

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032328.D
 Acq On : 1 Aug 2018 16:50
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:04:51 PM

Quant Time: Aug 02 00:55:55 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	1867336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4770054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4792344m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3770815	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1746886	7.76	ppbv	100
3) Chlorodifluoromethane	3.05	51	1808966	9.69	ppbv	99
4) Chloromethane	3.21	50	1091011	9.65	ppbv	99
5) Vinyl Chloride	3.34	62	1008233	9.81	ppbv	97
6) Bromomethane	3.56	94	547969	9.71	ppbv	95
7) Chloroethane	3.65	64	367573	10.06	ppbv	99
8) Dichlorotetrafluoroethane	3.26	85	2060606	9.06	ppbv	99
9) Propene	3.08	41	887321	10.57	ppbv	99
10) Heptane	8.32	43	3011997	10.22	ppbv	100
11) Trichlorofluoromethane	4.06	101	2035243	9.46	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1383985	9.42	ppbv	100
13) Ethanol	3.70	45	226874	9.40	ppbv	99
14) Bromoethene	3.84	108	654060	10.14	ppbv	99
15) Acetone	3.95	43	1811083	10.29	ppbv	99
16) 1,3-Butadiene	3.41	39	859188	9.42	ppbv	99
17) tert-Butyl alcohol	4.42	59	550270	9.84	ppbv	100
18) 1,1-Dichloroethene	4.41	96	666477	9.78	ppbv	97
19) Isopropyl Alcohol	4.08	45	1299052	11.06	ppbv	99
20) Methylene Chloride	4.47	84	621621	8.79	ppbv	98
21) Allyl Chloride	4.54	41	1240424	10.33	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	701039	10.67	ppbv	99
23) Vinyl Acetate	5.22	43	3374550	10.69	ppbv	99
24) 1,1-Dichloroethane	5.15	63	2155057	9.52	ppbv	100
25) Ethyl Acetate	5.84	43	3759380	9.52	ppbv	100
26) Hexane	5.85	57	1709293	9.56	ppbv	99
27) Carbon Disulfide	4.68	76	1712448	10.54	ppbv	98
28) Methyl tert-Butyl Ether	5.18	73	2570952	10.64	ppbv	100
29) Chloroform	5.92	83	2441379	9.39	ppbv	100
30) Cyclohexane	7.32	84	1738071	12.47	ppbv	99
31) cis-1,2-Dichloroethene	5.71	61	1748243	10.55	ppbv	98
32) 1,1,1-Trichloroethane	6.69	97	2430318	10.56	ppbv	100
34) 2-Butanone	5.39	43	2618748	8.48	ppbv	100
35) Carbon Tetrachloride	7.21	117	2846086	10.50	ppbv	99
36) Benzene	7.08	78	3576454	8.51	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2024513	8.33	ppbv	99
38) Trichloroethene	8.04	130	1382749	8.51	ppbv	97
39) 1,2-Dichloropropane	7.81	63	1758096	8.31	ppbv	97
40) 1,4-Dioxane	8.03	88	534837	8.61	ppbv #	1
41) Tetrahydrofuran	6.22	42	1567611	8.98	ppbv	100
42) Bromodichloromethane	7.99	83	3267138	8.31	ppbv	98
43) Methyl Methacrylate	8.21	69	1819400	9.01	ppbv	100

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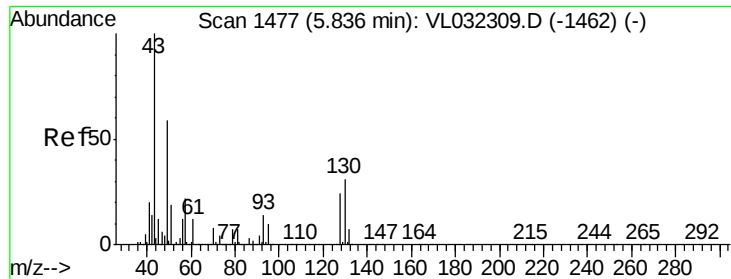
Manual Integrations
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Quant Time: Aug 02 00:55:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7444715	8.17	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2239380	9.58	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2651513	9.25	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1630631	7.93	ppbv	99
48) Dibromochloromethane	10.54	129	2543436	8.39	ppbv	100
49) Bromoform	13.29	173	2064297	8.27	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4650216	8.54	ppbv	100
51) 2-Hexanone	10.35	43	3772663	9.09	ppbv #	100
52) Tetrachloroethene	11.46	164	1219286	8.61	ppbv	99
53) Toluene	10.03	91	4656699	9.26	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2471773	8.46	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1799709	9.11	ppbv	99
57) Chlorobenzene	12.39	112	3278033	8.80	ppbv	98
58) Ethyl Benzene	12.95	91	6189884	10.30	ppbv	98
59) m/p-Xylene	13.23	91	9822809m	19.20	ppbv	
60) o-Xylene	13.93	91	4806558	9.58	ppbv	98
61) Styrene	13.77	104	3832899	10.38	ppbv	99
62) Isopropylbenzene	14.91	105	6818747	9.57	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3559419	8.72	ppbv	100
64) n-propylbenzene	15.81	120	1758996	9.48	ppbv	97
65) tert-Butylbenzene	16.99	119	5604106	9.31	ppbv	99
66) Benzyl Chloride	17.24	91	3628058	10.11	ppbv	100
67) sec-Butylbenzene	17.54	105	8405907	9.33	ppbv	99
69) p-Isopropyltoluene	17.90	119	6641871	9.51	ppbv	99
70) n-Butylbenzene	18.80	91	7408060	9.19	ppbv	99
71) 2-Chlorotoluene	15.70	91	5478640	9.80	ppbv	99
72) 4-Ethyltoluene	16.08	105	5642547	10.04	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5362261	9.69	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5240407	8.98	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2891700	8.56	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2944162	9.08	ppbv	99
77) 1,2-Dichlorobenzene	18.07	146	2892157	8.71	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	1725623	14.79	ppbv	100
79) Naphthalene	22.51	128	5062898	10.00	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2133874	10.65	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2368231	9.36	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1867336

Ion Ratio Lower Upper

49 100

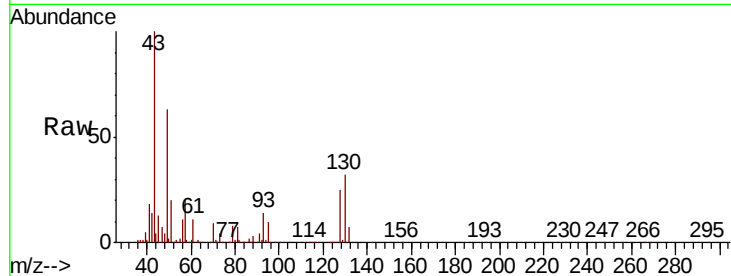
128 39.8 20.2 60.6

130 50.0 25.8 77.3

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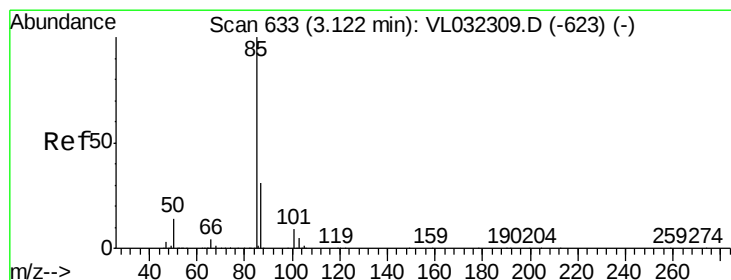
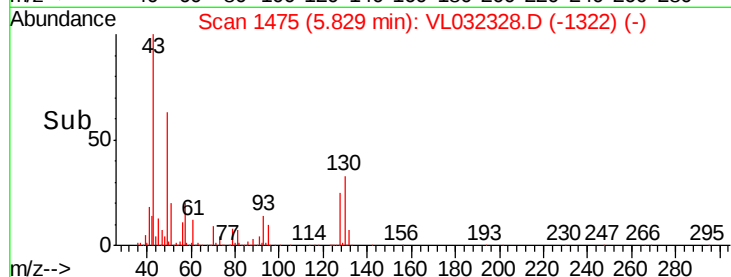
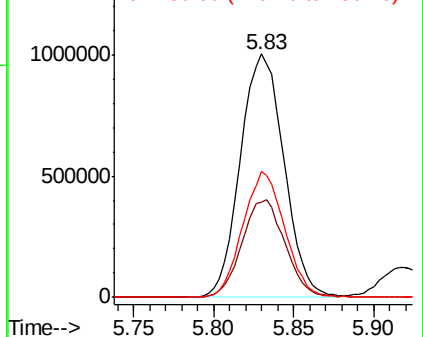
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.76 ppbv

RT: 3.12 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032328.D

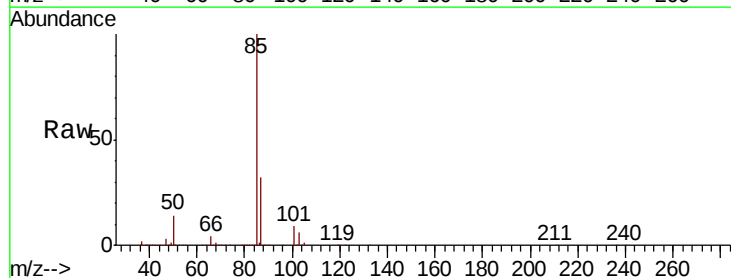
Acq: 1 Aug 2018 16:50

Tgt Ion: 85 Resp: 1746886

Ion Ratio Lower Upper

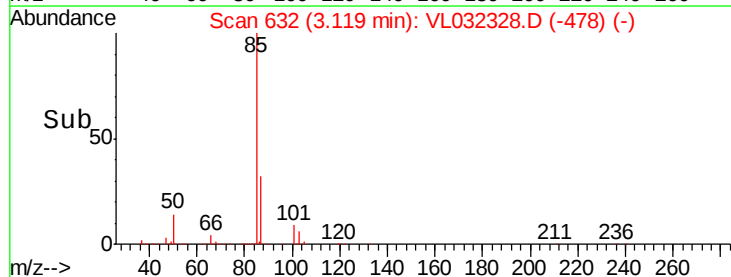
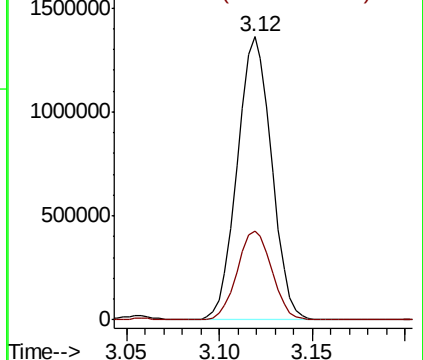
85 100

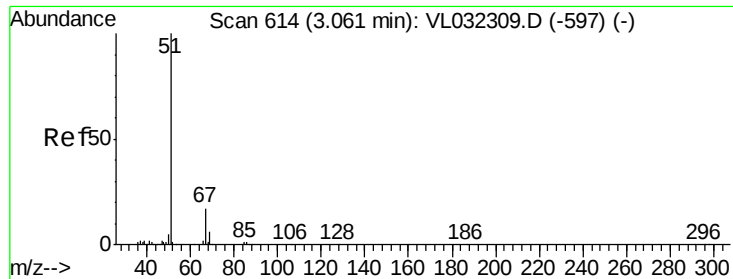
87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.69 ppbv

RT: 3.05 min Scan# 612

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1808966

Ion Ratio Lower Upper

51 100

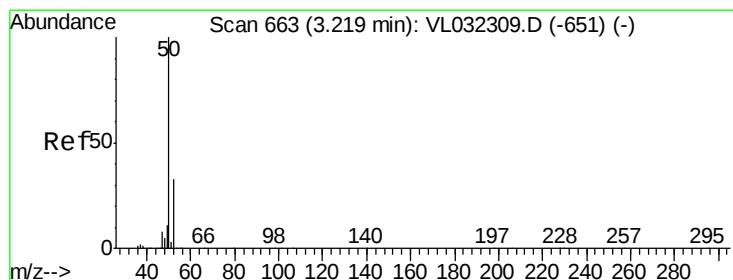
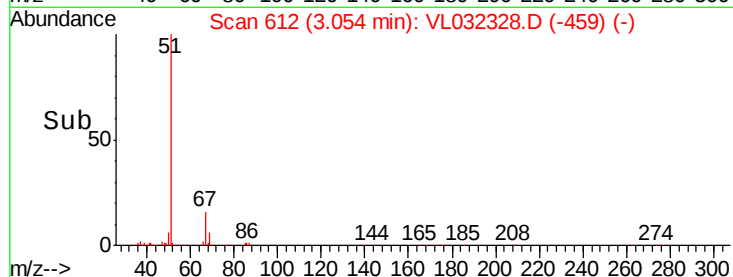
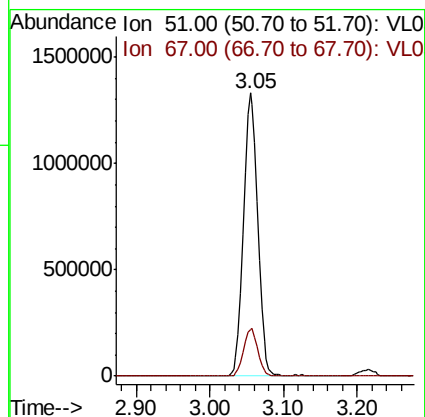
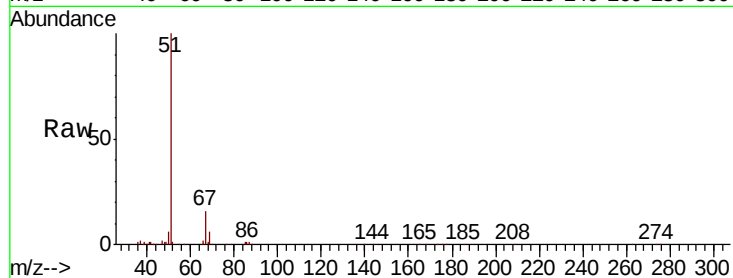
67 16.7 13.5 20.3

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#4

Chloromethane

Concen: 9.65 ppbv

RT: 3.21 min Scan# 661

Delta R.T. -0.01 min

Lab File: VL032328.D

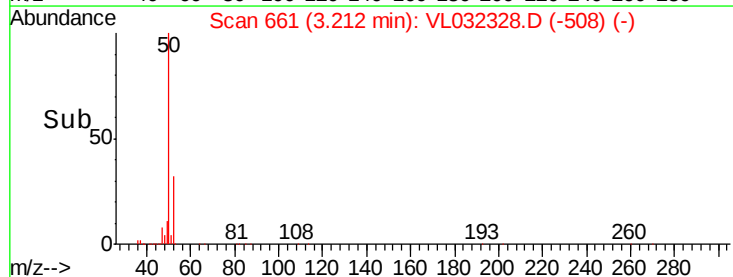
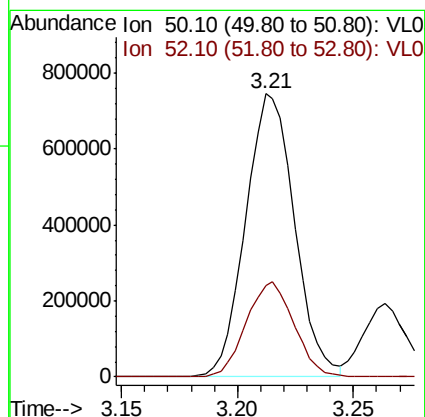
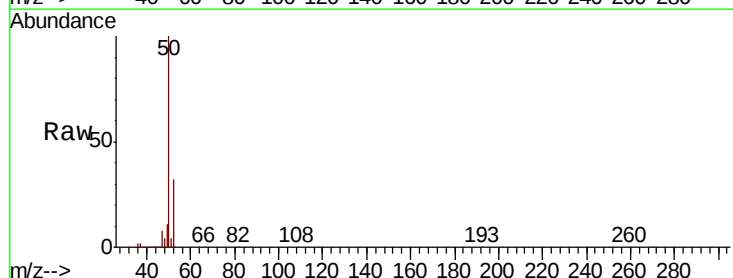
Acq: 1 Aug 2018 16:50

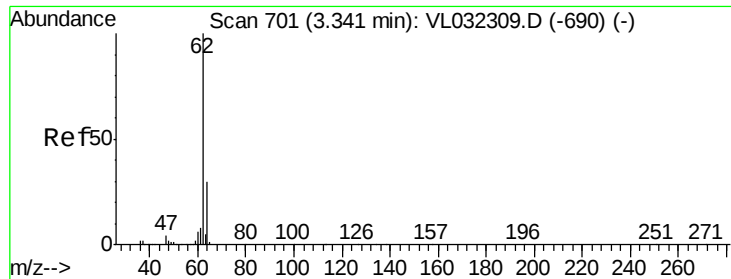
Tgt Ion: 50 Resp: 1091011

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4





#5

Vinyl Chloride

Concen: 9.81 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1008233

Ion Ratio Lower Upper

62 100

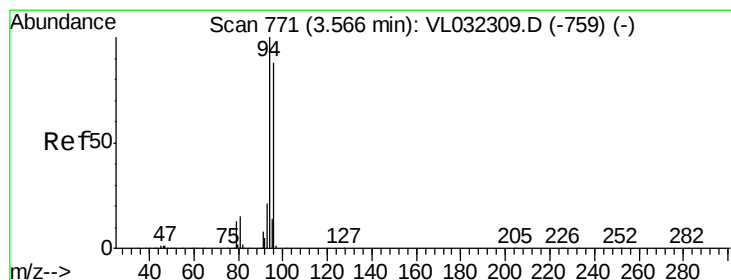
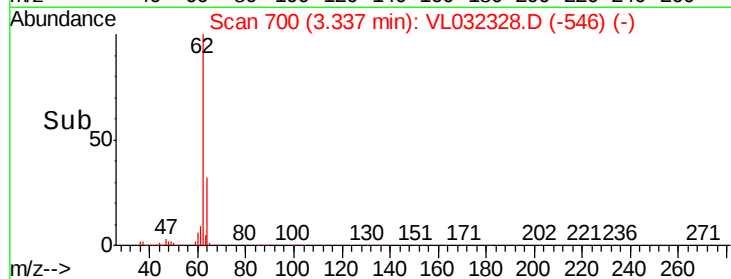
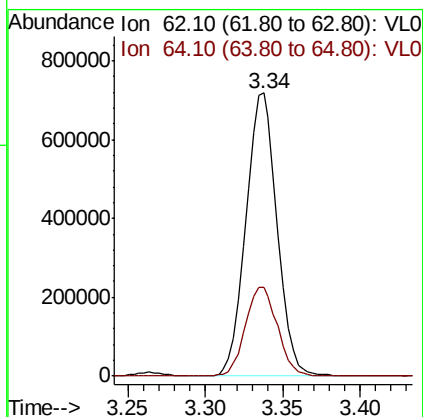
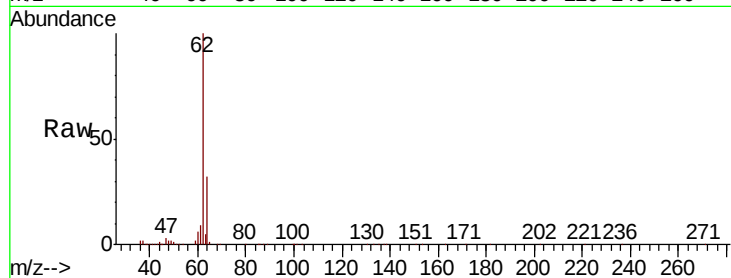
64 31.5 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 9.71 ppbv

RT: 3.56 min Scan# 770

Delta R.T. -0.00 min

Lab File: VL032328.D

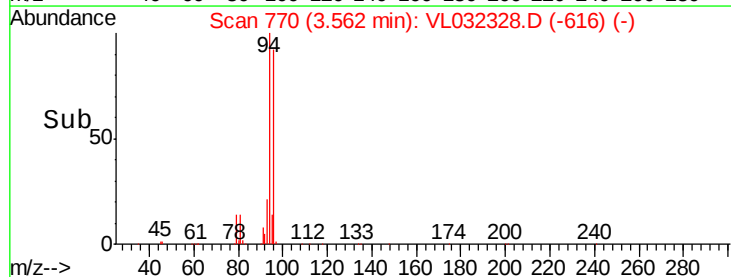
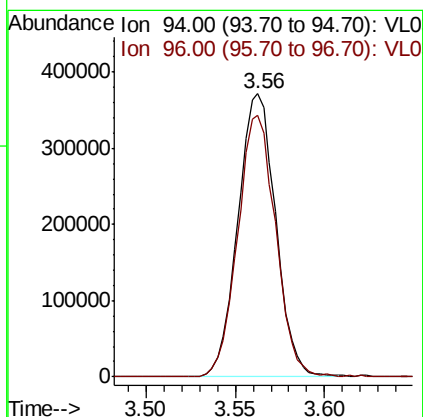
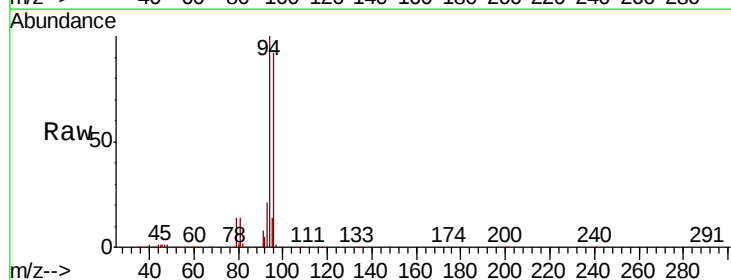
Acq: 1 Aug 2018 16:50

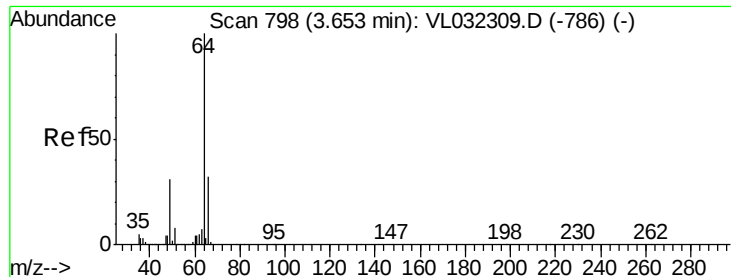
Tgt Ion: 94 Resp: 547969

Ion Ratio Lower Upper

94 100

96 92.4 70.2 105.4





#7

Chloroethane

Concen: 10.06 ppbv

RT: 3.65 min Scan# 797

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 367573

Ion Ratio Lower Upper

64 100

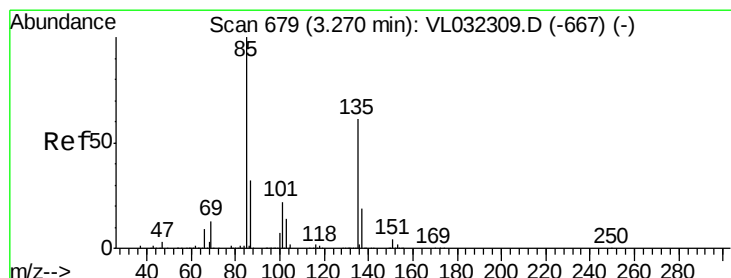
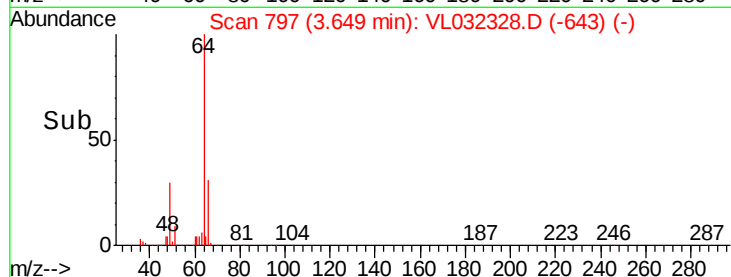
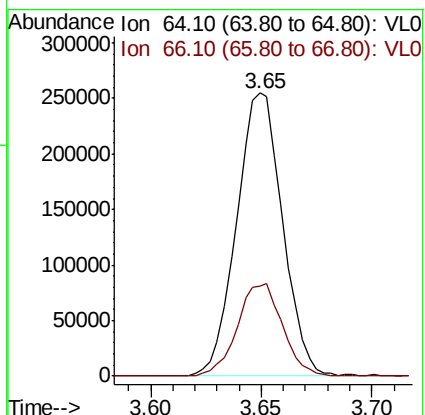
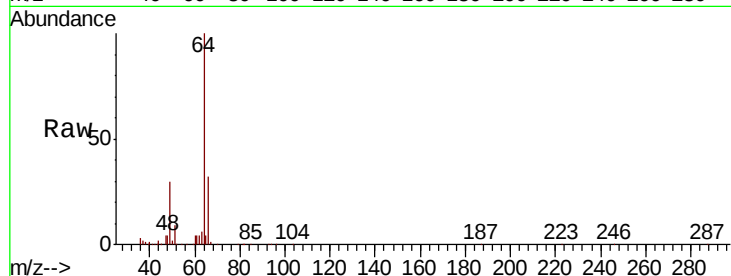
66 31.7 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.06 ppbv

RT: 3.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: VL032328.D

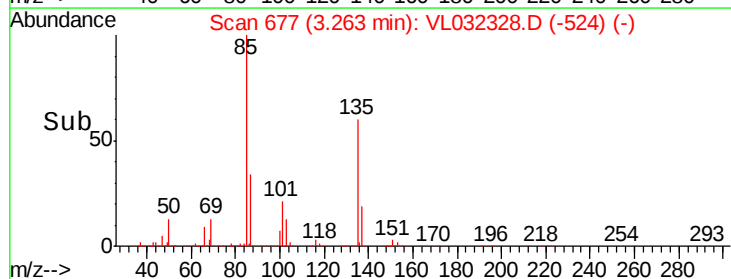
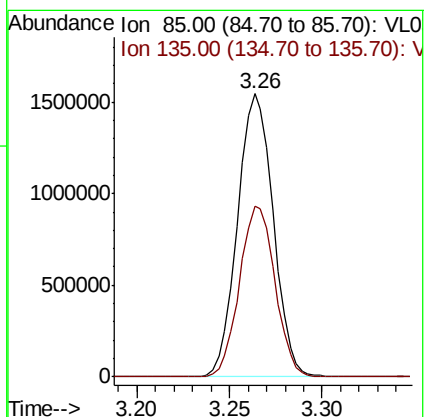
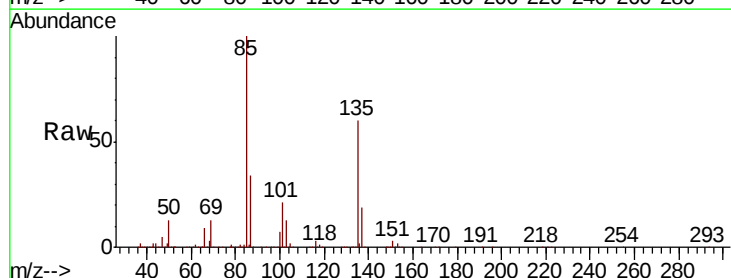
Acq: 1 Aug 2018 16:50

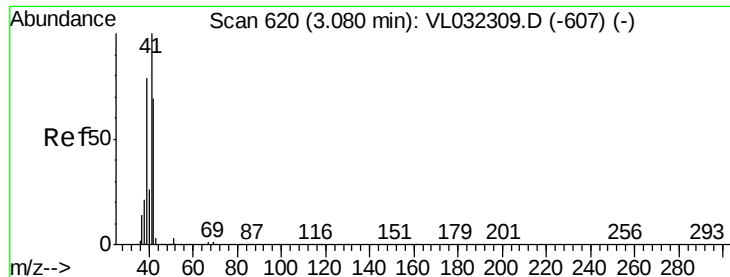
Tgt Ion: 85 Resp: 2060606

Ion Ratio Lower Upper

85 100

135 60.2 48.7 73.1





#9

Propene

Concen: 10.57 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 887321

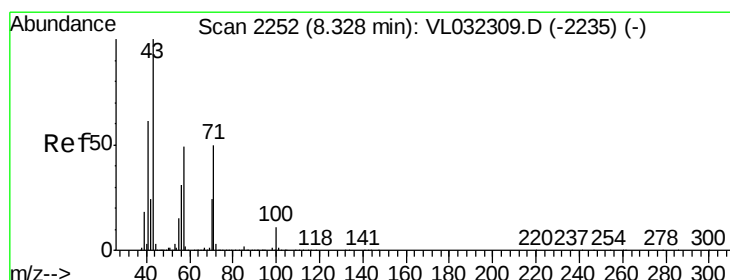
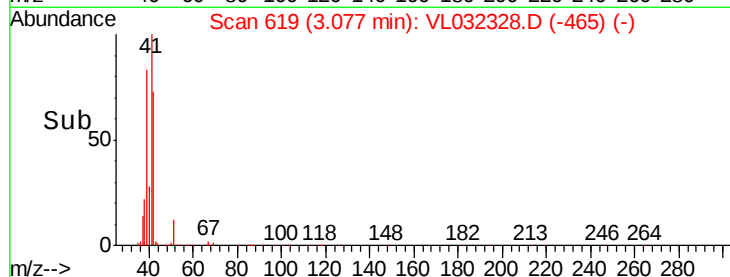
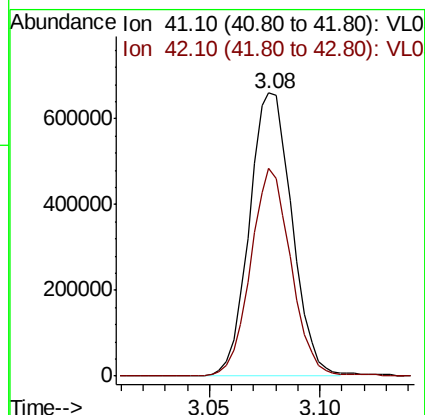
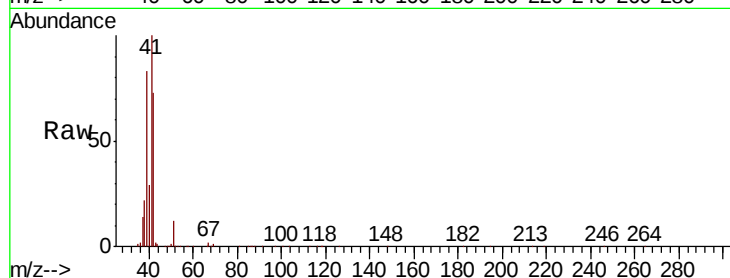
Ion Ratio Lower Upper

41 100

42 70.2 56.8 85.2

Manual Integrations
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#10

Heptane

Concen: 10.22 ppbv

RT: 8.32 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VL032328.D

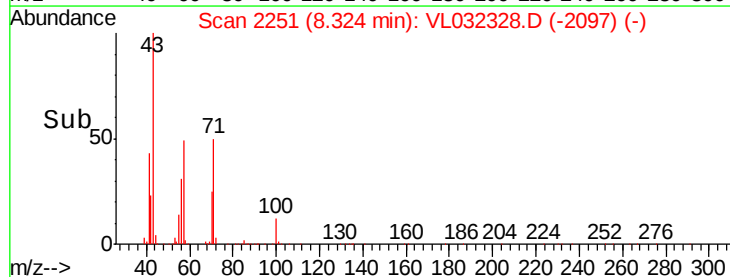
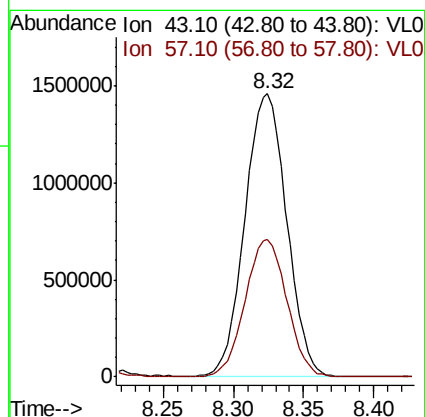
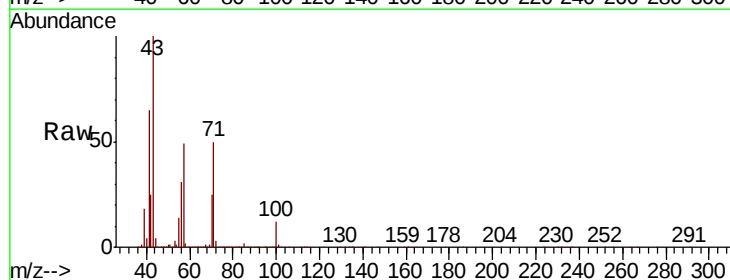
Acq: 1 Aug 2018 16:50

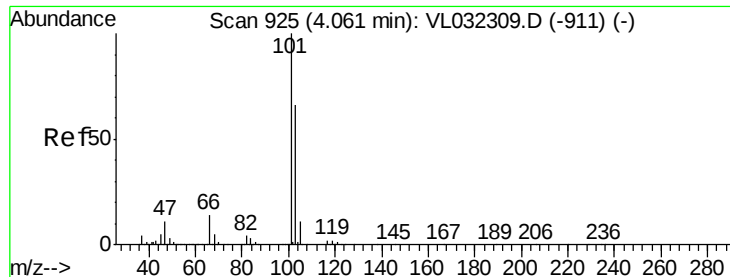
Tgt Ion: 43 Resp: 3011997

Ion Ratio Lower Upper

43 100

57 48.7 39.0 58.4





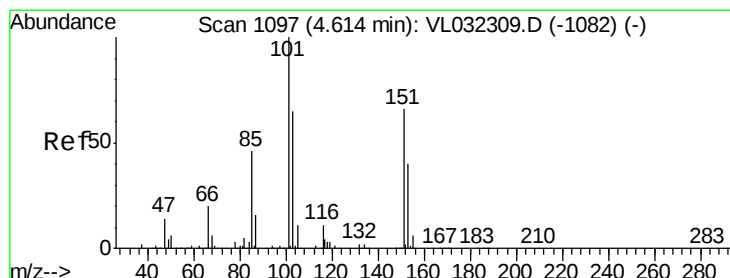
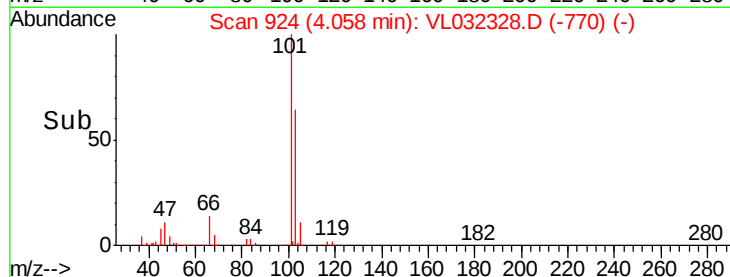
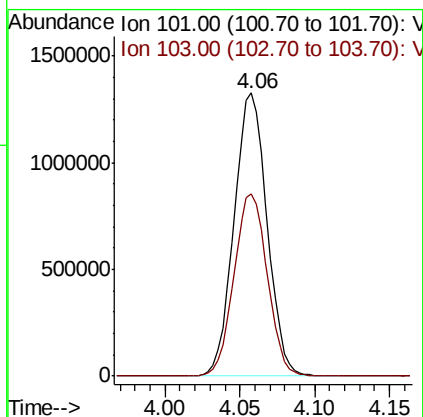
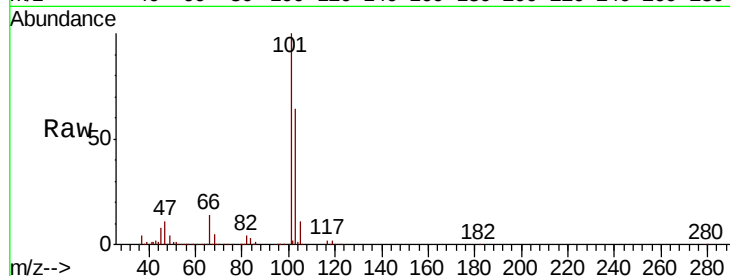
#11
 Trichlorofluoromethane
 Concen: 9.46 ppbv
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2035243
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 78.8

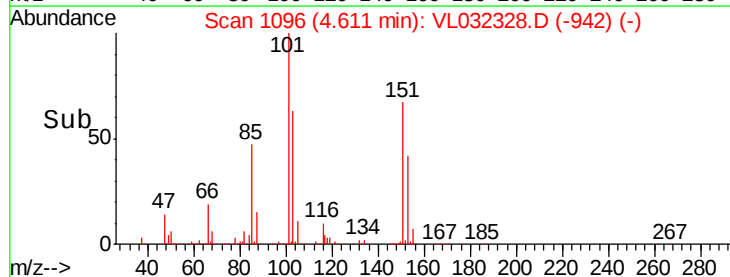
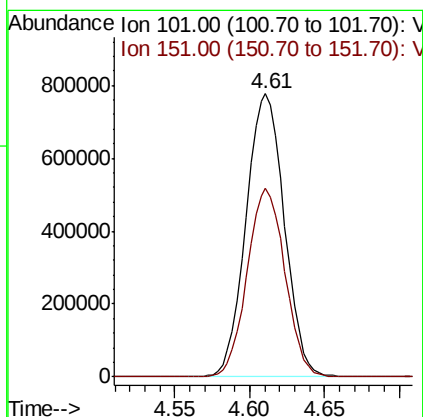
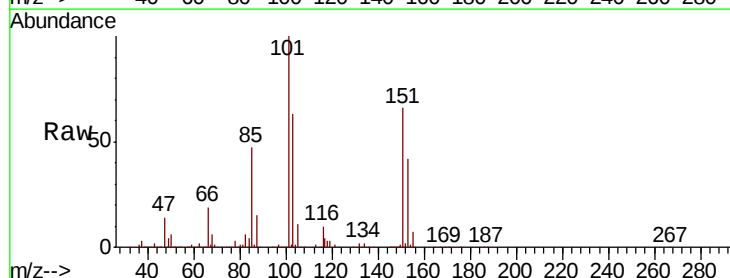
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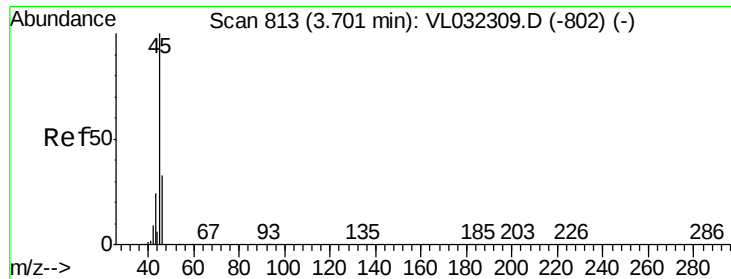
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.42 ppbv
 RT: 4.61 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:101 Resp: 1383985
 Ion Ratio Lower Upper
 101 100
 151 65.7 52.4 78.6





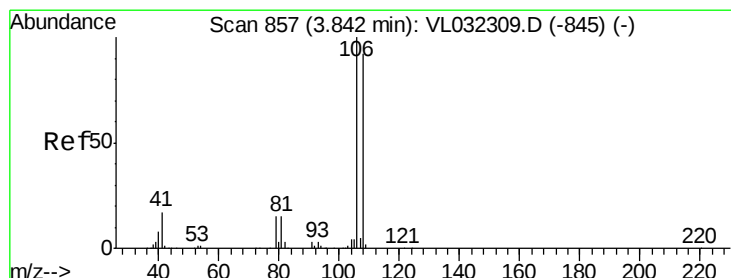
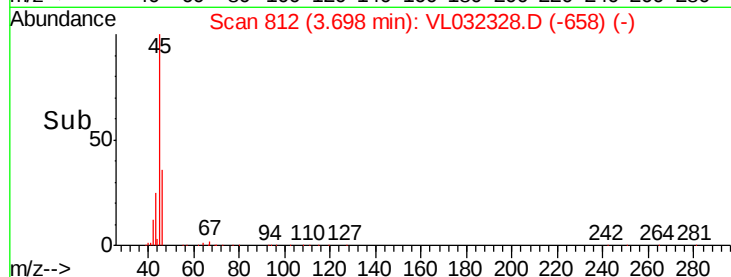
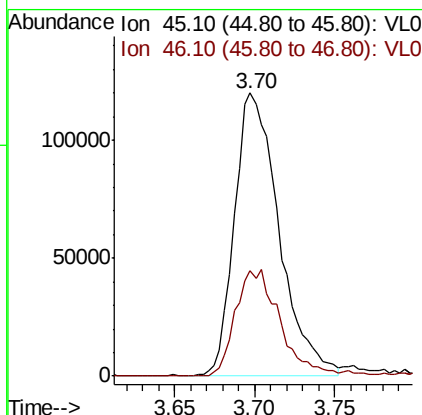
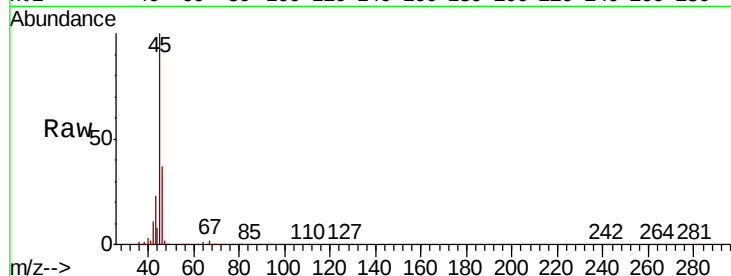
#13
Ethanol
Concen: 9.40 ppbv
RT: 3.70 min Scan# 812
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	226874
Ion Ratio	100	Lower	Upper
45	100		
46	38.6	15.2	60.6

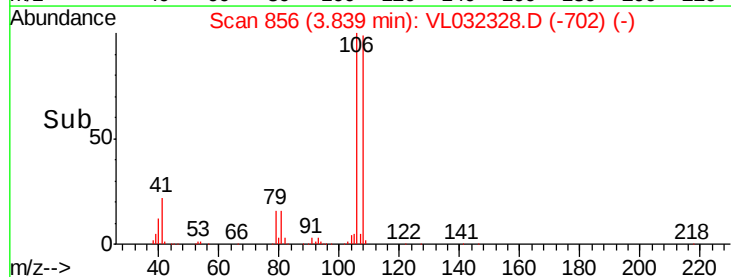
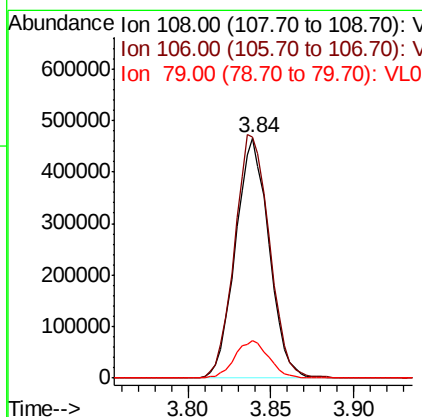
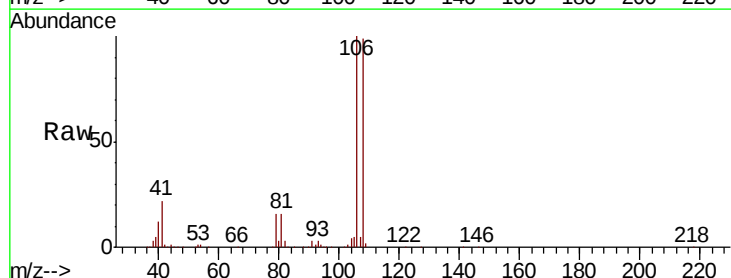
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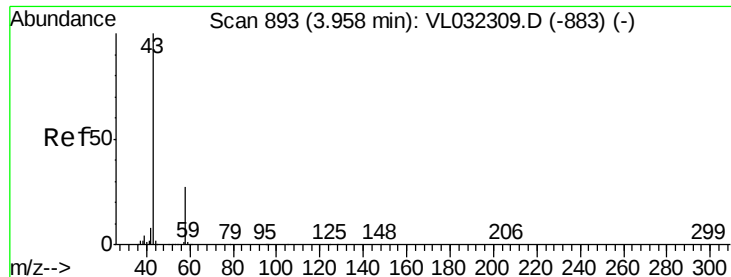
MMDadoda
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#14
Bromoethene
Concen: 10.14 ppbv
RT: 3.84 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion	108	Resp	654060
Ion Ratio	100	Lower	Upper
108	100		
106	106.0	86.0	129.0
79	16.2	12.8	19.2





#15

Acetone

Concen: 10.29 ppbv

RT: 3.95 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1811083

Ion Ratio Lower Upper

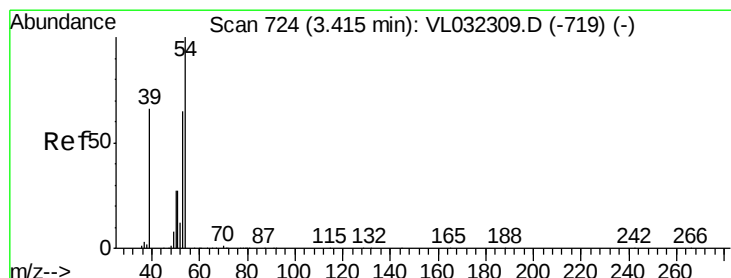
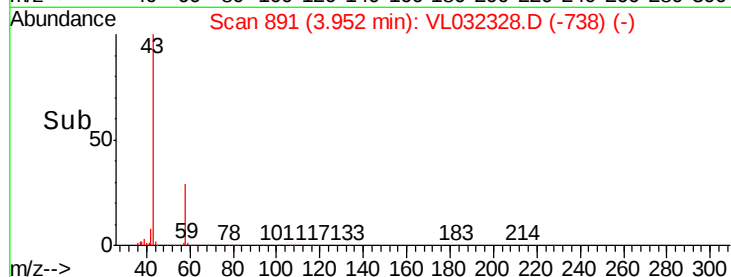
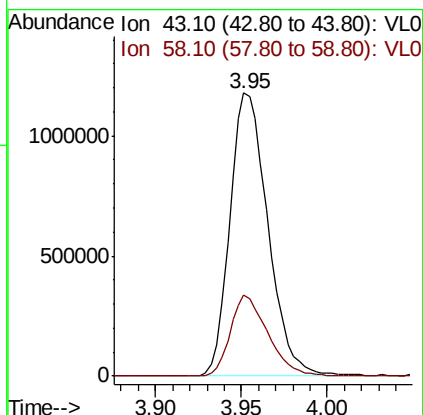
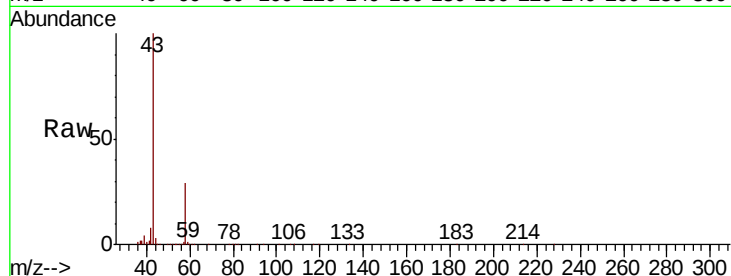
43 100

58 28.6 22.5 33.7

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#16

1,3-Butadiene

Concen: 9.42 ppbv

RT: 3.41 min Scan# 722

Delta R.T. -0.01 min

Lab File: VL032328.D

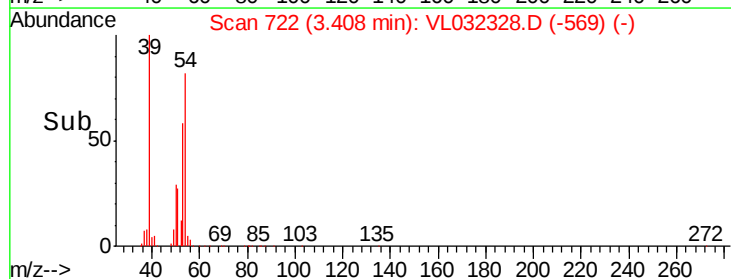
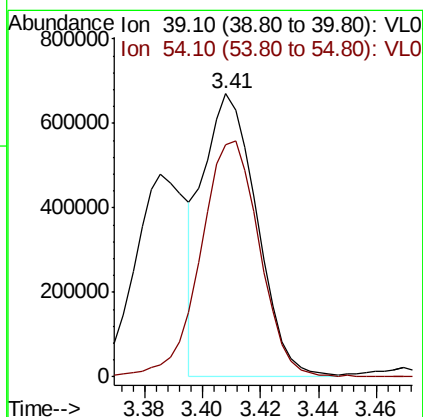
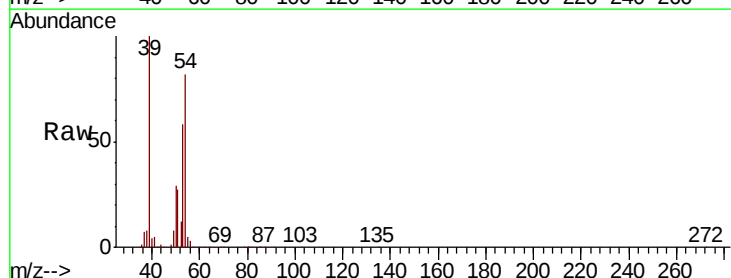
Acq: 1 Aug 2018 16:50

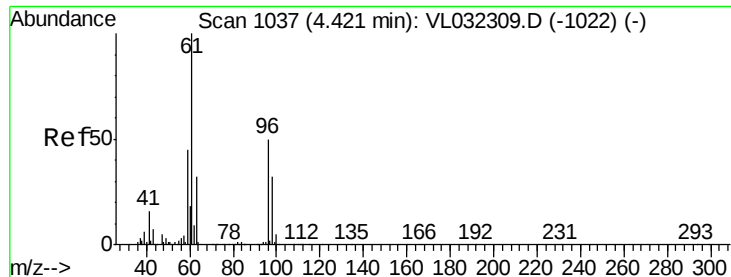
Tgt Ion: 39 Resp: 859188

Ion Ratio Lower Upper

39 100

54 92.2 74.3 111.5





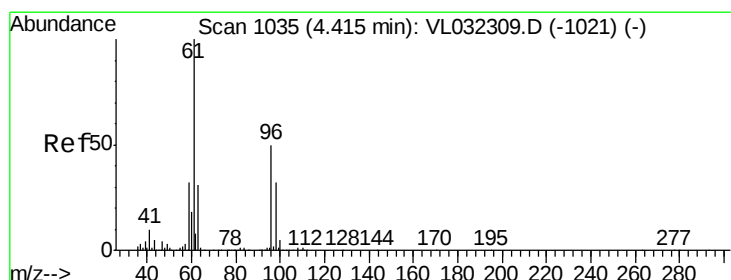
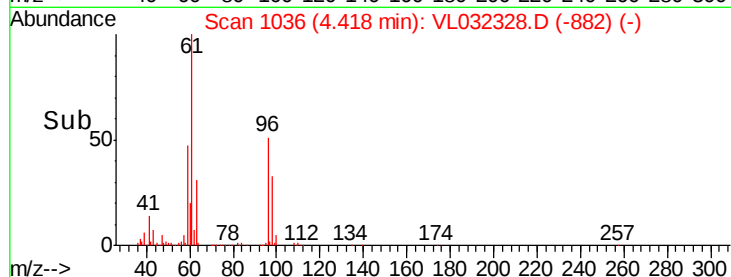
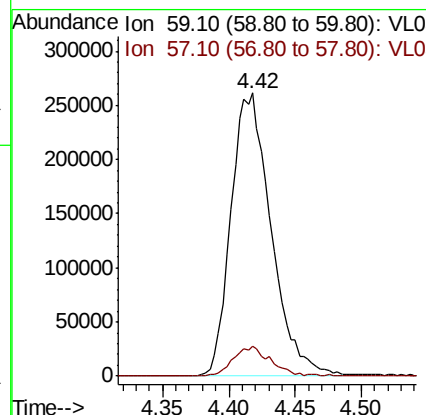
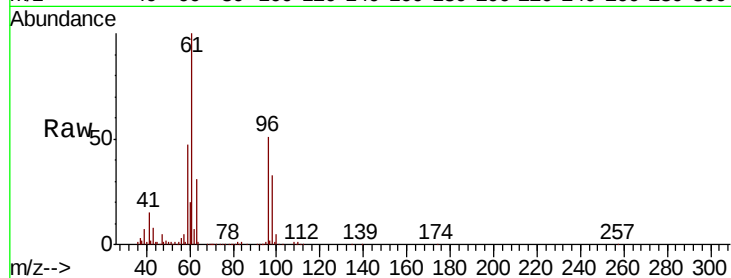
#17
 tert-Butyl alcohol
 Concen: 9.84 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	59	Resp	550270
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

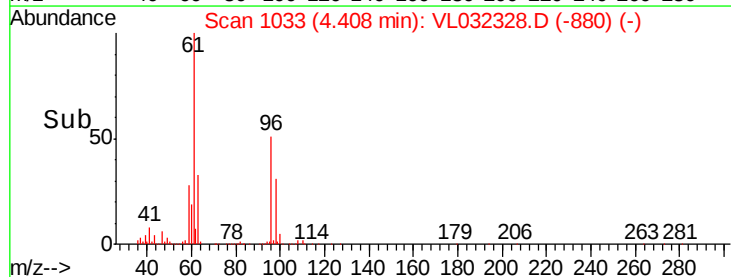
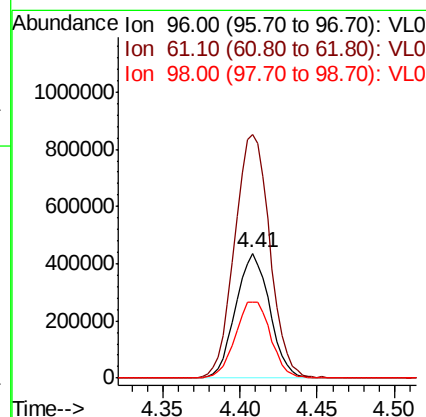
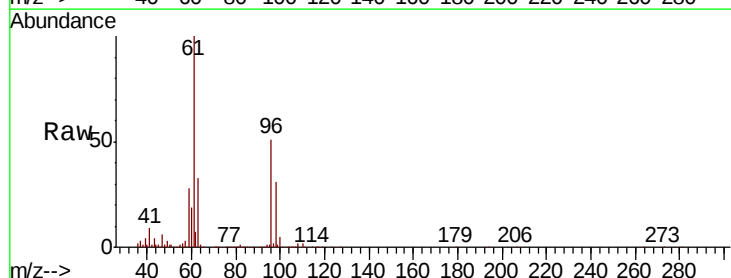
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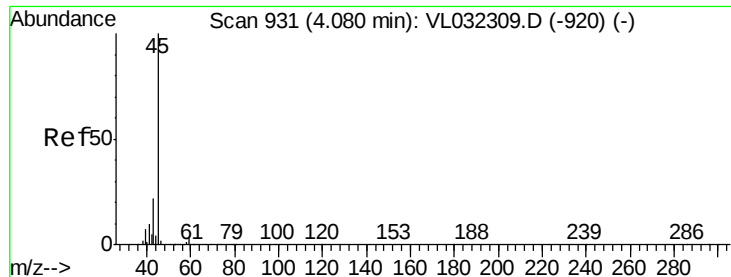
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#18
 1,1-Dichloroethene
 Concen: 9.78 ppbv
 RT: 4.41 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	96	Resp	666477
Ion	Ratio	Lower	Upper
96	100		
61	194.6	159.0	238.4
98	61.0	51.1	76.7





#19

Isopropyl Alcohol

Concen: 11.06 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 1299052

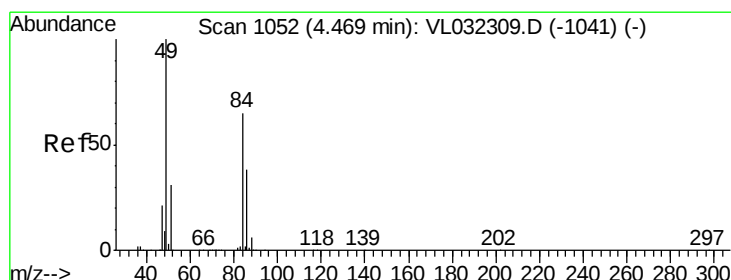
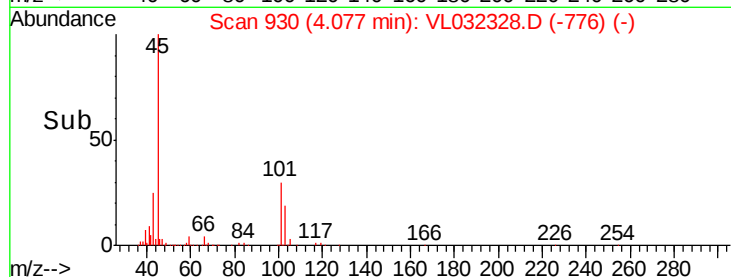
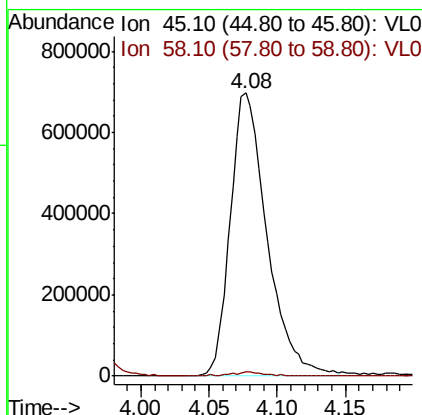
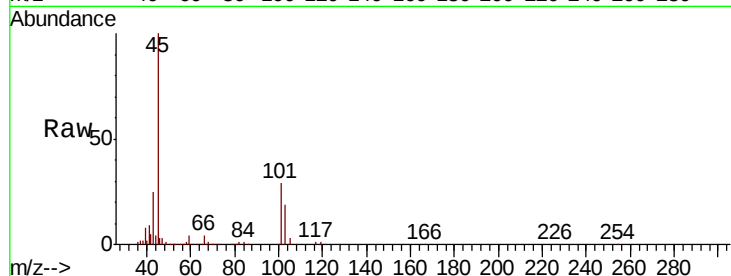
Ion Ratio Lower Upper

45 100

58 1.7 1.5 2.3

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#20

Methylene Chloride

Concen: 8.79 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion: 84 Resp: 621621

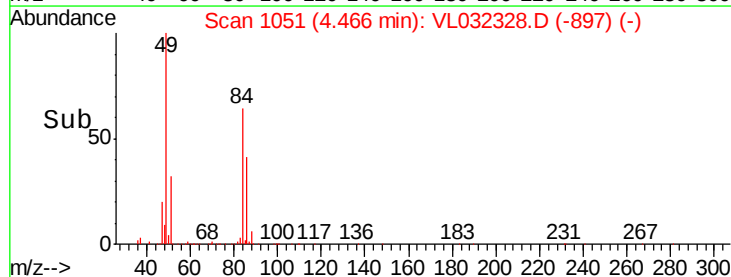
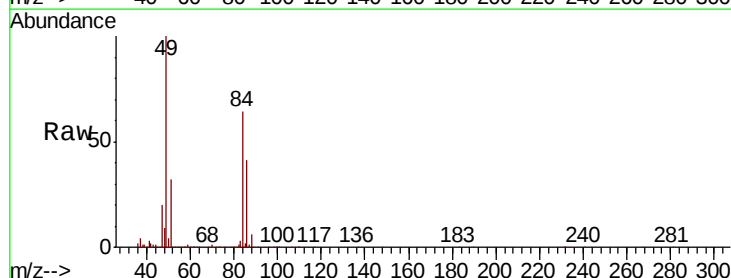
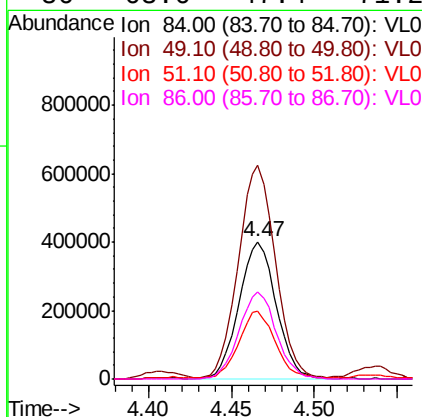
Ion Ratio Lower Upper

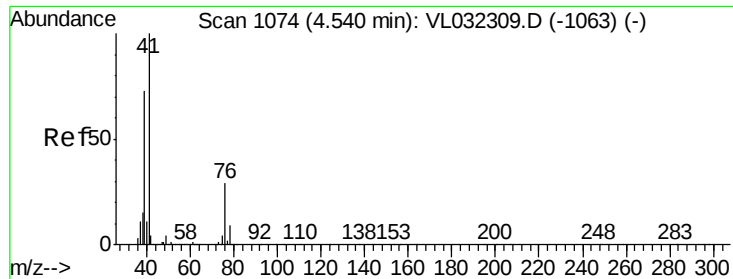
84 100

49 155.0 123.4 185.0

51 49.2 38.2 57.2

86 63.6 47.4 71.2





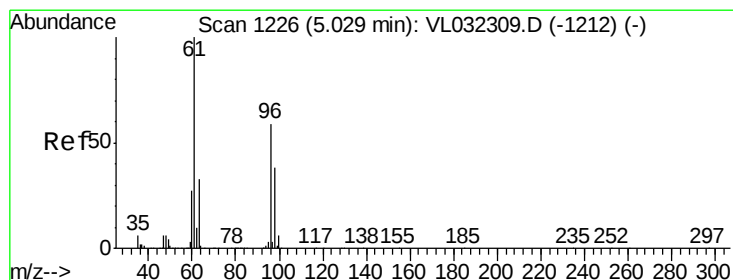
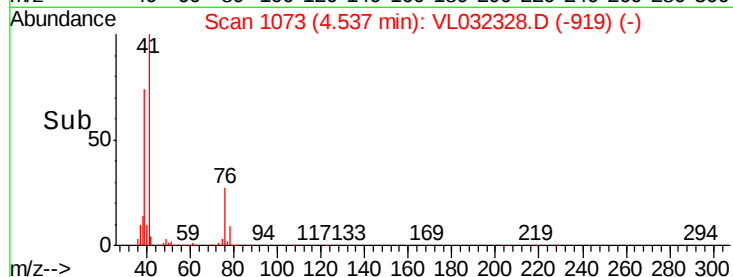
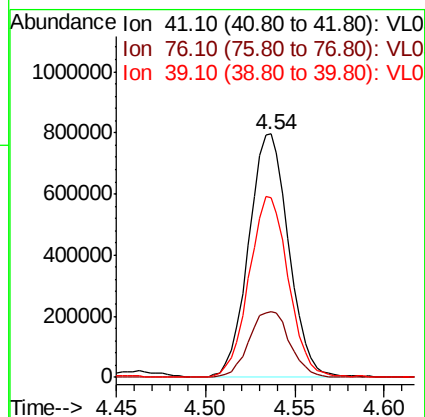
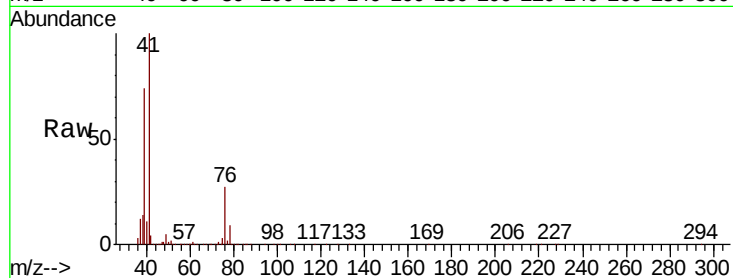
#21
Allvl Chloride
Concen: 10.33 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1240424
Ion Ratio Lower Upper
41 100
76 28.1 23.1 34.7
39 74.1 58.2 87.2

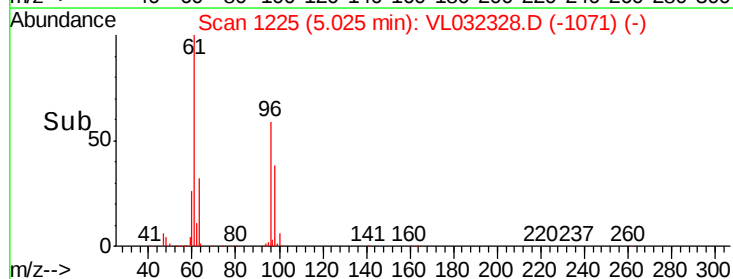
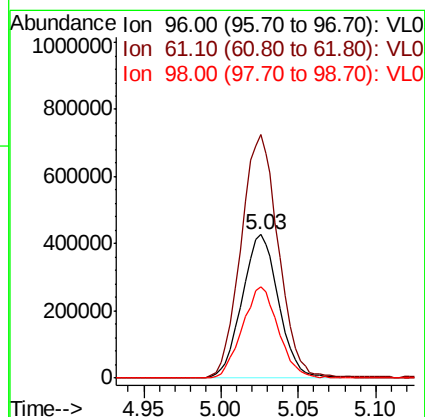
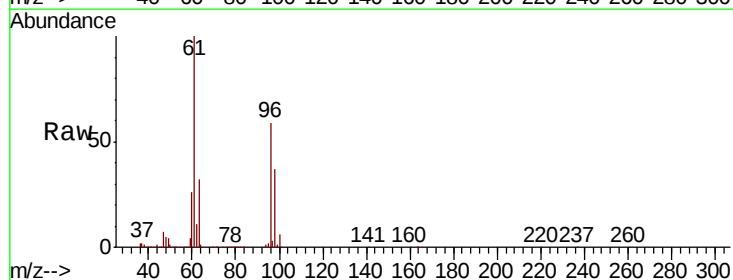
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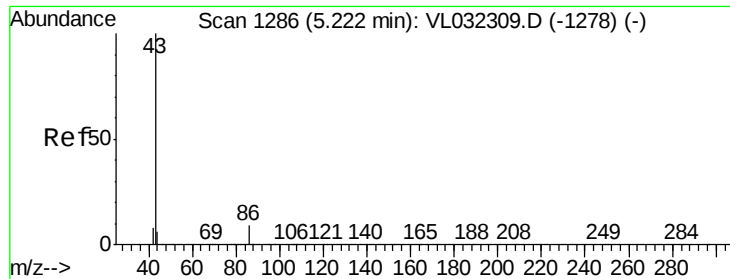
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#22
trans-1,2-Dichloroethene
Concen: 10.67 ppbv
RT: 5.03 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 96 Resp: 701039
Ion Ratio Lower Upper
96 100
61 169.9 136.5 204.7
98 63.5 51.3 76.9





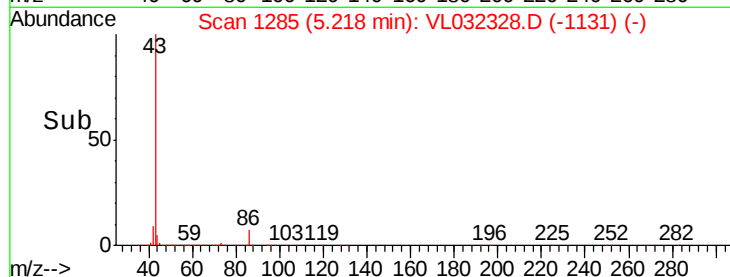
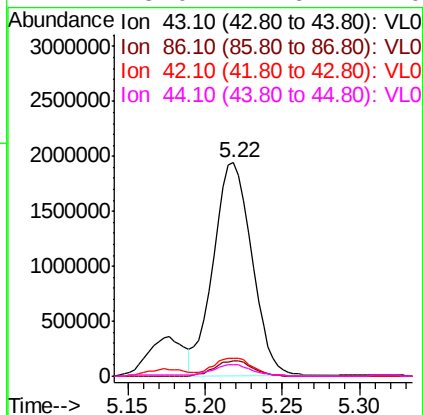
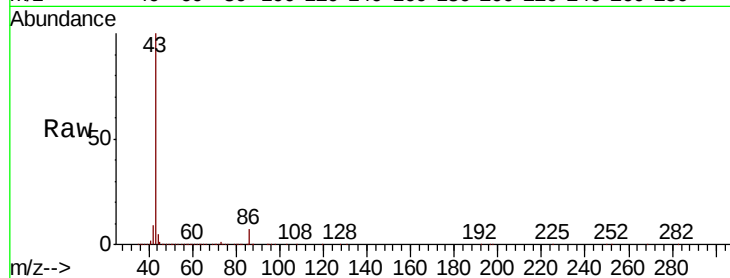
#23
 Vinyl Acetate
 Concen: 10.69 ppbv
 RT: 5.22 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.2	6.3	9.5	
42	8.6	7.0	10.4	
44	5.0	4.6	7.0	

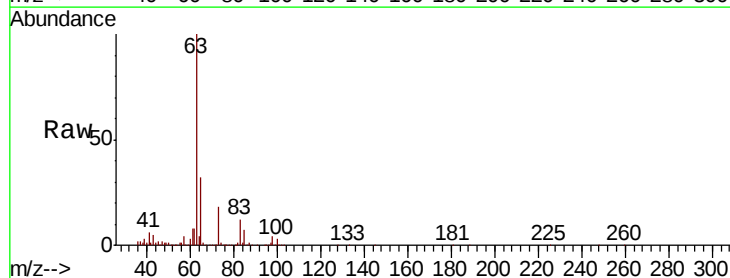
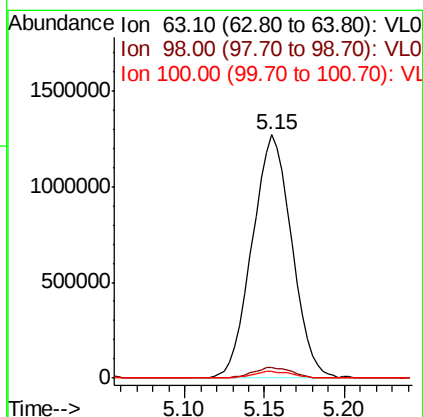
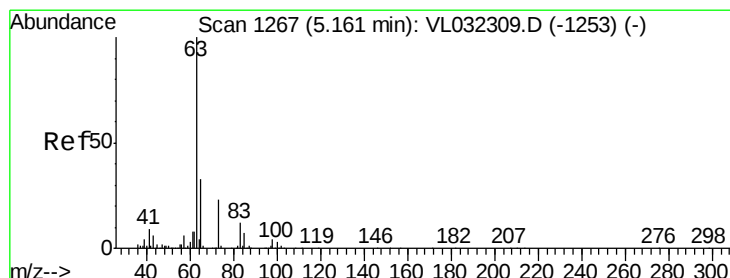
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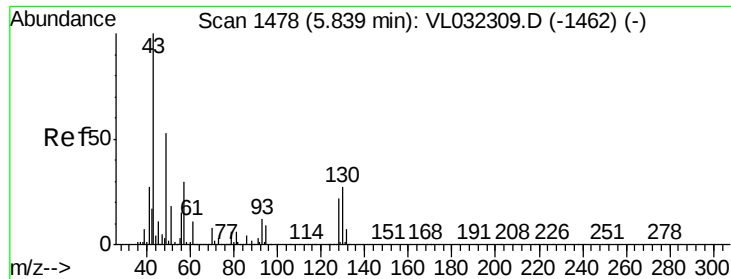
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#24
 1,1-Dichloroethane
 Concen: 9.52 ppbv
 RT: 5.15 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.7	1.3	3.8	





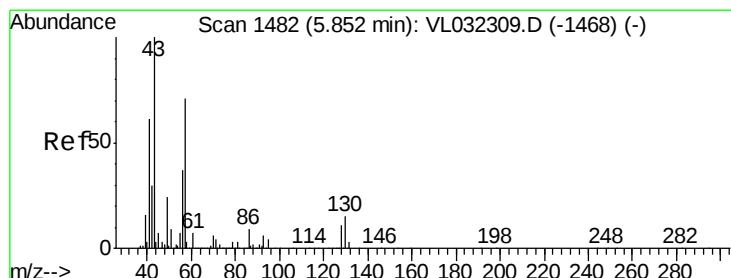
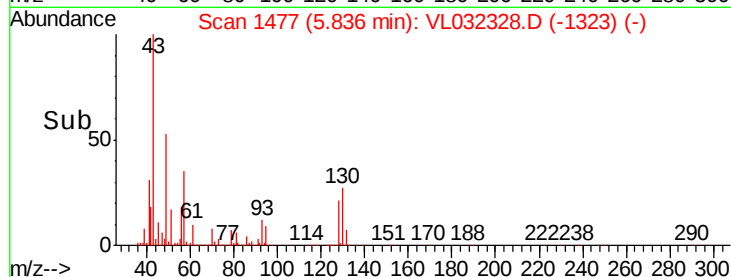
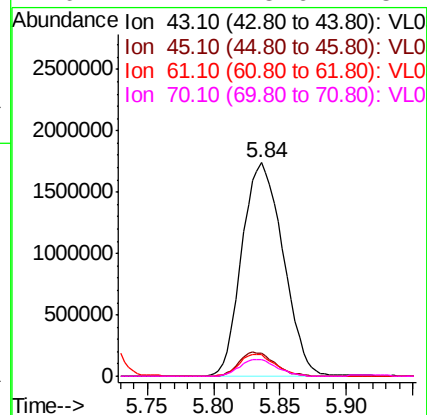
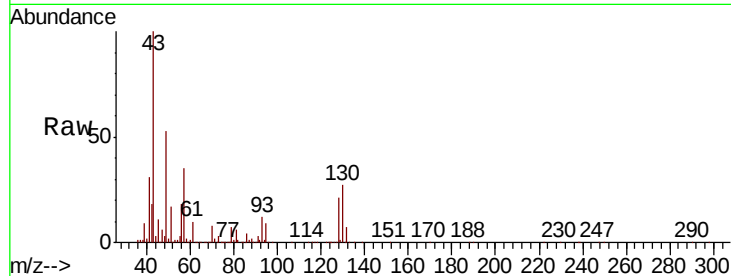
#25
Ethyl Acetate
Concen: 9.52 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	10.0	8.1	12.1
61	61	9.2	7.4	11.0
70	70	7.1	5.6	8.4

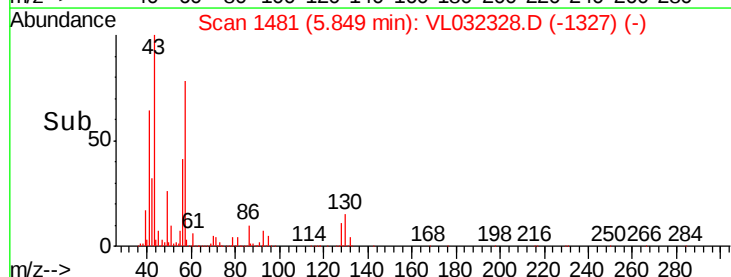
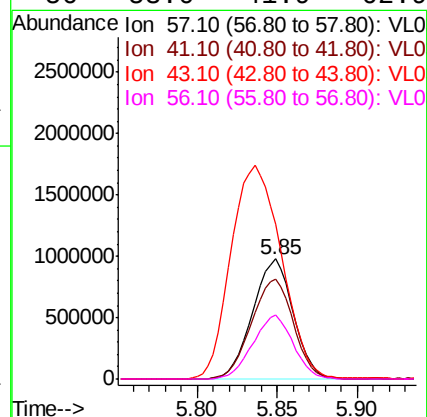
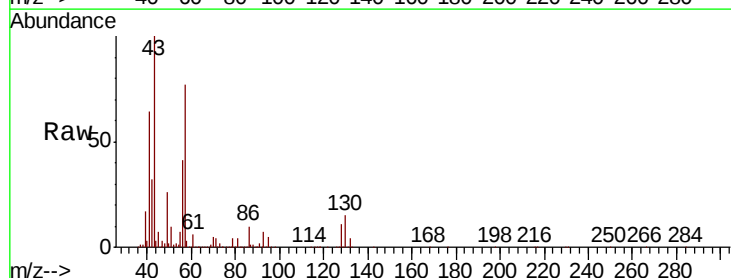
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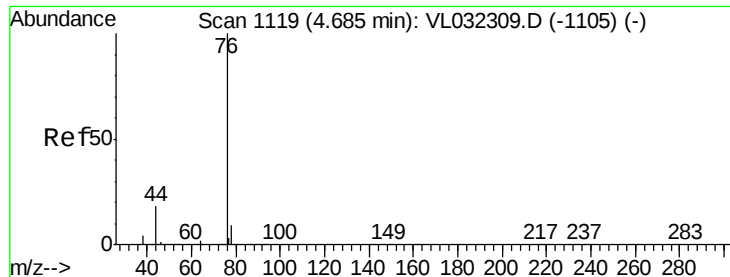
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#26
Hexane
Concen: 9.56 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	86.2	68.1	102.1
43	43	220.9	177.4	266.2
56	56	53.0	41.9	62.9





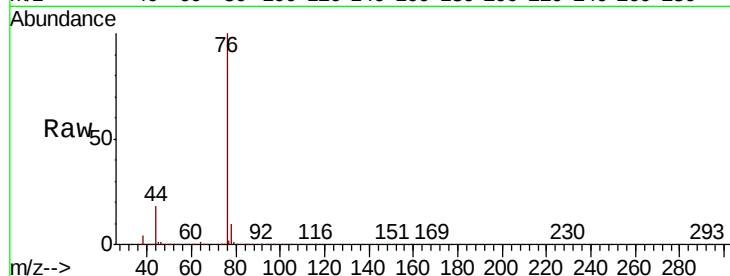
#27
Carbon Disulfide
Concen: 10.54 ppbv
RT: 4.68 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

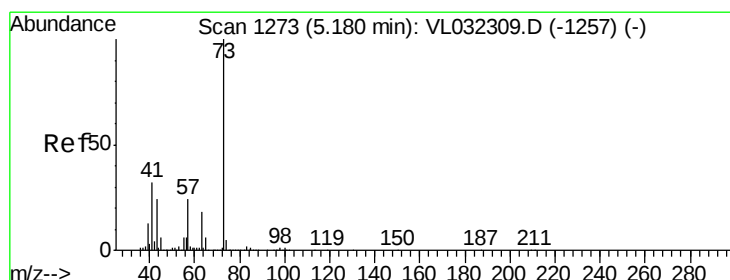
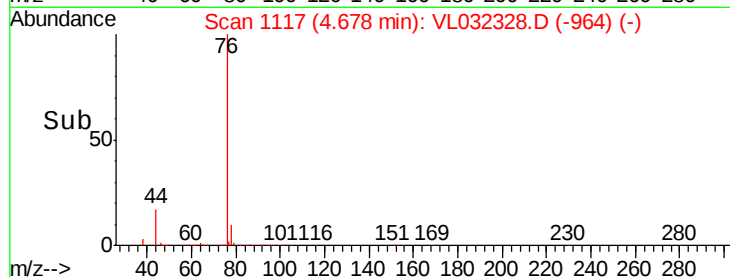
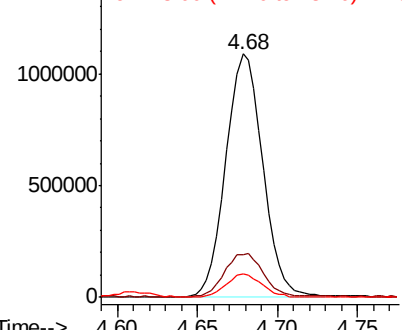
Tot Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.0	21.0
78	9.6	7.5	11.3

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8/2/2018 2:04:51 PM

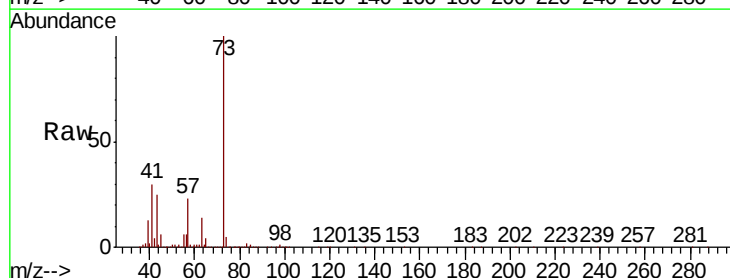


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

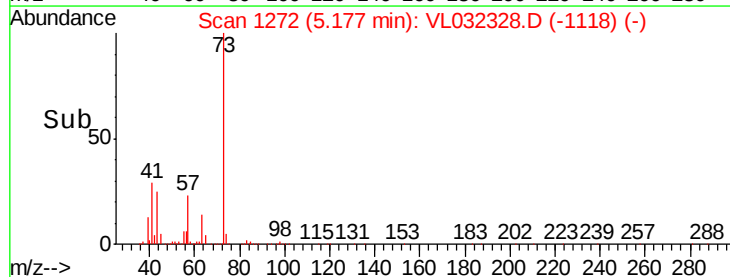
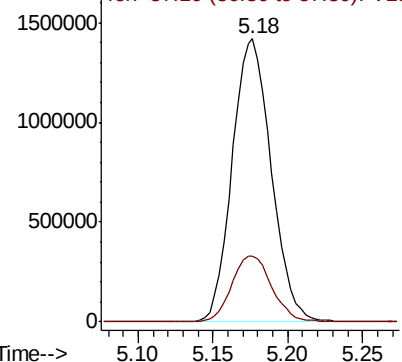


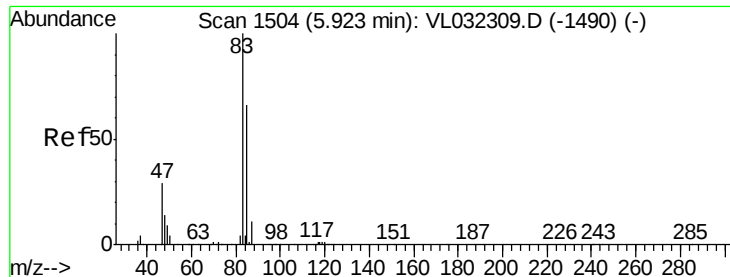
#28
Methyl tert-Butyl Ether
Concen: 10.64 ppbv
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.4	29.0



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





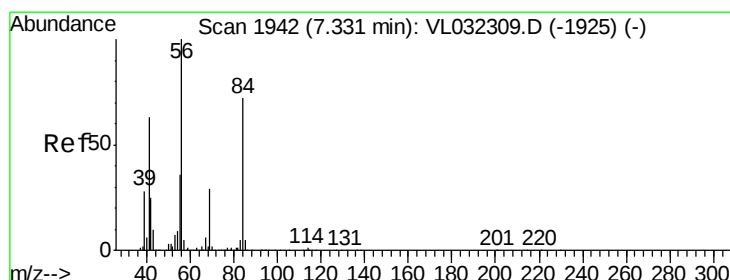
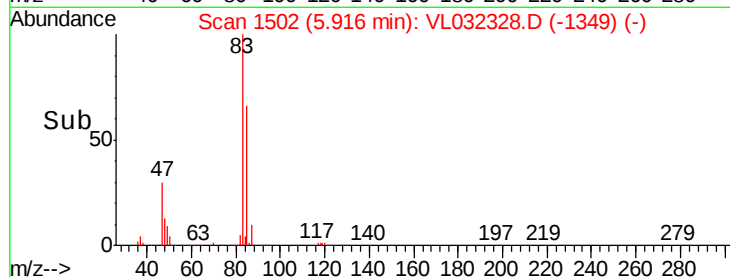
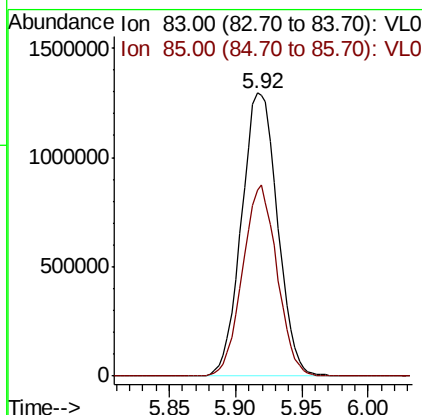
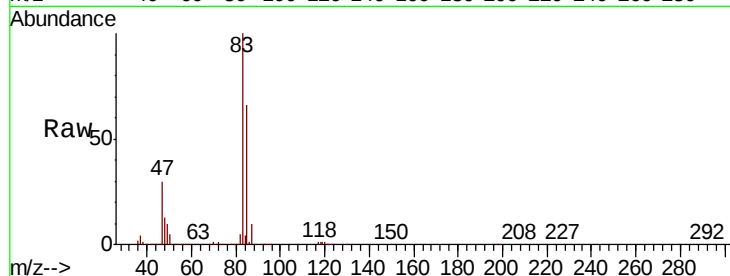
#29
Chloroform
Concen: 9.39 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2441379
Ion Ratio Lower Upper
83 100
85 65.8 52.9 79.3

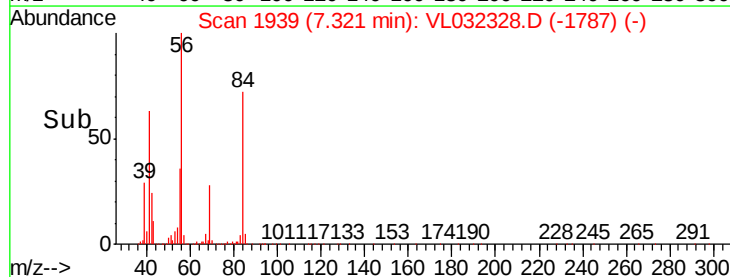
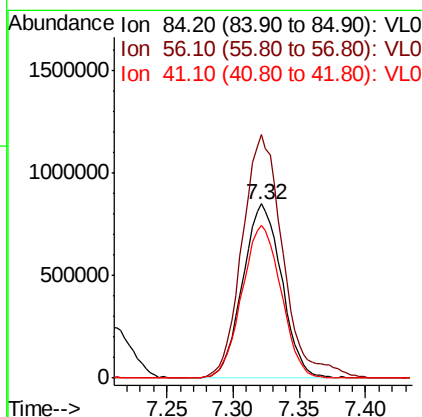
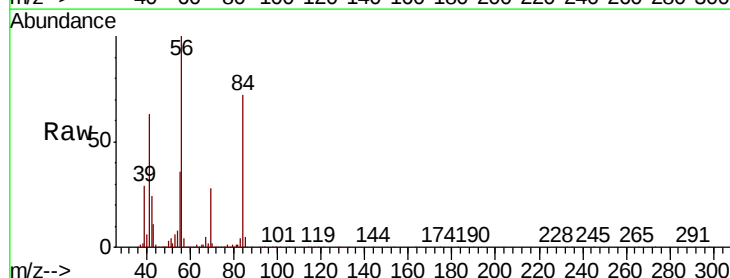
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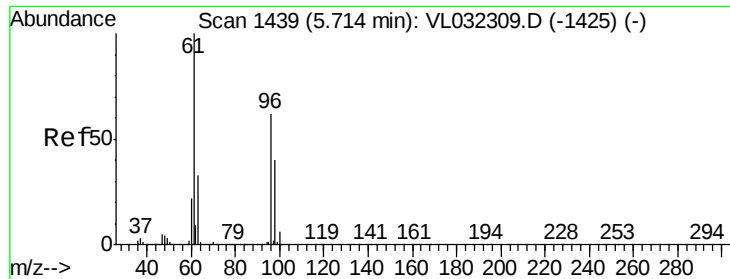
MMDadoda
8/2/2018 2:04:51 PM



#30
Cyclohexane
Concen: 12.47 ppbv
RT: 7.32 min Scan# 1939
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 84 Resp: 1738071
Ion Ratio Lower Upper
84 100
56 146.7 116.8 175.2
41 88.0 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.55 ppbv

RT: 5.71 min Scan# 1437

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1748243

Ion Ratio Lower Upper

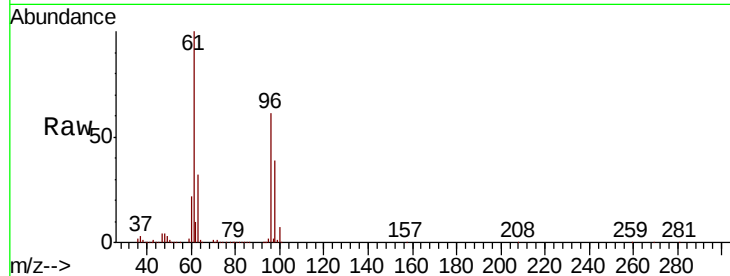
61 100

96 61.0 49.8 74.6

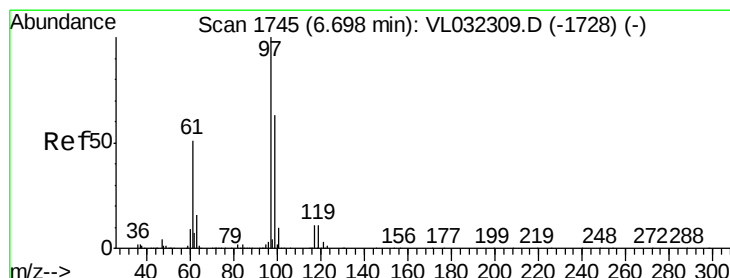
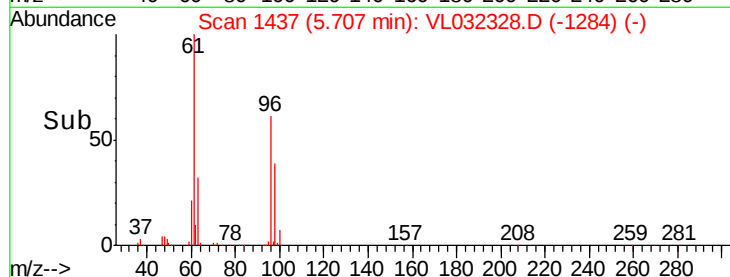
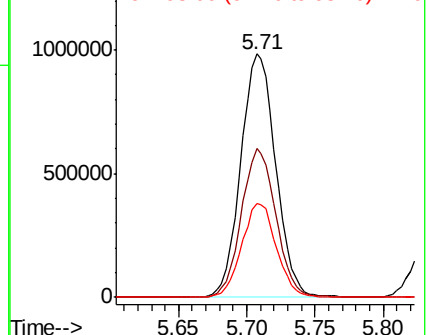
98 38.6 31.8 47.6

Manual Integrations
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.56 ppbv

RT: 6.69 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

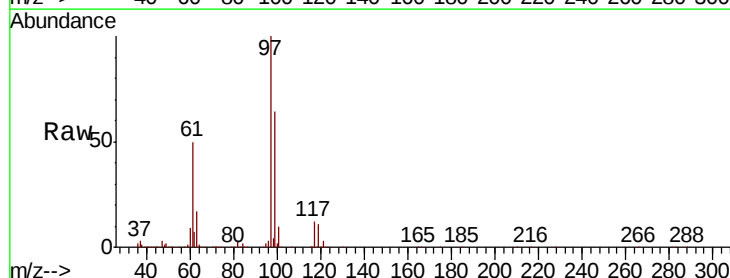
Tgt Ion: 97 Resp: 2430318

Ion Ratio Lower Upper

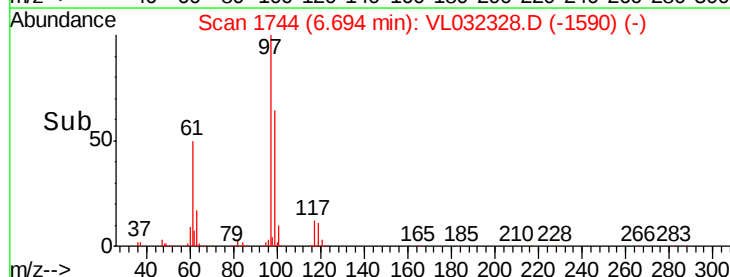
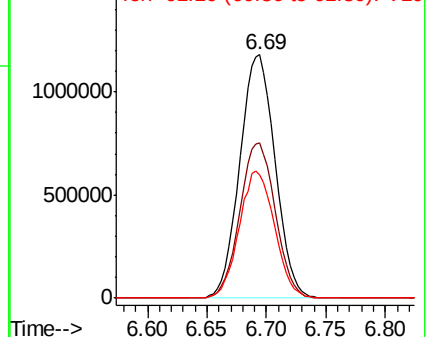
97 100

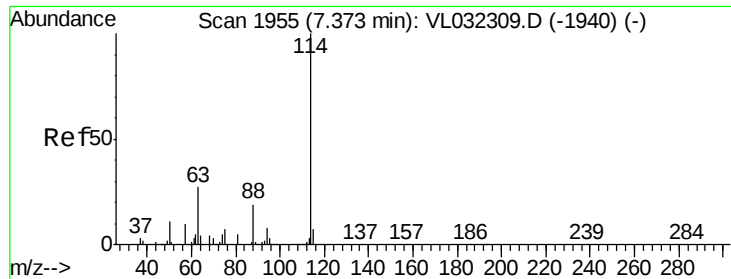
99 64.1 50.9 76.3

61 52.1 41.8 62.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





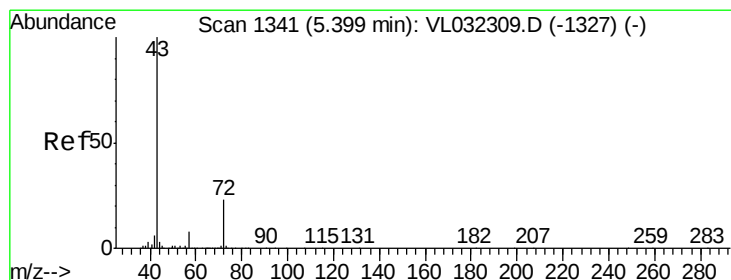
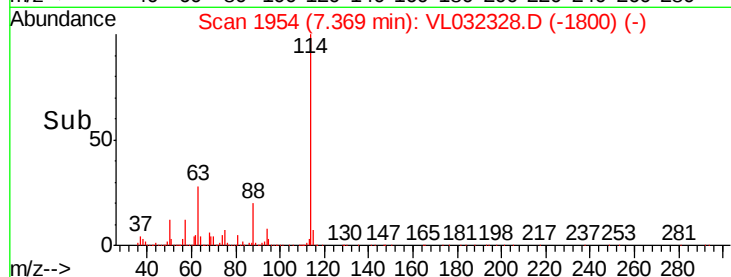
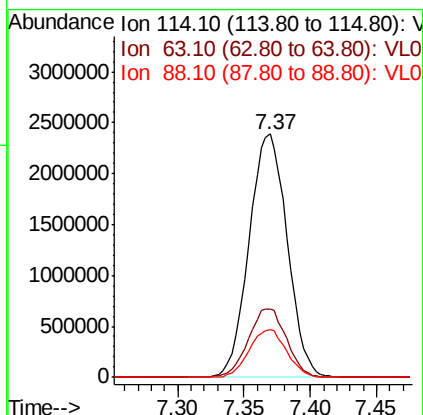
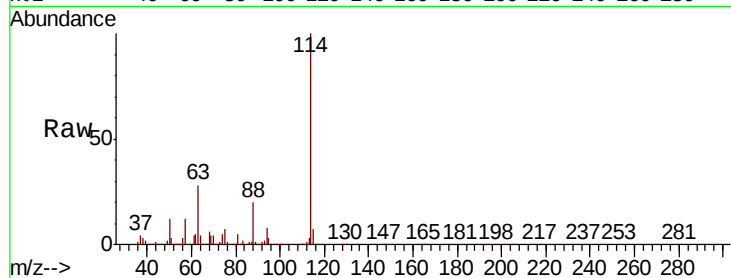
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.4	33.6
88	19.4	15.3	22.9

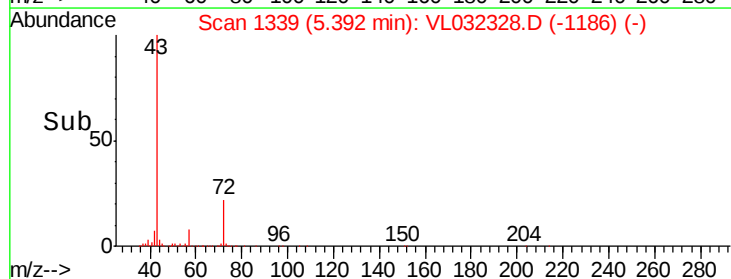
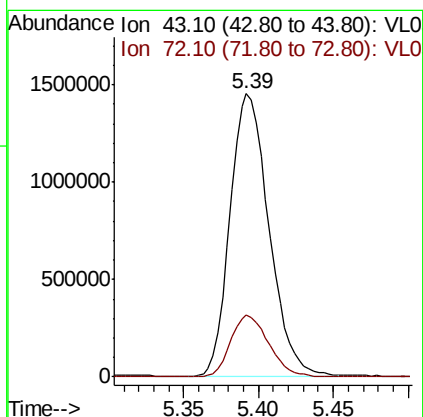
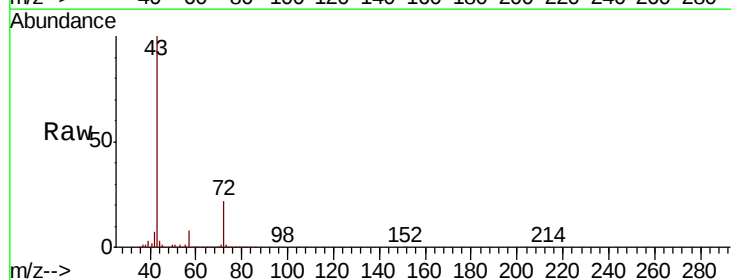
Manual Integrations
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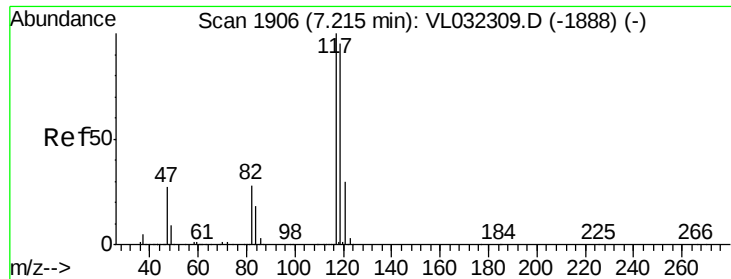
MMDadoda
 8/2/2018 2:04:51 PM



#34
 2-Butanone
 Concen: 8.48 ppbv
 RT: 5.39 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.2





#35

Carbon Tetrachloride

Concen: 10.50 ppbv

RT: 7.21 min Scan# 1904

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 117 Resp: 2846086

Ion Ratio Lower Upper

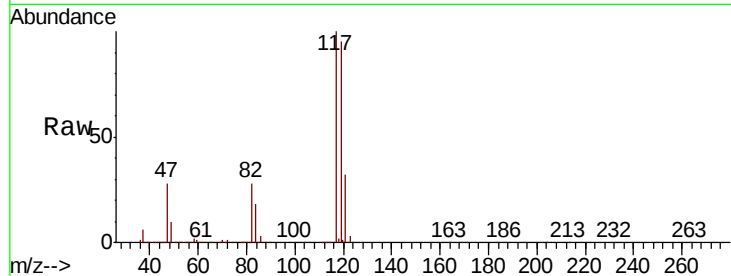
117 100

119 95.2 76.1 114.1

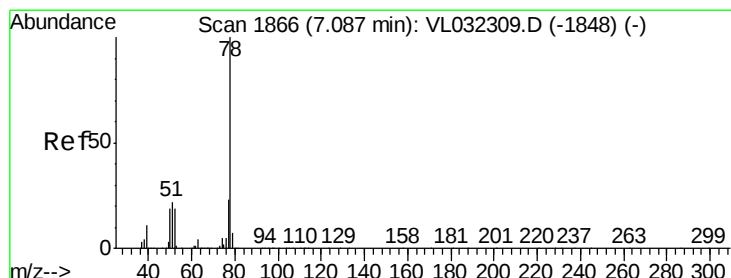
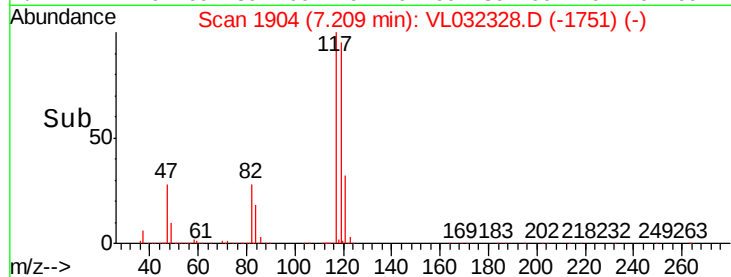
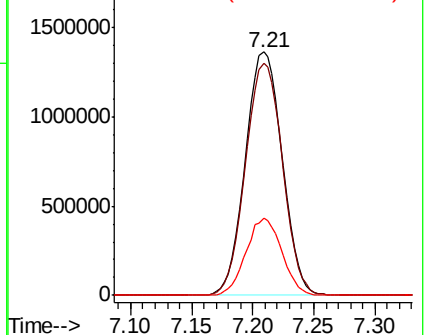
121 31.6 24.4 36.6

Manual Integrations
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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: 8.51 ppbv

RT: 7.08 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

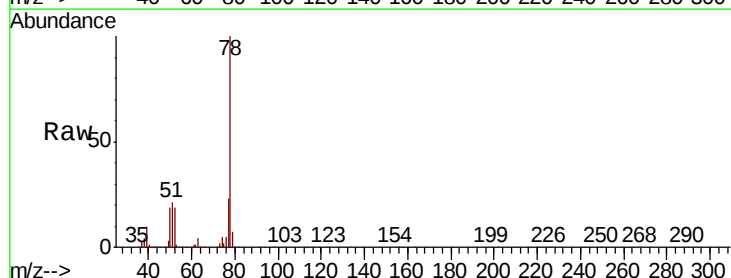
Tgt Ion: 78 Resp: 3576454

Ion Ratio Lower Upper

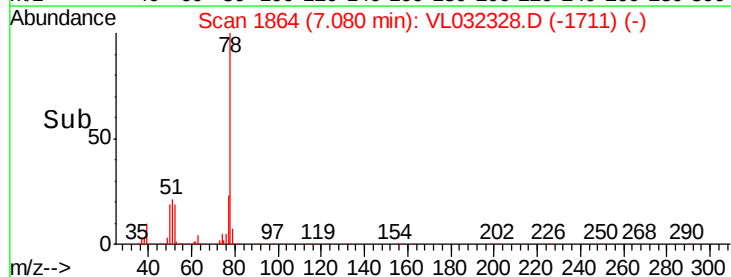
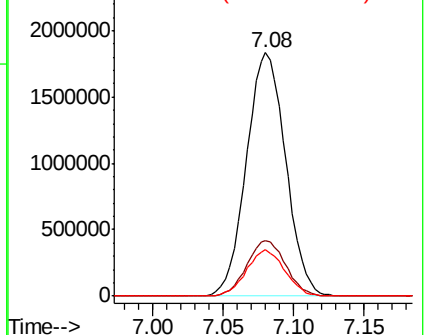
78 100

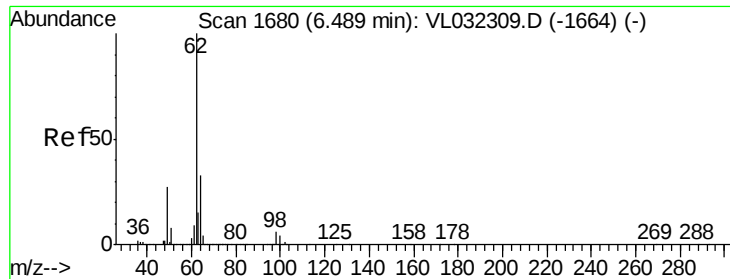
77 23.0 18.4 27.6

50 18.9 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





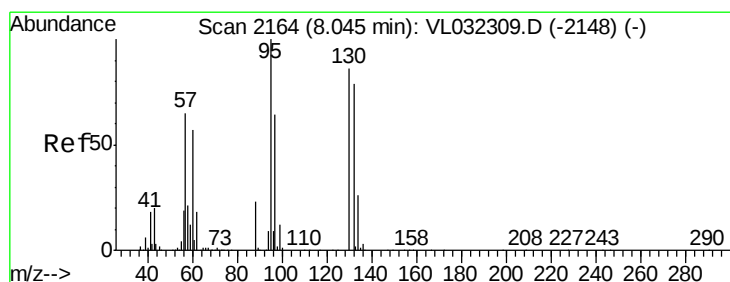
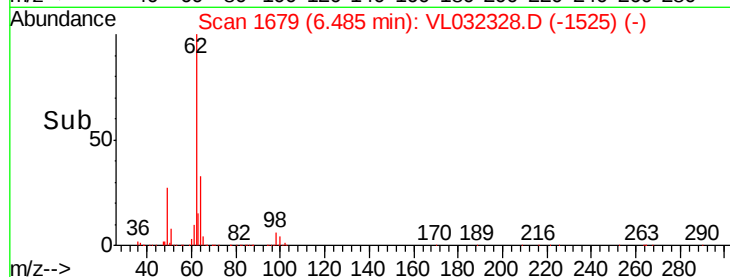
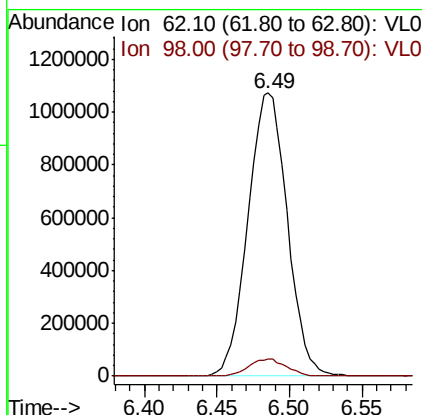
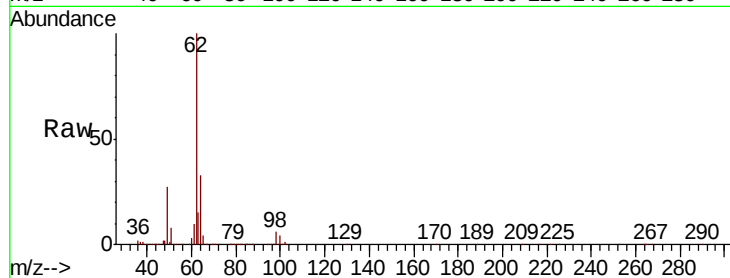
#37
 1,2-Dichloroethane
 Concen: 8.33 ppbv
 RT: 6.49 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.1	7.7

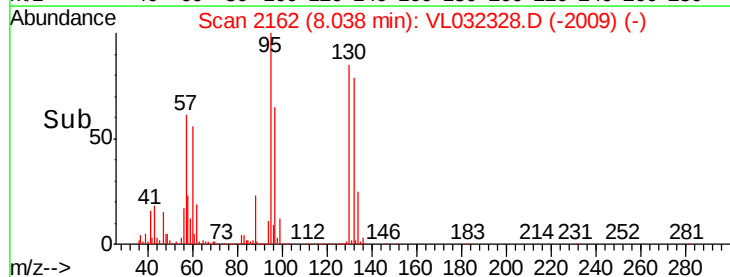
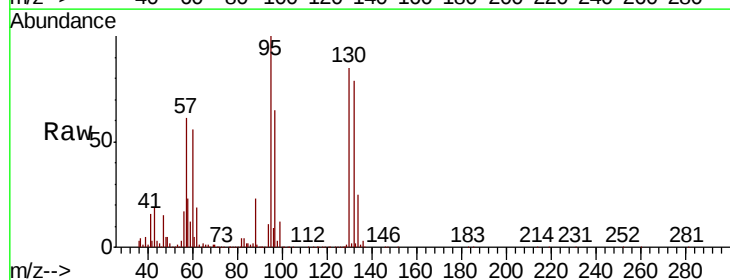
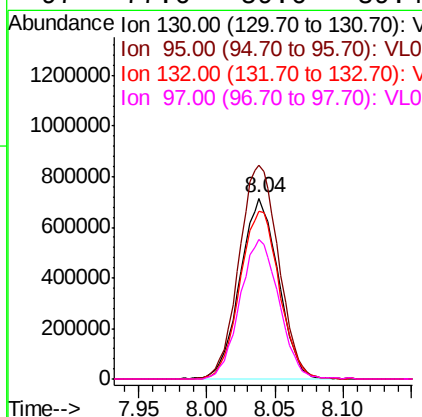
Manual Integrations
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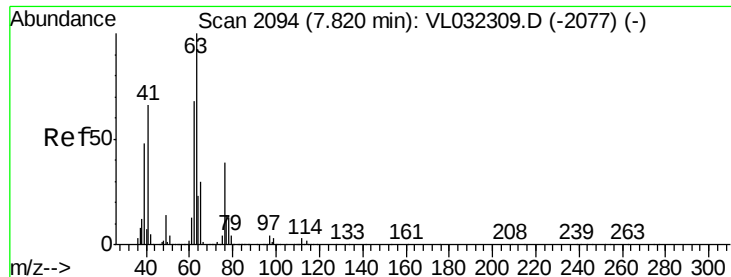
MMDadoda
 8/2/2018 2:04:51 PM



#38
 Trichloroethene
 Concen: 8.51 ppbv
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.5	92.9	139.3
132	93.3	73.0	109.4
97	77.6	59.6	89.4





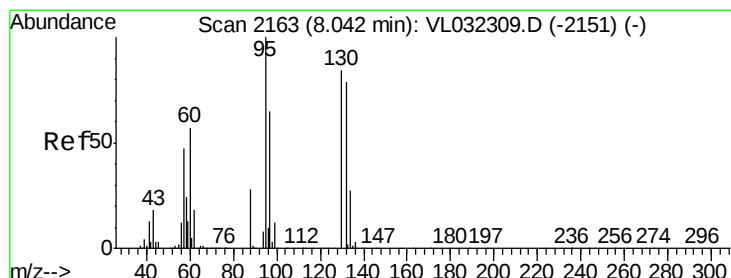
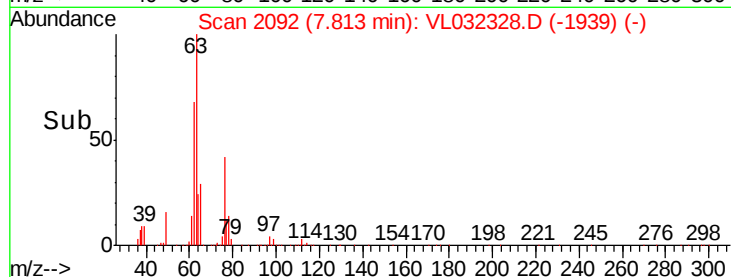
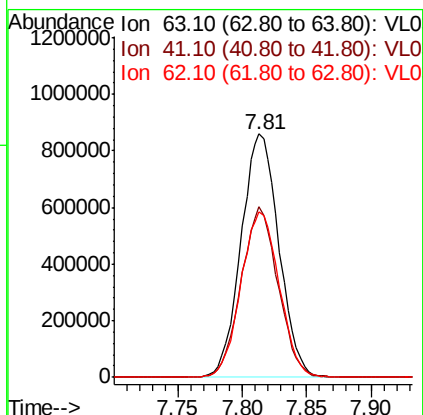
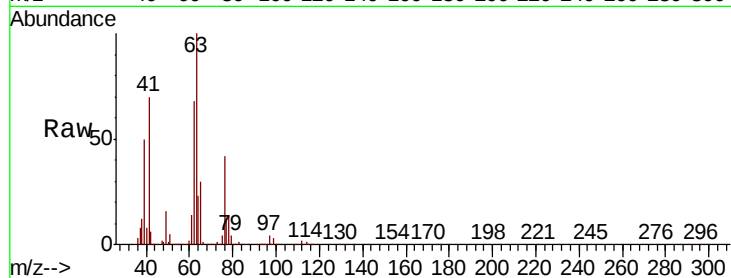
#39
 1,2-Dichloropropane
 Concen: 8.31 ppbv
 RT: 7.81 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.9	52.5	78.7
62	68.0	54.6	81.8

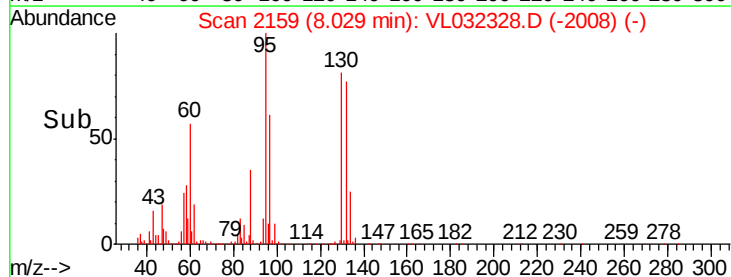
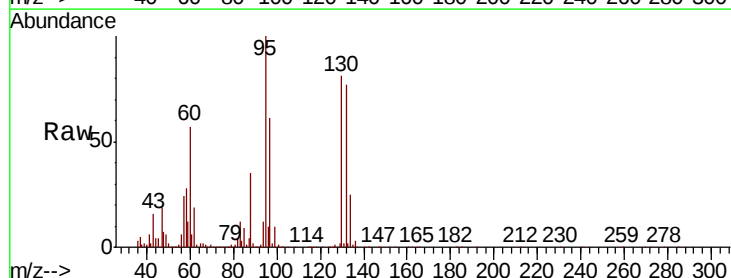
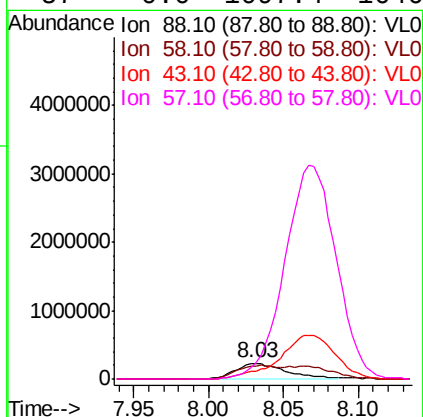
Manual Integrations
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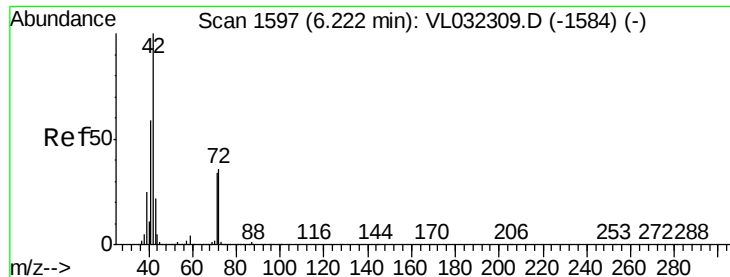
MMDadoda
 8/2/2018 2:04:51 PM



#40
 1,4-Dioxane
 Concen: 8.61 ppbv
 RT: 8.03 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	151.8	120.5	180.7
43	0.0	246.2	369.2#
57	0.0	1097.4	1646.2#





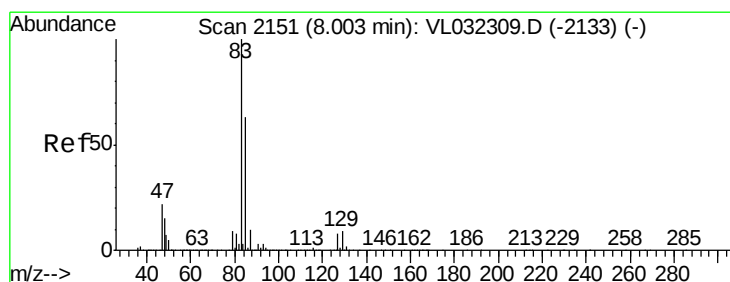
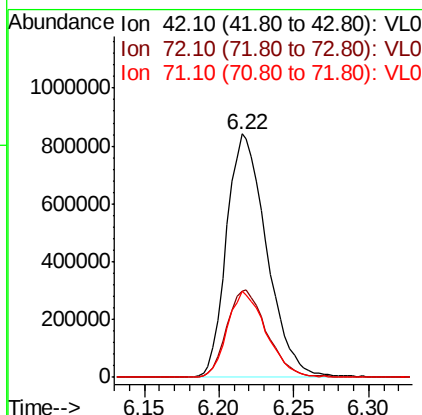
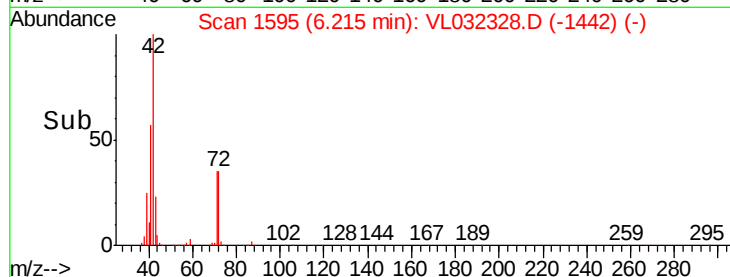
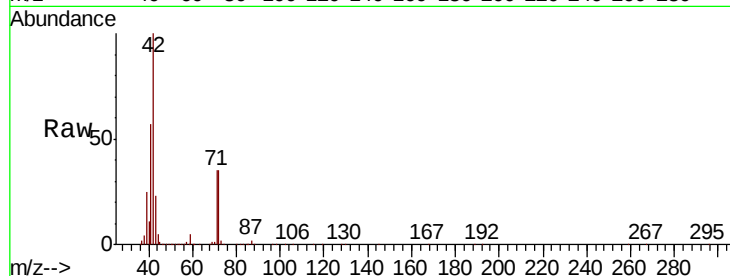
#41
Tetrahydrofuran
Concen: 8.98 ppbv
RT: 6.22 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.6	42.8
71	34.7	27.8	41.6

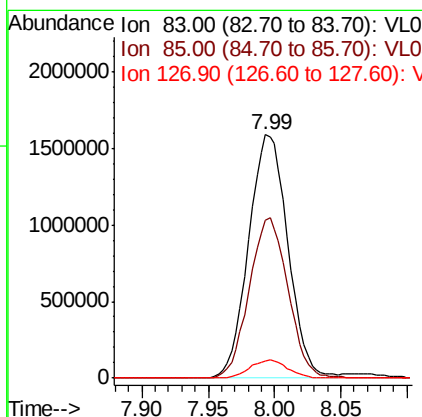
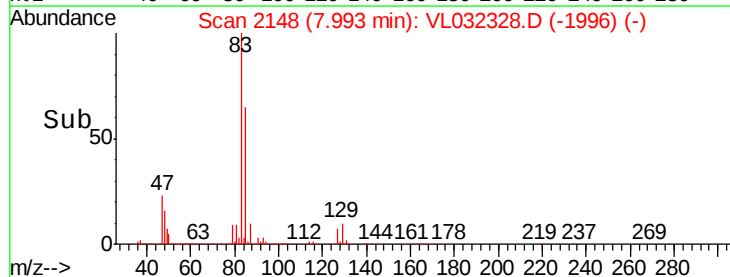
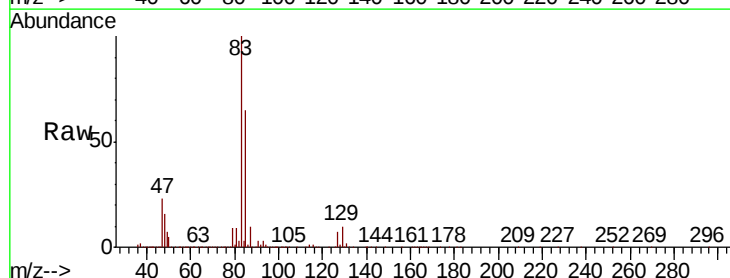
Manual Integrations
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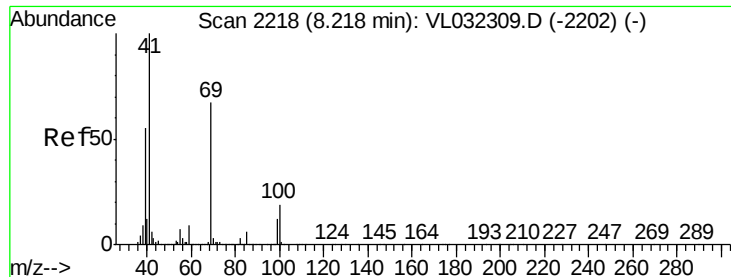
MMDadoda
8/2/2018 2:04:51 PM



#42
Bromodichloromethane
Concen: 8.31 ppbv
RT: 7.99 min Scan# 2148
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1
127	7.2	6.0	9.0





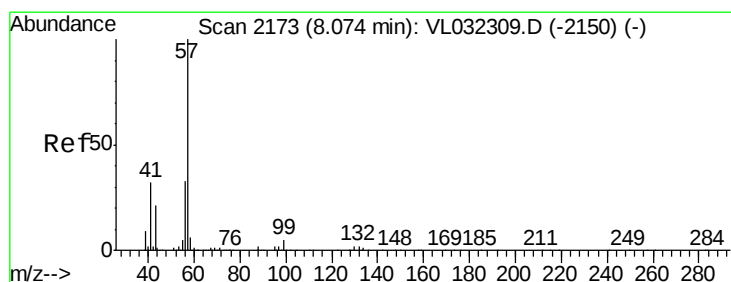
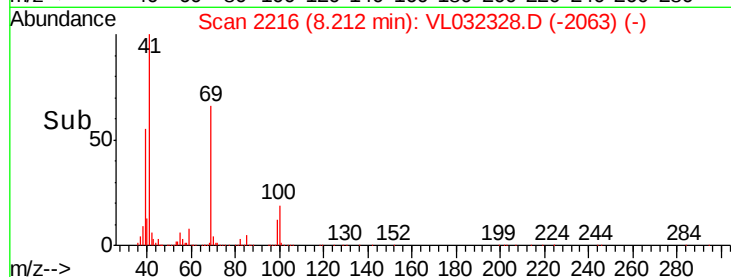
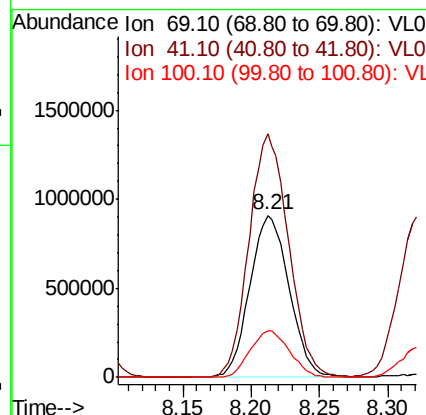
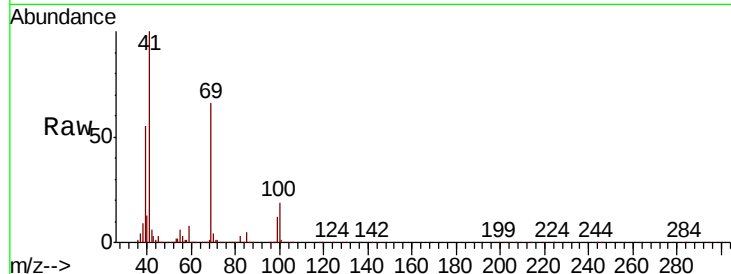
#43
Methvl Methacrylate
Concen: 9.01 ppbv
RT: 8.21 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1819400
Ion Ratio Lower Upper
69 100
41 150.9 120.6 180.8
100 28.9 23.2 34.8

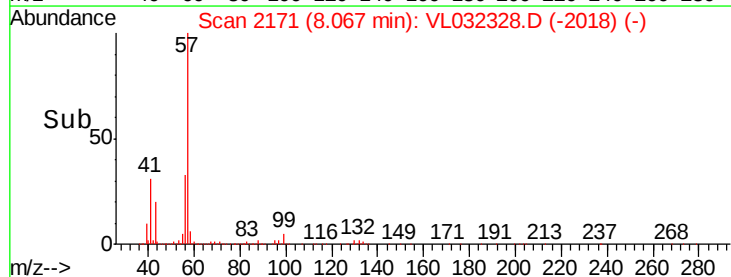
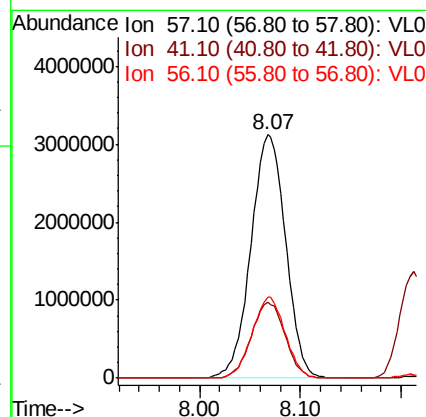
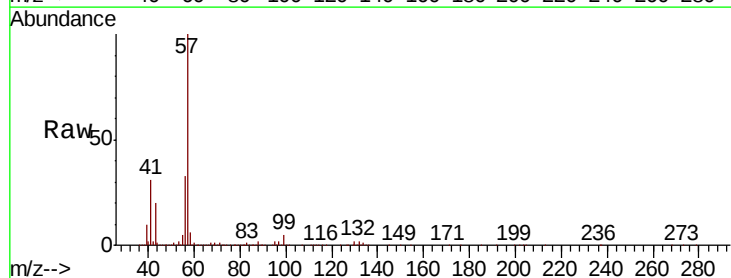
Manual Integrations
APPROVED

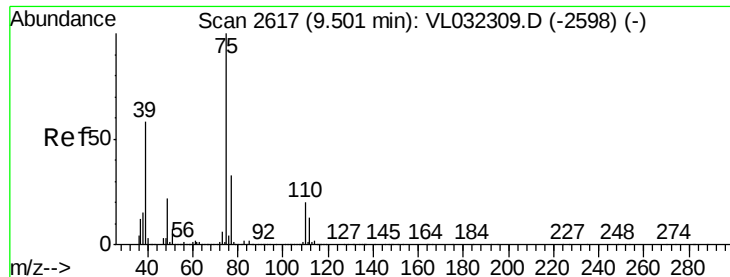
MMDadoda
8/2/2018 2:04:51 PM



#44
2,2,4-Trimethylpentane
Concen: 8.17 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 57 Resp: 7444715
Ion Ratio Lower Upper
57 100
41 30.3 24.3 36.5
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.58 ppbv

RT: 9.49 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 2239380

Ion Ratio Lower Upper

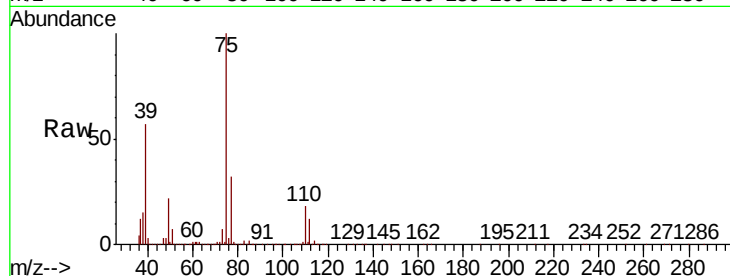
75 100

77 31.9 26.2 39.4

Manual Integrations
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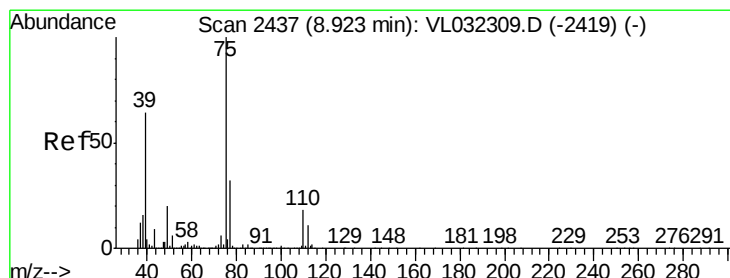
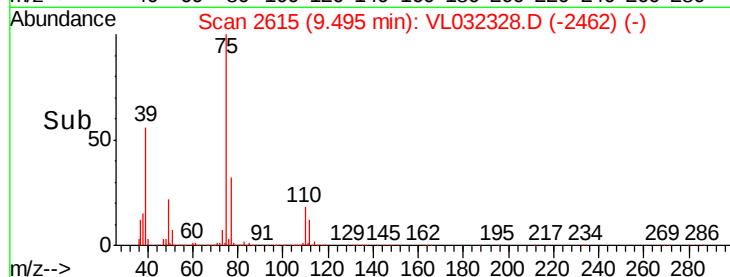
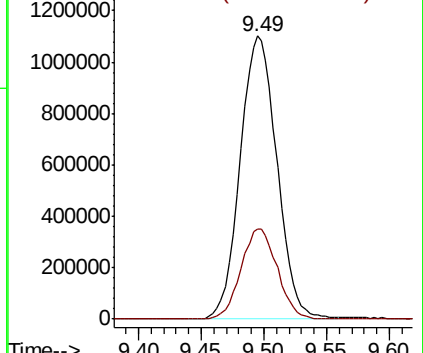
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.25 ppbv

RT: 8.92 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

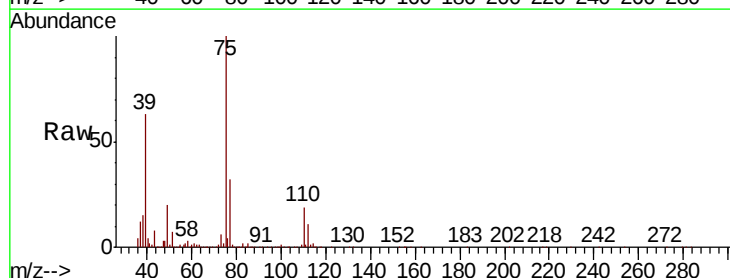
Tgt Ion: 75 Resp: 2651513

Ion Ratio Lower Upper

75 100

39 62.6 50.9 76.3

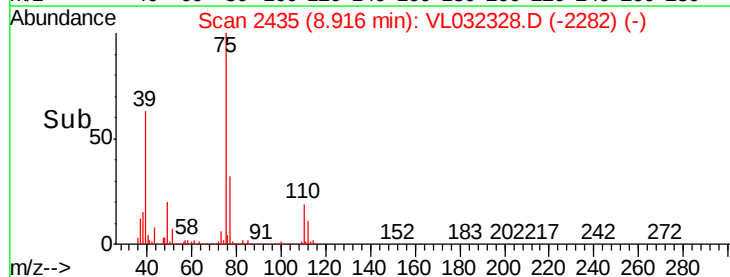
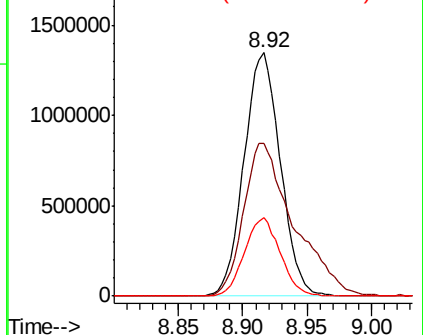
77 32.5 25.7 38.5

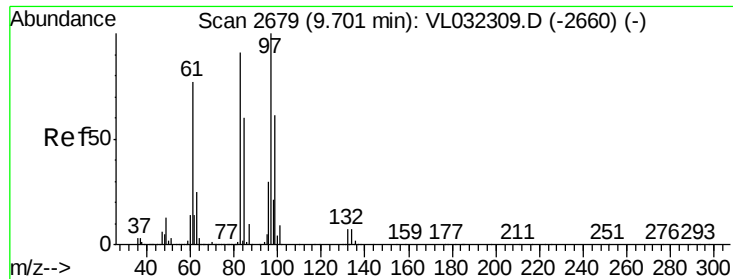


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 7.93 ppbv

RT: 9.70 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1630631

Ion Ratio Lower Upper

97 100

83 91.7 73.0 109.6

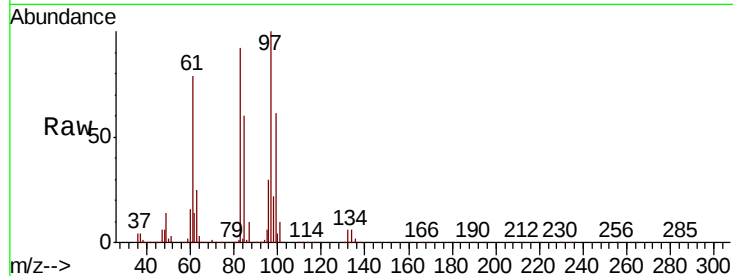
85 59.7 48.1 72.1

99 61.1 48.5 72.7

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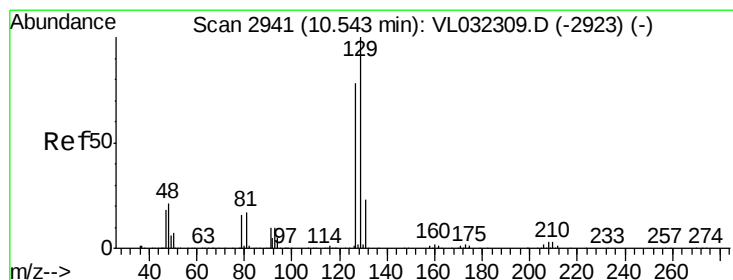
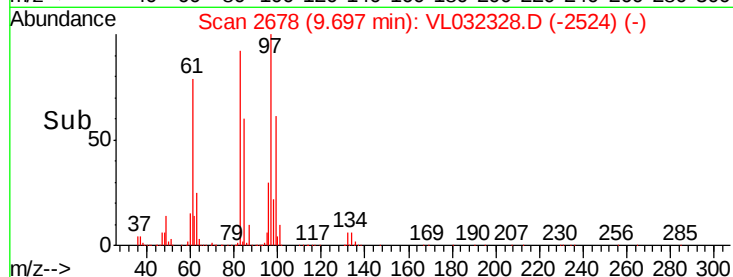
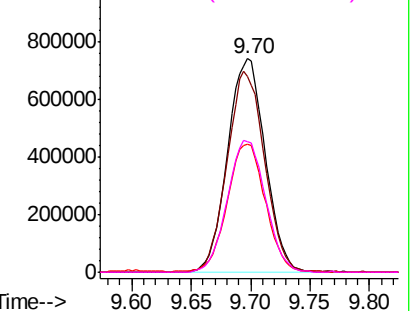


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 8.39 ppbv

RT: 10.54 min Scan# 2939

Delta R.T. -0.01 min

Lab File: VL032328.D

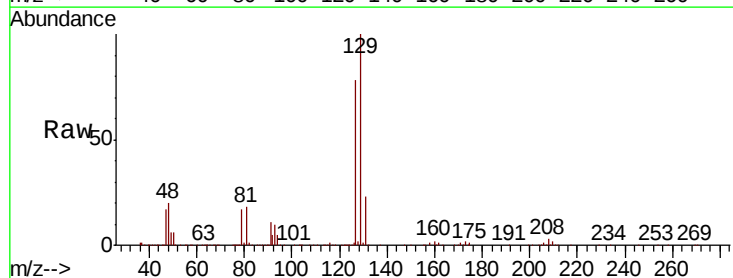
Acq: 1 Aug 2018 16:50

Tgt Ion: 129 Resp: 2543436

Ion Ratio Lower Upper

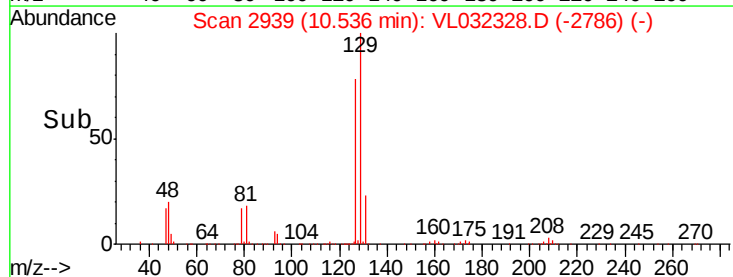
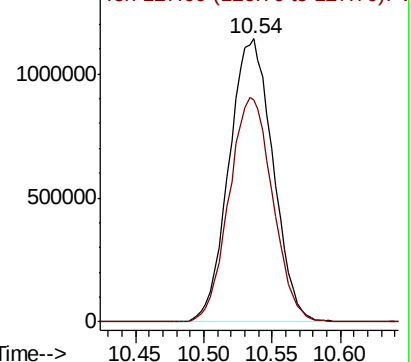
129 100

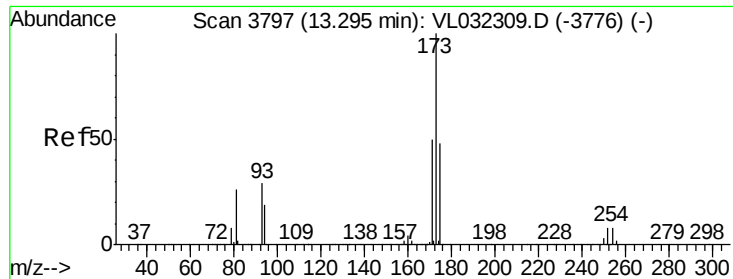
127 79.0 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





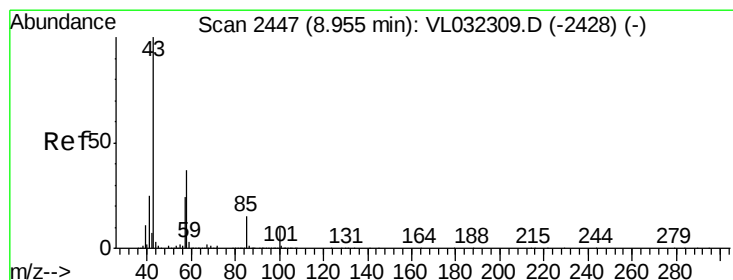
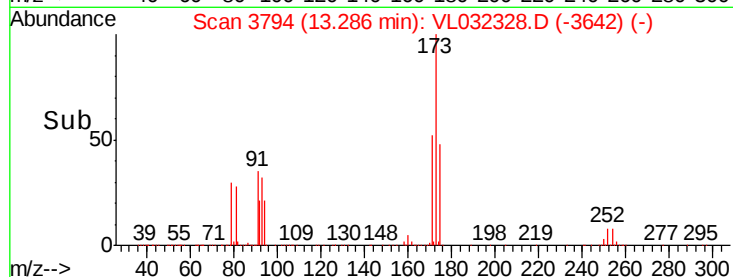
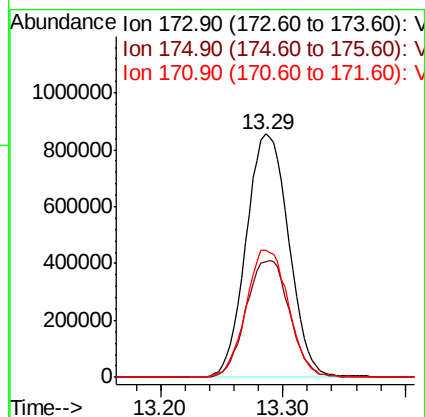
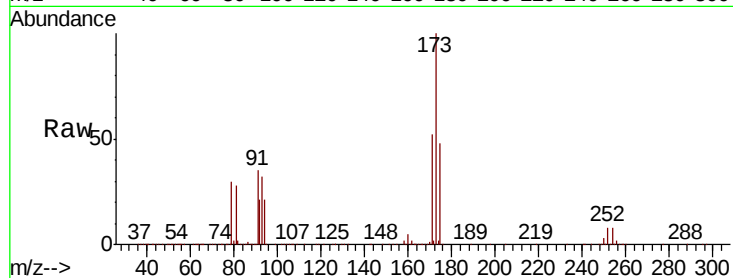
#49
Bromoform
Concen: 8.27 ppbv
RT: 13.29 min Scan# 3794
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2064297
Ion Ratio Lower Upper
173 100
175 49.2 38.9 58.3
171 52.5 42.2 63.2

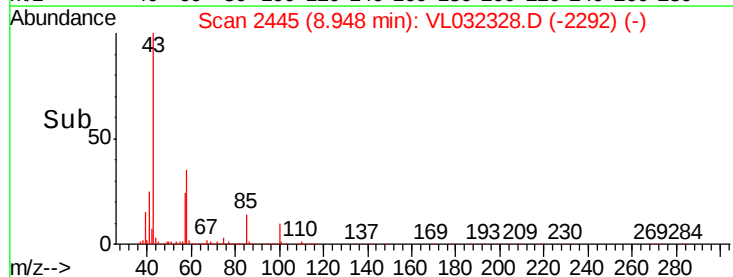
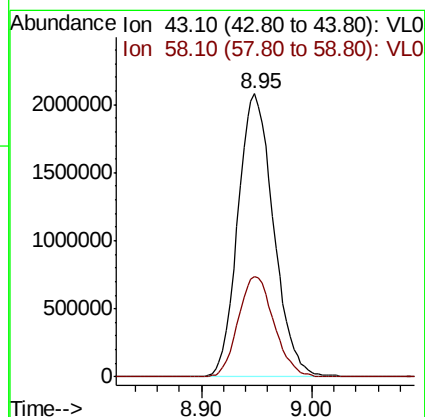
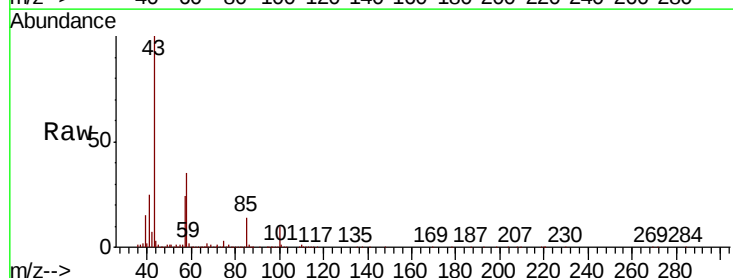
Manual Integrations
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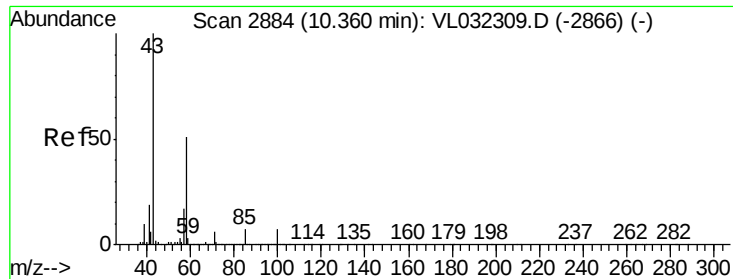
MMDadoda
8/2/2018 2:04:51 PM



#50
4-Methyl-2-Pentanone
Concen: 8.54 ppbv
RT: 8.95 min Scan# 2445
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 43 Resp: 4650216
Ion Ratio Lower Upper
43 100
58 36.0 28.9 43.3





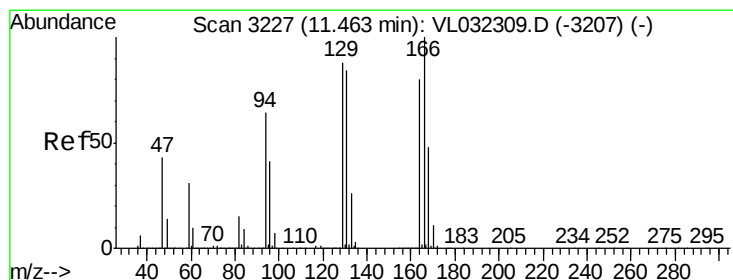
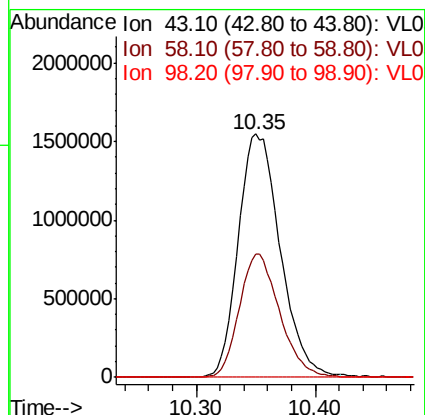
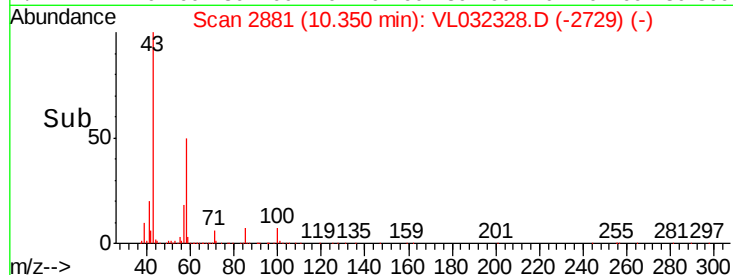
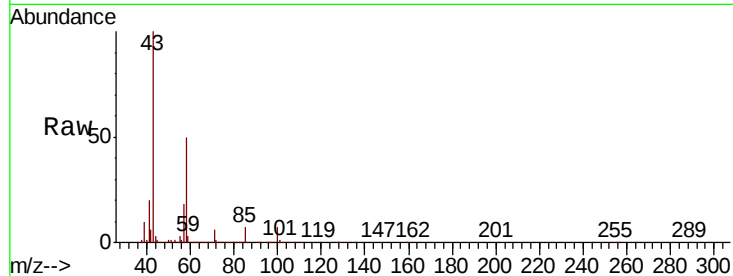
#51
2-Hexanone
Concen: 9.09 ppbv
RT: 10.35 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3772663
Ion Ratio Lower Upper
43 100
58 49.1 39.1 58.7
98 0.2 0.3 0.5#

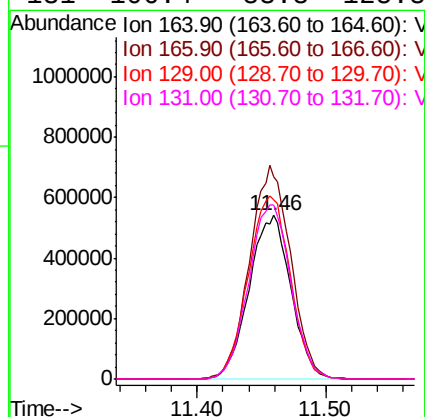
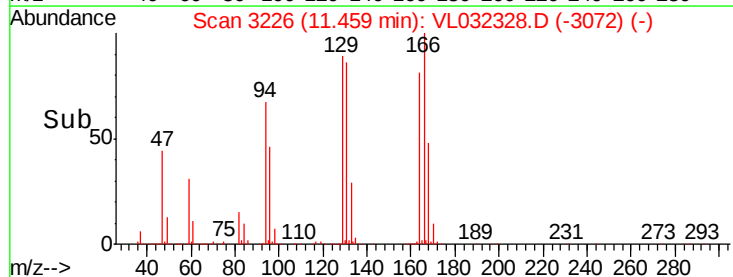
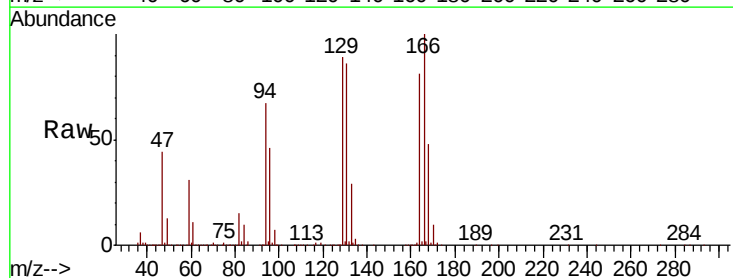
Manual Integrations
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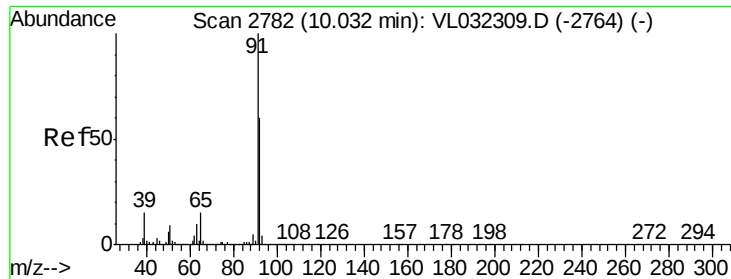
MMDadoda
8/2/2018 2:04:51 PM



#52
Tetrachloroethene
Concen: 8.61 ppbv
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 164 Resp: 1219286
Ion Ratio Lower Upper
164 100
166 123.4 100.0 150.0
129 109.1 87.9 131.9
131 106.4 83.8 125.8





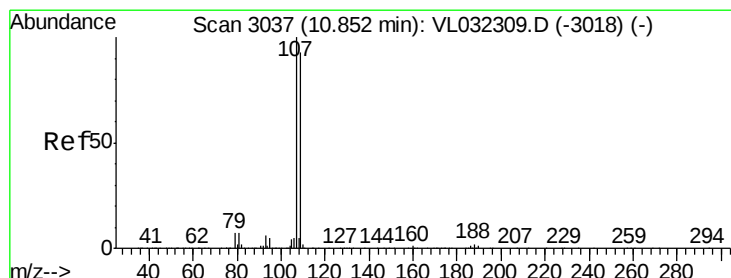
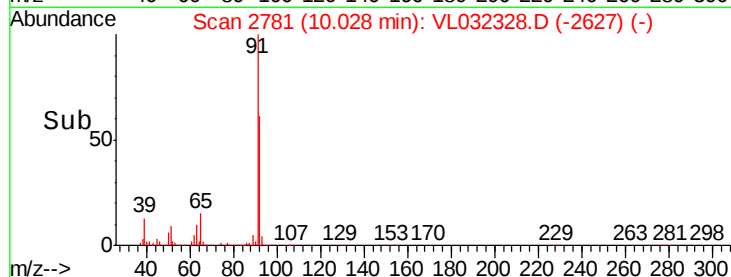
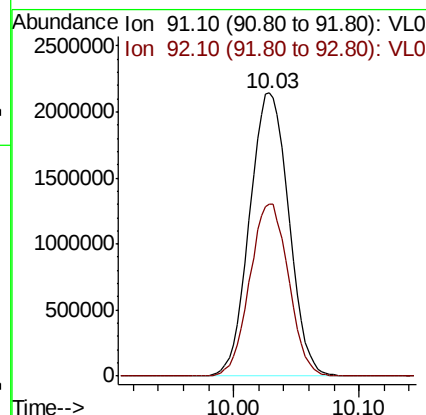
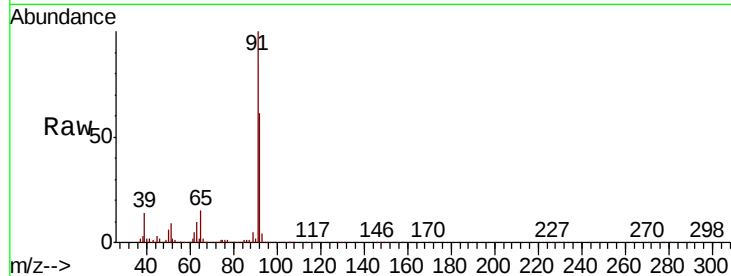
#53
Toluene
Concen: 9.26 ppbv
RT: 10.03 min Scan# 2781
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4656699
Ion Ratio Lower Upper
91 100
92 60.3 48.6 72.8

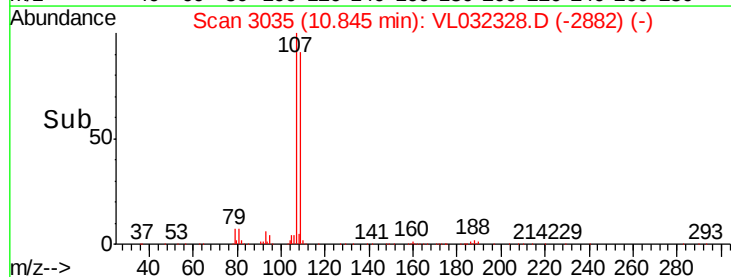
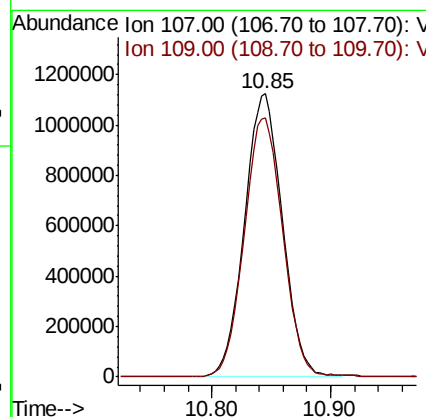
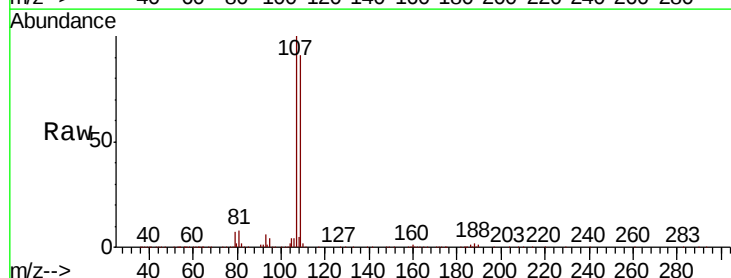
Manual Integrations
APPROVED

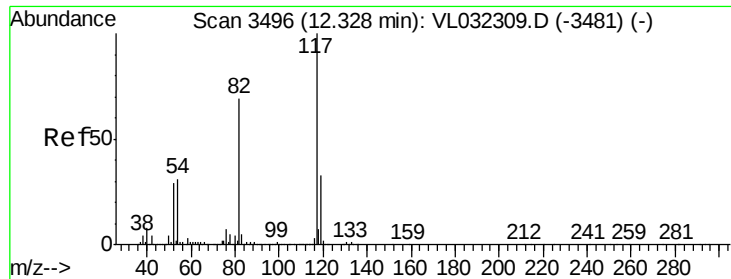
MMDadoda
8/2/2018 2:04:51 PM



#54
1,2-Dibromoethane
Concen: 8.46 ppbv
RT: 10.85 min Scan# 3035
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 107 Resp: 2471773
Ion Ratio Lower Upper
107 100
109 91.4 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: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 4792344

Ion Ratio Lower Upper

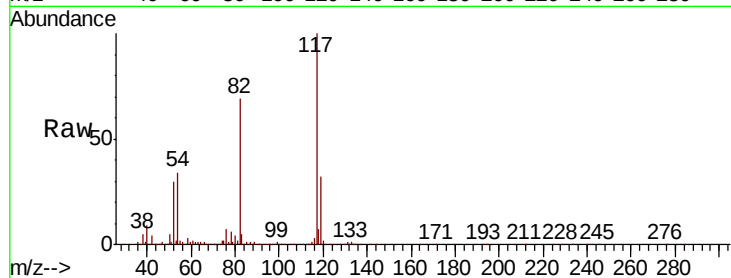
117 100

82 68.3 52.6 78.8

119 55.8 25.7 38.5#

Manual Integrations
APPROVED

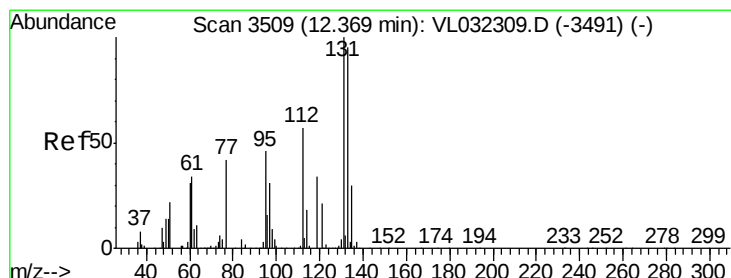
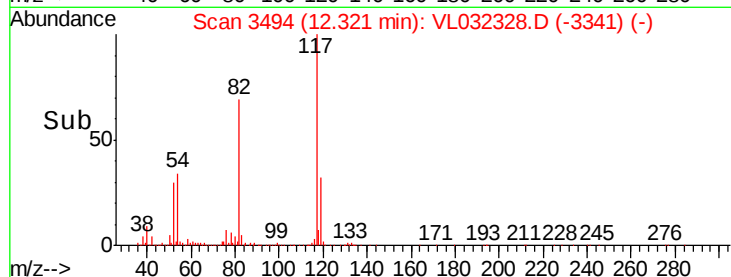
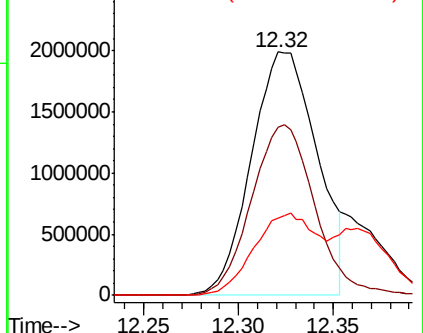
MMDadoda
8/2/2018 2:04:51 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.11 ppbv

RT: 12.37 min Scan# 3508

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

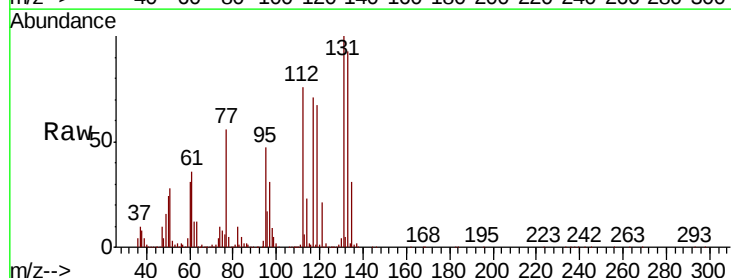
Tgt Ion:131 Resp: 1799709

Ion Ratio Lower Upper

131 100

133 95.7 75.8 113.6

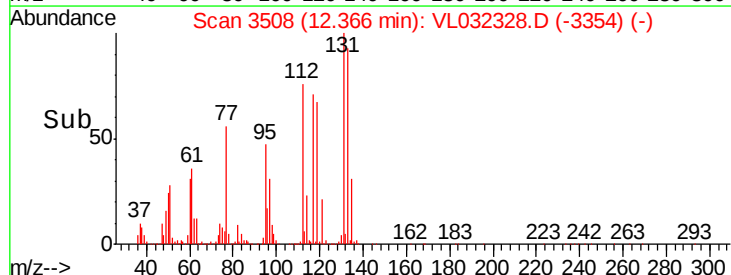
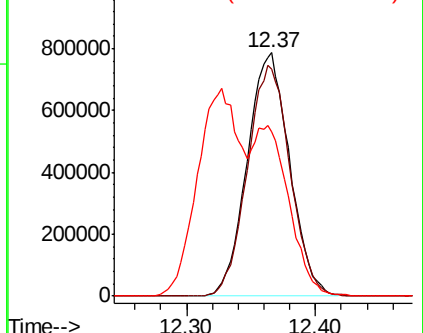
119 60.8 48.1 72.1

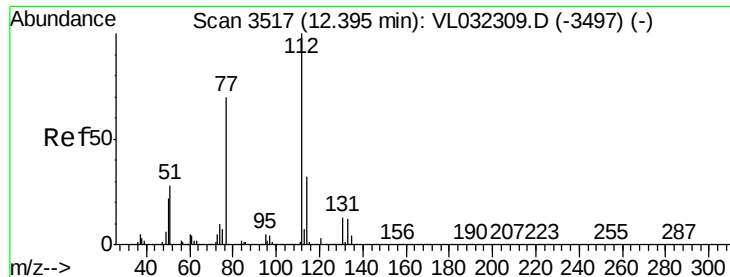


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.80 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 3278033

Ion Ratio Lower Upper

112 100

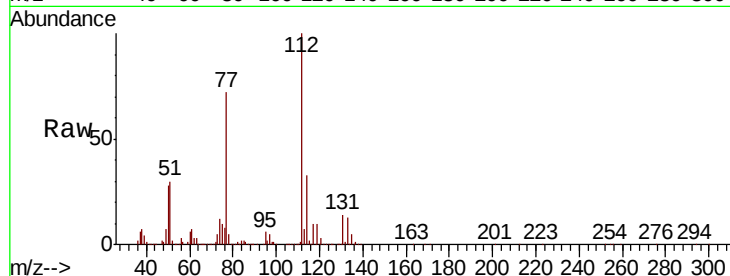
77 72.0 56.5 84.7

114 32.8 28.4 34.7

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MMDadoda

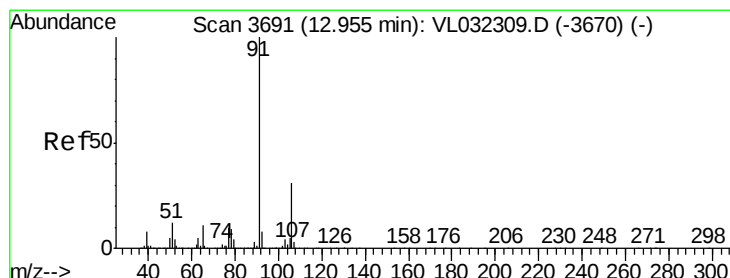
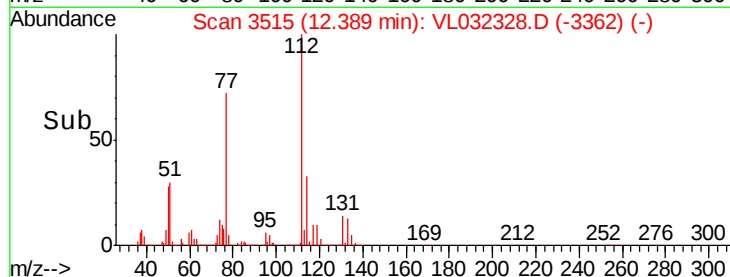
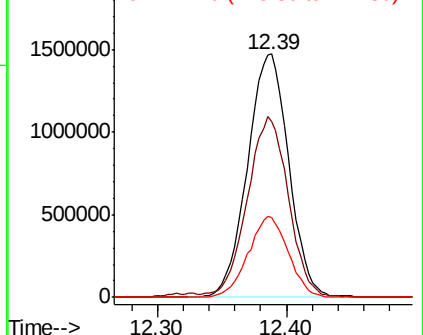
8/2/2018 2:04:51 PM



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: 10.30 ppbv

RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032328.D

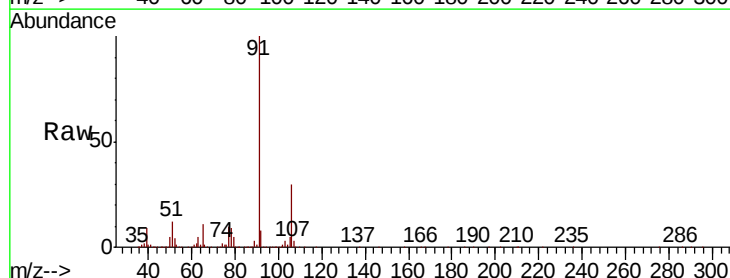
Acq: 1 Aug 2018 16:50

Tgt Ion: 91 Resp: 6189884

Ion Ratio Lower Upper

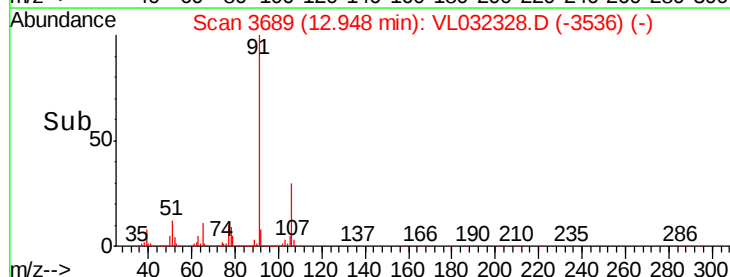
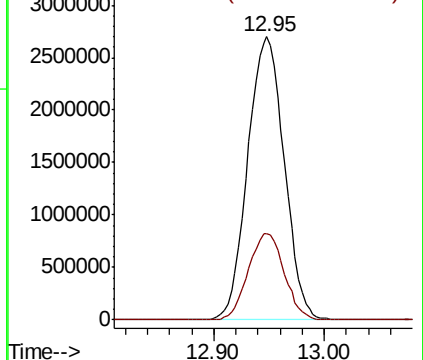
91 100

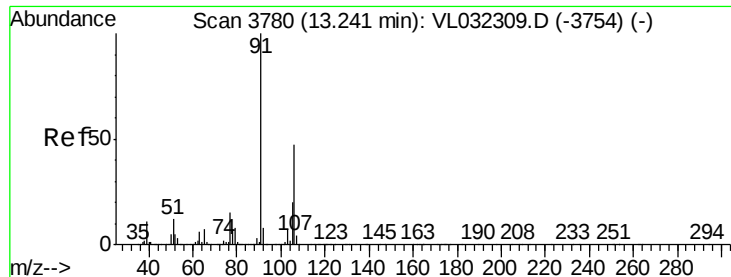
106 30.3 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





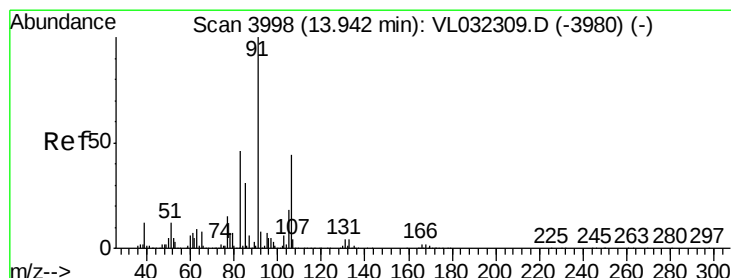
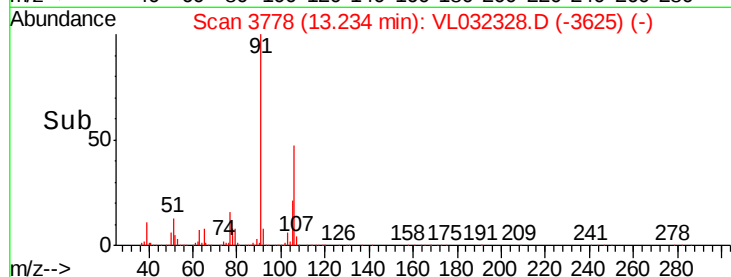
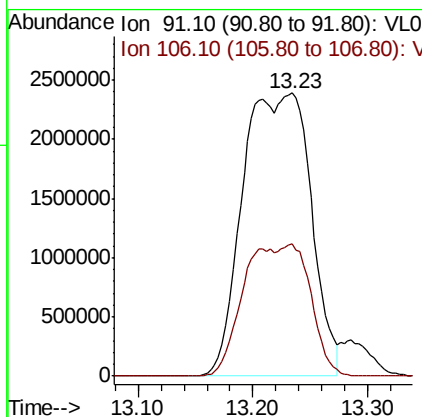
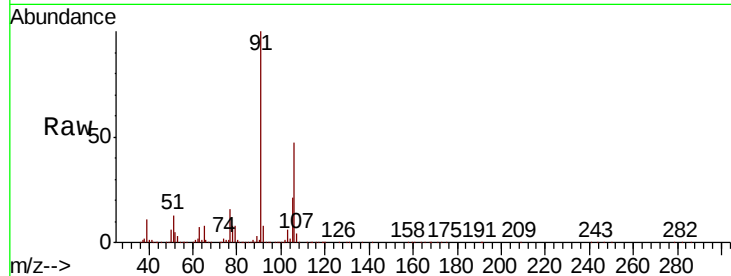
#59
m/p-Xylene
Concen: 19.20 ppbv m
RT: 13.23 min Scan# 3778
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9822809
Ion Ratio Lower Upper
91 100
106 45.6 36.4 54.6

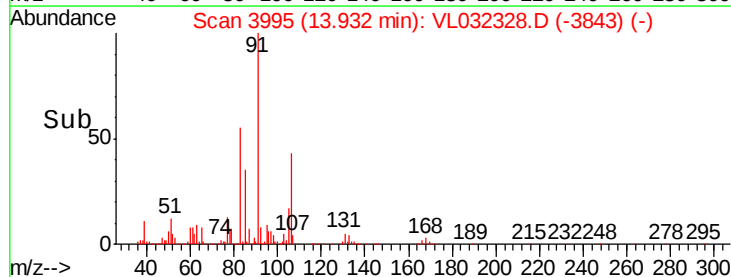
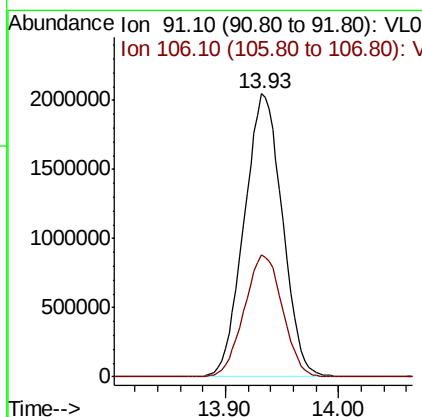
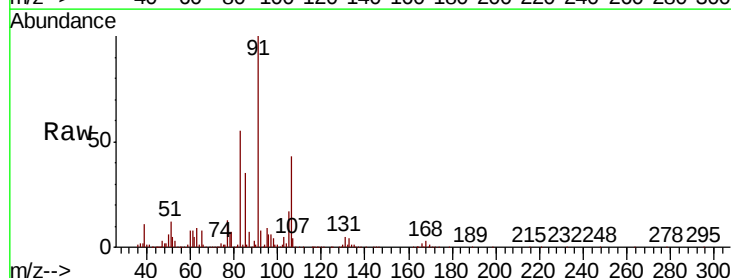
Manual Integrations
APPROVED

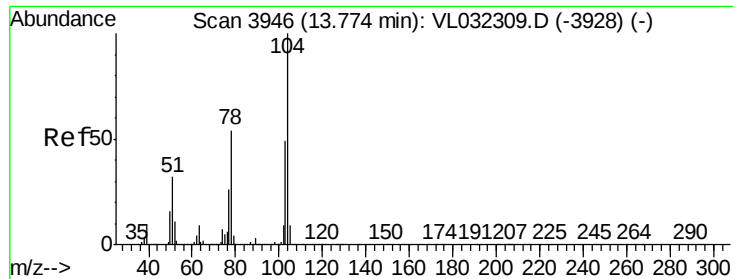
MMDadoda
8/2/2018 2:04:51 PM



#60
o-Xylene
Concen: 9.58 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion: 91 Resp: 4806558
Ion Ratio Lower Upper
91 100
106 43.5 22.4 67.0





#61

Stvrene

Concen: 10.38 ppbv

RT: 13.77 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 3832899

Ion Ratio Lower Upper

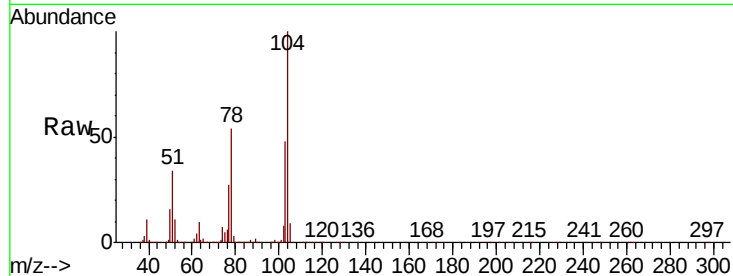
104 100

78 53.9 42.6 63.8

103 47.0 38.0 57.0

Manual Integrations
APPROVED

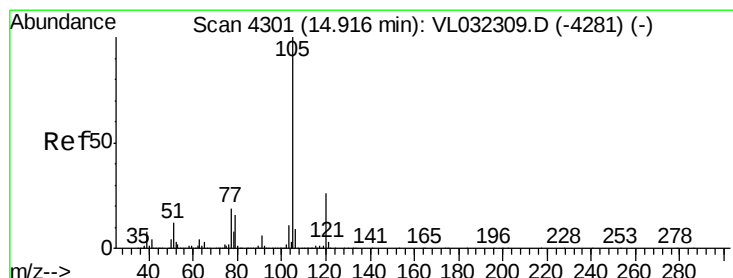
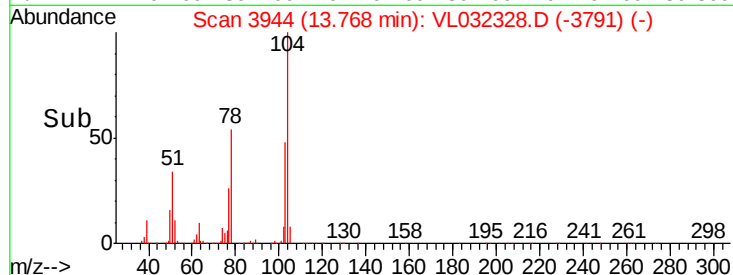
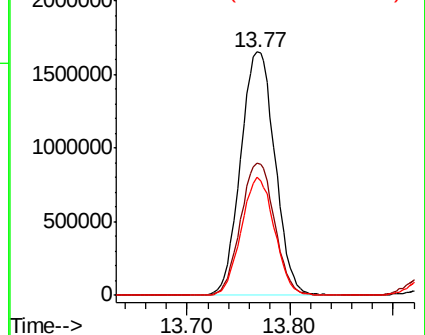
MMDadoda
8/2/2018 2:04:51 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.57 ppbv

RT: 14.91 min Scan# 4299

Delta R.T. -0.01 min

Lab File: VL032328.D

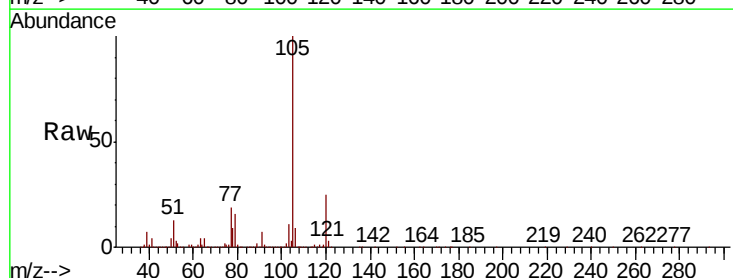
Acq: 1 Aug 2018 16:50

Tgt Ion:105 Resp: 6818747

Ion Ratio Lower Upper

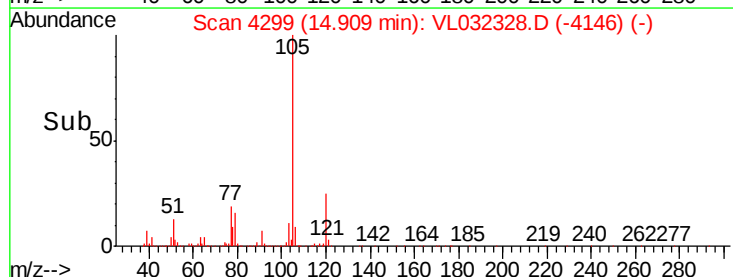
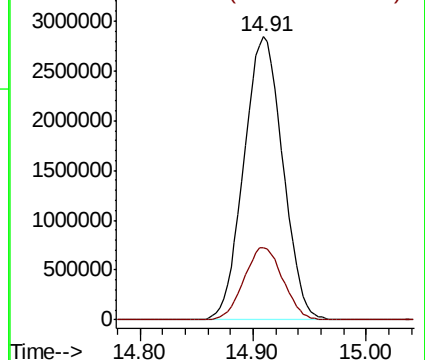
105 100

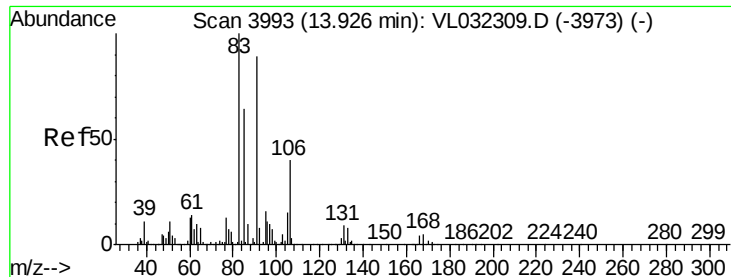
120 25.6 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





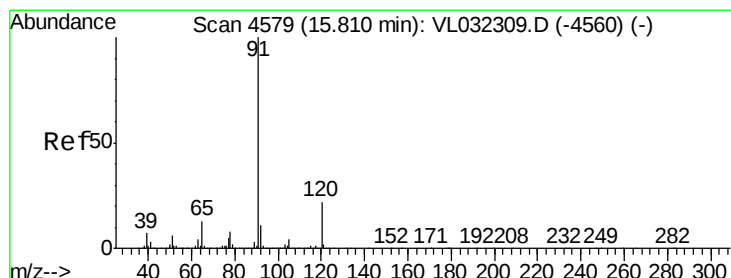
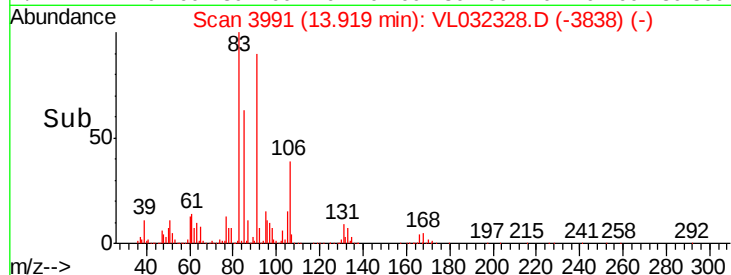
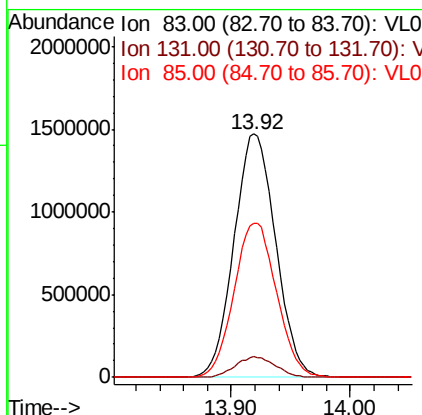
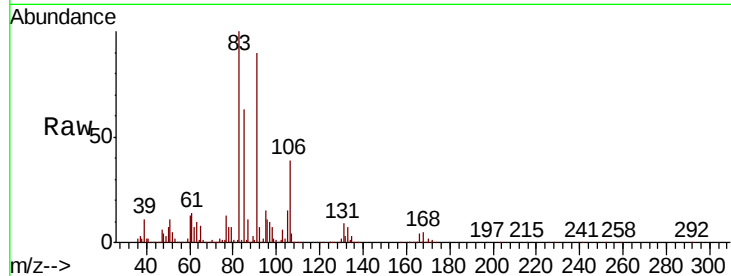
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.72 ppbv
 RT: 13.92 min Scan# 3991
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	64.9	32.6	97.7

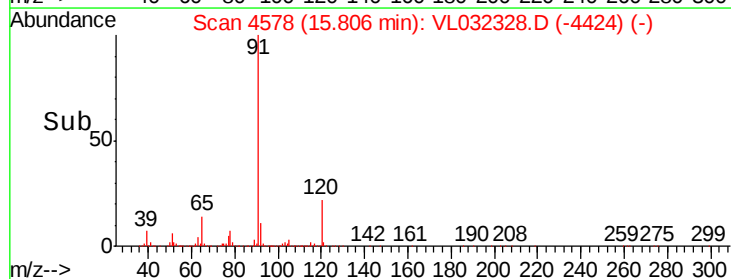
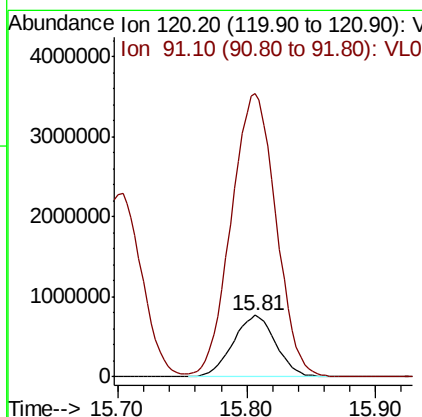
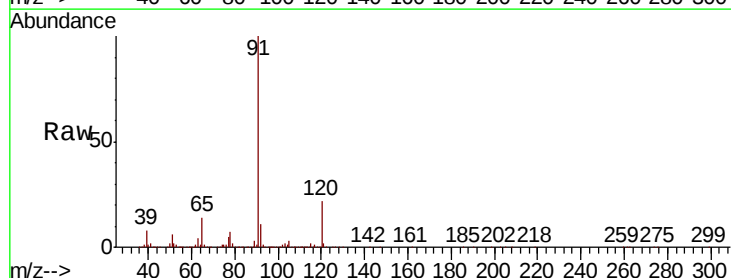
Manual Integrations
 APPROVED

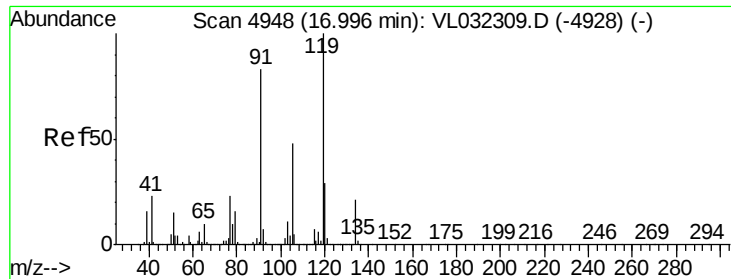
MMDadoda
 8/2/2018 2:04:51 PM



#64
 n-propylbenzene
 Concen: 9.48 ppbv
 RT: 15.81 min Scan# 4578
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
120	100		
91	486.5	381.8	572.8





#65

tert-Butylbenzene

Concen: 9.31 ppbv

RT: 16.99 min Scan# 4947

Delta R.T. -0.00 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5604106

Ion Ratio Lower Upper

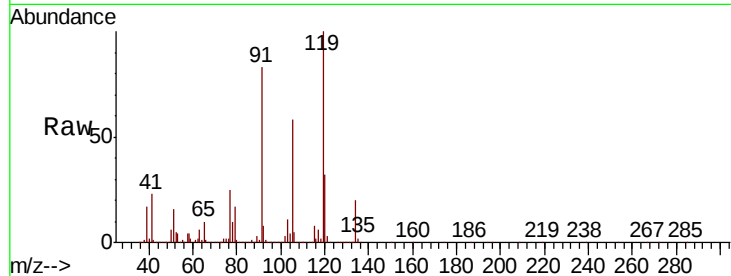
119 100

91 85.2 67.5 101.3

134 19.6 15.8 23.6

Manual Integrations
APPROVED

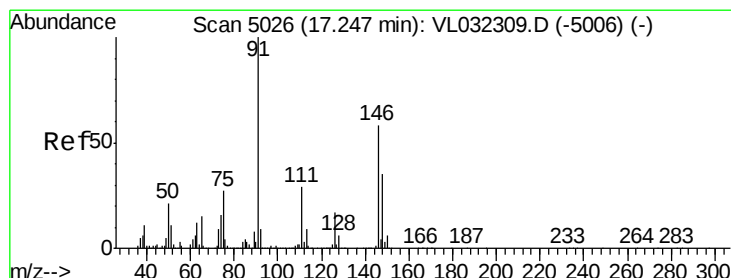
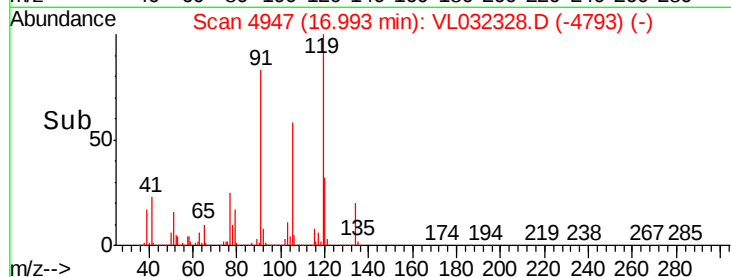
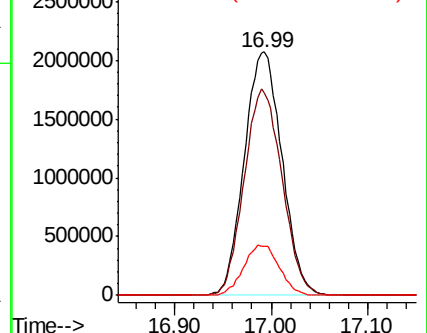
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.11 ppbv

RT: 17.24 min Scan# 5024

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

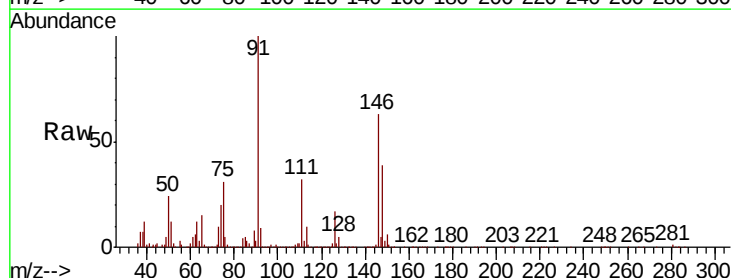
Tgt Ion: 91 Resp: 3628058

Ion Ratio Lower Upper

91 100

126 17.0 13.7 20.5

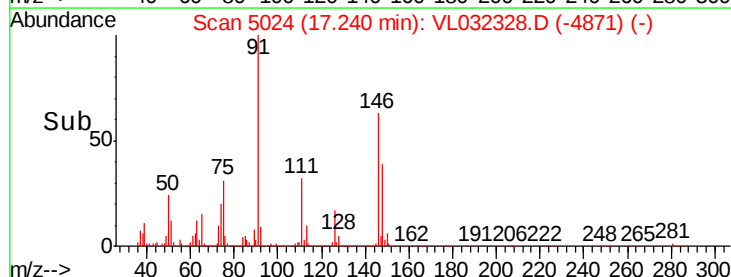
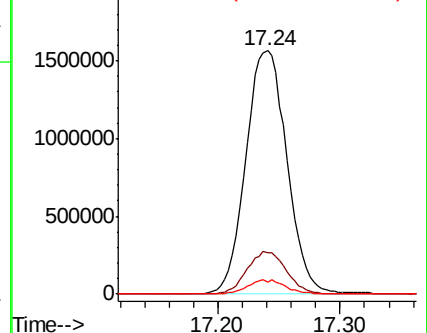
128 5.4 4.3 6.5

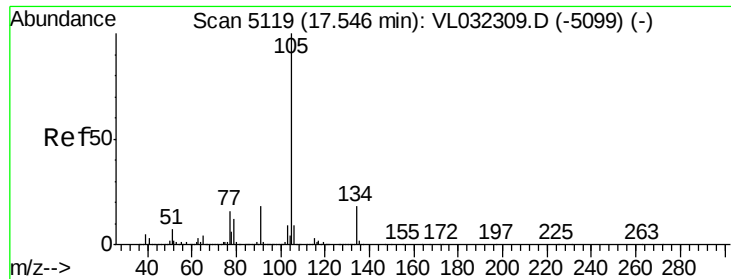


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.33 ppbv

RT: 17.54 min Scan# 5117

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 8405907

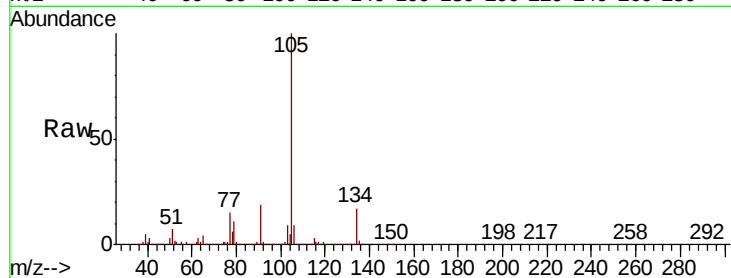
Ion Ratio Lower Upper

105 100

134 17.5 14.2 21.4

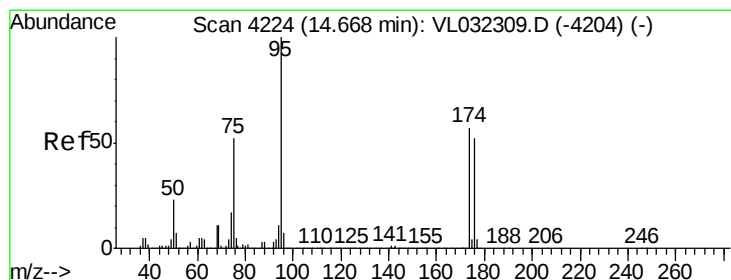
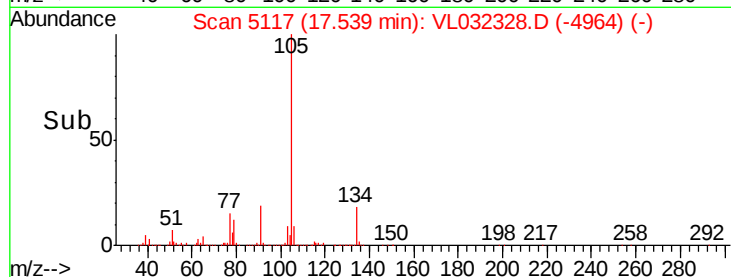
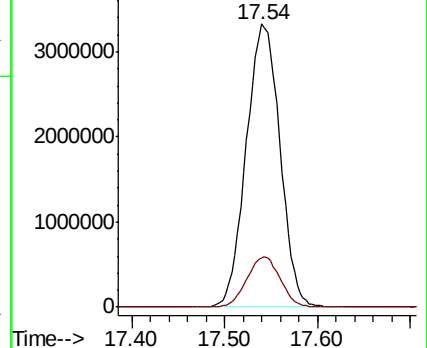
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.14 ppbv

RT: 14.66 min Scan# 4221

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

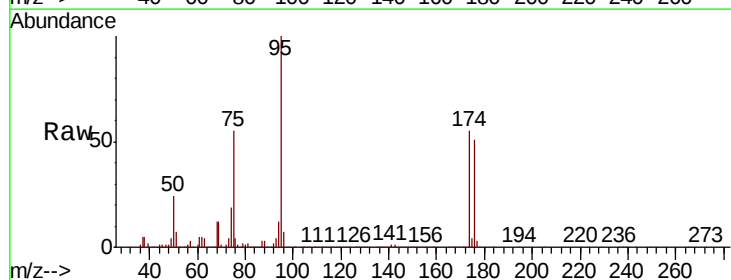
Tgt Ion: 95 Resp: 3770815

Ion Ratio Lower Upper

95 100

174 54.9 45.5 68.3

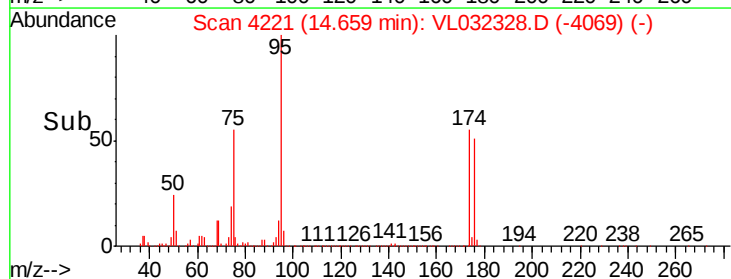
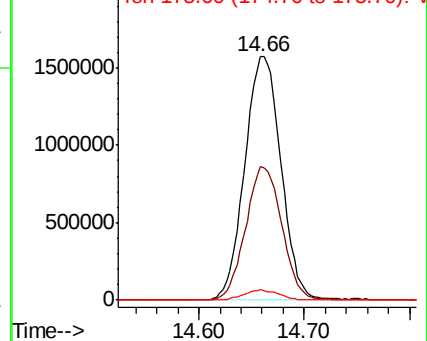
175 4.1 3.3 4.9

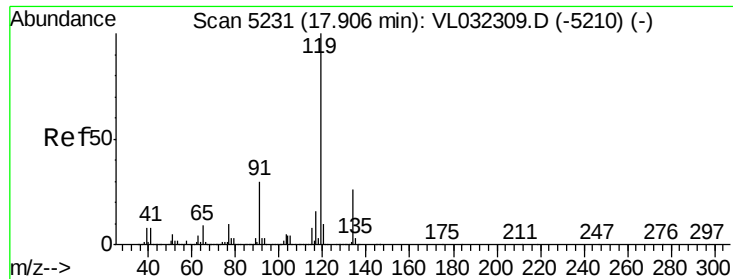


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





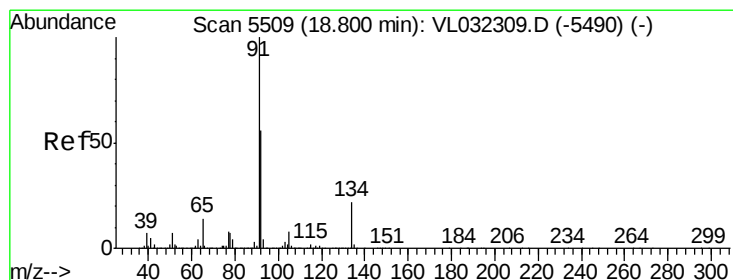
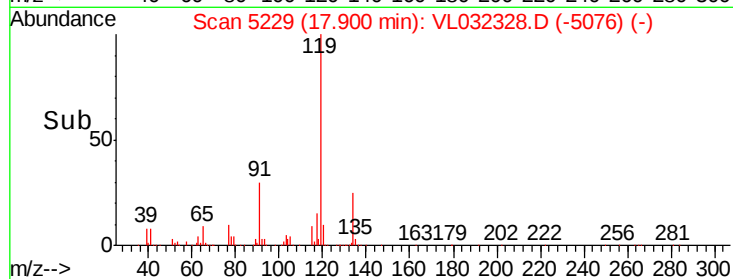
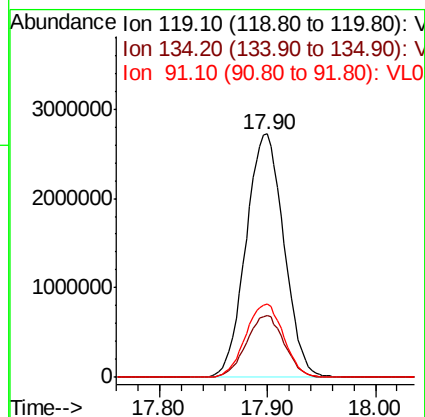
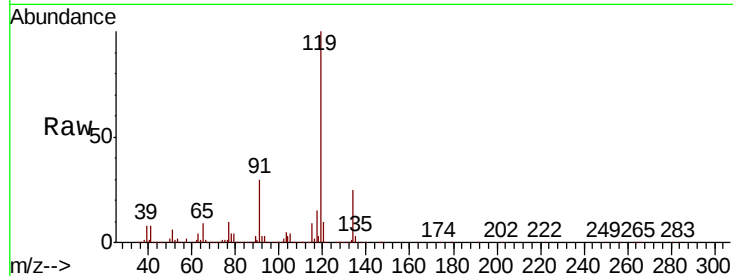
#69
 p-Isopropyltoluene
 Concen: 9.51 ppbv
 RT: 17.90 min Scan# 5229
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	30.2	23.8	35.6

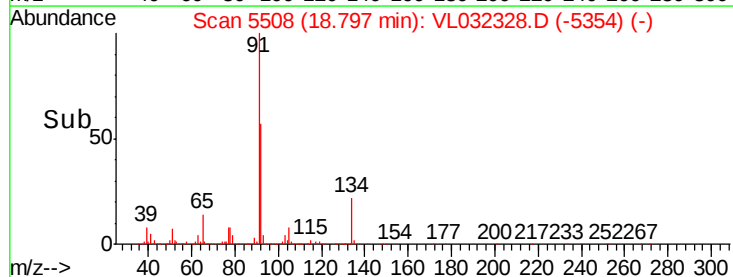
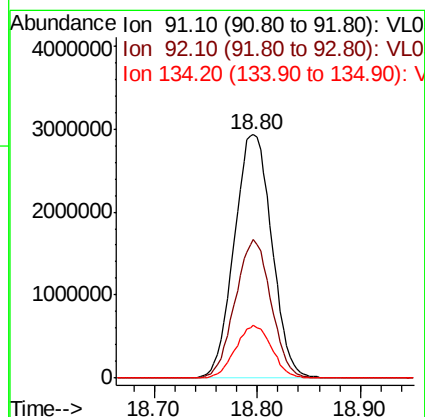
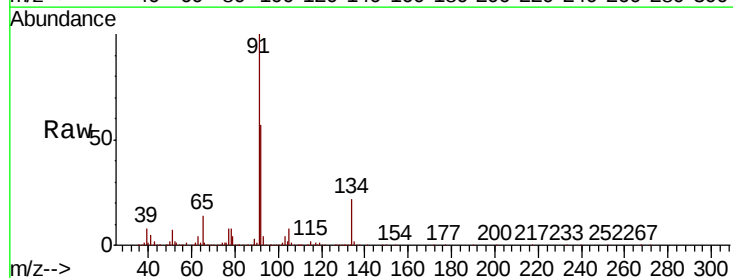
Manual Integrations
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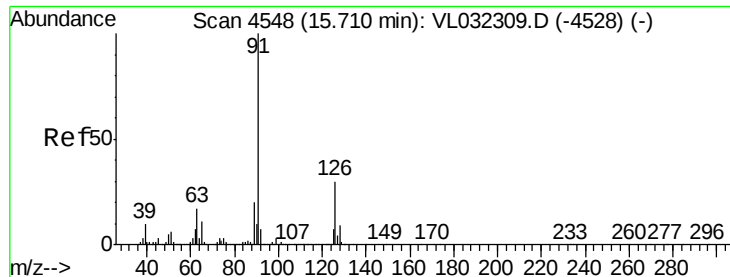
MMDadoda
 8/2/2018 2:04:51 PM



#70
 n-Butylbenzene
 Concen: 9.19 ppbv
 RT: 18.80 min Scan# 5508
 Delta R.T. -0.00 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.2	66.4
134	21.0	17.4	26.2





#71

2-Chlorotoluene

Concen: 9.80 ppbv

RT: 15.70 min Scan# 4546

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5478640

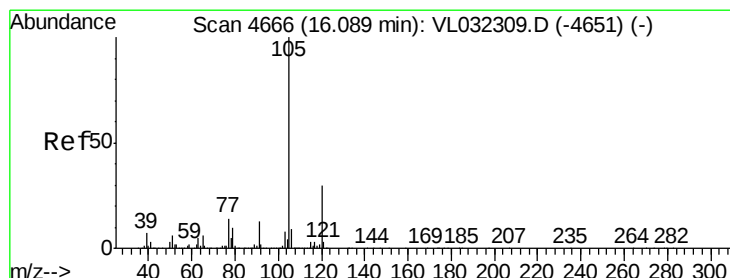
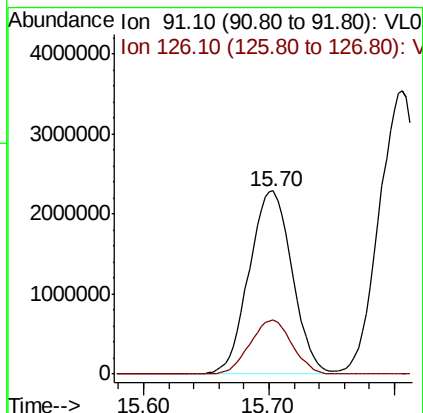
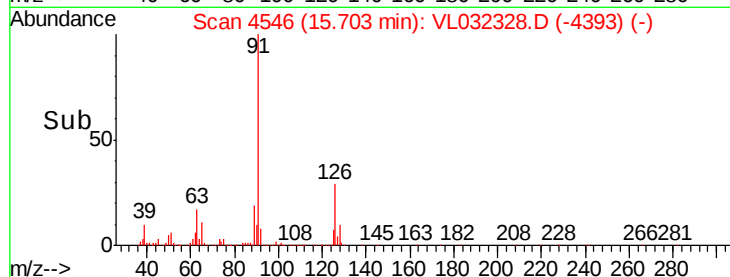
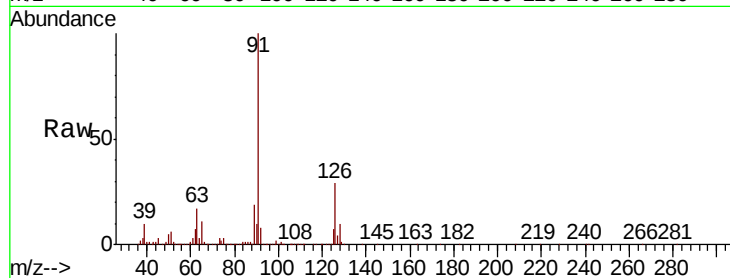
Ion Ratio Lower Upper

91 100

126 28.8 11.8 47.0

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.04 ppbv

RT: 16.08 min Scan# 4664

Delta R.T. -0.01 min

Lab File: VL032328.D

Acq: 1 Aug 2018 16:50

Tgt Ion: 105 Resp: 5642547

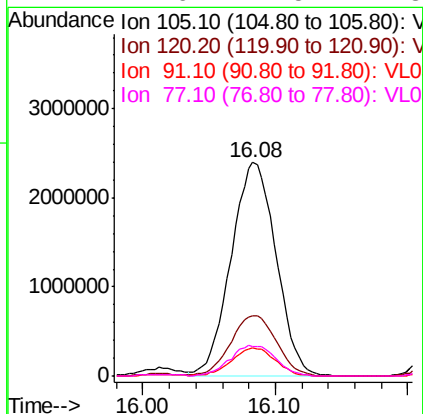
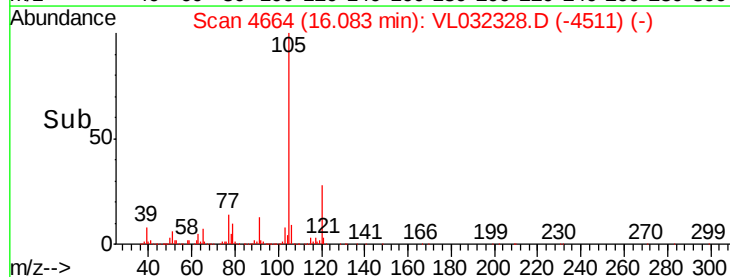
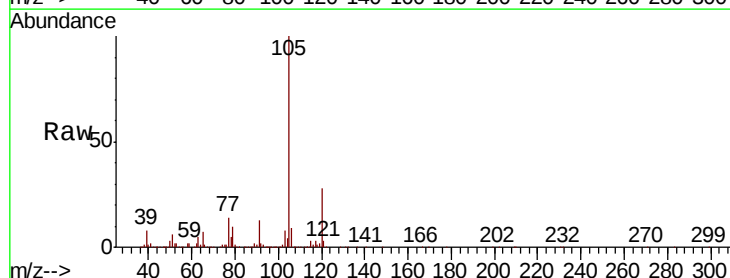
Ion Ratio Lower Upper

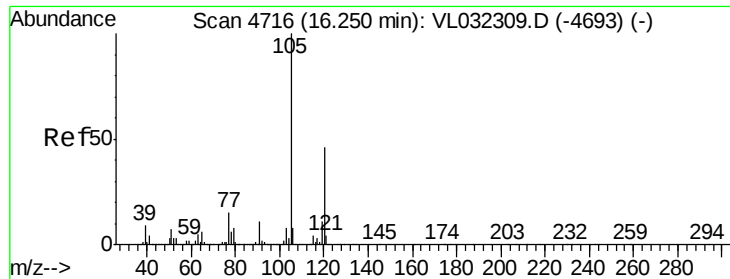
105 100

120 28.8 23.1 34.7

91 12.7 10.0 15.0

77 14.6 11.5 17.3





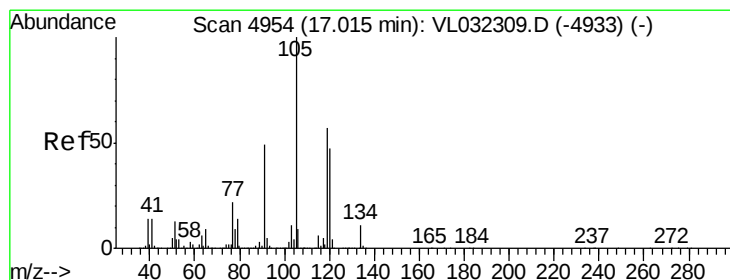
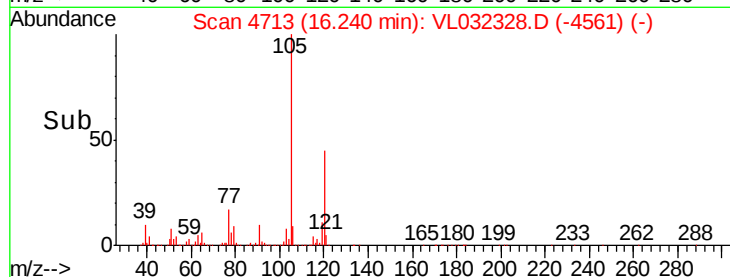
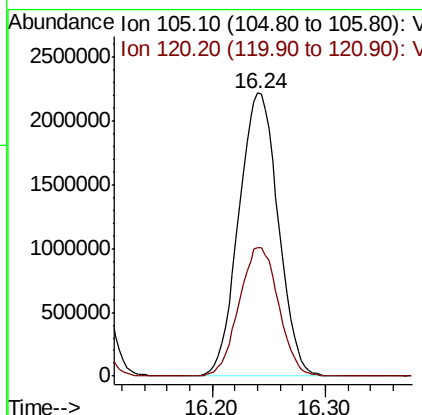
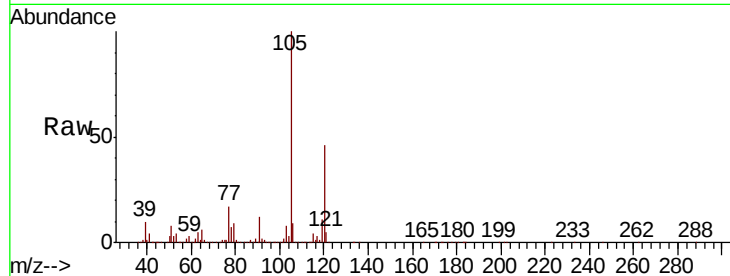
#73
 1,3,5-Trimethylbenzene
 Concen: 9.69 ppbv
 RT: 16.24 min Scan# 4713
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 5362261
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7

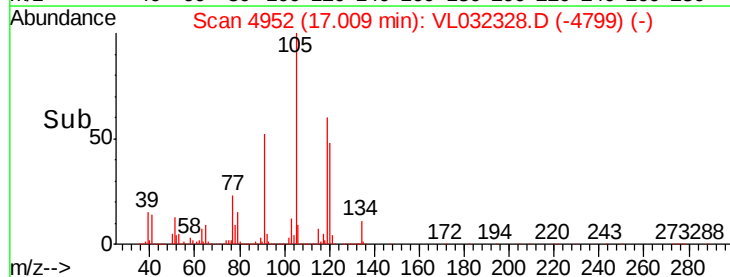
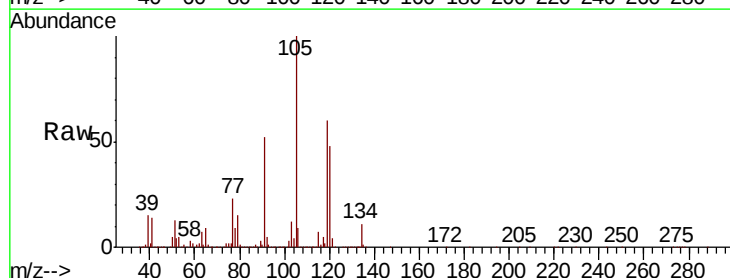
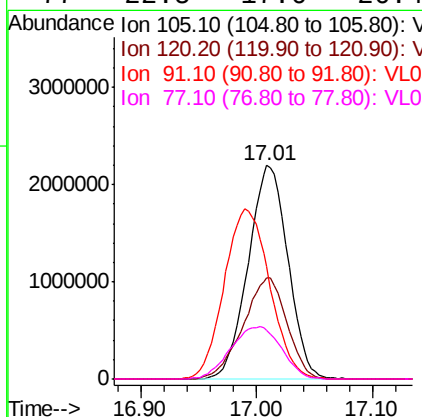
Manual Integrations
 APPROVED

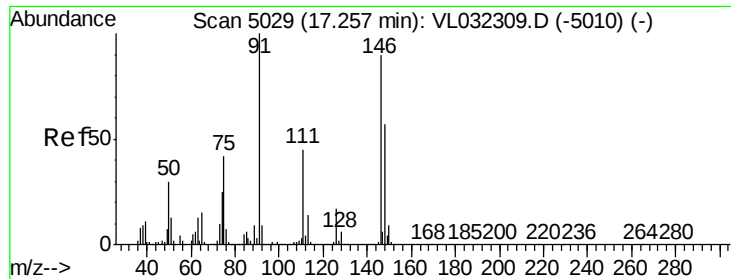
MMDadoda
 8/2/2018 2:04:51 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.98 ppbv
 RT: 17.01 min Scan# 4952
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:105 Resp: 5240407
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.6
 91 52.4 39.4 59.0
 77 22.5 17.6 26.4





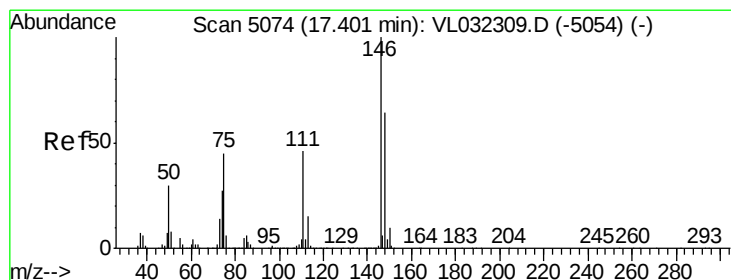
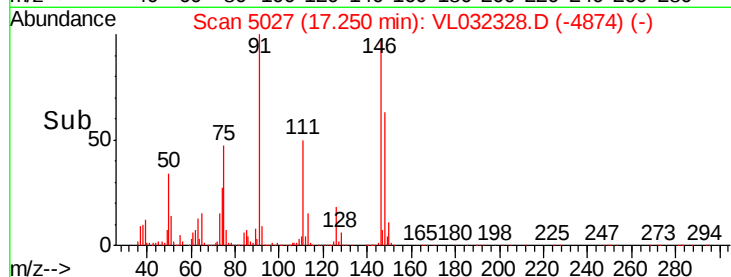
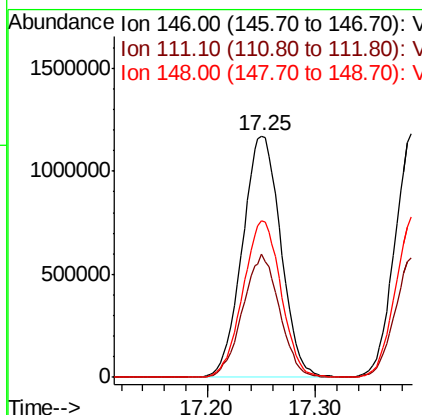
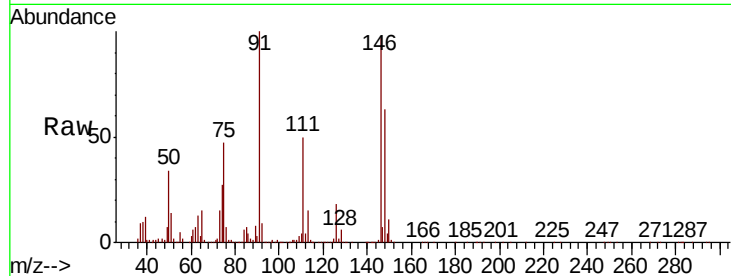
#75
 1,3-Dichlorobenzene
 Concen: 8.56 ppbv
 RT: 17.25 min Scan# 5027
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2891700
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.6 73.8
 148 64.5 31.6 95.0

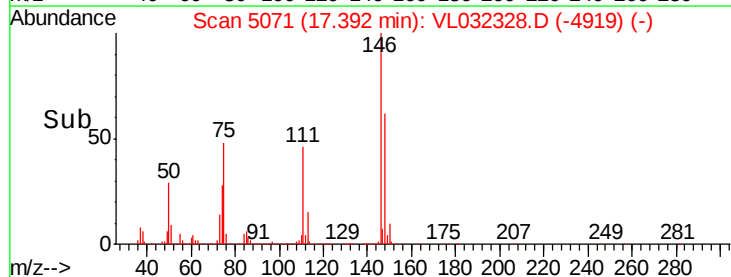
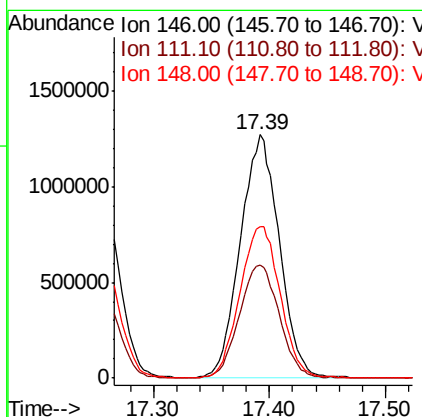
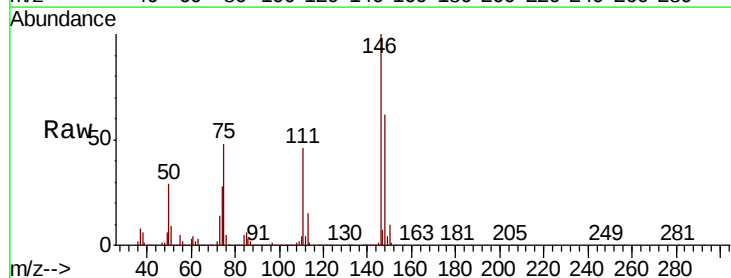
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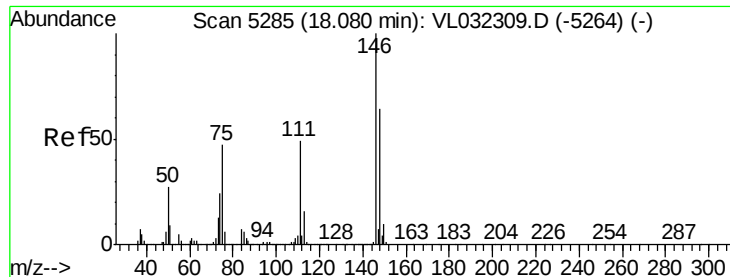
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#76
 1,4-Dichlorobenzene
 Concen: 9.08 ppbv
 RT: 17.39 min Scan# 5071
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion:146 Resp: 2944162
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.6 70.8
 148 65.1 32.1 96.3





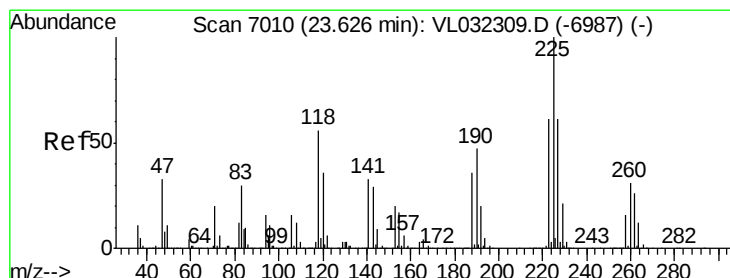
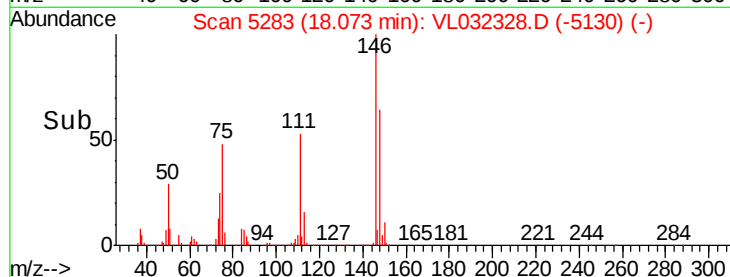
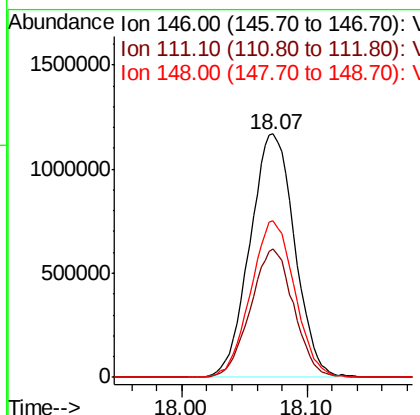
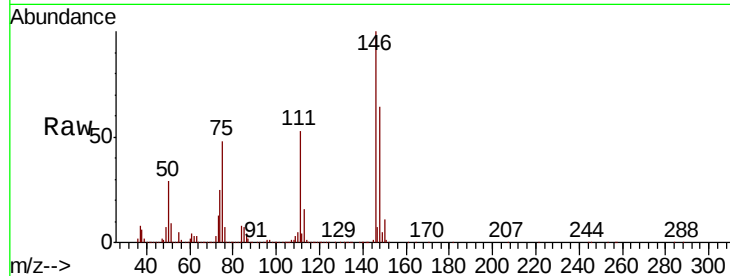
#77
 1,2-Dichlorobenzene
 Concen: 8.71 ppbv
 RT: 18.07 min Scan# 5283
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.0	25.1	75.3
148	63.6	31.9	95.7

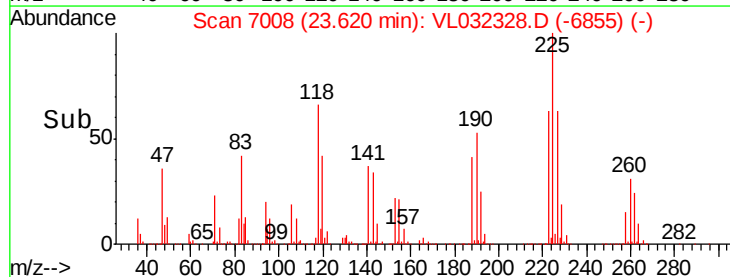
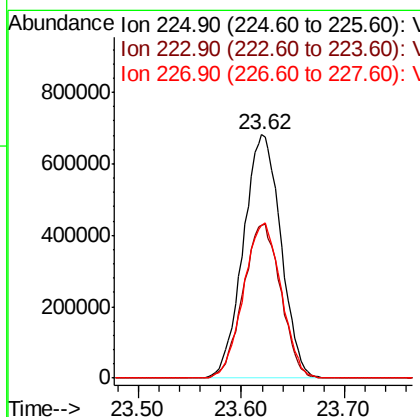
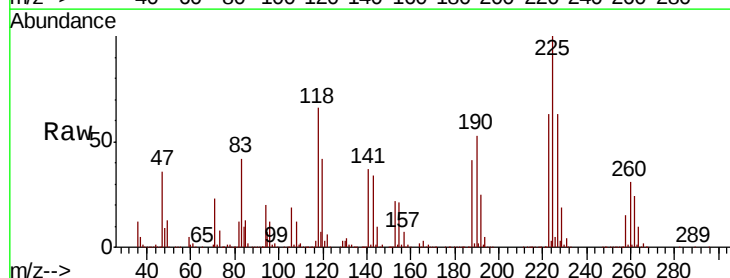
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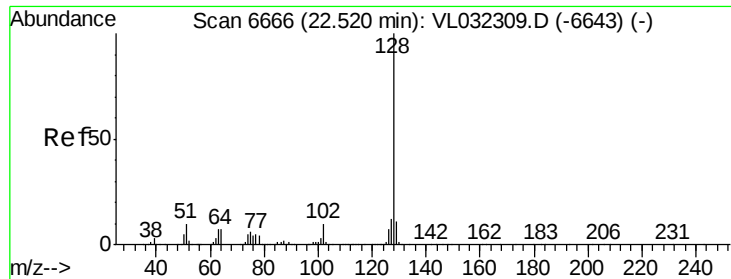
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#78
 Hexachloro-1,3-Butadiene
 Concen: 14.79 ppbv
 RT: 23.62 min Scan# 7008
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.5	75.7
227	63.9	51.3	76.9





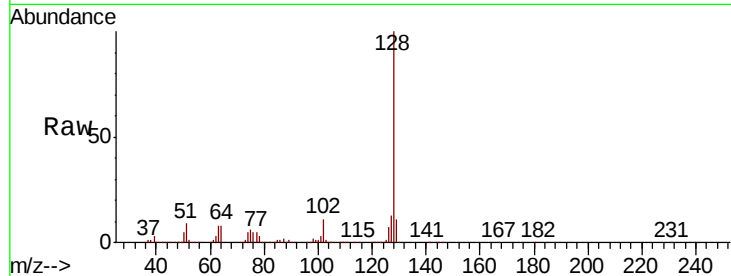
#79
Naphthalene
Concen: 10.00 ppbv
RT: 22.51 min Scan# 6663
Delta R.T. -0.01 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.8	8.8	13.2

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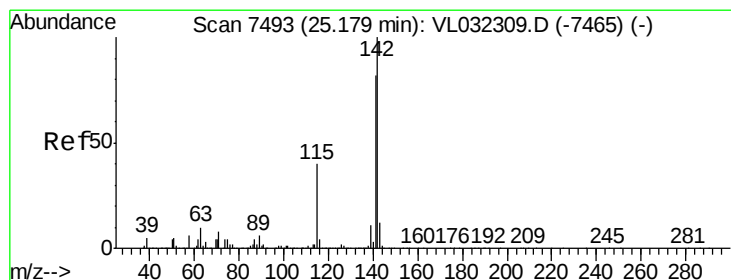
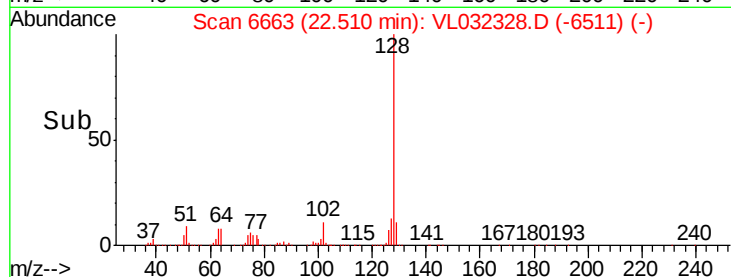
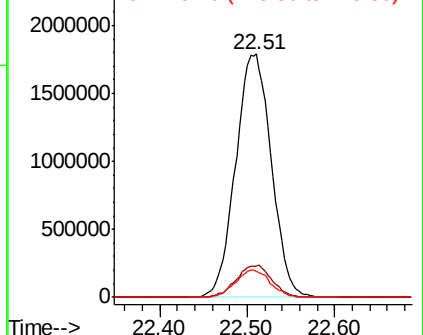


Abundance

Ion 128.10 (127.80 to 128.80): V

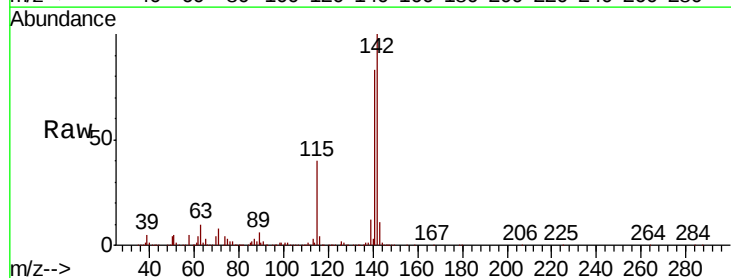
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 10.65 ppbv
RT: 25.18 min Scan# 7492
Delta R.T. -0.00 min
Lab File: VL032328.D
Acq: 1 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	66.7	100.1
115	39.9	31.1	46.7

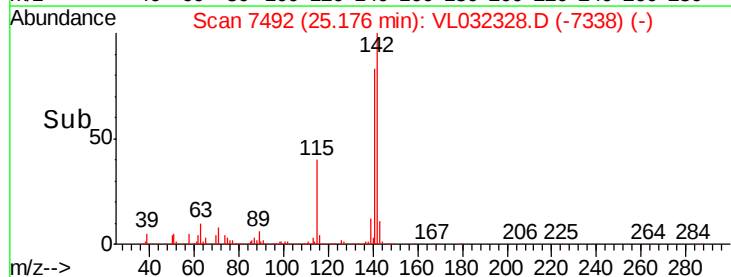
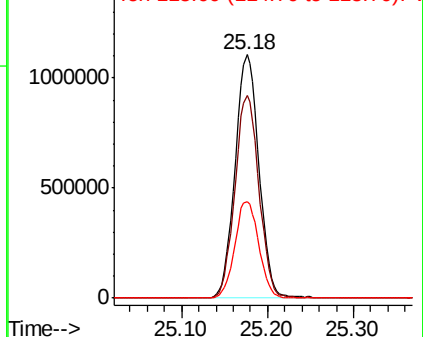


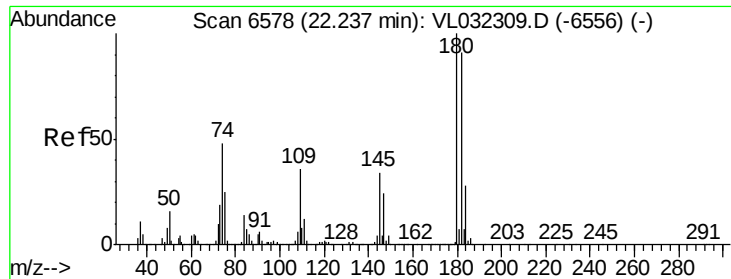
Abundance

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: 9.36 ppbv
 RT: 22.23 min Scan# 6576
 Delta R.T. -0.01 min
 Lab File: VL032328.D
 Acq: 1 Aug 2018 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.2
184	30.6	24.3	36.5

Manual Integrations
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