

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034678.D
 Acq On : 26 Feb 2020 3:46
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:19 PM

Quant Time: Feb 26 04:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1126776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2345739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2346943	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1927268	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	210024	1.206	ppbv	94
3) Chlorodifluoromethane	2.95	51	127807	0.937	ppbv	97
4) Chloromethane	3.11	50	71740	0.874	ppbv	99
5) Vinyl Chloride	3.22	62	69567	0.911	ppbv	98
6) Bromomethane	3.45	94	40218	1.009	ppbv	95
7) Chloroethane	3.53	64	24778m	0.882	ppbv	
8) Dichlorotetrafluoroethane	3.16	85	175401	1.002	ppbv	96
9) Propene	2.97	41	53303	0.965	ppbv	94
10) Heptane	8.13	43	135741	0.936	ppbv	98
11) Trichlorofluoromethane	3.92	101	169701	0.960	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	118070	0.969	ppbv	98
13) Ethanol	3.58	45	17014m	1.001	ppbv	
14) Bromoethene	3.71	108	48188	0.959	ppbv #	98
15) Acetone	3.83	43	141782	0.927	ppbv	97
16) 1,3-Butadiene	3.29	39	63742	0.980	ppbv	94
17) tert-Butyl alcohol	4.28	59	97204	0.836	ppbv	100
18) 1,1-Dichloroethene	4.27	96	53136	0.955	ppbv	88
19) Isopropyl Alcohol	3.96	45	69492m	0.661	ppbv	
20) Methylene Chloride	4.33	84	55408	0.989	ppbv #	75
21) Allyl Chloride	4.39	41	87199	0.936	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	49813	0.913	ppbv	93
23) Vinyl Acetate	5.06	43	172627	0.911	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	147526	0.935	ppbv	100
25) Ethyl Acetate	5.67	43	238550	0.905	ppbv	99
26) Hexane	5.68	57	109907	0.939	ppbv	99
27) Carbon Disulfide	4.53	76	119827m	0.901	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	161380	0.954	ppbv	96
29) Chloroform	5.74	83	175045	0.940	ppbv	89
30) Cyclohexane	7.14	84	81658	0.911	ppbv	92
31) cis-1,2-Dichloroethene	5.54	61	106353	0.937	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	155715	0.913	ppbv	96
34) 2-Butanone	5.24	43	149817	0.901	ppbv	99
35) Carbon Tetrachloride	7.02	117	159498	0.893	ppbv	91
36) Benzene	6.90	78	212117	0.960	ppbv #	93
37) 1,2-Dichloroethane	6.30	62	131524	0.909	ppbv	99
38) Trichloroethene	7.84	130	78864m	0.940	ppbv	
39) 1,2-Dichloropropane	7.62	63	80196	0.882	ppbv	89
40) 1,4-Dioxane	7.87	88	26366m	0.776	ppbv	
41) Tetrahydrofuran	6.06	42	78064	0.897	ppbv	98
42) Bromodichloromethane	7.80	83	175598	0.936	ppbv	93
43) Methyl Methacrylate	8.03	69	78939	0.911	ppbv	91

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Manual Integrations
 APPROVED

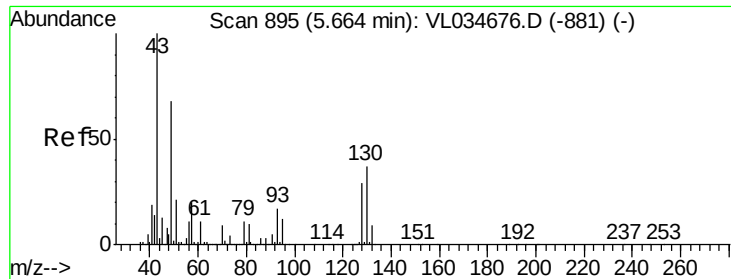
MMDadoda
 2/27/2020 5:19:19 PM

Quant Time: Feb 26 04:32:03 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	378872	0.954	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	82854	0.817	ppbv	93
46) cis-1,3-Dichloropropene	8.72	75	103280	0.871	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	89220	0.928	ppbv	93
48) Dibromochloromethane	10.33	129	127984	0.867	ppbv	97
49) Bromoform	13.08	173	109410	0.848	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	213897	0.905	ppbv	100
51) 2-Hexanone	10.16	43	158343	0.850	ppbv #	98
52) Tetrachloroethene	11.25	164	72109	0.925	ppbv	84
53) Toluene	9.82	91	216198	0.910	ppbv	99
54) 1,2-Dibromoethane	10.63	107	126742	0.947	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	103001m	1.004	ppbv	
57) Chlorobenzene	12.18	112	192776	0.994	ppbv #	93
58) Ethyl Benzene	12.74	91	299365	0.959	ppbv	98
59) m/p-Xylene	13.00	91	538871m	1.967	ppbv	
60) o-Xylene	13.73	91	266911	0.975	ppbv	95
61) Styrene	13.56	104	158778	0.849	ppbv	99
62) Isopropylbenzene	14.70	105	391165	1.079	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	197037m	0.907	ppbv	
64) n-propylbenzene	15.60	120	94116m	1.023	ppbv	
65) tert-Butylbenzene	16.78	119	339422m	1.074	ppbv	
66) Benzyl Chloride	17.03	91	101497m	0.832	ppbv	
67) sec-Butylbenzene	17.33	105	494018	1.094	ppbv	97
69) p-Isopropyltoluene	17.69	119	397304	1.107	ppbv	98
70) n-Butylbenzene	18.59	91	436057m	1.136	ppbv	
71) 2-Chlorotoluene	15.49	91	299543	1.078	ppbv	95
72) 4-Ethyltoluene	15.88	105	285619	0.946	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	277967	0.971	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	330464	1.071	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	183004	1.010	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	181015	1.012	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	179249m	1.027	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	154923m	1.084	ppbv	
79) Naphthalene	22.26	128	262315m	1.117	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	64098	1.295	ppbv	97
81) 1,2,4-Trichlorobenzene	21.99	180	158653m	1.106	ppbv	

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



#1

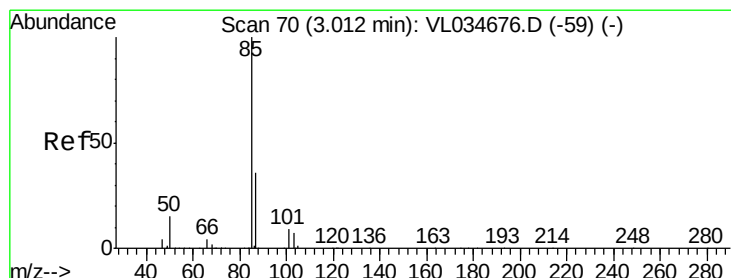
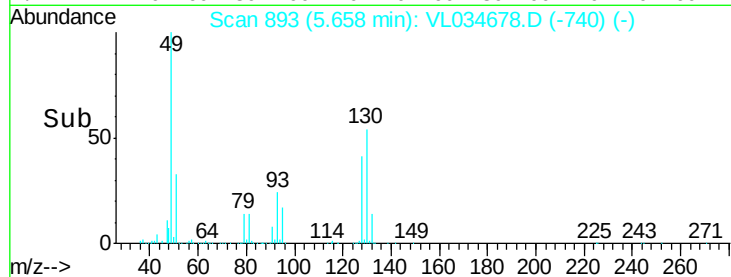
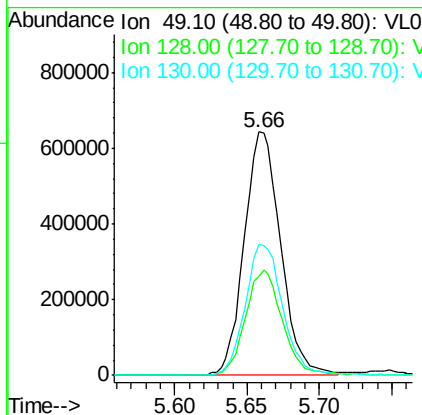
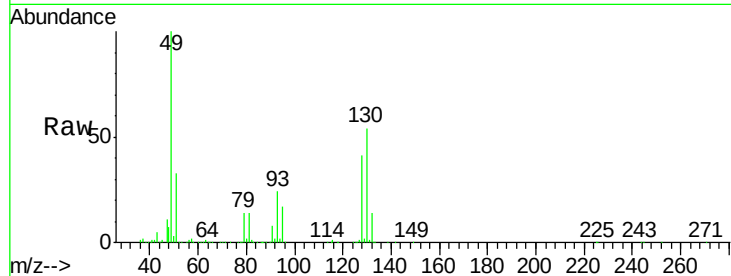
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

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VSTDIC001

Tot Ion: 49 Resp: 1126776
Ion Ratio Lower Upper
49 100
128 43.9 21.6 65.0
130 55.9 27.7 83.1

Manual Integrations
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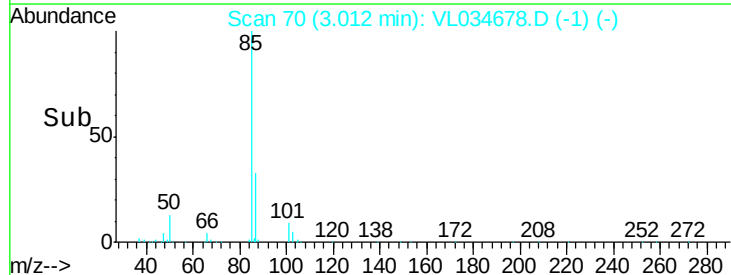
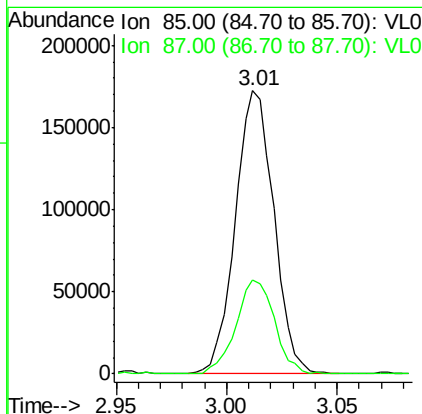
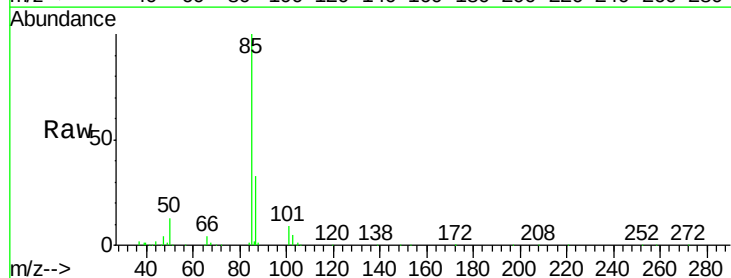
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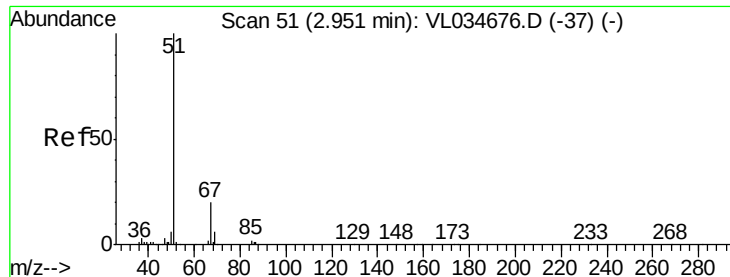


#2

Dichlorodifluoromethane
Concen: 1.206 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 85 Resp: 210024
Ion Ratio Lower Upper
85 100
87 33.1 29.2 43.8





#3

Chlorodifluoromethane

Concen: 0.937 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tot Ion: 51 Resp: 127807

Ion Ratio Lower Upper

51 100

67 18.2 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

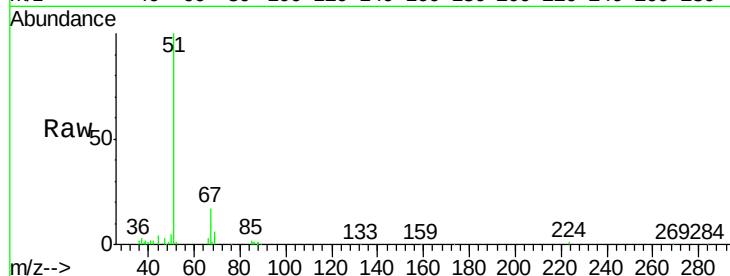
VSTDIC001

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

120000

100000

80000

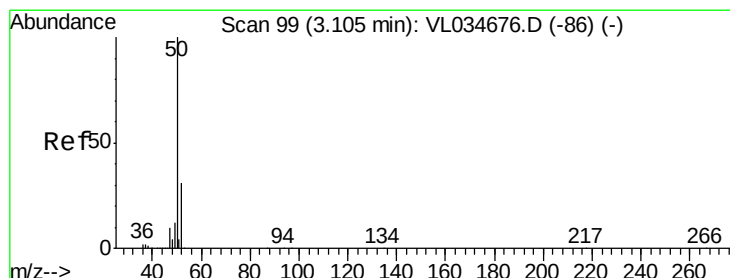
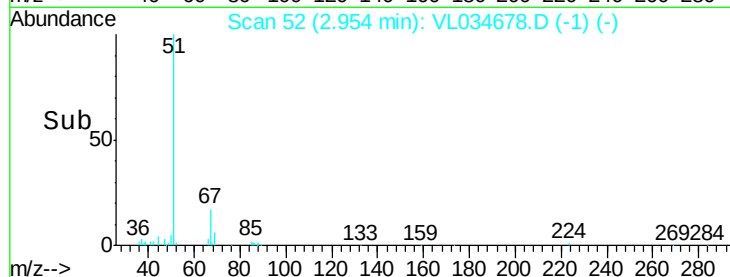
60000

40000

20000

0

Time--> 2.85 2.90 2.95 3.00



#4

Chloromethane

Concen: 0.874 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034678.D

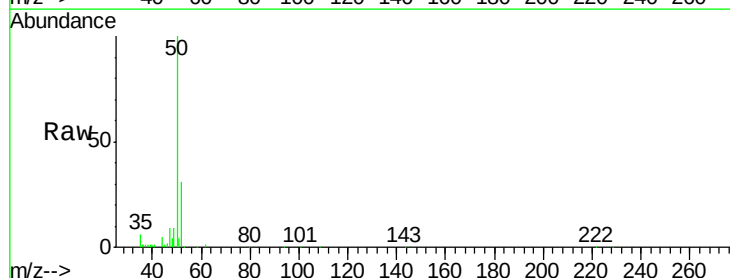
Acq: 26 Feb 2020 3:46

Tgt Ion: 50 Resp: 71740

Ion Ratio Lower Upper

50 100

52 30.5 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

60000

50000

40000

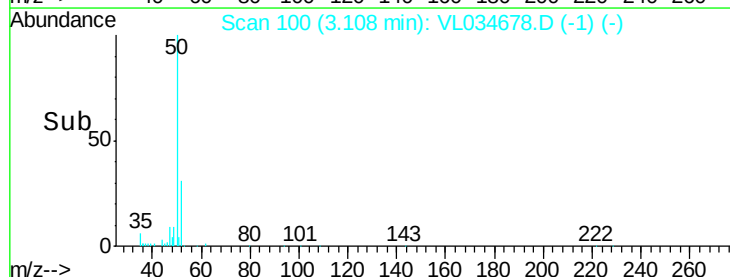
30000

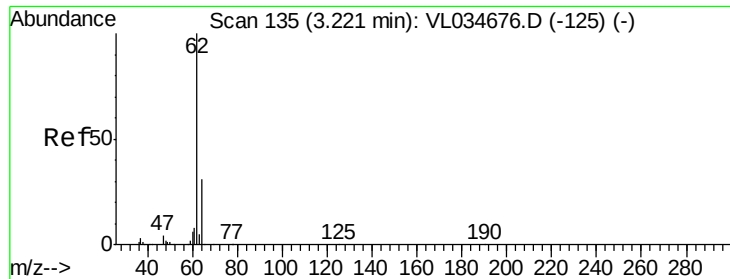
20000

10000

0

Time--> 3.05 3.10 3.15





#5

Vinyl Chloride

Concen: 0.911 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 69567

Ion Ratio Lower Upper

62 100

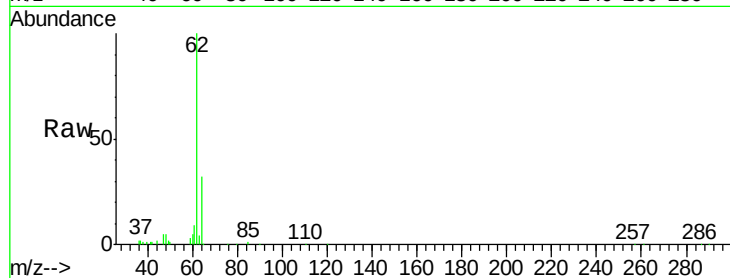
64 32.2 24.7 37.1

Manual Integrations

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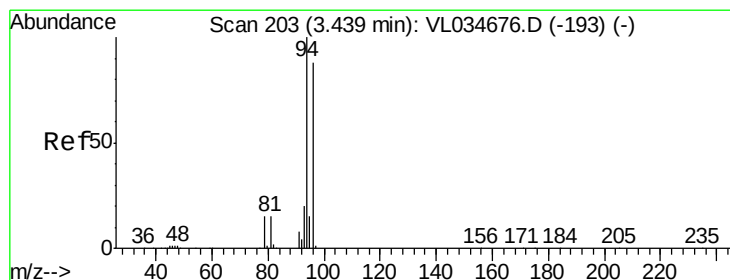
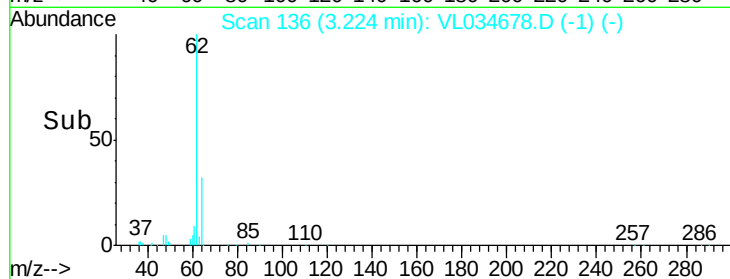
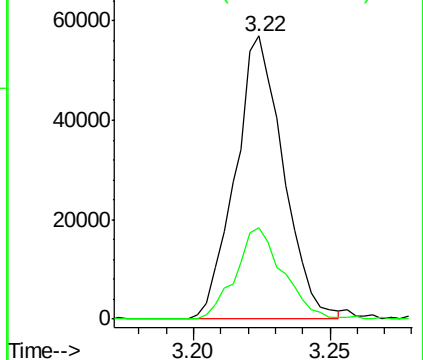
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.009 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034678.D

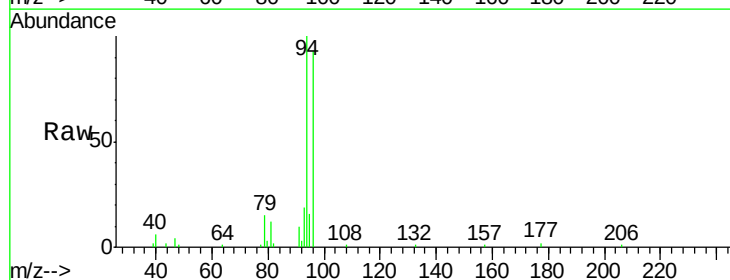
Acq: 26 Feb 2020 3:46

Tgt Ion: 94 Resp: 40218

Ion Ratio Lower Upper

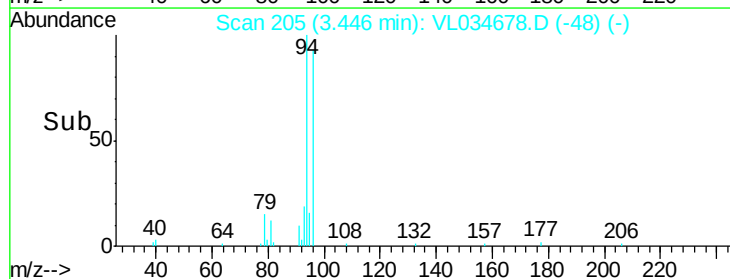
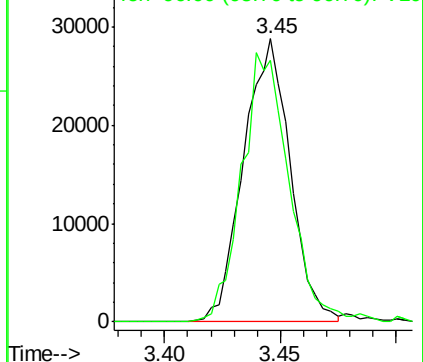
94 100

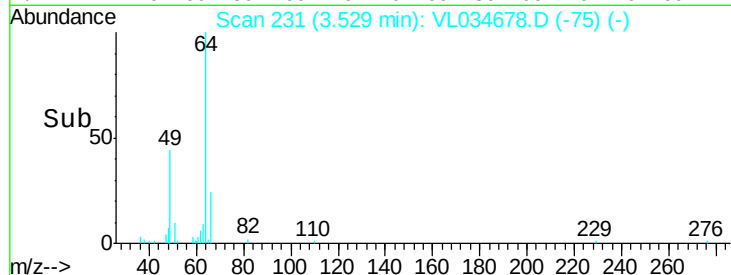
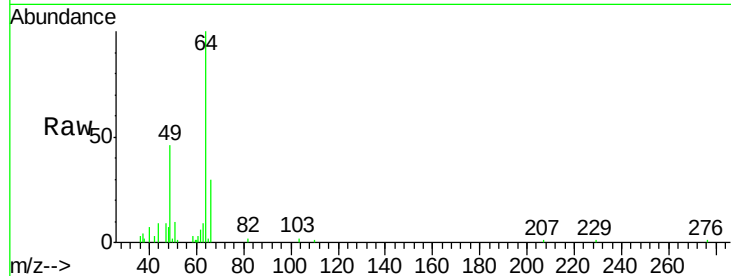
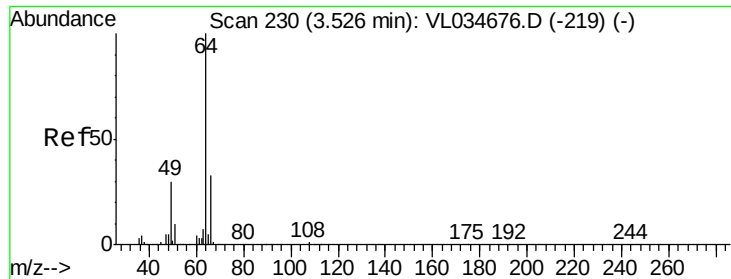
96 92.6 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.882 ppbv m

RT: 3.53 min Scan# 231

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tot Ion: 64 Resp: 24778

Ion Ratio Lower Upper

64 100

66 30.2 26.7 40.1

Instrument :

MSVOA_L

ClientSampleId :

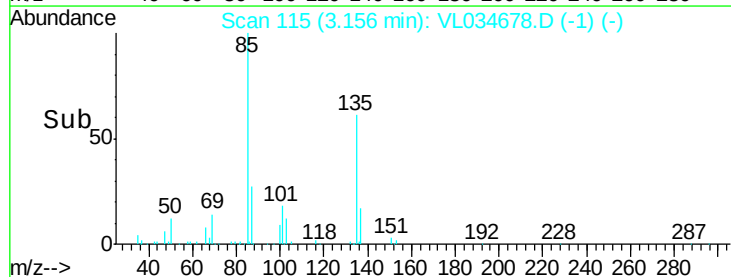
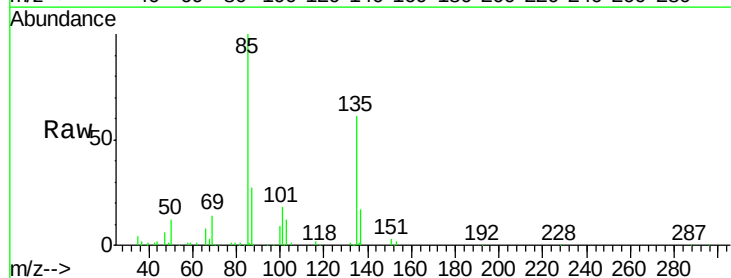
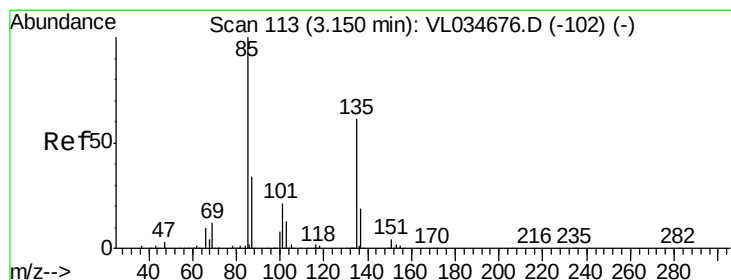
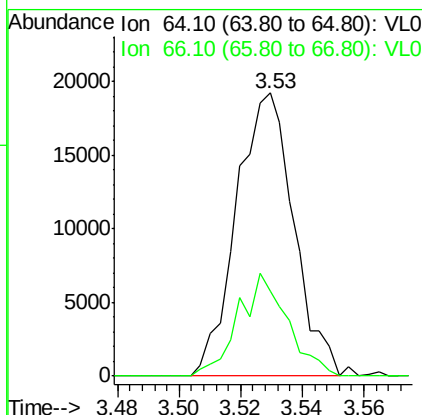
VSTDIC001

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#8

Dichlorotetrafluoroethane

Concen: 1.002 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034678.D

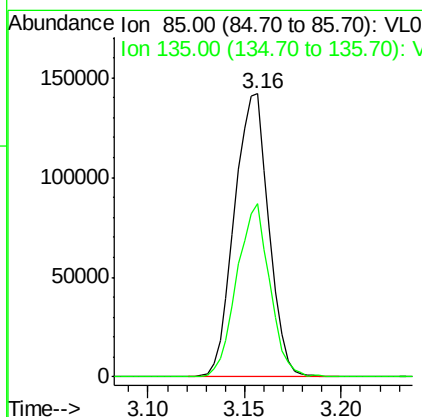
Acq: 26 Feb 2020 3:46

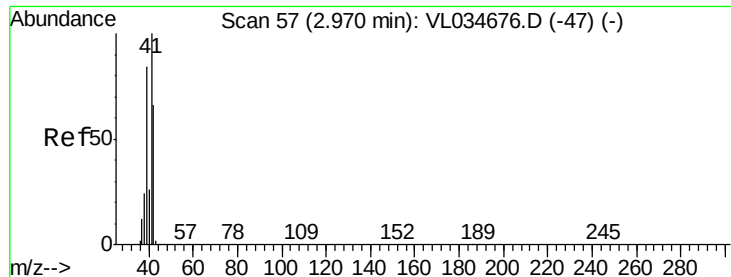
Tgt Ion: 85 Resp: 175401

Ion Ratio Lower Upper

85 100

135 58.8 49.8 74.6





#9

Propene

Concen: 0.965 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 53303

Ion Ratio Lower Upper

41 100

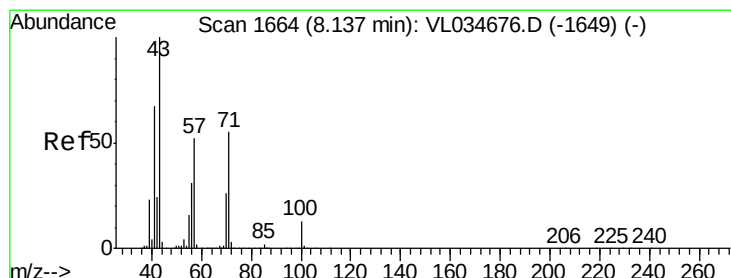
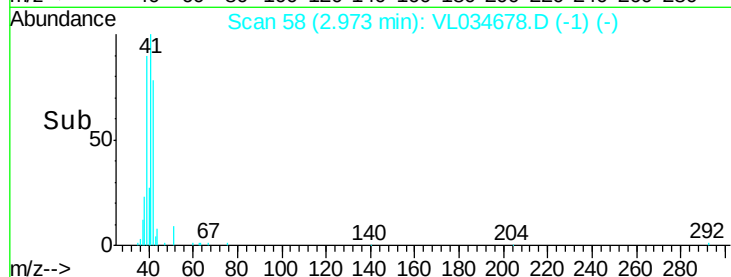
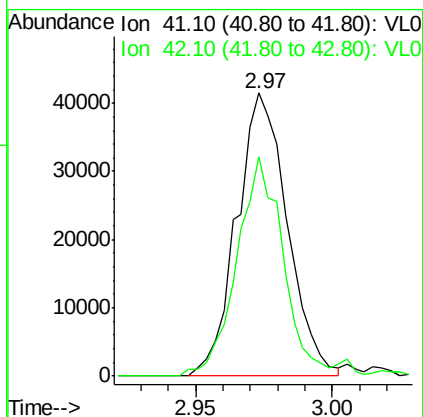
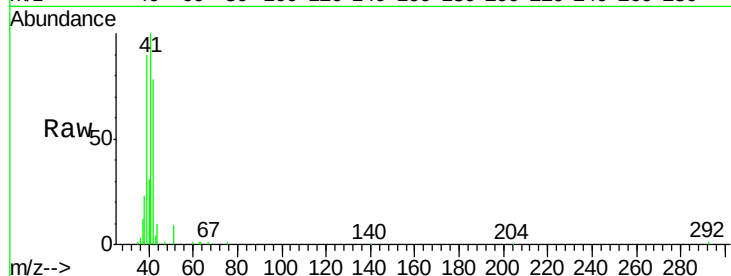
42 73.3 54.9 82.3

Manual Integrations

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#10

Heptane

Concen: 0.936 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034678.D

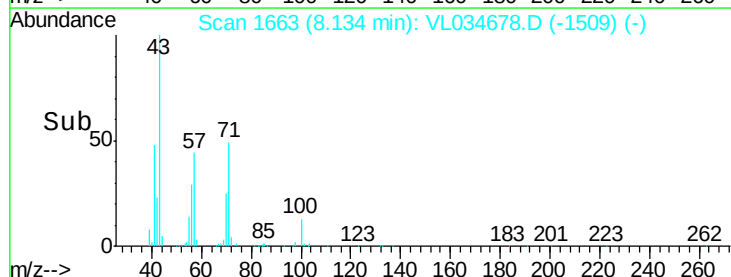
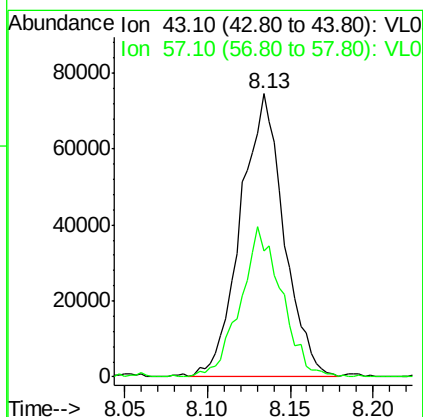
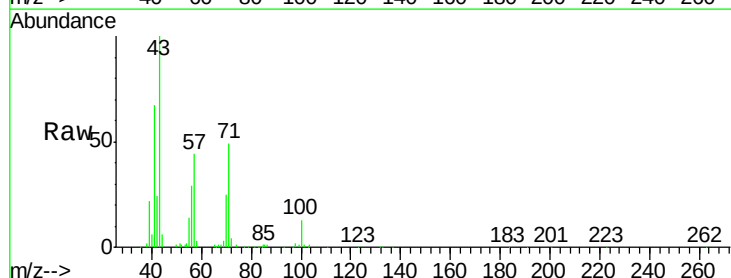
Acq: 26 Feb 2020 3:46

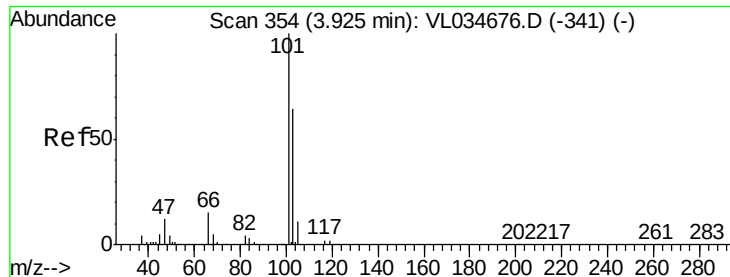
Tgt Ion: 43 Resp: 135741

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.960 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 169701

Ion Ratio Lower Upper

101 100

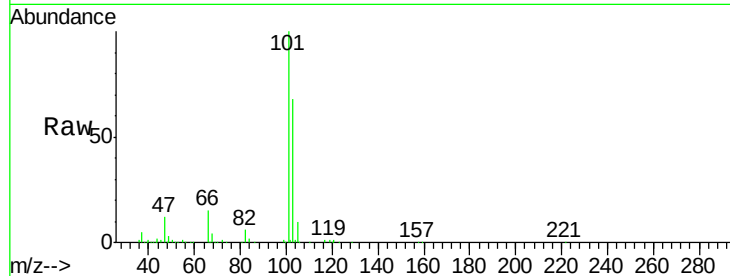
103 68.2 51.2 76.8

Manual Integrations

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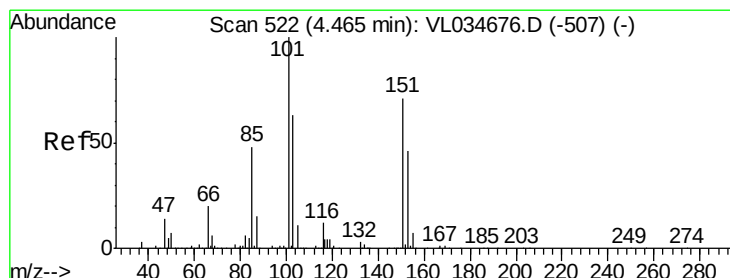
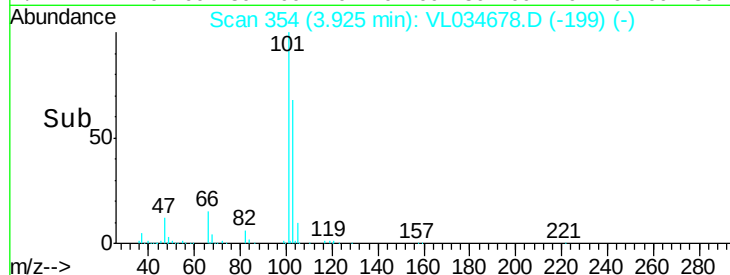
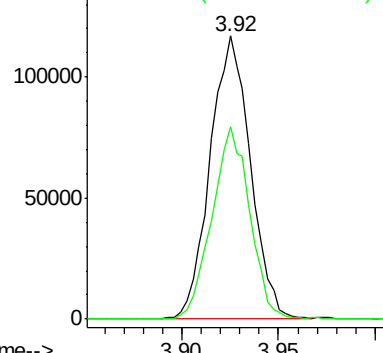
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.969 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034678.D

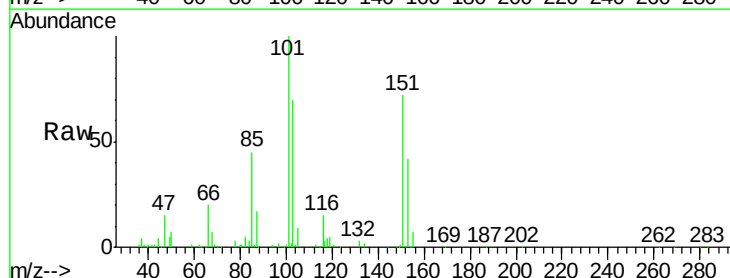
Acq: 26 Feb 2020 3:46

Tgt Ion:101 Resp: 118070

Ion Ratio Lower Upper

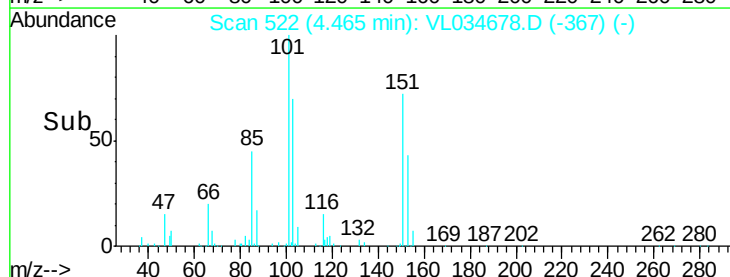
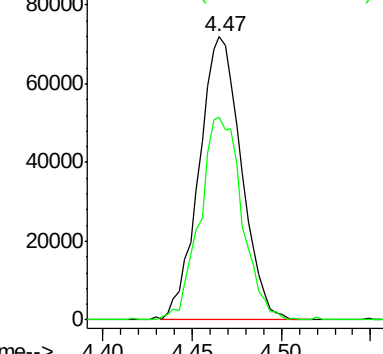
101 100

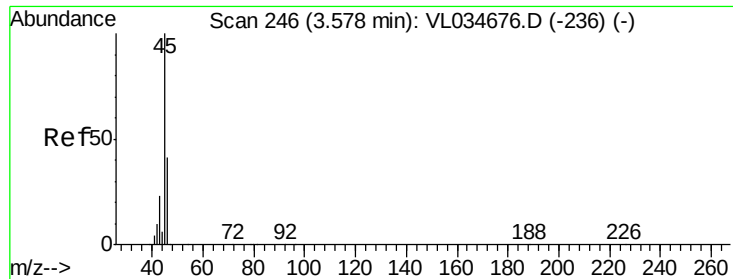
151 71.3 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





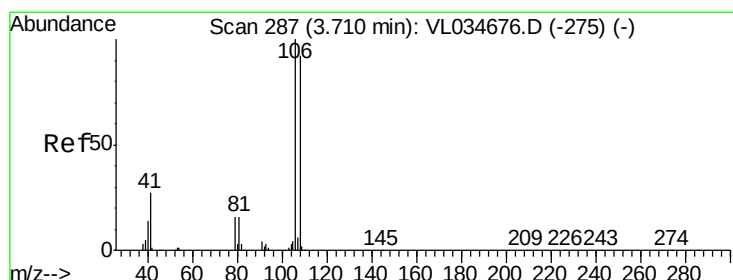
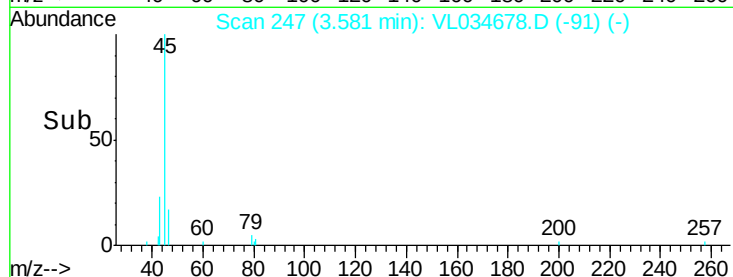
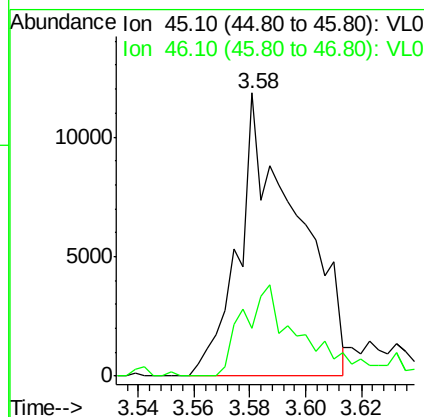
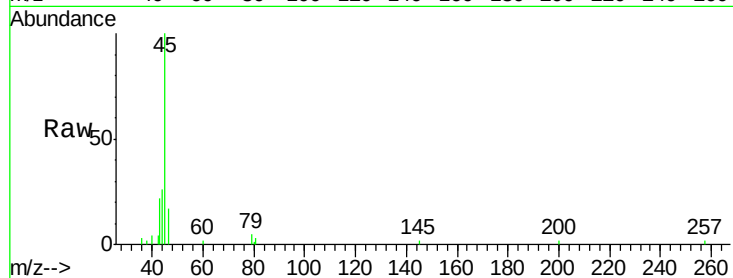
#13
Ethanol
Concen: 1.001 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 17014
Ion Ratio Lower Upper
45 100
46 0.0 15.4 61.4#

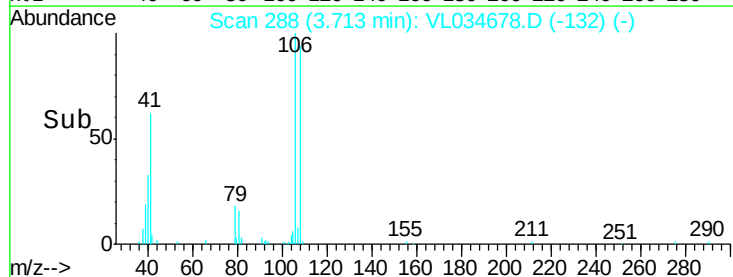
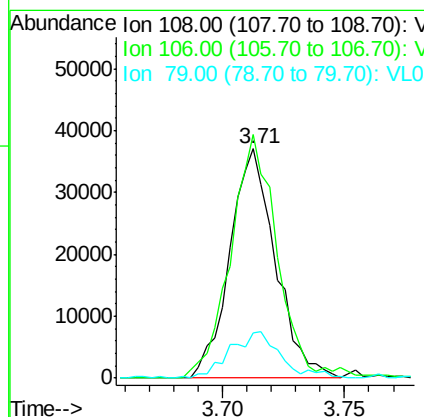
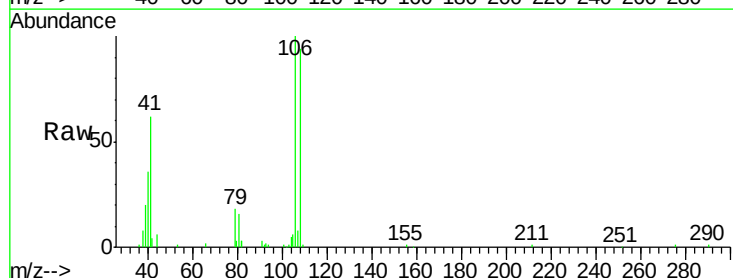
Manual Integrations
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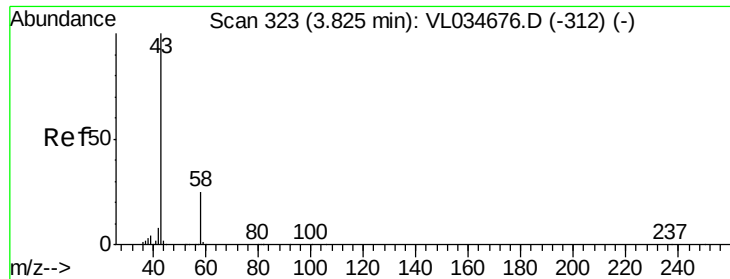
MMDadoda
2/27/2020 5:19:19 PM



#14
Bromoethene
Concen: 0.959 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 108 Resp: 48188
Ion Ratio Lower Upper
108 100
106 109.2 86.7 130.1
79 22.8 15.0 22.6#





#15

Acetone

Concen: 0.927 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 141782

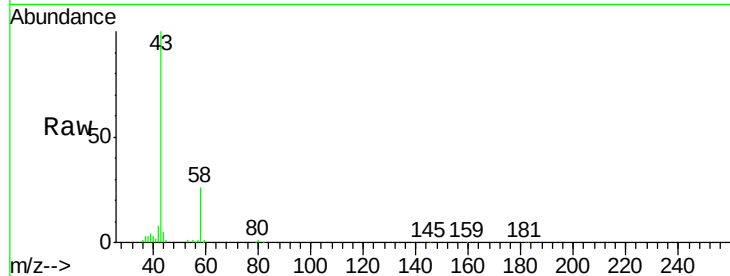
Ion Ratio Lower Upper

43 100

58 28.3 21.4 32.0

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

120000

100000

80000

60000

40000

20000

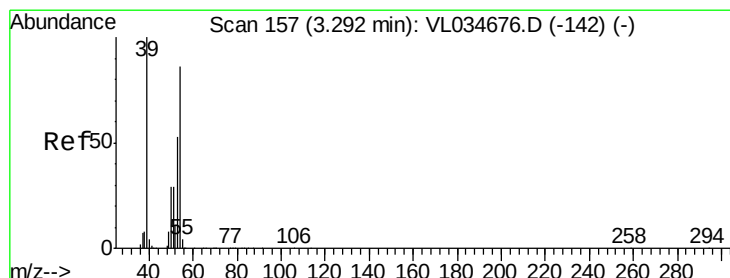
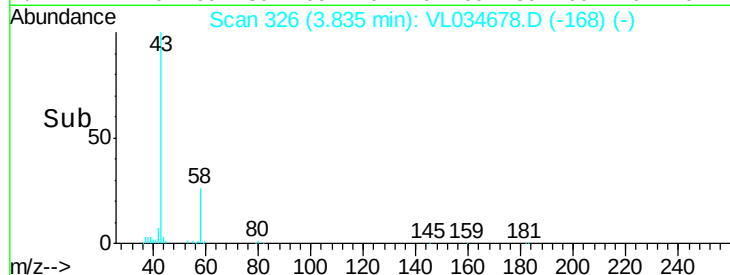
0

3.80

3.83

3.85

Time-->



#16

1,3-Butadiene

Concen: 0.980 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034678.D

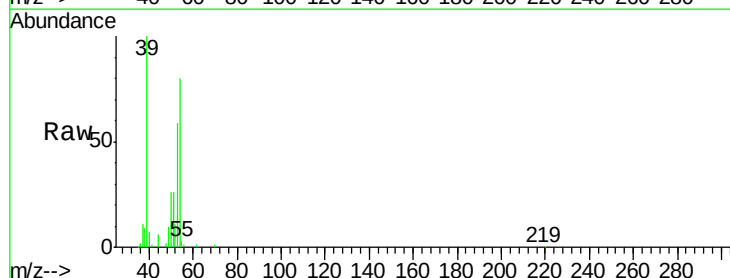
Acq: 26 Feb 2020 3:46

Tgt Ion: 39 Resp: 63742

Ion Ratio Lower Upper

39 100

54 78.0 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

60000

50000

40000

30000

20000

10000

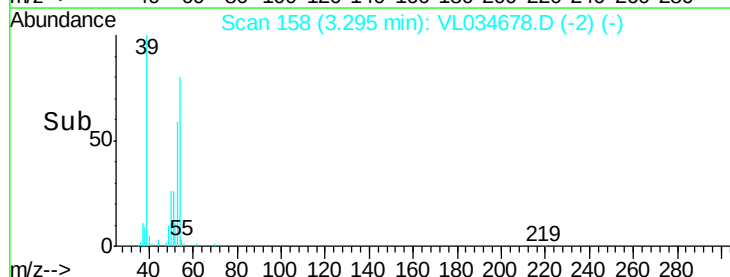
0

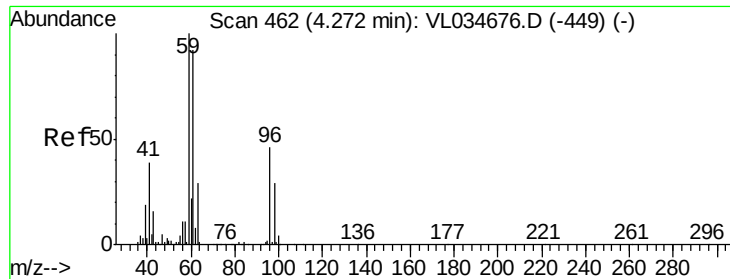
3.25

3.29

3.35

Time-->





#17

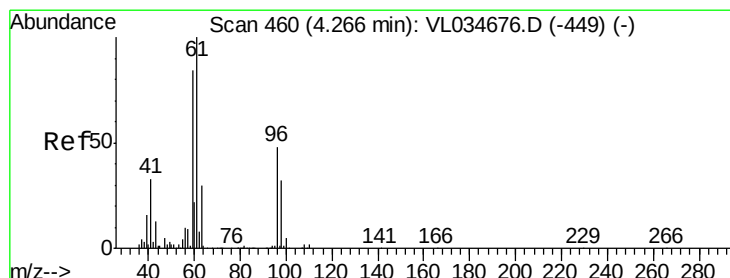
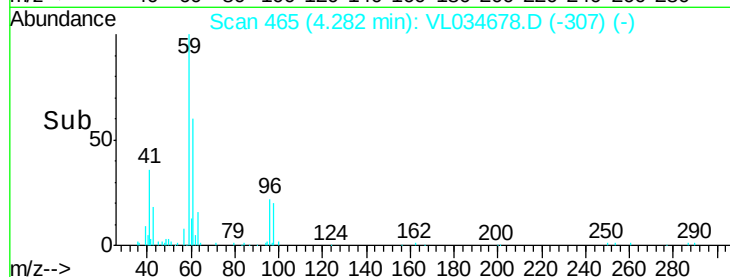
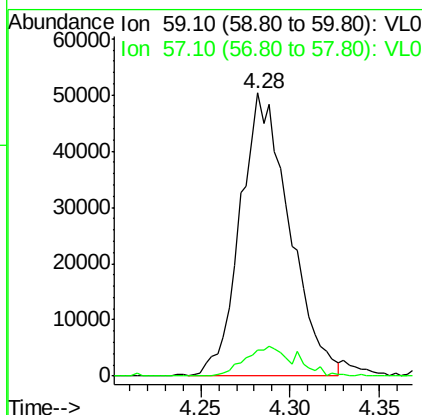
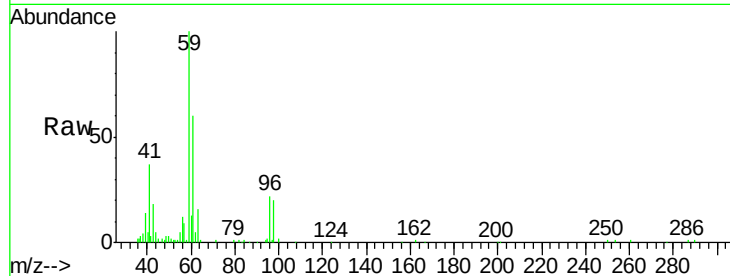
tert-Butyl alcohol
Concen: 0.836 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Manual Integrations
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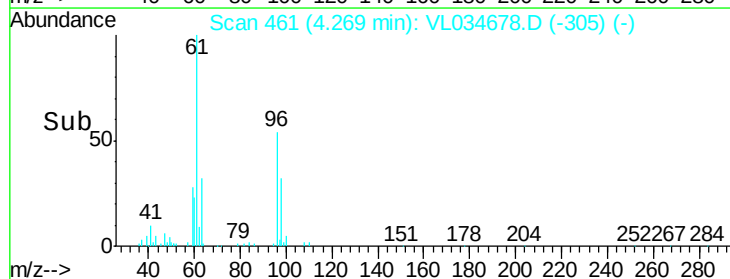
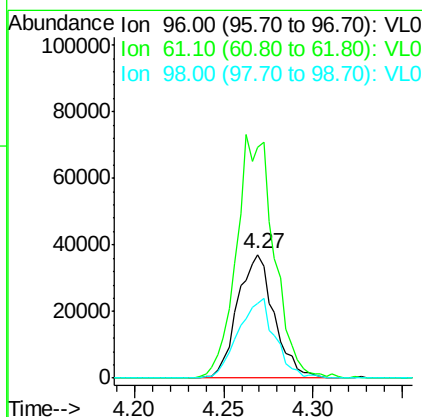
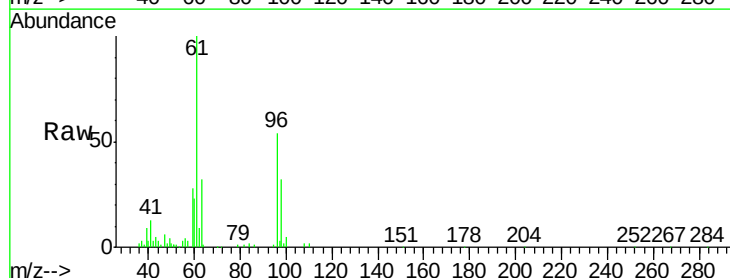
MMDadoda
2/27/2020 5:19:19 PM

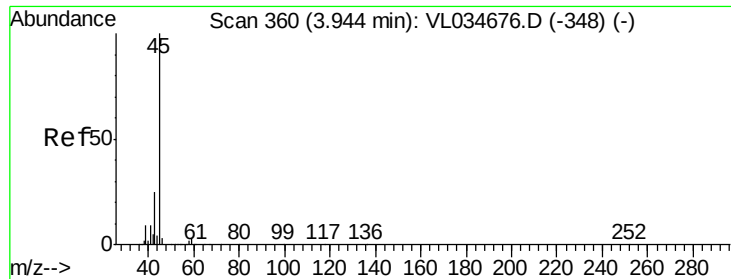


#18

1,1-Dichloroethene
Concen: 0.955 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.0	165.1	247.7
98	60.3	52.7	79.1





#19

Isopropyl Alcohol

Concen: 0.661 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 69492

Ion Ratio Lower Upper

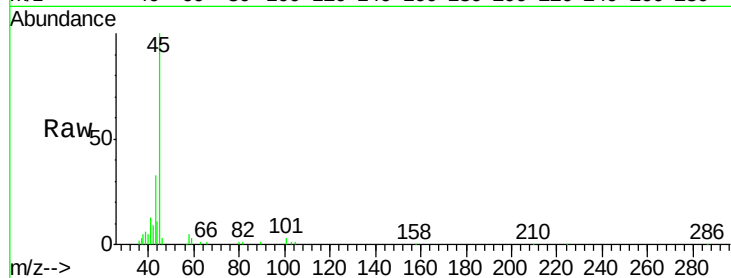
45 100

58 4.0 1.8 2.6#

Manual Integrations
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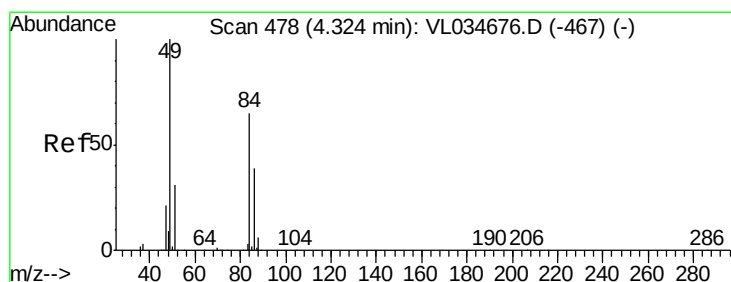
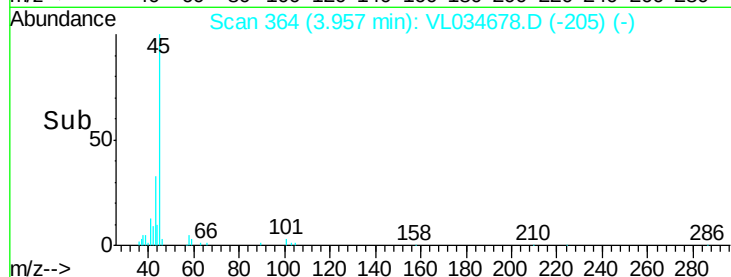
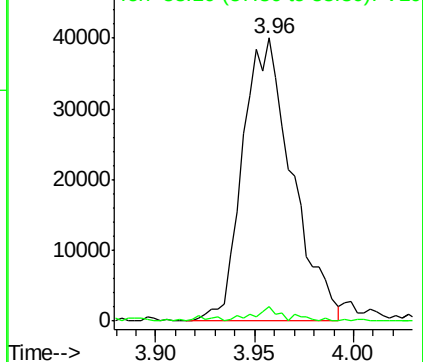
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.989 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion: 84 Resp: 55408

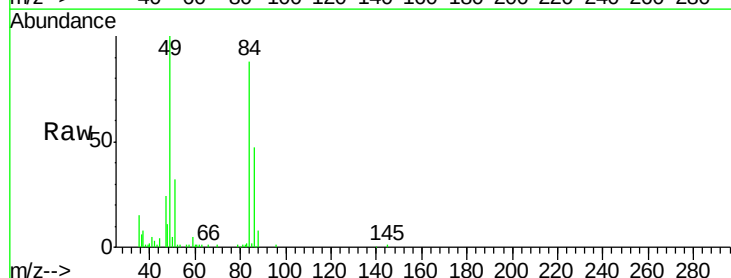
Ion Ratio Lower Upper

84 100

49 110.0 122.8 184.2#

51 35.3 38.6 58.0#

86 52.8 47.7 71.5

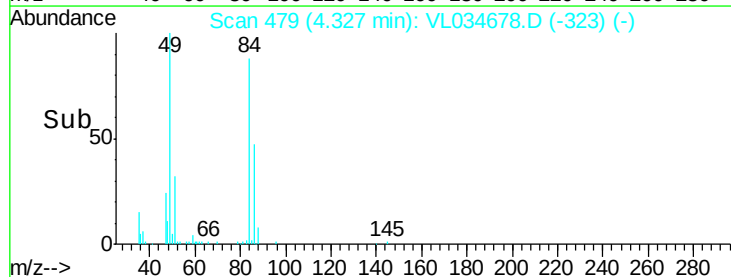
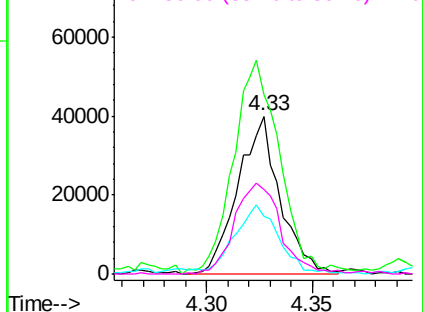


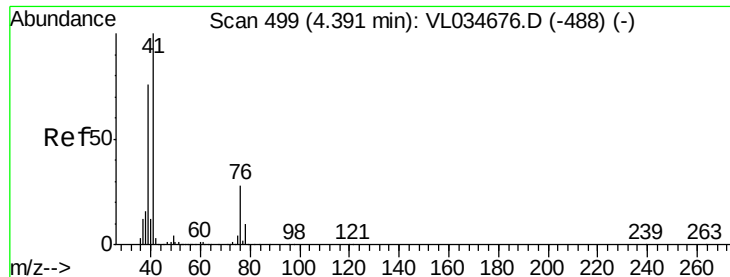
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





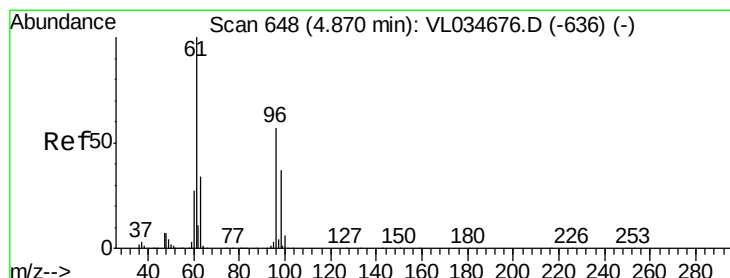
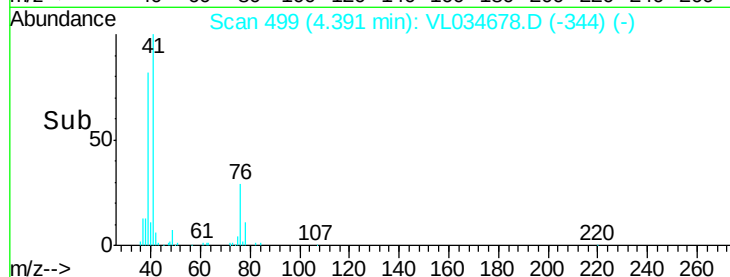
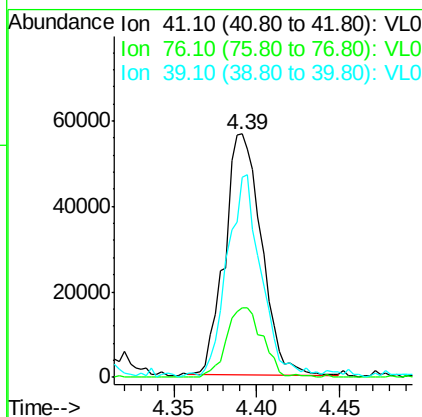
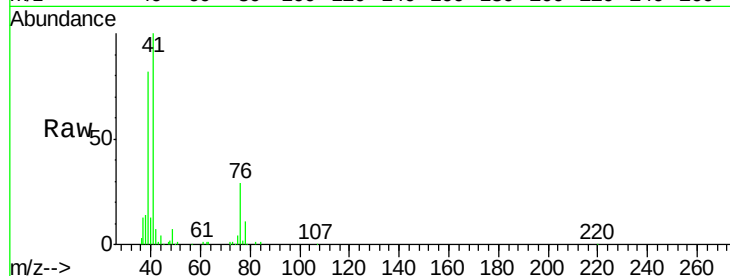
#21
Allvl Chloride
Concen: 0.936 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.8	34.2
39	78.9	61.7	92.5

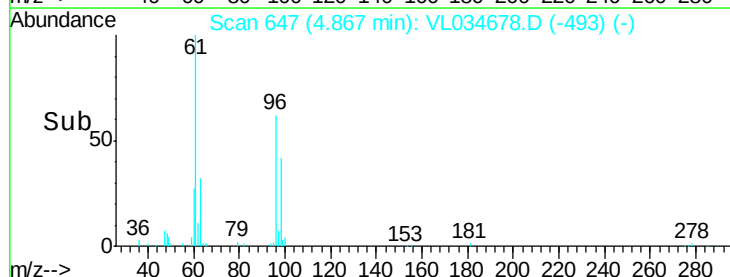
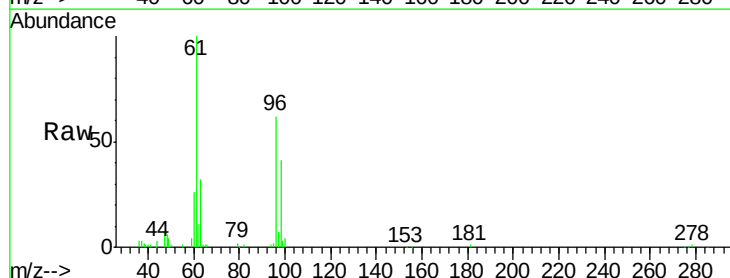
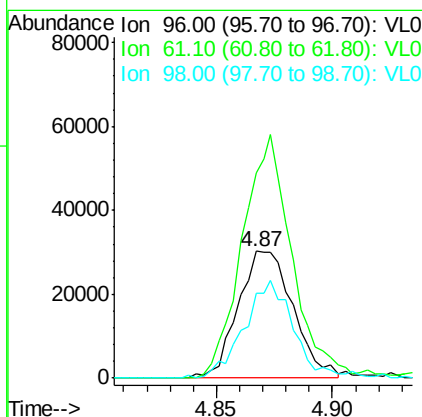
Manual Integrations
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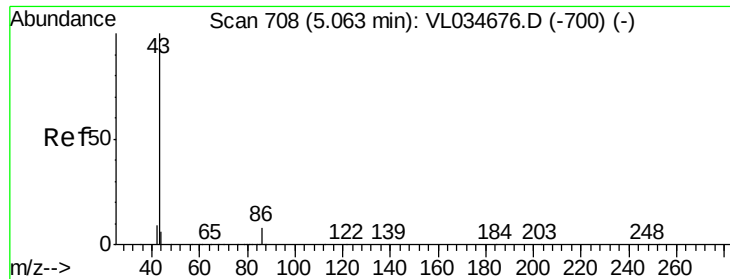
MMDadoda
2/27/2020 5:19:19 PM



#22
trans-1,2-Dichloroethene
Concen: 0.913 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	139.4	209.0
98	64.9	51.3	76.9





#23

Vinyl Acetate

Concen: 0.911 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

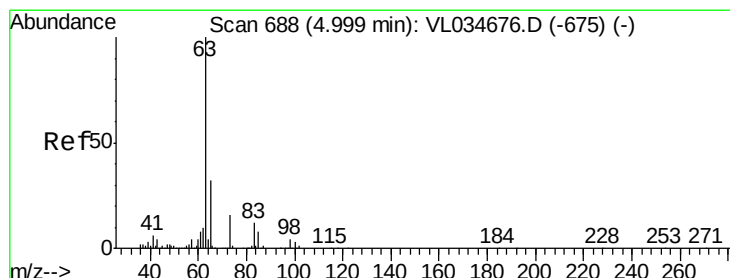
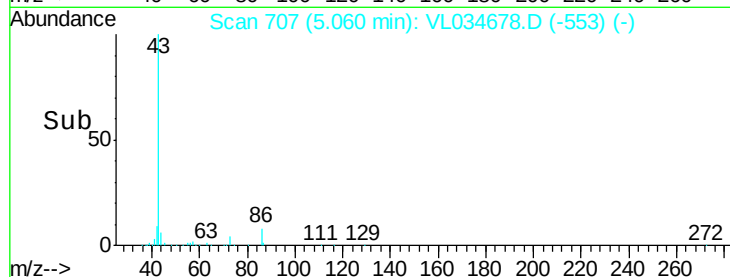
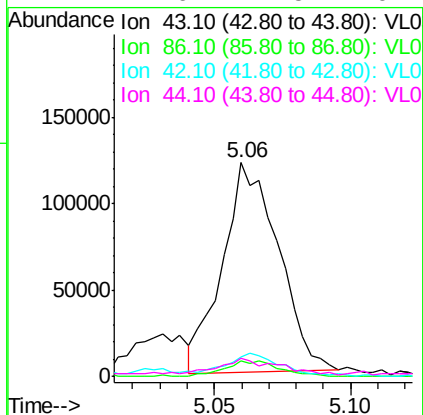
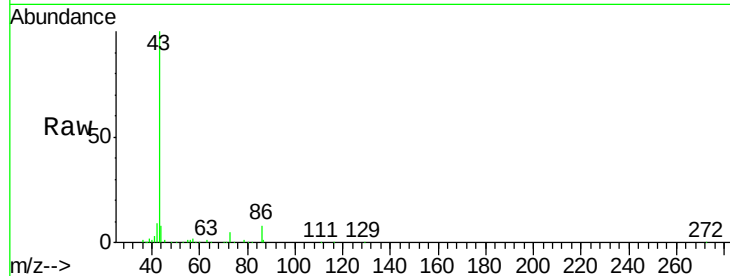
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	172627
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.0	9.0
42	8.3	8.0	12.0
44	7.6	4.5	6.7#

Manual Integrations
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MMDadoda
2/27/2020 5:19:19 PM



#24

1,1-Dichloroethane

Concen: 0.935 ppbv

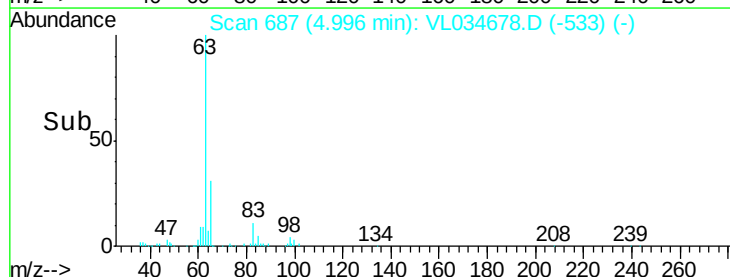
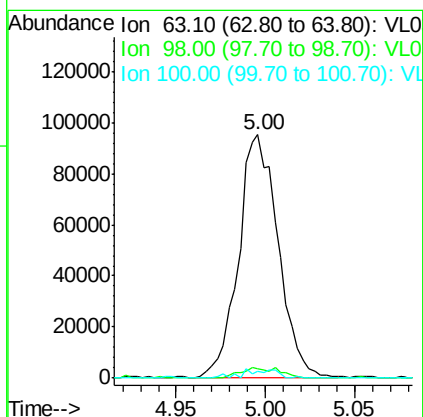
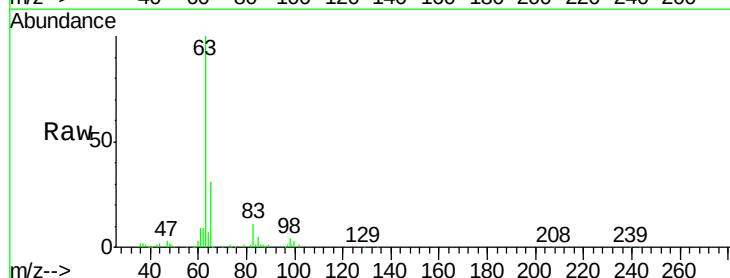
RT: 5.00 min Scan# 687

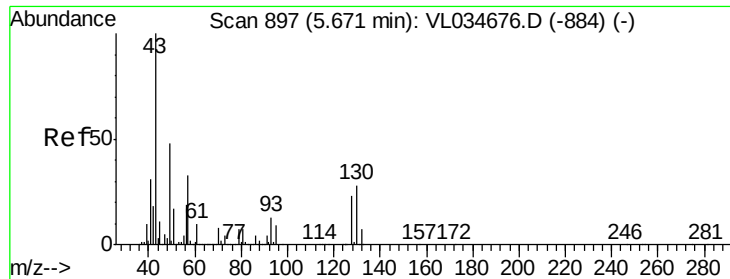
Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion	63	Resp	147526
Ion Ratio	Lower	Upper	
63	100		
98	4.1	2.1	6.2
100	3.0	1.4	4.0





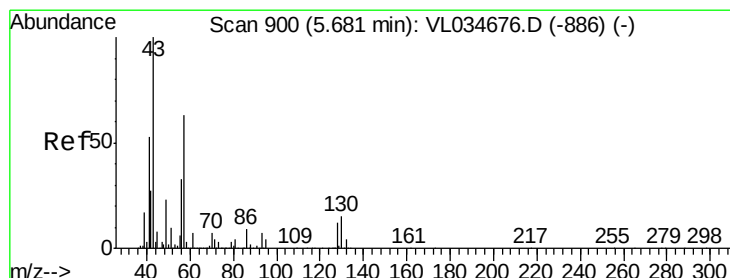
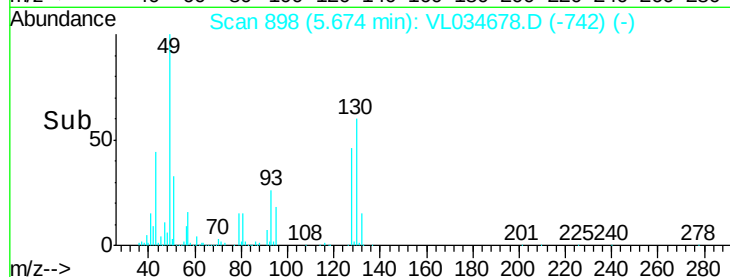
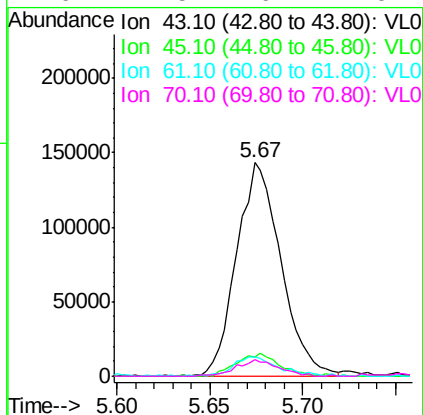
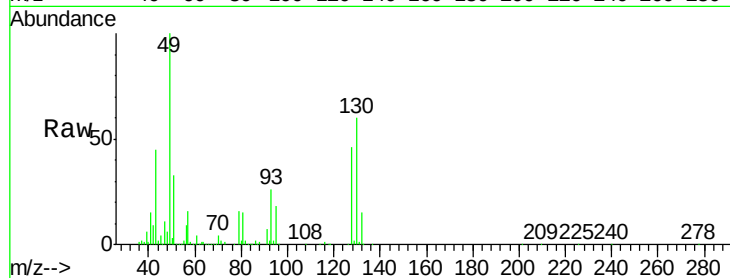
#25
Ethyl Acetate
Concen: 0.905 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.6	8.2	12.4		
61	9.0	7.8	11.6		
70	7.5	6.1	9.1		

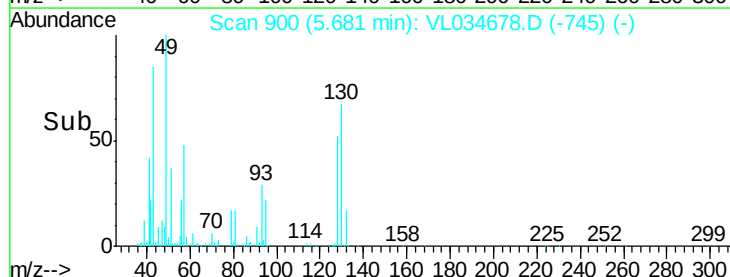
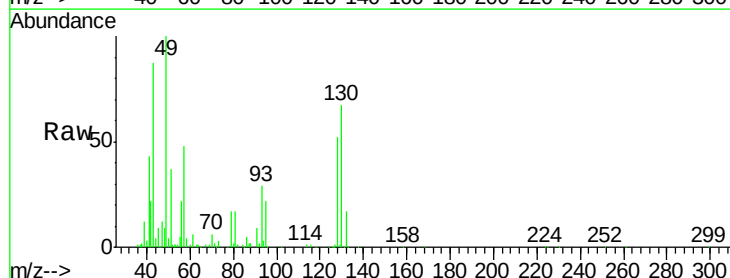
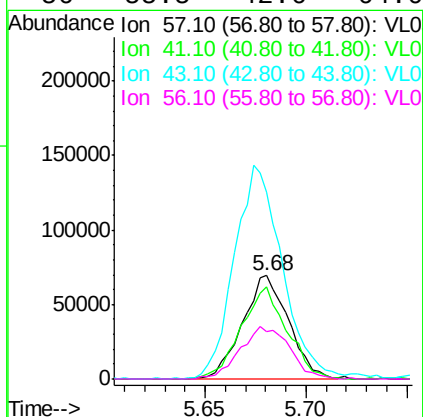
Manual Integrations
APPROVED

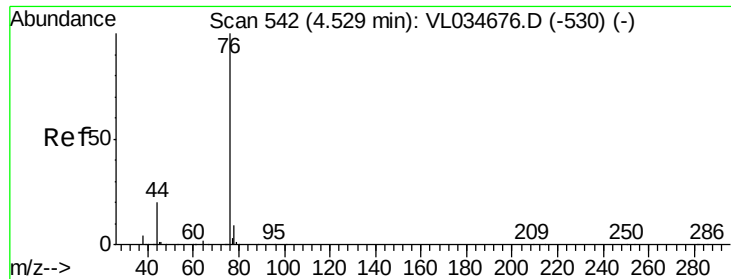
MMDadoda
2/27/2020 5:19:19 PM



#26
Hexane
Concen: 0.939 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	90.3	70.3	105.5		
43	221.2	177.0	265.4		
56	55.5	42.6	64.0		





#27

Carbon Disulfide

Concen: 0.901 ppbv m

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

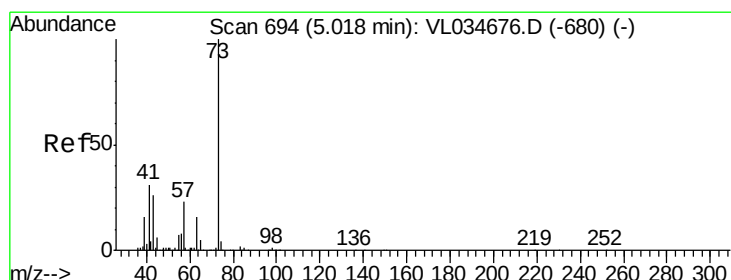
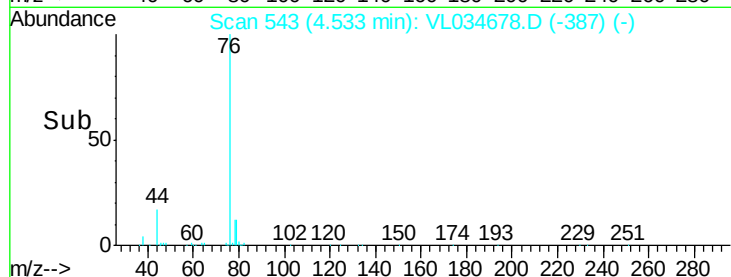
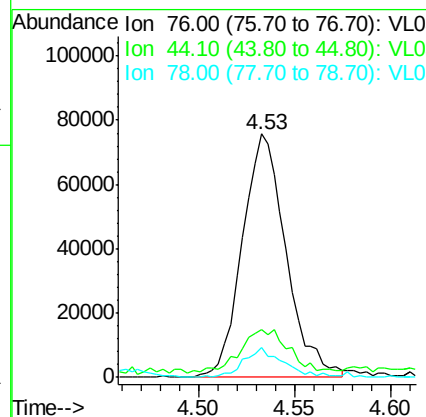
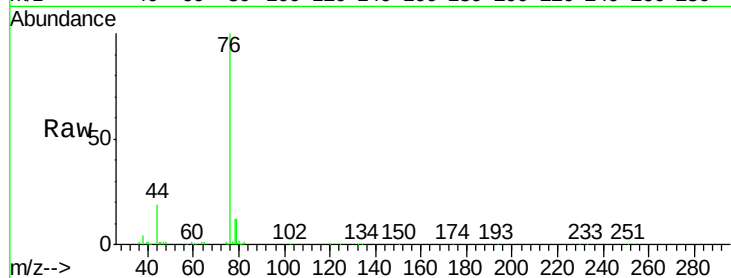
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.9	15.3	22.9#
78	11.8	7.6	11.4#

Manual Integrations
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2/27/2020 5:19:19 PM



#28

Methyl tert-Butyl Ether

Concen: 0.954 ppbv

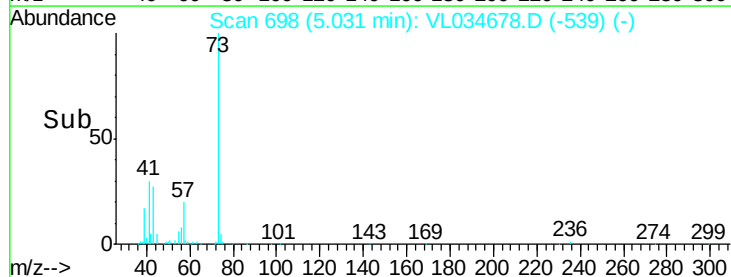
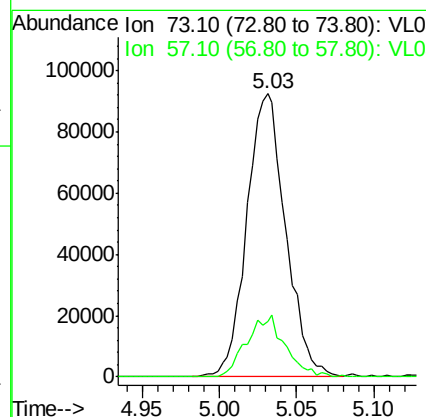
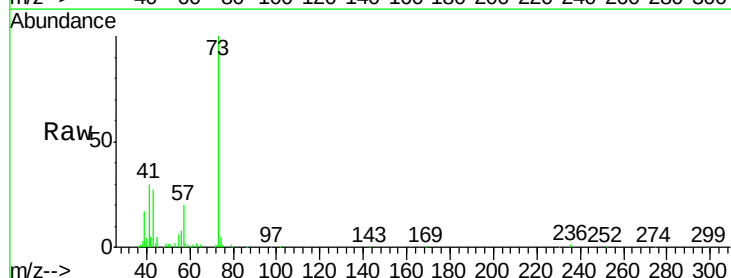
RT: 5.03 min Scan# 698

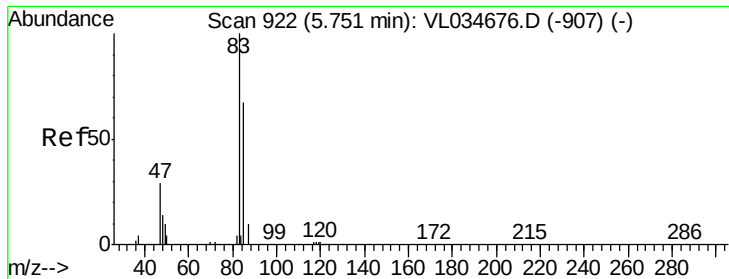
Delta R.T. 0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.6	28.0





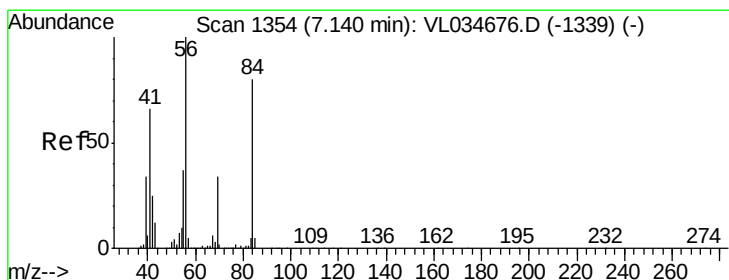
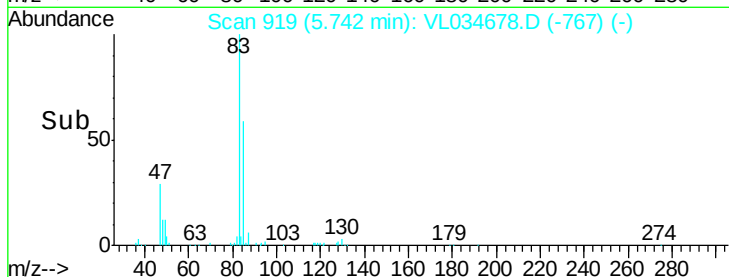
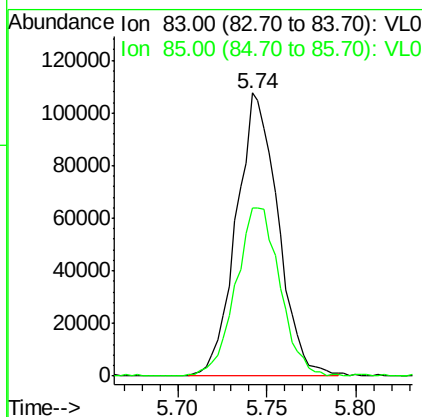
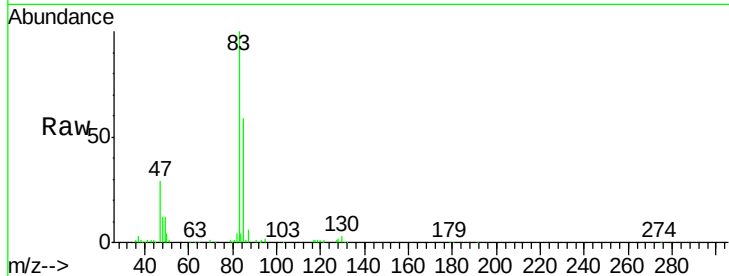
#29
Chloroform
Concen: 0.940 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	175045
Ion Ratio	100	Lower	Upper
85	58.9	53.9	80.9

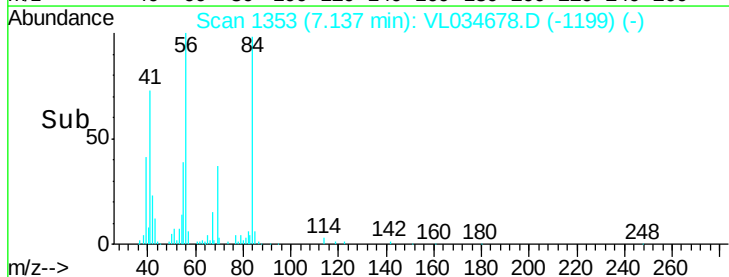
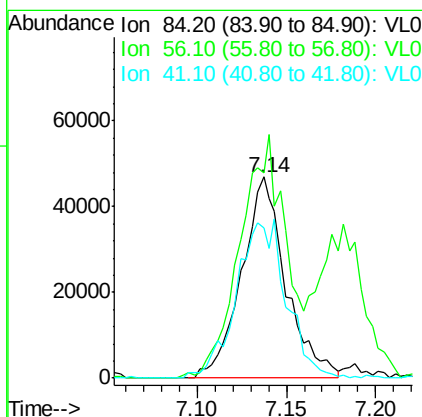
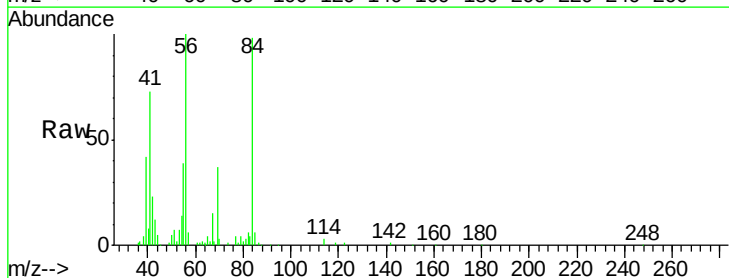
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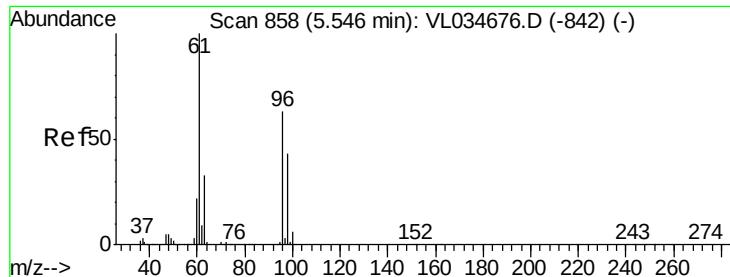
MMDadoda
2/27/2020 5:19:19 PM



#30
Cyclohexane
Concen: 0.911 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	84	Resp	81658
Ion Ratio	100	Lower	Upper
56	128.8	113.4	170.2
41	88.9	68.2	102.4





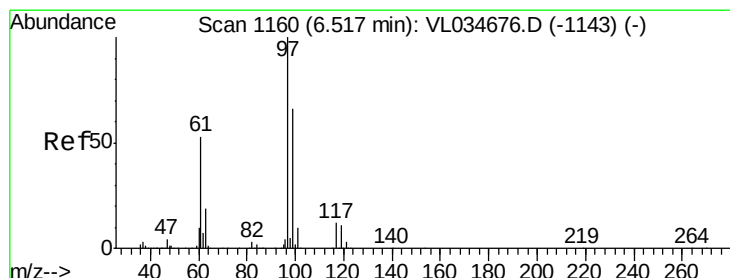
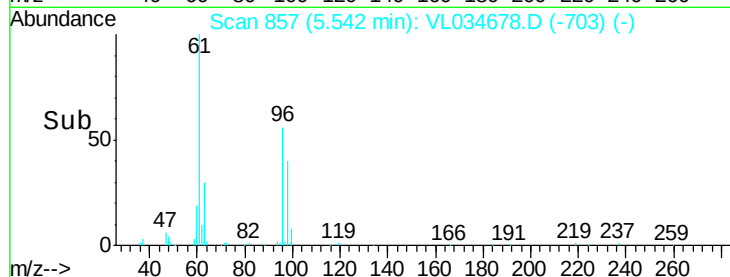
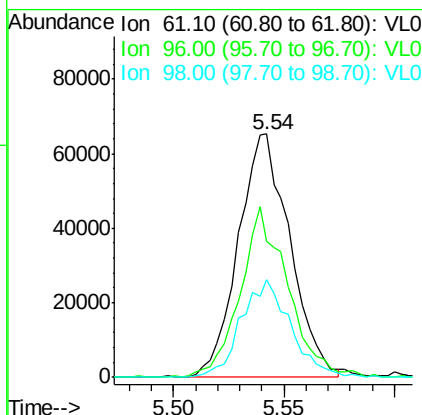
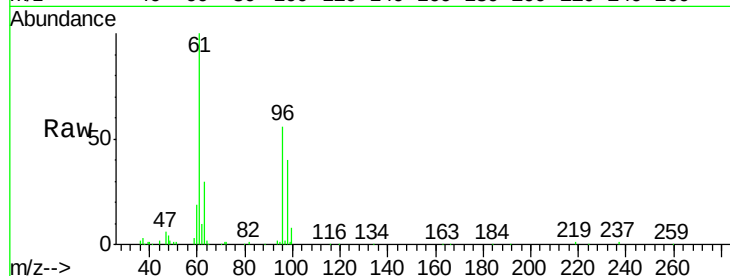
#31
 cis-1,2-Dichloroethene
 Concen: 0.937 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	55.0	50.2	75.2
98	40.0	34.3	51.5

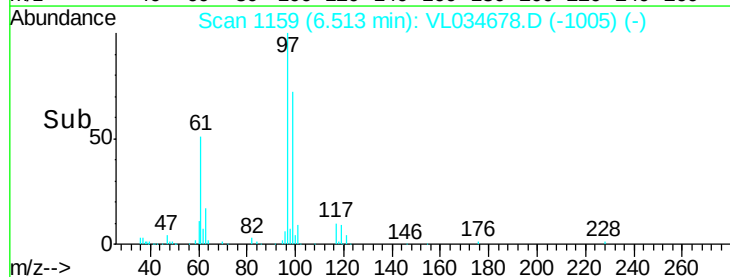
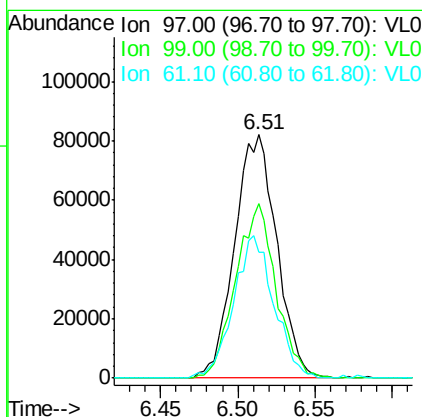
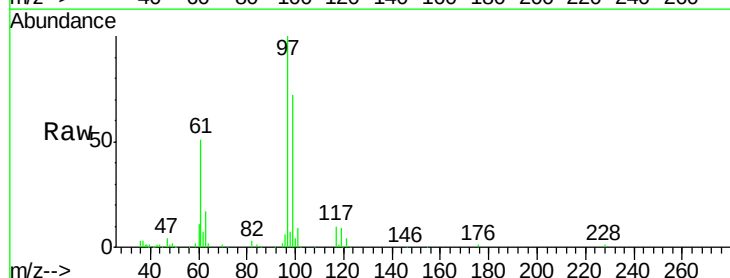
Manual Integrations
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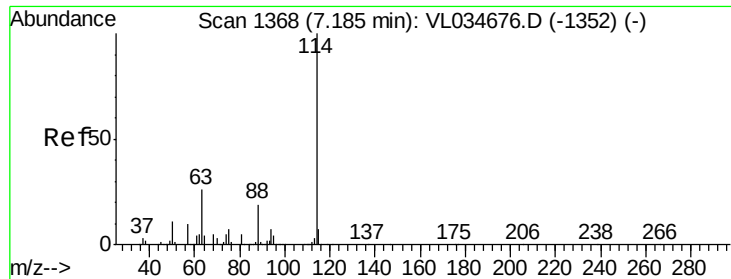
MMDadoda
 2/27/2020 5:19:19 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.913 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.3	78.5
61	56.3	42.8	64.2





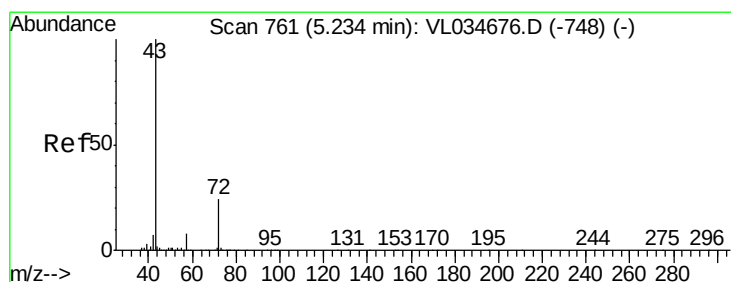
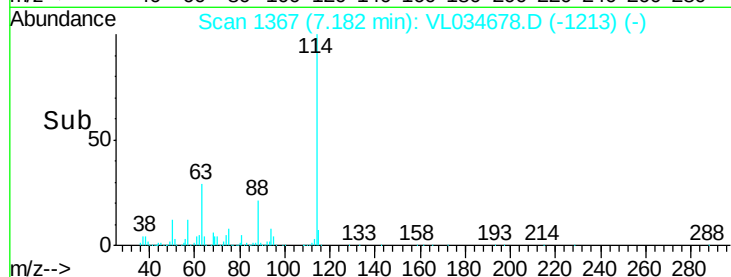
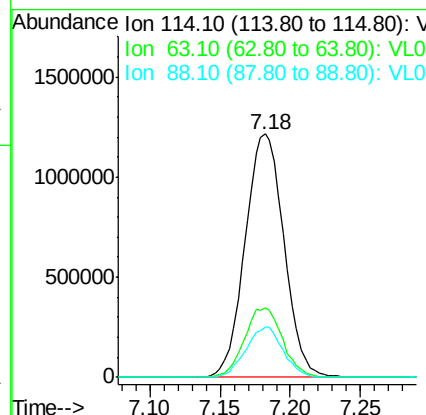
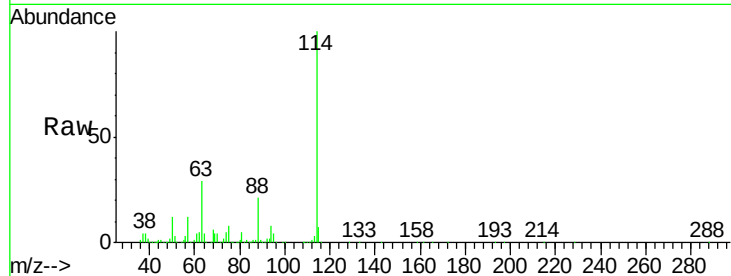
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.9	34.3
88	19.9	15.8	23.6

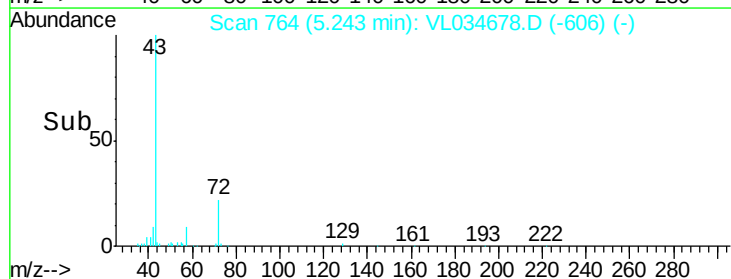
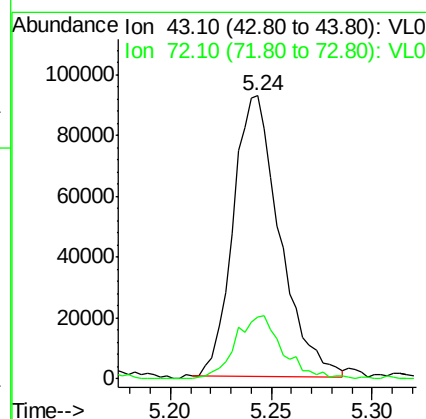
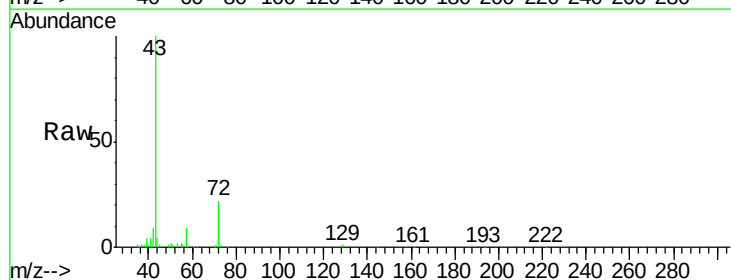
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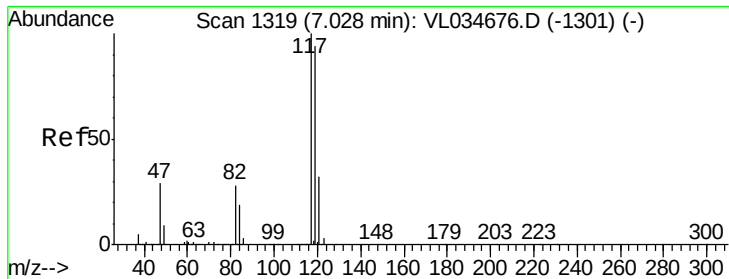
MMDadoda
 2/27/2020 5:19:19 PM



#34
 2-Butanone
 Concen: 0.901 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.2





#35

Carbon Tetrachloride

Concen: 0.893 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

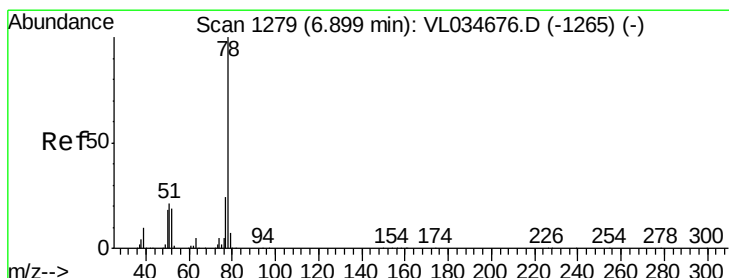
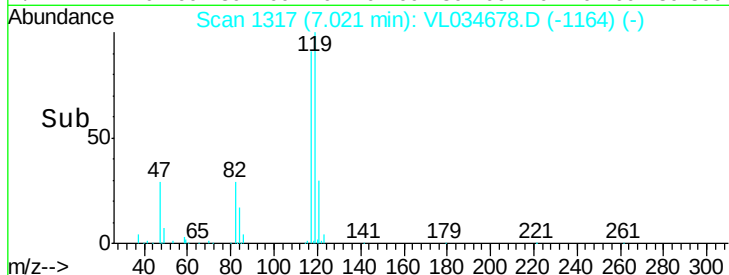
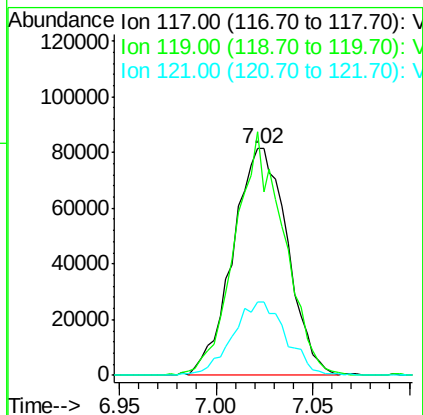
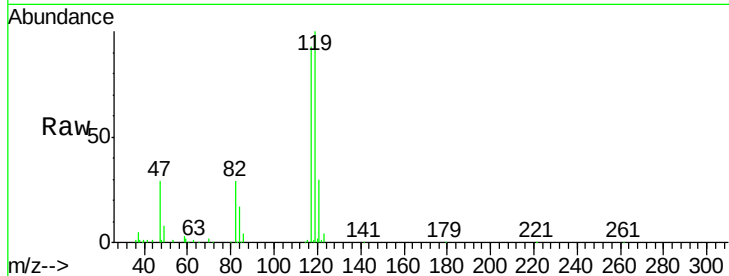
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		159498		
119	106.0	75.5	113.3		
121	32.8	25.4	38.0		

Manual Integrations
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MMDadoda
2/27/2020 5:19:19 PM



#36

Benzene

Concen: 0.960 ppbv

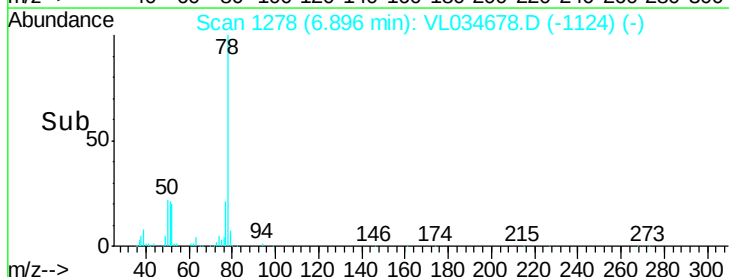
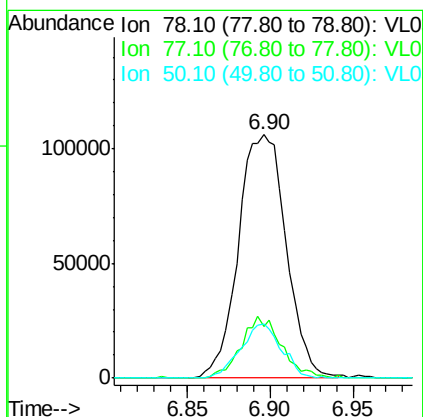
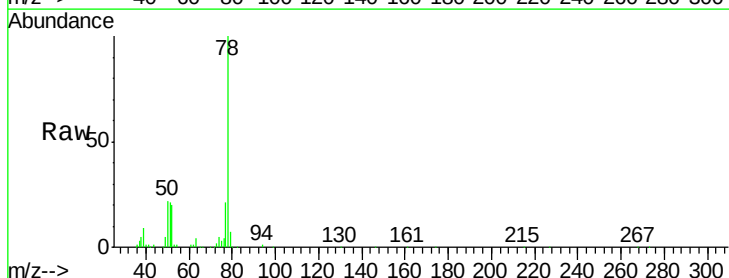
RT: 6.90 min Scan# 1278

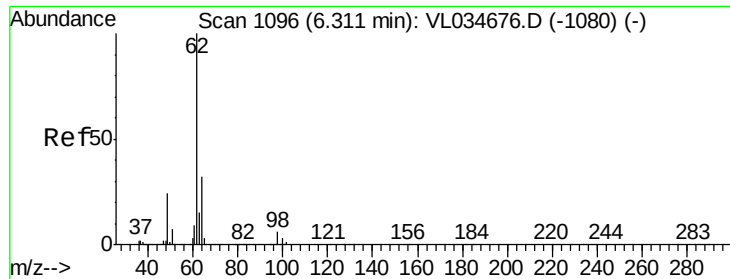
Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		212117		
77	21.3	19.5	29.3		
50	22.2	14.6	21.8#		





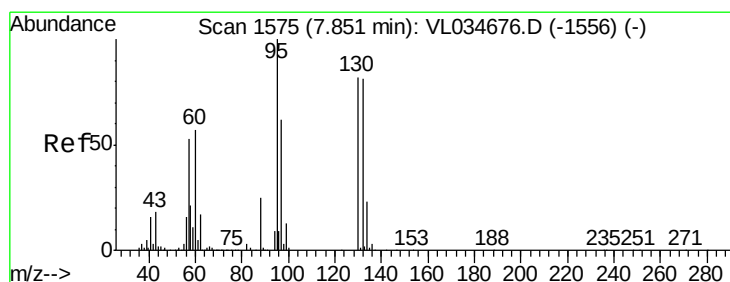
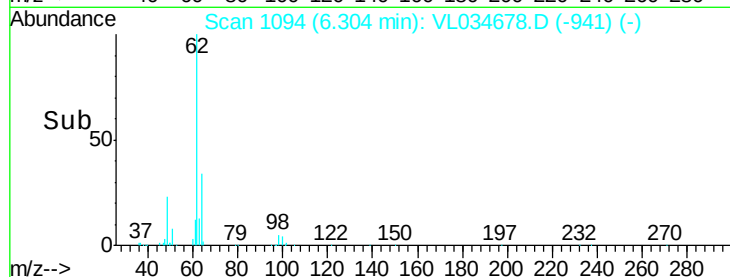
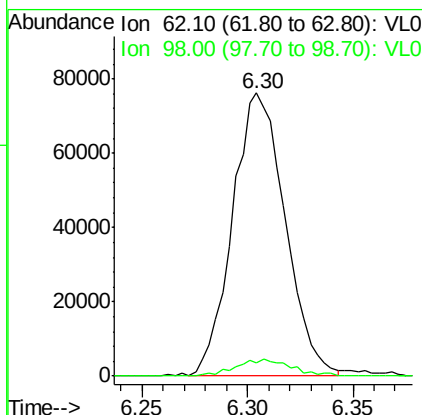
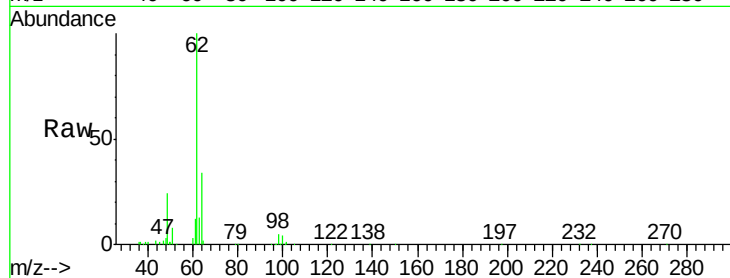
#37
 1,2-Dichloroethane
 Concen: 0.909 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	131524		
98	6.4		4.7	7.1

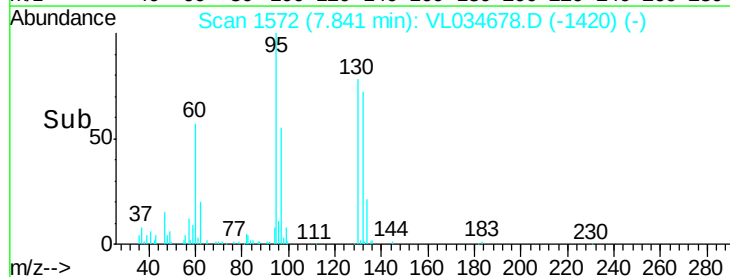
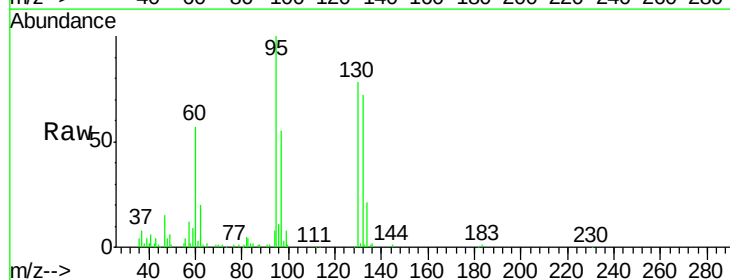
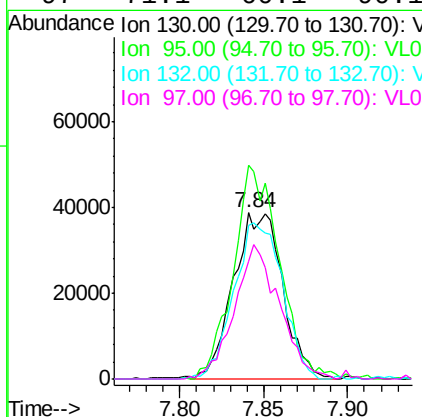
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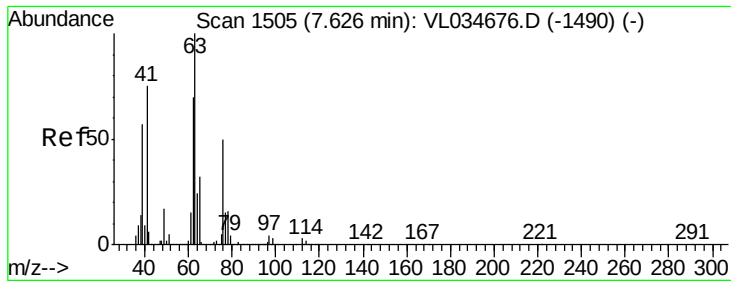
MMDadoda
 2/27/2020 5:19:19 PM



#38
 Trichloroethene
 Concen: 0.940 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	78864		
95	128.5		97.1	145.7
132	92.2		78.3	117.5
97	71.1		60.1	90.1





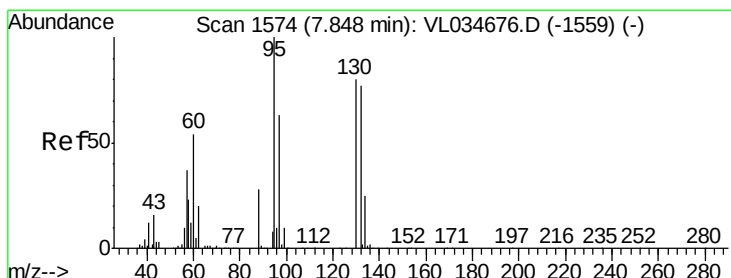
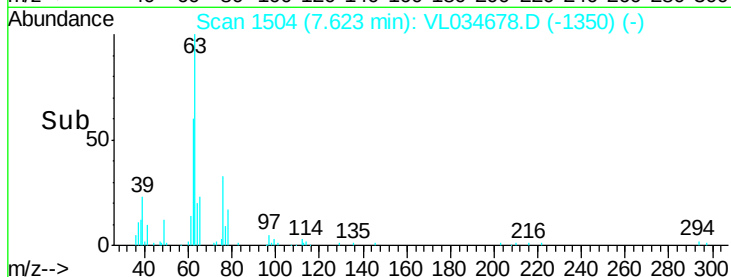
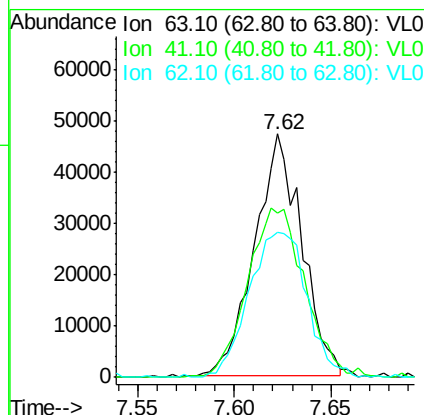
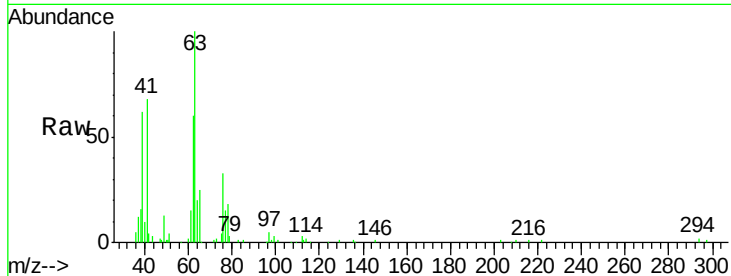
#39
 1,2-Dichloropropane
 Concen: 0.882 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.1	60.2	90.4
62	59.9	56.3	84.5

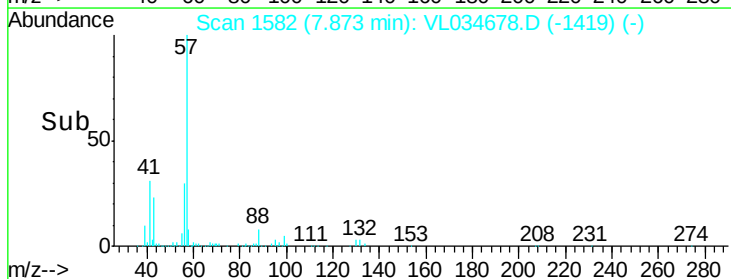
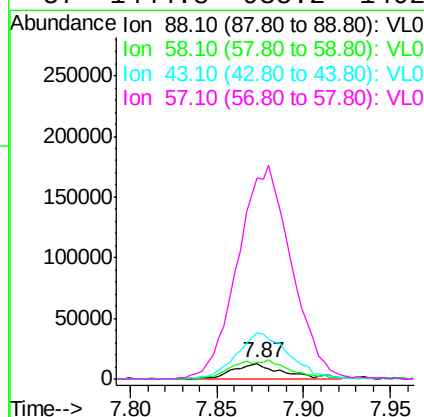
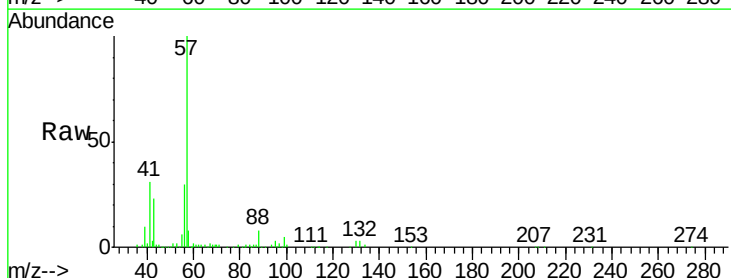
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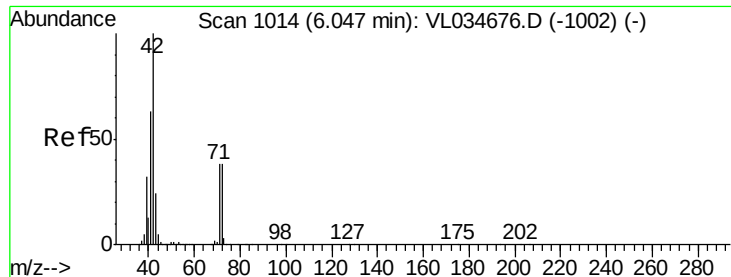
MMDadoda
 2/27/2020 5:19:19 PM



#40
 1,4-Dioxane
 Concen: 0.776 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.03 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	149.1	104.6	156.8
43	308.6	212.9	319.3
57	1444.8	935.2	1402.8#





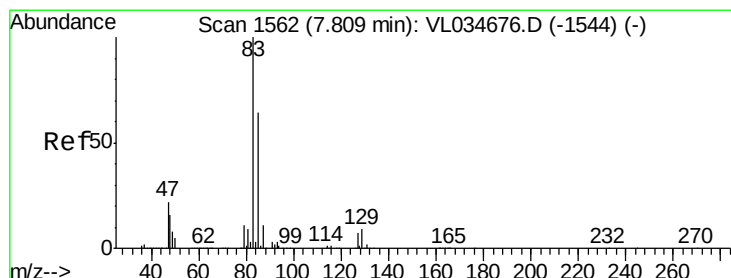
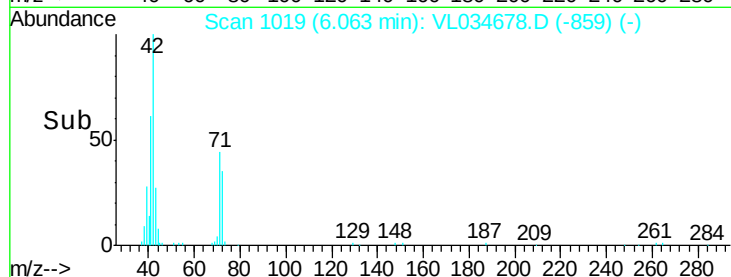
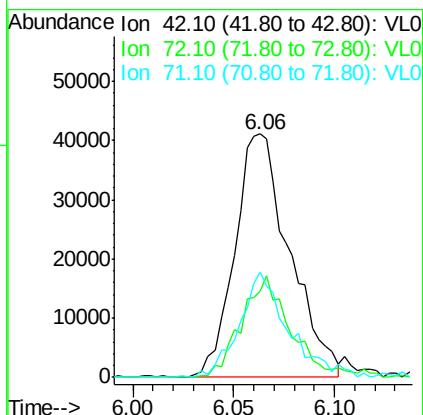
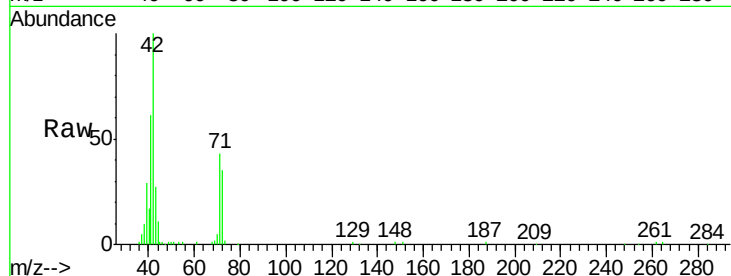
#41
Tetrahydrofuran
Concen: 0.897 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.7	47.5
71	39.7	30.7	46.1

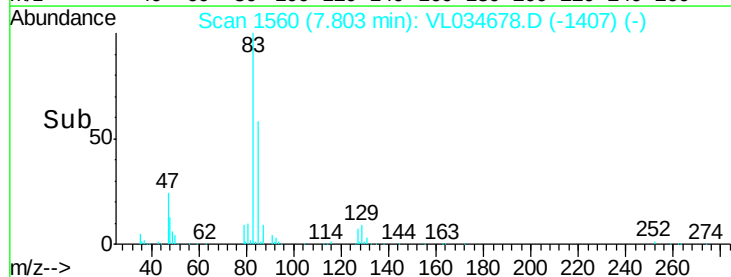
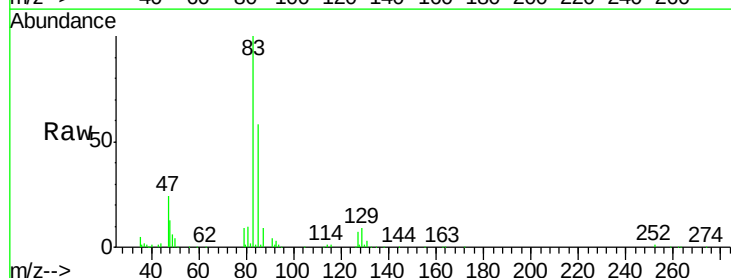
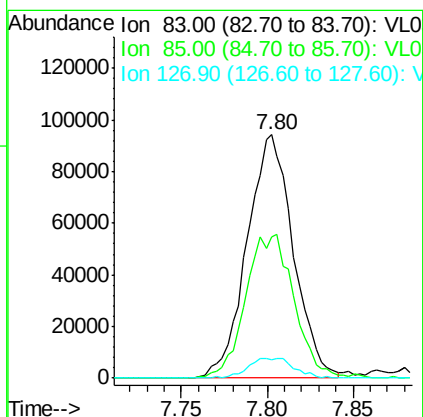
Manual Integrations
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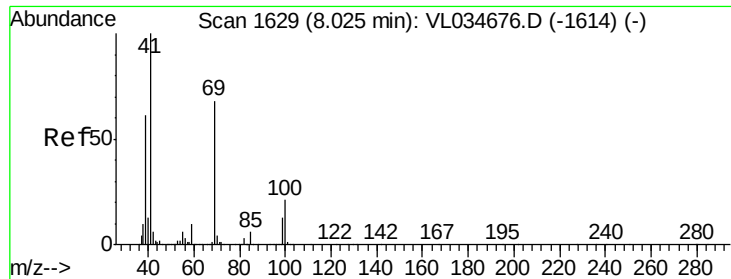
MMDadoda
2/27/2020 5:19:19 PM



#42
Bromodichloromethane
Concen: 0.936 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.1	76.7
127	7.4	5.8	8.8





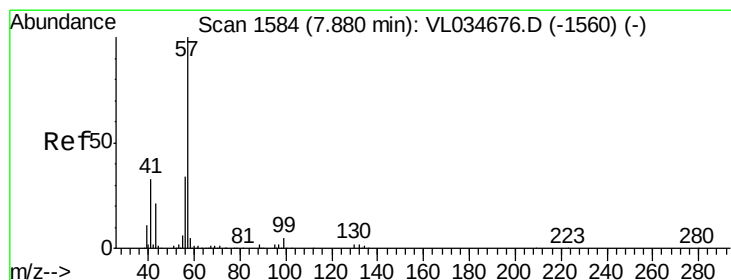
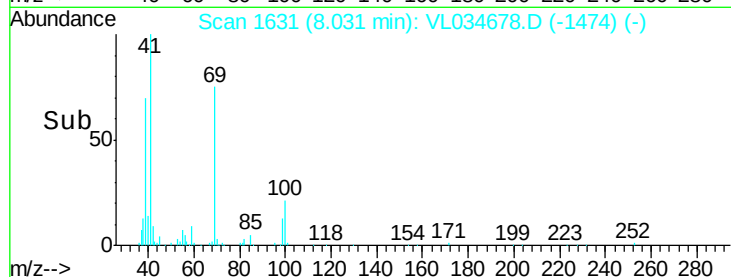
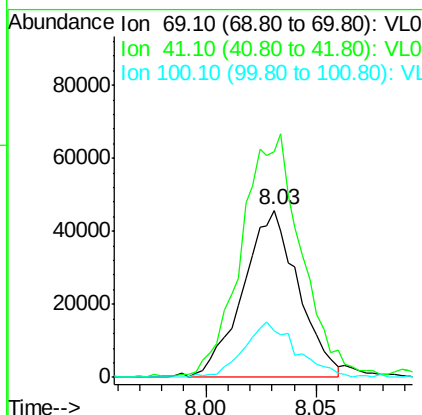
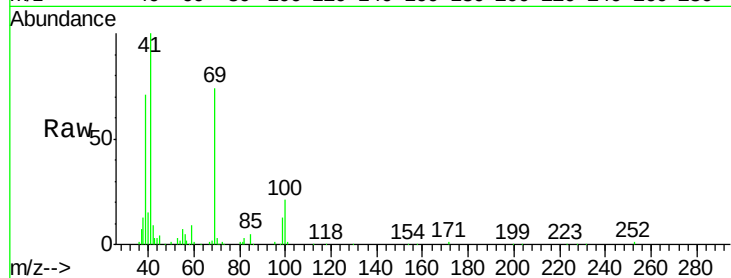
#43
Methyl Methacrylate
Concen: 0.911 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	160.4	118.2	177.2	
100	32.1	24.2	36.2	

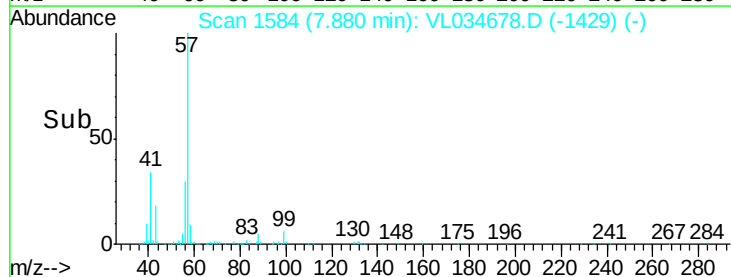
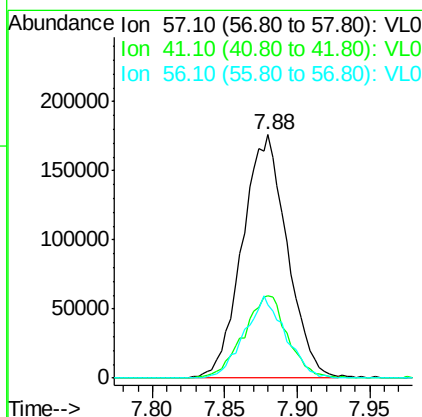
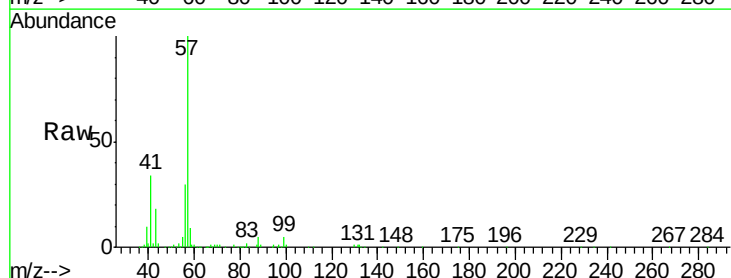
Manual Integrations
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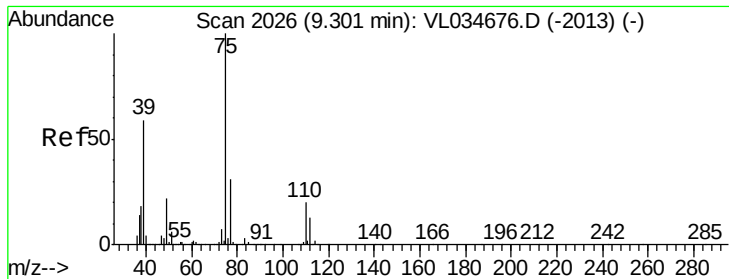
MMDadoda
2/27/2020 5:19:19 PM



#44
2,2,4-Trimethylpentane
Concen: 0.954 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.4	26.0	39.0	
56	30.7	25.6	38.4	





#45

t-1,3-Dichloropropene

Concen: 0.817 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 82854

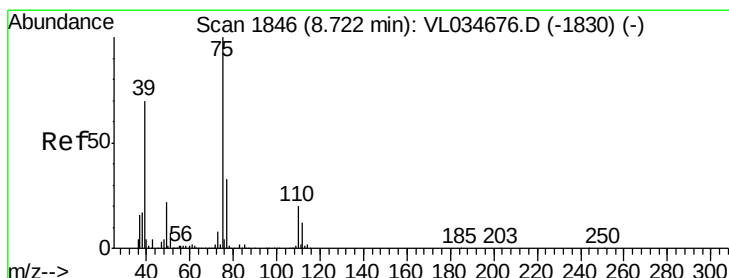
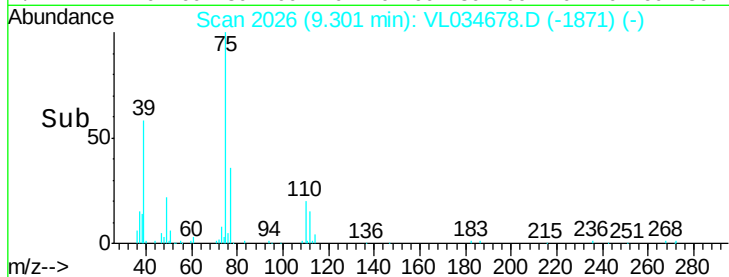
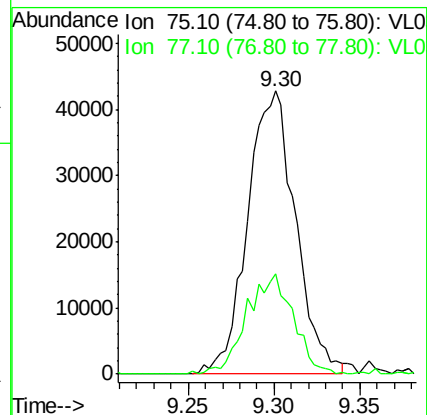
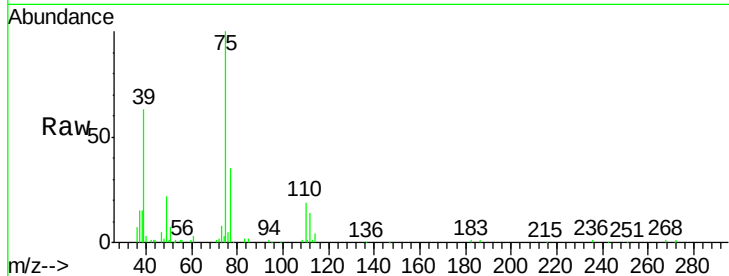
Ion Ratio Lower Upper

75 100

77 35.3 25.3 37.9

Manual Integrations
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MMDadoda
2/27/2020 5:19:19 PM



#46

cis-1,3-Dichloropropene

Concen: 0.871 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

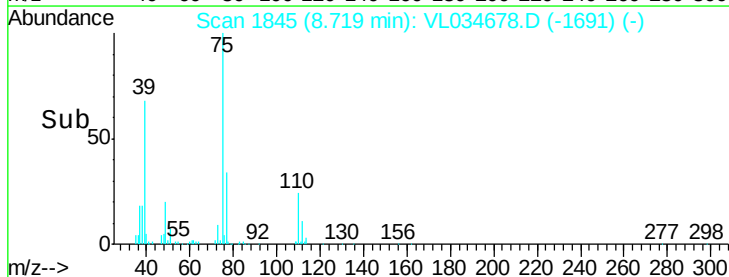
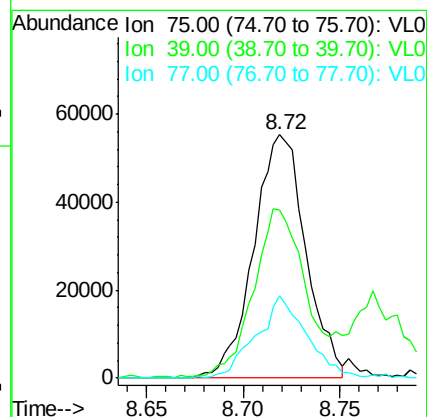
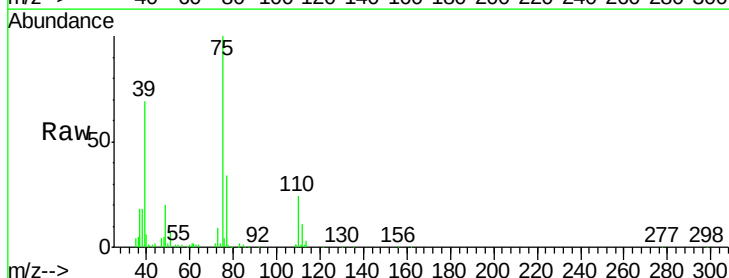
Tgt Ion: 75 Resp: 103280

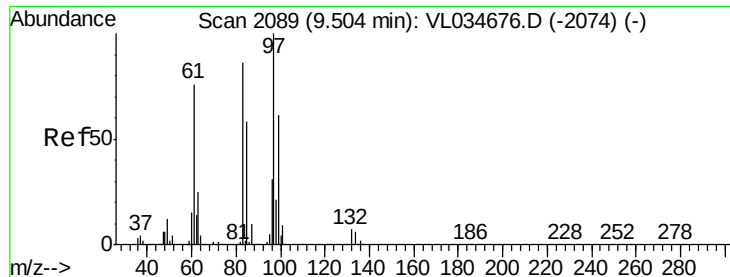
Ion Ratio Lower Upper

75 100

39 68.5 55.7 83.5

77 33.7 26.3 39.5





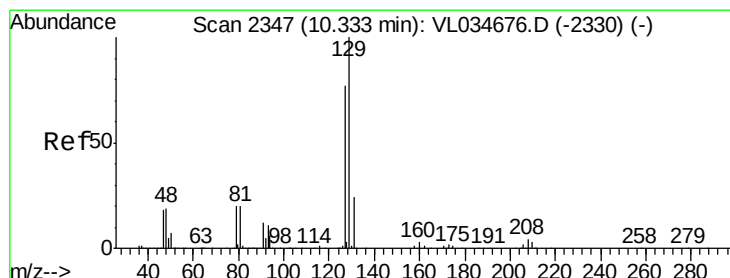
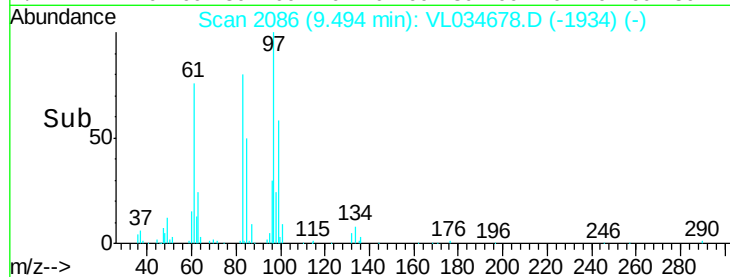
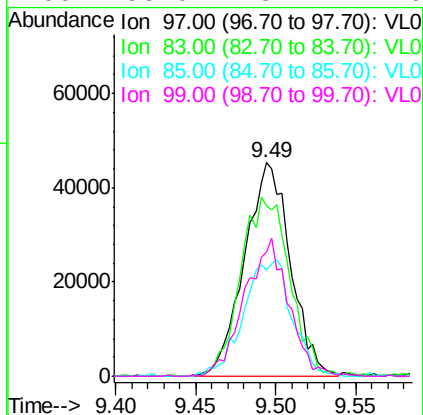
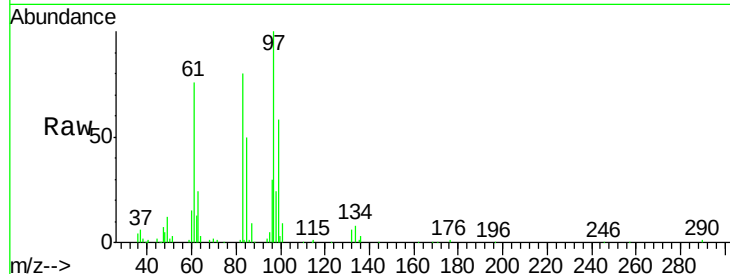
#47
 1,1,2-Trichloroethane
 Concen: 0.928 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		89220		
83	79.8	69.4	104.0		
85	49.5	46.4	69.6		
99	58.0	48.4	72.6		

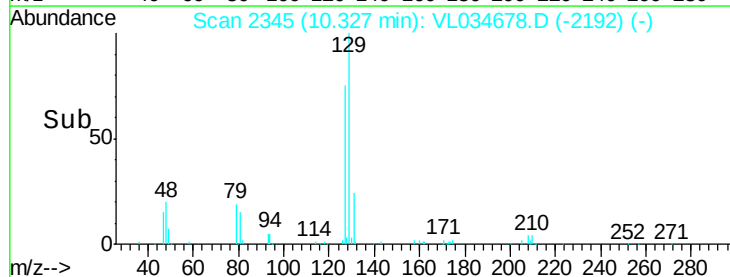
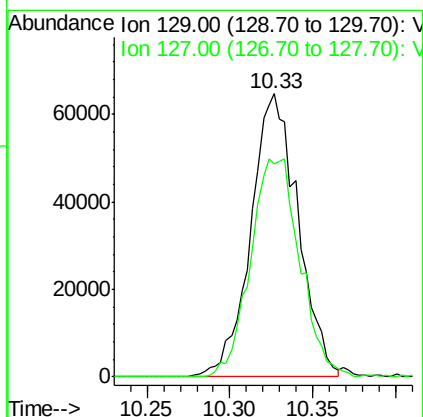
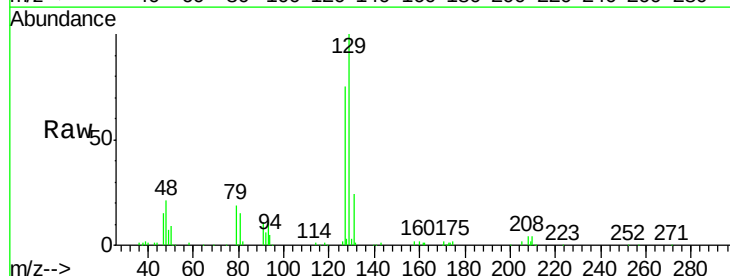
Manual Integrations
 APPROVED

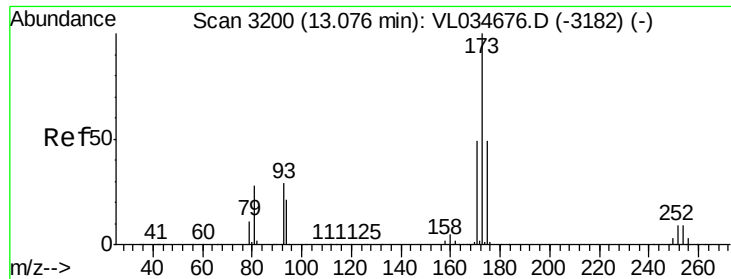
MMDadoda
 2/27/2020 5:19:19 PM



#48
 Dibromochloromethane
 Concen: 0.867 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		127984		
127	81.0	39.3	117.8		





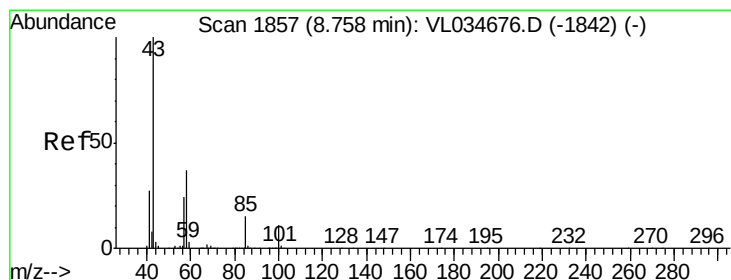
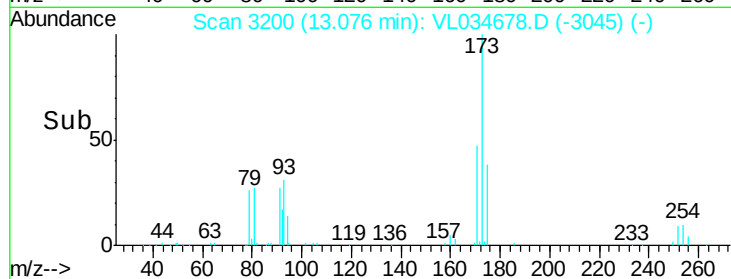
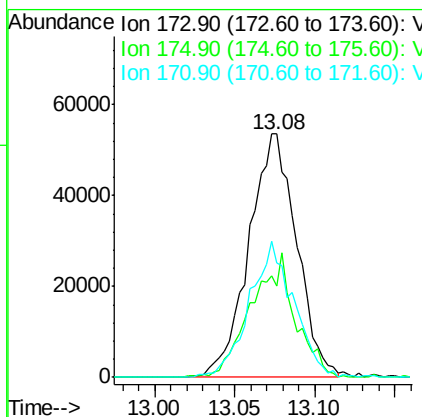
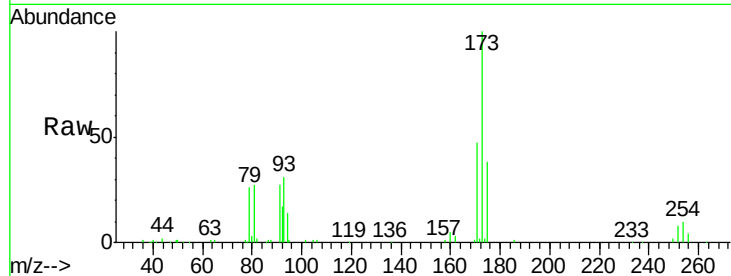
#49
Bromoform
Concen: 0.848 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.6	58.0
171	52.2	41.5	62.3

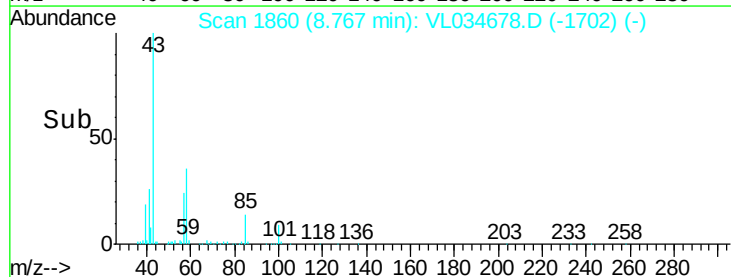
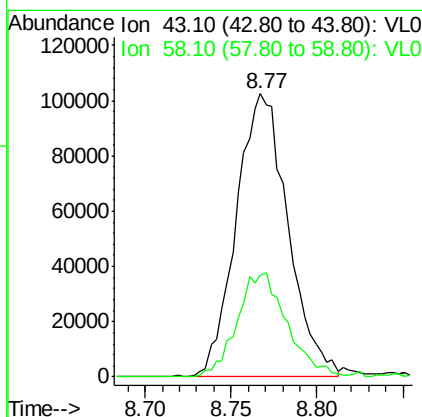
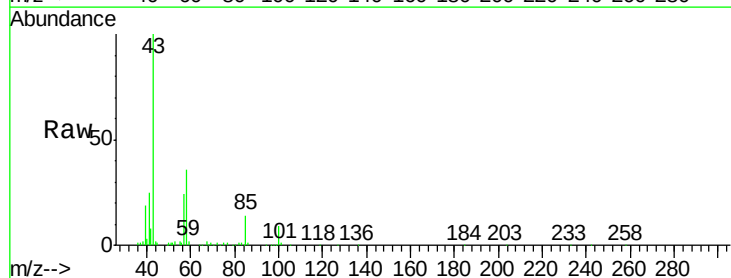
Manual Integrations
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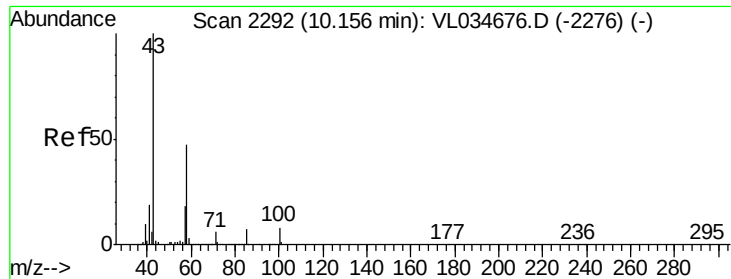
MMDadoda
2/27/2020 5:19:19 PM



#50
4-Methyl-2-Pentanone
Concen: 0.905 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.6





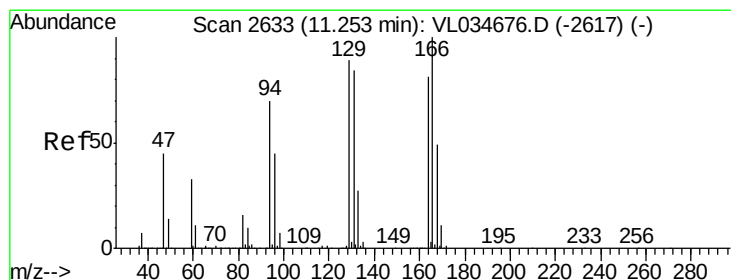
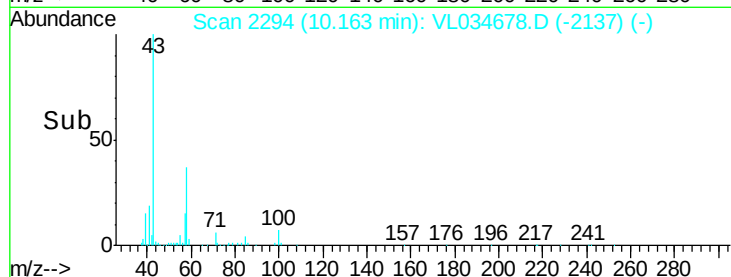
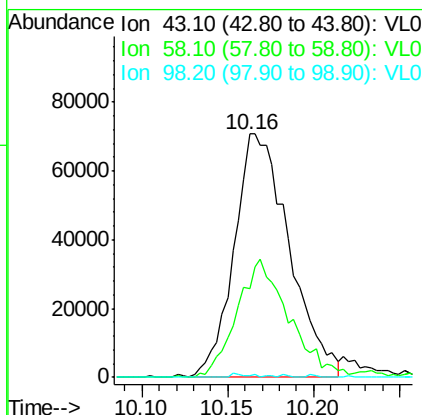
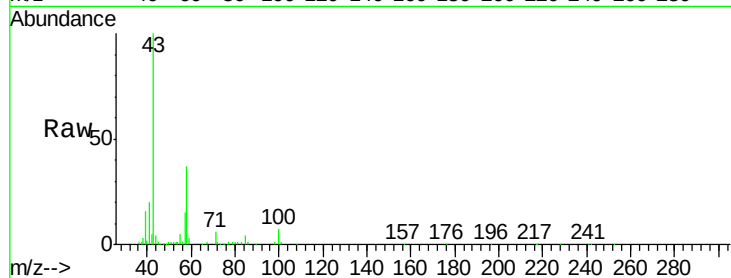
#51
2-Hexanone
Concen: 0.850 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	39.4	59.0
98	1.0	0.2	0.2#

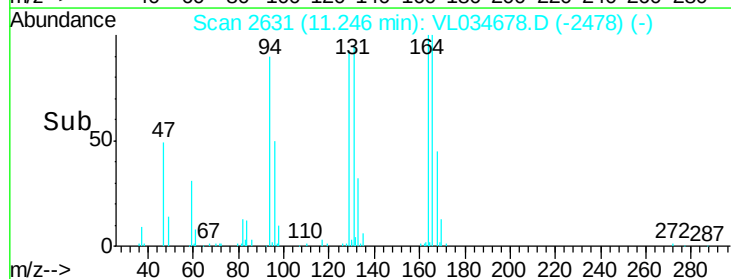
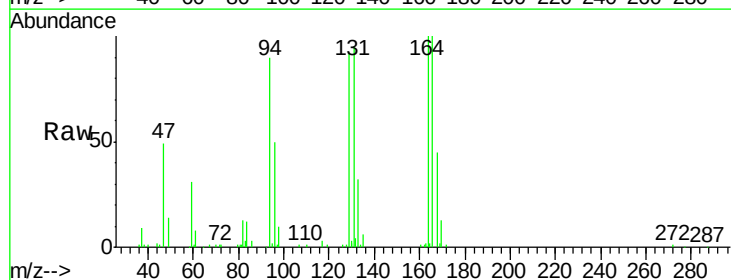
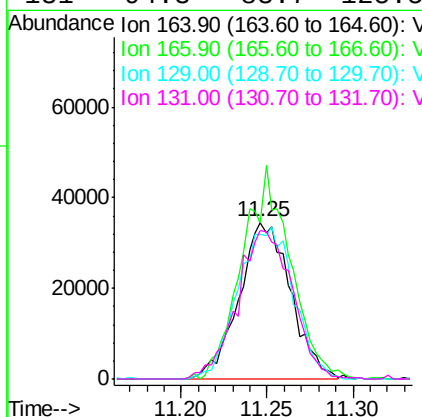
Manual Integrations
APPROVED

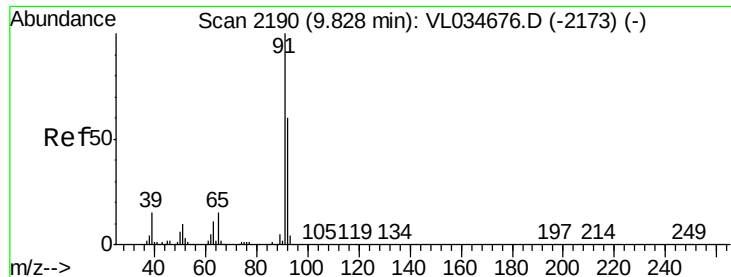
MMDadoda
2/27/2020 5:19:19 PM



#52
Tetrachloroethene
Concen: 0.925 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	99.3	99.2	148.8
129	94.3	88.0	132.0
131	94.3	83.7	125.5





#53

Toluene

Concen: 0.910 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 216198

Ion Ratio Lower Upper

91 100

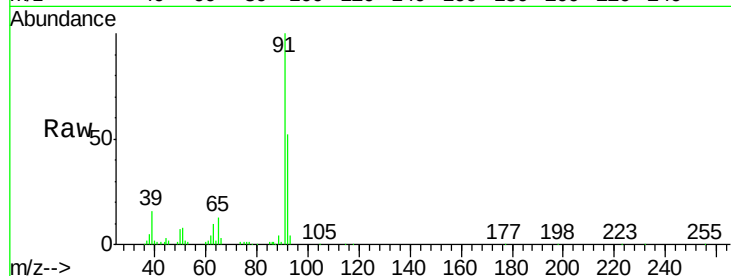
92 61.4 48.5 72.7

Manual Integrations

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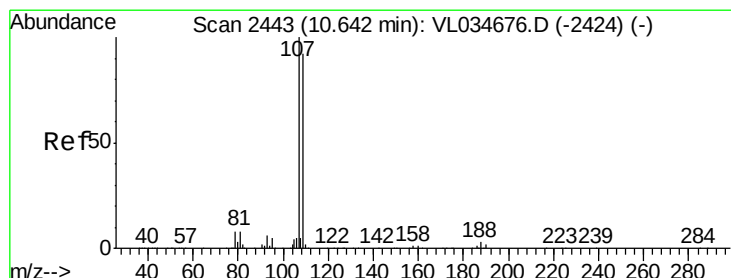
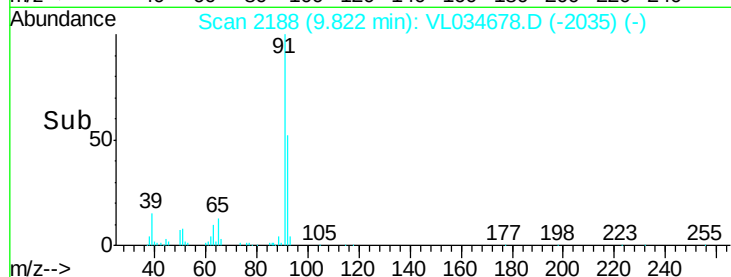
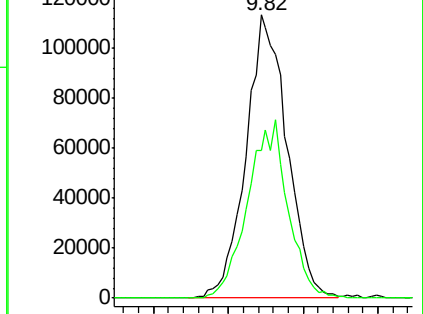
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.947 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034678.D

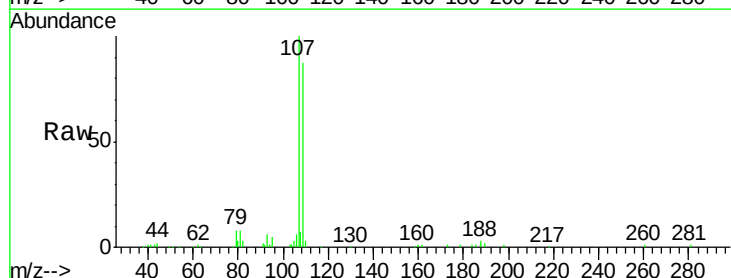
Acq: 26 Feb 2020 3:46

Tgt Ion: 107 Resp: 126742

Ion Ratio Lower Upper

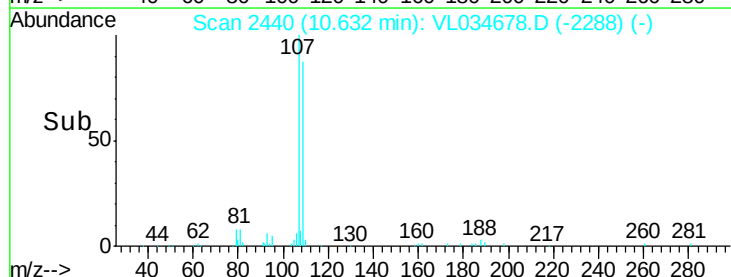
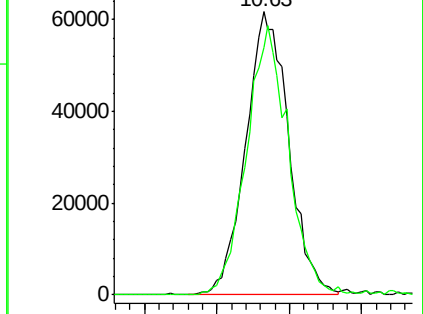
107 100

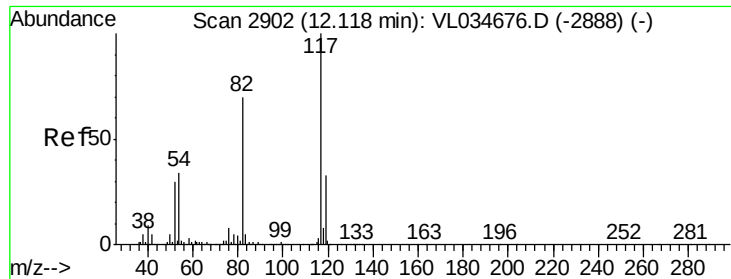
109 87.5 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





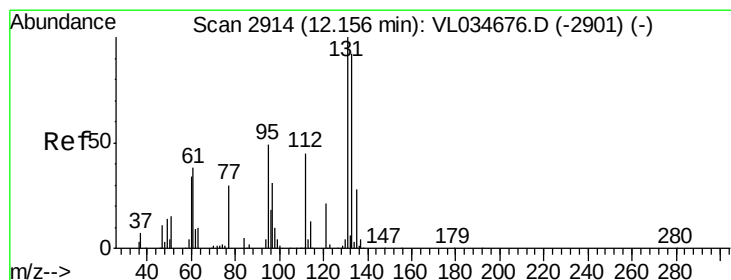
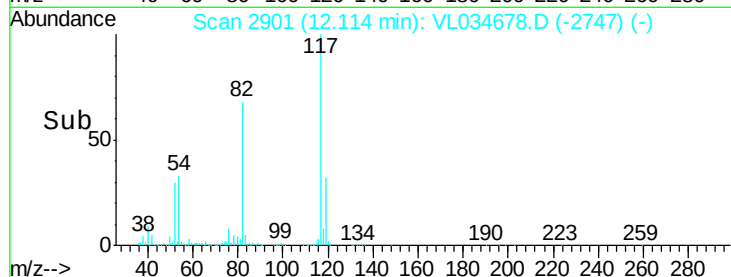
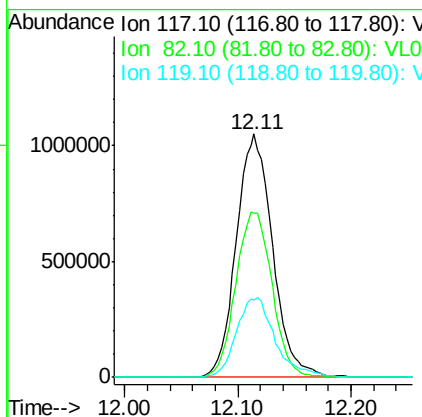
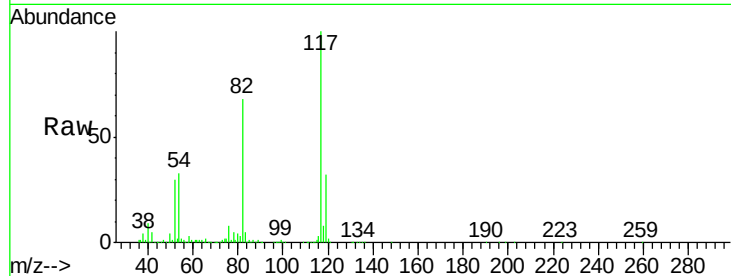
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	54.1	81.1
119	35.1	27.6	41.4

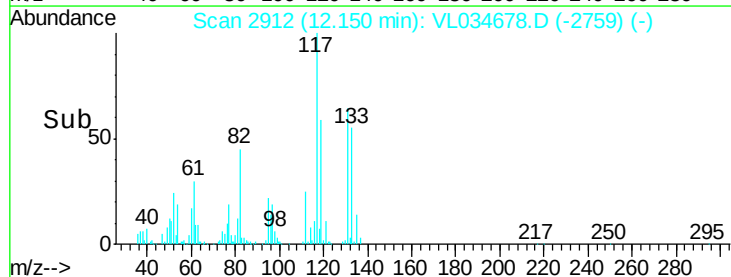
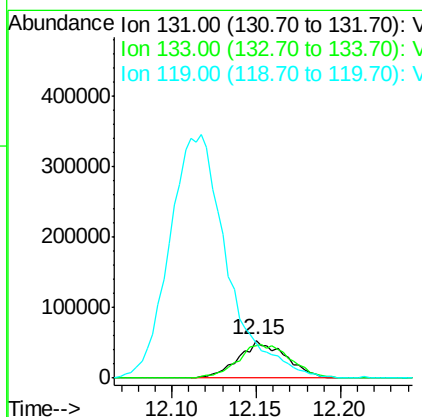
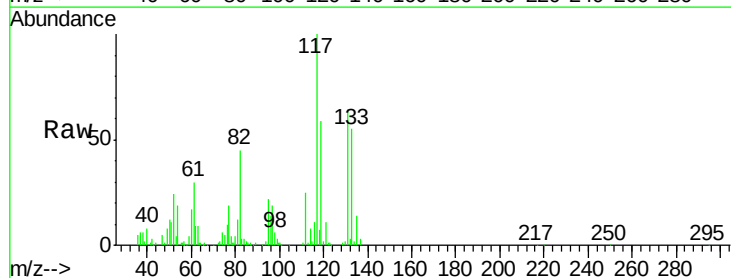
Manual Integrations
APPROVED

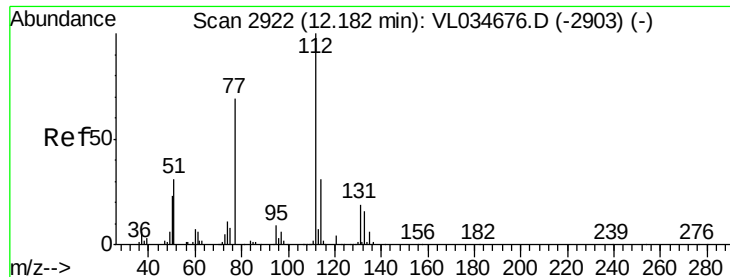
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.004 ppbv m
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.4	76.6	114.8
119	0.0	51.3	76.9#





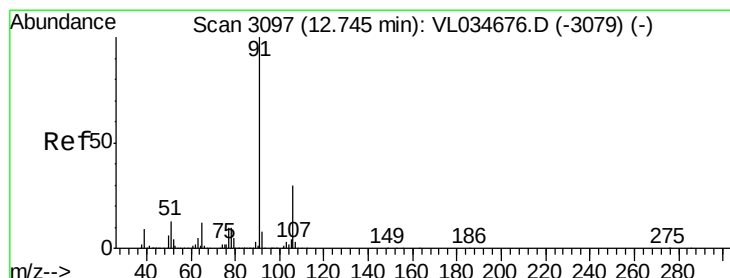
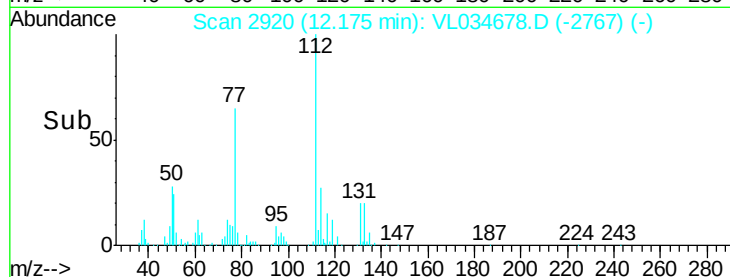
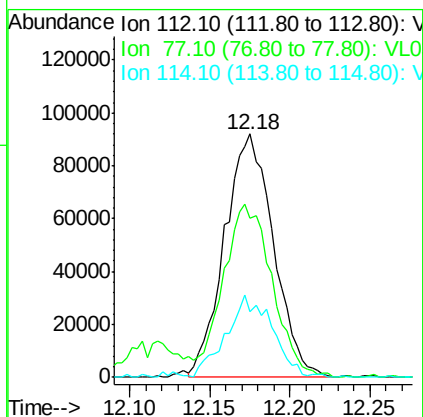
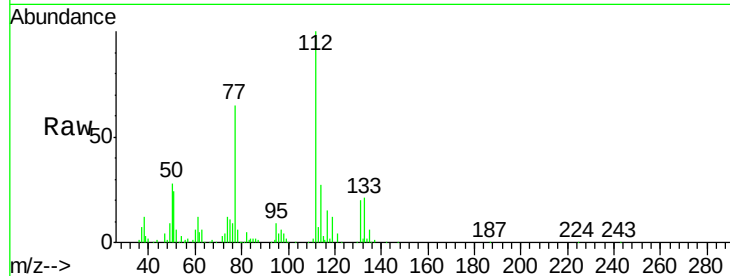
#57
Chlorobenzene
Concen: 0.994 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.1	56.5	84.7
114	27.1	28.1	34.3#

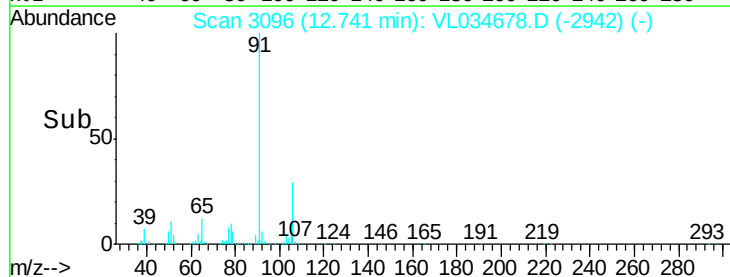
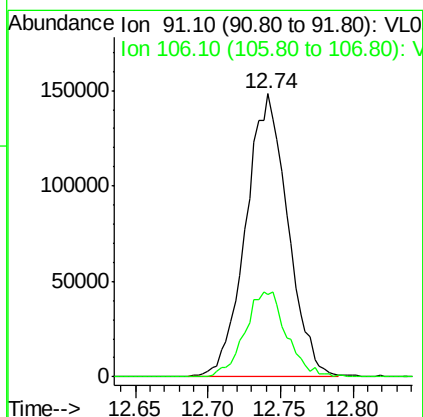
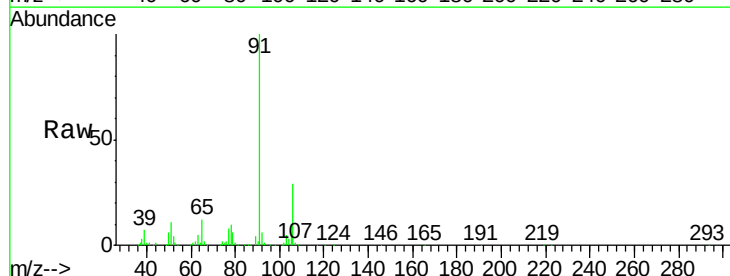
Manual Integrations
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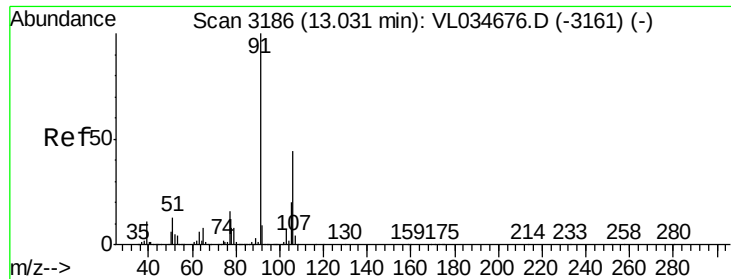
MMDadoda
2/27/2020 5:19:19 PM



#58
Ethyl Benzene
Concen: 0.959 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.0	36.0





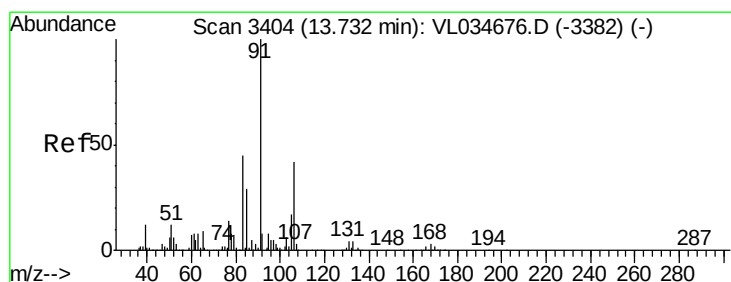
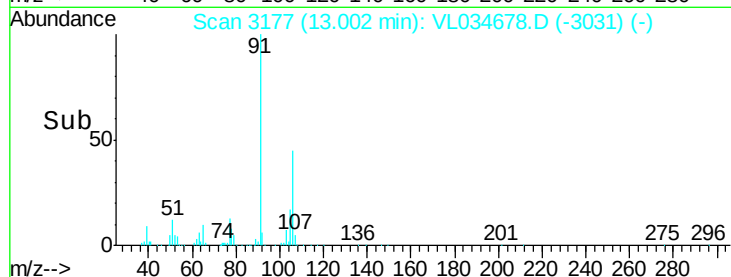
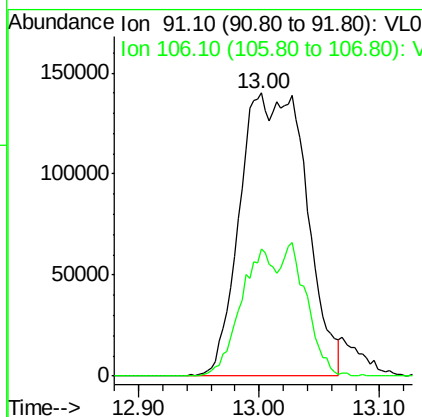
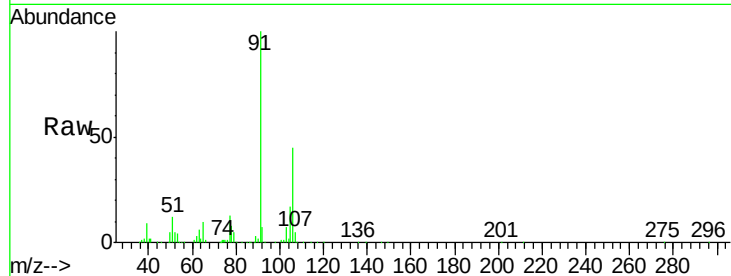
#59
m/p-Xylene
Concen: 1.967 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.03 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 538871
Ion Ratio Lower Upper
91 100
106 42.0 35.6 53.4

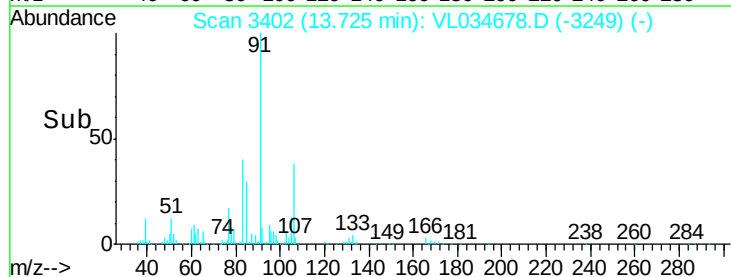
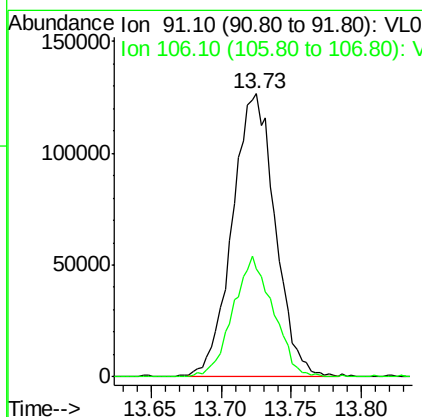
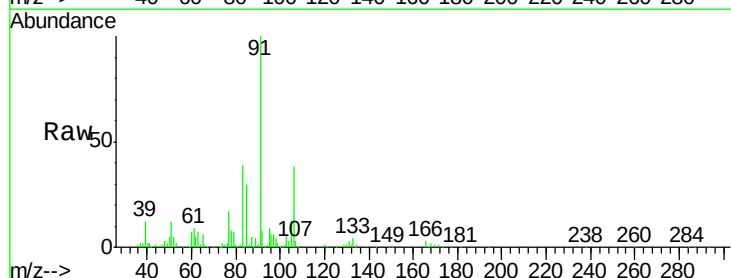
Manual Integrations
APPROVED

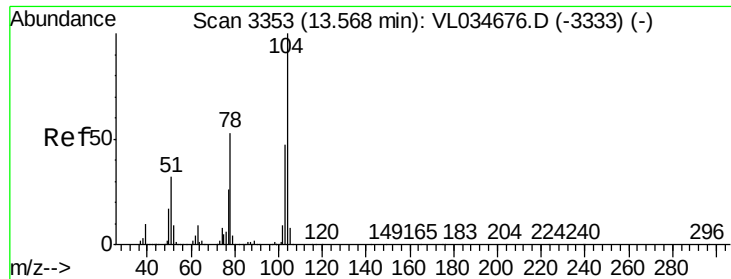
MMDadoda
2/27/2020 5:19:19 PM



#60
o-Xylene
Concen: 0.975 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 91 Resp: 266911
Ion Ratio Lower Upper
91 100
106 40.6 21.9 65.5





#61

Stvrene

Concen: 0.849 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

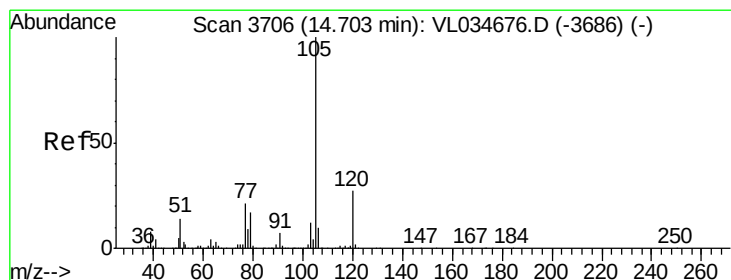
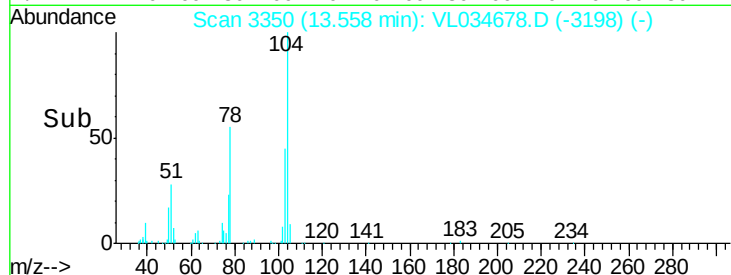
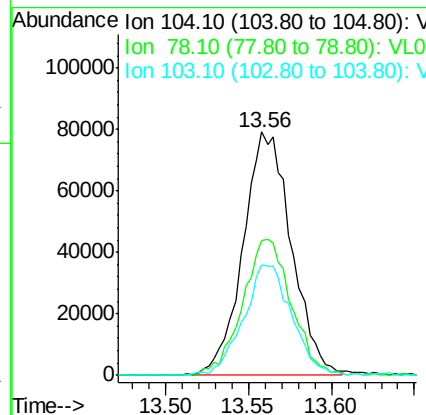
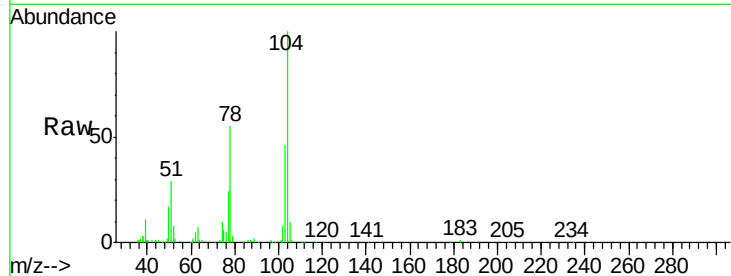
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	158778
Ion Ratio	Lower	Upper	
104	100		
78	57.0	44.2	66.4
103	46.4	37.4	56.0

Manual Integrations
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MMDadoda
2/27/2020 5:19:19 PM



#62

Isopropylbenzene

Concen: 1.079 ppbv

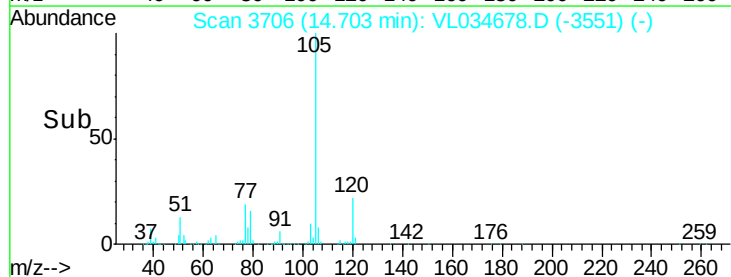
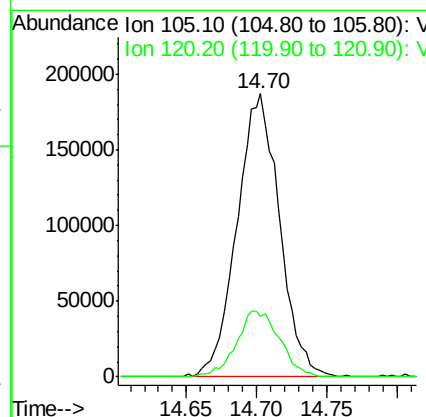
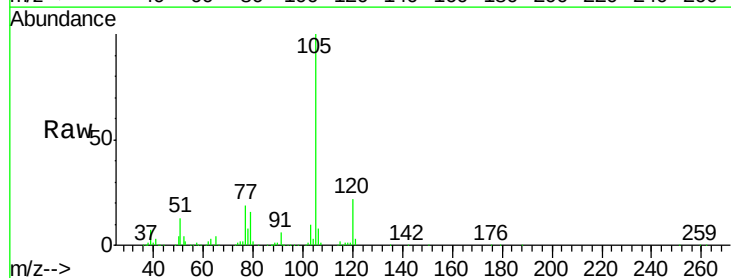
RT: 14.70 min Scan# 3706

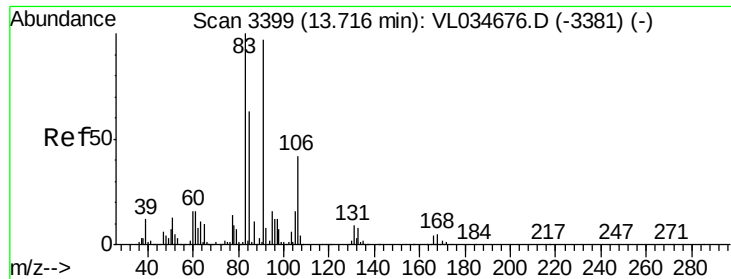
Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion:	105	Resp:	391165
Ion Ratio	Lower	Upper	
105	100		
120	24.1	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.907 ppbv m

RT: 13.71 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

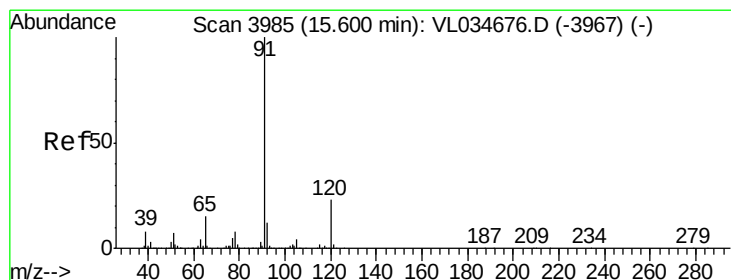
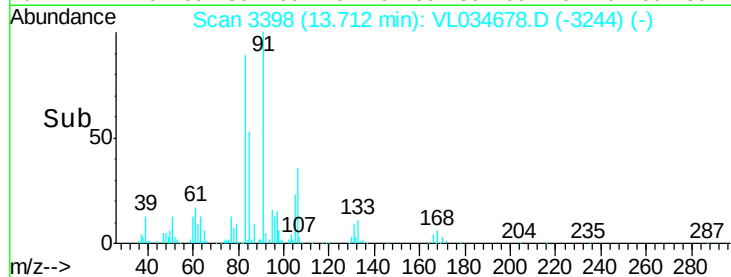
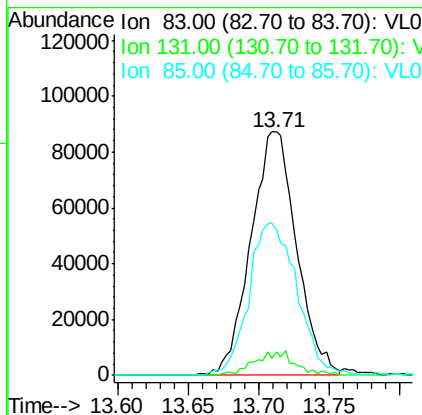
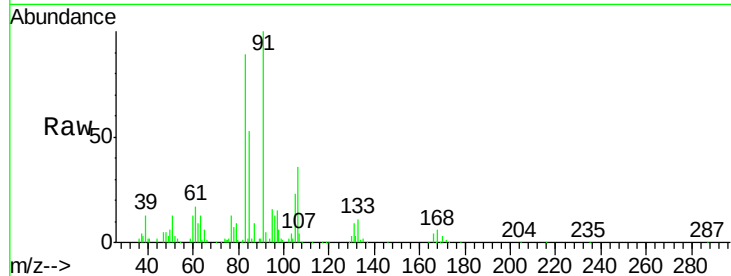
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	197037
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.4	13.2
85	66.0	32.5	97.5

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#64

n-propylbenzene

Concen: 1.023 ppbv m

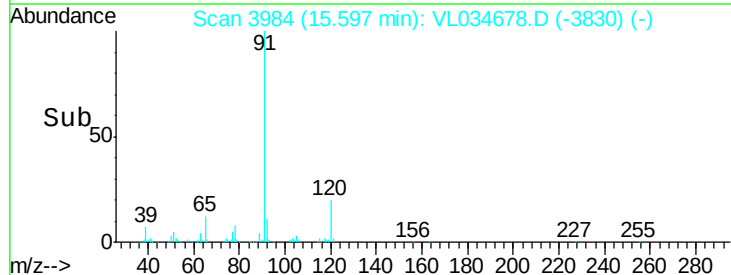
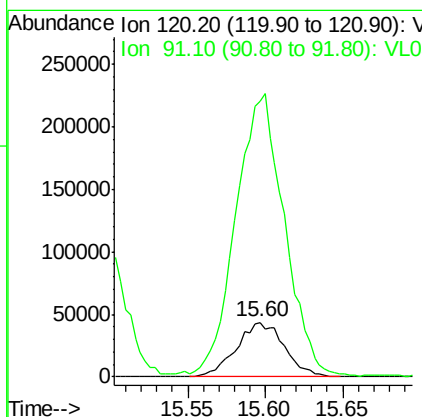
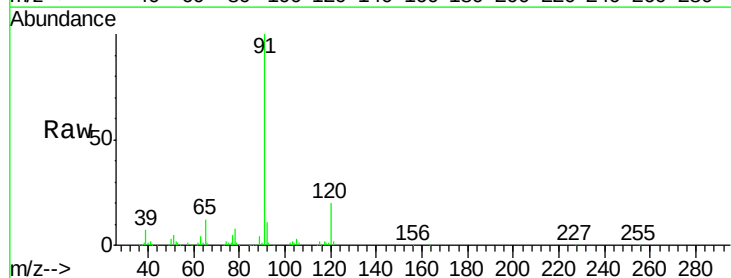
RT: 15.60 min Scan# 3984

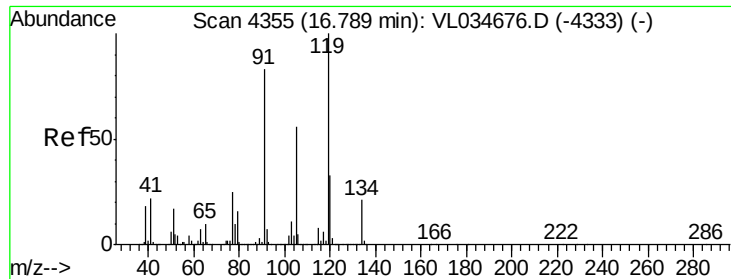
Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Tgt Ion:	120	Resp:	94116
Ion Ratio	Lower	Upper	
120	100		
91	531.5	369.8	554.8





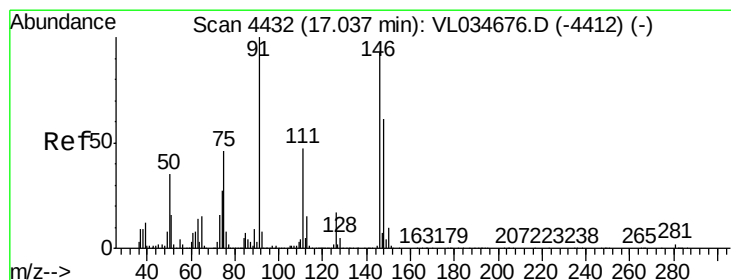
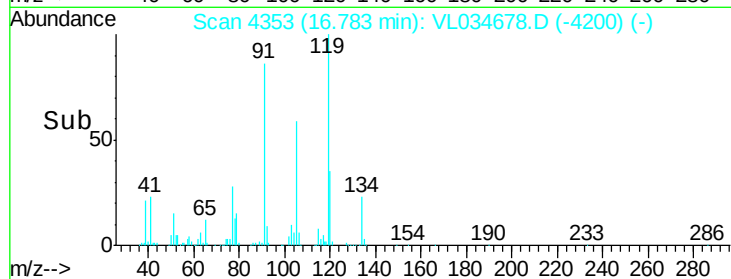
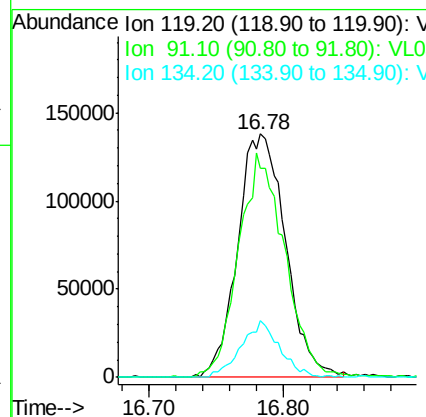
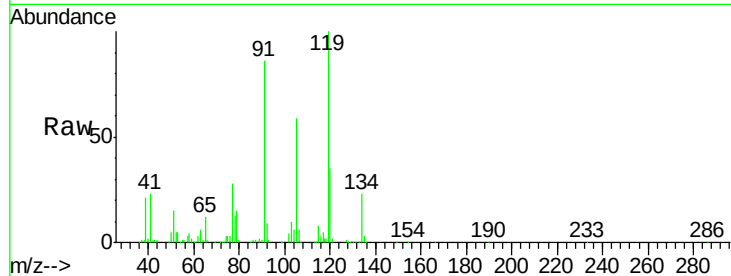
#65
tert-Butylbenzene
Concen: 1.074 ppbv m
RT: 16.78 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	339422		
91	89.2	69.1	103.7	
134	19.1	15.8	23.8	

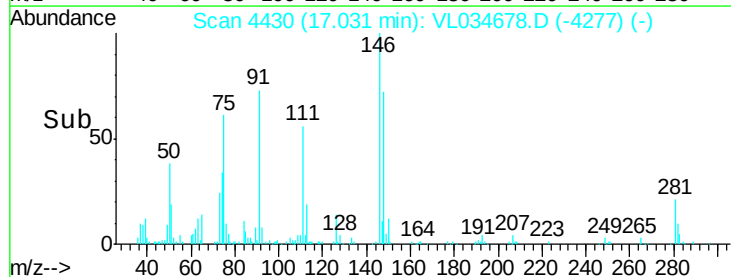
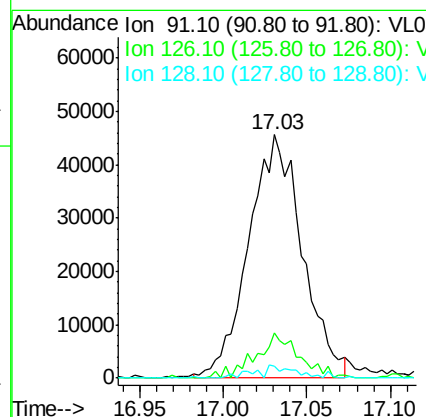
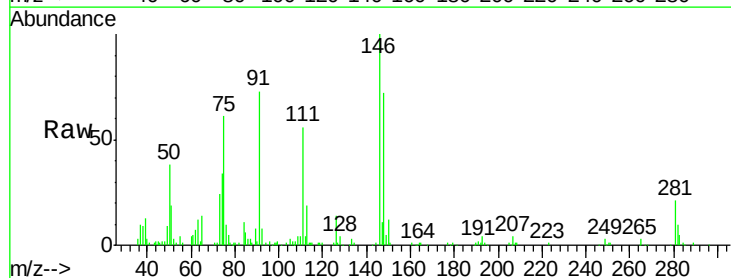
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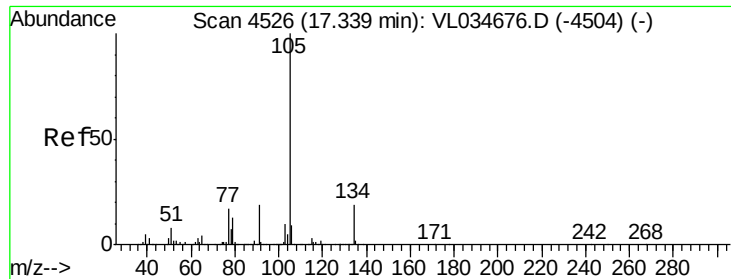
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#66
Benzyl Chloride
Concen: 0.832 ppbv m
RT: 17.03 min Scan# 4430
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	101497		
126	15.1	13.5	20.3	
128	1.1	4.2	6.4	





#67

sec-Butylbenzene

Concen: 1.094 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.01 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 494018

Ion Ratio Lower Upper

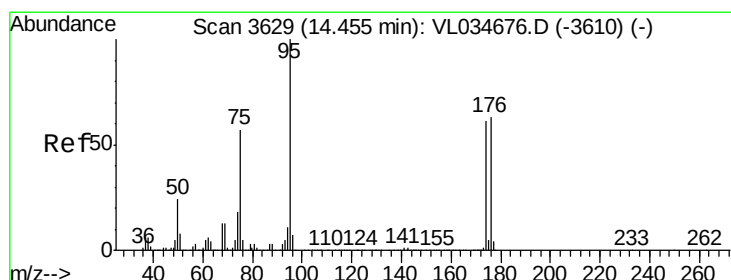
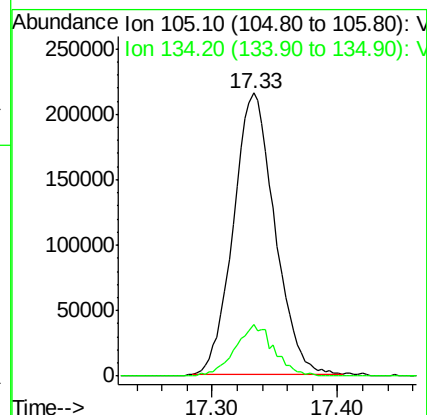
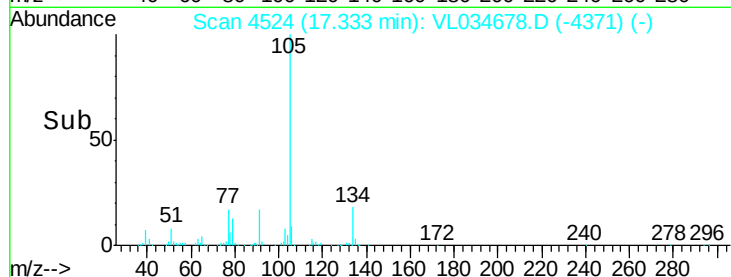
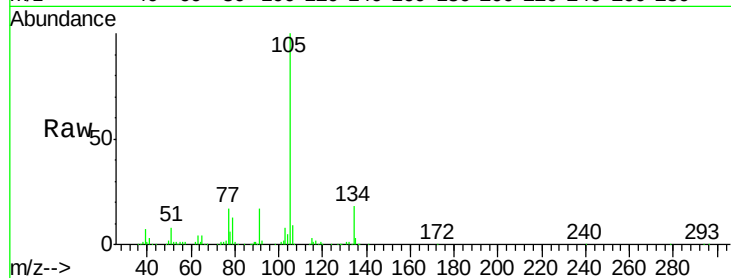
105 100

134 17.3 14.8 22.2

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.005 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034678.D

Acq: 26 Feb 2020 3:46

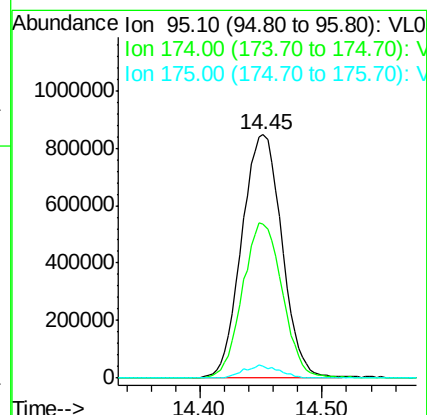
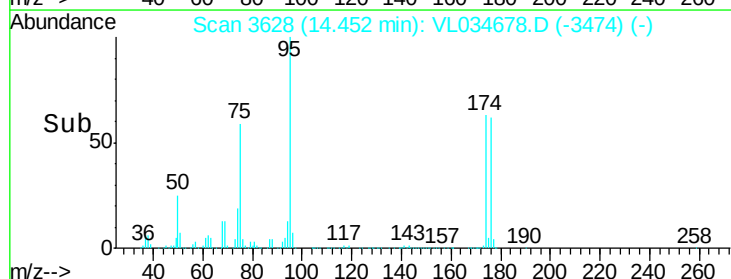
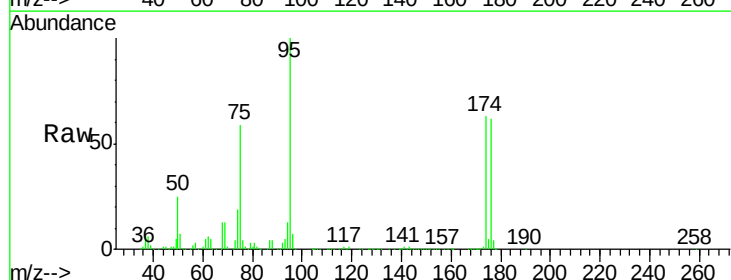
Tgt Ion: 95 Resp: 1927268

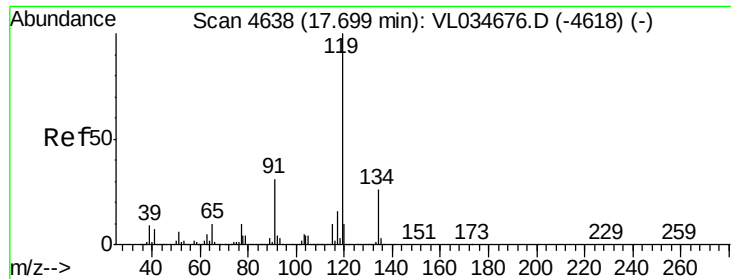
Ion Ratio Lower Upper

95 100

174 63.7 50.7 76.1

175 4.8 3.9 5.9





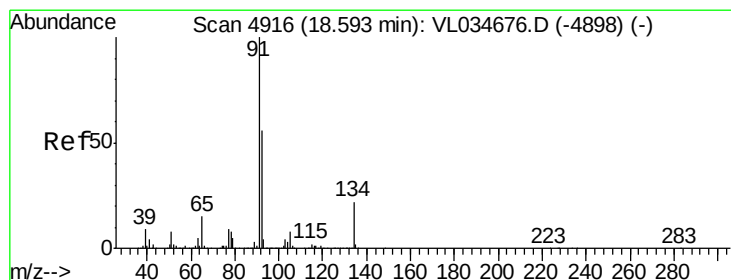
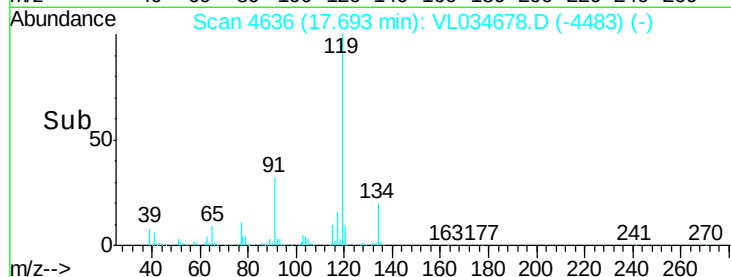
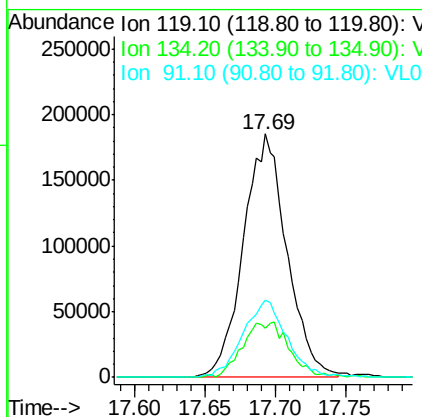
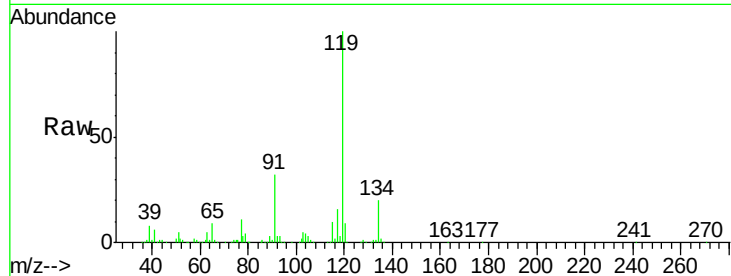
#69
 p-Isopropyltoluene
 Concen: 1.107 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	397304		
134	24.7	20.6	31.0	
91	32.8	25.3	37.9	

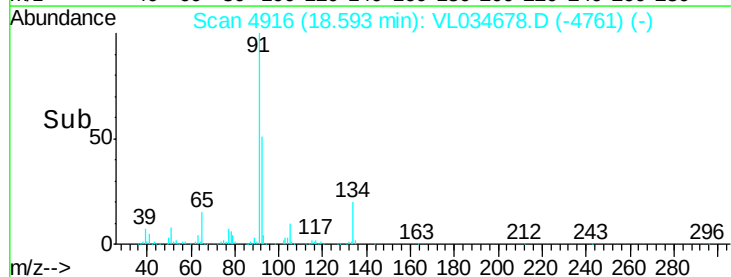
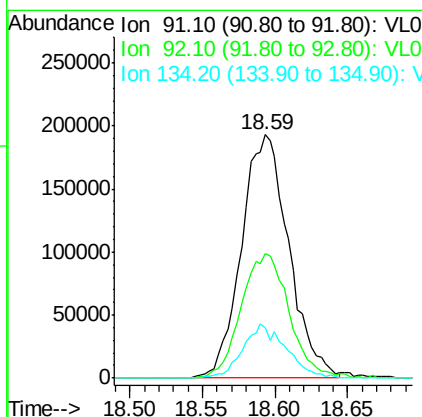
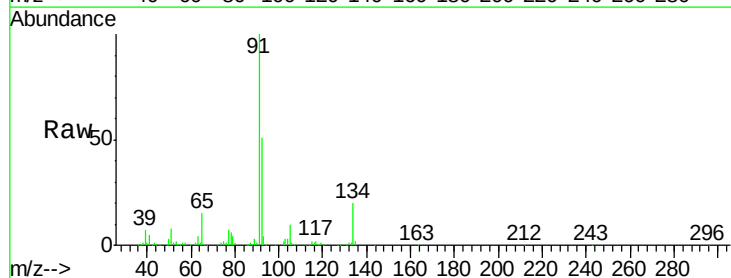
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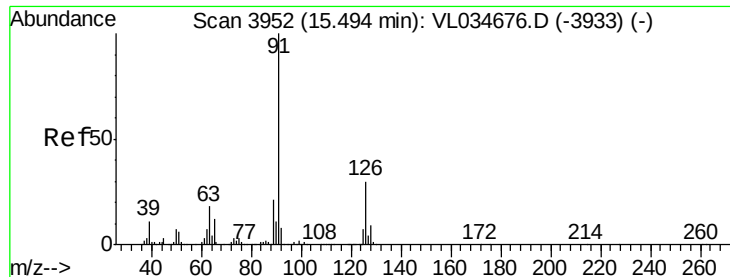
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#70
 n-Butylbenzene
 Concen: 1.136 ppbv m
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	436057		
92	52.0	43.8	65.6	
134	20.4	17.6	26.4	





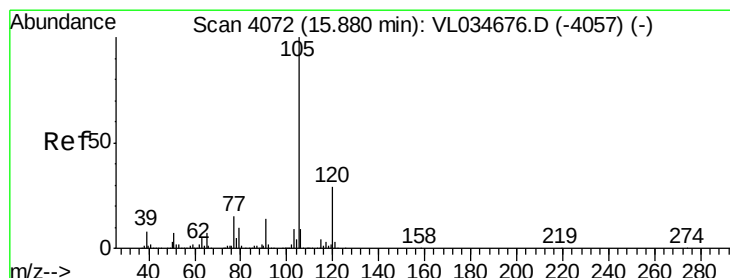
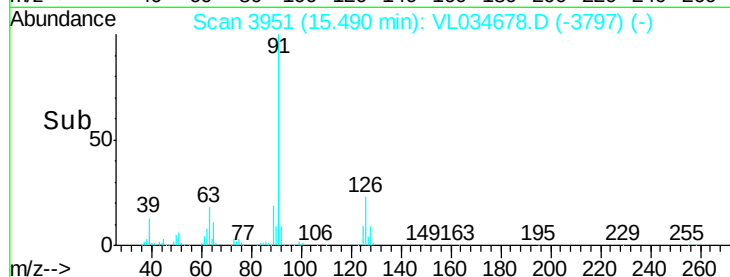
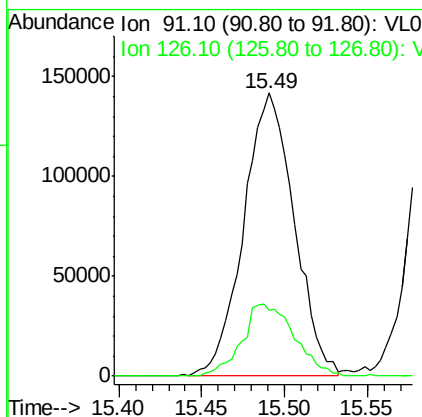
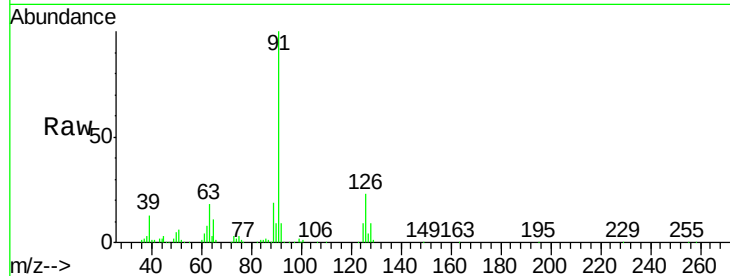
#71
2-Chlorotoluene
Concen: 1.078 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	26.6	11.8	47.2

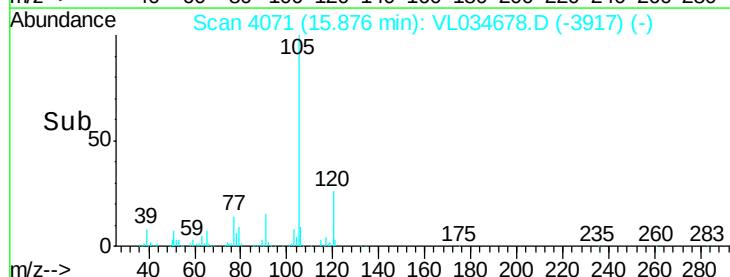
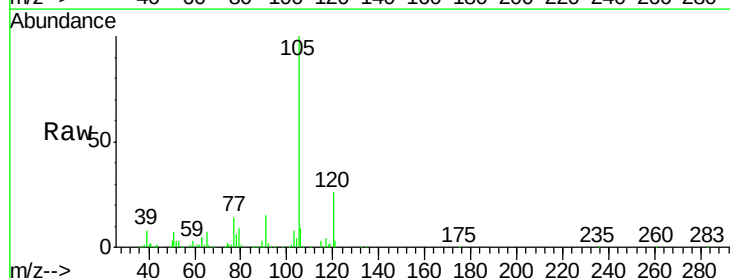
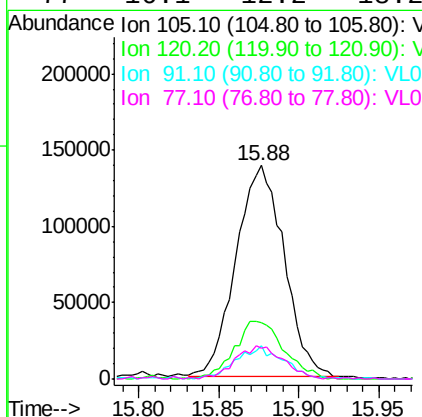
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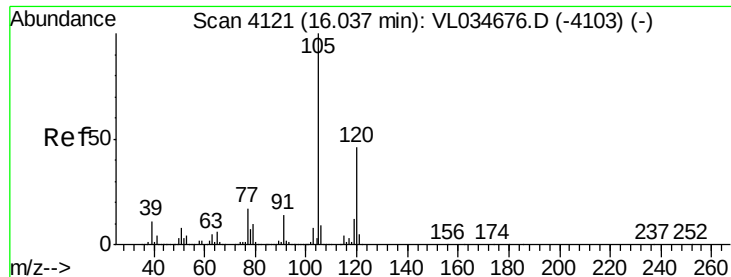
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#72
4-Ethyltoluene
Concen: 0.946 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.7	35.5
91	16.1	10.9	16.3
77	16.1	12.2	18.2





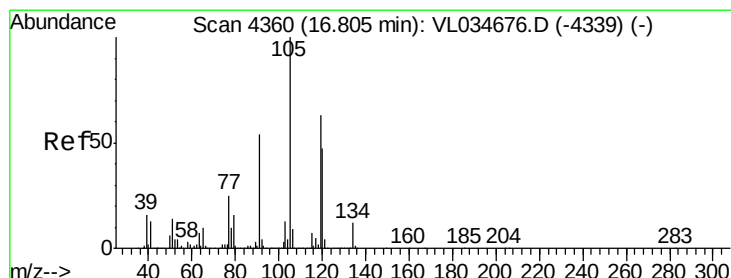
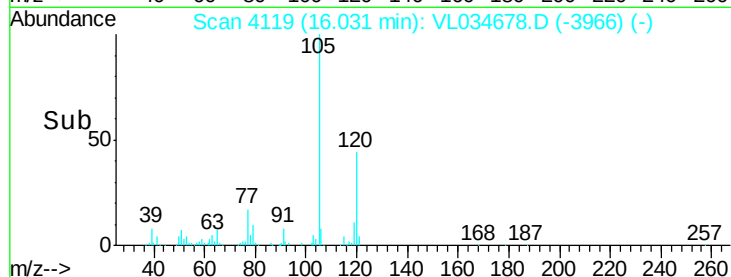
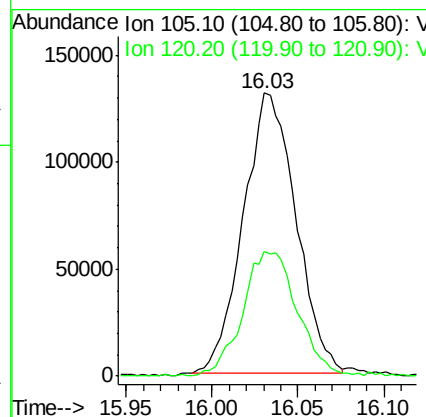
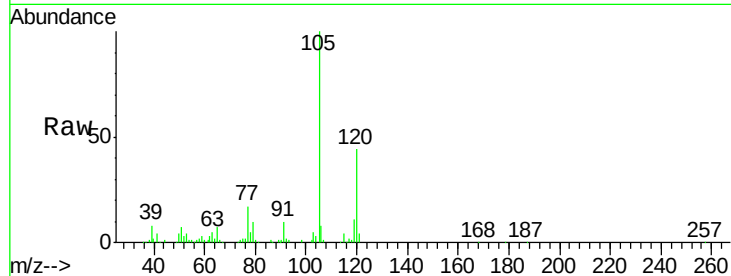
#73
 1,3,5-Trimethylbenzene
 Concen: 0.971 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.4	37.1	55.7

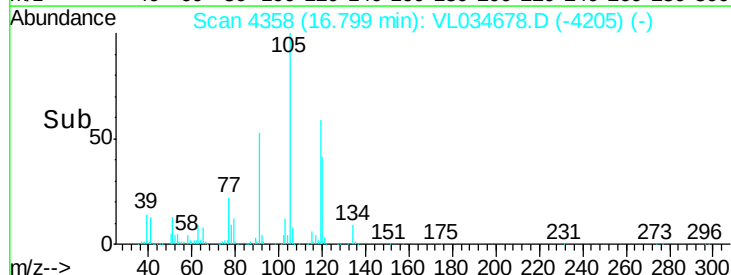
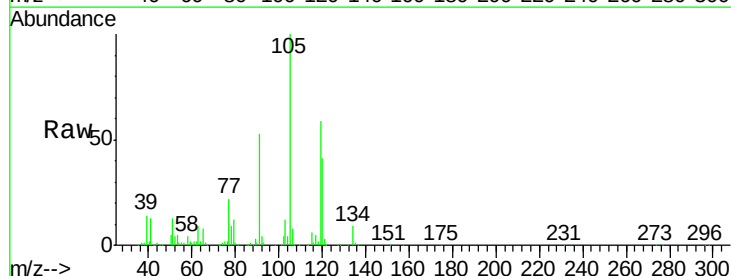
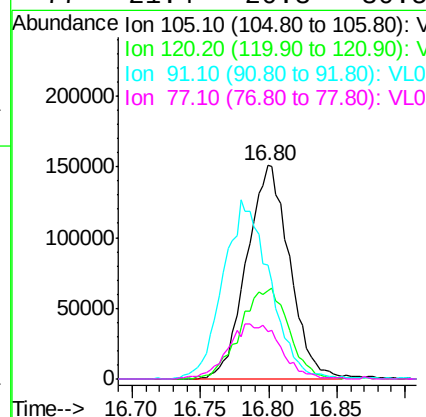
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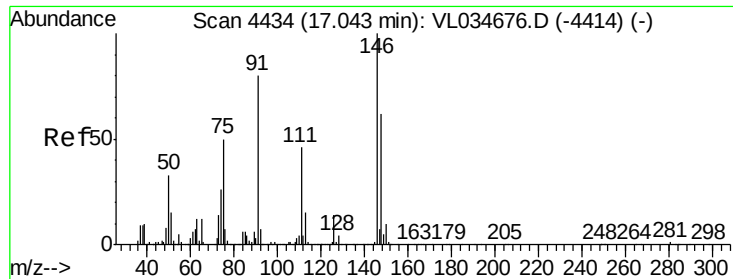
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.071 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.3	37.9	56.9
91	52.3	43.9	65.9
77	21.4	20.3	30.5





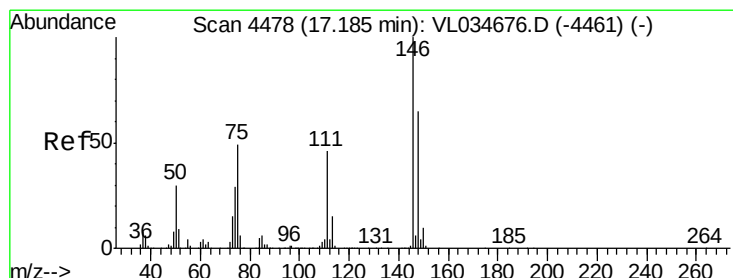
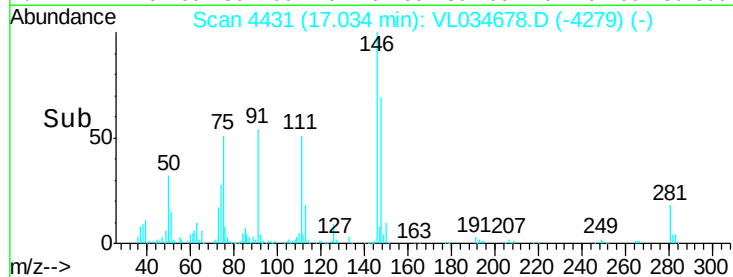
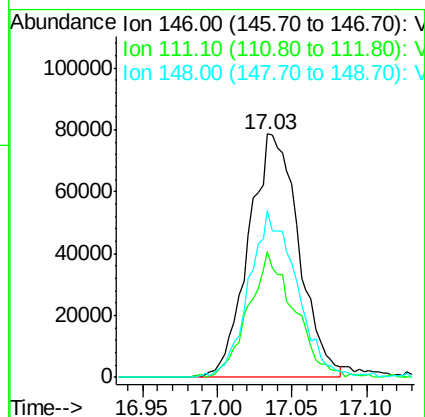
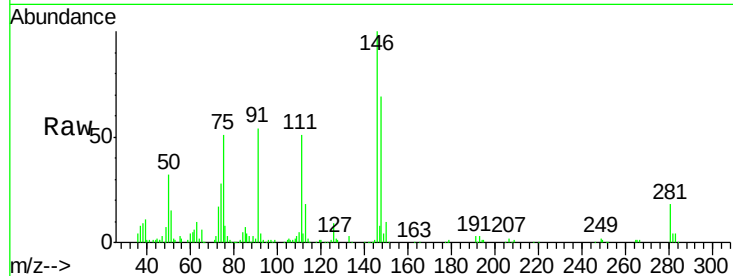
#75
 1,3-Dichlorobenzene
 Concen: 1.010 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	24.4	73.2
148	65.2	32.5	97.4

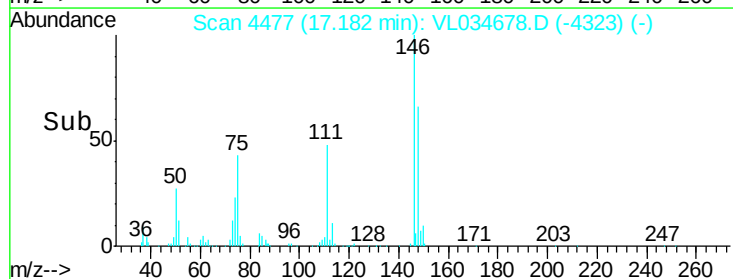
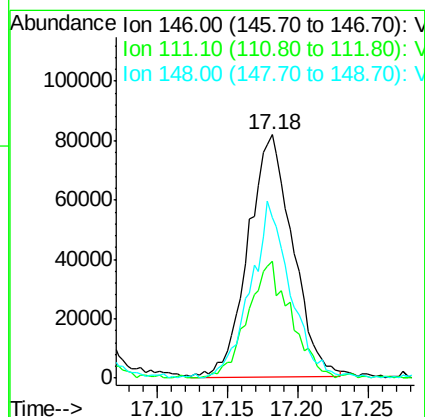
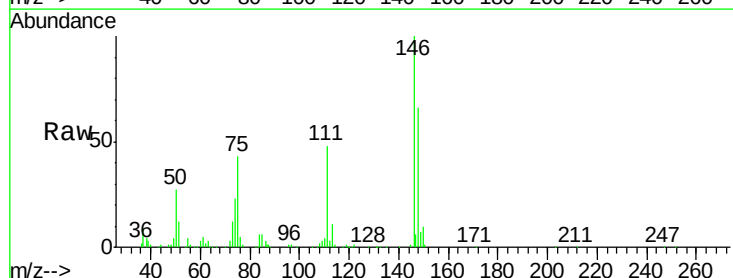
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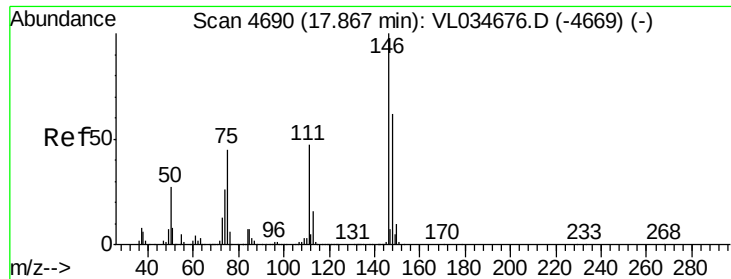
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#76
 1,4-Dichlorobenzene
 Concen: 1.012 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.0
148	65.5	31.9	95.5





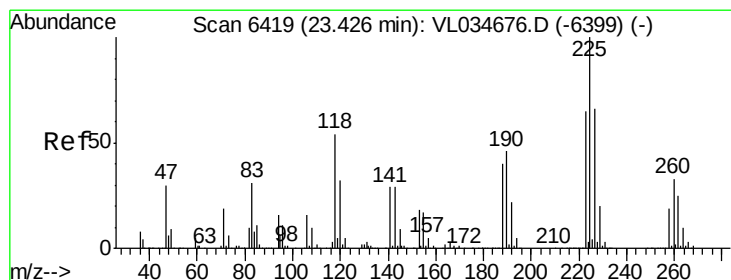
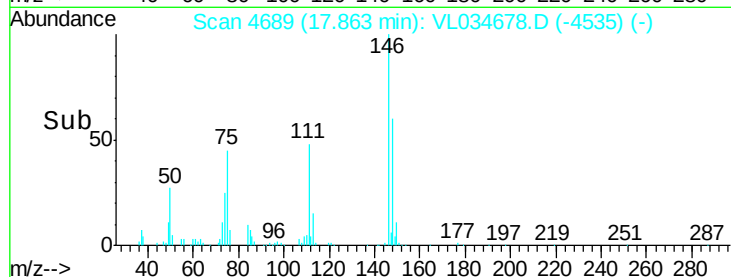
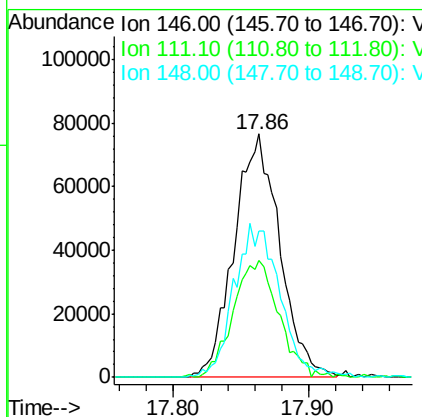
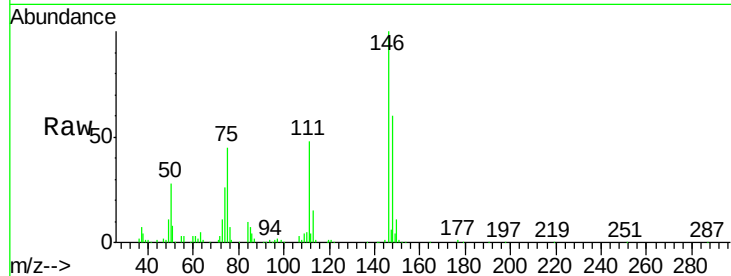
#77
 1,2-Dichlorobenzene
 Concen: 1.027 ppbv m
 RT: 17.86 min Scan# 4689
 Delta R.T. -0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.9	74.7
148	63.7	32.0	96.0

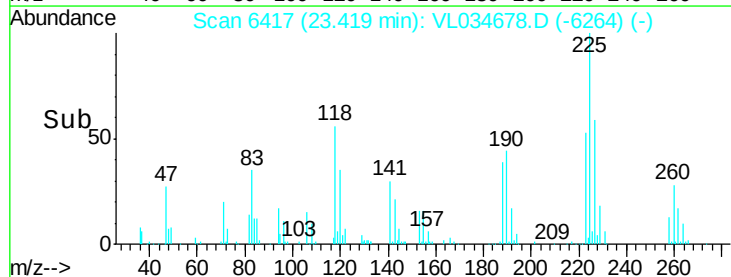
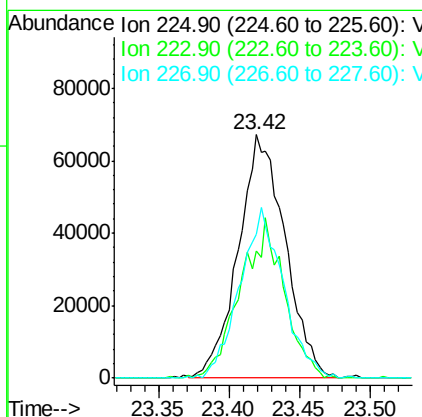
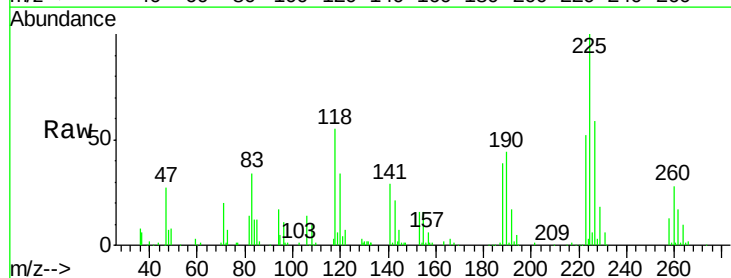
Manual Integrations
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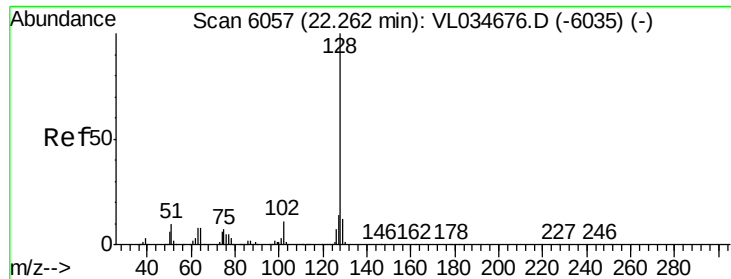
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.084 ppbv m
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.01 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	51.3	76.9#





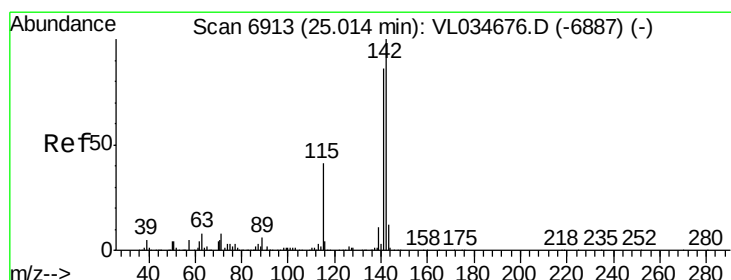
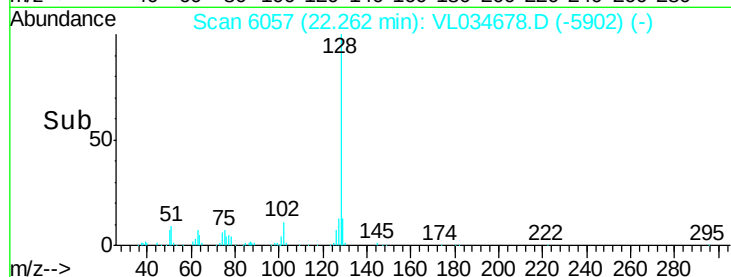
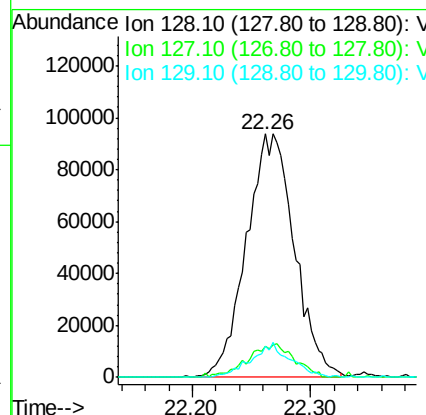
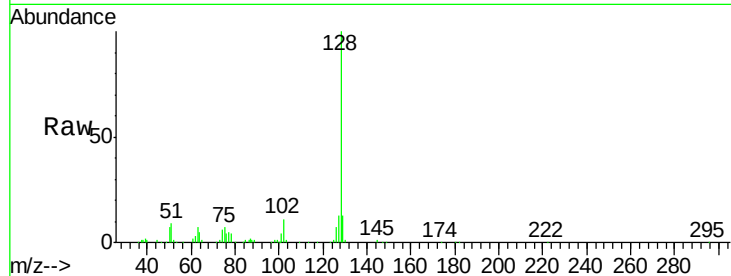
#79
Naphthalene
Concen: 1.117 ppbv m
RT: 22.26 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.6
129	12.6	9.4	14.2

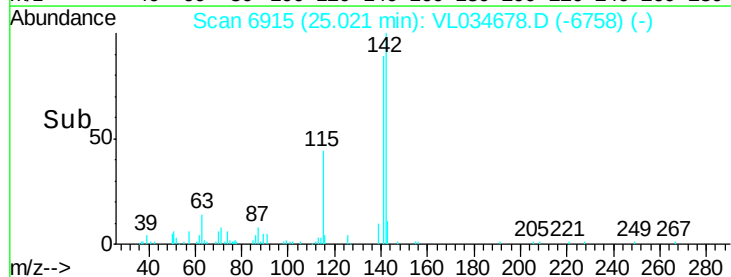
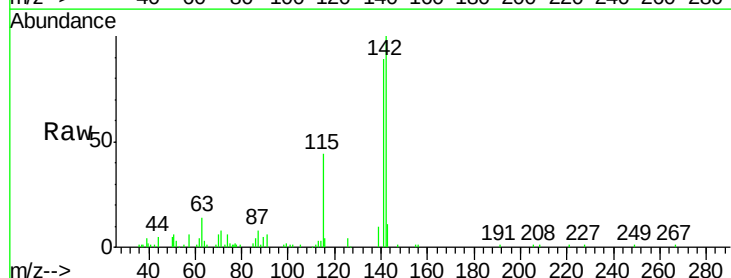
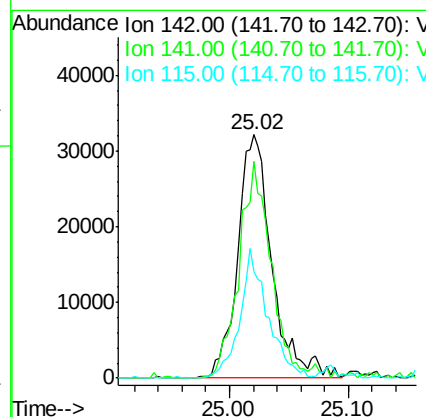
Manual Integrations
APPROVED

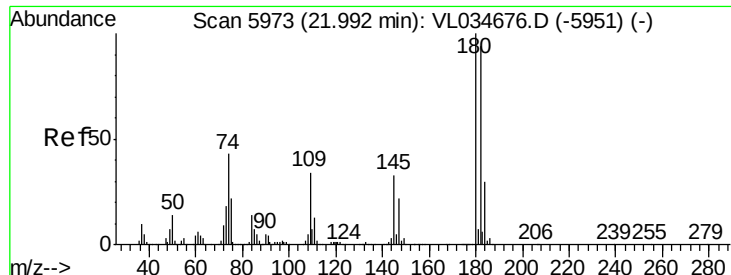
MMDadoda
2/27/2020 5:19:19 PM



#80
Naphthalene, 2-methyl-
Concen: 1.295 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.5	99.7
115	43.1	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 1.106 ppbv m
 RT: 21.99 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL034678.D
 Acq: 26 Feb 2020 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.5	76.5	114.7
184	30.1	25.2	37.8

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:19 PM

