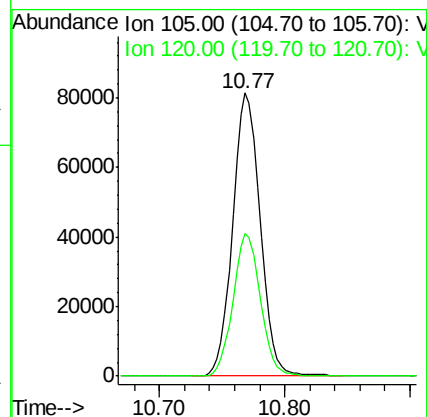
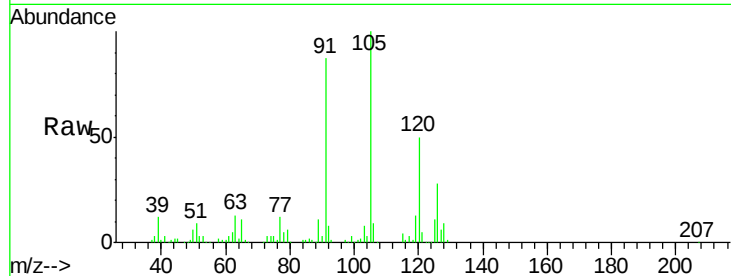
105 100

120 50.1 37.3 55.9

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#76

4-Chlorotoluene

Concen: 2.046 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029383.D

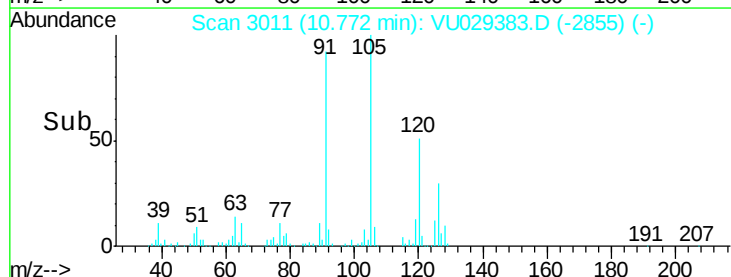
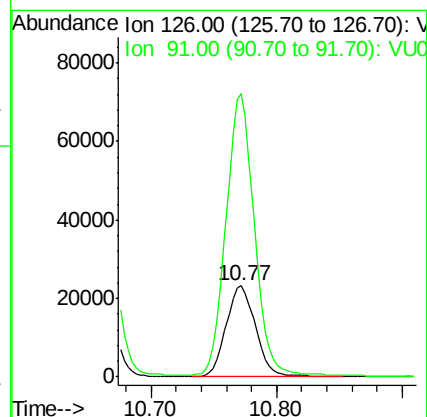
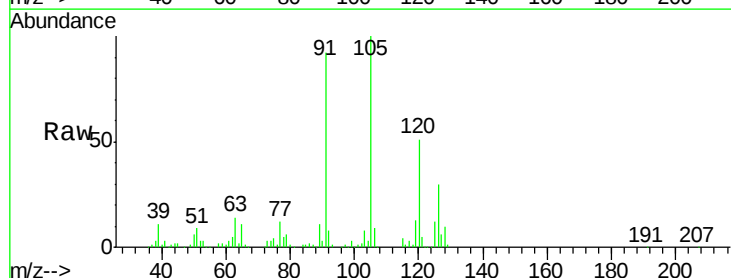
Acq: 08 Feb 2019 17:19

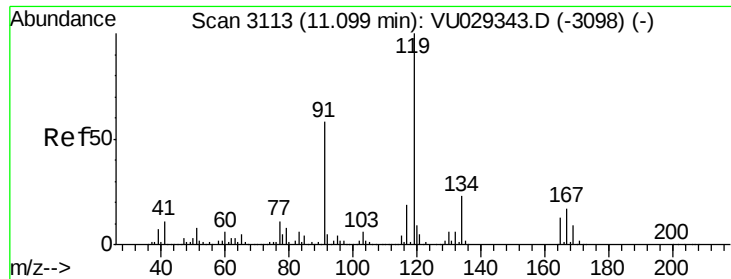
Tgt Ion:126 Resp: 38061

Ion Ratio Lower Upper

126 100

91 298.7 0.0 727.4





#77
tert-Butylbenzene
Concen: 1.984 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

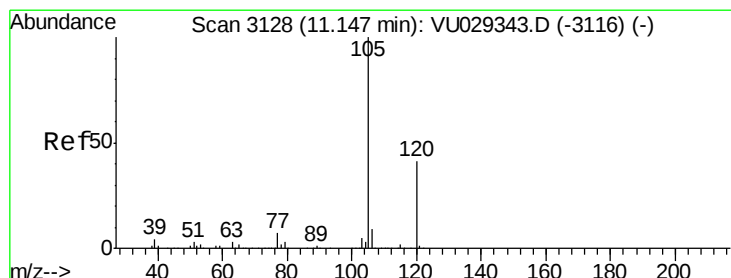
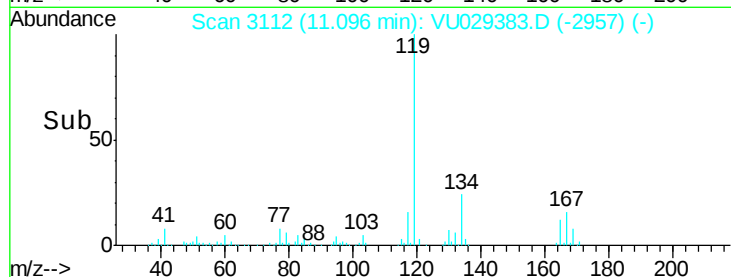
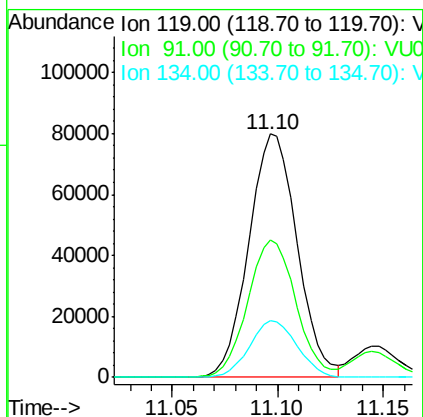
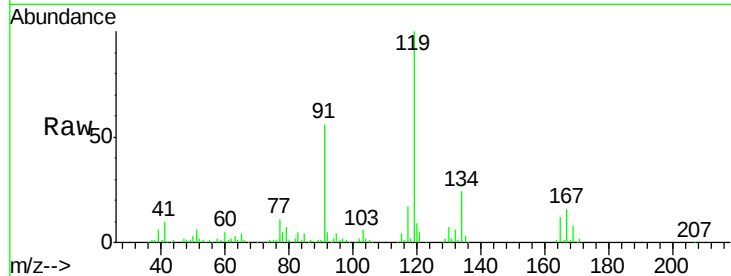
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	32.2	96.6
134	22.8	17.6	26.4

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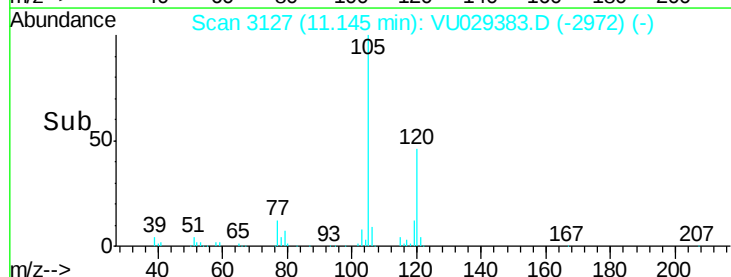
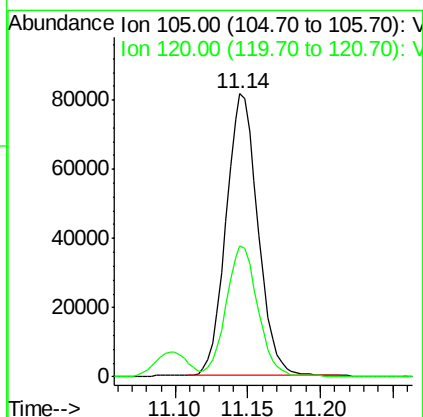
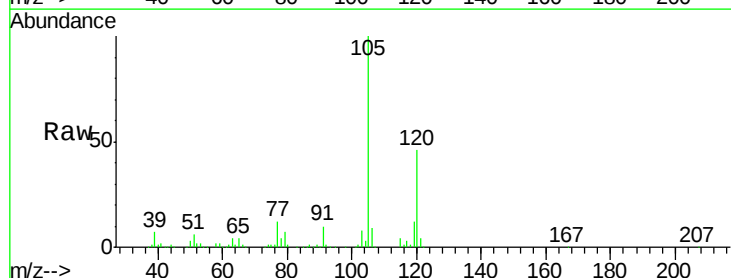
MMDadoda

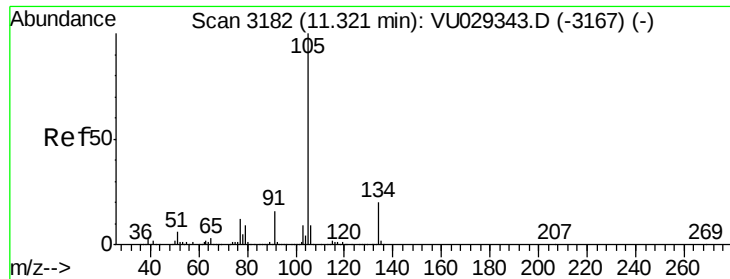
2/18/2019 12:15:50 PM



#78
1,2,4-Trimethylbenzene
Concen: 1.884 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	21.4	64.3





#79

sec-Butylbenzene

Concen: 1.939 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

VU0208WBS01

Tot Ion: 105 Resp: 163369

Ion Ratio Lower Upper

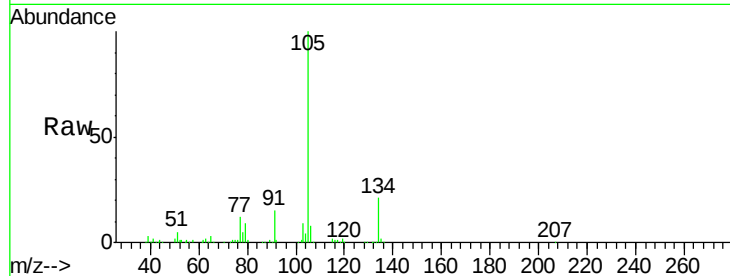
105 100

134 21.1 15.0 22.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

120000

100000

80000

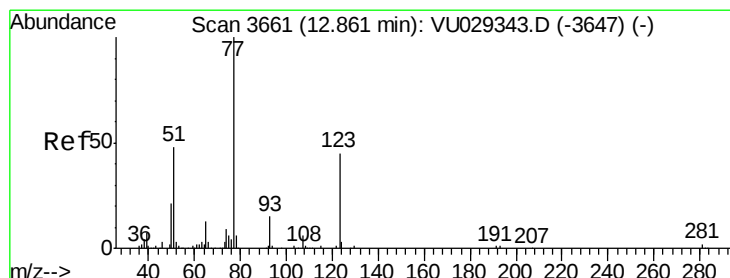
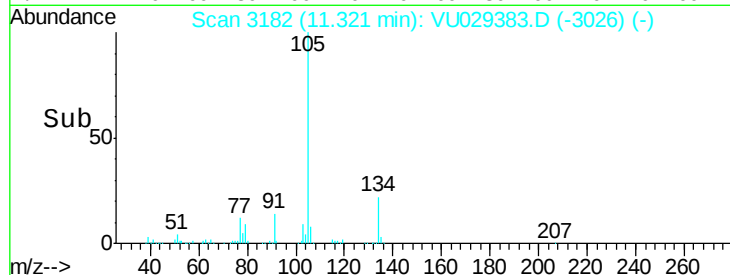
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 4.782 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

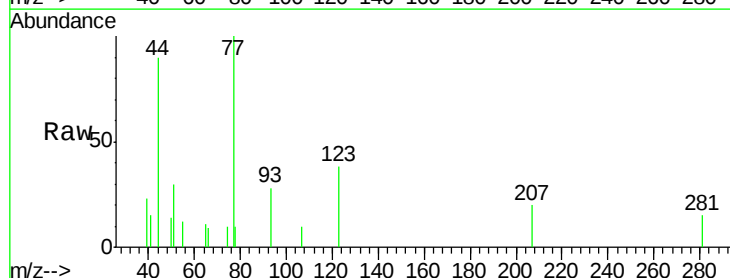
Tgt Ion: 77 Resp: 2968

Ion Ratio Lower Upper

77 100

123 44.1 17.5 61.9

65 8.2 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

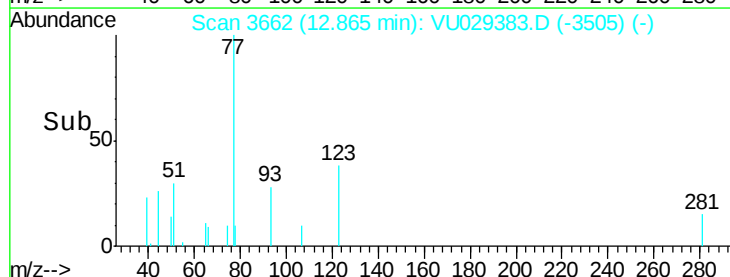
1500

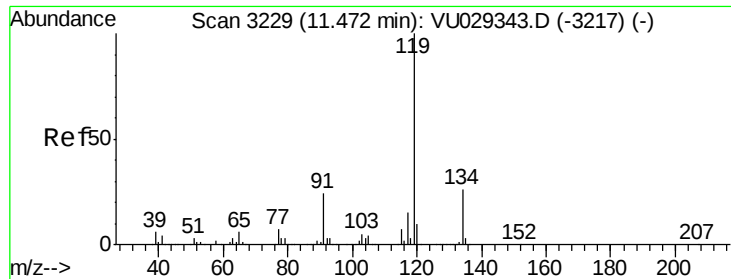
1000

500

0

Time-->





#81
p-Isopropyltoluene
Concen: 1.970 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

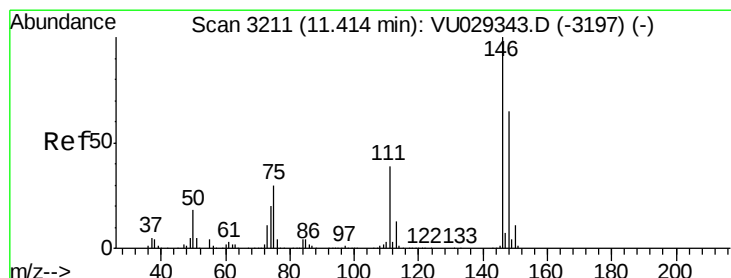
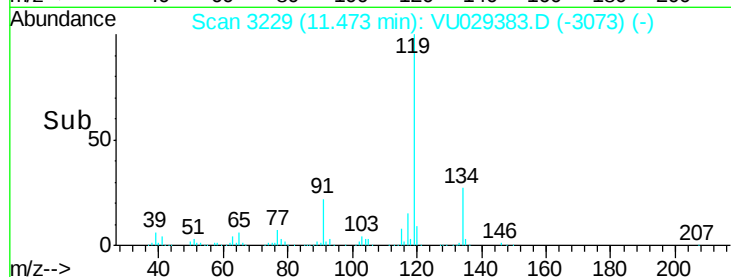
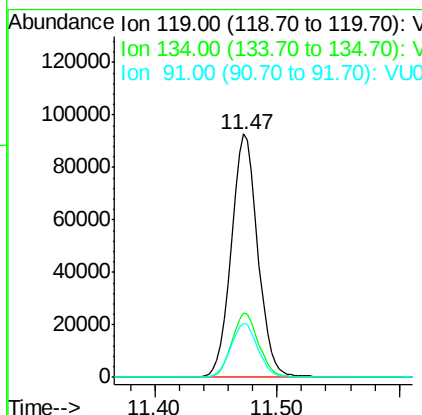
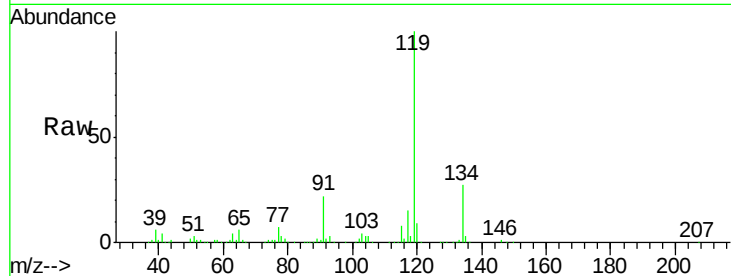
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	19.8	29.6
91	23.2	21.5	32.3

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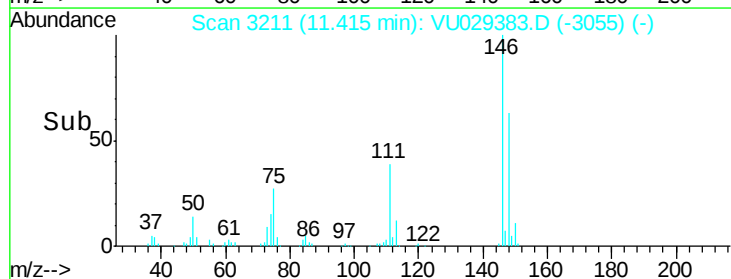
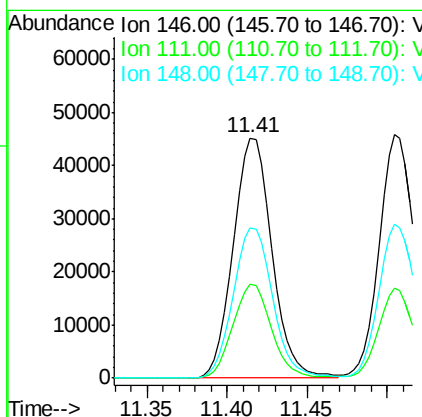
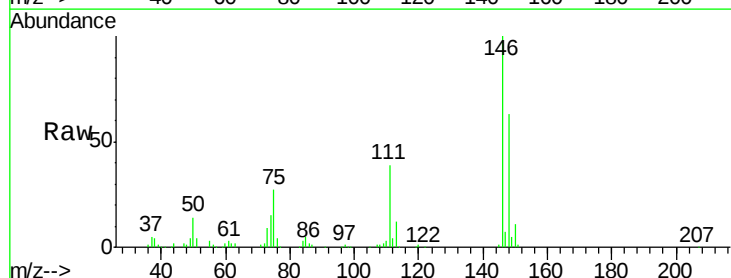
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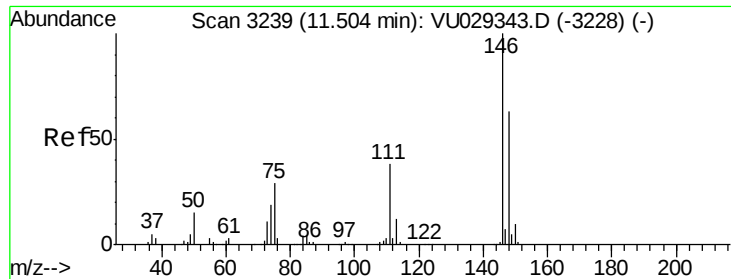
2/18/2019 12:15:50 PM



#82
1,3-Dichlorobenzene
Concen: 2.073 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	34.1	51.1
148	63.9	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 2.030 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

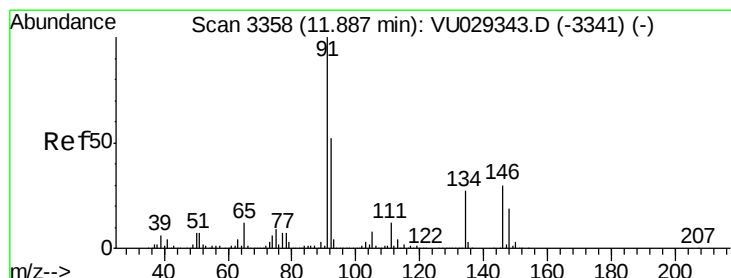
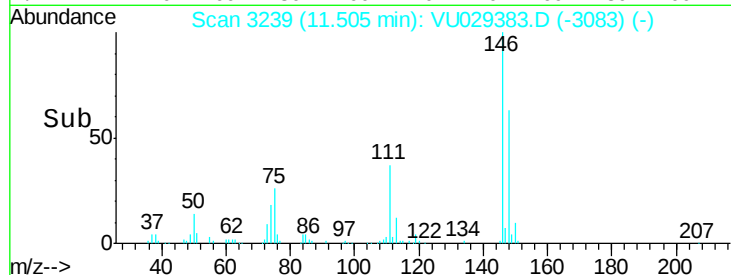
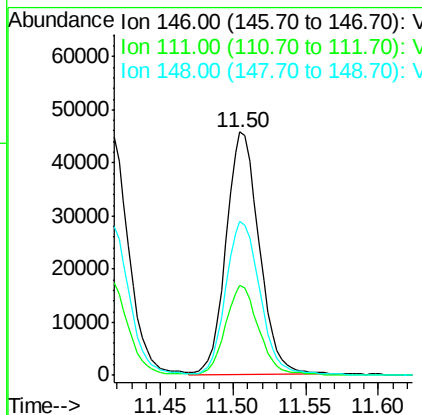
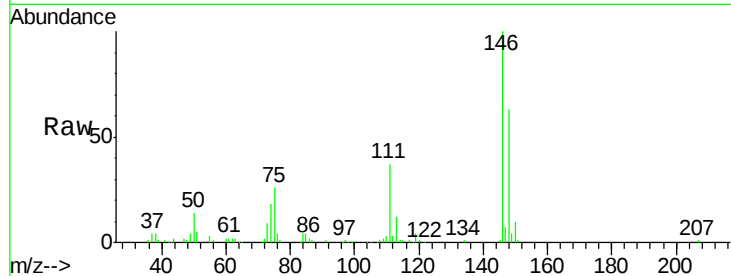
VU0208WBS01

Tot Ion:	146	Resp:	72665
Ion Ratio		Lower	Upper
146	100		
111	37.5	32.9	49.3
148	66.4	51.8	77.6

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.884 ug/l

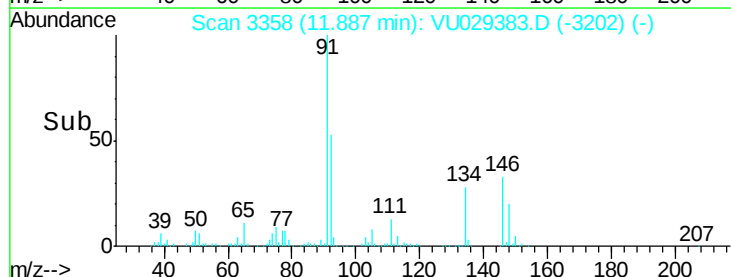
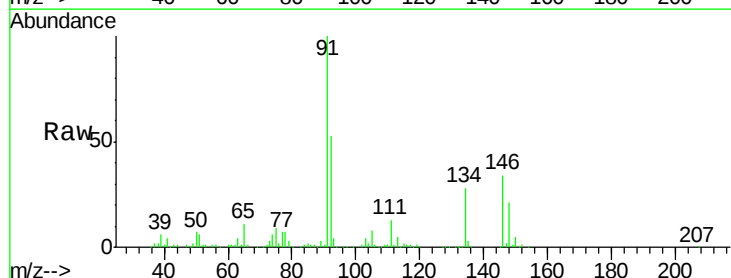
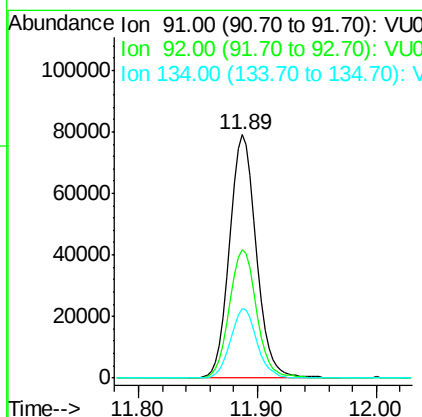
RT: 11.89 min Scan# 3358

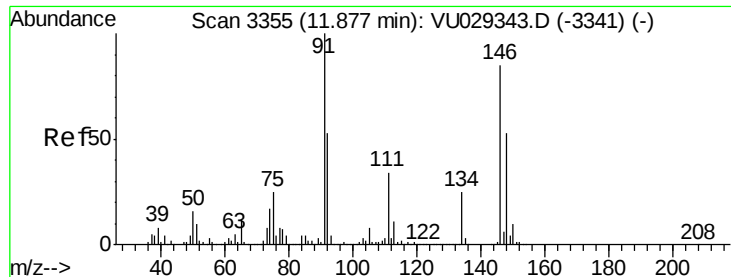
Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion:	91	Resp:	123454
Ion Ratio		Lower	Upper
91	100		
92	53.8	41.0	61.6
134	28.2	19.1	28.7





#85
 1,2-Dichlorobenzene
 Concen: 2.004 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

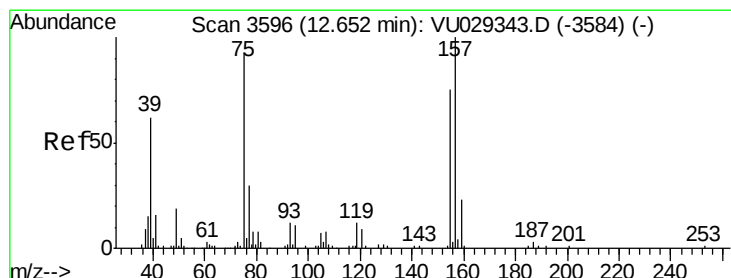
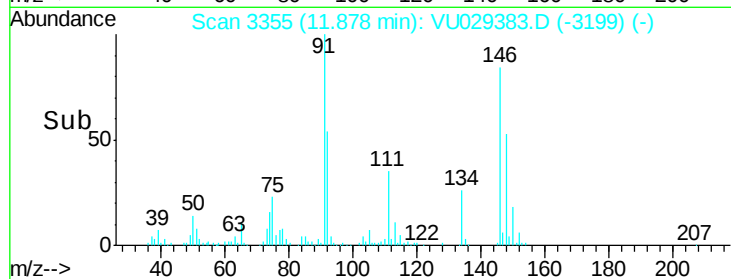
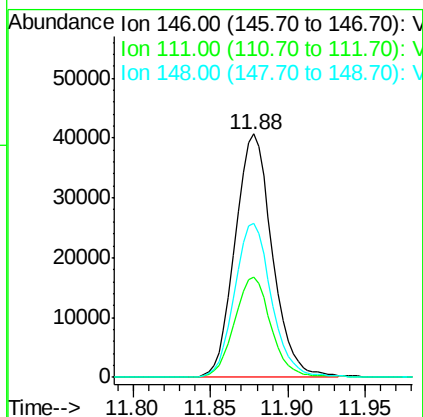
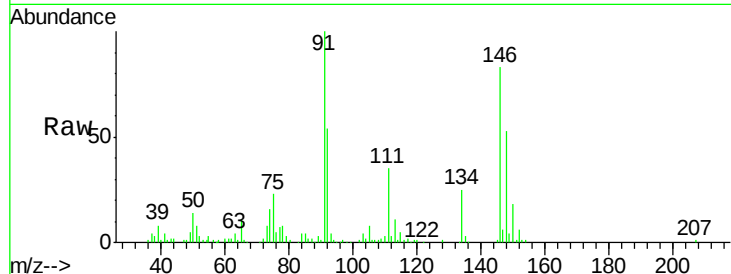
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0208WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.9	65.8
148	62.9	31.8	95.3

Manual Integrations
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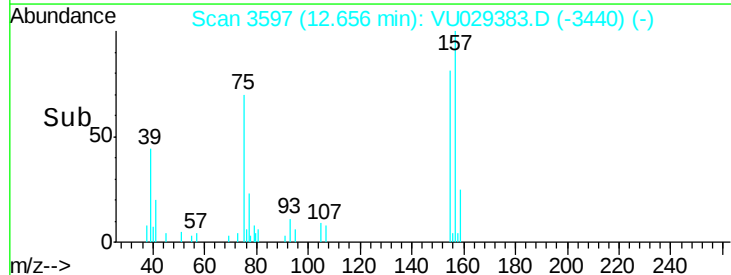
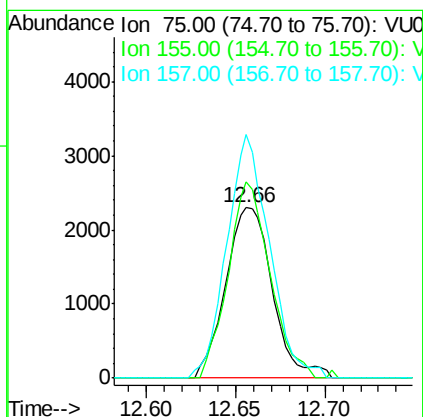
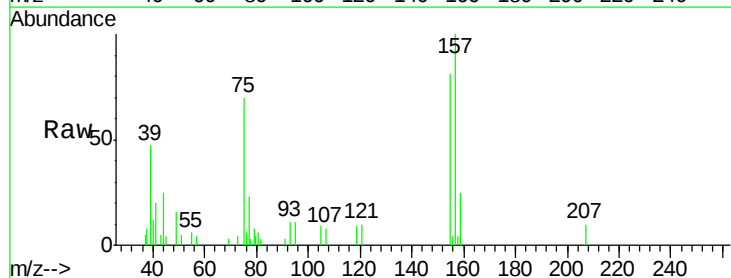
MMDadoda

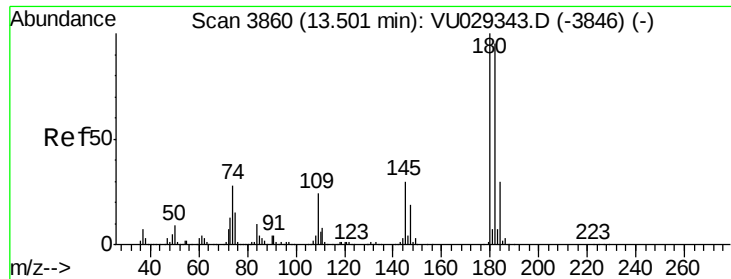
2/18/2019 12:15:50 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.616 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	53.8	80.8#
157	130.4	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 2.072 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

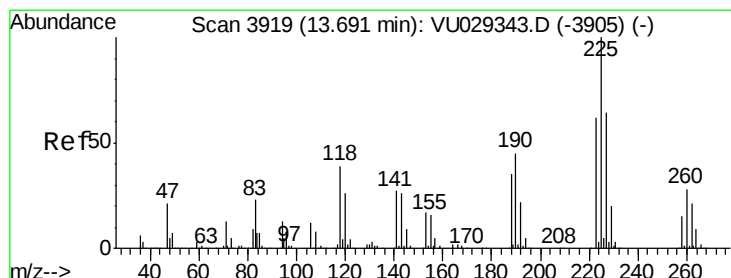
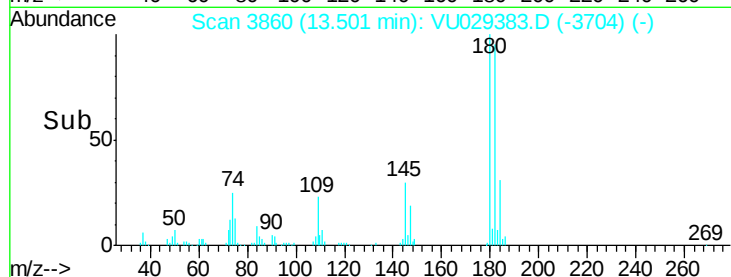
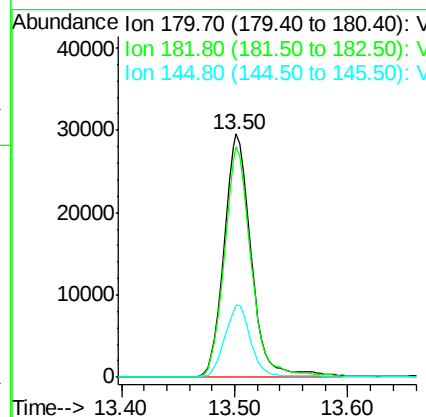
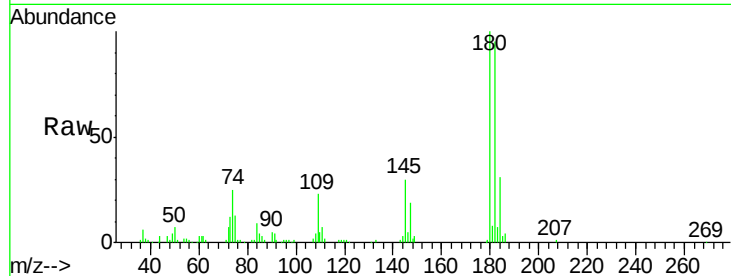
VU0208WBS01

Tot Ion:	180	Resp:	49443
Ion Ratio	Lower	Upper	
180	100		
182	93.5	76.6	114.8
145	28.3	24.6	36.8

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 2.195 ug/l

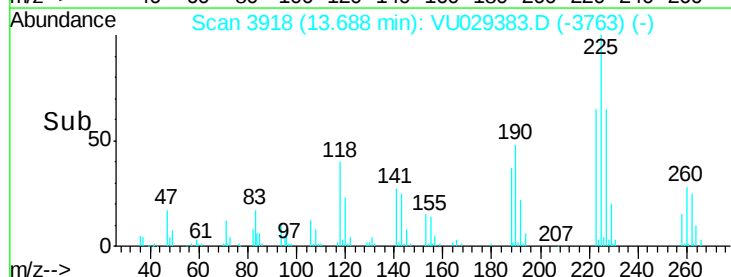
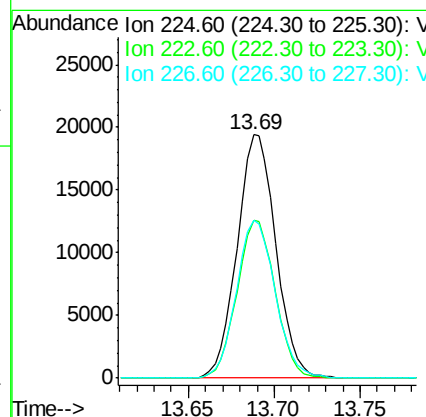
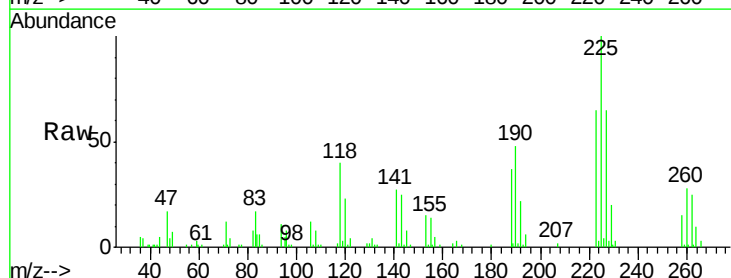
RT: 13.69 min Scan# 3918

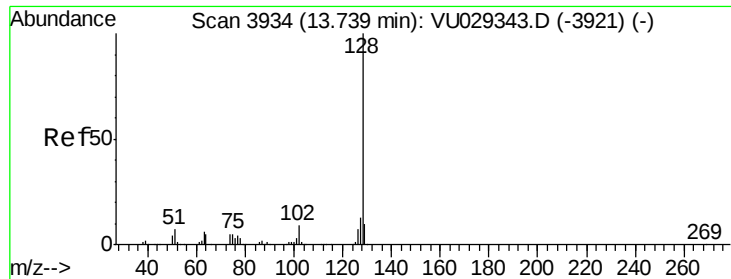
Delta R.T. -0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion:	225	Resp:	30342
Ion Ratio	Lower	Upper	
225	100		
223	63.8	49.5	74.3
227	64.9	50.4	75.6





#89
Naphthalene
Concen: 2.153 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

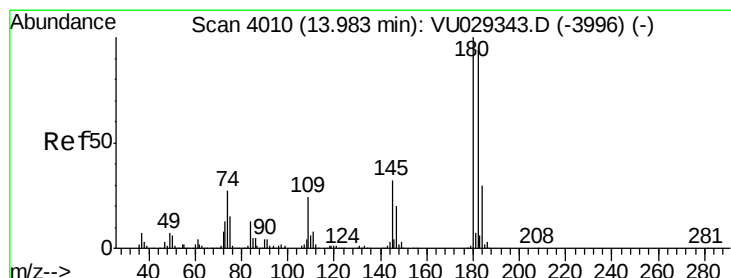
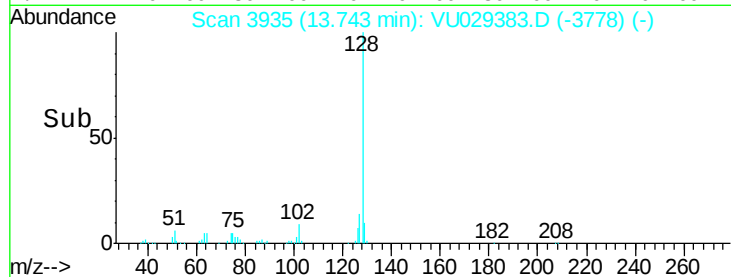
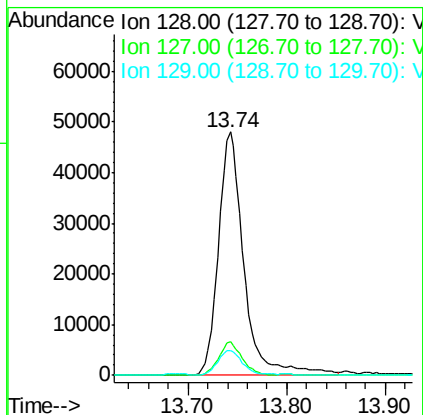
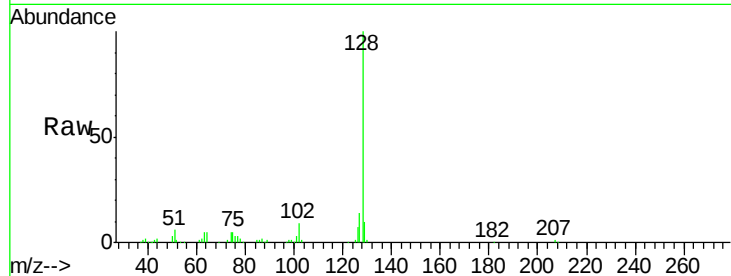
Instrument :
MSVOA_U
ClientSampleId :
VU0208WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	10.1	8.2	12.4

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 2.394 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.0	117.0
145	30.4	26.6	39.8

