

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034223.D
 Acq On : 7 Oct 2019 12:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 10/11/2019 5:04:38 PM

Quant Time: Oct 09 02:28:12 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	1045424	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1929659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2144254m	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1725325	9.26	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1613908	10.451	ppbv	99
3) Chlorodifluoromethane	2.97	51	1090391	8.896	ppbv	98
4) Chloromethane	3.12	50	675471	9.377	ppbv	95
5) Vinyl Chloride	3.24	62	590920	8.977	ppbv	96
6) Bromomethane	3.47	94	297311	9.680	ppbv	98
7) Chloroethane	3.55	64	218002	9.475	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1257003	9.223	ppbv	99
9) Propene	2.99	41	561504	9.285	ppbv	100
10) Heptane	8.17	43	1450350	9.202	ppbv	98
11) Trichlorofluoromethane	3.95	101	1309487	9.316	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	879401	9.560	ppbv	97
13) Ethanol	3.60	45	105230	7.186	ppbv	99
14) Bromoethene	3.73	108	380917	10.128	ppbv	99
15) Acetone	3.85	43	1104935	7.886	ppbv	100
16) 1,3-Butadiene	3.31	39	574280	9.392	ppbv	98
17) tert-Butyl alcohol	4.29	59	833546	9.389	ppbv	100
18) 1,1-Dichloroethene	4.29	96	409681	10.211	ppbv	91
19) Isopropyl Alcohol	3.97	45	721294	8.371	ppbv	100
20) Methylene Chloride	4.35	84	369128	9.137	ppbv	92
21) Allyl Chloride	4.42	41	776911	9.817	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	416319	10.371	ppbv	98
23) Vinyl Acetate	5.09	43	1937545	9.384	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1266096	9.107	ppbv	99
25) Ethyl Acetate	5.70	43	2327271	8.784	ppbv	99
26) Hexane	5.71	57	998125	9.056	ppbv	98
27) Carbon Disulfide	4.56	76	1089680	10.720	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1623753	9.920	ppbv	98
29) Chloroform	5.78	83	1471360	9.342	ppbv	100
30) Cyclohexane	7.17	84	777750	9.774	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1058339	9.420	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1394209	9.179	ppbv	98
34) 2-Butanone	5.26	43	1608477	8.164	ppbv	97
35) Carbon Tetrachloride	7.06	117	1366595	8.524	ppbv	97
36) Benzene	6.93	78	1890670	8.871	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1259435	8.308	ppbv	99
38) Trichloroethene	7.88	130	626078	8.222	ppbv	99
39) 1,2-Dichloropropane	7.66	63	826114	8.627	ppbv	97
40) 1,4-Dioxane	7.88	88	265535	8.569	ppbv #	88
41) Tetrahydrofuran	6.08	42	984352	8.870	ppbv	99
42) Bromodichloromethane	7.84	83	1638654	9.008	ppbv	100
43) Methyl Methacrylate	8.07	69	826822	9.392	ppbv	95

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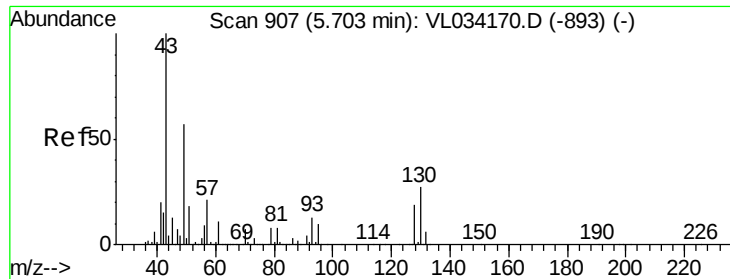
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3459714	8.433	ppbv	98
45) t-1,3-Dichloropropene	9.34	75	1070057	10.279	ppbv	97
46) cis-1,3-Dichloropropene	8.76	75	1221016	9.751	ppbv	93
47) 1,1,2-Trichloroethane	9.54	97	746710	8.684	ppbv	97
48) Dibromochloromethane	10.37	129	1228747	9.016	ppbv	99
49) Bromoform	13.12	173	1044769	9.473	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2388010	8.328	ppbv	99
51) 2-Hexanone	10.19	43	2008286	8.345	ppbv #	97
52) Tetrachloroethene	11.29	164	580114	8.239	ppbv	97
53) Toluene	9.87	91	2114952	9.080	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1113722	8.710	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	800526	8.371	ppbv	99
57) Chlorobenzene	12.22	112	1478906	7.922	ppbv	98
58) Ethyl Benzene	12.78	91	2859207	8.264	ppbv	97
59) m/p-Xylene	13.07	91	4590103m	16.018	ppbv	
60) o-Xylene	13.77	91	2299853	8.026	ppbv	99
61) Styrene	13.60	104	1726483	8.411	ppbv	98
62) Isopropylbenzene	14.74	105	2986295	8.051	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.76	83	1647679	7.012	ppbv	99
64) n-propylbenzene	15.64	120	770136	8.206	ppbv	94
65) tert-Butylbenzene	16.83	119	2515836	7.762	ppbv	98
66) Benzyl Chloride	17.08	91	1227776	10.707	ppbv	100
67) sec-Butylbenzene	17.38	105	3648844	7.873	ppbv	99
69) p-Isopropyltoluene	17.73	119	2954393	7.872	ppbv	99
70) n-Butylbenzene	18.63	91	3328752	7.617	ppbv	99
71) 2-Chlorotoluene	15.54	91	2426678	8.007	ppbv	99
72) 4-Ethyltoluene	15.92	105	2639806	8.154	ppbv	98
73) 1,3,5-Trimethylbenzene	16.08	105	2510002	8.025	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	2492836	7.506	ppbv	95
75) 1,3-Dichlorobenzene	17.09	146	1341209	7.527	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1384557	7.588	ppbv	100
77) 1,2-Dichlorobenzene	17.91	146	1342026	7.442	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	916820	7.675	ppbv	99
79) Naphthalene	22.31	128	2272252	7.772	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	954862	7.023	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	1244371	7.684	ppbv	99

(#) = 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: VL034223.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1045424

Ion Ratio Lower Upper

49 100

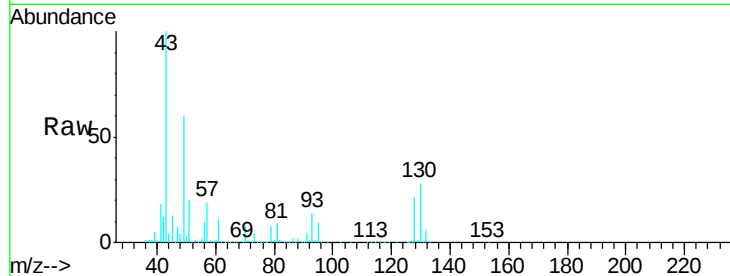
128 36.3 17.6 52.9

130 45.5 22.3 66.9

Manual Integrations
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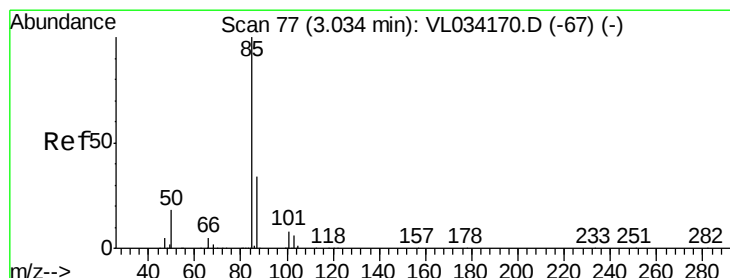
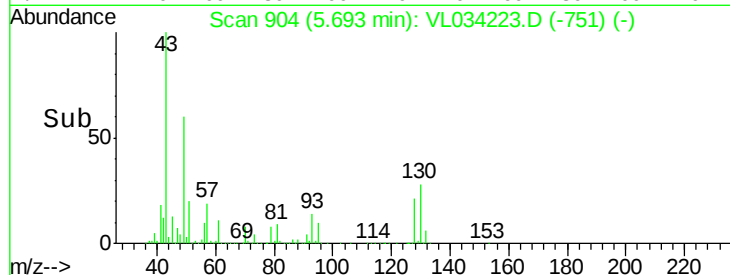
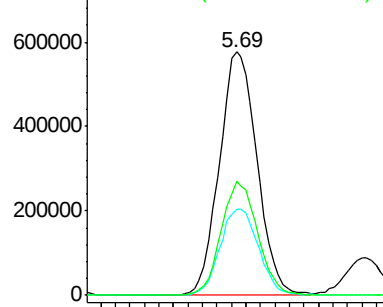
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.451 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034223.D

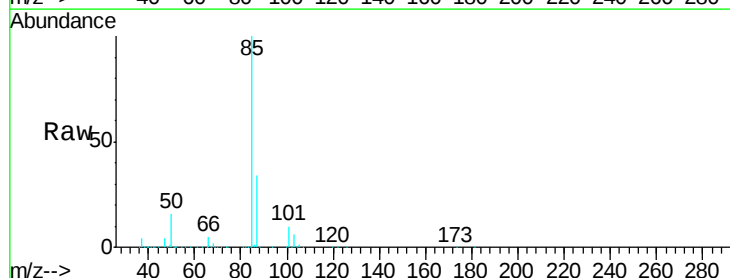
Acq: 7 Oct 2019 12:13

Tgt Ion: 85 Resp: 1613908

Ion Ratio Lower Upper

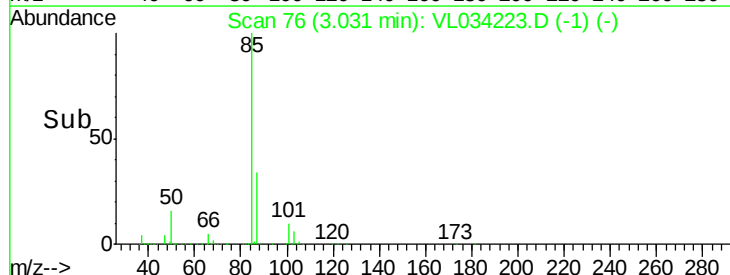
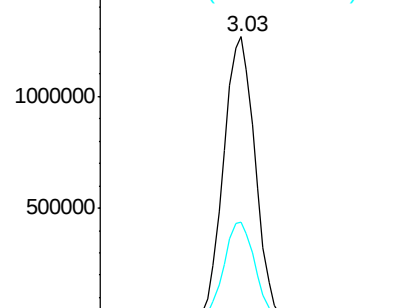
85 100

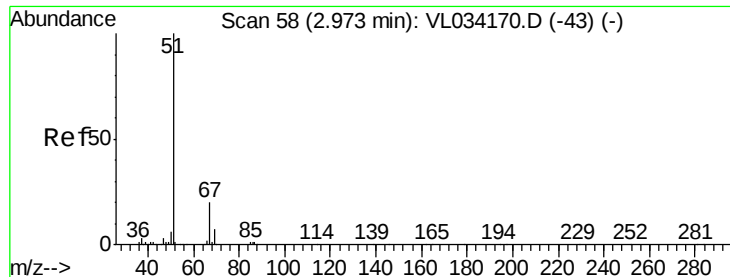
87 34.4 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.896 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 1090391

Ion Ratio Lower Upper

51 100

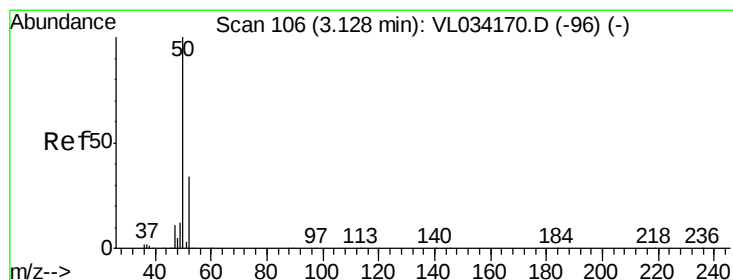
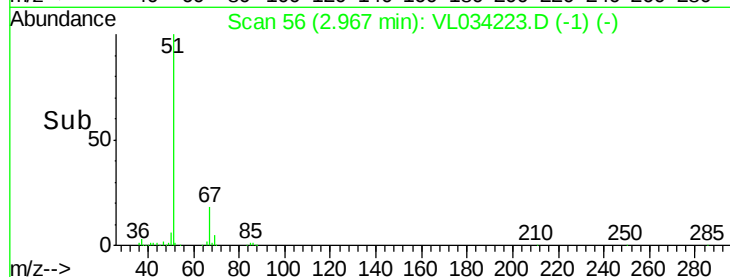
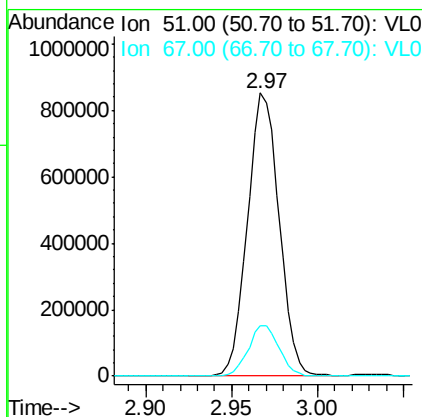
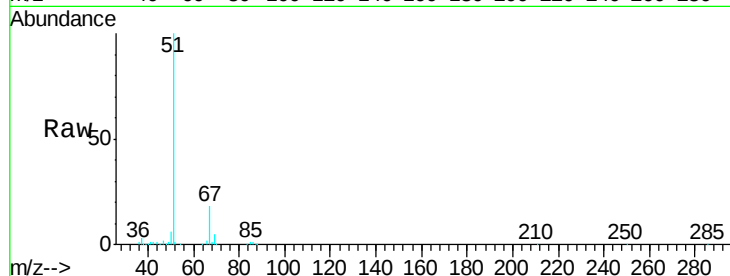
67 17.6 14.8 22.2

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#4

Chloromethane

Concen: 9.377 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034223.D

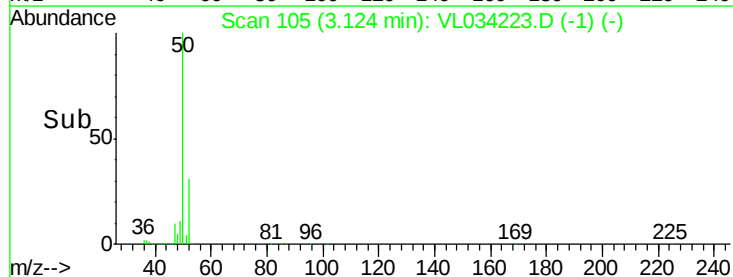
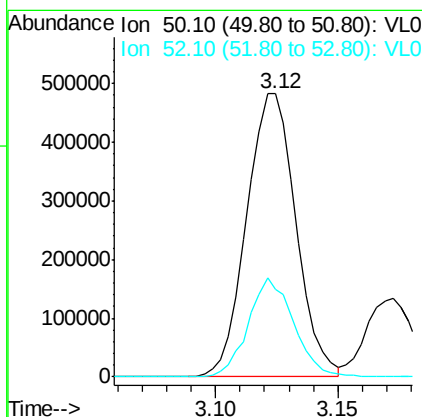
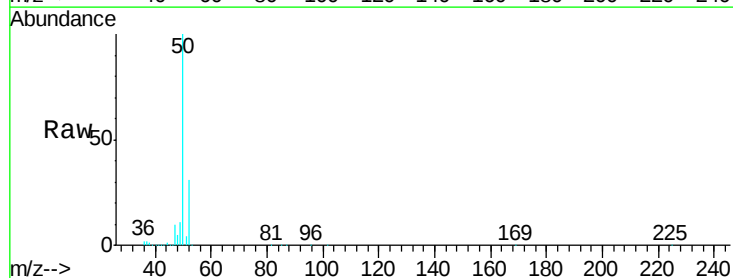
Acq: 7 Oct 2019 12:13

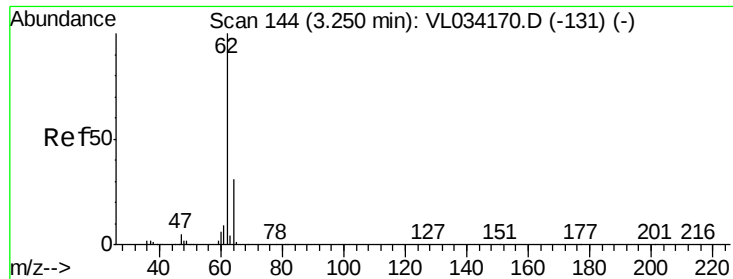
Tgt Ion: 50 Resp: 675471

Ion Ratio Lower Upper

50 100

52 31.1 27.1 40.7





#5

Vinyl Chloride

Concen: 8.977 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 590920

Ion Ratio Lower Upper

62 100

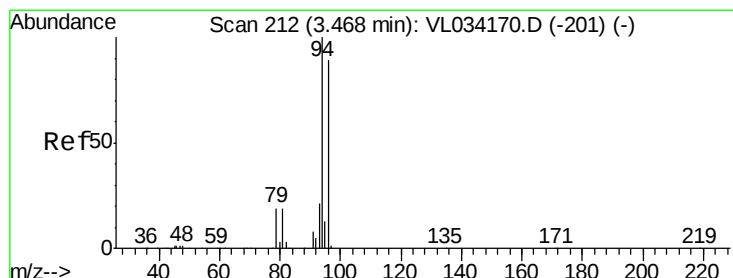
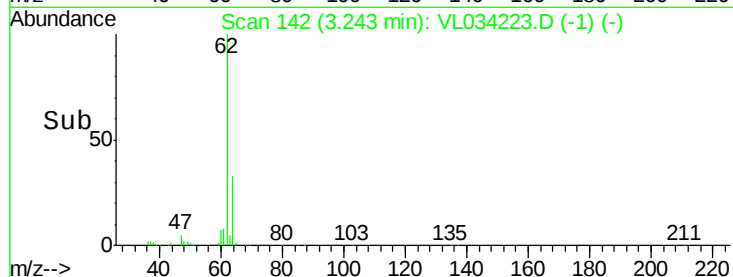
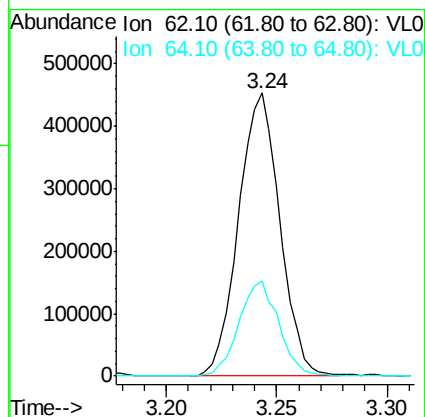
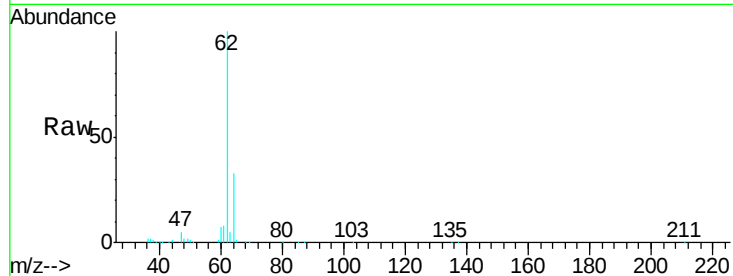
64 33.5 25.2 37.8

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#6

Bromomethane

Concen: 9.680 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034223.D

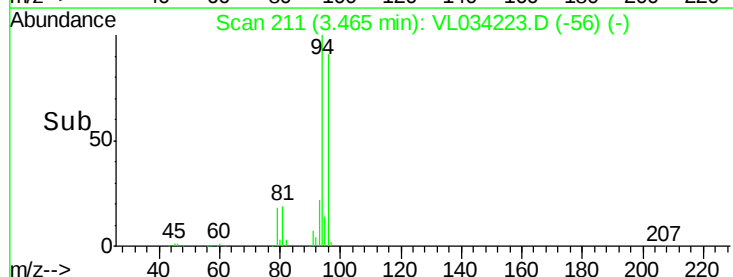
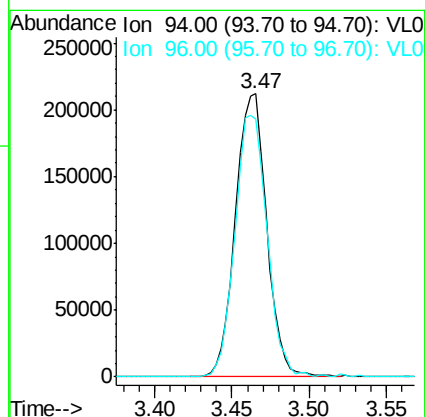
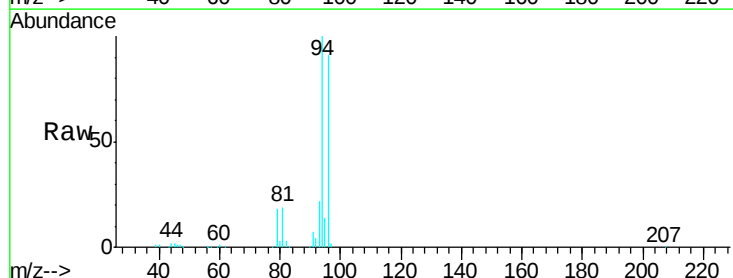
Acq: 7 Oct 2019 12:13

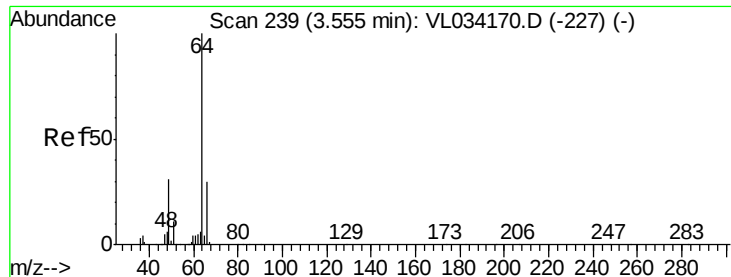
Tgt Ion: 94 Resp: 297311

Ion Ratio Lower Upper

94 100

96 91.1 71.3 106.9





#7

Chloroethane

Concen: 9.475 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 218002

Ion Ratio Lower Upper

64 100

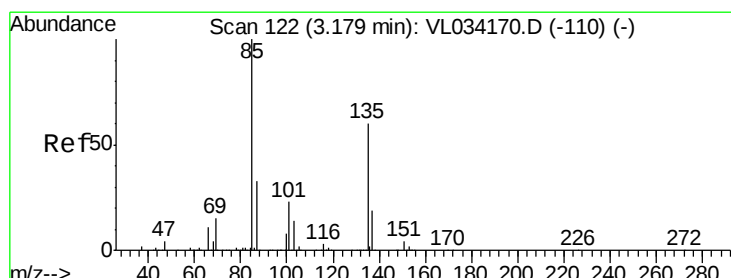
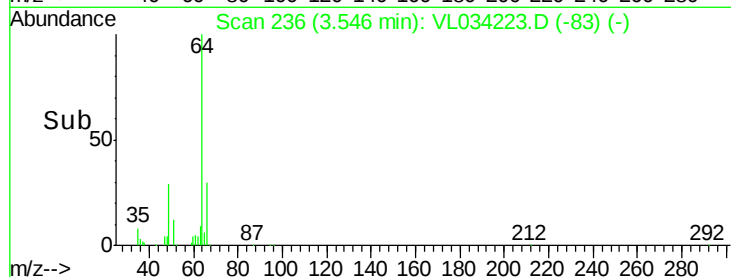
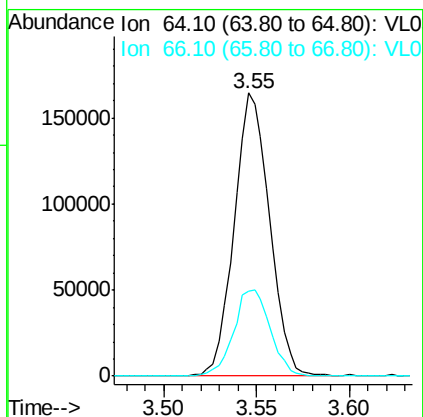
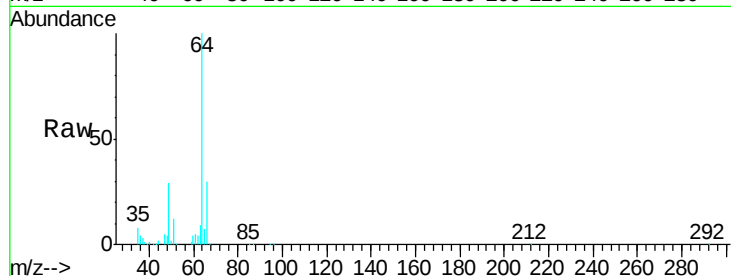
66 29.9 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.223 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL034223.D

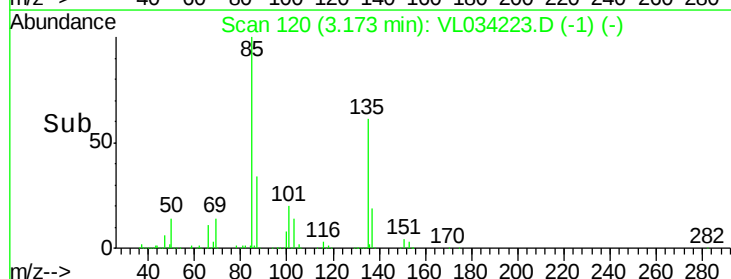
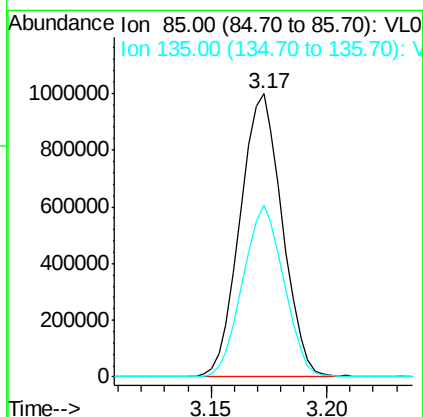
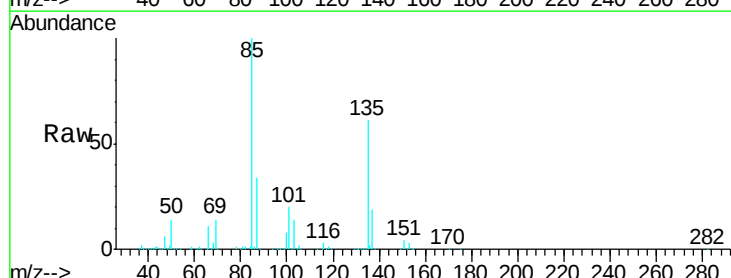
Acq: 7 Oct 2019 12:13

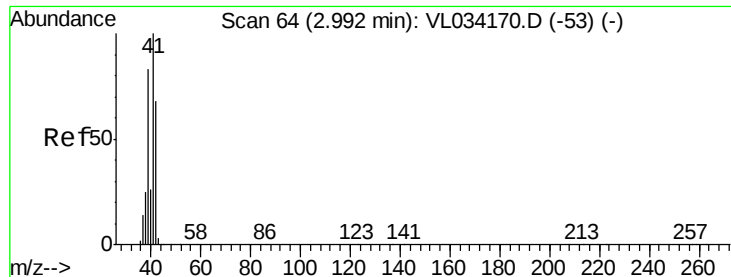
Tgt Ion: 85 Resp: 1257003

Ion Ratio Lower Upper

85 100

135 59.6 47.3 70.9





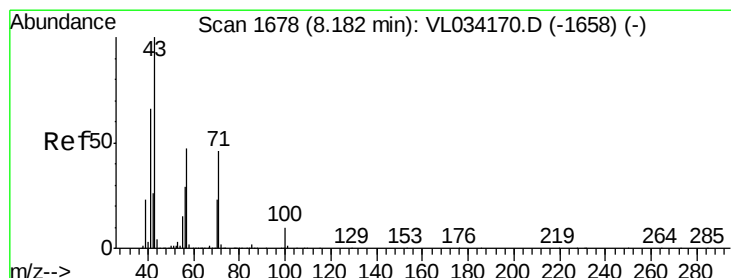
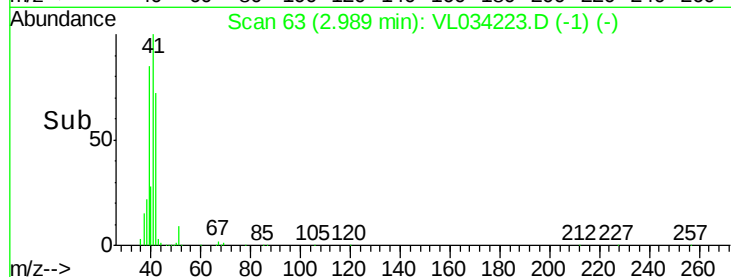
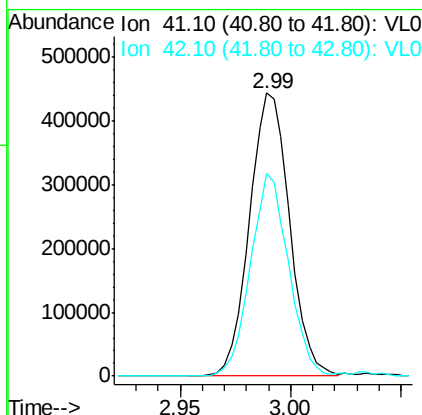
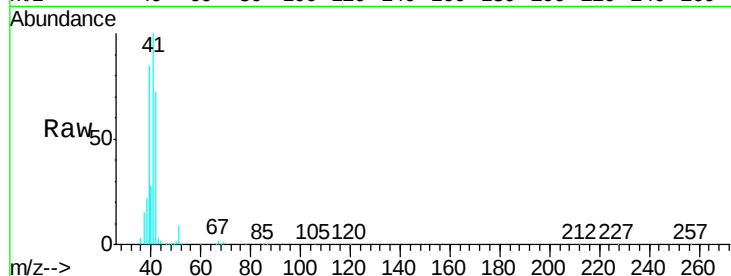
#9
 Propene
 Concen: 9.285 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.00 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 561504
 Ion Ratio Lower Upper
 41 100
 42 69.4 55.8 83.6

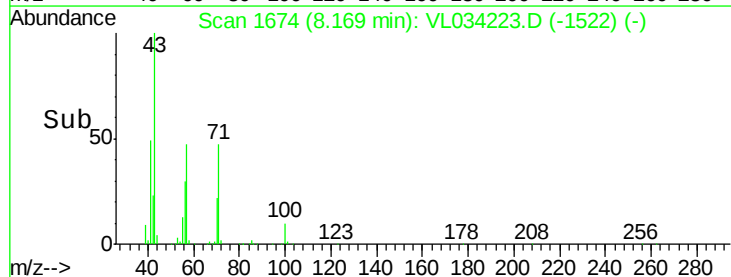
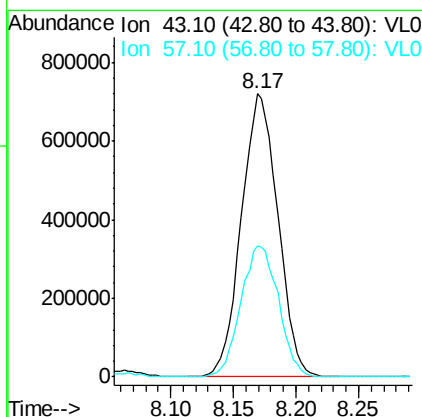
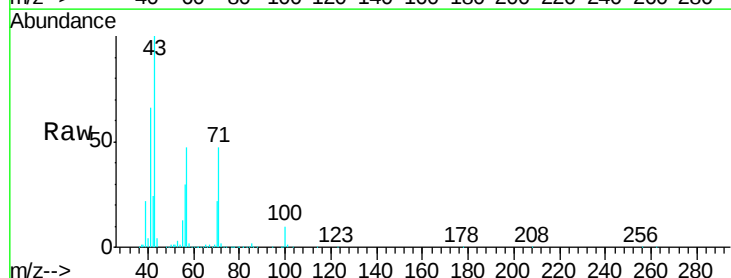
Manual Integrations
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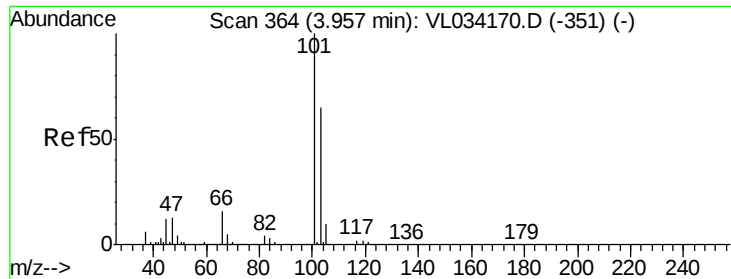
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#10
 Heptane
 Concen: 9.202 ppbv
 RT: 8.17 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 1450350
 Ion Ratio Lower Upper
 43 100
 57 47.9 37.5 56.3





#11

Trichlorofluoromethane

Concen: 9.316 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:101 Resp: 1309487

Ion Ratio Lower Upper

101 100

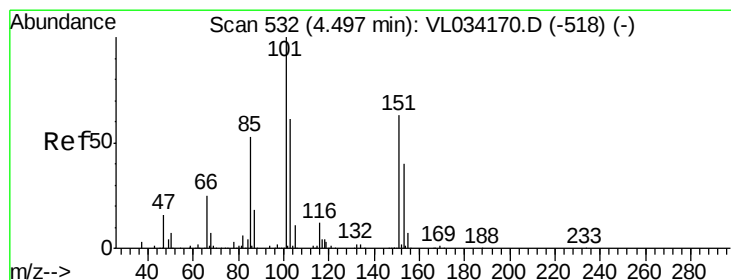
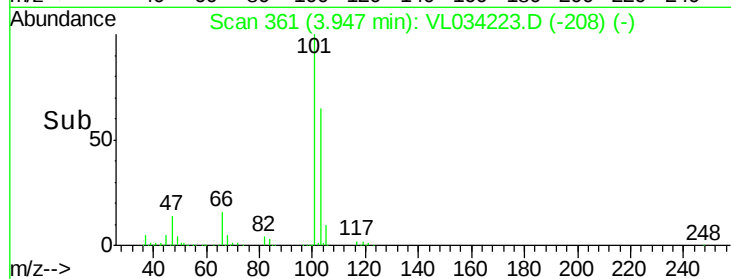
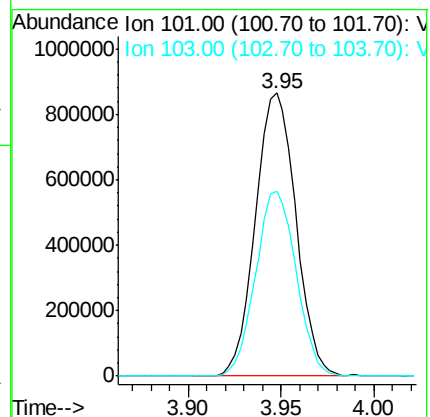
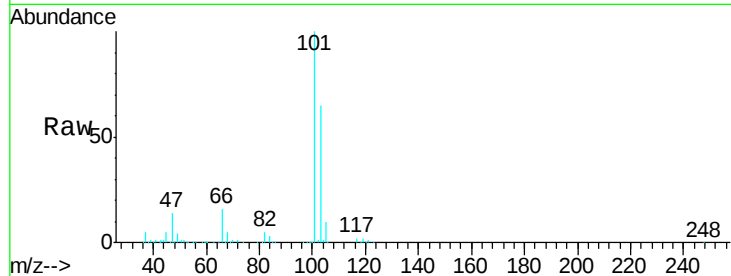
103 65.3 52.1 78.1

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.560 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034223.D

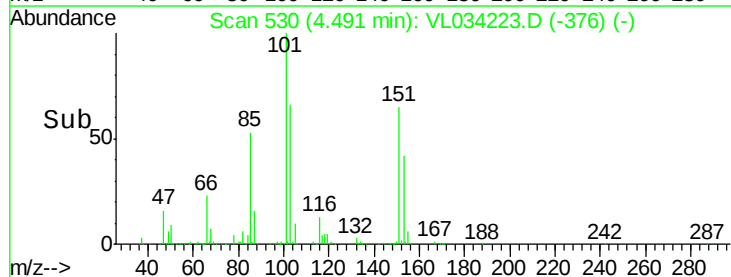
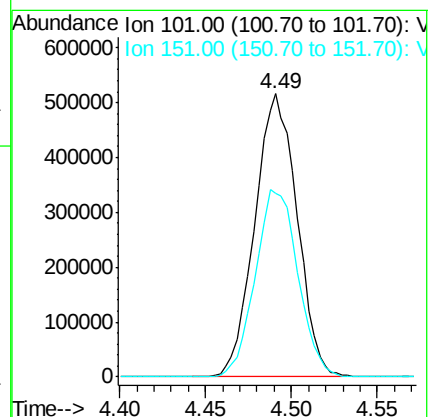
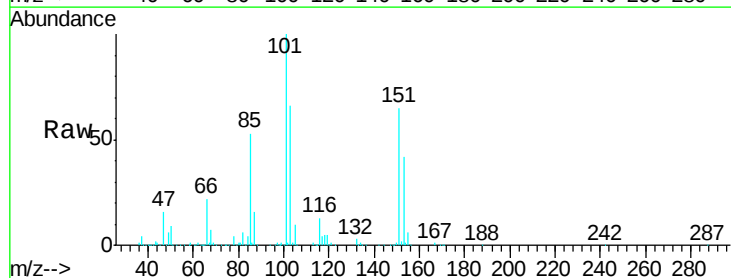
Acq: 7 Oct 2019 12:13

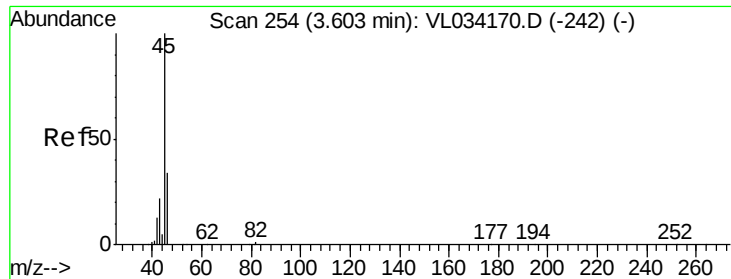
Tgt Ion:101 Resp: 879401

Ion Ratio Lower Upper

101 100

151 66.9 51.8 77.8





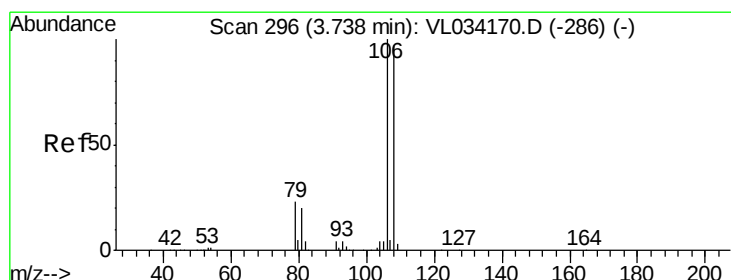
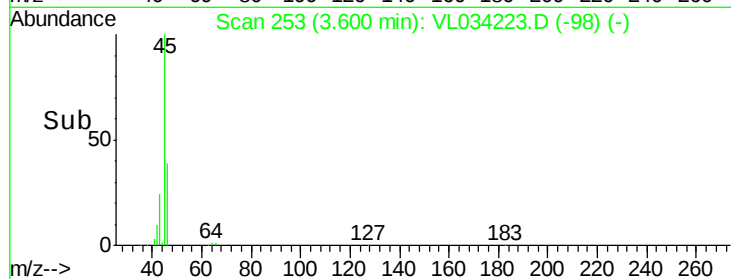
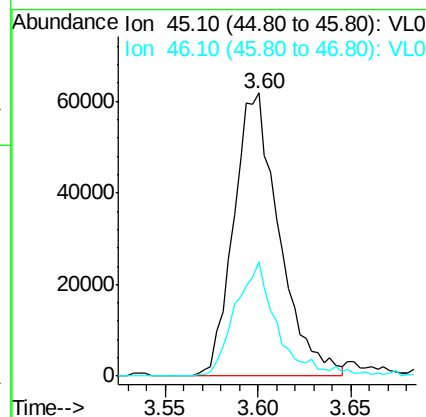
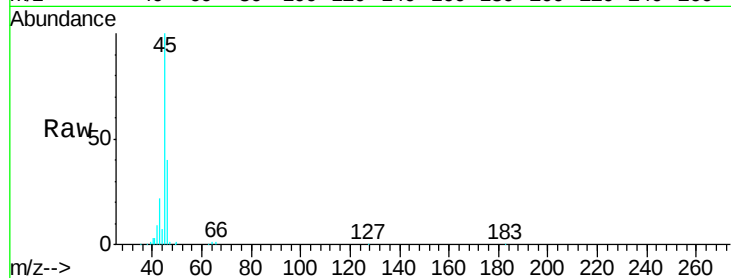
#13
Ethanol
Concen: 7.186 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 105230
Ion Ratio Lower Upper
45 100
46 38.3 15.5 61.9

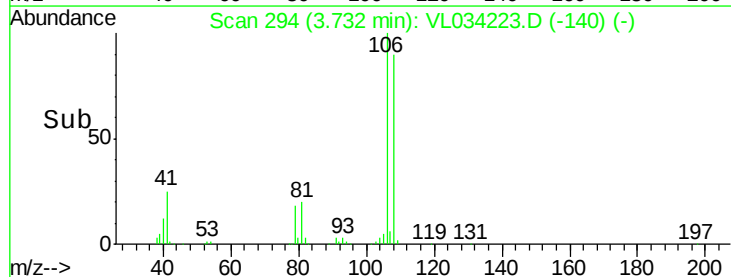
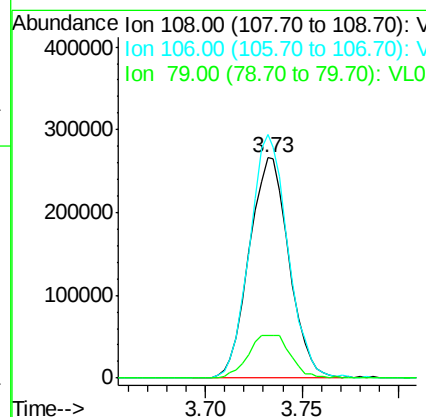
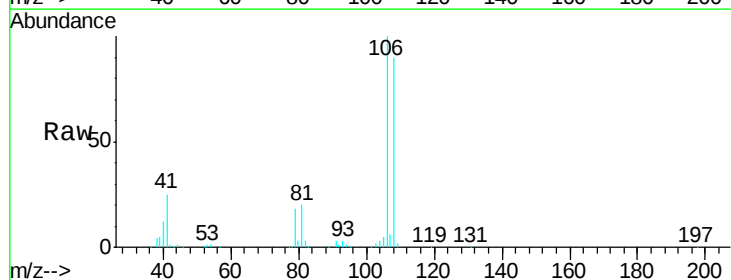
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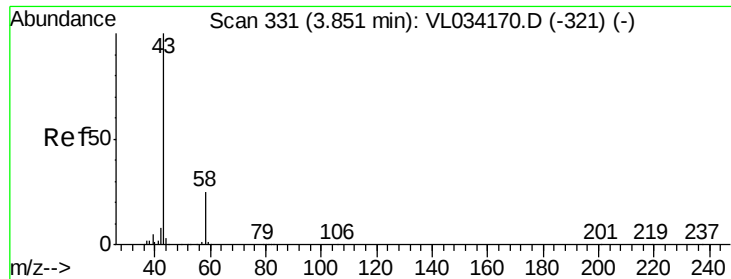
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#14
Bromoethene
Concen: 10.128 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 108 Resp: 380917
Ion Ratio Lower Upper
108 100
106 107.0 86.2 129.4
79 21.0 18.6 27.8





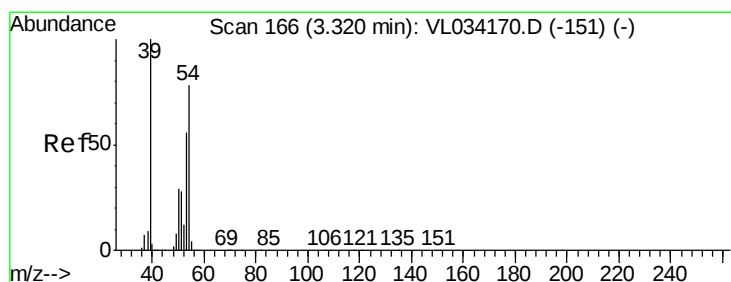
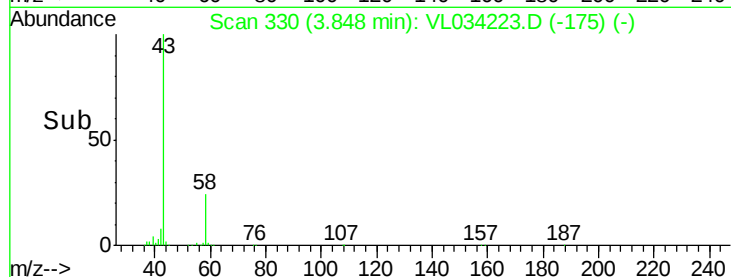
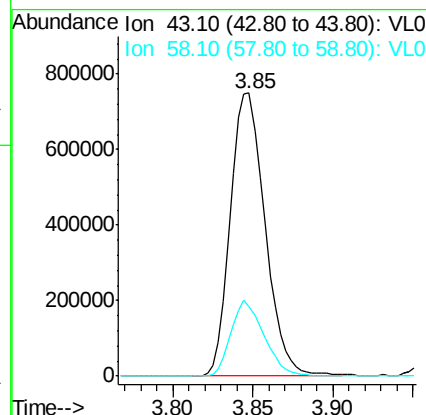
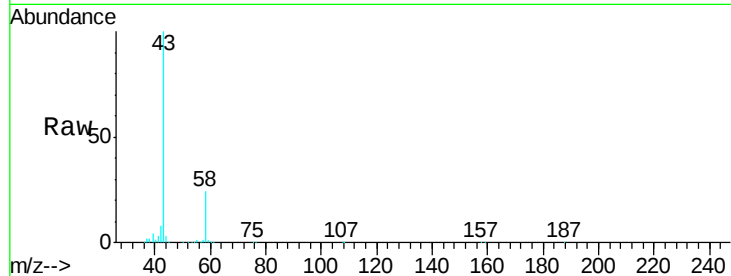
#15
Acetone
Concen: 7.886 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1104935
Ion Ratio Lower Upper
43 100
58 25.6 20.5 30.7

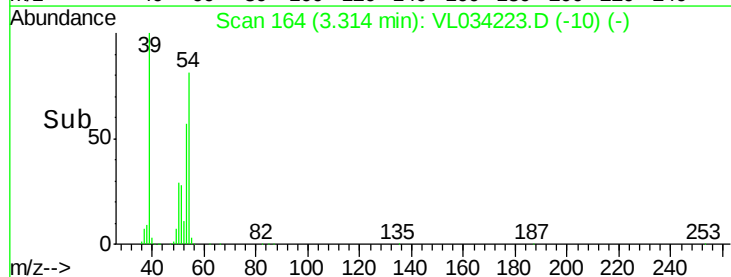
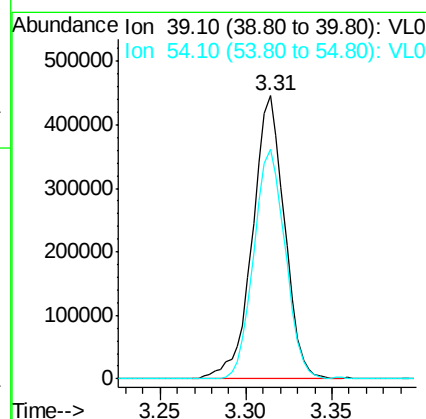
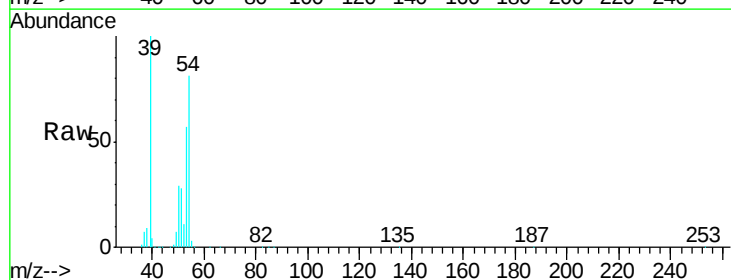
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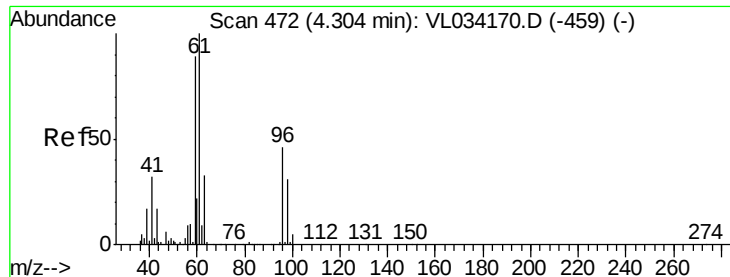
MMDadoda
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#16
1,3-Butadiene
Concen: 9.392 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 39 Resp: 574280
Ion Ratio Lower Upper
39 100
54 80.6 63.4 95.0





#17

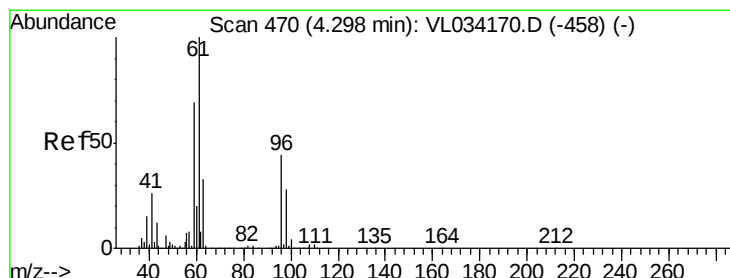
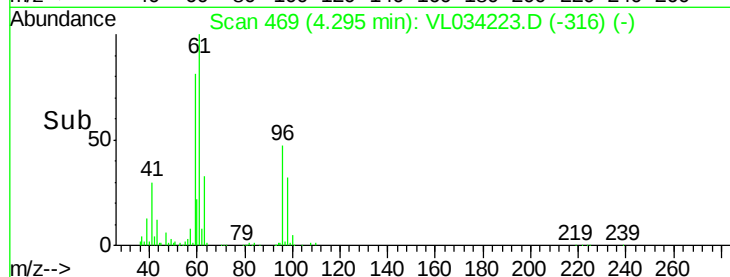
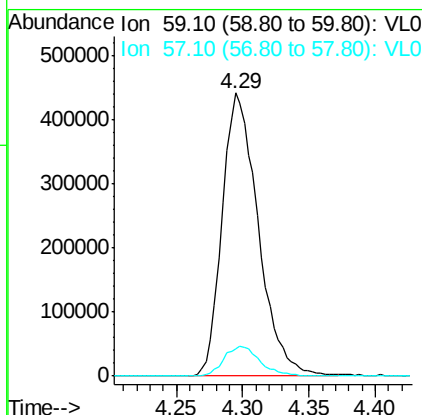
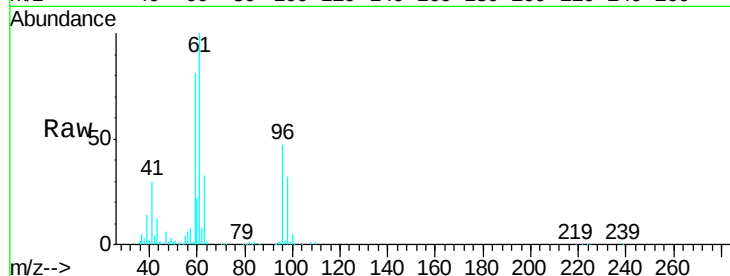
tert-Butyl alcohol
Concen: 9.389 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 833546
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

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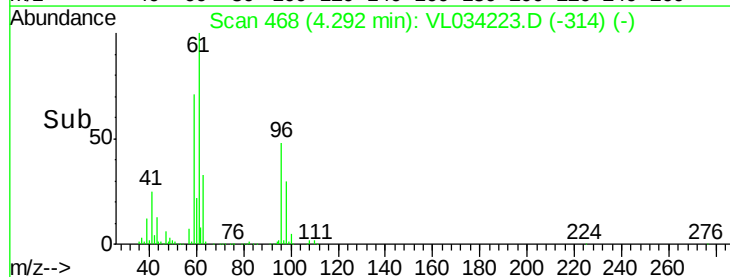
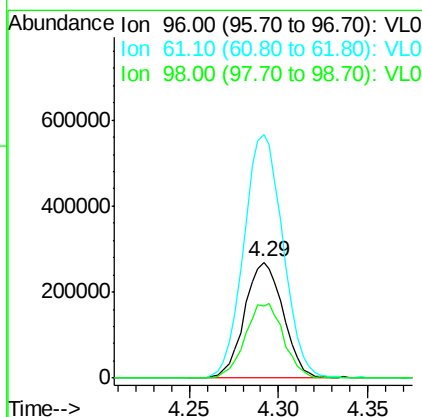
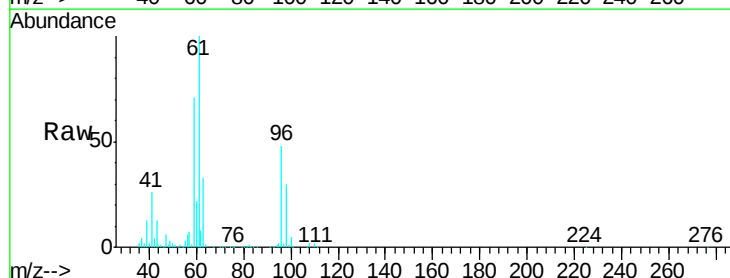
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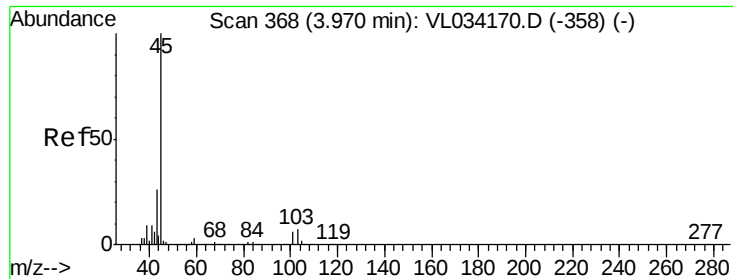


#18

1,1-Dichloroethene
Concen: 10.211 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 96 Resp: 409681
Ion Ratio Lower Upper
96 100
61 210.5 183.3 274.9
98 62.2 51.4 77.2





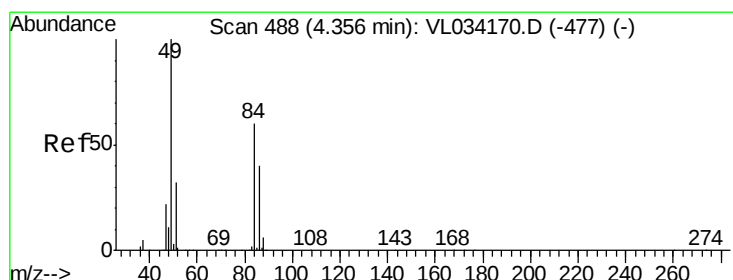
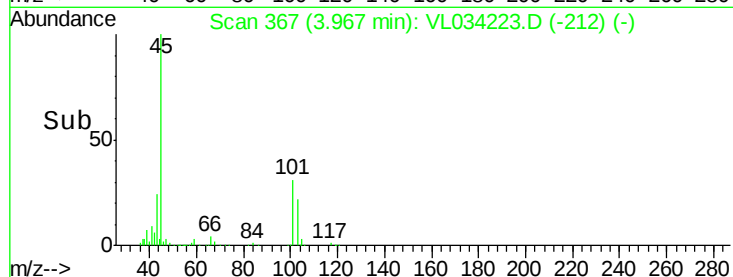
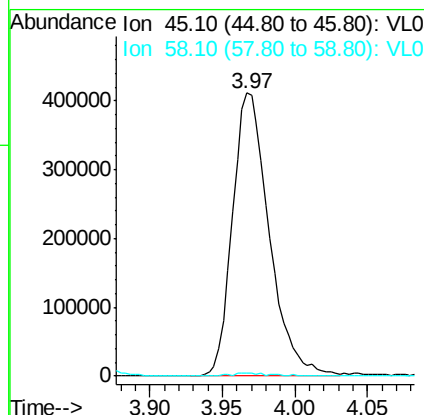
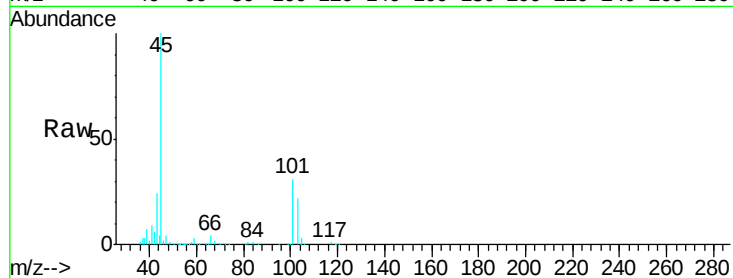
#19
Isopropyl Alcohol
Concen: 8.371 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 721294
Ion Ratio Lower Upper
45 100
58 1.6 1.4 2.0

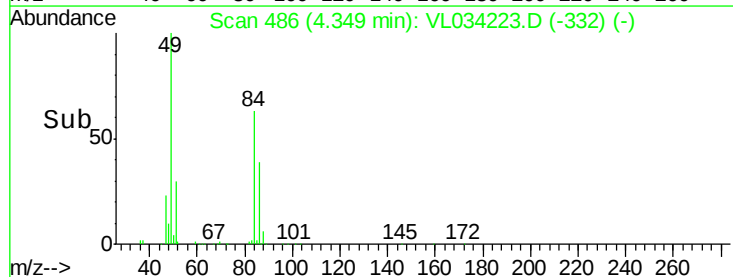
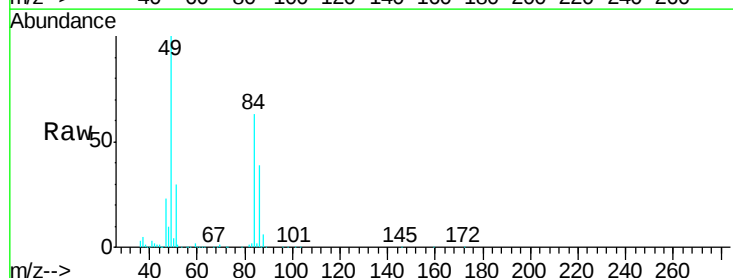
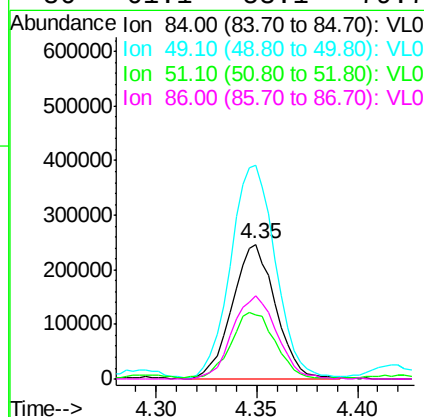
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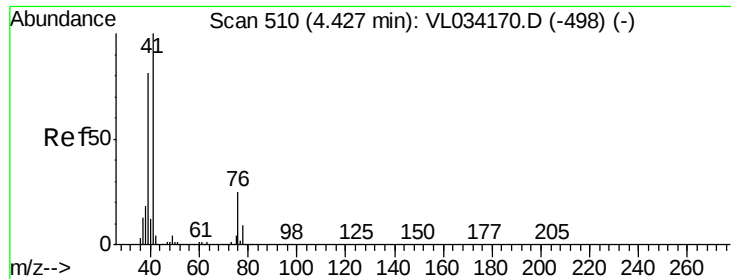
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#20
Methylene Chloride
Concen: 9.137 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 84 Resp: 369128
Ion Ratio Lower Upper
84 100
49 157.6 133.8 200.8
51 46.6 43.6 65.4
86 61.1 53.1 79.7





#21

Allyl Chloride

Concen: 9.817 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

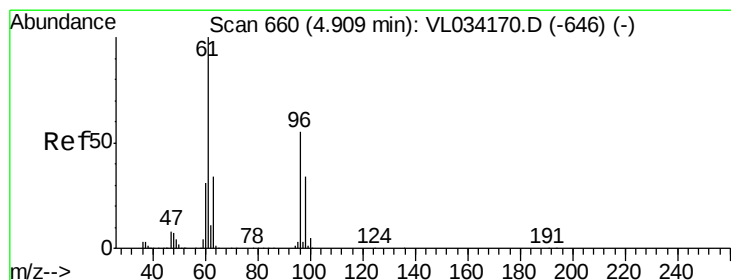
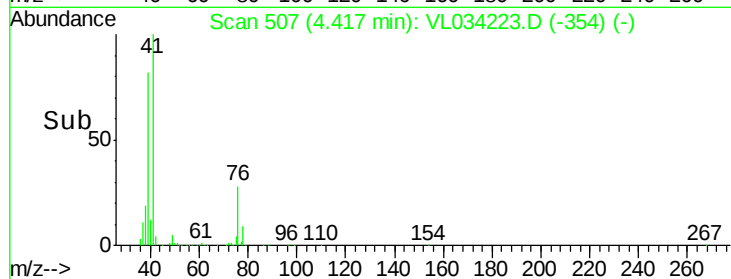
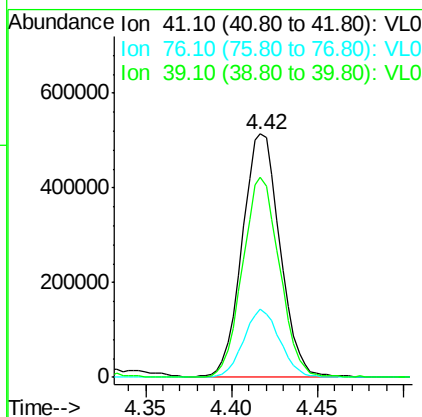
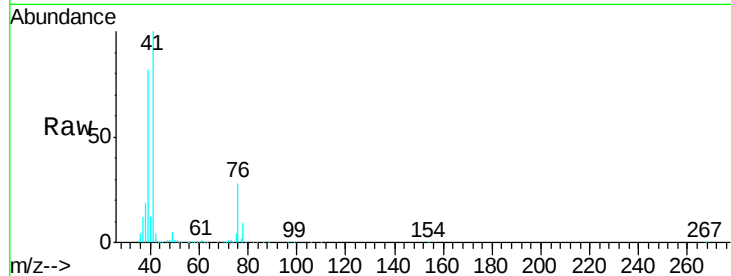
ClientSampleId :

VSTDCCC010

Tgt Ion:	41	Resp:	776911
Ion	Ratio	Lower	Upper
41	100		
76	27.1	21.8	32.6
39	81.6	64.8	97.2

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.371 ppbv

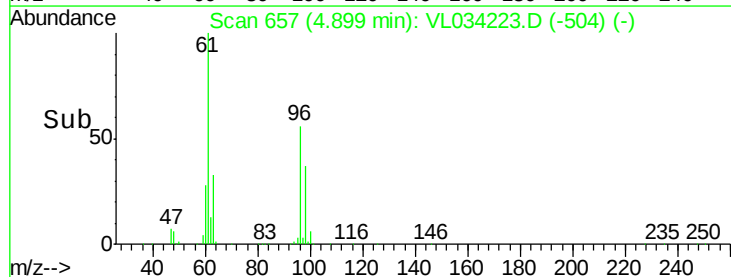
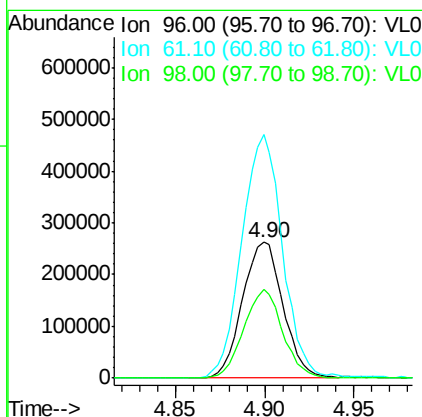
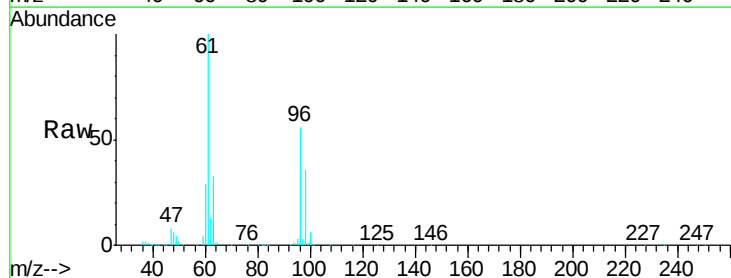
RT: 4.90 min Scan# 657

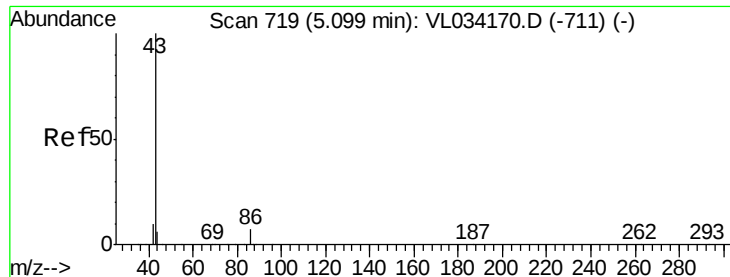
Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion:	96	Resp:	416319
Ion	Ratio	Lower	Upper
96	100		
61	179.6	145.5	218.3
98	65.1	49.9	74.9





#23

Vinyl Acetate

Concen: 9.384 ppbv

RT: 5.09 min Scan# 717

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1937545

Ion Ratio Lower Upper

43 100

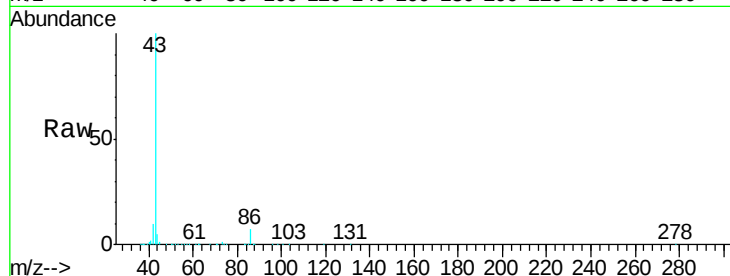
86 6.6 5.1 7.7

42 10.4 8.6 12.8

44 5.1 4.7 7.1

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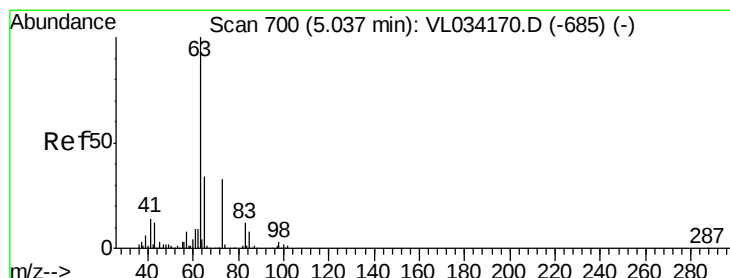
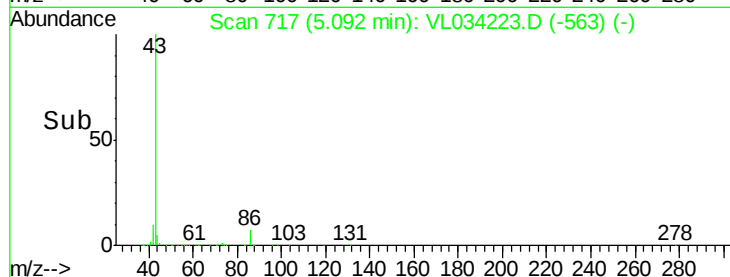
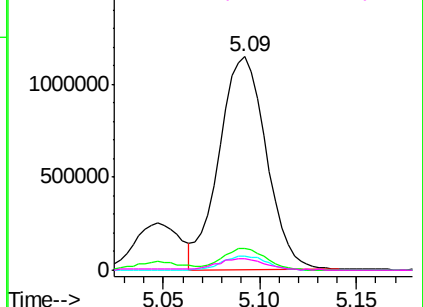


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.107 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

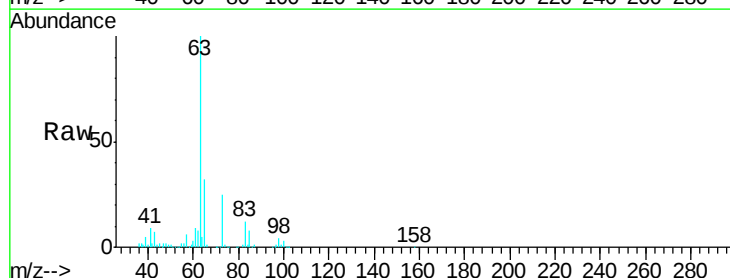
Tgt Ion: 63 Resp: 1266096

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.3

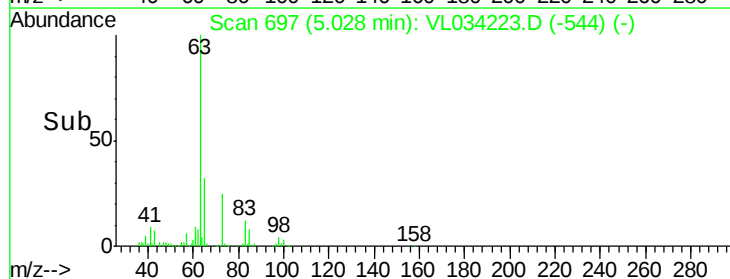
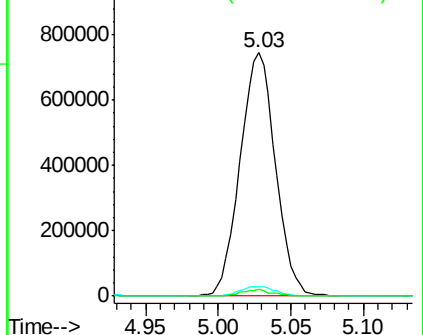
100 2.6 1.0 3.0

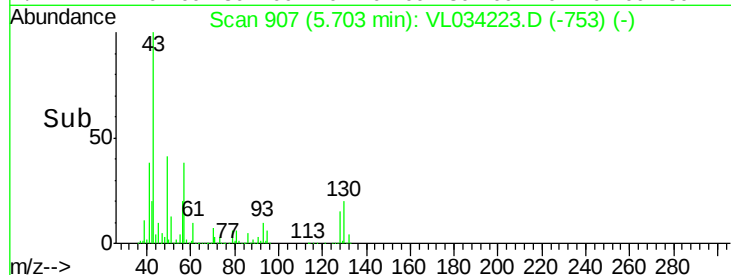
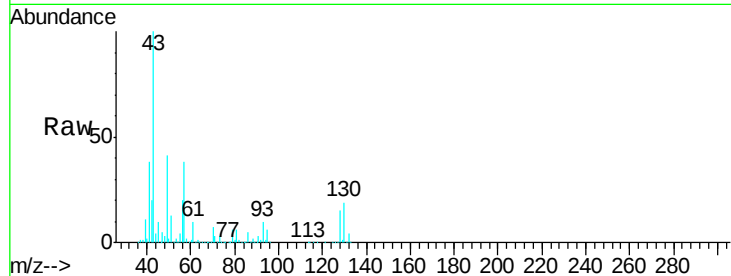
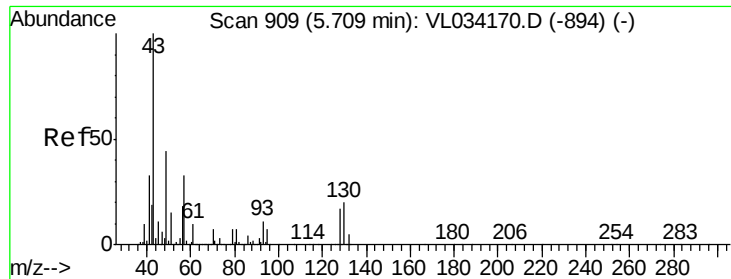


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.784 ppbv

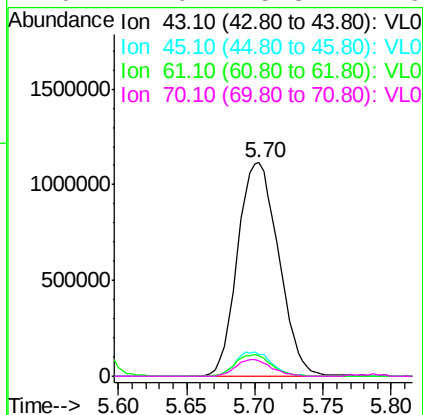
RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	9.2	7.2	10.8
70	7.0	5.3	7.9



Instrument :

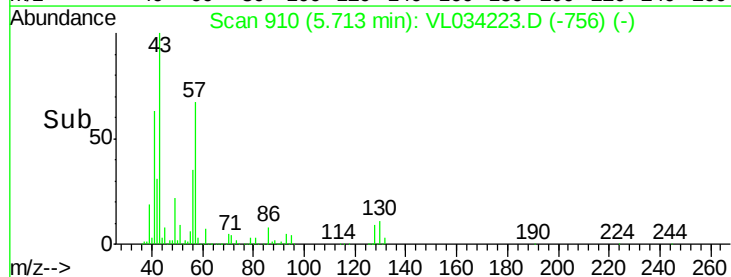
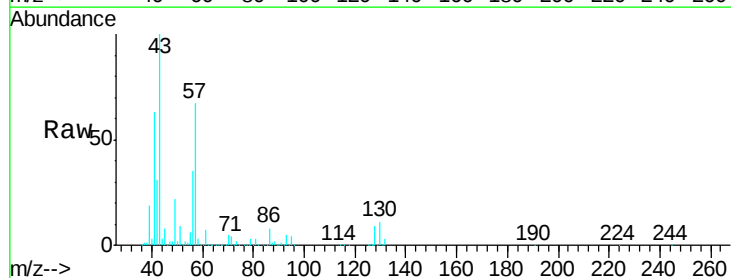
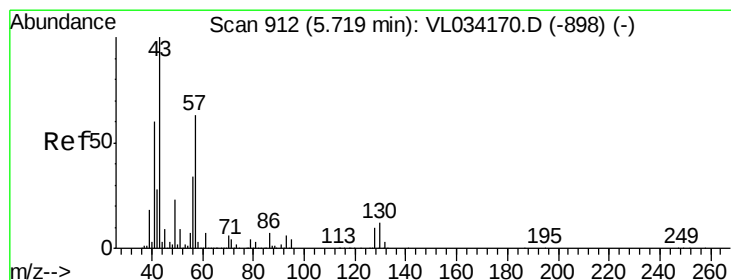
MSVOA_L

ClientSampleId :

VSTDCCC010

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#26

Hexane

Concen: 9.056 ppbv

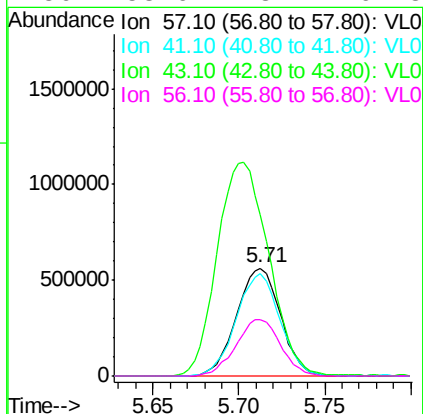
RT: 5.71 min Scan# 910

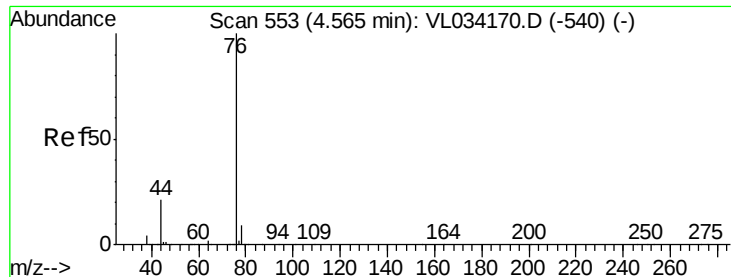
Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.5	78.5	117.7
43	233.8	189.5	284.3
56	53.6	43.2	64.8





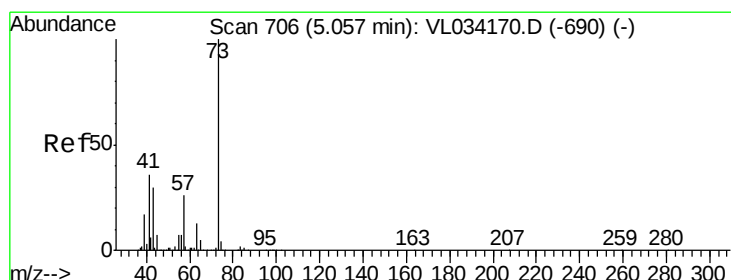
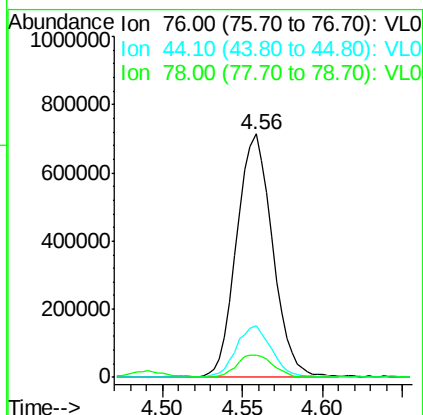
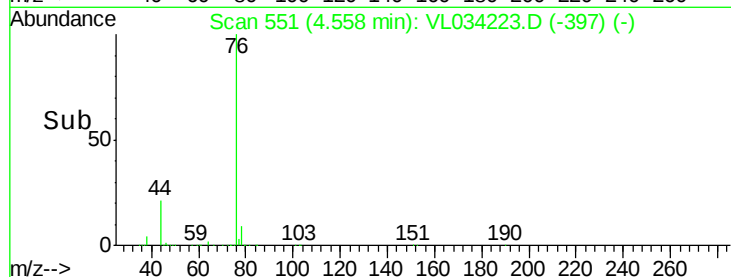
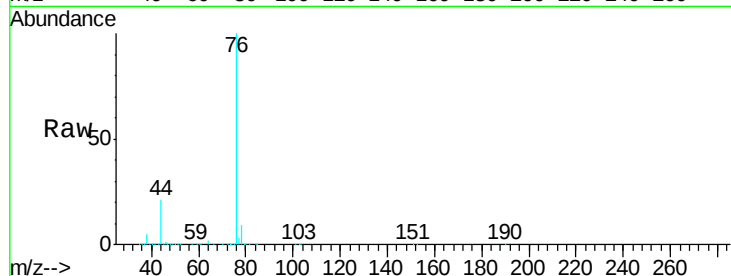
#27
Carbon Disulfide
Concen: 10.720 ppbv
RT: 4.56 min Scan# 551
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1089680
Ion Ratio Lower Upper
76 100
44 20.5 17.6 26.4
78 9.6 7.6 11.4

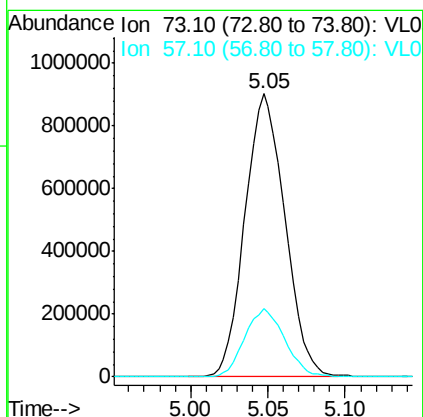
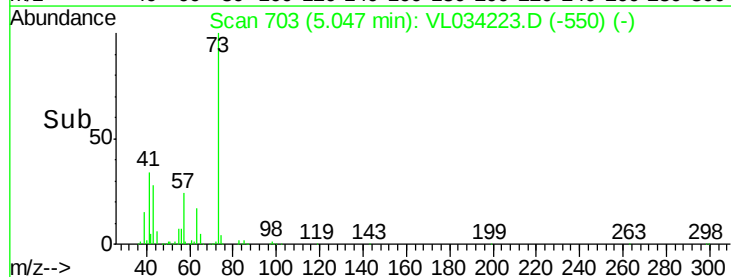
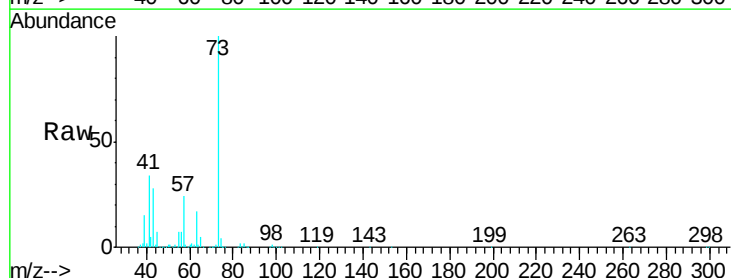
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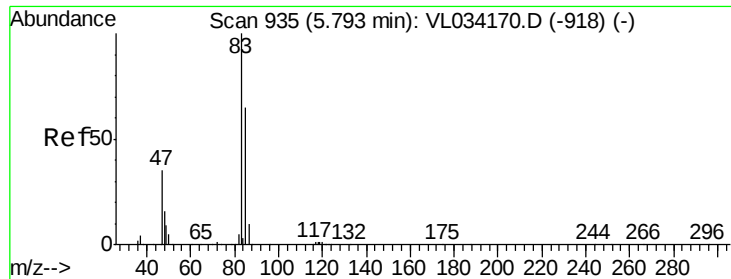
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 9.920 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 73 Resp: 1623753
Ion Ratio Lower Upper
73 100
57 24.3 20.2 30.2





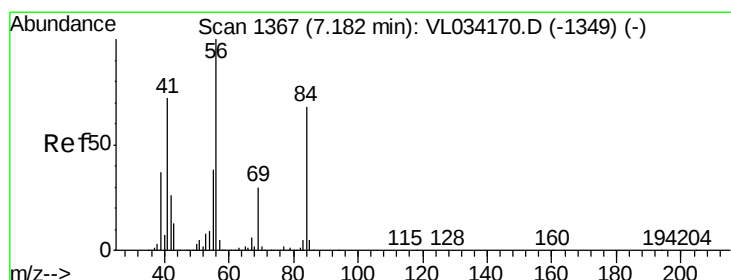
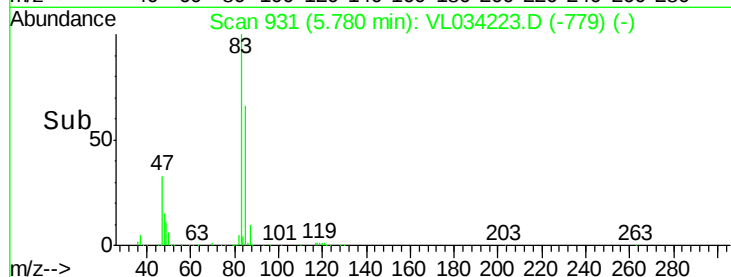
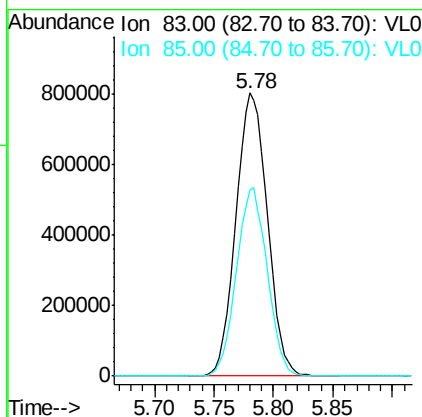
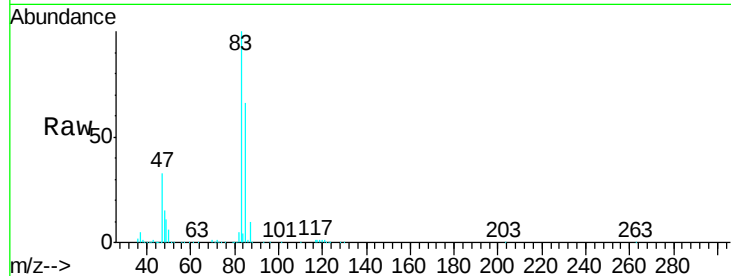
#29
Chloroform
Concen: 9.342 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1471360
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5

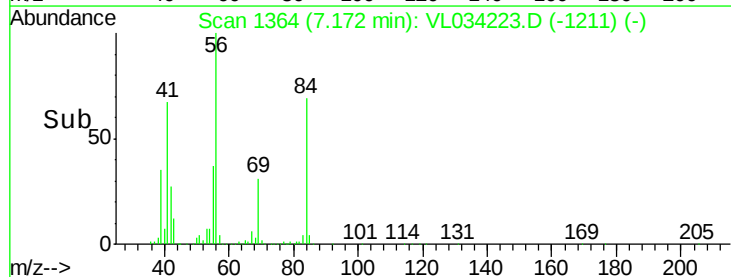
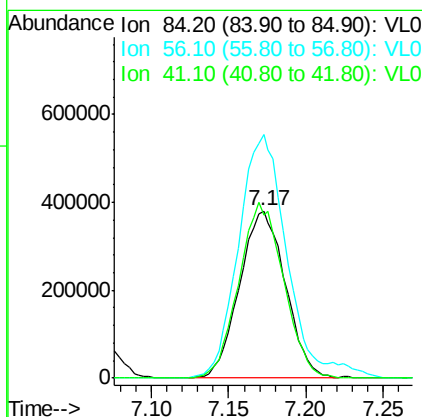
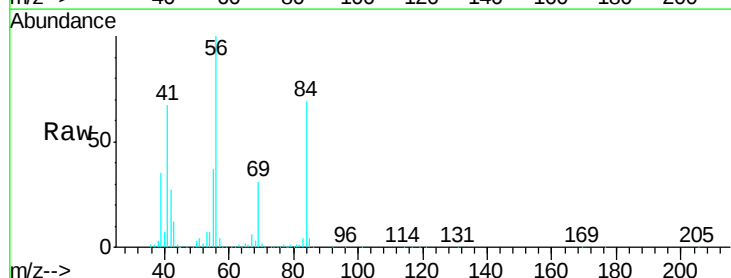
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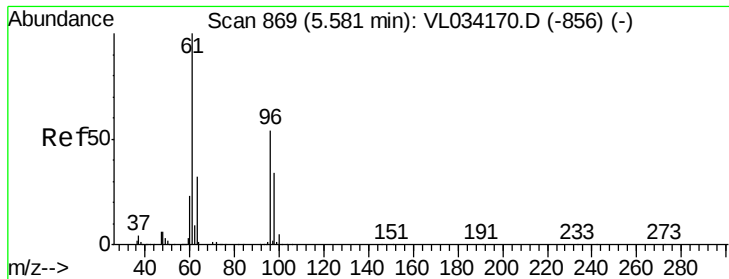
MMDadoda
10/11/2019 5:04:38 PM



#30
Cyclohexane
Concen: 9.774 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 84 Resp: 777750
Ion Ratio Lower Upper
84 100
56 156.1 126.2 189.2
41 103.8 85.8 128.8





#31

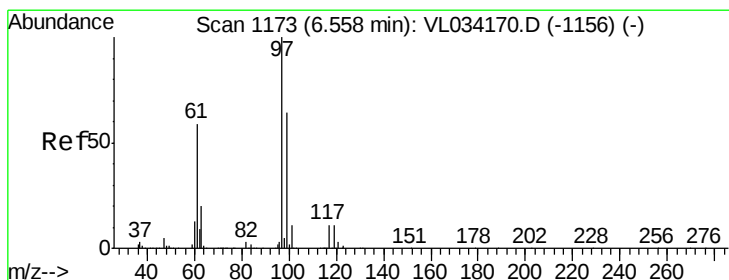
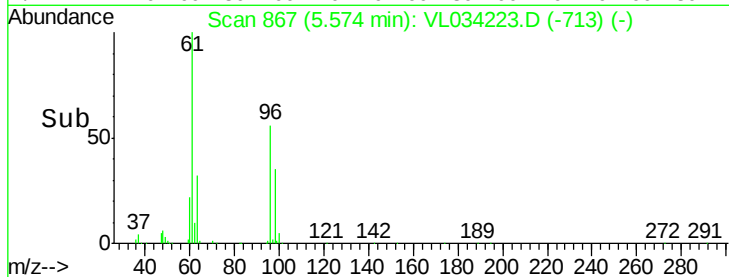
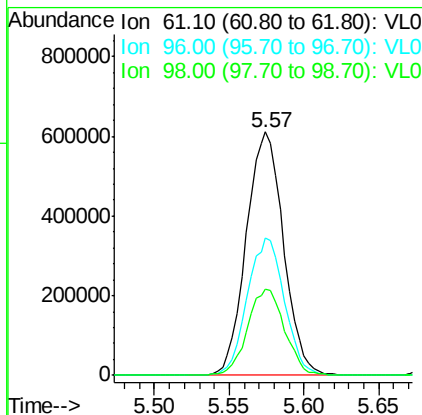
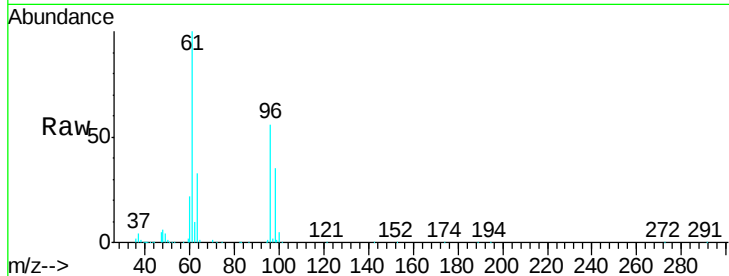
cis-1,2-Dichloroethene
Concen: 9.420 ppbv
RT: 5.57 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	56.3	43.0	64.4
98	35.4	27.2	40.8

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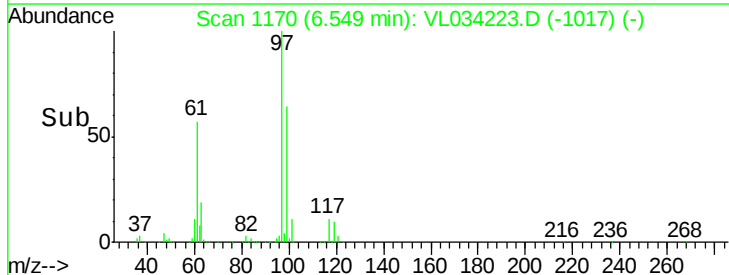
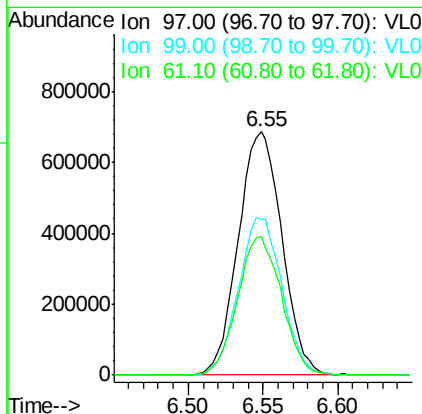
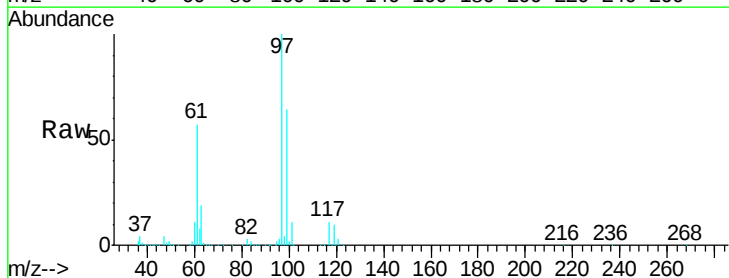
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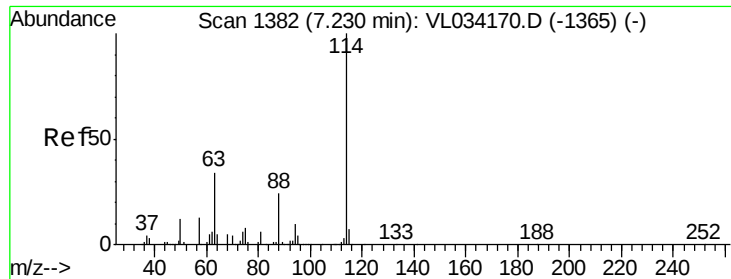


#32

1,1,1-Trichloroethane
Concen: 9.179 ppbv
RT: 6.55 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	57.4	48.4	72.6





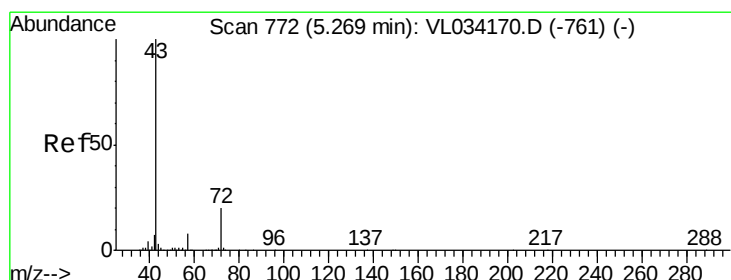
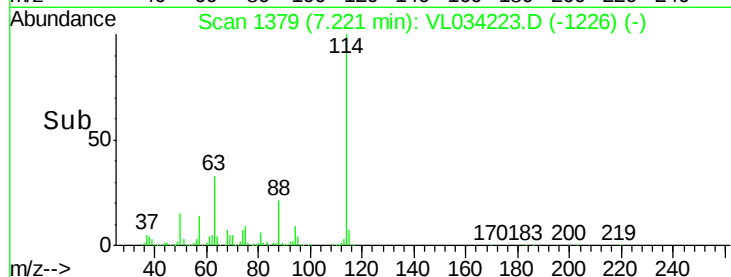
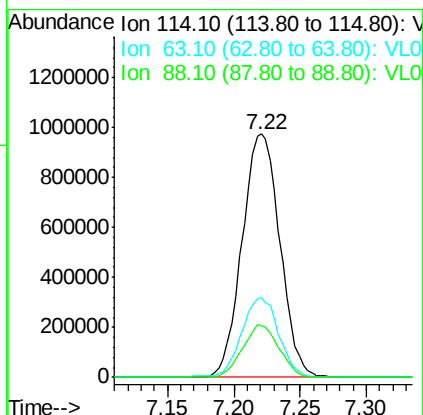
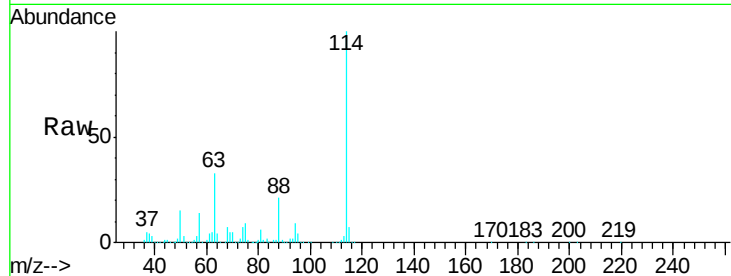
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 1929659
 Ion Ratio Lower Upper
 114 100
 63 32.5 27.8 41.6
 88 20.8 17.1 25.7

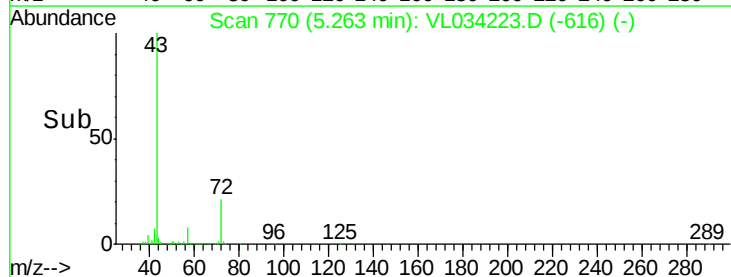
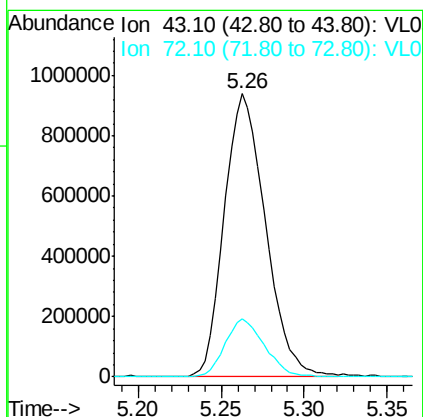
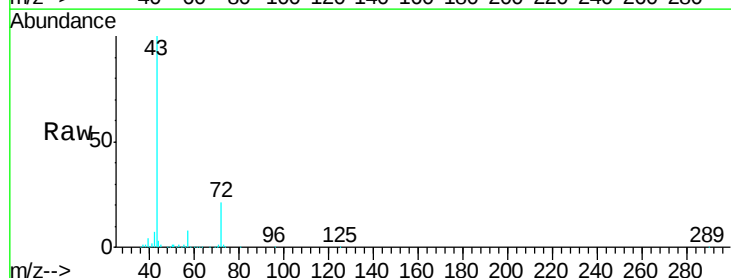
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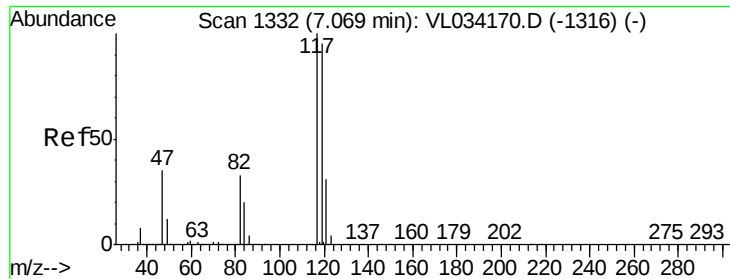
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#34
 2-Butanone
 Concen: 8.164 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 1608477
 Ion Ratio Lower Upper
 43 100
 72 20.1 15.0 22.6





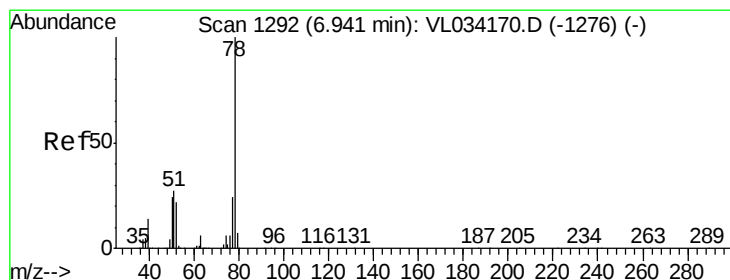
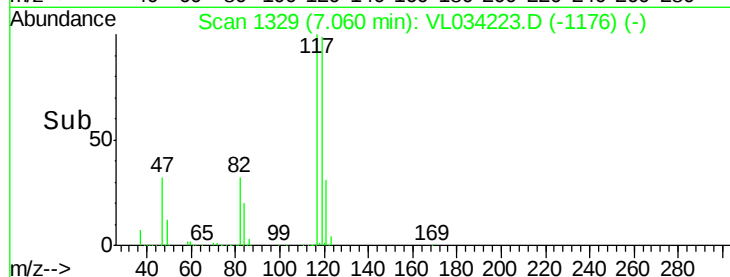
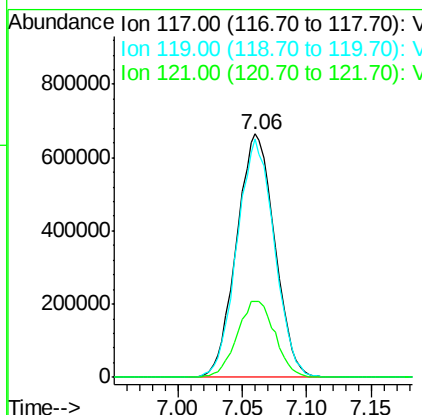
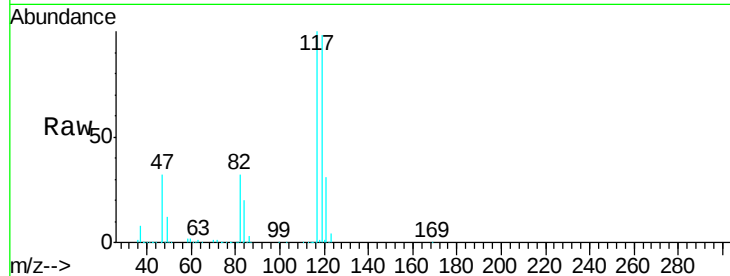
#35
Carbon Tetrachloride
Concen: 8.524 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 117 Resp: 1366595
Ion Ratio Lower Upper
117 100
119 98.0 75.8 113.6
121 31.4 25.0 37.6

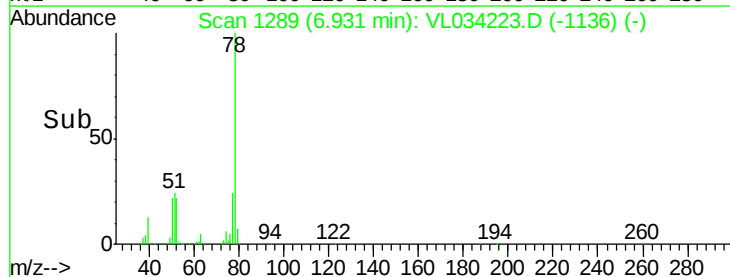
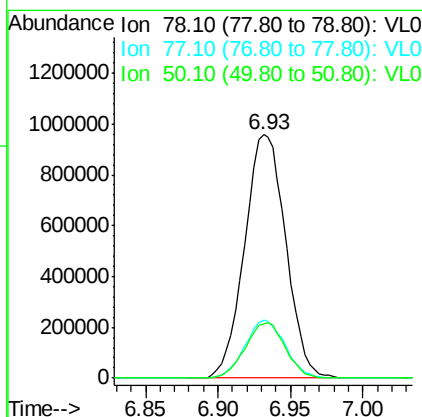
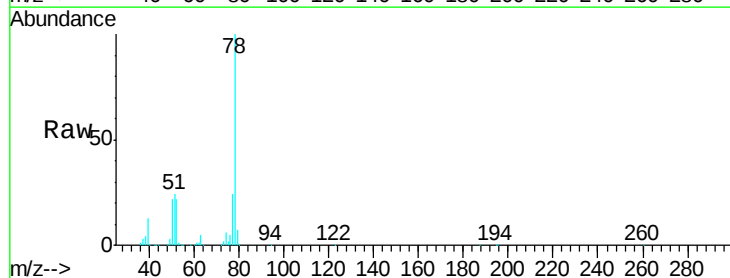
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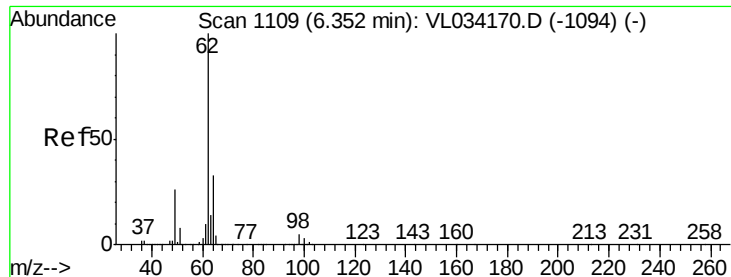
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#36
Benzene
Concen: 8.871 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 78 Resp: 1890670
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4
50 22.3 18.9 28.3





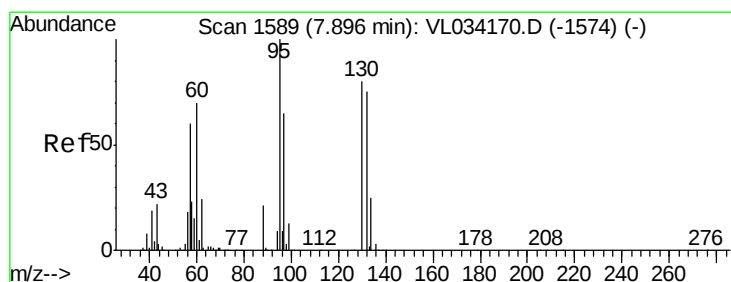
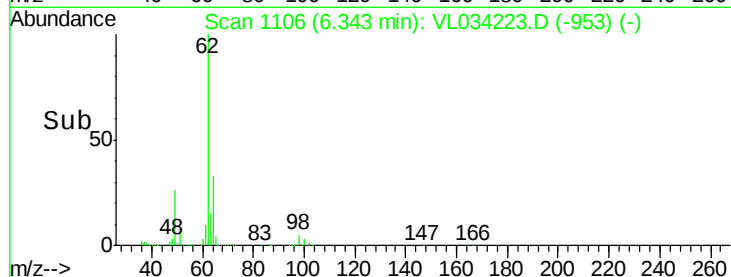
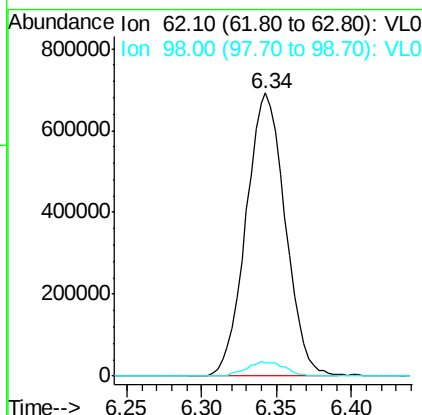
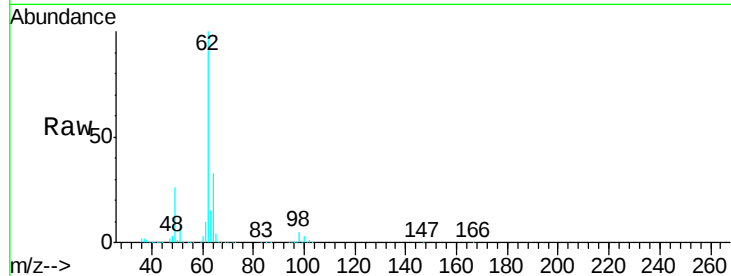
#37
 1,2-Dichloroethane
 Concen: 8.308 ppbv
 RT: 6.34 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1259435
 Ion Ratio Lower Upper
 62 100
 98 5.1 3.8 5.8

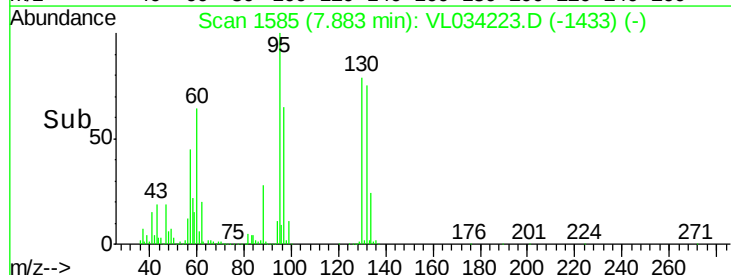
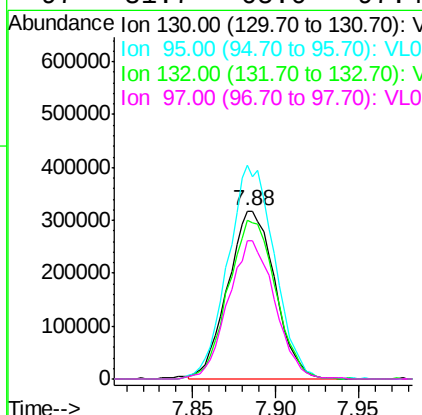
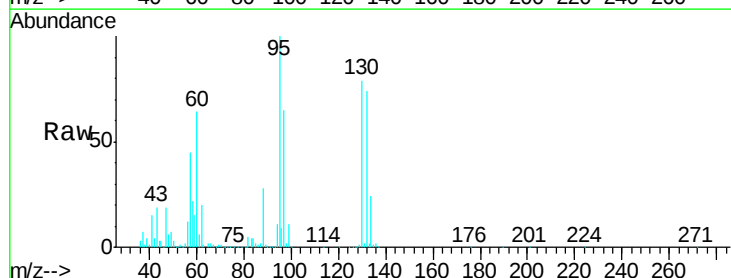
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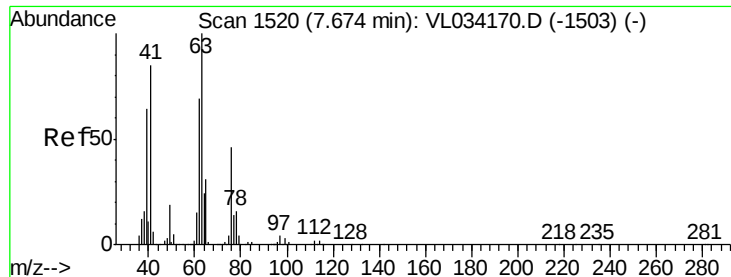
MMDadoda
 10/11/2019 5:04:38 PM



#38
 Trichloroethene
 Concen: 8.222 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Tgt Ion: 130 Resp: 626078
 Ion Ratio Lower Upper
 130 100
 95 126.5 99.8 149.6
 132 94.6 75.2 112.8
 97 81.7 65.0 97.4





#39

1,2-Dichloropropane

Concen: 8.627 ppbv

RT: 7.66 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

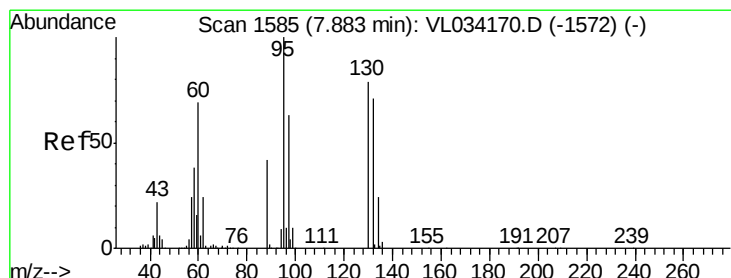
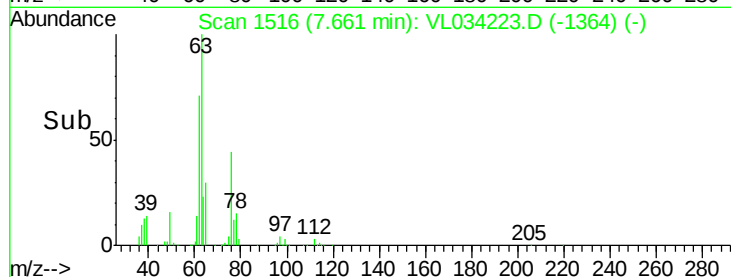
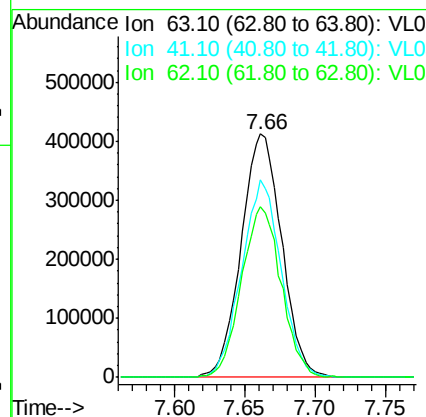
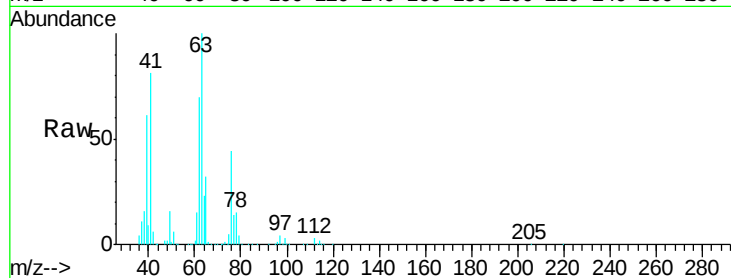
ClientSampleId :

VSTDCCC010

Tgt Ion:	63	Resp:	826114
Ion	Ratio	Lower	Upper
63	100		
41	81.1	68.4	102.6
62	70.0	55.4	83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.569 ppbv

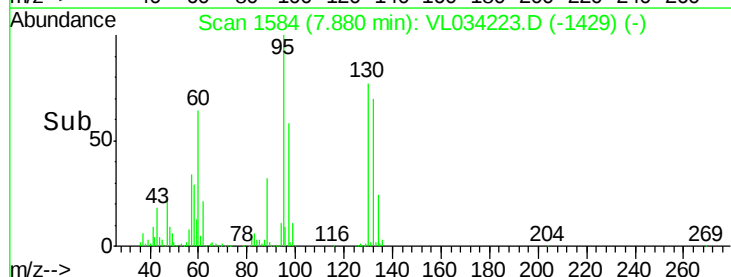
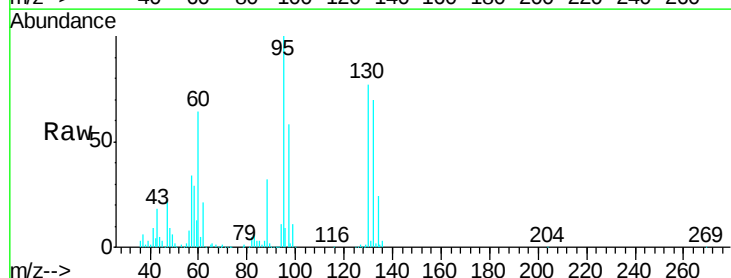
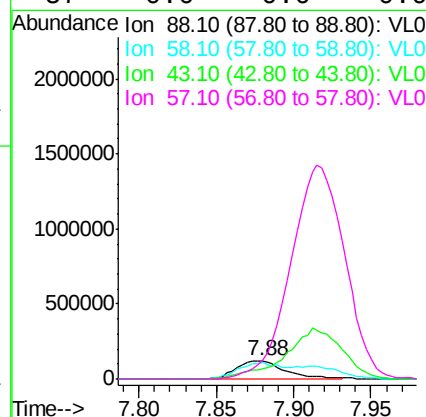
RT: 7.88 min Scan# 1584

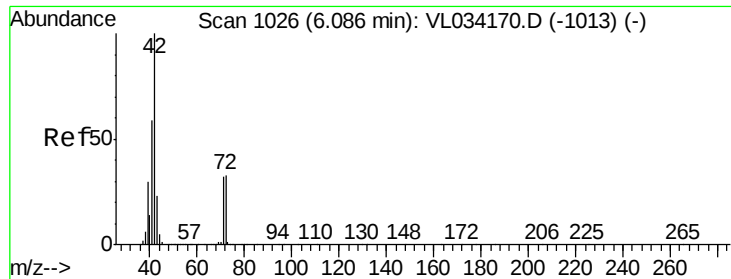
Delta R.T. -0.00 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion:	88	Resp:	265535
Ion	Ratio	Lower	Upper
88	100		
58	148.2	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





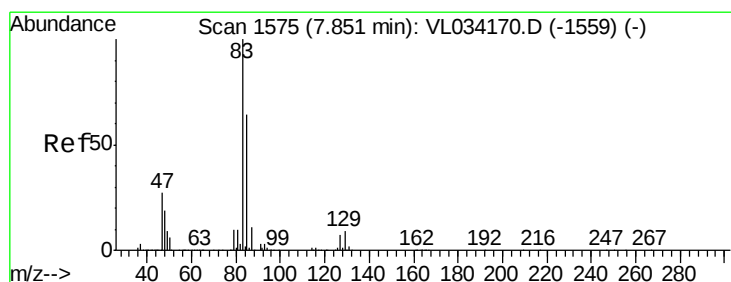
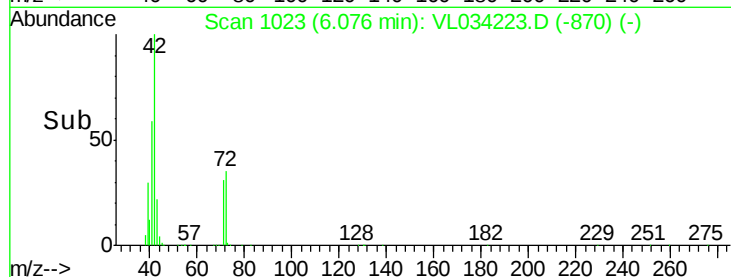
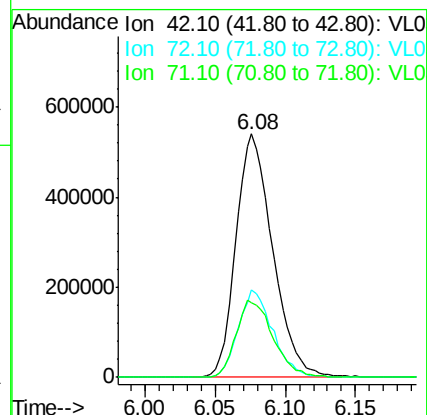
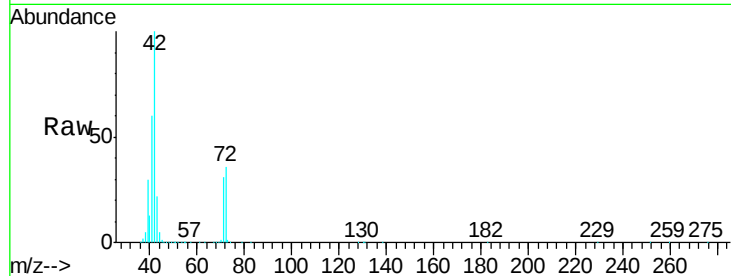
#41
Tetrahydrofuran
Concen: 8.870 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.9	26.6	40.0
71	32.0	25.1	37.7

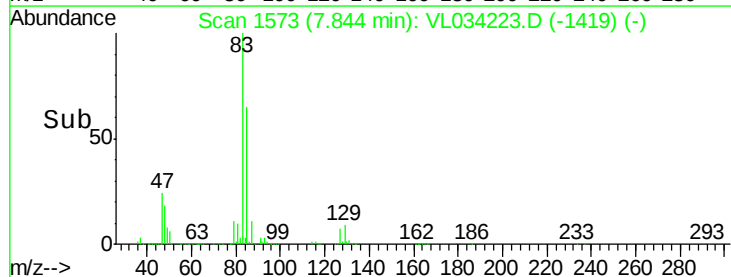
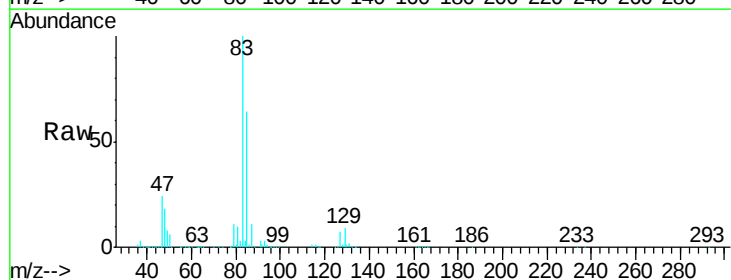
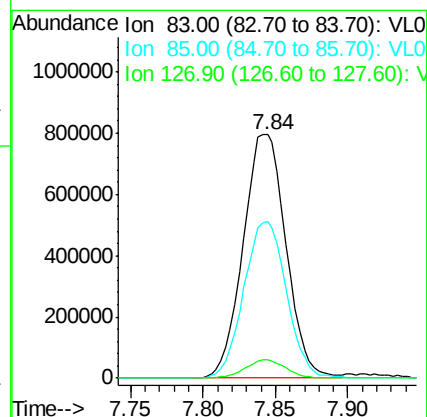
Manual Integrations
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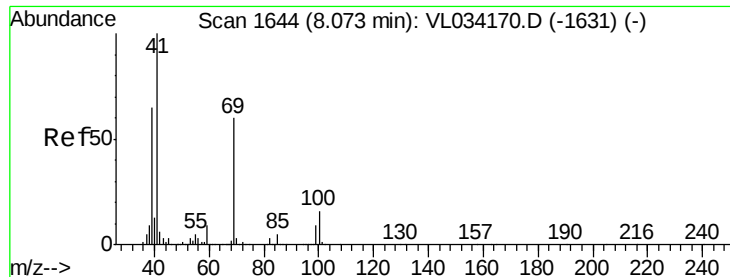
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#42
Bromodichloromethane
Concen: 9.008 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.0
127	7.4	5.5	8.3





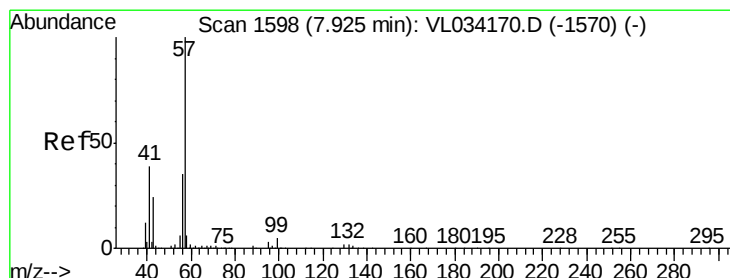
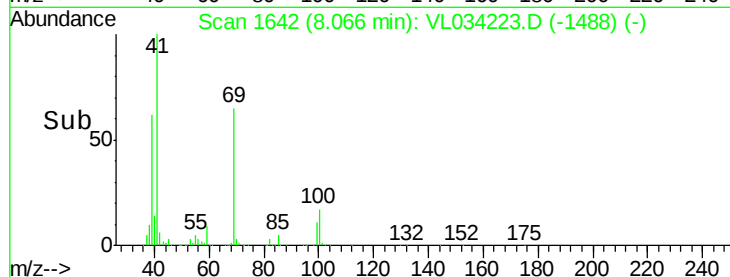
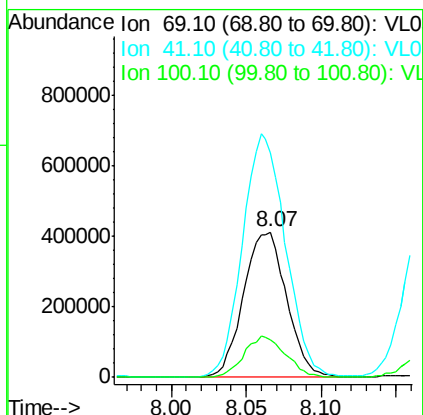
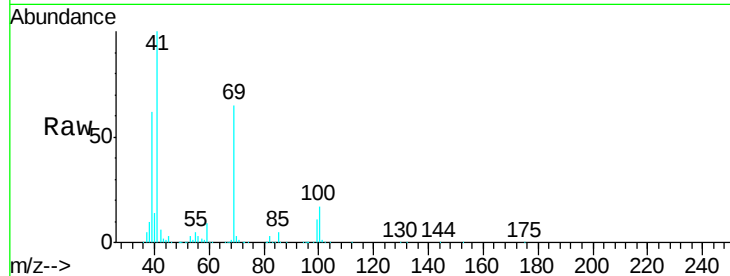
#43
Methyl Methacrylate
Concen: 9.392 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	166.9	140.4	210.6
100	27.3	21.9	32.9

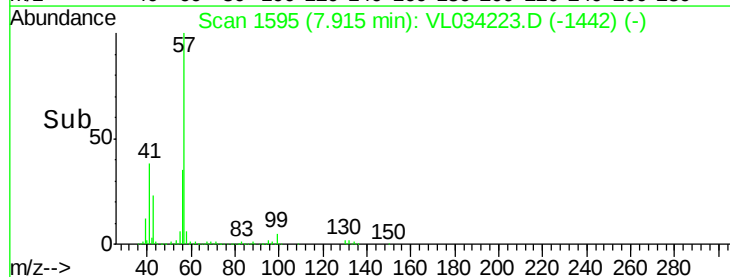
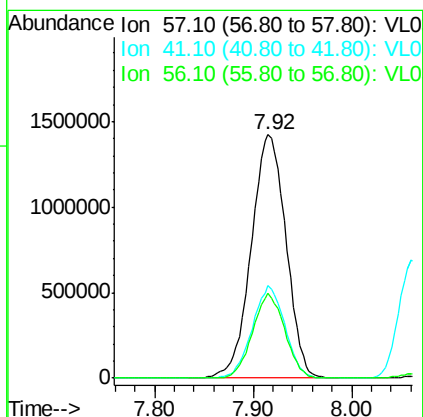
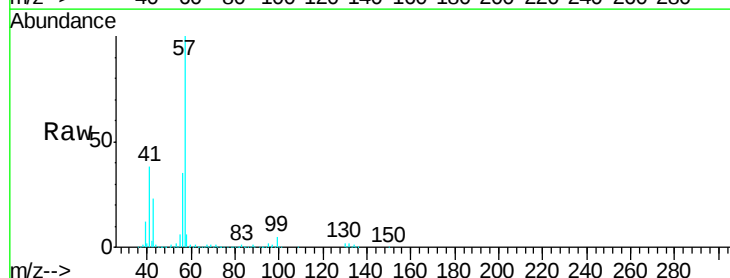
Manual Integrations
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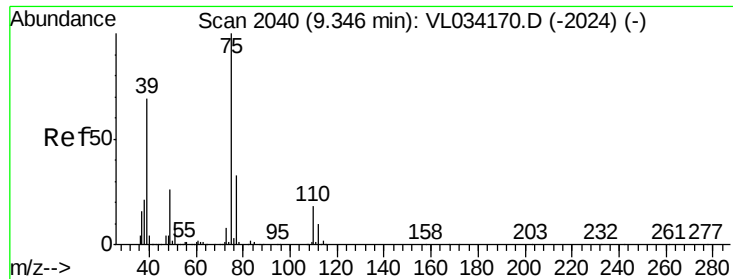
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#44
2,2,4-Trimethylpentane
Concen: 8.433 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.5	29.8	44.6
56	32.2	25.9	38.9





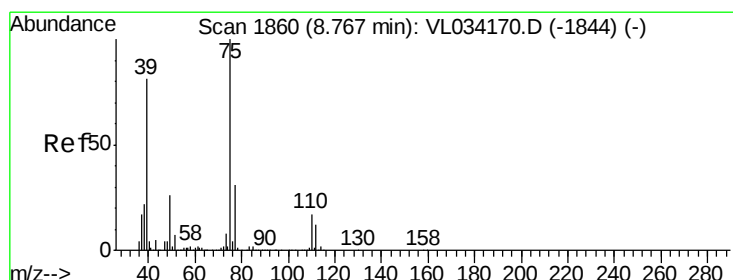
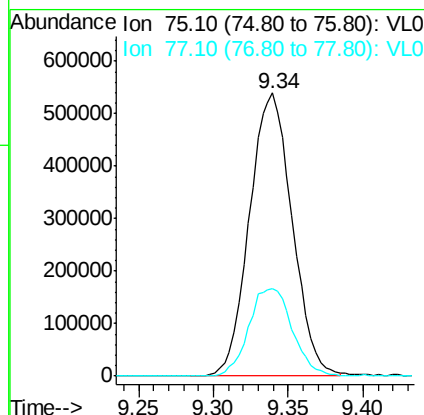
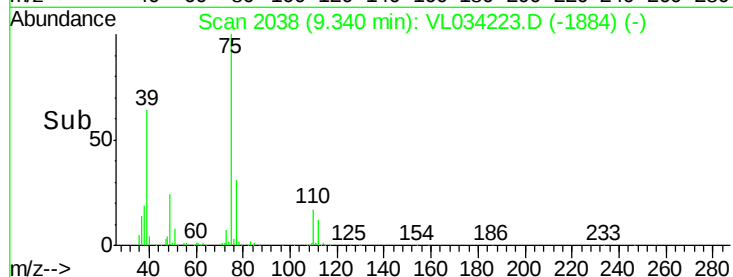
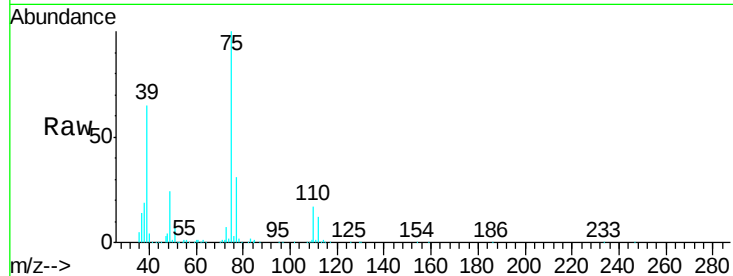
#45
t-1,3-Dichloropropene
Concen: 10.279 ppbv
RT: 9.34 min Scan# 2038
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1070057
Ion Ratio Lower Upper
75 100
77 30.9 26.2 39.2

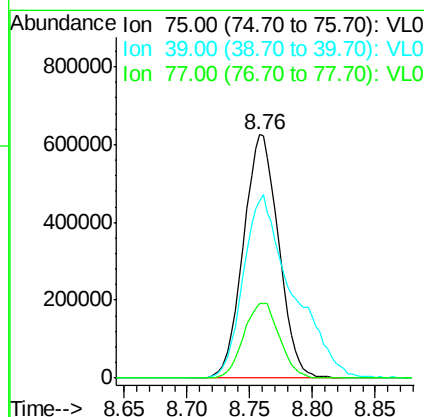
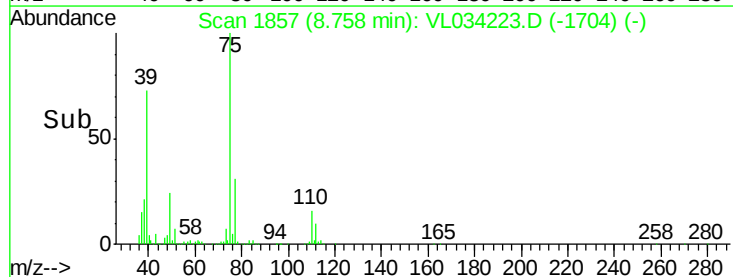
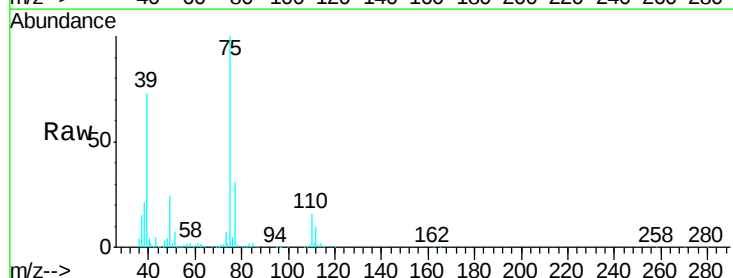
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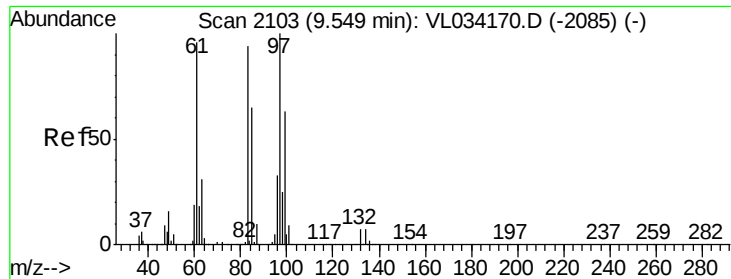
MMDadoda
10/11/2019 5:04:38 PM



#46
cis-1,3-Dichloropropene
Concen: 9.751 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 75 Resp: 1221016
Ion Ratio Lower Upper
75 100
39 72.5 65.0 97.4
77 30.9 24.5 36.7





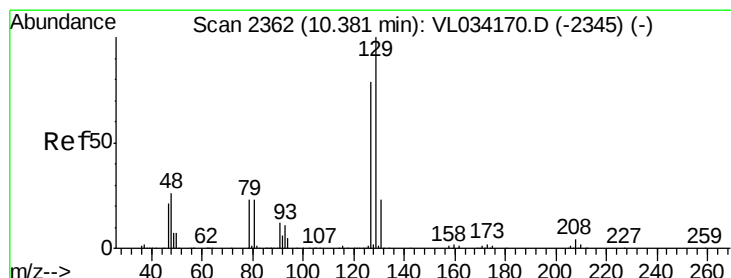
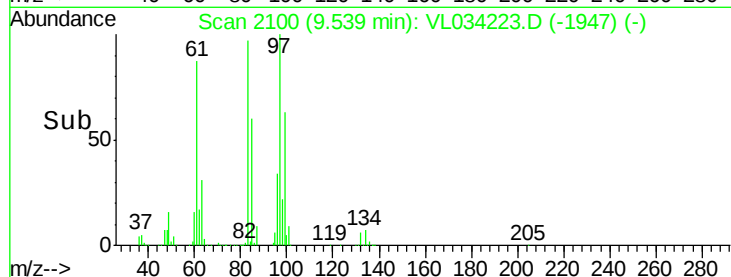
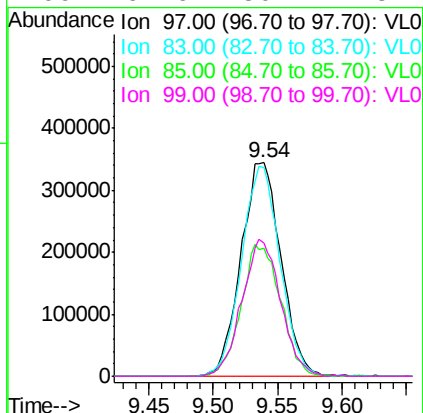
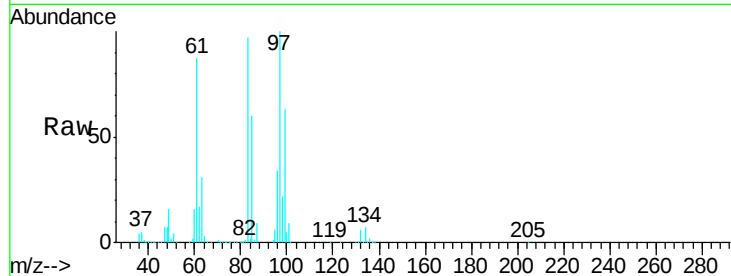
#47
 1,1,2-Trichloroethane
 Concen: 8.684 ppbv
 RT: 9.54 min Scan# 2100
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	97.4	75.3	112.9
85	60.0	52.1	78.1
99	62.6	50.2	75.2

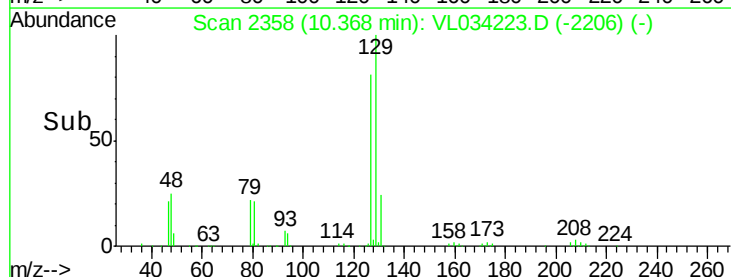
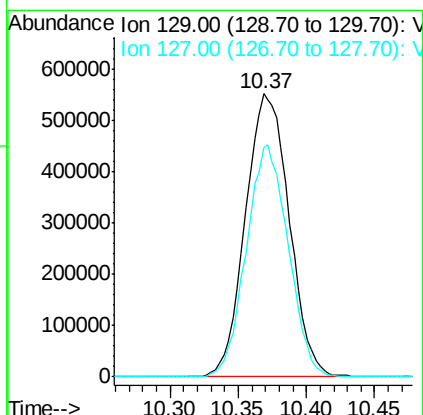
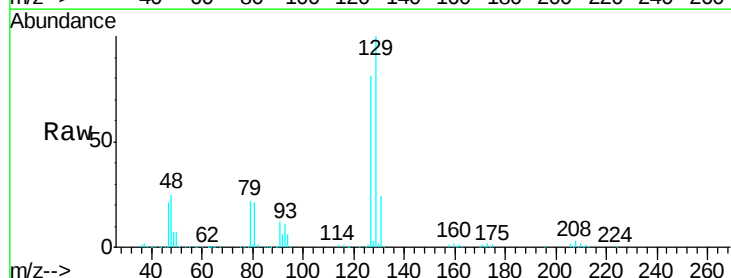
Manual Integrations
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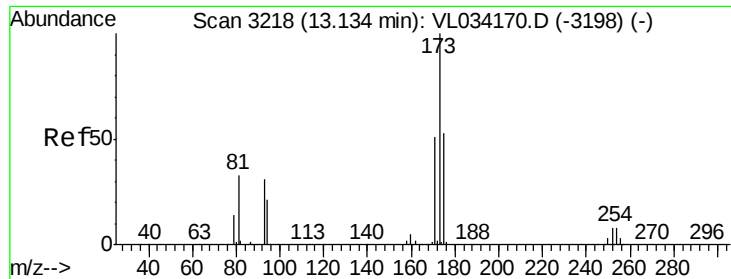
MMDadoda
 10/11/2019 5:04:38 PM



#48
 Dibromochloromethane
 Concen: 9.016 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6





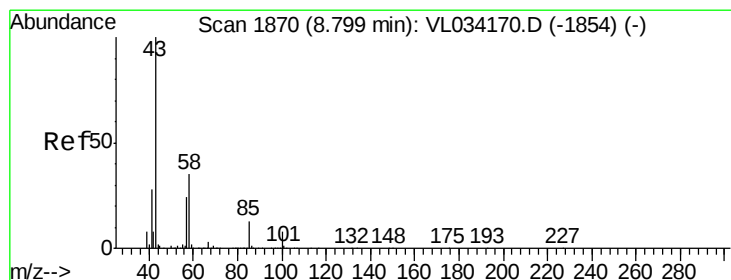
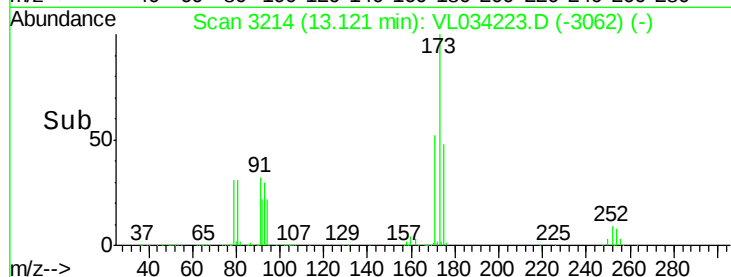
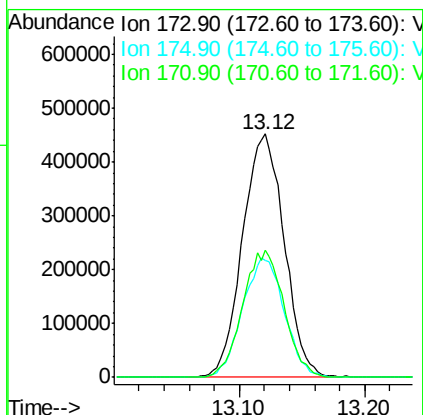
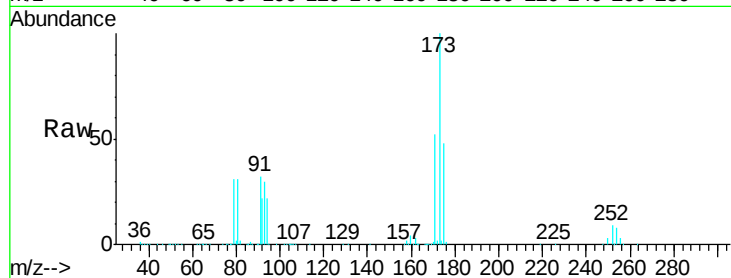
#49
Bromoform
Concen: 9.473 ppbv
RT: 13.12 min Scan# 3214
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 1044769
Ion Ratio Lower Upper
173 100
175 49.4 40.3 60.5
171 51.9 42.0 63.0

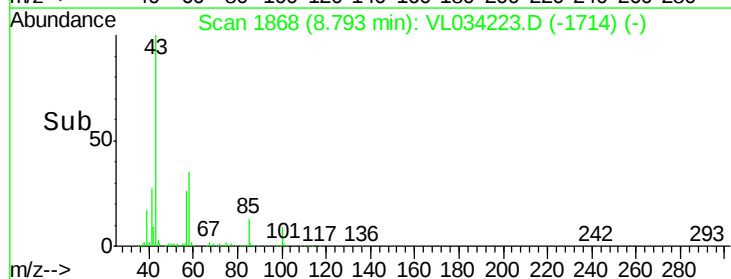
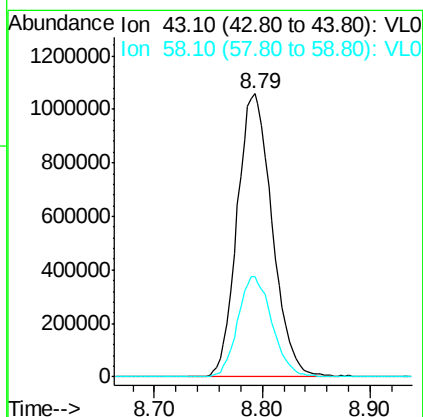
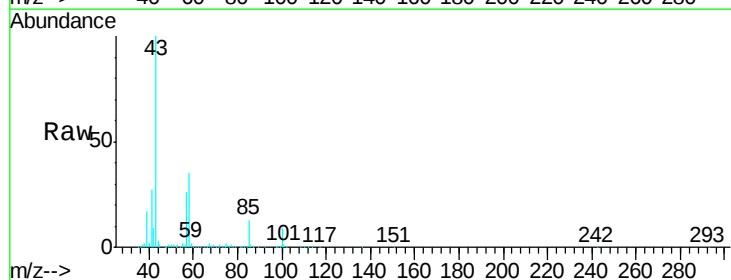
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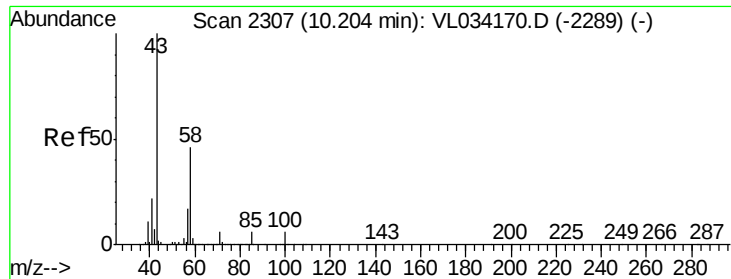
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.328 ppbv
RT: 8.79 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 43 Resp: 2388010
Ion Ratio Lower Upper
43 100
58 34.8 27.6 41.4





#51

2-Hexanone

Concen: 8.345 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

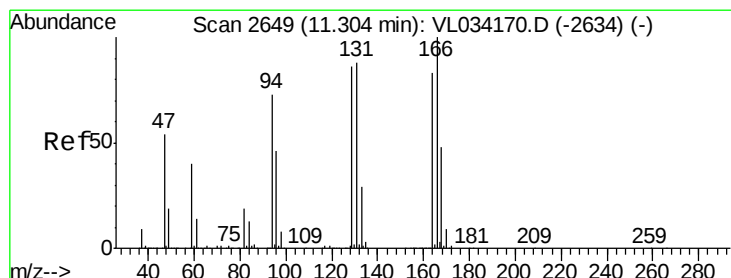
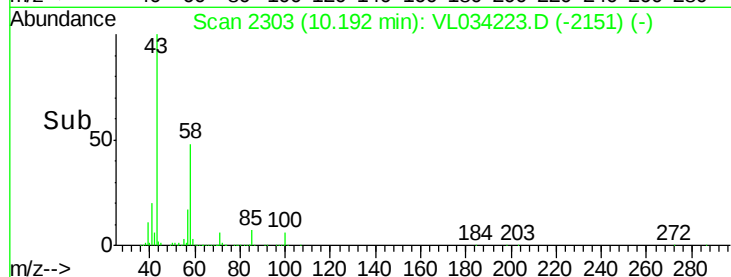
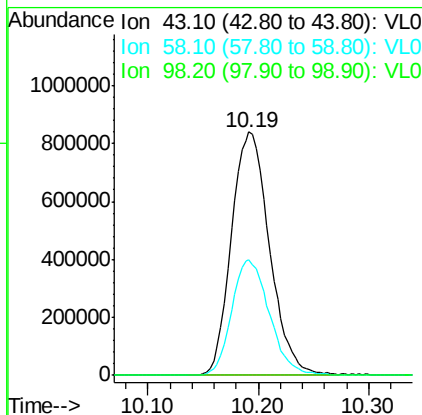
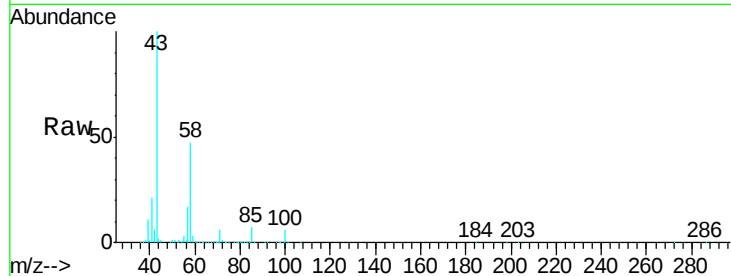
VSTDCCC010

Tgt Ion: 43 Resp: 2008286

Ion	Ratio	Lower	Upper
43	100		
58	47.1	36.2	54.4
98	0.1	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.239 ppbv

RT: 11.29 min Scan# 2646

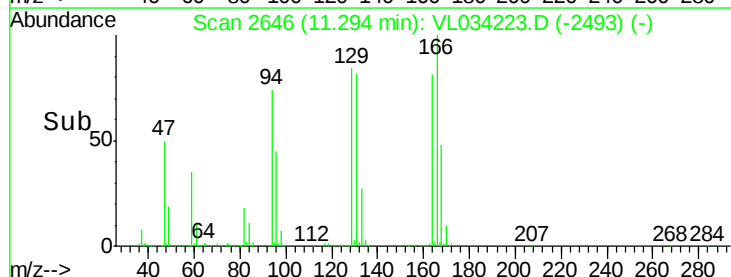
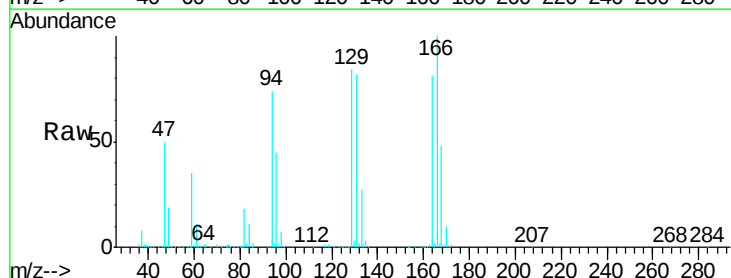
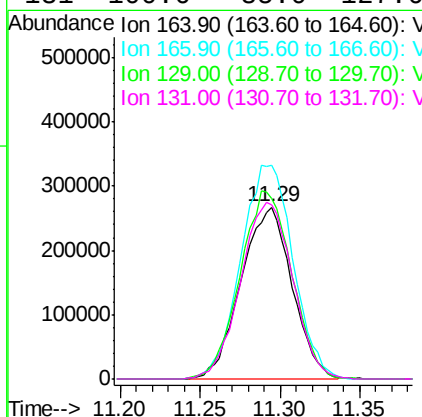
Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion: 164 Resp: 580114

Ion	Ratio	Lower	Upper
164	100		
166	124.0	96.7	145.1
129	104.7	82.8	124.2
131	100.6	85.0	127.6





#53

Toluene

Concen: 9.080 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2114952

Ion Ratio Lower Upper

91 100

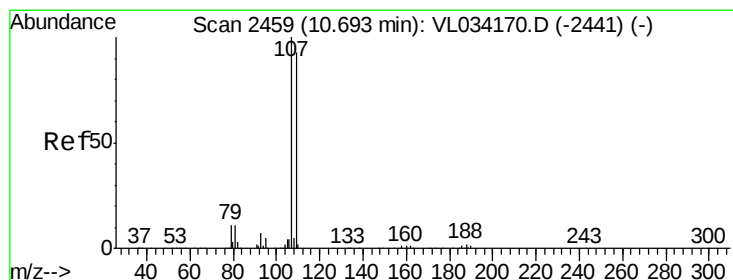
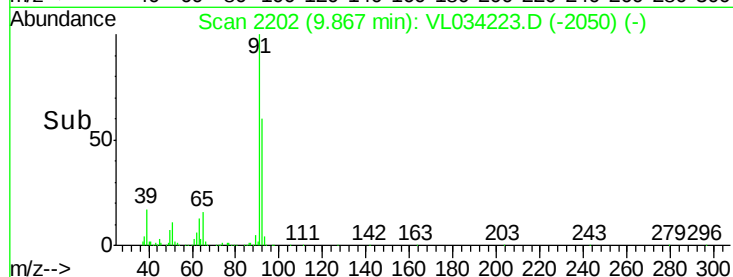
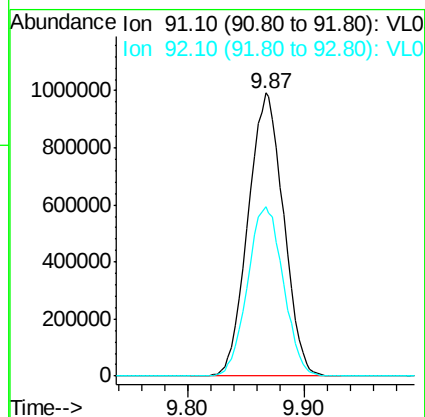
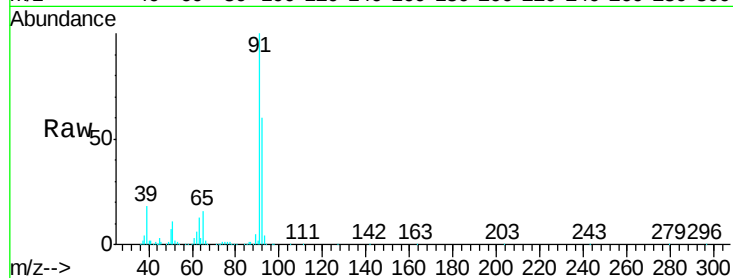
92 60.4 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 8.710 ppbv

RT: 10.68 min Scan# 2455

Delta R.T. -0.01 min

Lab File: VL034223.D

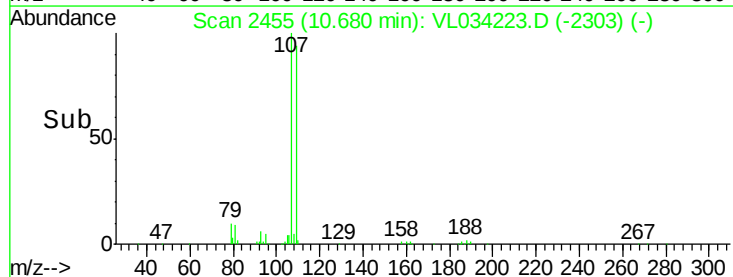
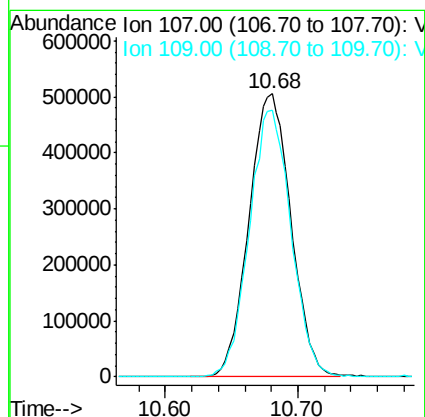
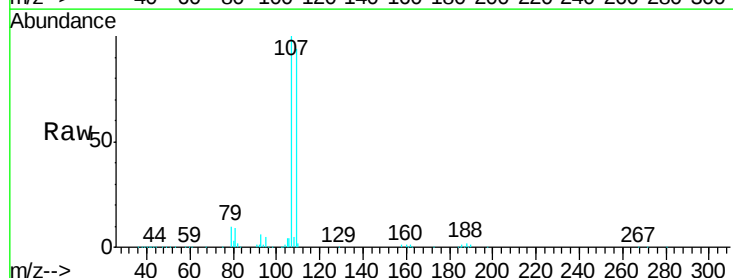
Acq: 7 Oct 2019 12:13

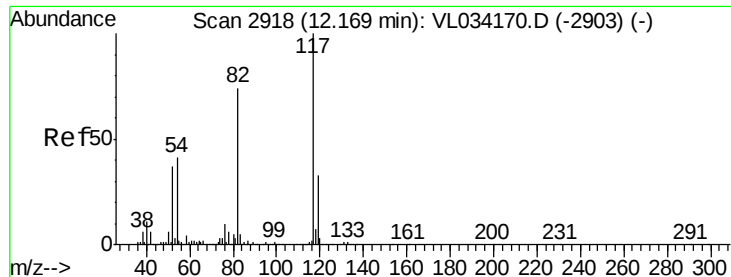
Tgt Ion: 107 Resp: 1113722

Ion Ratio Lower Upper

107 100

109 94.4 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.16 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 2144254

Ion Ratio Lower Upper

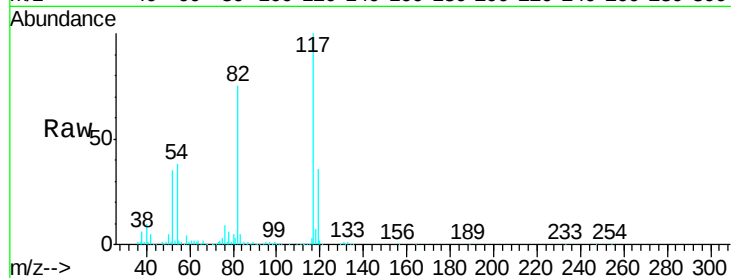
117 100

82 70.7 58.2 87.4

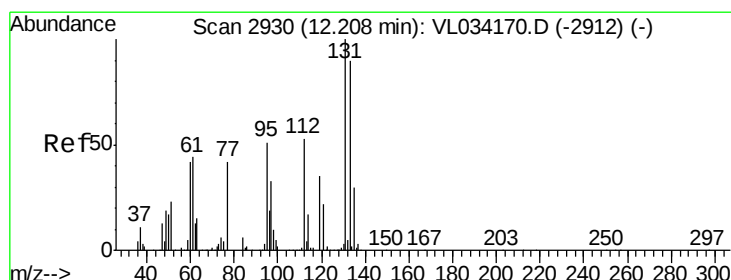
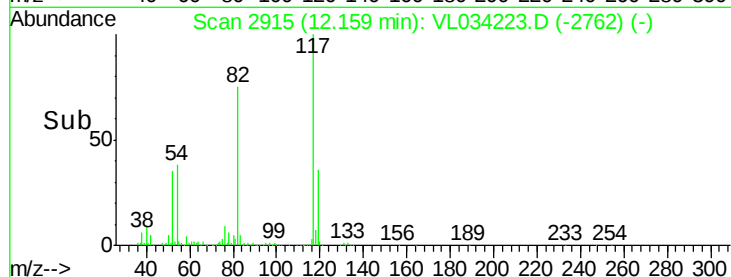
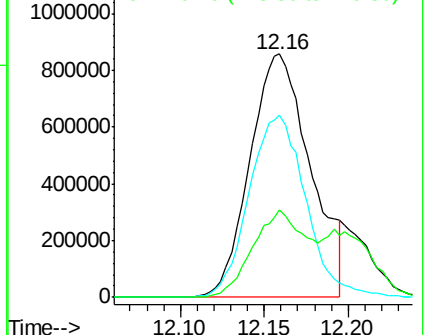
119 53.7 23.7 35.5#

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.371 ppbv

RT: 12.20 min Scan# 2927

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

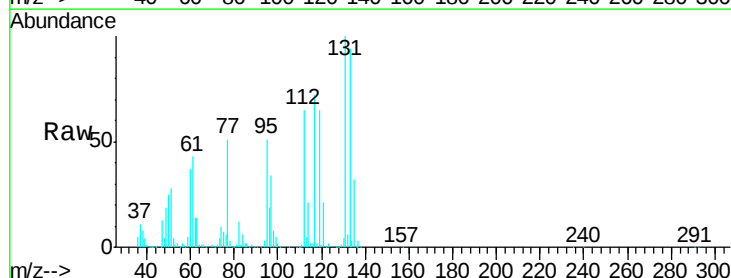
Tgt Ion:131 Resp: 800526

Ion Ratio Lower Upper

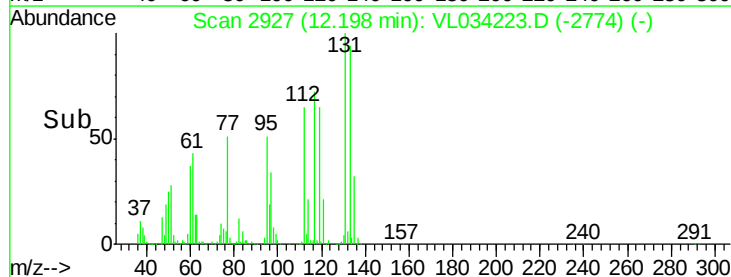
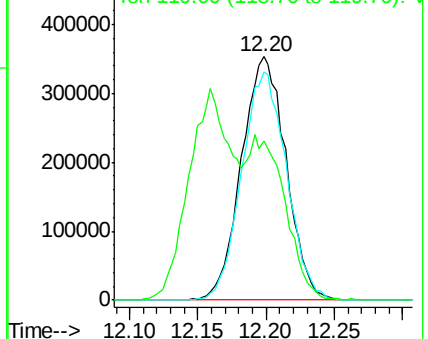
131 100

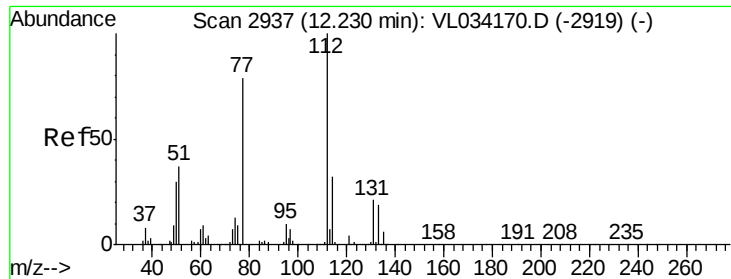
133 94.5 75.1 112.7

119 58.4 47.4 71.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





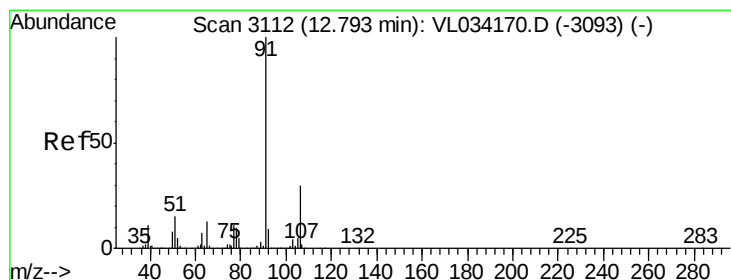
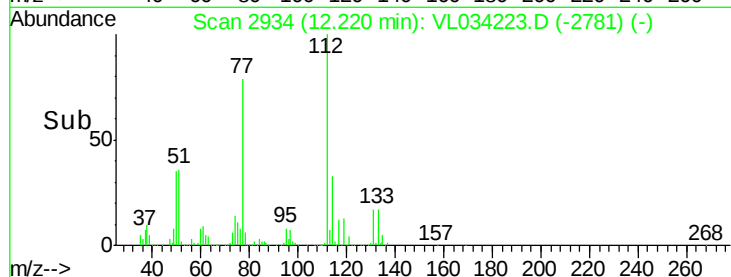
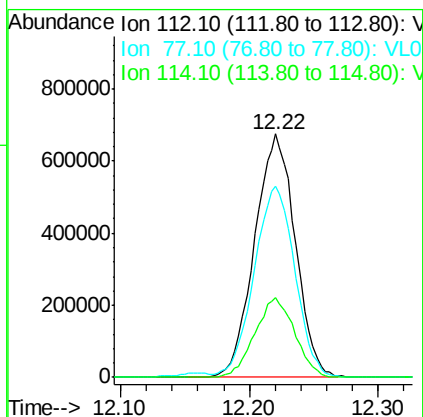
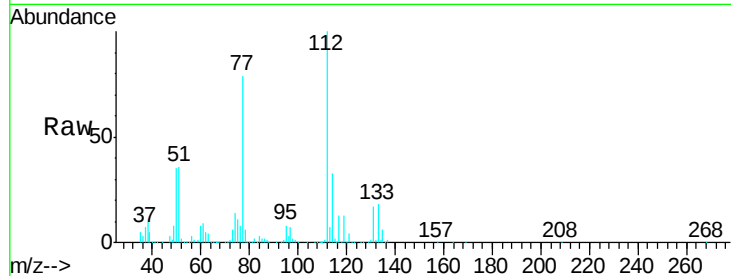
#57
Chlorobenzene
Concen: 7.922 ppbv
RT: 12.22 min Scan# 2934
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 1478906
Ion Ratio Lower Upper
112 100
77 78.3 64.3 96.5
114 32.7 28.9 35.3

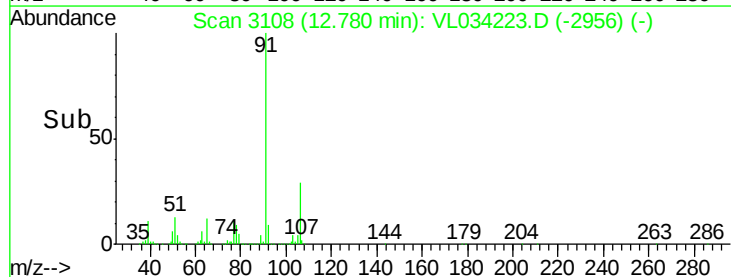
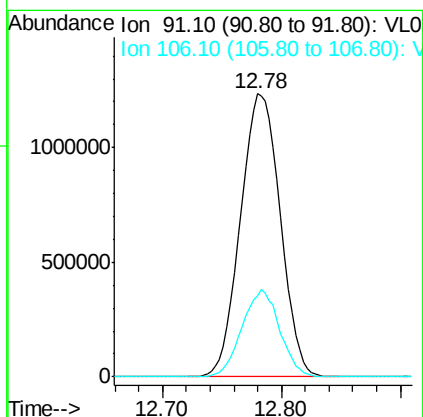
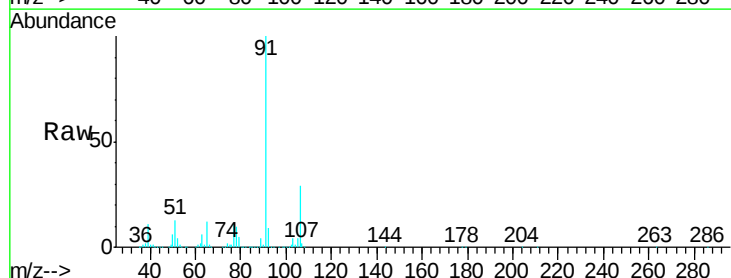
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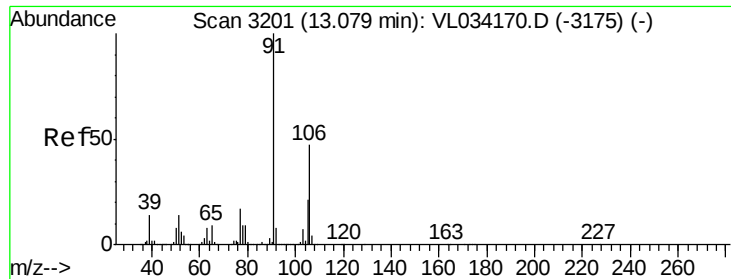
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#58
Ethyl Benzene
Concen: 8.264 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 2859207
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.4





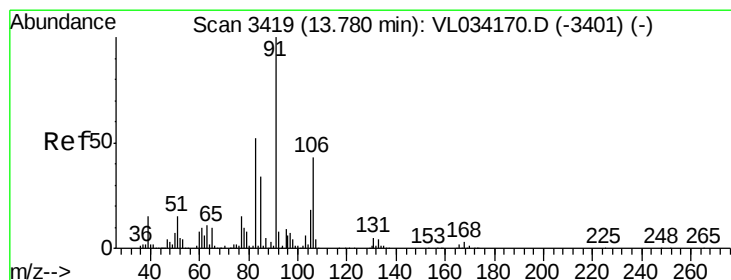
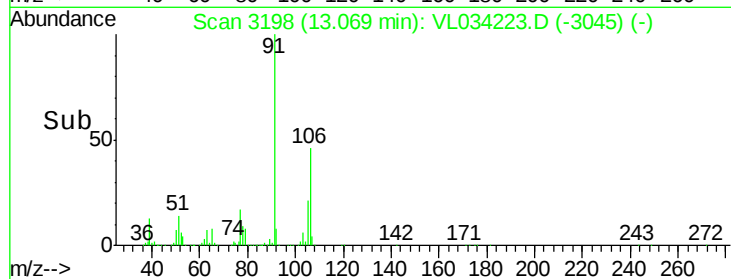
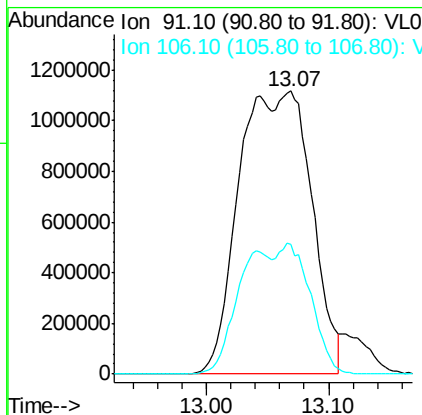
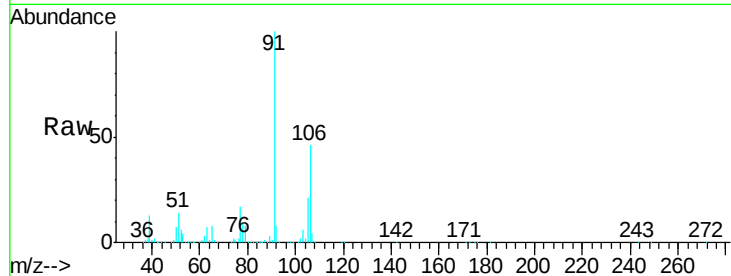
#59
m/p-Xylene
Concen: 16.018 ppbv m
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4590103
Ion Ratio Lower Upper
91 100
106 43.6 35.5 53.3

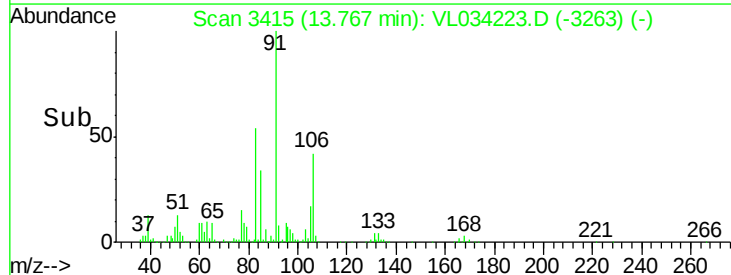
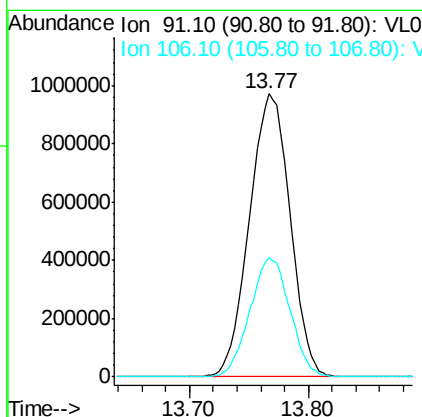
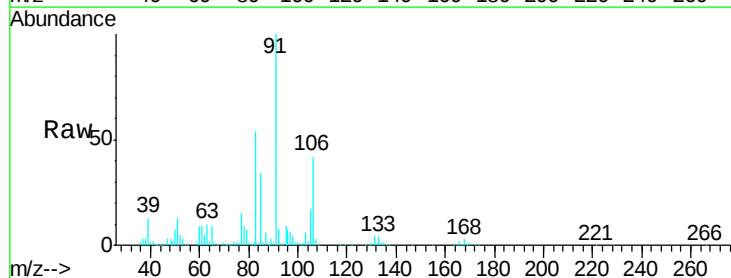
Manual Integrations
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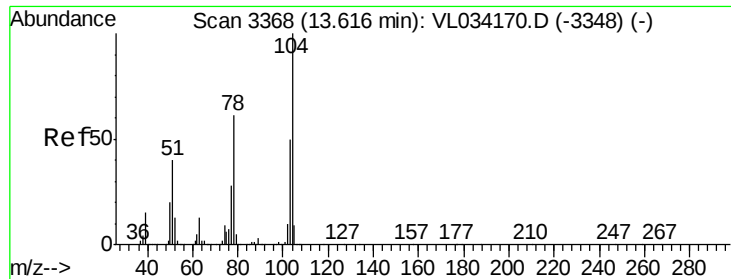
MMDadoda
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#60
o-Xylene
Concen: 8.026 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion: 91 Resp: 2299853
Ion Ratio Lower Upper
91 100
106 41.6 21.2 63.6





#61

Styrene

Concen: 8.411 ppbv

RT: 13.60 min Scan# 3364

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1726483

Ion Ratio Lower Upper

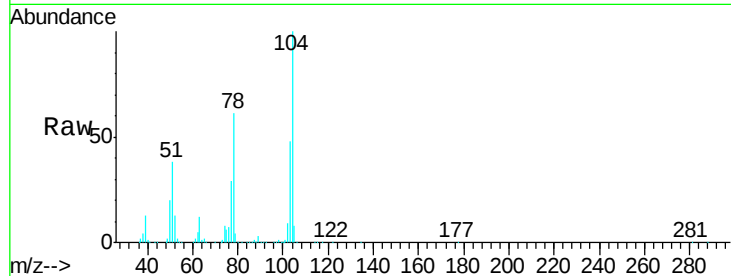
104 100

78 60.0 49.7 74.5

103 47.8 38.4 57.6

Manual Integrations
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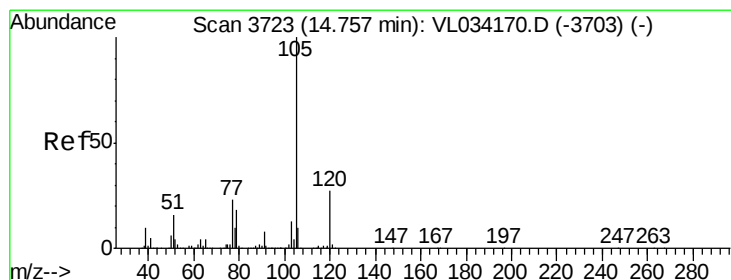
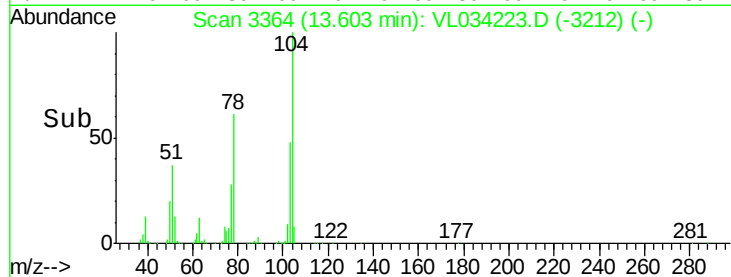
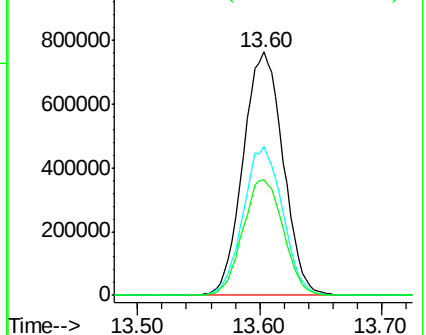
MMDadoda
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.051 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. -0.02 min

Lab File: VL034223.D

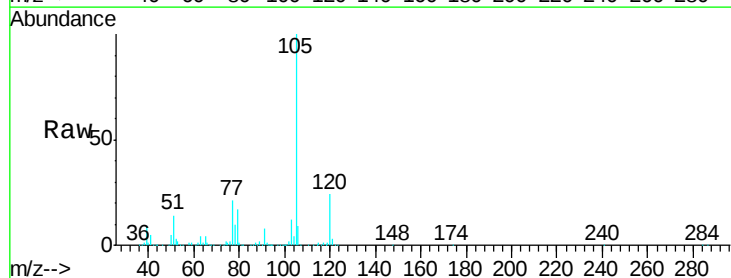
Acq: 7 Oct 2019 12:13

Tgt Ion:105 Resp: 2986295

Ion Ratio Lower Upper

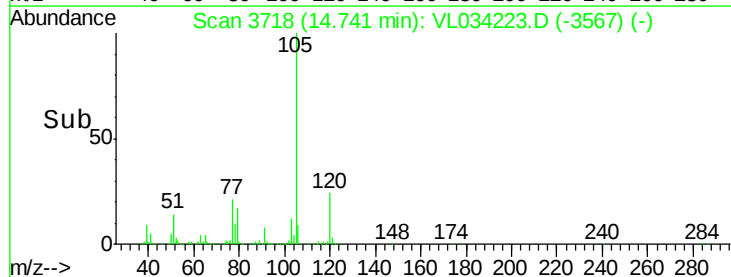
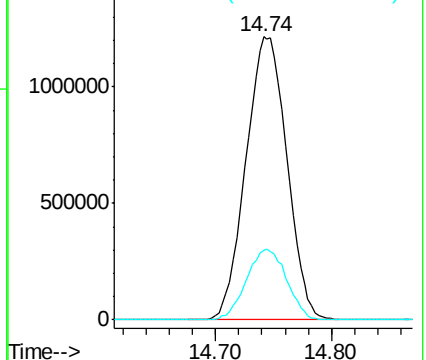
105 100

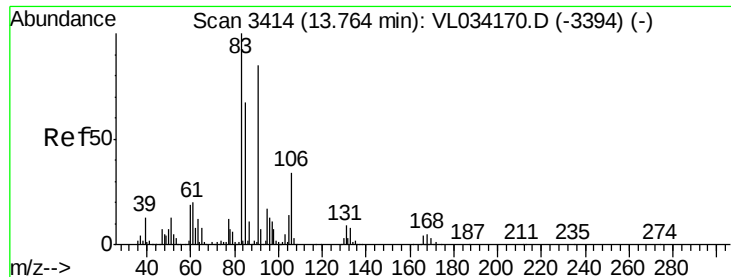
120 24.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.012 ppbv

RT: 13.76 min Scan# 3412

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1647679

Ion Ratio Lower Upper

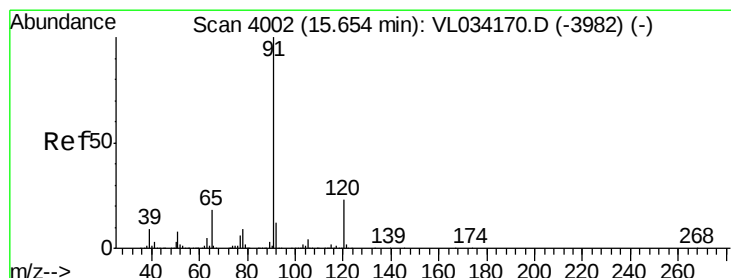
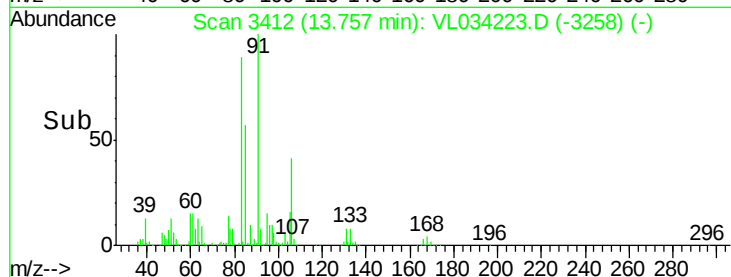
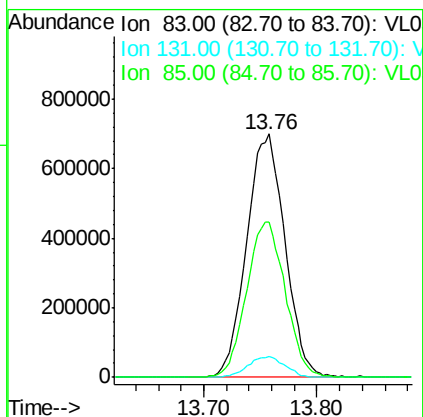
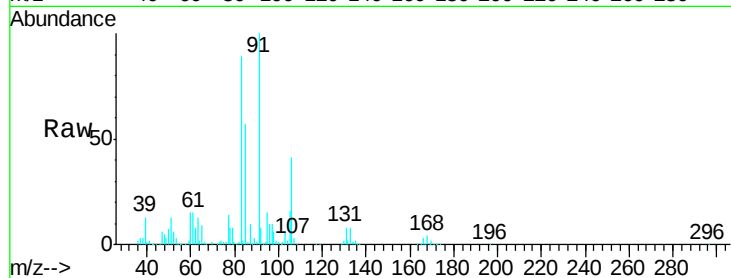
83 100

131 8.3 4.3 12.8

85 64.7 32.8 98.4

Manual Integrations
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#64

n-propylbenzene

Concen: 8.206 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL034223.D

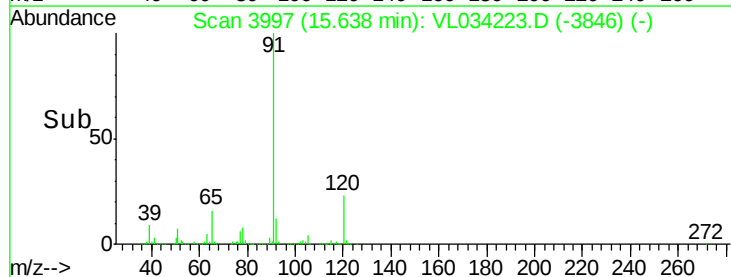
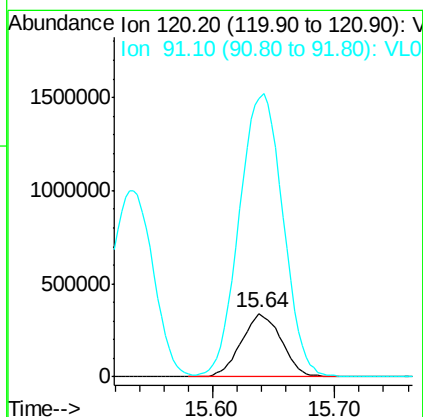
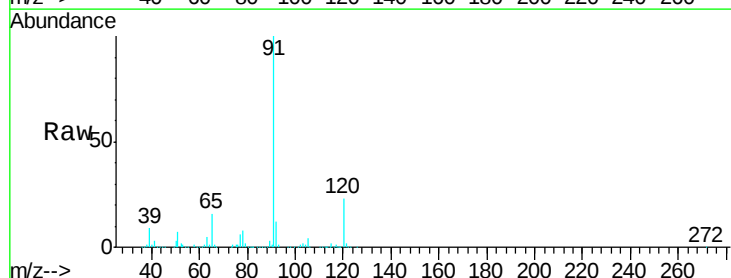
Acq: 7 Oct 2019 12:13

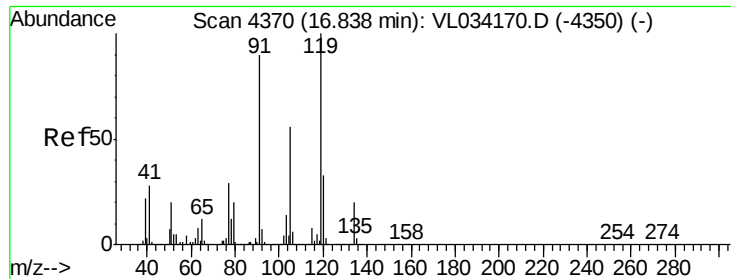
Tgt Ion: 120 Resp: 770136

Ion Ratio Lower Upper

120 100

91 488.9 378.2 567.2





#65

tert-Butylbenzene

Concen: 7.762 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 119 Resp: 2515836

Ion Ratio Lower Upper

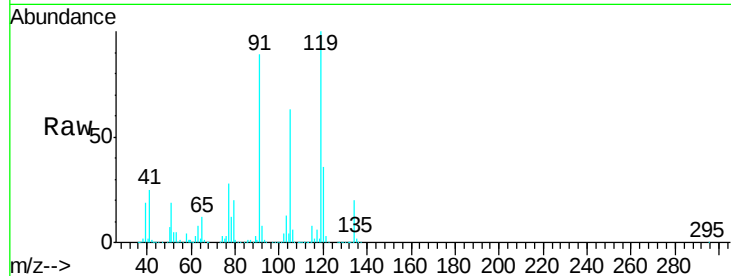
119 100

91 91.0 74.9 112.3

134 19.5 15.8 23.6

Manual Integrations
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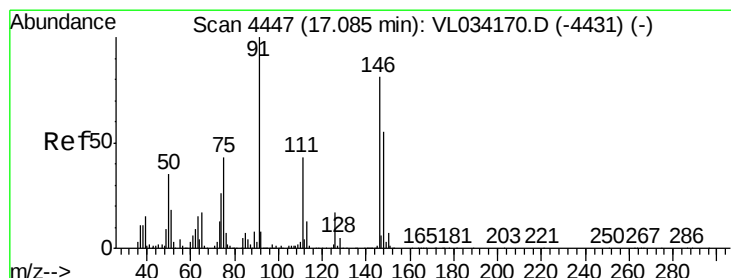
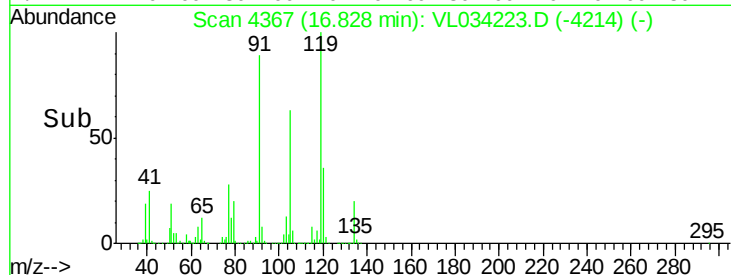
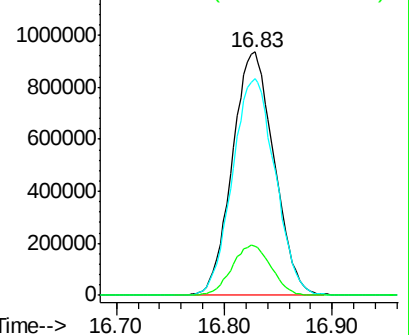
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.707 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

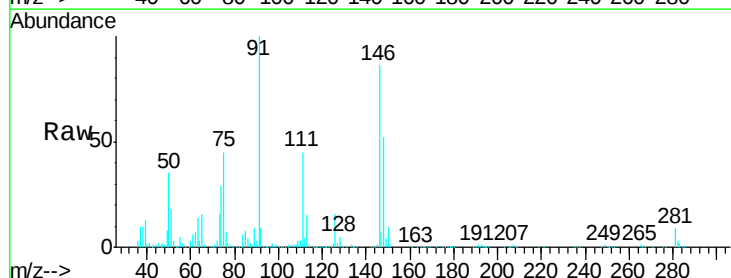
Tgt Ion: 91 Resp: 1227776

Ion Ratio Lower Upper

91 100

126 15.6 12.6 19.0

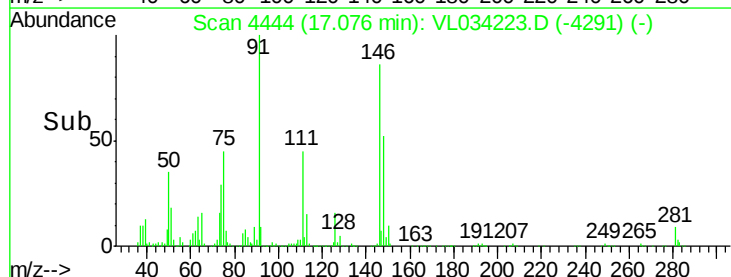
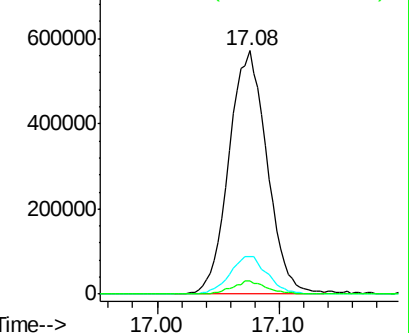
128 5.0 4.0 6.0

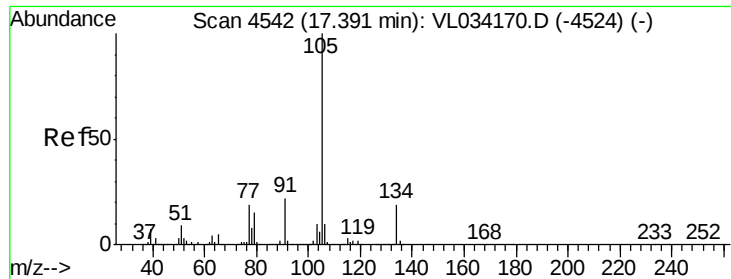


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.873 ppbv

RT: 17.38 min Scan# 4538

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 3648844

Ion Ratio Lower Upper

105 100

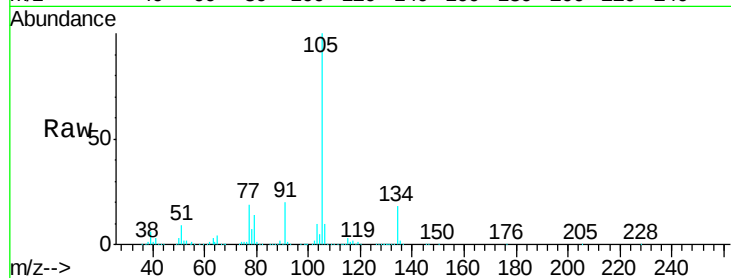
134 17.8 14.6 22.0

Manual Integrations

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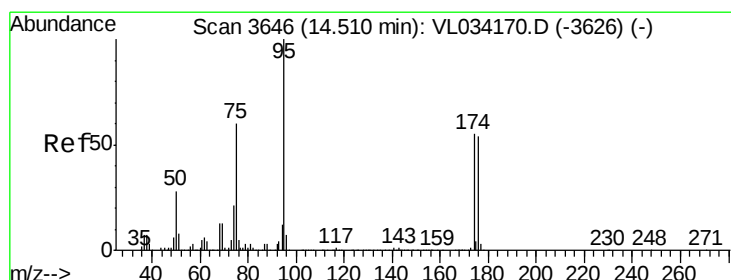
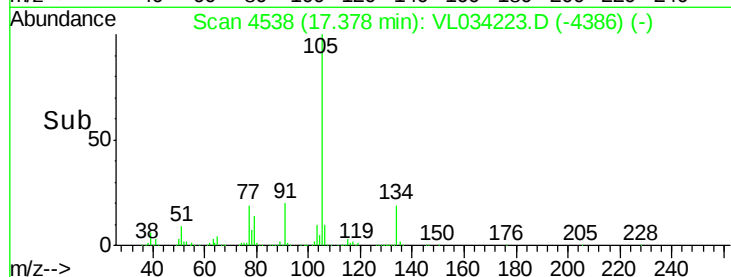
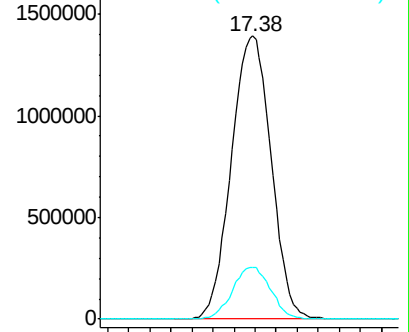
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.260 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

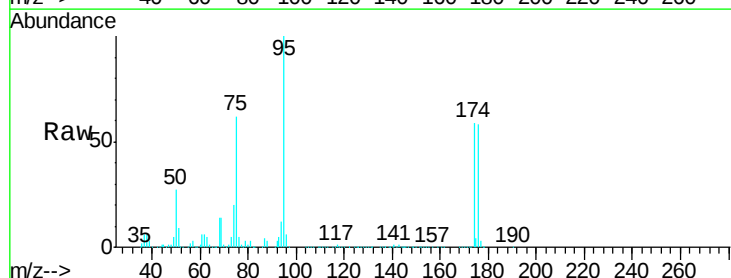
Tgt Ion: 95 Resp: 1725325

Ion Ratio Lower Upper

95 100

174 58.8 45.1 67.7

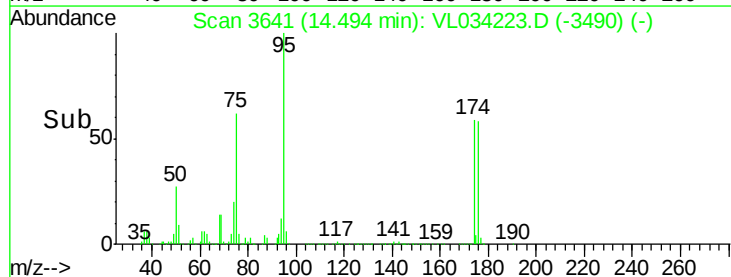
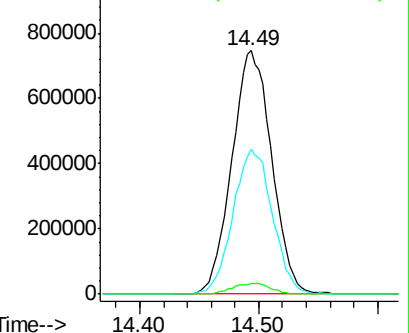
175 4.3 3.3 4.9

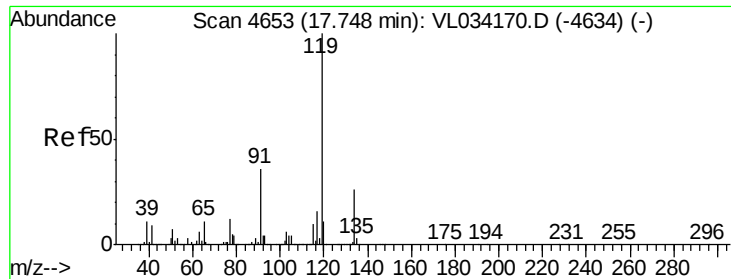


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





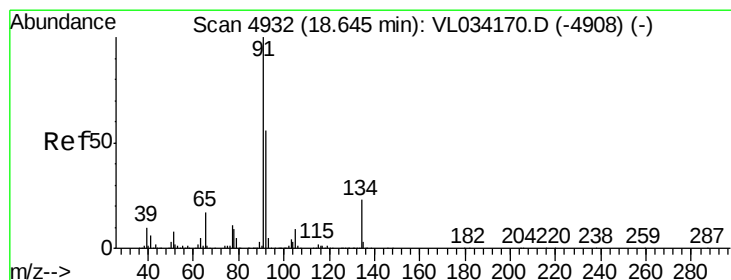
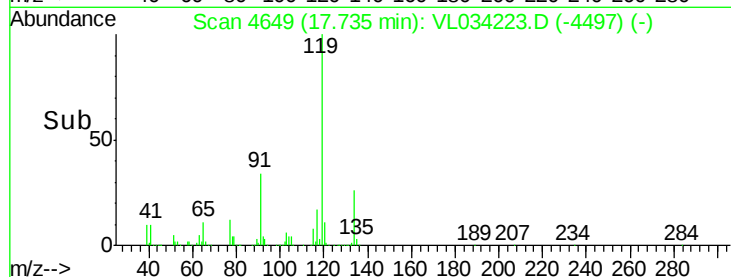
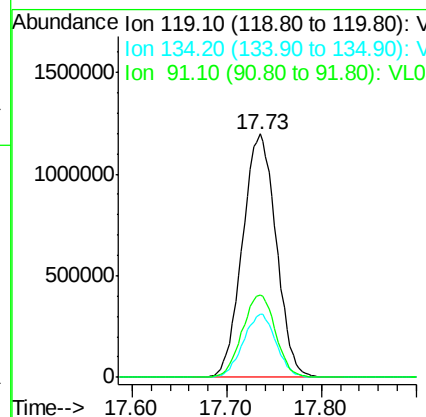
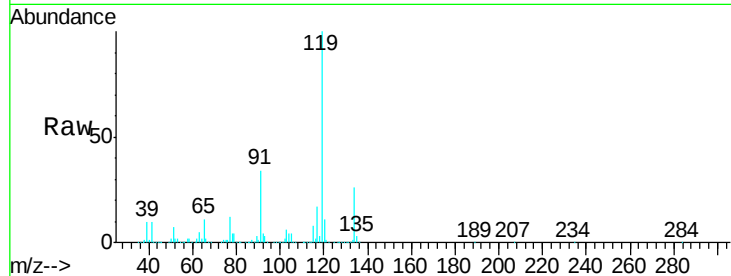
#69
p-Isopropyltoluene
Concen: 7.872 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	33.5	27.6	41.4

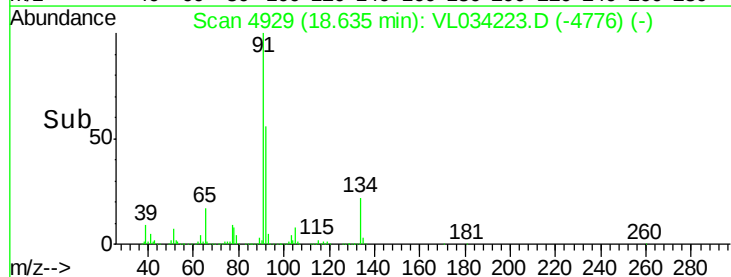
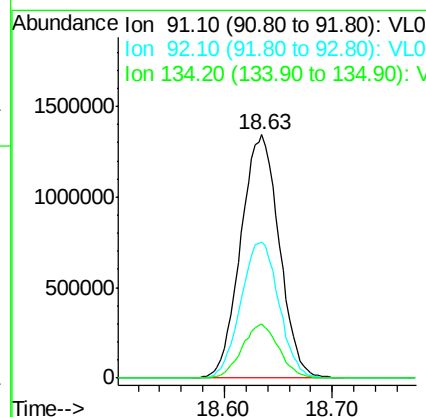
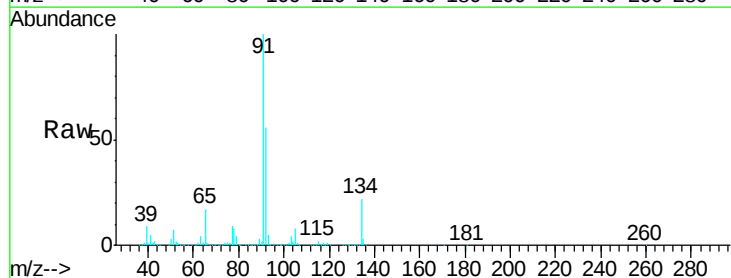
Manual Integrations
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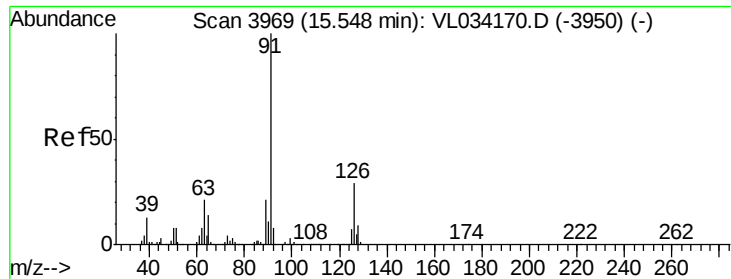
MMDadoda
10/11/2019 5:04:38 PM



#70
n-Butylbenzene
Concen: 7.617 ppbv
RT: 18.63 min Scan# 4929
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.8	67.2
134	21.2	17.3	25.9





#71

2-Chlorotoluene

Concen: 8.007 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2426678

Ion Ratio Lower Upper

91 100

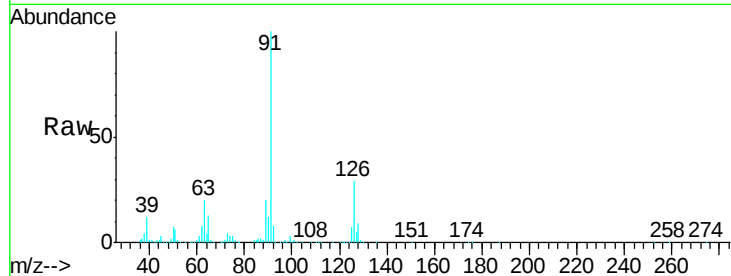
126 27.6 11.2 45.0

Manual Integrations

APPROVED

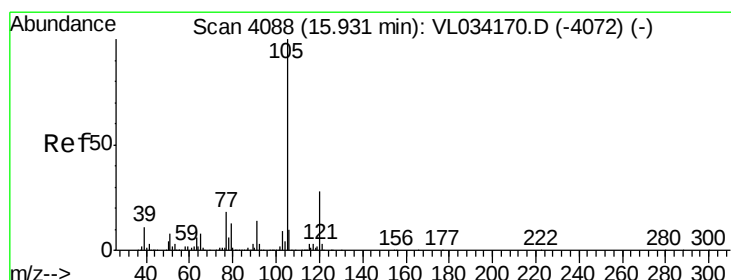
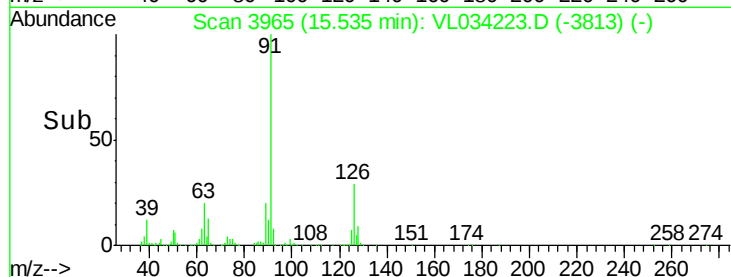
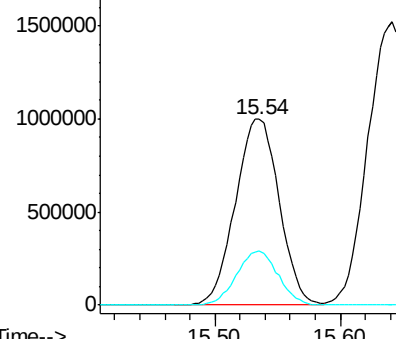
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 8.154 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Tgt Ion: 105 Resp: 2639806

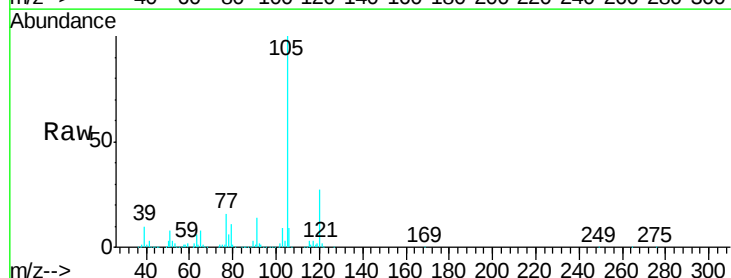
Ion Ratio Lower Upper

105 100

120 27.9 23.3 34.9

91 13.7 11.4 17.2

77 15.7 13.3 19.9

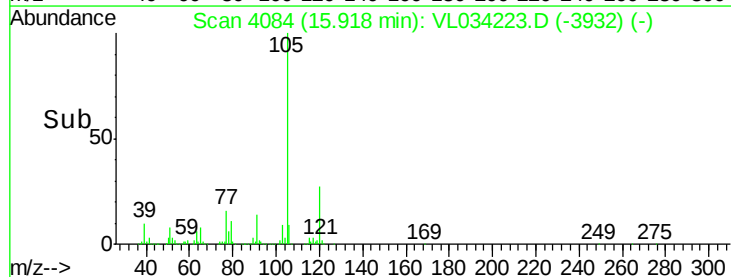
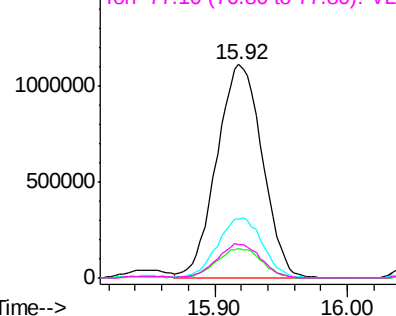


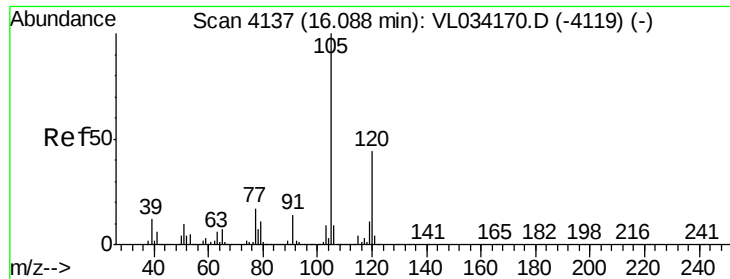
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





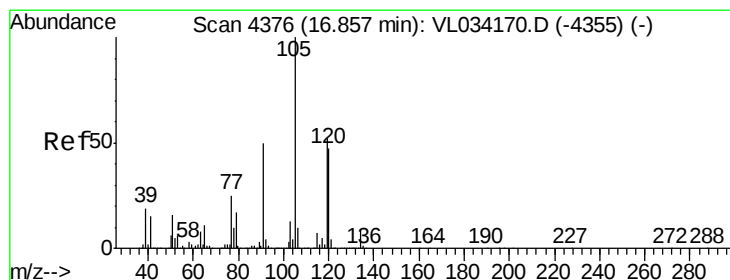
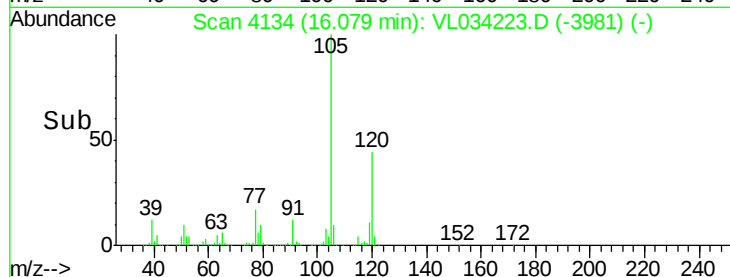
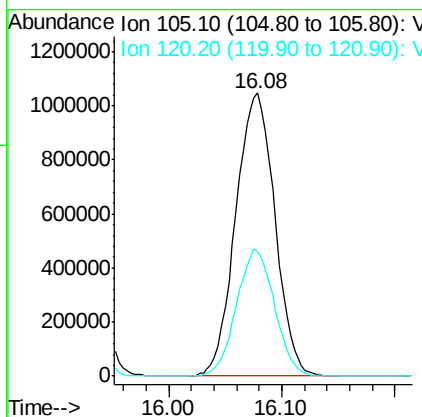
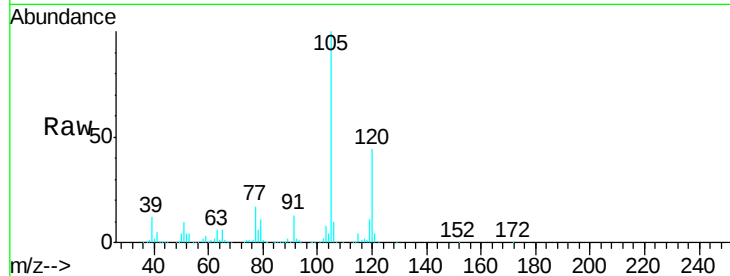
#73
 1,3,5-Trimethylbenzene
 Concen: 8.025 ppbv
 RT: 16.08 min Scan# 4134
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 2510002
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.6 53.4

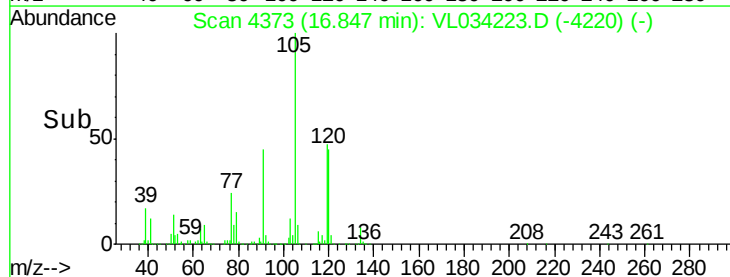
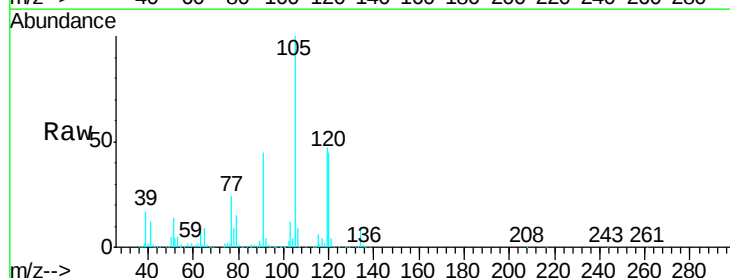
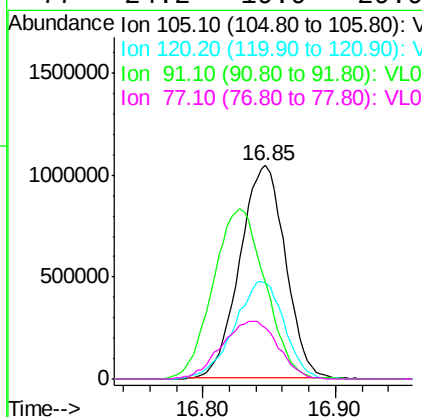
Manual Integrations
 APPROVED

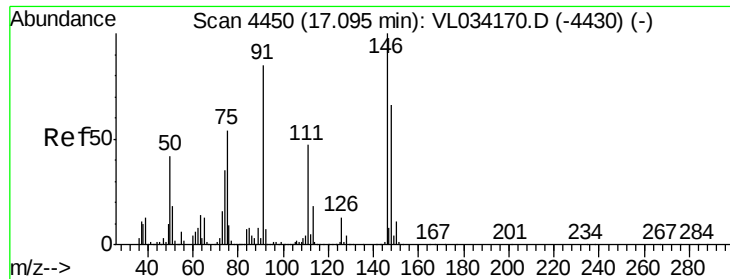
MMDadoda
 10/11/2019 5:04:38 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 7.506 ppbv
 RT: 16.85 min Scan# 4373
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Tgt Ion:105 Resp: 2492836
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.5 56.3
 91 45.2 41.1 61.7
 77 24.2 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 7.527 ppbv

RT: 17.09 min Scan# 4447

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1341209

Ion Ratio Lower Upper

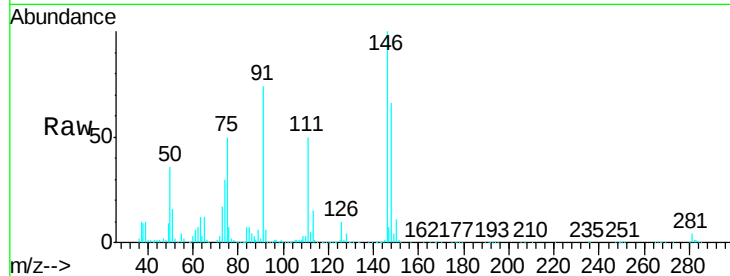
146 100

111 51.2 25.9 77.8

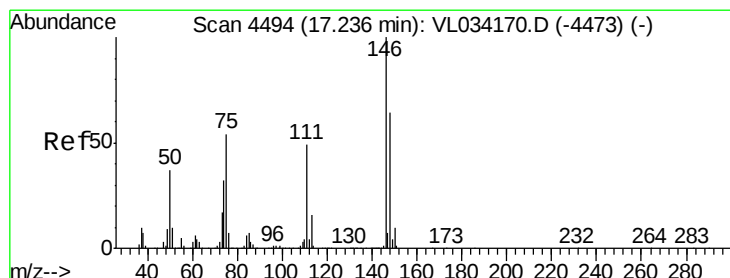
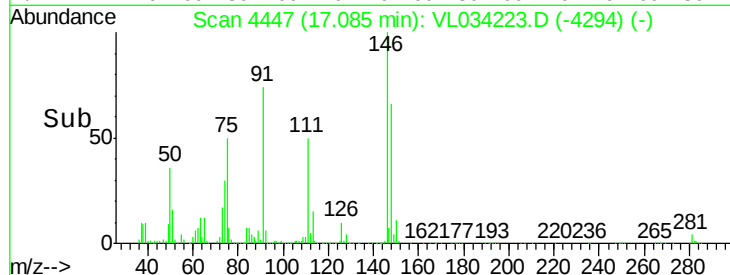
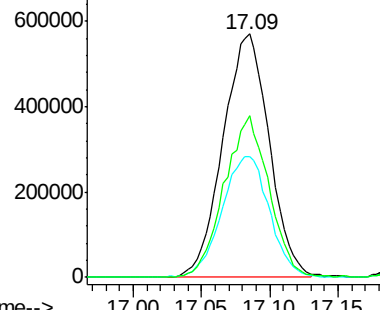
148 64.3 32.6 97.7

Manual Integrations
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10/11/2019 5:04:38 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



#76

1,4-Dichlorobenzene

Concen: 7.588 ppbv

RT: 17.22 min Scan# 4490

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

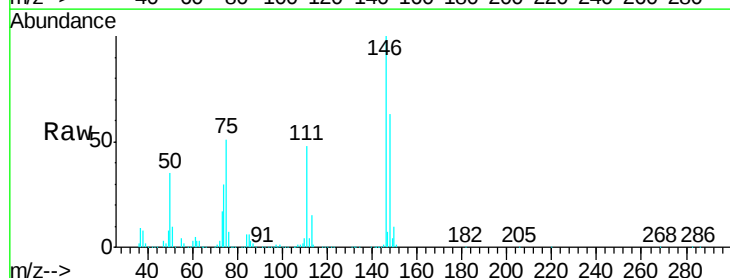
Tgt Ion:146 Resp: 1384557

Ion Ratio Lower Upper

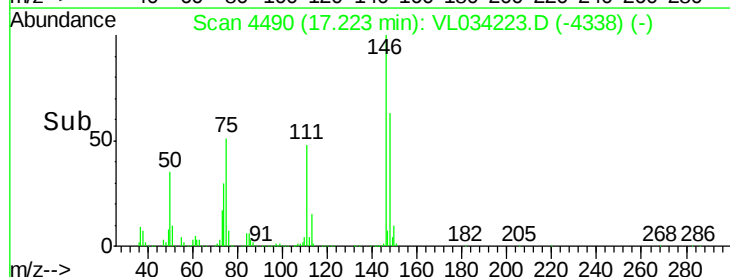
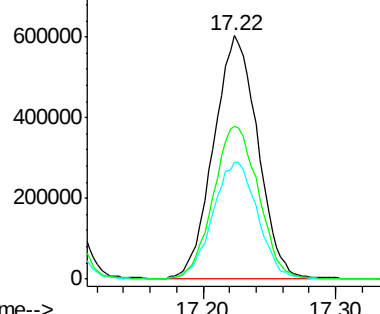
146 100

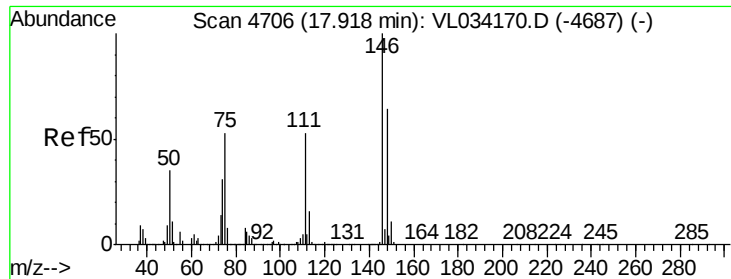
111 49.1 24.6 74.0

148 64.7 32.4 97.0



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





#77

1,2-Dichlorobenzene

Concen: 7.442 ppbv

RT: 17.91 min Scan# 4702

Delta R.T. -0.01 min

Lab File: VL034223.D

Acq: 7 Oct 2019 12:13

Instrument :

MSVOA_L

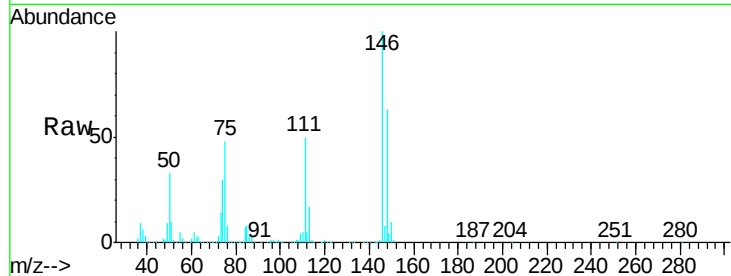
ClientSampleId :

VSTDCCC010

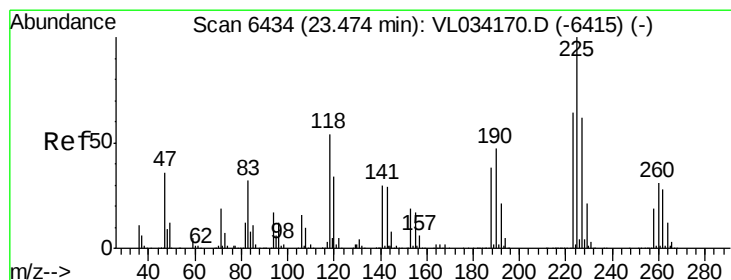
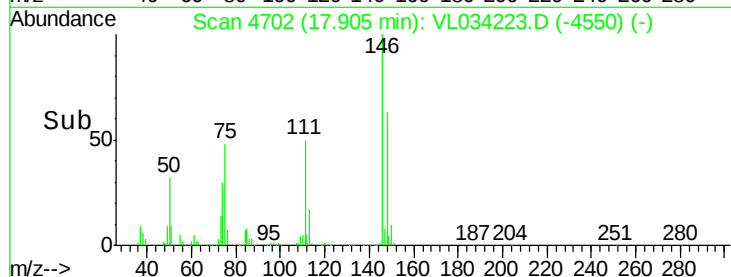
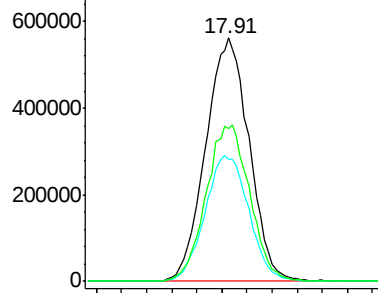
Tgt Ion:	146	Resp:	1342026
Ion	Ratio	Lower	Upper
146	100		
111	52.6	26.1	78.3
148	65.0	31.9	95.9

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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: 7.675 ppbv

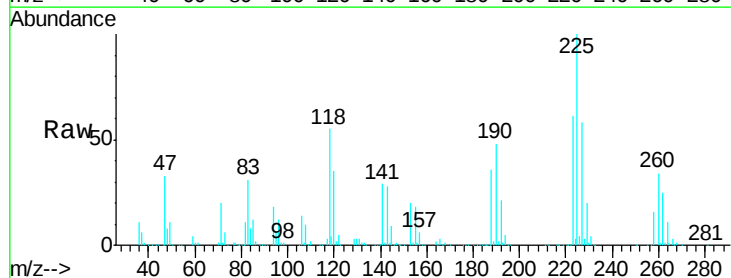
RT: 23.46 min Scan# 6430

Delta R.T. -0.01 min

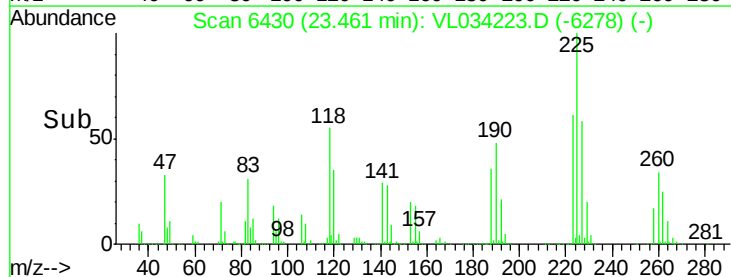
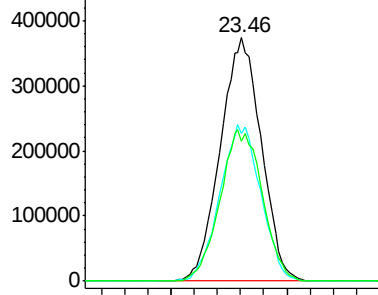
Lab File: VL034223.D

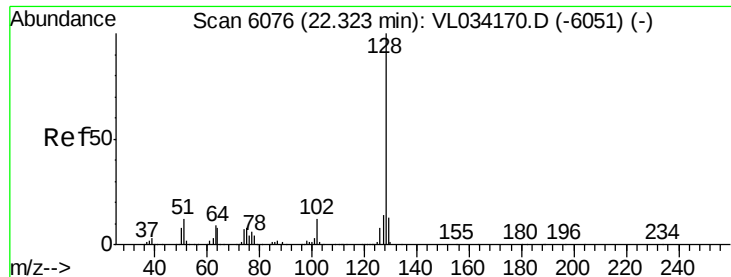
Acq: 7 Oct 2019 12:13

Tgt Ion:	225	Resp:	916820
Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	64.2	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





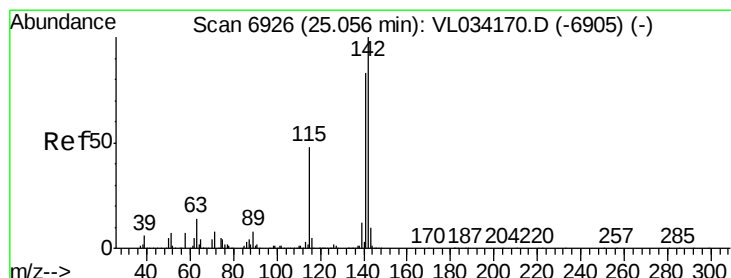
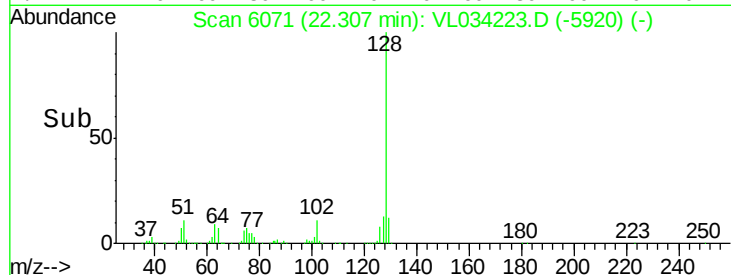
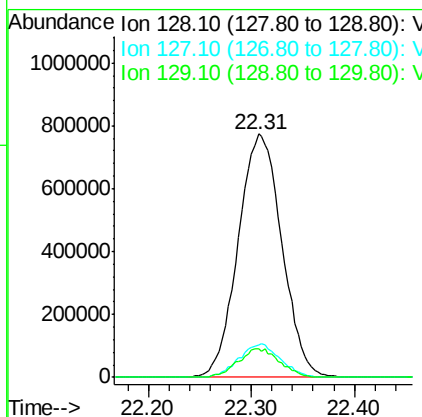
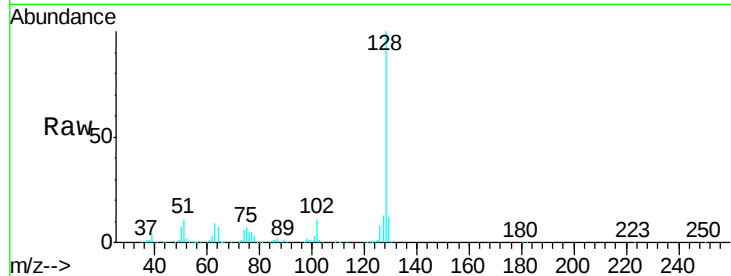
#79
Naphthalene
Concen: 7.772 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.1	16.7
129	11.5	10.2	15.4

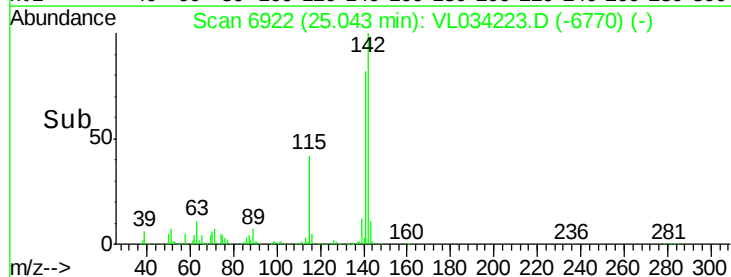
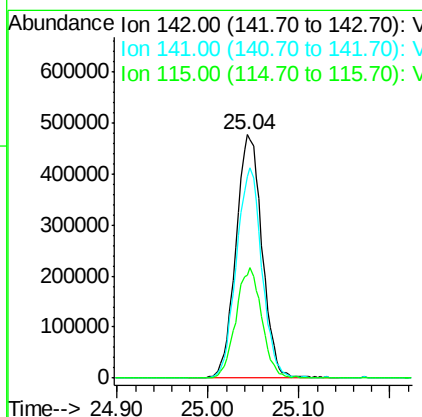
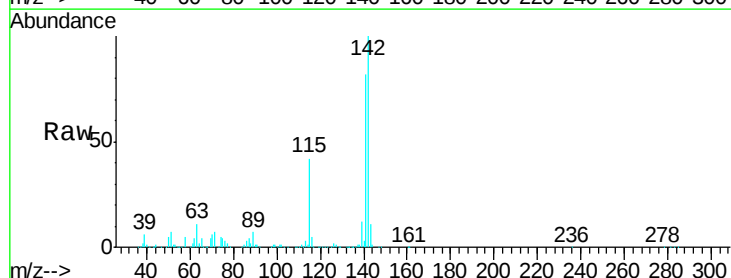
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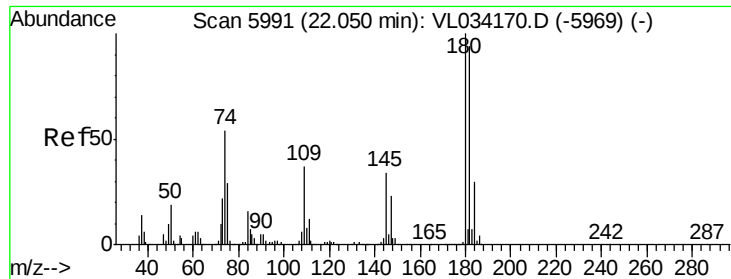
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#80
Naphthalene, 2-methyl-
Concen: 7.023 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034223.D
Acq: 7 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.6	101.4
115	44.5	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 7.684 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. -0.01 min
 Lab File: VL034223.D
 Acq: 7 Oct 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	31.4	25.0	37.4

Manual Integrations
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