

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034023.D
 Acq On : 28 Aug 2019 14:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:48:01 AM

Quant Time: Aug 29 04:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	454475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	711590	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	684870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	354270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	273802	47.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.04%	
35) Dibromofluoromethane	4.86	113	229156	46.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.86%	
50) Toluene-d8	7.55	98	903135	48.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.29	95	346578	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	234676	51.343	ug/l	98
3) Chloromethane	1.32	50	302934	49.611	ug/l	99
4) Vinyl Chloride	1.40	62	295954	48.649	ug/l	99
5) Bromomethane	1.59	94	138733	47.033	ug/l	100
6) Chloroethane	1.67	64	172609	46.411	ug/l	99
7) Trichlorofluoromethane	1.87	101	341361	48.428	ug/l	99
8) Diethyl Ether	2.09	74	149802	49.679	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	219868	49.237	ug/l	99
10) Methyl Iodide	2.39	142	299577	47.293	ug/l	100
11) Tert butyl alcohol	2.82	59	321371	239.311	ug/l	100
12) 1,1-Dichloroethene	2.27	96	222134	48.823	ug/l	98
13) Acrolein	2.18	56	131724	233.172	ug/l	98
14) Allyl chloride	2.57	41	424386	49.611	ug/l	99
15) Acrylonitrile	2.92	53	762027	247.288	ug/l	100
16) Acetone	2.31	43	745577	250.923	ug/l	99
17) Carbon Disulfide	2.46	76	683256	47.449	ug/l	99
18) Methyl Acetate	2.60	43	350416	45.636	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	758356	50.871	ug/l	100
20) Methylene Chloride	2.68	84	263208	46.792	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	240560	48.718	ug/l	99
22) Diisopropyl ether	3.55	45	789000	50.335	ug/l	99
23) Vinyl Acetate	3.50	43	3463306	257.201	ug/l	99
24) 1,1-Dichloroethane	3.42	63	452804	48.929	ug/l	100
25) 2-Butanone	4.23	43	1059390	256.267	ug/l	100
26) 2,2-Dichloropropane	4.20	77	372913	49.522	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	272079	49.092	ug/l	100
28) Bromochloromethane	4.52	49	222759	48.857	ug/l	99
29) Tetrahydrofuran	4.61	42	646456	253.573	ug/l	100
30) Chloroform	4.65	83	436373	47.260	ug/l	98
31) Cyclohexane	4.97	56	410109	47.161	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	366539	48.470	ug/l	98
36) 1,1-Dichloropropene	5.11	75	335778	49.887	ug/l	99
37) Ethyl Acetate	4.35	43	371633	49.306	ug/l	99
38) Carbon Tetrachloride	5.11	117	319067	49.111	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	409015	51.558	ug/l	99
40) Benzene	5.37	78	998185	49.017	ug/l	99
41) Methacrylonitrile	4.52	41	203117	52.546	ug/l	99
42) 1,2-Dichloroethane	5.38	62	340382	48.404	ug/l	100
43) Isopropyl Acetate	5.53	43	586513	51.149	ug/l	99
44) Trichloroethene	6.16	130	265397	49.629	ug/l	100
45) 1,2-Dichloropropane	6.41	63	280121	49.970	ug/l	99
46) Dibromomethane	6.54	93	178565	49.443	ug/l	98
47) Bromodichloromethane	6.74	83	348214	49.281	ug/l	99
48) Methyl methacrylate	6.60	41	282610	51.075	ug/l	98
49) 1,4-Dioxane	6.59	88	138420	998.414	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1977955	249.773	ug/l	99
52) Toluene	7.62	92	637584	50.825	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	398196	50.788	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	434993	50.784	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	256634	48.364	ug/l	100
56) Ethyl methacrylate	8.00	69	415823	47.297	ug/l	99
57) 1,3-Dichloropropane	8.22	76	443313	49.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	753820	256.786	ug/l	99
59) 2-Hexanone	8.34	43	1541751	257.898	ug/l	100
60) Dibromochloromethane	8.46	129	283895	49.841	ug/l	99
61) 1,2-Dibromoethane	8.57	107	271428	48.559	ug/l	100
64) Tetrachloroethene	8.21	164	234431	50.970	ug/l	99
65) Chlorobenzene	9.10	112	699959	49.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	253817	49.665	ug/l	99
67) Ethyl Benzene	9.23	91	1229907	51.480	ug/l	100
68) m/p-Xylenes	9.36	106	951795	104.773	ug/l	100
69) o-Xylene	9.76	106	458404	52.597	ug/l	100
70) Styrene	9.77	104	794911	53.194	ug/l	100
71) Bromoform	9.94	173	218559	49.222	ug/l	# 100
73) Isopropylbenzene	10.15	105	1243049	52.237	ug/l	100
74) N-amyl acetate	10.00	43	536044	53.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	432014	47.433	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	373576m	46.787	ug/l	
77) Bromobenzene	10.43	156	317107	49.539	ug/l	99
78) n-propylbenzene	10.57	91	1459026	52.648	ug/l	100
79) 2-Chlorotoluene	10.64	91	854953	51.434	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	1070318	53.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	118460m	49.956	ug/l	
82) 4-Chlorotoluene	10.76	91	982935	51.417	ug/l	100
83) tert-Butylbenzene	11.08	119	1031095	51.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	1065763	53.216	ug/l	99
85) sec-Butylbenzene	11.31	105	1251622	52.597	ug/l	100
86) p-Isopropyltoluene	11.46	119	1155858	53.705	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	570193	50.315	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	564344	49.241	ug/l	100
89) n-Butylbenzene	11.87	91	1032365	54.406	ug/l	100
90) Hexachloroethane	12.13	117	181514	48.780	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	548733	50.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	88797	48.938	ug/l	99

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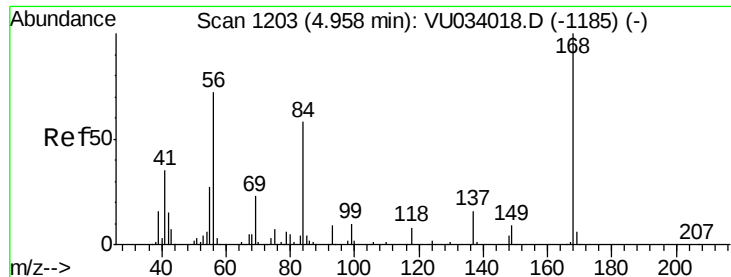
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	376720	48.815	ug/l	99
94) Hexachlorobutadiene	13.67	225	217939	51.320	ug/l	98
95) Naphthalene	13.73	128	1046892	47.438	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	369715	53.166	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 454475

Ion Ratio Lower Upper

168 100

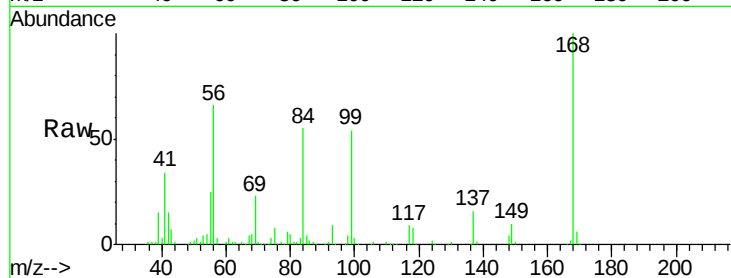
99 53.3 42.3 63.5

Manual Integrations

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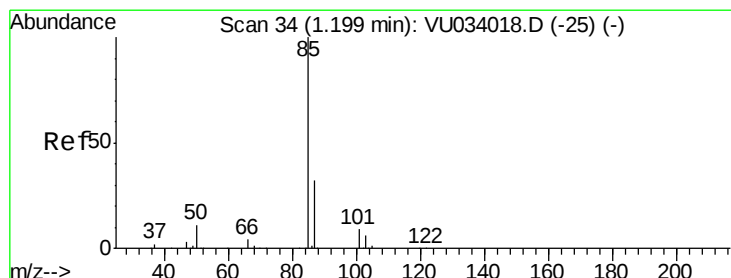
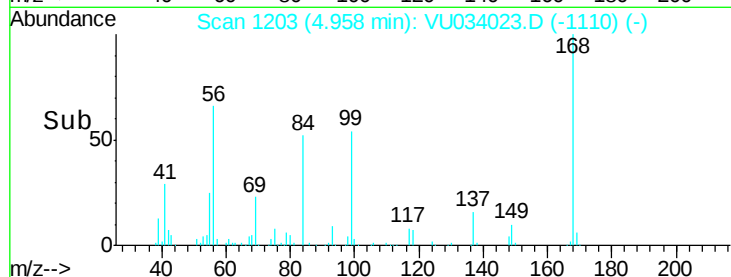
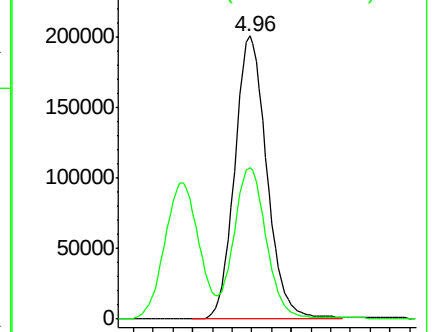
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)



#2

Dichlorodifluoromethane

Concen: 51.343 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034023.D

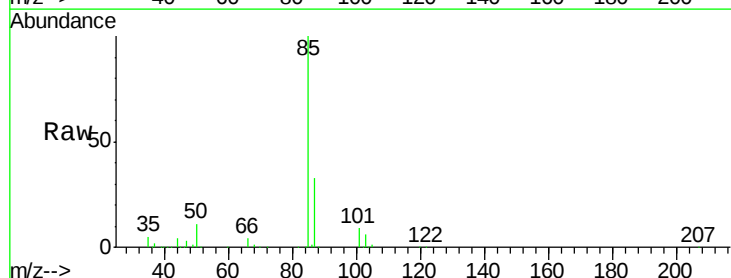
Acq: 28 Aug 2019 14:52

Tgt Ion: 85 Resp: 234676

Ion Ratio Lower Upper

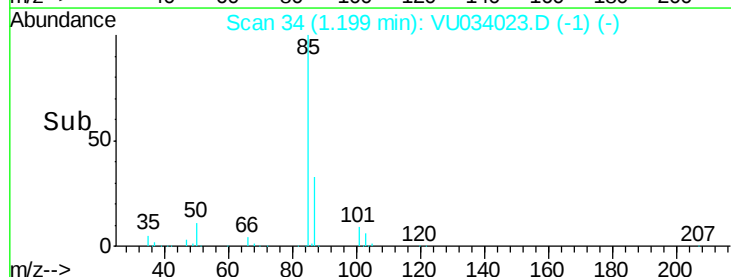
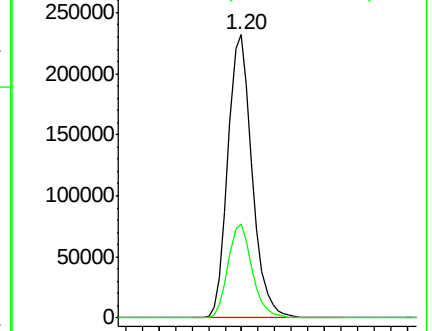
85 100

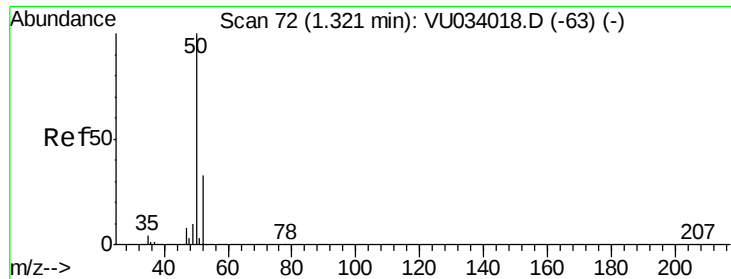
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)





#3

Chloromethane

Concen: 49.611 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 302934

Ion Ratio Lower Upper

50 100

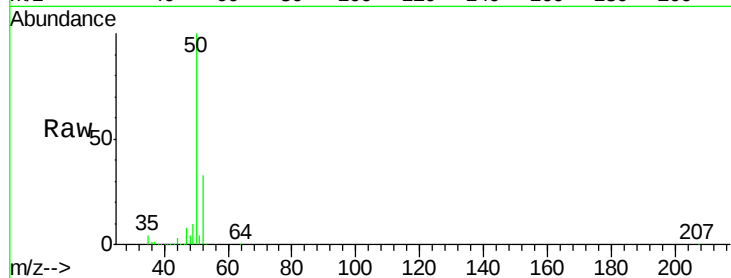
52 33.4 26.2 39.4

Manual Integrations

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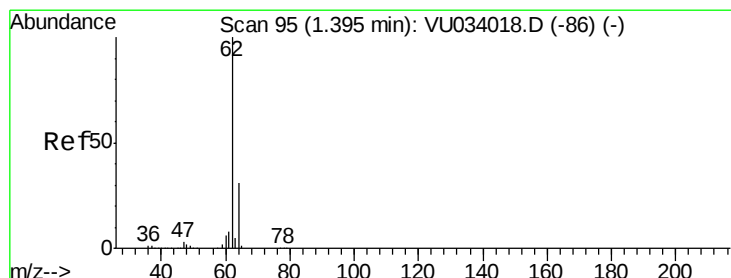
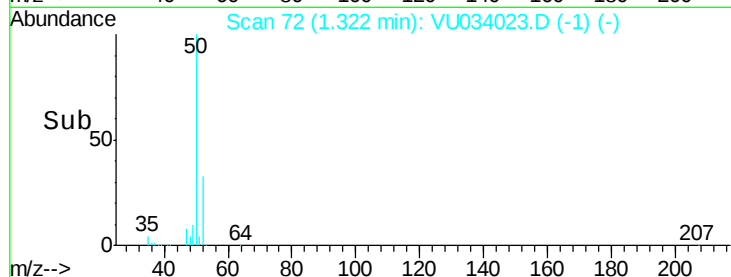
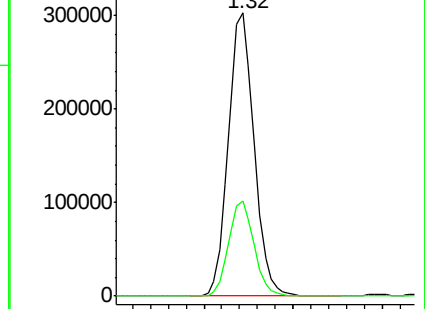
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Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034023.D (-1) (-)



#4

Vinyl Chloride

Concen: 48.649 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034023.D

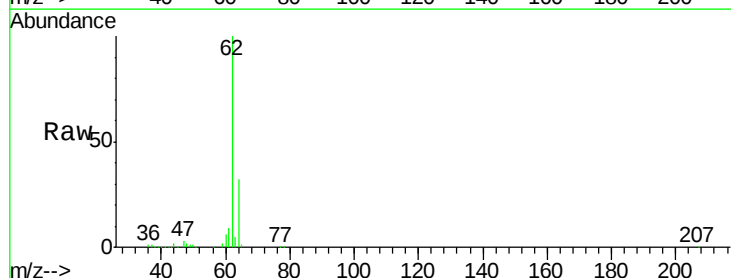
Acq: 28 Aug 2019 14:52

Tgt Ion: 62 Resp: 295954

Ion Ratio Lower Upper

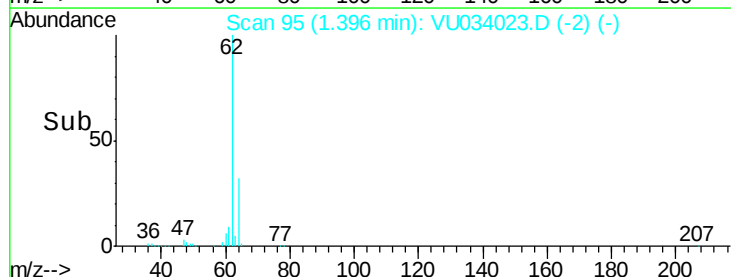
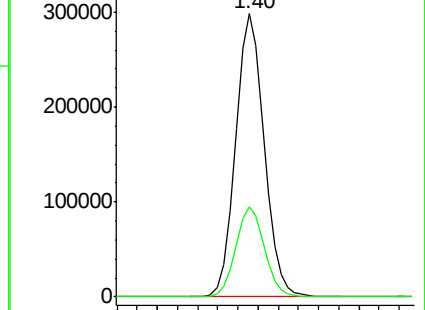
62 100

64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034023.D (-2) (-)





#5

Bromomethane

Concen: 47.033 ug/l

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 138733

Ion Ratio Lower Upper

94 100

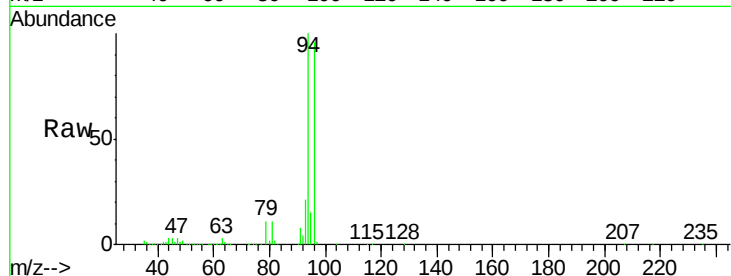
96 95.8 76.3 114.5

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Abundance Ion 93.90 (93.60 to 94.60): VU034023.D (-157) (-)

Ion 95.90 (95.60 to 96.60): VU034023.D (-157) (-)

1.59

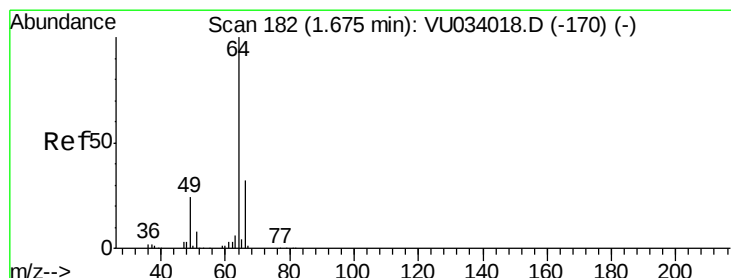
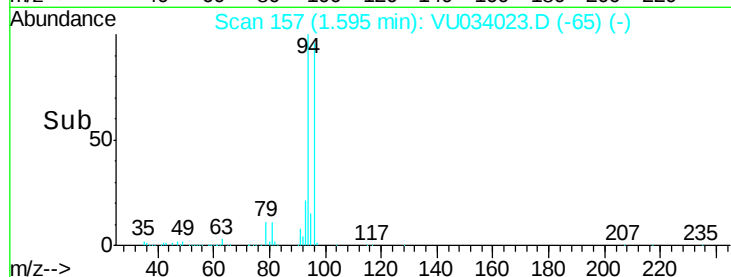
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.411 ug/l

RT: 1.67 min Scan# 181

Delta R.T. -0.00 min

Lab File: VU034023.D

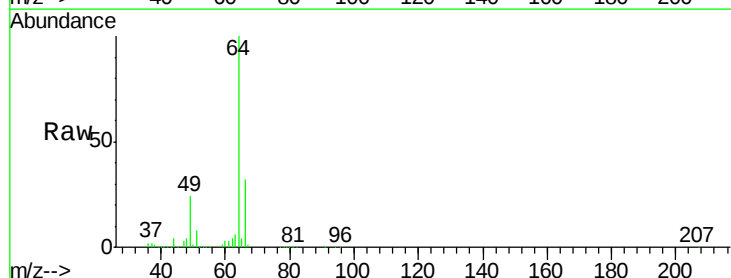
Acq: 28 Aug 2019 14:52

Tgt Ion: 64 Resp: 172609

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034023.D (-181) (-)

Ion 65.90 (65.60 to 66.60): VU034023.D (-181) (-)

1.67

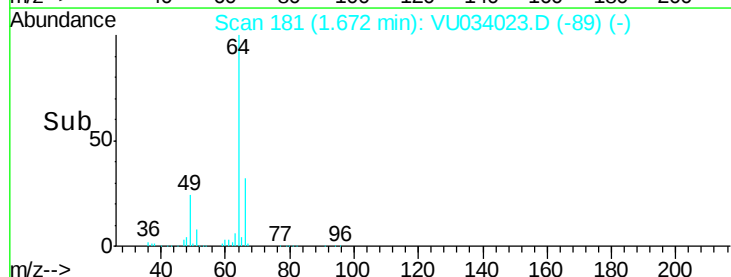
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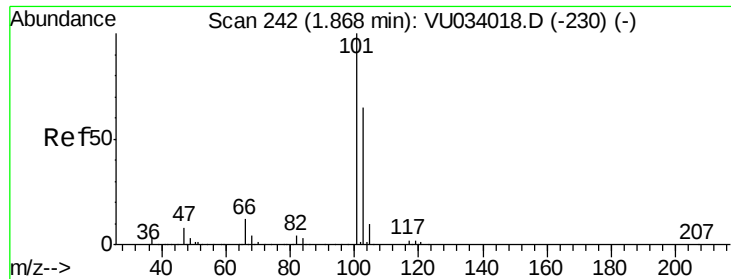
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50000

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Time-->





#7

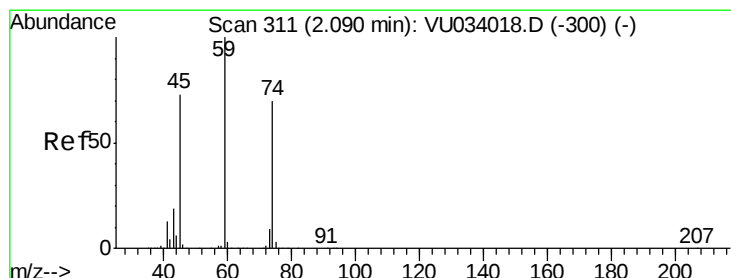
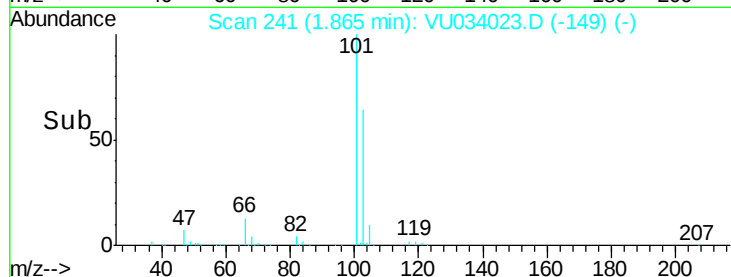
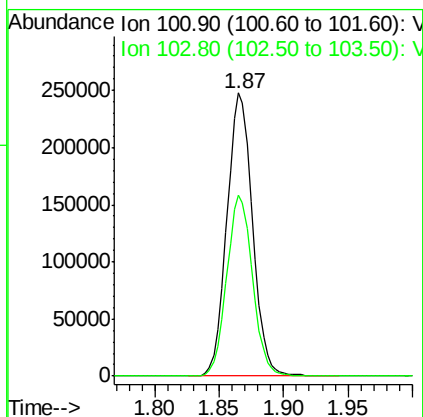
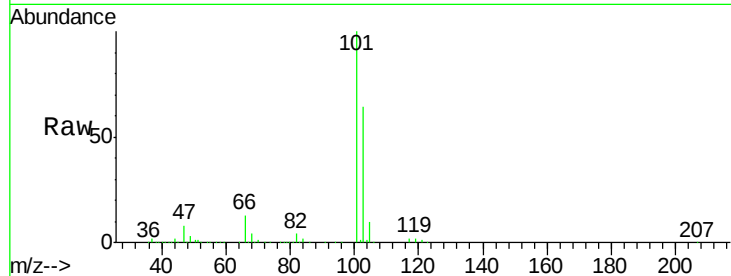
Trichlorofluoromethane
Concen: 48.428 ug/l
RT: 1.87 min Scan# 241
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

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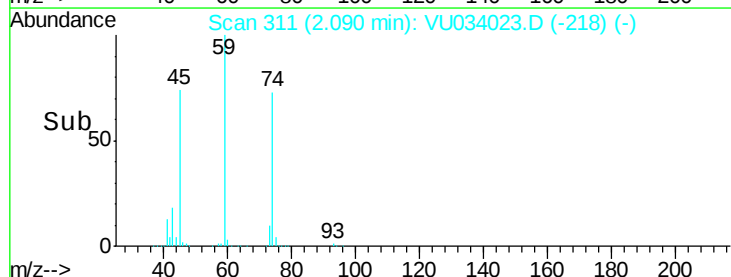
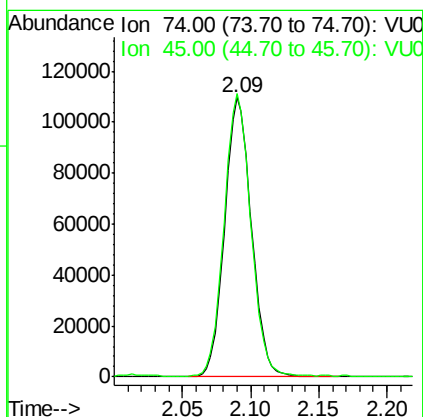
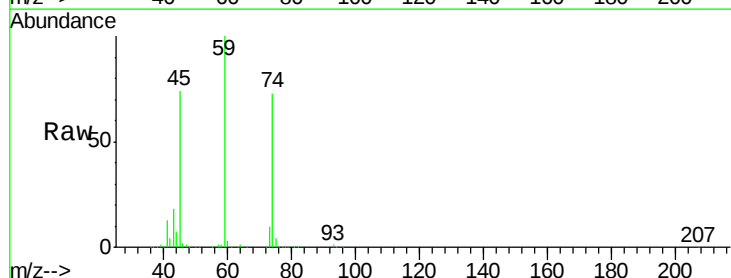
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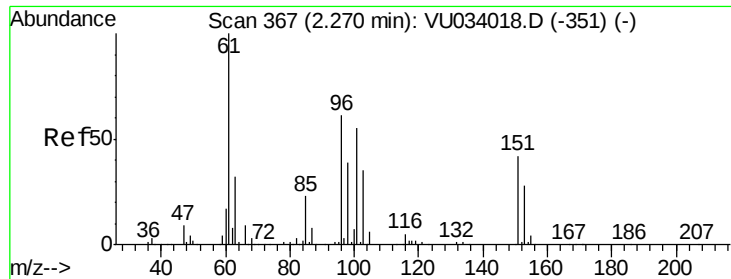


#8

Diethyl Ether
Concen: 49.679 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.237 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

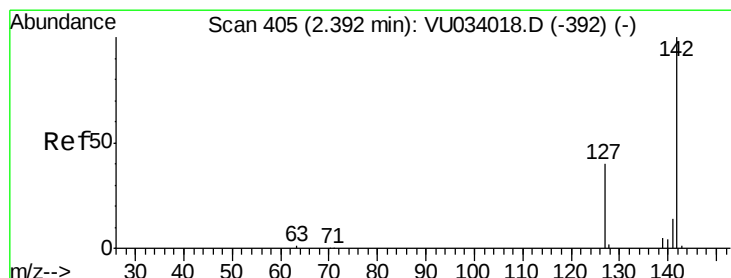
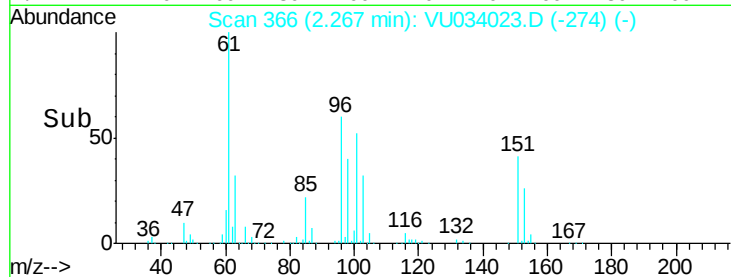
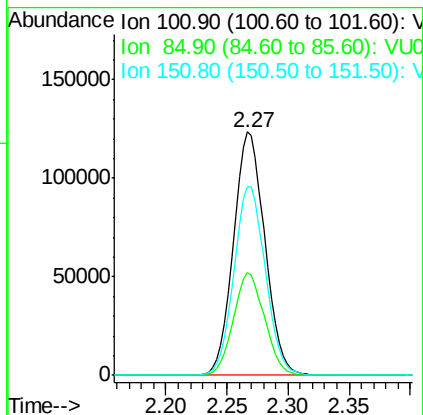
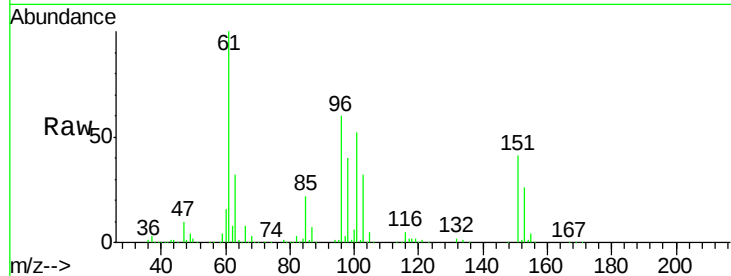
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	219868
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	77.9	61.4	92.2

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#10

Methyl Iodide

Concen: 47.293 ug/l

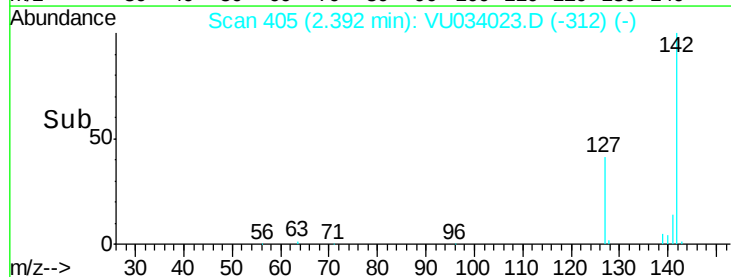
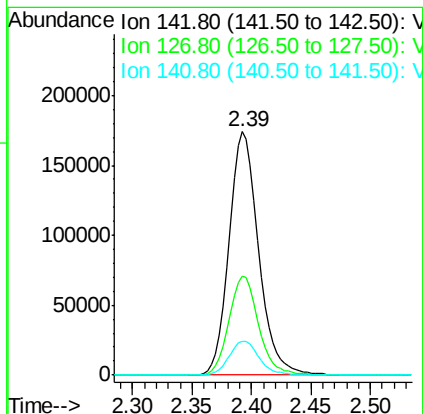
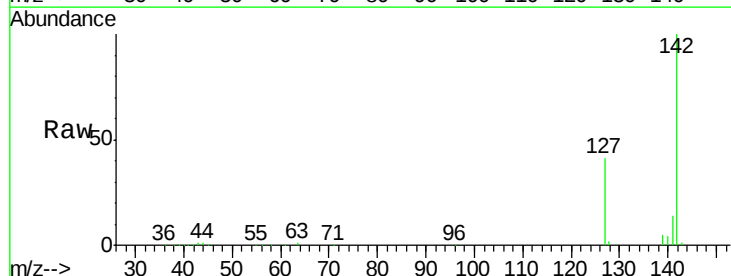
RT: 2.39 min Scan# 405

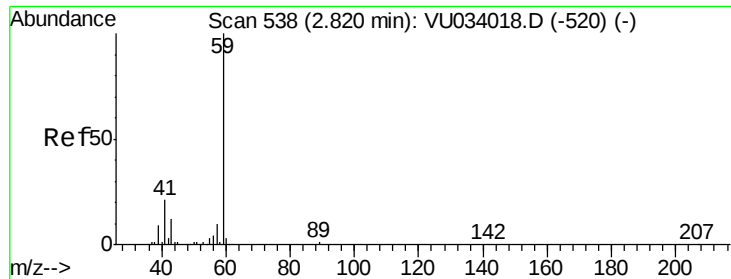
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	142	Resp:	299577
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.6	48.8
141	14.2	11.3	16.9





#11

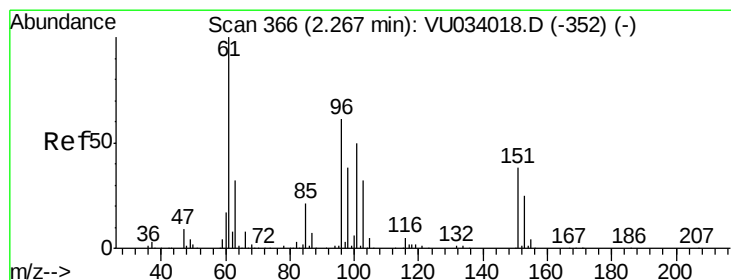
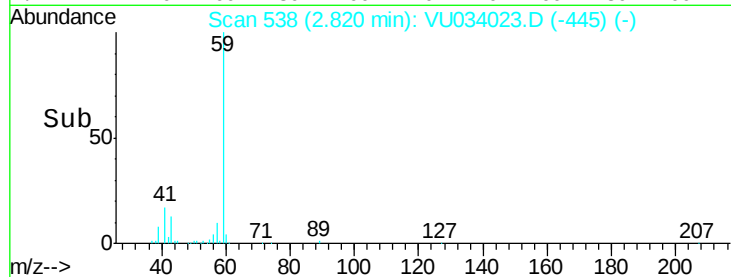
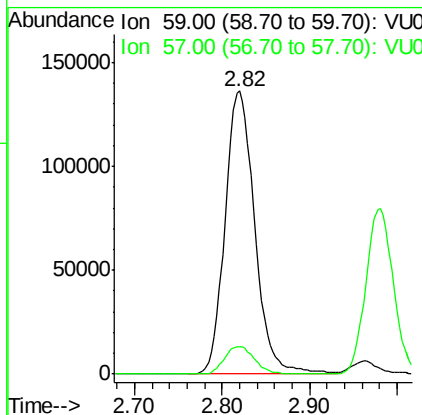
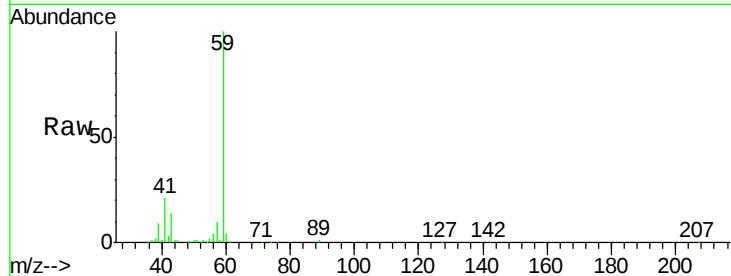
Tert butyl alcohol
 Concen: 239.311 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

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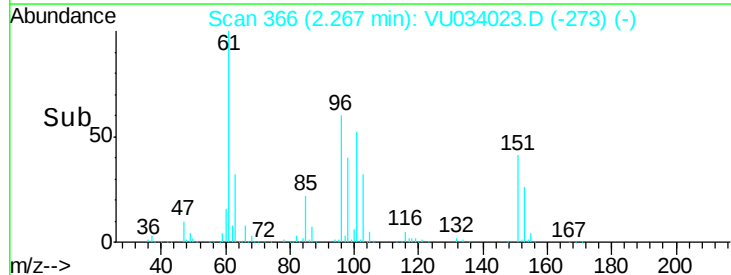
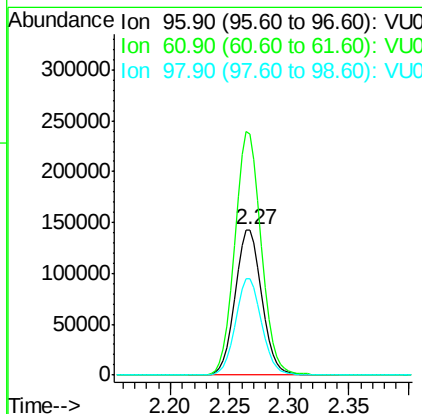
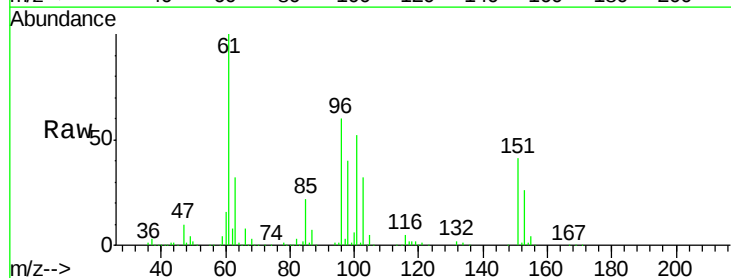
MMDadoda
 8/29/2019 8:48:01 AM

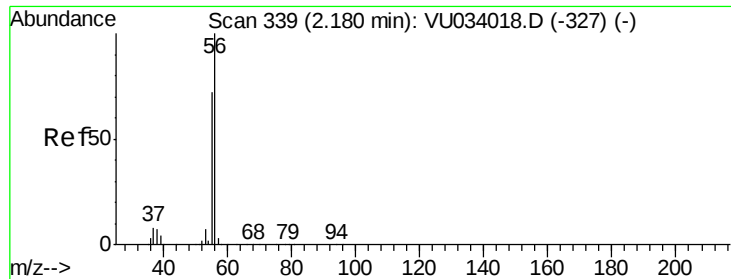


#12

1,1-Dichloroethene
 Concen: 48.823 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	131.3	196.9
98	66.5	50.3	75.5





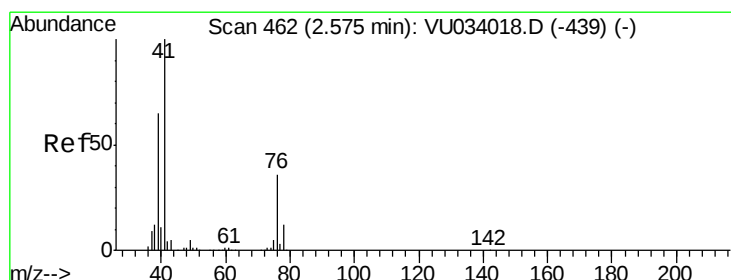
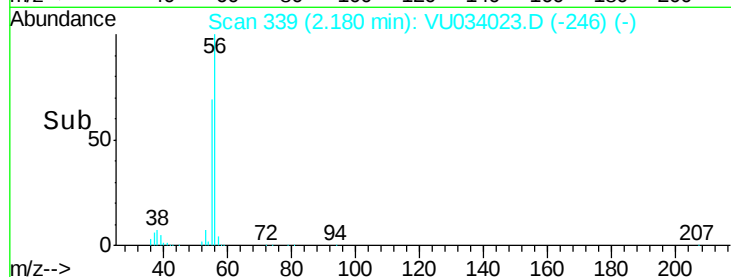
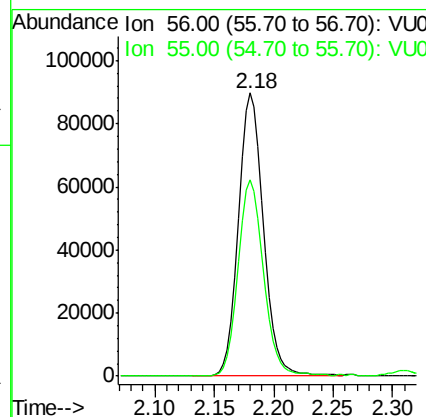
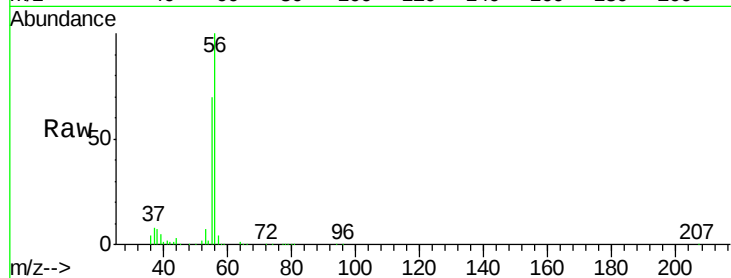
#13
Acrolein
Concen: 233.172 ug/l
RT: 2.18 min Scan# 339
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	131724
Ion Ratio	100	Lower	Upper
55	70.0	57.1	85.7

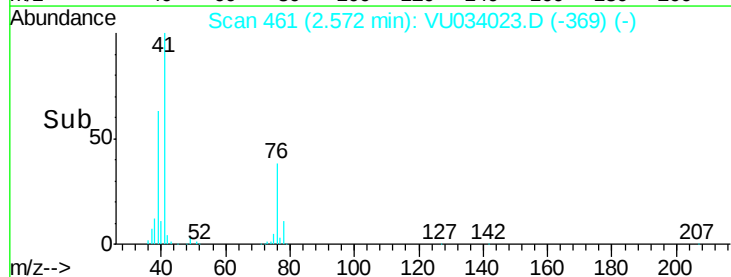
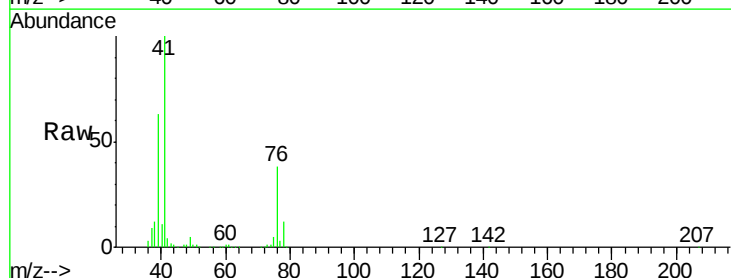
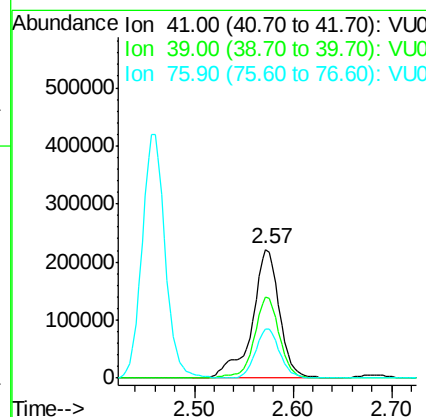
Manual Integrations
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#14
Allyl chloride
Concen: 49.611 ug/l
RT: 2.57 min Scan# 461
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	41	Resp	424386
Ion Ratio	100	Lower	Upper
39	57.2	46.8	70.2
76	33.7	26.6	40.0





#15

Acrylonitrile

Concen: 247.288 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

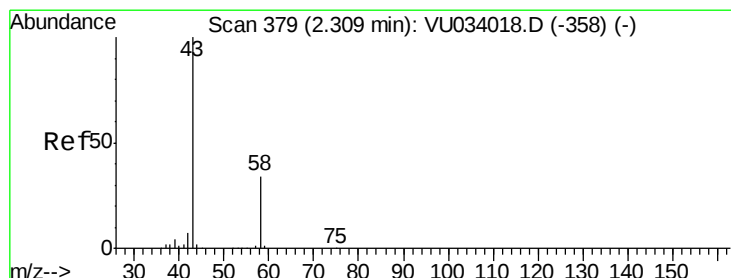
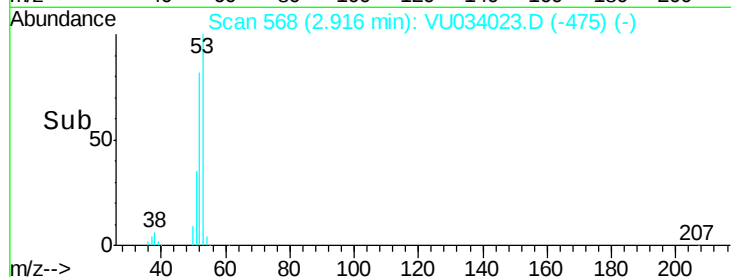
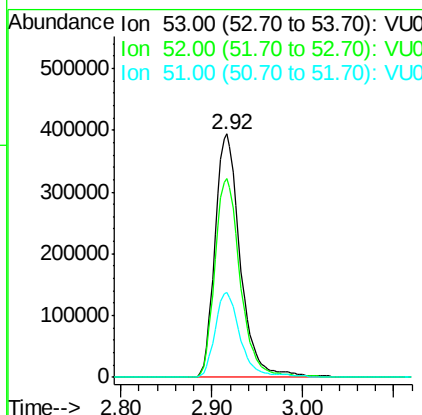
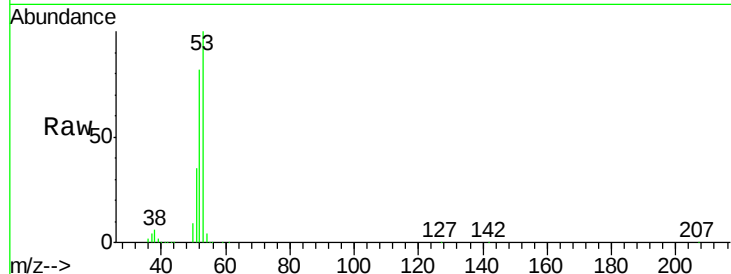
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	762027
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.7	98.5
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 250.923 ug/l

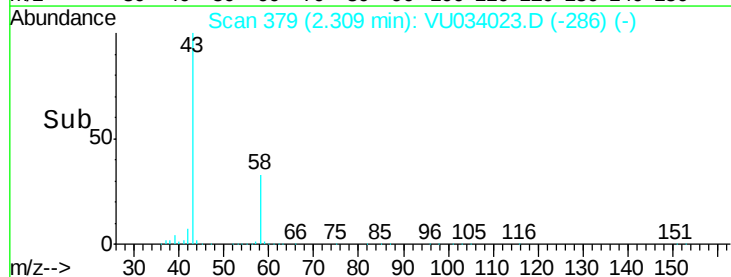
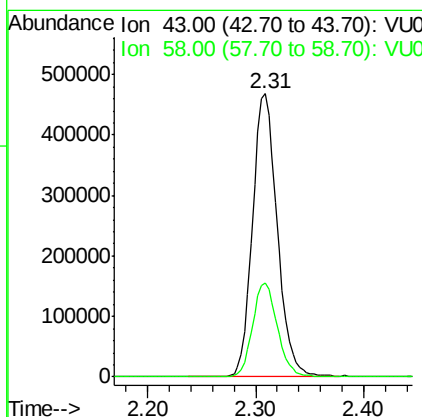
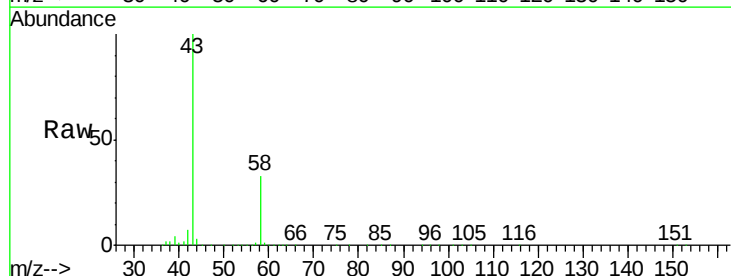
RT: 2.31 min Scan# 379

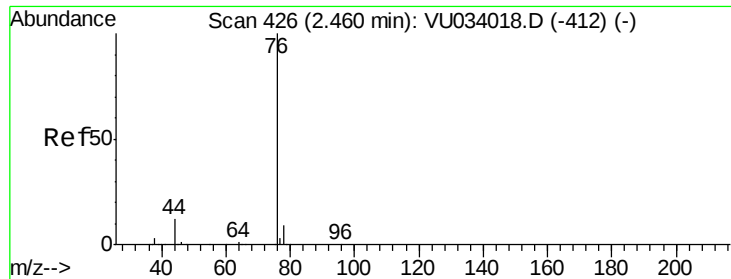
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	43	Resp:	745577
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.8	40.2





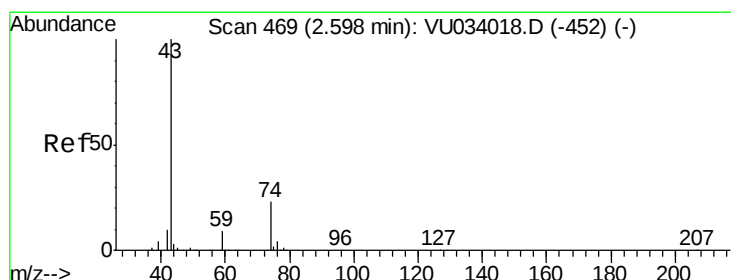
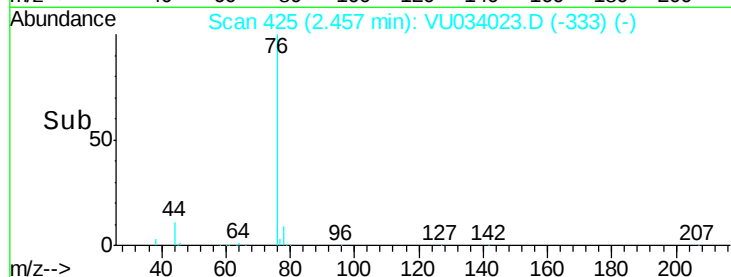
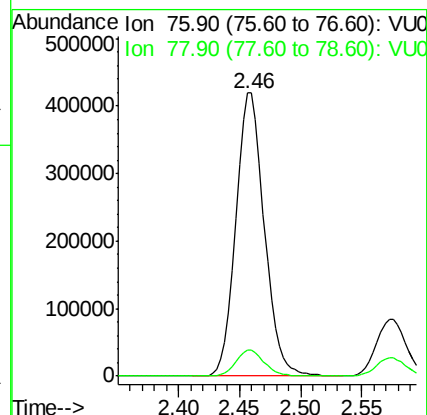
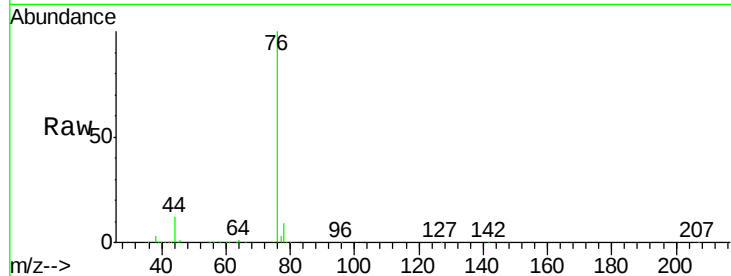
#17
Carbon Disulfide
Concen: 47.449 ug/l
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

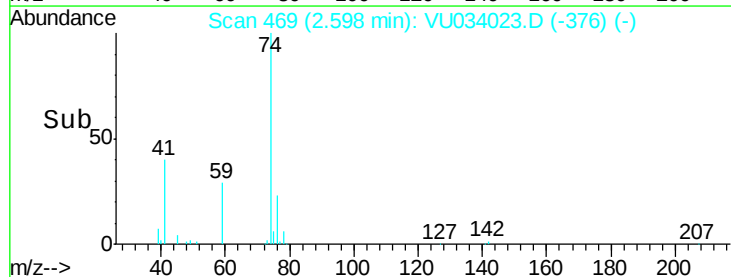
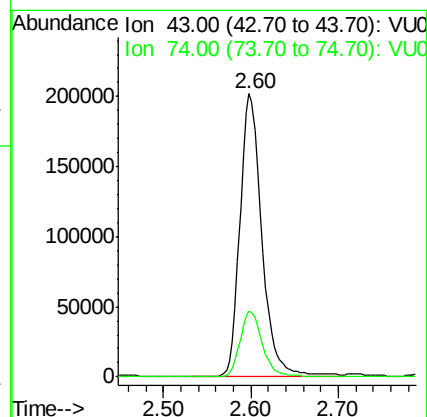
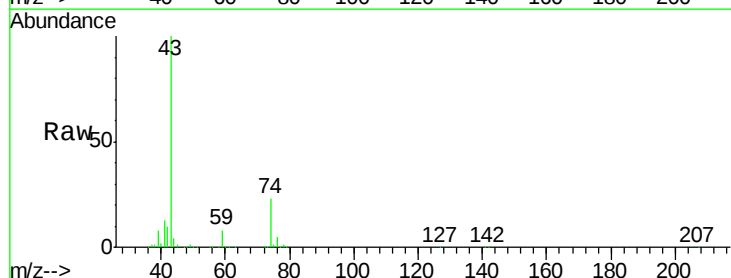
Manual Integrations
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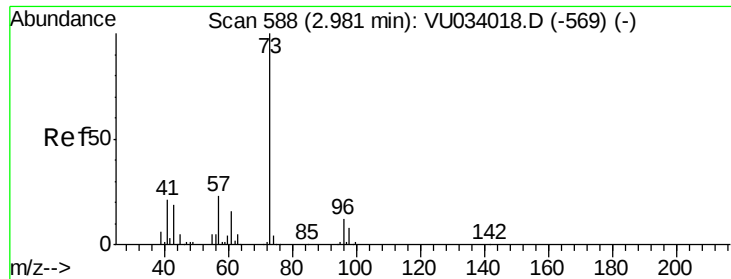
MMDadoda
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#18
Methyl Acetate
Concen: 45.636 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





#19

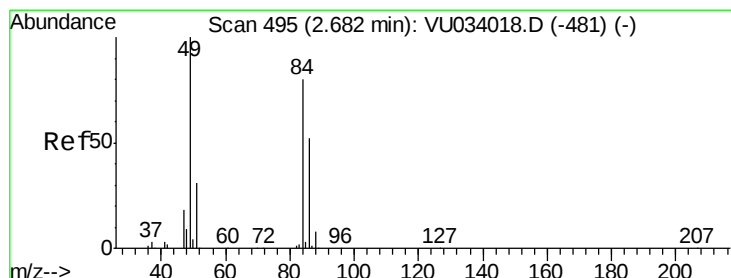
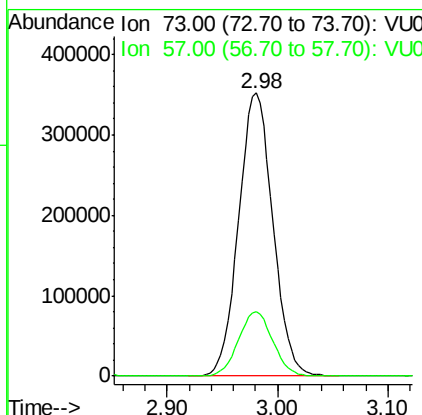
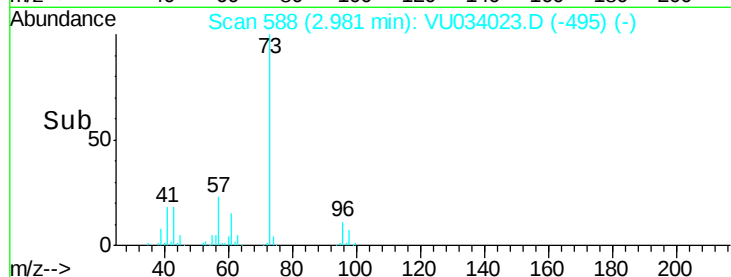
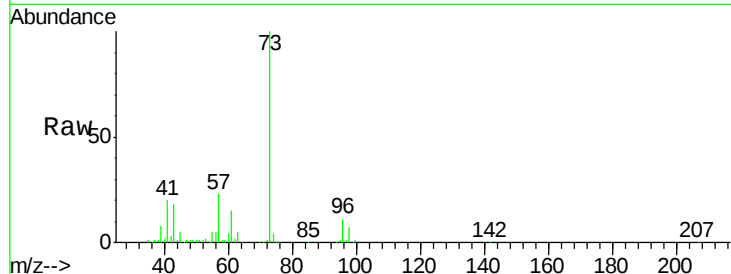
Methyl tert-butyl Ether
 Concen: 50.871 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.3	27.5

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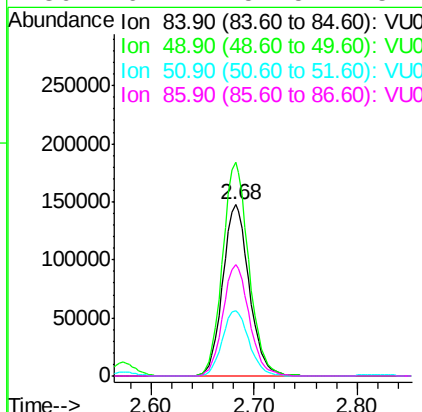
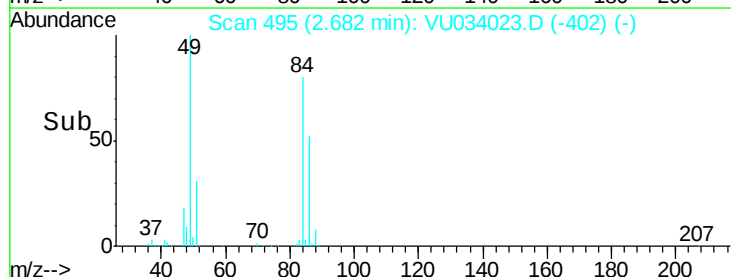
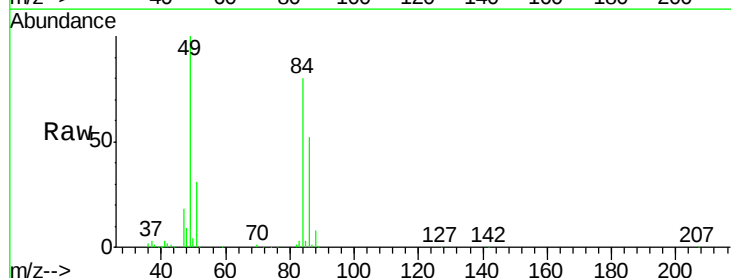
MMDadoda
 8/29/2019 8:48:01 AM

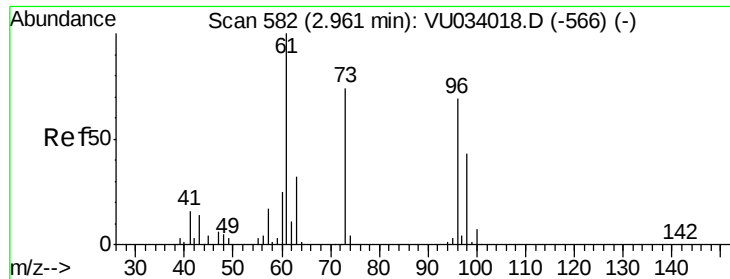


#20

Methylene Chloride
 Concen: 46.792 ug/l
 RT: 2.68 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	100.2	150.4
51	38.4	30.8	46.2
86	64.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.718 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

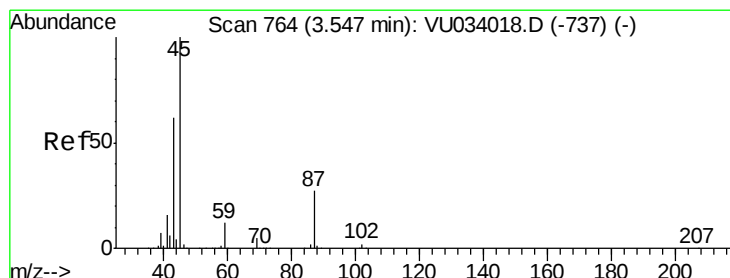
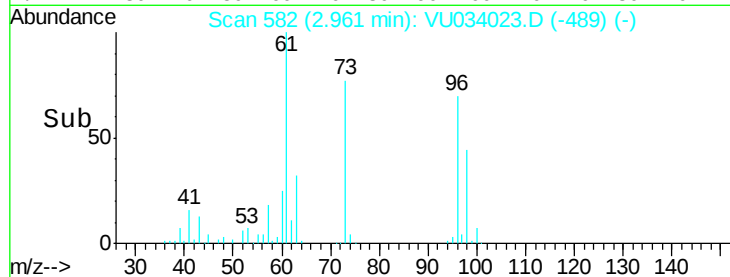
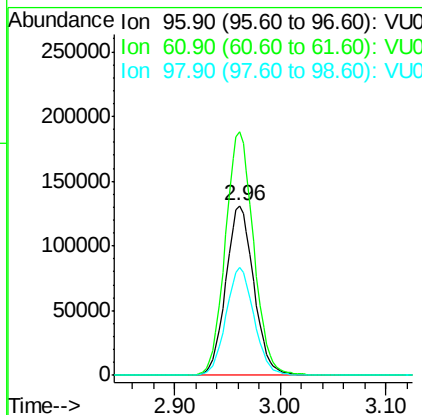
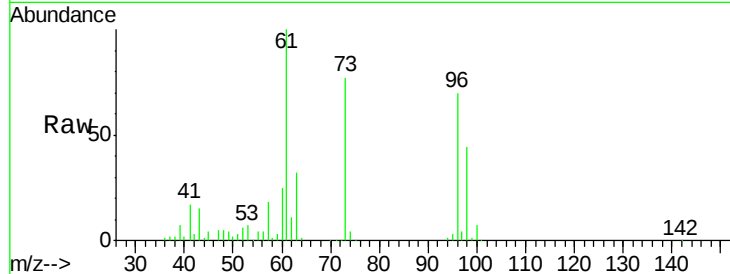
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240560
Ion	Ratio	Lower	Upper
96	100		
61	143.6	115.5	173.3
98	63.5	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.335 ug/l

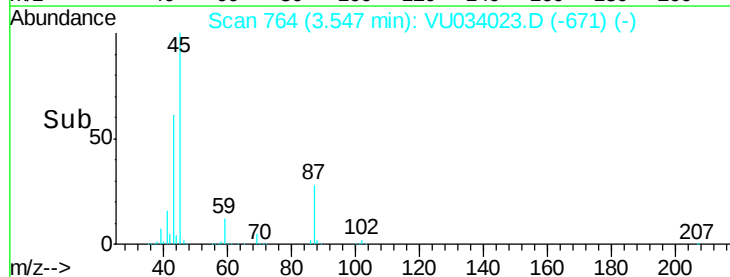
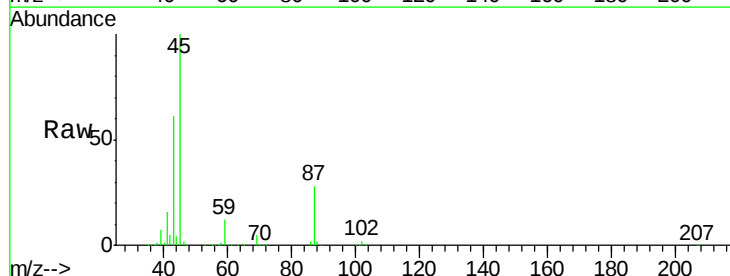
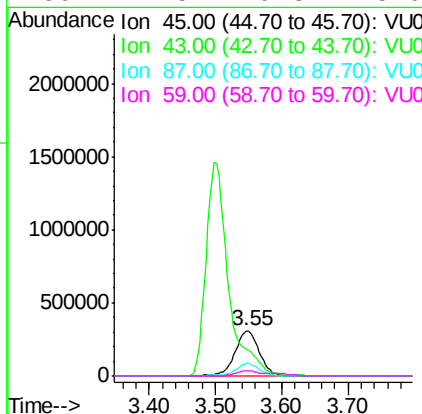
RT: 3.55 min Scan# 764

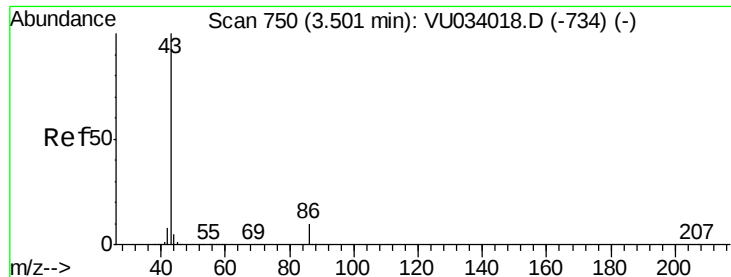
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	45	Resp:	789000
Ion	Ratio	Lower	Upper
45	100		
43	60.9	49.7	74.5
87	27.7	21.8	32.8
59	11.5	9.3	13.9





#23

Vinyl Acetate

Concen: 257.201 ug/l

RT: 3.50 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3463306

Ion Ratio Lower Upper

43 100

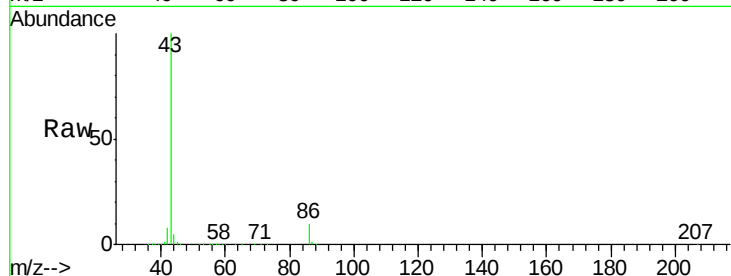
86 10.2 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

1500000

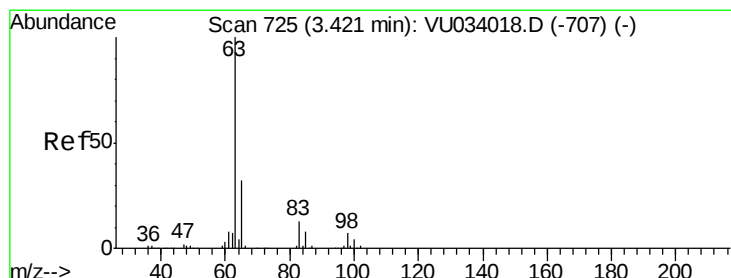
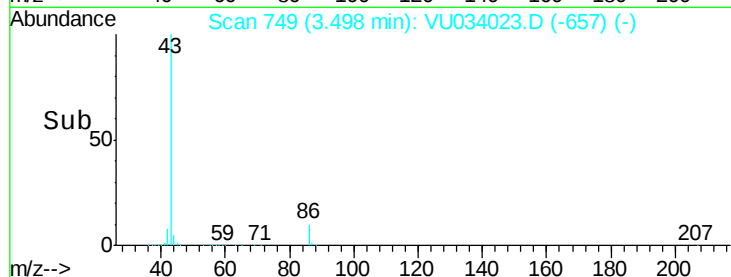
1000000

500000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.929 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

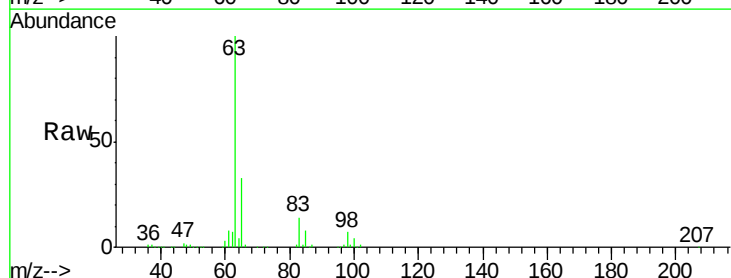
Tgt Ion: 63 Resp: 452804

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

250000

200000

150000

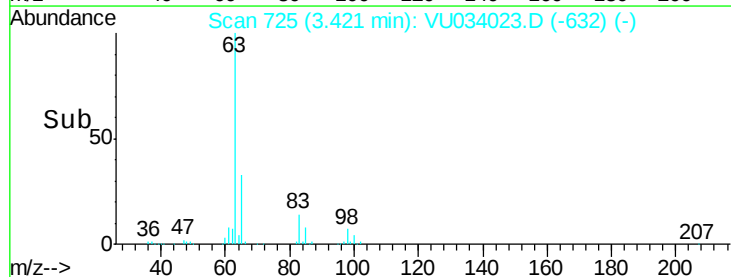
100000

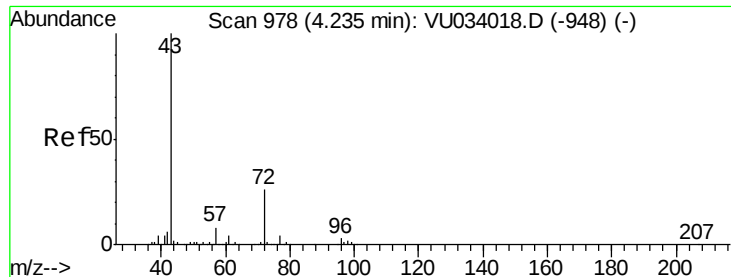
50000

0

3.30 3.40 3.50

Time-->





#25

2-Butanone

Concen: 256.267 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1059390

Ion Ratio Lower Upper

43 100

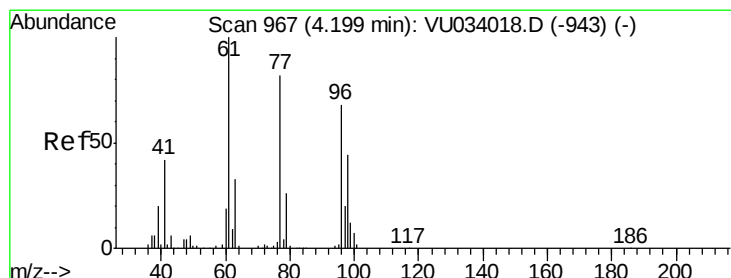
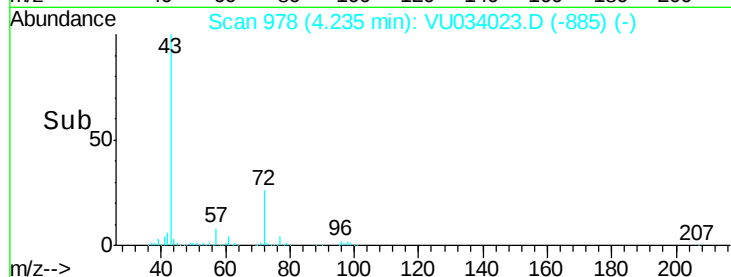
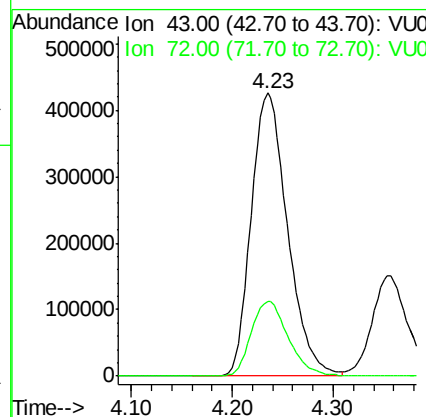
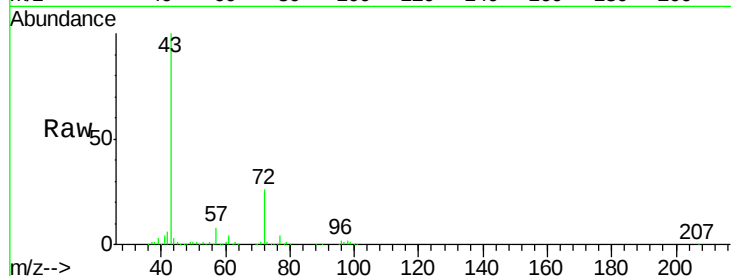
72 26.4 21.2 31.8

Manual Integrations

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MMDadoda

8/29/2019 8:48:01 AM



#26

2,2-Dichloropropane

Concen: 49.522 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034023.D

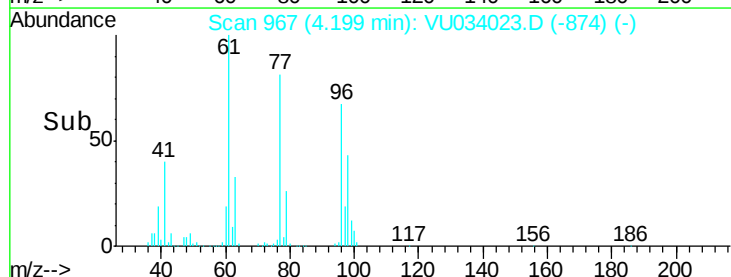
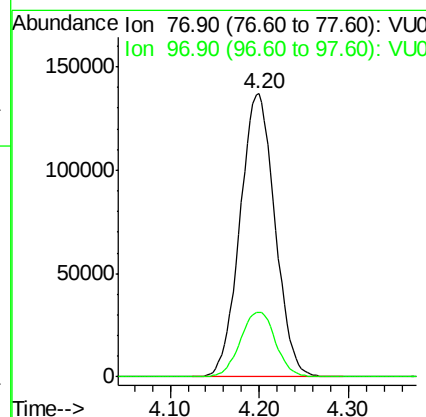
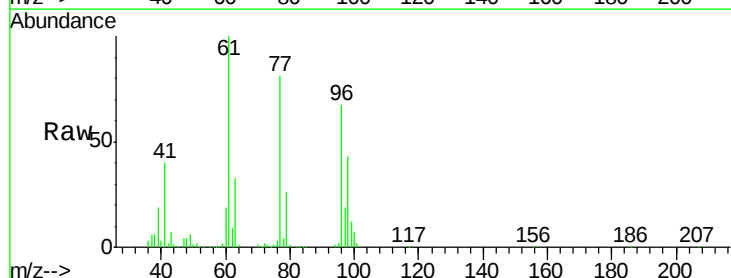
Acq: 28 Aug 2019 14:52

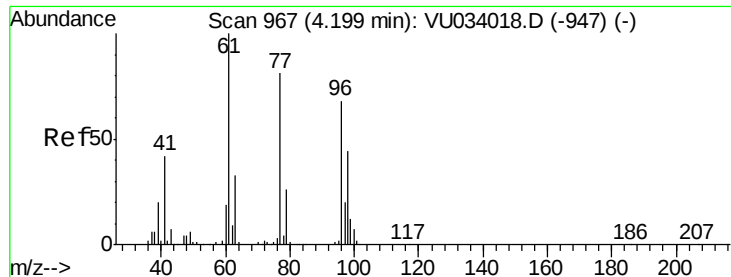
Tgt Ion: 77 Resp: 372913

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7





#27

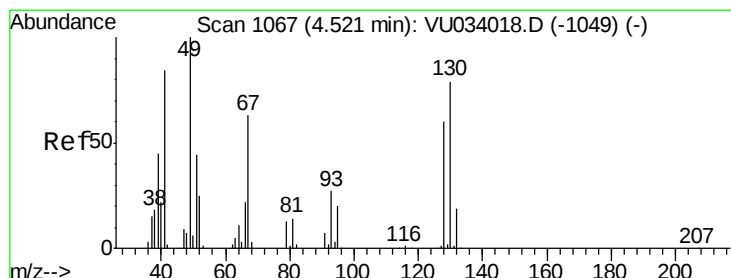
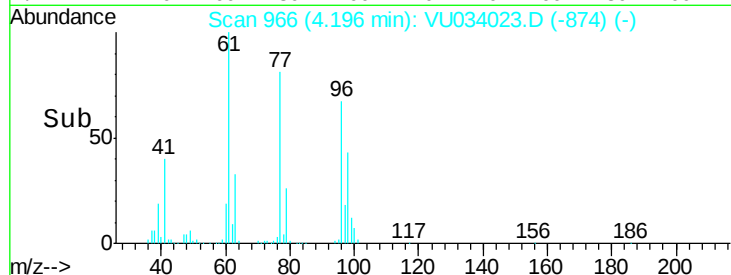
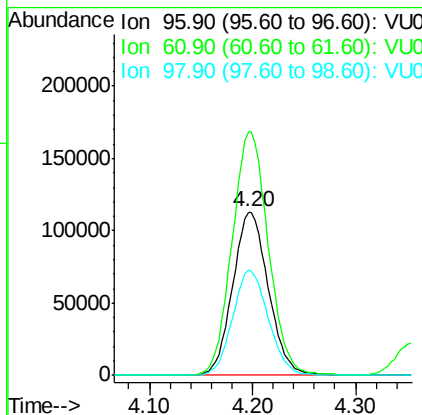
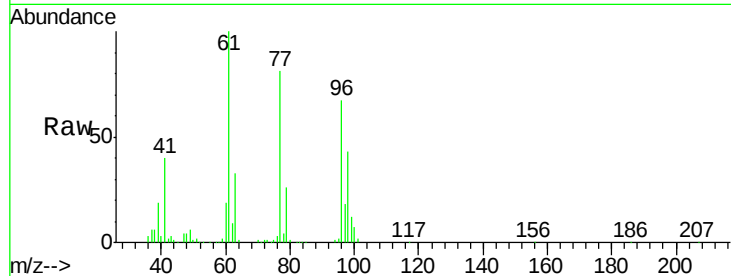
cis-1,2-Dichloroethene
Concen: 49.092 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272079		
61	151.3	0.0	303.0	
98	64.8	0.0	129.2	

Manual Integrations
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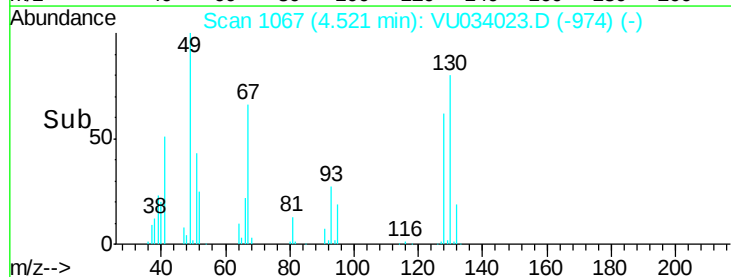
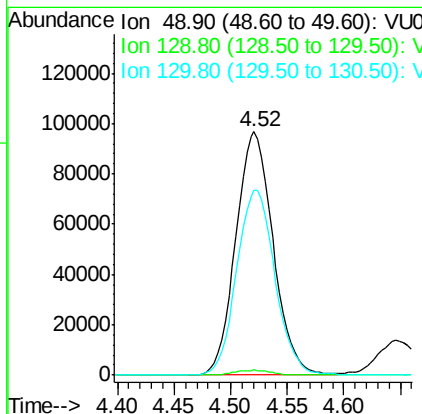
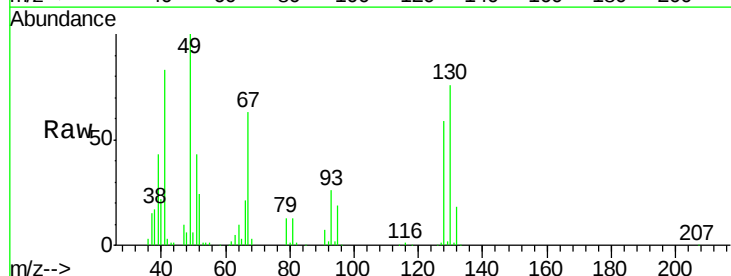
MMDadoda
8/29/2019 8:48:01 AM

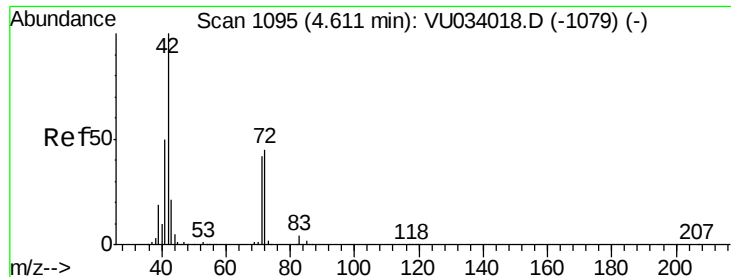


#28

Bromochloromethane
Concen: 48.857 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	222759		
129	1.9	0.0	3.6	
130	78.0	62.8	94.2	





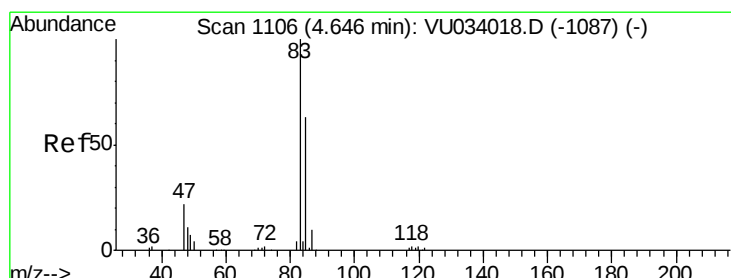
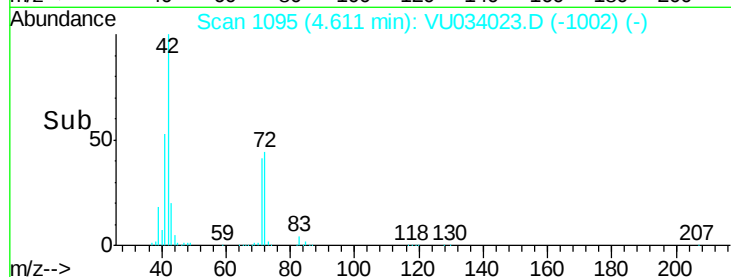
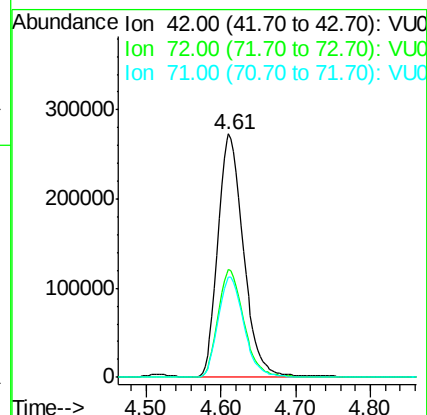
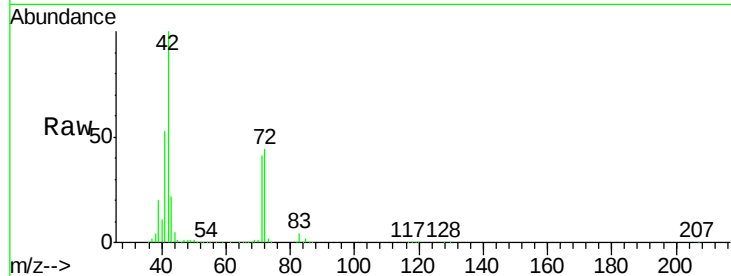
#29
Tetrahydrofuran
Concen: 253.573 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	42.0	34.0	51.0

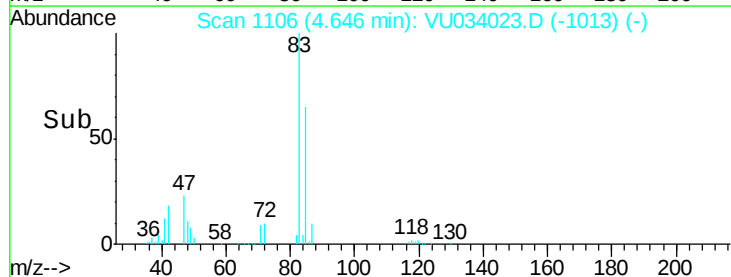
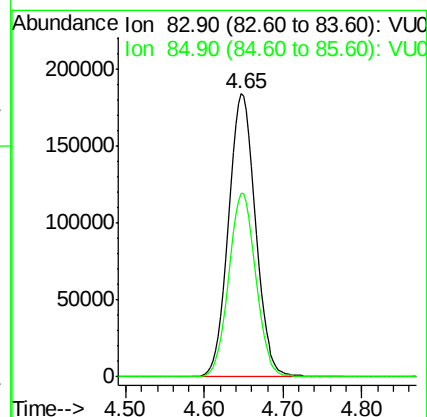
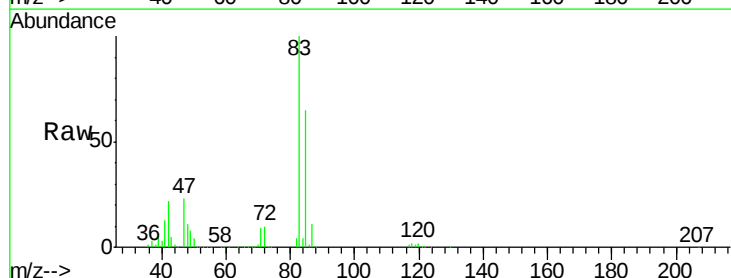
Manual Integrations
APPROVED

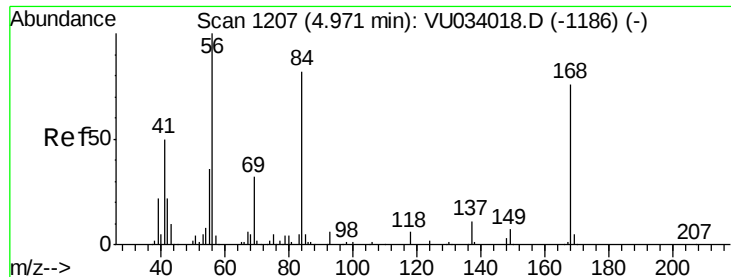
MMDadoda
8/29/2019 8:48:01 AM



#30
Chloroform
Concen: 47.260 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.7	76.1





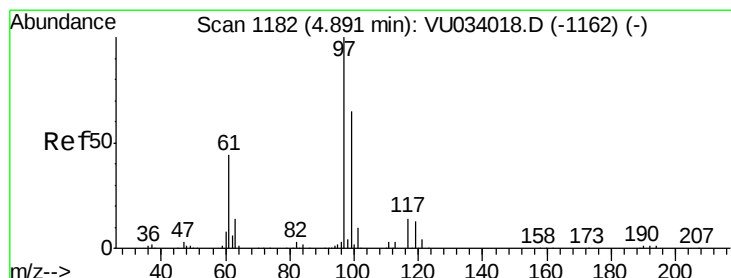
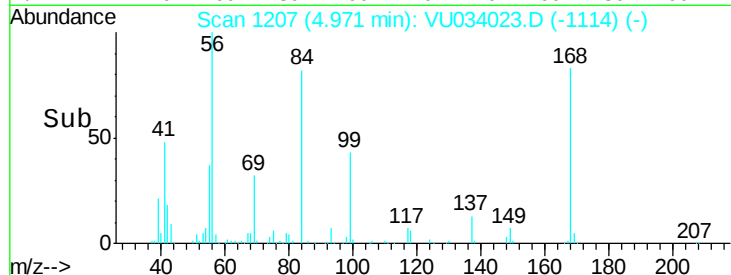
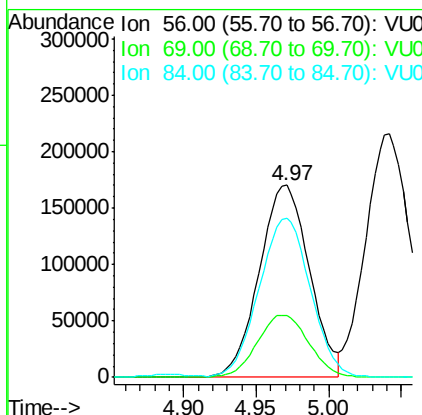
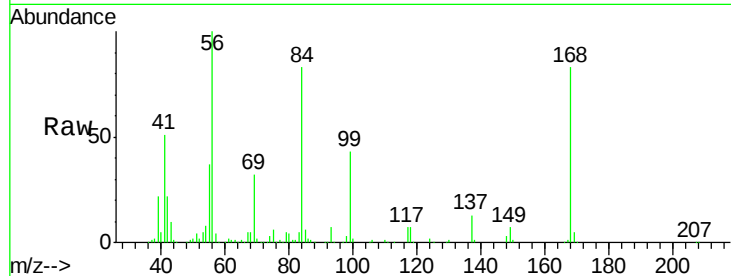
#31
Cyclohexane
Concen: 47.161 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	410109
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.0
84	82.2	65.8	98.8

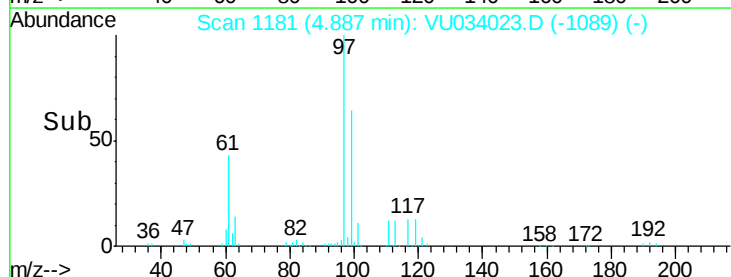
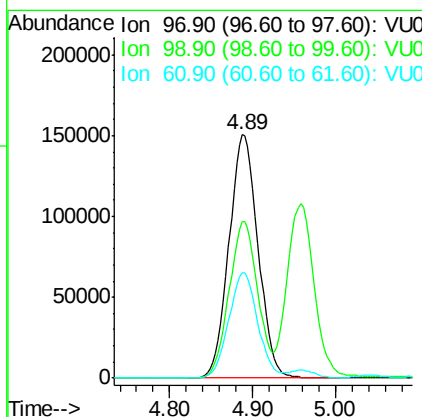
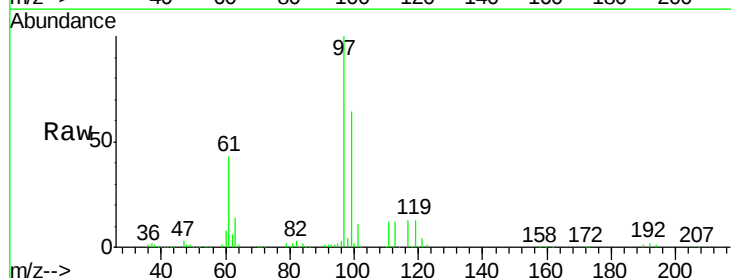
Manual Integrations
APPROVED

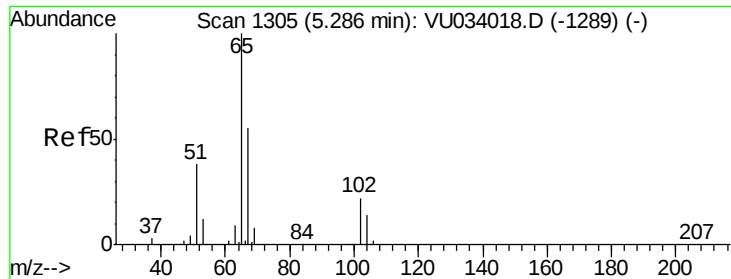
MMDadoda
8/29/2019 8:48:01 AM



#32
1,1,1-Trichloroethane
Concen: 48.470 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	97	Resp	366539
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	43.3	35.3	52.9





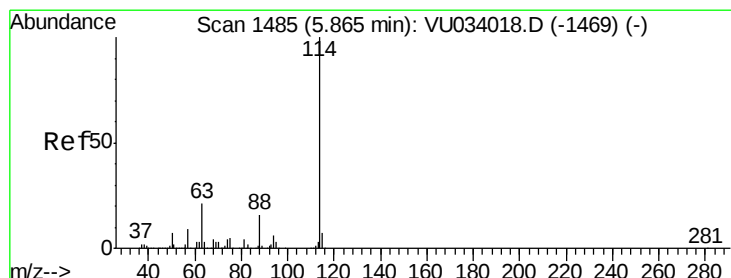
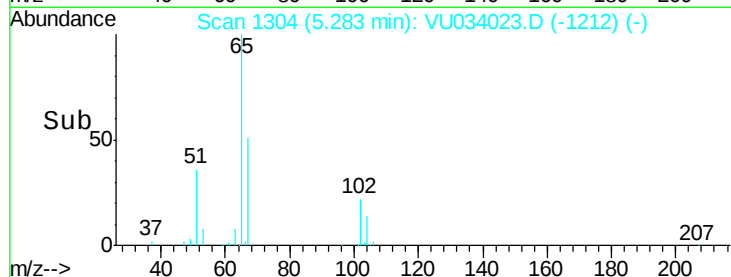
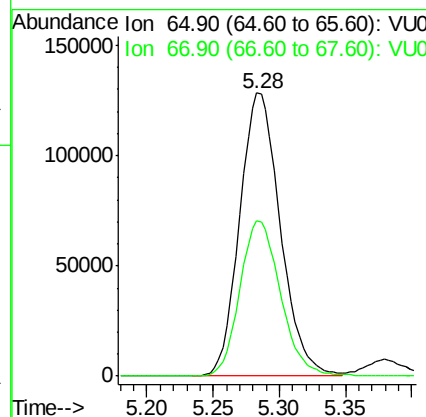
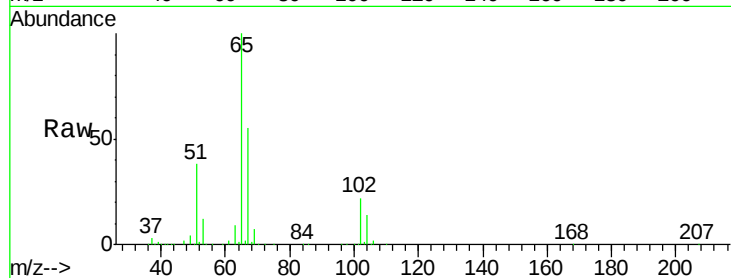
#33
 1,2-Dichloroethane-d4
 Concen: 47.018 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273802		
67	55.0	0.0	110.6	

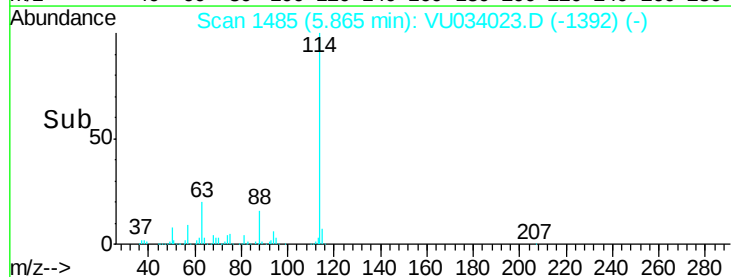
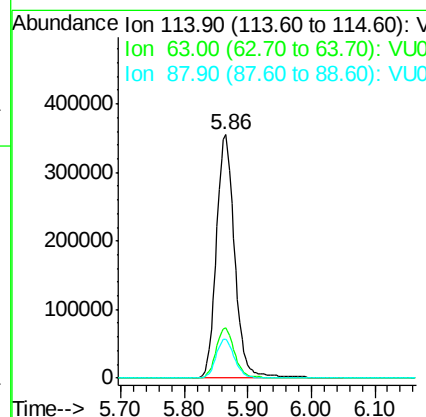
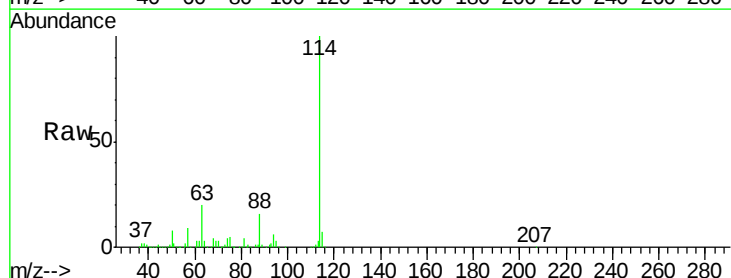
Manual Integrations
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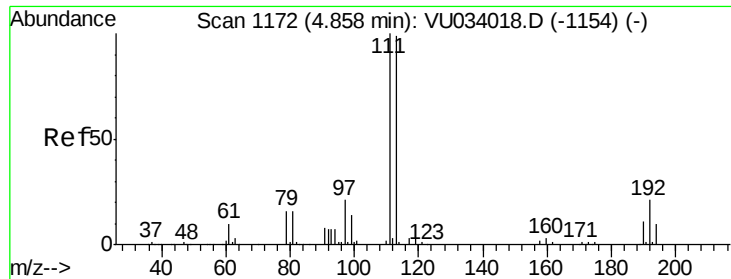
MMDadoda
 8/29/2019 8:48:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	711590		
63	20.5	0.0	42.0	
88	16.2	0.0	32.0	





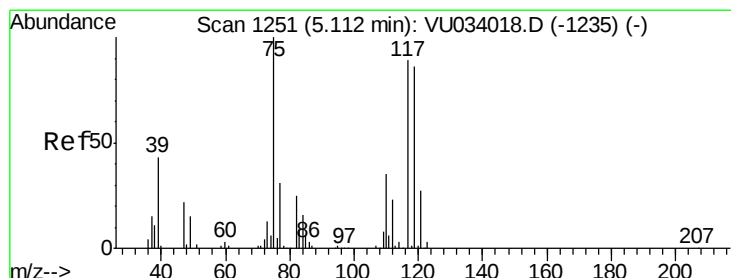
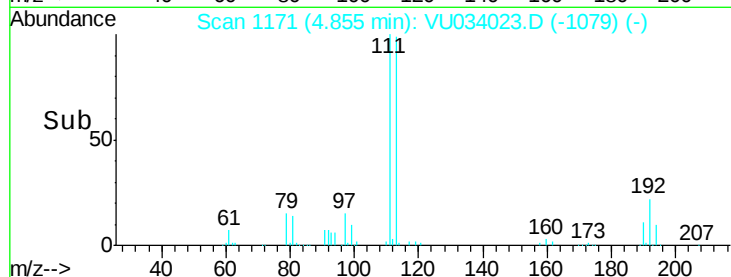
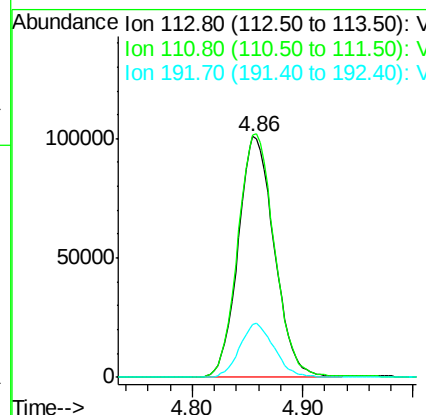
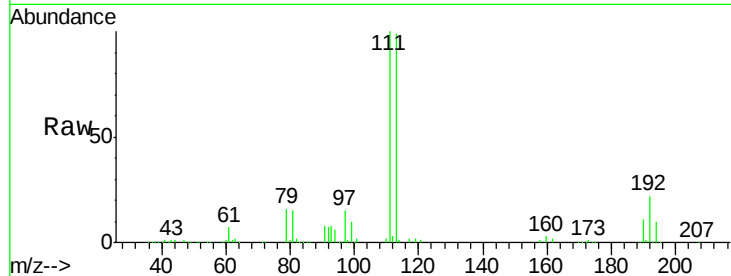
#35
 Dibromofluoromethane
 Concen: 46.430 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229156		
111	102.3	81.7	122.5	
192	21.6	17.1	25.7	

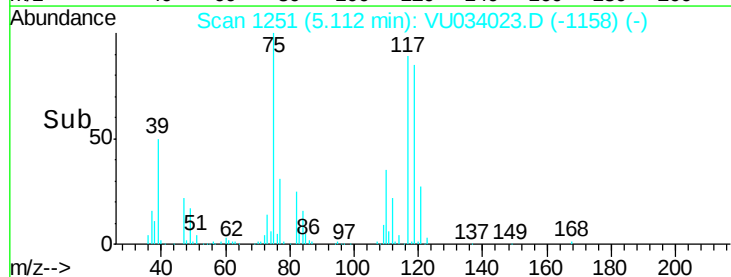
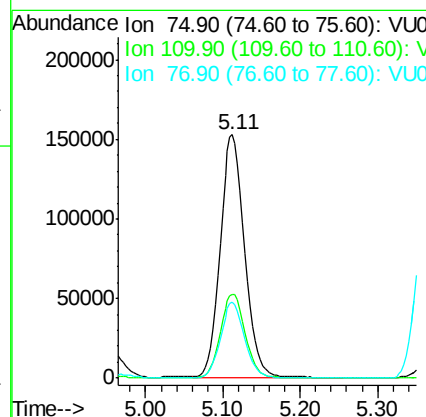
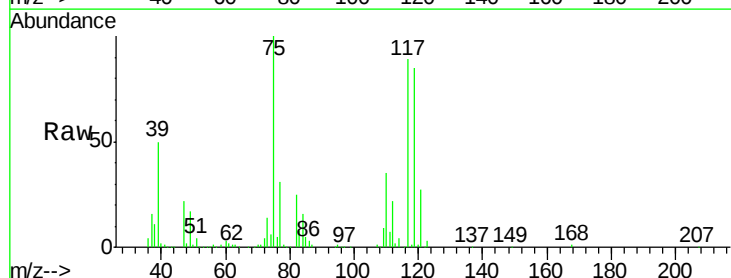
Manual Integrations
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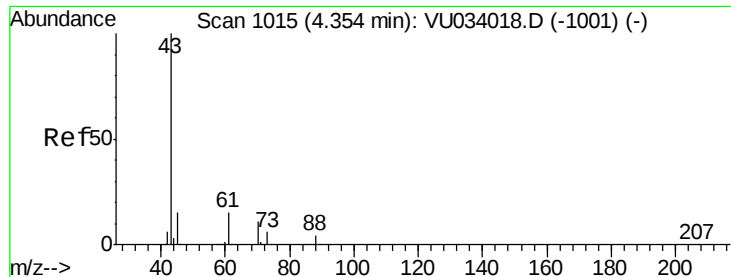
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#36
 1,1-Dichloropropene
 Concen: 49.887 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	335778		
110	35.5	17.8	53.5	
77	30.4	25.0	37.4	





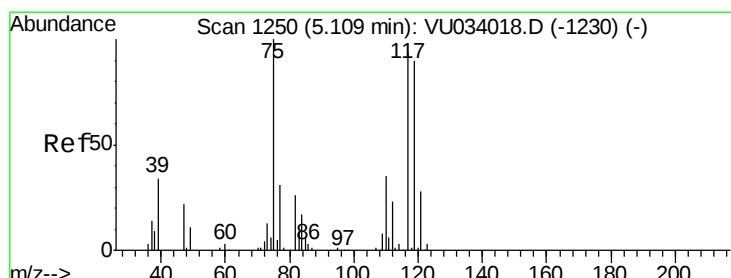
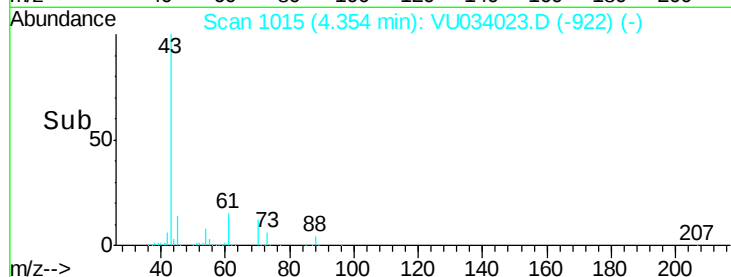
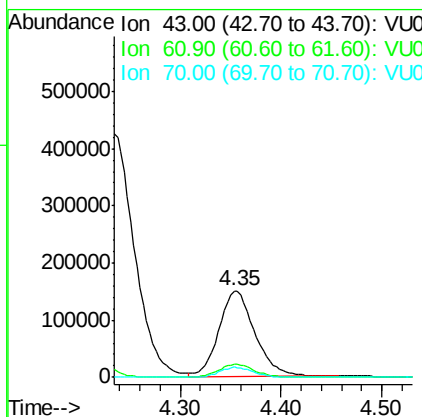
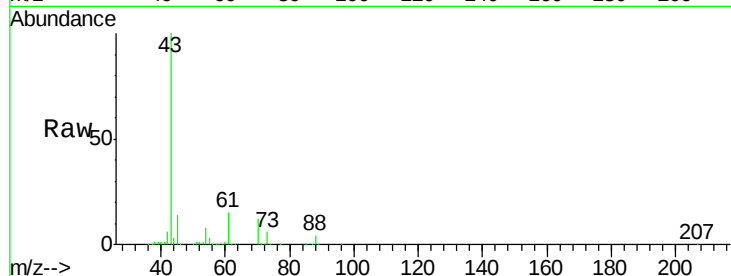
#37
Ethyl Acetate
Concen: 49.306 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.2	8.6	12.8

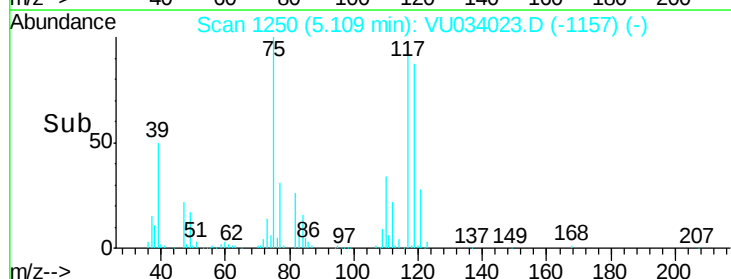
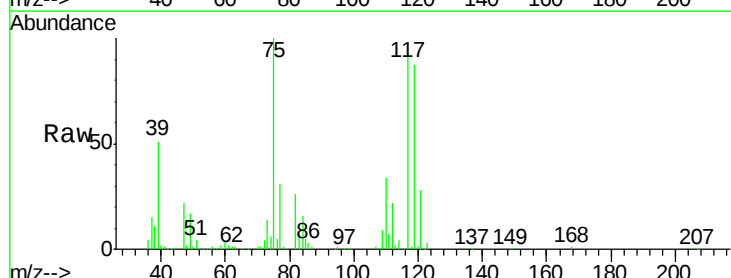
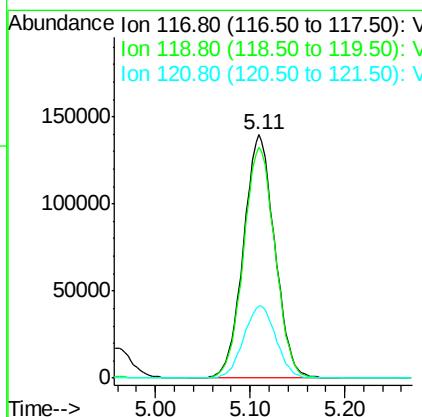
Manual Integrations
APPROVED

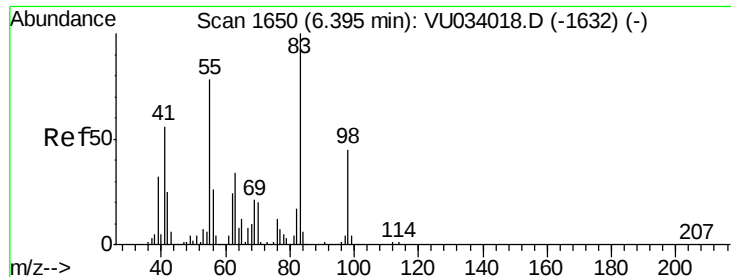
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.111 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.4
121	29.8	23.9	35.9





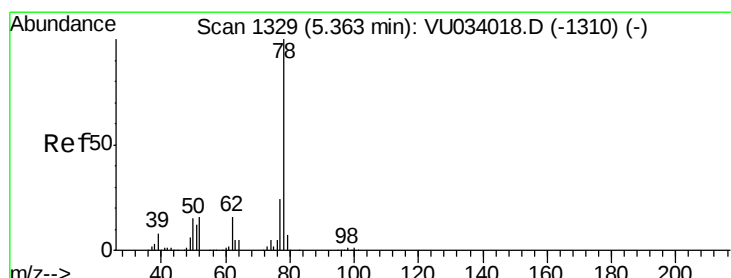
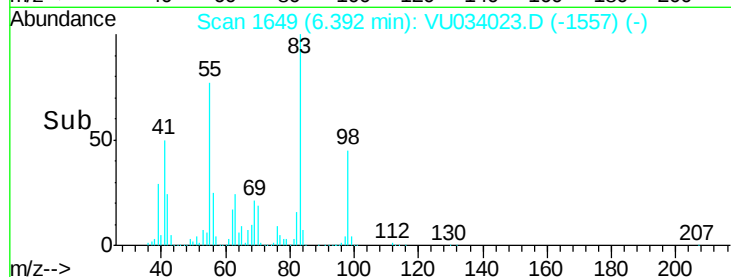
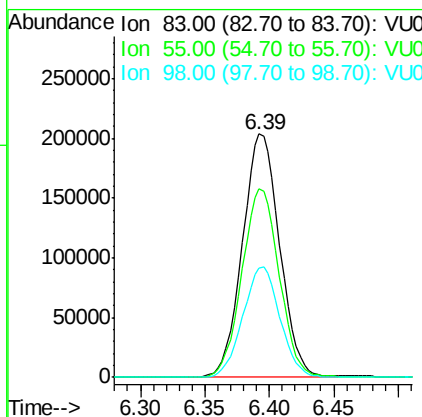
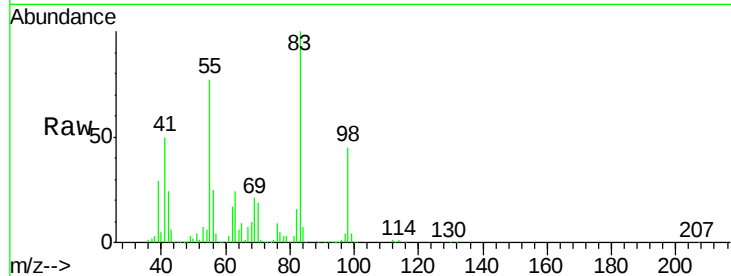
#39
Methvlcvclohexane
Concen: 51.558 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.3	93.5
98	44.9	36.2	54.2

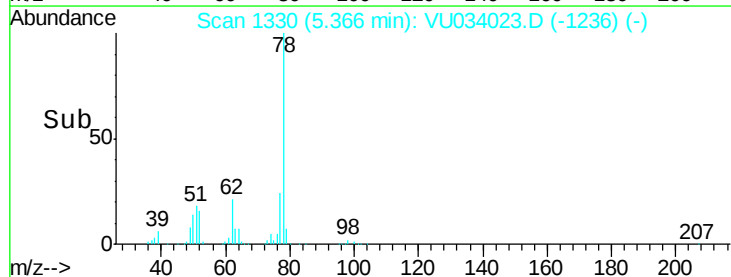
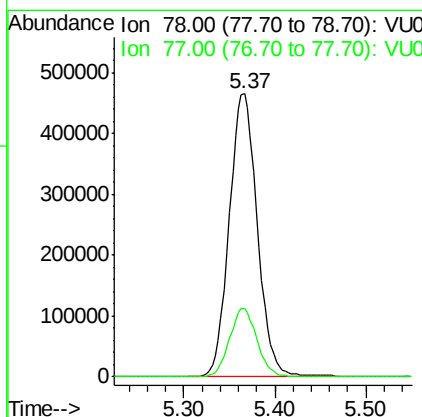
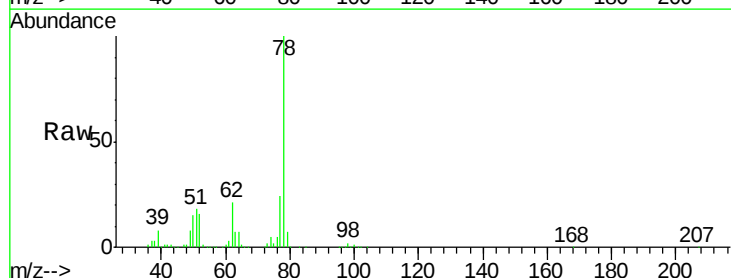
Manual Integrations
APPROVED

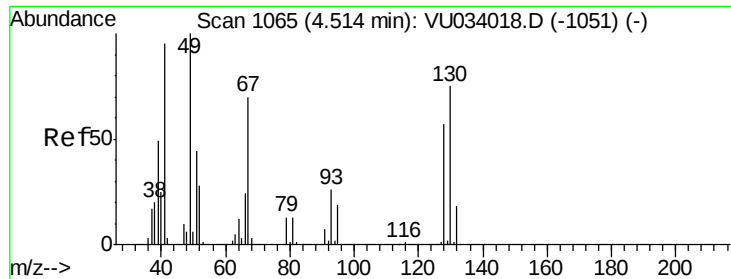
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#40
Benzene
Concen: 49.017 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





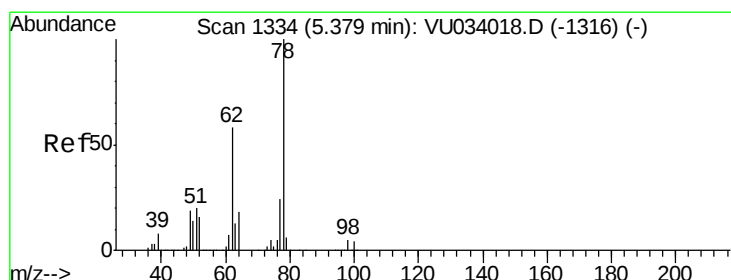
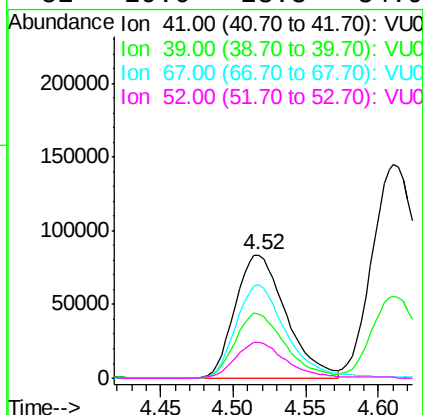
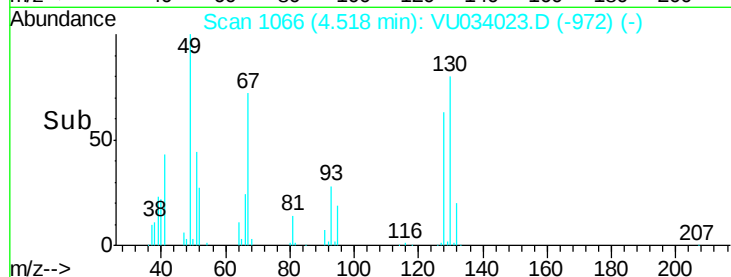
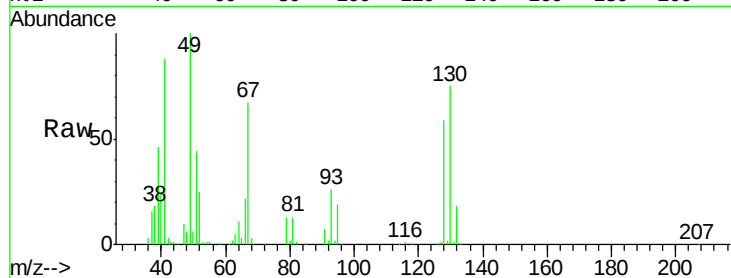
#41
Methacrylonitrile
Concen: 52.546 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.1	63.1	
67	75.6	61.0	91.4	
52	29.0	23.3	34.9	

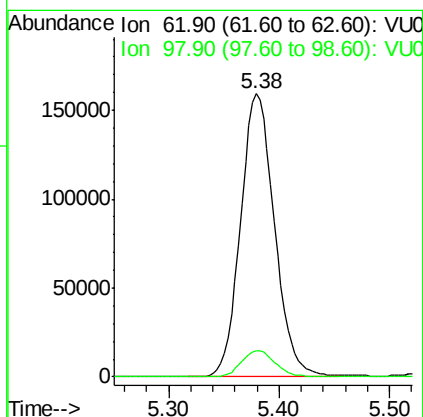
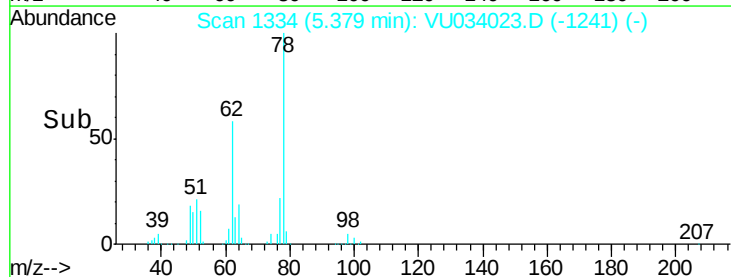
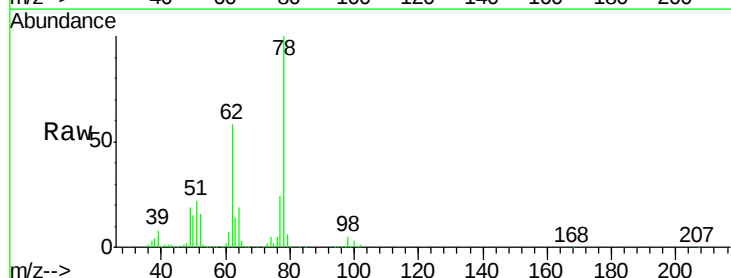
Manual Integrations
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8/29/2019 8:48:01 AM



#42
1,2-Dichloroethane
Concen: 48.404 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

Isopropyl Acetate

Concen: 51.149 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

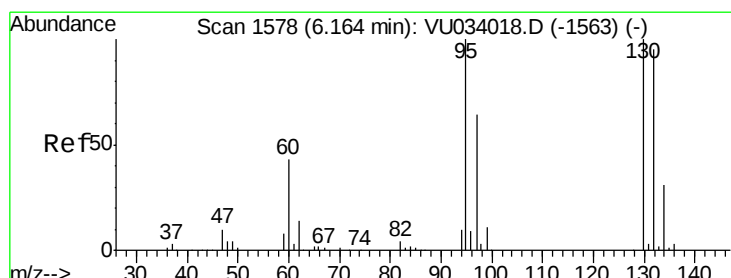
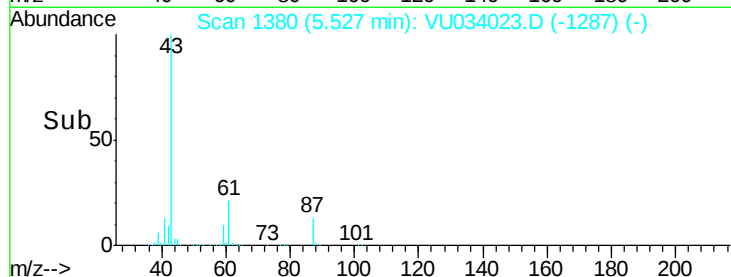
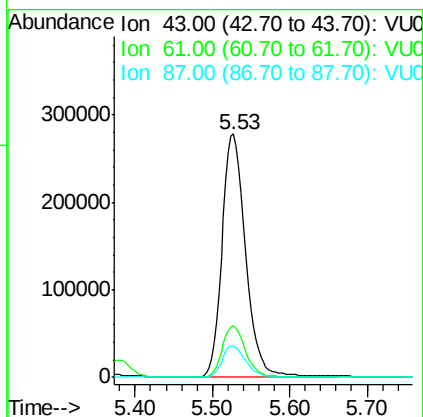
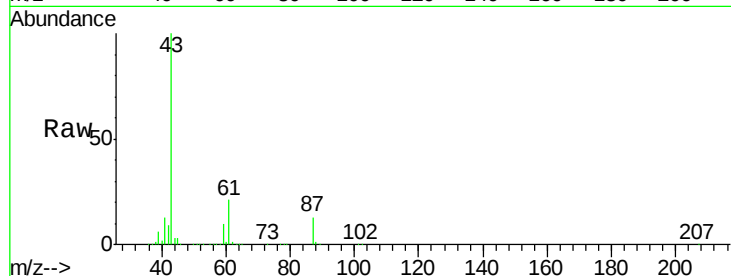
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	586513
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.1	10.8	16.2

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#44

Trichloroethene

Concen: 49.629 ug/l

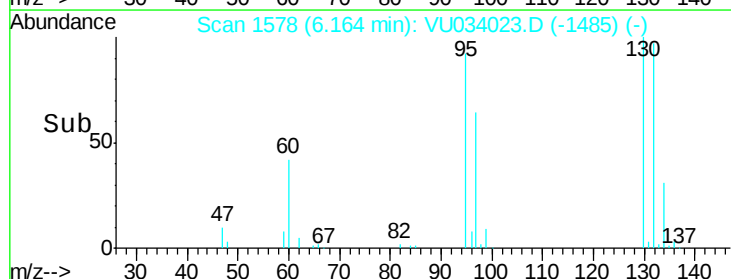
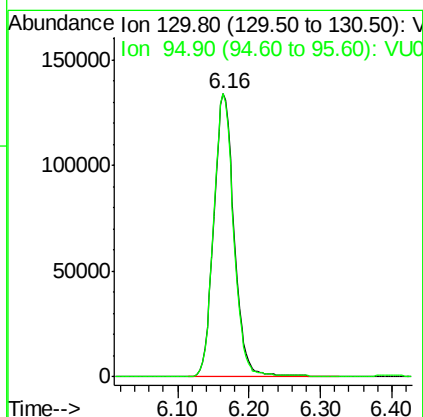
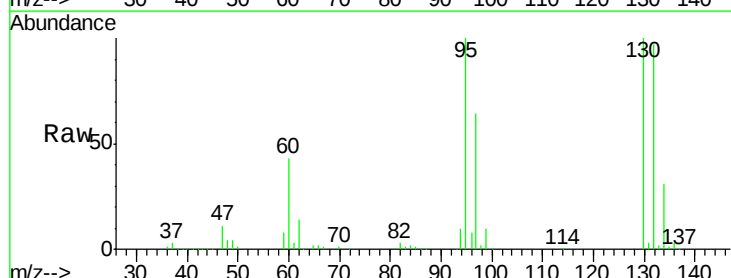
RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	130	Resp:	265397
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	199.6





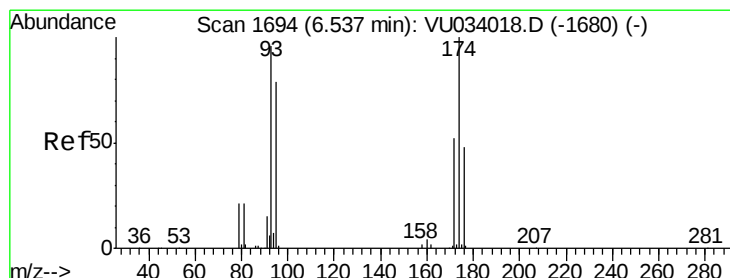
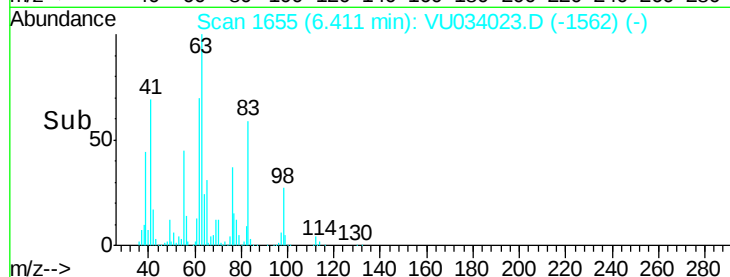
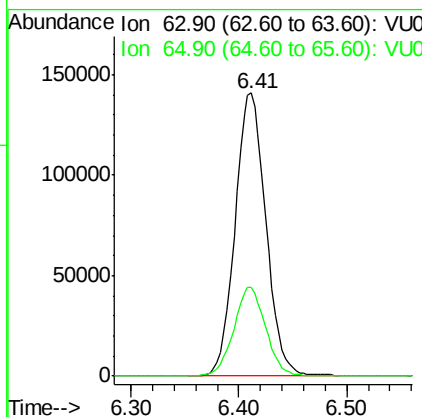
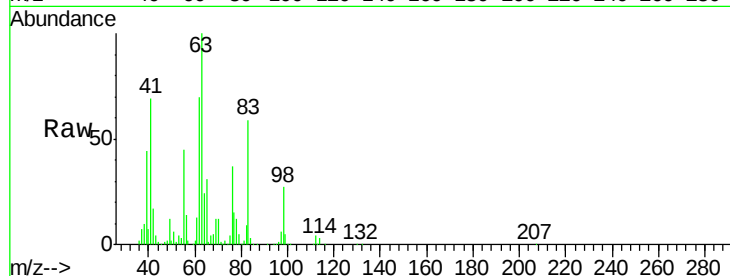
#45
 1,2-Dichloropropane
 Concen: 49.970 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	280121		
65	31.3	25.4	38.2	

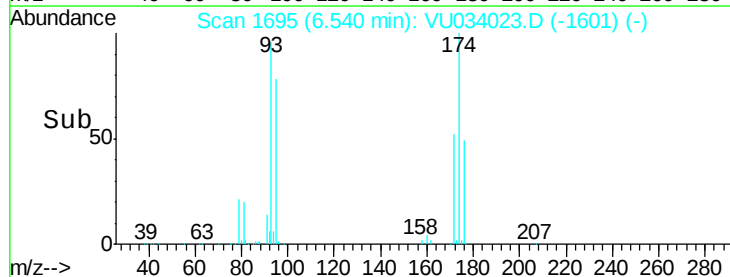
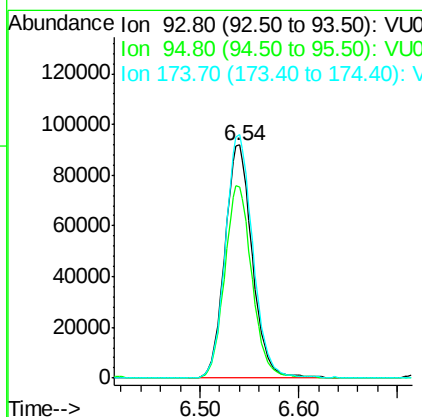
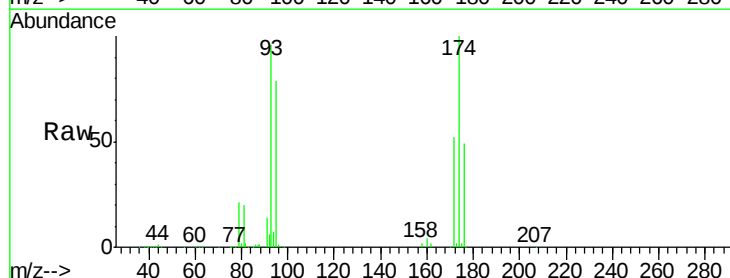
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 8/29/2019 8:48:01 AM



#46
 Dibromomethane
 Concen: 49.443 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	178565		
95	81.7	66.7	100.1	
174	104.6	84.9	127.3	





#47

Bromodichloromethane

Concen: 49.281 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

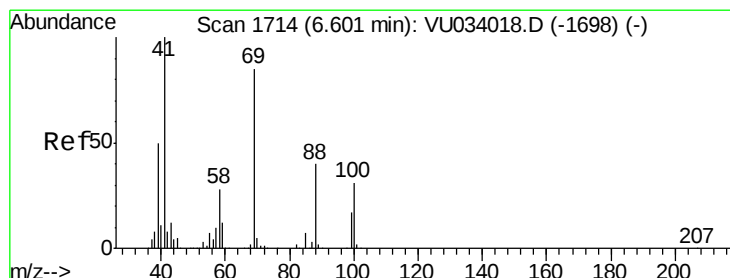
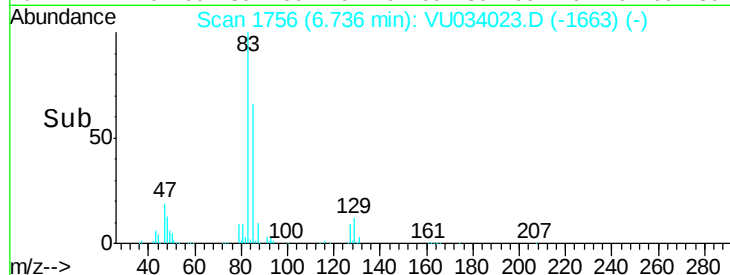
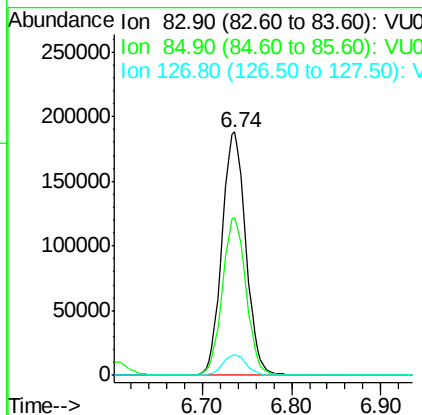
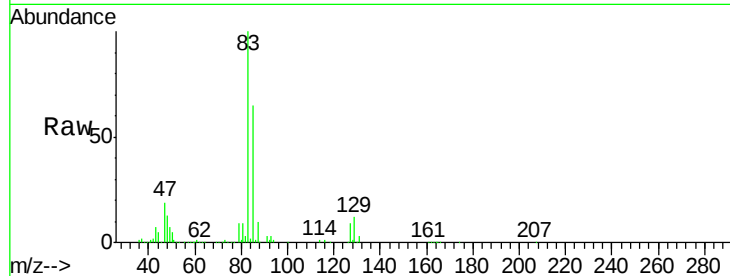
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	348214
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.5	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.075 ug/l

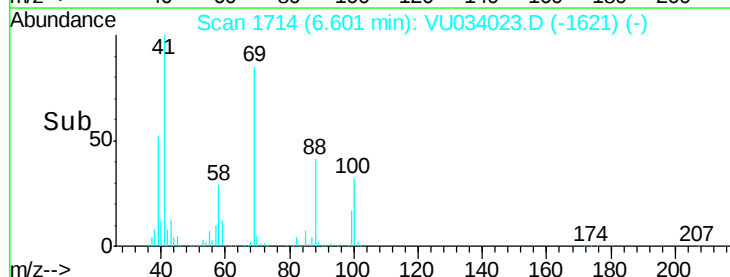
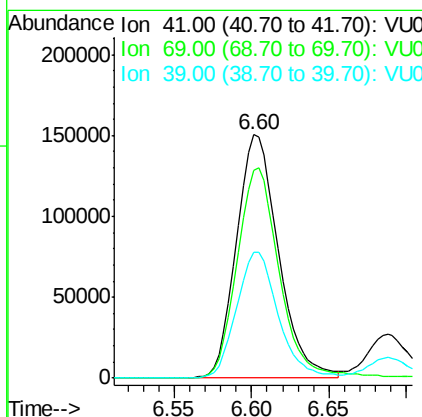
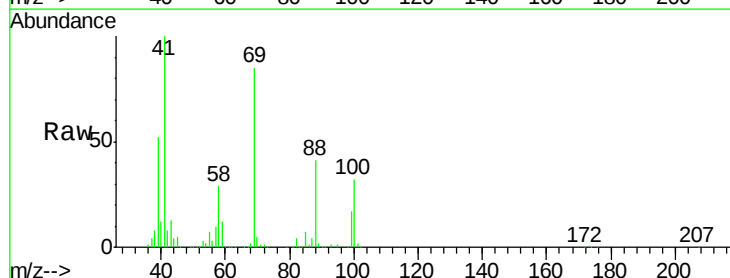
RT: 6.60 min Scan# 1714

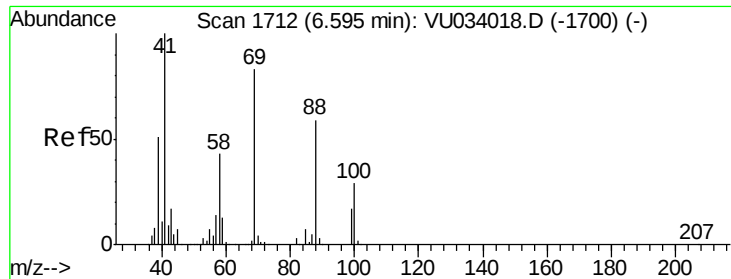
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	41	Resp:	282610
Ion Ratio	Lower	Upper	
41	100		
69	88.6	69.5	104.3
39	51.2	40.3	60.5





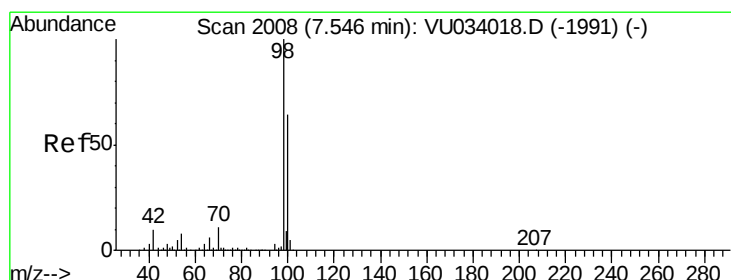
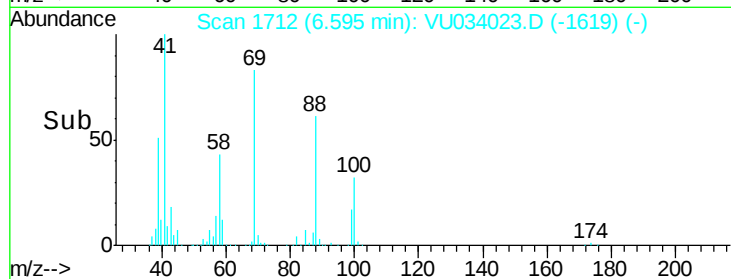
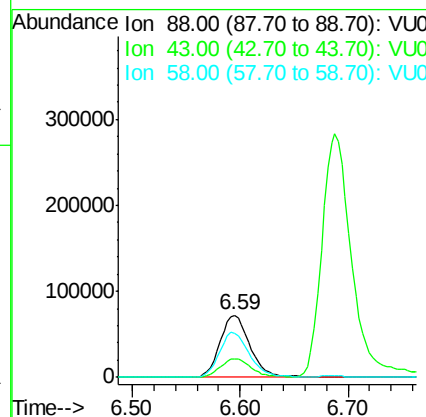
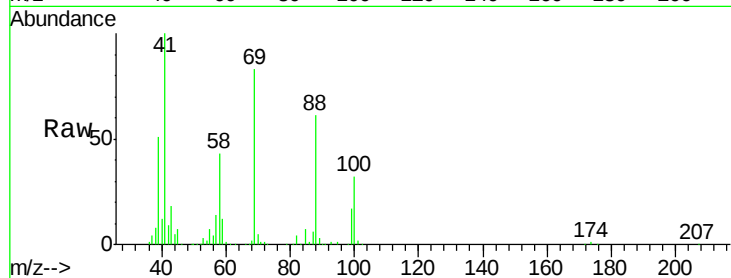
#49
1,4-Dioxane
Concen: 998.414 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.0	24.8	37.2	
58	73.2	59.3	88.9	

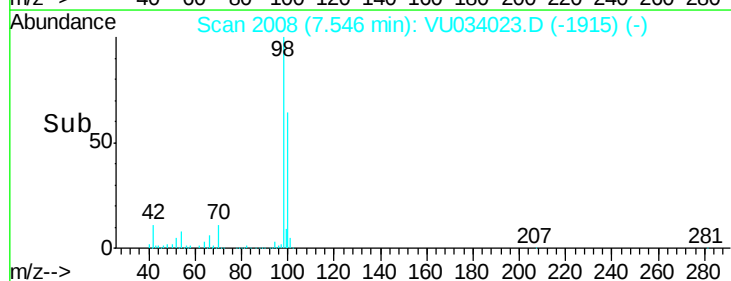
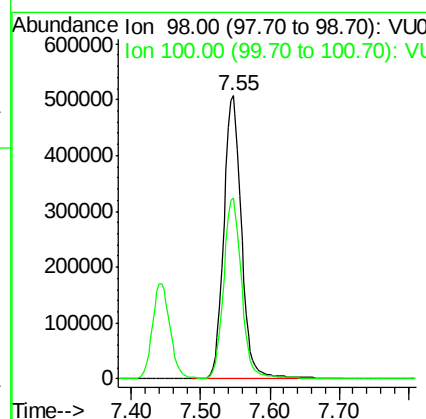
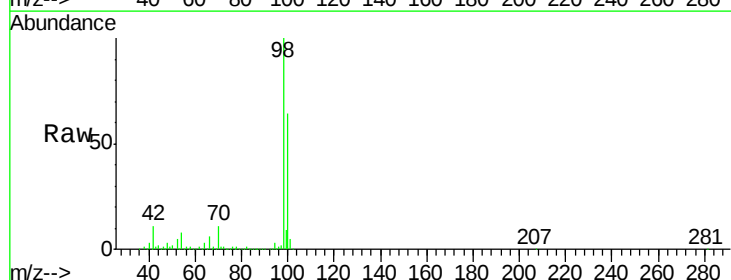
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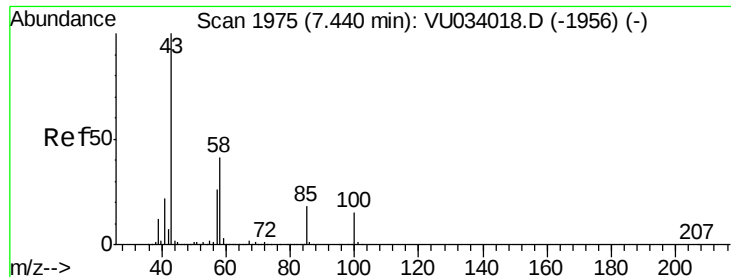
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#50
Toluene-d8
Concen: 48.870 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.7	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 249.773 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1977955

Ion Ratio Lower Upper

43 100

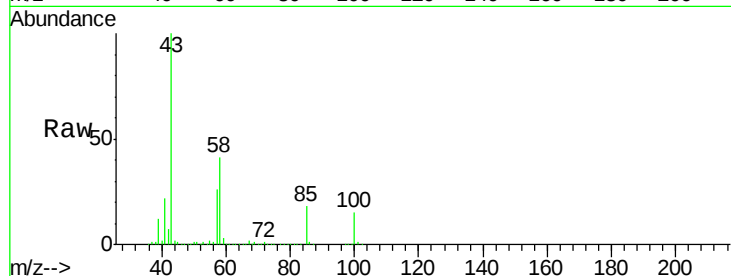
58 41.0 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034023.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034023.D (-1956) (-)

7.44

1200000

1000000

800000

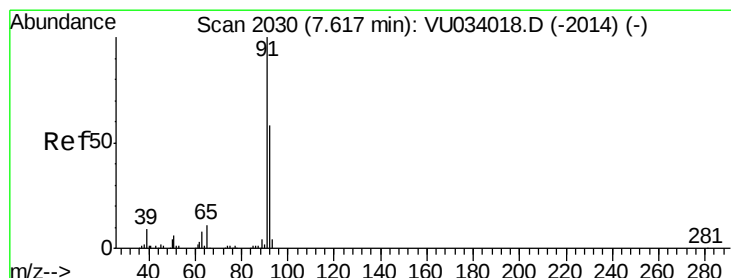
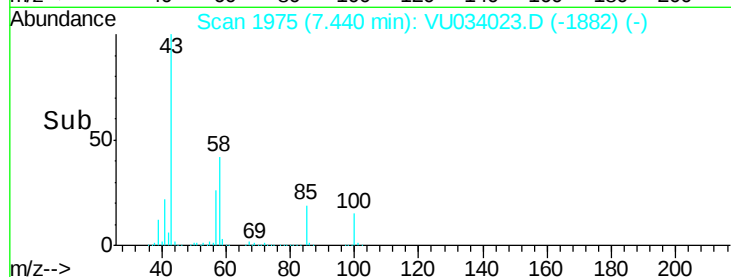
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.825 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034023.D

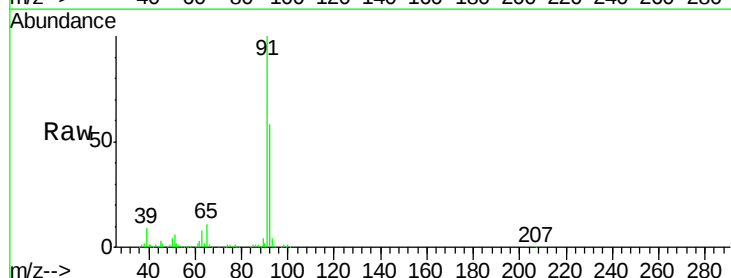
Acq: 28 Aug 2019 14:52

Tgt Ion: 92 Resp: 637584

Ion Ratio Lower Upper

92 100

91 172.2 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034023.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034023.D (-2014) (-)

7.62

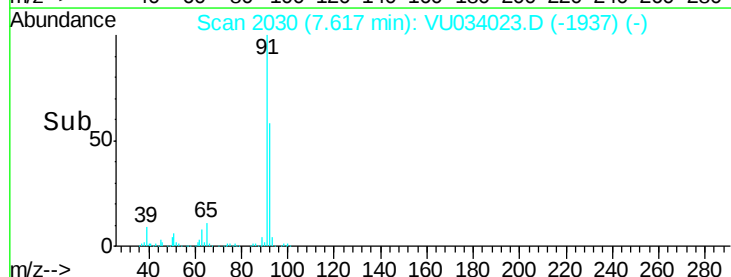
600000

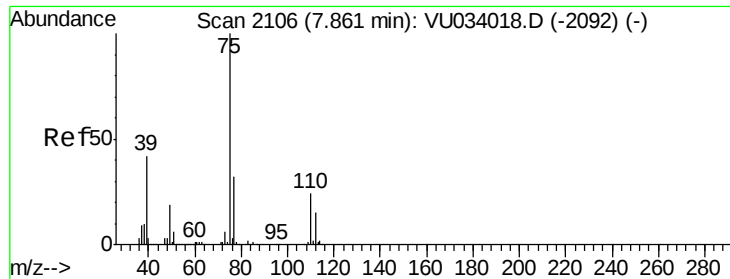
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.788 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 398196

Ion Ratio Lower Upper

75 100

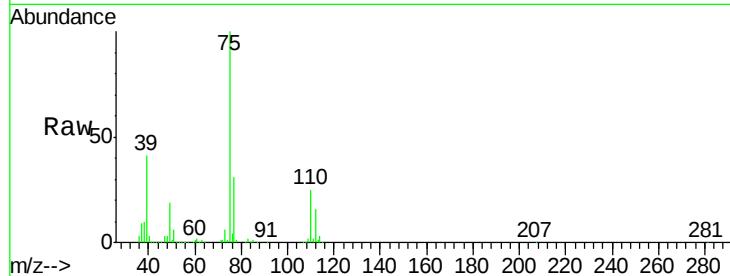
77 31.3 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

250000

200000

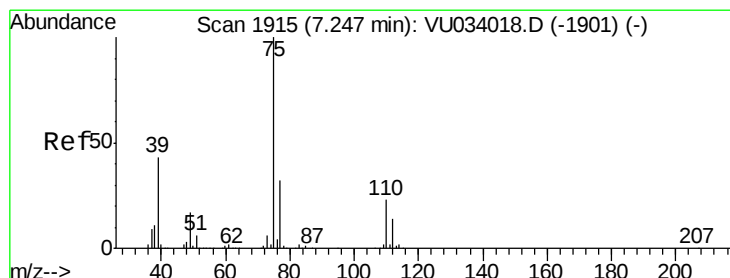
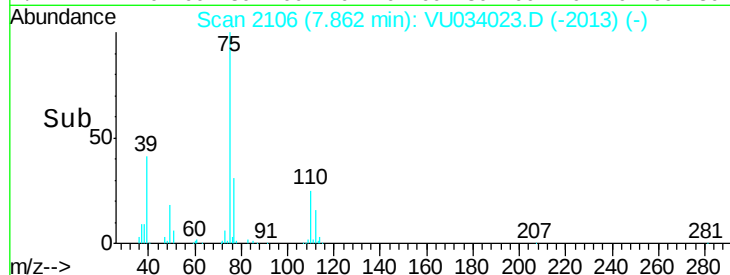
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.784 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

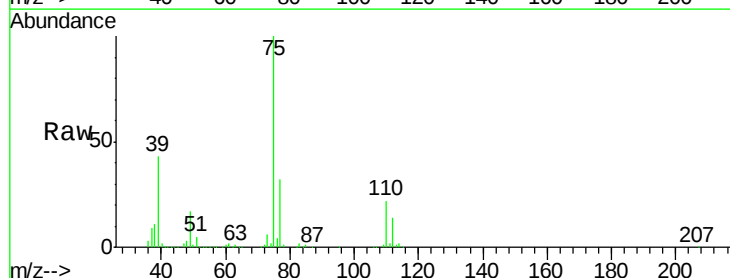
Tgt Ion: 75 Resp: 434993

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 43.1 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.25

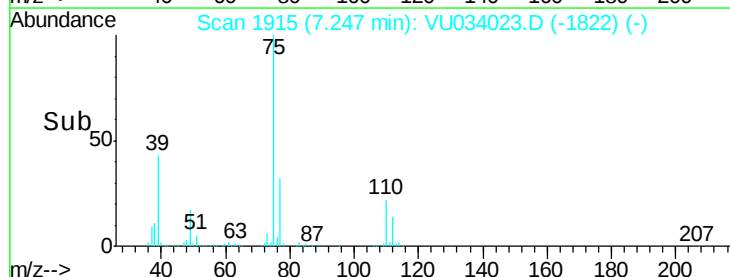
300000

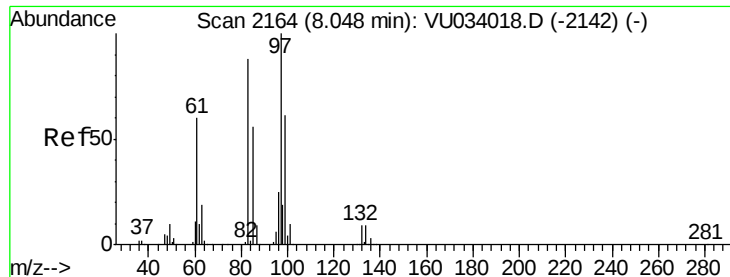
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.364 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

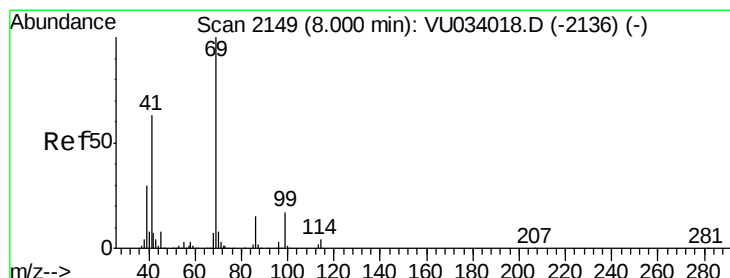
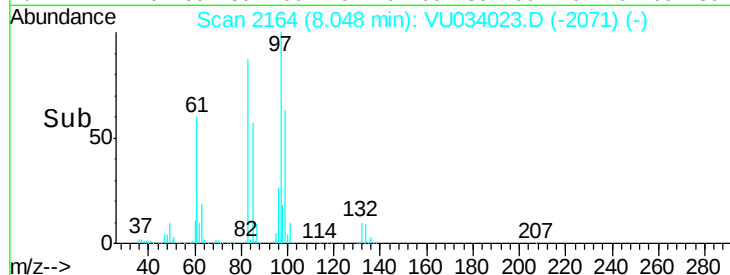
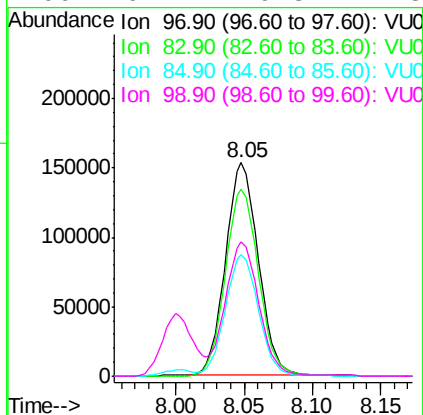
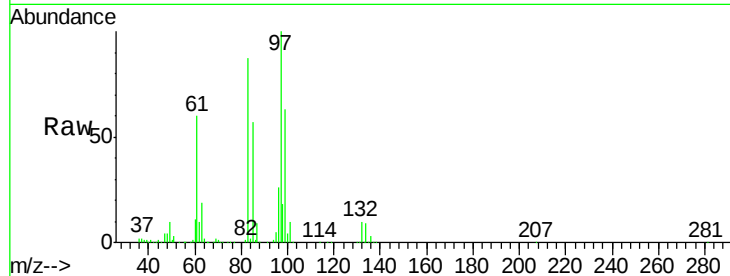
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	256634
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.1	105.1
85	56.8	45.0	67.4
99	62.7	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.297 ug/l

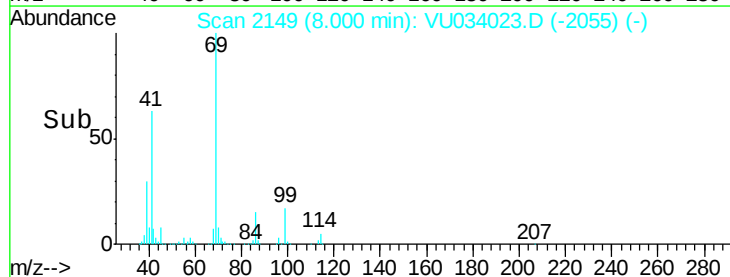
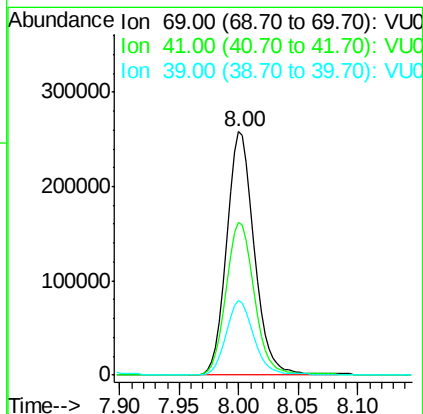
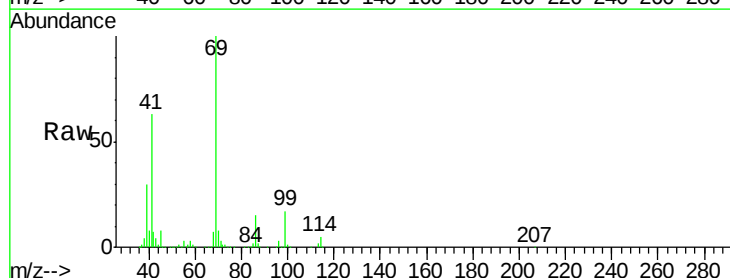
RT: 8.00 min Scan# 2149

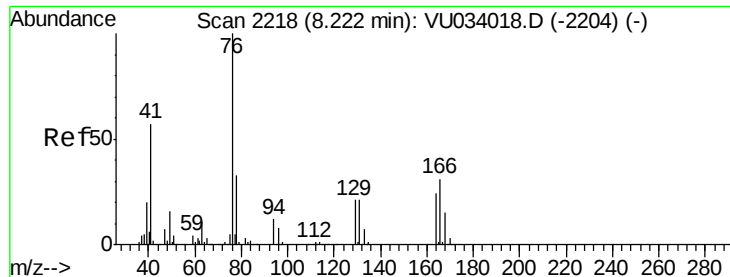
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:	69	Resp:	415823
Ion	Ratio	Lower	Upper
69	100		
41	64.7	50.7	76.1
39	30.4	24.2	36.2





#57

1,3-Dichloropropane

Concen: 49.203 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 443313

Ion Ratio Lower Upper

76 100

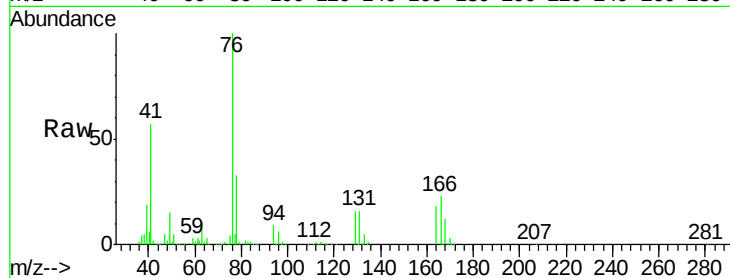
78 32.3 26.2 39.4

Manual Integrations

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MMDadoda

8/29/2019 8:48:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VU034023.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034023.D (-2125) (-)

8.22

250000

200000

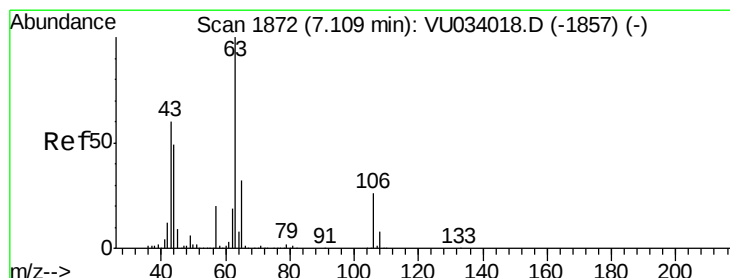
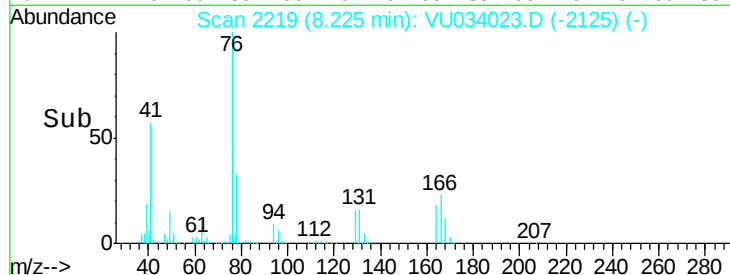
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.786 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034023.D

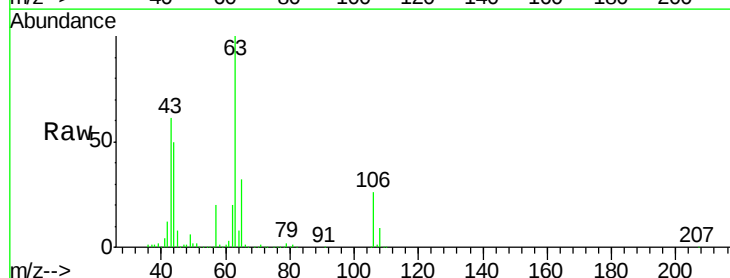
Acq: 28 Aug 2019 14:52

Tgt Ion: 63 Resp: 753820

Ion Ratio Lower Upper

63 100

106 26.3 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034023.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034023.D (-1779) (-)

7.11

500000

400000

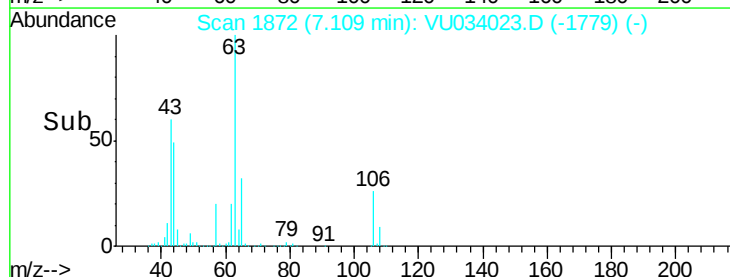
300000

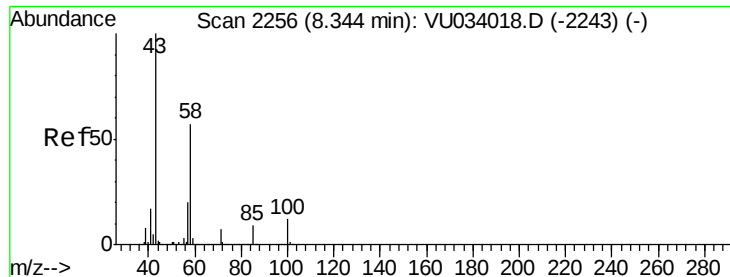
200000

100000

0

Time-->





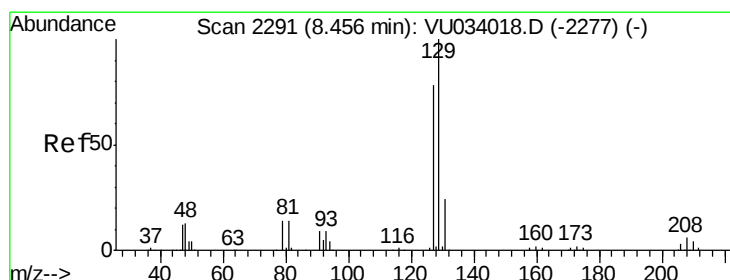
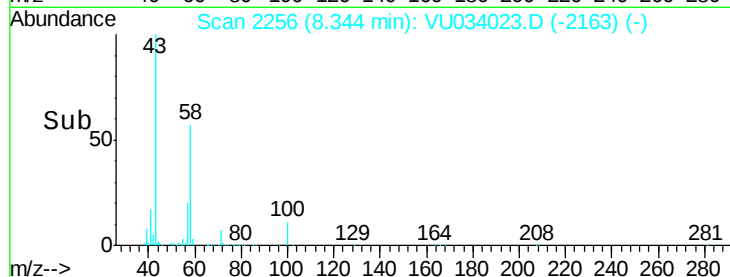
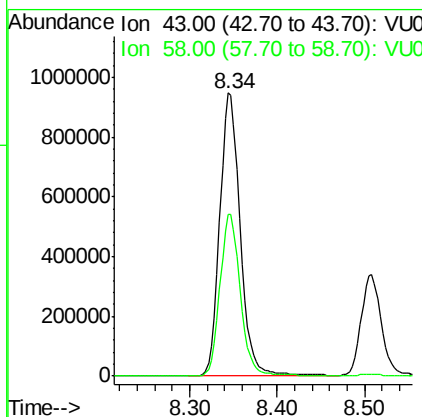
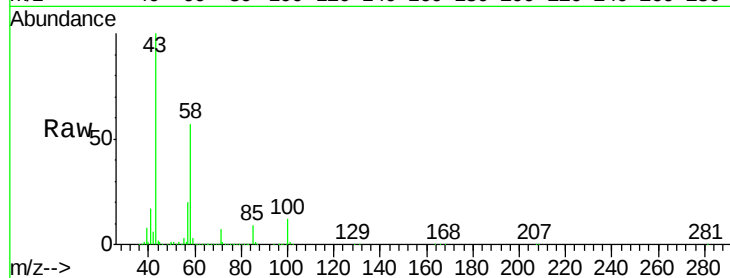
#59
2-Hexanone
Concen: 257.898 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1541751
Ion Ratio Lower Upper
43 100
58 57.1 28.4 85.3

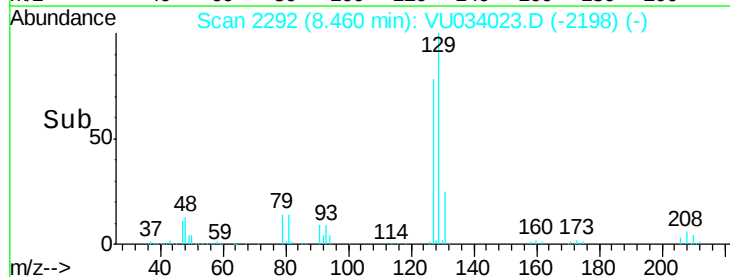
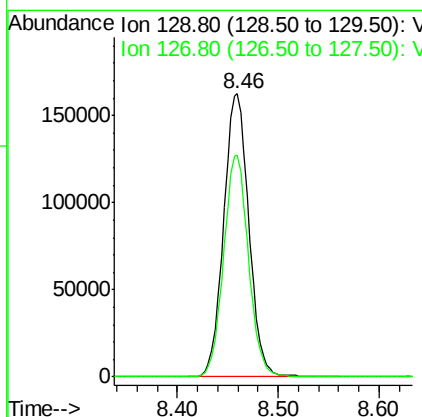
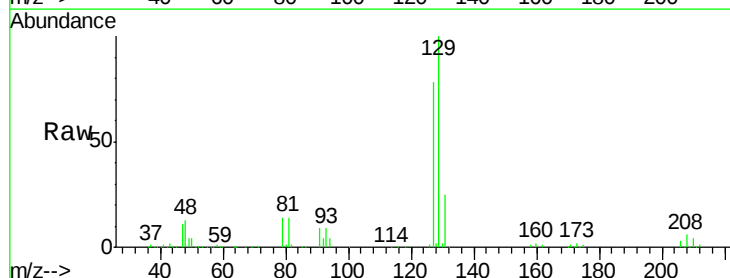
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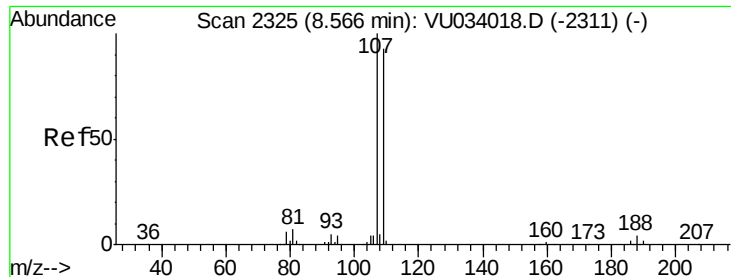
MMDadoda
8/29/2019 8:48:01 AM



#60
Dibromochloromethane
Concen: 49.841 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion: 129 Resp: 283895
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.559 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 271428

Ion Ratio Lower Upper

107 100

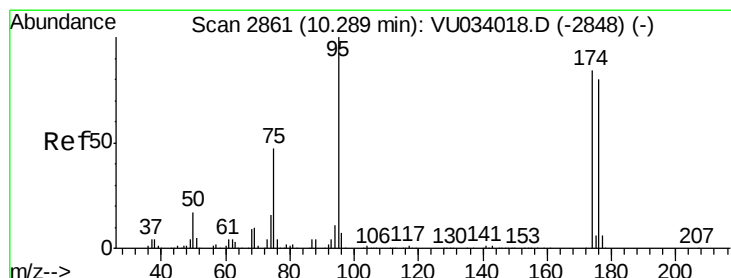
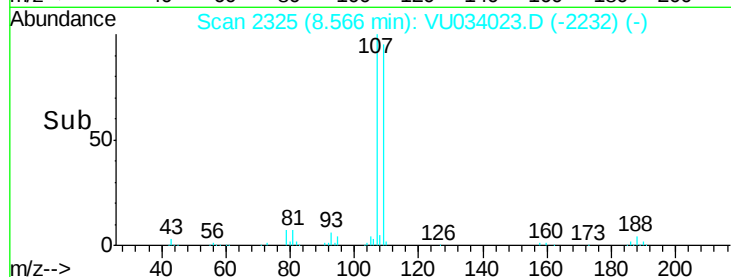
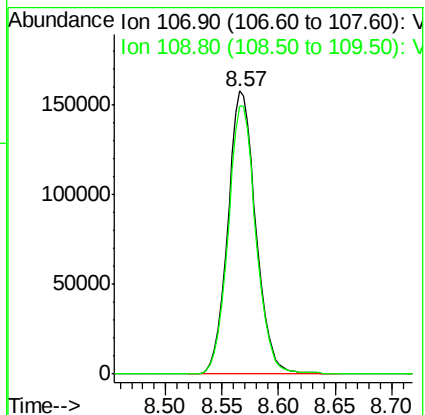
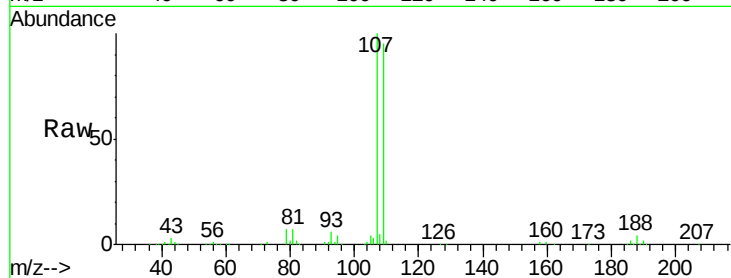
109 94.5 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 48.211 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

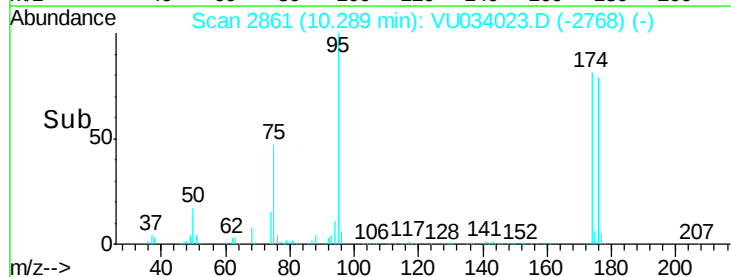
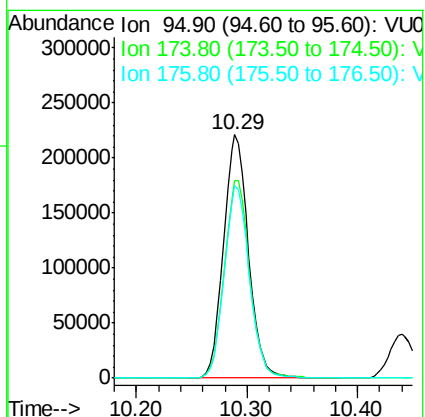
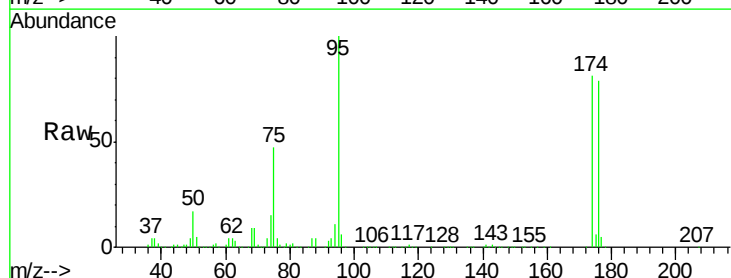
Tgt Ion: 95 Resp: 346578

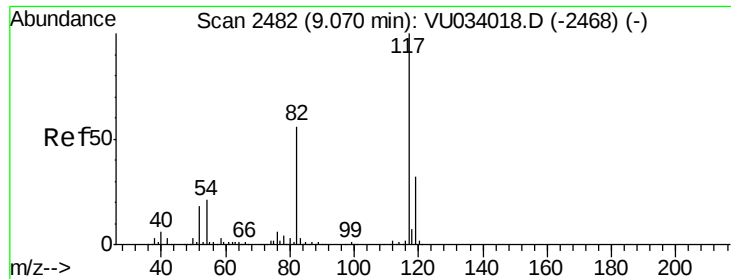
Ion Ratio Lower Upper

95 100

174 82.8 0.0 168.8

176 79.8 0.0 161.8





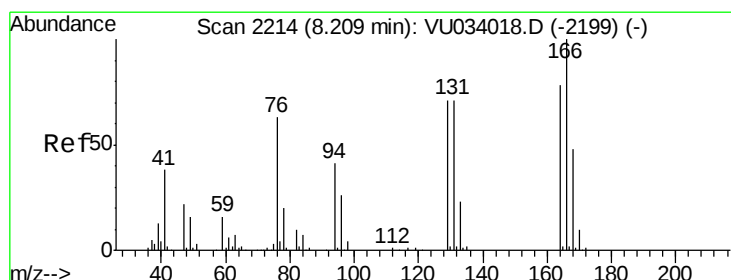
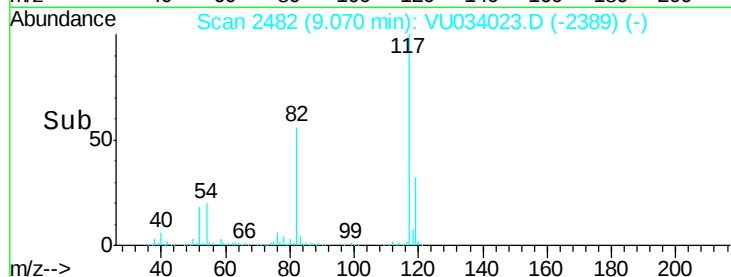
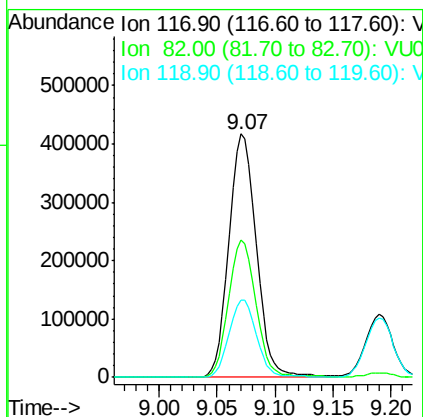
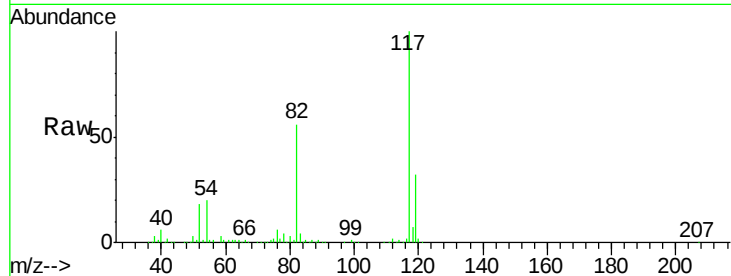
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	684870		
82	56.2	45.1	67.7	
119	31.7	25.4	38.0	

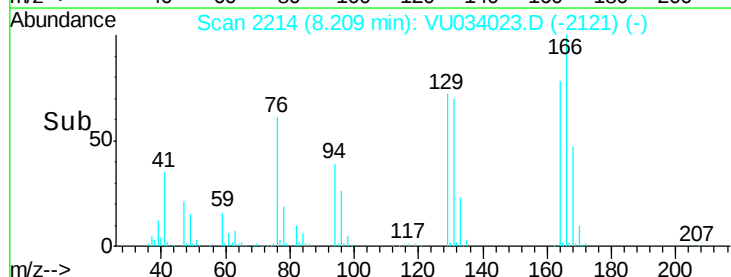
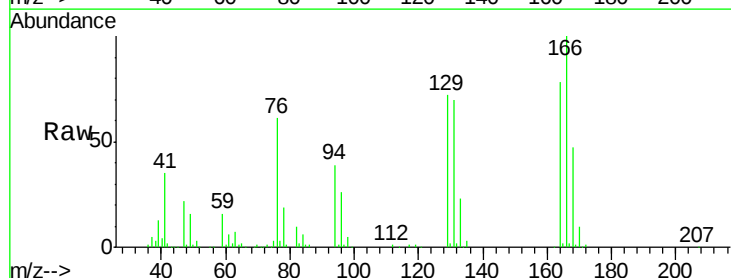
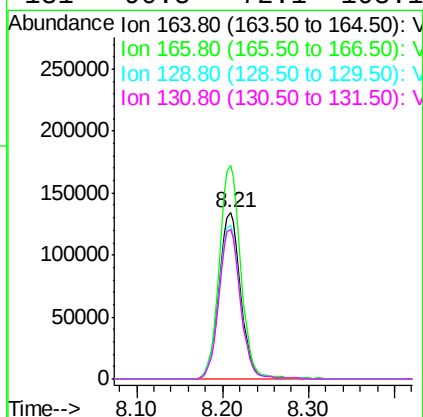
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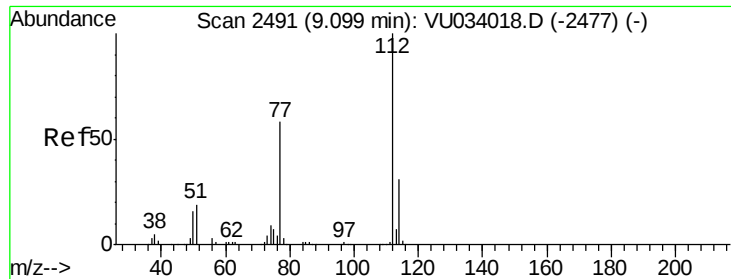
MMDadoda
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#64
Tetrachloroethene
Concen: 50.970 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234431		
166	128.5	102.2	153.2	
129	92.1	72.4	108.6	
131	90.5	72.1	108.1	





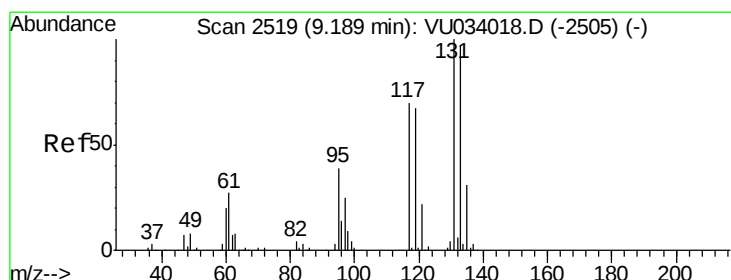
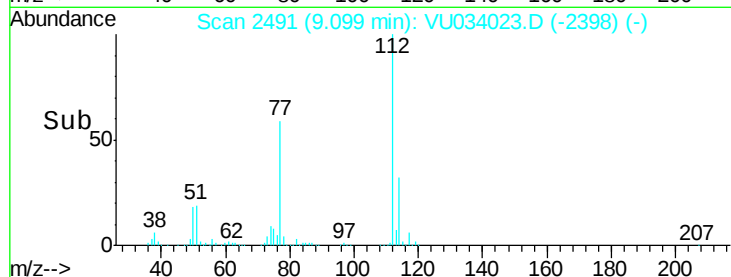
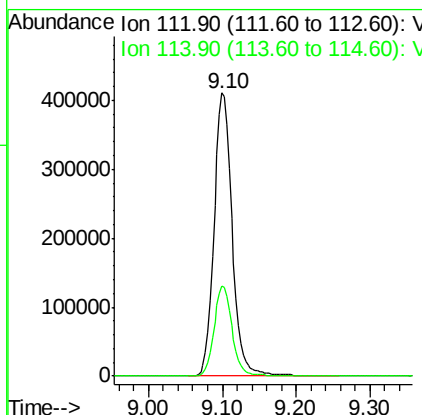
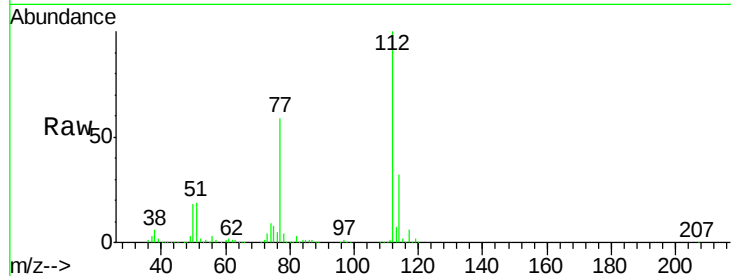
#65
Chlorobenzene
Concen: 49.664 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	699959		
114	31.7	25.0	37.4	

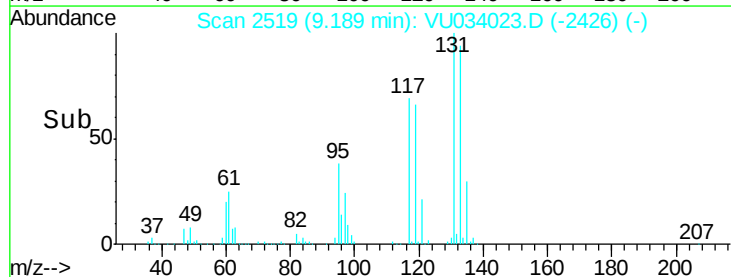
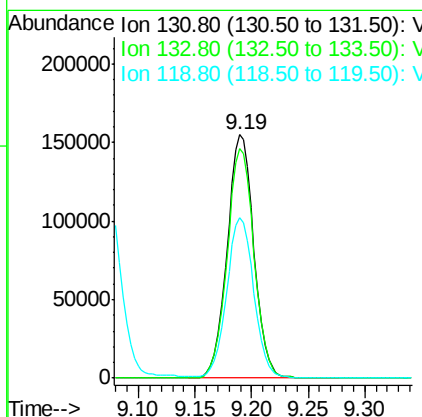
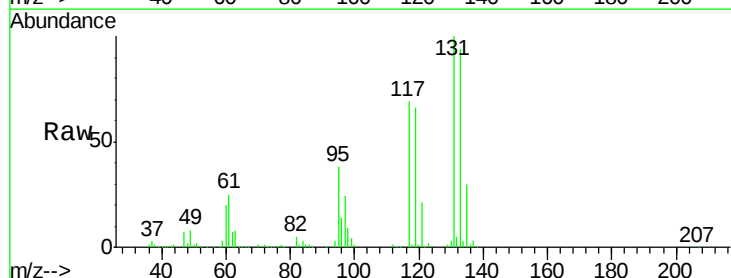
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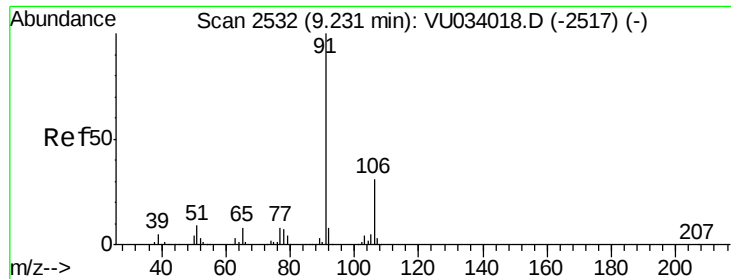
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.665 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	253817		
133	95.5	48.4	145.2	
119	66.8	33.6	100.6	





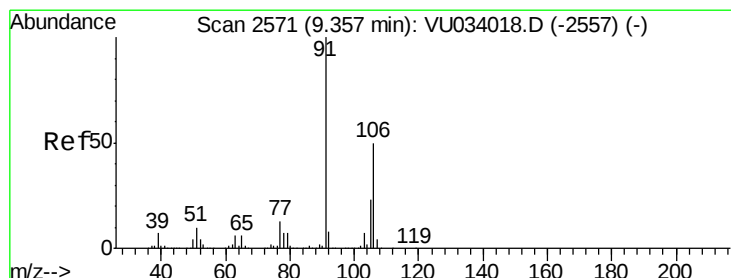
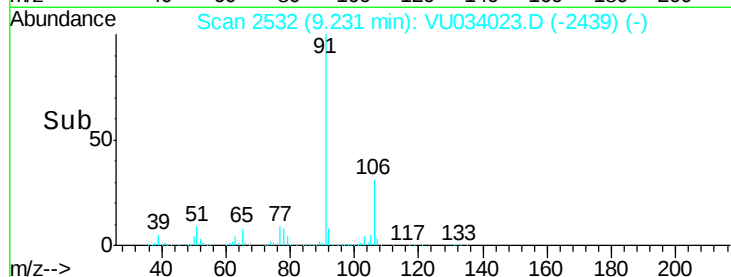
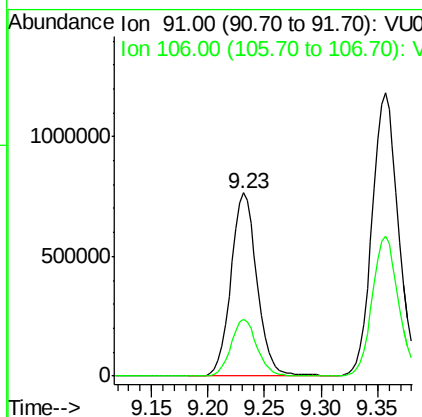
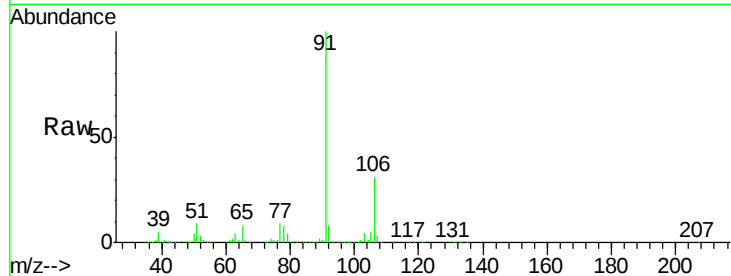
#67
Ethyl Benzene
Concen: 51.480 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1229907
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

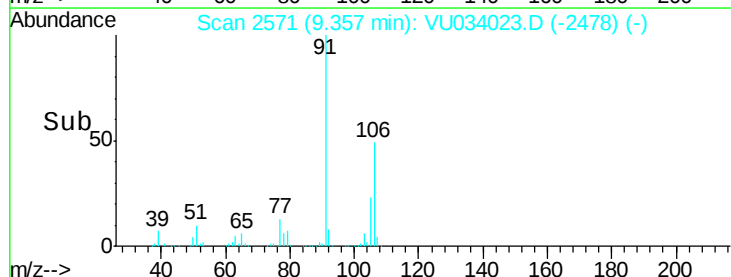
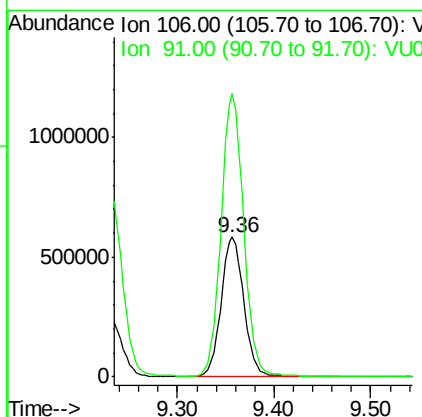
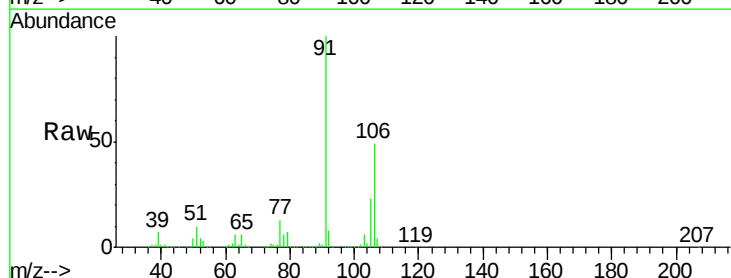
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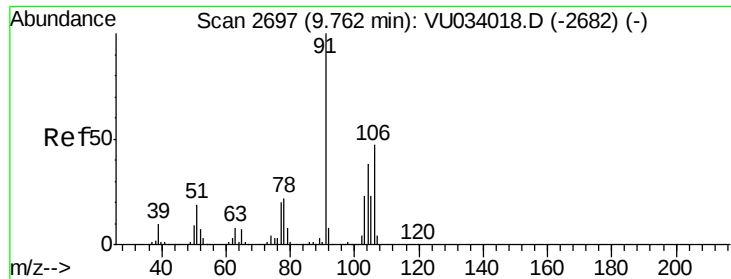
MMDadoda
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#68
m/p-Xylenes
Concen: 104.773 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion: 106 Resp: 951795
Ion Ratio Lower Upper
106 100
91 201.5 161.6 242.4





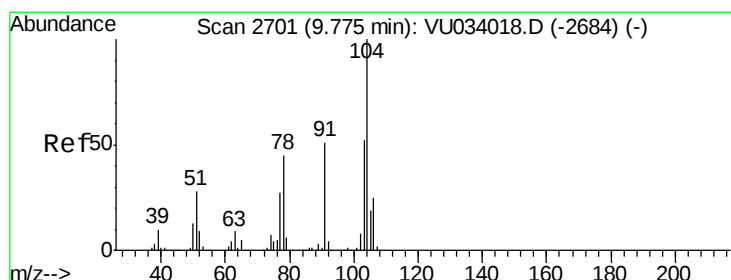
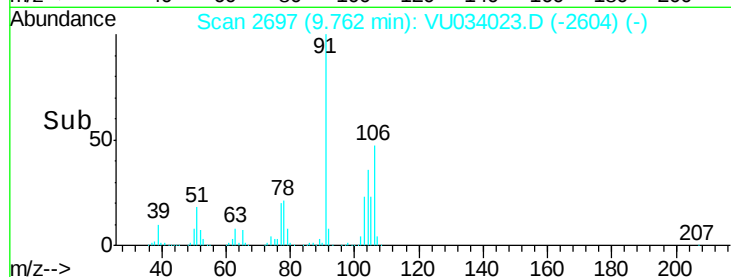
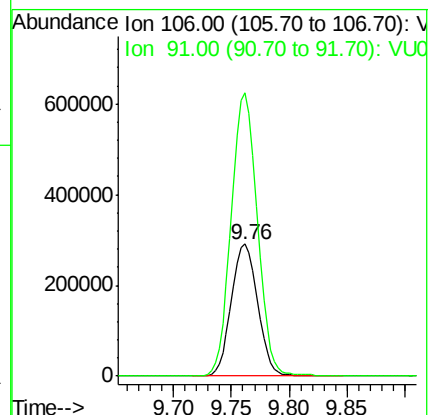
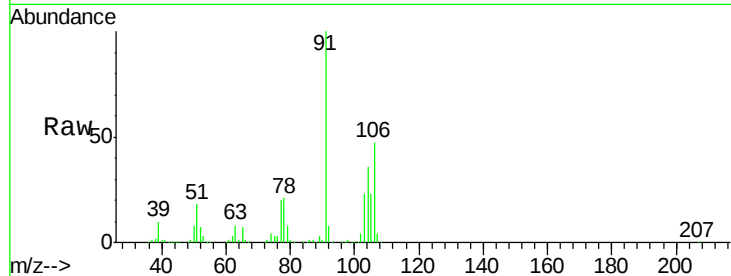
#69
o-Xylene
Concen: 52.597 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	458404		
91	212.3	106.0	318.0	

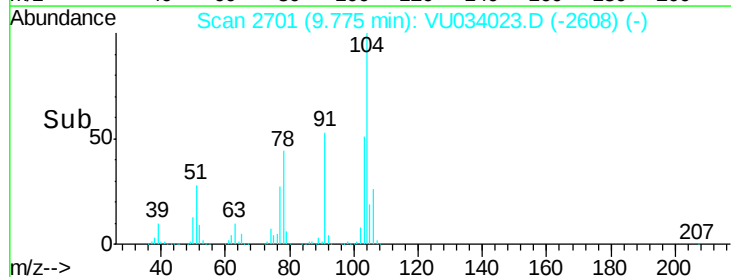
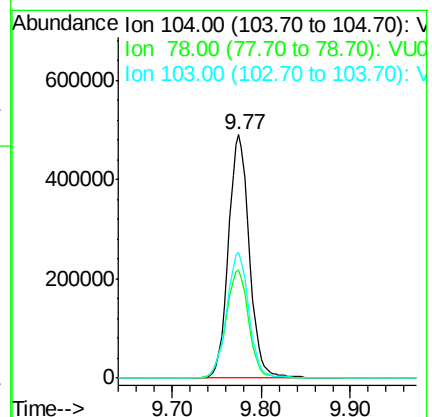
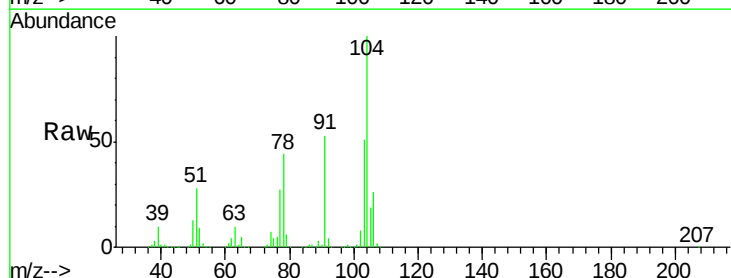
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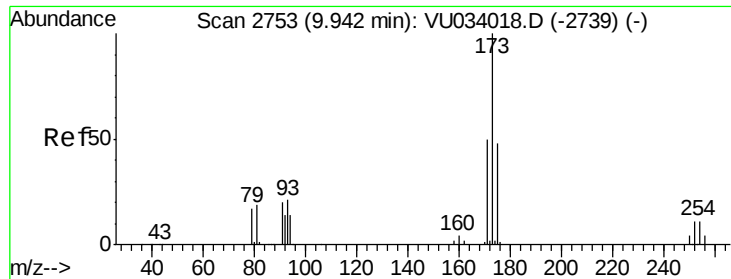
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#70
Styrene
Concen: 53.194 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	794911		
78	48.5	39.0	58.4	
103	55.0	44.0	66.0	





#71

Bromoform

Concen: 49.222 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

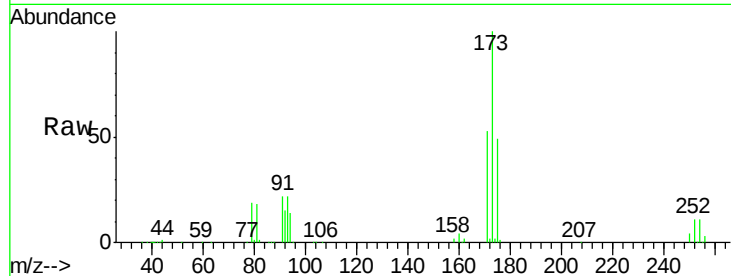
ClientSampleId :

VSTDCCC050

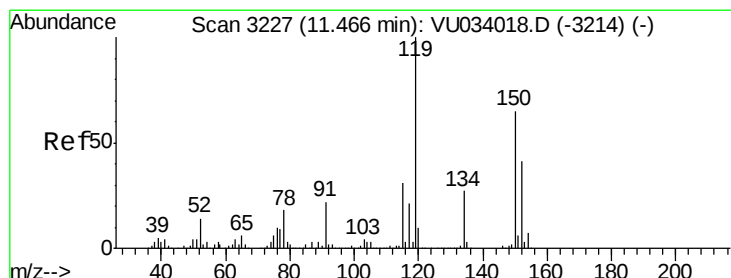
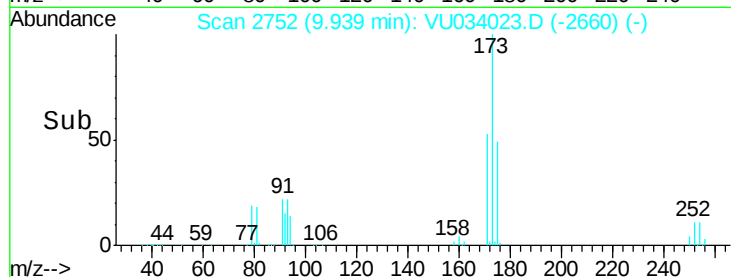
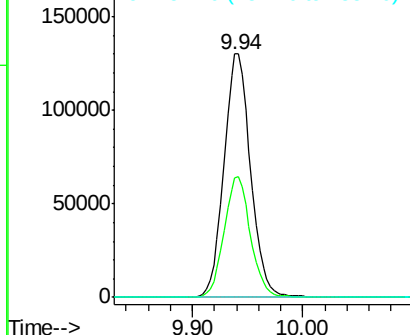
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.6
254	0.1	0.0	0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

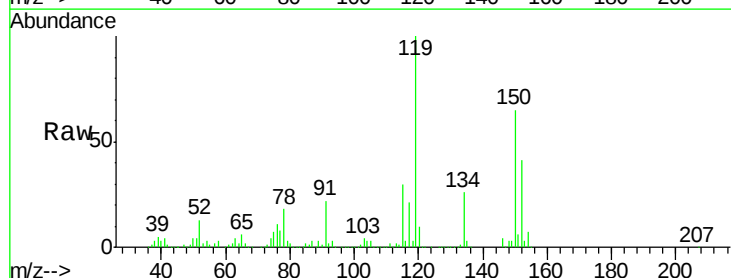
RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

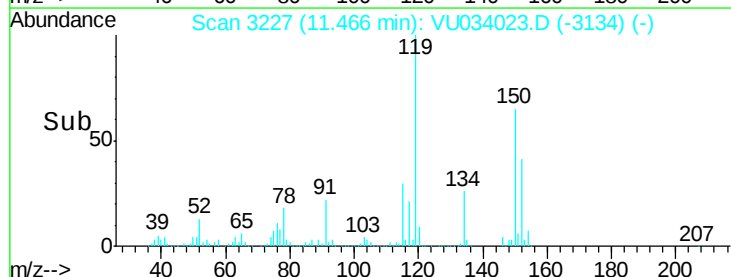
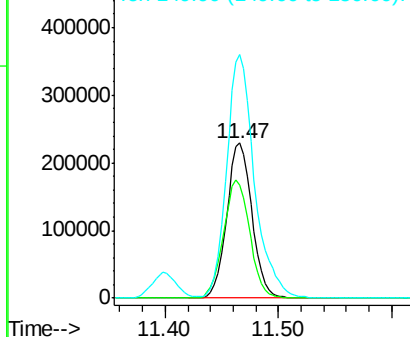
Lab File: VU034023.D

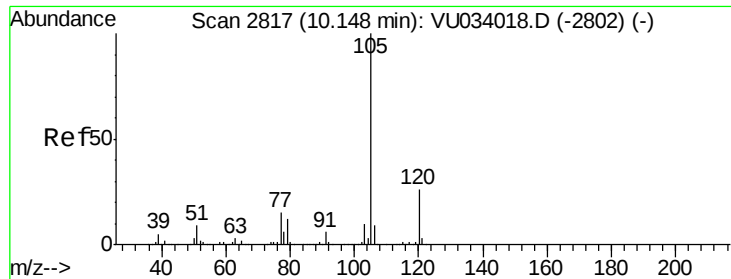
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.3	41.1	123.3
150	173.1	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.237 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1243049

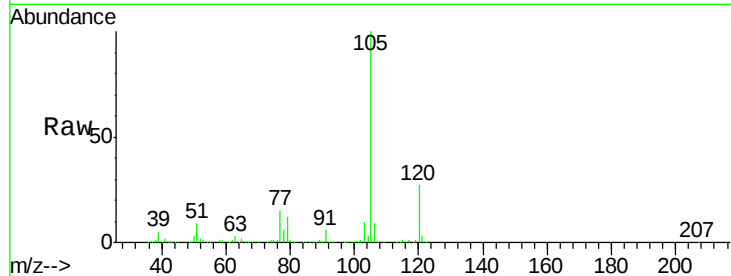
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

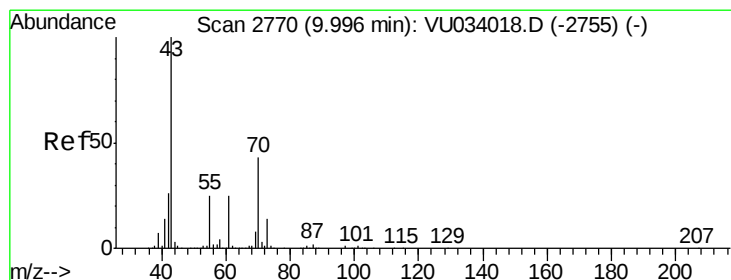
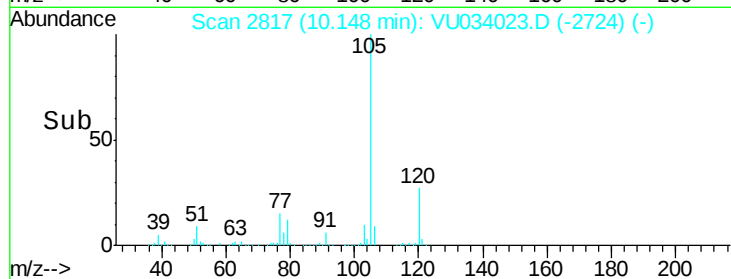
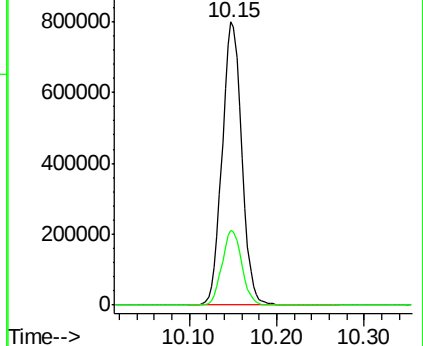
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.559 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion: 43 Resp: 536044

Ion Ratio Lower Upper

43 100

70 44.1 35.2 52.8

55 25.1 20.5 30.7

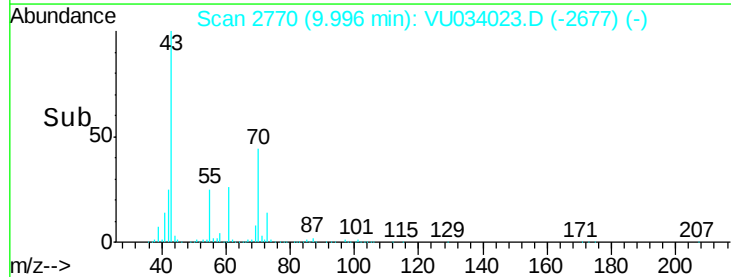
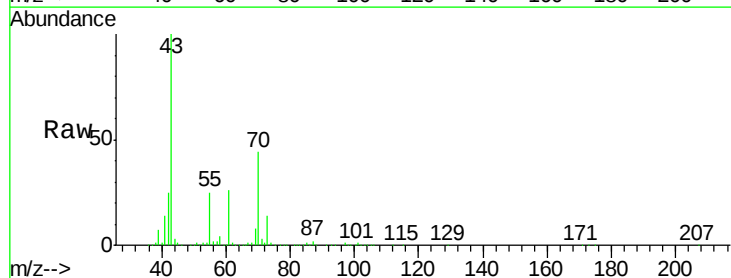
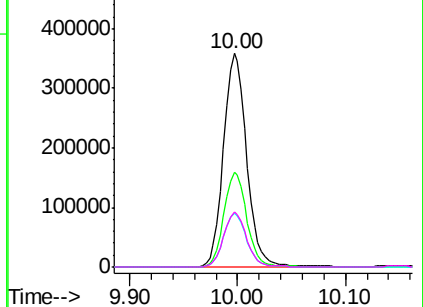
61 25.5 20.0 30.0

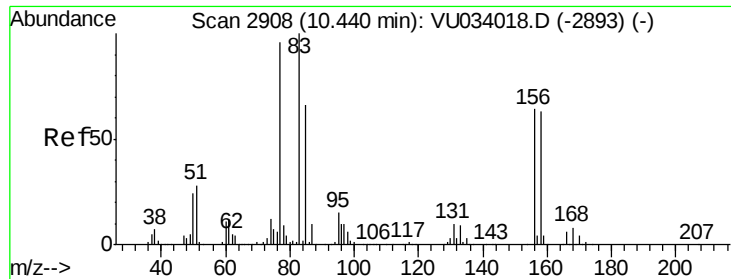
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.433 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 432014
Ion Ratio Lower Upper

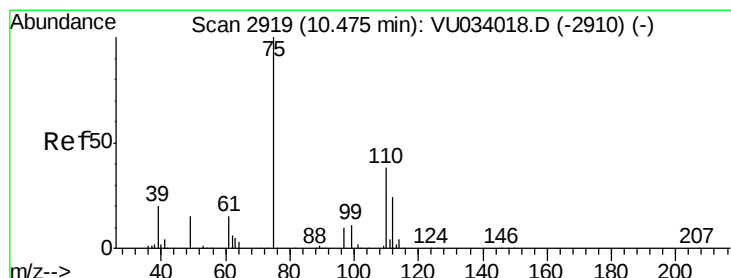
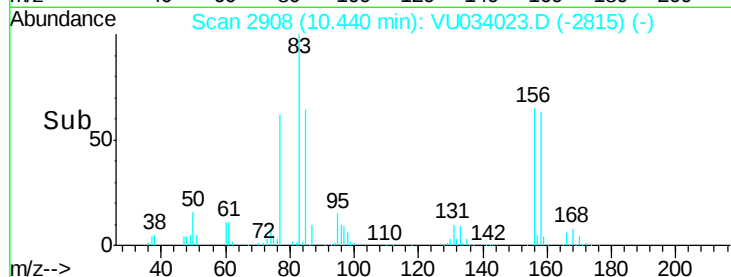
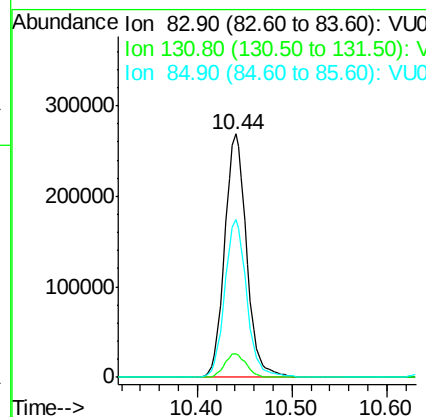
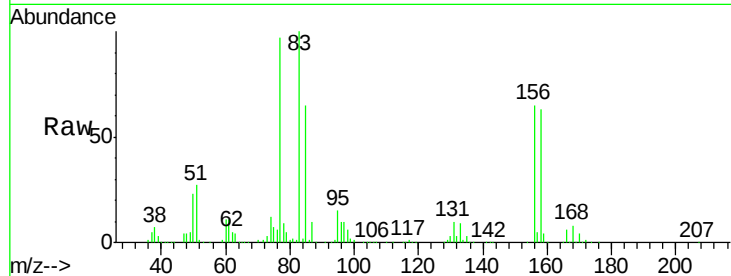
83 100

131 9.6 5.0 14.9

85 65.1 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 46.787 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

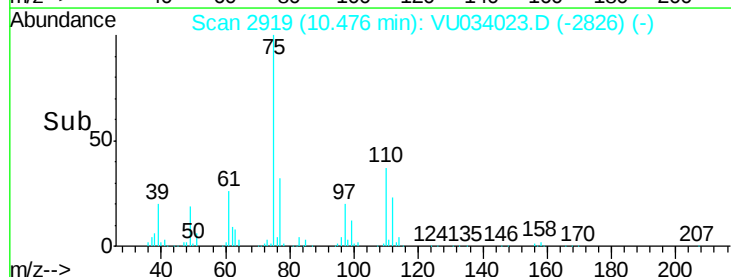
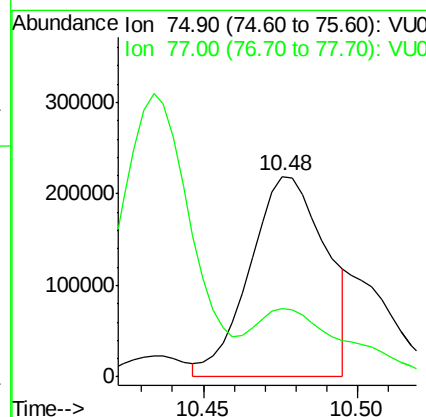
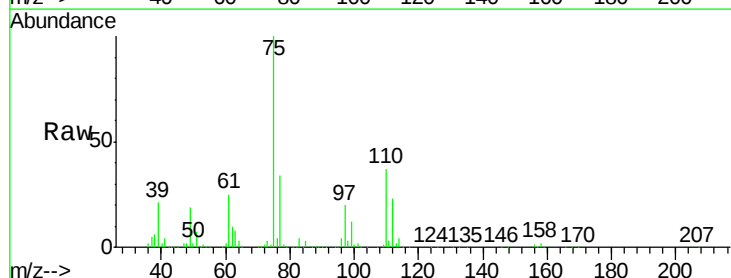
Lab File: VU034023.D

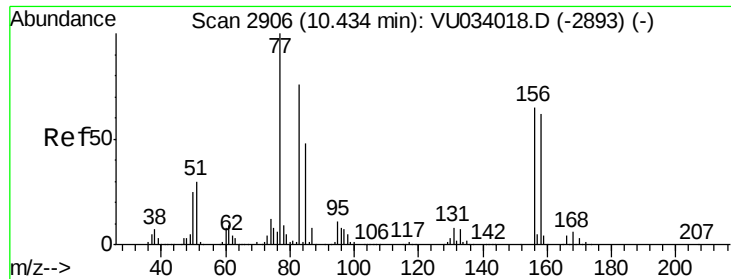
Acq: 28 Aug 2019 14:52

Tgt Ion: 75 Resp: 373576
Ion Ratio Lower Upper

75 100

77 41.2 20.1 60.2





#77

Bromobenzene

Concen: 49.539 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

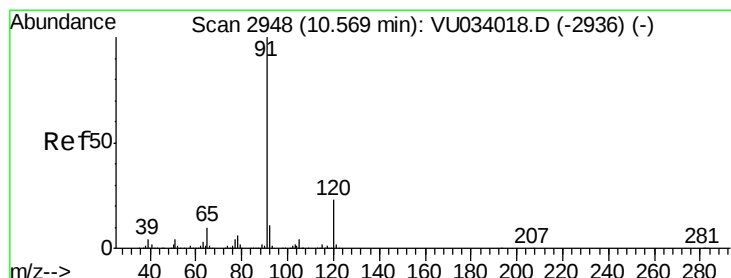
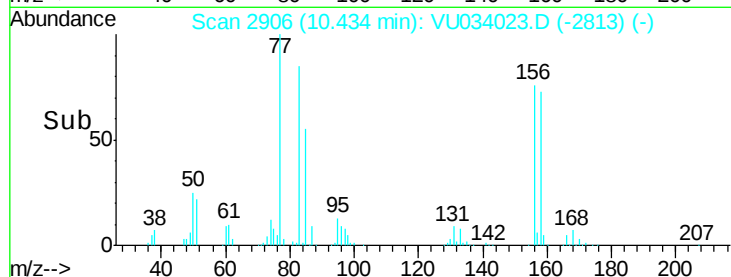
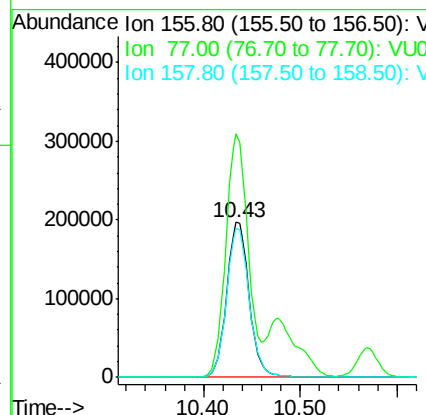
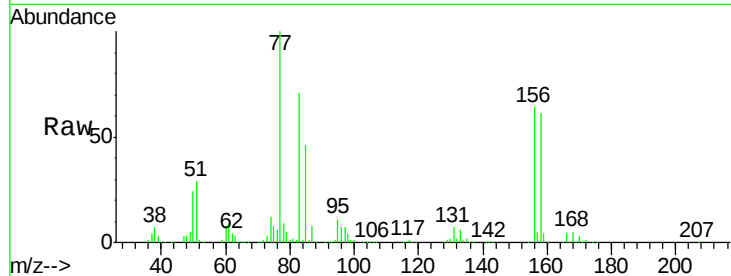
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.5	76.8	230.5
158	97.1	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.648 ug/l

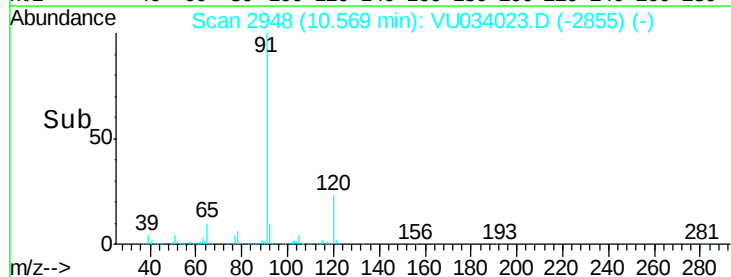
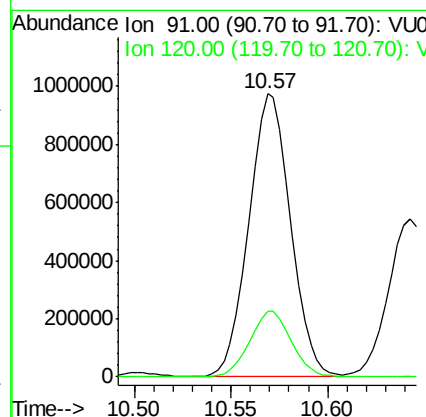
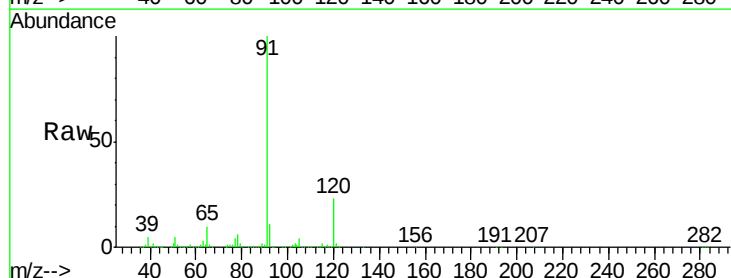
RT: 10.57 min Scan# 2948

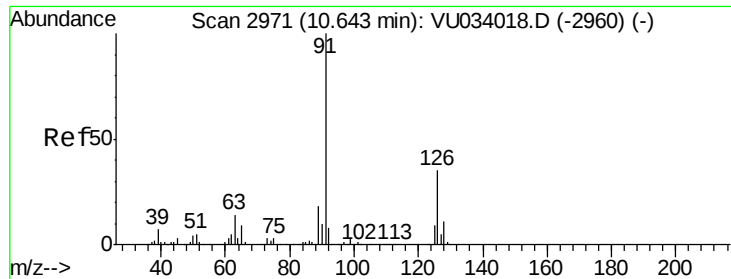
Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.434 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 854953

Ion Ratio Lower Upper

91 100

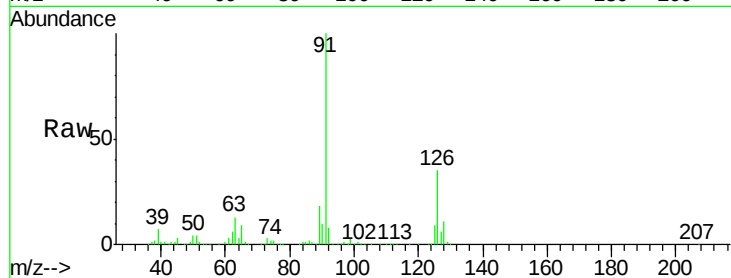
126 34.1 17.1 51.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

1000000

800000

600000

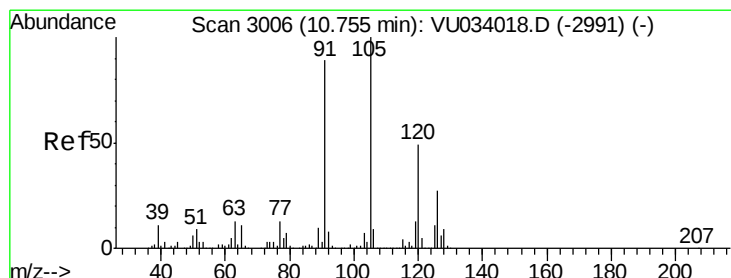
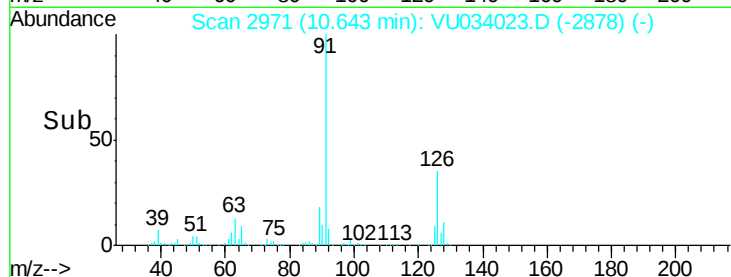
400000

200000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.068 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034023.D

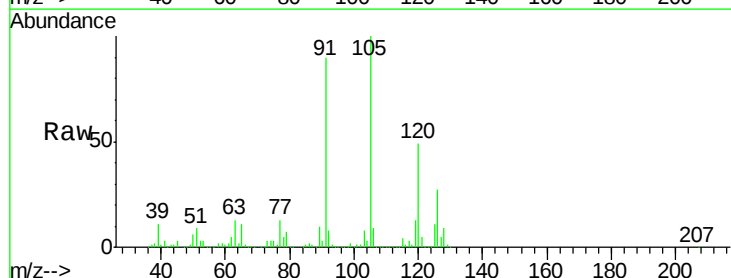
Acq: 28 Aug 2019 14:52

Tgt Ion:105 Resp: 1070318

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

800000

600000

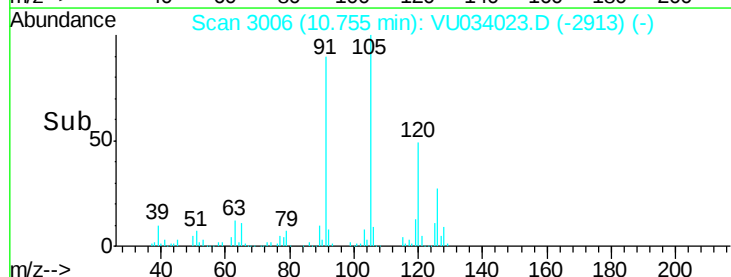
400000

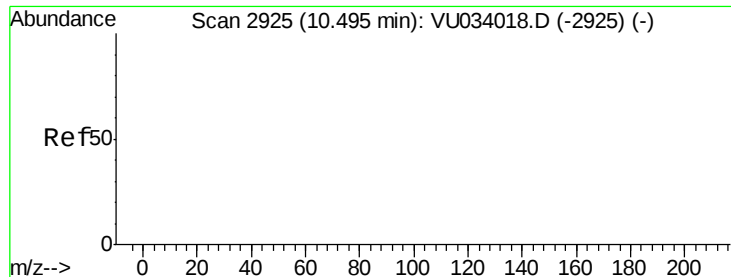
200000

0

10.70 10.80 10.90

Time-->





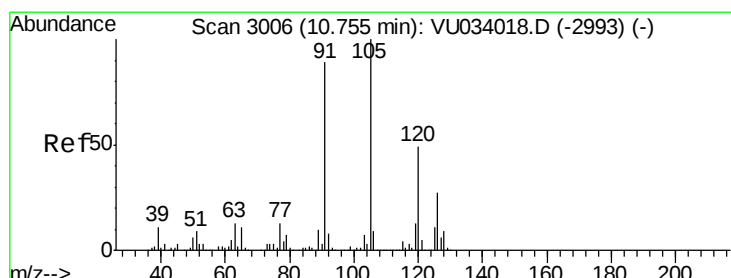
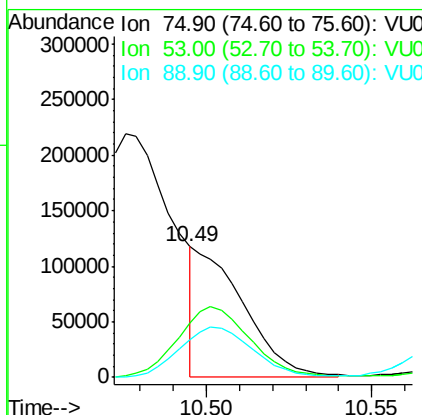
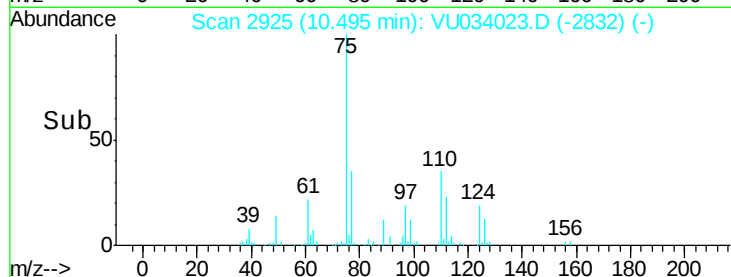
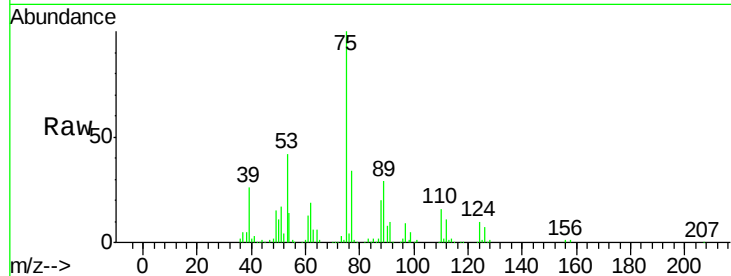
#81
trans-1,4-Dichloro-2-butene
Concen: 49.956 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

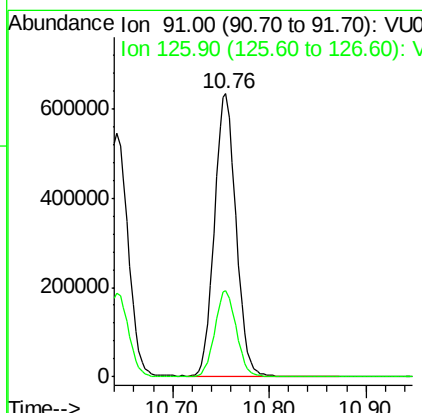
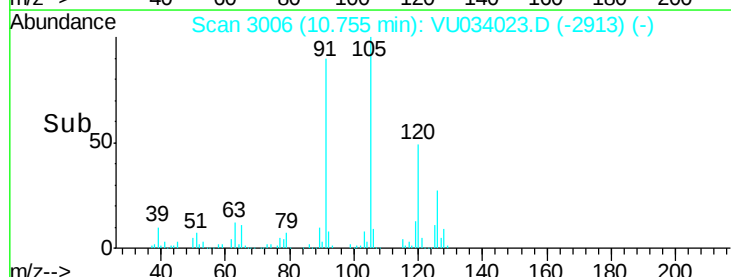
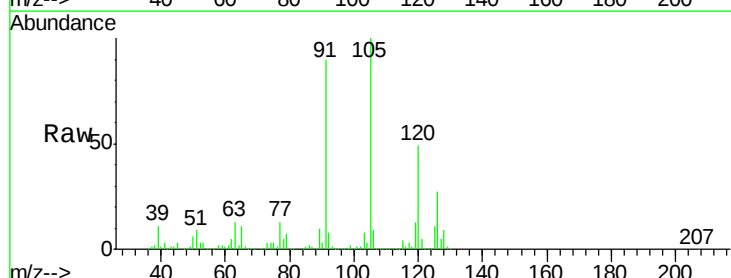
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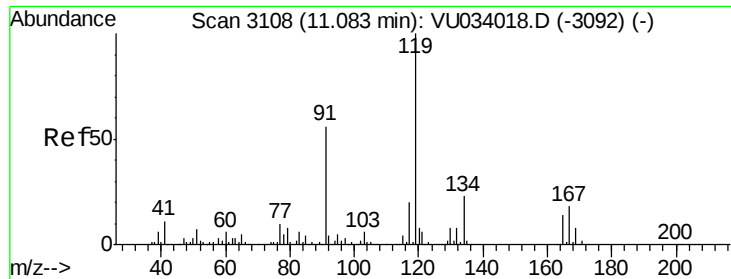
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.417 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	30.3	15.0	45.1





#83

tert-Butylbenzene

Concen: 51.932 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1031095

Ion Ratio Lower Upper

119 100

91 56.2 27.9 83.6

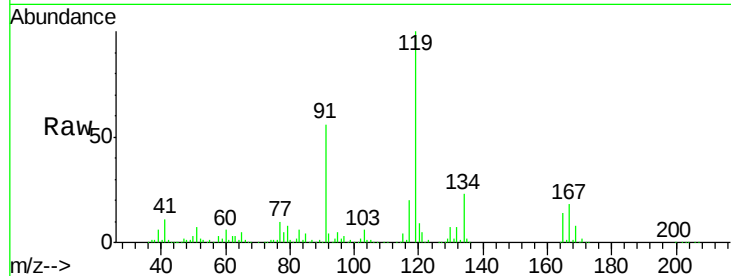
134 22.7 11.4 34.2

Manual Integrations

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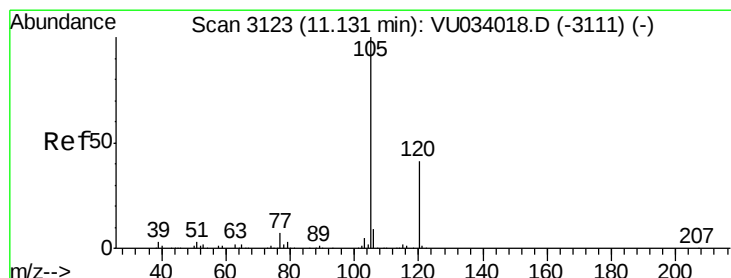
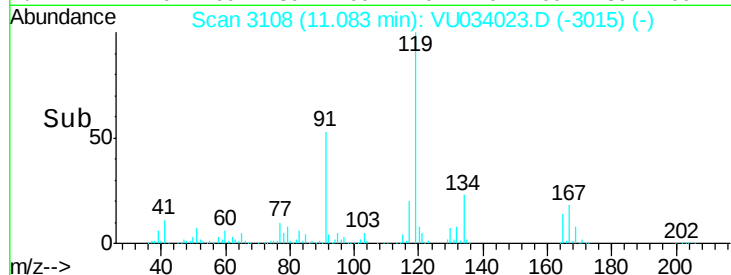
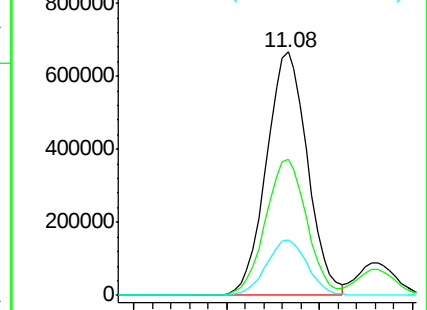
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.216 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU034023.D

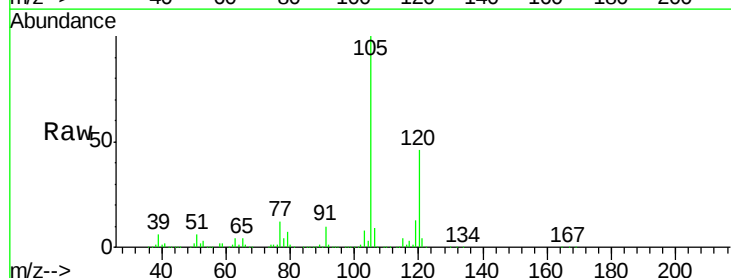
Acq: 28 Aug 2019 14:52

Tgt Ion:105 Resp: 1065763

Ion Ratio Lower Upper

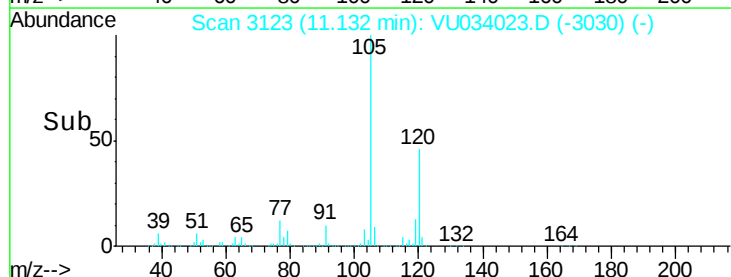
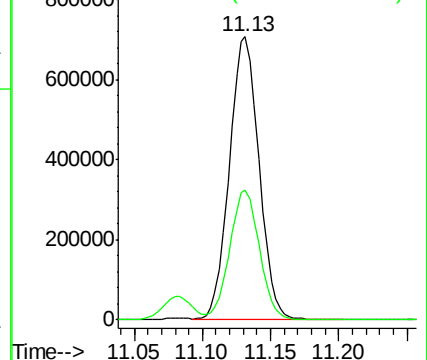
105 100

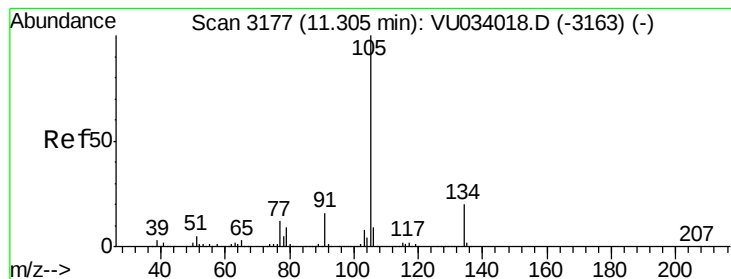
120 46.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.597 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1251622

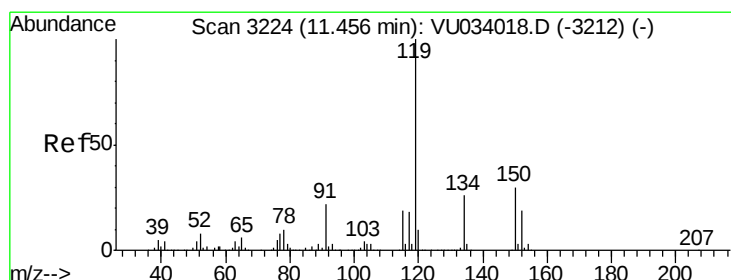
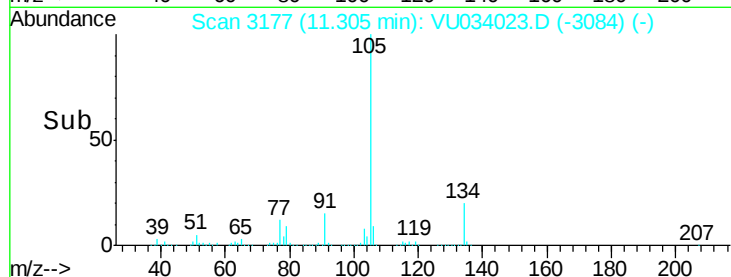
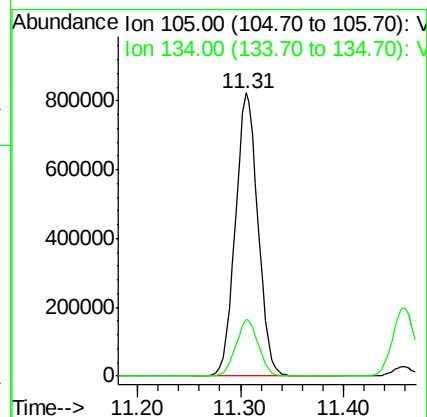
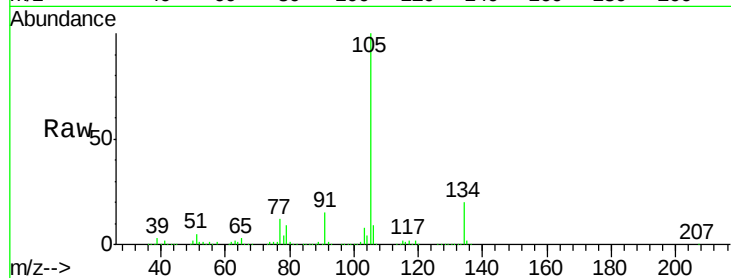
Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 53.705 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

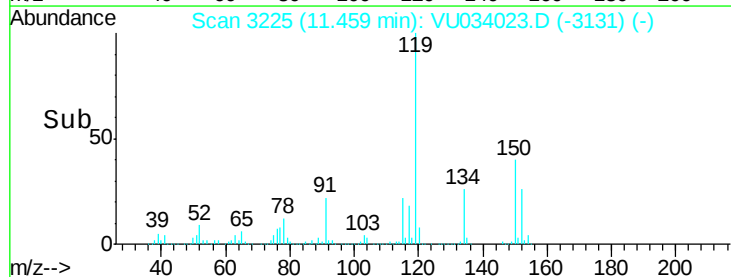
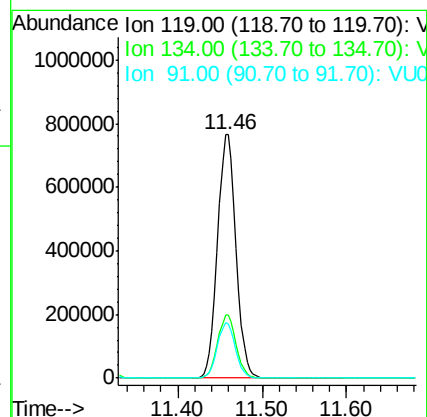
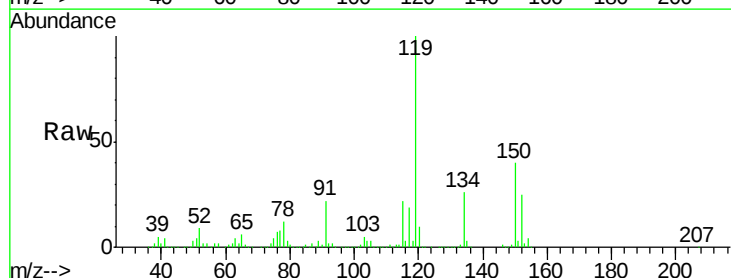
Tgt Ion:119 Resp: 1155858

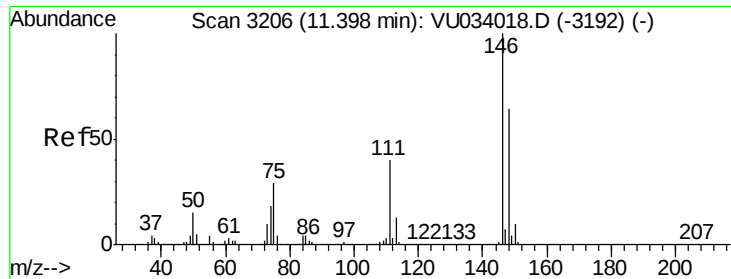
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 22.4 11.2 33.6





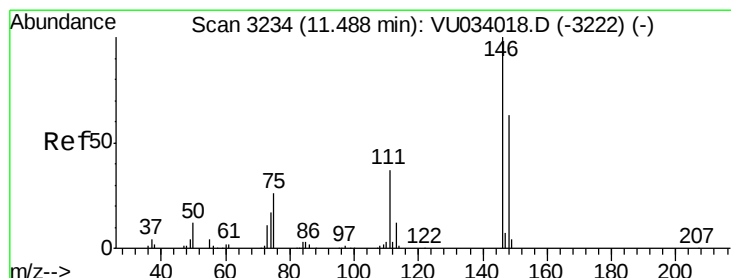
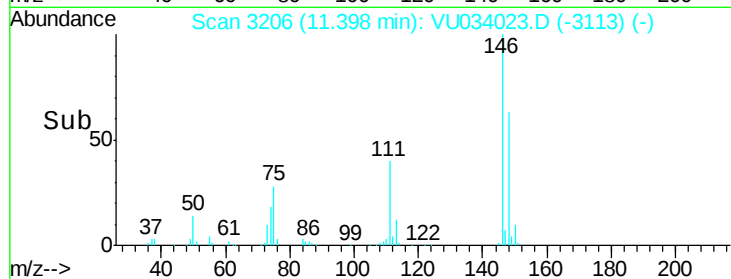
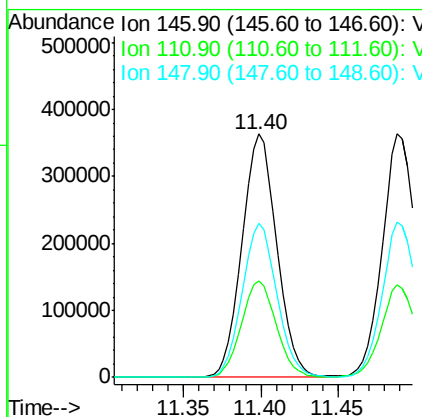
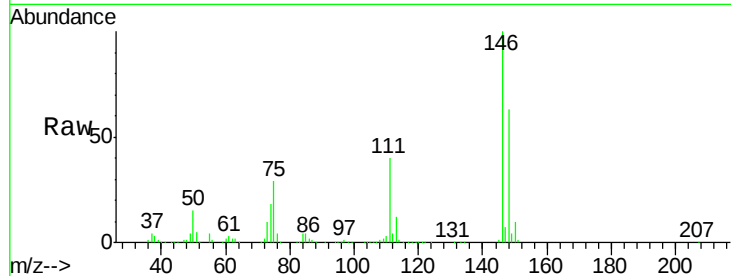
#87
 1,3-Dichlorobenzene
 Concen: 50.315 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	63.1	31.9	95.5

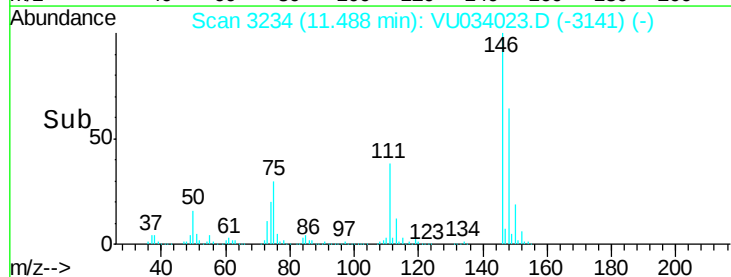
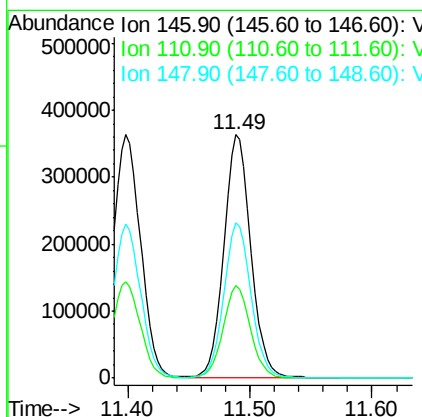
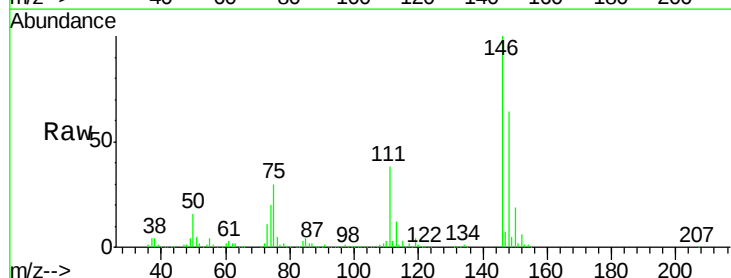
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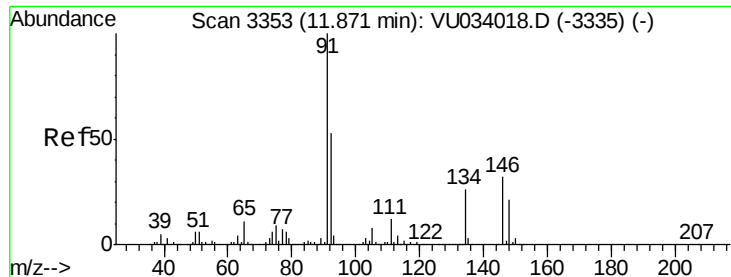
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#88
 1,4-Dichlorobenzene
 Concen: 49.241 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.2	57.6
148	64.2	31.9	95.9





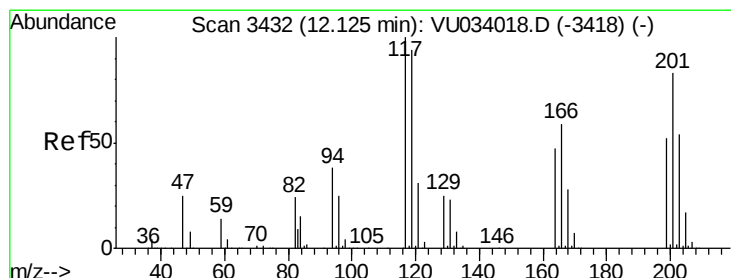
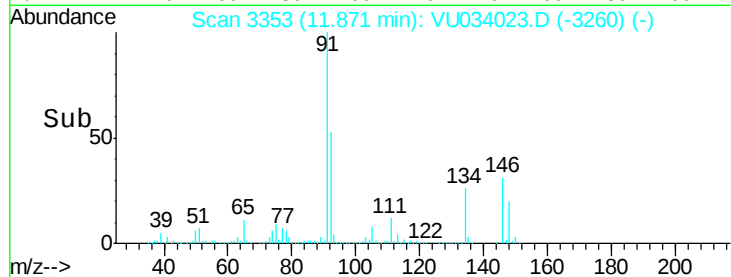
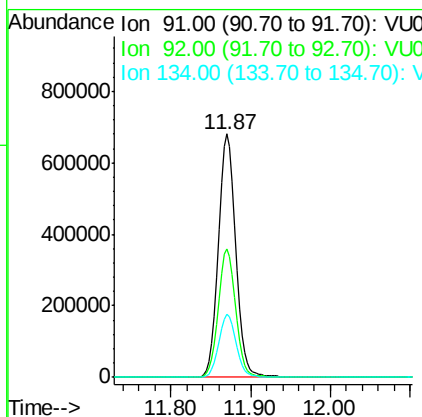
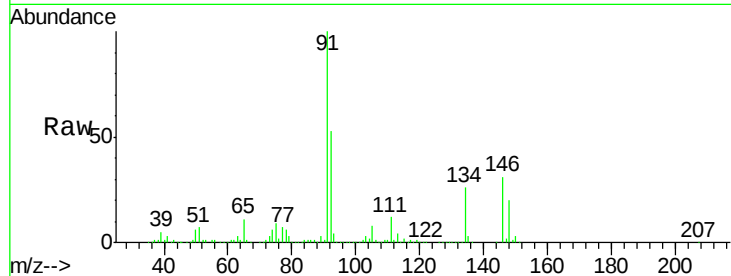
#89
n-Butylbenzene
Concen: 54.406 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1032365
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 26.0 12.9 38.7

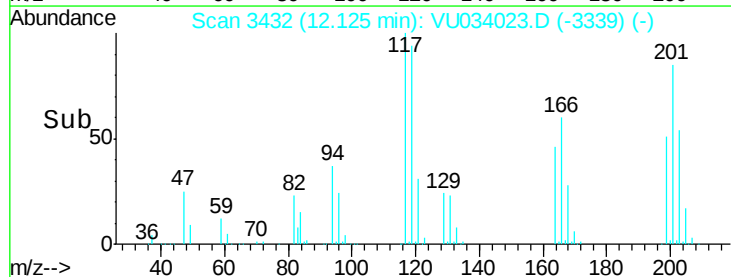
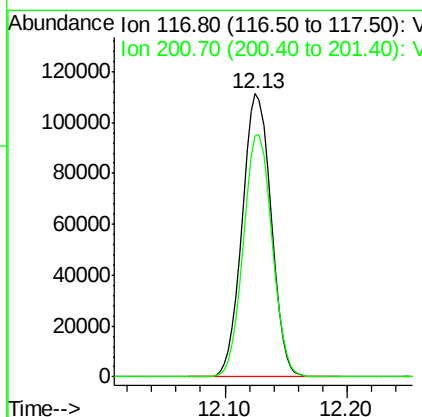
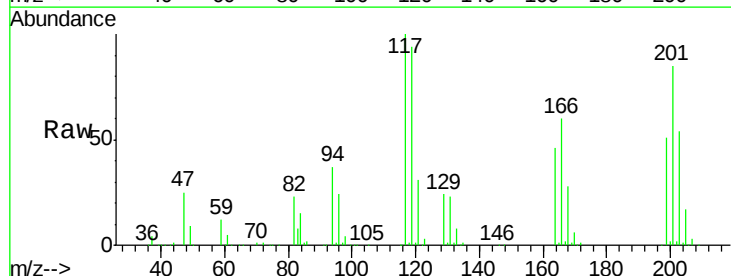
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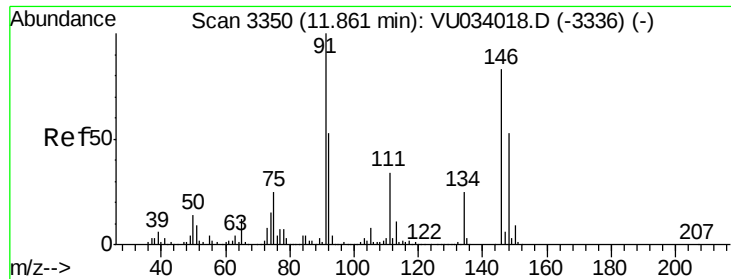
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#90
Hexachloroethane
Concen: 48.780 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034023.D
Acq: 28 Aug 2019 14:52

Tgt Ion: 117 Resp: 181514
Ion Ratio Lower Upper
117 100
201 84.9 42.5 127.6





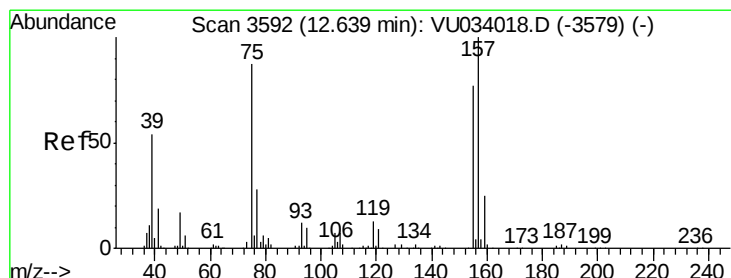
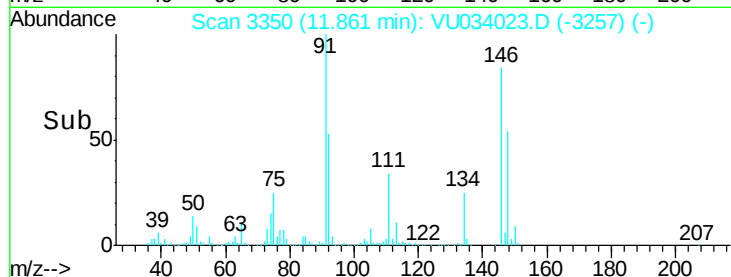
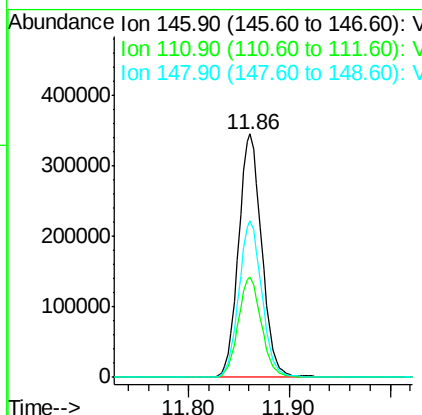
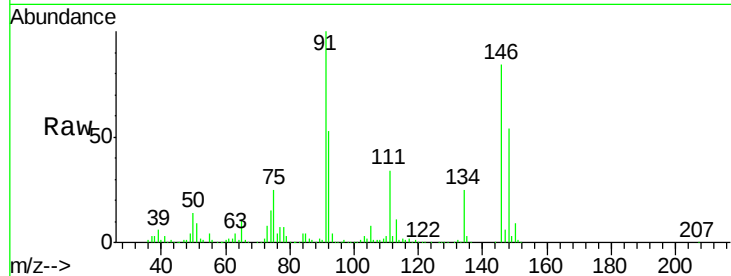
#91
 1,2-Dichlorobenzene
 Concen: 50.548 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	548733		
111	41.3		20.4	61.2
148	63.8		32.3	96.8

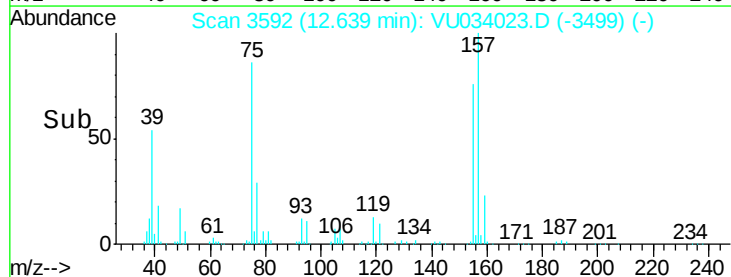
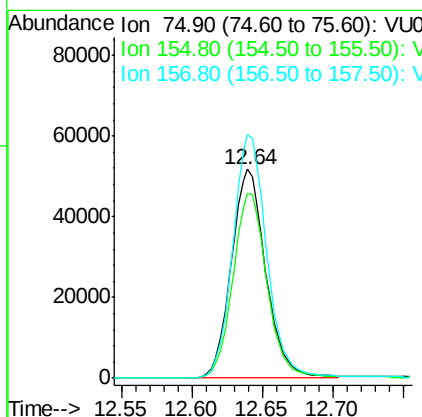
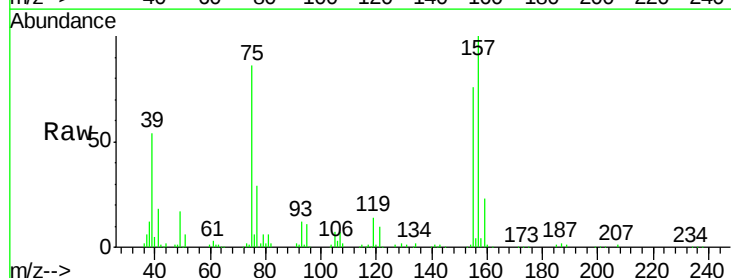
Manual Integrations
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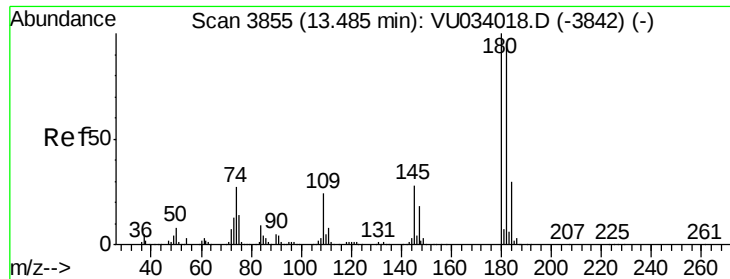
MMDadoda
 8/29/2019 8:48:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.938 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88797		
155	88.5		43.5	130.7
157	114.6		56.9	170.6





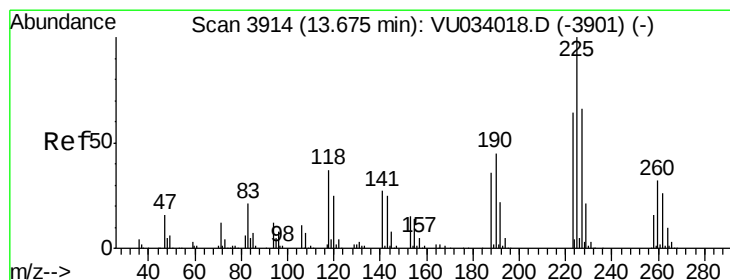
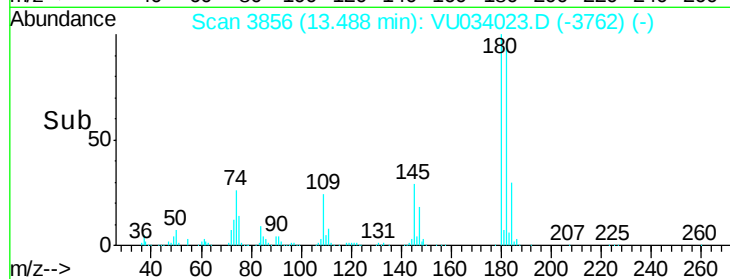
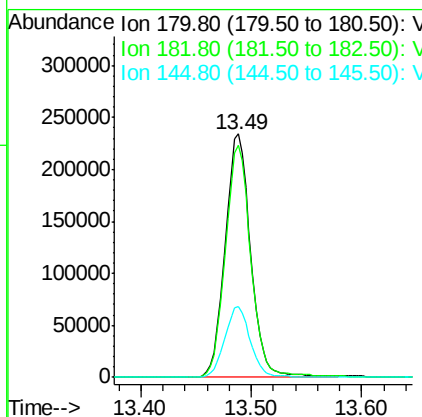
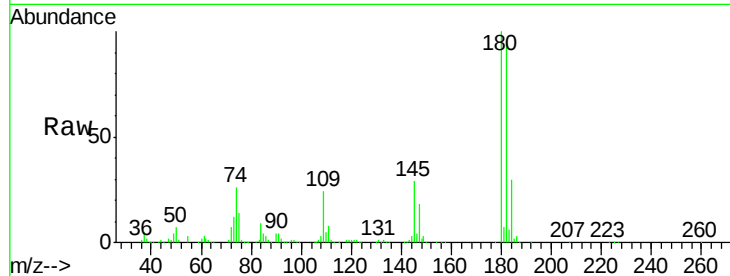
#93
 1,2,4-Trichlorobenzene
 Concen: 48.815 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	376720		
182	95.9	47.4	142.2	
145	29.0	14.1	42.3	

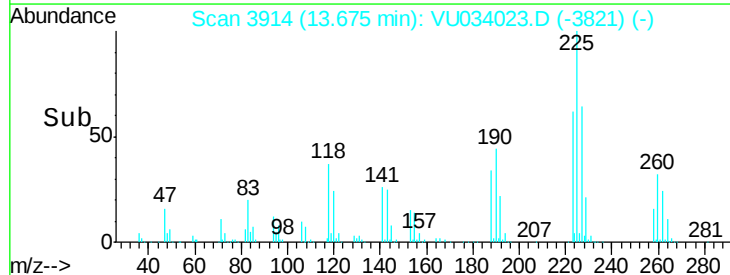
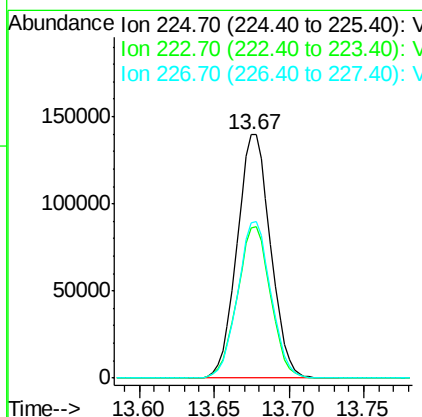
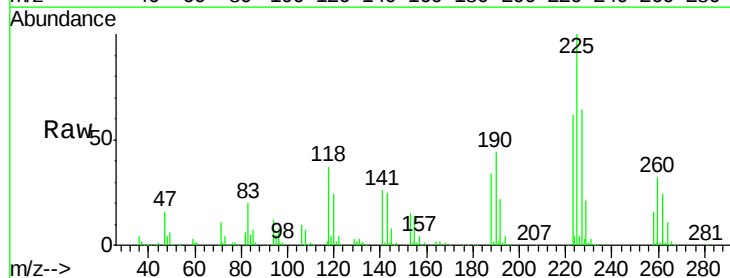
Manual Integrations
 APPROVED

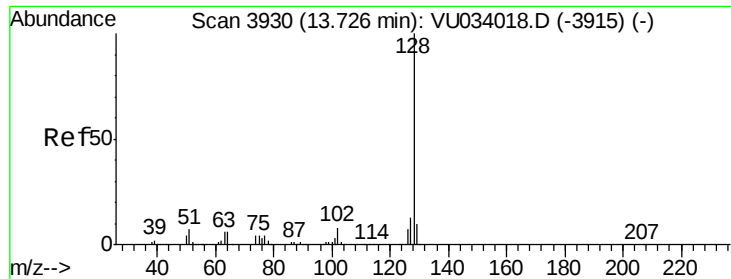
MMDadoda
 8/29/2019 8:48:01 AM



#94
 Hexachlorobutadiene
 Concen: 51.320 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034023.D
 Acq: 28 Aug 2019 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	217939		
223	61.8	31.8	95.3	
227	63.8	32.6	97.8	





#95

Naphthalene

Concen: 47.438 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1046892

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

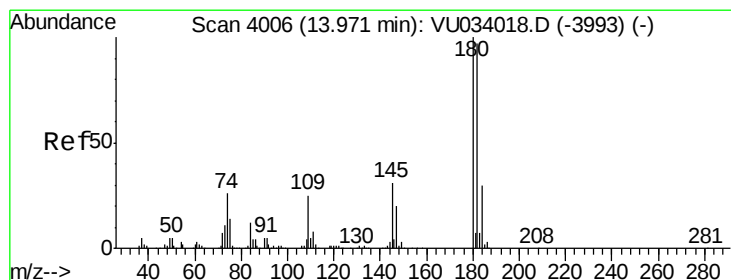
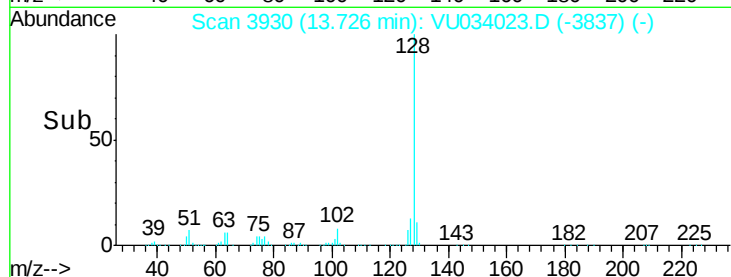
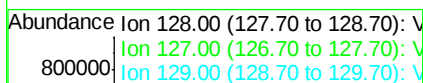
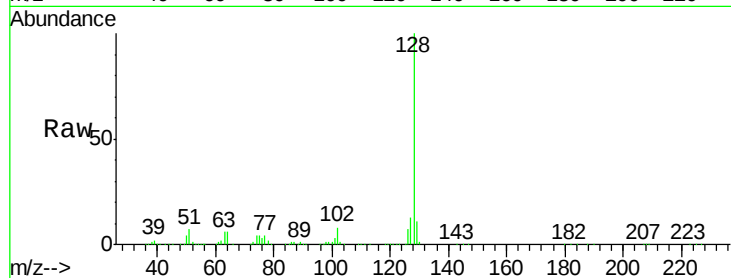
129 10.6 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

8/29/2019 8:48:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.166 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034023.D

Acq: 28 Aug 2019 14:52

Tgt Ion:180 Resp: 369715

Ion Ratio Lower Upper

180 100

182 96.1 48.2 144.6

145 30.3 15.5 46.5

