

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072319\
 Data File : VU033368.D
 Acq On : 23 Jul 2019 08:54
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 11:05:53 AM

Quant Time: Jul 24 02:33:48 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	32747	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	14826	1.15	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13425	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	135620	10.014	ug/l	98
3) Chloromethane	1.32	50	133762	8.948	ug/l	98
4) Vinyl Chloride	1.40	62	155037	9.295	ug/l	100
5) Bromomethane	1.62	94	95796	9.123	ug/l	100
6) Chloroethane	1.69	64	96931	8.275	ug/l	99
7) Trichlorofluoromethane	1.88	101	216574	9.456	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112569	9.528	ug/l	99
9) 1,1-Dichloroethene	2.27	96	110089	9.461	ug/l	99
10) Iodomethane	2.40	142	143720	9.190	ug/l	99
11) Allyl Chloride	2.58	41	175489	9.139	ug/l	99
12) Acrylonitrile	2.92	53	52410	16.135	ug/l	99
13) Acetone	2.31	43	134061	48.375	ug/l	100
14) Carbon Disulfide	2.46	76	410603	9.287	ug/l	99
15) Methylene Chloride	2.68	84	129907	8.278	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	123694	8.951	ug/l	98
17) 1,1-Dichloroethane	3.42	63	184010	9.922	ug/l	99
18) 2-Butanone	4.25	43	136430	51.578	ug/l	96
19) Cyclohexane	4.97	56	148983m	10.946	ug/l	
20) Methylcyclohexane	6.39	83	161615	11.795	ug/l	98
21) 2,2-Dichloropropane	4.20	77	163788	10.423	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	105284	10.054	ug/l	99
23) Diethyl Ether	2.09	59	90175	8.990	ug/l	98
24) tert-Butyl Alcohol	2.82	59	99392	79.927	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	298627	8.913	ug/l	98
26) Bromochloromethane	4.52	128	43614	9.471	ug/l	99
27) Chloroform	4.65	83	188565	8.897	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	160177	9.761	ug/l	99
29) 1,1-Dichloropropene	5.11	75	141959	10.489	ug/l	99
30) Carbon Tetrachloride	5.11	117	145438	10.070	ug/l	98
31) Isopropyl Ether	3.56	45	240848	10.275	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	234693	10.415	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	216892	10.703	ug/l	100
34) Propionitrile	4.31	54	35450	46.719	ug/l #	96
35) Benzene	5.36	78	403375	10.315	ug/l	100
36) 1,2-Dichloroethane	5.38	62	123991	9.527	ug/l	99
37) Trichloroethene	6.16	130	106935	10.361	ug/l	99
38) 1,2-Dichloropropane	6.41	63	106549	9.875	ug/l	100
39) Methacrylonitrile	4.52	41	29486	9.790	ug/l	95
40) Methyl acrylate	4.40	55	49658	10.597	ug/l	97
41) Tetrahydrofuran	4.63	42	29330	19.420	ug/l	97
42) 1-Chlorobutane	5.04	56	186023	10.251	ug/l	97

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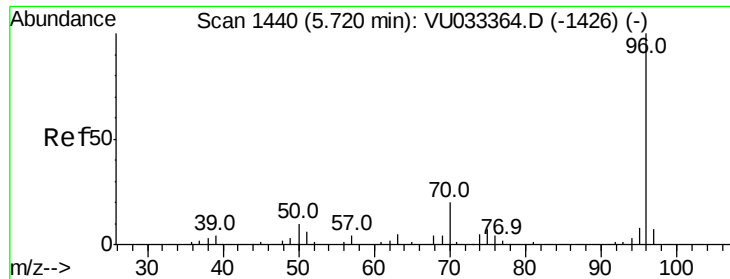
Manual Integrations
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Quant Time: Jul 24 02:33:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	57776	9.672	ug/l	100
44) Bromodichloromethane	6.74	83	139033	9.654	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	308090	50.573	ug/l	100
46) t-1,4-Dichloro-2-butene	10.50	75	57310m	23.310	ug/l	
47) Methyl methacrylate	6.61	69	94766	20.815	ug/l	99
48) Ethyl methacrylate	8.00	69	88278	11.001	ug/l	99
49) Toluene	7.62	92	253388	11.311	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	129153	10.751	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	152103	10.724	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	74959	9.390	ug/l	96
53) 1,3-Dichloropropane	8.22	76	134671	9.983	ug/l	100
54) 2-Hexanone	8.35	43	229586	53.537	ug/l	99
55) Dibromochloromethane	8.46	129	94777	10.164	ug/l	98
56) 1,2-Dibromoethane	8.57	107	71782	9.647	ug/l	99
58) Tetrachloroethene	8.21	164	99641	10.646	ug/l	99
59) Chlorobenzene	9.10	112	280372	10.917	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	100172	10.271	ug/l	98
61) Pentachloroethane	11.09	117	80384	10.043	ug/l	99
62) Hexachloroethane	12.13	117	81254	10.492	ug/l	98
63) Ethyl Benzene	9.23	91	487612	11.824	ug/l	99
64) m/p-Xylenes	9.36	106	393583	23.870	ug/l	97
65) o-Xylene	9.76	106	184273	11.663	ug/l	98
66) Styrene	9.78	104	318315	11.876	ug/l	100
67) Bromoform	9.94	173	53033	10.508	ug/l	98
69) Isopropylbenzene	10.15	105	479799	11.843	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	100563	9.505	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	69055m	8.454	ug/l	
72) Bromobenzene	10.44	156	116751	10.909	ug/l	100
73) n-propylbenzene	10.57	120	141284	12.234	ug/l	99
74) 2-Chlorotoluene	10.65	126	122496	11.619	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	439718	12.089	ug/l	100
76) 4-Chlorotoluene	10.76	126	129851	11.821	ug/l	97
77) tert-Butylbenzene	11.09	119	402318	11.671	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	456379	12.275	ug/l	100
79) sec-Butylbenzene	11.31	105	563481	11.876	ug/l	100
80) Nitrobenzene	12.85	77	15668	35.628	ug/l #	95
81) p-Isopropyltoluene	11.46	119	473453	12.273	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	244355	10.742	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	249954	11.107	ug/l	99
84) n-Butylbenzene	11.87	91	484317	12.269	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	225483	10.572	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	16348	9.823	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	149725	11.799	ug/l	99
88) Hexachlorobutadiene	13.68	225	85267	10.894	ug/l	97
89) Naphthalene	13.73	128	262968	9.184	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	139790	11.350	ug/l	98

(#) = 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: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 96 Resp: 32747

Ion Ratio Lower Upper

96 100

70 19.4 16.4 24.6

95 9.9 6.7 10.1

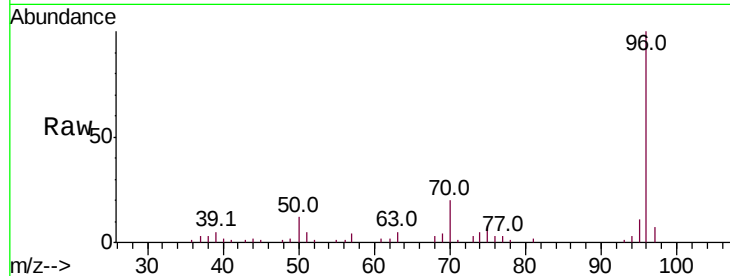
97 0.0 0.0 0.0

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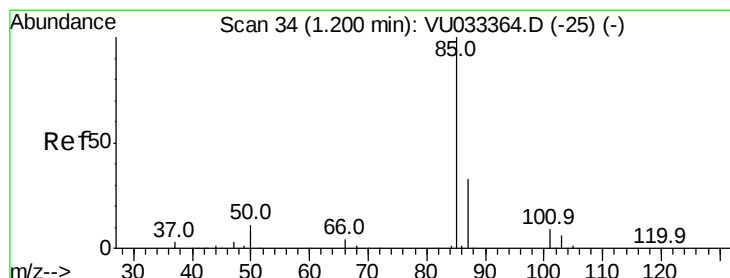
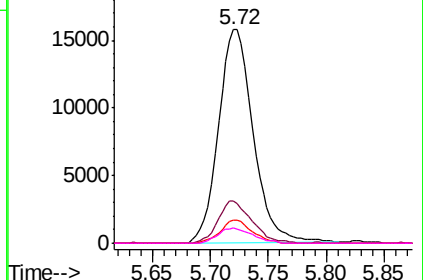
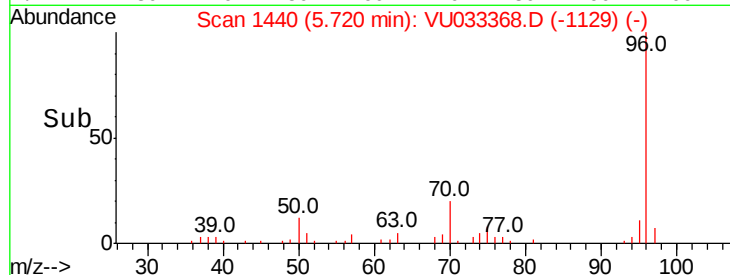


Abundance Ion 96.00 (95.70 to 96.70): VU033364.D (-1426) (-)

Ion 70.00 (69.70 to 70.70): VU033364.D (-1426) (-)

Ion 95.00 (94.70 to 95.70): VU033364.D (-1426) (-)

Ion 97.00 (96.70 to 97.70): VU033364.D (-1426) (-)



#2

Dichlorodifluoromethane

Concen: 10.014 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033368.D

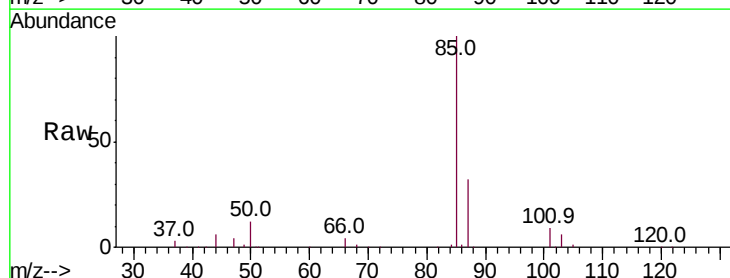
Acq: 23 Jul 2019 08:54

Tgt Ion: 85 Resp: 135620

Ion Ratio Lower Upper

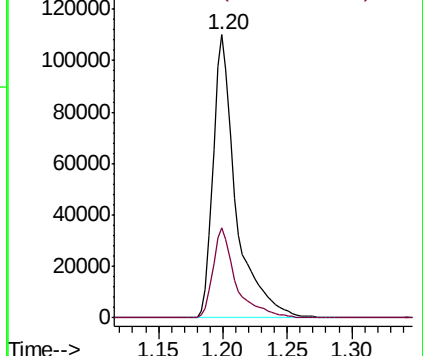
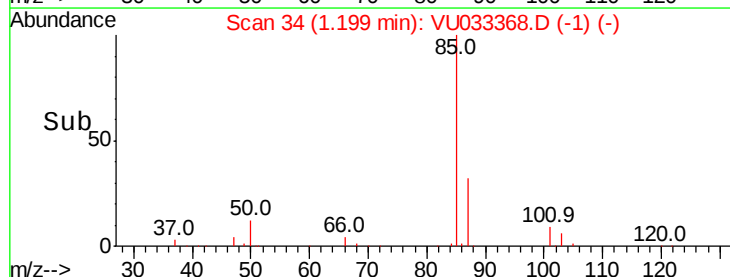
85 100

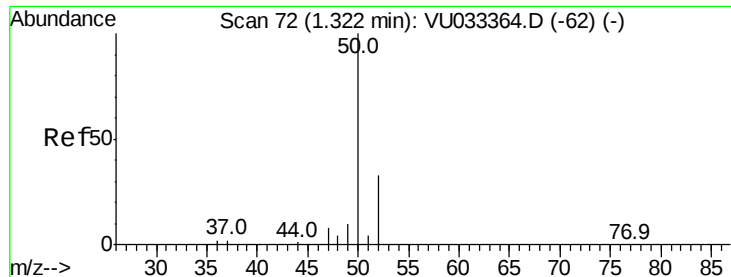
87 31.7 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VU033364.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033364.D (-25) (-)





#3

Chloromethane

Concen: 8.948 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion: 50 Resp: 133762

Ion Ratio Lower Upper

50 100

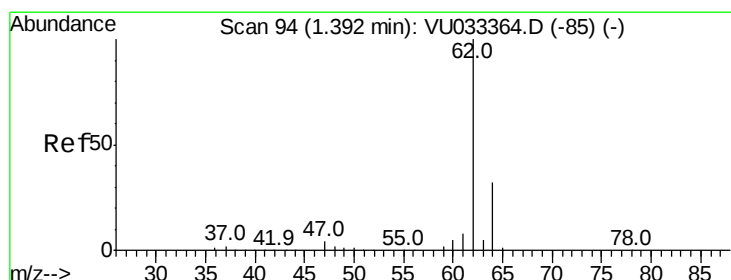
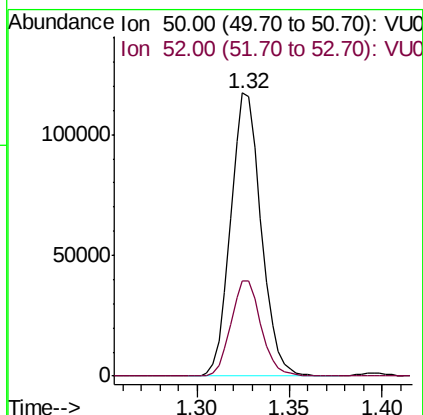
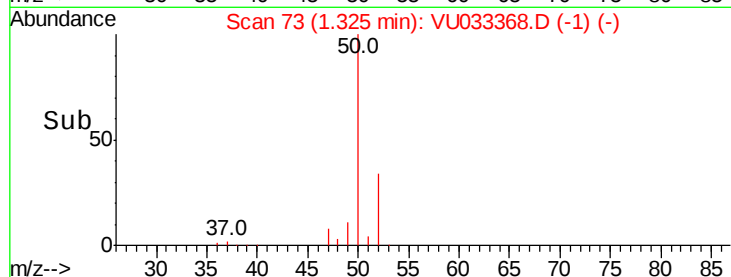
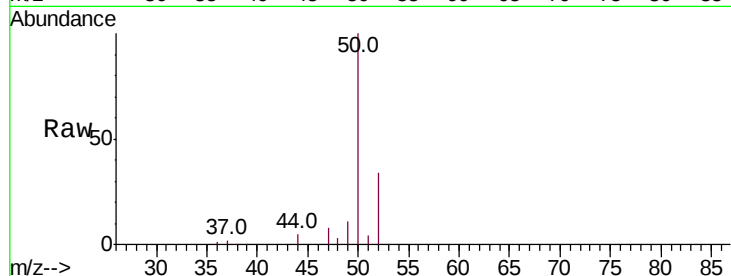
52 33.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.295 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033368.D

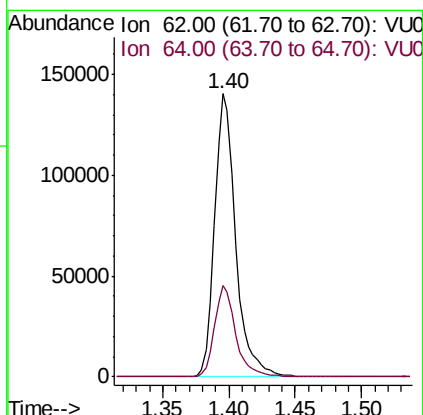
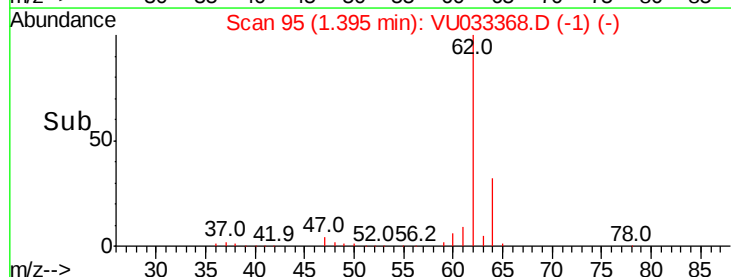
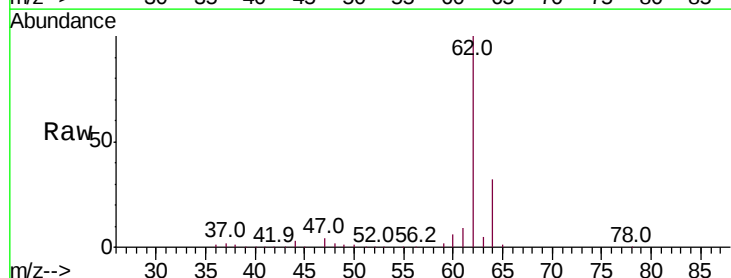
Acq: 23 Jul 2019 08:54

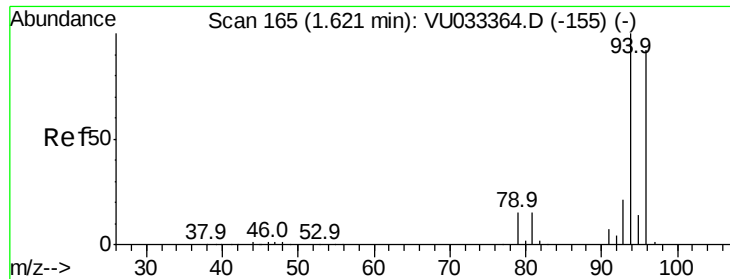
Tgt Ion: 62 Resp: 155037

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





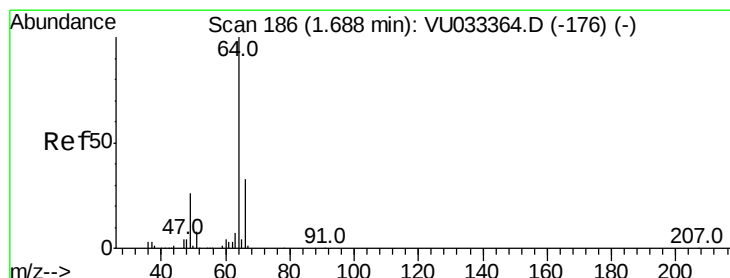
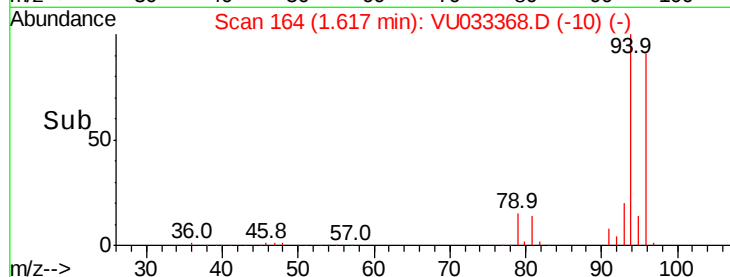
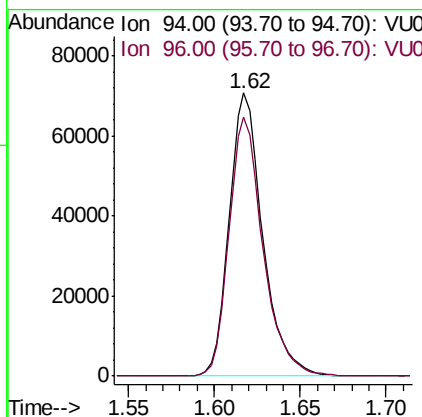
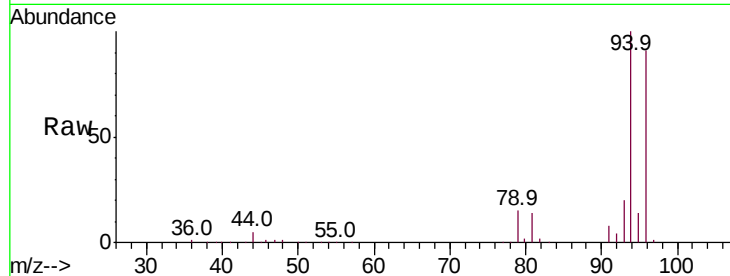
#5
Bromomethane
Concen: 9.123 ug/l
RT: 1.62 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
94	100		
96	91.4	73.2	109.8

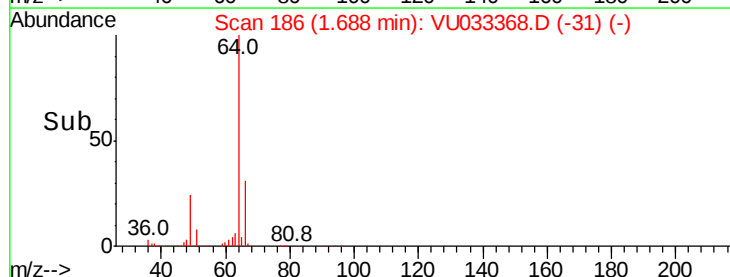
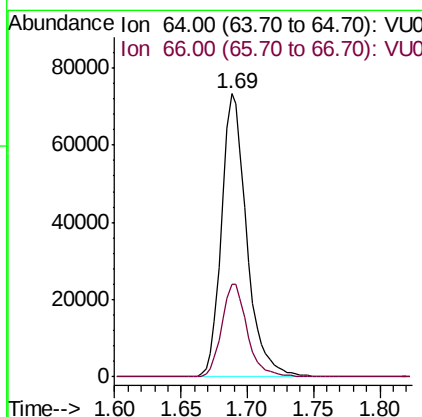
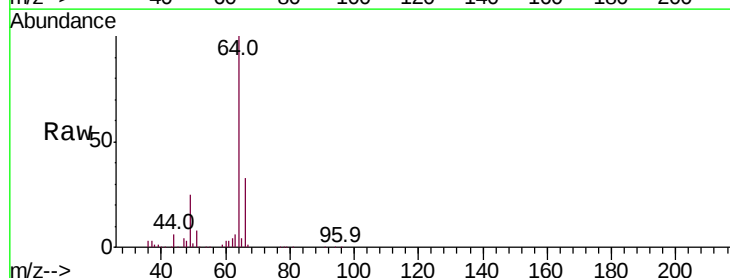
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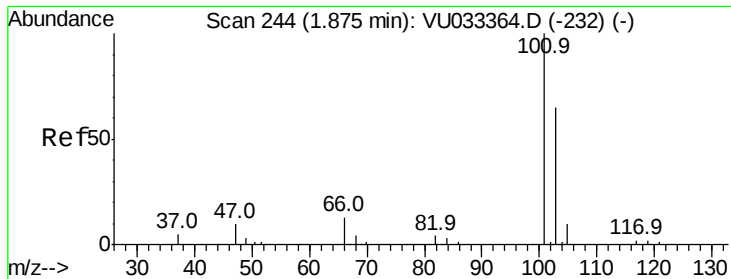
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#6
Chloroethane
Concen: 8.275 ug/l
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.4	39.6





#7

Trichlorofluoromethane

Concen: 9.456 ug/l

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 216574

Ion Ratio Lower Upper

101 100

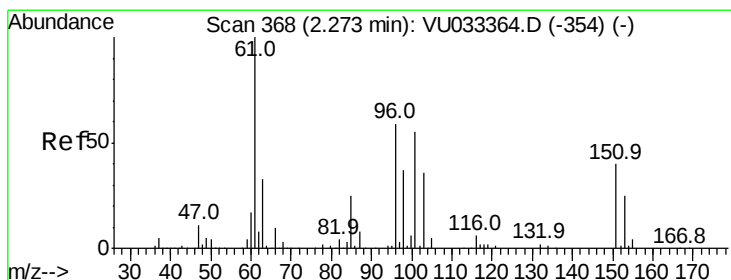
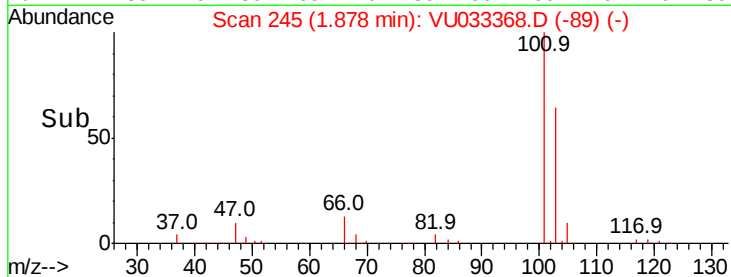
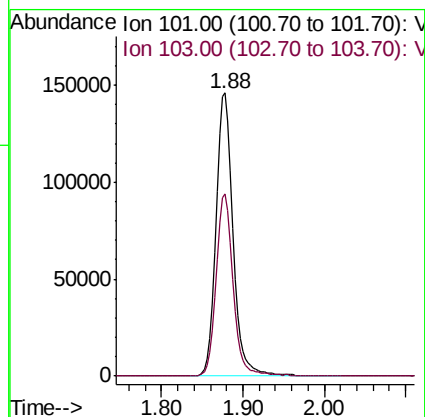
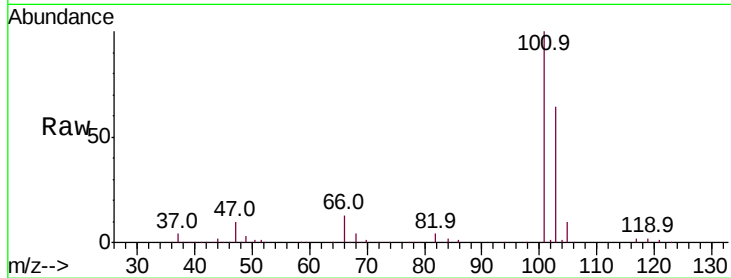
103 64.4 52.2 78.2

Manual Integrations

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#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.528 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

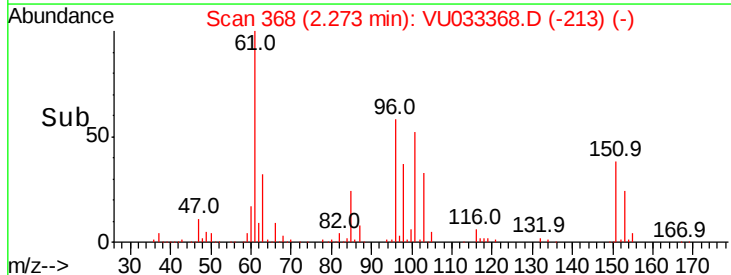
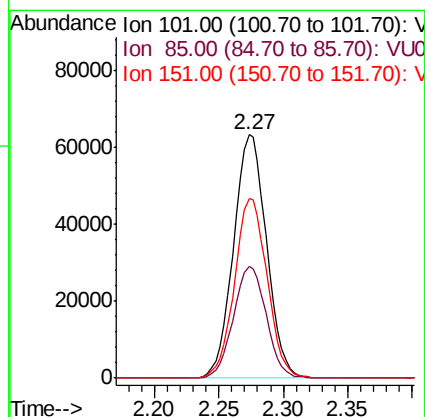
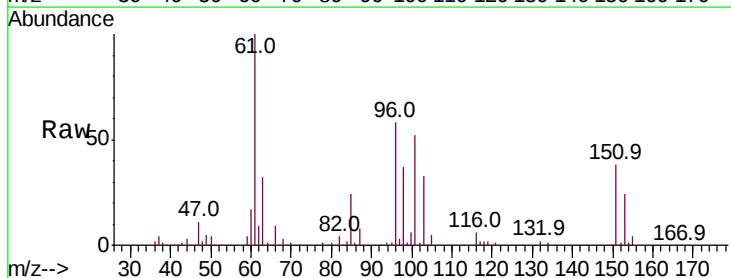
Tgt Ion:101 Resp: 112569

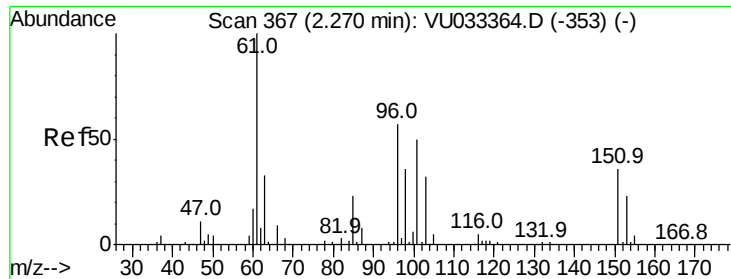
Ion Ratio Lower Upper

101 100

85 45.5 37.5 56.3

151 73.1 58.3 87.5





#9

1,1-Dichloroethene

Concen: 9.461 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

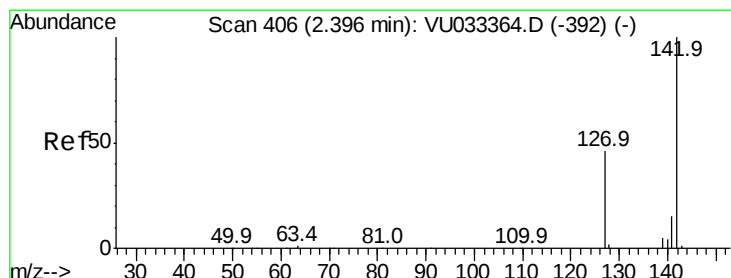
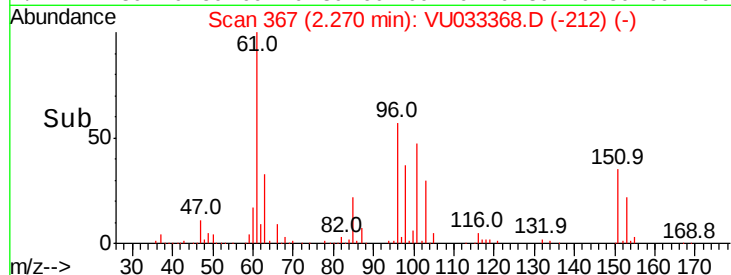
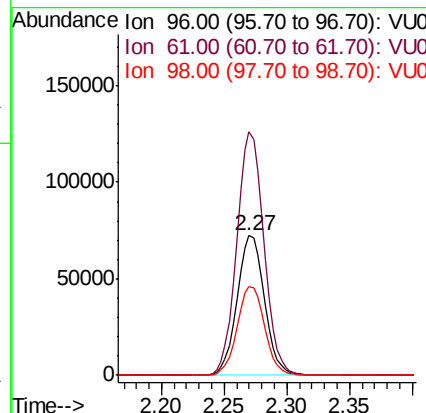
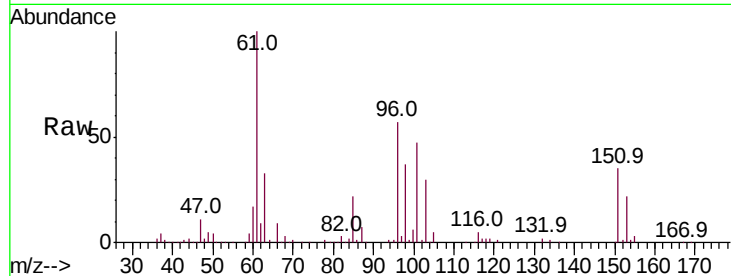
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	110089
Ion Ratio	Lower	Upper	
96	100		
61	174.5	0.0	525.6
98	64.0	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 9.190 ug/l

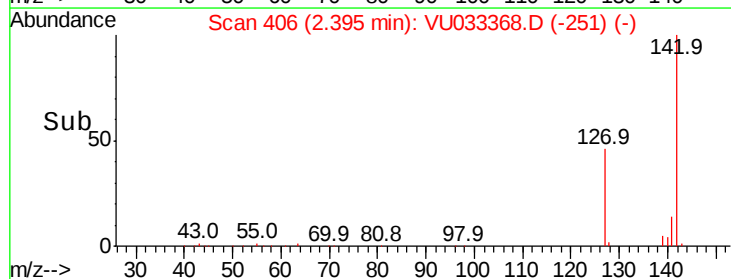
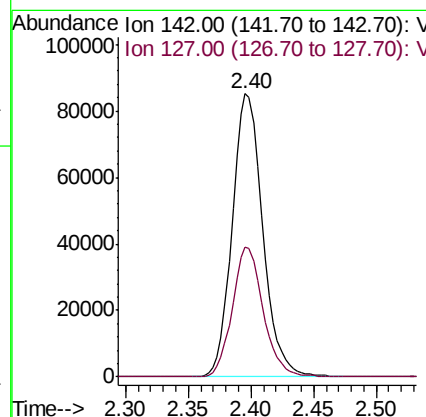
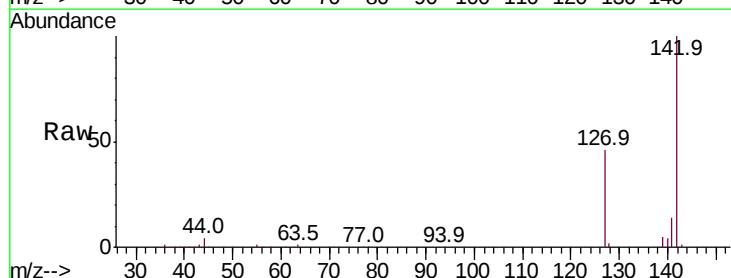
RT: 2.40 min Scan# 406

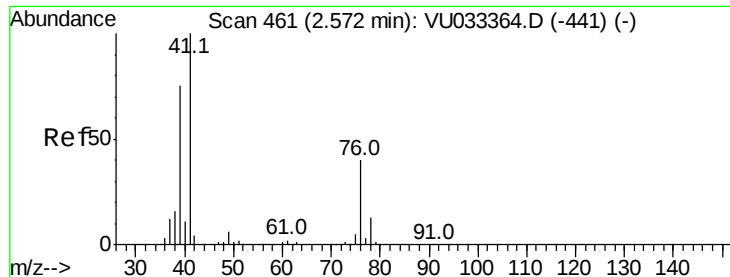
Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Tgt Ion:	142	Resp:	143720
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.8	56.6





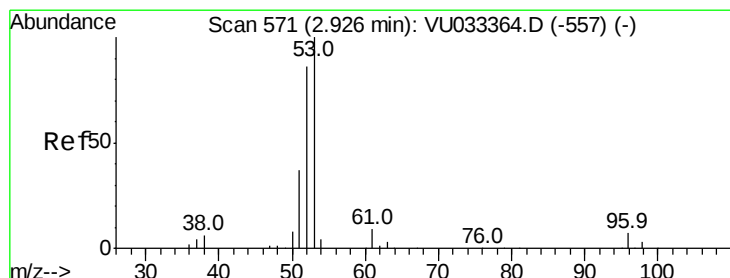
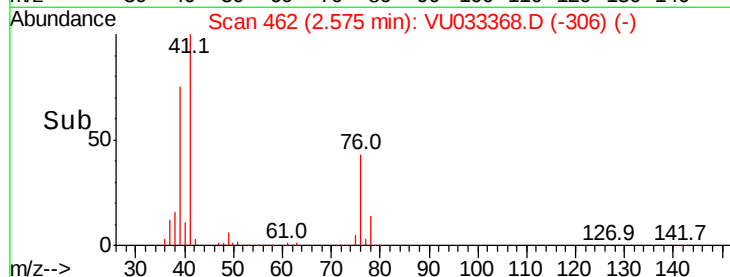
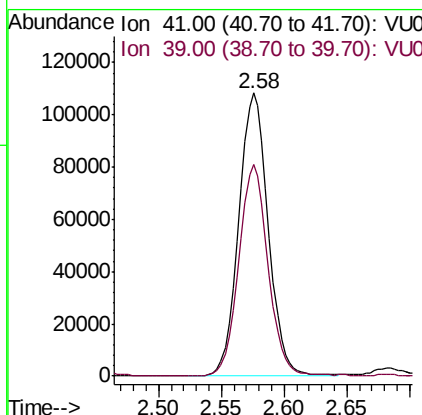
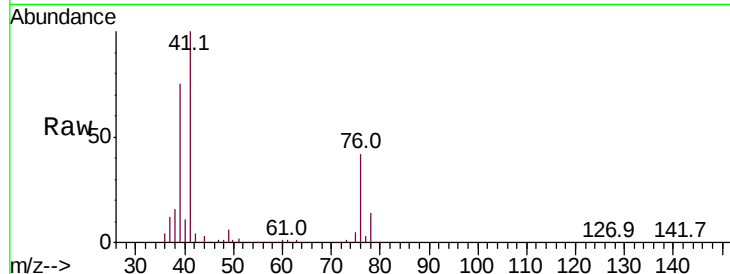
#11
Allvl Chloride
Concen: 9.139 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 175489
Ion Ratio Lower Upper
41 100
39 74.1 58.7 88.1

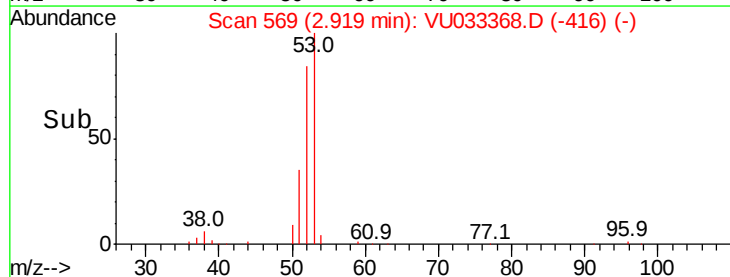
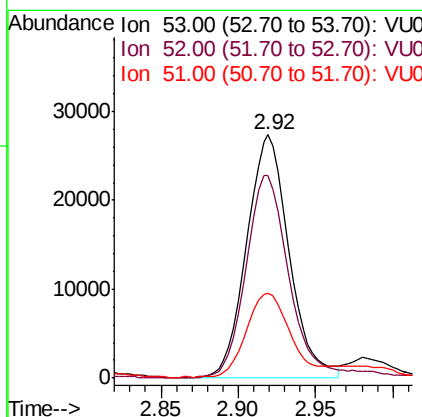
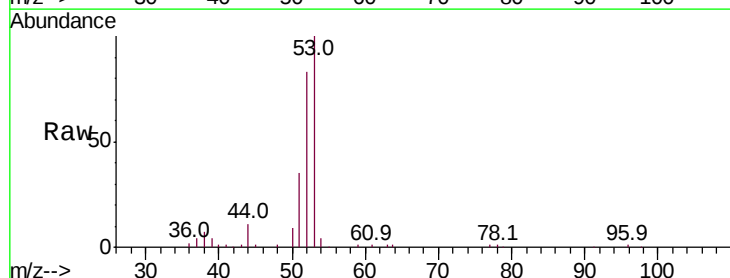
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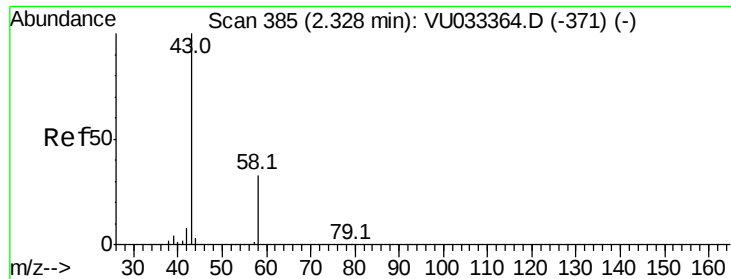
MMDadoda
7/25/2019 11:05:53 AM



#12
Acrylonitrile
Concen: 16.135 ug/l
RT: 2.92 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion: 53 Resp: 52410
Ion Ratio Lower Upper
53 100
52 86.8 69.8 104.8
51 37.1 29.1 43.7





#13

Acetone

Concen: 48.375 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 134061

Ion Ratio Lower Upper

43 100

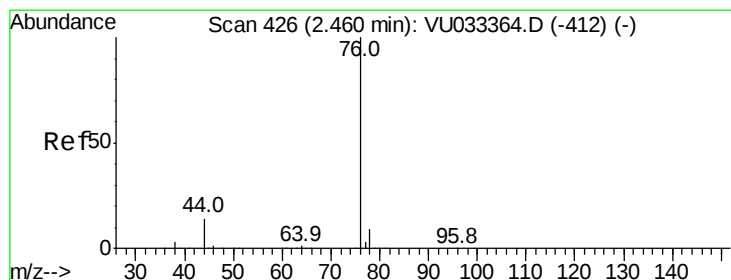
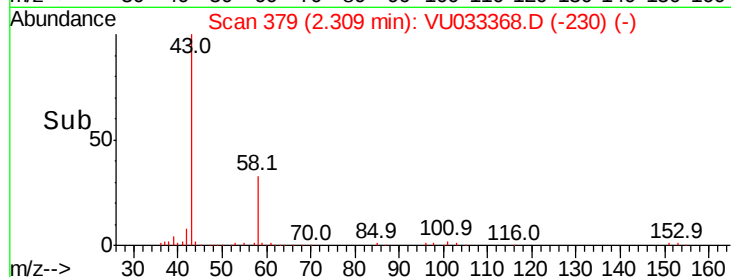
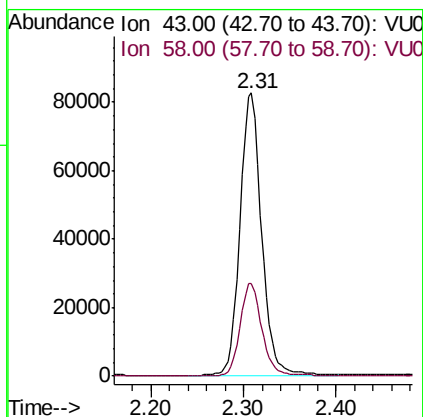
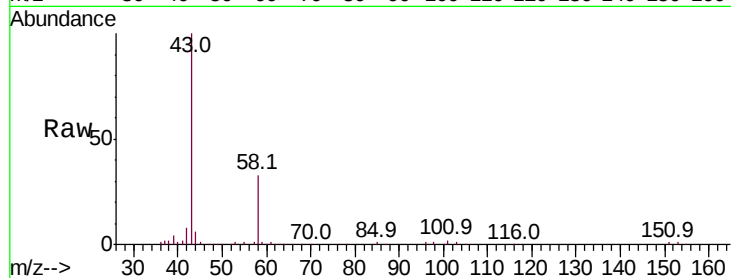
58 32.6 26.3 39.5

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#14

Carbon Disulfide

Concen: 9.287 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033368.D

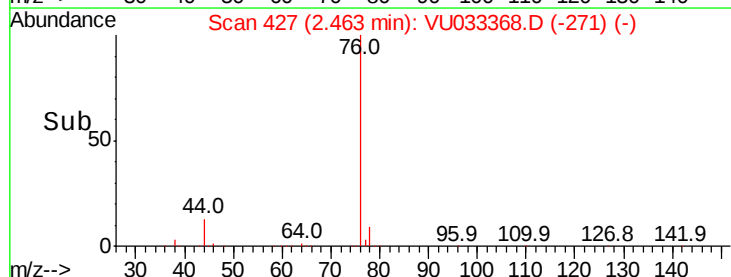
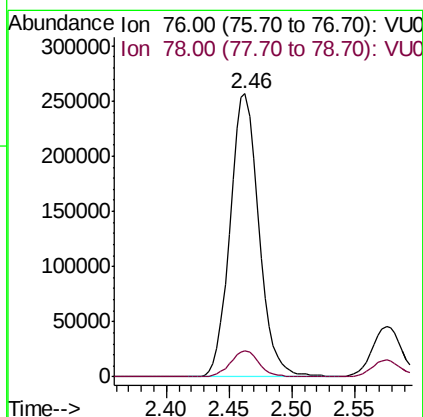
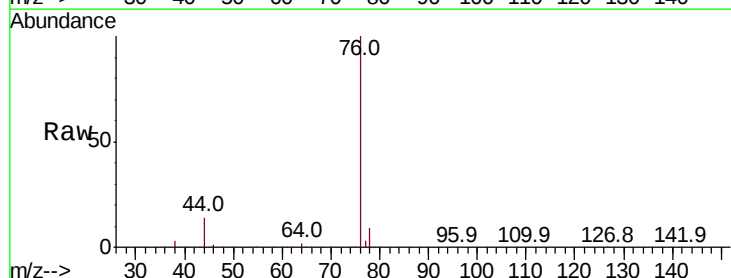
Acq: 23 Jul 2019 08:54

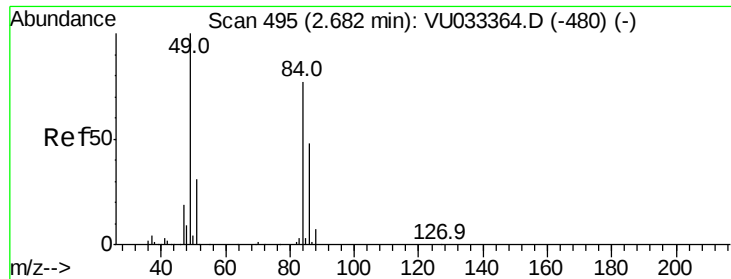
Tgt Ion: 76 Resp: 410603

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





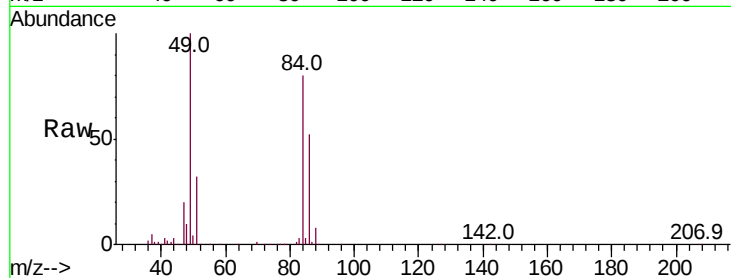
#15
Methvlene Chloride
Concen: 8.278 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

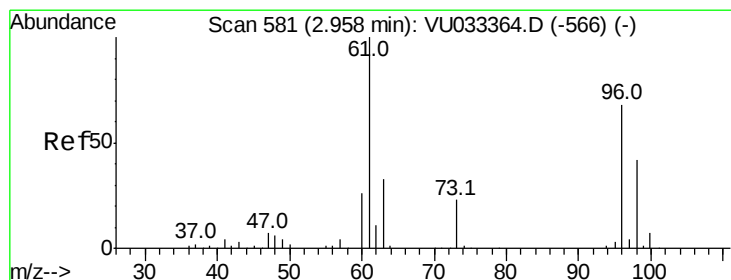
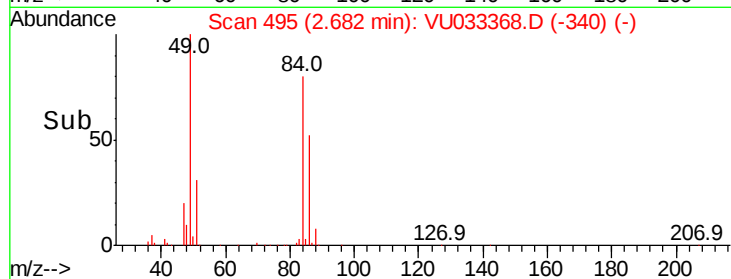
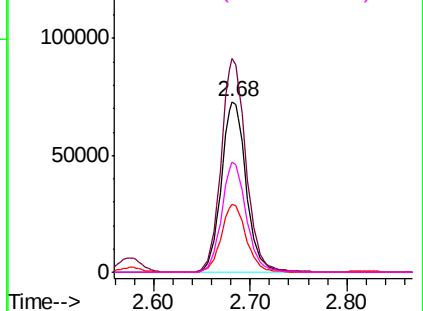
Tot Ion	Ratio	Lower	Upper
84	100		
49	124.8	103.5	155.3
51	39.6	0.0	80.4
86	64.4	50.1	75.1

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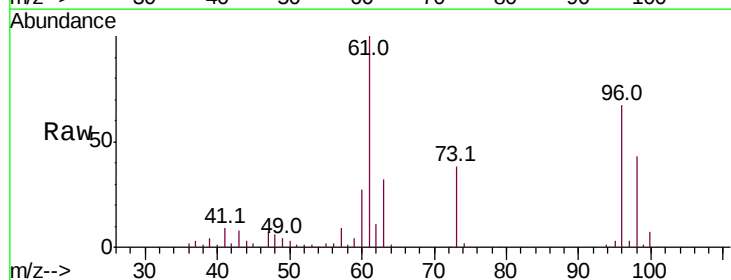


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

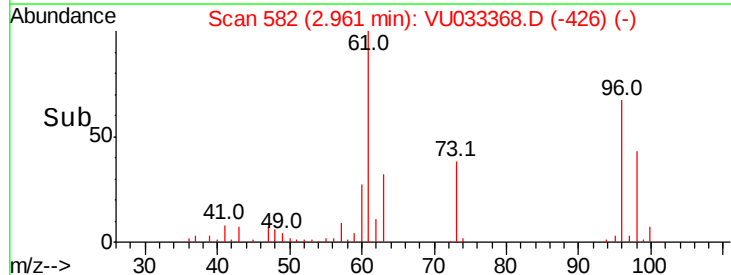
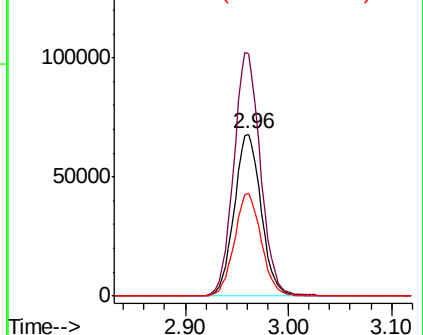


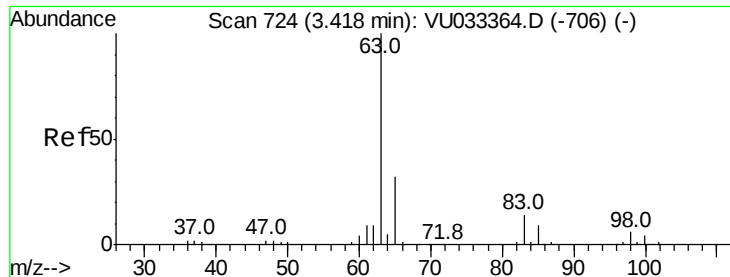
#16
trans-1,2-Dichloroethene
Concen: 8.951 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	118.0	177.0
98	63.5	49.4	74.2



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





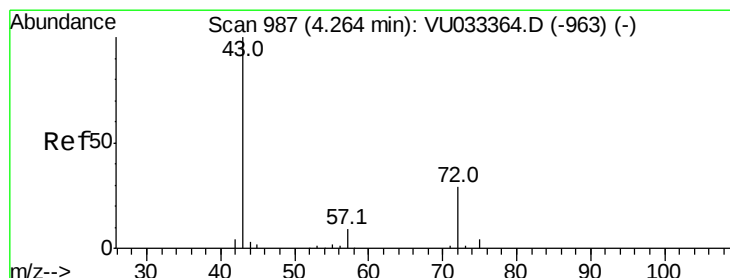
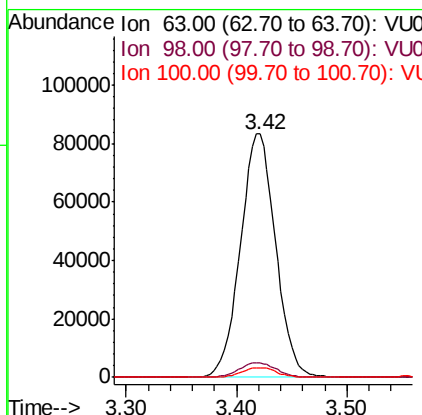
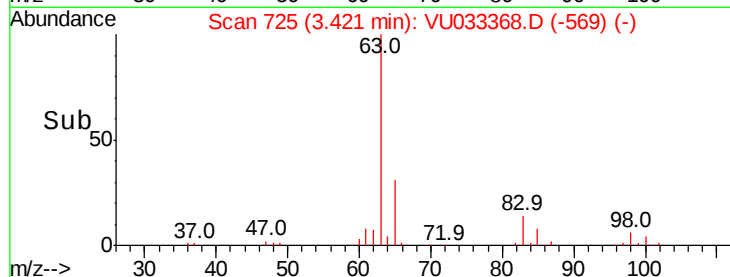
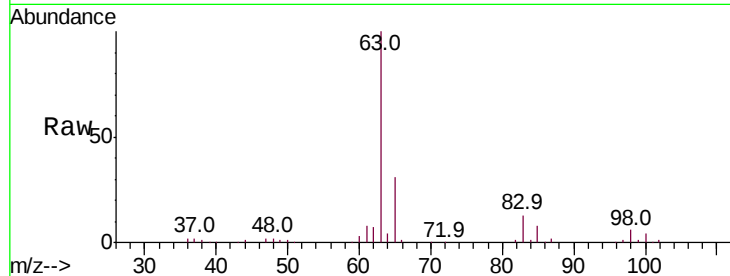
#17
 1,1-Dichloroethane
 Concen: 9.922 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	184010
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.2	9.6
100	4.0	2.1	6.2

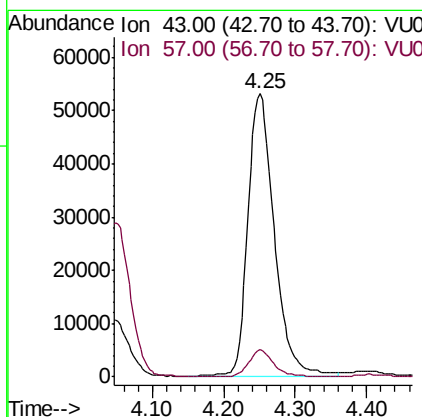
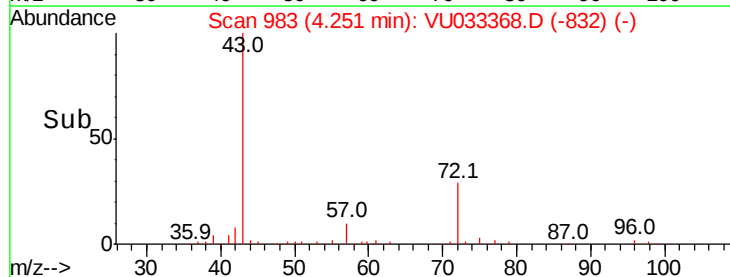
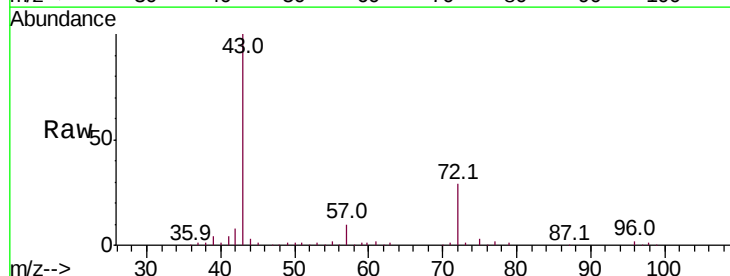
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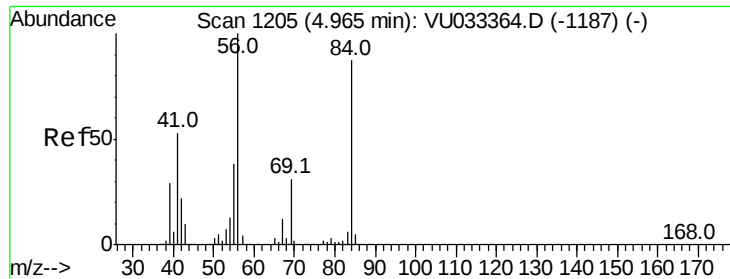
MMDadoda
 7/25/2019 11:05:53 AM



#18
 2-Butanone
 Concen: 51.578 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion:	43	Resp:	136430
Ion Ratio	Lower	Upper	
43	100		
57	9.8	0.0	17.0





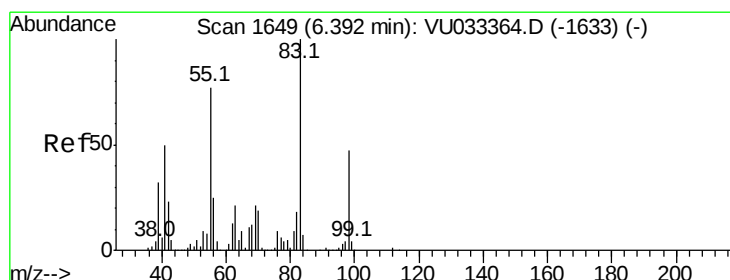
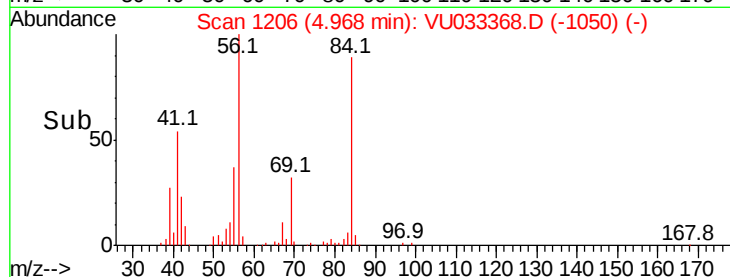
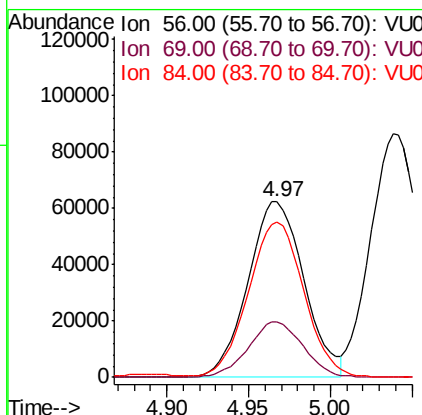
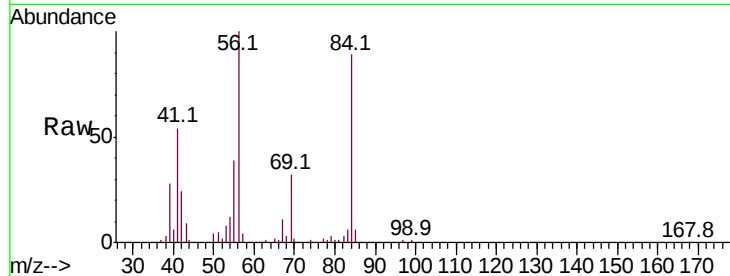
#19
Cyclohexane
Concen: 10.946 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.4
84	86.2	69.8	104.6

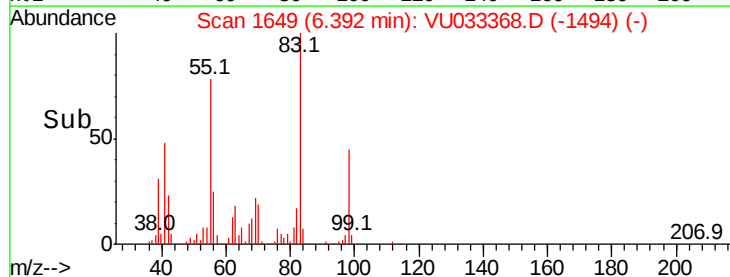
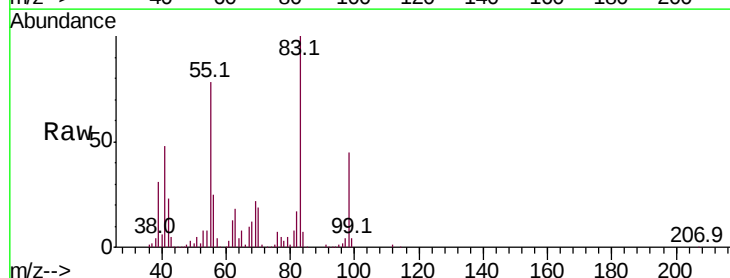
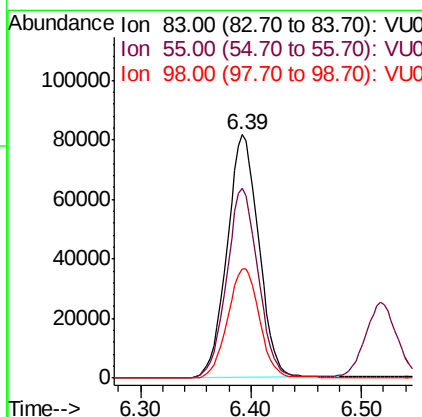
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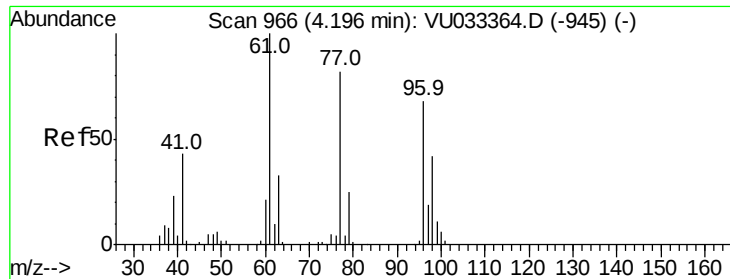
MMDadoda
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#20
Methylcyclohexane
Concen: 11.795 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.3	93.5
98	44.7	37.4	56.0





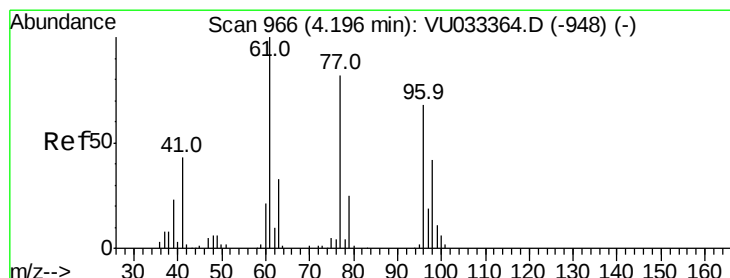
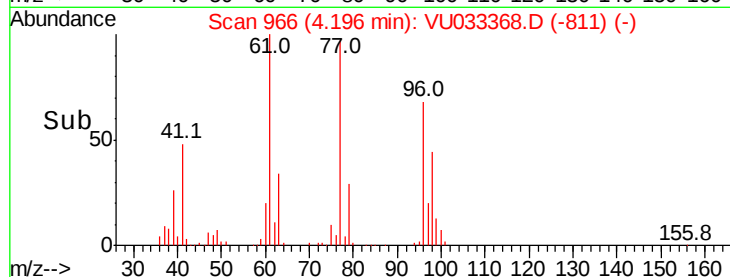
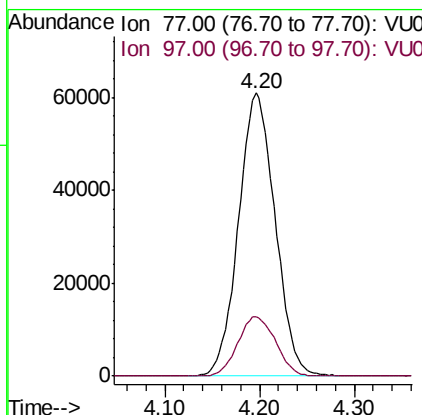
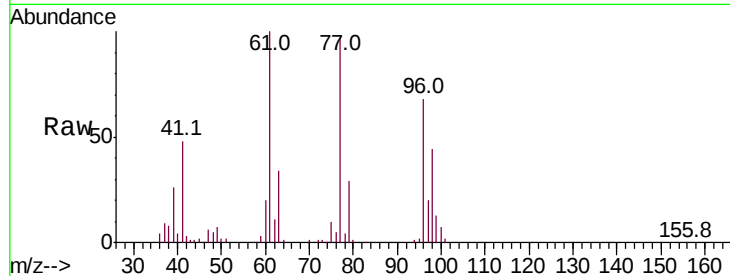
#21
 2,2-Dichloropropane
 Concen: 10.423 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 77 Resp: 163788
 Ion Ratio Lower Upper
 77 100
 97 21.6 17.8 26.8

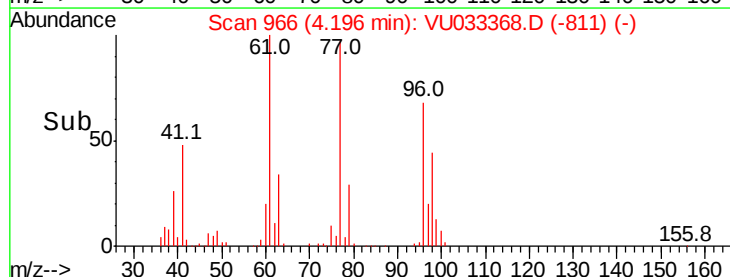
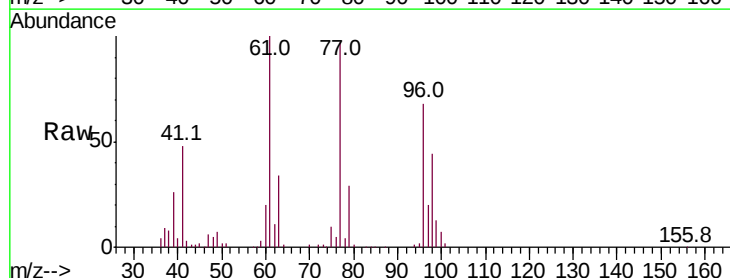
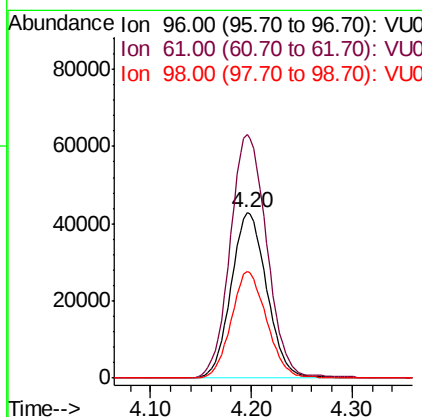
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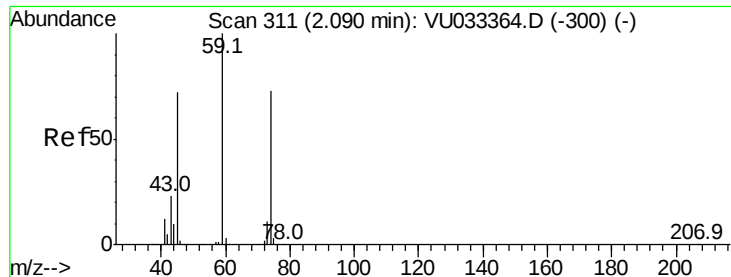
MMDadoda
 7/25/2019 11:05:53 AM



#22
 cis-1,2-Dichloroethene
 Concen: 10.054 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion: 96 Resp: 105284
 Ion Ratio Lower Upper
 96 100
 61 151.7 0.0 376.3
 98 64.1 31.9 95.9





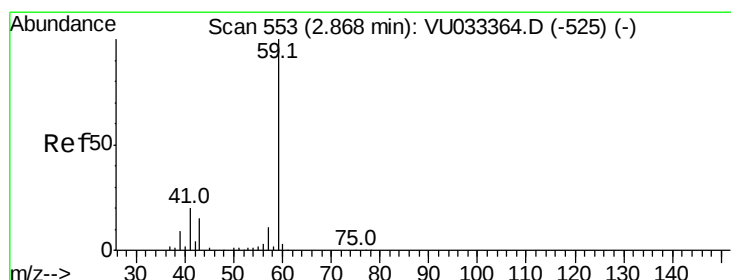
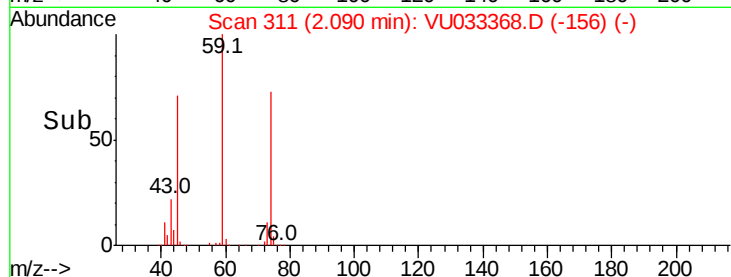
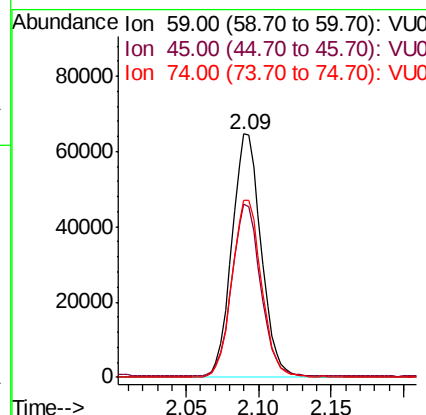
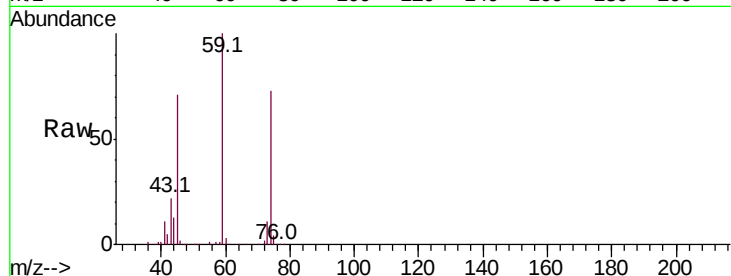
#23
Diethyl Ether
Concen: 8.990 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	59	Ratio	Lower	Upper
59	100			
45	69.6	57.6	86.4	
74	73.2	57.8	86.6	

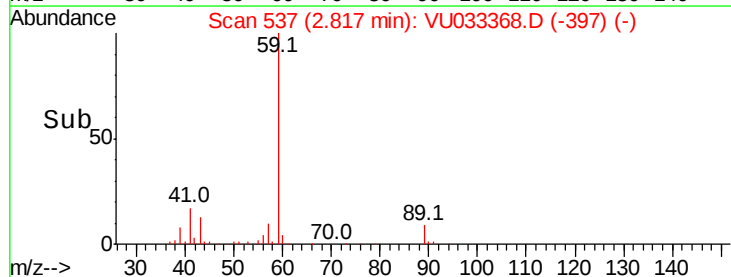
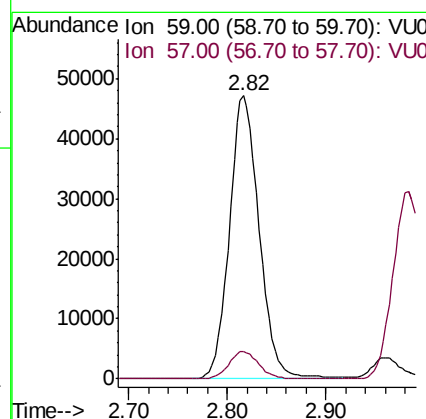
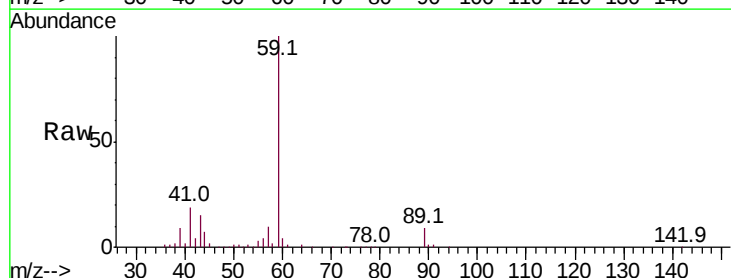
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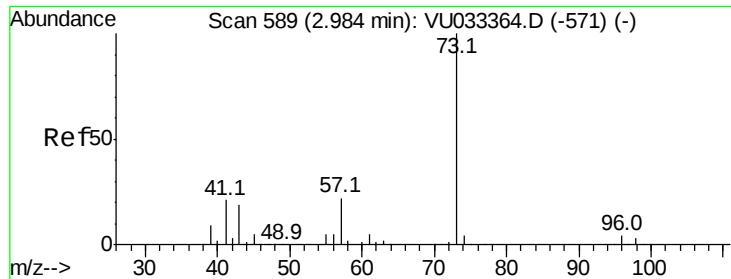
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#24
tert-Butyl Alcohol
Concen: 79.927 ug/l
RT: 2.82 min Scan# 537
Delta R.T. -0.05 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	59	Ratio	Lower	Upper
59	100			
57	9.7	7.8	11.8	





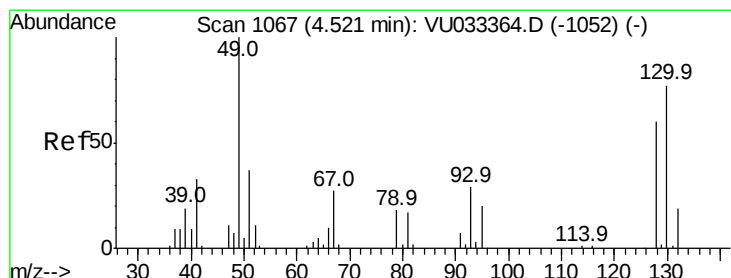
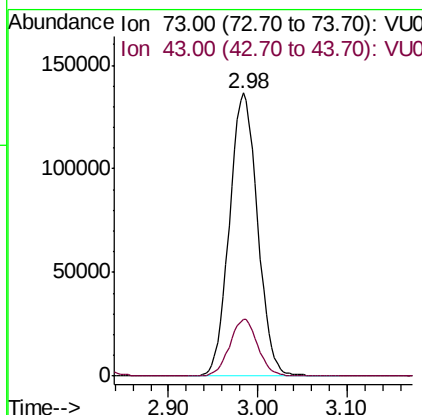
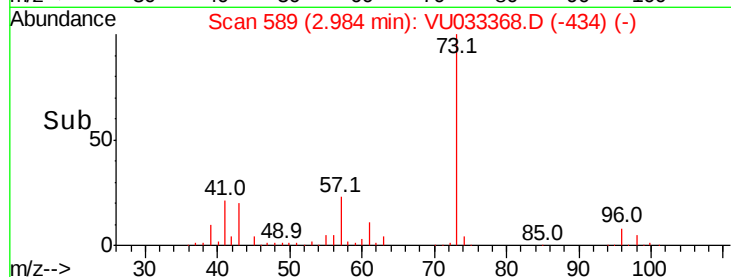
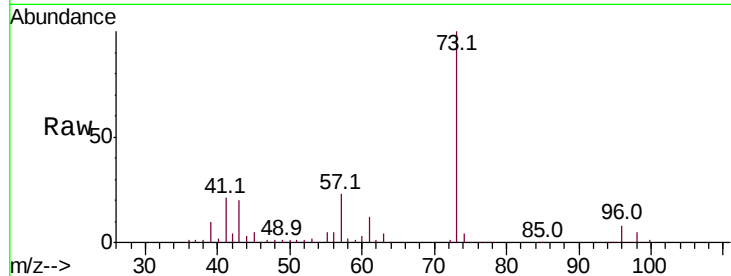
#25
Methvl tert-Butvl Ether
Concen: 8.913 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 73 Resp: 298627
Ion Ratio Lower Upper
73 100
43 19.9 16.6 24.8

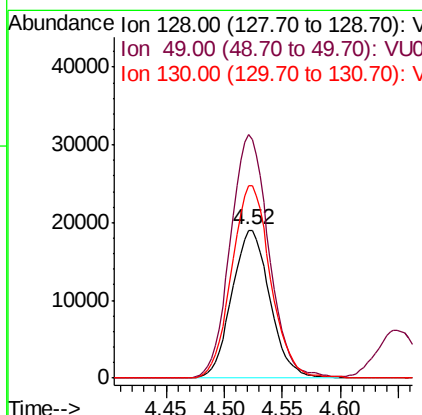
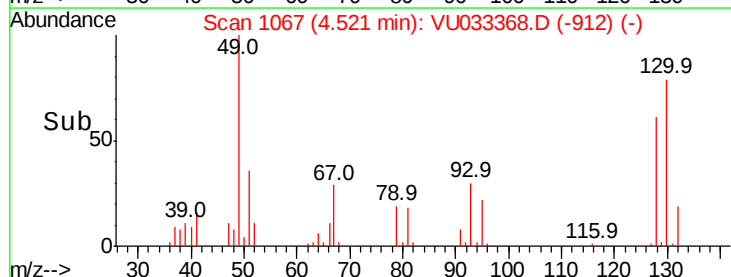
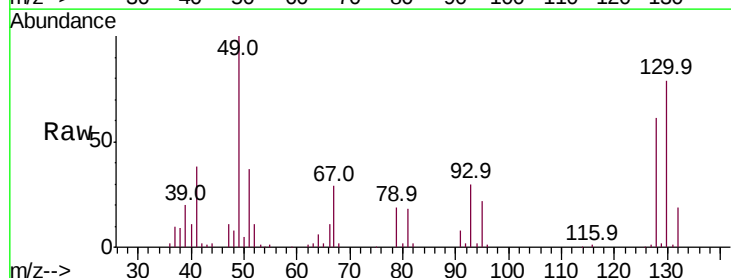
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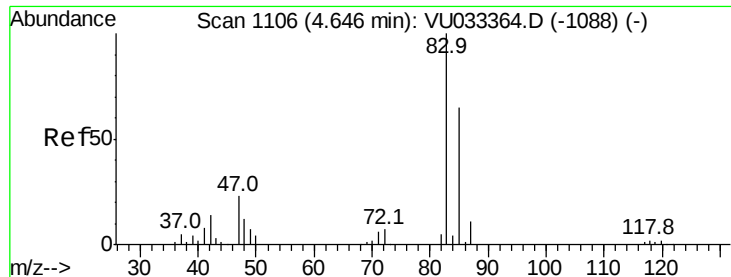
MMDadoda
7/25/2019 11:05:53 AM



#26
Bromochloromethane
Concen: 9.471 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion: 128 Resp: 43614
Ion Ratio Lower Upper
128 100
49 166.0 0.0 333.4
130 132.5 103.4 155.2





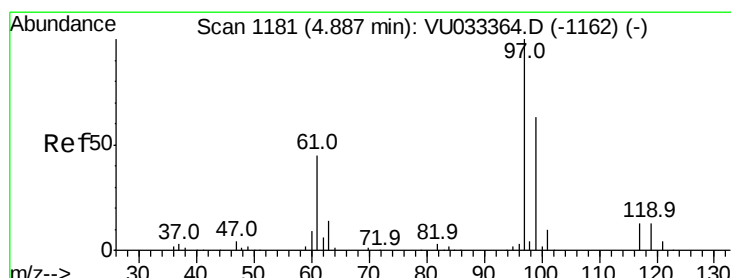
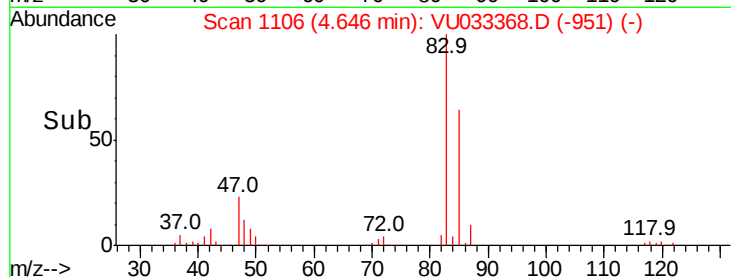
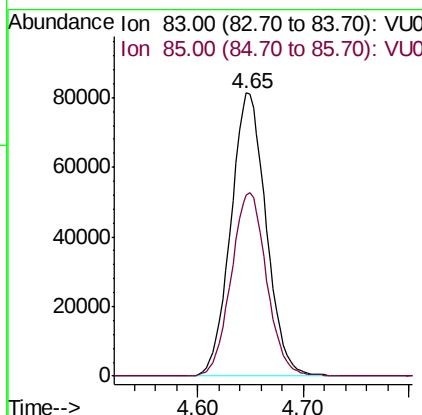
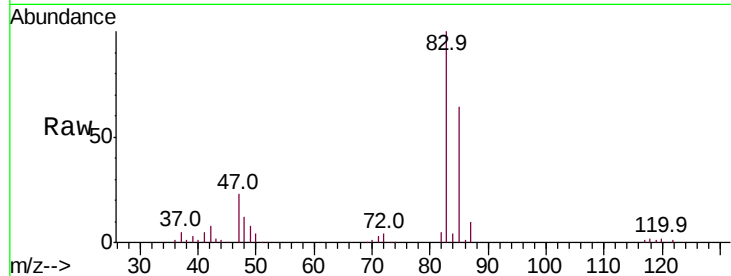
#27
Chloroform
Concen: 8.897 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	188565
Ion Ratio	100	Lower	Upper
85	64.2	0.0	129.8

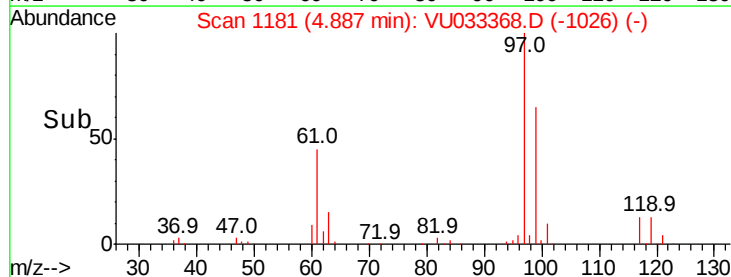
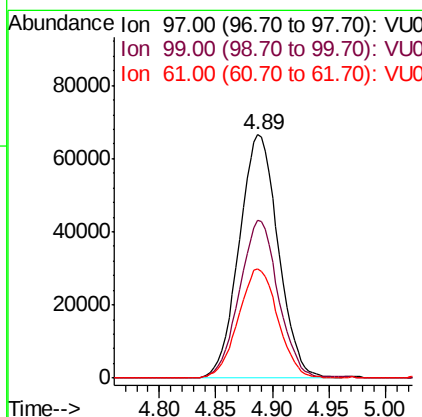
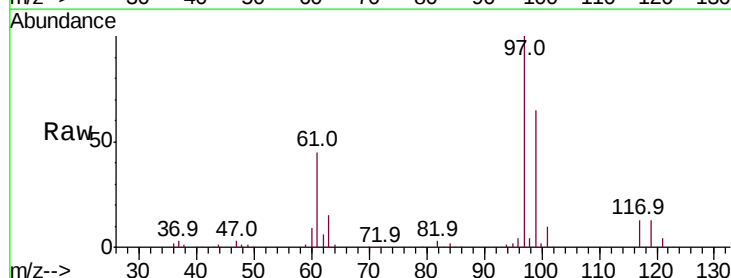
Manual Integrations
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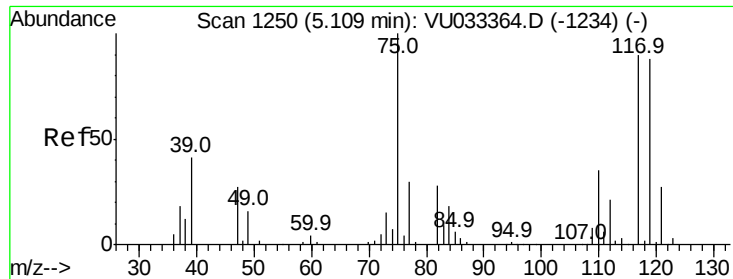
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 9.761 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	97	Resp	160177
Ion Ratio	100	Lower	Upper
99	64.2	31.9	95.5
61	45.5	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.489 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 141959

Ion Ratio Lower Upper

75 100

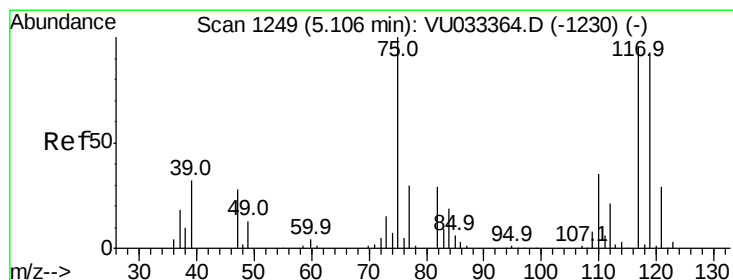
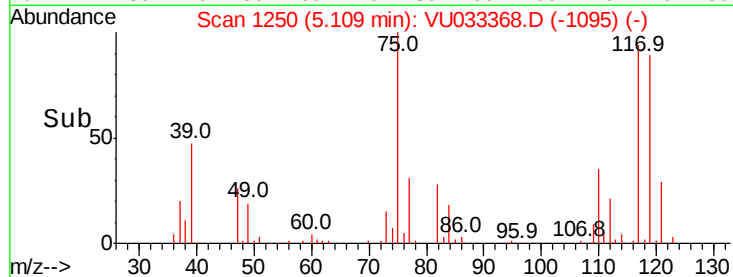
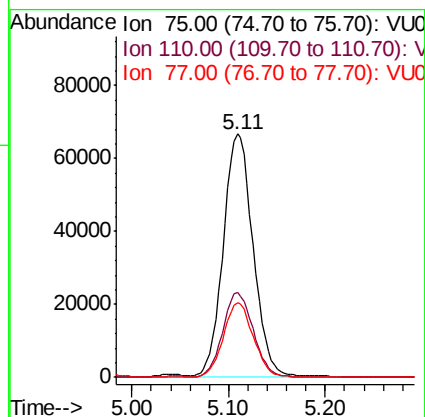
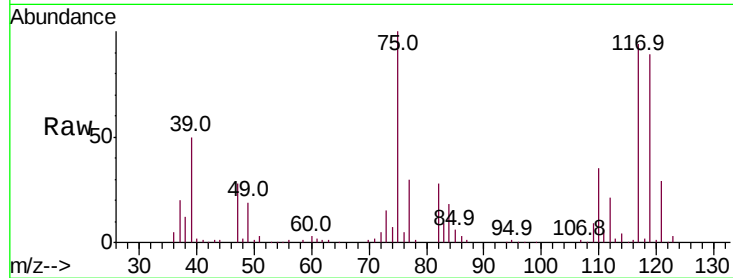
110 35.9 17.5 52.6

77 30.6 25.1 37.7

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#30

Carbon Tetrachloride

Concen: 10.070 ug/l

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

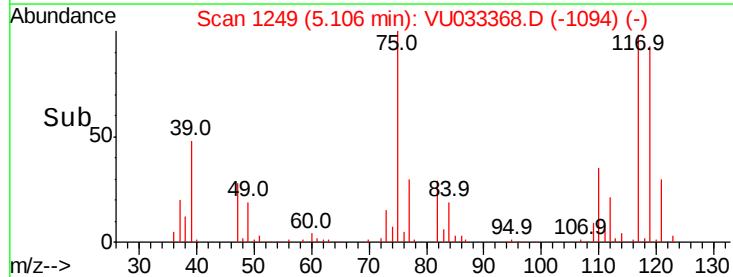
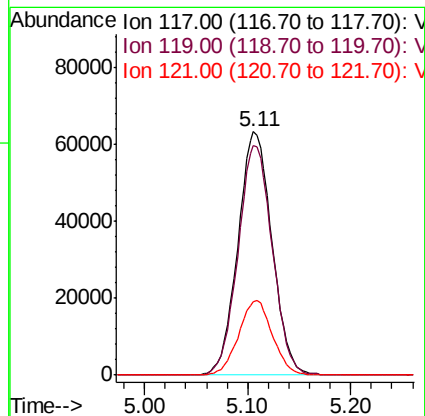
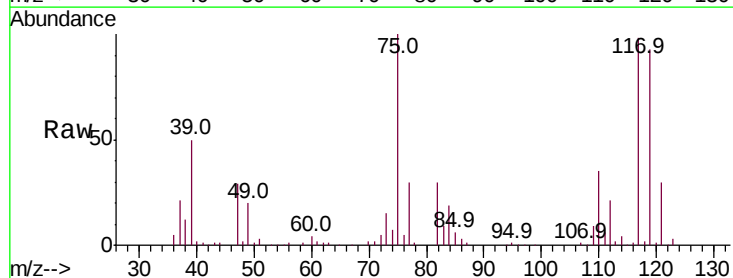
Tgt Ion: 117 Resp: 145438

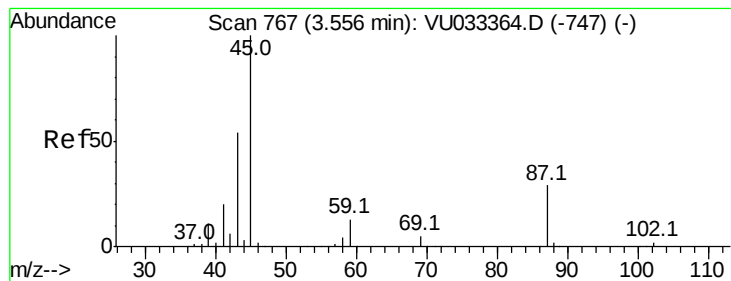
Ion Ratio Lower Upper

117 100

119 94.5 77.9 116.9

121 30.2 24.0 36.0





#31

Isopropyl Ether

Concen: 10.275 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 240848

Ion Ratio Lower Upper

45 100

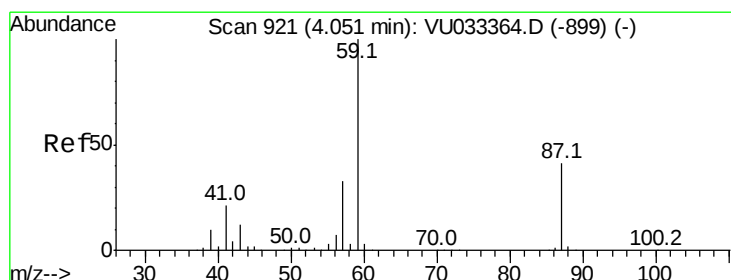
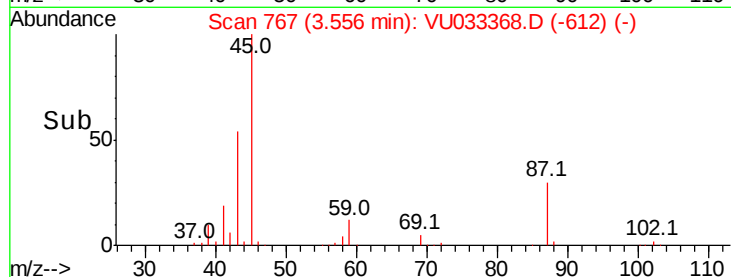
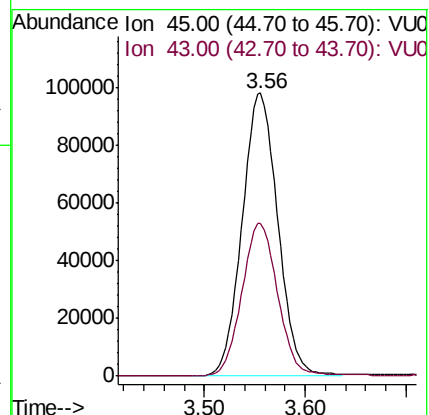
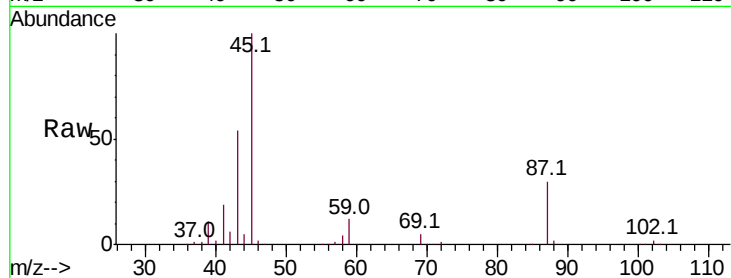
43 54.3 27.8 83.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 10.415 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033368.D

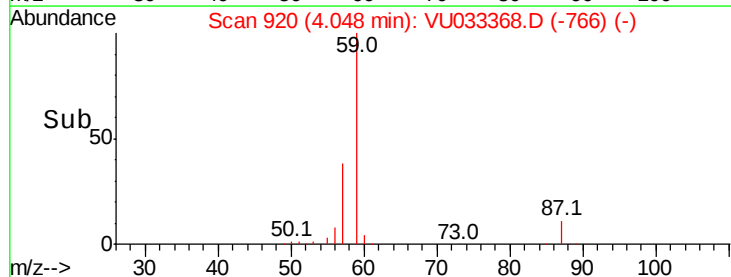
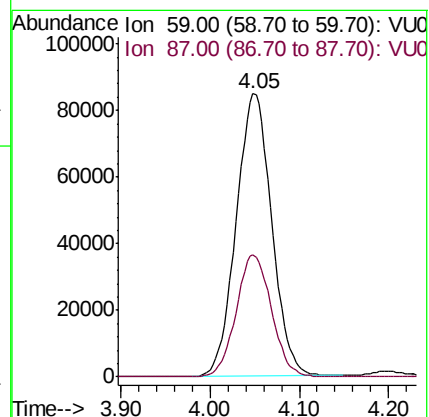
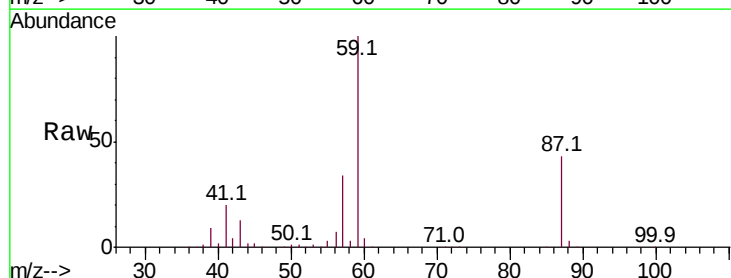
Acq: 23 Jul 2019 08:54

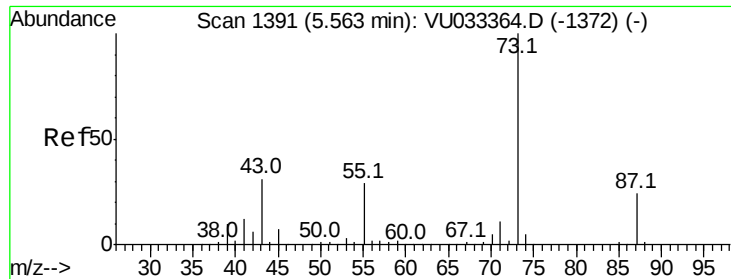
Tgt Ion: 59 Resp: 234693

Ion Ratio Lower Upper

59 100

87 42.7 33.8 50.6





#33

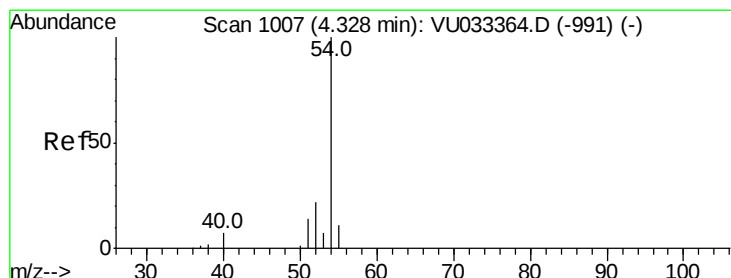
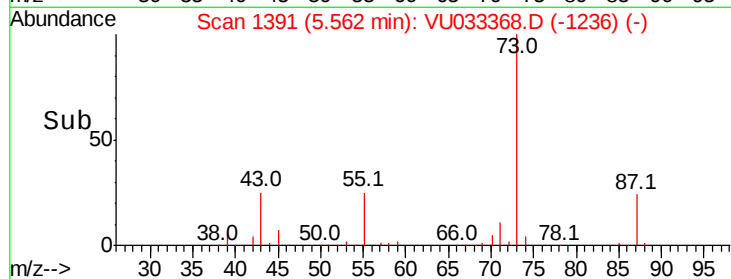
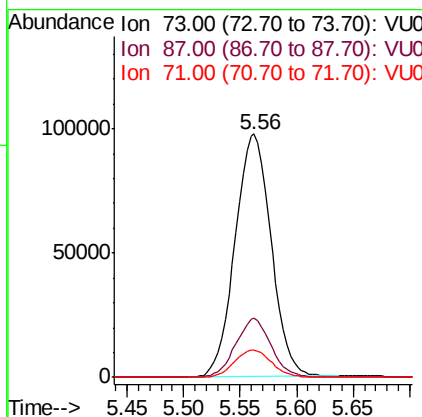
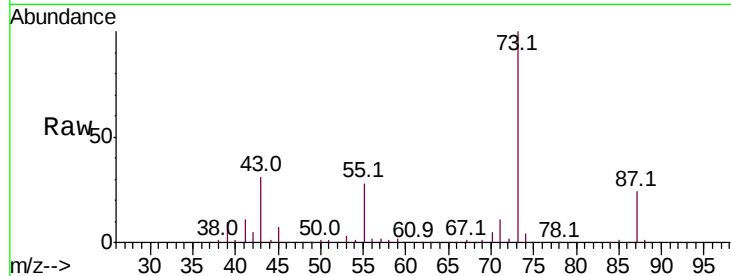
Tert-Butyl methyl ether
 Concen: 10.703 ug/l
 RT: 5.56 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.9	28.3
71	11.5	9.3	13.9

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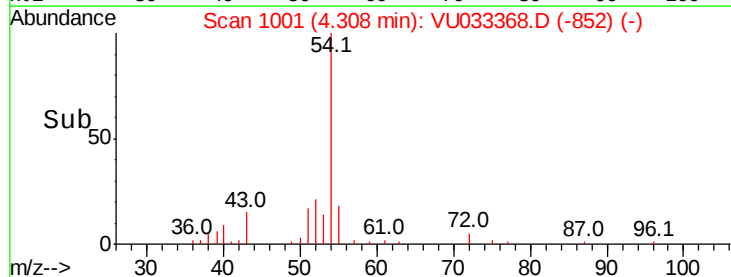
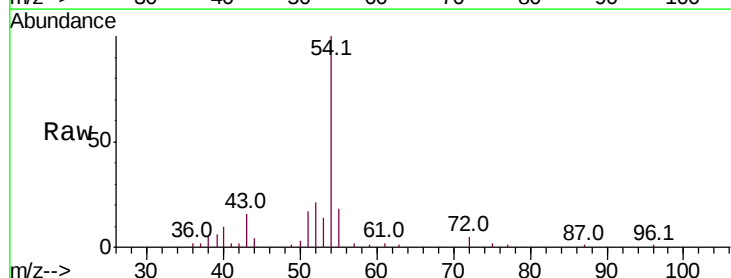
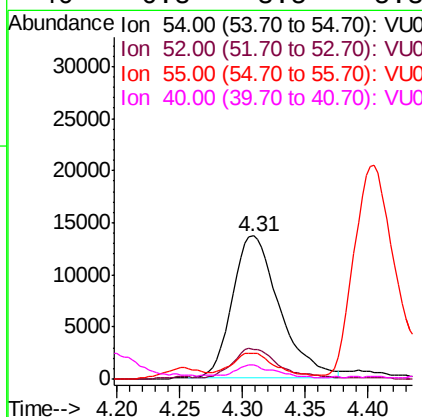
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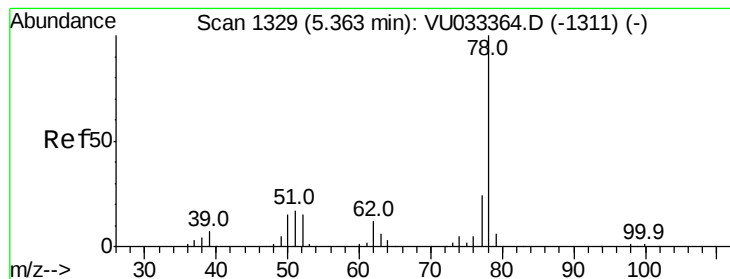


#34

Propionitrile
 Concen: 46.719 ug/l
 RT: 4.31 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.9	17.1	25.7
55	17.6	11.6	17.4#
40	6.8	3.5	5.3#





#35

Benzene

Concen: 10.315 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 403375

Ion Ratio Lower Upper

78 100

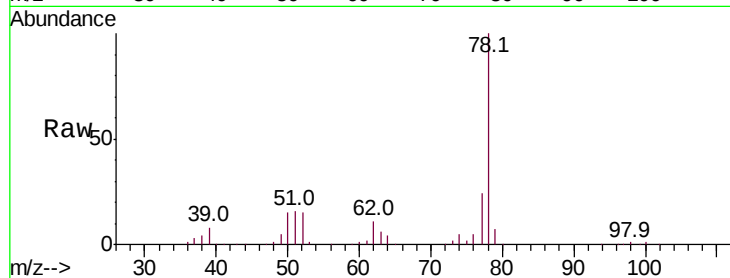
77 24.5 19.4 29.2

Manual Integrations

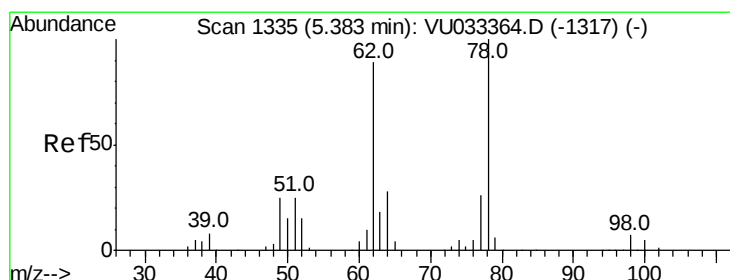
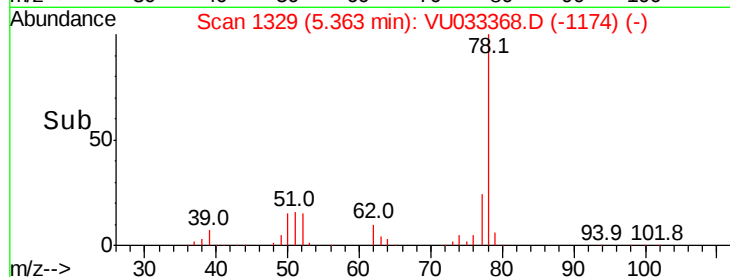
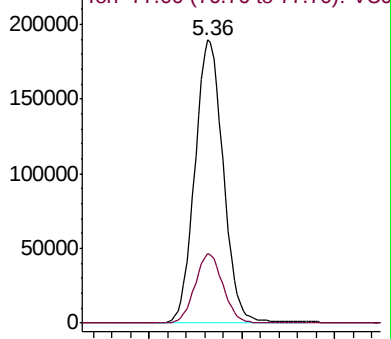
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Abundance Ion 78.10 (77.80 to 78.80): VU033368.D (-1174) (-)



#36

1,2-Dichloroethane

Concen: 9.527 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033368.D

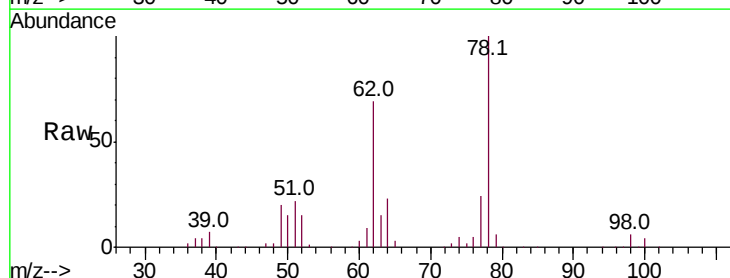
Acq: 23 Jul 2019 08:54

Tgt Ion: 62 Resp: 123991

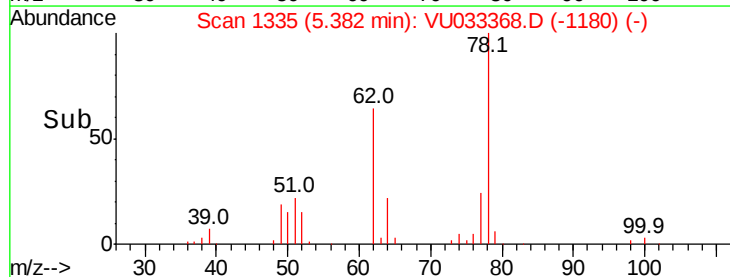
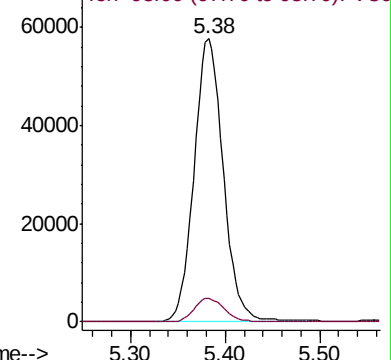
Ion Ratio Lower Upper

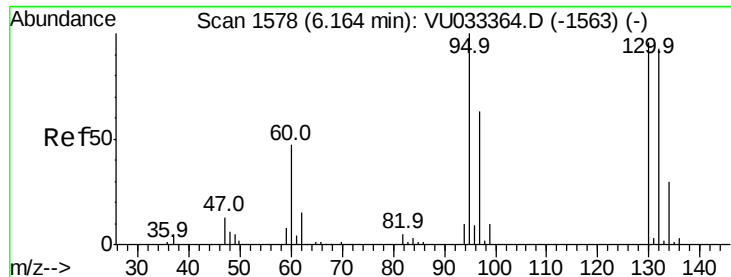
62 100

98 8.5 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033368.D (-1180) (-)





#37

Trichloroethene

Concen: 10.361 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:130 Resp: 106935

Ion Ratio Lower Upper

130 100

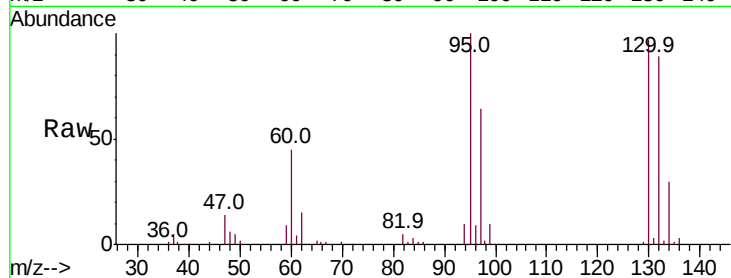
95 103.2 83.4 125.0

Manual Integrations

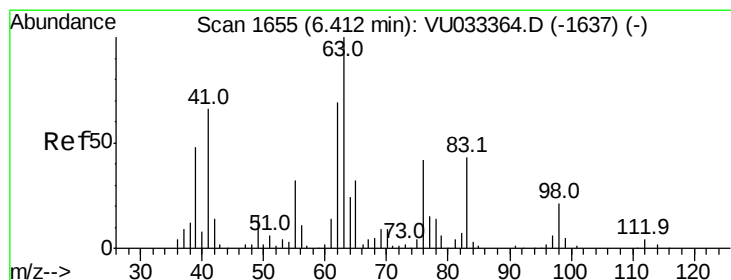
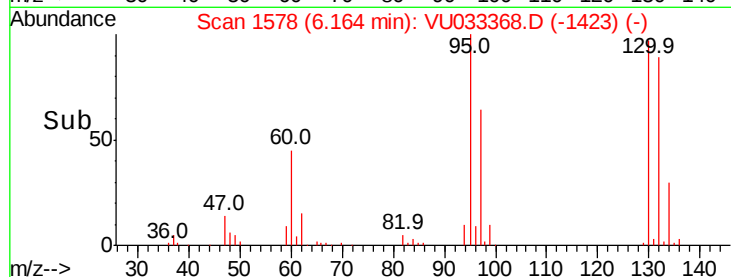
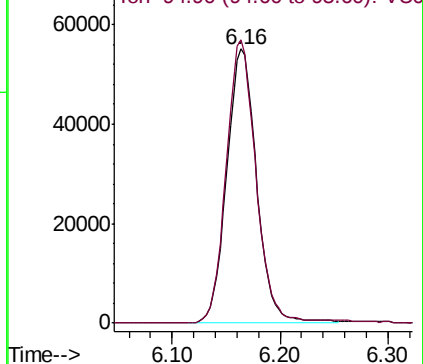
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Abundance Ion 129.90 (129.60 to 130.60): VU033368.D (-1423) (-)



#38

1,2-Dichloropropane

Concen: 9.875 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033368.D

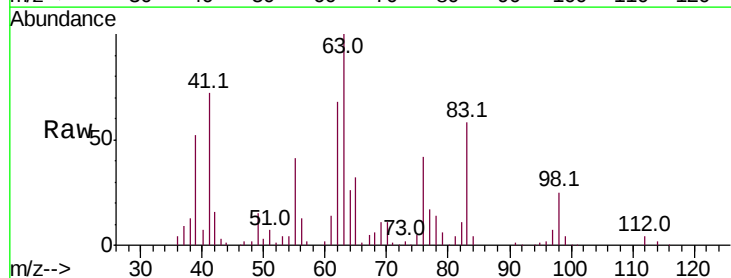
Acq: 23 Jul 2019 08:54

Tgt Ion: 63 Resp: 106549

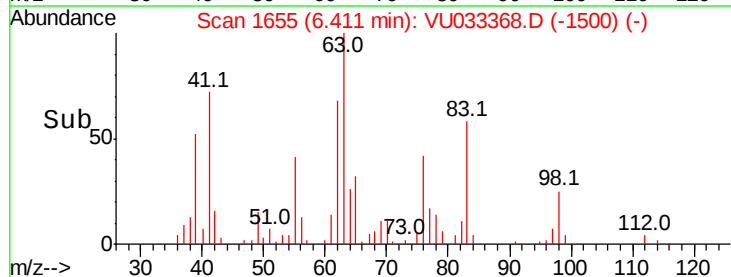
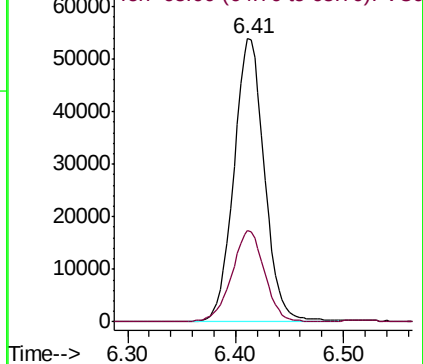
Ion Ratio Lower Upper

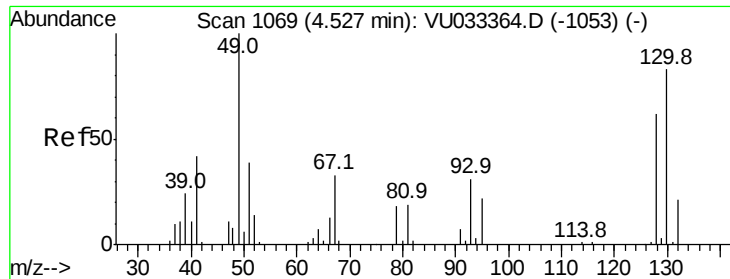
63 100

65 32.3 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033368.D (-1500) (-)





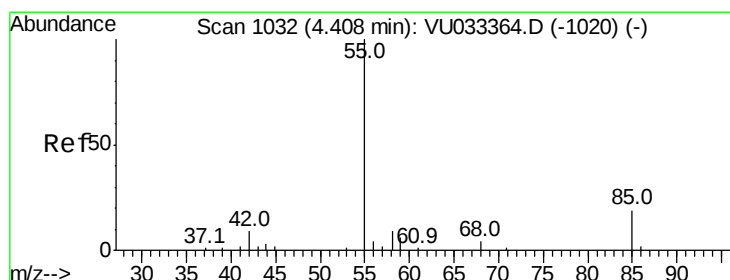
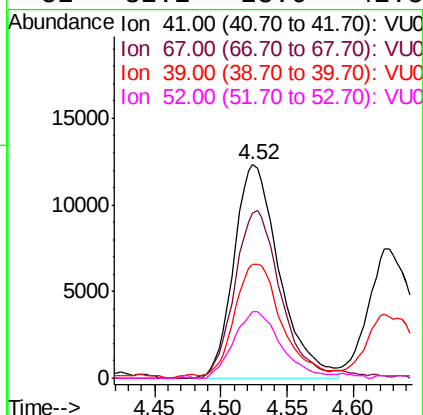
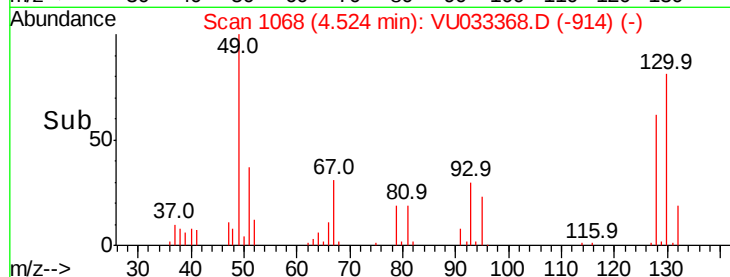
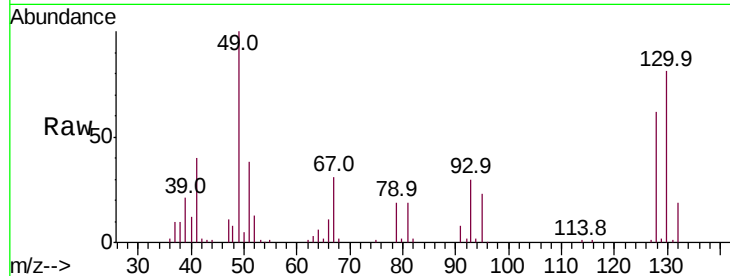
#39
Methacrylonitrile
Concen: 9.790 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
67	78.0	64.4	96.6
39	52.3	46.8	70.2
52	32.2	28.6	42.8

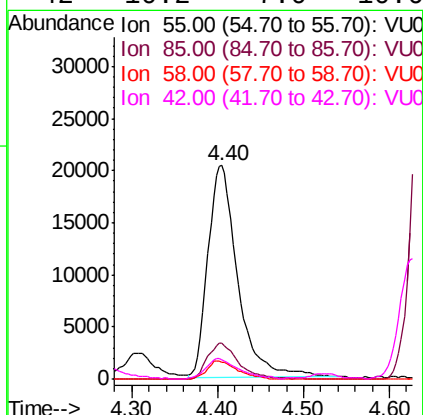
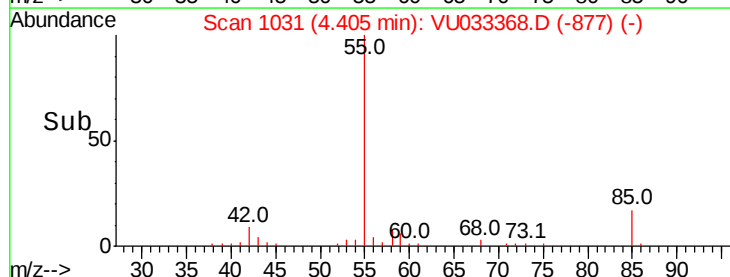
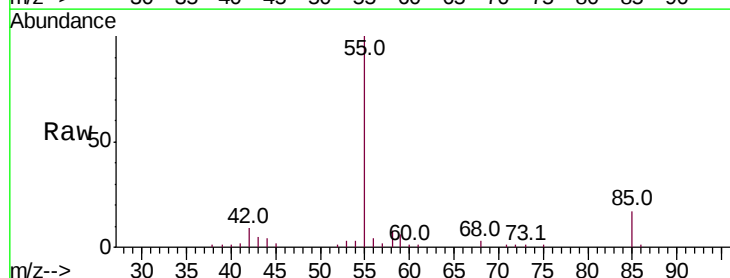
Manual Integrations
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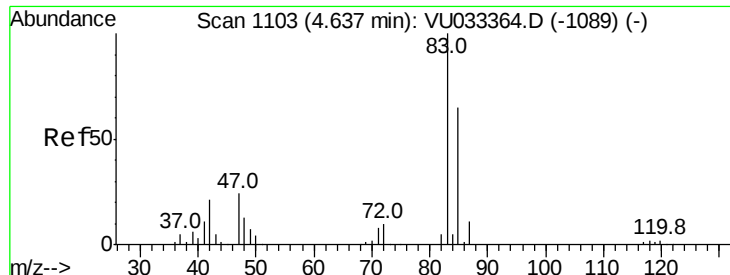
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#40
Methyl acrylate
Concen: 10.597 ug/l
RT: 4.40 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.9	14.8	22.2
58	8.4	7.1	10.7
42	10.2	7.0	10.6





#41

Tetrahydrofuran

Concen: 19.420 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

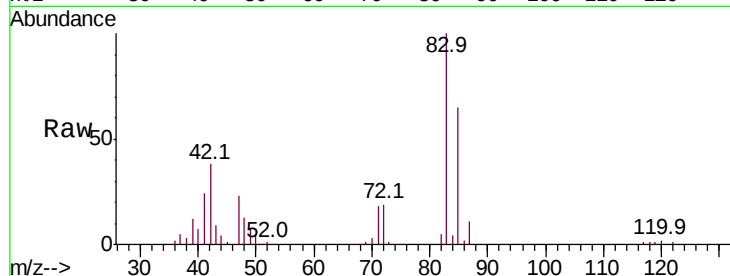
ClientSampleId :

VSTDCCC010

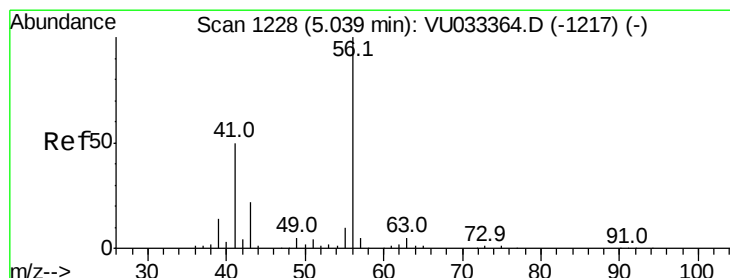
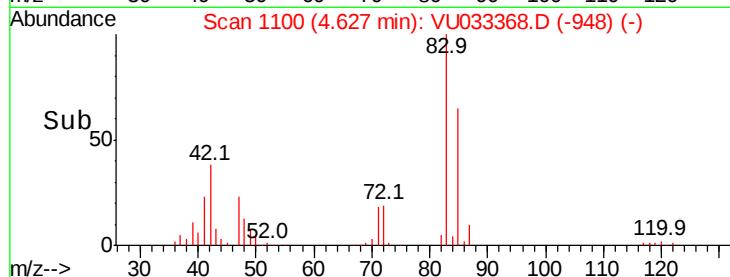
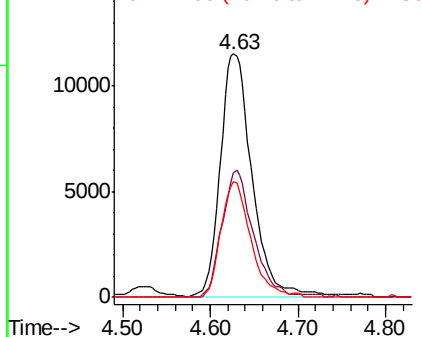
Tot Ion:	42	Resp:	29330
Ion	Ratio	Lower	Upper
42	100		
72	51.2	38.7	58.1
71	44.1	34.6	52.0

Manual Integrations
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Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 10.251 ug/l

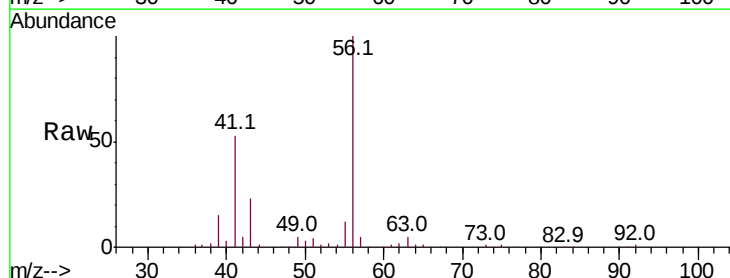
RT: 5.04 min Scan# 1228

Delta R.T. -0.00 min

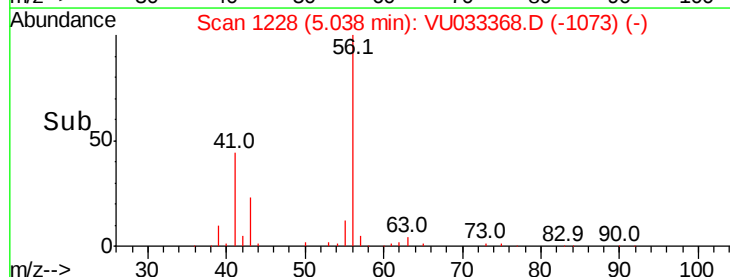
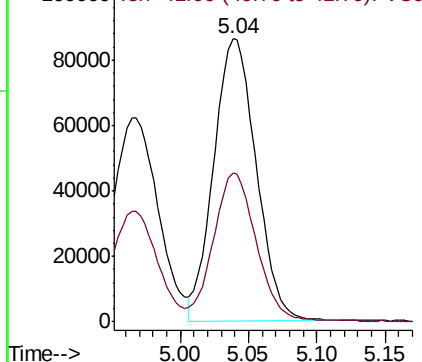
Lab File: VU033368.D

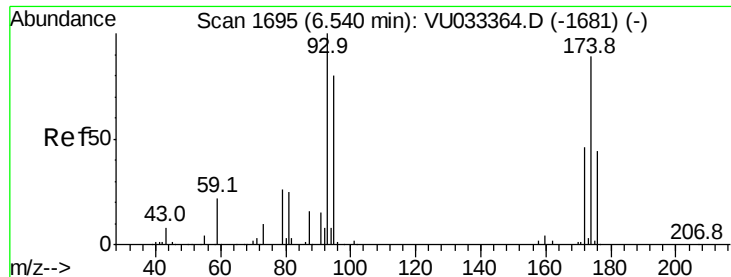
Acq: 23 Jul 2019 08:54

Tgt Ion:	56	Resp:	186023
Ion	Ratio	Lower	Upper
56	100		
41	53.3	25.7	77.1



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





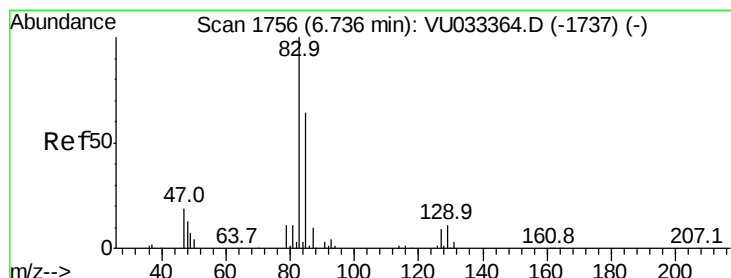
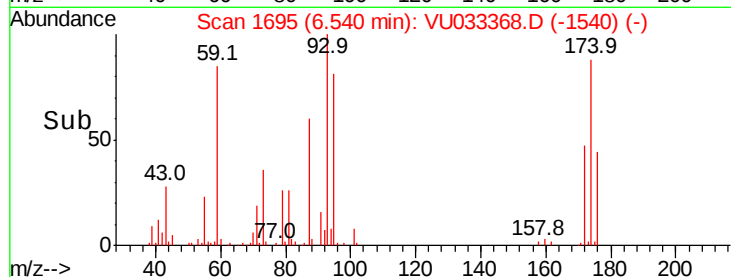
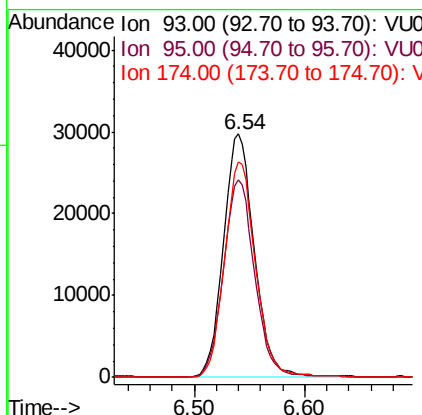
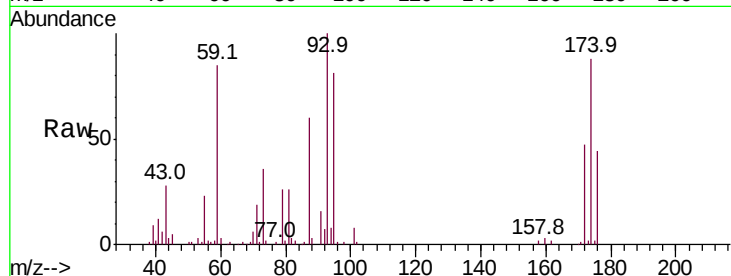
#43
Dibromomethane
Concen: 9.672 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.3	97.9
174	88.5	70.7	106.1

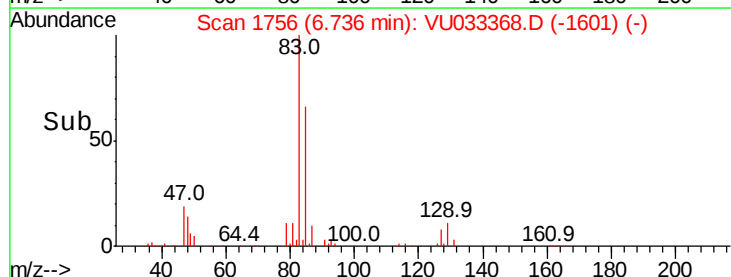
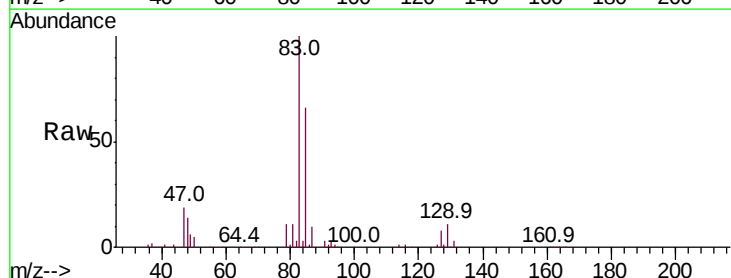
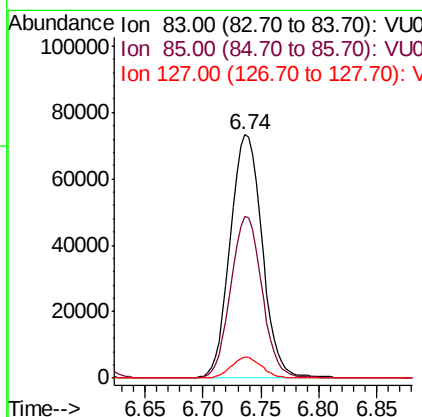
Manual Integrations
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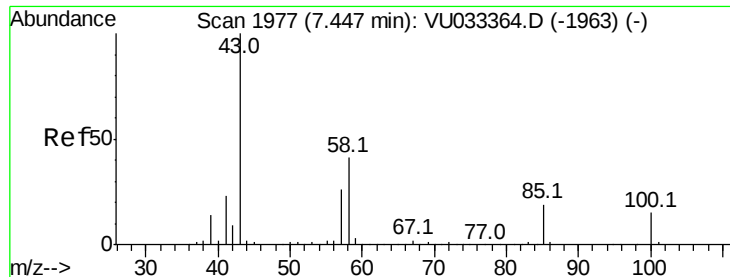
MMDadoda
7/25/2019 11:05:53 AM



#44
Bromodichloromethane
Concen: 9.654 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.1	76.7
127	8.4	7.2	10.8





#45

4-Methyl-2-Pentanone

Concen: 50.573 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

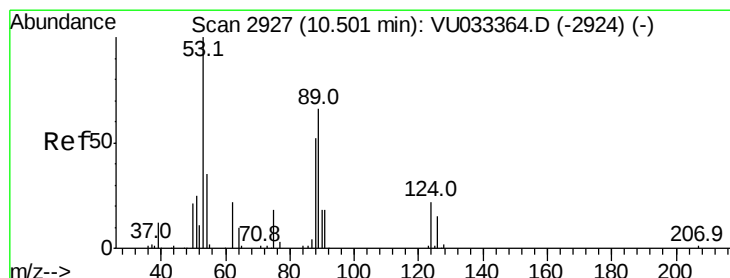
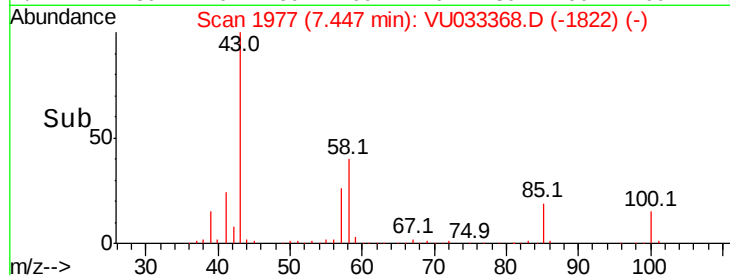
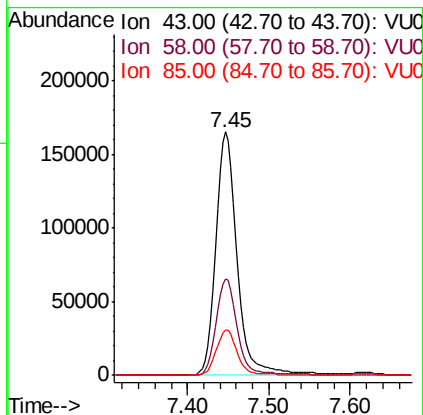
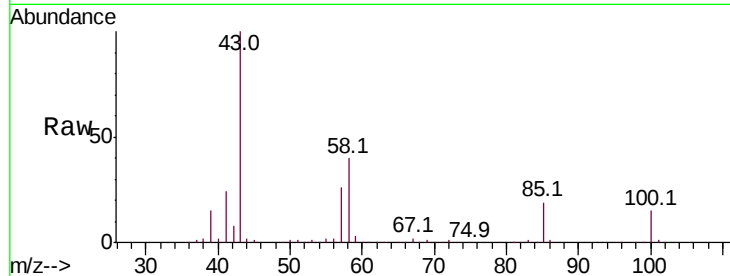
ClientSampleId :

VSTDCCC010

Tot Ion:	43	Resp:	308090
Ion	Ratio	Lower	Upper
43	100		
58	40.1	20.3	60.8
85	18.8	15.0	22.6

Manual Integrations
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MMDadoda
7/25/2019 11:05:53 AM



#46

t-1,4-Dichloro-2-butene

Concen: 23.310 ug/l m

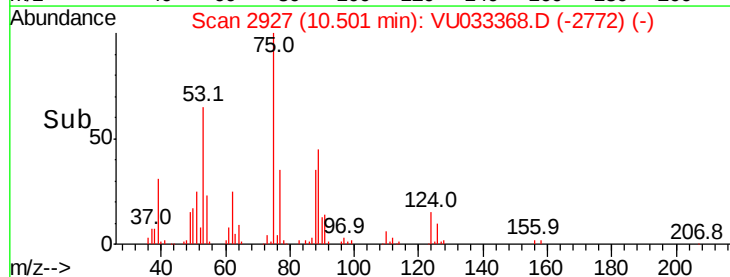
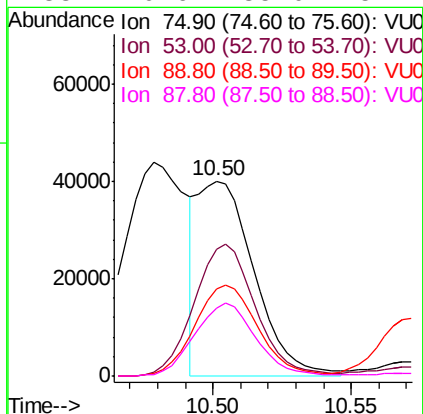
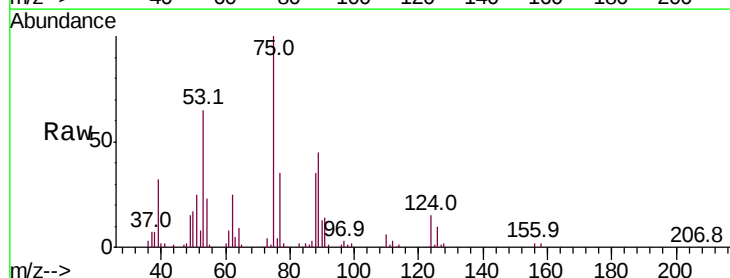
RT: 10.50 min Scan# 2927

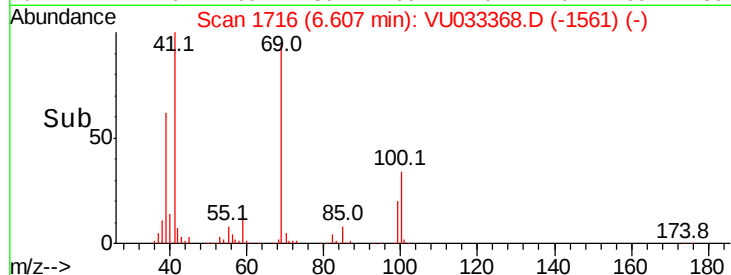
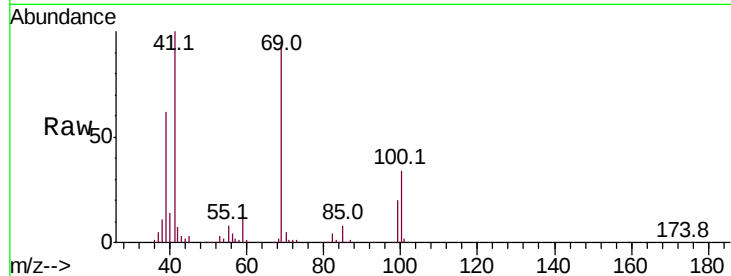
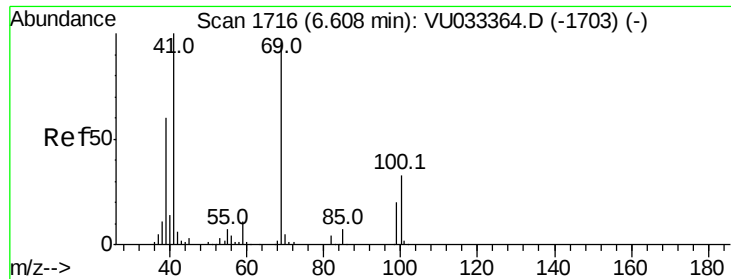
Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Tgt Ion:	75	Resp:	57310
Ion	Ratio	Lower	Upper
75	100		
53	73.4	62.9	94.3
89	51.8	43.0	64.4
88	40.6	35.0	52.4





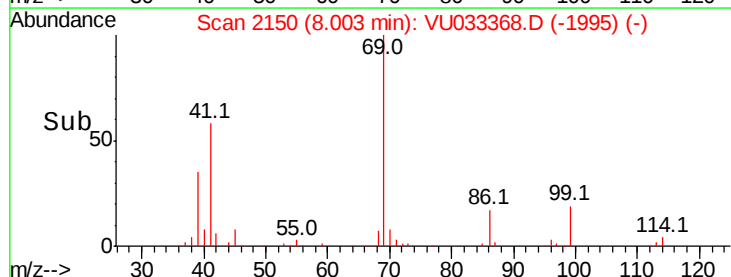
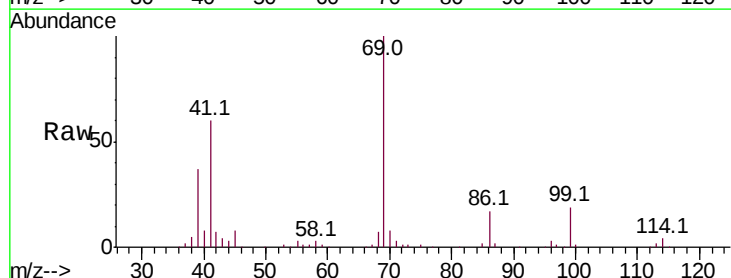
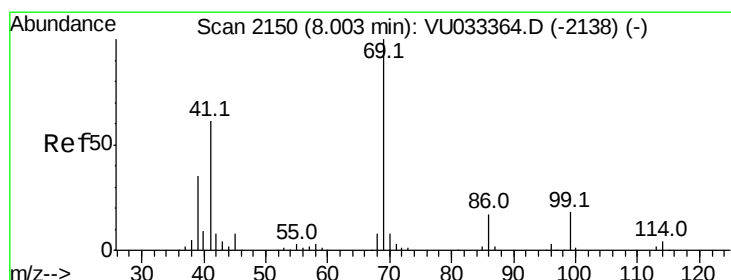
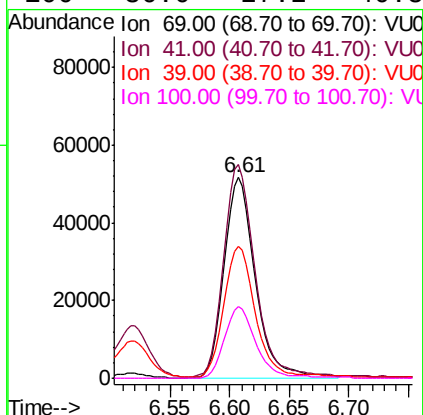
#47
Methyl methacrylate
Concen: 20.815 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	104.8	0.0	208.2		
39	64.4	50.6	75.8		
100	36.0	27.2	40.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

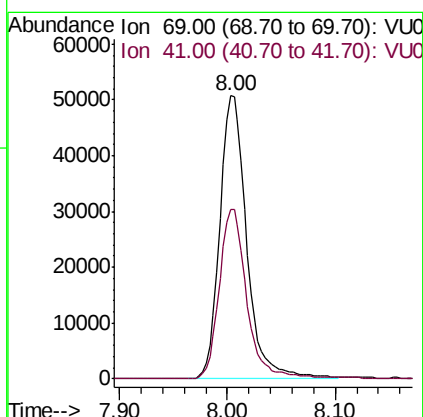
Manual Integrations
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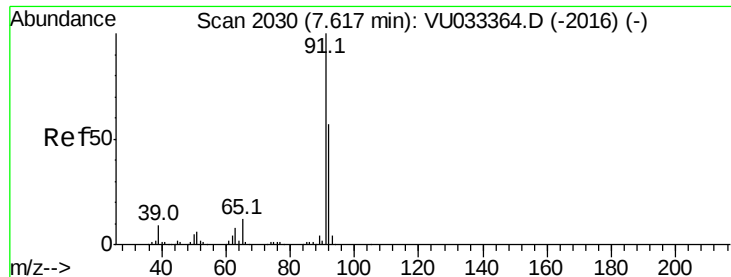
MMDadoda
7/25/2019 11:05:53 AM



#48
Ethyl methacrylate
Concen: 11.001 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.4	30.9	92.7		





#49

Toluene

Concen: 11.311 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC010

Tot Ion: 92 Resp: 253388

Ion Ratio Lower Upper

92 100

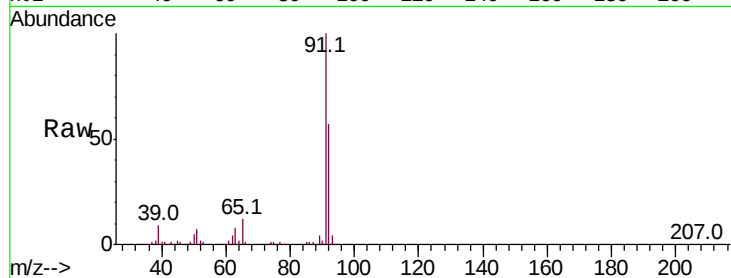
91 176.6 142.1 213.1

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU033368.D (-1875) (-)

Ion 91.00 (90.70 to 91.70): VU033368.D (-1875) (-)

250000

200000

150000

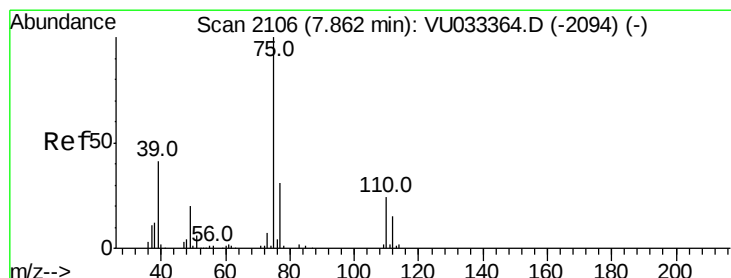
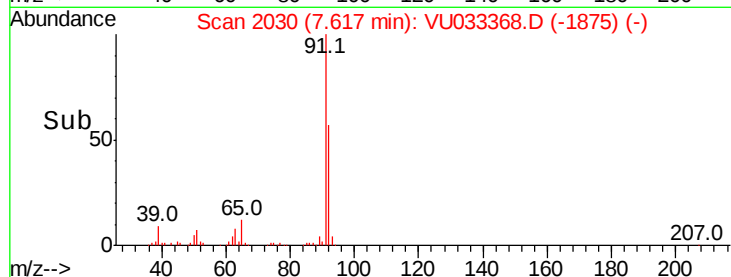
100000

50000

0

7.50 7.60 7.70

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.751 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033368.D

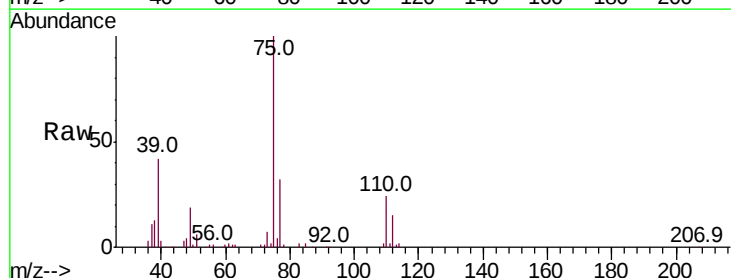
Acq: 23 Jul 2019 08:54

Tgt Ion: 75 Resp: 129153

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033368.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VU033368.D (-1951) (-)

80000

60000

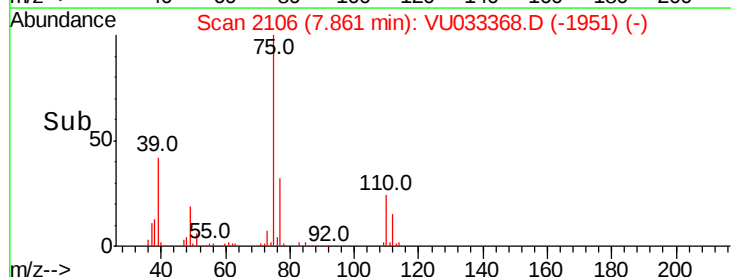
40000

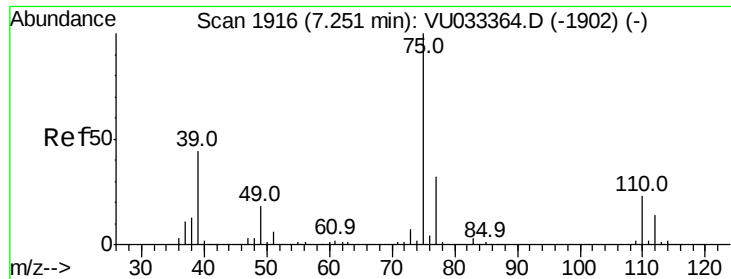
20000

0

7.80 7.90 8.00

Time-->





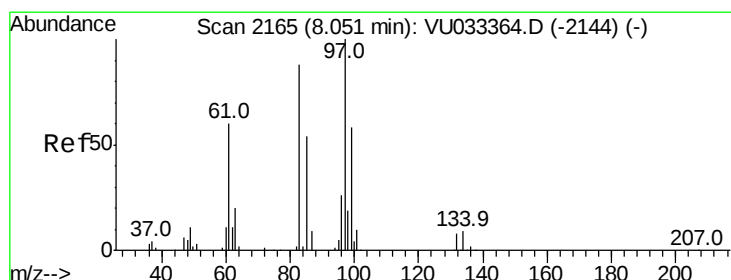
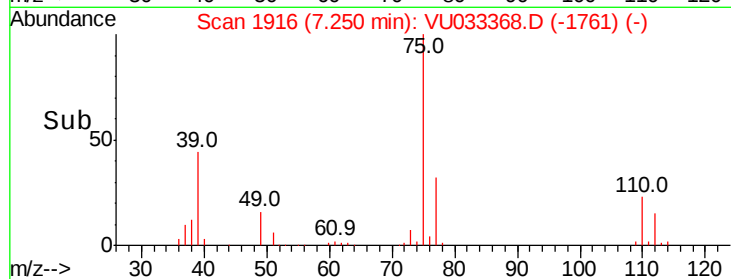
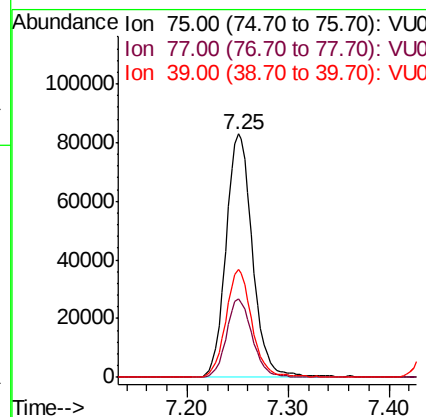
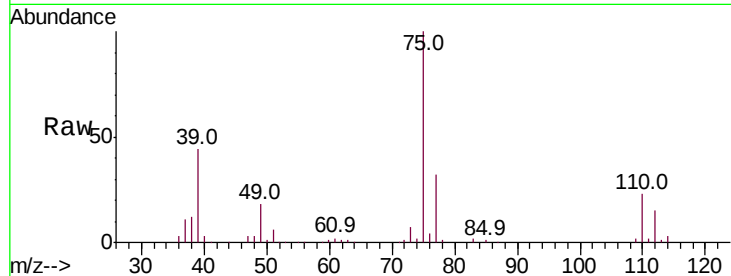
#51
 cis-1,3-Dichloropropene
 Concen: 10.724 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010

Tot Ion:	75	Resp:	152103
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	44.0	35.2	52.8

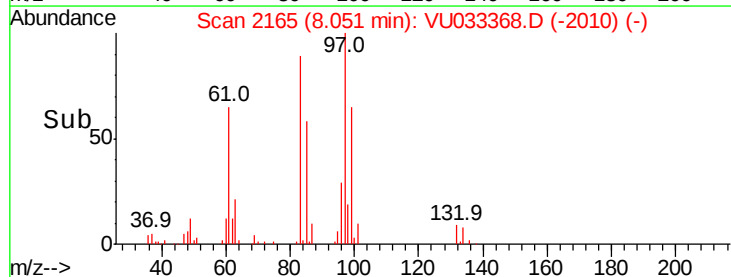
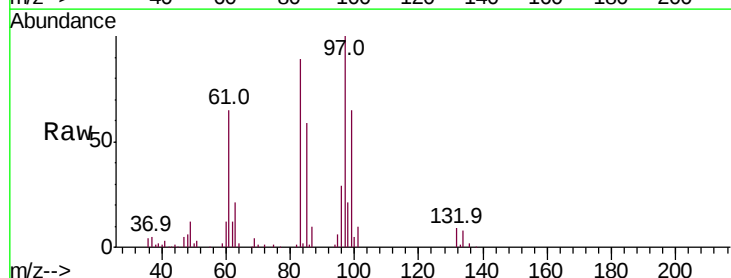
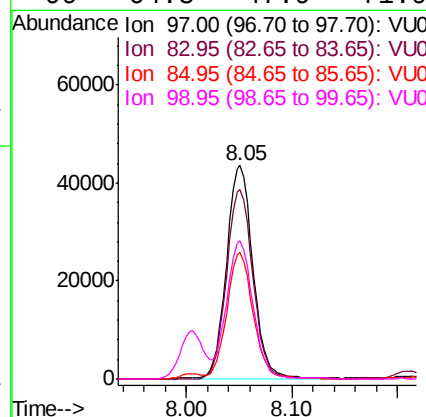
Manual Integrations
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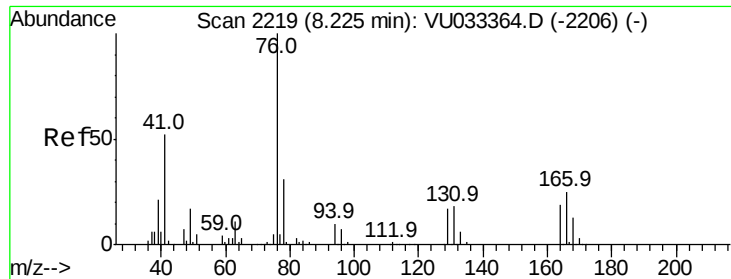
MMDadoda
 7/25/2019 11:05:53 AM



#52
 1,1,2-Trichloroethane
 Concen: 9.390 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion:	97	Resp:	74959
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.2	105.2
85	59.3	43.5	65.3
99	64.8	47.9	71.9





#53

1,3-Dichloropropane

Concen: 9.983 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 134671

Ion Ratio Lower Upper

76 100

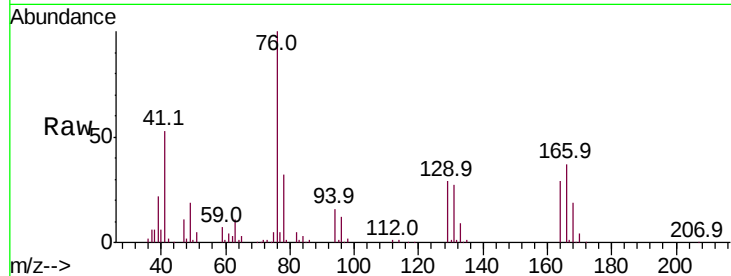
78 31.8 25.7 38.5

Manual Integrations

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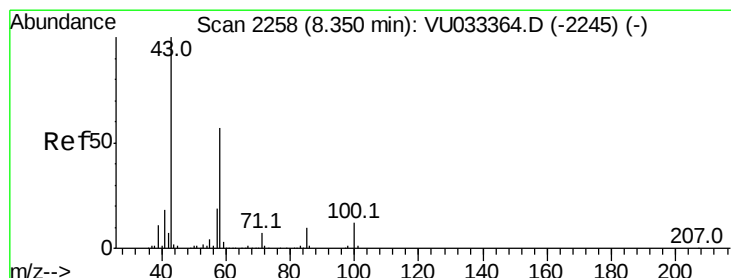
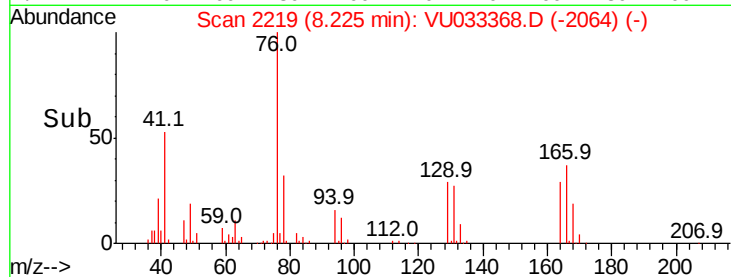
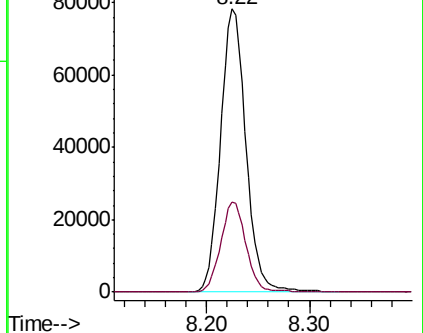
MMDadoda

7/25/2019 11:05:53 AM



Abundance Ion 76.00 (75.70 to 76.70): VU033368.D (-2064) (-)

Ion 78.00 (77.70 to 78.70): VU033368.D (-2064) (-)



#54

2-Hexanone

Concen: 53.537 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

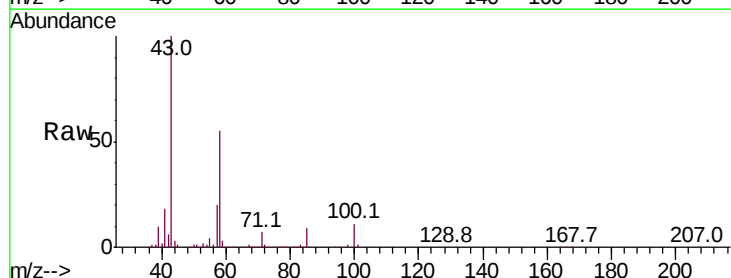
Tgt Ion: 43 Resp: 229586

Ion Ratio Lower Upper

43 100

58 55.3 36.0 76.0

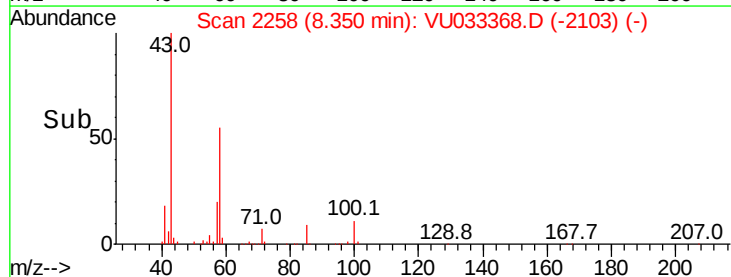
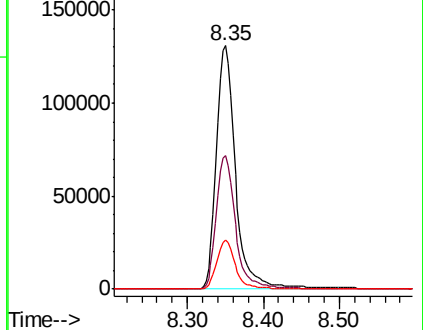
57 19.3 0.0 39.4

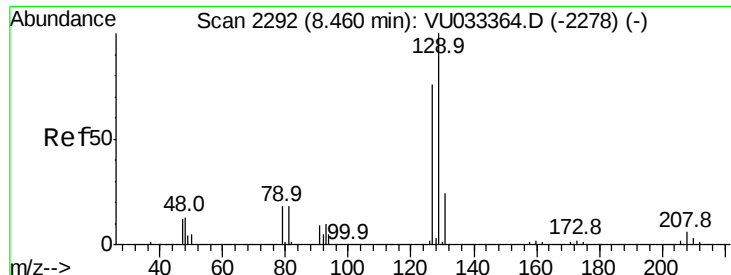


Abundance Ion 43.00 (42.70 to 43.70): VU033368.D (-2103) (-)

Ion 58.00 (57.70 to 58.70): VU033368.D (-2103) (-)

Ion 57.00 (56.70 to 57.70): VU033368.D (-2103) (-)





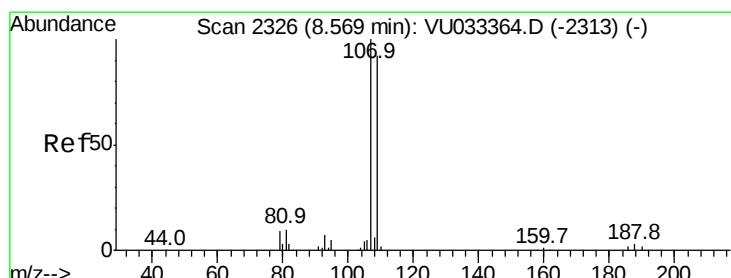
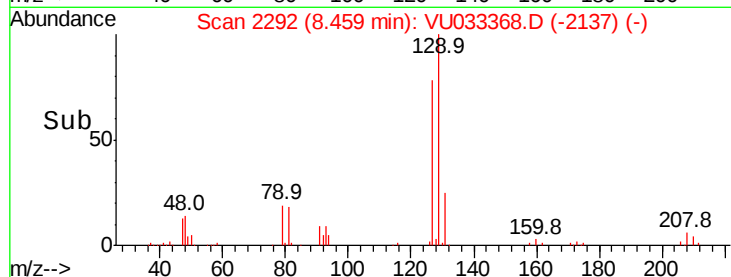
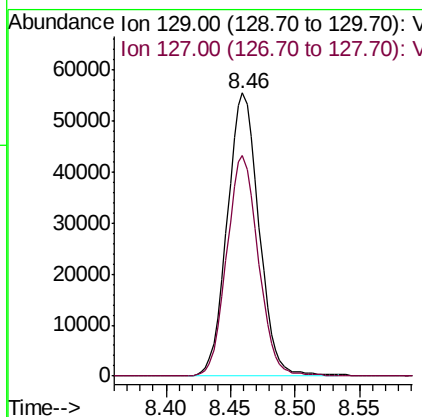
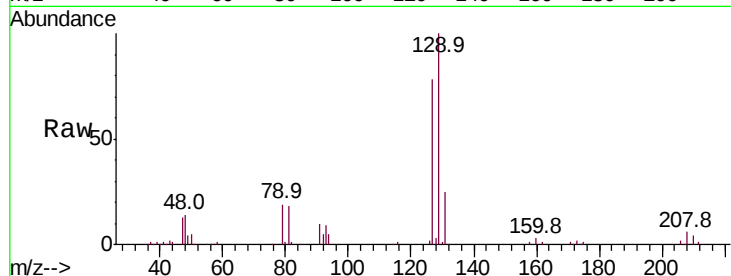
#55
Dibromochloromethane
Concen: 10.164 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:129 Resp: 94777
Ion Ratio Lower Upper
129 100
127 77.4 60.9 91.3

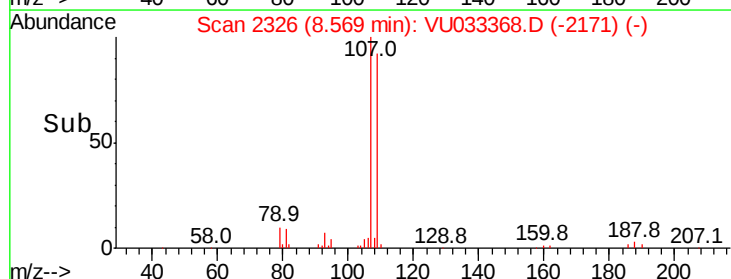
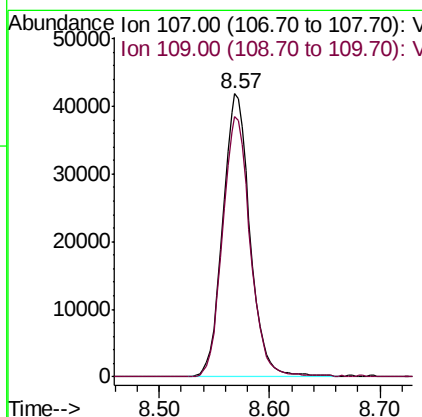
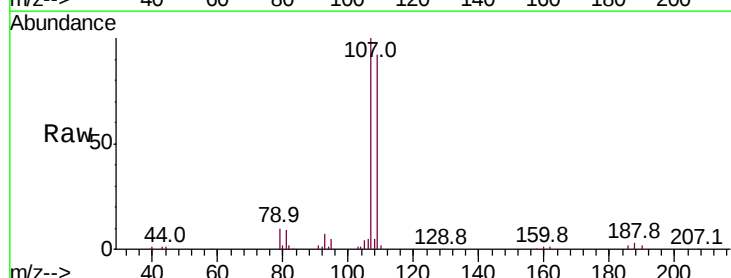
Manual Integrations
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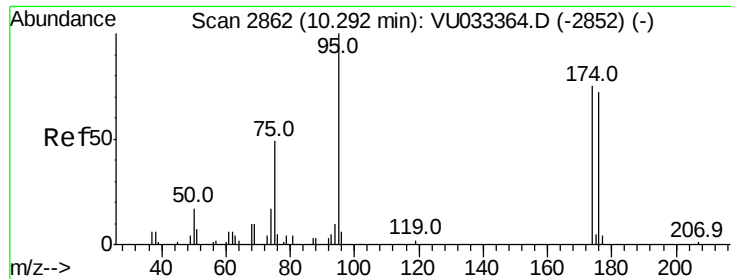
MMDadoda
7/25/2019 11:05:53 AM



#56
1,2-Dibromoethane
Concen: 9.647 ug/l
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion:107 Resp: 71782
Ion Ratio Lower Upper
107 100
109 93.0 0.0 184.8





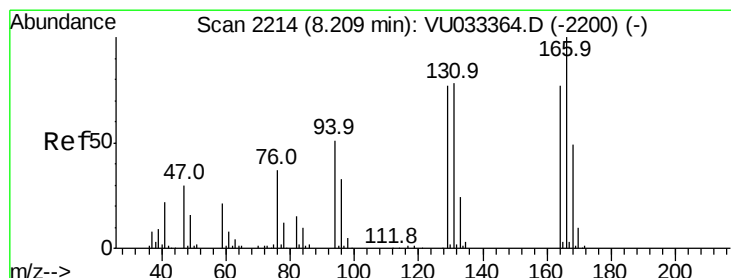
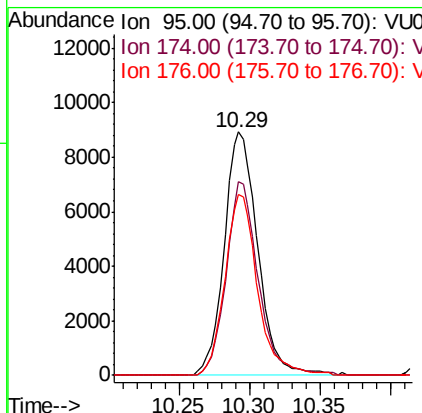
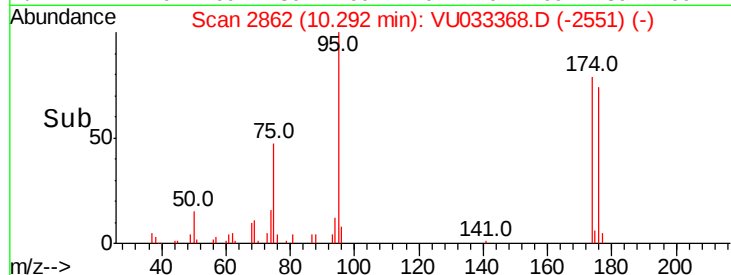
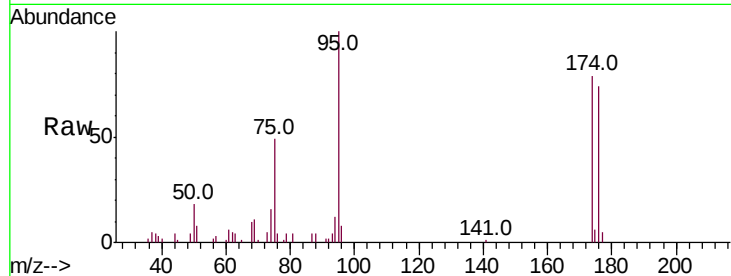
#57
4-Bromofluorobenzene
Concen: 1.154 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.8	58.8	88.2
176	72.5	54.4	81.6

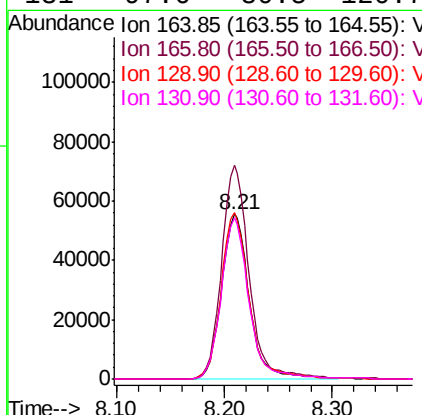
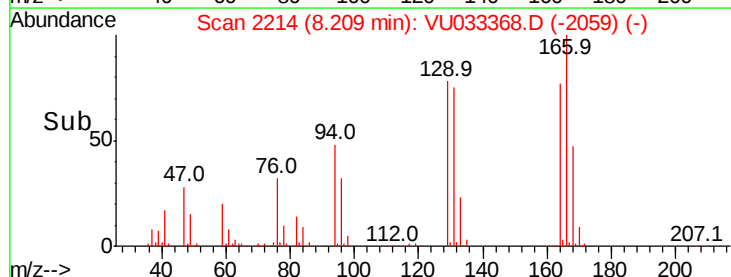
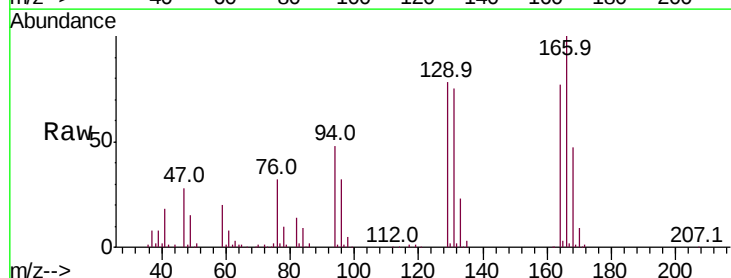
Manual Integrations
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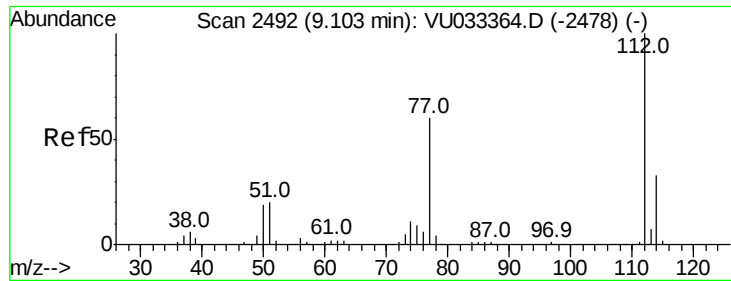
MMDadoda
7/25/2019 11:05:53 AM



#58
Tetrachloroethene
Concen: 10.646 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.8	155.6
129	100.9	79.7	119.5
131	97.6	80.5	120.7





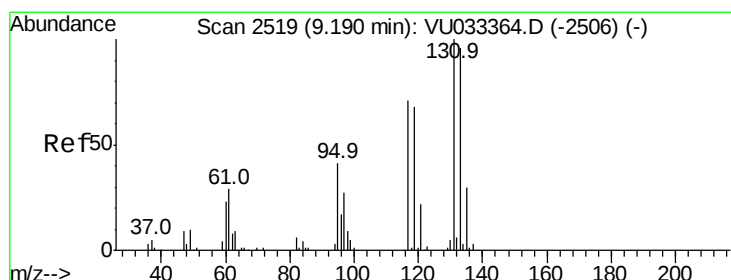
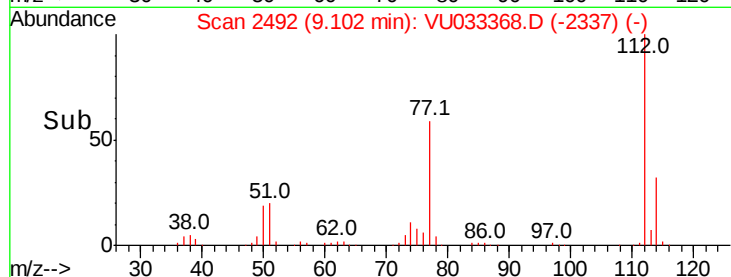
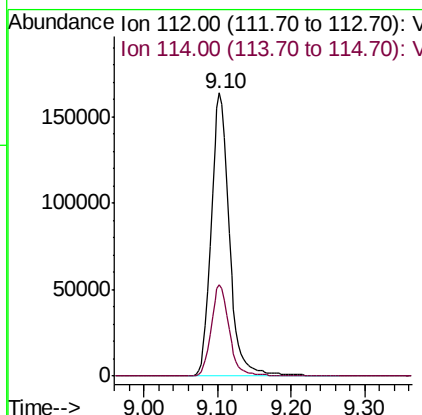
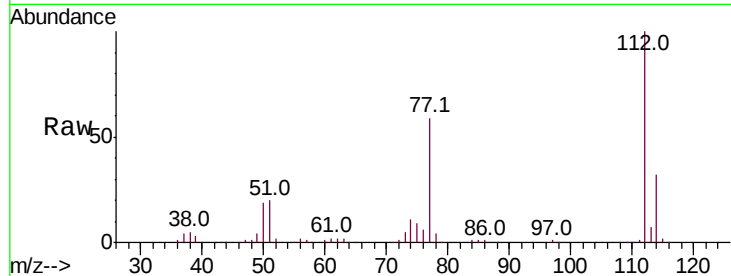
#59
Chlorobenzene
Concen: 10.917 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 280372
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

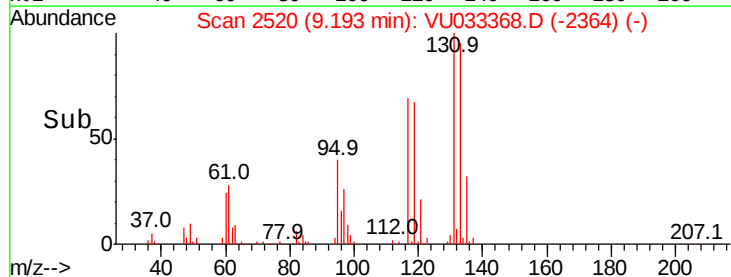
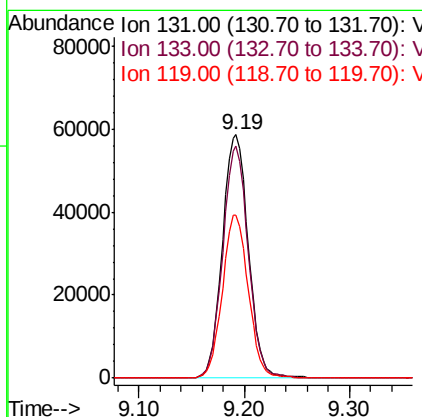
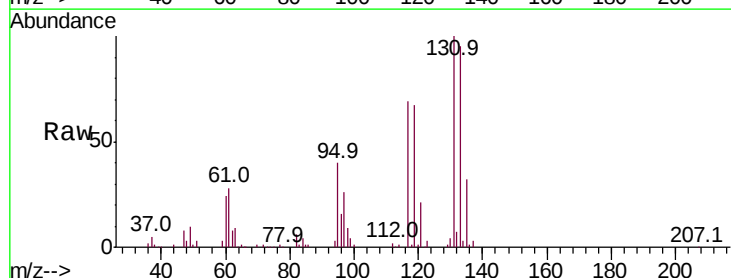
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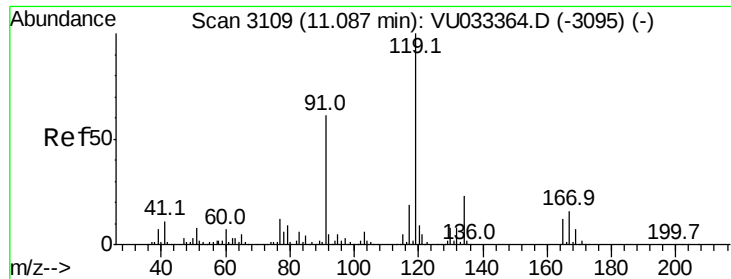
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.271 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion:131 Resp: 100172
Ion Ratio Lower Upper
131 100
133 93.8 76.2 114.4
119 66.4 54.9 82.3





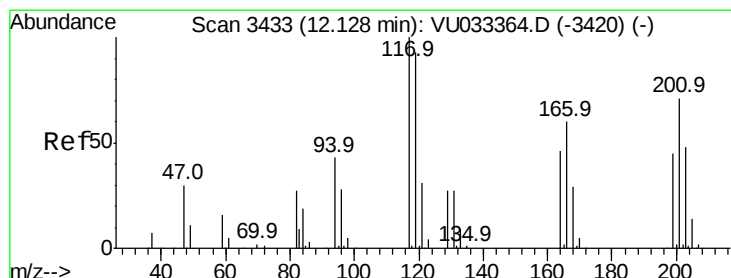
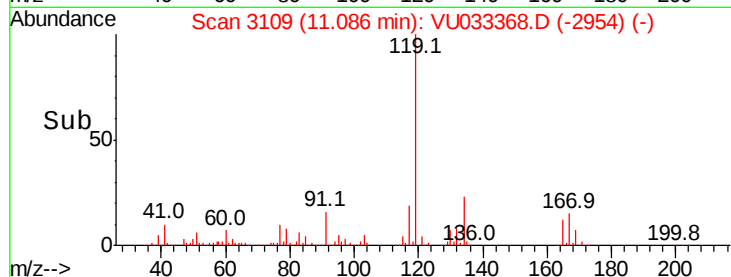
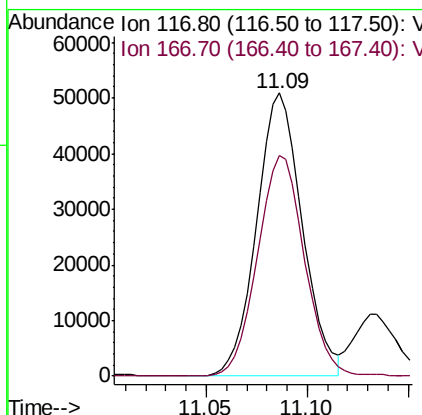
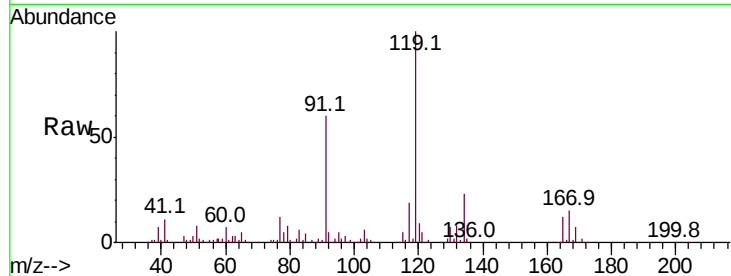
#61
 Pentachloroethane
 Concen: 10.043 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
167	79.9	63.4	95.0

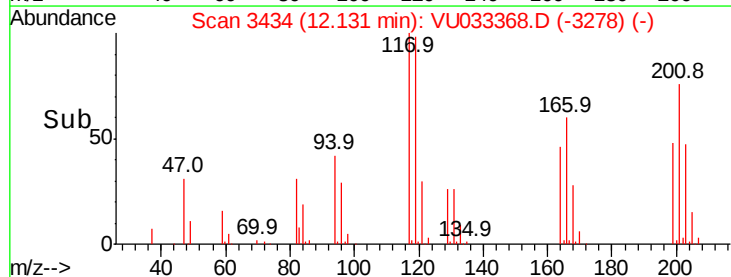
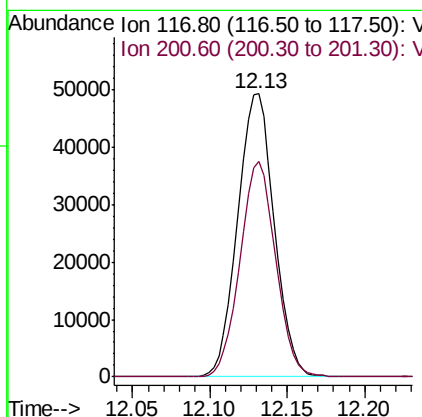
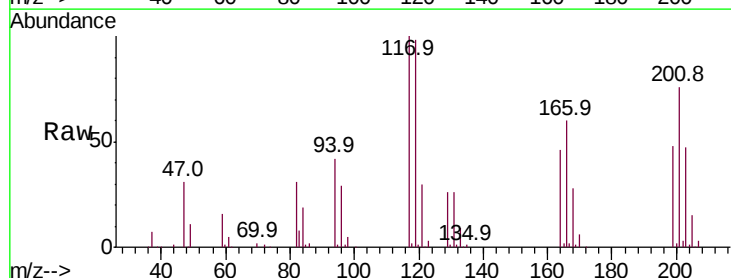
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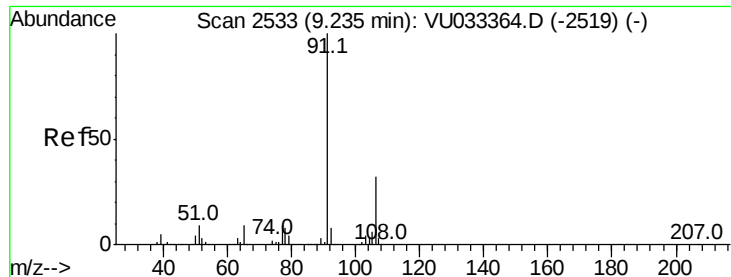
MMDadoda
 7/25/2019 11:05:53 AM



#62
 Hexachloroethane
 Concen: 10.492 ug/l
 RT: 12.13 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	57.9	86.9





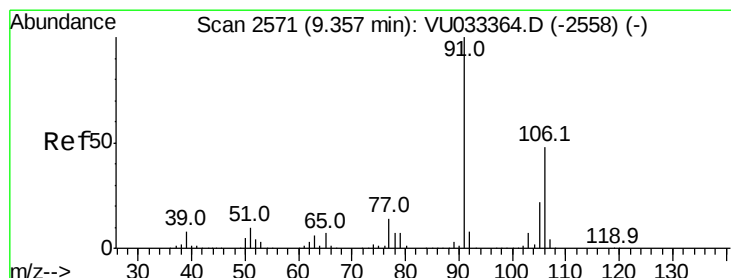
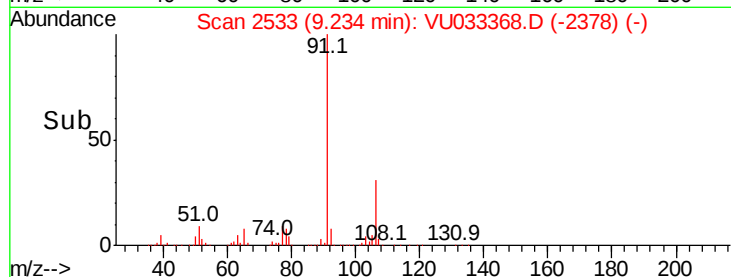
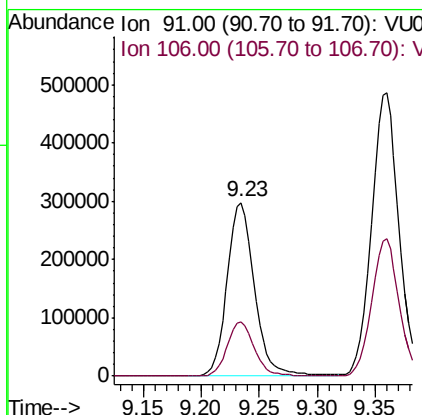
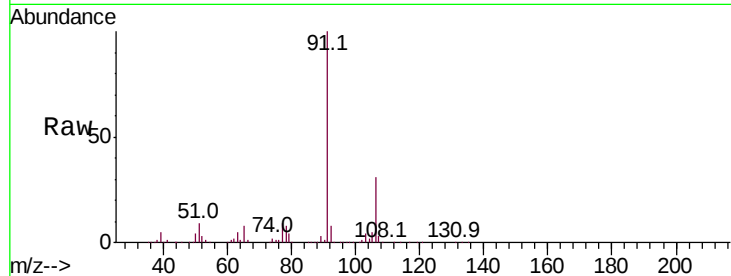
#63
Ethyl Benzene
Concen: 11.824 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC010

Tot Ion: 91 Resp: 487612
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

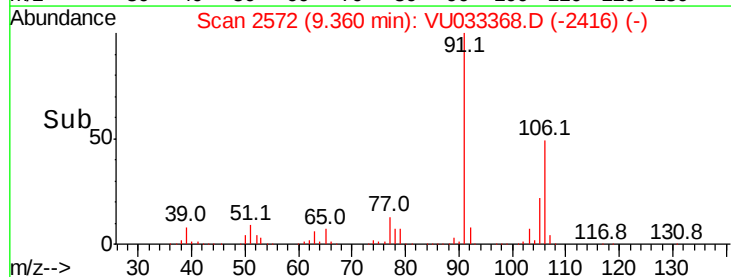
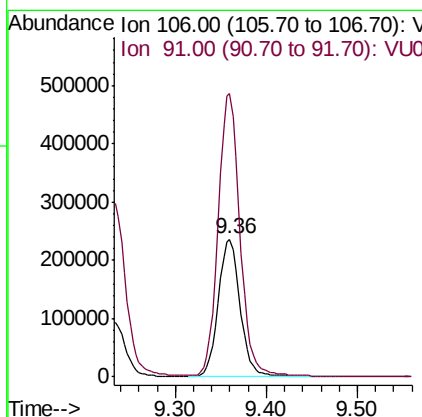
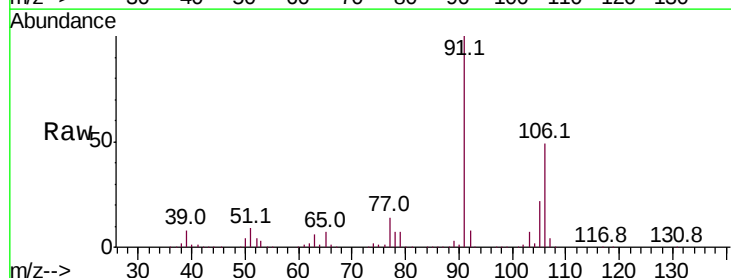
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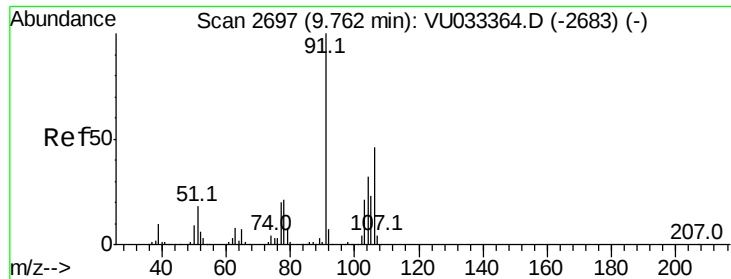
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#64
m/p-Xylenes
Concen: 23.870 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion: 106 Resp: 393583
Ion Ratio Lower Upper
106 100
91 204.8 167.1 250.7





#65

o-Xylene

Concen: 11.663 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion:106 Resp: 184273

Ion Ratio Lower Upper

106 100

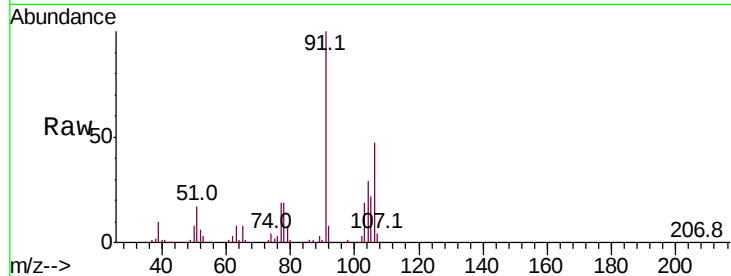
91 214.2 108.5 325.3

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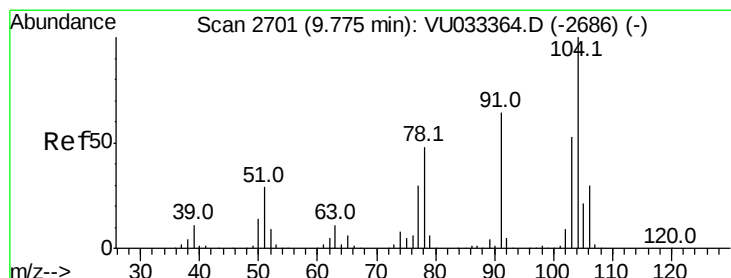
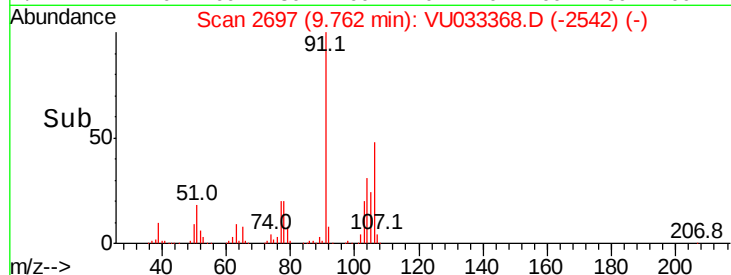
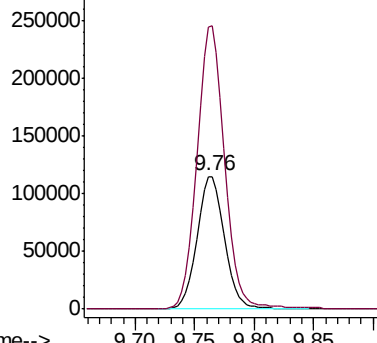
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.876 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

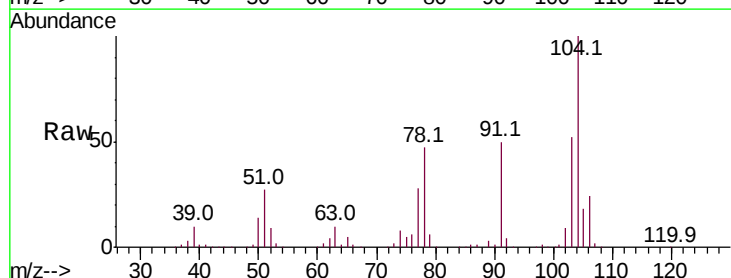
Tgt Ion:104 Resp: 318315

Ion Ratio Lower Upper

104 100

78 51.9 41.2 61.8

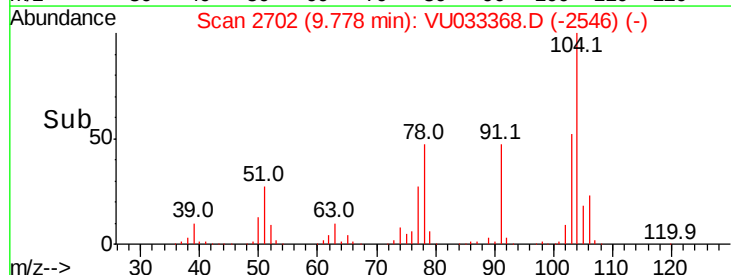
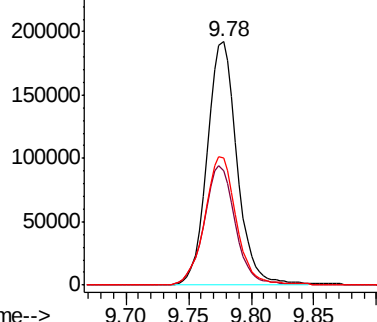
103 56.1 44.7 67.1

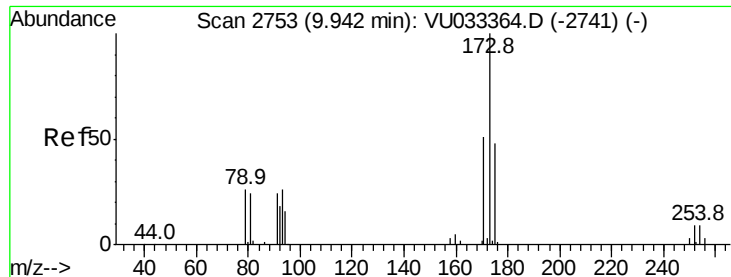


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





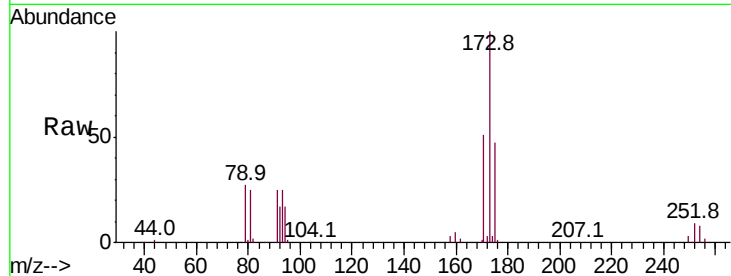
#67
Bromoform
Concen: 10.508 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.6	58.0
254	8.6	6.8	10.2

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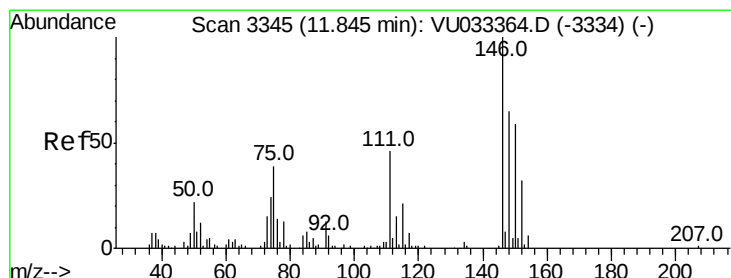
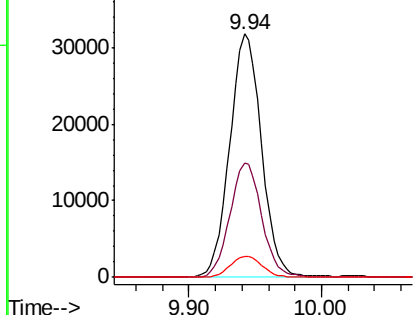
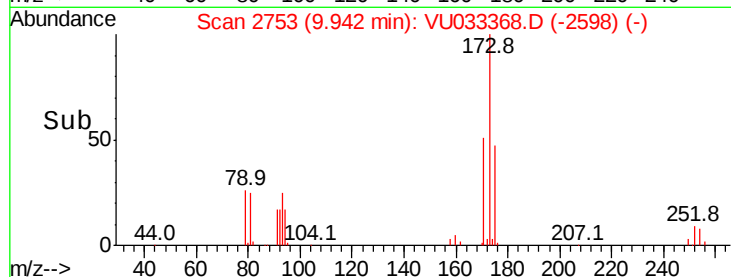


Abundance

Ion 172.90 (172.60 to 173.60): V

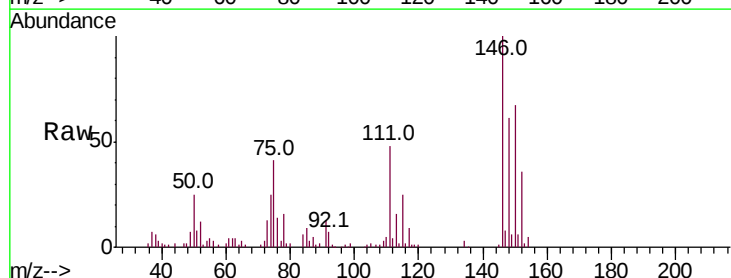
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 1.012 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	0.0	123.2
150	326.9	0.0	648.4

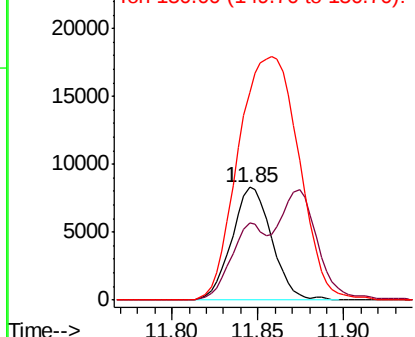
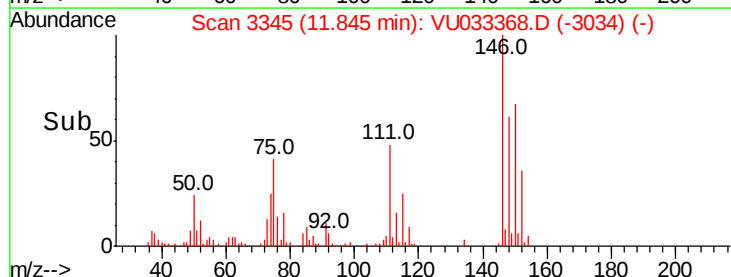


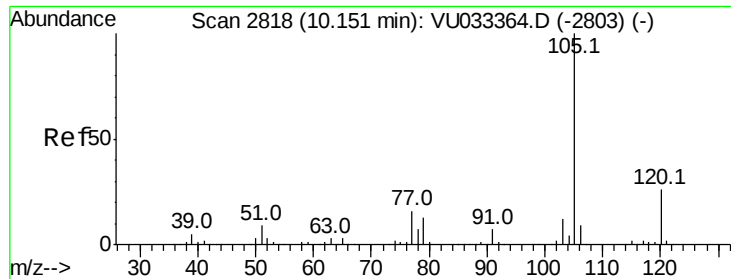
Abundance

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





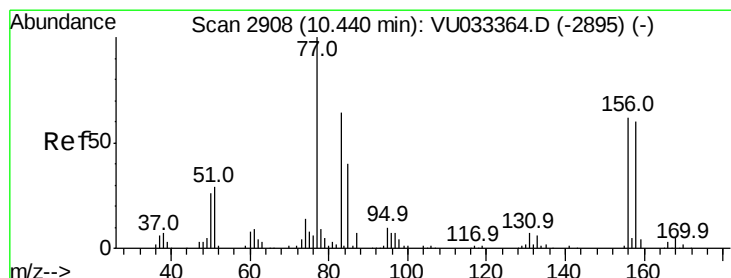
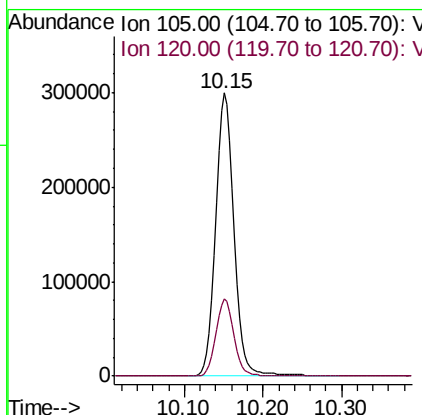
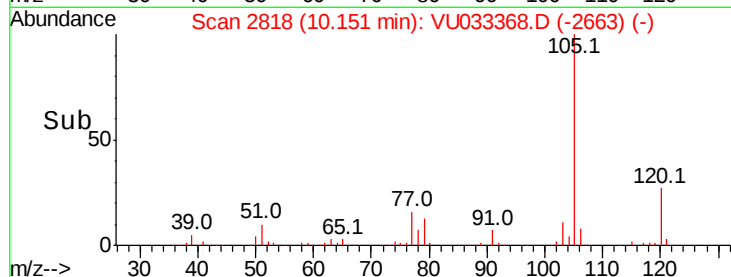
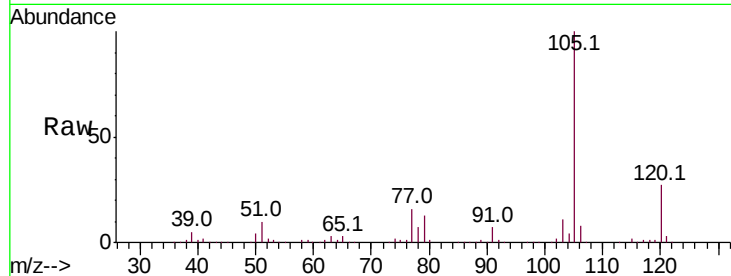
#69
Isopropylbenzene
Concen: 11.843 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:105 Resp: 479799
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1

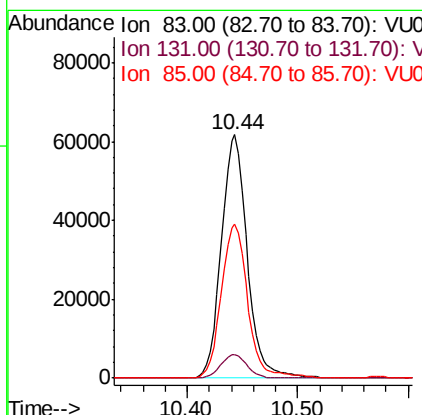
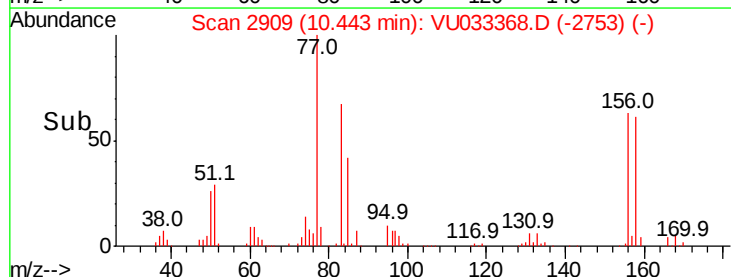
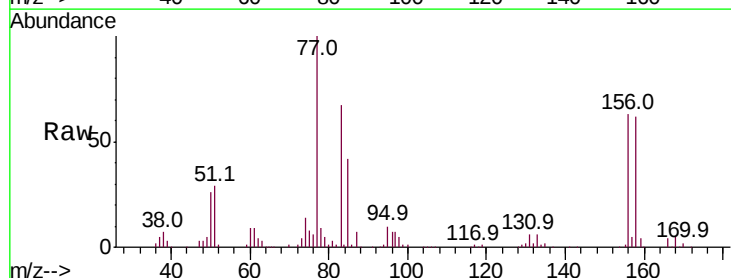
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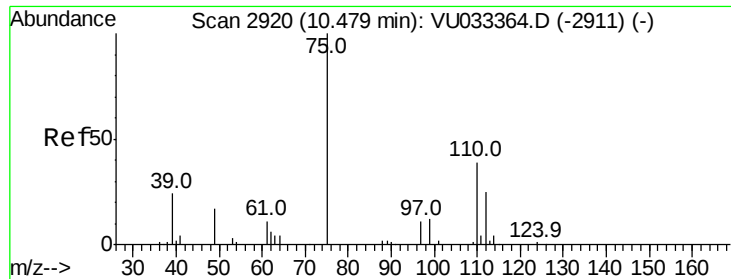
MMDadoda
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#70
1,1,2,2-Tetrachloroethane
Concen: 9.505 ug/l
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion: 83 Resp: 100563
Ion Ratio Lower Upper
83 100
131 9.6 8.0 12.0
85 64.8 51.8 77.8





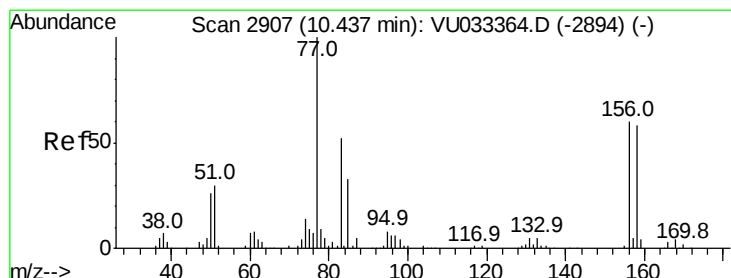
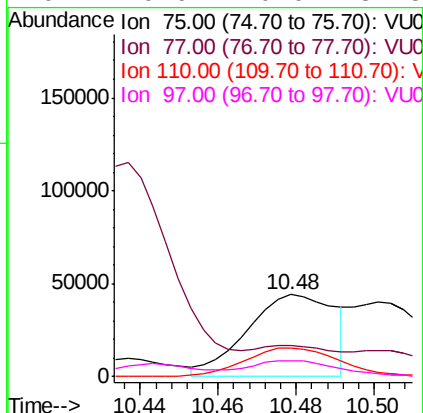
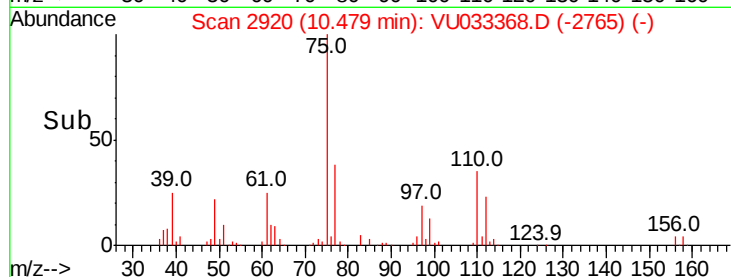
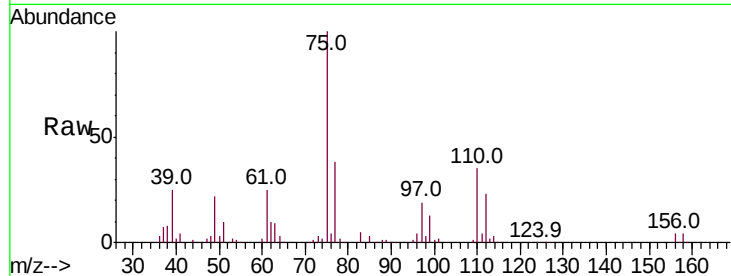
#71
1,2,3-Trichloropropane
Concen: 8.454 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	75	Resp:	69055
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	18.2
110	37.6	0.0	71.4
97	19.9	0.0	37.8

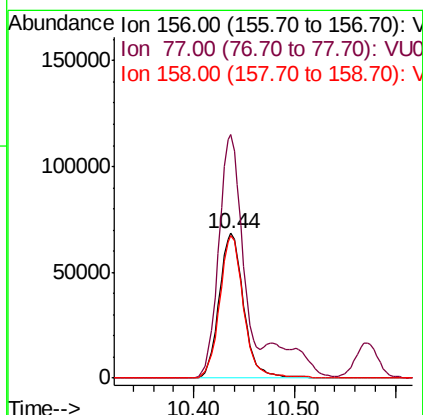
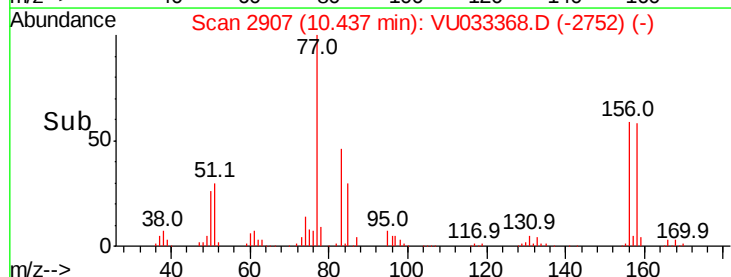
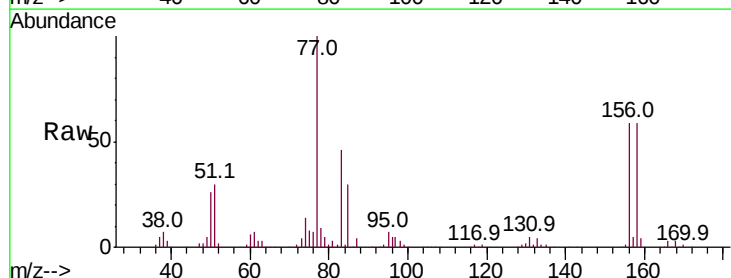
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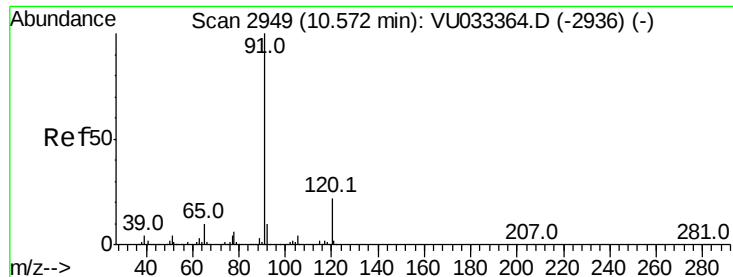
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#72
Bromobenzene
Concen: 10.909 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion:	156	Resp:	116751
Ion Ratio	Lower	Upper	
156	100		
77	162.2	0.0	324.4
158	96.1	0.0	192.4





#73

n-propylbenzene

Concen: 12.234 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 141284

Ion Ratio Lower Upper

120 100

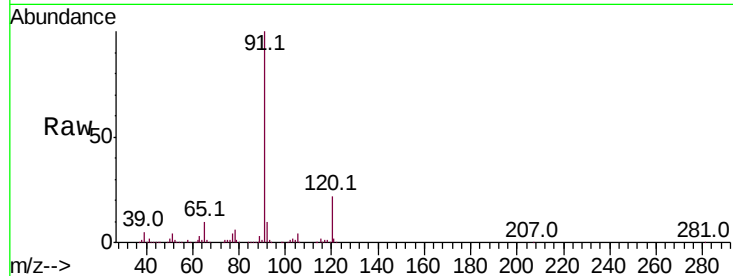
91 441.3 355.1 532.7

Manual Integrations

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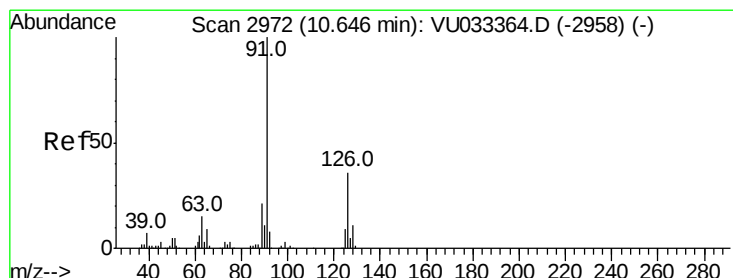
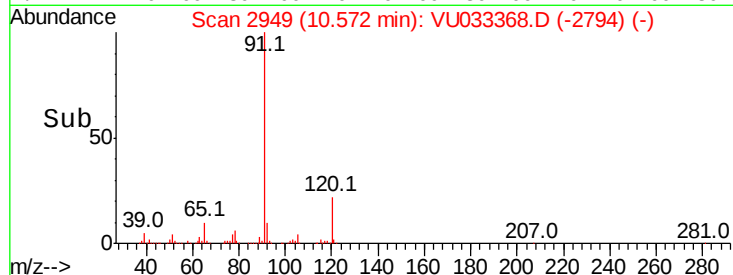
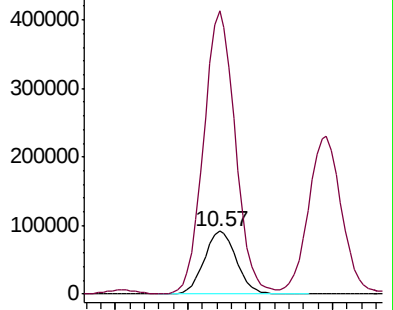
MMDadoda

7/25/2019 11:05:53 AM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.619 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. -0.00 min

Lab File: VU033368.D

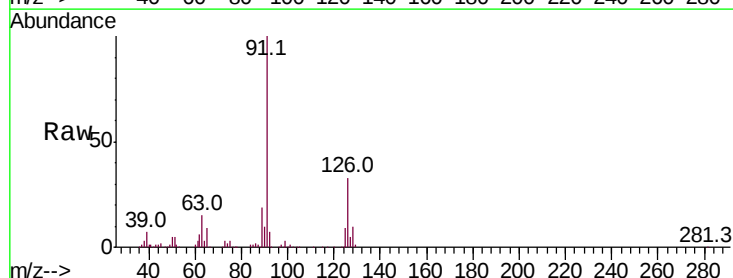
Acq: 23 Jul 2019 08:54

Tgt Ion:126 Resp: 122496

Ion Ratio Lower Upper

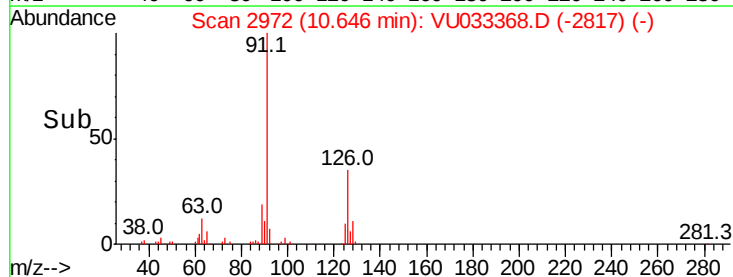
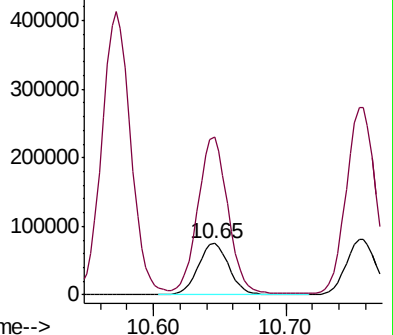
126 100

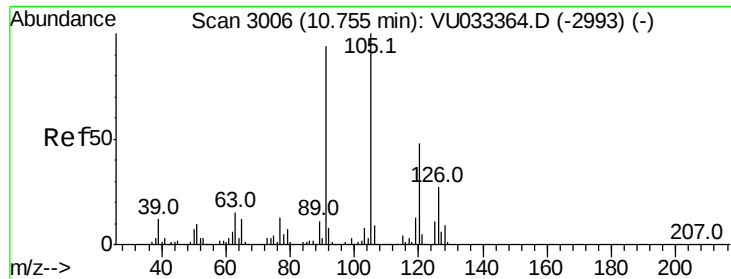
91 301.4 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 12.089 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 439718

Ion Ratio Lower Upper

105 100

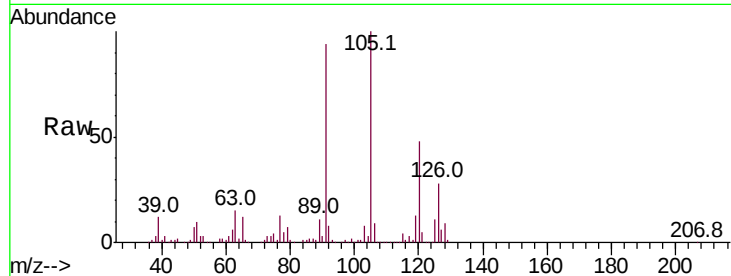
120 47.8 38.2 57.4

Manual Integrations

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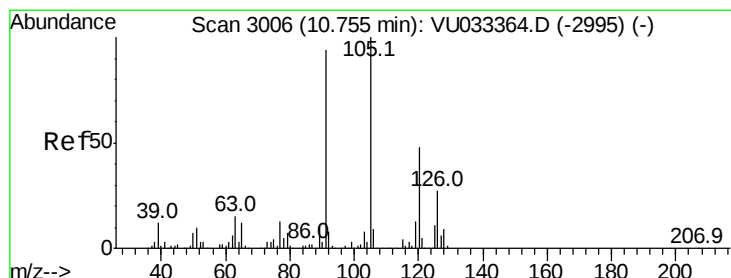
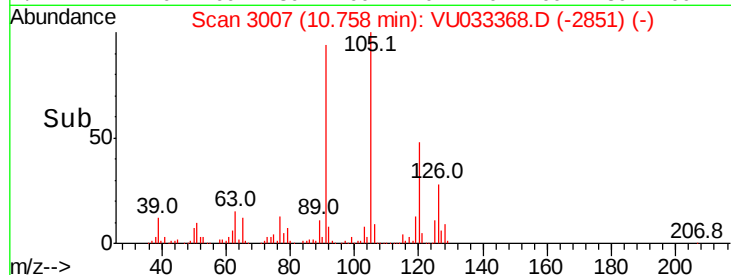
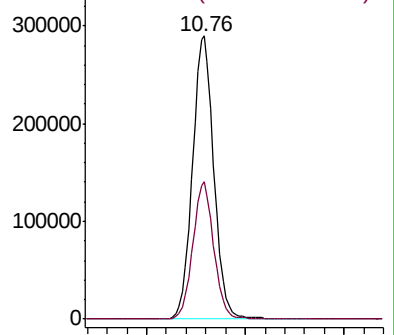
MMDadoda

7/25/2019 11:05:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.821 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033368.D

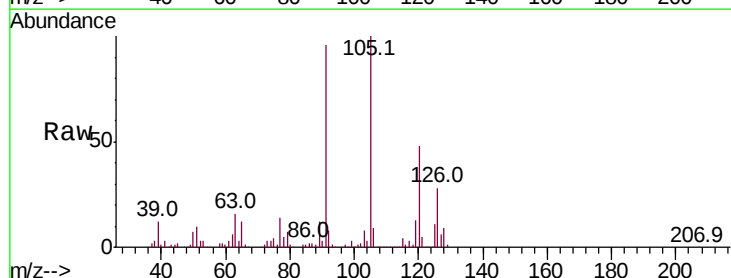
Acq: 23 Jul 2019 08:54

Tgt Ion:126 Resp: 129851

Ion Ratio Lower Upper

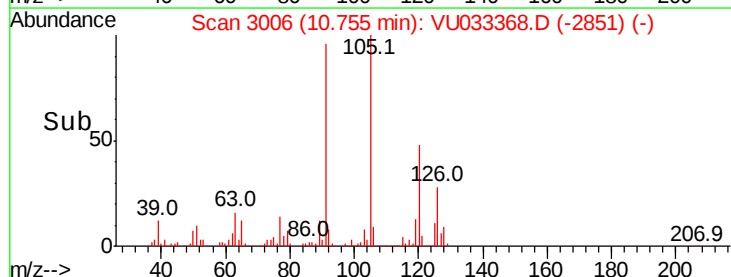
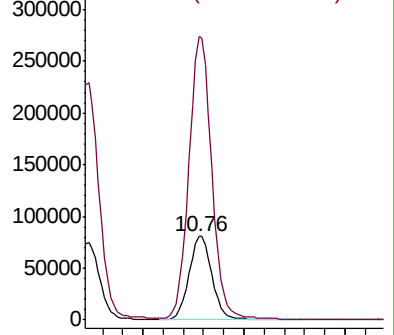
126 100

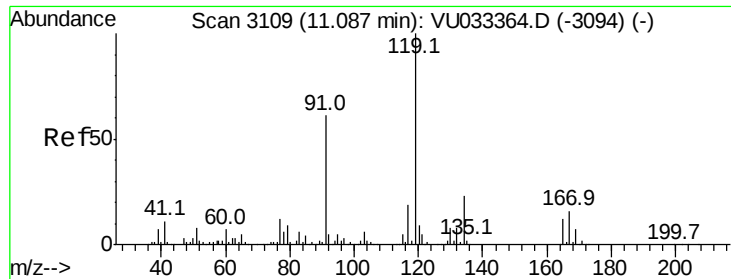
91 334.6 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





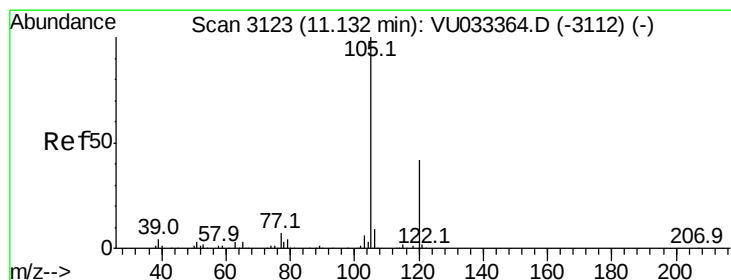
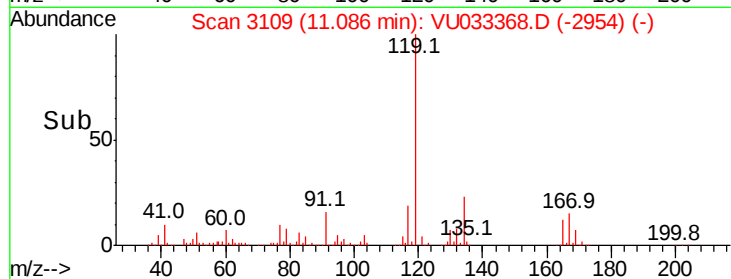
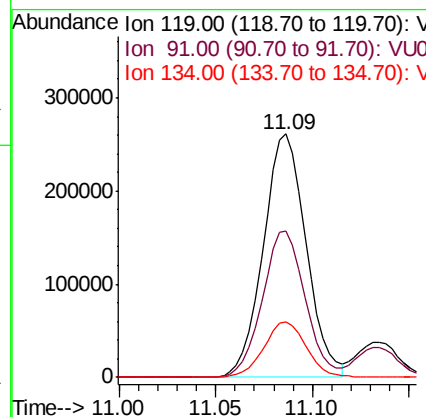
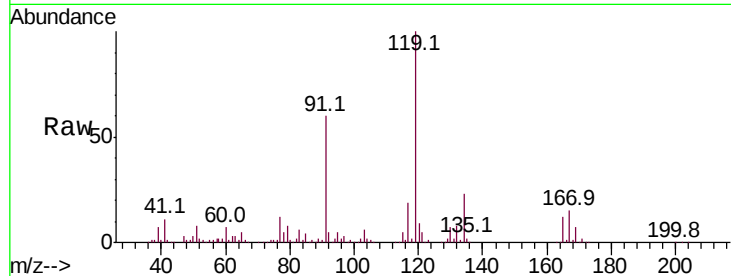
#77
tert-Butylbenzene
Concen: 11.671 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.4	91.3
134	22.8	18.5	27.7

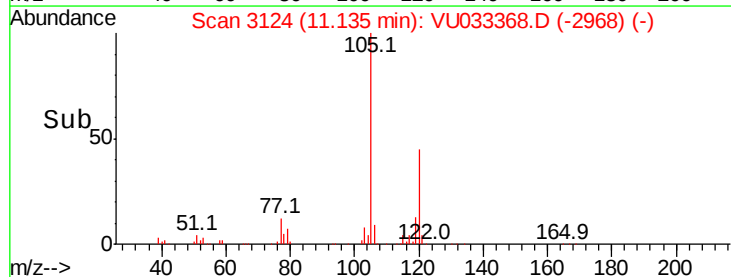
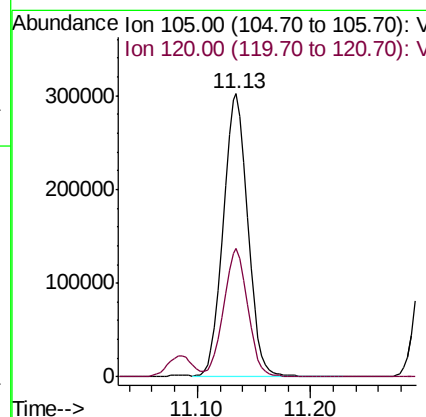
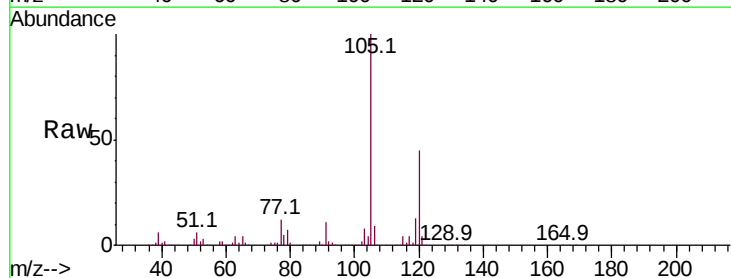
Manual Integrations
APPROVED

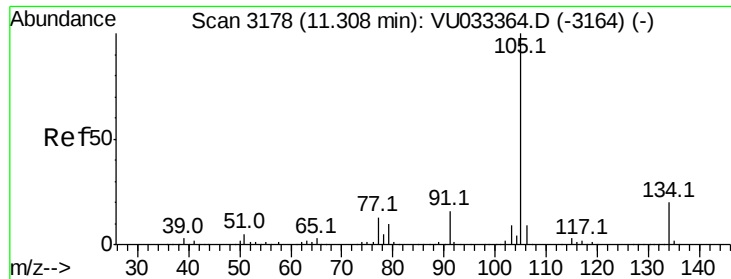
MMDadoda
7/25/2019 11:05:53 AM



#78
1,2,4-Trimethylbenzene
Concen: 12.275 ug/l
RT: 11.13 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.5	67.5





#79

sec-Butylbenzene

Concen: 11.876 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 563481

Ion Ratio Lower Upper

105 100

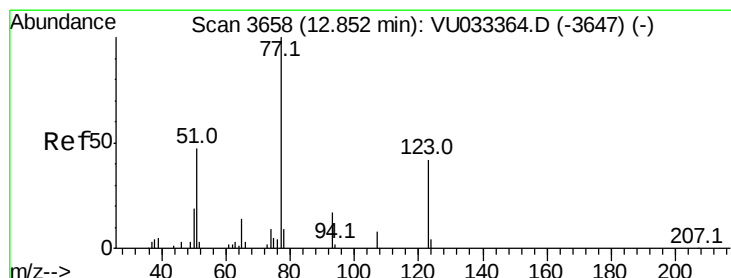
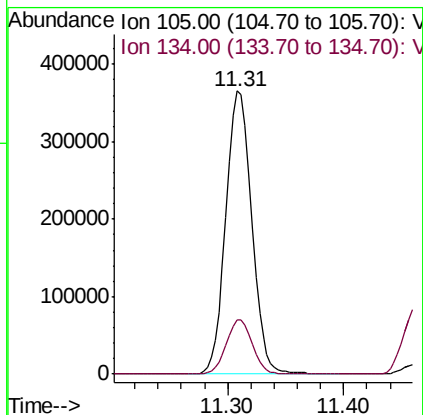
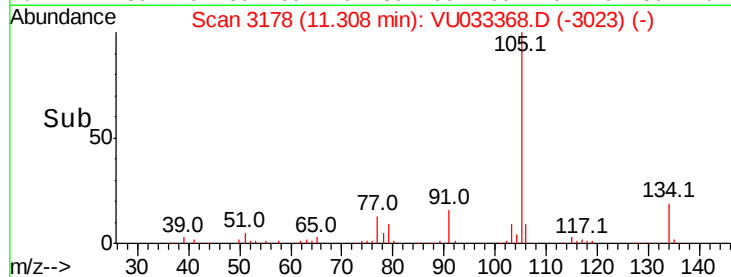
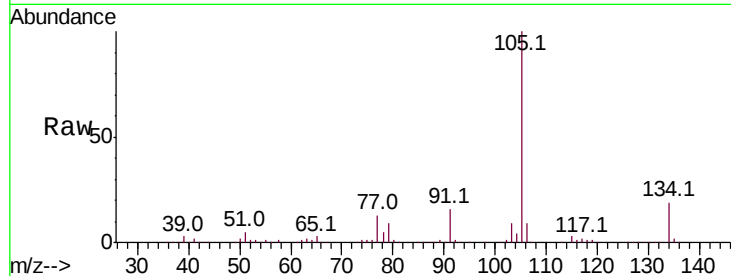
134 19.3 15.5 23.3

Manual Integrations

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#80

Nitrobenzene

Concen: 35.628 ug/l

RT: 12.85 min Scan# 3658

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

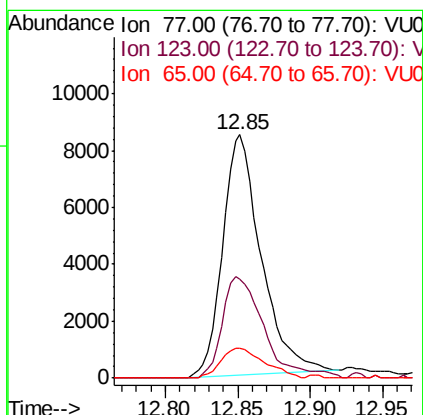
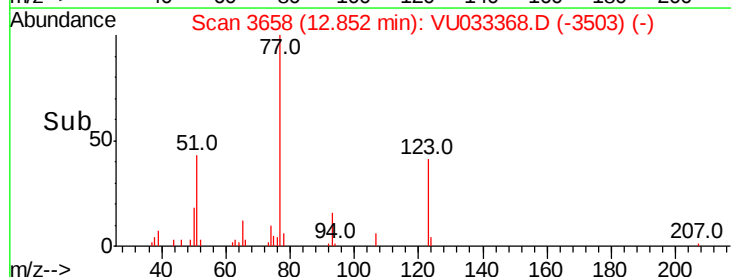
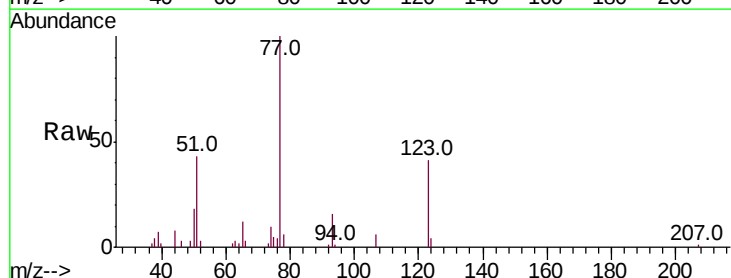
Tgt Ion: 77 Resp: 15668

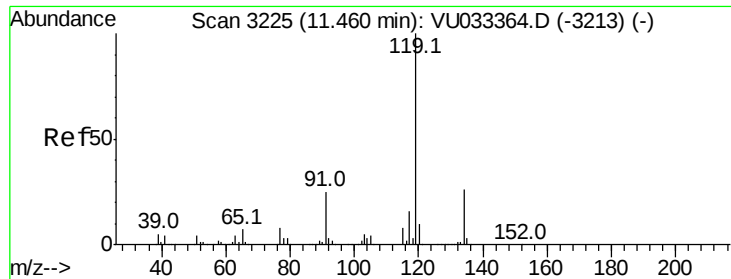
Ion Ratio Lower Upper

77 100

123 40.7 19.3 68.3

65 14.0 10.1 12.9#





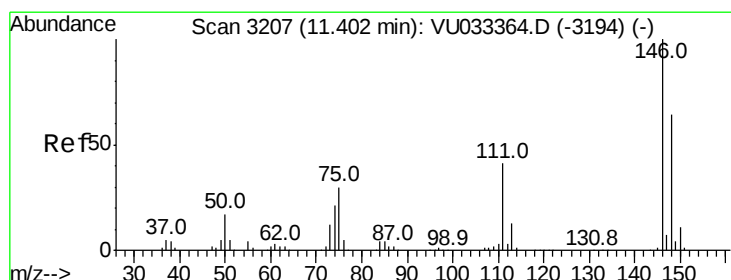
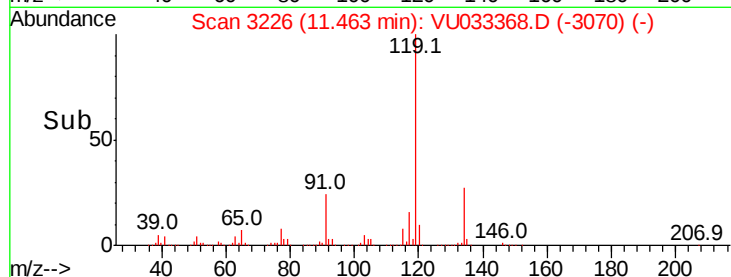
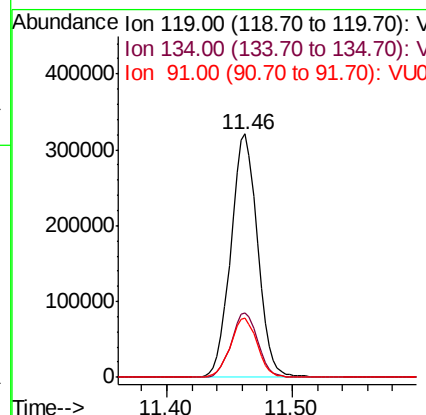
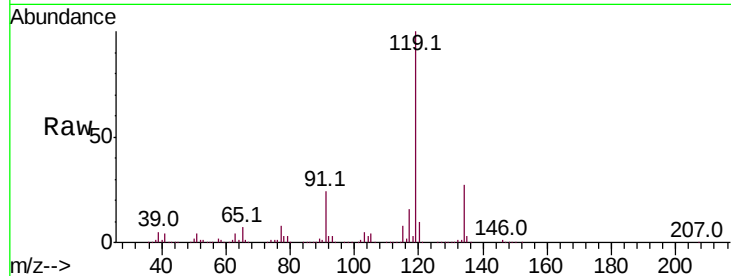
#81
p-Isopropyltoluene
Concen: 12.273 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.0	31.4
91	24.7	19.8	29.6

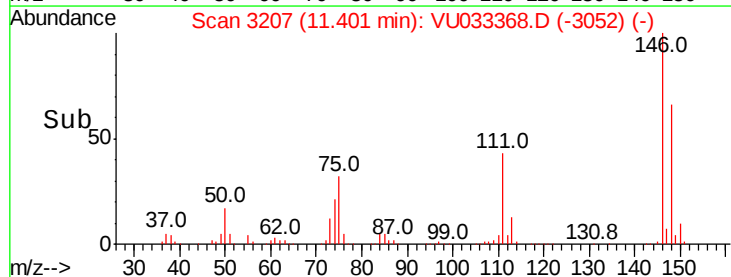
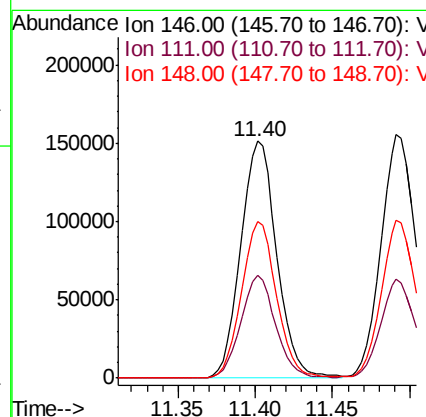
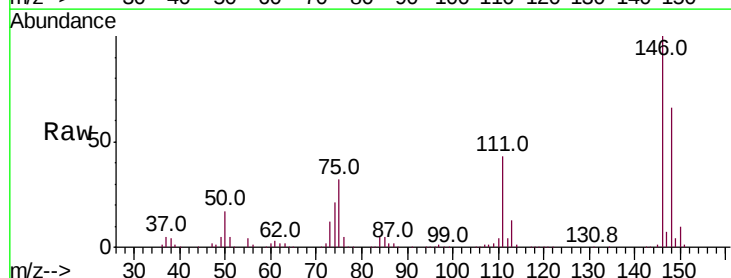
Manual Integrations
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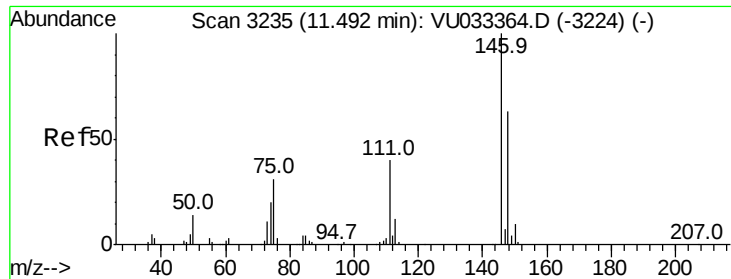
MMDadoda
7/25/2019 11:05:53 AM



#82
1,3-Dichlorobenzene
Concen: 10.742 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	33.3	49.9
148	64.6	50.8	76.2





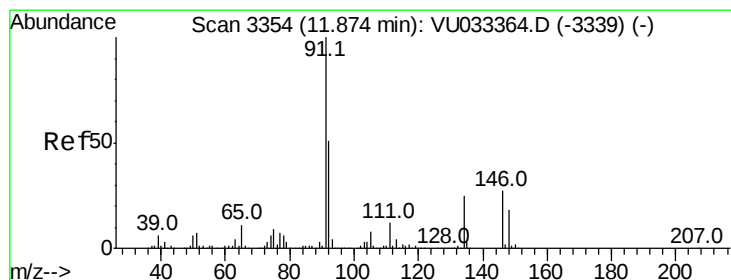
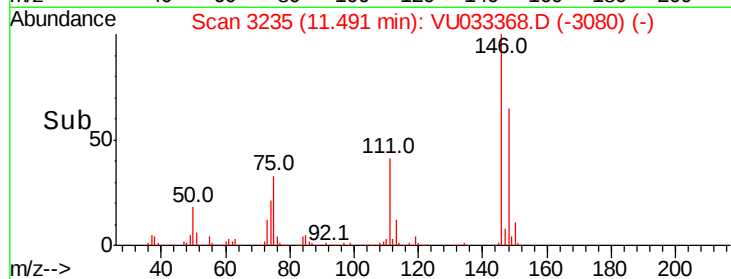
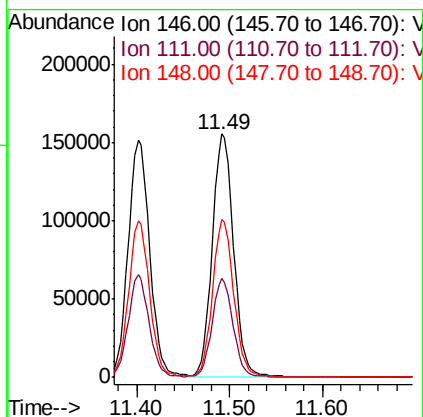
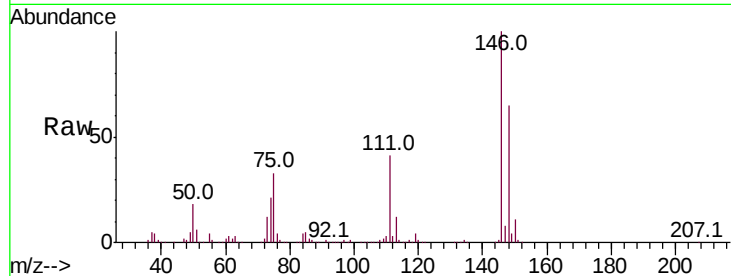
#83
1,4-Dichlorobenzene
Concen: 11.107 ug/l
RT: 11.49 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.2	48.4
148	63.8	51.0	76.4

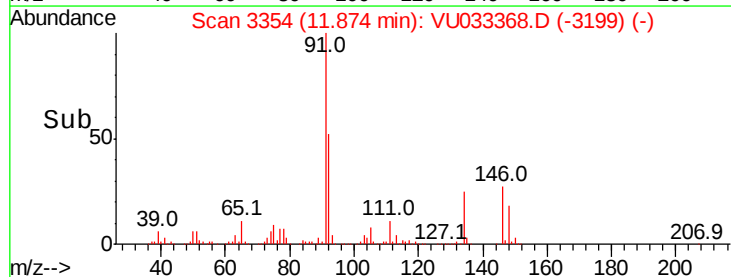
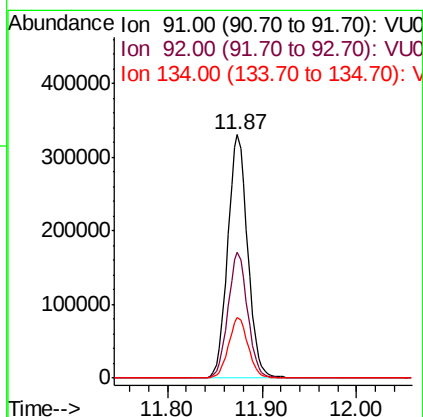
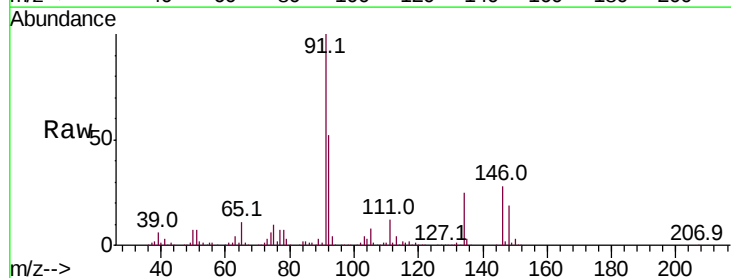
Manual Integrations
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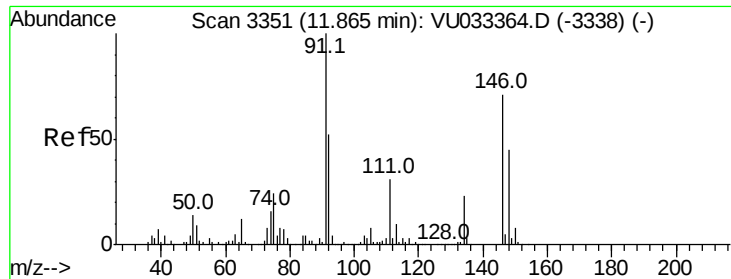
MMDadoda
7/25/2019 11:05:53 AM



#84
n-Butylbenzene
Concen: 12.269 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	41.0	61.6
134	24.5	19.5	29.3





#85

1,2-Dichlorobenzene

Concen: 10.572 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 225483

Ion Ratio Lower Upper

146 100

111 42.8 21.7 65.1

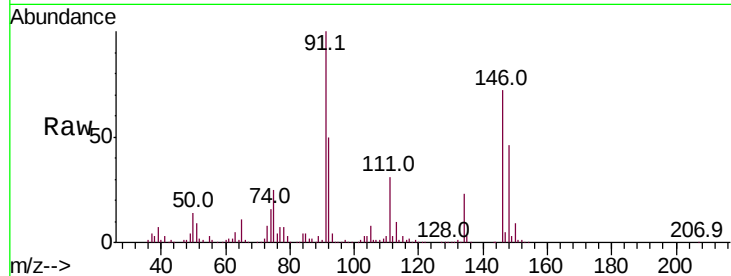
148 64.0 32.0 96.0

Manual Integrations

APPROVED

MMDadoda

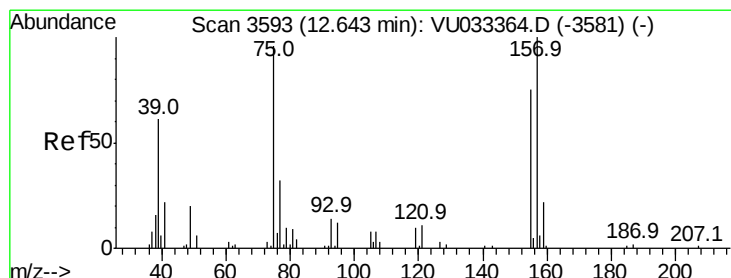
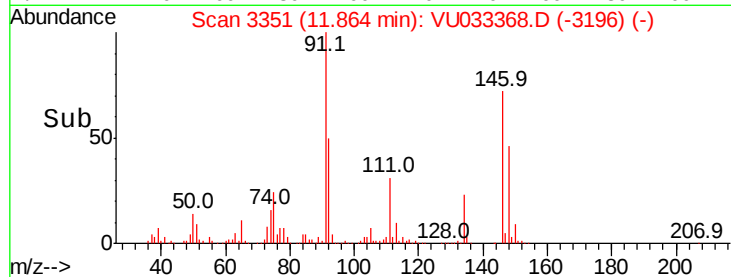
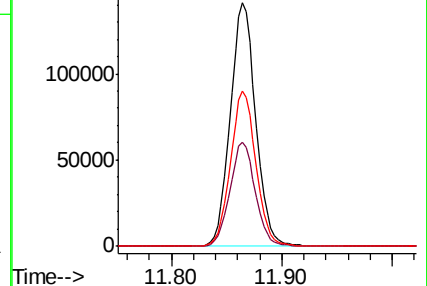
7/25/2019 11:05:53 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 9.823 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033368.D

Acq: 23 Jul 2019 08:54

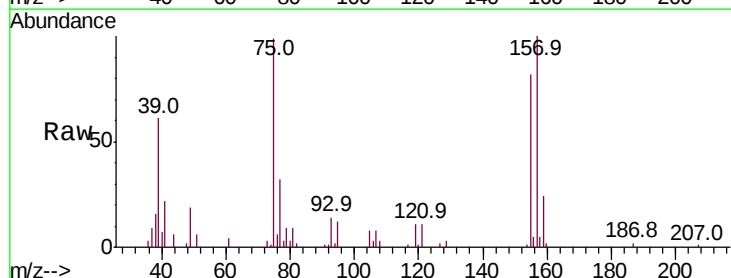
Tgt Ion: 75 Resp: 16348

Ion Ratio Lower Upper

75 100

155 79.1 63.3 94.9

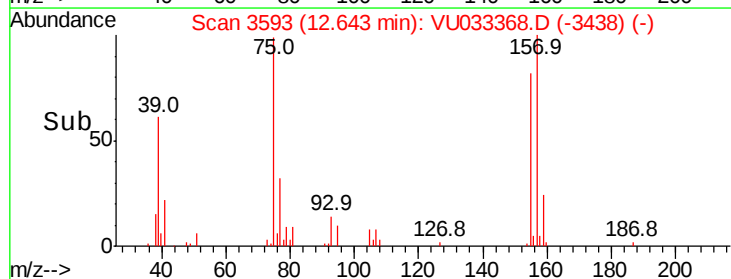
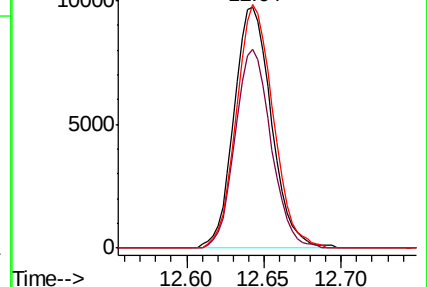
157 99.1 82.5 123.7

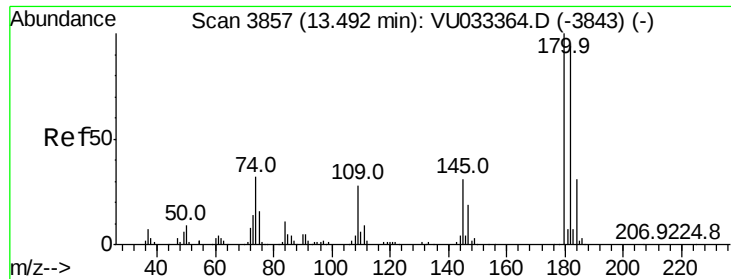


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





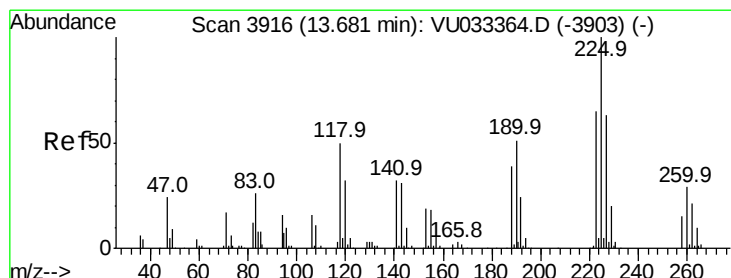
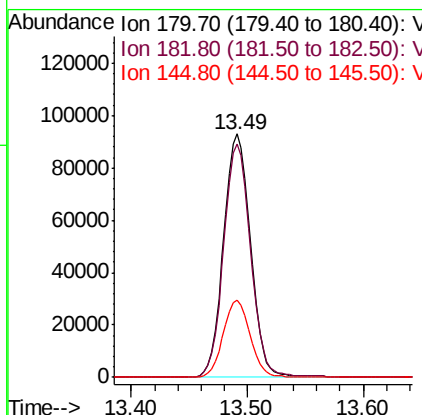
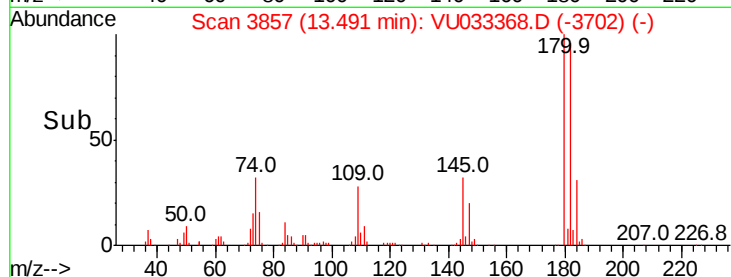
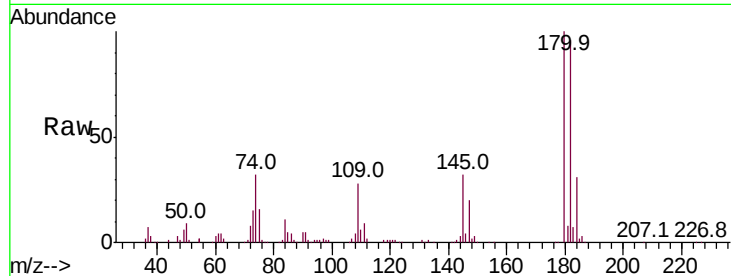
#87
 1,2,4-Trichlorobenzene
 Concen: 11.799 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	31.6	25.0	37.4

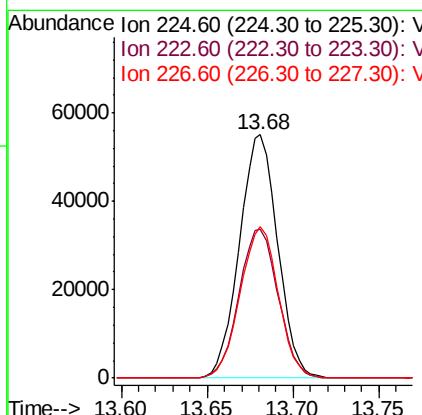
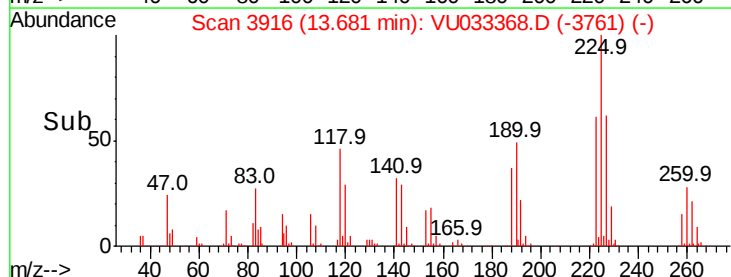
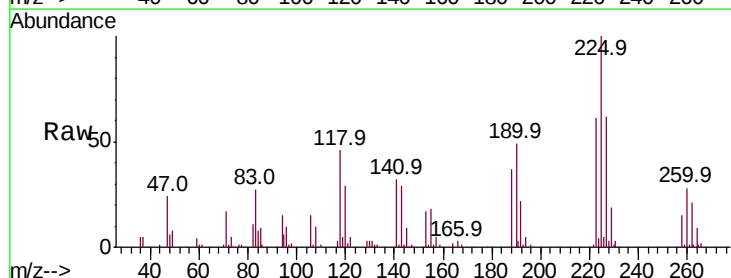
Manual Integrations
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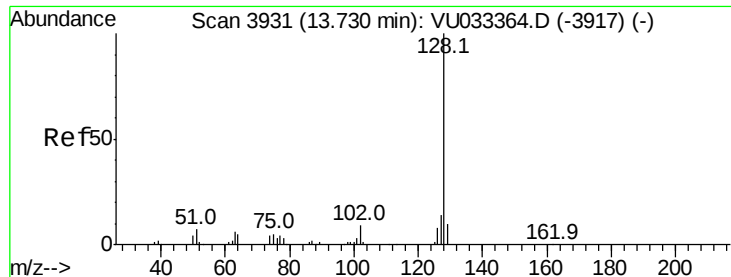
MMDadoda
 7/25/2019 11:05:53 AM



#88
 Hexachlorobutadiene
 Concen: 10.894 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033368.D
 Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	52.2	78.4
227	62.1	51.7	77.5





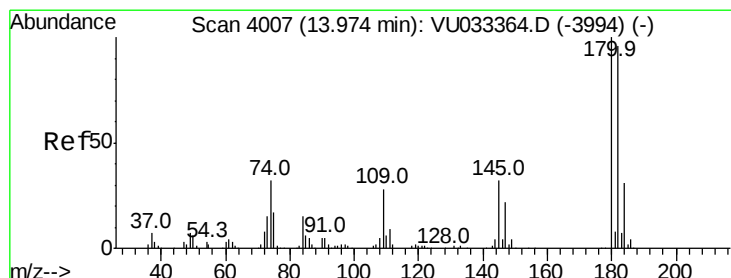
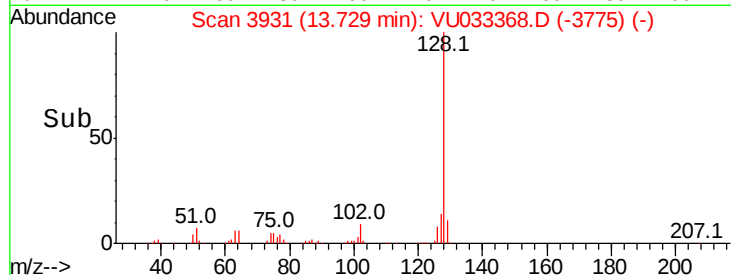
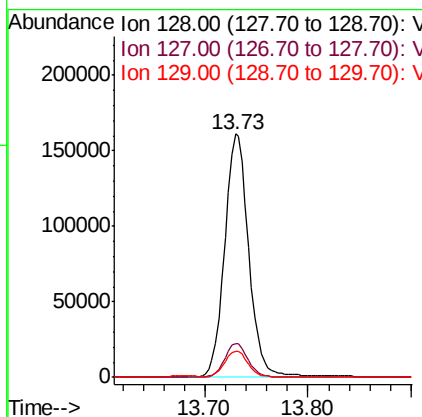
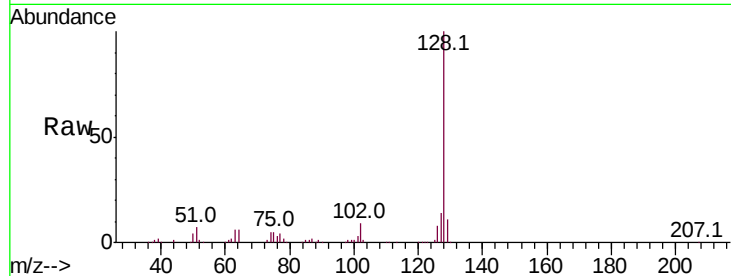
#89
Naphthalene
Concen: 9.184 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.5	8.5	12.7

Manual Integrations
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7/25/2019 11:05:53 AM



#90
1,2,3-Trichlorobenzene
Concen: 11.350 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033368.D
Acq: 23 Jul 2019 08:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.9	116.9
145	32.8	25.8	38.8

