

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034225.D
 Acq On : 7 Oct 2019 16:19
 Operator : SY/AP
 Sample : VL1007ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1007ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:04:42 PM

Quant Time: Oct 09 03:03:19 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 12:53:31 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	1097046	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1904069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2045923	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1762853	9.92	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1243113	7.671	ppbv	100
3) Chlorodifluoromethane	2.97	51	1341175	10.427	ppbv	99
4) Chloromethane	3.12	50	806246	10.666	ppbv	100
5) Vinyl Chloride	3.24	62	712103	10.308	ppbv	94
6) Bromomethane	3.46	94	349175	10.834	ppbv	95
7) Chloroethane	3.55	64	258892	10.722	ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	1482691	10.367	ppbv	99
9) Propene	2.99	41	650687	10.253	ppbv	100
10) Heptane	8.17	43	1709574	10.336	ppbv	99
11) Trichlorofluoromethane	3.94	101	1596773	10.825	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1051714	10.895	ppbv	99
13) Ethanol	3.60	45	150443	9.790	ppbv	98
14) Bromoethene	3.73	108	441704	11.192	ppbv	98
15) Acetone	3.84	43	1351246	9.190	ppbv	100
16) 1,3-Butadiene	3.31	39	705282	10.991	ppbv	100
17) tert-Butyl alcohol	4.29	59	1188780	12.760	ppbv	100
18) 1,1-Dichloroethene	4.29	96	487496	11.579	ppbv	92
19) Isopropyl Alcohol	3.97	45	1047969	11.590	ppbv	100
20) Methylene Chloride	4.35	84	438690	10.348	ppbv	97
21) Allyl Chloride	4.42	41	936333	11.274	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	477123	11.326	ppbv	99
23) Vinyl Acetate	5.09	43	2247398	10.372	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1505641	10.320	ppbv	99
25) Ethyl Acetate	5.70	43	2777389	9.989	ppbv	99
26) Hexane	5.71	57	1198496	10.362	ppbv	98
27) Carbon Disulfide	4.56	76	1255627	11.771	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1865108	10.858	ppbv	99
29) Chloroform	5.78	83	1740772	10.533	ppbv	99
30) Cyclohexane	7.17	84	897264	10.745	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1264828	10.728	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1706856	10.708	ppbv	99
34) 2-Butanone	5.26	43	1939936	9.978	ppbv	99
35) Carbon Tetrachloride	7.06	117	1692098	10.697	ppbv	99
36) Benzene	6.93	78	2114234	10.054	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1570225	10.498	ppbv	99
38) Trichloroethene	7.88	130	714305	9.507	ppbv	98
39) 1,2-Dichloropropane	7.66	63	954799	10.105	ppbv	97
40) 1,4-Dioxane	7.87	88	338955m	11.085	ppbv	
41) Tetrahydrofuran	6.08	42	1139684	10.408	ppbv	99
42) Bromodichloromethane	7.84	83	1920573	10.699	ppbv	98
43) Methyl Methacrylate	8.06	69	952506	10.965	ppbv	98

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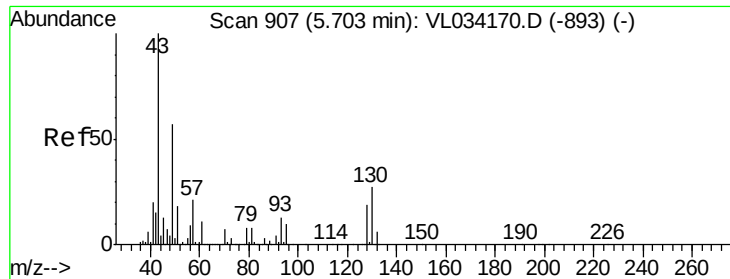
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3997206	9.874	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1248540	12.155	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1413417	11.439	ppbv	94
47) 1,1,2-Trichloroethane	9.54	97	863984	10.183	ppbv	98
48) Dibromochloromethane	10.37	129	1442362	10.726	ppbv	98
49) Bromoform	13.12	173	1183892	10.879	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2819736	9.966	ppbv	99
51) 2-Hexanone	10.19	43	2389512	10.063	ppbv	99
52) Tetrachloroethene	11.29	164	666216	9.589	ppbv	97
53) Toluene	9.87	91	2348832	10.220	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1295019	10.263	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.20	131	932354	10.218	ppbv	98
57) Chlorobenzene	12.22	112	1670306	9.377	ppbv	98
58) Ethyl Benzene	12.78	91	3224546	9.768	ppbv	100
59) m/p-Xylene	13.07	91	5248897m	19.197	ppbv	
60) o-Xylene	13.77	91	2660582	9.731	ppbv	99
61) Styrene	13.60	104	1930628	9.858	ppbv	99
62) Isopropylbenzene	14.75	105	3407284	9.627	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1921229	8.569	ppbv	100
64) n-propylbenzene	15.64	120	863568	9.644	ppbv	89
65) tert-Butylbenzene	16.82	119	2911627	9.415	ppbv	100
66) Benzyl Chloride	17.08	91	1413712	12.921	ppbv	99
67) sec-Butylbenzene	17.37	105	4213379	9.528	ppbv	99
69) p-Isopropyltoluene	17.73	119	3415678	9.539	ppbv	100
70) n-Butylbenzene	18.63	91	3868885	9.279	ppbv	100
71) 2-Chlorotoluene	15.54	91	2787224	9.638	ppbv	99
72) 4-Ethyltoluene	15.92	105	3022112	9.783	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2871946	9.624	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	2915442	9.201	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1562791	9.193	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1601373	9.198	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1573445	9.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1040335	9.128	ppbv	99
79) Naphthalene	22.31	128	2616650	9.380	ppbv	96
80) Naphthalene,2-methyl-	25.05	142	650542	5.015	ppbv	96
81) 1,2,4-Trichlorobenzene	22.04	180	1442774	9.337	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

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ClientSampleId :

VL1007ABS01

Tgt Ion: 49 Resp: 1097046

Ion Ratio Lower Upper

49 100

128 36.1 17.6 52.9

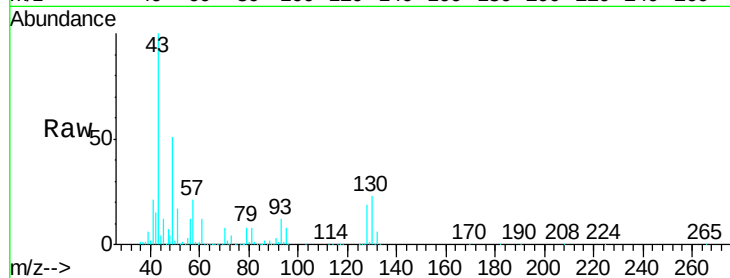
130 44.6 22.3 66.9

Manual Integrations

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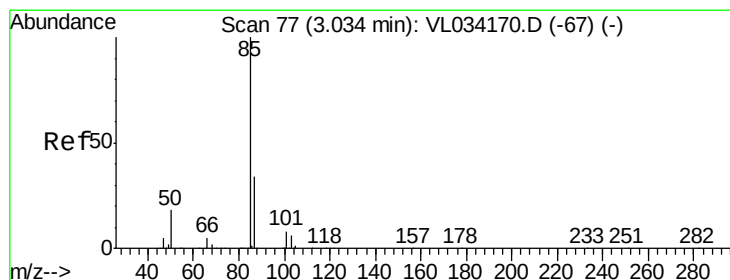
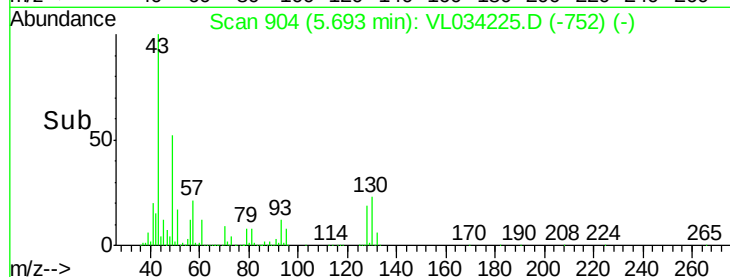
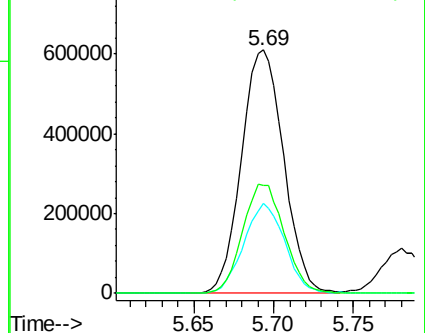
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.671 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034225.D

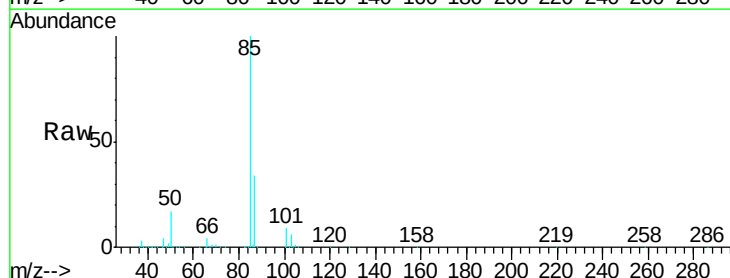
Acq: 7 Oct 2019 16:19

Tgt Ion: 85 Resp: 1243113

Ion Ratio Lower Upper

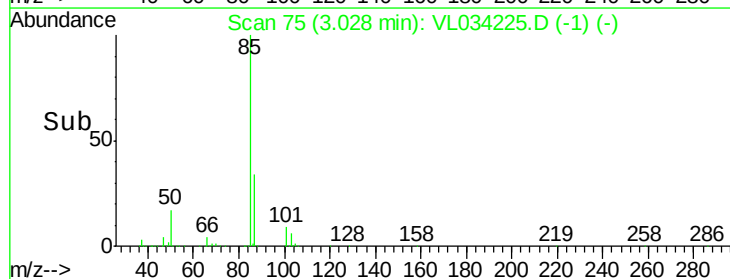
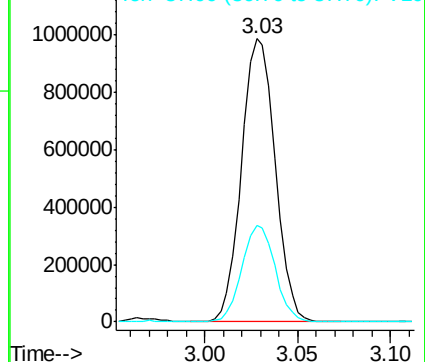
85 100

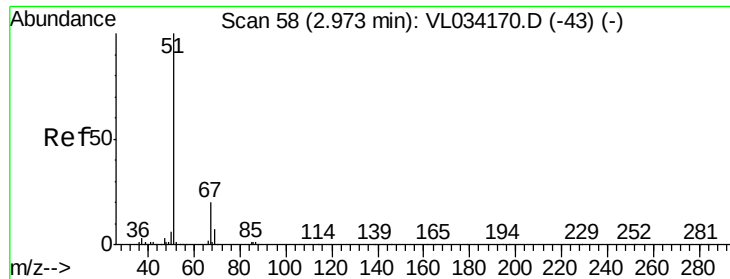
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.427 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 51 Resp: 1341175

Ion Ratio Lower Upper

51 100

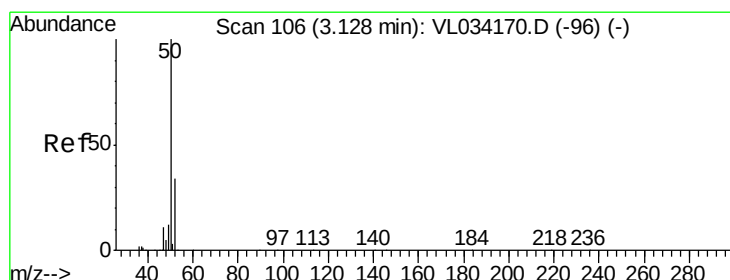
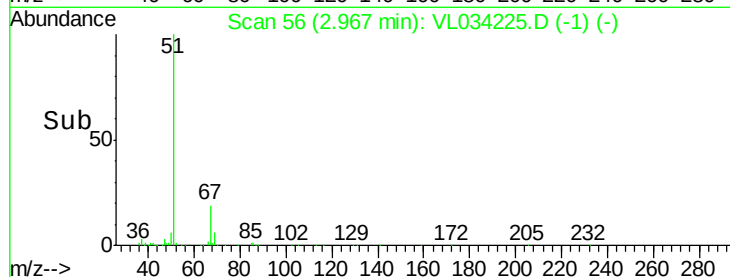
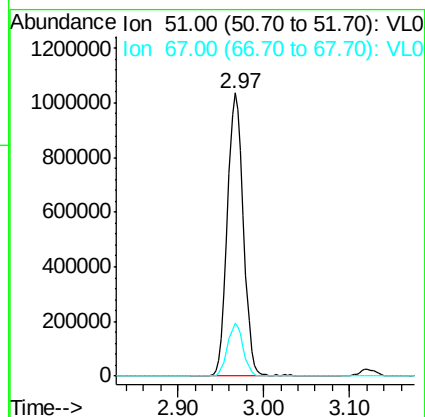
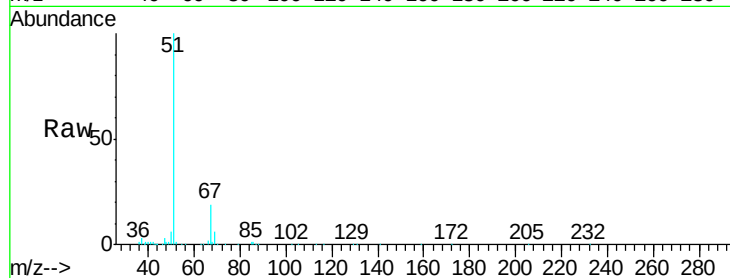
67 18.1 14.8 22.2

Manual Integrations

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#4

Chloromethane

Concen: 10.666 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034225.D

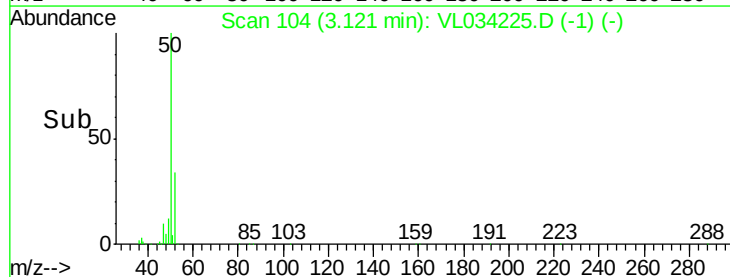
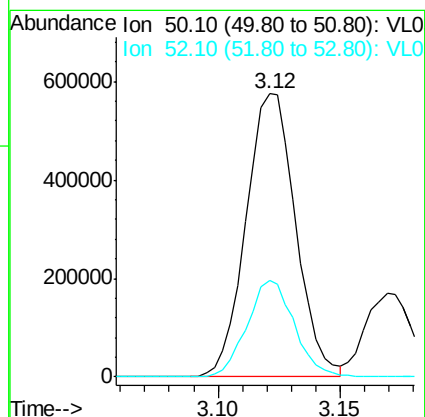
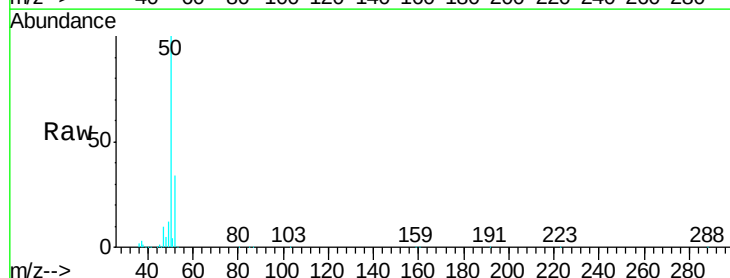
Acq: 7 Oct 2019 16:19

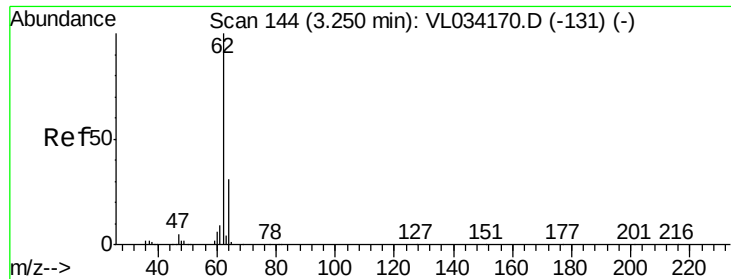
Tgt Ion: 50 Resp: 806246

Ion Ratio Lower Upper

50 100

52 34.0 27.1 40.7





#5

Vinyl Chloride

Concen: 10.308 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 62 Resp: 712103

Ion Ratio Lower Upper

62 100

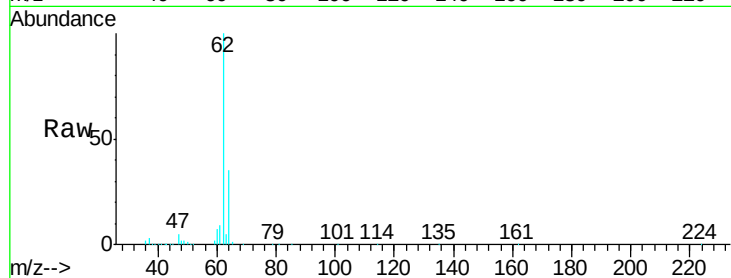
64 34.6 25.2 37.8

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

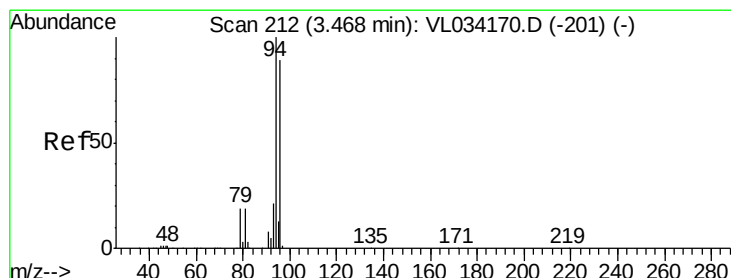
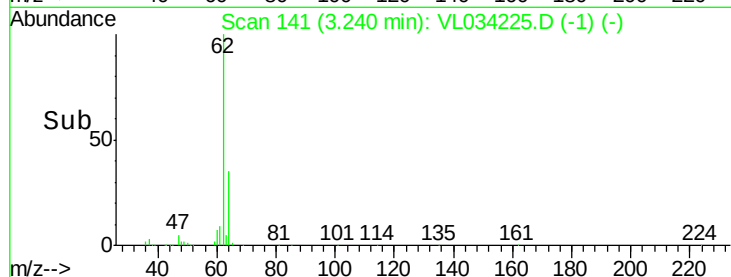
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.834 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034225.D

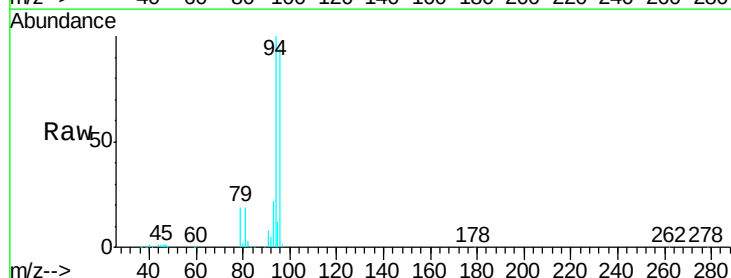
Acq: 7 Oct 2019 16:19

Tgt Ion: 94 Resp: 349175

Ion Ratio Lower Upper

94 100

96 94.1 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

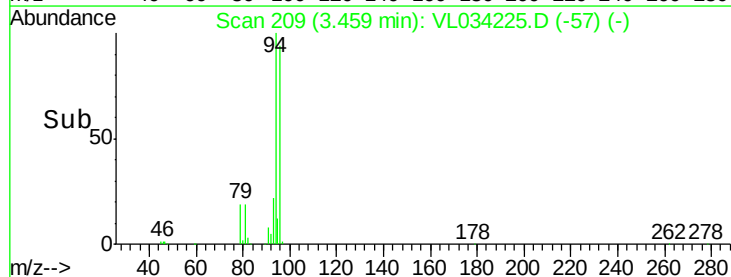
150000

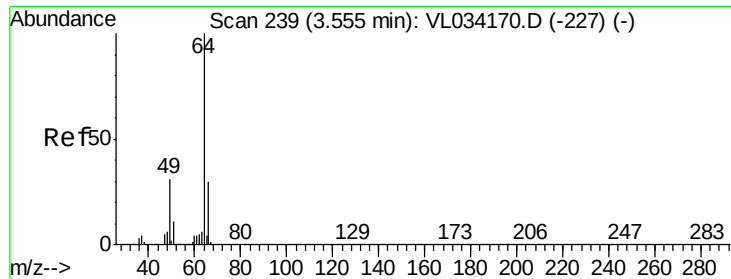
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.722 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 64 Resp: 258892

Ion Ratio Lower Upper

64 100

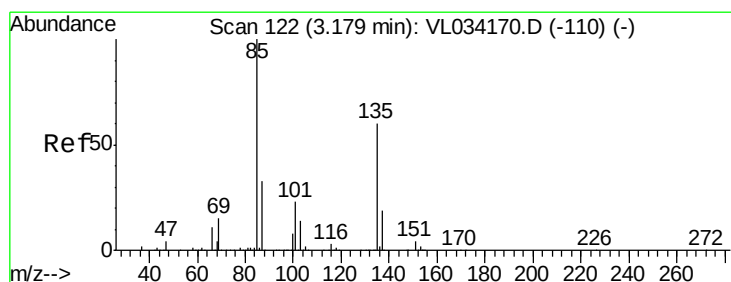
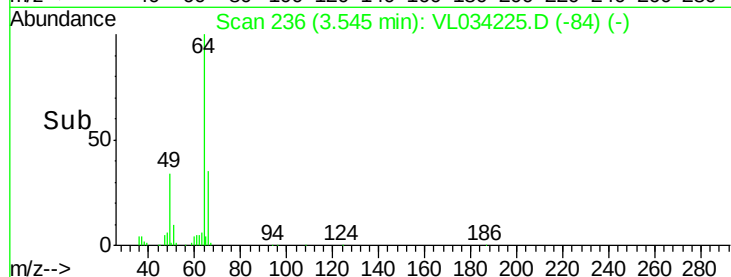
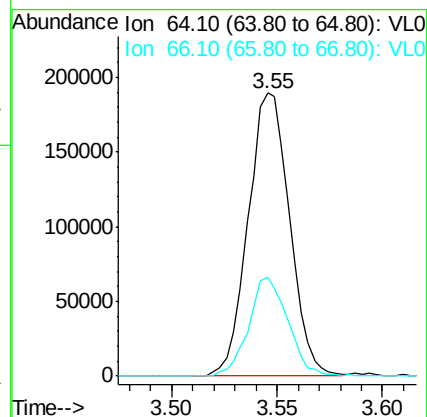
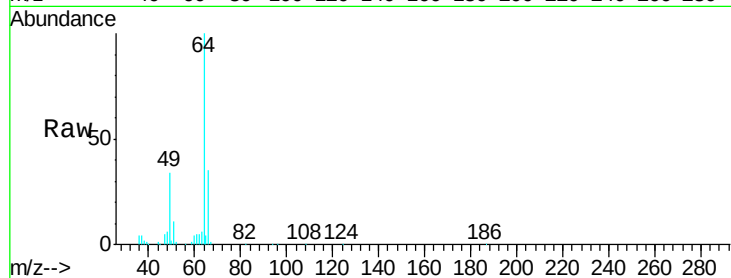
66 34.9 24.2 36.4

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#8

Dichlorotetrafluoroethane

Concen: 10.367 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034225.D

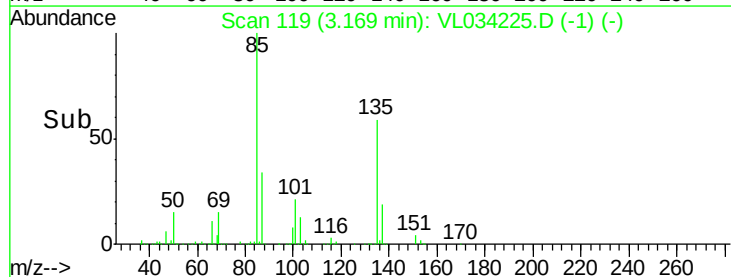
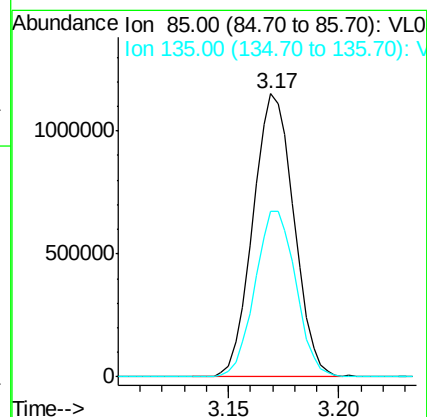
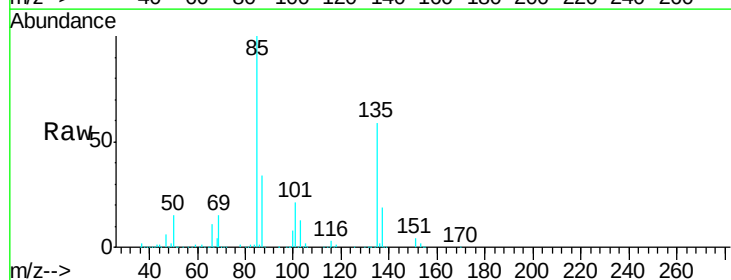
Acq: 7 Oct 2019 16:19

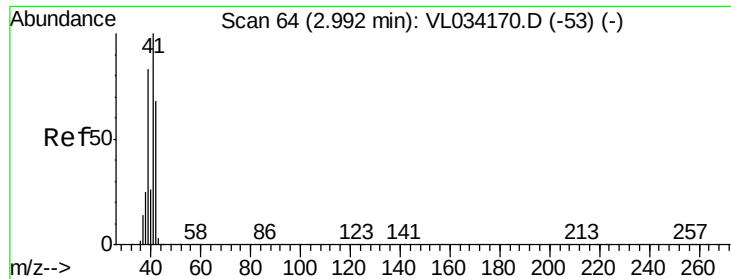
Tgt Ion: 85 Resp: 1482691

Ion Ratio Lower Upper

85 100

135 58.5 47.3 70.9





#9

Propene

Concen: 10.253 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

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ClientSampleId :

VL1007ABS01

Tgt Ion: 41 Resp: 650687

Ion Ratio Lower Upper

41 100

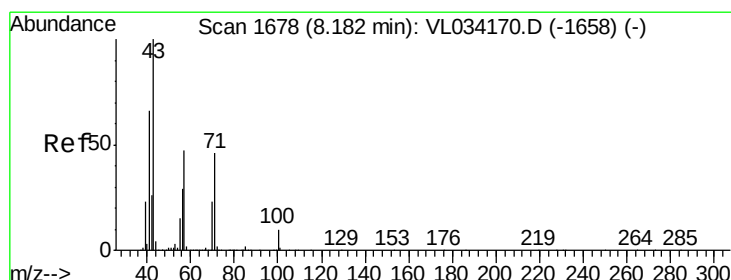
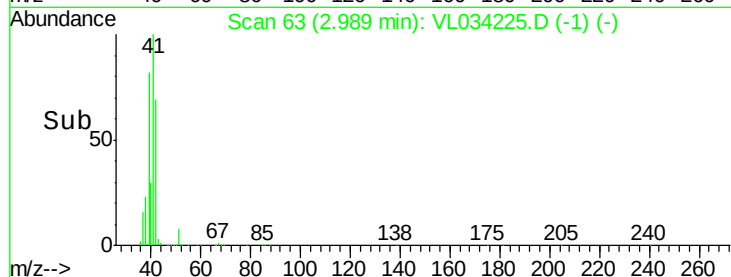
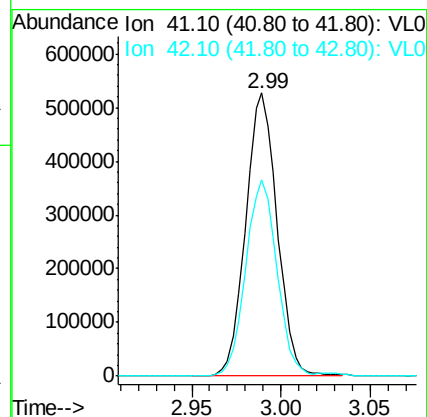
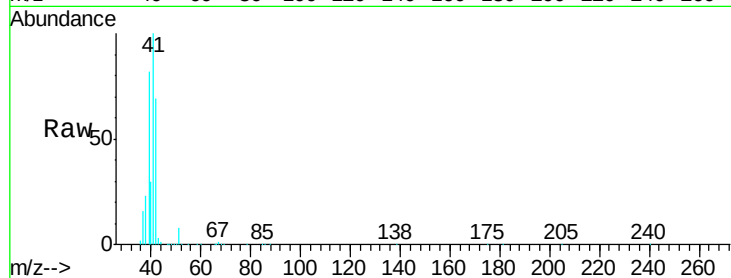
42 70.1 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 10.336 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034225.D

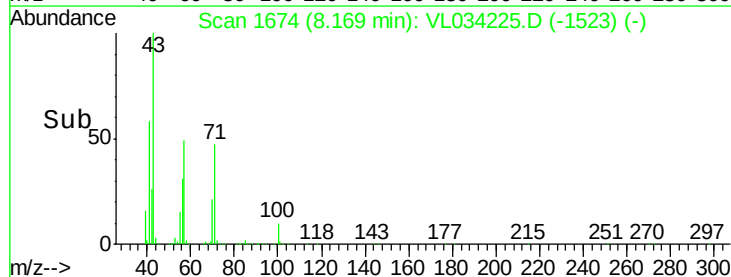
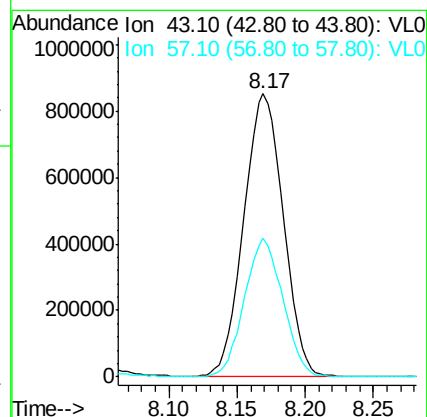
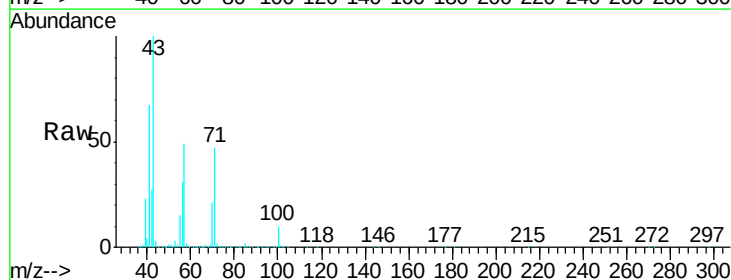
Acq: 7 Oct 2019 16:19

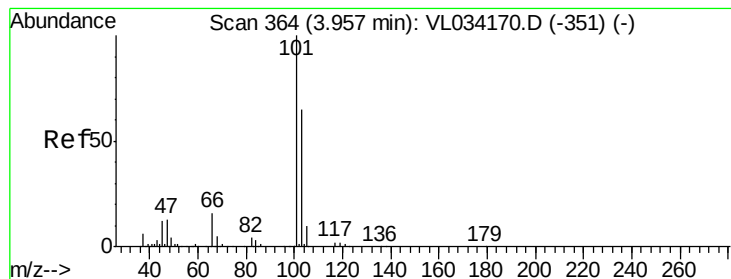
Tgt Ion: 43 Resp: 1709574

Ion Ratio Lower Upper

43 100

57 47.9 37.5 56.3





#11

Trichlorofluoromethane

Concen: 10.825 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion:101 Resp: 1596773

Ion Ratio Lower Upper

101 100

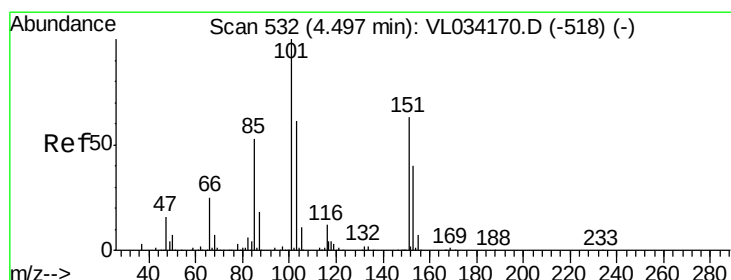
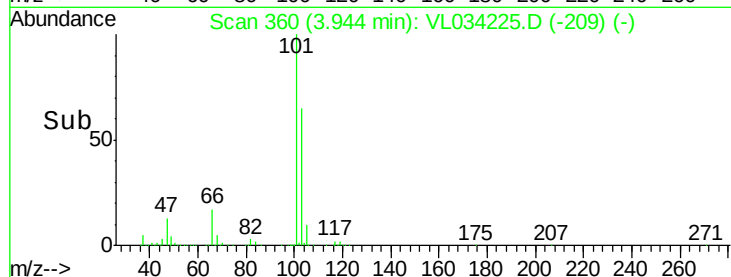
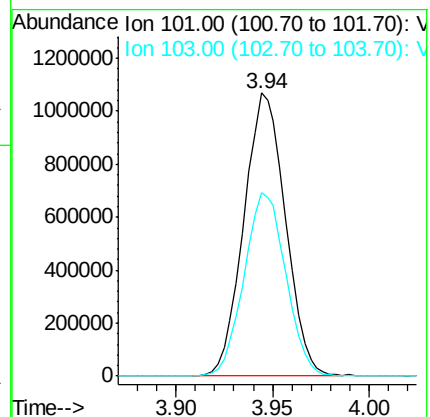
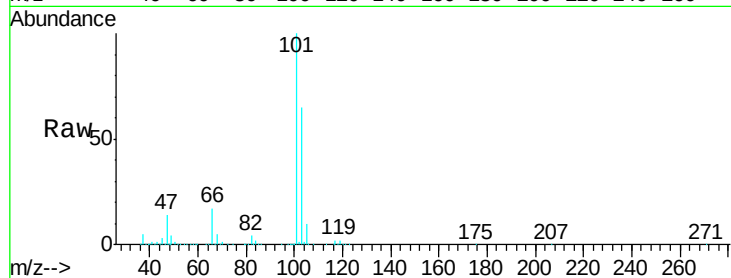
103 64.8 52.1 78.1

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.895 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034225.D

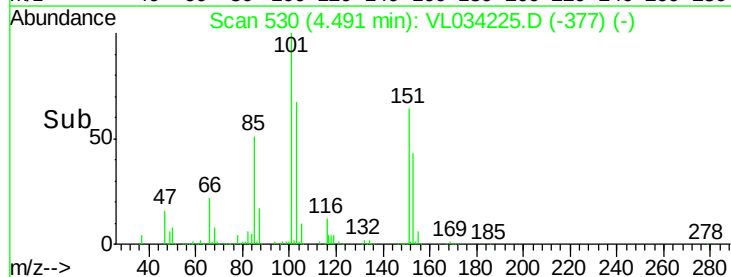
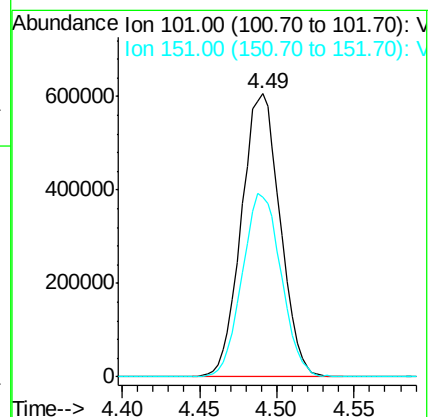
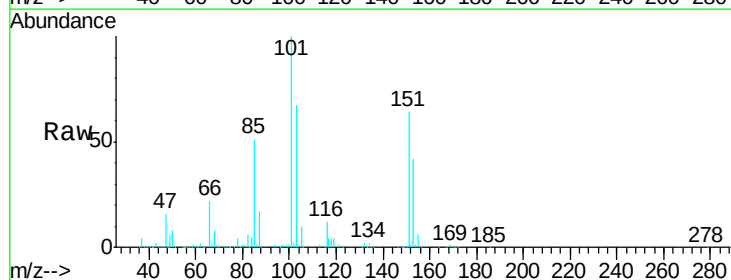
Acq: 7 Oct 2019 16:19

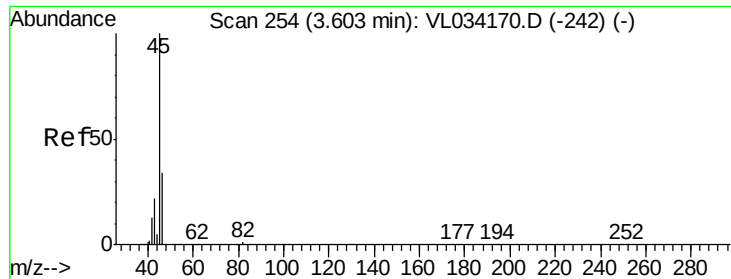
Tgt Ion:101 Resp: 1051714

Ion Ratio Lower Upper

101 100

151 65.4 51.8 77.8





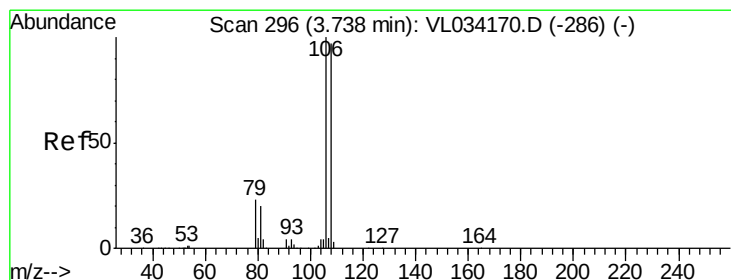
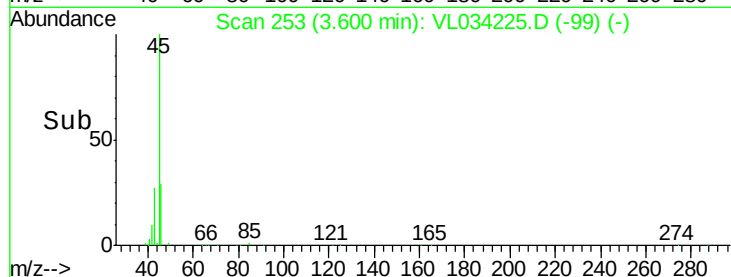
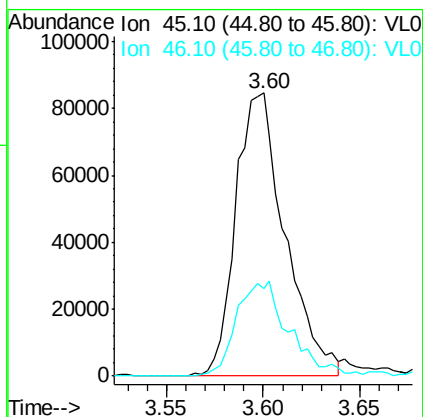
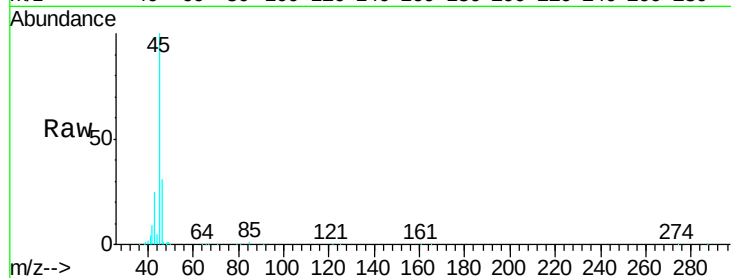
#13
Ethanol
Concen: 9.790 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 45 Resp: 150443
Ion Ratio Lower Upper
45 100
46 37.3 15.5 61.9

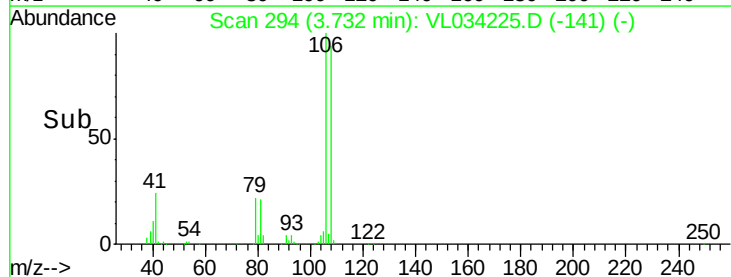
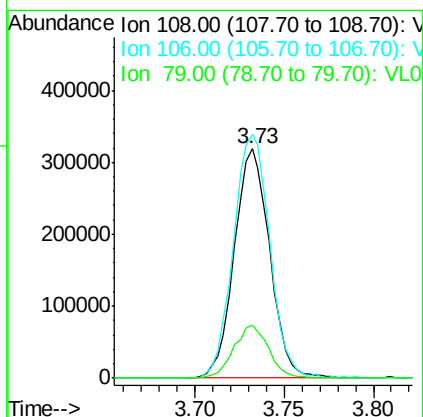
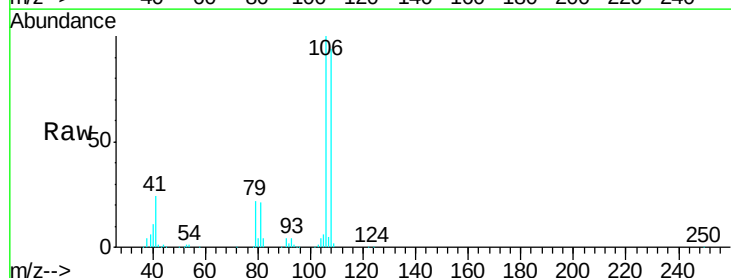
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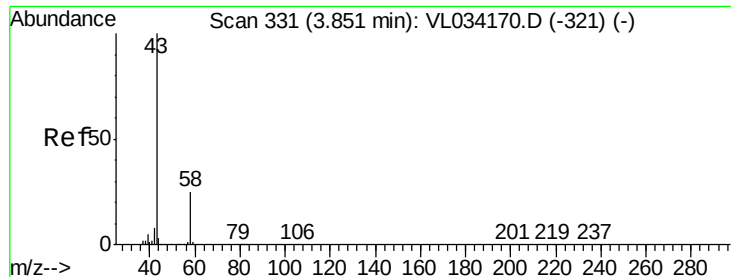
MMDadoda
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#14
Bromoethene
Concen: 11.192 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 108 Resp: 441704
Ion Ratio Lower Upper
108 100
106 109.9 86.2 129.4
79 23.0 18.6 27.8





#15

Acetone

Concen: 9.190 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 43 Resp: 1351246

Ion Ratio Lower Upper

43 100

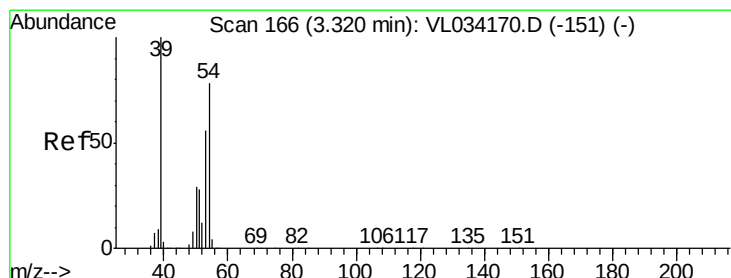
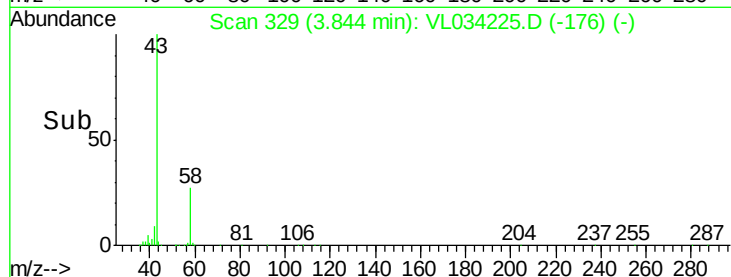
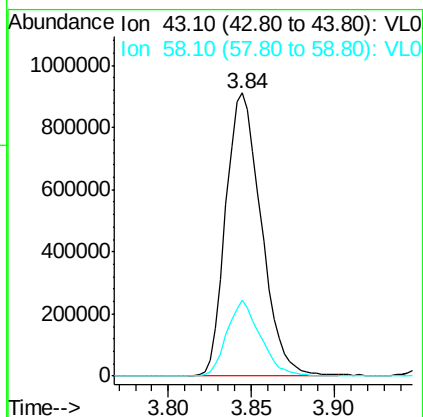
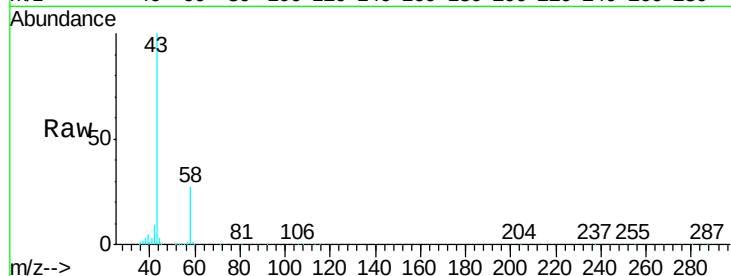
58 25.6 20.5 30.7

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.991 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL034225.D

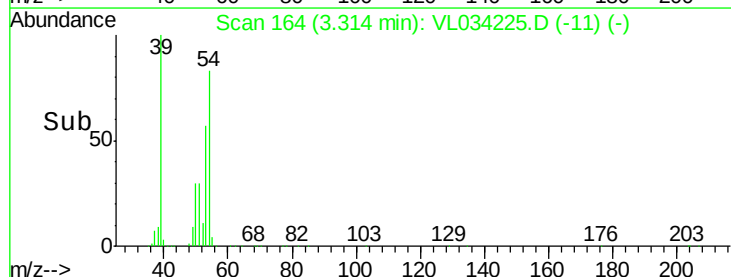
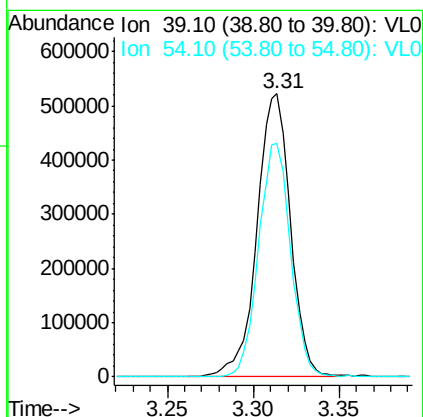
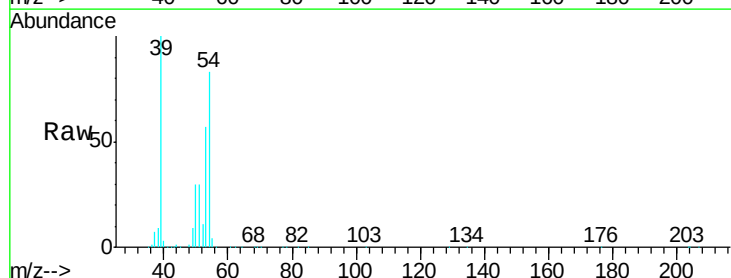
Acq: 7 Oct 2019 16:19

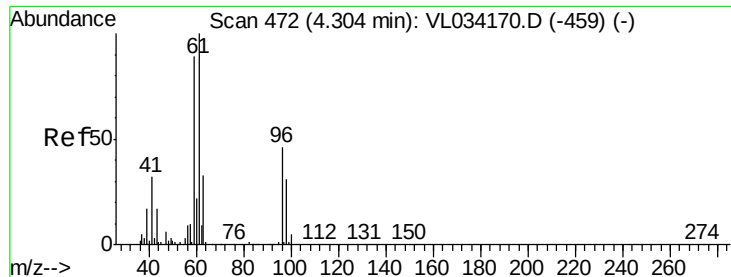
Tgt Ion: 39 Resp: 705282

Ion Ratio Lower Upper

39 100

54 79.2 63.4 95.0





#17

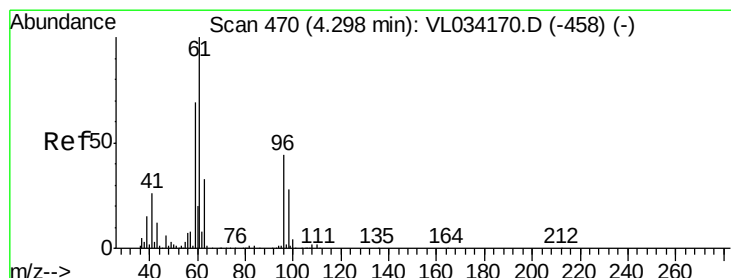
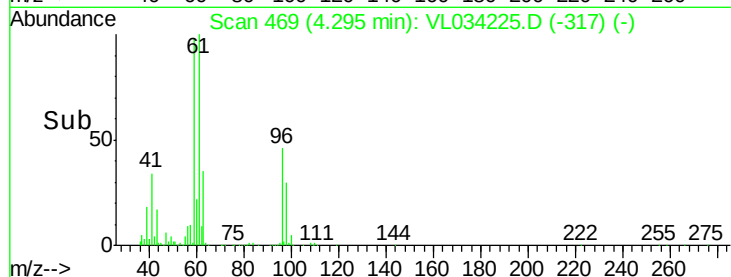
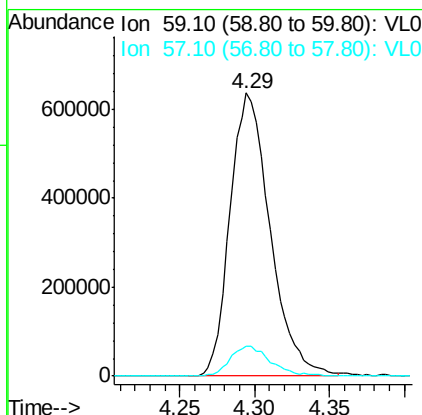
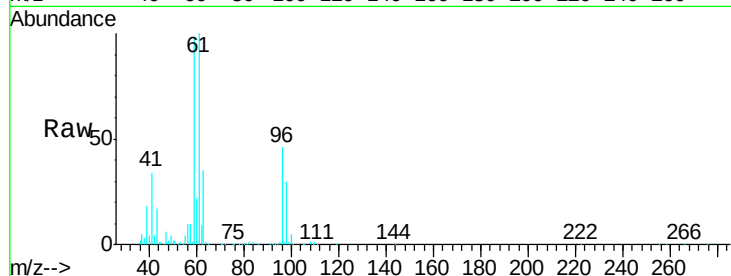
tert-Butyl alcohol
 Concen: 12.760 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 59 Resp: 1188780
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

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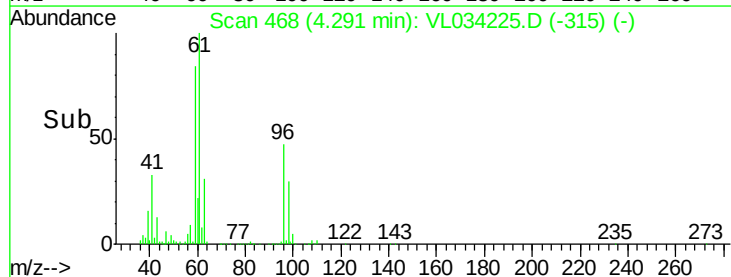
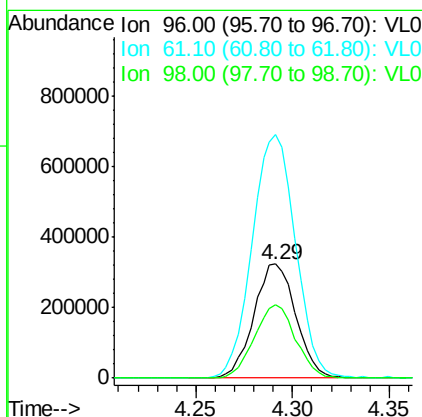
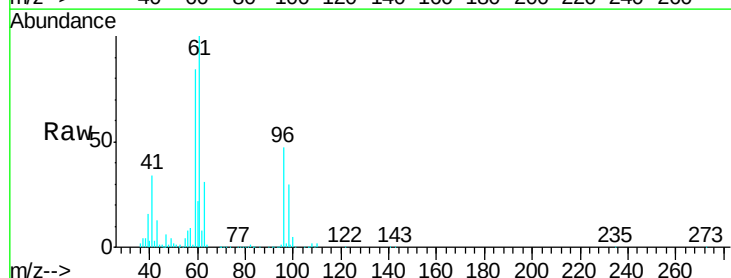
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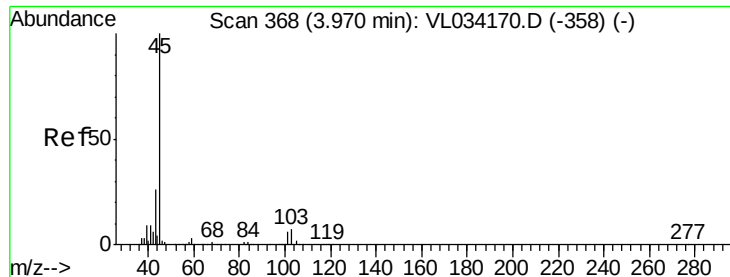


#18

1,1-Dichloroethene
 Concen: 11.579 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 96 Resp: 487496
 Ion Ratio Lower Upper
 96 100
 61 213.1 183.3 274.9
 98 64.3 51.4 77.2





#19

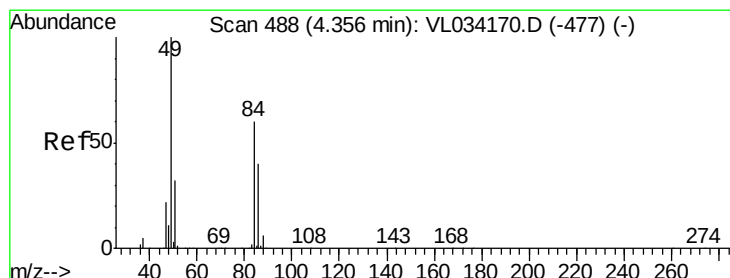
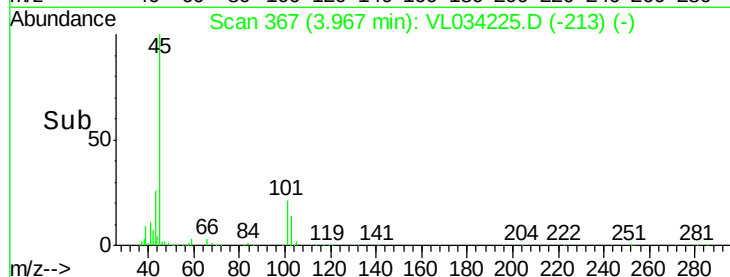
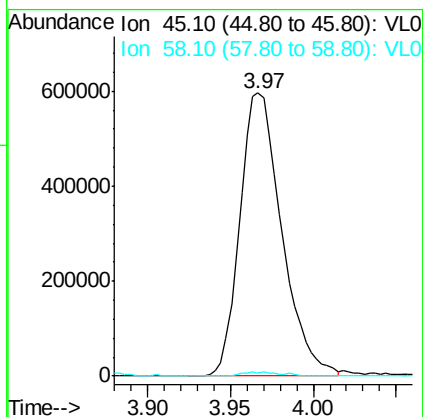
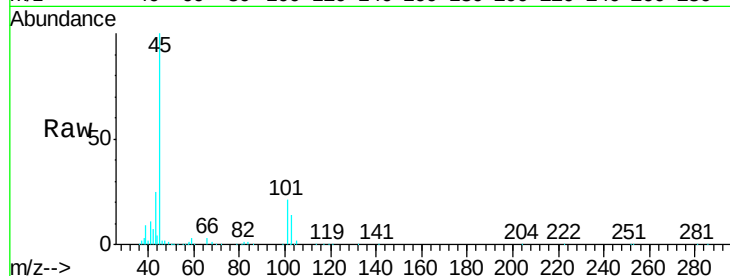
Isopropyl Alcohol
 Concen: 11.590 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 45 Resp: 1047969
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.4 2.0

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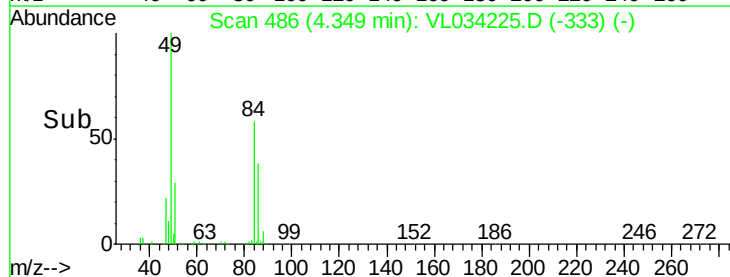
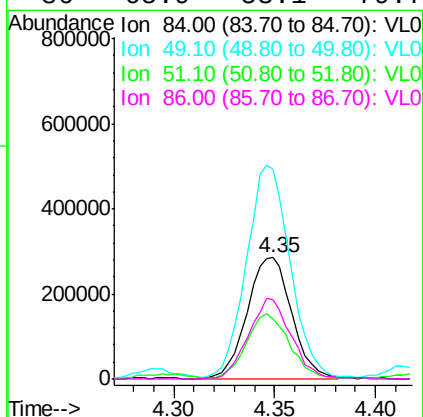
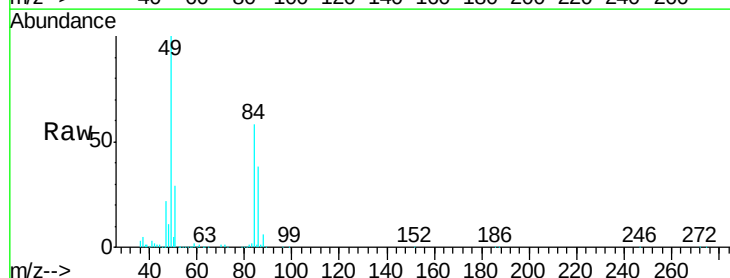
MMDadoda
 10/11/2019 5:04:42 PM

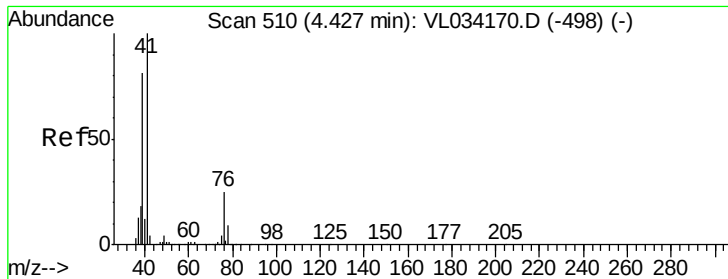


#20

Methylene Chloride
 Concen: 10.348 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 84 Resp: 438690
 Ion Ratio Lower Upper
 84 100
 49 171.6 133.8 200.8
 51 49.5 43.6 65.4
 86 65.9 53.1 79.7





#21

Allyl Chloride

Concen: 11.274 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

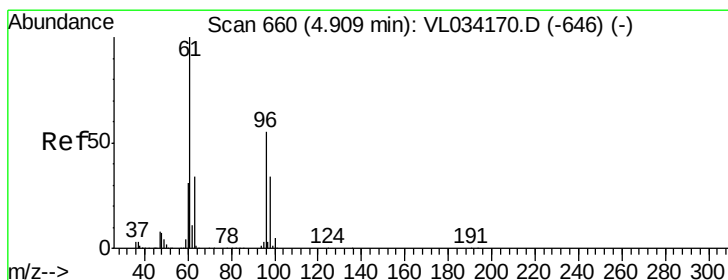
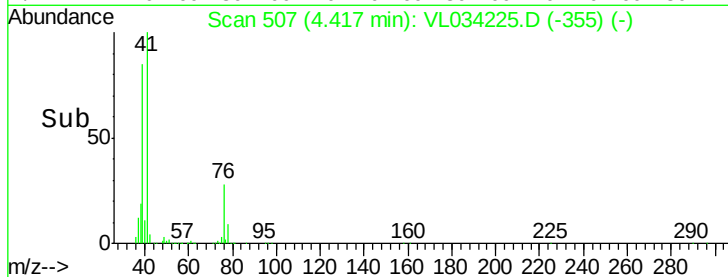
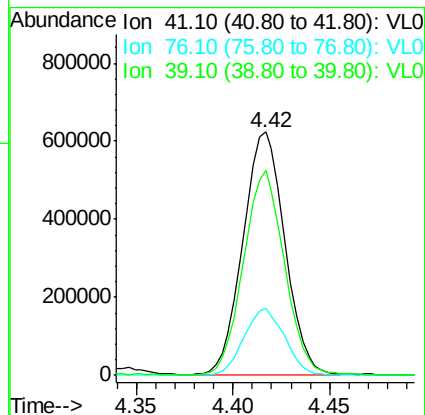
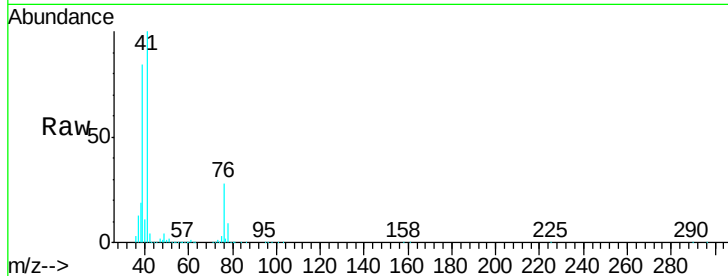
ClientSampleId :

VL1007ABS01

Tgt Ion:	41	Resp:	936333
Ion	Ratio	Lower	Upper
41	100		
76	27.0	21.8	32.6
39	82.9	64.8	97.2

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 11.326 ppbv

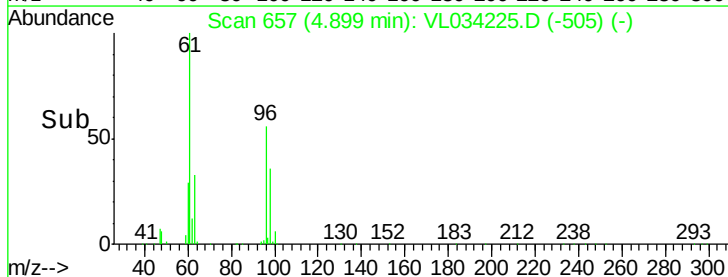
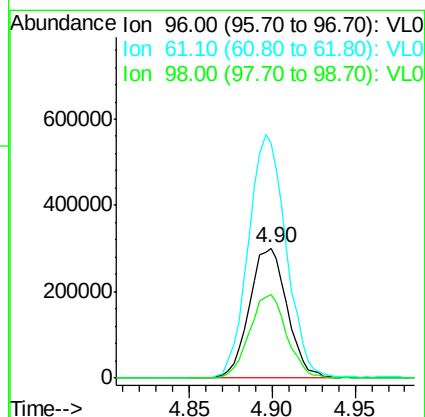
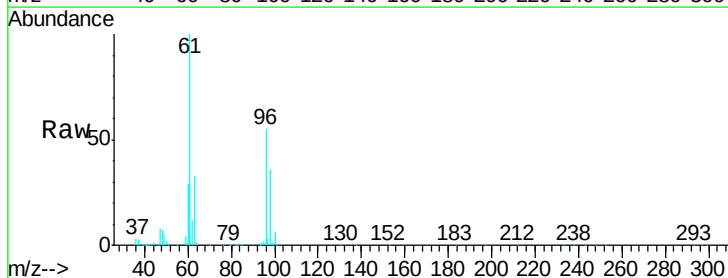
RT: 4.90 min Scan# 657

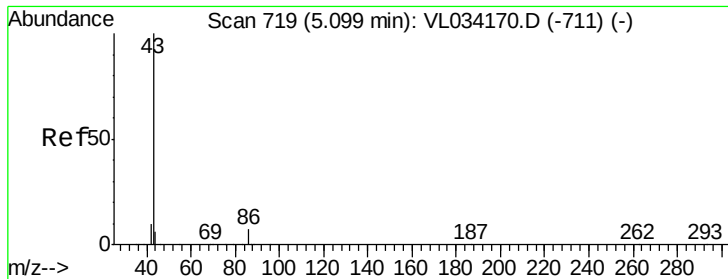
Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion:	96	Resp:	477123
Ion	Ratio	Lower	Upper
96	100		
61	180.3	145.5	218.3
98	64.2	49.9	74.9





#23

Vinyl Acetate

Concen: 10.372 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 43 Resp: 2247398

Ion Ratio Lower Upper

43 100

86 6.0 5.1 7.7

42 11.4 8.6 12.8

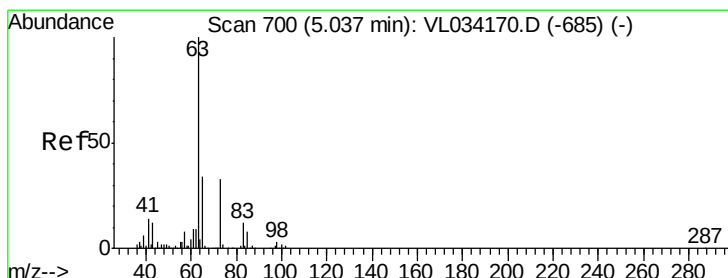
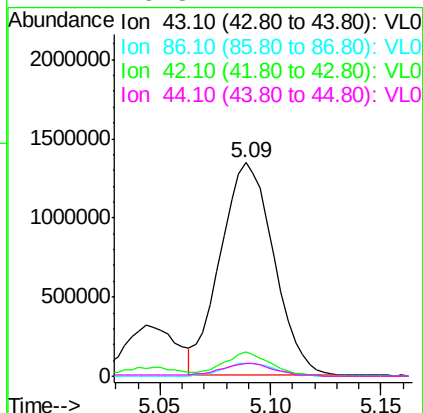
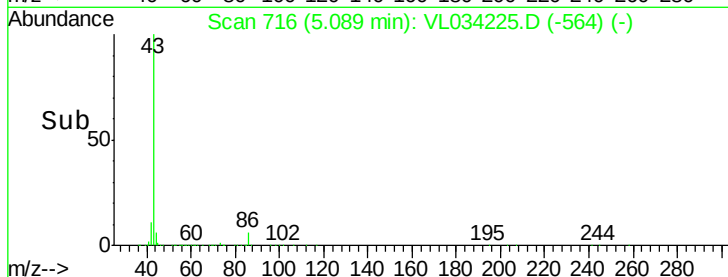
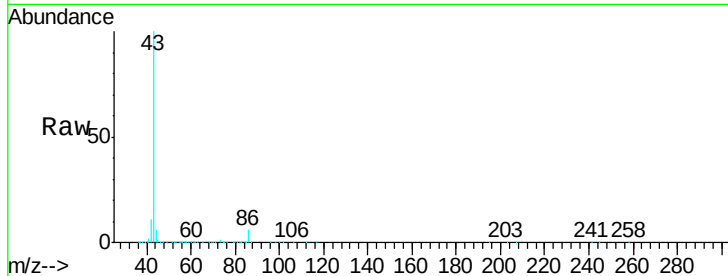
44 5.8 4.7 7.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 10.320 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

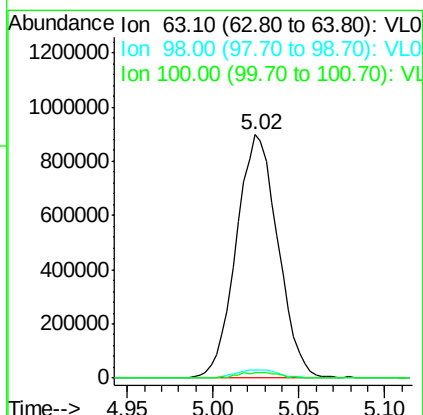
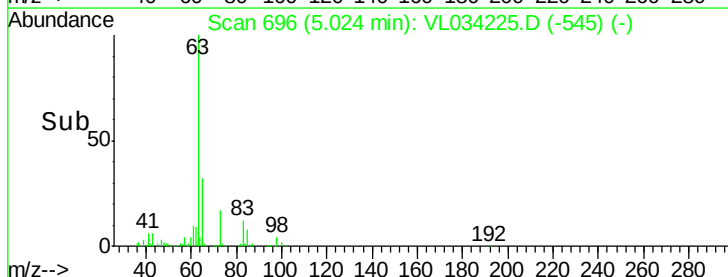
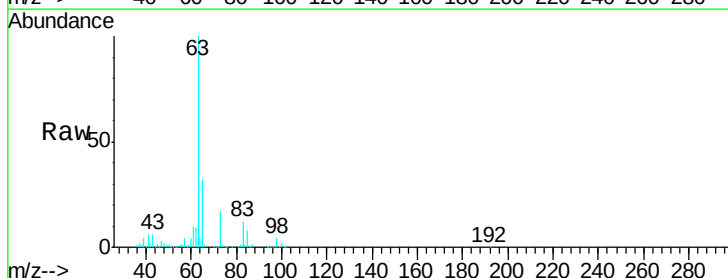
Tgt Ion: 63 Resp: 1505641

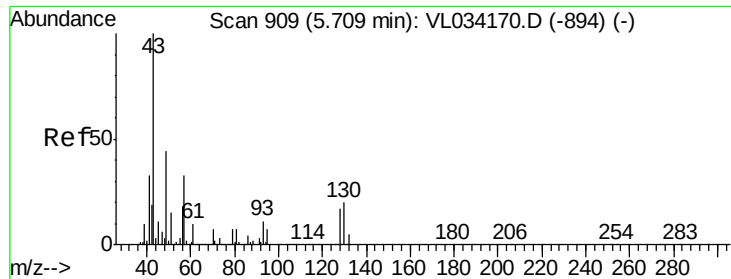
Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.3

100 2.4 1.0 3.0





#25
Ethyl Acetate
Concen: 9.989 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

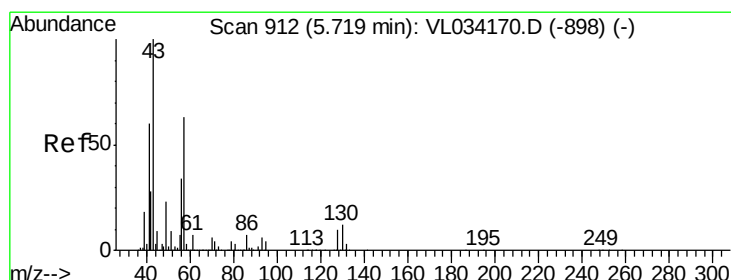
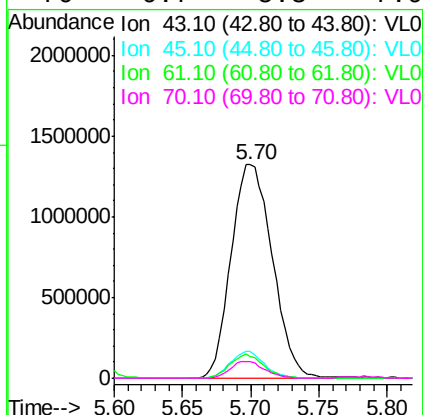
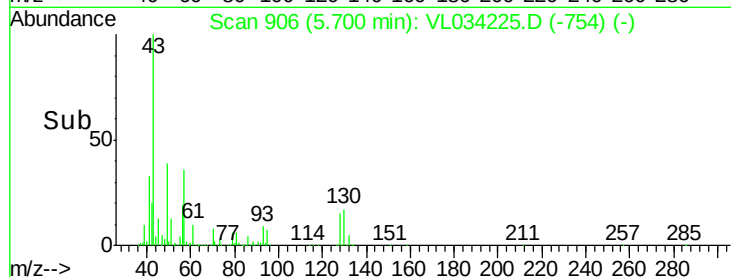
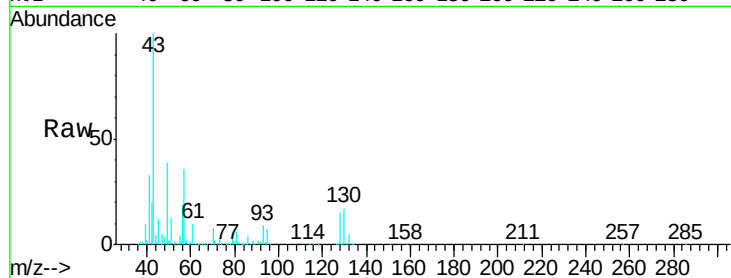
Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 43 Resp: 2777389

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.4	7.2	10.8
70	6.7	5.3	7.9

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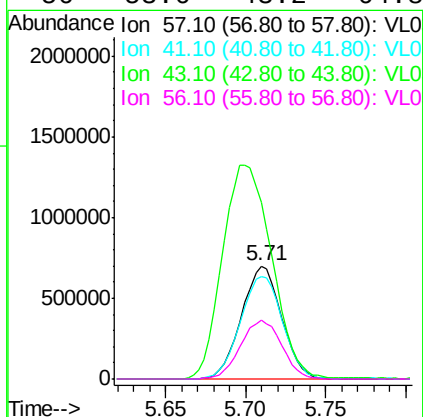
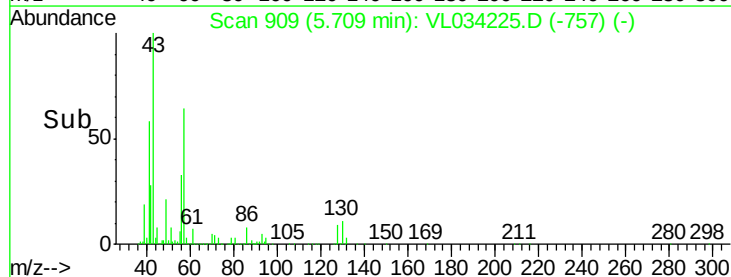
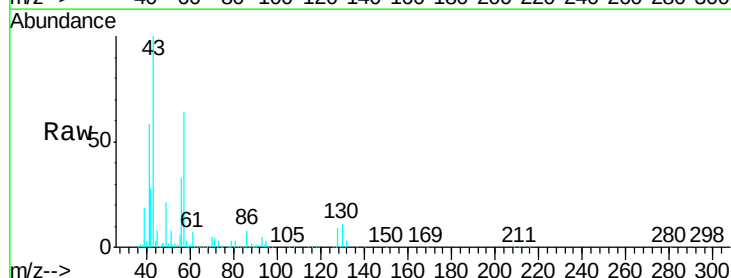
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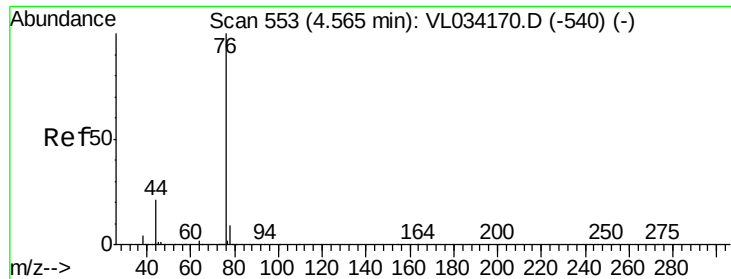


#26
Hexane
Concen: 10.362 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 57 Resp: 1198496

Ion	Ratio	Lower	Upper
57	100		
41	96.1	78.5	117.7
43	233.2	189.5	284.3
56	53.6	43.2	64.8





#27

Carbon Disulfide

Concen: 11.771 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 76 Resp: 1255627

Ion Ratio Lower Upper

76 100

44 21.8 17.6 26.4

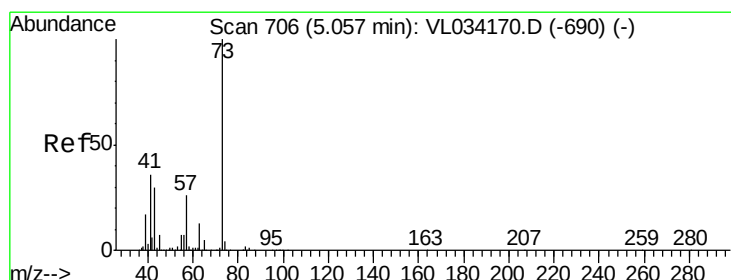
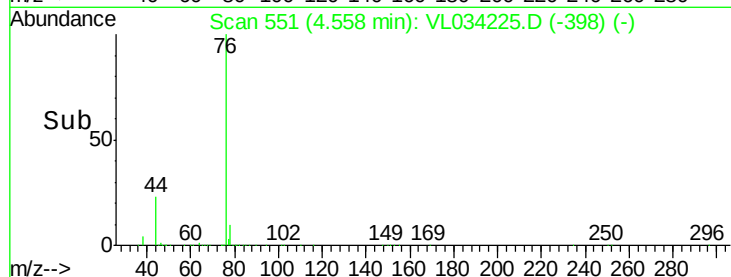
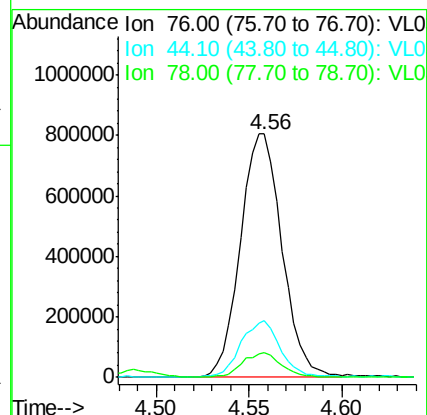
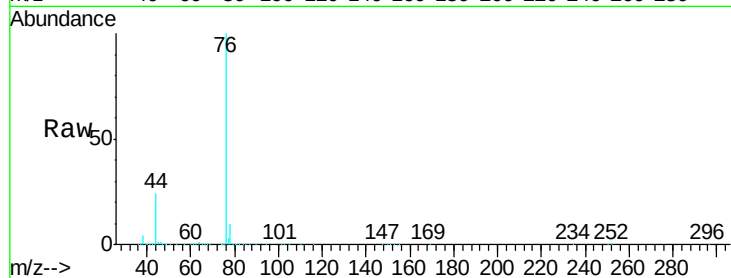
78 9.6 7.6 11.4

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.858 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL034225.D

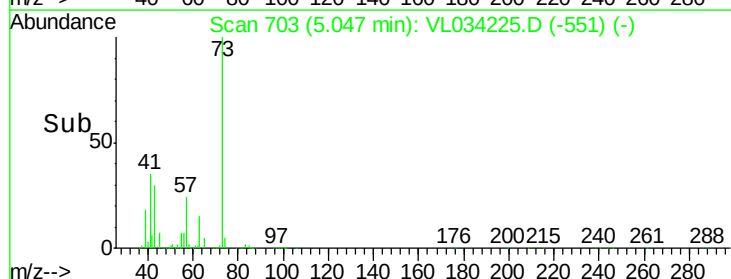
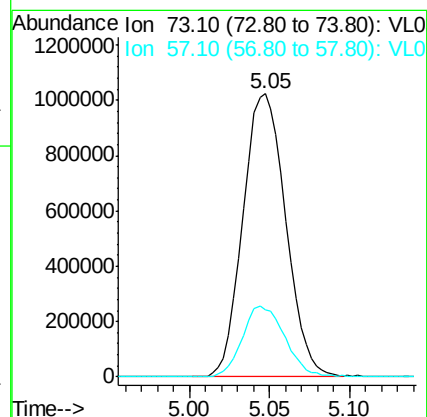
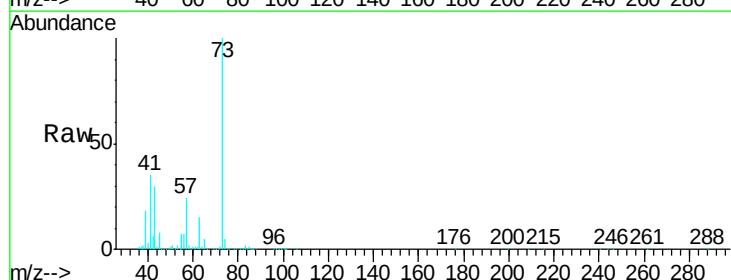
Acq: 7 Oct 2019 16:19

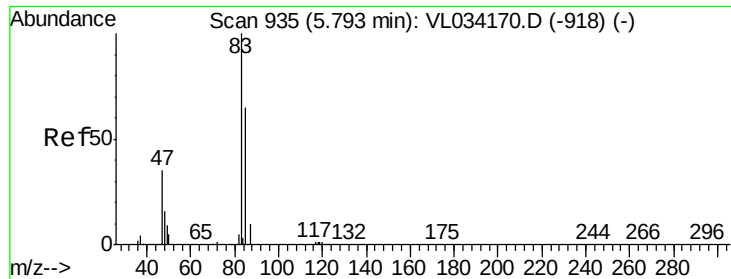
Tgt Ion: 73 Resp: 1865108

Ion Ratio Lower Upper

73 100

57 24.9 20.2 30.2





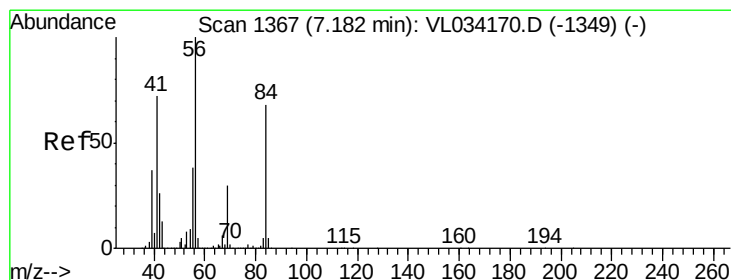
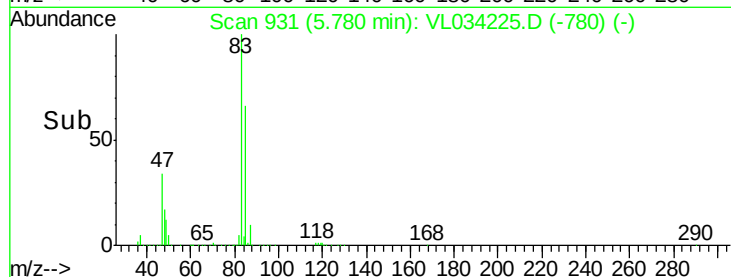
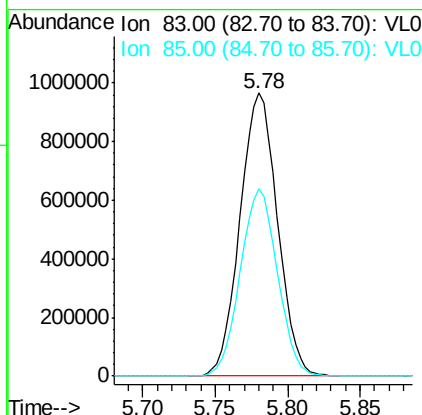
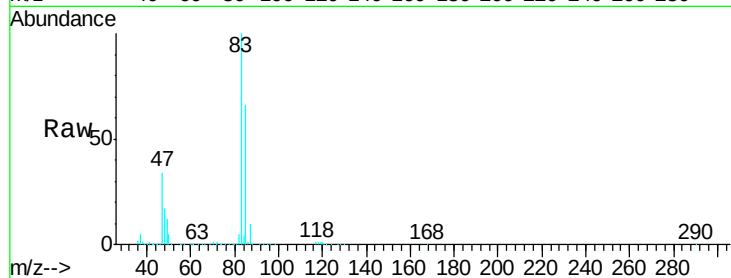
#29
Chloroform
Concen: 10.533 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 83 Resp: 1740772
Ion Ratio Lower Upper
83 100
85 66.3 52.3 78.5

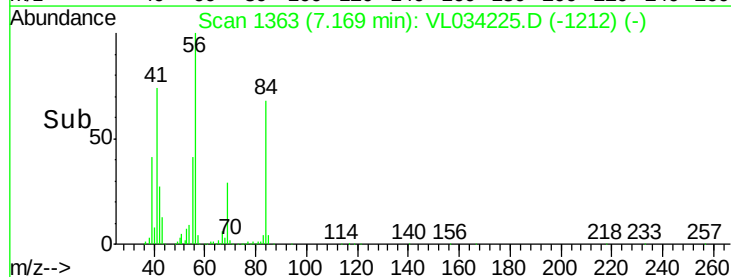
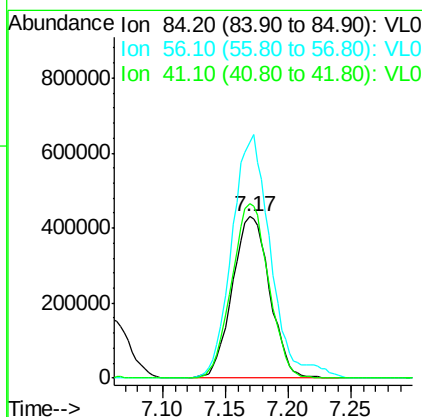
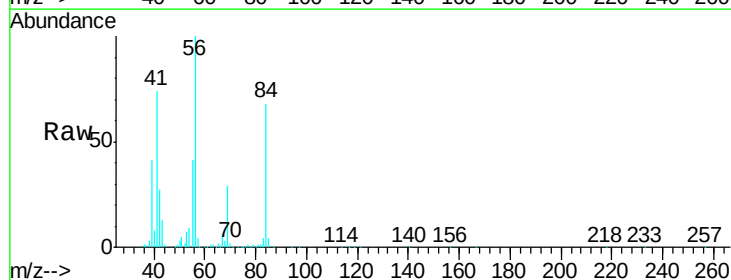
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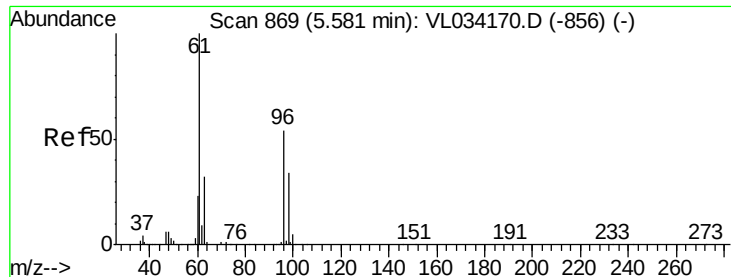
MMDadoda
10/11/2019 5:04:42 PM



#30
Cyclohexane
Concen: 10.745 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 84 Resp: 897264
Ion Ratio Lower Upper
84 100
56 155.6 126.2 189.2
41 106.6 85.8 128.8





#31

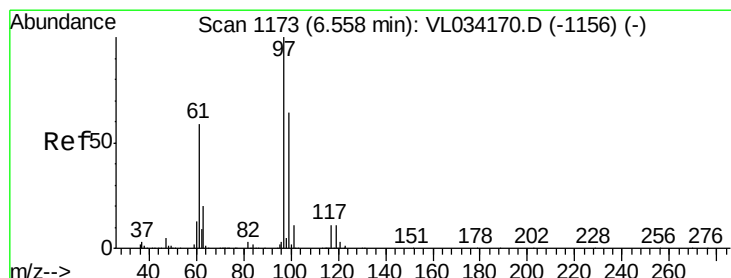
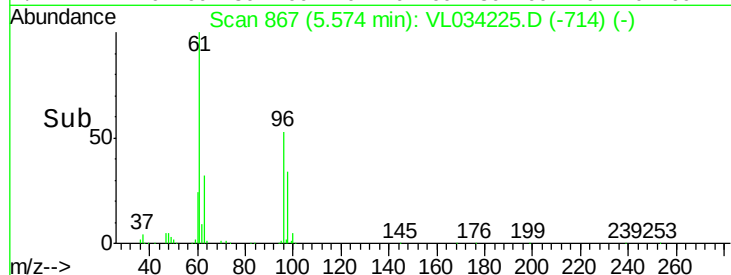
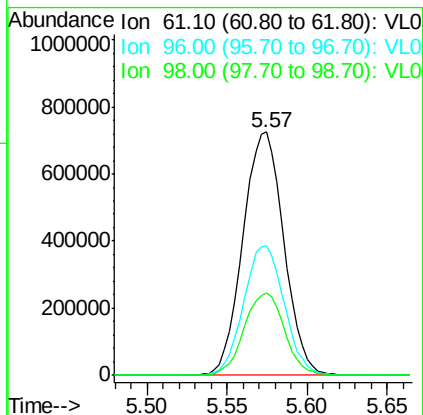
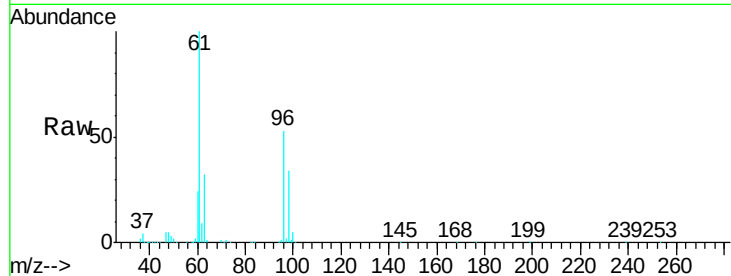
cis-1,2-Dichloroethene
Concen: 10.728 ppbv
RT: 5.57 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 61 Resp: 1264828
Ion Ratio Lower Upper
61 100
96 53.0 43.0 64.4
98 33.7 27.2 40.8

Manual Integrations
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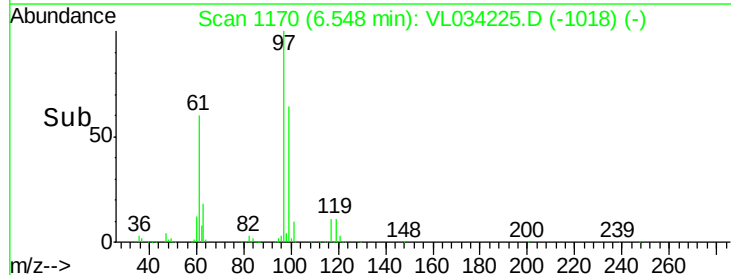
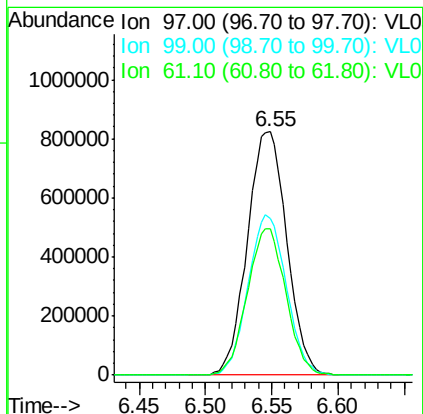
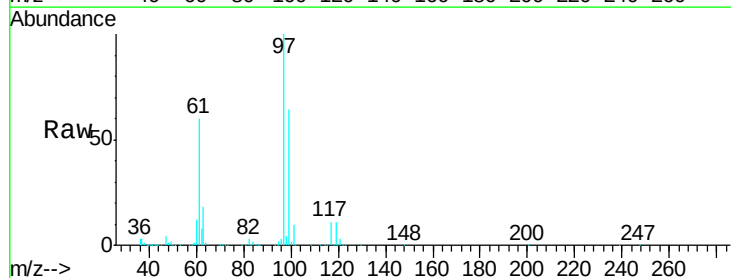
MMDadoda
10/11/2019 5:04:42 PM

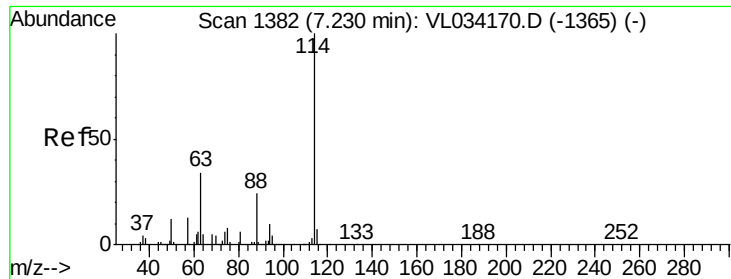


#32

1,1,1-Trichloroethane
Concen: 10.708 ppbv
RT: 6.55 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 97 Resp: 1706856
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.2
61 59.1 48.4 72.6





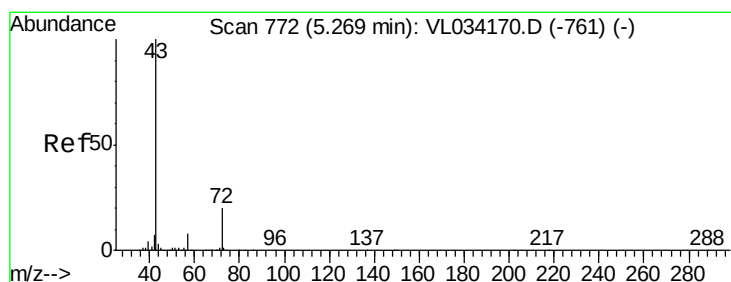
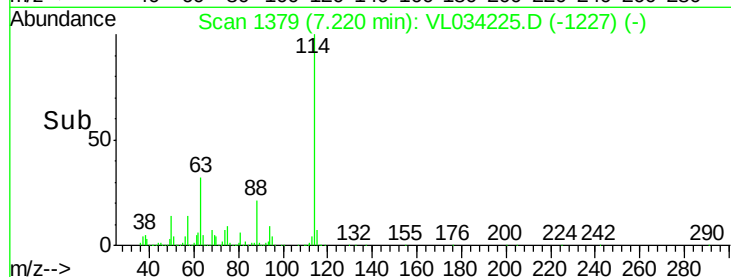
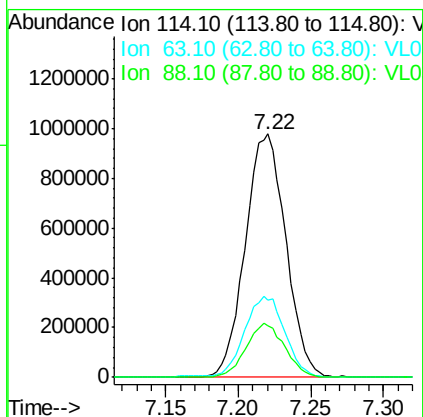
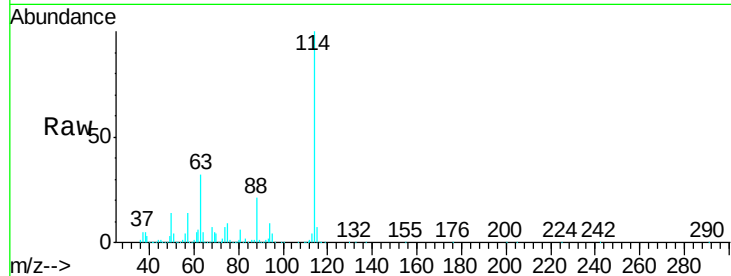
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 114 Resp: 1904069
 Ion Ratio Lower Upper
 114 100
 63 33.8 27.8 41.6
 88 21.2 17.1 25.7

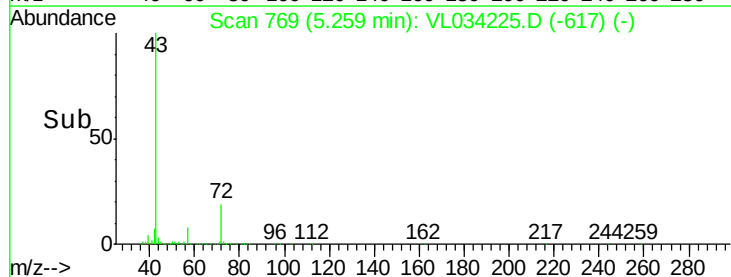
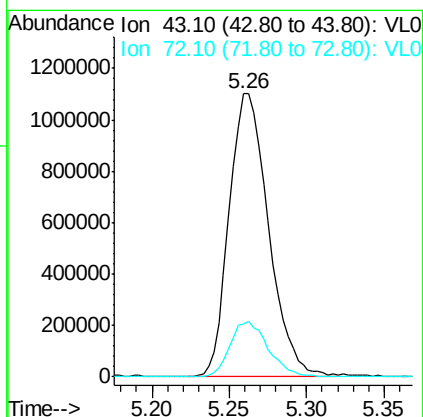
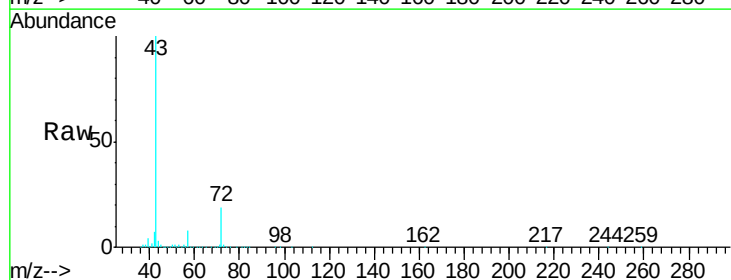
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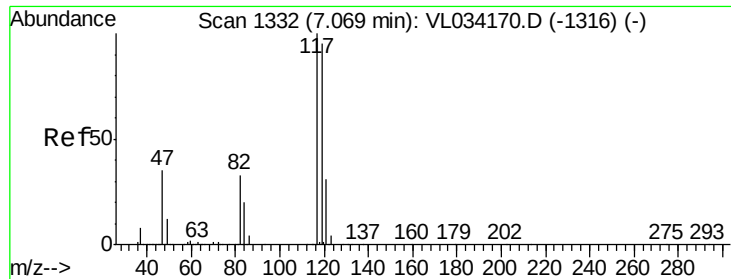
MMDadoda
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#34
 2-Butanone
 Concen: 9.978 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 43 Resp: 1939936
 Ion Ratio Lower Upper
 43 100
 72 19.1 15.0 22.6





#35

Carbon Tetrachloride

Concen: 10.697 ppbv

RT: 7.06 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 117 Resp: 1692098

Ion Ratio Lower Upper

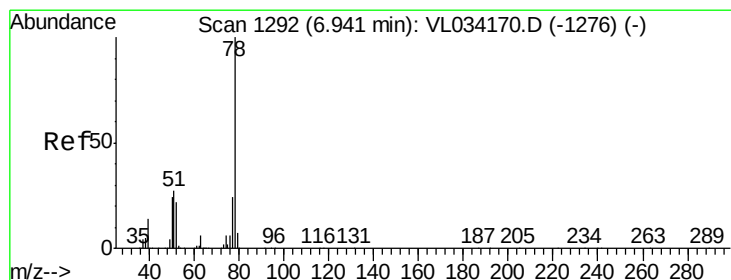
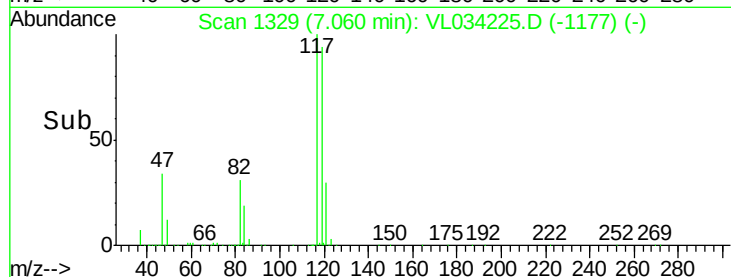
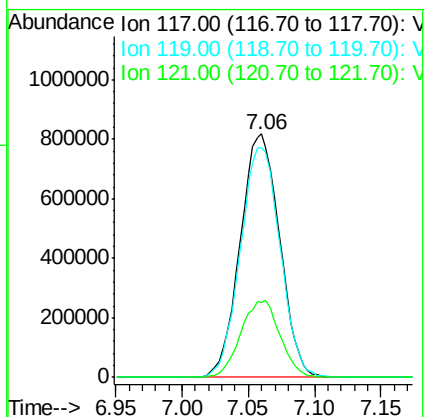
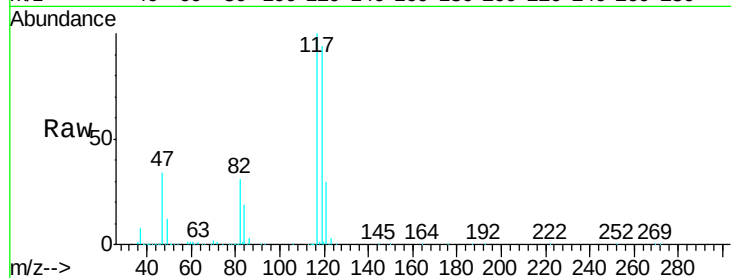
117 100

119 94.5 75.8 113.6

121 30.4 25.0 37.6

Manual Integrations
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#36

Benzene

Concen: 10.054 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

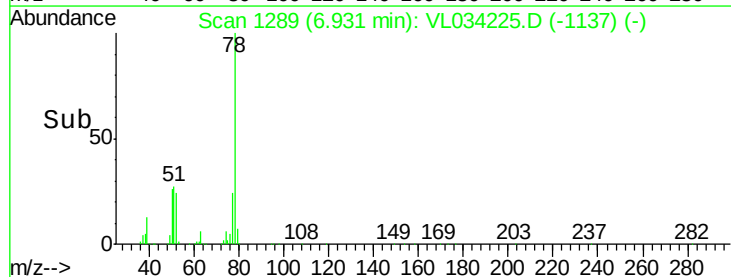
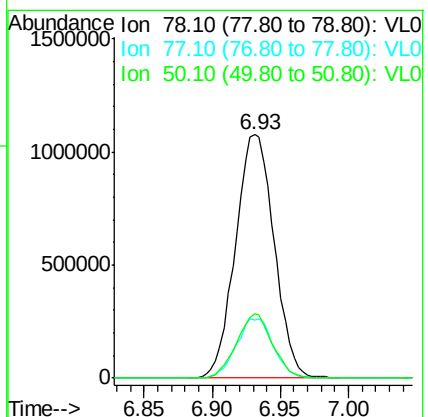
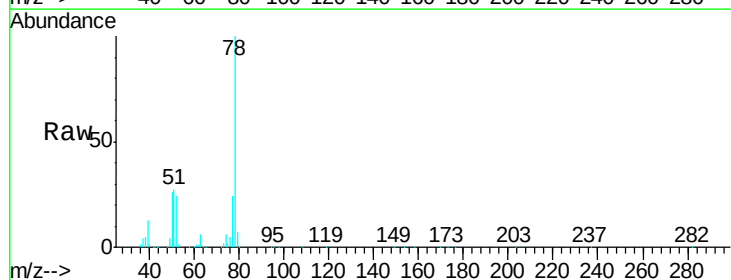
Tgt Ion: 78 Resp: 2114234

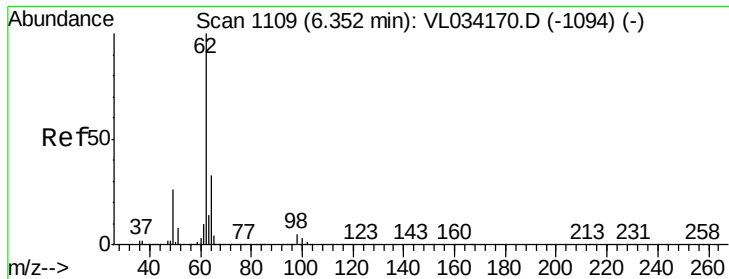
Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

50 26.5 18.9 28.3





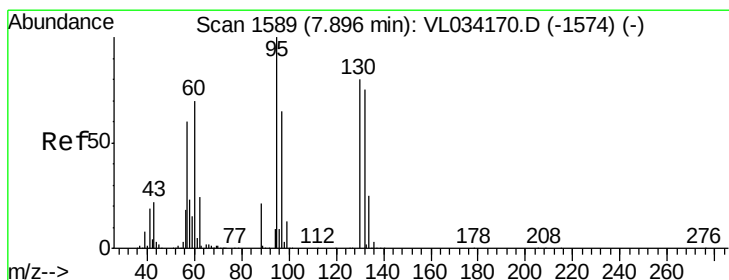
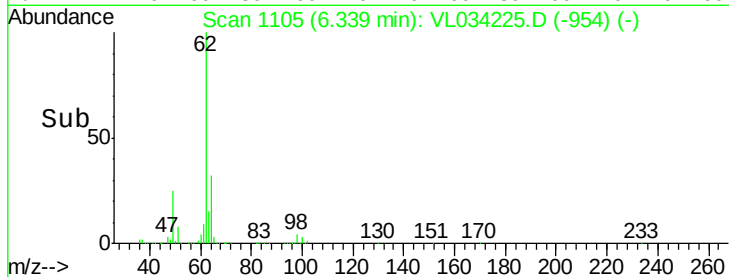
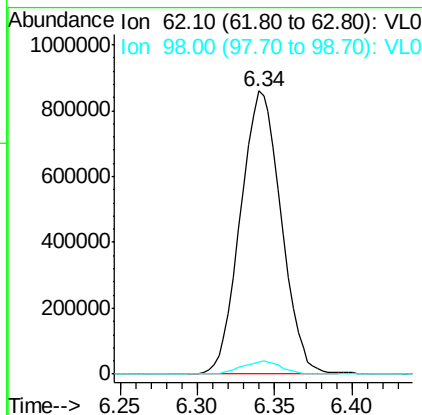
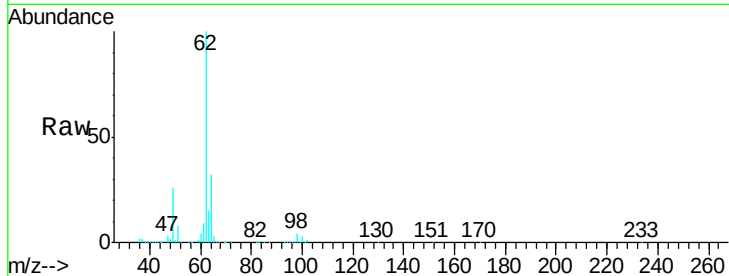
#37
 1,2-Dichloroethane
 Concen: 10.498 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 62 Resp: 1570225
 Ion Ratio Lower Upper
 62 100
 98 4.6 3.8 5.8

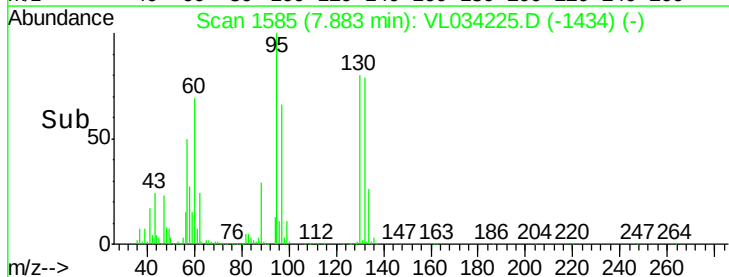
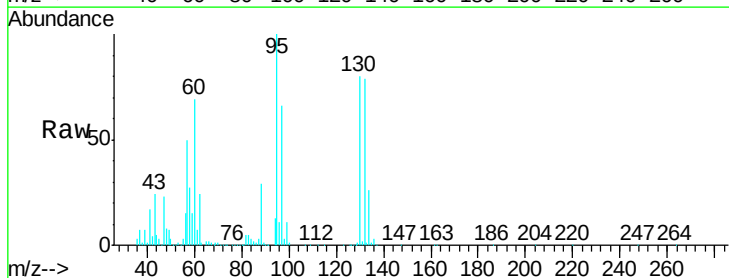
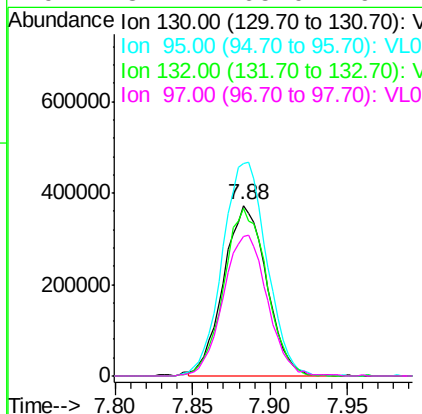
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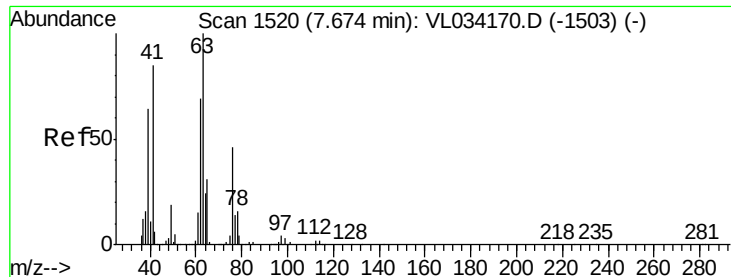
MMDadoda
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#38
 Trichloroethene
 Concen: 9.507 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 130 Resp: 714305
 Ion Ratio Lower Upper
 130 100
 95 124.6 99.8 149.6
 132 98.2 75.2 112.8
 97 81.7 65.0 97.4





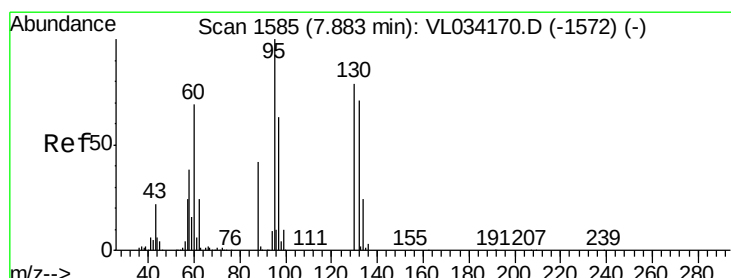
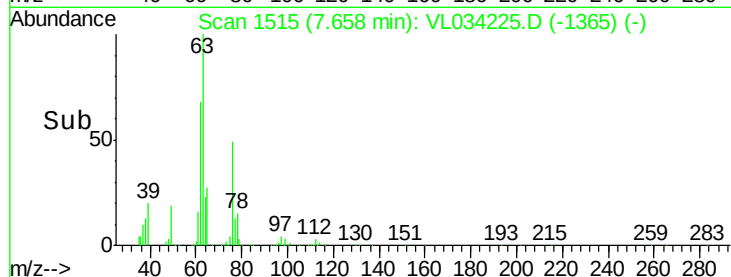
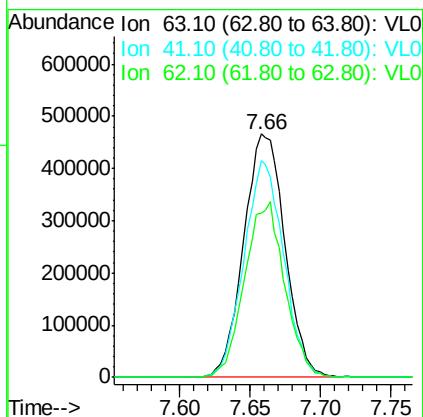
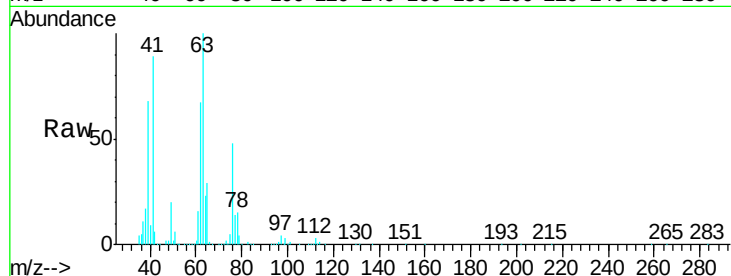
#39
 1,2-Dichloropropane
 Concen: 10.105 ppbv
 RT: 7.66 min Scan# 1515
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	88.9	68.4	102.6
62	67.2	55.4	83.2

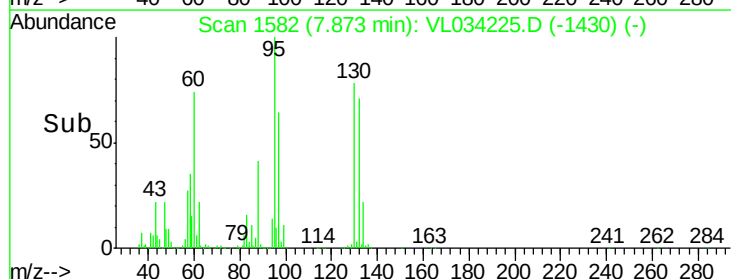
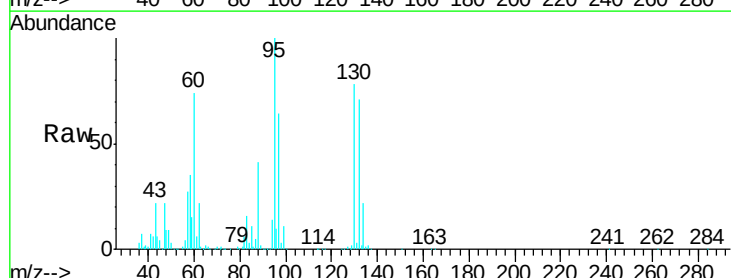
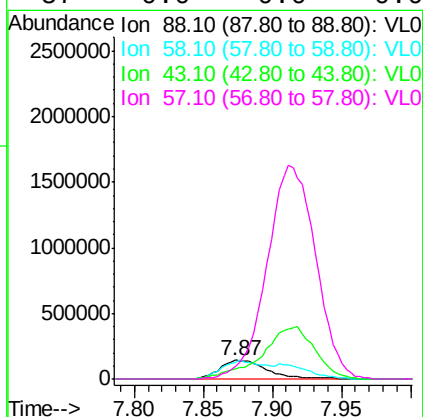
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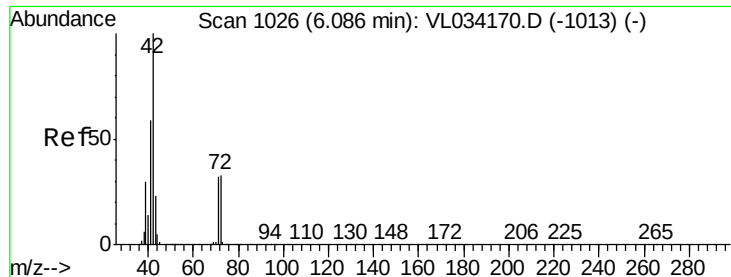
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#40
 1,4-Dioxane
 Concen: 11.085 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

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





#41

Tetrahydrofuran

Concen: 10.408 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

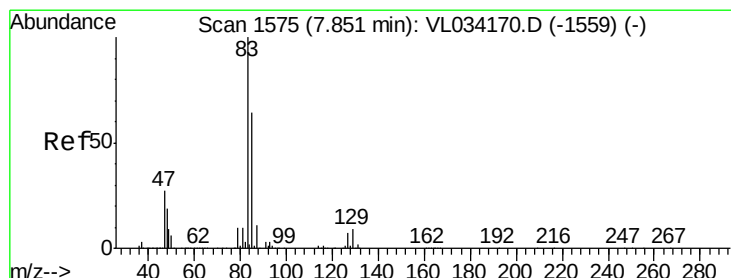
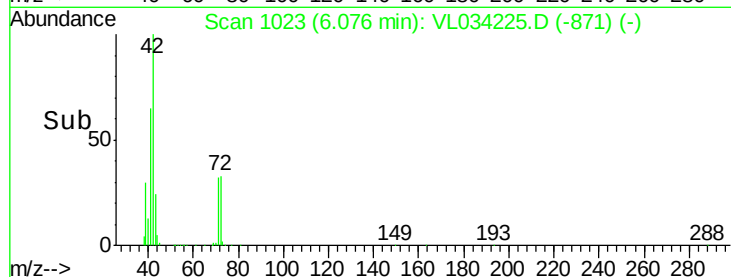
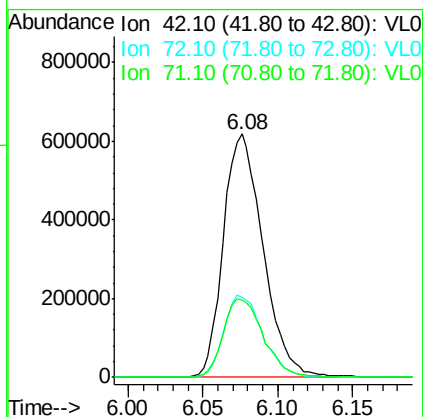
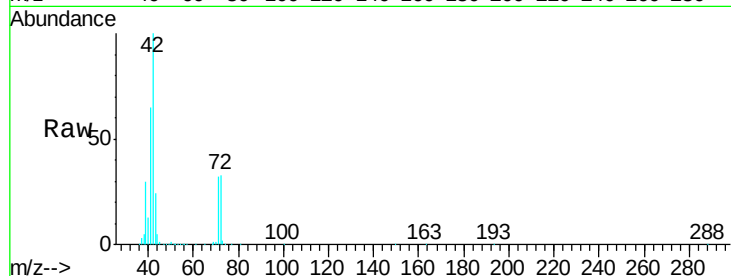
ClientSampleId :

VL1007ABS01

Tgt Ion:	42	Resp:	1139684
Ion	Ratio	Lower	Upper
42	100		
72	33.4	26.6	40.0
71	32.6	25.1	37.7

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#42

Bromodichloromethane

Concen: 10.699 ppbv

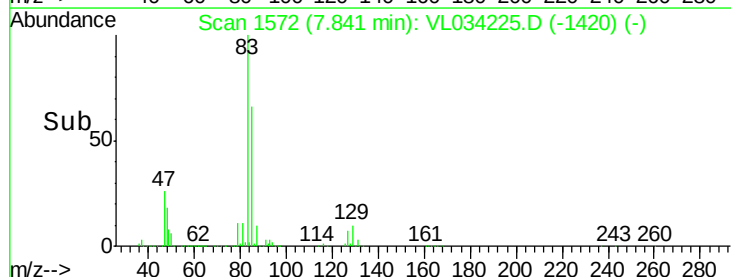
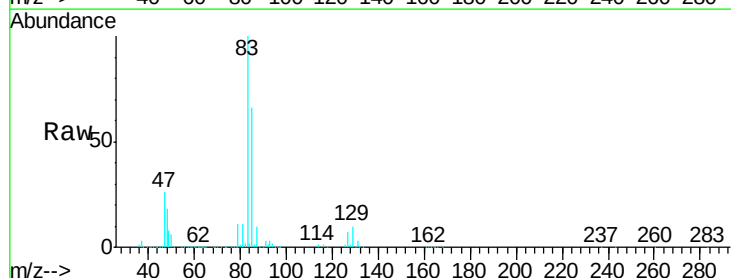
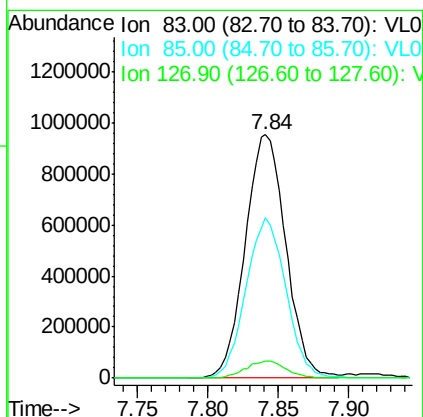
RT: 7.84 min Scan# 1572

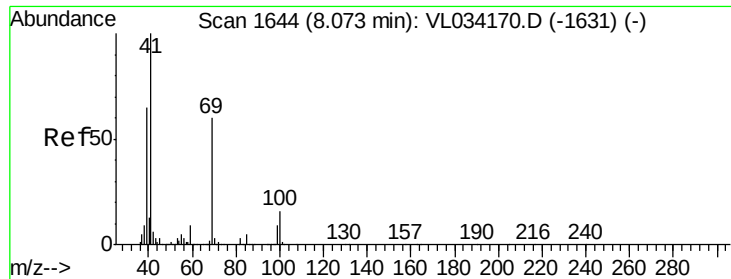
Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion:	83	Resp:	1920573
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.0
127	6.8	5.5	8.3





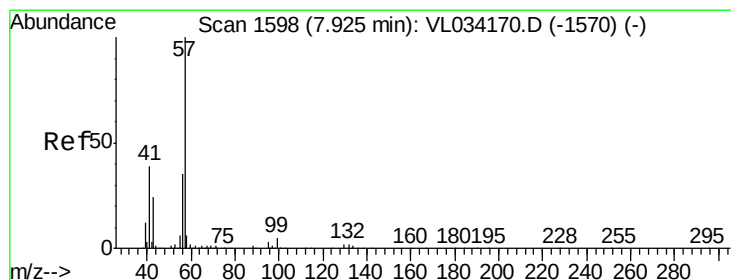
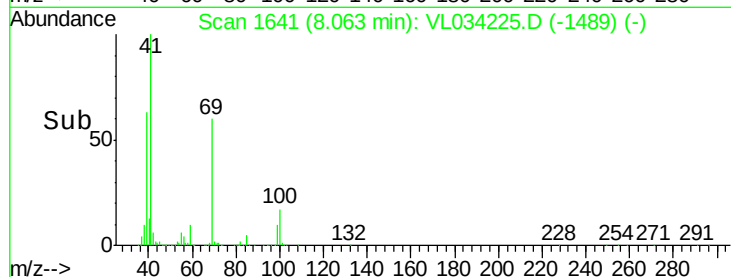
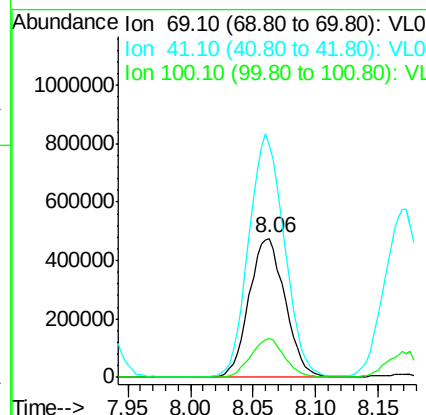
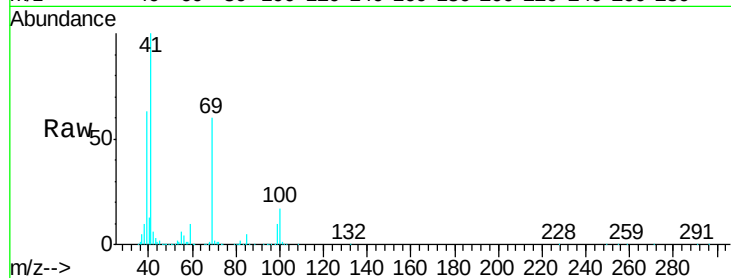
#43
Methyl Methacrylate
Concen: 10.965 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	173.2	140.4	210.6
100	26.3	21.9	32.9

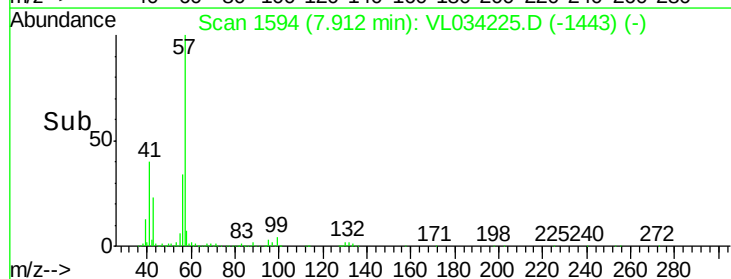
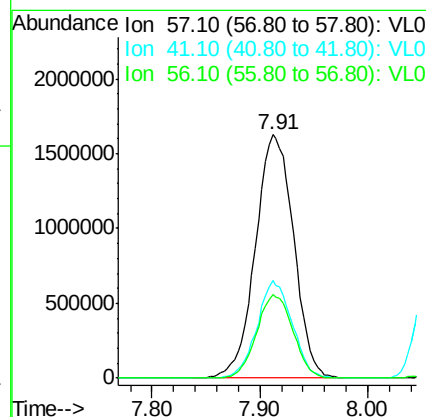
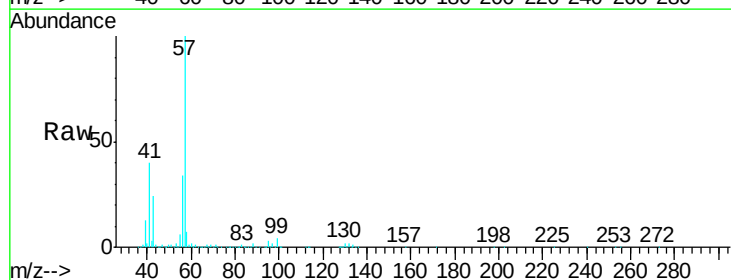
Manual Integrations
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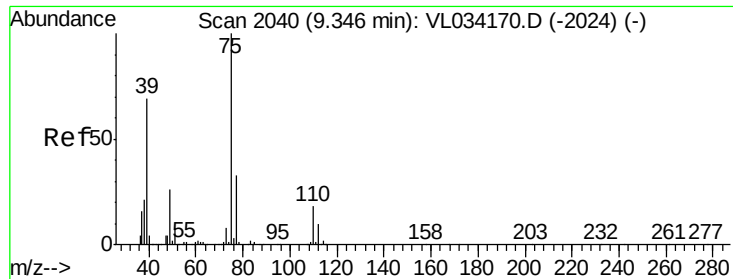
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.874 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.7	29.8	44.6
56	32.5	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 12.155 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 75 Resp: 1248540

Ion Ratio Lower Upper

75 100

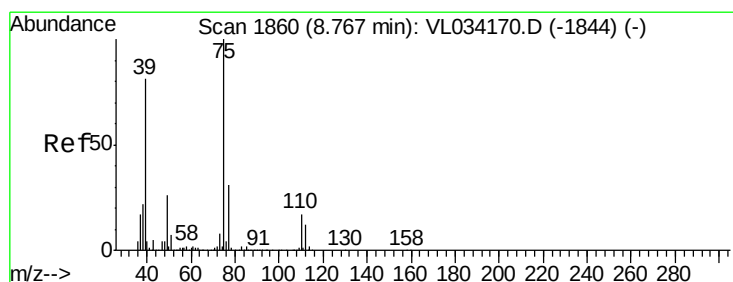
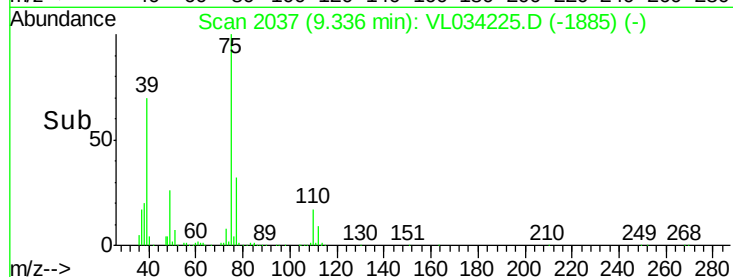
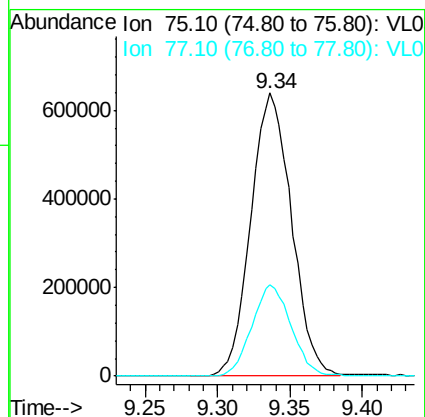
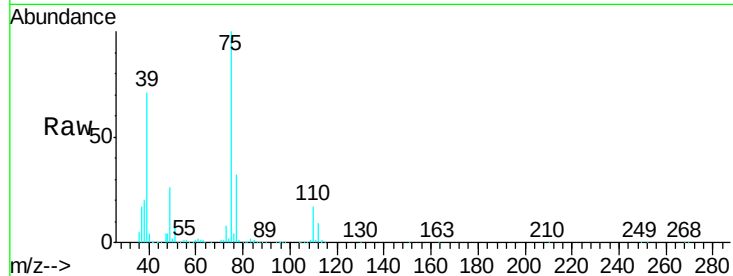
77 32.2 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 11.439 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

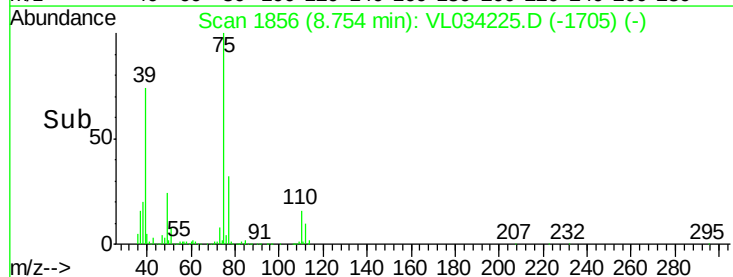
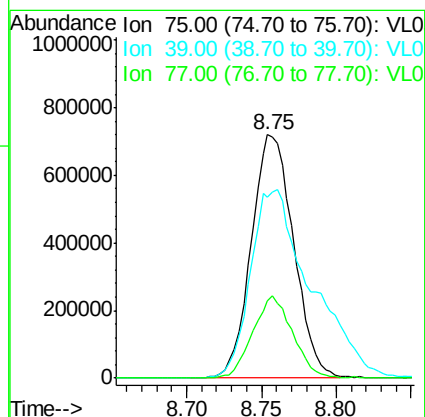
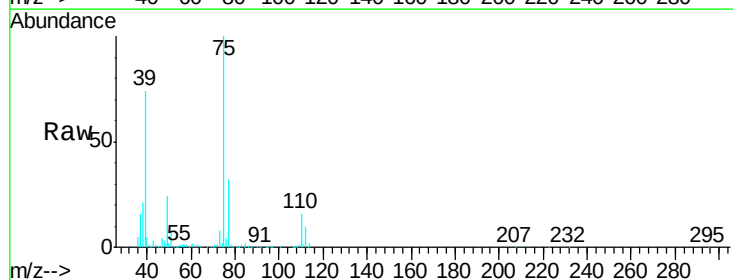
Tgt Ion: 75 Resp: 1413417

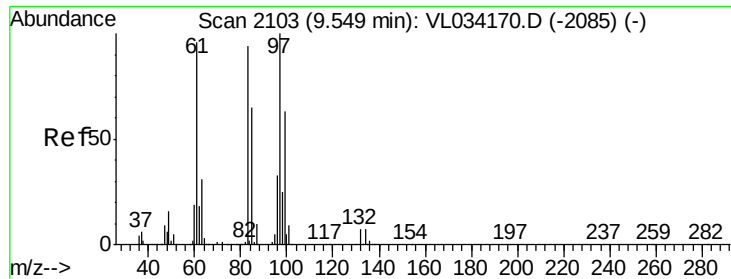
Ion Ratio Lower Upper

75 100

39 74.4 65.0 97.4

77 31.6 24.5 36.7





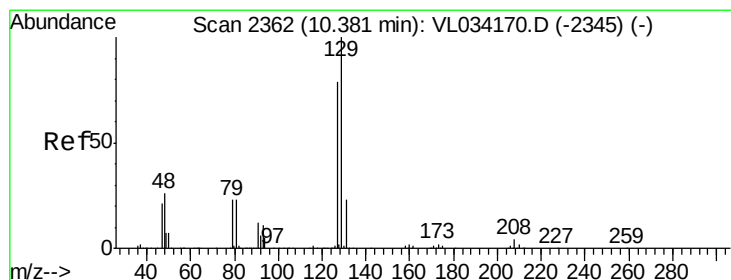
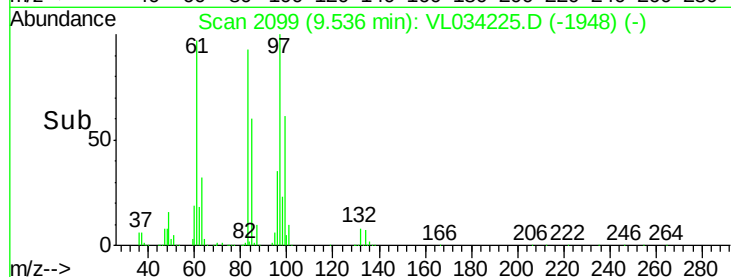
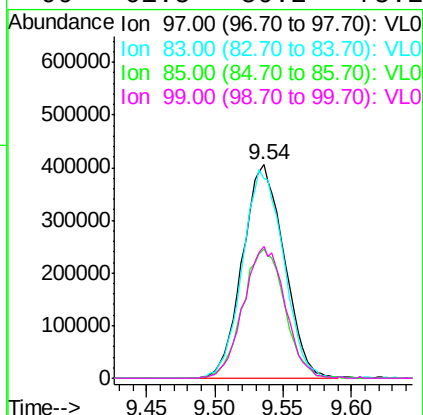
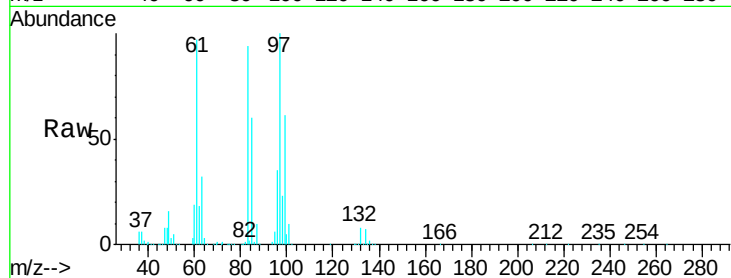
#47
 1,1,2-Trichloroethane
 Concen: 10.183 ppbv
 RT: 9.54 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	60.3	52.1	78.1
99	61.5	50.2	75.2

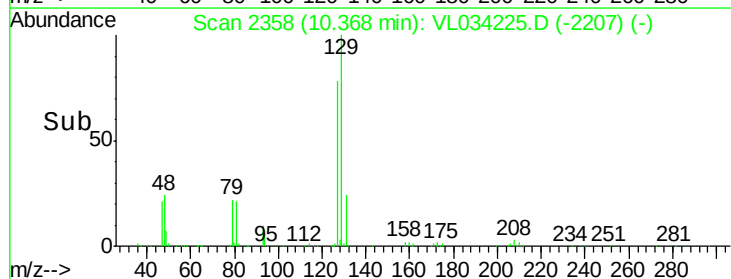
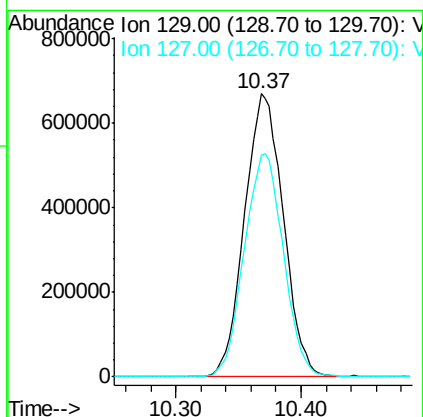
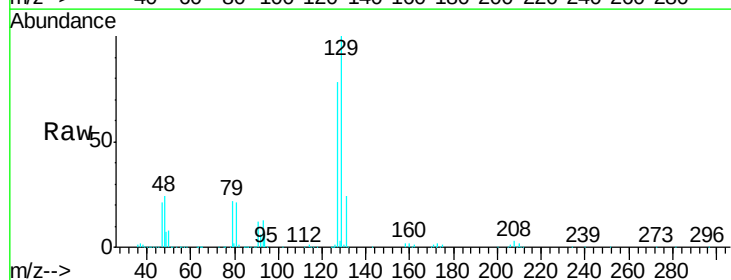
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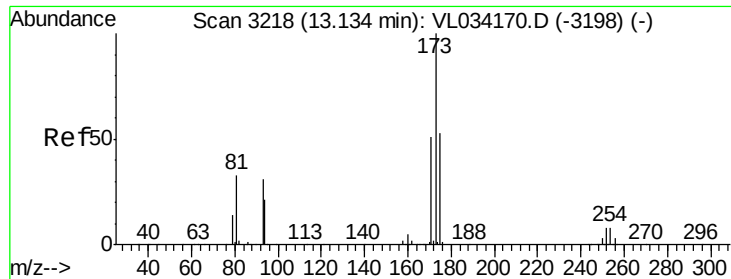
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.726 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.2	117.6





#49

Bromoform

Concen: 10.879 ppbv

RT: 13.12 min Scan# 3213

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion:173 Resp: 1183892

Ion Ratio Lower Upper

173 100

175 49.9 40.3 60.5

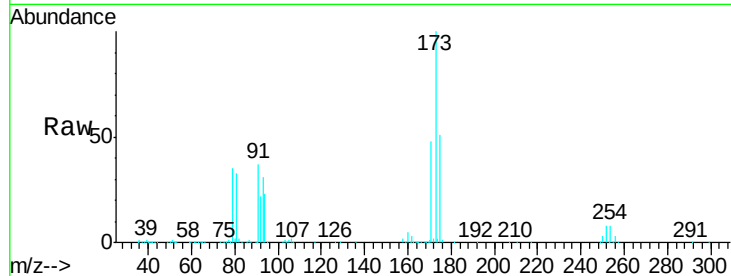
171 52.8 42.0 63.0

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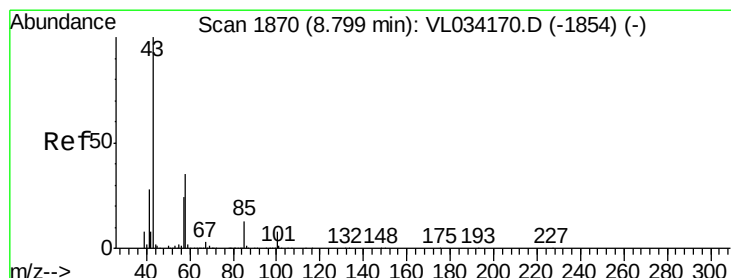
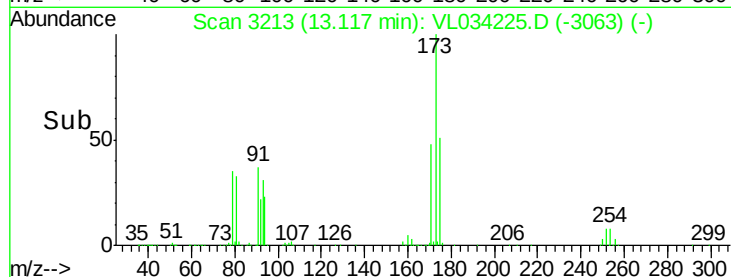
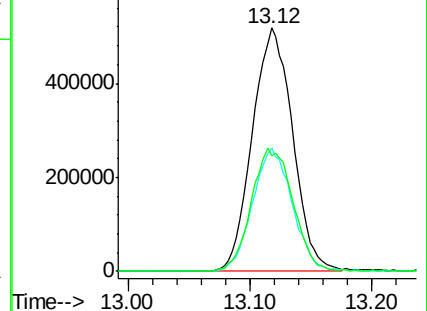
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.966 ppbv

RT: 8.79 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VL034225.D

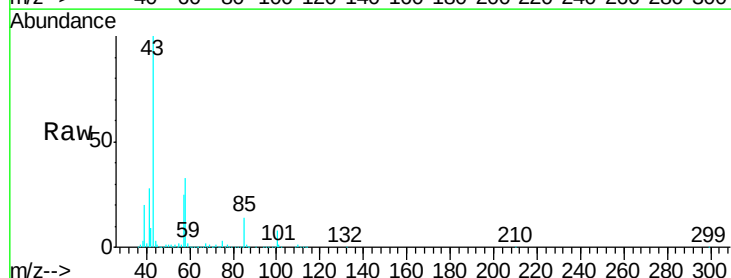
Acq: 7 Oct 2019 16:19

Tgt Ion: 43 Resp: 2819736

Ion Ratio Lower Upper

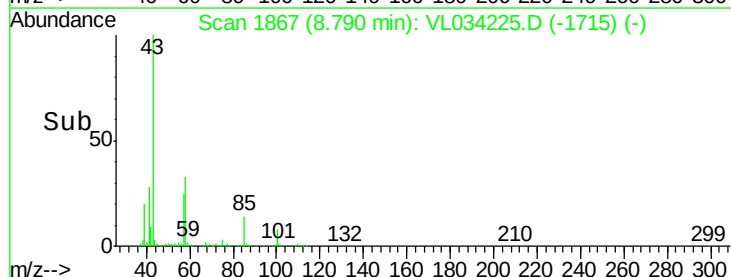
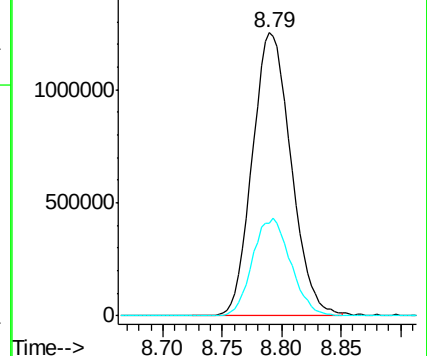
43 100

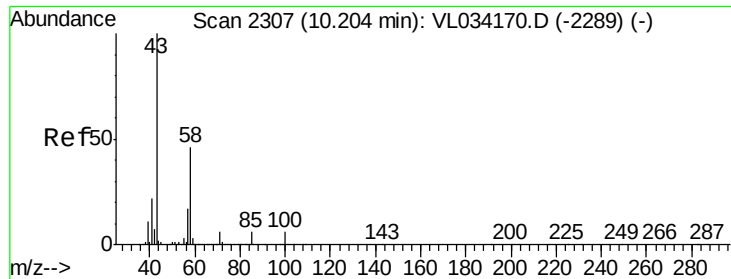
58 34.0 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.063 ppbv

RT: 10.19 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

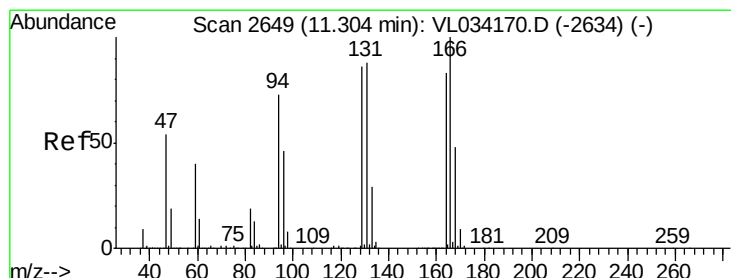
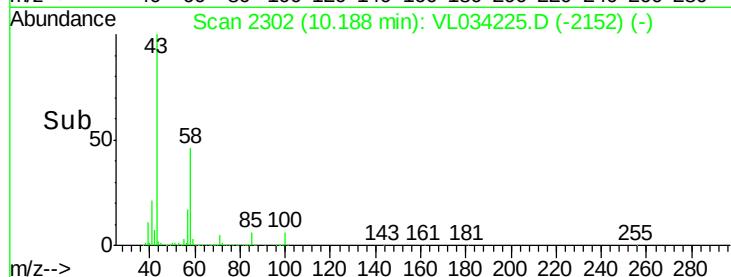
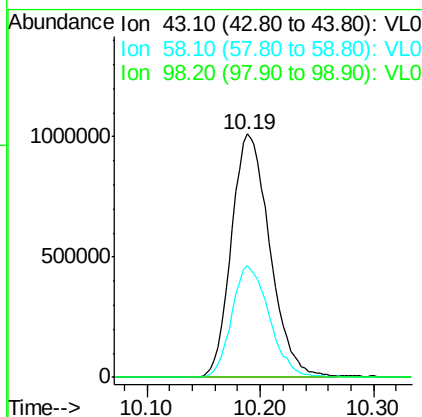
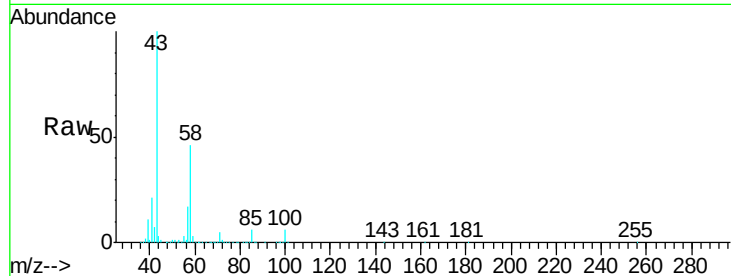
ClientSampleId :

VL1007ABS01

Tgt Ion:	43	Resp:	2389512
Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.2	54.4
98	0.2	0.2	0.2

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#52

Tetrachloroethene

Concen: 9.589 ppbv

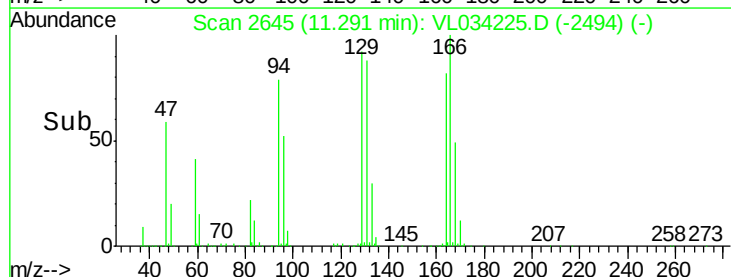
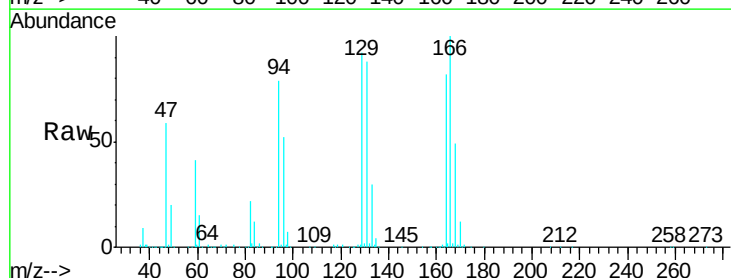
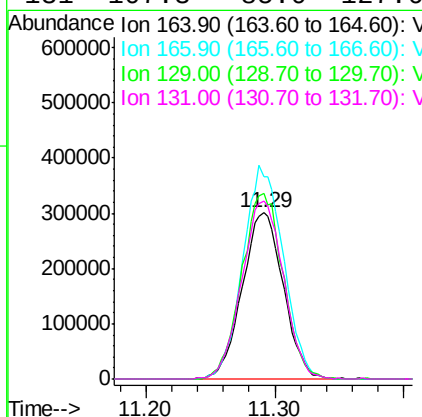
RT: 11.29 min Scan# 2645

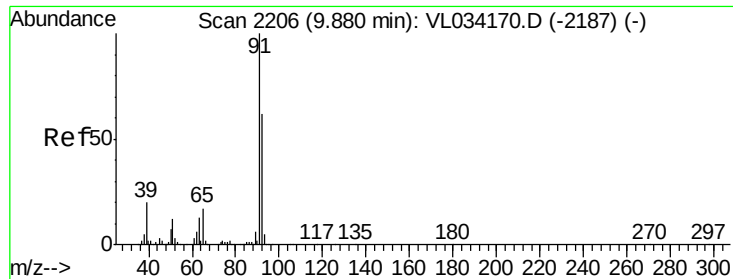
Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion:	164	Resp:	666216
Ion	Ratio	Lower	Upper
164	100		
166	121.4	96.7	145.1
129	111.5	82.8	124.2
131	107.3	85.0	127.6





#53

Toluene

Concen: 10.220 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 91 Resp: 2348832

Ion Ratio Lower Upper

91 100

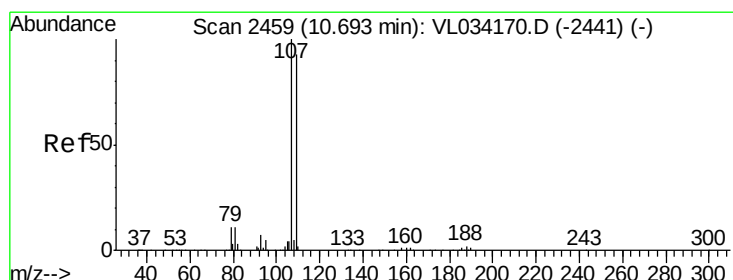
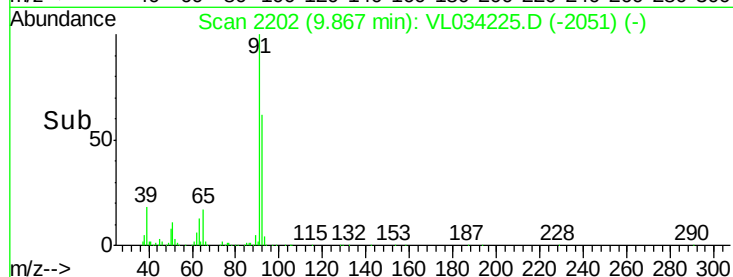
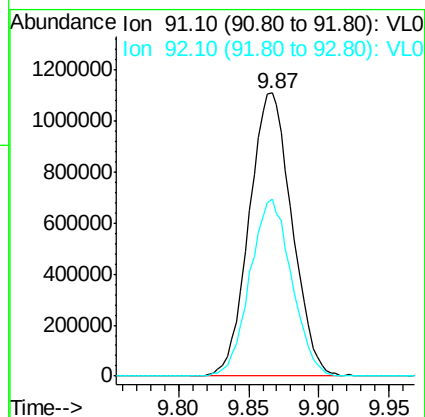
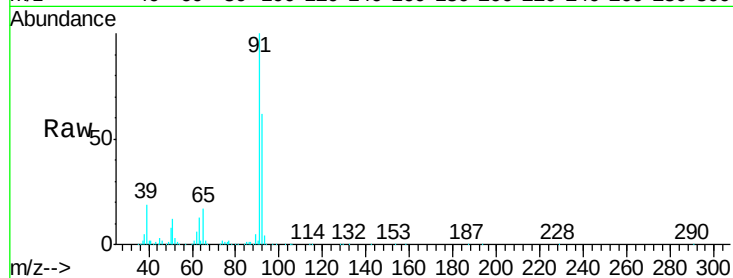
92 61.2 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 10.263 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034225.D

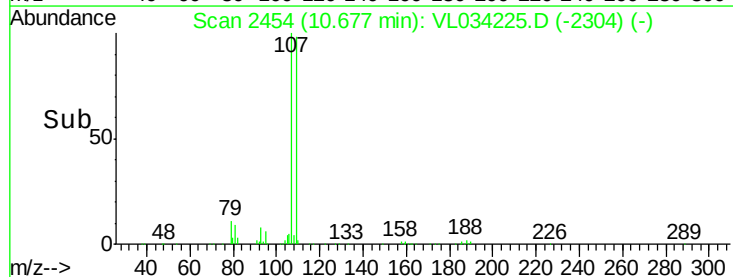
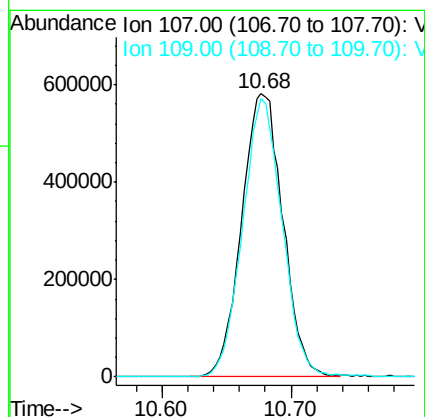
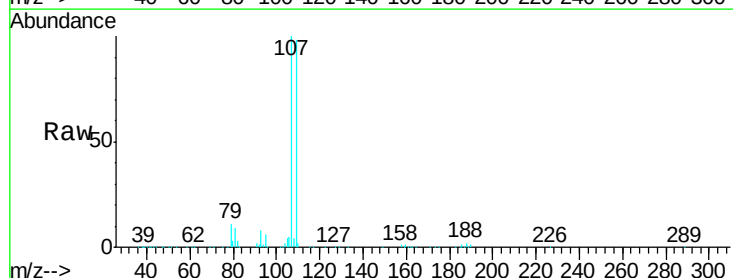
Acq: 7 Oct 2019 16:19

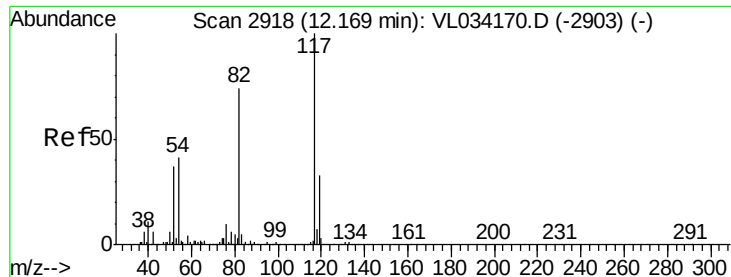
Tgt Ion: 107 Resp: 1295019

Ion Ratio Lower Upper

107 100

109 98.1 74.5 111.7





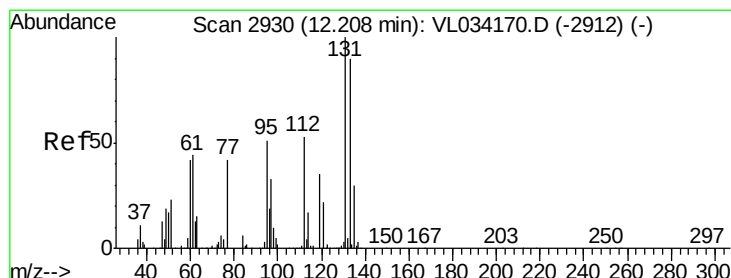
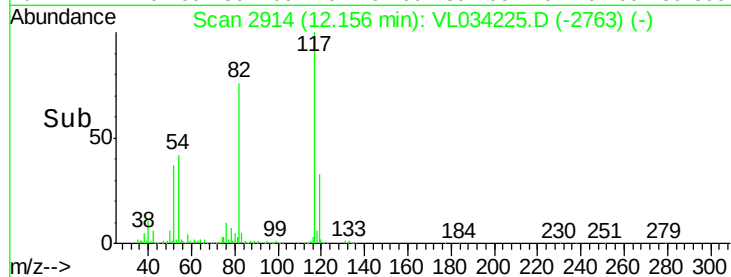
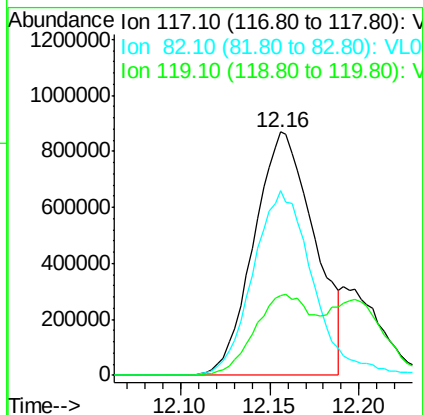
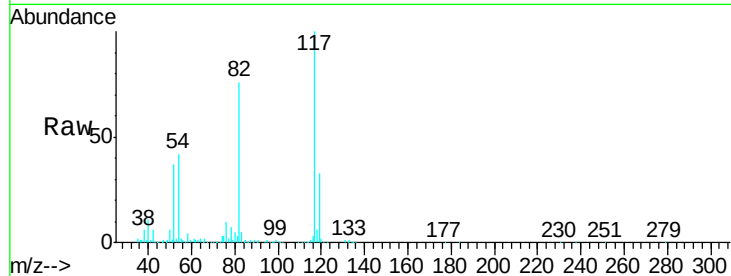
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion:117 Resp: 2045923
Ion Ratio Lower Upper
117 100
82 76.4 58.2 87.4
119 30.3 23.7 35.5

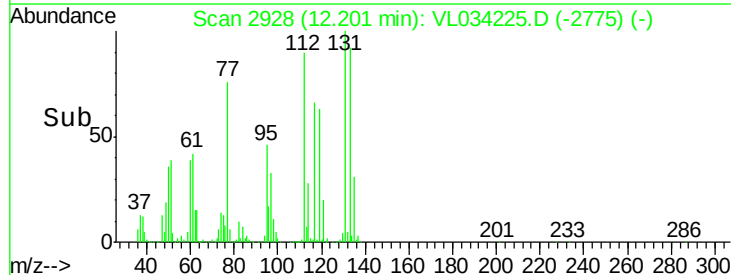
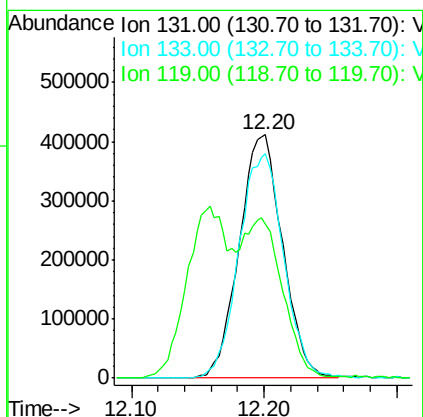
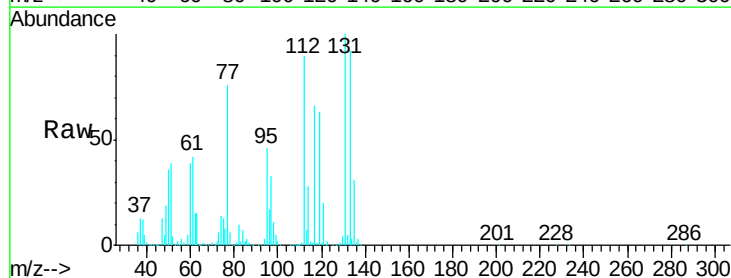
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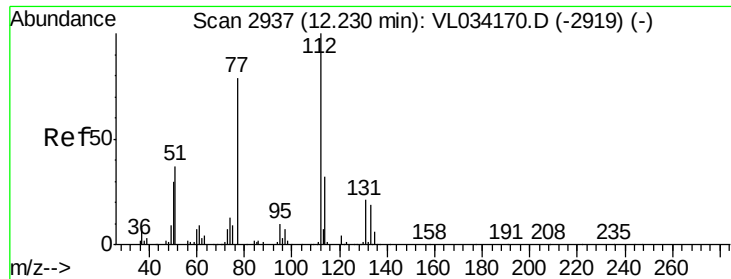
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.218 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion:131 Resp: 932354
Ion Ratio Lower Upper
131 100
133 95.8 75.1 112.7
119 61.0 47.4 71.0





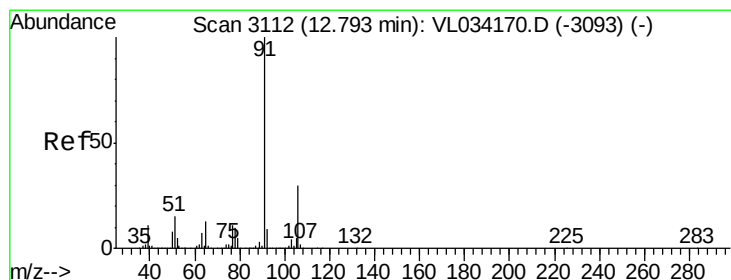
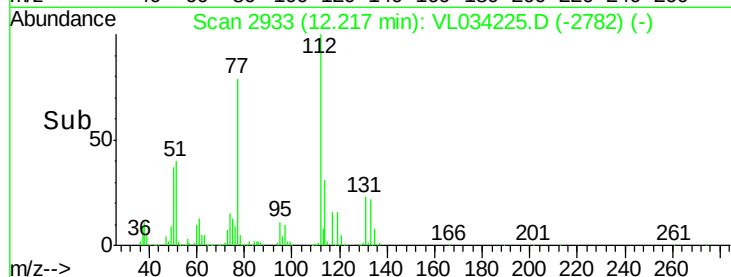
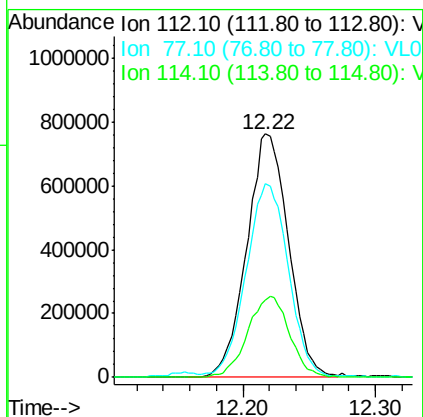
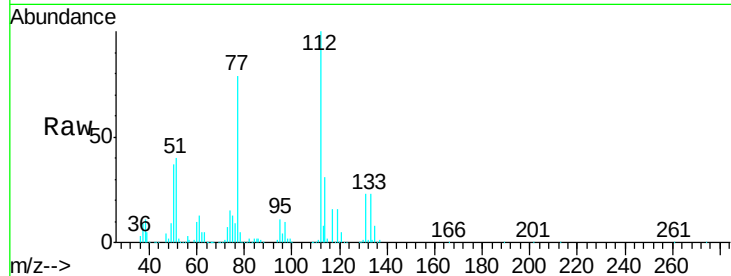
#57
Chlorobenzene
Concen: 9.377 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 112 Resp: 1670306
Ion Ratio Lower Upper
112 100
77 78.8 64.3 96.5
114 31.4 28.9 35.3

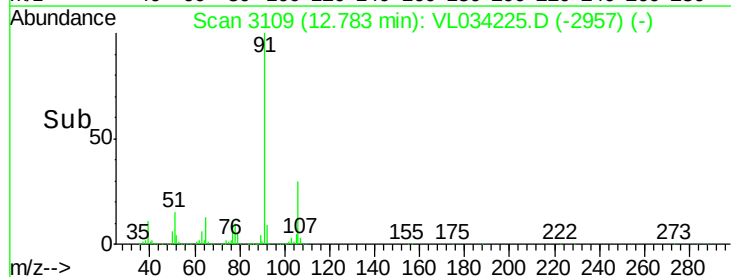
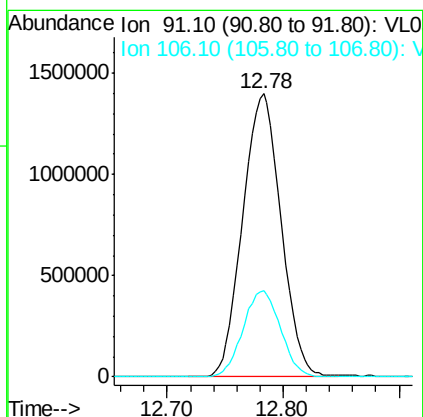
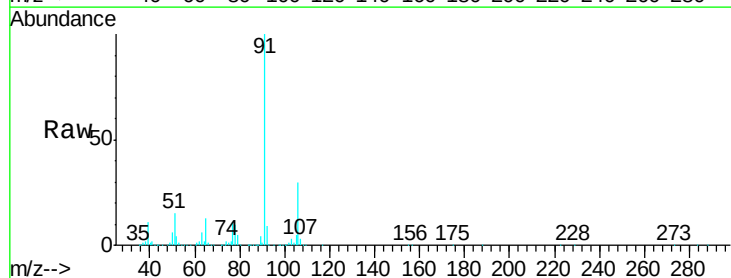
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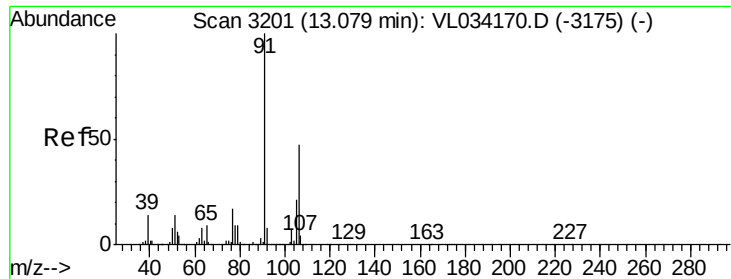
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#58
Ethyl Benzene
Concen: 9.768 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 3224546
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4





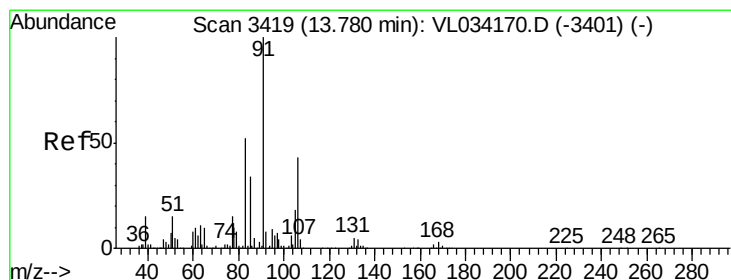
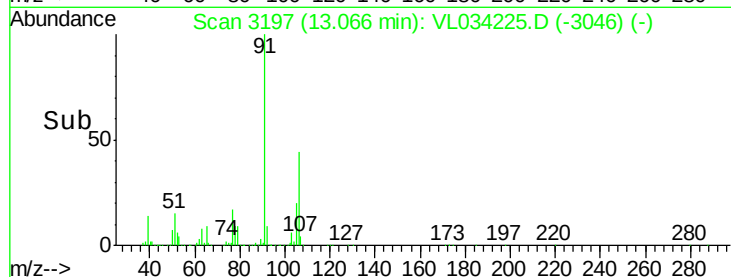
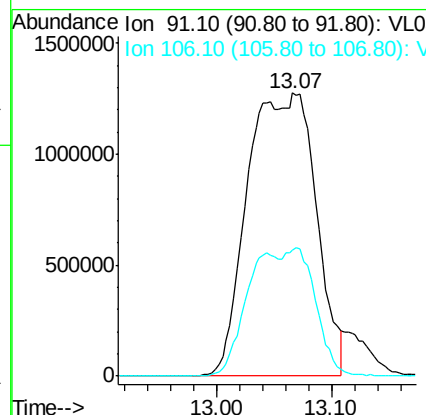
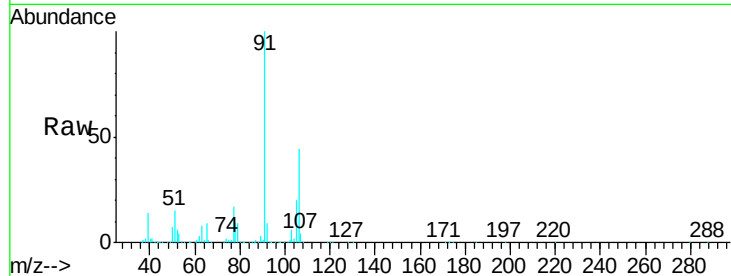
#59
m/p-Xylene
Concen: 19.197 ppbv m
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion: 91 Resp: 5248897
Ion Ratio Lower Upper
91 100
106 43.8 35.5 53.3

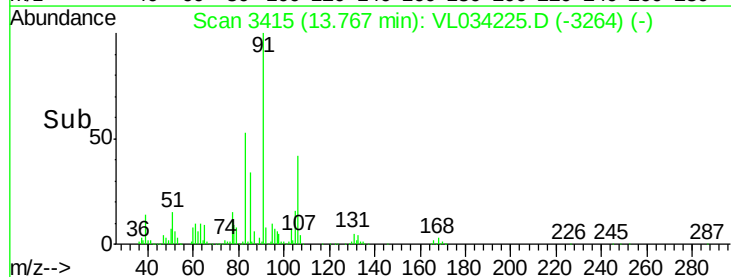
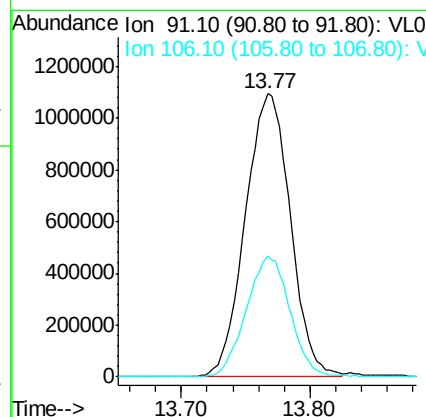
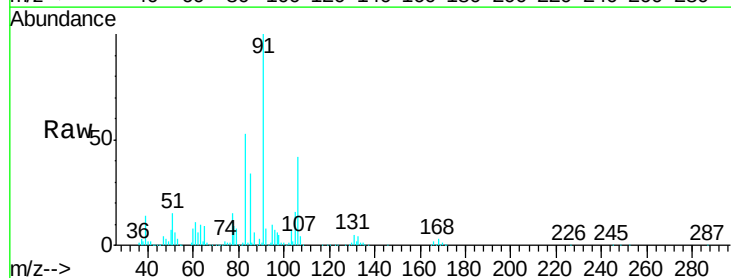
Manual Integrations
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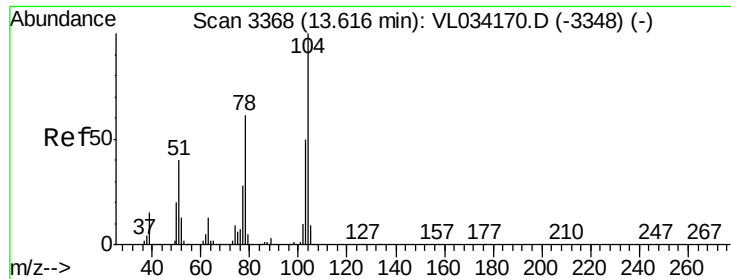
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#60
o-Xylene
Concen: 9.731 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 2660582
Ion Ratio Lower Upper
91 100
106 41.8 21.2 63.6





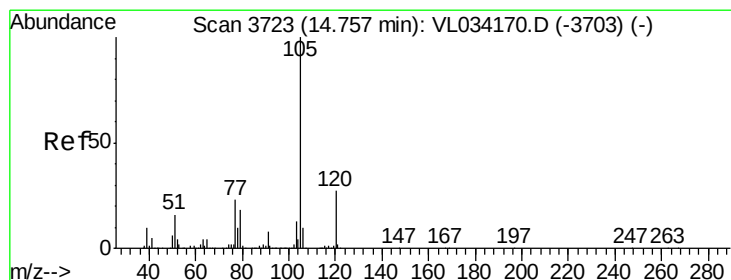
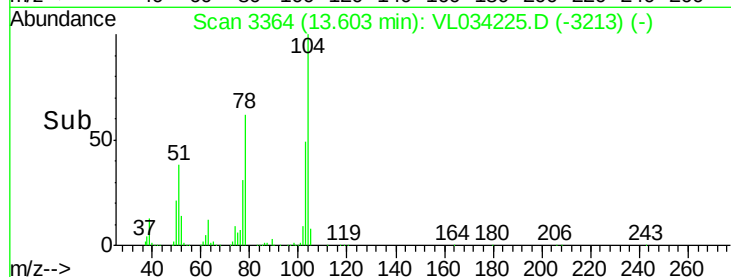
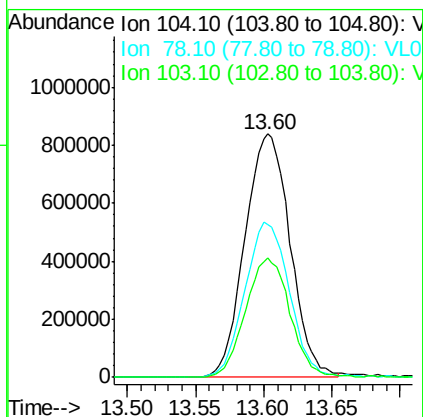
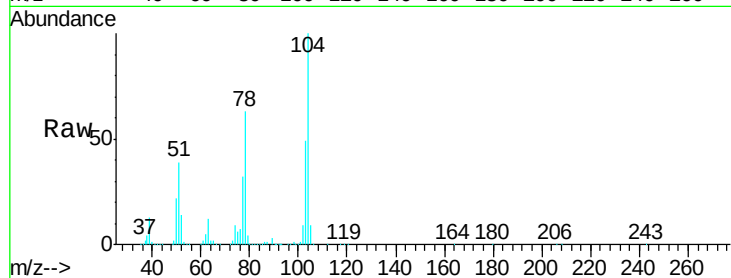
#61
Styrene
Concen: 9.858 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion:104 Resp: 1930628
Ion Ratio Lower Upper
104 100
78 63.4 49.7 74.5
103 48.6 38.4 57.6

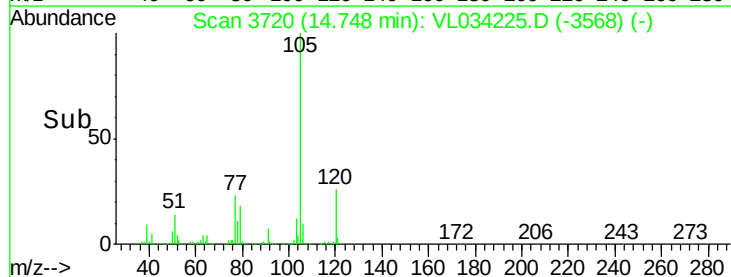
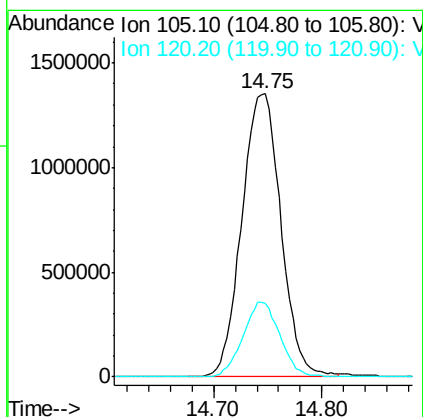
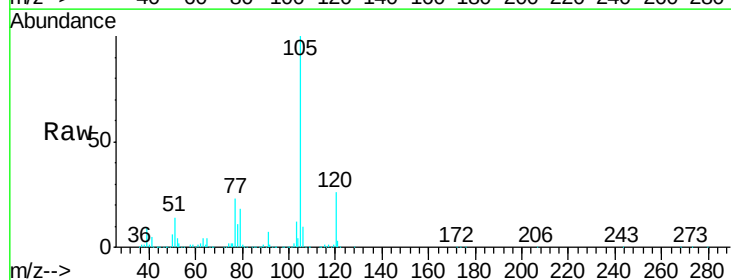
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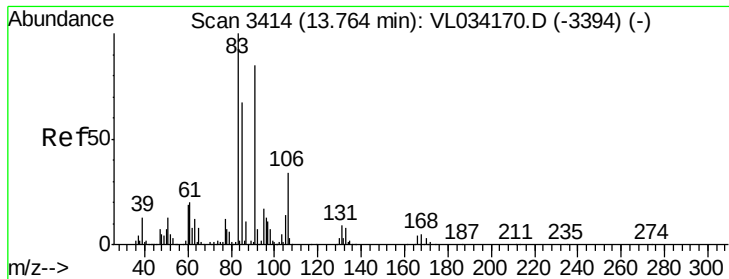
MMDadoda
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#62
Isopropylbenzene
Concen: 9.627 ppbv
RT: 14.75 min Scan# 3720
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion:105 Resp: 3407284
Ion Ratio Lower Upper
105 100
120 25.1 20.7 31.1





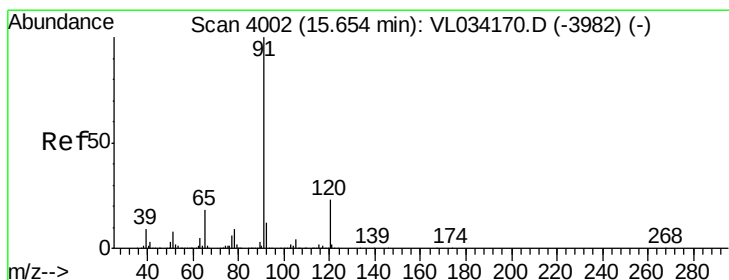
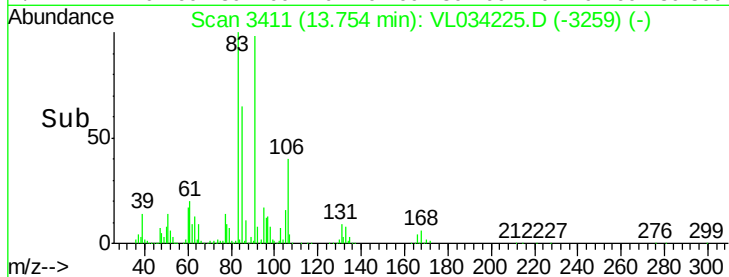
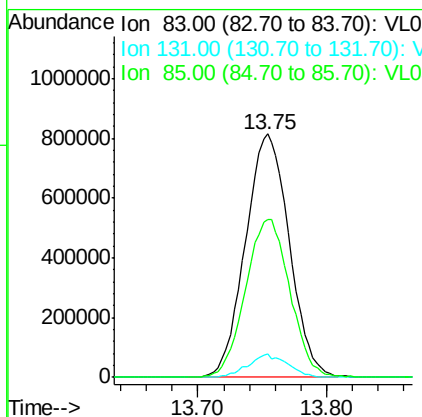
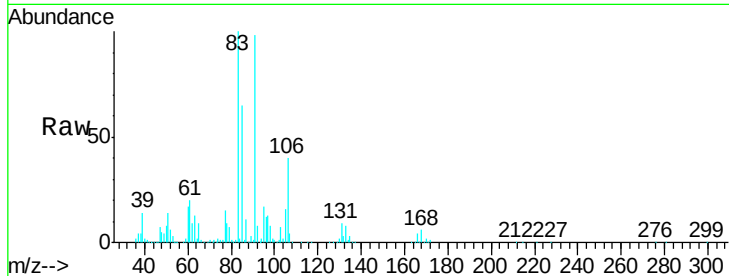
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.569 ppbv
 RT: 13.75 min Scan# 3411
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.8
85	65.8	32.8	98.4

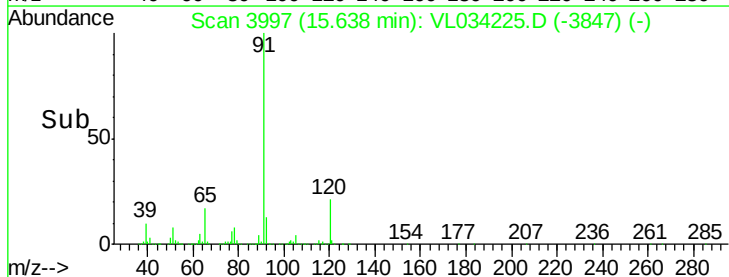
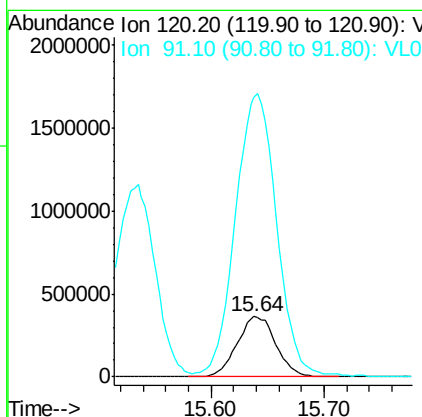
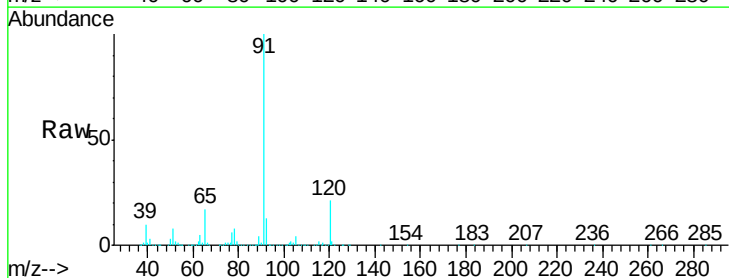
Manual Integrations
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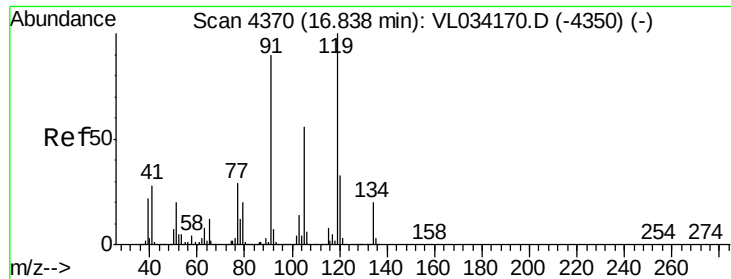
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.644 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion	Ratio	Lower	Upper
120	100		
91	502.8	378.2	567.2





#65

tert-Butylbenzene

Concen: 9.415 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

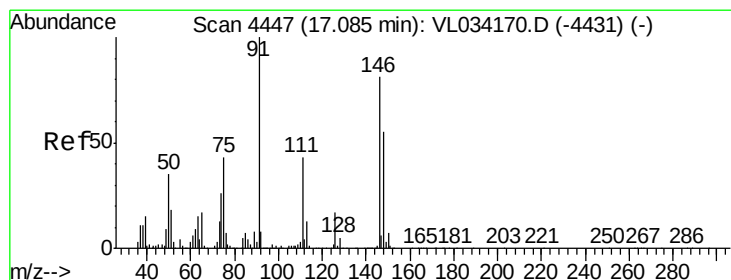
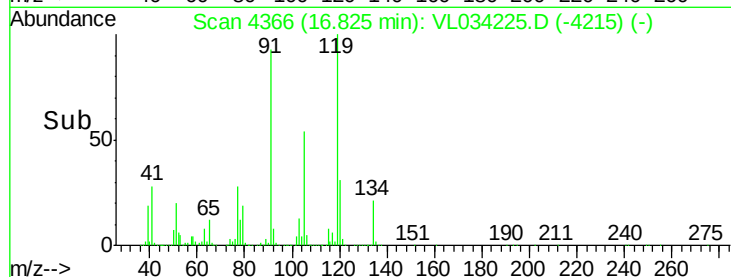
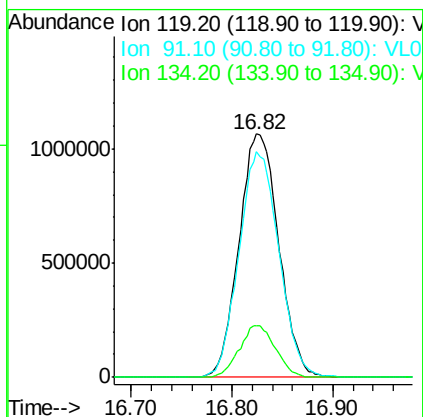
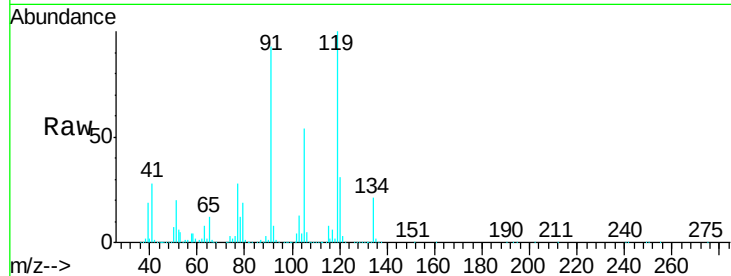
VL1007ABS01

Tgt Ion: 119 Resp: 2911627

Ion	Ratio	Lower	Upper
119	100		
91	93.4	74.9	112.3
134	19.5	15.8	23.6

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#66

Benzyl Chloride

Concen: 12.921 ppbv

RT: 17.08 min Scan# 4444

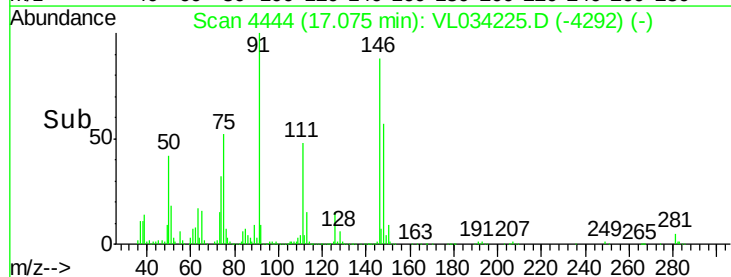
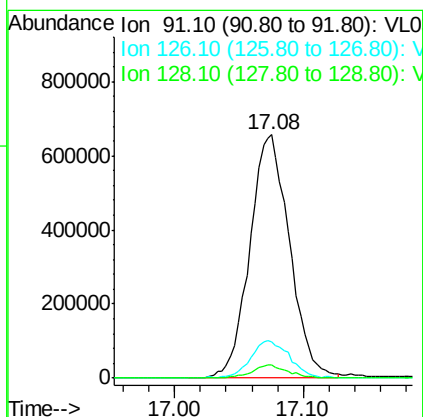
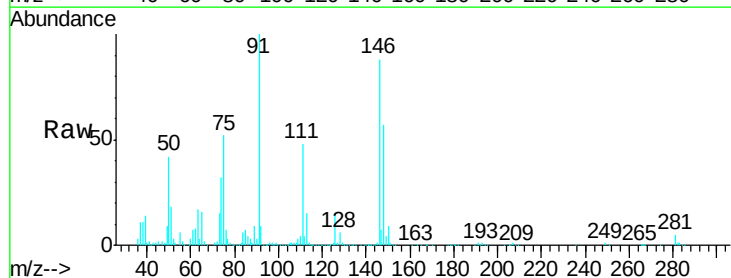
Delta R.T. -0.01 min

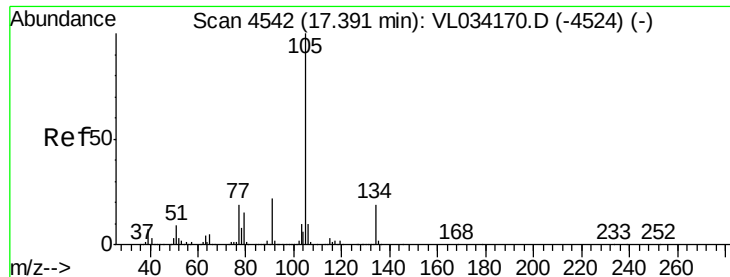
Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 1413712

Ion	Ratio	Lower	Upper
91	100		
126	15.3	12.6	19.0
128	4.9	4.0	6.0





#67

sec-Butylbenzene

Concen: 9.528 ppbv

RT: 17.37 min Scan# 4537

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 105 Resp: 4213379

Ion Ratio Lower Upper

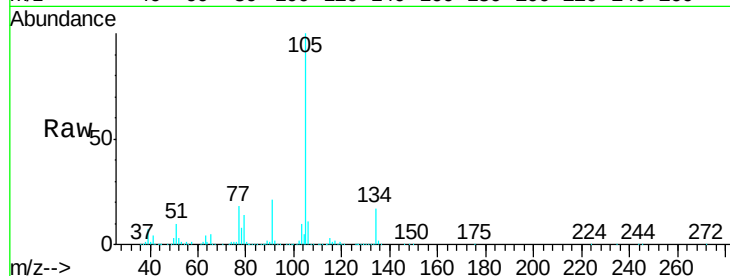
105 100

134 17.9 14.6 22.0

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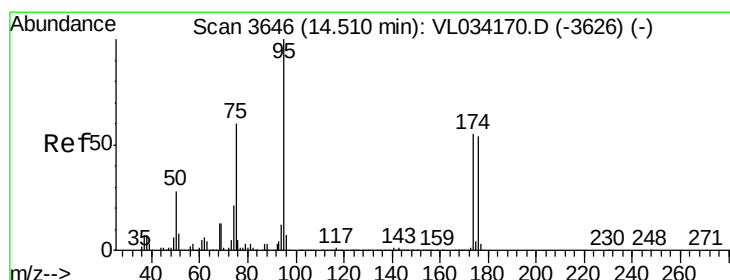
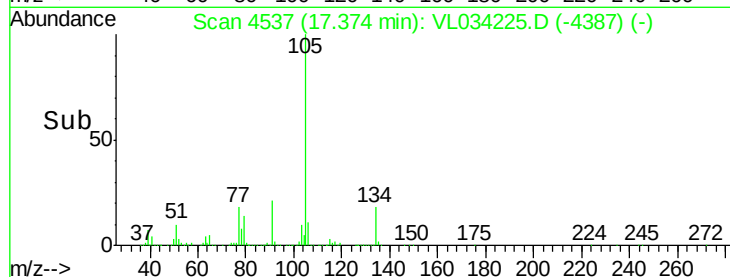
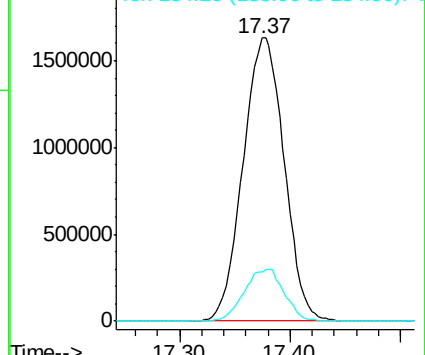
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.916 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

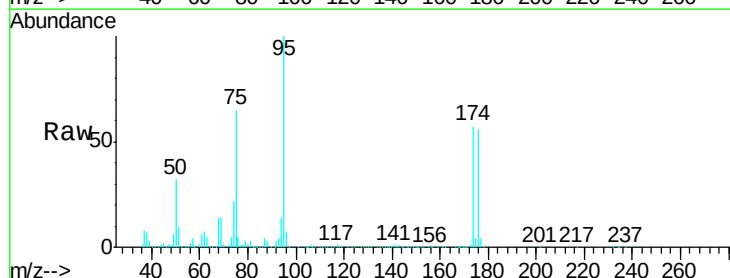
Tgt Ion: 95 Resp: 1762853

Ion Ratio Lower Upper

95 100

174 56.8 45.1 67.7

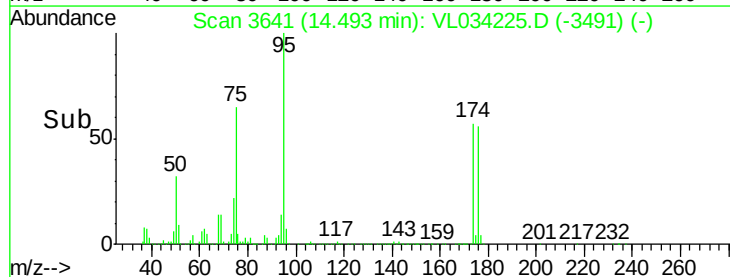
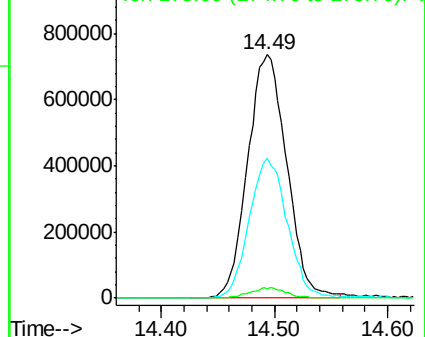
175 4.0 3.3 4.9

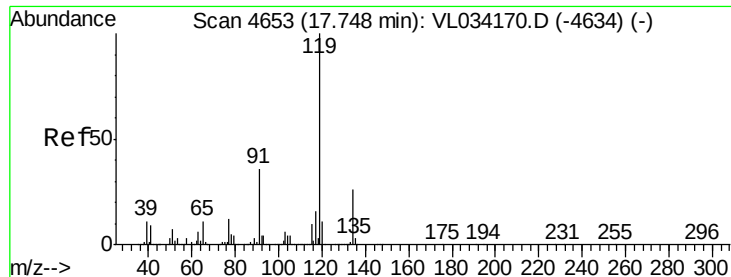


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





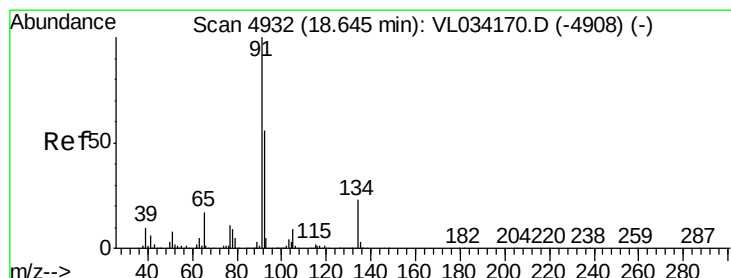
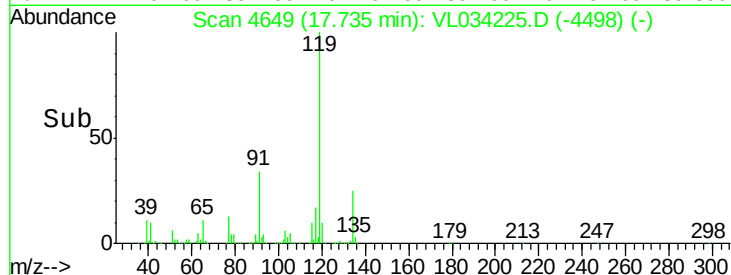
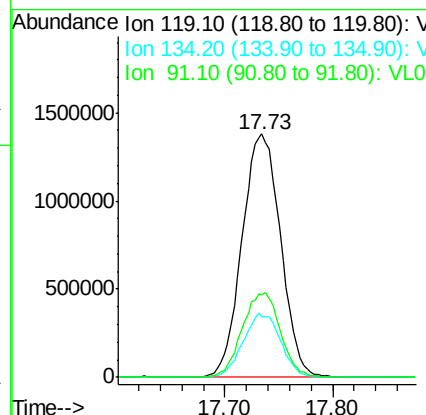
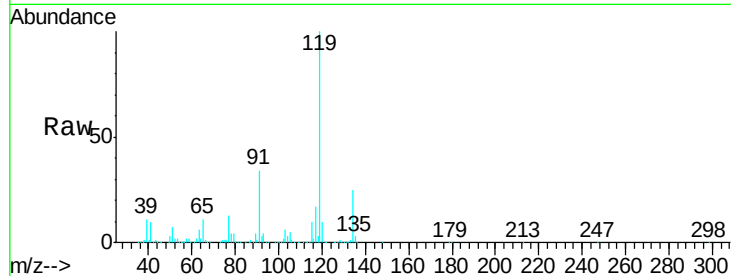
#69
 p-Isopropyltoluene
 Concen: 9.539 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion: 119 Resp: 3415678
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 30.8
 91 34.4 27.6 41.4

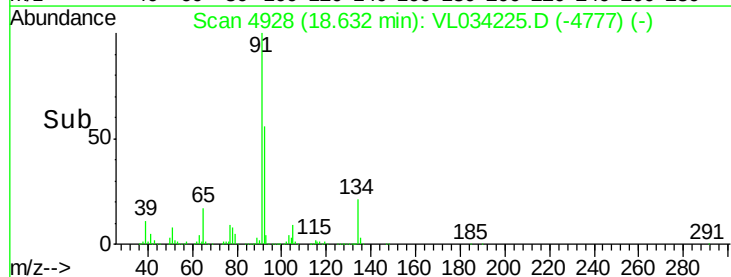
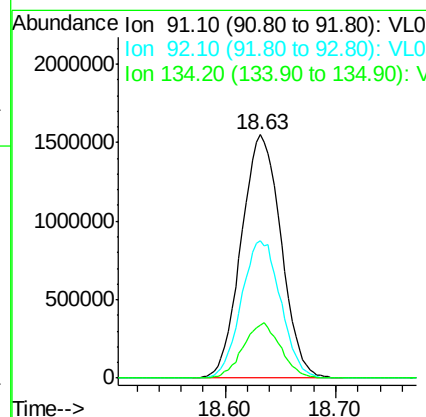
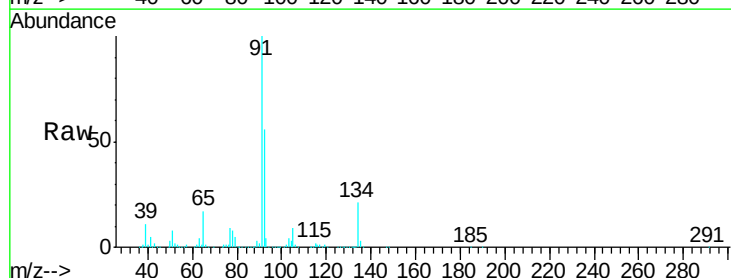
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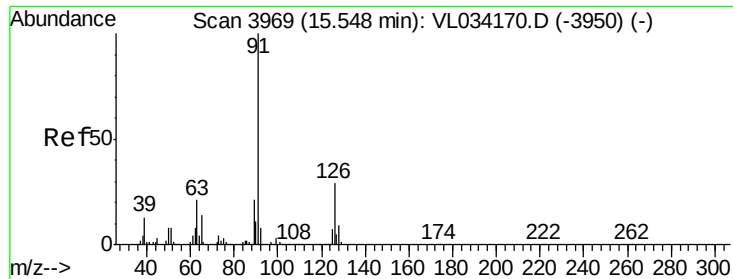
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#70
 n-Butylbenzene
 Concen: 9.279 ppbv
 RT: 18.63 min Scan# 4928
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion: 91 Resp: 3868885
 Ion Ratio Lower Upper
 91 100
 92 56.1 44.8 67.2
 134 21.3 17.3 25.9





#71

2-Chlorotoluene

Concen: 9.638 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 91 Resp: 2787224

Ion Ratio Lower Upper

91 100

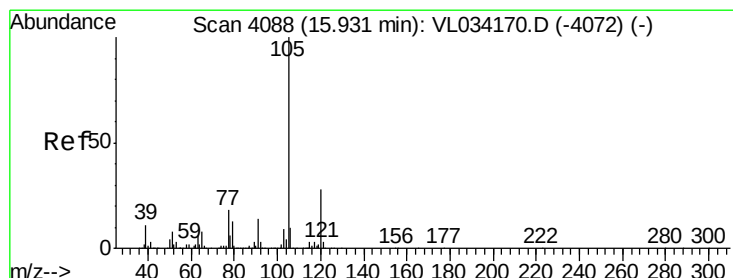
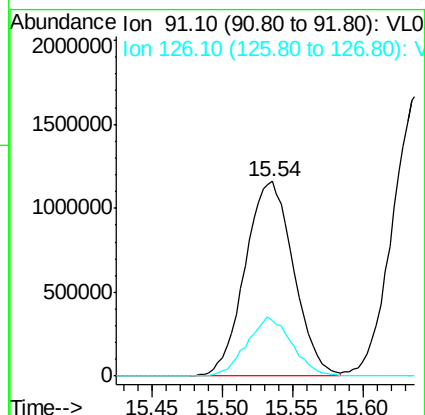
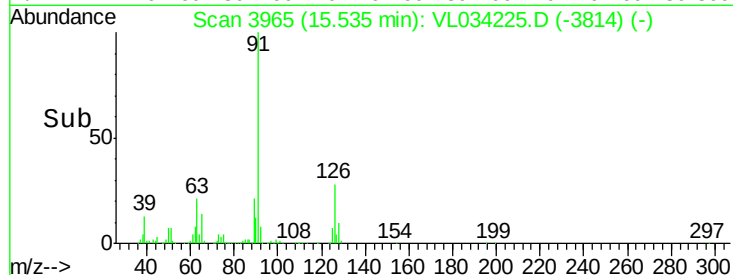
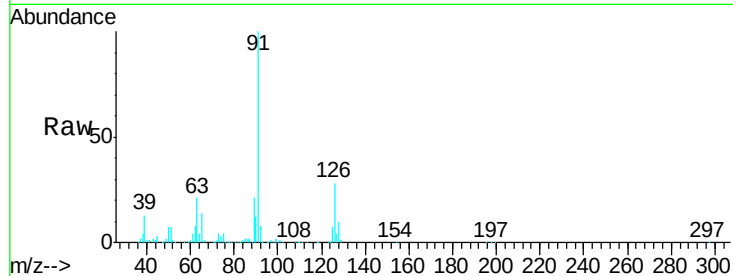
126 28.4 11.2 45.0

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#72

4-Ethyltoluene

Concen: 9.783 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034225.D

Acq: 7 Oct 2019 16:19

Tgt Ion: 105 Resp: 3022112

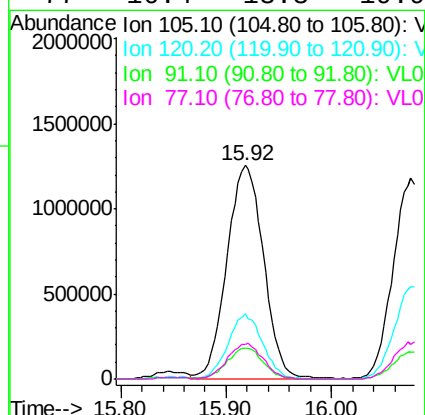
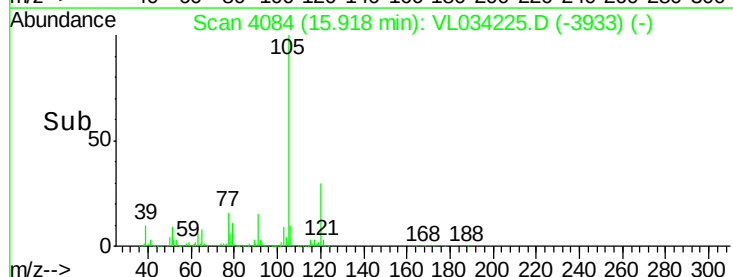
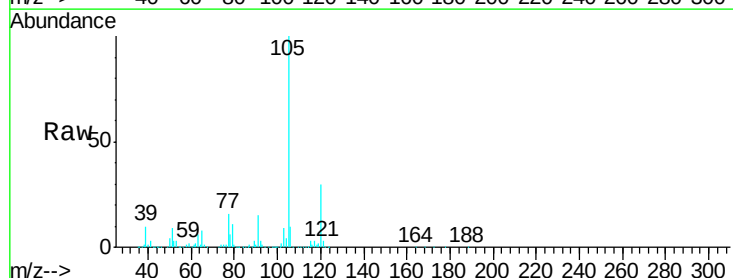
Ion Ratio Lower Upper

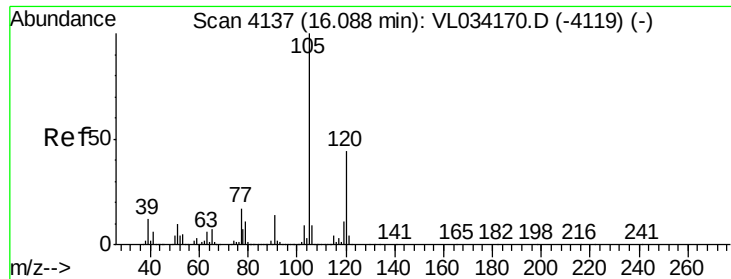
105 100

120 28.7 23.3 34.9

91 14.9 11.4 17.2

77 16.4 13.3 19.9





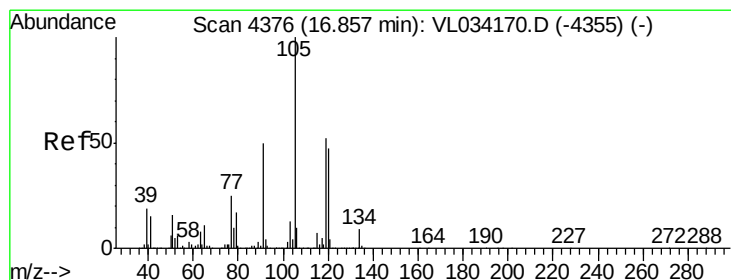
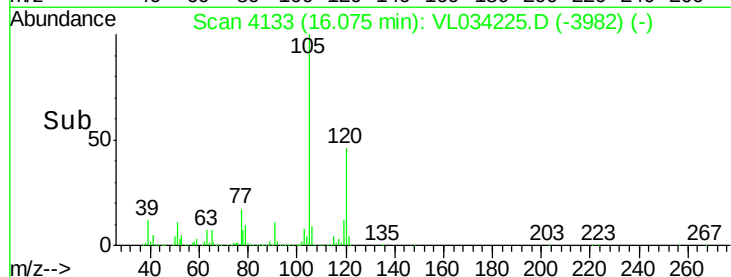
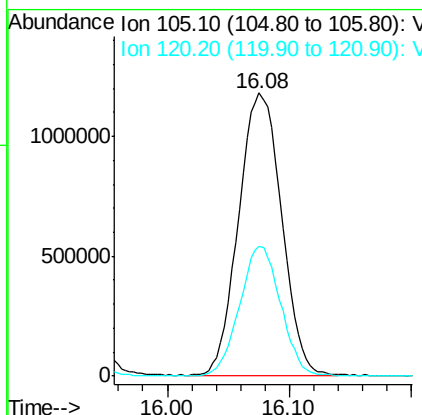
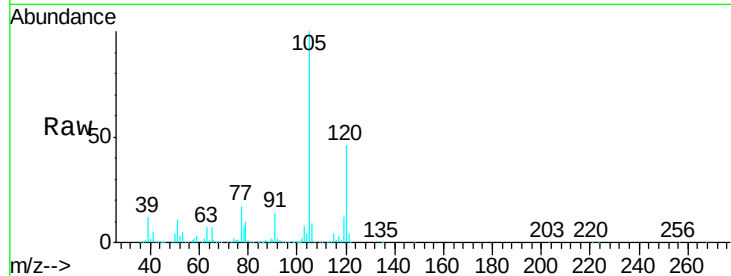
#73
 1,3,5-Trimethylbenzene
 Concen: 9.624 ppbv
 RT: 16.08 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion:105 Resp: 2871946
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.6 53.4

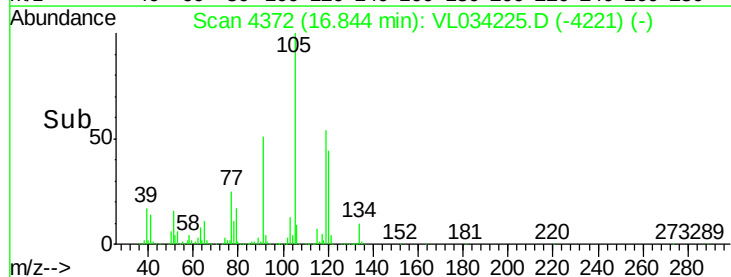
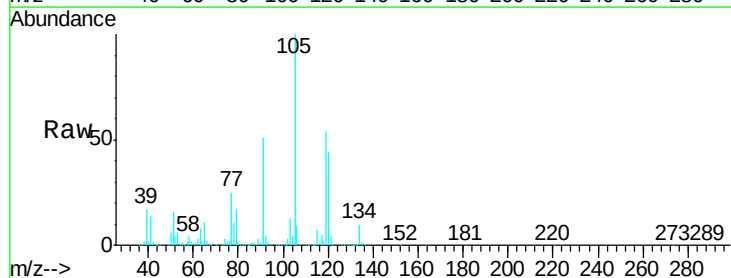
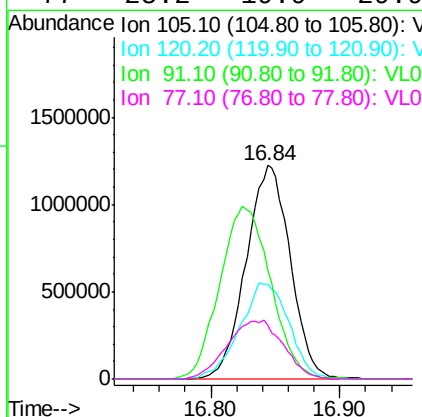
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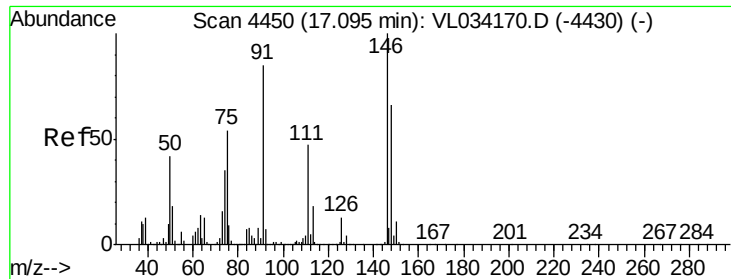
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.201 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion:105 Resp: 2915442
 Ion Ratio Lower Upper
 105 100
 120 43.8 37.5 56.3
 91 50.6 41.1 61.7
 77 25.2 19.9 29.9





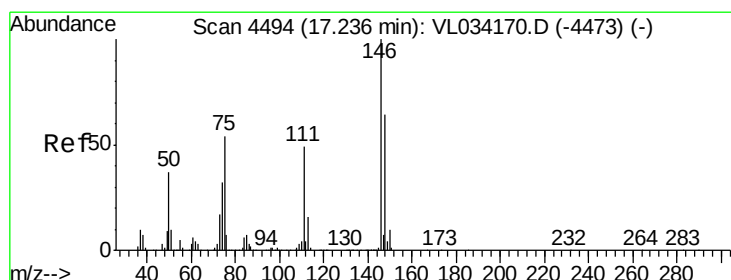
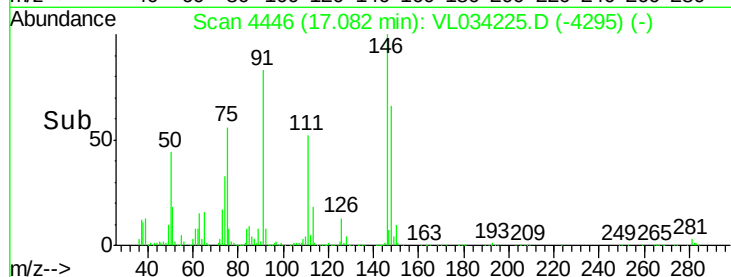
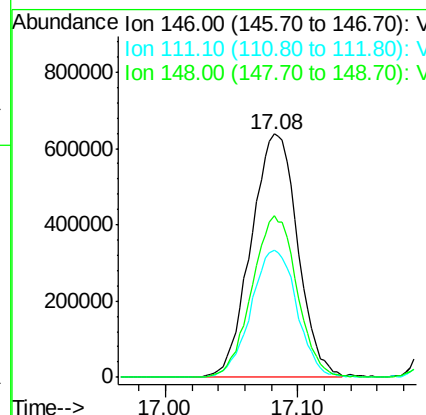
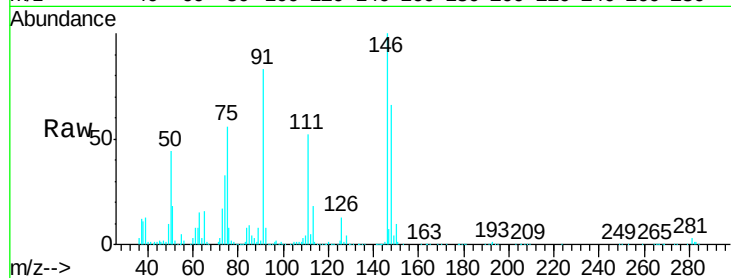
#75
 1,3-Dichlorobenzene
 Concen: 9.193 ppbv
 RT: 17.08 min Scan# 4446
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion:146 Resp: 1562791
 Ion Ratio Lower Upper
 146 100
 111 51.6 25.9 77.8
 148 64.3 32.6 97.7

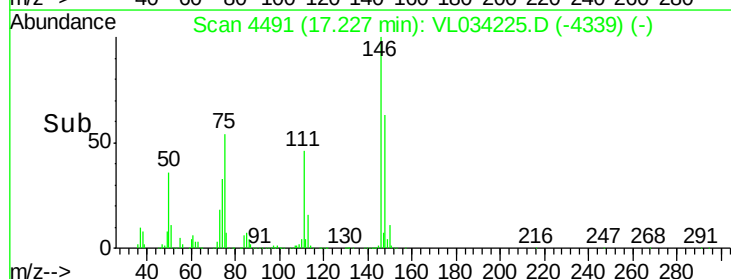
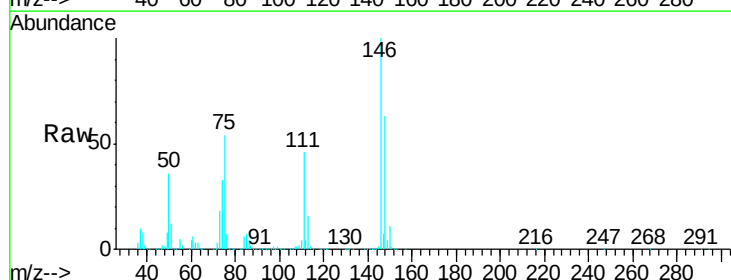
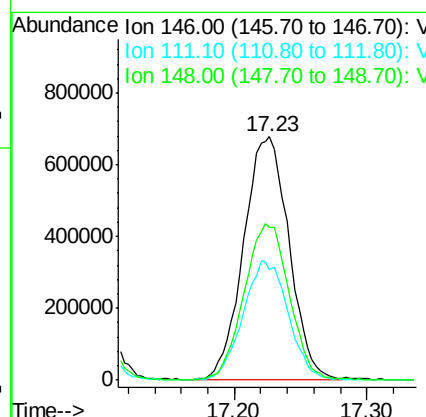
Manual Integrations
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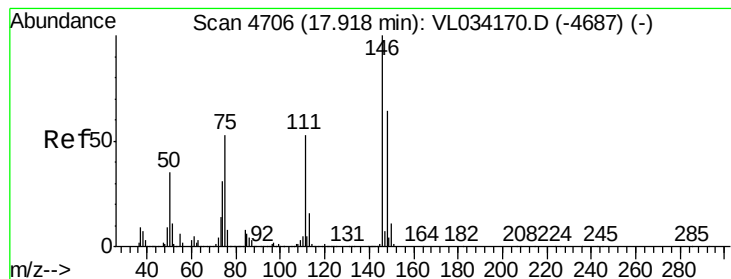
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#76
 1,4-Dichlorobenzene
 Concen: 9.198 ppbv
 RT: 17.23 min Scan# 4491
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion:146 Resp: 1601373
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.6 74.0
 148 64.9 32.4 97.0





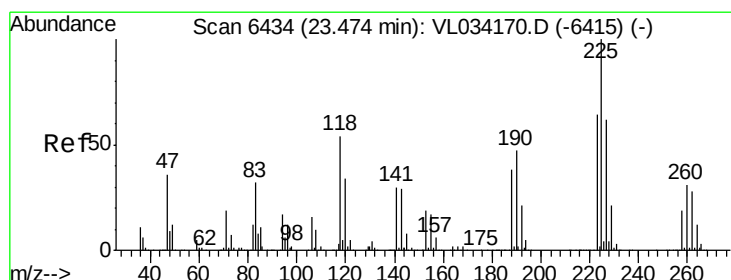
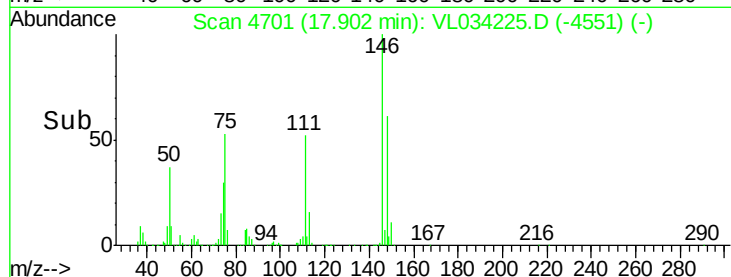
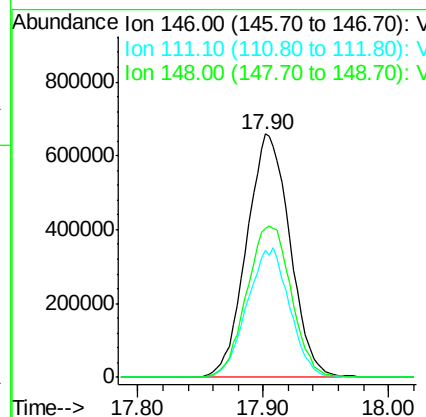
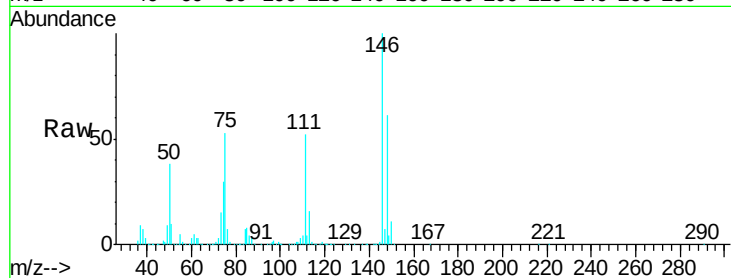
#77
 1,2-Dichlorobenzene
 Concen: 9.144 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion:146 Resp: 1573445
 Ion Ratio Lower Upper
 146 100
 111 52.6 26.1 78.3
 148 64.5 31.9 95.9

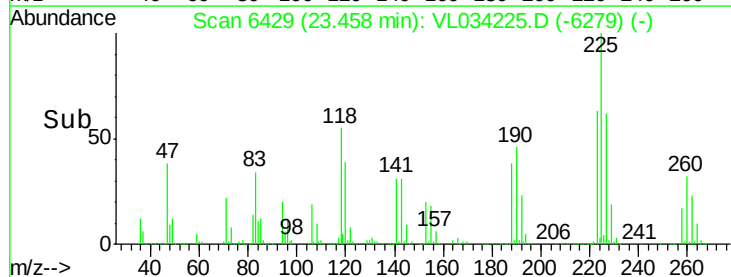
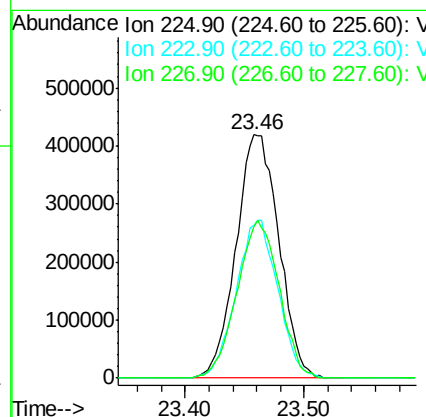
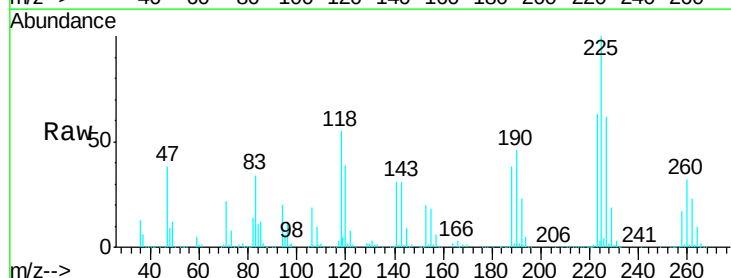
Manual Integrations
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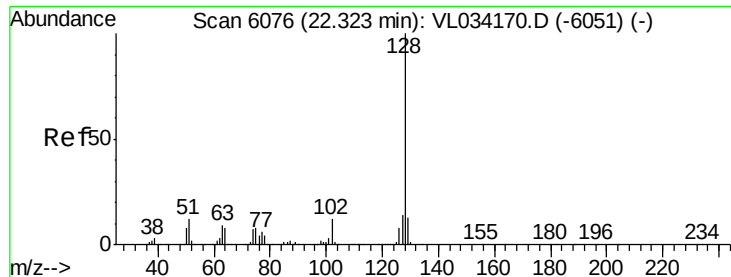
MMDadoda
 10/11/2019 5:04:42 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.128 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.02 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Tgt Ion:225 Resp: 1040335
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.7 77.5
 227 64.0 52.1 78.1





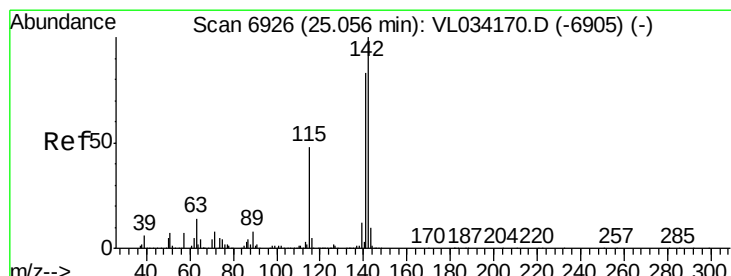
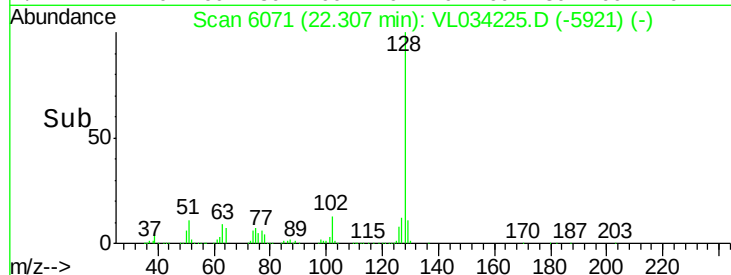
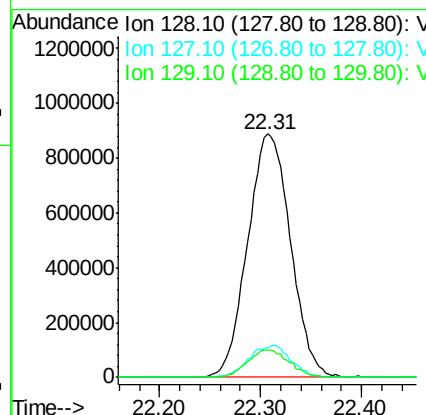
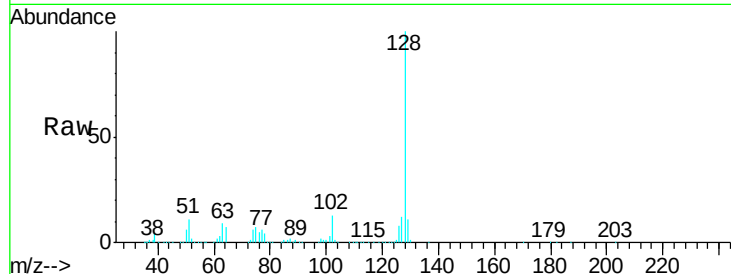
#79
Naphthalene
Concen: 9.380 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Instrument :
MSVOA_L
ClientSampleId :
VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.1	16.7
129	11.2	10.2	15.4

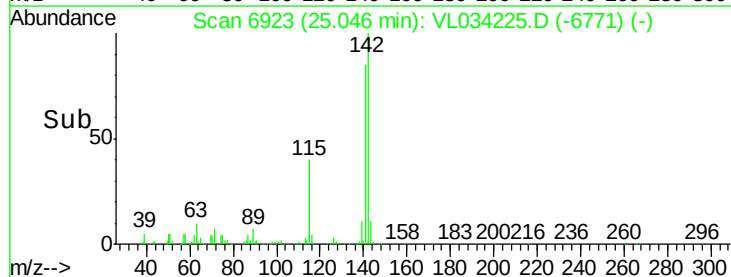
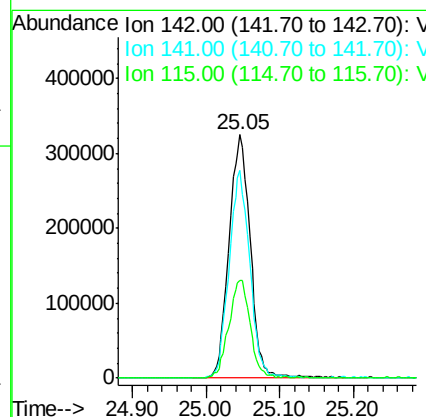
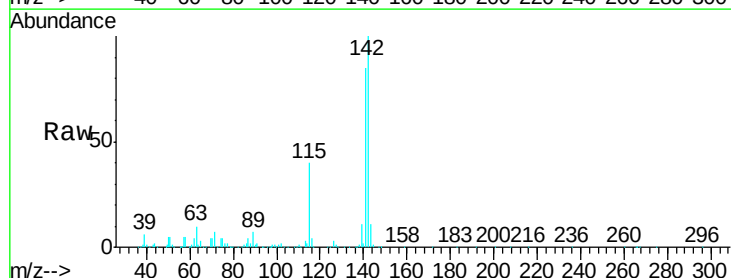
Manual Integrations
APPROVED

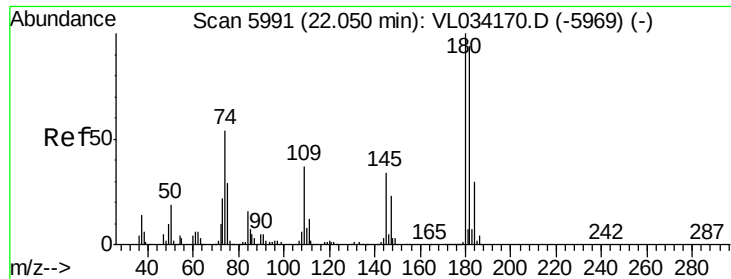
MMDadoda
10/11/2019 5:04:42 PM



#80
Naphthalene, 2-methyl-
Concen: 5.015 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. -0.01 min
Lab File: VL034225.D
Acq: 7 Oct 2019 16:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.6	101.4
115	40.8	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.337 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. -0.01 min
 Lab File: VL034225.D
 Acq: 7 Oct 2019 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.4	116.2
184	30.9	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:04:42 PM

