

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032776.D
 Acq On : 20 Nov 2018 11:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:40 AM

Quant Time: Nov 21 04:13:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1599458	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4085426	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4129312	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2787468	9.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1698130	7.386	ppbv 97
3) Chlorodifluoromethane	3.02	51	1074334	8.472	ppbv 99
4) Chloromethane	3.17	50	606985	8.632	ppbv 99
5) Vinyl Chloride	3.30	62	625450	8.395	ppbv 99
6) Bromomethane	3.52	94	408039	8.952	ppbv 91
7) Chloroethane	3.61	64	238340	8.876	ppbv 99
8) Dichlorotetrafluoroethane	3.23	85	1520519	8.393	ppbv 96
9) Propene	3.04	41	481897	9.496	ppbv 99
10) Heptane	8.26	43	1922466	9.923	ppbv 100
11) Trichlorofluoromethane	4.01	101	2552206	11.779	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1461658	8.259	ppbv 94
13) Ethanol	3.66	45	119624	7.197	ppbv 95
14) Bromoethene	3.80	108	535209	9.115	ppbv 99
15) Acetone	3.91	43	1101069	7.538	ppbv 99
16) 1,3-Butadiene	3.37	39	539835	9.543	ppbv 94
17) tert-Butyl alcohol	4.36	59	517226	11.290	ppbv 100
18) 1,1-Dichloroethene	4.36	96	819661	9.418	ppbv 99
19) Isopropyl Alcohol	4.03	45	1396151	14.348	ppbv # 99
20) Methylene Chloride	4.42	84	678835	8.977	ppbv 99
21) Allyl Chloride	4.49	41	1257595	10.245	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	827741	9.740	ppbv 95
23) Vinyl Acetate	5.17	43	2618501	9.834	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1898222	8.967	ppbv 98
25) Ethyl Acetate	5.78	43	3353572	9.851	ppbv 100
26) Hexane	5.79	57	1531015	10.103	ppbv 99
27) Carbon Disulfide	4.63	76	2066113	10.752	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	2419571	10.012	ppbv 99
29) Chloroform	5.86	83	2552810	9.451	ppbv 99
30) Cyclohexane	7.26	84	1366275	10.308	ppbv 96
31) cis-1,2-Dichloroethene	5.65	61	1494243	9.807	ppbv 100
32) 1,1,1-Trichloroethane	6.63	97	2574896	8.697	ppbv 98
34) 2-Butanone	5.34	43	2074161	9.789	ppbv 99
35) Carbon Tetrachloride	7.15	117	2809989	8.556	ppbv 99
36) Benzene	7.02	78	3206625	9.857	ppbv 100
37) 1,2-Dichloroethane	6.43	62	1903089	8.690	ppbv 98
38) Trichloroethene	7.97	130	1294205	9.830	ppbv 99
39) 1,2-Dichloropropane	7.75	63	1190117	9.601	ppbv 98
40) 1,4-Dioxane	7.97	88	448911	10.140	ppbv 85
41) Tetrahydrofuran	6.16	42	1272735	10.471	ppbv 99
42) Bromodichloromethane	7.93	83	2748830	9.259	ppbv 98
43) Methyl Methacrylate	8.15	69	1255443	10.337	ppbv 98

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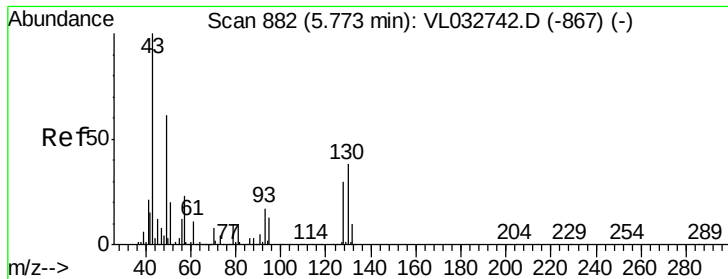
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5271201	9.696	ppbv	98
45) t-1,3-Dichloropropene	9.43	75	1885821	11.571	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	2154744	10.943	ppbv	97
47) 1,1,2-Trichloroethane	9.63	97	1437383	9.807	ppbv	98
48) Dibromochloromethane	10.46	129	2470554	9.917	ppbv	100
49) Bromoform	13.22	173	2112202	10.267	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3264231	9.863	ppbv	98
51) 2-Hexanone	10.28	43	2307626	10.823	ppbv #	99
52) Tetrachloroethene	11.39	164	1181510	10.440	ppbv	97
53) Toluene	9.96	91	3762499	11.086	ppbv	100
54) 1,2-Dibromoethane	10.78	107	2067443	9.979	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1707312	8.865	ppbv	100
57) Chlorobenzene	12.32	112	2849907	9.016	ppbv	97
58) Ethyl Benzene	12.88	91	5023483	10.108	ppbv	97
59) m/p-Xylene	13.16	91	8340555m	18.853	ppbv	
60) o-Xylene	13.87	91	4015118	9.026	ppbv	98
61) Styrene	13.70	104	3115827	10.760	ppbv	98
62) Isopropylbenzene	14.84	105	5823856	9.686	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2692174	7.764	ppbv	99
64) n-propylbenzene	15.73	120	1484074	9.384	ppbv	95
65) tert-Butylbenzene	16.92	119	5068063	9.403	ppbv	97
66) Benzyl Chloride	17.17	91	3047325	10.227	ppbv	99
67) sec-Butylbenzene	17.47	105	7407731	9.537	ppbv	99
69) p-Isopropyltoluene	17.83	119	5889126	9.535	ppbv	98
70) n-Butylbenzene	18.73	91	5830961	9.298	ppbv	99
71) 2-Chlorotoluene	15.63	91	4259871	9.500	ppbv	98
72) 4-Ethyltoluene	16.01	105	4738523	9.719	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4738523	9.940	ppbv #	76
74) 1,2,4-Trimethylbenzene	16.94	105	4494679	8.811	ppbv	93
75) 1,3-Dichlorobenzene	17.18	146	2596712	8.874	ppbv	98
76) 1,4-Dichlorobenzene	17.32	146	2691803	9.848	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2503287	9.247	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1701354	11.645	ppbv	99
79) Naphthalene	22.43	128	3978389	11.872	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	1437851	17.131	ppbv	97
81) 1,2,4-Trichlorobenzene	22.15	180	1984377	11.792	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032776.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1599458

Ion Ratio Lower Upper

49 100

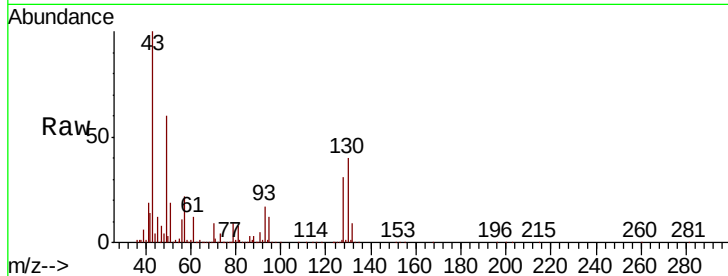
128 53.0 24.9 74.6

130 67.5 31.4 94.2

Manual Integrations
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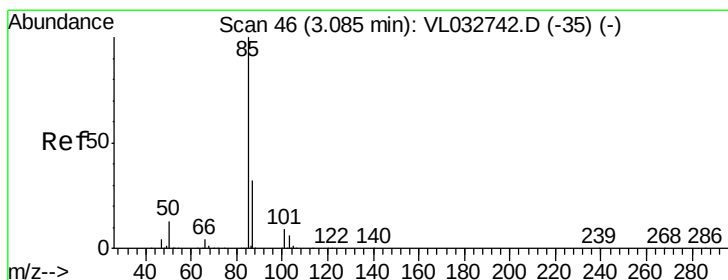
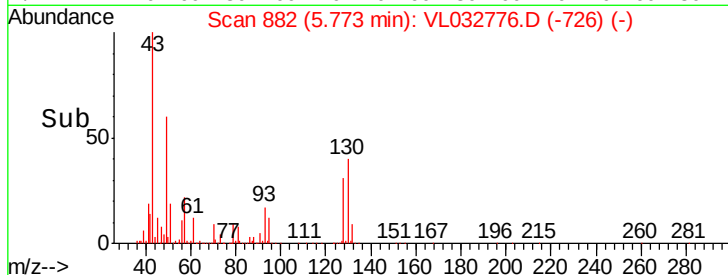
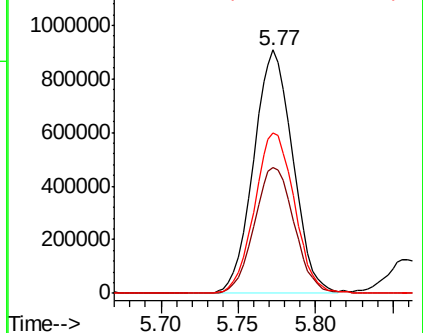
11/26/2018 9:18:40 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.386 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032776.D

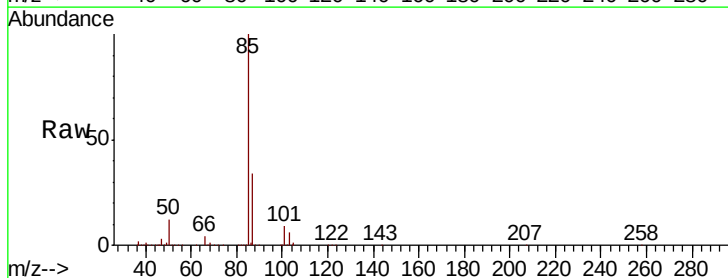
Acq: 20 Nov 2018 11:57

Tgt Ion: 85 Resp: 1698130

Ion Ratio Lower Upper

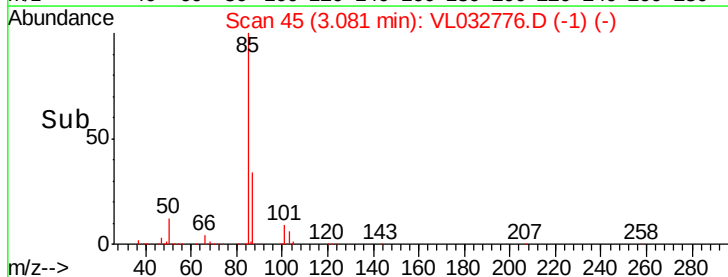
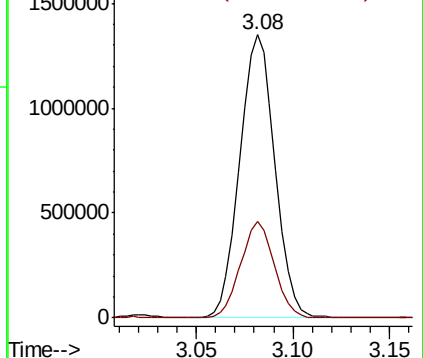
85 100

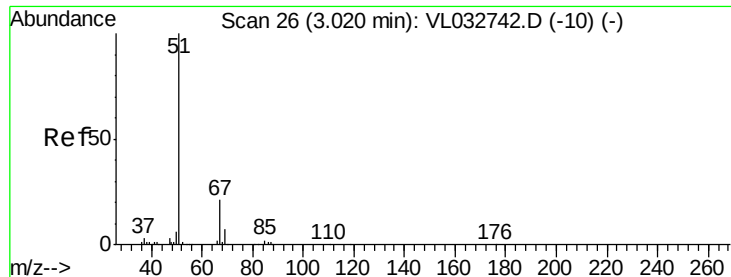
87 34.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.472 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Tot Ion: 51 Resp: 1074334

Ion Ratio Lower Upper

51 100

67 19.7 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

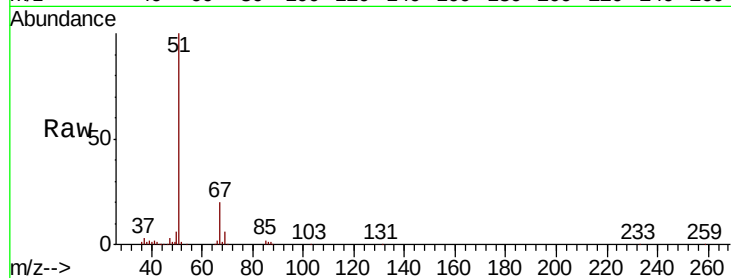
VSTDCCC010

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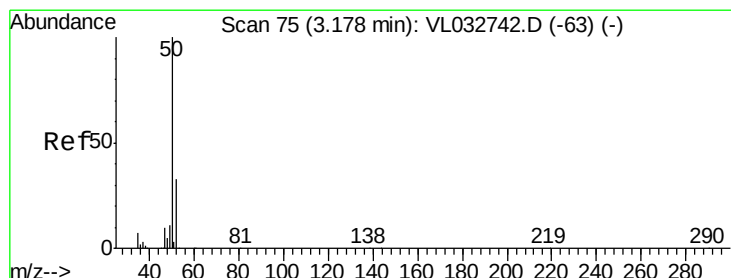
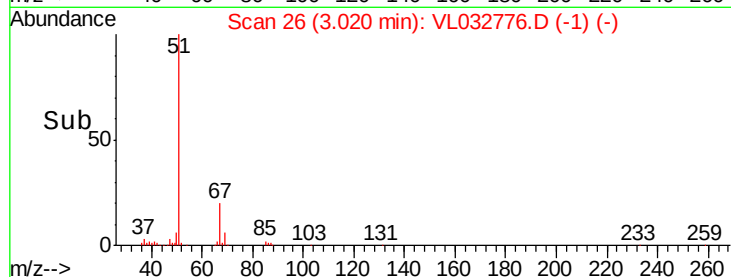
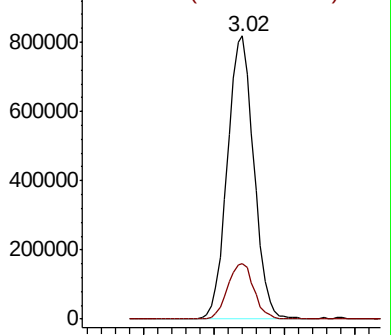
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.632 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032776.D

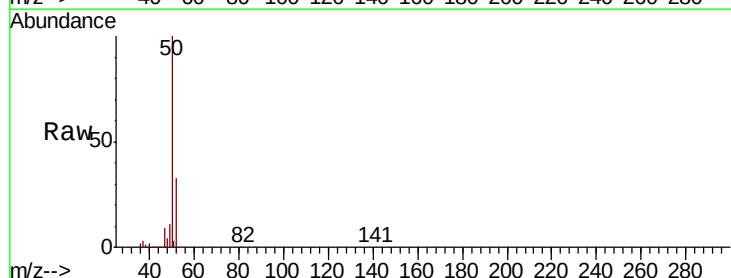
Acq: 20 Nov 2018 11:57

Tgt Ion: 50 Resp: 606985

Ion Ratio Lower Upper

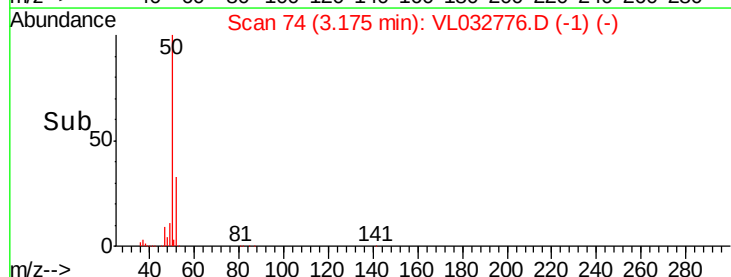
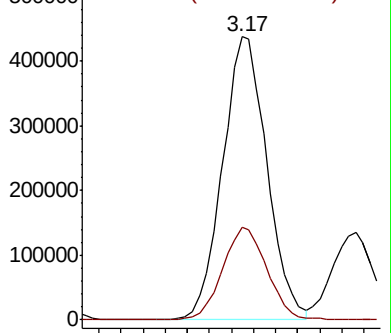
50 100

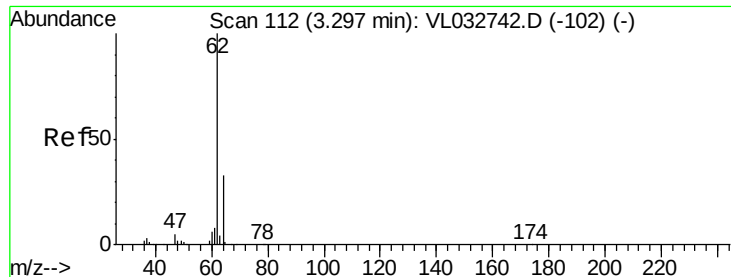
52 32.8 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.395 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 625450

Ion Ratio Lower Upper

62 100

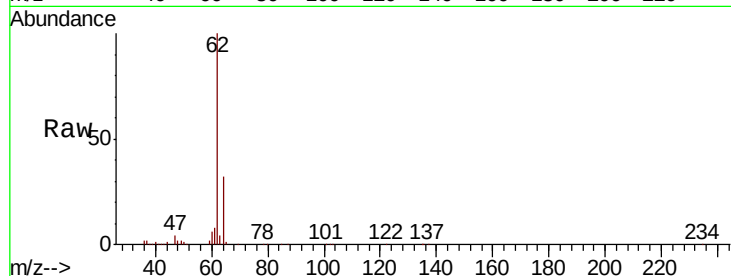
64 32.1 26.2 39.4

Manual Integrations

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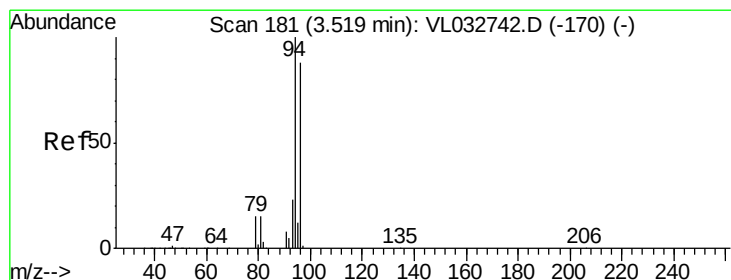
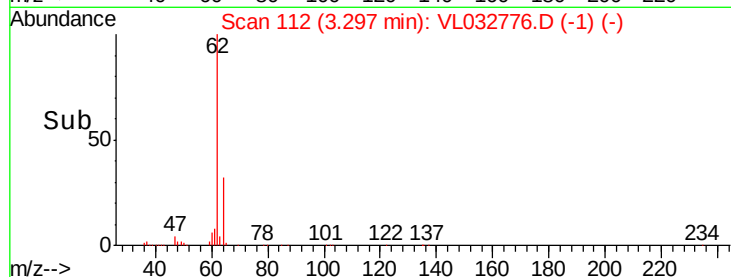
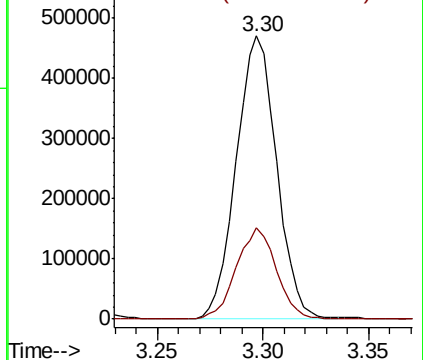
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.952 ppbv

RT: 3.52 min Scan# 181

Delta R.T. -0.00 min

Lab File: VL032776.D

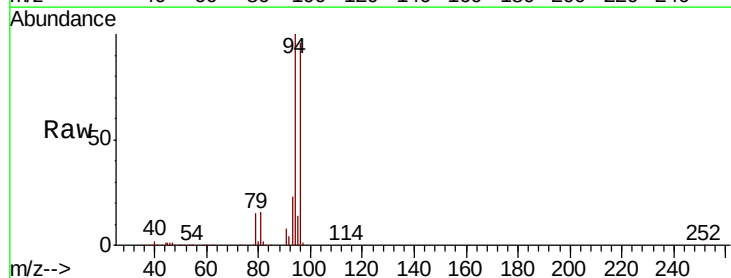
Acq: 20 Nov 2018 11:57

Tgt Ion: 94 Resp: 408039

Ion Ratio Lower Upper

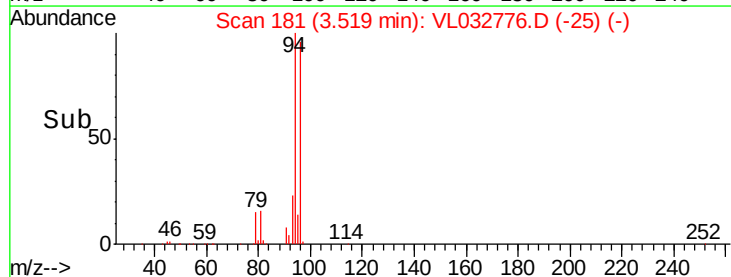
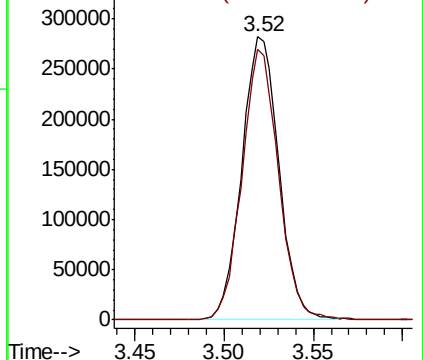
94 100

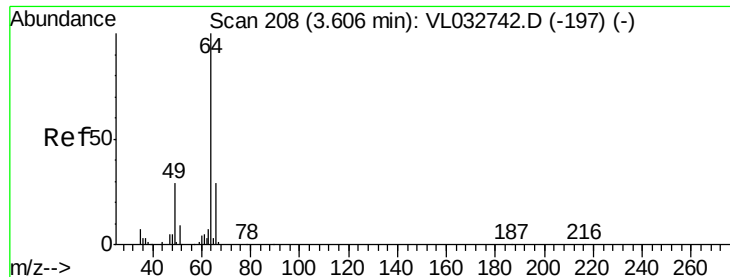
96 95.6 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.876 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 238340

Ion Ratio Lower Upper

64 100

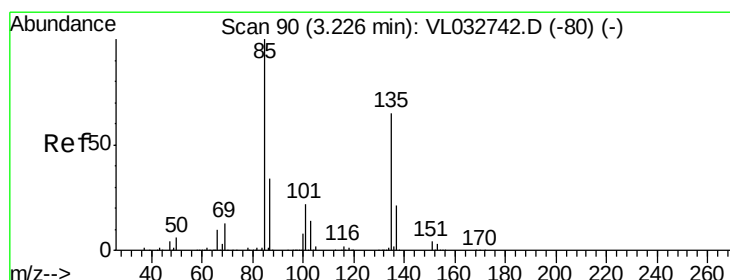
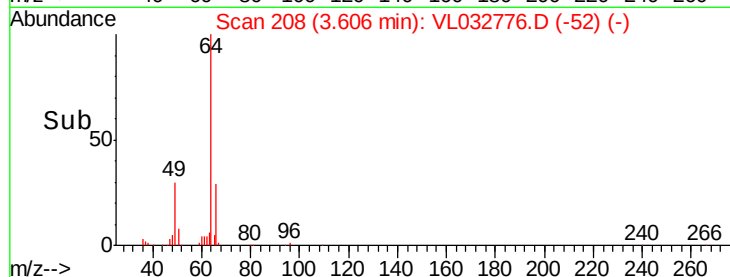
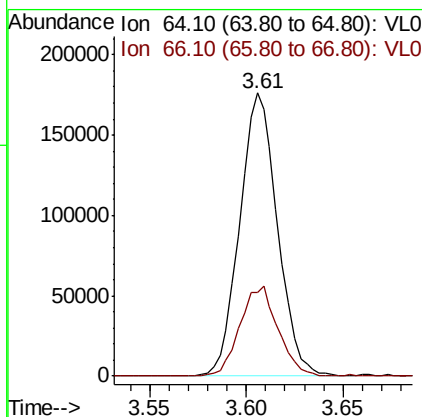
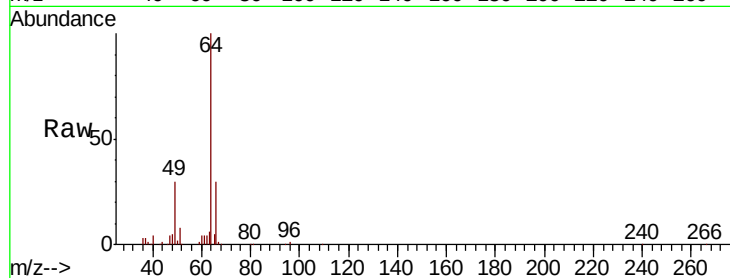
66 29.8 23.2 34.8

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#8

Dichlorotetrafluoroethane

Concen: 8.393 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032776.D

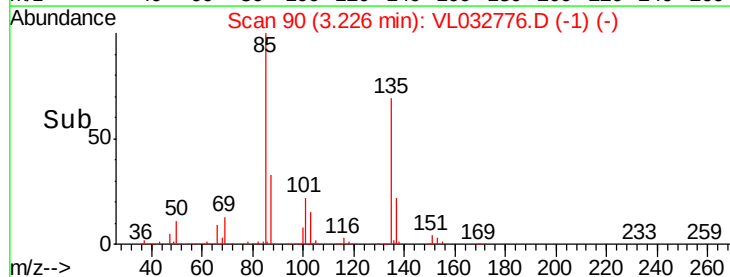
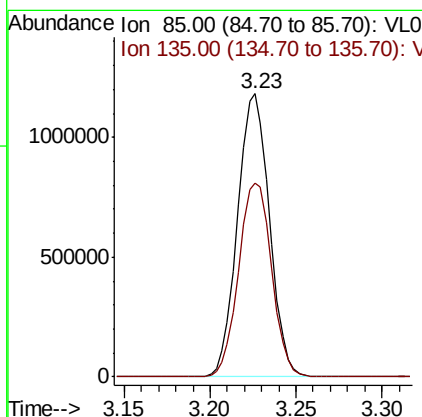
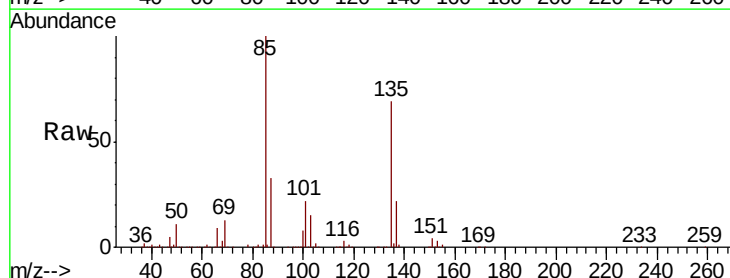
Acq: 20 Nov 2018 11:57

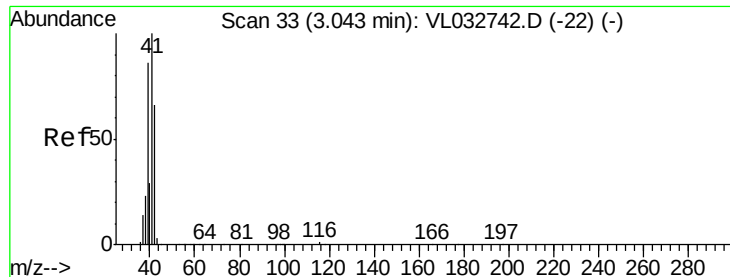
Tgt Ion: 85 Resp: 1520519

Ion Ratio Lower Upper

85 100

135 70.9 53.8 80.8





#9

Propene

Concen: 9.496 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 481897

Ion Ratio Lower Upper

41 100

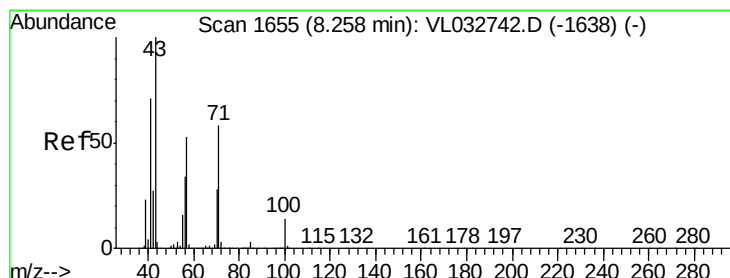
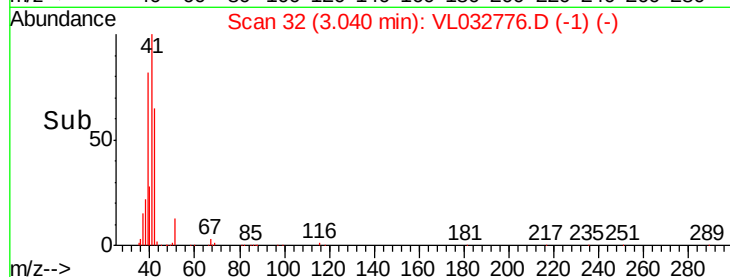
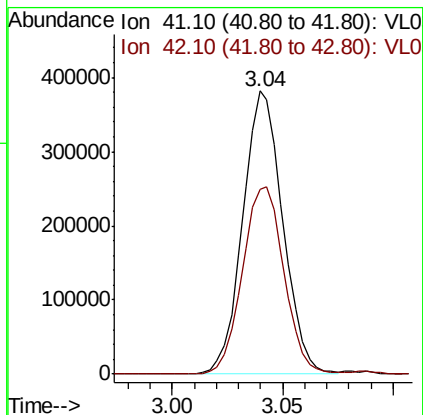
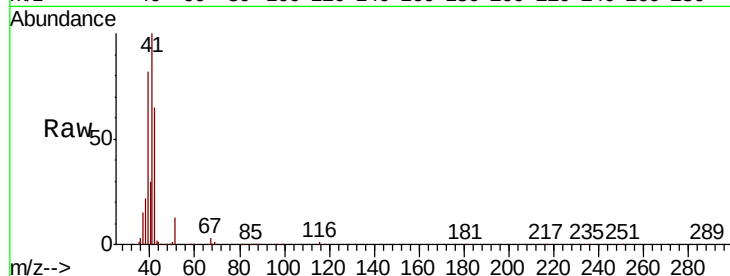
42 69.4 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 9.923 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032776.D

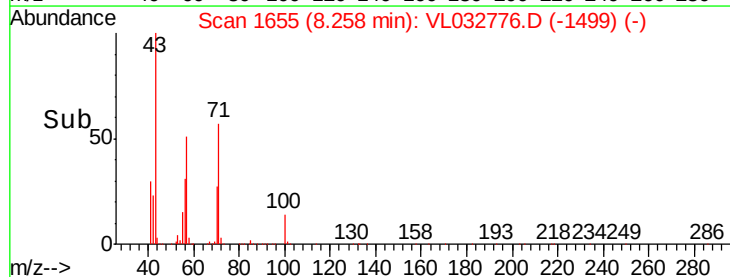
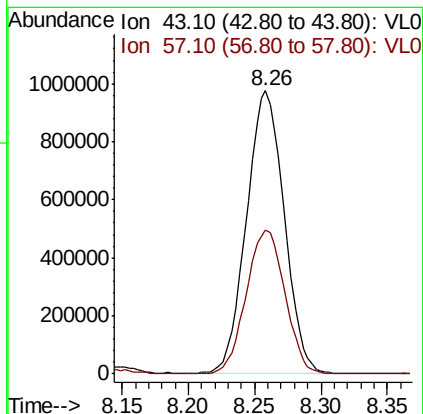
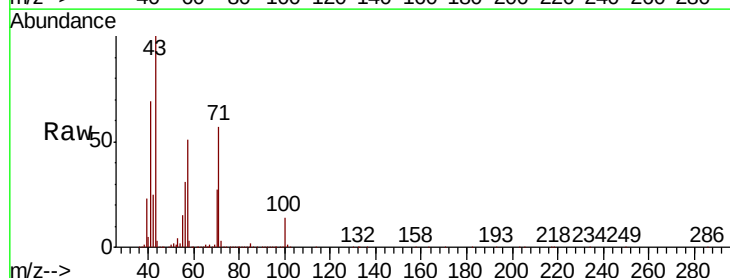
Acq: 20 Nov 2018 11:57

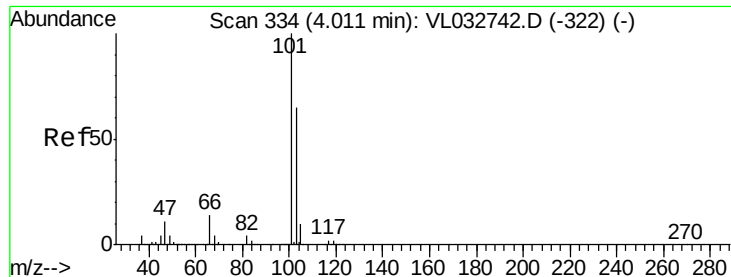
Tgt Ion: 43 Resp: 1922466

Ion Ratio Lower Upper

43 100

57 52.3 41.8 62.8





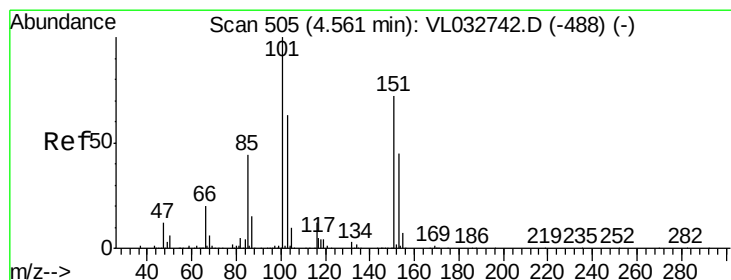
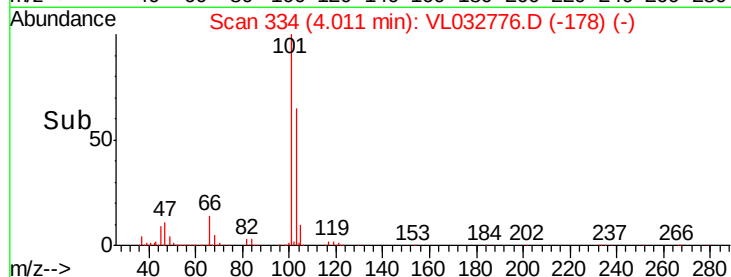
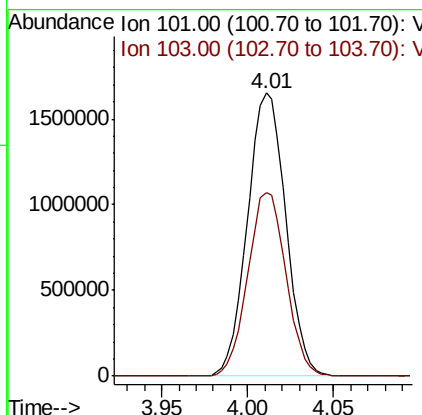
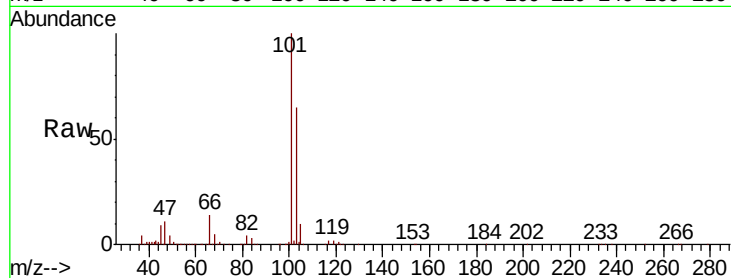
#11
 Trichlorofluoromethane
 Concen: 11.779 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2552206
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4

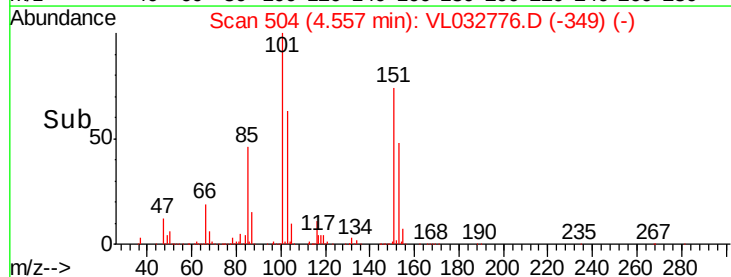
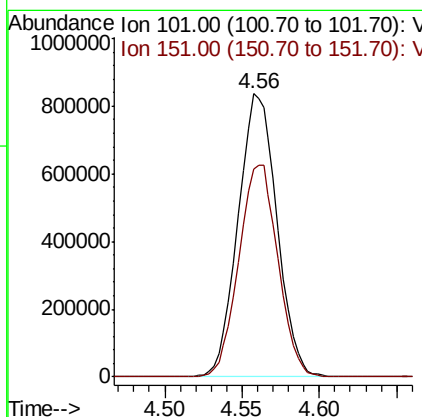
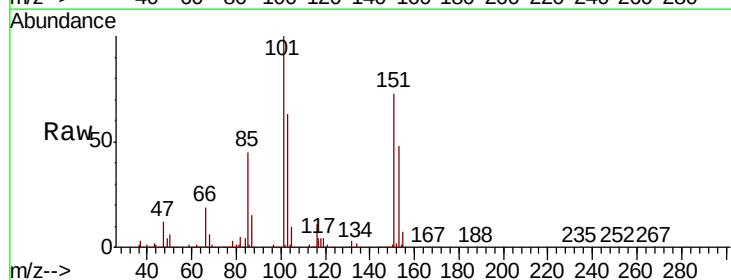
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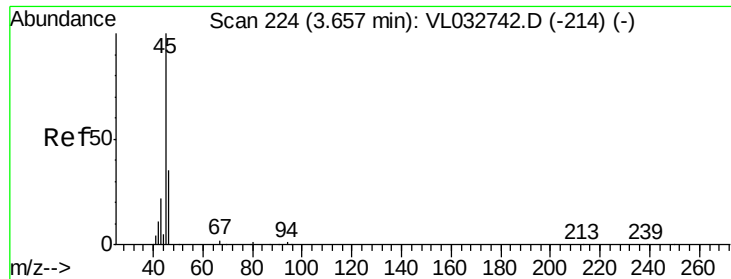
MMDadoda
 11/26/2018 9:18:40 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.259 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion:101 Resp: 1461658
 Ion Ratio Lower Upper
 101 100
 151 75.7 56.7 85.1





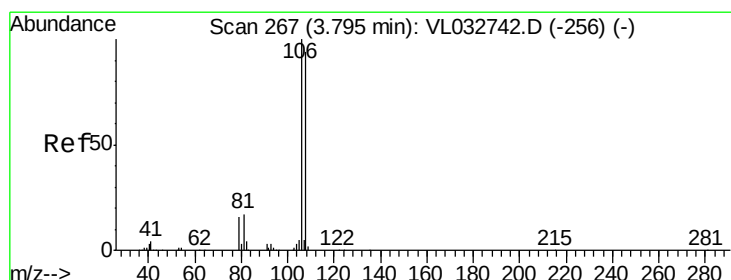
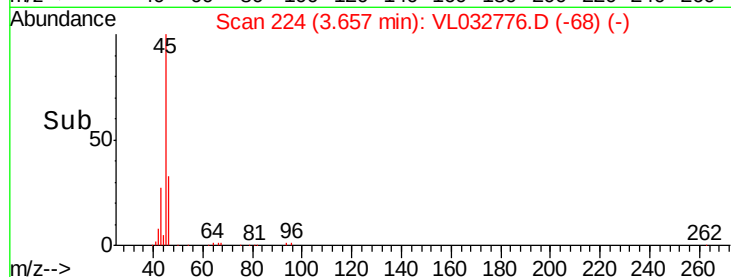
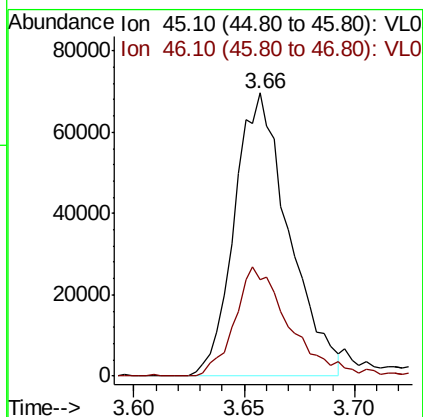
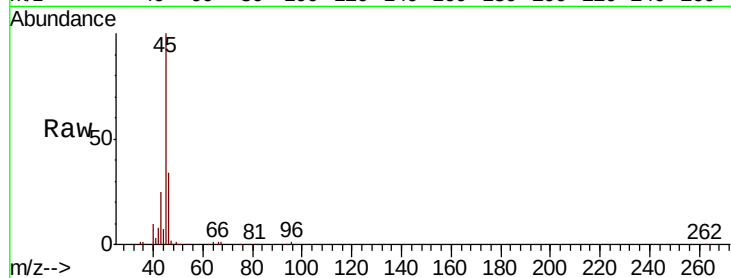
#13
Ethanol
Concen: 7.197 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
119624	100	39.1		14.5	57.9

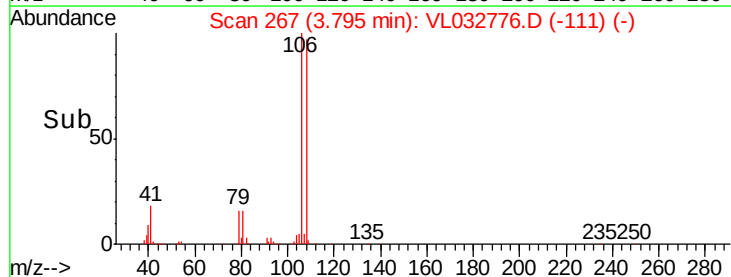
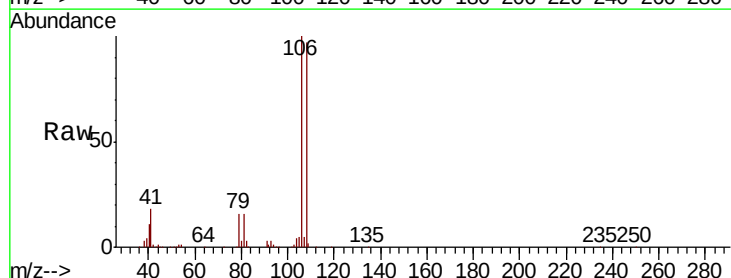
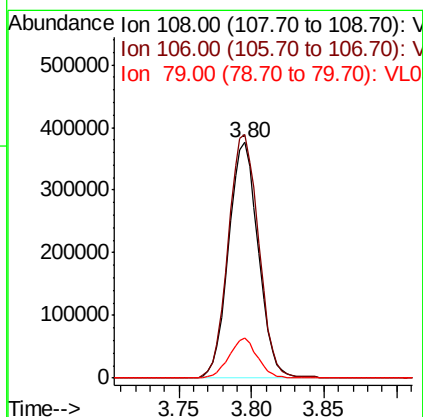
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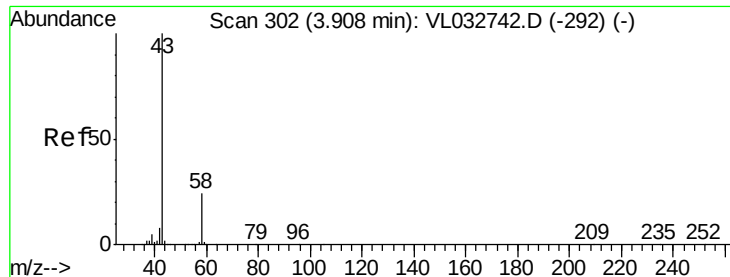
MMDadoda
11/26/2018 9:18:40 AM



#14
Bromoethene
Concen: 9.115 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	108	106	79	Ratio	Lower	Upper
535209	100	106.6	16.4		84.9	127.3





#15

Acetone

Concen: 7.538 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1101069

Ion Ratio Lower Upper

43 100

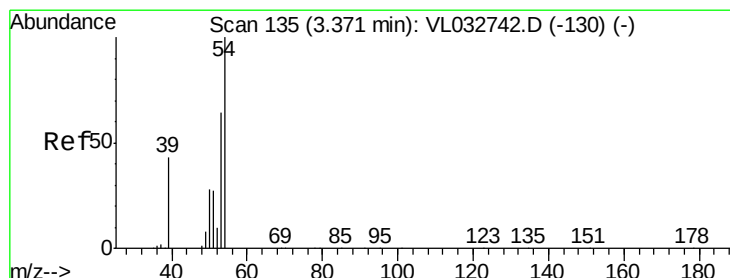
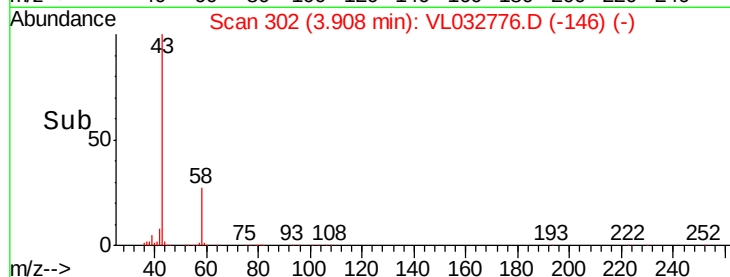
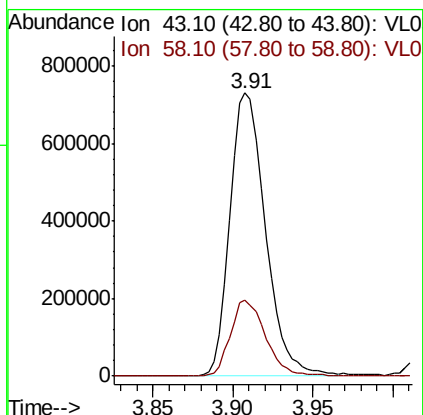
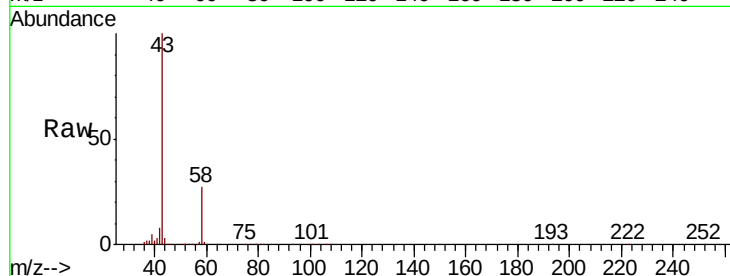
58 26.7 21.1 31.7

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#16

1,3-Butadiene

Concen: 9.543 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032776.D

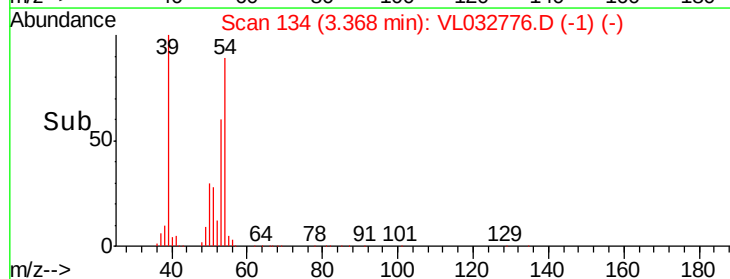
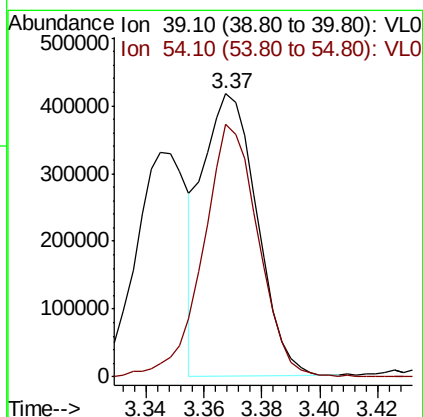
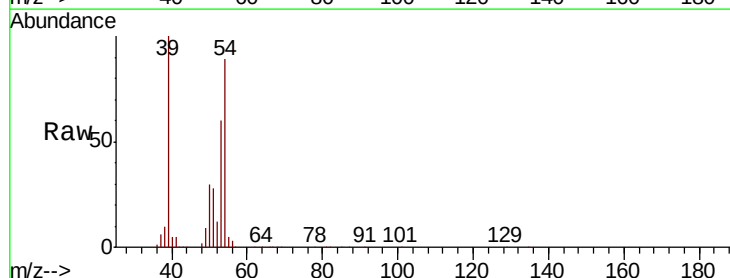
Acq: 20 Nov 2018 11:57

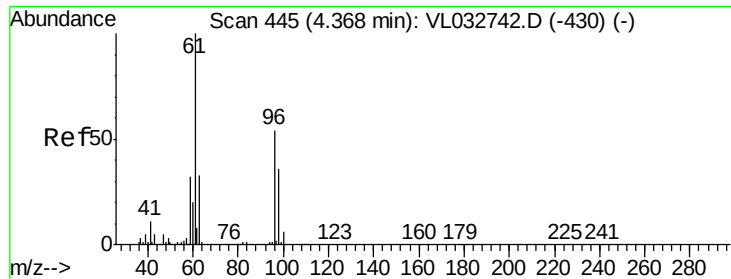
Tgt Ion: 39 Resp: 539835

Ion Ratio Lower Upper

39 100

54 92.0 68.9 103.3





#17

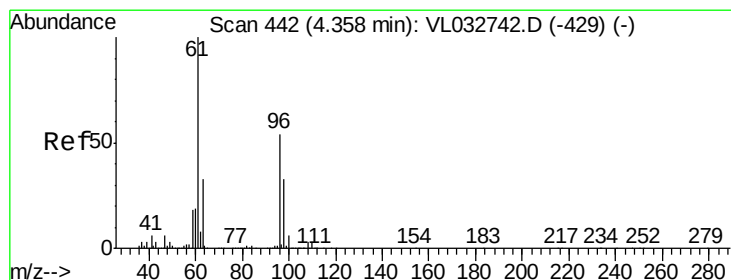
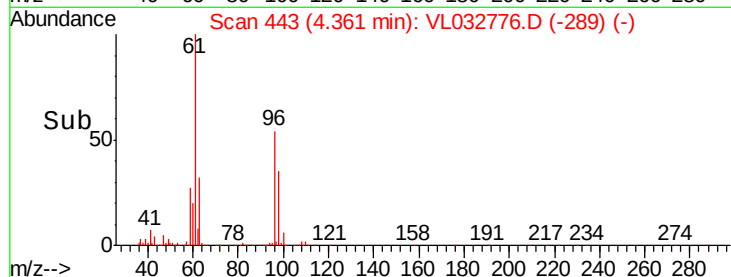
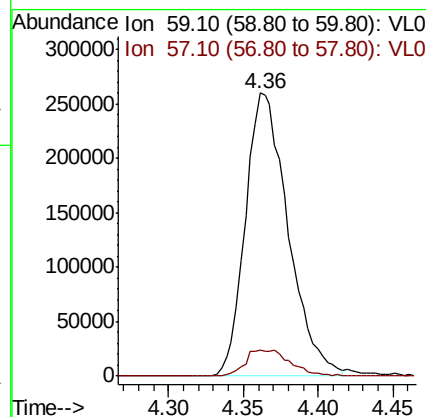
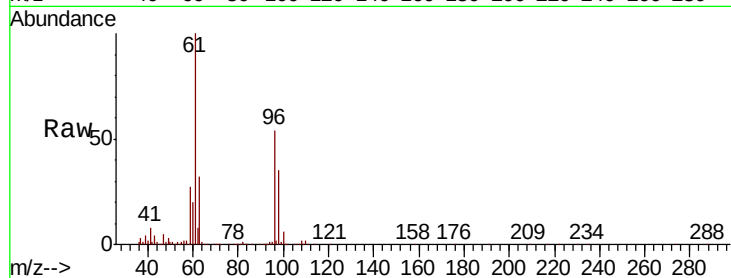
tert-Butyl alcohol
Concen: 11.290 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.01 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

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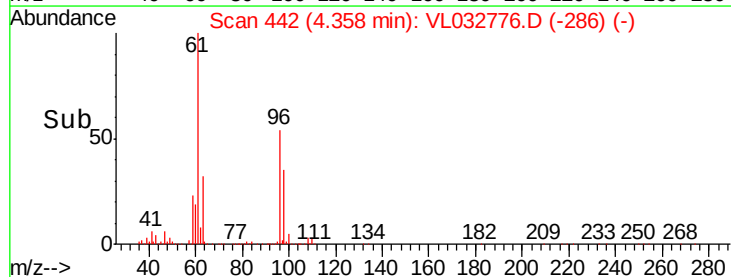
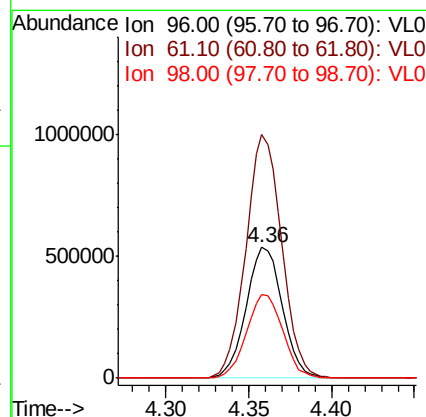
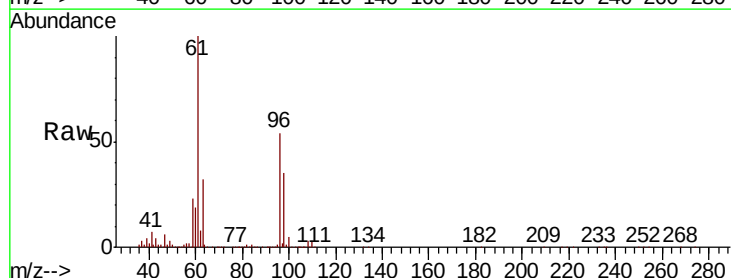
MMDadoda
11/26/2018 9:18:40 AM

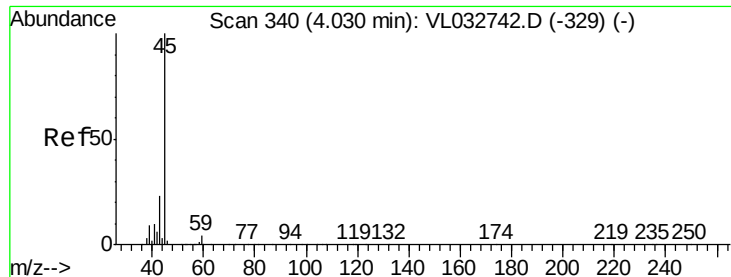


#18

1,1-Dichloroethene
Concen: 9.418 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.0	148.5	222.7
98	64.2	48.6	72.8





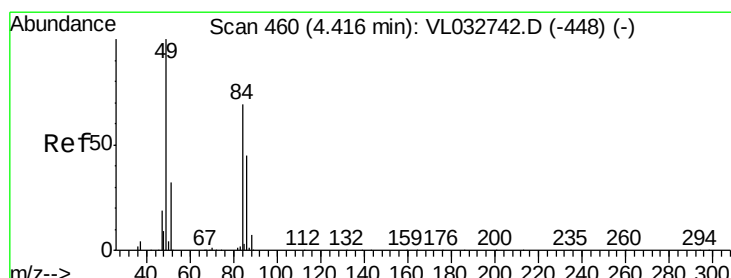
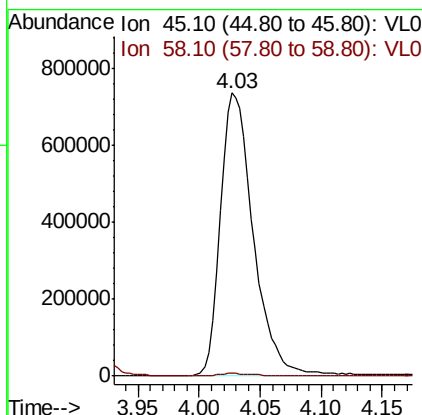
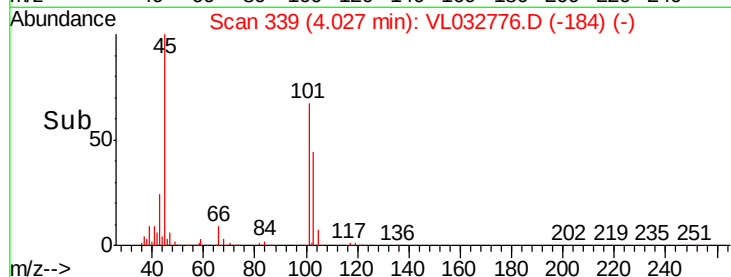
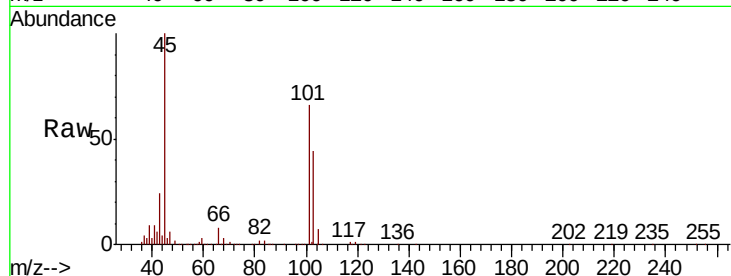
#19
Isopropyl Alcohol
Concen: 14.348 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 1396151
Ion Ratio Lower Upper
45 100
58 1.3 1.4 2.0#

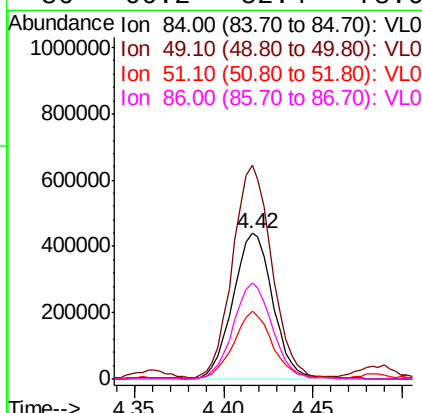
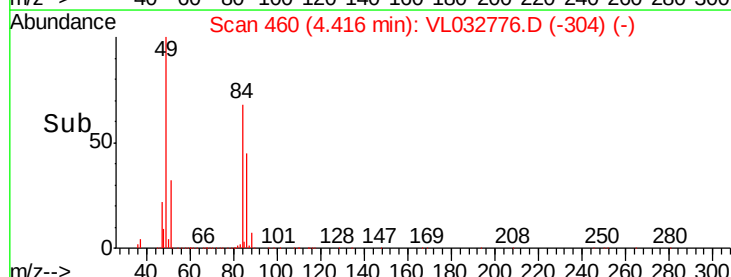
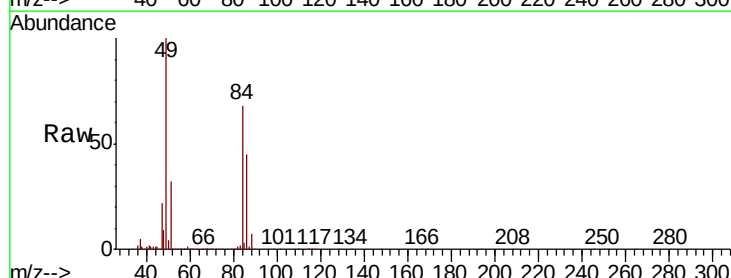
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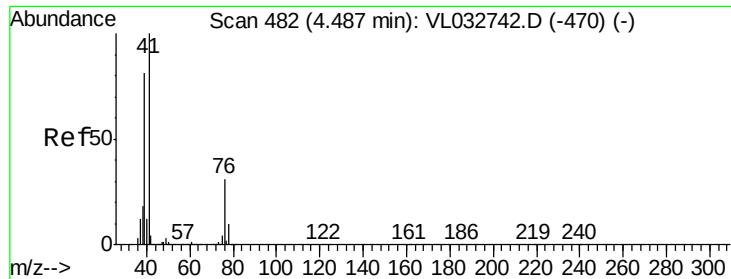
MMDadoda
11/26/2018 9:18:40 AM



#20
Methylene Chloride
Concen: 8.977 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion: 84 Resp: 678835
Ion Ratio Lower Upper
84 100
49 146.0 115.8 173.6
51 46.2 36.9 55.3
86 66.2 52.4 78.6





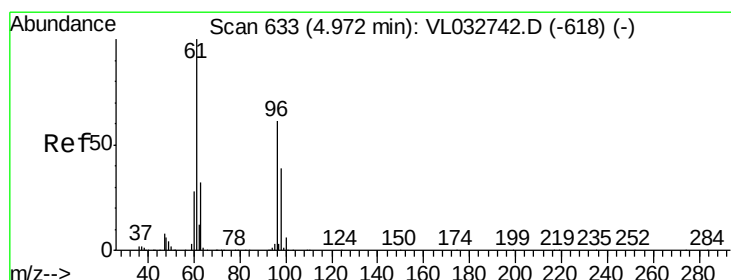
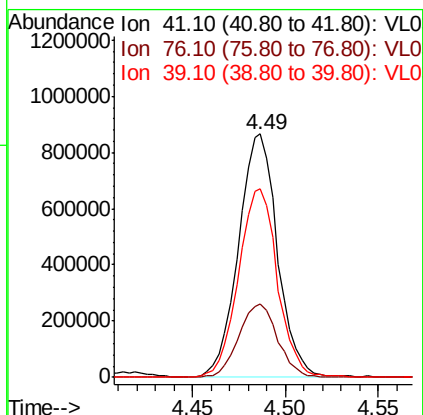
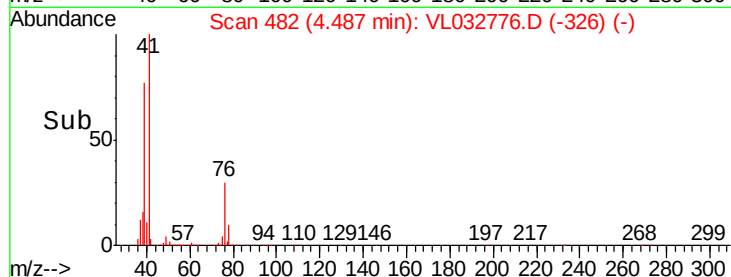
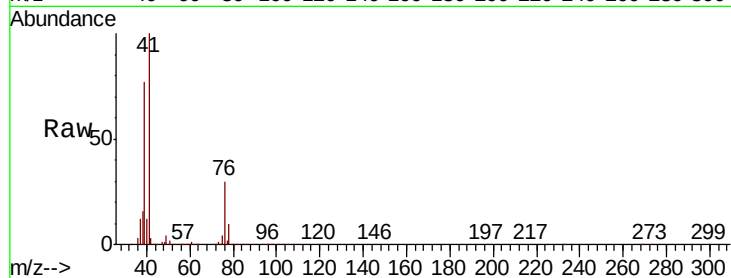
#21
Allvl Chloride
Concen: 10.245 ppbv
RT: 4.49 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.4	36.6
39	77.9	63.5	95.3

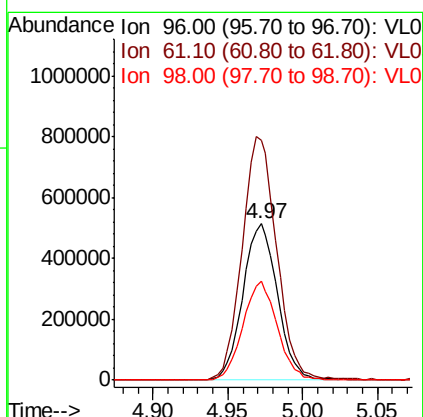
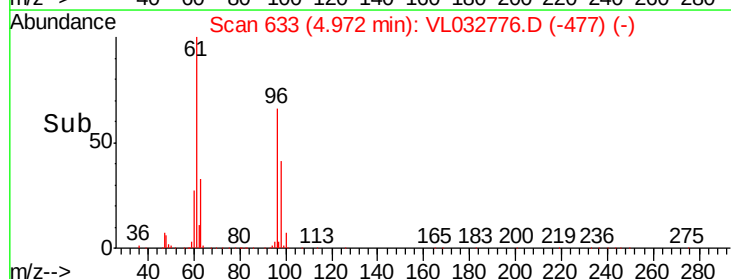
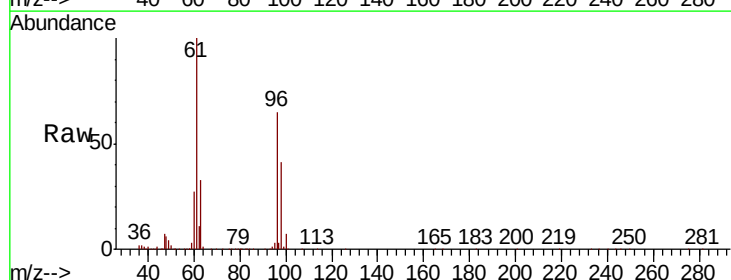
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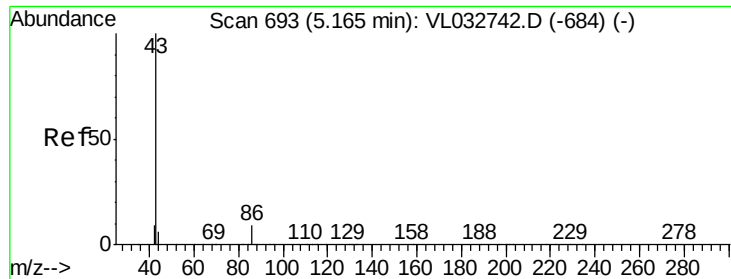
MMDadoda
11/26/2018 9:18:40 AM



#22
trans-1,2-Dichloroethene
Concen: 9.740 ppbv
RT: 4.97 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	130.2	195.2
98	63.3	50.2	75.2





#23

Vinyl Acetate

Concen: 9.834 ppbv

RT: 5.17 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2618501

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.4

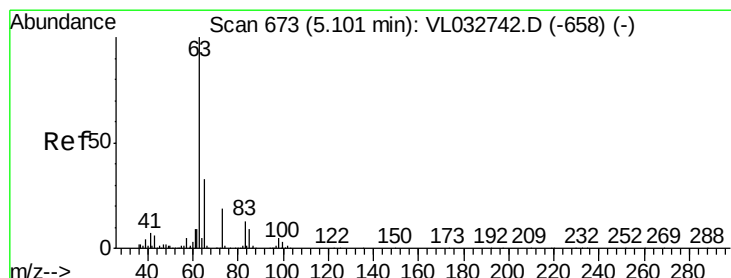
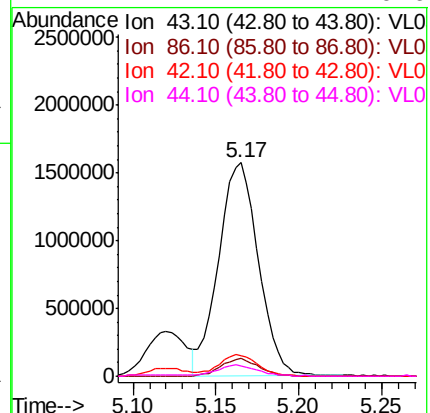
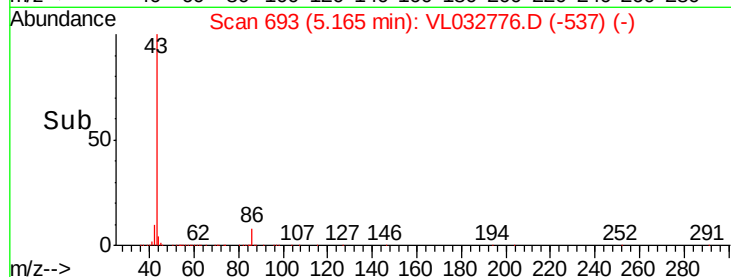
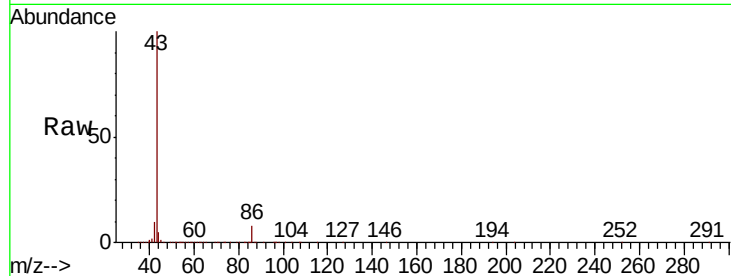
42 9.8 7.8 11.6

44 4.7 4.4 6.6

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#24

1,1-Dichloroethane

Concen: 8.967 ppbv

RT: 5.10 min Scan# 673

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

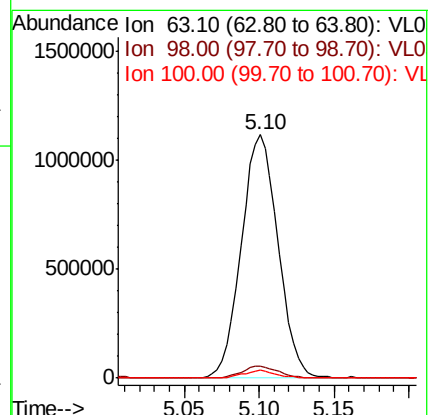
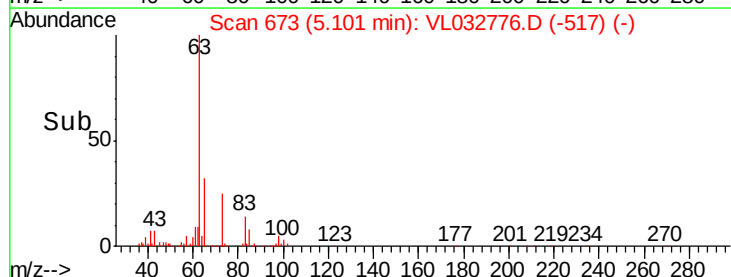
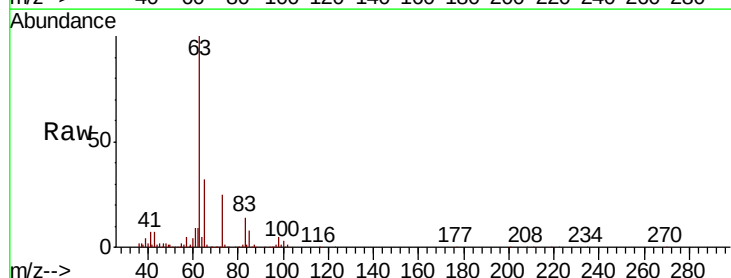
Tgt Ion: 63 Resp: 1898222

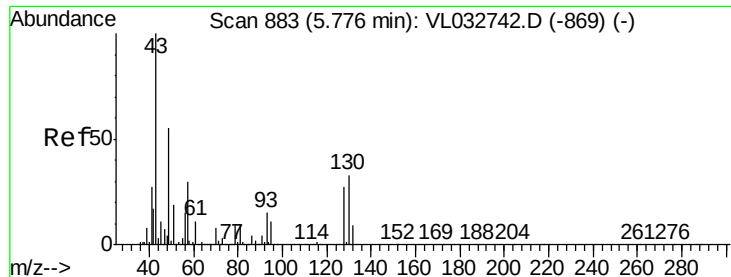
Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.8

100 3.2 1.4 4.2





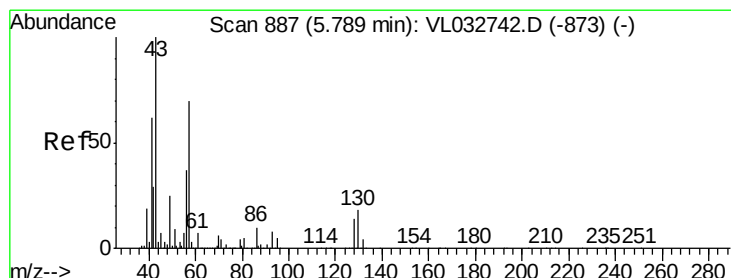
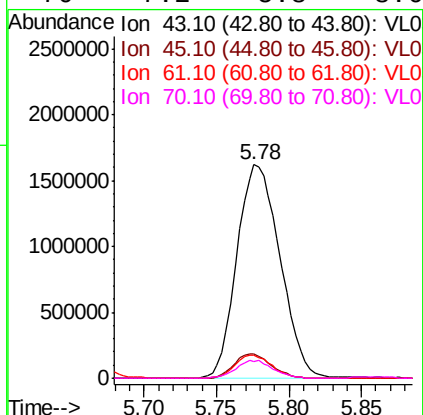
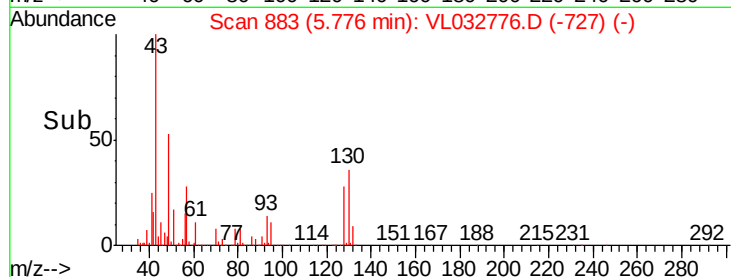
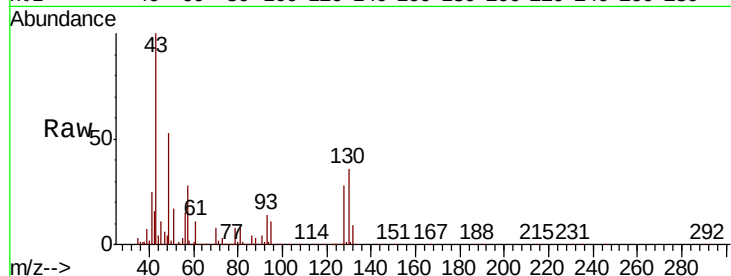
#25
Ethyl Acetate
Concen: 9.851 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.6
70	7.2	5.8	8.6

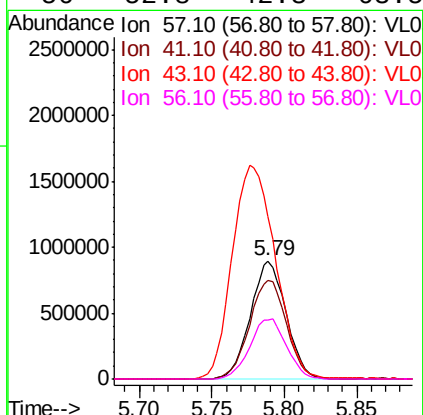
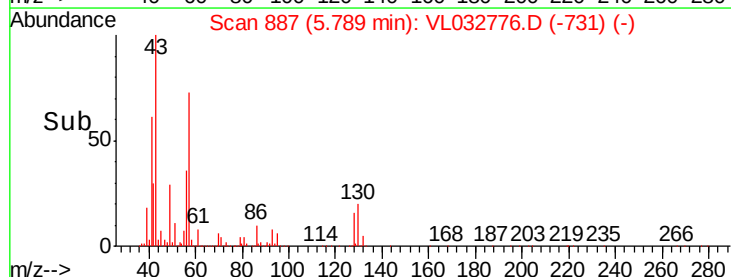
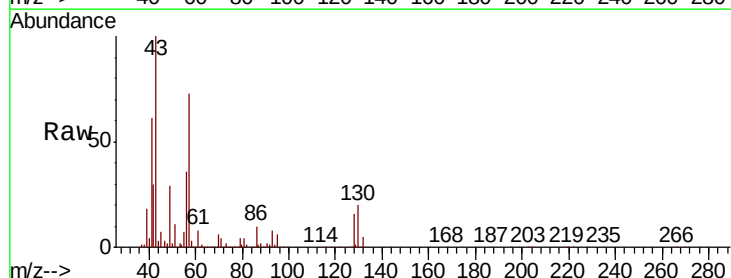
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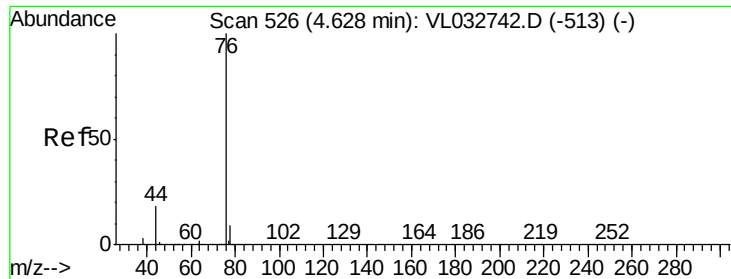
MMDadoda
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#26
Hexane
Concen: 10.103 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.2	70.3	105.5
43	220.3	174.0	261.0
56	52.8	42.3	63.5





#27

Carbon Disulfide

Concen: 10.752 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2066113

Ion Ratio Lower Upper

76 100

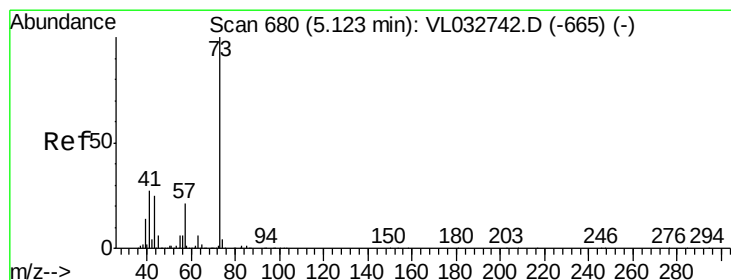
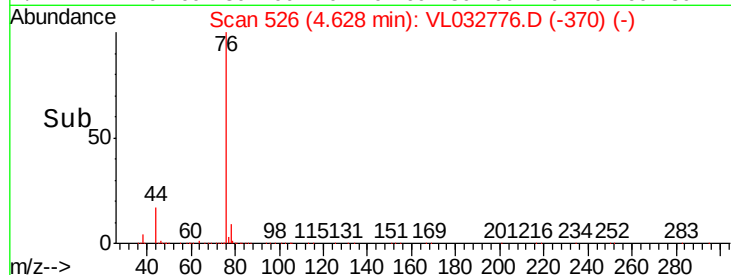
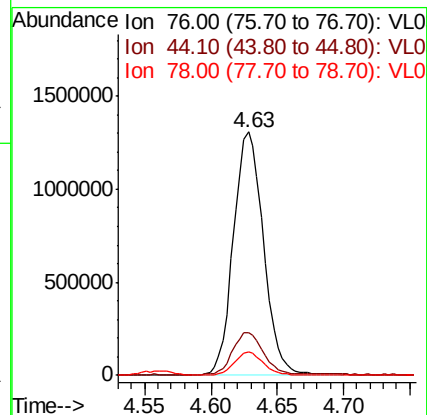
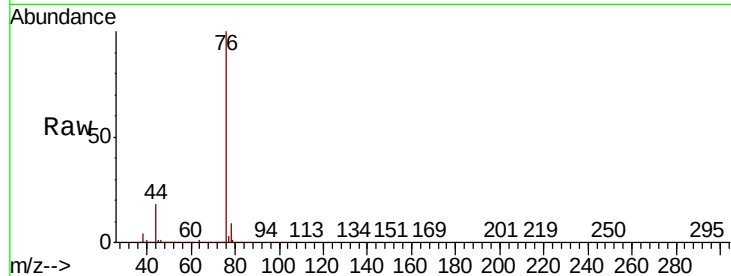
44 17.8 14.4 21.6

78 9.3 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 10.012 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032776.D

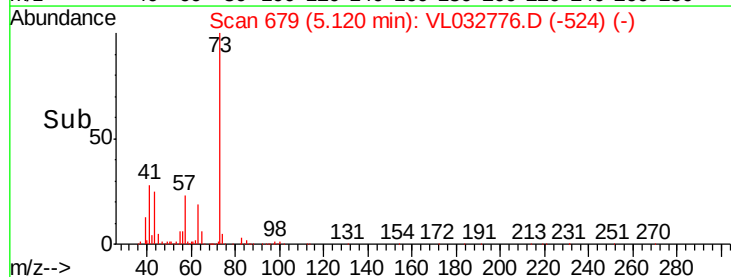
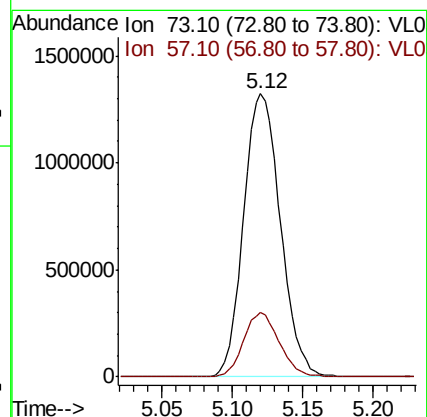
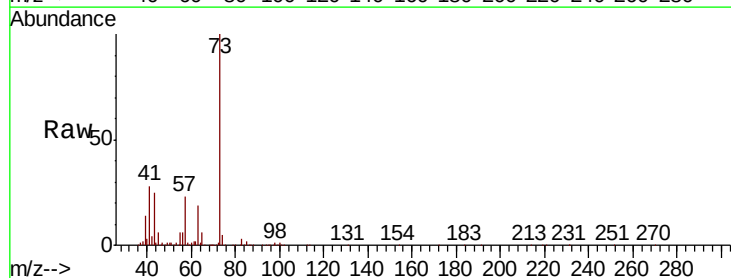
Acq: 20 Nov 2018 11:57

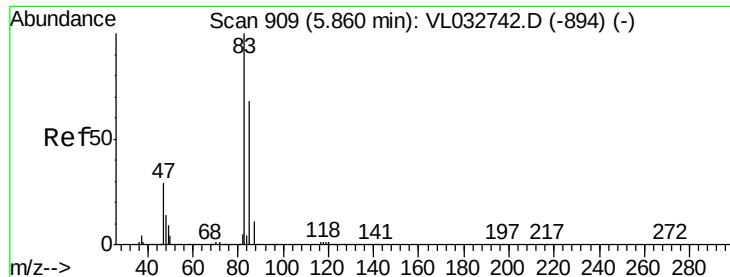
Tgt Ion: 73 Resp: 2419571

Ion Ratio Lower Upper

73 100

57 22.2 17.5 26.3





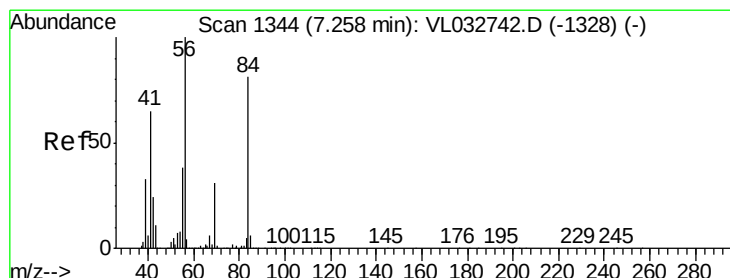
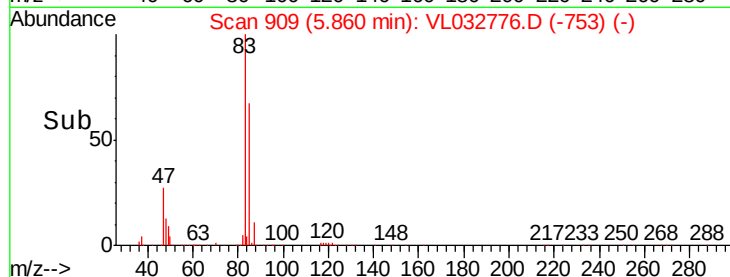
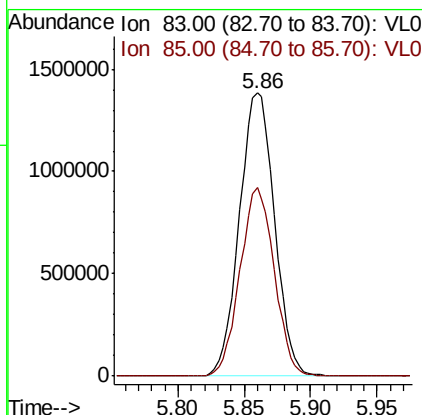
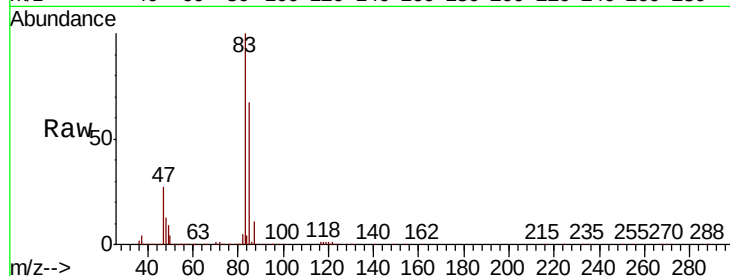
#29
Chloroform
Concen: 9.451 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2552810
Ion Ratio Lower Upper
83 100
85 66.6 54.2 81.4

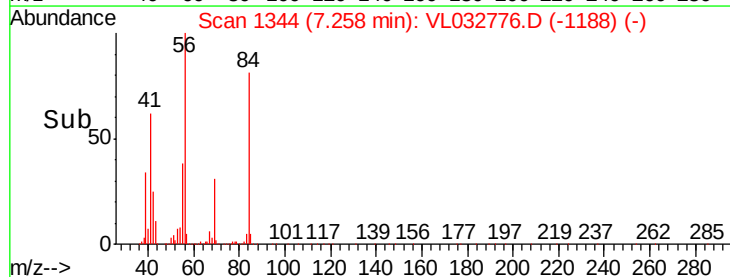
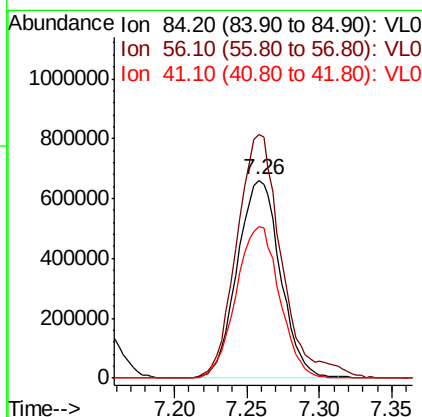
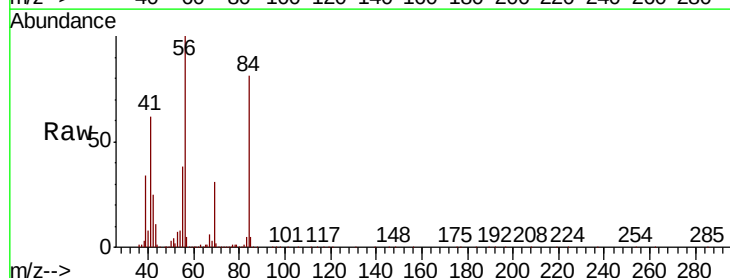
Manual Integrations
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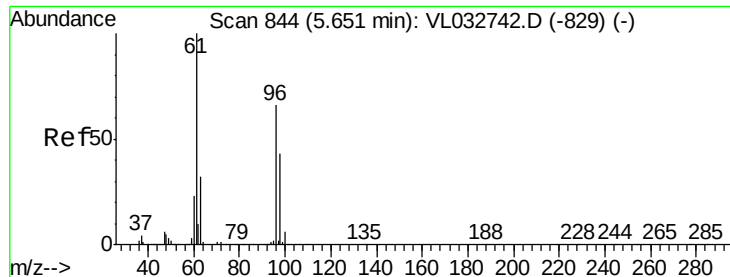
MMDadoda
11/26/2018 9:18:40 AM



#30
Cyclohexane
Concen: 10.308 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion: 84 Resp: 1366275
Ion Ratio Lower Upper
84 100
56 128.0 105.0 157.4
41 77.2 65.3 97.9





#31

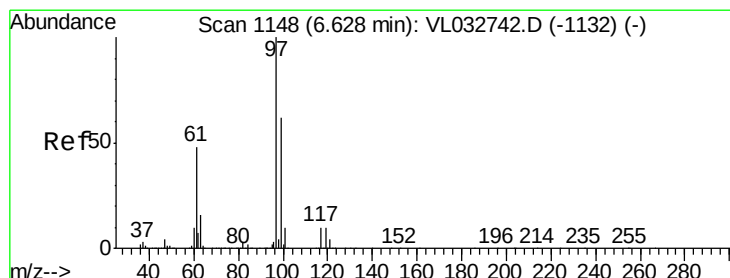
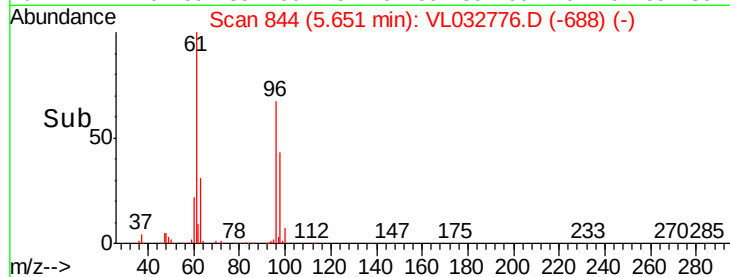
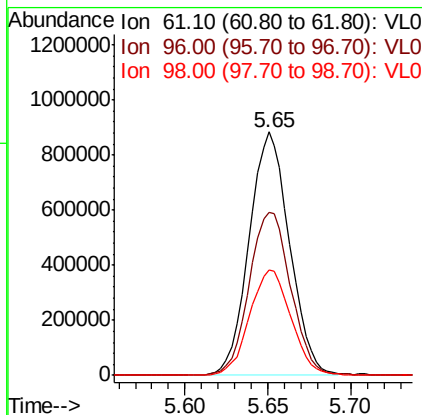
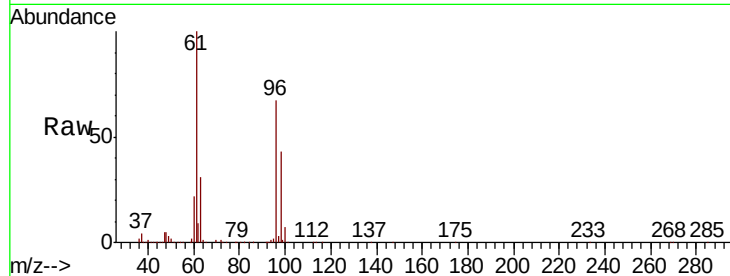
cis-1,2-Dichloroethene
 Concen: 9.807 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.8	53.2	79.8
98	43.2	34.4	51.6

Manual Integrations
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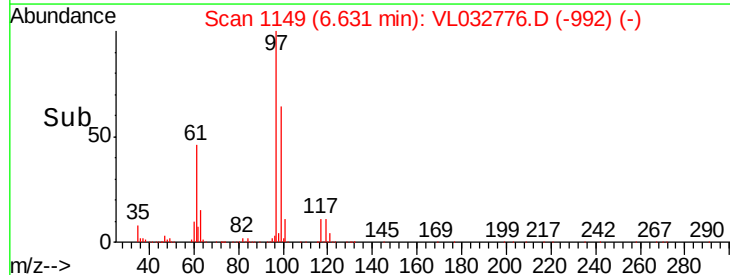
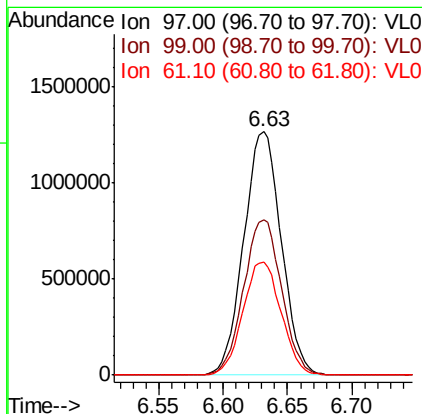
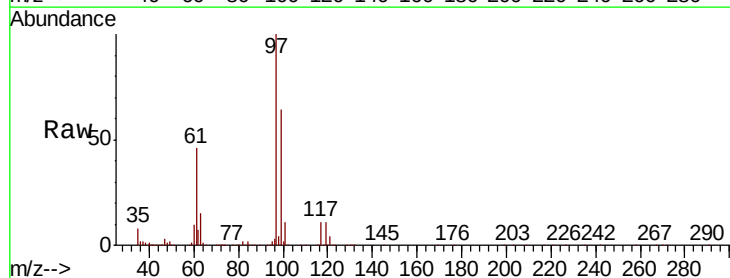
MMDadoda
 11/26/2018 9:18:40 AM

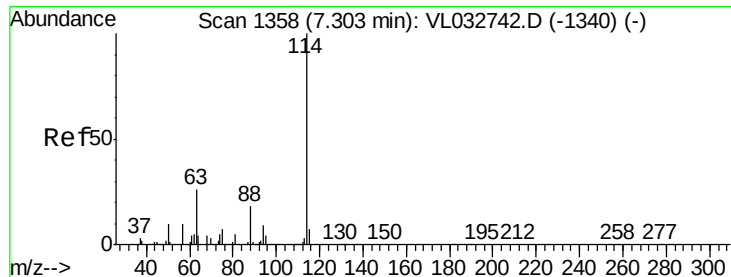


#32

1,1,1-Trichloroethane
 Concen: 8.697 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	47.3	39.7	59.5





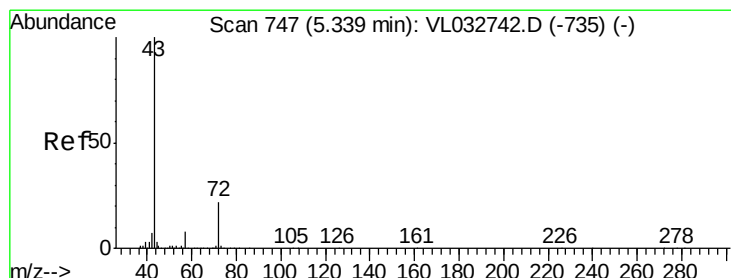
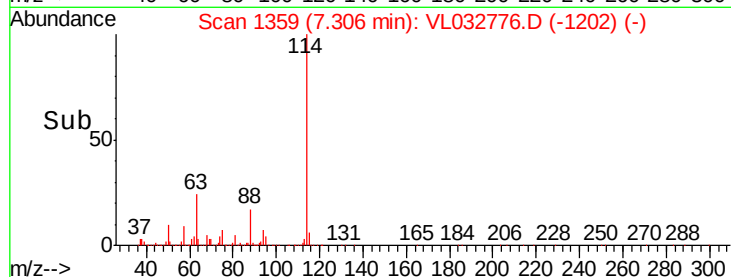
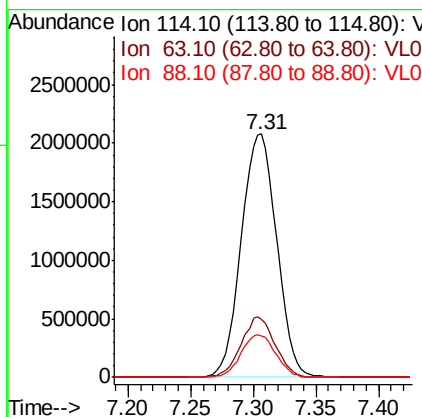
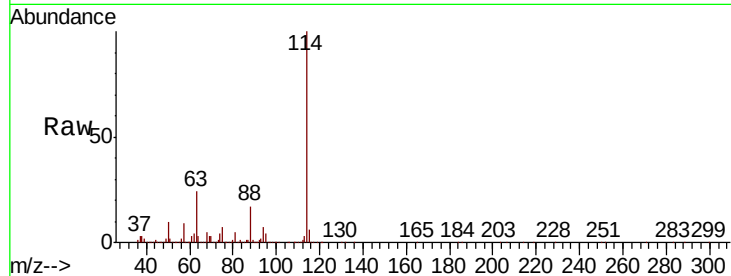
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4085426
 Ion Ratio Lower Upper
 114 100
 63 24.1 20.9 31.3
 88 17.2 14.4 21.6

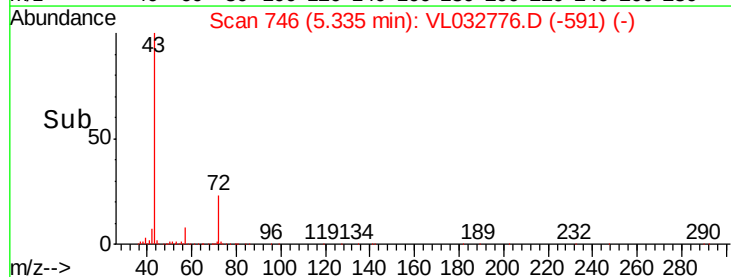
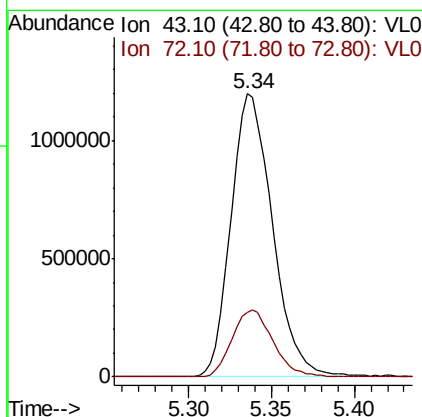
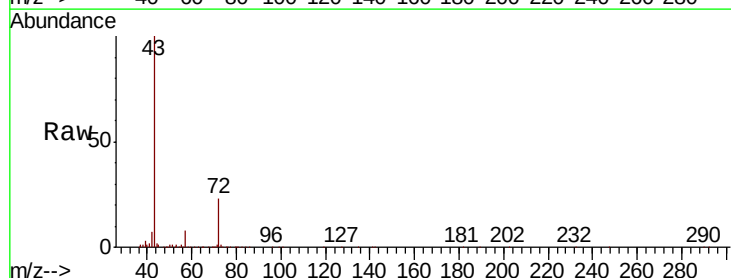
Manual Integrations
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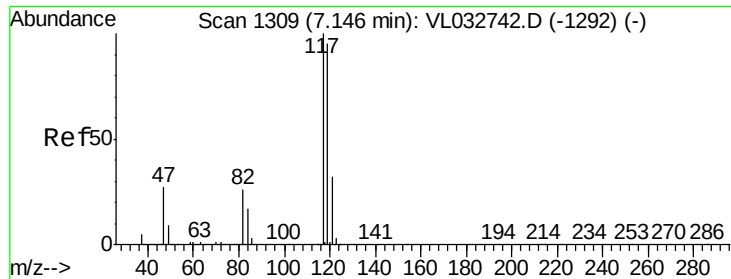
MMDadoda
 11/26/2018 9:18:40 AM



#34
 2-Butanone
 Concen: 9.789 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion: 43 Resp: 2074161
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.4 27.6





#35

Carbon Tetrachloride

Concen: 8.556 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 117 Resp: 2809989

Ion Ratio Lower Upper

117 100

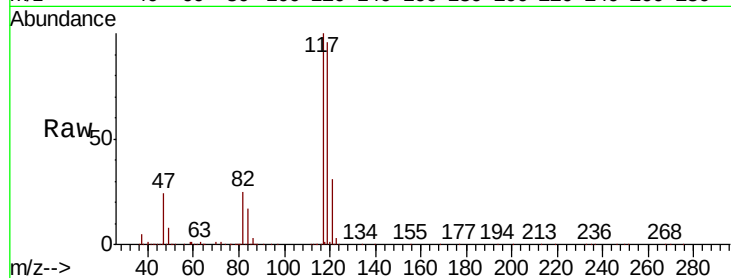
119 95.6 76.1 114.1

121 31.3 25.4 38.0

Manual Integrations
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MMDadoda

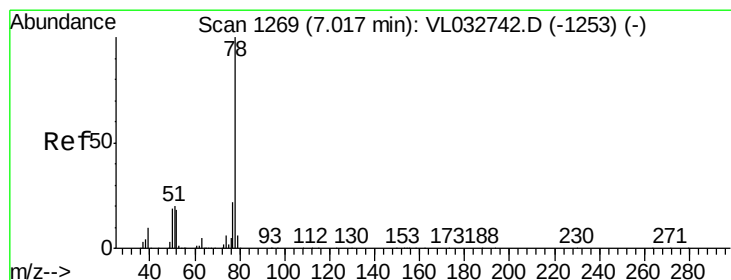
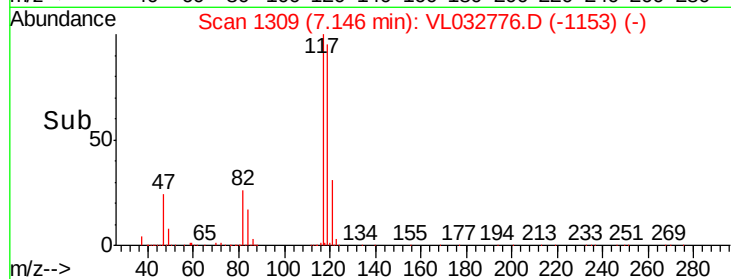
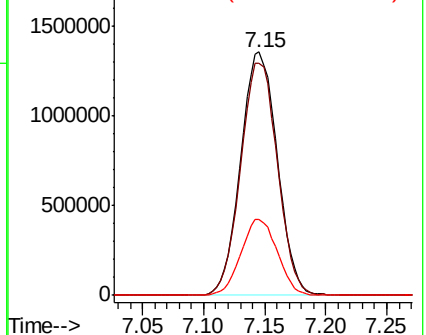
11/26/2018 9:18:40 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.857 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

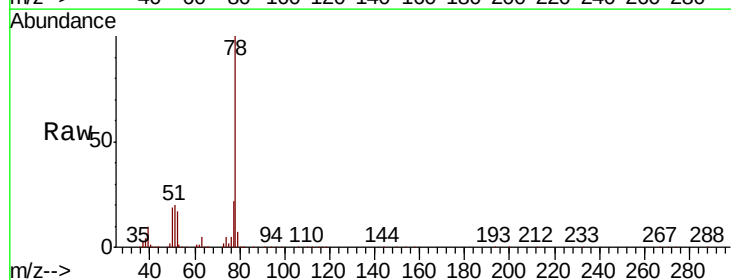
Tgt Ion: 78 Resp: 3206625

Ion Ratio Lower Upper

78 100

77 22.4 17.8 26.8

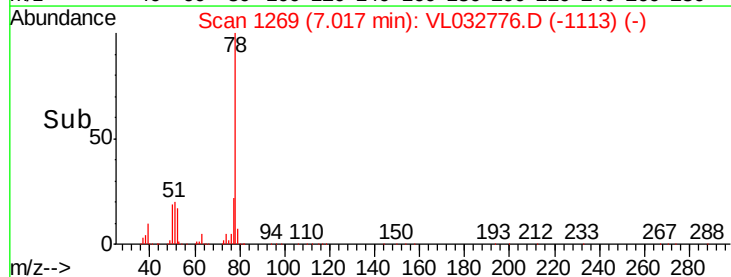
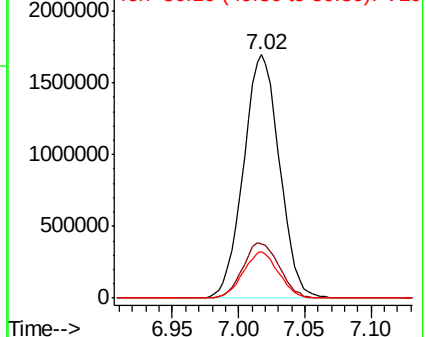
50 19.0 15.4 23.0

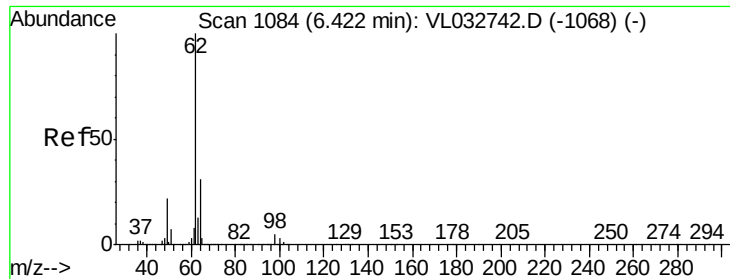


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





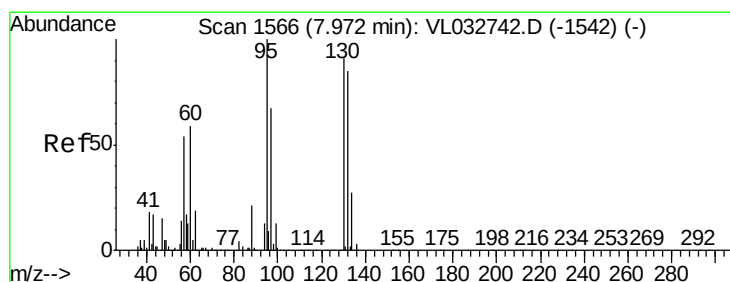
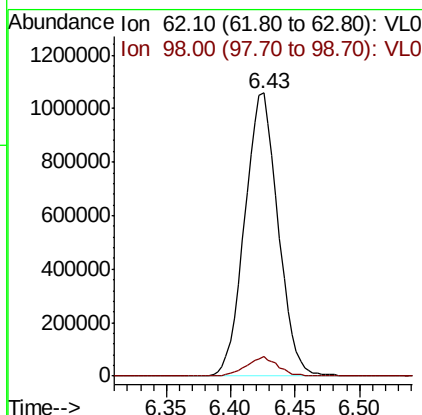
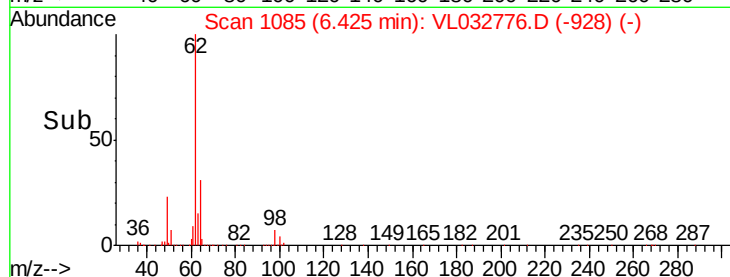
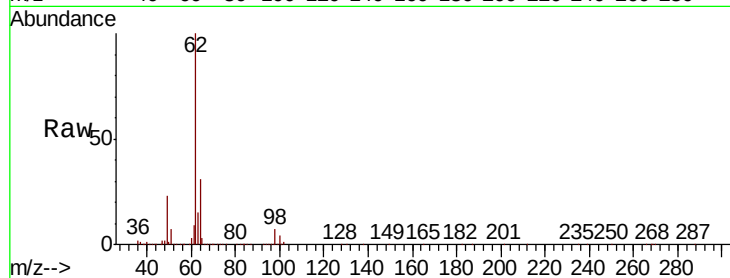
#37
 1,2-Dichloroethane
 Concen: 8.690 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1903089
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.5 6.7

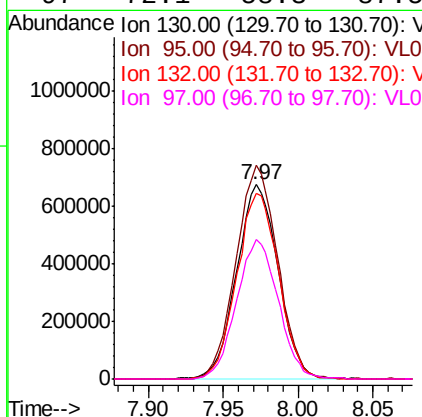
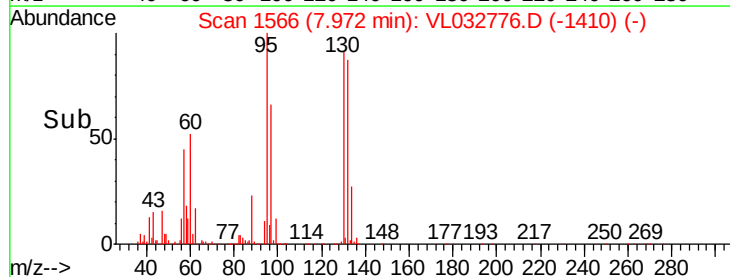
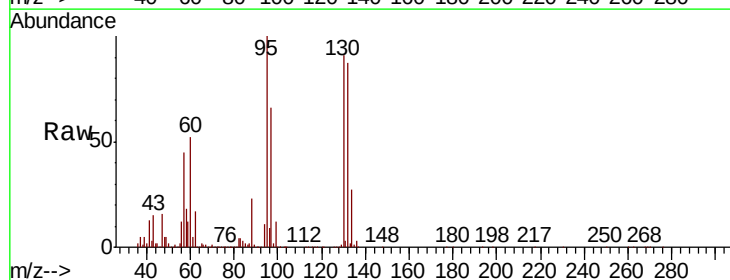
Manual Integrations
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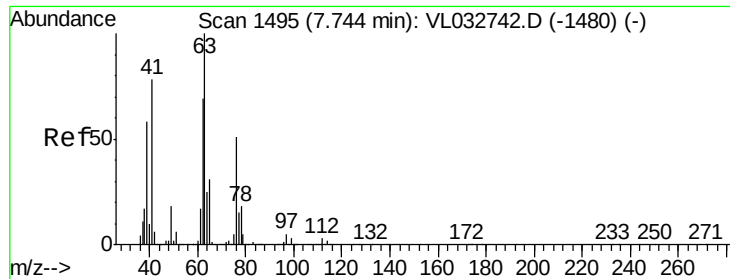
MMDadoda
 11/26/2018 9:18:40 AM



#38
 Trichloroethene
 Concen: 9.830 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion: 130 Resp: 1294205
 Ion Ratio Lower Upper
 130 100
 95 109.9 87.7 131.5
 132 95.9 74.6 111.8
 97 72.1 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.601 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1190117

Ion Ratio Lower Upper

63 100

41 74.2 62.0 93.0

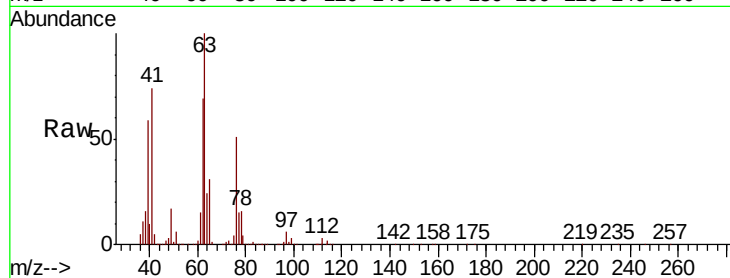
62 68.9 55.4 83.2

Manual Integrations

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MMDadoda

11/26/2018 9:18:40 AM

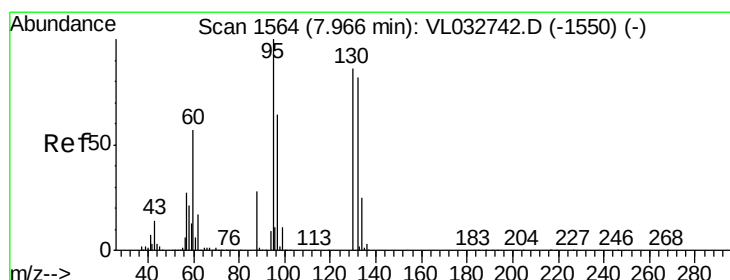
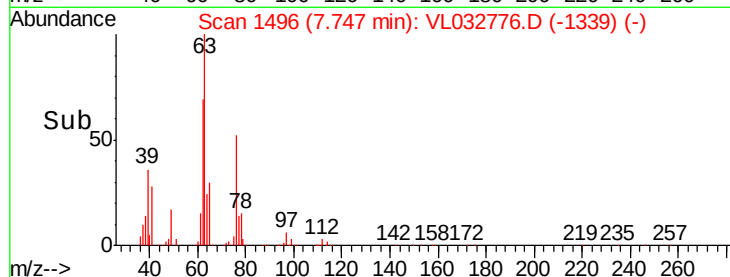
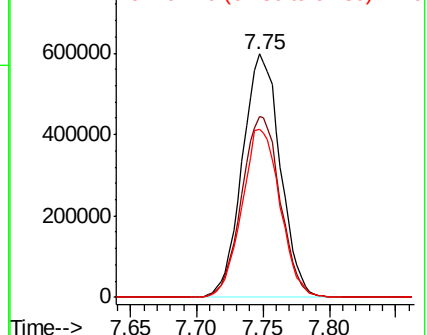


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.140 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Tgt Ion: 88 Resp: 448911

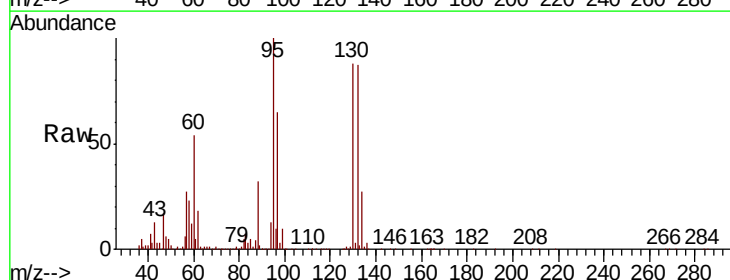
Ion Ratio Lower Upper

88 100

58 128.3 105.3 157.9

43 259.6 226.1 339.1

57 1176.6 1015.2 1522.8



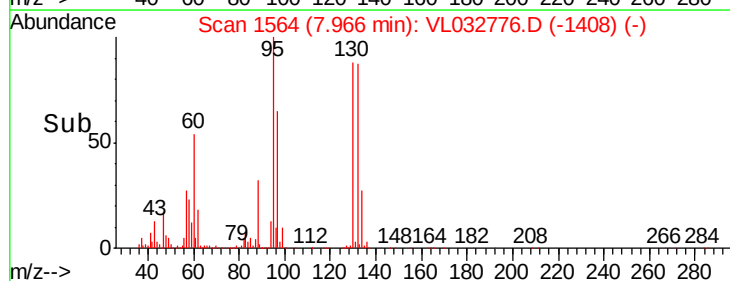
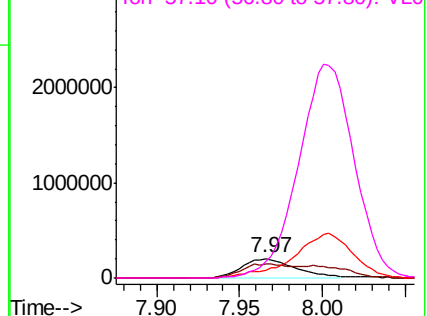
Abundance

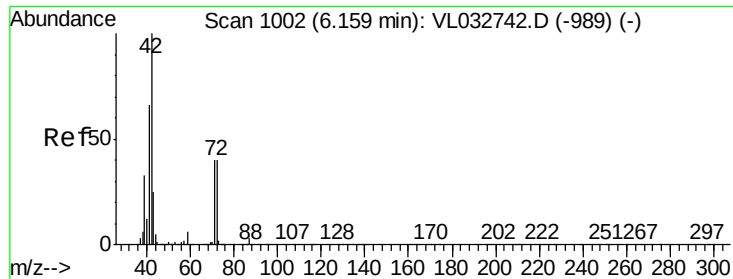
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





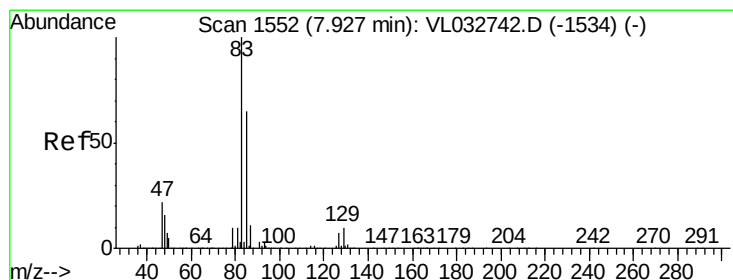
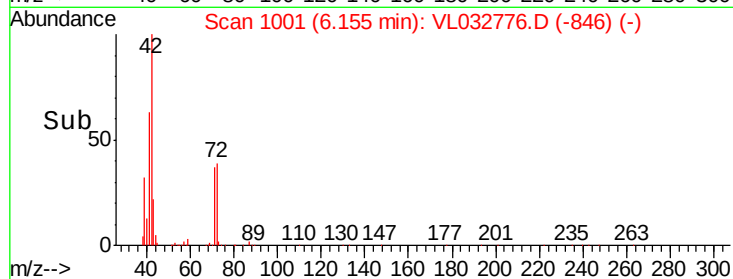
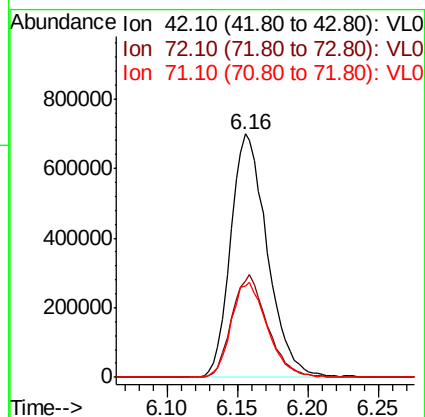
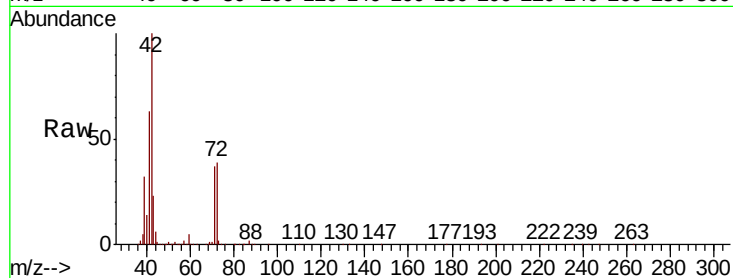
#41
Tetrahydrofuran
Concen: 10.471 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	38.8	31.6	47.4

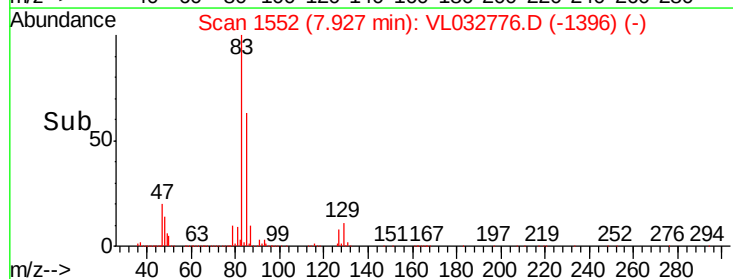
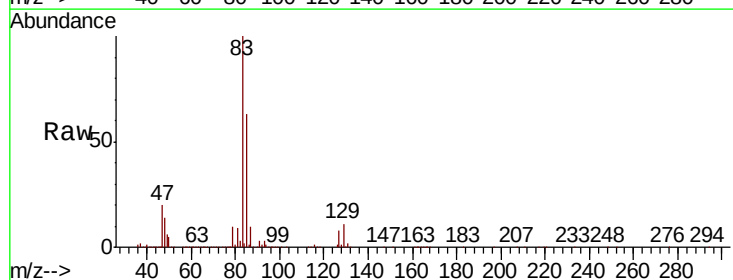
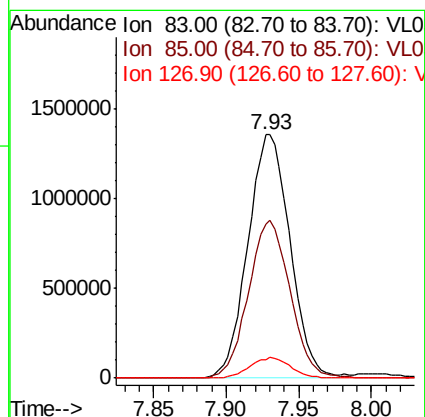
Manual Integrations
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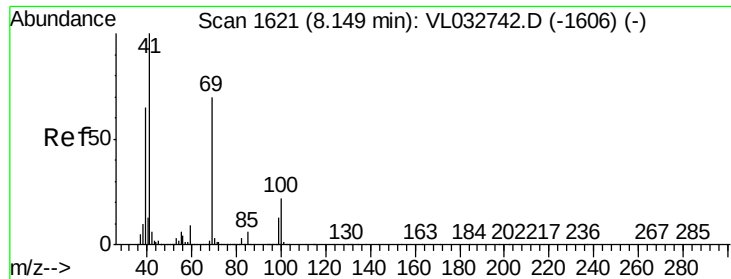
MMDadoda
11/26/2018 9:18:40 AM



#42
Bromodichloromethane
Concen: 9.259 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8
127	7.8	5.9	8.9





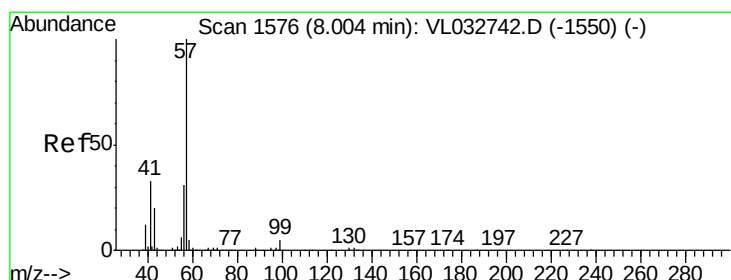
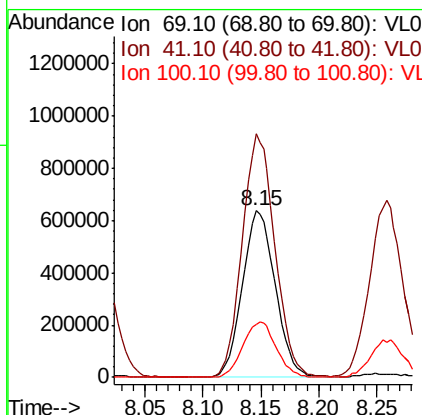
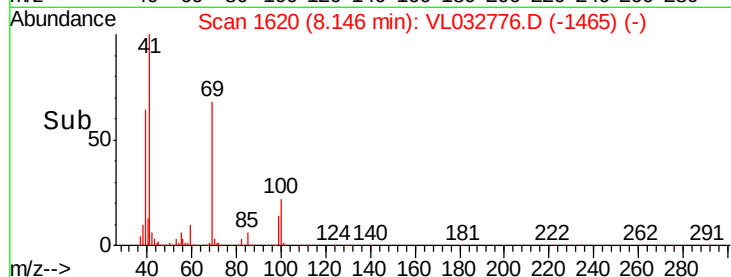
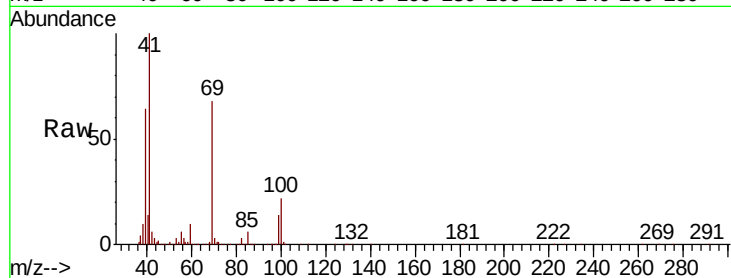
#43
Methyl Methacrylate
Concen: 10.337 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1255443
Ion Ratio Lower Upper
69 100
41 145.4 115.0 172.4
100 33.8 25.4 38.0

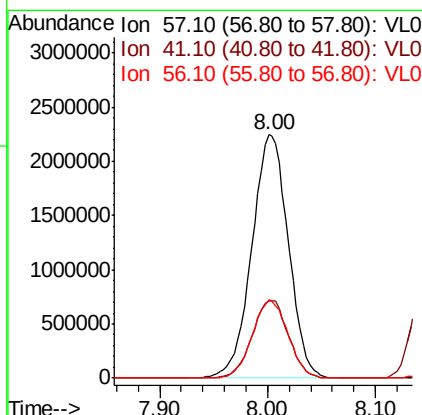
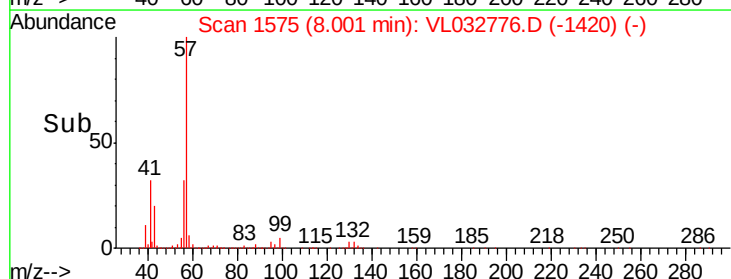
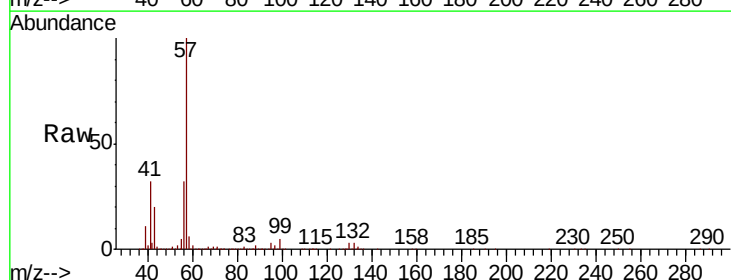
Manual Integrations
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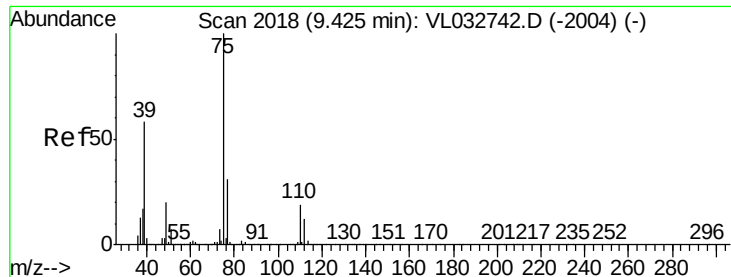
MMDadoda
11/26/2018 9:18:40 AM



#44
2,2,4-Trimethylpentane
Concen: 9.696 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion: 57 Resp: 5271201
Ion Ratio Lower Upper
57 100
41 31.7 26.6 39.8
56 31.3 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.571 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1885821

Ion Ratio Lower Upper

75 100

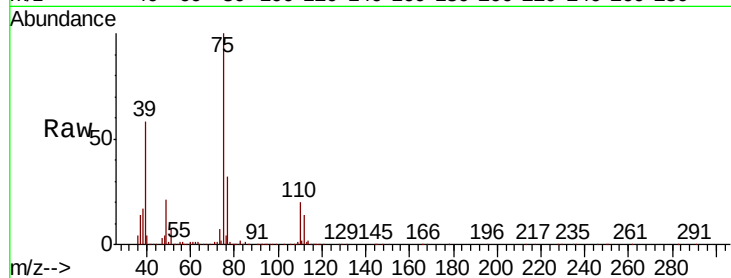
77 32.0 24.6 36.8

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.43

1000000

800000

600000

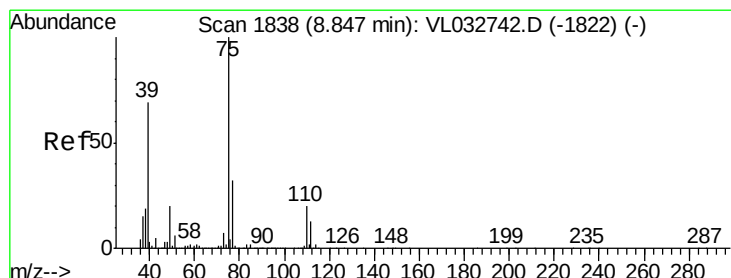
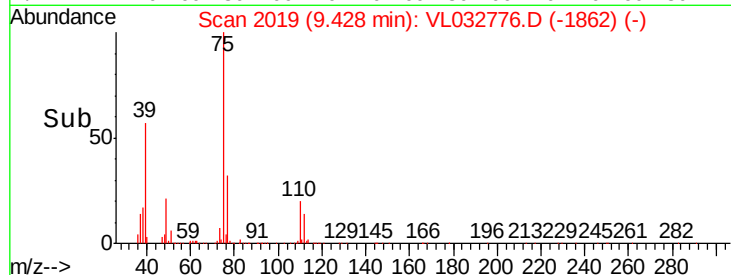
400000

200000

0

9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.943 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

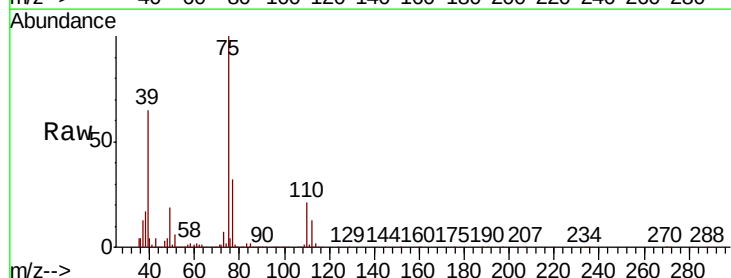
Tgt Ion: 75 Resp: 2154744

Ion Ratio Lower Upper

75 100

39 65.4 55.2 82.8

77 31.7 25.8 38.6



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

1500000

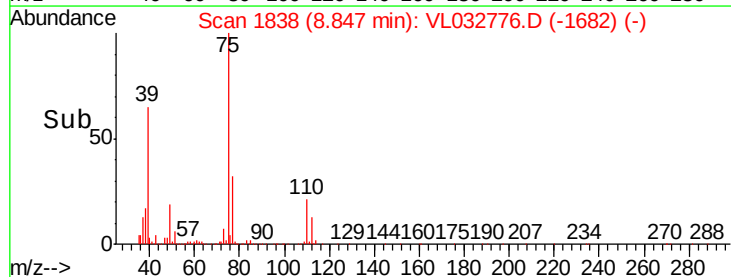
1000000

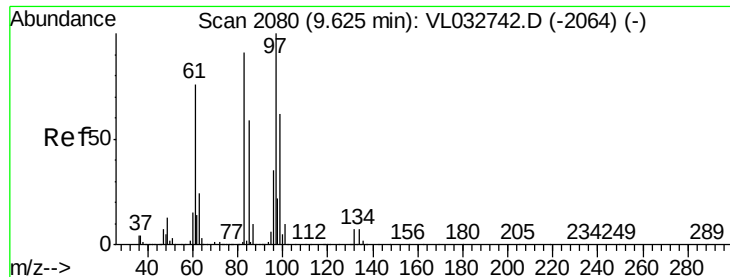
500000

0

8.75 8.80 8.85 8.90

Time-->





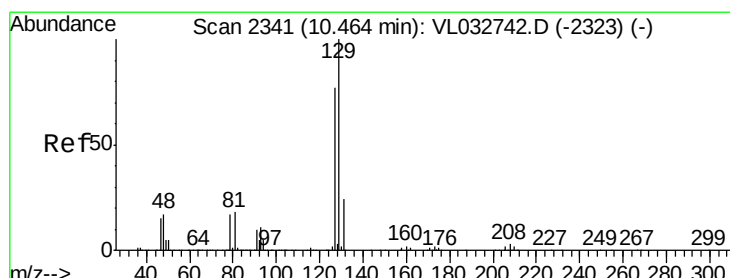
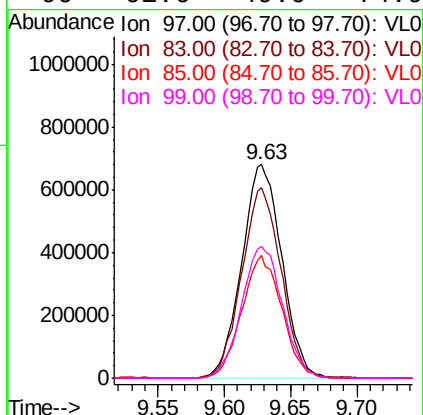
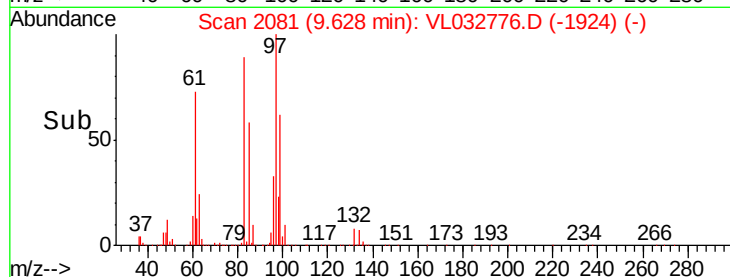
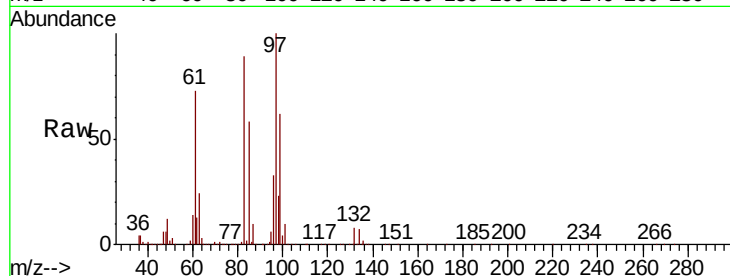
#47
 1,1,2-Trichloroethane
 Concen: 9.807 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1437383
 Ion Ratio Lower Upper
 97 100
 83 89.3 73.0 109.4
 85 57.4 47.0 70.4
 99 61.6 49.9 74.9

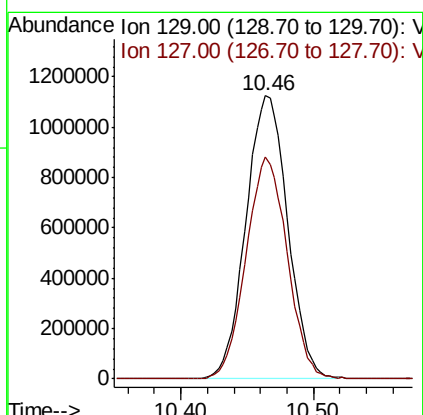
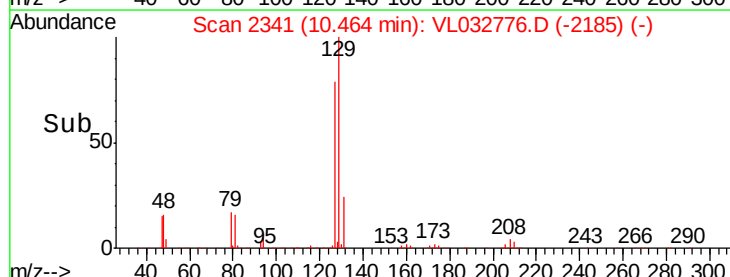
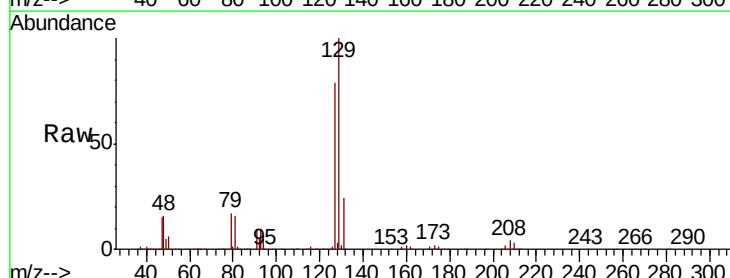
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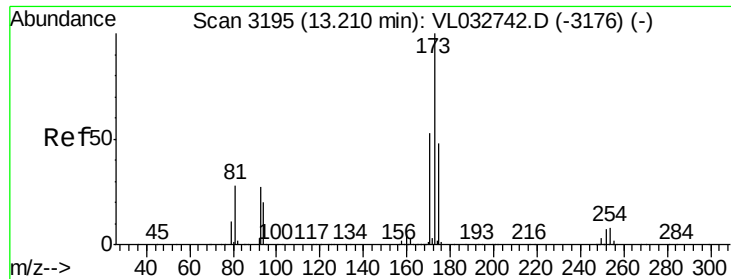
MMDadoda
 11/26/2018 9:18:40 AM



#48
 Dibromochloromethane
 Concen: 9.917 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion: 129 Resp: 2470554
 Ion Ratio Lower Upper
 129 100
 127 77.6 39.0 117.0





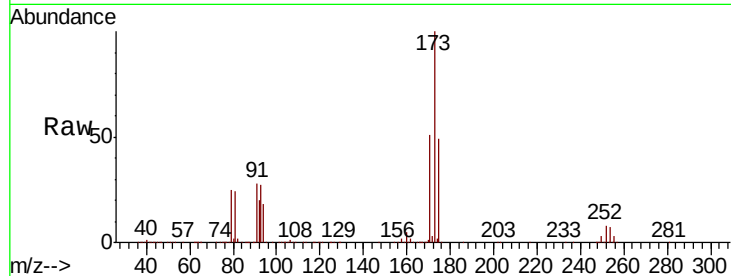
#49
Bromoform
Concen: 10.267 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. 0.01 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.4	59.0
171	51.8	42.0	63.0

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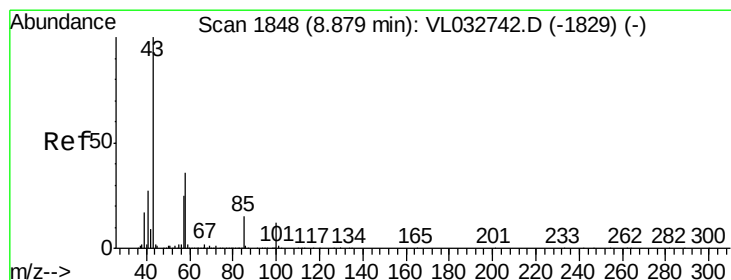
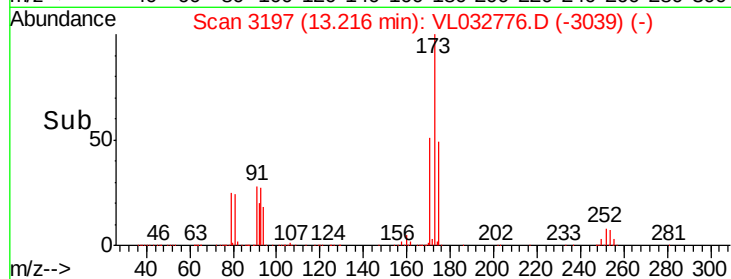
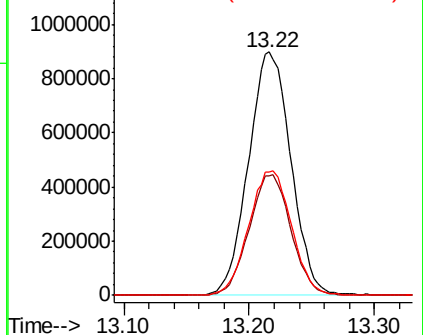


Abundance

Ion 172.90 (172.60 to 173.60): V

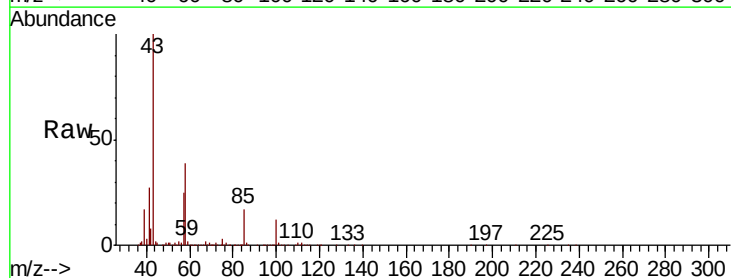
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50
4-Methyl-2-Pentanone
Concen: 9.863 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

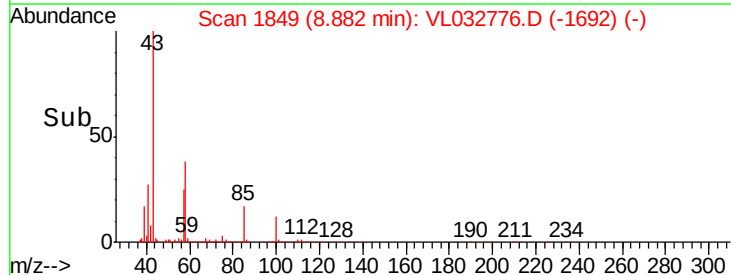
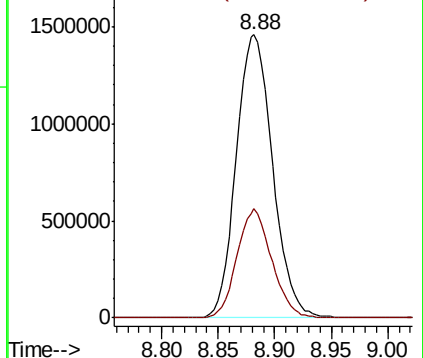
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.8	43.2

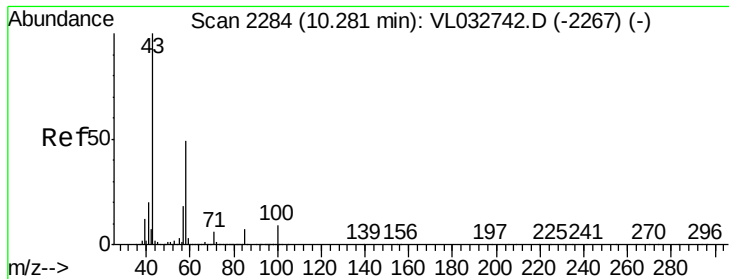


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





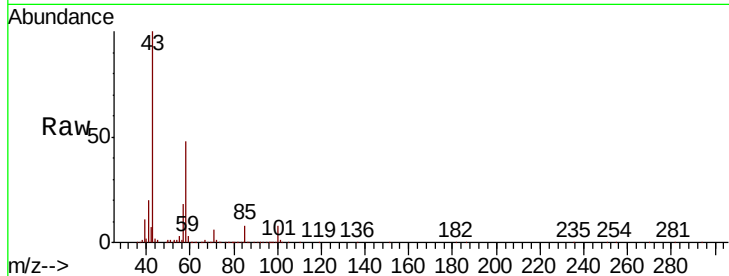
#51
2-Hexanone
Concen: 10.823 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

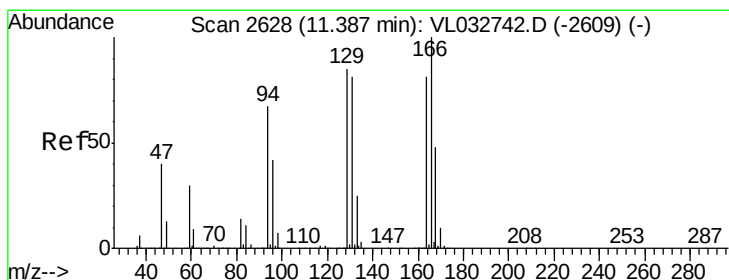
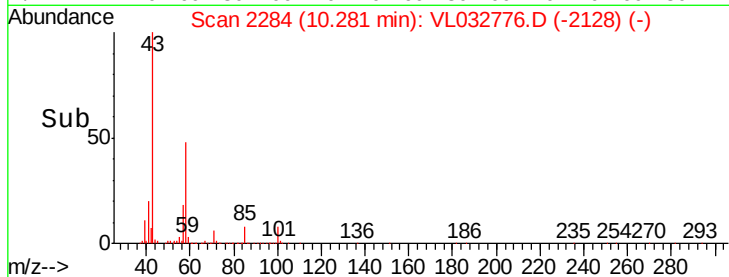
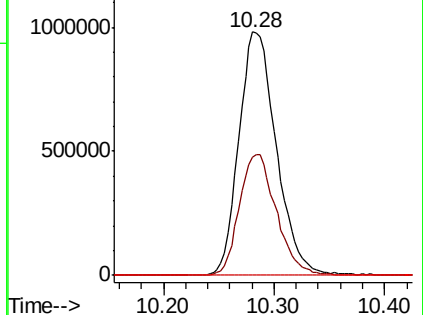
Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	38.9	58.3
98	0.2	0.2	0.4

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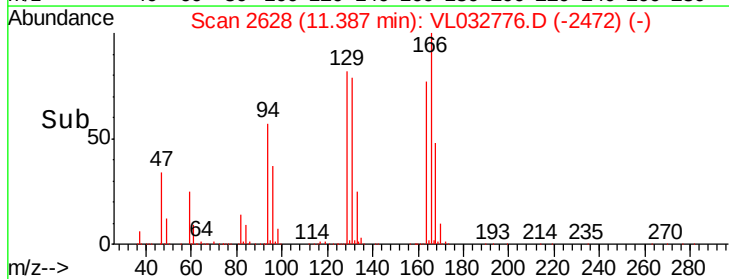
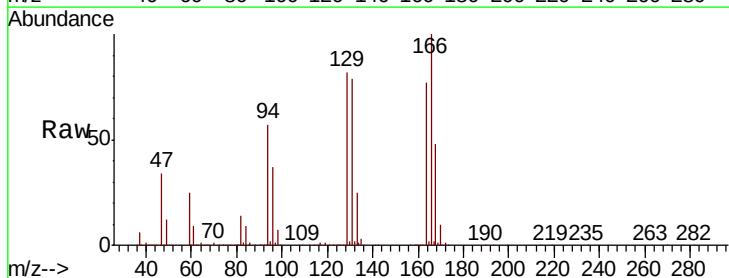
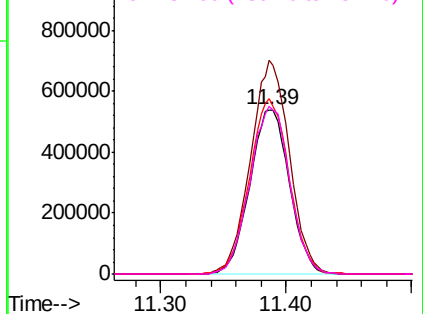
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

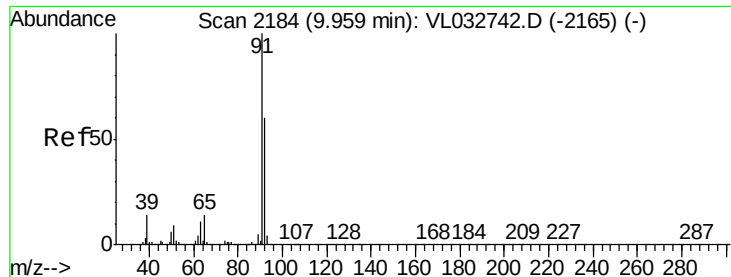


#52
Tetrachloroethene
Concen: 10.440 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	99.3	148.9
129	107.1	83.9	125.9
131	102.3	80.8	121.2

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: 11.086 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3762499

Ion Ratio Lower Upper

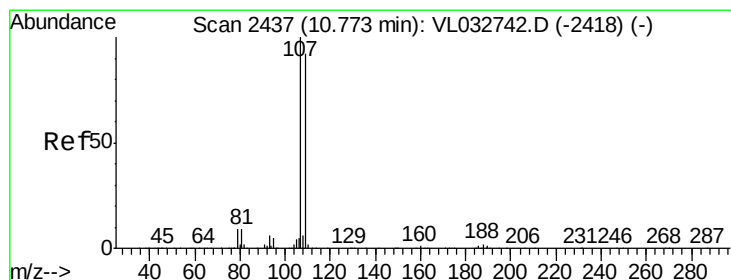
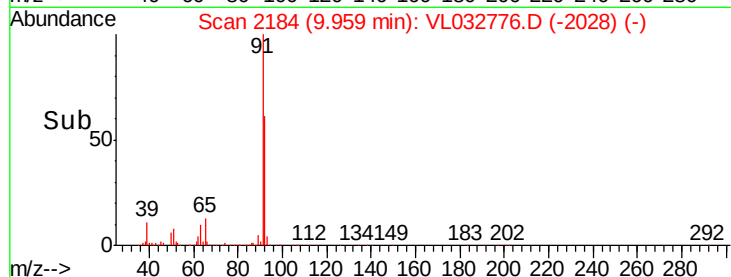
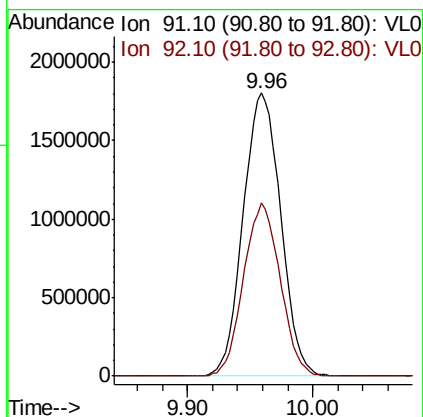
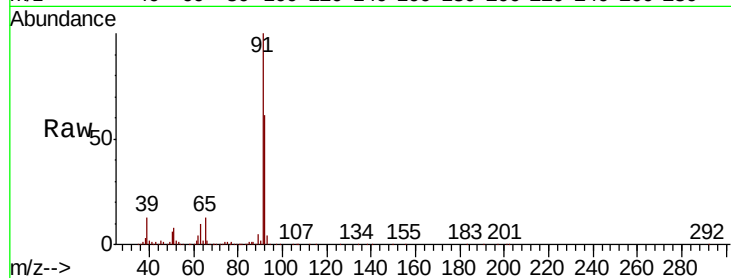
91 100

92 59.6 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 9.979 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032776.D

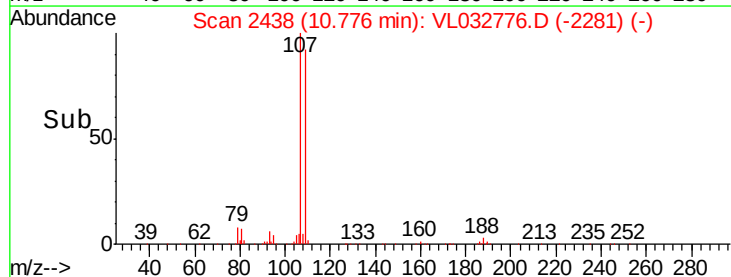
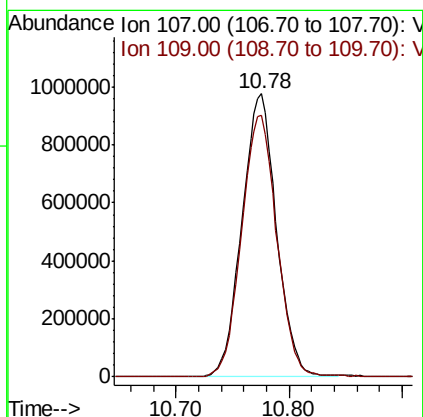
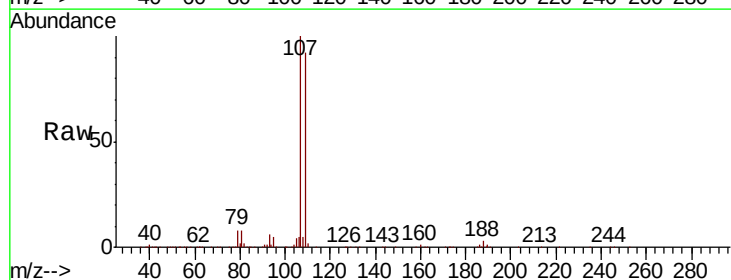
Acq: 20 Nov 2018 11:57

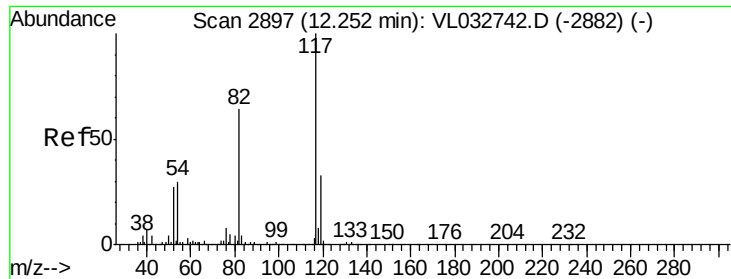
Tgt Ion: 107 Resp: 2067443

Ion Ratio Lower Upper

107 100

109 92.2 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 4129312

Ion Ratio Lower Upper

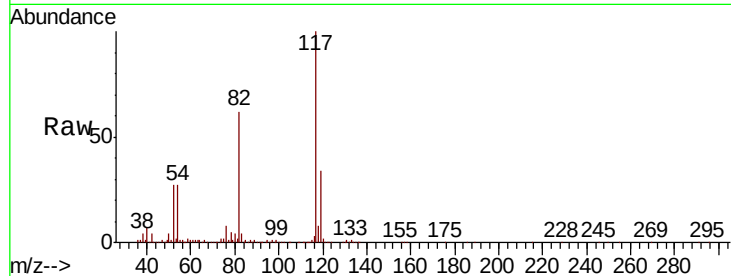
117 100

82 57.8 51.0 76.6

119 31.7 28.0 42.0

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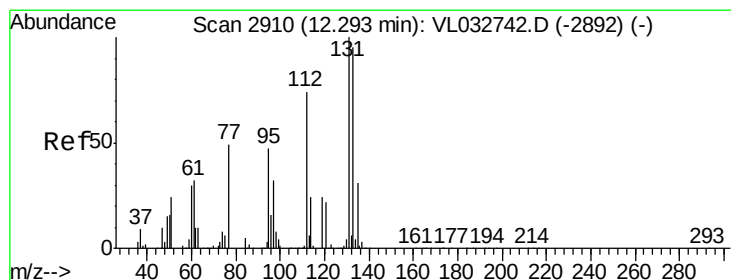
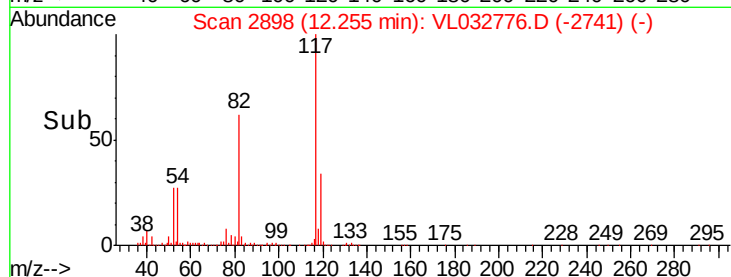
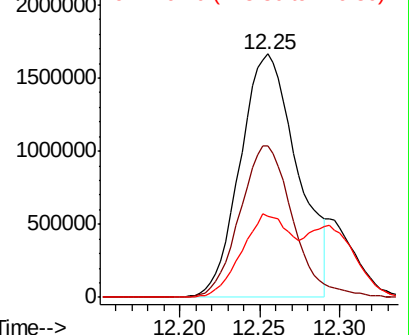
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.865 ppbv

RT: 12.29 min Scan# 2910

Delta R.T. -0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

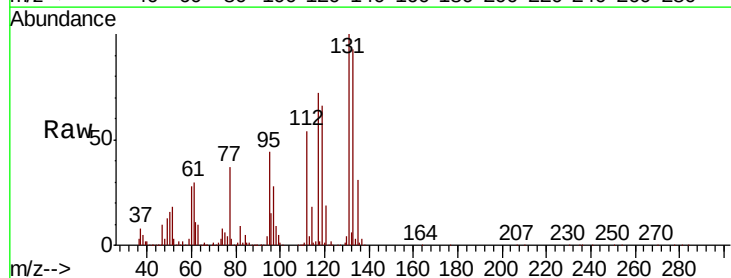
Tgt Ion:131 Resp: 1707312

Ion Ratio Lower Upper

131 100

133 94.4 75.8 113.6

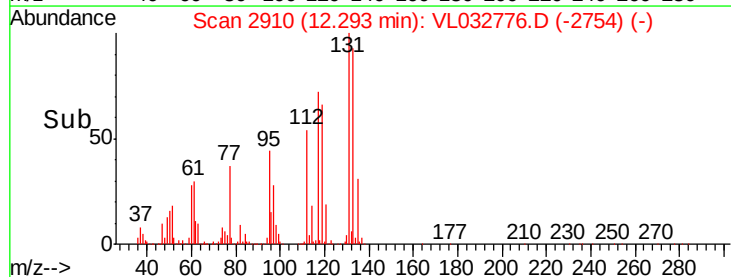
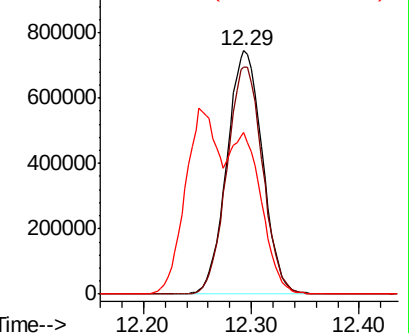
119 56.6 45.2 67.8

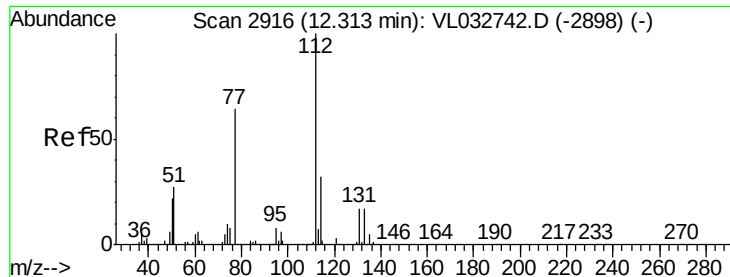


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.016 ppbv

RT: 12.32 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2849907

Ion Ratio Lower Upper

112 100

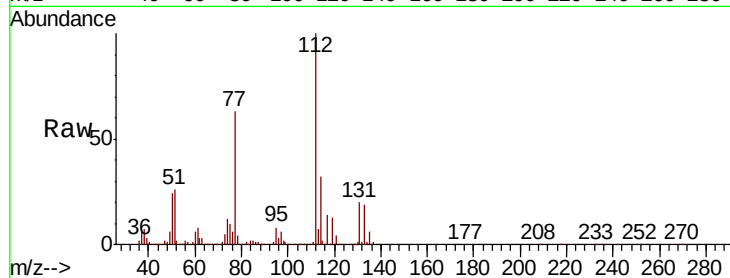
77 62.3 52.3 78.5

114 31.6 28.4 34.8

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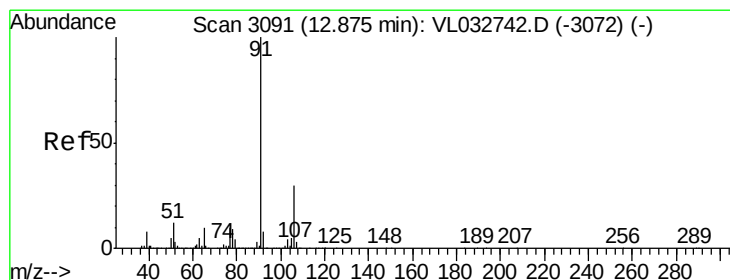
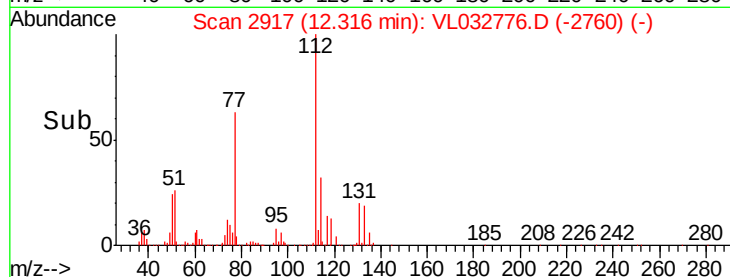
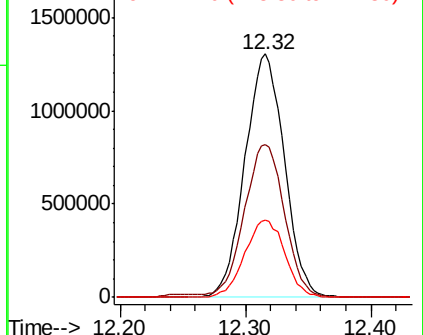
11/26/2018 9:18:40 AM



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: 10.108 ppbv

RT: 12.88 min Scan# 3092

Delta R.T. 0.00 min

Lab File: VL032776.D

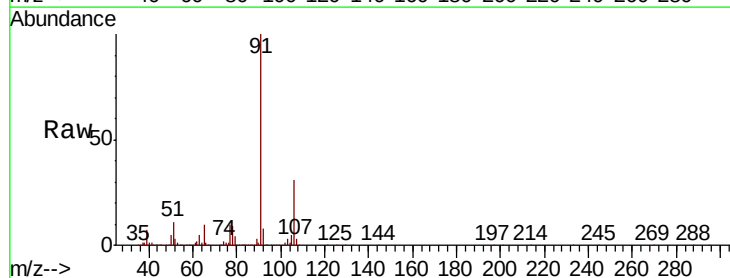
Acq: 20 Nov 2018 11:57

Tgt Ion: 91 Resp: 5023483

Ion Ratio Lower Upper

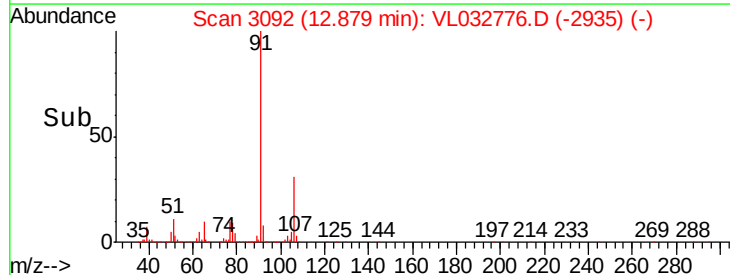
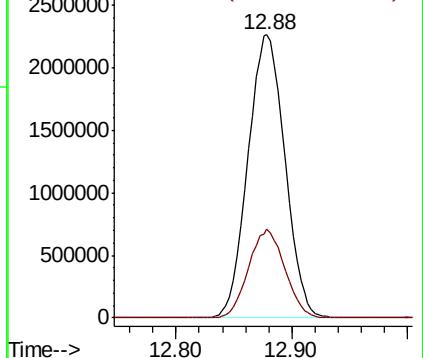
91 100

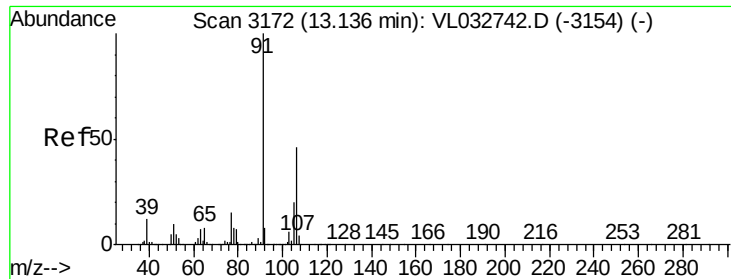
106 31.3 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





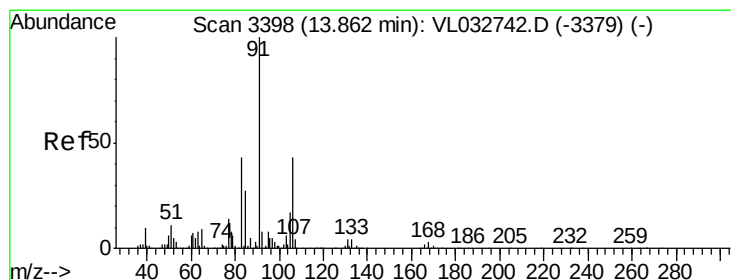
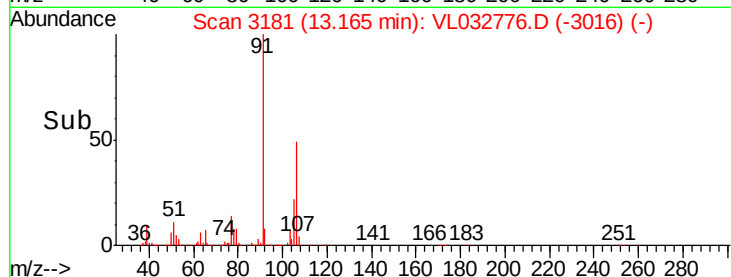
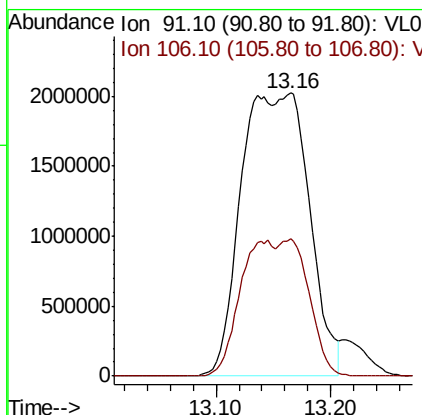
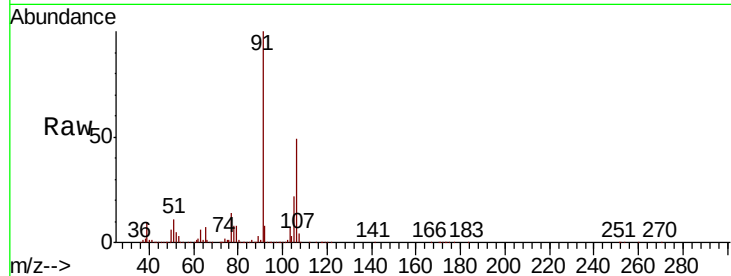
#59
m/p-Xylene
Concen: 18.853 ppbv m
RT: 13.16 min Scan# 3181
Delta R.T. 0.03 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8340555
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

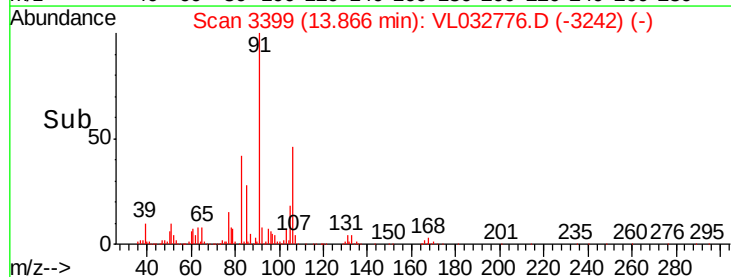
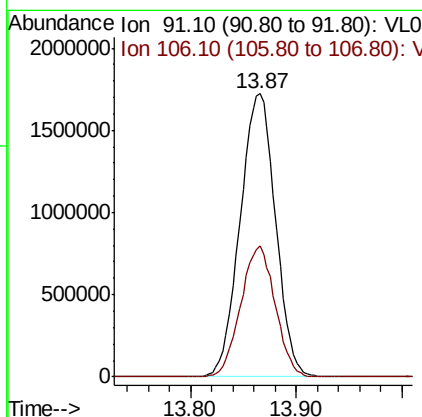
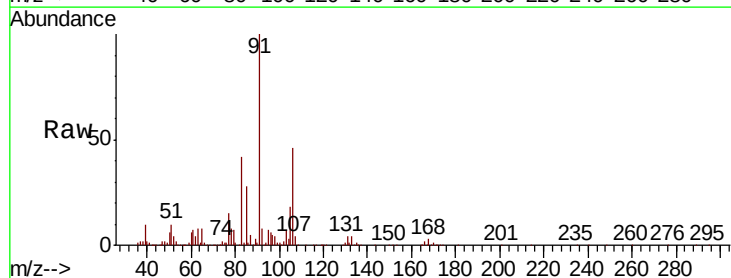
Manual Integrations
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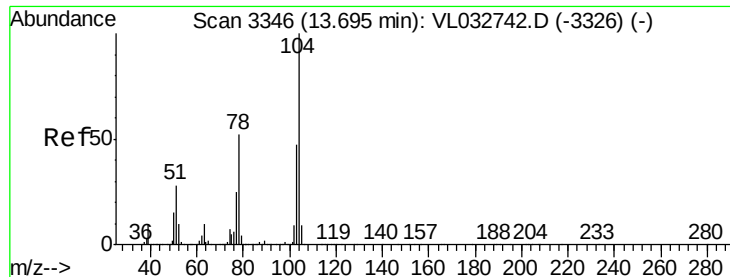
MMDadoda
11/26/2018 9:18:40 AM



#60
o-Xylene
Concen: 9.026 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion: 91 Resp: 4015118
Ion Ratio Lower Upper
91 100
106 45.1 21.9 65.7





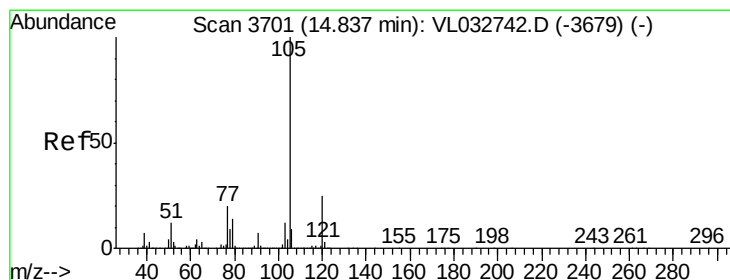
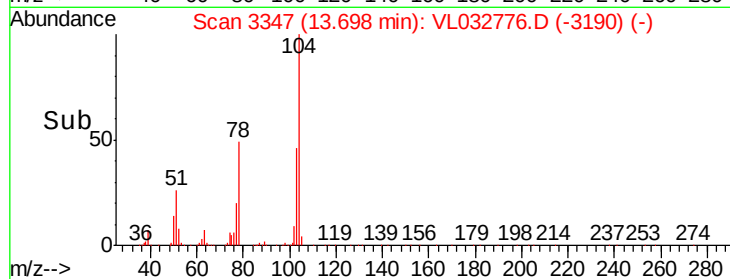
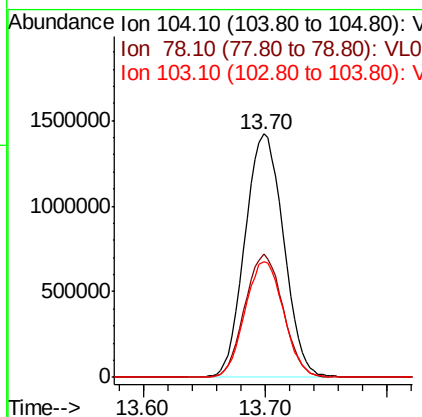
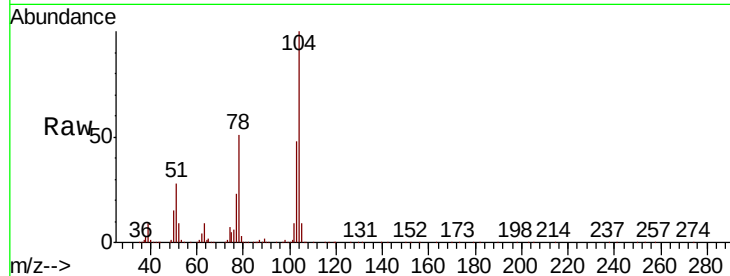
#61
Stvrene
Concen: 10.760 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	42.2	63.4
103	47.6	38.2	57.2

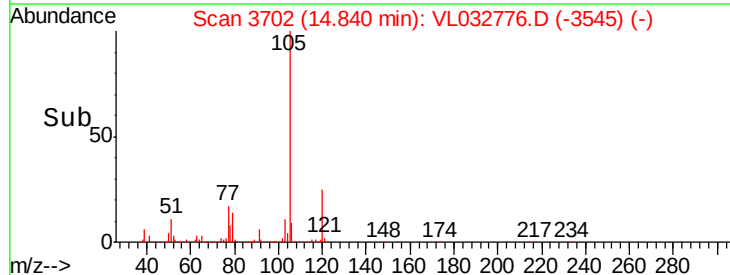
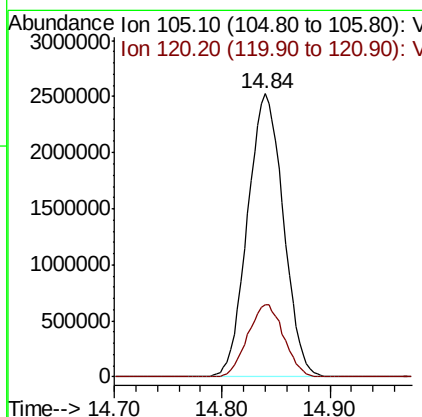
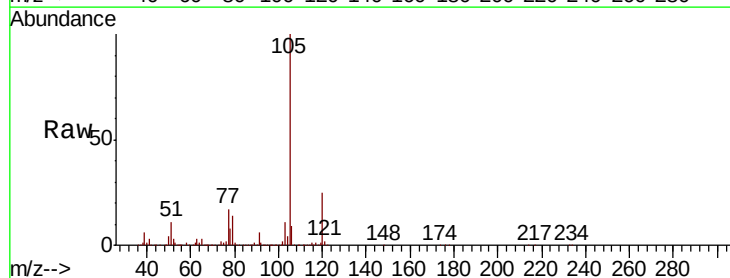
Manual Integrations
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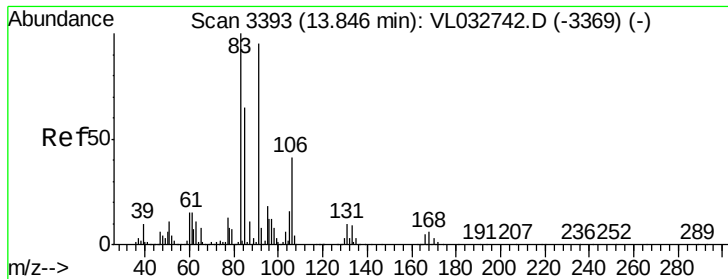
MMDadoda
11/26/2018 9:18:40 AM



#62
Isopropylbenzene
Concen: 9.686 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.1	30.1





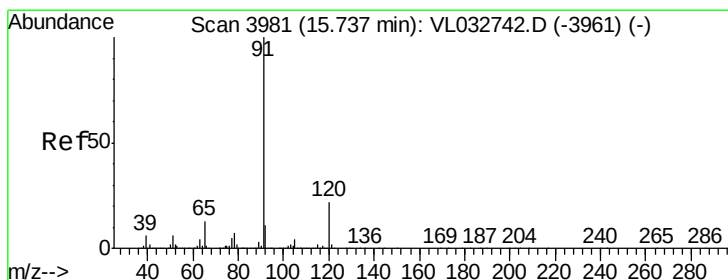
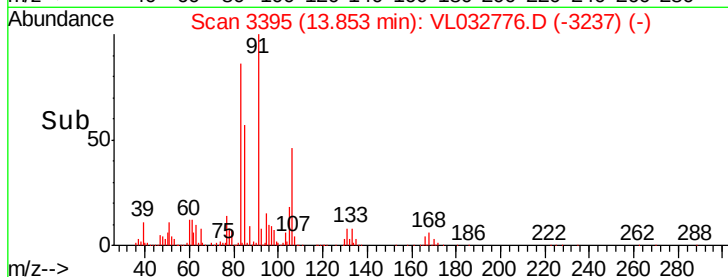
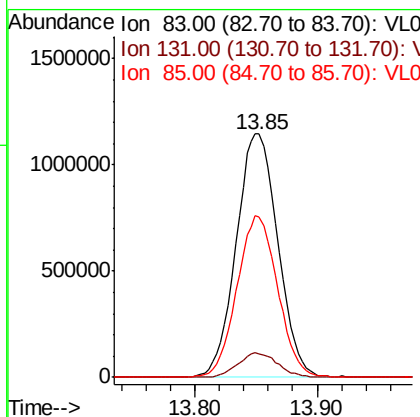
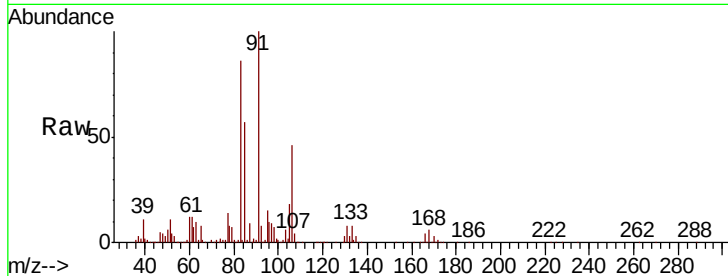
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.764 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2692174
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	65.3	32.5	97.4

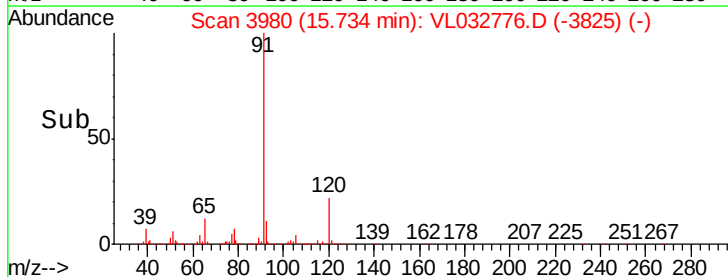
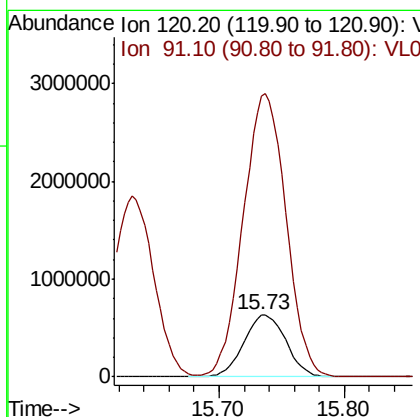
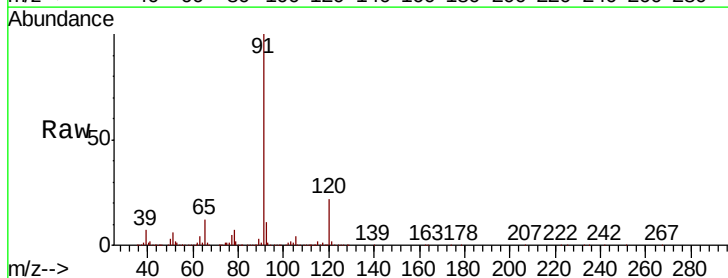
Manual Integrations
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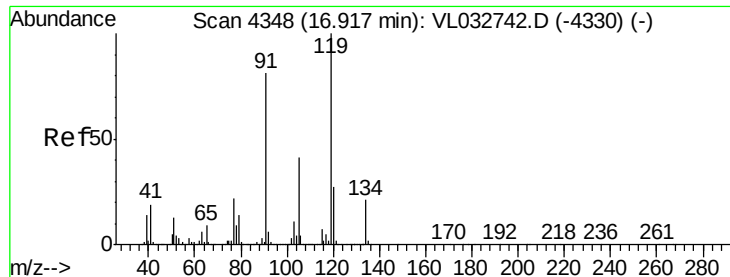
MMDadoda
 11/26/2018 9:18:40 AM



#64
 n-propylbenzene
 Concen: 9.384 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion	120	Resp	1484074
Ion Ratio	100	Lower	Upper
120	100		
91	464.4	381.7	572.5





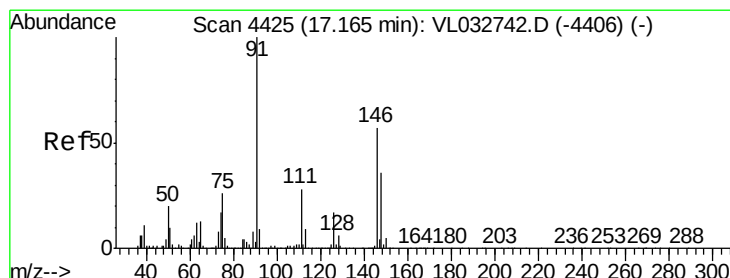
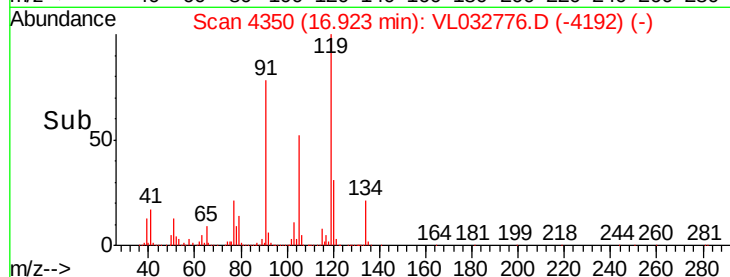
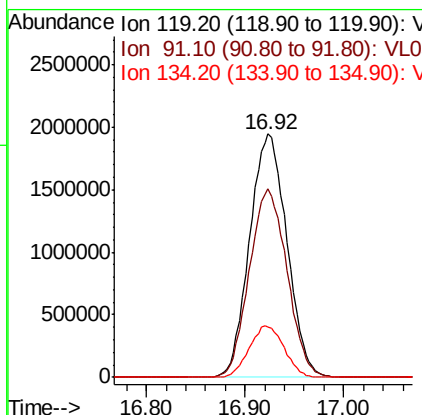
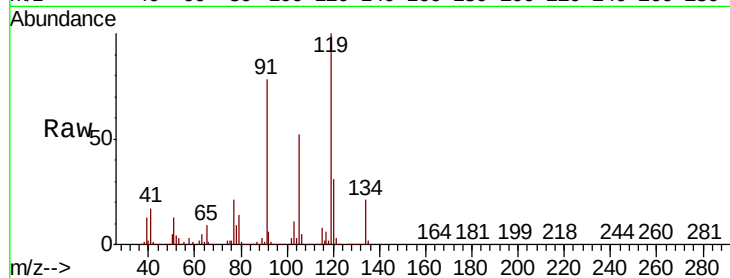
#65
 tert-Butylbenzene
 Concen: 9.403 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.5	65.6	98.4
134	20.0	15.9	23.9

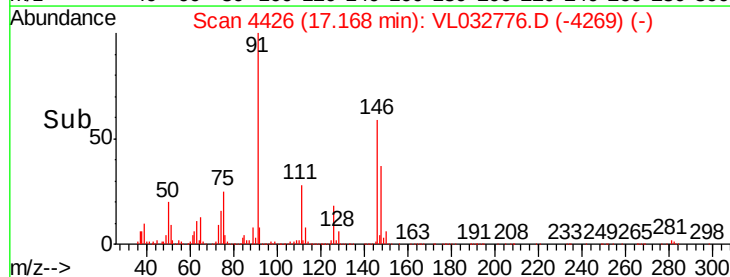
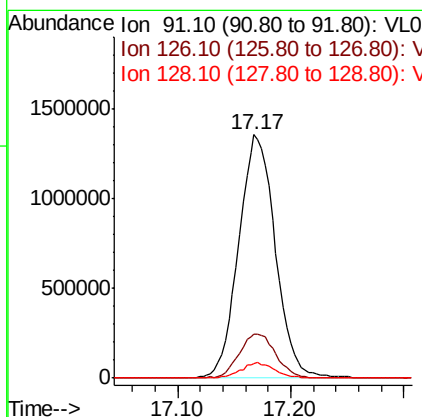
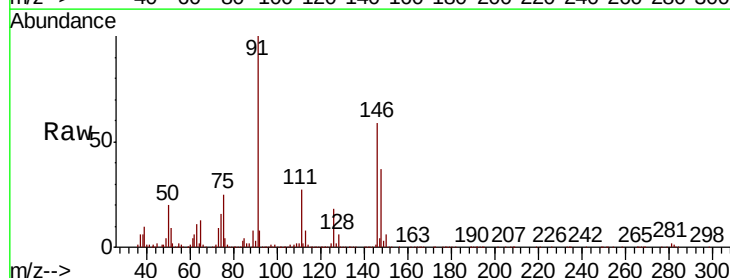
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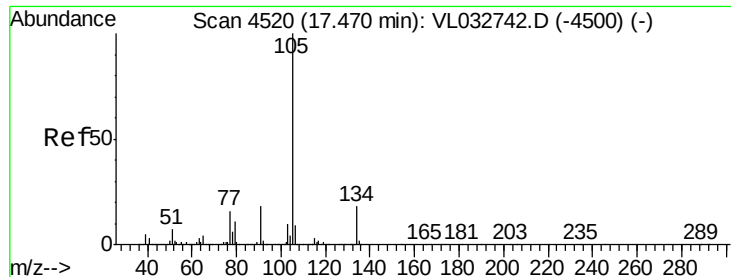
MMDadoda
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#66
 Benzyl Chloride
 Concen: 10.227 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.2	21.2
128	5.9	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.537 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 7407731

Ion Ratio Lower Upper

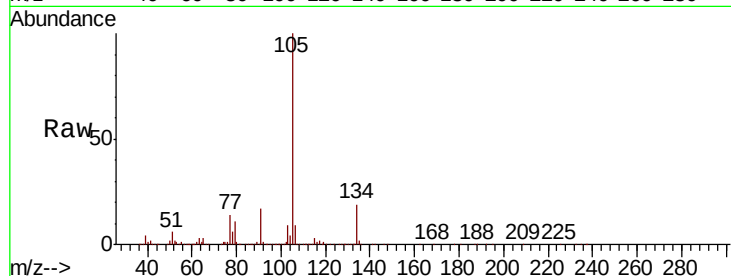
105 100

134 18.6 14.6 21.8

Manual Integrations
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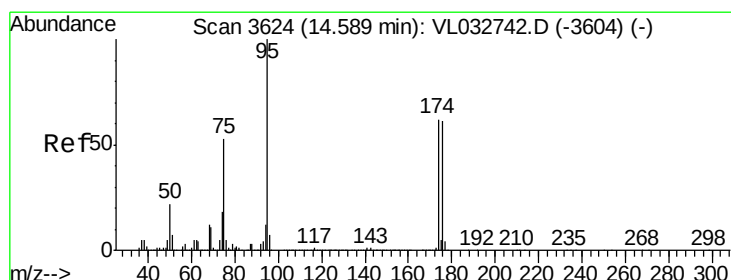
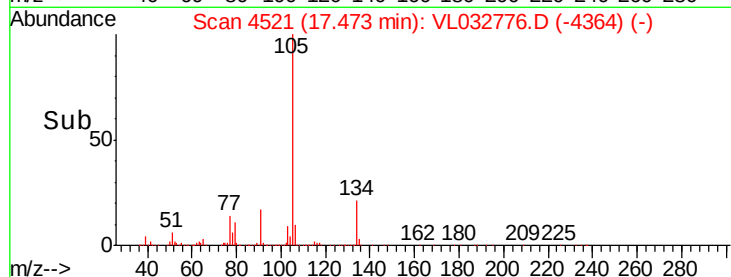
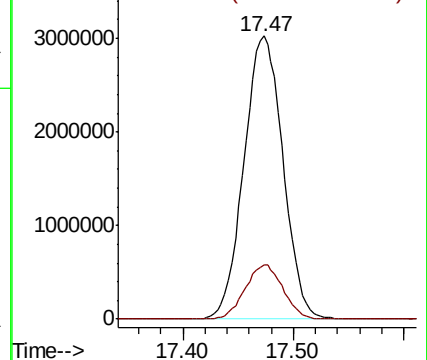
MMDadoda

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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: 9.025 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

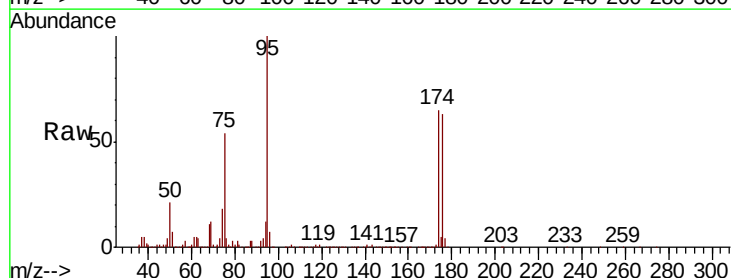
Tgt Ion: 95 Resp: 2787468

Ion Ratio Lower Upper

95 100

174 66.9 50.7 76.1

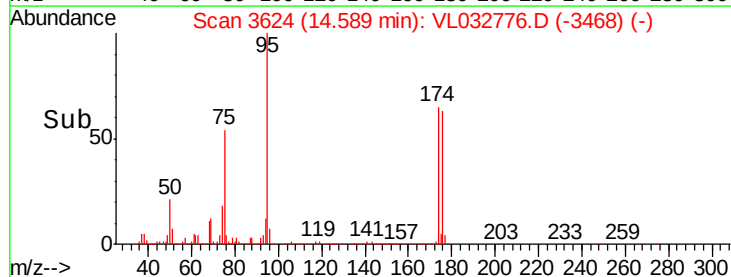
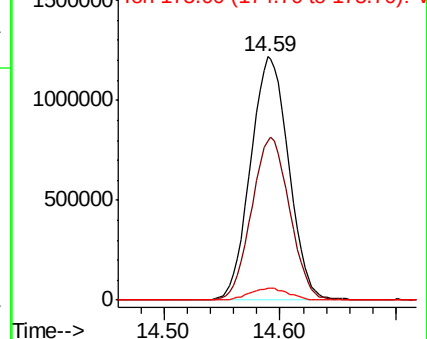
175 5.0 3.8 5.6

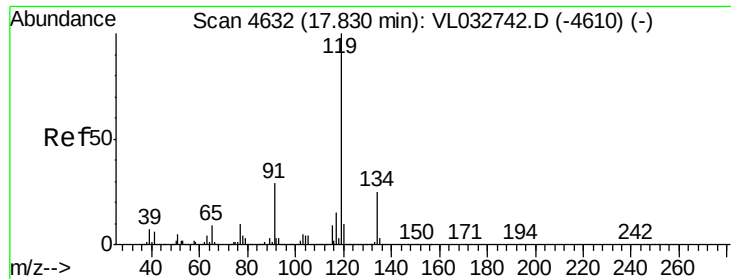


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





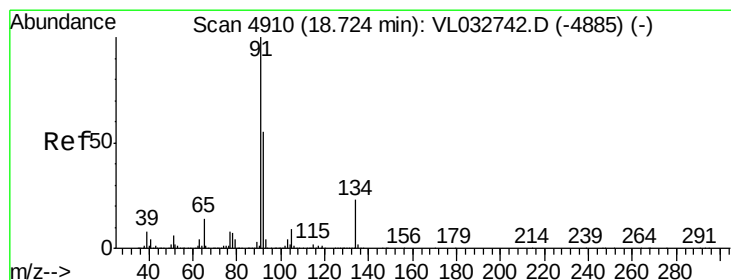
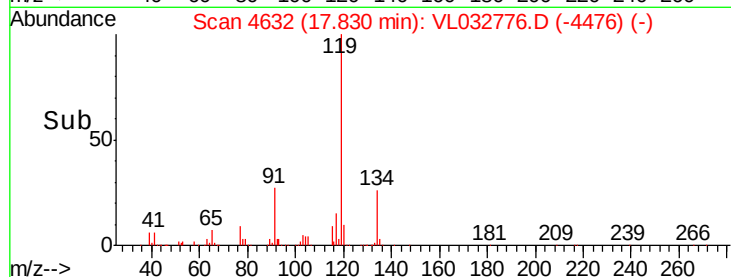
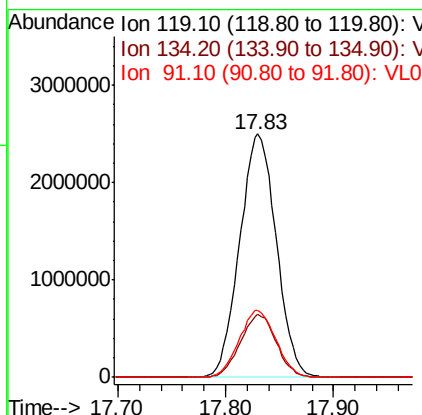
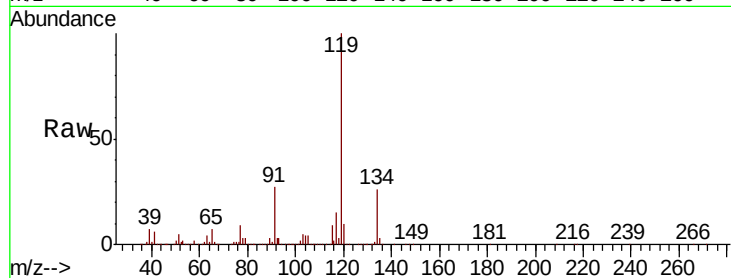
#69
 p-Isopropyltoluene
 Concen: 9.535 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.4
91	27.6	23.5	35.3

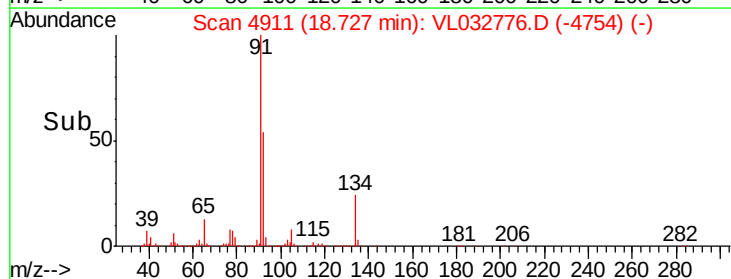
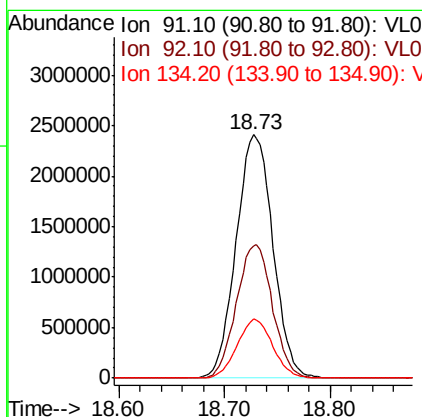
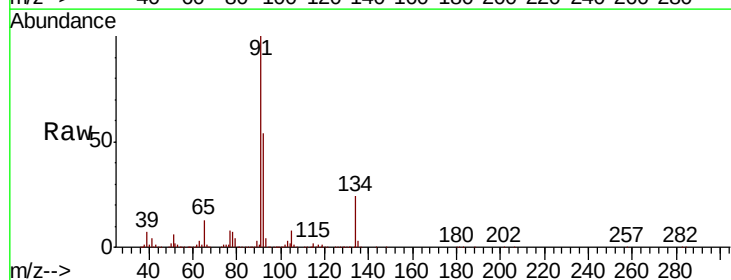
Manual Integrations
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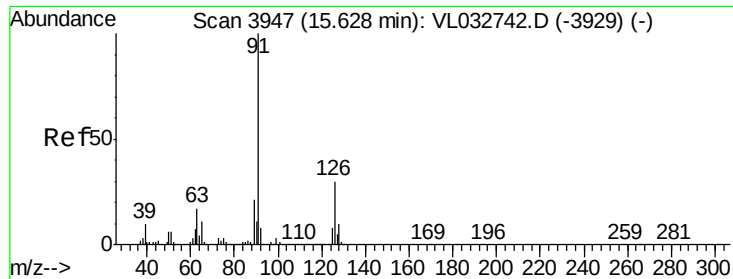
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#70
 n-Butylbenzene
 Concen: 9.298 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.9	64.3
134	23.5	17.8	26.8





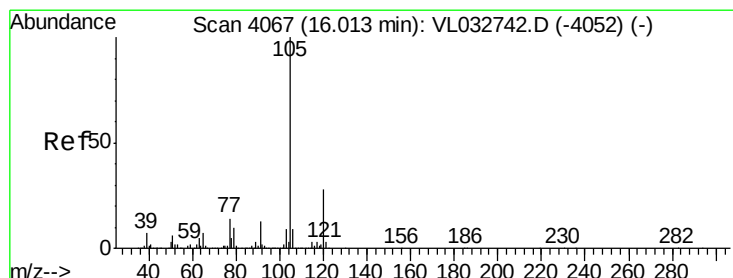
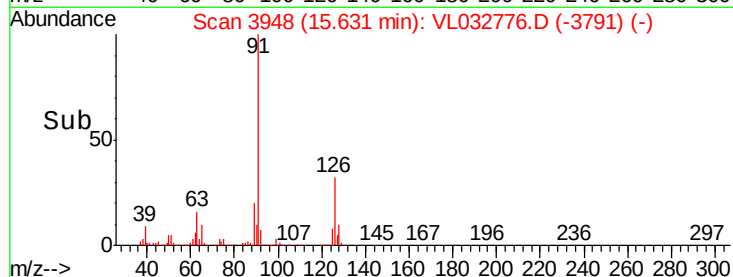
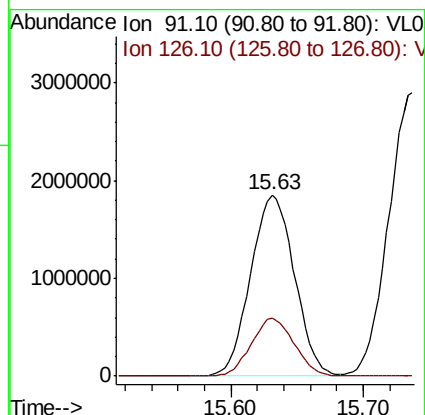
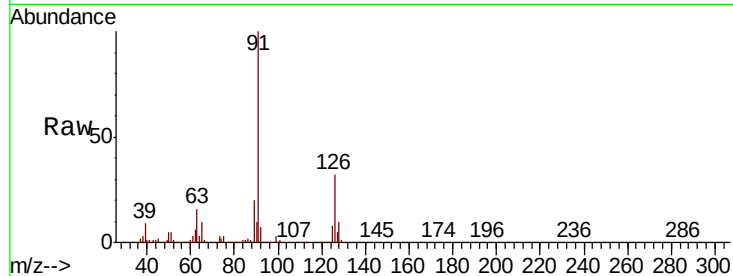
#71
2-Chlorotoluene
Concen: 9.500 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4259871
Ion Ratio Lower Upper
91 100
126 31.4 12.1 48.5

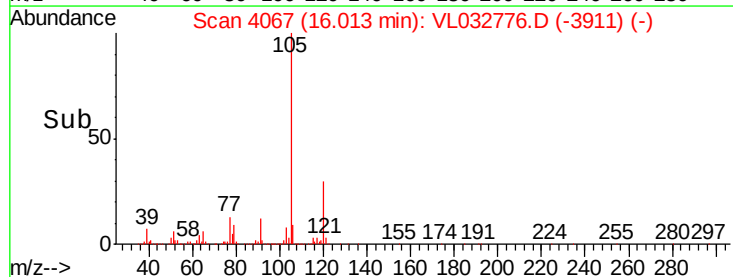
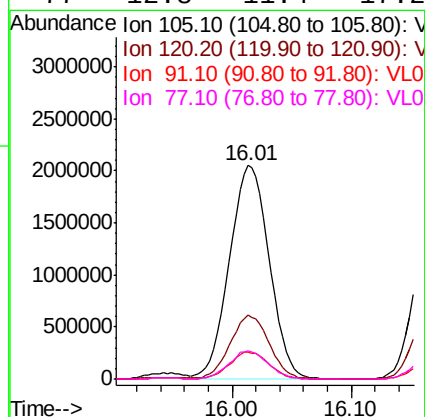
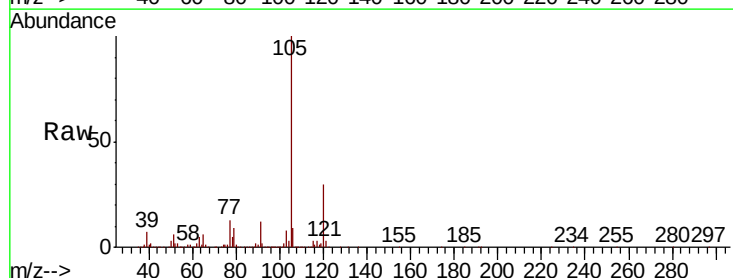
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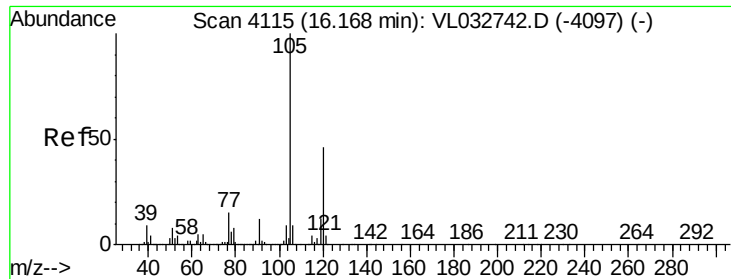
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#72
4-Ethyltoluene
Concen: 9.719 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion: 105 Resp: 4738523
Ion Ratio Lower Upper
105 100
120 29.3 22.9 34.3
91 12.5 10.6 15.8
77 12.8 11.4 17.2





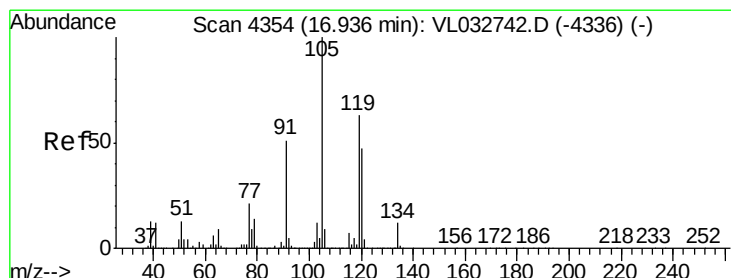
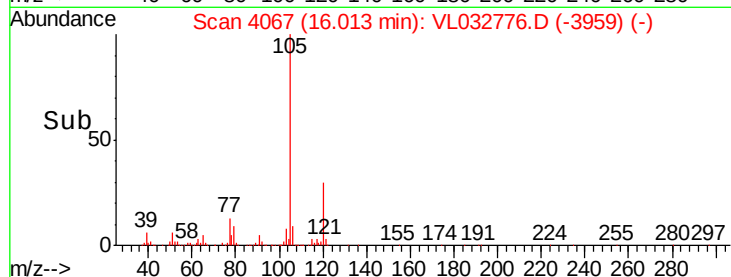
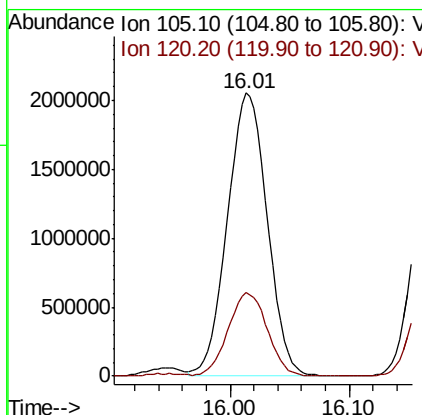
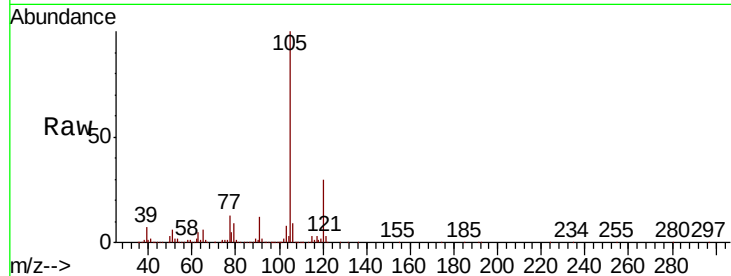
#73
 1,3,5-Trimethylbenzene
 Concen: 9.940 ppbv
 RT: 16.01 min Scan# 4067
 Delta R.T. -0.15 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4738523
 Ion Ratio Lower Upper
 105 100
 120 29.8 36.6 55.0#

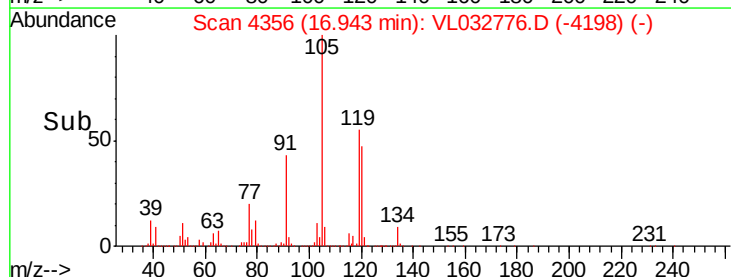
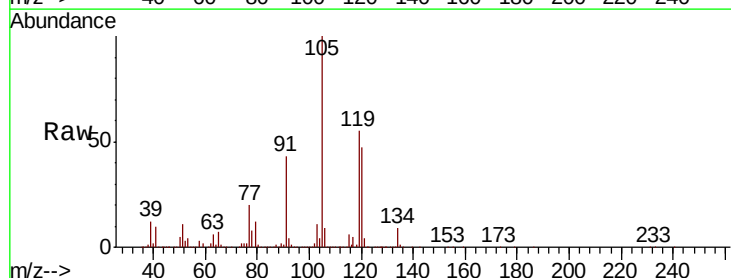
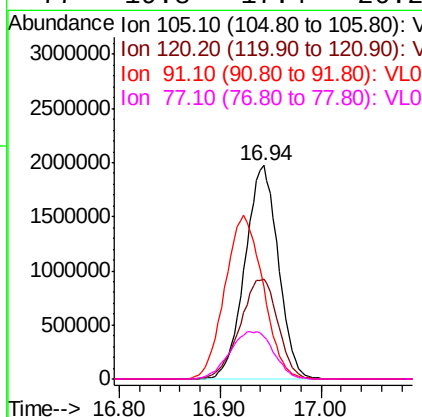
Manual Integrations
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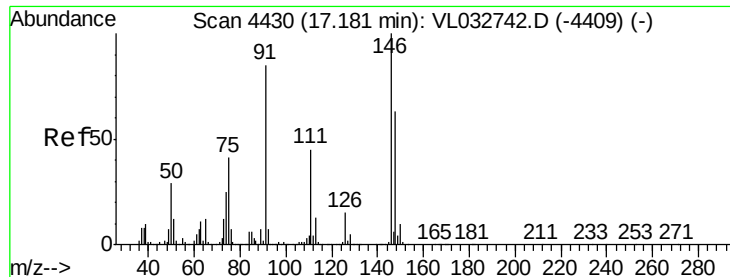
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 11/26/2018 9:18:40 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.811 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. 0.01 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion:105 Resp: 4494679
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.6 56.4
 91 43.2 42.5 63.7
 77 19.8 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 8.874 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2596712

Ion Ratio Lower Upper

146 100

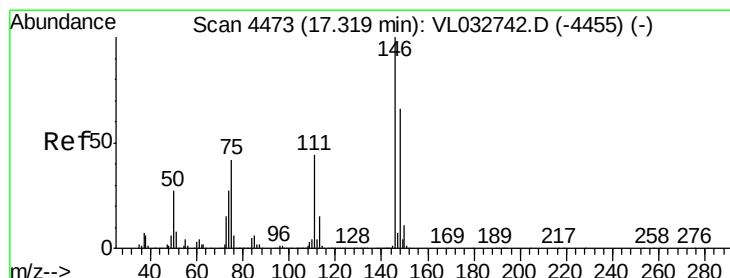
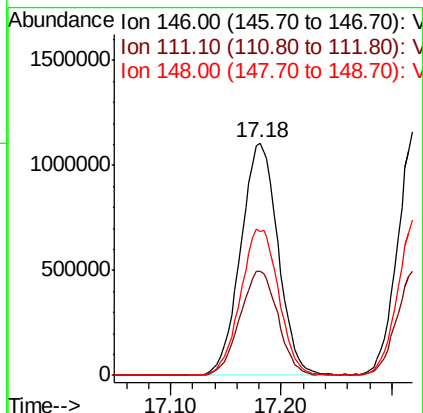
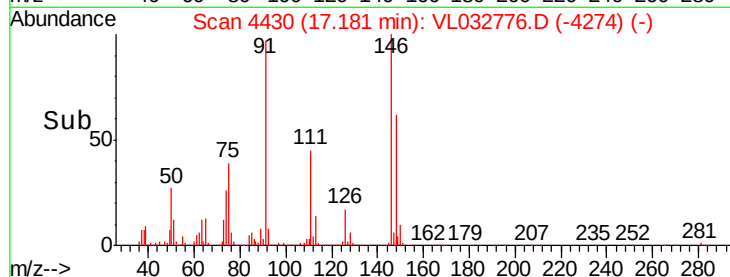
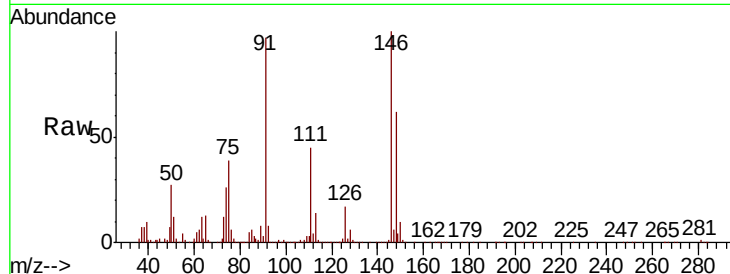
111 45.7 23.5 70.6

148 64.5 31.8 95.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.848 ppbv

RT: 17.32 min Scan# 4474

Delta R.T. 0.00 min

Lab File: VL032776.D

Acq: 20 Nov 2018 11:57

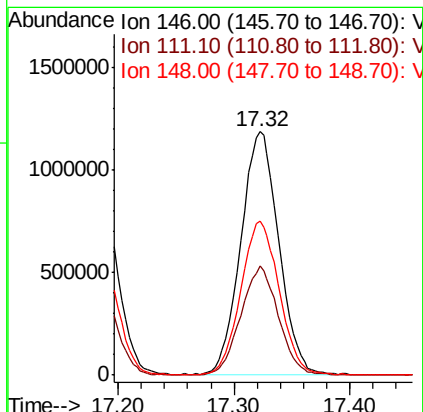
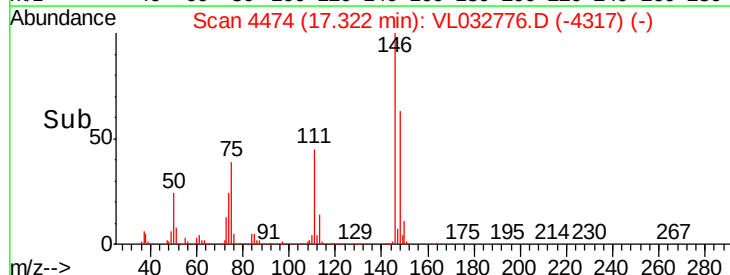
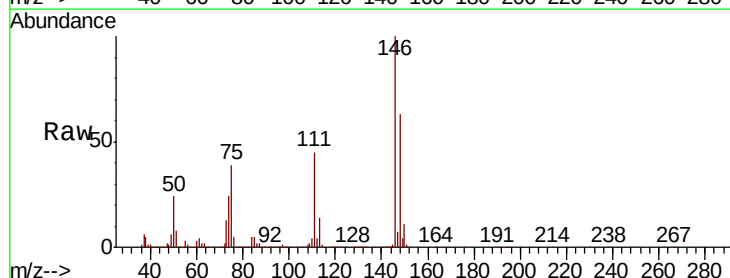
Tgt Ion:146 Resp: 2691803

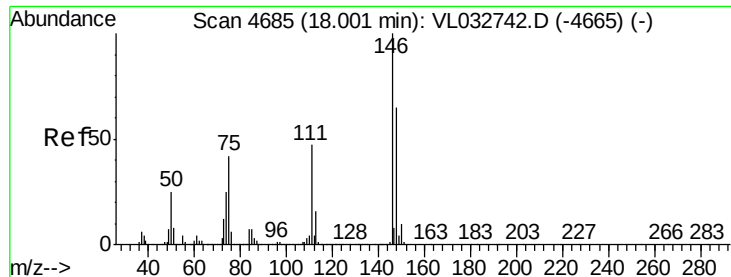
Ion Ratio Lower Upper

146 100

111 44.5 22.5 67.5

148 64.4 32.5 97.5





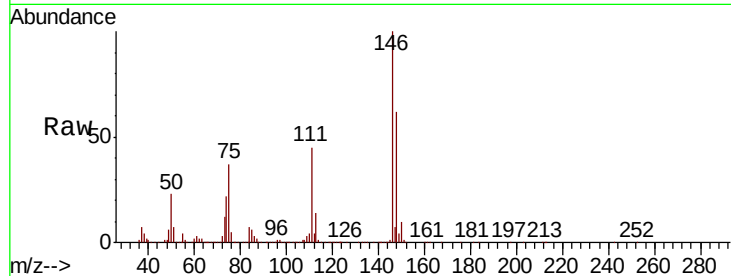
#77
 1,2-Dichlorobenzene
 Concen: 9.247 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

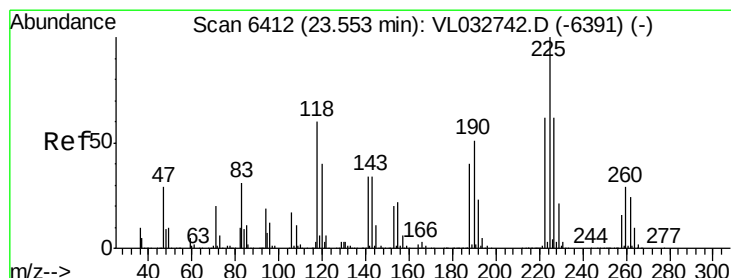
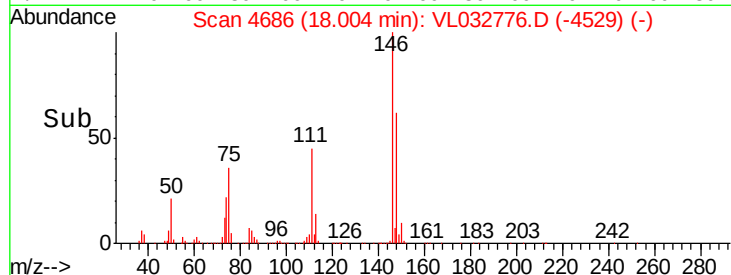
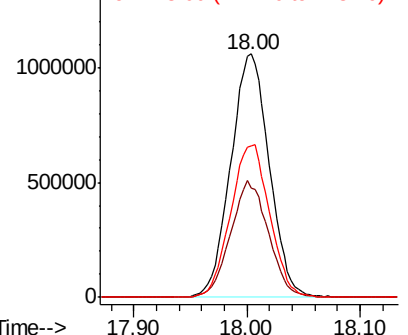
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.4	73.2
148	63.9	32.2	96.6

Manual Integrations
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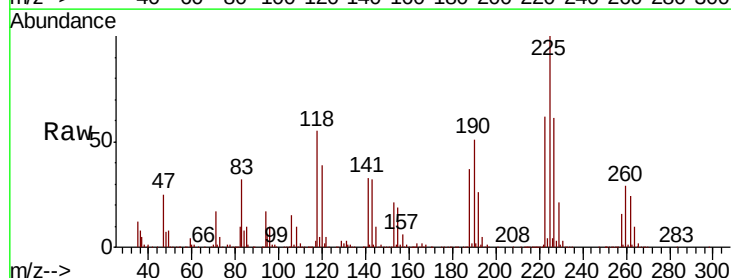


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

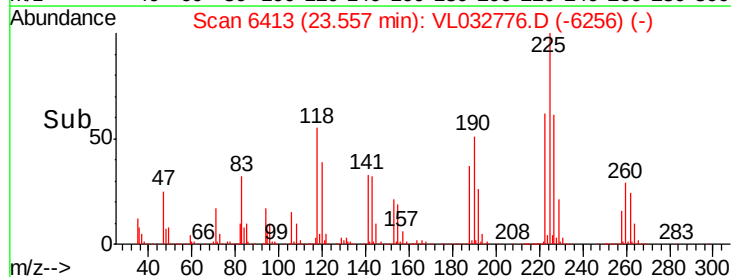
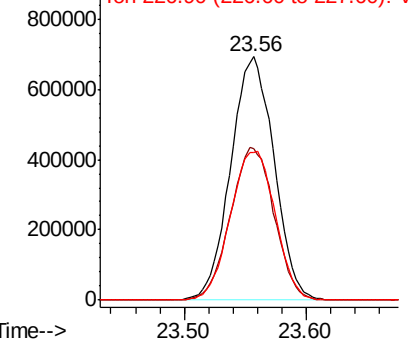


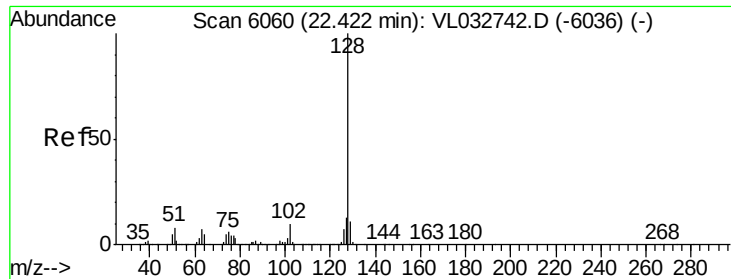
#78
 Hexachloro-1,3-Butadiene
 Concen: 11.645 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.6	50.2	75.4



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





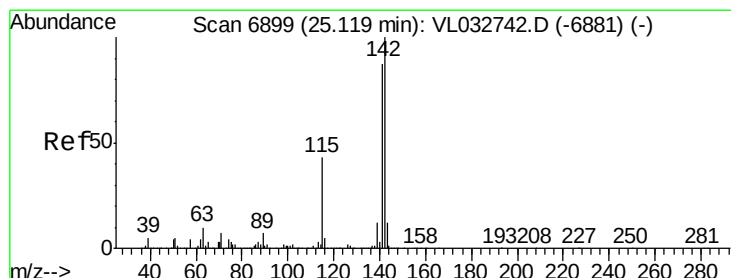
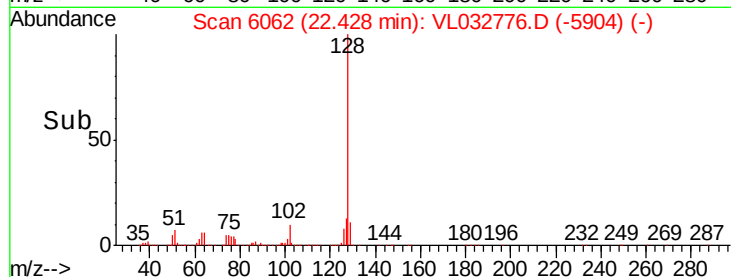
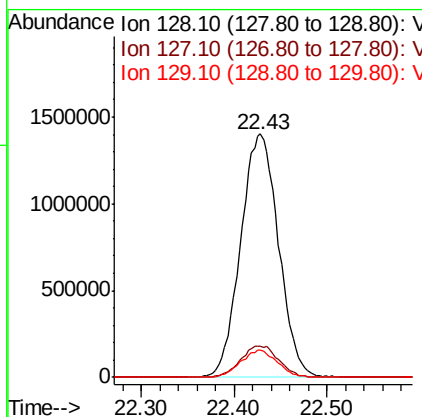
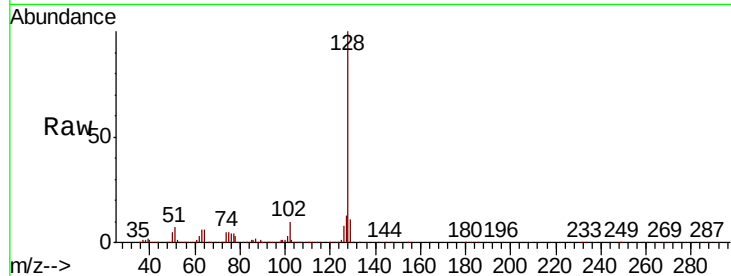
#79
Naphthalene
Concen: 11.872 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.2	8.9	13.3

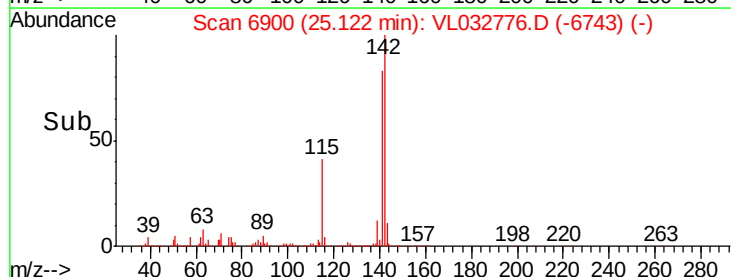
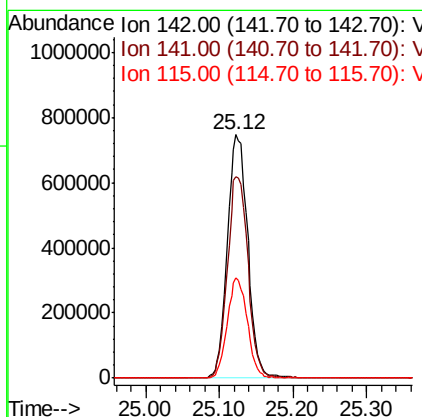
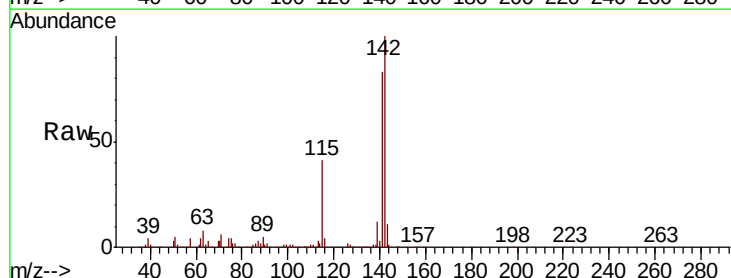
Manual Integrations
APPROVED

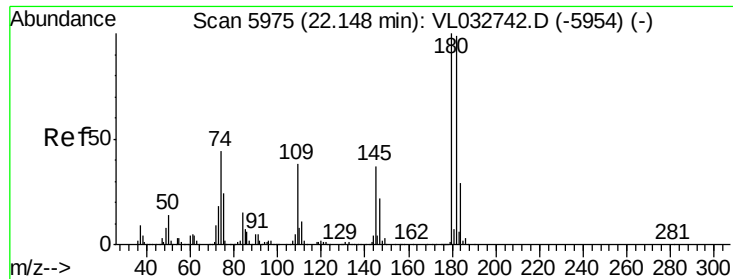
MMDadoda
11/26/2018 9:18:40 AM



#80
Naphthalene, 2-methyl-
Concen: 17.131 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032776.D
Acq: 20 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.7	103.1
115	40.4	35.5	53.3





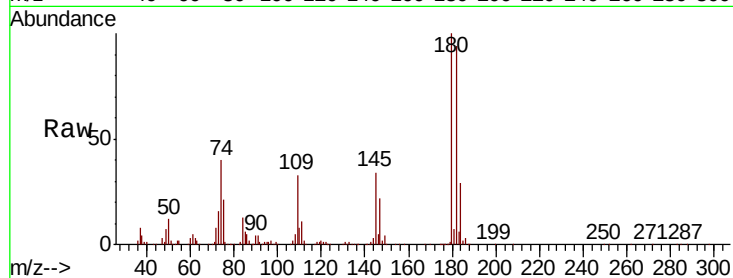
#81
 1,2,4-Trichlorobenzene
 Concen: 11.792 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032776.D
 Acq: 20 Nov 2018 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
184	30.2	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:40 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

