

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072419\
 Data File : VU033386.D
 Acq On : 24 Jul 2019 11:01
 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 12:13:03 PM

Quant Time: Jul 25 07:52:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	31404	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	15770	1.28	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13287	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	133040	10.243	ug/l	97
3) Chloromethane	1.33	50	127221	8.875	ug/l	99
4) Vinyl Chloride	1.40	62	148312	9.272	ug/l	99
5) Bromomethane	1.62	94	93048	9.240	ug/l	98
6) Chloroethane	1.69	64	94624	8.423	ug/l	97
7) Trichlorofluoromethane	1.88	101	214591	9.770	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	111114	9.807	ug/l	98
9) 1,1-Dichloroethene	2.27	96	106591	9.552	ug/l	97
10) Iodomethane	2.40	142	116107	7.742	ug/l	99
11) Allyl Chloride	2.58	41	167052	9.072	ug/l	99
12) Acrylonitrile	2.92	53	49401	15.859	ug/l	99
13) Acetone	2.31	43	131213	49.373	ug/l	99
14) Carbon Disulfide	2.46	76	385805	9.099	ug/l	100
15) Methylene Chloride	2.68	84	126889	8.431	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	119578	9.024	ug/l	99
17) 1,1-Dichloroethane	3.42	63	224376	12.616	ug/l	100
18) 2-Butanone	4.25	43	132906	52.395	ug/l	100
19) Cyclohexane	4.97	56	140945m	10.799	ug/l	
20) Methylcyclohexane	6.40	83	149780	11.399	ug/l	99
21) 2,2-Dichloropropane	4.20	77	158166	10.496	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	100496	10.007	ug/l	97
23) Diethyl Ether	2.09	59	86015	8.942	ug/l	98
24) tert-Butyl Alcohol	2.81	59	92627	77.509	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	280817	8.740	ug/l	98
26) Bromochloromethane	4.52	128	43450	9.839	ug/l	98
27) Chloroform	4.65	83	185679	9.135	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	159648	10.145	ug/l	99
29) 1,1-Dichloropropene	5.11	75	136485	10.515	ug/l	99
30) Carbon Tetrachloride	5.11	117	140928	10.175	ug/l	97
31) Isopropyl Ether	3.56	45	228494	10.165	ug/l	100
32) Ethyl-t-butyl ether	4.05	59	220568	10.207	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	202116	10.400	ug/l	99
34) Propionitrile	4.31	54	34901	47.963	ug/l #	98
35) Benzene	5.36	78	391106	10.429	ug/l	100
36) 1,2-Dichloroethane	5.38	62	123241	9.875	ug/l	100
37) Trichloroethene	6.16	130	101048	10.209	ug/l	97
38) 1,2-Dichloropropane	6.41	63	106030	10.248	ug/l	100
39) Methacrylonitrile	4.52	41	27128	9.392	ug/l	97
40) Methyl acrylate	4.40	55	44465	9.895	ug/l	98
41) Tetrahydrofuran	4.62	42	27731	19.146	ug/l	96
42) 1-Chlorobutane	5.04	56	182403	10.481	ug/l	99

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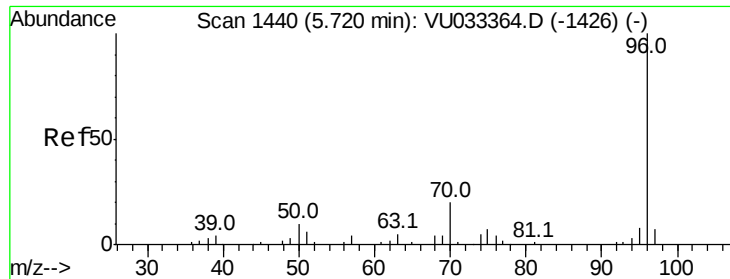
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	54499	9.514	ug/l	96
44) Bromodichloromethane	6.74	83	138323	10.015	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	294000	50.324	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	45292m	19.210	ug/l	
47) Methyl methacrylate	6.61	69	91527	20.963	ug/l	98
48) Ethyl methacrylate	8.00	69	82560	10.728	ug/l	97
49) Toluene	7.62	92	249230	11.601	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	123295	10.703	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	140980	10.365	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	75313	9.838	ug/l	98
53) 1,3-Dichloropropane	8.23	76	131033	10.129	ug/l	99
54) 2-Hexanone	8.35	43	219256	53.315	ug/l	100
55) Dibromochloromethane	8.46	129	92282	10.320	ug/l	97
56) 1,2-Dibromoethane	8.57	107	69739	9.773	ug/l	97
58) Tetrachloroethene	8.21	164	99131	11.044	ug/l	96
59) Chlorobenzene	9.10	112	273024	11.085	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	98203	10.500	ug/l	99
61) Pentachloroethane	11.09	117	82118	10.698	ug/l	100
62) Hexachloroethane	12.13	117	80919	10.895	ug/l	100
63) Ethyl Benzene	9.23	91	470962	11.908	ug/l	99
64) m/p-Xylenes	9.36	106	392688	24.834	ug/l	97
65) o-Xylene	9.77	106	180519	11.914	ug/l	98
66) Styrene	9.78	104	319981	12.449	ug/l	100
67) Bromoform	9.94	173	51388	10.618	ug/l	99
69) Isopropylbenzene	10.15	105	470511	12.110	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	99497	9.806	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	76279m	9.738	ug/l	
72) Bromobenzene	10.44	156	114695	11.175	ug/l	99
73) n-propylbenzene	10.57	120	140119	12.652	ug/l	99
74) 2-Chlorotoluene	10.65	126	123785	12.244	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	445778	12.779	ug/l	100
76) 4-Chlorotoluene	10.76	126	130606	12.398	ug/l	97
77) tert-Butylbenzene	11.09	119	397785	12.033	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	460083	12.904	ug/l	100
79) sec-Butylbenzene	11.31	105	563751	12.390	ug/l	99
80) Nitrobenzene	12.85	77	13695	32.474	ug/l #	94
81) p-Isopropyltoluene	11.46	119	474986	12.839	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	247360	11.339	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	250251	11.596	ug/l	99
84) n-Butylbenzene	11.87	91	481624	12.722	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	228083	11.152	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	16032	10.045	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	142350	11.697	ug/l	99
88) Hexachlorobutadiene	13.68	225	84988	11.323	ug/l	98
89) Naphthalene	13.73	128	244235	8.915	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	134801	11.413	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033386.D

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Instrument :

MSVOA_U

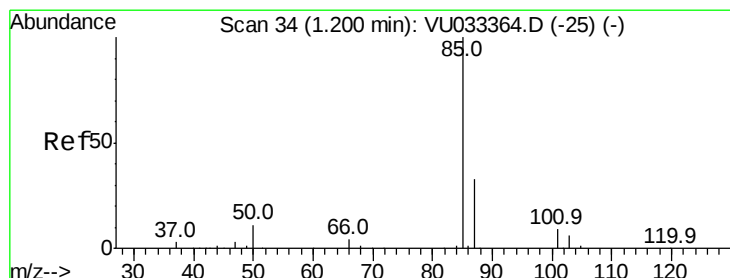
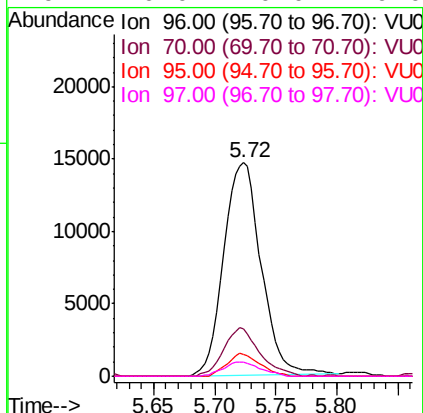
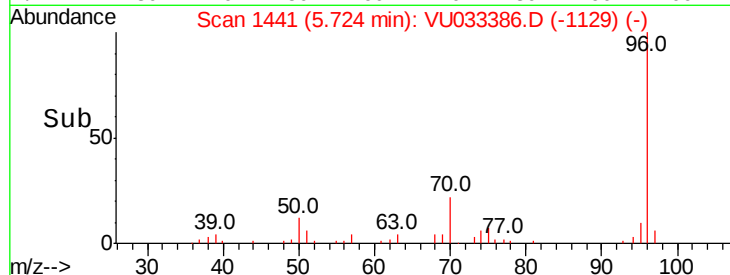
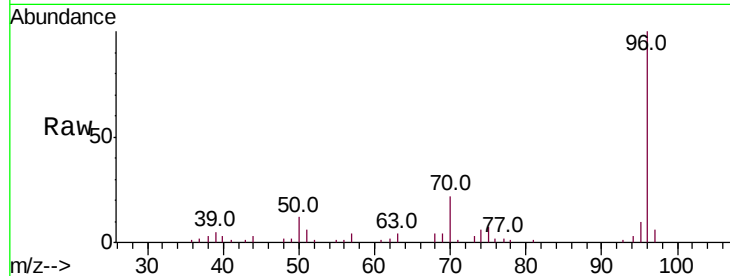
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	31404
Ion	Ratio	Lower	Upper
96	100		
70	21.8	16.4	24.6
95	9.4	6.7	10.1
97	0.0	0.0	0.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.243 ug/l

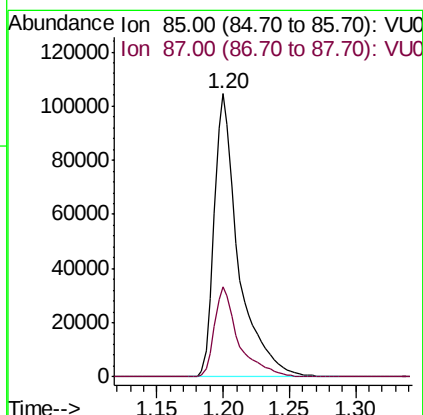
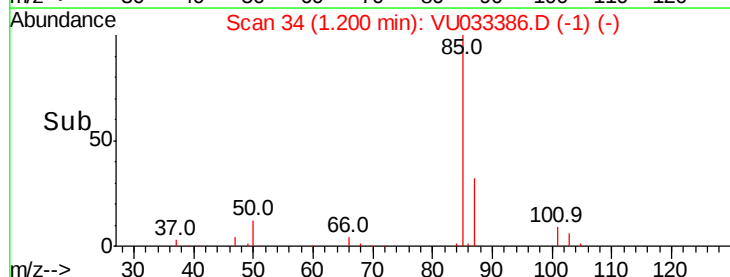
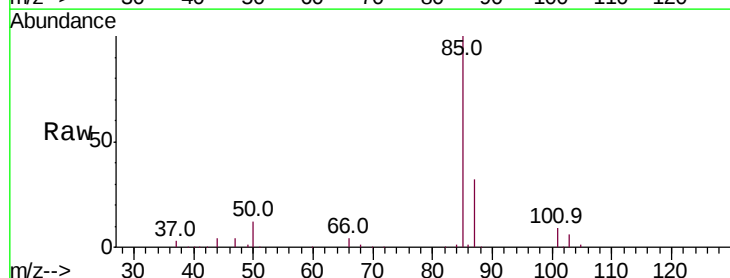
RT: 1.20 min Scan# 34

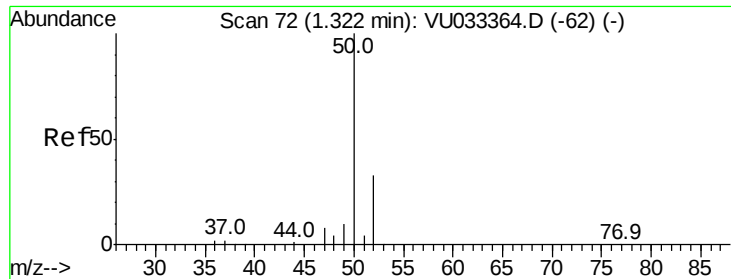
Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tgt Ion:	85	Resp:	133040
Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.7





#3

Chloromethane

Concen: 8.875 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 127221

Ion Ratio Lower Upper

50 100

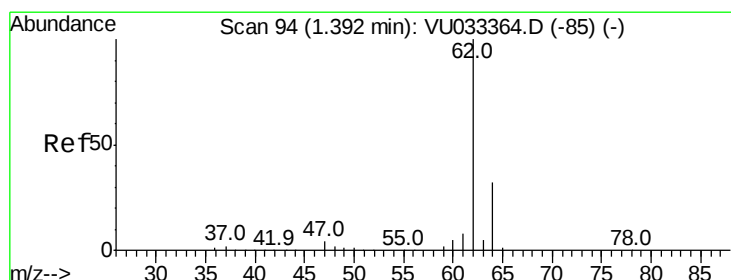
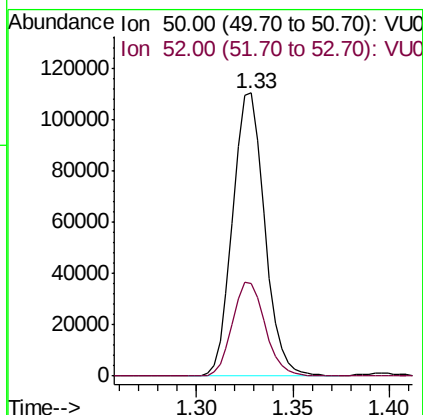
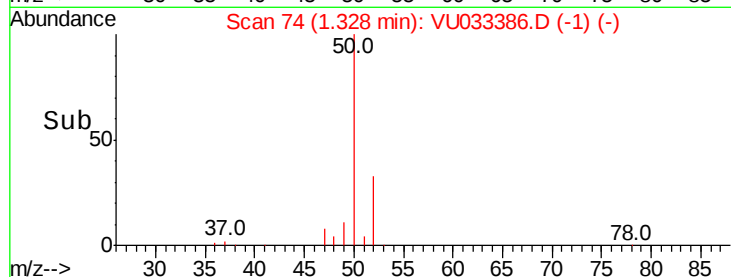
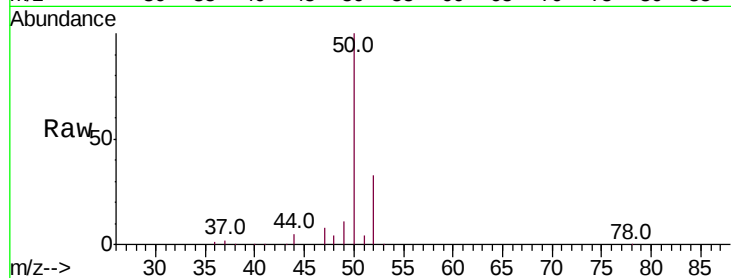
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.272 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033386.D

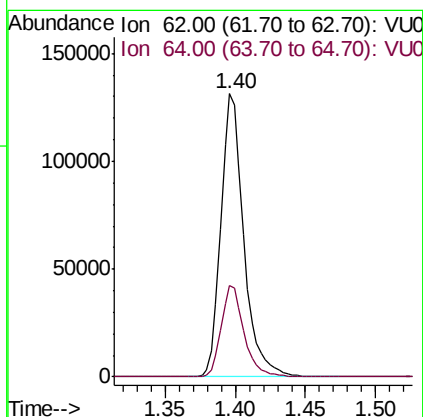
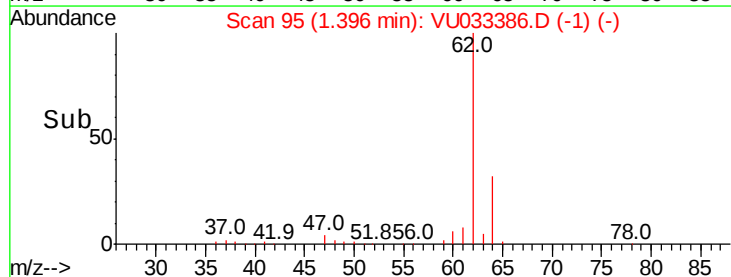
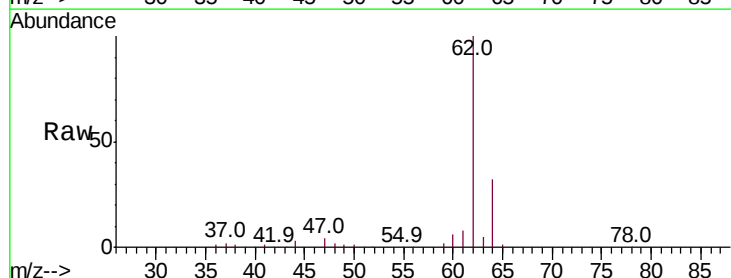
Acq: 24 Jul 2019 11:01

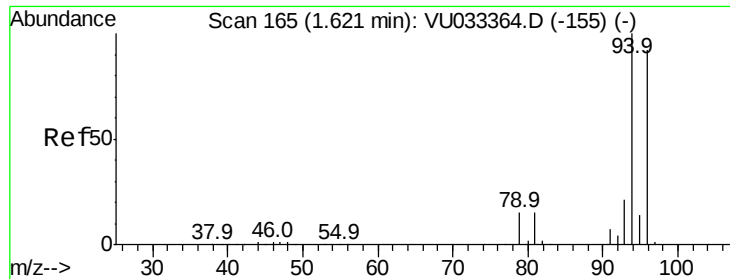
Tgt Ion: 62 Resp: 148312

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





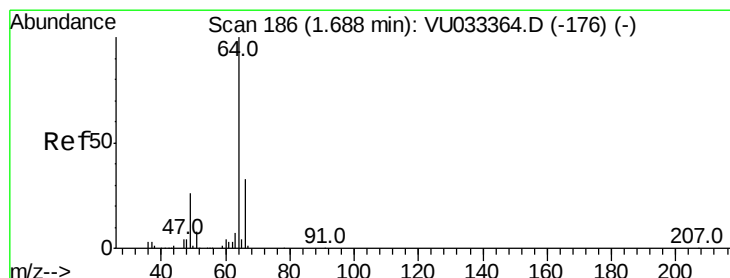
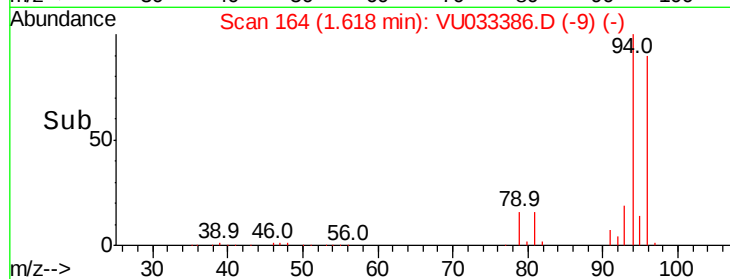
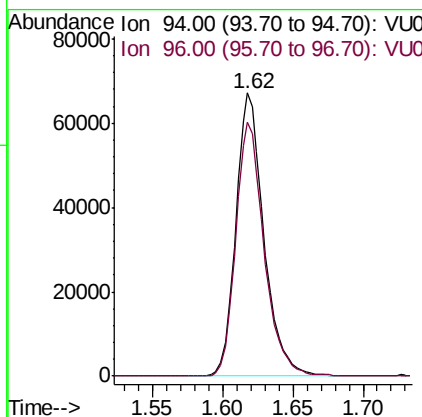
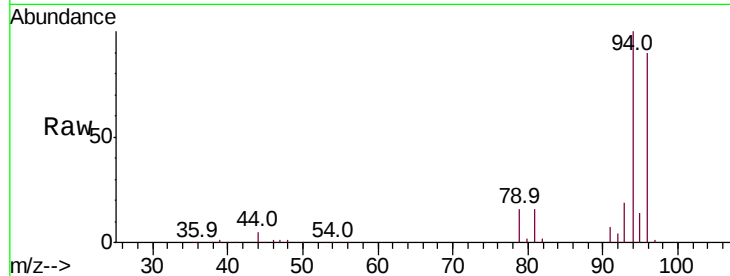
#5
Bromomethane
Concen: 9.240 ug/l
RT: 1.62 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 94 Resp: 93048
Ion Ratio Lower Upper
94 100
96 89.8 73.2 109.8

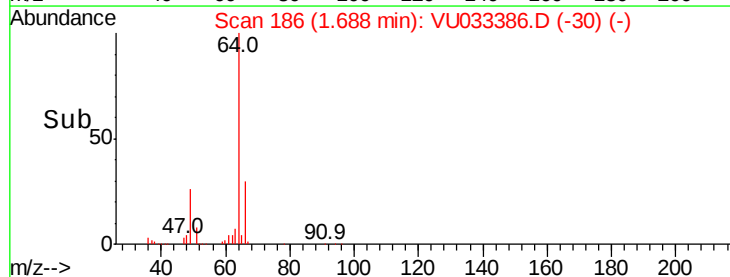
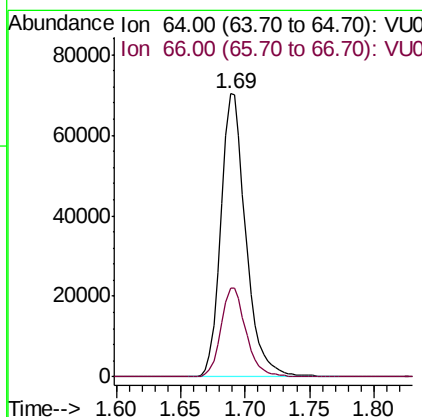
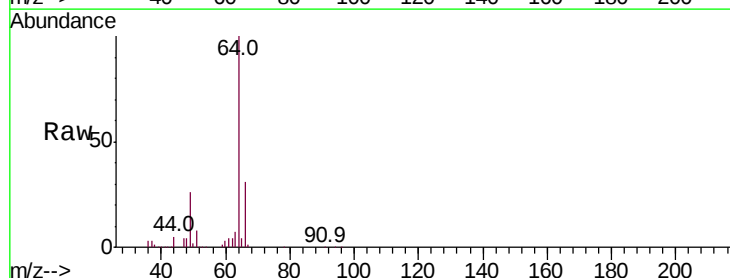
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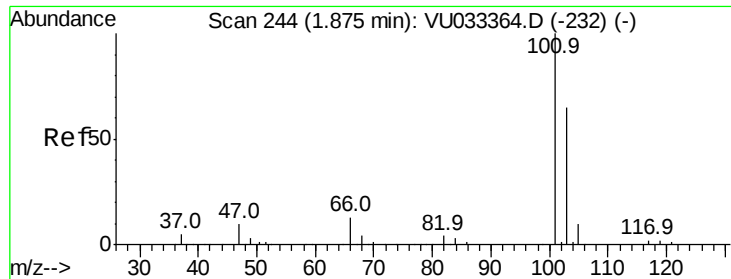
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7/25/2019 12:13:03 PM



#6
Chloroethane
Concen: 8.423 ug/l
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion: 64 Resp: 94624
Ion Ratio Lower Upper
64 100
66 31.2 26.4 39.6





#7

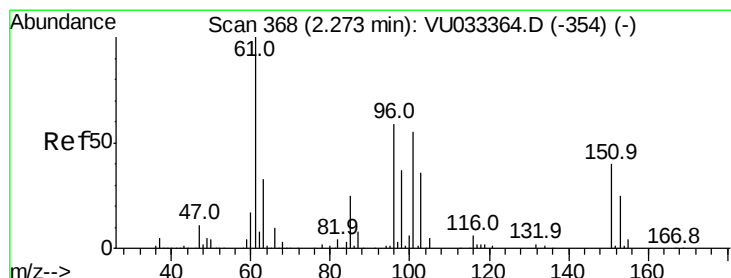
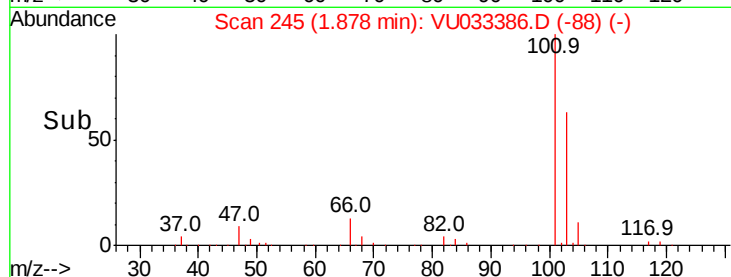
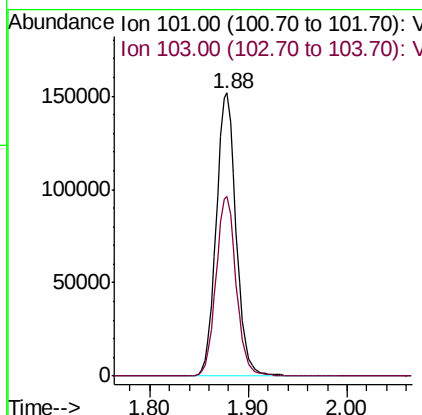
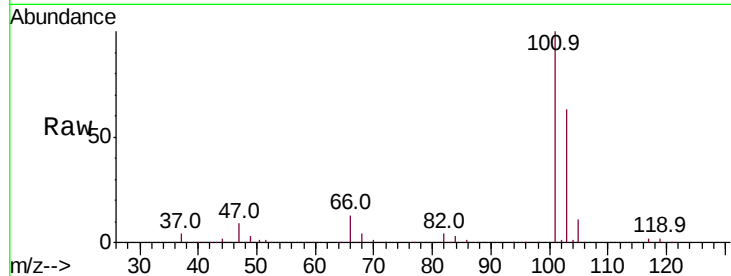
Trichlorofluoromethane
Concen: 9.770 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	214591		
103	63.4	52.2	78.2	

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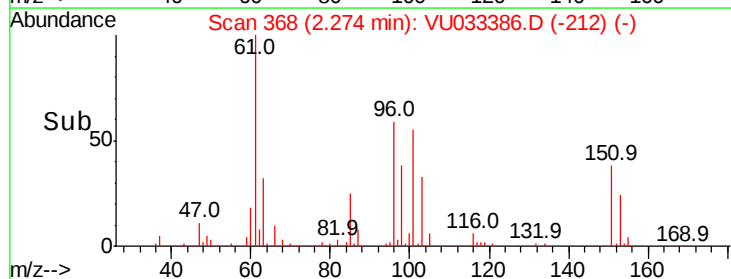
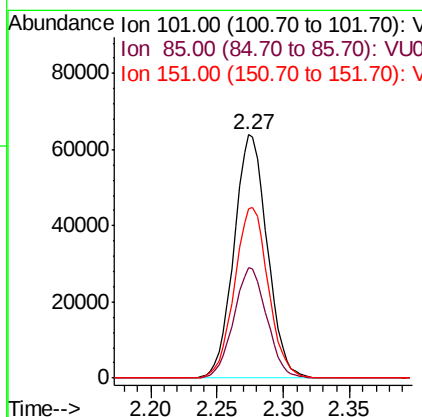
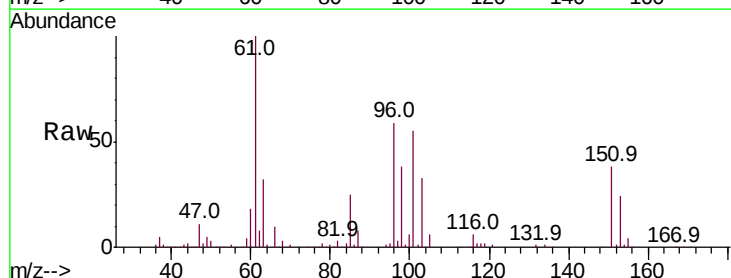
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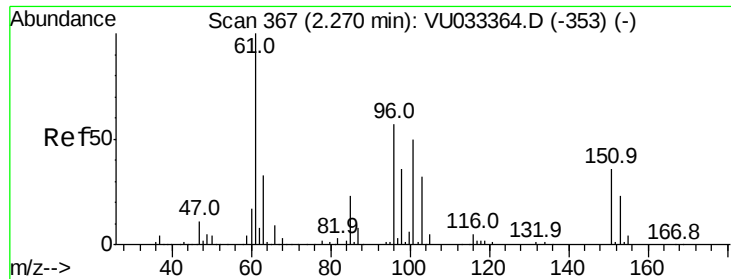


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.807 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	111114		
85	45.3	37.5	56.3	
151	71.4	58.3	87.5	





#9

1,1-Dichloroethene

Concen: 9.552 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

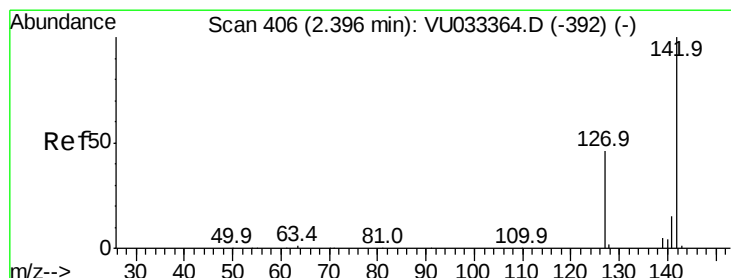
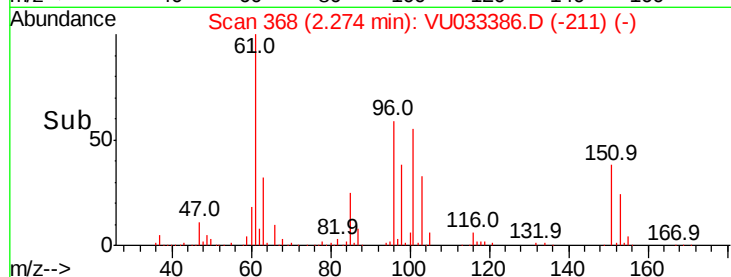
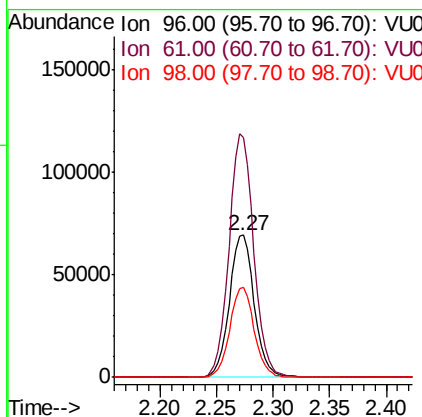
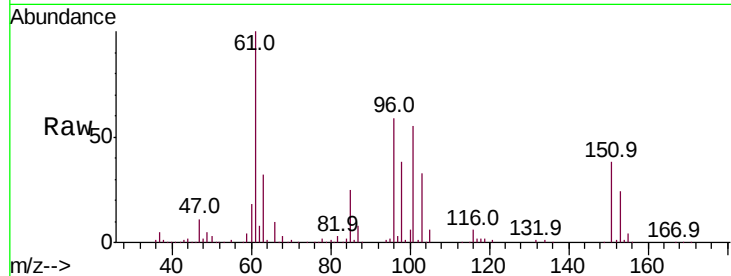
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	106591
Ion Ratio	Lower	Upper	
96	100		
61	168.8	0.0	525.6
98	63.5	0.0	126.4

Manual Integrations
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7/25/2019 12:13:03 PM



#10

Iodomethane

Concen: 7.742 ug/l

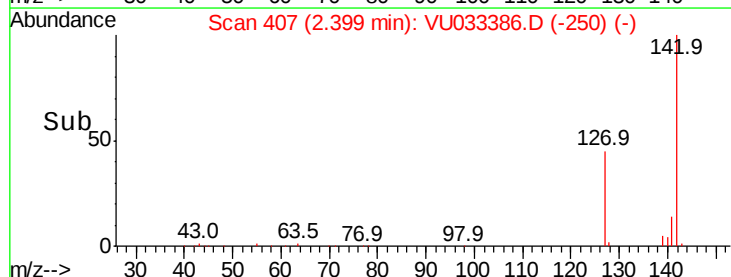
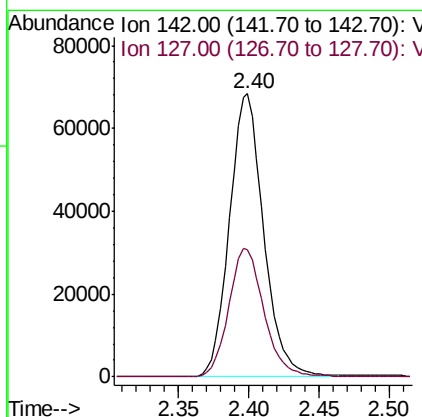
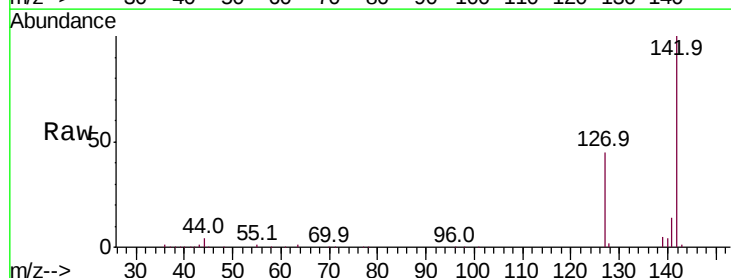
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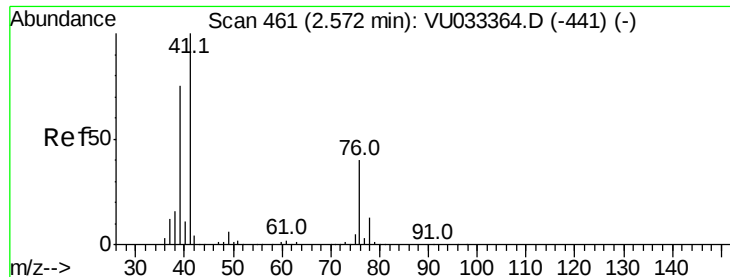
Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tgt Ion:	142	Resp:	116107
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.8	56.6





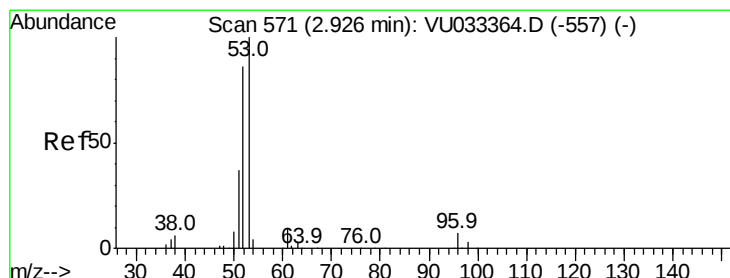
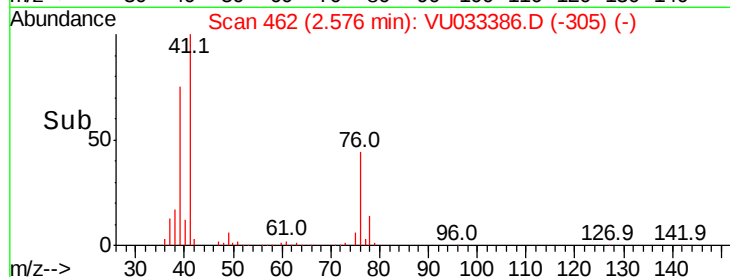
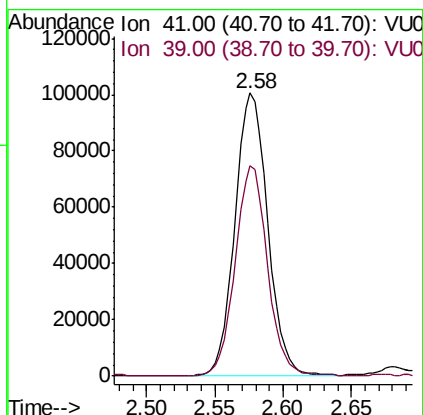
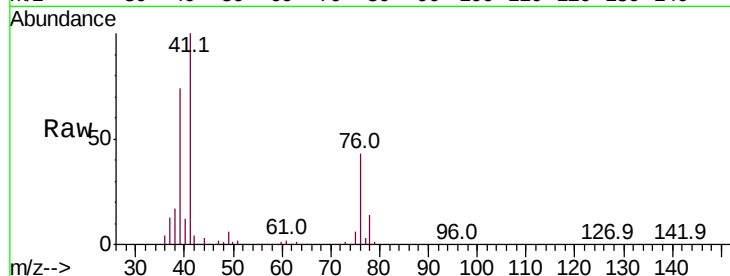
#11
Allvl Chloride
Concen: 9.072 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 167052
Ion Ratio Lower Upper
41 100
39 73.0 58.7 88.1

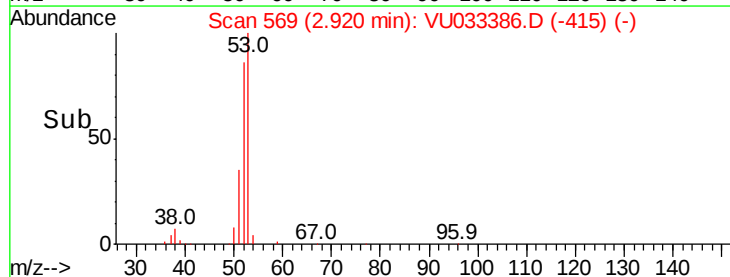
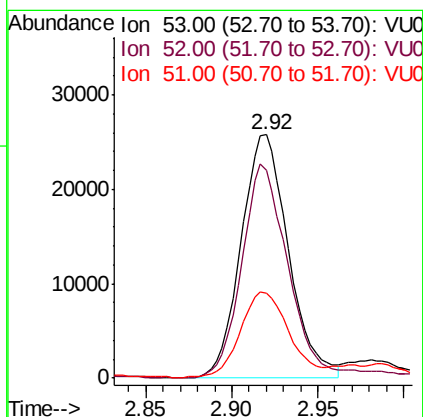
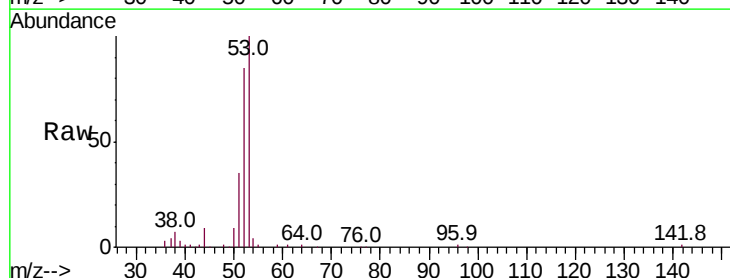
Manual Integrations
APPROVED

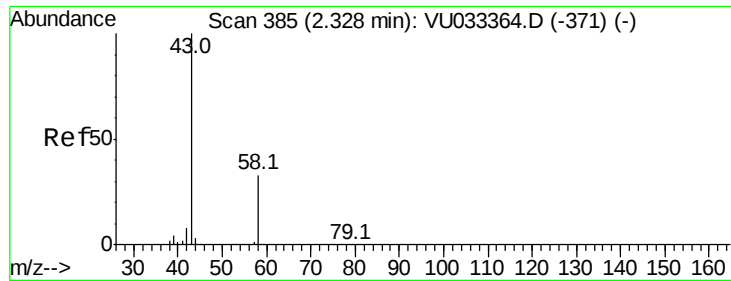
MMDadoda
7/25/2019 12:13:03 PM



#12
Acrylonitrile
Concen: 15.859 ug/l
RT: 2.92 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion: 53 Resp: 49401
Ion Ratio Lower Upper
53 100
52 89.0 69.8 104.8
51 36.2 29.1 43.7





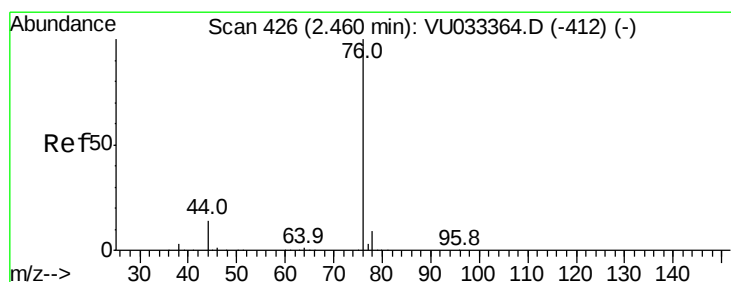
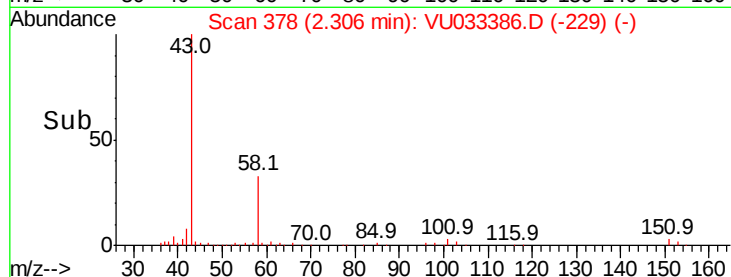
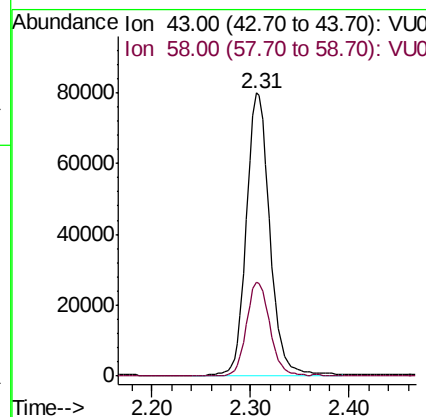
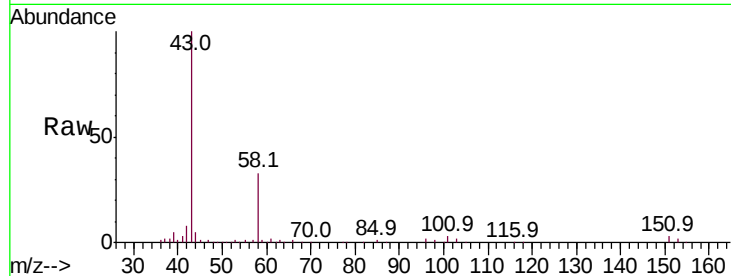
#13
Acetone
Concen: 49.373 ug/l
RT: 2.31 min Scan# 378
Delta R.T. -0.02 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	33.2		26.3	39.5	

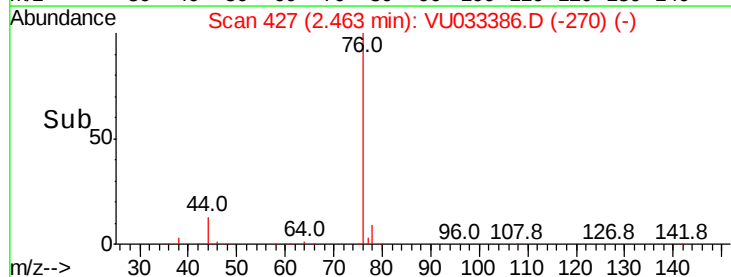
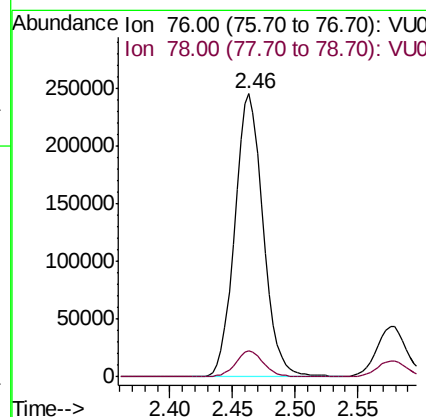
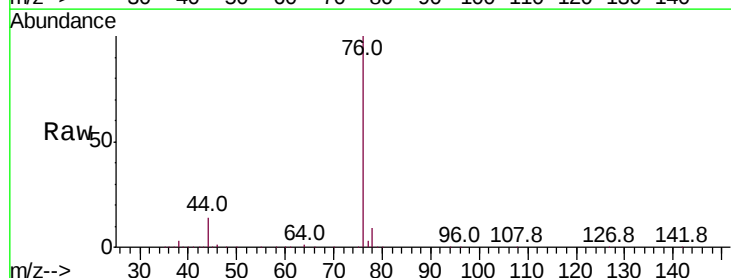
Manual Integrations
APPROVED

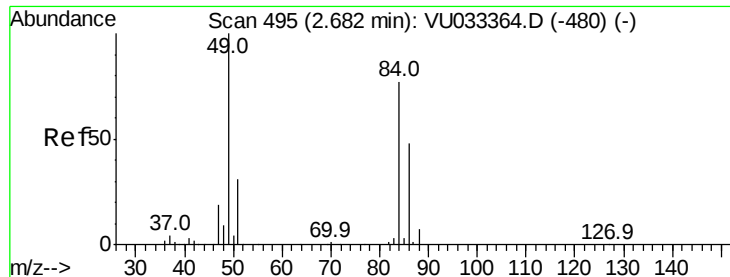
MMDadoda
7/25/2019 12:13:03 PM



#14
Carbon Disulfide
Concen: 9.099 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	76	78	Ratio	Lower	Upper
76	100				
78	9.0		7.1	10.7	





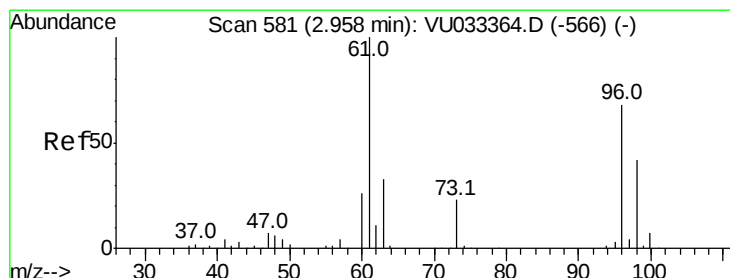
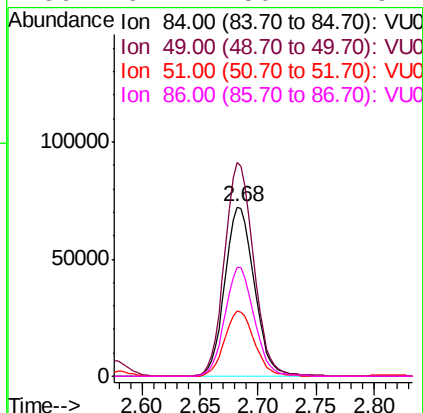
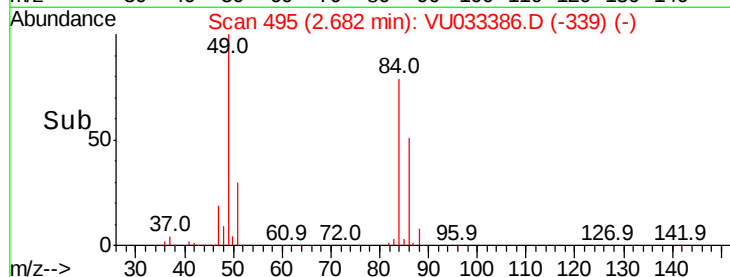
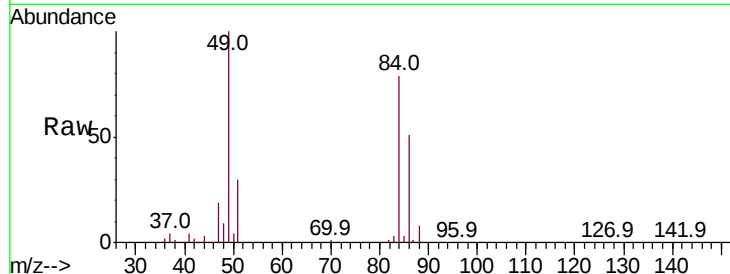
#15
Methvlene Chloride
Concen: 8.431 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
84	100		
49	126.0	103.5	155.3
51	38.2	0.0	80.4
86	64.2	50.1	75.1

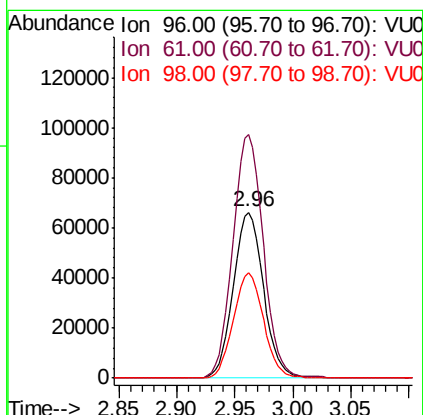
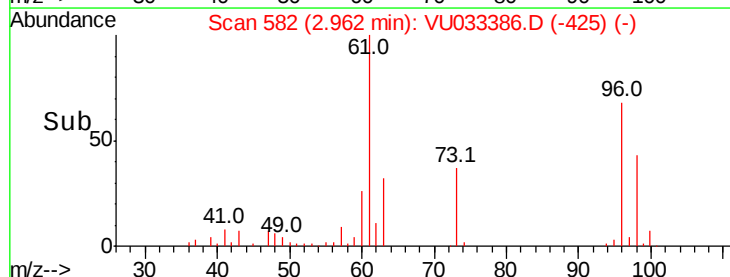
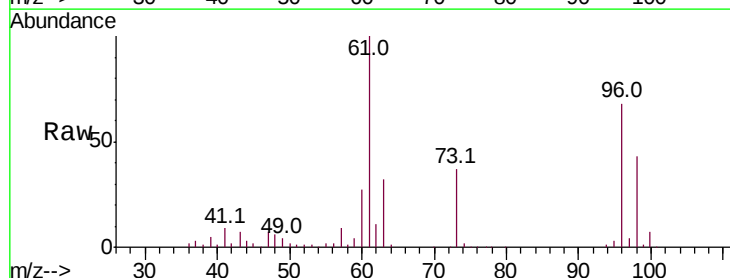
Manual Integrations
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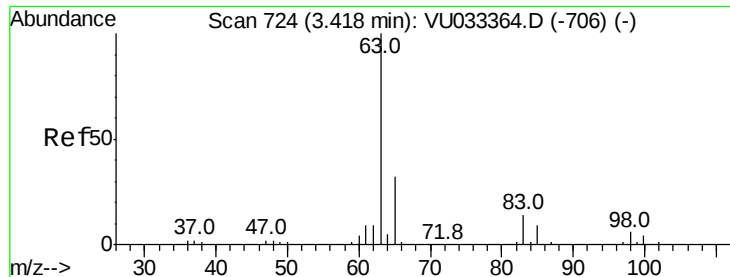
MMDadoda
7/25/2019 12:13:03 PM



#16
trans-1,2-Dichloroethene
Concen: 9.024 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	118.0	177.0
98	63.5	49.4	74.2





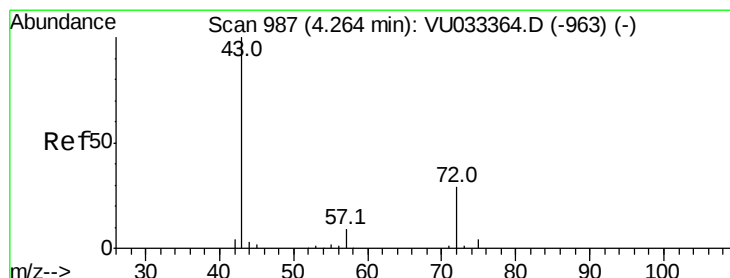
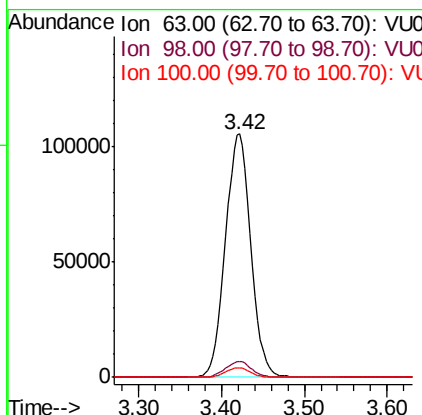
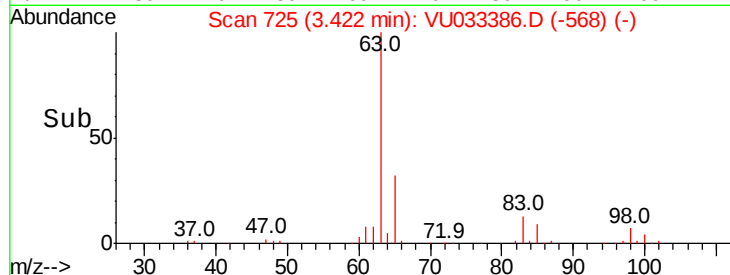
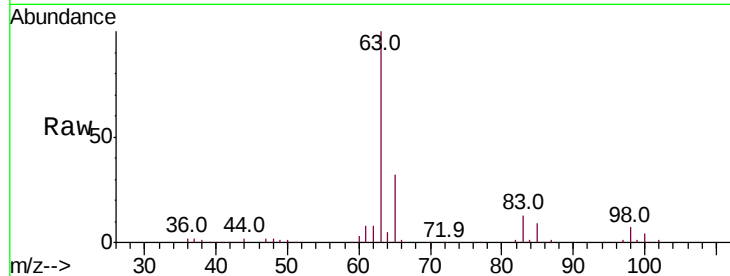
#17
 1,1-Dichloroethane
 Concen: 12.616 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	224376
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.2	9.6
100	4.0	2.1	6.2

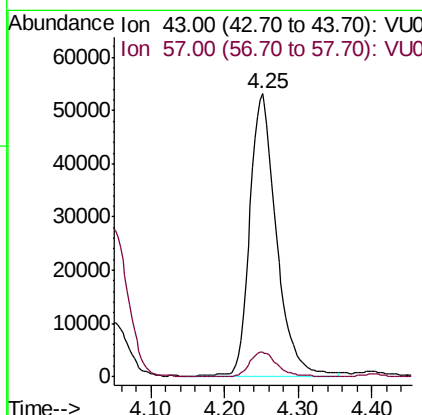
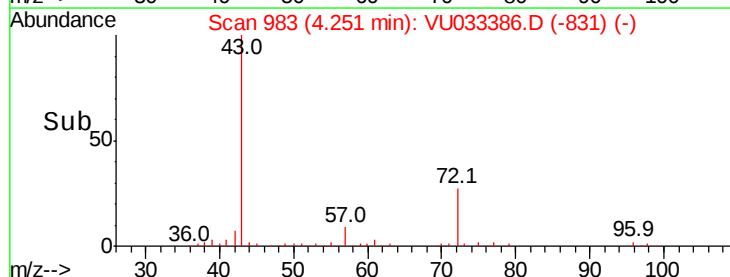
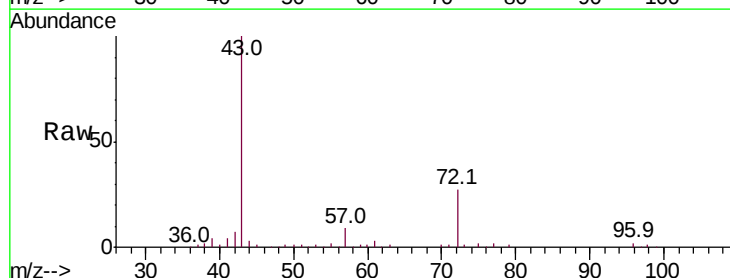
Manual Integrations
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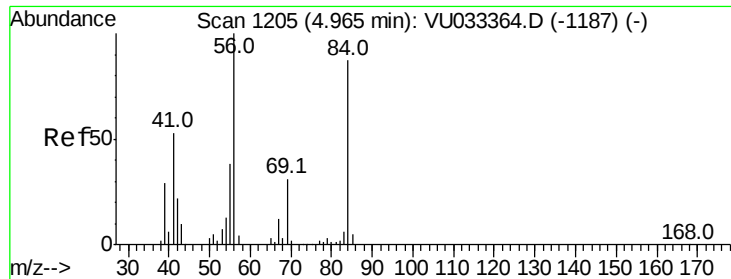
MMDadoda
 7/25/2019 12:13:03 PM



#18
 2-Butanone
 Concen: 52.395 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Tgt Ion:	43	Resp:	132906
Ion Ratio	Lower	Upper	
43	100		
57	8.6	0.0	17.0





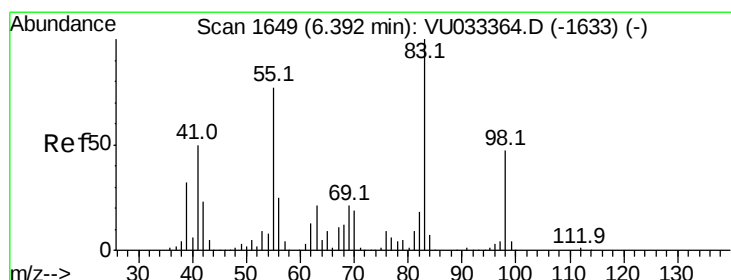
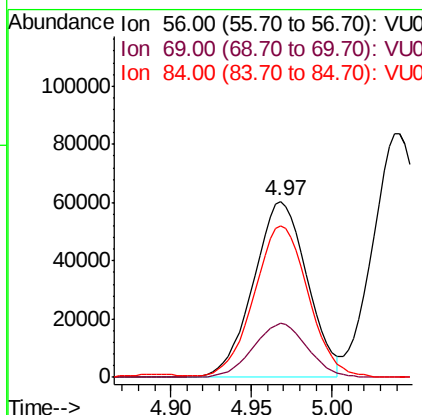
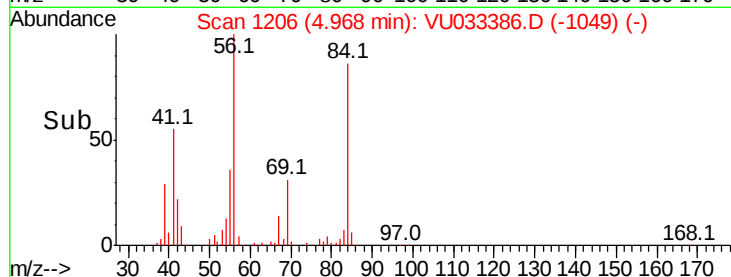
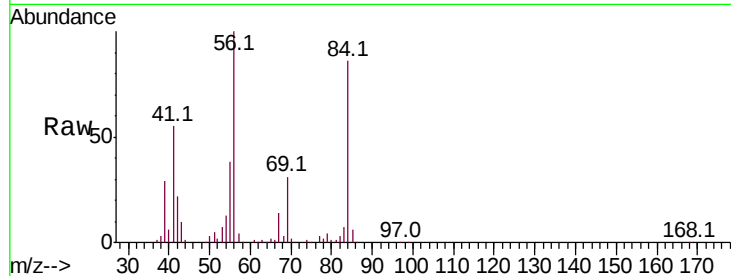
#19
Cyclohexane
Concen: 10.799 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.4
84	85.4	69.8	104.6

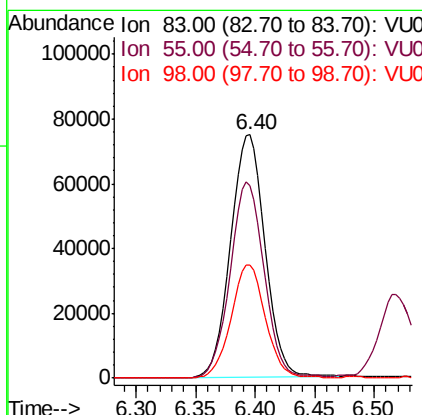
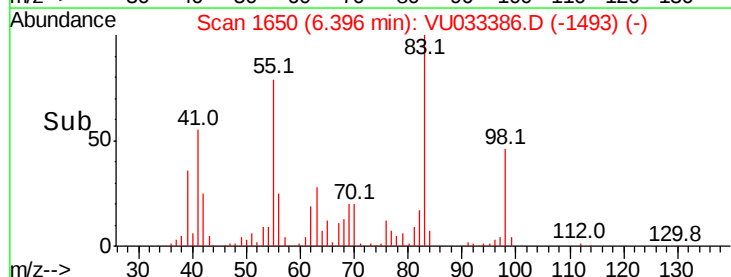
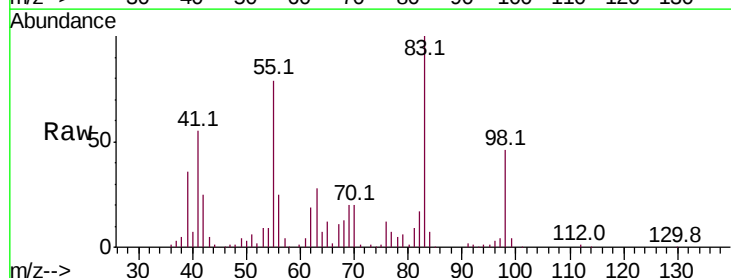
Manual Integrations
APPROVED

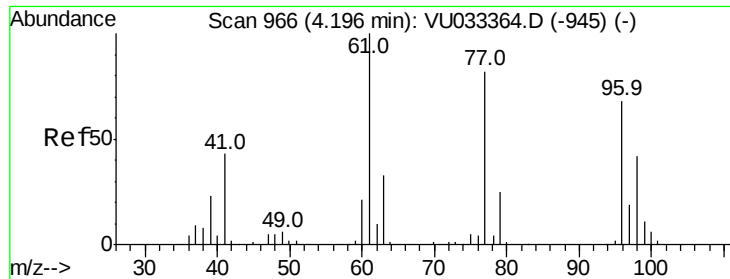
MMDadoda
7/25/2019 12:13:03 PM



#20
Methylcyclohexane
Concen: 11.399 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.3	93.5
98	46.1	37.4	56.0





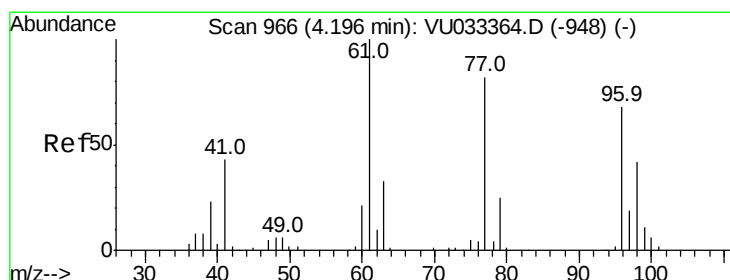
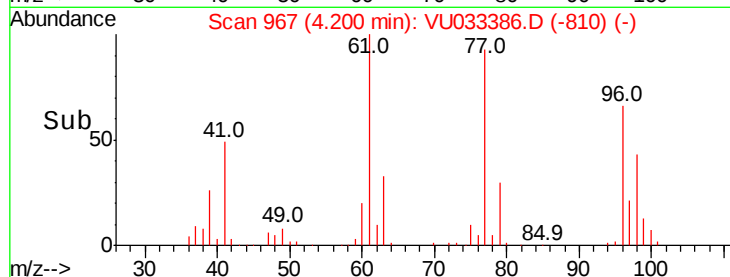
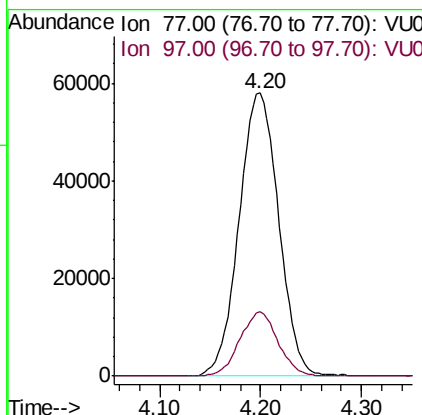
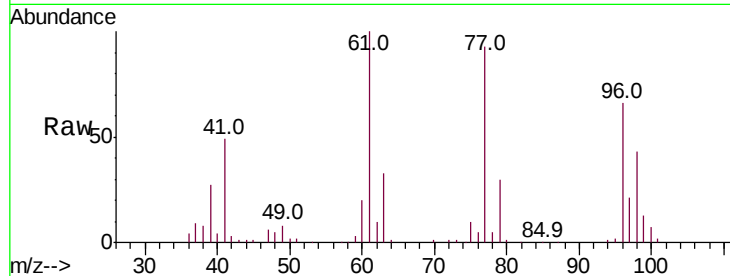
#21
2,2-Dichloropropane
Concen: 10.496 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 77 Resp: 158166
Ion Ratio Lower Upper
77 100
97 21.9 17.8 26.8

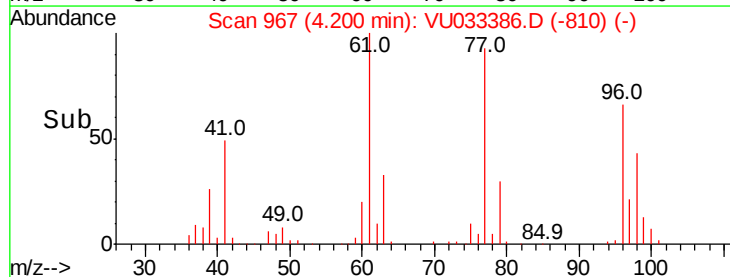
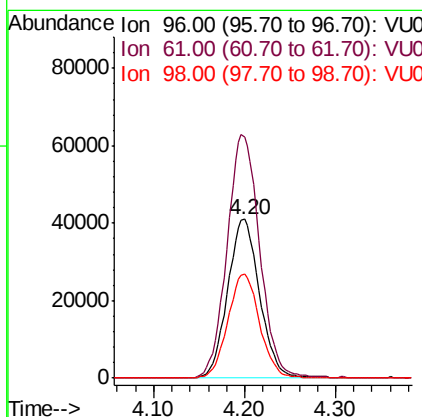
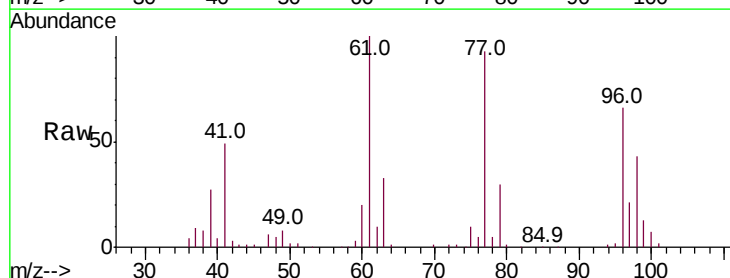
Manual Integrations
APPROVED

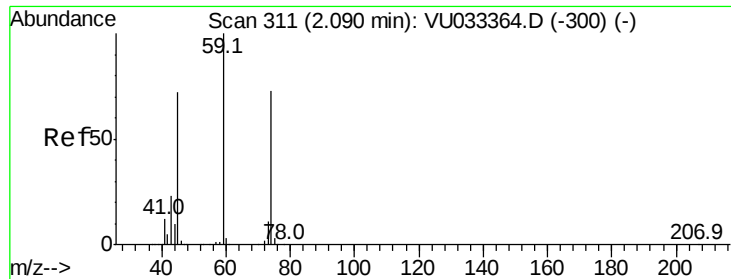
MMDadoda
7/25/2019 12:13:03 PM



#22
cis-1,2-Dichloroethene
Concen: 10.007 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion: 96 Resp: 100496
Ion Ratio Lower Upper
96 100
61 155.8 0.0 376.3
98 64.9 31.9 95.9





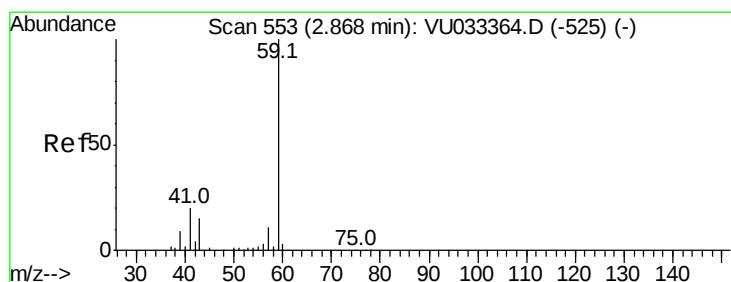
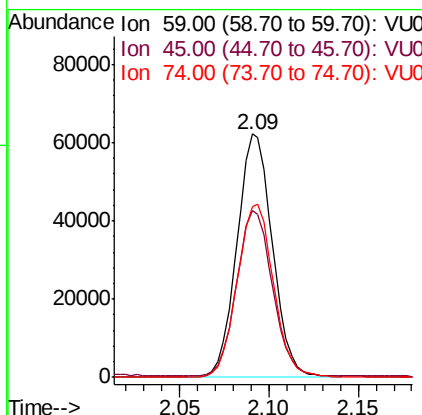
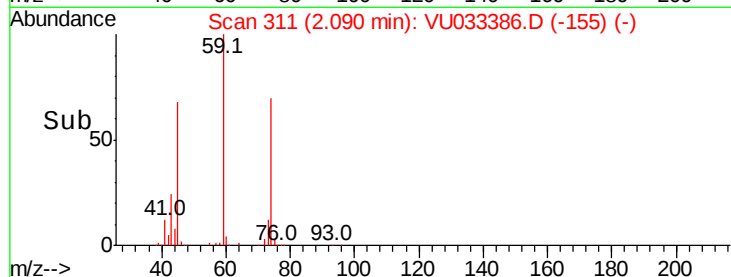
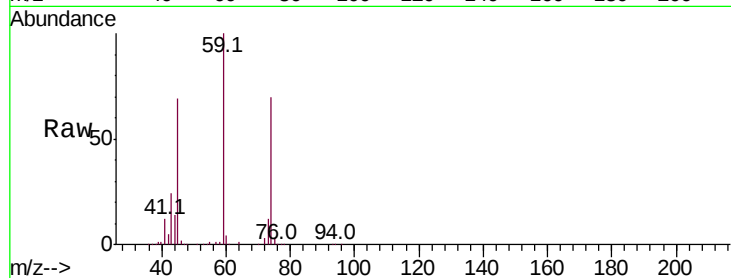
#23
Diethyl Ether
Concen: 8.942 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	69.0	57.6	86.4
74	73.1	57.8	86.6

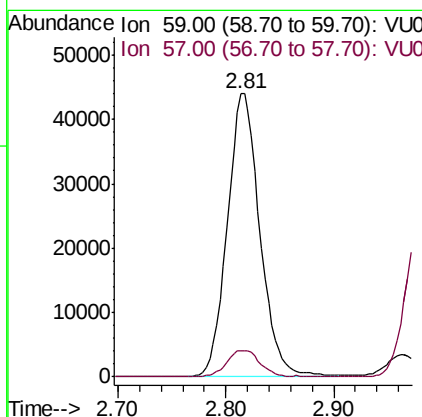
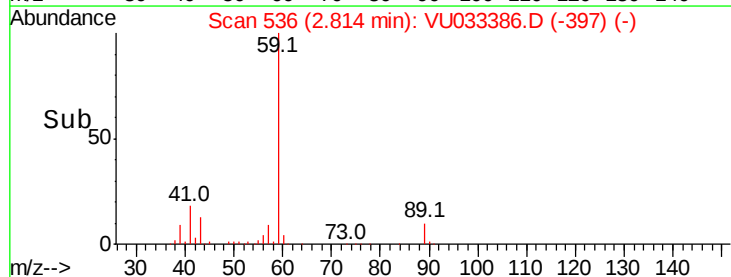
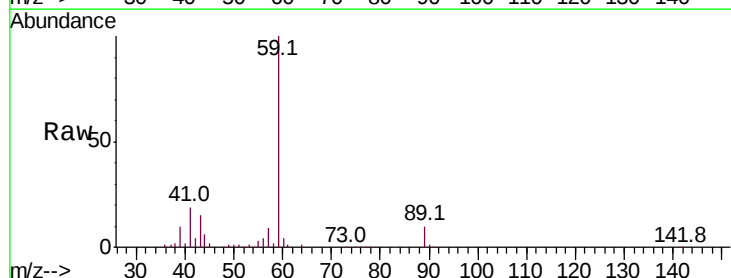
Manual Integrations
APPROVED

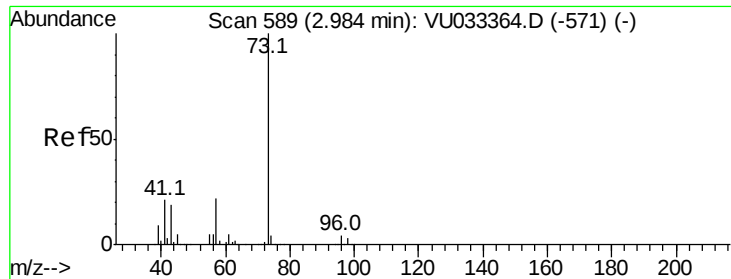
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 77.509 ug/l
RT: 2.81 min Scan# 536
Delta R.T. -0.05 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8





#25

Methyl tert-Butyl Ether

Concen: 8.740 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tot Ion: 73 Resp: 280817

Ion Ratio Lower Upper

73 100

43 19.8 16.6 24.8

Instrument :

MSVOA_U

ClientSampled :

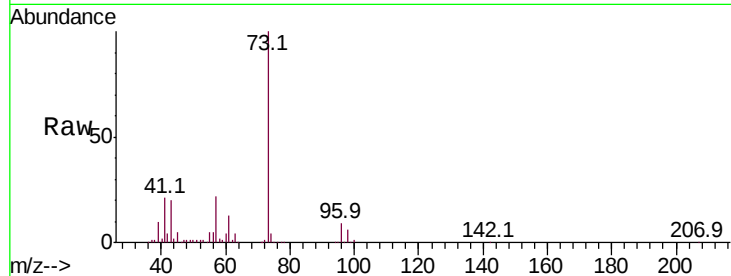
VSTDCCC010

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)

2.98

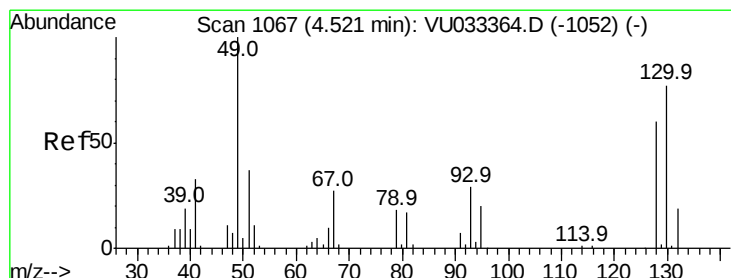
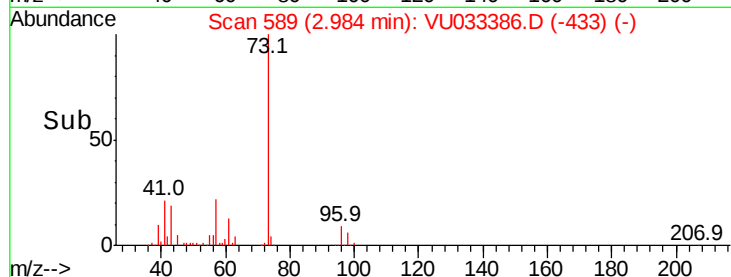
150000

100000

50000

0

Time-->



#26

Bromochloromethane

Concen: 9.839 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

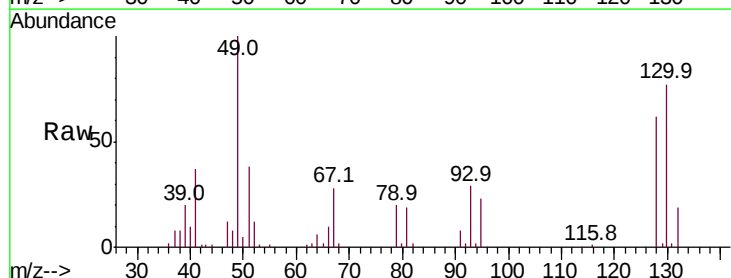
Tgt Ion: 128 Resp: 43450

Ion Ratio Lower Upper

128 100

49 162.5 0.0 333.4

130 127.9 103.4 155.2



Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)

4.52

40000

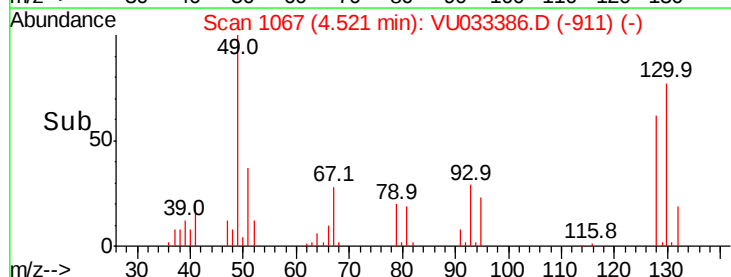
30000

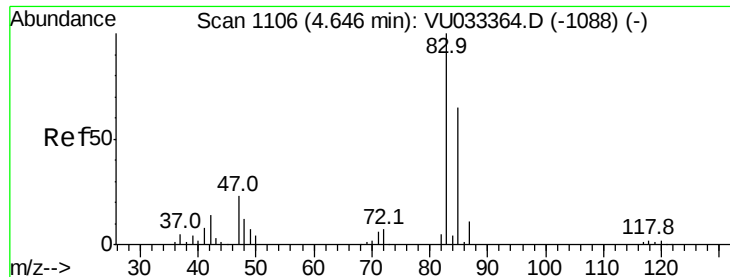
20000

10000

0

Time-->





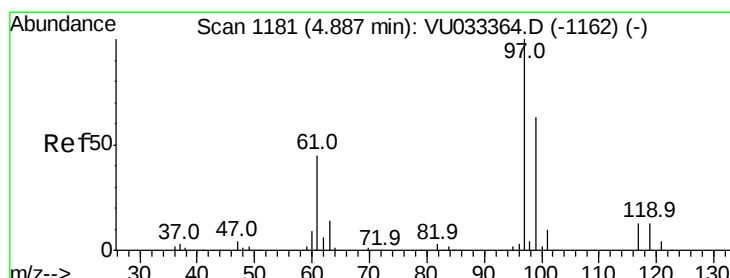
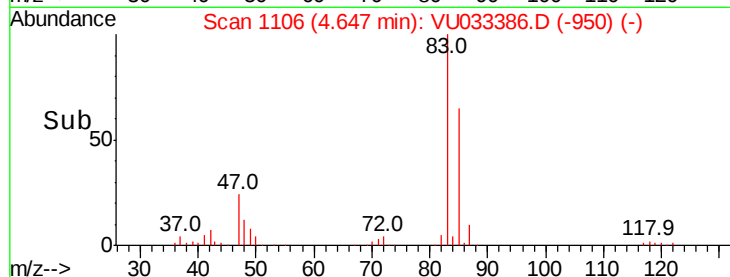
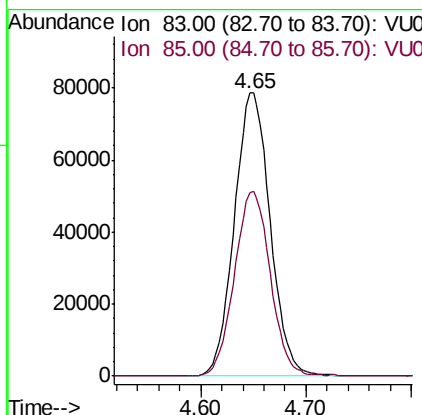
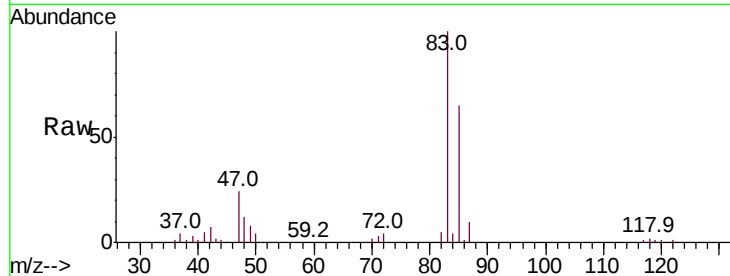
#27
Chloroform
Concen: 9.135 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	185679
Ion Ratio	100	Lower	Upper
85	64.9	0.0	129.8

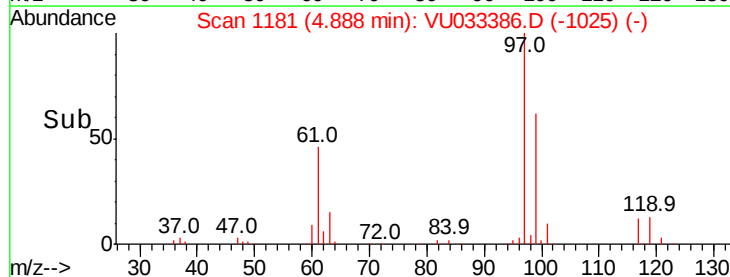
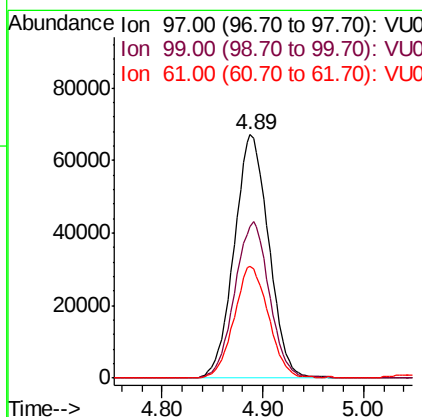
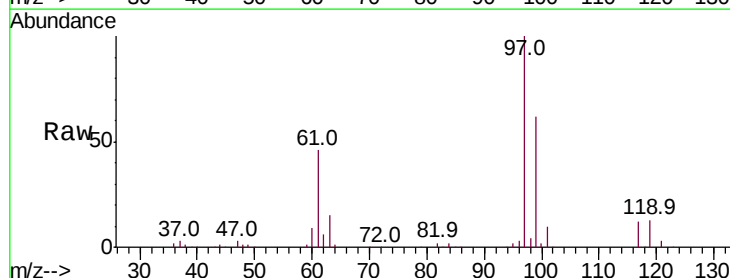
Manual Integrations
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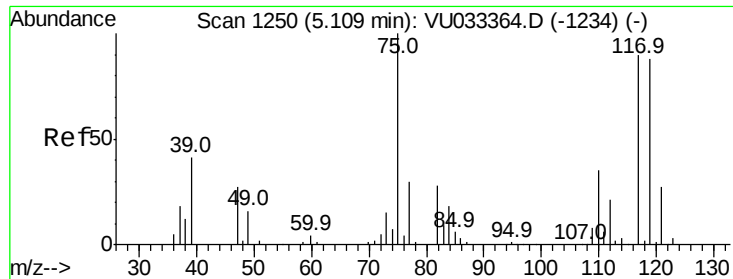
MMDadoda
7/25/2019 12:13:03 PM



#28
1,1,1-Trichloroethane
Concen: 10.145 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	97	Resp	159648
Ion Ratio	100	Lower	Upper
99	64.2	31.9	95.5
61	45.7	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.515 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 136485

Ion Ratio Lower Upper

75 100

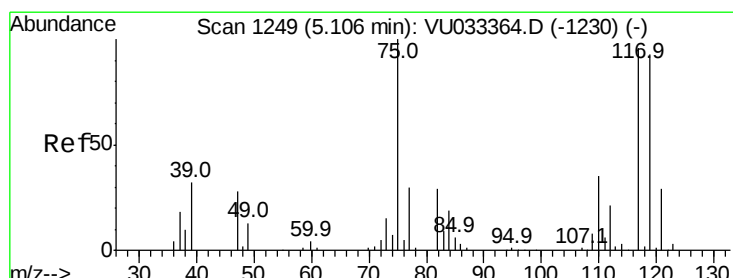
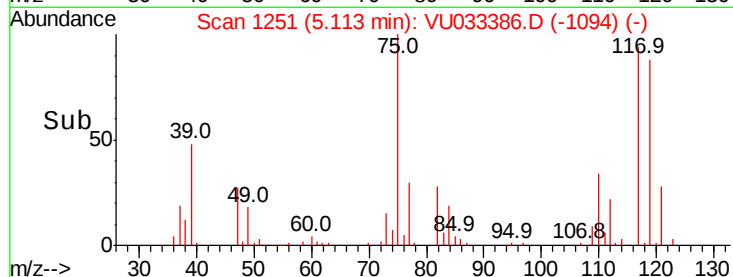
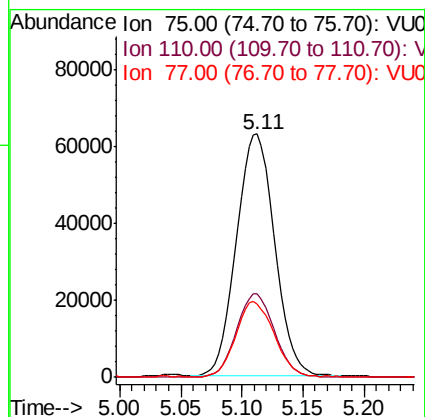
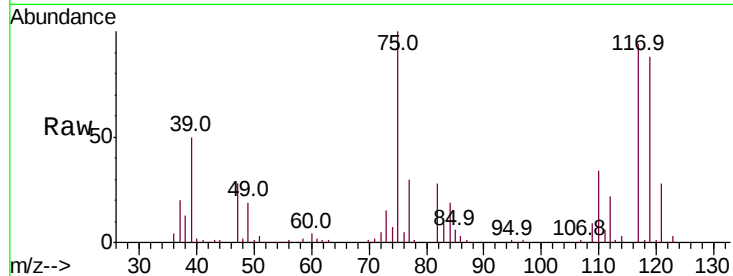
110 34.5 17.5 52.6

77 31.2 25.1 37.7

Manual Integrations
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7/25/2019 12:13:03 PM



#30

Carbon Tetrachloride

Concen: 10.175 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

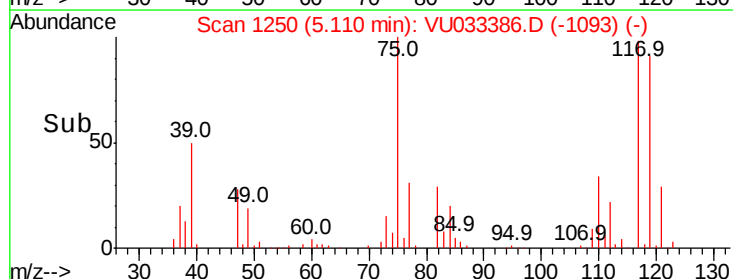
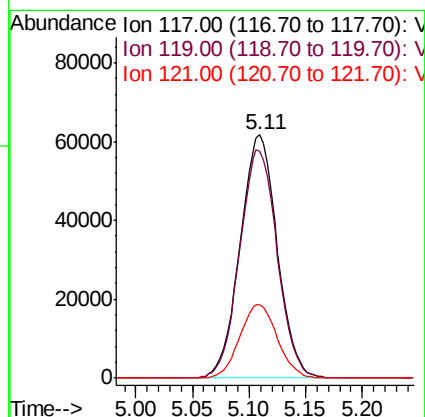
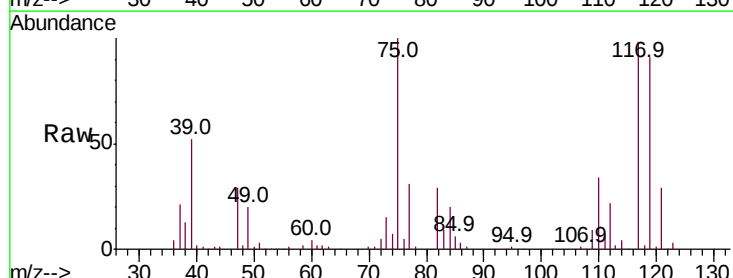
Tgt Ion: 117 Resp: 140928

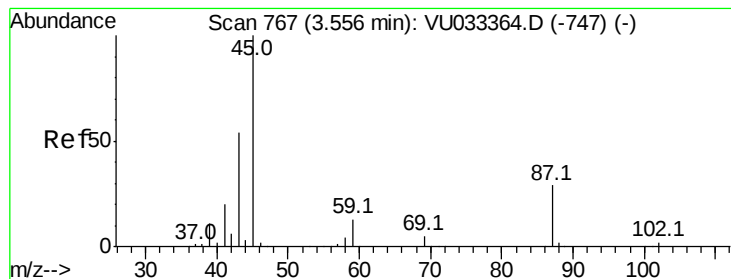
Ion Ratio Lower Upper

117 100

119 93.1 77.9 116.9

121 29.9 24.0 36.0





#31

Isopropyl Ether

Concen: 10.165 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 228494

Ion Ratio Lower Upper

45 100

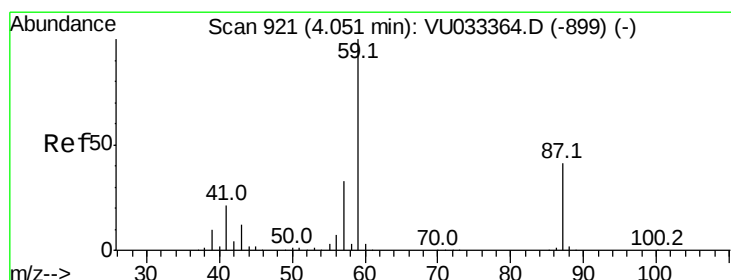
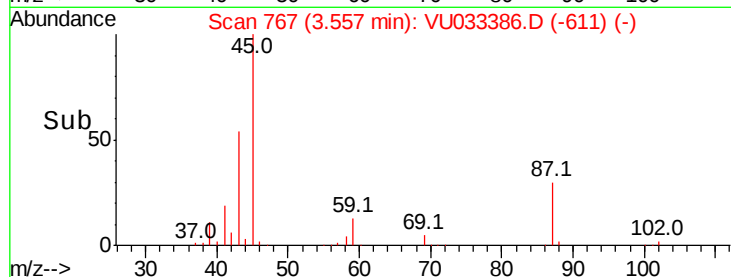
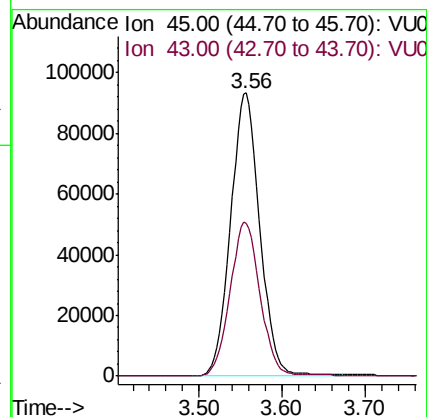
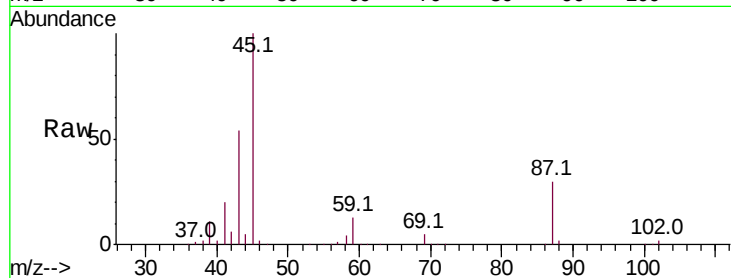
43 55.6 27.8 83.3

Manual Integrations

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7/25/2019 12:13:03 PM



#32

Ethyl-t-butyl ether

Concen: 10.207 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033386.D

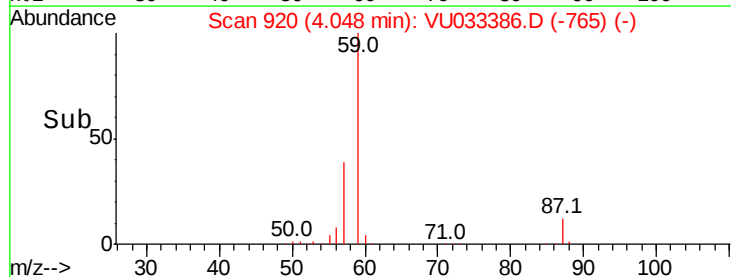
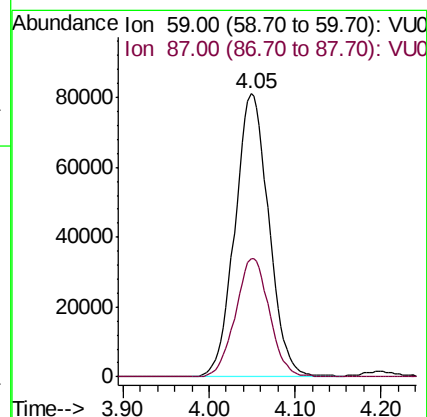
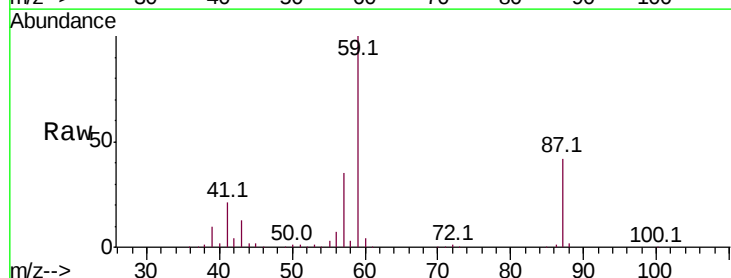
Acq: 24 Jul 2019 11:01

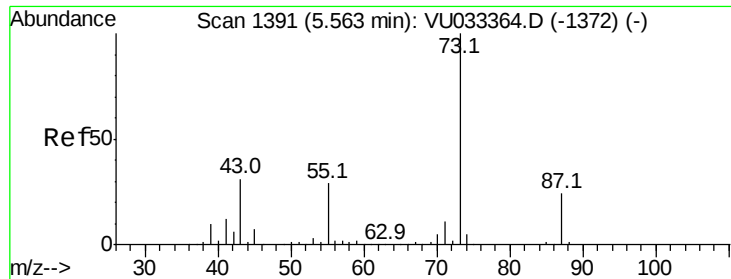
Tgt Ion: 59 Resp: 220568

Ion Ratio Lower Upper

59 100

87 41.8 33.8 50.6





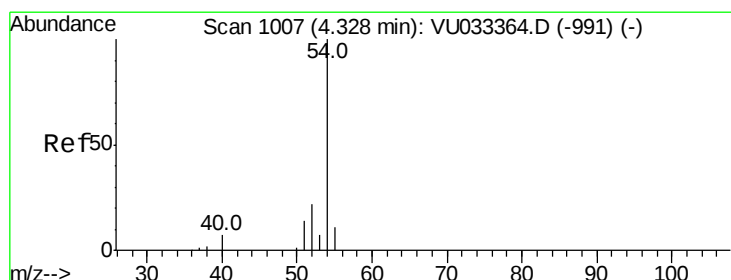
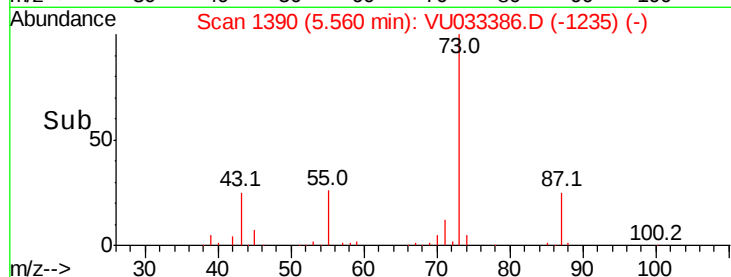
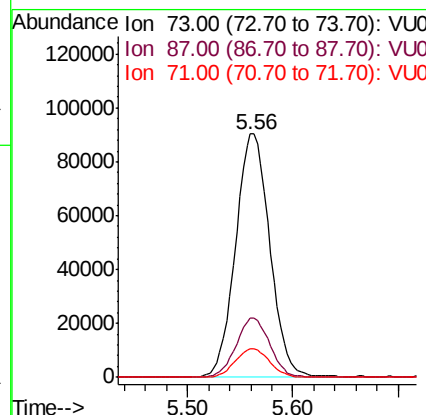
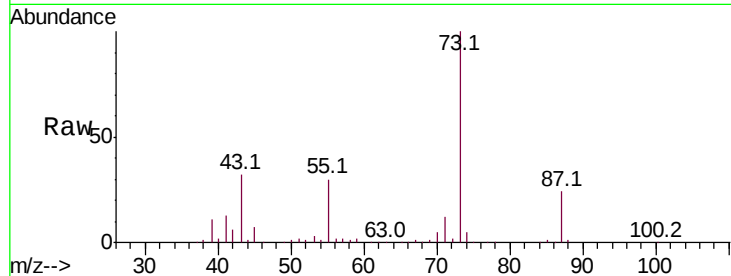
#33
Tert-Butyl methyl ether
Concen: 10.400 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	18.9	28.3
71	11.9	9.3	13.9

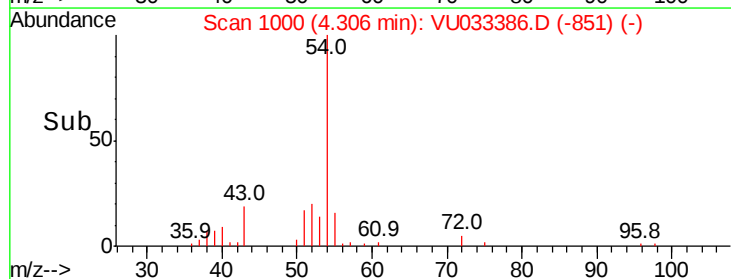
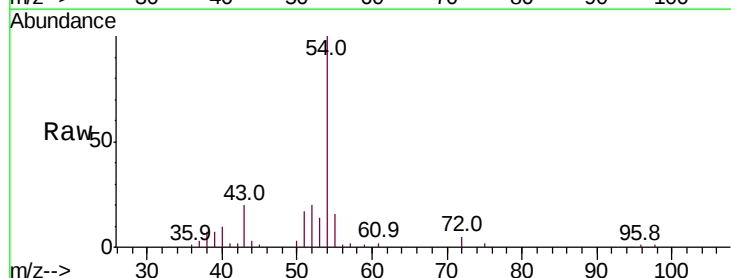
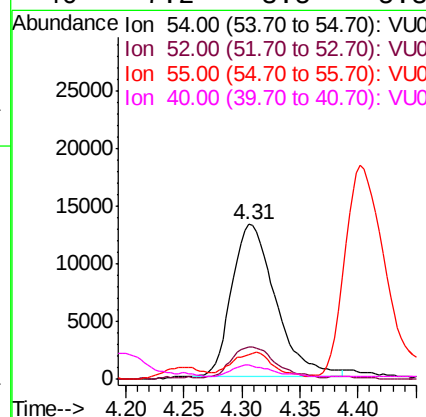
Manual Integrations
APPROVED

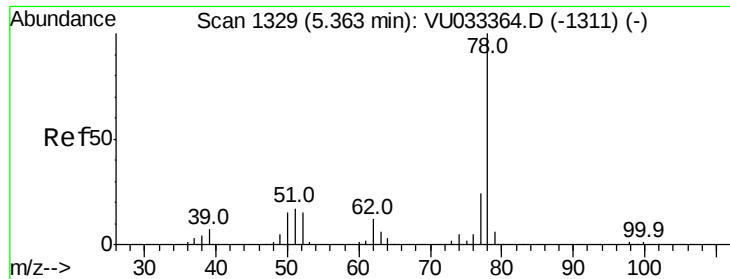
MMDadoda
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#34
Propionitrile
Concen: 47.963 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. -0.02 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.4	17.1	25.7
55	14.5	11.6	17.4
40	7.2	3.5	5.3





#35

Benzene

Concen: 10.429 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 391106

Ion Ratio Lower Upper

78 100

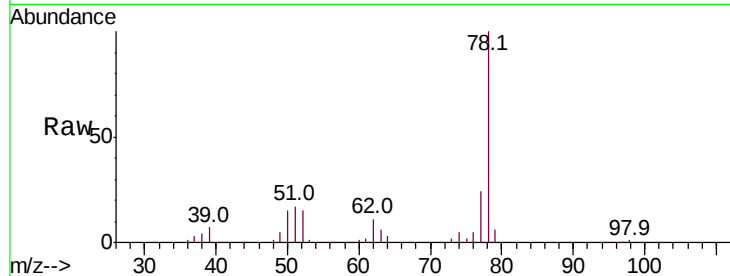
77 24.2 19.4 29.2

Manual Integrations

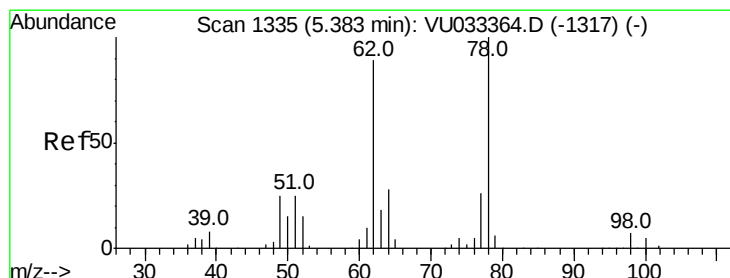
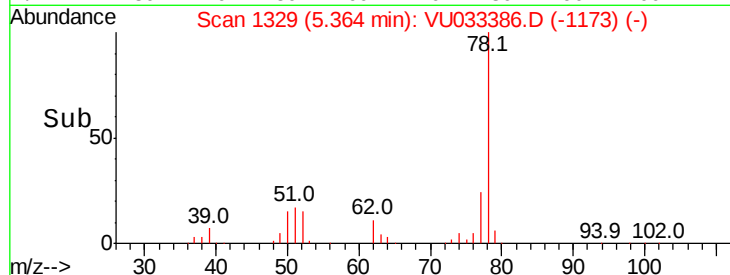
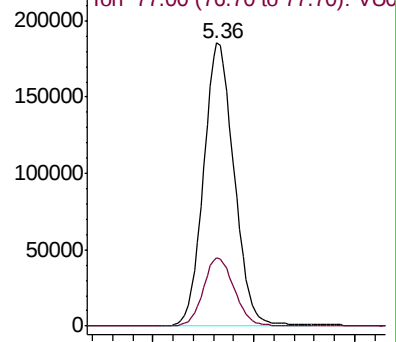
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Abundance Ion 78.10 (77.80 to 78.80): VU033386.D (-1173) (-)



#36

1,2-Dichloroethane

Concen: 9.875 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033386.D

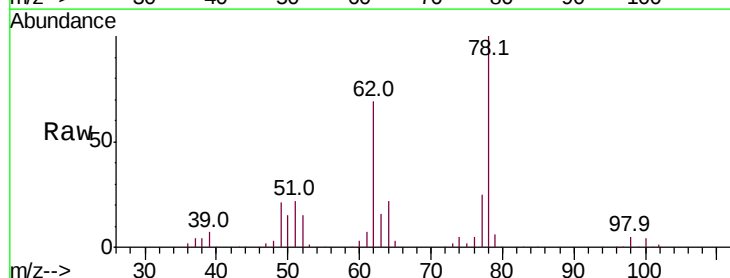
Acq: 24 Jul 2019 11:01

Tgt Ion: 62 Resp: 123241

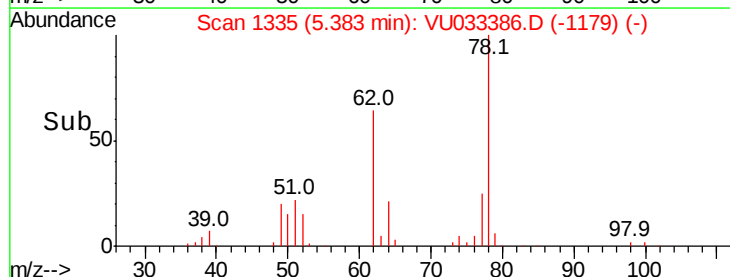
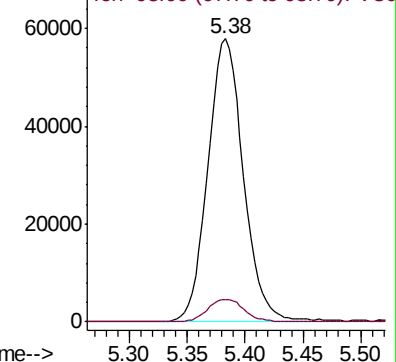
Ion Ratio Lower Upper

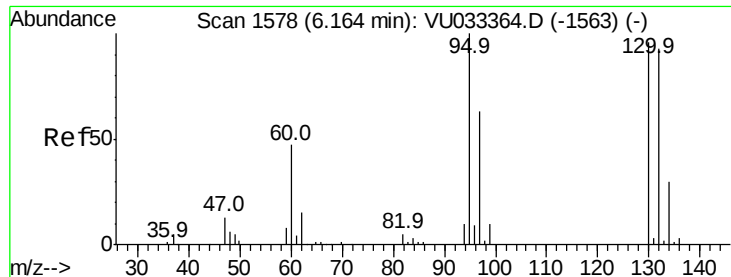
62 100

98 8.2 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033386.D (-1179) (-)





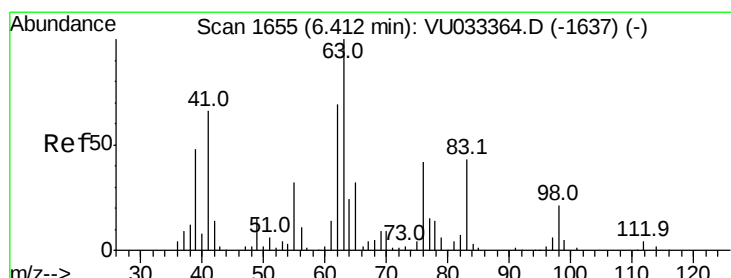
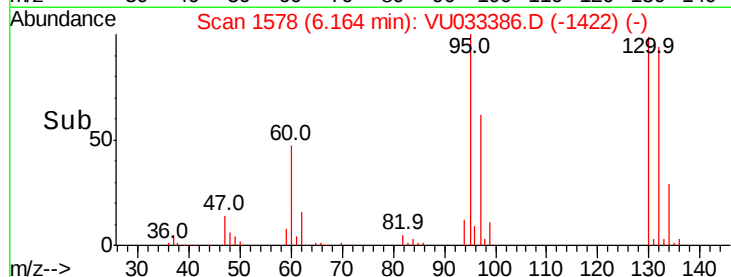
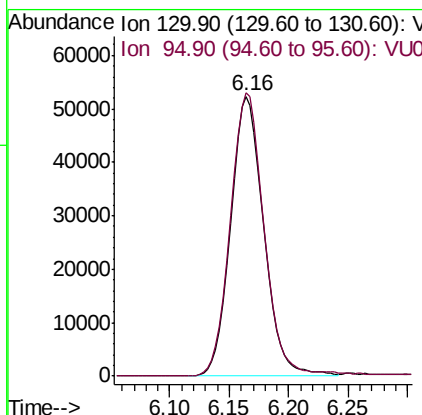
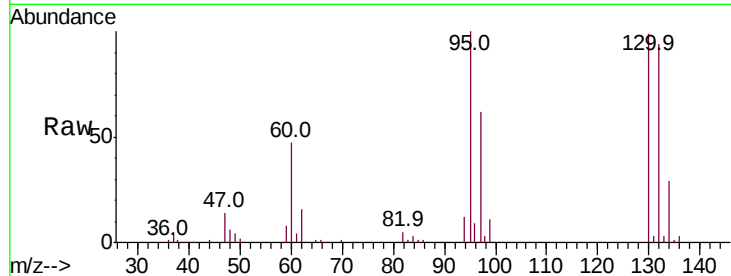
#37
 Trichloroethene
 Concen: 10.209 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:130 Resp: 101048
 Ion Ratio Lower Upper
 130 100
 95 101.1 83.4 125.0

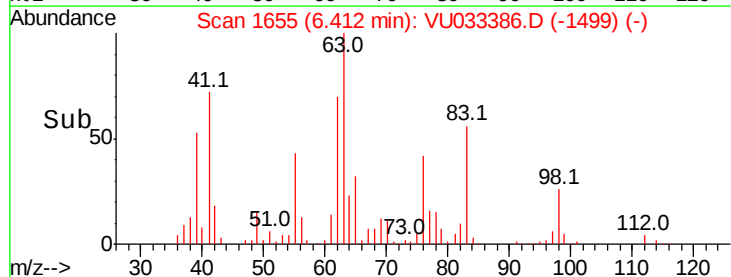
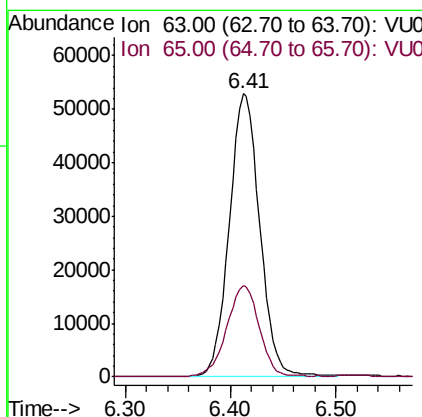
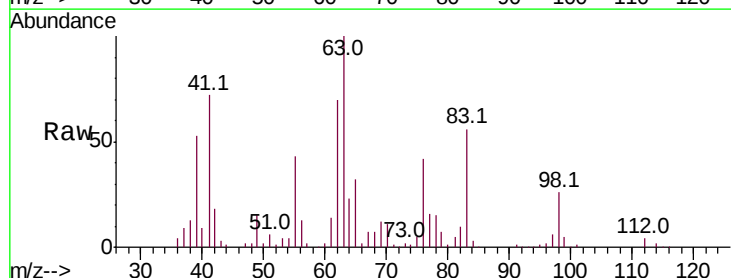
Manual Integrations
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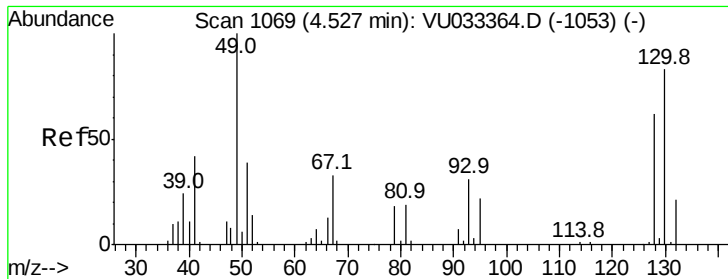
MMDadoda
 7/25/2019 12:13:03 PM



#38
 1,2-Dichloropropane
 Concen: 10.248 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Tgt Ion: 63 Resp: 106030
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.7 38.5





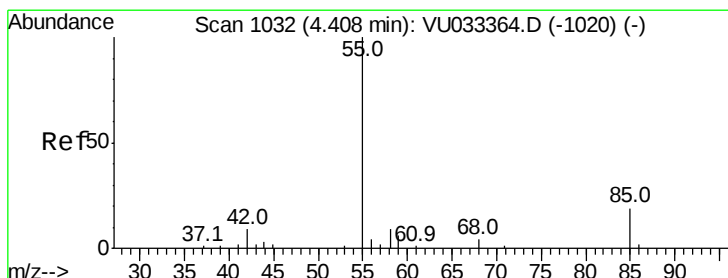
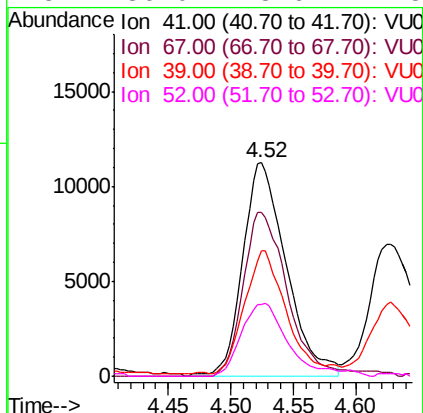
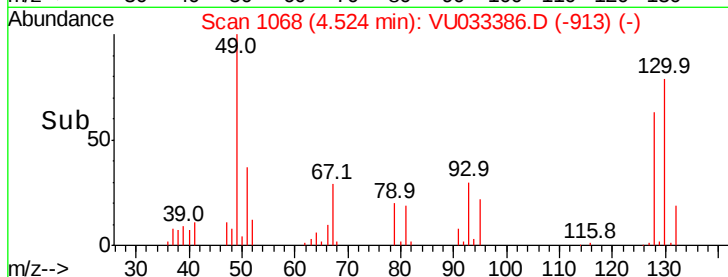
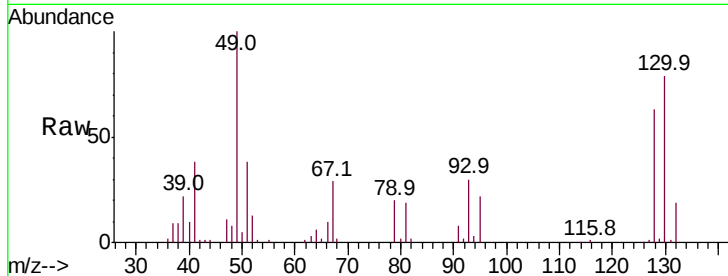
#39
Methacrylonitrile
Concen: 9.392 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
67	78.3	64.4	96.6
39	54.4	46.8	70.2
52	36.0	28.6	42.8

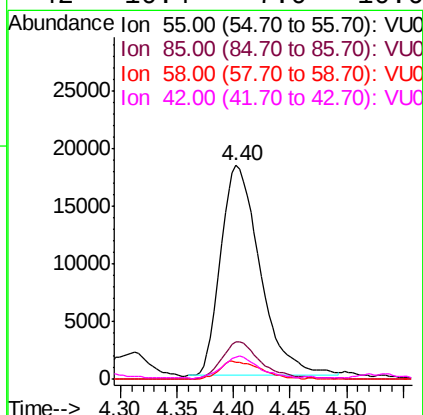
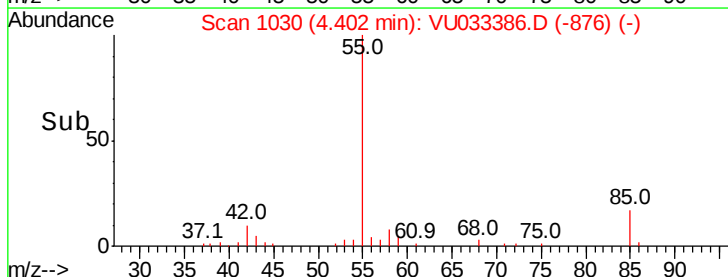
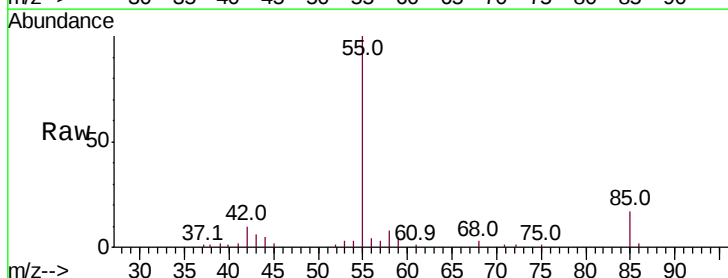
Manual Integrations
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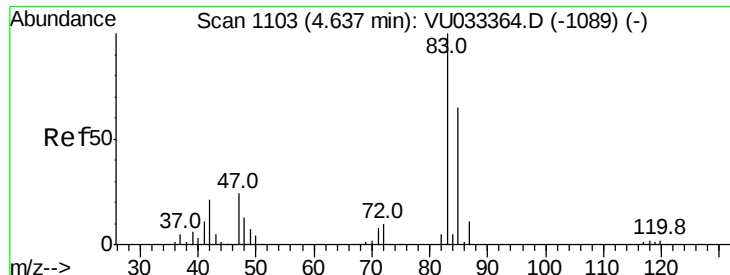
MMDadoda
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#40
Methyl acrylate
Concen: 9.895 ug/l
RT: 4.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.6	14.8	22.2
58	8.7	7.1	10.7
42	10.4	7.0	10.6





#41

Tetrahydrofuran

Concen: 19.146 ug/l

RT: 4.62 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

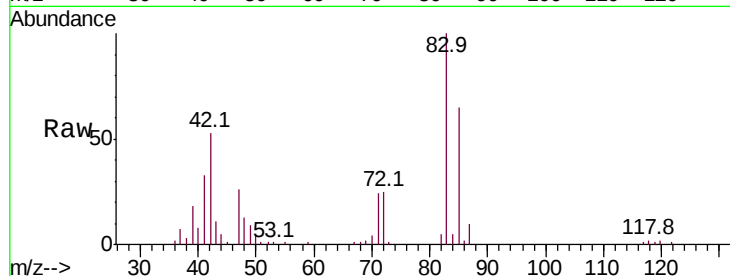
ClientSampleId :

VSTDCCC010

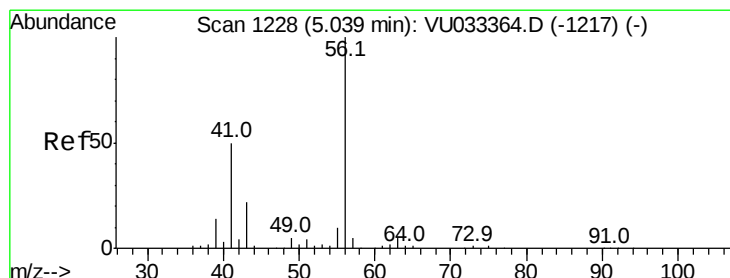
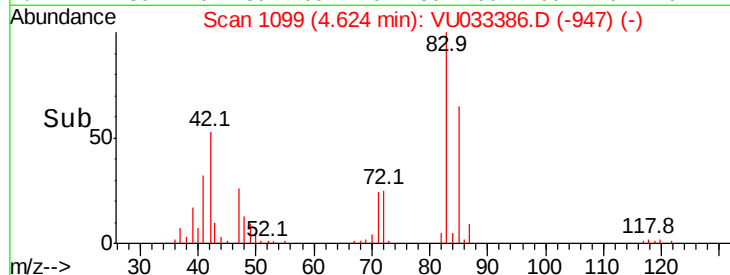
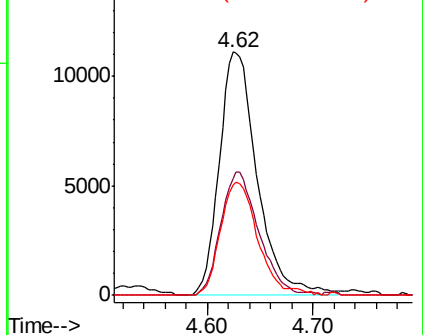
Tot Ion:	42	Resp:	27731
Ion	Ratio	Lower	Upper
42	100		
72	50.7	38.7	58.1
71	45.9	34.6	52.0

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: 10.481 ug/l

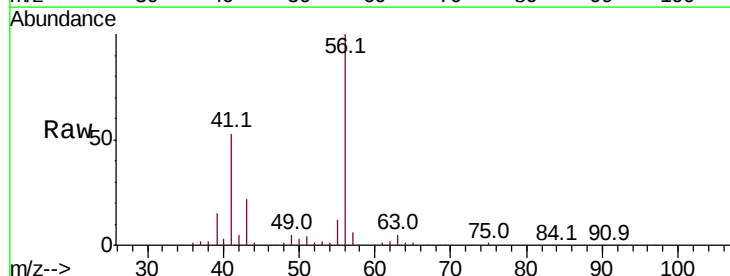
RT: 5.04 min Scan# 1229

Delta R.T. 0.00 min

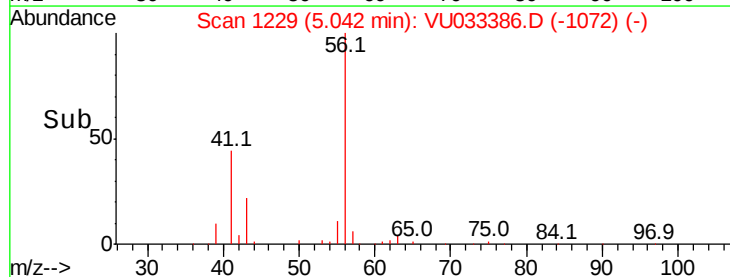
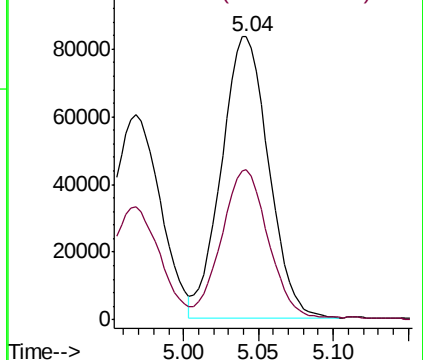
Lab File: VU033386.D

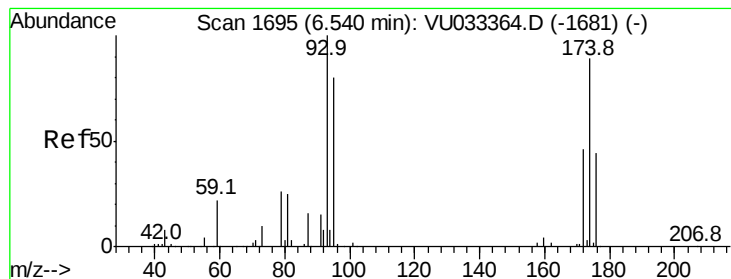
Acq: 24 Jul 2019 11:01

Tgt Ion:	56	Resp:	182403
Ion	Ratio	Lower	Upper
56	100		
41	52.0	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: 9.514 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 93 Resp: 54499

Ion Ratio Lower Upper

93 100

95 84.6 65.3 97.9

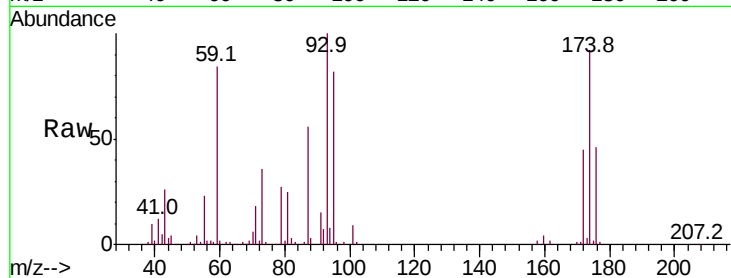
174 92.8 70.7 106.1

Manual Integrations

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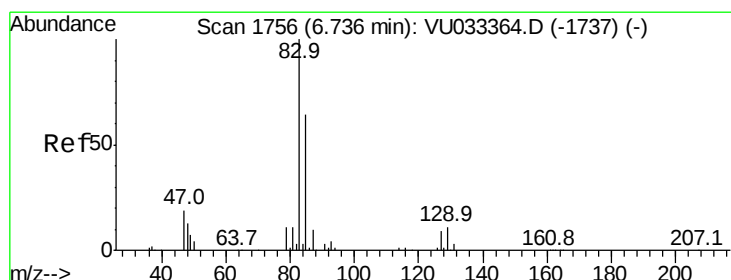
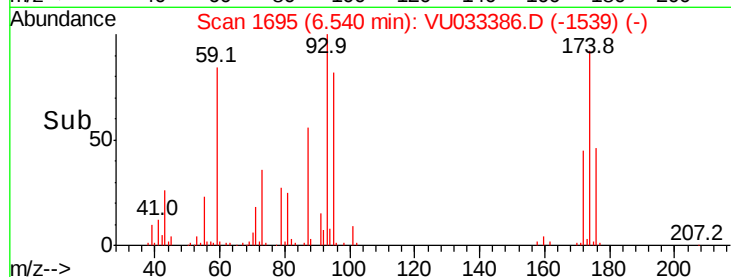
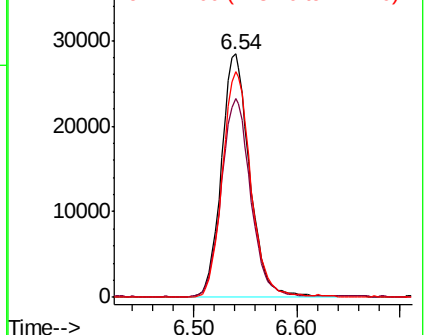
7/25/2019 12:13:03 PM



Abundance Ion 93.00 (92.70 to 93.70): VU033386.D (-1681) (-)

Ion 95.00 (94.70 to 95.70): VU033386.D (-1681) (-)

Ion 174.00 (173.70 to 174.70): VU033386.D (-1681) (-)



#44

Bromodichloromethane

Concen: 10.015 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

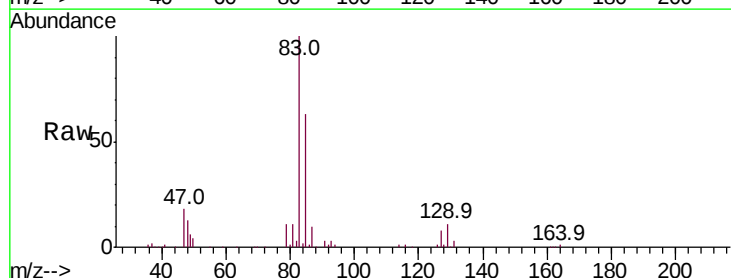
Tgt Ion: 83 Resp: 138323

Ion Ratio Lower Upper

83 100

85 63.1 51.1 76.7

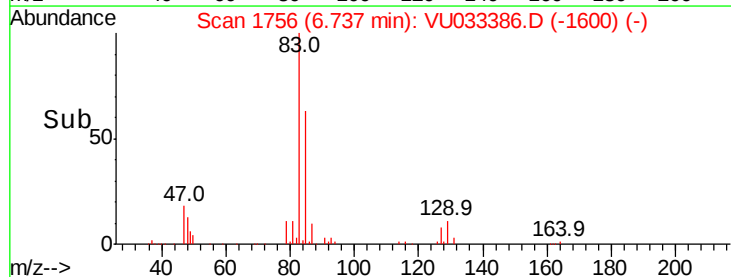
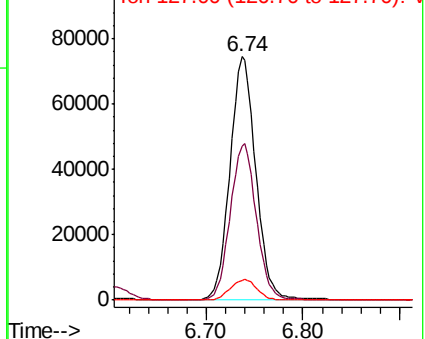
127 8.2 7.2 10.8

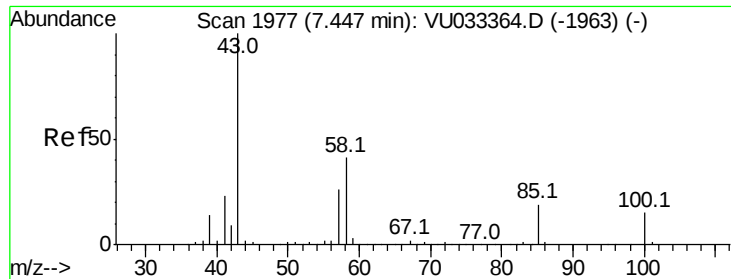


Abundance Ion 83.00 (82.70 to 83.70): VU033386.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VU033386.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VU033386.D (-1600) (-)





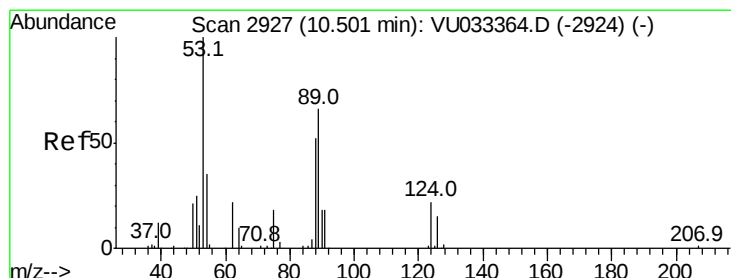
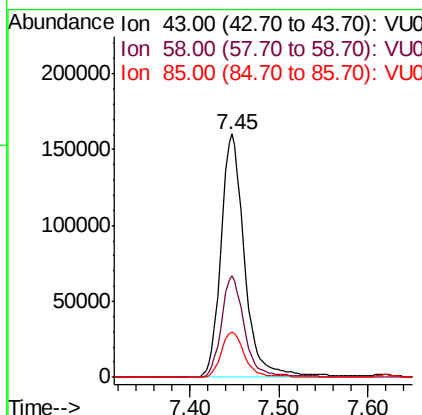
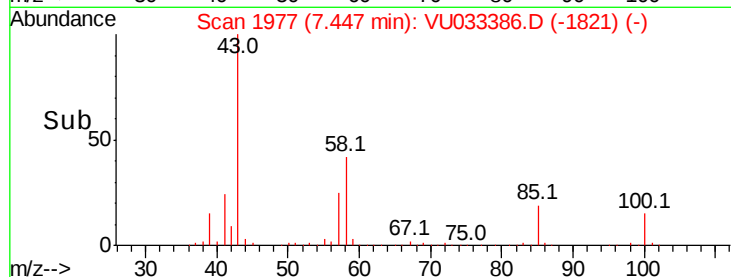
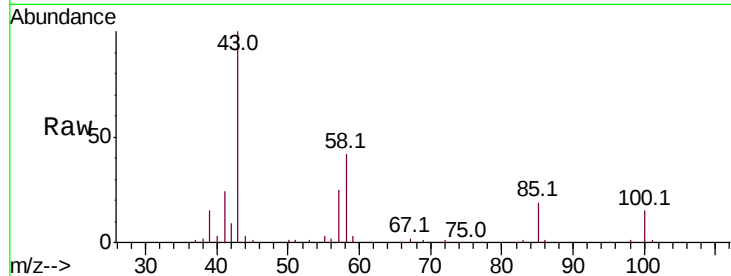
#45
4-Methyl-2-Pentanone
Concen: 50.324 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	294000		
58	41.1	20.3	60.8	
85	18.8	15.0	22.6	

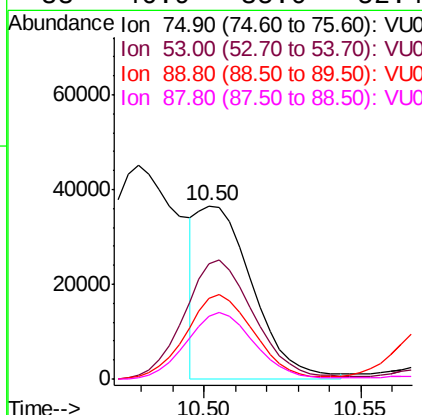
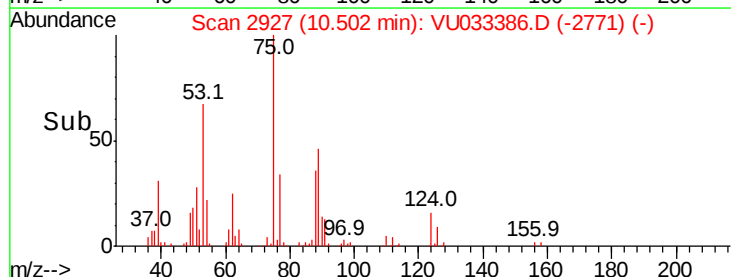
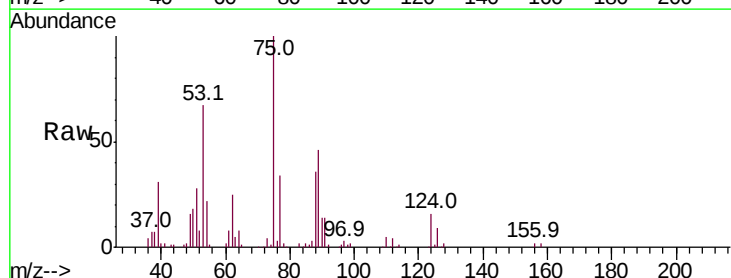
Manual Integrations
APPROVED

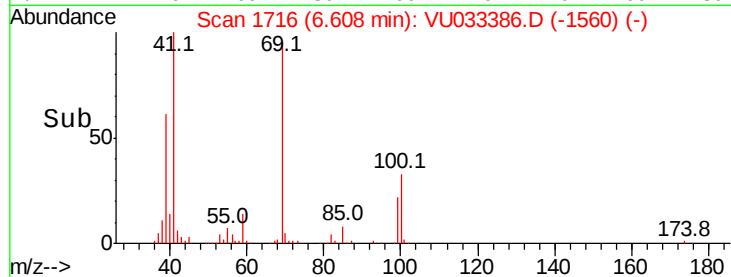
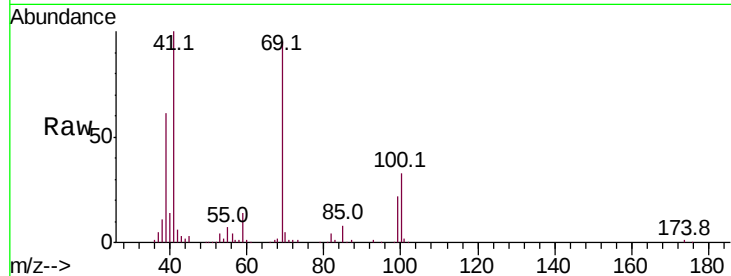
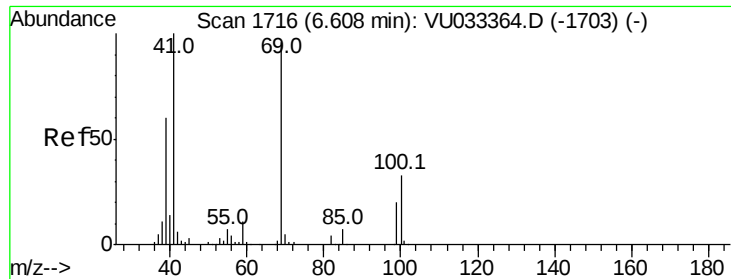
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 19.210 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45292		
53	86.2	62.9	94.3	
89	59.5	43.0	64.4	
88	46.9	35.0	52.4	





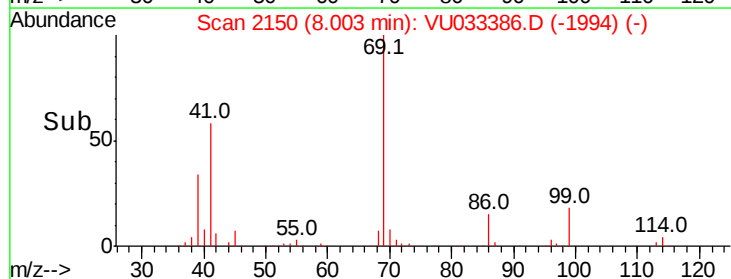
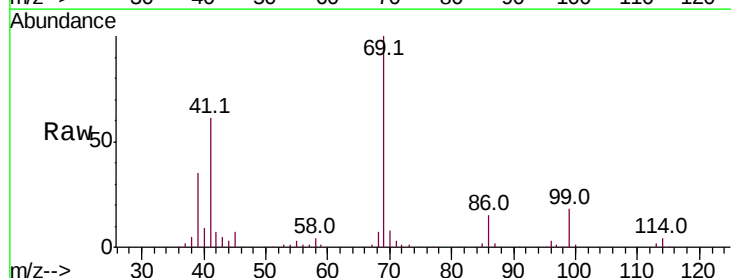
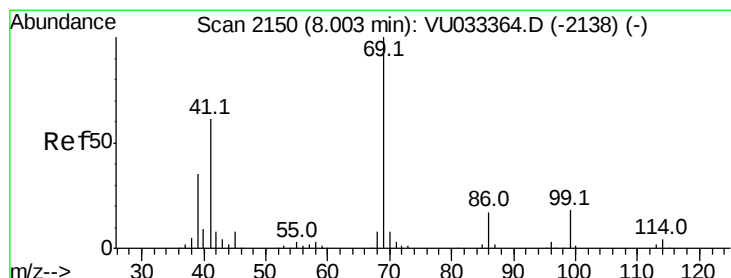
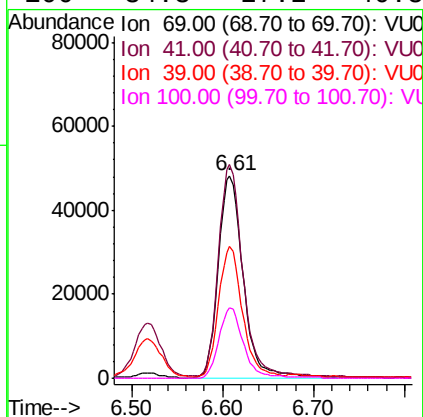
#47
Methyl methacrylate
Concen: 20.963 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tot Ion	Ratio	Lower	Upper
69	100		
41	102.7	0.0	208.2
39	61.0	50.6	75.8
100	34.3	27.2	40.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

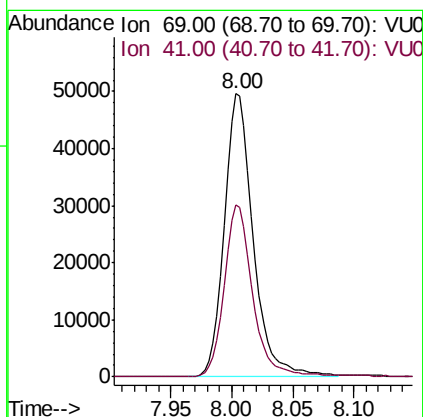
Manual Integrations
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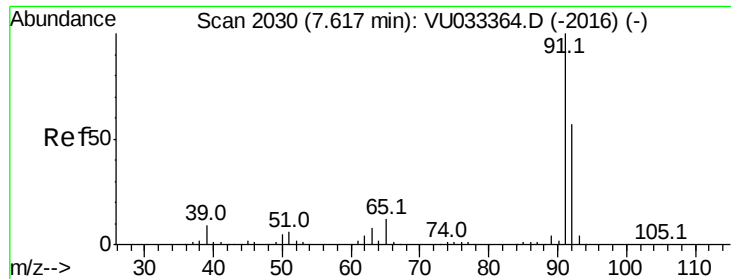
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#48
Ethyl methacrylate
Concen: 10.728 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.8	30.9	92.7





#49

Toluene

Concen: 11.601 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 249230

Ion Ratio Lower Upper

92 100

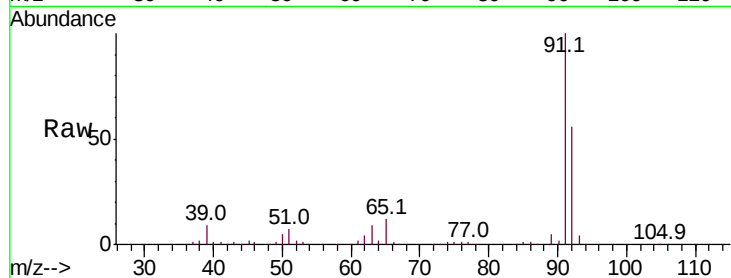
91 177.4 142.1 213.1

Manual Integrations

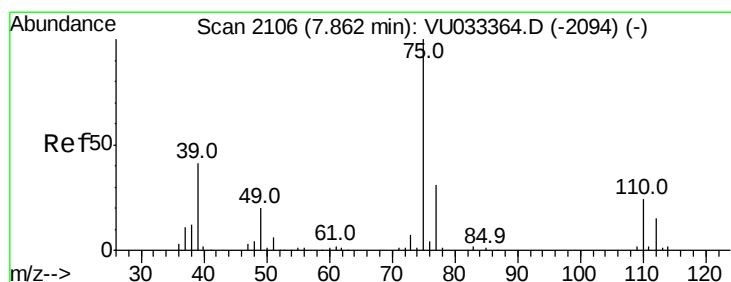
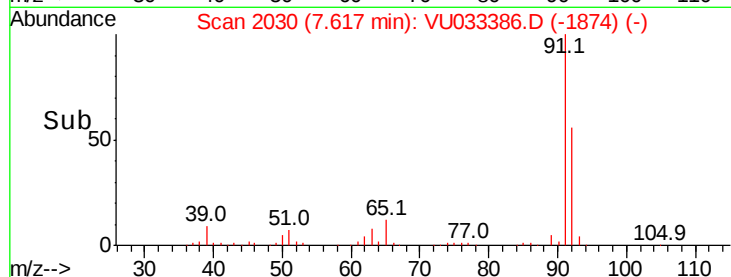
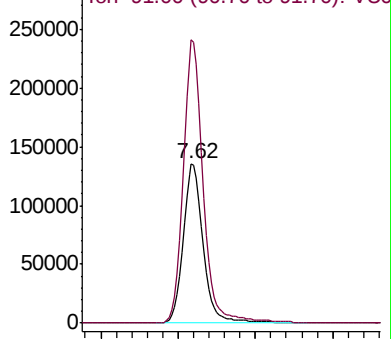
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Abundance Ion 92.00 (91.70 to 92.70): VU033386.D (-1874) (-)



#50

t-1,3-Dichloropropene

Concen: 10.703 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033386.D

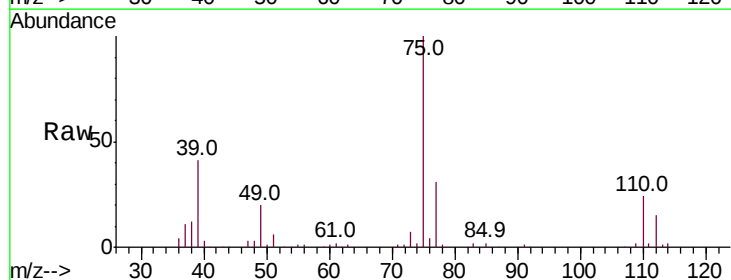
Acq: 24 Jul 2019 11:01

Tgt Ion: 75 Resp: 123295

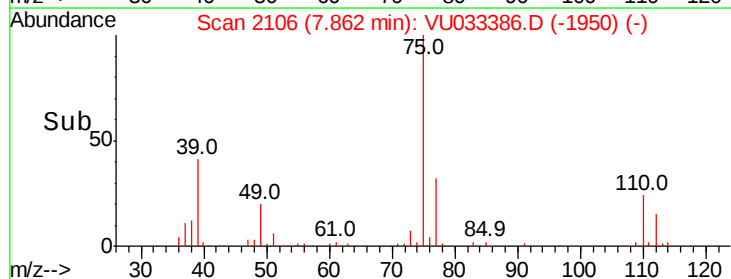
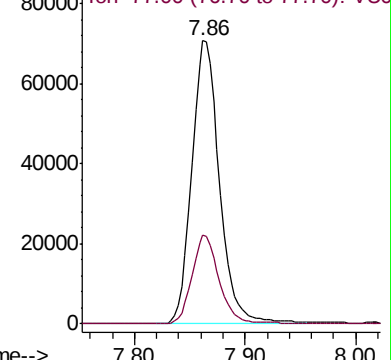
Ion Ratio Lower Upper

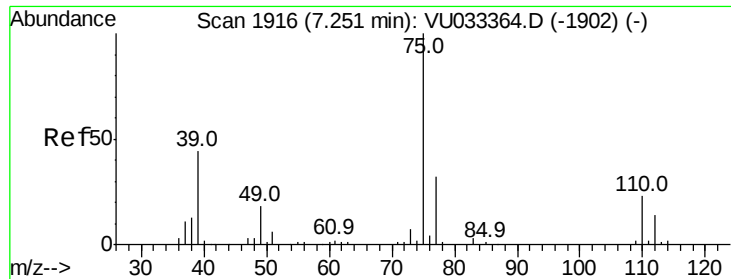
75 100

77 31.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033386.D (-1950) (-)





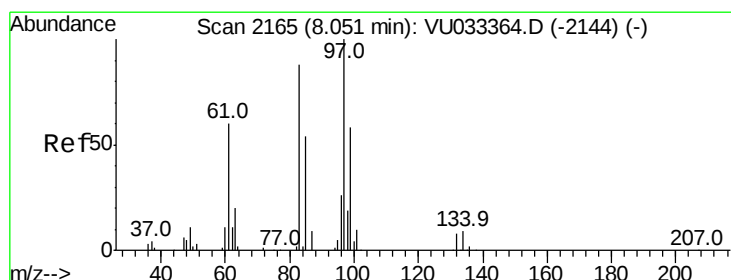
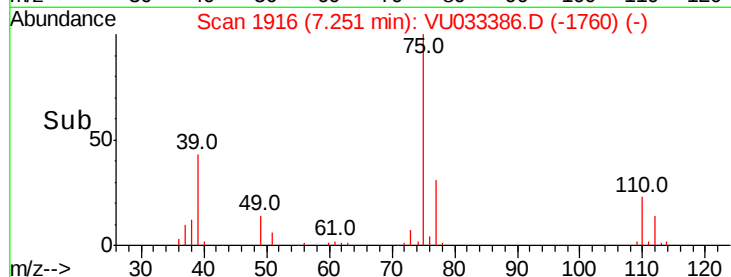
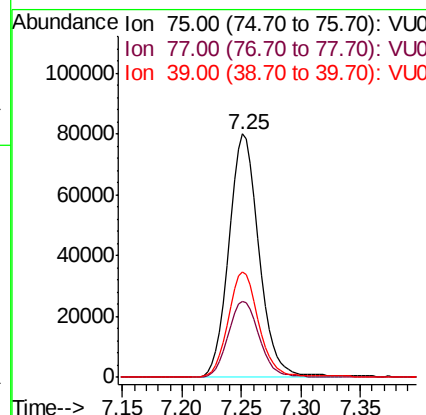
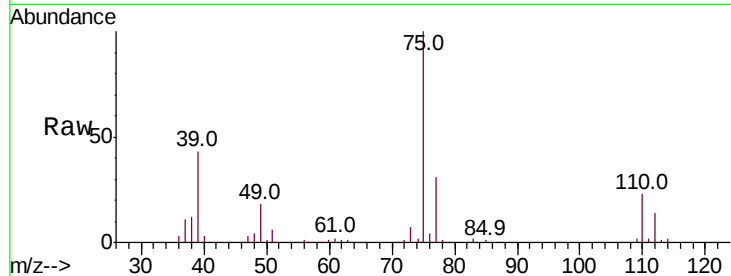
#51
 cis-1,3-Dichloropropene
 Concen: 10.365 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	43.3	35.2	52.8

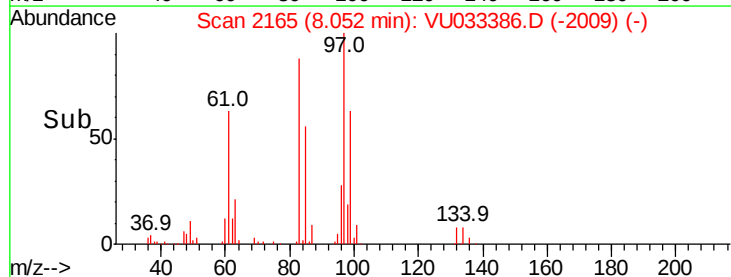
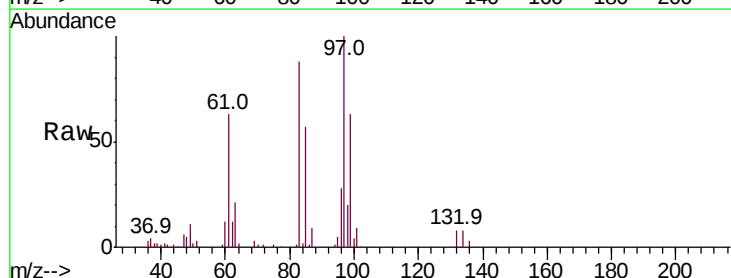
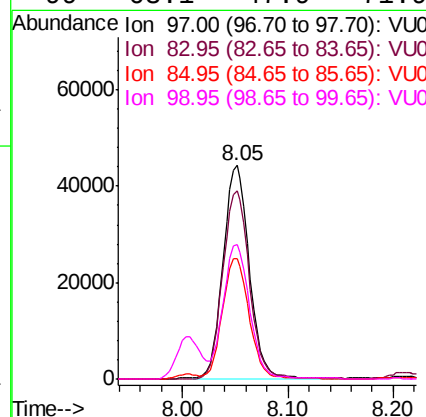
Manual Integrations
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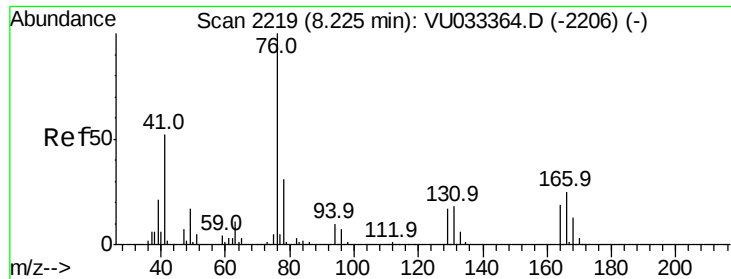
MMDadoda
 7/25/2019 12:13:03 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.838 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.2	105.2
85	56.4	43.5	65.3
99	63.1	47.9	71.9





#53

1,3-Dichloropropane

Concen: 10.129 ug/l

RT: 8.23 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 131033

Ion Ratio Lower Upper

76 100

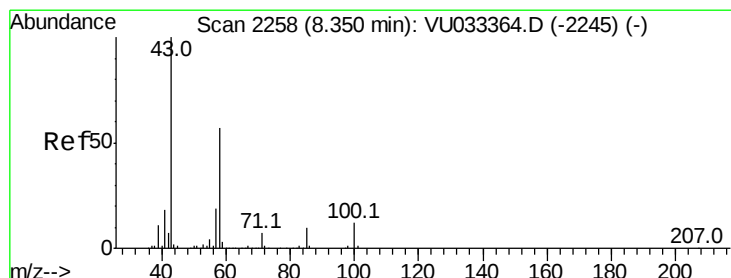
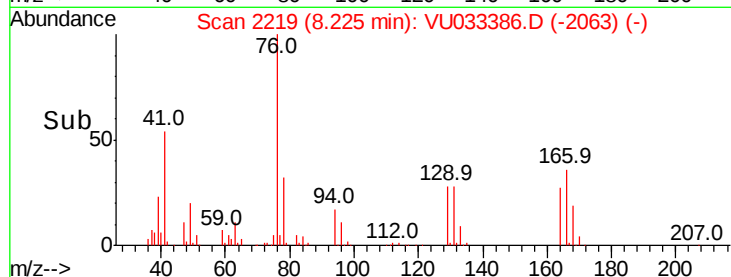
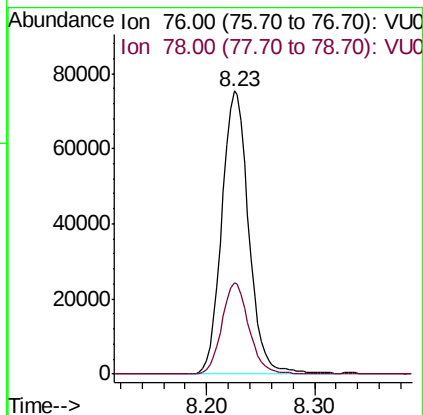
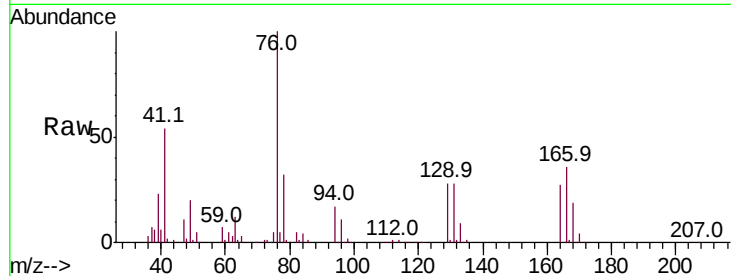
78 32.4 25.7 38.5

Manual Integrations

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7/25/2019 12:13:03 PM



#54

2-Hexanone

Concen: 53.315 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

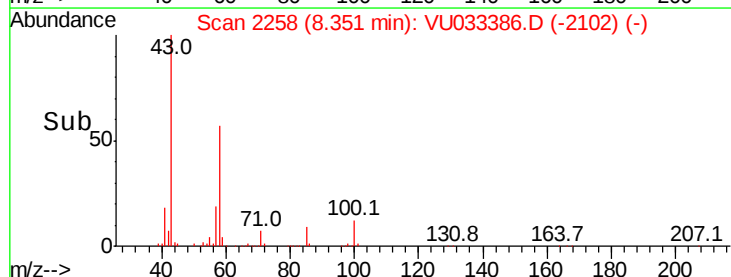
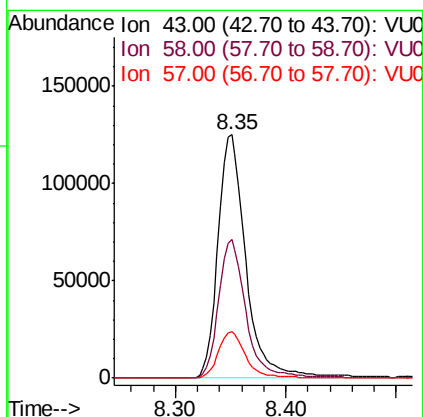
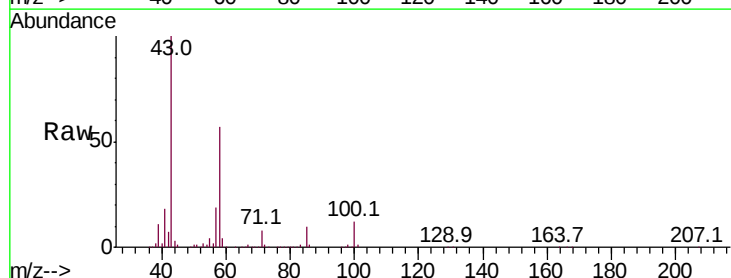
Tgt Ion: 43 Resp: 219256

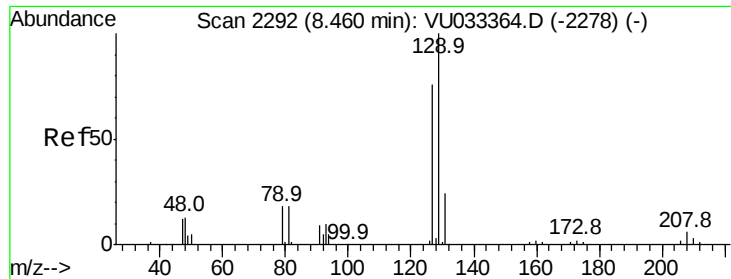
Ion Ratio Lower Upper

43 100

58 56.1 36.0 76.0

57 18.9 0.0 39.4





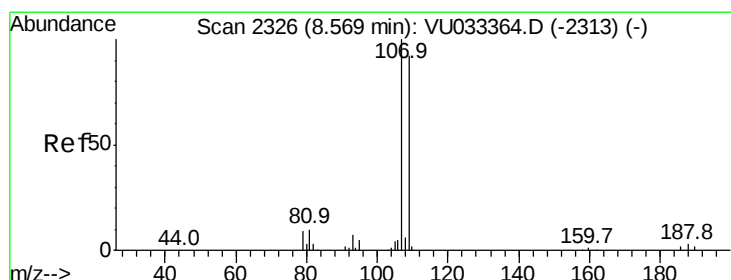
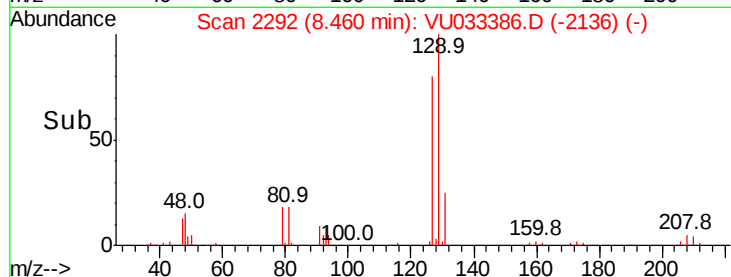
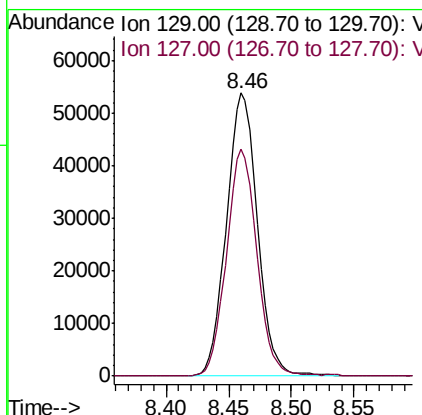
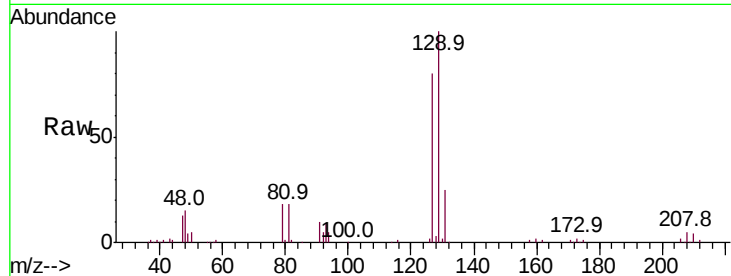
#55
Dibromochloromethane
Concen: 10.320 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:129 Resp: 92282
Ion Ratio Lower Upper
129 100
127 78.7 60.9 91.3

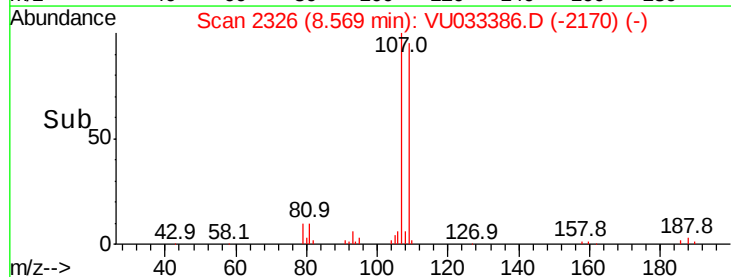
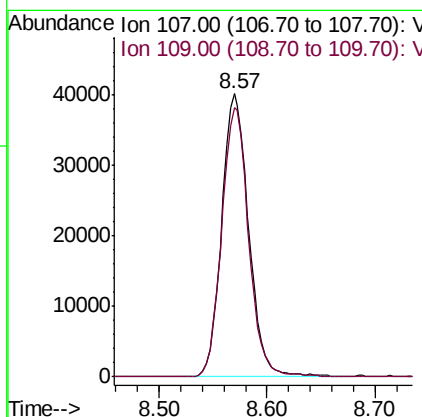
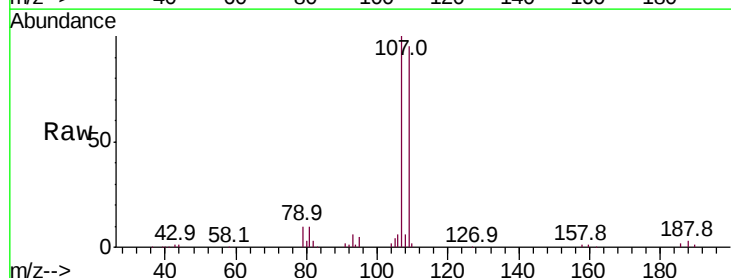
Manual Integrations
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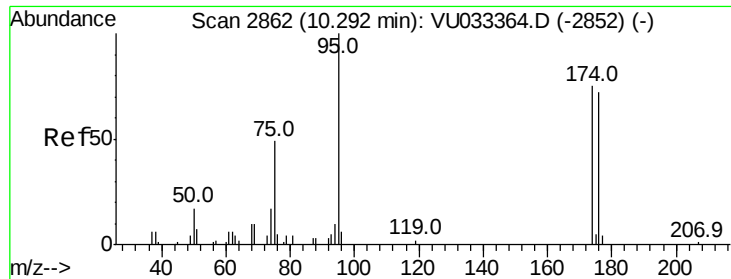
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#56
1,2-Dibromoethane
Concen: 9.773 ug/l
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion:107 Resp: 69739
Ion Ratio Lower Upper
107 100
109 95.5 0.0 184.8





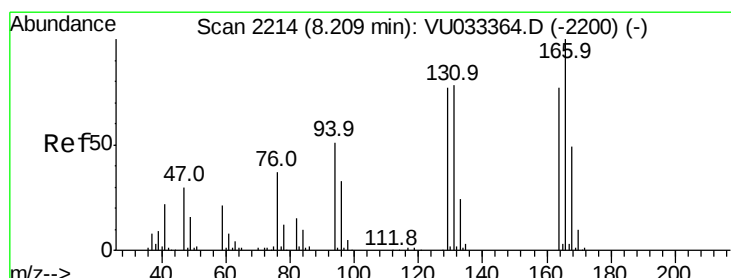
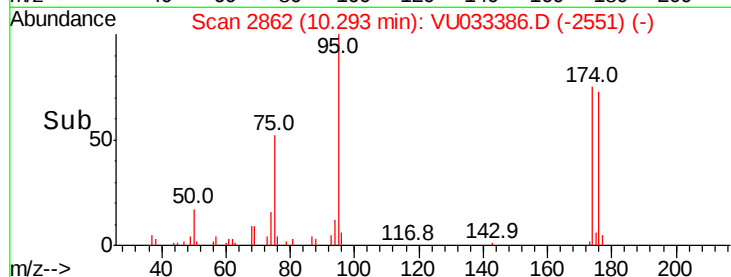
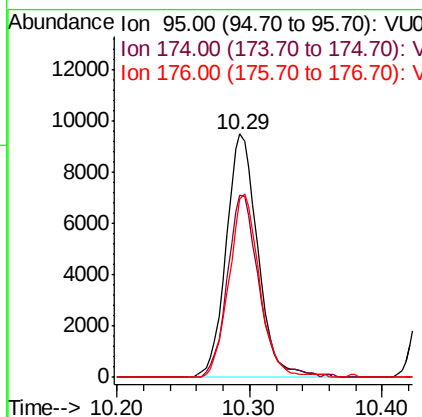
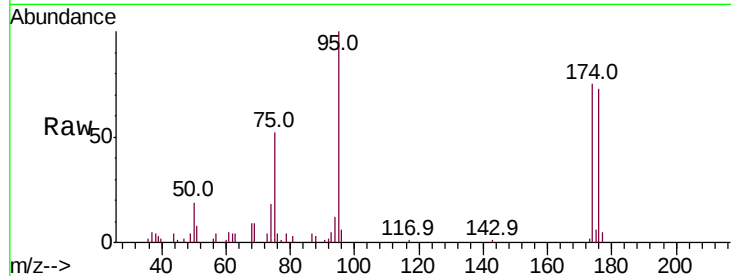
#57
4-Bromofluorobenzene
Concen: 1.279 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 95 Resp: 15770
Ion Ratio Lower Upper
95 100
174 74.8 58.8 88.2
176 72.4 54.4 81.6

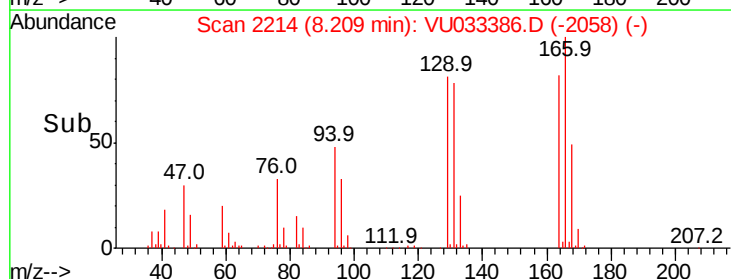
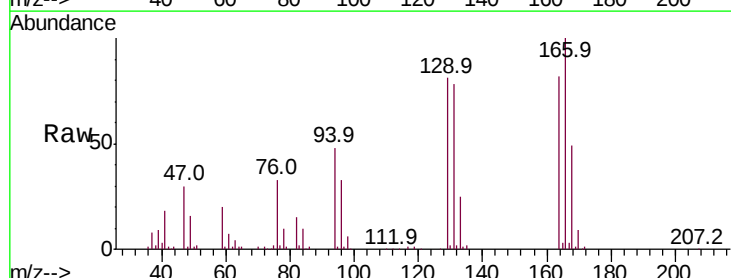
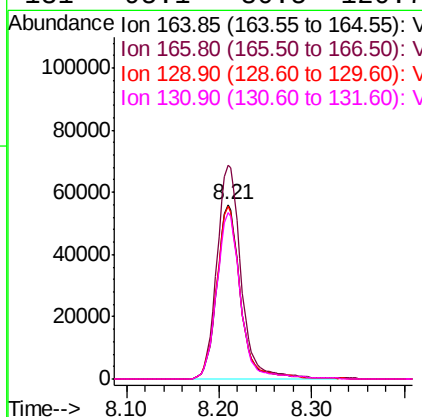
Manual Integrations
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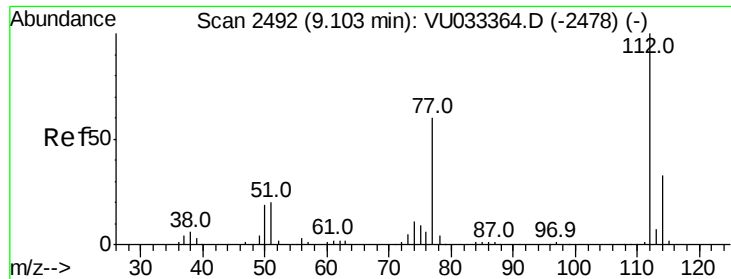
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#58
Tetrachloroethene
Concen: 11.044 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion: 164 Resp: 99131
Ion Ratio Lower Upper
164 100
166 122.4 103.8 155.6
129 99.1 79.7 119.5
131 95.1 80.5 120.7





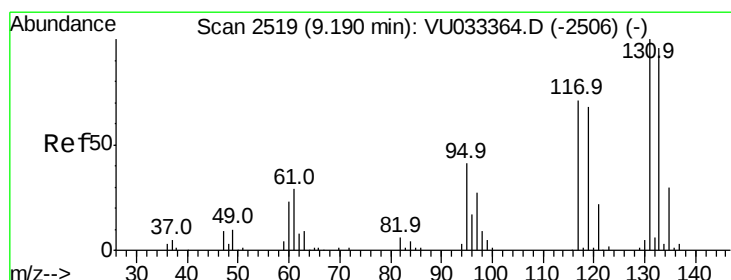
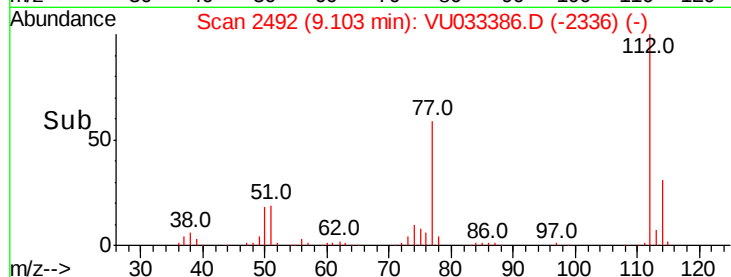
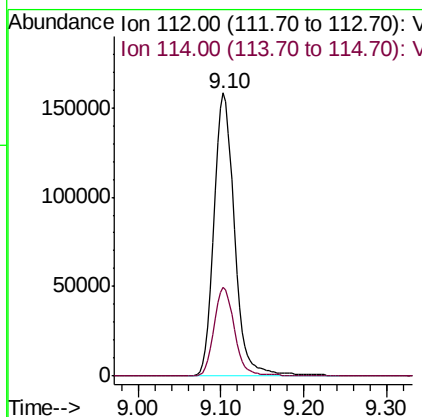
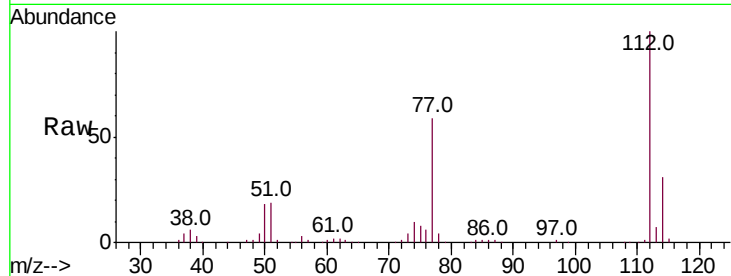
#59
Chlorobenzene
Concen: 11.085 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 273024
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6

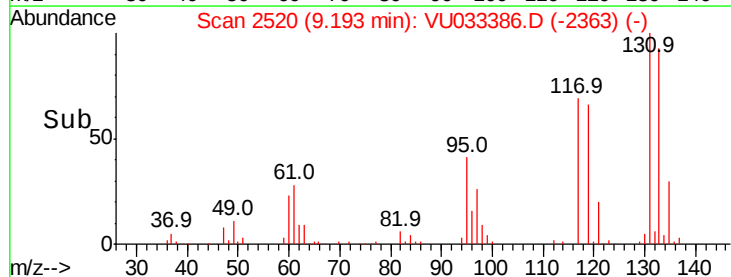
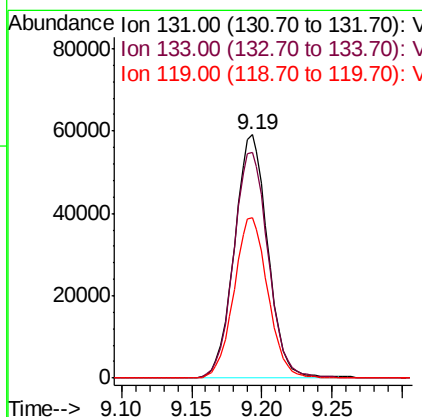
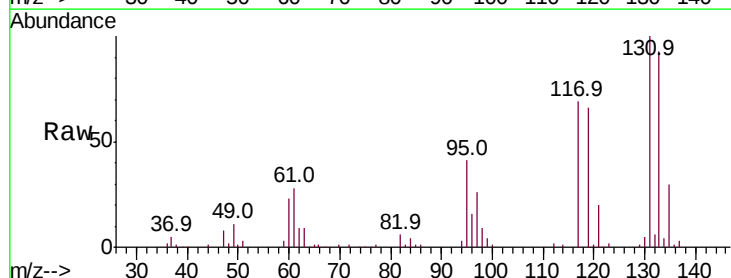
Manual Integrations
APPROVED

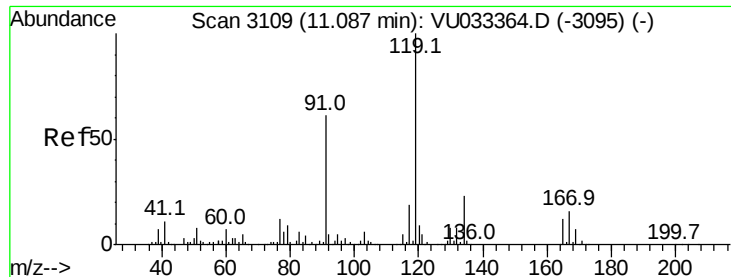
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7/25/2019 12:13:03 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.500 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion:131 Resp: 98203
Ion Ratio Lower Upper
131 100
133 95.5 76.2 114.4
119 66.9 54.9 82.3





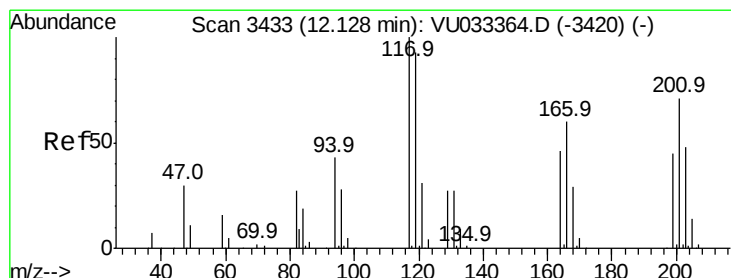
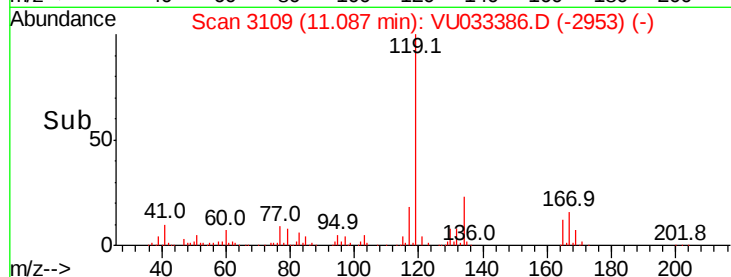
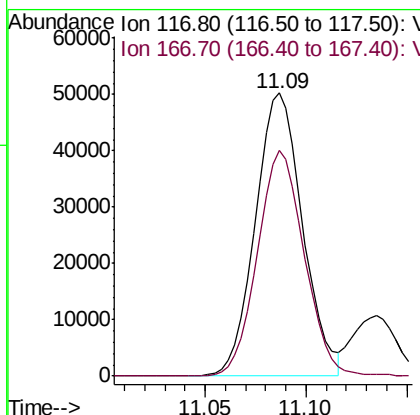
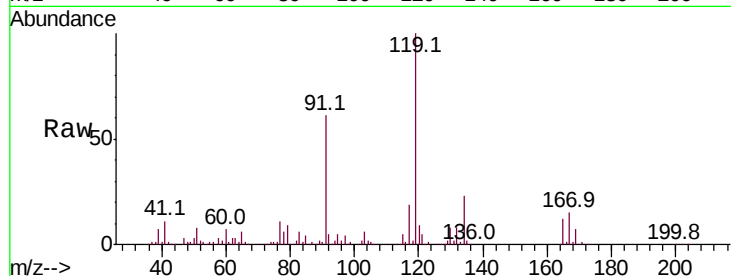
#61
 Pentachloroethane
 Concen: 10.698 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
167	78.9	63.4	95.0

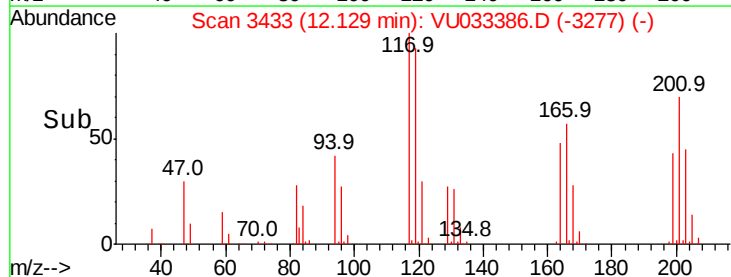
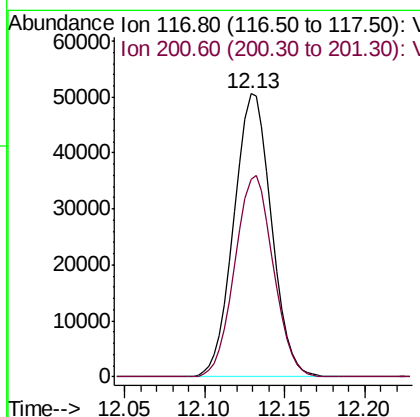
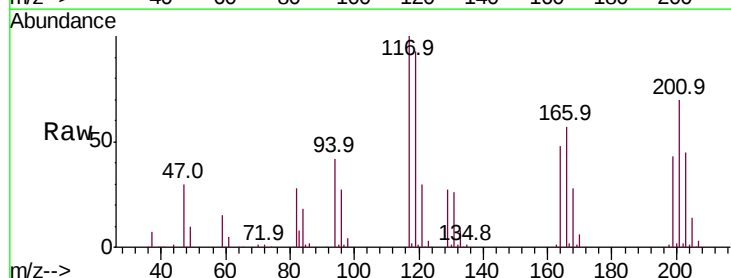
Manual Integrations
 APPROVED

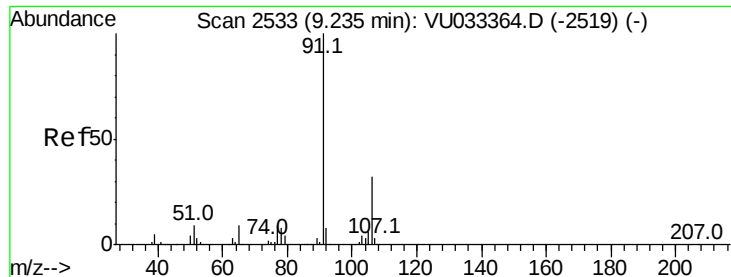
MMDadoda
 7/25/2019 12:13:03 PM



#62
 Hexachloroethane
 Concen: 10.895 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	57.9	86.9





#63

Ethyl Benzene

Concen: 11.908 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 470962

Ion Ratio Lower Upper

91 100

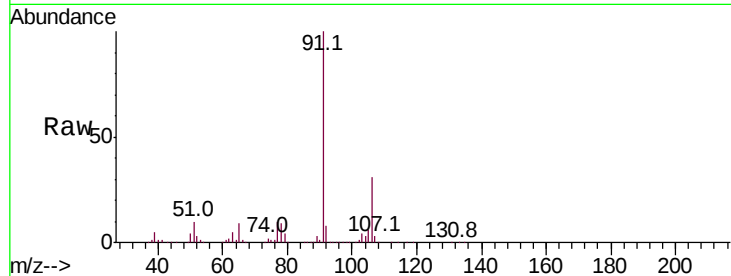
106 31.0 25.4 38.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU033364.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033364.D (-2519) (-)

500000

400000

300000

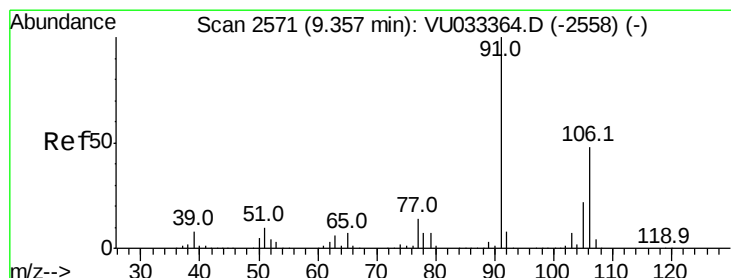
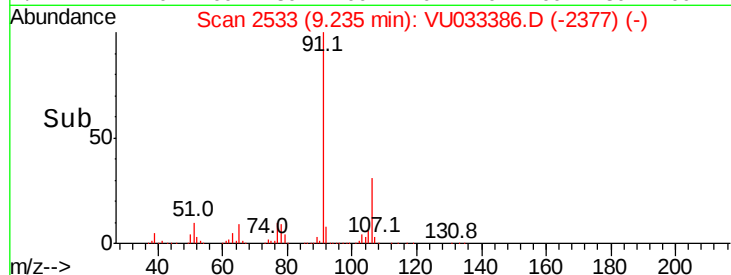
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 24.834 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033386.D

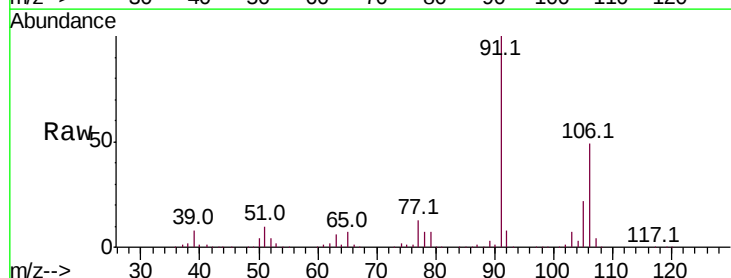
Acq: 24 Jul 2019 11:01

Tgt Ion: 106 Resp: 392688

Ion Ratio Lower Upper

106 100

91 204.6 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VU033364.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033364.D (-2558) (-)

500000

400000

300000

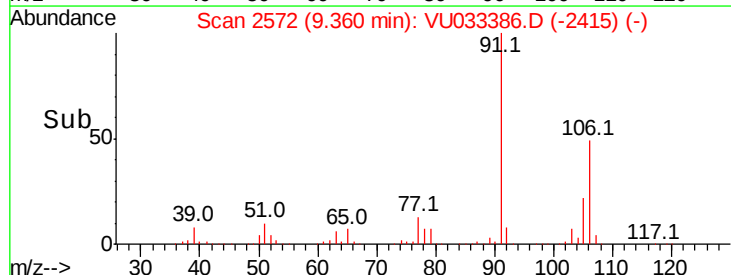
200000

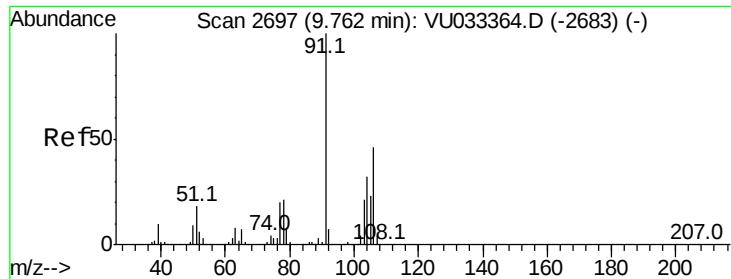
100000

0

9.30 9.40 9.50

Time-->





#65

o-Xylene

Concen: 11.914 ug/l

RT: 9.77 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion:106 Resp: 180519

Ion Ratio Lower Upper

106 100

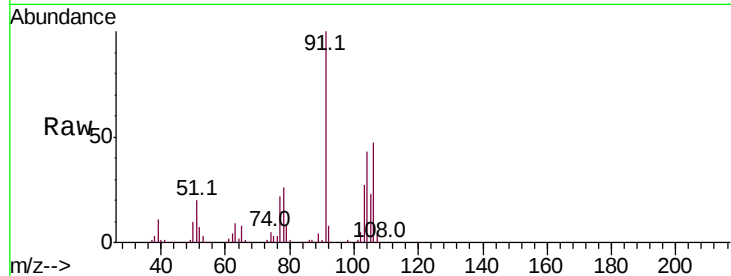
91 214.5 108.5 325.3

Manual Integrations

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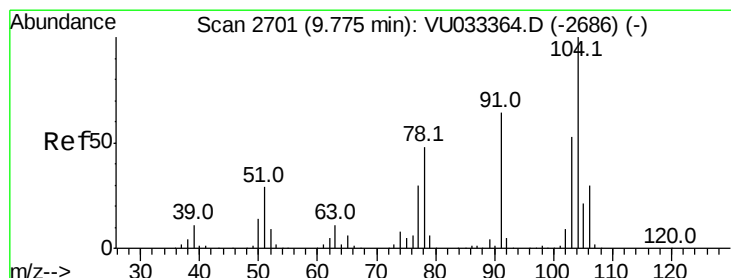
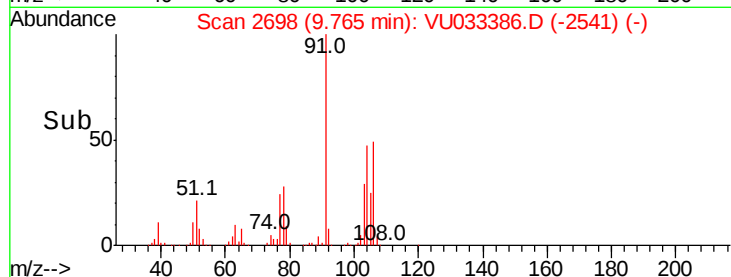
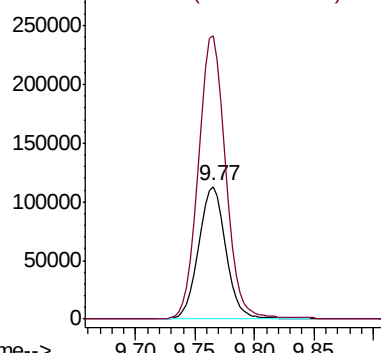
MMDadoda

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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: 12.449 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

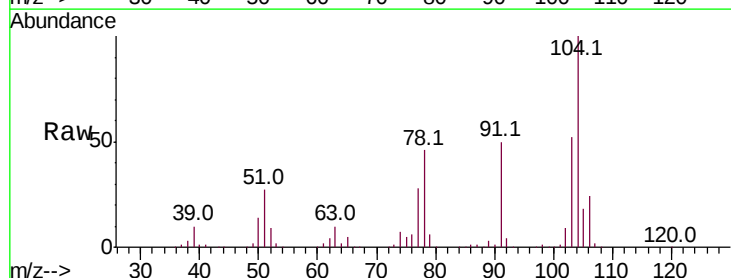
Tgt Ion:104 Resp: 319981

Ion Ratio Lower Upper

104 100

78 51.1 41.2 61.8

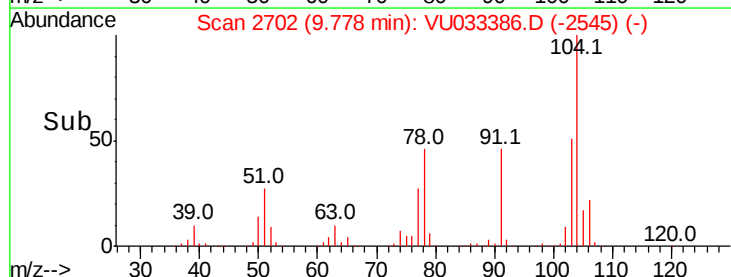
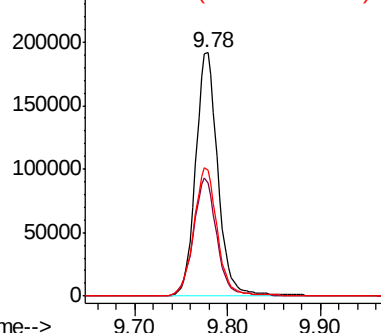
103 55.6 44.7 67.1

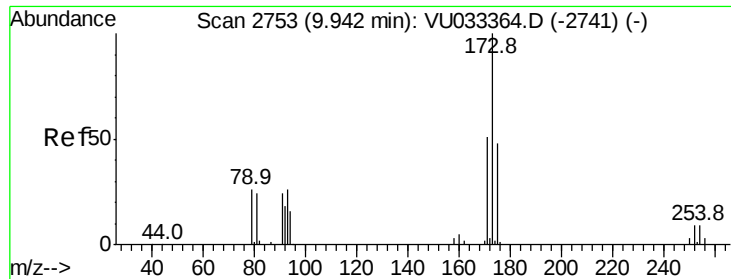


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





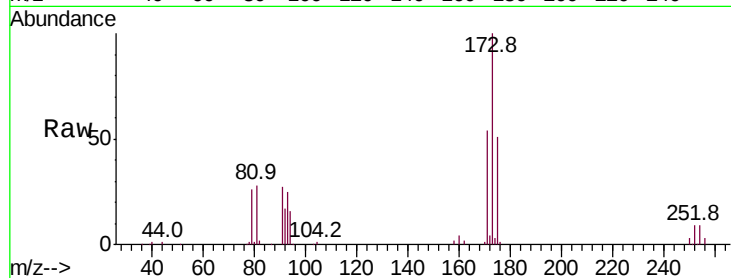
#67
Bromoform
Concen: 10.618 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
254	8.8	6.8	10.2

Manual Integrations
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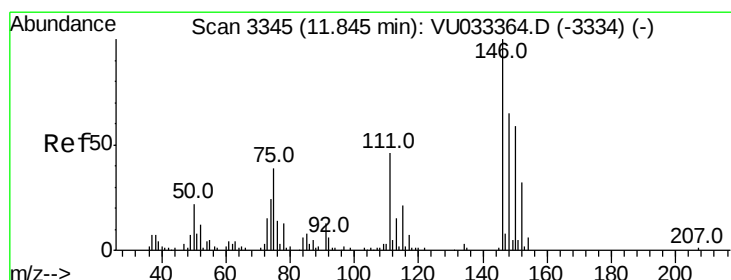
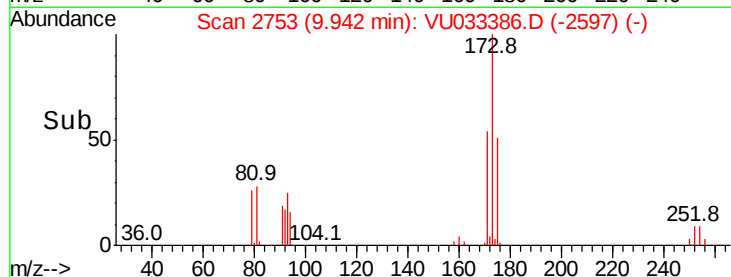
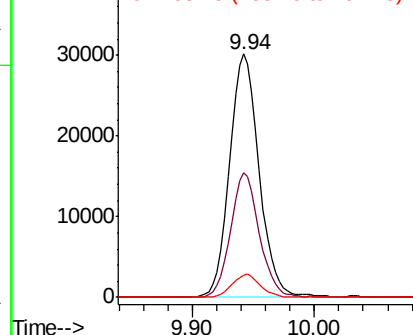


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 1.044 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

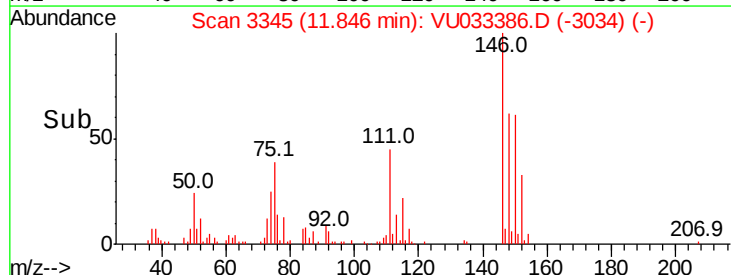
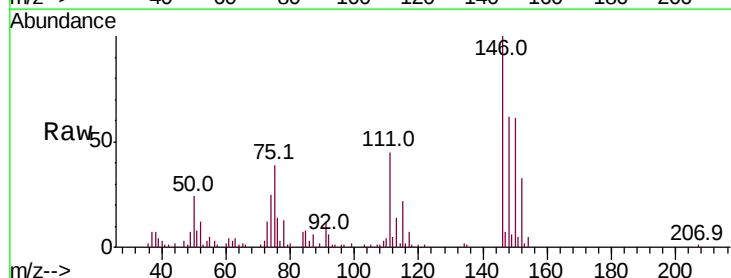
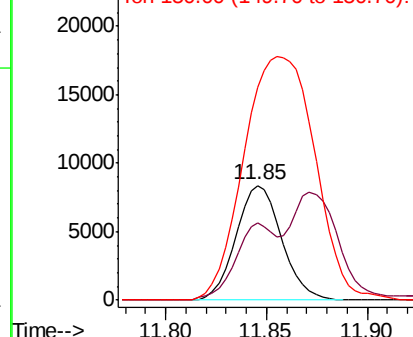
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	0.0	123.2
150	328.4	0.0	648.4

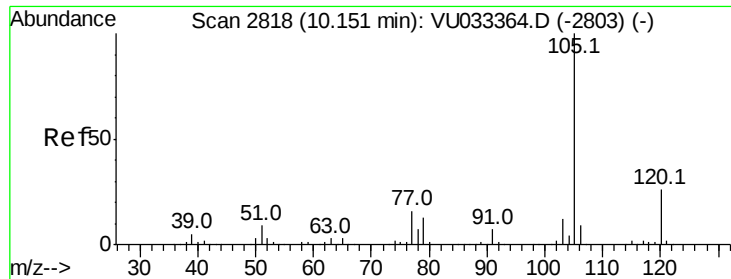
Abundance

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





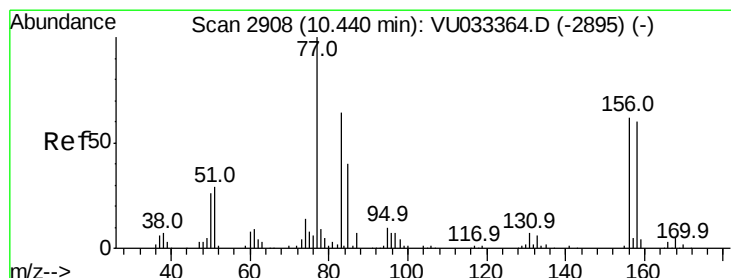
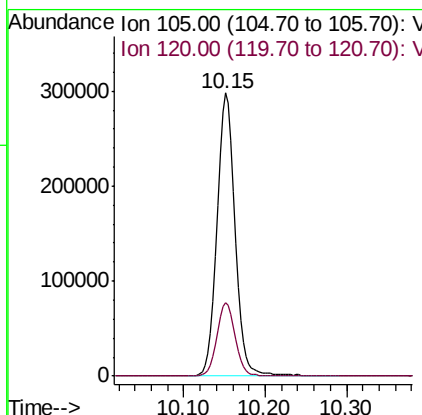
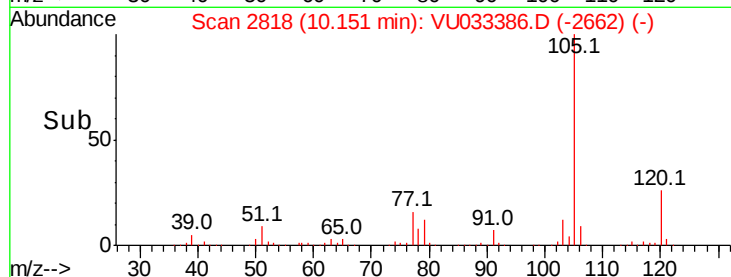
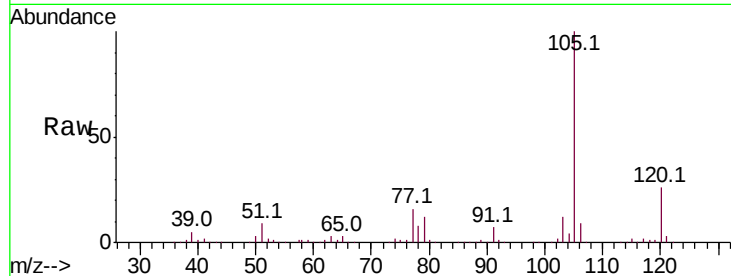
#69
Isopropylbenzene
Concen: 12.110 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1

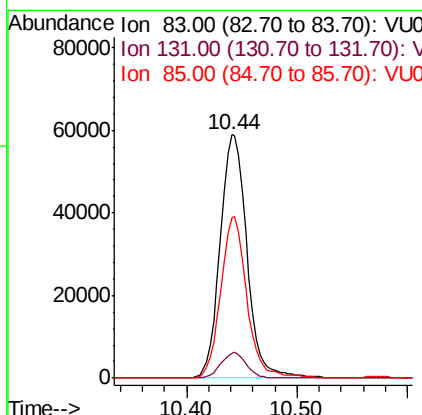
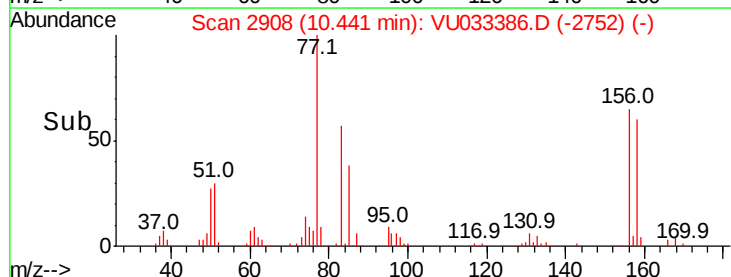
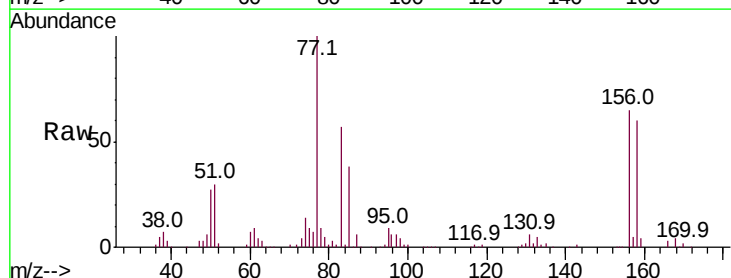
Manual Integrations
APPROVED

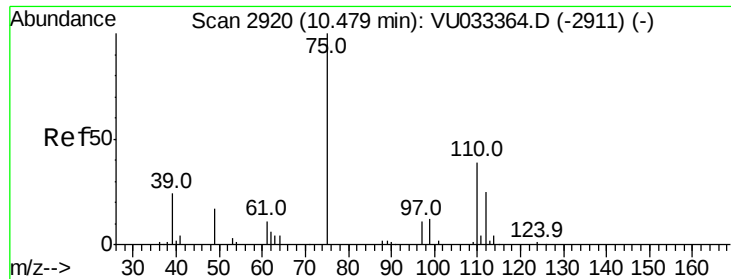
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#70
1,1,2,2-Tetrachloroethane
Concen: 9.806 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	8.0	12.0
85	64.4	51.8	77.8





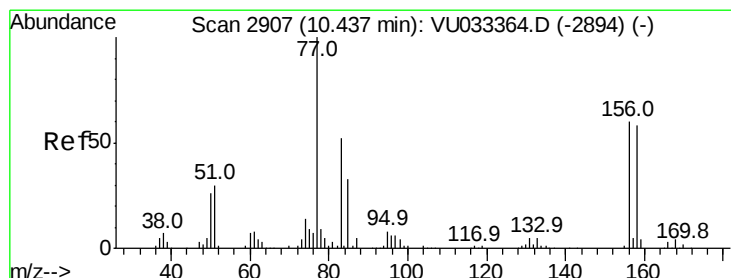
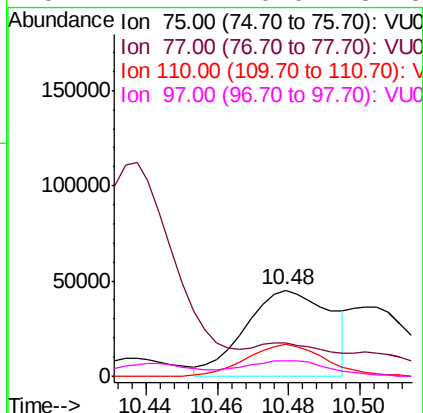
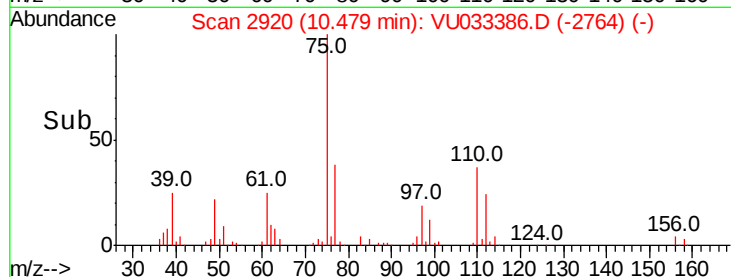
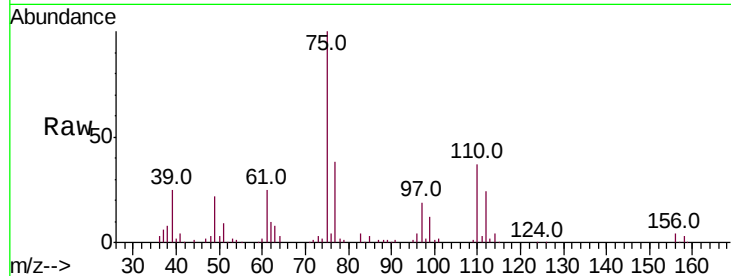
#71
1,2,3-Trichloropropane
Concen: 9.738 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	34.3	0.0	71.4
97	17.7	0.0	37.8

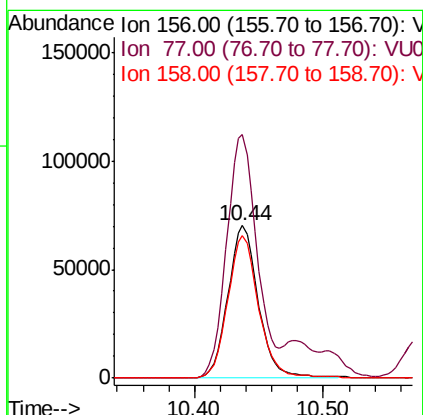
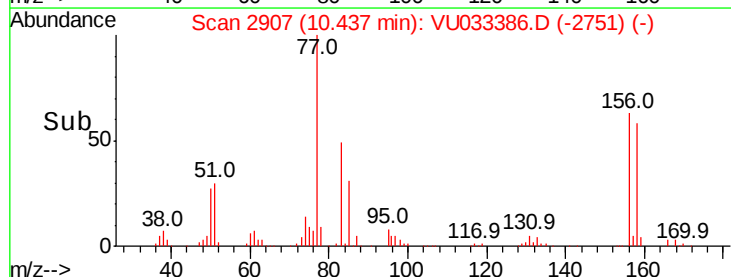
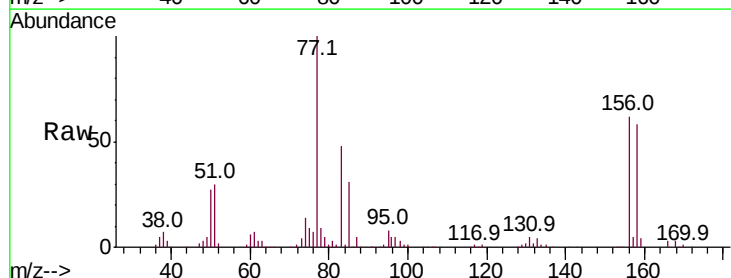
Manual Integrations
APPROVED

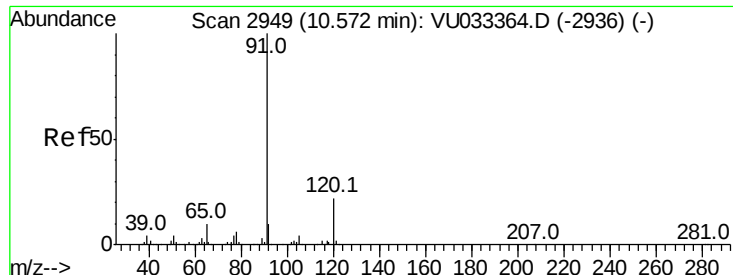
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7/25/2019 12:13:03 PM



#72
Bromobenzene
Concen: 11.175 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	161.1	0.0	324.4
158	95.3	0.0	192.4





#73

n-propylbenzene

Concen: 12.652 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 140119

Ion Ratio Lower Upper

120 100

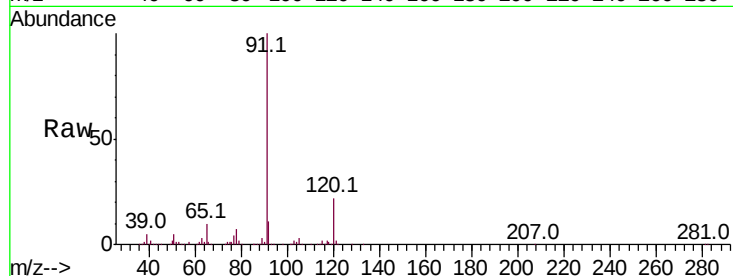
91 441.8 355.1 532.7

Manual Integrations

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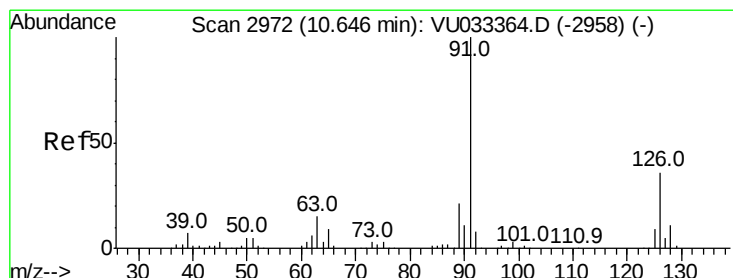
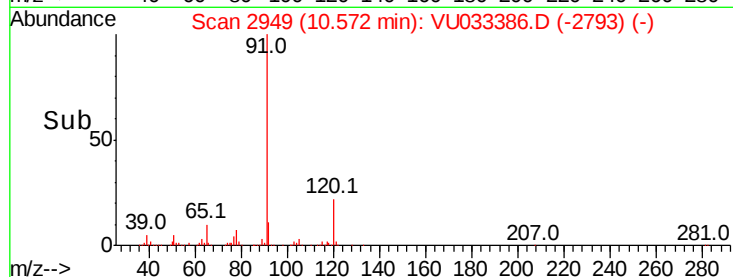
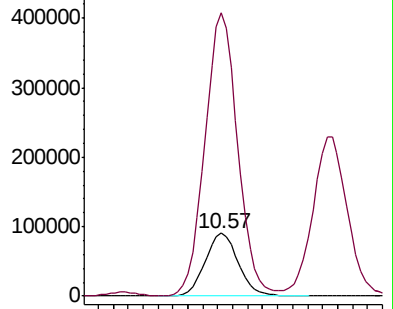
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 12.244 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033386.D

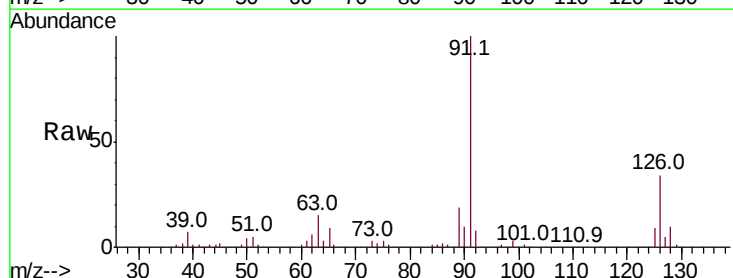
Acq: 24 Jul 2019 11:01

Tgt Ion:126 Resp: 123785

Ion Ratio Lower Upper

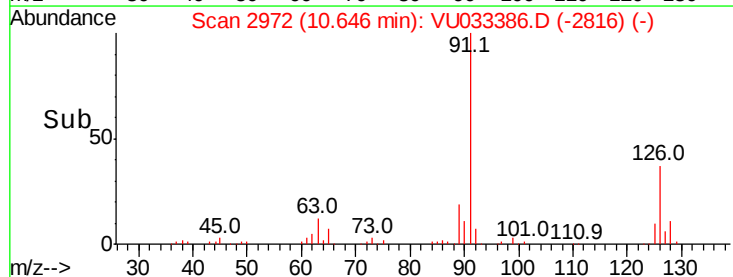
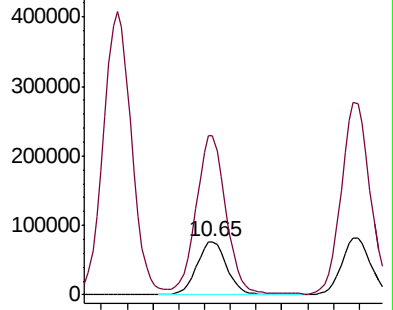
126 100

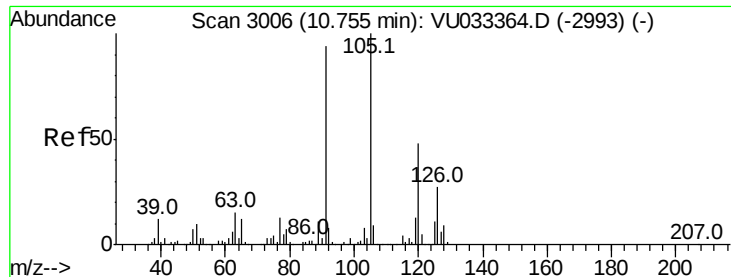
91 299.2 0.0 598.0



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: 12.779 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 445778

Ion Ratio Lower Upper

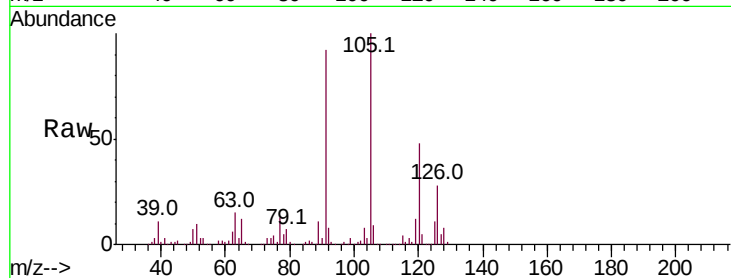
105 100

120 48.0 38.2 57.4

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

Ion 120.00 (119.70 to 120.70): V

10.76

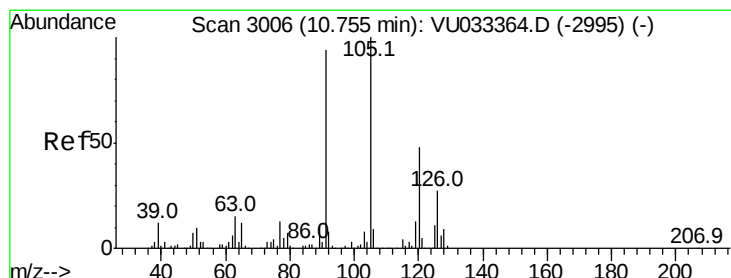
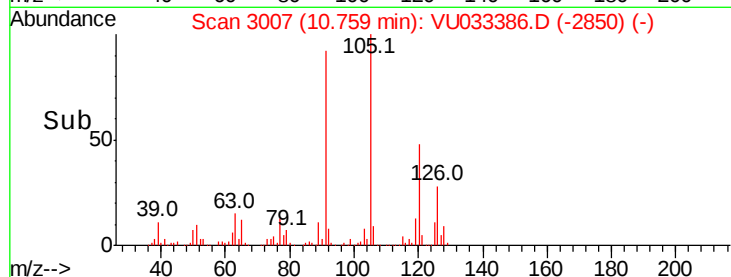
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 12.398 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033386.D

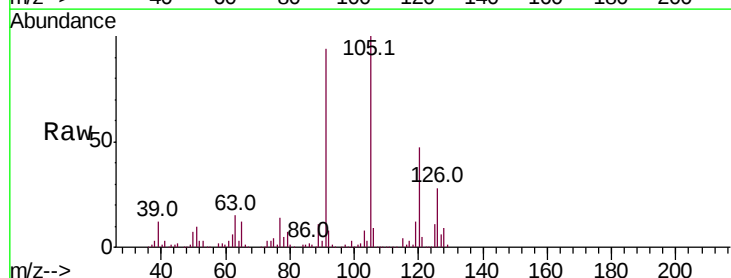
Acq: 24 Jul 2019 11:01

Tgt Ion:126 Resp: 130606

Ion Ratio Lower Upper

126 100

91 333.1 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.76

300000

250000

200000

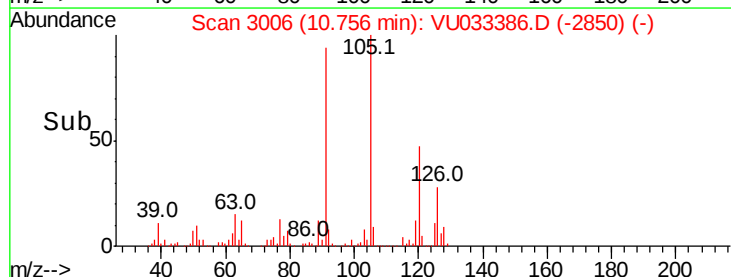
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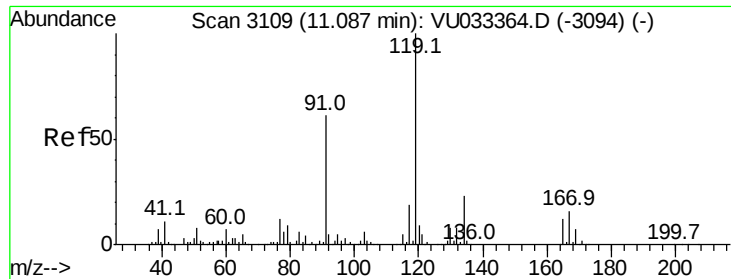
100000

50000

0

Time-->





#77

tert-Butylbenzene

Concen: 12.033 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

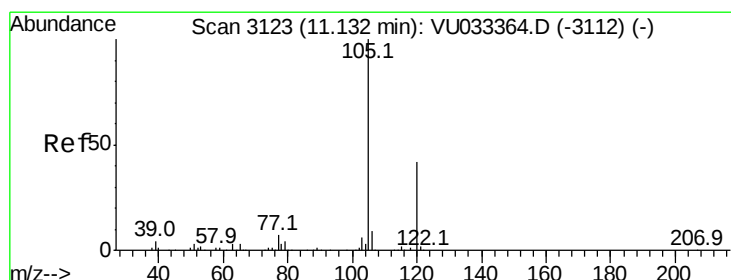
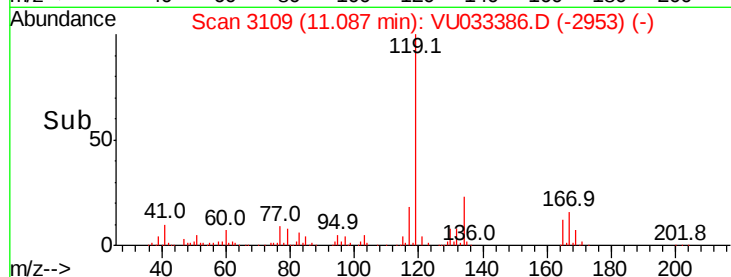
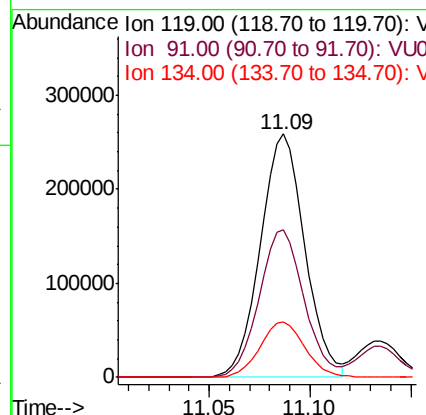
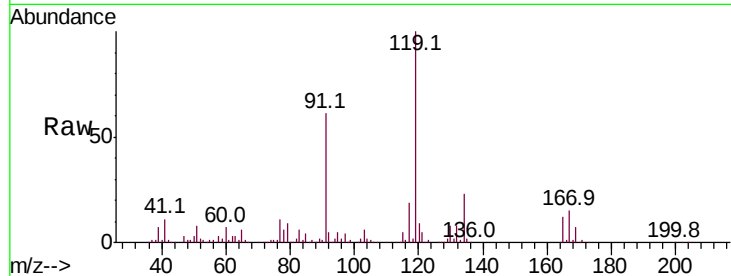
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.4	91.3
134	23.3	18.5	27.7

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7/25/2019 12:13:03 PM



#78

1,2,4-Trimethylbenzene

Concen: 12.904 ug/l

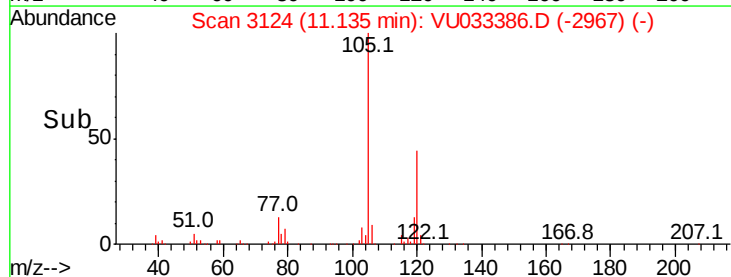
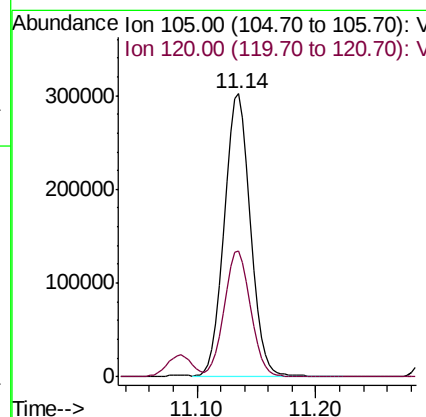
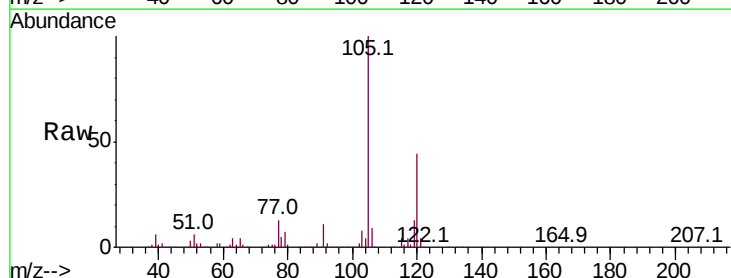
RT: 11.14 min Scan# 3124

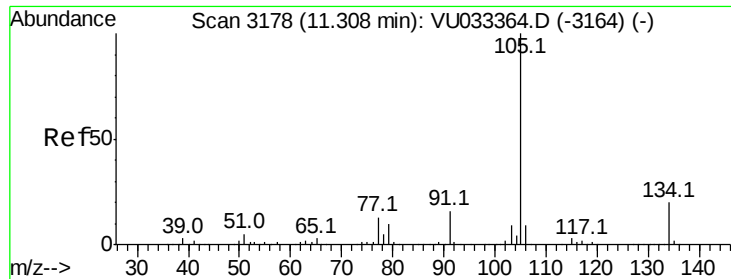
Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





#79

sec-Butylbenzene

Concen: 12.390 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 563751

Ion Ratio Lower Upper

105 100

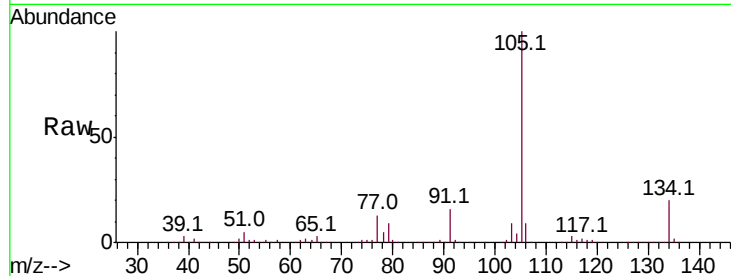
134 20.1 15.5 23.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

400000

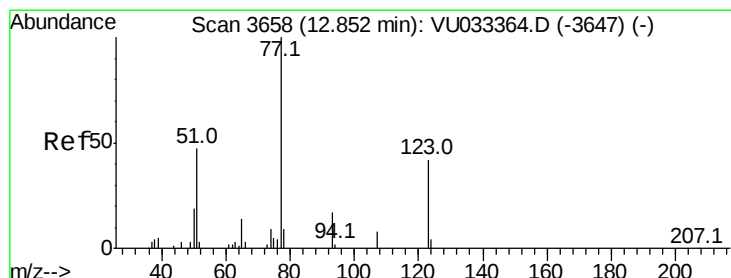
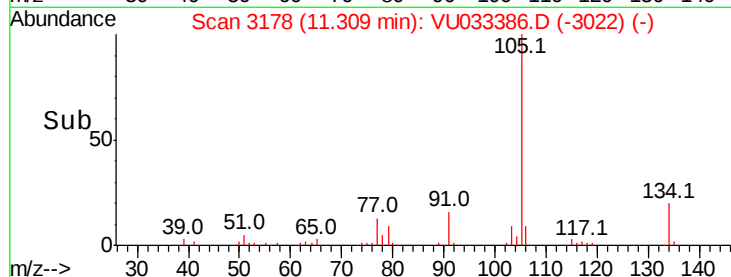
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#80

Nitrobenzene

Concen: 32.474 ug/l

RT: 12.85 min Scan# 3658

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

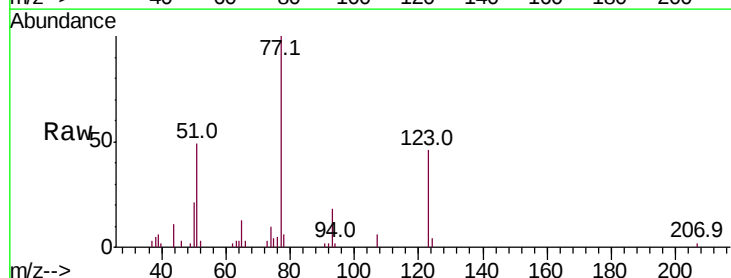
Tgt Ion: 77 Resp: 13695

Ion Ratio Lower Upper

77 100

123 39.8 19.3 68.3

65 12.9 10.1 12.9#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.85

8000

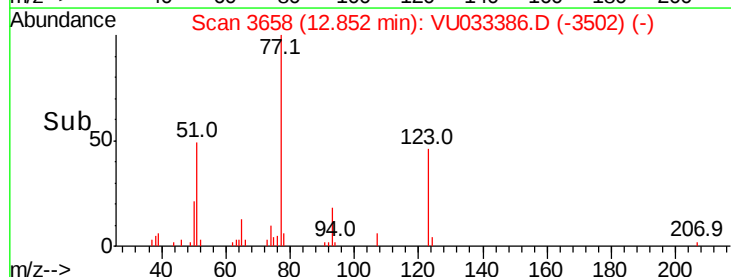
6000

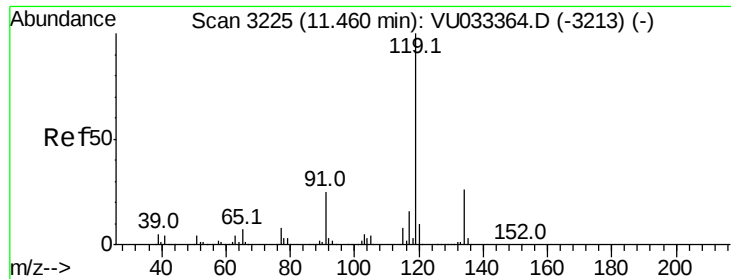
4000

2000

0

Time--> 12.80 12.85 12.90 12.95





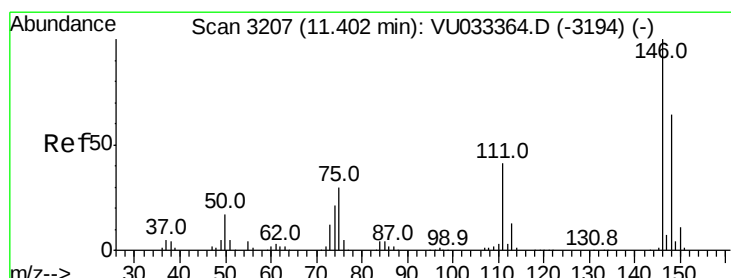
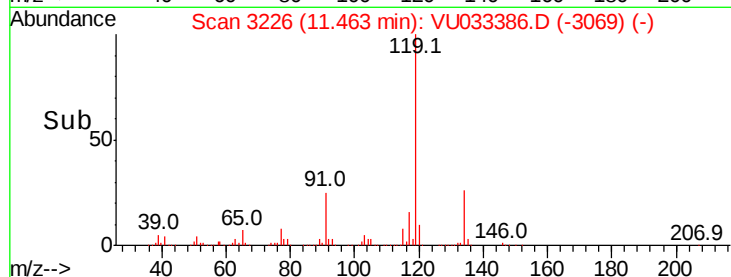
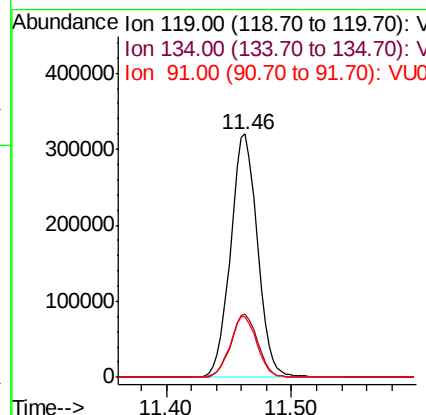
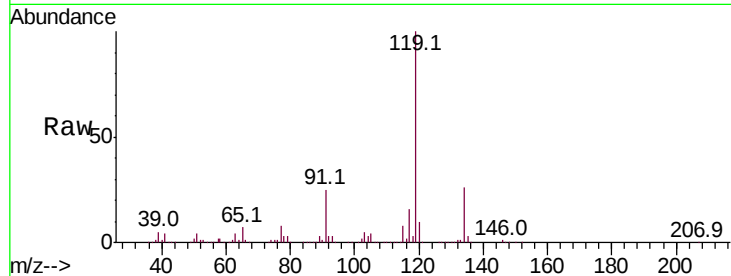
#81
p-Isopropyltoluene
Concen: 12.839 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	474986		
134	26.1		21.0	31.4
91	25.0		19.8	29.6

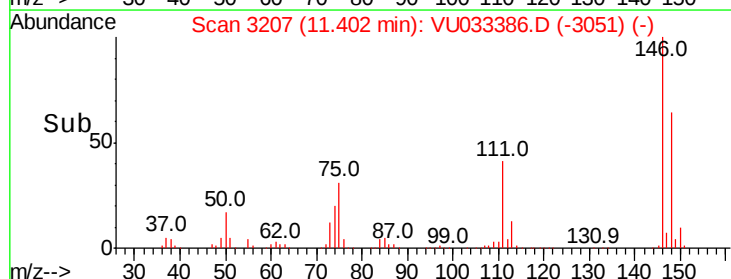
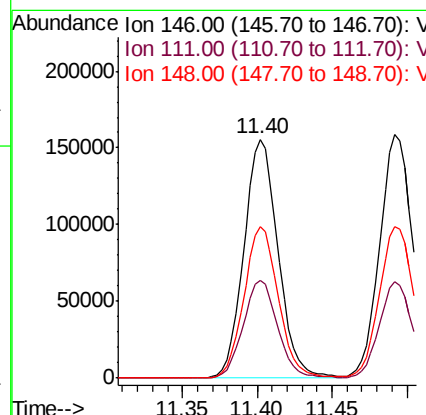
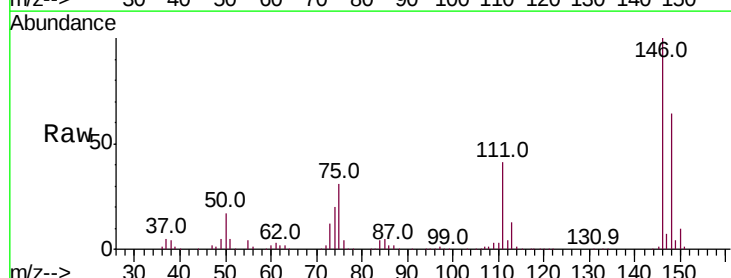
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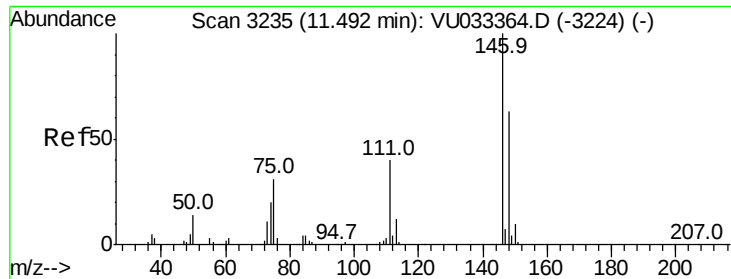
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#82
1,3-Dichlorobenzene
Concen: 11.339 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	247360		
111	41.1		33.3	49.9
148	63.6		50.8	76.2





#83

1,4-Dichlorobenzene

Concen: 11.596 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

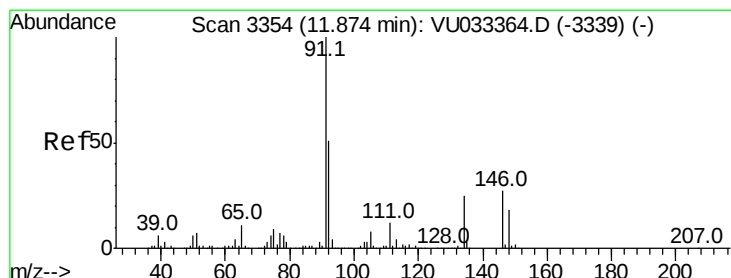
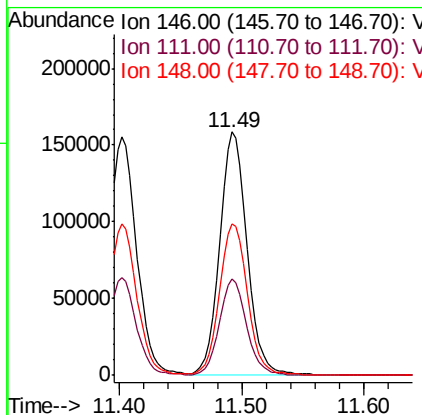
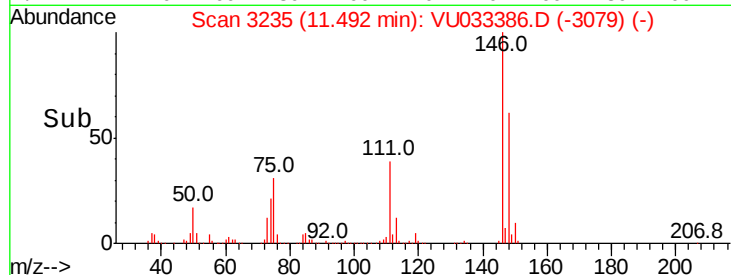
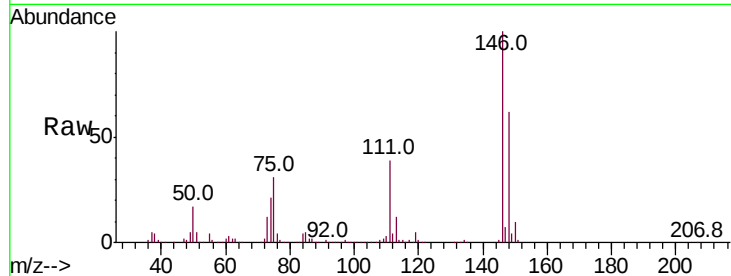
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	250251
Ion Ratio	Lower	Upper	
146	100		
111	39.2	32.2	48.4
148	63.8	51.0	76.4

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#84

n-Butylbenzene

Concen: 12.722 ug/l

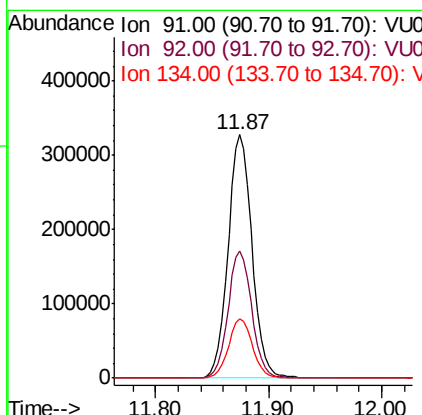
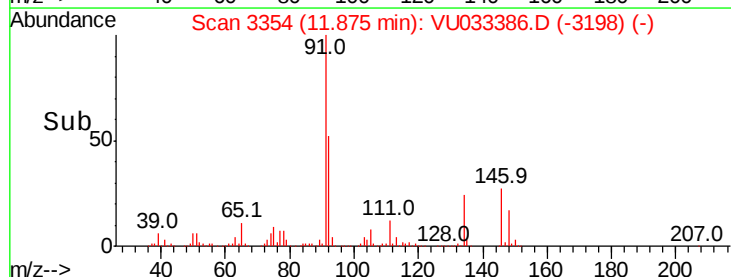
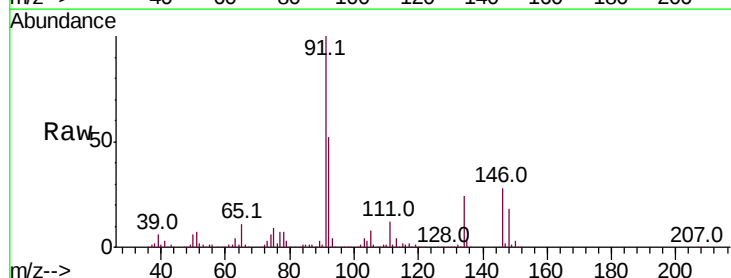
RT: 11.87 min Scan# 3354

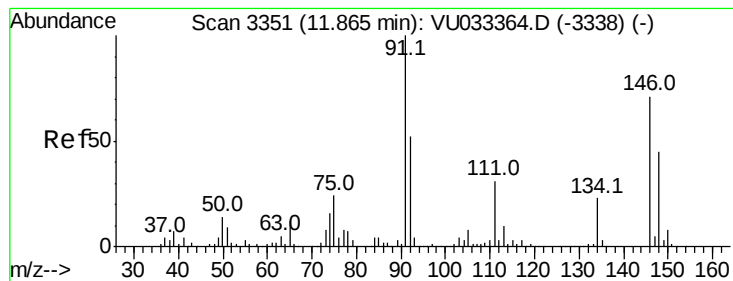
Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tgt Ion:	91	Resp:	481624
Ion Ratio	Lower	Upper	
91	100		
92	51.9	41.0	61.6
134	24.4	19.5	29.3





#85

1,2-Dichlorobenzene

Concen: 11.152 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Instrument :

MSVOA_U

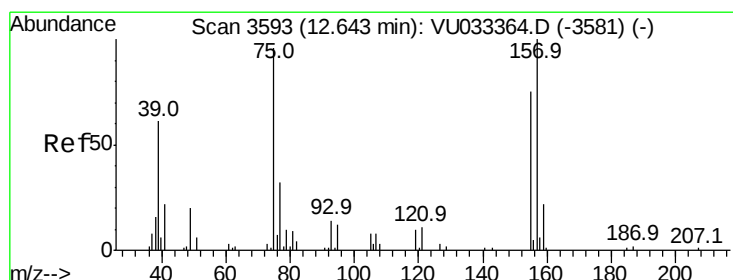
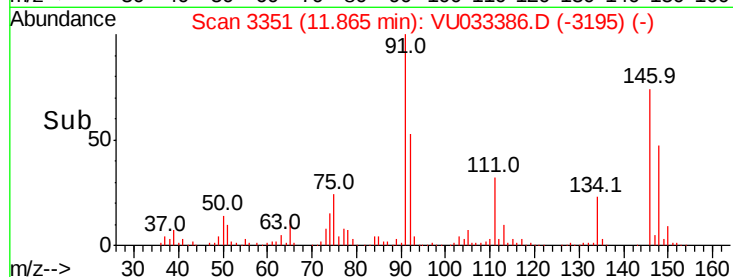
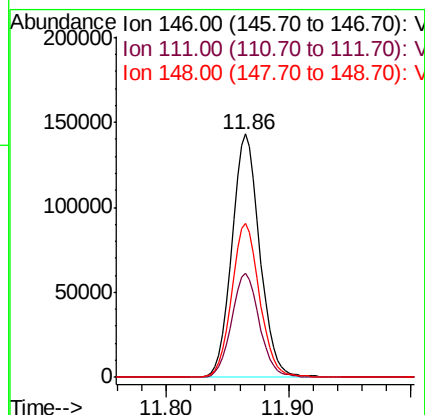
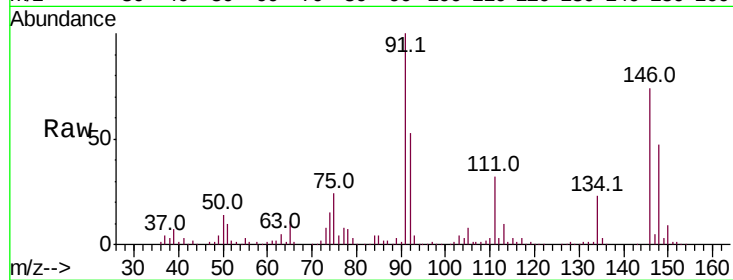
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	228083
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.7	65.1
148	63.6	32.0	96.0

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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.045 ug/l

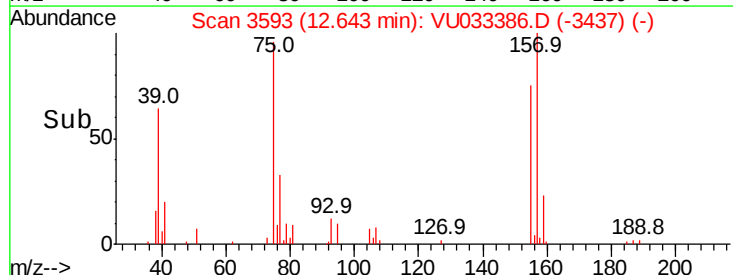
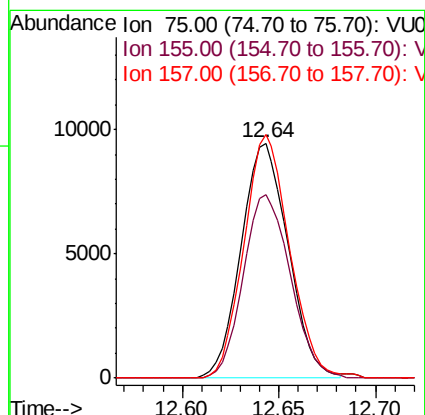
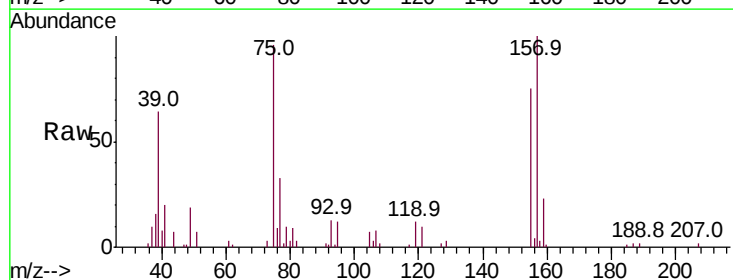
RT: 12.64 min Scan# 3593

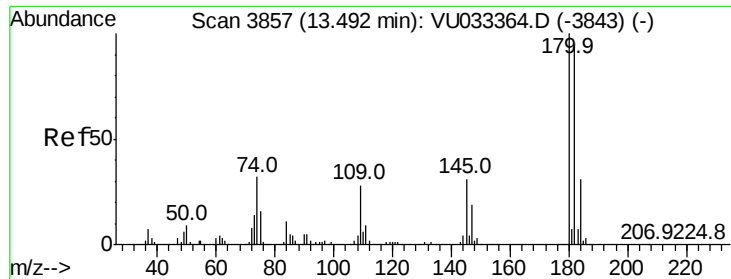
Delta R.T. 0.00 min

Lab File: VU033386.D

Acq: 24 Jul 2019 11:01

Tgt Ion:	75	Resp:	16032
Ion Ratio	Lower	Upper	
75	100		
155	78.0	63.3	94.9
157	100.4	82.5	123.7





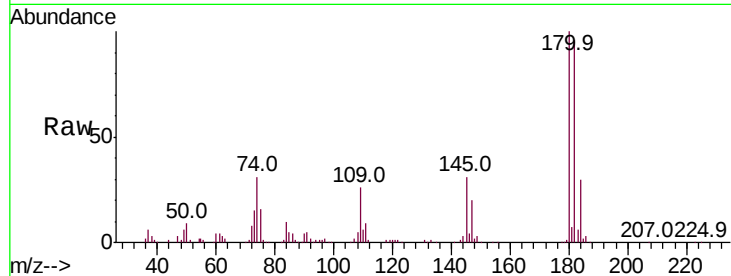
#87
 1,2,4-Trichlorobenzene
 Concen: 11.697 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

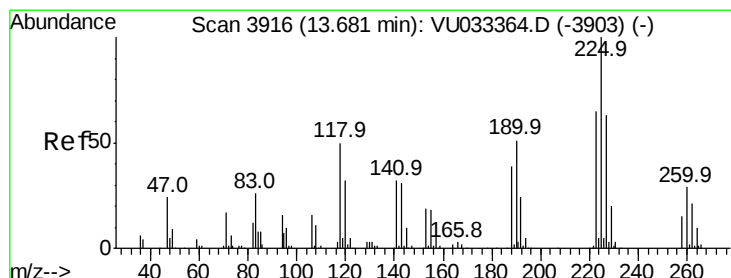
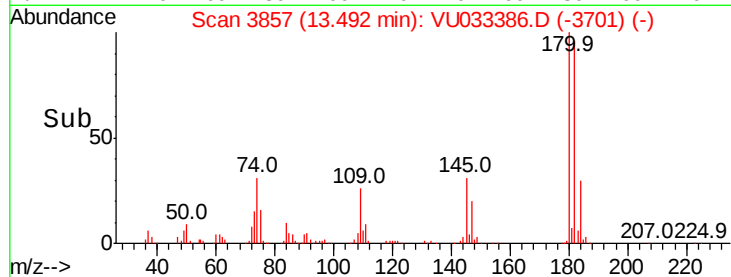
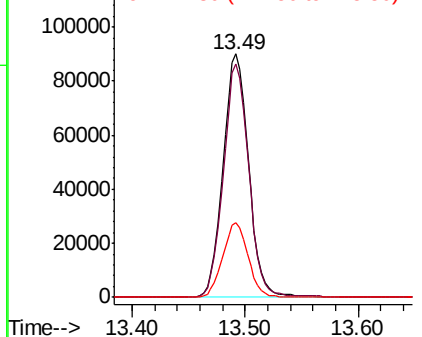
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	76.2	114.4	
145	30.3	25.0	37.4	

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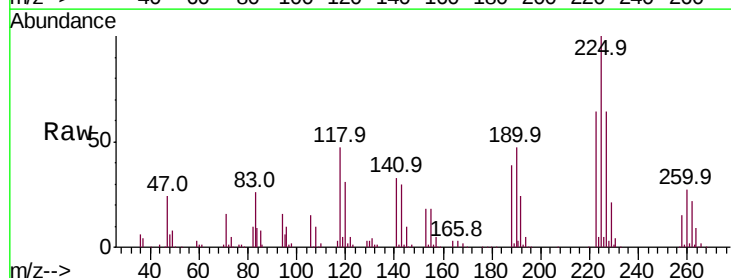


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

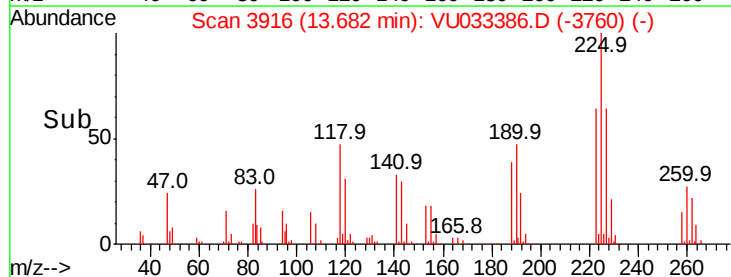
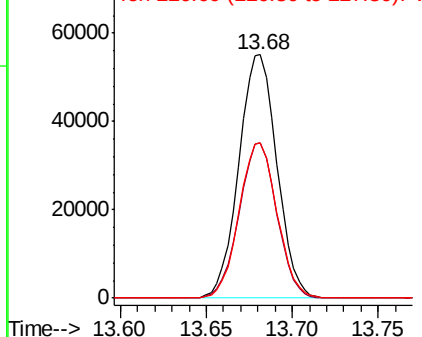


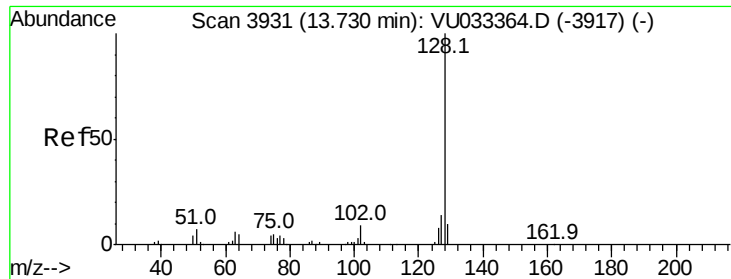
#88
 Hexachlorobutadiene
 Concen: 11.323 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.00 min
 Lab File: VU033386.D
 Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	52.2	78.4	
227	63.5	51.7	77.5	



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





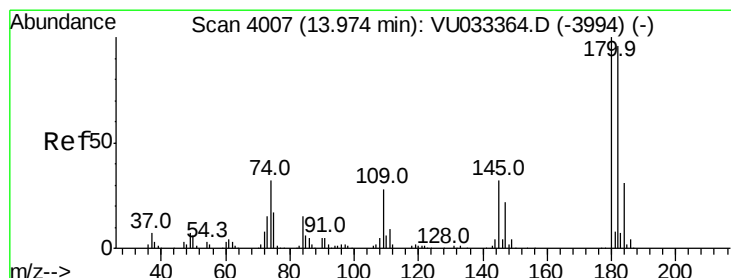
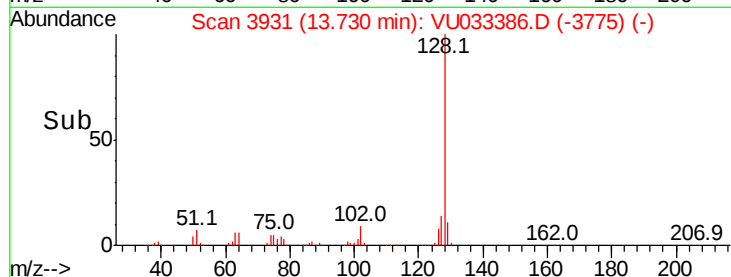
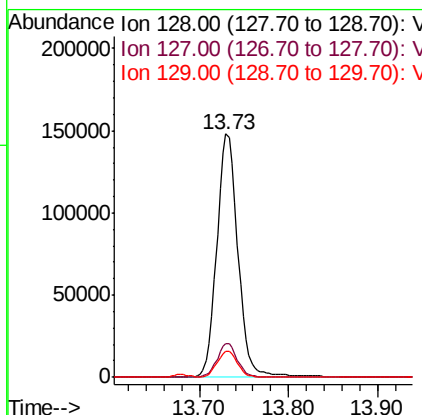
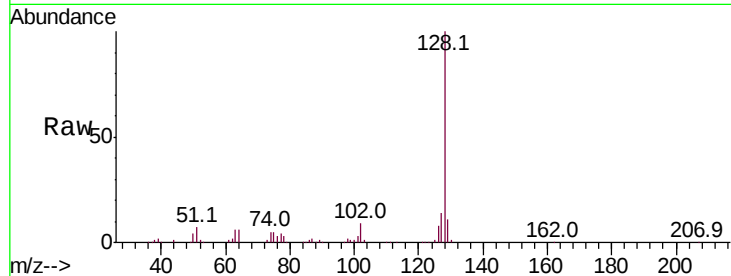
#89
Naphthalene
Concen: 8.915 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.4	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 11.413 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033386.D
Acq: 24 Jul 2019 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.9	116.9
145	32.2	25.8	38.8

