

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034792.D
 Acq On : 5 Mar 2020 11:51
 Operator : SY/AP
 Sample : VL0305ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0305ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:18:34 AM

Quant Time: Mar 06 04:59:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1021546	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2112584	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2183869	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1855891	10.19	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1714724	10.286	ppbv 99
3) Chlorodifluoromethane	2.95	51	1049212	9.015	ppbv 97
4) Chloromethane	3.11	50	578911	9.235	ppbv 100
5) Vinyl Chloride	3.22	62	573032	8.653	ppbv 98
6) Bromomethane	3.44	94	346814	9.595	ppbv 96
7) Chloroethane	3.53	64	211698	9.245	ppbv 98
8) Dichlorotetrafluoroethane	3.15	85	1342671	9.271	ppbv 100
9) Propene	2.97	41	414710	9.053	ppbv 100
10) Heptane	8.13	43	1172917	10.075	ppbv 99
11) Trichlorofluoromethane	3.92	101	1411463	9.462	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	966136	9.387	ppbv 97
13) Ethanol	3.57	45	95735	6.099	ppbv 100
14) Bromoethene	3.71	108	415345	9.834	ppbv 98
15) Acetone	3.82	43	1075730	8.794	ppbv 100
16) 1,3-Butadiene	3.29	39	526838	9.519	ppbv 99
17) tert-Butyl alcohol	4.27	59	708313	7.343	ppbv 99
18) 1,1-Dichloroethene	4.27	96	451198	9.940	ppbv 99
19) Isopropyl Alcohol	3.94	45	549968	7.503	ppbv # 98
20) Methylene Chloride	4.32	84	390863	8.952	ppbv 98
21) Allyl Chloride	4.39	41	771046	9.953	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	444294	10.026	ppbv 94
23) Vinyl Acetate	5.06	43	1604622	9.782	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1193821	9.377	ppbv 99
25) Ethyl Acetate	5.67	43	2005967	9.489	ppbv 99
26) Hexane	5.68	57	907347	9.825	ppbv 99
27) Carbon Disulfide	4.53	76	1160074	10.753	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1280601	9.317	ppbv 99
29) Chloroform	5.75	83	1467632	9.441	ppbv 98
30) Cyclohexane	7.14	84	726585	10.284	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	933226	9.852	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	1423274	9.265	ppbv 99
34) 2-Butanone	5.23	43	1330627	9.682	ppbv 99
35) Carbon Tetrachloride	7.02	117	1502227	9.424	ppbv 99
36) Benzene	6.90	78	1746604	9.675	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1209948	9.813	ppbv 99
38) Trichloroethene	7.85	130	678150	9.639	ppbv 99
39) 1,2-Dichloropropane	7.62	63	703293	9.654	ppbv 97
40) 1,4-Dioxane	7.84	88	219850	8.725	ppbv # 94
41) Tetrahydrofuran	6.04	42	717188	10.227	ppbv 99
42) Bromodichloromethane	7.81	83	1593150	10.212	ppbv 98
43) Methyl Methacrylate	8.02	69	801991	10.484	ppbv 100

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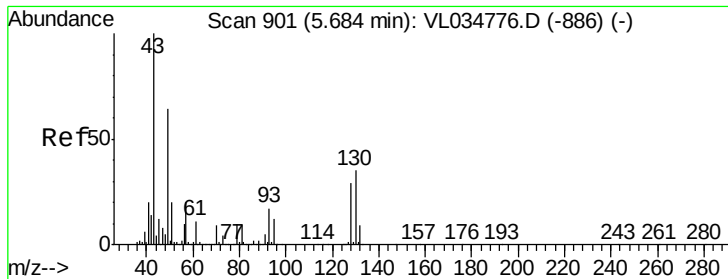
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3095221	9.812	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	946449	11.785	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	1101844	11.236	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	744553	9.680	ppbv	92
48) Dibromochloromethane	10.33	129	1303521	10.838	ppbv	100
49) Bromoform	13.08	173	1170579	11.154	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1993936	10.125	ppbv	99
51) 2-Hexanone	10.15	43	1660896	10.751	ppbv #	100
52) Tetrachloroethene	11.25	164	638440	9.573	ppbv	94
53) Toluene	9.83	91	2064637	10.806	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1151886	10.128	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	973556	10.061	ppbv #	61
57) Chlorobenzene	12.18	112	1586074	9.507	ppbv	96
58) Ethyl Benzene	12.74	91	2841150	10.557	ppbv	99
59) m/p-Xylene	13.02	91	4710022m	20.217	ppbv	
60) o-Xylene	13.73	91	2374934	10.076	ppbv	99
61) Styrene	13.56	104	1647211	11.265	ppbv	99
62) Isopropylbenzene	14.70	105	3446246	9.934	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1716489	9.238	ppbv	99
64) n-propylbenzene	15.60	120	902871m	10.380	ppbv	
65) tert-Butylbenzene	16.78	119	3005661	10.252	ppbv	99
66) Benzyl Chloride	17.03	91	1186162	12.514	ppbv	99
67) sec-Butylbenzene	17.33	105	4325601	10.125	ppbv	100
69) p-Isopropyltoluene	17.69	119	3577948	10.349	ppbv	99
70) n-Butylbenzene	18.59	91	3918521	10.365	ppbv	100
71) 2-Chlorotoluene	15.49	91	2703652	10.319	ppbv	100
72) 4-Ethyltoluene	15.88	105	2795645	10.652	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2642621	10.497	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2769691	10.121	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1571319	9.699	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1561486	10.073	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1537258	9.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1310886	10.136	ppbv	99
79) Naphthalene	22.26	128	2539599	12.349	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1052147	21.420	ppbv	96
81) 1,2,4-Trichlorobenzene	21.99	180	1458682	11.220	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 49 Resp: 1021546

Ion Ratio Lower Upper

49 100

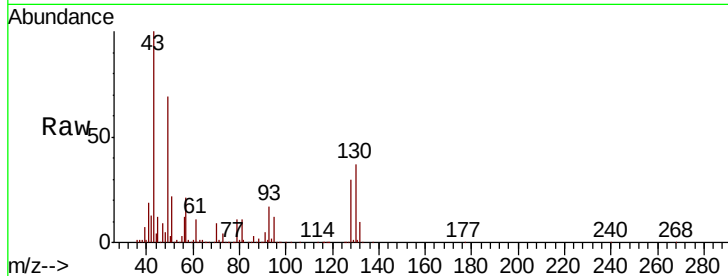
128 43.7 21.6 64.6

130 55.8 27.4 82.2

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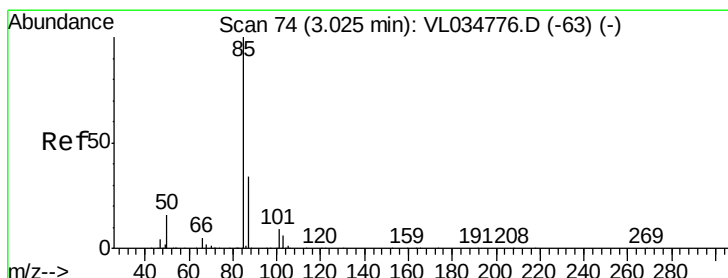
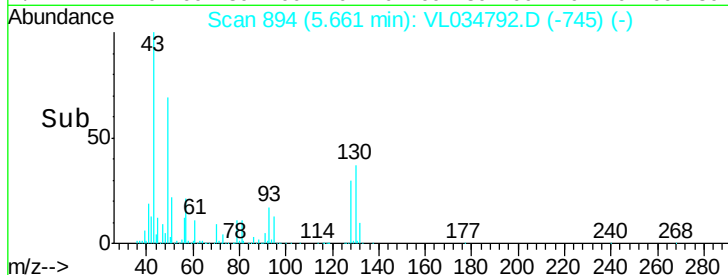
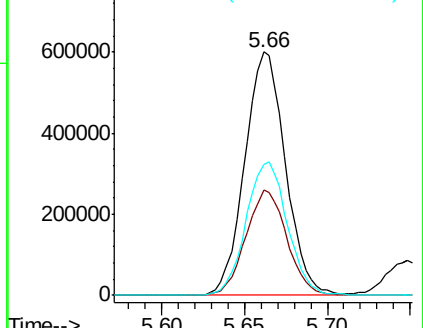
3/9/2020 9:18:34 AM



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: 10.286 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL034792.D

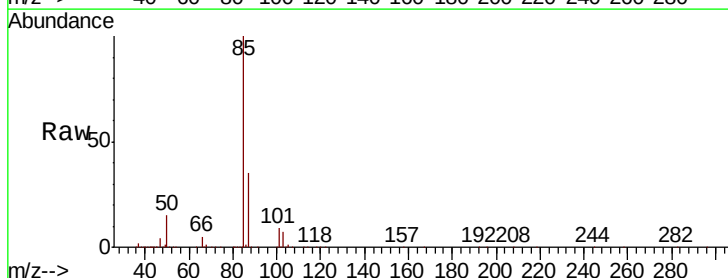
Acq: 5 Mar 2020 11:51

Tgt Ion: 85 Resp: 1714724

Ion Ratio Lower Upper

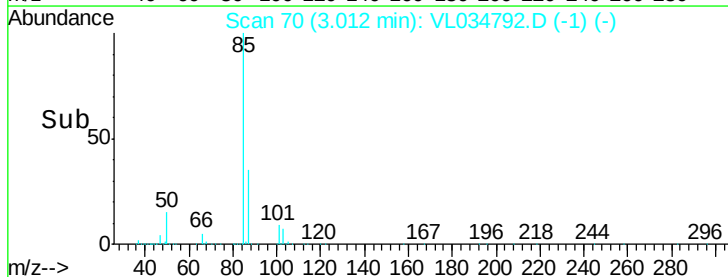
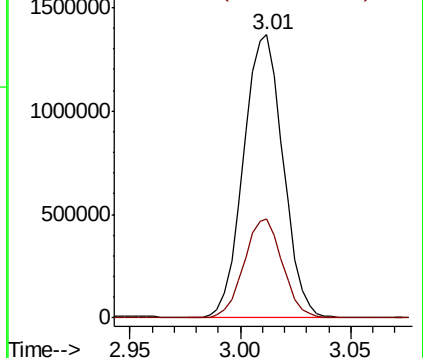
85 100

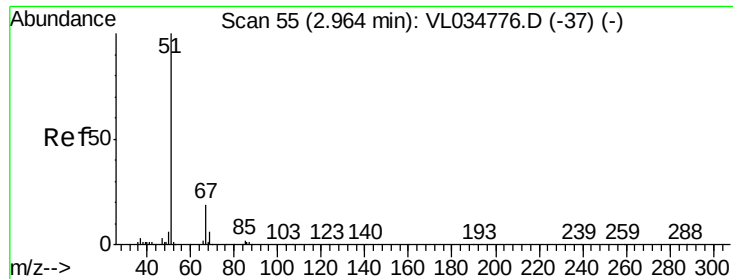
87 34.8 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





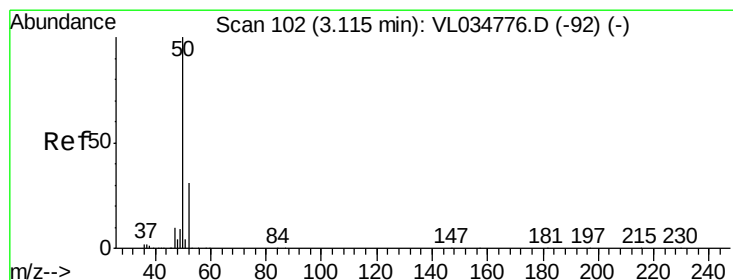
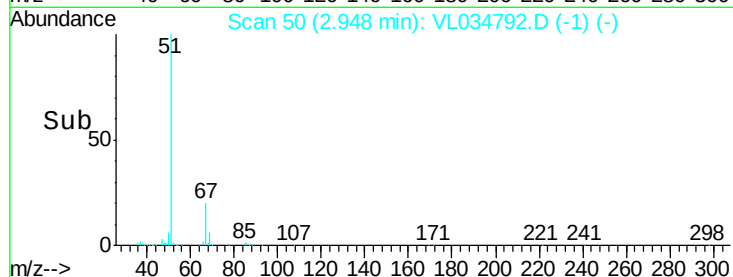
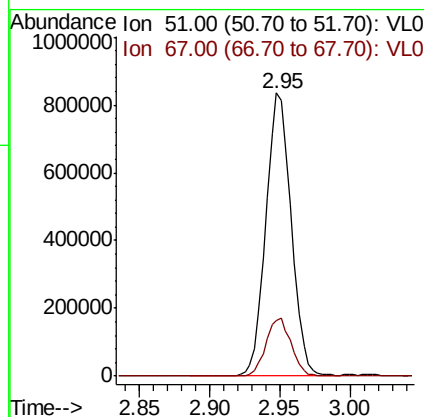
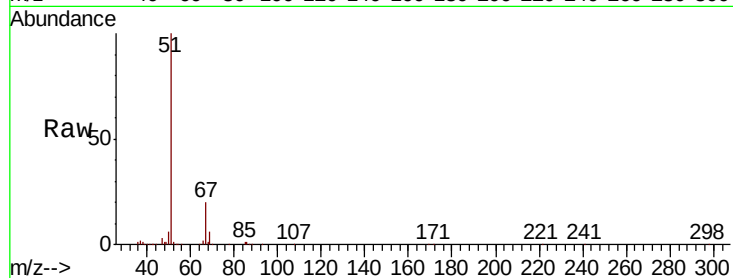
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Chlorodifluoromethane
Concen: 9.015 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion: 51 Resp: 1049212
Ion Ratio Lower Upper
51 100
67 20.6 15.3 22.9

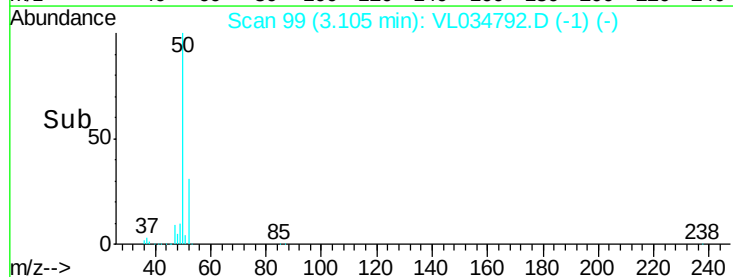
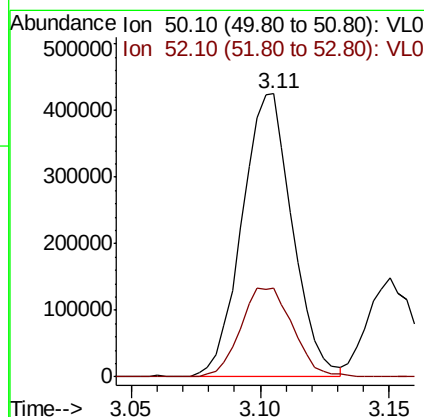
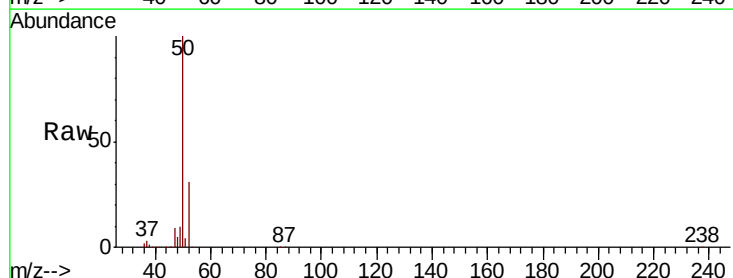
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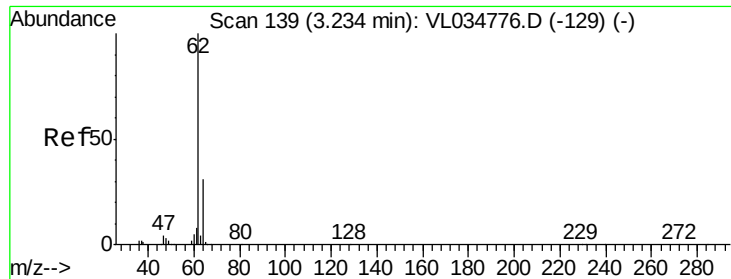
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#4
Chloromethane
Concen: 9.235 ppbv
RT: 3.11 min Scan# 99
Delta R.T. -0.01 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 50 Resp: 578911
Ion Ratio Lower Upper
50 100
52 31.3 25.0 37.4





#5

Vinyl Chloride

Concen: 8.653 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.01 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 62 Resp: 573032

Ion Ratio Lower Upper

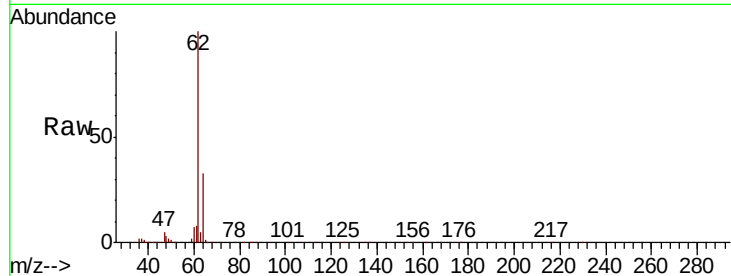
62 100

64 32.5 25.1 37.7

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

3.22

400000

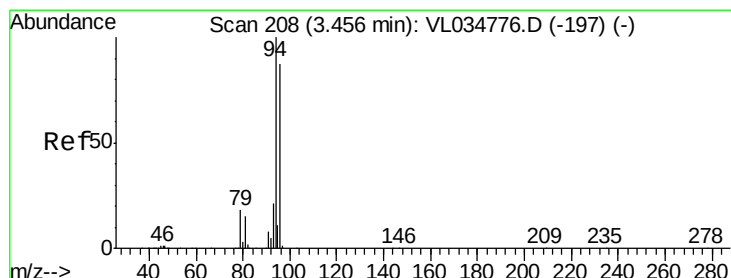
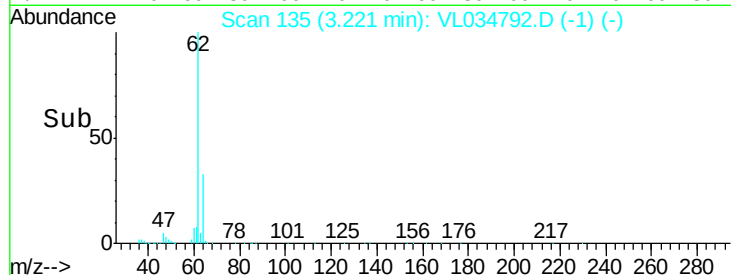
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 9.595 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL034792.D

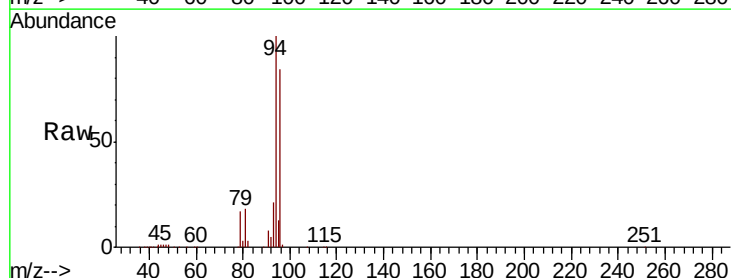
Acq: 5 Mar 2020 11:51

Tgt Ion: 94 Resp: 346814

Ion Ratio Lower Upper

94 100

96 83.6 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

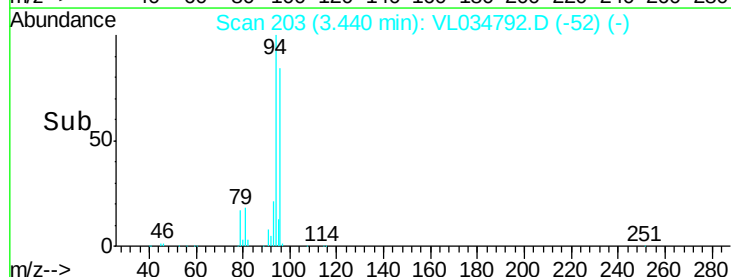
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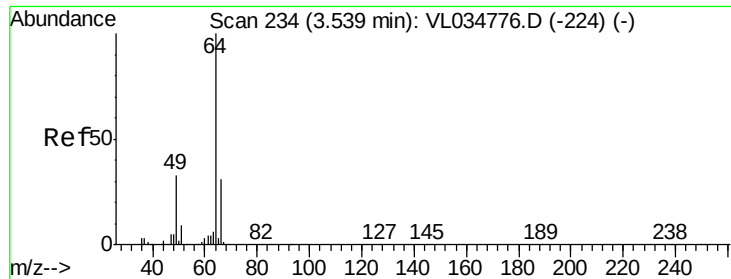
100000

50000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 9.245 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 64 Resp: 211698

Ion Ratio Lower Upper

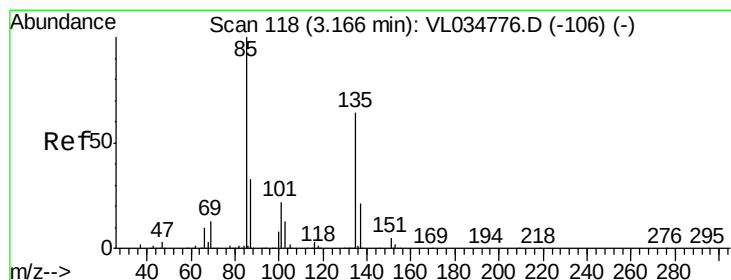
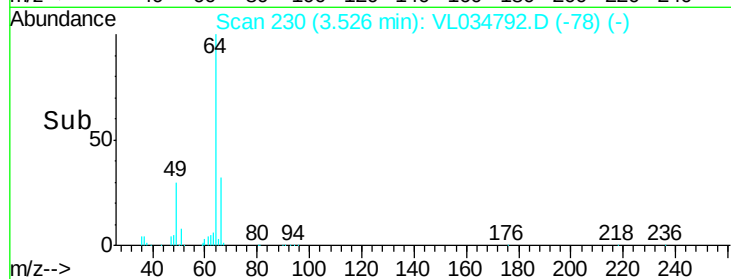
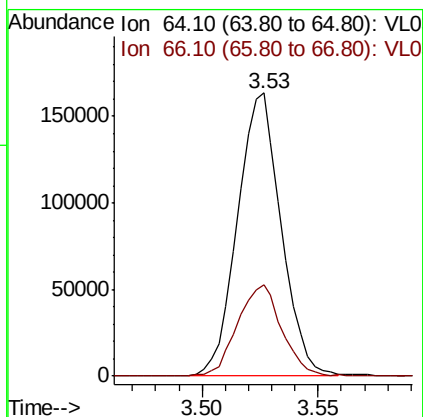
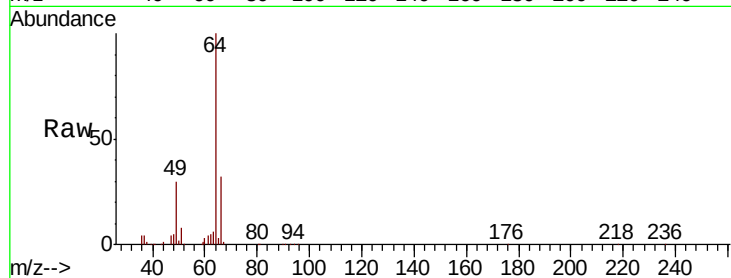
64 100

66 32.3 24.8 37.2

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3/9/2020 9:18:34 AM



#8

Dichlorotetrafluoroethane

Concen: 9.271 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.02 min

Lab File: VL034792.D

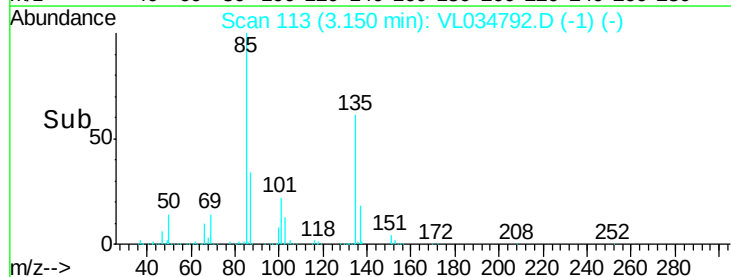
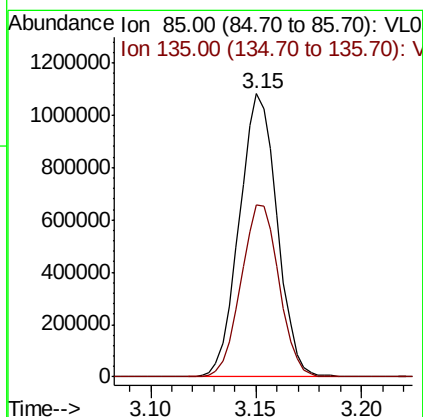
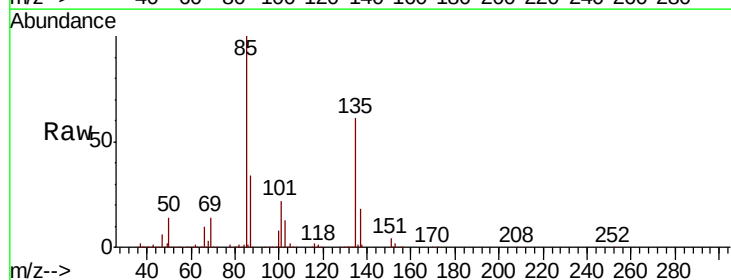
Acq: 5 Mar 2020 11:51

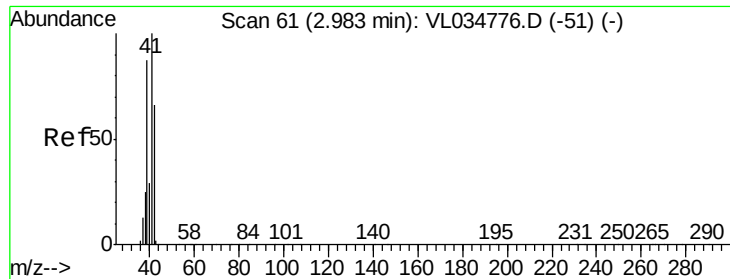
Tgt Ion: 85 Resp: 1342671

Ion Ratio Lower Upper

85 100

135 61.5 49.4 74.2





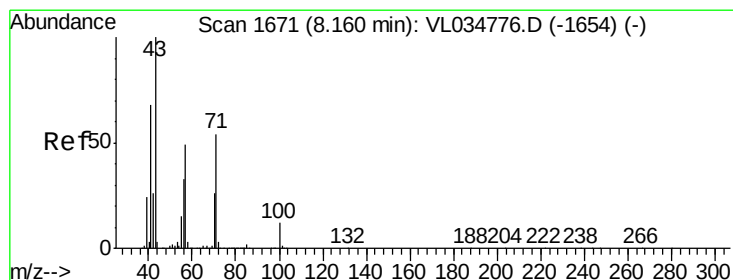
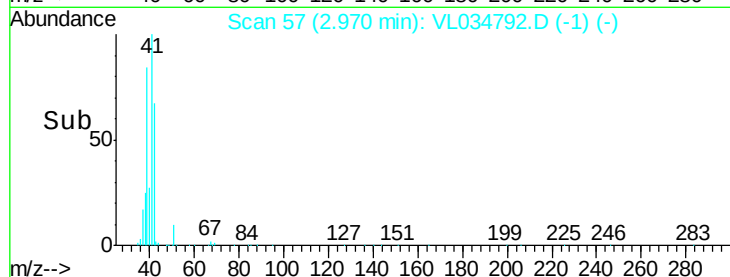
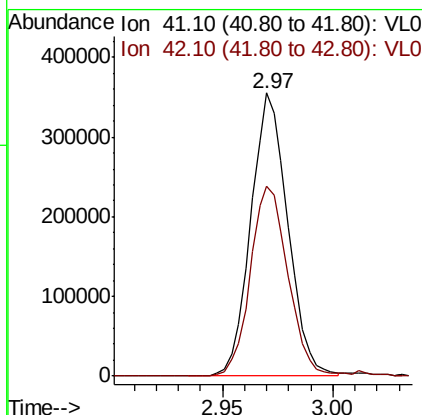
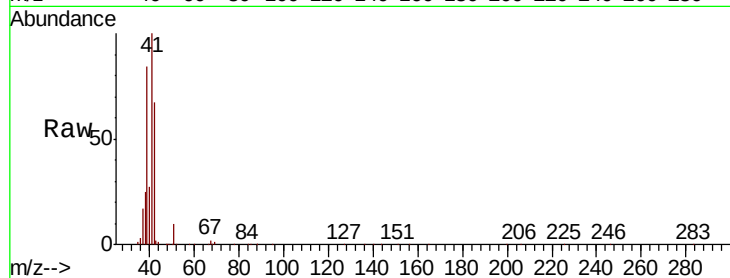
#9
 Propene
 Concen: 9.053 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	69.4	55.6	83.4

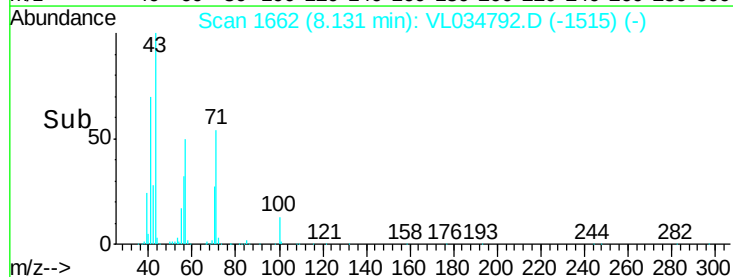
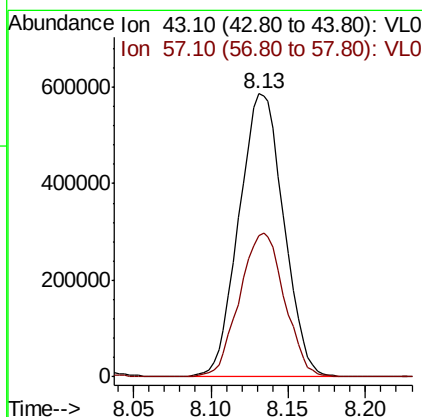
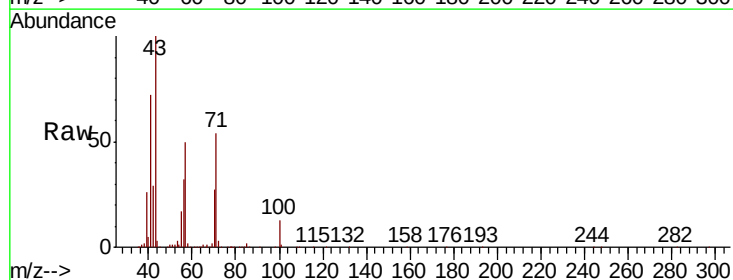
Manual Integrations
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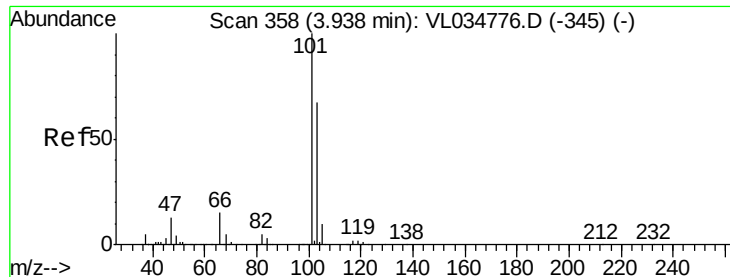
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 3/9/2020 9:18:34 AM



#10
 Heptane
 Concen: 10.075 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.3	40.5	60.7





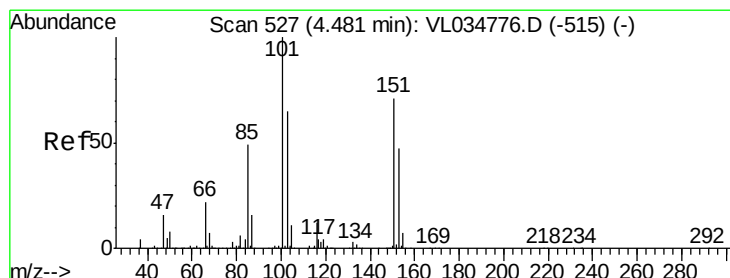
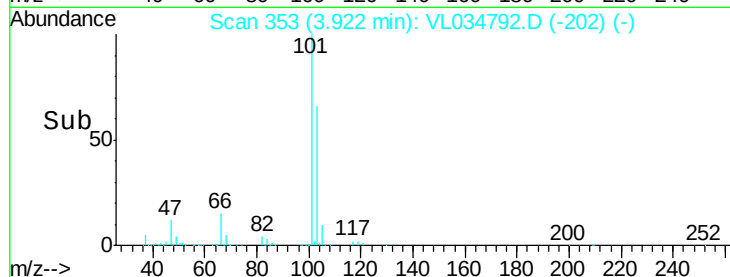
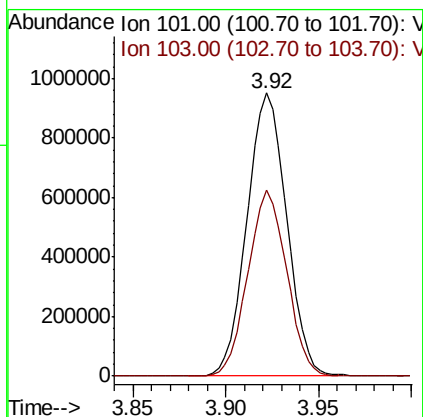
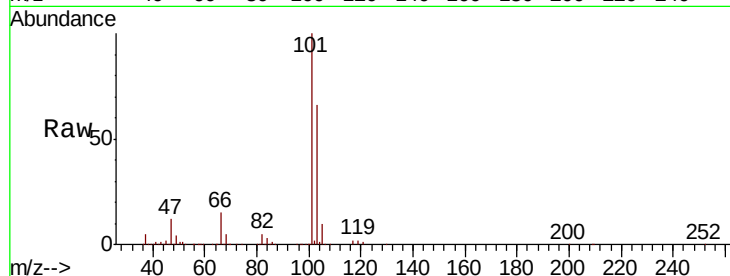
#11
 Trichlorofluoromethane
 Concen: 9.462 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion:101 Resp: 1411463
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4

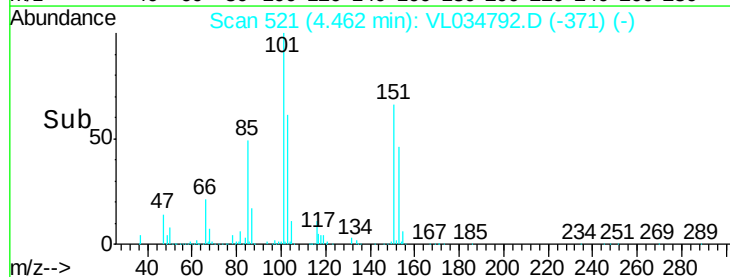
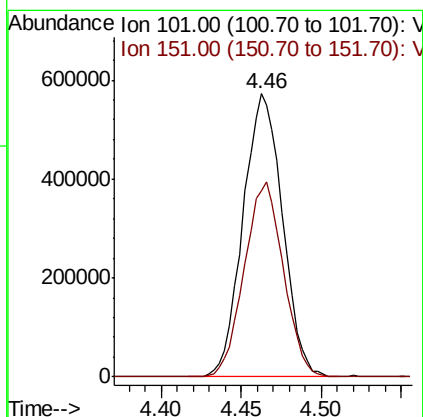
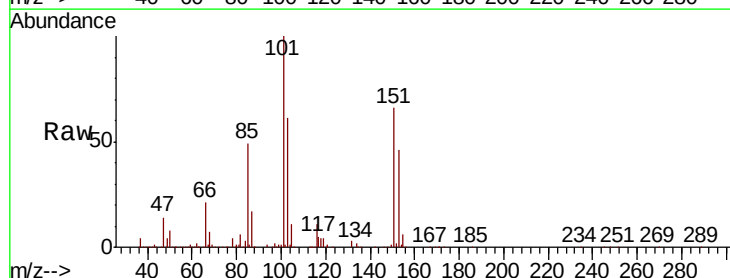
Manual Integrations
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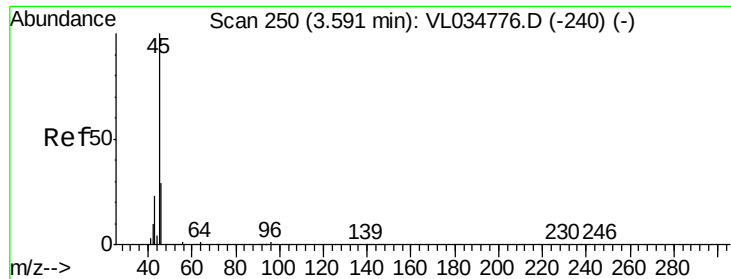
MMDadoda
 3/9/2020 9:18:34 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.387 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:101 Resp: 966136
 Ion Ratio Lower Upper
 101 100
 151 68.3 56.6 85.0





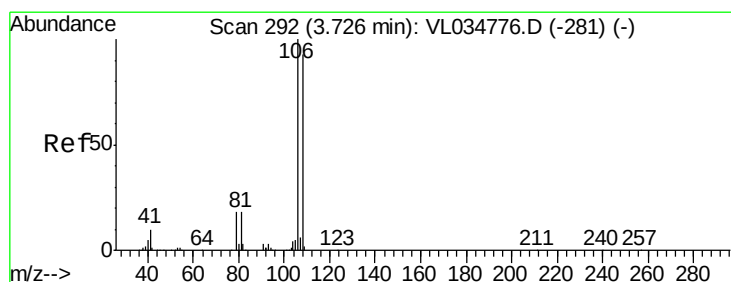
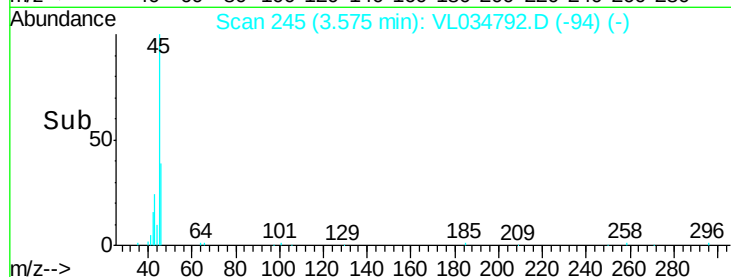
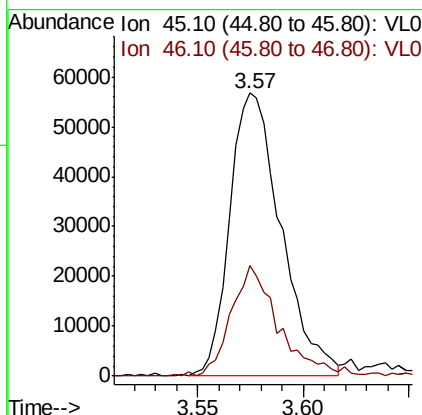
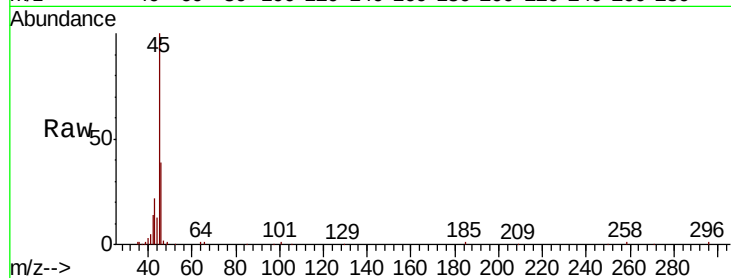
#13
Ethanol
Concen: 6.099 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9

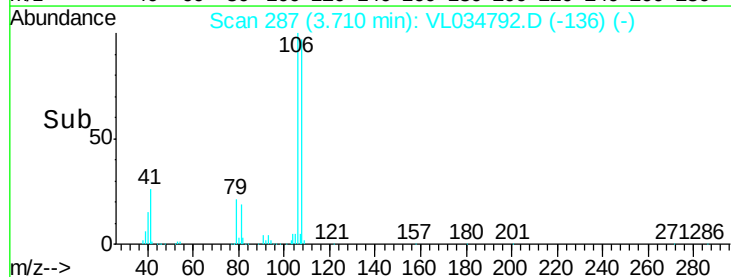
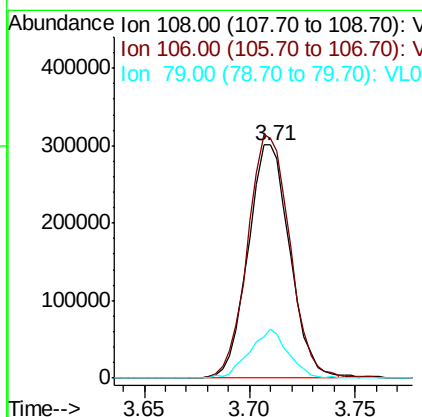
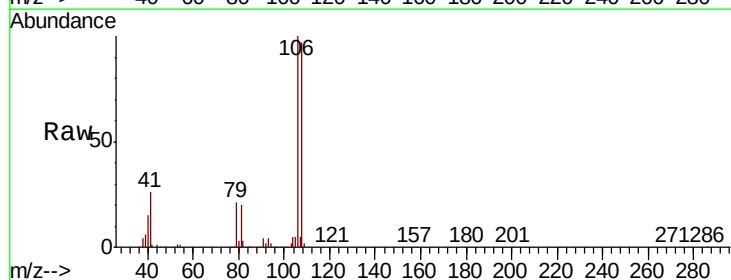
Manual Integrations
APPROVED

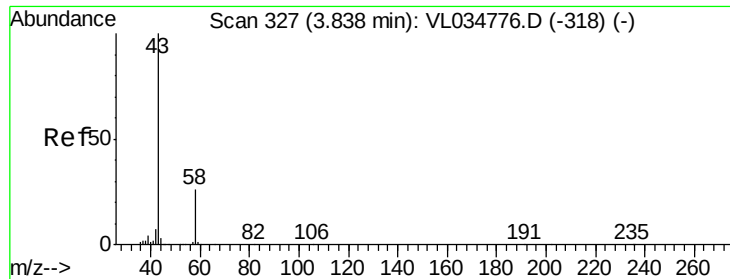
MMDadoda
3/9/2020 9:18:34 AM



#14
Bromoethene
Concen: 9.834 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.2	83.5	125.3
79	20.0	15.6	23.4





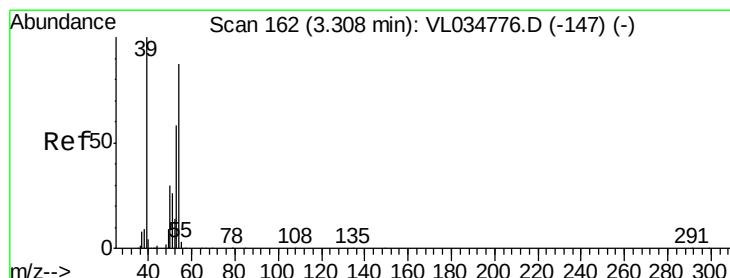
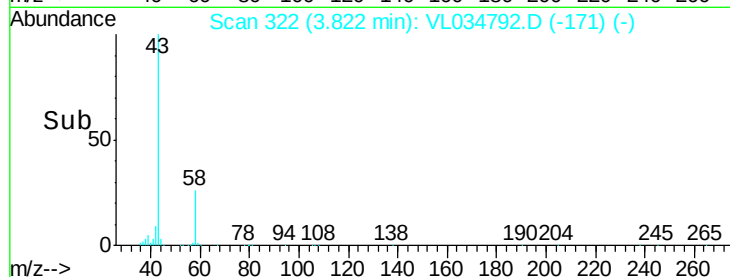
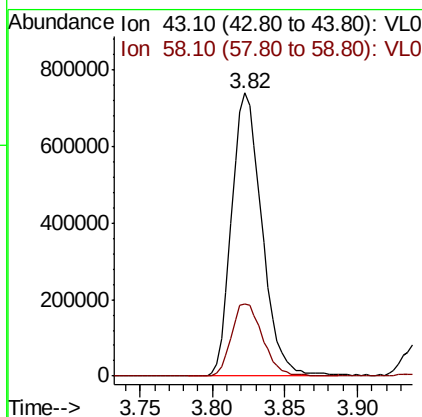
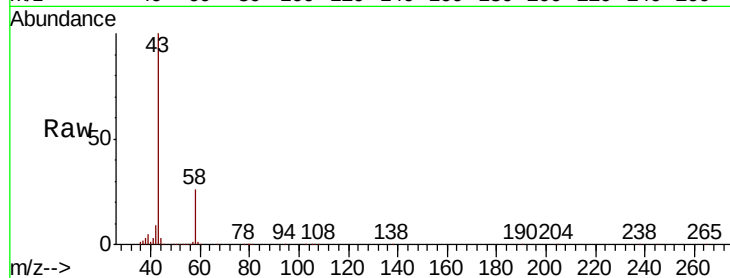
#15
Acetone
Concen: 8.794 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion: 43 Resp: 1075730
Ion Ratio Lower Upper
43 100
58 26.5 21.0 31.6

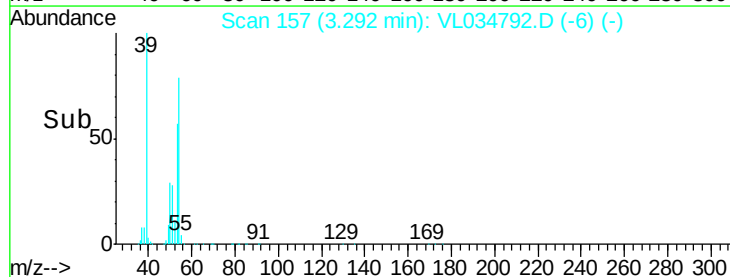
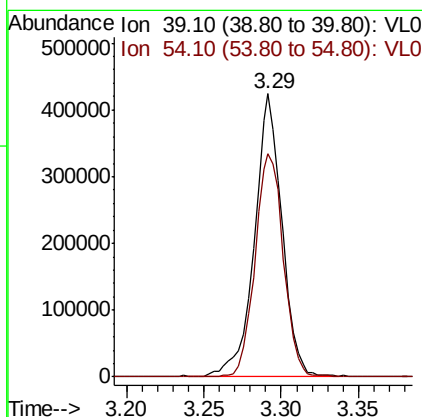
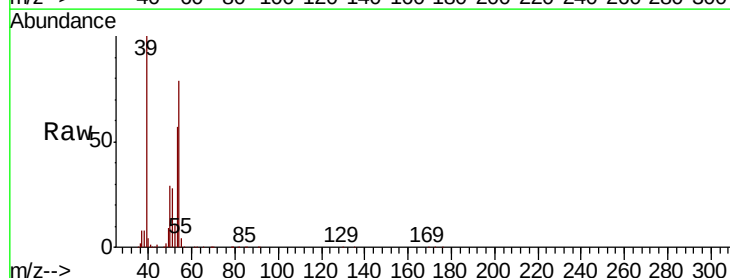
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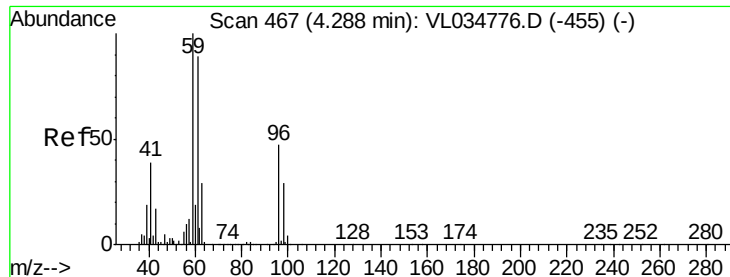
MMDadoda
3/9/2020 9:18:34 AM



#16
1,3-Butadiene
Concen: 9.519 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 39 Resp: 526838
Ion Ratio Lower Upper
39 100
54 81.4 64.2 96.2





#17

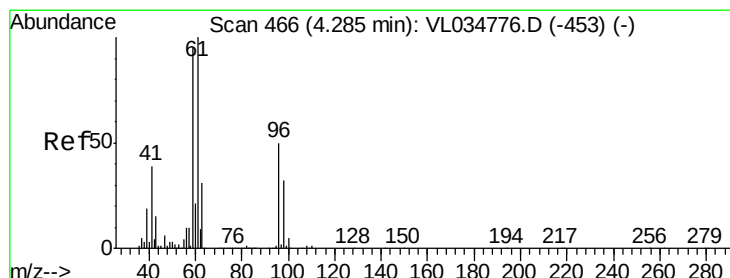
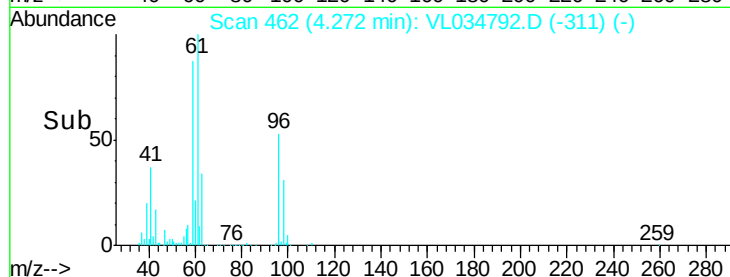
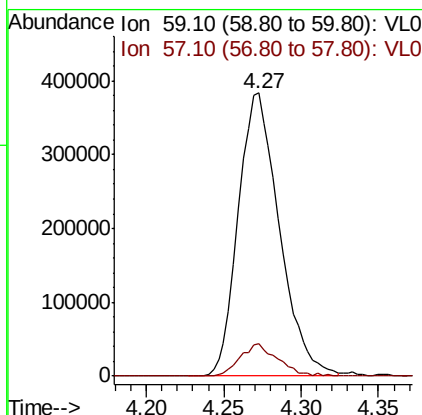
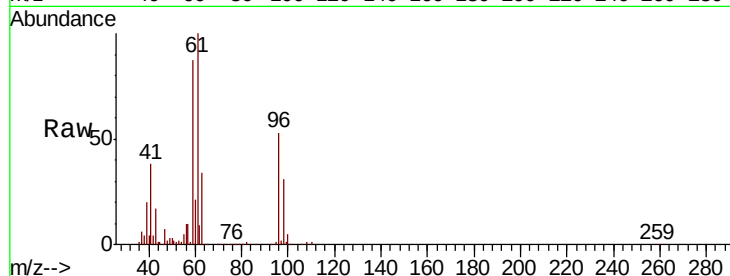
tert-Butyl alcohol
Concen: 7.343 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

Manual Integrations
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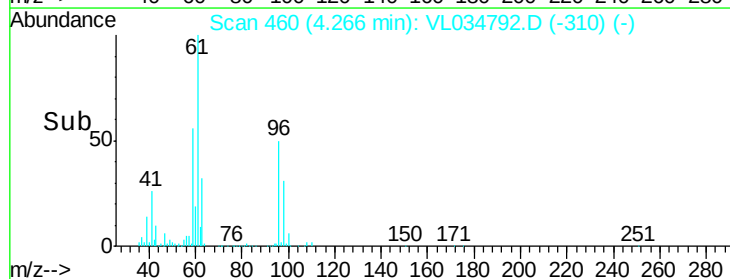
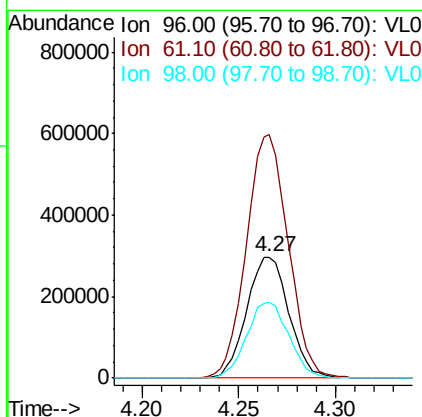
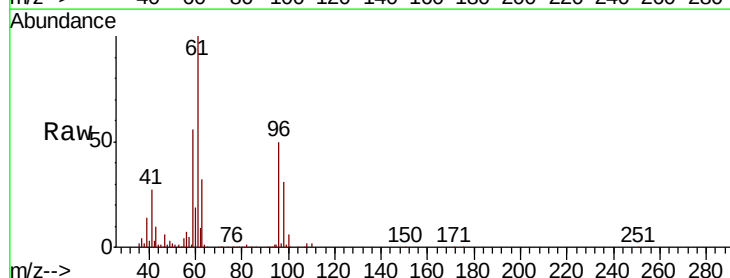
MMDadoda
3/9/2020 9:18:34 AM

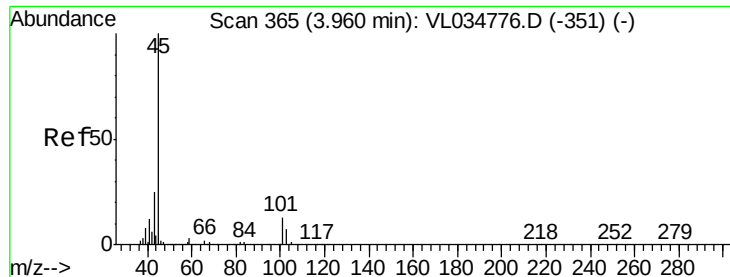


#18

1,1-Dichloroethene
Concen: 9.940 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.4	159.5	239.3
98	63.3	51.1	76.7





#19

Isopropyl Alcohol

Concen: 7.503 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 45 Resp: 549968

Ion Ratio Lower Upper

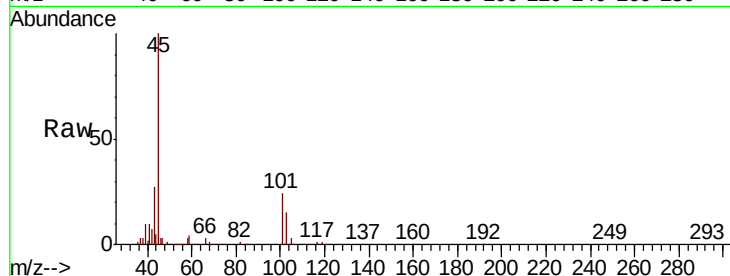
45 100

58 3.0 1.8 2.8#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

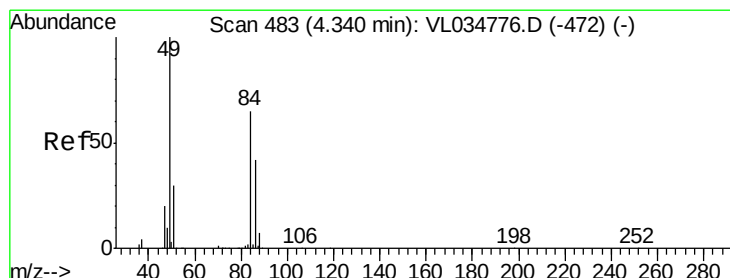
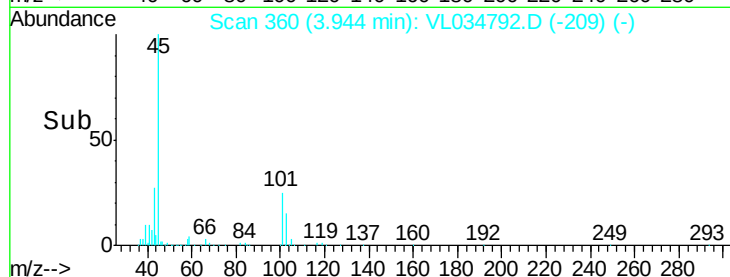
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.952 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 84 Resp: 390863

Ion Ratio Lower Upper

84 100

49 158.2 123.2 184.8

51 45.7 37.4 56.2

86 64.7 51.6 77.4

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

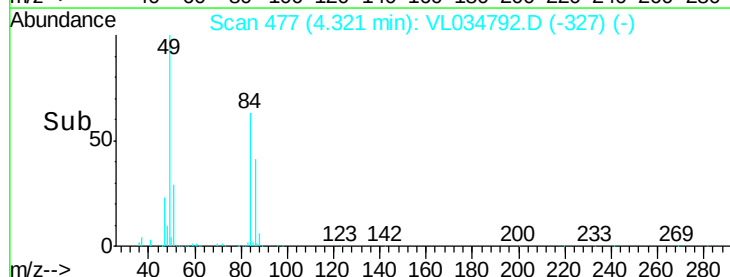
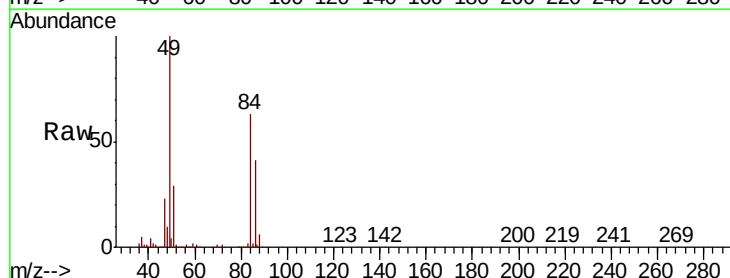
300000

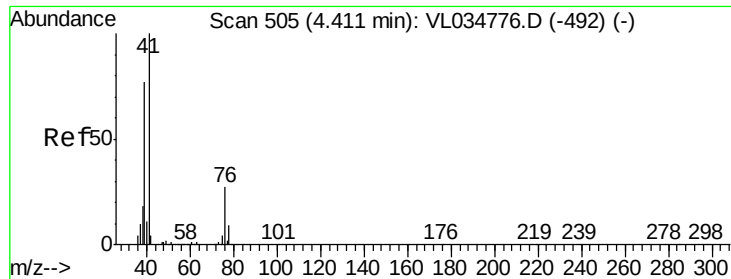
200000

100000

0

Time-->





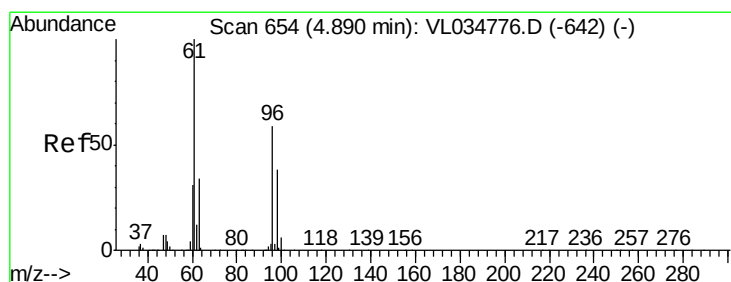
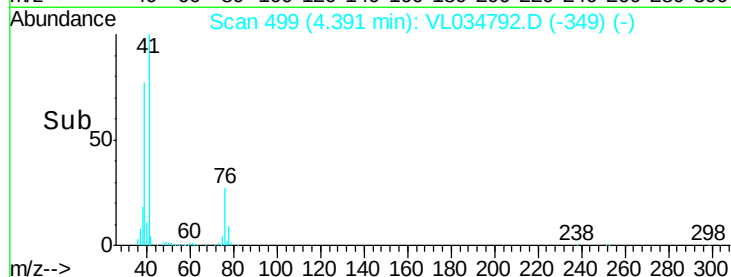
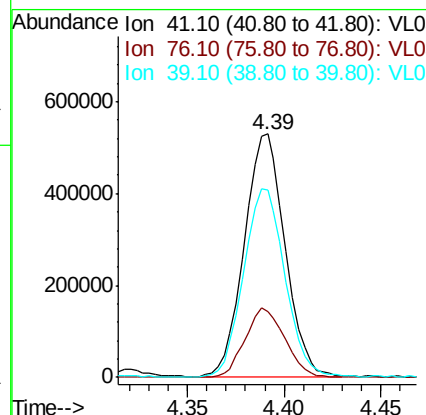
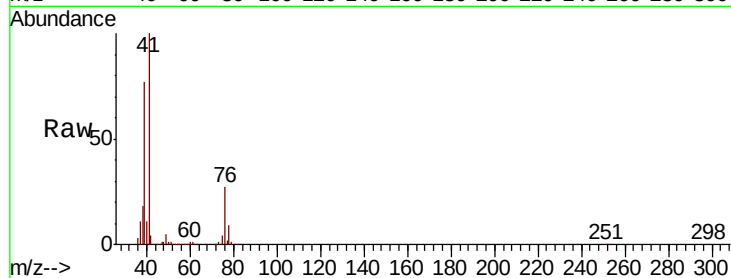
#21
Allvl Chloride
Concen: 9.953 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.5	33.7
39	79.7	65.0	97.6

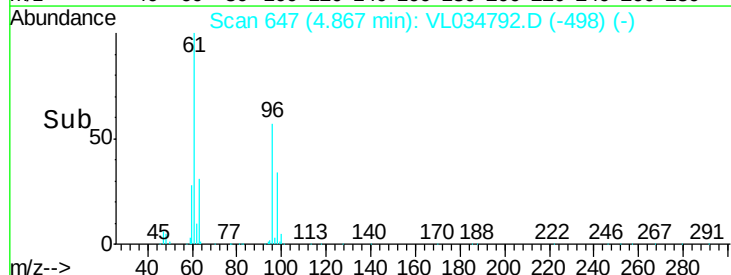
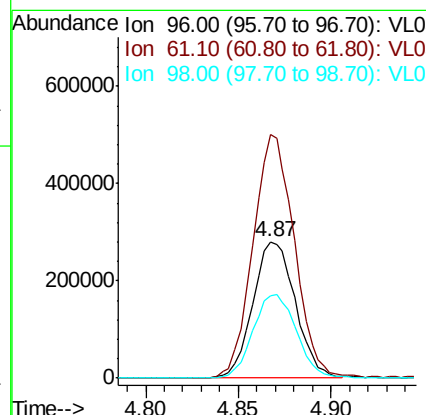
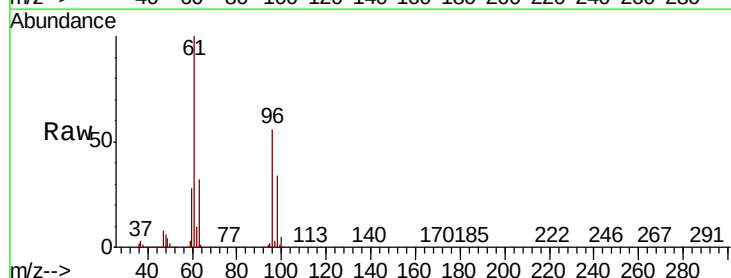
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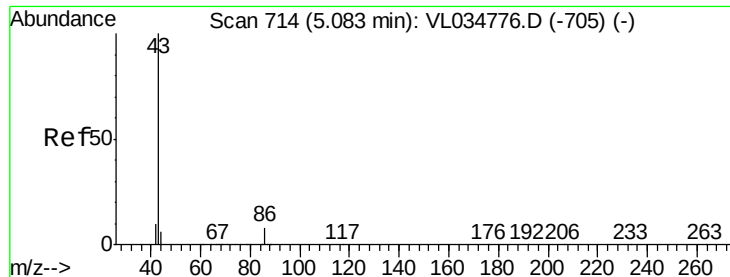
MMDadoda
3/9/2020 9:18:34 AM



#22
trans-1,2-Dichloroethene
Concen: 10.026 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.7	135.2	202.8
98	60.5	50.8	76.2





#23

Vinyl Acetate

Concen: 9.782 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 43 Resp: 1604622

Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9

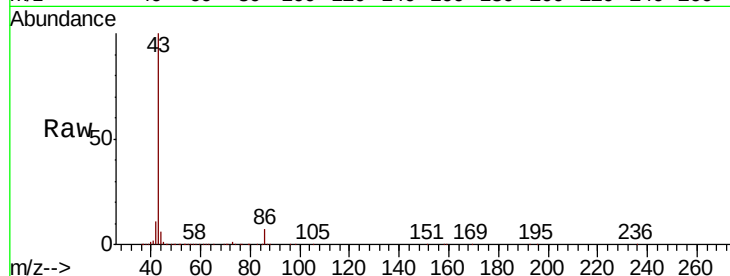
42 11.0 8.2 12.2

44 5.9 4.5 6.7

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MMDadoda

3/9/2020 9:18:34 AM

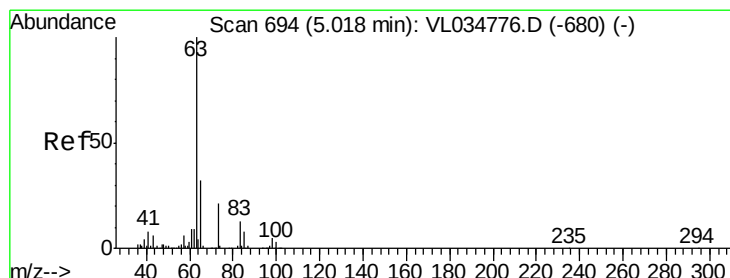
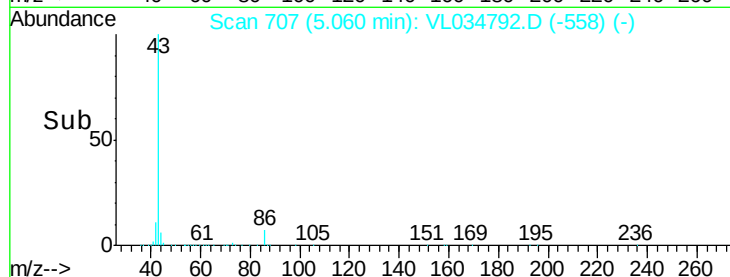
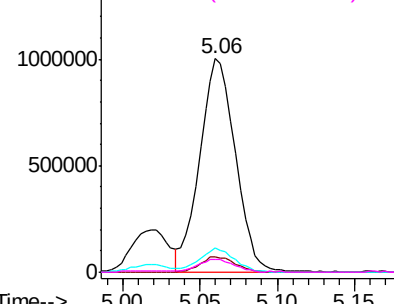


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.377 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

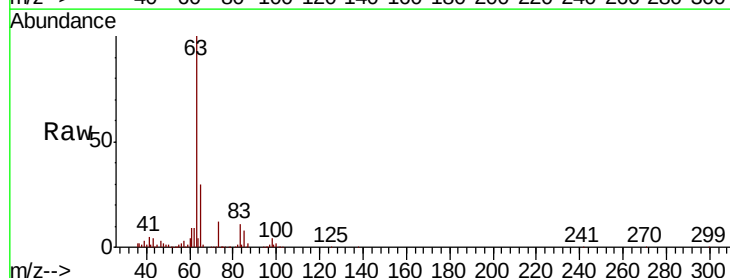
Tgt Ion: 63 Resp: 1193821

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

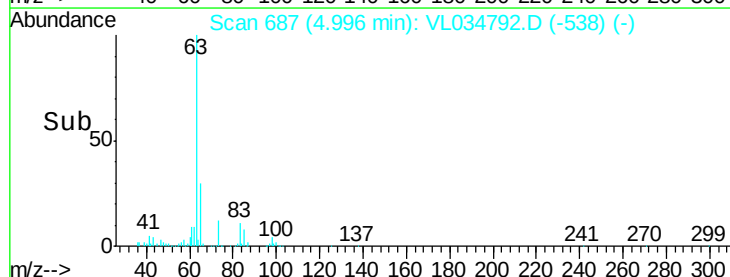
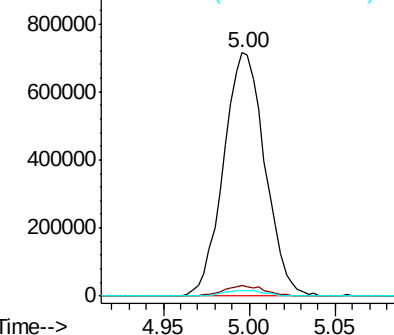
100 2.3 1.5 4.4

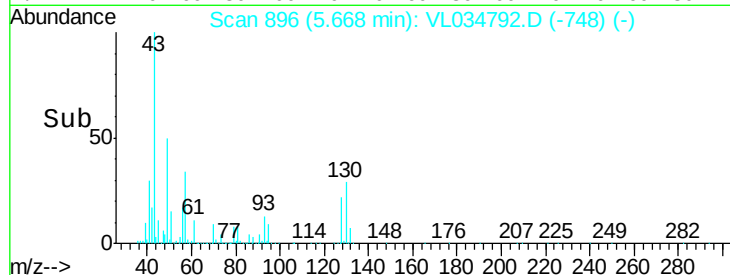
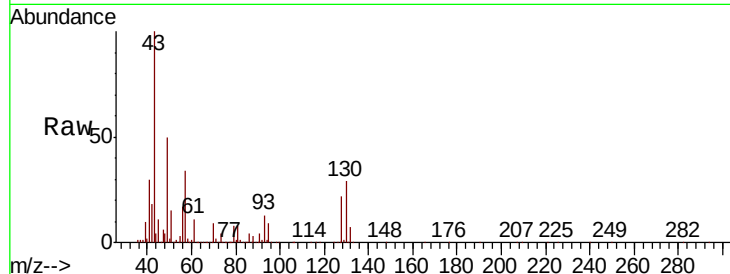
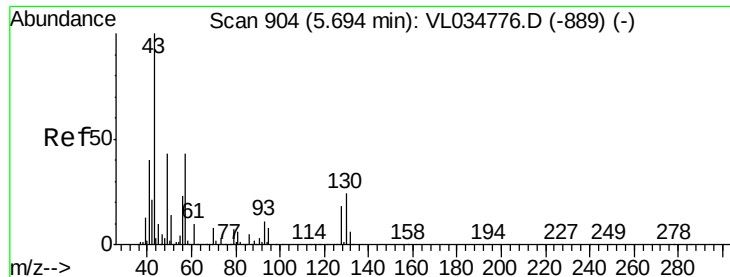


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

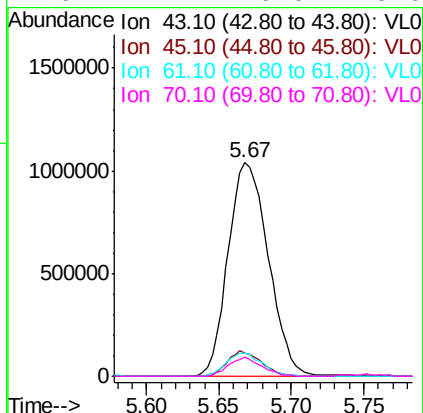
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.489 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

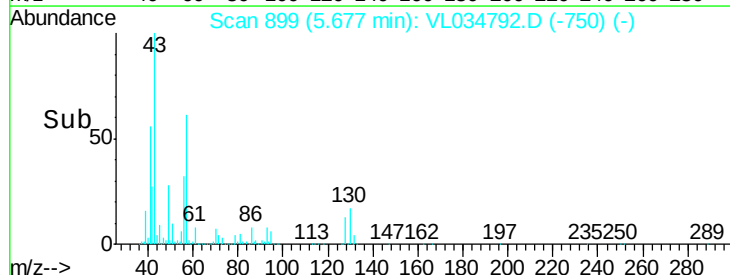
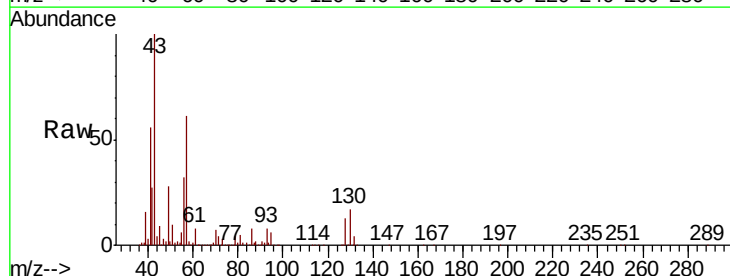
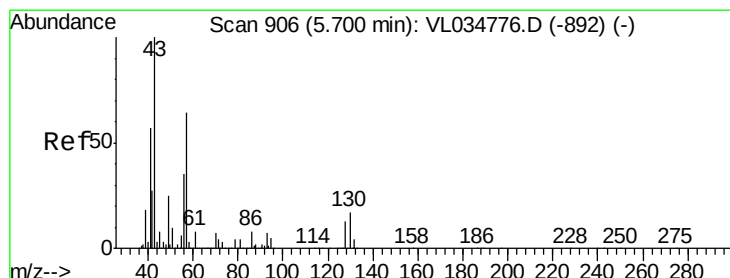
Tot Ion	43	Resp	2005967
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.7	7.5	11.3
70	7.4	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

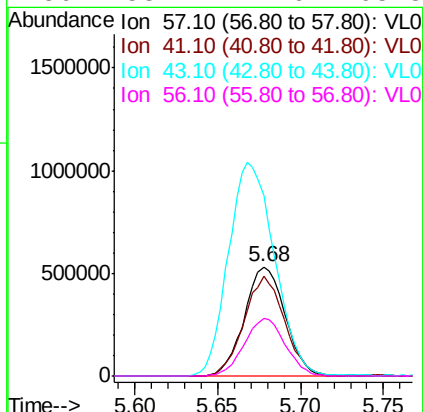
Manual Integrations
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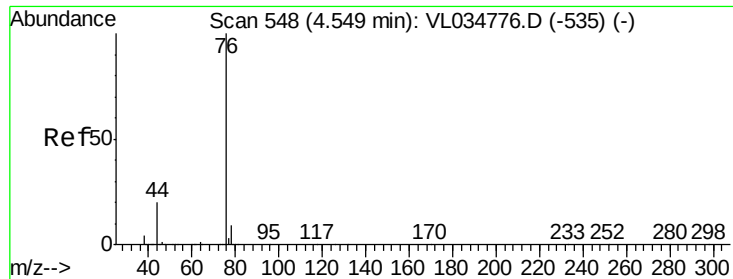
MMDadoda
3/9/2020 9:18:34 AM



#26
Hexane
Concen: 9.825 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	57	Resp	907347
Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.0	108.0
43	222.4	179.1	268.7
56	53.1	42.6	63.8





#27

Carbon Disulfide

Concen: 10.753 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 76 Resp: 1160074

Ion Ratio Lower Upper

76 100

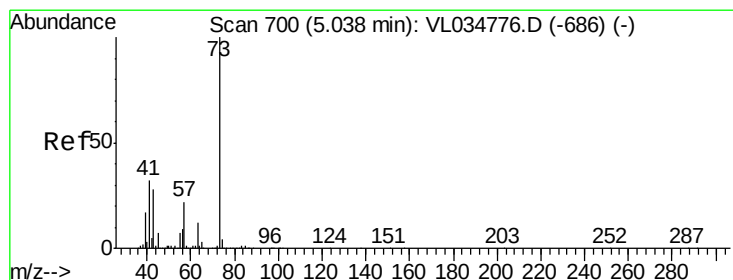
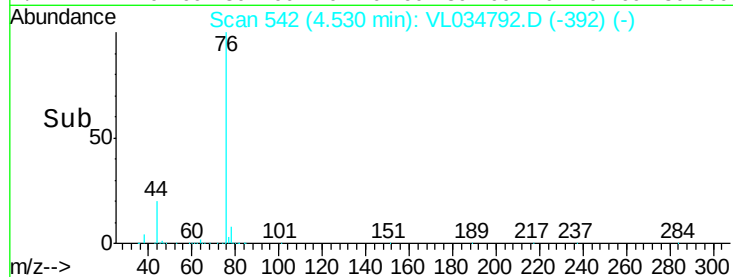
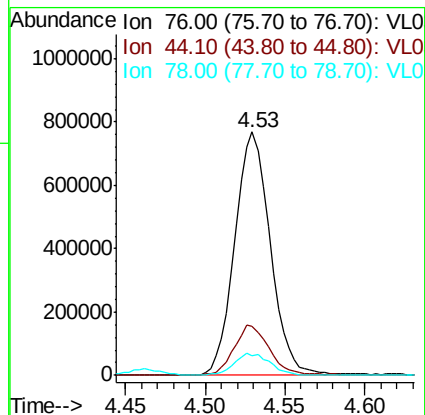
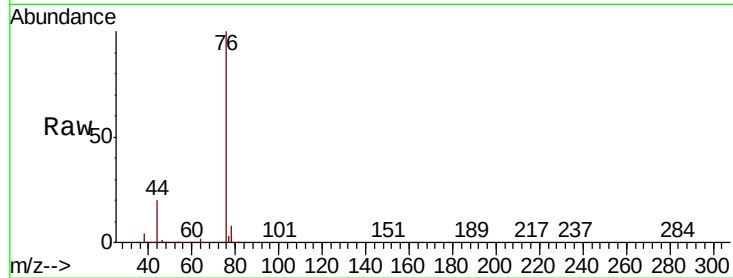
44 20.3 16.1 24.1

78 9.2 7.5 11.3

Manual Integrations
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MMDadoda

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#28

Methyl tert-Butyl Ether

Concen: 9.317 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.02 min

Lab File: VL034792.D

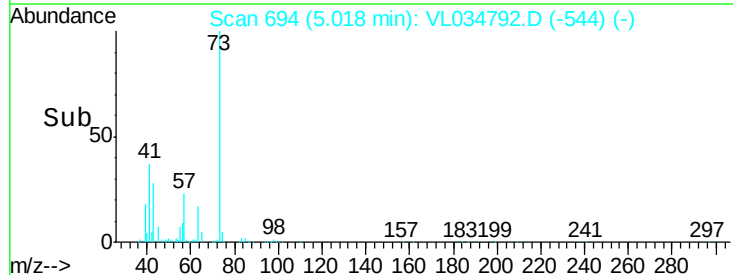
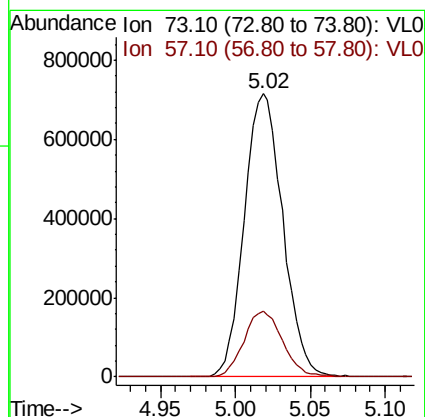
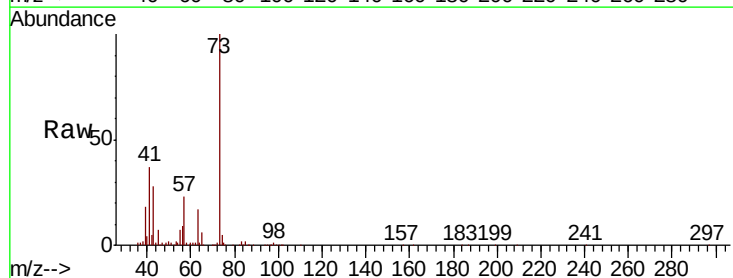
Acq: 5 Mar 2020 11:51

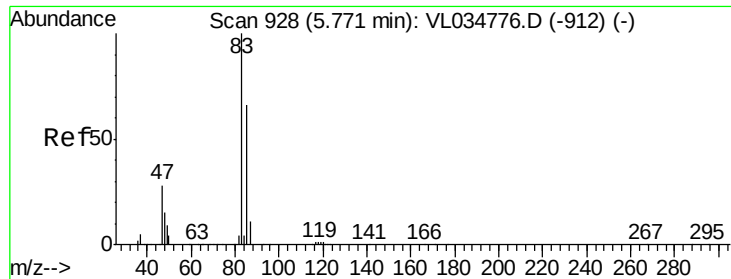
Tgt Ion: 73 Resp: 1280601

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7





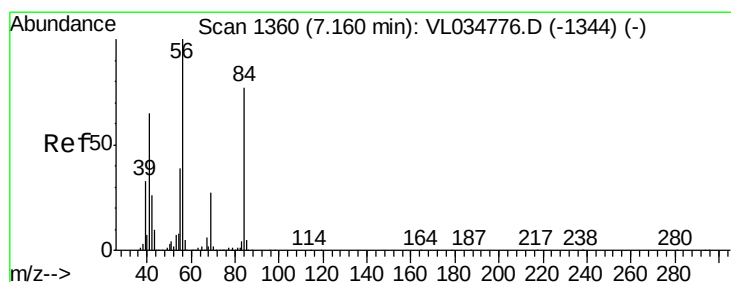
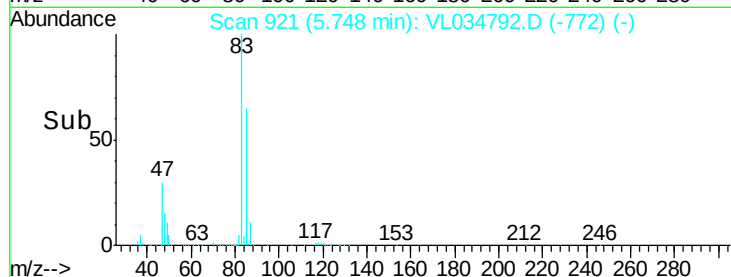
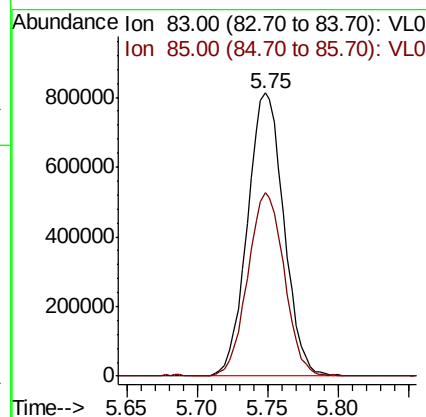
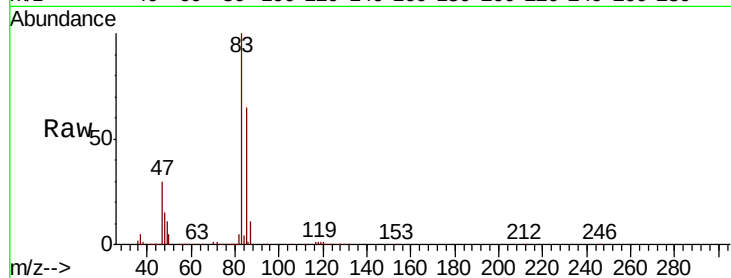
#29
Chloroform
Concen: 9.441 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion: 83 Resp: 1467632
Ion Ratio Lower Upper
83 100
85 64.9 53.0 79.4

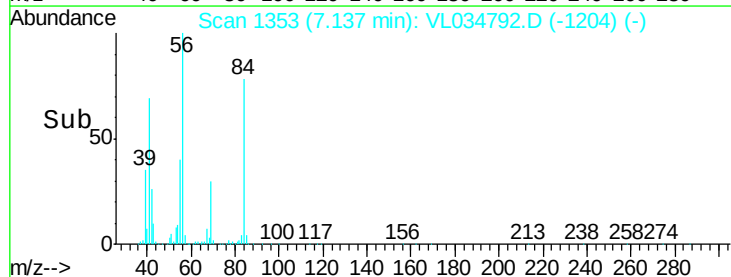
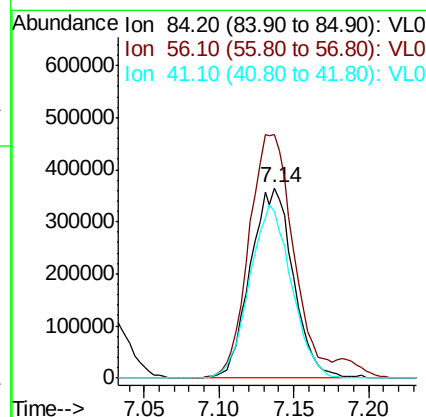
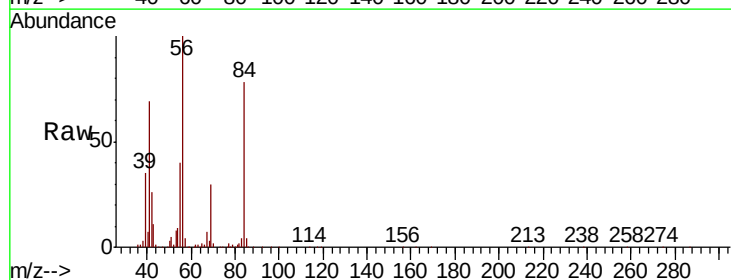
Manual Integrations
APPROVED

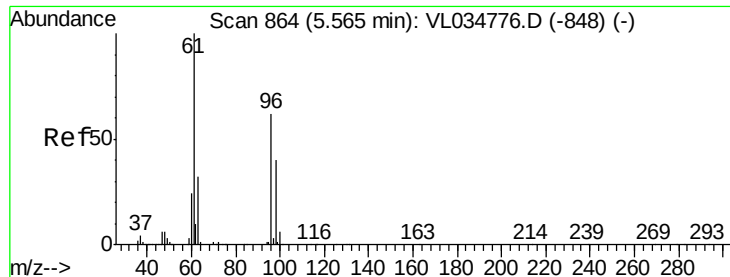
MMDadoda
3/9/2020 9:18:34 AM



#30
Cyclohexane
Concen: 10.284 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 84 Resp: 726585
Ion Ratio Lower Upper
84 100
56 139.5 113.2 169.8
41 89.4 70.2 105.4





#31

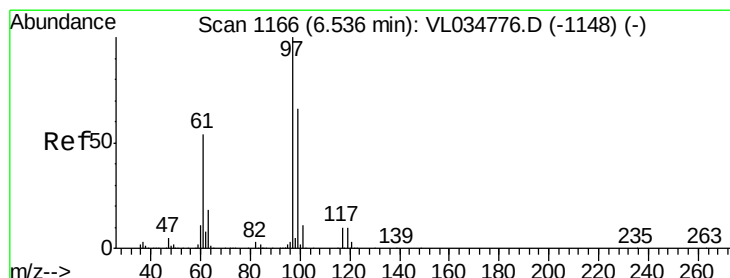
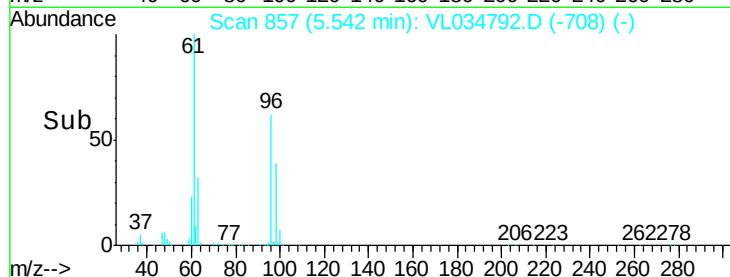
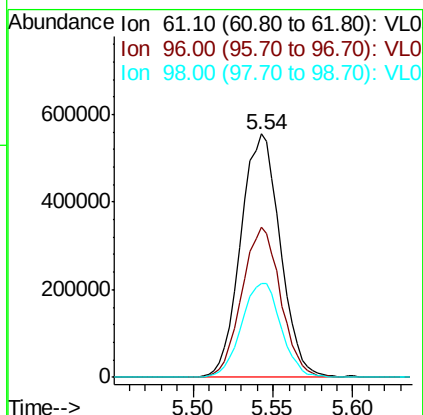
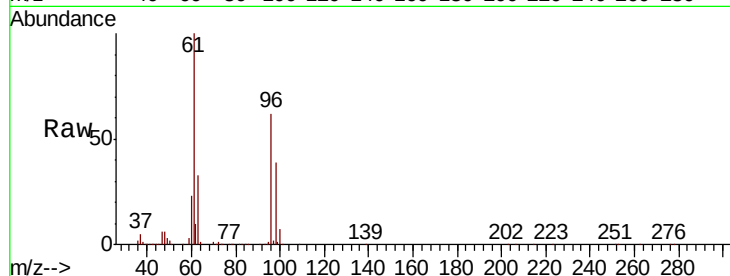
cis-1,2-Dichloroethene
Concen: 9.852 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.8	49.7	74.5
98	38.8	31.9	47.9

Manual Integrations
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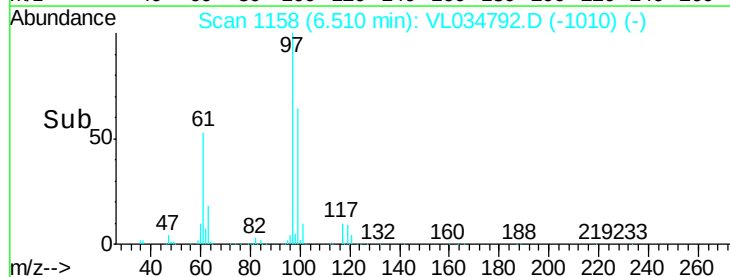
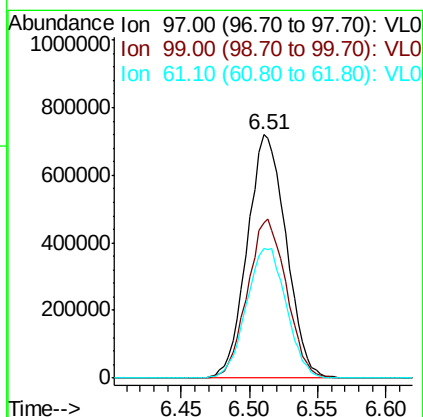
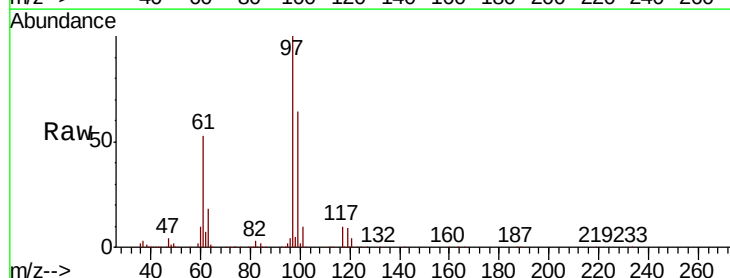
MMDadoda
3/9/2020 9:18:34 AM

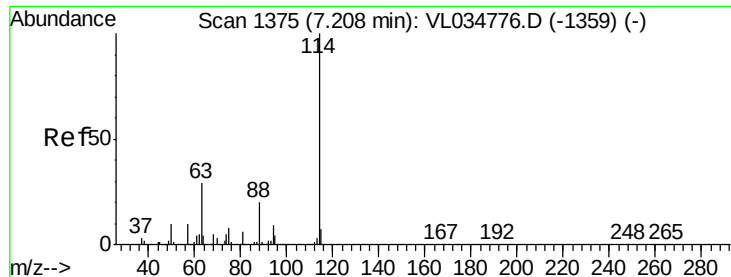


#32

1,1,1-Trichloroethane
Concen: 9.265 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.7	77.5
61	54.9	43.4	65.0





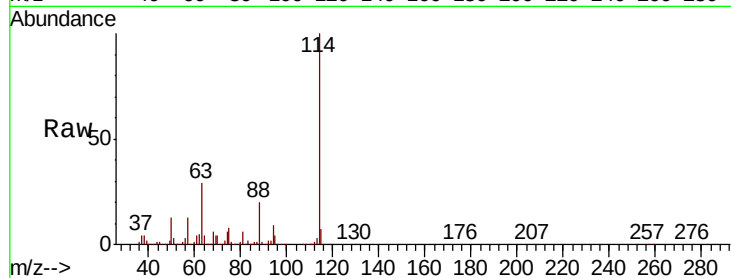
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

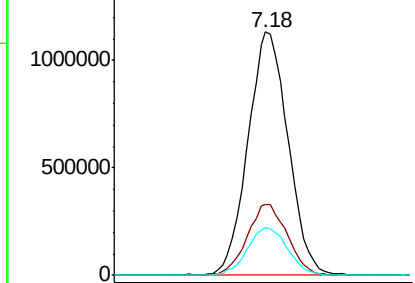
Tot Ion	Ratio	Lower	Upper
114	100		
63	29.7	23.6	35.4
88	19.7	15.8	23.8

Manual Integrations
 APPROVED

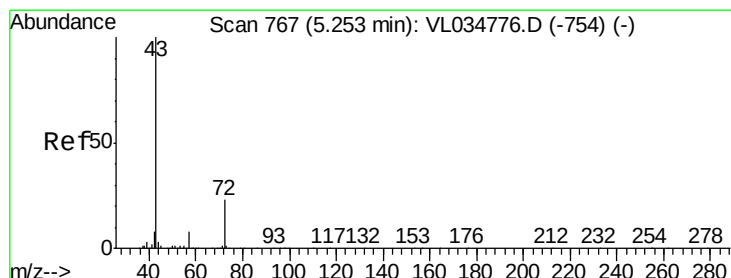
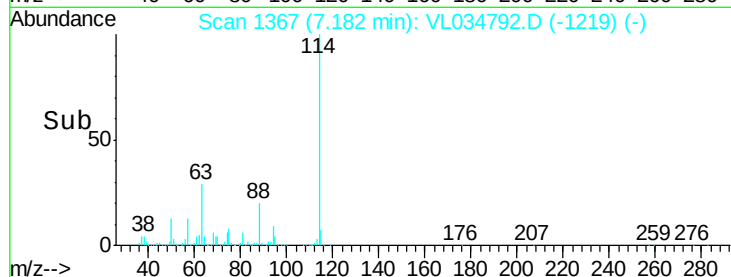
MMDadoda
 3/9/2020 9:18:34 AM



Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

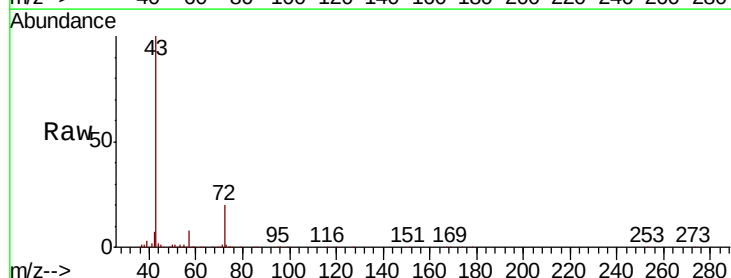


Time-->

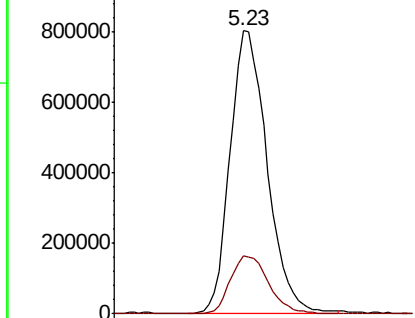


#34
 2-Butanone
 Concen: 9.682 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

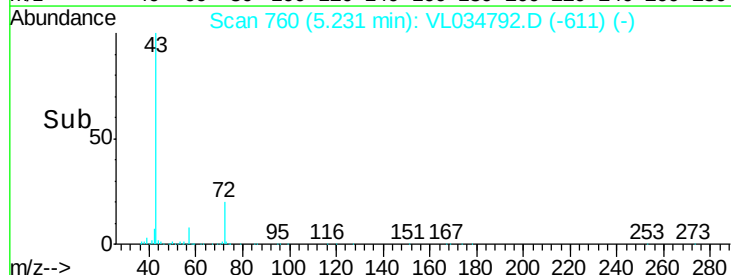
Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.5	26.3

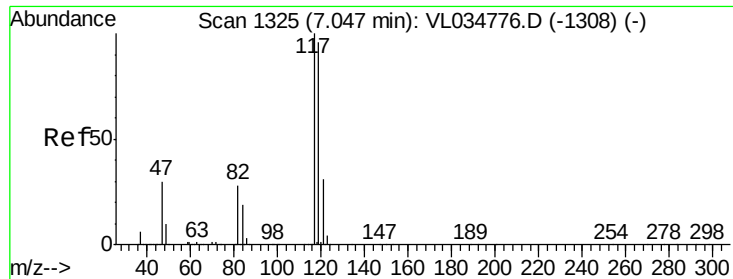


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



Time-->





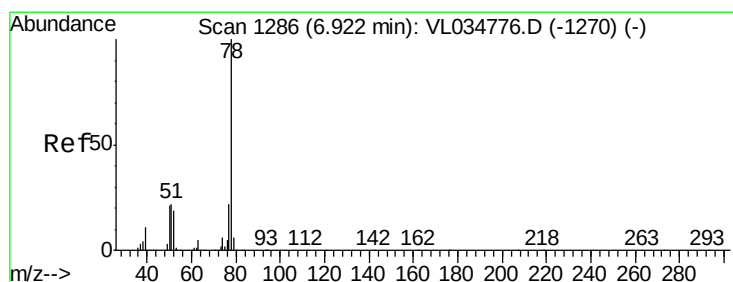
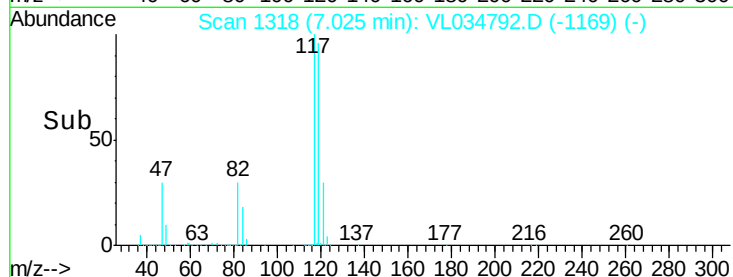
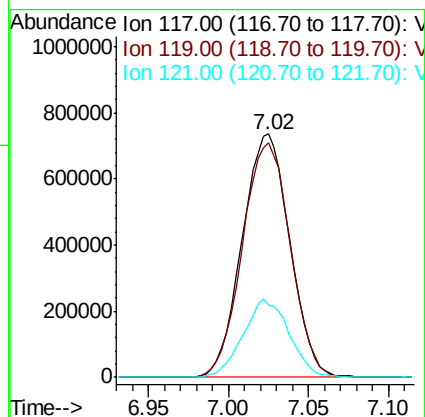
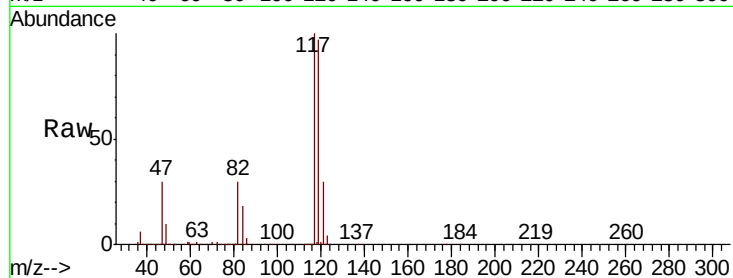
#35
Carbon Tetrachloride
Concen: 9.424 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.8	115.2
121	29.7	24.6	37.0

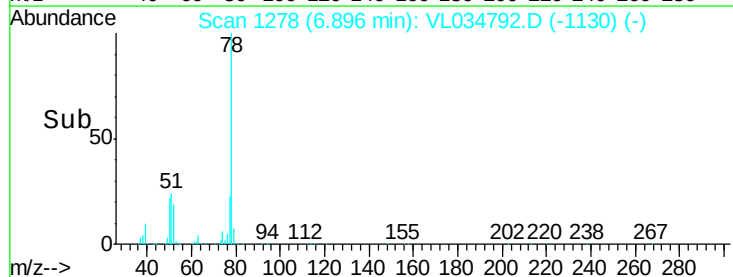
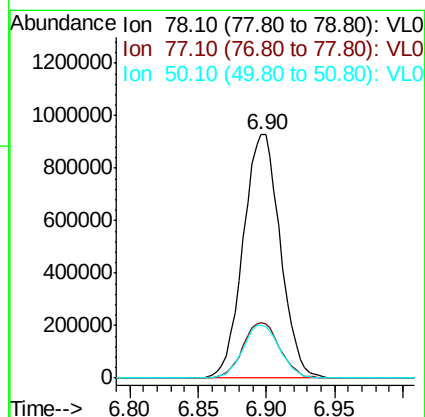
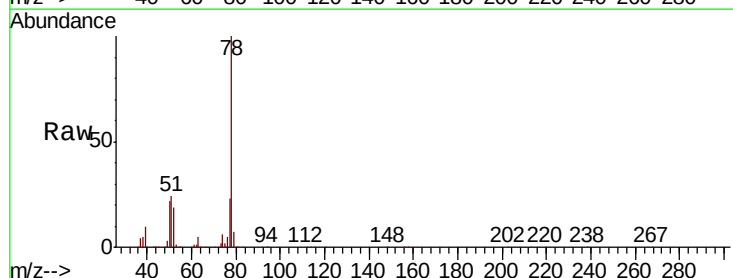
Manual Integrations
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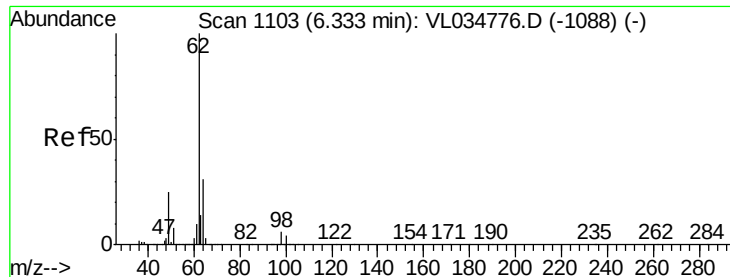
MMDadoda
3/9/2020 9:18:34 AM



#36
Benzene
Concen: 9.675 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.0	27.0
50	21.6	16.9	25.3





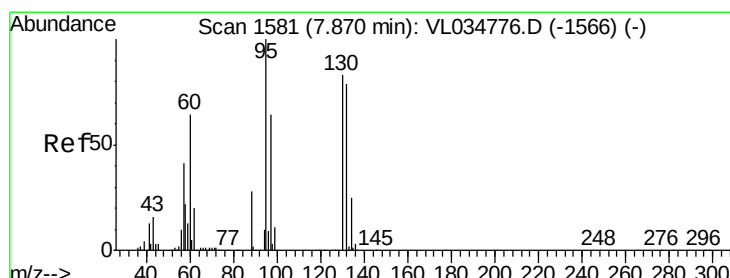
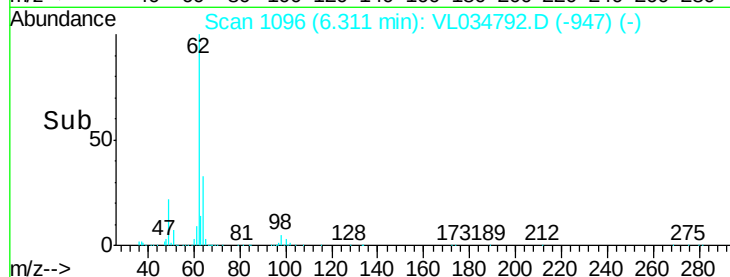
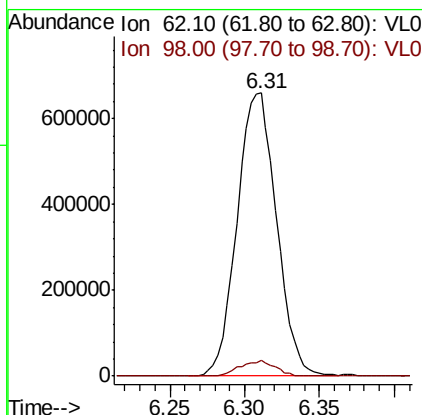
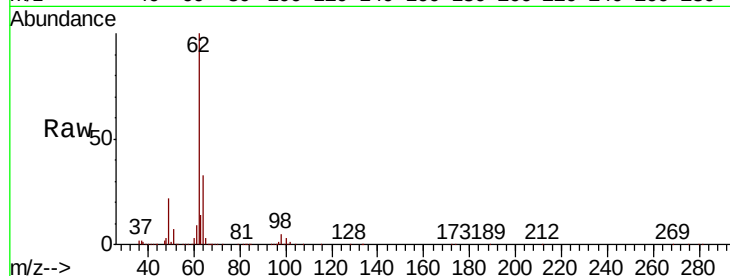
#37
 1,2-Dichloroethane
 Concen: 9.813 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.4	6.6

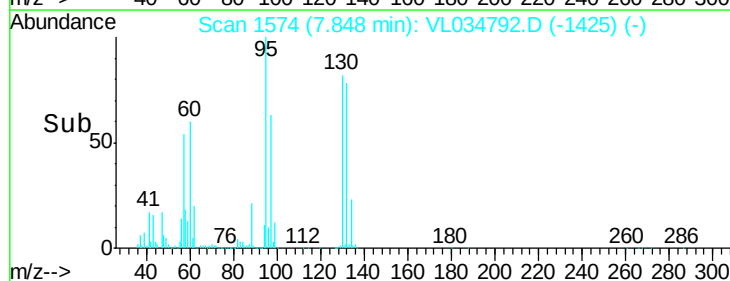
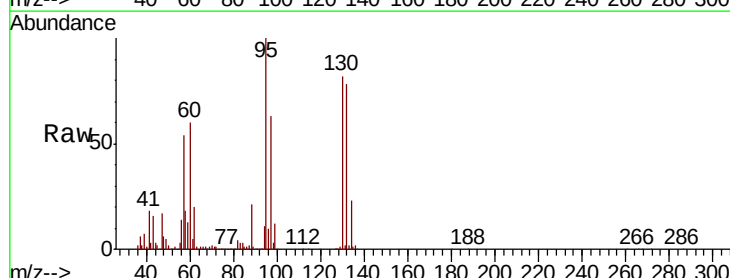
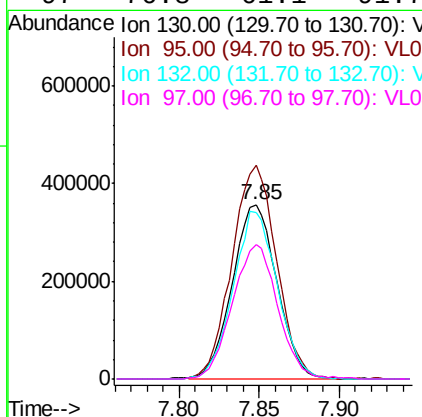
Manual Integrations
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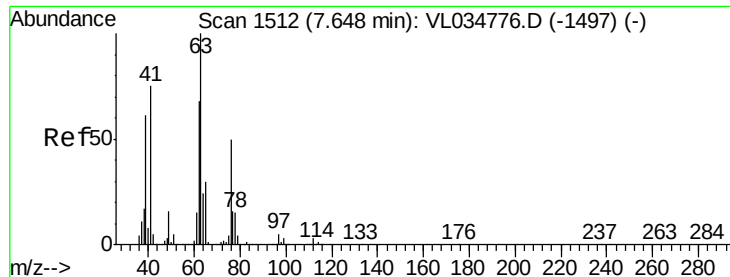
MMDadoda
 3/9/2020 9:18:34 AM



#38
 Trichloroethene
 Concen: 9.639 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.4	95.8	143.8
132	95.0	76.1	114.1
97	76.8	61.1	91.7





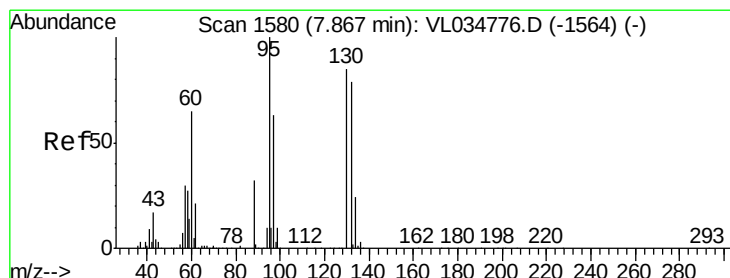
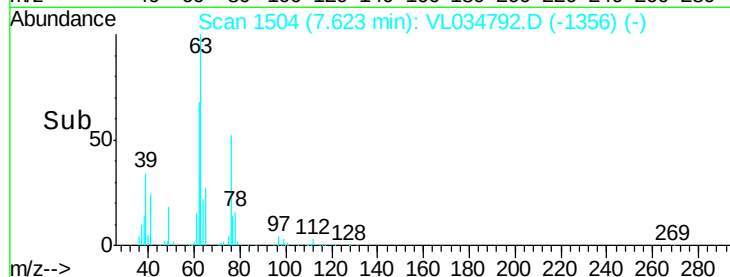
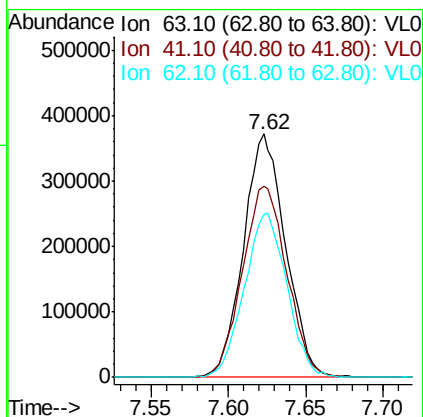
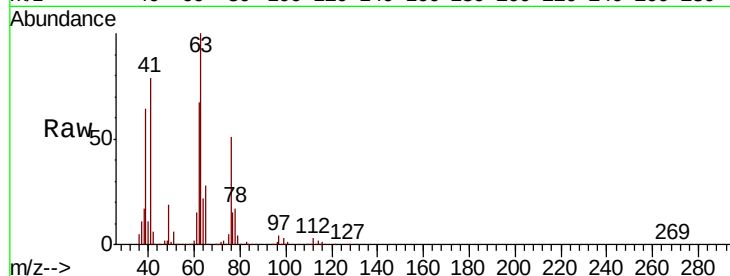
#39
 1,2-Dichloropropane
 Concen: 9.654 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion:	63	Resp:	703293
Ion Ratio	Lower	Upper	
63	100		
41	78.6	60.3	90.5
62	67.0	54.5	81.7

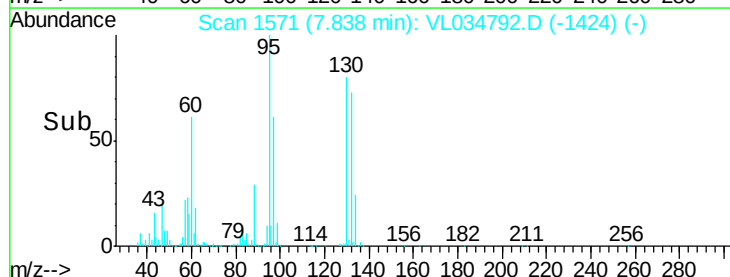
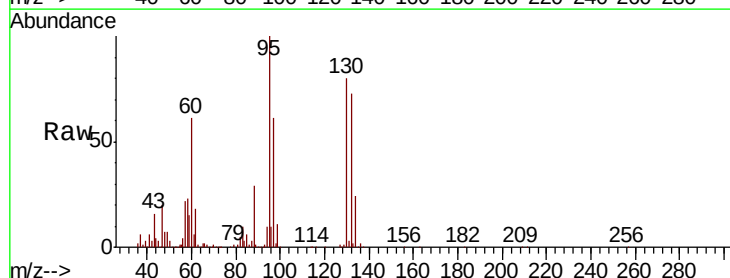
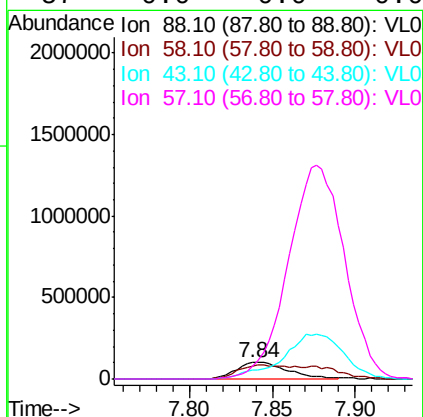
Manual Integrations
 APPROVED

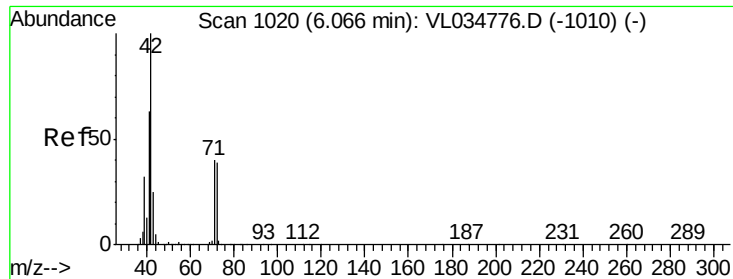
MMDadoda
 3/9/2020 9:18:34 AM



#40
 1,4-Dioxane
 Concen: 8.725 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:	88	Resp:	219850
Ion Ratio	Lower	Upper	
88	100		
58	145.8	110.6	166.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





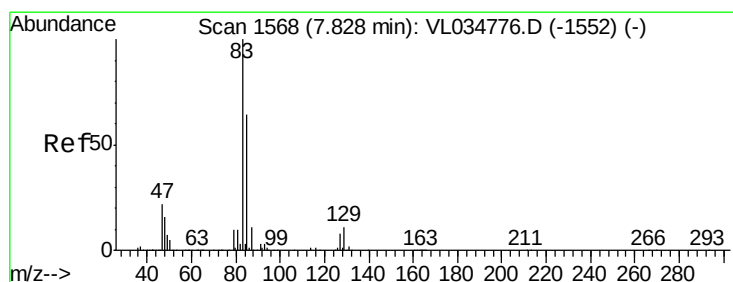
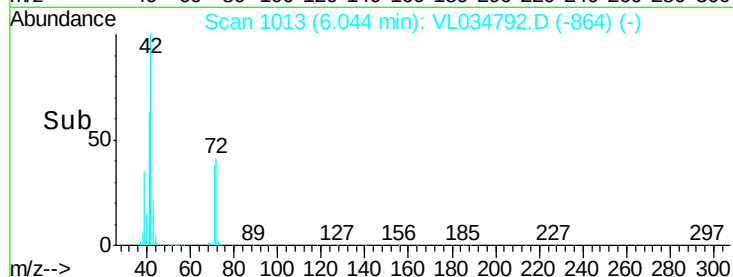
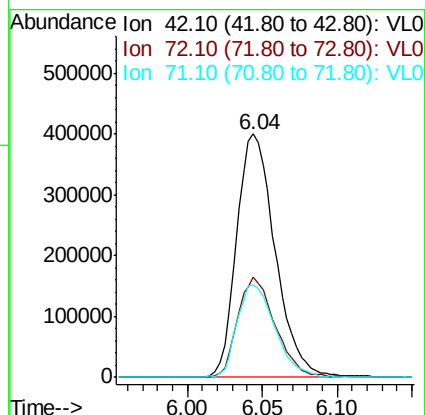
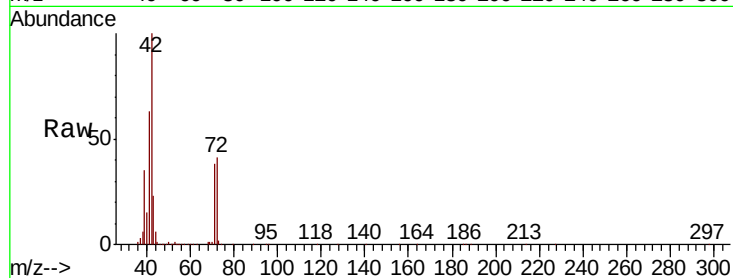
#41
Tetrahydrofuran
Concen: 10.227 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	37.9	31.3	46.9

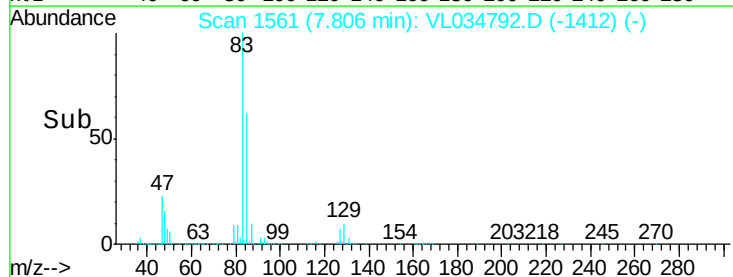
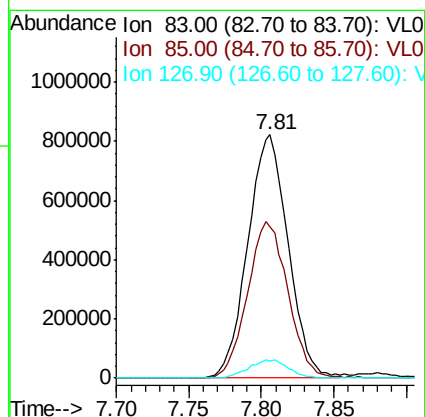
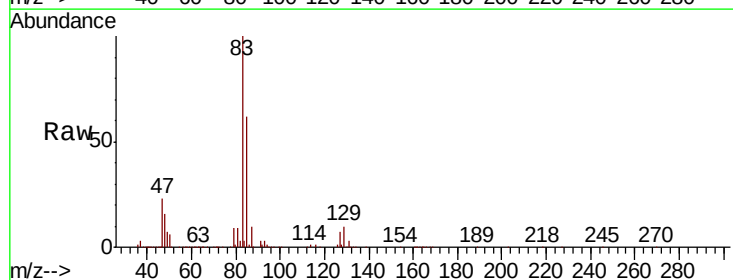
Manual Integrations
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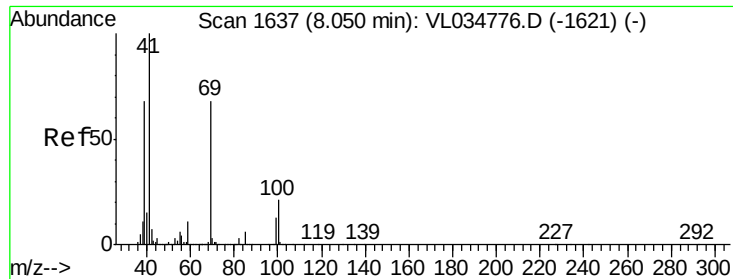
MMDadoda
3/9/2020 9:18:34 AM



#42
Bromodichloromethane
Concen: 10.212 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.02 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	7.1	6.5	9.7





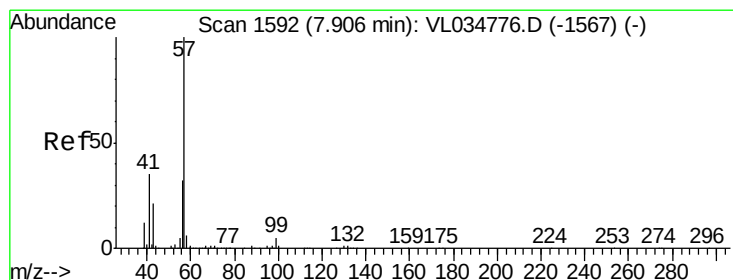
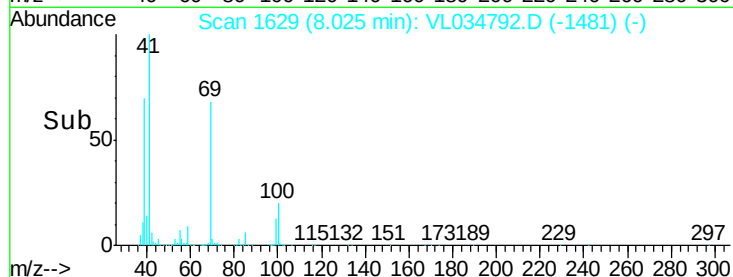
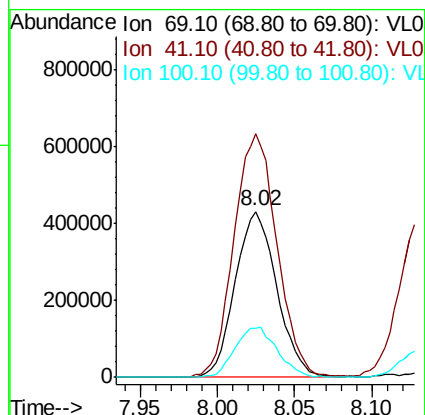
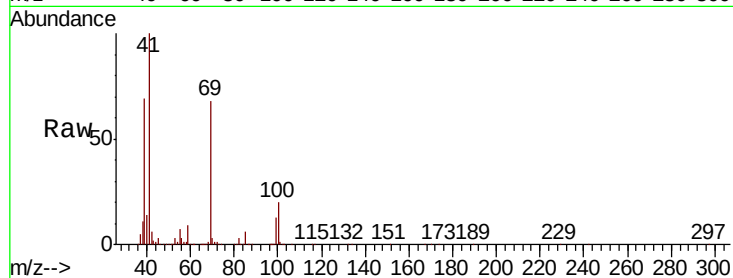
#43
Methyl Methacrylate
Concen: 10.484 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.2	121.6	182.4	
100	30.8	23.8	35.8	

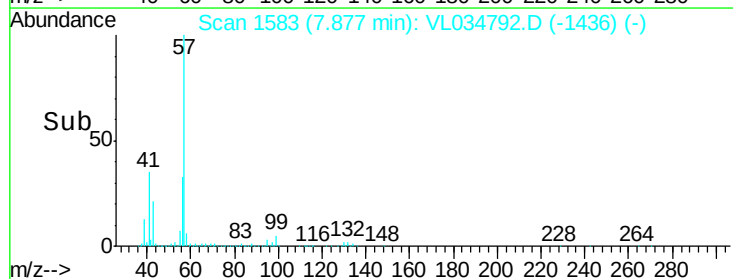
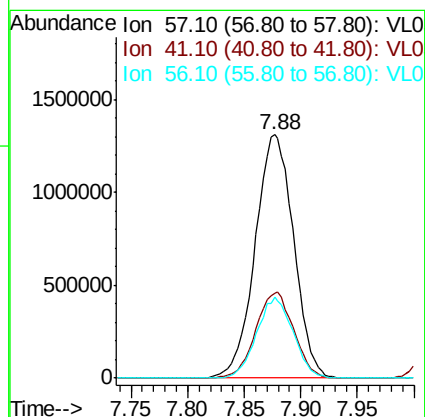
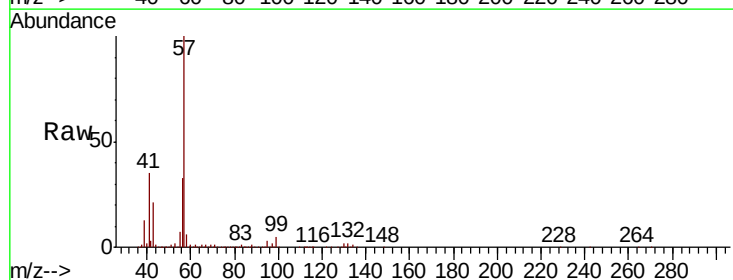
Manual Integrations
APPROVED

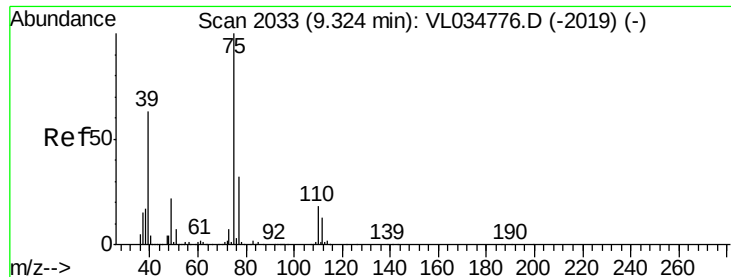
MMDadoda
3/9/2020 9:18:34 AM



#44
2,2,4-Trimethylpentane
Concen: 9.812 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.8	27.4	41.0	
56	31.4	25.0	37.6	





#45

t-1,3-Dichloropropene

Concen: 11.785 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 75 Resp: 946449

Ion Ratio Lower Upper

75 100

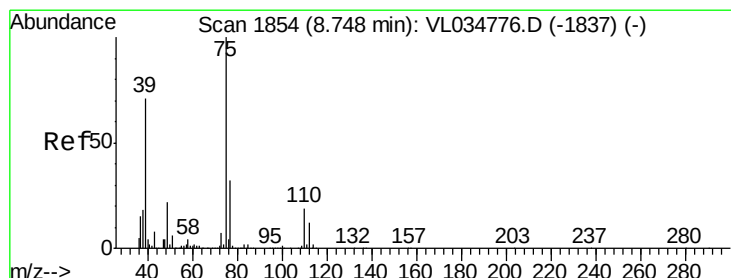
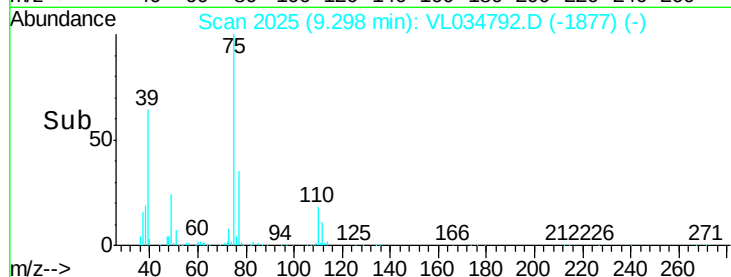
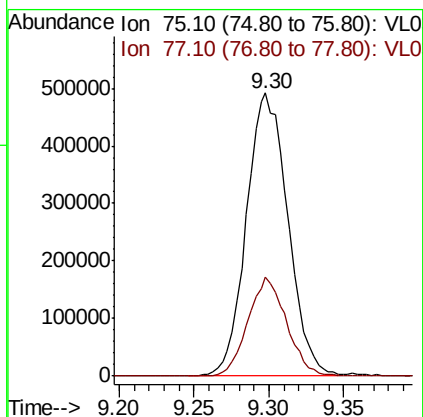
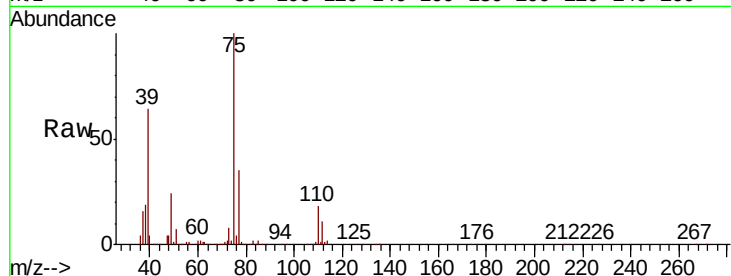
77 34.8 25.6 38.4

Manual Integrations

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3/9/2020 9:18:34 AM



#46

cis-1,3-Dichloropropene

Concen: 11.236 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

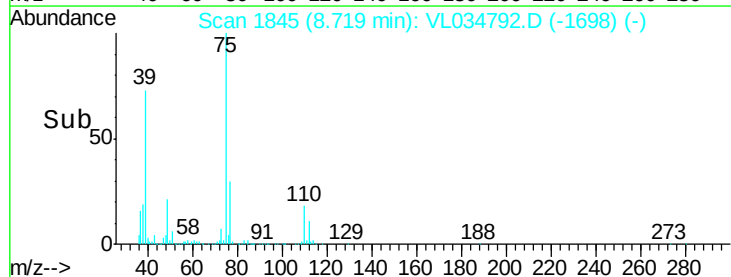
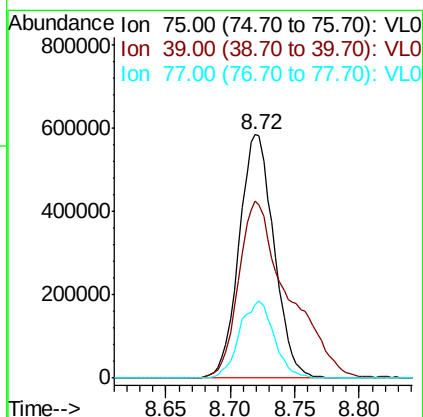
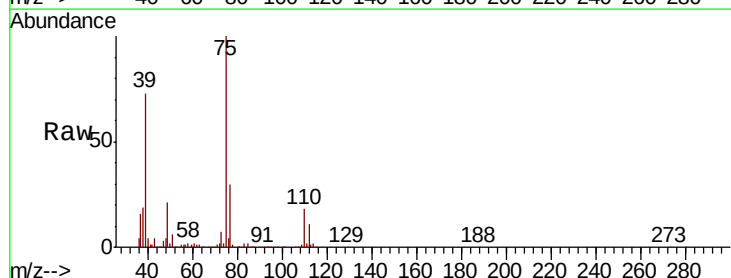
Tgt Ion: 75 Resp: 1101844

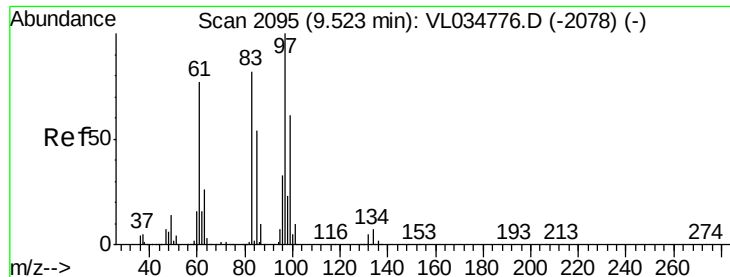
Ion Ratio Lower Upper

75 100

39 72.9 56.9 85.3

77 30.4 25.7 38.5





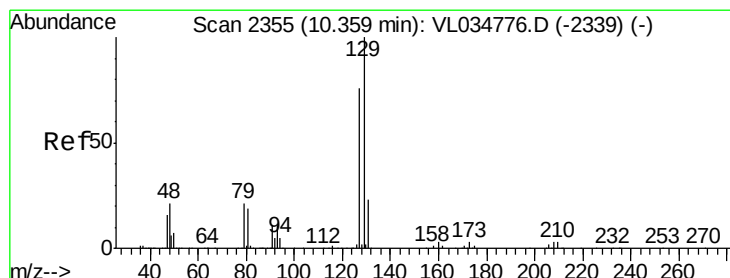
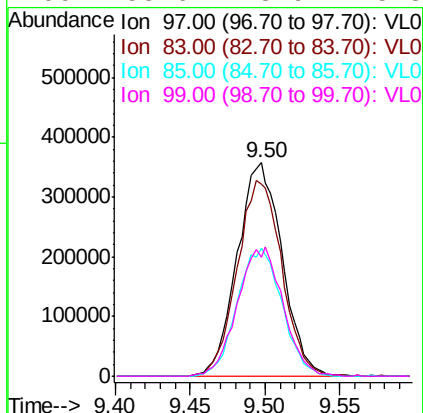
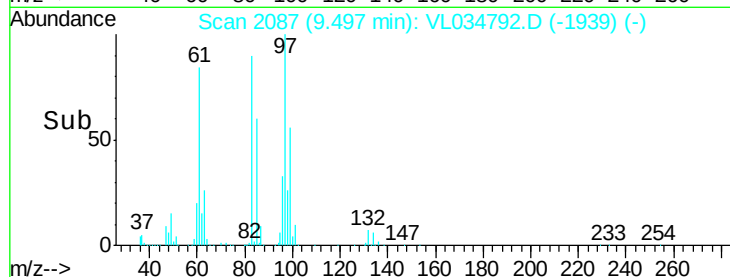
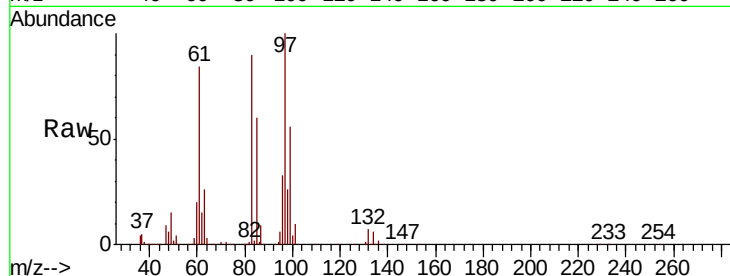
#47
 1,1,2-Trichloroethane
 Concen: 9.680 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		744553		
83	89.8	65.2	97.8		
85	59.8	43.6	65.4		
99	55.6	48.9	73.3		

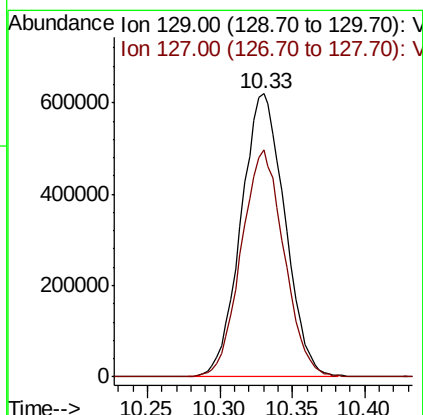
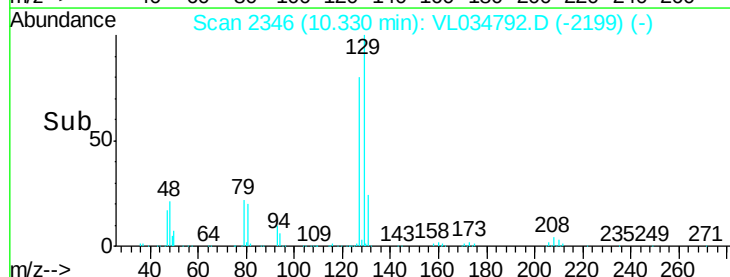
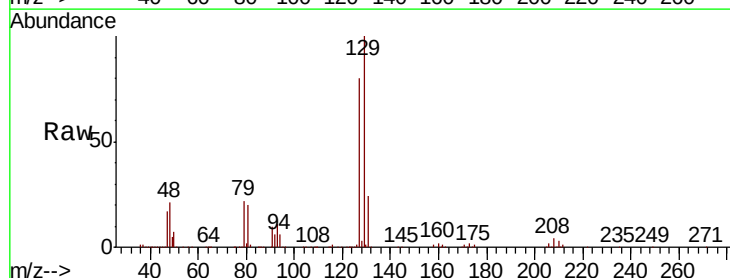
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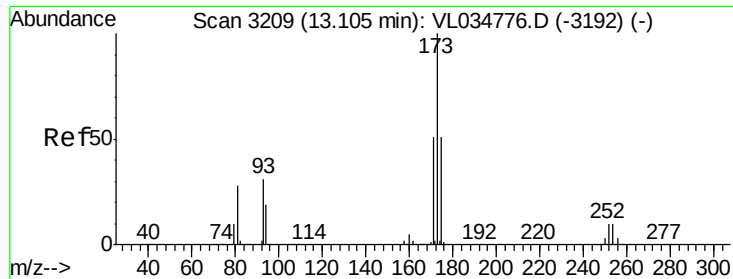
MMDadoda
 3/9/2020 9:18:34 AM



#48
 Dibromochloromethane
 Concen: 10.838 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1303521		
127	78.4	39.0	117.0		





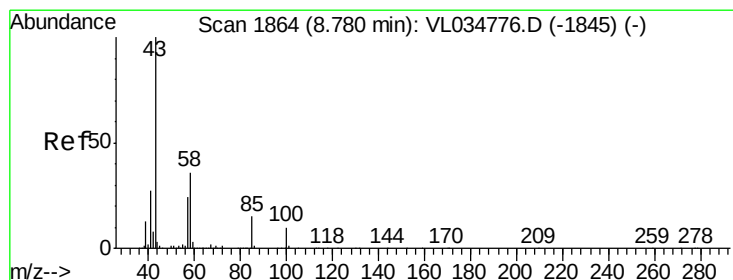
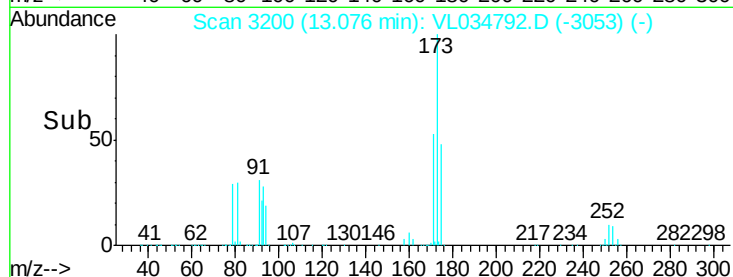
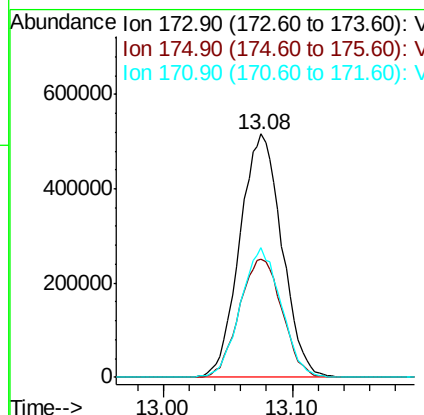
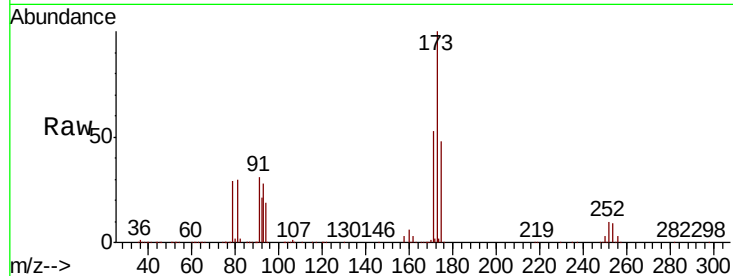
#49
Bromoform
Concen: 11.154 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion:173 Resp: 1170579
Ion Ratio Lower Upper
173 100
175 49.7 39.8 59.6
171 51.4 41.0 61.4

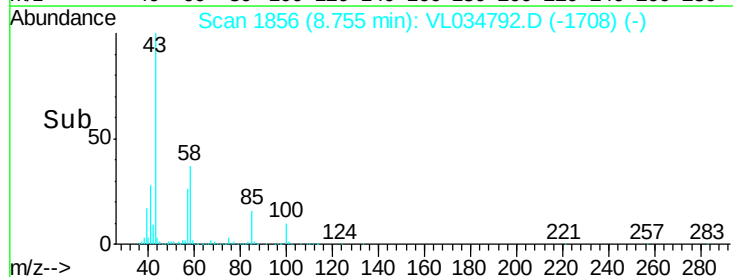
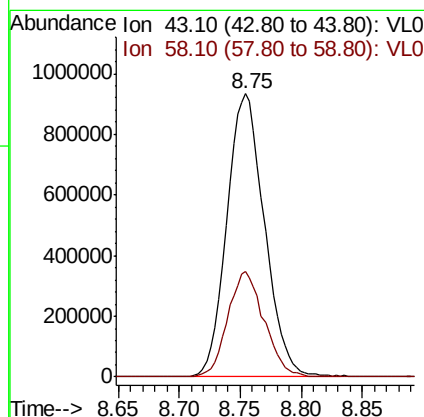
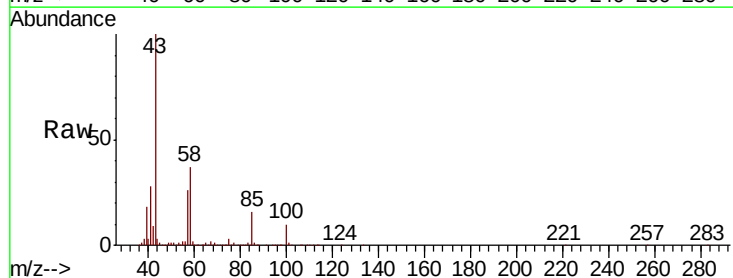
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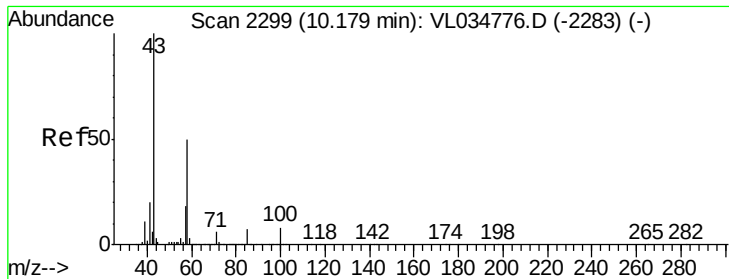
MMDadoda
3/9/2020 9:18:34 AM



#50
4-Methyl-2-Pentanone
Concen: 10.125 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 43 Resp: 1993936
Ion Ratio Lower Upper
43 100
58 36.3 28.7 43.1





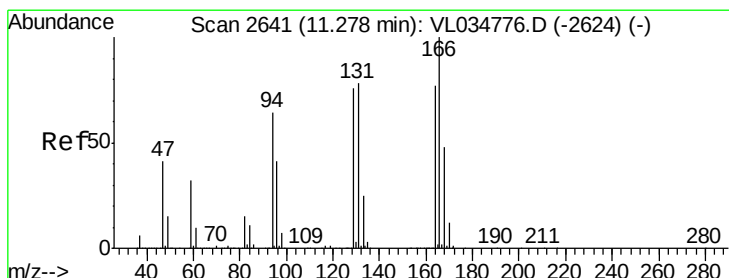
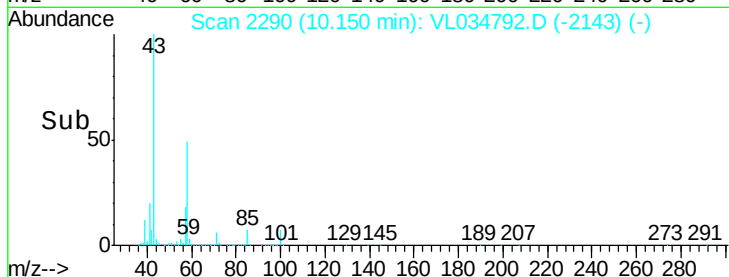
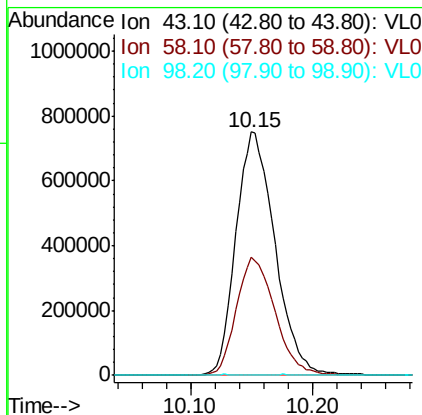
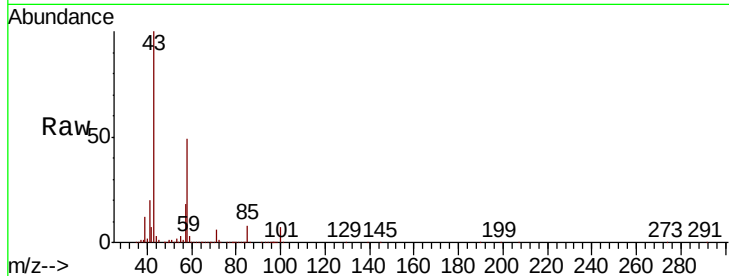
#51
2-Hexanone
Concen: 10.751 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.6	58.0
98	0.2	0.2	0.4

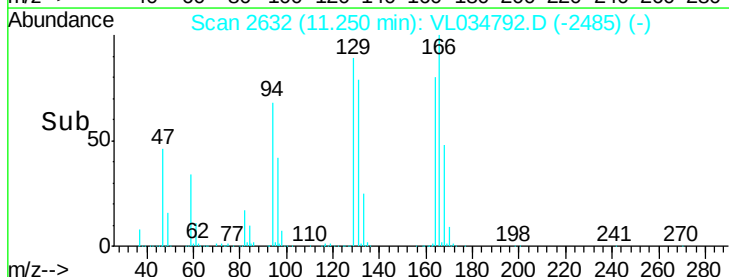
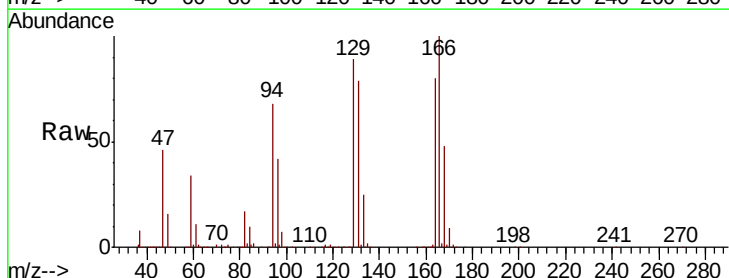
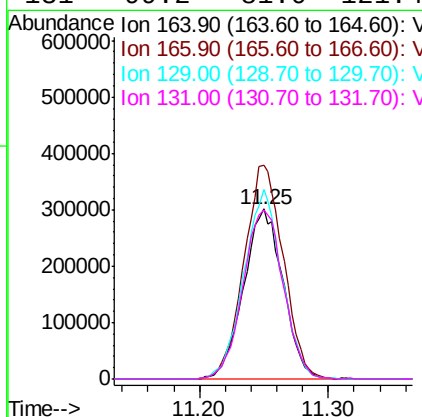
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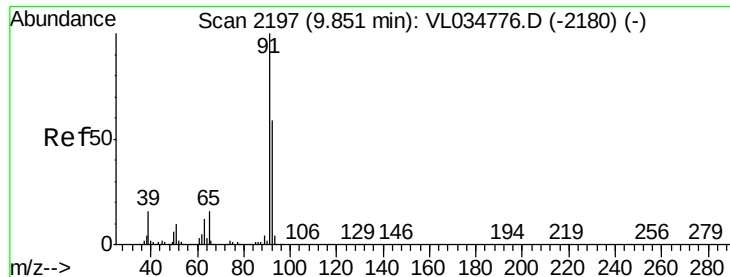
MMDadoda
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#52
Tetrachloroethene
Concen: 9.573 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.3	154.9
129	111.3	79.0	118.4
131	99.2	81.0	121.4





#53

Toluene

Concen: 10.806 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 91 Resp: 2064637

Ion Ratio Lower Upper

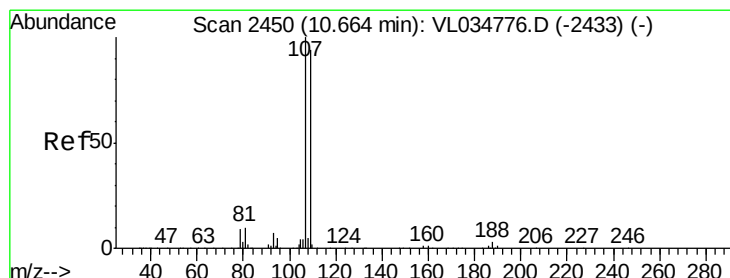
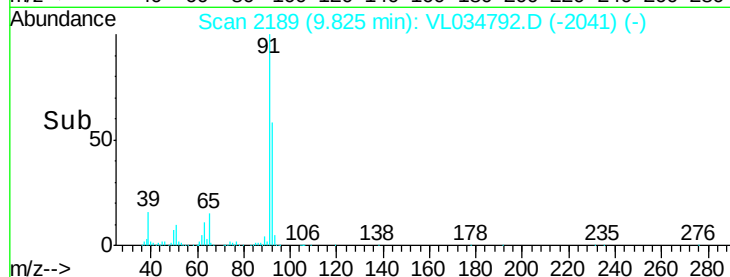
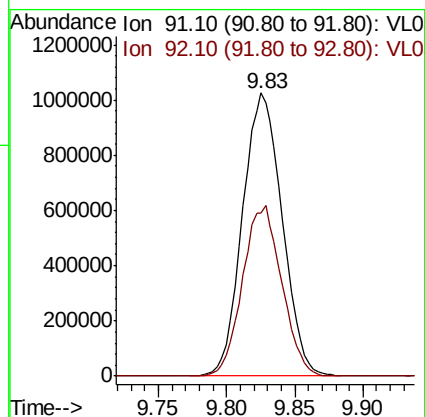
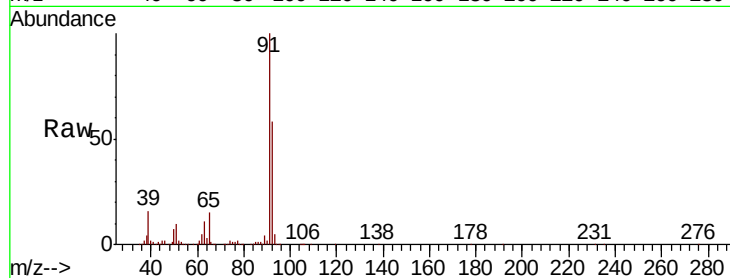
91 100

92 59.7 48.2 72.2

Manual Integrations
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3/9/2020 9:18:34 AM



#54

1,2-Dibromoethane

Concen: 10.128 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL034792.D

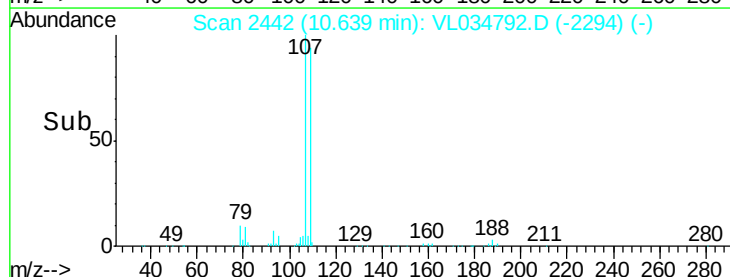
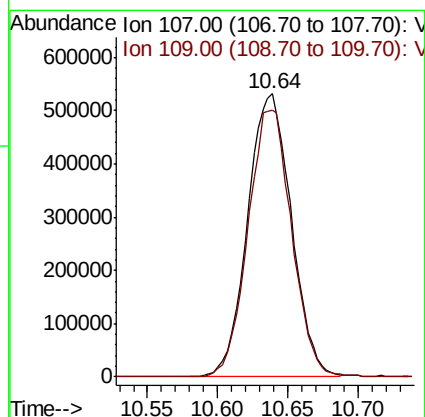
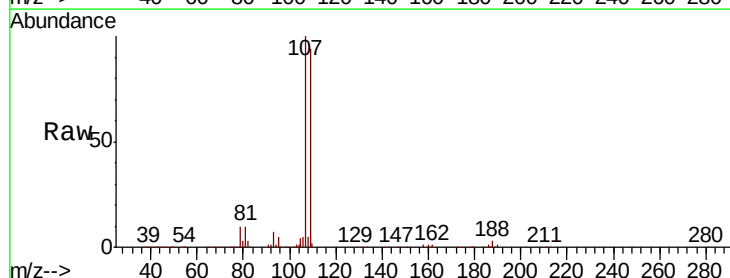
Acq: 5 Mar 2020 11:51

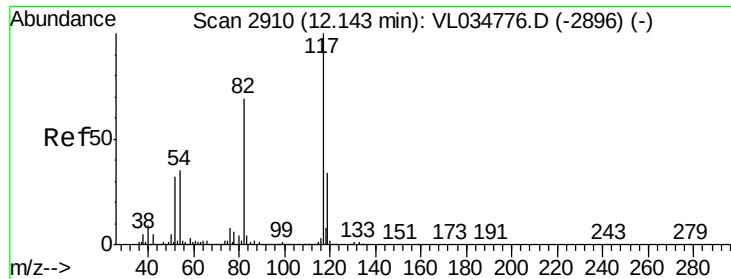
Tgt Ion: 107 Resp: 1151886

Ion Ratio Lower Upper

107 100

109 94.4 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion:117 Resp: 2183869

Ion Ratio Lower Upper

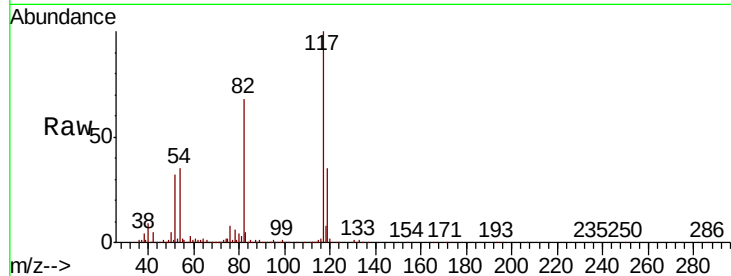
117 100

82 70.9 53.9 80.9

119 30.8 25.0 37.4

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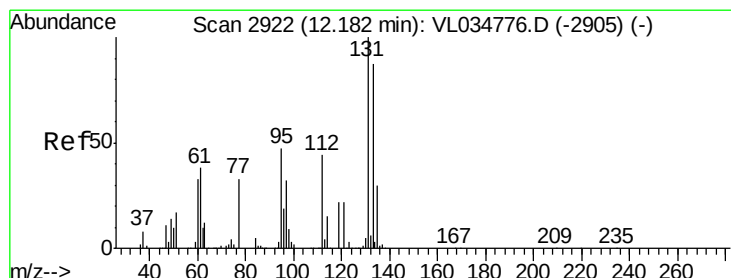
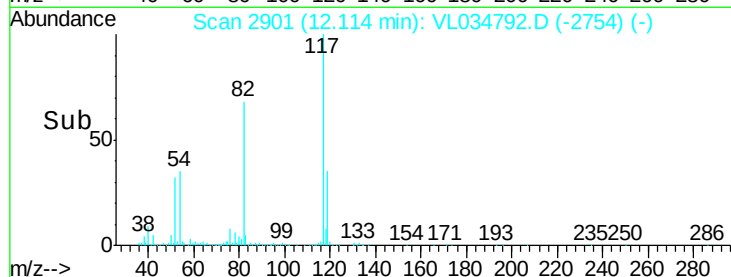
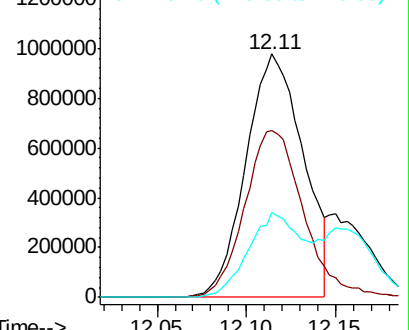
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 10.061 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

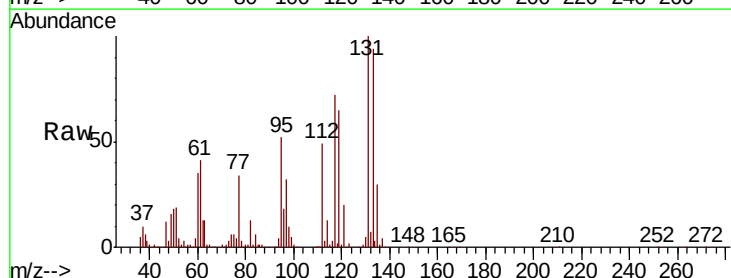
Tgt Ion:131 Resp: 973556

Ion Ratio Lower Upper

131 100

133 93.3 75.4 113.0

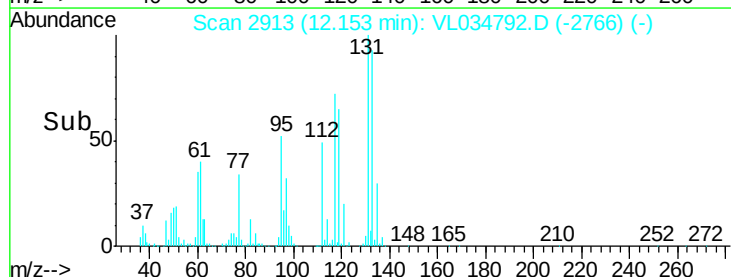
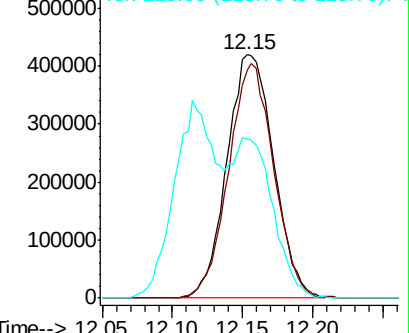
119 59.0 110.5 165.7#

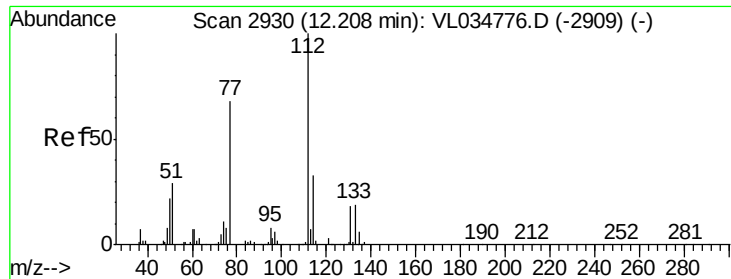


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





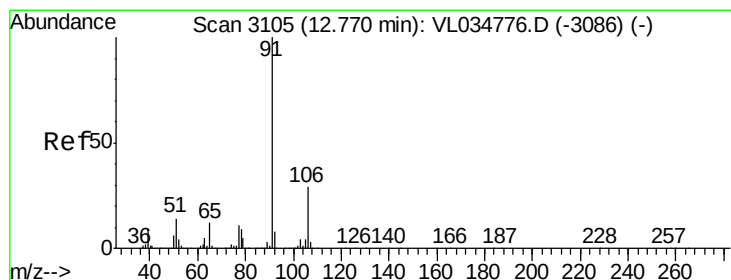
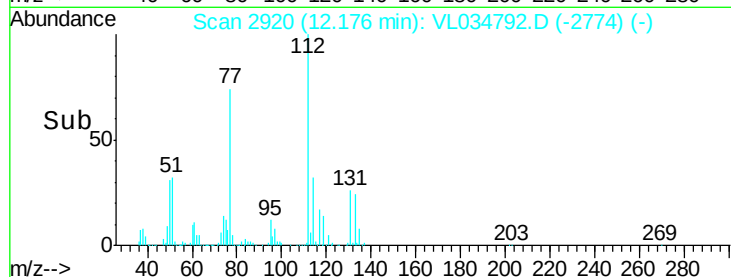
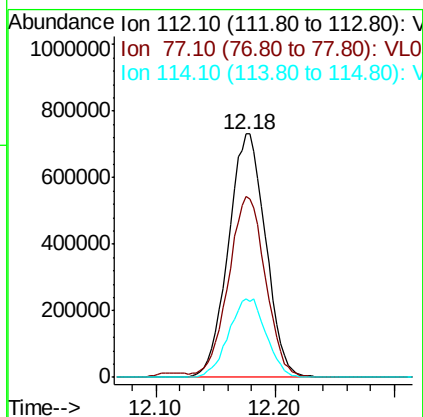
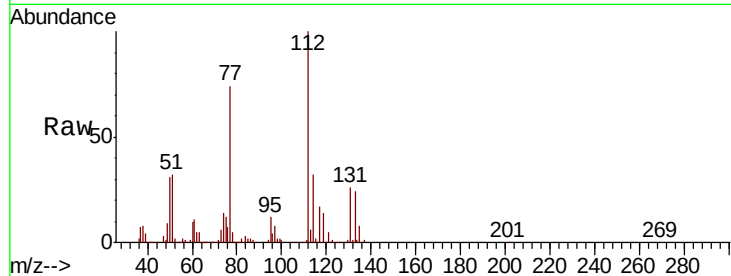
#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.2	55.6	83.4
114	32.4	29.4	36.0

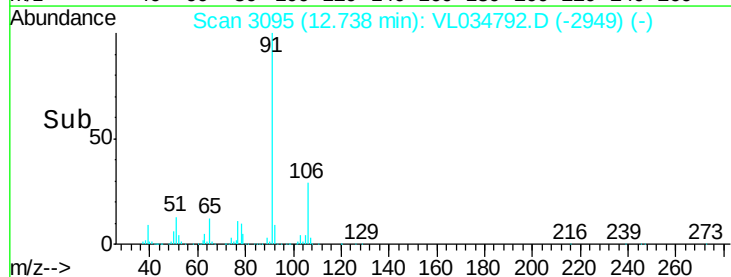
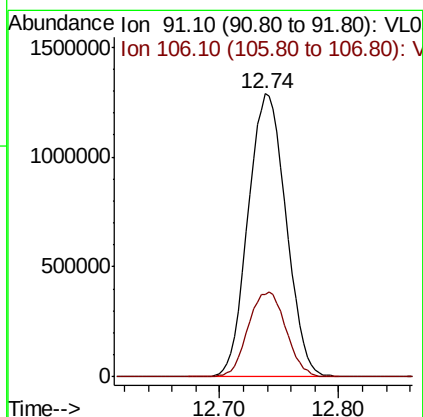
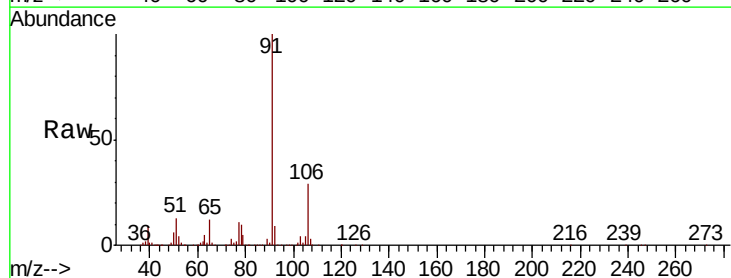
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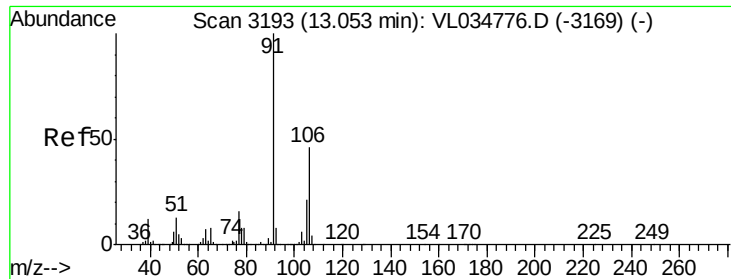
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3/9/2020 9:18:34 AM



#58
Ethyl Benzene
Concen: 10.557 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	22.8	34.2





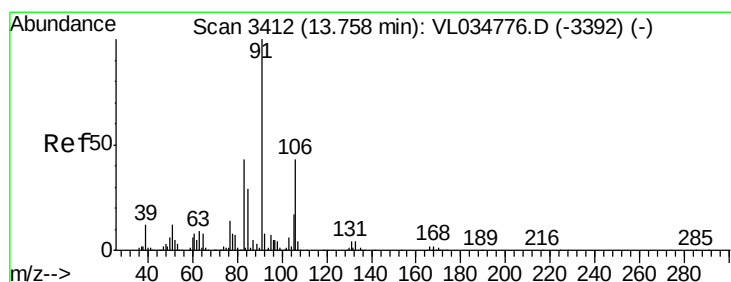
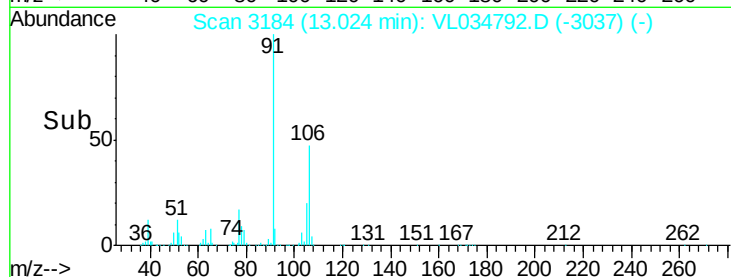
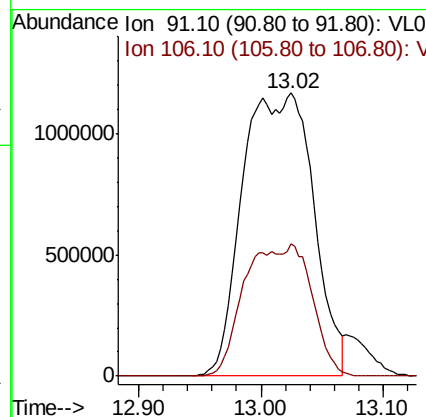
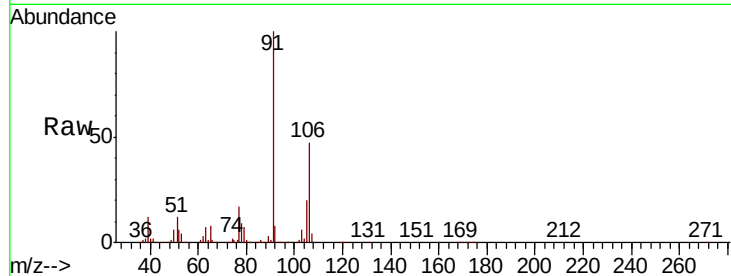
#59
m/p-Xylene
Concen: 20.217 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion: 91 Resp: 4710022
Ion Ratio Lower Upper
91 100
106 44.4 35.8 53.8

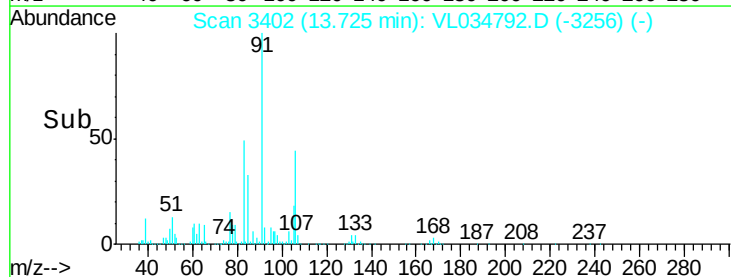
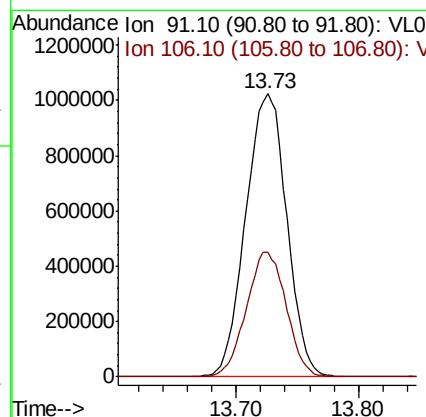
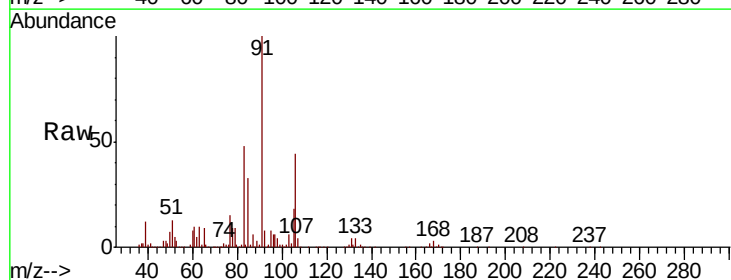
Manual Integrations
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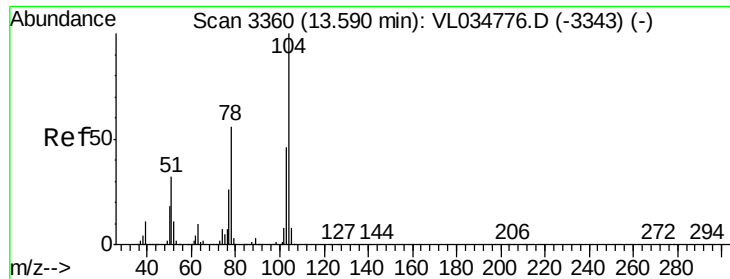
MMDadoda
3/9/2020 9:18:34 AM



#60
o-Xylene
Concen: 10.076 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion: 91 Resp: 2374934
Ion Ratio Lower Upper
91 100
106 42.8 21.7 65.1





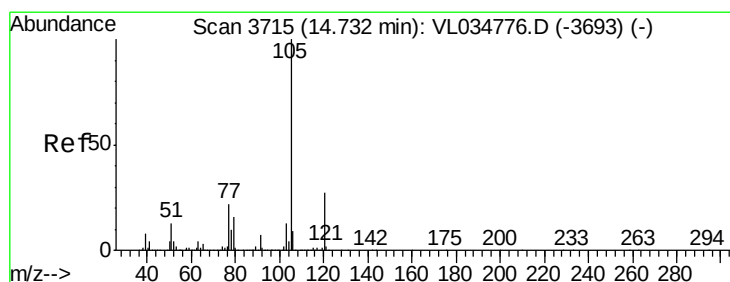
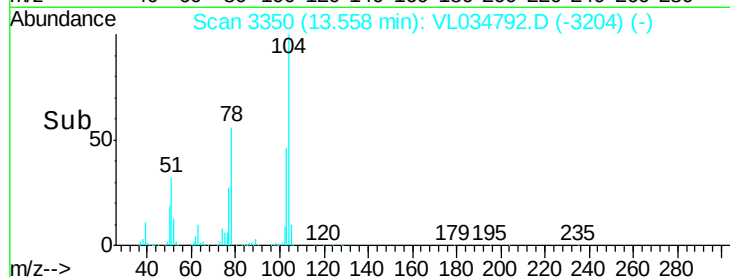
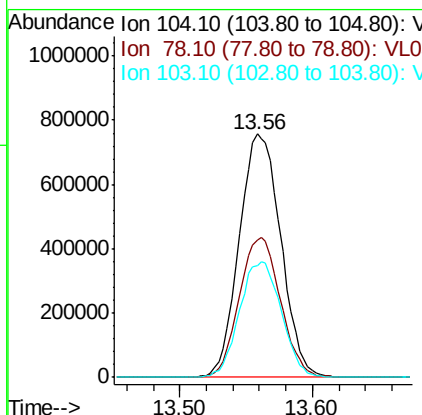
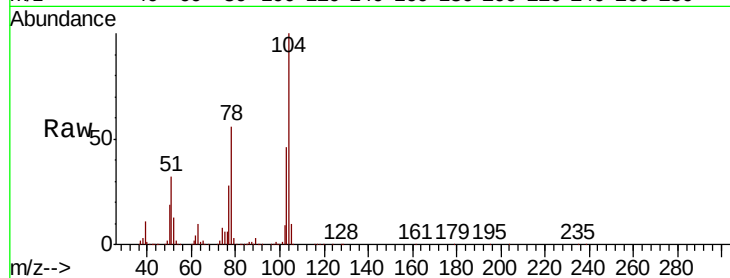
#61
Stvrene
Concen: 11.265 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.3	44.7	67.1
103	48.0	38.2	57.2

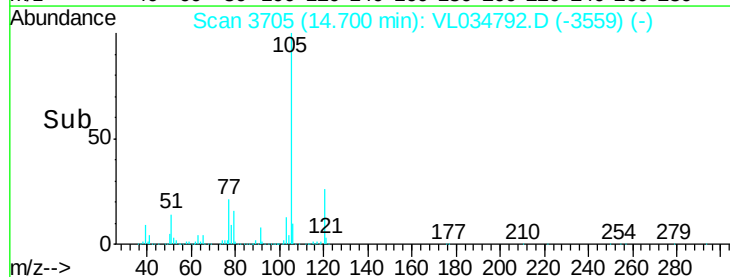
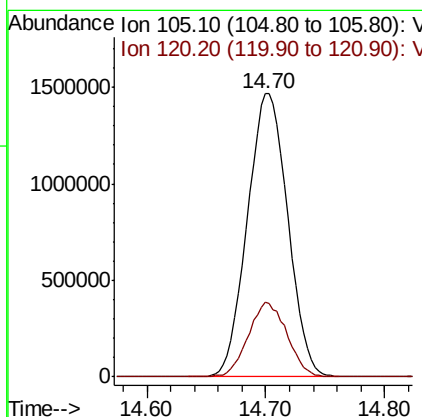
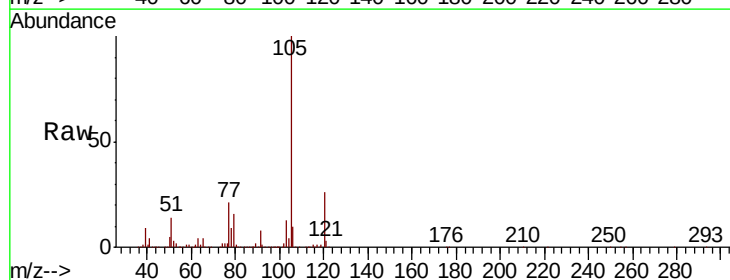
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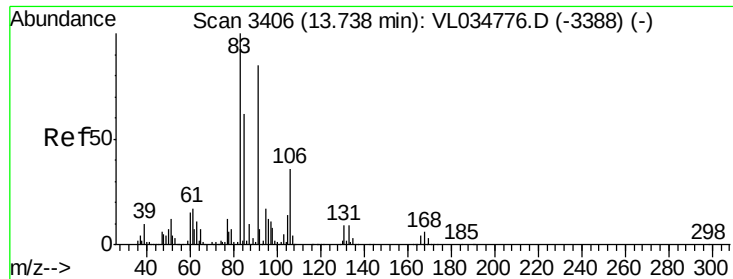
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3/9/2020 9:18:34 AM



#62
Isopropylbenzene
Concen: 9.934 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.5	30.7





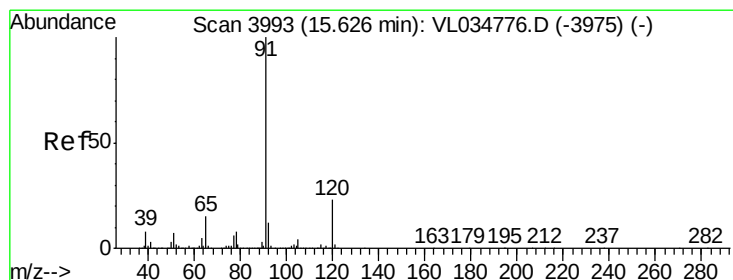
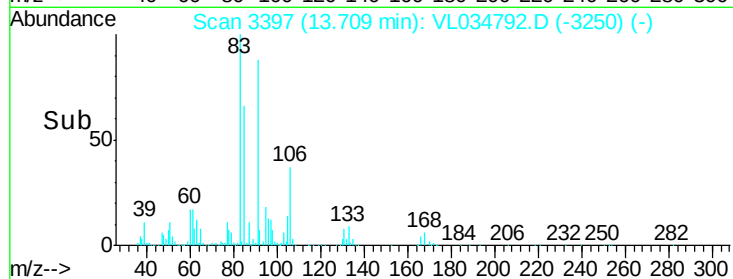
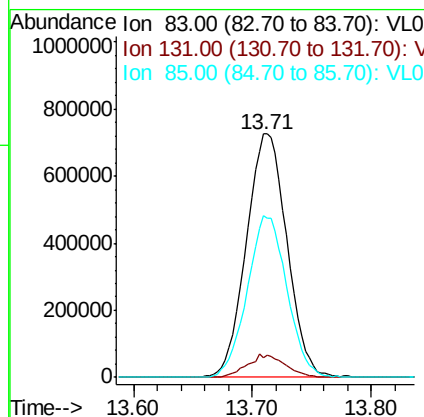
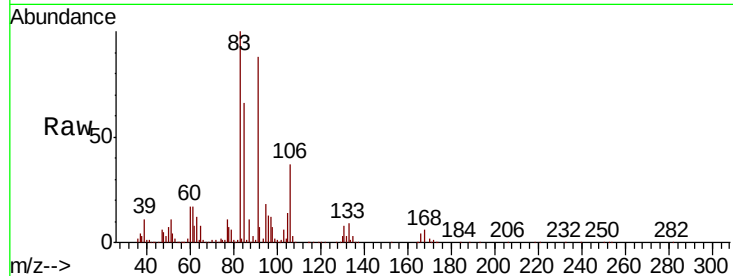
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.238 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	83	Resp	1716489
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.0
85	64.8	32.9	98.7

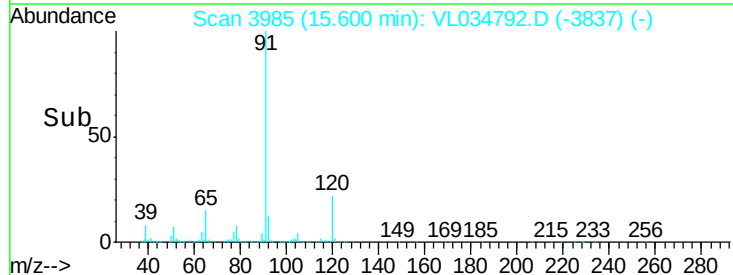
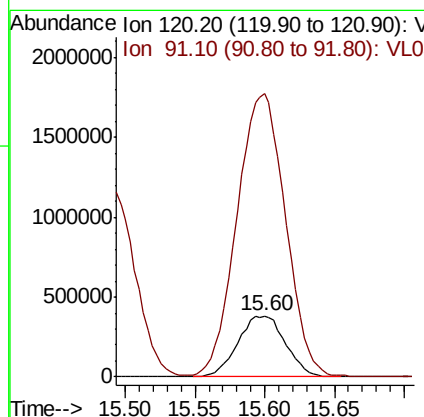
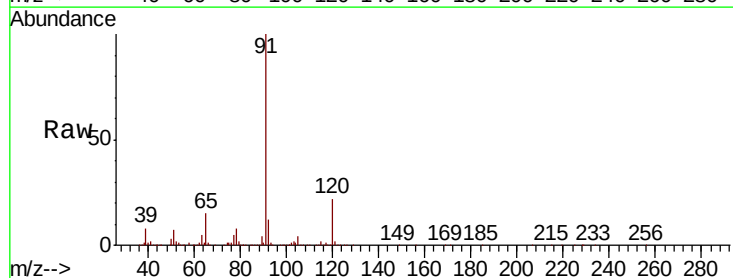
Manual Integrations
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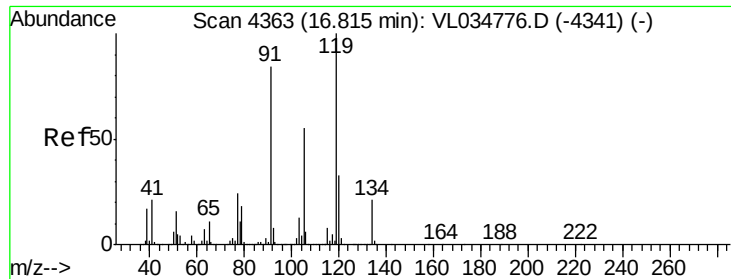
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.380 ppbv m
 RT: 15.60 min Scan# 3985
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	120	Resp	902871
Ion Ratio	Lower	Upper	
120	100		
91	477.1	379.4	569.2





#65

tert-Butylbenzene

Concen: 10.252 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampled :

VL0305ABS01

Tot Ion:119 Resp: 3005661

Ion Ratio Lower Upper

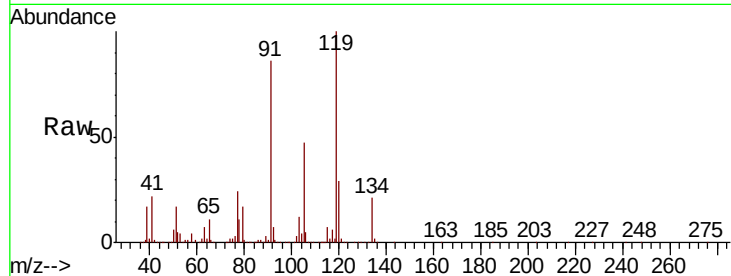
119 100

91 88.2 69.8 104.6

134 19.6 15.9 23.9

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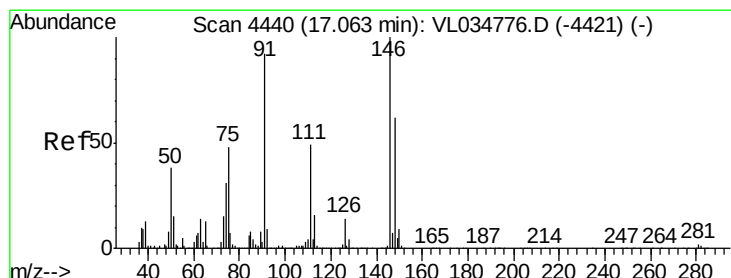
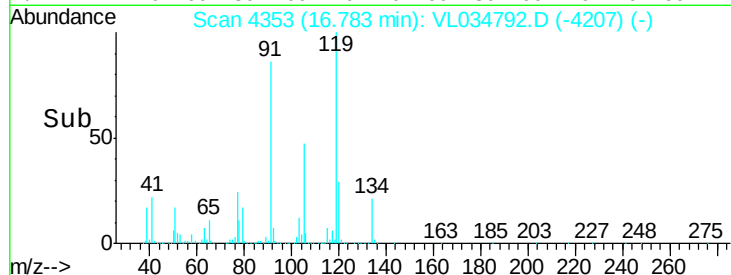
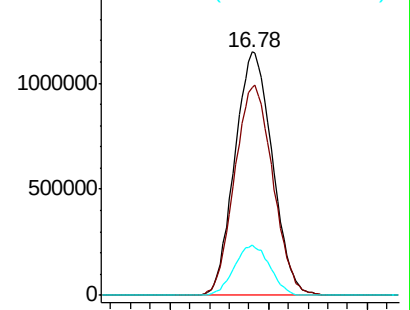
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.514 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

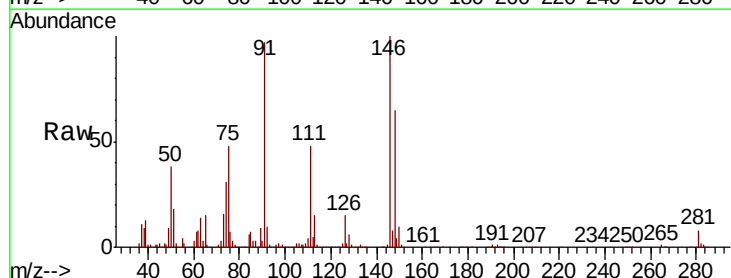
Tgt Ion: 91 Resp: 1186162

Ion Ratio Lower Upper

91 100

126 15.4 12.6 18.8

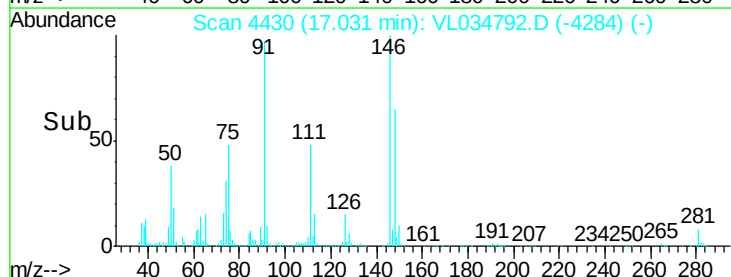
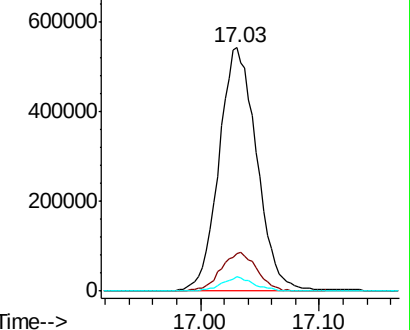
128 5.1 4.3 6.5

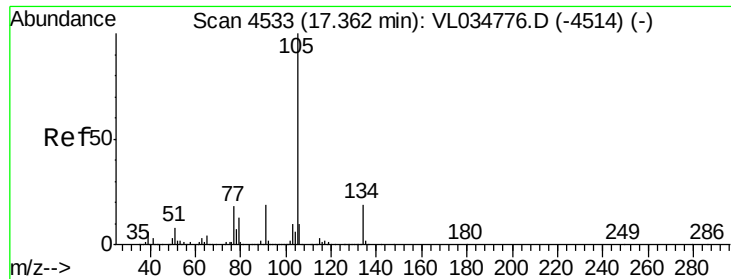


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.125 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 105 Resp: 4325601

Ion Ratio Lower Upper

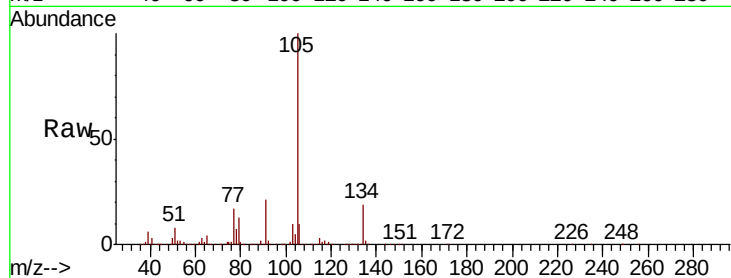
105 100

134 18.2 14.7 22.1

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Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V

17.33

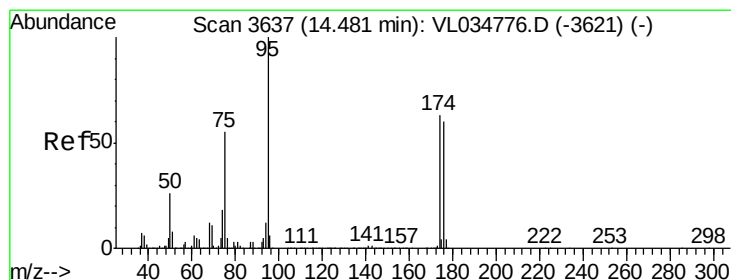
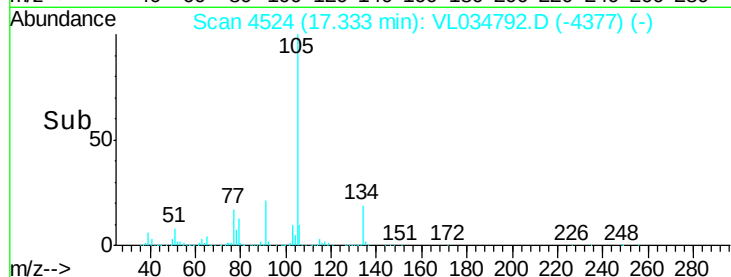
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.192 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

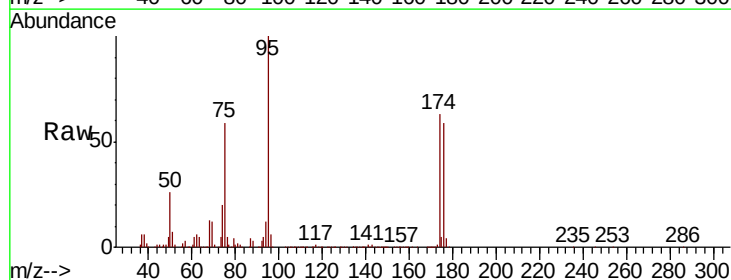
Tgt Ion: 95 Resp: 1855891

Ion Ratio Lower Upper

95 100

174 63.2 50.6 76.0

175 4.6 3.8 5.6



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

14.45

1000000

800000

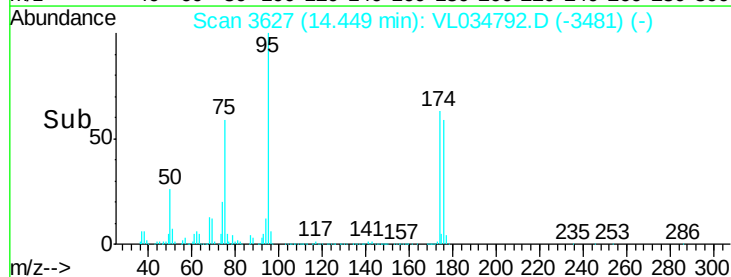
600000

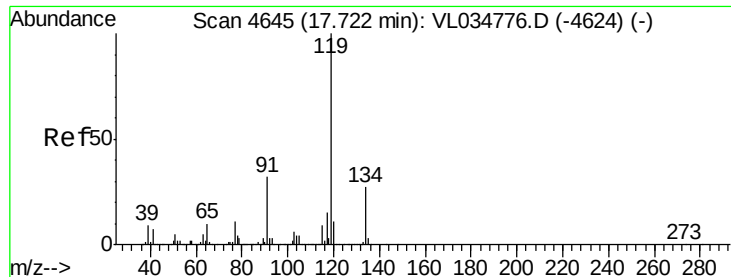
400000

200000

0

Time--> 14.40 14.50





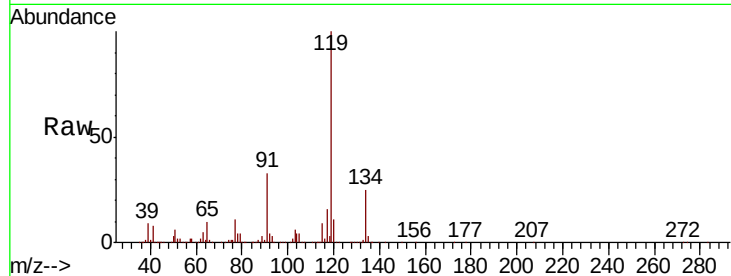
#69
 p-Isopropyltoluene
 Concen: 10.349 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

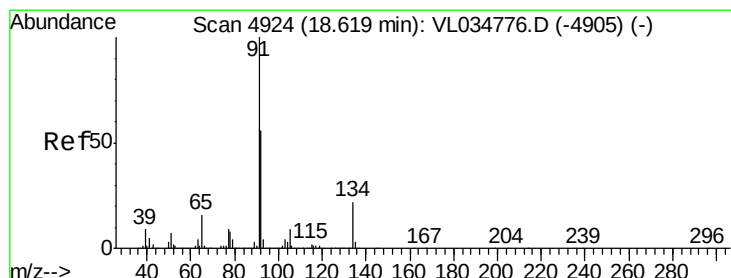
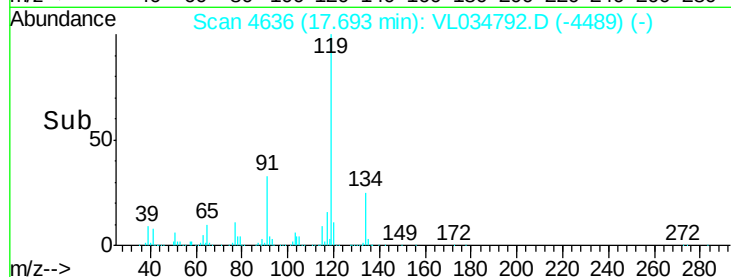
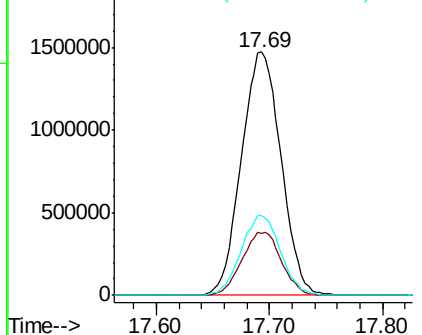
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	30.8
91	32.6	25.3	37.9

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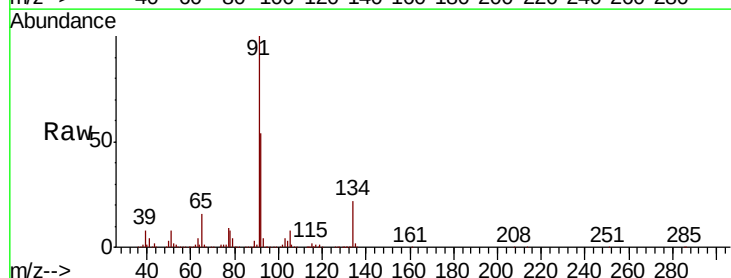


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

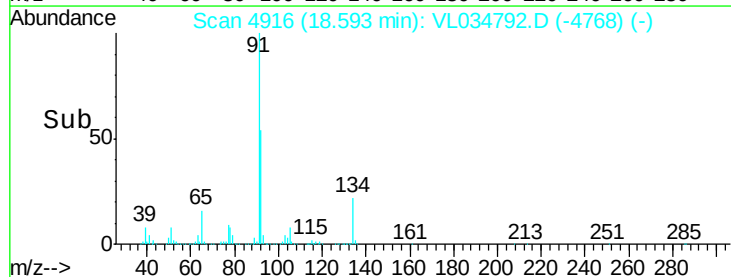
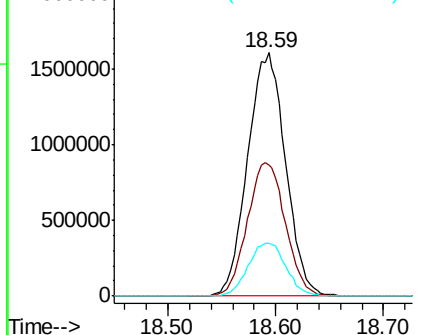


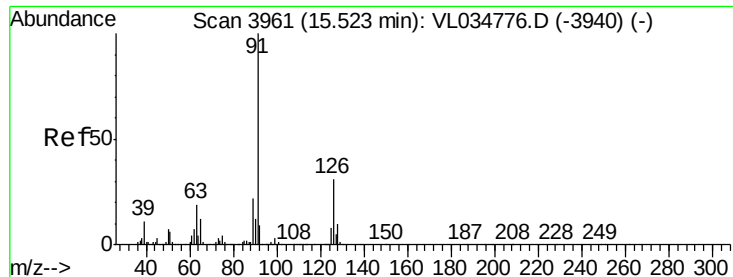
#70
 n-Butylbenzene
 Concen: 10.365 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	21.7	17.7	26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.319 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABS01

Tot Ion: 91 Resp: 2703652

Ion Ratio Lower Upper

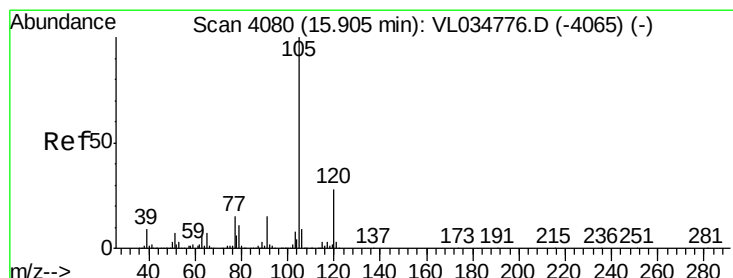
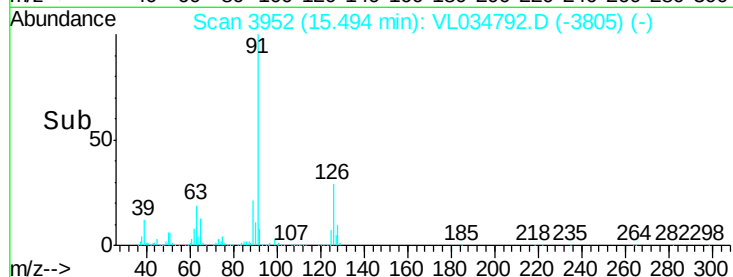
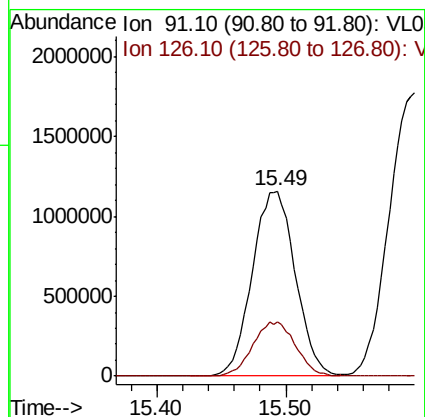
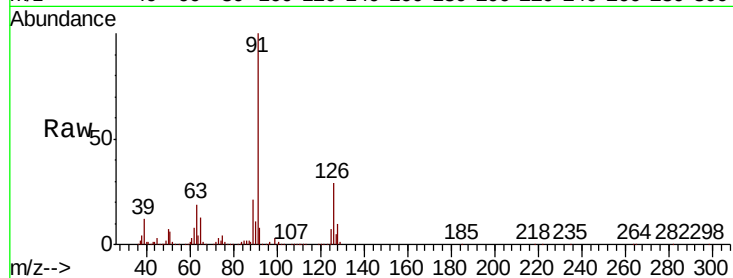
91 100

126 29.0 11.7 46.7

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3/9/2020 9:18:34 AM



#72

4-Ethyltoluene

Concen: 10.652 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.03 min

Lab File: VL034792.D

Acq: 5 Mar 2020 11:51

Tgt Ion: 105 Resp: 2795645

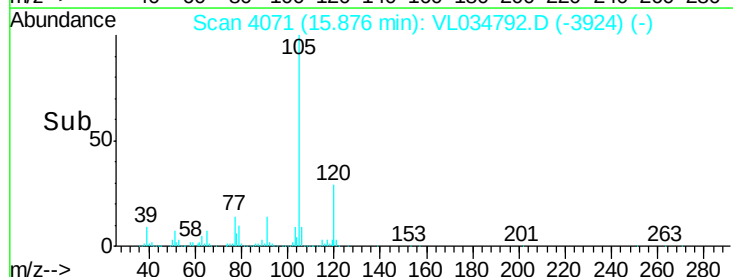
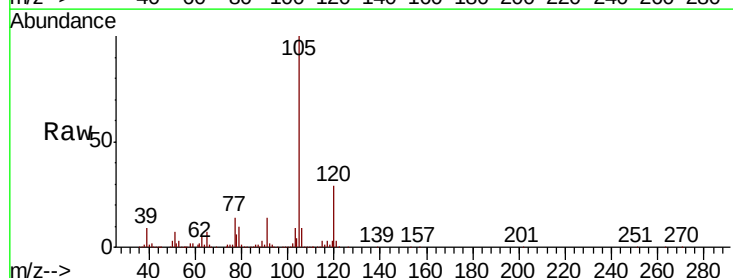
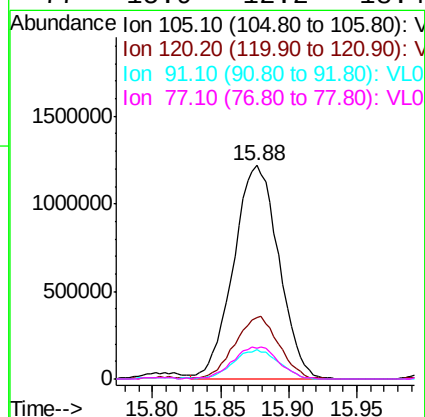
Ion Ratio Lower Upper

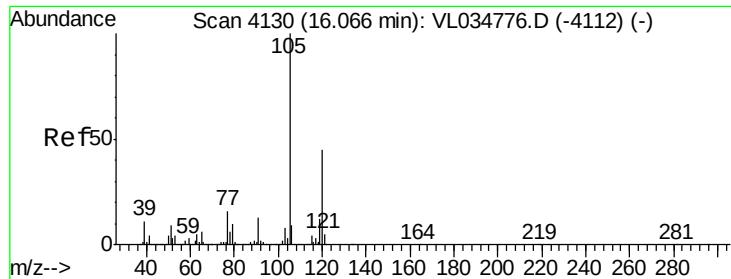
105 100

120 28.8 23.0 34.6

91 13.8 11.1 16.7

77 15.9 12.2 18.4





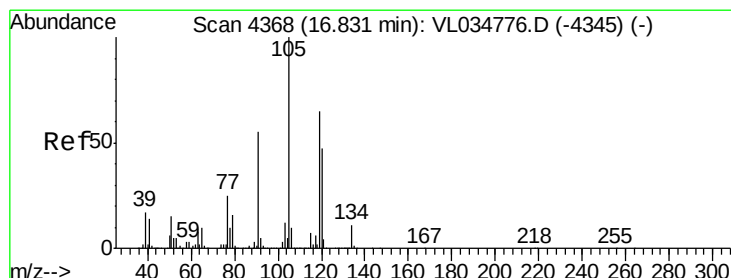
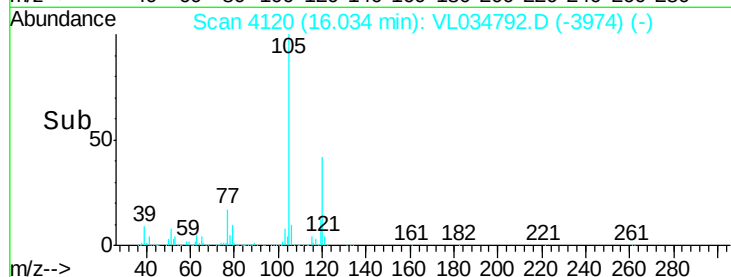
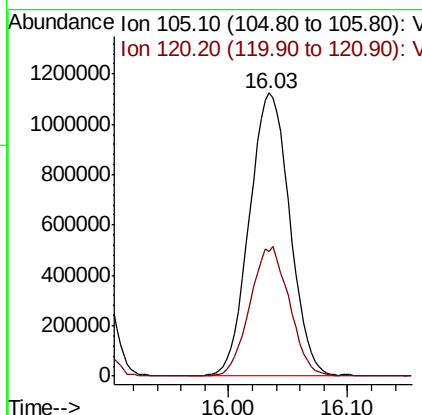
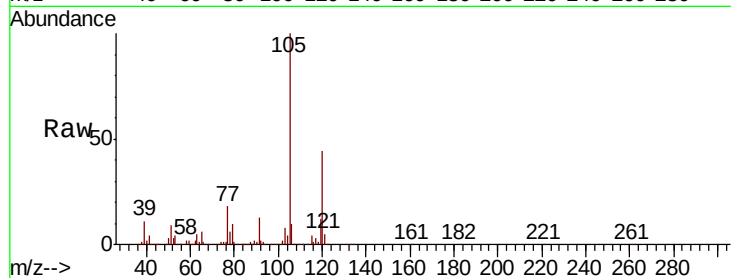
#73
 1,3,5-Trimethylbenzene
 Concen: 10.497 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion:105 Resp: 2642621
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.6 53.4

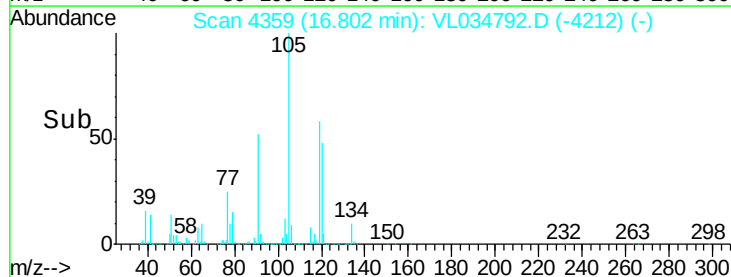
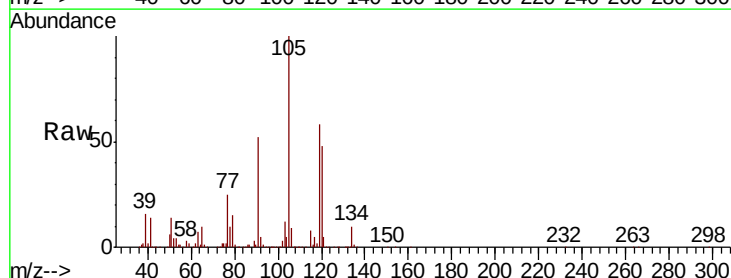
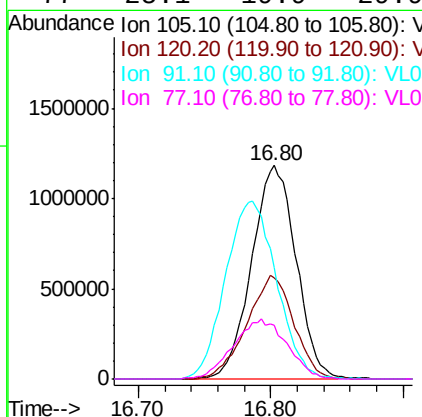
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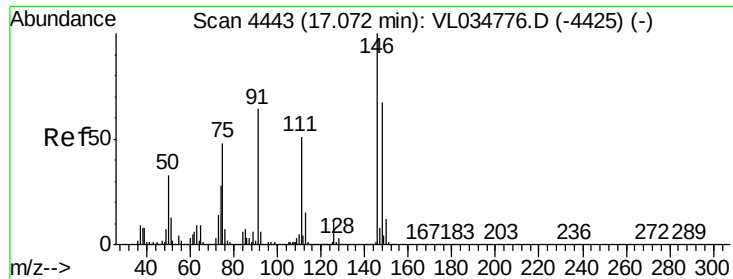
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.121 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:105 Resp: 2769691
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.6
 91 51.7 43.8 65.8
 77 25.1 19.9 29.9





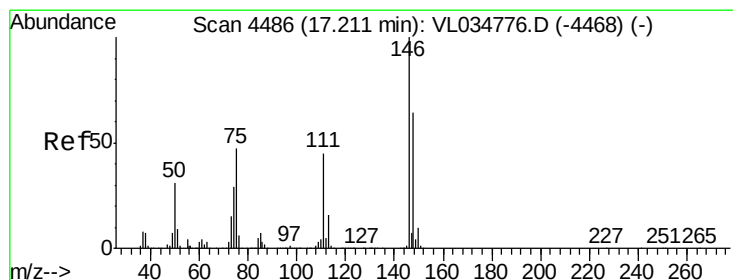
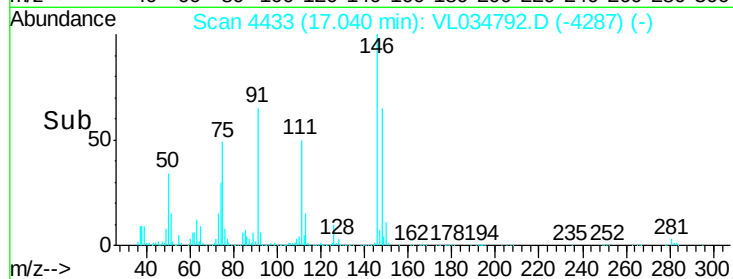
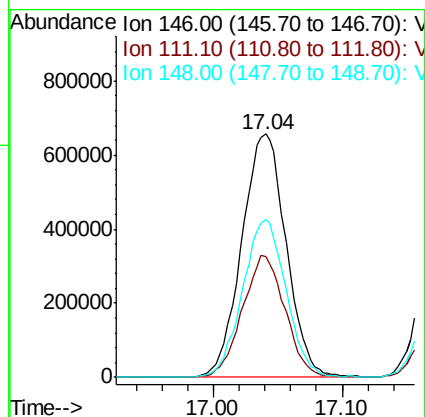
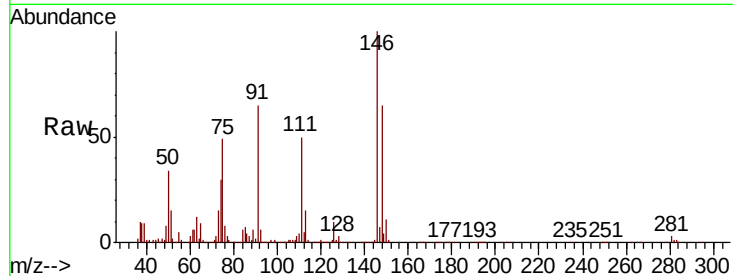
#75
 1,3-Dichlorobenzene
 Concen: 9.699 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.7	74.1
148	63.8	31.8	95.4

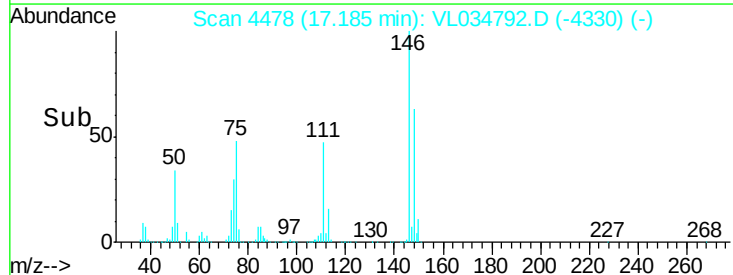
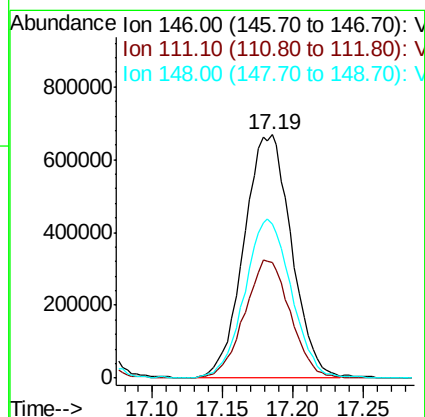
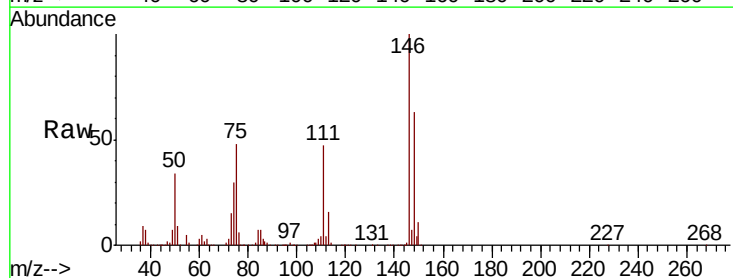
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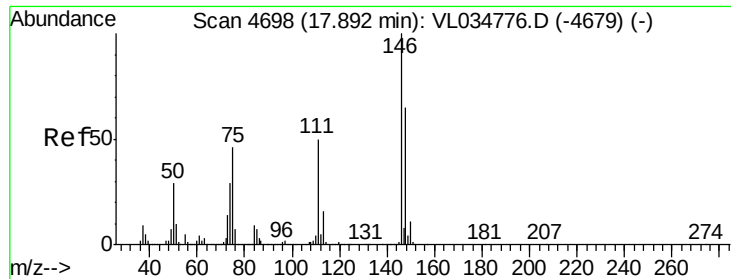
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#76
 1,4-Dichlorobenzene
 Concen: 10.073 ppbv
 RT: 17.19 min Scan# 4478
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.5	70.5
148	64.6	32.2	96.6





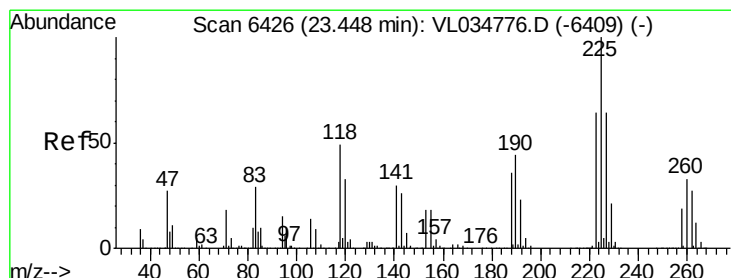
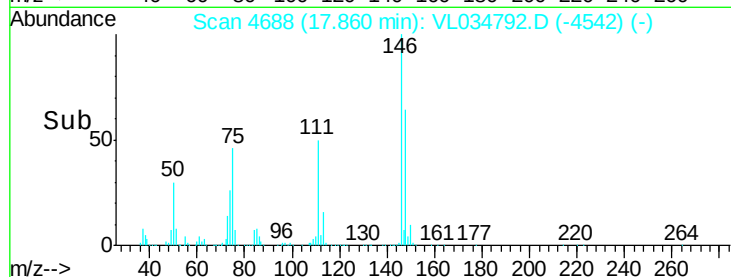
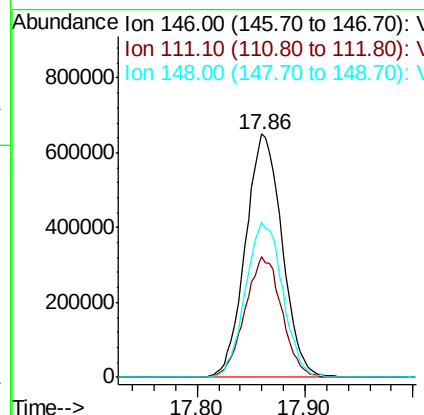
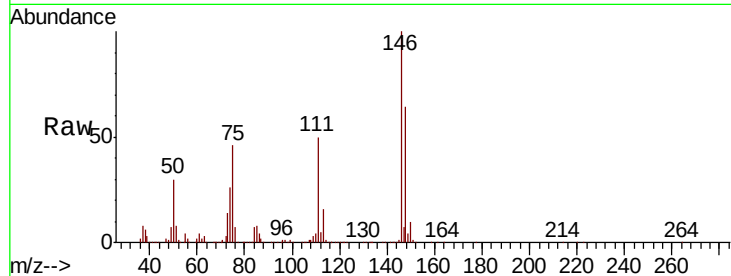
#77
 1,2-Dichlorobenzene
 Concen: 9.919 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion:146 Resp: 1537258
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.3 75.8
 148 64.8 32.3 96.9

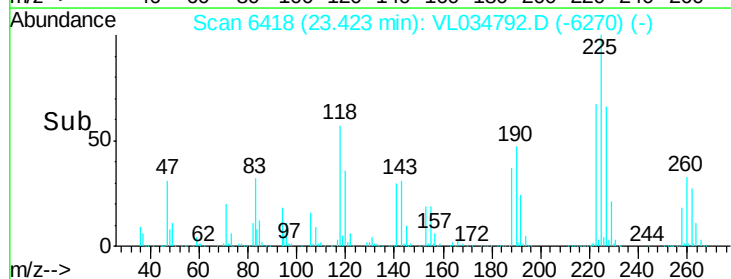
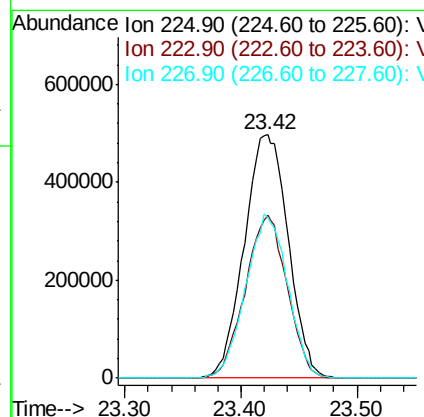
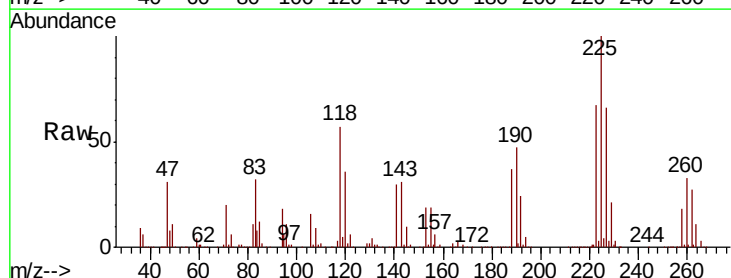
Manual Integrations
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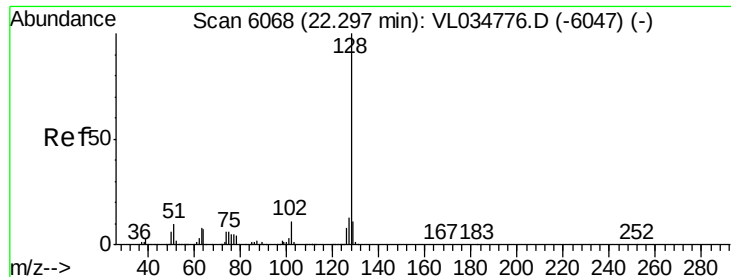
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 3/9/2020 9:18:34 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.136 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.03 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Tgt Ion:225 Resp: 1310886
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.3 76.9
 227 64.1 51.9 77.9





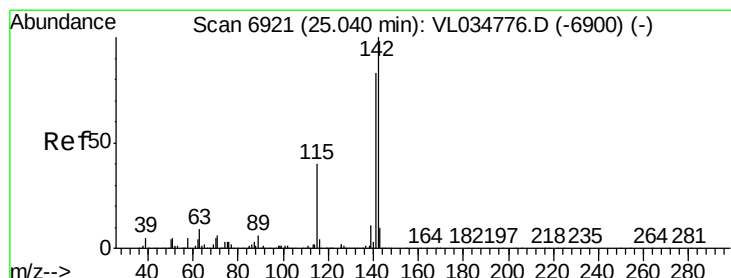
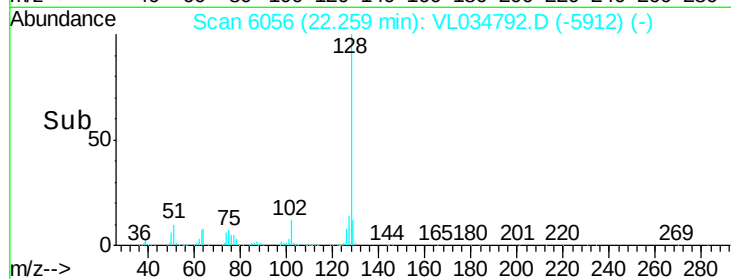
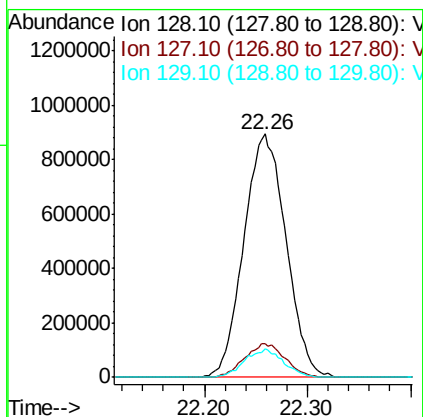
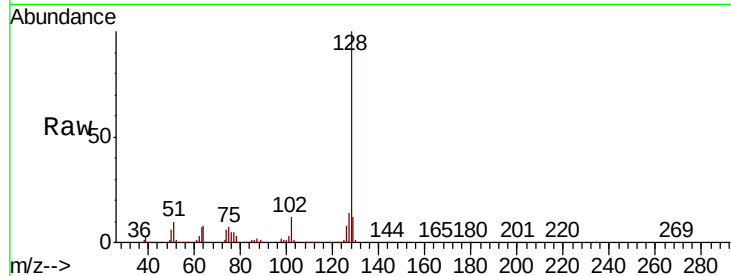
#79
Naphthalene
Concen: 12.349 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. -0.04 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.9	9.0	13.6

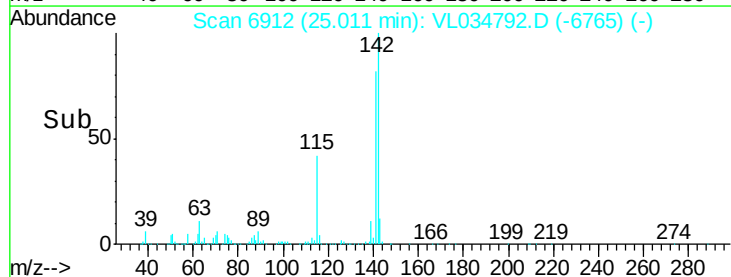
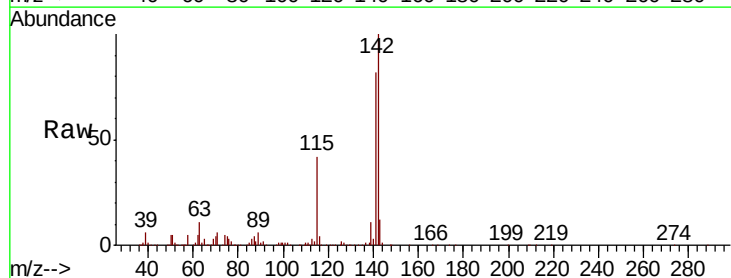
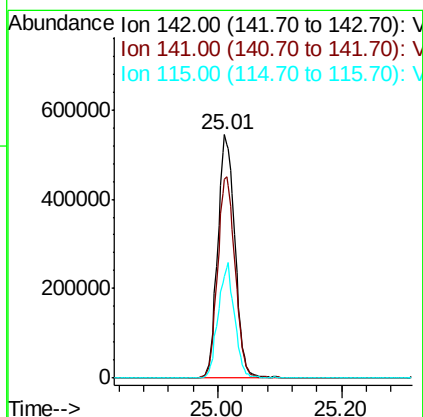
Manual Integrations
APPROVED

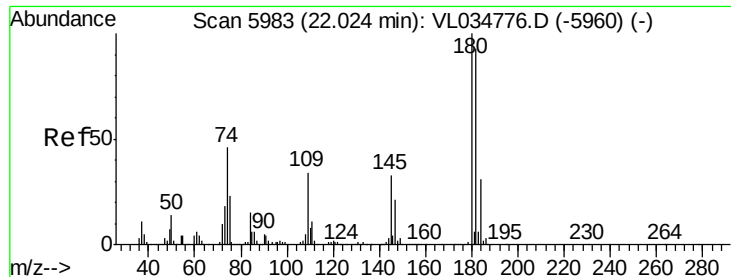
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#80
Naphthalene, 2-methyl-
Concen: 21.420 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.03 min
Lab File: VL034792.D
Acq: 5 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.7	101.5
115	44.7	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 11.220 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.04 min
 Lab File: VL034792.D
 Acq: 5 Mar 2020 11:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.8	115.2
184	30.9	24.8	37.2

Manual Integrations
 APPROVED

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