

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034249.D
 Acq On : 8 Oct 2019 11:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:06:31 PM

Quant Time: Oct 09 05:12:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	931773	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1593040	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1804136	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1474034	9.40	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1815678	13.192	ppbv	99
3) Chlorodifluoromethane	2.97	51	1205092	11.030	ppbv	100
4) Chloromethane	3.12	50	724605	11.286	ppbv	97
5) Vinyl Chloride	3.24	62	655996	11.181	ppbv	98
6) Bromomethane	3.46	94	313909	11.467	ppbv	96
7) Chloroethane	3.55	64	235779	11.497	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1379991	11.360	ppbv	100
9) Propene	2.99	41	591417	10.972	ppbv	99
10) Heptane	8.17	43	1548285	11.022	ppbv	99
11) Trichlorofluoromethane	3.95	101	1455228	11.616	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	965406	11.775	ppbv	100
13) Ethanol	3.59	45	114104	8.742	ppbv	98
14) Bromoethene	3.73	108	402632	12.011	ppbv	100
15) Acetone	3.84	43	1231360	9.860	ppbv	100
16) 1,3-Butadiene	3.31	39	638014	11.707	ppbv	98
17) tert-Butyl alcohol	4.29	59	842506	10.647	ppbv	100
18) 1,1-Dichloroethene	4.29	96	448636	12.546	ppbv	92
19) Isopropyl Alcohol	3.96	45	735751	9.581	ppbv #	98
20) Methylene Chloride	4.35	84	404530	11.235	ppbv	97
21) Allyl Chloride	4.41	41	855219	12.124	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	448370	12.532	ppbv	97
23) Vinyl Acetate	5.09	43	2045443	11.115	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1383040	11.161	ppbv	99
25) Ethyl Acetate	5.70	43	2554565	10.817	ppbv	100
26) Hexane	5.71	57	1094523	11.142	ppbv	99
27) Carbon Disulfide	4.56	76	1135812	12.537	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1695384	11.620	ppbv	99
29) Chloroform	5.78	83	1604914	11.433	ppbv	100
30) Cyclohexane	7.17	84	794698	11.205	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1153408	11.518	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1526860	11.278	ppbv	100
34) 2-Butanone	5.26	43	1742444	10.712	ppbv	99
35) Carbon Tetrachloride	7.06	117	1528201	11.547	ppbv	99
36) Benzene	6.93	78	1934899	10.997	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1445515	11.551	ppbv	99
38) Trichloroethene	7.88	130	652718	10.383	ppbv	96
39) 1,2-Dichloropropane	7.66	63	858737	10.863	ppbv	97
40) 1,4-Dioxane	7.87	88	265691	10.386	ppbv #	92
41) Tetrahydrofuran	6.07	42	1025618	11.195	ppbv	99
42) Bromodichloromethane	7.84	83	1749405	11.648	ppbv	99
43) Methyl Methacrylate	8.06	69	856799	11.789	ppbv	96

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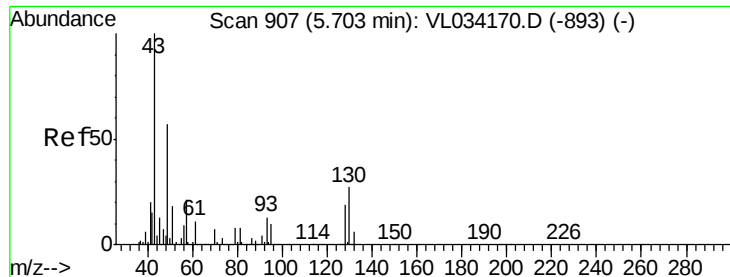
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3618556	10.683	ppbv	100
45) t-1,3-Dichloropropene	9.34	75	1109343	12.909	ppbv	96
46) cis-1,3-Dichloropropene	8.76	75	1265130	12.238	ppbv	99
47) 1,1,2-Trichloroethane	9.54	97	788166	11.103	ppbv	97
48) Dibromochloromethane	10.37	129	1304441	11.594	ppbv	100
49) Bromoform	13.12	173	1080849	11.871	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2568485	10.850	ppbv	99
51) 2-Hexanone	10.19	43	2163274	10.889	ppbv	99
52) Tetrachloroethene	11.29	164	596297	10.258	ppbv	97
53) Toluene	9.86	91	2143119	11.145	ppbv	98
54) 1,2-Dibromoethane	10.68	107	1169163	11.075	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	860310	10.693	ppbv	98
57) Chlorobenzene	12.21	112	1554261	9.895	ppbv #	95
58) Ethyl Benzene	12.78	91	2950761	10.136	ppbv	98
59) m/p-Xylene	13.06	91	4866710m	20.184	ppbv	
60) o-Xylene	13.77	91	2451472	10.168	ppbv	98
61) Styrene	13.60	104	1774467	10.275	ppbv	100
62) Isopropylbenzene	14.74	105	3122062	10.003	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1762467	8.915	ppbv	100
64) n-propylbenzene	15.64	120	793849	10.054	ppbv	90
65) tert-Butylbenzene	16.82	119	2668606	9.786	ppbv	99
66) Benzyl Chloride	17.07	91	1220289	12.648	ppbv	99
67) sec-Butylbenzene	17.37	105	3850511	9.874	ppbv	99
69) p-Isopropyltoluene	17.73	119	3109463	9.847	ppbv	99
70) n-Butylbenzene	18.63	91	3580673	9.739	ppbv	98
71) 2-Chlorotoluene	15.53	91	2543269	9.973	ppbv	100
72) 4-Ethyltoluene	15.92	105	2748812	10.091	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2637280	10.022	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2673619	9.569	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1420999	9.479	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1457541	9.494	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1393950	9.187	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1082998	10.776	ppbv	98
79) Naphthalene	22.31	128	2321647	9.438	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	939306	8.211	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1280184	9.395	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

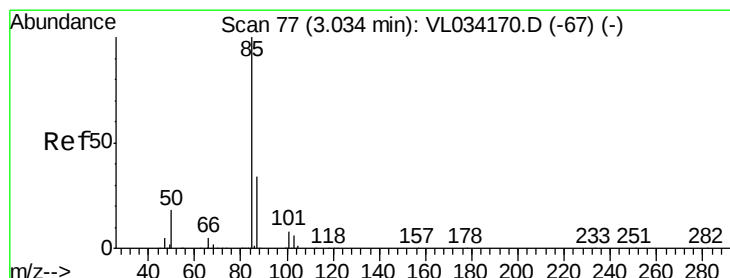
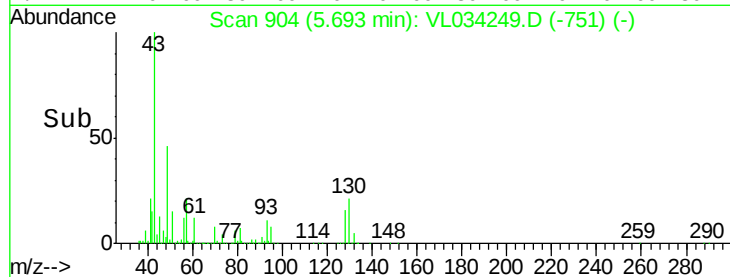
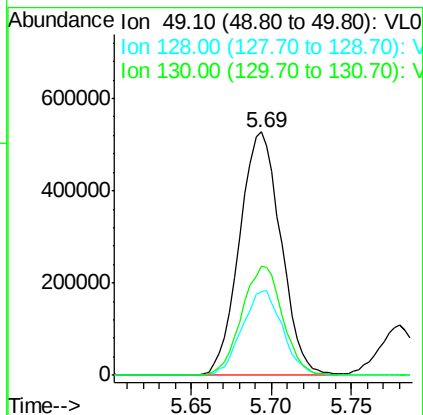
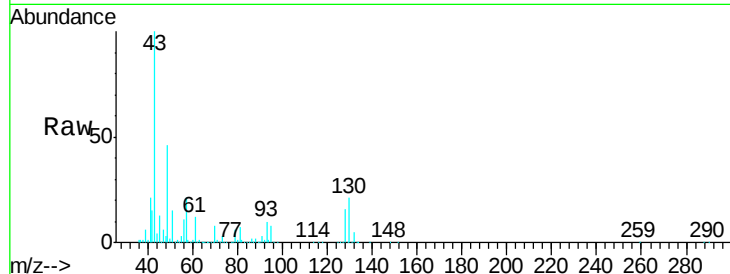
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	49	Resp:	931773
Ion	Ratio	Lower	Upper
49	100		
128	33.9	17.6	52.9
130	44.3	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 13.192 ppbv

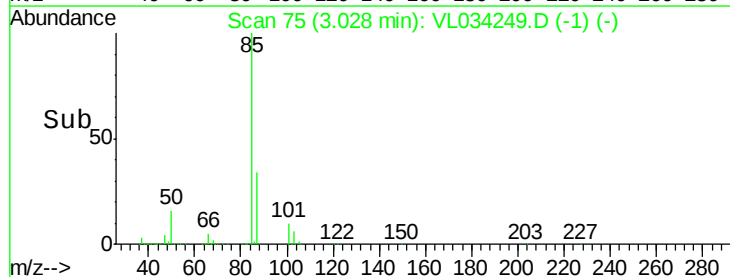
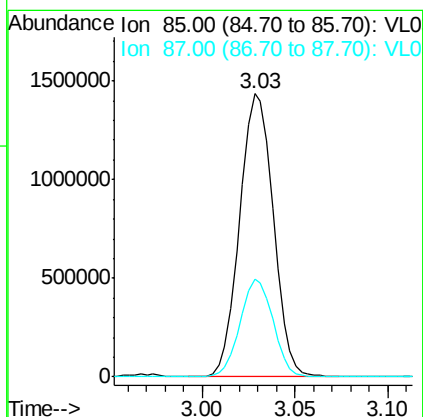
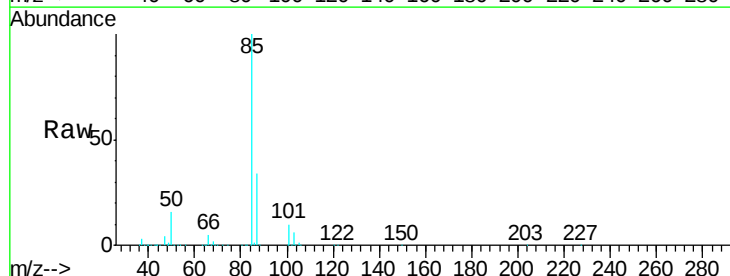
RT: 3.03 min Scan# 75

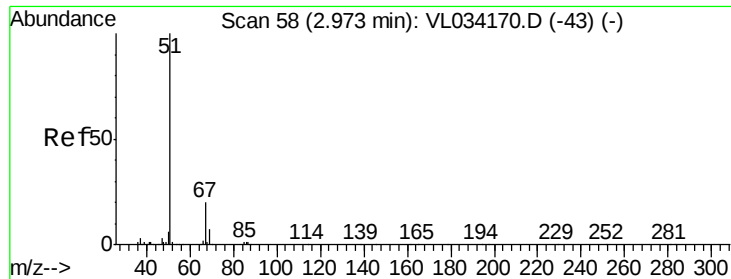
Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion:	85	Resp:	1815678
Ion	Ratio	Lower	Upper
85	100		
87	34.3	27.2	40.8





#3

Chlorodifluoromethane

Concen: 11.030 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1205092

Ion Ratio Lower Upper

51 100

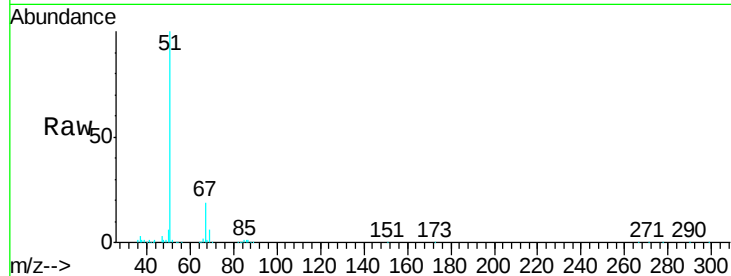
67 18.4 14.8 22.2

Manual Integrations

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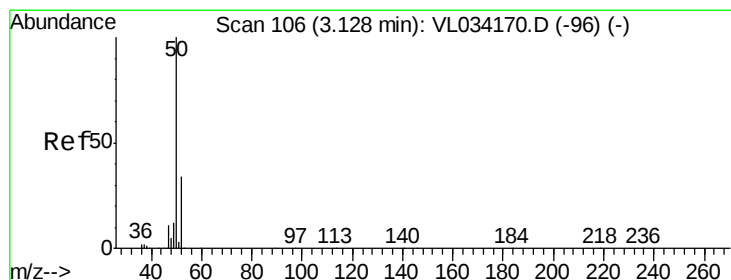
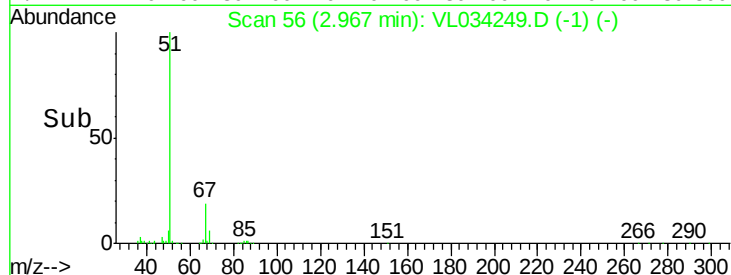
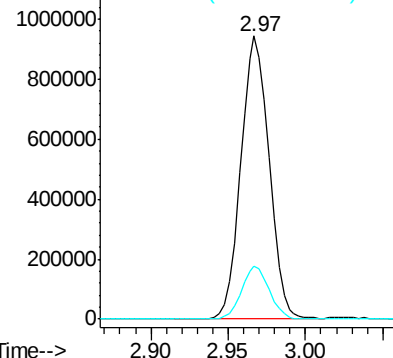
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.286 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034249.D

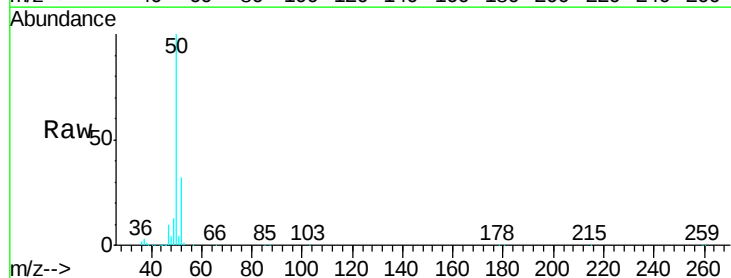
Acq: 8 Oct 2019 11:51

Tgt Ion: 50 Resp: 724605

Ion Ratio Lower Upper

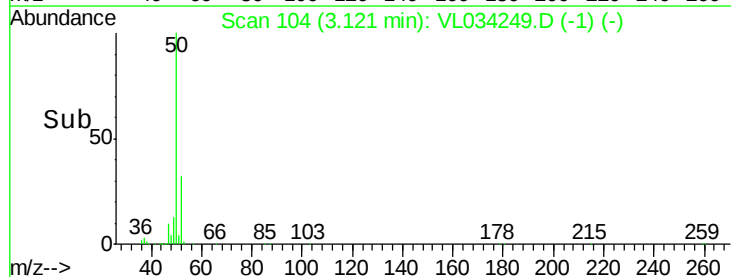
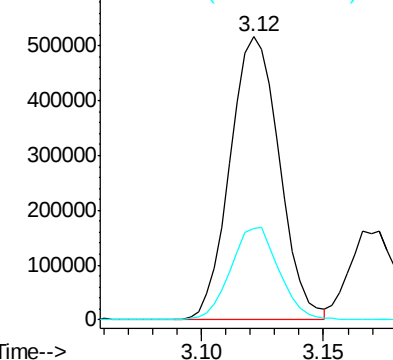
50 100

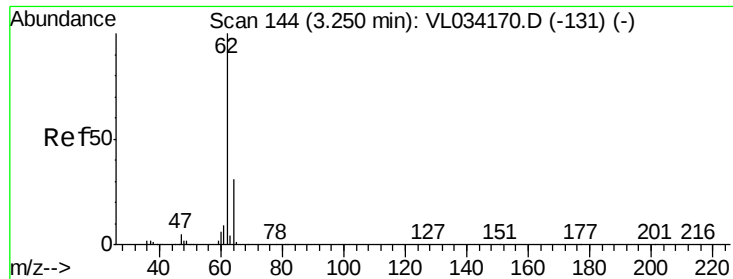
52 32.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.181 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 655996

Ion Ratio Lower Upper

62 100

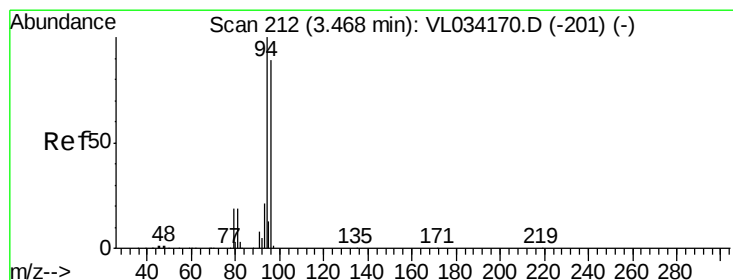
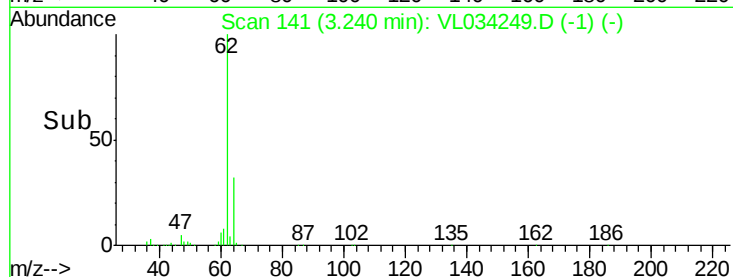
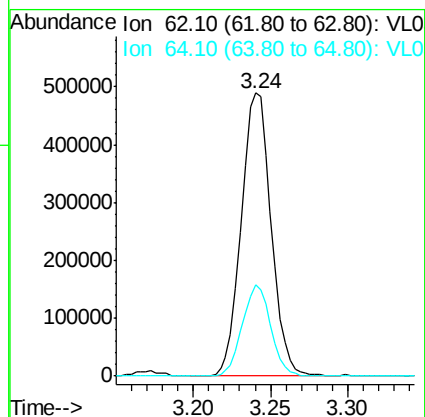
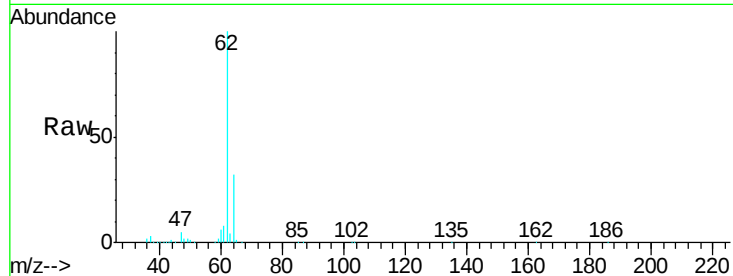
64 32.3 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 11.467 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034249.D

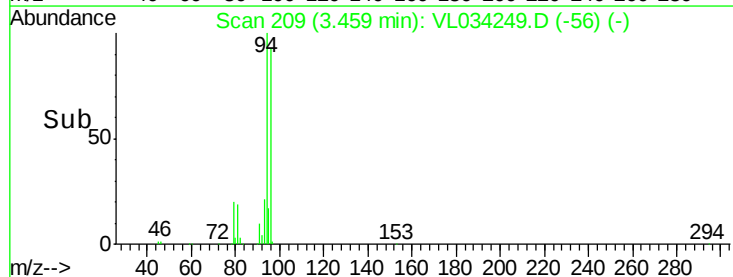
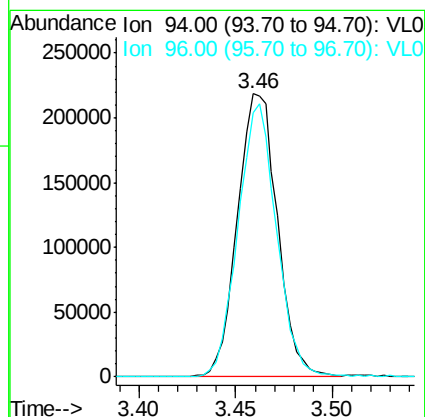
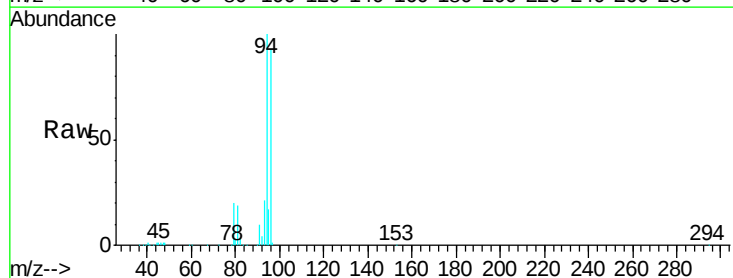
Acq: 8 Oct 2019 11:51

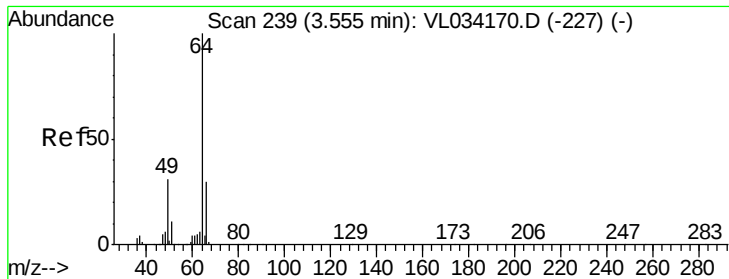
Tgt Ion: 94 Resp: 313909

Ion Ratio Lower Upper

94 100

96 93.0 71.3 106.9





#7

Chloroethane

Concen: 11.497 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 235779

Ion Ratio Lower Upper

64 100

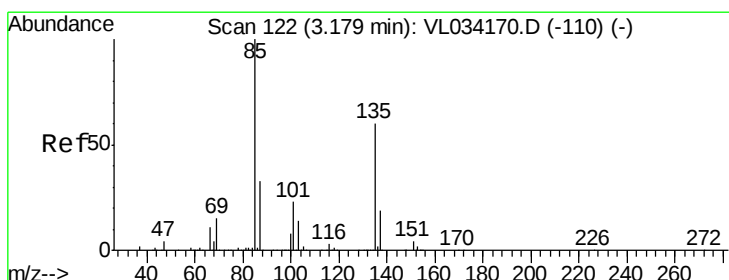
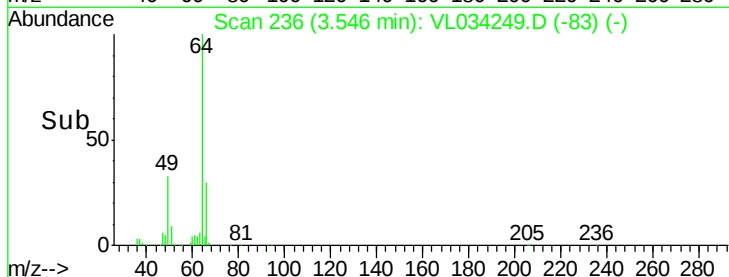
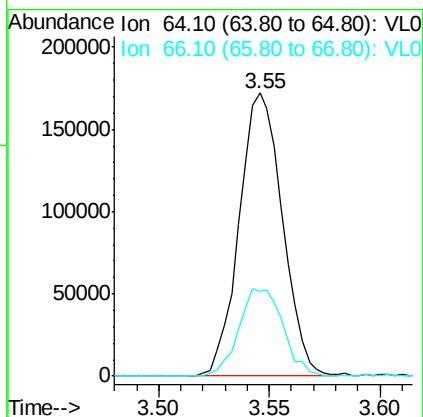
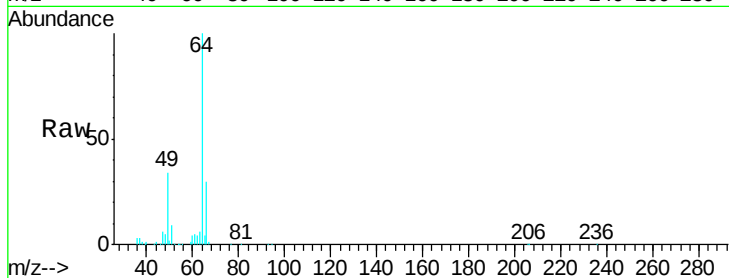
66 30.2 24.2 36.4

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#8

Dichlorotetrafluoroethane

Concen: 11.360 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034249.D

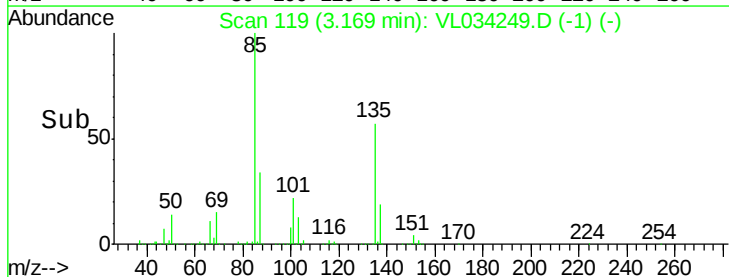
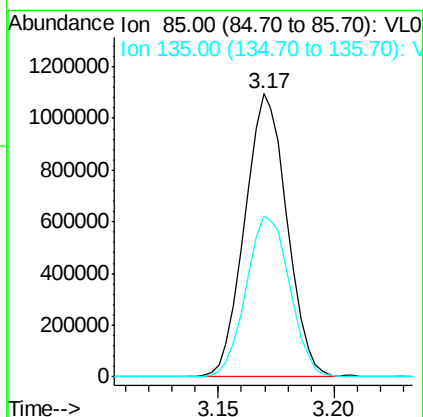
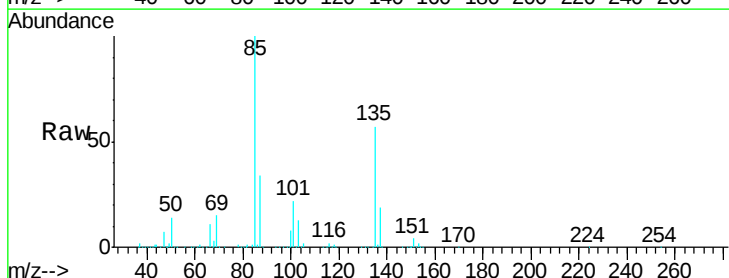
Acq: 8 Oct 2019 11:51

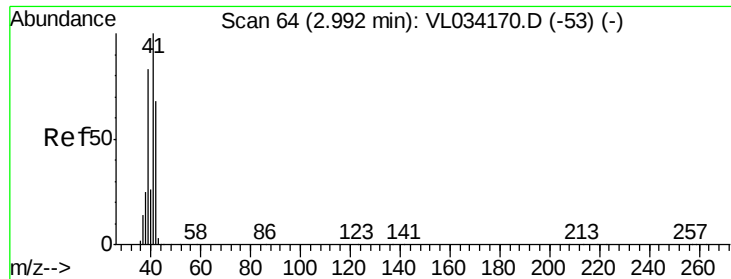
Tgt Ion: 85 Resp: 1379991

Ion Ratio Lower Upper

85 100

135 58.9 47.3 70.9





#9

Propene

Concen: 10.972 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 591417

Ion Ratio Lower Upper

41 100

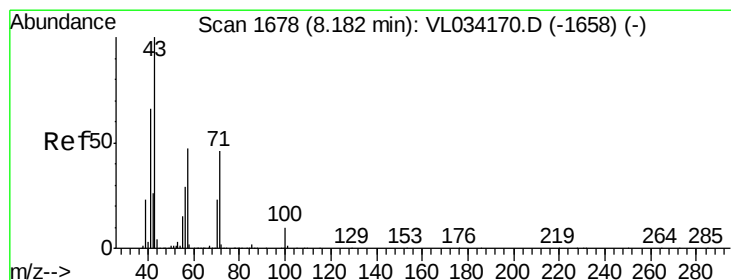
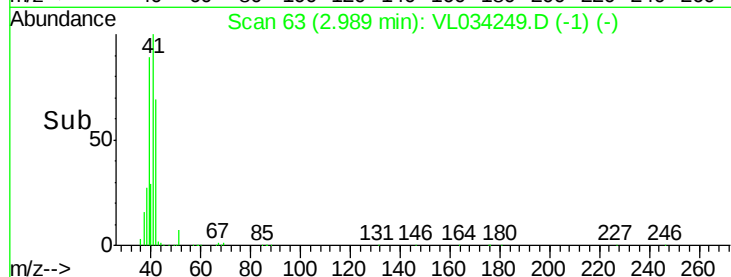
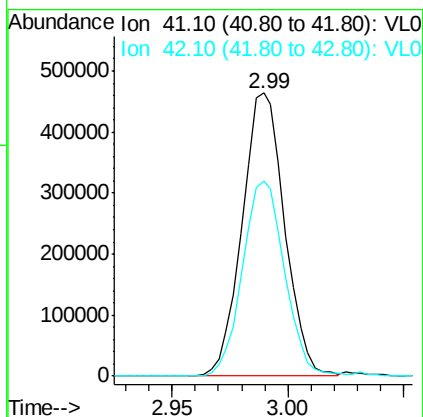
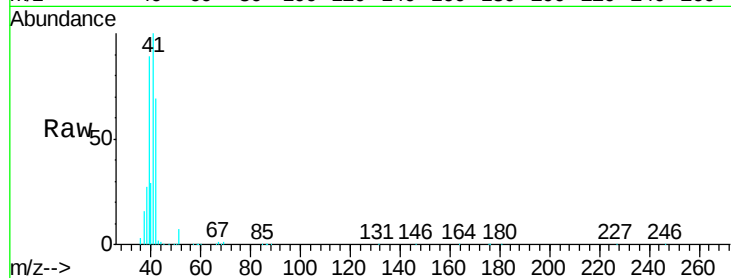
42 69.3 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 11.022 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034249.D

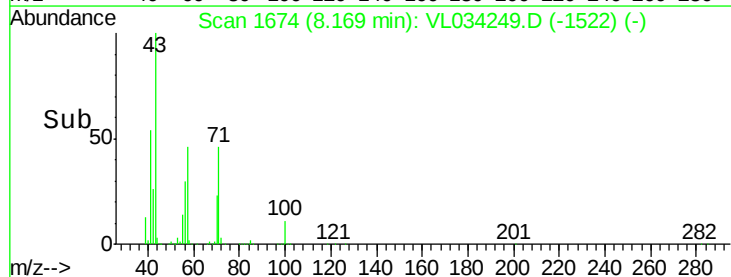
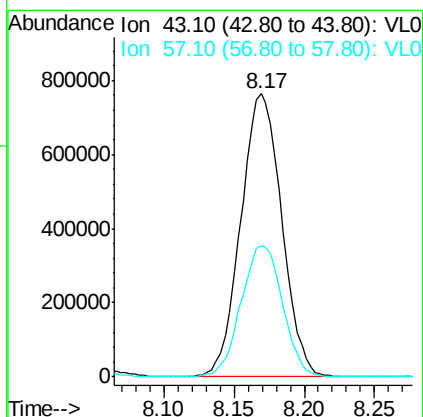
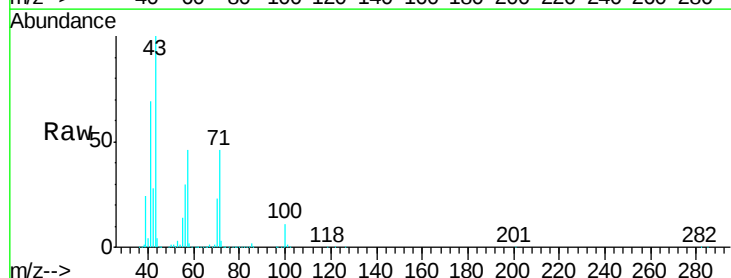
Acq: 8 Oct 2019 11:51

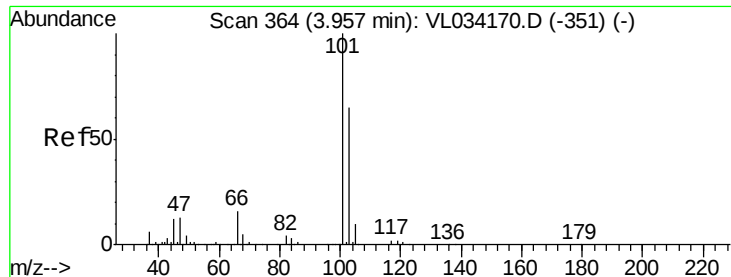
Tgt Ion: 43 Resp: 1548285

Ion Ratio Lower Upper

43 100

57 47.3 37.5 56.3





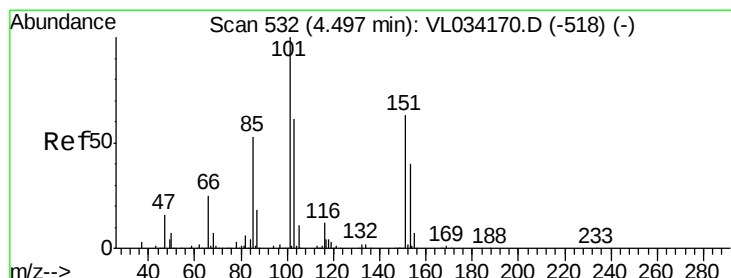
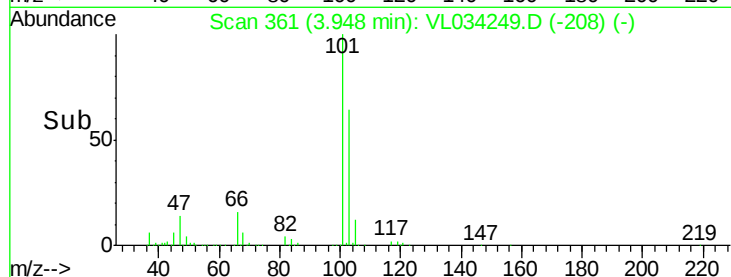
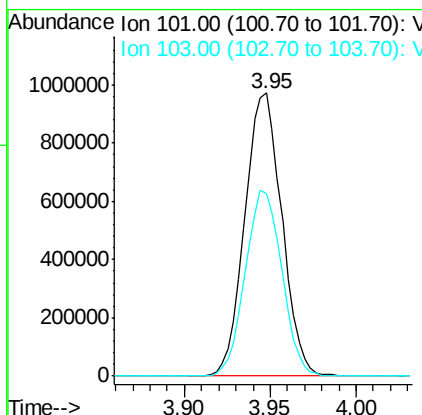
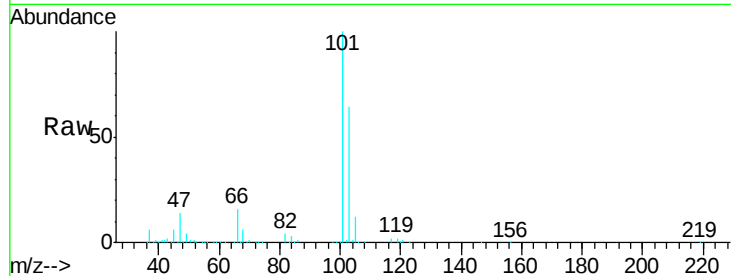
#11
 Trichlorofluoromethane
 Concen: 11.616 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1455228
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

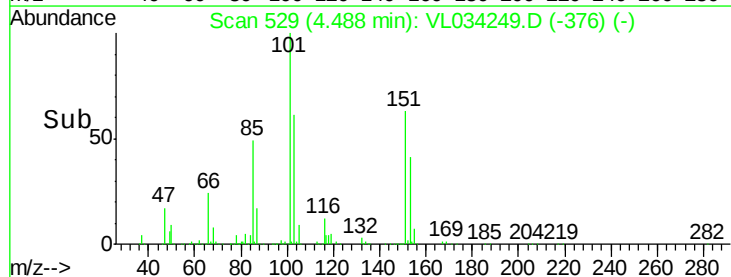
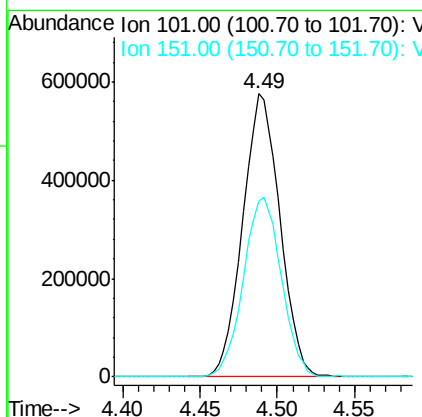
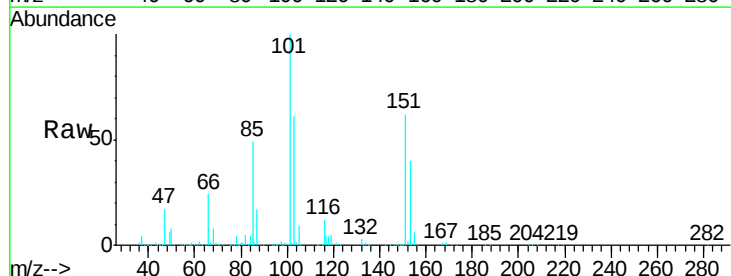
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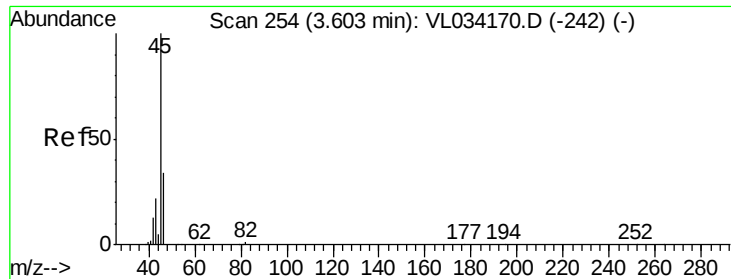
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.775 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion:101 Resp: 965406
 Ion Ratio Lower Upper
 101 100
 151 64.7 51.8 77.8





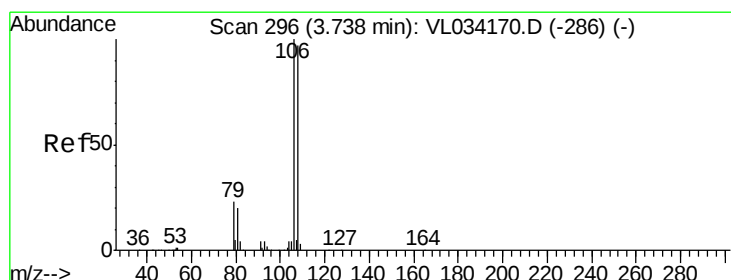
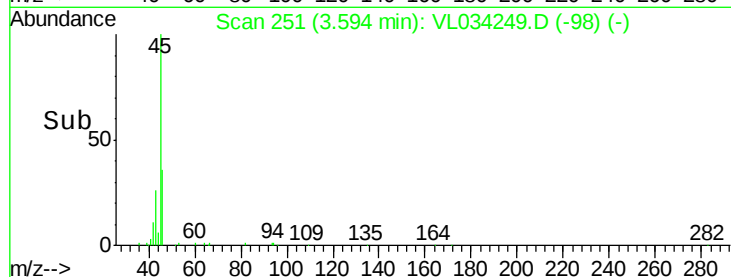
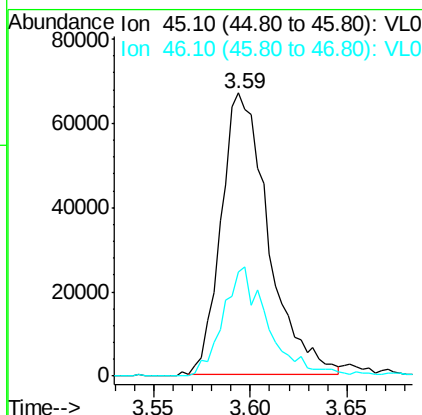
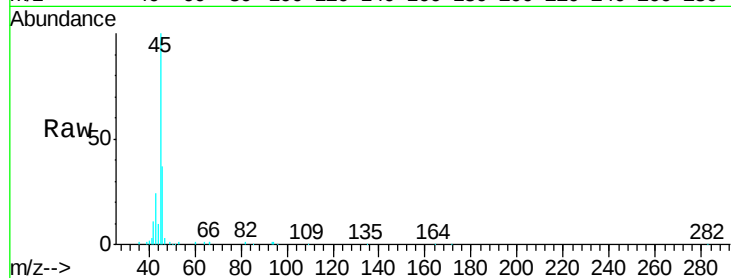
#13
Ethanol
Concen: 8.742 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 114104
Ion Ratio Lower Upper
45 100
46 37.7 15.5 61.9

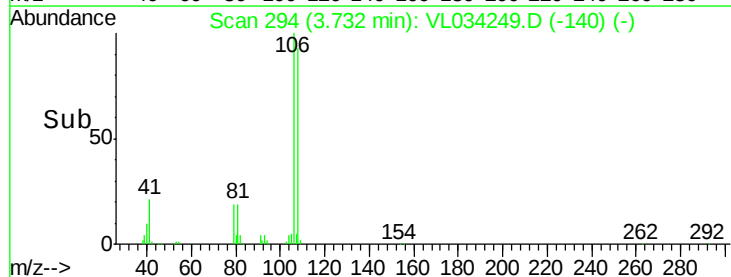
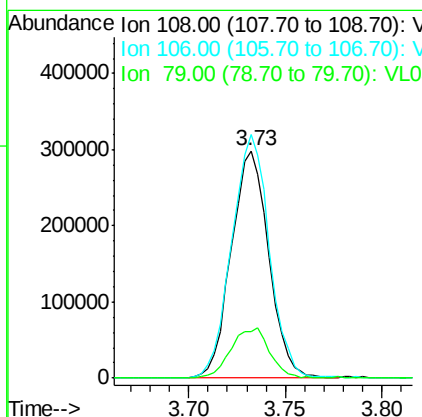
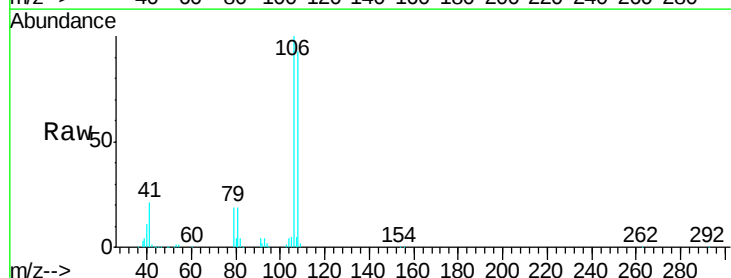
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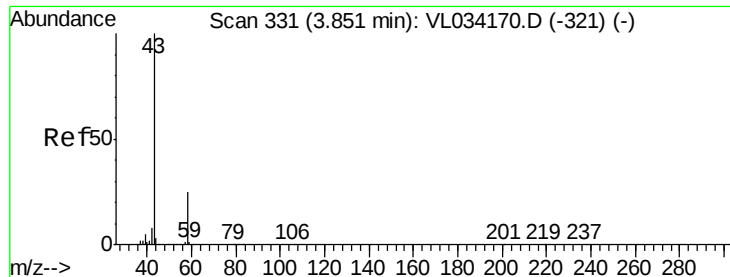
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#14
Bromoethene
Concen: 12.011 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 108 Resp: 402632
Ion Ratio Lower Upper
108 100
106 108.1 86.2 129.4
79 23.1 18.6 27.8





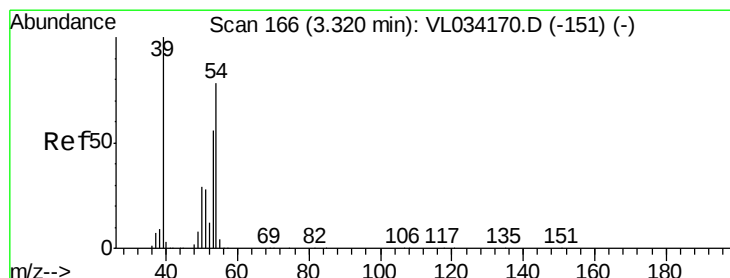
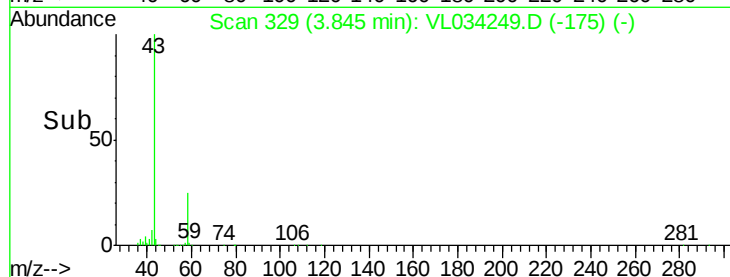
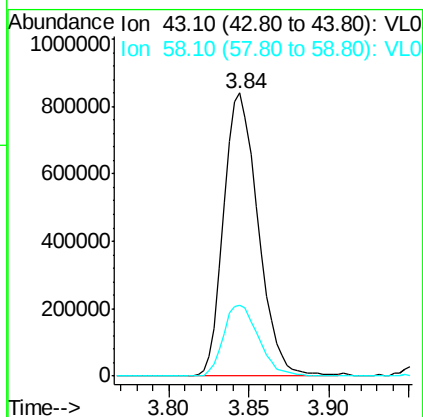
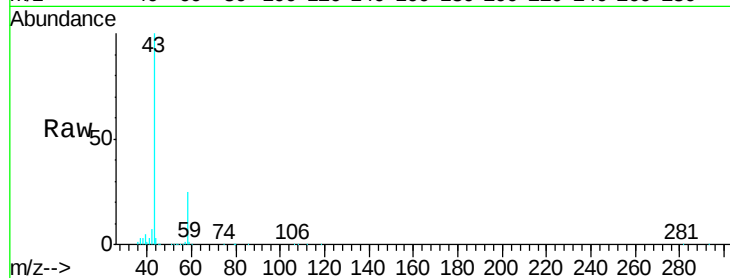
#15
Acetone
Concen: 9.860 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1231360
Ion Ratio Lower Upper
43 100
58 25.8 20.5 30.7

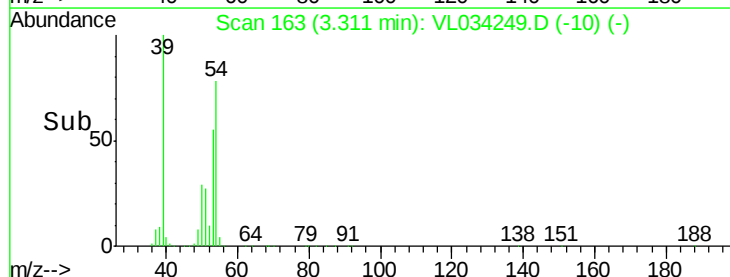
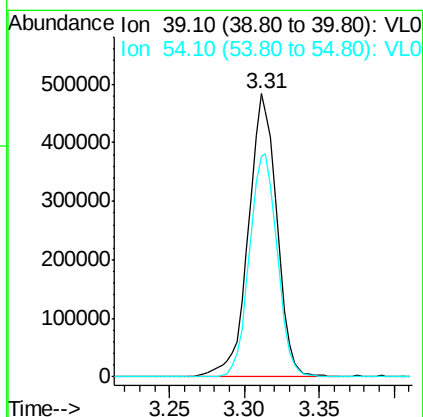
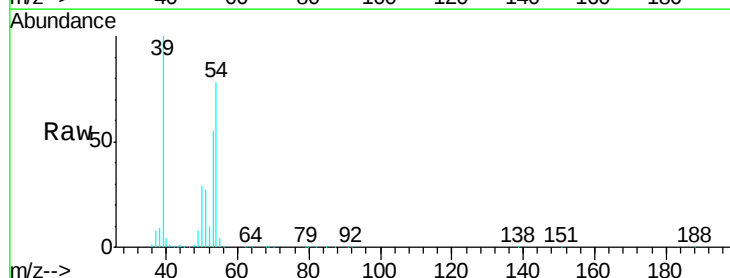
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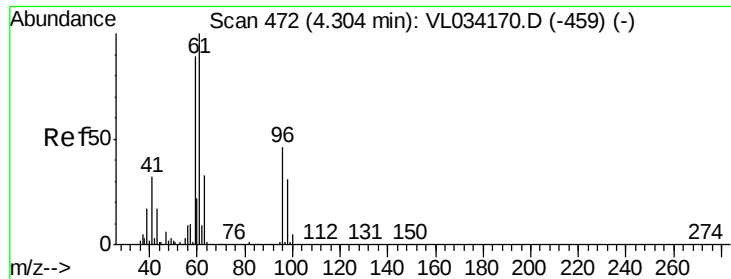
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#16
1,3-Butadiene
Concen: 11.707 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 39 Resp: 638014
Ion Ratio Lower Upper
39 100
54 77.1 63.4 95.0





#17

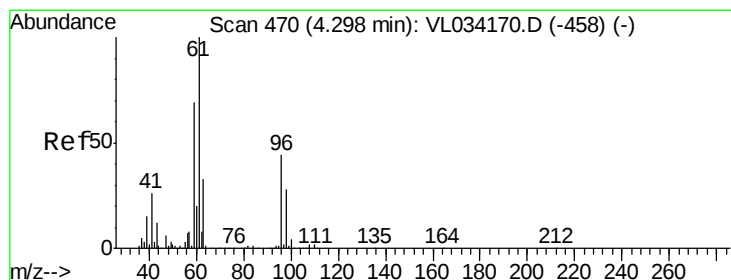
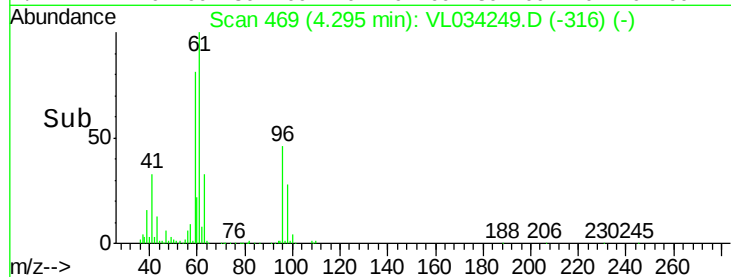
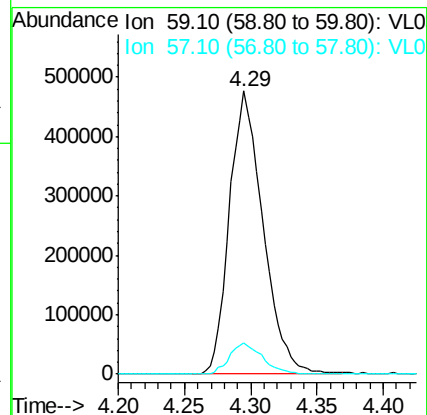
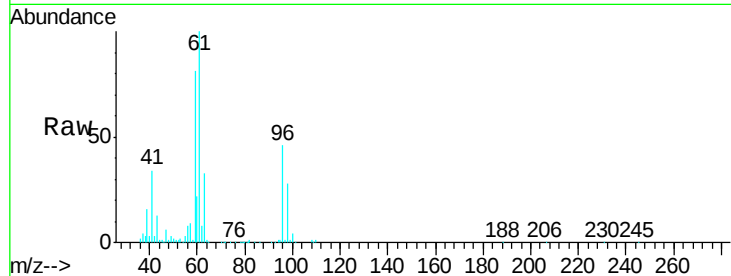
tert-Butyl alcohol
Concen: 10.647 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 842506
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

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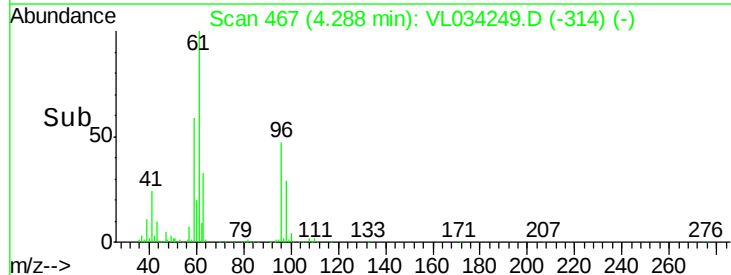
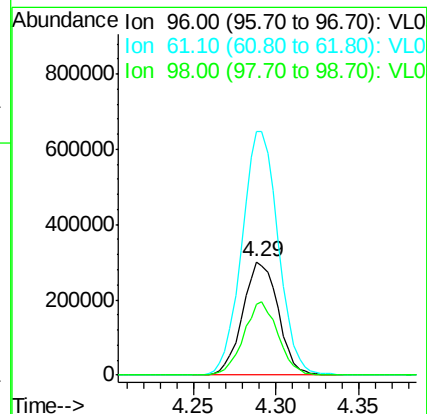
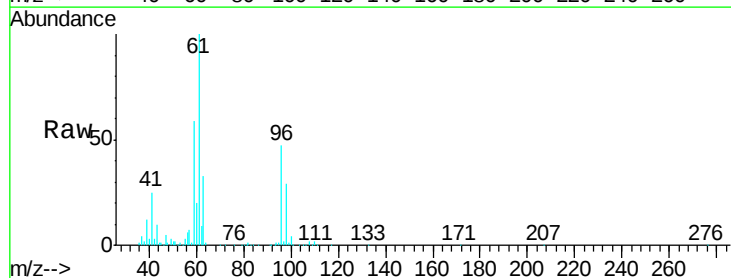
MMDadoda
10/11/2019 5:06:31 PM

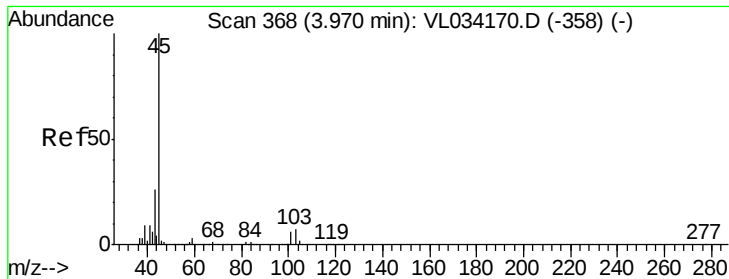


#18

1,1-Dichloroethene
Concen: 12.546 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 96 Resp: 448636
Ion Ratio Lower Upper
96 100
61 214.1 183.3 274.9
98 62.8 51.4 77.2





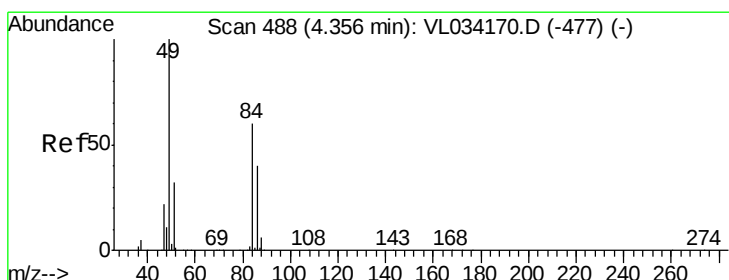
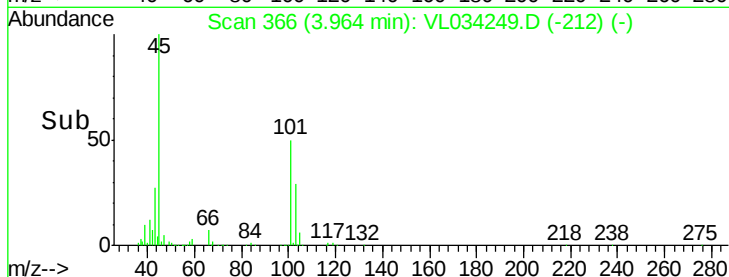
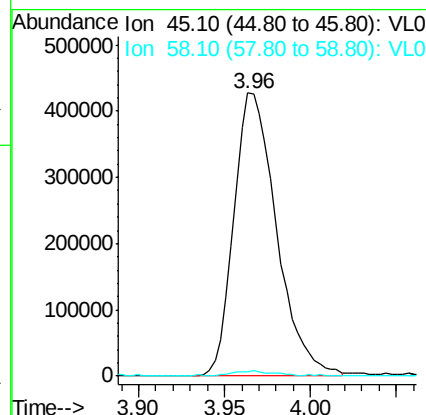
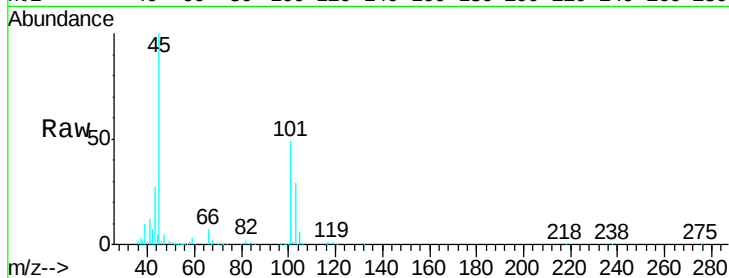
#19
Isopropyl Alcohol
Concen: 9.581 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 735751
Ion Ratio Lower Upper
45 100
58 2.3 1.4 2.0#

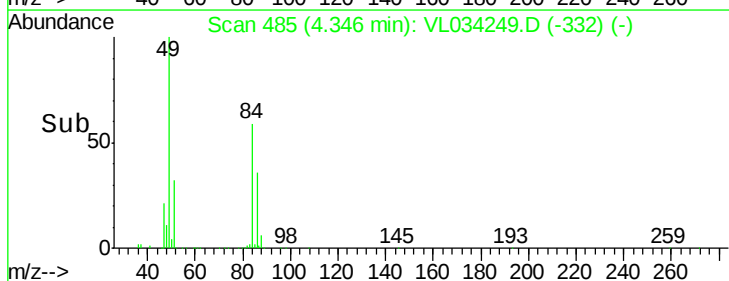
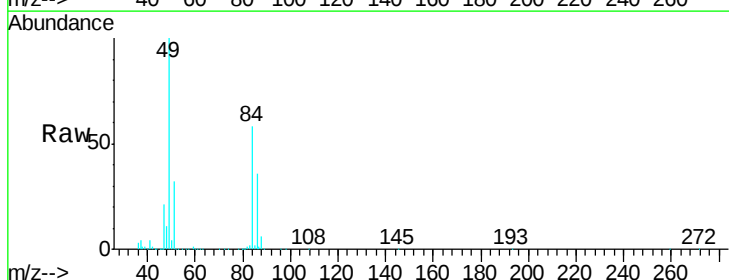
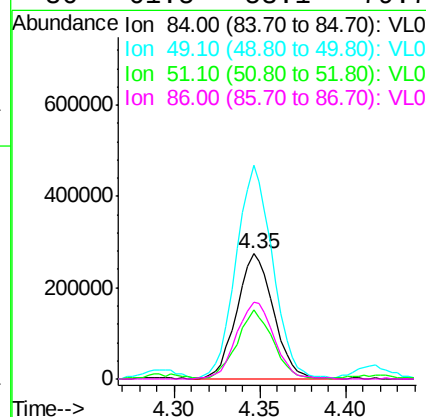
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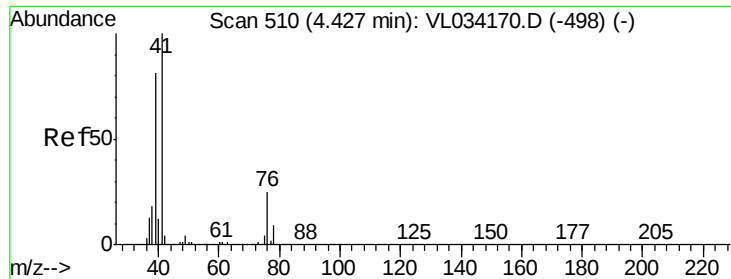
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#20
Methylene Chloride
Concen: 11.235 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 84 Resp: 404530
Ion Ratio Lower Upper
84 100
49 170.1 133.8 200.8
51 54.9 43.6 65.4
86 61.5 53.1 79.7





#21

Allyl Chloride

Concen: 12.124 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

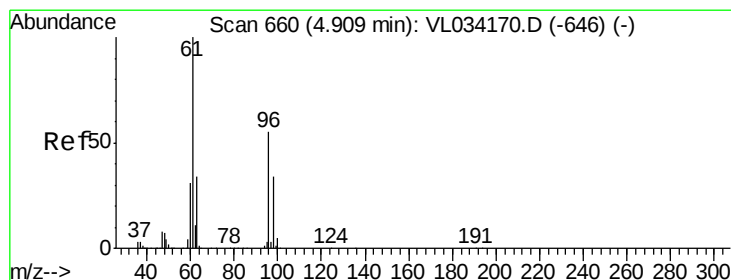
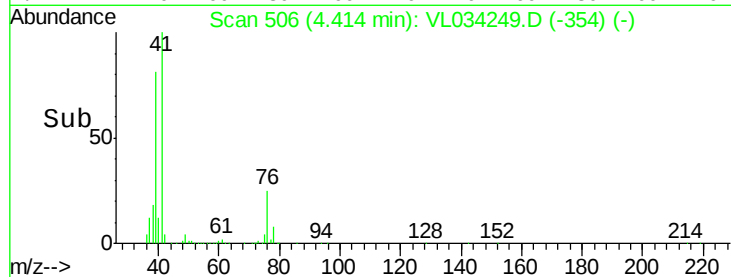
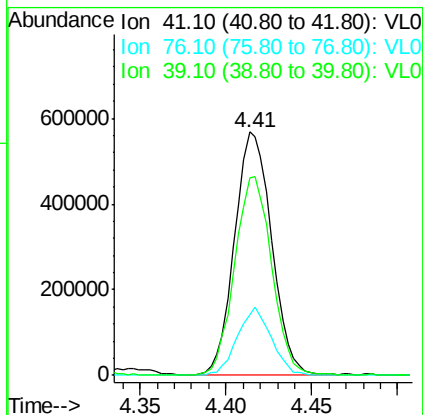
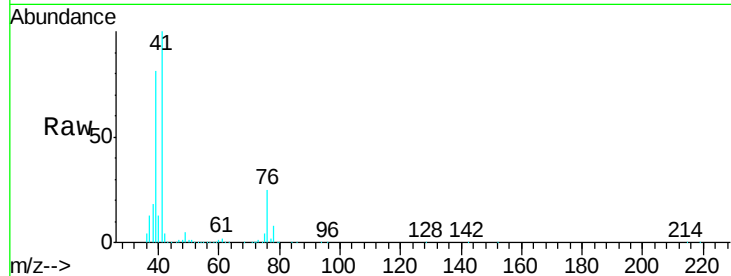
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	855219
Ion	Ratio	Lower	Upper
41	100		
76	25.8	21.8	32.6
39	82.0	64.8	97.2

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#22

trans-1,2-Dichloroethene

Concen: 12.532 ppbv

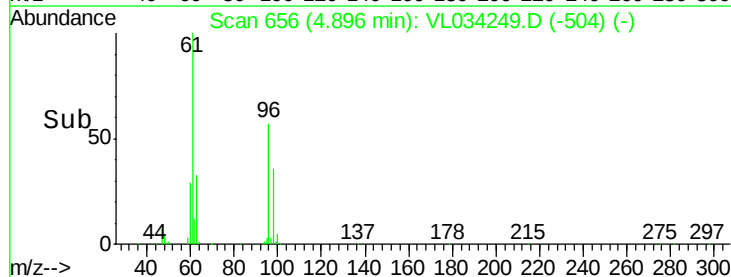
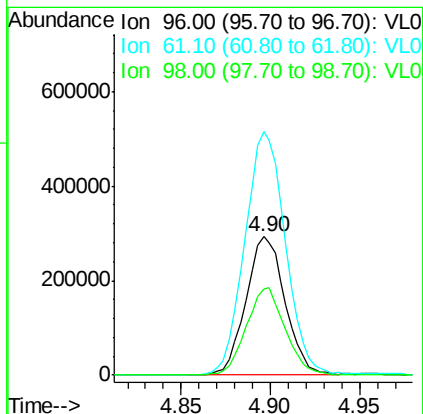
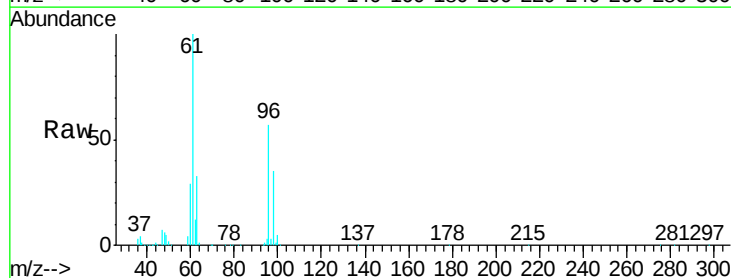
RT: 4.90 min Scan# 656

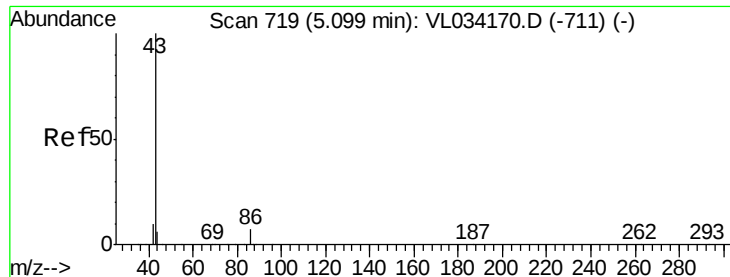
Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion:	96	Resp:	448370
Ion	Ratio	Lower	Upper
96	100		
61	176.3	145.5	218.3
98	62.0	49.9	74.9





#23

Vinyl Acetate

Concen: 11.115 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2045443

Ion Ratio Lower Upper

43 100

86 6.0 5.1 7.7

42 10.8 8.6 12.8

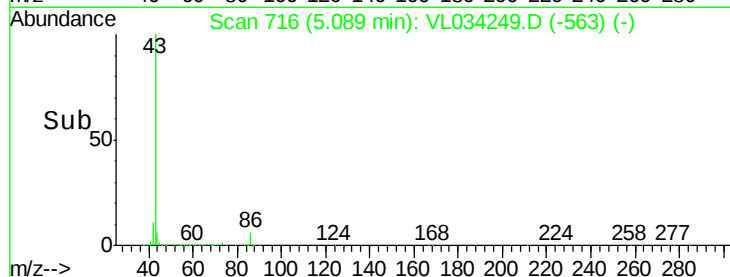
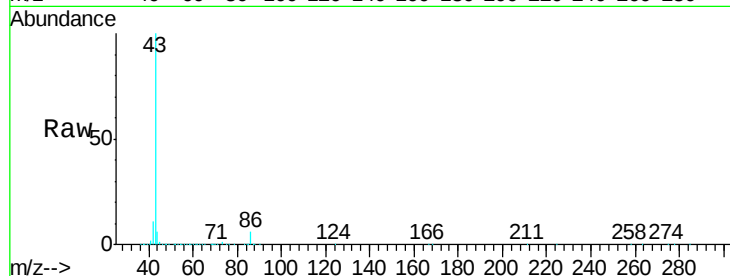
44 6.1 4.7 7.1

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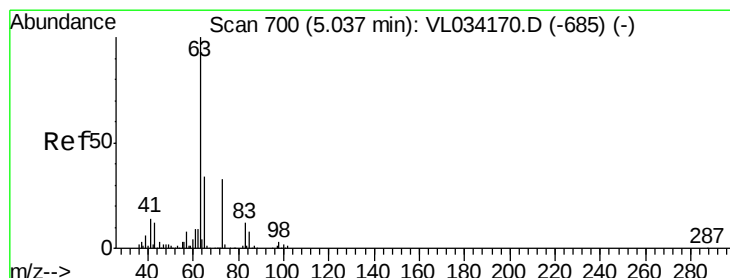
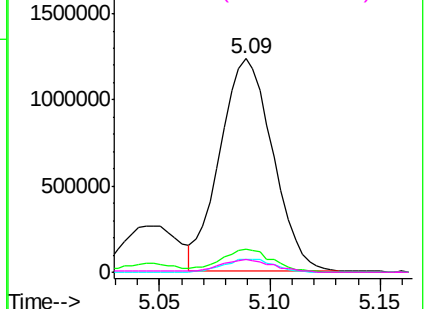


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.161 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

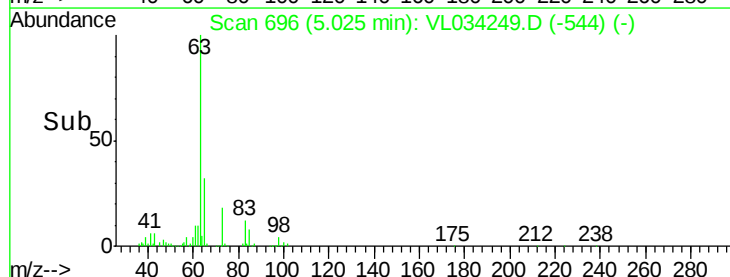
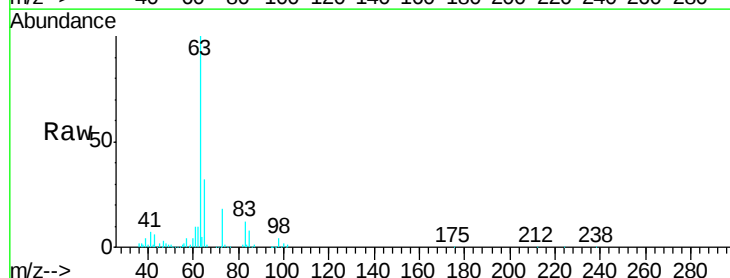
Tgt Ion: 63 Resp: 1383040

Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.3

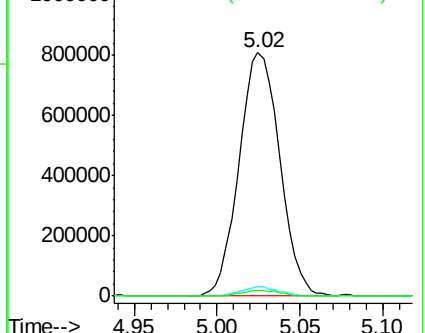
100 2.2 1.0 3.0

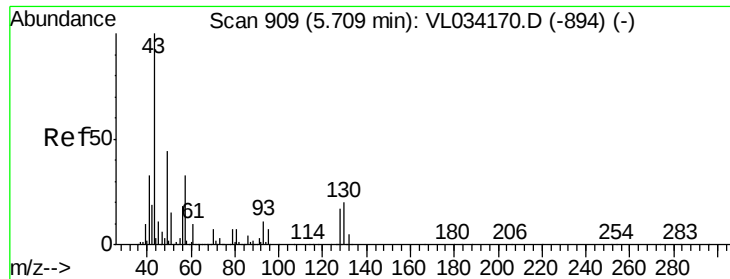


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.817 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2554565

Ion Ratio Lower Upper

43 100

45 10.5 8.4 12.6

61 9.3 7.2 10.8

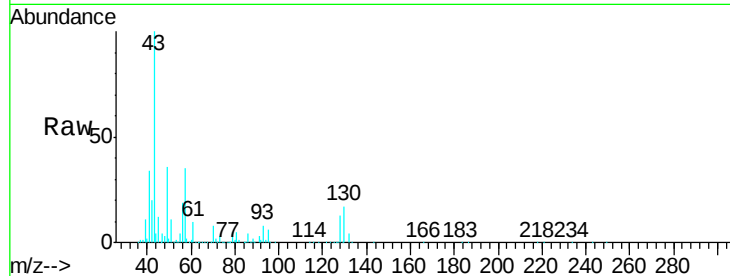
70 6.7 5.3 7.9

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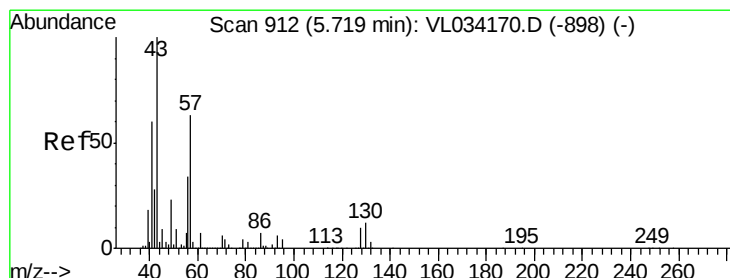
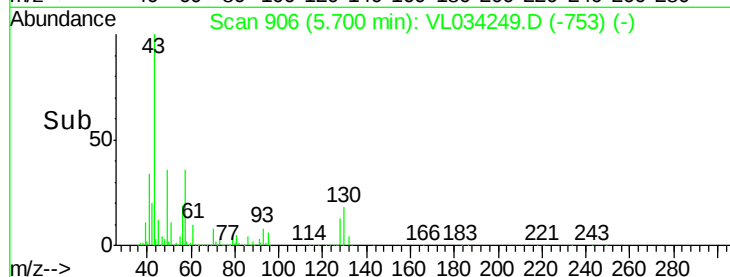
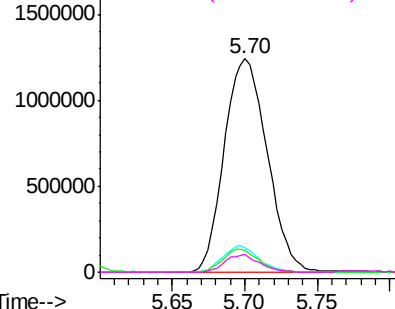


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 11.142 ppbv

RT: 5.71 min Scan# 909

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion: 57 Resp: 1094523

Ion Ratio Lower Upper

57 100

41 97.7 78.5 117.7

43 234.4 189.5 284.3

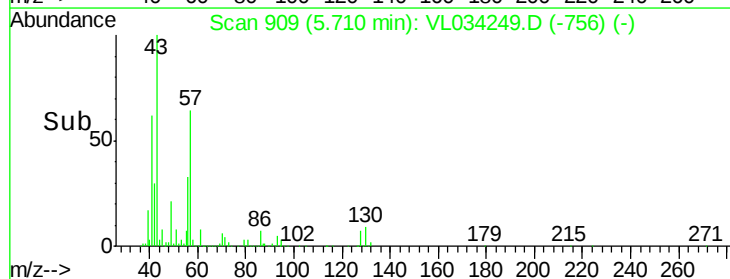
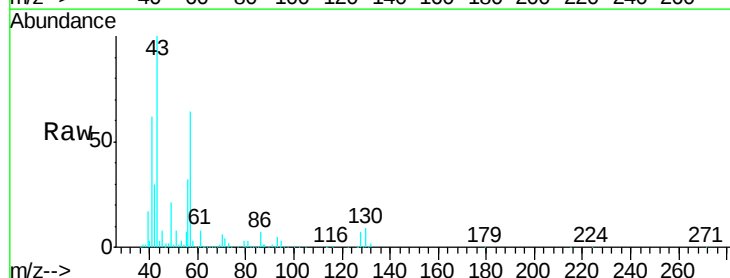
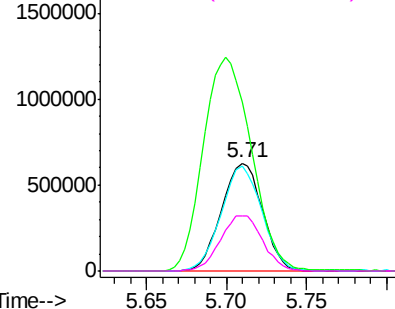
56 52.5 43.2 64.8

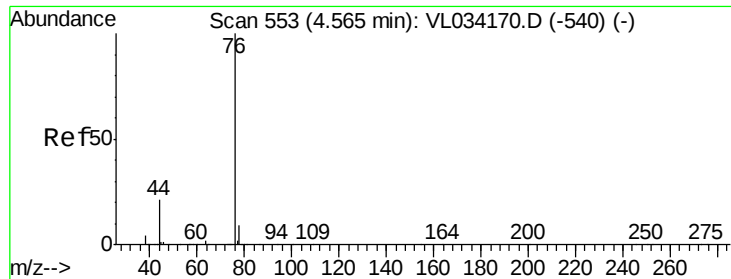
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





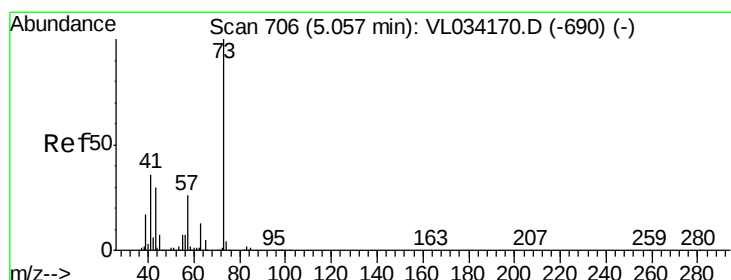
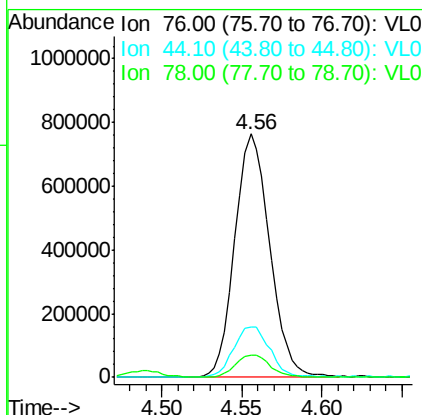
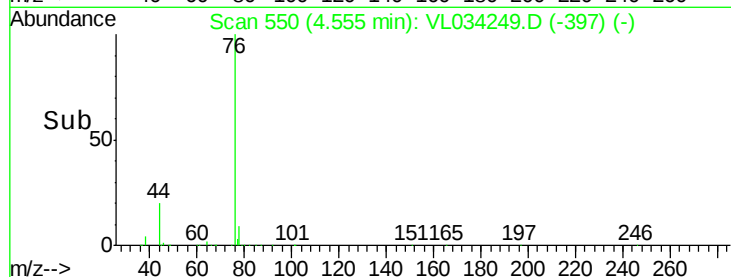
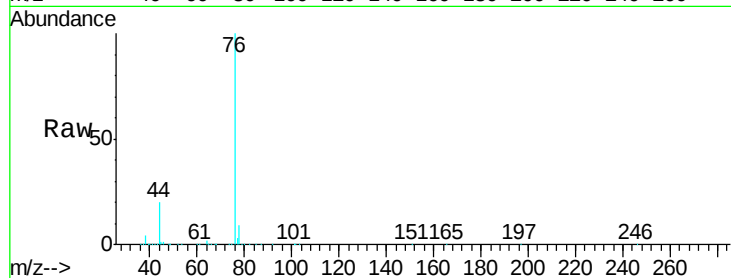
#27
Carbon Disulfide
Concen: 12.537 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1135812
Ion Ratio Lower Upper
76 100
44 21.1 17.6 26.4
78 9.4 7.6 11.4

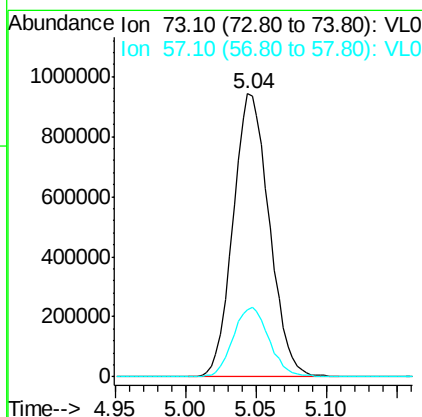
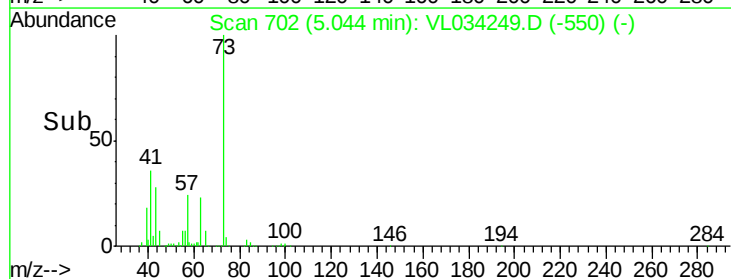
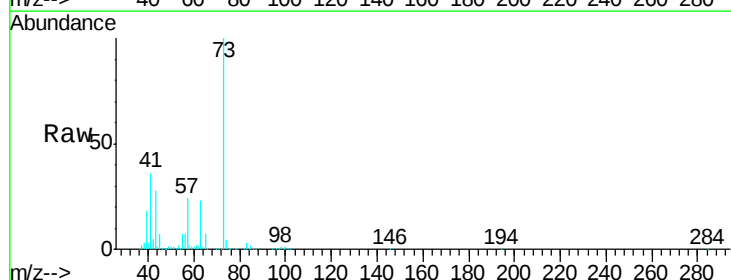
Manual Integrations
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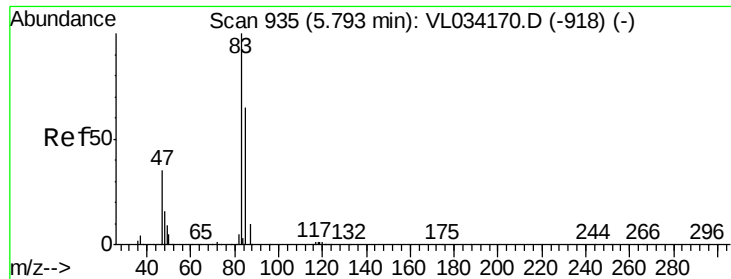
MMDadoda
10/11/2019 5:06:31 PM



#28
Methyl tert-Butyl Ether
Concen: 11.620 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 73 Resp: 1695384
Ion Ratio Lower Upper
73 100
57 24.5 20.2 30.2





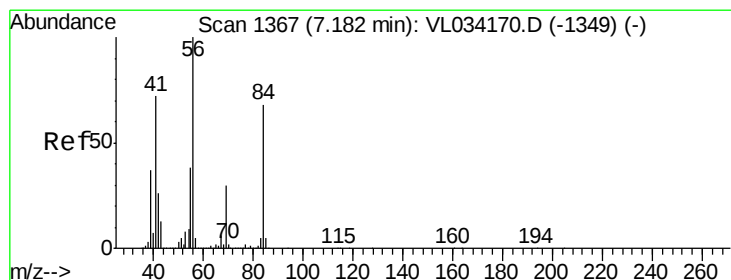
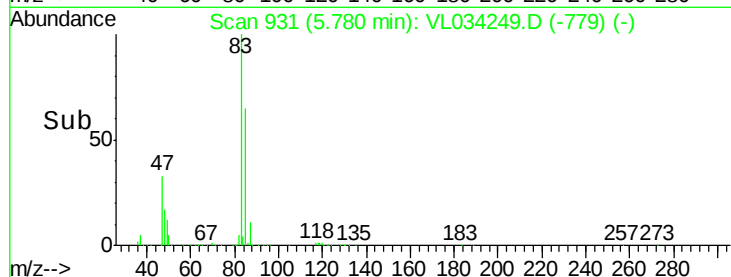
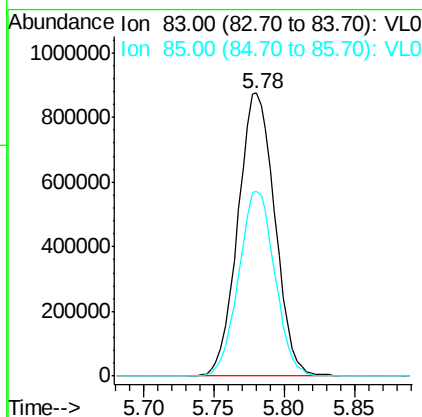
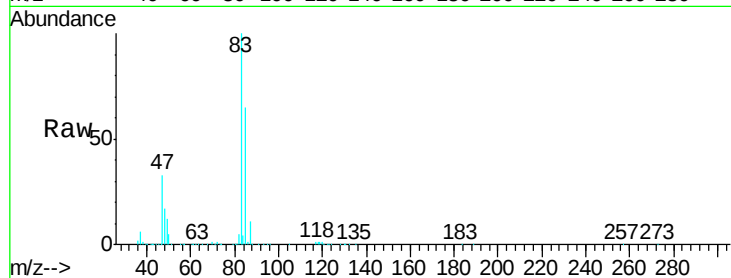
#29
Chloroform
Concen: 11.433 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1604914
Ion Ratio Lower Upper
83 100
85 65.2 52.3 78.5

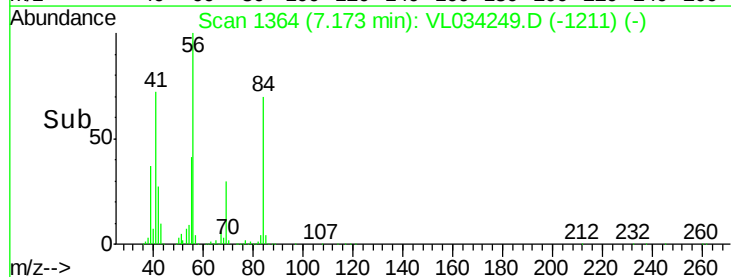
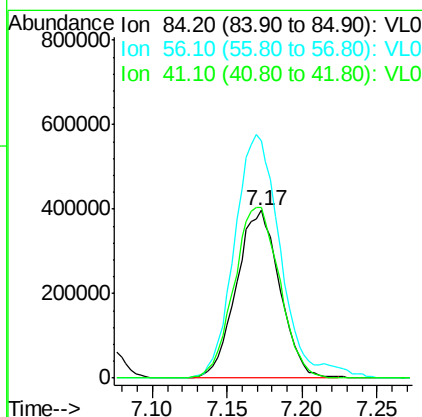
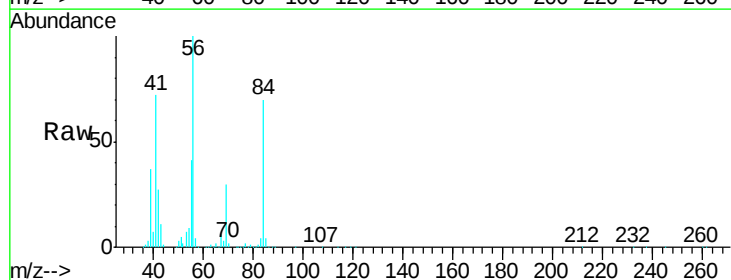
Manual Integrations
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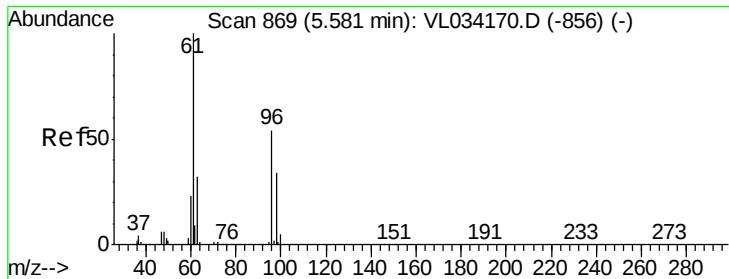
MMDadoda
10/11/2019 5:06:31 PM



#30
Cyclohexane
Concen: 11.205 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 84 Resp: 794698
Ion Ratio Lower Upper
84 100
56 156.4 126.2 189.2
41 108.1 85.8 128.8





#31

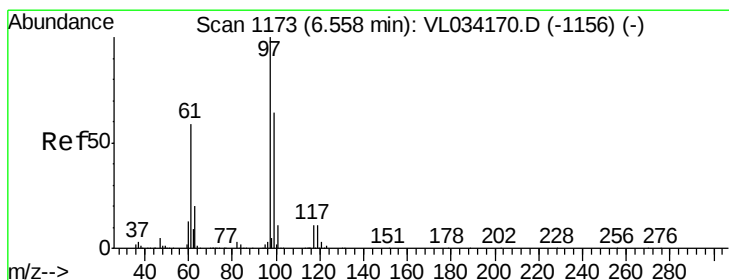
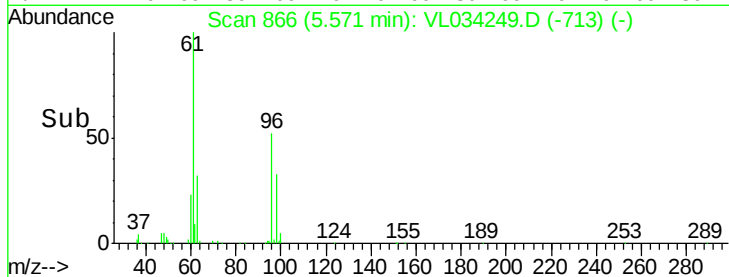
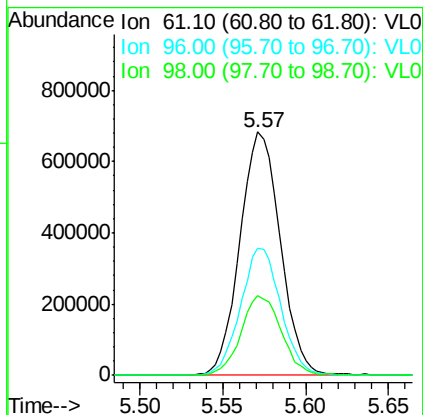
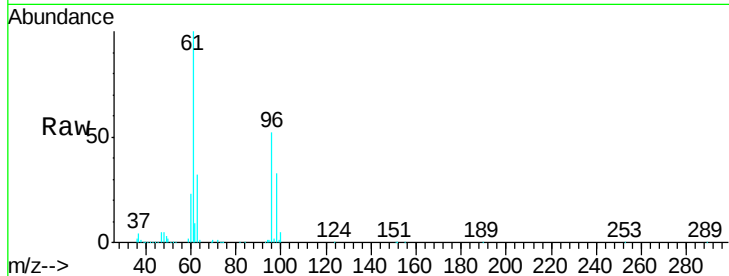
cis-1,2-Dichloroethene
 Concen: 11.518 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 61 Resp: 1153408
 Ion Ratio Lower Upper
 61 100
 96 52.1 43.0 64.4
 98 32.6 27.2 40.8

Manual Integrations
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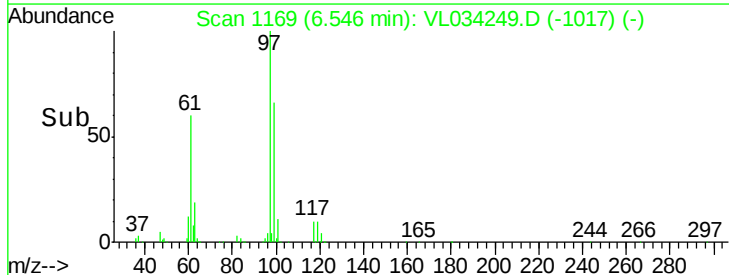
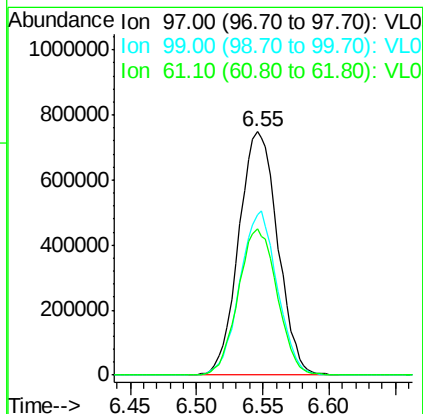
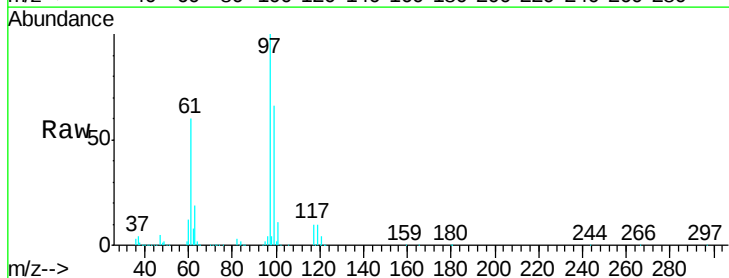
MMDadoda
 10/11/2019 5:06:31 PM

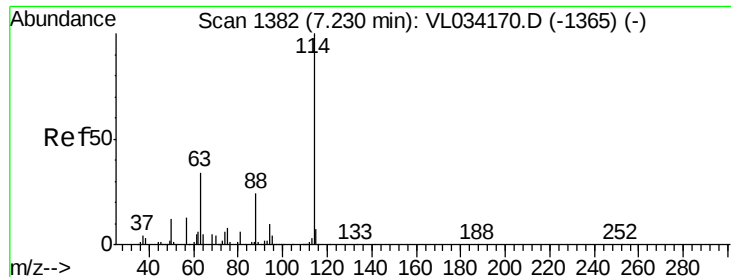


#32

1,1,1-Trichloroethane
 Concen: 11.278 ppbv
 RT: 6.55 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion: 97 Resp: 1526860
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.2
 61 60.2 48.4 72.6





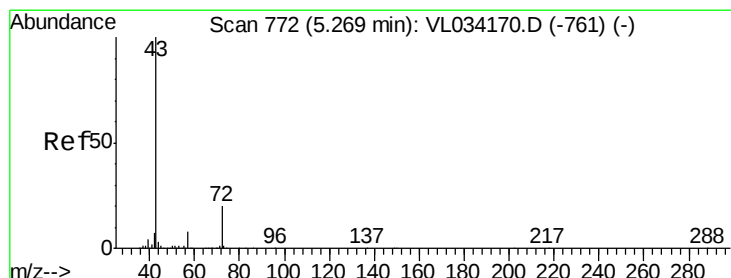
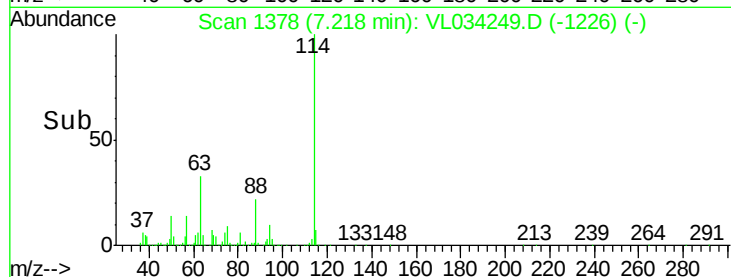
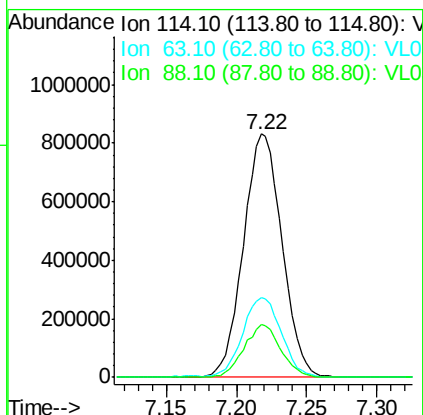
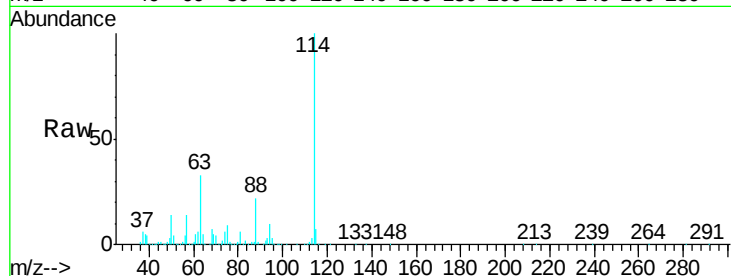
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 1593040
 Ion Ratio Lower Upper
 114 100
 63 33.5 27.8 41.6
 88 20.8 17.1 25.7

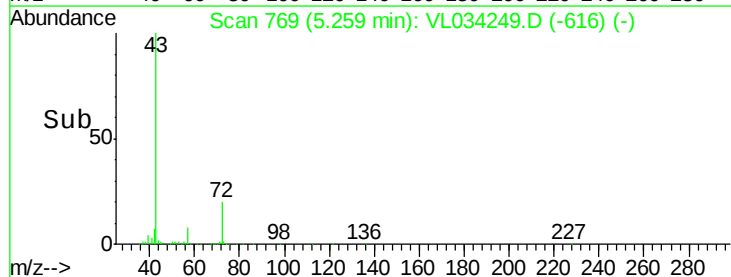
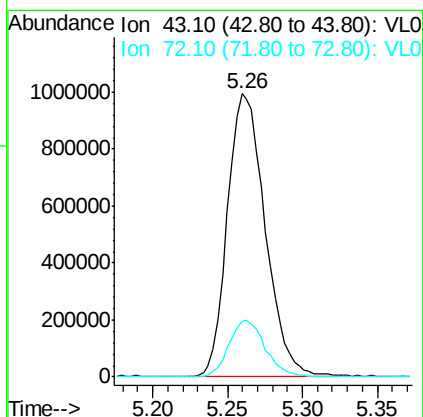
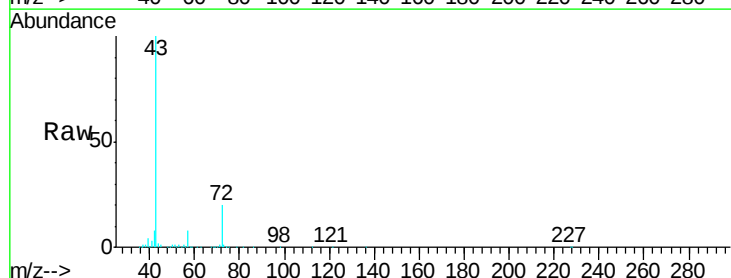
Manual Integrations
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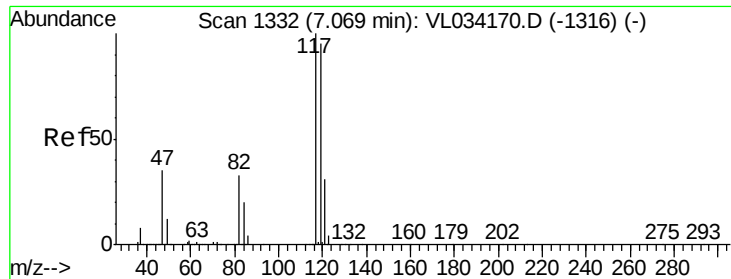
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#34
 2-Butanone
 Concen: 10.712 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion: 43 Resp: 1742444
 Ion Ratio Lower Upper
 43 100
 72 19.3 15.0 22.6





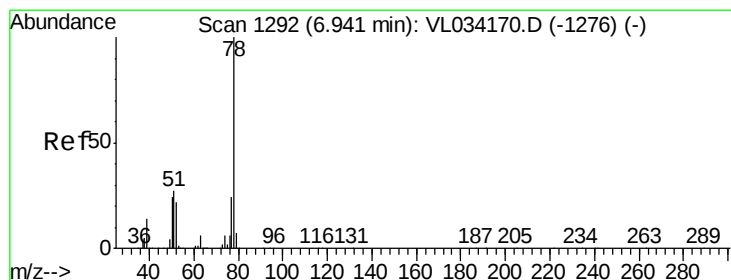
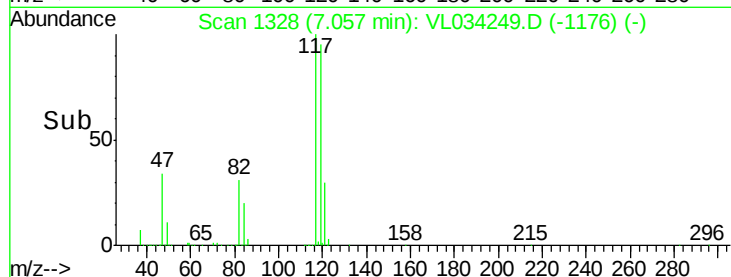
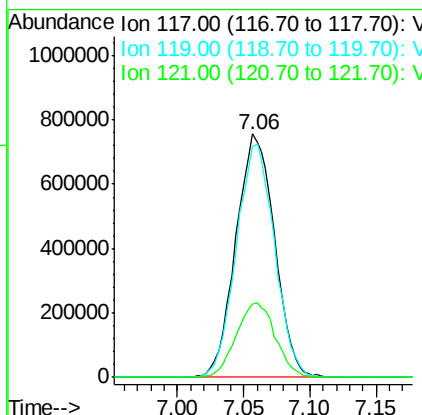
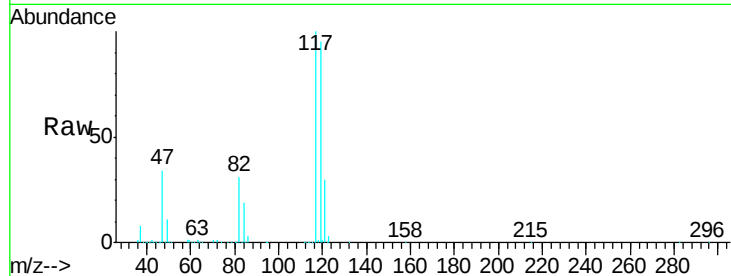
#35
Carbon Tetrachloride
Concen: 11.547 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 117 Resp: 1528201
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.6
121 30.1 25.0 37.6

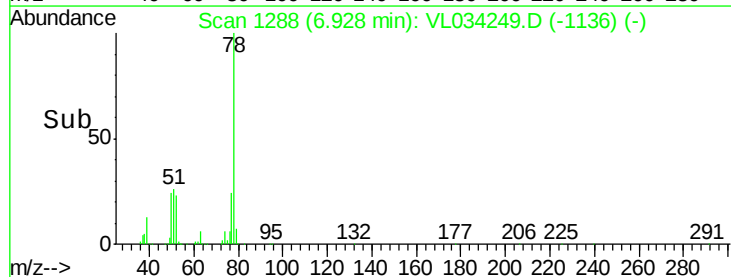
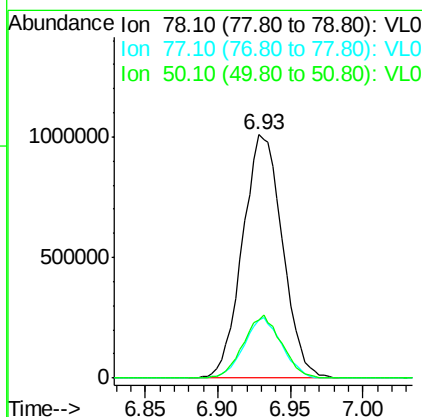
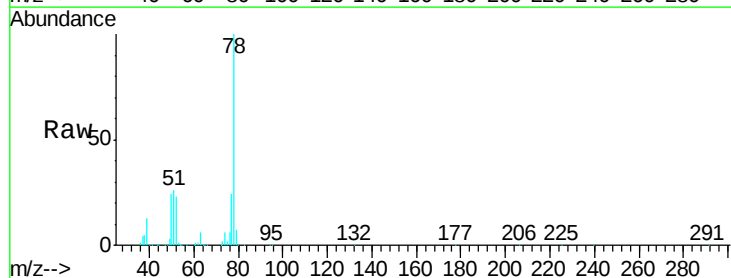
Manual Integrations
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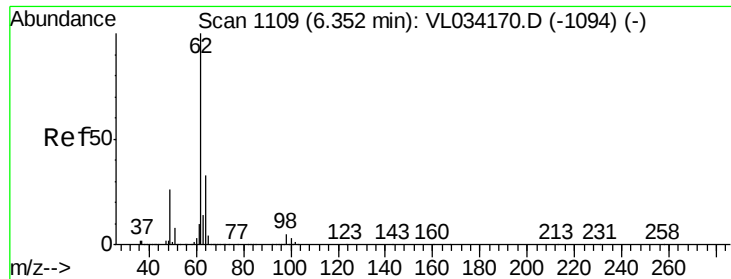
MMDadoda
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#36
Benzene
Concen: 10.997 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 78 Resp: 1934899
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4
50 23.9 18.9 28.3





#37

1,2-Dichloroethane

Concen: 11.551 ppbv

RT: 6.34 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 1445515

Ion Ratio Lower Upper

62 100

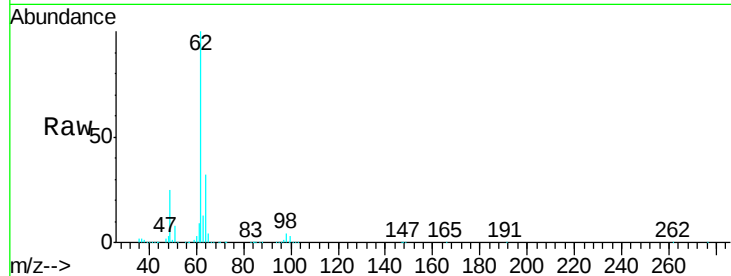
98 4.5 3.8 5.8

Manual Integrations

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MMDadoda

10/11/2019 5:06:31 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.34

800000

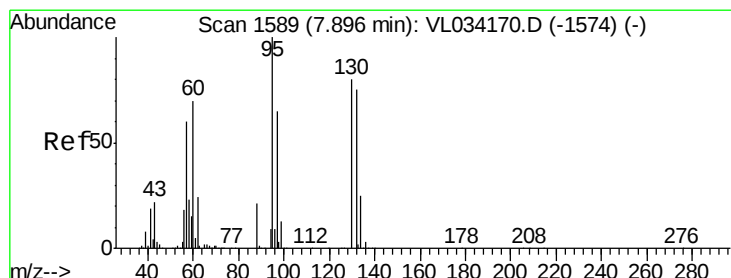
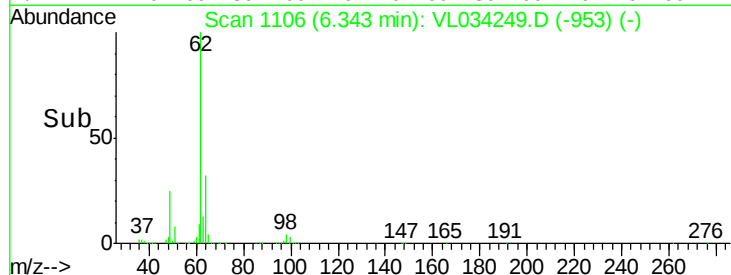
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.383 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion: 130 Resp: 652718

Ion Ratio Lower Upper

130 100

95 128.8 99.8 149.6

132 97.8 75.2 112.8

97 86.0 65.0 97.4

Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

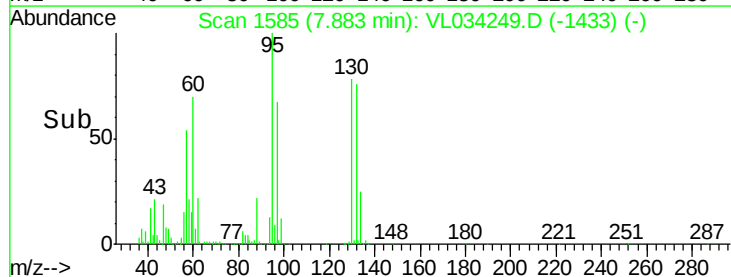
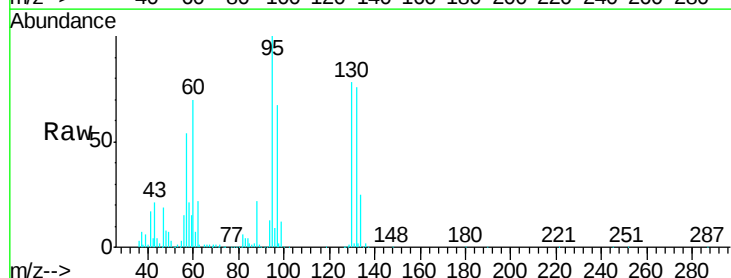
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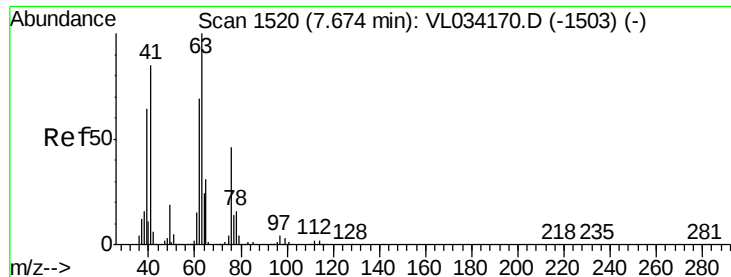
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200000

0

Time-->





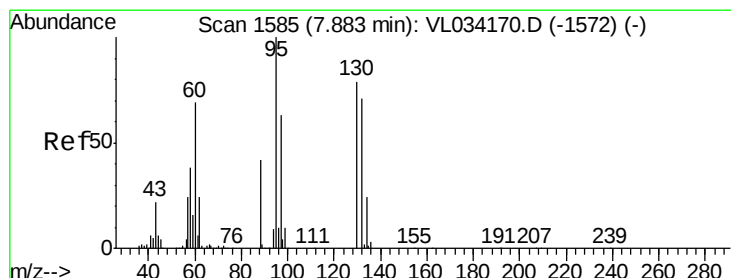
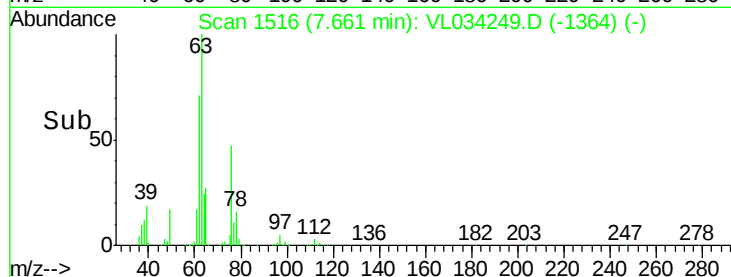
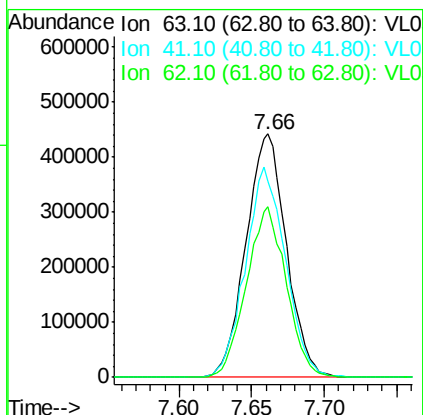
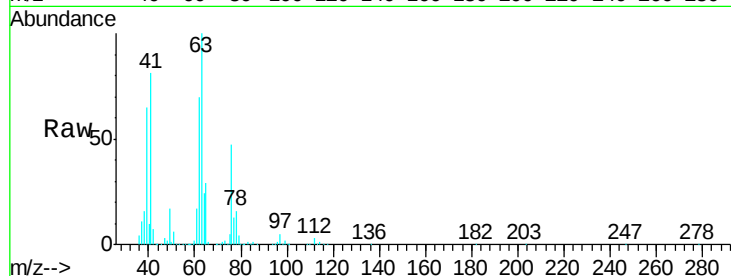
#39
 1,2-Dichloropropane
 Concen: 10.863 ppbv
 RT: 7.66 min Scan# 1516
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	80.7	68.4	102.6
62	70.1	55.4	83.2

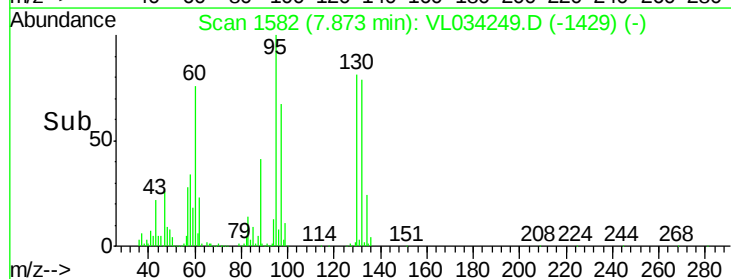
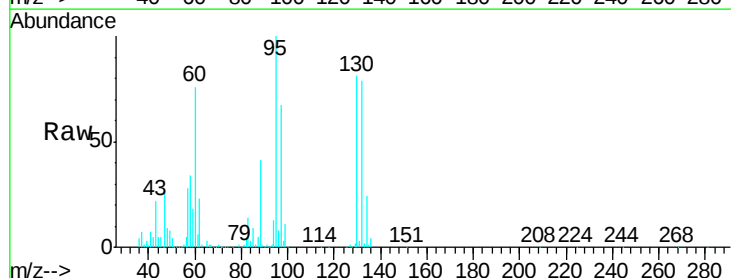
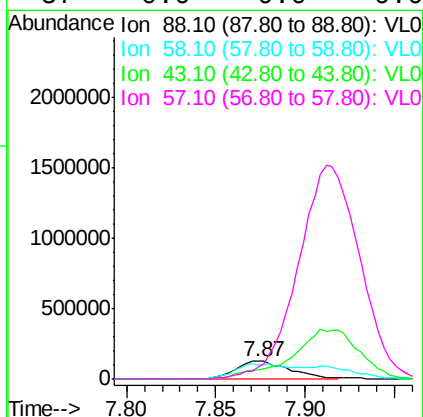
Manual Integrations
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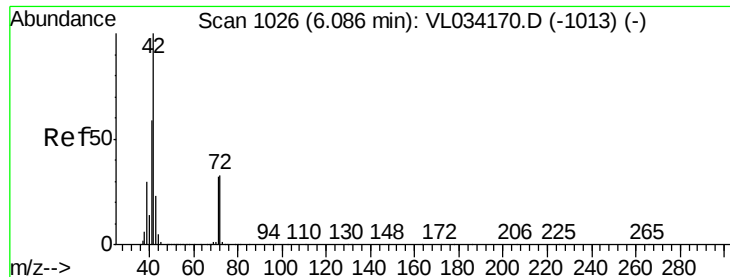
MMDadoda
 10/11/2019 5:06:31 PM



#40
 1,4-Dioxane
 Concen: 10.386 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	153.5	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





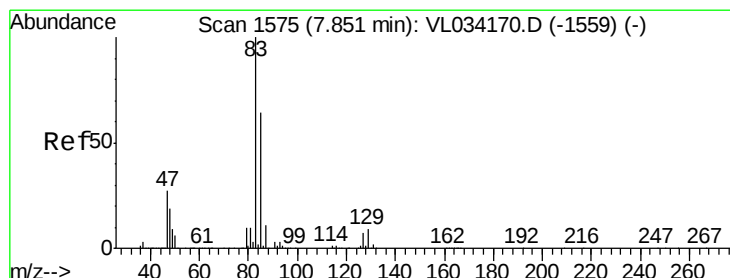
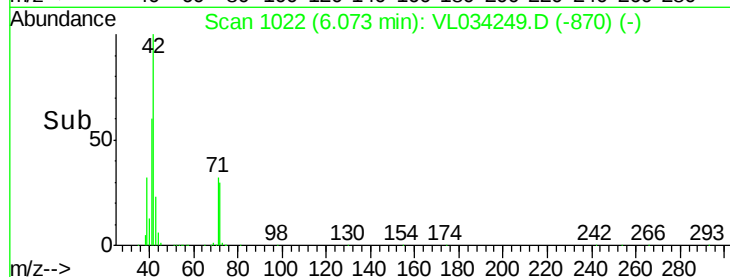
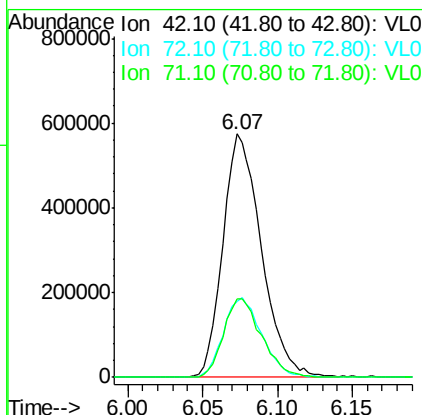
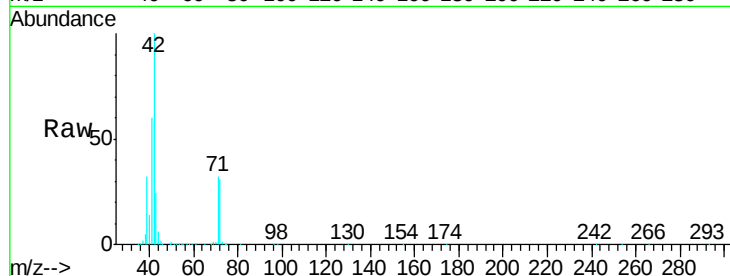
#41
Tetrahydrofuran
Concen: 11.195 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 1025618
Ion Ratio Lower Upper
42 100
72 32.9 26.6 40.0
71 32.3 25.1 37.7

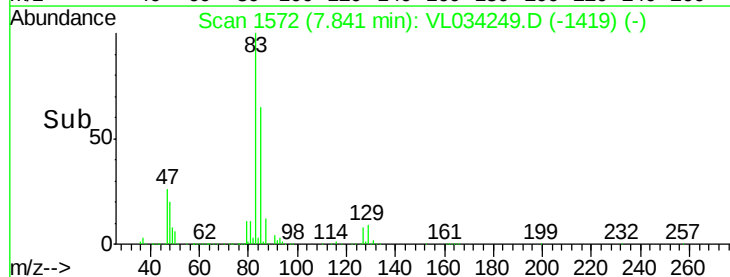
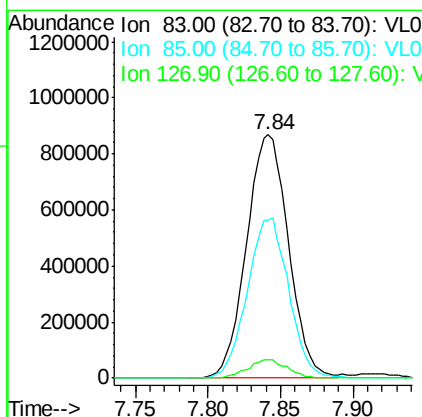
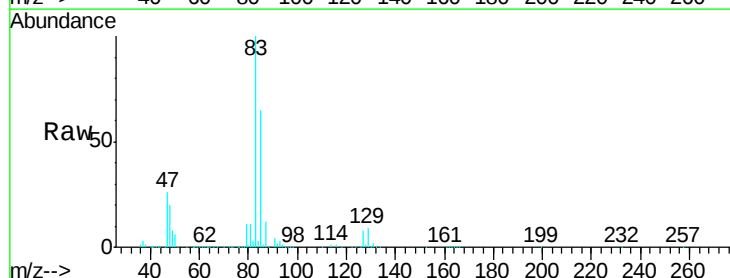
Manual Integrations
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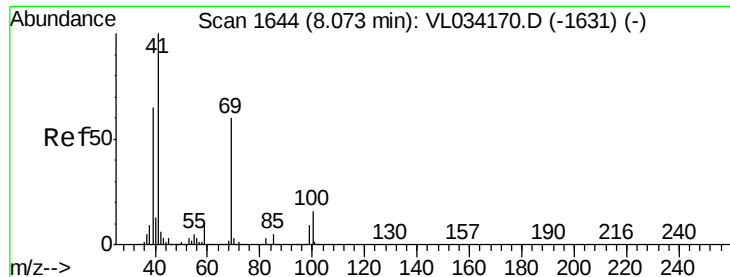
MMDadoda
10/11/2019 5:06:31 PM



#42
Bromodichloromethane
Concen: 11.648 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 83 Resp: 1749405
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 7.7 5.5 8.3





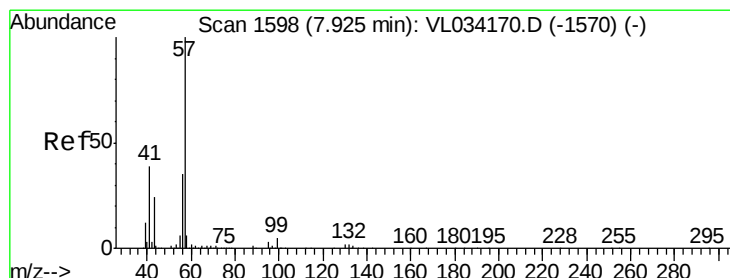
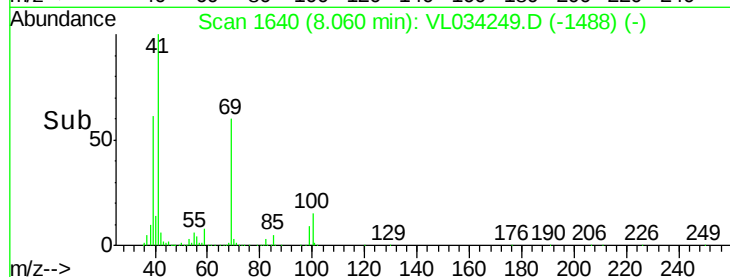
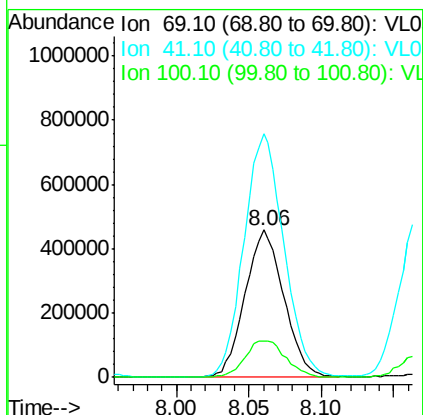
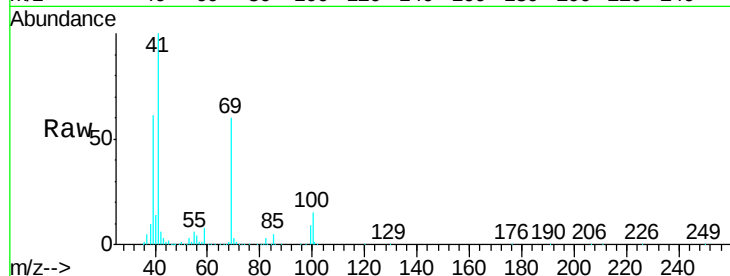
#43
Methyl Methacrylate
Concen: 11.789 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	169.9	140.4	210.6
100	26.1	21.9	32.9

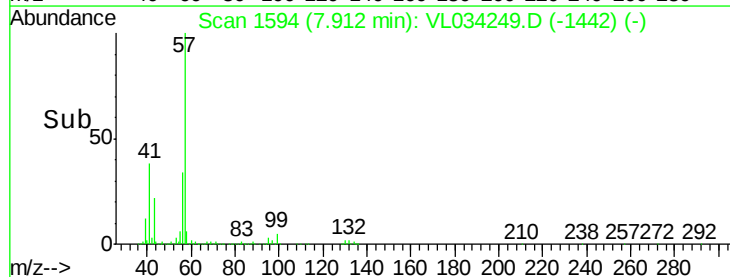
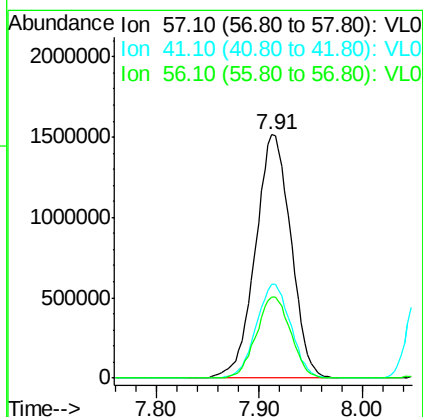
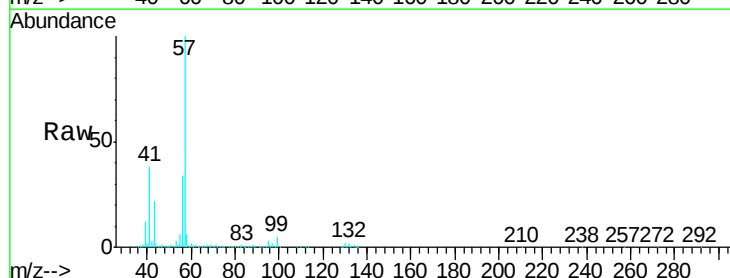
Manual Integrations
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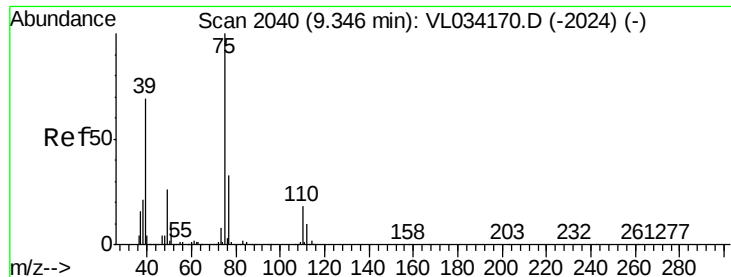
MMDadoda
10/11/2019 5:06:31 PM



#44
2,2,4-Trimethylpentane
Concen: 10.683 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.5	29.8	44.6
56	32.3	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 12.909 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 1109343

Ion Ratio Lower Upper

75 100

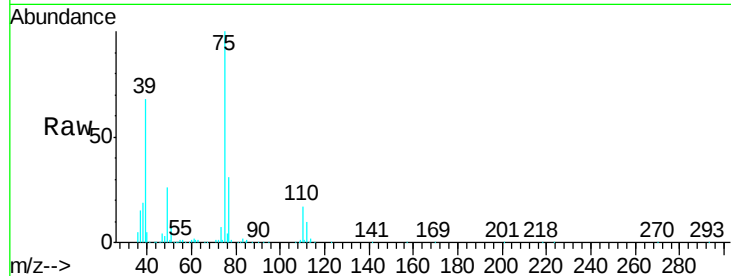
77 30.6 26.2 39.2

Manual Integrations

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10/11/2019 5:06:31 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.34

600000

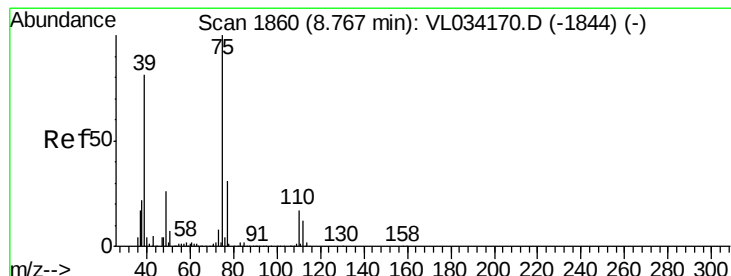
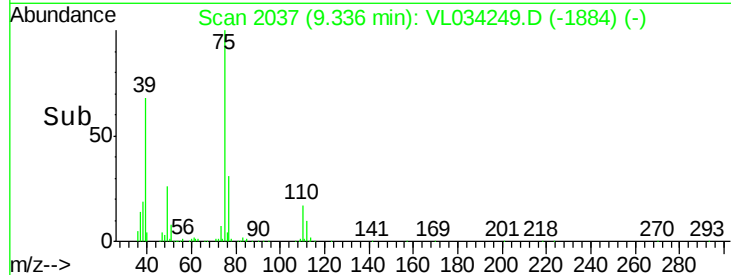
400000

200000

0

9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.238 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

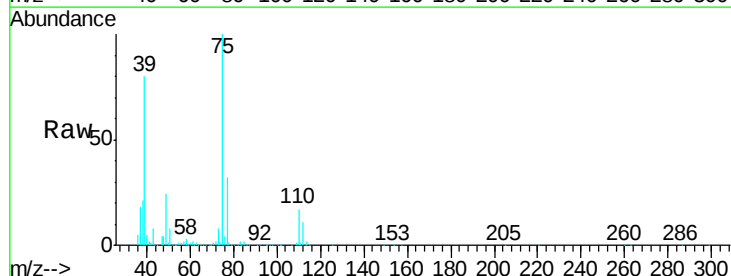
Tgt Ion: 75 Resp: 1265130

Ion Ratio Lower Upper

75 100

39 80.3 65.0 97.4

77 32.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

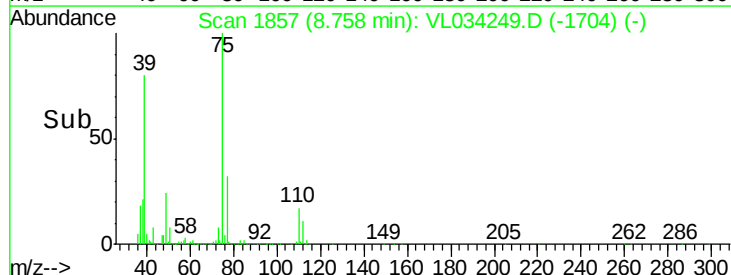
400000

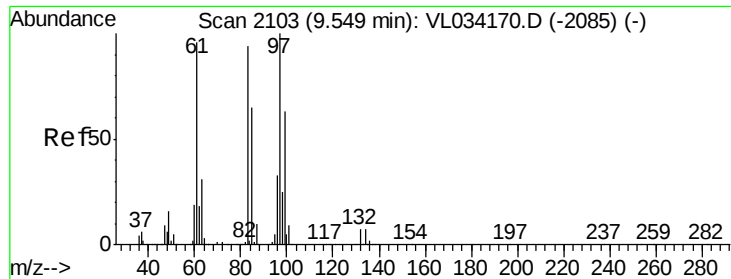
200000

0

8.70 8.75 8.80

Time-->





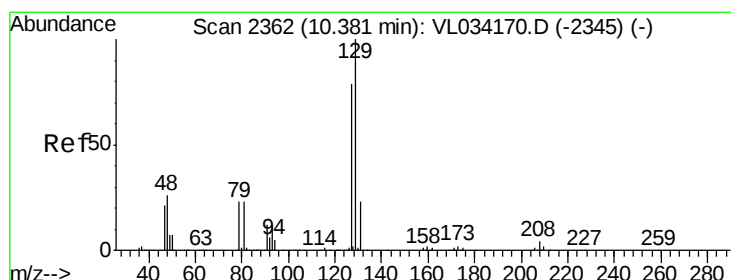
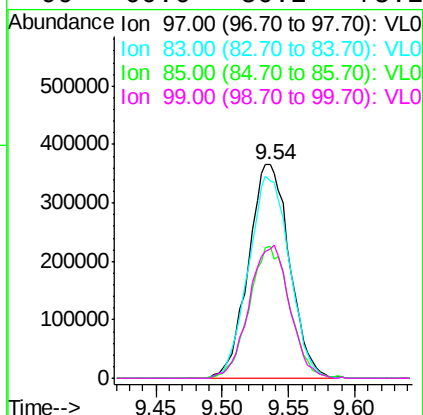
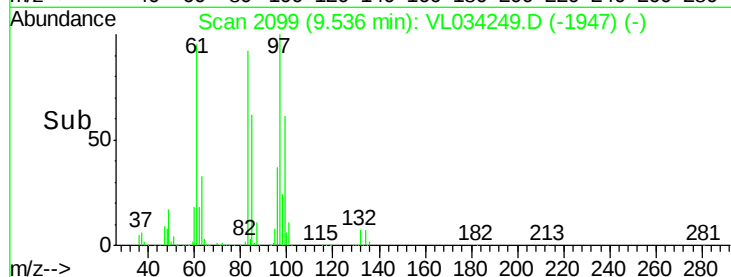
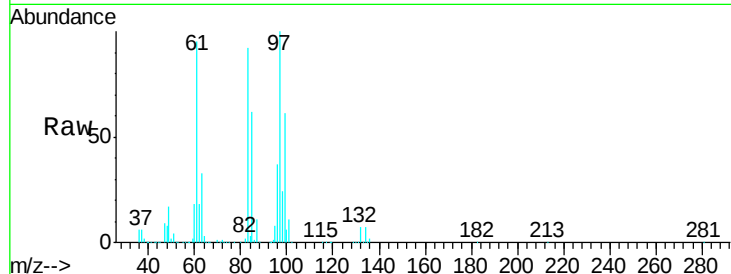
#47
 1,1,2-Trichloroethane
 Concen: 11.103 ppbv
 RT: 9.54 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.2	75.3	112.9
85	61.9	52.1	78.1
99	60.6	50.2	75.2

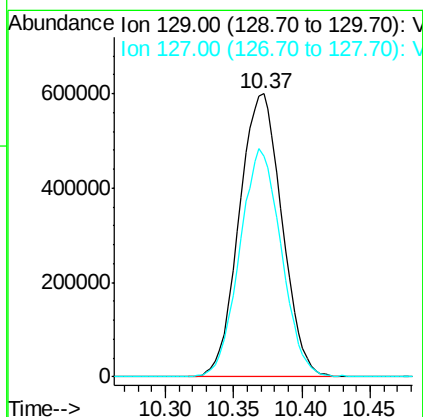
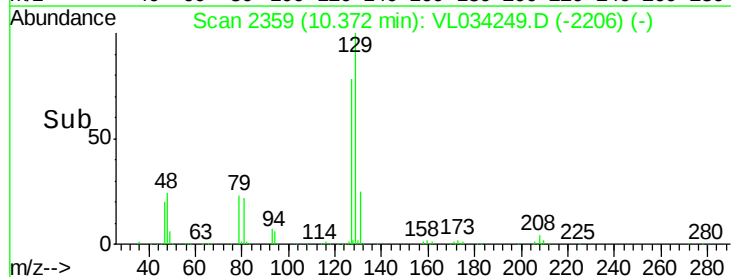
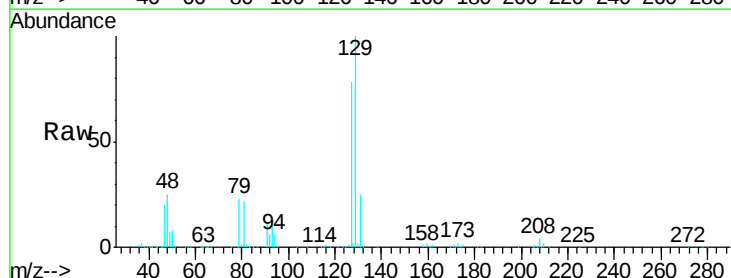
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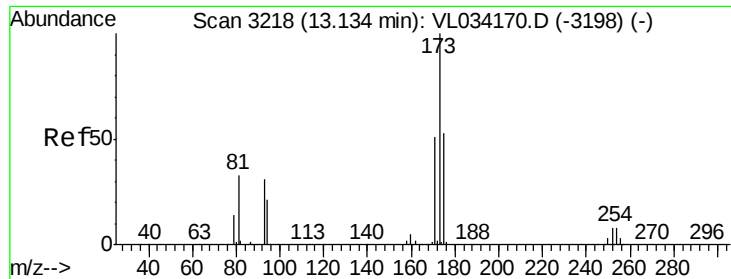
MMDadoda
 10/11/2019 5:06:31 PM



#48
 Dibromochloromethane
 Concen: 11.594 ppbv
 RT: 10.37 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.2	117.6





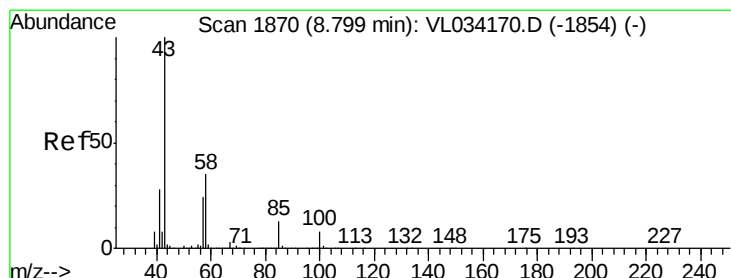
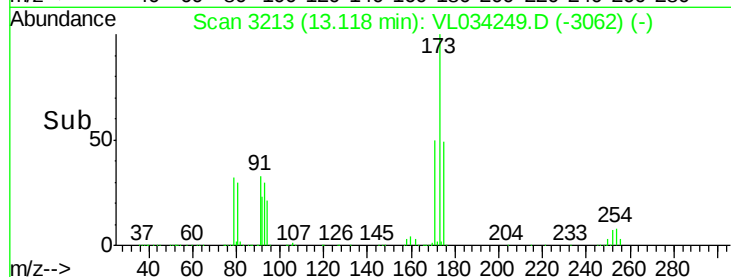
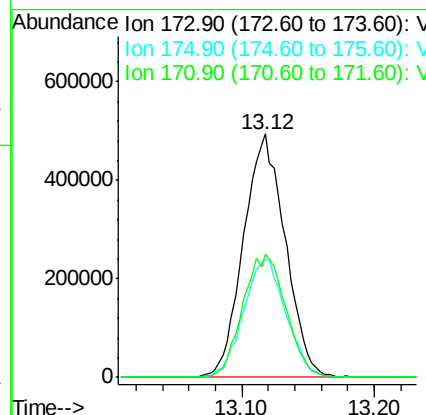
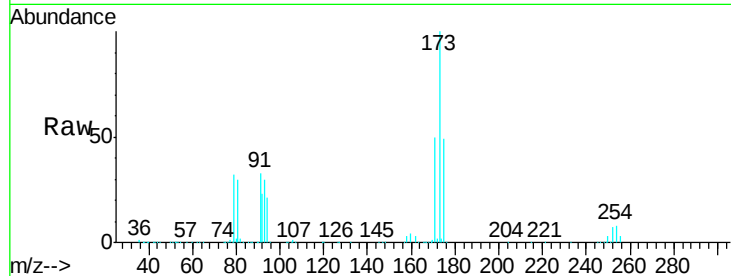
#49
Bromoform
Concen: 11.871 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1080849
Ion Ratio Lower Upper
173 100
175 49.4 40.3 60.5
171 52.6 42.0 63.0

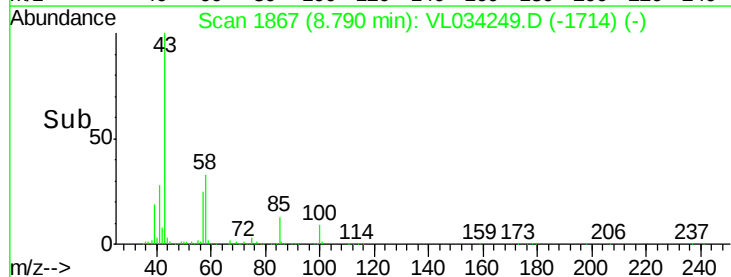
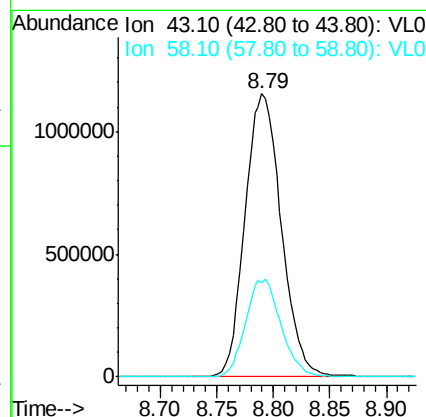
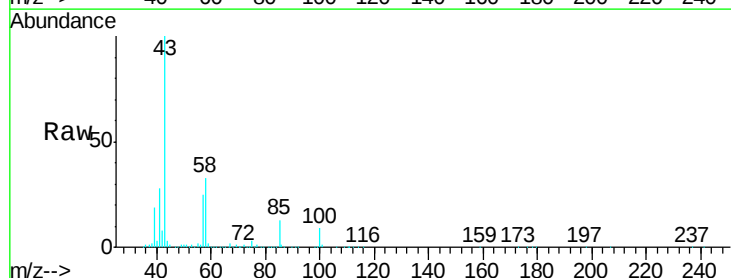
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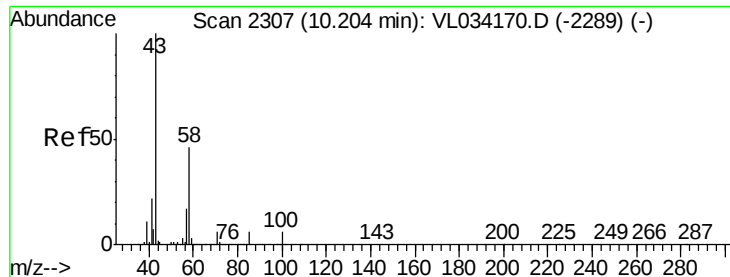
MMDadoda
10/11/2019 5:06:31 PM



#50
4-Methyl-2-Pentanone
Concen: 10.850 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 43 Resp: 2568485
Ion Ratio Lower Upper
43 100
58 33.9 27.6 41.4





#51

2-Hexanone

Concen: 10.889 ppbv

RT: 10.19 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2163274

Ion Ratio Lower Upper

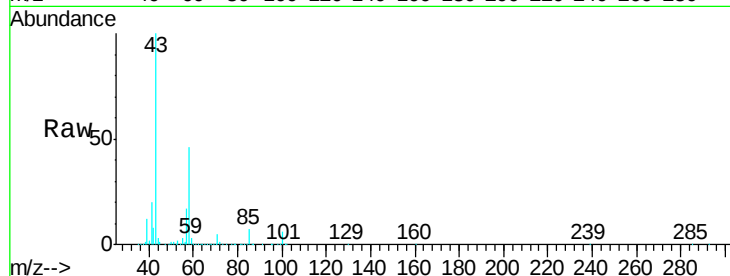
43 100

58 44.5 36.2 54.4

98 0.2 0.2 0.2

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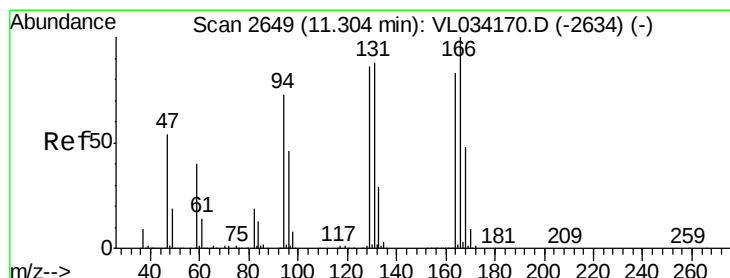
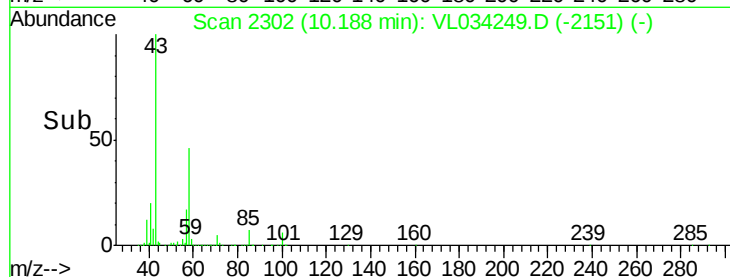
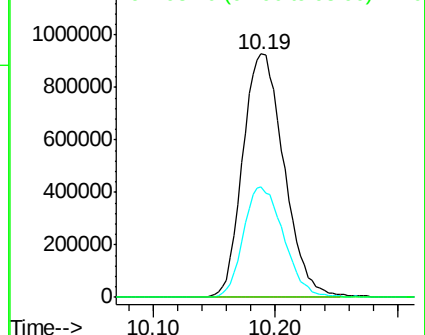


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.258 ppbv

RT: 11.29 min Scan# 2644

Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion: 164 Resp: 596297

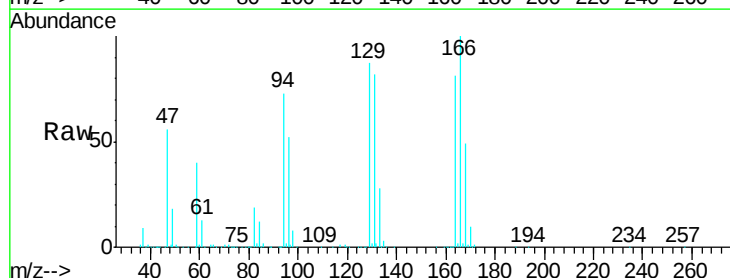
Ion Ratio Lower Upper

164 100

166 122.9 96.7 145.1

129 107.7 82.8 124.2

131 101.5 85.0 127.6



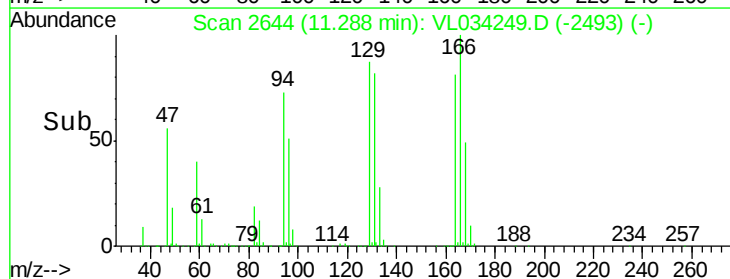
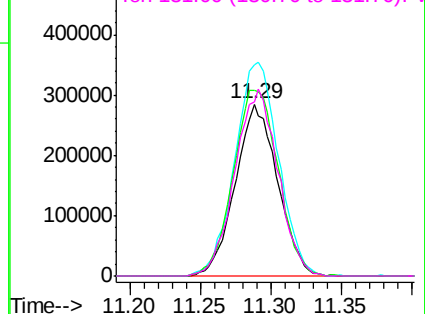
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.145 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2143119

Ion Ratio Lower Upper

91 100

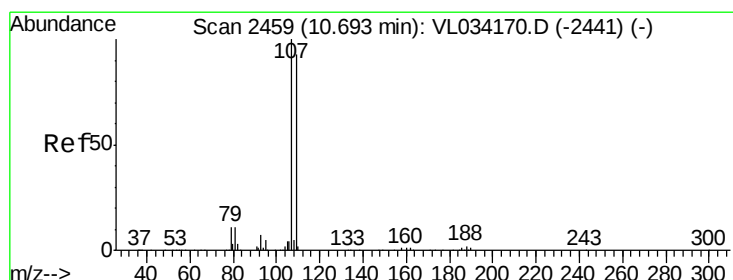
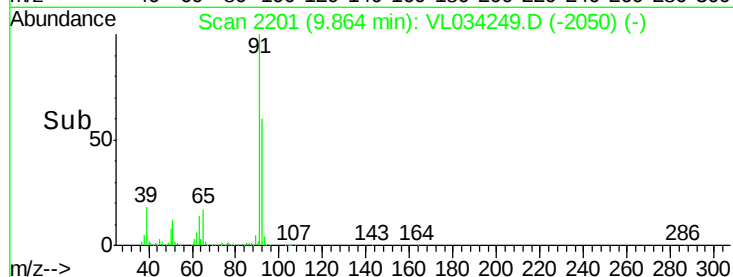
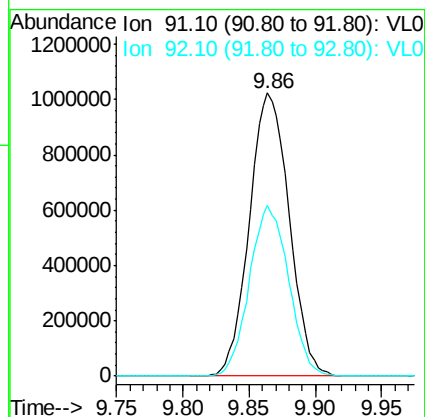
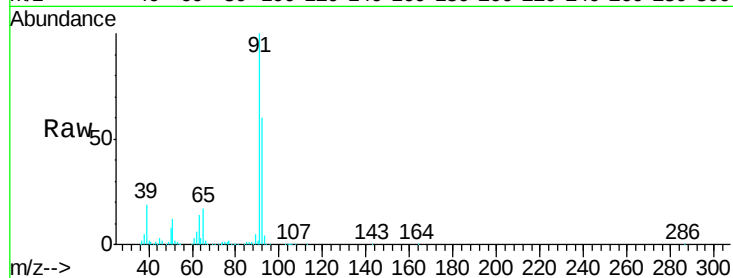
92 59.4 49.0 73.6

Manual Integrations

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10/11/2019 5:06:31 PM



#54

1,2-Dibromoethane

Concen: 11.075 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034249.D

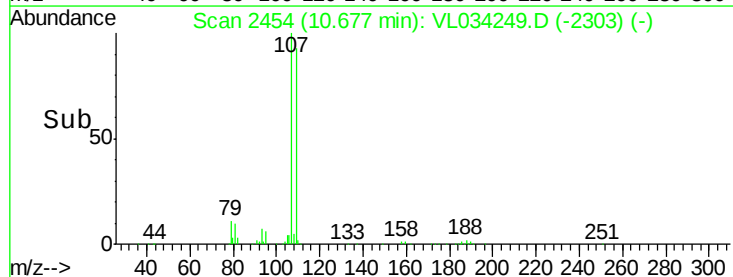
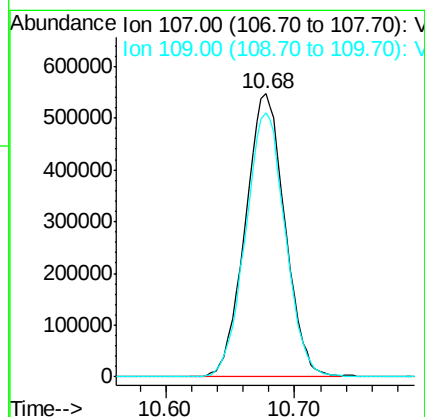
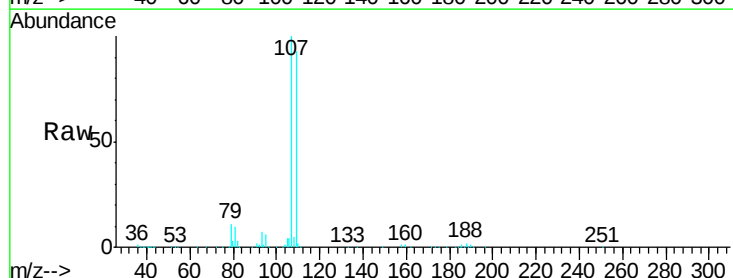
Acq: 8 Oct 2019 11:51

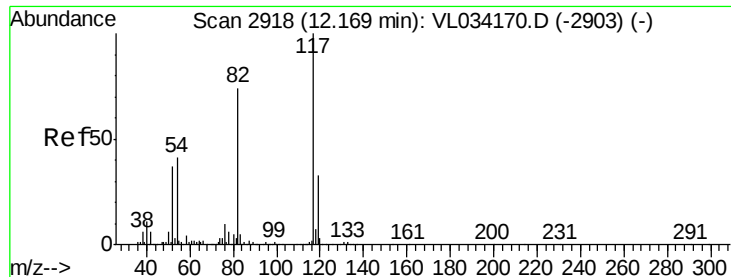
Tgt Ion: 107 Resp: 1169163

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7





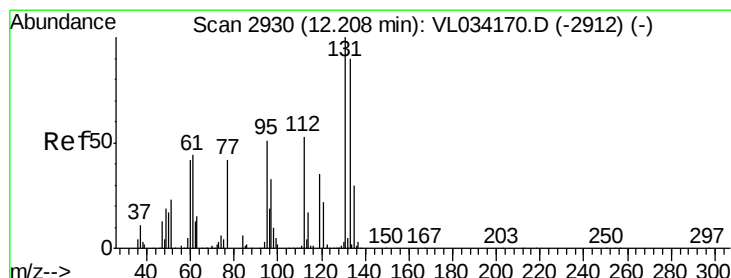
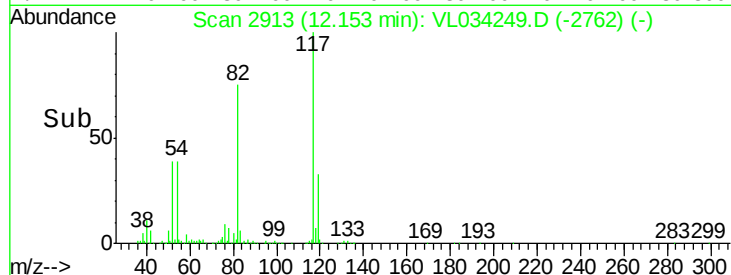
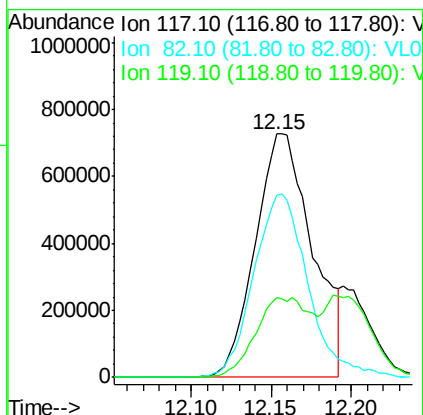
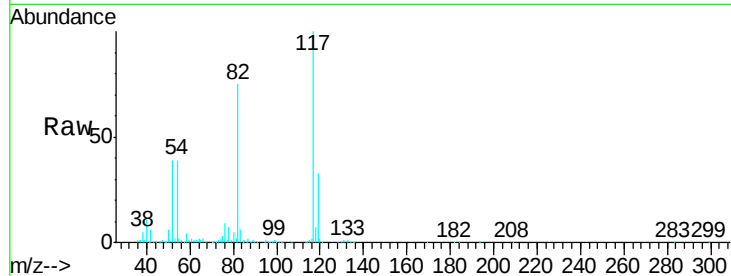
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1804136
Ion Ratio Lower Upper
117 100
82 71.3 58.2 87.4
119 31.7 23.7 35.5

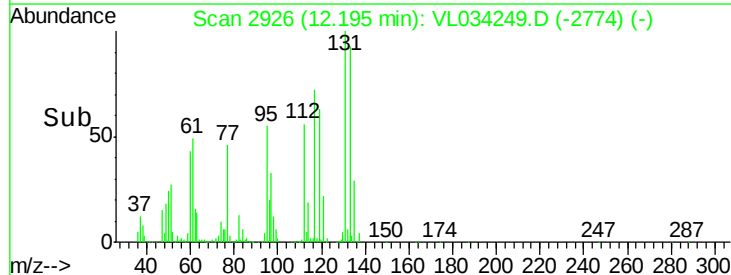
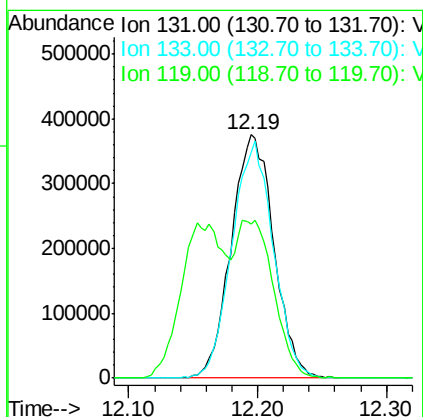
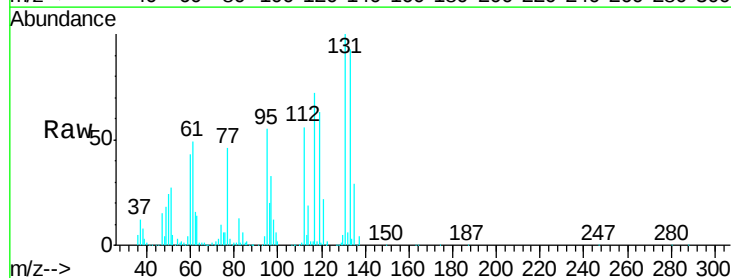
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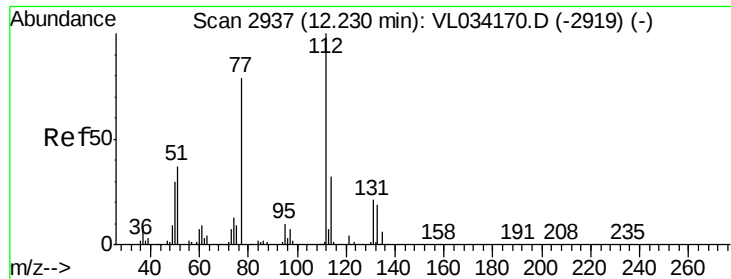
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.693 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion:131 Resp: 860310
Ion Ratio Lower Upper
131 100
133 94.9 75.1 112.7
119 62.1 47.4 71.0





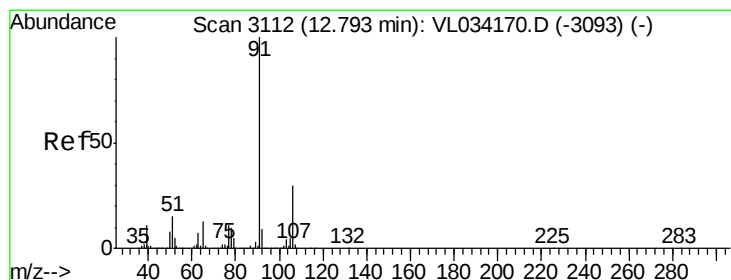
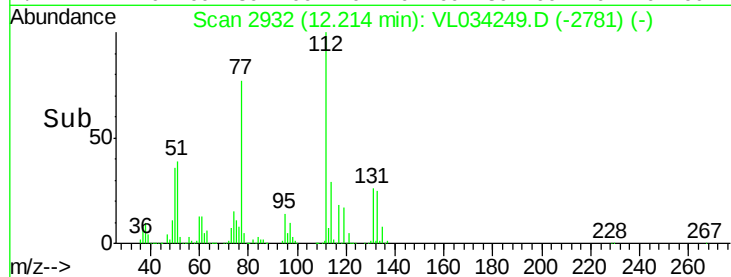
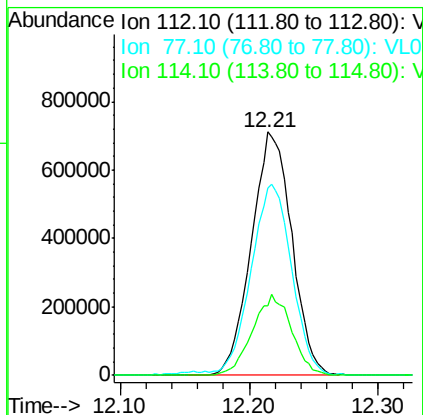
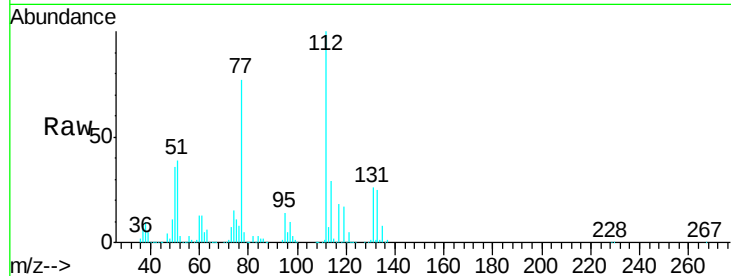
#57
Chlorobenzene
Concen: 9.895 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
112	100		
77	76.6	64.3	96.5
114	28.6	28.9	35.3#

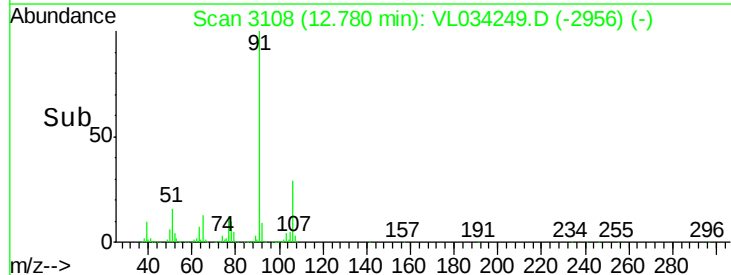
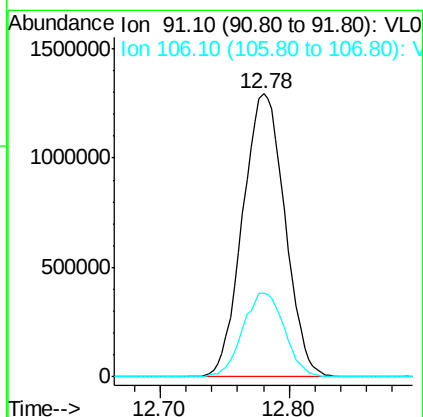
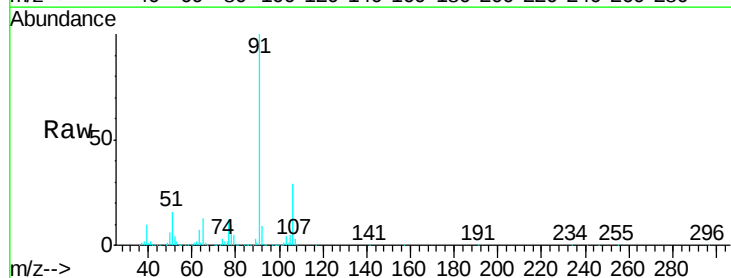
Manual Integrations
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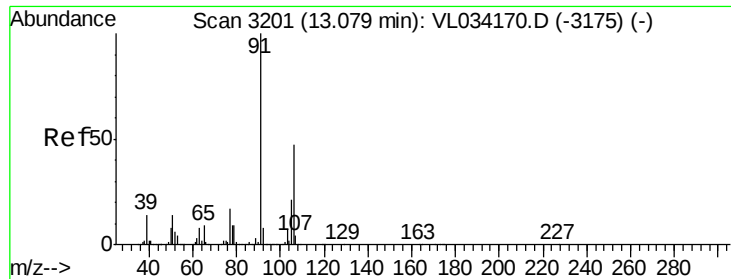
MMDadoda
10/11/2019 5:06:31 PM



#58
Ethyl Benzene
Concen: 10.136 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4





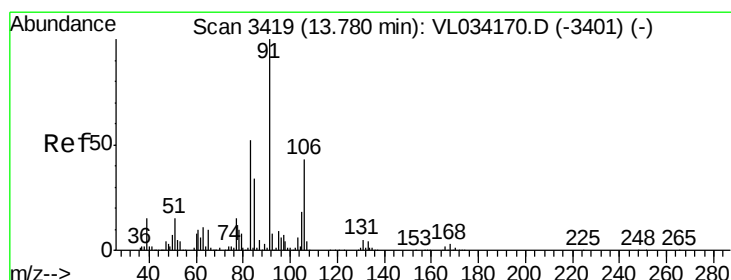
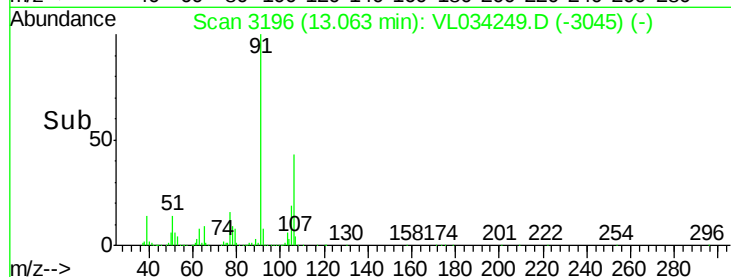
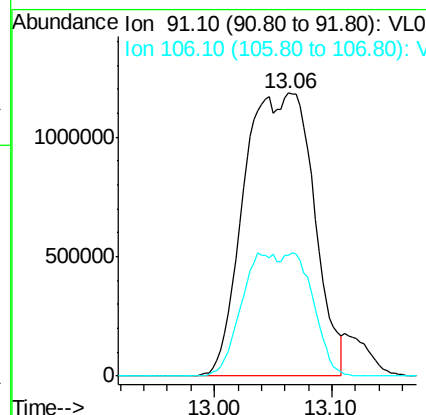
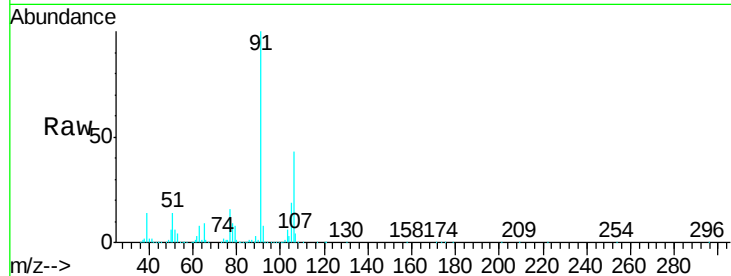
#59
m/p-Xylene
Concen: 20.184 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4866710
Ion Ratio Lower Upper
91 100
106 42.6 35.5 53.3

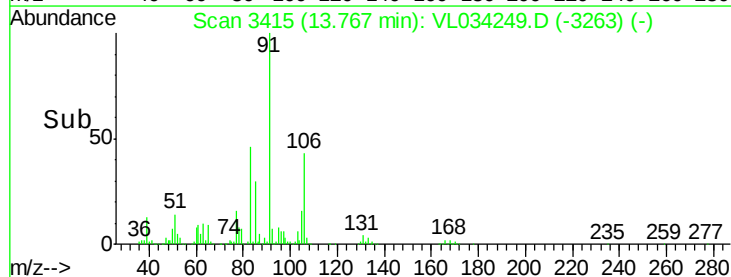
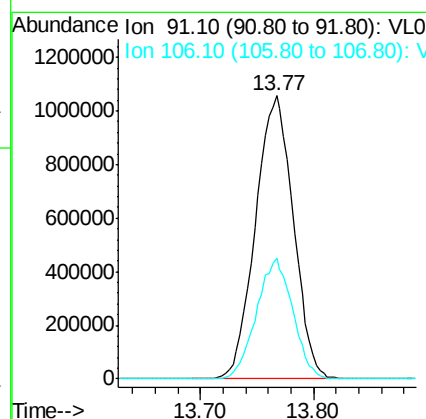
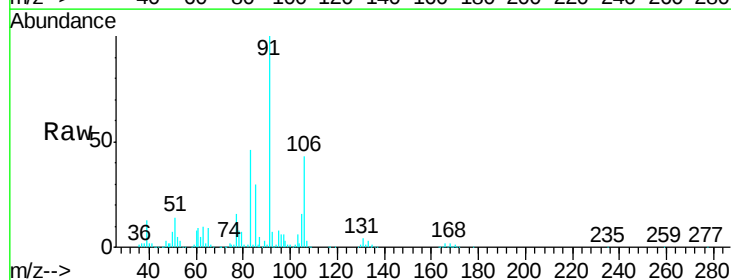
Manual Integrations
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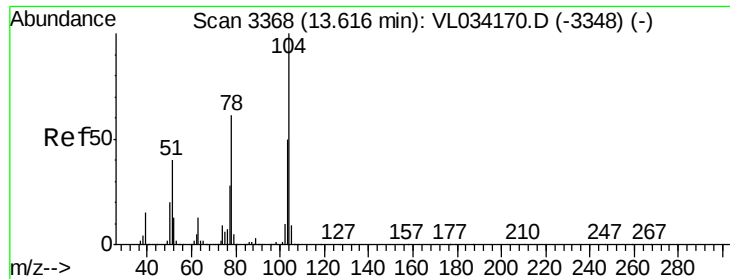
MMDadoda
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#60
o-Xylene
Concen: 10.168 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 91 Resp: 2451472
Ion Ratio Lower Upper
91 100
106 40.8 21.2 63.6





#61

Styrene

Concen: 10.275 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 1774467

Ion Ratio Lower Upper

104 100

78 62.4 49.7 74.5

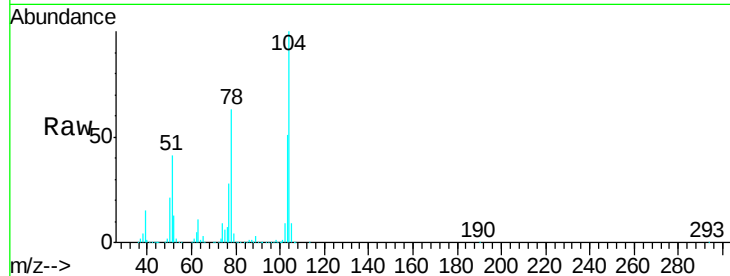
103 48.2 38.4 57.6

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1000000

800000

600000

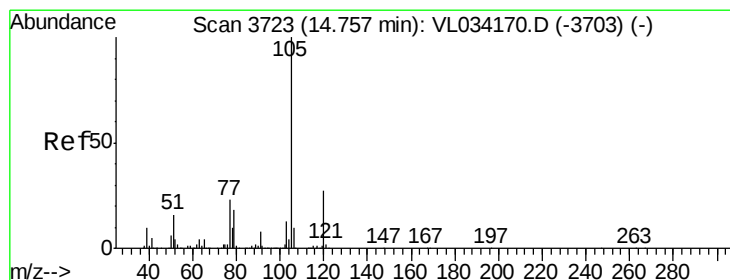
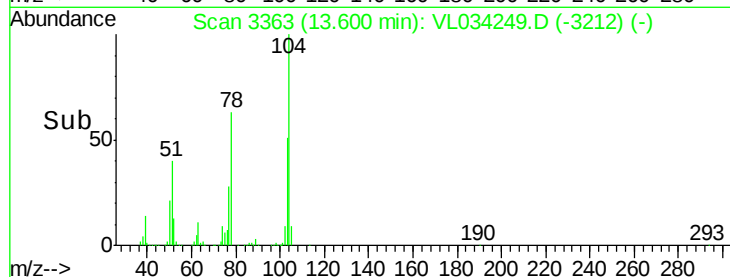
400000

200000

0

13.50 13.60 13.70

Time-->



#62

Isopropylbenzene

Concen: 10.003 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. -0.02 min

Lab File: VL034249.D

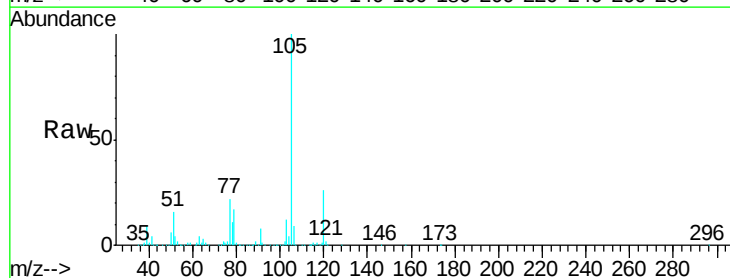
Acq: 8 Oct 2019 11:51

Tgt Ion:105 Resp: 3122062

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

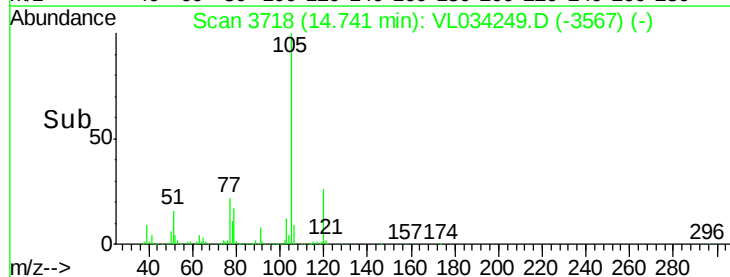
1000000

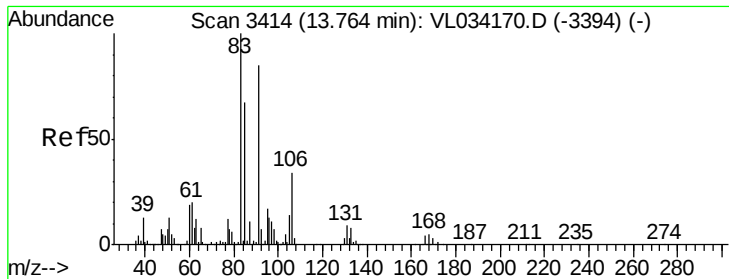
500000

0

14.70 14.74 14.80

Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 8.915 ppbv

RT: 13.75 min Scan# 3411

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

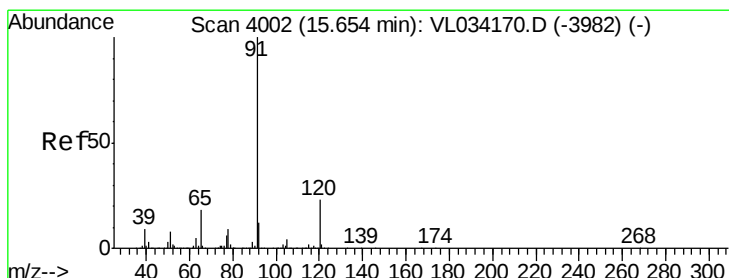
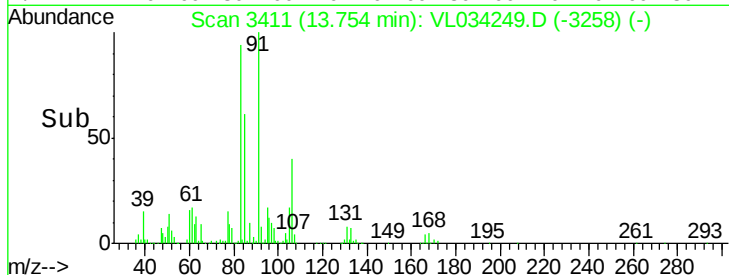
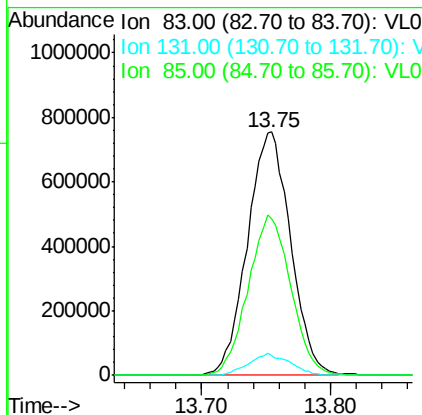
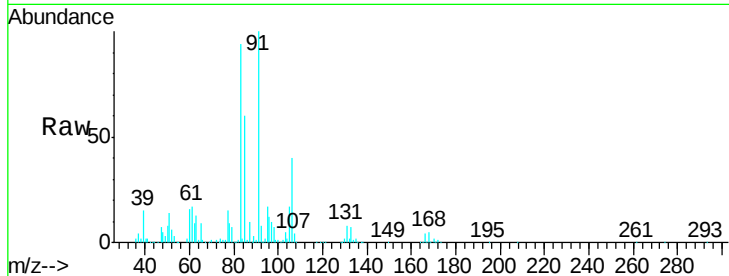
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	83	Resp:	1762467
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	65.2	32.8	98.4

Manual Integrations
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#64

n-propylbenzene

Concen: 10.054 ppbv

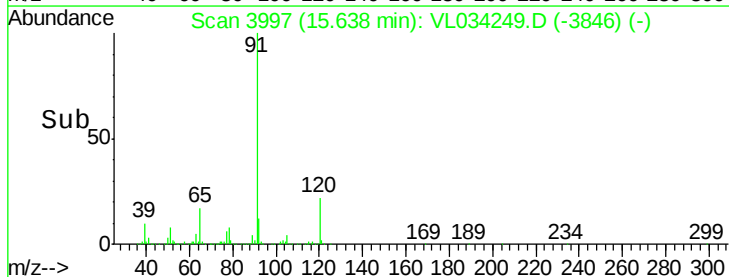
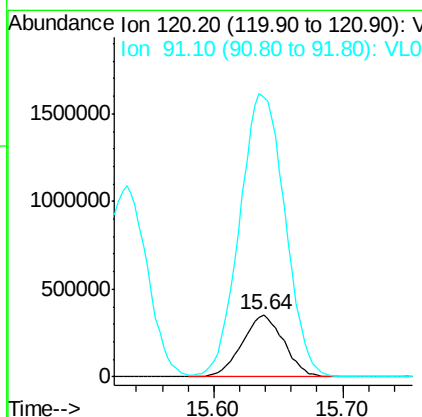
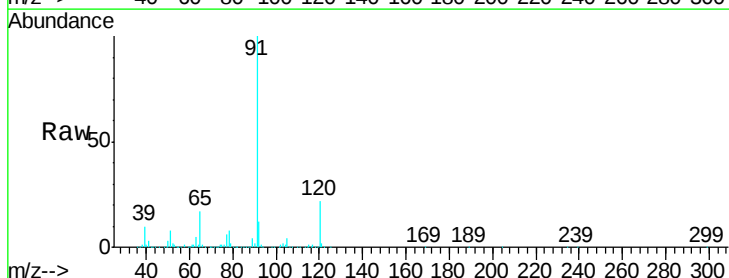
RT: 15.64 min Scan# 3997

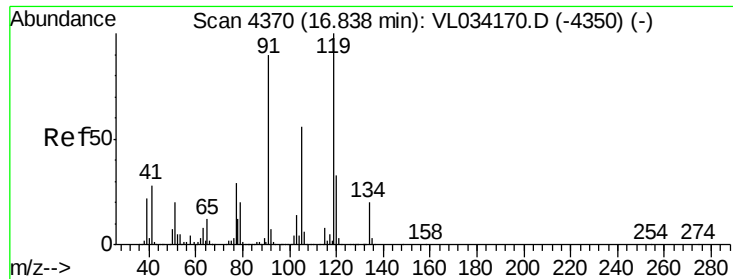
Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion:	120	Resp:	793849
Ion	Ratio	Lower	Upper
120	100		
91	500.0	378.2	567.2





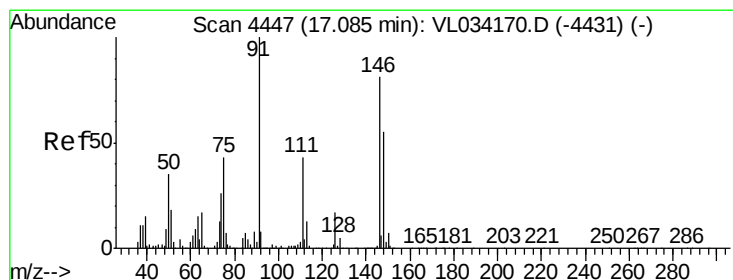
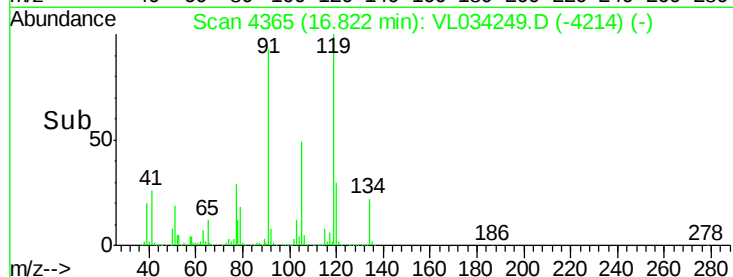
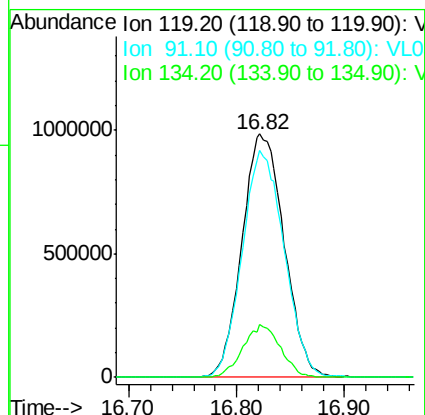
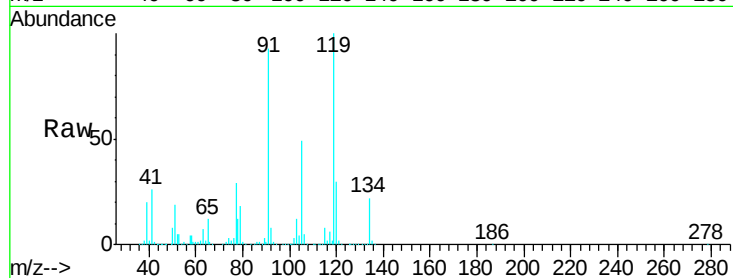
#65
tert-Butylbenzene
Concen: 9.786 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2668606
Ion Ratio Lower Upper
119 100
91 93.1 74.9 112.3
134 19.3 15.8 23.6

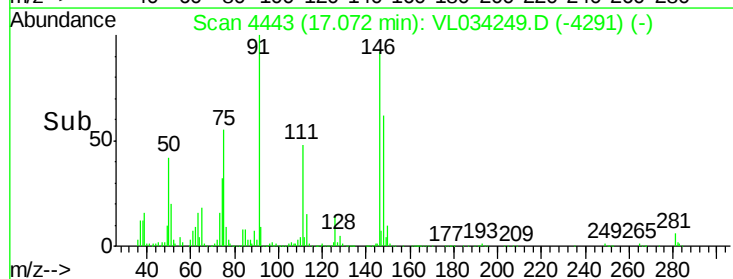
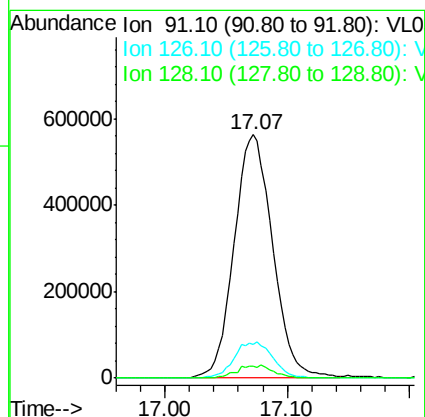
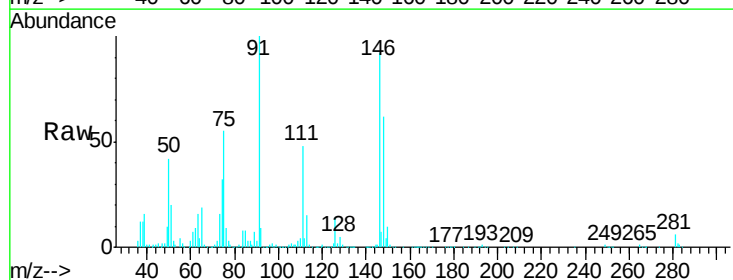
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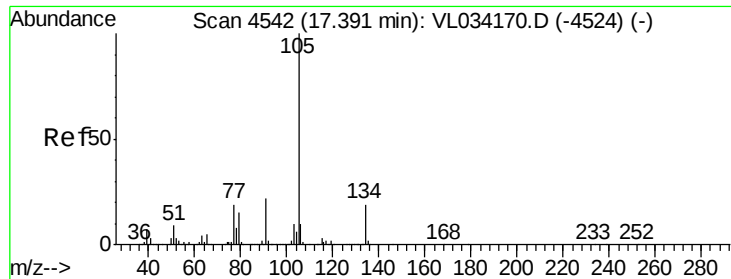
MMDadoda
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#66
Benzyl Chloride
Concen: 12.648 ppbv
RT: 17.07 min Scan# 4443
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 91 Resp: 1220289
Ion Ratio Lower Upper
91 100
126 15.1 12.6 19.0
128 5.0 4.0 6.0





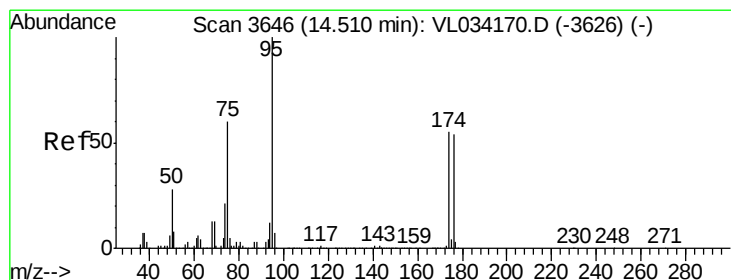
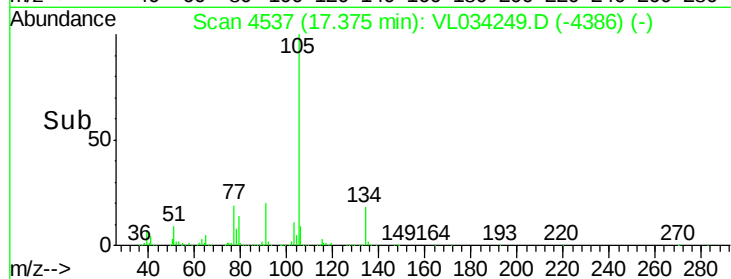
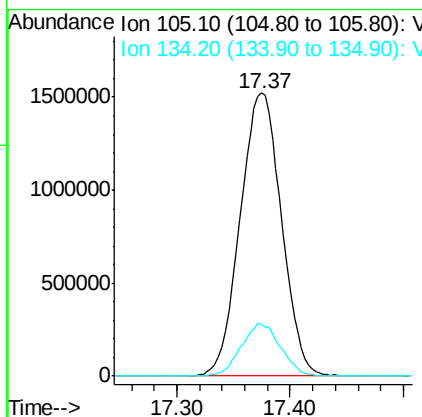
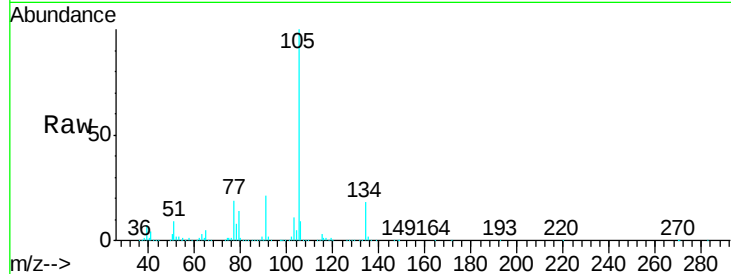
#67
 sec-Butylbenzene
 Concen: 9.874 ppbv
 RT: 17.37 min Scan# 4537
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 3850511
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 22.0

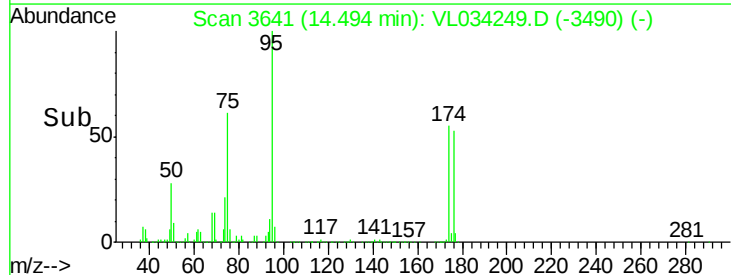
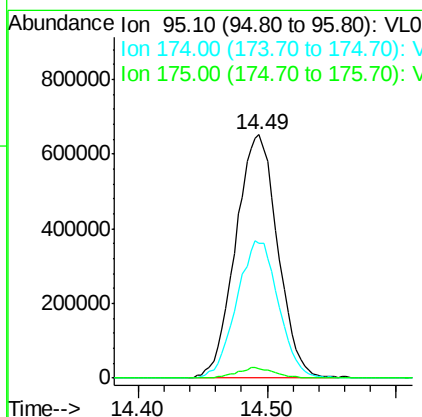
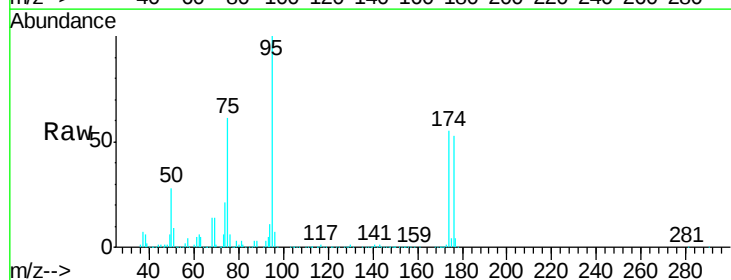
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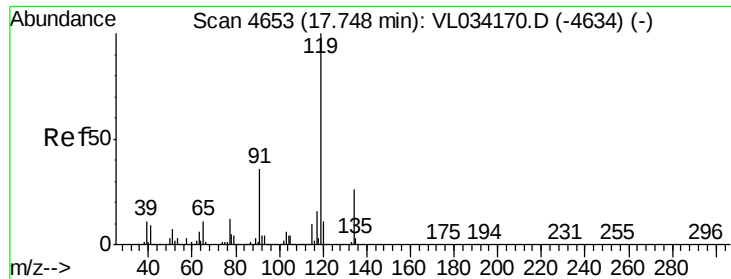
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.403 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion: 95 Resp: 1474034
 Ion Ratio Lower Upper
 95 100
 174 56.4 45.1 67.7
 175 4.0 3.3 4.9





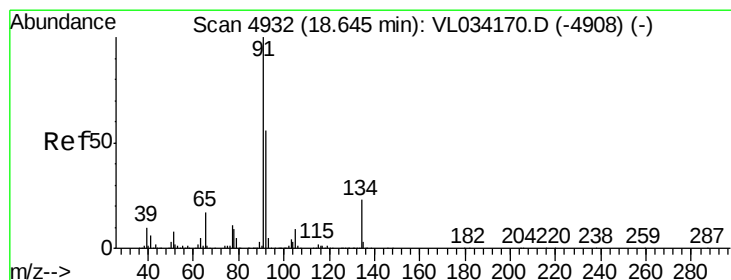
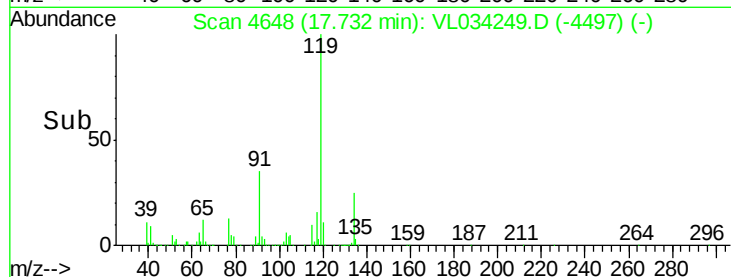
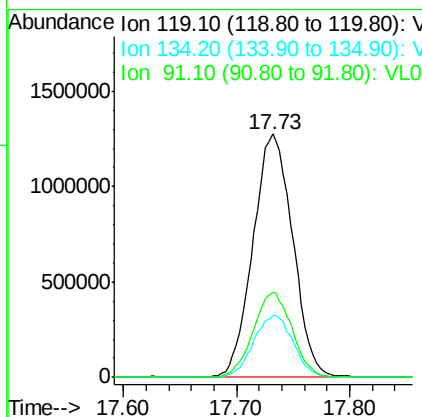
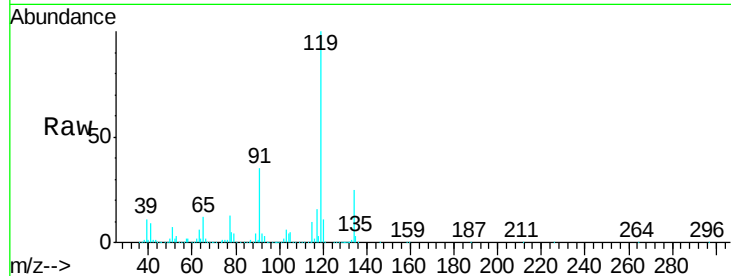
#69
p-Isopropyltoluene
Concen: 9.847 ppbv
RT: 17.73 min Scan# 4648
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 3109463
Ion Ratio Lower Upper
119 100
134 25.3 20.6 30.8
91 34.3 27.6 41.4

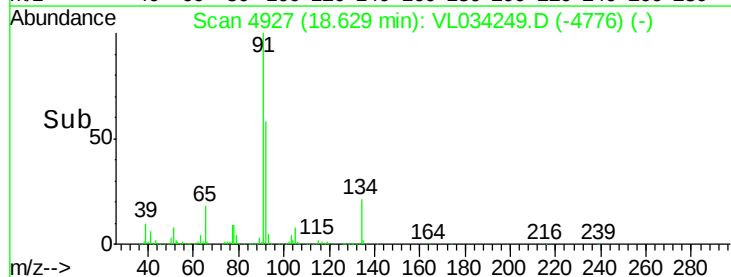
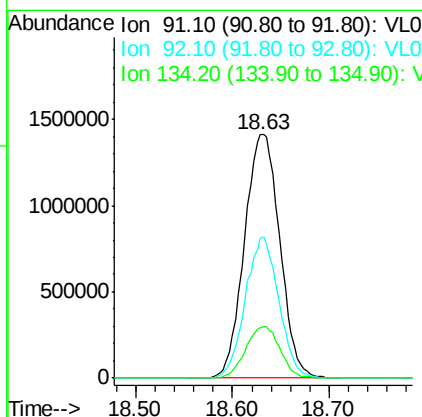
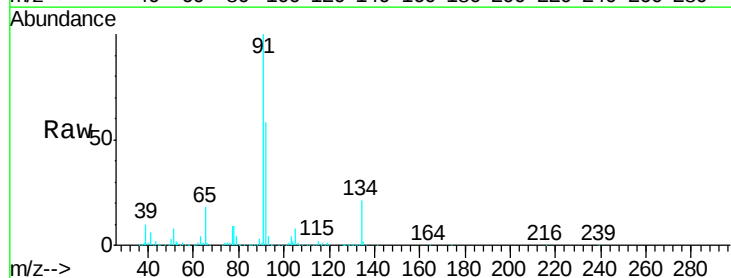
Manual Integrations
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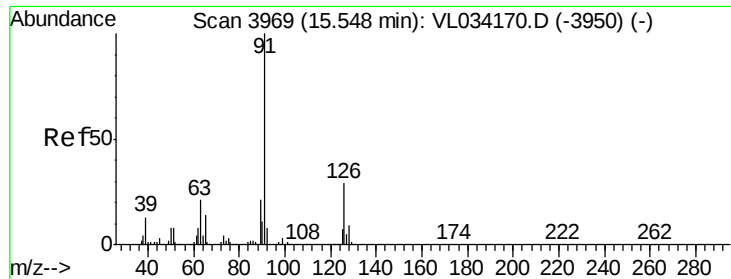
MMDadoda
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#70
n-Butylbenzene
Concen: 9.739 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion: 91 Resp: 3580673
Ion Ratio Lower Upper
91 100
92 54.9 44.8 67.2
134 20.6 17.3 25.9





#71

2-Chlorotoluene

Concen: 9.973 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2543269

Ion Ratio Lower Upper

91 100

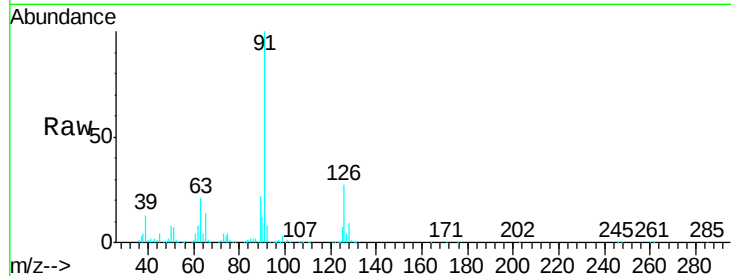
126 27.9 11.2 45.0

Manual Integrations

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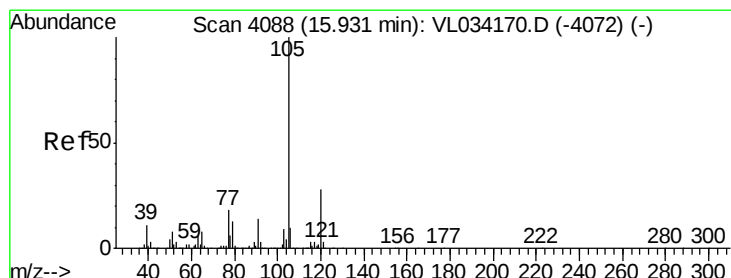
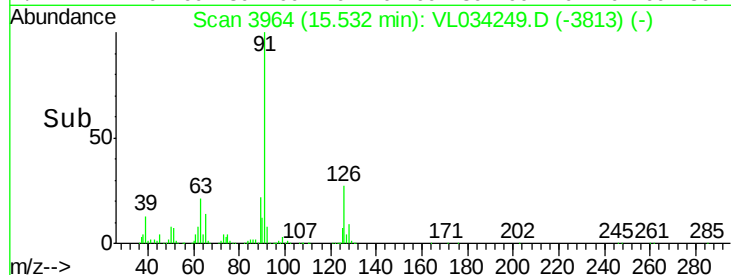
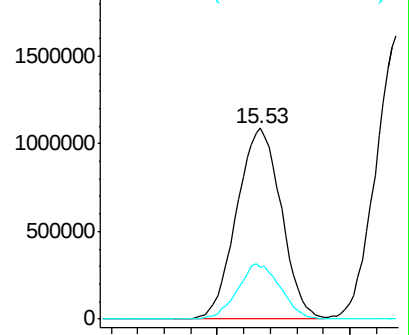
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.091 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion: 105 Resp: 2748812

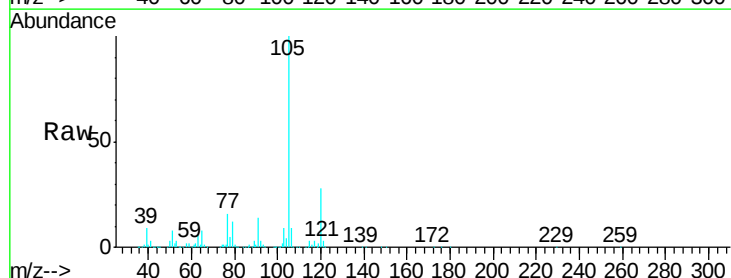
Ion Ratio Lower Upper

105 100

120 28.3 23.3 34.9

91 14.3 11.4 17.2

77 16.6 13.3 19.9

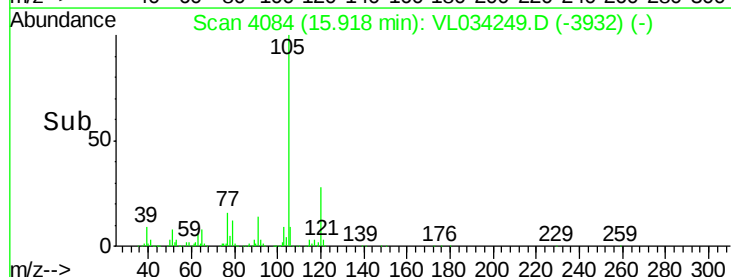
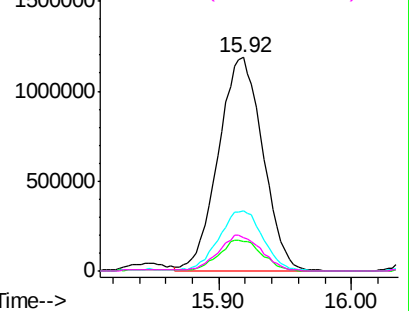


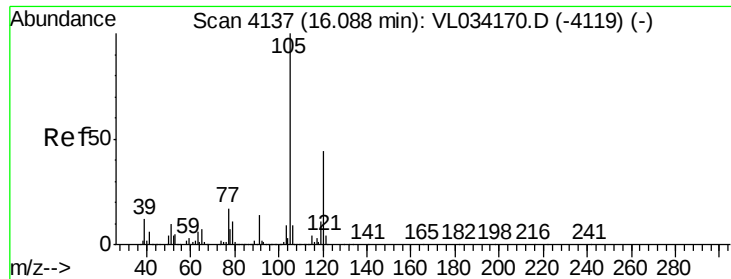
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.022 ppbv

RT: 16.08 min Scan# 4133

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2637280

Ion Ratio Lower Upper

105 100

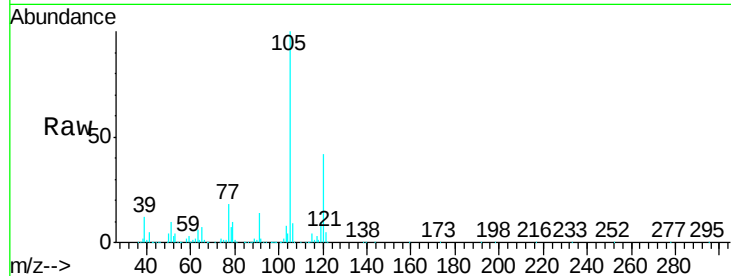
120 42.1 35.6 53.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

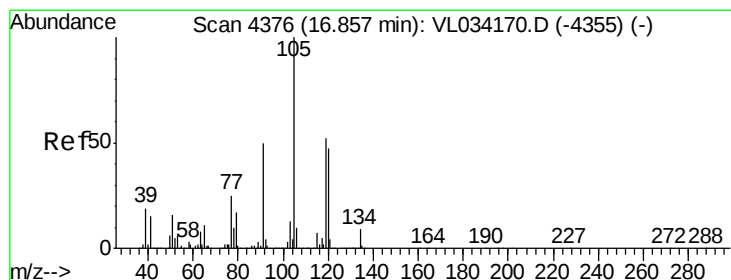
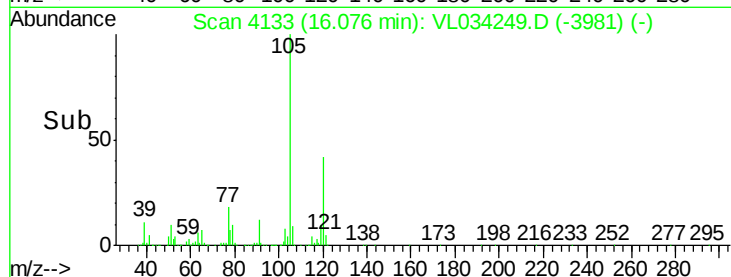
400000

200000

0

16.00 16.05 16.10 16.15

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.569 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034249.D

Acq: 8 Oct 2019 11:51

Tgt Ion:105 Resp: 2673619

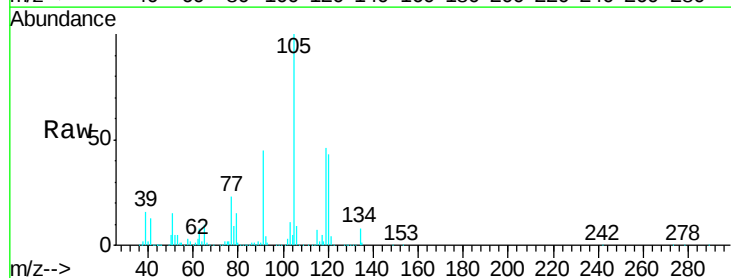
Ion Ratio Lower Upper

105 100

120 43.3 37.5 56.3

91 45.3 41.1 61.7

77 22.7 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

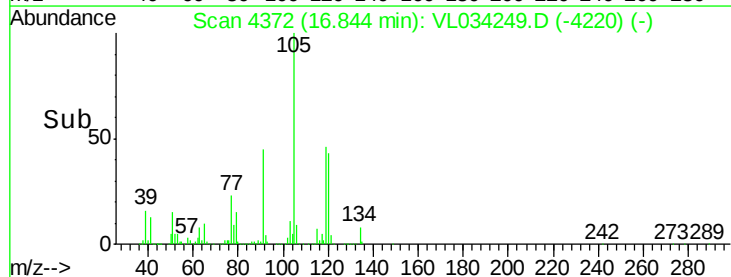
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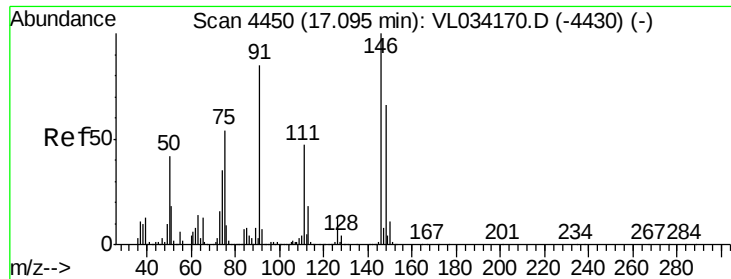
500000

0

16.80 16.90

Time-->





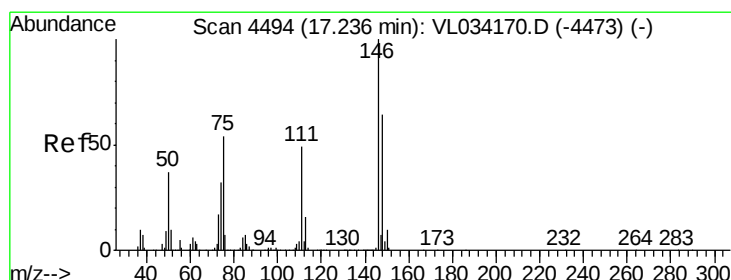
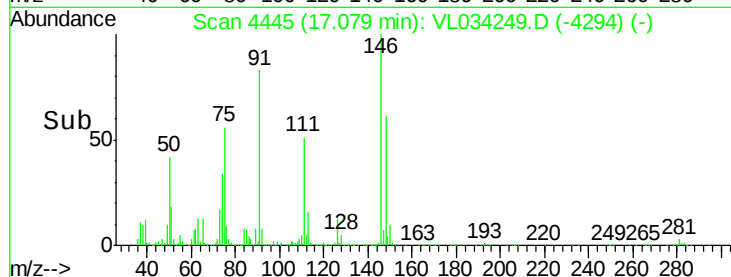
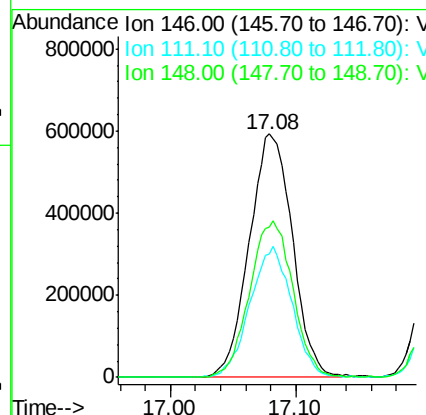
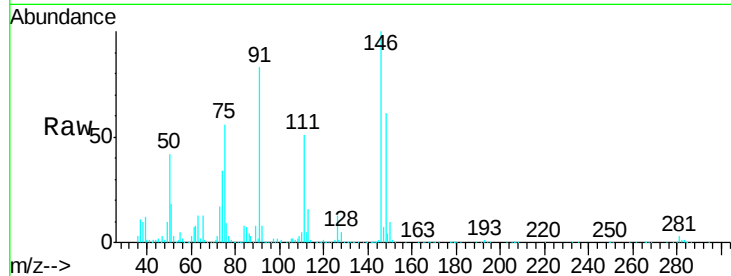
#75
 1,3-Dichlorobenzene
 Concen: 9.479 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1420999
 Ion Ratio Lower Upper
 146 100
 111 52.2 25.9 77.8
 148 64.4 32.6 97.7

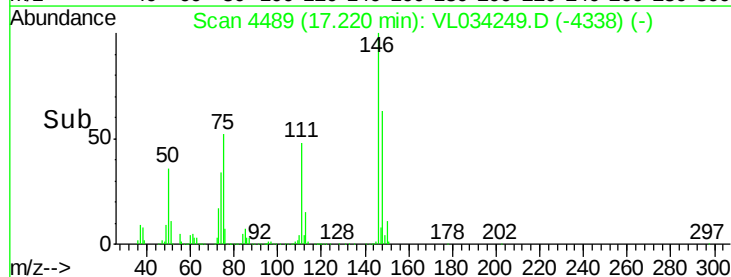
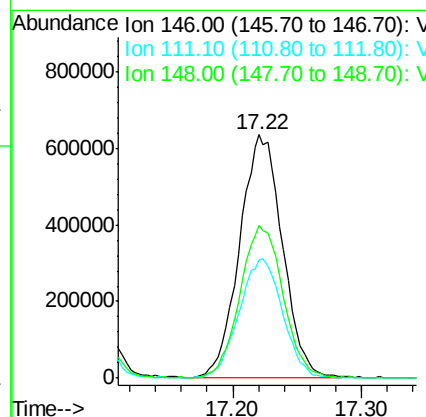
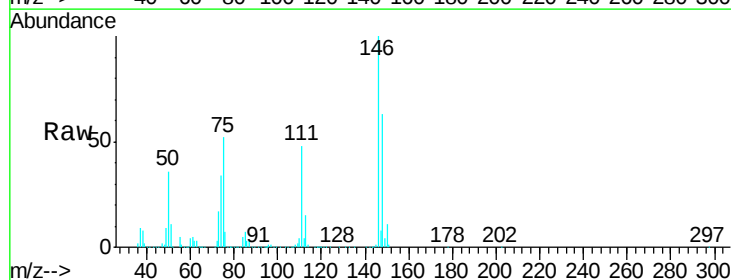
Manual Integrations
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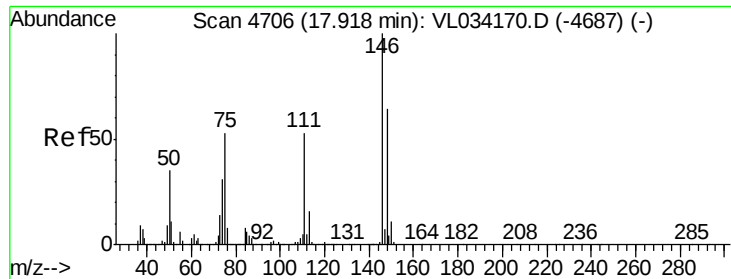
MMDadoda
 10/11/2019 5:06:31 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.494 ppbv
 RT: 17.22 min Scan# 4489
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion:146 Resp: 1457541
 Ion Ratio Lower Upper
 146 100
 111 50.3 24.6 74.0
 148 63.8 32.4 97.0





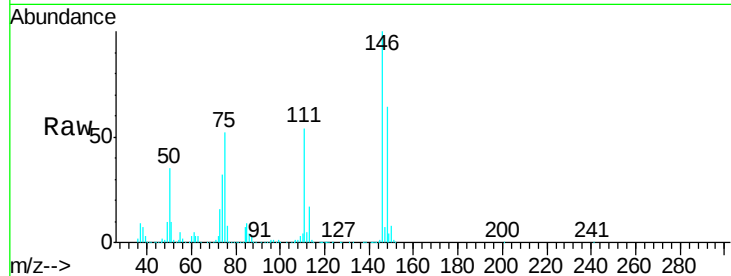
#77
 1,2-Dichlorobenzene
 Concen: 9.187 ppbv
 RT: 17.91 min Scan# 4702
 Delta R.T. -0.01 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

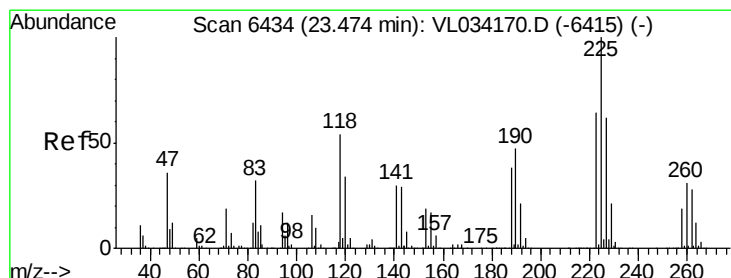
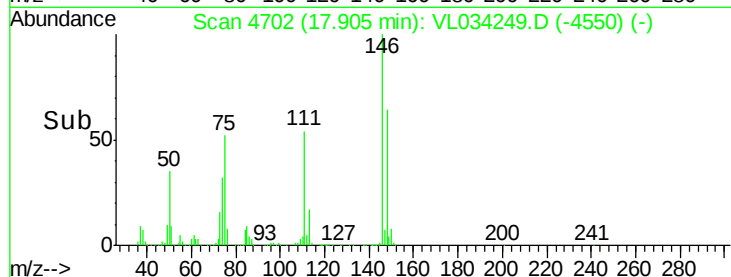
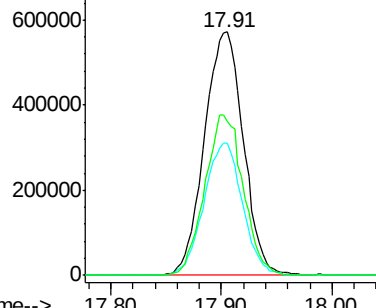
Tgt Ion:146 Resp: 1393950
 Ion Ratio Lower Upper
 146 100
 111 54.1 26.1 78.3
 148 65.5 31.9 95.9

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 10/11/2019 5:06:31 PM

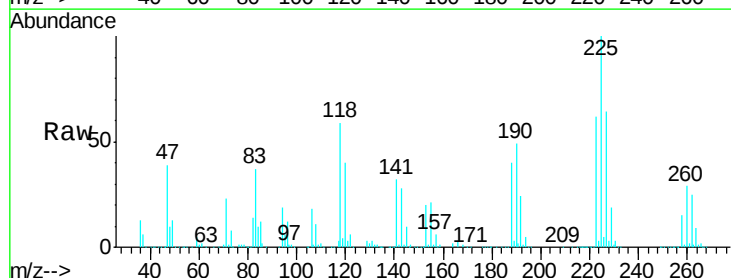


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

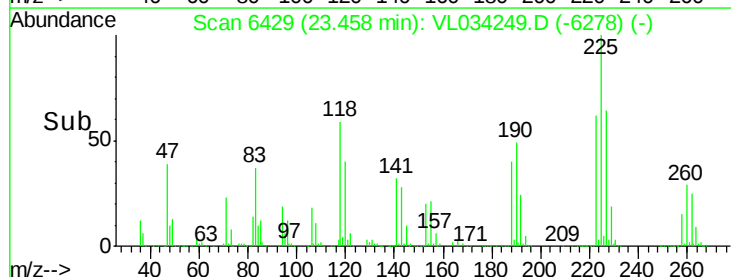
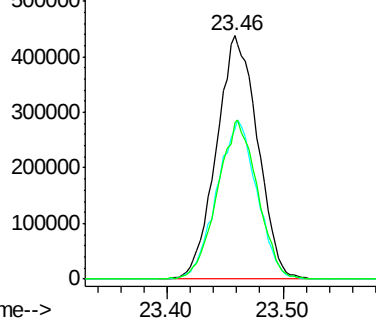


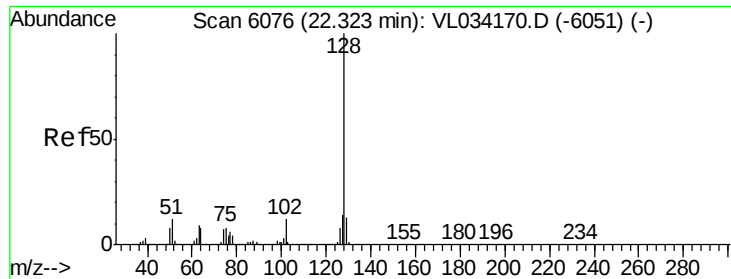
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.776 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Tgt Ion:225 Resp: 1082998
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.7 77.5
 227 63.6 52.1 78.1



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





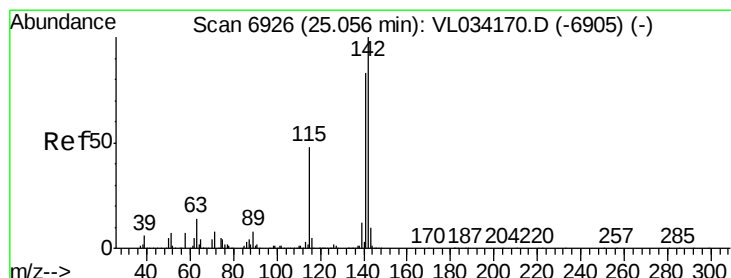
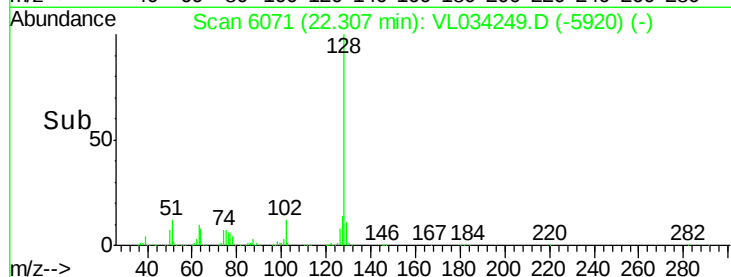
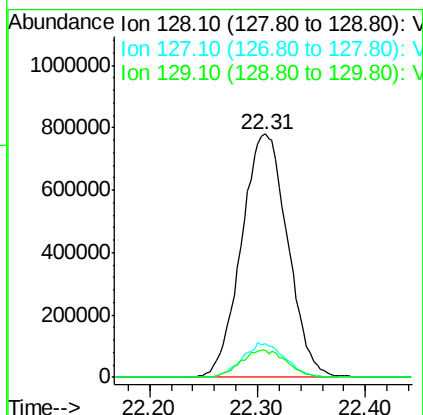
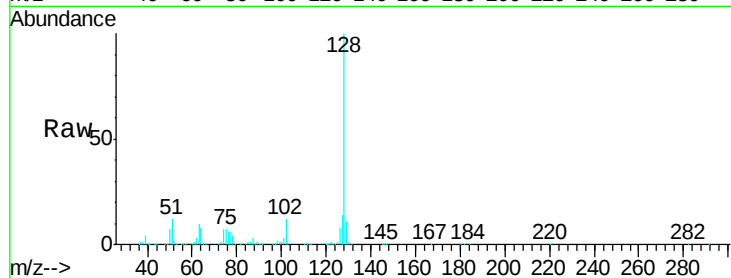
#79
Naphthalene
Concen: 9.438 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.1	16.7
129	11.1	10.2	15.4

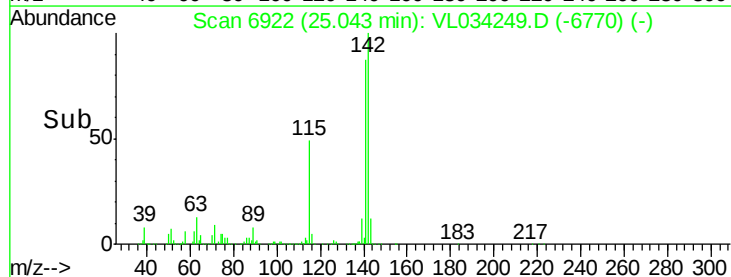
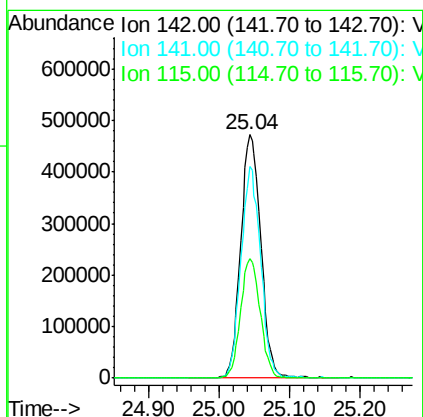
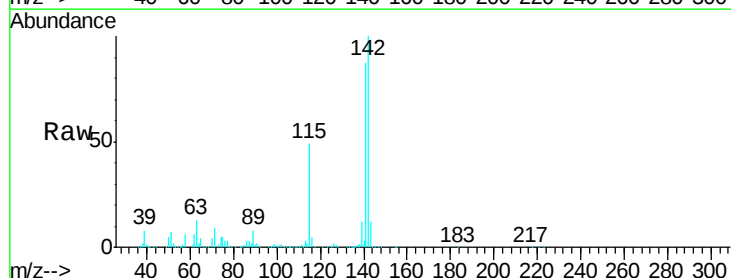
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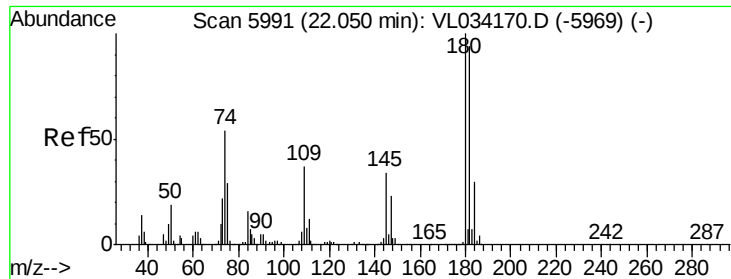
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#80
Naphthalene, 2-methyl-
Concen: 8.211 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034249.D
Acq: 8 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.6	101.4
115	47.9	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.395 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034249.D
 Acq: 8 Oct 2019 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	180	Resp:	1280184
Ion Ratio	Lower	Upper	
180	100		
182	94.6	77.4	116.2
184	30.8	25.0	37.4

Manual Integrations
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