

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032599.D
 Acq On : 11 Oct 2018 9:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 2:07:26 PM

Quant Time: Oct 12 12:51:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1576044	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3611928	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3848310m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2849410	9.82	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1795293	12.315	ppbv	99
3) Chlorodifluoromethane	3.03	51	1109446	8.465	ppbv	95
4) Chloromethane	3.19	50	625381	8.183	ppbv	97
5) Vinyl Chloride	3.31	62	646764	8.375	ppbv	100
6) Bromomethane	3.53	94	400320	9.479	ppbv	98
7) Chloroethane	3.62	64	250483	9.104	ppbv	98
8) Dichlorotetrafluoroethane	3.24	85	1484040	9.318	ppbv	97
9) Propene	3.05	41	450152	7.916	ppbv	100
10) Heptane	8.28	43	1866272	8.948	ppbv	96
11) Trichlorofluoromethane	4.02	101	1670391	9.639	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1415849	9.995	ppbv	99
13) Ethanol	3.67	45	135667	7.937	ppbv	96
14) Bromoethene	3.81	108	499506	9.938	ppbv	100
15) Acetone	3.92	43	1164114	8.415	ppbv	99
16) 1,3-Butadiene	3.38	39	525878	9.373	ppbv	97
17) tert-Butyl alcohol	4.38	59	153850	8.850	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	696017	10.492	ppbv	93
19) Isopropyl Alcohol	4.04	45	885307	9.187	ppbv	99
20) Methylene Chloride	4.43	84	603767	9.013	ppbv	98
21) Allyl Chloride	4.50	41	1107736	9.797	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	665558	10.645	ppbv	96
23) Vinyl Acetate	5.18	43	1901980	7.780	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1809318	8.888	ppbv	99
25) Ethyl Acetate	5.80	43	2992244	8.914	ppbv	99
26) Hexane	5.80	57	1404190	9.261	ppbv	99
27) Carbon Disulfide	4.64	76	1676722	10.286	ppbv	98
28) Methyl tert-Butyl Ether	5.13	73	1684332	8.917	ppbv	97
29) Chloroform	5.88	83	2226337	9.569	ppbv	99
30) Cyclohexane	7.28	84	1203871	9.751	ppbv	95
31) cis-1,2-Dichloroethene	5.67	61	1344154	9.308	ppbv	95
32) 1,1,1-Trichloroethane	6.65	97	2239582	9.033	ppbv	98
34) 2-Butanone	5.35	43	1894326	8.807	ppbv	97
35) Carbon Tetrachloride	7.16	117	2331297	9.289	ppbv	99
36) Benzene	7.04	78	2883841	9.880	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1746807	9.930	ppbv	98
38) Trichloroethene	7.99	130	1106329	9.902	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1167489	8.875	ppbv	98
40) 1,4-Dioxane	7.98	88	430627	10.677	ppbv #	1
41) Tetrahydrofuran	6.17	42	1116429	9.554	ppbv	94
42) Bromodichloromethane	7.95	83	2552961	9.687	ppbv	100
43) Methyl Methacrylate	8.16	69	1213673	9.953	ppbv	95

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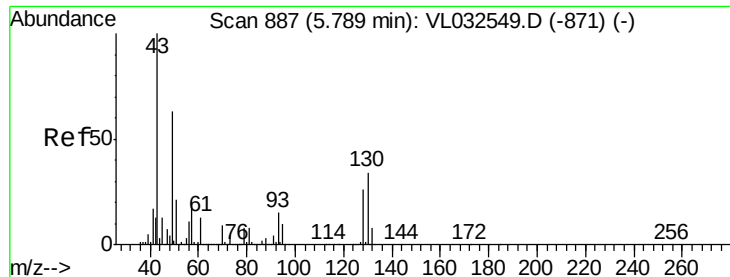
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5196240	9.109	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1663912	10.970	ppbv	98
46) cis-1,3-Dichloropropene	8.87	75	1841769	10.352	ppbv	97
47) 1,1,2-Trichloroethane	9.64	97	1339679	9.170	ppbv	97
48) Dibromochloromethane	10.49	129	2283745	9.941	ppbv	100
49) Bromoform	13.23	173	1811876	10.322	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2983047	8.823	ppbv	99
51) 2-Hexanone	10.30	43	2640453	9.443	ppbv	99
52) Tetrachloroethene	11.41	164	962056	9.466	ppbv	97
53) Toluene	9.97	91	3644918	10.247	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2025143	9.745	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1646315	9.517	ppbv #	60
57) Chlorobenzene	12.34	112	2759418	8.901	ppbv	97
58) Ethyl Benzene	12.90	91	4639262	9.938	ppbv	98
59) m/p-Xylene	13.18	91	7710905m	18.566	ppbv	
60) o-Xylene	13.88	91	3807039	9.415	ppbv	100
61) Styrene	13.72	104	2753870	10.411	ppbv	99
62) Isopropylbenzene	14.86	105	5347013	9.350	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2905472	8.088	ppbv	99
64) n-propylbenzene	15.75	120	1376557	9.370	ppbv	96
65) tert-Butylbenzene	16.94	119	4558032	9.299	ppbv	99
66) Benzyl Chloride	17.19	91	2771937	9.812	ppbv	100
67) sec-Butylbenzene	17.49	105	6685186	9.174	ppbv	100
69) p-Isopropyltoluene	17.85	119	5374338	9.548	ppbv	100
70) n-Butylbenzene	18.75	91	5791434	9.420	ppbv	99
71) 2-Chlorotoluene	15.65	91	4241267	9.738	ppbv	100
72) 4-Ethyltoluene	16.03	105	4397345	10.019	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4213880	9.879	ppbv	96
74) 1,2,4-Trimethylbenzene	16.96	105	4252381	9.259	ppbv	98
75) 1,3-Dichlorobenzene	17.20	146	2395209	8.452	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2361108	9.099	ppbv	99
77) 1,2-Dichlorobenzene	18.02	146	2390395	8.969	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	1464716	14.643	ppbv	99
79) Naphthalene	22.45	128	3777771	11.405	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1208034	15.534	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1781542	10.494	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

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Tot Ion: 49 Resp: 1576044

Ion Ratio Lower Upper

49 100

128 45.8 20.7 62.1

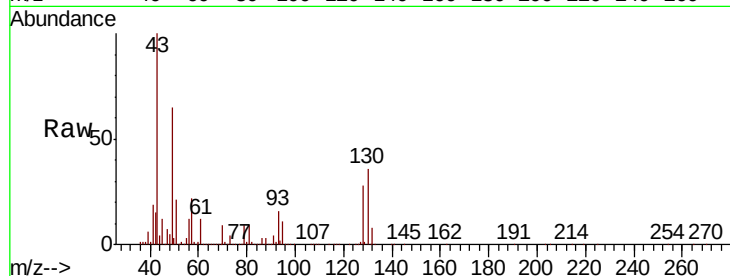
130 57.8 26.6 79.7

Manual Integrations

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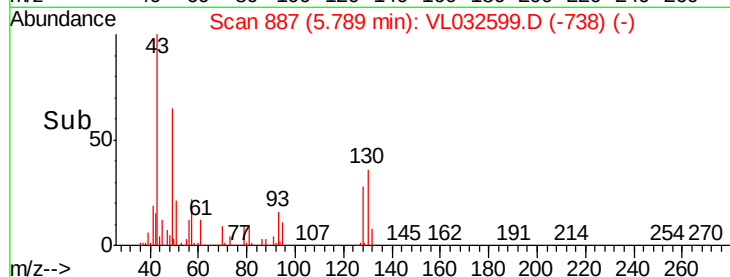


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

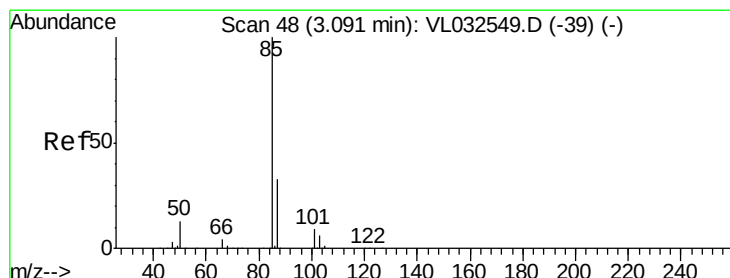
Ion 130.00 (129.70 to 130.70): V

Time-->



5.79

Time-->



#2

Dichlorodifluoromethane

Concen: 12.315 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032599.D

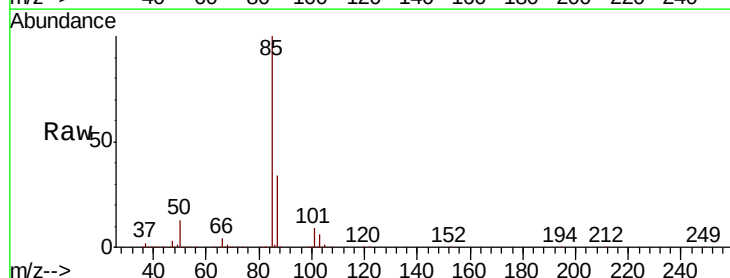
Acq: 11 Oct 2018 9:41

Tgt Ion: 85 Resp: 1795293

Ion Ratio Lower Upper

85 100

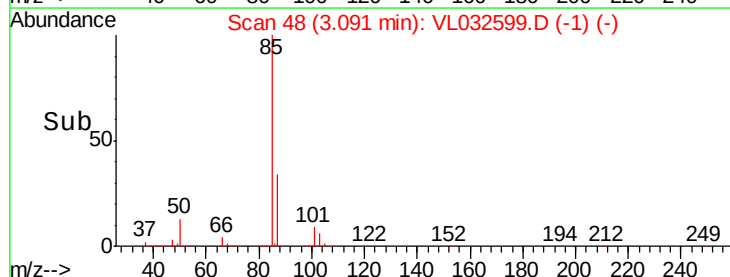
87 33.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

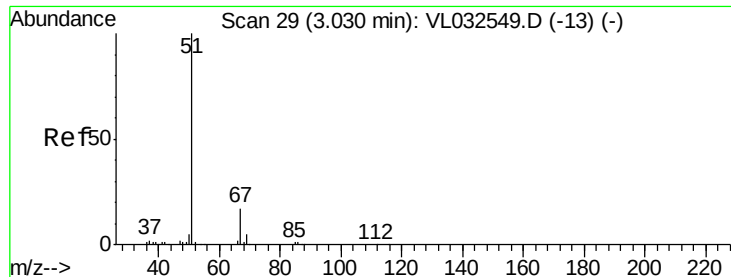
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.09

Time-->



#3

Chlorodifluoromethane

Concen: 8.465 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1109446

Ion Ratio Lower Upper

51 100

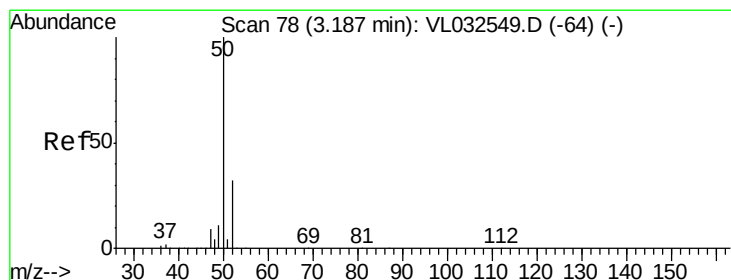
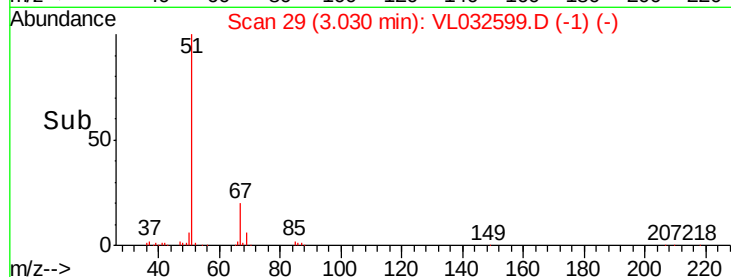
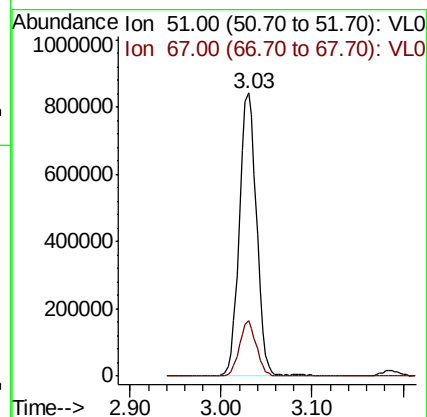
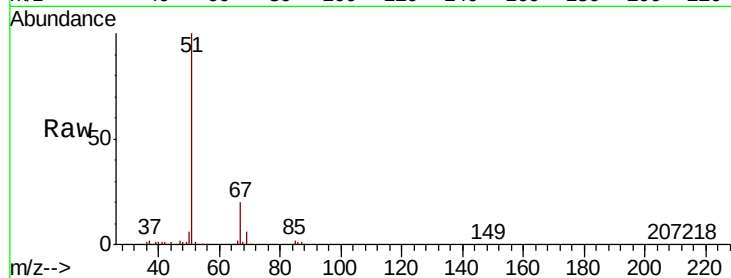
67 19.3 13.8 20.8

Manual Integrations

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#4

Chloromethane

Concen: 8.183 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032599.D

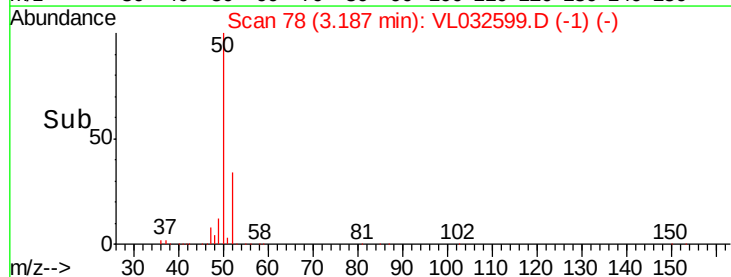
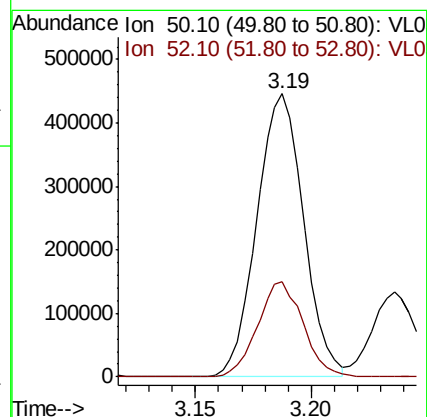
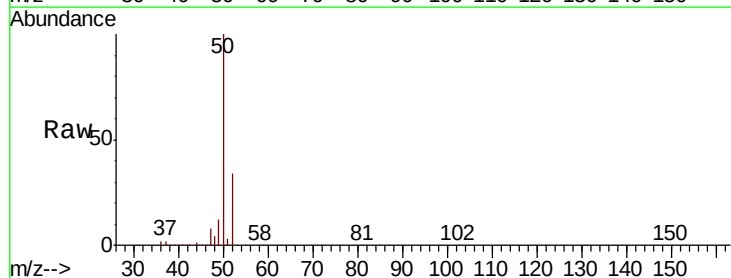
Acq: 11 Oct 2018 9:41

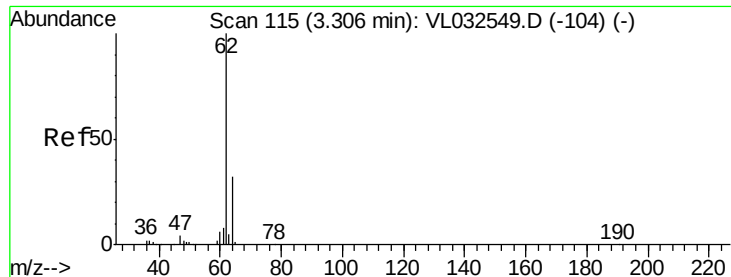
Tgt Ion: 50 Resp: 625381

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4





#5

Vinyl Chloride

Concen: 8.375 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 646764

Ion Ratio Lower Upper

62 100

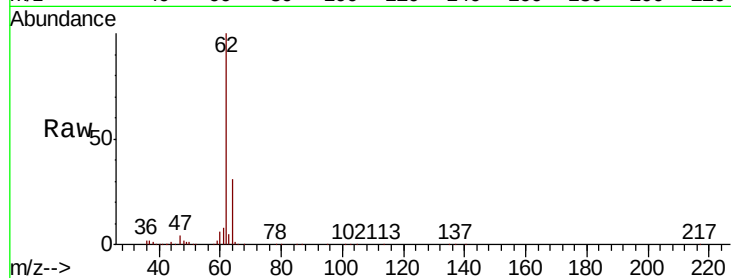
64 31.2 25.0 37.6

Manual Integrations

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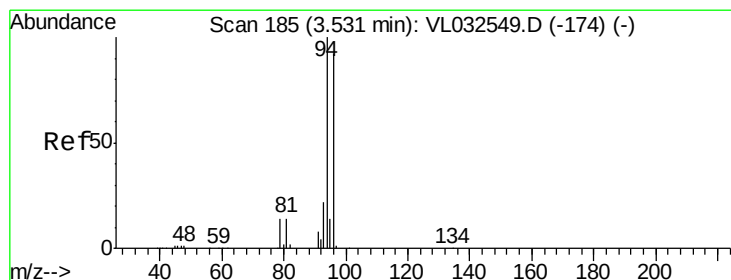
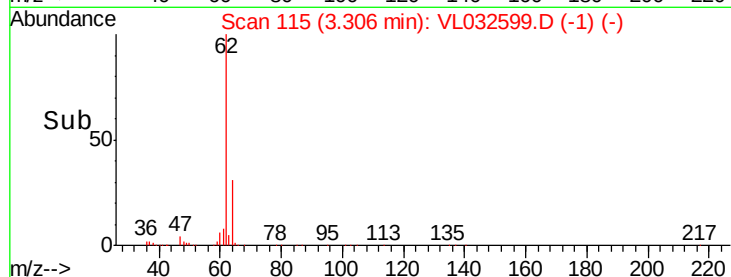
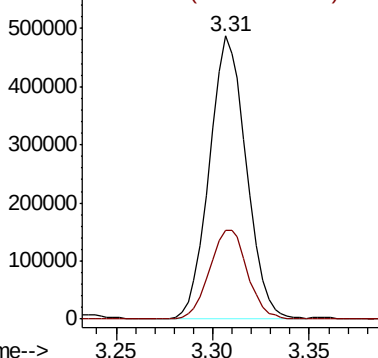
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.479 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032599.D

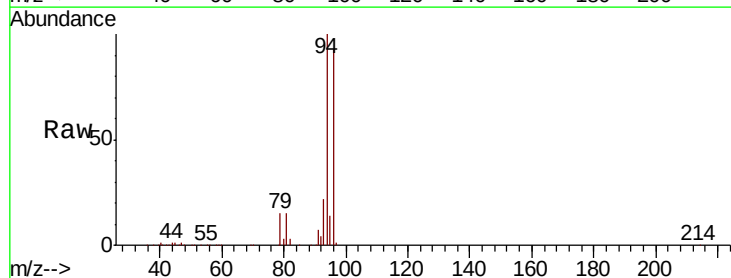
Acq: 11 Oct 2018 9:41

Tgt Ion: 94 Resp: 400320

Ion Ratio Lower Upper

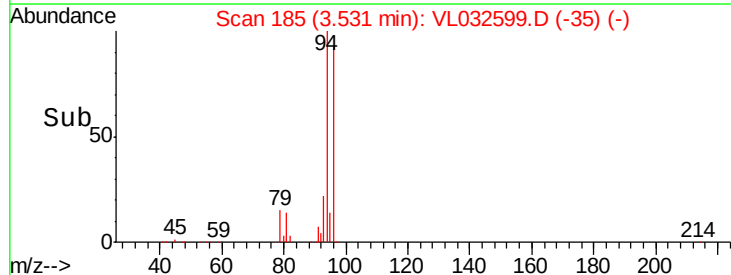
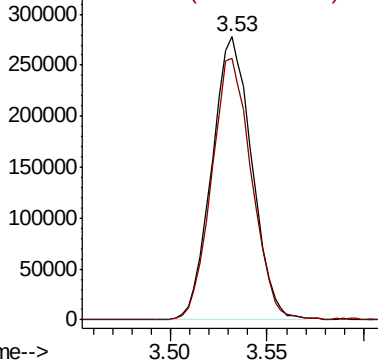
94 100

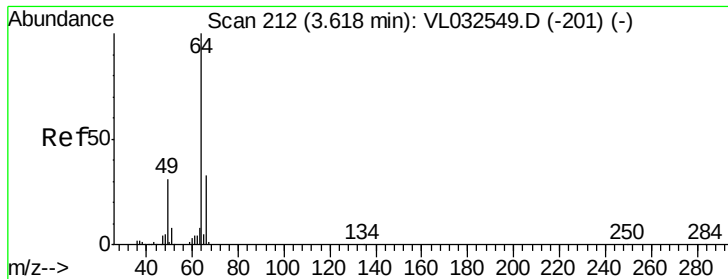
96 92.5 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.104 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 250483

Ion Ratio Lower Upper

64 100

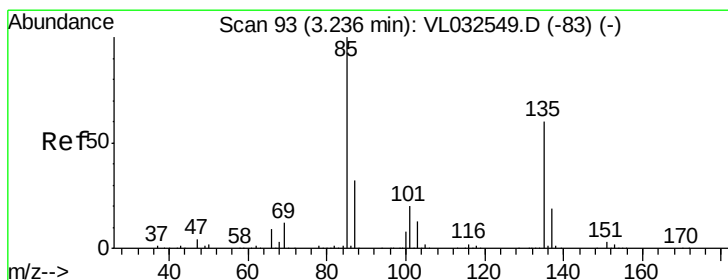
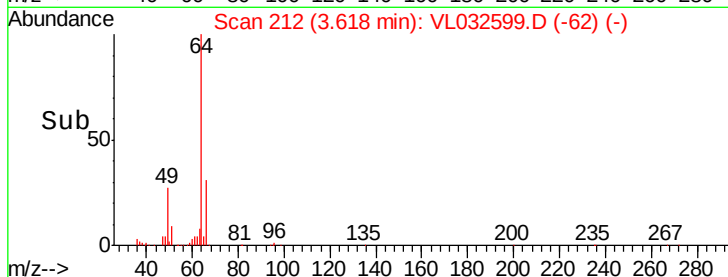
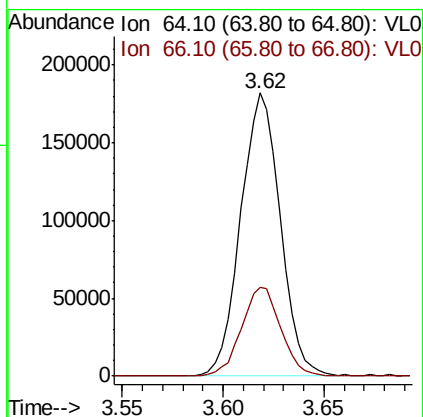
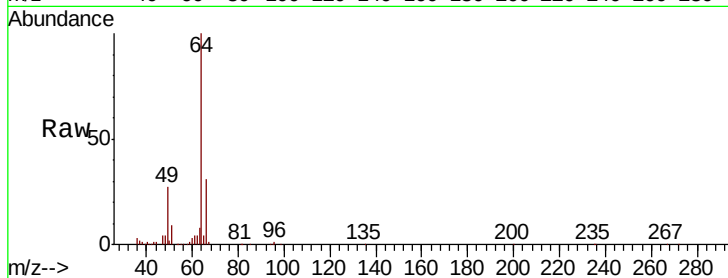
66 31.3 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.318 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032599.D

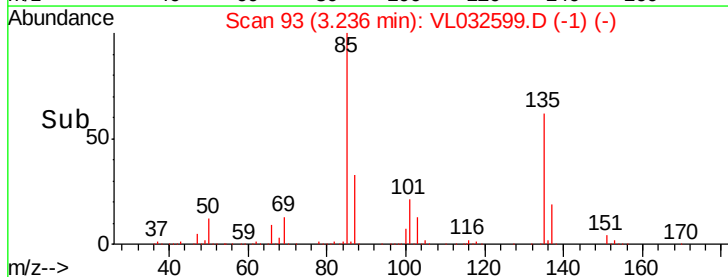
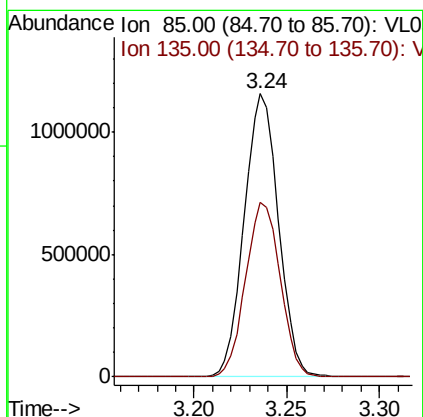
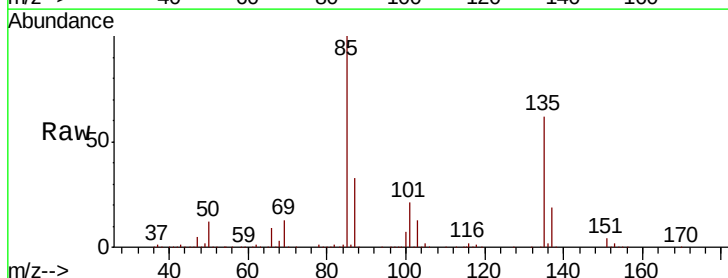
Acq: 11 Oct 2018 9:41

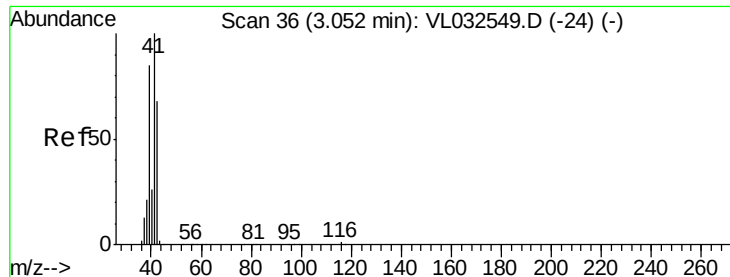
Tgt Ion: 85 Resp: 1484040

Ion Ratio Lower Upper

85 100

135 62.8 48.6 72.8





#9

Propene

Concen: 7.916 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 450152

Ion Ratio Lower Upper

41 100

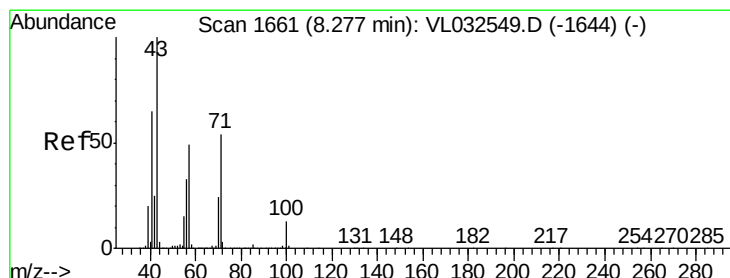
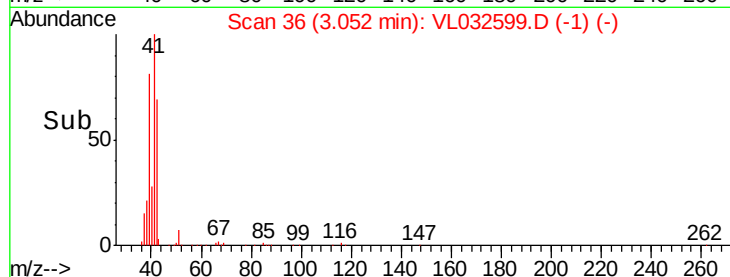
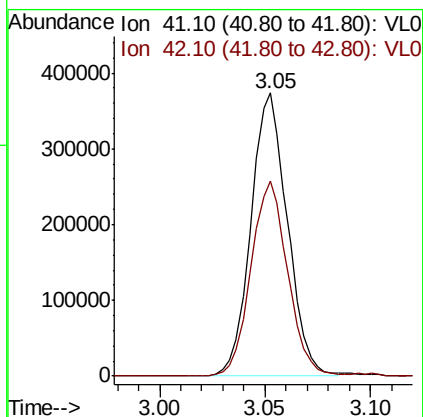
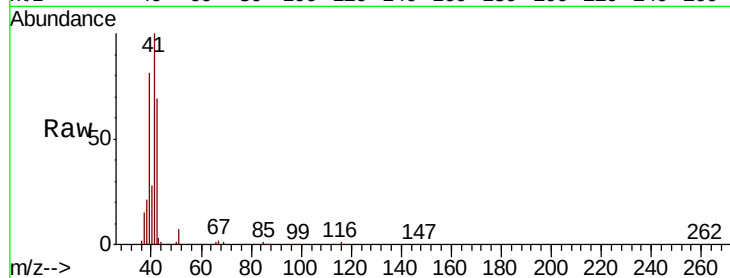
42 70.4 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 8.948 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032599.D

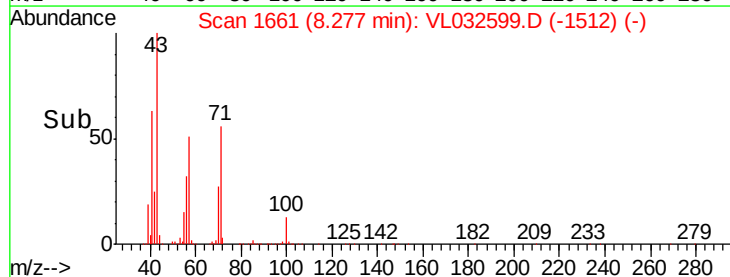
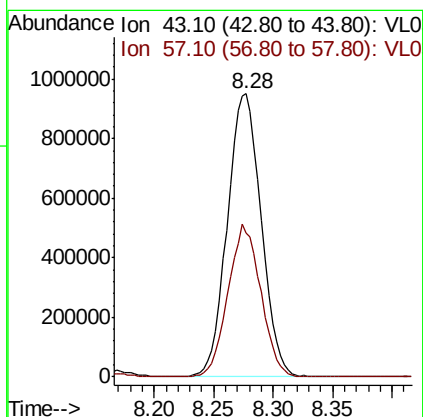
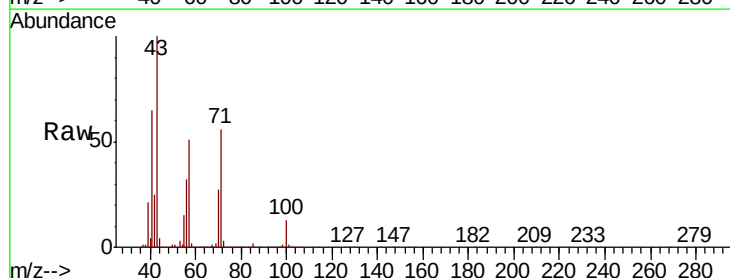
Acq: 11 Oct 2018 9:41

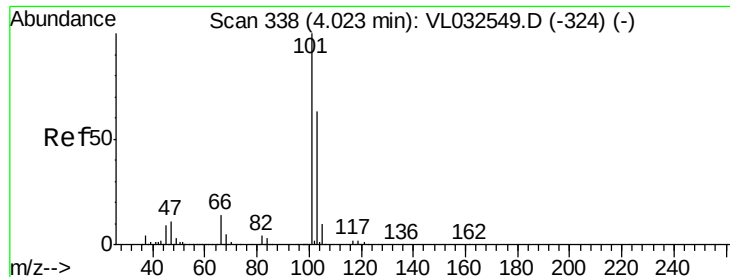
Tgt Ion: 43 Resp: 1866272

Ion Ratio Lower Upper

43 100

57 52.1 39.6 59.4





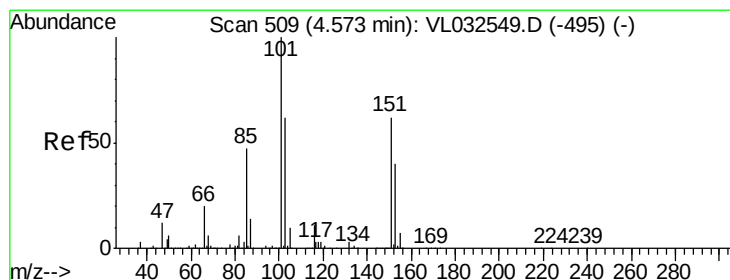
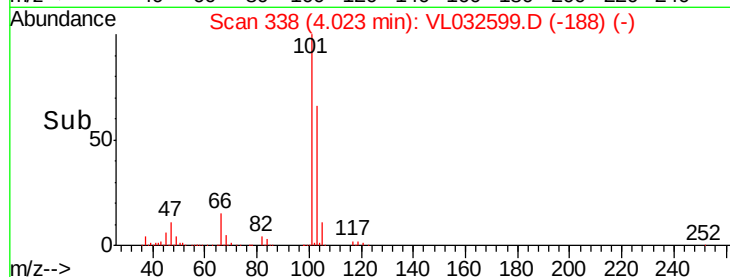
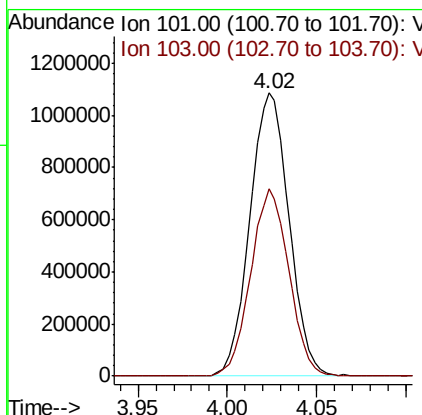
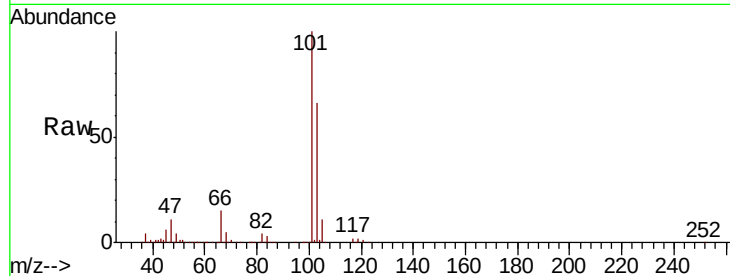
#11
 Trichlorofluoromethane
 Concen: 9.639 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1670391
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.8 79.2

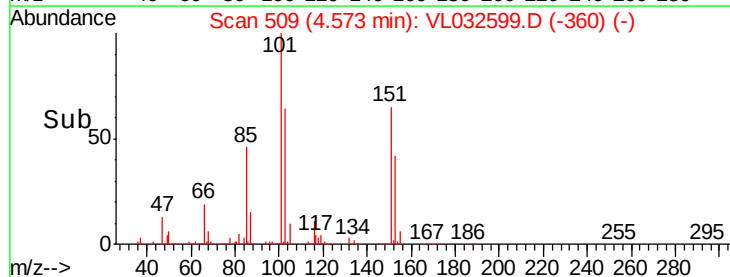
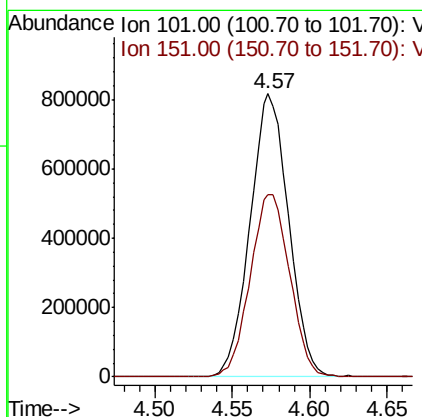
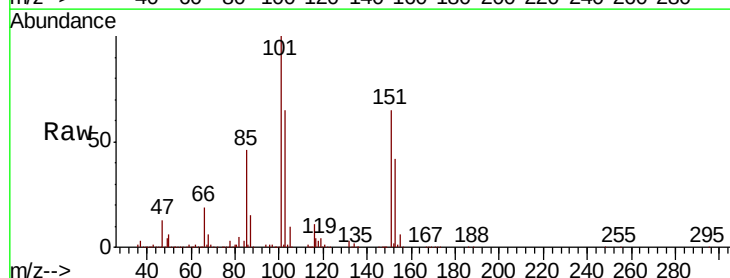
Manual Integrations
 APPROVED

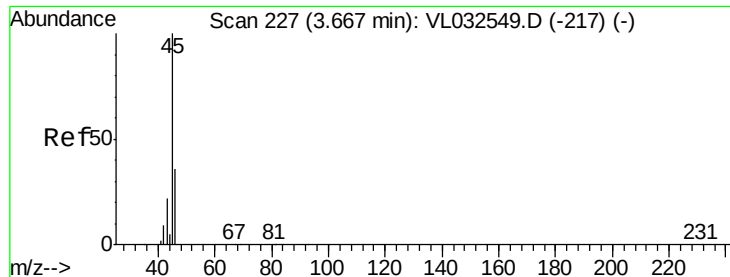
MMDadoda
 10/12/2018 2:07:26 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.995 ppbv
 RT: 4.57 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion:101 Resp: 1415849
 Ion Ratio Lower Upper
 101 100
 151 66.2 52.6 78.8





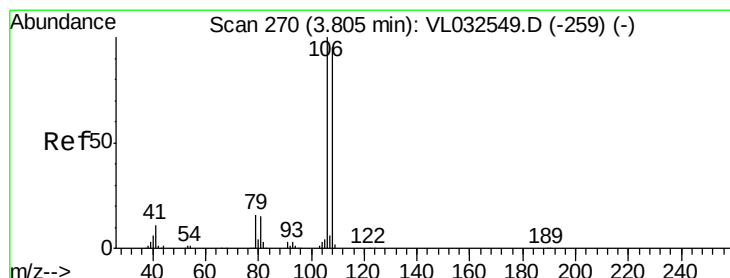
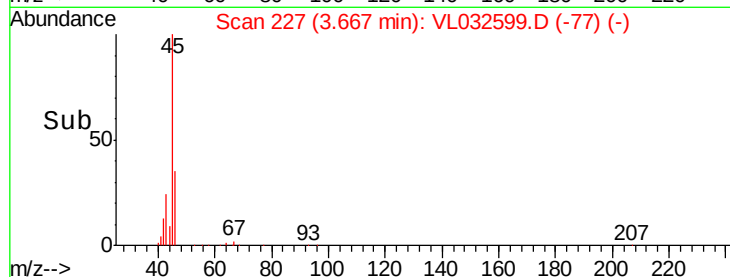
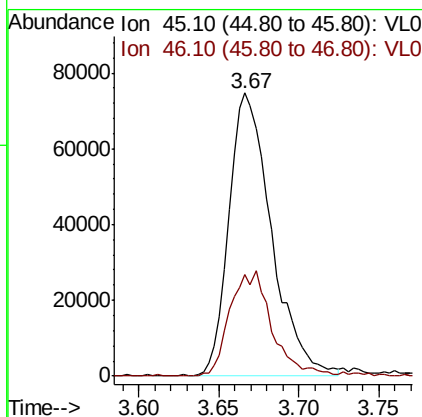
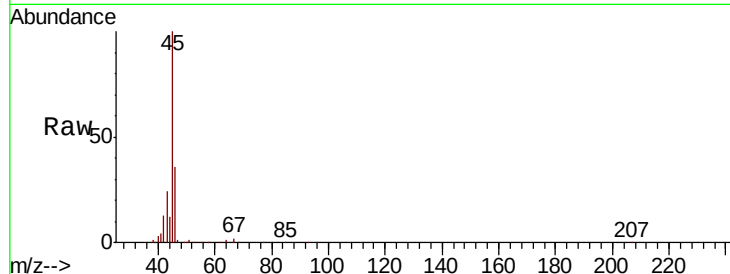
#13
Ethanol
Concen: 7.937 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	135667
Ion Ratio	100	Lower	Upper
46	37.7	14.2	56.8

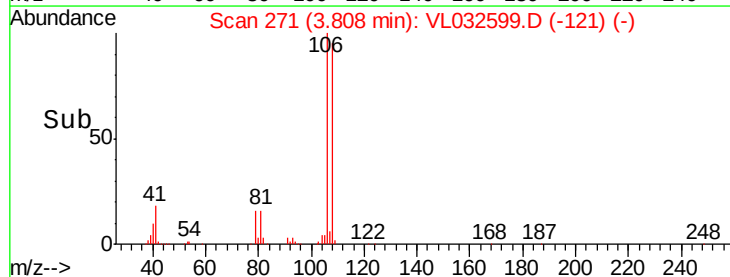
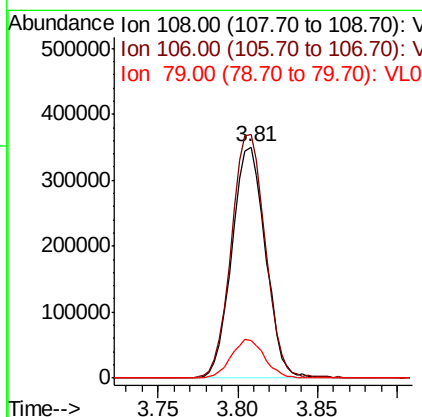
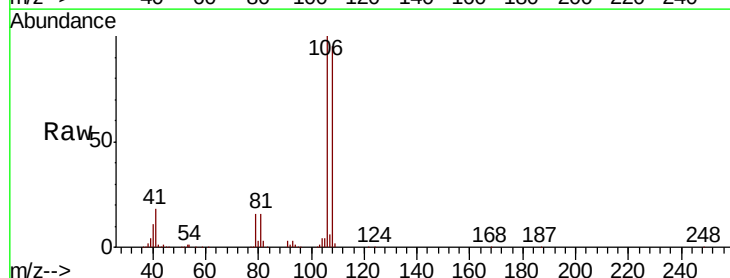
Manual Integrations
APPROVED

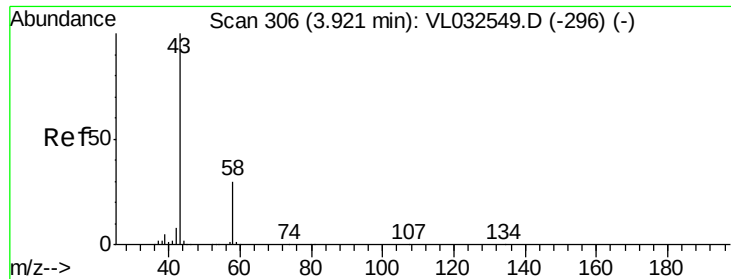
MMDadoda
10/12/2018 2:07:26 PM



#14
Bromoethene
Concen: 9.938 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	108	Resp	499506
Ion Ratio	100	Lower	Upper
106	106.9	85.5	128.3
79	17.0	13.0	19.6





#15

Acetone

Concen: 8.415 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1164114

Ion Ratio Lower Upper

43 100

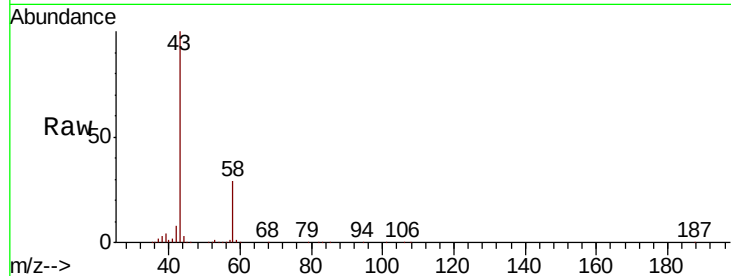
58 27.8 22.6 33.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

400000

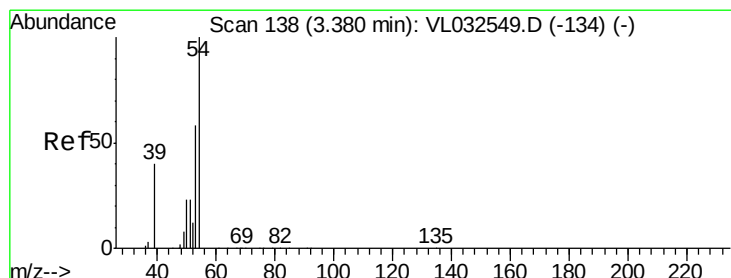
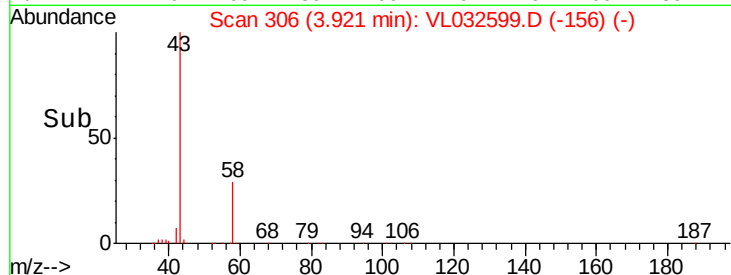
200000

0

3.85 3.90 3.95 4.00

3.92

Time-->



#16

1,3-Butadiene

Concen: 9.373 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032599.D

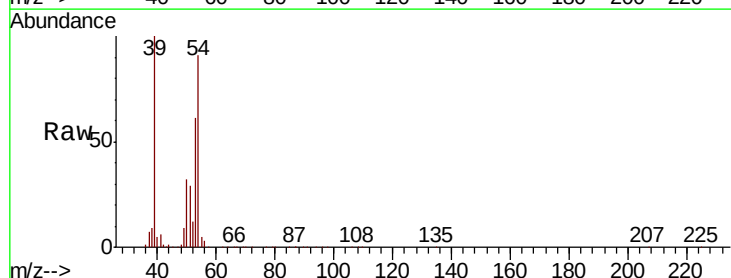
Acq: 11 Oct 2018 9:41

Tgt Ion: 39 Resp: 525878

Ion Ratio Lower Upper

39 100

54 98.1 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

200000

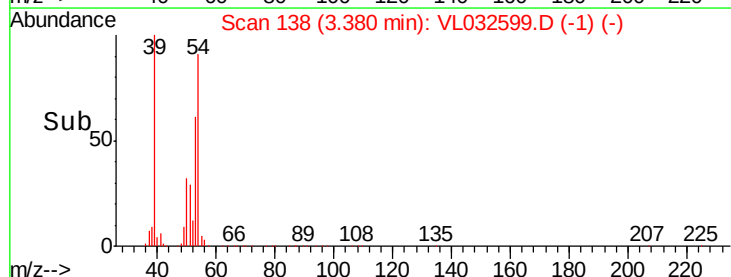
100000

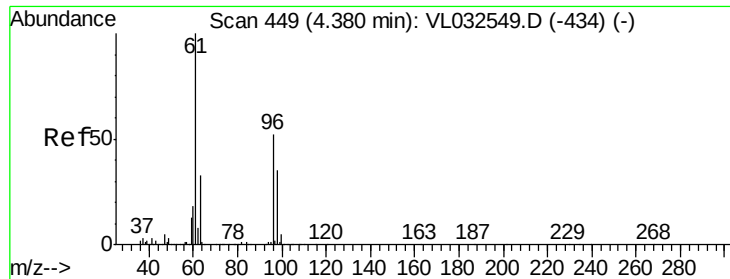
0

3.36 3.38 3.40 3.42

3.38

Time-->





#17

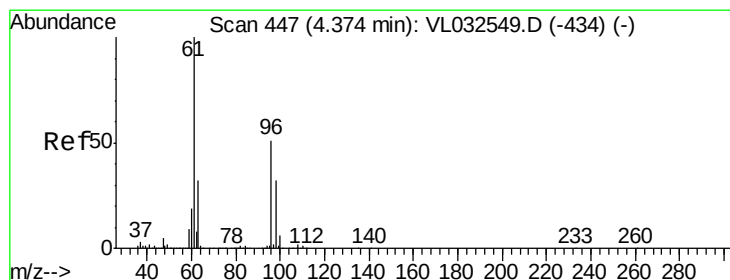
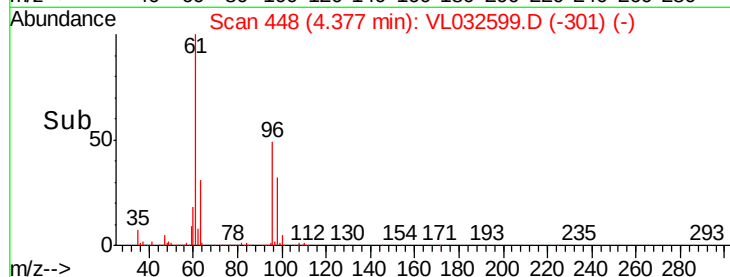
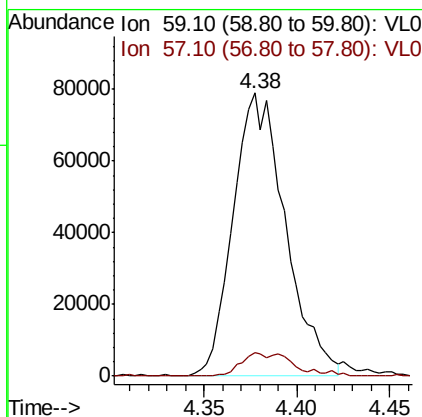
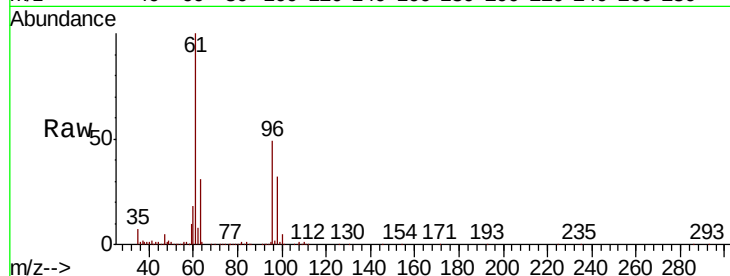
tert-Butyl alcohol
Concen: 8.850 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	0.0	0.0#

Manual Integrations
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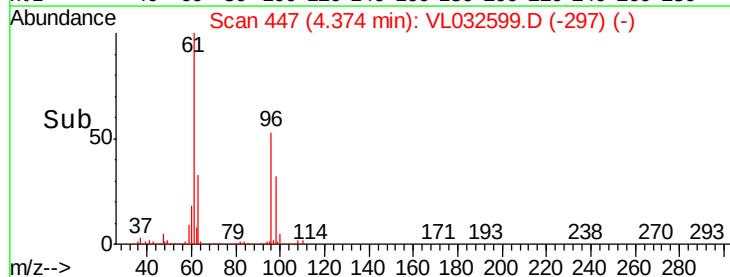
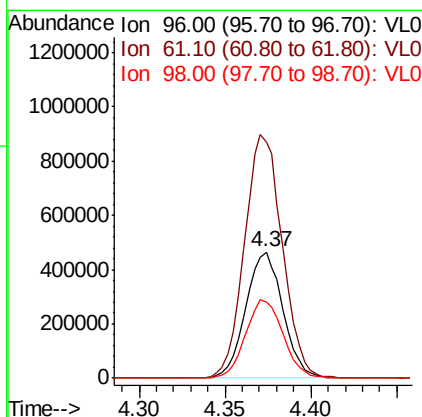
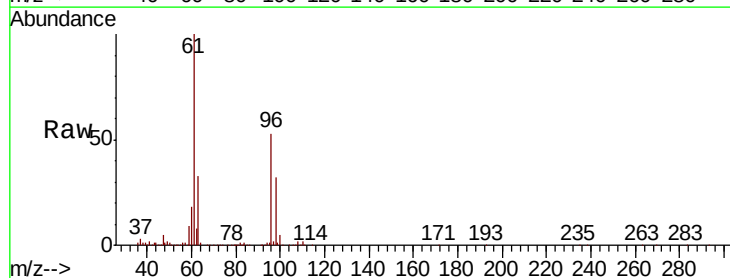
MMDadoda
10/12/2018 2:07:26 PM

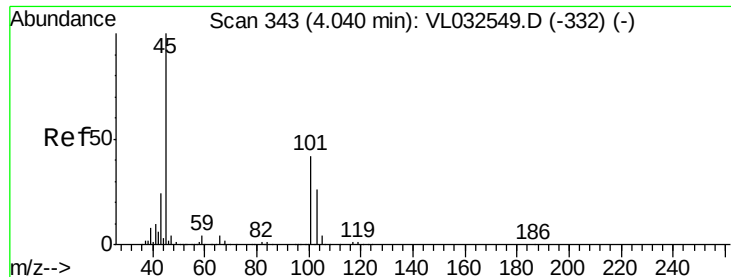


#18

1,1-Dichloroethene
Concen: 10.492 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.0	159.2	238.8
98	59.9	51.0	76.4





#19

Isopropyl Alcohol

Concen: 9.187 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Tot Ion: 45 Resp: 885307

Ion Ratio Lower Upper

45 100

58 2.1 2.0 3.0

Instrument :

MSVOA_L

ClientSampleId :

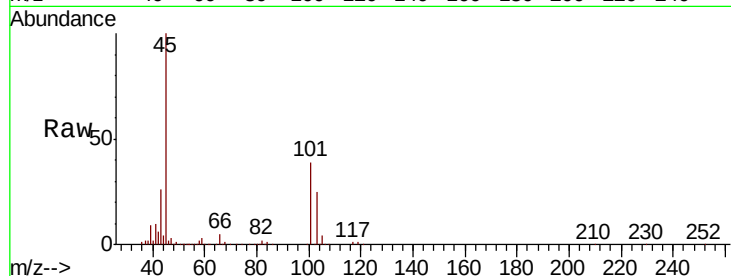
VSTDCCC010

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

500000

400000

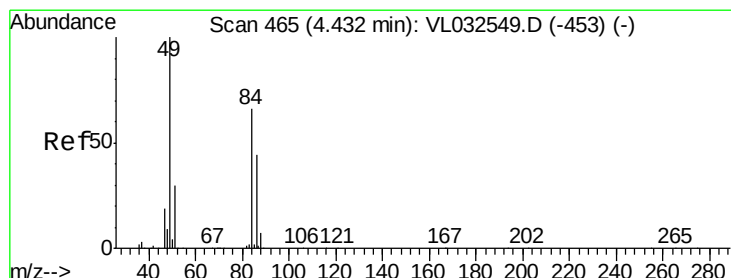
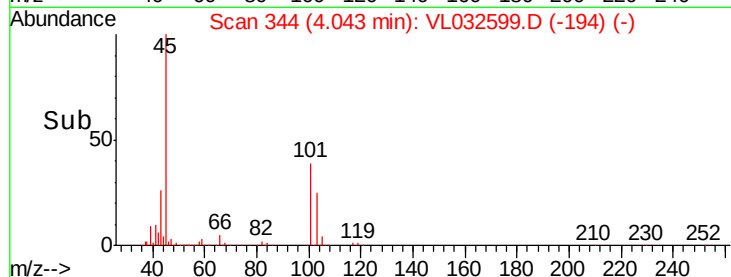
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.013 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Tgt Ion: 84 Resp: 603767

Ion Ratio Lower Upper

84 100

49 147.8 119.1 178.7

51 47.2 35.2 52.8

86 64.6 49.4 74.2

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

800000

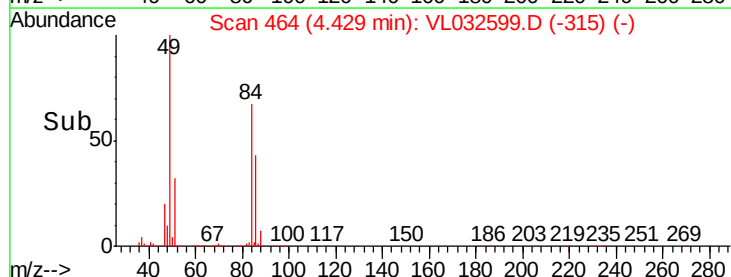
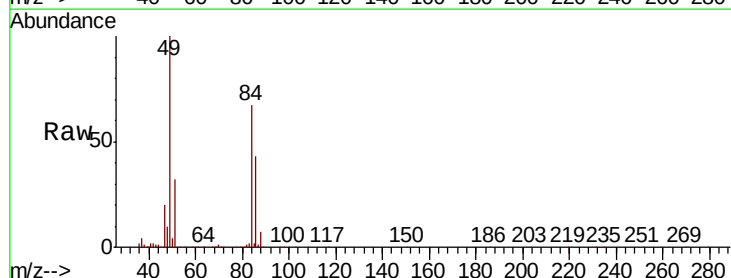
600000

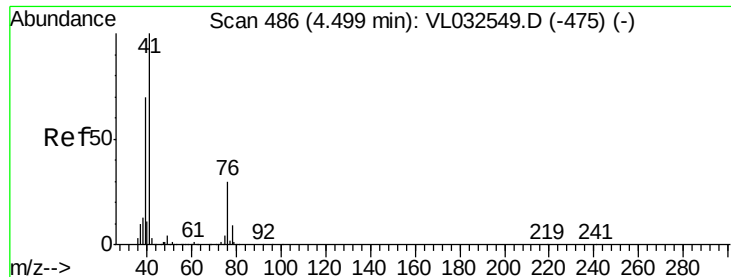
400000

200000

0

Time-->





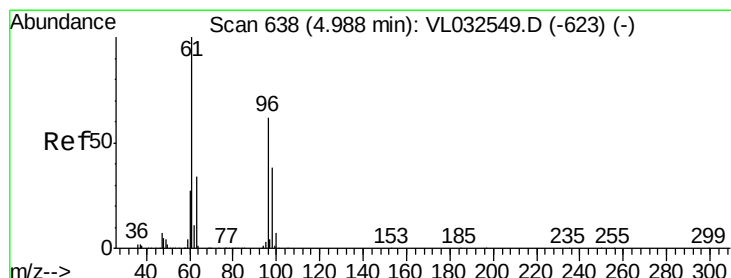
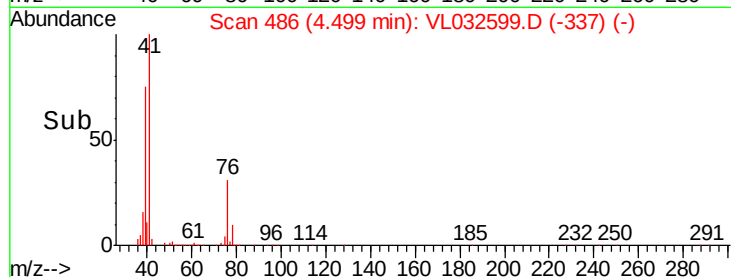
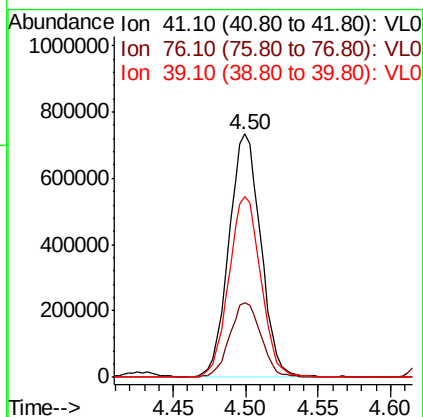
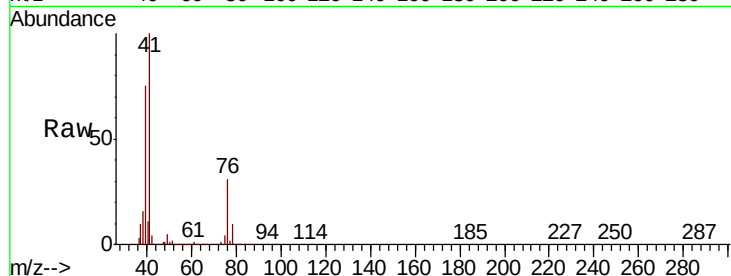
#21
Allvl Chloride
Concen: 9.797 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.6	23.6	35.4
39	75.3	57.7	86.5

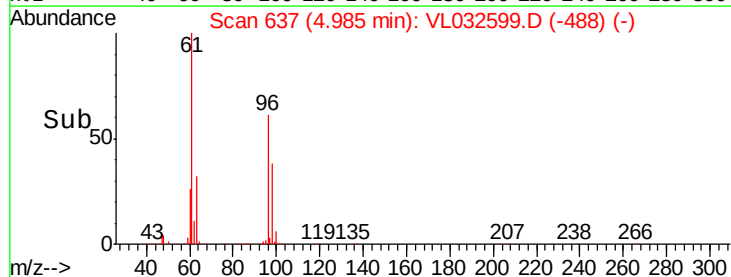
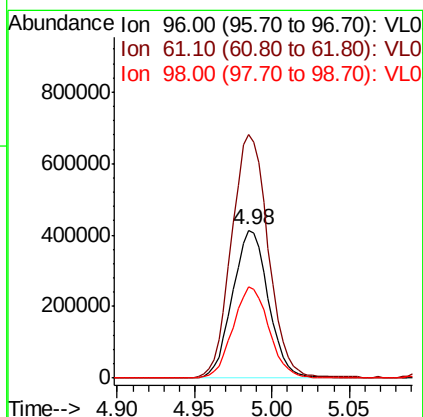
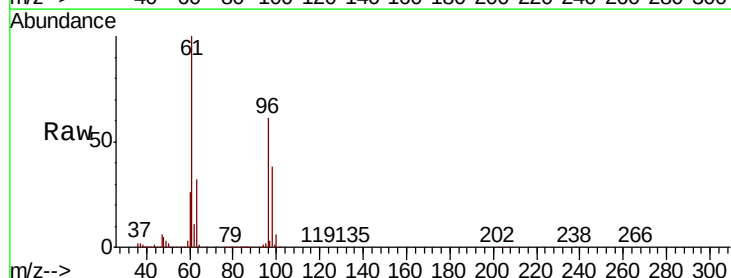
Manual Integrations
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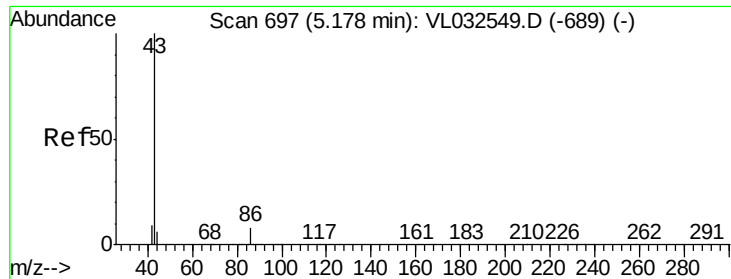
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.645 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	136.2	204.4
98	62.0	50.4	75.6





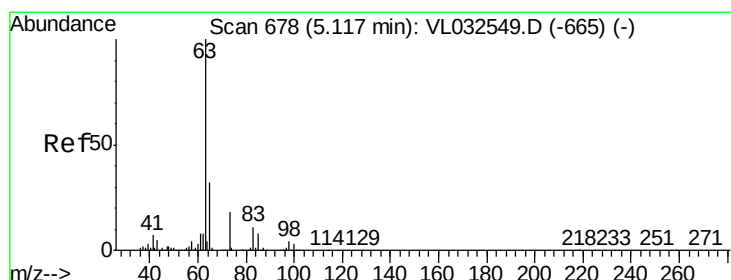
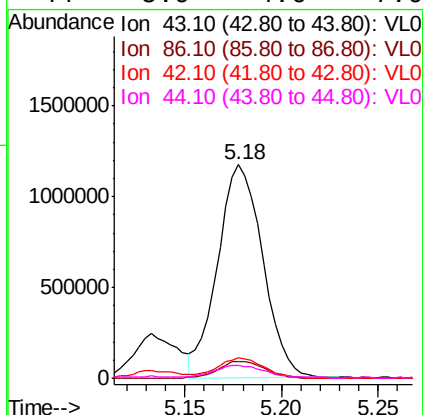
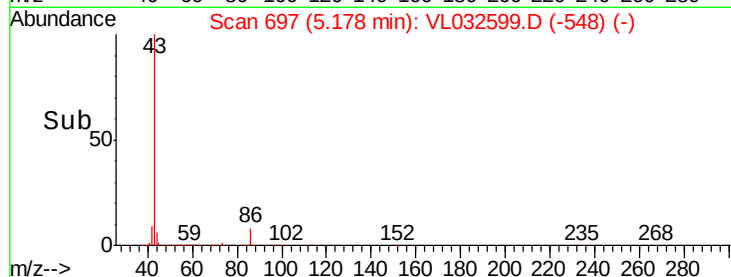
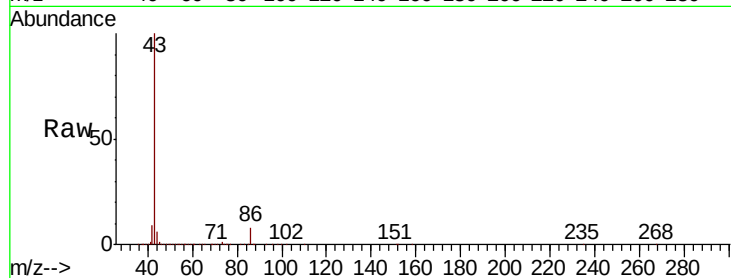
#23
 Vinyl Acetate
 Concen: 7.780 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.8	5.9	8.9	
42	9.4	6.9	10.3	
44	5.9	4.6	7.0	

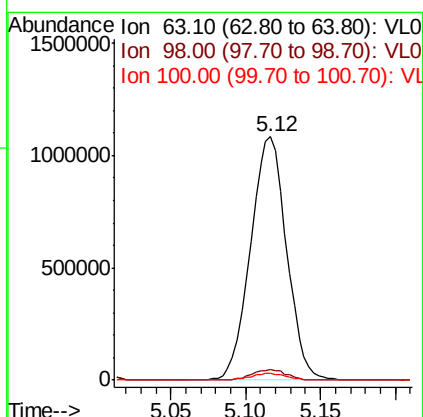
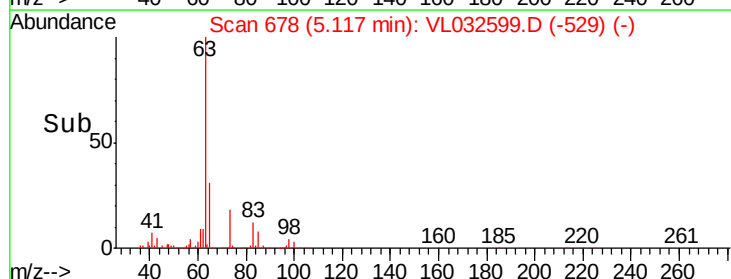
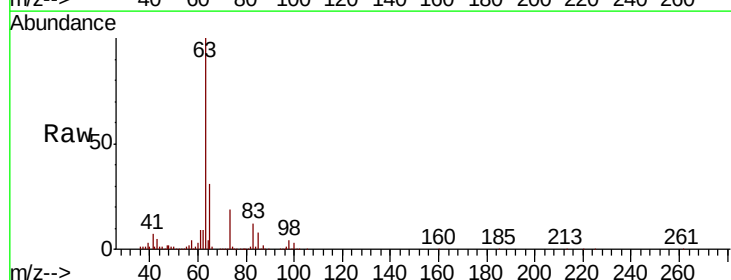
Manual Integrations
 APPROVED

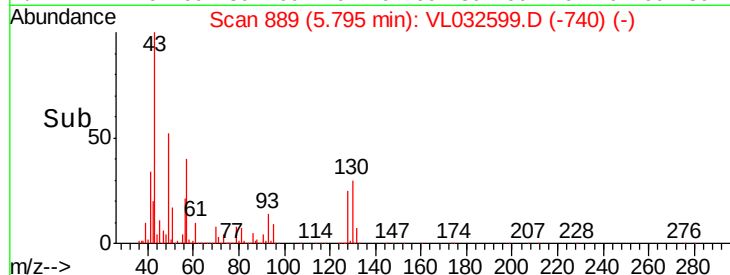
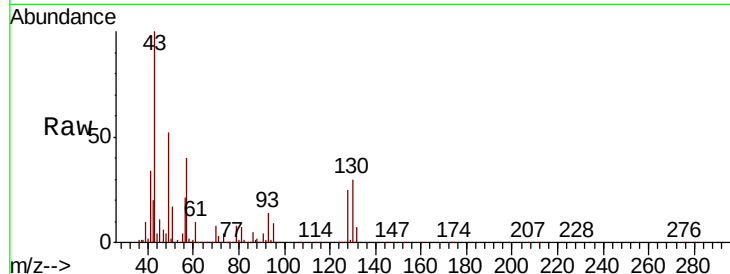
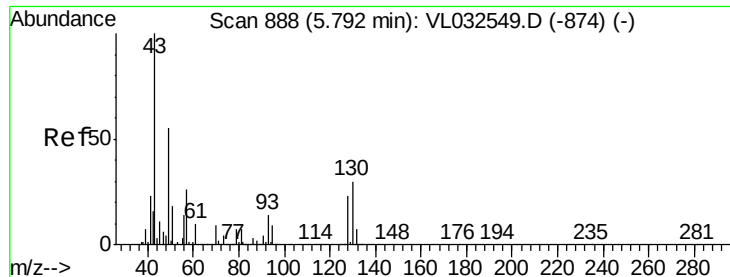
MMDadoda
 10/12/2018 2:07:26 PM



#24
 1,1-Dichloroethane
 Concen: 8.888 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.1	2.1	6.5	
100	2.6	1.5	4.4	





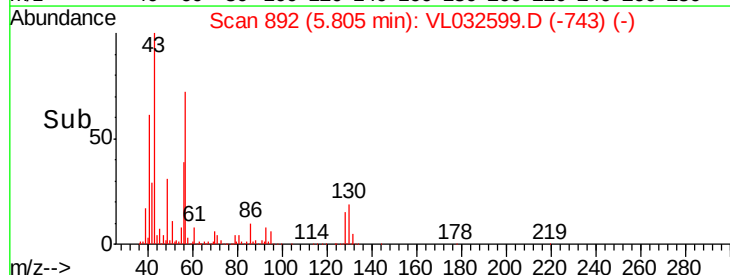
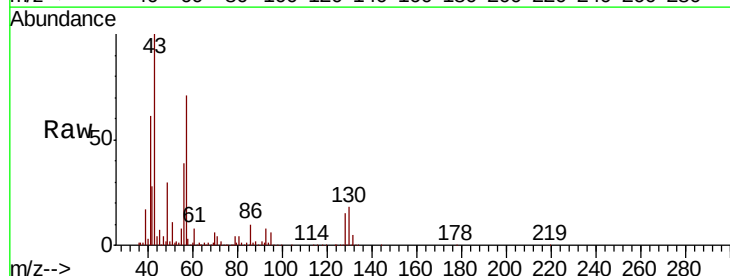
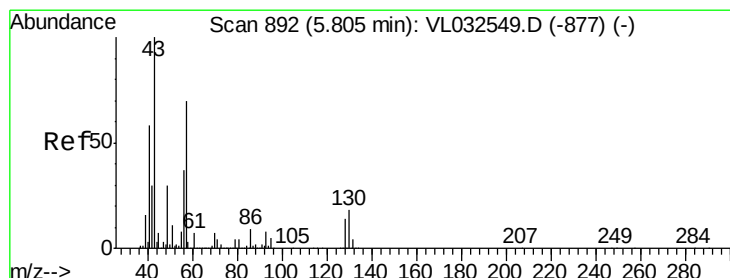
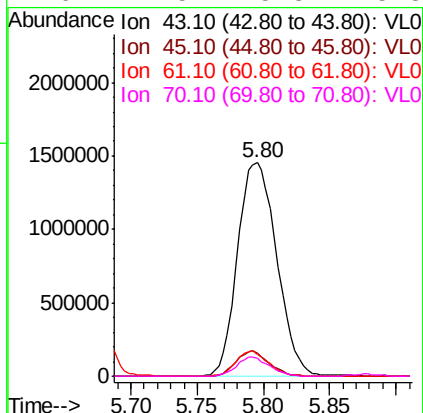
#25
Ethyl Acetate
Concen: 8.914 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tot Ion:	43	Resp:	2992244
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.1	7.6	11.4
70	7.5	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

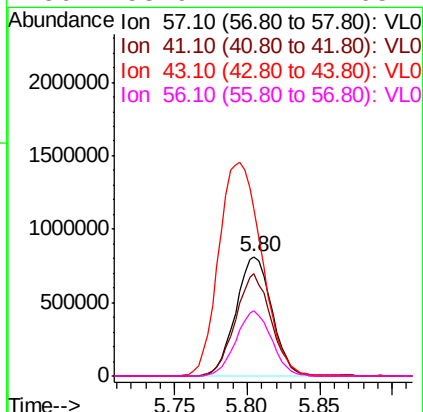
Manual Integrations
APPROVED

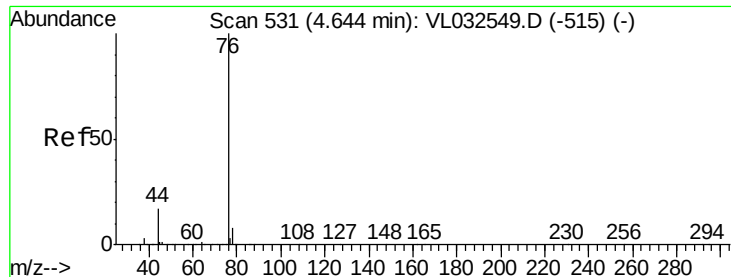
MMDadoda
10/12/2018 2:07:26 PM



#26
Hexane
Concen: 9.261 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:	57	Resp:	1404190
Ion	Ratio	Lower	Upper
57	100		
41	85.0	69.0	103.4
43	213.4	172.1	258.1
56	53.9	42.2	63.2





#27

Carbon Disulfide

Concen: 10.286 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1676722

Ion Ratio Lower Upper

76 100

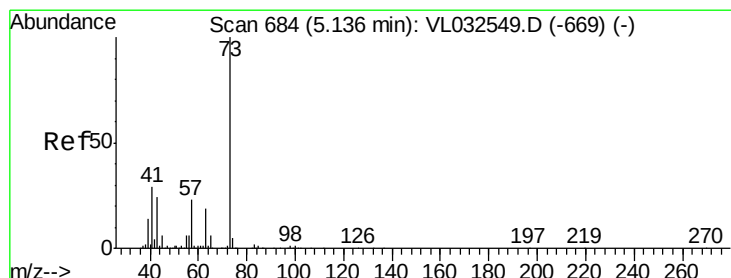
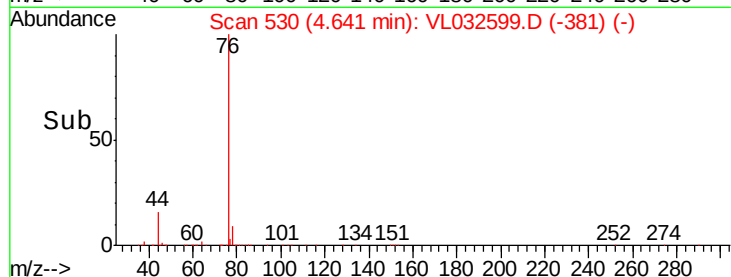
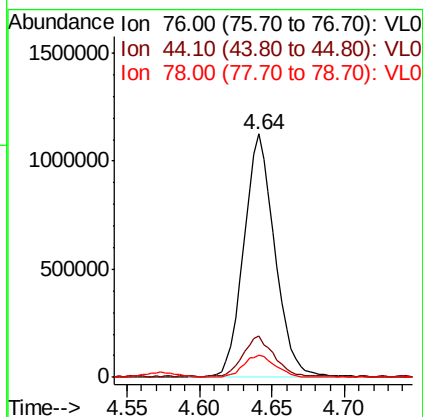
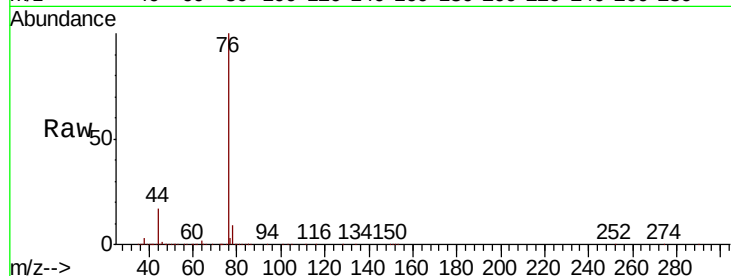
44 16.3 14.0 21.0

78 9.2 7.5 11.3

Manual Integrations
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10/12/2018 2:07:26 PM



#28

Methyl tert-Butyl Ether

Concen: 8.917 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL032599.D

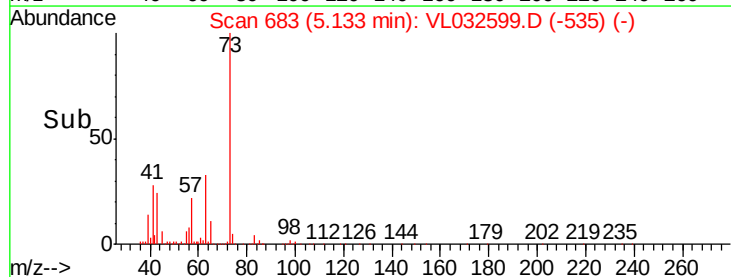
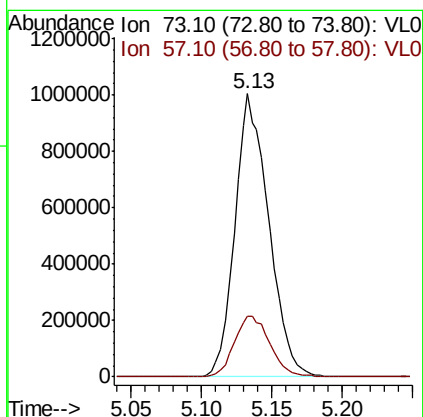
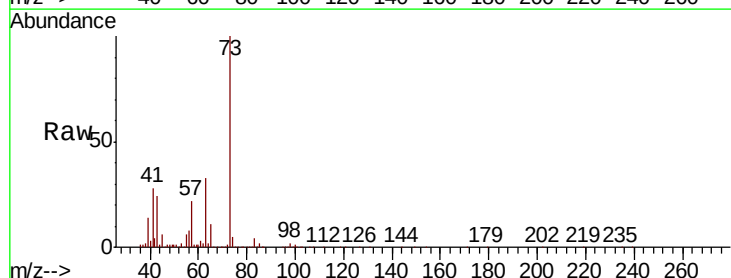
Acq: 11 Oct 2018 9:41

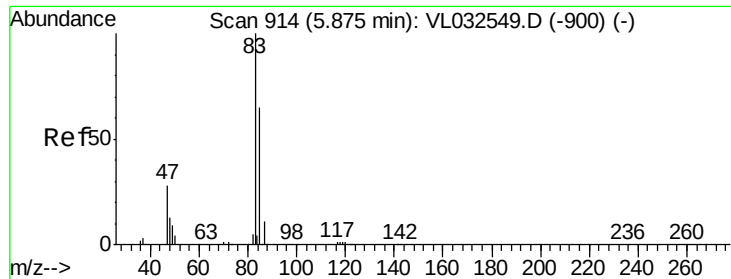
Tgt Ion: 73 Resp: 1684332

Ion Ratio Lower Upper

73 100

57 22.8 19.3 28.9





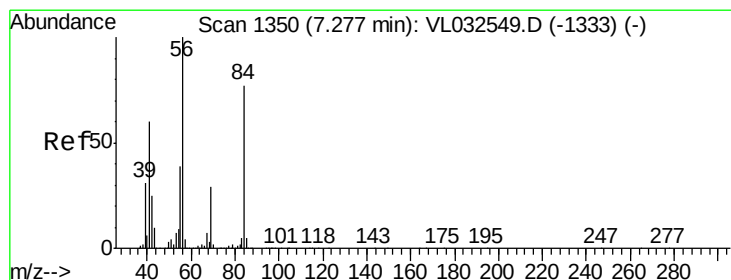
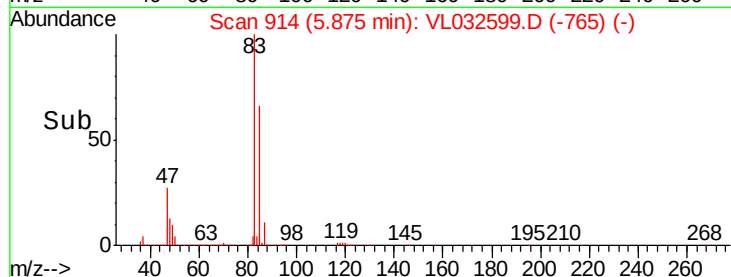
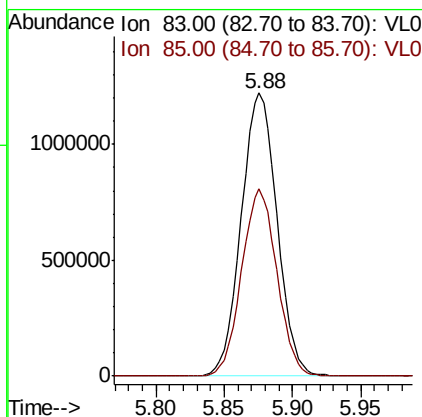
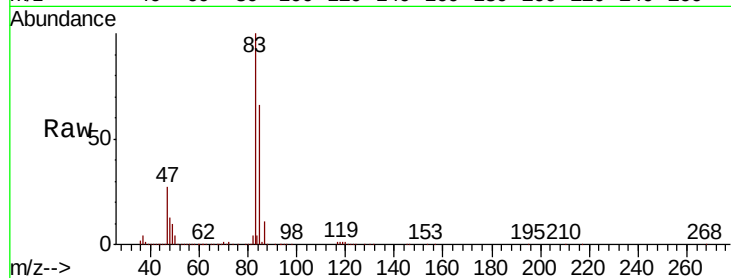
#29
Chloroform
Concen: 9.569 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2226337
Ion Ratio Lower Upper
83 100
85 66.0 52.5 78.7

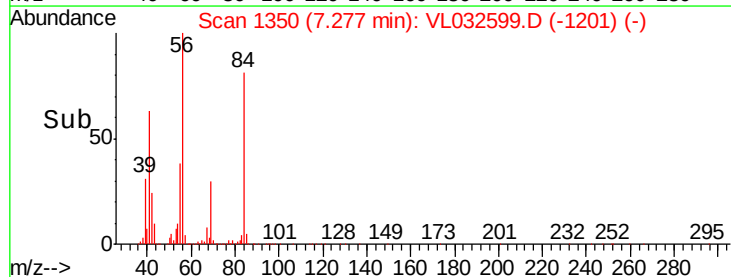
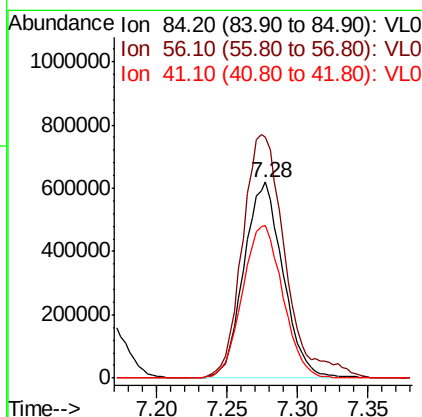
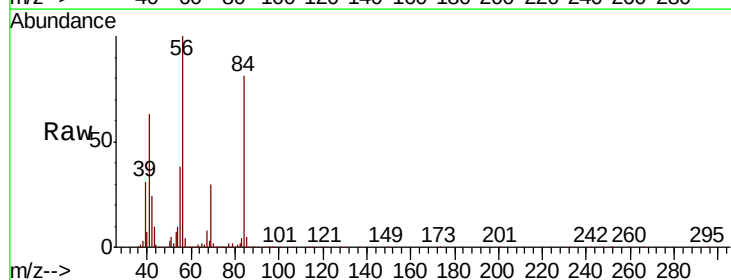
Manual Integrations
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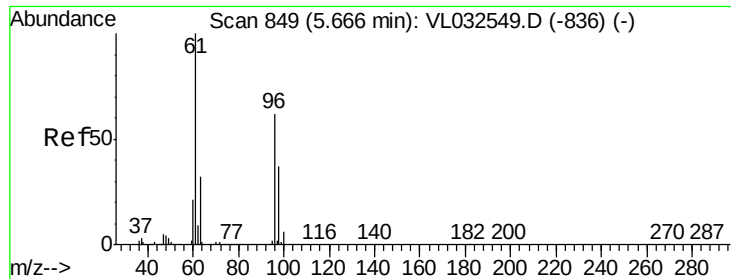
MMDadoda
10/12/2018 2:07:26 PM



#30
Cyclohexane
Concen: 9.751 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 84 Resp: 1203871
Ion Ratio Lower Upper
84 100
56 135.5 113.5 170.3
41 80.6 68.1 102.1





#31

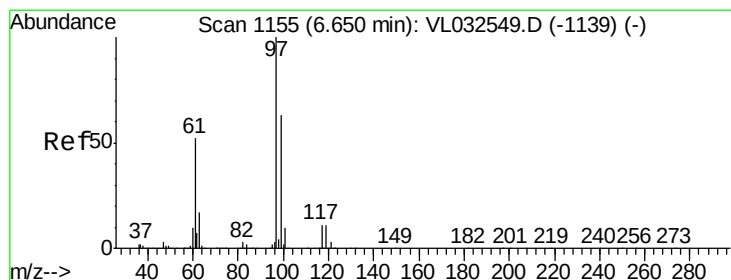
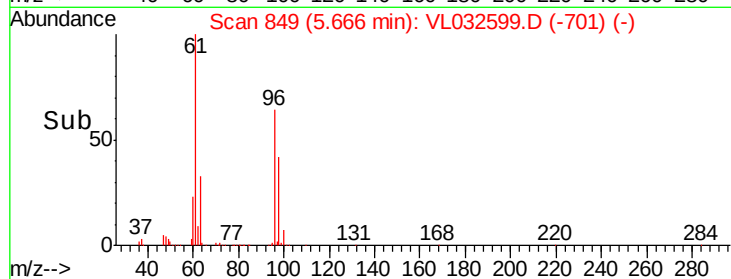
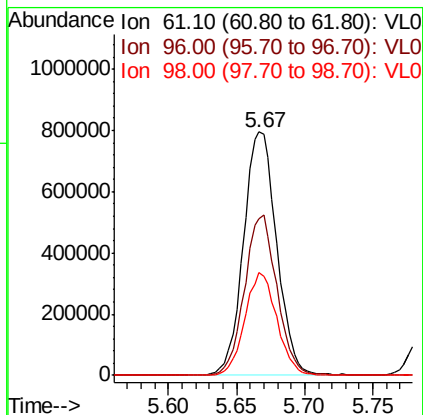
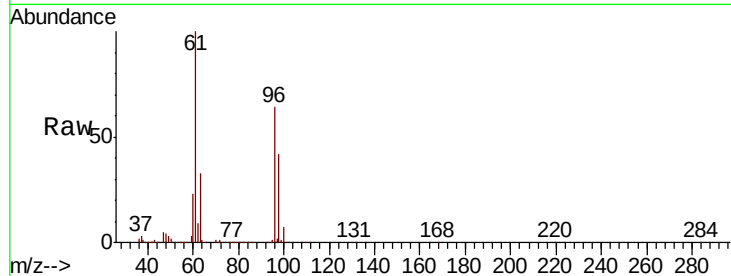
cis-1,2-Dichloroethene
Concen: 9.308 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	49.2	73.8
98	42.3	30.7	46.1

Manual Integrations
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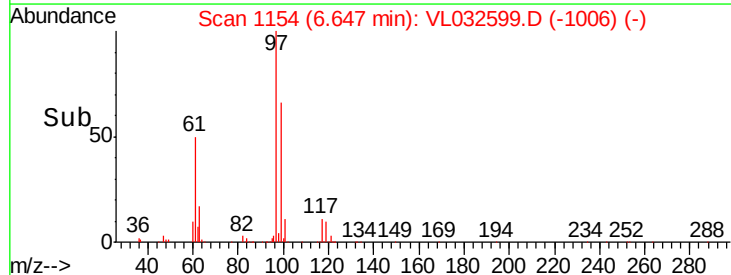
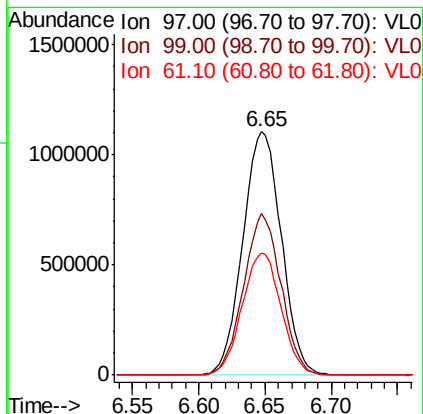
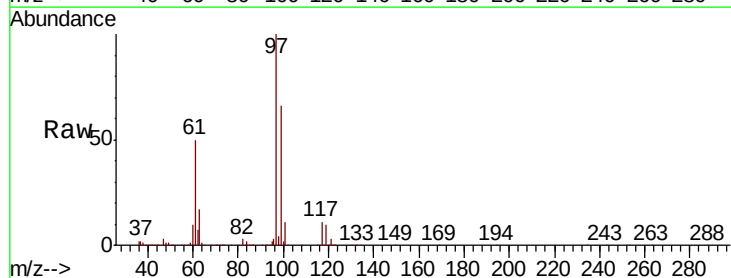
MMDadoda
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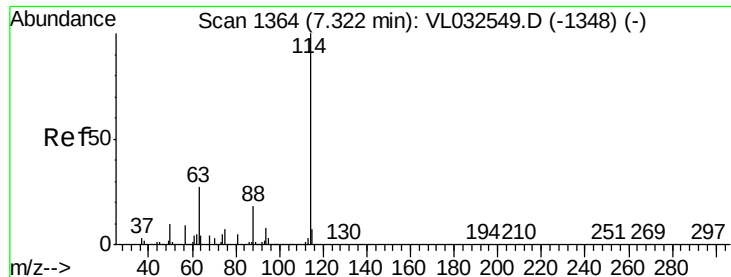


#32

1,1,1-Trichloroethane
Concen: 9.033 ppbv
RT: 6.65 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	50.7	42.5	63.7





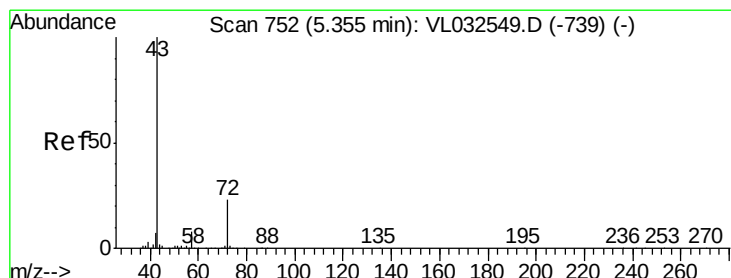
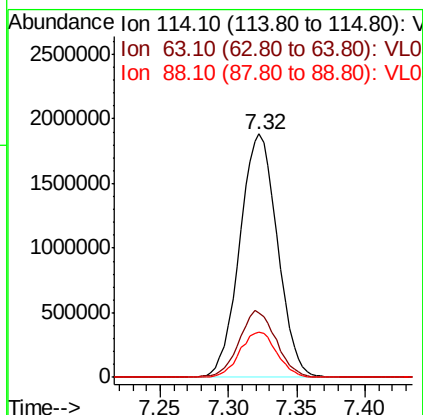
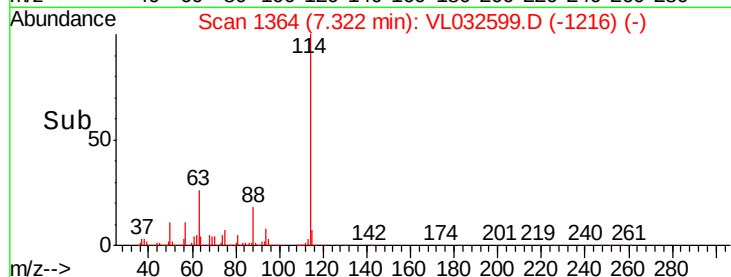
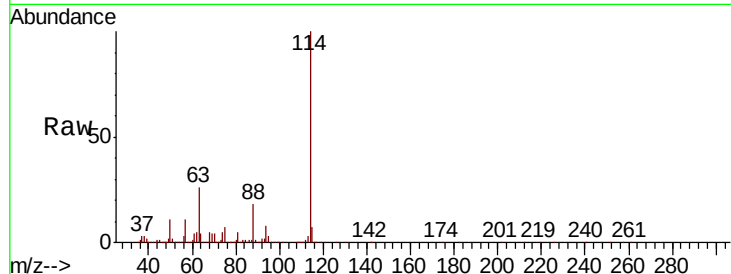
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3611928
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.4 15.0 22.4

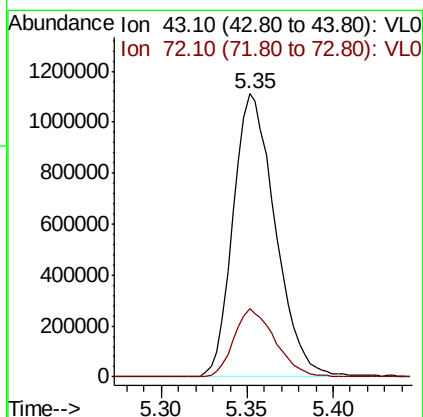
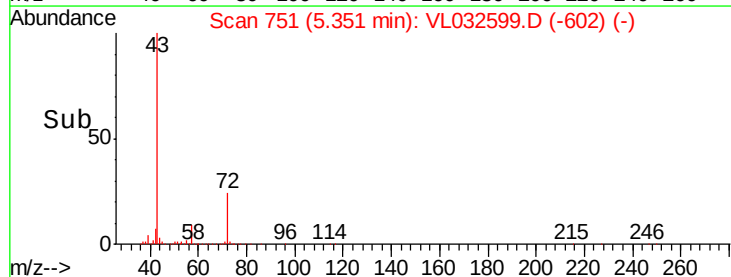
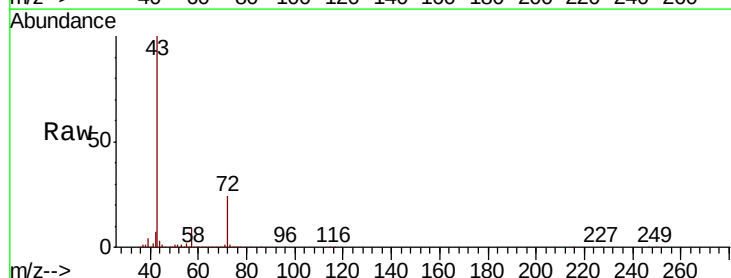
Manual Integrations
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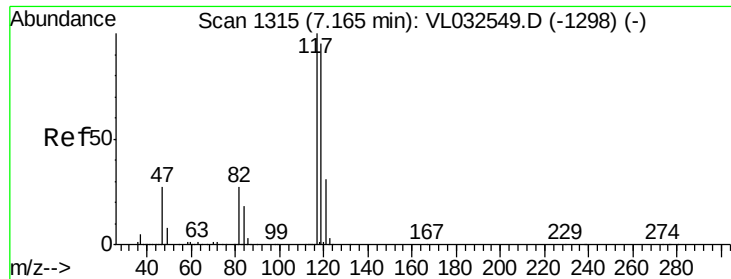
MMDadoda
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#34
 2-Butanone
 Concen: 8.807 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion: 43 Resp: 1894326
 Ion Ratio Lower Upper
 43 100
 72 23.7 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.289 ppbv

RT: 7.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2331297

Ion Ratio Lower Upper

117 100

119 95.0 76.6 115.0

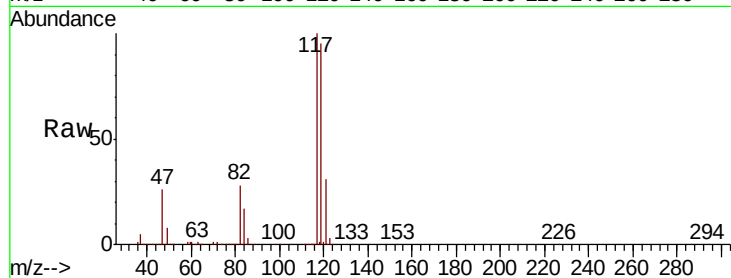
121 31.2 24.6 36.8

Manual Integrations

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MMDadoda

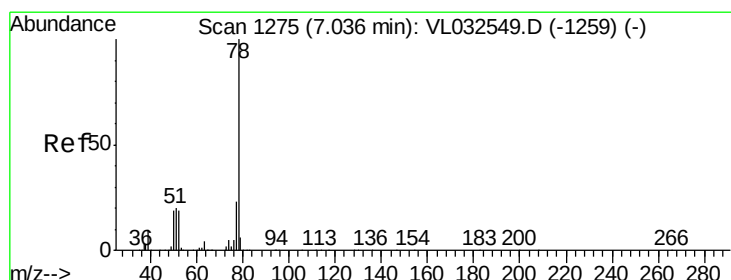
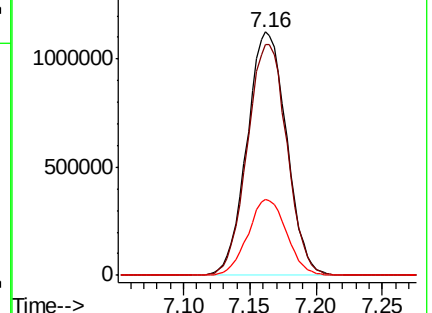
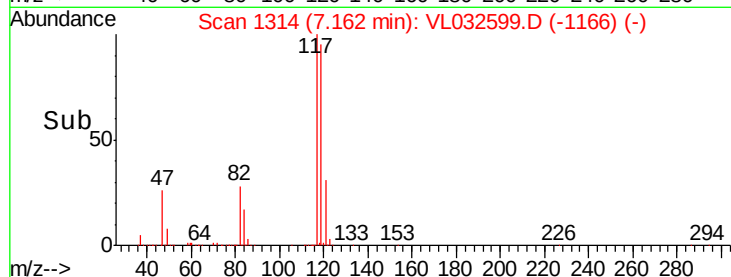
10/12/2018 2:07:26 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.880 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

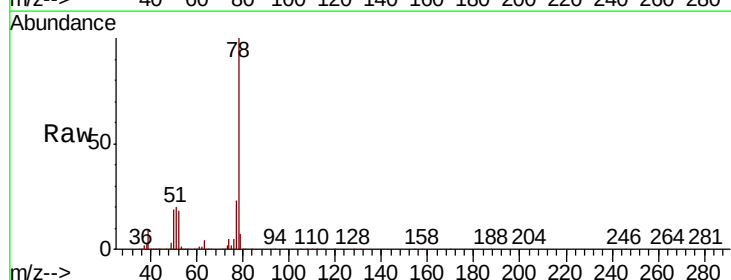
Tgt Ion: 78 Resp: 2883841

Ion Ratio Lower Upper

78 100

77 23.1 18.4 27.6

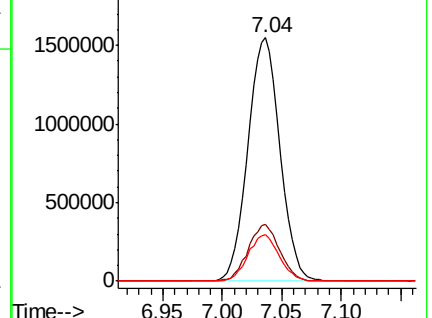
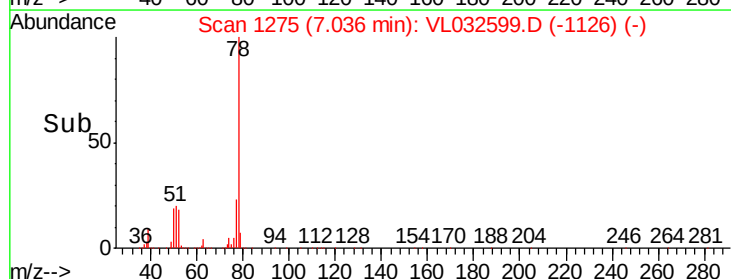
50 19.2 14.4 21.6

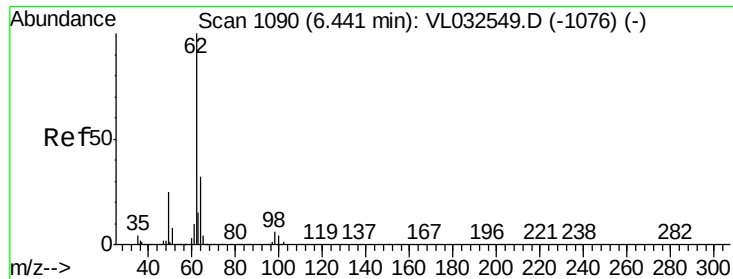


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





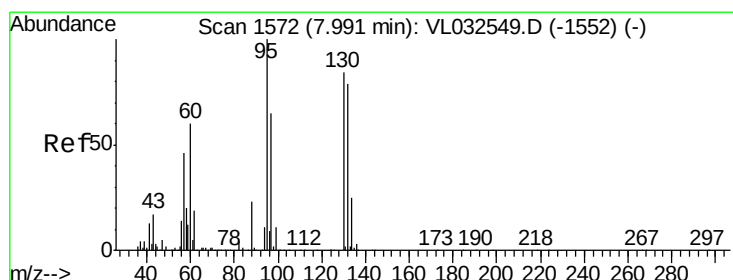
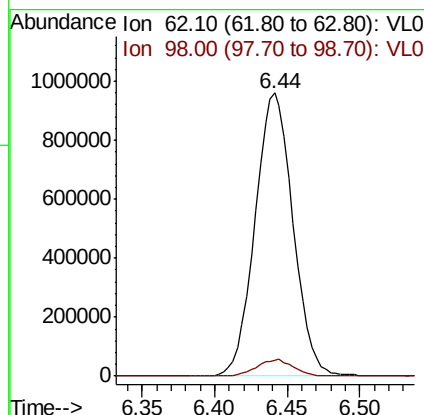
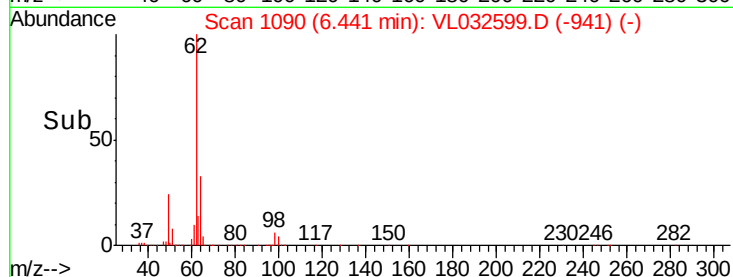
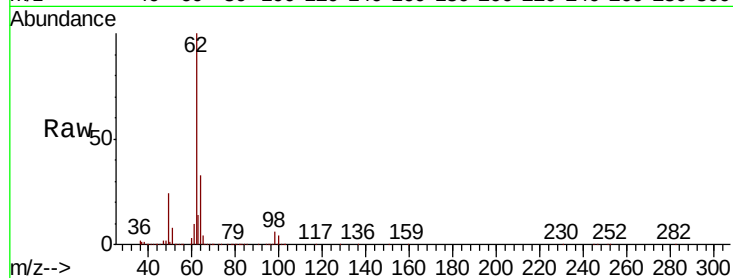
#37
 1,2-Dichloroethane
 Concen: 9.930 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1746807
 Ion Ratio Lower Upper
 62 100
 98 5.7 5.0 7.6

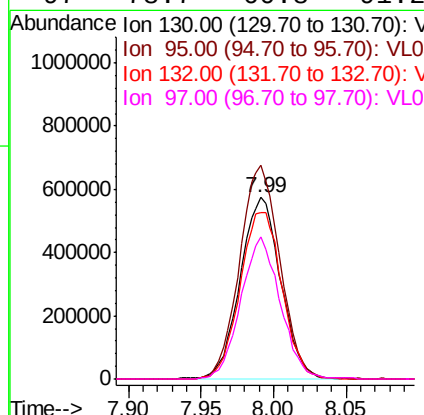
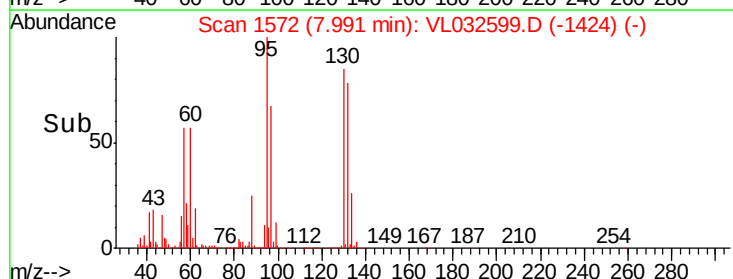
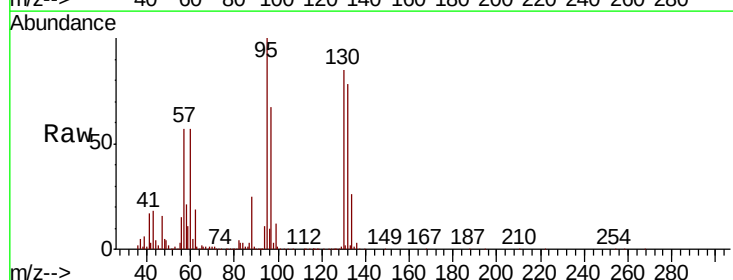
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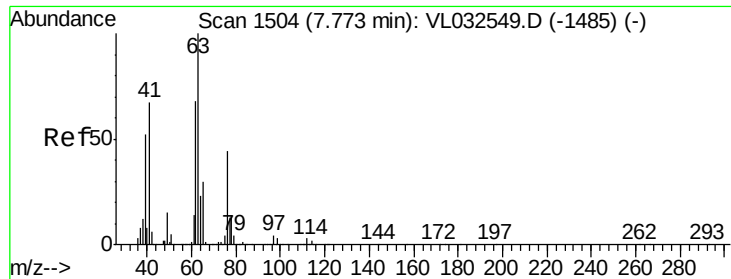
MMDadoda
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#38
 Trichloroethene
 Concen: 9.902 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion:130 Resp: 1106329
 Ion Ratio Lower Upper
 130 100
 95 117.8 94.2 141.4
 132 91.5 76.2 114.4
 97 78.7 60.8 91.2





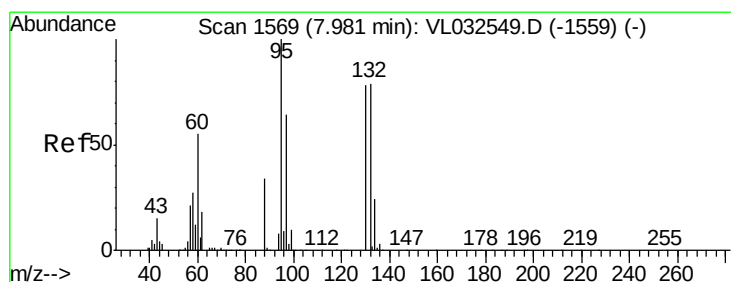
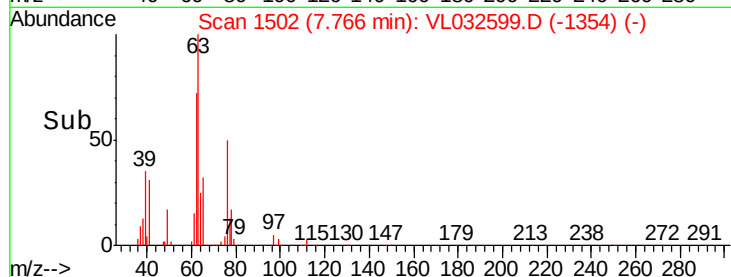
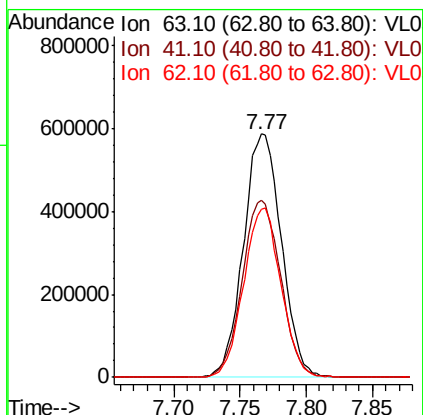
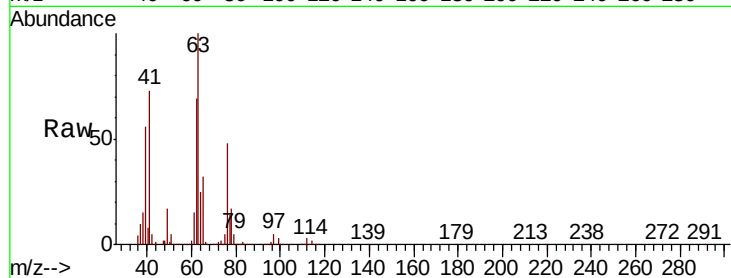
#39
 1,2-Dichloropropane
 Concen: 8.875 ppbv
 RT: 7.77 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.8	55.4	83.0
62	69.2	55.4	83.0

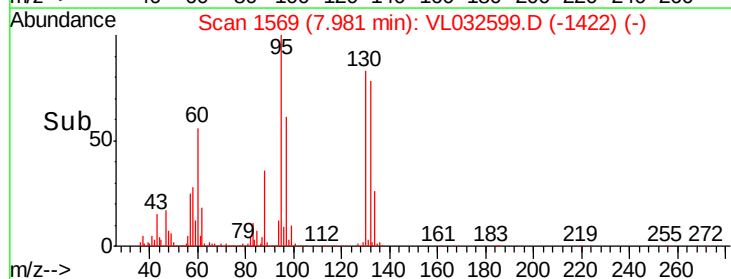
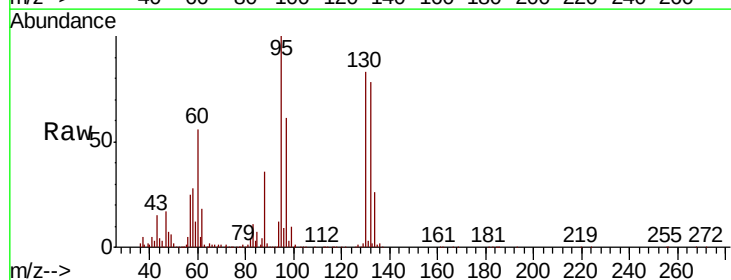
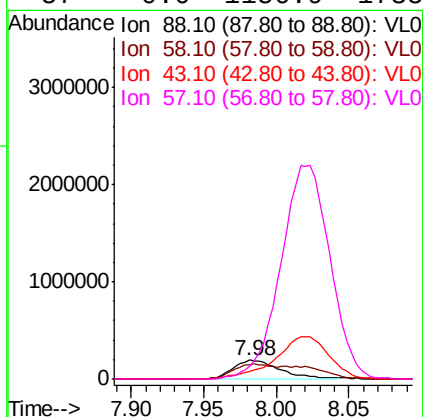
Manual Integrations
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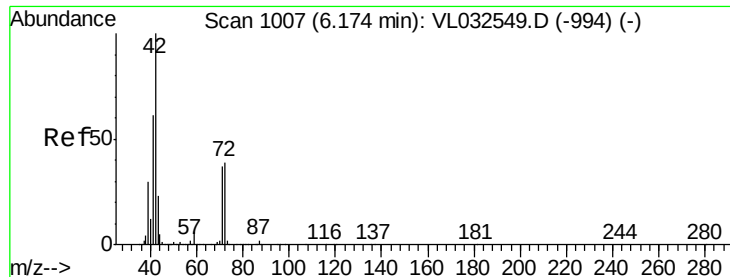
MMDadoda
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#40
 1,4-Dioxane
 Concen: 10.677 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.4	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





#41

Tetrahydrofuran

Concen: 9.554 ppbv

RT: 6.17 min Scan# 1007

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

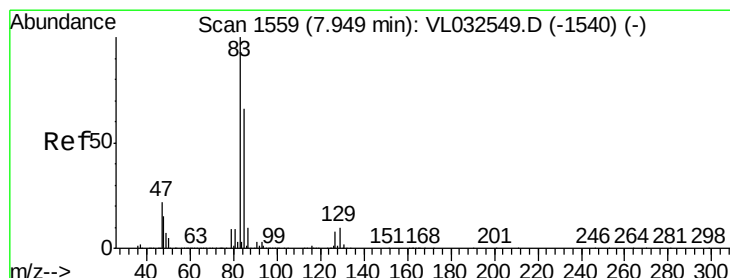
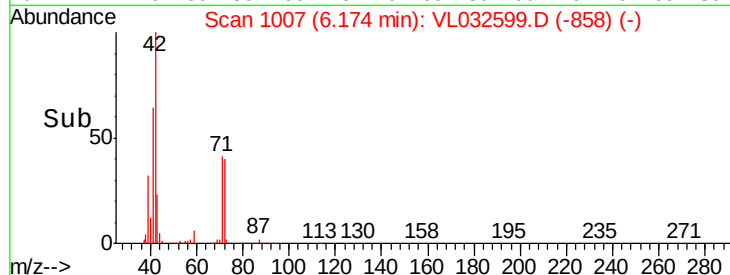
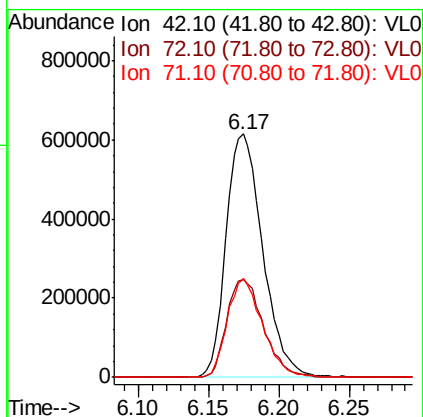
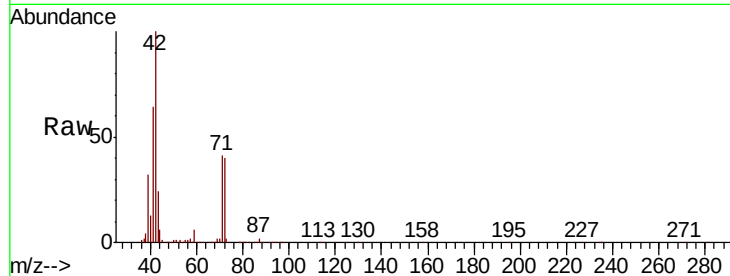
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	1116429
Ion	Ratio	Lower	Upper
42	100		
72	40.7	29.5	44.3
71	39.0	28.3	42.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.687 ppbv

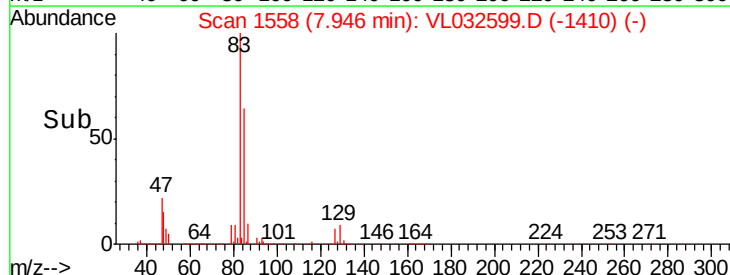
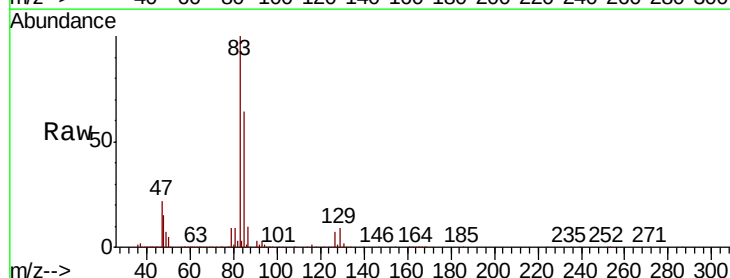
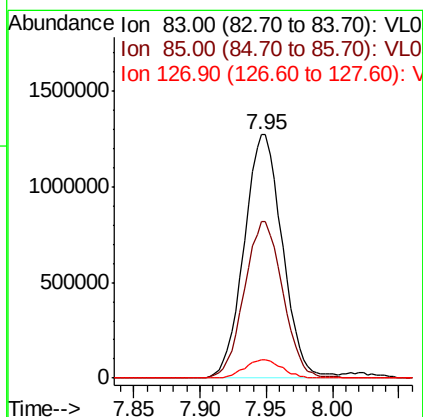
RT: 7.95 min Scan# 1558

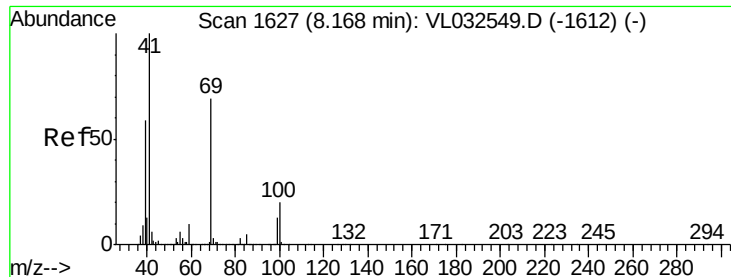
Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Tgt Ion:	83	Resp:	2552961
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	7.3	5.8	8.8





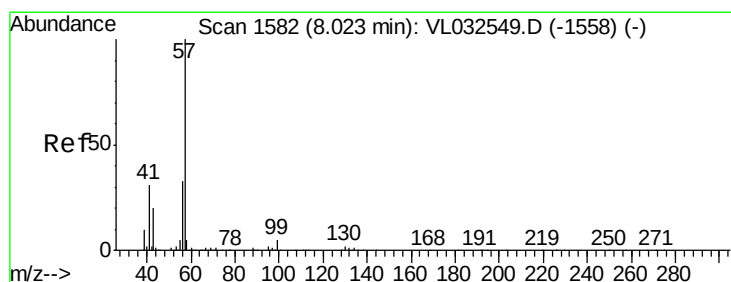
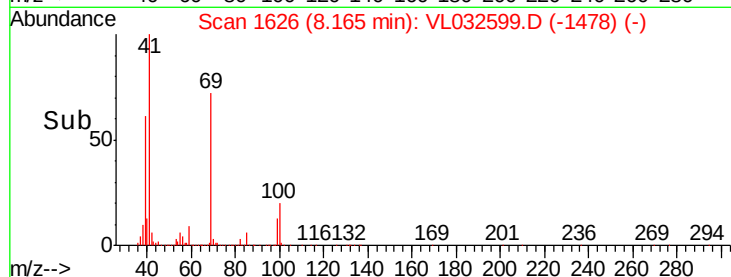
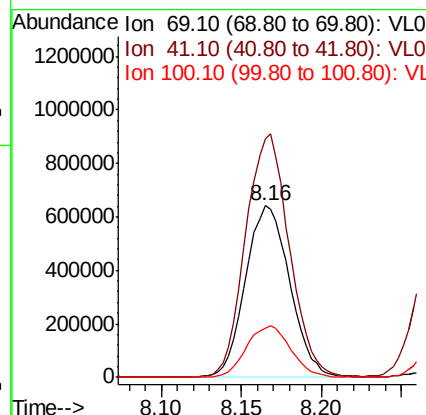
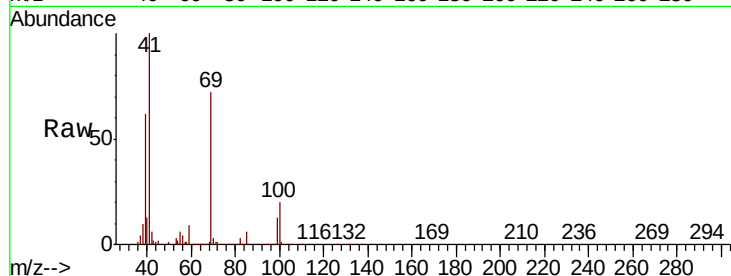
#43
Methyl Methacrylate
Concen: 9.953 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1213673
Ion Ratio Lower Upper
69 100
41 139.8 117.1 175.7
100 30.0 23.4 35.2

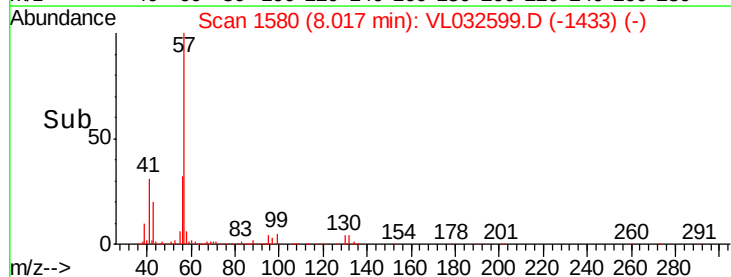
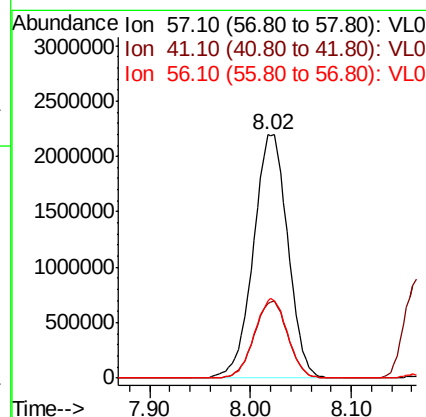
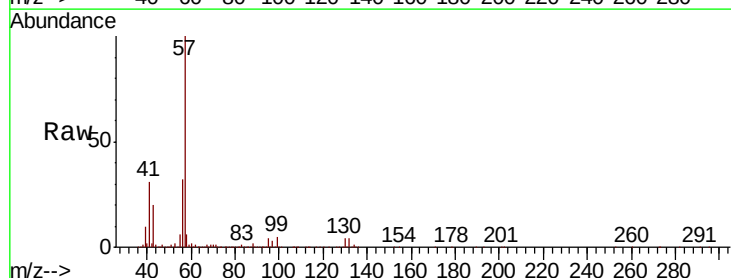
Manual Integrations
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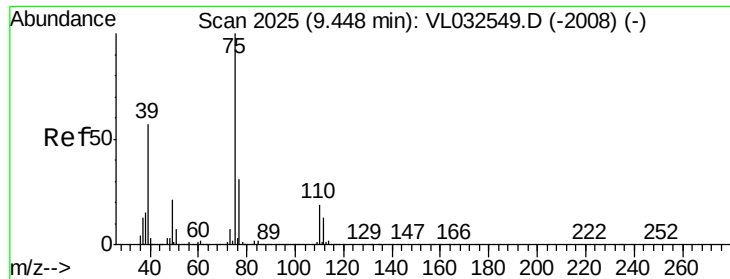
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.109 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 57 Resp: 5196240
Ion Ratio Lower Upper
57 100
41 30.9 24.4 36.6
56 31.4 25.7 38.5





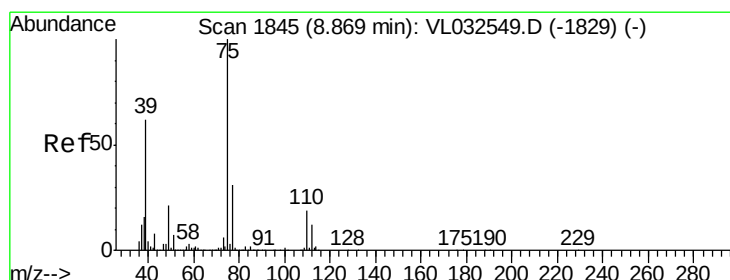
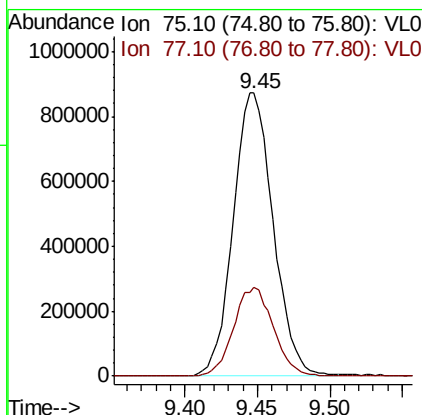
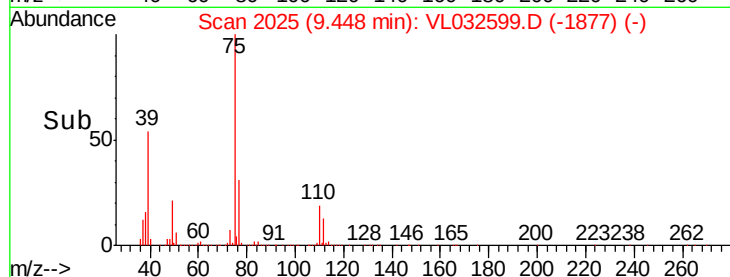
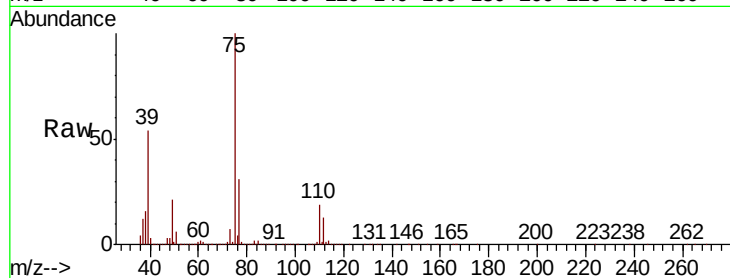
#45
t-1,3-Dichloropropene
Concen: 10.970 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1663912
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2

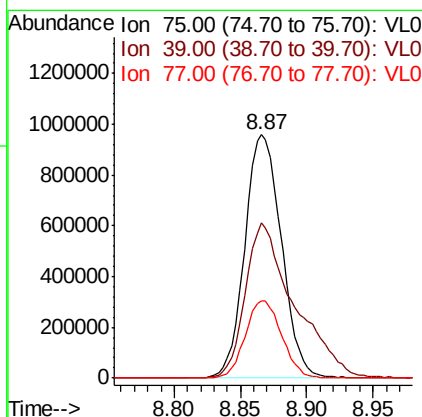
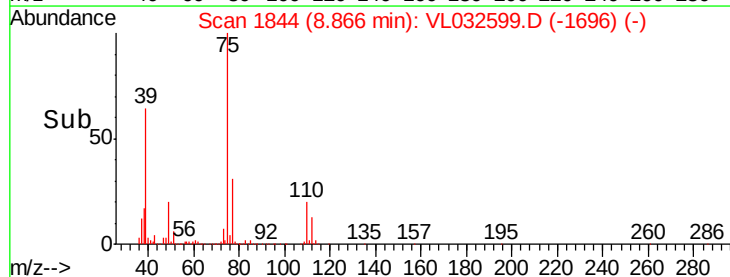
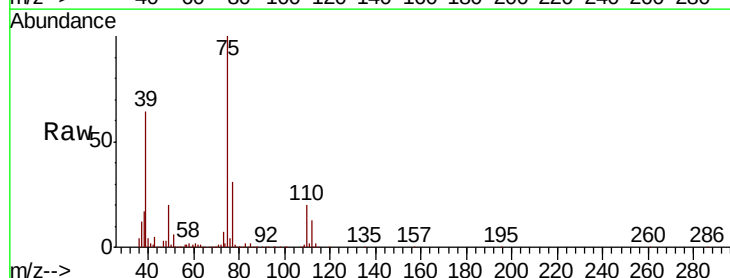
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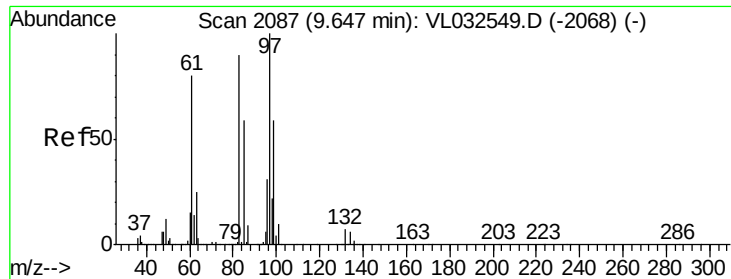
MMDadoda
10/12/2018 2:07:26 PM



#46
cis-1,3-Dichloropropene
Concen: 10.352 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 75 Resp: 1841769
Ion Ratio Lower Upper
75 100
39 63.9 48.9 73.3
77 31.5 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.170 ppbv

RT: 9.64 min Scan# 2086

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1339679

Ion Ratio Lower Upper

97 100

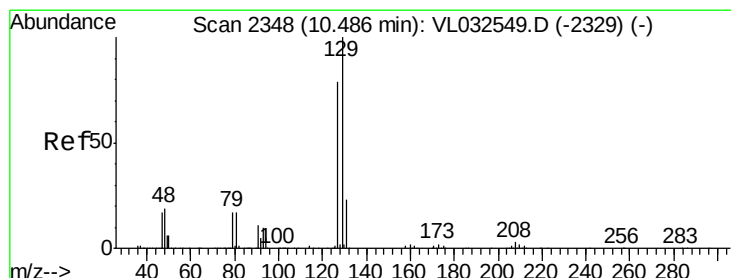
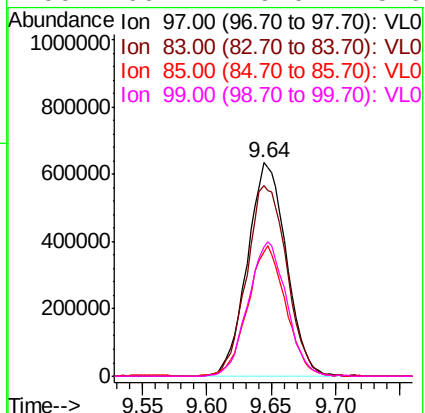
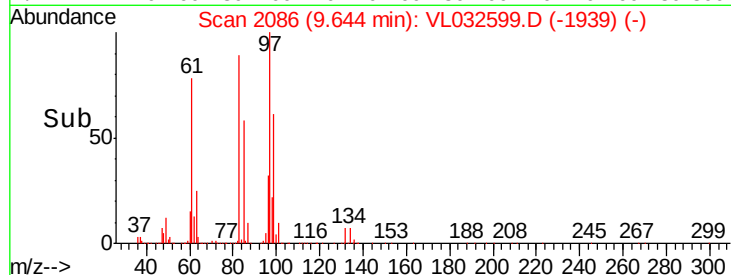
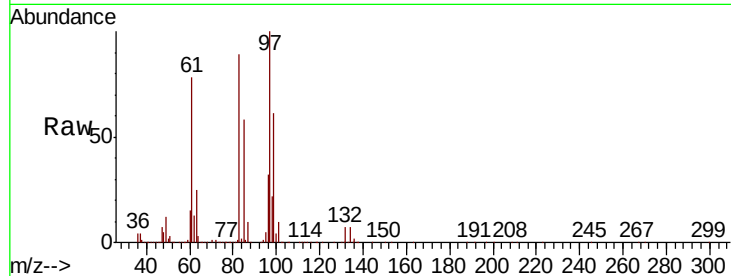
83 89.2 75.0 112.4

85 57.8 47.5 71.3

99 60.7 49.0 73.6

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#48

Dibromochloromethane

Concen: 9.941 ppbv

RT: 10.49 min Scan# 2348

Delta R.T. -0.02 min

Lab File: VL032599.D

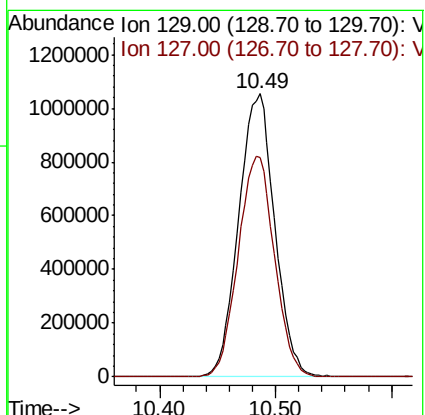
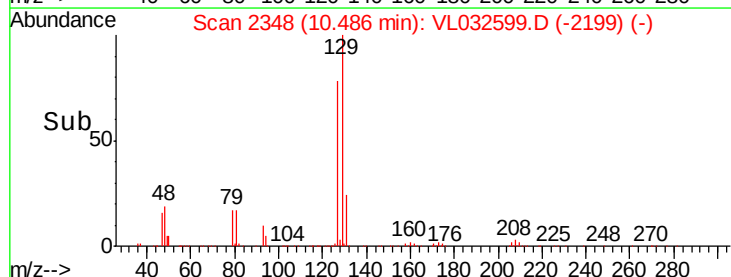
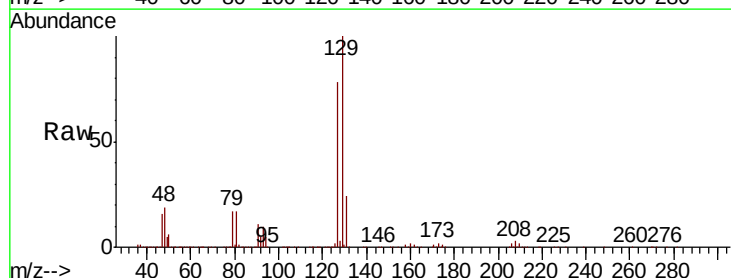
Acq: 11 Oct 2018 9:41

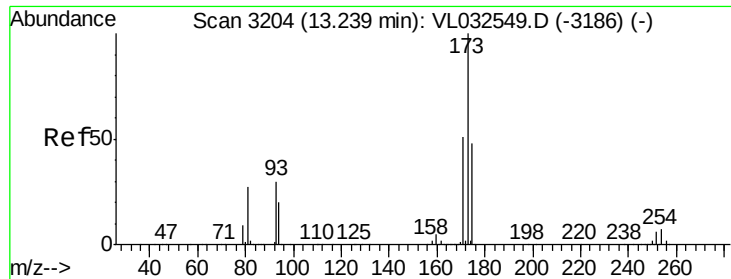
Tgt Ion: 129 Resp: 2283745

Ion Ratio Lower Upper

129 100

127 78.7 39.5 118.3





#49

Bromoform

Concen: 10.322 ppbv

RT: 13.23 min Scan# 3202

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1811876

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

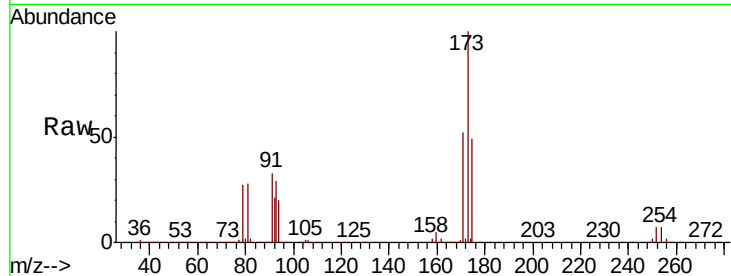
171 52.2 41.6 62.4

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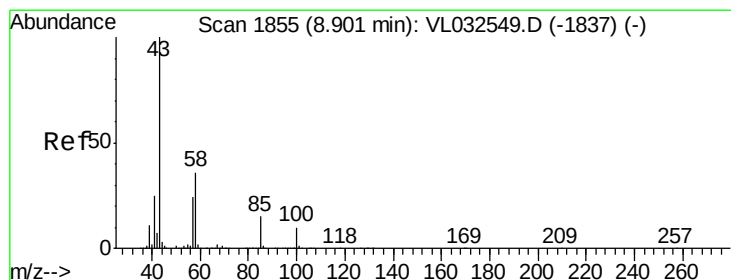
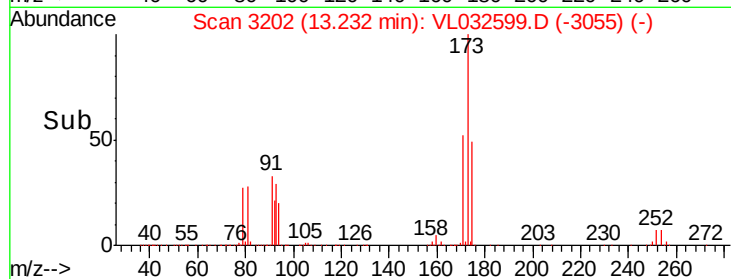
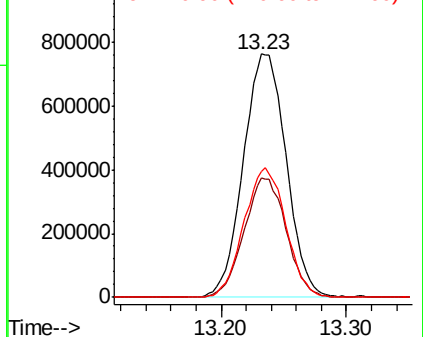


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.823 ppbv

RT: 8.90 min Scan# 1854

Delta R.T. -0.02 min

Lab File: VL032599.D

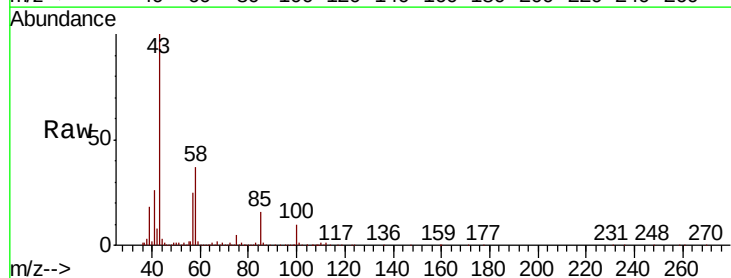
Acq: 11 Oct 2018 9:41

Tgt Ion: 43 Resp: 2983047

Ion Ratio Lower Upper

43 100

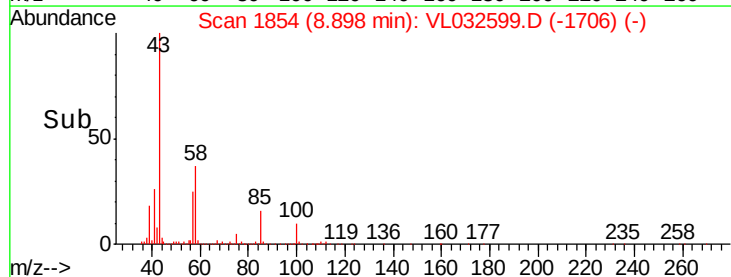
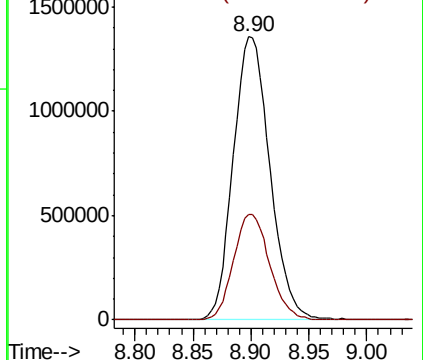
58 36.9 29.0 43.4

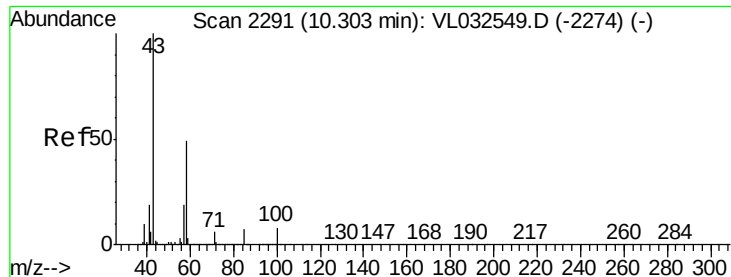


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





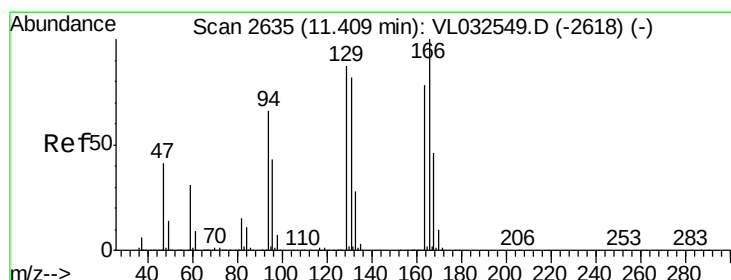
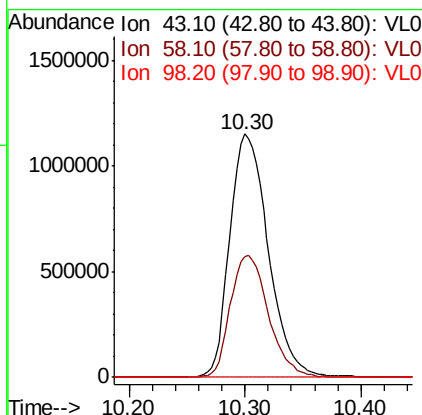
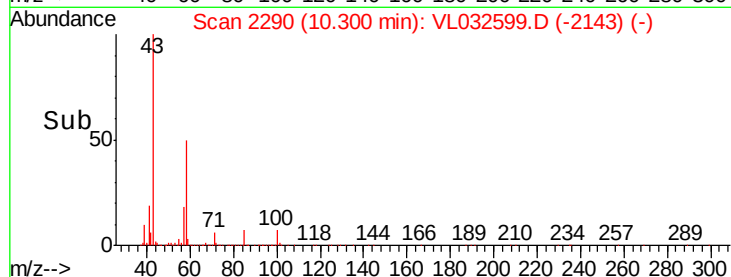
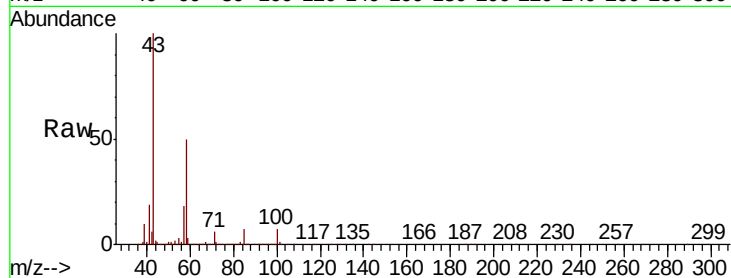
#51
2-Hexanone
Concen: 9.443 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.2	58.8
98	0.6	0.4	0.6

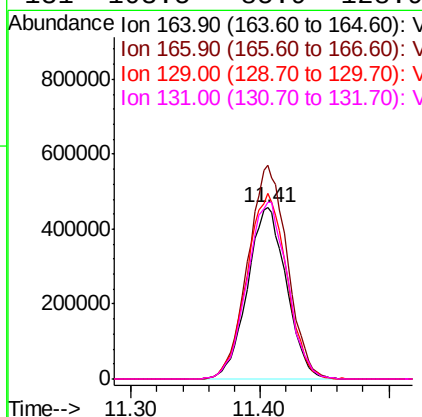
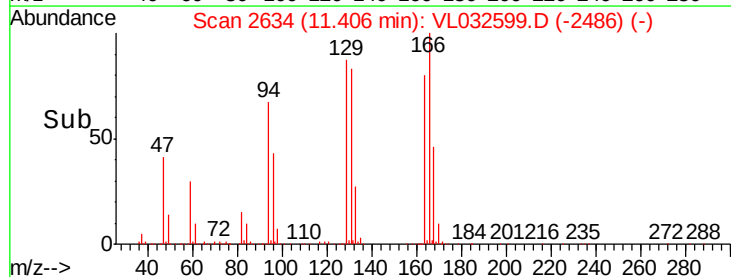
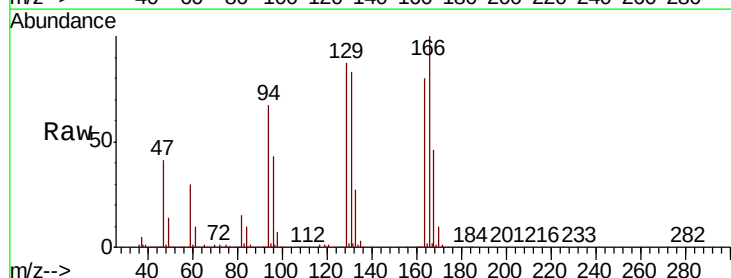
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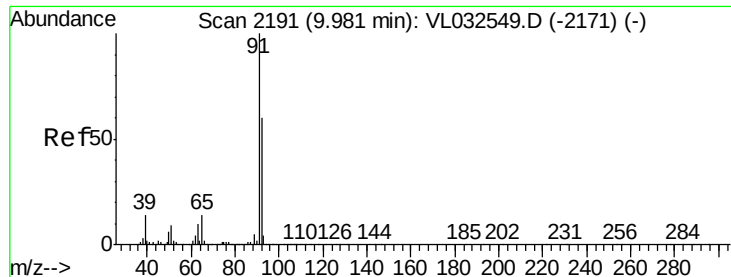
MMDadoda
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#52
Tetrachloroethene
Concen: 9.466 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.6	150.8
129	108.7	89.9	134.9
131	103.5	85.9	128.9





#53

Toluene

Concen: 10.247 ppbv

RT: 9.97 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3644918

Ion Ratio Lower Upper

91 100

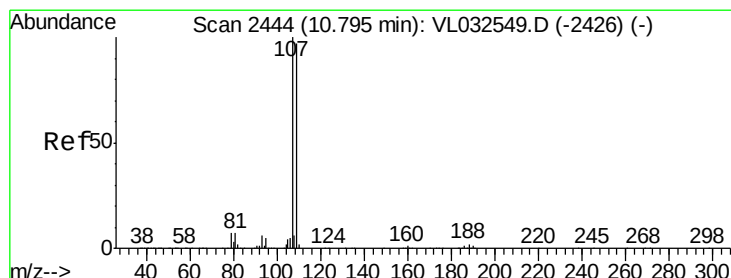
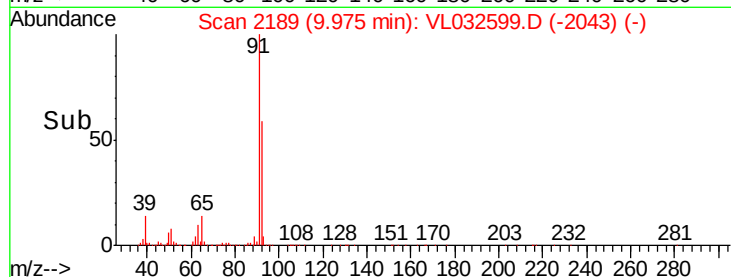
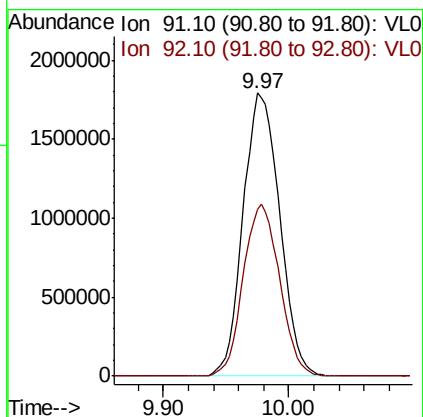
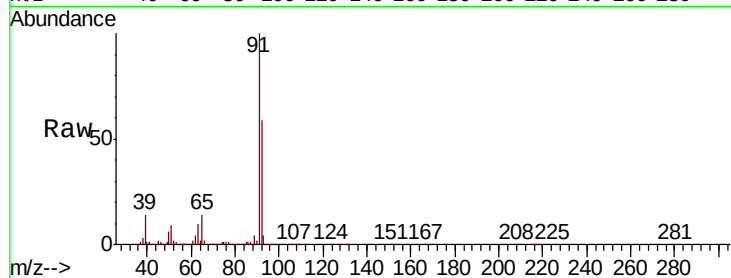
92 60.4 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 9.745 ppbv

RT: 10.79 min Scan# 2443

Delta R.T. -0.02 min

Lab File: VL032599.D

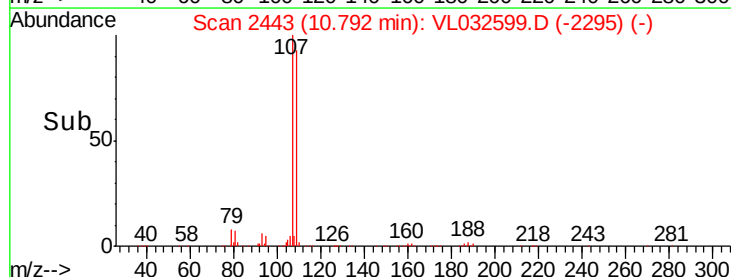
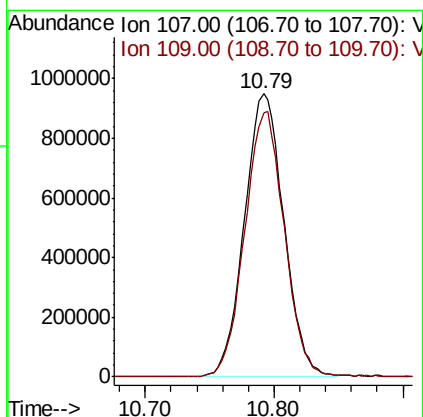
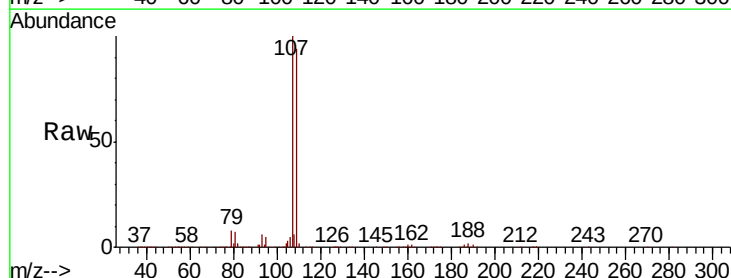
Acq: 11 Oct 2018 9:41

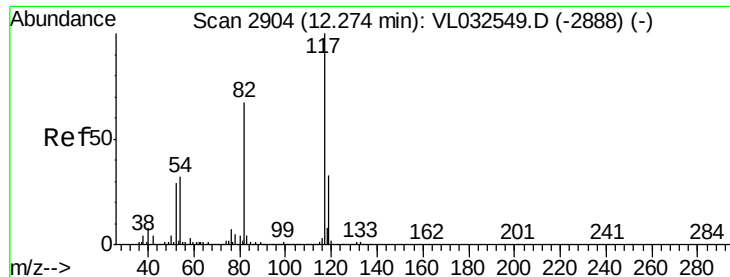
Tgt Ion: 107 Resp: 2025143

Ion Ratio Lower Upper

107 100

109 93.5 73.9 110.9





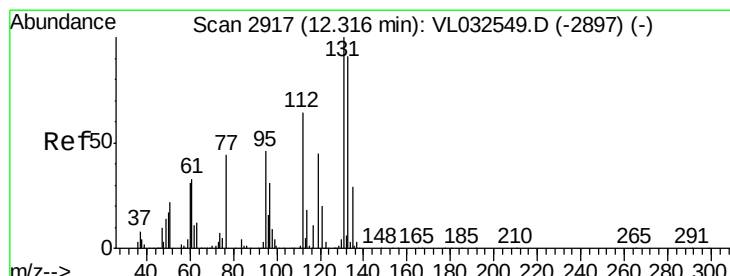
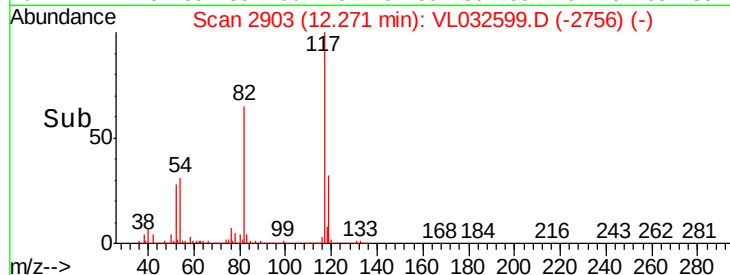
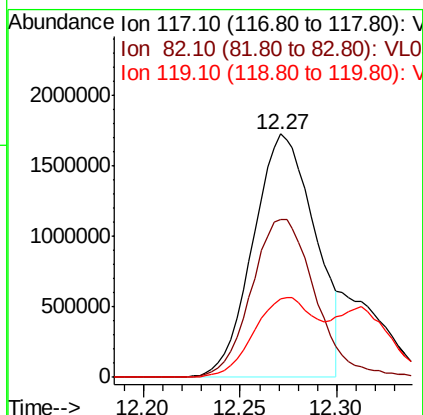
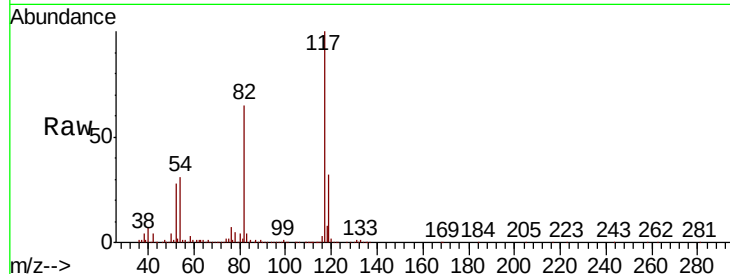
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.0	79.6
119	59.0	45.9	68.9

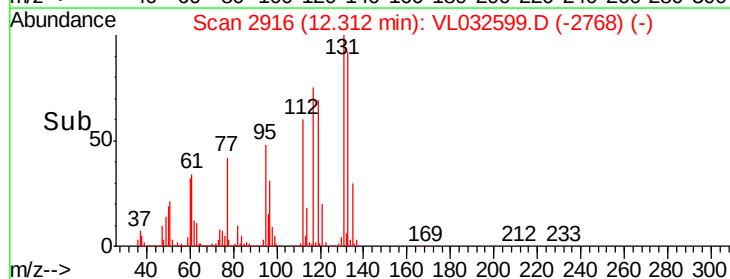
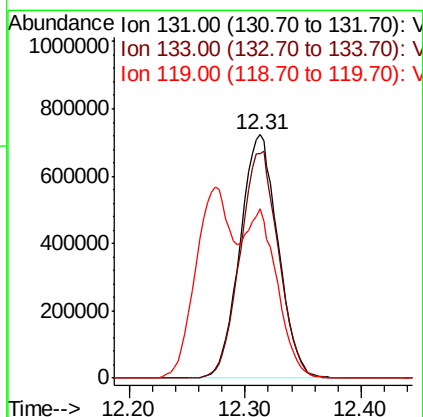
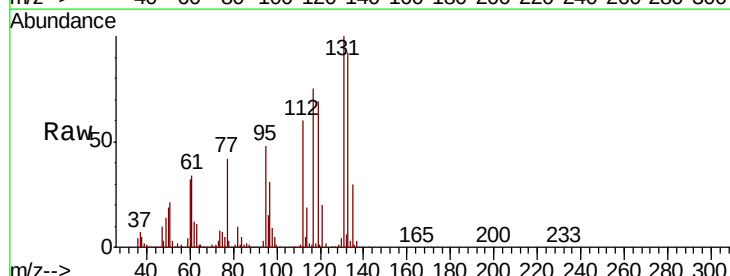
Manual Integrations
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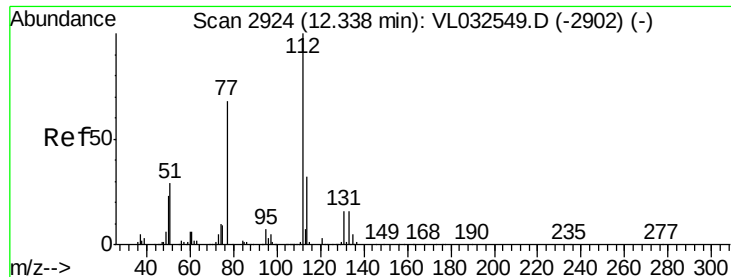
MMDadoda
10/12/2018 2:07:26 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.517 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.0	115.4
119	62.0	114.2	171.2#





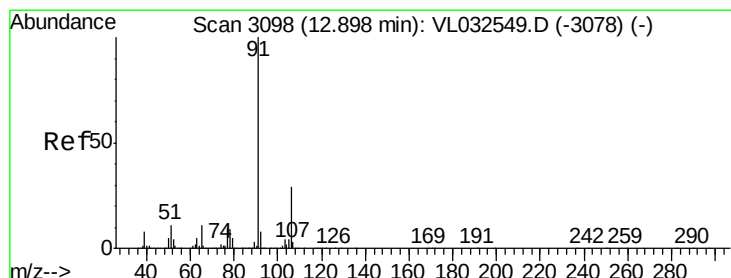
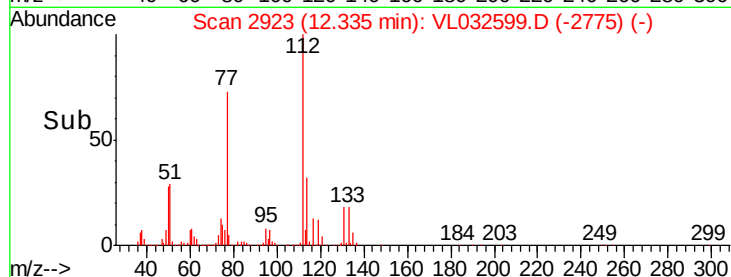
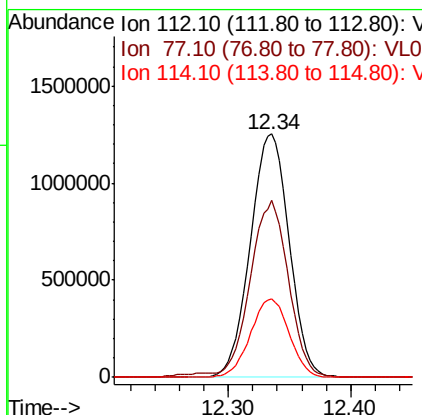
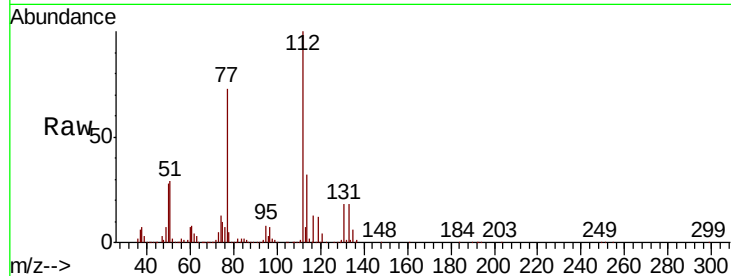
#57
Chlorobenzene
Concen: 8.901 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.6	56.1	84.1
114	32.2	27.8	34.0

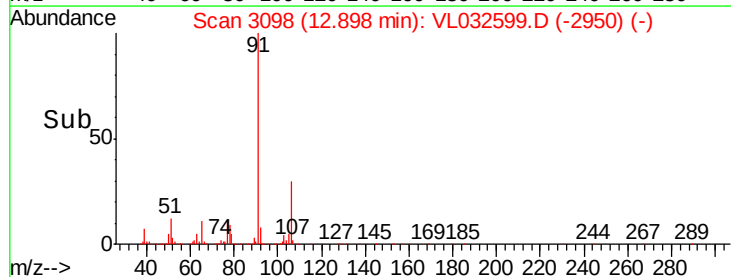
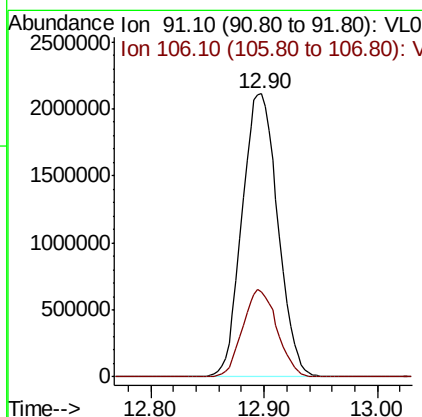
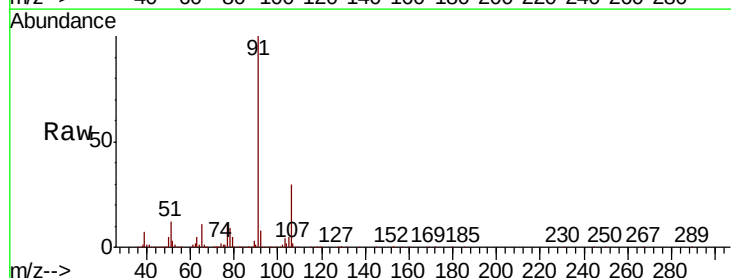
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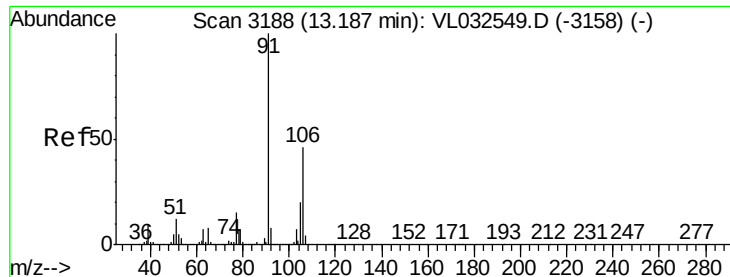
MMDadoda
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#58
Ethyl Benzene
Concen: 9.938 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.8	37.2





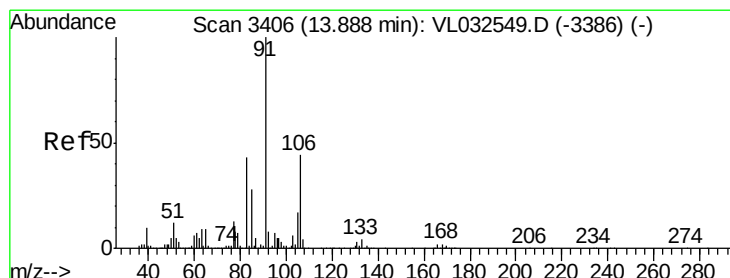
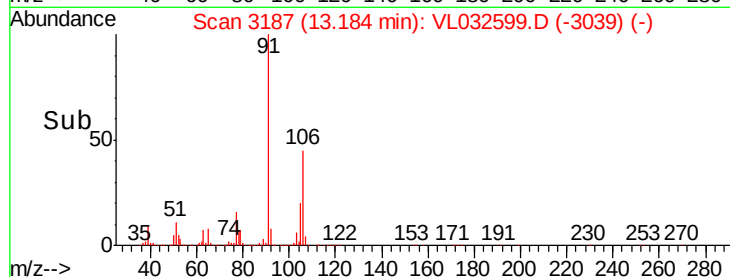
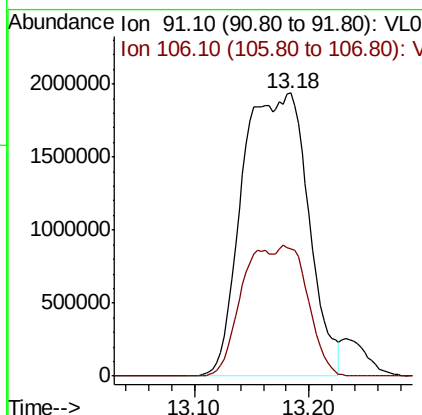
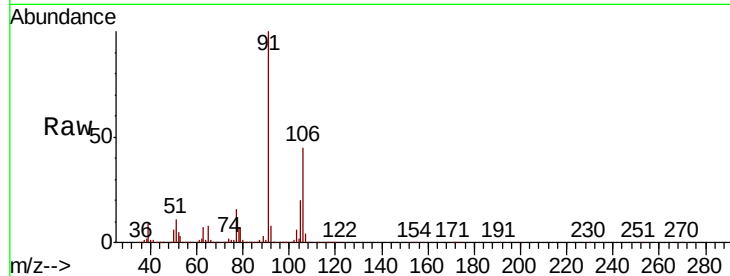
#59
m/p-Xylene
Concen: 18.566 ppbv m
RT: 13.18 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7710905
Ion Ratio Lower Upper
91 100
106 45.2 36.6 55.0

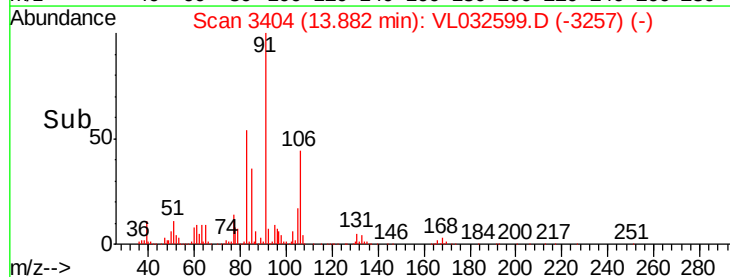
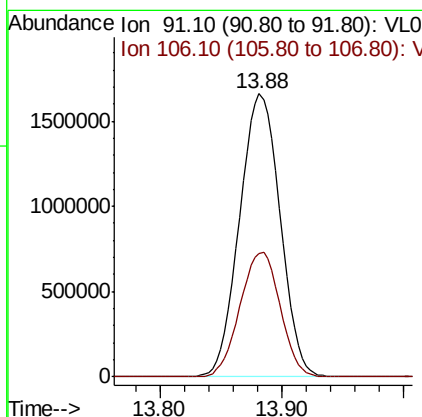
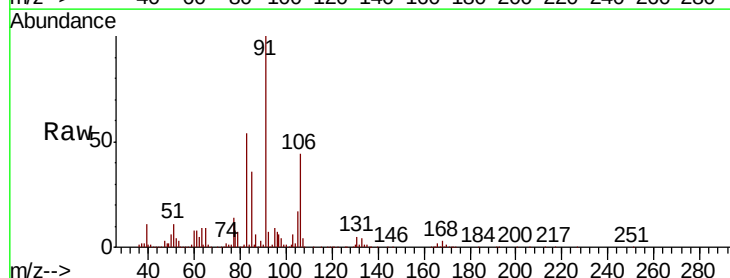
Manual Integrations
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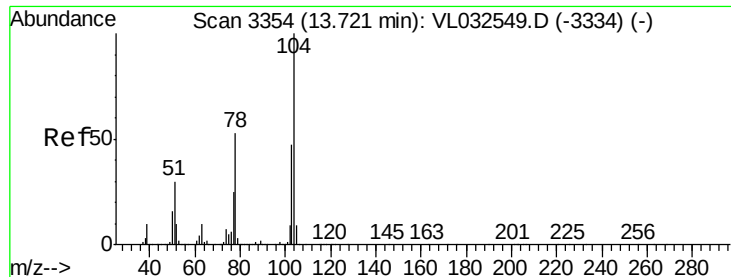
MMDadoda
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#60
o-Xylene
Concen: 9.415 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 3807039
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7





#61

Stvrene

Concen: 10.411 ppbv

RT: 13.72 min Scan# 3353

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2753870

Ion Ratio Lower Upper

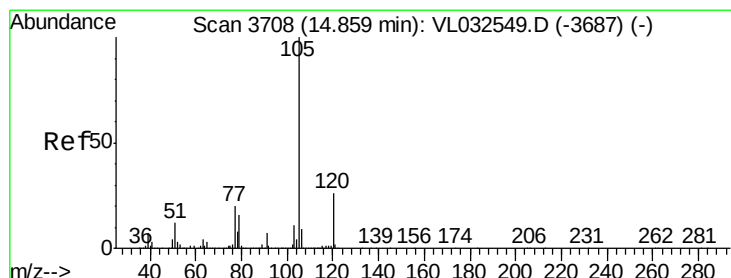
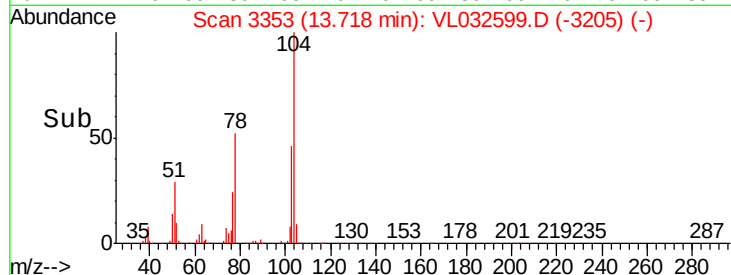
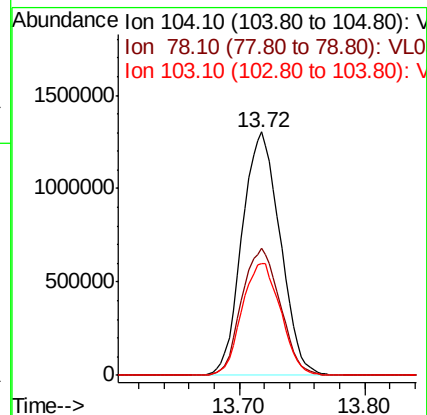
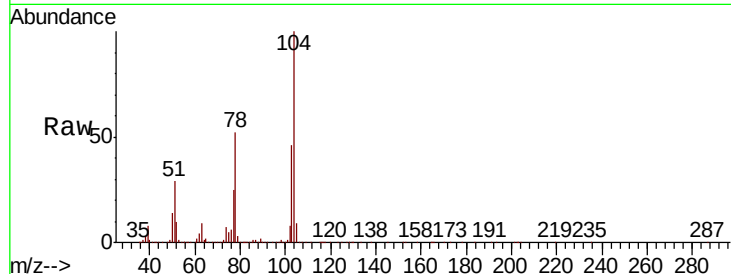
104 100

78 52.7 41.8 62.8

103 47.0 38.0 57.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 9.350 ppbv

RT: 14.86 min Scan# 3708

Delta R.T. -0.03 min

Lab File: VL032599.D

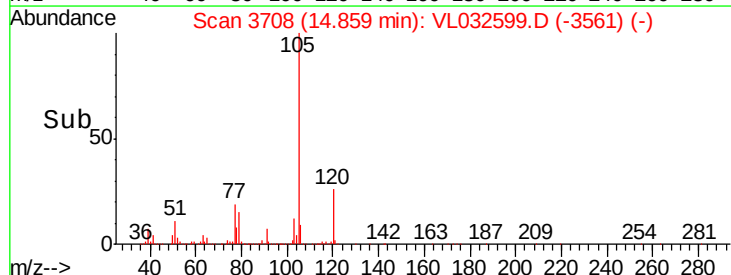
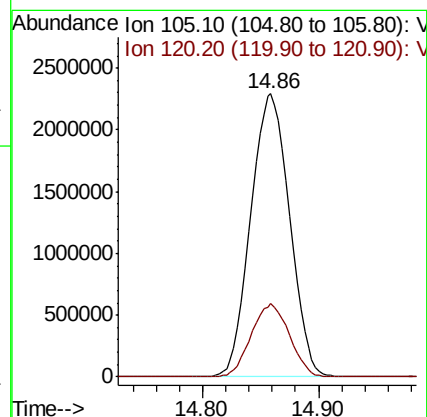
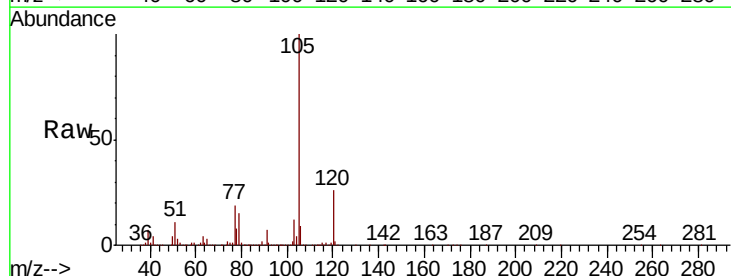
Acq: 11 Oct 2018 9:41

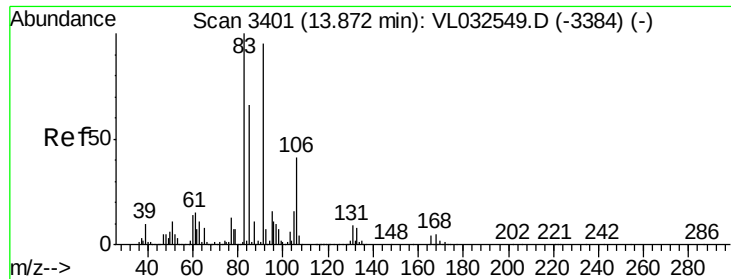
Tgt Ion:105 Resp: 5347013

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.088 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2905472

Ion Ratio Lower Upper

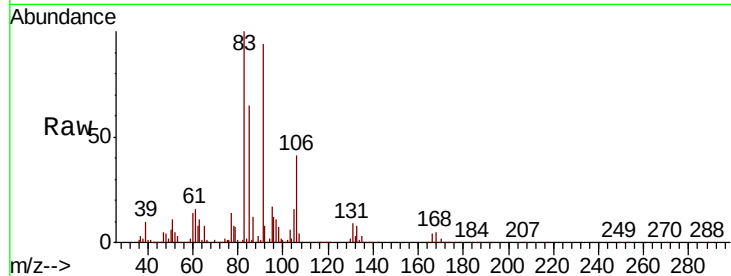
83 100

131 8.7 4.3 12.8

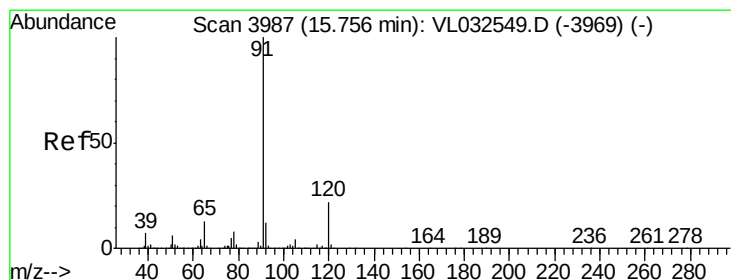
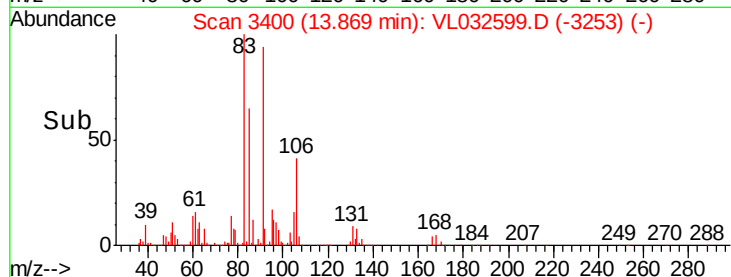
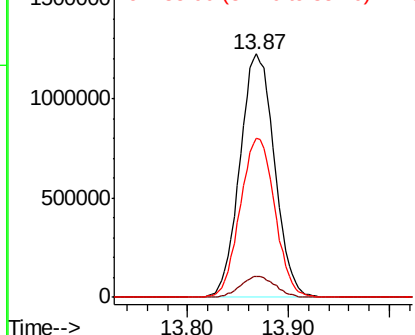
85 65.7 32.3 96.8

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.370 ppbv

RT: 15.75 min Scan# 3986

Delta R.T. -0.03 min

Lab File: VL032599.D

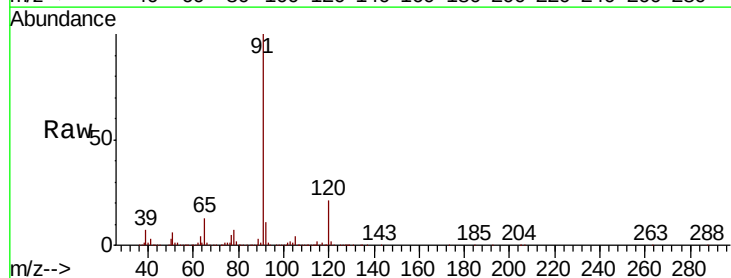
Acq: 11 Oct 2018 9:41

Tgt Ion:120 Resp: 1376557

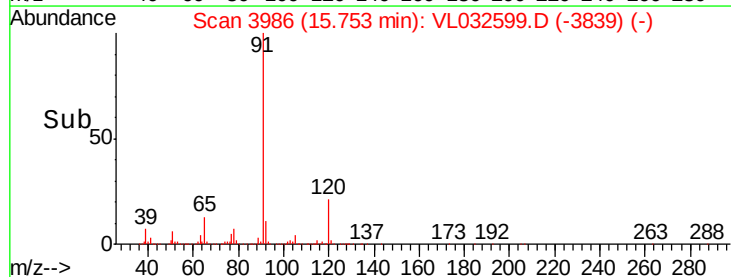
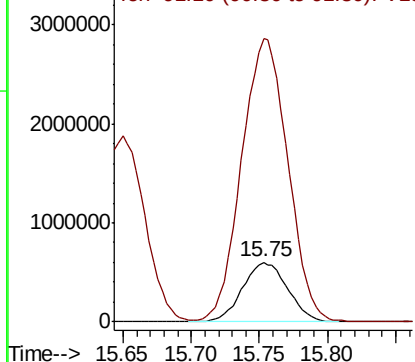
Ion Ratio Lower Upper

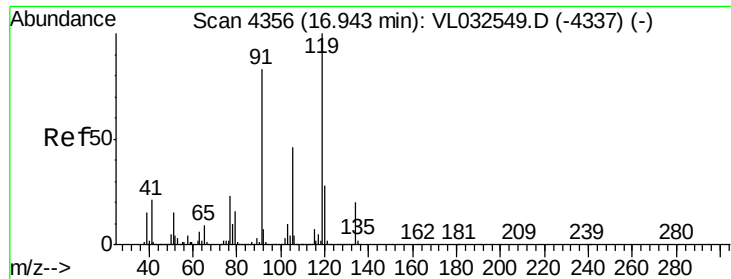
120 100

91 489.0 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





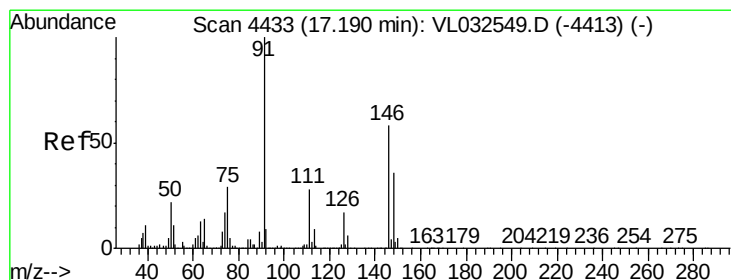
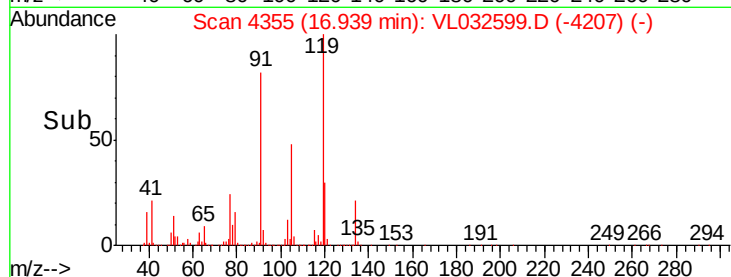
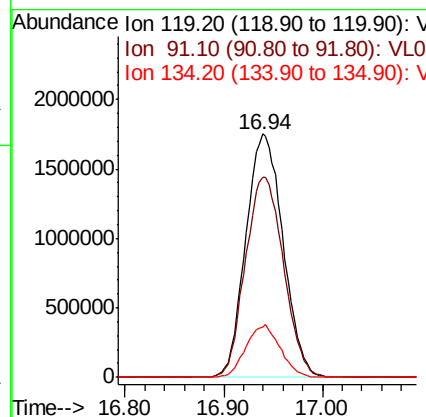
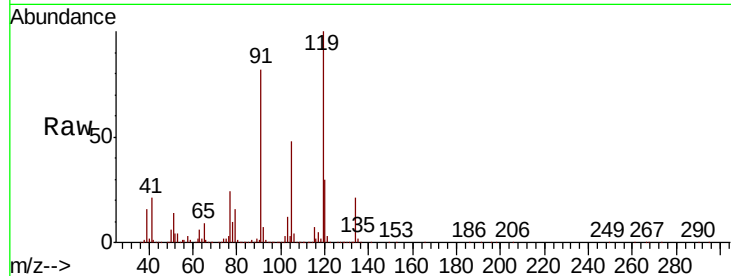
#65
tert-Butylbenzene
Concen: 9.299 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4558032
Ion Ratio Lower Upper
119 100
91 84.6 66.5 99.7
134 19.9 16.0 24.0

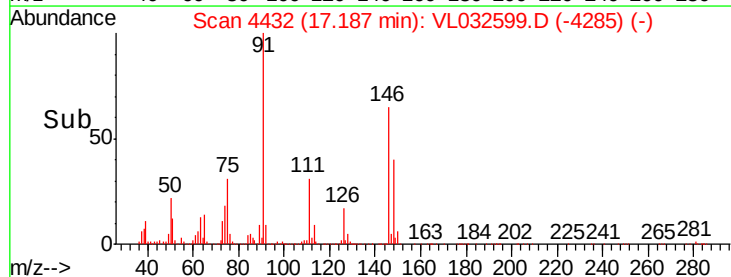
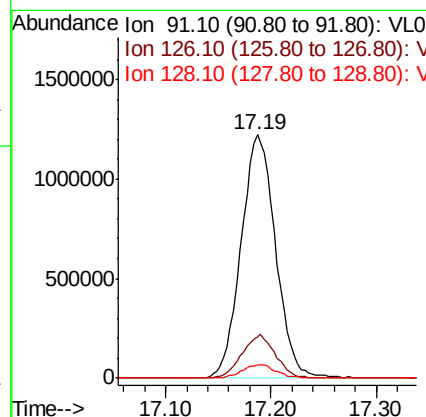
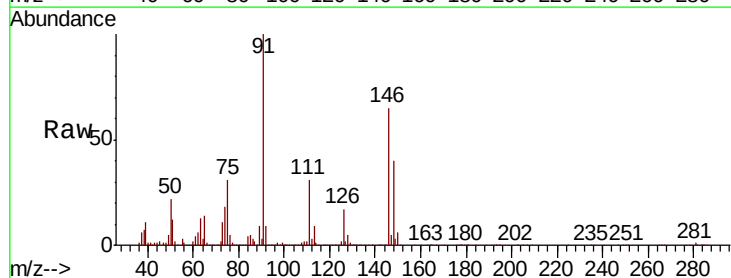
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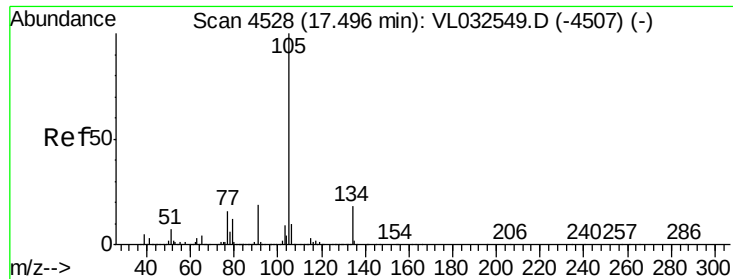
MMDadoda
10/12/2018 2:07:26 PM



#66
Benzyl Chloride
Concen: 9.812 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 2771937
Ion Ratio Lower Upper
91 100
126 17.4 13.8 20.8
128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.174 ppbv

RT: 17.49 min Scan# 4526

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 6685186

Ion Ratio Lower Upper

105 100

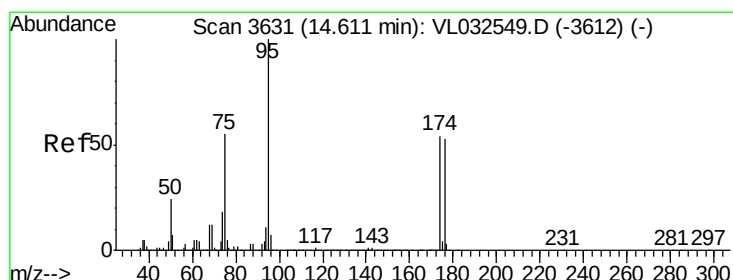
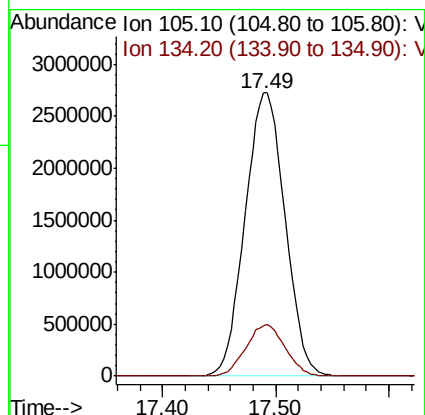
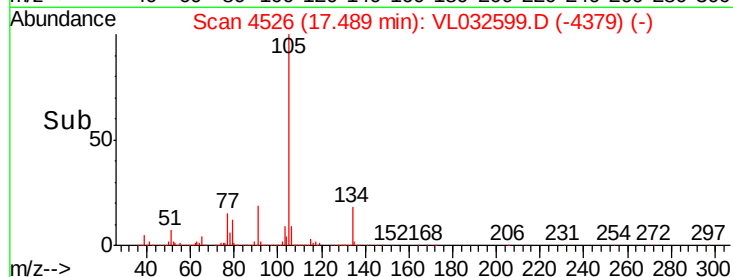
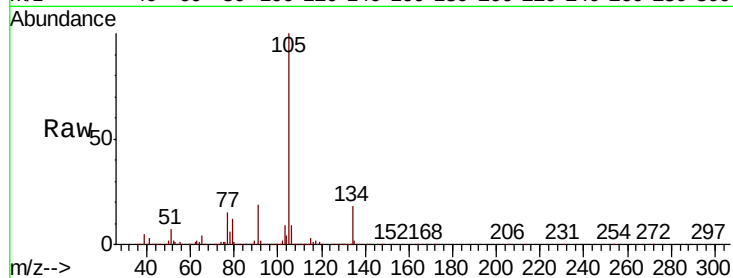
134 17.9 14.4 21.6

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.819 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

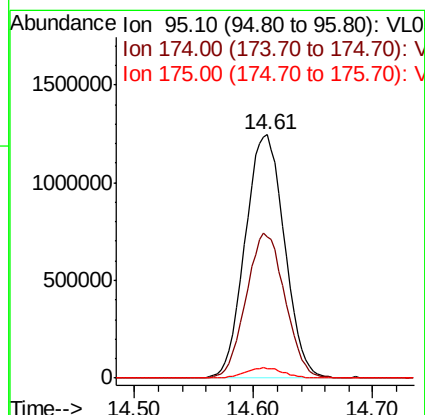
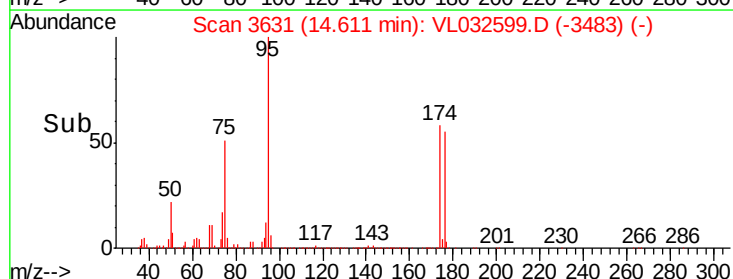
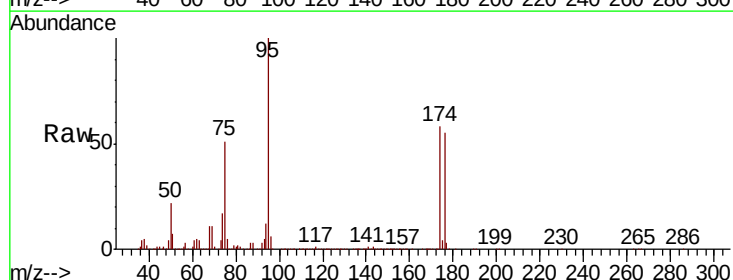
Tgt Ion: 95 Resp: 2849410

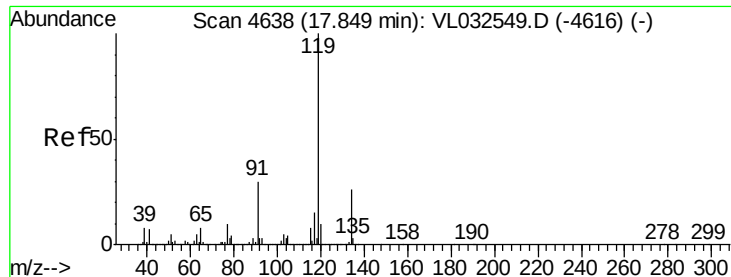
Ion Ratio Lower Upper

95 100

174 59.2 46.3 69.5

175 4.2 3.4 5.0





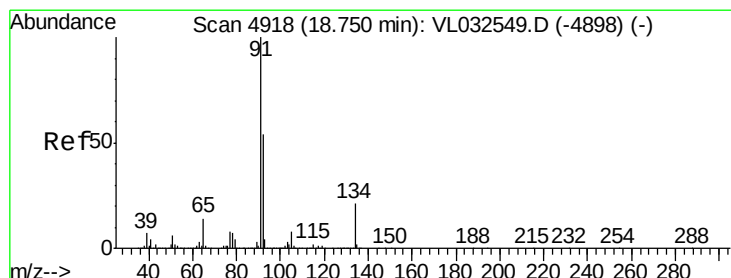
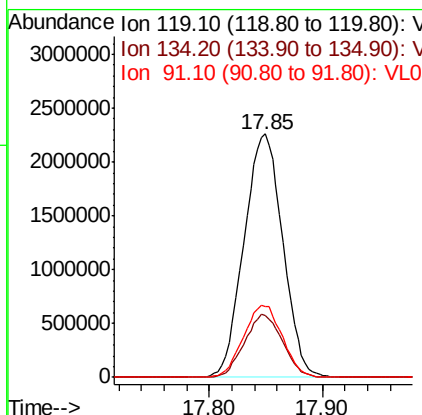
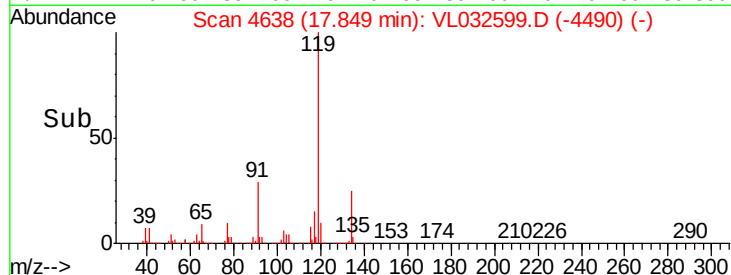
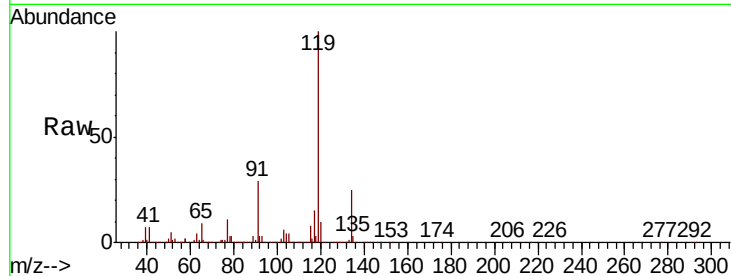
#69
 p-Isopropyltoluene
 Concen: 9.548 ppbv
 RT: 17.85 min Scan# 4638
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	29.7	23.4	35.2

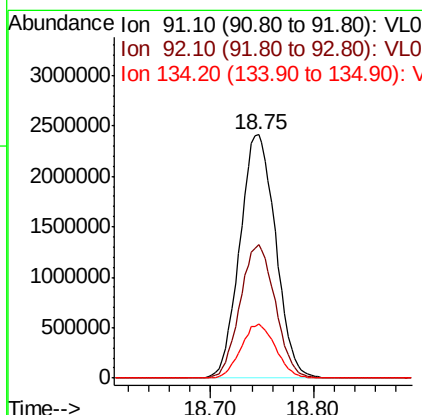
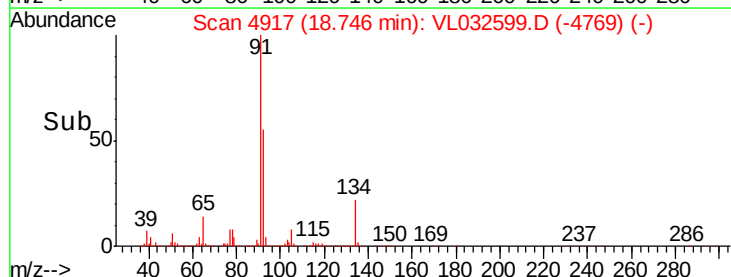
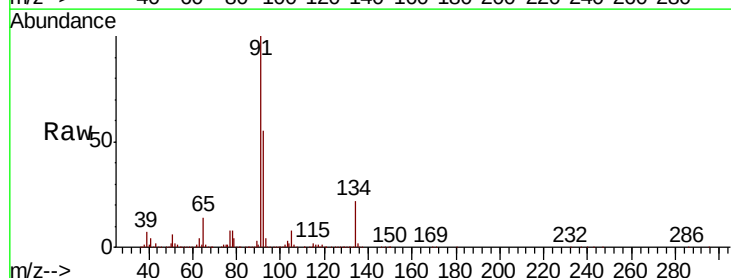
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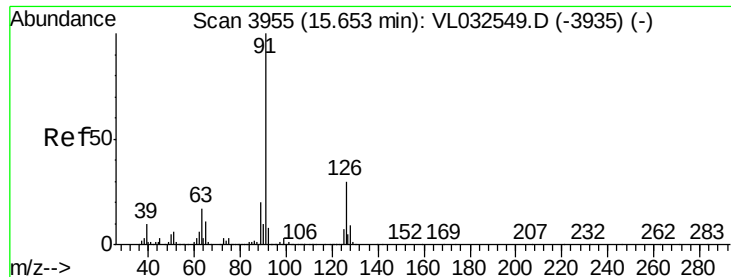
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#70
 n-Butylbenzene
 Concen: 9.420 ppbv
 RT: 18.75 min Scan# 4917
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	21.6	17.4	26.0





#71

2-Chlorotoluene

Concen: 9.738 ppbv

RT: 15.65 min Scan# 3954

Delta R.T. -0.03 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4241267

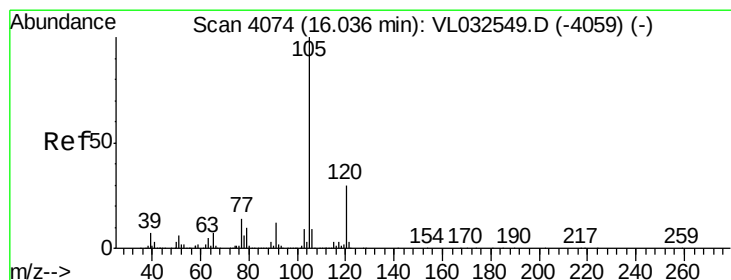
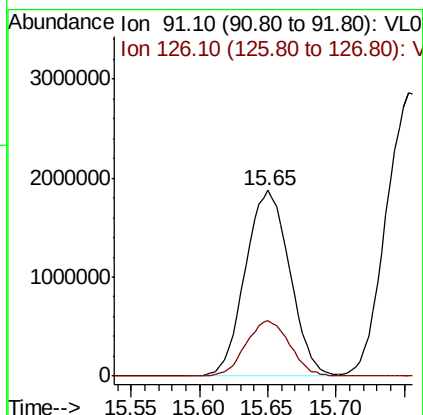
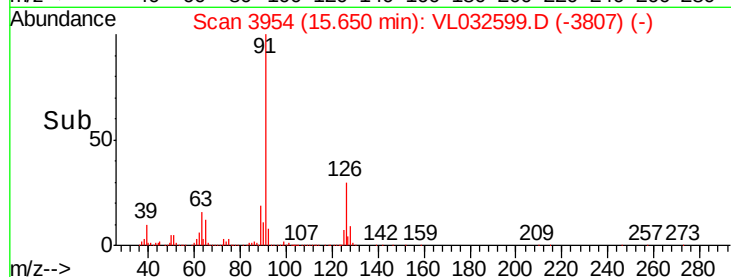
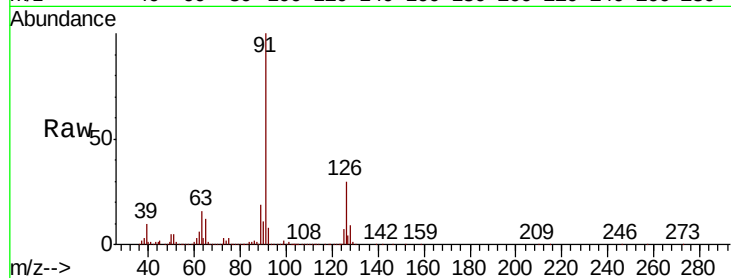
Ion Ratio Lower Upper

91 100

126 29.6 11.9 47.7

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.019 ppbv

RT: 16.03 min Scan# 4073

Delta R.T. -0.02 min

Lab File: VL032599.D

Acq: 11 Oct 2018 9:41

Tgt Ion: 105 Resp: 4397345

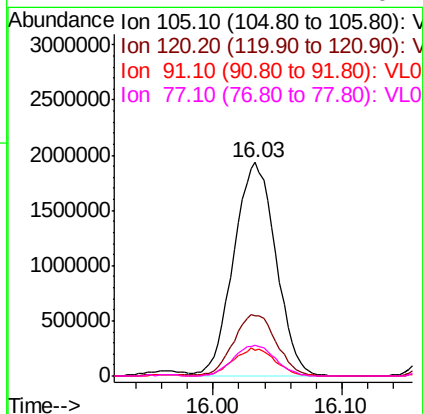
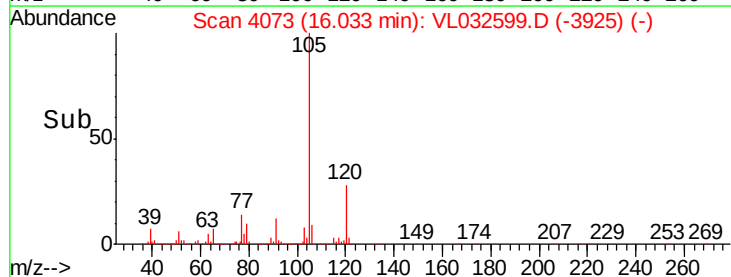
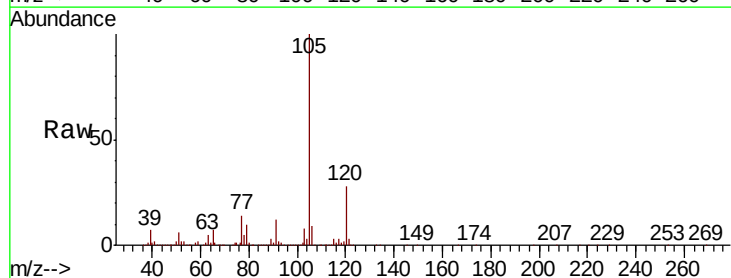
Ion Ratio Lower Upper

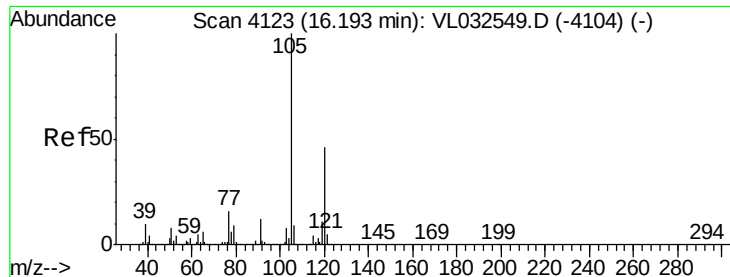
105 100

120 28.9 23.5 35.3

91 13.4 10.2 15.2

77 14.4 11.1 16.7





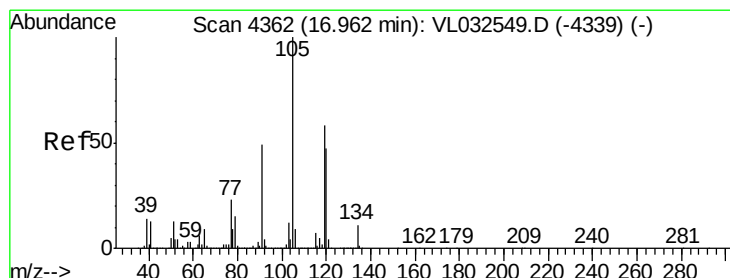
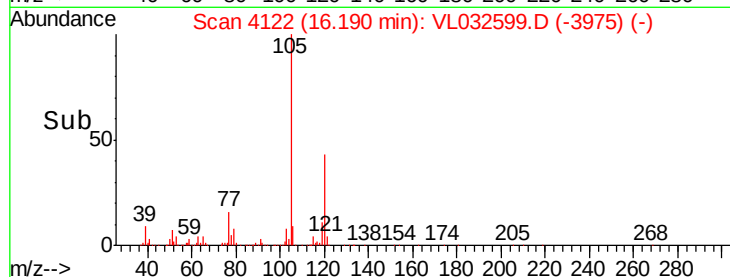
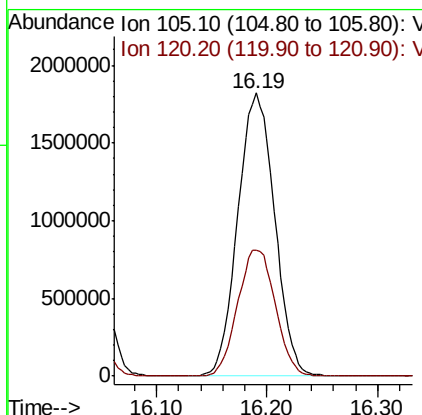
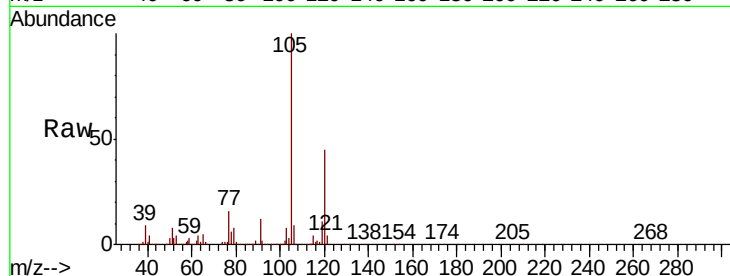
#73
 1,3,5-Trimethylbenzene
 Concen: 9.879 ppbv
 RT: 16.19 min Scan# 4122
 Delta R.T. -0.03 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4213880
 Ion Ratio Lower Upper
 105 100
 120 44.7 37.9 56.9

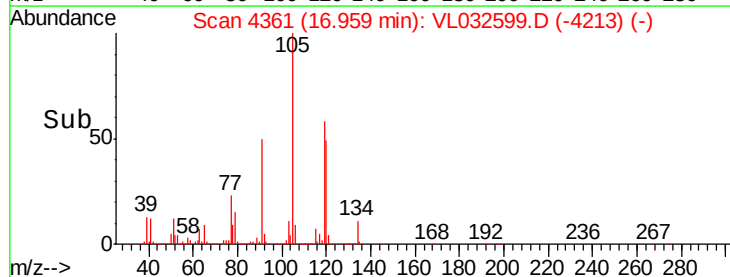
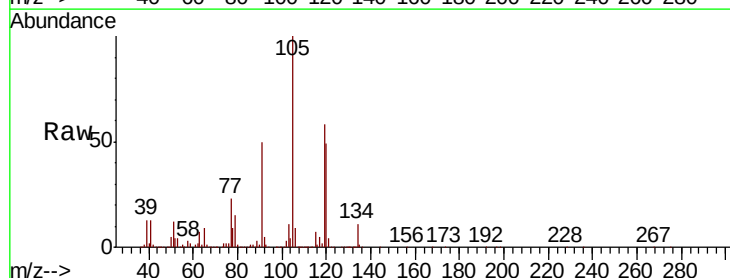
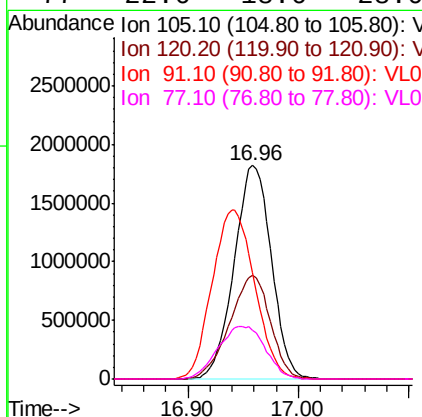
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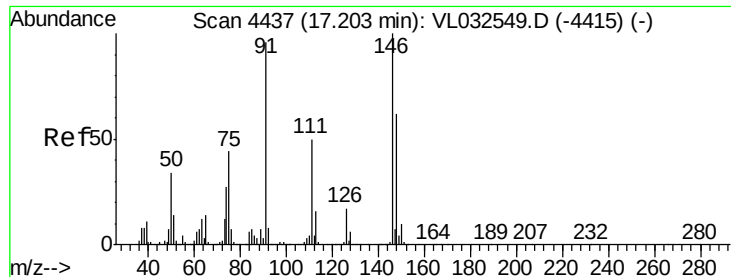
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.259 ppbv
 RT: 16.96 min Scan# 4361
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion:105 Resp: 4252381
 Ion Ratio Lower Upper
 105 100
 120 48.8 37.8 56.8
 91 49.8 41.4 62.0
 77 22.6 18.6 28.0





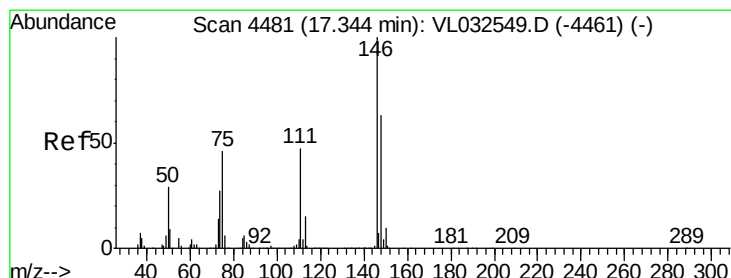
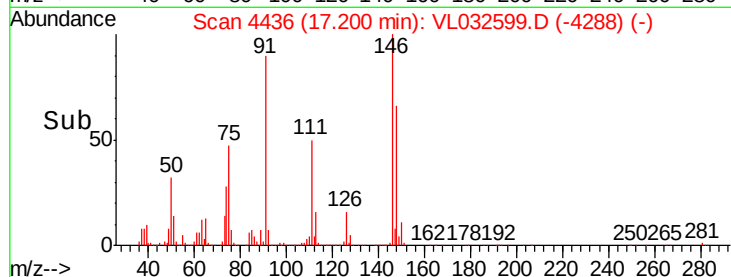
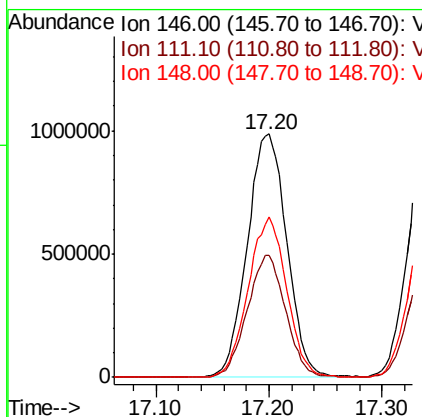
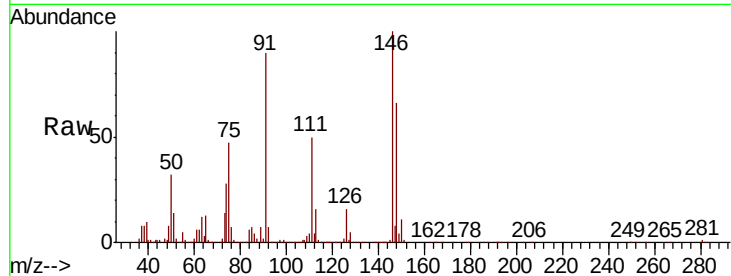
#75
 1,3-Dichlorobenzene
 Concen: 8.452 ppbv
 RT: 17.20 min Scan# 4436
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2395209
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.5 73.5
 148 64.4 32.0 96.2

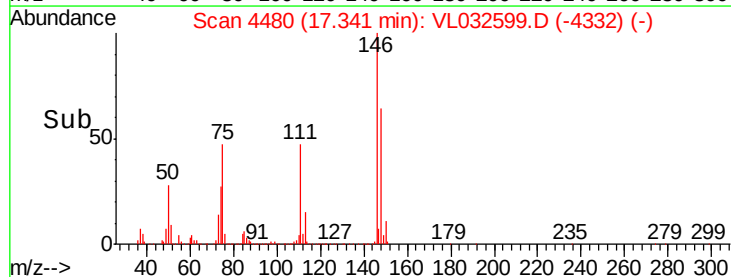
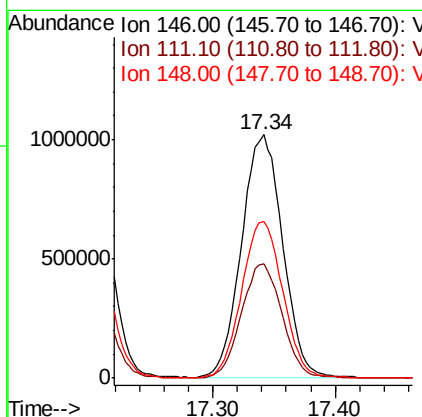
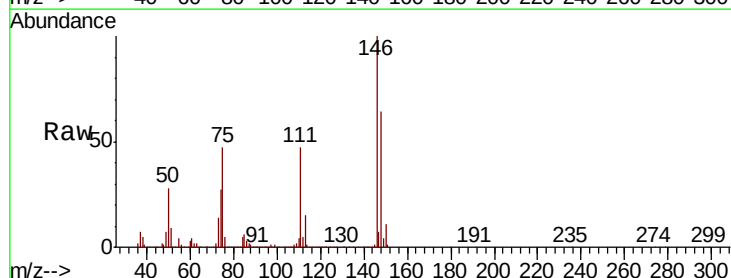
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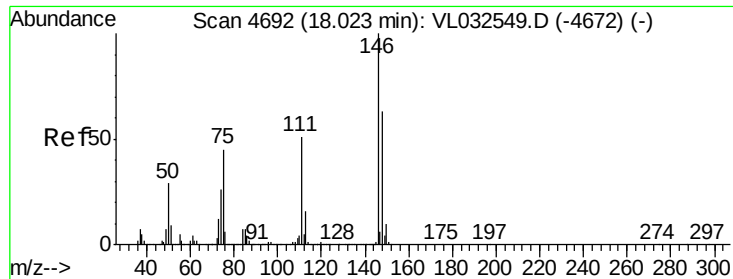
MMDadoda
 10/12/2018 2:07:26 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.099 ppbv
 RT: 17.34 min Scan# 4480
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion:146 Resp: 2361108
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.2
 148 65.1 32.0 96.2





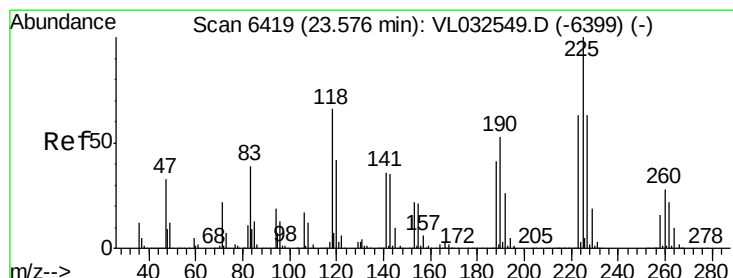
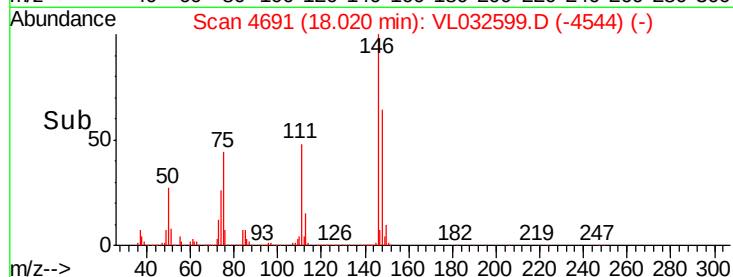
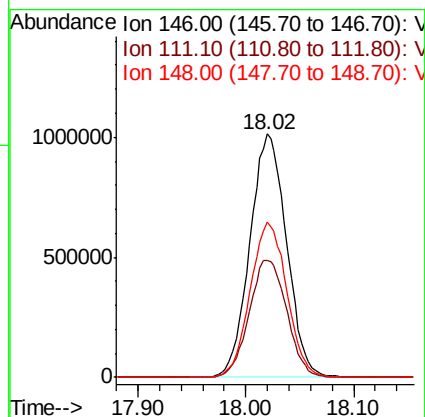
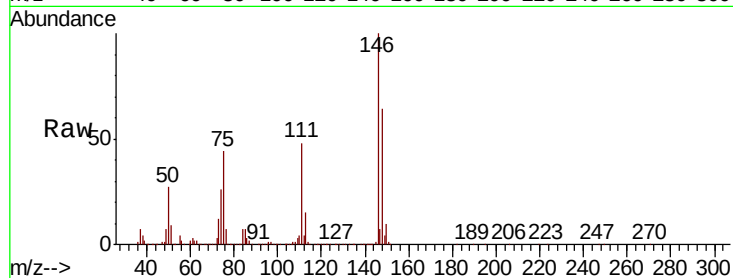
#77
 1,2-Dichlorobenzene
 Concen: 8.969 ppbv
 RT: 18.02 min Scan# 4691
 Delta R.T. -0.03 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.9	74.8
148	64.0	32.0	96.0

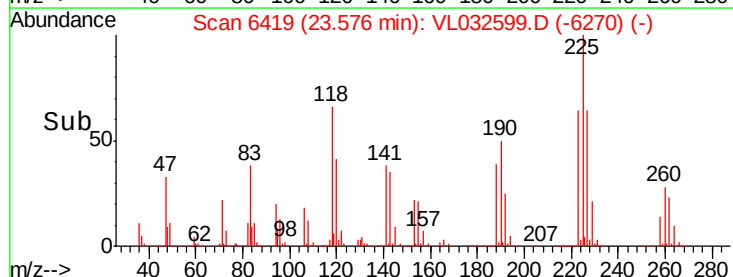
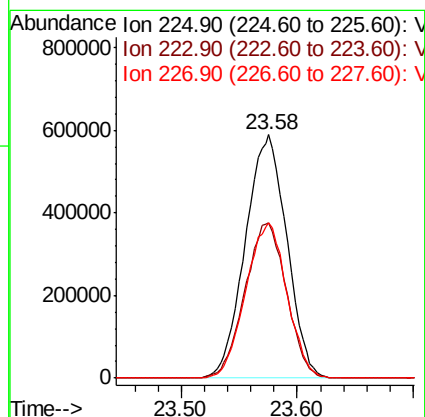
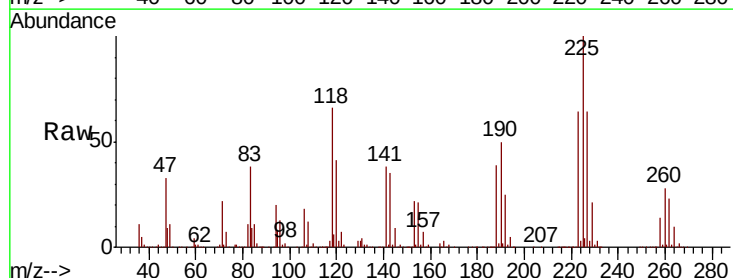
Manual Integrations
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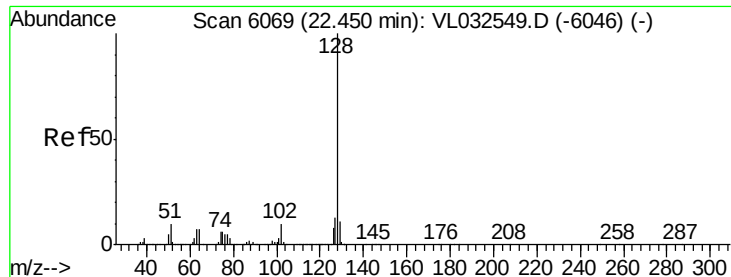
MMDadoda
 10/12/2018 2:07:26 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 14.643 ppbv
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	63.3	51.2	76.8





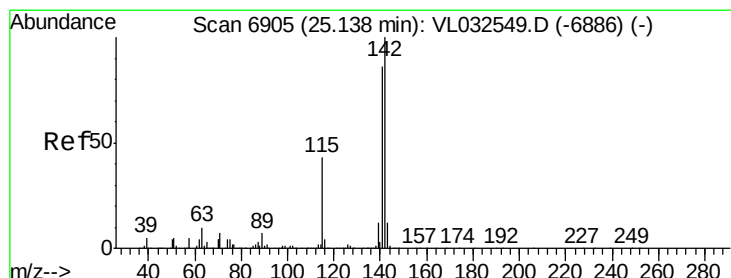
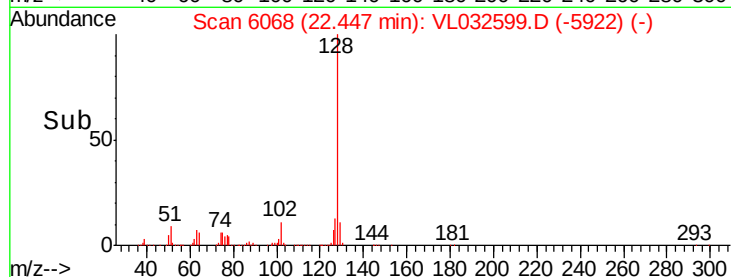
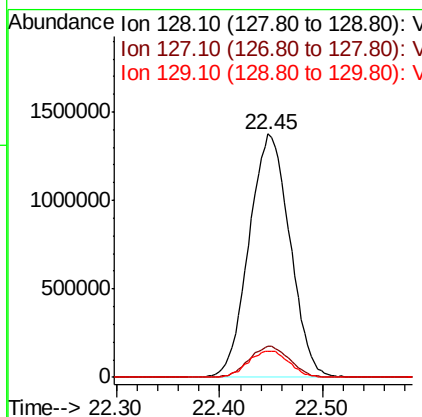
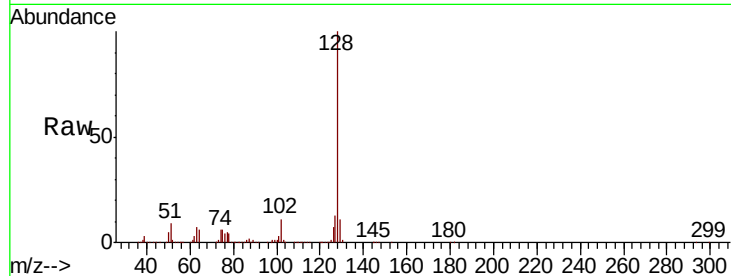
#79
Naphthalene
Concen: 11.405 ppbv
RT: 22.45 min Scan# 6068
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.5	12.7

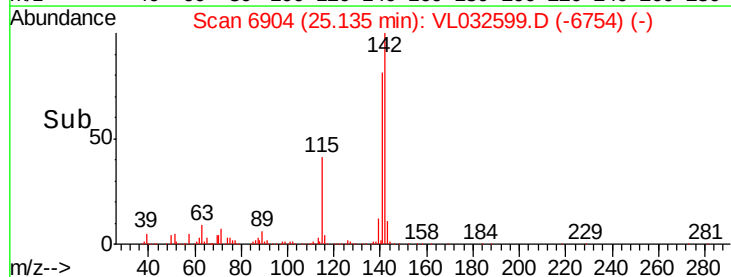
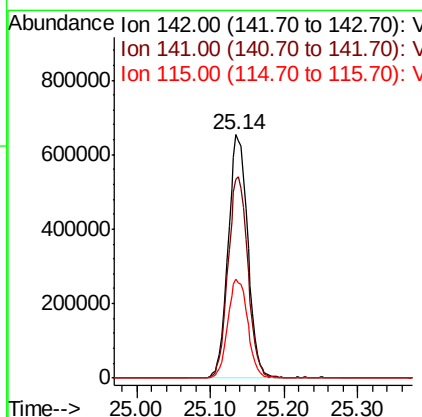
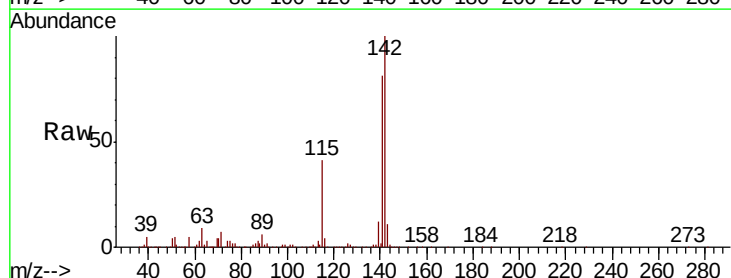
Manual Integrations
APPROVED

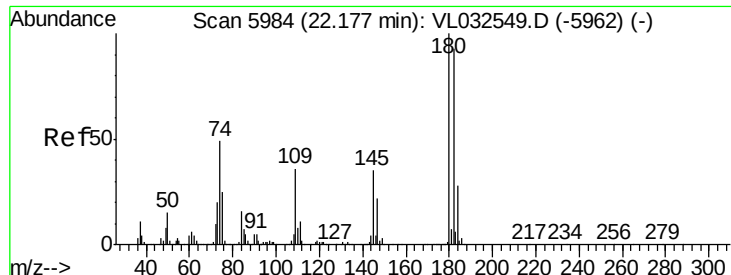
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#80
Naphthalene, 2-methyl-
Concen: 15.534 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.0	100.6
115	41.3	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 10.494 ppbv
 RT: 22.17 min Scan# 5982
 Delta R.T. -0.03 min
 Lab File: VL032599.D
 Acq: 11 Oct 2018 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.0	23.8	35.8

Manual Integrations
 APPROVED

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 10/12/2018 2:07:26 PM

