

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072319\
 Data File : VU033373.D
 Acq On : 23 Jul 2019 11:27
 Operator : JC/SP
 Sample : VU0723WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Manual Integrations
 APPROVED

MMDadoda

7/25/2019 11:15:42 AM

Quant Time: Jul 24 04:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 03:43:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	27854	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	10589	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11634	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.20	85	24103	2.092	ug/l	99
3) Chloromethane	1.33	50	25310	1.991	ug/l	97
4) Vinyl Chloride	1.40	62	27627	1.947	ug/l	100
5) Bromomethane	1.62	94	19245	2.155	ug/l	99
6) Chloroethane	1.69	64	17870	1.793	ug/l	98
7) Trichlorofluoromethane	1.88	101	38401	1.971	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	19943	1.984	ug/l	98
9) 1,1-Dichloroethene	2.27	96	20403	2.061	ug/l	99
10) Iodomethane	2.40	142	19869	1.494	ug/l	98
11) Allyl Chloride	2.58	41	32899	2.014	ug/l	99
12) Acrylonitrile	2.92	53	10351	3.747	ug/l	100
13) Acetone	2.31	43	21674	9.195	ug/l	100
14) Carbon Disulfide	2.46	76	75525	2.008	ug/l	100
15) Methylene Chloride	2.68	84	25020	1.874	ug/l	93
16) trans-1,2-Dichloroethene	2.96	96	23500	1.999	ug/l	99
17) 1,1-Dichloroethane	3.42	63	31963	2.026	ug/l	98
18) 2-Butanone	4.26	43	18719	8.320	ug/l	99
19) Cyclohexane	4.97	56	21418m	1.850	ug/l	
20) Methylcyclohexane	6.40	83	21113	1.812	ug/l	95
21) 2,2-Dichloropropane	4.20	77	27326	2.044	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	17486	1.963	ug/l	94
23) Diethyl Ether	2.09	59	16050	1.881	ug/l	98
24) tert-Butyl Alcohol	2.82	59	20631	15.117	ug/l	99
25) Methyl tert-Butyl Ether	2.99	73	54051	1.897	ug/l	100
26) Bromochloromethane	4.52	128	8382	2.140	ug/l	92
27) Chloroform	4.65	83	34946	1.938	ug/l	90
28) 1,1,1-Trichloroethane	4.89	97	28847	2.067	ug/l	99
29) 1,1-Dichloropropene	5.11	75	21895	1.902	ug/l	99
30) Carbon Tetrachloride	5.11	117	24790	2.018	ug/l	96
31) Isopropyl Ether	3.56	45	37696	1.891	ug/l	95
32) Ethyl-t-butyl ether	4.05	59	34787	1.815	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	30930	1.794	ug/l	99
34) Propionitrile	4.32	54	5666	8.779	ug/l #	93
35) Benzene	5.37	78	66262	1.992	ug/l	99
36) 1,2-Dichloroethane	5.39	62	21932	1.981	ug/l	99
37) Trichloroethene	6.17	130	17303	1.971	ug/l	94
38) 1,2-Dichloropropane	6.41	63	17264	1.881	ug/l	99
39) Methacrylonitrile	4.52	41	4710	1.838	ug/l #	85
40) Methyl acrylate	4.41	55	7008	1.758	ug/l #	70
41) Tetrahydrofuran	4.64	42	4214	3.280	ug/l	98
42) 1-Chlorobutane	5.04	56	29628	1.919	ug/l	98

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Manual Integrations
 APPROVED

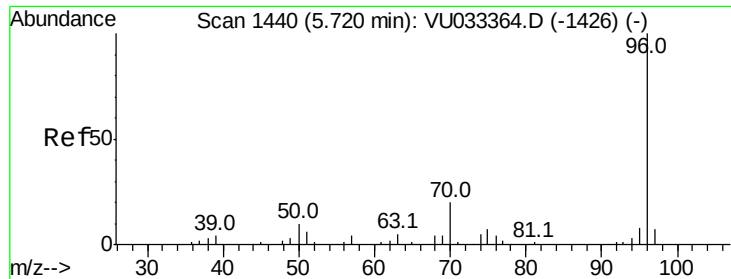
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7/25/2019 11:15:42 AM

Quant Time: Jul 24 04:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	9743	1.918	ug/l	100
44) Bromodichloromethane	6.74	83	23289	1.901	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	42585	8.218	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	6247m	2.987	ug/l	
47) Methyl methacrylate	6.61	69	13858	3.579	ug/l	97
48) Ethyl methacrylate	8.01	69	11246	1.648	ug/l	96
49) Toluene	7.62	92	36728	1.928	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	19384	1.897	ug/l	96
51) cis-1,3-Dichloropropene	7.25	75	23163	1.920	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	13884	2.045	ug/l	98
53) 1,3-Dichloropropane	8.23	76	21289	1.855	ug/l	99
54) 2-Hexanone	8.35	43	30088	8.249	ug/l	97
55) Dibromochloromethane	8.46	129	14972	1.888	ug/l	95
56) 1,2-Dibromoethane	8.57	107	11983	1.893	ug/l	96
58) Tetrachloroethene	8.21	164	14661	1.842	ug/l	96
59) Chlorobenzene	9.10	112	42548	1.948	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	16184	1.951	ug/l	98
61) Pentachloroethane	11.09	117	13143	1.930	ug/l	97
62) Hexachloroethane	12.13	117	12723	1.931	ug/l	99
63) Ethyl Benzene	9.23	91	65007	1.853	ug/l	100
64) m/p-Xylenes	9.36	106	49984	3.564	ug/l	99
65) o-Xylene	9.76	106	25055	1.864	ug/l	97
66) Styrene	9.78	104	41699	1.829	ug/l	97
67) Bromoform	9.94	173	8285	1.930	ug/l #	96
69) Isopropylbenzene	10.15	105	62859	1.824	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	16755	1.862	ug/l	98
71) 1,2,3-Trichloropropane	10.48	75	13101m	1.886	ug/l	
72) Bromobenzene	10.44	156	17284	1.899	ug/l	98
73) n-propylbenzene	10.57	120	17917	1.824	ug/l	95
74) 2-Chlorotoluene	10.64	126	17157	1.913	ug/l	96
75) 1,3,5-Trimethylbenzene	10.76	105	57479	1.858	ug/l	99
76) 4-Chlorotoluene	10.76	126	17346	1.856	ug/l	96
77) tert-Butylbenzene	11.08	119	54761	1.868	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	57250	1.810	ug/l	100
79) sec-Butylbenzene	11.31	105	74574	1.848	ug/l	100
80) Nitrobenzene	12.87	77	1575m	4.211	ug/l	
81) p-Isopropyltoluene	11.46	119	60076	1.831	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	36717	1.898	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	36175	1.890	ug/l	98
84) n-Butylbenzene	11.87	91	59005	1.757	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	34497	1.902	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	2302	1.626	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	18093	1.676	ug/l	95
88) Hexachlorobutadiene	13.68	225	12413	1.865	ug/l	98
89) Naphthalene	13.73	128	27769	1.717	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	17090	1.631	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 96 Resp: 27854

Ion Ratio Lower Upper

96 100

70 20.8 16.4 24.6

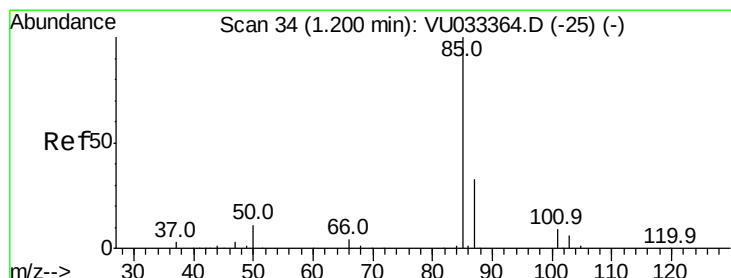
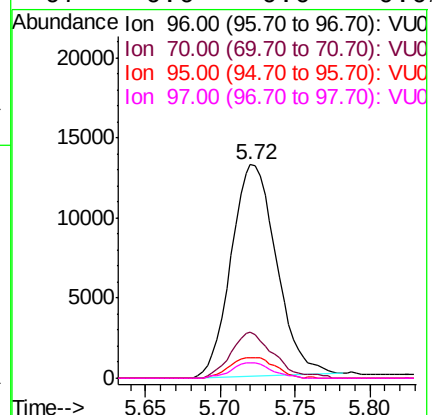
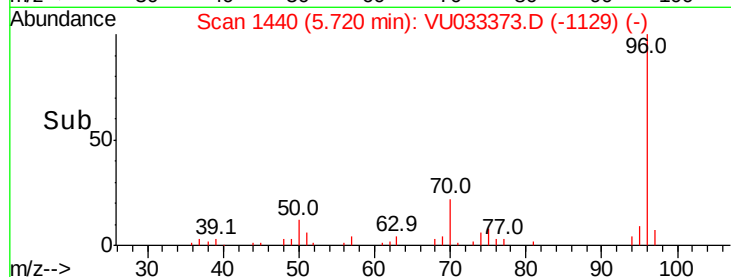
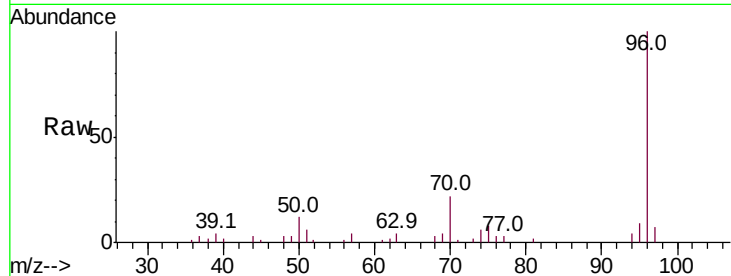
95 9.8 6.7 10.1

97 6.6 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 2.092 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033373.D

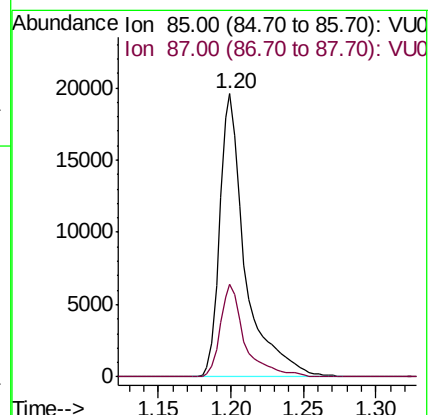
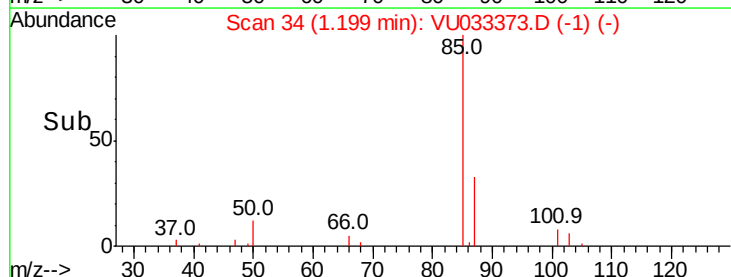
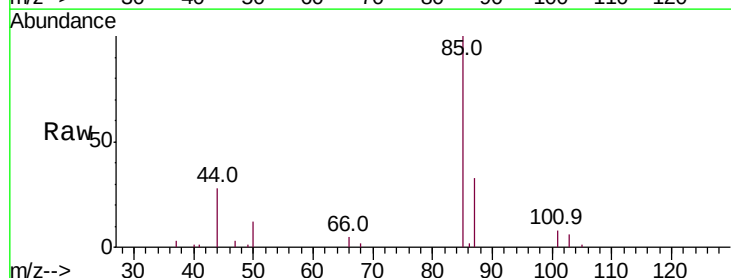
Acq: 23 Jul 2019 11:27

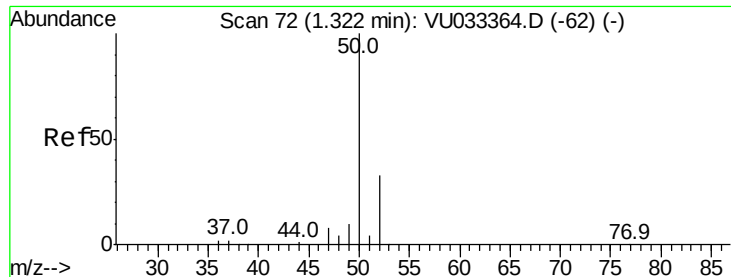
Tgt Ion: 85 Resp: 24103

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7





#3

Chloromethane

Concen: 1.991 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 50 Resp: 25310

Ion Ratio Lower Upper

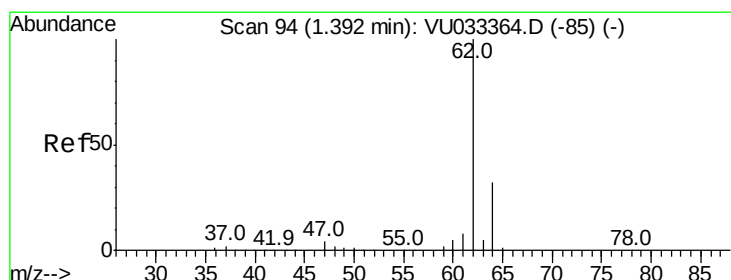
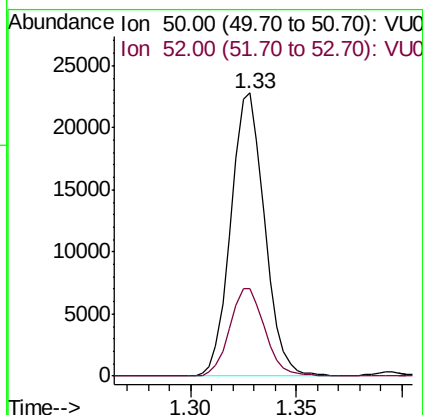
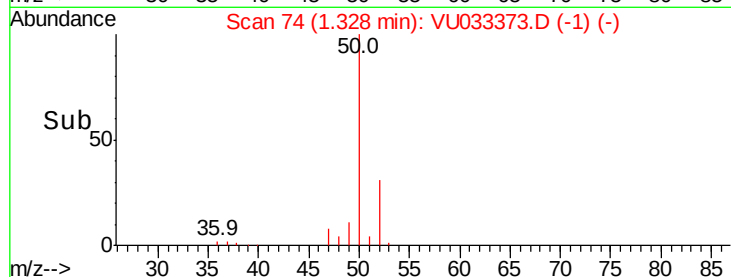
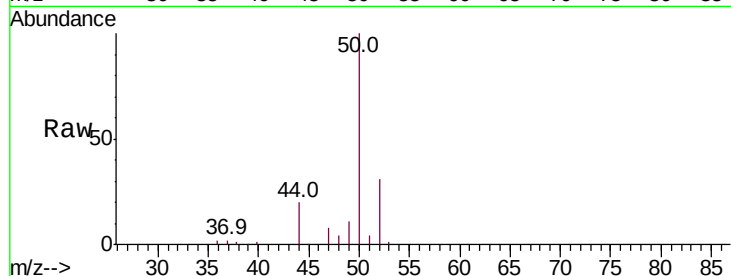
50 100

52 31.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 1.947 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033373.D

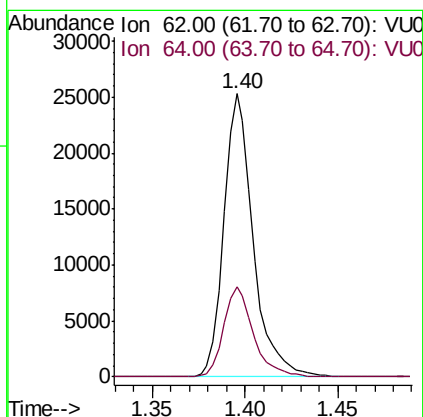
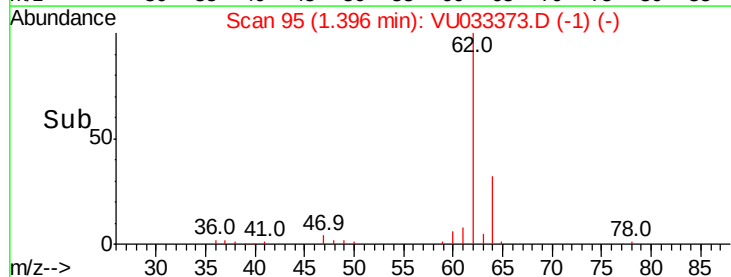
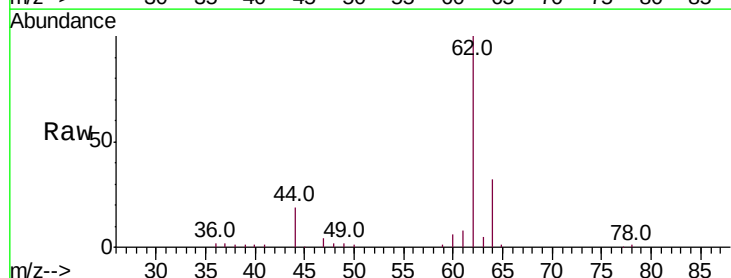
Acq: 23 Jul 2019 11:27

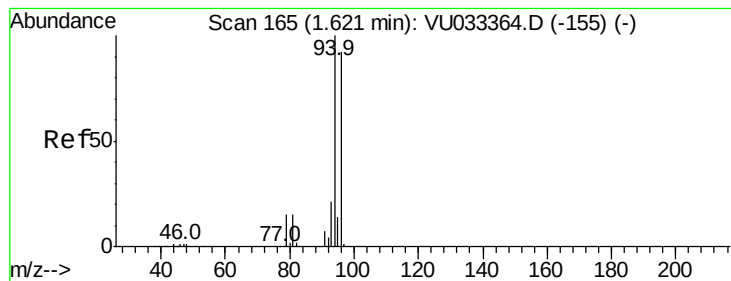
Tgt Ion: 62 Resp: 27627

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 2.155 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 94 Resp: 19245

Ion Ratio Lower Upper

94 100

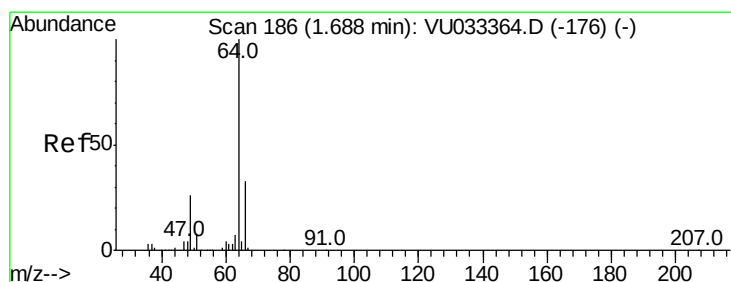
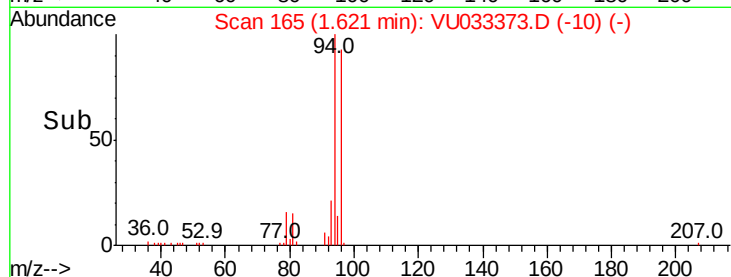
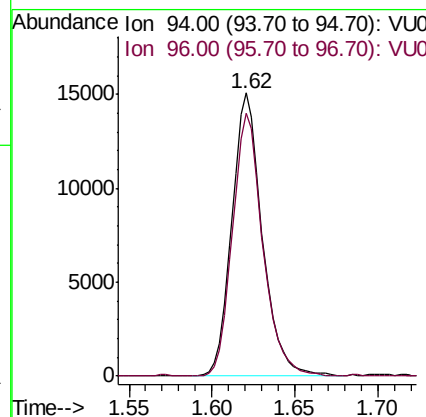
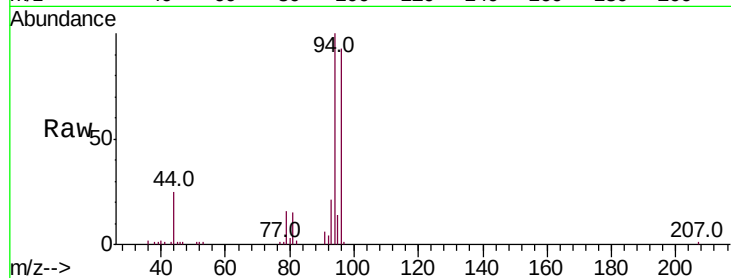
96 92.7 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 1.793 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033373.D

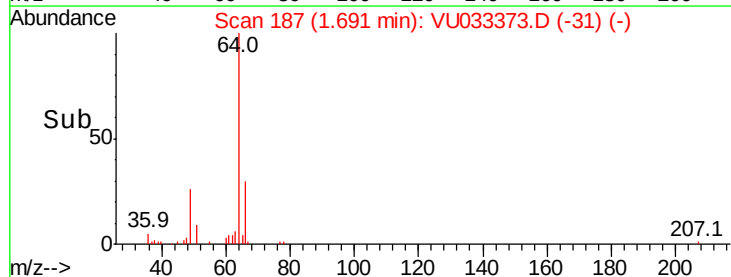
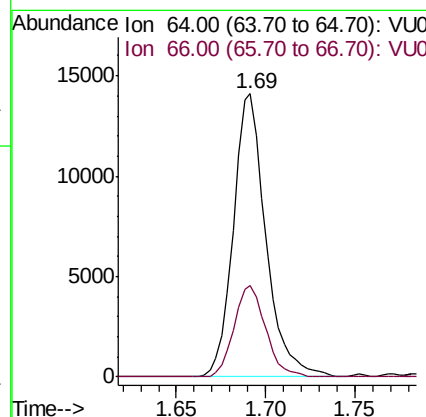
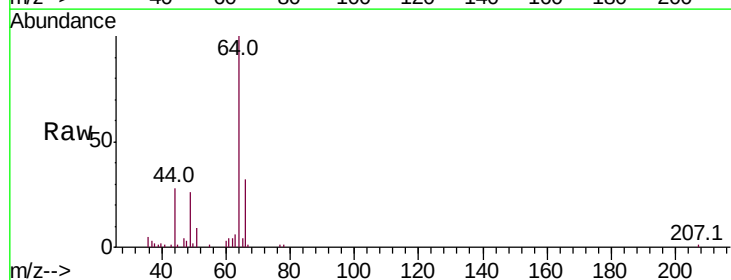
Acq: 23 Jul 2019 11:27

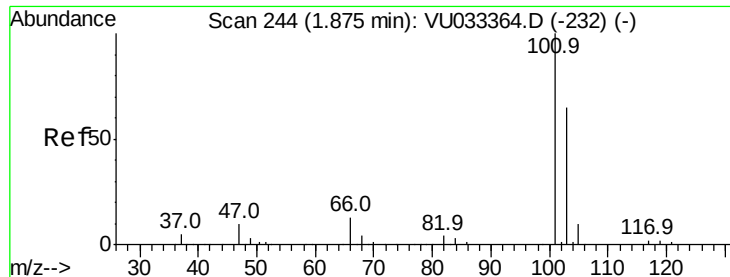
Tgt Ion: 64 Resp: 17870

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

Trichlorofluoromethane
 Concen: 1.971 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

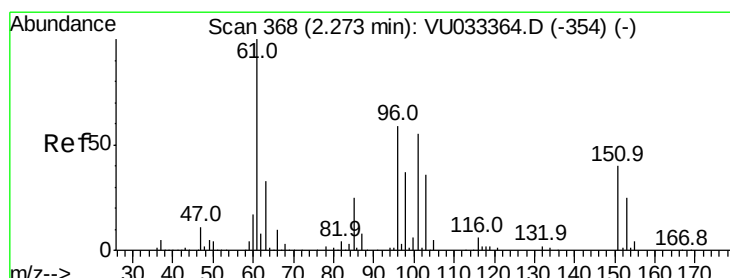
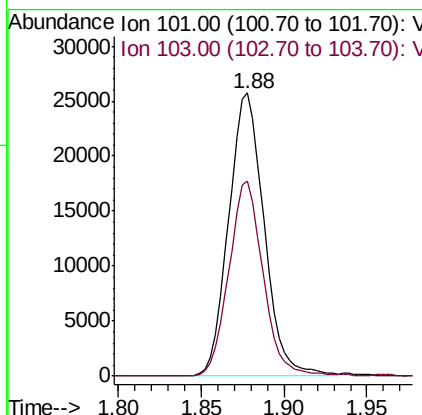
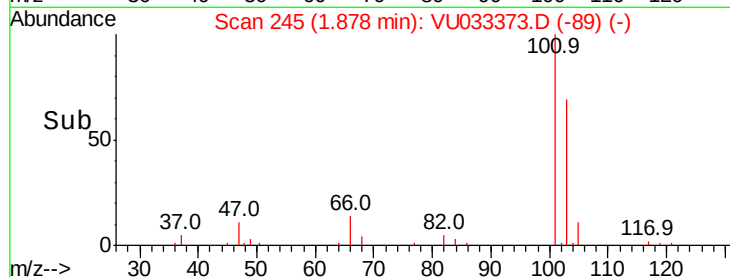
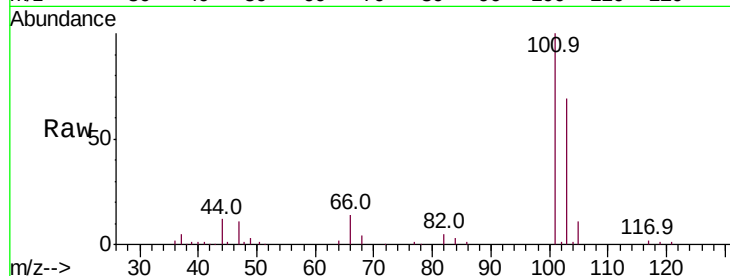
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	52.2	78.2

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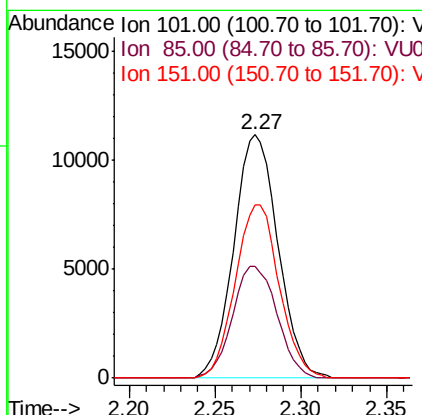
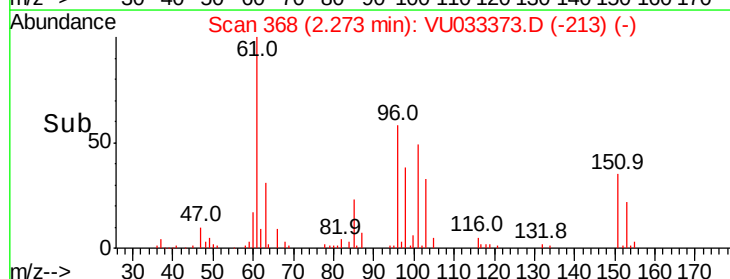
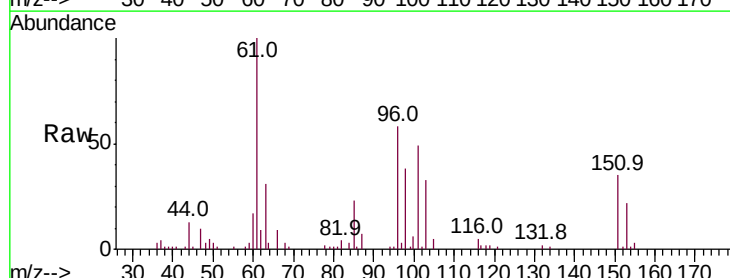
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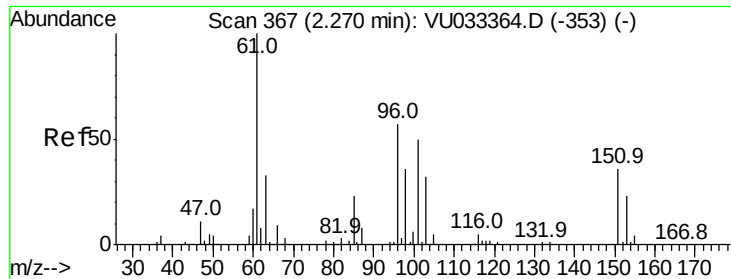


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.984 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.5	56.3
151	70.8	58.3	87.5





#9
 1,1-Dichloroethene
 Concen: 2.061 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

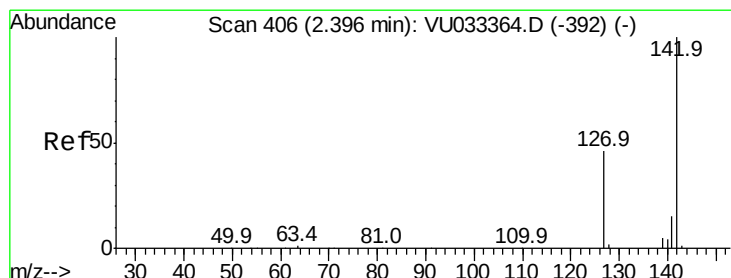
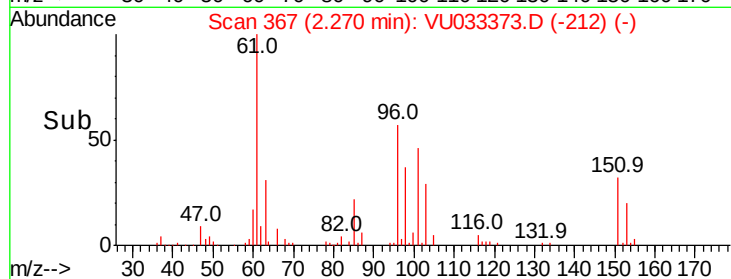
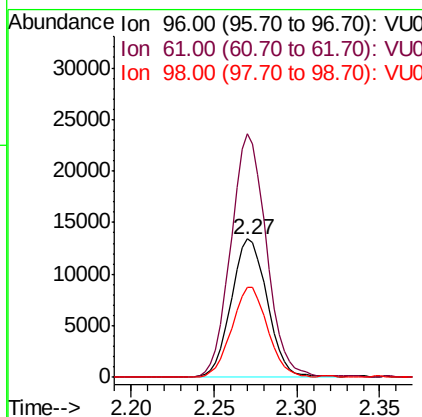
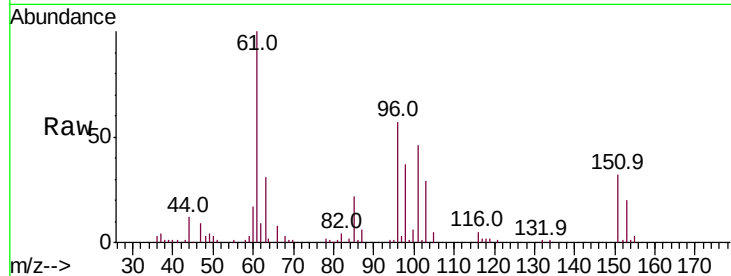
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.0	0.0	525.6
98	64.8	0.0	126.4

Manual Integrations
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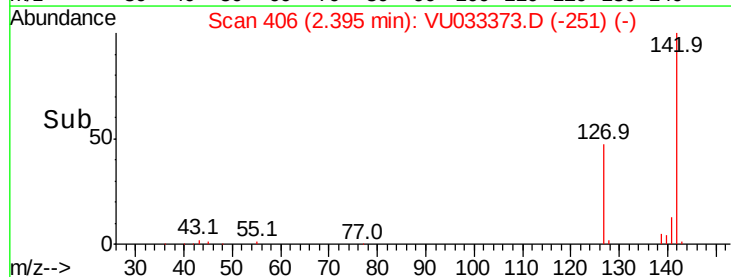
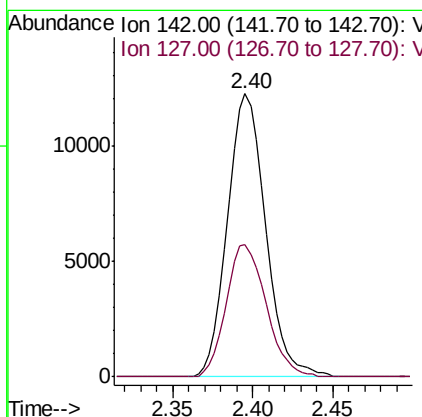
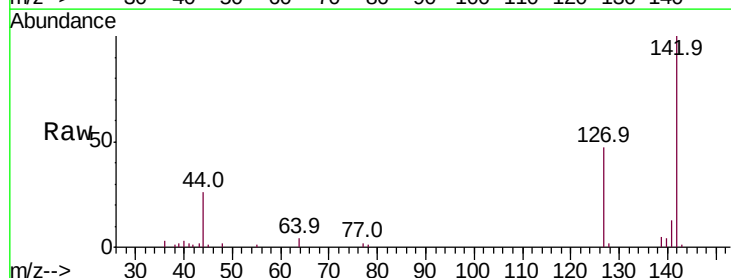
MMDadoda

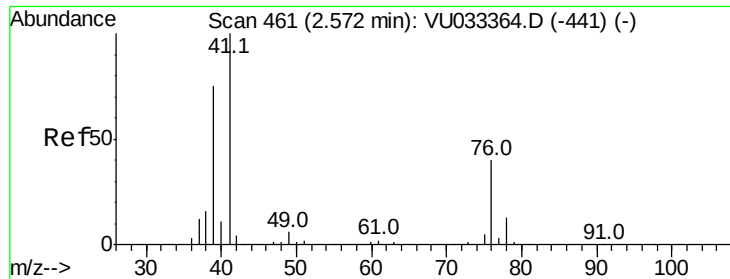
7/25/2019 11:15:42 AM



#10
 Iodomethane
 Concen: 1.494 ug/l
 RT: 2.40 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.8	56.6





#11
Allvl Chloride
Concen: 2.014 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

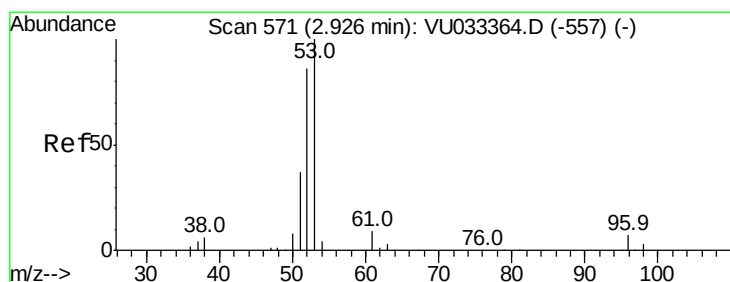
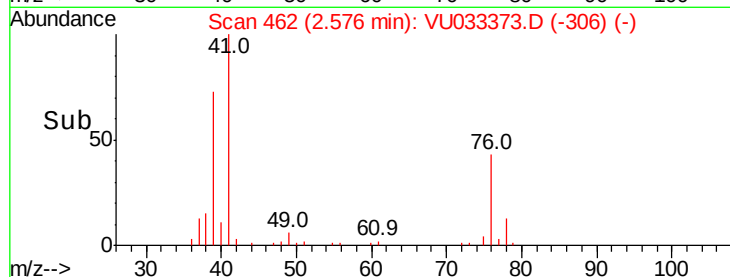
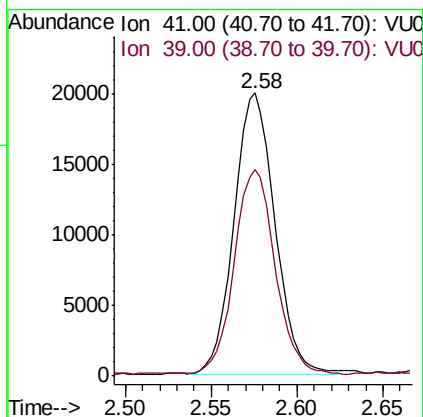
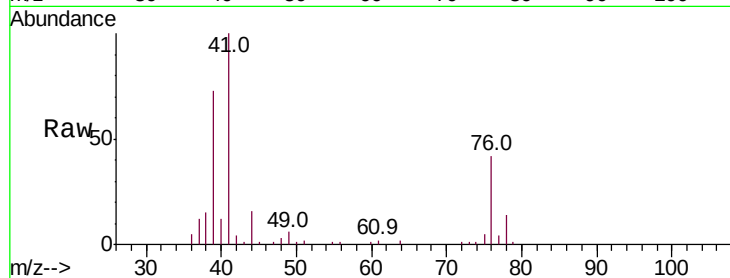
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion: 41 Resp: 32899
Ion Ratio Lower Upper
41 100
39 72.5 58.7 88.1

Manual Integrations
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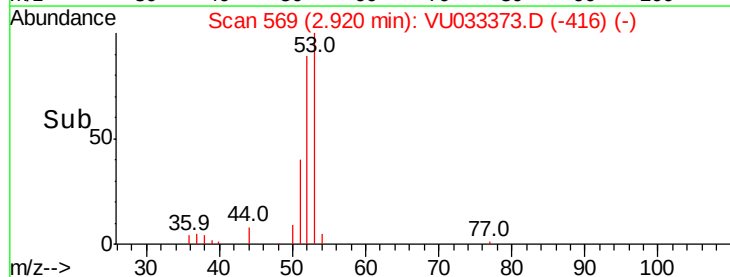
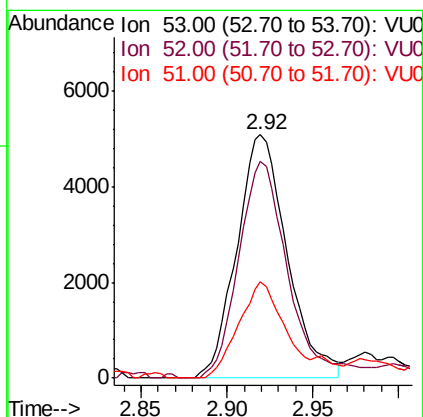
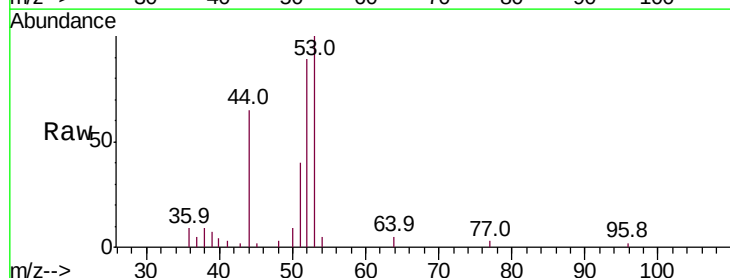
MMDadoda

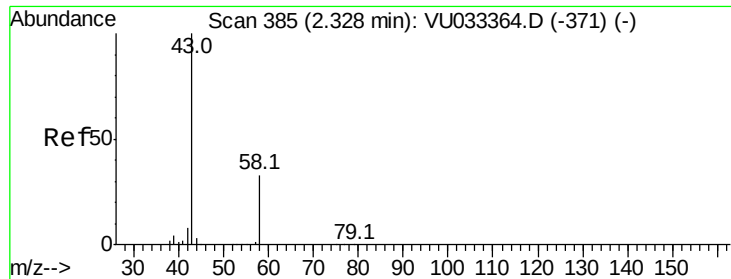
7/25/2019 11:15:42 AM



#12
Acrylonitrile
Concen: 3.747 ug/l
RT: 2.92 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 53 Resp: 10351
Ion Ratio Lower Upper
53 100
52 87.4 69.8 104.8
51 35.9 29.1 43.7





#13

Acetone

Concen: 9.195 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 43 Resp: 21674

Ion Ratio Lower Upper

43 100

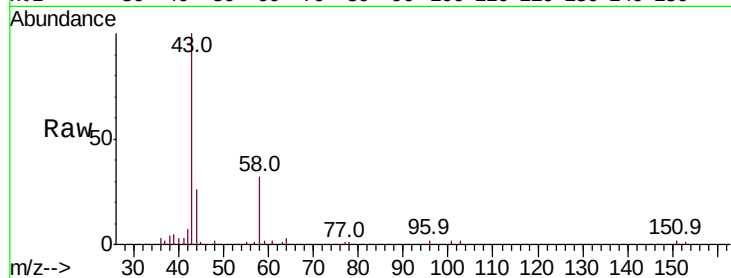
58 32.6 26.3 39.5

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7/25/2019 11:15:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

15000

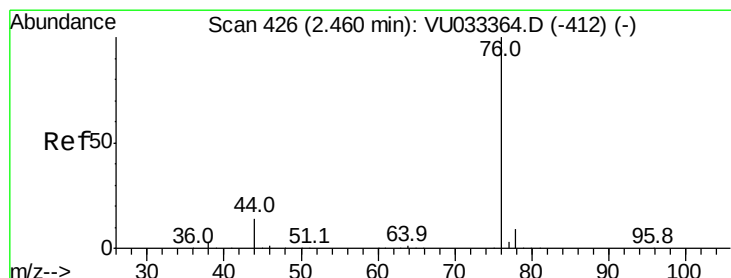
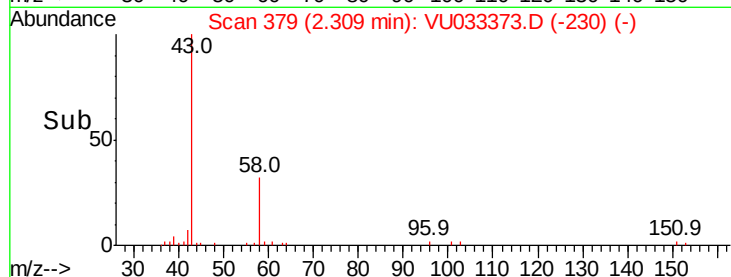
10000

5000

0

2.25 2.30 2.35

Time-->



#14

Carbon Disulfide

Concen: 2.008 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033373.D

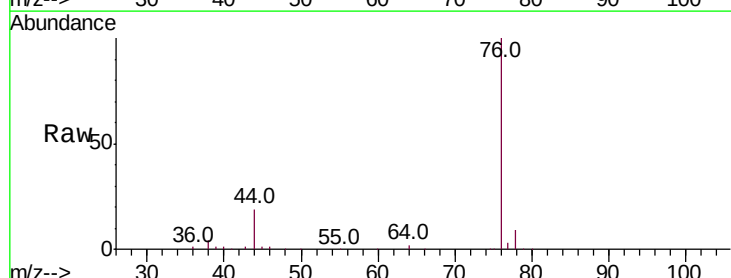
Acq: 23 Jul 2019 11:27

Tgt Ion: 76 Resp: 75525

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

50000

40000

30000

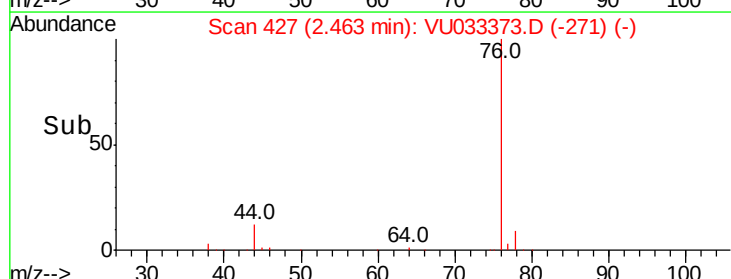
20000

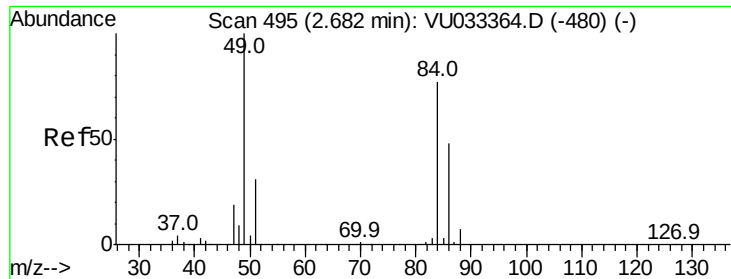
10000

0

2.40 2.45 2.50 2.55

Time-->





#15
Methylene Chloride
Concen: 1.874 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

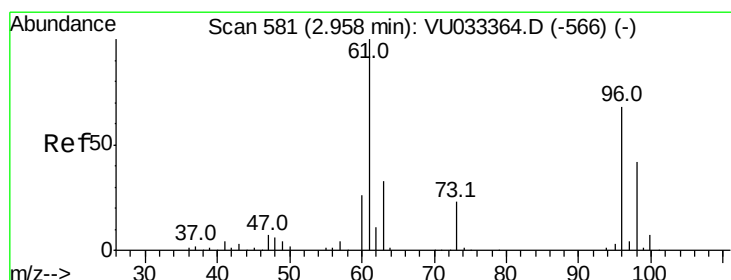
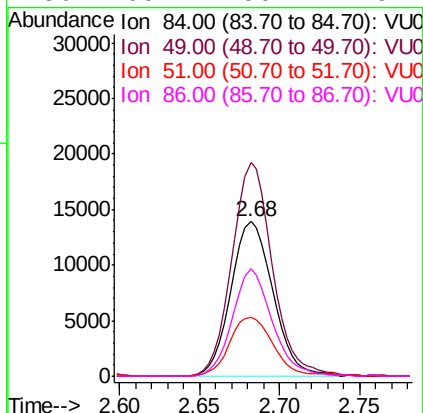
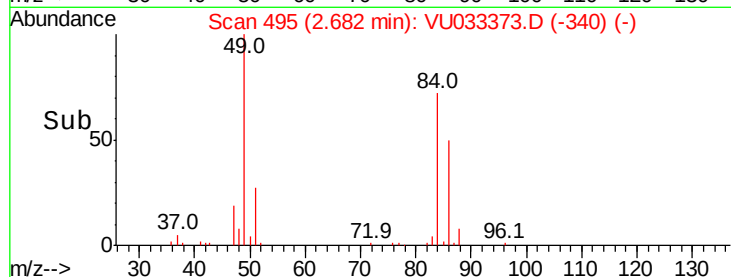
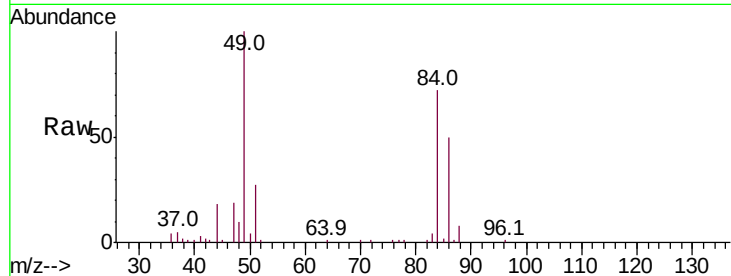
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	138.1	103.5	155.3	
51	37.8	0.0	80.4	
86	69.2	50.1	75.1	

Manual Integrations
APPROVED

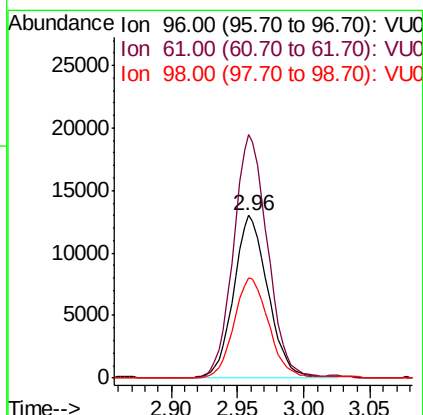
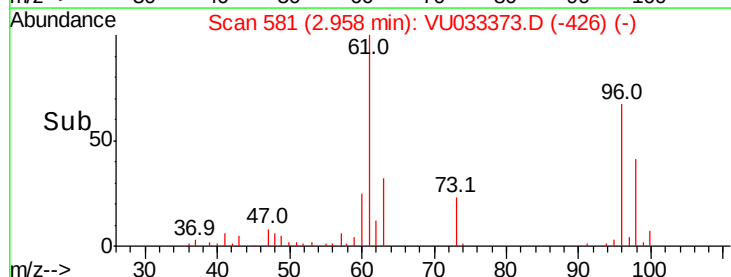
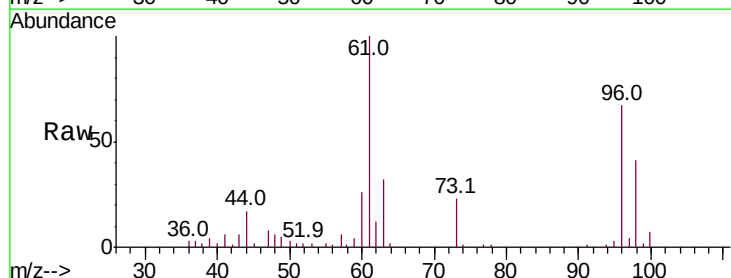
MMDadoda

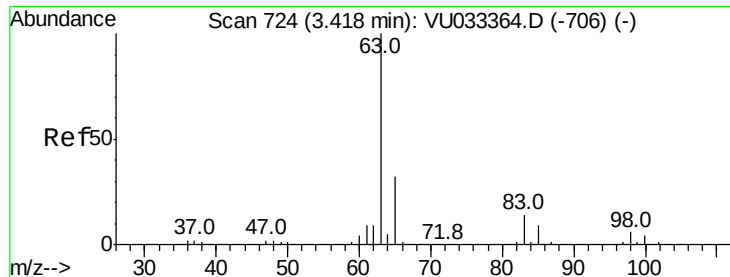
7/25/2019 11:15:42 AM



#16
trans-1,2-Dichloroethene
Concen: 1.999 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.7	118.0	177.0	
98	62.0	49.4	74.2	





#17
 1,1-Dichloroethane
 Concen: 2.026 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

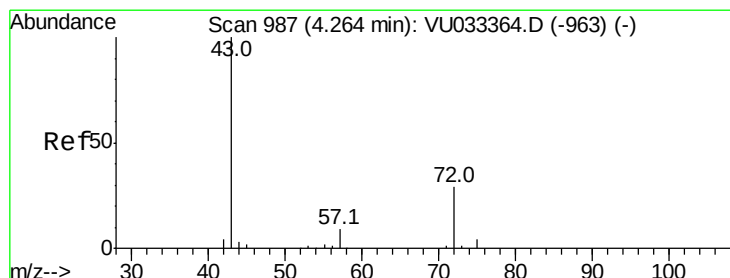
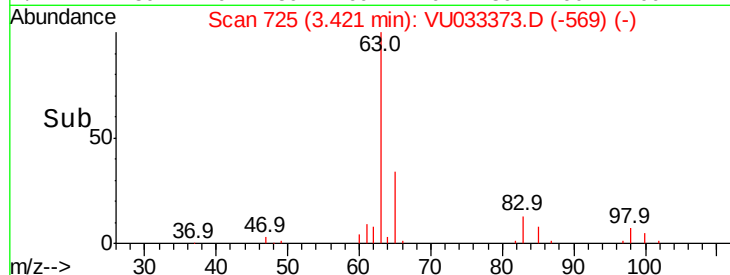
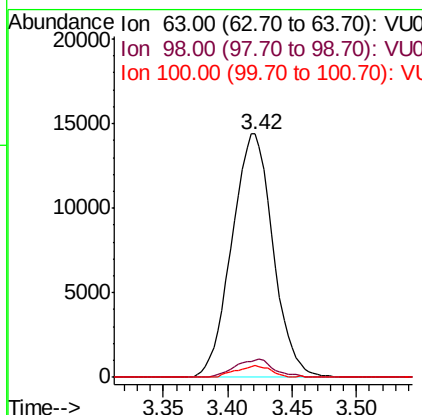
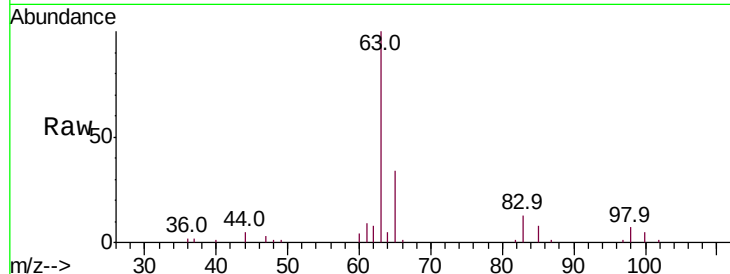
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion:	63	Resp:	31963
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.2	9.6
100	4.6	2.1	6.2

Manual Integrations
 APPROVED

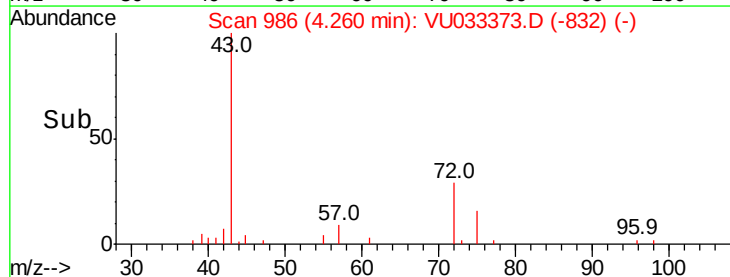
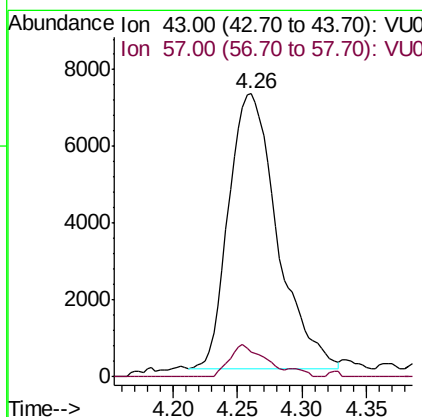
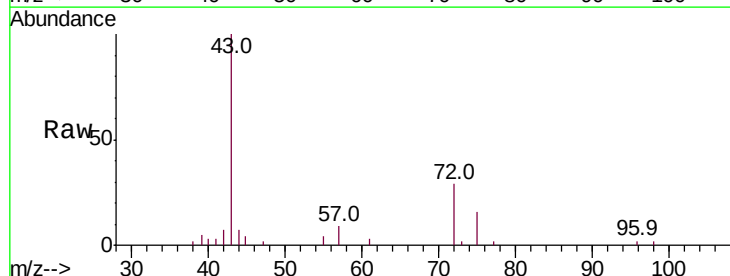
MMDadoda

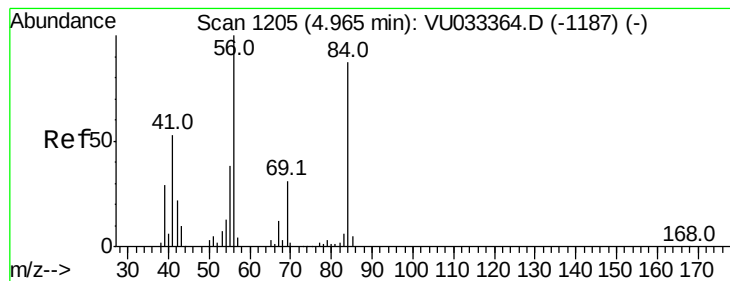
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#18
 2-Butanone
 Concen: 8.320 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:	43	Resp:	18719
Ion Ratio	Lower	Upper	
43	100		
57	9.0	0.0	17.0





#19

Cyclohexane

Concen: 1.850 ug/l m

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 56 Resp: 21418

Ion Ratio Lower Upper

56 100

69 29.6 25.0 37.4

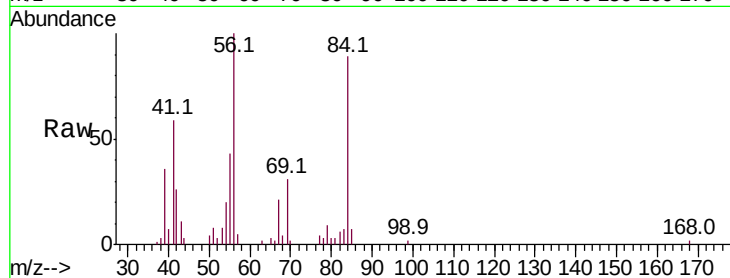
84 86.4 69.8 104.6

Manual Integrations

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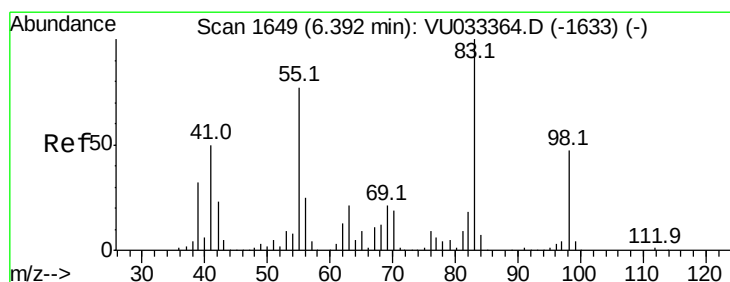
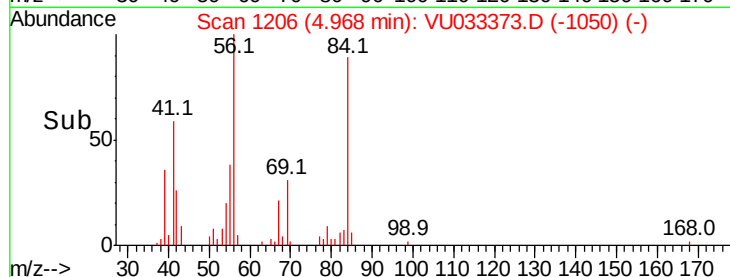
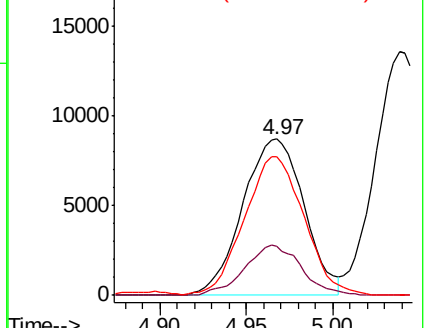
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Abundance Ion 56.00 (55.70 to 56.70): VU033364.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU033364.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033364.D (-1187) (-)



#20

Methylcyclohexane

Concen: 1.812 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

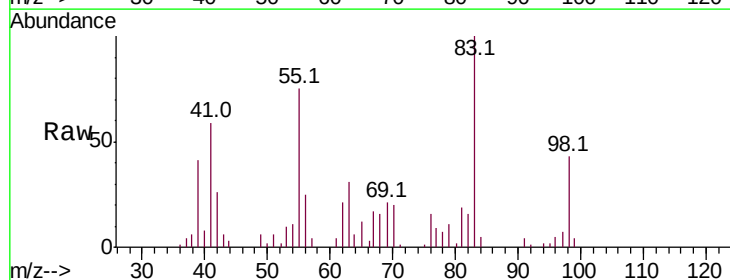
Tgt Ion: 83 Resp: 21113

Ion Ratio Lower Upper

83 100

55 84.2 62.3 93.5

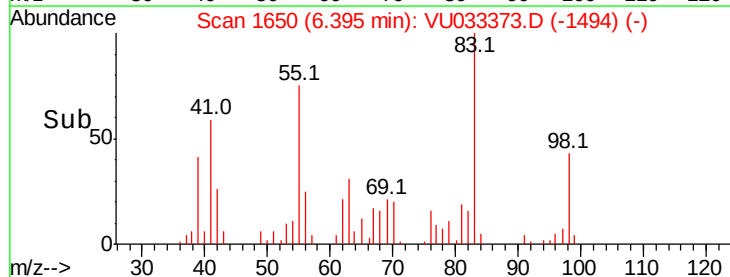
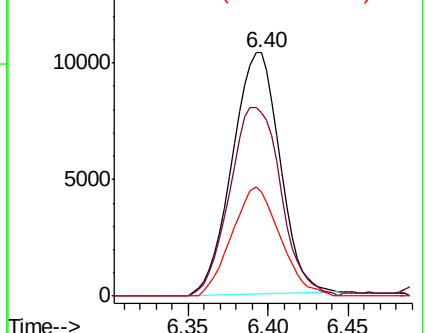
98 45.9 37.4 56.0

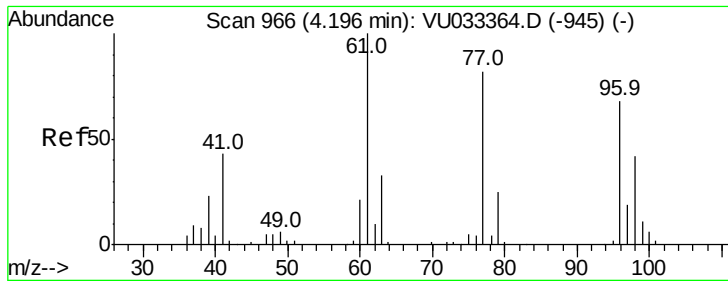


Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VU033364.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1633) (-)





#21

2,2-Dichloropropane

Concen: 2.044 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 77 Resp: 27326

Ion Ratio Lower Upper

77 100

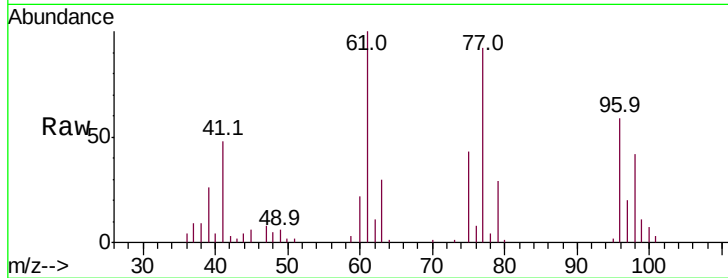
97 22.7 17.8 26.8

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

12000

10000

8000

6000

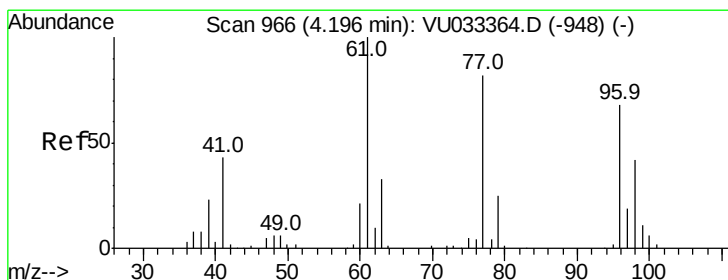
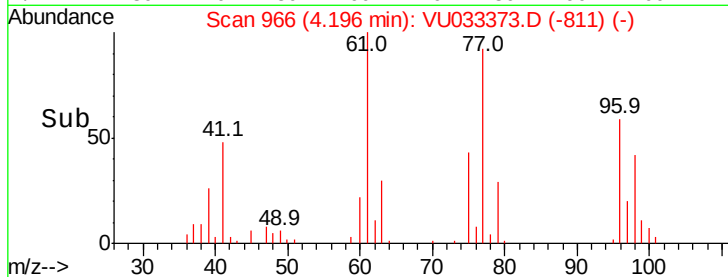
4000

2000

0

Time-->

4.10 4.20 4.30



#22

cis-1,2-Dichloroethene

Concen: 1.963 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

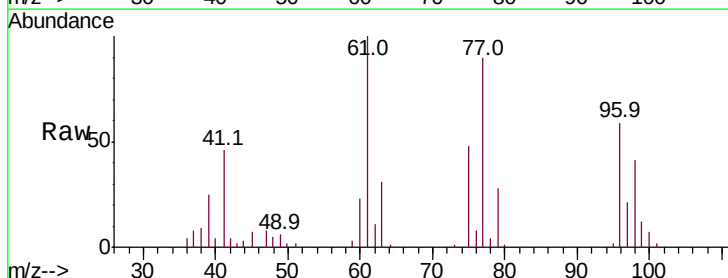
Tgt Ion: 96 Resp: 17486

Ion Ratio Lower Upper

96 100

61 158.8 0.0 376.3

98 66.3 31.9 95.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

15000

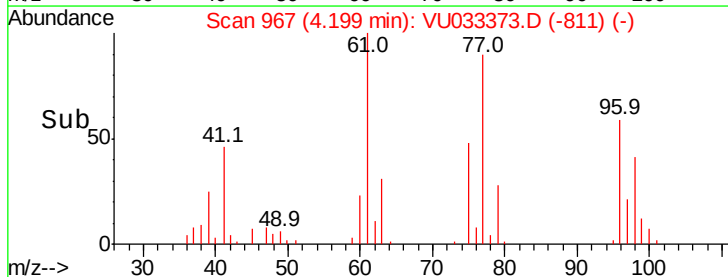
10000

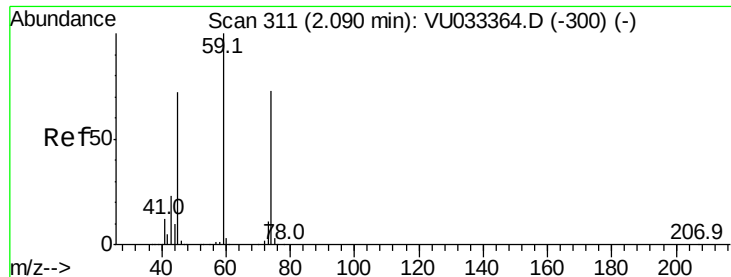
5000

0

Time-->

4.10 4.15 4.20 4.25 4.30





#23
Diethyl Ether
Concen: 1.881 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

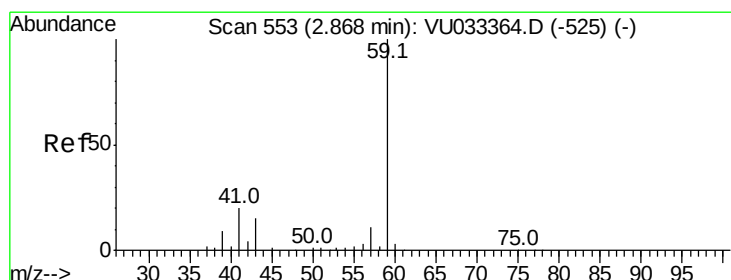
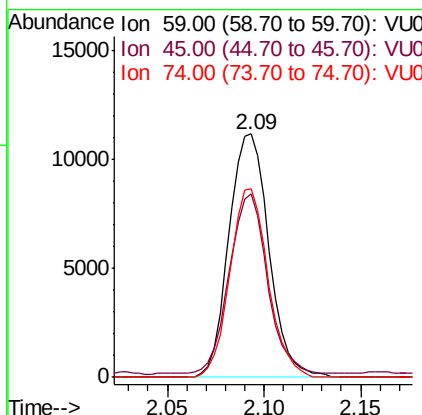
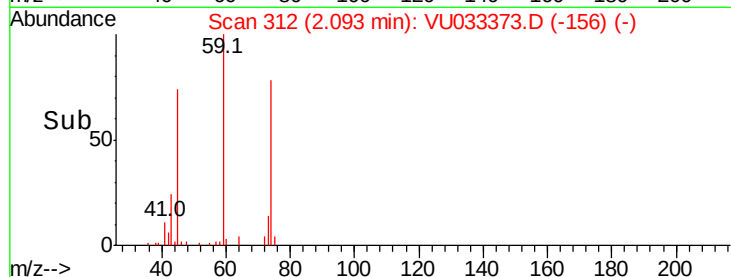
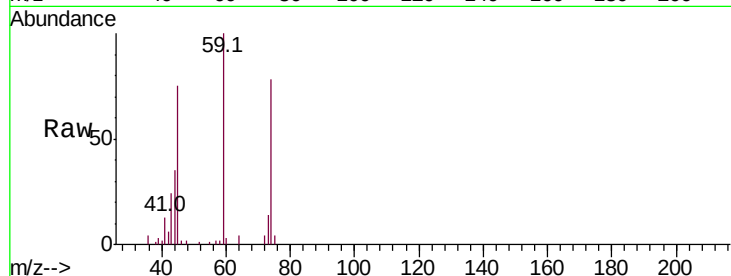
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	59	Ratio	Lower	Upper
16050	100			
45	70.0	57.6	86.4	
74	73.6	57.8	86.6	

Manual Integrations
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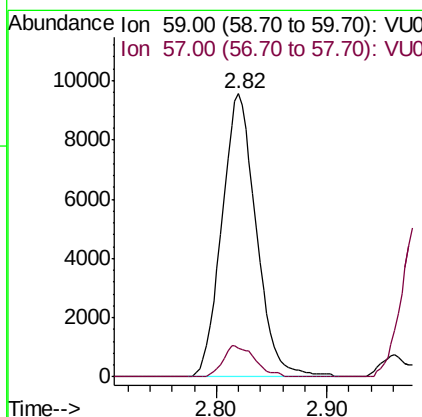
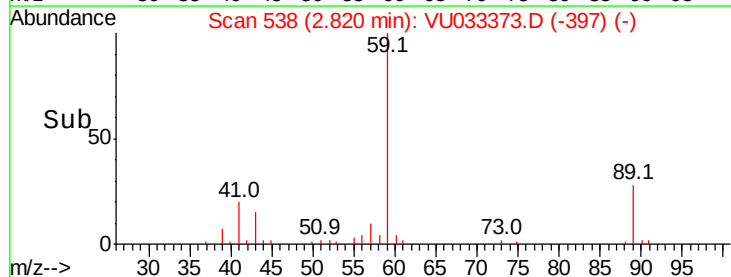
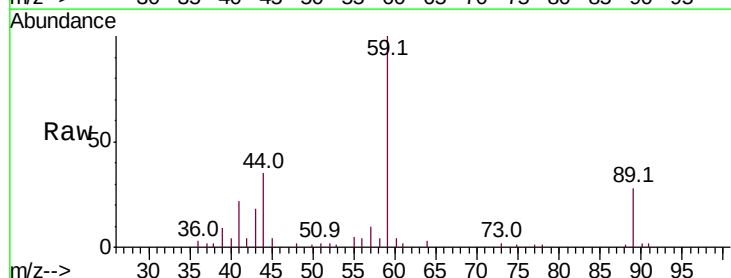
MMDadoda

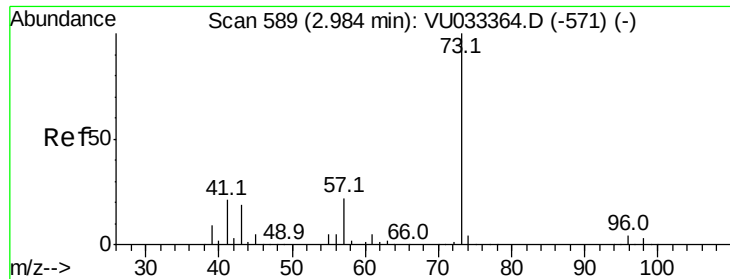
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#24
tert-Butyl Alcohol
Concen: 15.117 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	59	Ratio	Lower	Upper
20631	100			
57	10.2	7.8	11.8	





#25
Methyl tert-Butyl Ether
Concen: 1.897 ug/l
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

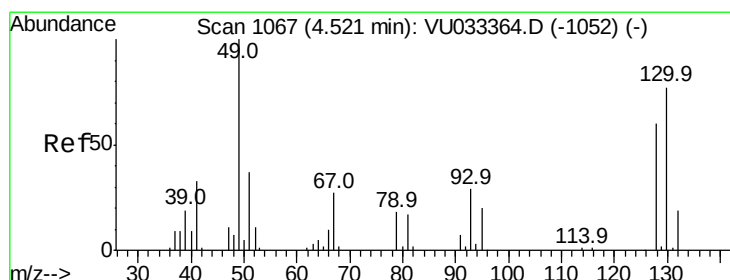
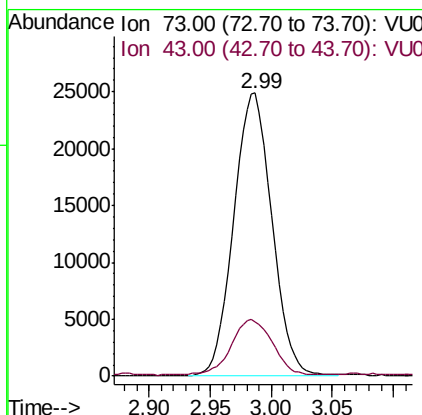
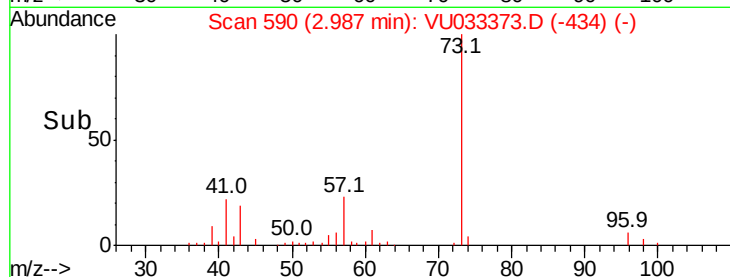
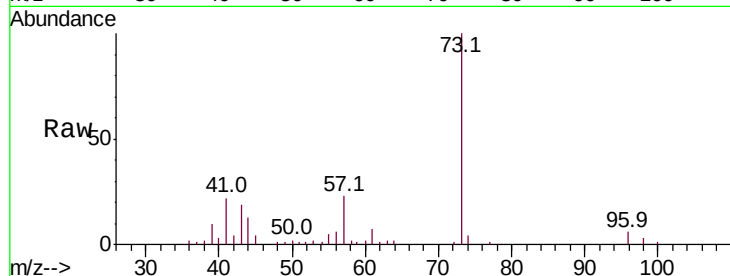
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion: 73 Resp: 54051
Ion Ratio Lower Upper
73 100
43 20.8 16.6 24.8

Manual Integrations
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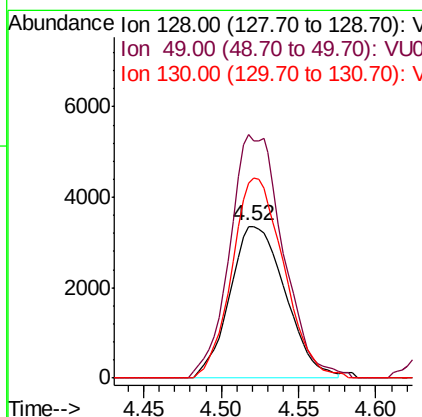
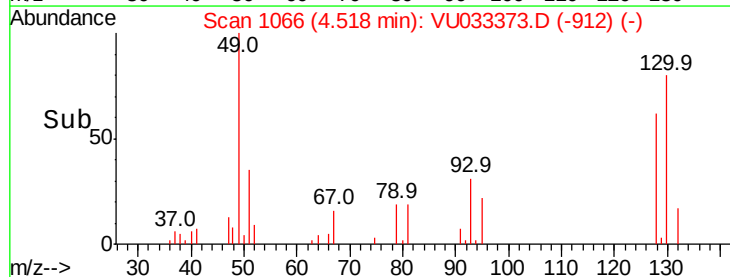
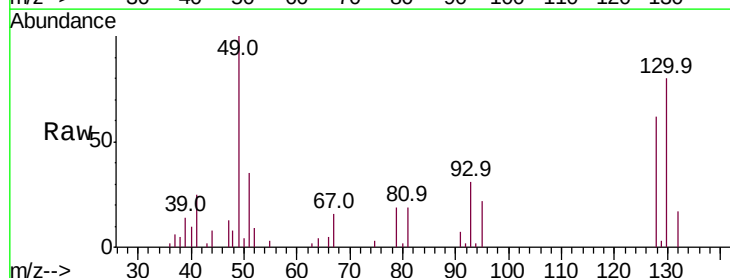
MMDadoda

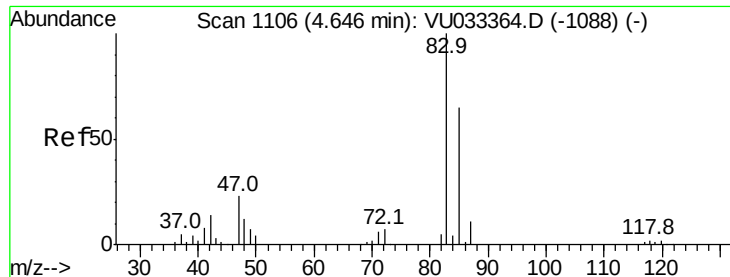
7/25/2019 11:15:42 AM



#26
Bromochloromethane
Concen: 2.140 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 128 Resp: 8382
Ion Ratio Lower Upper
128 100
49 153.8 0.0 333.4
130 123.3 103.4 155.2





#27
Chloroform
Concen: 1.938 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

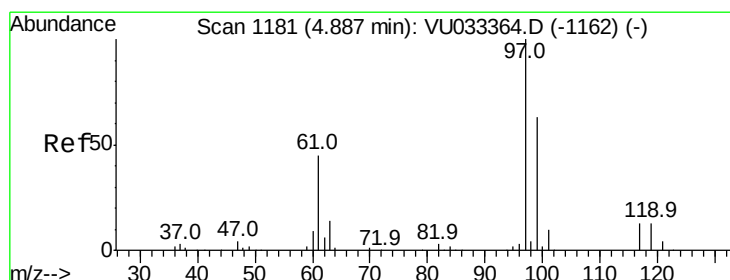
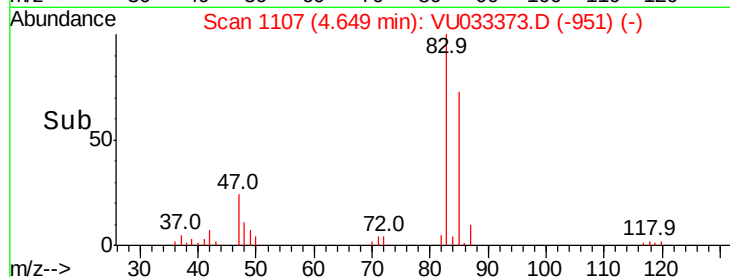
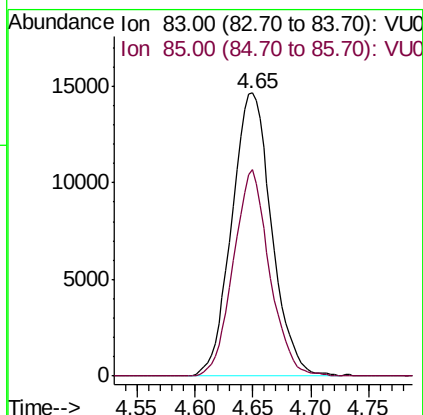
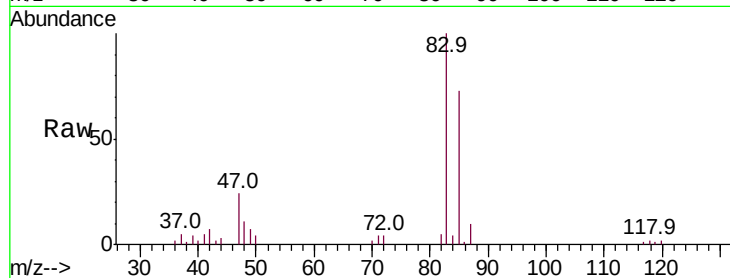
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion: 83 Resp: 34946
Ion Ratio Lower Upper
83 100
85 72.8 0.0 129.8

Manual Integrations
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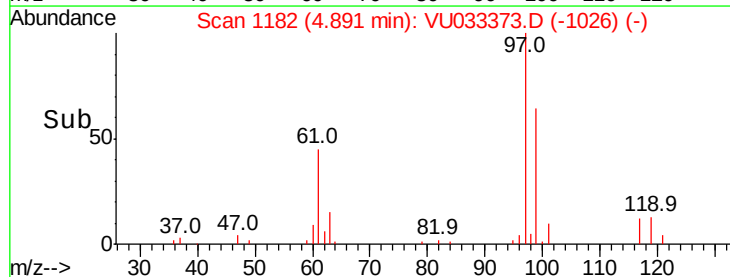
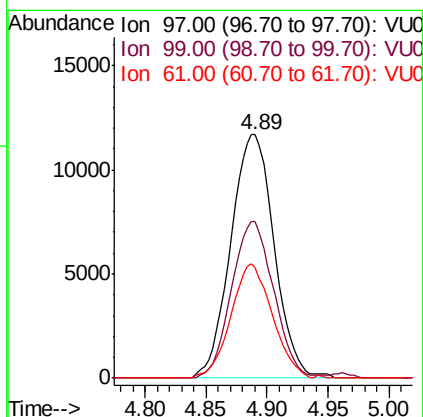
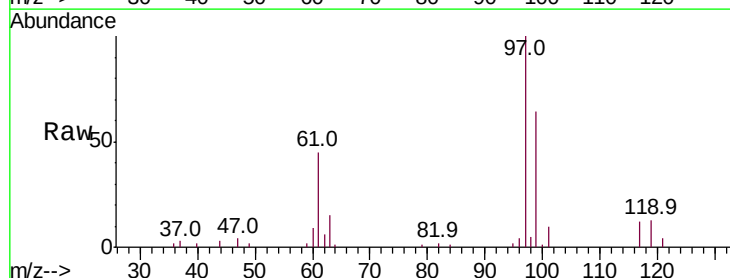
MMDadoda

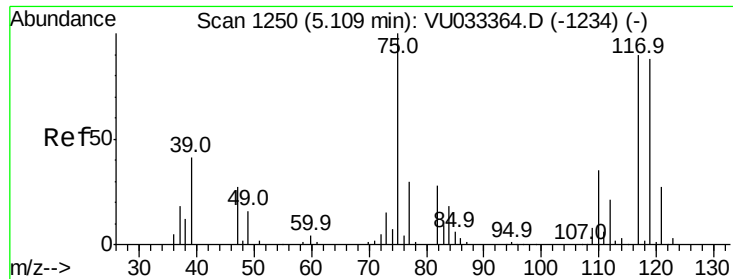
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#28
1,1,1-Trichloroethane
Concen: 2.067 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 97 Resp: 28847
Ion Ratio Lower Upper
97 100
99 62.2 31.9 95.5
61 44.8 22.7 68.0





#29
1,1-Dichloropropene
Concen: 1.902 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

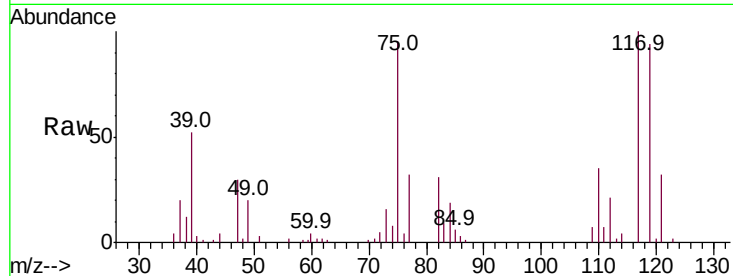
Instrument :
MSVOA_U
ClientSampled :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.6
77	32.1	25.1	37.7

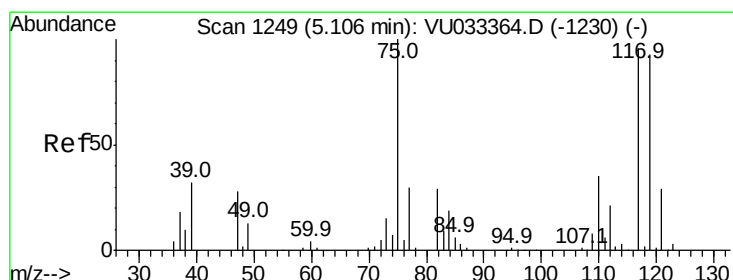
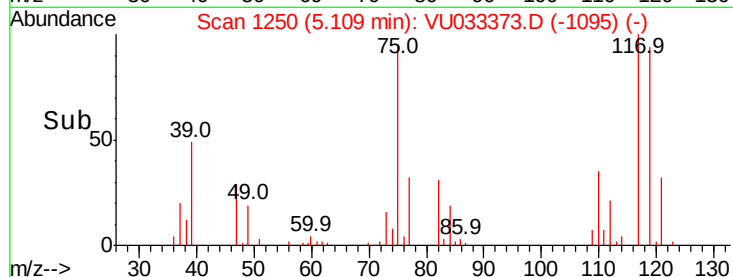
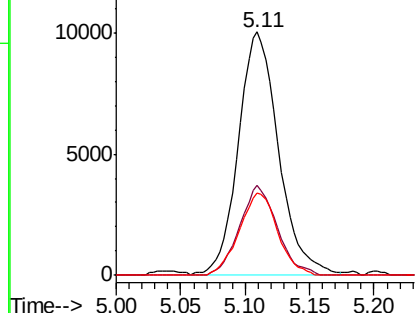
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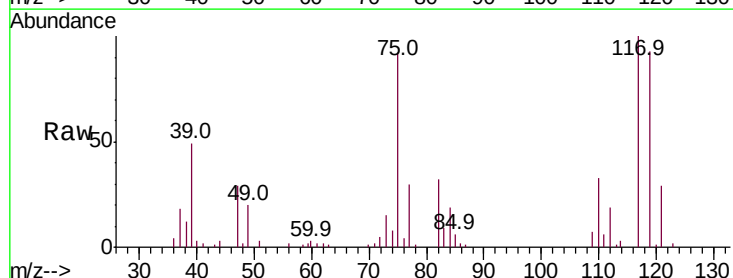


Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0

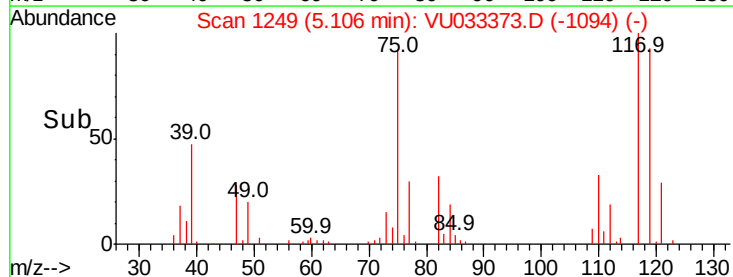
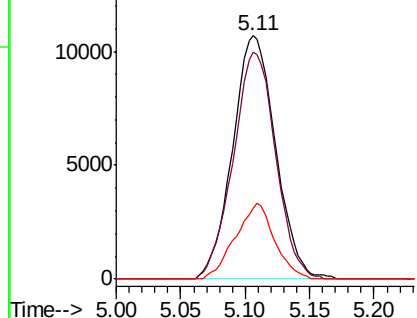


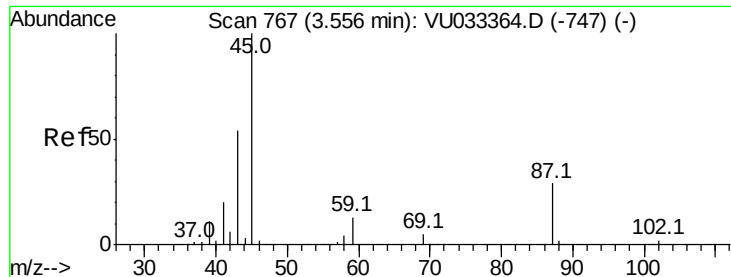
#30
Carbon Tetrachloride
Concen: 2.018 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.9	116.9
121	29.0	24.0	36.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 1.891 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 45 Resp: 37696

Ion Ratio Lower Upper

45 100

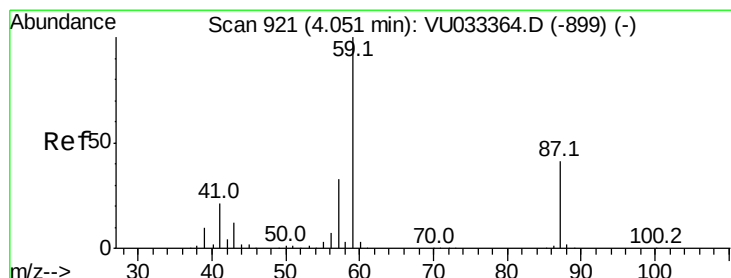
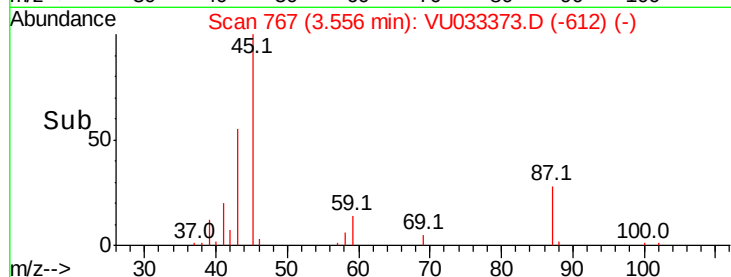
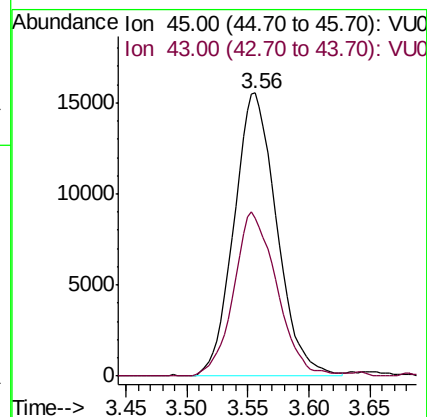
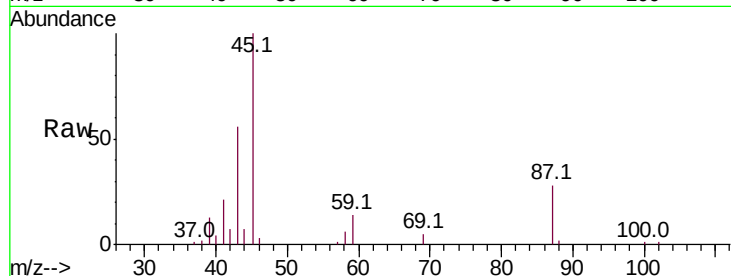
43 58.8 27.8 83.3

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#32

Ethyl-t-butyl ether

Concen: 1.815 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033373.D

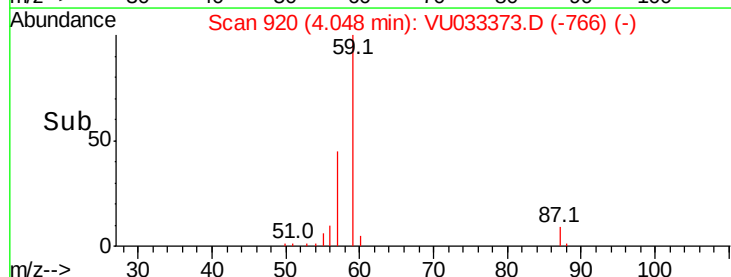
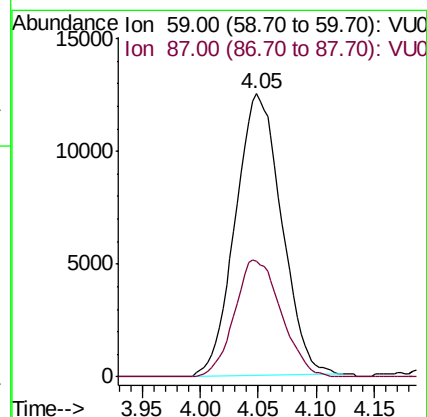
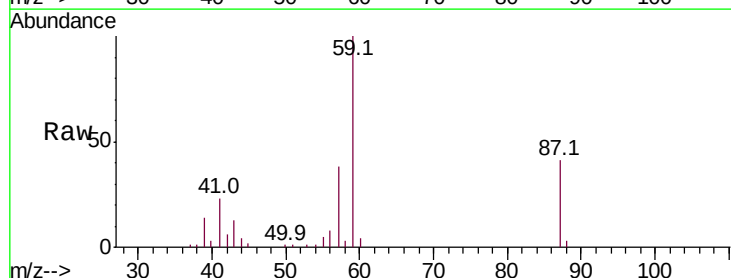
Acq: 23 Jul 2019 11:27

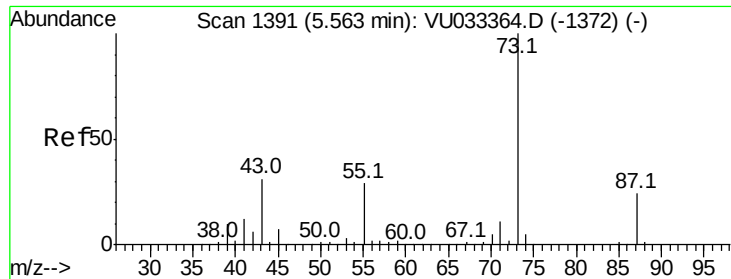
Tgt Ion: 59 Resp: 34787

Ion Ratio Lower Upper

59 100

87 41.9 33.8 50.6





#33

Tert-Amvl methvl ether
Concen: 1.794 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

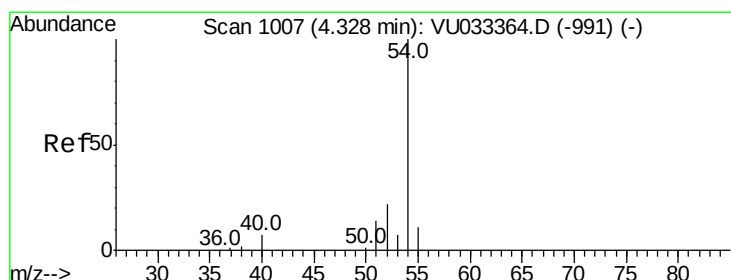
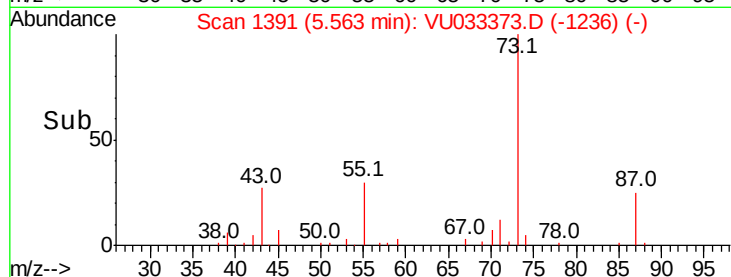
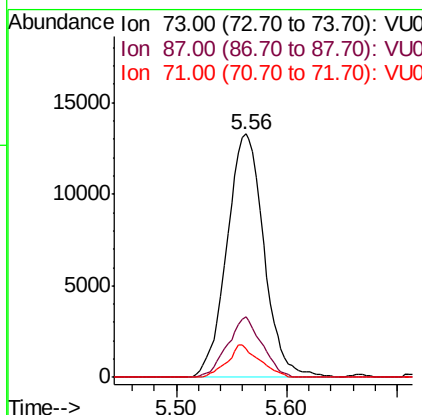
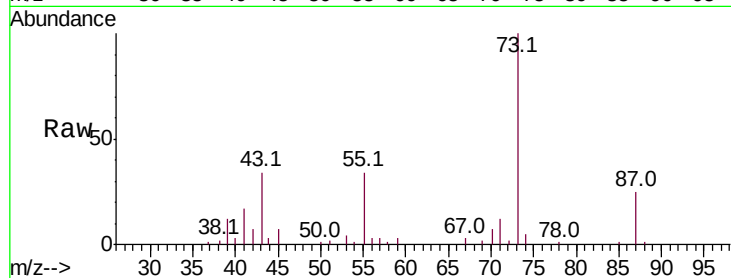
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.0	18.9	28.3
71	11.4	9.3	13.9

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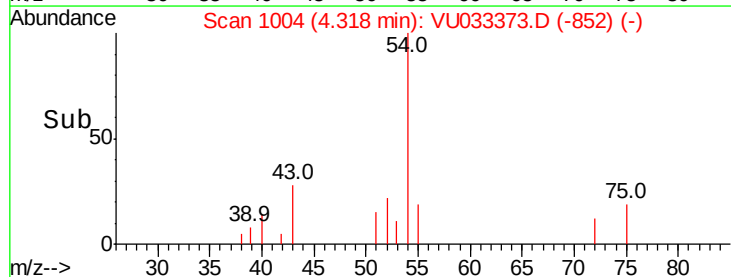
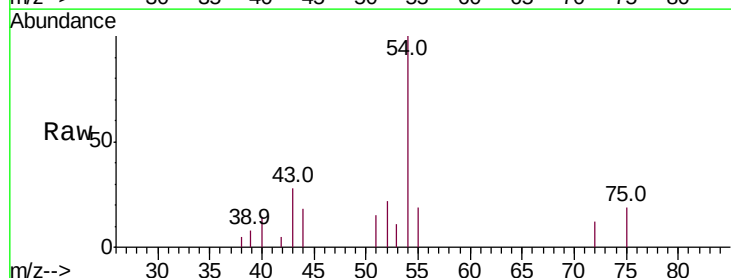
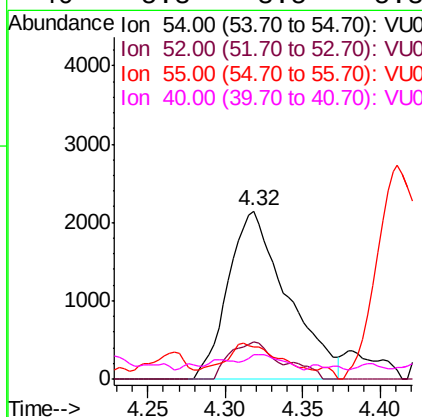
7/25/2019 11:15:42 AM

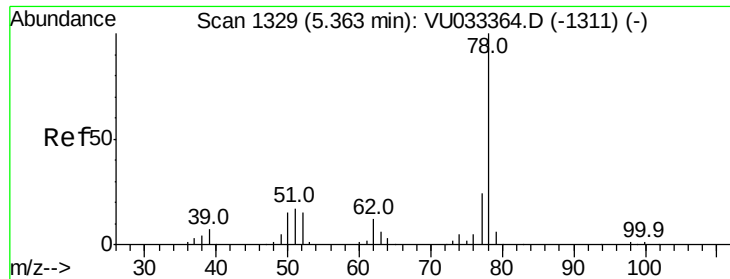


#34

Propionitrile
Concen: 8.779 ug/l
RT: 4.32 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
54	100		
52	15.7	17.1	25.7#
55	14.4	11.6	17.4
40	5.3	3.5	5.3#





#35
Benzene
Concen: 1.992 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

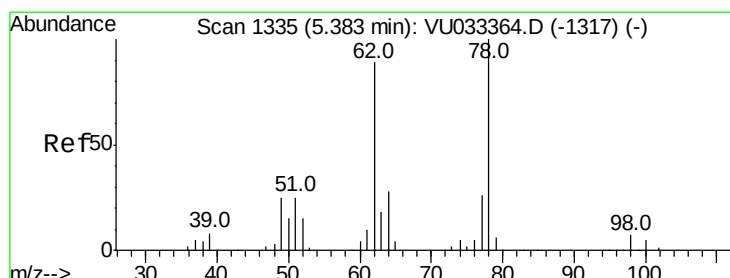
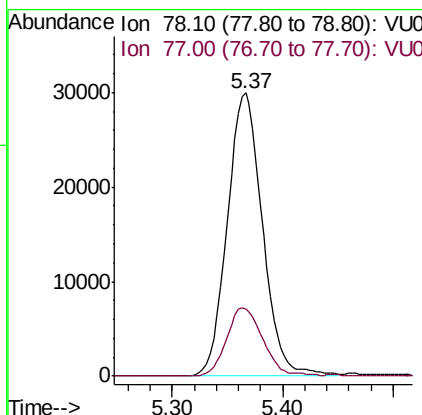
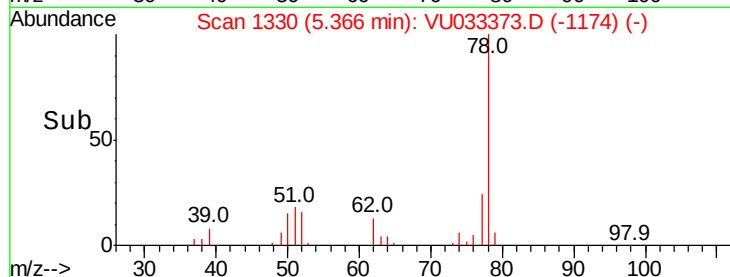
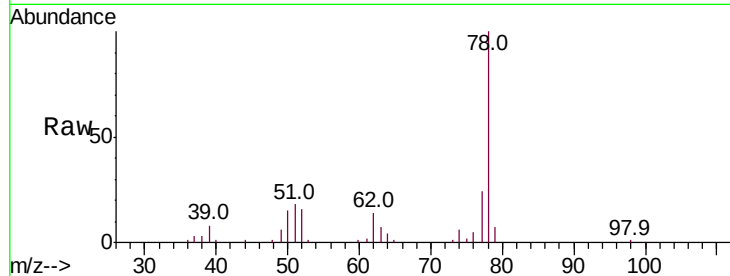
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion: 78 Resp: 66262
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.2

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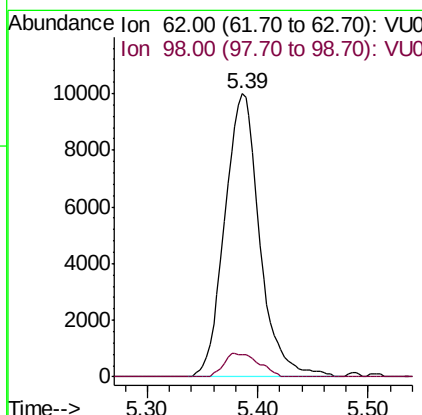
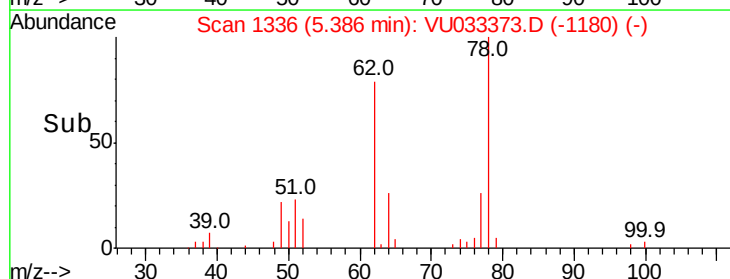
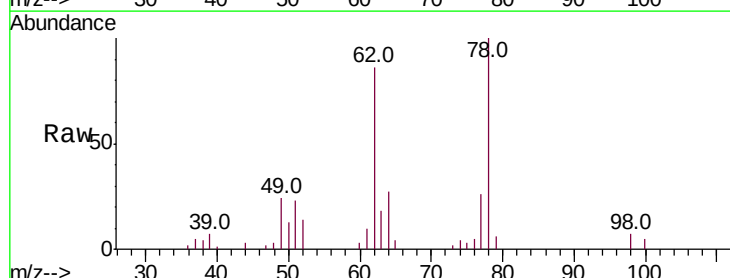
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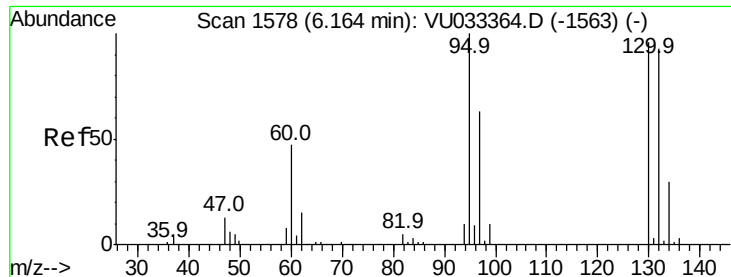
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#36
1,2-Dichloroethane
Concen: 1.981 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 62 Resp: 21932
Ion Ratio Lower Upper
62 100
98 8.4 6.5 9.7





#37
 Trichloroethene
 Concen: 1.971 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

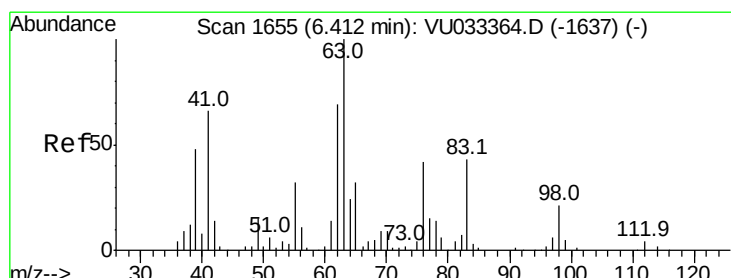
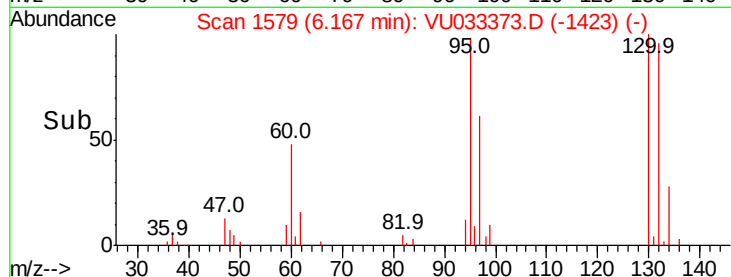
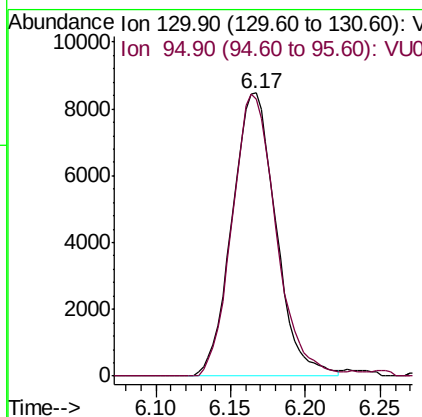
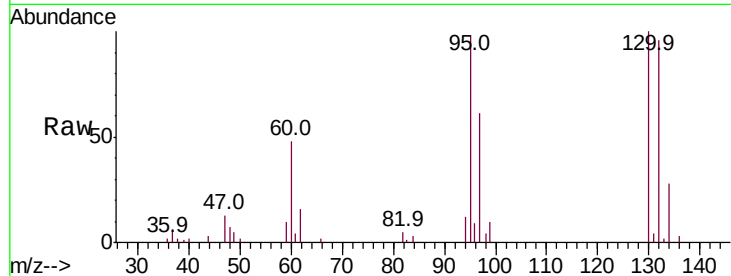
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion:130 Resp: 17303
 Ion Ratio Lower Upper
 130 100
 95 97.7 83.4 125.0

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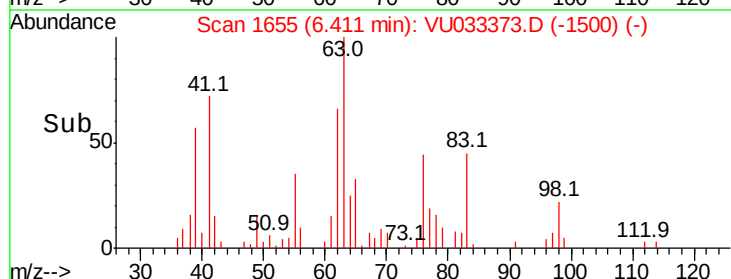
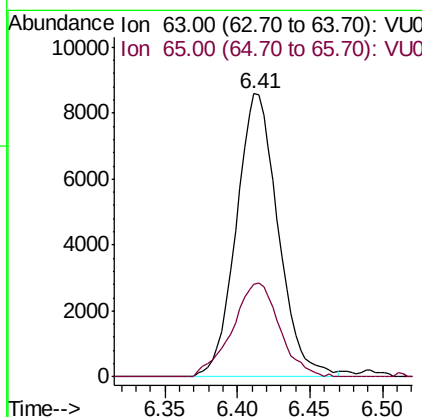
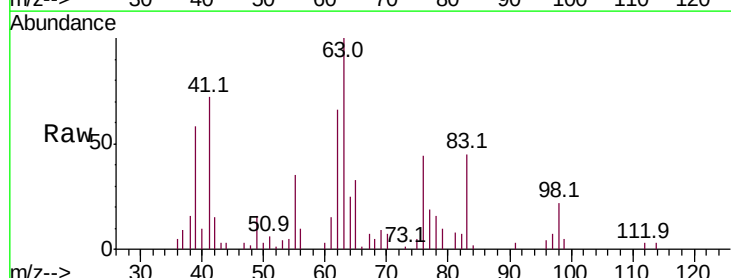
MMDadoda

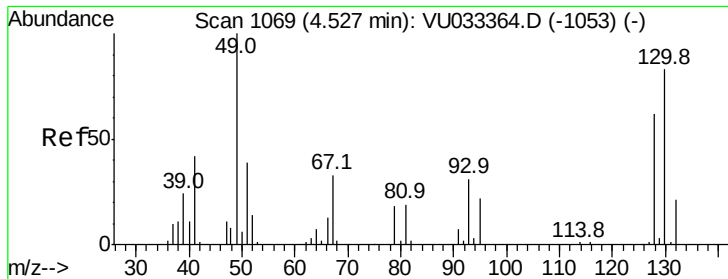
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#38
 1,2-Dichloropropane
 Concen: 1.881 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 63 Resp: 17264
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.7 38.5





#39
Methacrylonitrile
Concen: 1.838 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

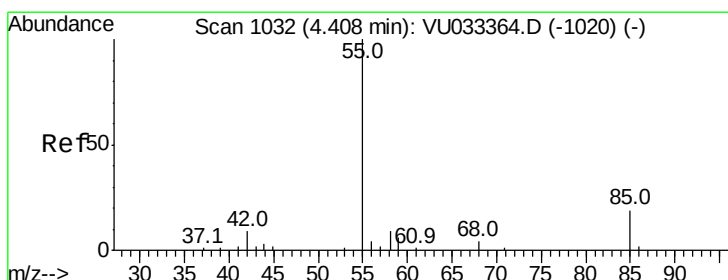
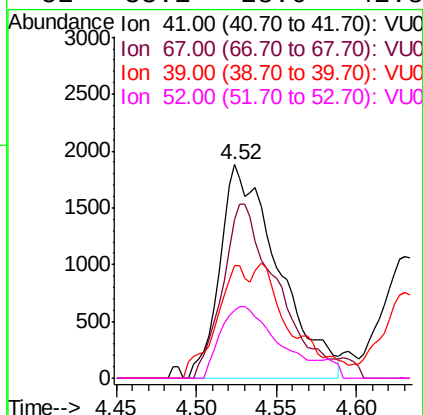
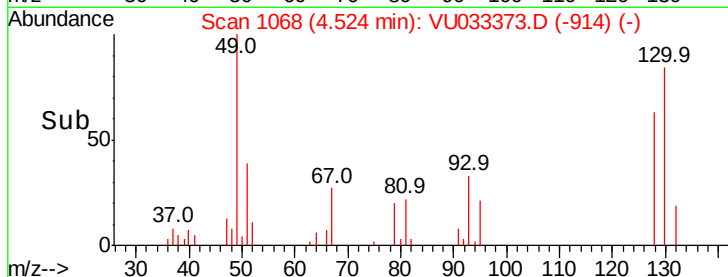
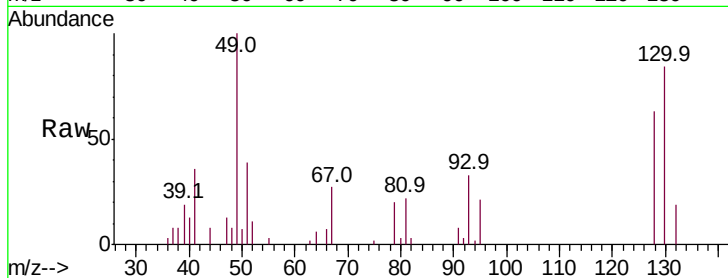
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
67	76.8	64.4	96.6
39	30.3	46.8	70.2#
52	33.1	28.6	42.8

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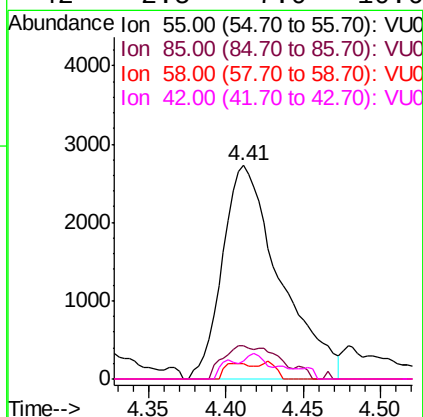
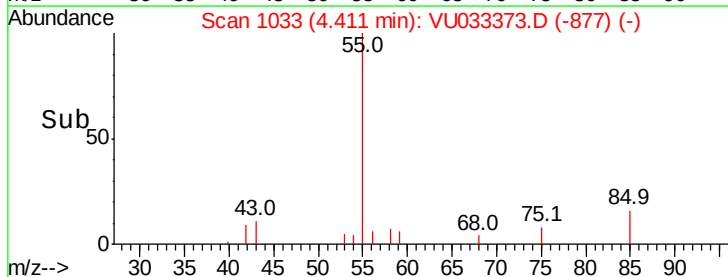
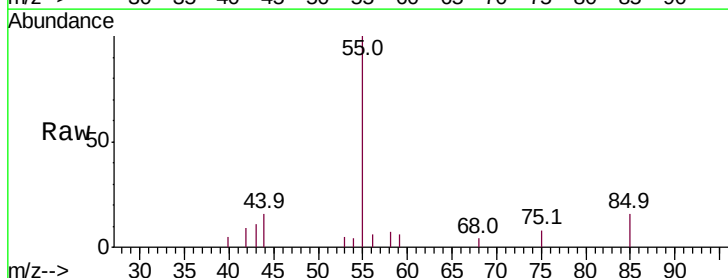
MMDadoda

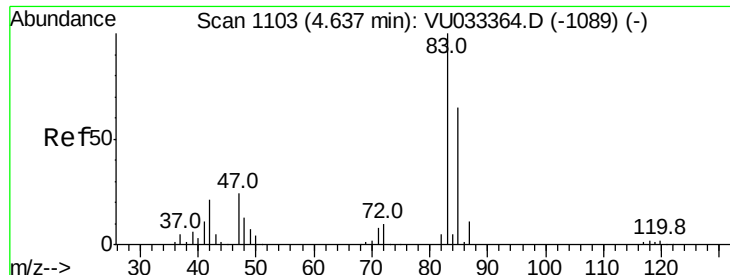
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#40
Methyl acrylate
Concen: 1.758 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.8	22.2#
58	2.0	7.1	10.7#
42	2.5	7.0	10.6#





#41
Tetrahydrofuran
Concen: 3.280 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

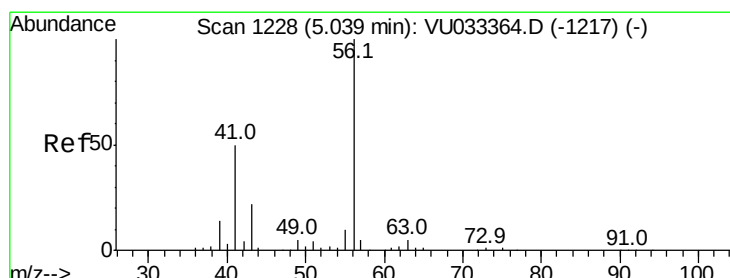
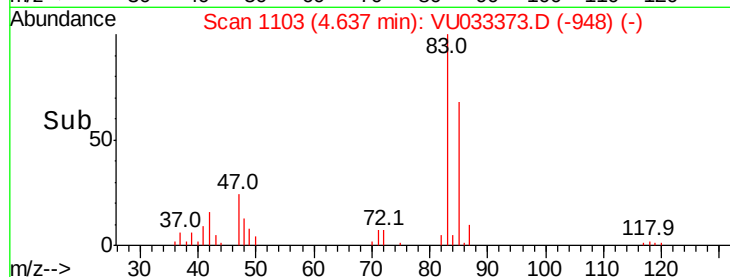
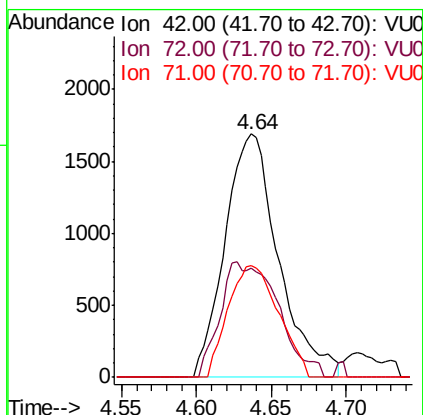
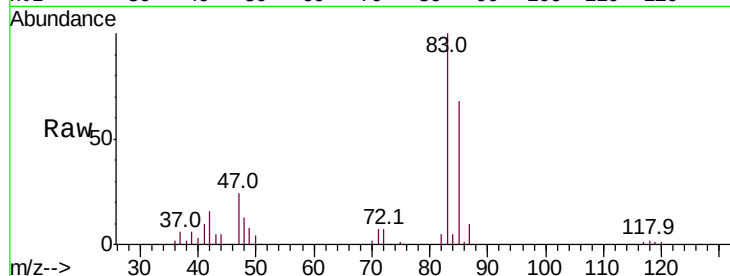
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	38.7	58.1
71	43.1	34.6	52.0

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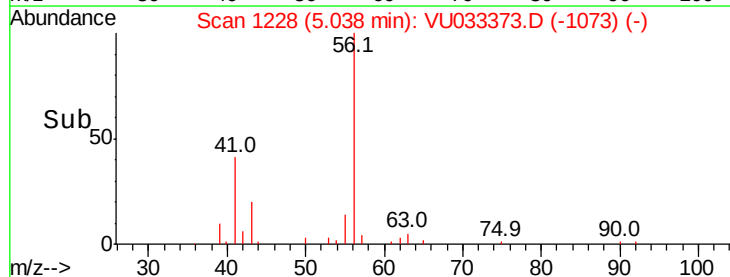
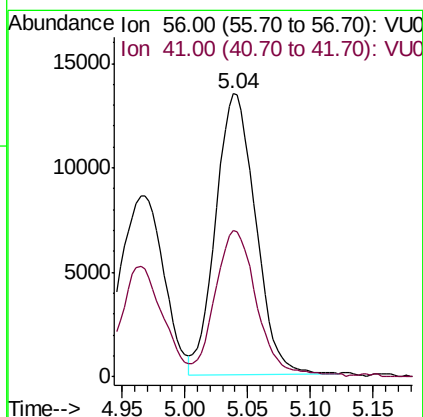
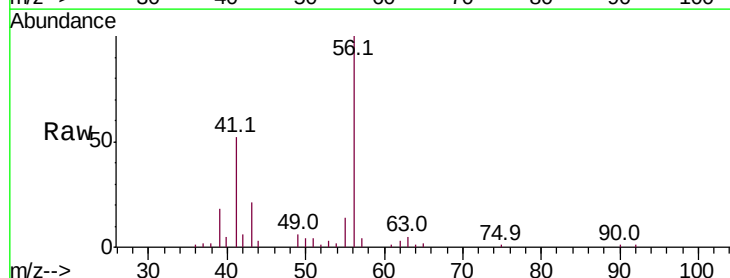
MMDadoda

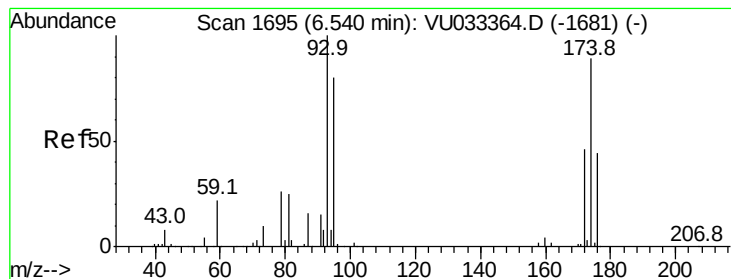
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#42
1-Chlorobutane
Concen: 1.919 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
56	100		
41	52.8	25.7	77.1





#43

Dibromomethane

Concen: 1.918 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

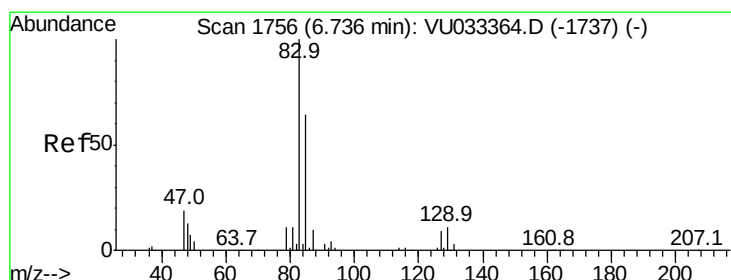
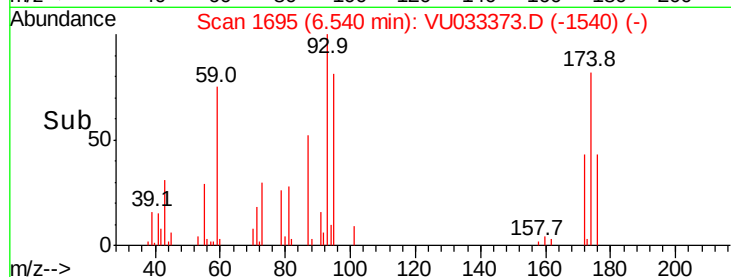
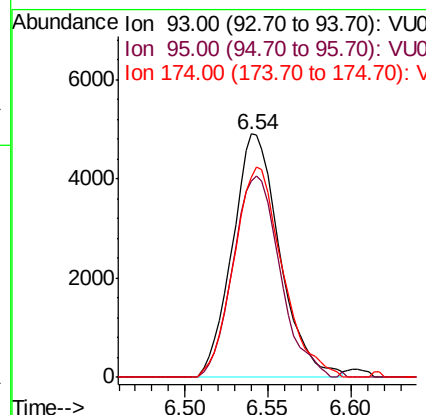
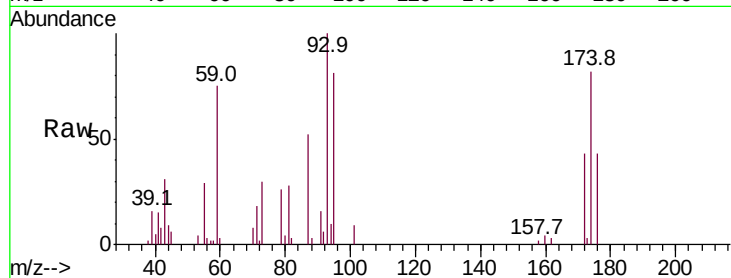
VU0723WBS01

Tot Ion:	93	Resp:	9743
Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.3	97.9
174	88.3	70.7	106.1

Manual Integrations
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7/25/2019 11:15:42 AM



#44

Bromodichloromethane

Concen: 1.901 ug/l

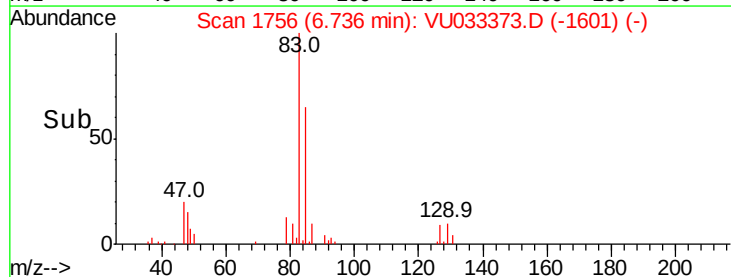
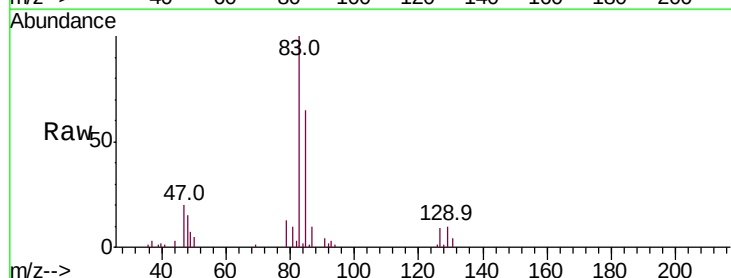
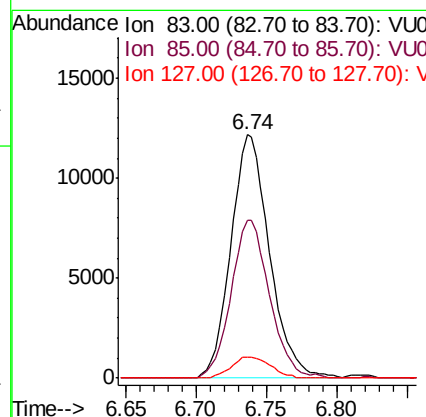
RT: 6.74 min Scan# 1756

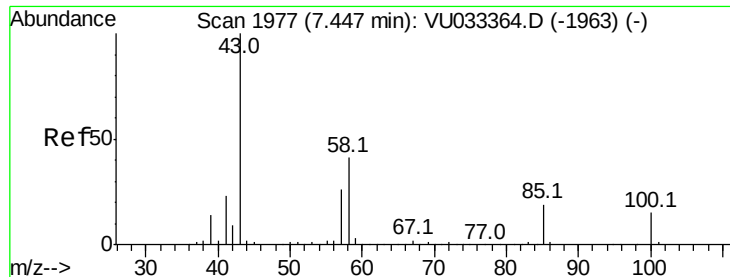
Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Tgt Ion:	83	Resp:	23289
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.8	7.2	10.8





#45
4-Methyl-2-Pentanone
Concen: 8.218 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

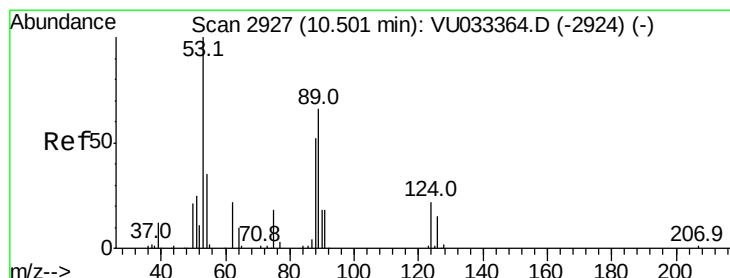
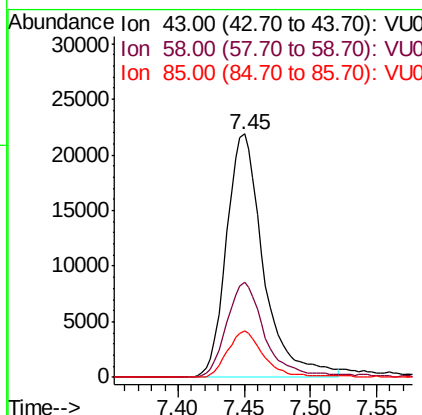
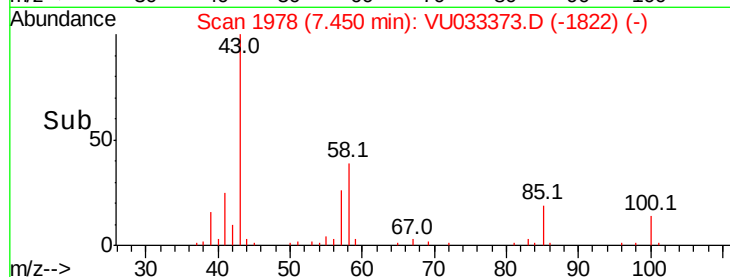
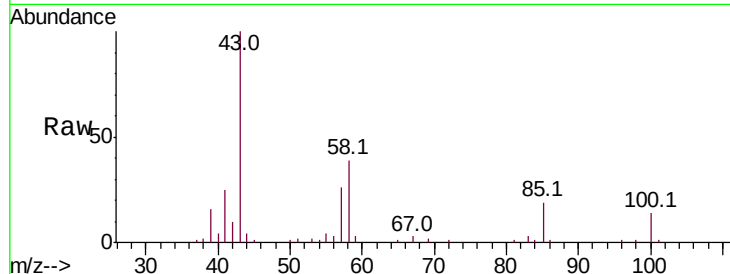
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	20.3	60.8
85	18.4	15.0	22.6

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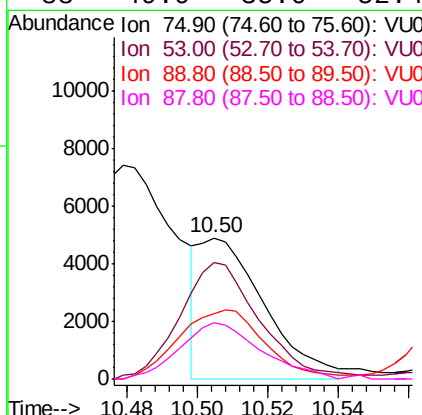
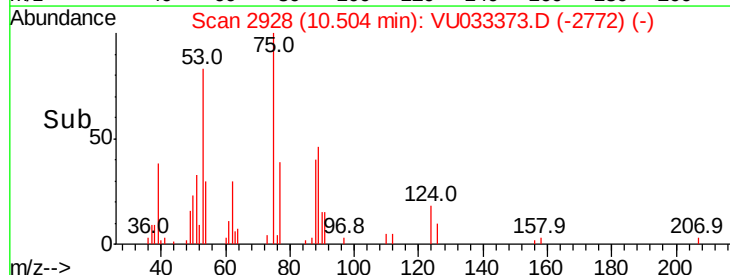
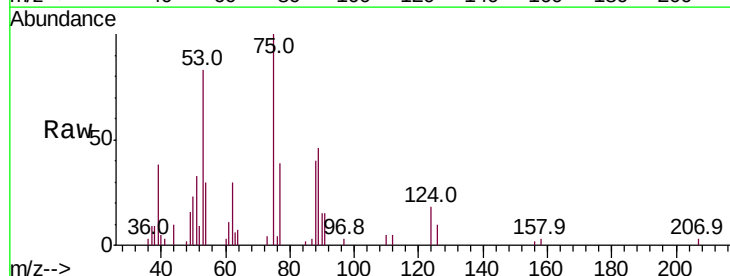
MMDadoda

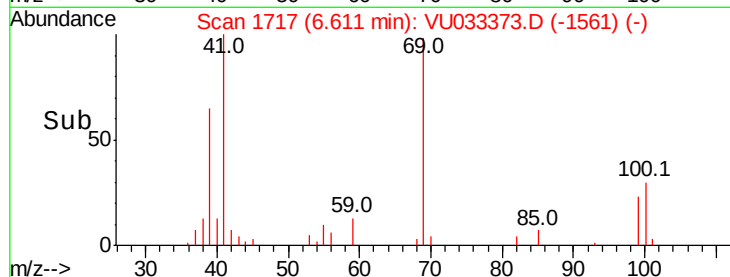
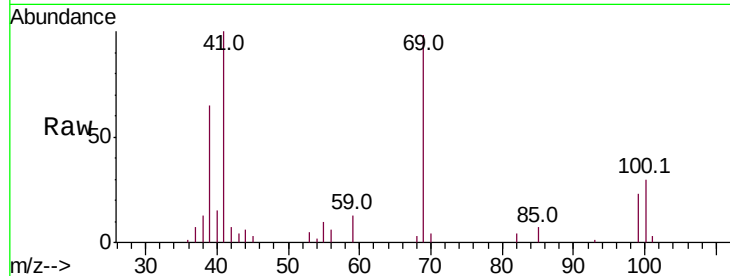
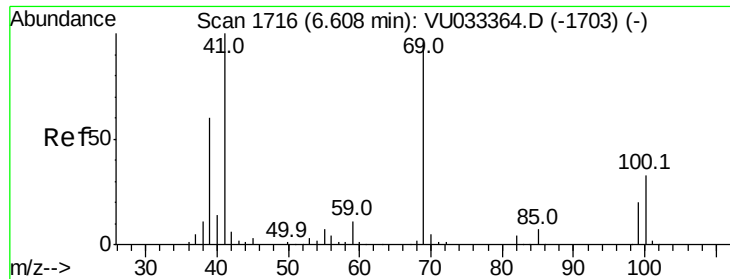
7/25/2019 11:15:42 AM



#46
t-1,4-Dichloro-2-butene
Concen: 2.987 ug/l m
RT: 10.50 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.1	62.9	94.3#
89	65.5	43.0	64.4#
88	49.9	35.0	52.4





#47
Methyl methacrylate
Concen: 3.579 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

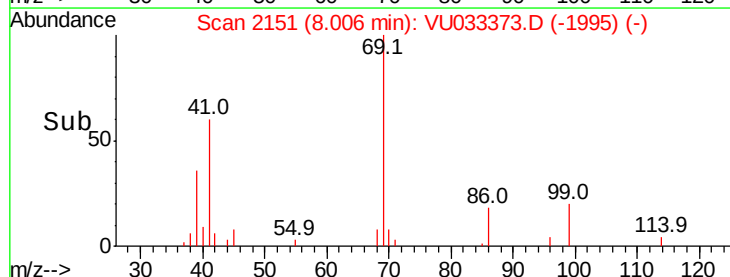
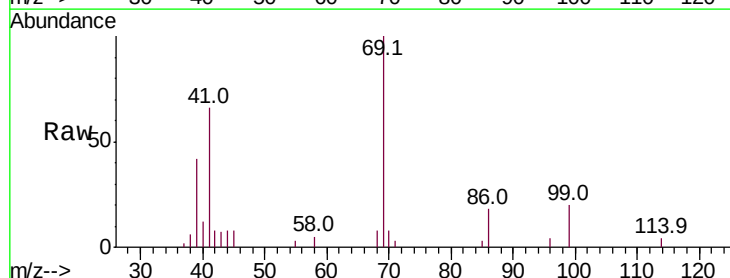
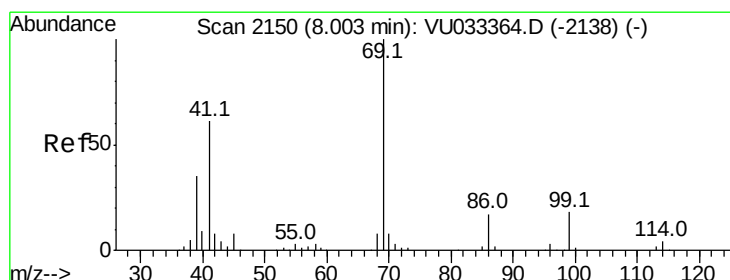
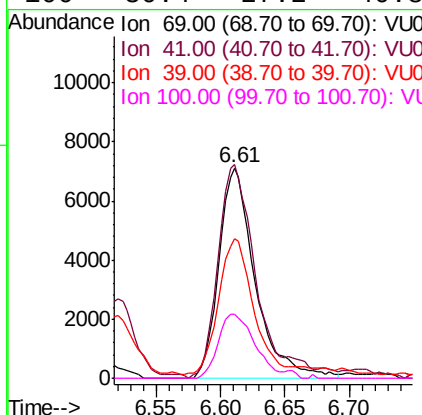
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	106.3	0.0	208.2	
39	60.5	50.6	75.8	
100	30.4	27.2	40.8	

Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

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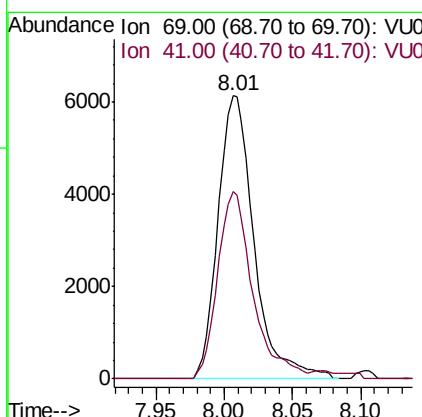
MMDadoda

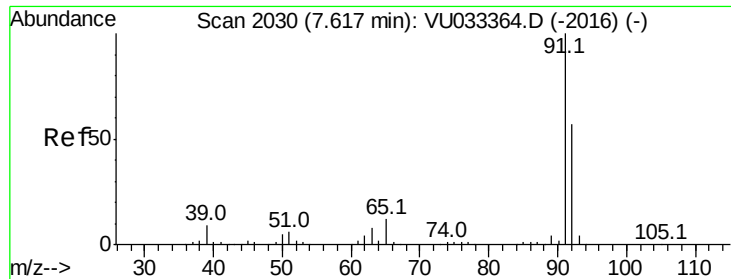
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#48
Ethyl methacrylate
Concen: 1.648 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.5	30.9	92.7	





#49

Toluene

Concen: 1.928 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion: 92 Resp: 36728

Ion Ratio Lower Upper

92 100

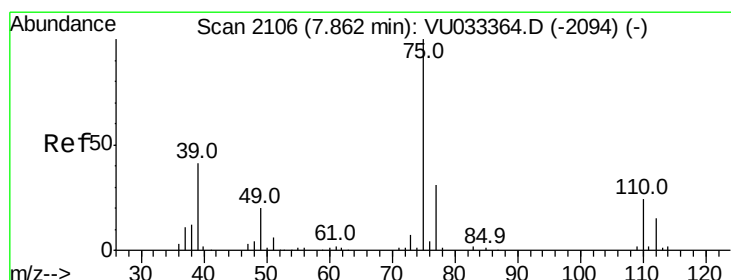
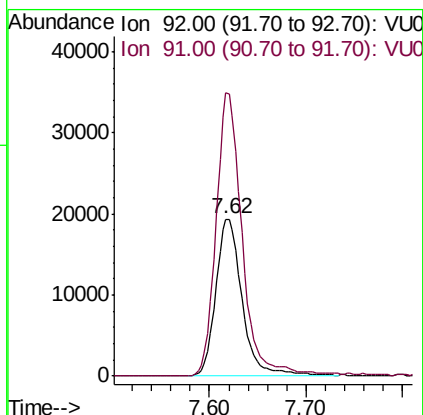
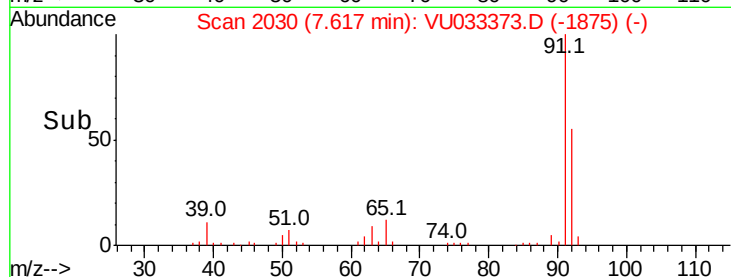
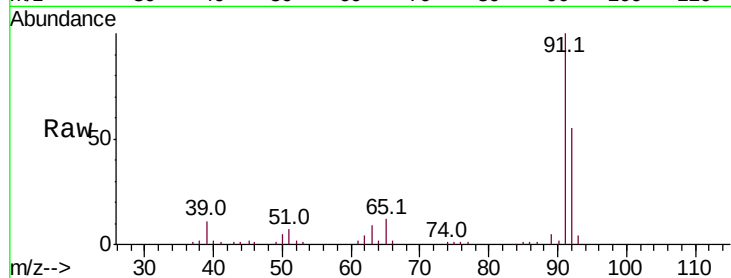
91 178.1 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 1.897 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033373.D

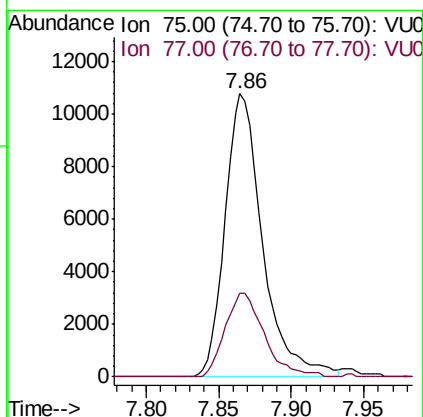
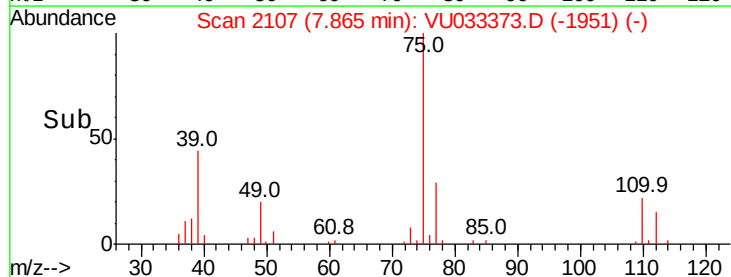
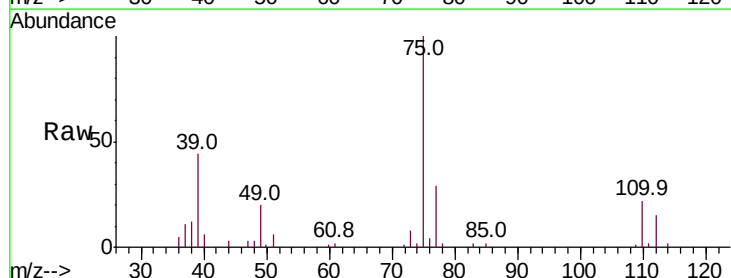
Acq: 23 Jul 2019 11:27

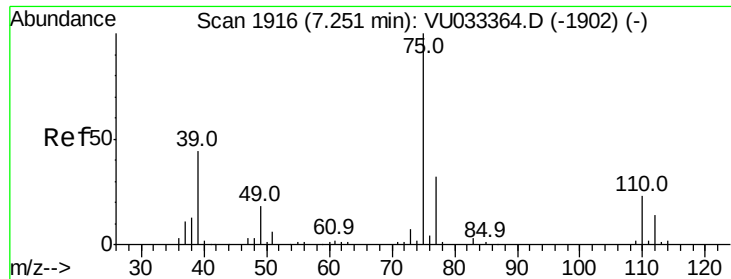
Tgt Ion: 75 Resp: 19384

Ion Ratio Lower Upper

75 100

77 29.4 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 1.920 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

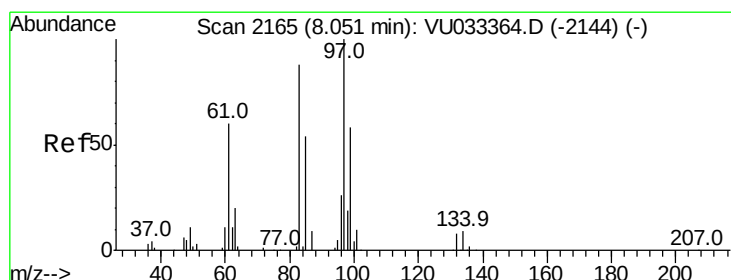
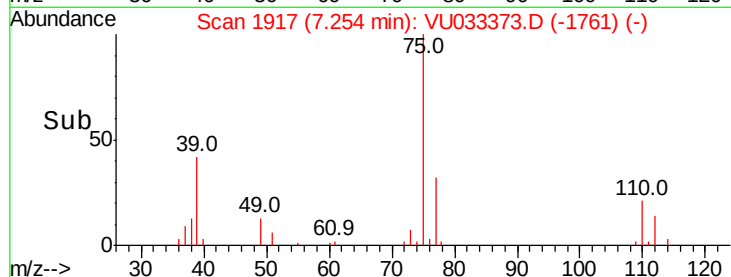
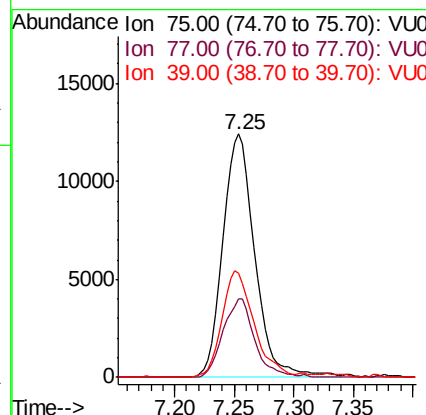
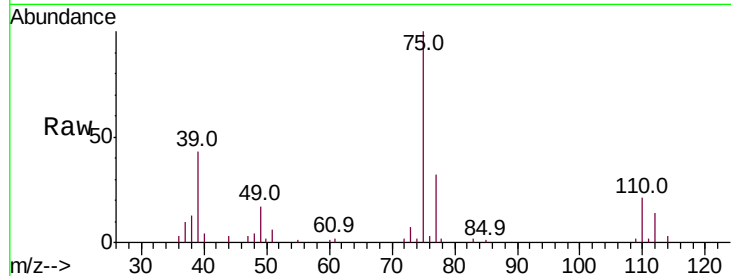
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	42.9	35.2	52.8

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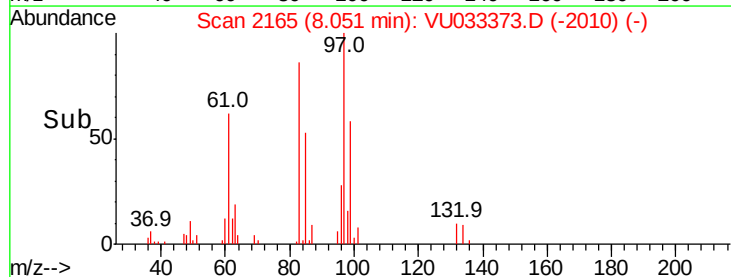
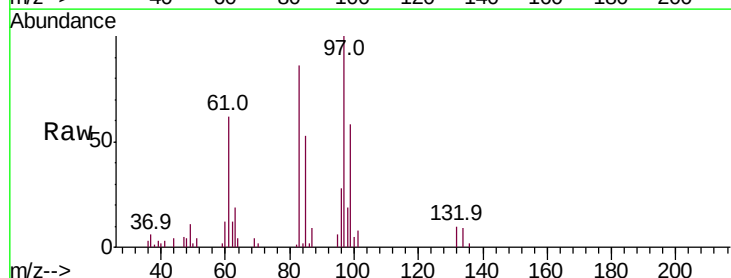
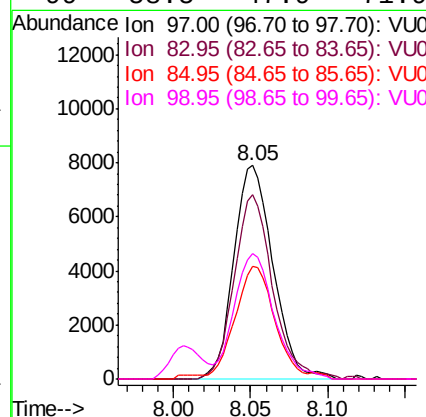
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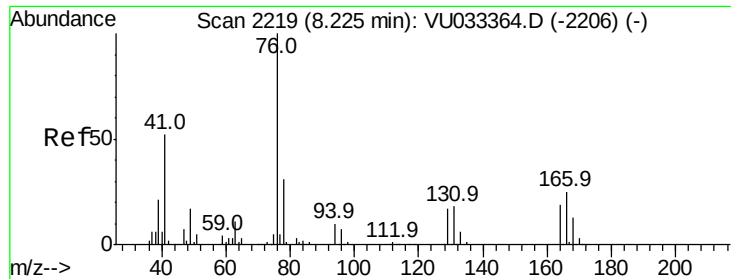
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#52
 1,1,2-Trichloroethane
 Concen: 2.045 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.2	105.2
85	53.0	43.5	65.3
99	58.5	47.9	71.9





#53
 1,3-Dichloropropane
 Concen: 1.855 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

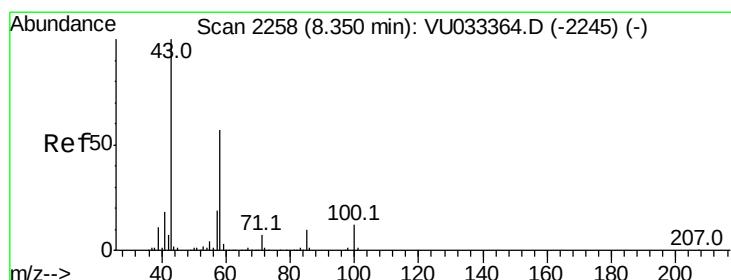
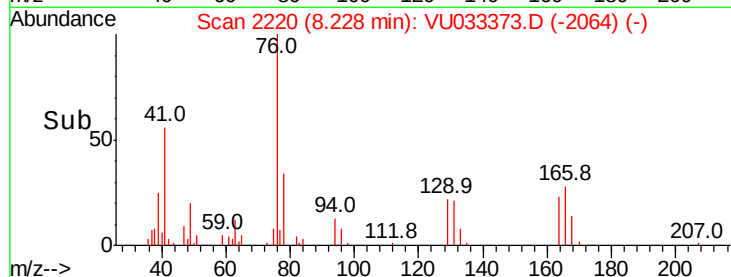
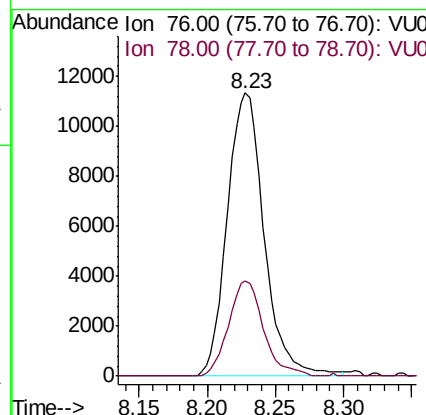
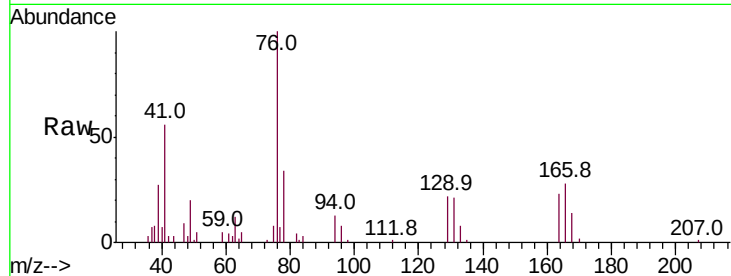
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion: 76 Resp: 21289
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

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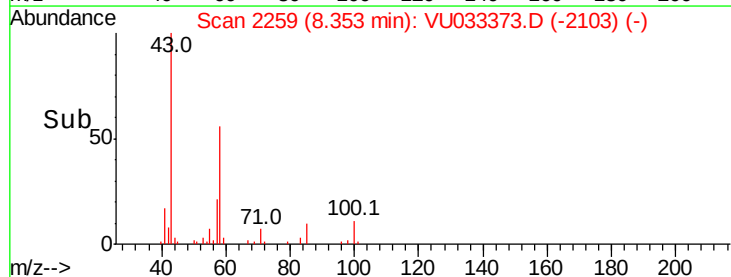
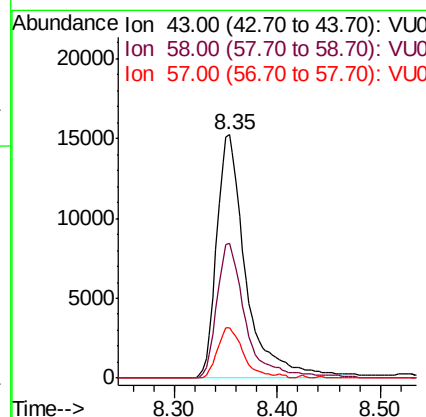
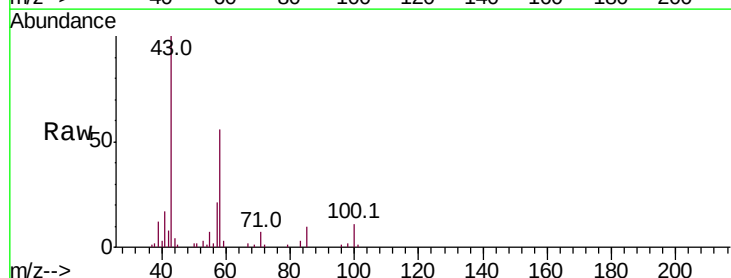
MMDadoda

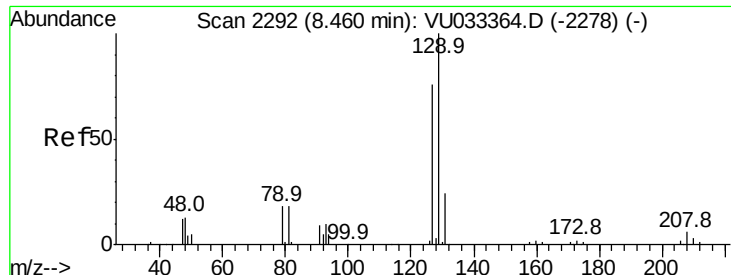
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#54
 2-Hexanone
 Concen: 8.249 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion: 43 Resp: 30088
 Ion Ratio Lower Upper
 43 100
 58 53.8 36.0 76.0
 57 18.7 0.0 39.4





#55
Dibromochloromethane
Concen: 1.888 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

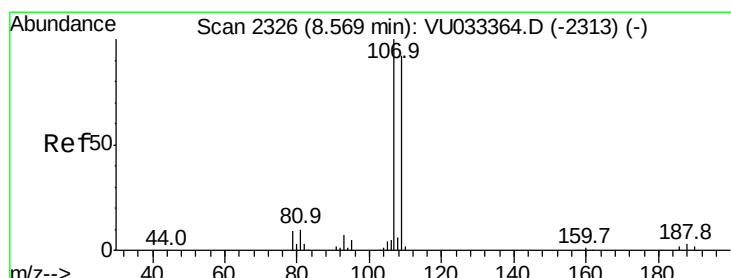
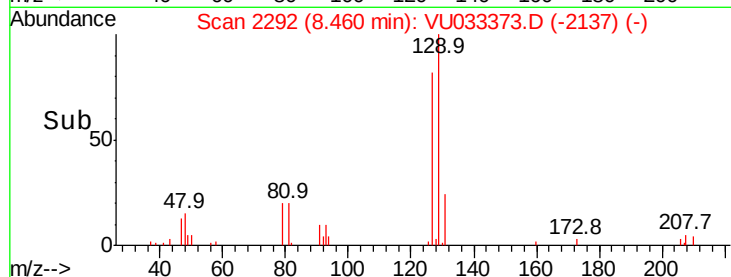
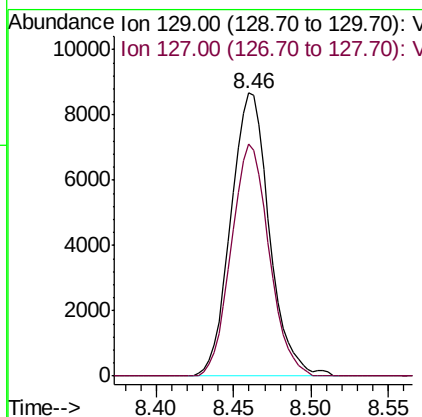
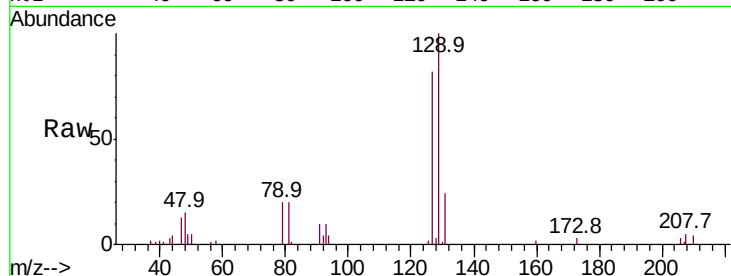
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.3	60.9	91.3

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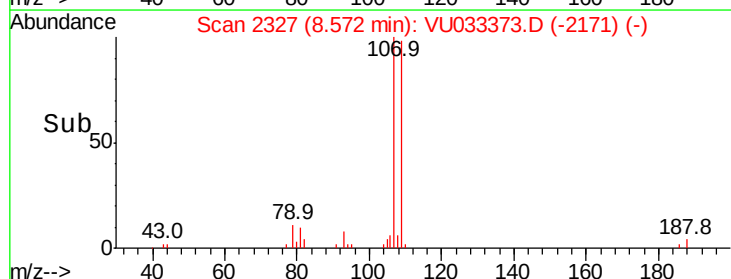
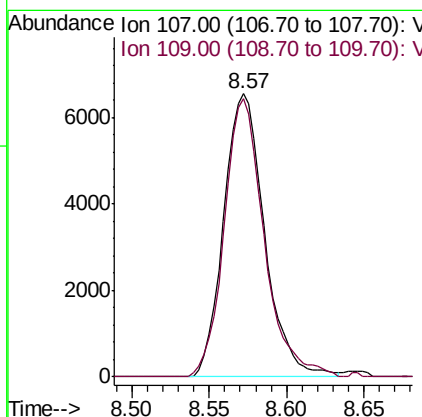
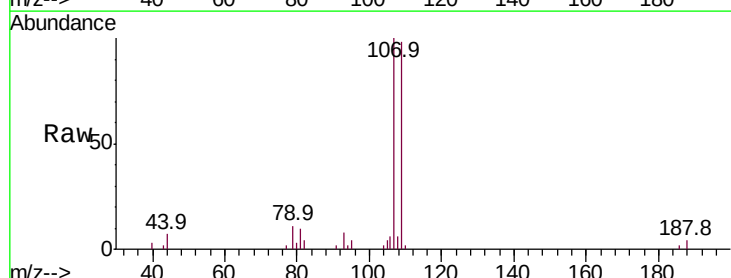
MMDadoda

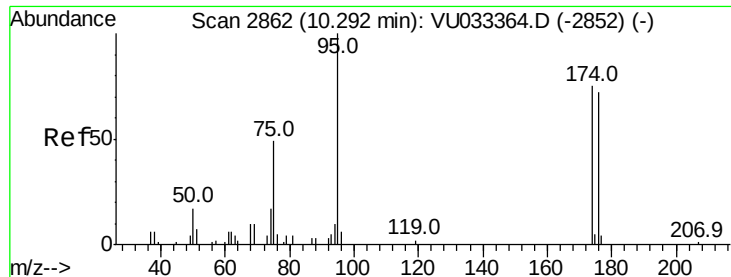
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#56
1,2-Dibromoethane
Concen: 1.893 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.2	0.0	184.8





#57
4-Bromofluorobenzene
Concen: 0.969 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

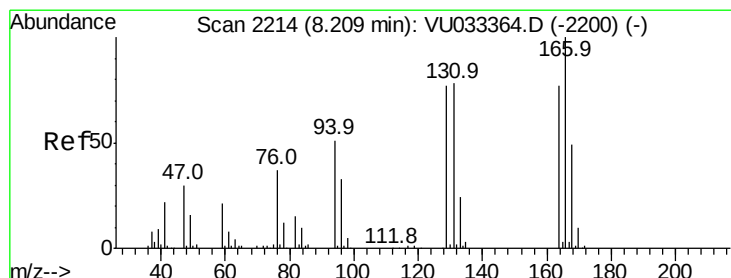
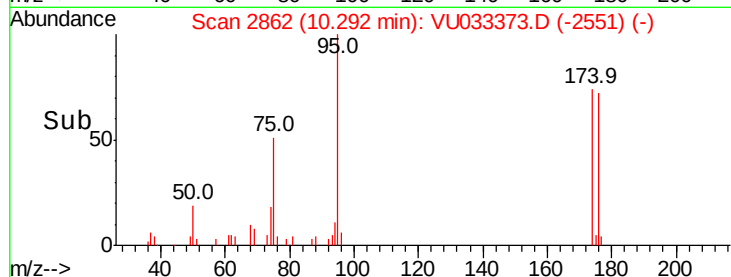
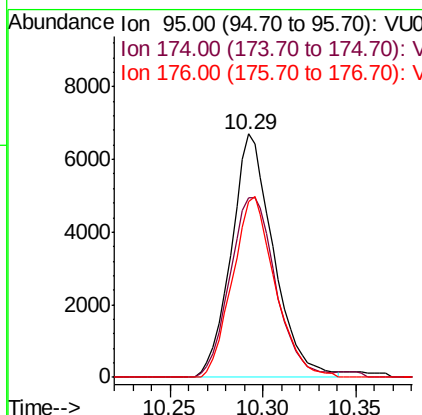
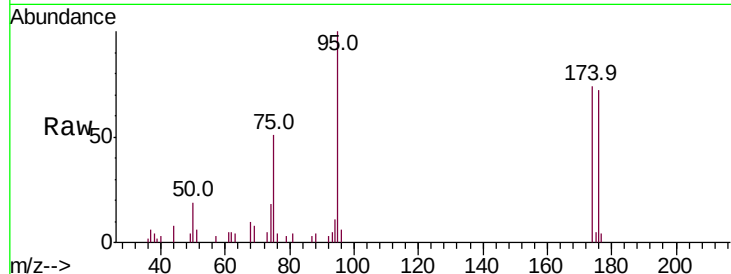
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.1	58.8	88.2
176	75.0	54.4	81.6

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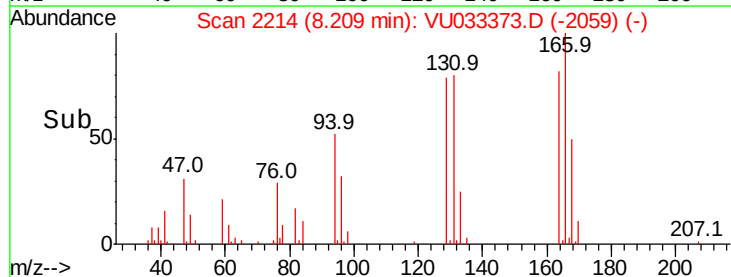
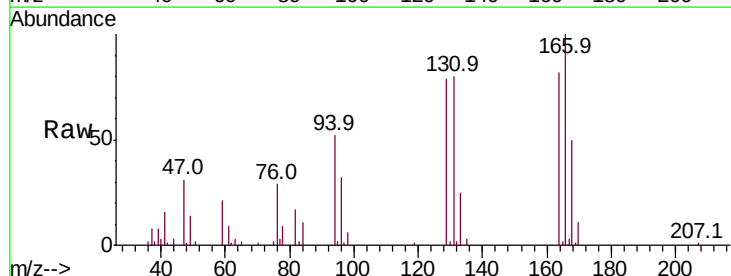
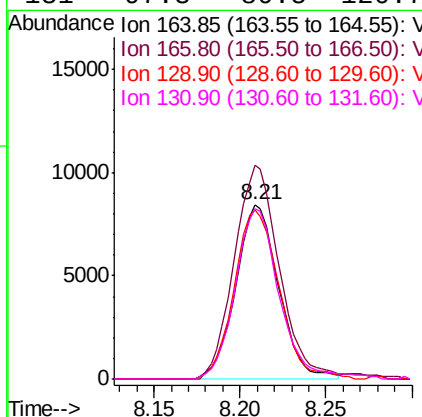
MMDadoda

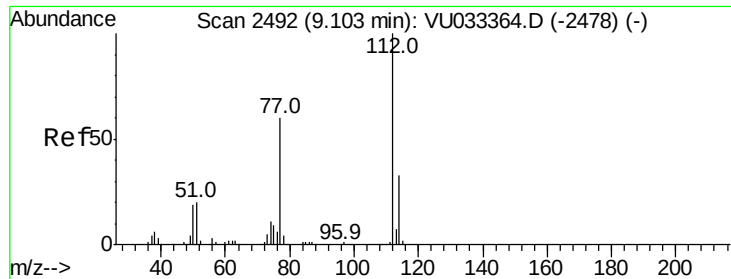
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#58
Tetrachloroethene
Concen: 1.842 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	103.8	155.6
129	96.8	79.7	119.5
131	97.3	80.5	120.7





#59
Chlorobenzene
Concen: 1.948 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

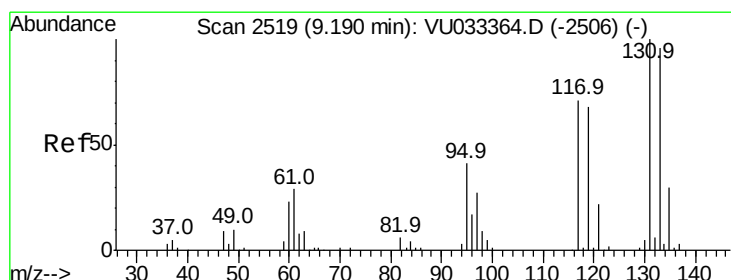
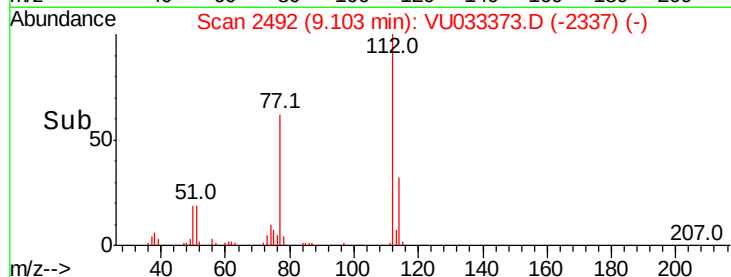
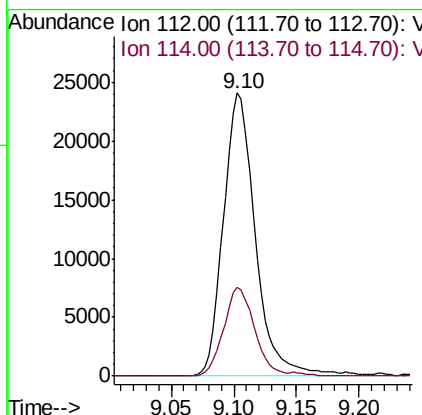
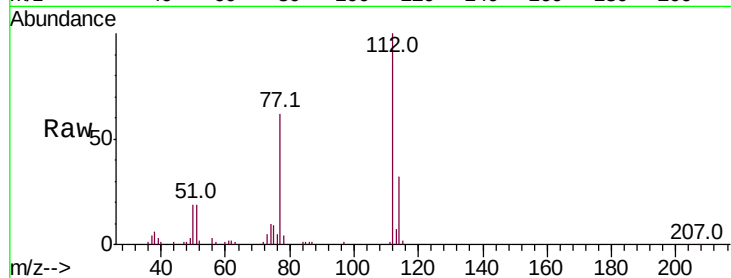
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion:112 Resp: 42548
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6

Manual Integrations
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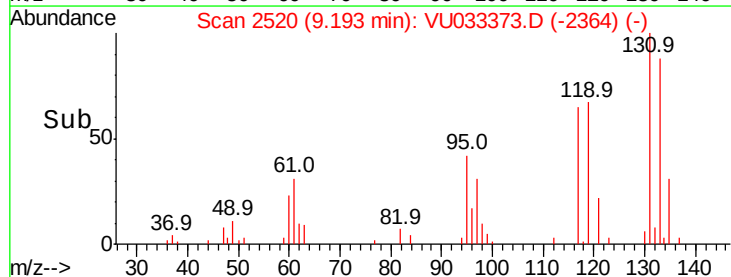
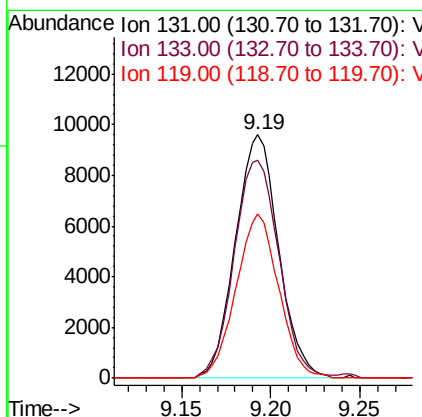
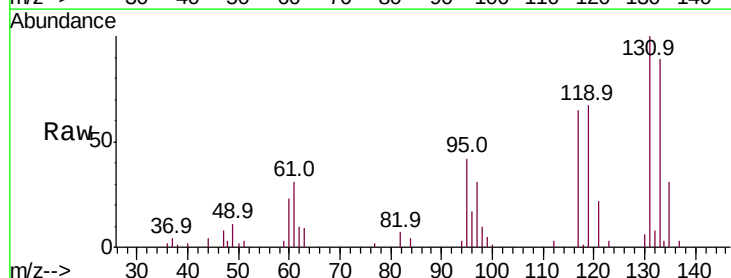
MMDadoda

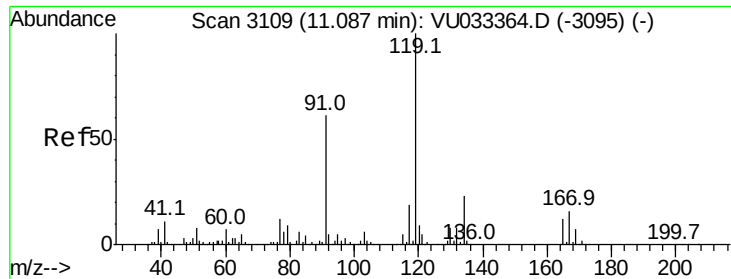
7/25/2019 11:15:42 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.951 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion:131 Resp: 16184
Ion Ratio Lower Upper
131 100
133 93.3 76.2 114.4
119 66.8 54.9 82.3





#61
 Pentachloroethane
 Concen: 1.930 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

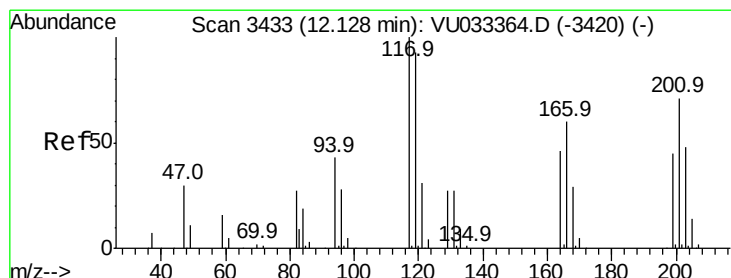
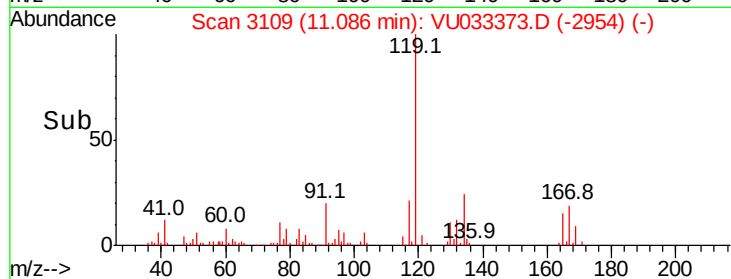
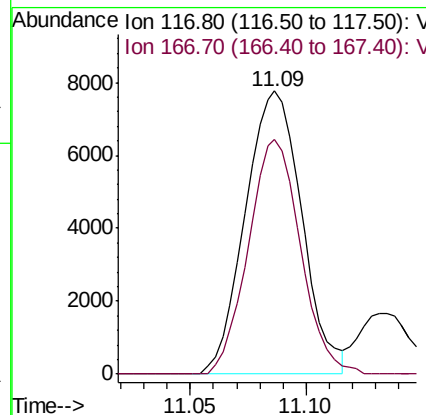
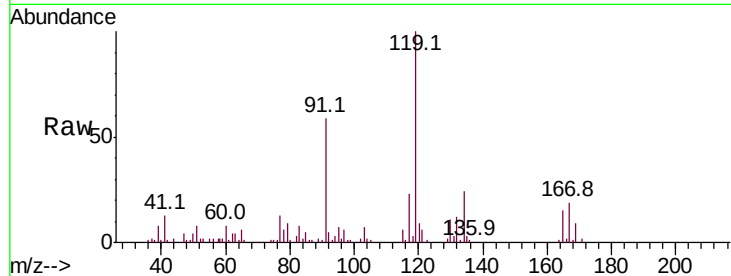
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion:117 Resp: 13143
 Ion Ratio Lower Upper
 117 100
 167 76.7 63.4 95.0

Manual Integrations
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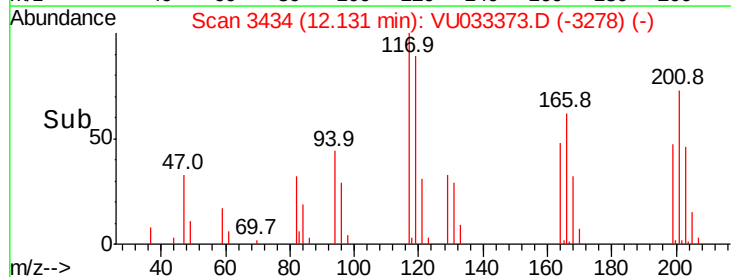
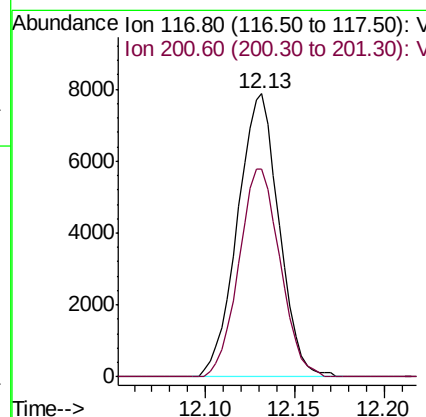
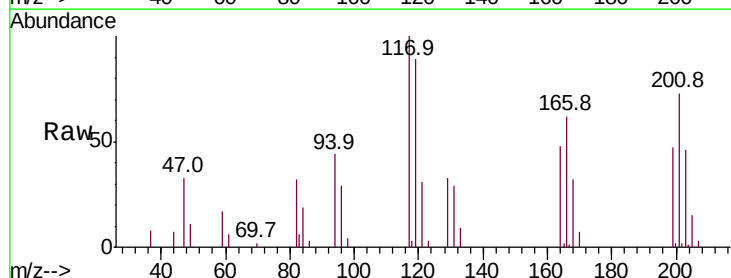
MMDadoda

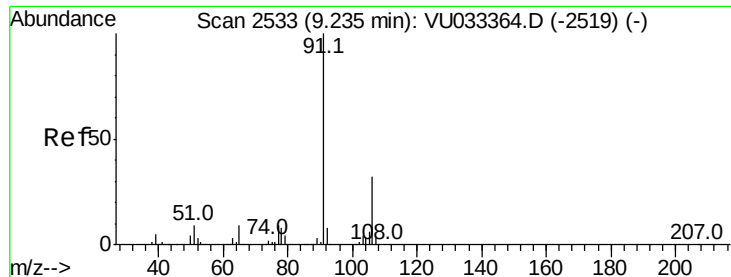
7/25/2019 11:15:42 AM



#62
 Hexachloroethane
 Concen: 1.931 ug/l
 RT: 12.13 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion:117 Resp: 12723
 Ion Ratio Lower Upper
 117 100
 201 73.0 57.9 86.9





#63
Ethyl Benzene
Concen: 1.853 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

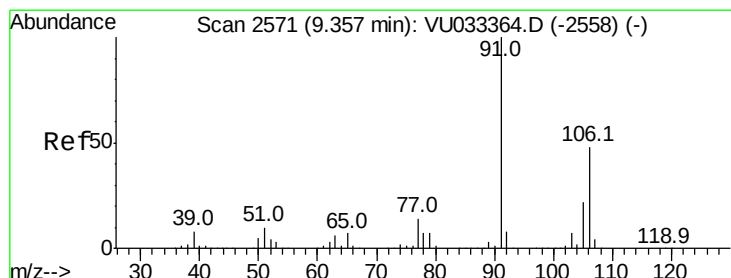
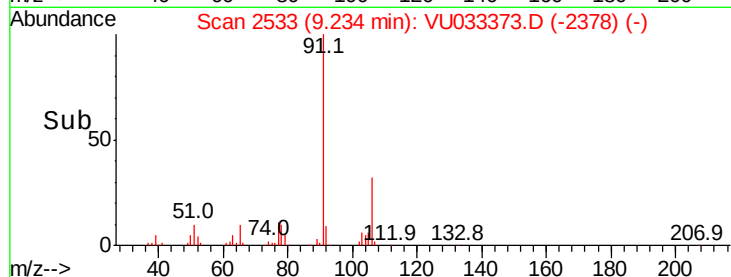
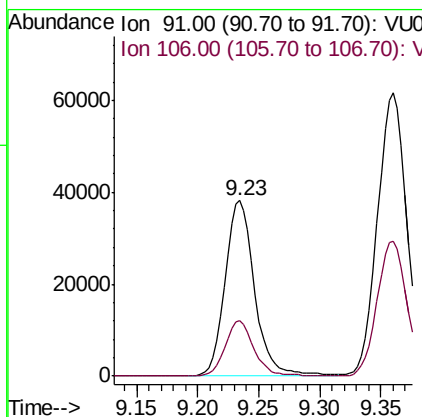
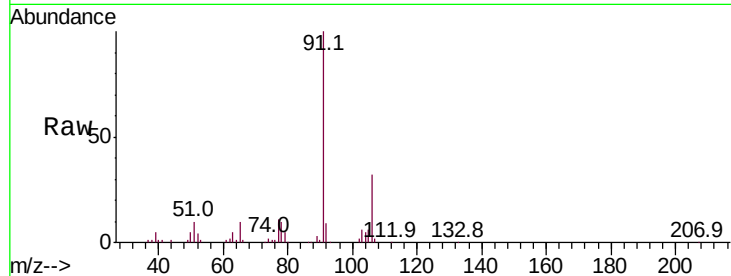
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion: 91 Resp: 65007
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2

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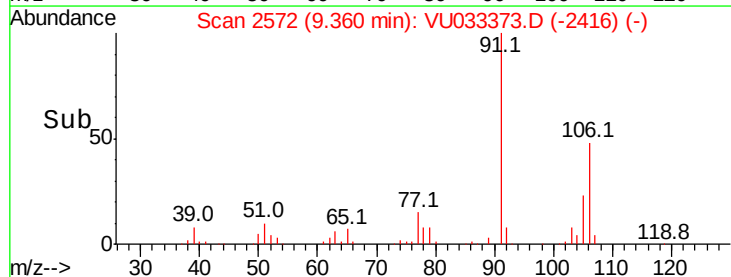
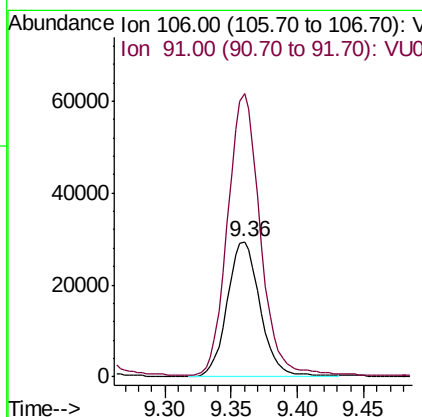
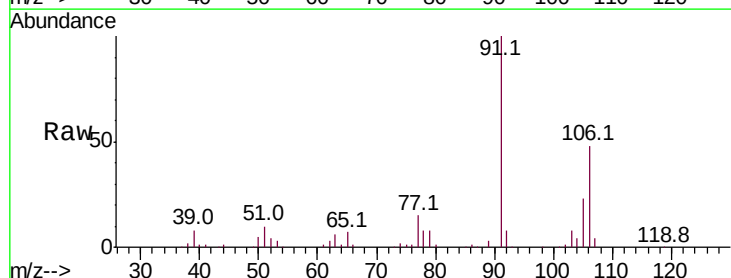
MMDadoda

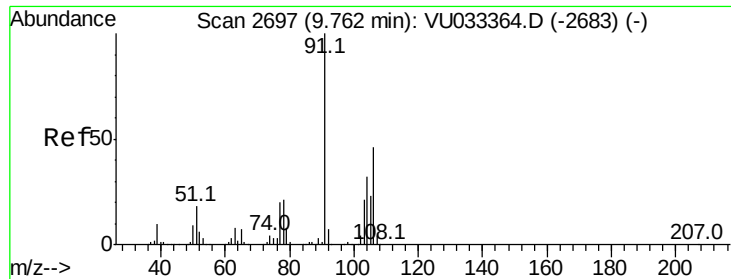
7/25/2019 11:15:42 AM



#64
m/p-Xylenes
Concen: 3.564 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion: 106 Resp: 49984
Ion Ratio Lower Upper
106 100
91 210.8 167.1 250.7





#65
o-Xylene
Concen: 1.864 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

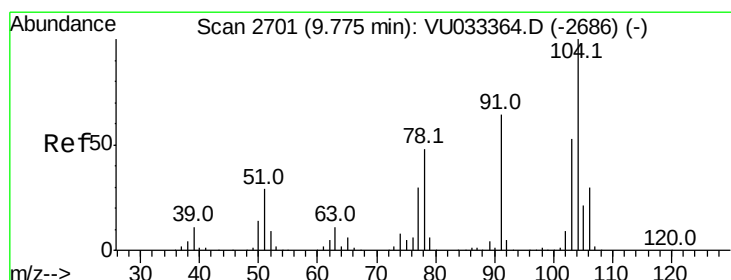
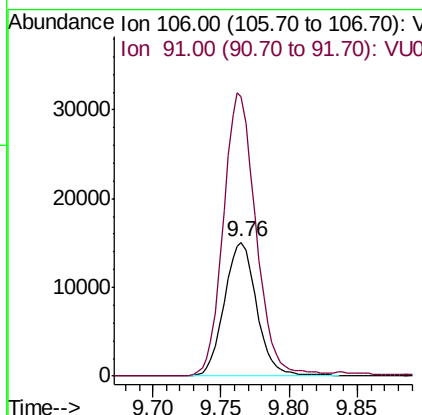
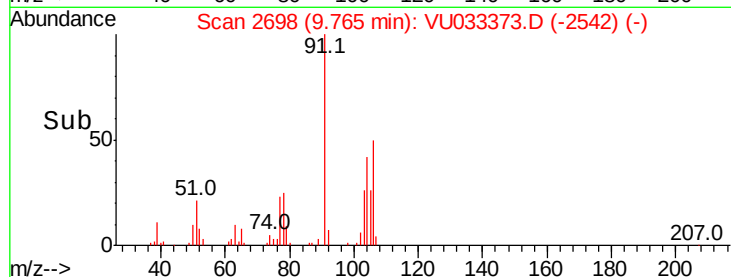
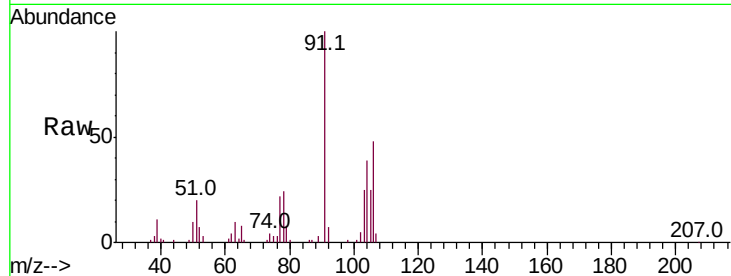
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion:106 Resp: 25055
Ion Ratio Lower Upper
106 100
91 211.7 108.5 325.3

Manual Integrations
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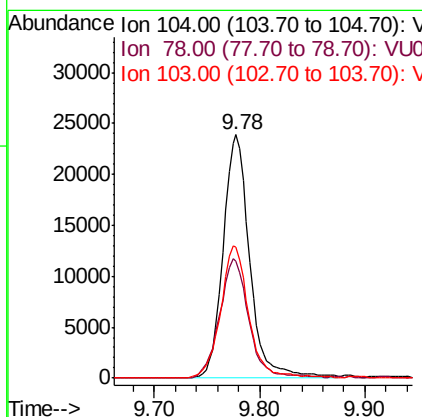
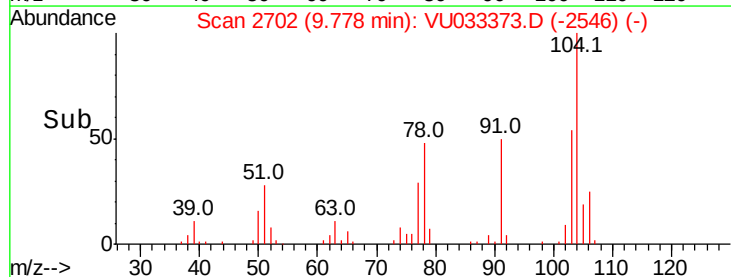
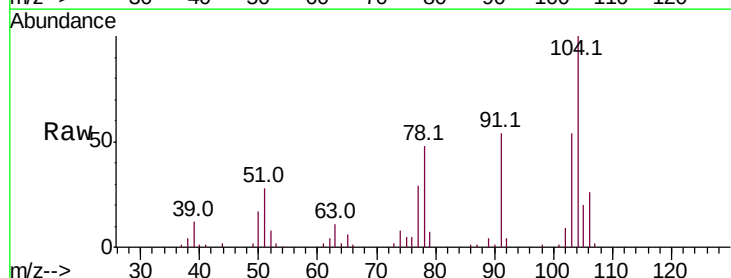
MMDadoda

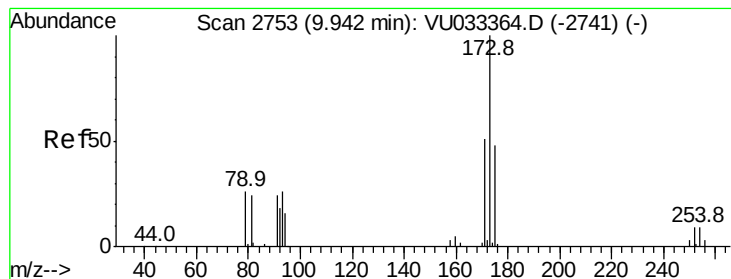
7/25/2019 11:15:42 AM



#66
Styrene
Concen: 1.829 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion:104 Resp: 41699
Ion Ratio Lower Upper
104 100
78 54.0 41.2 61.8
103 57.1 44.7 67.1





#67

Bromoform

Concen: 1.930 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion:173 Resp: 8285

Ion Ratio Lower Upper

173 100

175 50.6 38.6 58.0

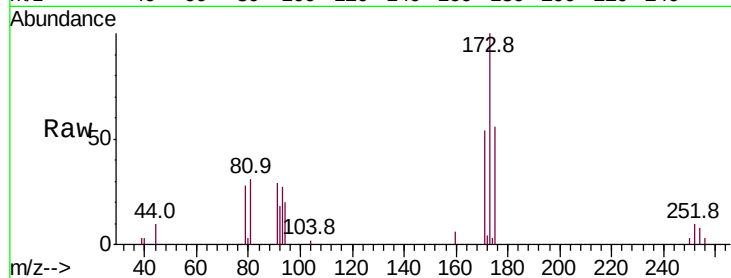
254 5.1 6.8 10.2#

Manual Integrations

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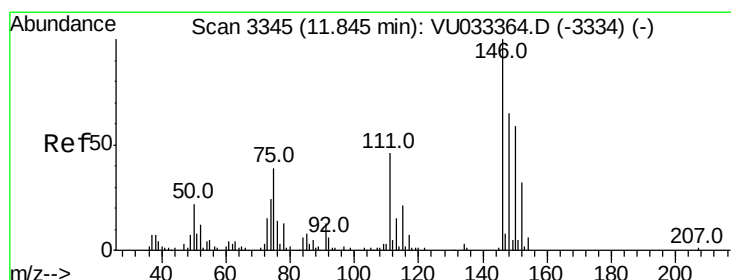
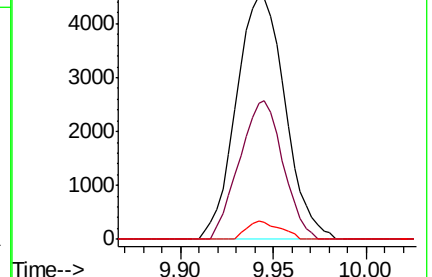
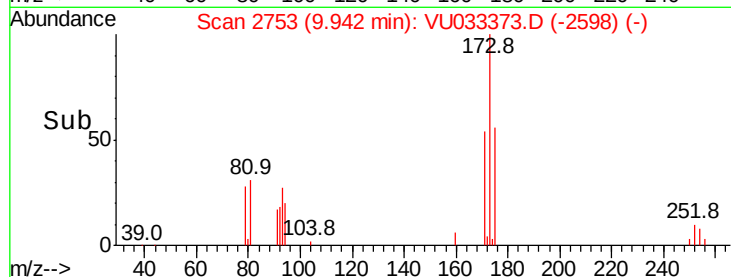
7/25/2019 11:15:42 AM



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: 1.031 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

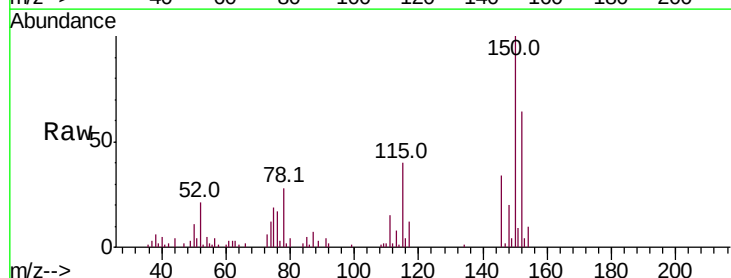
Tgt Ion:152 Resp: 11634

Ion Ratio Lower Upper

152 100

115 85.4 0.0 123.2

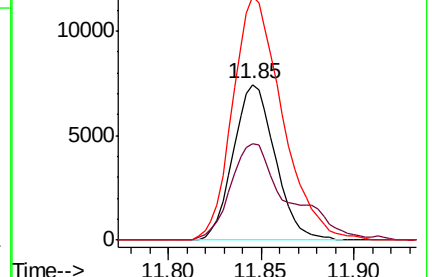
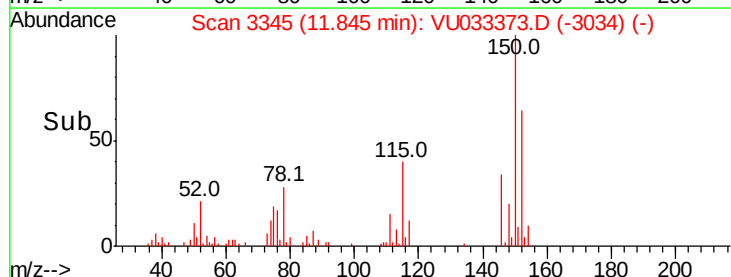
150 186.2 0.0 648.4

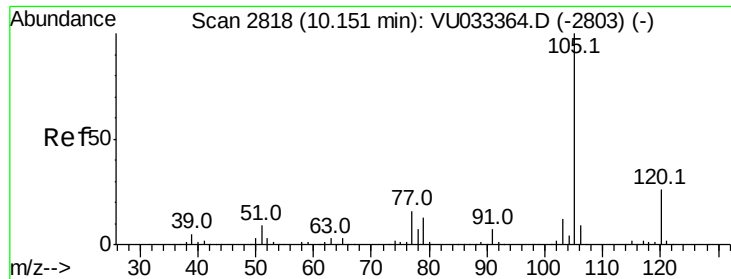


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.824 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion:105 Resp: 62859

Ion Ratio Lower Upper

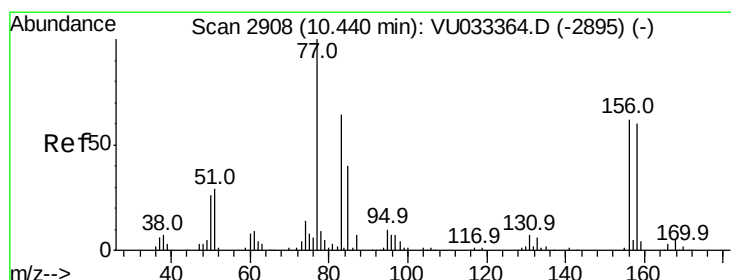
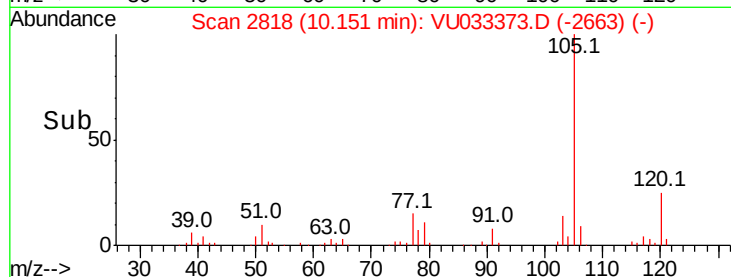
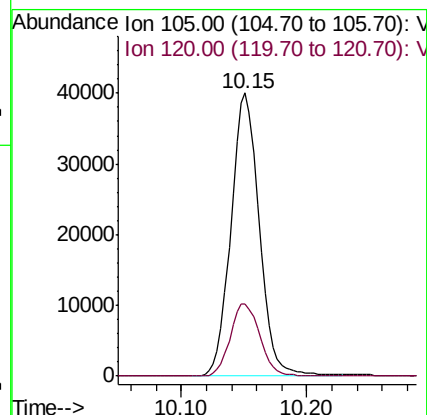
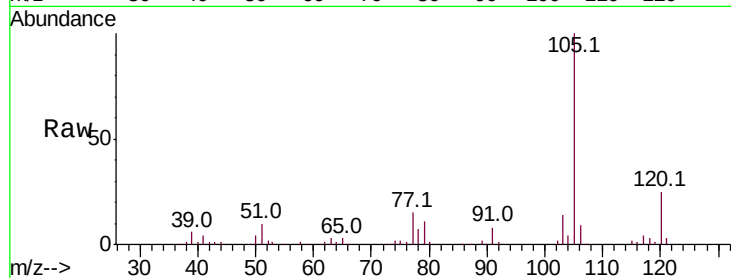
105 100

120 26.6 13.4 40.1

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.862 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

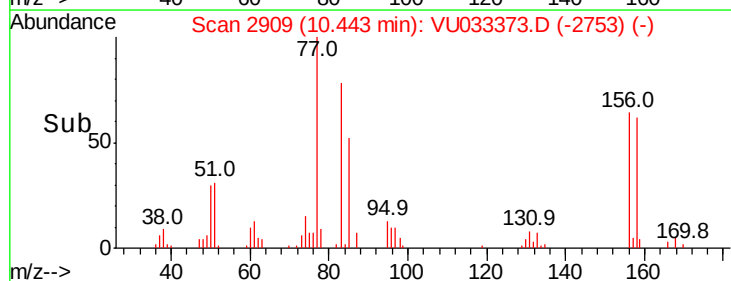
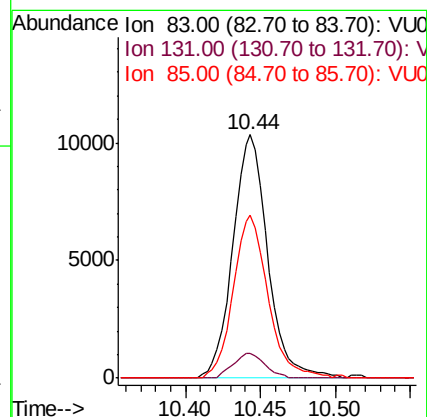
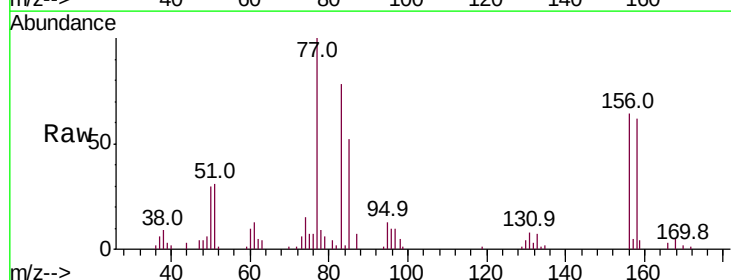
Tgt Ion: 83 Resp: 16755

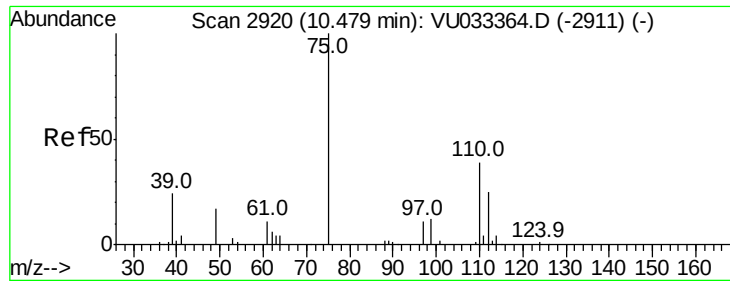
Ion Ratio Lower Upper

83 100

131 9.1 8.0 12.0

85 66.6 51.8 77.8





#71
1,2,3-Trichloropropane
Concen: 1.886 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

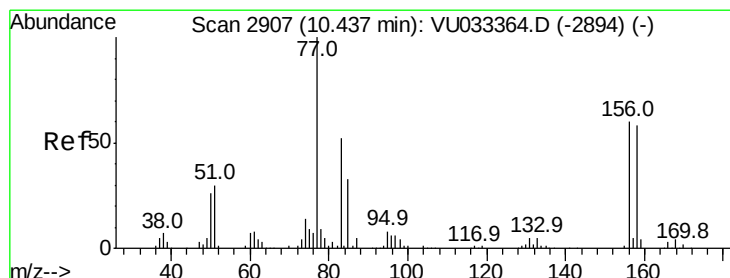
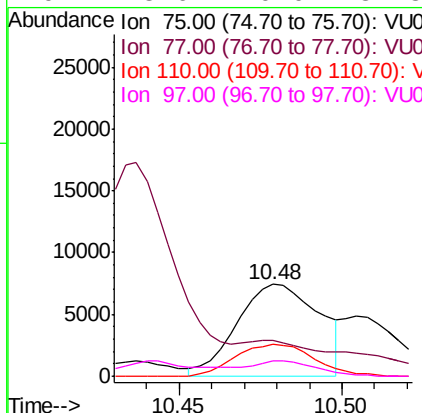
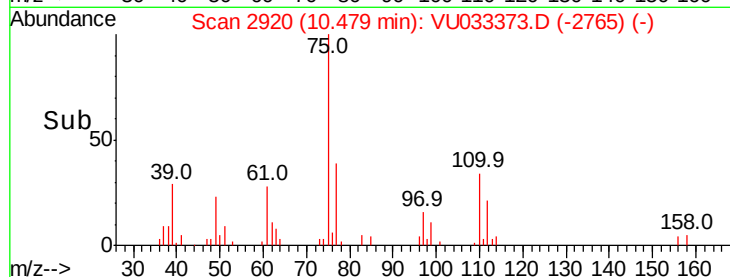
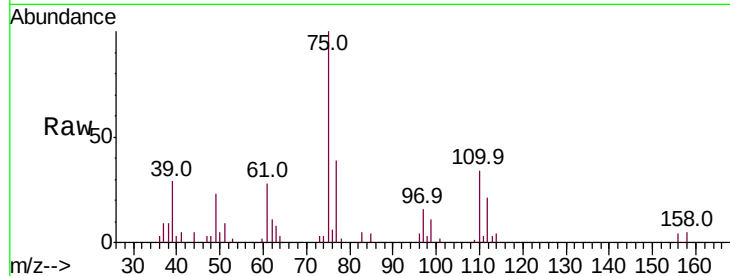
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	33.2	0.0	71.4
97	13.6	0.0	37.8

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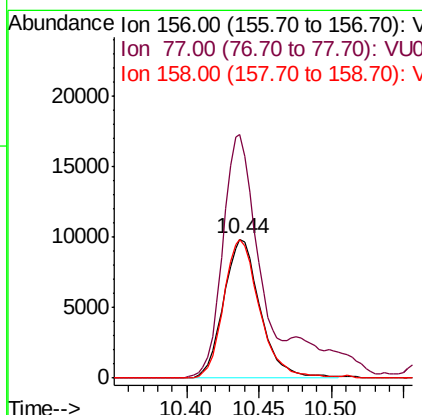
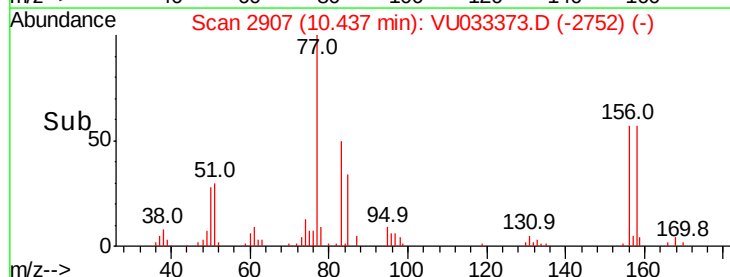
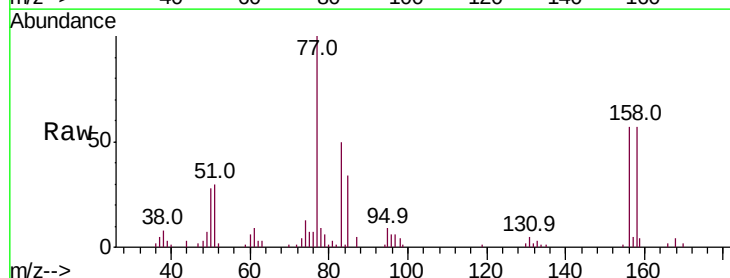
MMDadoda

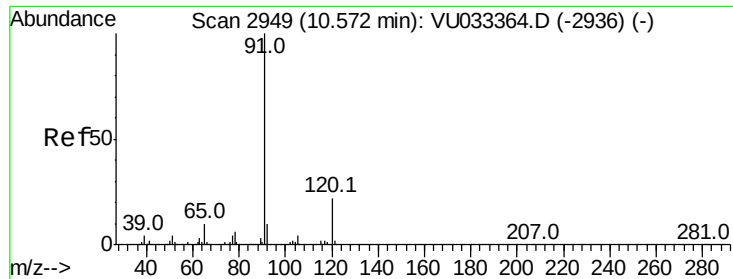
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#72
Bromobenzene
Concen: 1.899 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
156	100		
77	165.8	0.0	324.4
158	97.7	0.0	192.4





#73

n-propylbenzene

Concen: 1.824 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion:120 Resp: 17917

Ion Ratio Lower Upper

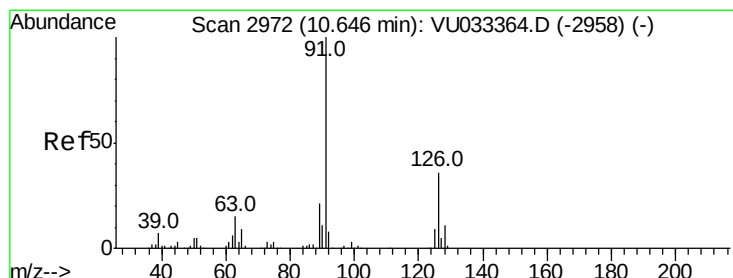
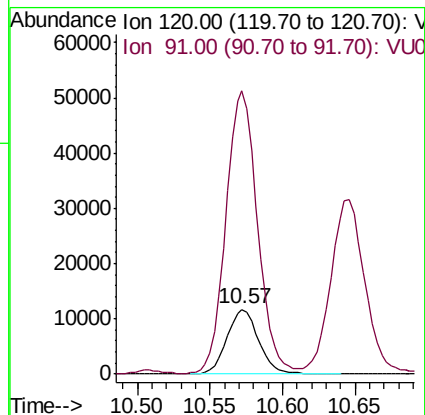
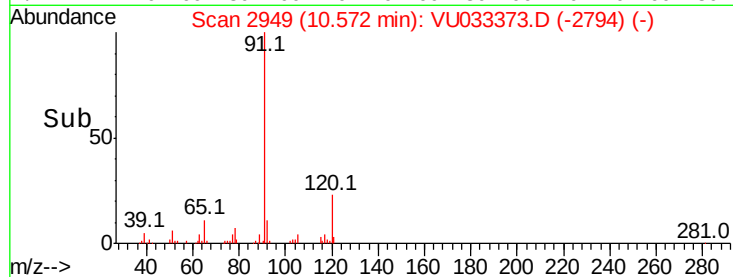
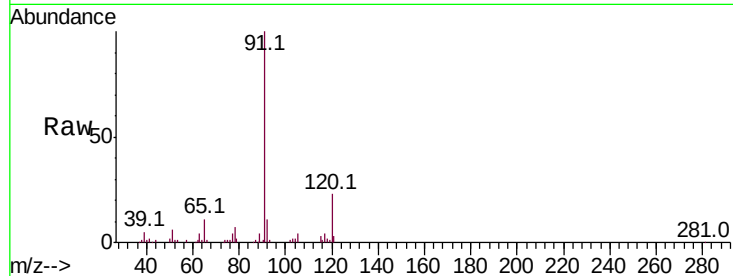
120 100

91 430.3 355.1 532.7

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#74

2-Chlorotoluene

Concen: 1.913 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033373.D

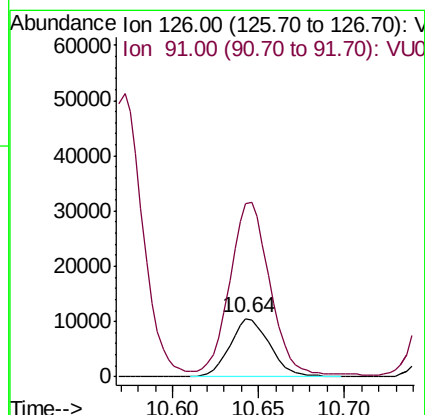
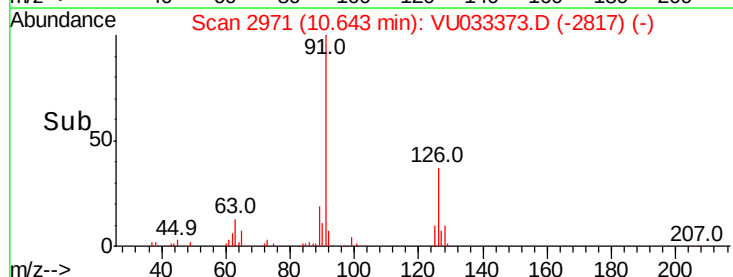
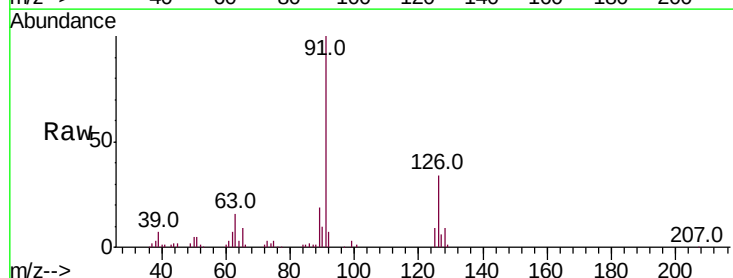
Acq: 23 Jul 2019 11:27

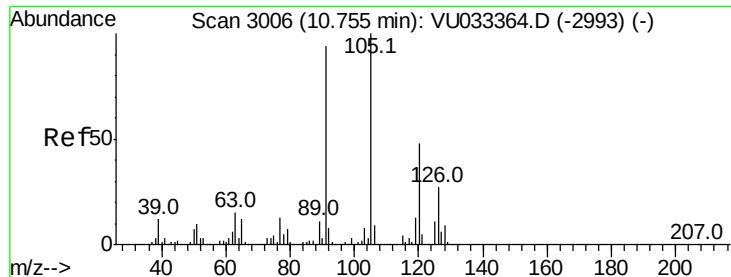
Tgt Ion:126 Resp: 17157

Ion Ratio Lower Upper

126 100

91 291.3 0.0 598.0





#75

1,3,5-Trimethylbenzene

Concen: 1.858 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion:105 Resp: 57479

Ion Ratio Lower Upper

105 100

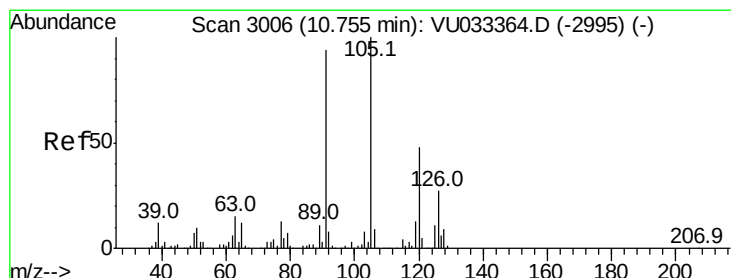
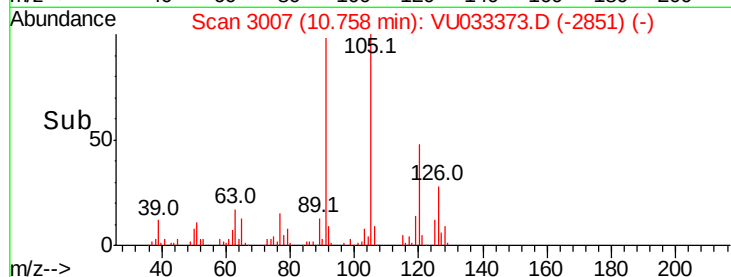
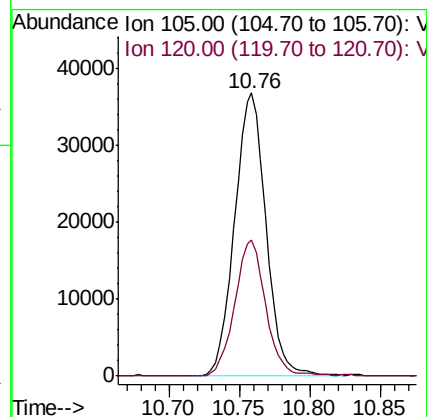
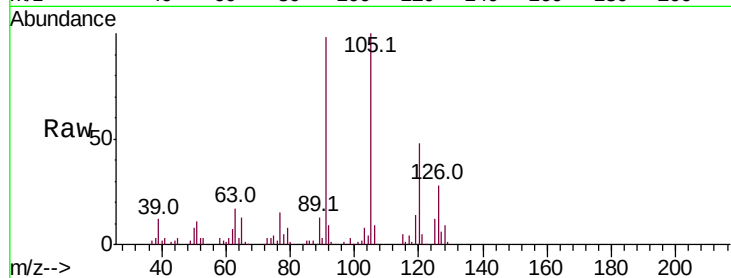
120 47.5 38.2 57.4

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#76

4-Chlorotoluene

Concen: 1.856 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033373.D

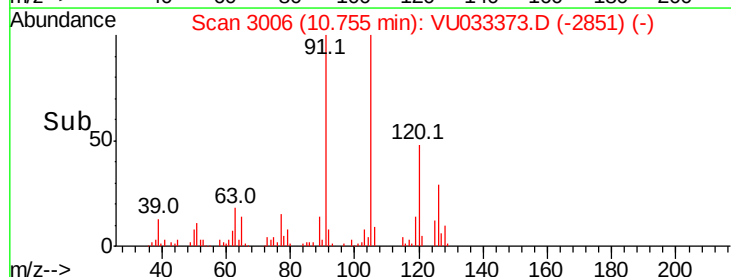
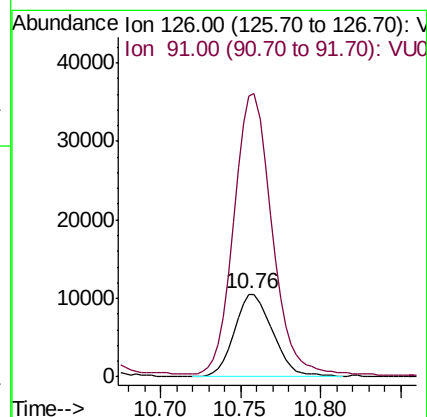
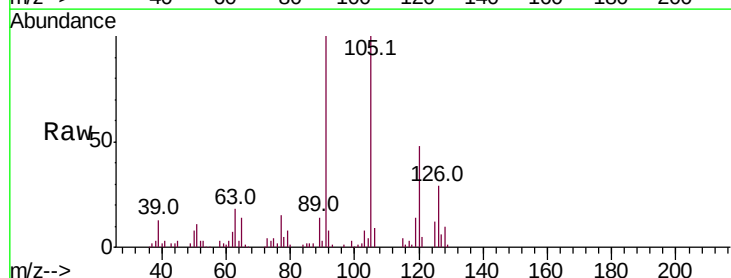
Acq: 23 Jul 2019 11:27

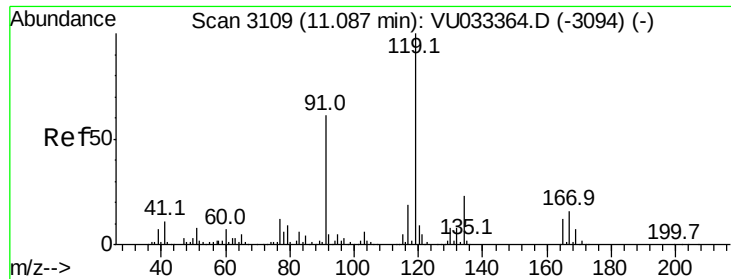
Tgt Ion:126 Resp: 17346

Ion Ratio Lower Upper

126 100

91 331.6 0.0 681.0





#77

tert-Butylbenzene

Concen: 1.868 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

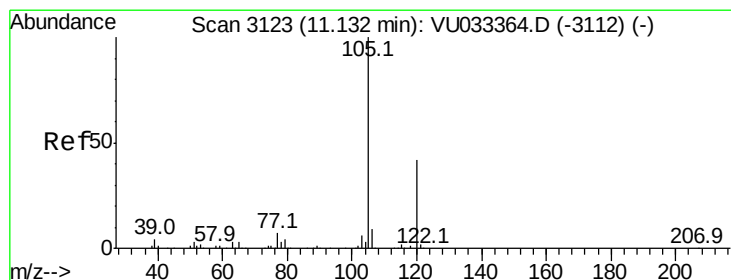
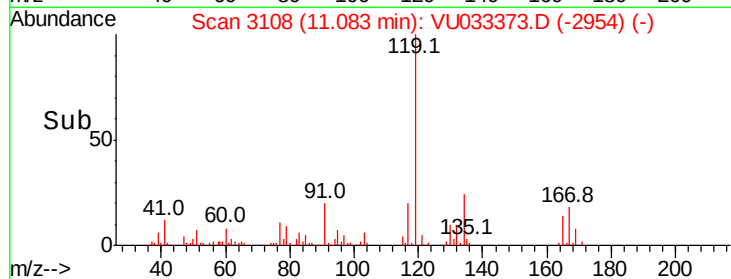
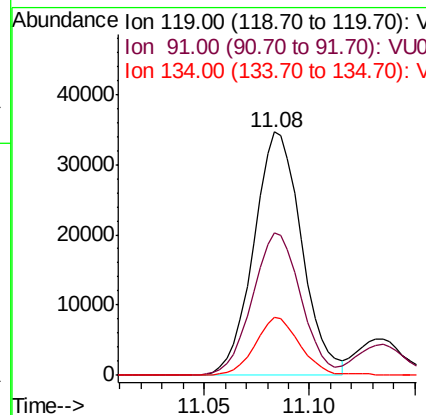
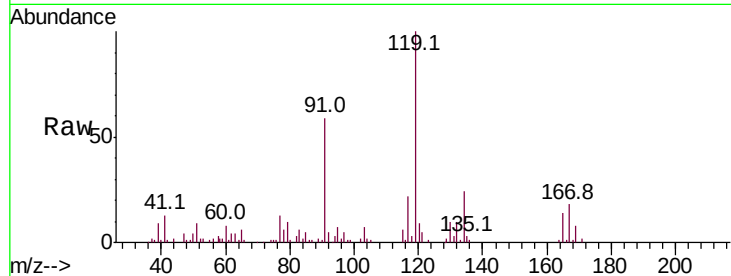
VU0723WBS01

Tot Ion:	119	Resp:	54761
Ion Ratio	Lower	Upper	
119	100		
91	58.9	30.4	91.3
134	22.1	18.5	27.7

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#78

1,2,4-Trimethylbenzene

Concen: 1.810 ug/l

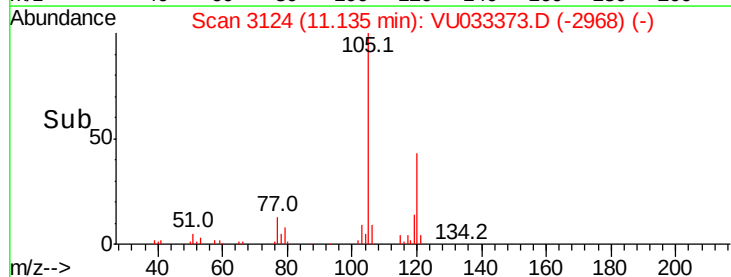
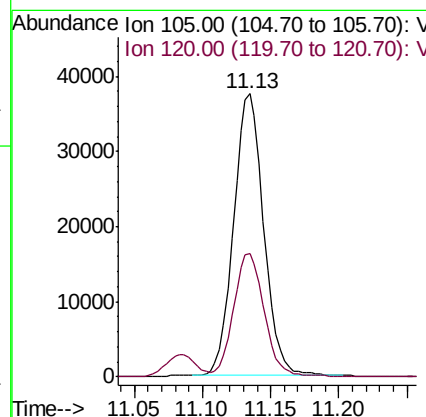
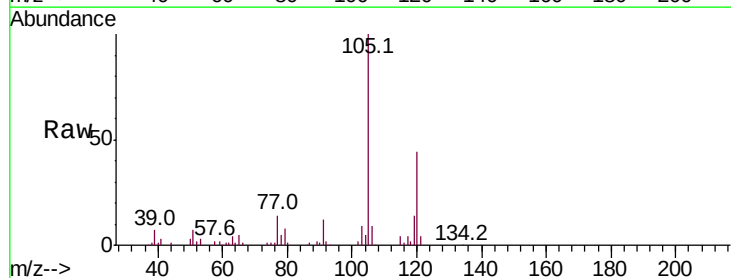
RT: 11.13 min Scan# 3124

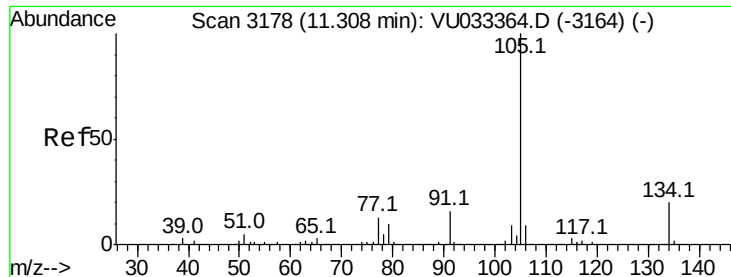
Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Tgt Ion:	105	Resp:	57250
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.5	67.5





#79

sec-Butylbenzene

Concen: 1.848 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

VU0723WBS01

Tot Ion:105 Resp: 74574

Ion Ratio Lower Upper

105 100

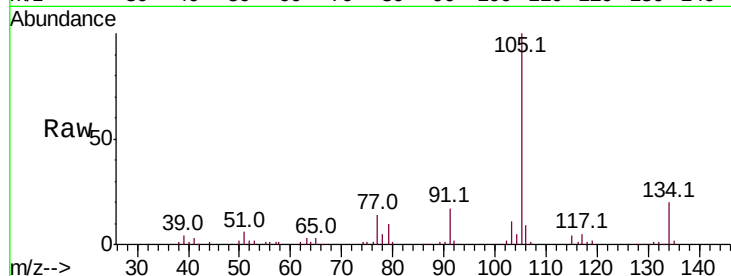
134 19.3 15.5 23.3

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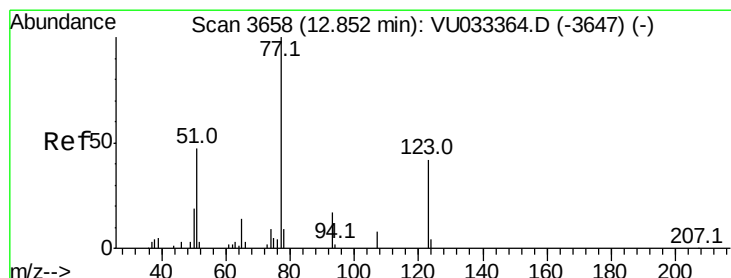
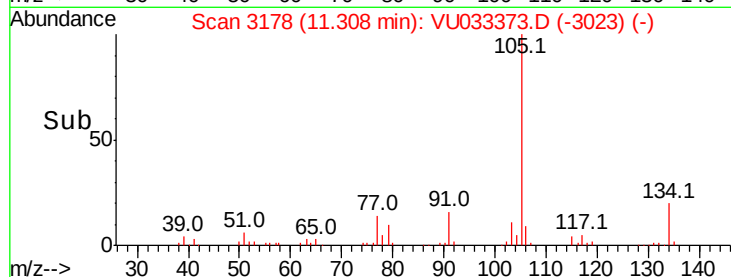
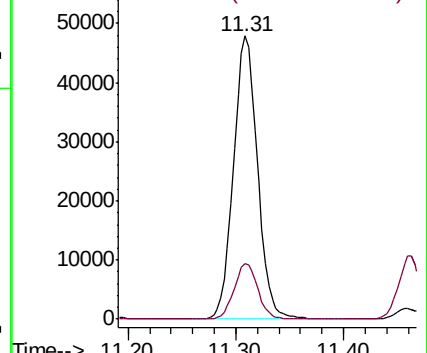
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 4.211 ug/l m

RT: 12.87 min Scan# 3663

Delta R.T. 0.02 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

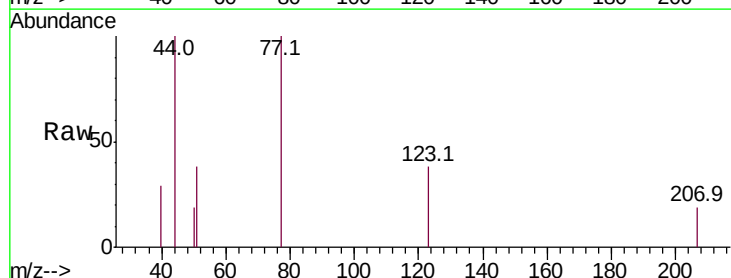
Tgt Ion: 77 Resp: 1575

Ion Ratio Lower Upper

77 100

123 26.5 19.3 68.3

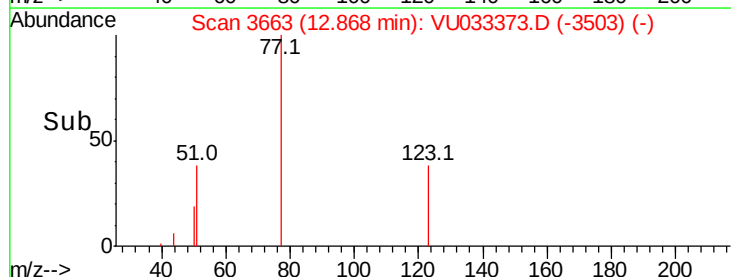
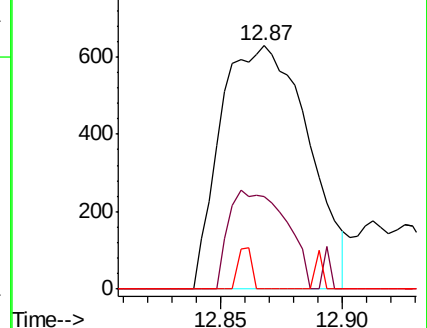
65 2.6 10.1 12.9#

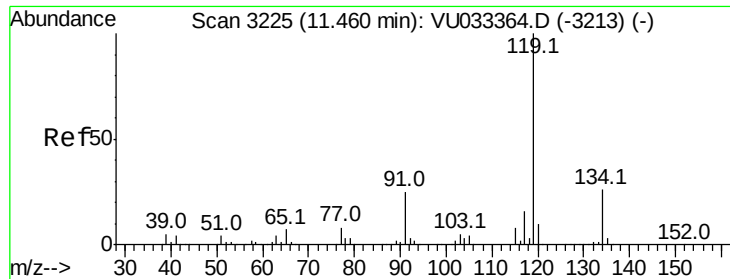


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81
 p-Isopropyltoluene
 Concen: 1.831 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

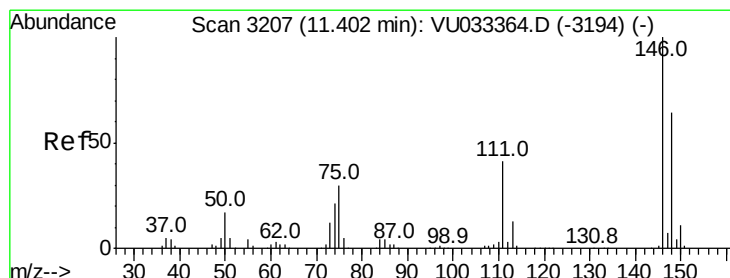
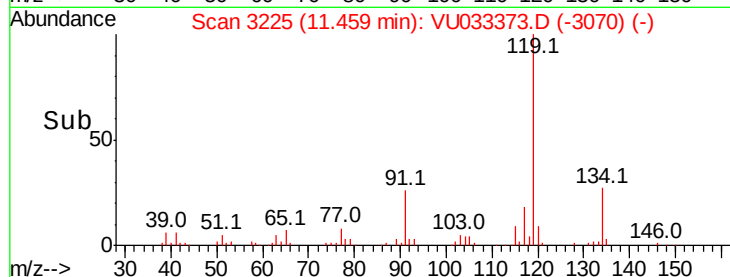
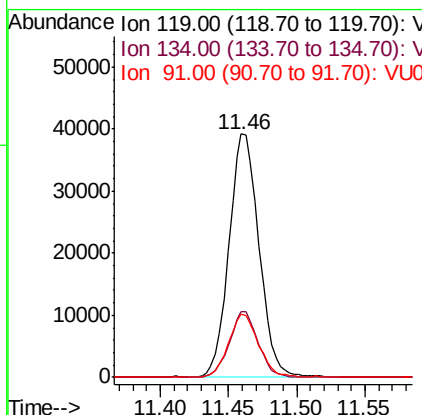
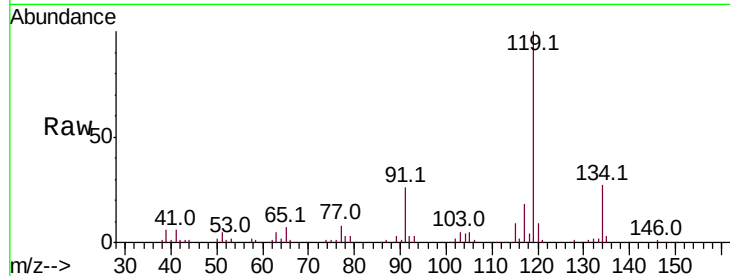
Instrument :
 MSVOA_U
 ClientSampled :
 VU0723WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.0	31.4
91	26.0	19.8	29.6

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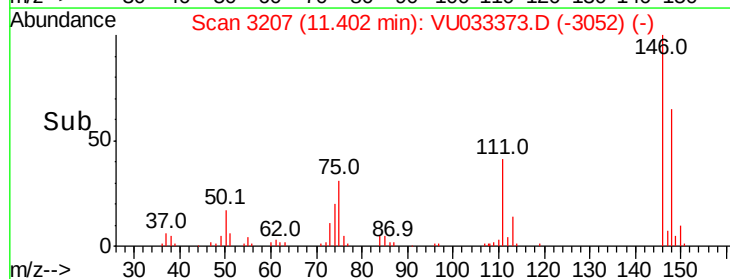
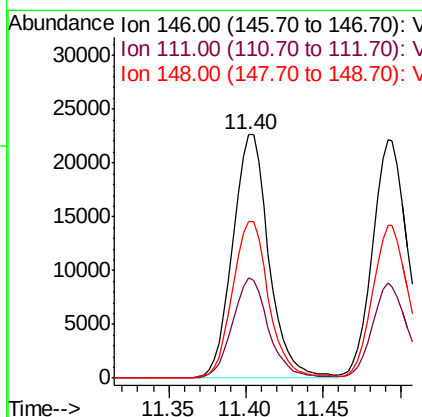
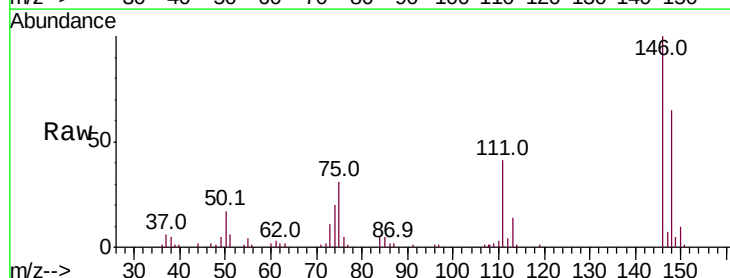
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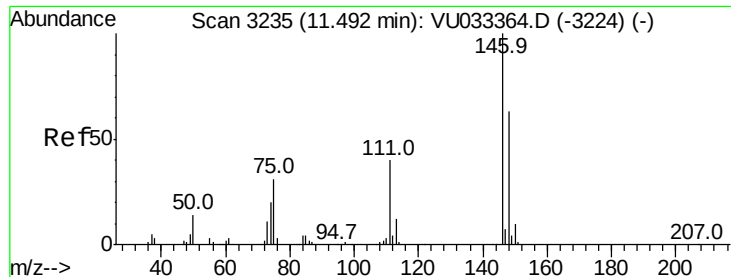
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#82
 1,3-Dichlorobenzene
 Concen: 1.898 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.3	49.9
148	65.0	50.8	76.2





#83
 1,4-Dichlorobenzene
 Concen: 1.890 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

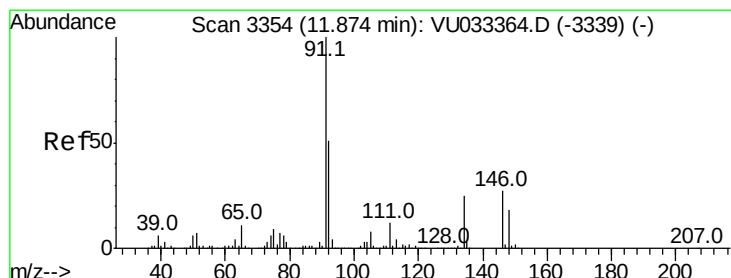
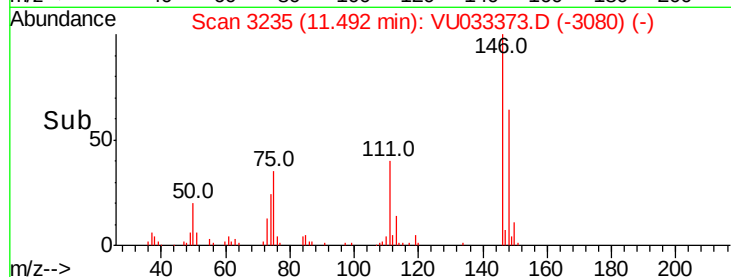
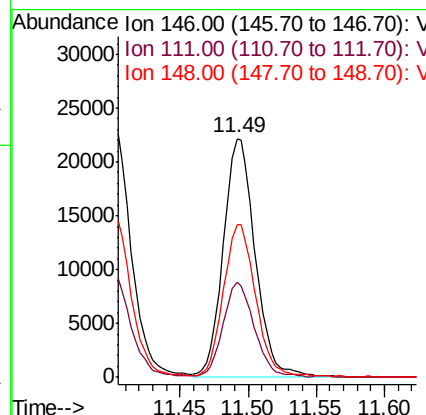
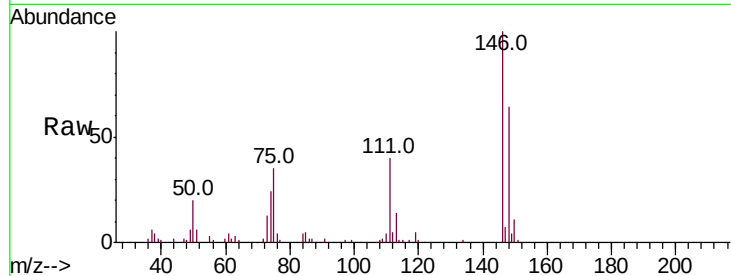
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0723WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	32.2	48.4
148	65.0	51.0	76.4

Manual Integrations
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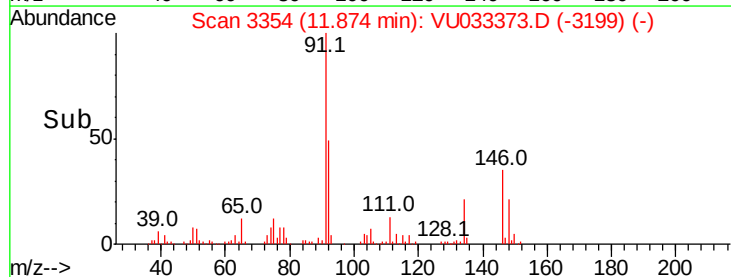
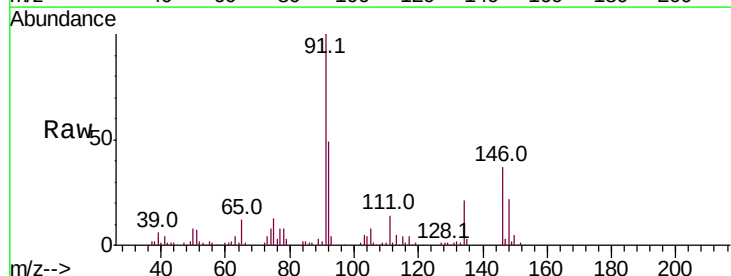
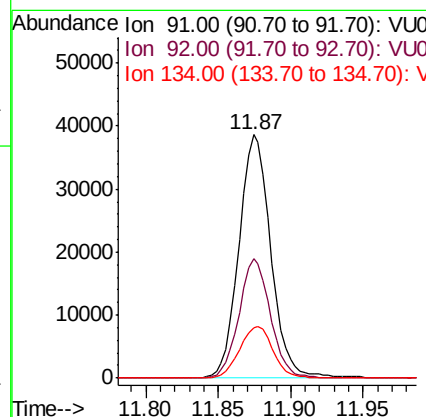
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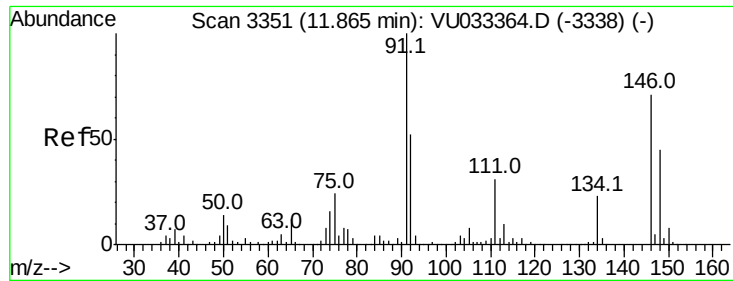
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#84
 n-Butylbenzene
 Concen: 1.757 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033373.D
 Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.3	41.0	61.6
134	22.3	19.5	29.3





#85

1,2-Dichlorobenzene

Concen: 1.902 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

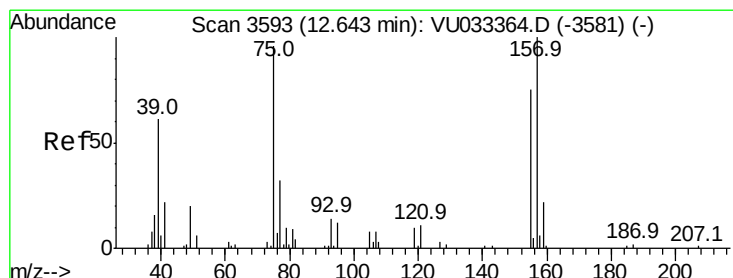
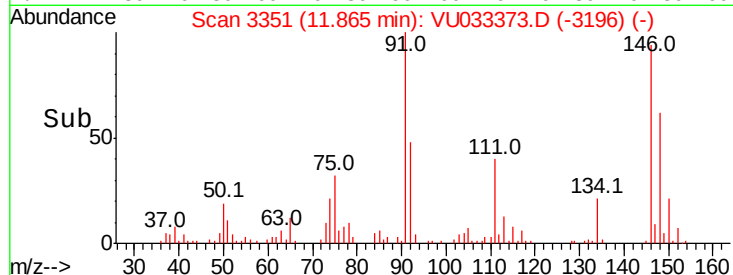
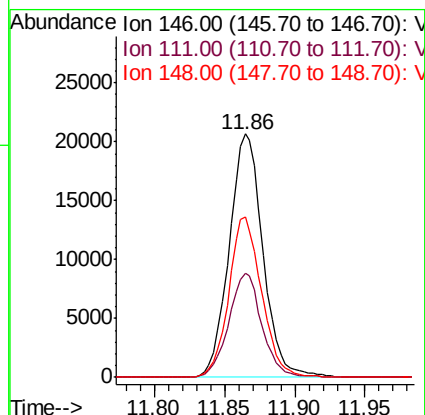
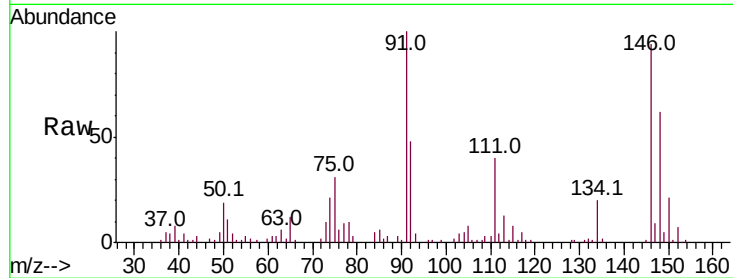
VU0723WBS01

Tot Ion:	146	Resp:	34497
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.7	65.1
148	64.0	32.0	96.0

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.626 ug/l

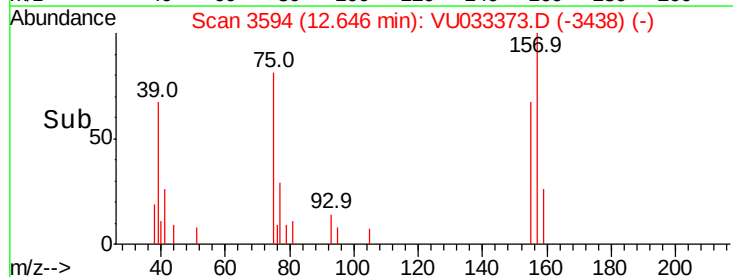
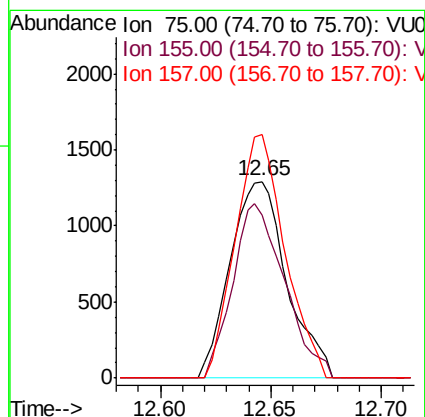
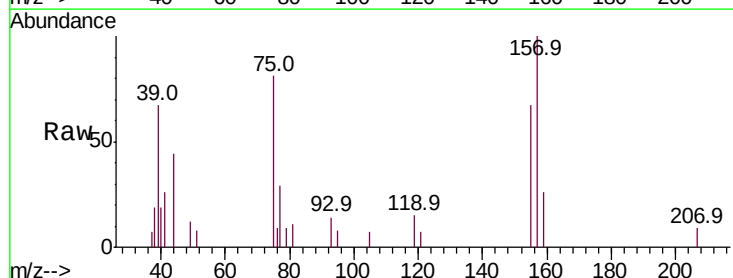
RT: 12.65 min Scan# 3594

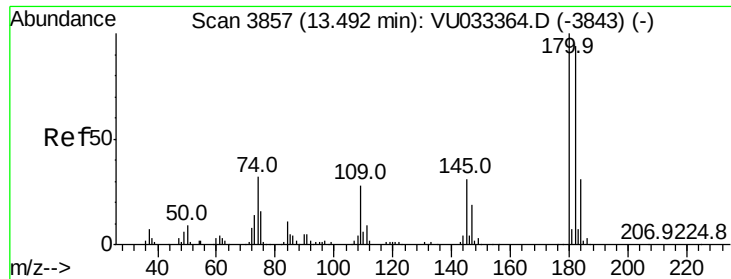
Delta R.T. 0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Tgt Ion:	75	Resp:	2302
Ion Ratio	Lower	Upper	
75	100		
155	81.1	63.3	94.9
157	108.7	82.5	123.7





#87

1,2,4-Trichlorobenzene

Concen: 1.676 ug/l

RT: 13.49 min Scan# 3857

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

VU0723WBS01

Tot Ion:180 Resp: 18093

Ion Ratio Lower Upper

180 100

182 100.1 76.2 114.4

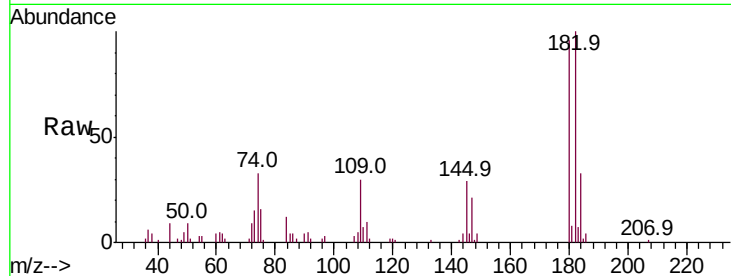
145 28.6 25.0 37.4

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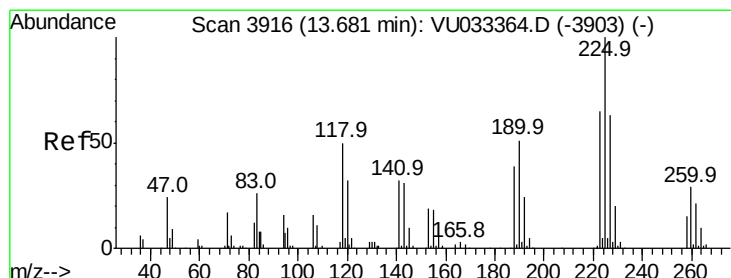
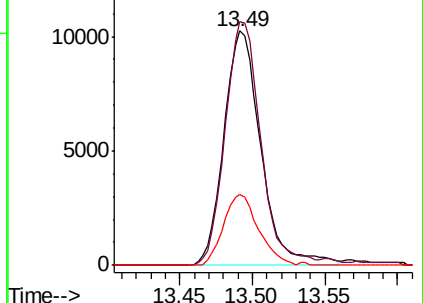
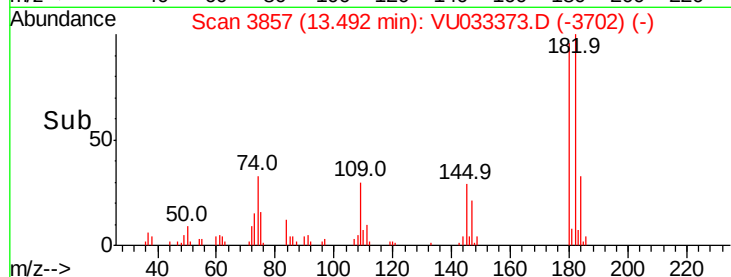
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.865 ug/l

RT: 13.68 min Scan# 3916

Delta R.T. -0.00 min

Lab File: VU033373.D

Acq: 23 Jul 2019 11:27

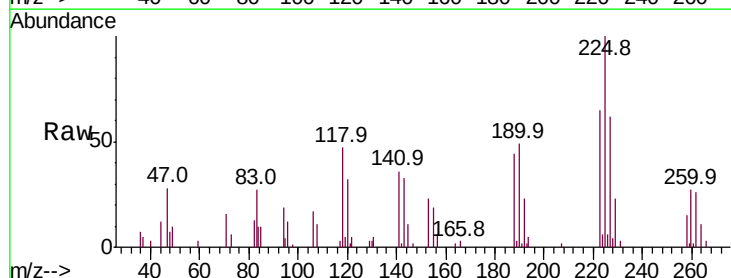
Tgt Ion:225 Resp: 12413

Ion Ratio Lower Upper

225 100

223 63.5 52.2 78.4

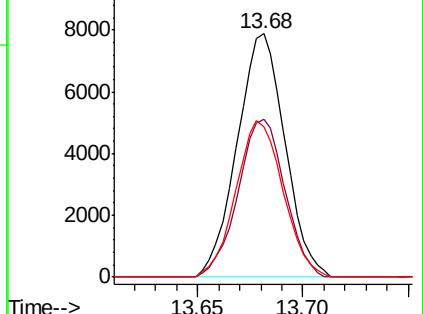
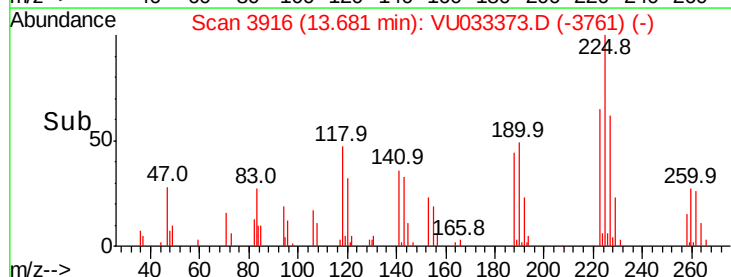
227 63.5 51.7 77.5

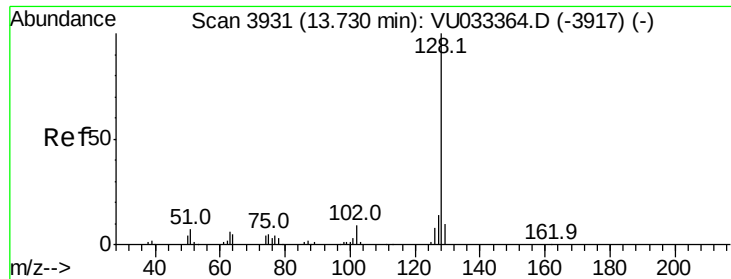


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 1.717 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

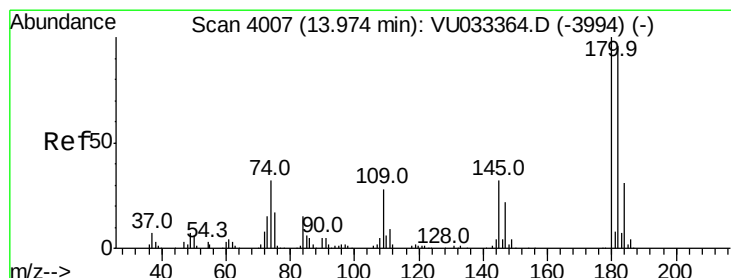
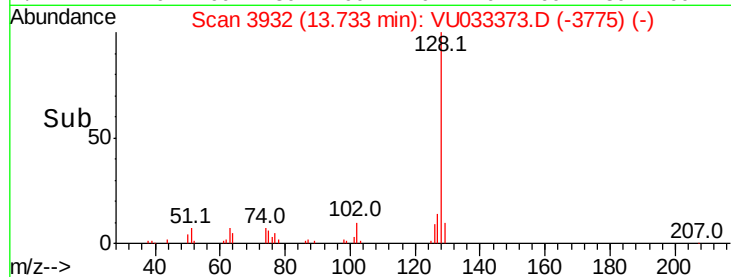
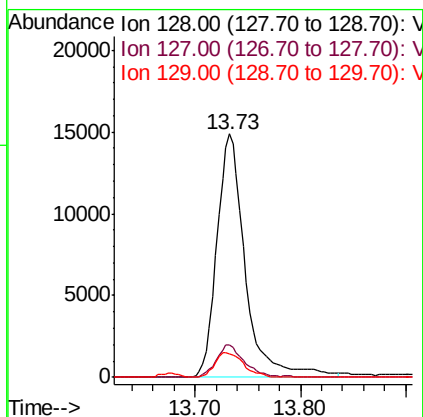
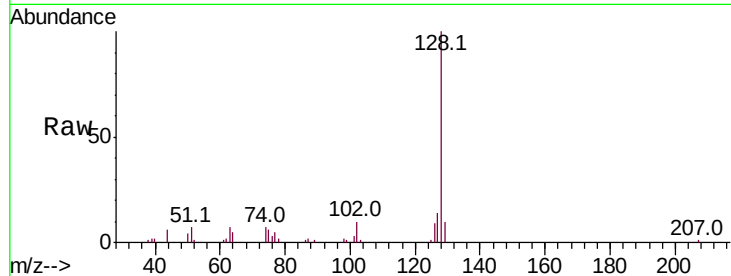
Instrument :
MSVOA_U
ClientSampleId :
VU0723WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.1	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 1.631 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033373.D
Acq: 23 Jul 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	77.9	116.9
145	33.3	25.8	38.8

