

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091119\
 Data File : VU034478.D
 Acq On : 11 Sep 2019 15:43
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 4:53:53 PM

Quant Time: Sep 12 04:25:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:53:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	69261	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	26481	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	27393	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	229115	9.038	ug/l	100
3) Chloromethane	1.33	50	247269	8.864	ug/l	98
4) Vinyl Chloride	1.40	62	252570	9.215	ug/l	99
5) Bromomethane	1.62	94	133353	8.349	ug/l	96
6) Chloroethane	1.69	64	145655	9.170	ug/l	100
7) Trichlorofluoromethane	1.88	101	311762	9.247	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169055	9.243	ug/l	100
9) 1,1-Dichloroethene	2.28	96	166332	9.025	ug/l	98
10) Iodomethane	2.40	142	176634	8.483	ug/l	99
11) Allyl Chloride	2.58	41	279880	9.241	ug/l	99
12) Acrylonitrile	2.92	53	71314	18.571	ug/l	100
13) Acetone	2.31	43	144038	45.032	ug/l	97
14) Carbon Disulfide	2.47	76	587081	9.071	ug/l	100
15) Methylene Chloride	2.68	84	190700	8.901	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	187917	9.112	ug/l	99
17) 1,1-Dichloroethane	3.42	63	365986	9.307	ug/l	99
18) 2-Butanone	4.25	43	236514	51.197	ug/l	97
19) Cyclohexane	4.97	56	313953m	10.186	ug/l	
20) Methylcyclohexane	6.39	83	325286	10.122	ug/l	99
21) 2,2-Dichloropropane	4.20	77	296118	9.135	ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	217562	9.733	ug/l	98
23) Diethyl Ether	2.10	59	130319	9.441	ug/l	98
24) tert-Butyl Alcohol	2.82	59	125795	88.930	ug/l	99
25) Methyl tert-Butyl Ether	2.99	73	425229	9.626	ug/l	99
26) Bromochloromethane	4.52	128	87869	9.294	ug/l	99
27) Chloroform	4.65	83	354576	8.673	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	299858	9.352	ug/l	100
29) 1,1-Dichloropropene	5.11	75	271814	9.810	ug/l	99
30) Carbon Tetrachloride	5.11	117	271272	9.441	ug/l	96
31) Isopropyl Ether	3.56	45	548170	9.683	ug/l	100
32) Ethyl-t-butyl ether	4.05	59	481680	9.943	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	419418	10.335	ug/l	100
34) Propionitrile	4.31	54	67380	51.375	ug/l	97
35) Benzene	5.37	78	799374	9.618	ug/l	100
36) 1,2-Dichloroethane	5.38	62	204362	9.574	ug/l	100
37) Trichloroethene	6.16	130	214869	9.241	ug/l	100
38) 1,2-Dichloropropane	6.41	63	209469	9.515	ug/l	98
39) Methacrylonitrile	4.53	41	56347	10.382	ug/l	99
40) Methyl acrylate	4.41	55	87762	10.613	ug/l	99
41) Tetrahydrofuran	4.63	42	56747	20.408	ug/l	99
42) 1-Chlorobutane	5.04	56	378940	10.064	ug/l	99

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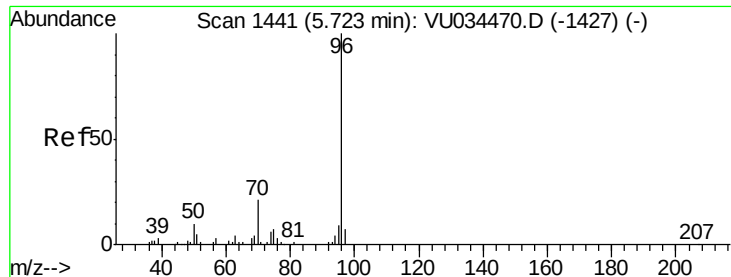
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	97312	9.391	ug/l	98
44) Bromodichloromethane	6.74	83	249790	9.381	ug/l	99
45) 4-Methyl-2-Pentanone	7.44	43	553877	52.716	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	93328m	22.286	ug/l	
47) Methyl methacrylate	6.60	69	176188	21.315	ug/l	99
48) Ethyl methacrylate	8.00	69	159859	10.763	ug/l	99
49) Toluene	7.61	92	494466	10.198	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	220185	10.043	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	275680	9.990	ug/l	98
52) 1,1,2-Trichloroethane	8.05	97	135810	9.437	ug/l	99
53) 1,3-Dichloropropane	8.22	76	235301	9.778	ug/l	99
54) 2-Hexanone	8.34	43	383920	54.511	ug/l	99
55) Dibromochloromethane	8.46	129	171293	9.796	ug/l	99
56) 1,2-Dibromoethane	8.57	107	127090	9.625	ug/l	99
58) Tetrachloroethene	8.21	164	211905	9.591	ug/l	99
59) Chlorobenzene	9.10	112	538110	9.961	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	188228	9.408	ug/l	99
61) Pentachloroethane	11.08	117	149701	9.244	ug/l	98
62) Hexachloroethane	12.12	117	138491	9.630	ug/l	97
63) Ethyl Benzene	9.23	91	921560	10.638	ug/l	99
64) m/p-Xylenes	9.35	106	751142	21.407	ug/l	99
65) o-Xylene	9.76	106	351536	10.516	ug/l	100
66) Styrene	9.77	104	613637	10.966	ug/l	99
67) Bromoform	9.94	173	101013	9.827	ug/l	98
69) Isopropylbenzene	10.14	105	931912	10.695	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.43	83	176726	9.570	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	124532m	9.476	ug/l	
72) Bromobenzene	10.43	156	233611	9.888	ug/l	99
73) n-propylbenzene	10.57	120	273906	10.851	ug/l	99
74) 2-Chlorotoluene	10.64	126	235630	10.375	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	838765	10.721	ug/l	100
76) 4-Chlorotoluene	10.75	126	241154	10.487	ug/l	97
77) tert-Butylbenzene	11.08	119	784762	10.346	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	865078	10.949	ug/l	100
79) sec-Butylbenzene	11.30	105	1075377	10.538	ug/l	99
80) Nitrobenzene	12.85	77	20718	52.553	ug/l	100
81) p-Isopropyltoluene	11.45	119	927588	10.894	ug/l	99
82) 1,3-Dichlorobenzene	11.39	146	480074	9.790	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	481733	9.886	ug/l	100
84) n-Butylbenzene	11.86	91	853395	10.891	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	436276	9.819	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	25449	10.322	ug/l	98
87) 1,2,4-Trichlorobenzene	13.48	180	283377	11.048	ug/l	99
88) Hexachlorobutadiene	13.67	225	190823	9.764	ug/l	100
89) Naphthalene	13.72	128	400250	8.974	ug/l	100
90) 1,2,3-Trichlorobenzene	13.96	180	260926	11.047	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: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

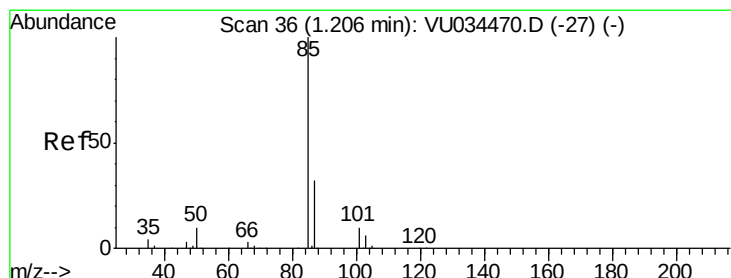
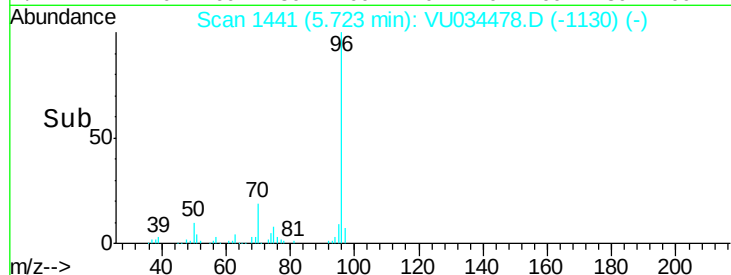
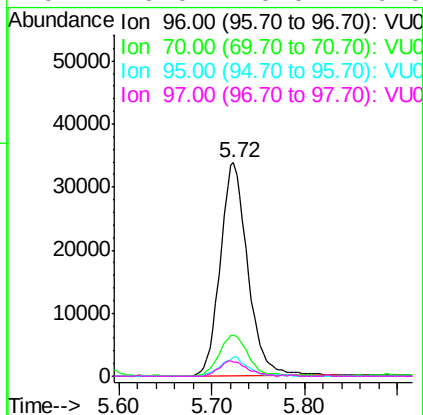
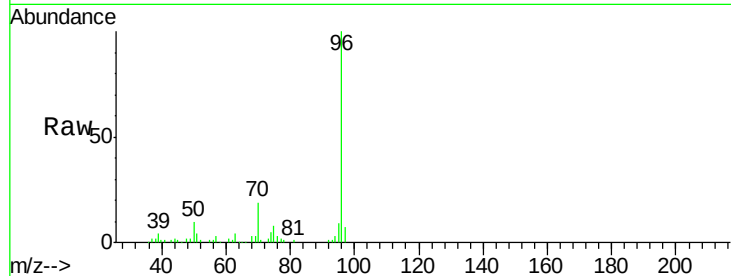
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	69261
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.5	24.7
95	8.4	7.0	10.6
97	0.0	0.0	0.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.038 ug/l

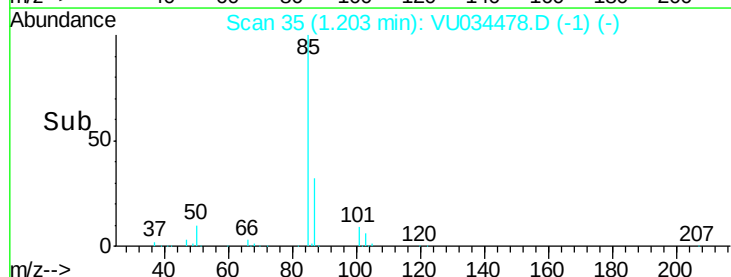
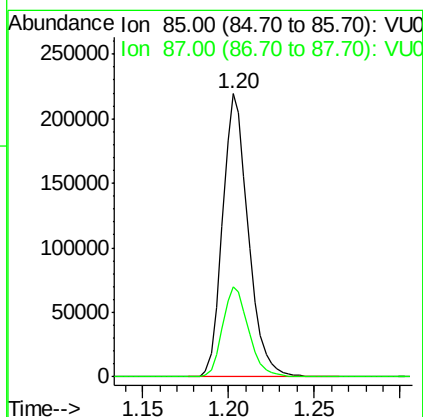
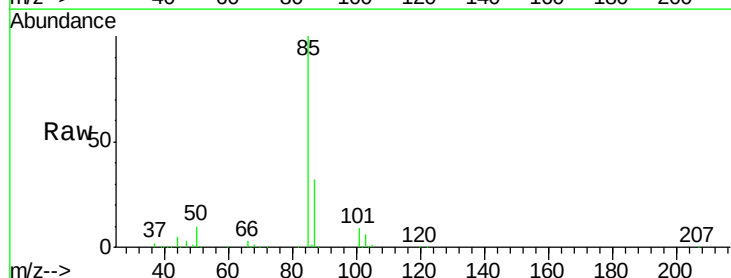
RT: 1.20 min Scan# 35

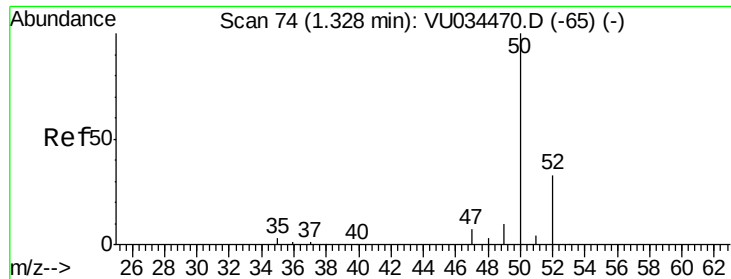
Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tgt Ion:	85	Resp:	229115
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.3





#3

Chloromethane

Concen: 8.864 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tot Ion: 50 Resp: 247269

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4

Instrument :

MSVOA_U

ClientSampleId :

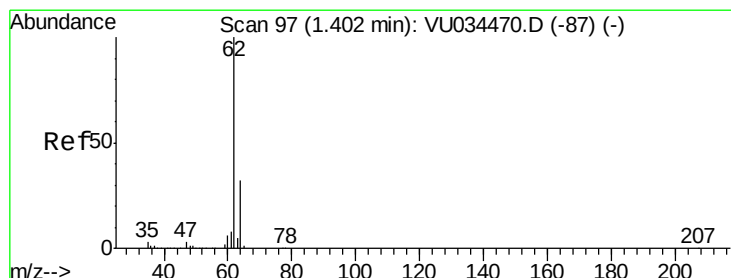
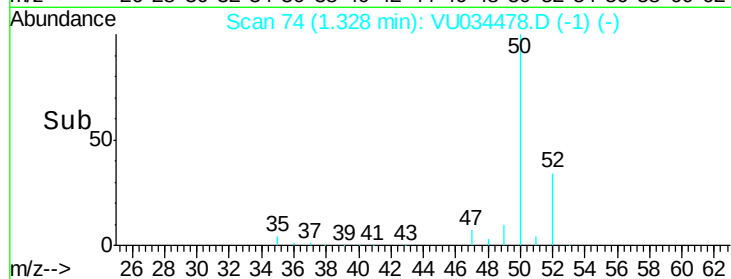
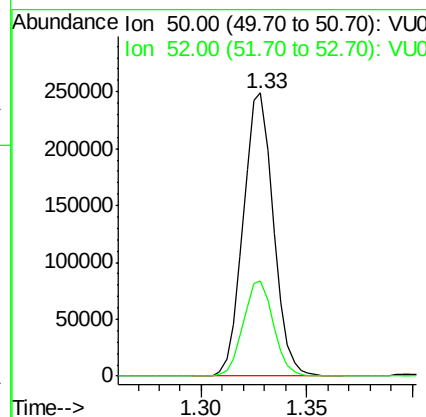
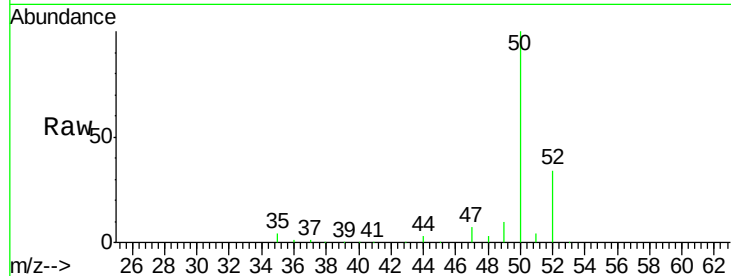
VSTDCCC010EC

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.215 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034478.D

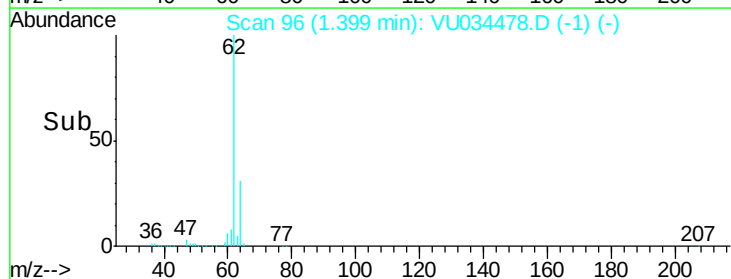
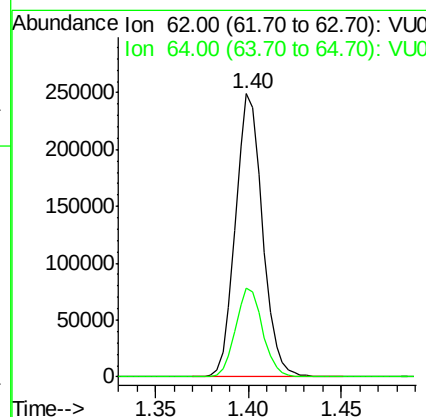
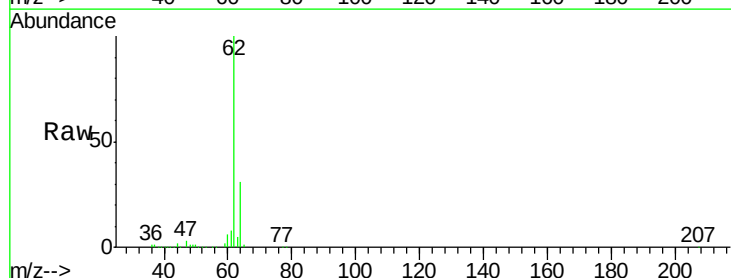
Acq: 11 Sep 2019 15:43

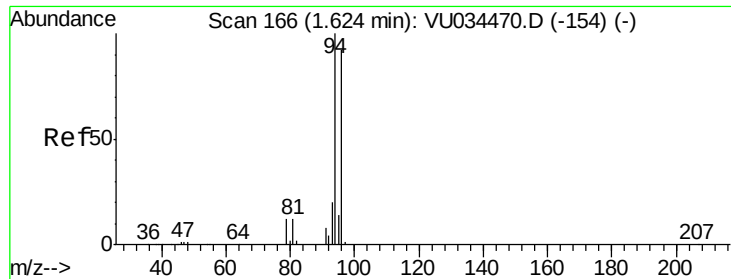
Tgt Ion: 62 Resp: 252570

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 8.349 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 133353

Ion Ratio Lower Upper

94 100

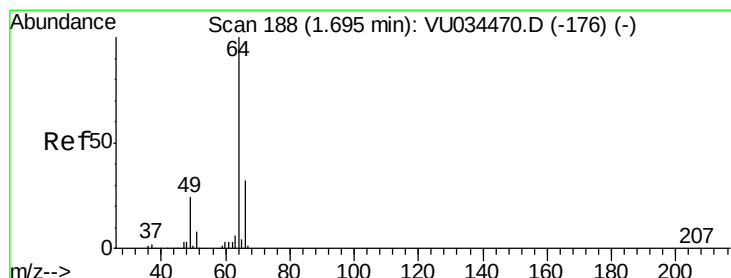
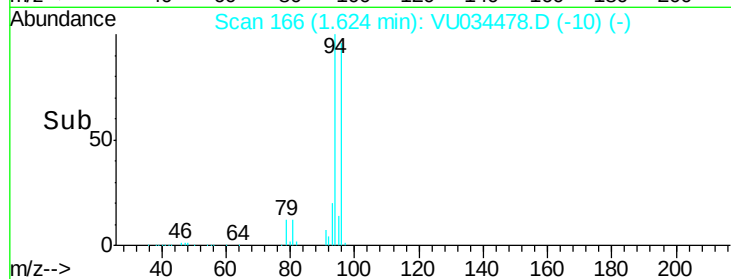
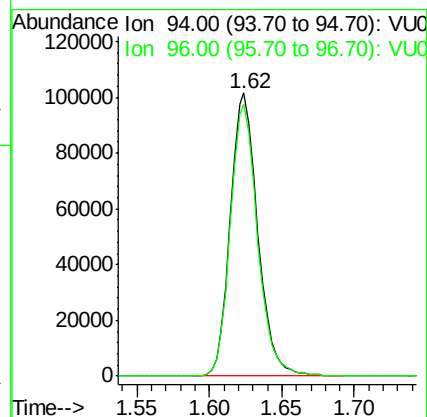
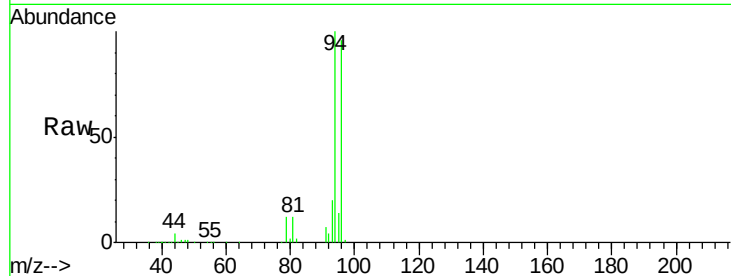
96 96.2 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 9.170 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034478.D

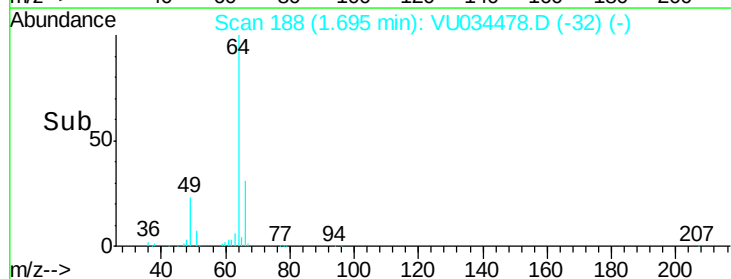
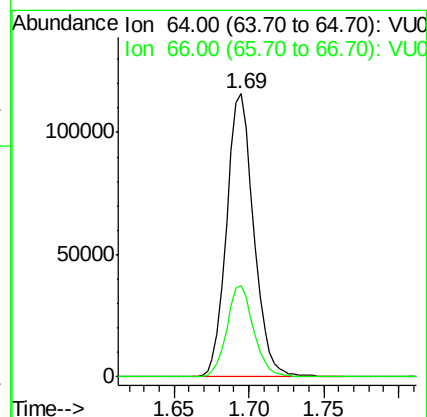
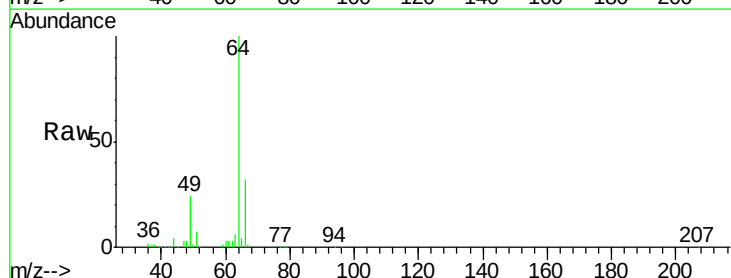
Acq: 11 Sep 2019 15:43

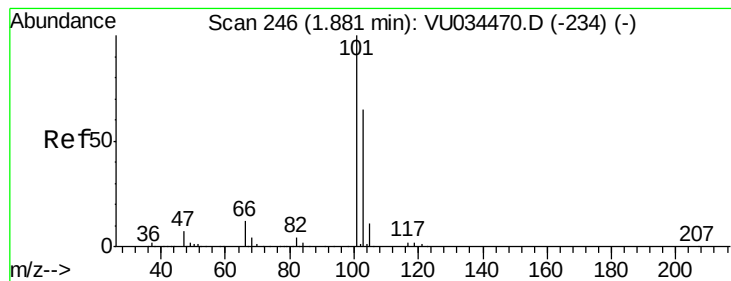
Tgt Ion: 64 Resp: 145655

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

Trichlorofluoromethane

Concen: 9.247 ug/l

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 311762

Ion Ratio Lower Upper

101 100

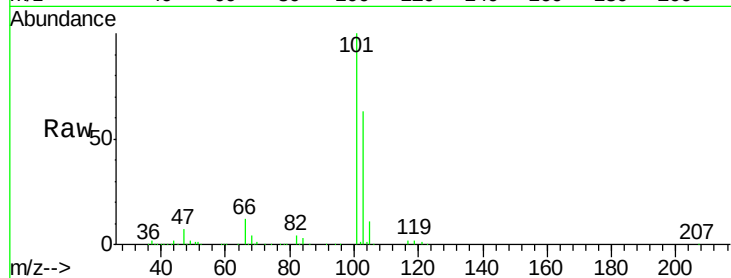
103 63.3 52.2 78.4

Manual Integrations

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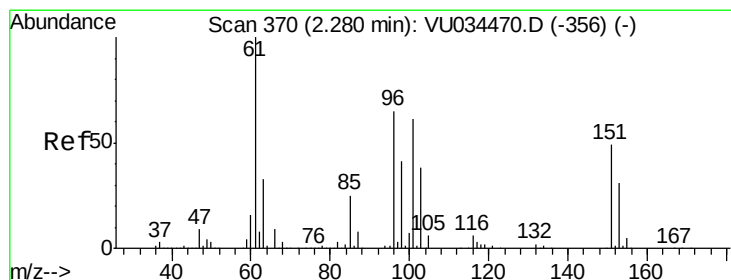
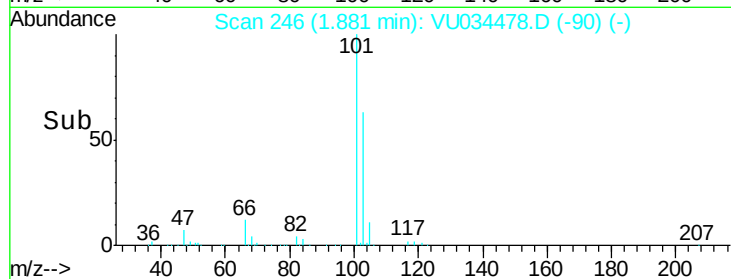
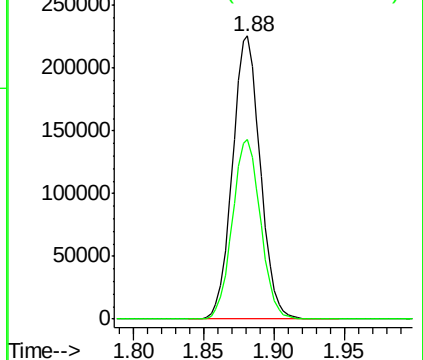
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 9.243 ug/l

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

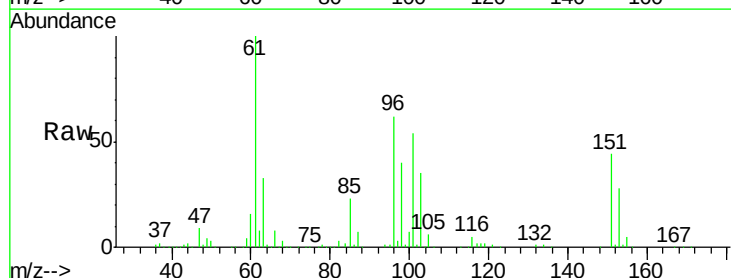
Tgt Ion:101 Resp: 169055

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

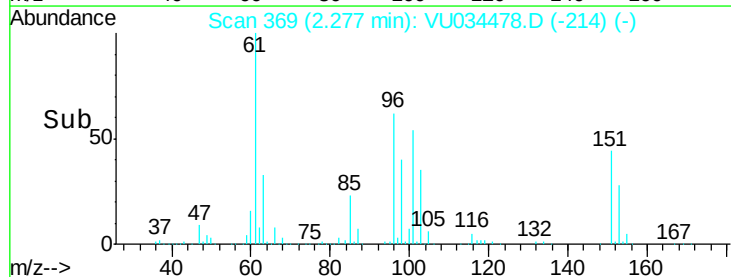
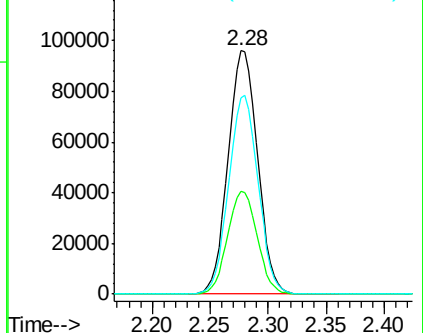
151 81.4 65.2 97.8

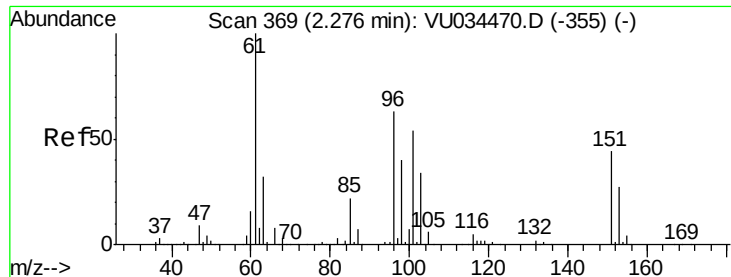


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.025 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

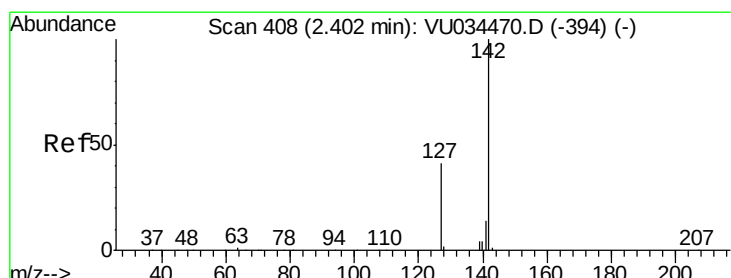
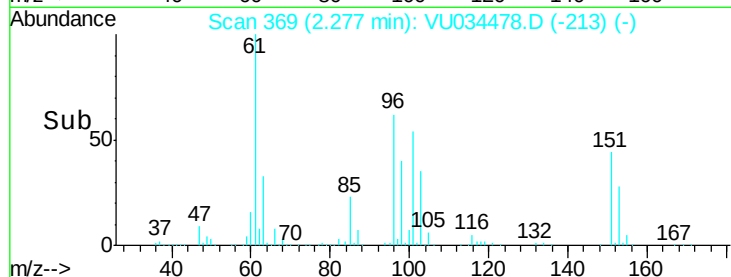
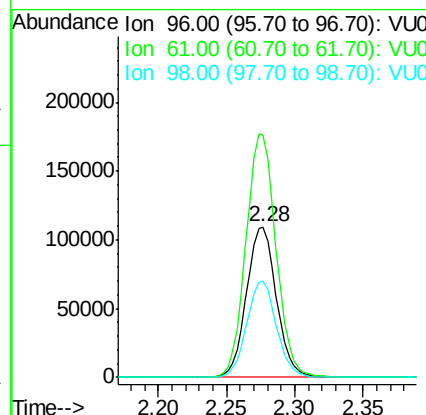
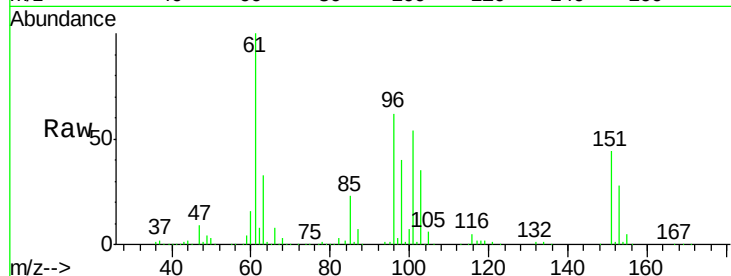
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	166332
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	475.5
98	64.4	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 8.483 ug/l

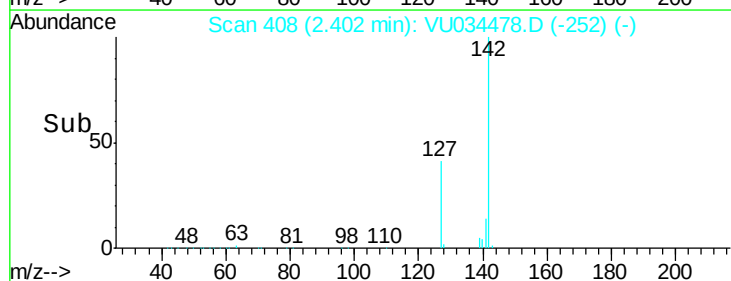
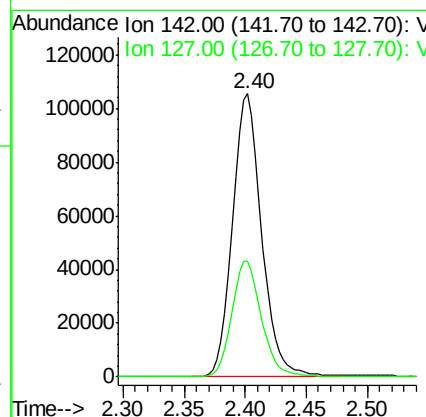
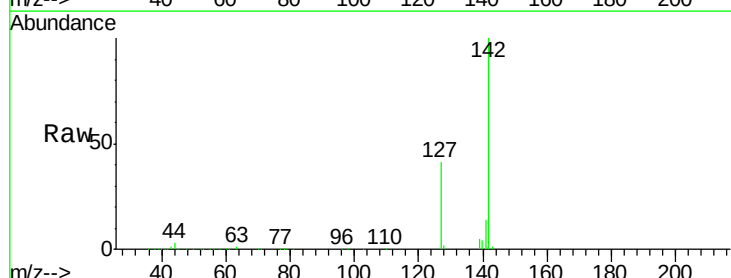
RT: 2.40 min Scan# 408

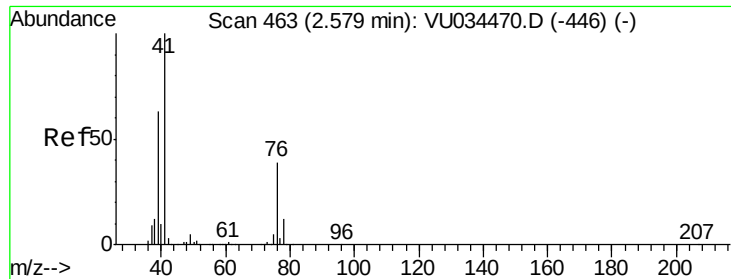
Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tgt Ion:	142	Resp:	176634
Ion	Ratio	Lower	Upper
142	100		
127	41.7	33.0	49.6





#11

Allvl Chloride

Concen: 9.241 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tot Ion: 41 Resp: 279880

Ion Ratio Lower Upper

41 100

39 63.3 50.2 75.2

Instrument :

MSVOA_U

ClientSampleId :

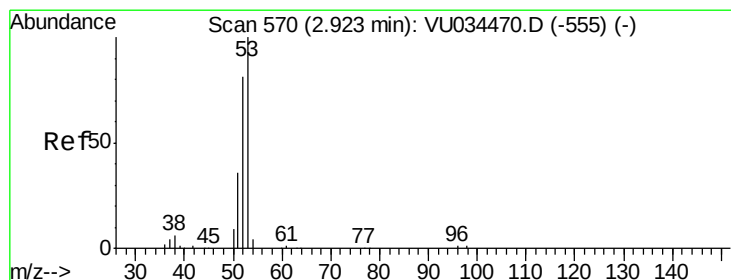
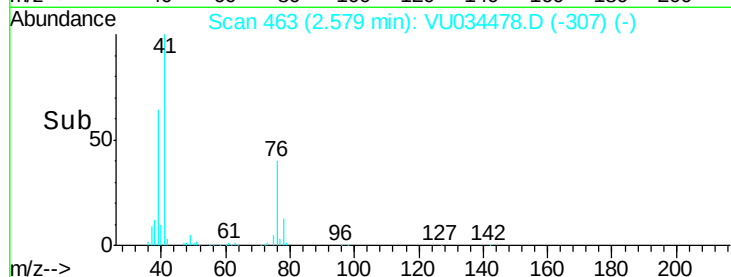
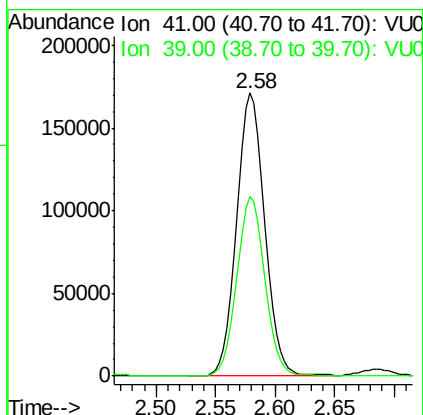
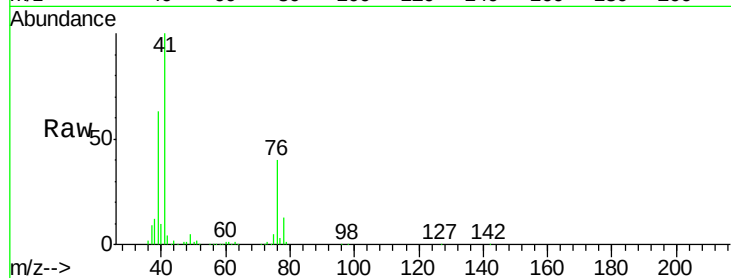
VSTDCCC010EC

Manual Integrations

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#12

Acrylonitrile

Concen: 18.571 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

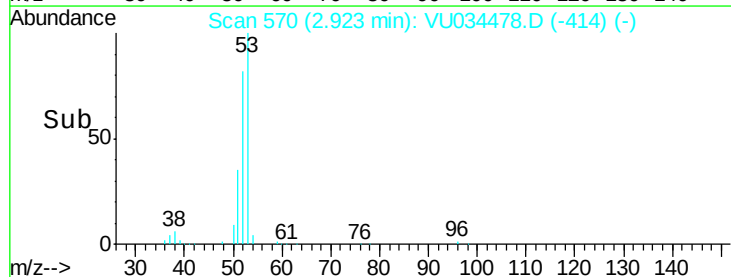
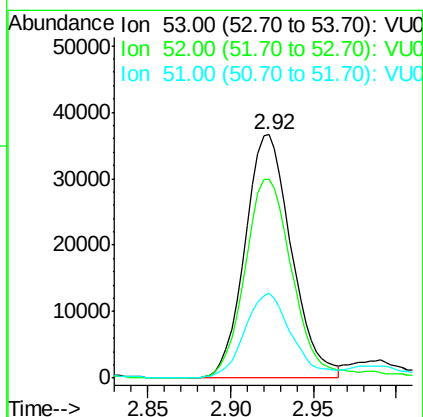
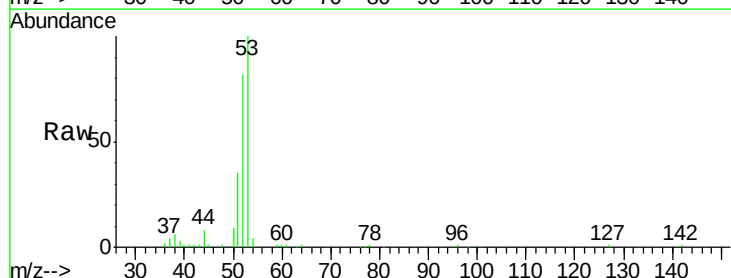
Tgt Ion: 53 Resp: 71314

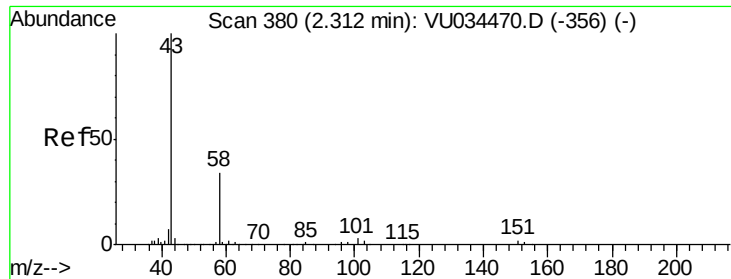
Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

51 36.0 28.4 42.6





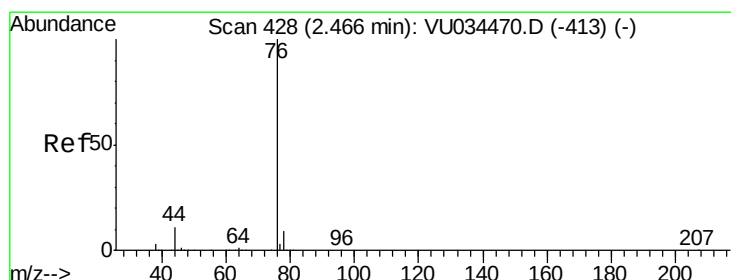
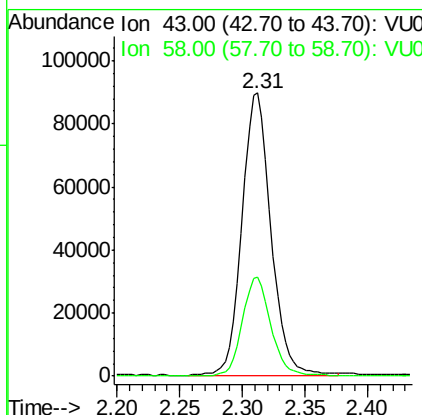
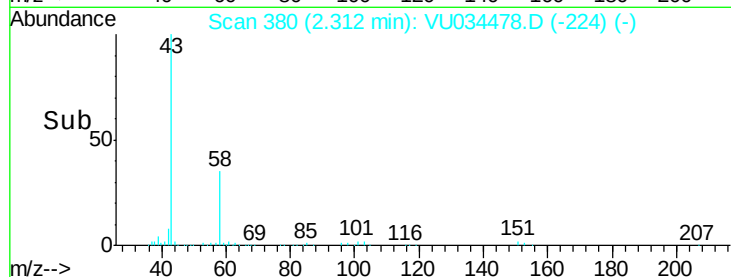
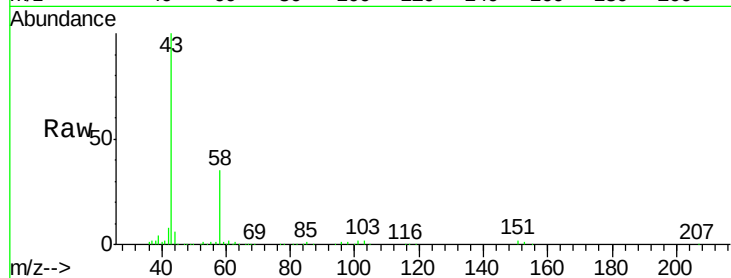
#13
Acetone
Concen: 45.032 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	144038
Ion Ratio	100	Lower	Upper
43	100		
58	35.3	26.9	40.3

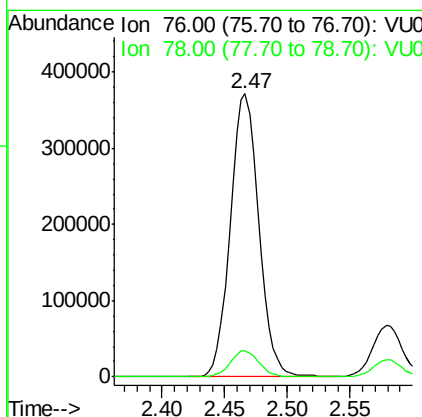
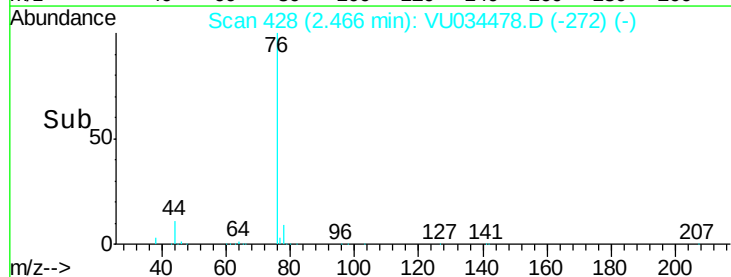
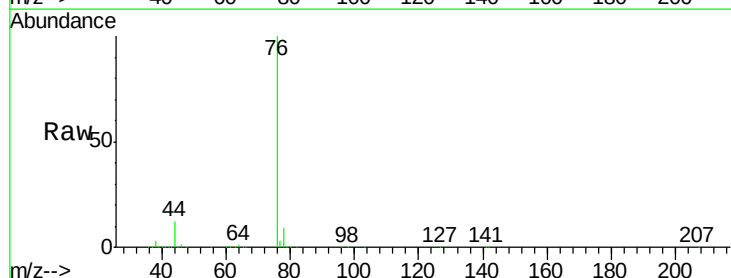
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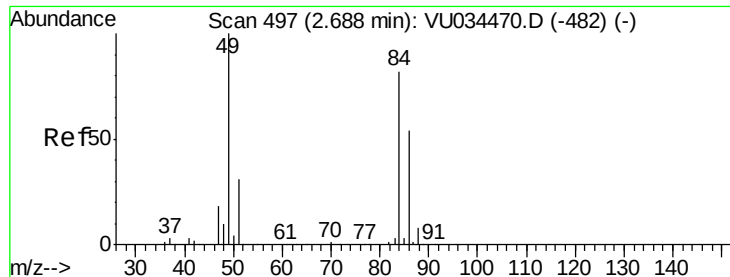
MMDadoda
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#14
Carbon Disulfide
Concen: 9.071 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	76	Resp	587081
Ion Ratio	100	Lower	Upper
76	100		
78	9.2	7.3	10.9





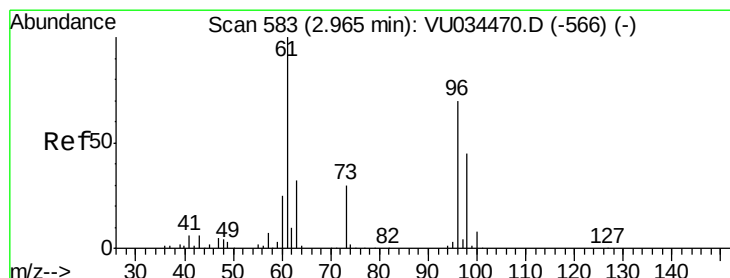
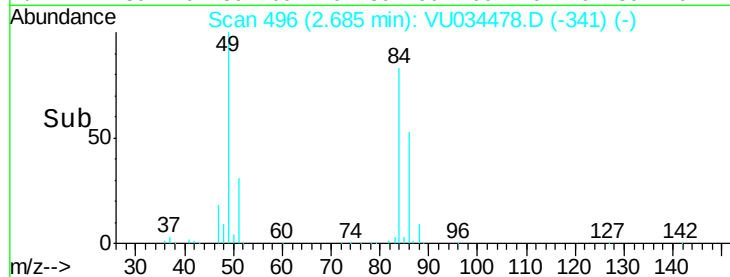
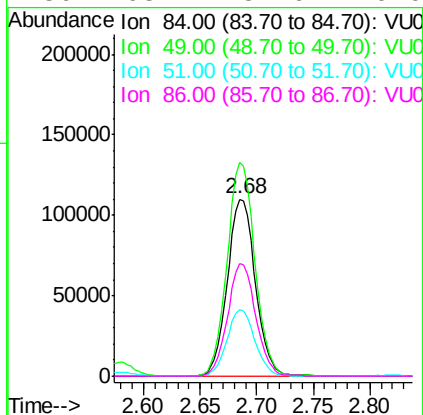
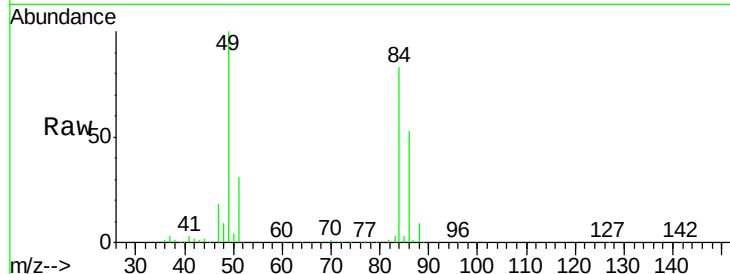
#15
Methylene Chloride
Concen: 8.901 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
84	100		
49	120.5	97.8	146.6
51	37.7	0.0	76.4
86	63.7	52.6	79.0

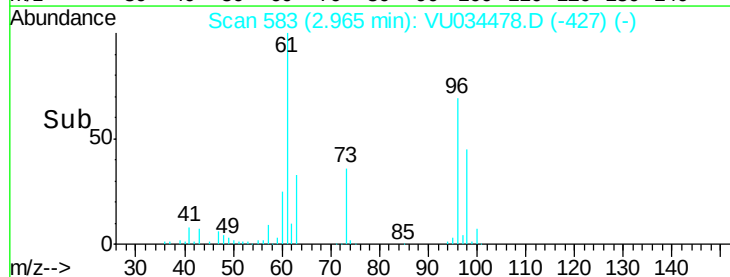
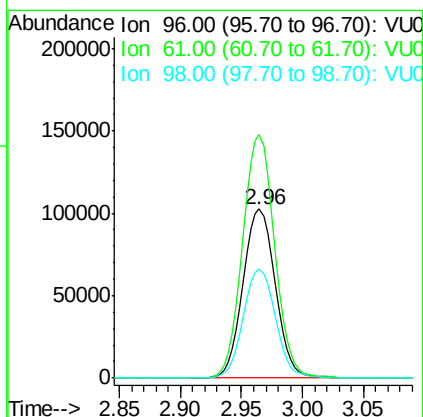
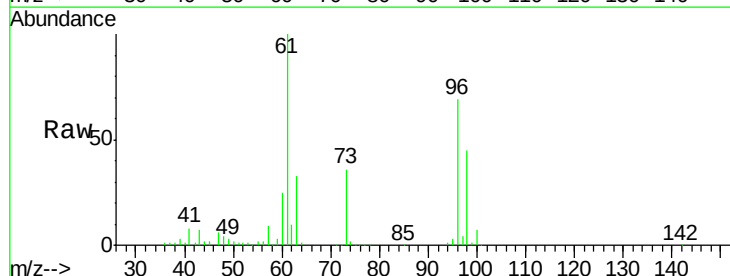
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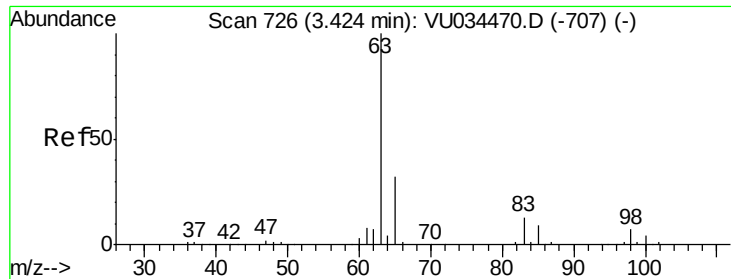
MMDadoda
9/12/2019 4:53:53 PM



#16
trans-1,2-Dichloroethene
Concen: 9.112 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	114.5	171.7
98	64.3	51.2	76.8





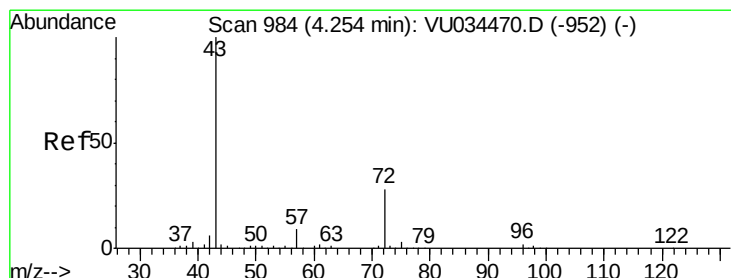
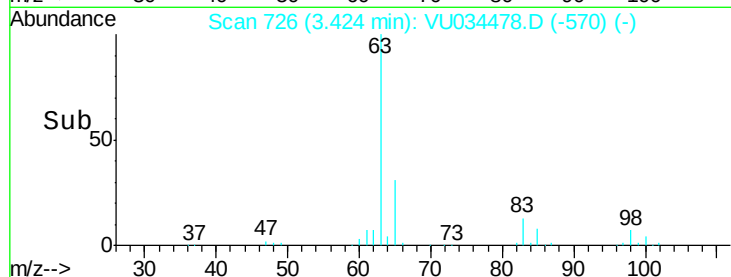
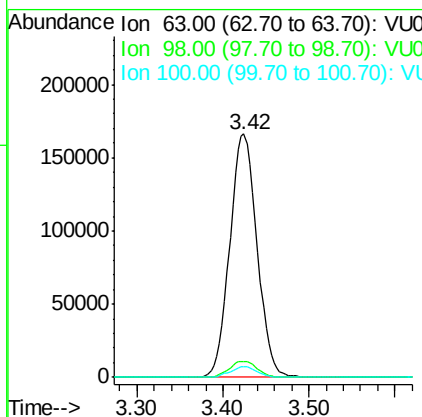
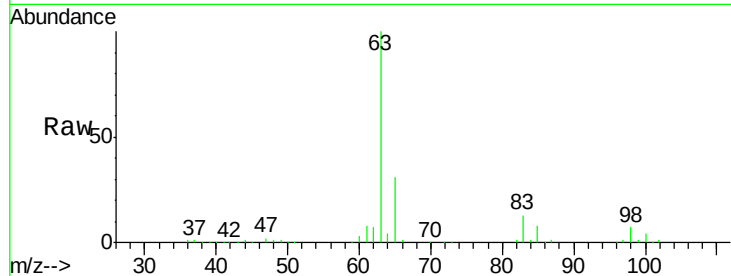
#17
 1,1-Dichloroethane
 Concen: 9.307 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	63	Resp	365986
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.5	10.4
100	4.2	2.3	6.8

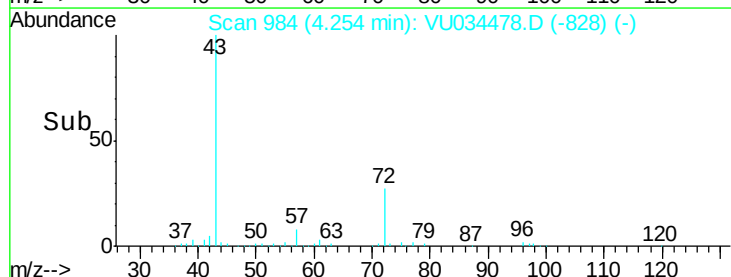
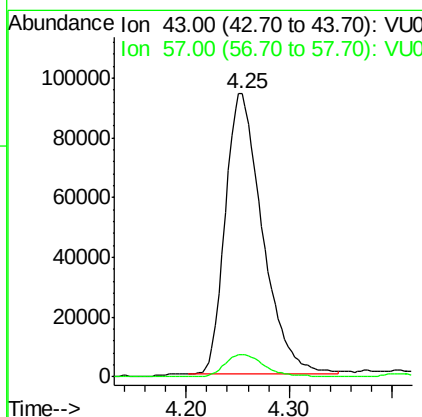
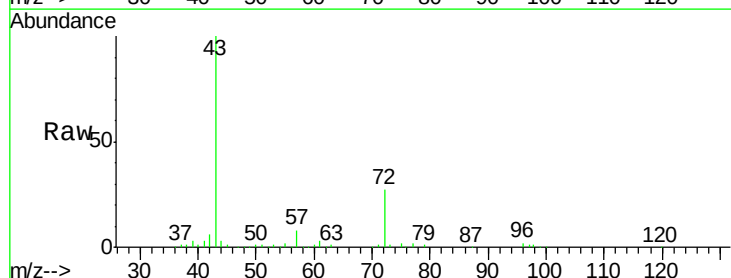
Manual Integrations
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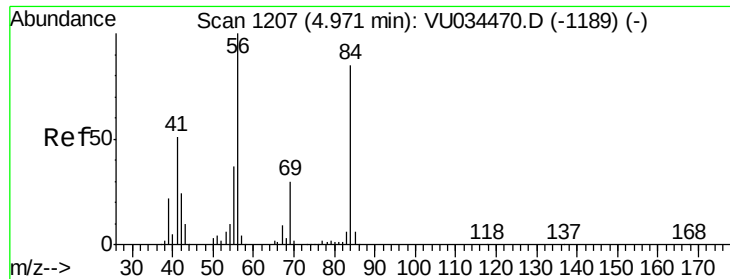
MMDadoda
 9/12/2019 4:53:53 PM



#18
 2-Butanone
 Concen: 51.197 ug/l
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	43	Resp	236514
Ion Ratio	Lower	Upper	
43	100		
57	8.0	0.0	17.8





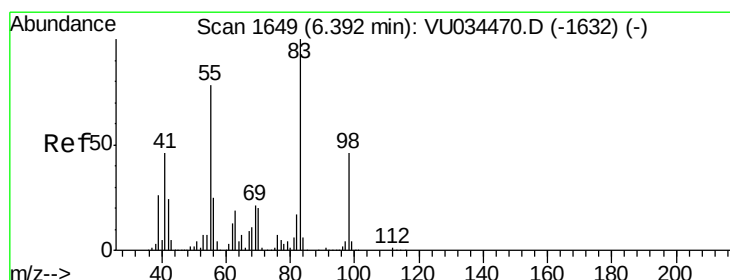
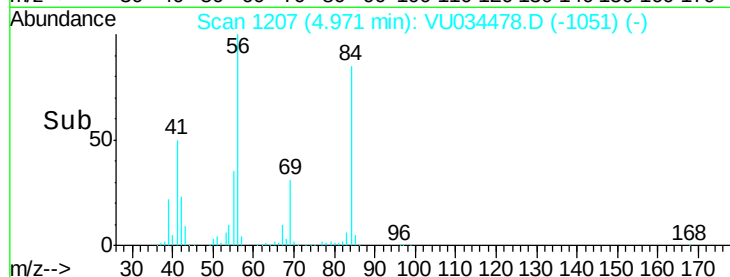
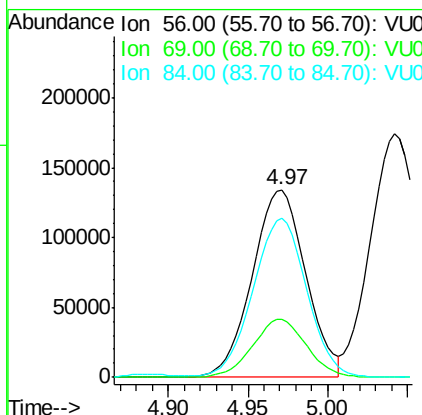
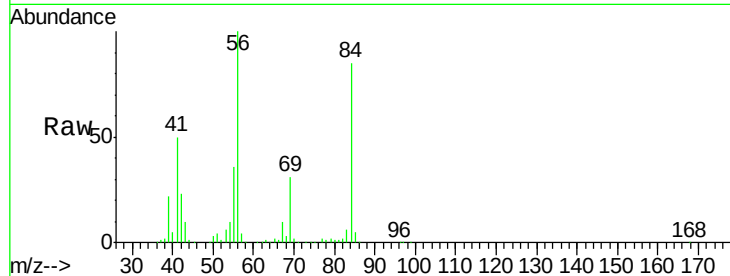
#19
Cyclohexane
Concen: 10.186 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	83.9	66.9	100.3

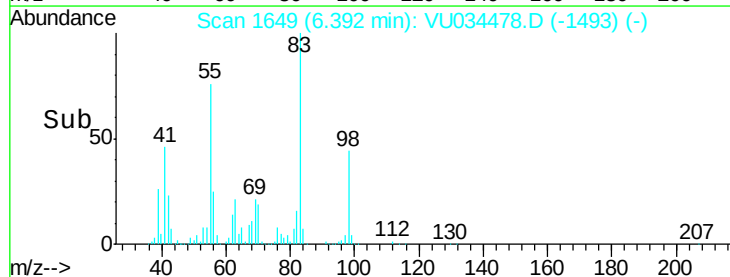
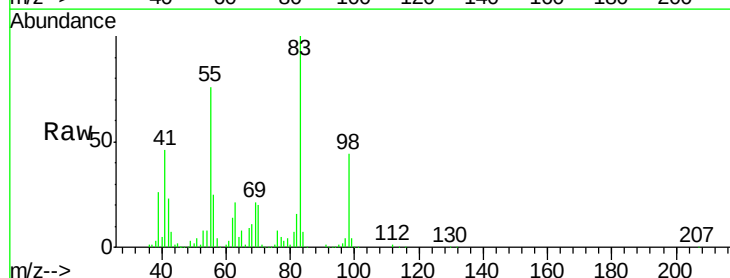
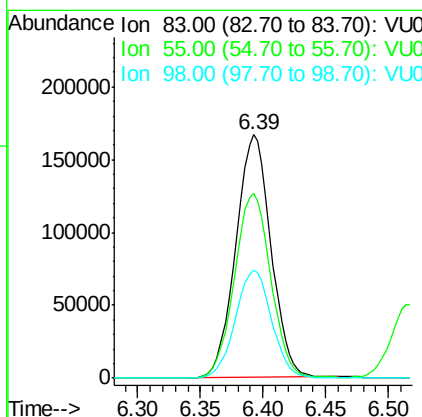
Manual Integrations
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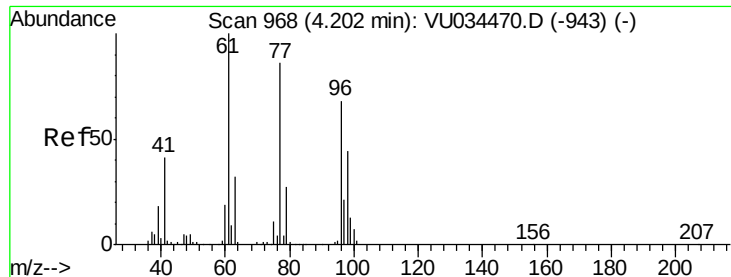
MMDadoda
9/12/2019 4:53:53 PM



#20
Methylcyclohexane
Concen: 10.122 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.7	92.5
98	45.4	36.0	54.0





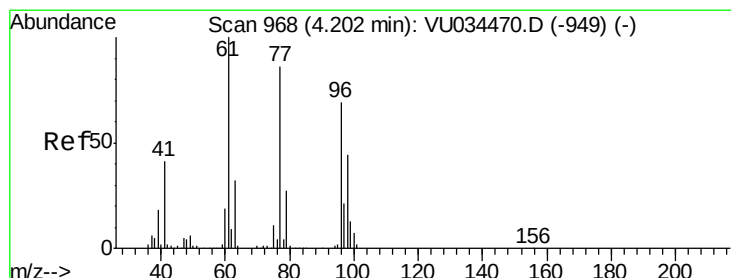
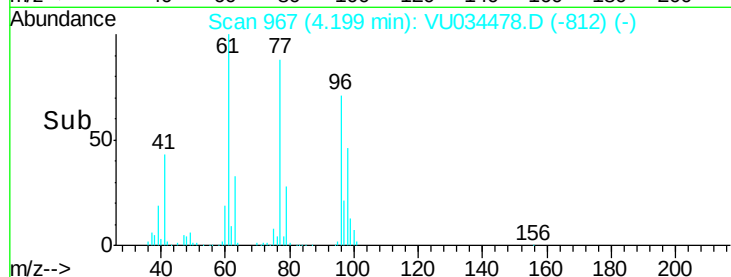
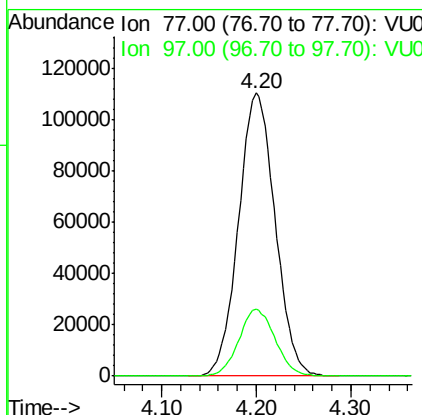
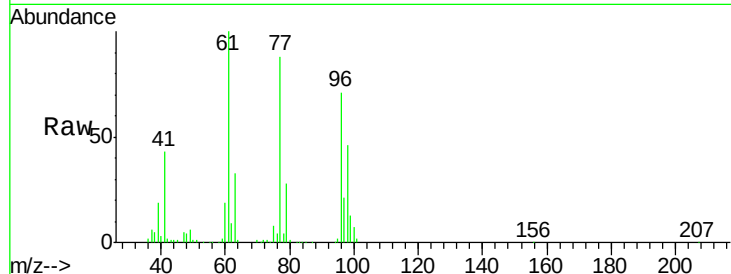
#21
 2,2-Dichloropropane
 Concen: 9.135 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 296118
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.9 28.3

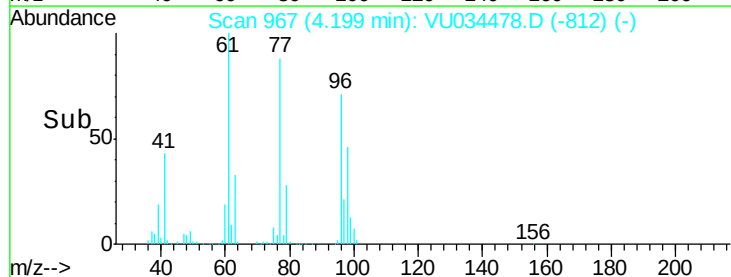
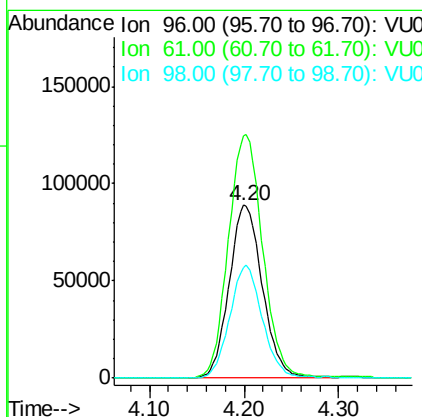
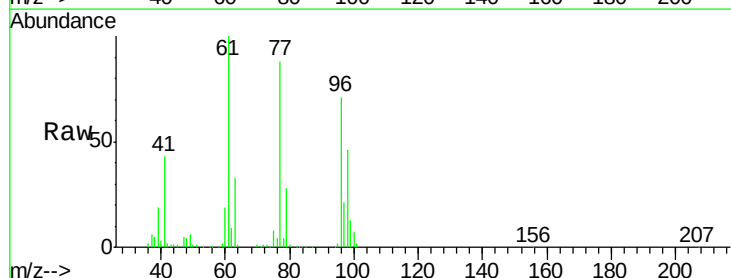
Manual Integrations
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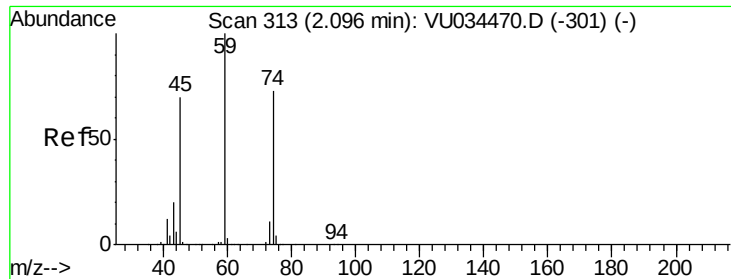
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 9.733 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 96 Resp: 217562
 Ion Ratio Lower Upper
 96 100
 61 145.6 0.0 369.5
 98 63.9 32.4 97.2





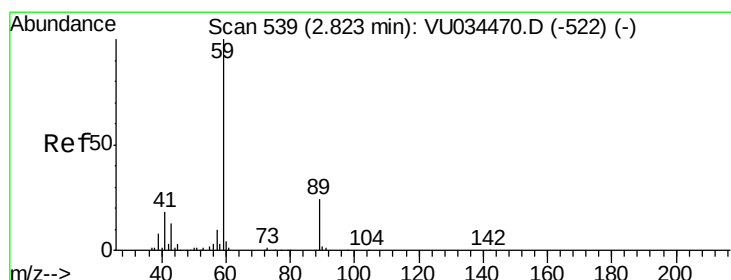
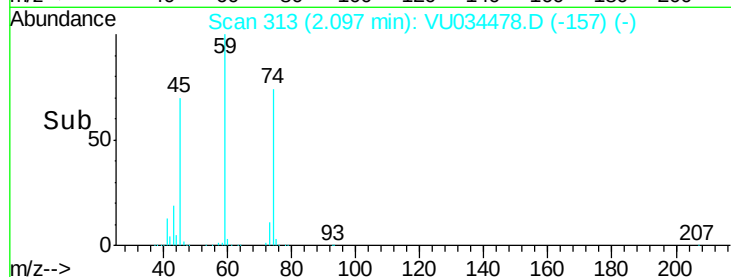
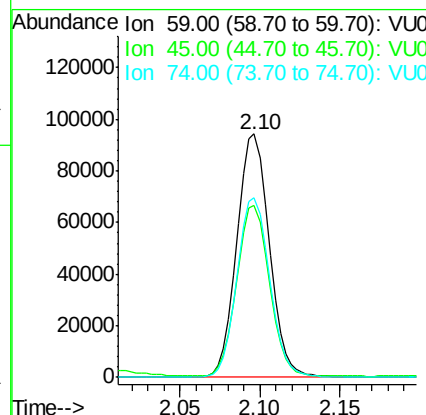
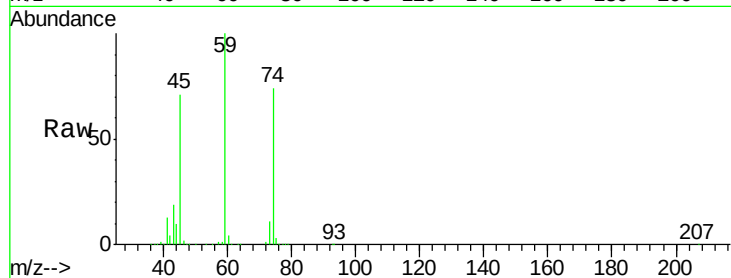
#23
Diethyl Ether
Concen: 9.441 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	71.2	56.3	84.5
74	74.6	58.2	87.2

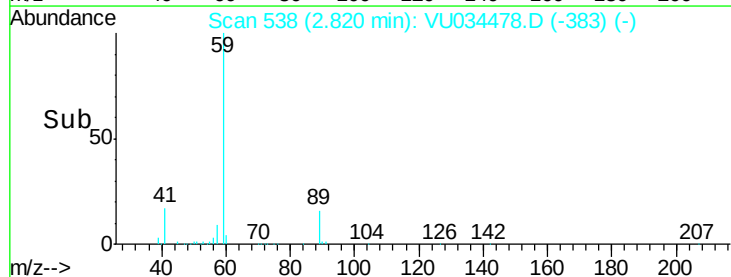
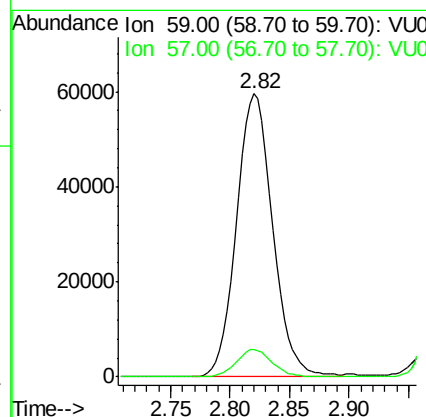
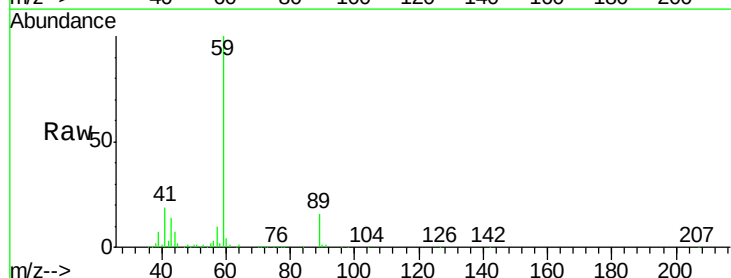
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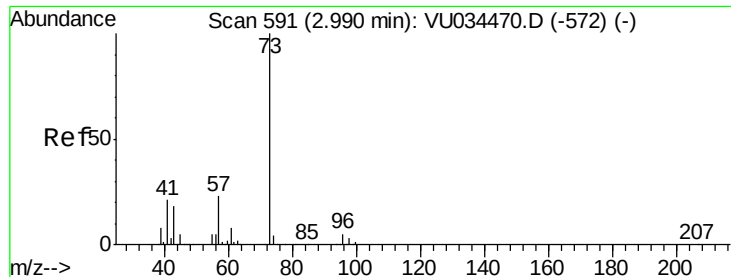
MMDadoda
9/12/2019 4:53:53 PM



#24
tert-Butyl Alcohol
Concen: 88.930 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.3	10.9





#25

Methyl tert-Butyl Ether

Concen: 9.626 ug/l

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tot Ion: 73 Resp: 425229

Ion Ratio Lower Upper

73 100

43 18.3 14.4 21.6

Instrument :

MSVOA_U

ClientSampleId :

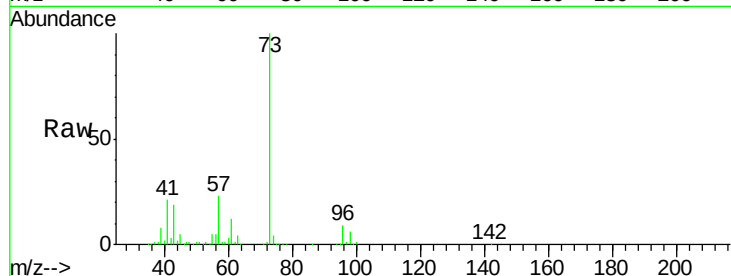
VSTDCCC010EC

Manual Integrations

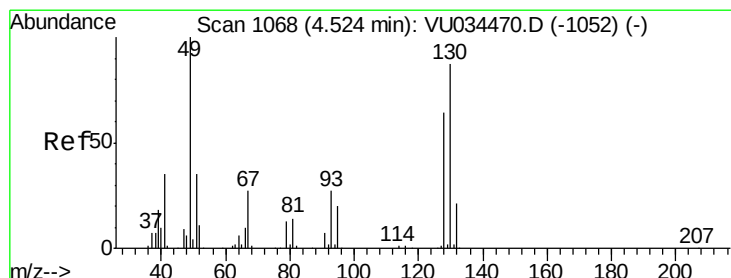
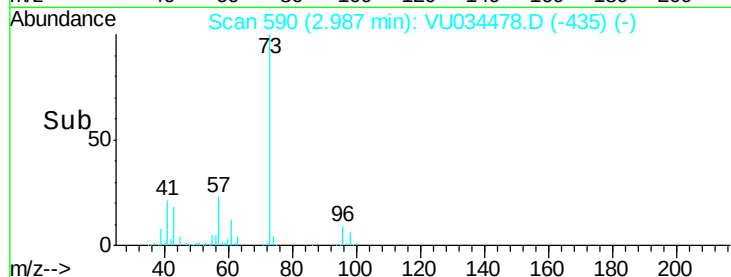
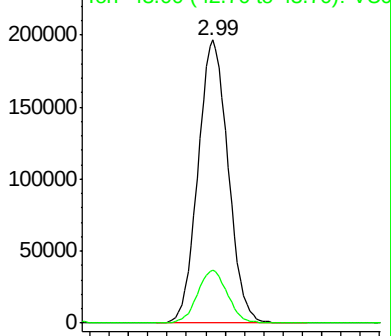
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Abundance Ion 73.00 (72.70 to 73.70): VU034478.D (-572) (-)



#26

Bromochloromethane

Concen: 9.294 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

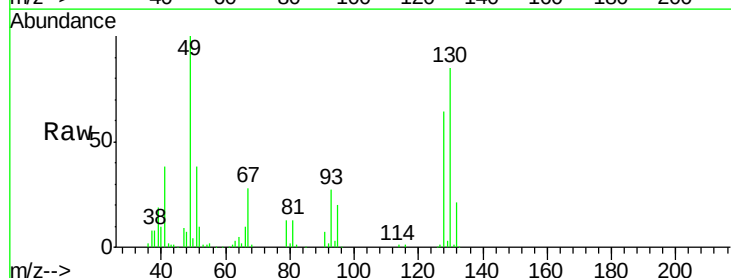
Tgt Ion: 128 Resp: 87869

Ion Ratio Lower Upper

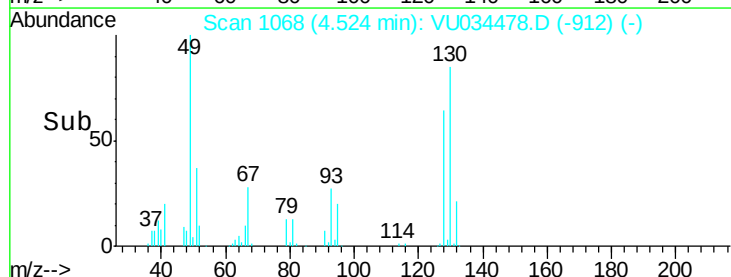
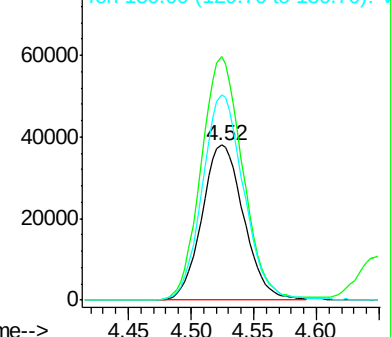
128 100

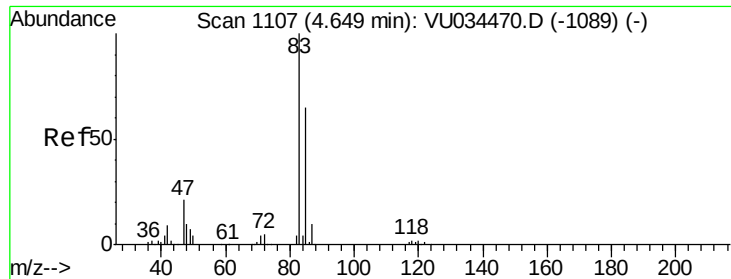
49 155.9 0.0 309.8

130 131.7 105.0 157.6



Abundance Ion 128.00 (127.70 to 128.70): VU034478.D (-1052) (-)





#27

Chloroform

Concen: 8.673 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 354576

Ion Ratio Lower Upper

83 100

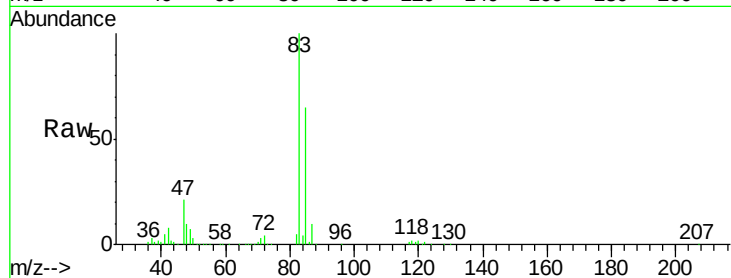
85 65.4 0.0 130.2

Manual Integrations

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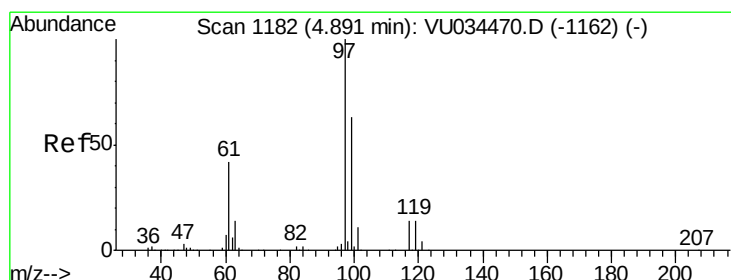
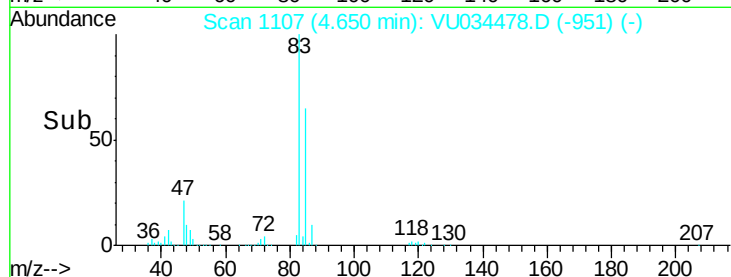
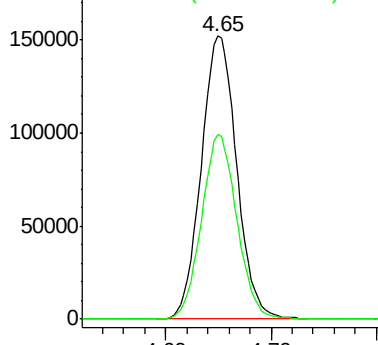
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 9.352 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

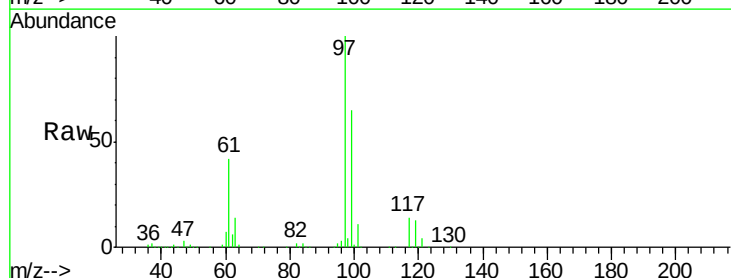
Tgt Ion: 97 Resp: 299858

Ion Ratio Lower Upper

97 100

99 64.3 32.0 96.2

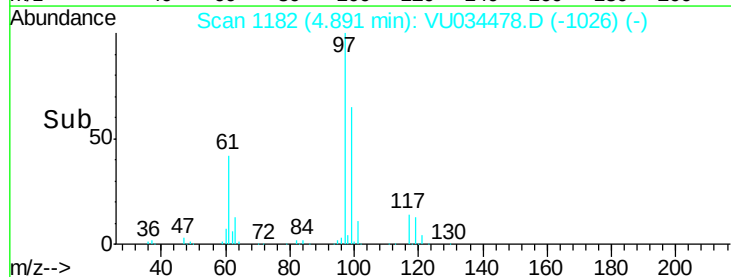
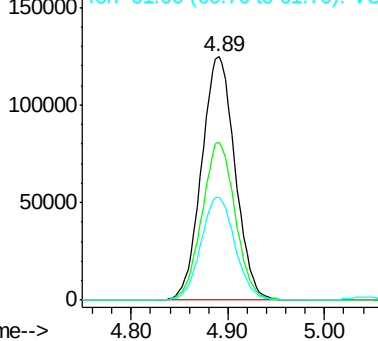
61 43.1 21.4 64.3

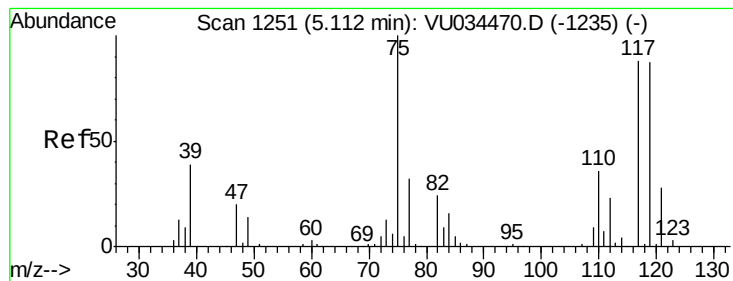


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 9.810 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 271814

Ion Ratio Lower Upper

75 100

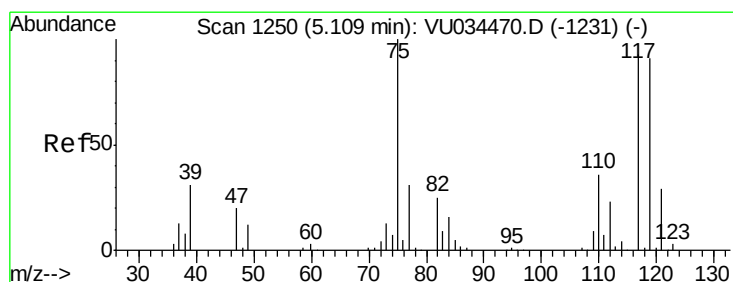
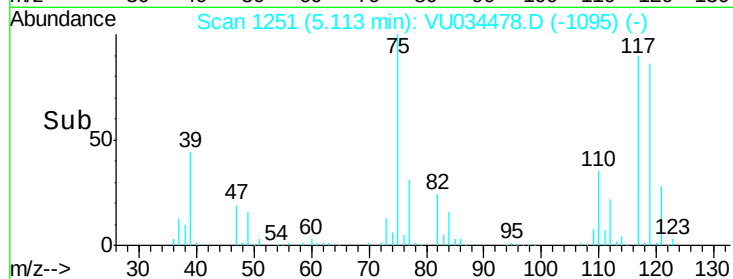
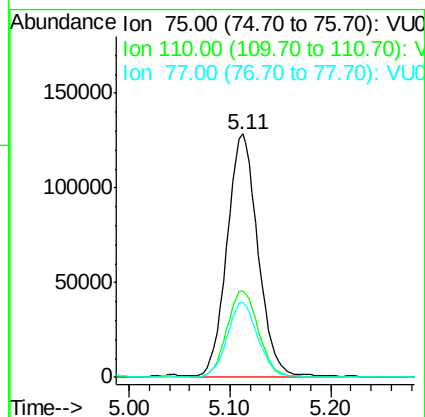
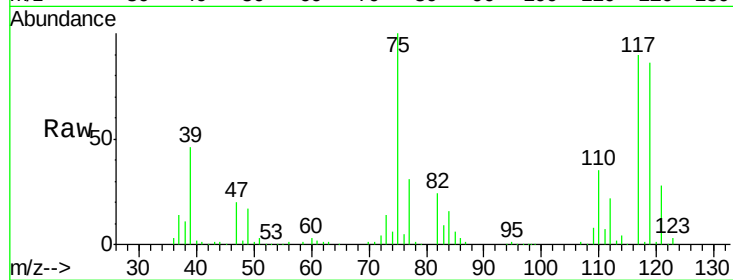
110 37.0 18.4 55.2

77 30.4 25.0 37.6

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 9.441 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

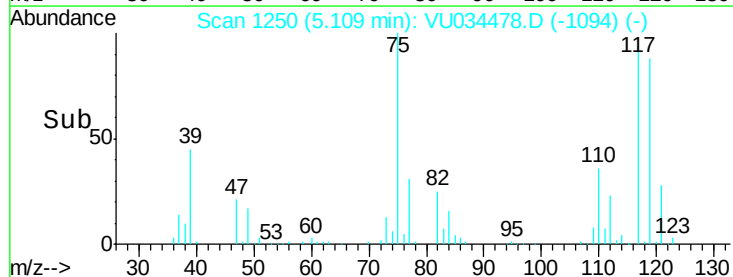
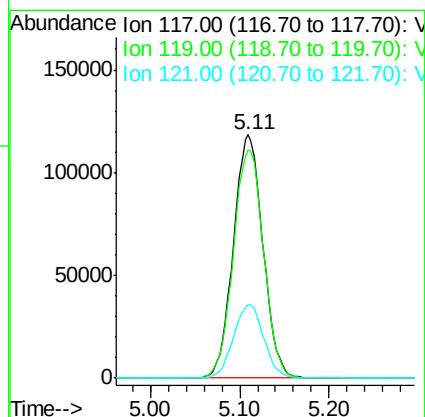
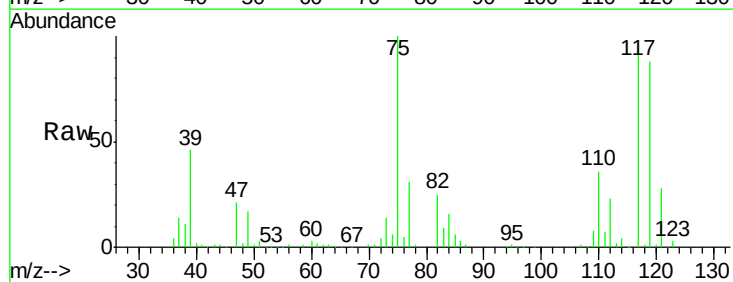
Tgt Ion: 117 Resp: 271272

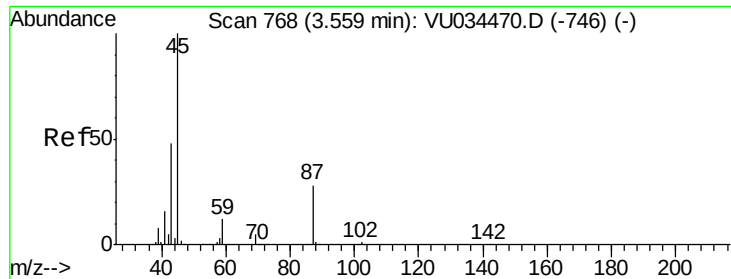
Ion Ratio Lower Upper

117 100

119 93.8 78.5 117.7

121 30.1 25.3 37.9





#31

Isopropyl Ether

Concen: 9.683 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 548170

Ion Ratio Lower Upper

45 100

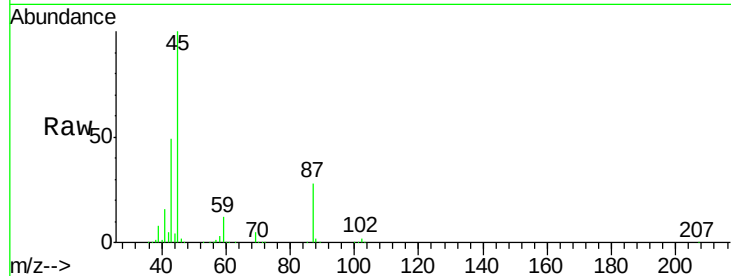
43 49.5 24.8 74.3

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU034478.D (-612) (-)

Ion 43.00 (42.70 to 43.70): VU034478.D (-612) (-)

250000

200000

150000

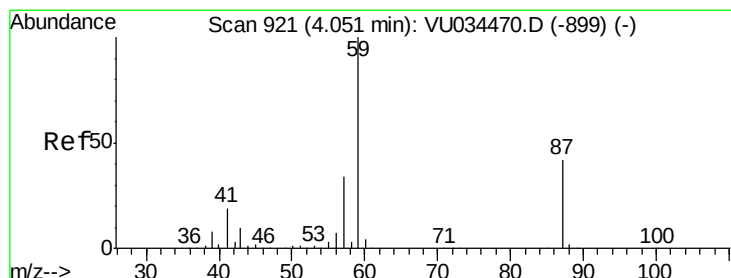
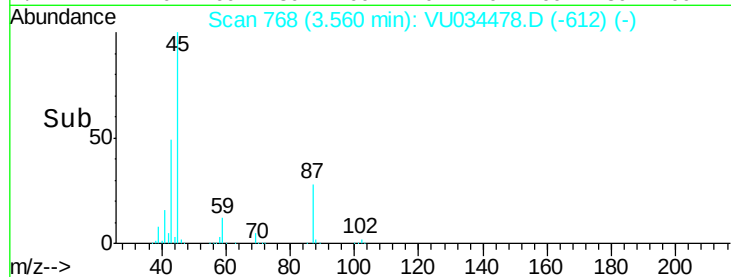
100000

50000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.943 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034478.D

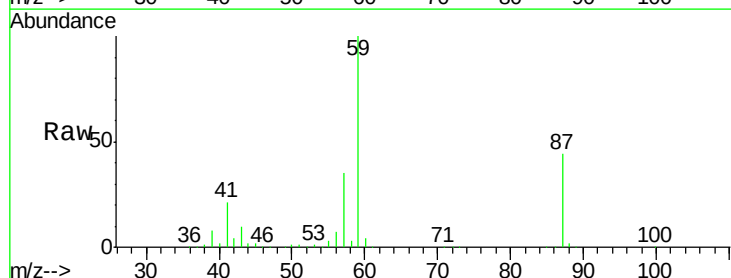
Acq: 11 Sep 2019 15:43

Tgt Ion: 59 Resp: 481680

Ion Ratio Lower Upper

59 100

87 42.5 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034478.D (-765) (-)

Ion 87.00 (86.70 to 87.70): VU034478.D (-765) (-)

200000

150000

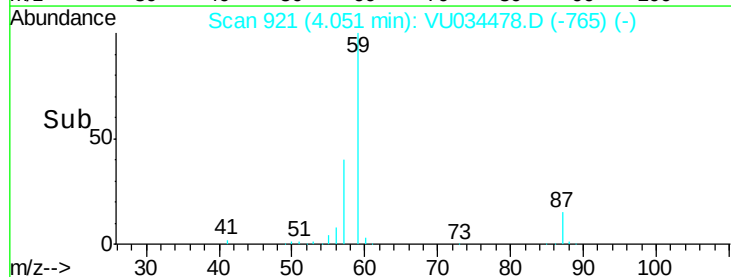
100000

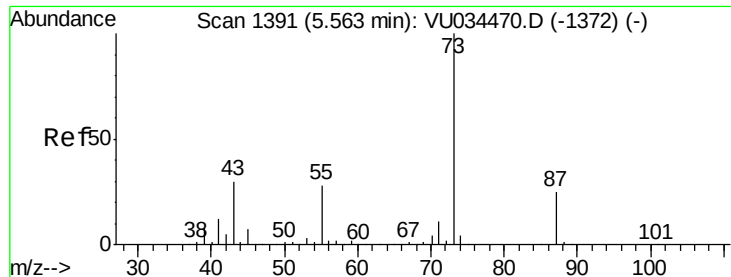
50000

0

4.00 4.05 4.10 4.15 4.20

Time-->





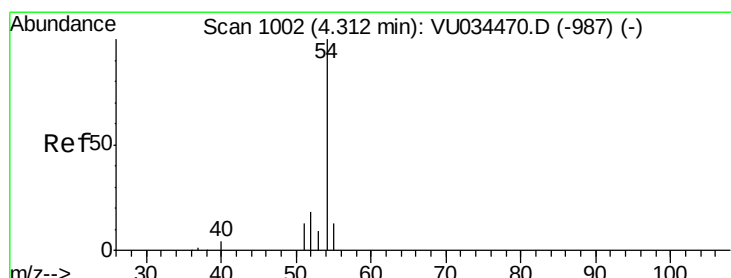
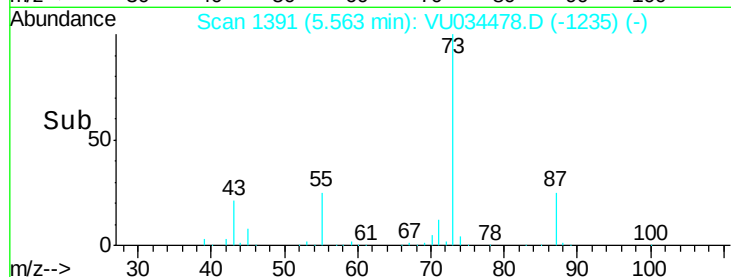
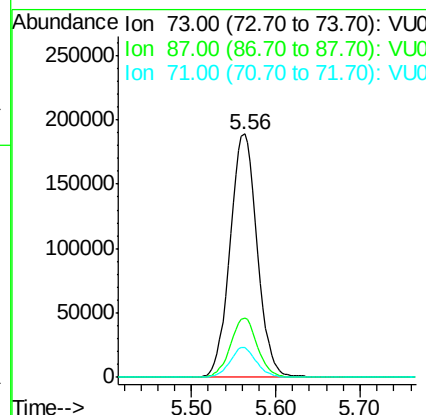
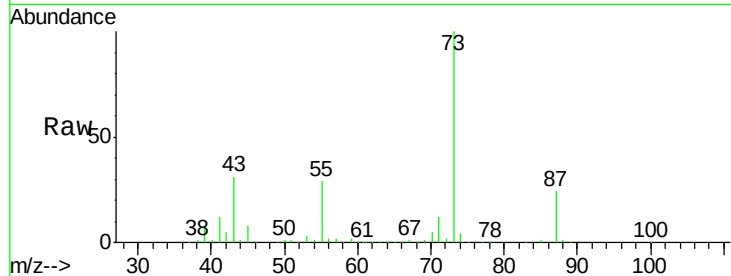
#33
Tert-Butyl methyl ether
Concen: 10.335 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.1	19.4	29.0
71	12.0	9.3	13.9

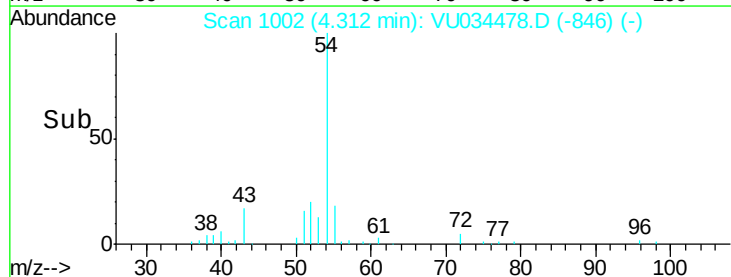
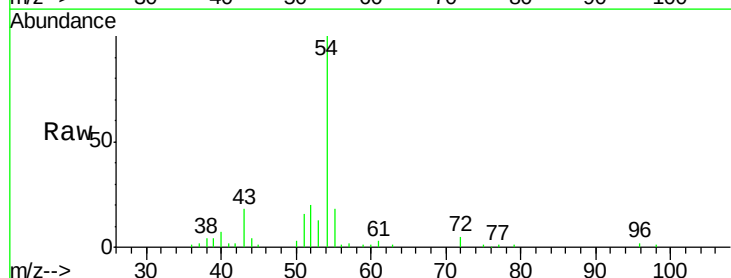
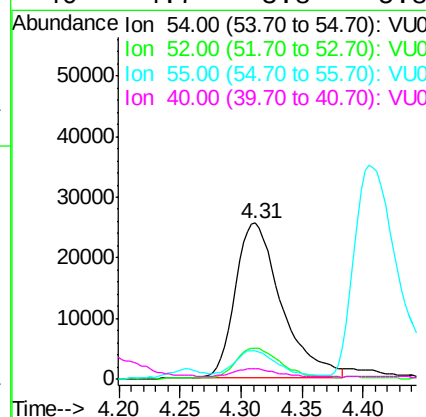
Manual Integrations
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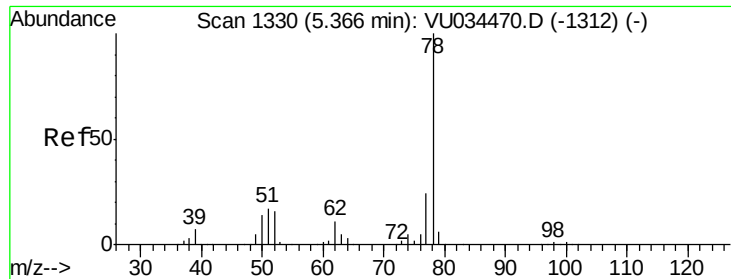
MMDadoda
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#34
Propionitrile
Concen: 51.375 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.9	14.1	21.1
55	14.7	13.3	19.9
40	4.7	3.8	5.8





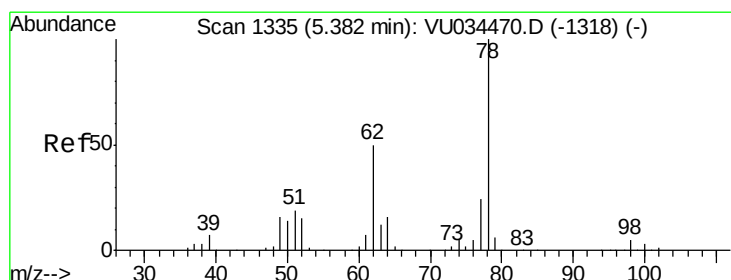
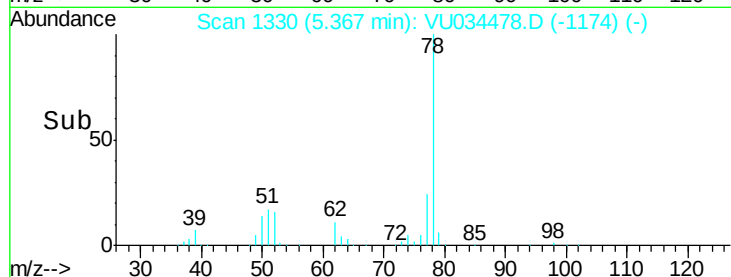
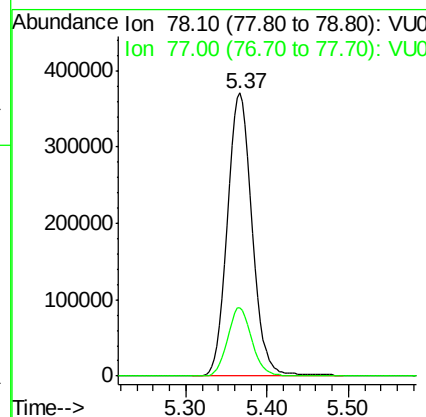
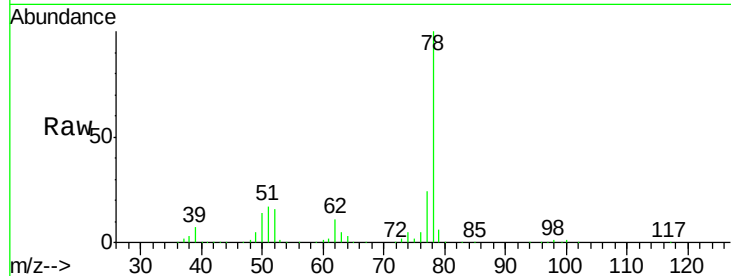
#35
Benzene
Concen: 9.618 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

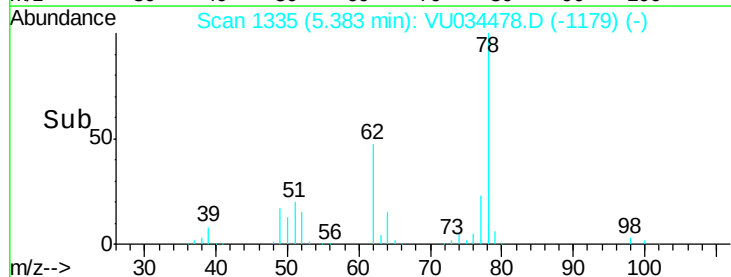
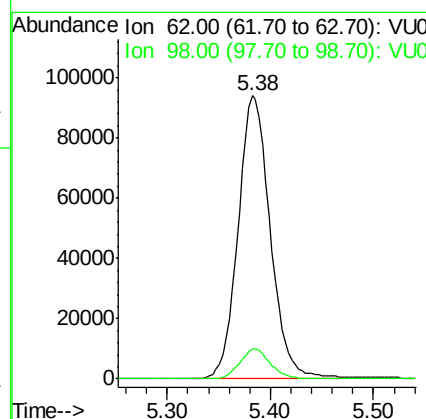
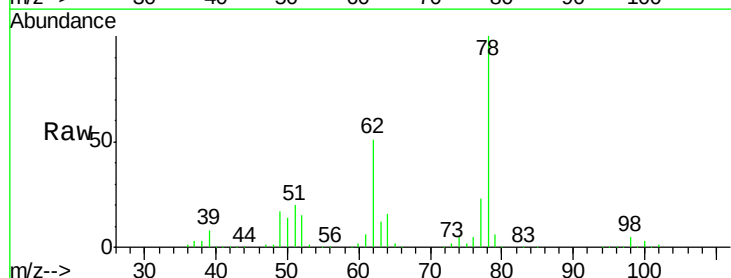
Manual Integrations
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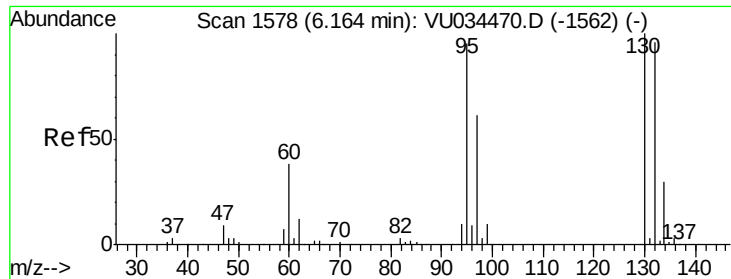
MMDadoda
9/12/2019 4:53:53 PM



#36
1,2-Dichloroethane
Concen: 9.574 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0





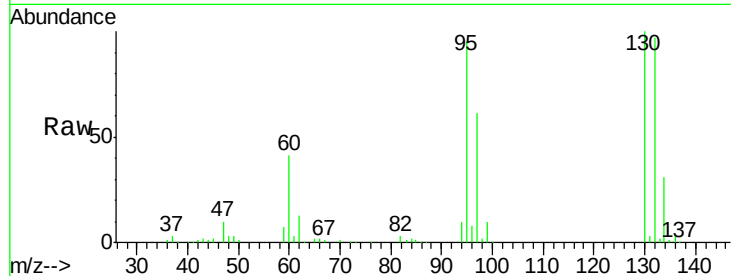
#37
 Trichloroethene
 Concen: 9.241 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

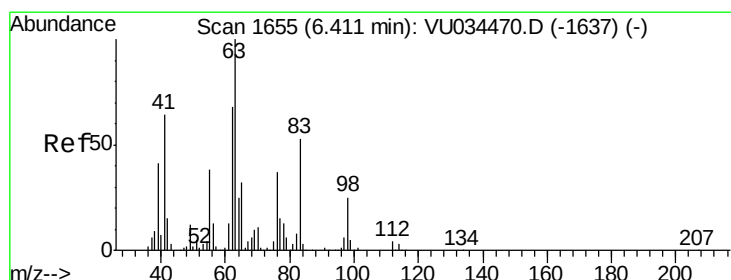
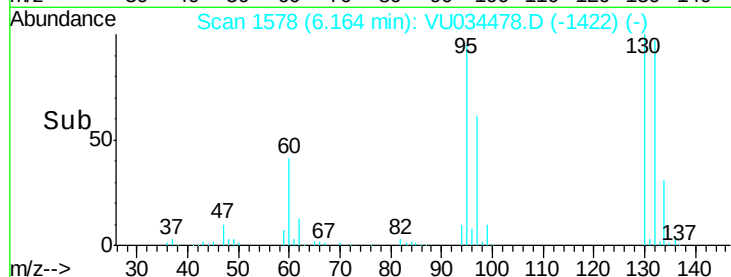
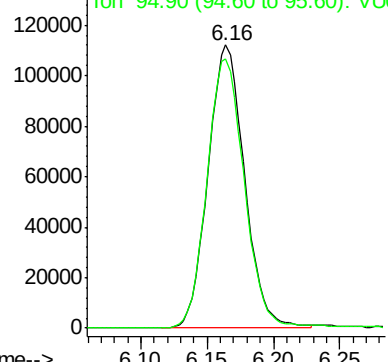
Tot Ion:130 Resp: 214869
 Ion Ratio Lower Upper
 130 100
 95 95.1 76.3 114.5

Manual Integrations
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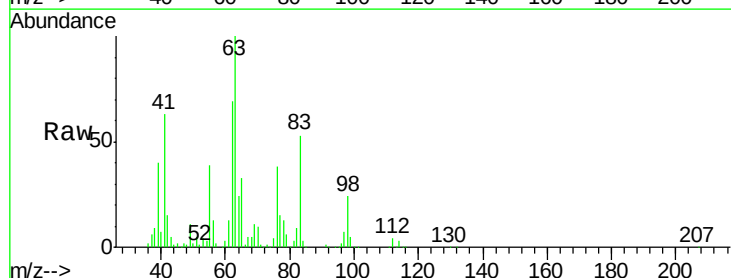


Abundance Ion 129.90 (129.60 to 130.60): VU034478.D (-1422) (-)

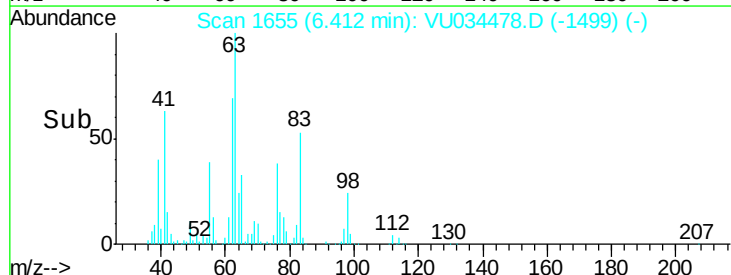
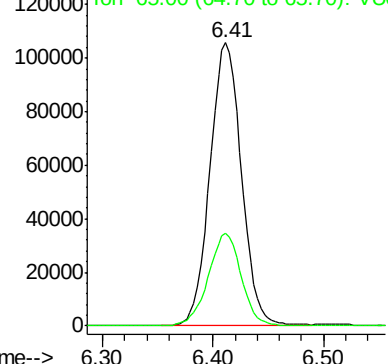


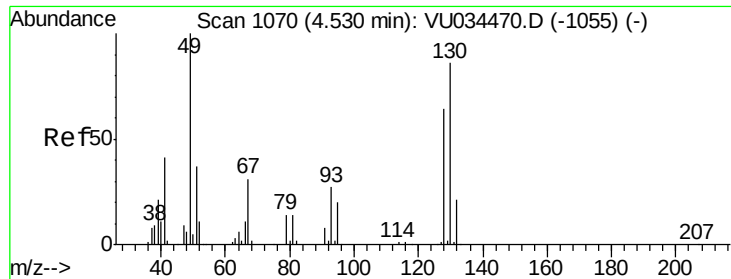
#38
 1,2-Dichloropropane
 Concen: 9.515 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion: 63 Resp: 209469
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034478.D (-1499) (-)





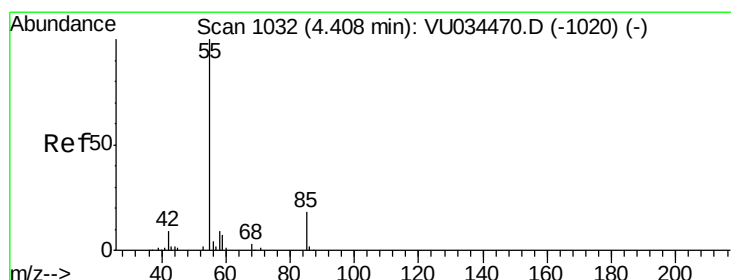
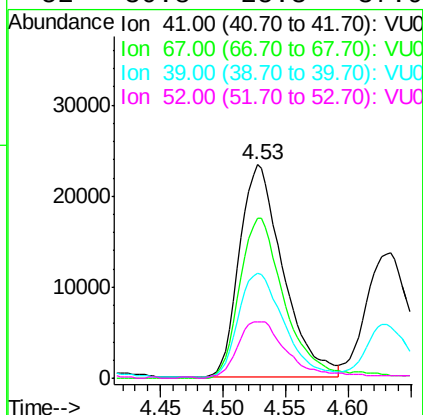
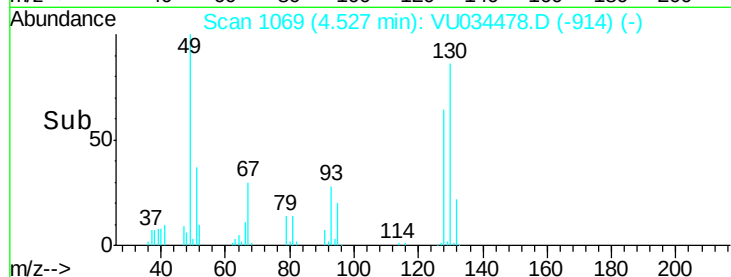
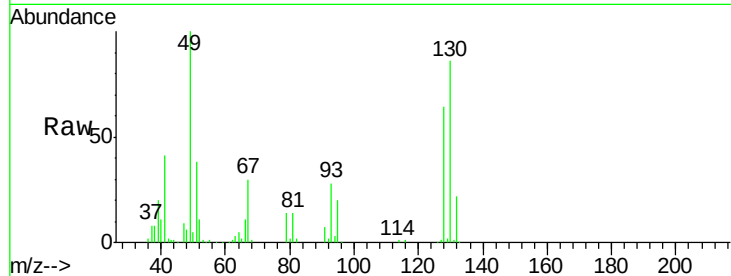
#39
Methacrylonitrile
Concen: 10.382 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	56347
Ion	Ratio	Lower	Upper
41	100		
67	77.0	62.6	94.0
39	51.0	41.6	62.4
52	30.8	25.3	37.9

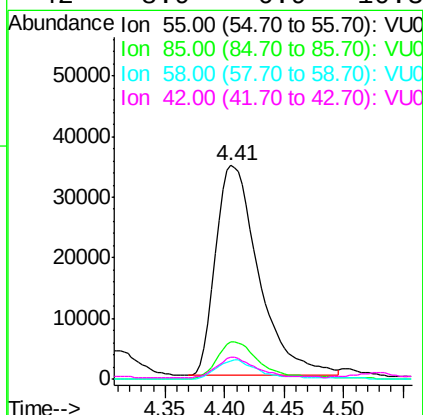
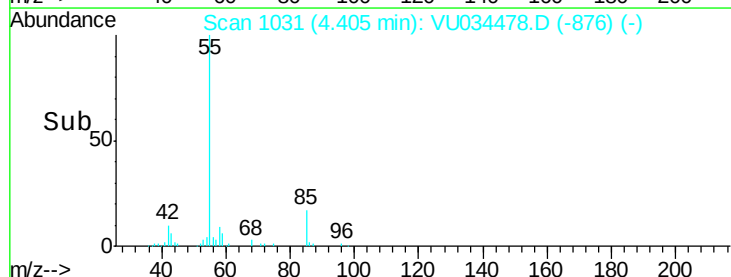
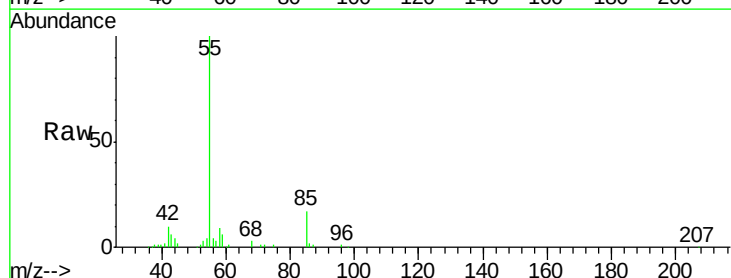
Manual Integrations
APPROVED

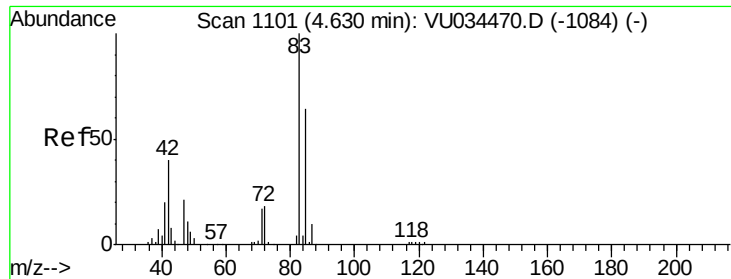
MMDadoda
9/12/2019 4:53:53 PM



#40
Methyl acrylate
Concen: 10.613 ug/l
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	55	Resp	87762
Ion	Ratio	Lower	Upper
55	100		
85	17.2	13.8	20.6
58	8.2	7.0	10.6
42	8.9	6.9	10.3





#41

Tetrahydrofuran

Concen: 20.408 ug/l

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

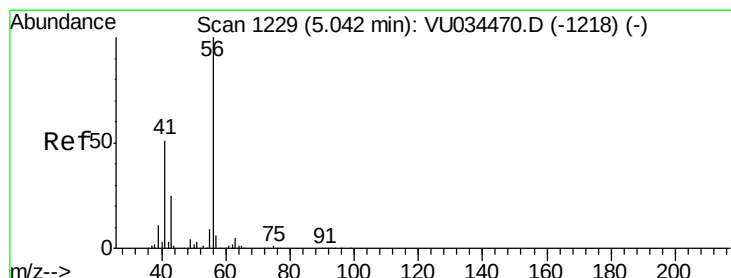
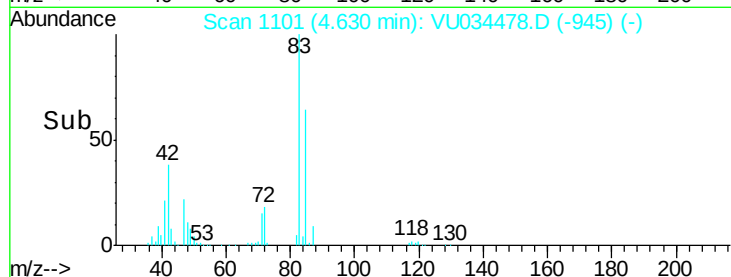
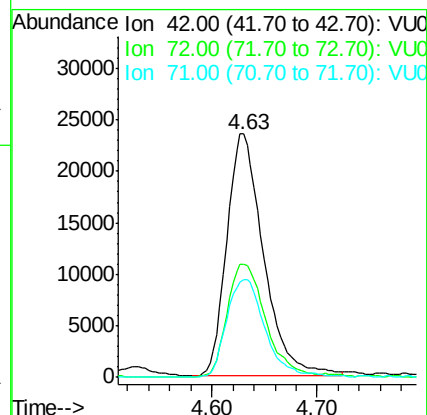
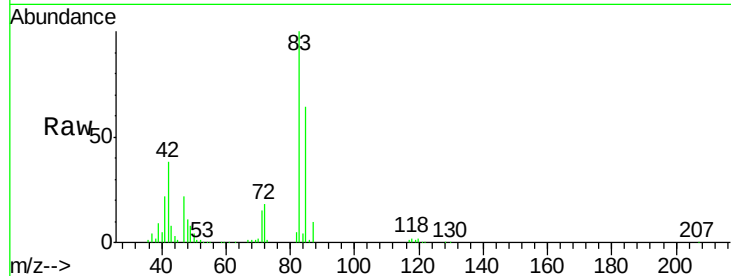
ClientSampleId :

VSTDCCC010EC

Tot Ion	42	Resp	56747
Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.6	59.4
71	42.6	33.6	50.4

Manual Integrations
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9/12/2019 4:53:53 PM



#42

1-Chlorobutane

Concen: 10.064 ug/l

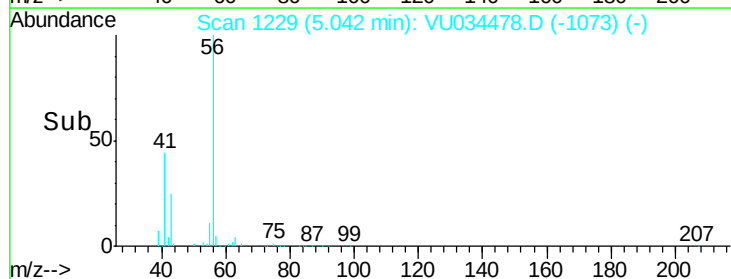
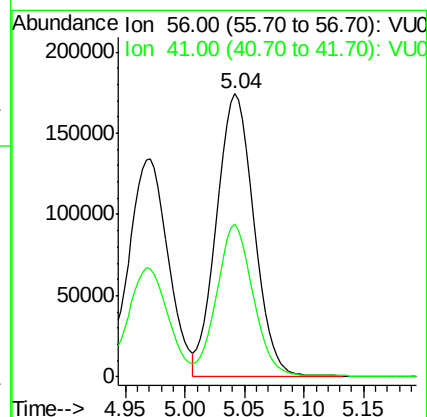
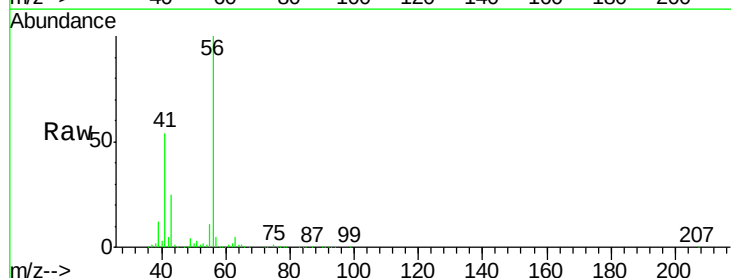
RT: 5.04 min Scan# 1229

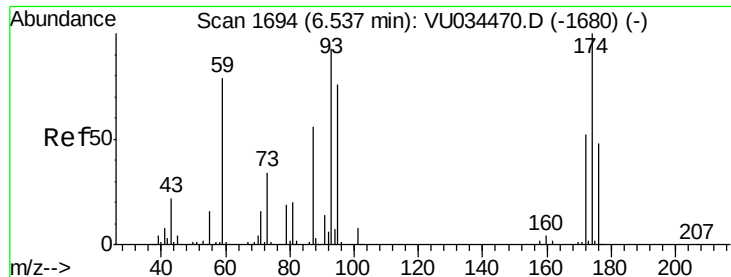
Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tgt Ion	56	Resp	378940
Ion	Ratio	Lower	Upper
56	100		
41	51.4	25.5	76.5





#43

Dibromomethane

Concen: 9.391 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 97312

Ion Ratio Lower Upper

93 100

95 81.7 67.1 100.7

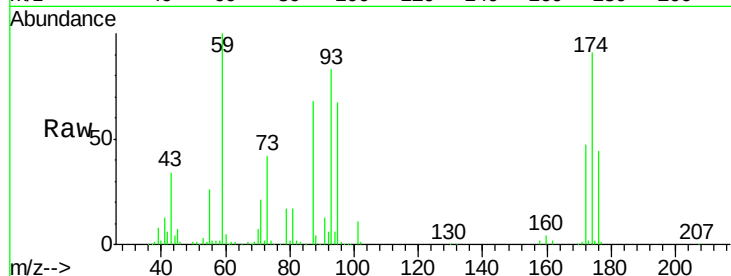
174 109.1 88.7 133.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 4:53:53 PM



Abundance Ion 93.00 (92.70 to 93.70): VU034478.D (-1680) (-)

Ion 95.00 (94.70 to 95.70): VU034478.D (-1680) (-)

Ion 174.00 (173.70 to 174.70): VU034478.D (-1680) (-)

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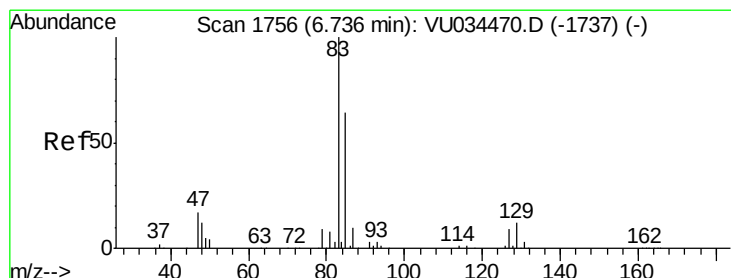
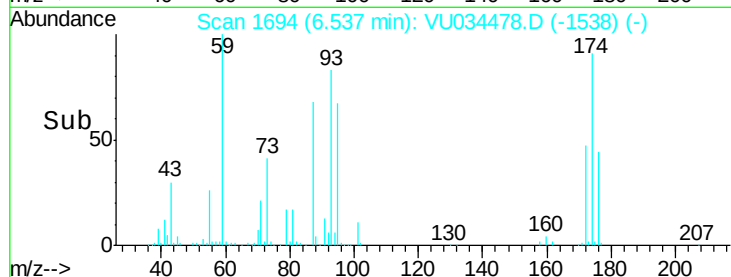
6.54

6.54

6.54

6.54

6.54



#44

Bromodichloromethane

Concen: 9.381 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

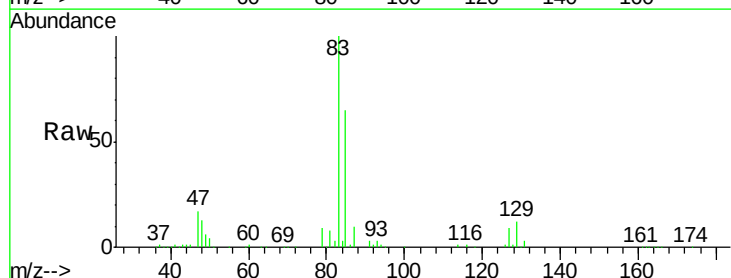
Tgt Ion: 83 Resp: 249790

Ion Ratio Lower Upper

83 100

85 64.8 51.1 76.7

127 9.2 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VU034478.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VU034478.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VU034478.D (-1600) (-)

6.74

6.74

6.74

6.74

6.74

6.74

6.74

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6.74

6.74

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6.74

6.74

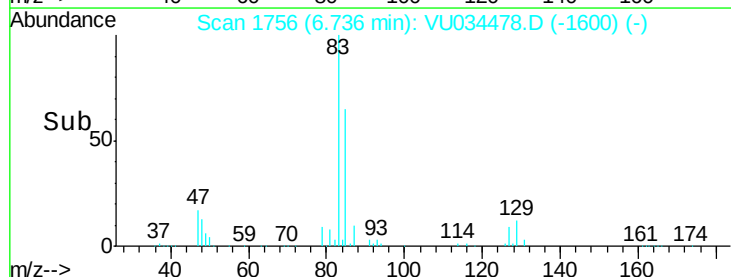
6.74

6.74

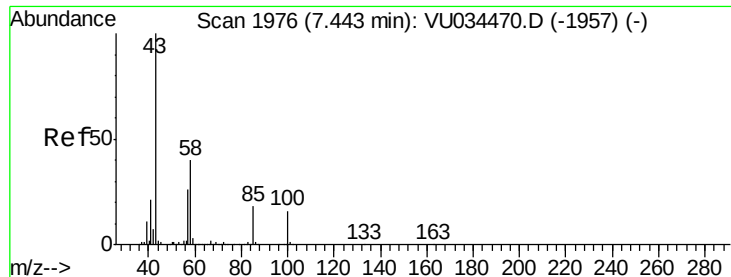
6.74

6.74

6.74



Time-->



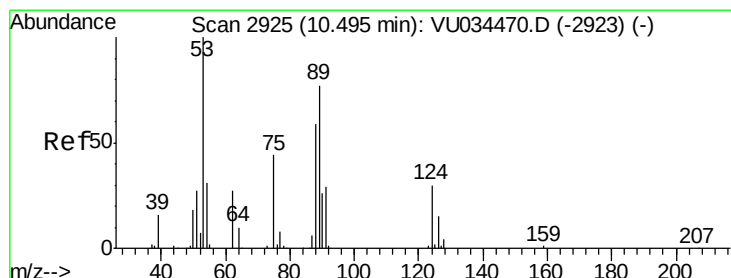
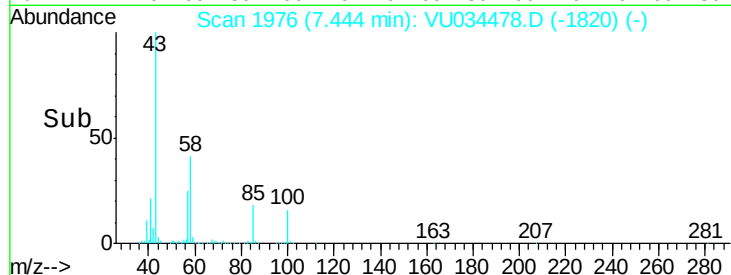
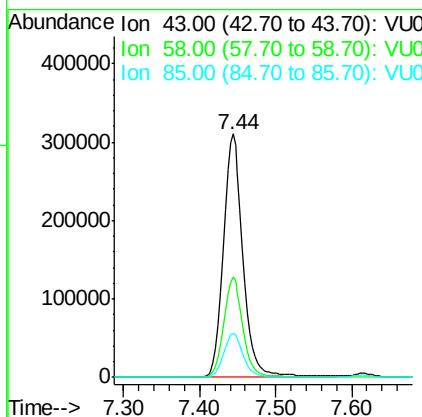
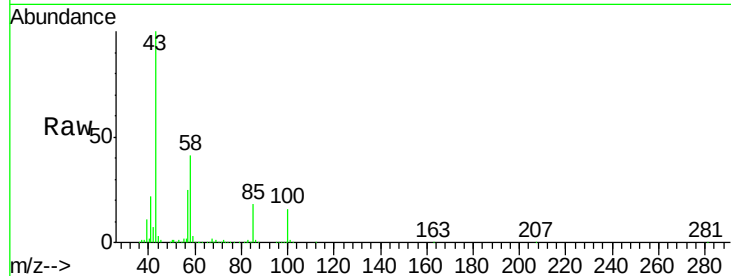
#45
4-Methyl-2-Pentanone
Concen: 52.716 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	20.2	60.6
85	18.2	14.6	21.8

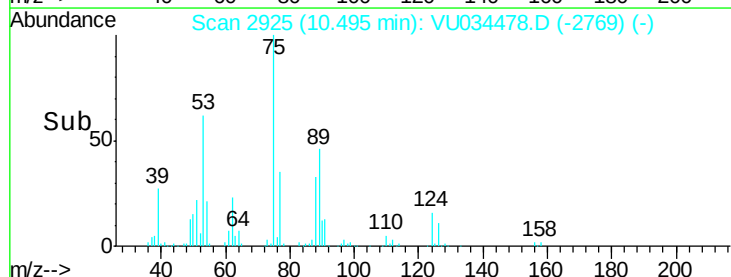
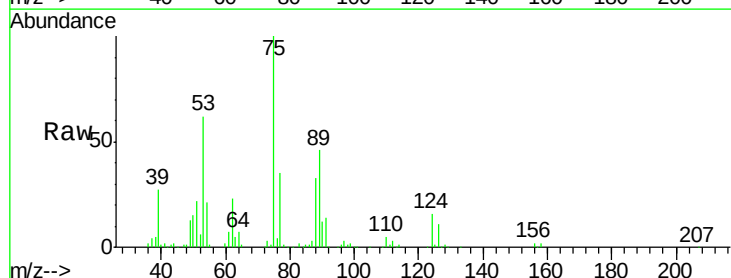
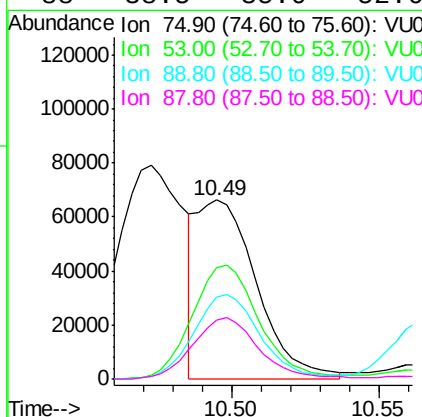
Manual Integrations
APPROVED

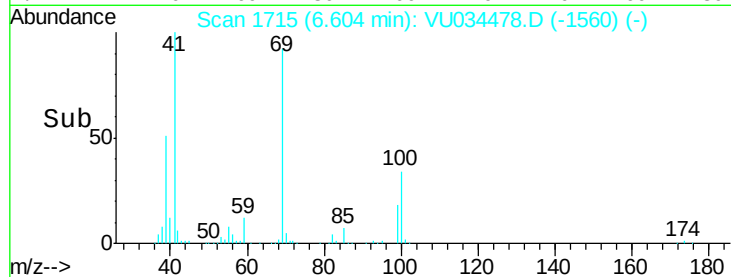
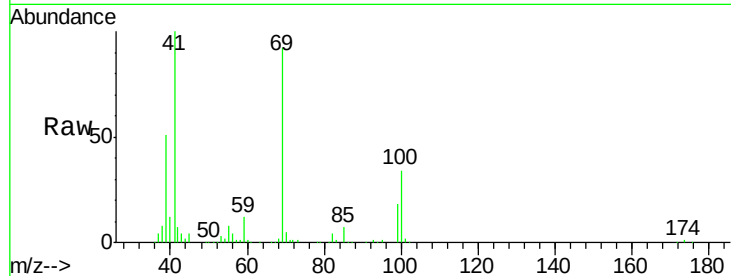
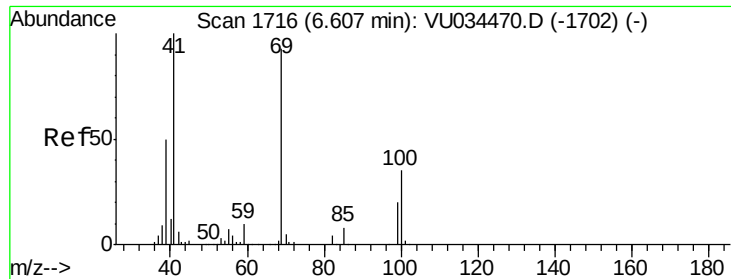
MMDadoda
9/12/2019 4:53:53 PM



#46
t-1,4-Dichloro-2-butene
Concen: 22.286 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.1	63.3	94.9
89	52.6	46.2	69.2
88	38.5	35.0	52.6





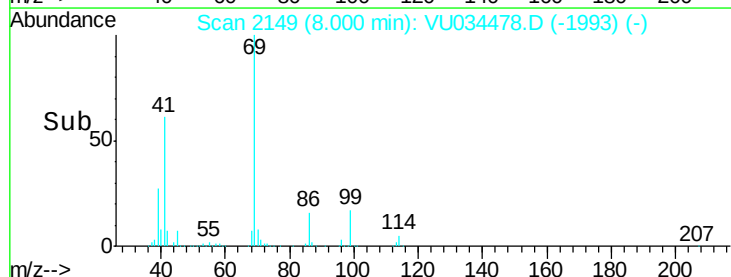
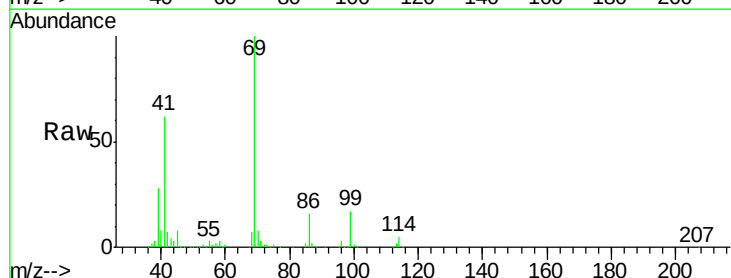
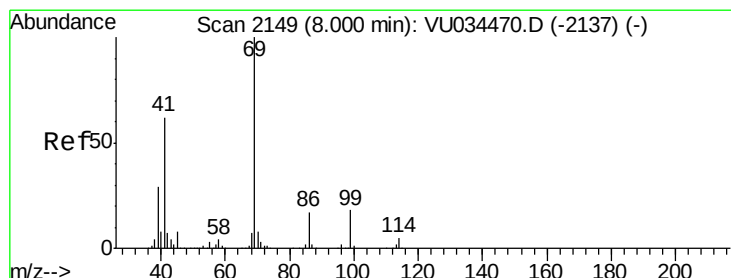
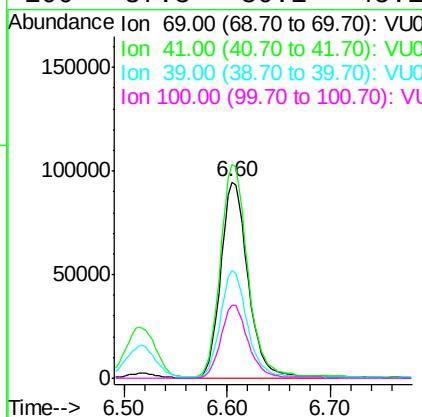
#47
Methyl methacrylate
Concen: 21.315 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	107.3	0.0	212.8		
39	52.7	43.0	64.4		
100	37.3	30.1	45.1		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

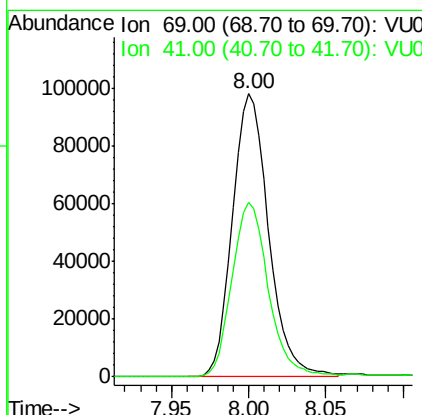
Manual Integrations
APPROVED

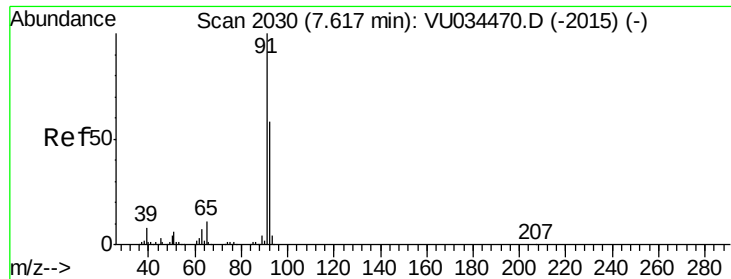
MMDadoda
9/12/2019 4:53:53 PM



#48
Ethyl methacrylate
Concen: 10.763 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.6	30.6	91.8		





#49

Toluene

Concen: 10.198 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 494466

Ion Ratio Lower Upper

92 100

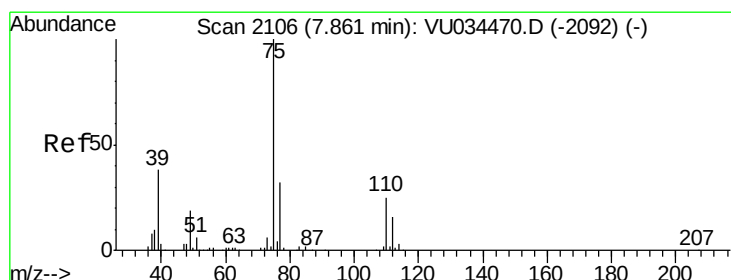
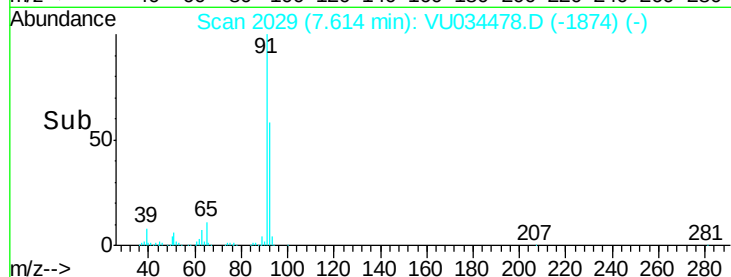
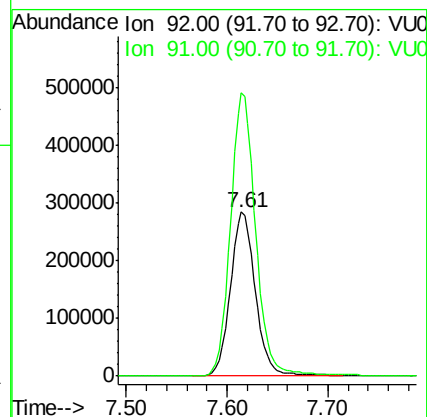
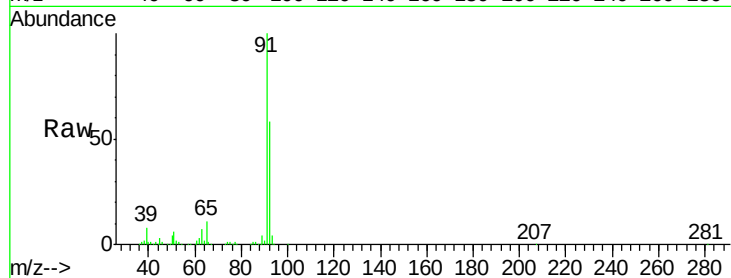
91 173.7 138.6 208.0

Manual Integrations

APPROVED

MMDadoda

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#50

t-1,3-Dichloropropene

Concen: 10.043 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034478.D

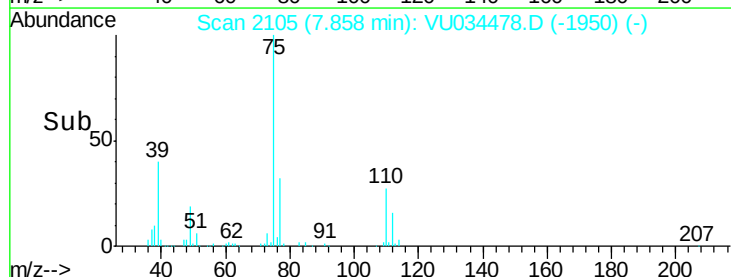
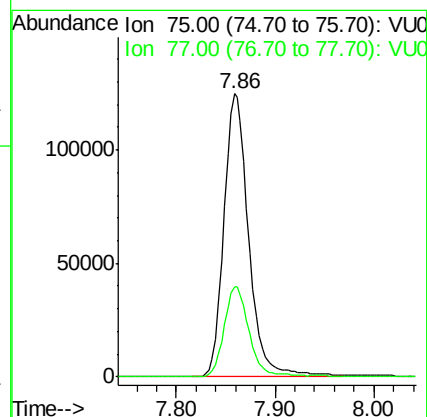
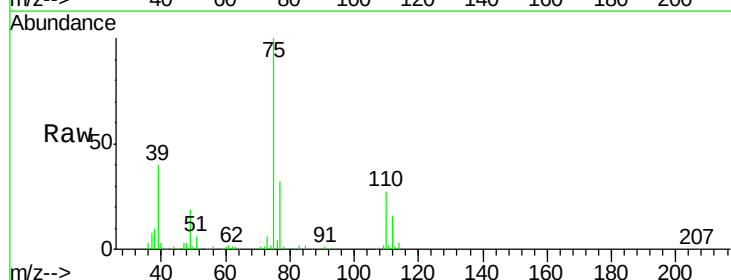
Acq: 11 Sep 2019 15:43

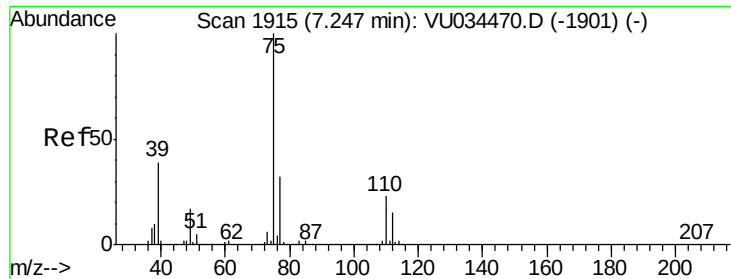
Tgt Ion: 75 Resp: 220185

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0





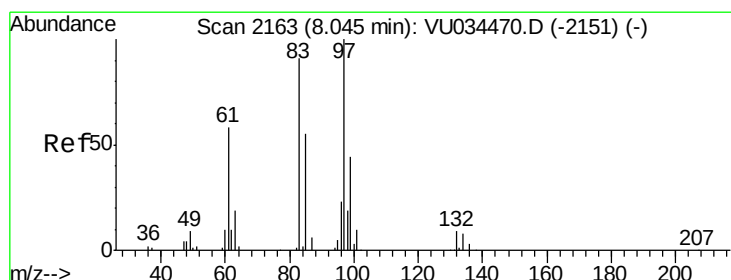
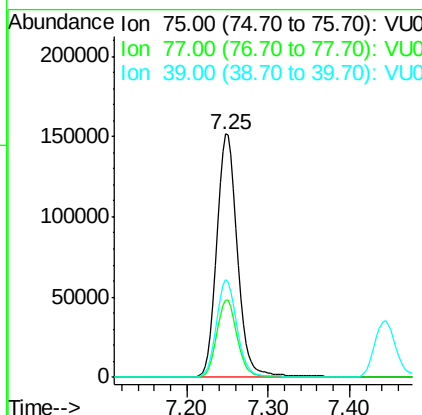
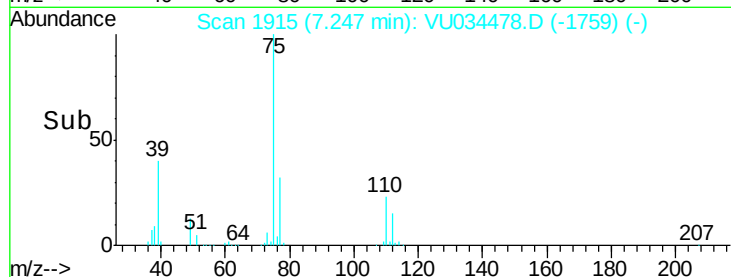
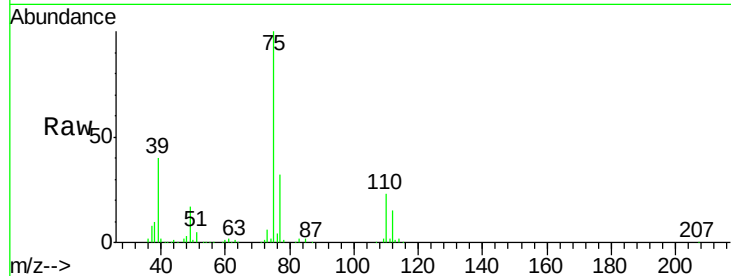
#51
 cis-1,3-Dichloropropene
 Concen: 9.990 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	40.2	31.0	46.4

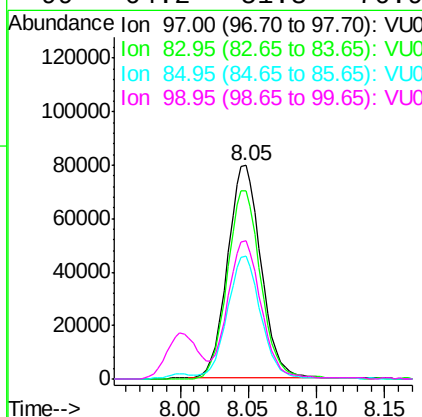
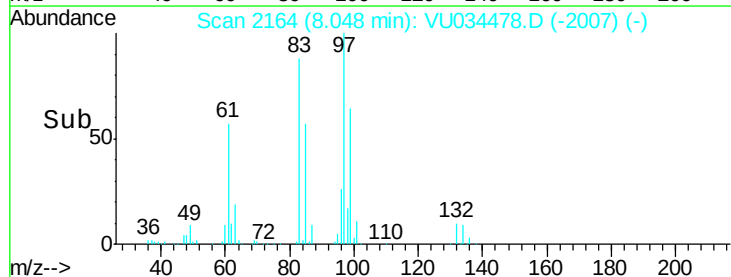
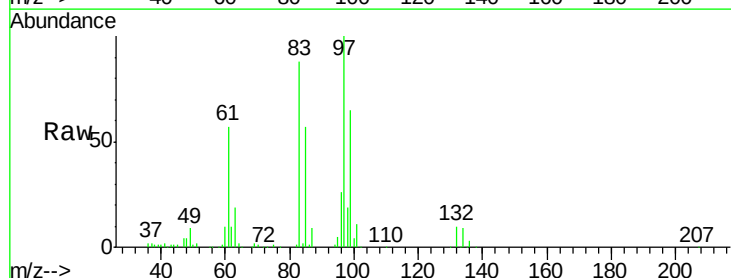
Manual Integrations
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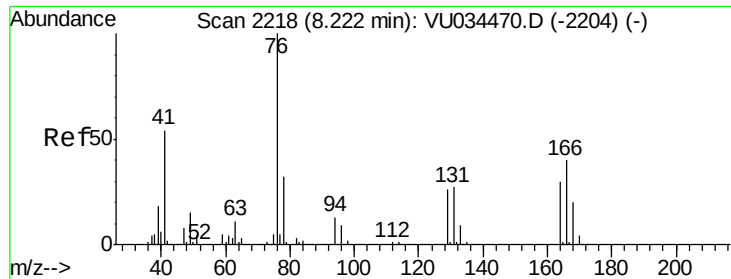
MMDadoda
 9/12/2019 4:53:53 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.437 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.5	108.7
85	57.3	45.4	68.0
99	64.2	51.3	76.9





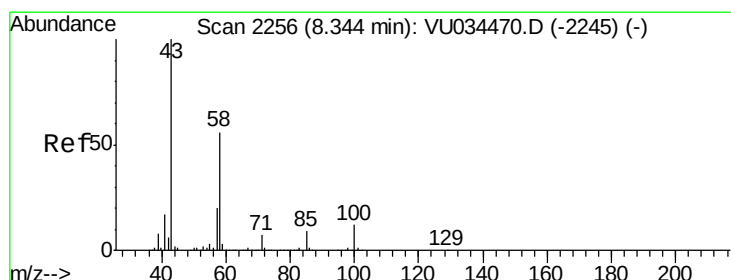
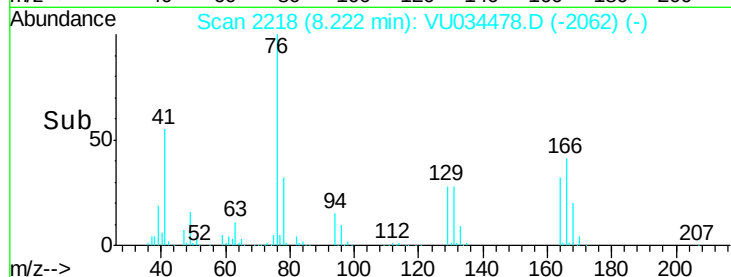
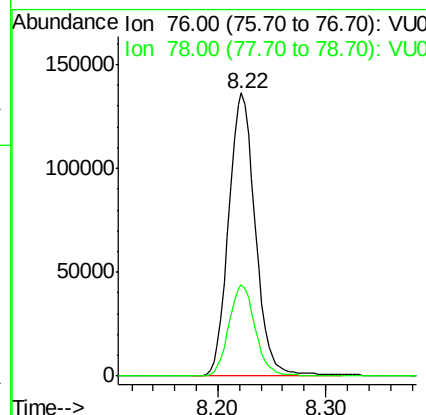
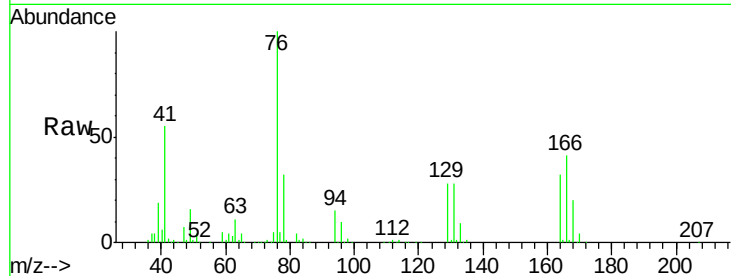
#53
 1,3-Dichloropropane
 Concen: 9.778 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

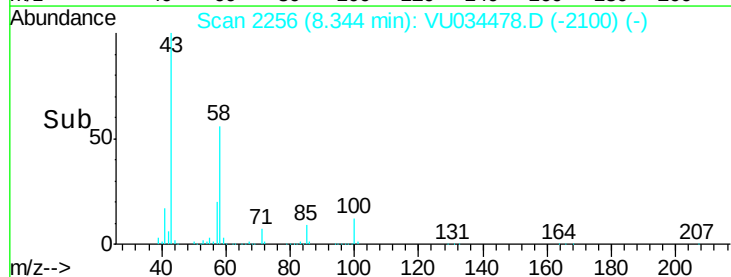
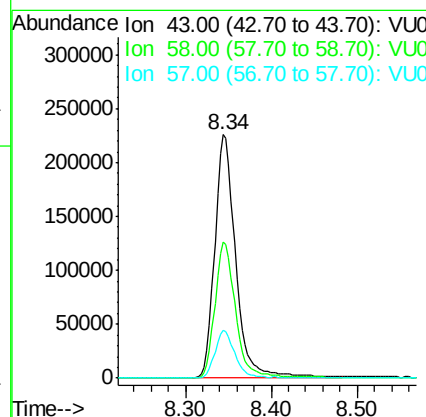
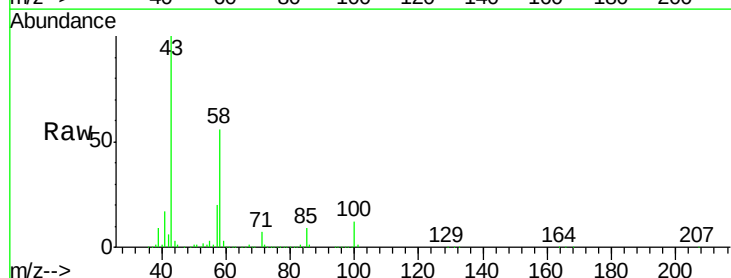
Manual Integrations
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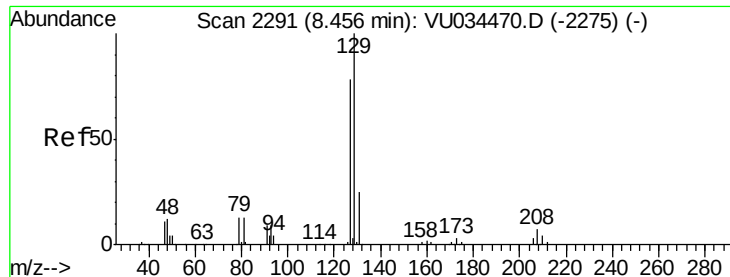
MMDadoda
 9/12/2019 4:53:53 PM



#54
 2-Hexanone
 Concen: 54.511 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.5	36.4	76.4
57	18.9	0.0	39.5





#55

Dibromochloromethane

Concen: 9.796 ug/l

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 171293

Ion Ratio Lower Upper

129 100

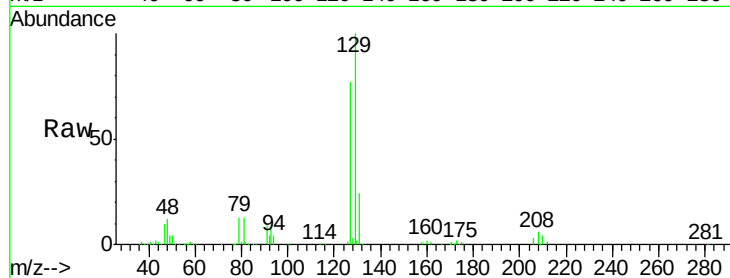
127 76.8 60.9 91.3

Manual Integrations

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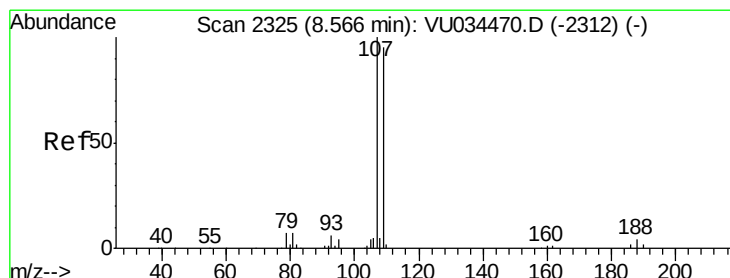
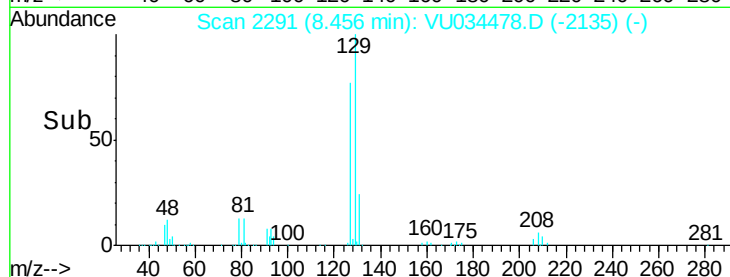
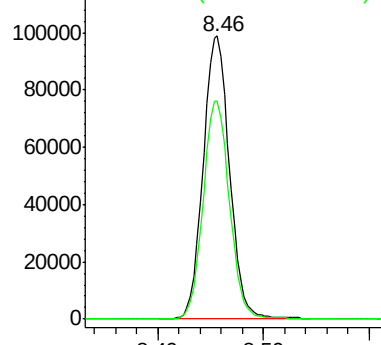
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 9.625 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034478.D

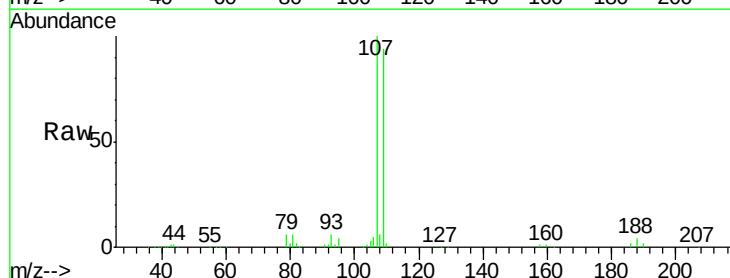
Acq: 11 Sep 2019 15:43

Tgt Ion:107 Resp: 127090

Ion Ratio Lower Upper

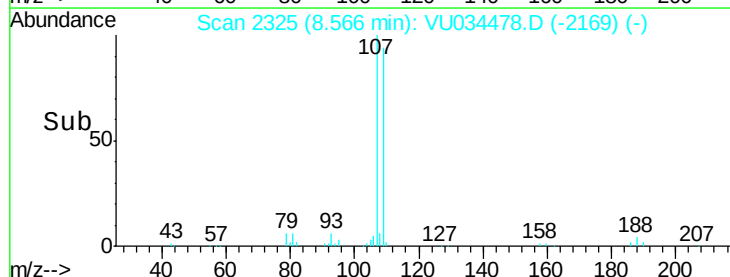
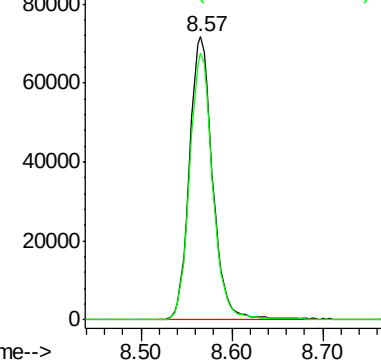
107 100

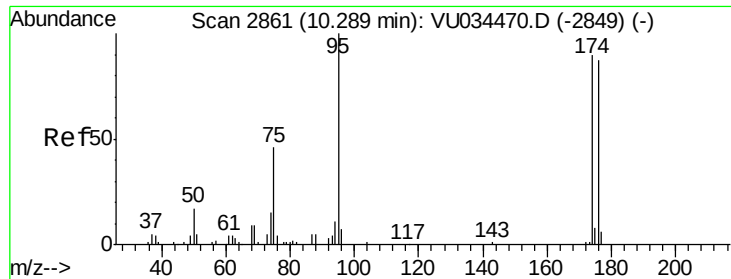
109 94.4 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





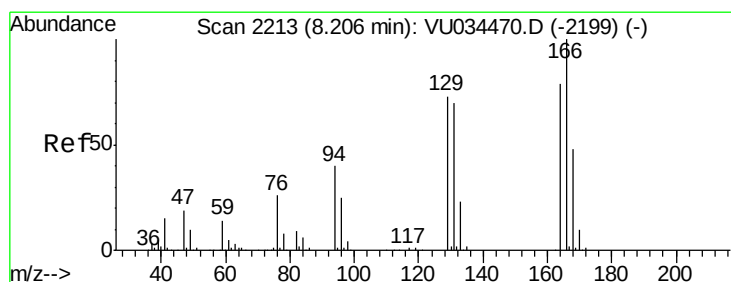
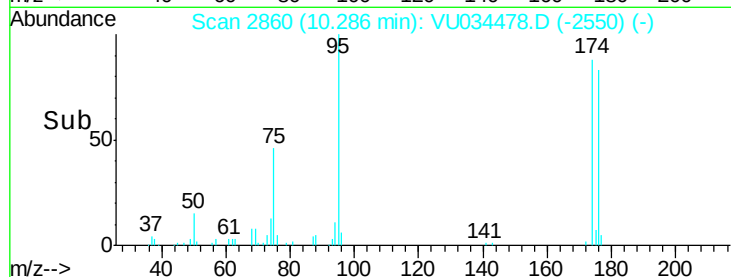
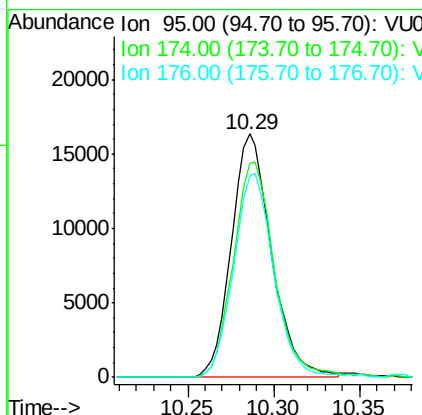
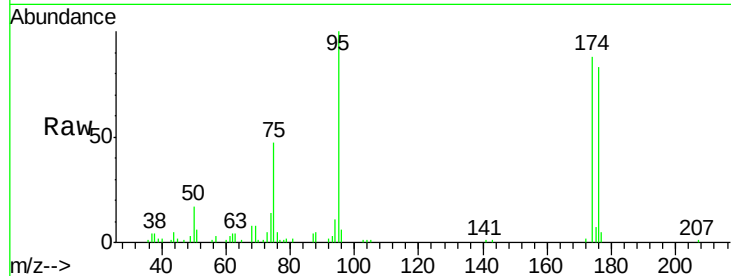
#57
4-Bromofluorobenzene
Concen: 0.987 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.4	70.1	105.1
176	83.5	67.7	101.5

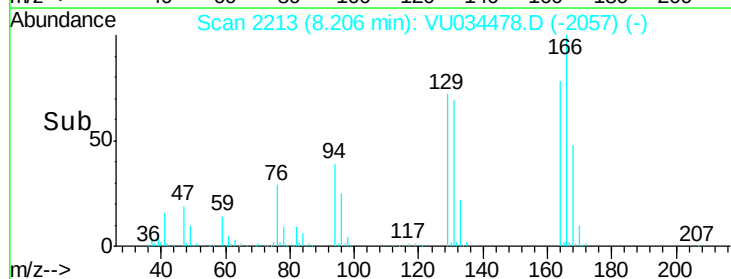
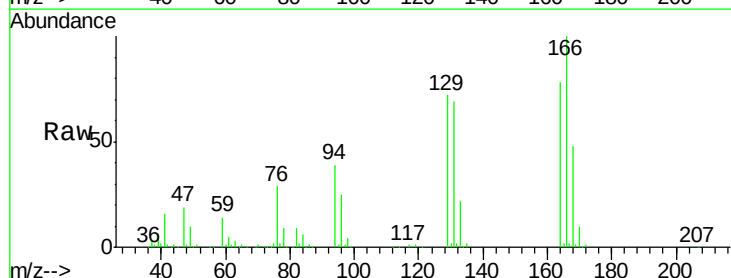
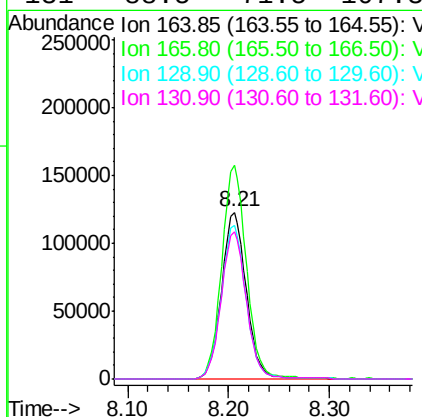
Manual Integrations
APPROVED

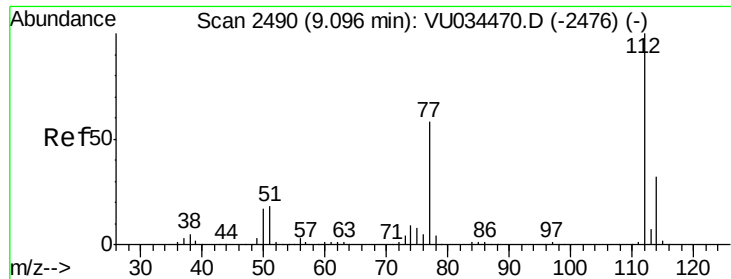
MMDadoda
9/12/2019 4:53:53 PM



#58
Tetrachloroethene
Concen: 9.591 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.5	152.3
129	92.1	73.8	110.8
131	88.5	71.5	107.3





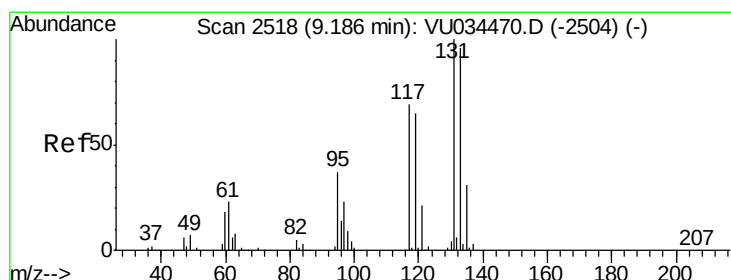
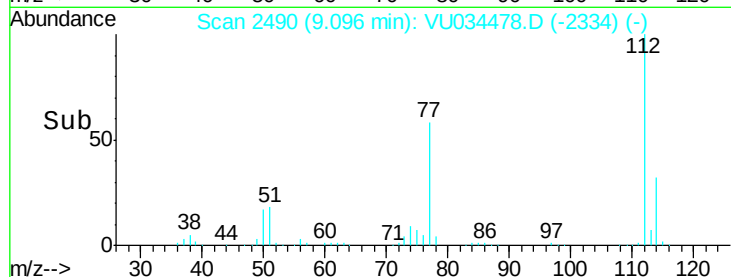
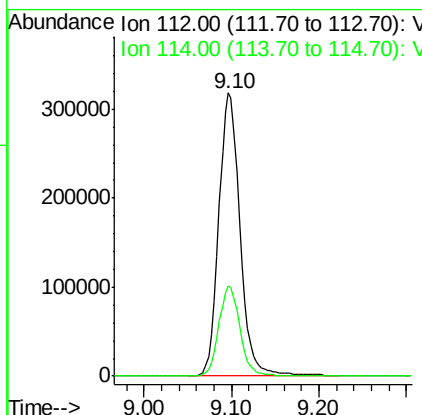
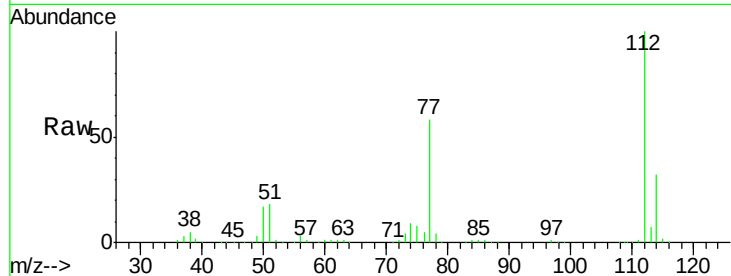
#59
Chlorobenzene
Concen: 9.961 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 538110
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

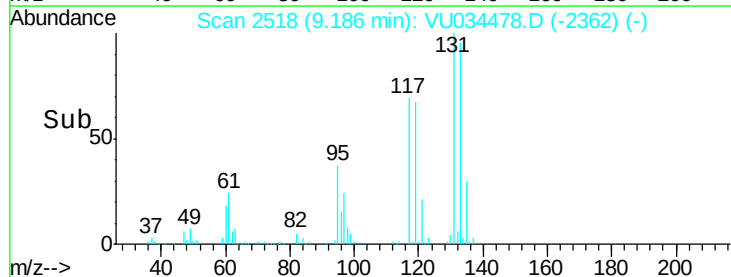
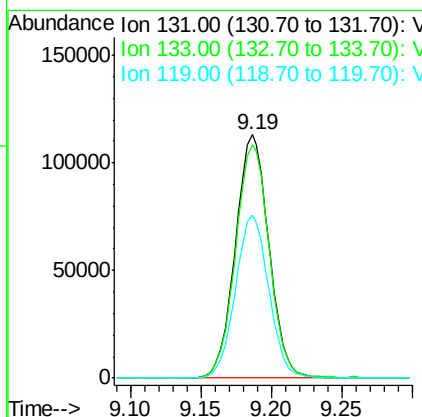
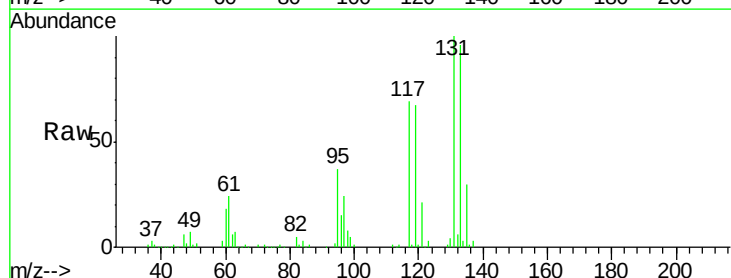
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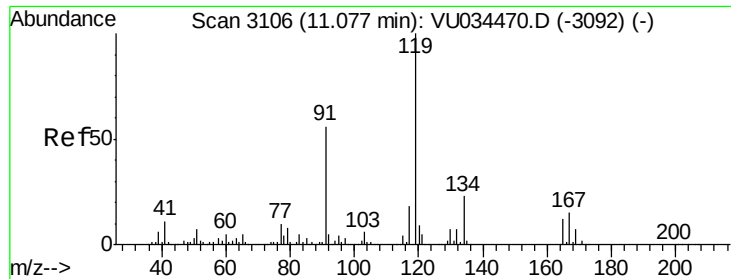
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.408 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion:131 Resp: 188228
Ion Ratio Lower Upper
131 100
133 96.5 76.8 115.2
119 66.4 52.4 78.6





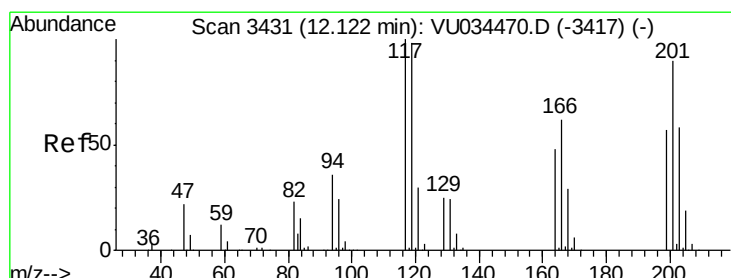
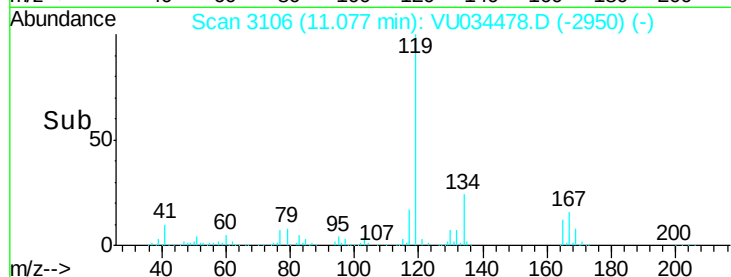
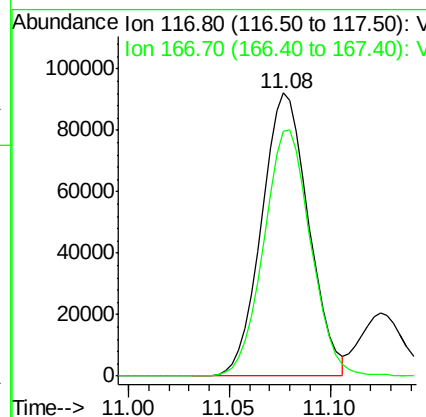
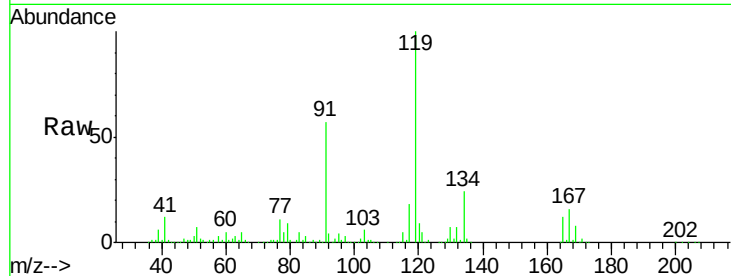
#61
 Pentachloroethane
 Concen: 9.244 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:117 Resp: 149701
 Ion Ratio Lower Upper
 117 100
 167 87.0 70.7 106.1

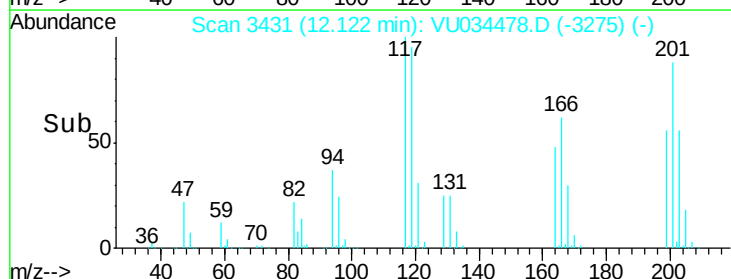
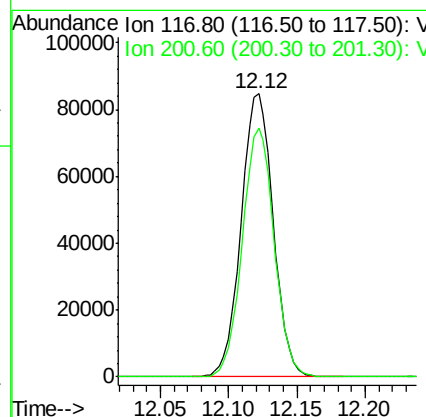
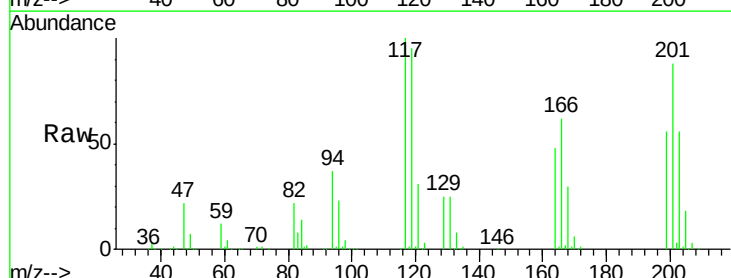
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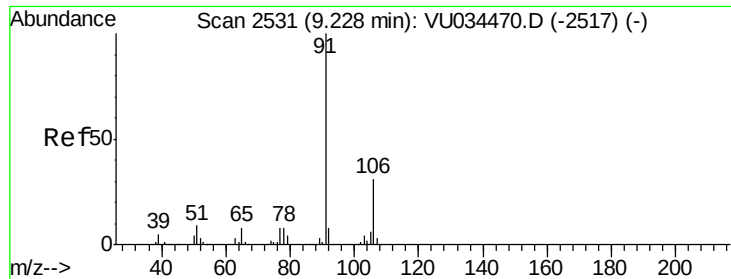
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#62
 Hexachloroethane
 Concen: 9.630 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion:117 Resp: 138491
 Ion Ratio Lower Upper
 117 100
 201 87.0 71.8 107.8





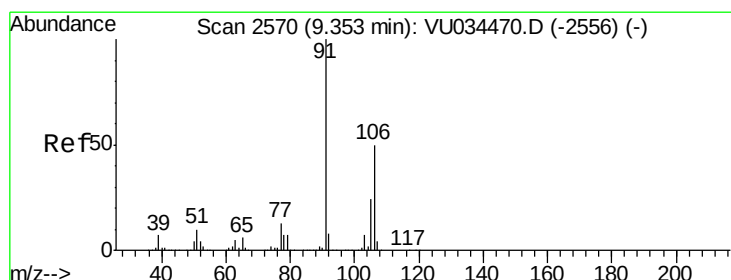
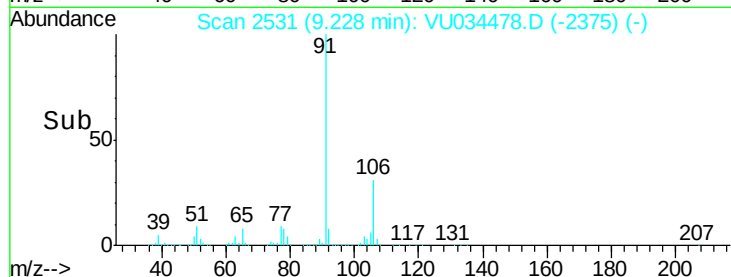
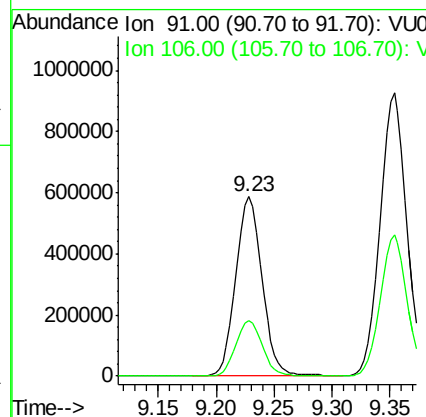
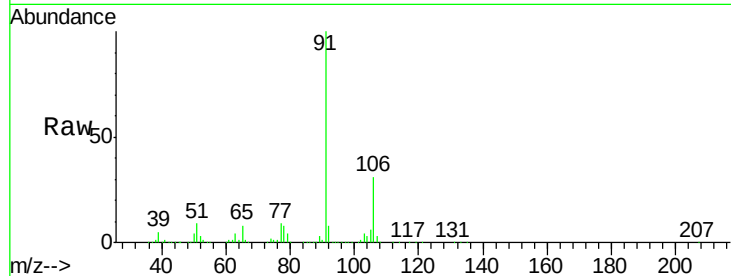
#63
Ethyl Benzene
Concen: 10.638 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 921560
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8

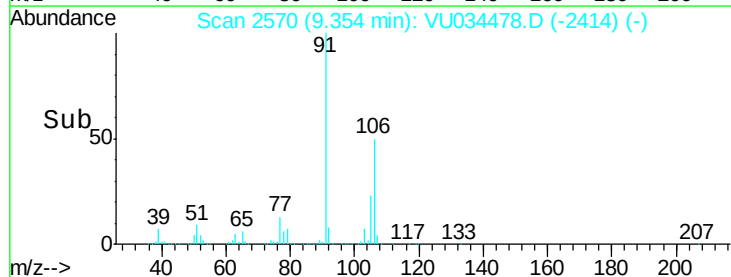
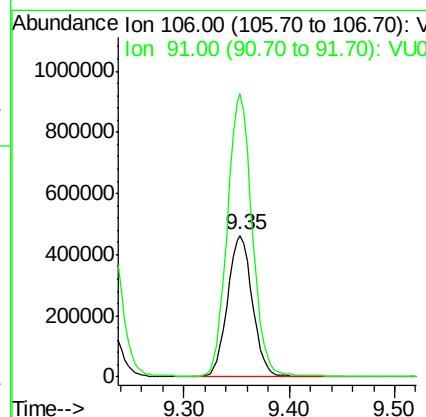
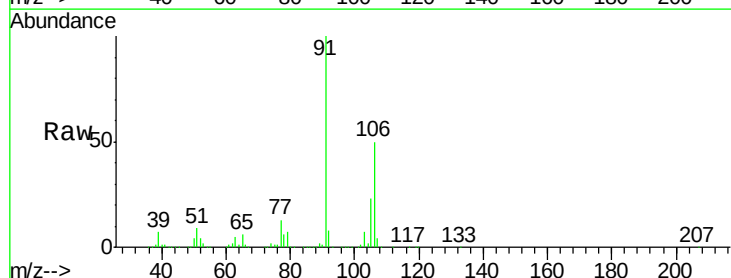
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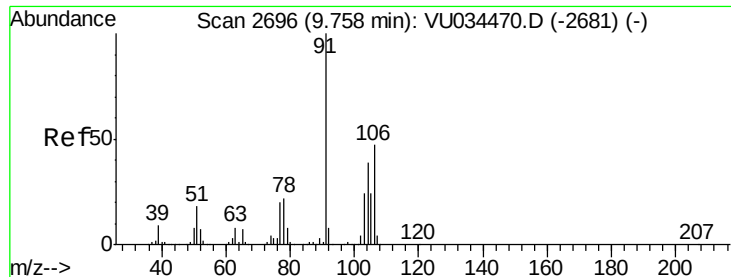
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#64
m/p-Xylenes
Concen: 21.407 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion: 106 Resp: 751142
Ion Ratio Lower Upper
106 100
91 200.4 161.8 242.6





#65

o-Xylene

Concen: 10.516 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:106 Resp: 351536

Ion Ratio Lower Upper

106 100

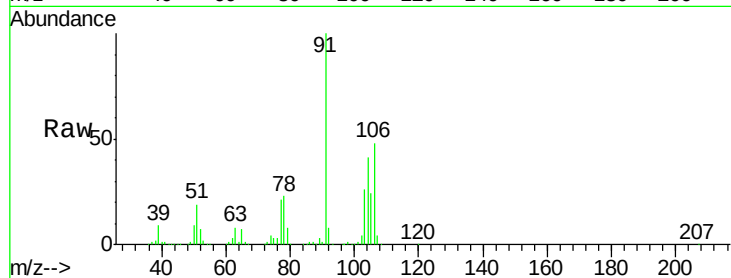
91 210.0 104.7 313.9

Manual Integrations

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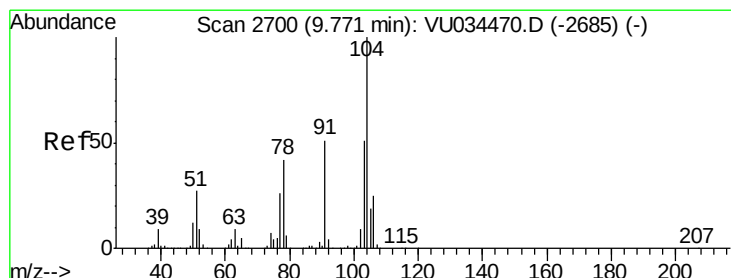
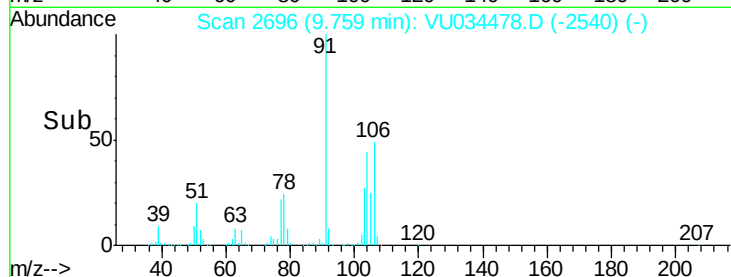
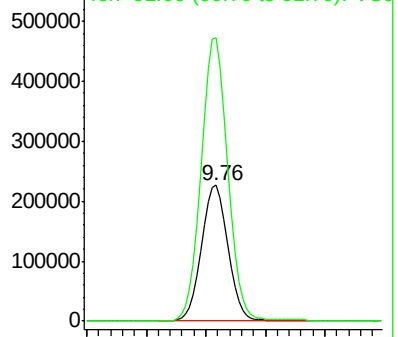
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.966 ug/l

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

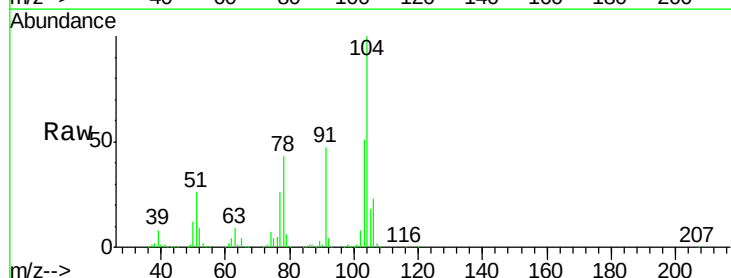
Tgt Ion:104 Resp: 613637

Ion Ratio Lower Upper

104 100

78 48.0 37.8 56.6

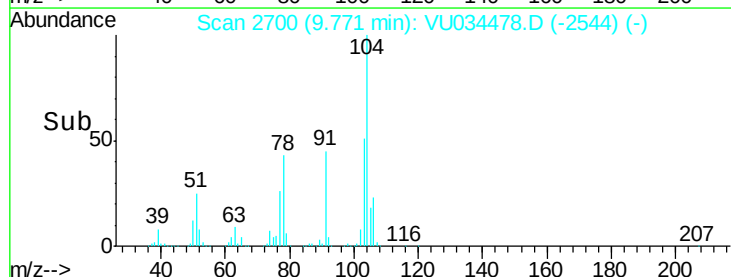
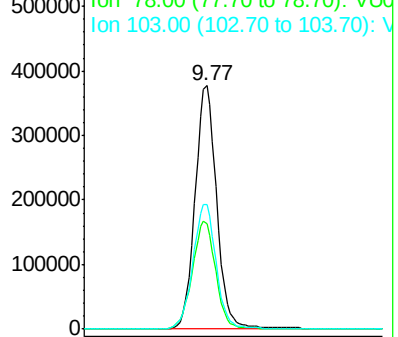
103 55.1 43.8 65.8

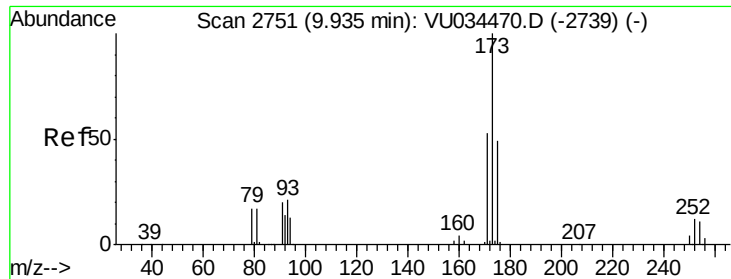


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 9.827 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

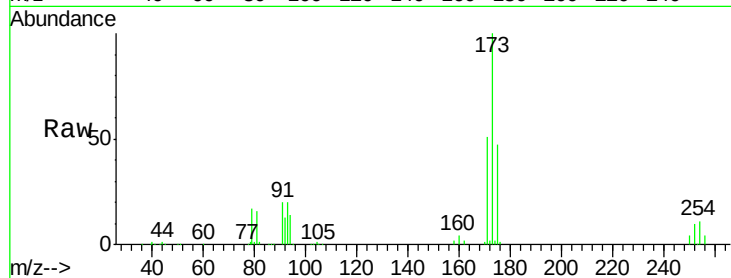
ClientSampleId :

VSTDCCC010EC

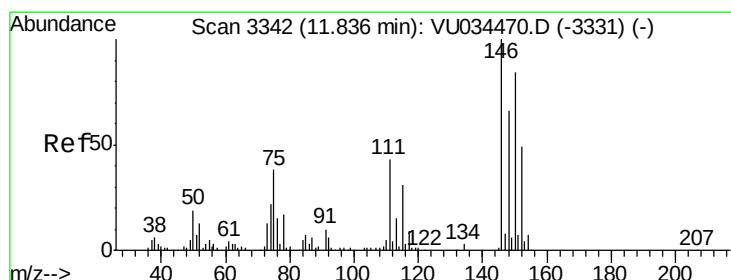
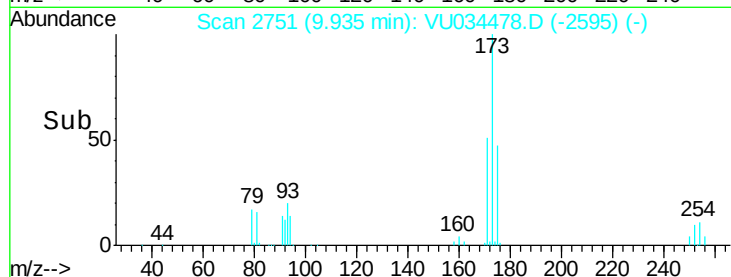
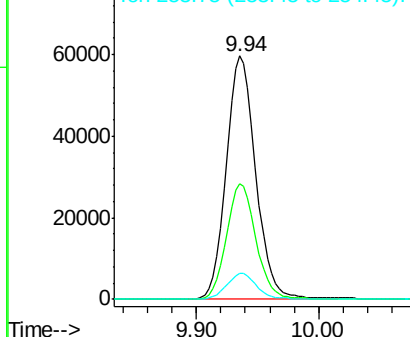
Tot Ion:	173	Resp:	101013
Ion Ratio	Lower	Upper	
173	100		
175	47.4	39.1	58.7
254	10.8	8.6	13.0

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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: 0.947 ug/l

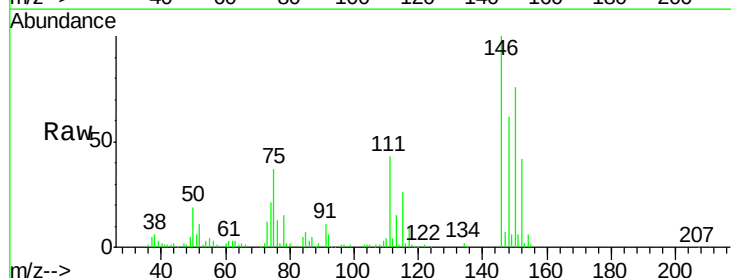
RT: 11.84 min Scan# 3342

Delta R.T. 0.00 min

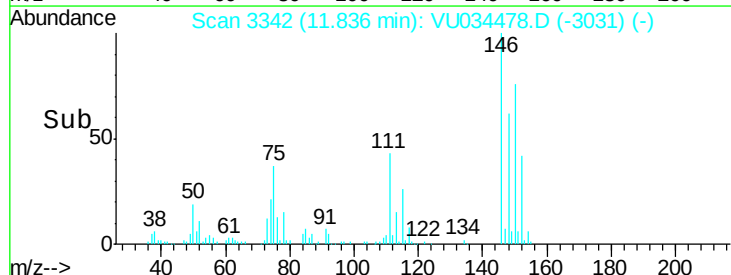
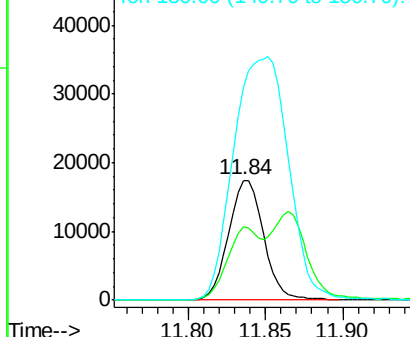
Lab File: VU034478.D

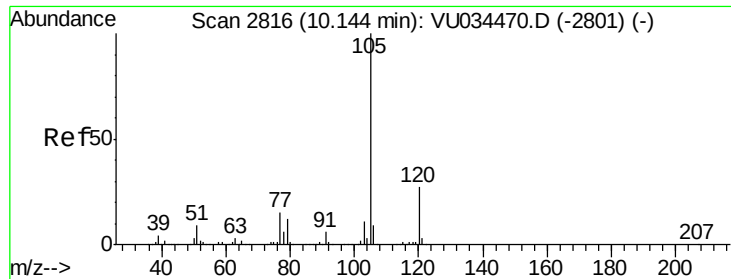
Acq: 11 Sep 2019 15:43

Tgt Ion:	152	Resp:	27393
Ion Ratio	Lower	Upper	
152	100		
115	58.4	0.0	126.6
150	0.0	0.0	633.6



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: 10.695 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 931912

Ion Ratio Lower Upper

105 100

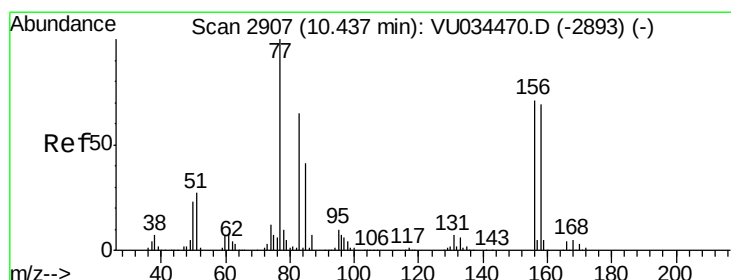
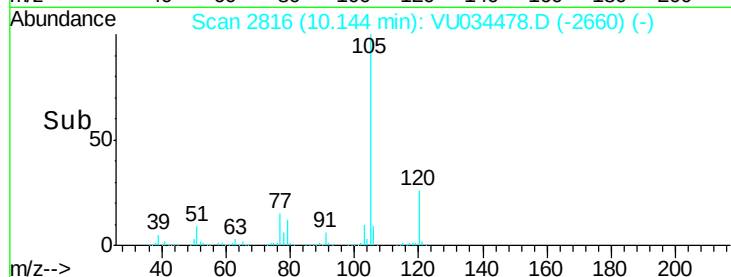
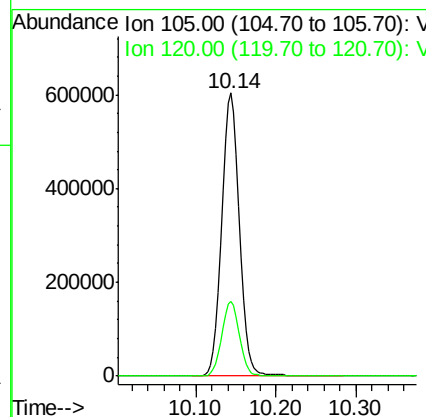
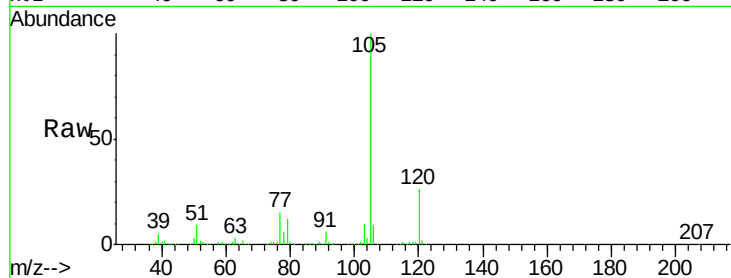
120 26.4 13.4 40.2

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.570 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

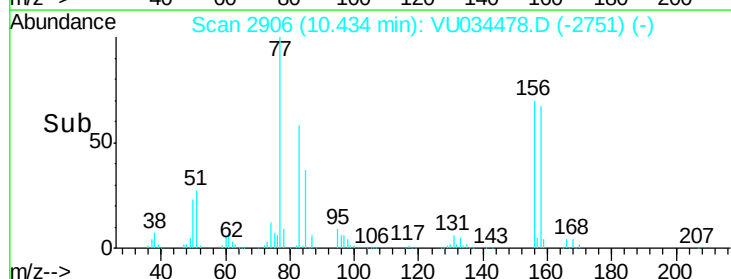
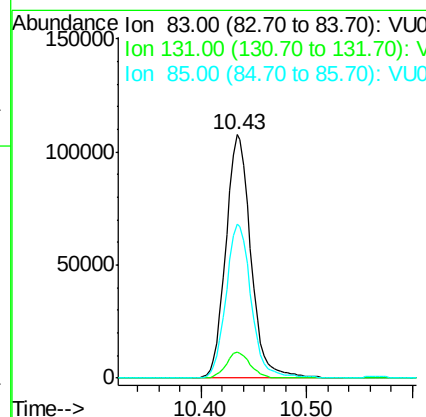
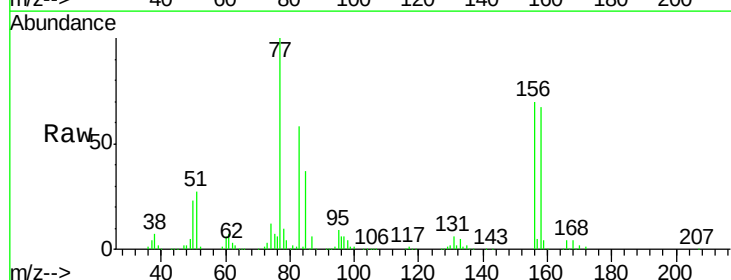
Tgt Ion: 83 Resp: 176726

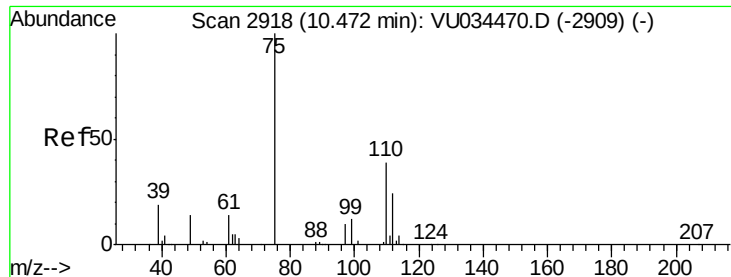
Ion Ratio Lower Upper

83 100

131 10.3 8.2 12.4

85 64.1 51.9 77.9





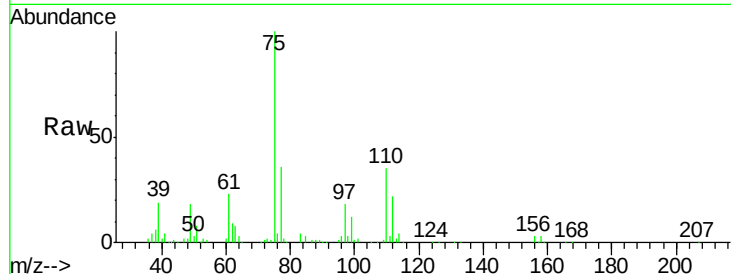
#71
1,2,3-Trichloropropane
Concen: 9.476 ug/l m
RT: 10.47 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

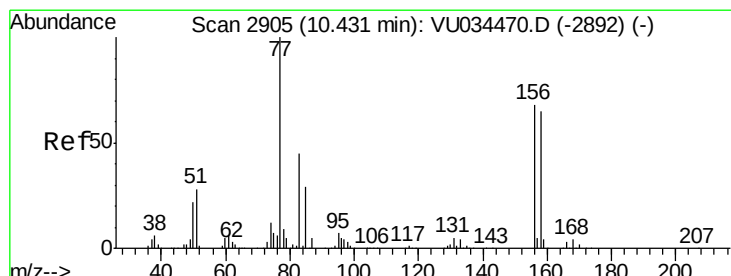
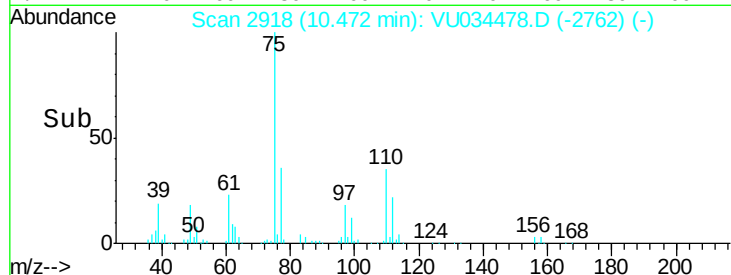
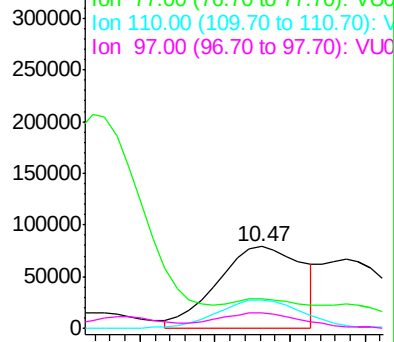
Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	0.0	0.0
110	36.0	0.0	66.8	
97	18.1	0.0	35.6	

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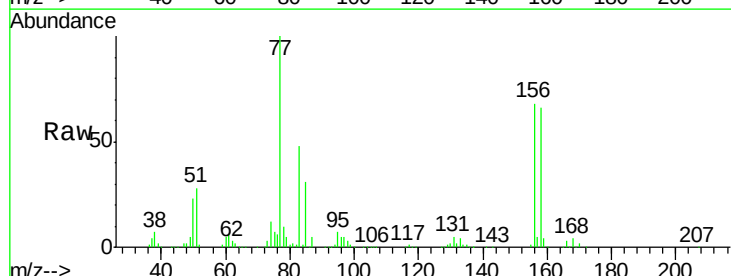


Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-2909) (-)

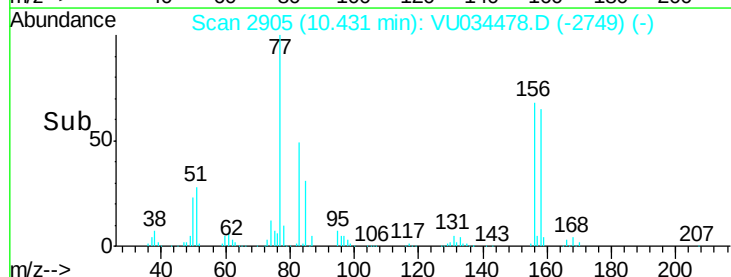
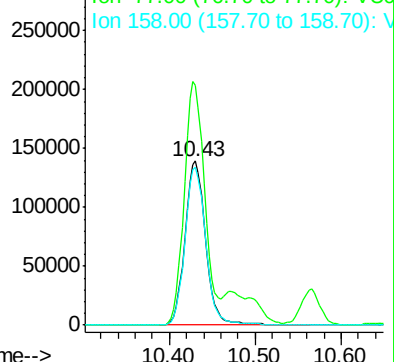


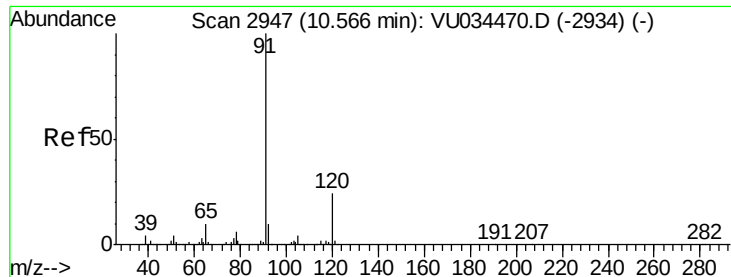
#72
Bromobenzene
Concen: 9.888 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.7	0.0	293.6	
158	97.4	0.0	192.6	



Abundance Ion 156.00 (155.70 to 156.70): VU034470.D (-2892) (-)





#73

n-propylbenzene

Concen: 10.851 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 273906

Ion Ratio Lower Upper

120 100

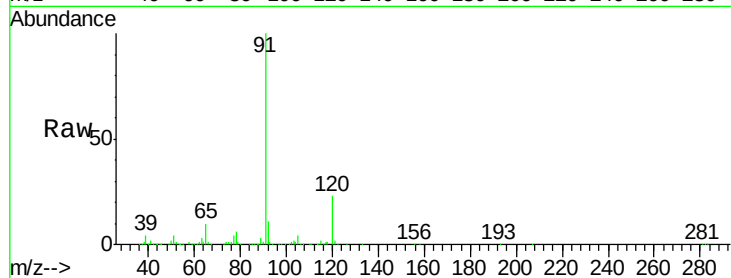
91 427.6 339.1 508.7

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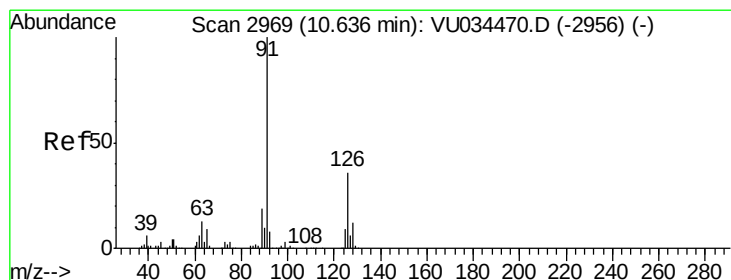
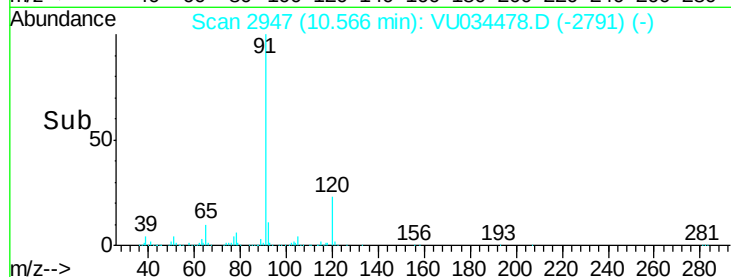
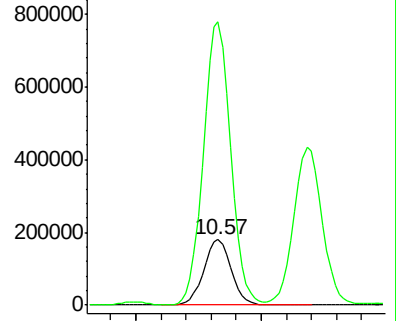
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.375 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034478.D

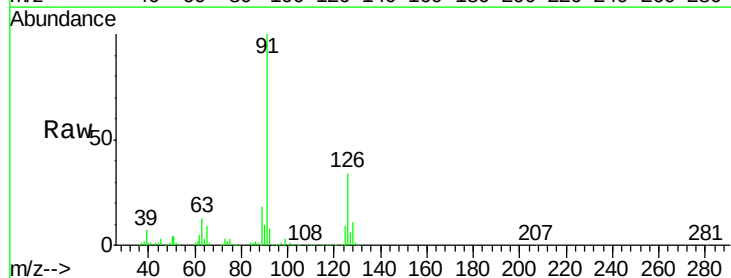
Acq: 11 Sep 2019 15:43

Tgt Ion:126 Resp: 235630

Ion Ratio Lower Upper

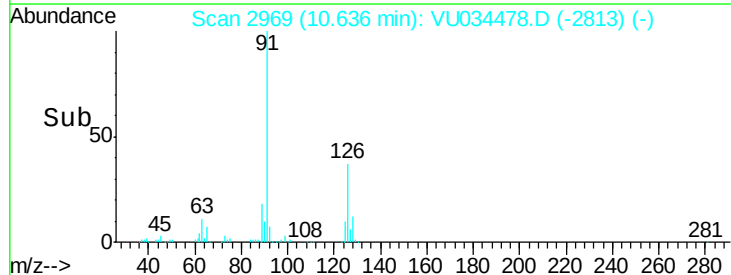
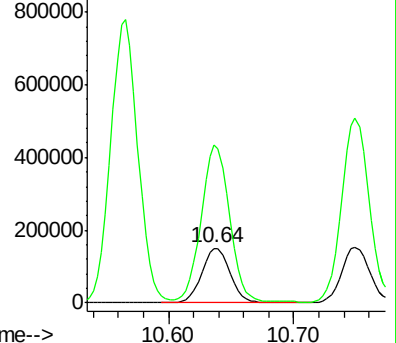
126 100

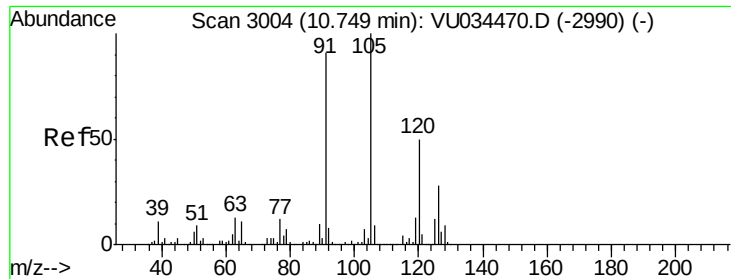
91 290.7 0.0 582.4



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: 10.721 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 838765

Ion Ratio Lower Upper

105 100

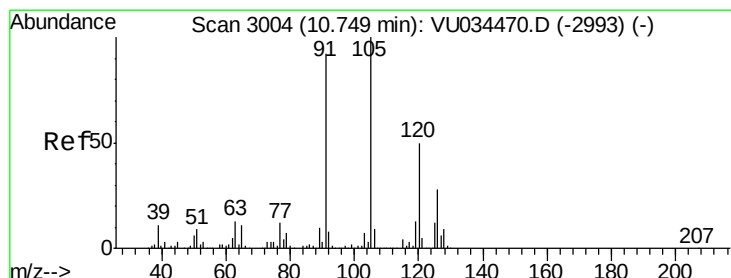
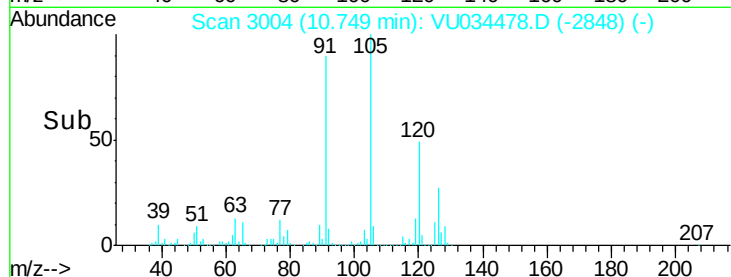
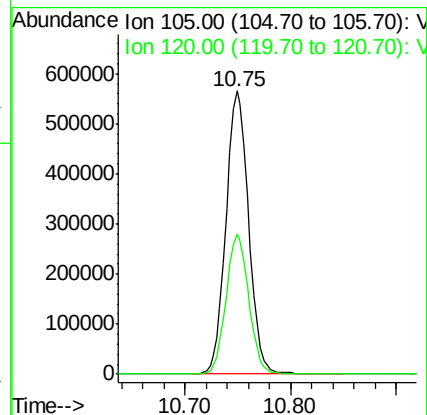
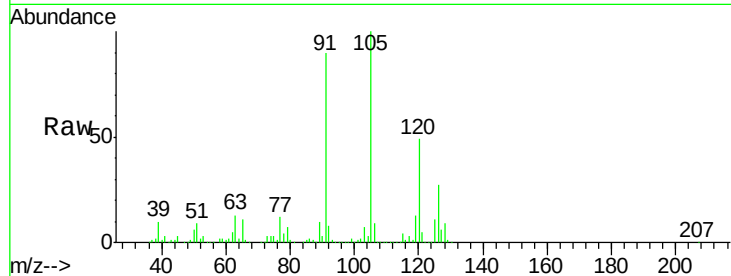
120 49.6 39.8 59.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 10.487 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034478.D

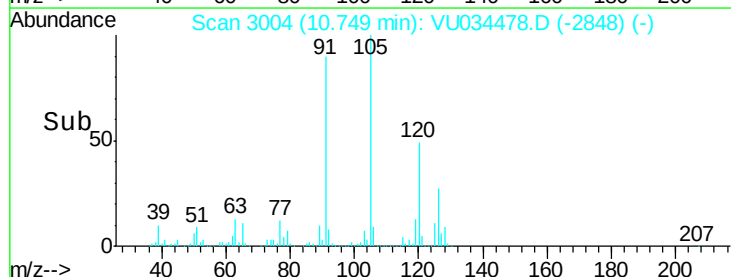
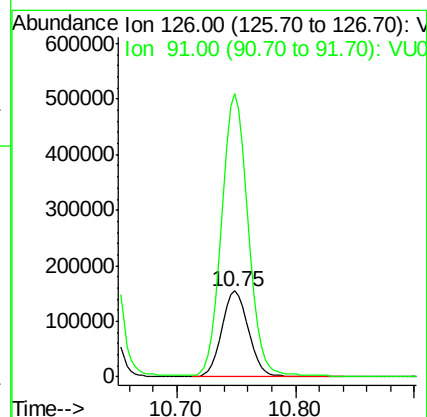
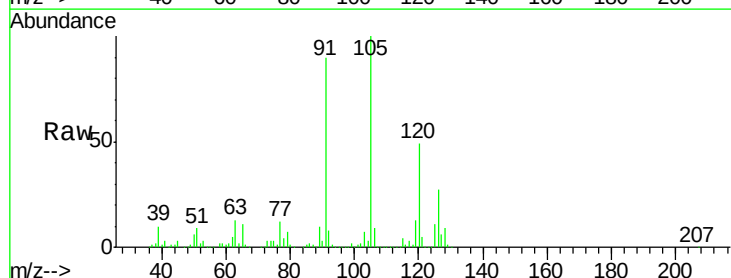
Acq: 11 Sep 2019 15:43

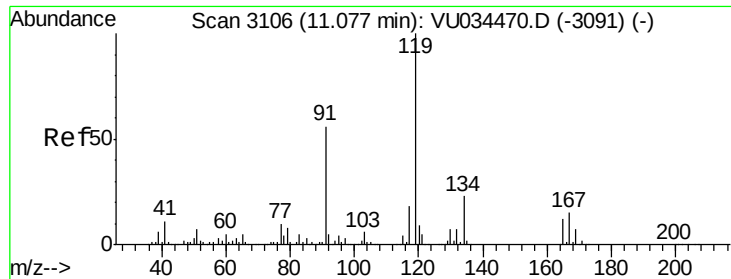
Tgt Ion:126 Resp: 241154

Ion Ratio Lower Upper

126 100

91 328.3 0.0 667.6





#77

tert-Butylbenzene

Concen: 10.346 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

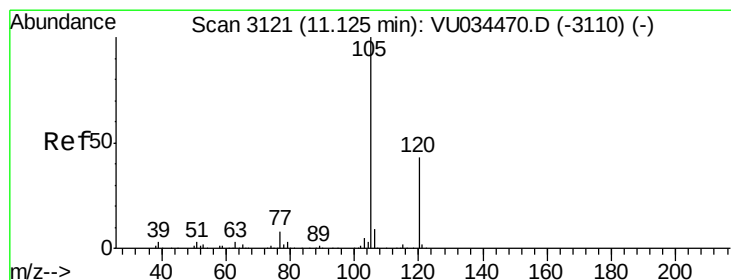
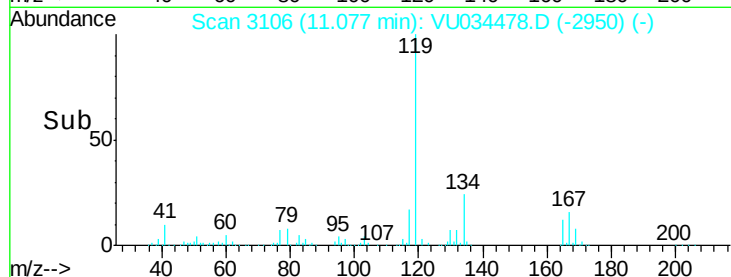
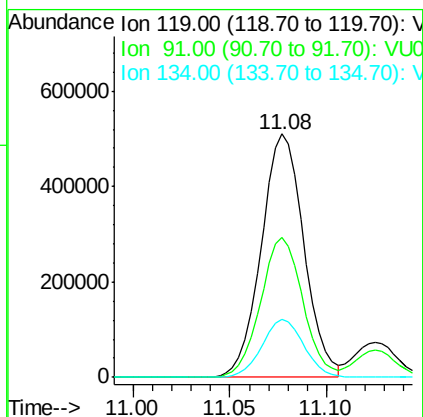
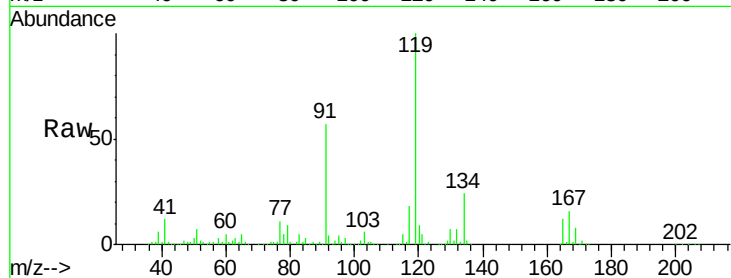
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	784762
Ion Ratio	Lower	Upper	
119	100		
91	57.0	27.8	83.3
134	23.7	18.4	27.6

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#78

1,2,4-Trimethylbenzene

Concen: 10.949 ug/l

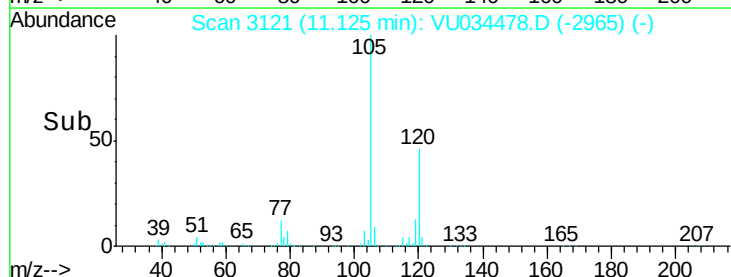
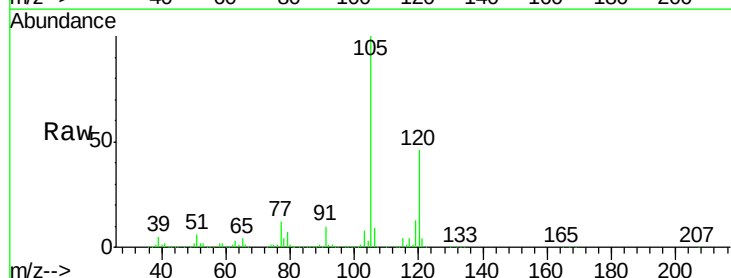
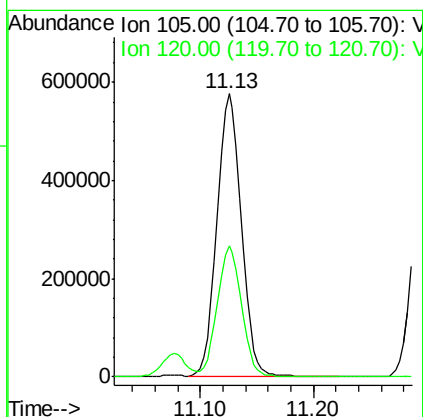
RT: 11.13 min Scan# 3121

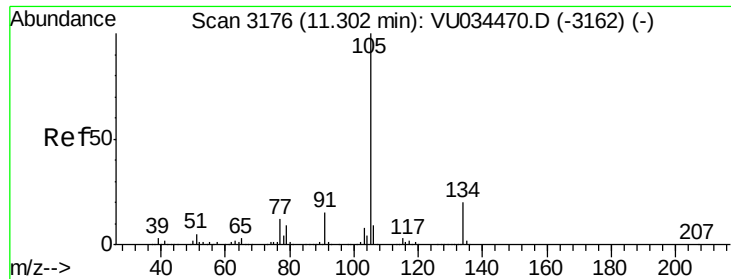
Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Tgt Ion:	105	Resp:	865078
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.1	69.2





#79

sec-Butylbenzene

Concen: 10.538 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1075377

Ion Ratio Lower Upper

105 100

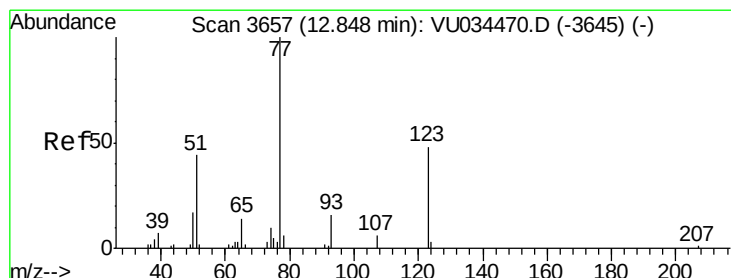
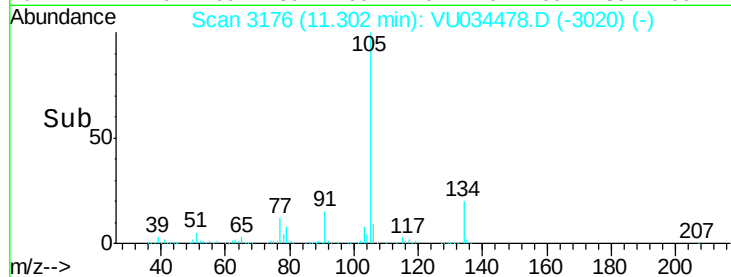
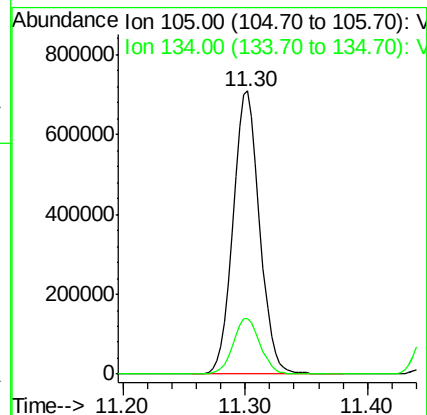
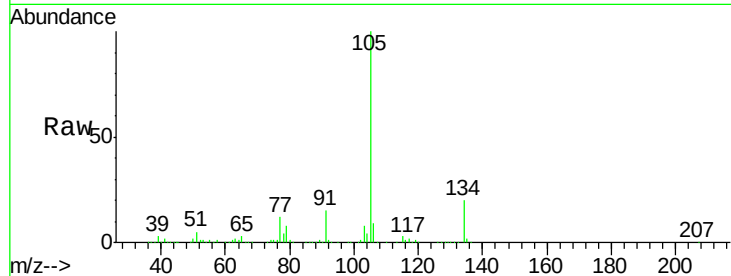
134 20.1 16.3 24.5

Manual Integrations

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#80

Nitrobenzene

Concen: 52.553 ug/l

RT: 12.85 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VU034478.D

Acq: 11 Sep 2019 15:43

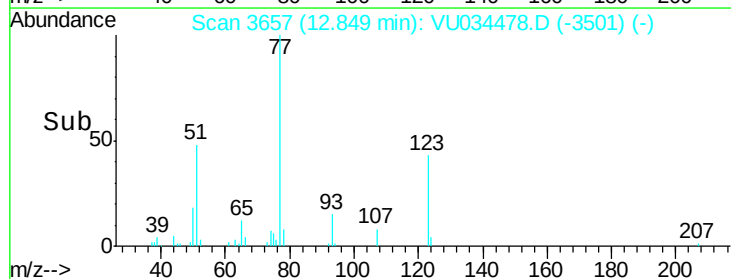
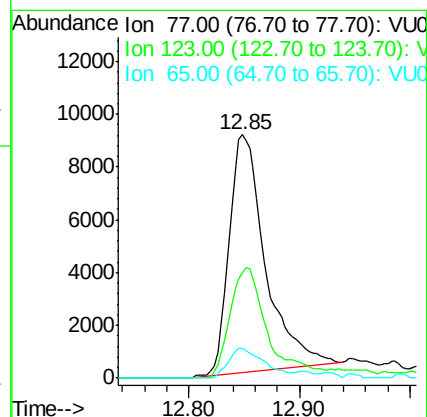
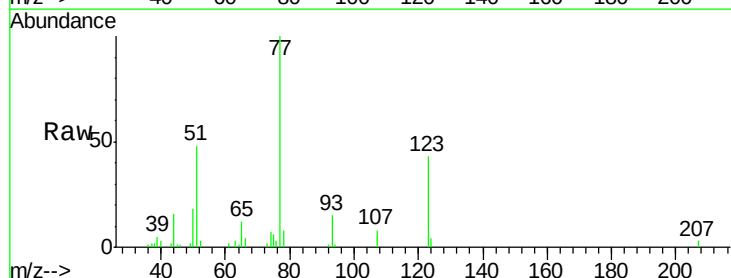
Tgt Ion: 77 Resp: 20718

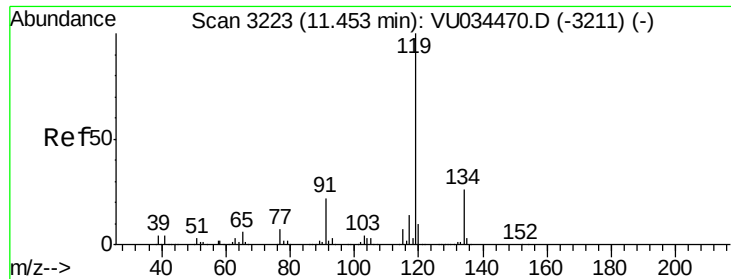
Ion Ratio Lower Upper

77 100

123 43.2 19.0 67.4

65 10.3 8.5 10.9





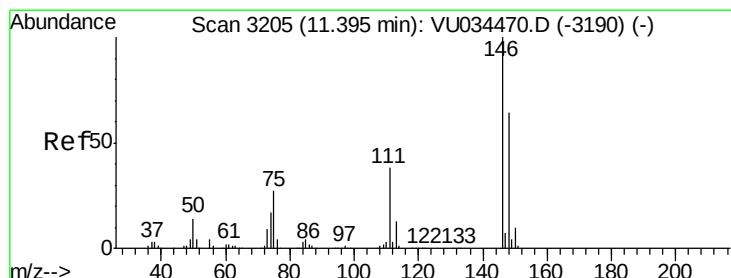
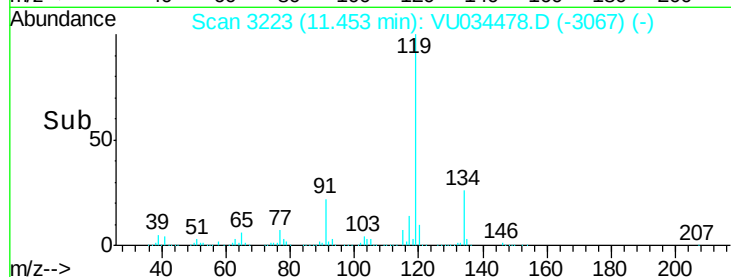
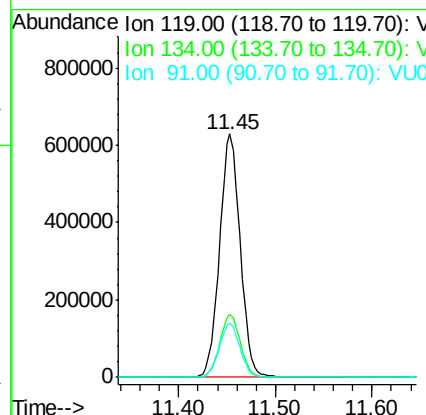
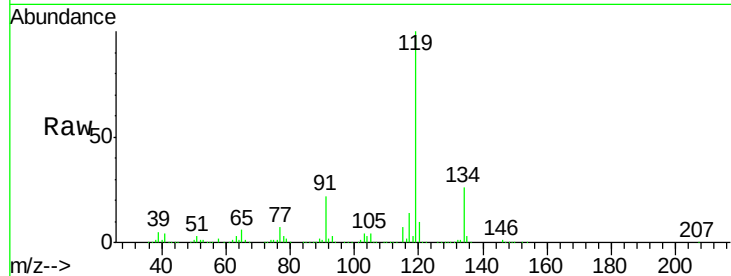
#81
 p-Isopropyltoluene
 Concen: 10.894 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	927588		
134	26.0		21.2	31.8
91	22.3		17.6	26.4

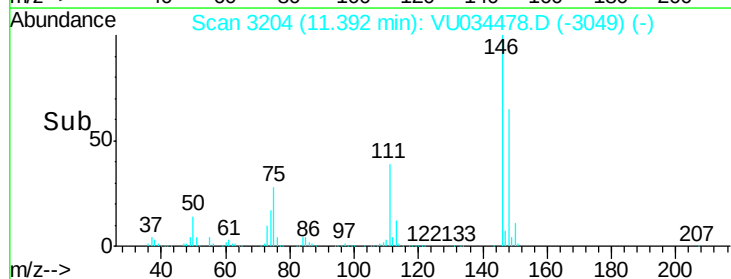
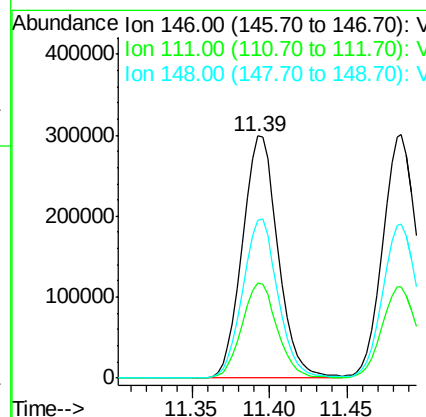
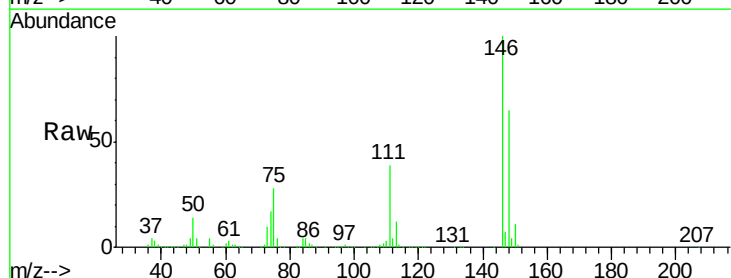
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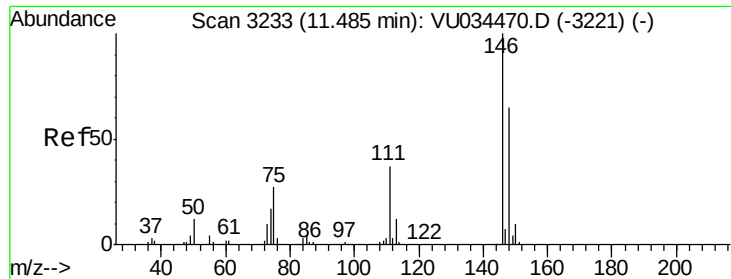
MMDadoda
 9/12/2019 4:53:53 PM



#82
 1,3-Dichlorobenzene
 Concen: 9.790 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	480074		
111	38.9		31.0	46.6
148	64.9		51.5	77.3





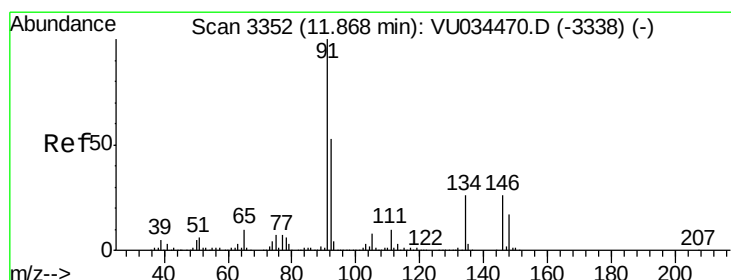
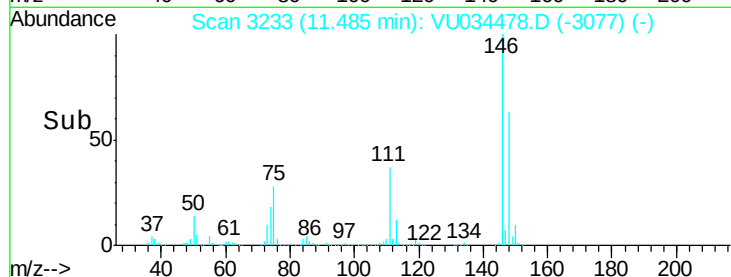
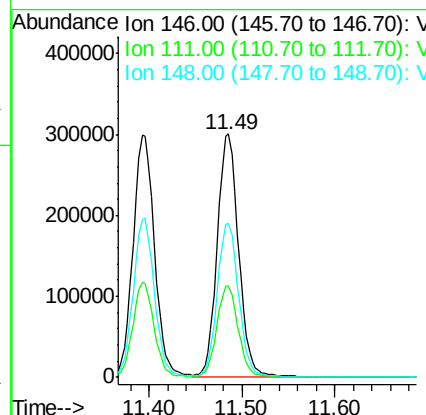
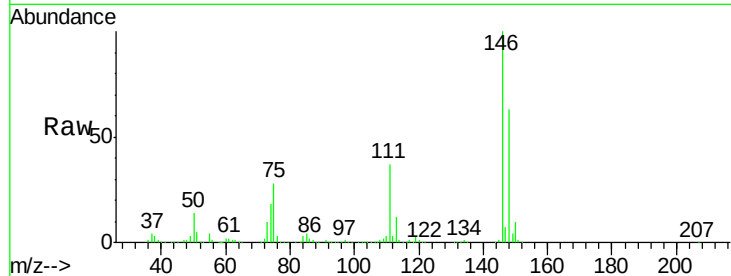
#83
 1,4-Dichlorobenzene
 Concen: 9.886 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	29.5	44.3
148	63.7	51.0	76.4

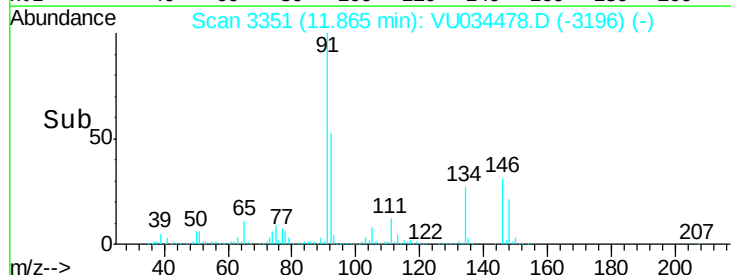
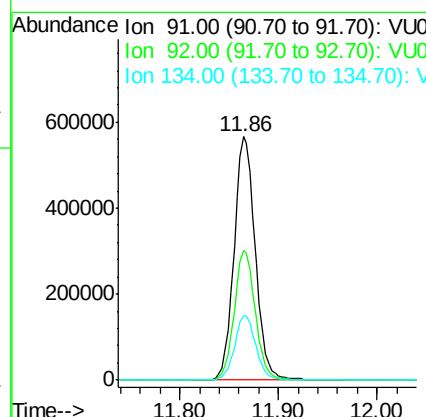
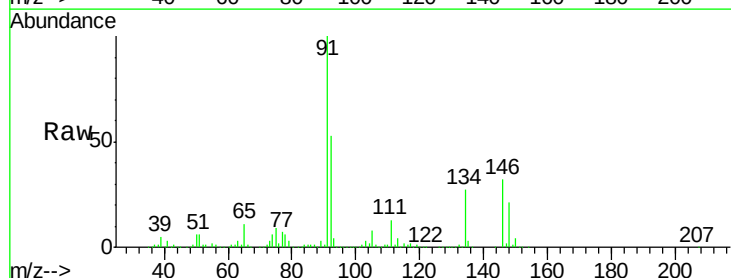
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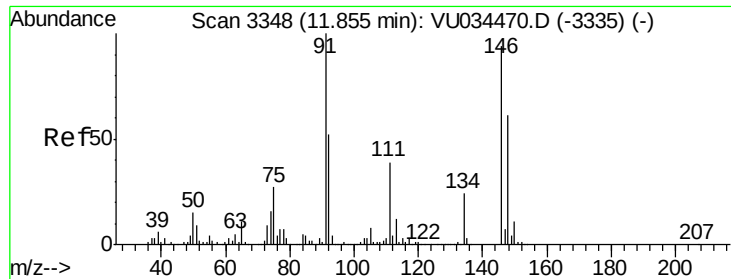
MMDadoda
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#84
 n-Butylbenzene
 Concen: 10.891 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.4	63.6
134	26.5	21.0	31.4





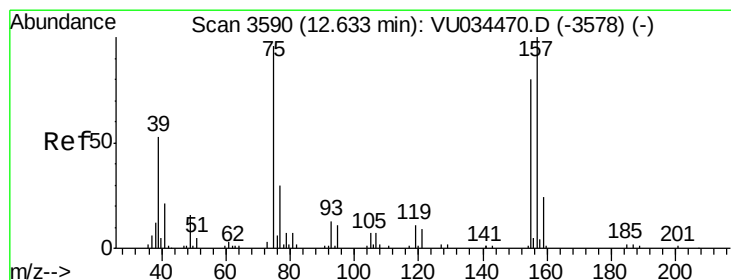
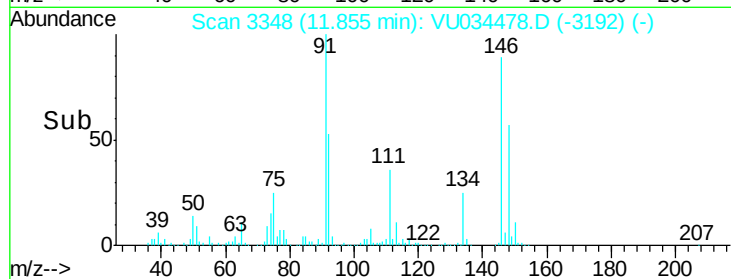
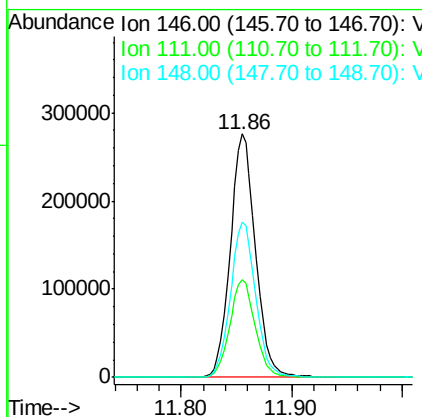
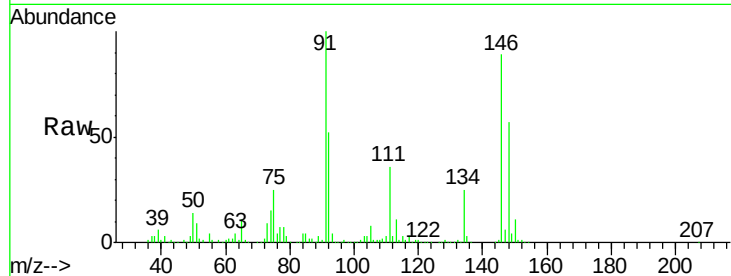
#85
 1,2-Dichlorobenzene
 Concen: 9.819 ug/l
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.1	32.2	96.6

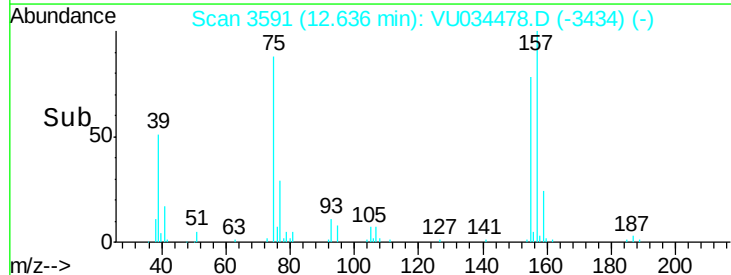
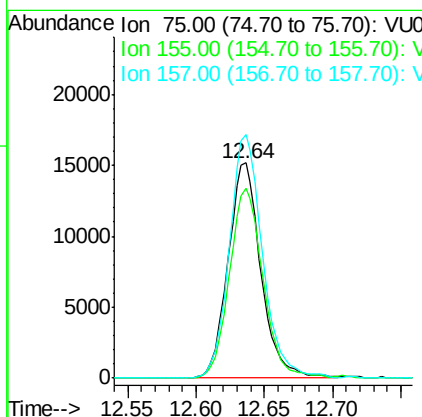
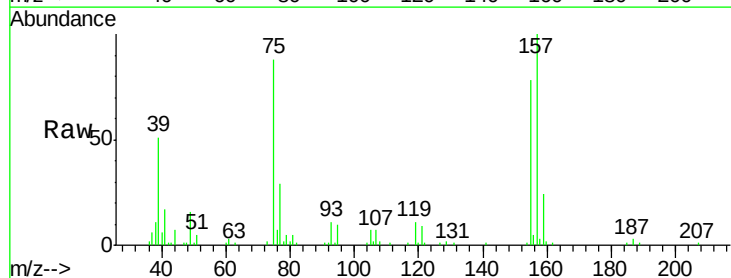
Manual Integrations
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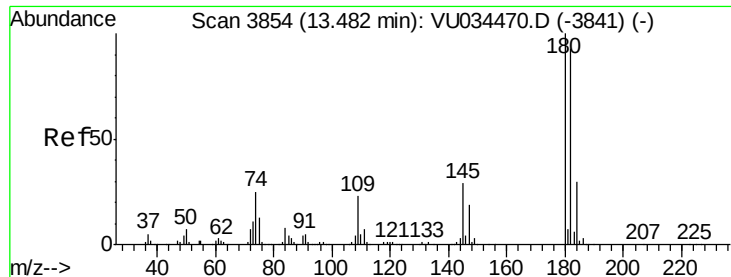
MMDadoda
 9/12/2019 4:53:53 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.322 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	68.9	103.3
157	113.7	89.9	134.9





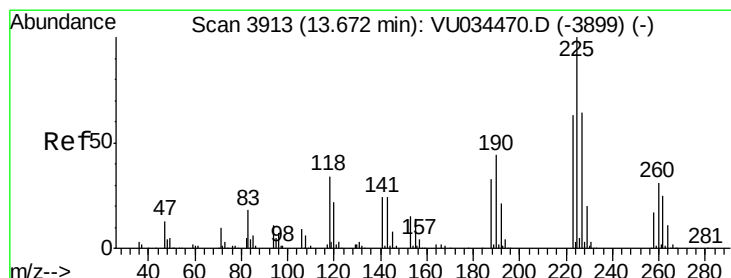
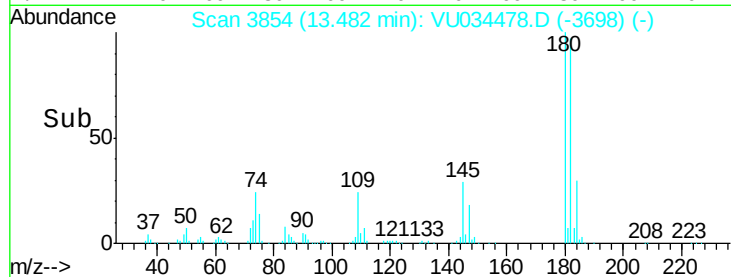
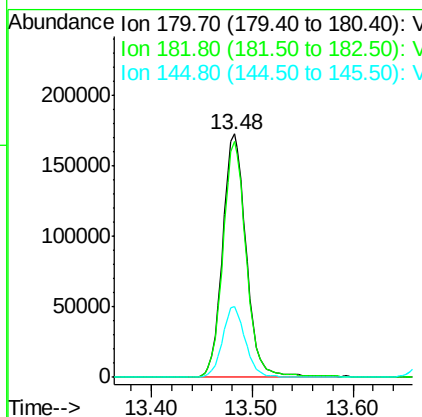
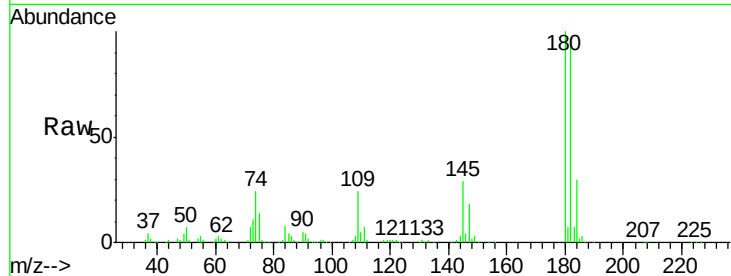
#87
 1,2,4-Trichlorobenzene
 Concen: 11.048 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283377		
182	95.3	76.6	114.8	
145	28.1	23.0	34.6	

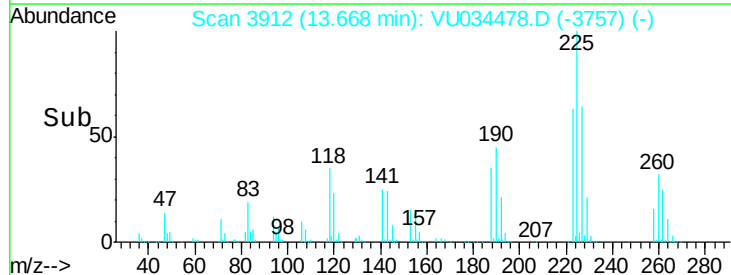
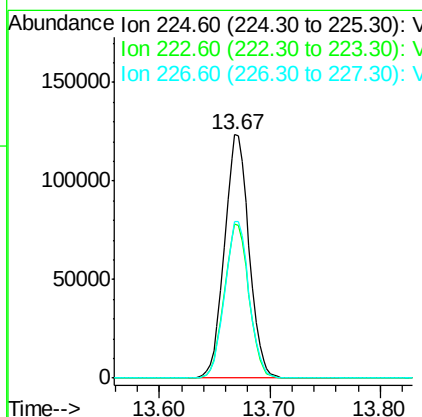
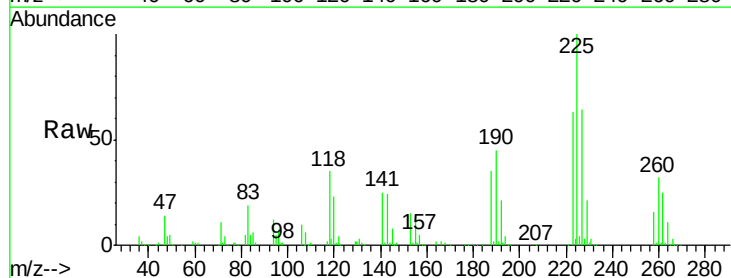
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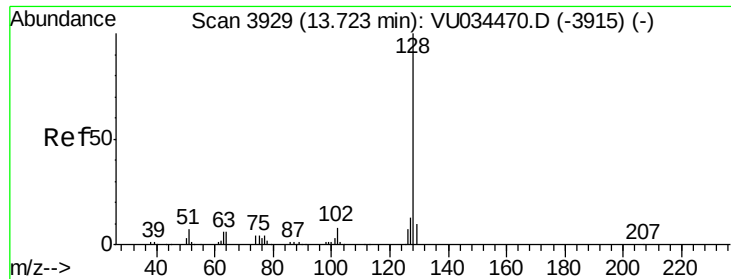
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 9/12/2019 4:53:53 PM



#88
 Hexachlorobutadiene
 Concen: 9.764 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.00 min
 Lab File: VU034478.D
 Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190823		
223	63.2	50.3	75.5	
227	64.0	51.1	76.7	





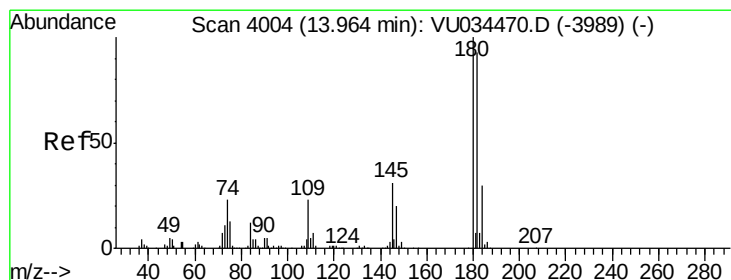
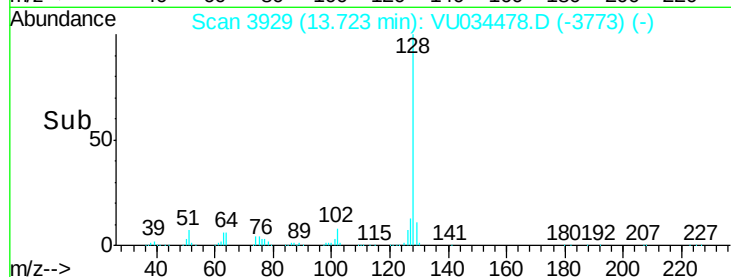
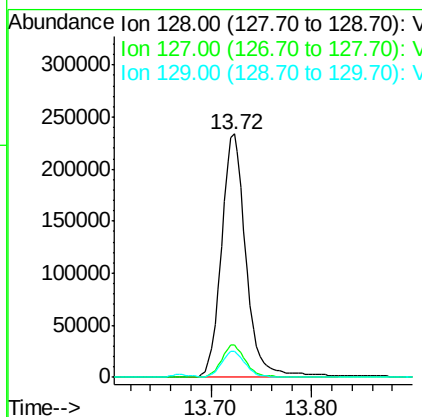
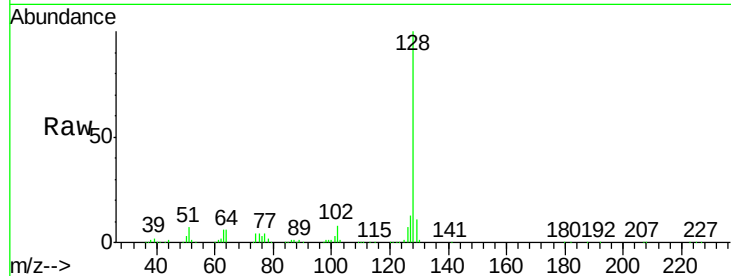
#89
Naphthalene
Concen: 8.974 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	400250		
127	13.0		10.2	15.2
129	10.1		8.0	12.0

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 11.047 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. 0.00 min
Lab File: VU034478.D
Acq: 11 Sep 2019 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	260926		
182	96.3		75.4	113.2
145	30.8		24.5	36.7

