

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032346.D
 Acq On : 2 Aug 2018 11:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:05:12 PM

Quant Time: Aug 02 12:46:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1765403	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3820722	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4514479m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3598996	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.12	85	1251901	5.88	ppbv	99
3) Chlorodifluoromethane	3.05	51	1724621	9.77	ppbv	99
4) Chloromethane	3.21	50	1053526	9.86	ppbv	98
5) Vinyl Chloride	3.33	62	994768	10.24	ppbv	96
6) Bromomethane	3.56	94	551526	10.34	ppbv	95
7) Chloroethane	3.65	64	359545	10.41	ppbv	96
8) Dichlorotetrafluoroethane	3.26	85	1968527	9.15	ppbv	99
9) Propene	3.08	41	812581	10.24	ppbv	99
10) Heptane	8.32	43	2965972	10.65	ppbv	99
11) Trichlorofluoromethane	4.05	101	1992127	9.79	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1393647	10.04	ppbv	100
13) Ethanol	3.69	45	215309	9.44	ppbv	96
14) Bromoethene	3.84	108	623137	10.22	ppbv	99
15) Acetone	3.95	43	1594166	9.58	ppbv	100
16) 1,3-Butadiene	3.41	39	865725	10.04	ppbv	98
17) tert-Butyl alcohol	4.41	59	573660	10.85	ppbv	99
18) 1,1-Dichloroethene	4.41	96	647604	10.05	ppbv	98
19) Isopropyl Alcohol	4.07	45	1218839	10.98	ppbv	99
20) Methylene Chloride	4.46	84	592359	8.86	ppbv	95
21) Allyl Chloride	4.53	41	1206058	10.63	ppbv	100
22) trans-1,2-Dichloroethene	5.02	96	677586	10.91	ppbv	97
23) Vinyl Acetate	5.21	43	3229046	10.82	ppbv	99
24) 1,1-Dichloroethane	5.15	63	2106263	9.84	ppbv	99
25) Ethyl Acetate	5.83	43	3668897	9.83	ppbv	100
26) Hexane	5.84	57	1671996	9.90	ppbv	99
27) Carbon Disulfide	4.68	76	1768659	11.51	ppbv	100
28) Methyl tert-Butyl Ether	5.17	73	2553905	11.18	ppbv	99
29) Chloroform	5.91	83	2422679	9.86	ppbv	99
30) Cyclohexane	7.32	84	1426369	10.82	ppbv	100
31) cis-1,2-Dichloroethene	5.70	61	1663250	10.62	ppbv	99
32) 1,1,1-Trichloroethane	6.69	97	2382014	10.95	ppbv	99
34) 2-Butanone	5.39	43	2557122	10.34	ppbv	100
35) Carbon Tetrachloride	7.20	117	2395353	11.04	ppbv	99
36) Benzene	7.07	78	3519653	10.45	ppbv	99
37) 1,2-Dichloroethane	6.48	62	1854514	9.53	ppbv	99
38) Trichloroethene	8.03	130	1400382	10.76	ppbv	95
39) 1,2-Dichloropropane	7.81	63	1716742	10.13	ppbv	97
40) 1,4-Dioxane	8.03	88	531236	10.68	ppbv	98
41) Tetrahydrofuran	6.21	42	1519914	10.87	ppbv	99
42) Bromodichloromethane	7.99	83	3226213	10.24	ppbv	98
43) Methyl Methacrylate	8.21	69	1794656	11.10	ppbv	99

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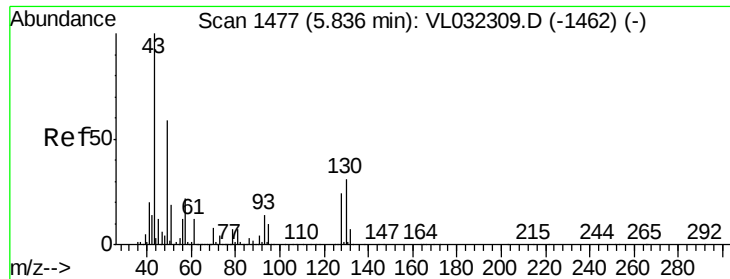
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	7367835	10.09	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2215070	11.82	ppbv	99
46) cis-1,3-Dichloropropene	8.91	75	2608721	11.37	ppbv	97
47) 1,1,2-Trichloroethane	9.69	97	1626249	9.87	ppbv	98
48) Dibromochloromethane	10.53	129	2542540	10.47	ppbv	99
49) Bromoform	13.28	173	2059505	10.30	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	4557290	10.44	ppbv	100
51) 2-Hexanone	10.35	43	3726158	11.21	ppbv	99
52) Tetrachloroethene	11.45	164	1213674	10.69	ppbv	97
53) Toluene	10.02	91	4582883	11.38	ppbv	100
54) 1,2-Dibromoethane	10.84	107	2435931	10.41	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.36	131	1805084	9.70	ppbv #	55
57) Chlorobenzene	12.38	112	3305655	9.42	ppbv	98
58) Ethyl Benzene	12.94	91	6116893	10.81	ppbv	99
59) m/p-Xylene	13.23	91	9721310m	20.17	ppbv	
60) o-Xylene	13.93	91	4819250	10.20	ppbv	98
61) Styrene	13.76	104	3877773	11.15	ppbv	99
62) Isopropylbenzene	14.91	105	6740538	10.04	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3557115	9.25	ppbv	100
64) n-propylbenzene	15.80	120	1750327	10.02	ppbv	95
65) tert-Butylbenzene	16.99	119	5597410	9.87	ppbv	100
66) Benzyl Chloride	17.24	91	3805691	11.26	ppbv	100
67) sec-Butylbenzene	17.54	105	8337861	9.82	ppbv	100
69) p-Isopropyltoluene	17.89	119	6659110	10.12	ppbv	100
70) n-Butylbenzene	18.79	91	7388945	9.73	ppbv	99
71) 2-Chlorotoluene	15.70	91	5428506	10.31	ppbv	100
72) 4-Ethyltoluene	16.08	105	5645802	10.66	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5370386	10.30	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5324939	9.69	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2948452	9.27	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2998688	9.82	ppbv	100
77) 1,2-Dichlorobenzene	18.07	146	2890643	9.25	ppbv	100
78) Hexachloro-1,3-Butadiene	23.62	225	1744082	15.86	ppbv	99
79) Naphthalene	22.51	128	5036852	10.56	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2384455	12.64	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2435259	10.22	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1765403

Ion Ratio Lower Upper

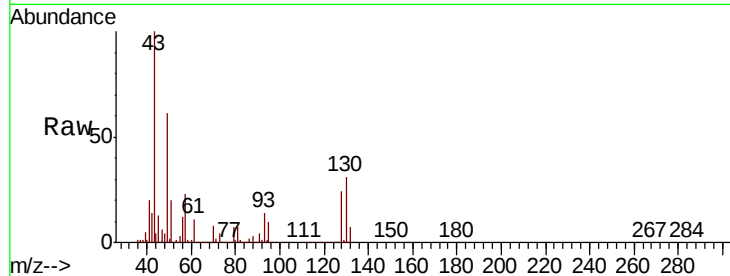
49 100

128 40.4 20.2 60.6

130 51.3 25.8 77.3

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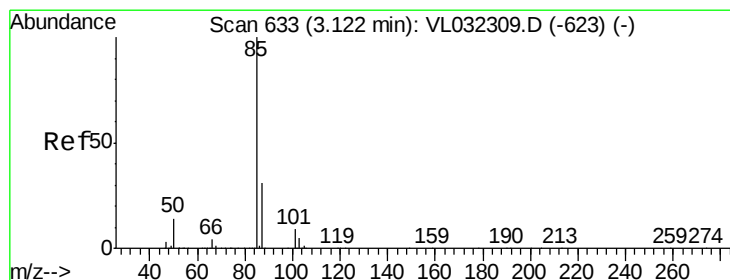
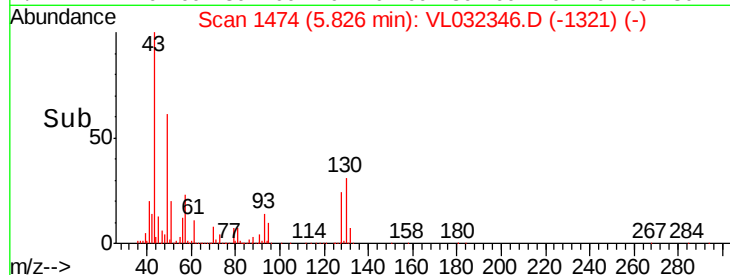
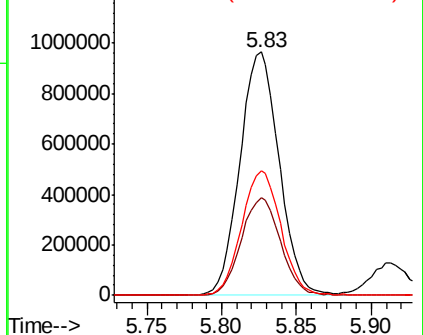
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.88 ppbv

RT: 3.12 min Scan# 631

Delta R.T. -0.01 min

Lab File: VL032346.D

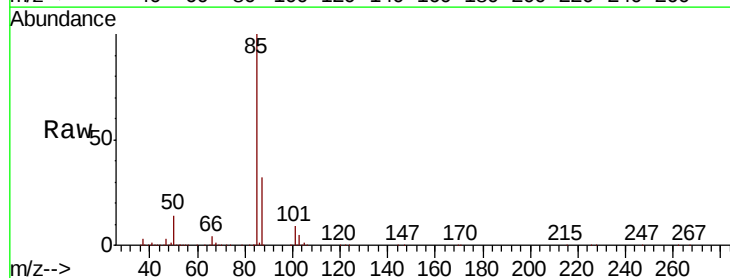
Acq: 2 Aug 2018 11:53

Tgt Ion: 85 Resp: 1251901

Ion Ratio Lower Upper

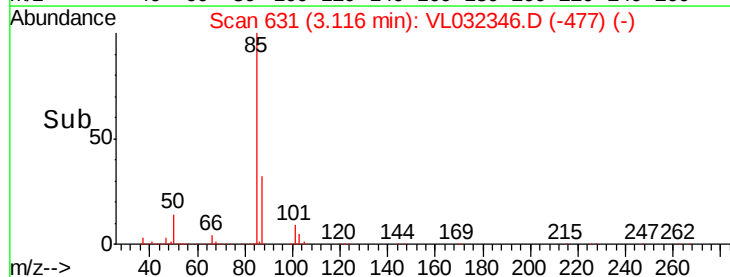
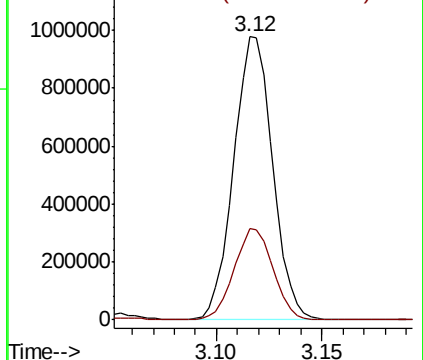
85 100

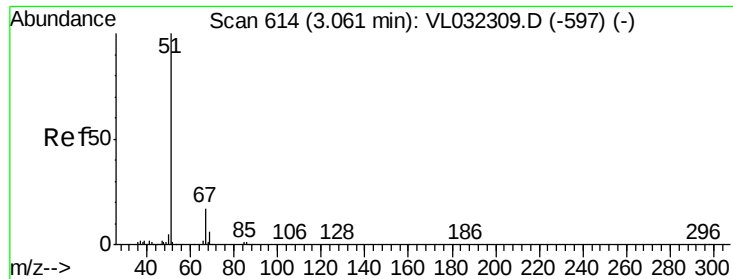
87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.77 ppbv

RT: 3.05 min Scan# 612

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1724621

Ion Ratio Lower Upper

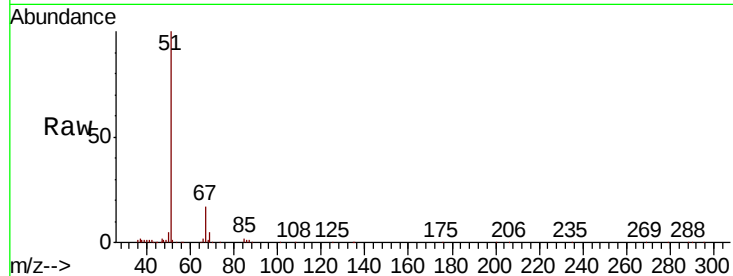
51 100

67 17.2 13.5 20.3

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

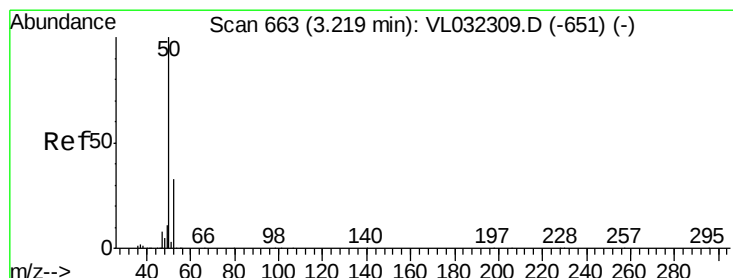
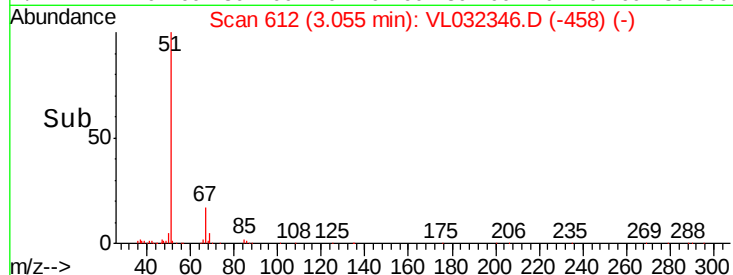
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.86 ppbv

RT: 3.21 min Scan# 661

Delta R.T. -0.01 min

Lab File: VL032346.D

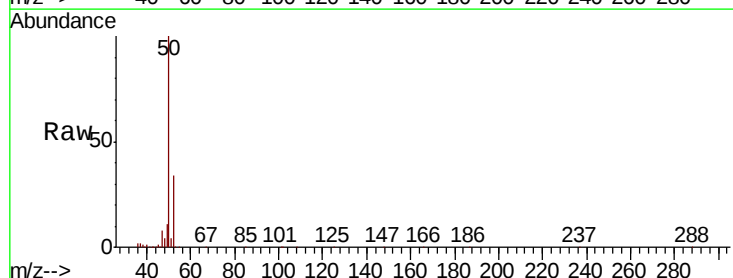
Acq: 2 Aug 2018 11:53

Tgt Ion: 50 Resp: 1053526

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

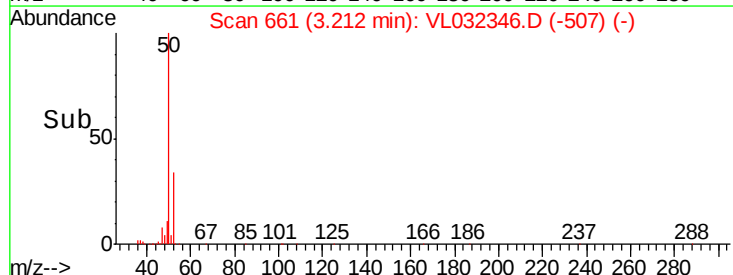
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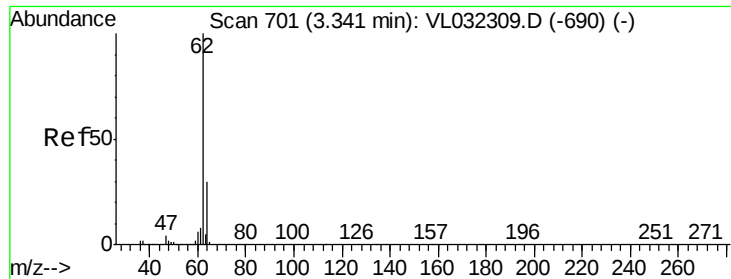
400000

200000

0

Time-->





#5

Vinyl Chloride

Concen: 10.24 ppbv

RT: 3.33 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 994768

Ion Ratio Lower Upper

62 100

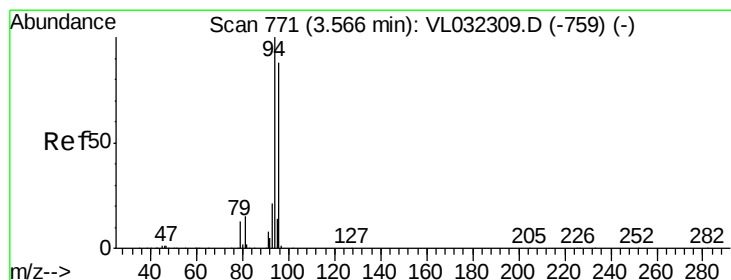
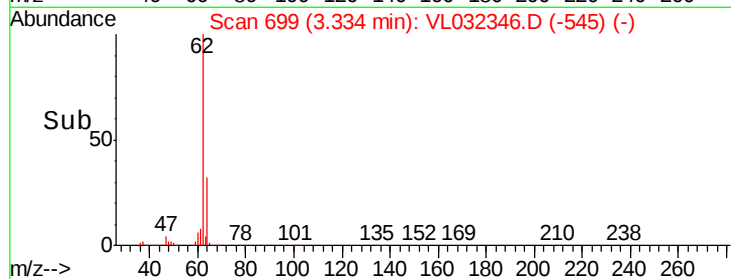
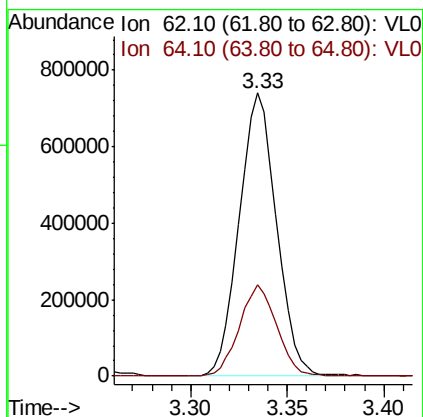
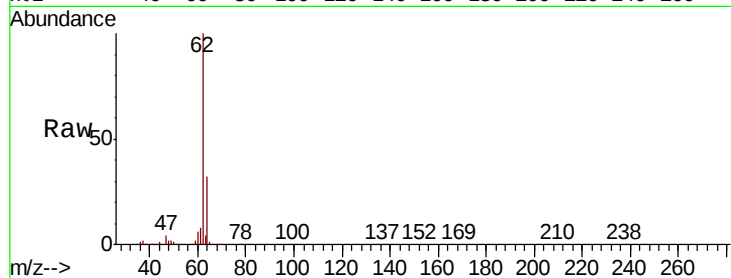
64 32.1 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 10.34 ppbv

RT: 3.56 min Scan# 769

Delta R.T. -0.01 min

Lab File: VL032346.D

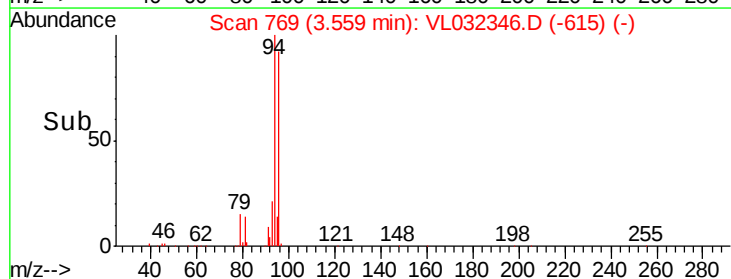
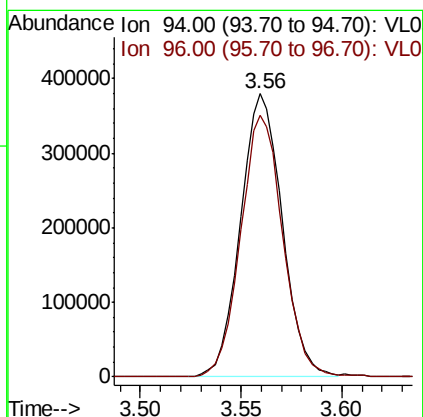
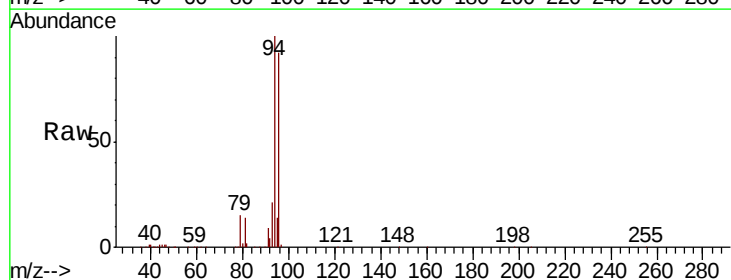
Acq: 2 Aug 2018 11:53

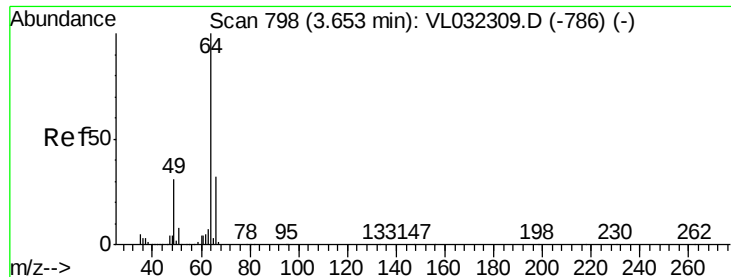
Tgt Ion: 94 Resp: 551526

Ion Ratio Lower Upper

94 100

96 92.3 70.2 105.4





#7

Chloroethane

Concen: 10.41 ppbv

RT: 3.65 min Scan# 796

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 359545

Ion Ratio Lower Upper

64 100

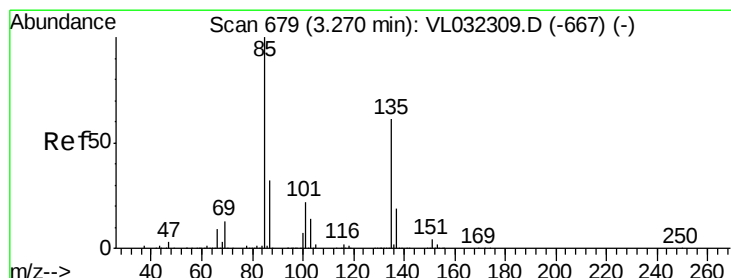
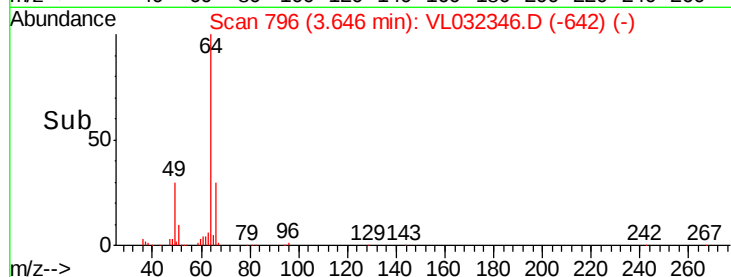
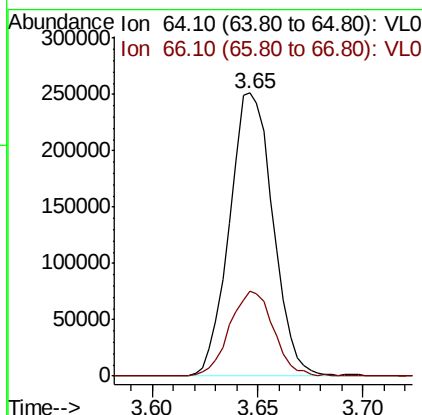
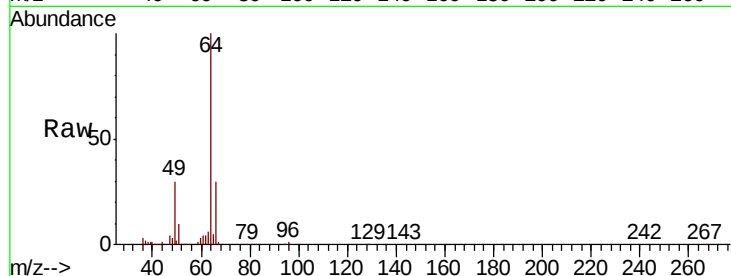
66 30.1 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.15 ppbv

RT: 3.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: VL032346.D

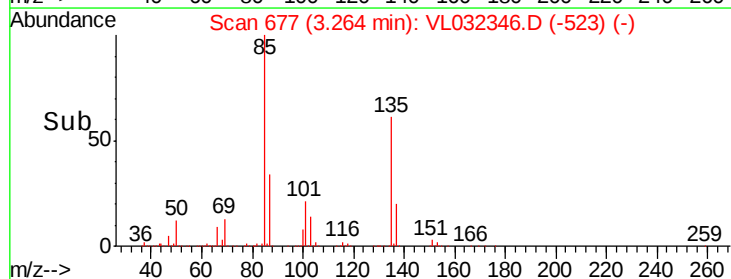
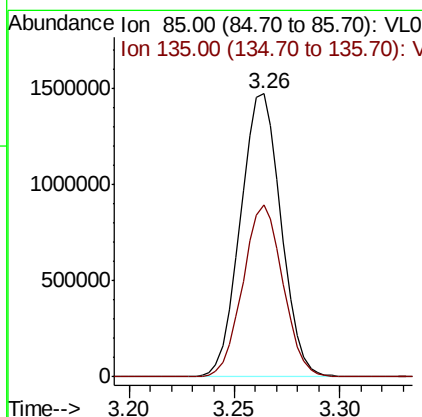
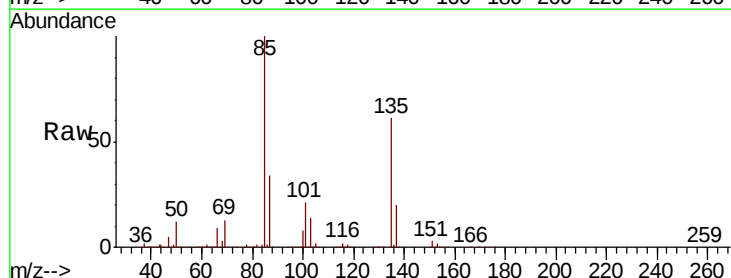
Acq: 2 Aug 2018 11:53

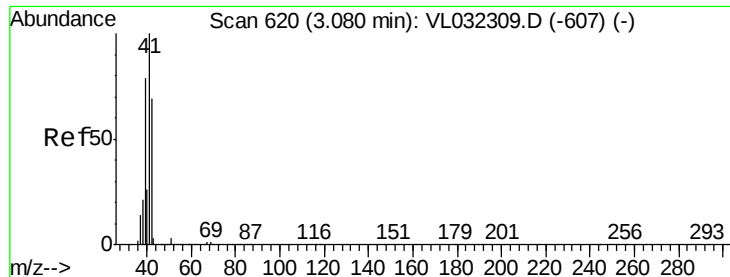
Tgt Ion: 85 Resp: 1968527

Ion Ratio Lower Upper

85 100

135 60.2 48.7 73.1





#9

Propene

Concen: 10.24 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 812581

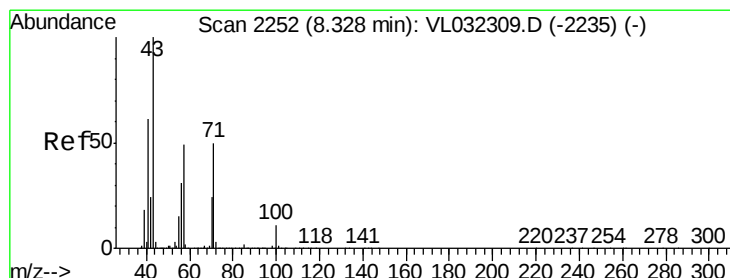
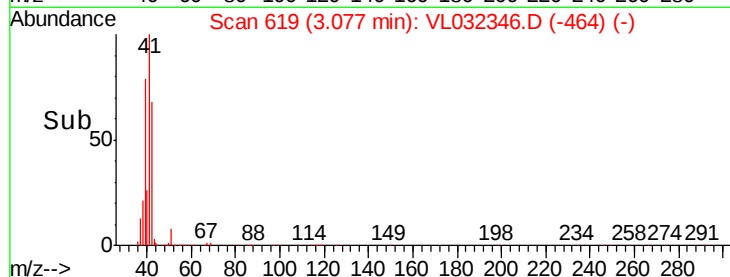
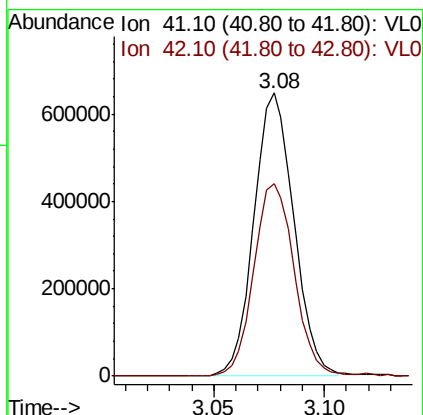
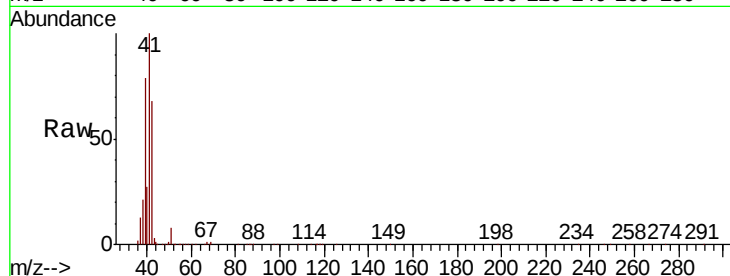
Ion Ratio Lower Upper

41 100

42 69.8 56.8 85.2

Manual Integrations
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#10

Heptane

Concen: 10.65 ppbv

RT: 8.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VL032346.D

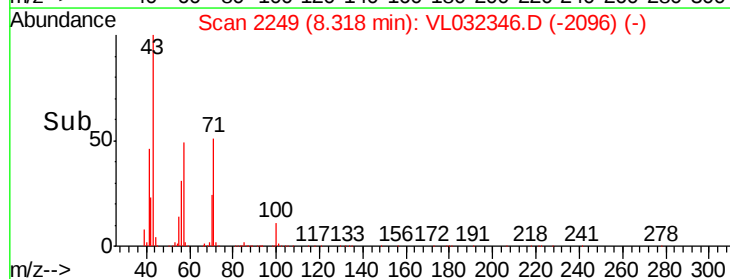
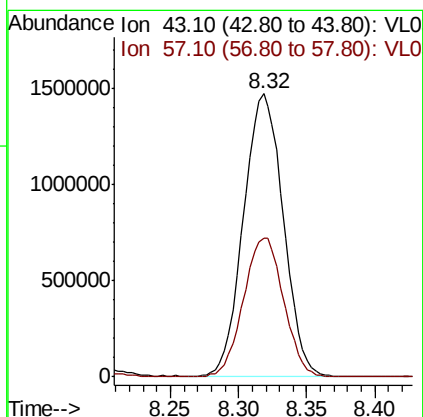
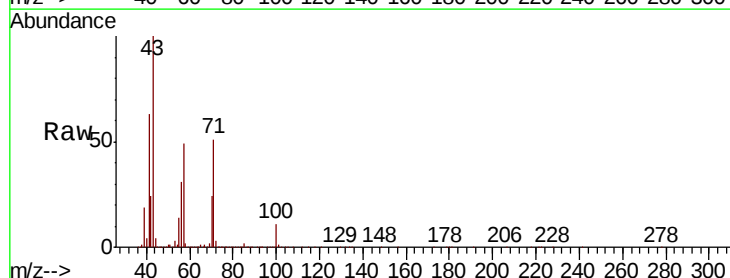
Acq: 2 Aug 2018 11:53

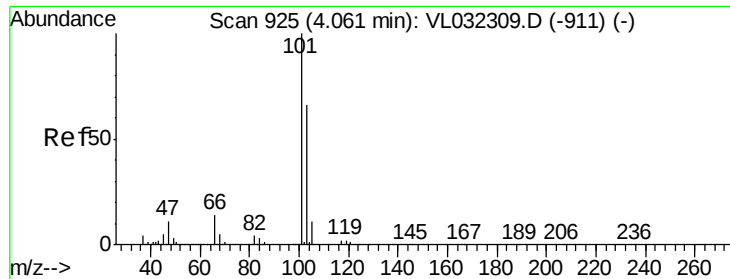
Tgt Ion: 43 Resp: 2965972

Ion Ratio Lower Upper

43 100

57 49.6 39.0 58.4





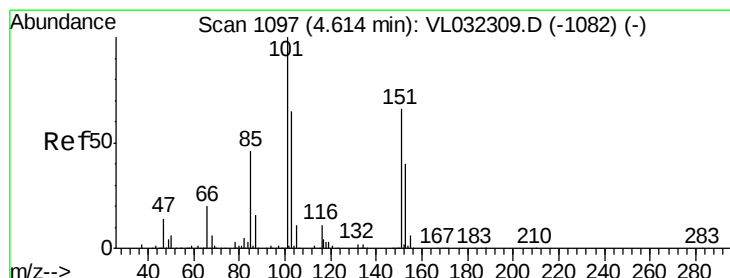
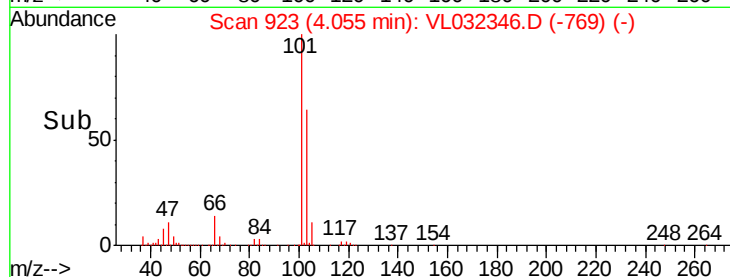
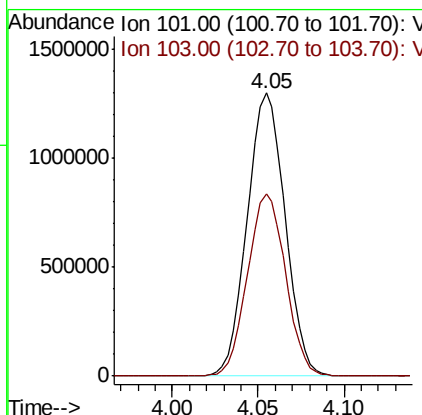
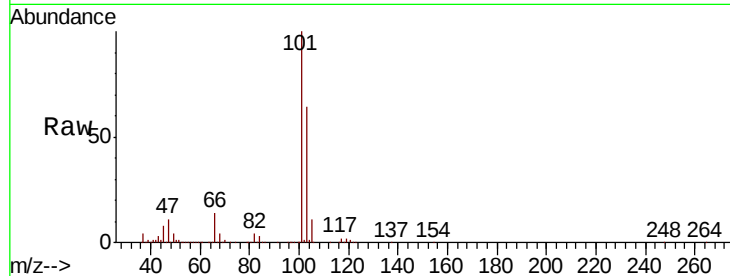
#11
 Trichlorofluoromethane
 Concen: 9.79 ppbv
 RT: 4.05 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1992127
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.6 78.8

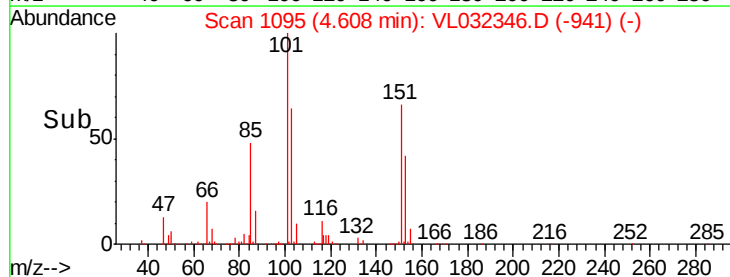
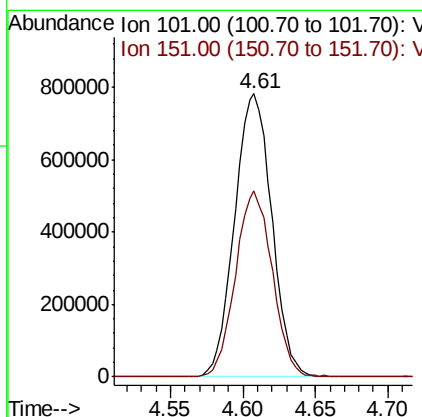
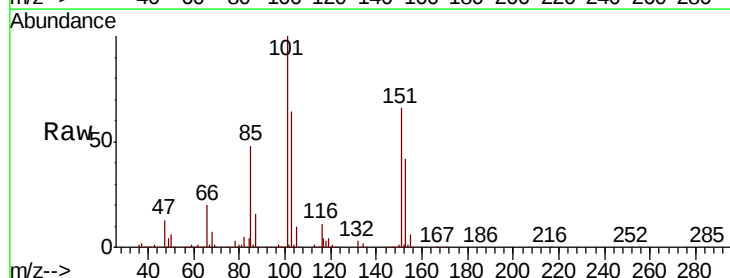
Manual Integrations
 APPROVED

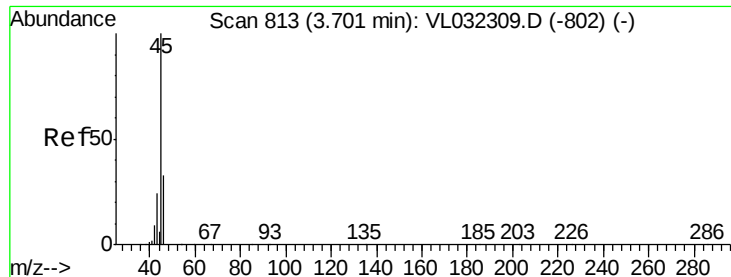
MMDadoda
 8/2/2018 2:05:12 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.04 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion:101 Resp: 1393647
 Ion Ratio Lower Upper
 101 100
 151 65.2 52.4 78.6





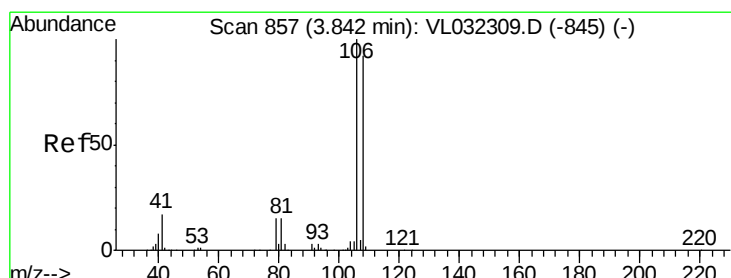
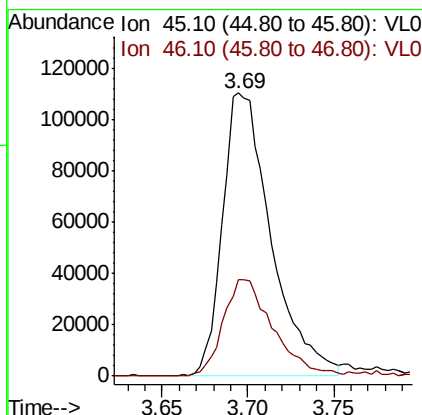
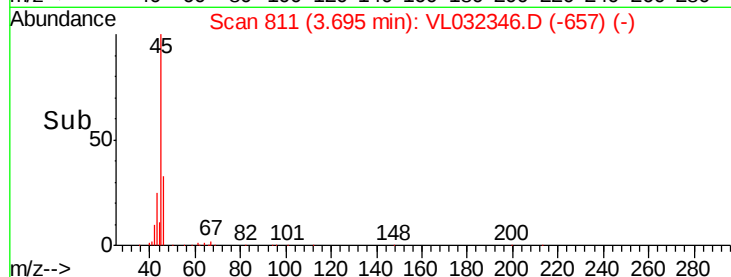
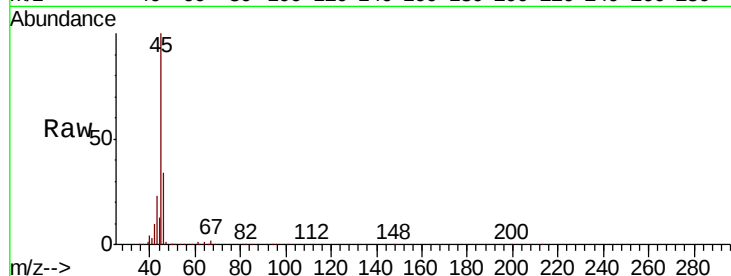
#13
Ethanol
Concen: 9.44 ppbv
RT: 3.69 min Scan# 811
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	215309
Ion Ratio	100	Lower	Upper
46	35.4	15.2	60.6

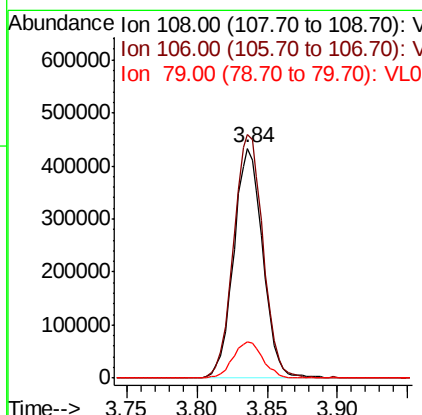
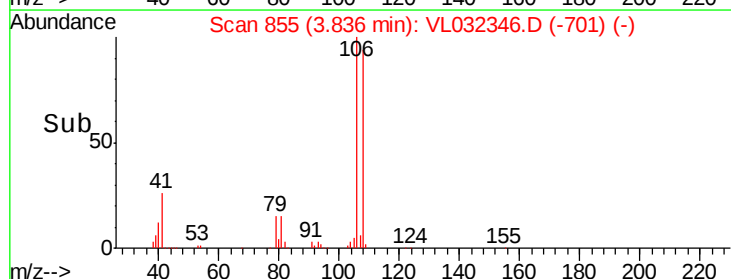
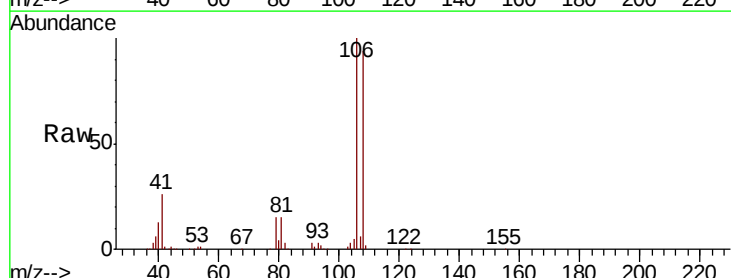
Manual Integrations
APPROVED

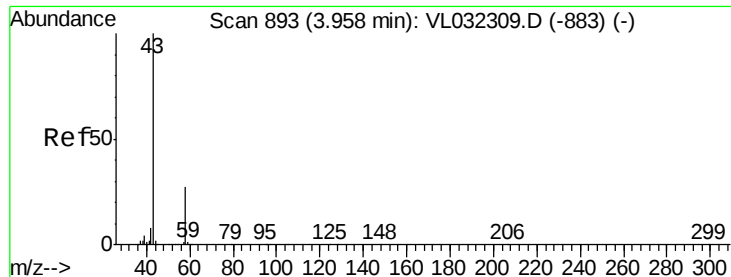
MMDadoda
8/2/2018 2:05:12 PM



#14
Bromoethene
Concen: 10.22 ppbv
RT: 3.84 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion	108	Resp	623137
Ion Ratio	100	Lower	Upper
106	108.0	86.0	129.0
79	16.7	12.8	19.2





#15

Acetone

Concen: 9.58 ppbv

RT: 3.95 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1594166

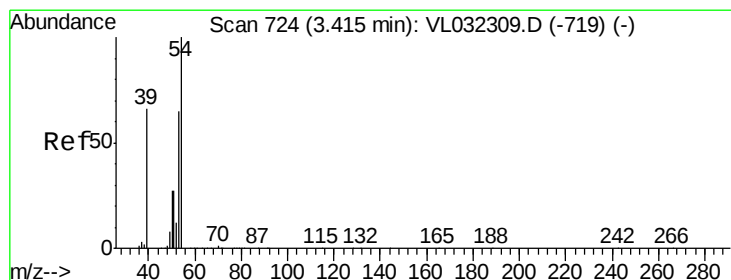
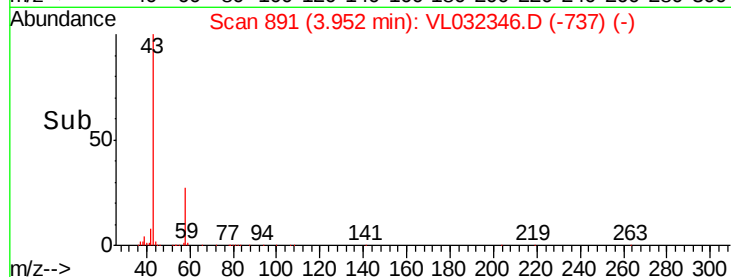
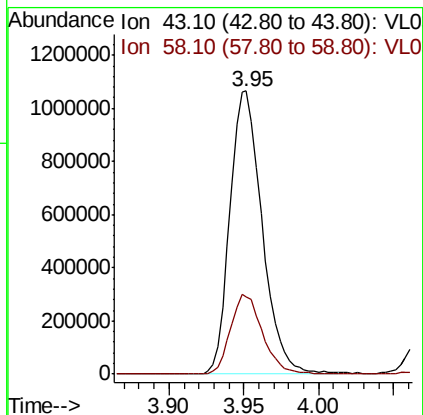
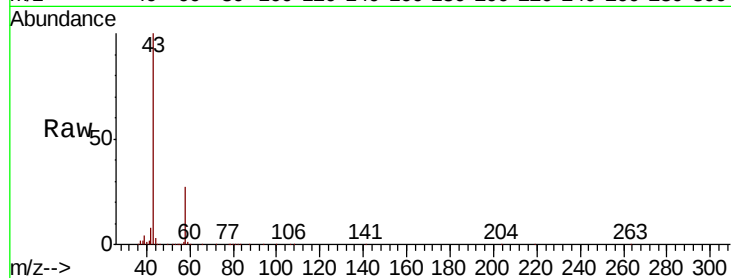
Ion Ratio Lower Upper

43 100

58 28.2 22.5 33.7

Manual Integrations
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#16

1,3-Butadiene

Concen: 10.04 ppbv

RT: 3.41 min Scan# 722

Delta R.T. -0.01 min

Lab File: VL032346.D

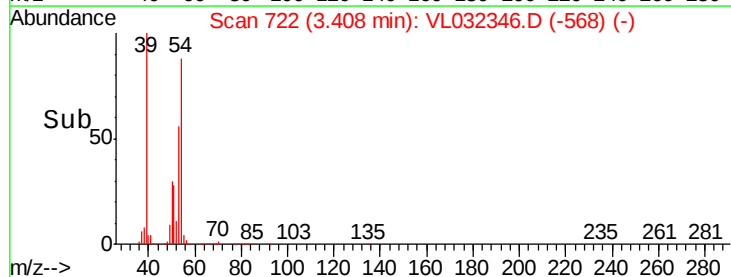
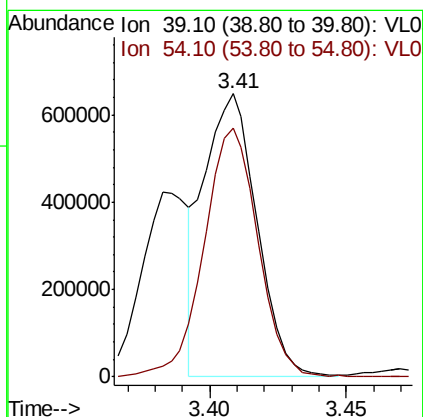
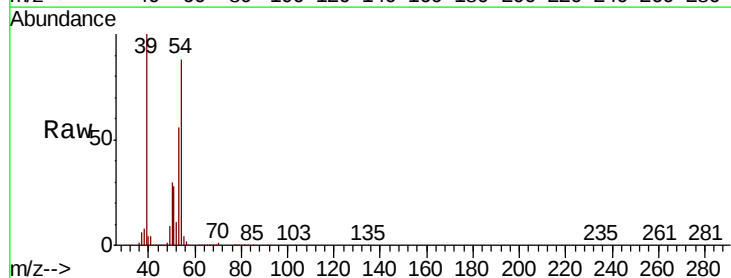
Acq: 2 Aug 2018 11:53

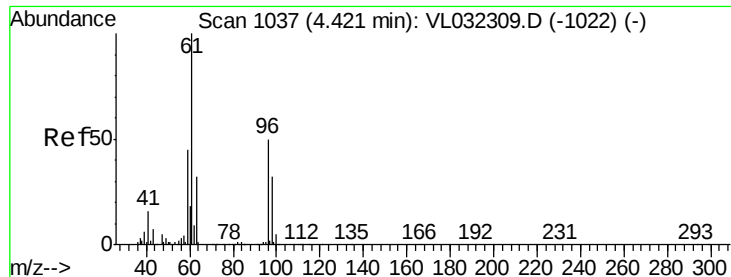
Tgt Ion: 39 Resp: 865725

Ion Ratio Lower Upper

39 100

54 90.7 74.3 111.5





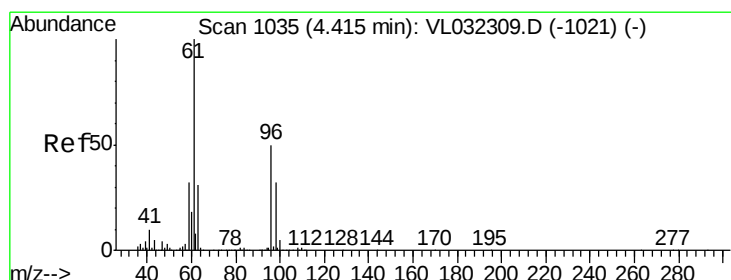
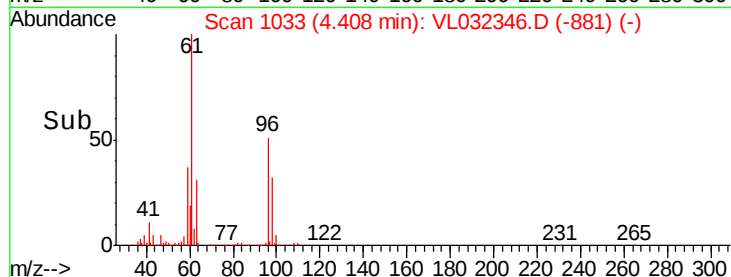
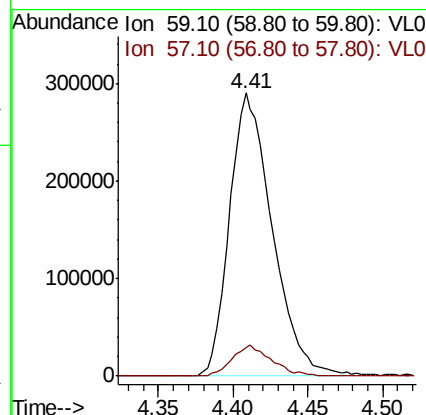
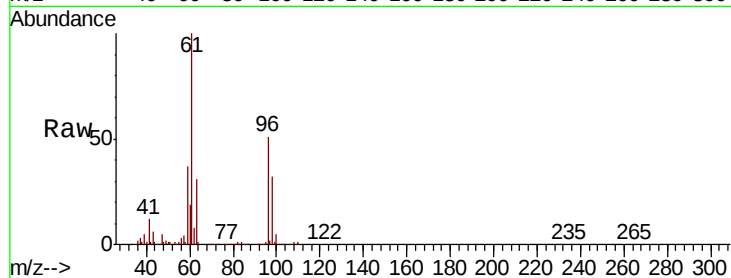
#17
 tert-Butyl alcohol
 Concen: 10.85 ppbv
 RT: 4.41 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 573660
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

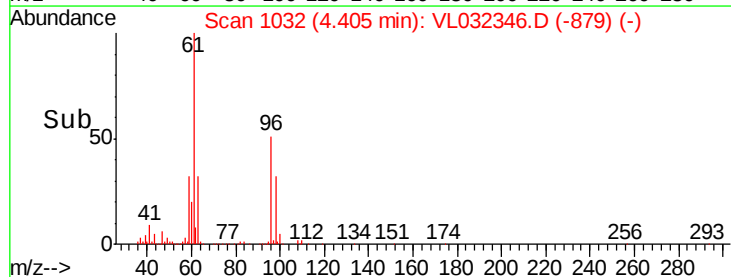
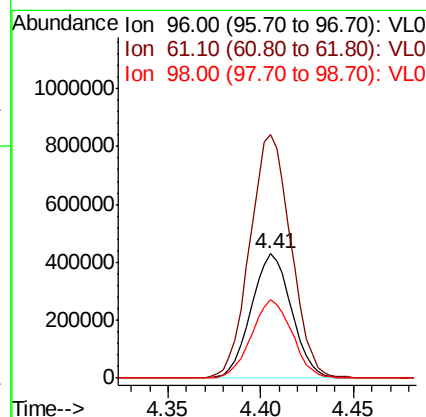
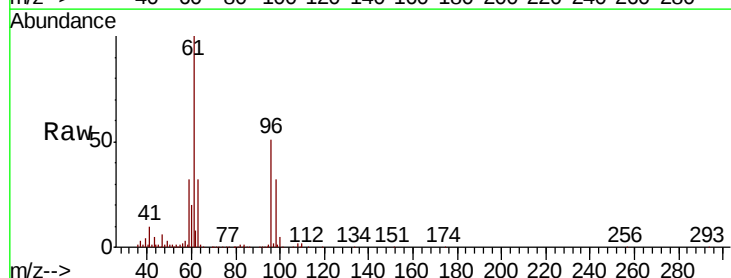
Manual Integrations
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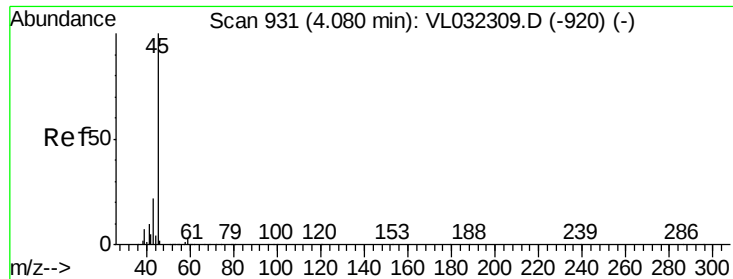
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.05 ppbv
 RT: 4.41 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion: 96 Resp: 647604
 Ion Ratio Lower Upper
 96 100
 61 195.7 159.0 238.4
 98 63.1 51.1 76.7





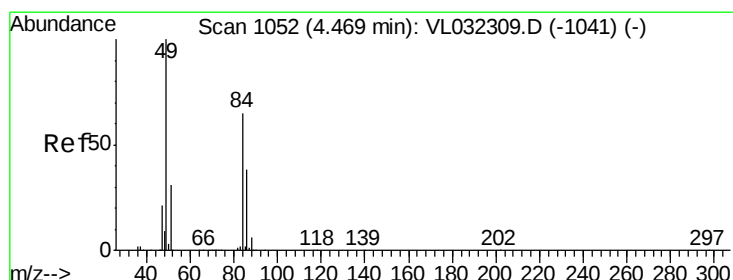
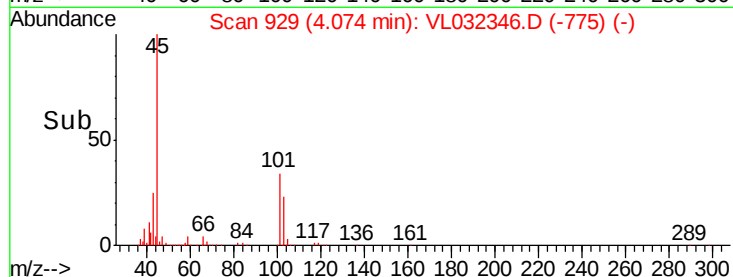
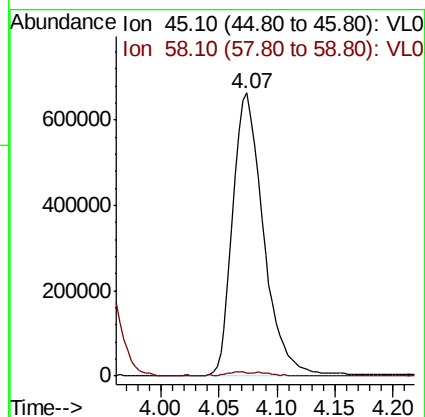
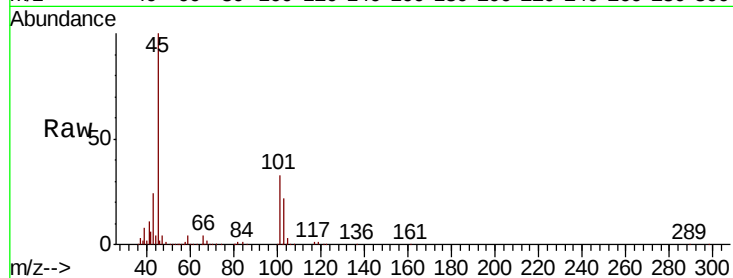
#19
Isopropyl Alcohol
Concen: 10.98 ppbv
RT: 4.07 min Scan# 929
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 1218839
Ion Ratio Lower Upper
45 100
58 2.2 1.5 2.3

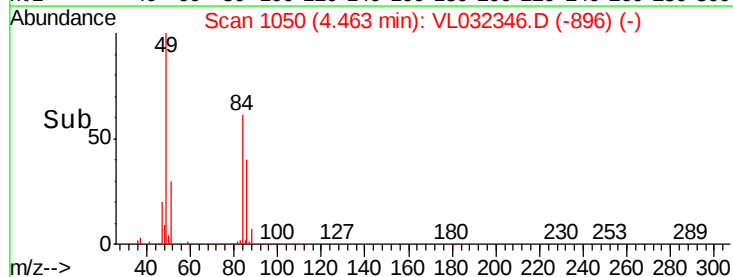
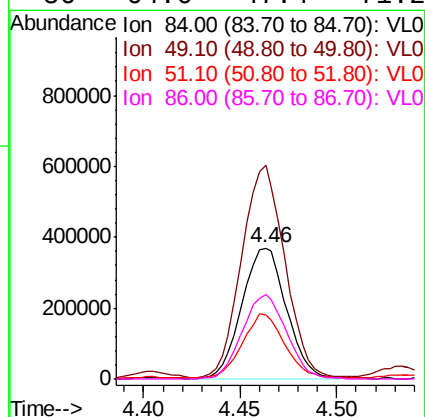
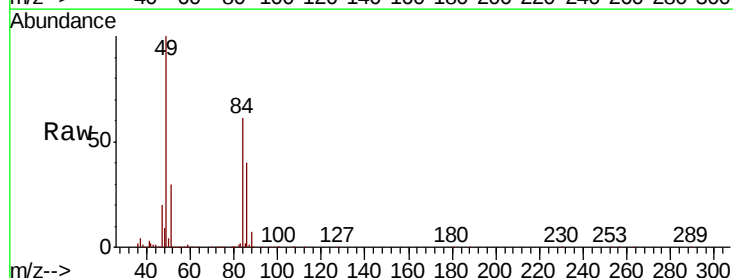
Manual Integrations
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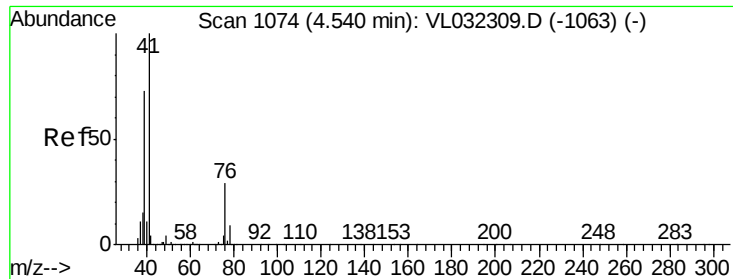
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#20
Methylene Chloride
Concen: 8.86 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion: 84 Resp: 592359
Ion Ratio Lower Upper
84 100
49 162.0 123.4 185.0
51 48.4 38.2 57.2
86 64.6 47.4 71.2





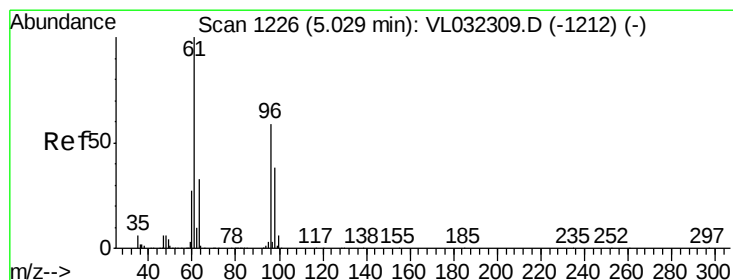
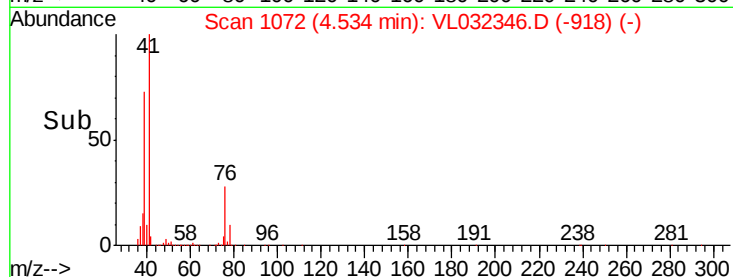
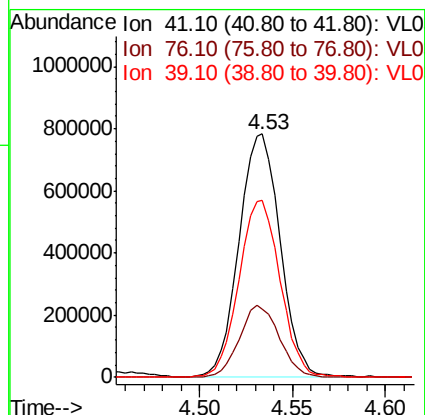
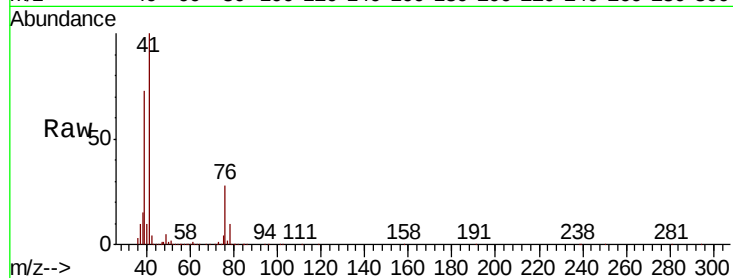
#21
Allvl Chloride
Concen: 10.63 ppbv
RT: 4.53 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.1	34.7
39	73.1	58.2	87.2

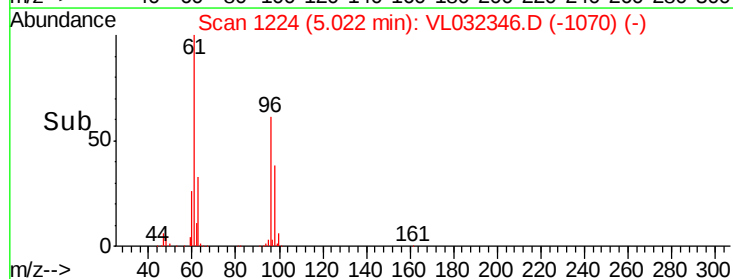
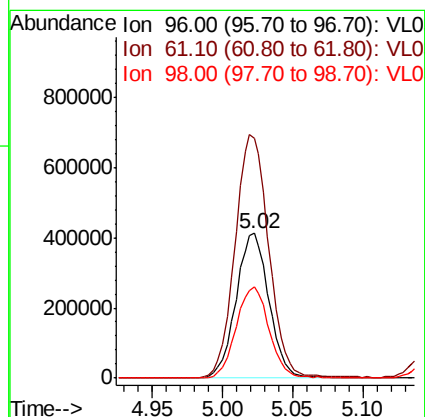
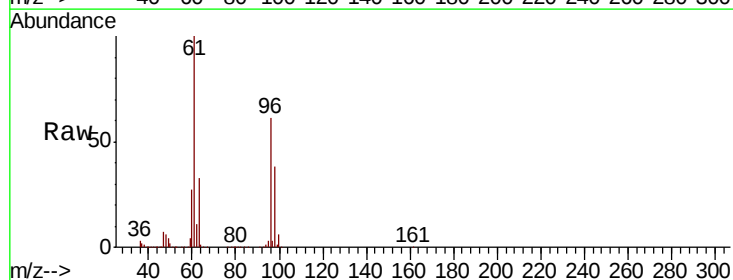
Manual Integrations
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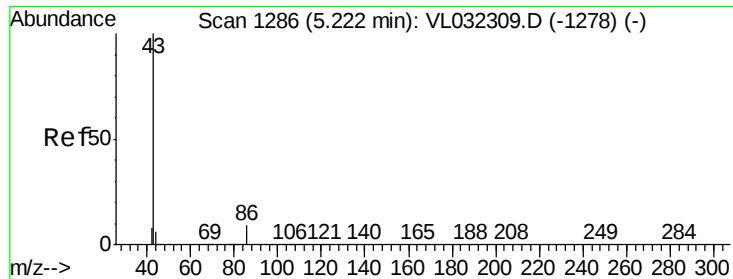
MMDadoda
8/2/2018 2:05:12 PM



#22
trans-1,2-Dichloroethene
Concen: 10.91 ppbv
RT: 5.02 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	136.5	204.7
98	62.8	51.3	76.9





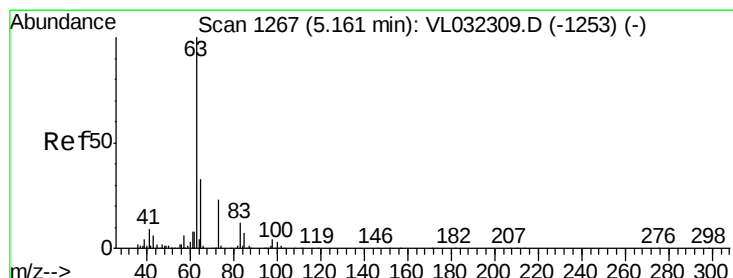
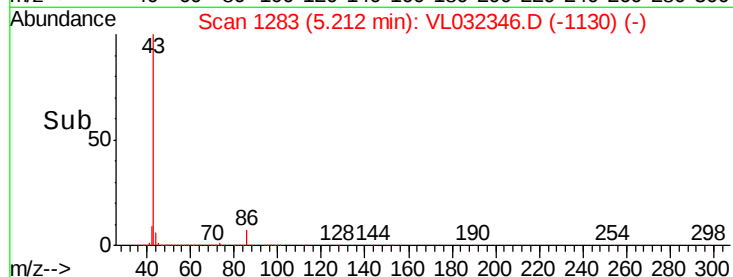
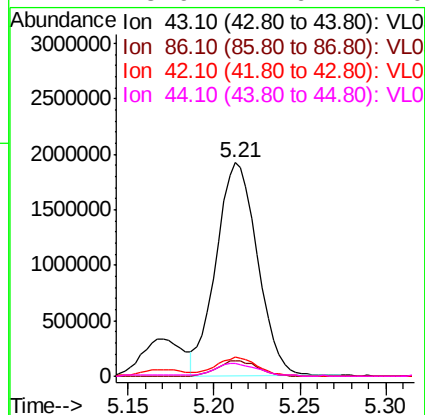
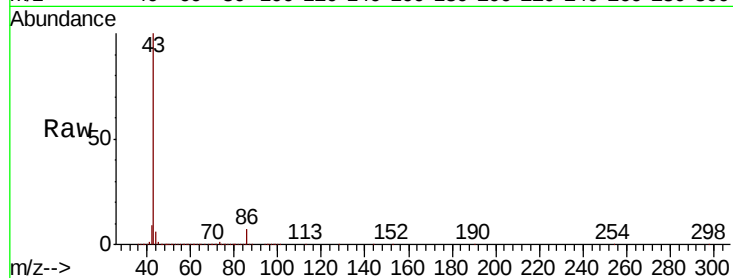
#23
 Vinyl Acetate
 Concen: 10.82 ppbv
 RT: 5.21 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.5	6.3	9.5	
42	9.1	7.0	10.4	
44	5.9	4.6	7.0	

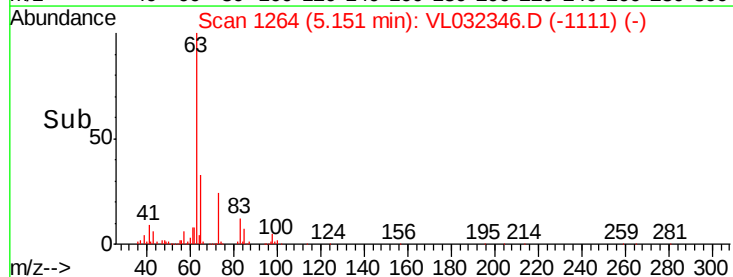
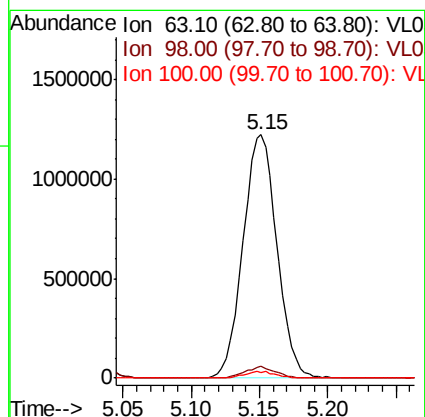
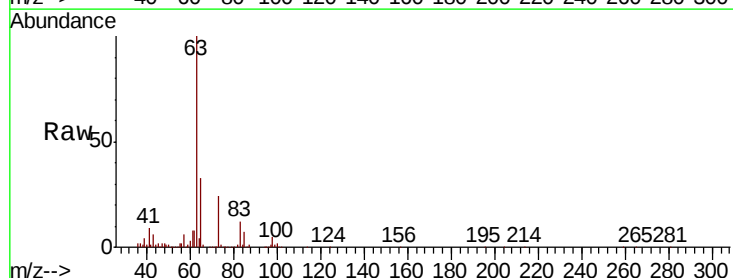
Manual Integrations
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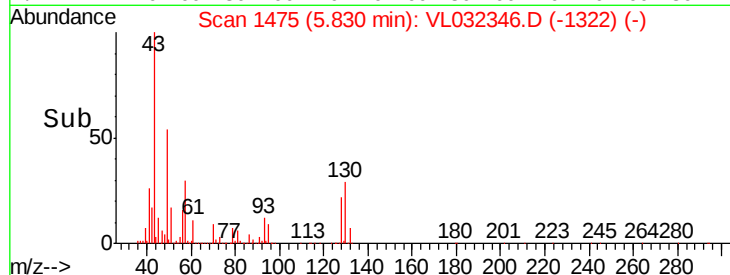
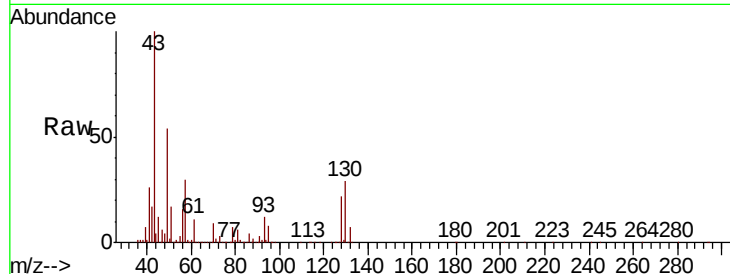
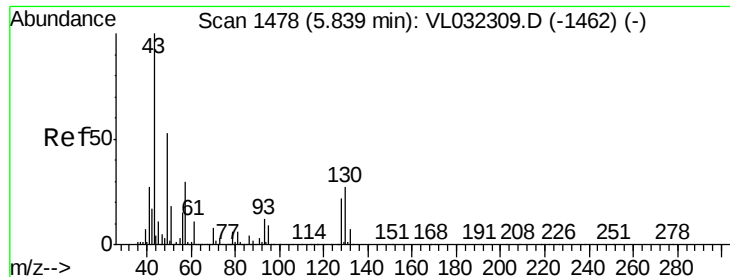
MMDadoda
 8/2/2018 2:05:12 PM



#24
 1,1-Dichloroethane
 Concen: 9.84 ppbv
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.8	2.1	6.5	
100	2.4	1.3	3.8	





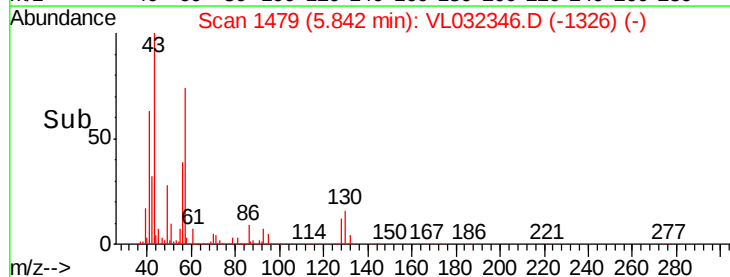
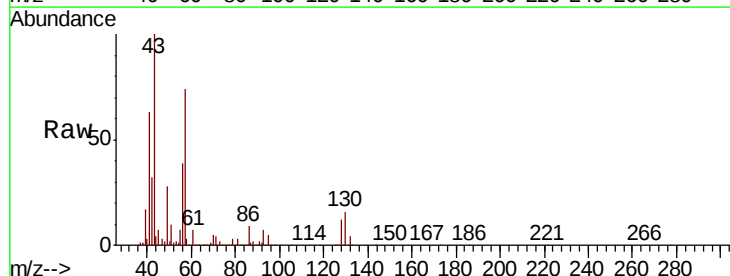
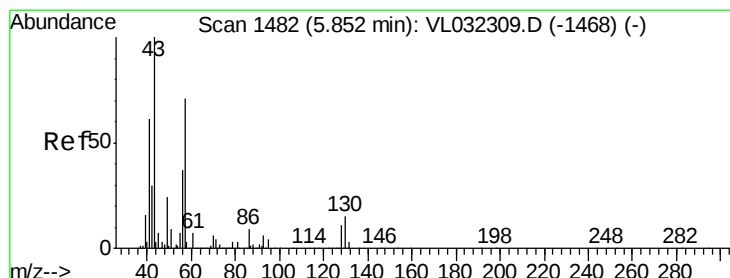
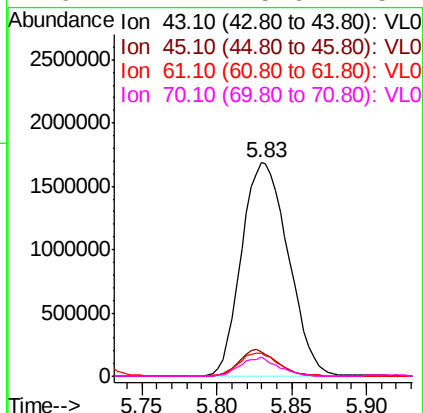
#25
Ethyl Acetate
Concen: 9.83 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tot Ion	Ion	Ratio	Lower	Upper
43	43.10	100		
45	45.10	10.1	8.1	12.1
61	61.10	9.5	7.4	11.0
70	70.10	7.2	5.6	8.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

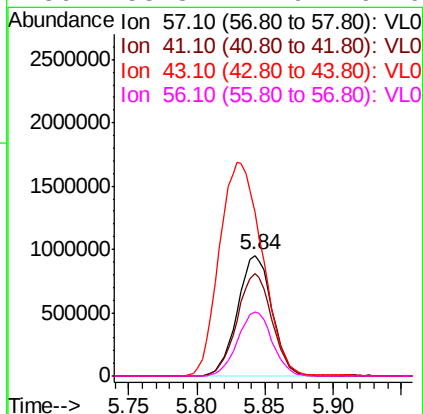
Manual Integrations
APPROVED

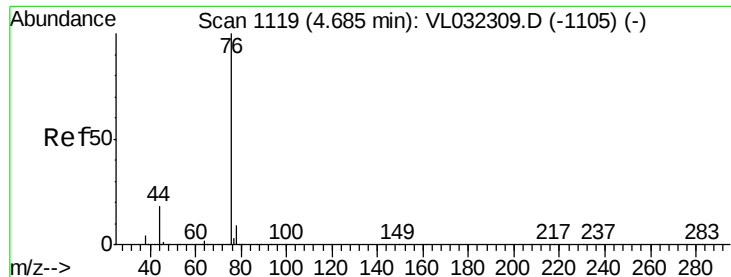
MMDadoda
8/2/2018 2:05:12 PM



#26
Hexane
Concen: 9.90 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
57	57.10	100		
41	41.10	85.6	68.1	102.1
43	43.10	221.0	177.4	266.2
56	56.10	53.3	41.9	62.9





#27

Carbon Disulfide

Concen: 11.51 ppbv

RT: 4.68 min Scan# 1116

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1768659

Ion Ratio Lower Upper

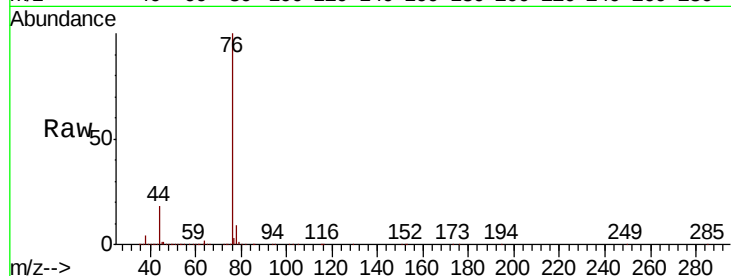
76 100

44 17.4 14.0 21.0

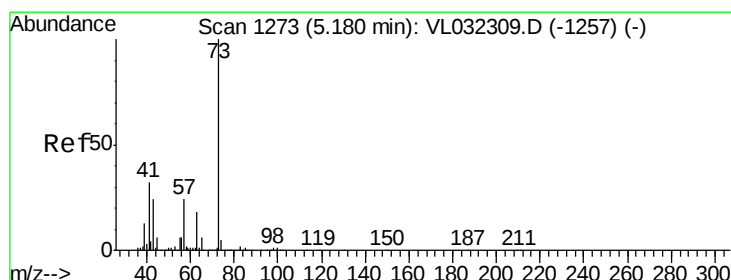
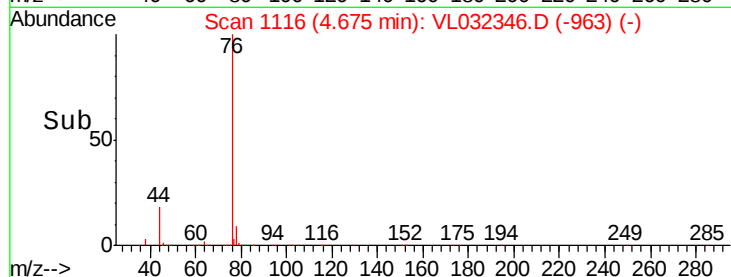
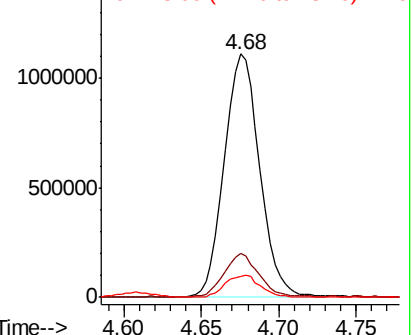
78 9.2 7.5 11.3

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.18 ppbv

RT: 5.17 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL032346.D

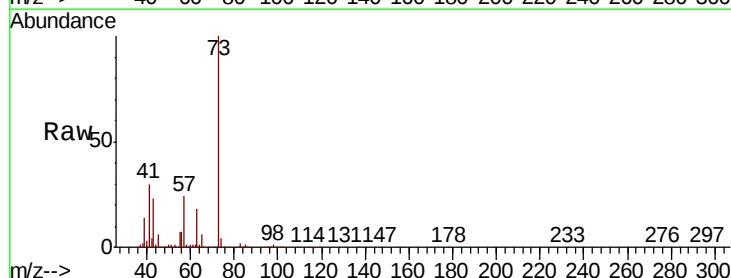
Acq: 2 Aug 2018 11:53

Tgt Ion: 73 Resp: 2553905

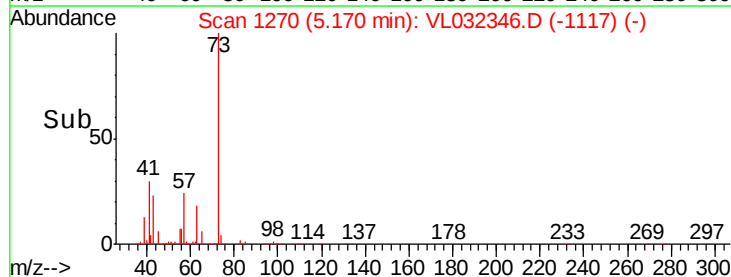
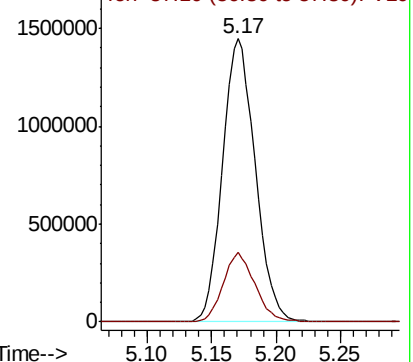
Ion Ratio Lower Upper

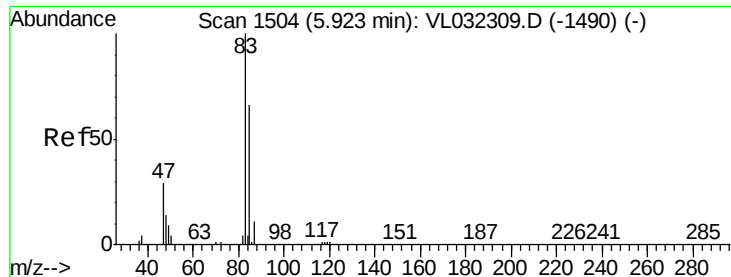
73 100

57 23.9 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





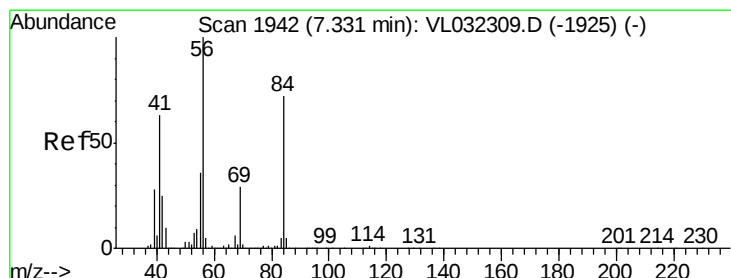
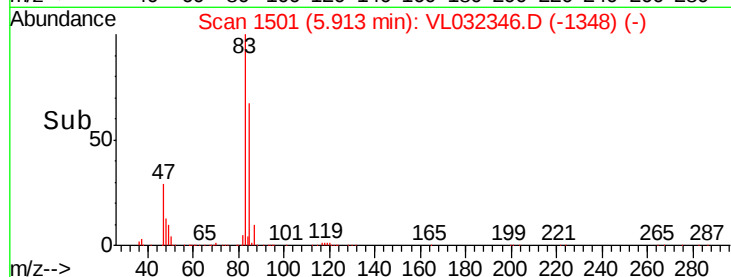
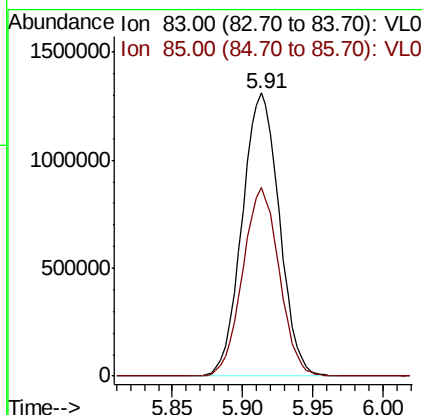
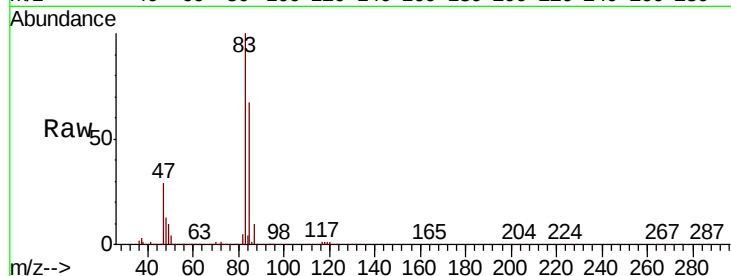
#29
Chloroform
Concen: 9.86 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2422679
Ion Ratio Lower Upper
83 100
85 66.5 52.9 79.3

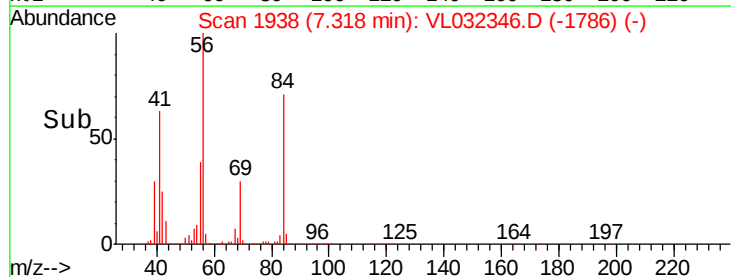
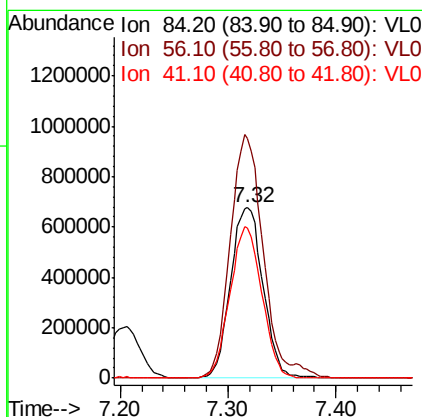
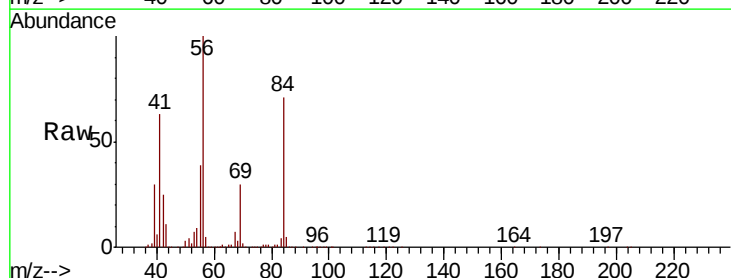
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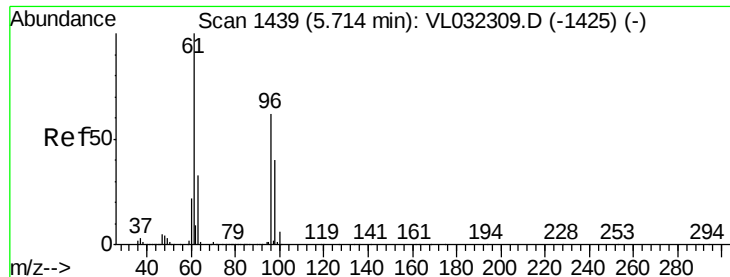
MMDadoda
8/2/2018 2:05:12 PM



#30
Cyclohexane
Concen: 10.82 ppbv
RT: 7.32 min Scan# 1938
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion: 84 Resp: 1426369
Ion Ratio Lower Upper
84 100
56 145.6 116.8 175.2
41 87.1 70.0 105.0





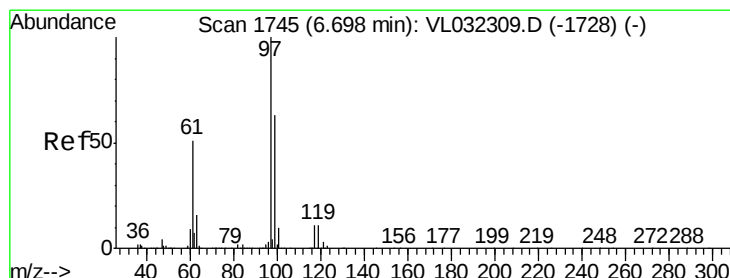
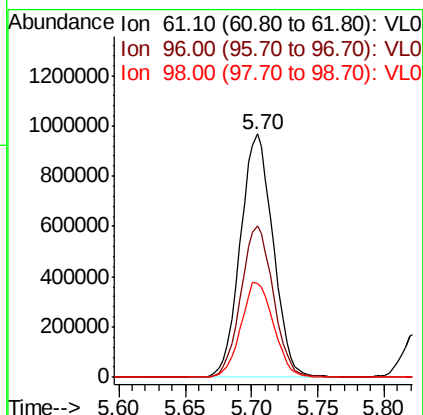
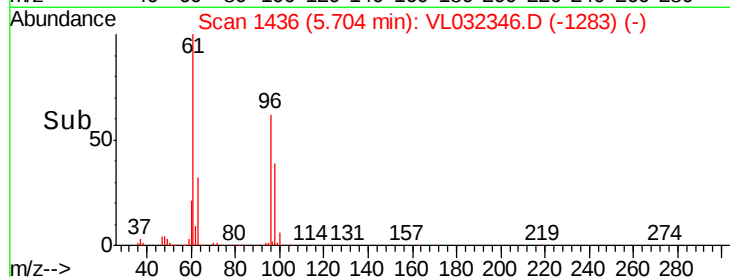
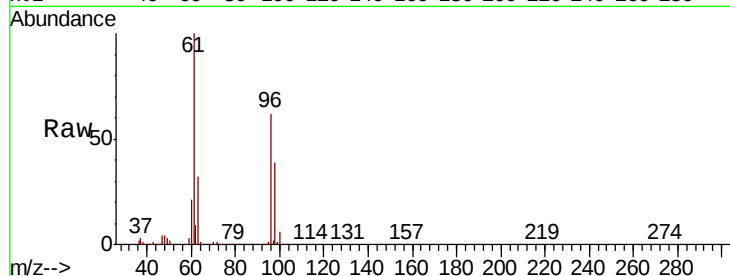
#31
 cis-1,2-Dichloroethene
 Concen: 10.62 ppbv
 RT: 5.70 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	61	Resp	1663250
Ion	Ratio	Lower	Upper
61	100		
96	62.1	49.8	74.6
98	38.8	31.8	47.6

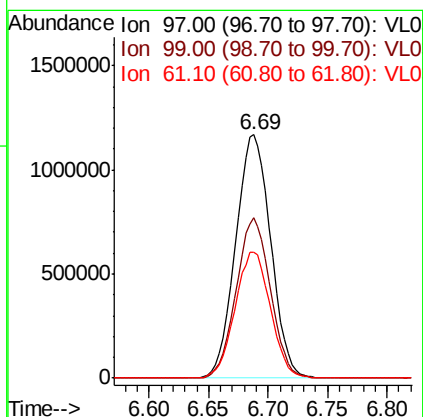
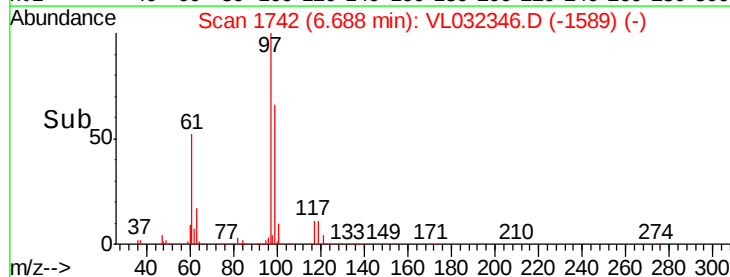
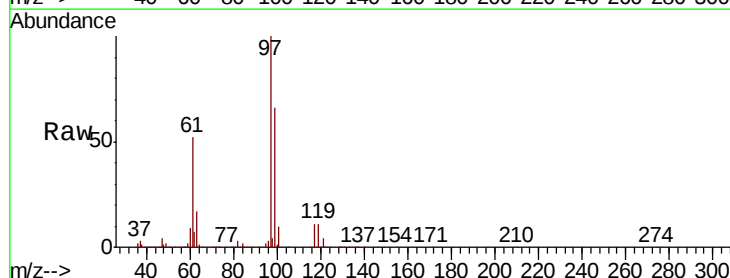
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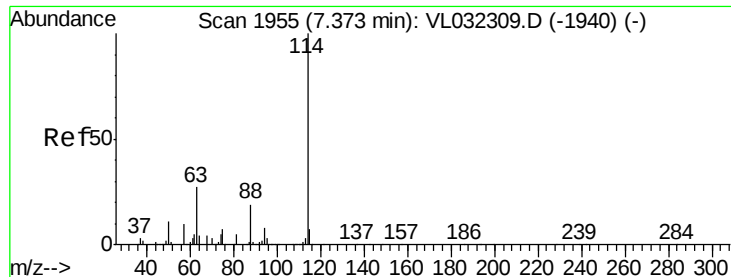
MMDadoda
 8/2/2018 2:05:12 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.95 ppbv
 RT: 6.69 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	97	Resp	2382014
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	52.4	41.8	62.6





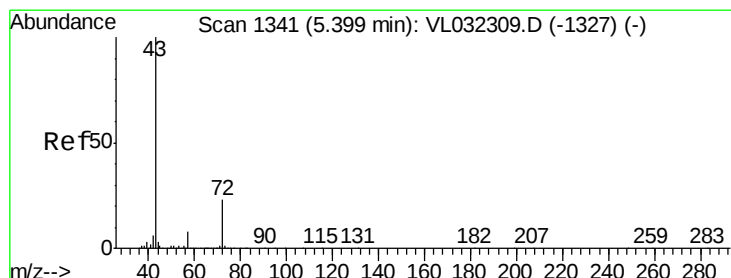
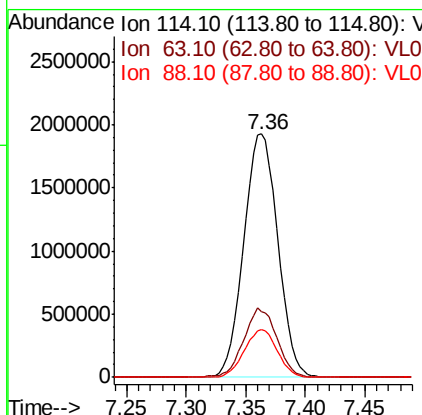
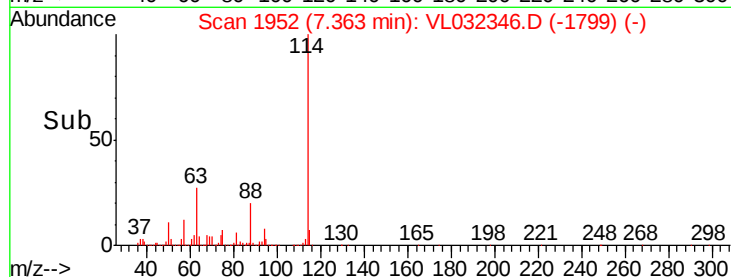
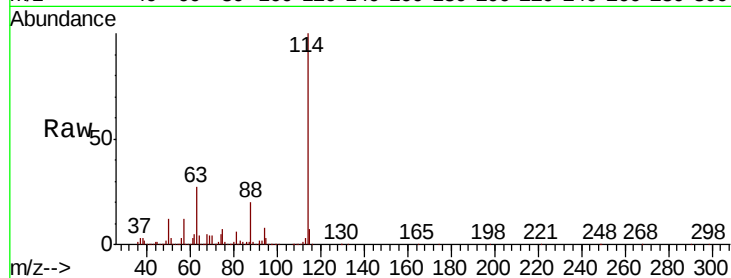
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.36 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	19.1	15.3	22.9

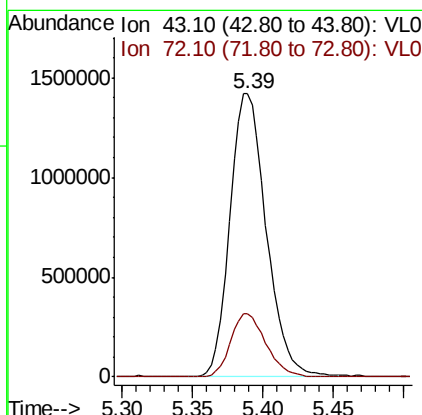
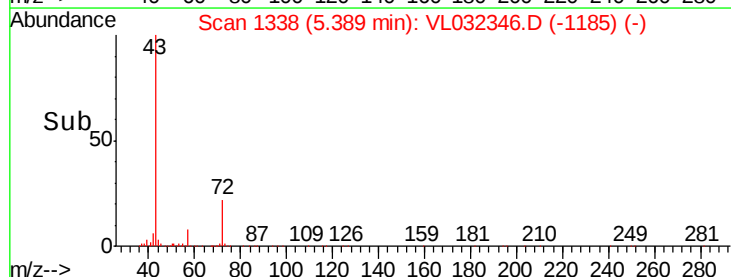
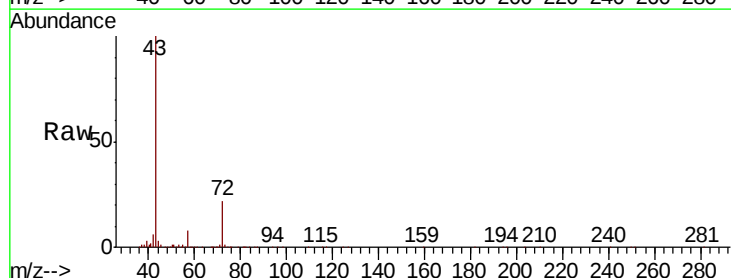
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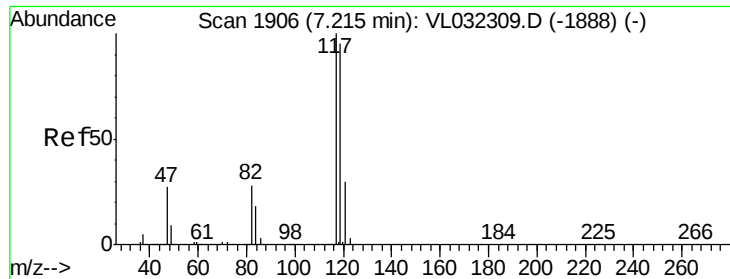
MMDadoda
 8/2/2018 2:05:12 PM



#34
 2-Butanone
 Concen: 10.34 ppbv
 RT: 5.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.2





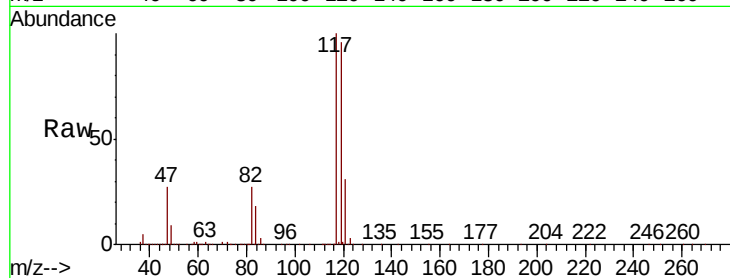
#35
Carbon Tetrachloride
Concen: 11.04 ppbv
RT: 7.20 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.1	114.1
121	31.0	24.4	36.6

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8/2/2018 2:05:12 PM

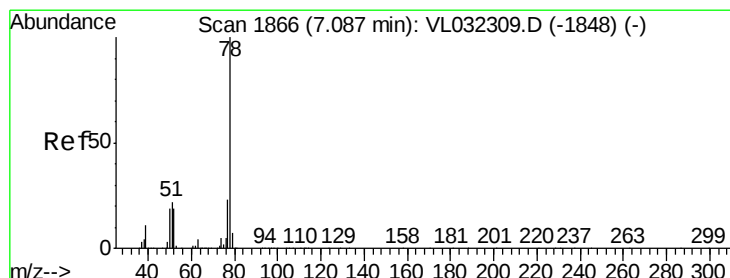
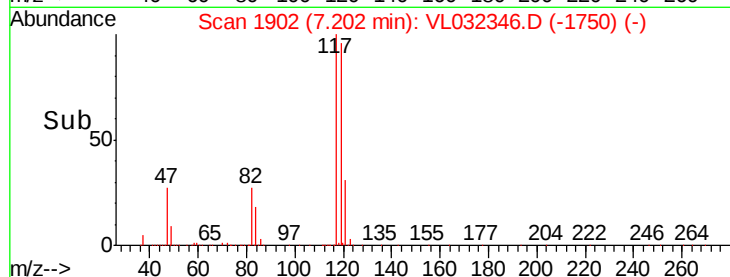
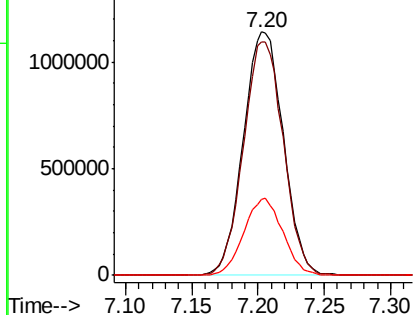


Abundance

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: 10.45 ppbv
RT: 7.07 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

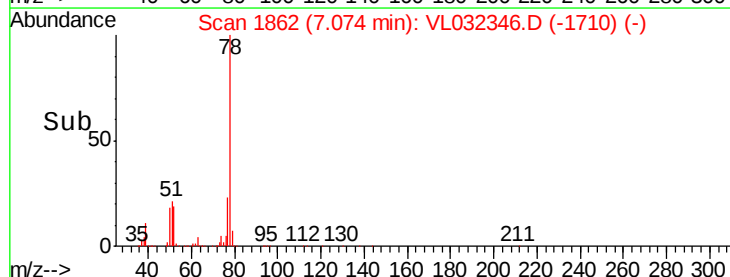
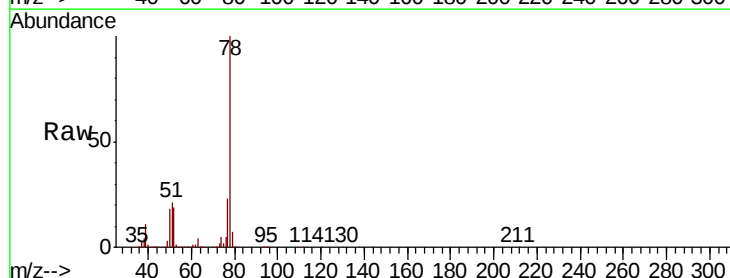
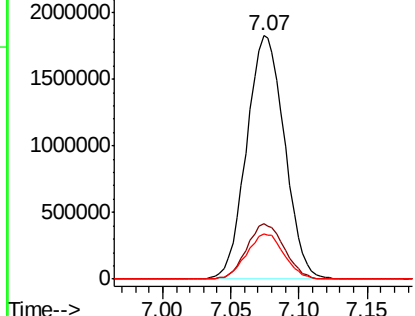
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
50	18.4	15.3	22.9

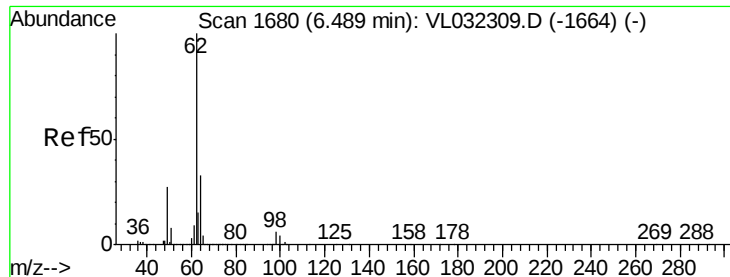
Abundance

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





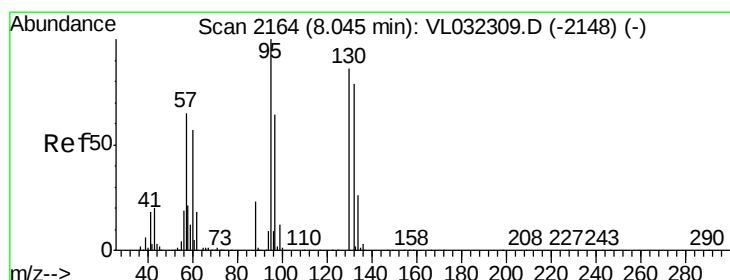
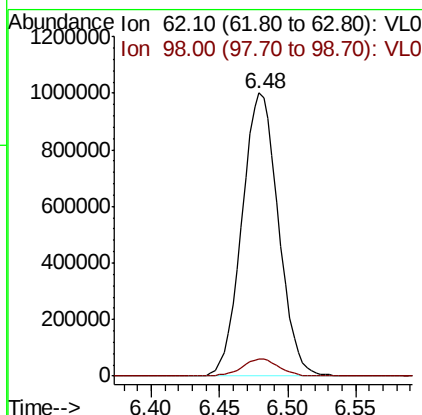
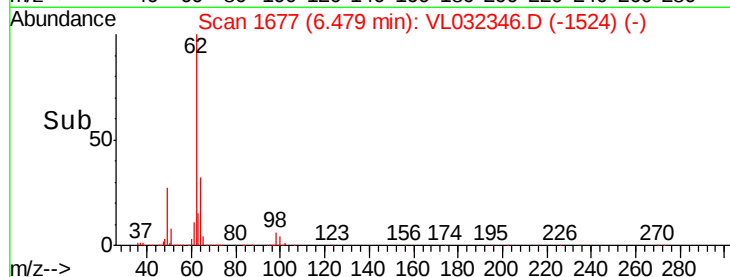
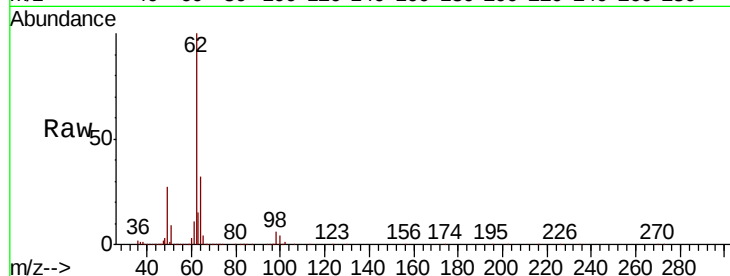
#37
 1,2-Dichloroethane
 Concen: 9.53 ppbv
 RT: 6.48 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1854514
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.1 7.7

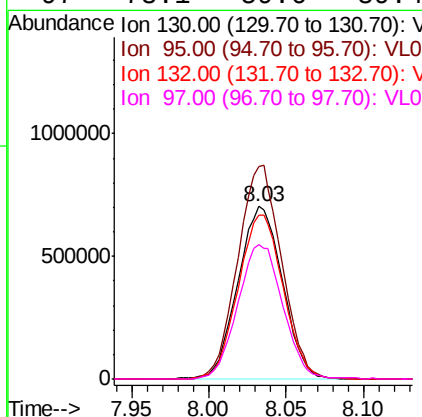
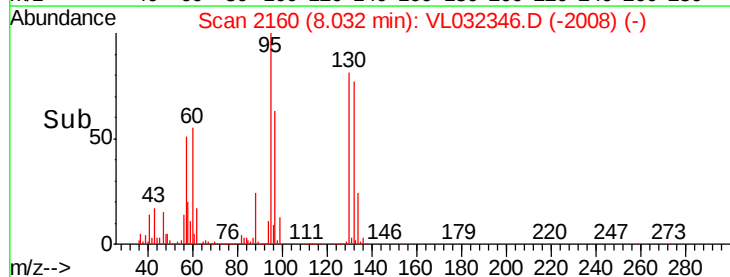
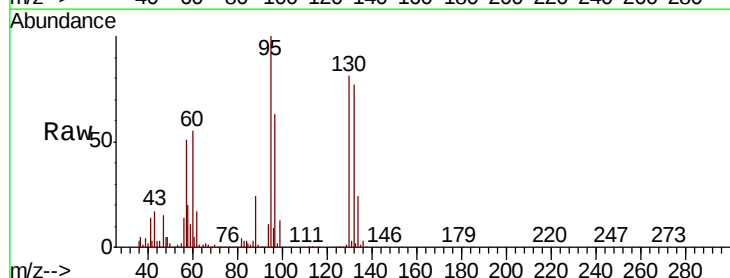
Manual Integrations
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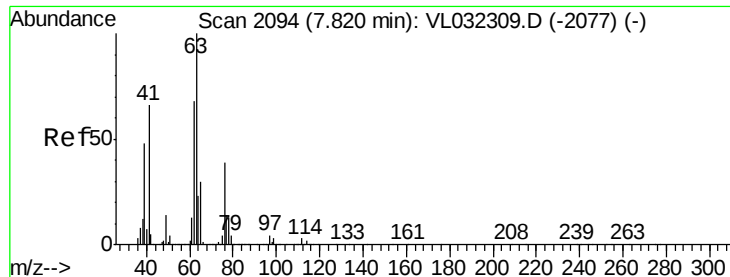
MMDadoda
 8/2/2018 2:05:12 PM



#38
 Trichloroethene
 Concen: 10.76 ppbv
 RT: 8.03 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion: 130 Resp: 1400382
 Ion Ratio Lower Upper
 130 100
 95 123.3 92.9 139.3
 132 94.9 73.0 109.4
 97 78.1 59.6 89.4





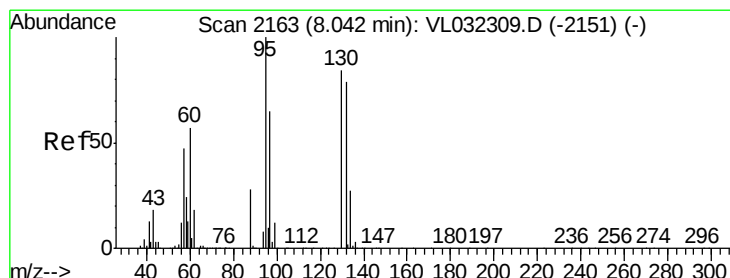
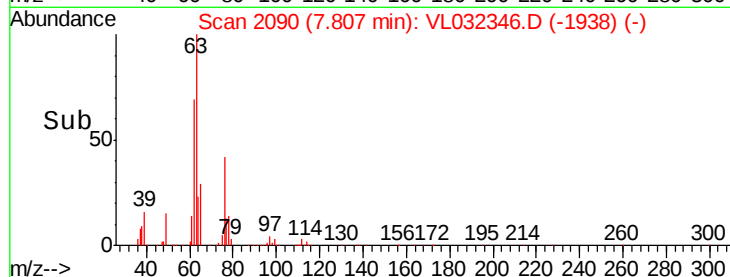
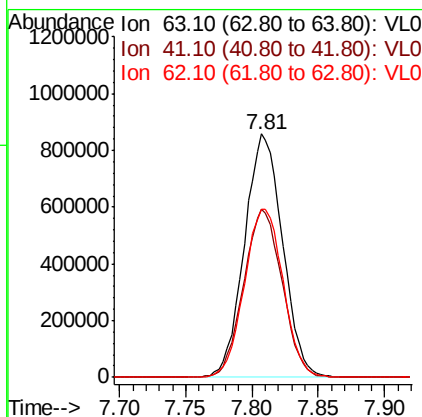
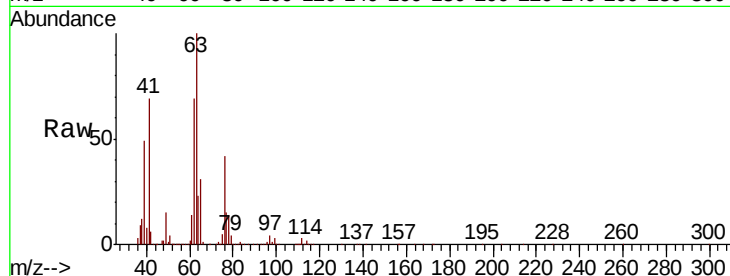
#39
 1,2-Dichloropropane
 Concen: 10.13 ppbv
 RT: 7.81 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.0	52.5	78.7
62	68.9	54.6	81.8

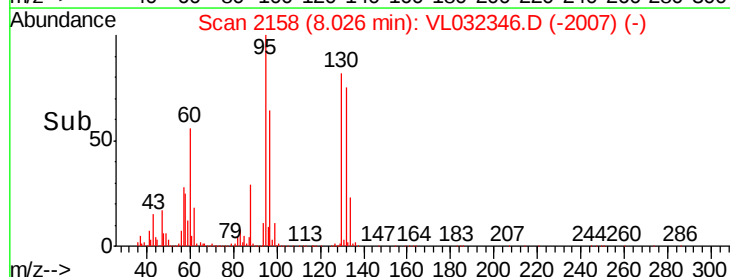
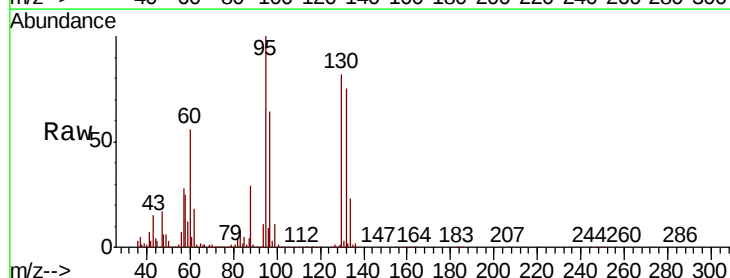
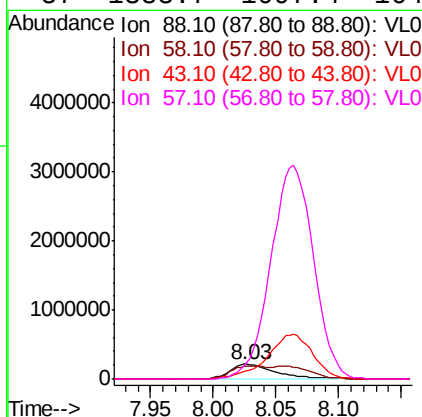
Manual Integrations
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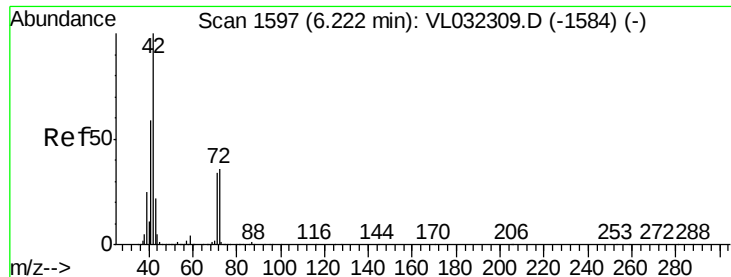
MMDadoda
 8/2/2018 2:05:12 PM



#40
 1,4-Dioxane
 Concen: 10.68 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.02 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	148.7	120.5	180.7
43	308.7	246.2	369.2
57	1388.7	1097.4	1646.2





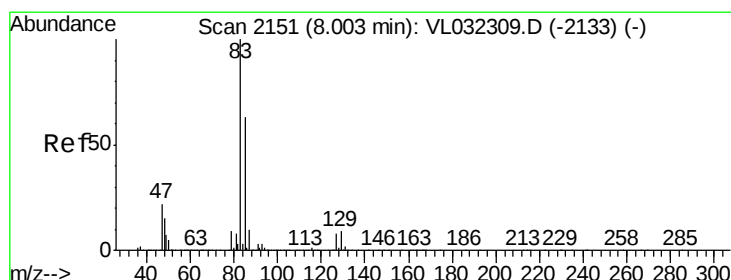
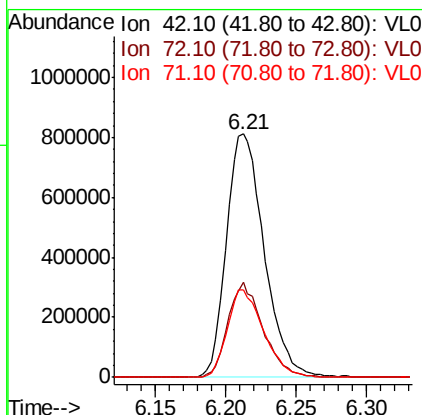
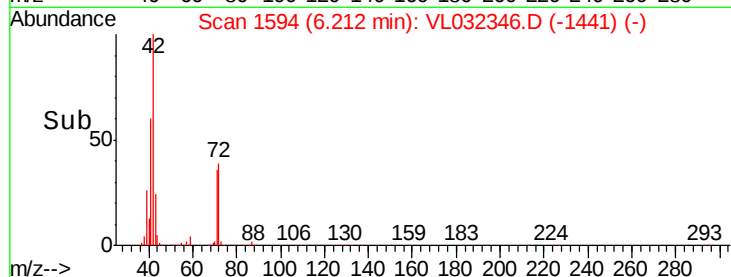
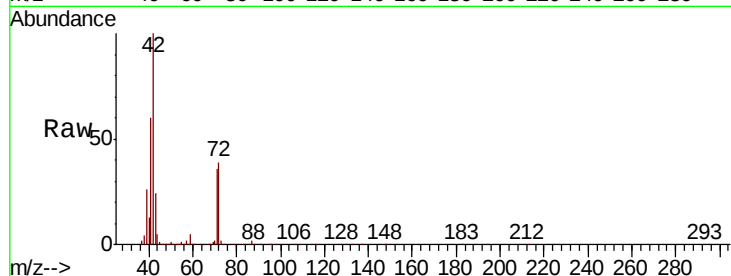
#41
Tetrahydrofuran
Concen: 10.87 ppbv
RT: 6.21 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.6	42.8
71	34.7	27.8	41.6

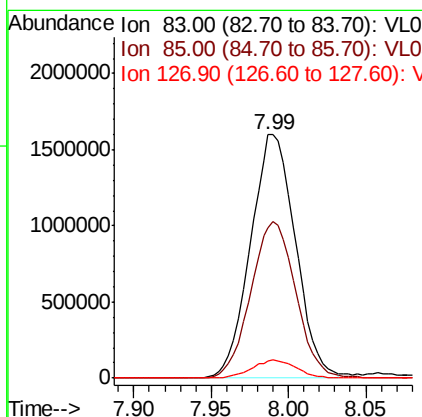
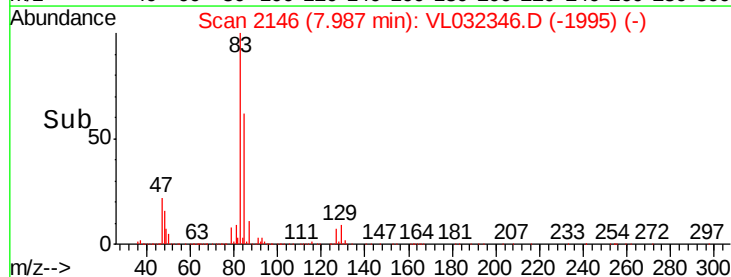
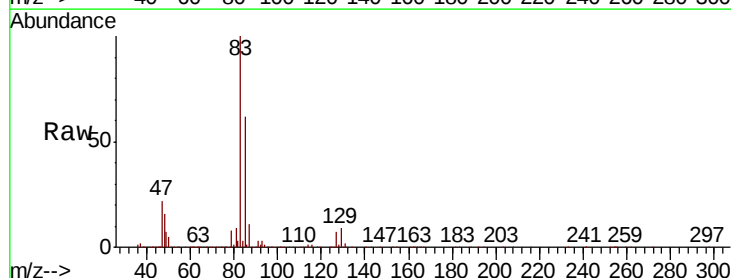
Manual Integrations
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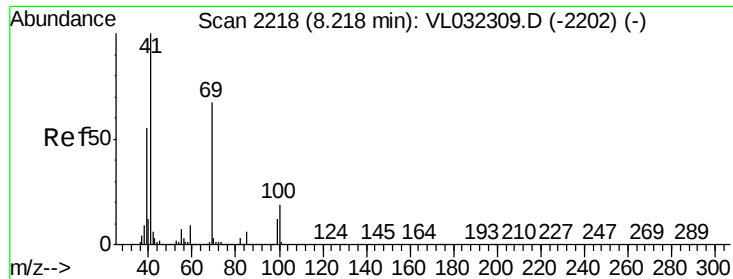
MMDadoda
8/2/2018 2:05:12 PM



#42
Bromodichloromethane
Concen: 10.24 ppbv
RT: 7.99 min Scan# 2146
Delta R.T. -0.02 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.7	76.1
127	7.2	6.0	9.0





#43

Methyl Methacrylate

Concen: 11.10 ppbv

RT: 8.21 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

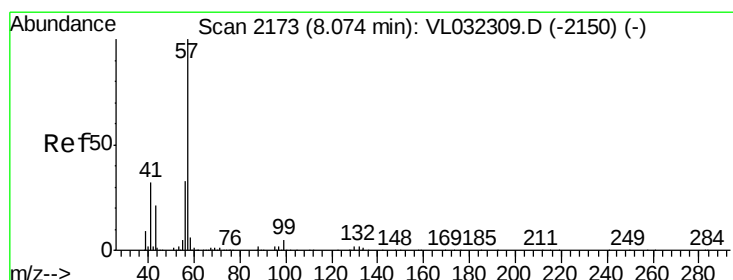
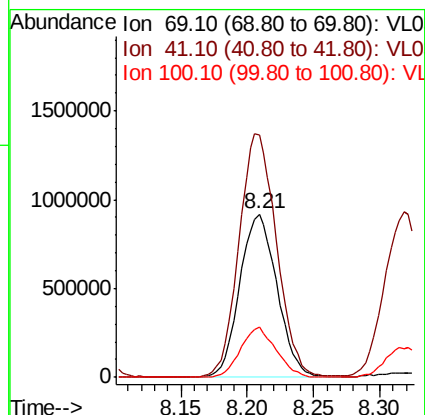
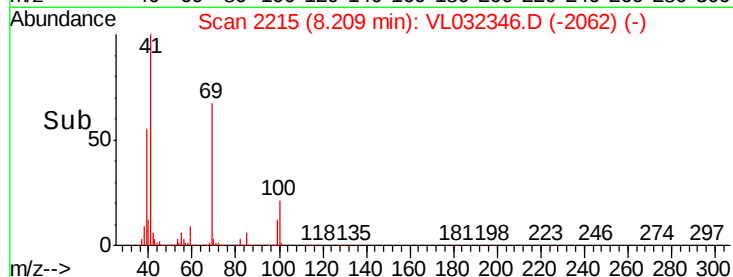
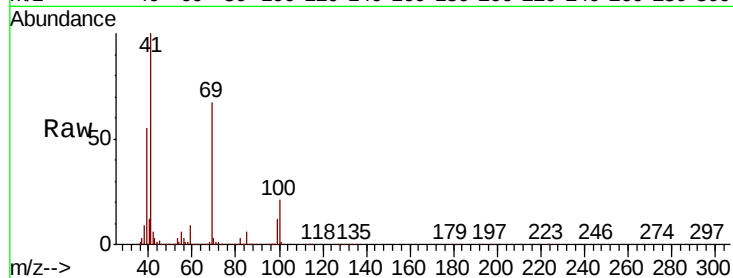
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1794656

Ion	Ratio	Lower	Upper
69	100		
41	149.6	120.6	180.8
100	29.4	23.2	34.8

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#44

2,2,4-Trimethylpentane

Concen: 10.09 ppbv

RT: 8.06 min Scan# 2170

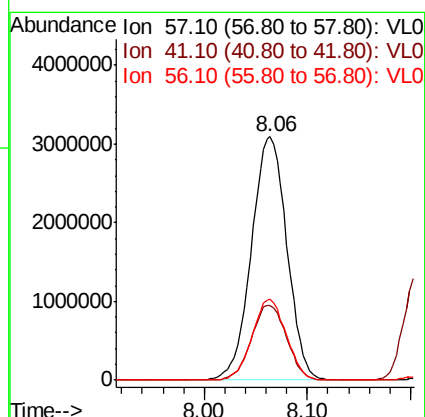
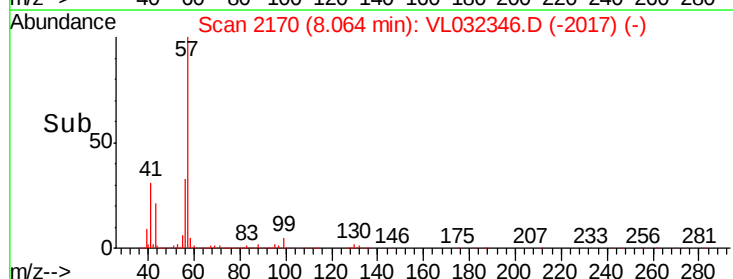
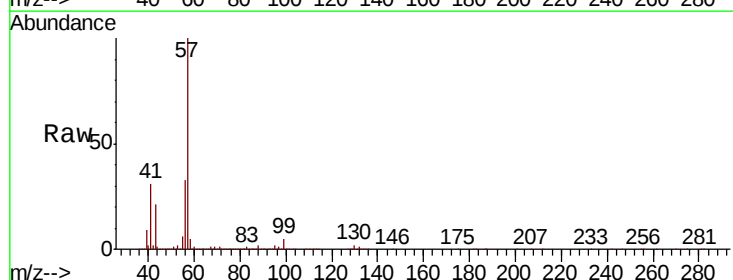
Delta R.T. -0.01 min

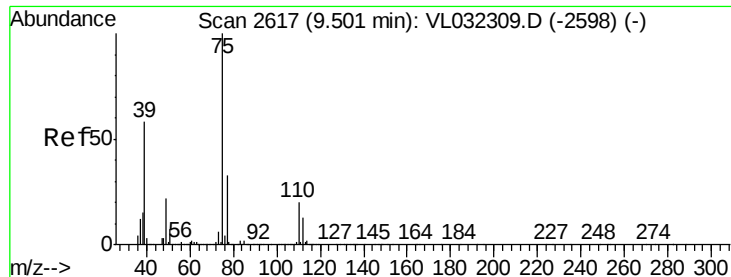
Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Tgt Ion: 57 Resp: 7367835

Ion	Ratio	Lower	Upper
57	100		
41	30.6	24.3	36.5
56	32.0	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 11.82 ppbv

RT: 9.49 min Scan# 2614

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Tot Ion: 75 Resp: 2215070

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

Instrument :

MSVOA_L

ClientSampleId :

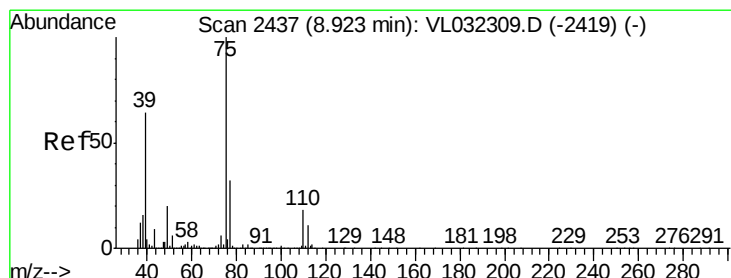
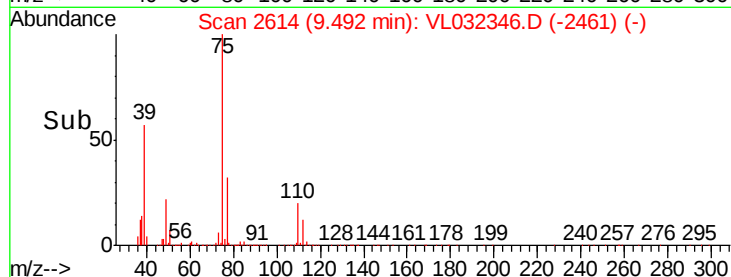
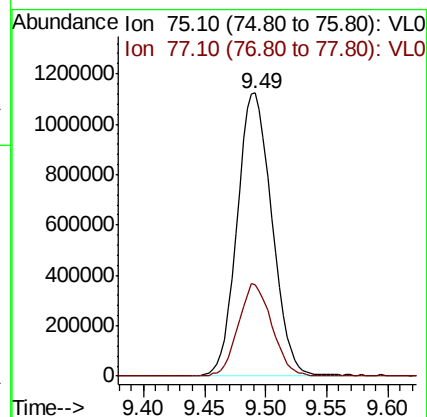
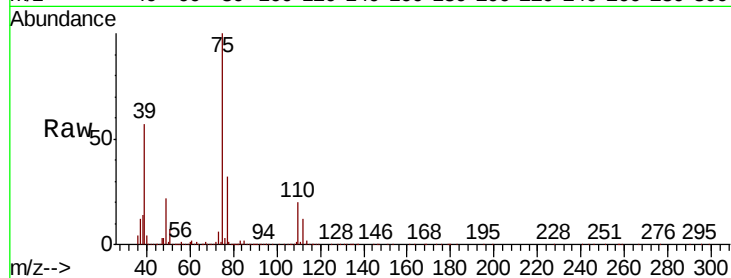
VSTDCCC010EC

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#46

cis-1,3-Dichloropropene

Concen: 11.37 ppbv

RT: 8.91 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

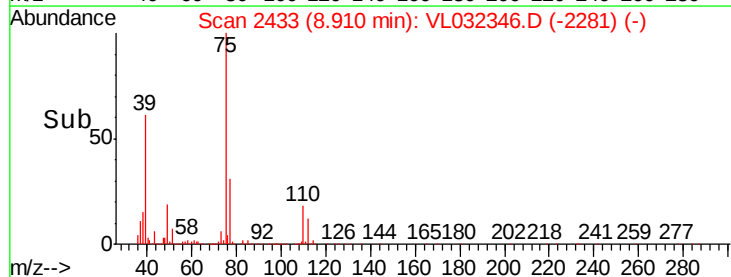
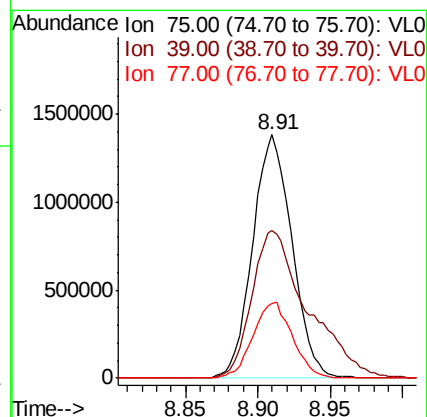
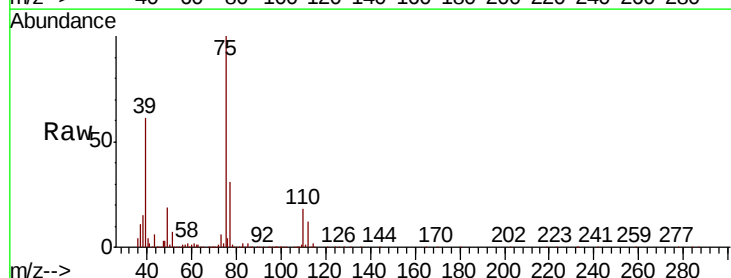
Tgt Ion: 75 Resp: 2608721

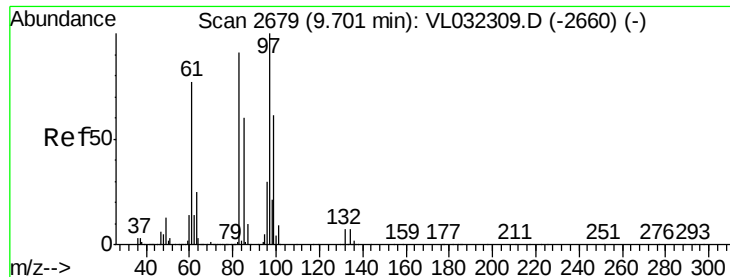
Ion Ratio Lower Upper

75 100

39 60.7 50.9 76.3

77 30.7 25.7 38.5





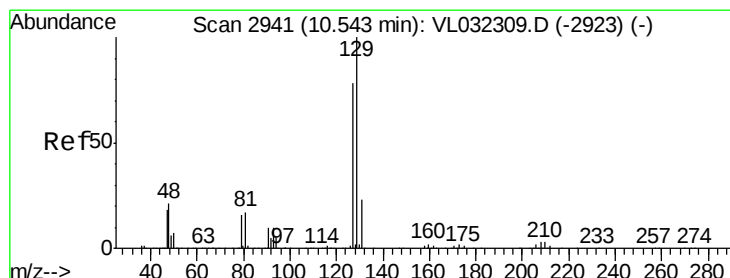
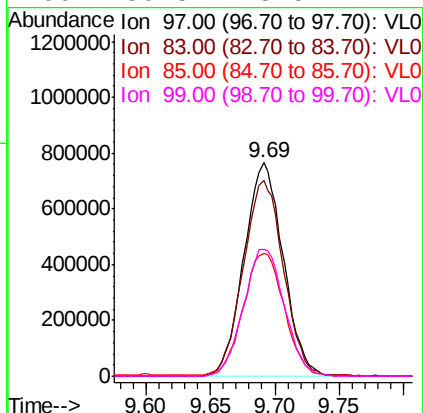
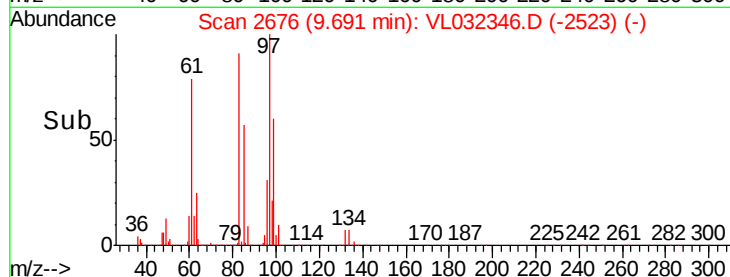
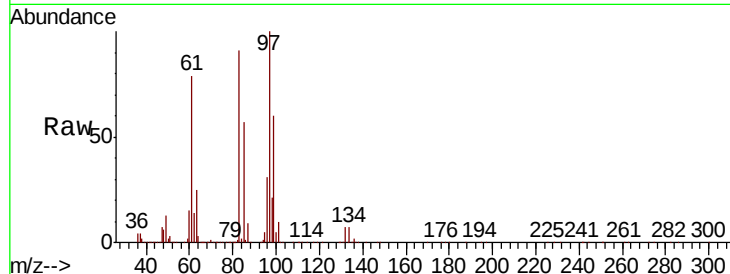
#47
 1,1,2-Trichloroethane
 Concen: 9.87 ppbv
 RT: 9.69 min Scan# 2676
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.4	73.0	109.6	
85	57.2	48.1	72.1	
99	59.5	48.5	72.7	

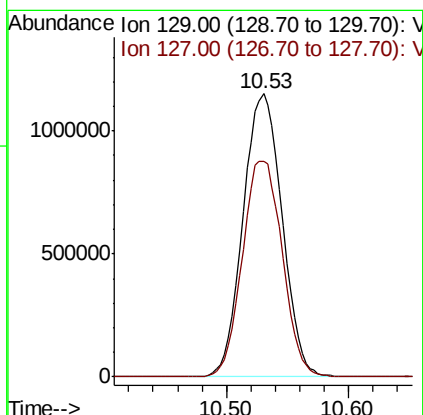
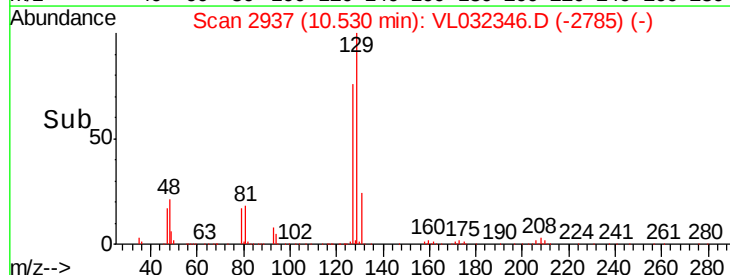
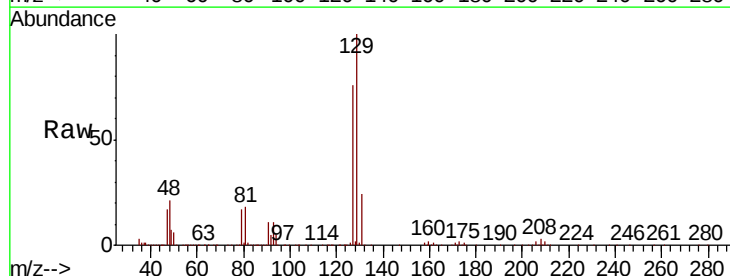
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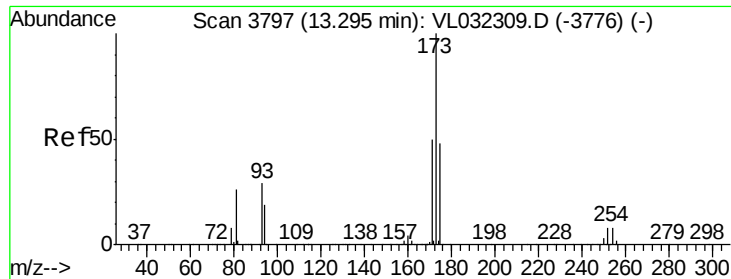
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#48
 Dibromochloromethane
 Concen: 10.47 ppbv
 RT: 10.53 min Scan# 2937
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.5	118.3	





#49

Bromoform

Concen: 10.30 ppbv

RT: 13.28 min Scan# 3792

Delta R.T. -0.02 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2059505

Ion Ratio Lower Upper

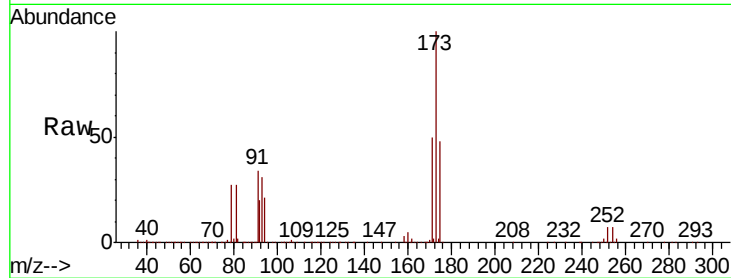
173 100

175 49.1 38.9 58.3

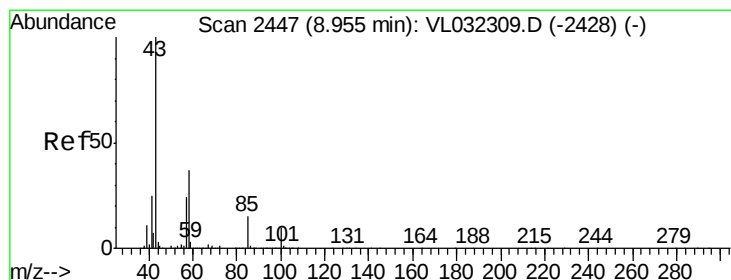
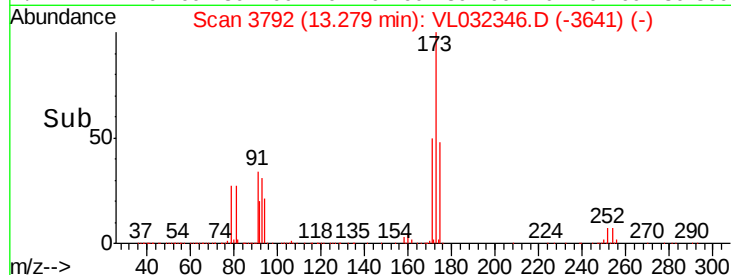
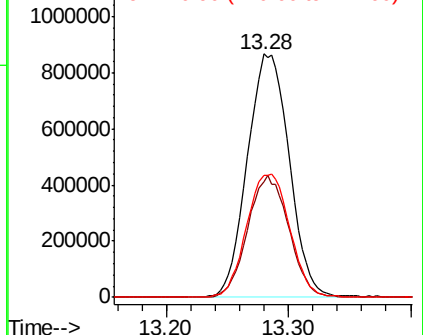
171 52.2 42.2 63.2

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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: 10.44 ppbv

RT: 8.94 min Scan# 2443

Delta R.T. -0.01 min

Lab File: VL032346.D

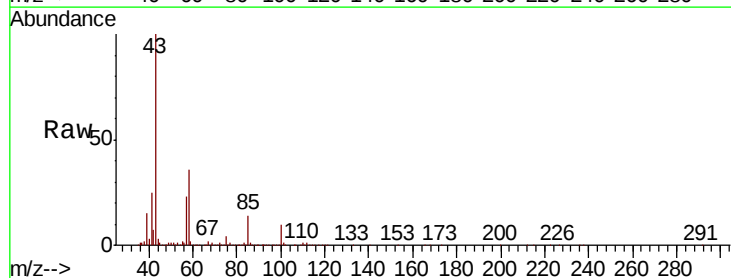
Acq: 2 Aug 2018 11:53

Tgt Ion: 43 Resp: 4557290

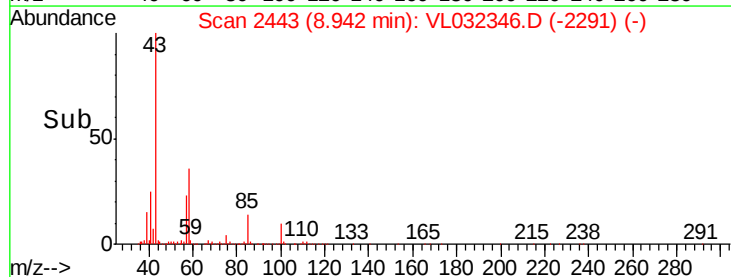
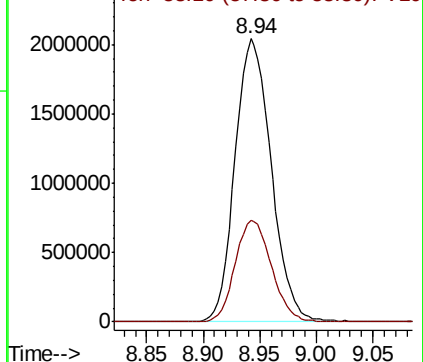
Ion Ratio Lower Upper

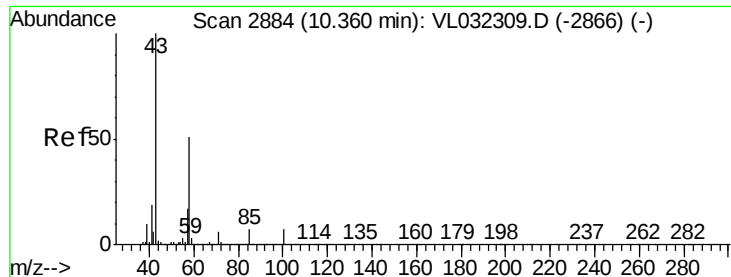
43 100

58 36.1 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.21 ppbv

RT: 10.35 min Scan# 2880

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 3726158

Ion Ratio Lower Upper

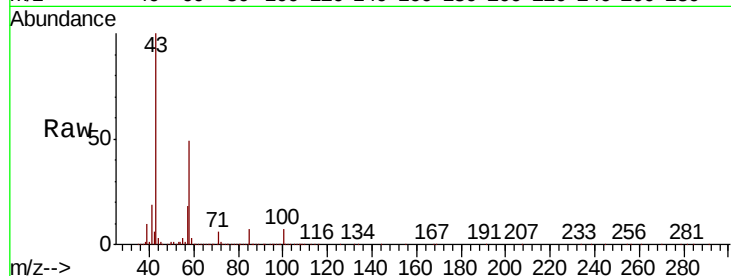
43 100

58 48.3 39.1 58.7

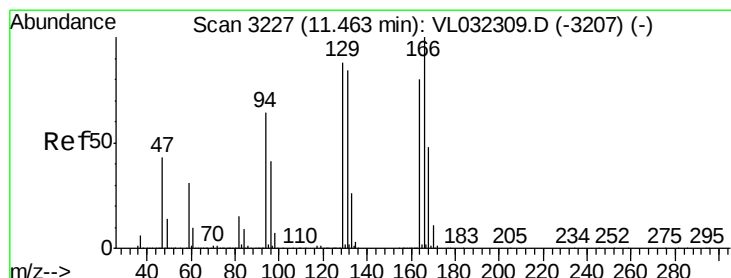
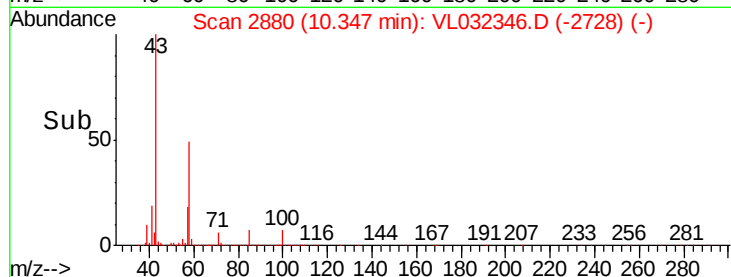
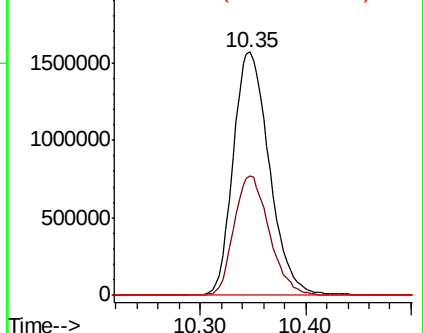
98 0.4 0.3 0.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.69 ppbv

RT: 11.45 min Scan# 3224

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Tgt Ion: 164 Resp: 1213674

Ion Ratio Lower Upper

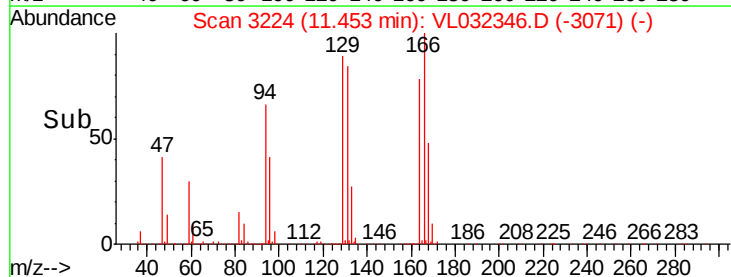
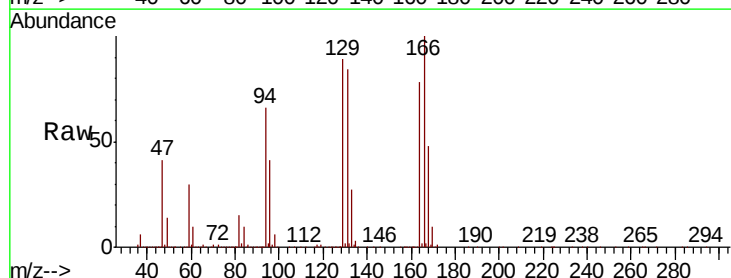
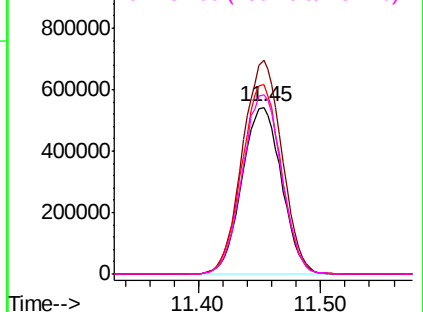
164 100

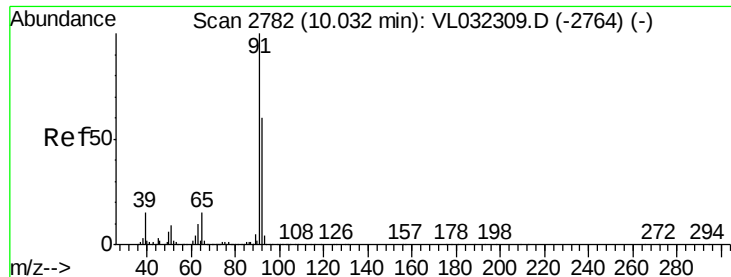
166 127.8 100.0 150.0

129 113.5 87.9 131.9

131 107.1 83.8 125.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.38 ppbv

RT: 10.02 min Scan# 2779

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4582883

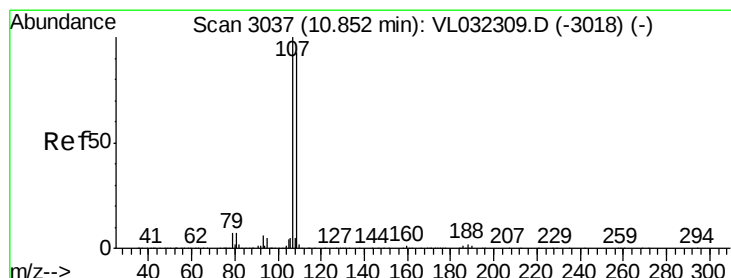
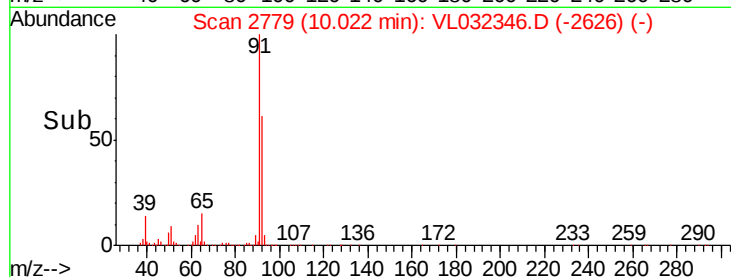
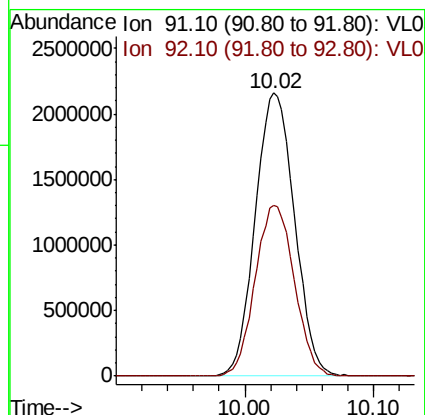
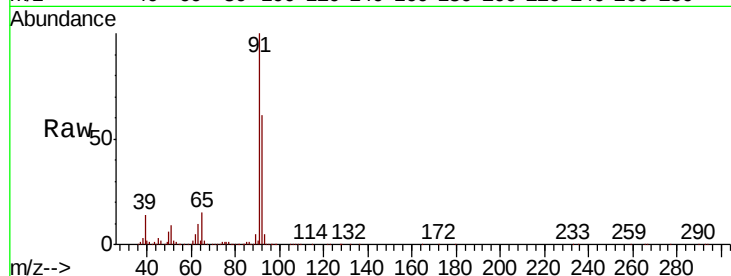
Ion Ratio Lower Upper

91 100

92 60.4 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 10.41 ppbv

RT: 10.84 min Scan# 3033

Delta R.T. -0.01 min

Lab File: VL032346.D

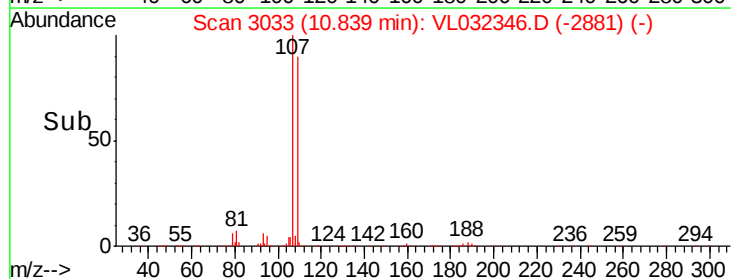
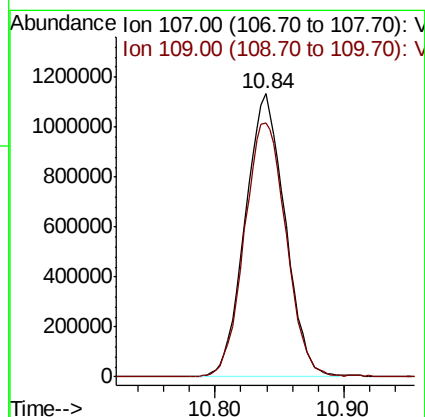
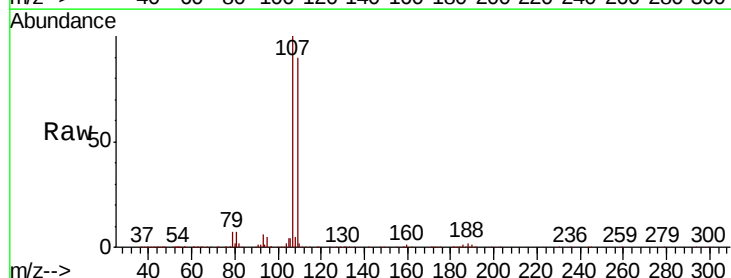
Acq: 2 Aug 2018 11:53

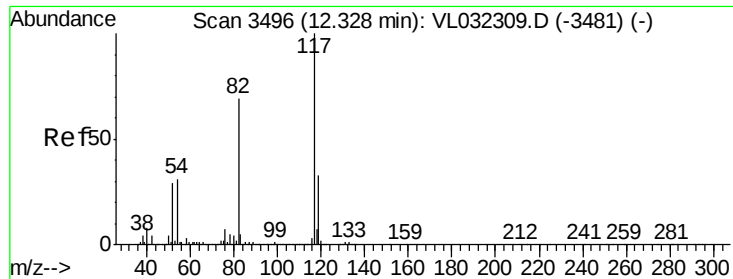
Tgt Ion: 107 Resp: 2435931

Ion Ratio Lower Upper

107 100

109 89.7 74.1 111.1





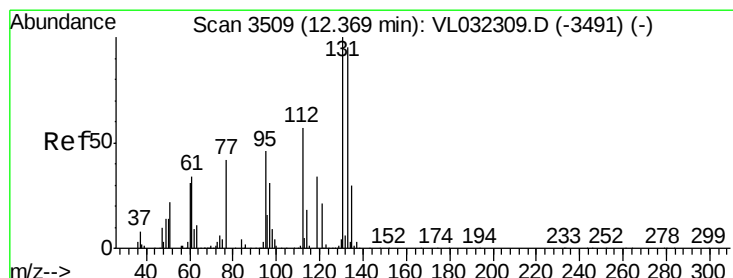
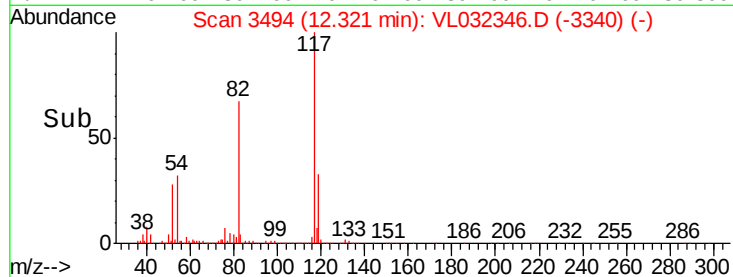
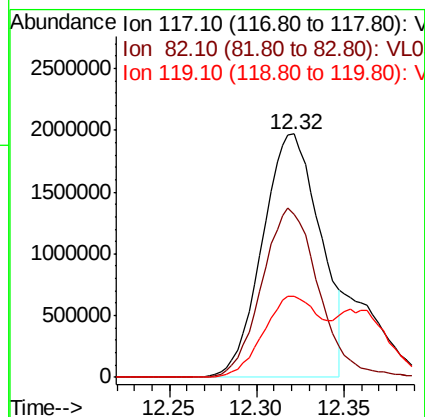
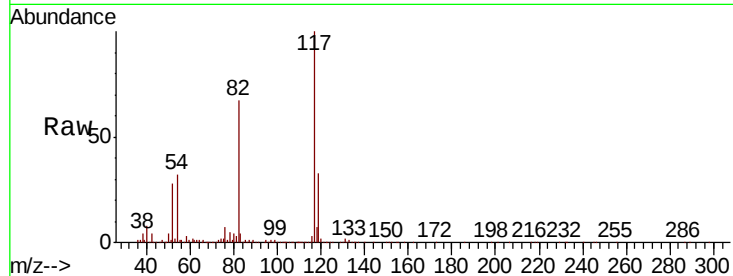
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.32 min Scan# 3494
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4514479
Ion Ratio Lower Upper
117 100
82 69.2 52.6 78.8
119 34.5 25.7 38.5

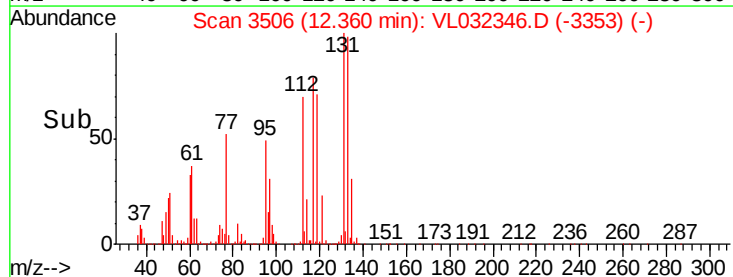
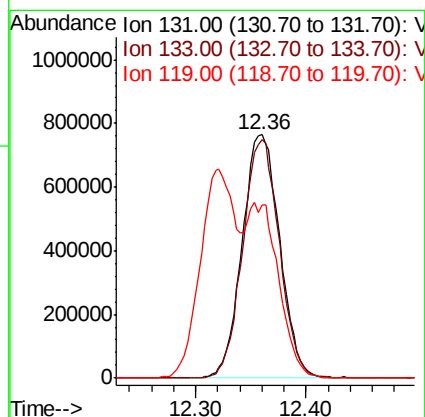
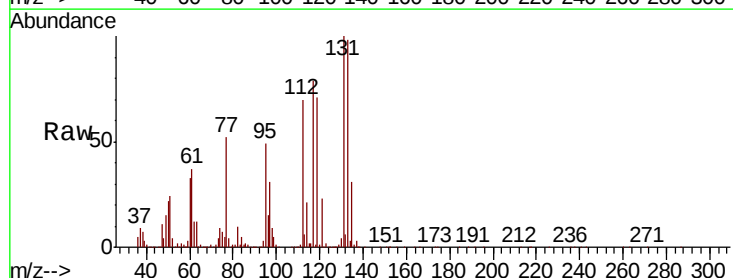
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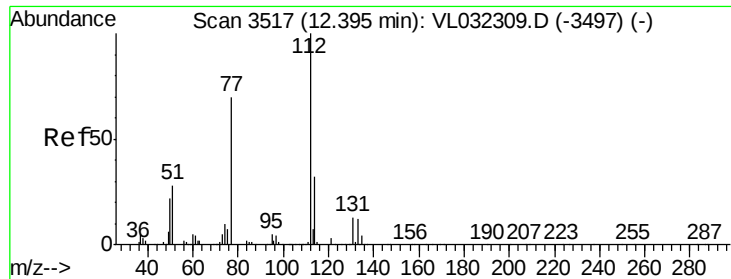
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.70 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion:131 Resp: 1805084
Ion Ratio Lower Upper
131 100
133 96.1 75.8 113.6
119 145.6 48.1 72.1#





#57

Chlorobenzene

Concen: 9.42 ppbv

RT: 12.38 min Scan# 3512

Delta R.T. -0.02 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 3305655

Ion Ratio Lower Upper

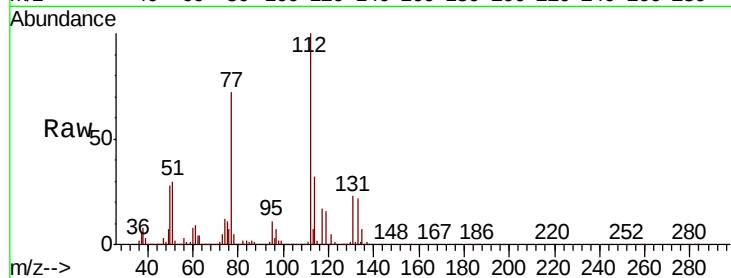
112 100

77 72.1 56.5 84.7

114 32.0 28.4 34.7

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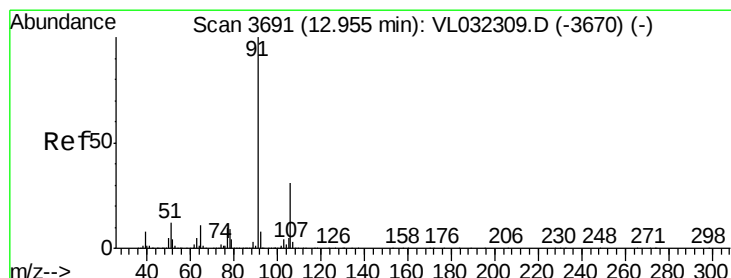
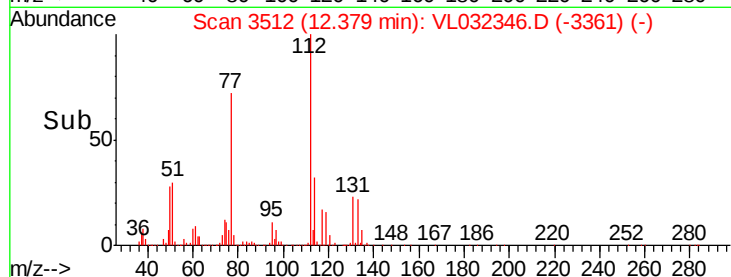
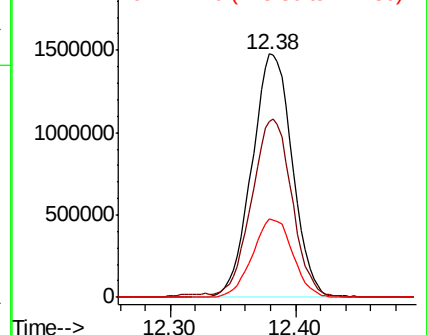
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.81 ppbv

RT: 12.94 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL032346.D

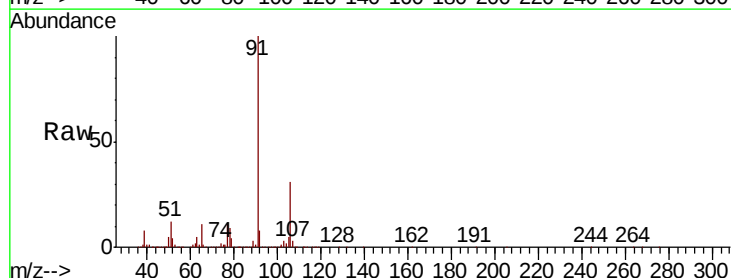
Acq: 2 Aug 2018 11:53

Tgt Ion: 91 Resp: 6116893

Ion Ratio Lower Upper

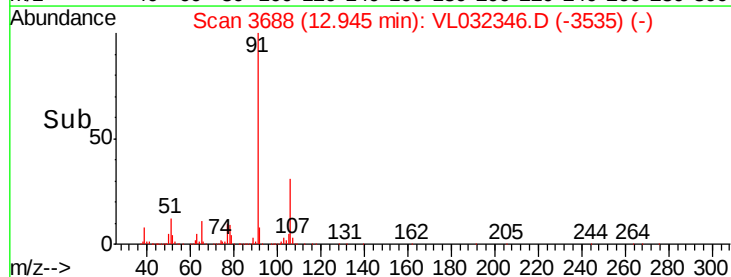
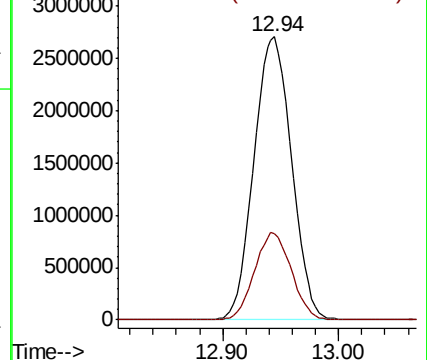
91 100

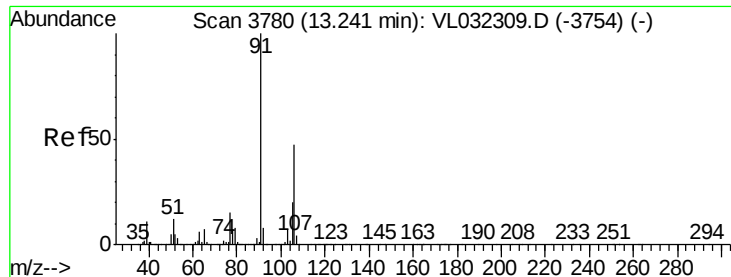
106 30.6 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





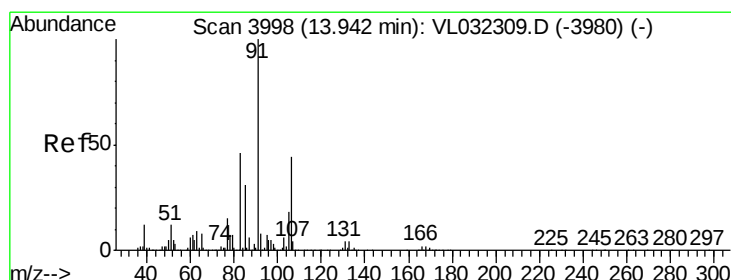
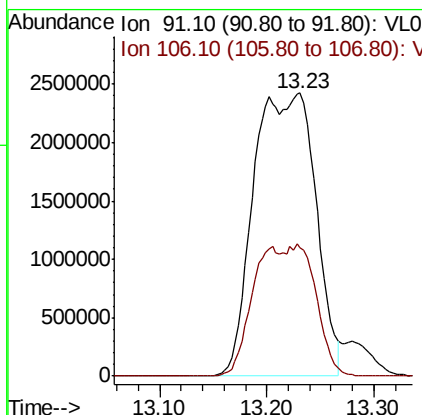
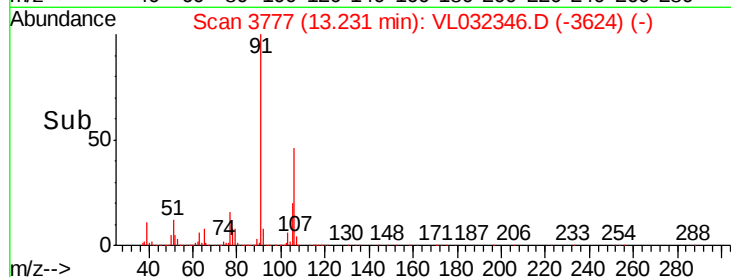
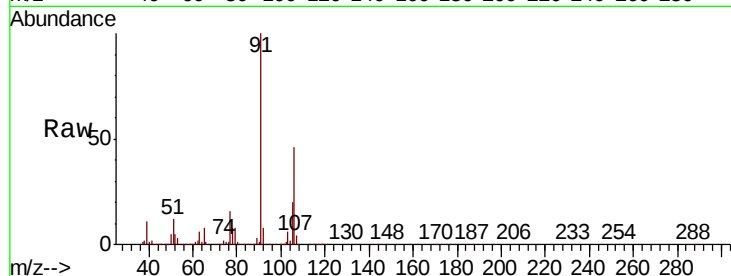
#59
m/p-Xylene
Concen: 20.17 ppbv m
RT: 13.23 min Scan# 3777
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9721310
Ion Ratio Lower Upper
91 100
106 46.2 36.4 54.6

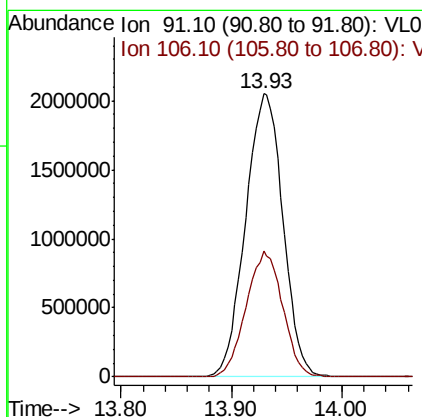
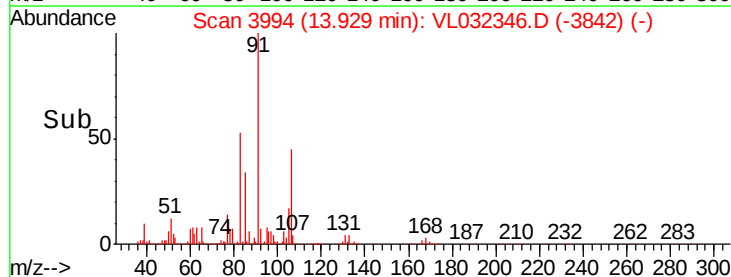
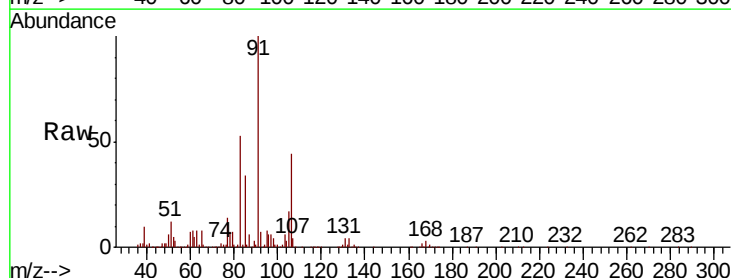
Manual Integrations
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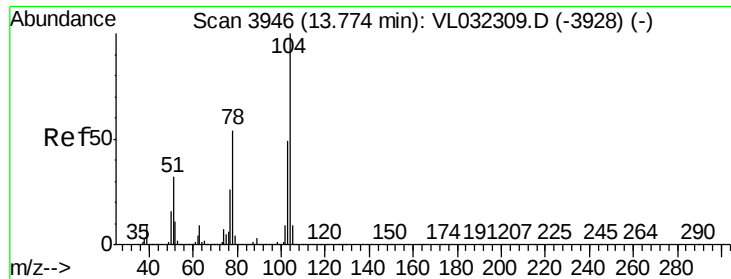
MMDadoda
8/2/2018 2:05:12 PM



#60
o-Xylene
Concen: 10.20 ppbv
RT: 13.93 min Scan# 3994
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion: 91 Resp: 4819250
Ion Ratio Lower Upper
91 100
106 43.5 22.4 67.0





#61

Stvrene

Concen: 11.15 ppbv

RT: 13.76 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3877773

Ion Ratio Lower Upper

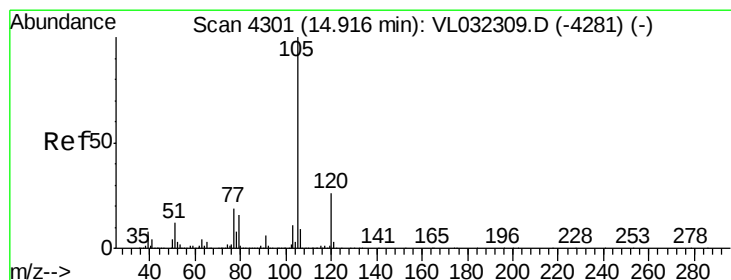
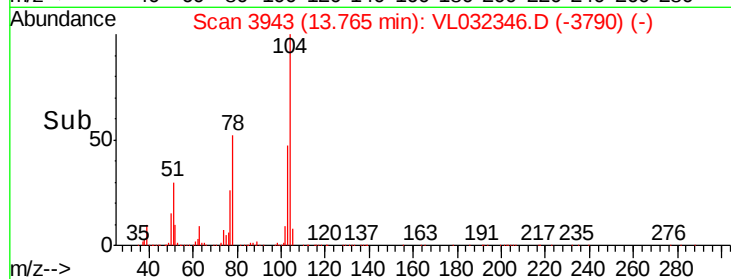
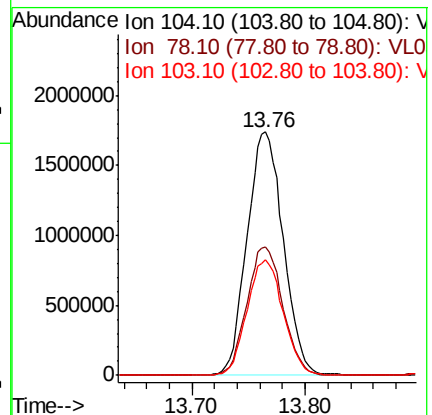
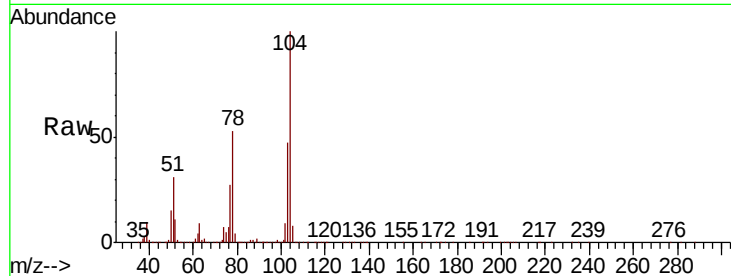
104 100

78 52.5 42.6 63.8

103 47.4 38.0 57.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 10.04 ppbv

RT: 14.91 min Scan# 4298

Delta R.T. -0.01 min

Lab File: VL032346.D

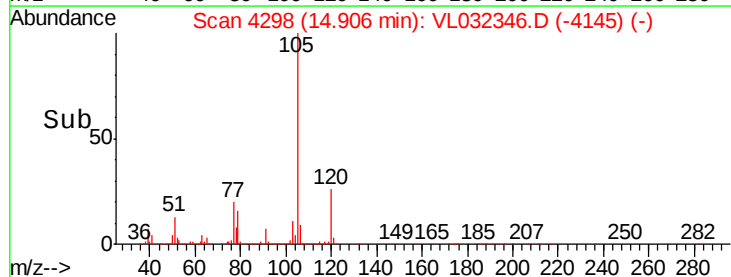
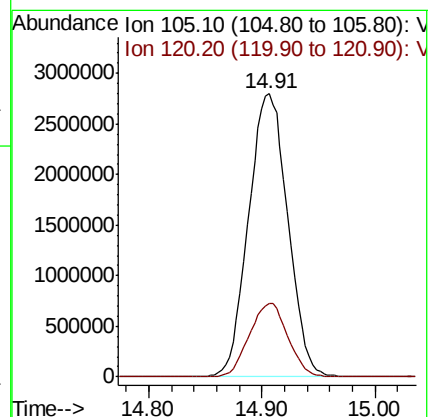
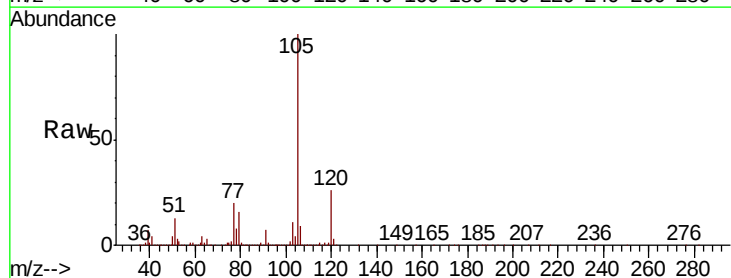
Acq: 2 Aug 2018 11:53

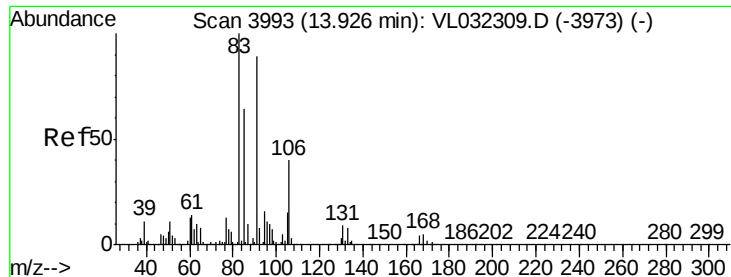
Tgt Ion:105 Resp: 6740538

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6





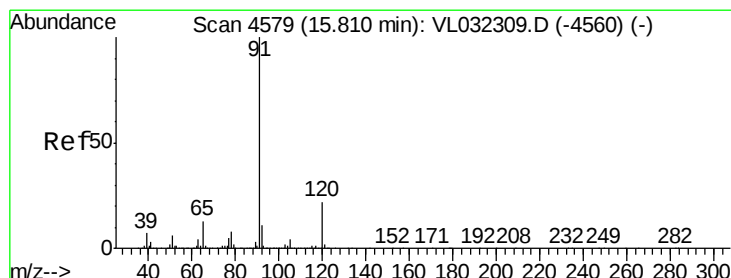
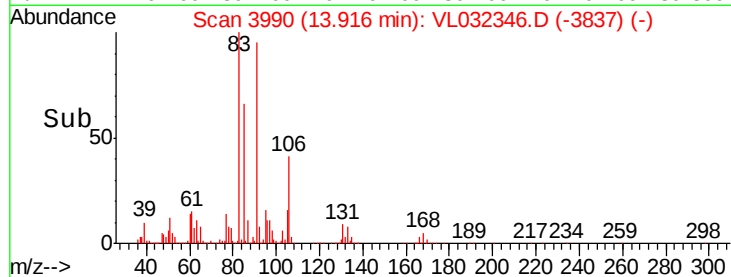
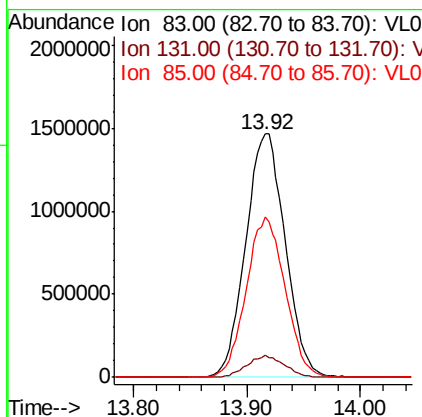
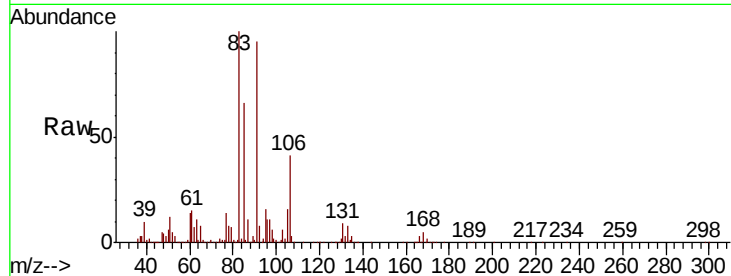
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.25 ppbv
 RT: 13.92 min Scan# 3990
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	65.0	32.6	97.7

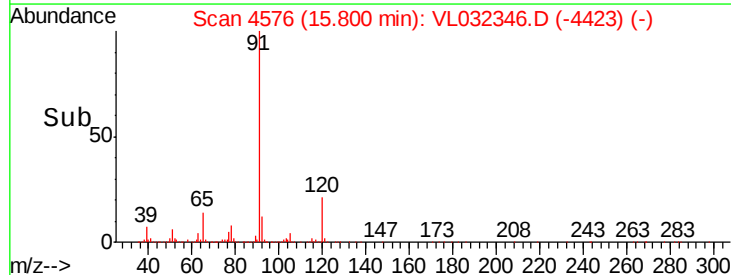
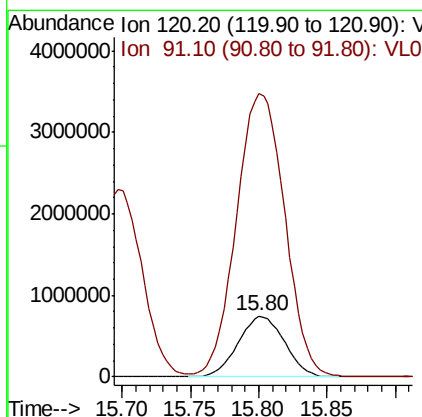
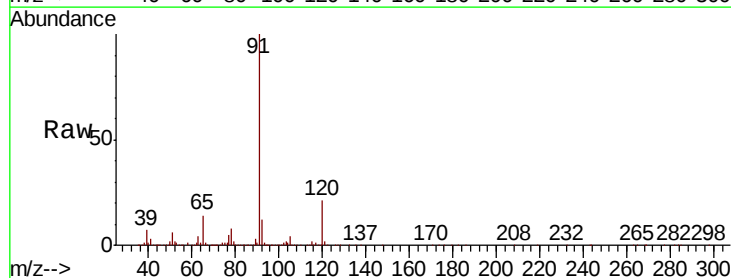
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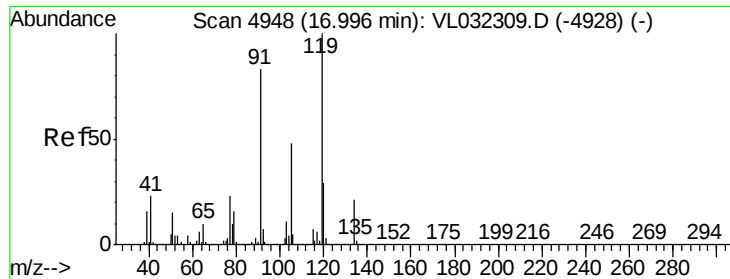
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.02 ppbv
 RT: 15.80 min Scan# 4576
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
120	100		
91	489.7	381.8	572.8





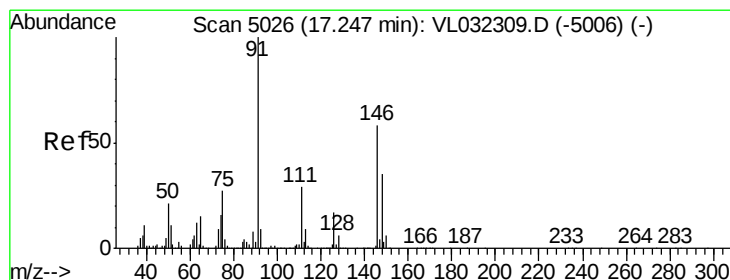
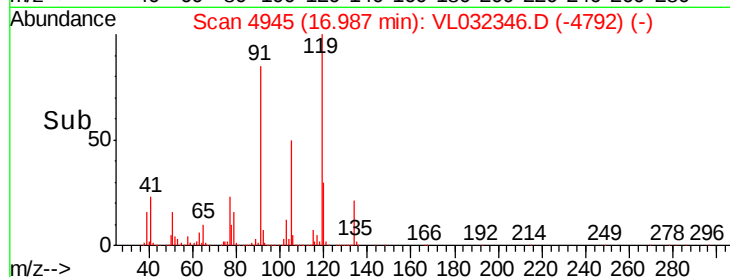
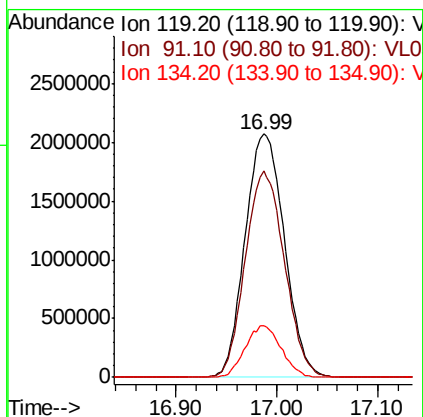
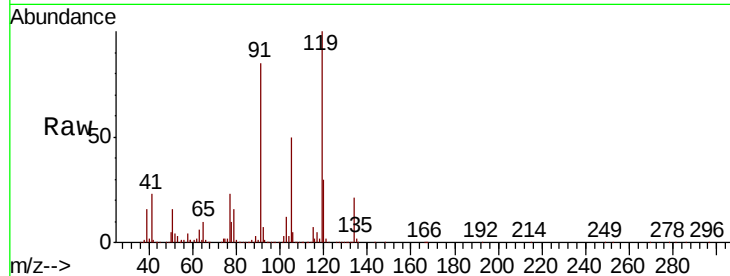
#65
tert-Butylbenzene
Concen: 9.87 ppbv
RT: 16.99 min Scan# 4945
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 5597410
Ion Ratio Lower Upper
119 100
91 84.6 67.5 101.3
134 19.5 15.8 23.6

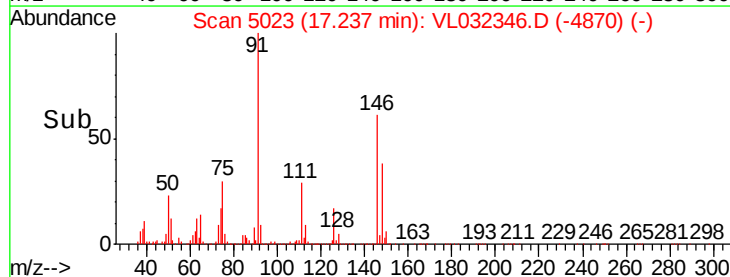
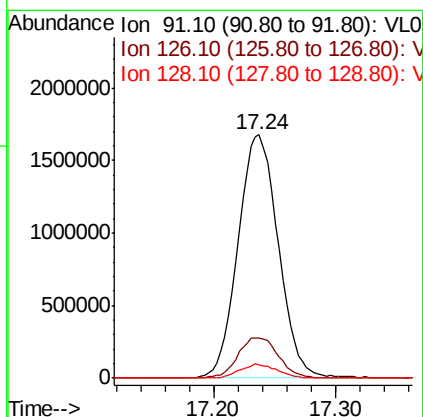
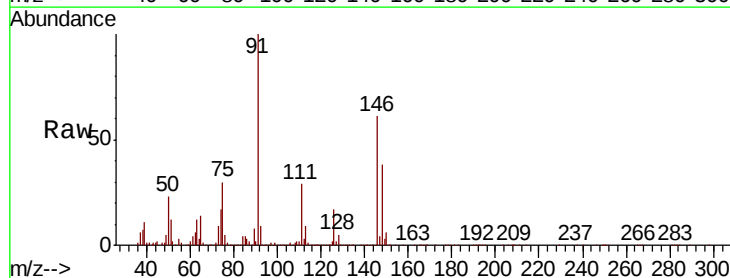
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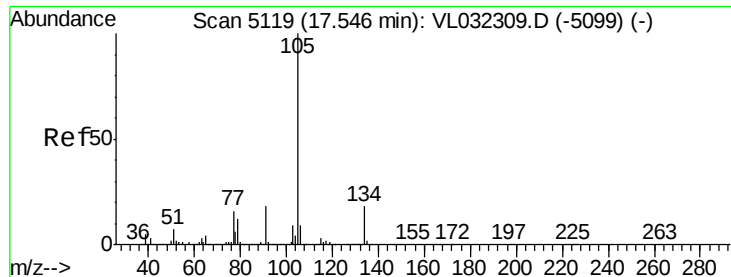
MMDadoda
8/2/2018 2:05:12 PM



#66
Benzyl Chloride
Concen: 11.26 ppbv
RT: 17.24 min Scan# 5023
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion: 91 Resp: 3805691
Ion Ratio Lower Upper
91 100
126 16.9 13.7 20.5
128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.82 ppbv

RT: 17.54 min Scan# 5116

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 8337861

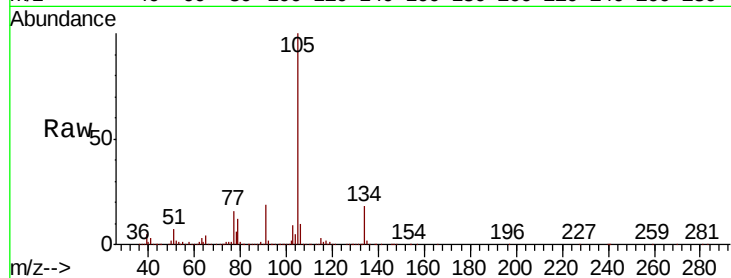
Ion Ratio Lower Upper

105 100

134 17.7 14.2 21.4

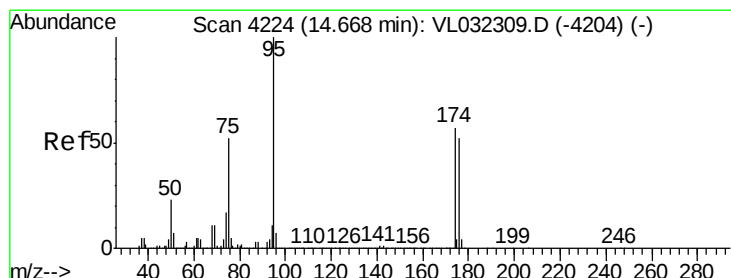
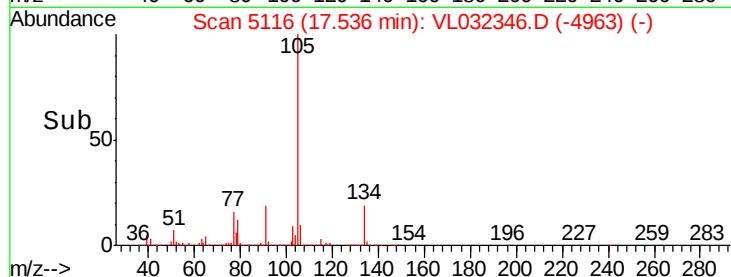
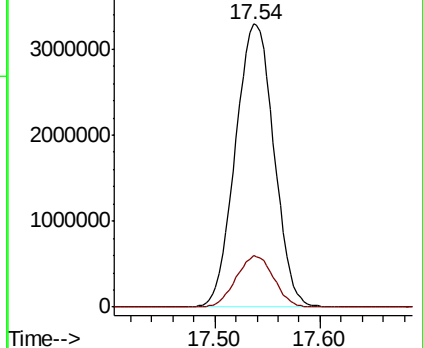
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.27 ppbv

RT: 14.66 min Scan# 4221

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

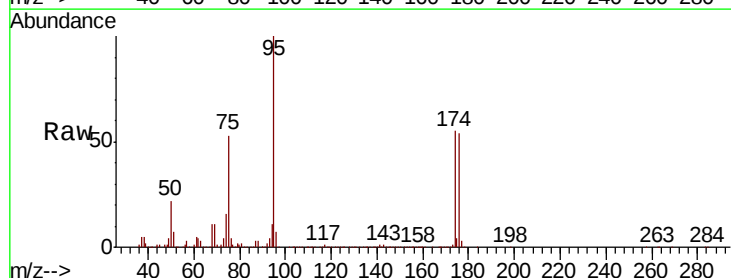
Tgt Ion: 95 Resp: 3598996

Ion Ratio Lower Upper

95 100

174 56.6 45.5 68.3

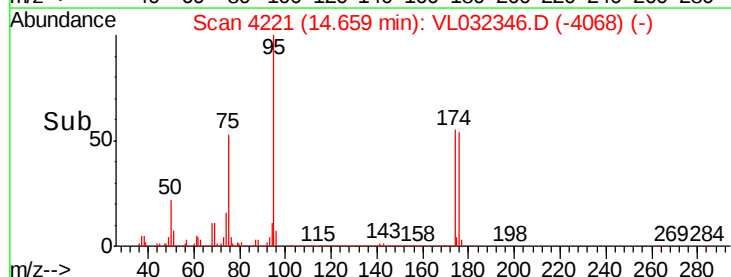
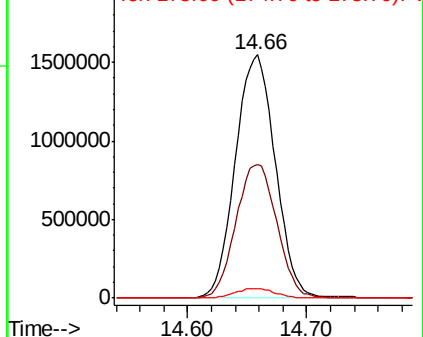
175 4.1 3.3 4.9

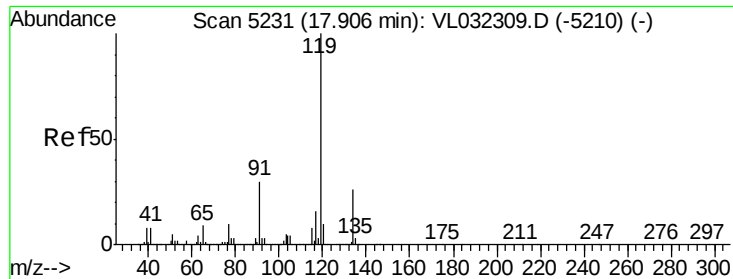


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





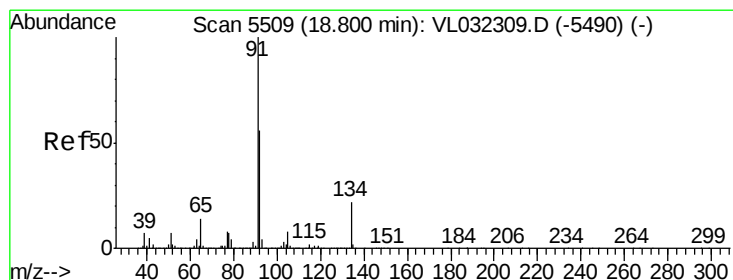
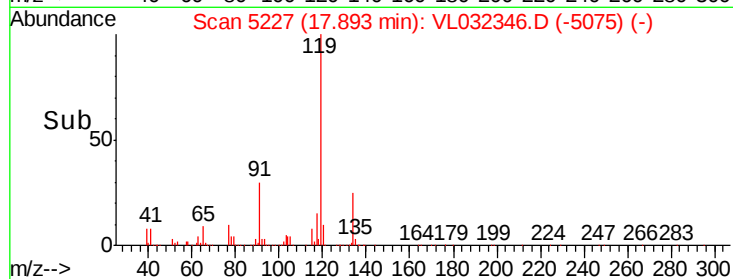
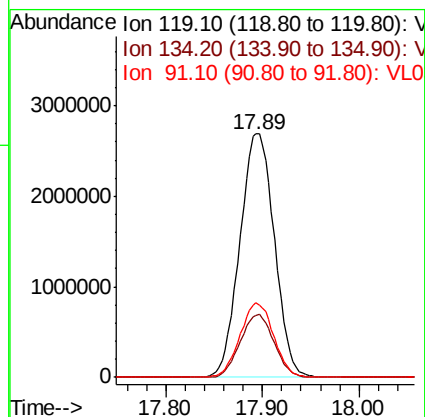
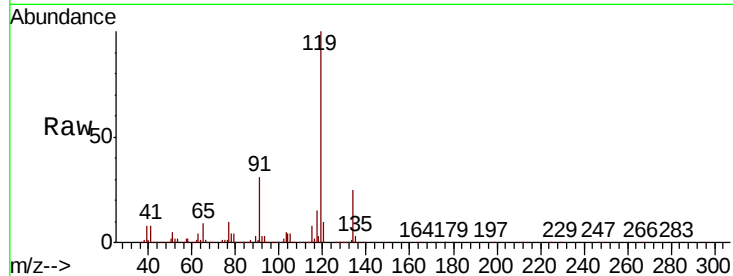
#69
 p-Isopropyltoluene
 Concen: 10.12 ppbv
 RT: 17.89 min Scan# 5227
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	30.0	23.8	35.6

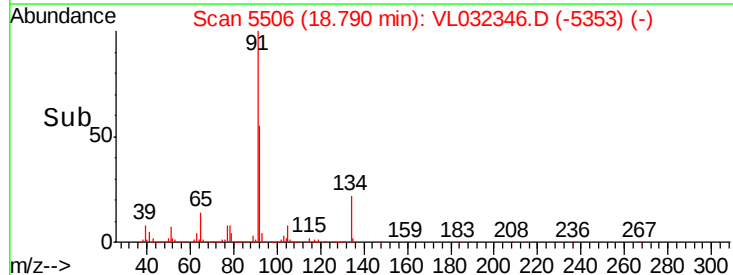
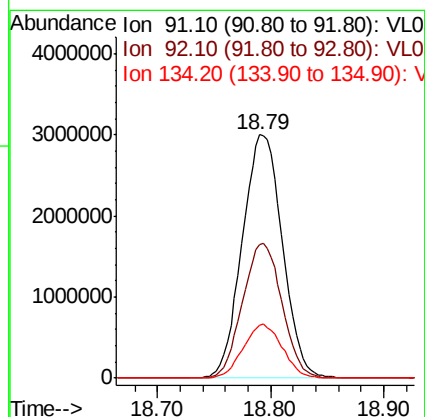
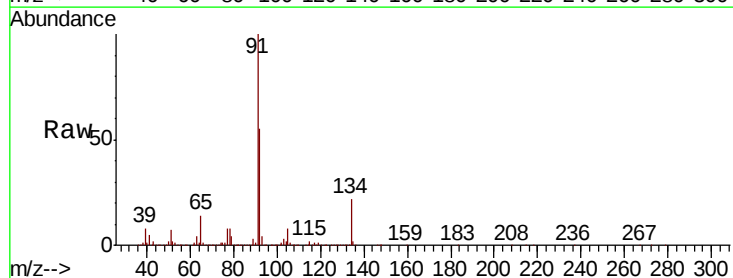
Manual Integrations
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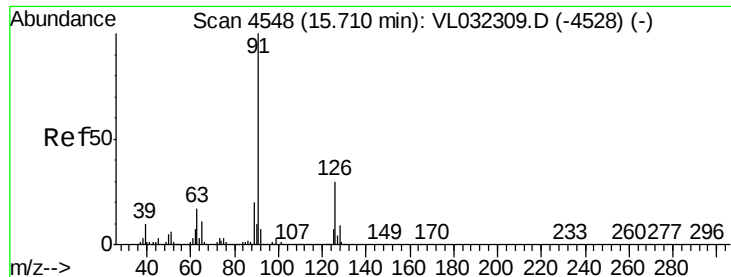
MMDadoda
 8/2/2018 2:05:12 PM



#70
 n-Butylbenzene
 Concen: 9.73 ppbv
 RT: 18.79 min Scan# 5506
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.2	66.4
134	21.5	17.4	26.2





#71

2-Chlorotoluene

Concen: 10.31 ppbv

RT: 15.70 min Scan# 4544

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5428506

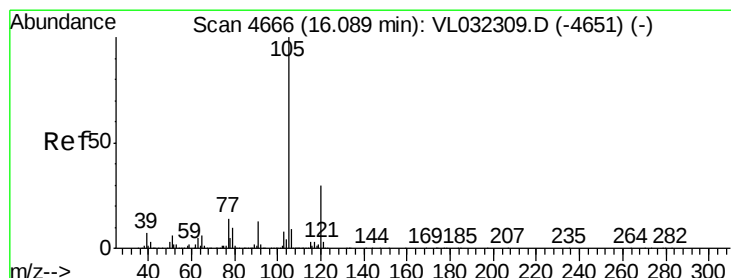
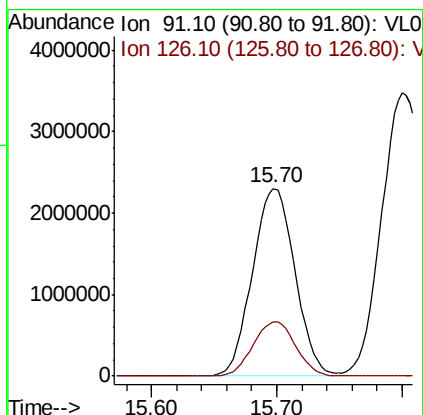
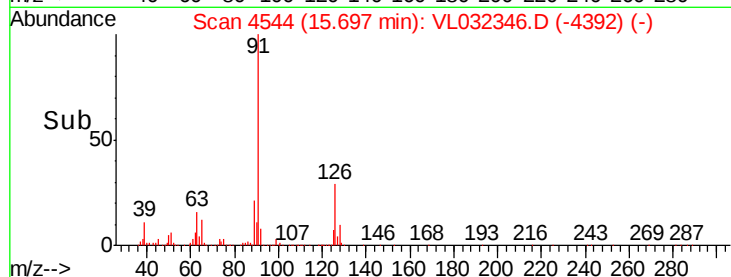
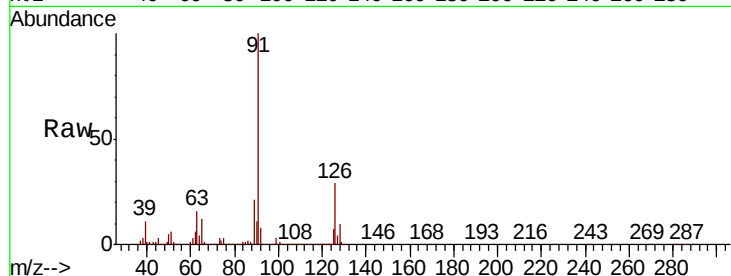
Ion Ratio Lower Upper

91 100

126 29.3 11.8 47.0

Manual Integrations
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8/2/2018 2:05:12 PM



#72

4-Ethyltoluene

Concen: 10.66 ppbv

RT: 16.08 min Scan# 4663

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Tgt Ion: 105 Resp: 5645802

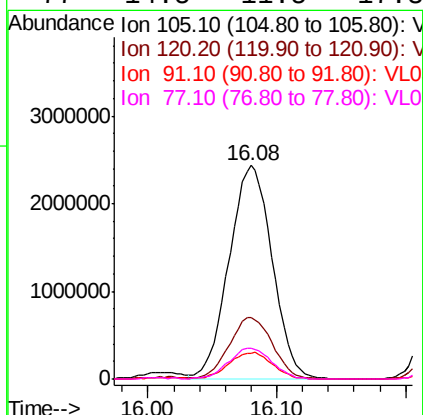
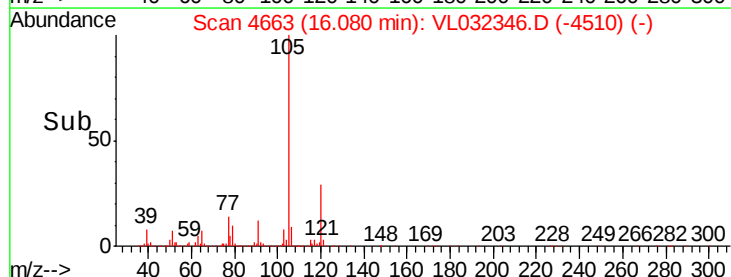
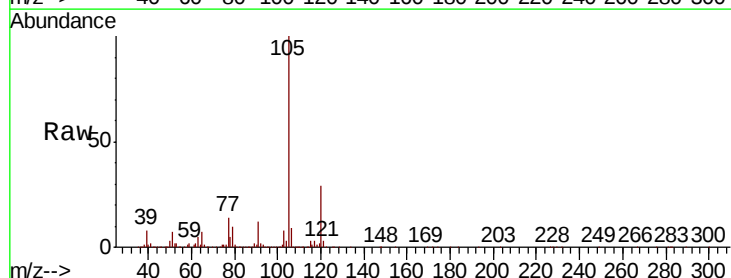
Ion Ratio Lower Upper

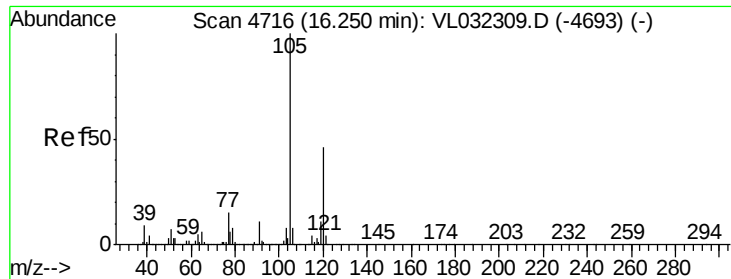
105 100

120 29.0 23.1 34.7

91 13.0 10.0 15.0

77 14.5 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.30 ppbv

RT: 16.24 min Scan# 4712

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5370386

Ion Ratio Lower Upper

105 100

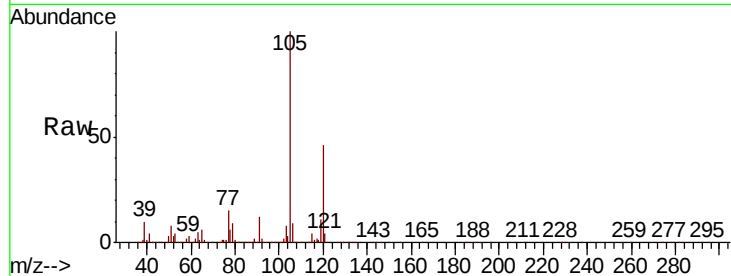
120 45.8 36.5 54.7

Manual Integrations

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MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

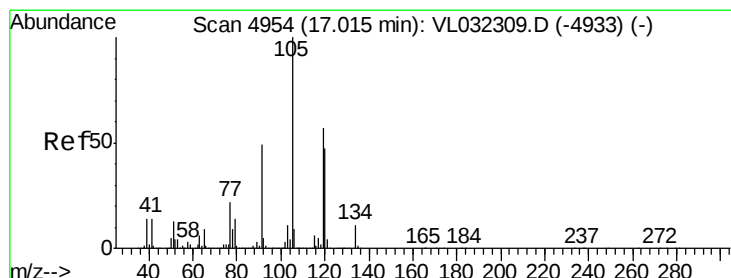
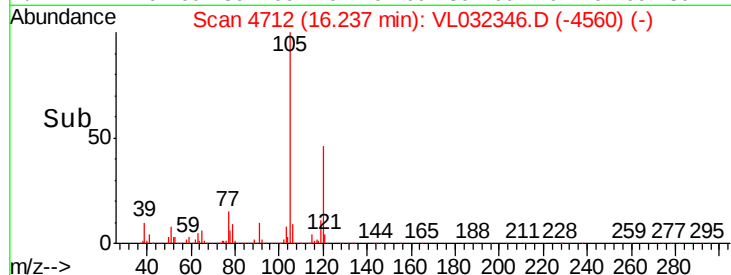
0

16.24

16.20

16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.69 ppbv

RT: 17.01 min Scan# 4951

Delta R.T. -0.01 min

Lab File: VL032346.D

Acq: 2 Aug 2018 11:53

Tgt Ion:105 Resp: 5324939

Ion Ratio Lower Upper

105 100

120 47.8 37.8 56.6

91 47.2 39.4 59.0

77 23.3 17.6 26.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2000000

1000000

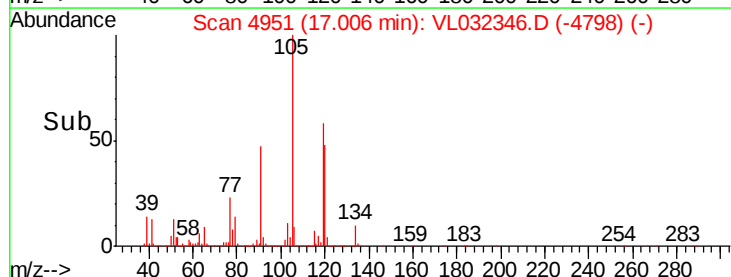
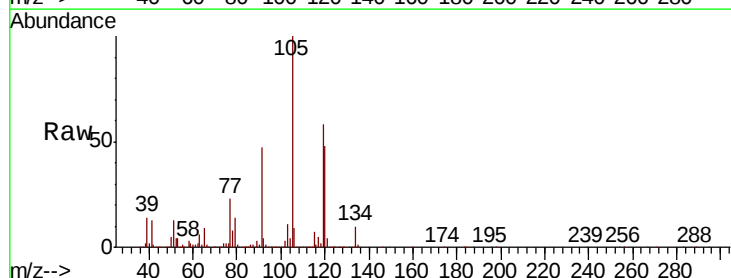
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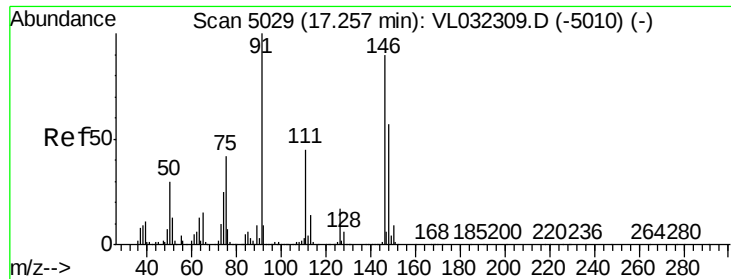
17.01

16.90

17.10

Time-->





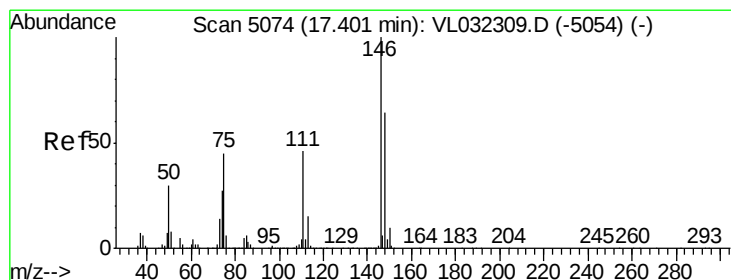
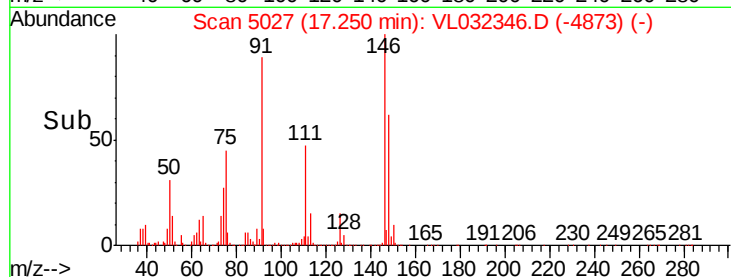
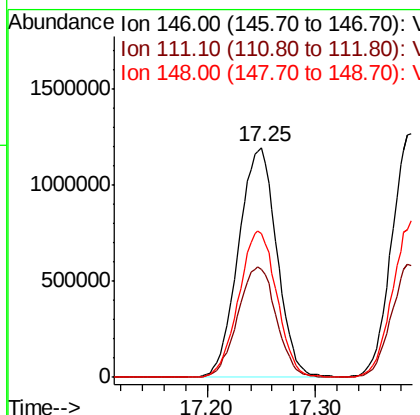
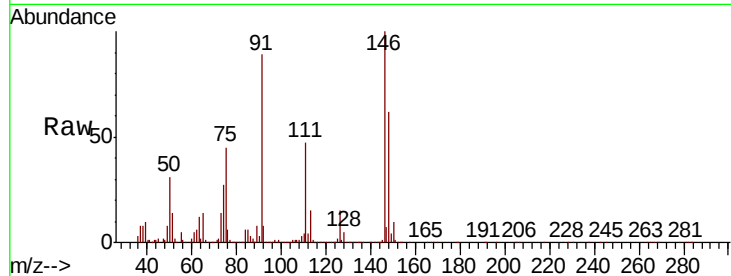
#75
 1,3-Dichlorobenzene
 Concen: 9.27 ppbv
 RT: 17.25 min Scan# 5027
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.6	73.8
148	63.4	31.6	95.0

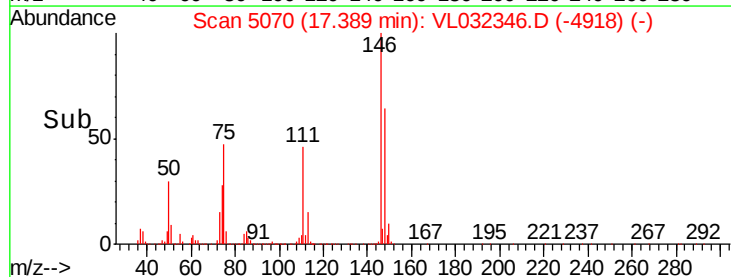
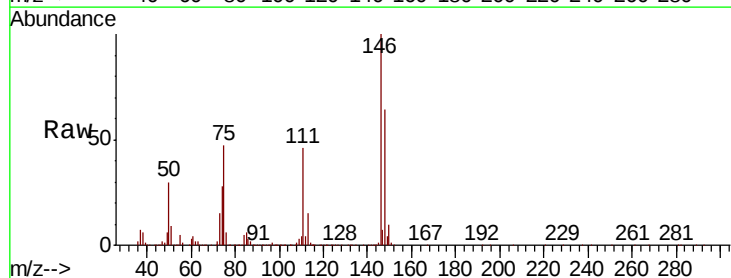
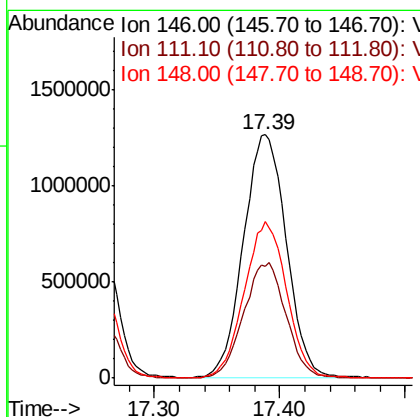
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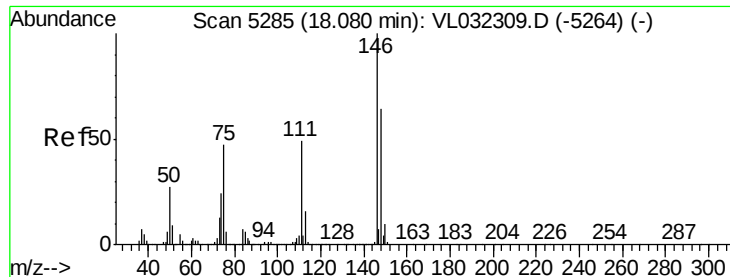
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#76
 1,4-Dichlorobenzene
 Concen: 9.82 ppbv
 RT: 17.39 min Scan# 5070
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.6	70.8
148	63.7	32.1	96.3





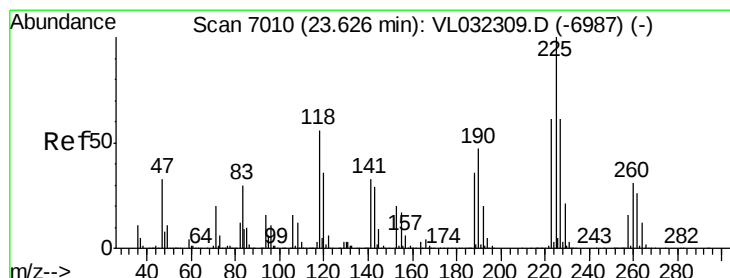
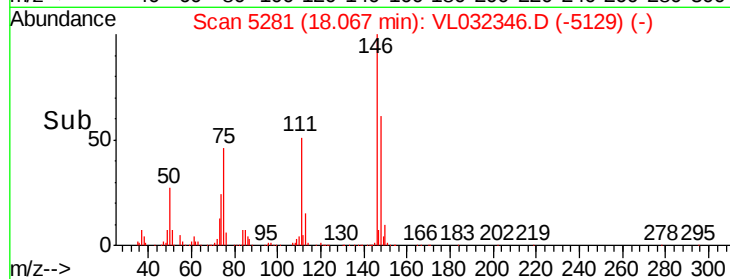
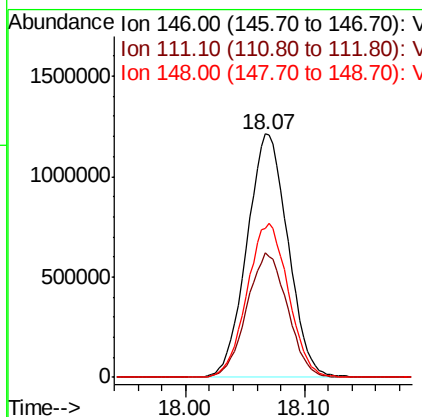
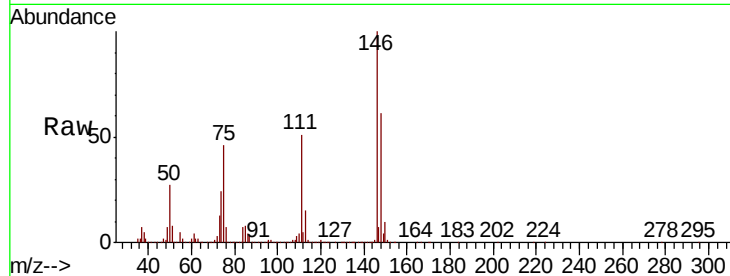
#77
 1,2-Dichlorobenzene
 Concen: 9.25 ppbv
 RT: 18.07 min Scan# 5281
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.1	75.3
148	63.8	31.9	95.7

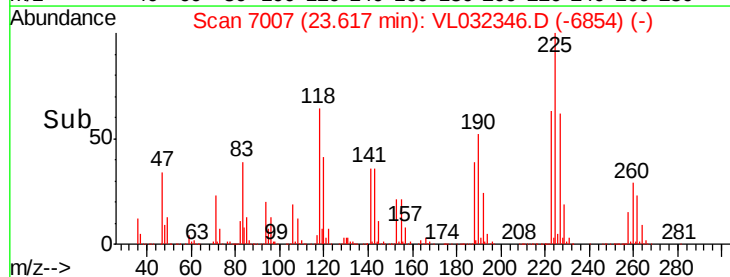
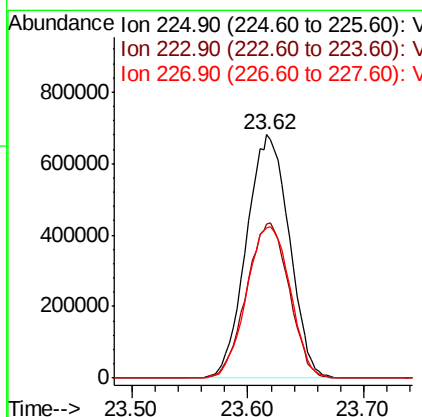
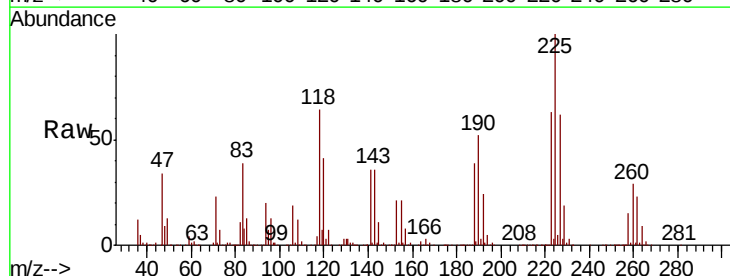
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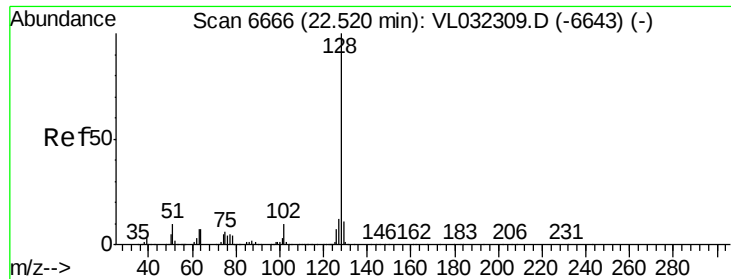
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 8/2/2018 2:05:12 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 15.86 ppbv
 RT: 23.62 min Scan# 7007
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.5	75.7
227	63.6	51.3	76.9





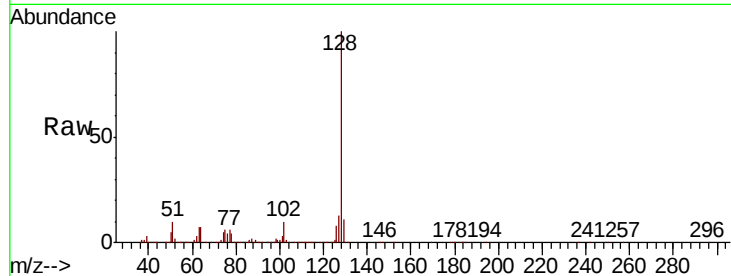
#79
Naphthalene
Concen: 10.56 ppbv
RT: 22.51 min Scan# 6662
Delta R.T. -0.01 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

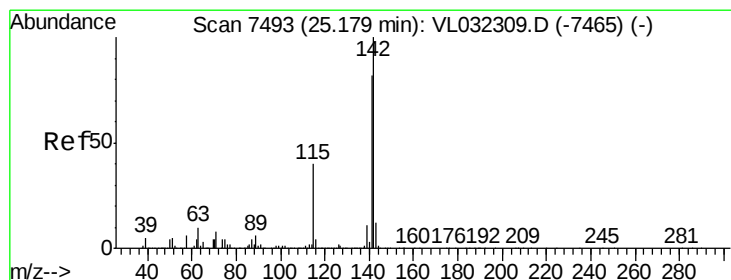
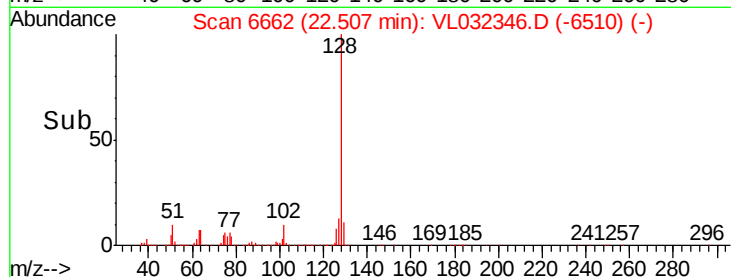
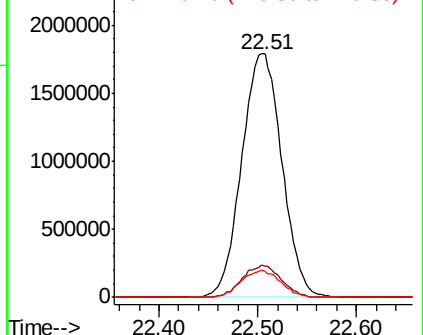
Tot Ion:	128	Resp:	5036852
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.7	8.8	13.2

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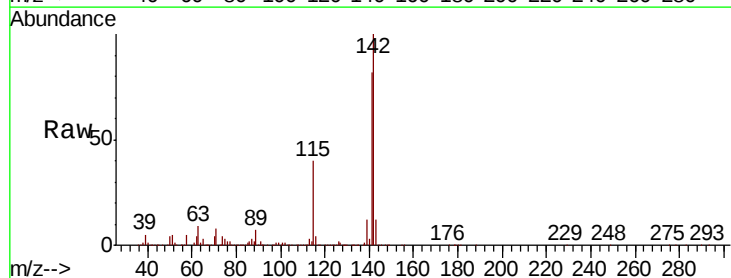


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

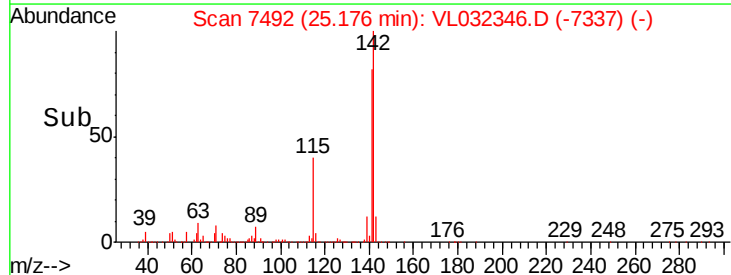
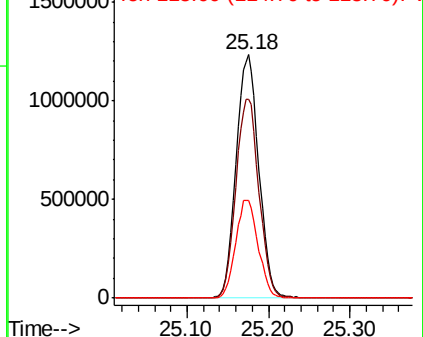


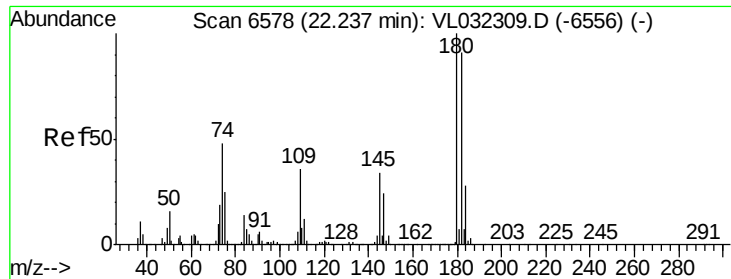
#80
Naphthalene, 2-methyl-
Concen: 12.64 ppbv
RT: 25.18 min Scan# 7492
Delta R.T. -0.00 min
Lab File: VL032346.D
Acq: 2 Aug 2018 11:53

Tgt Ion:	142	Resp:	2384455
Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.7	100.1
115	40.3	31.1	46.7



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.22 ppbv
 RT: 22.23 min Scan# 6575
 Delta R.T. -0.01 min
 Lab File: VL032346.D
 Acq: 2 Aug 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.2
184	31.1	24.3	36.5

Manual Integrations
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