

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032744.D
 Acq On : 14 Nov 2018 3:45
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:29:43 PM

Quant Time: Nov 14 05:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:55:47 2018
 QLast Update : Wed Nov 14 05:38:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1644957	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4173497	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3890340	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2867373	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	256206	1.366	ppbv	99
3) Chlorodifluoromethane	3.02	51	142004	1.091	ppbv	99
4) Chloromethane	3.18	50	76750	1.061	ppbv	90
5) Vinyl Chloride	3.30	62	77605	0.992	ppbv	96
6) Bromomethane	3.52	94	48973	0.996	ppbv	96
7) Chloroethane	3.61	64	29612	1.024	ppbv #	87
8) Dichlorotetrafluoroethane	3.23	85	206413	1.152	ppbv	99
9) Propene	3.04	41	54216	1.024	ppbv	98
10) Heptane	8.26	43	198493	0.966	ppbv	99
11) Trichlorofluoromethane	4.01	101	266832	1.198	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	195680	1.087	ppbv	97
13) Ethanol	3.66	45	20791m	1.390	ppbv	
14) Bromoethene	3.80	108	64741	1.046	ppbv	99
15) Acetone	3.92	43	201435	1.317	ppbv	100
16) 1,3-Butadiene	3.37	39	61814	1.066	ppbv	92
17) tert-Butyl alcohol	4.38	59	50215	1.162	ppbv	99
18) 1,1-Dichloroethene	4.36	96	96659	1.191	ppbv	95
19) Isopropyl Alcohol	4.05	45	120205	1.128	ppbv #	95
20) Methylene Chloride	4.42	84	77618	0.998	ppbv	96
21) Allyl Chloride	4.49	41	127502	1.042	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	88741	1.063	ppbv	79
23) Vinyl Acetate	5.16	43	286135	1.037	ppbv	98
24) 1,1-Dichloroethane	5.10	63	236269	1.089	ppbv	99
25) Ethyl Acetate	5.78	43	370317	1.058	ppbv	100
26) Hexane	5.79	57	160605	0.975	ppbv	90
27) Carbon Disulfide	4.63	76	221760	1.122	ppbv	94
28) Methyl tert-Butyl Ether	5.13	73	265598	1.087	ppbv	98
29) Chloroform	5.86	83	293490	1.101	ppbv	98
30) Cyclohexane	7.25	84	140274m	1.061	ppbv	
31) cis-1,2-Dichloroethene	5.65	61	150833	0.980	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	304986	1.116	ppbv	98
34) 2-Butanone	5.35	43	221609	0.989	ppbv	98
35) Carbon Tetrachloride	7.14	117	328064	1.097	ppbv	94
36) Benzene	7.01	78	351568	1.043	ppbv	99
37) 1,2-Dichloroethane	6.42	62	232150	1.108	ppbv #	96
38) Trichloroethene	7.97	130	133659	1.058	ppbv	97
39) 1,2-Dichloropropane	7.74	63	130595m	1.003	ppbv	
40) 1,4-Dioxane	7.99	88	44091m	0.996	ppbv	
41) Tetrahydrofuran	6.17	42	123564	0.997	ppbv	99
42) Bromodichloromethane	7.92	83	316209	1.080	ppbv	96
43) Methyl Methacrylate	8.15	69	117548	0.949	ppbv	95

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Manual Integrations
 APPROVED

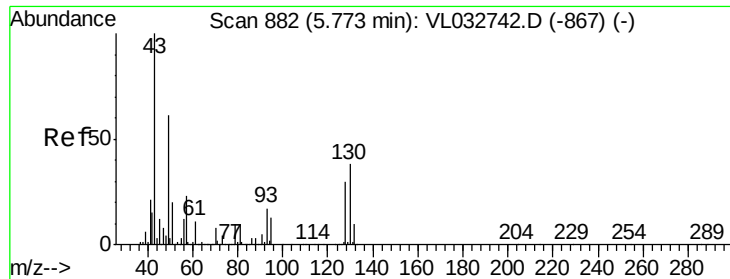
MMDadoda
 11/16/2018 1:29:43 PM

Quant Time: Nov 14 05:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	587607	1.020	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	142857	0.861	ppbv #	87
46) cis-1,3-Dichloropropene	8.84	75	185021	0.960	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	146841	0.955	ppbv	95
48) Dibromochloromethane	10.46	129	247095	0.954	ppbv	96
49) Bromoform	13.21	173	204318	1.004	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	345232	1.030	ppbv	99
51) 2-Hexanone	10.30	43	209816	0.870	ppbv #	94
52) Tetrachloroethene	11.38	164	118778	1.005	ppbv	96
53) Toluene	9.96	91	329481	0.864	ppbv	97
54) 1,2-Dibromoethane	10.77	107	206436	0.998	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	197815m	1.145	ppbv	
57) Chlorobenzene	12.31	112	313035	1.082	ppbv	95
58) Ethyl Benzene	12.88	91	468246	1.025	ppbv	99
59) m/p-Xylene	13.16	91	875515m	2.154	ppbv	
60) o-Xylene	13.86	91	461059	1.168	ppbv	99
61) Styrene	13.69	104	281206	1.065	ppbv	99
62) Isopropylbenzene	14.84	105	611952	1.098	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	332762	1.084	ppbv	98
64) n-propylbenzene	15.73	120	161463	1.156	ppbv	95
65) tert-Butylbenzene	16.92	119	557597	1.160	ppbv	96
66) Benzyl Chloride	17.16	91	256298	1.021	ppbv	99
67) sec-Butylbenzene	17.47	105	793748	1.163	ppbv	99
69) p-Isopropyltoluene	17.82	119	612831	1.131	ppbv	98
70) n-Butylbenzene	18.72	91	619929	1.115	ppbv	99
71) 2-Chlorotoluene	15.63	91	437580	1.093	ppbv	97
72) 4-Ethyltoluene	16.01	105	475048	1.118	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	486222	1.174	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	535017	1.211	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	291138	1.144	ppbv	94
76) 1,4-Dichlorobenzene	17.31	146	269378m	1.145	ppbv	
77) 1,2-Dichlorobenzene	18.00	146	265705	1.107	ppbv	98
78) Hexachloro-1,3-Butadiene	23.55	225	145613	1.197	ppbv	98
79) Naphthalene	22.42	128	303595	1.093	ppbv	97
80) Naphthalene, 2-methyl-	25.13	142	44934	0.676	ppbv	95
81) 1,2,4-Trichlorobenzene	22.15	180	155034m	1.091	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032744.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1644957

Ion Ratio Lower Upper

49 100

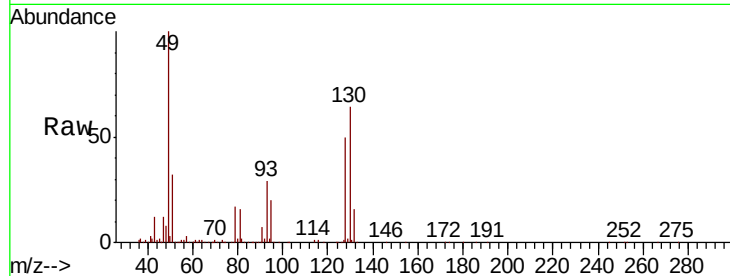
128 50.8 24.9 74.6

130 64.6 31.4 94.2

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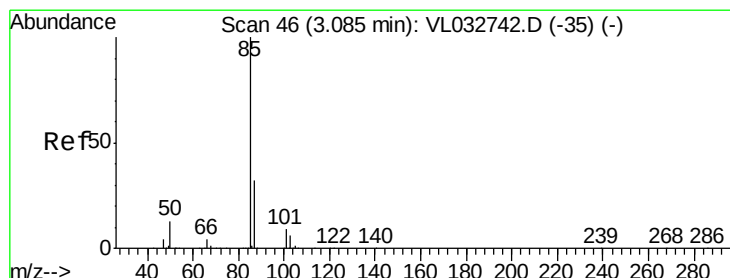
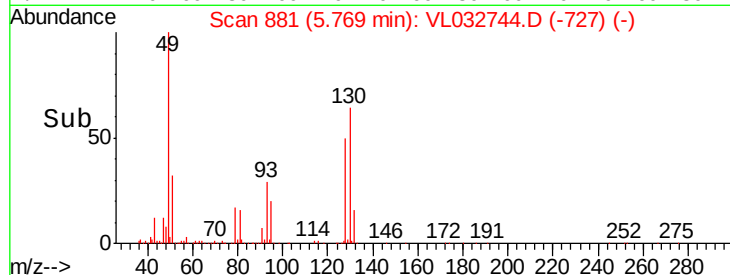
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.77

Time-->



#2

Dichlorodifluoromethane

Concen: 1.366 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032744.D

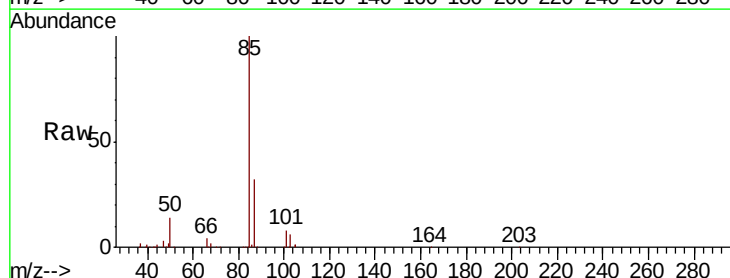
Acq: 14 Nov 2018 3:45

Tgt Ion: 85 Resp: 256206

Ion Ratio Lower Upper

85 100

87 32.0 26.0 39.0

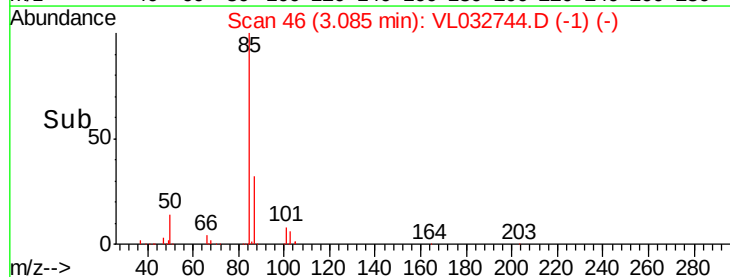


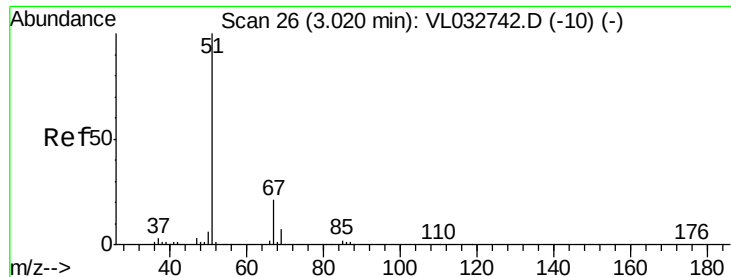
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

Time-->





#3

Chlorodifluoromethane

Concen: 1.091 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tot Ion: 51 Resp: 142004

Ion Ratio Lower Upper

51 100

67 19.6 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

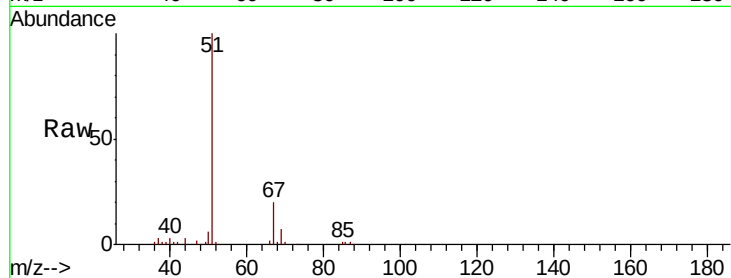
VSTDIC001

Manual Integrations

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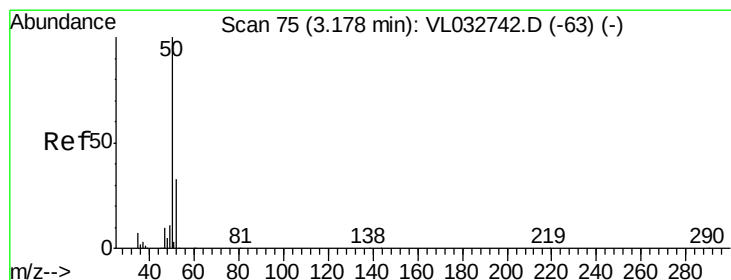
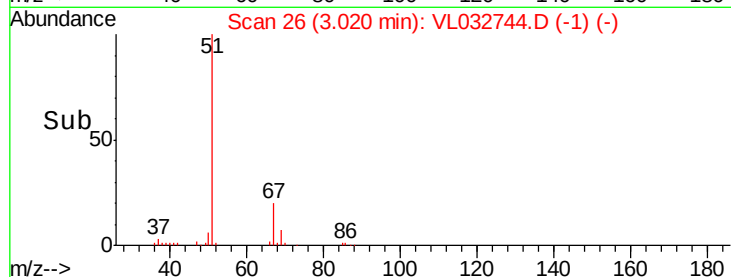
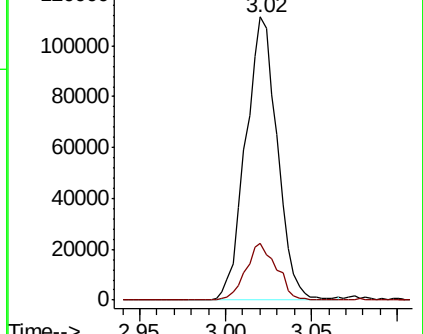
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.061 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032744.D

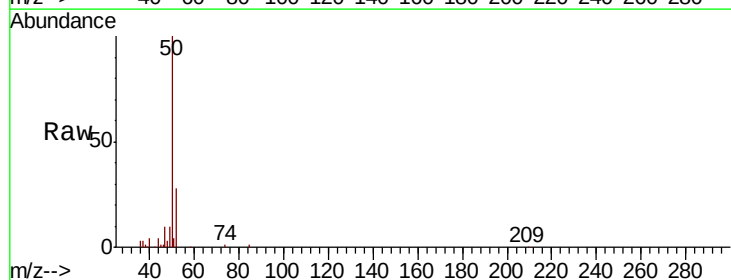
Acq: 14 Nov 2018 3:45

Tgt Ion: 50 Resp: 76750

Ion Ratio Lower Upper

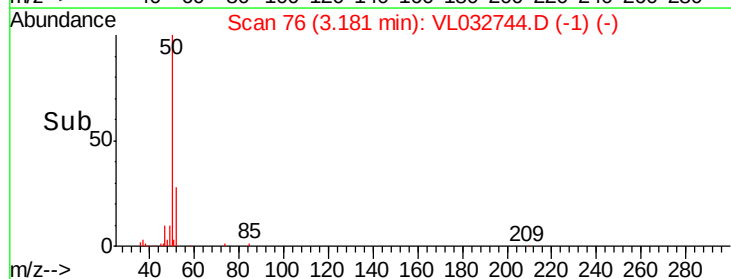
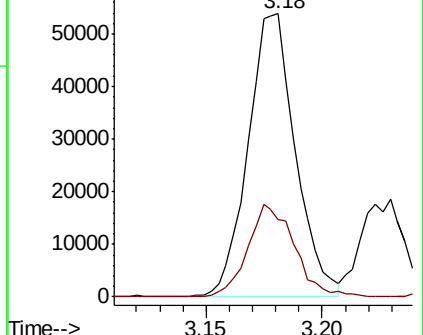
50 100

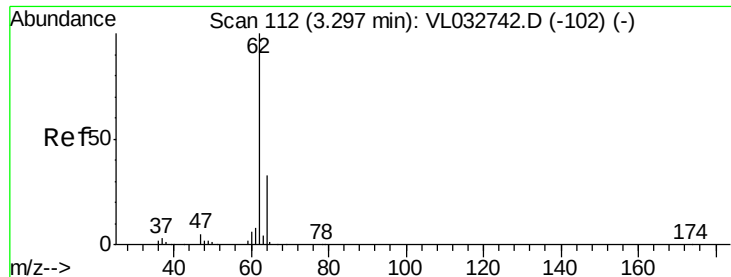
52 27.6 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.992 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 77605

Ion Ratio Lower Upper

62 100

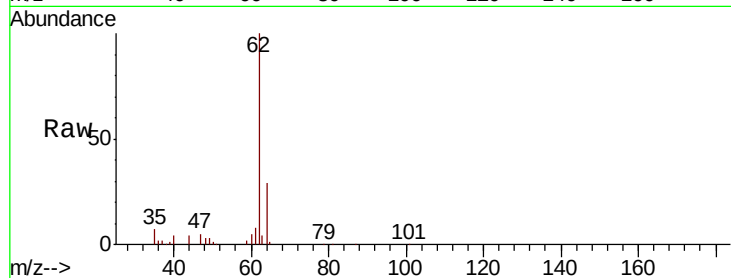
64 30.4 26.2 39.4

Manual Integrations

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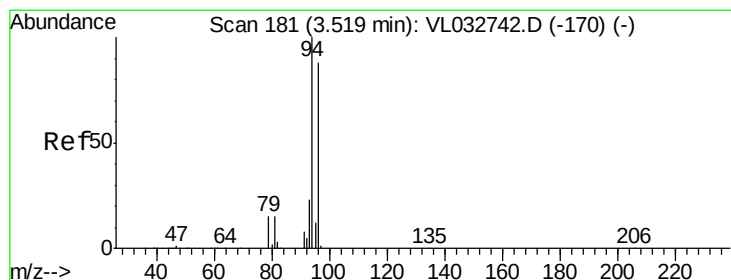
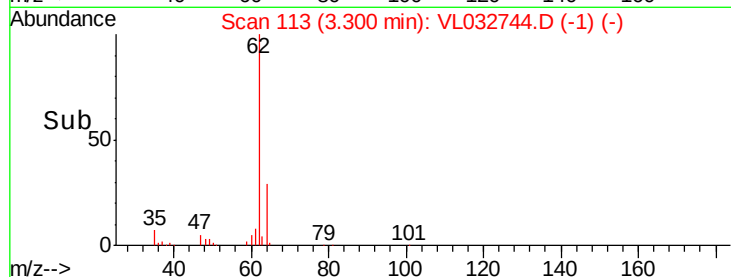
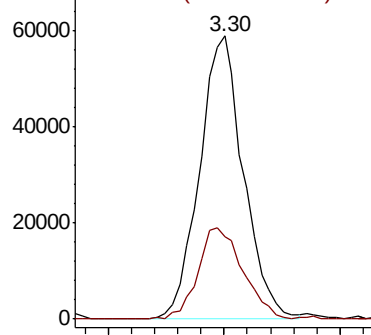
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.996 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032744.D

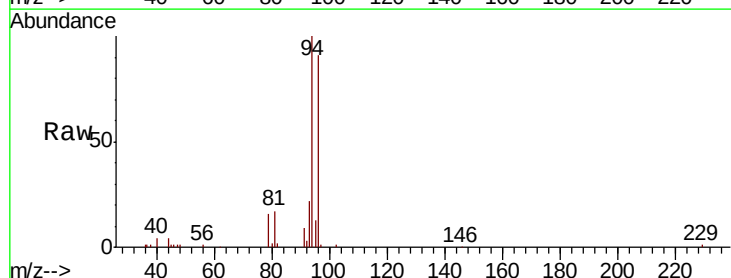
Acq: 14 Nov 2018 3:45

Tgt Ion: 94 Resp: 48973

Ion Ratio Lower Upper

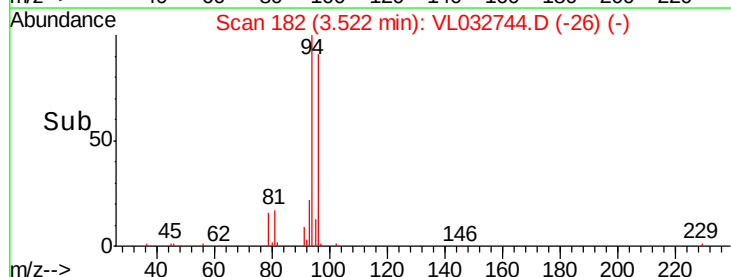
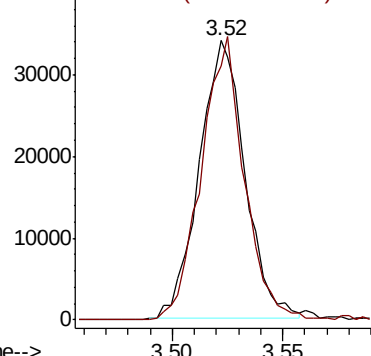
94 100

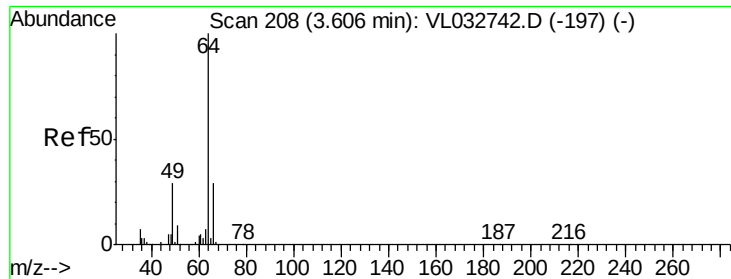
96 91.4 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.024 ppbv

RT: 3.61 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 29612

Ion Ratio Lower Upper

64 100

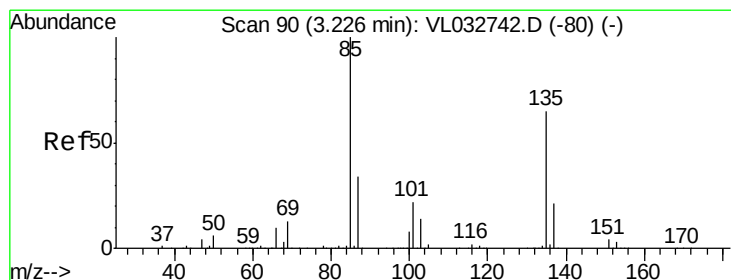
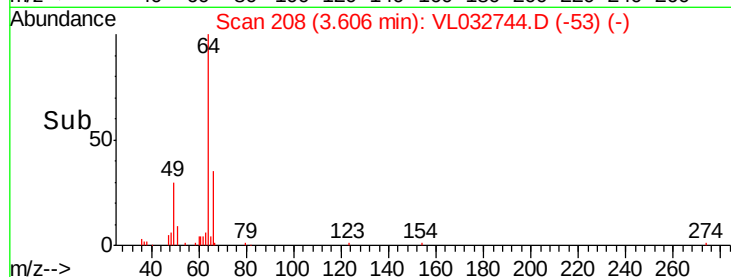
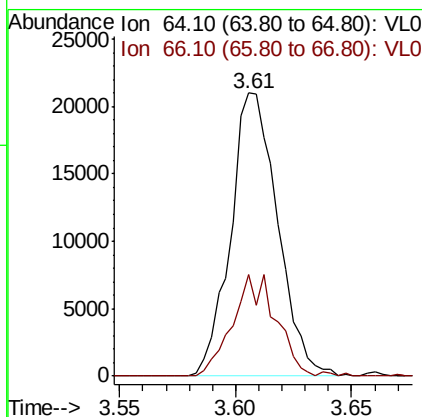
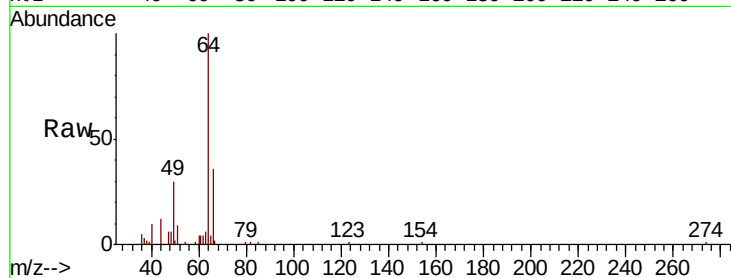
66 35.7 23.2 34.8#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.152 ppbv

RT: 3.23 min Scan# 90

Delta R.T. -0.00 min

Lab File: VL032744.D

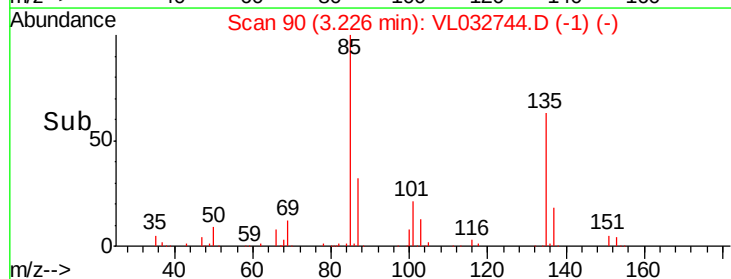
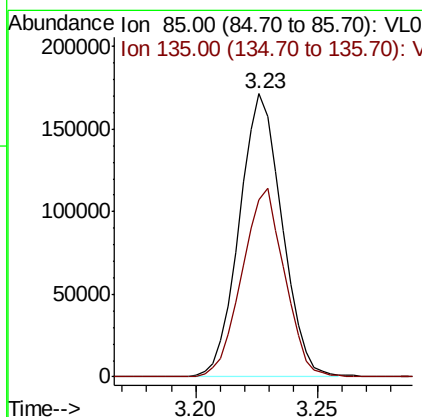
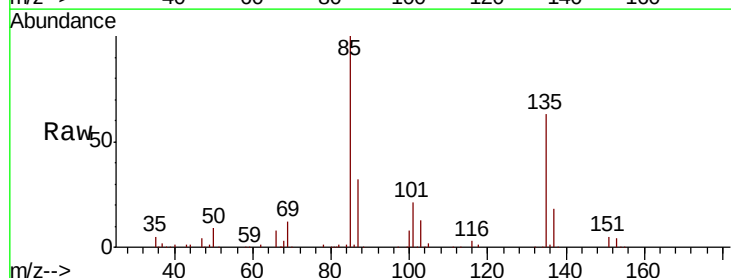
Acq: 14 Nov 2018 3:45

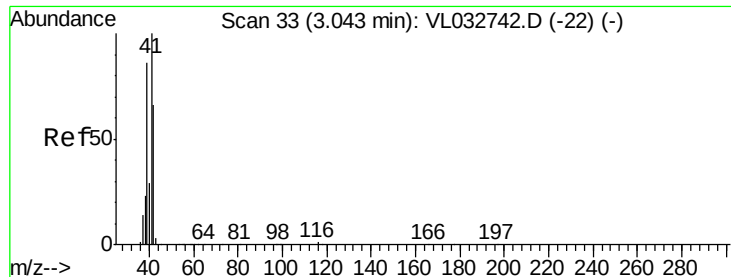
Tgt Ion: 85 Resp: 206413

Ion Ratio Lower Upper

85 100

135 66.7 53.8 80.8





#9

Propene

Concen: 1.024 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 54216

Ion Ratio Lower Upper

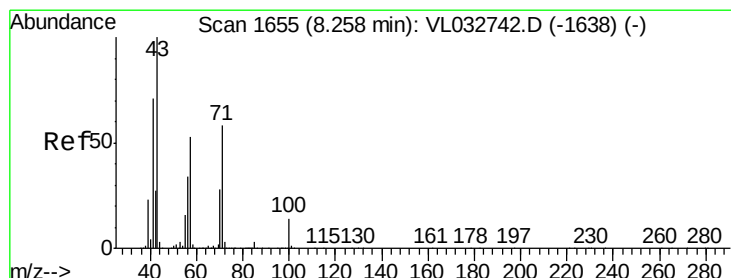
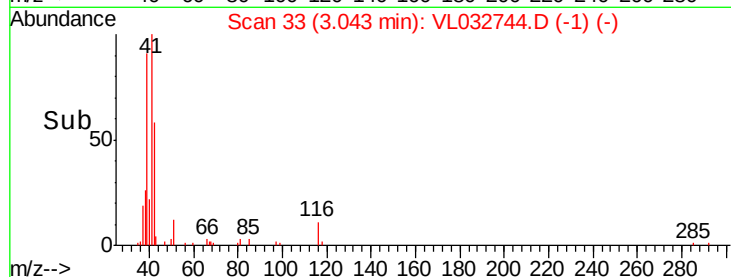
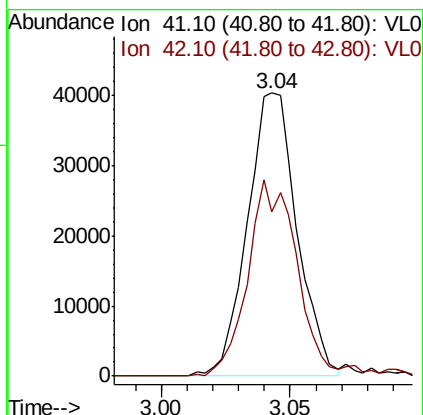
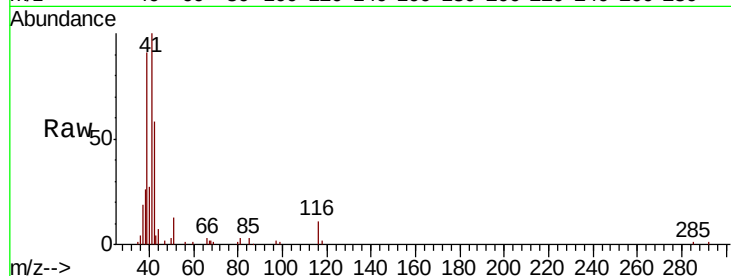
41 100

42 70.7 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 0.966 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VL032744.D

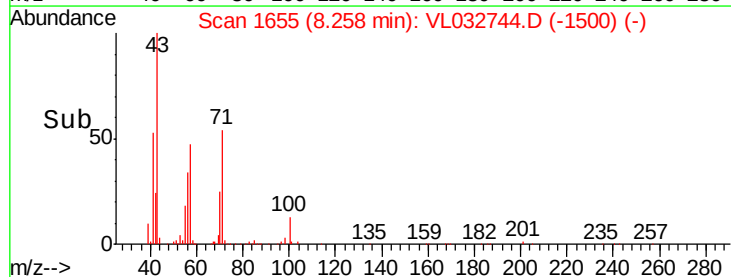
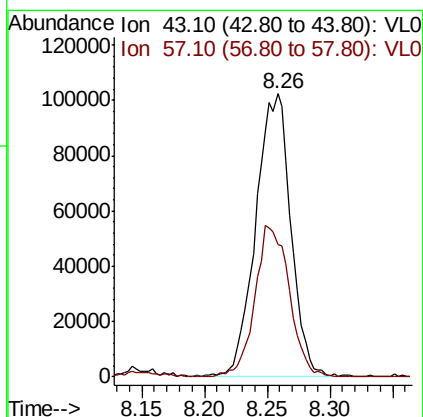
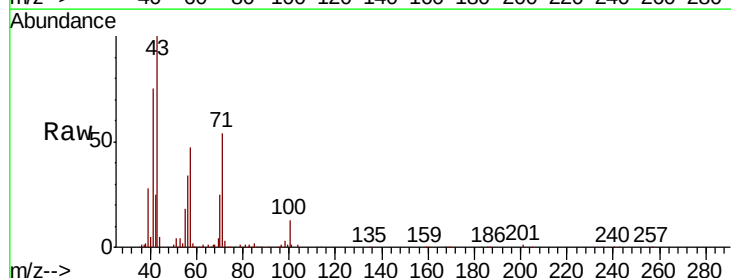
Acq: 14 Nov 2018 3:45

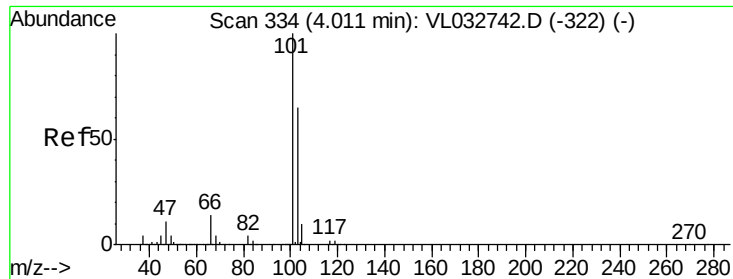
Tgt Ion: 43 Resp: 198493

Ion Ratio Lower Upper

43 100

57 52.9 41.8 62.8





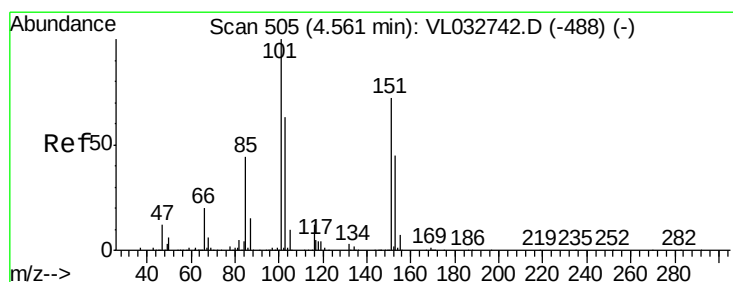
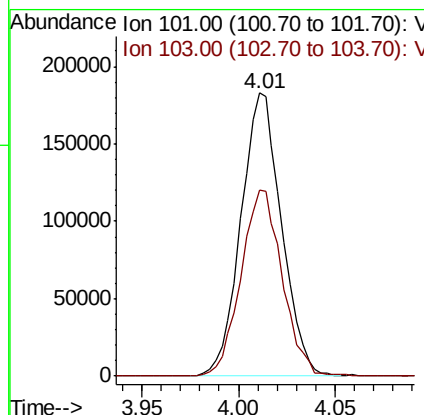
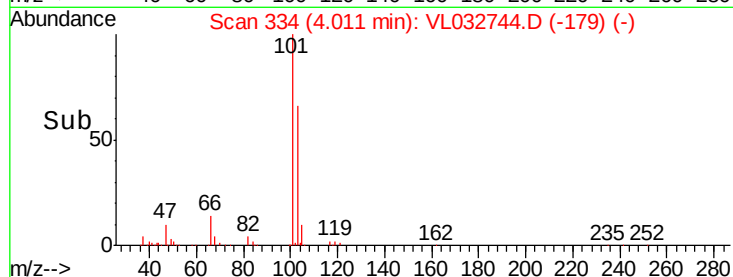
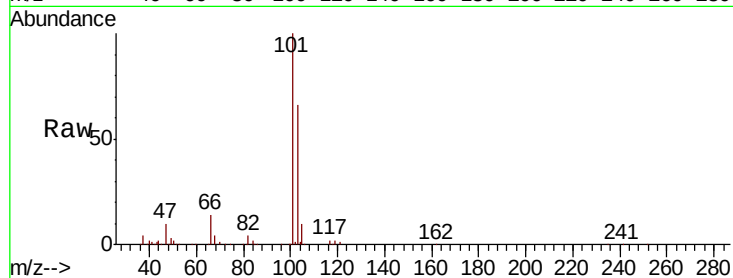
#11
 Trichlorofluoromethane
 Concen: 1.198 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 266832
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

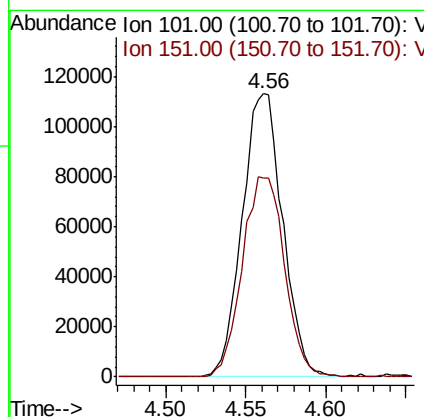
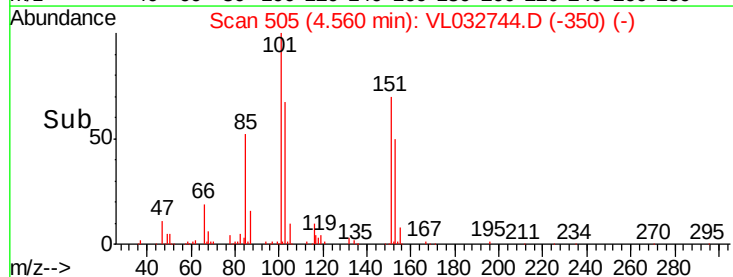
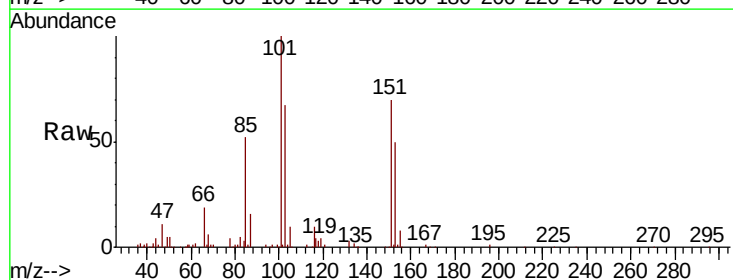
Manual Integrations
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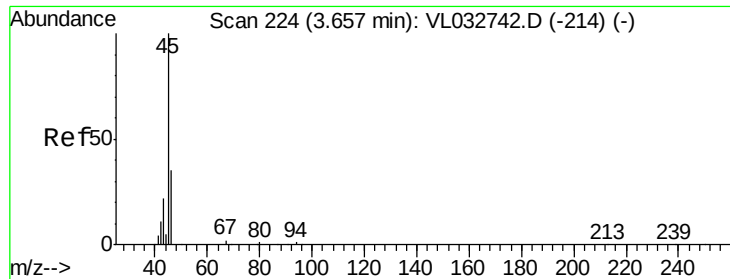
MMDadoda
 11/16/2018 1:29:43 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.087 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion:101 Resp: 195680
 Ion Ratio Lower Upper
 101 100
 151 73.7 56.7 85.1





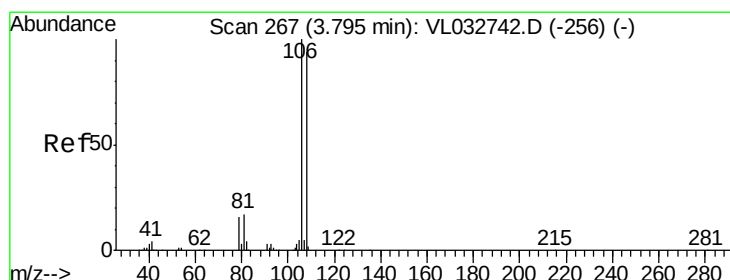
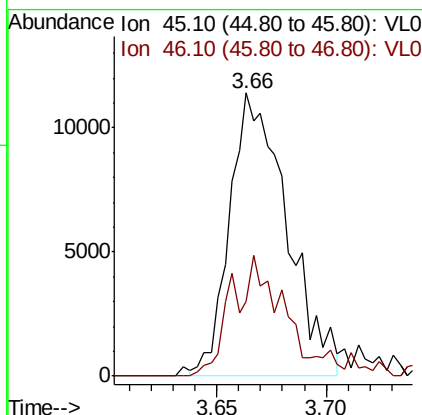
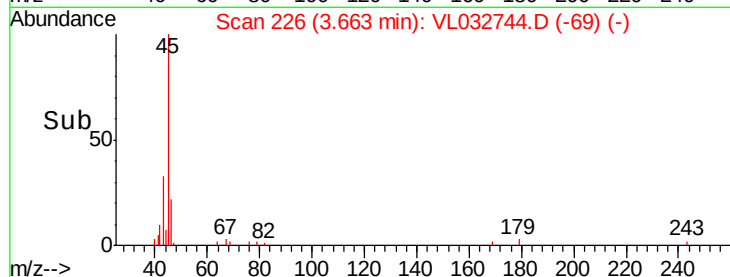
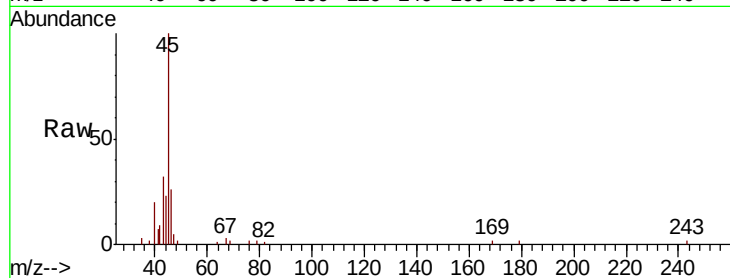
#13
Ethanol
Concen: 1.390 ppbv m
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
46	43.6	14.5	57.9

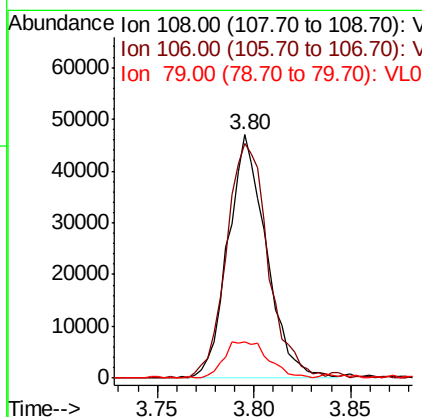
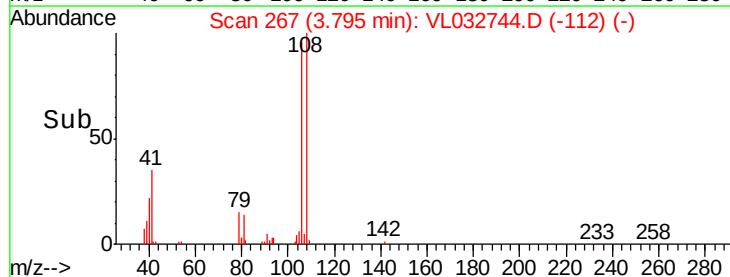
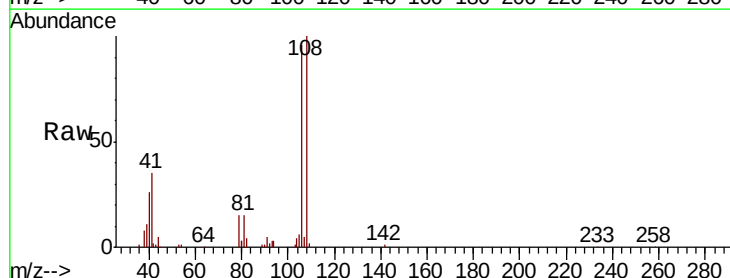
Manual Integrations
APPROVED

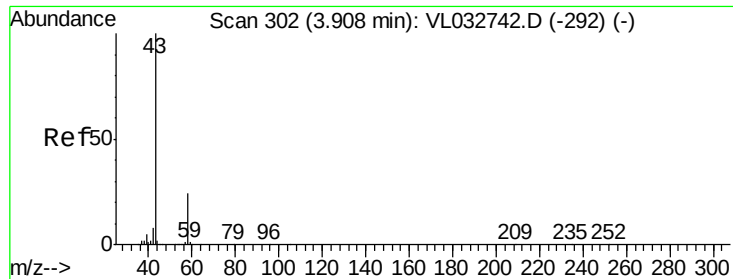
MMDadoda
11/16/2018 1:29:43 PM



#14
Bromoethene
Concen: 1.046 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.5	84.9	127.3
79	17.6	14.2	21.4





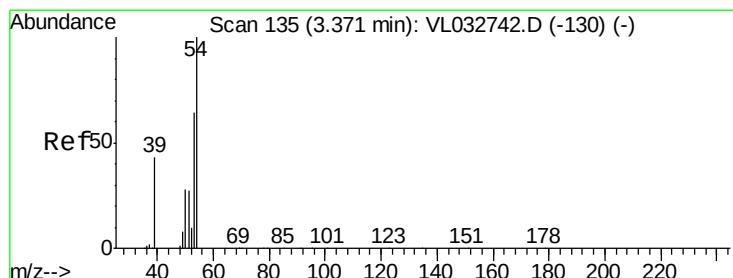
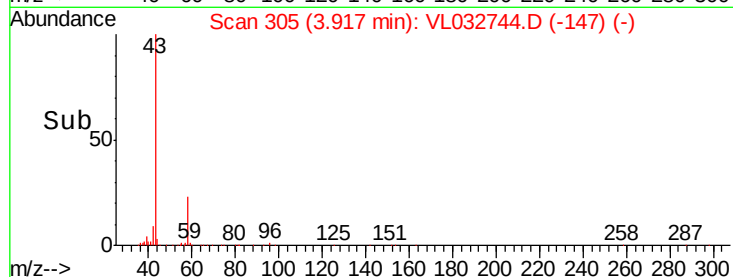
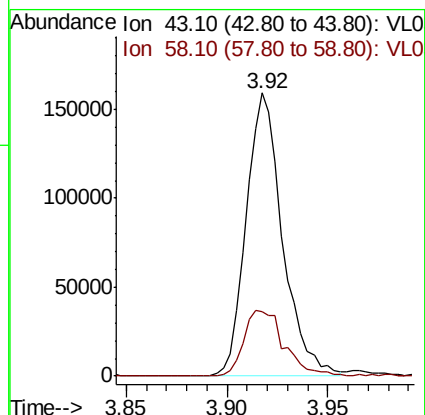
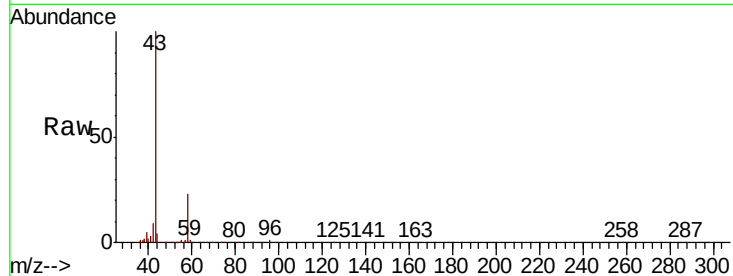
#15
Acetone
Concen: 1.317 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

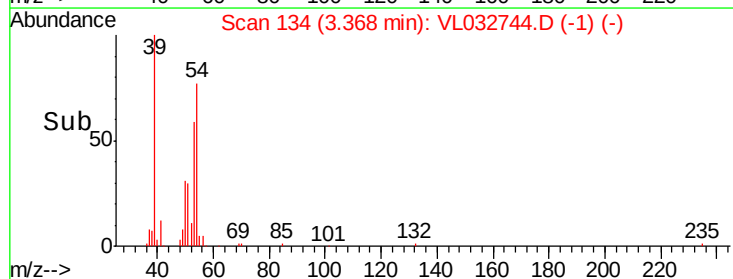
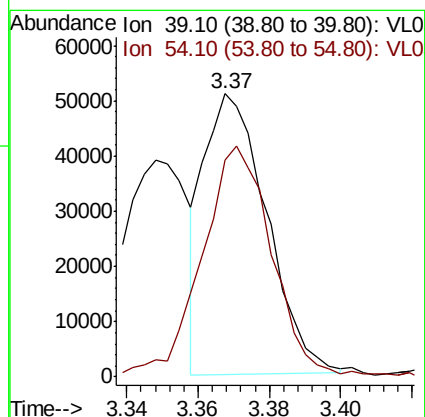
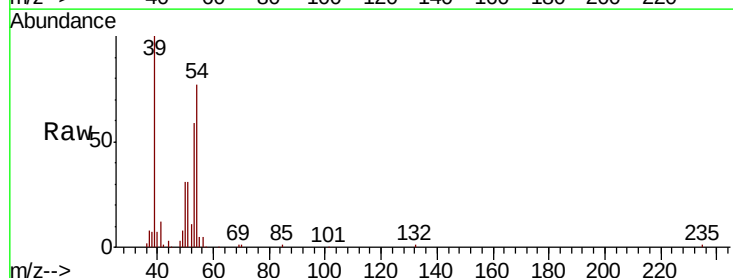
Manual Integrations
APPROVED

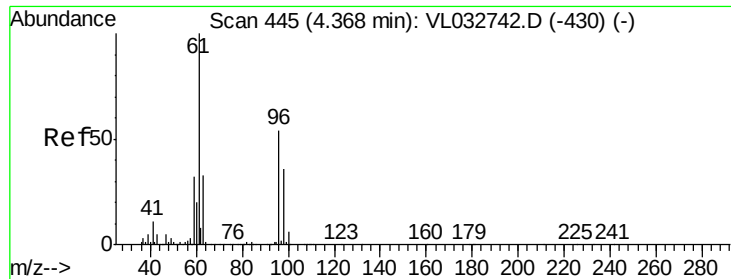
MMDadoda
11/16/2018 1:29:43 PM



#16
1,3-Butadiene
Concen: 1.066 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
39	100		
54	93.2	68.9	103.3





#17

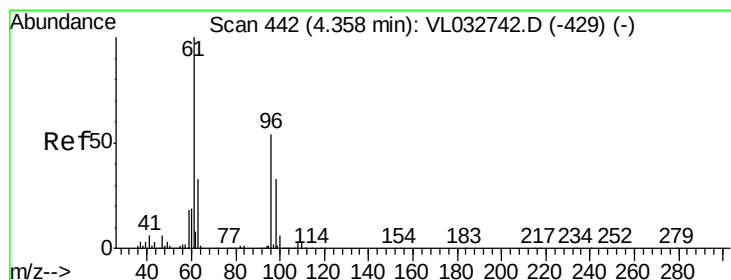
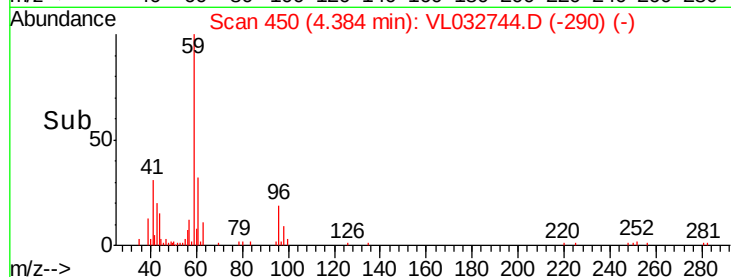
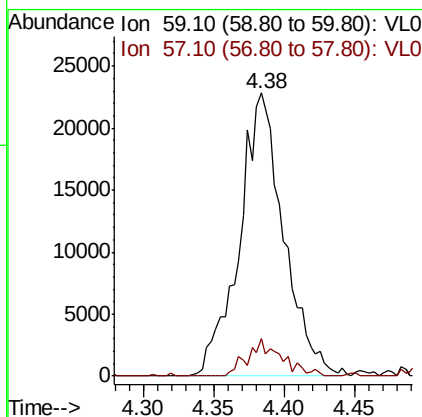
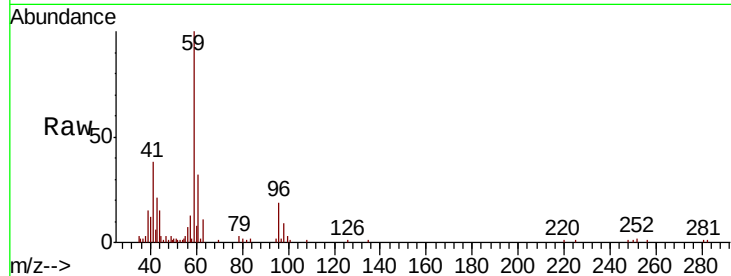
tert-Butyl alcohol
Concen: 1.162 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.02 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	59.10	Resp	50215
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

Manual Integrations
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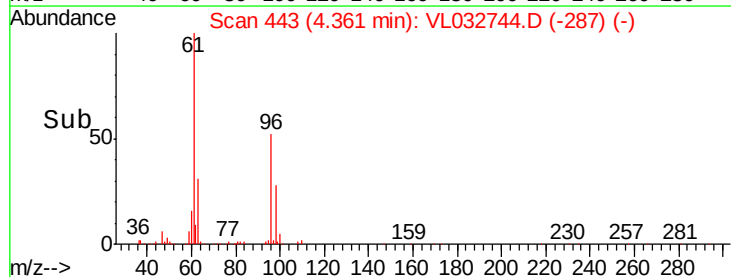
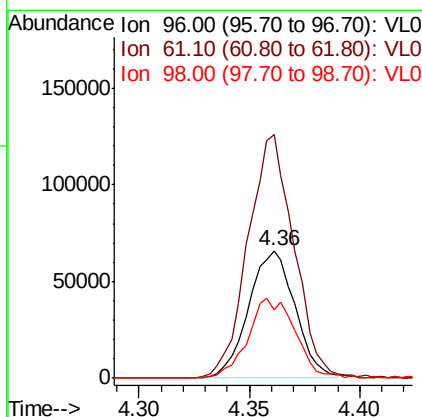
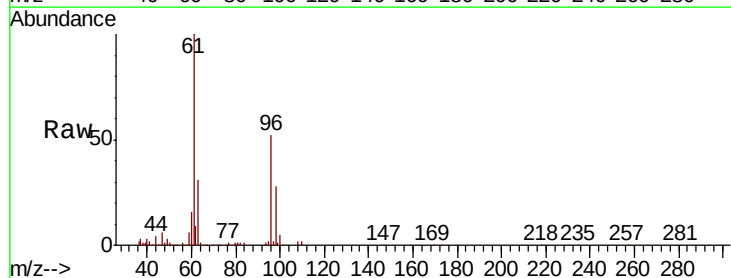
MMDadoda
11/16/2018 1:29:43 PM

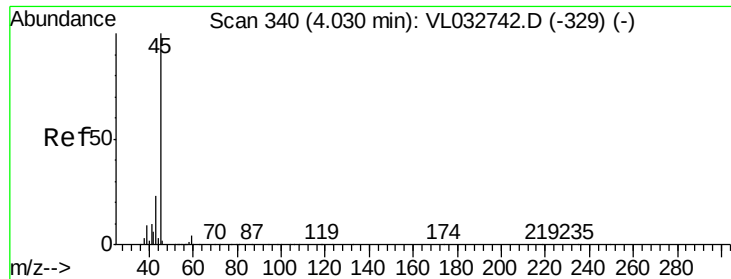


#18

1,1-Dichloroethene
Concen: 1.191 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	96	Resp	96659
Ion	Ratio	Lower	Upper
96	100		
61	190.9	148.5	222.7
98	53.6	48.6	72.8





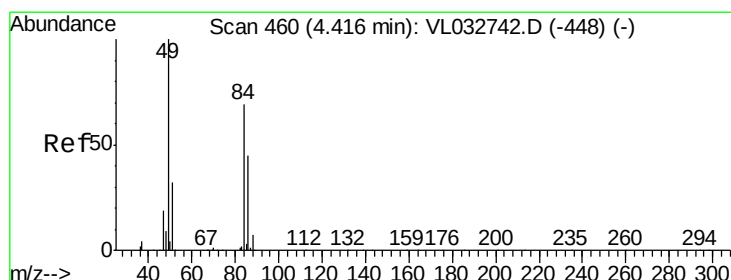
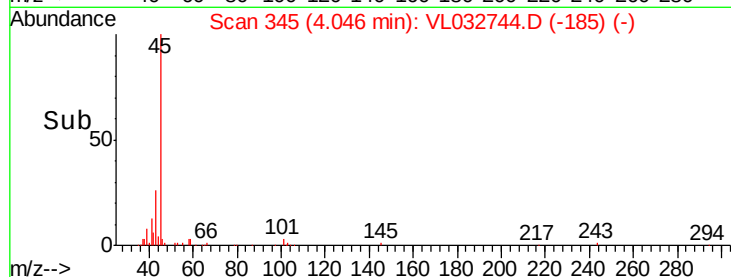
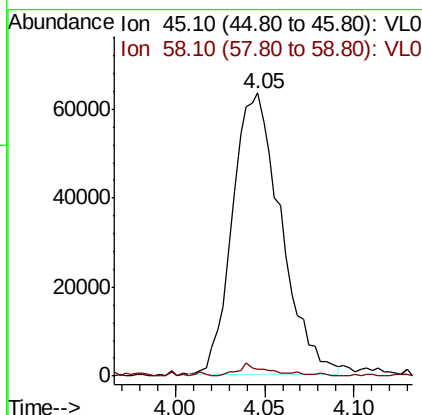
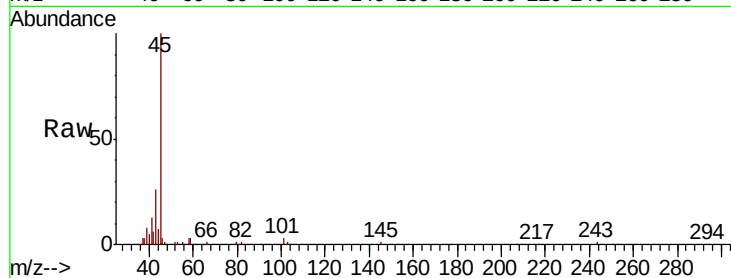
#19
Isopropyl Alcohol
Concen: 1.128 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.7	1.4	2.0#

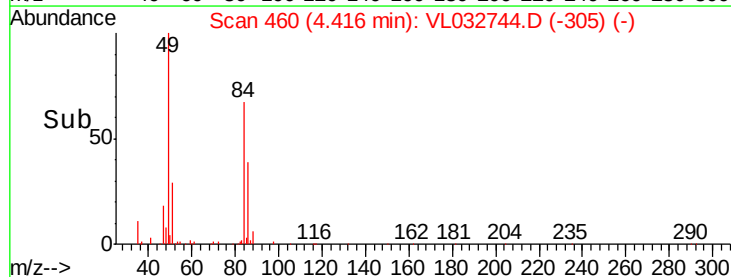
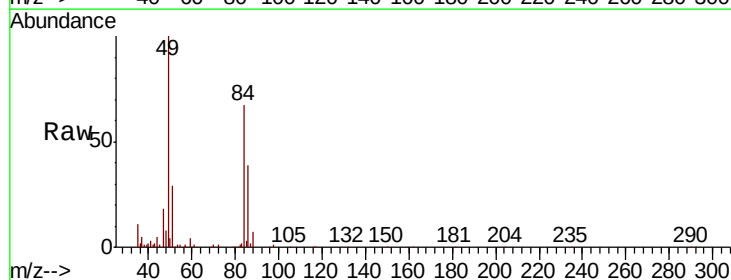
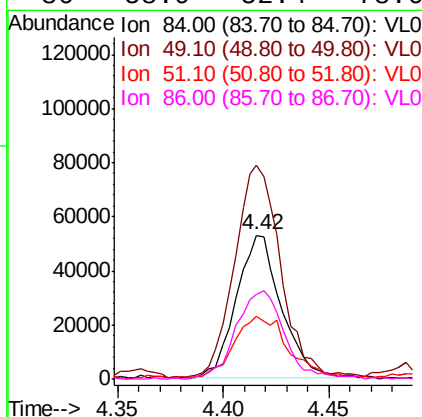
Manual Integrations
APPROVED

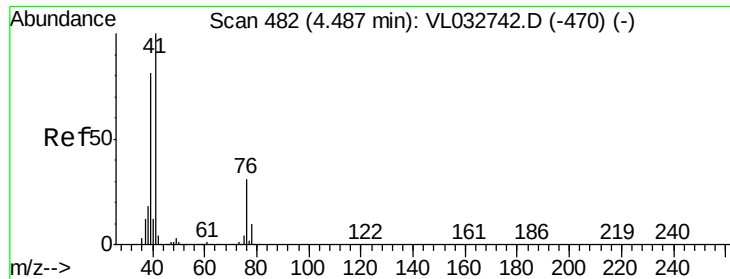
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11/16/2018 1:29:43 PM



#20
Methylene Chloride
Concen: 0.998 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.0	115.8	173.6
51	43.1	36.9	55.3
86	58.9	52.4	78.6





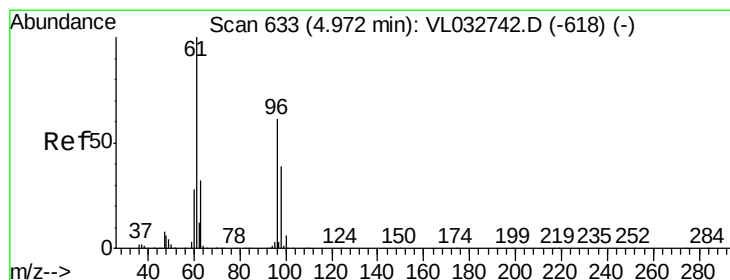
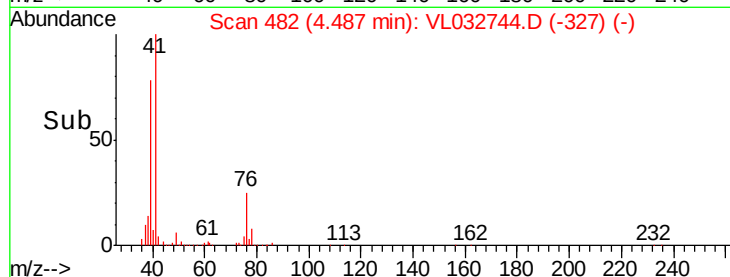
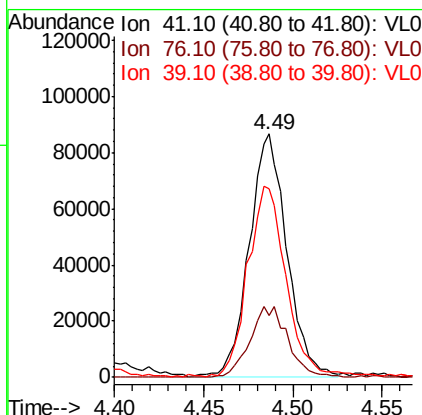
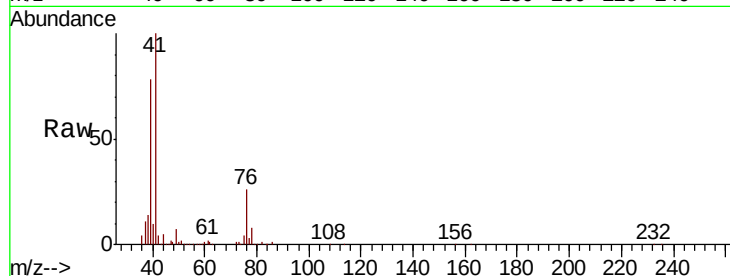
#21
Allvl Chloride
Concen: 1.042 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.4	36.6
39	82.2	63.5	95.3

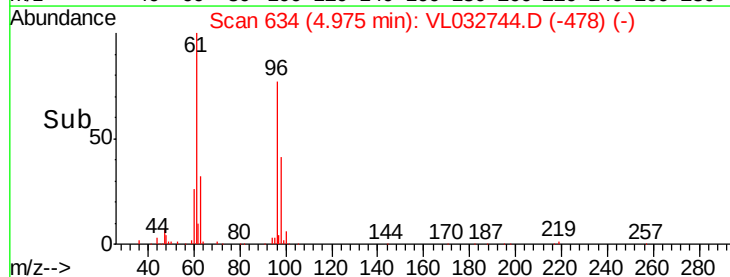
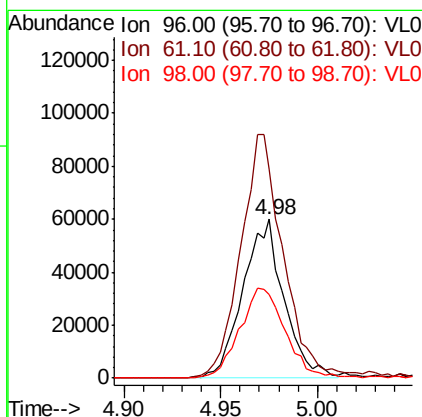
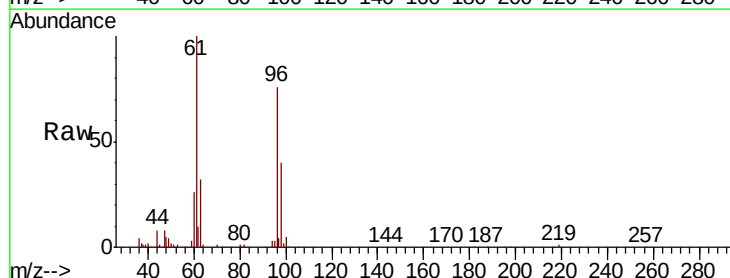
Manual Integrations
APPROVED

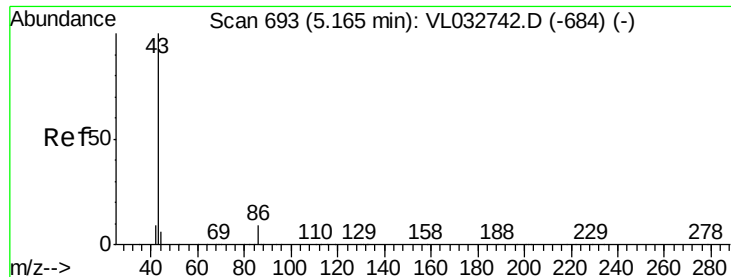
MMDadoda
11/16/2018 1:29:43 PM



#22
trans-1,2-Dichloroethene
Concen: 1.063 ppbv
RT: 4.98 min Scan# 634
Delta R.T. 0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.3	130.2	195.2
98	52.4	50.2	75.2





#23

Vinyl Acetate

Concen: 1.037 ppbv

RT: 5.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

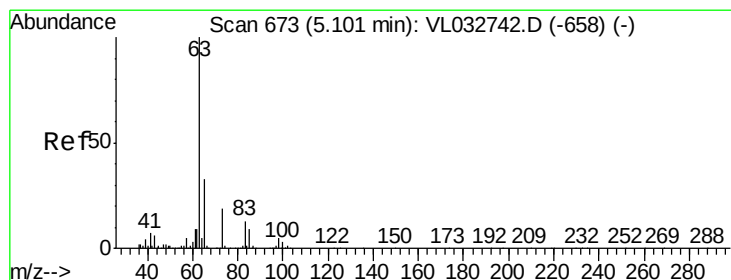
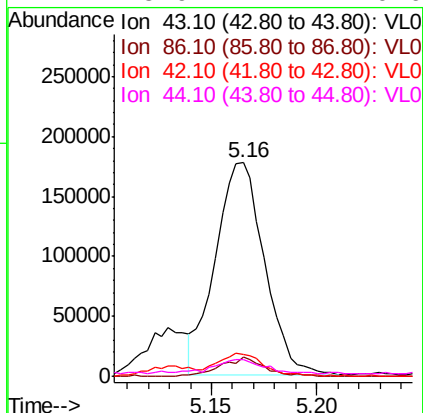
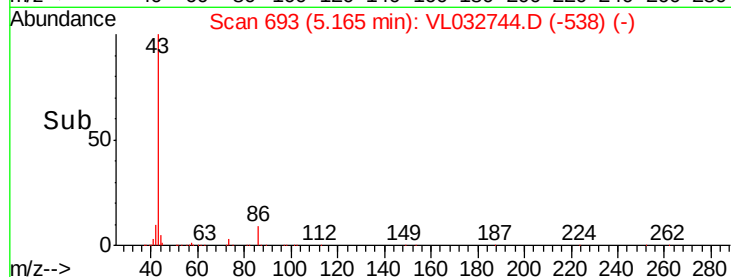
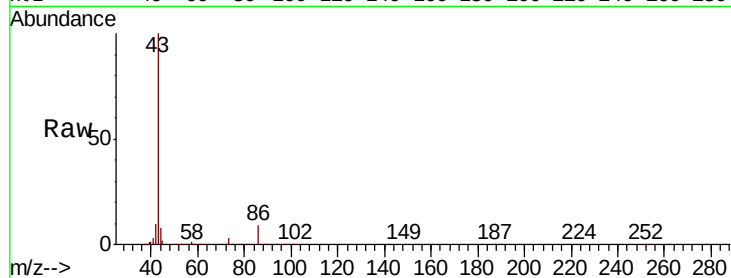
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.2	9.4
42	10.0	7.8	11.6
44	5.9	4.4	6.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 1.089 ppbv

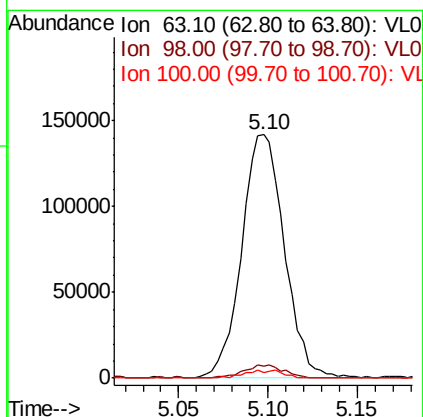
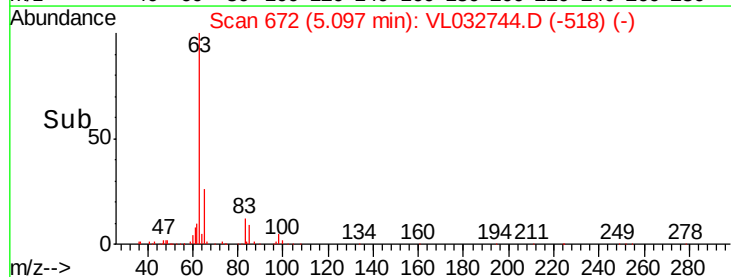
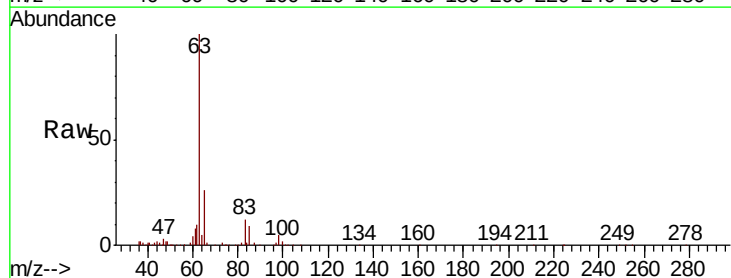
RT: 5.10 min Scan# 672

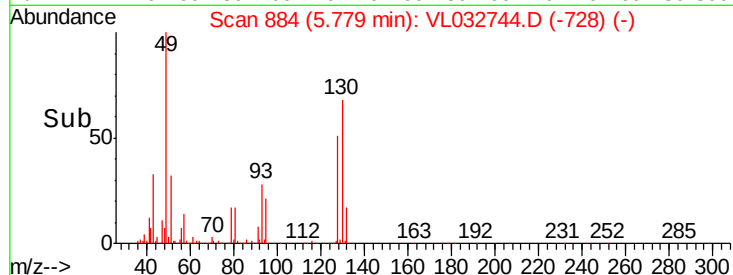
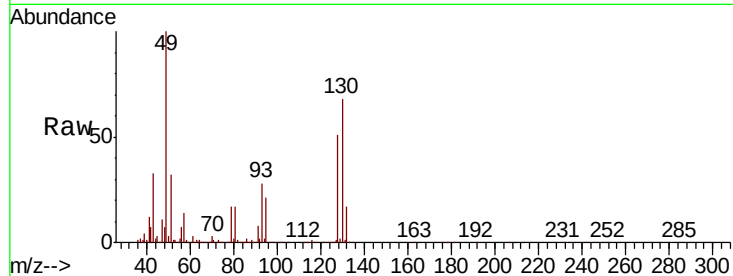
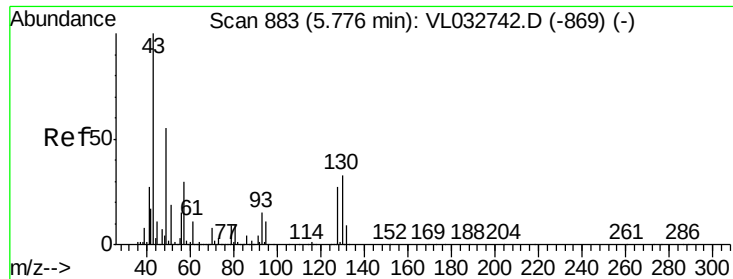
Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	2.4	1.4	4.2





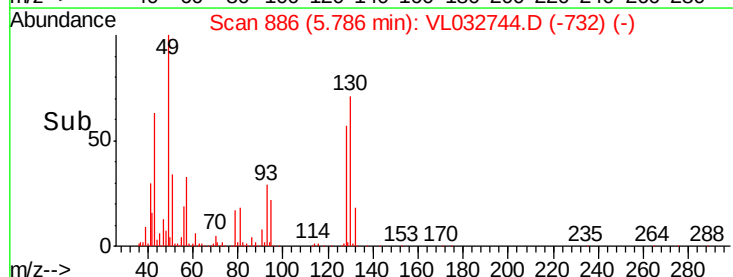
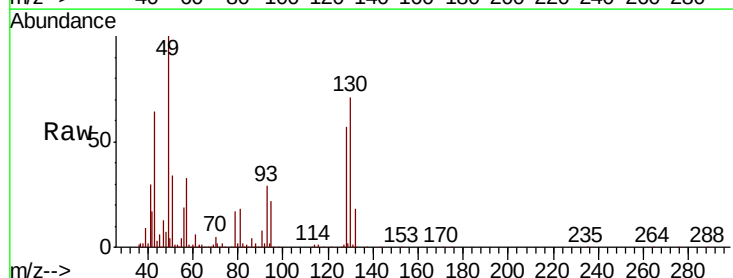
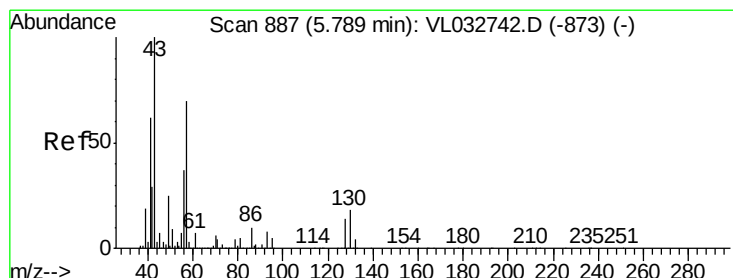
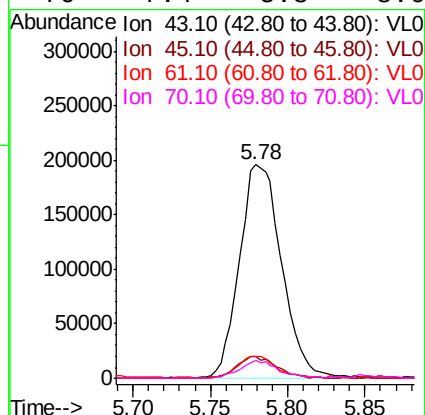
#25
Ethyl Acetate
Concen: 1.058 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.8	7.9	11.9		
61	9.7	7.8	11.6		
70	7.4	5.8	8.6		

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

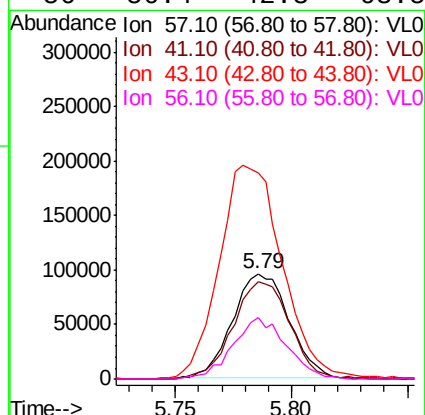
Manual Integrations
APPROVED

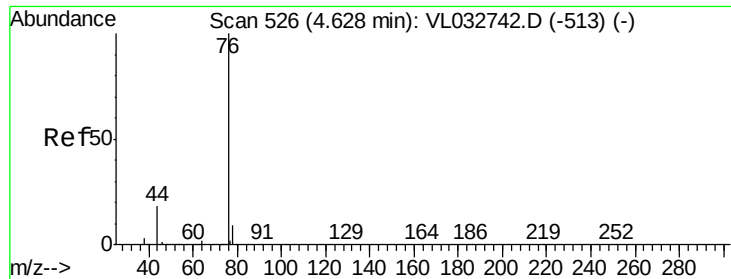
MMDadoda
11/16/2018 1:29:43 PM



#26
Hexane
Concen: 0.975 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	95.6	70.3	105.5		
43	235.3	174.0	261.0		
56	56.4	42.3	63.5		





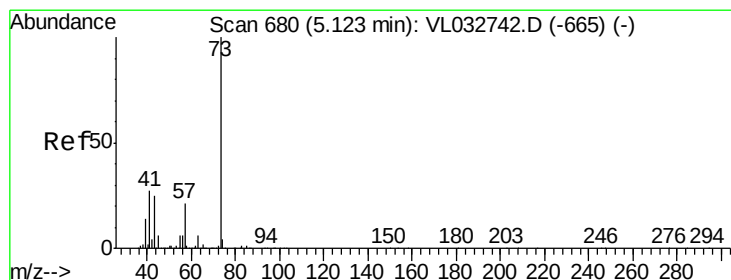
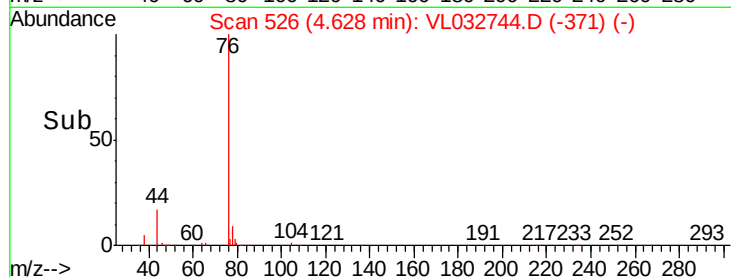
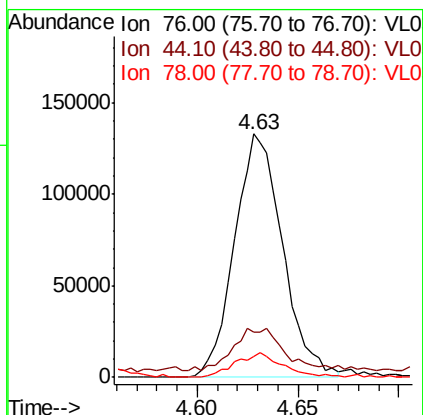
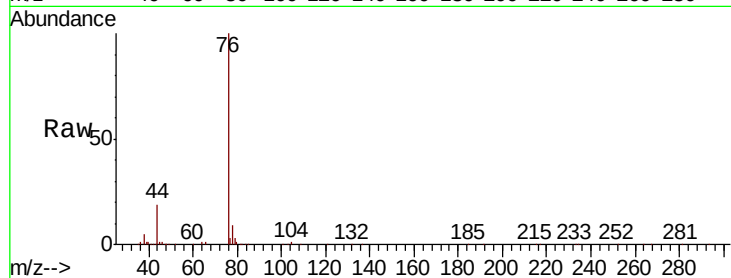
#27
Carbon Disulfide
Concen: 1.122 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.5	14.4	21.6
78	10.6	7.7	11.5

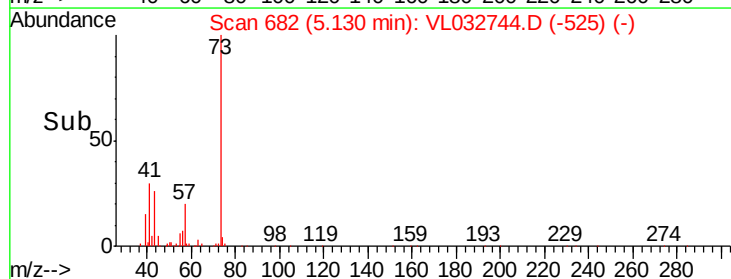
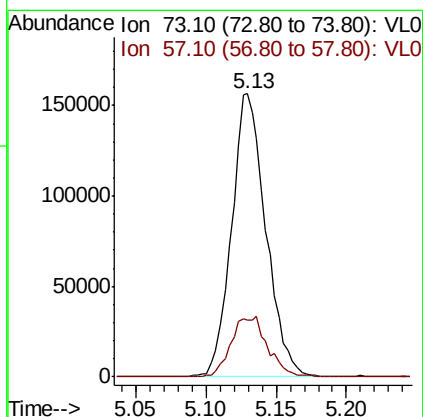
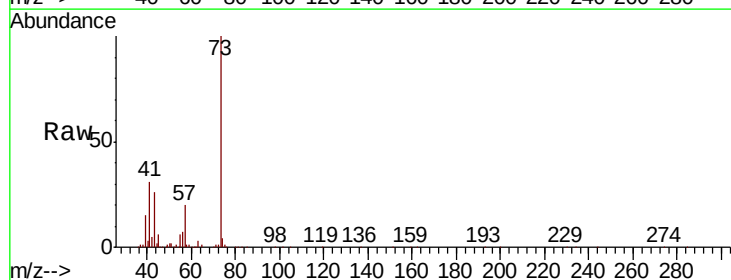
Manual Integrations
APPROVED

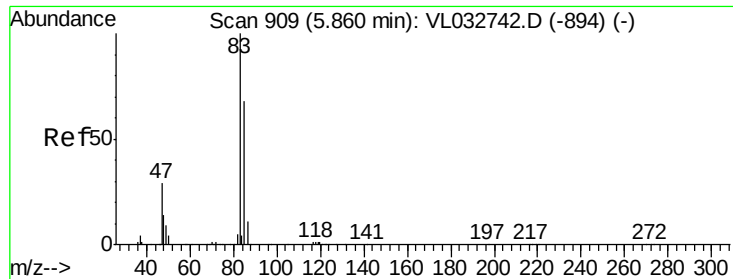
MMDadoda
11/16/2018 1:29:43 PM



#28
Methyl tert-Butyl Ether
Concen: 1.087 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.5	26.3





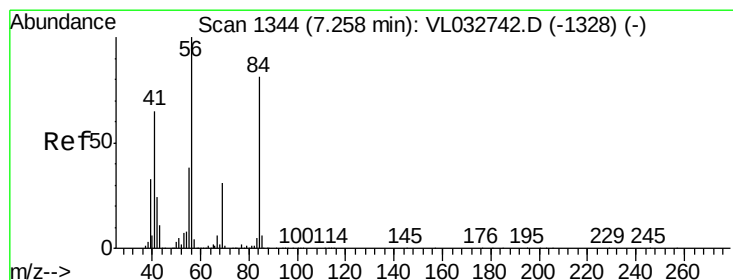
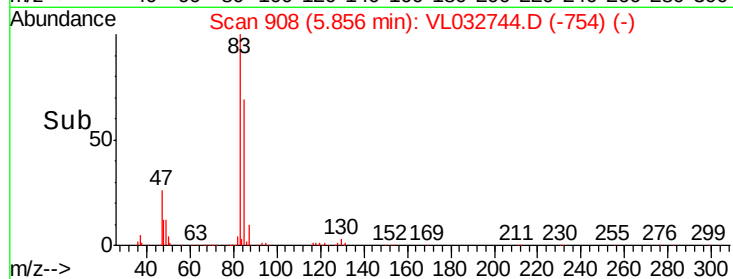
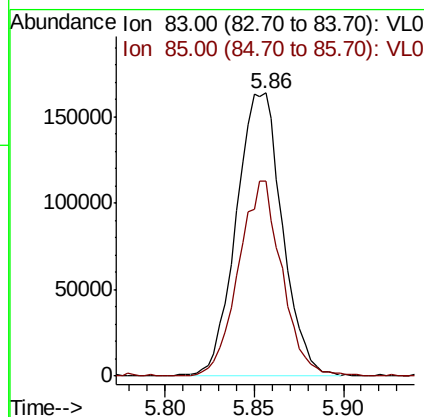
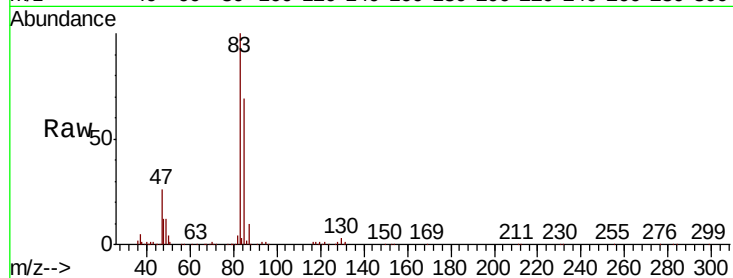
#29
Chloroform
Concen: 1.101 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	293490
Ion Ratio	100	Lower	Upper
83	100		
85	69.0	54.2	81.4

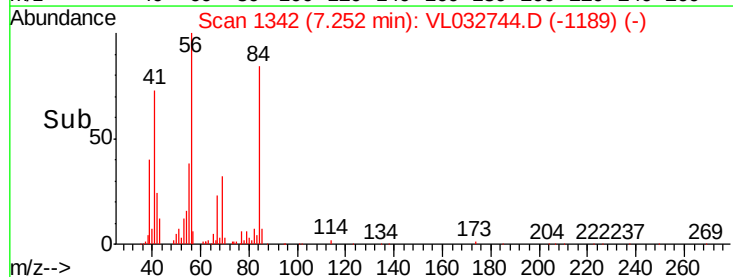
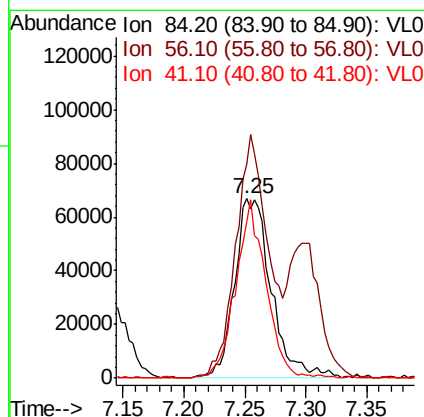
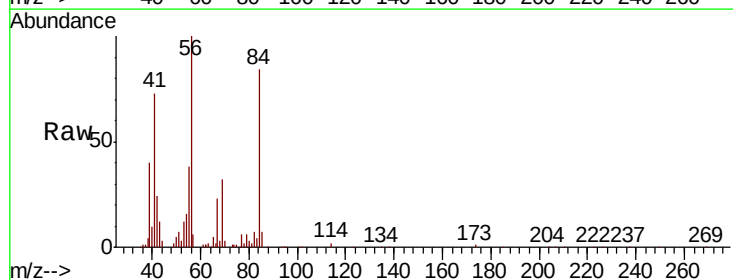
Manual Integrations
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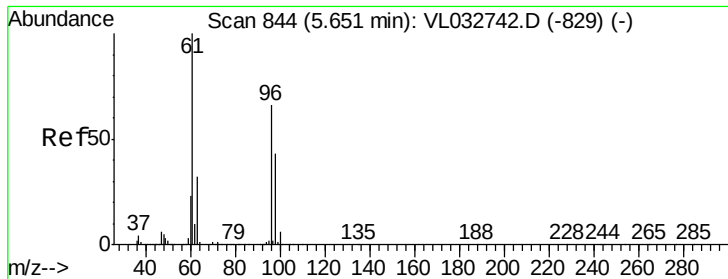
MMDadoda
11/16/2018 1:29:43 PM



#30
Cyclohexane
Concen: 1.061 ppbv m
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	84	Resp	140274
Ion Ratio	100	Lower	Upper
84	100		
56	124.5	105.0	157.4
41	82.6	65.3	97.9





#31

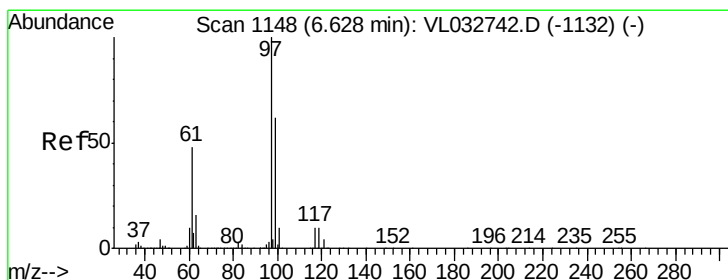
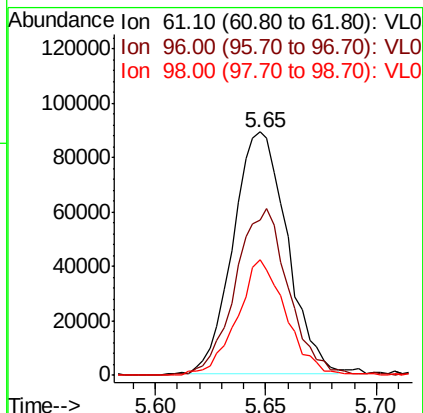
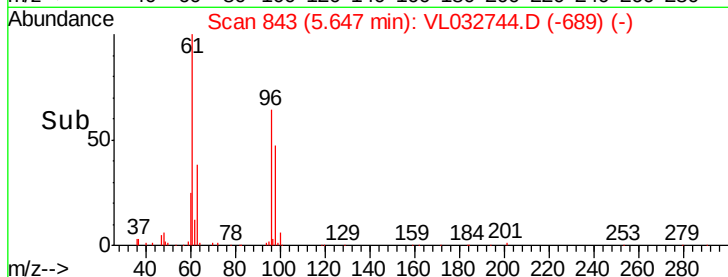
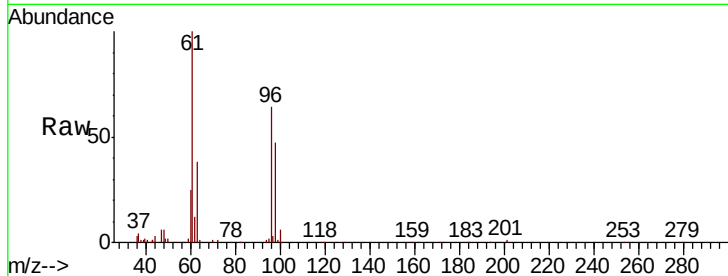
cis-1,2-Dichloroethene
Concen: 0.980 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	61	Resp:	150833
Ion Ratio	Lower	Upper	
61	100		
96	63.8	53.2	79.8
98	46.2	34.4	51.6

Manual Integrations
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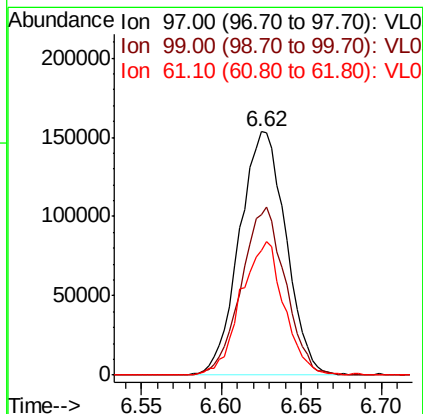
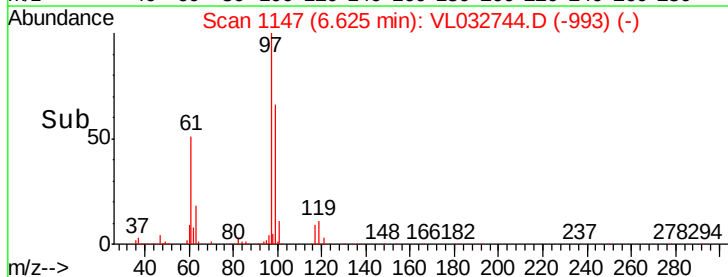
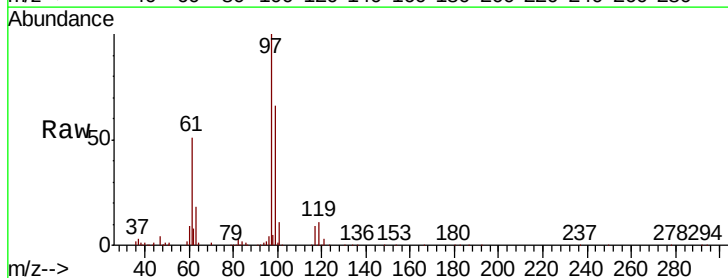
MMDadoda
11/16/2018 1:29:43 PM

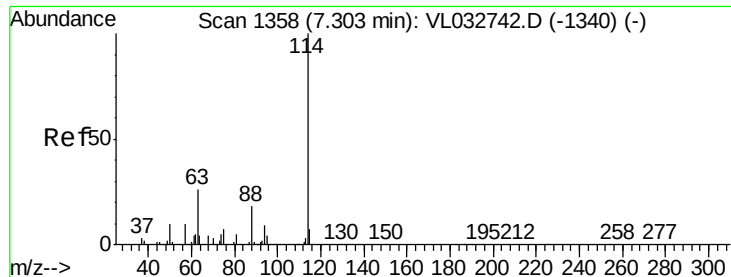


#32

1,1,1-Trichloroethane
Concen: 1.116 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion:	97	Resp:	304986
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.8	77.6
61	51.4	39.7	59.5





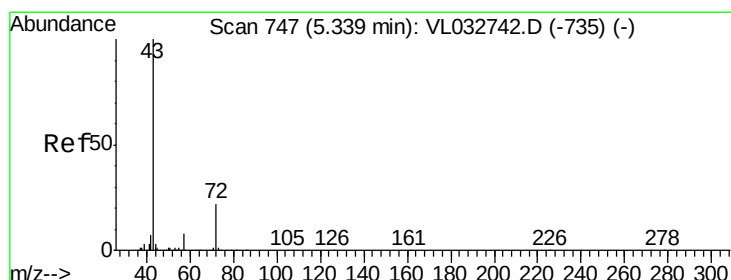
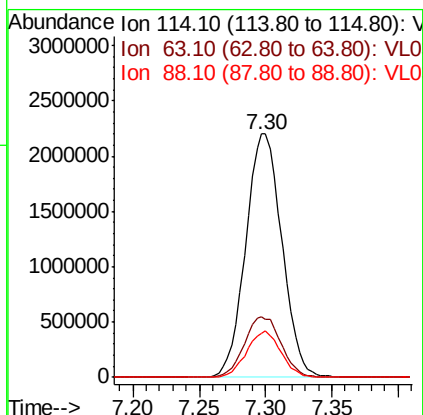
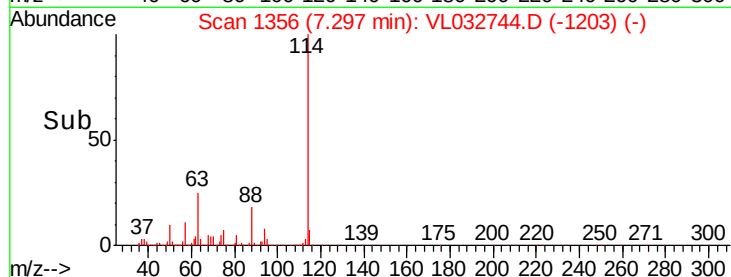
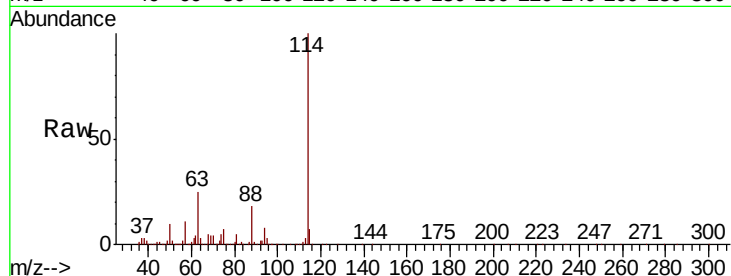
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	18.0	14.4	21.6

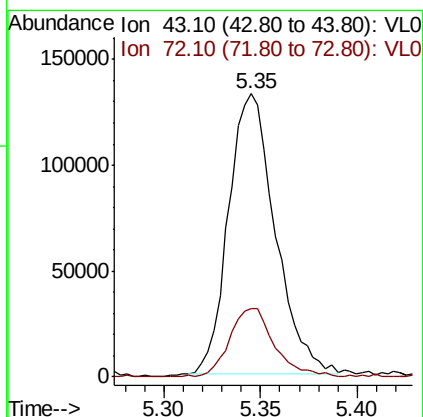
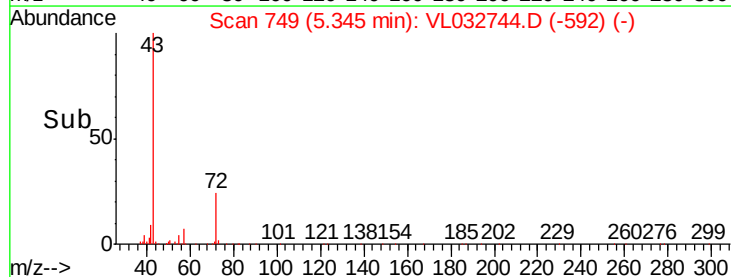
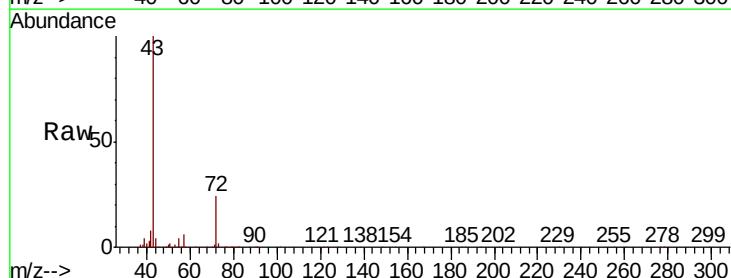
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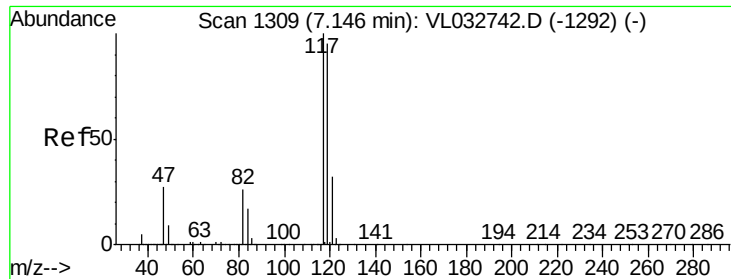
MMDadoda
 11/16/2018 1:29:43 PM



#34
 2-Butanone
 Concen: 0.989 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6





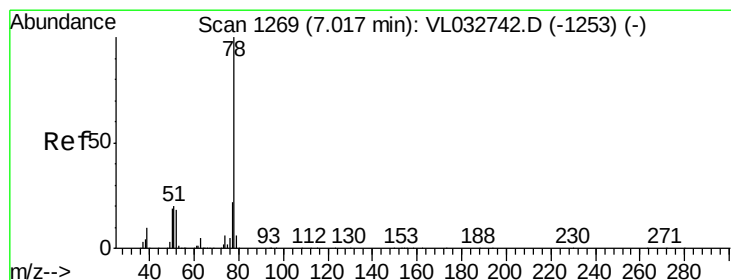
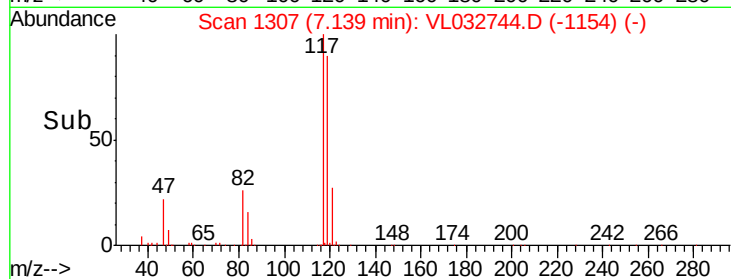
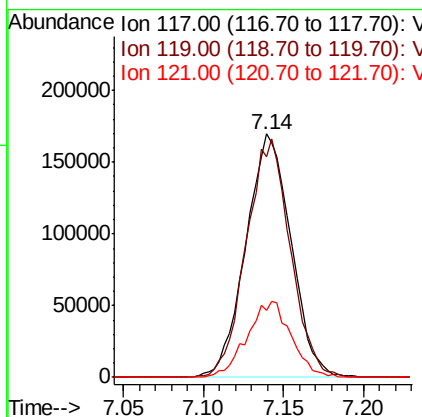
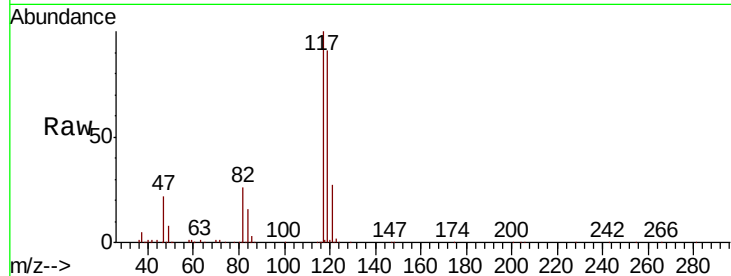
#35
Carbon Tetrachloride
Concen: 1.097 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.1	114.1
121	27.3	25.4	38.0

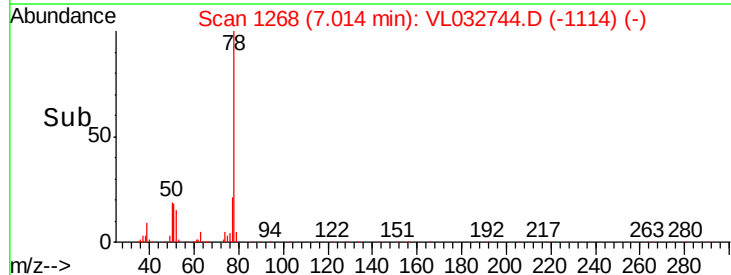
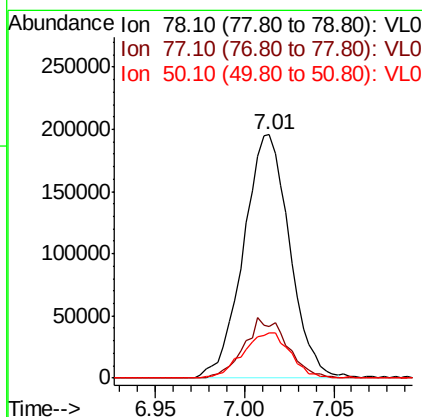
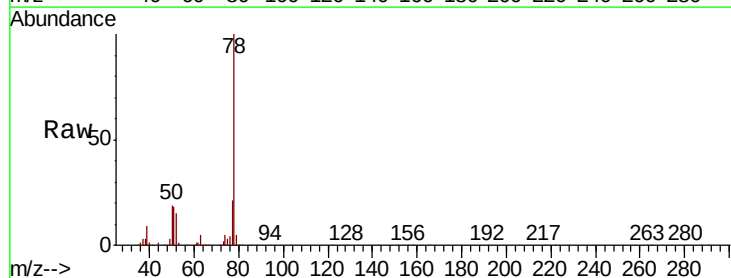
Manual Integrations
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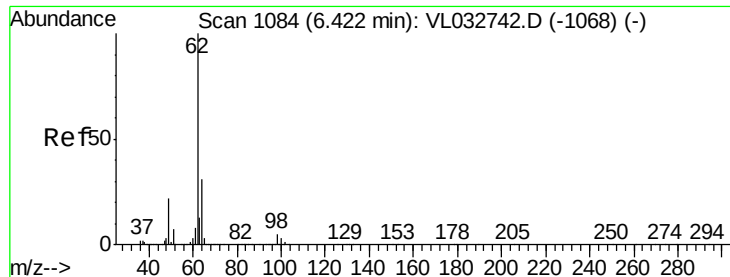
MMDadoda
11/16/2018 1:29:43 PM



#36
Benzene
Concen: 1.043 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	17.8	26.8
50	18.8	15.4	23.0





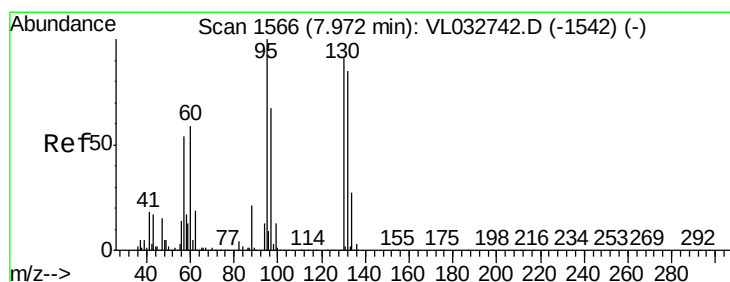
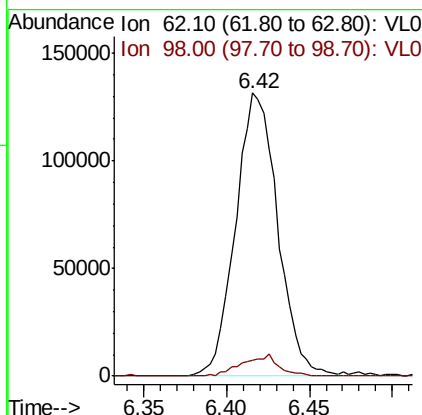
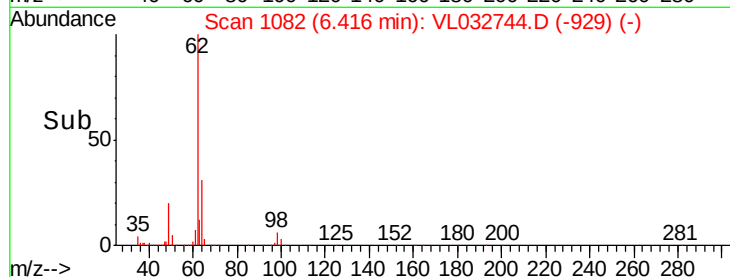
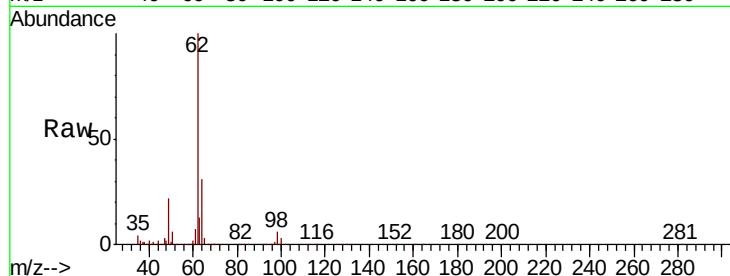
#37
 1,2-Dichloroethane
 Concen: 1.108 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.0	4.5	6.7#

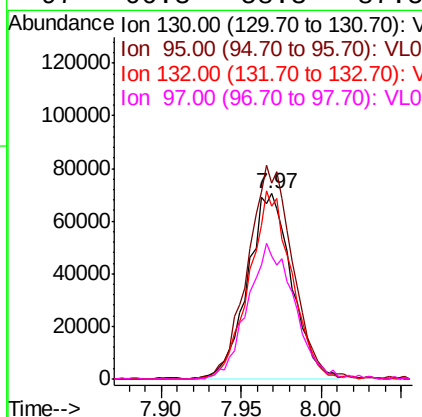
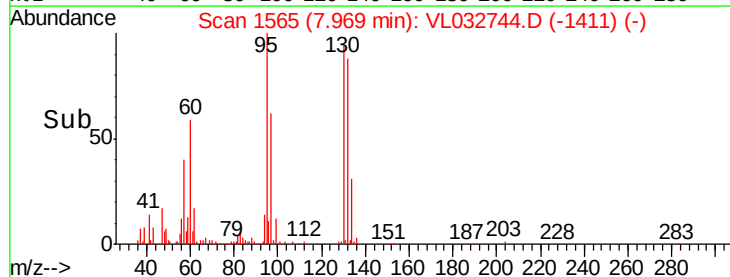
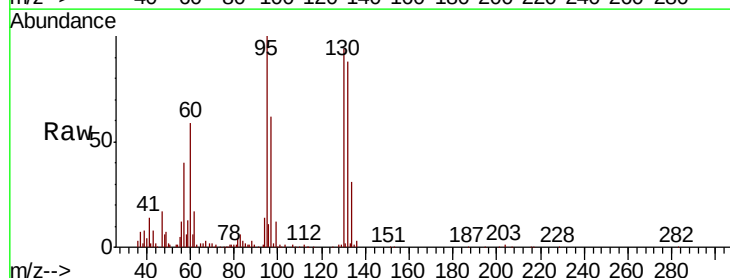
Manual Integrations
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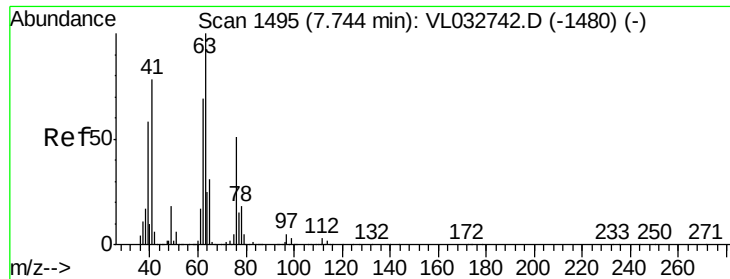
MMDadoda
 11/16/2018 1:29:43 PM



#38
 Trichloroethene
 Concen: 1.058 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	87.7	131.5
132	93.2	74.6	111.8
97	66.3	58.3	87.5





#39

1,2-Dichloropropane

Concen: 1.003 ppbv m

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

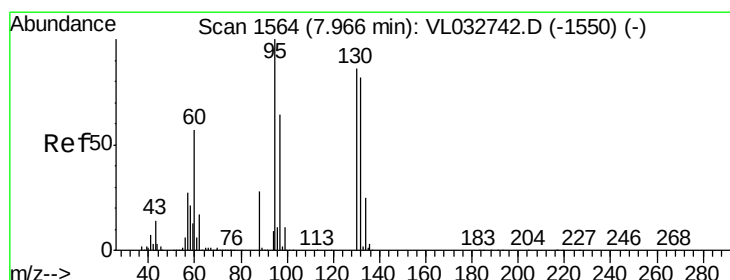
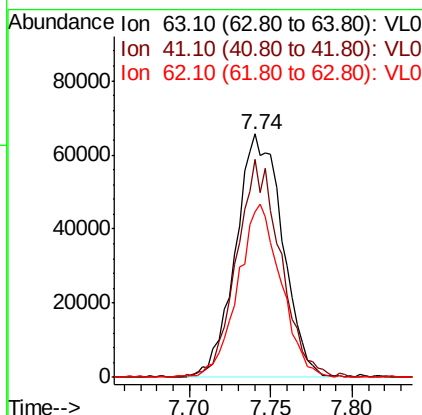
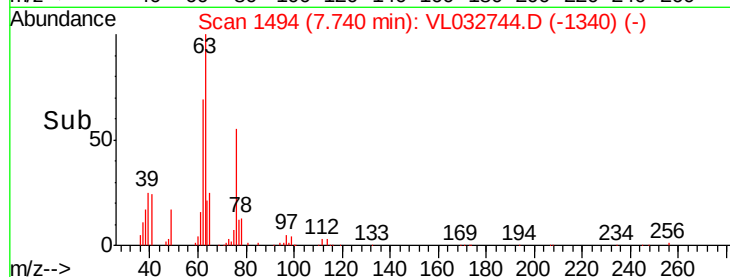
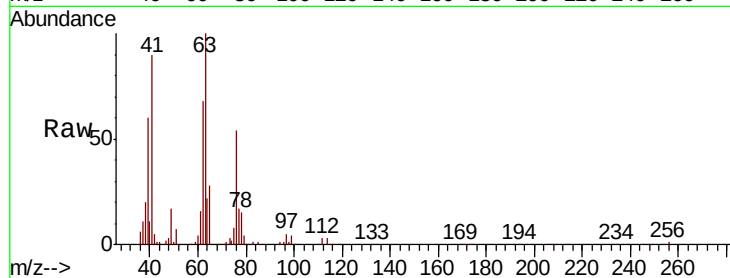
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	130595
Ion Ratio	Lower	Upper	
63	100		
41	89.8	62.0	93.0
62	68.2	55.4	83.2

Manual Integrations
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MMDadoda
11/16/2018 1:29:43 PM



#40

1,4-Dioxane

Concen: 0.996 ppbv m

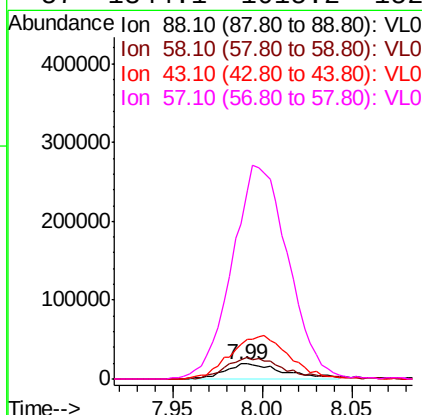
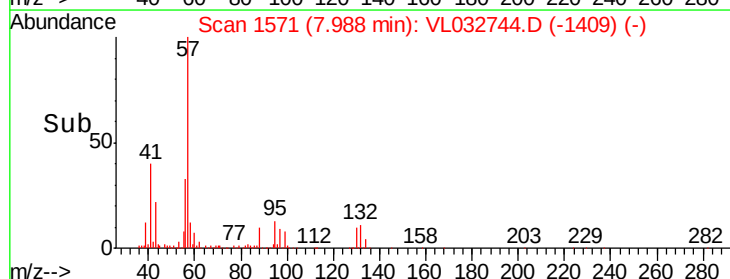
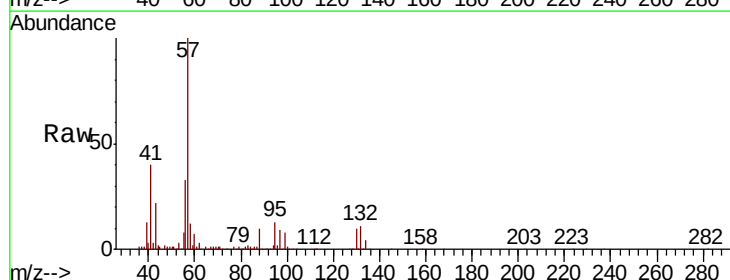
RT: 7.99 min Scan# 1571

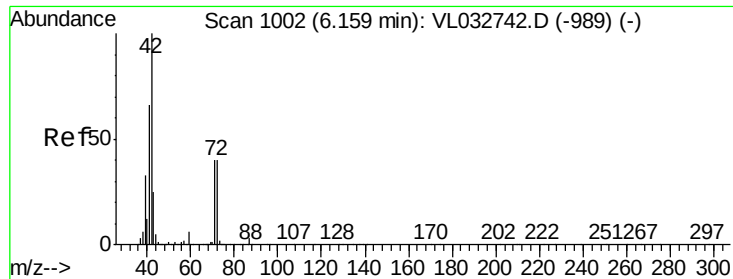
Delta R.T. 0.02 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion:	88	Resp:	44091
Ion Ratio	Lower	Upper	
88	100		
58	145.7	105.3	157.9
43	0.0	226.1	339.1#
57	1344.1	1015.2	1522.8





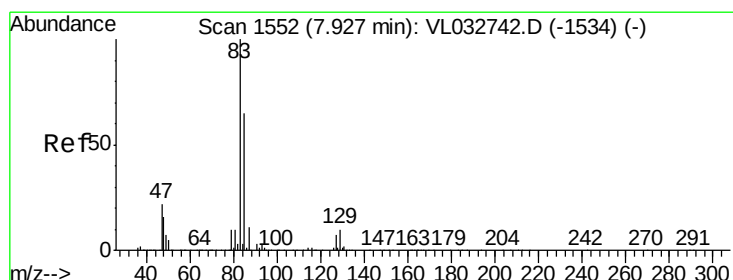
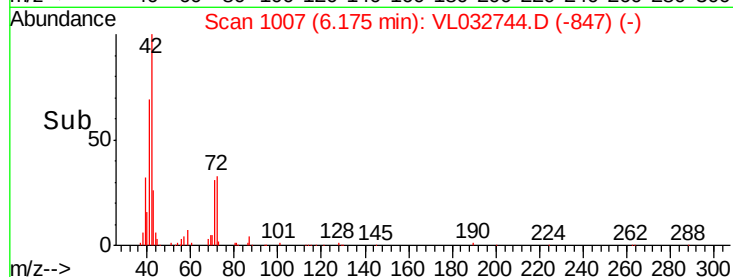
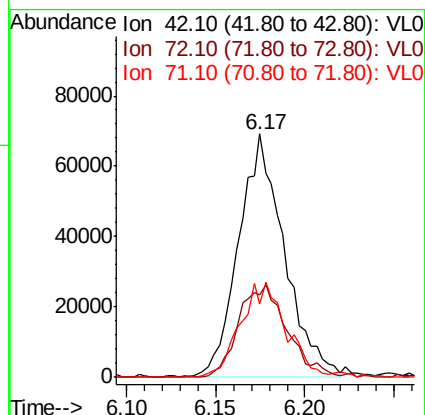
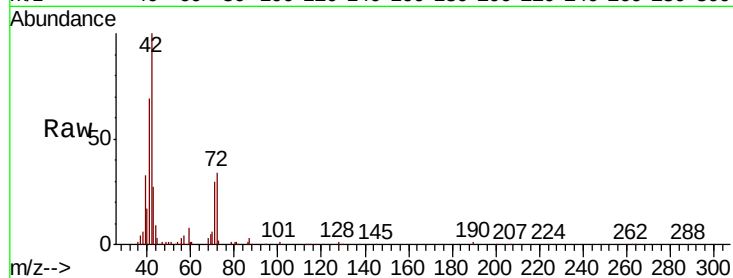
#41
Tetrahydrofuran
Concen: 0.997 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.4	48.6
71	40.0	31.6	47.4

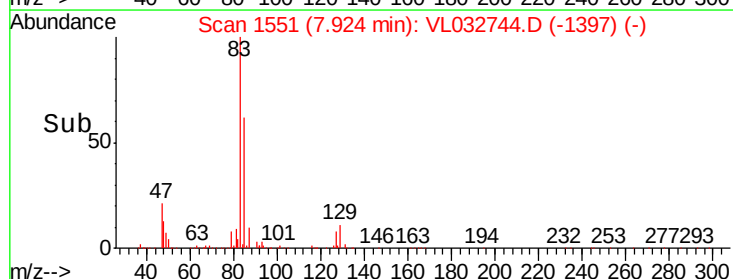
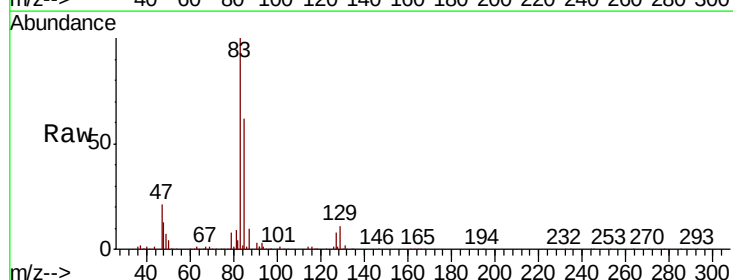
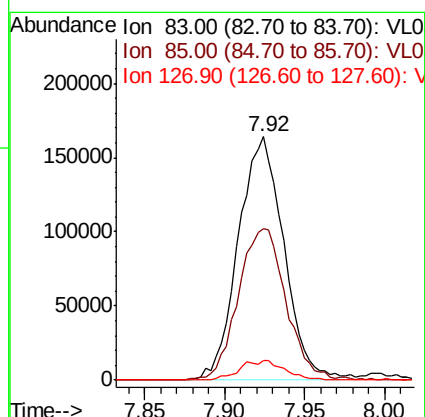
Manual Integrations
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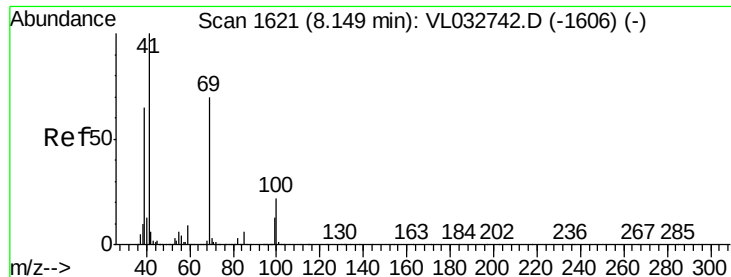
MMDadoda
11/16/2018 1:29:43 PM



#42
Bromodichloromethane
Concen: 1.080 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.8
127	7.8	5.9	8.9





#43

Methyl Methacrylate

Concen: 0.949 ppbv

RT: 8.15 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VL032744.D

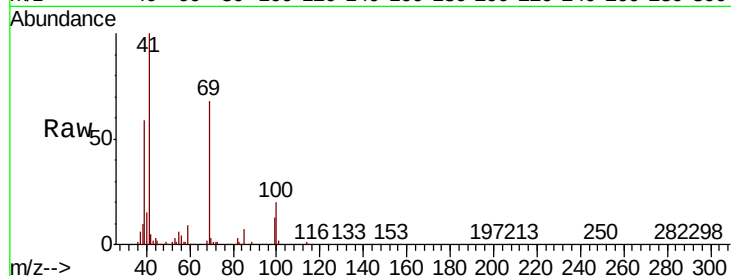
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.9	115.0	172.4
100	33.2	25.4	38.0

Manual Integrations
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MMDadoda
11/16/2018 1:29:43 PM

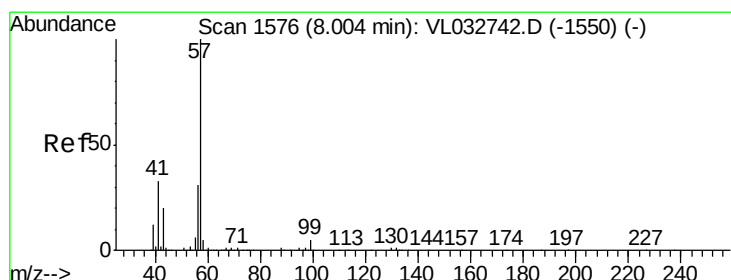
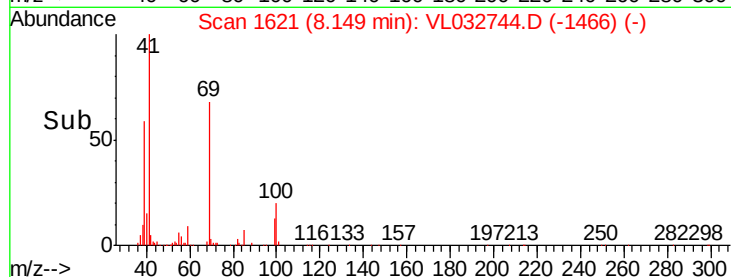
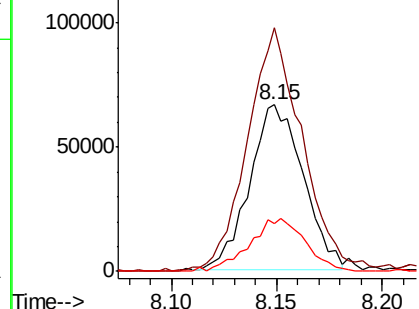


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.020 ppbv

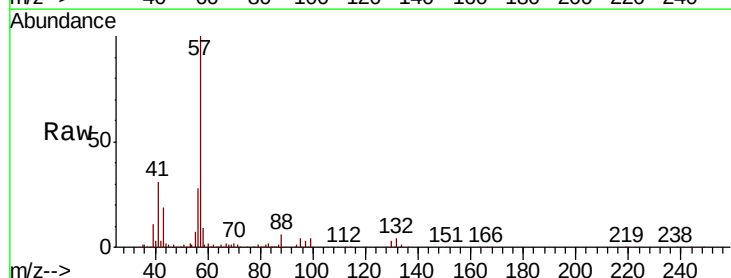
RT: 7.99 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.7	26.6	39.8
56	31.4	24.8	37.2

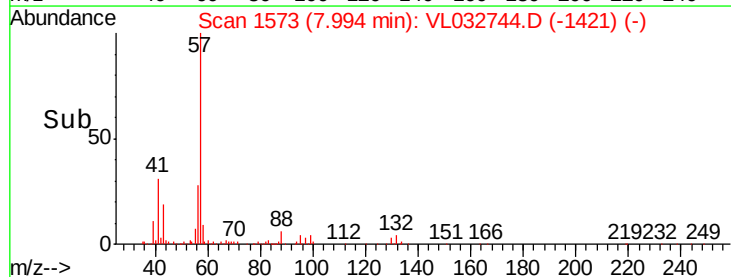
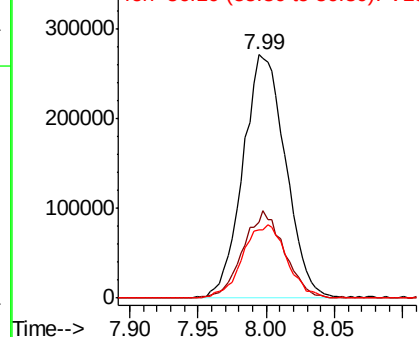


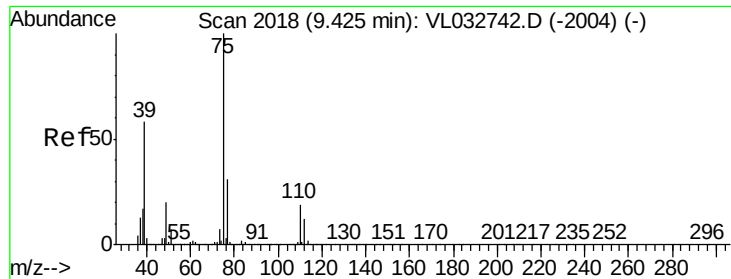
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.861 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

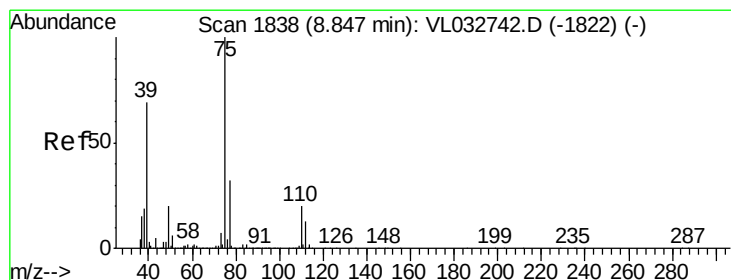
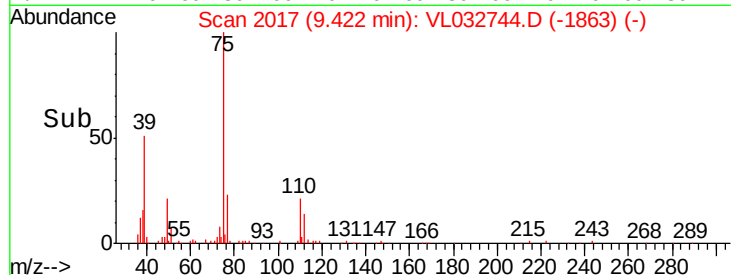
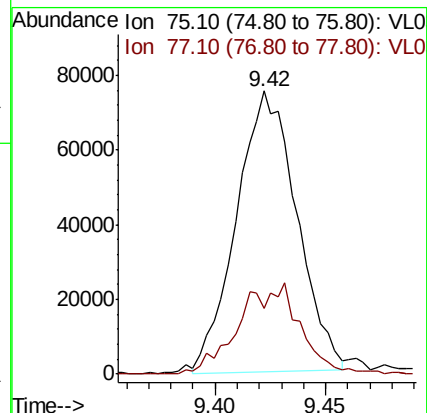
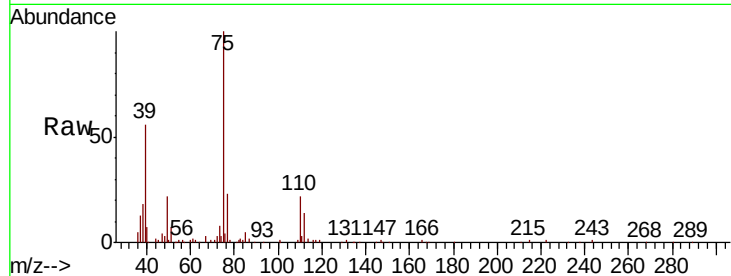
Tot Ion: 75 Resp: 142857
Ion Ratio Lower Upper

75 100

77 23.4 24.6 36.8#

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#46

cis-1,3-Dichloropropene

Concen: 0.960 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.00 min

Lab File: VL032744.D

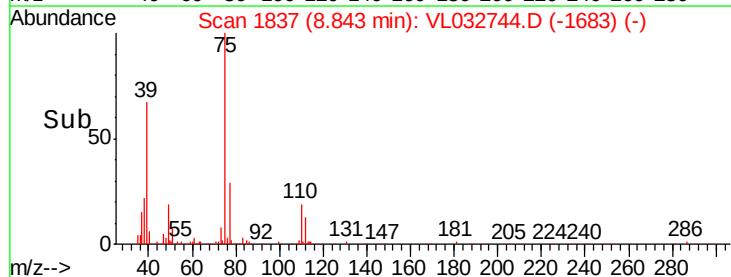
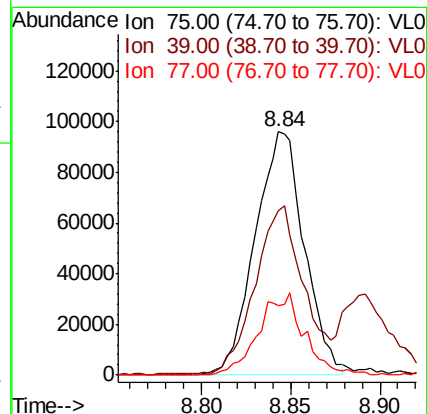
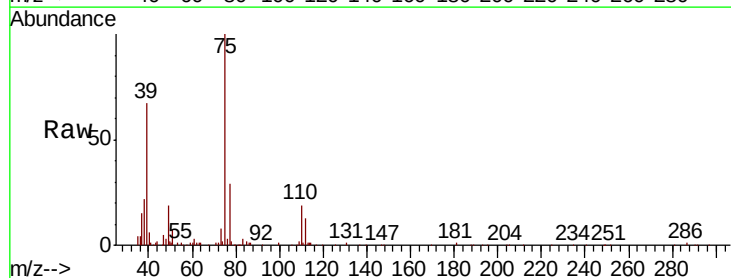
Acq: 14 Nov 2018 3:45

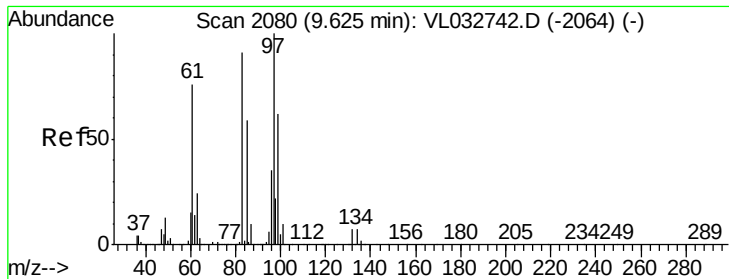
Tgt Ion: 75 Resp: 185021
Ion Ratio Lower Upper

75 100

39 66.8 55.2 82.8

77 28.8 25.8 38.6





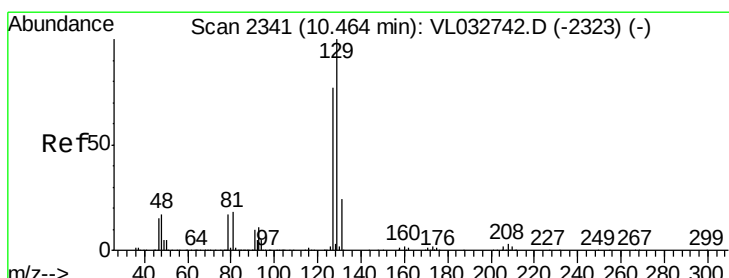
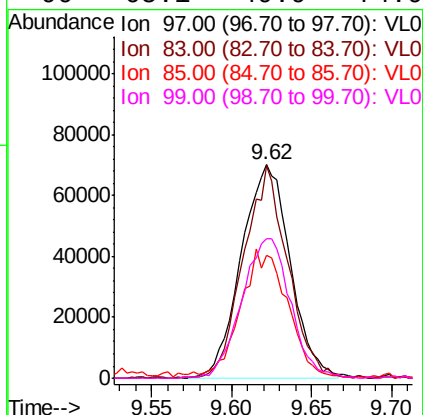
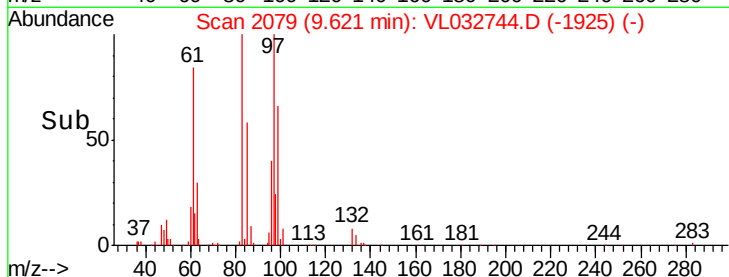
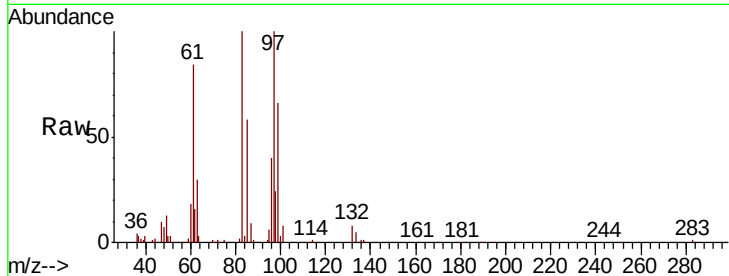
#47
 1,1,2-Trichloroethane
 Concen: 0.955 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	98.9	73.0	109.4	
85	56.6	47.0	70.4	
99	65.1	49.9	74.9	

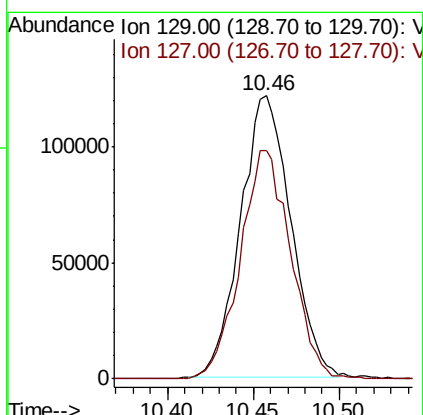
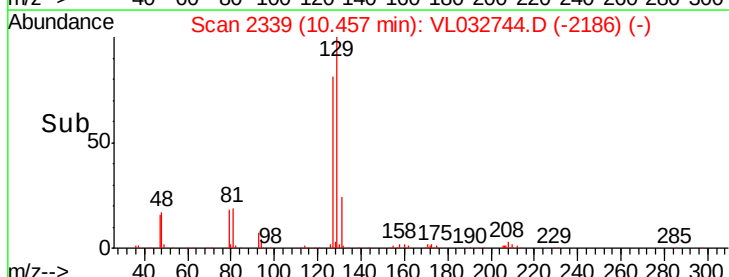
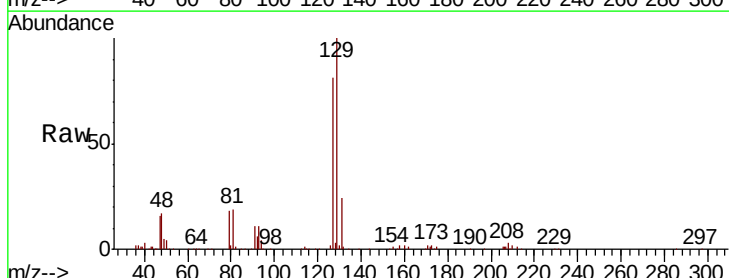
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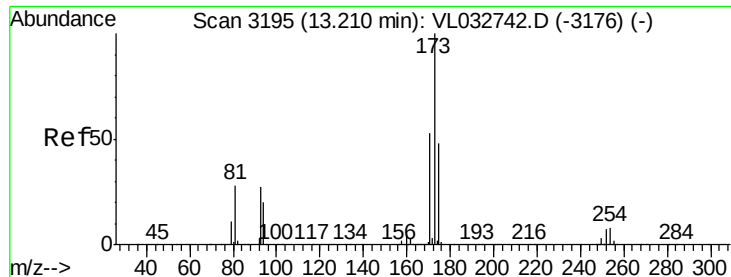
MMDadoda
 11/16/2018 1:29:43 PM



#48
 Dibromochloromethane
 Concen: 0.954 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.1	39.0	117.0	





#49

Bromoform

Concen: 1.004 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

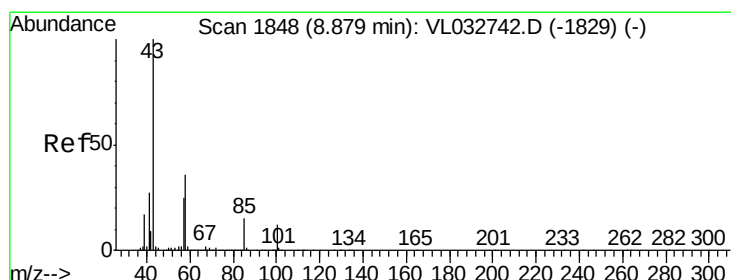
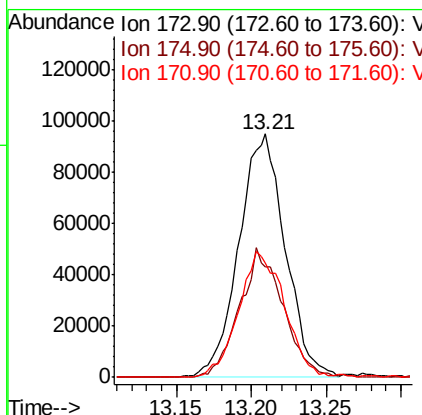
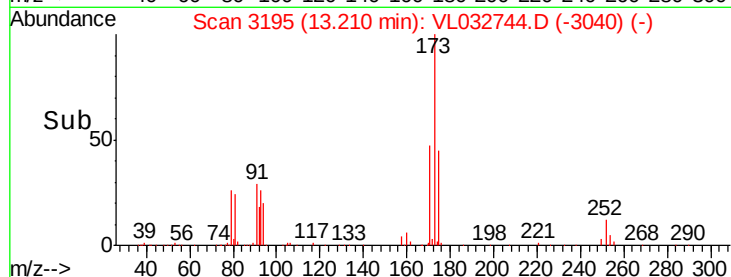
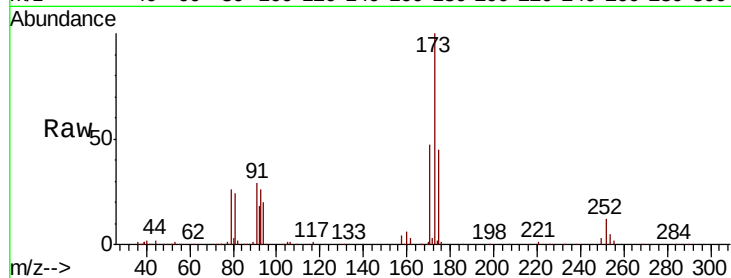
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	204318
Ion Ratio	Lower	Upper	
173	100		
175	50.2	39.4	59.0
171	52.3	42.0	63.0

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 1.030 ppbv

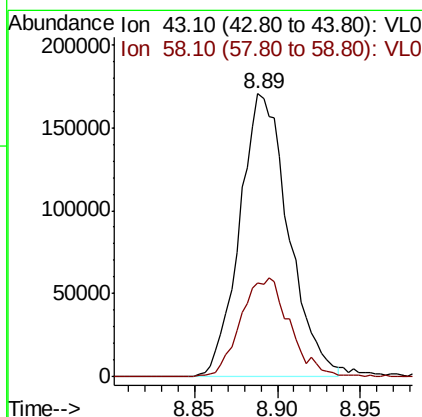
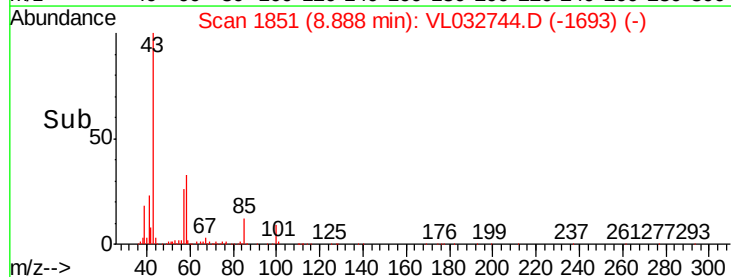
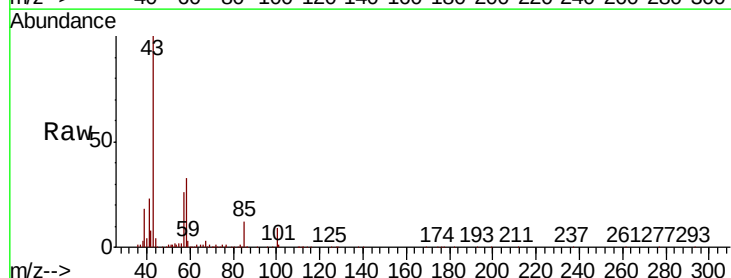
RT: 8.89 min Scan# 1851

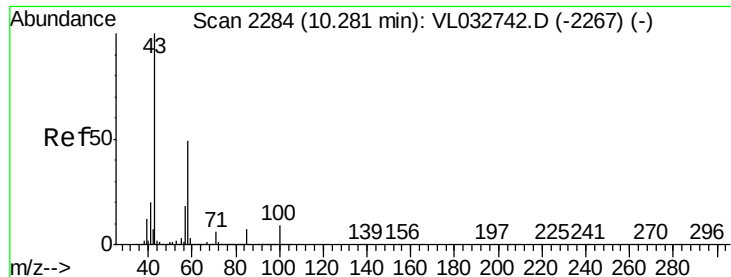
Delta R.T. 0.01 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion:	43	Resp:	345232
Ion Ratio	Lower	Upper	
43	100		
58	35.7	28.8	43.2





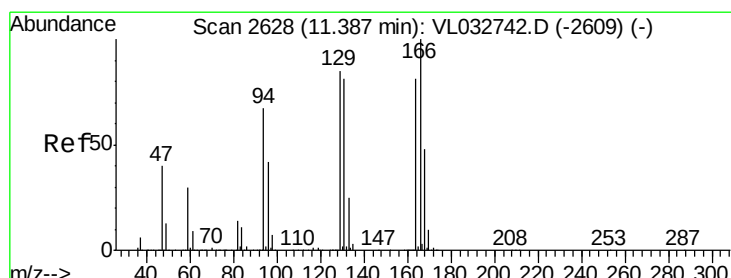
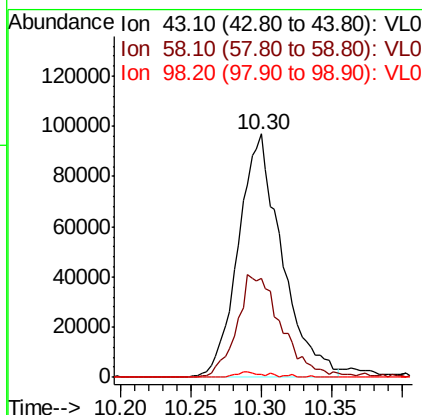
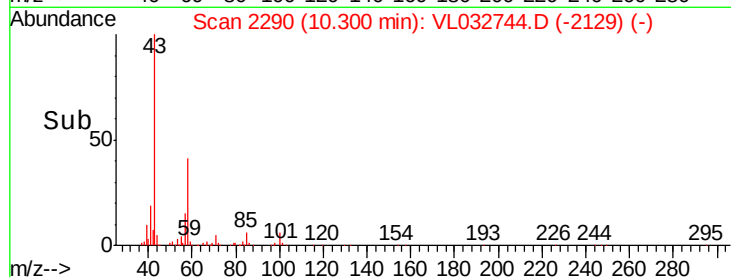
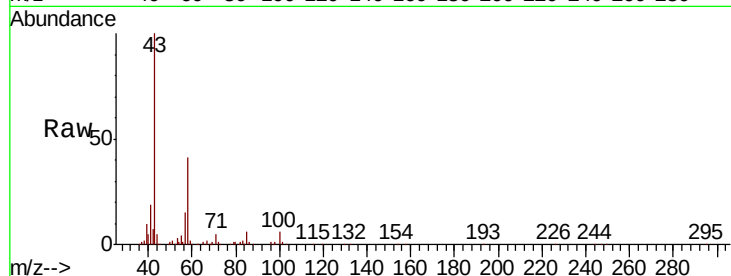
#51
2-Hexanone
Concen: 0.870 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.3	38.9	58.3
98	1.4	0.2	0.4

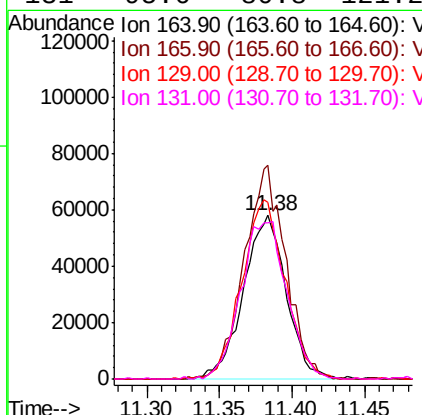
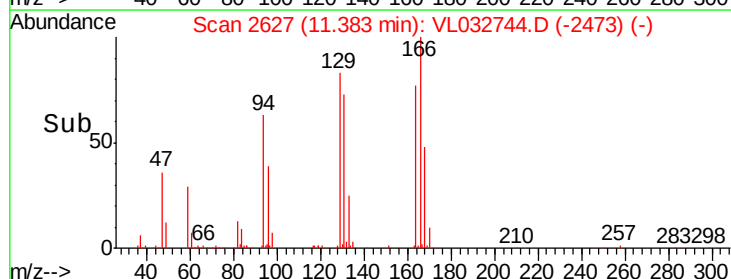
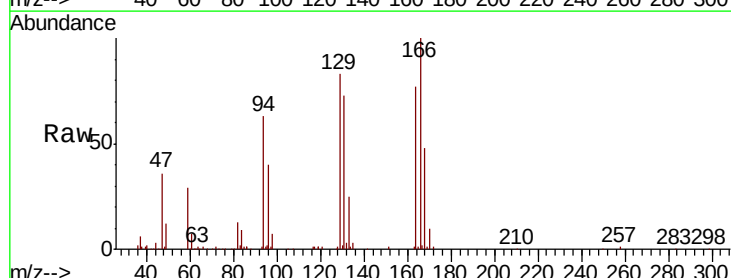
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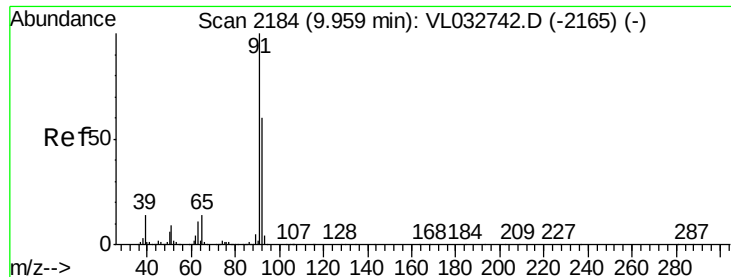
MMDadoda
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#52
Tetrachloroethene
Concen: 1.005 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	99.3	148.9
129	107.5	83.9	125.9
131	95.6	80.8	121.2





#53

Toluene

Concen: 0.864 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 329481

Ion Ratio Lower Upper

91 100

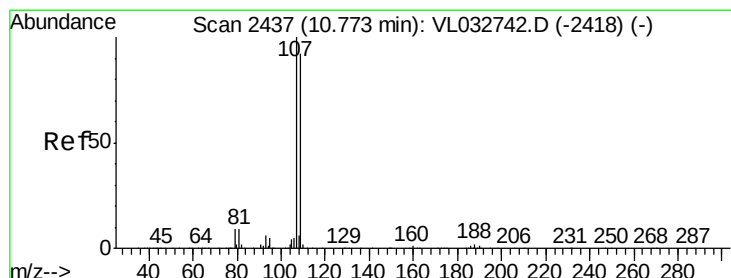
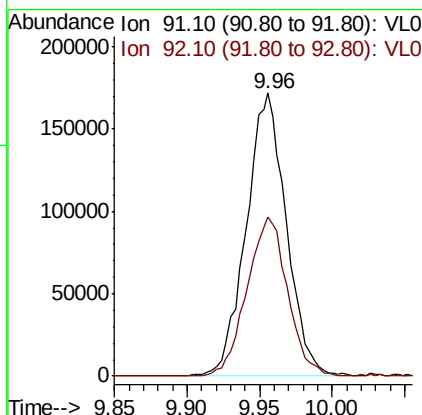
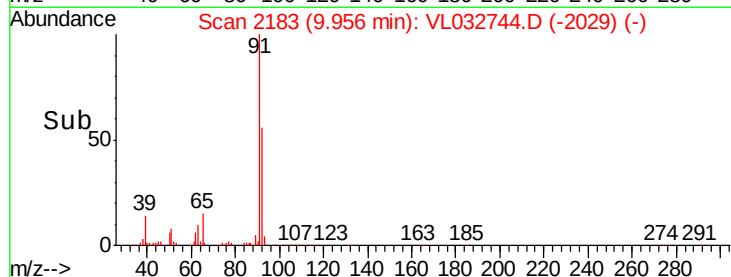
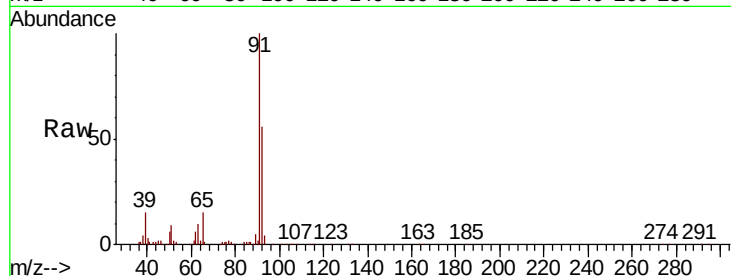
92 57.5 47.9 71.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.998 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032744.D

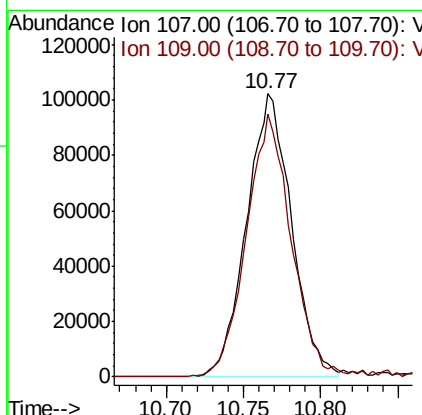
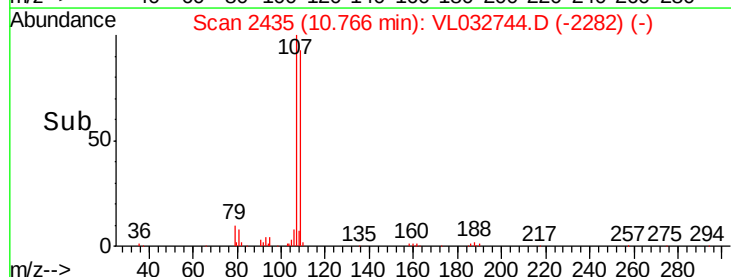
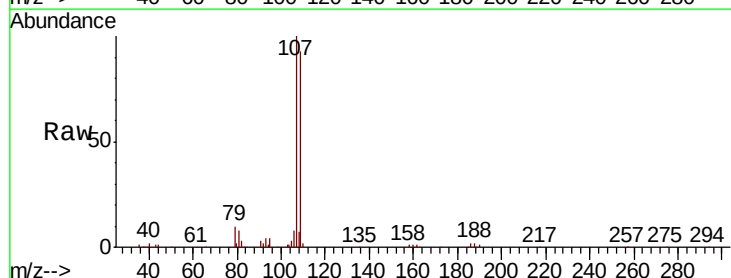
Acq: 14 Nov 2018 3:45

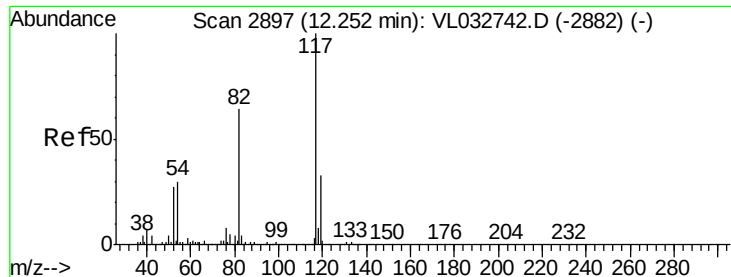
Tgt Ion: 107 Resp: 206436

Ion Ratio Lower Upper

107 100

109 92.7 73.8 110.8





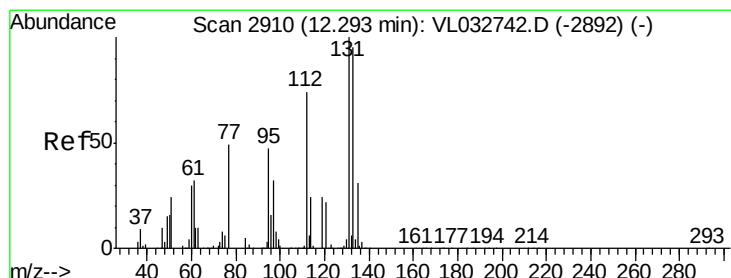
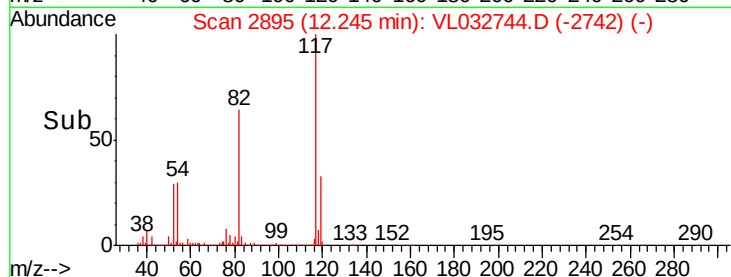
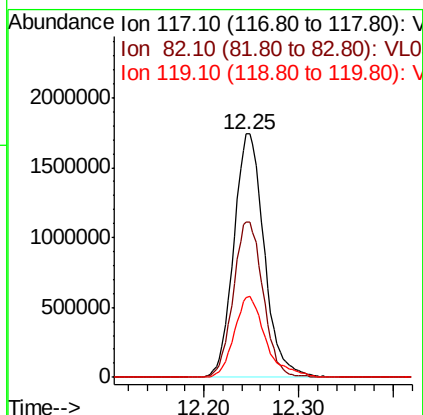
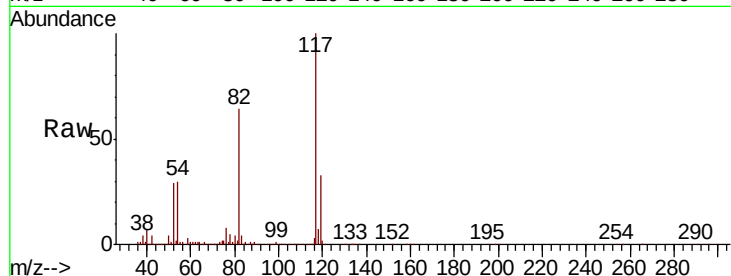
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	51.0	76.6
119	34.4	28.0	42.0

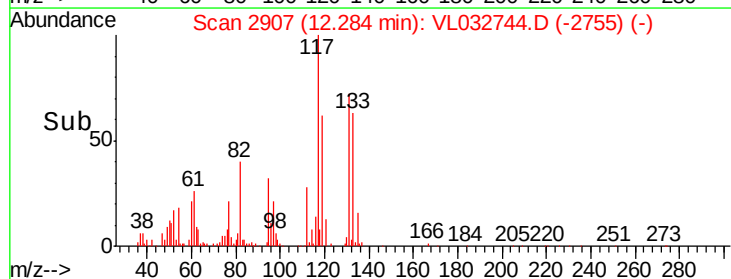
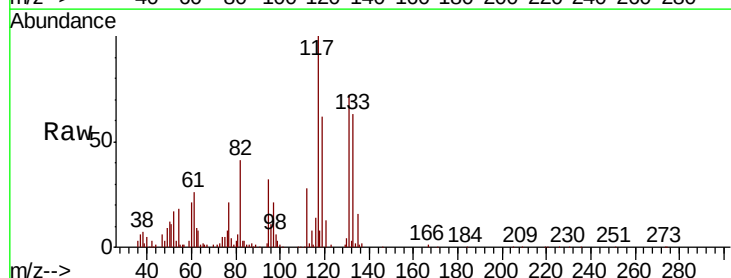
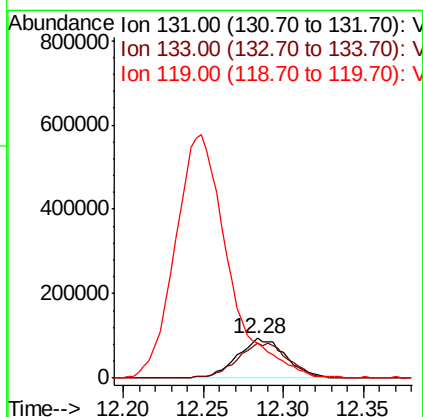
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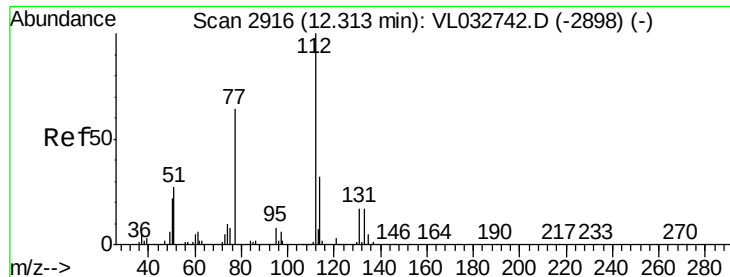
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.145 ppbv m
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.8	113.6#
119	0.0	45.2	67.8#





#57

Chlorobenzene

Concen: 1.082 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

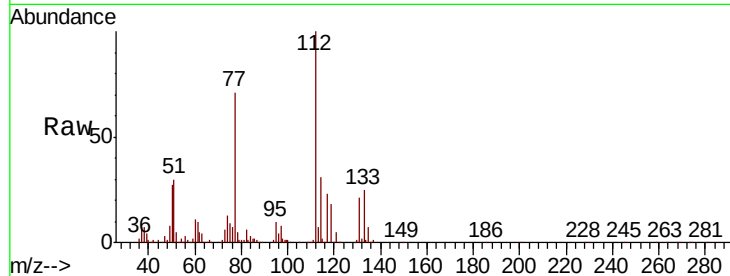
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	313035
Ion Ratio	Lower	Upper	
112	100		
77	70.4	52.3	78.5
114	30.5	28.4	34.8

Manual Integrations
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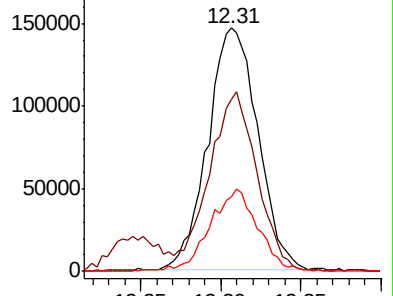
MMDadoda
11/16/2018 1:29:43 PM



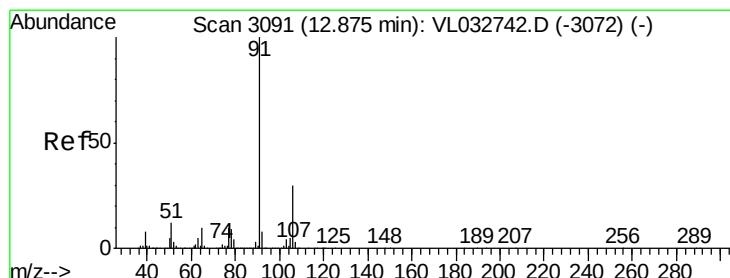
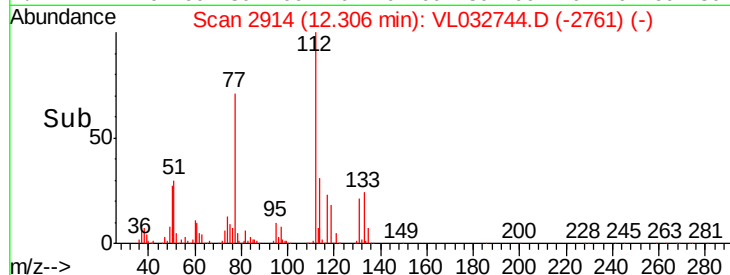
Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



Time-->



#58

Ethyl Benzene

Concen: 1.025 ppbv

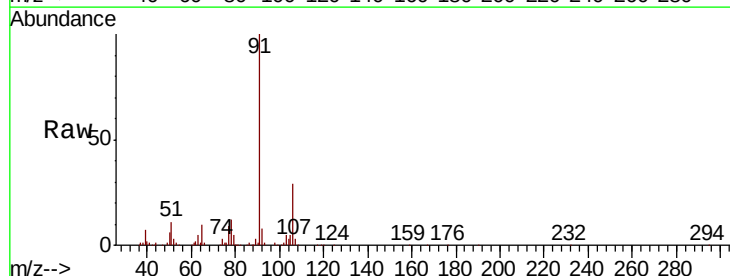
RT: 12.88 min Scan# 3091

Delta R.T. -0.00 min

Lab File: VL032744.D

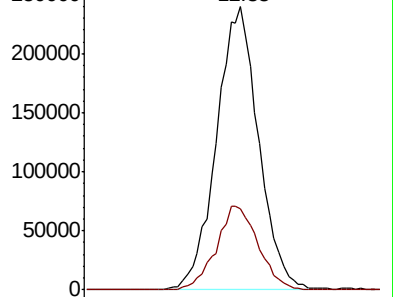
Acq: 14 Nov 2018 3:45

Tgt Ion:	91	Resp:	468246
Ion Ratio	Lower	Upper	
91	100		
106	28.8	23.6	35.4

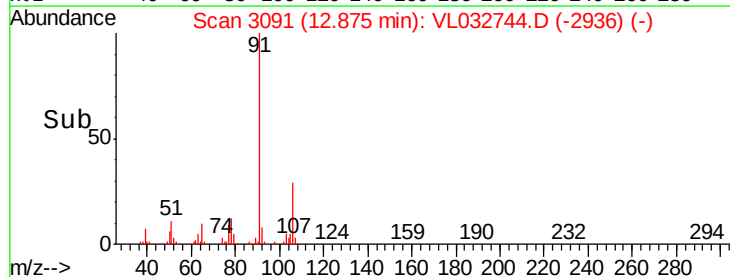


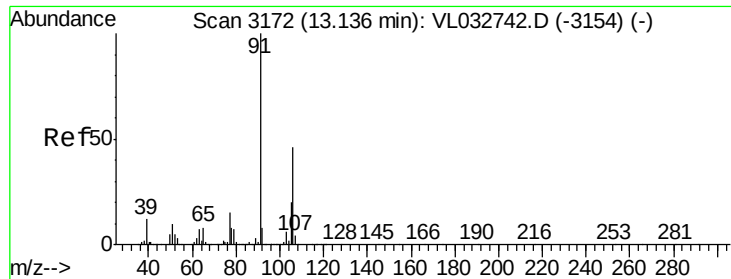
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



Time-->





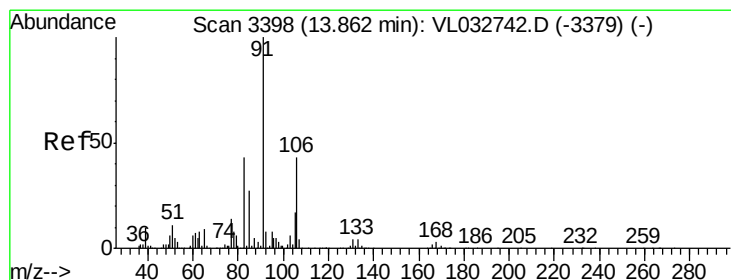
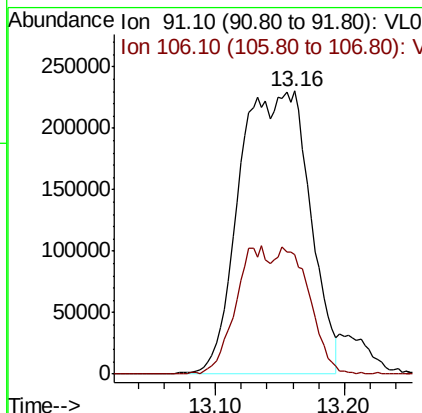
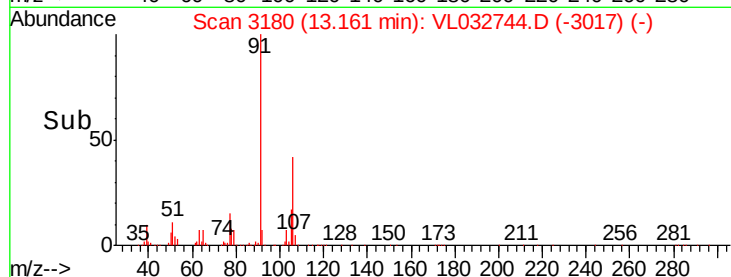
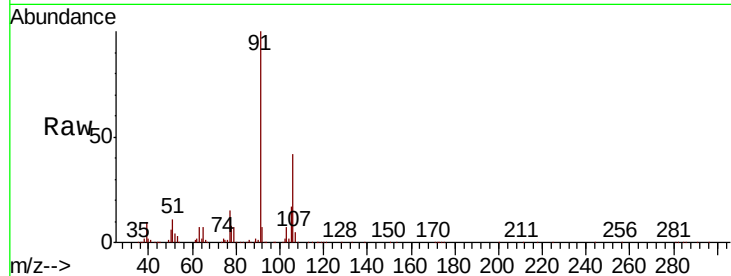
#59
m/p-Xylene
Concen: 2.154 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.03 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 875515
Ion Ratio Lower Upper
91 100
106 44.2 36.1 54.1

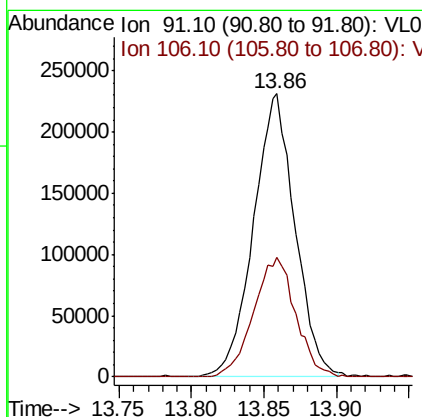
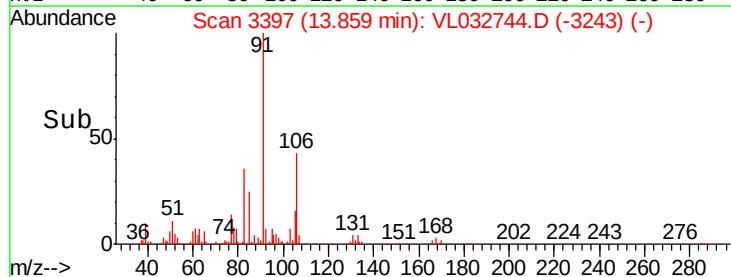
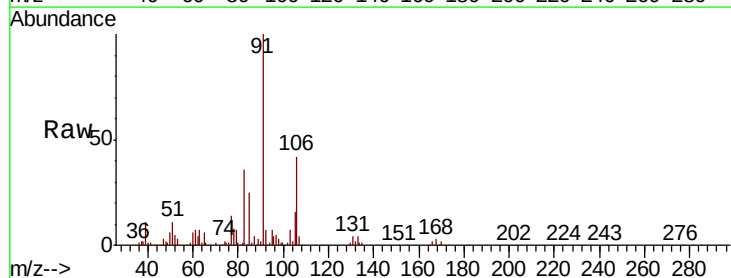
Manual Integrations
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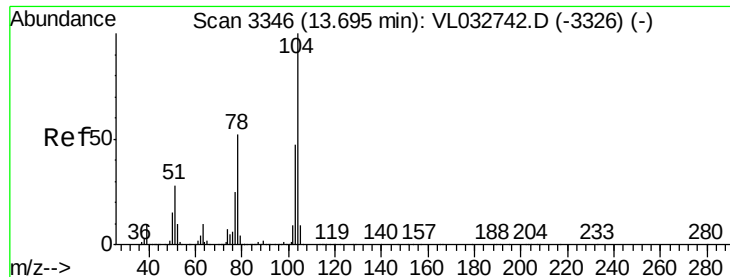
MMDadoda
11/16/2018 1:29:43 PM



#60
o-Xylene
Concen: 1.168 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032744.D
Acq: 14 Nov 2018 3:45

Tgt Ion: 91 Resp: 461059
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.7





#61

Stvrene

Concen: 1.065 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

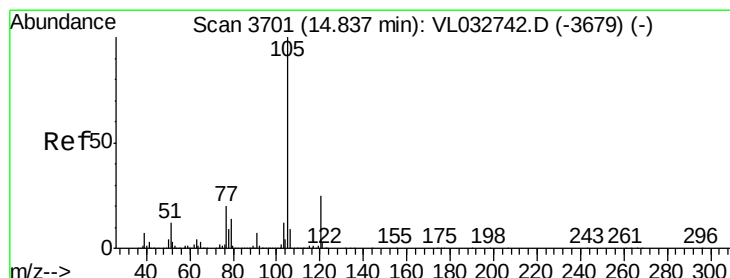
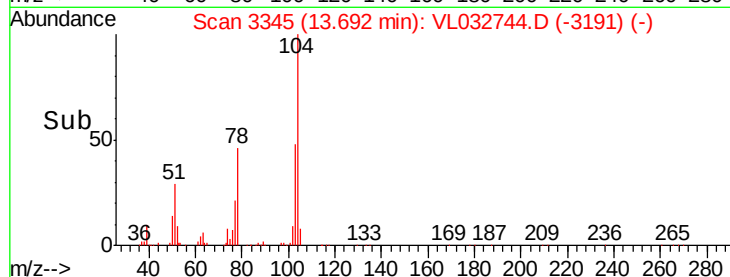
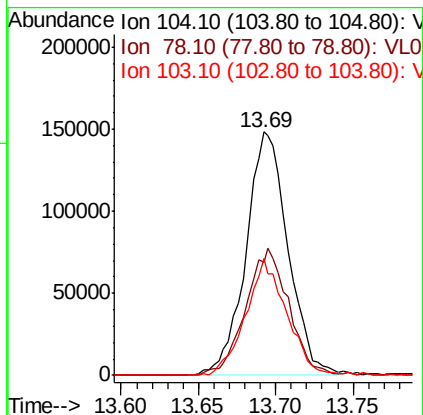
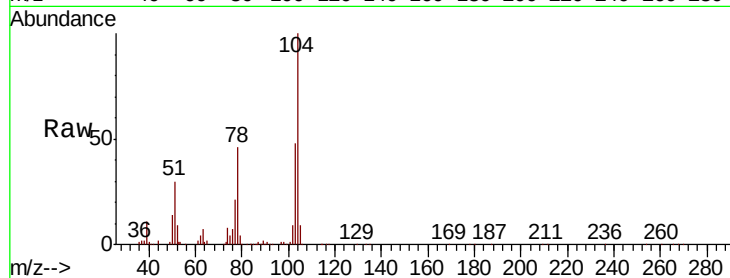
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	281206
Ion Ratio		Lower	Upper
104	100		
78	53.8	42.2	63.4
103	46.9	38.2	57.2

Manual Integrations
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11/16/2018 1:29:43 PM



#62

Isopropylbenzene

Concen: 1.098 ppbv

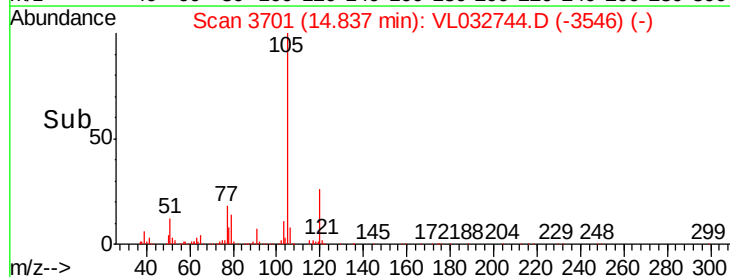
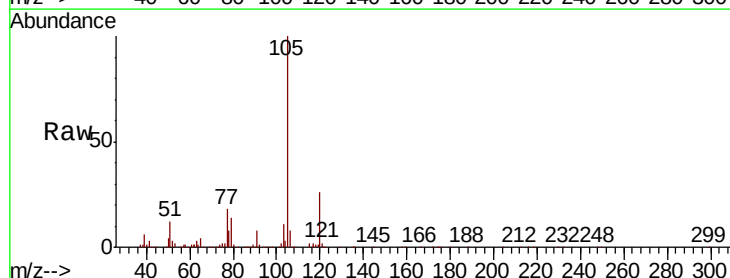
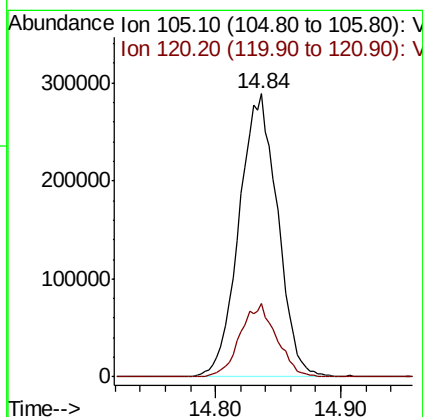
RT: 14.84 min Scan# 3701

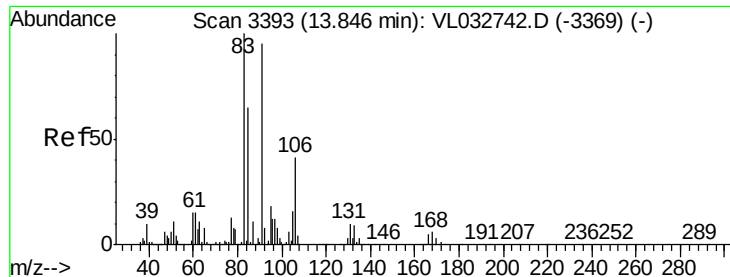
Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion:	105	Resp:	611952
Ion Ratio		Lower	Upper
105	100		
120	24.7	20.1	30.1





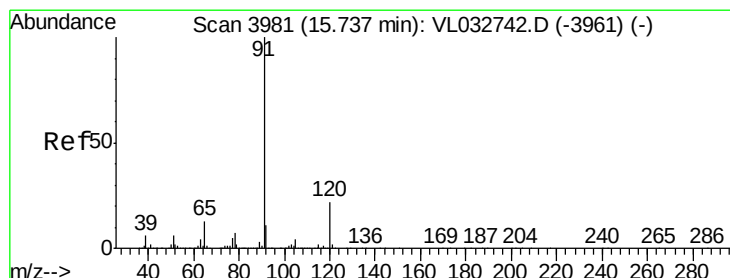
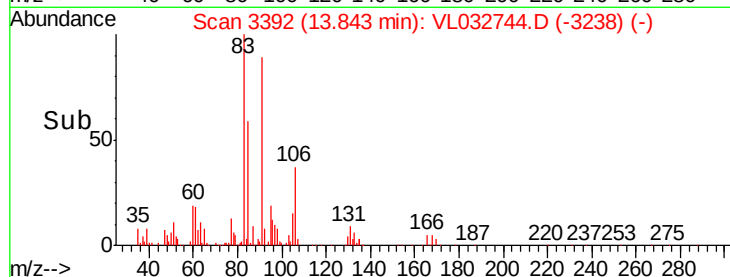
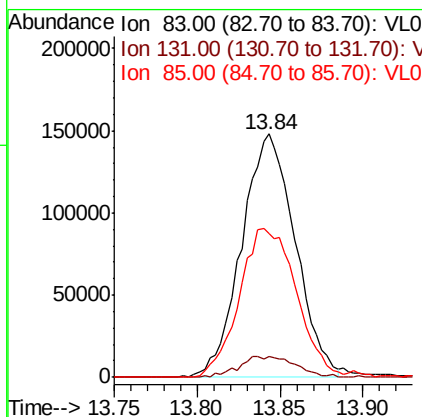
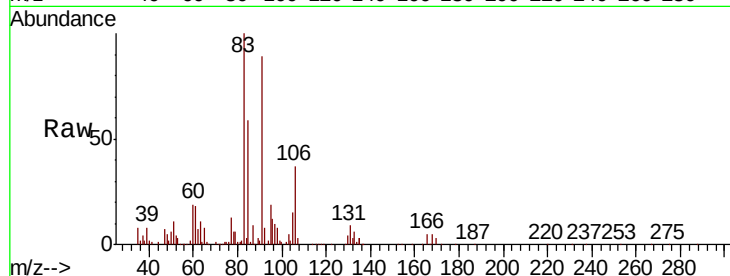
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.084 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	66.3	32.5	97.4

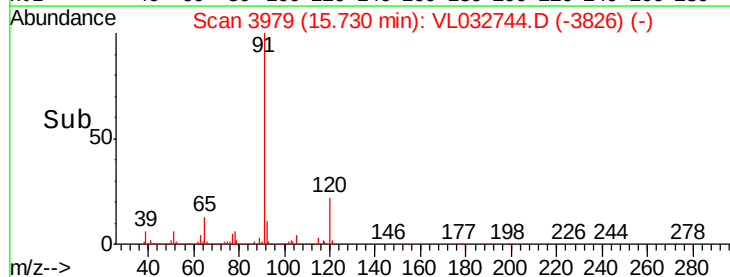
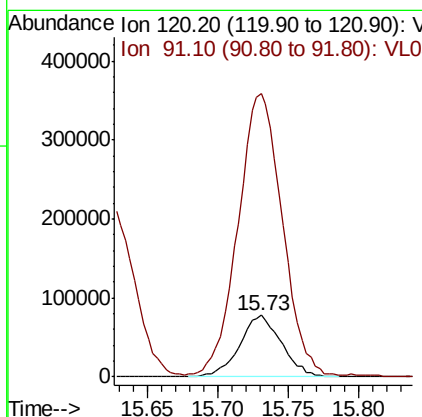
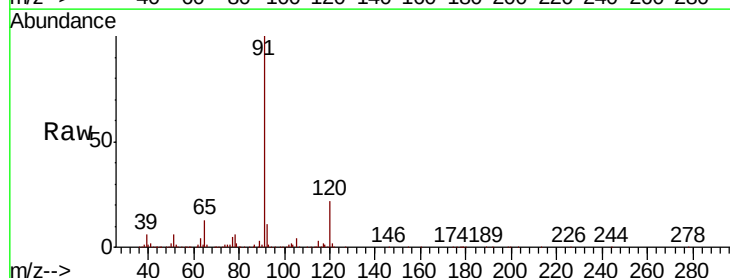
Manual Integrations
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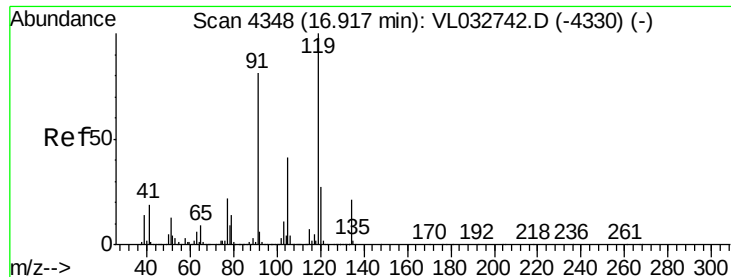
MMDadoda
 11/16/2018 1:29:43 PM



#64
 n-propylbenzene
 Concen: 1.156 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
120	100		
91	490.2	381.7	572.5





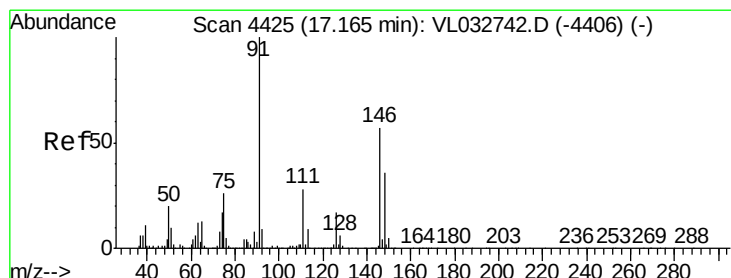
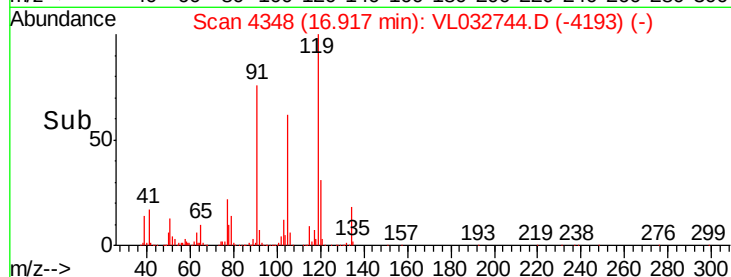
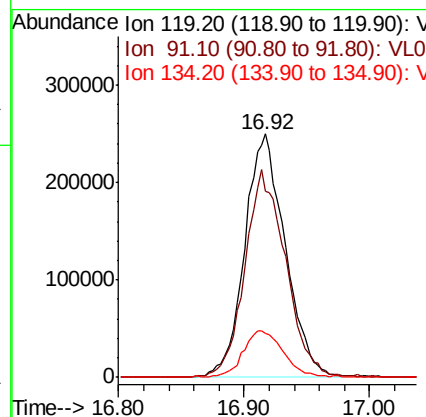
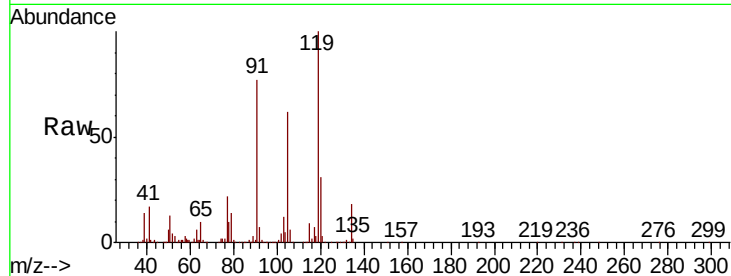
#65
 tert-Butylbenzene
 Concen: 1.160 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	557597		
91	86.3	65.6	98.4	
134	19.2	15.9	23.9	

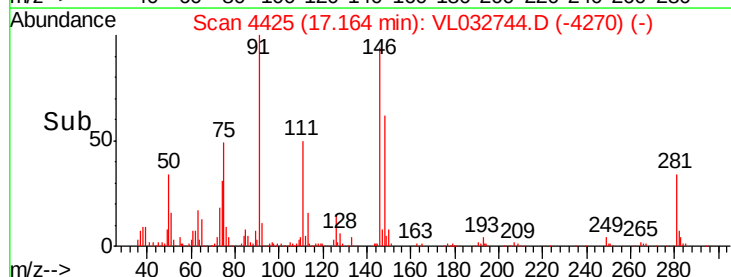
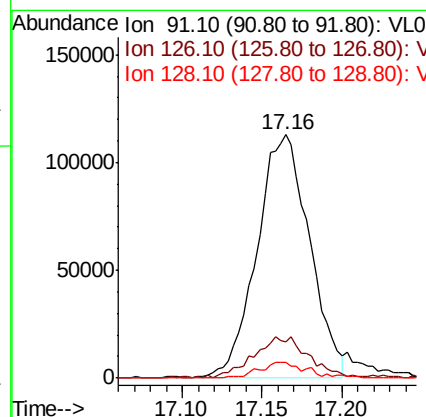
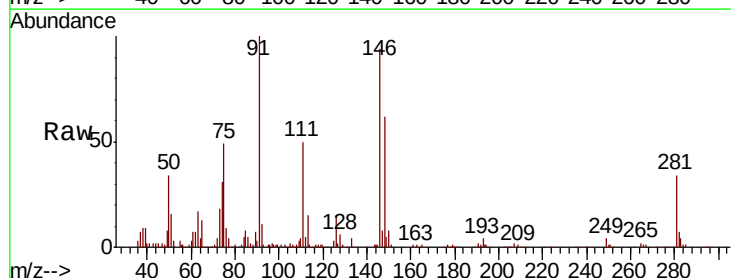
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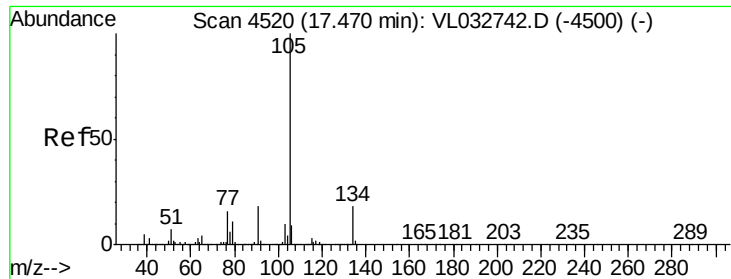
MMDadoda
 11/16/2018 1:29:43 PM



#66
 Benzyl Chloride
 Concen: 1.021 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	256298		
126	18.2	14.2	21.2	
128	6.1	4.5	6.7	





#67

sec-Butylbenzene

Concen: 1.163 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 793748

Ion Ratio Lower Upper

105 100

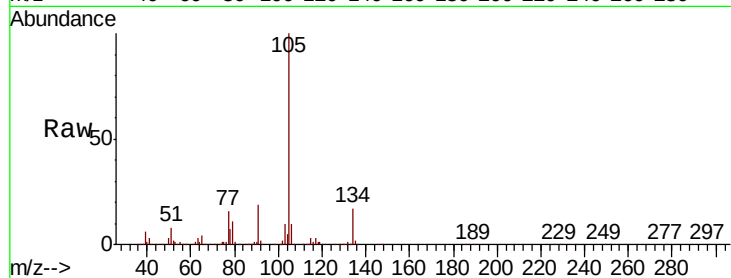
134 17.6 14.6 21.8

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

17.47

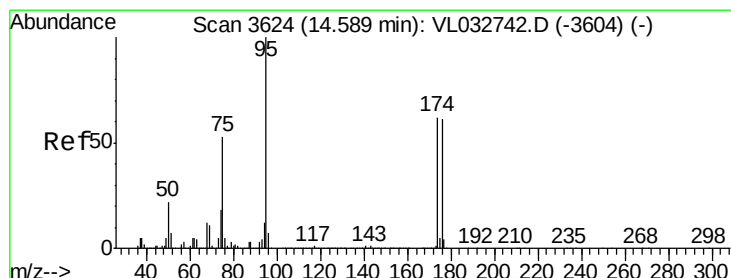
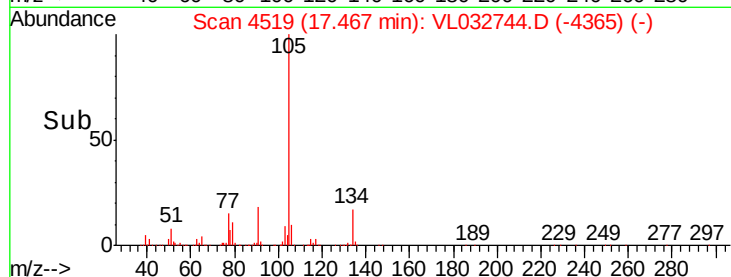
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.779 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

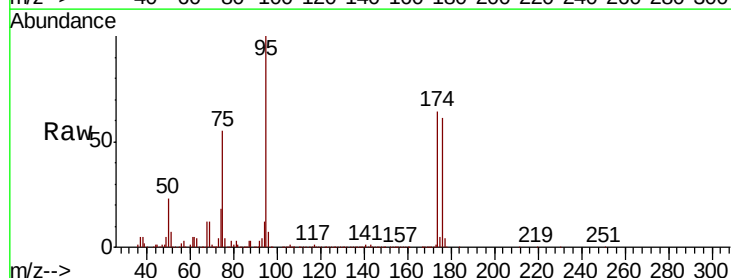
Tgt Ion: 95 Resp: 2867373

Ion Ratio Lower Upper

95 100

174 63.7 50.7 76.1

175 4.8 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

14.59

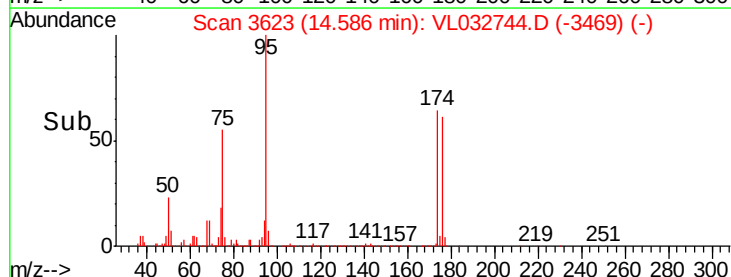
1500000

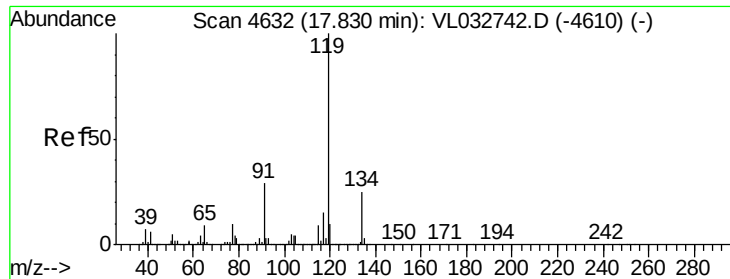
1000000

500000

0

Time-->





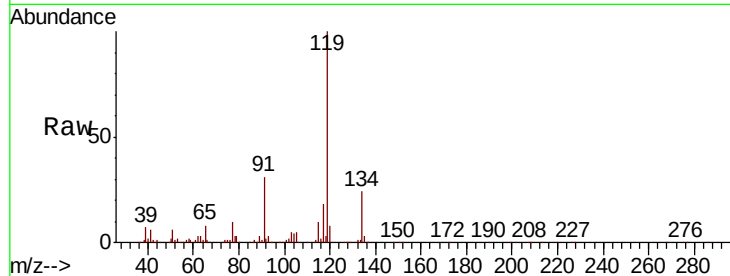
#69
 p-Isopropyltoluene
 Concen: 1.131 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

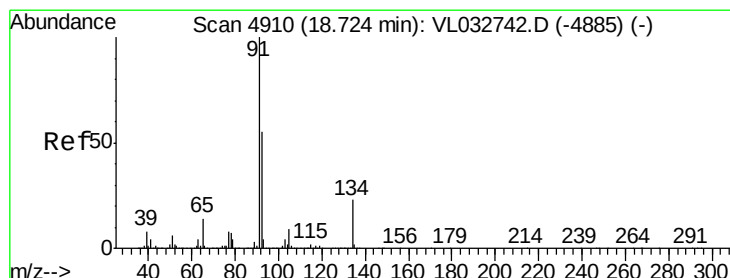
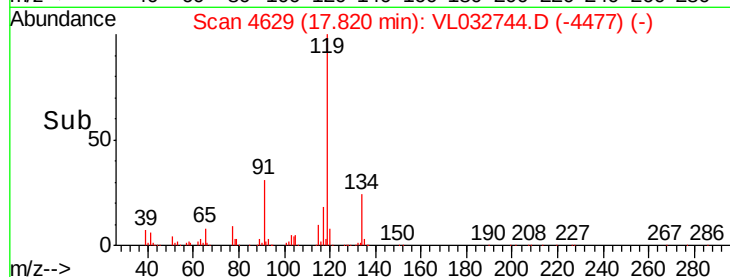
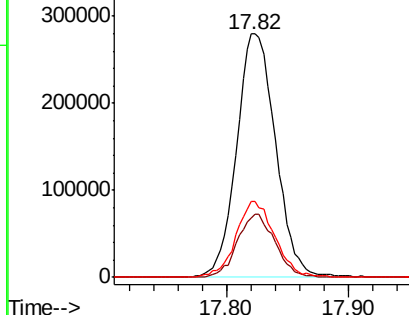
Tot Ion	Ratio	Resp	Lower	Upper
119	100	612831		
134	25.3	20.2	30.4	
91	31.7	23.5	35.3	

Manual Integrations
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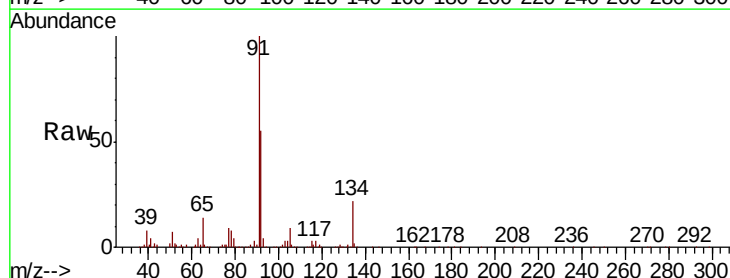


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

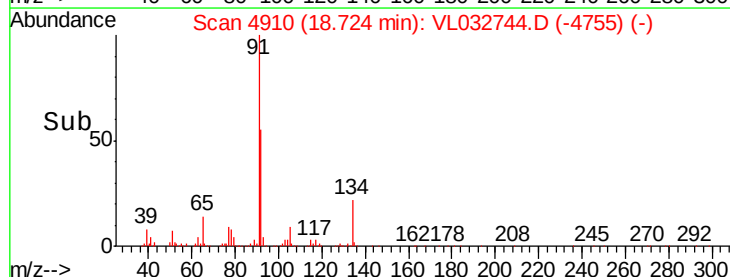
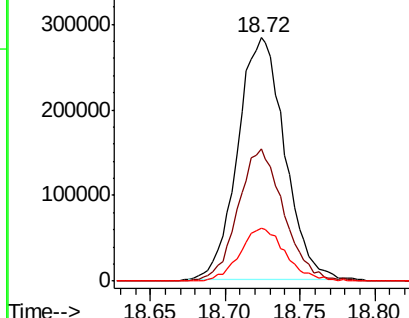


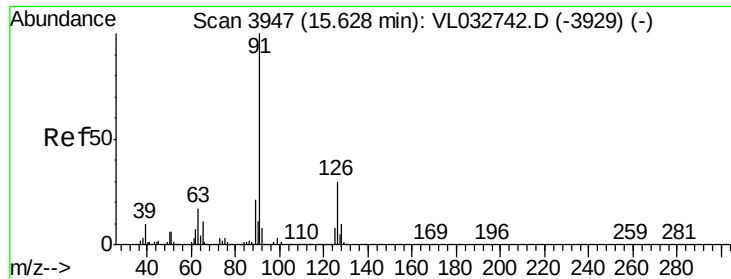
#70
 n-Butylbenzene
 Concen: 1.115 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	619929		
92	53.2	42.9	64.3	
134	21.3	17.8	26.8	



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





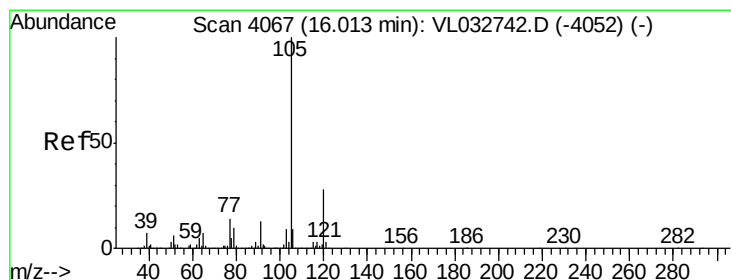
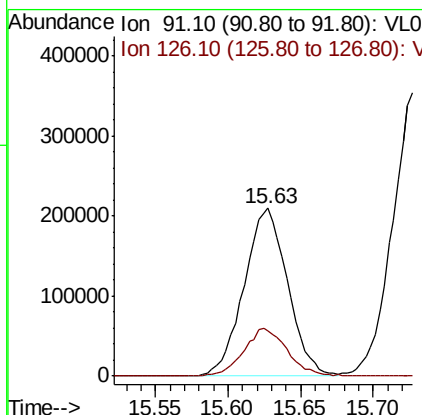
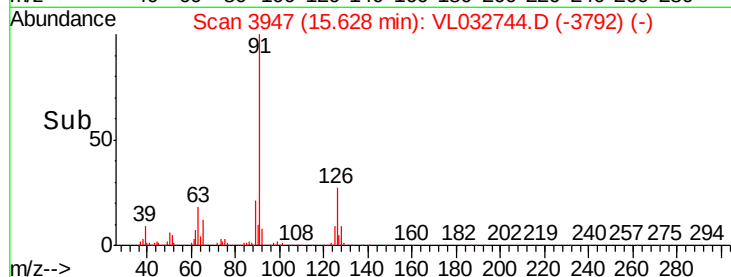
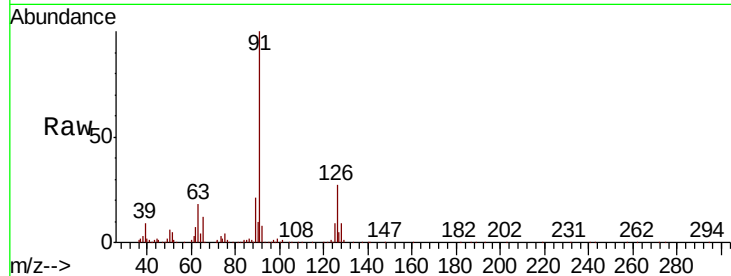
#71
 2-Chlorotoluene
 Concen: 1.093 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.8	12.1	48.5

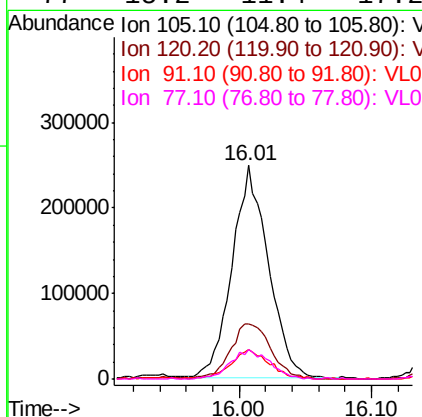
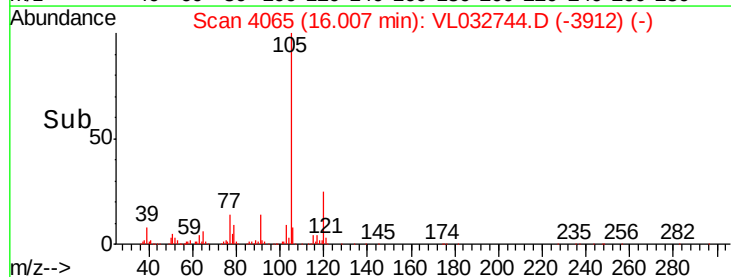
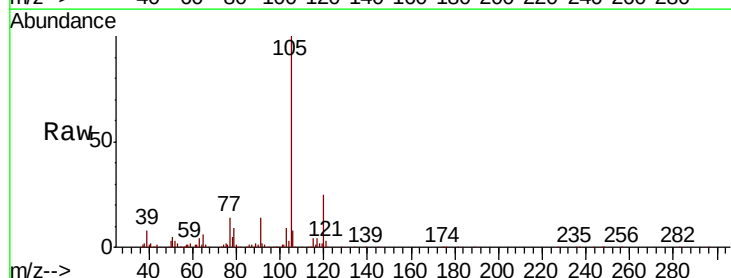
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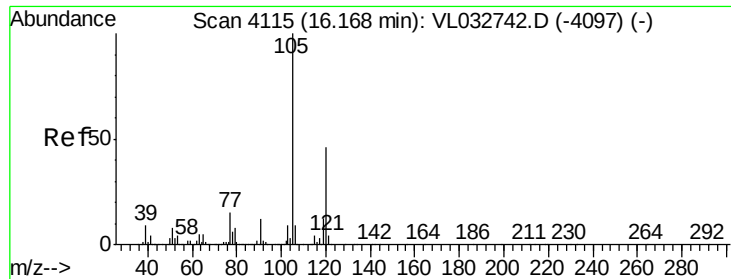
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#72
 4-Ethyltoluene
 Concen: 1.118 ppbv
 RT: 16.01 min Scan# 4065
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.9	34.3
91	14.9	10.6	15.8
77	15.2	11.4	17.2





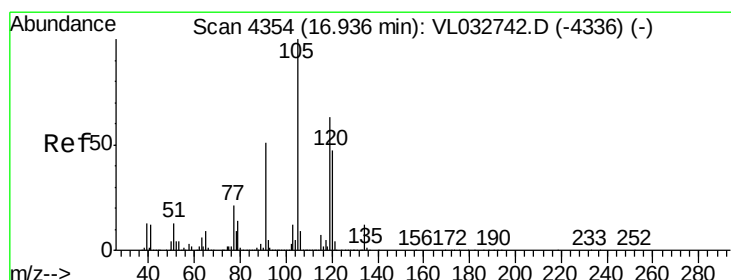
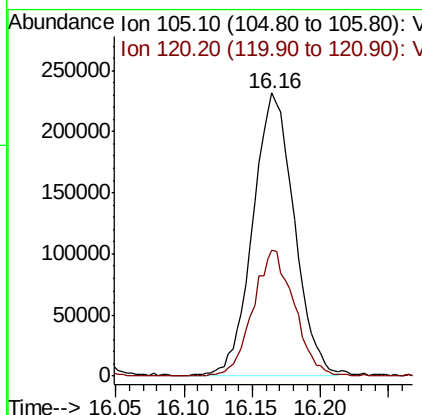
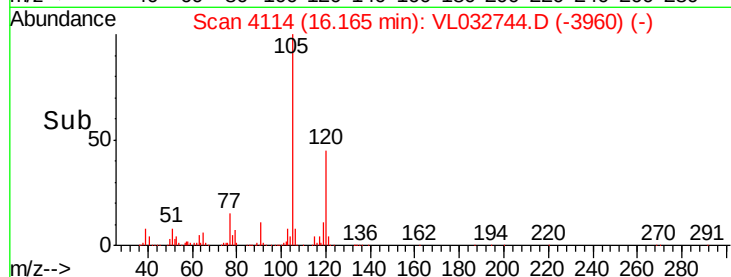
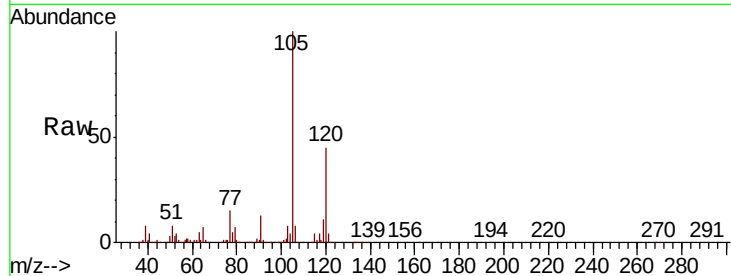
#73
 1,3,5-Trimethylbenzene
 Concen: 1.174 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 486222
 Ion Ratio Lower Upper
 105 100
 120 44.3 36.6 55.0

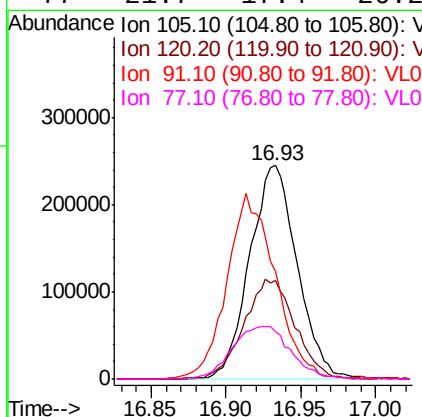
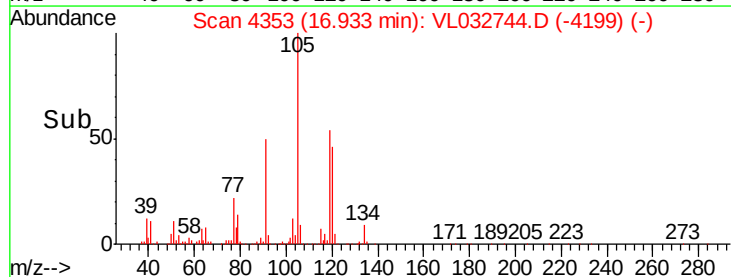
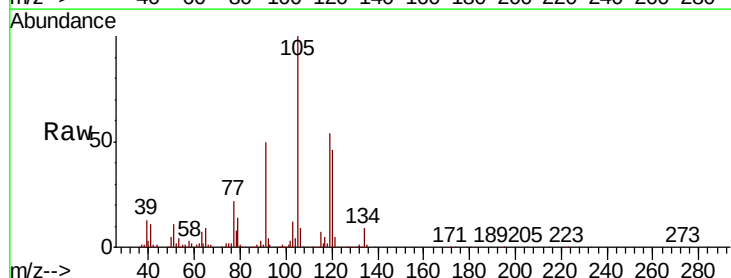
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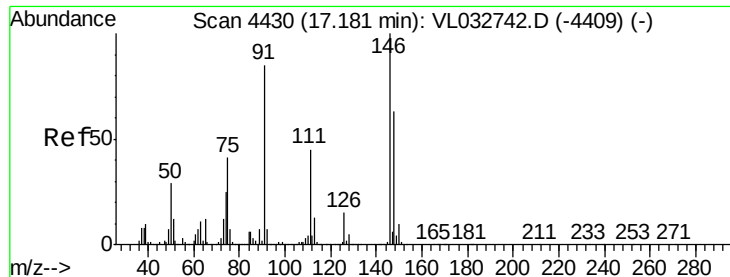
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.211 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion:105 Resp: 535017
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.6 56.4
 91 49.1 42.5 63.7
 77 21.7 17.4 26.2





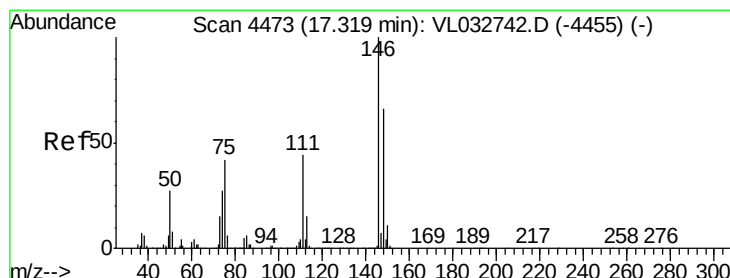
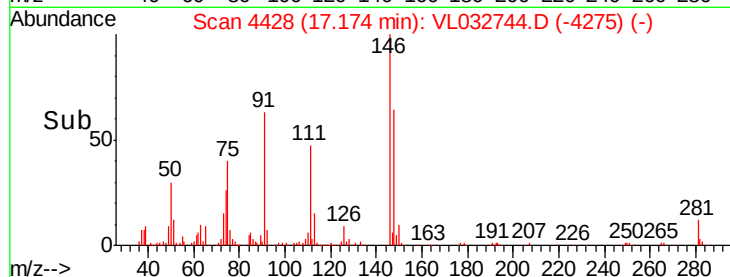
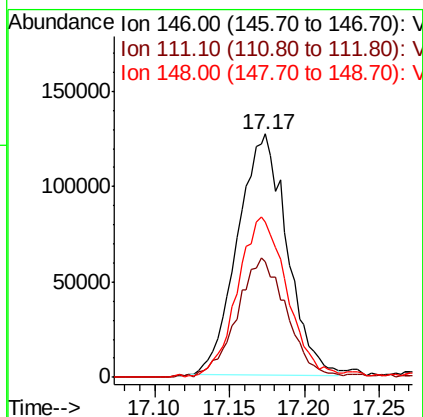
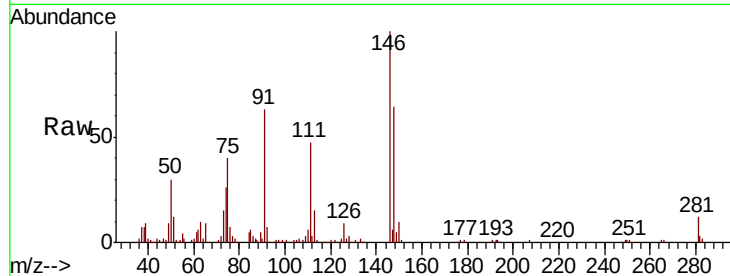
#75
 1,3-Dichlorobenzene
 Concen: 1.144 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	23.5	70.6
148	68.0	31.8	95.3

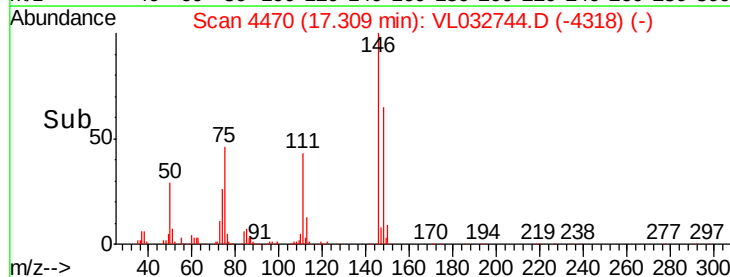
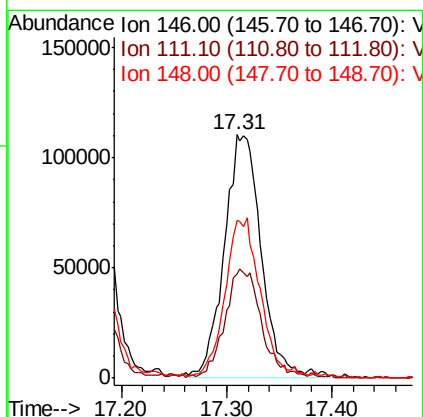
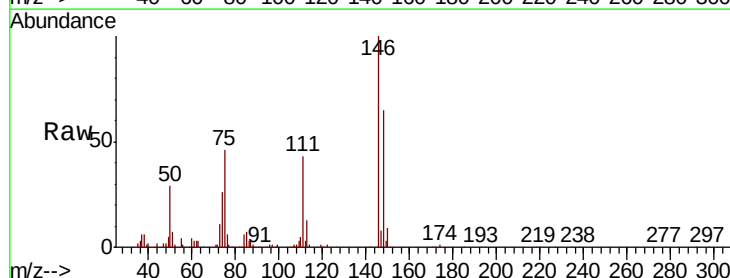
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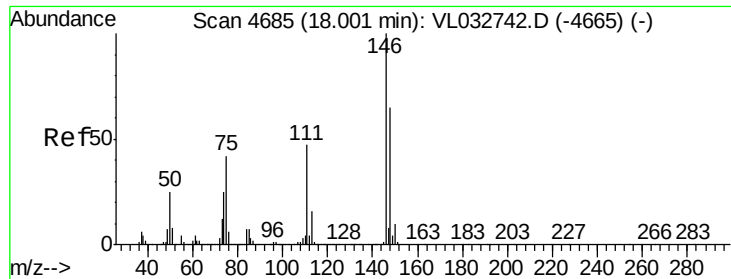
MMDadoda
 11/16/2018 1:29:43 PM



#76
 1,4-Dichlorobenzene
 Concen: 1.145 ppbv m
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.5	67.5#
148	0.0	32.5	97.5#





#77

1,2-Dichlorobenzene

Concen: 1.107 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

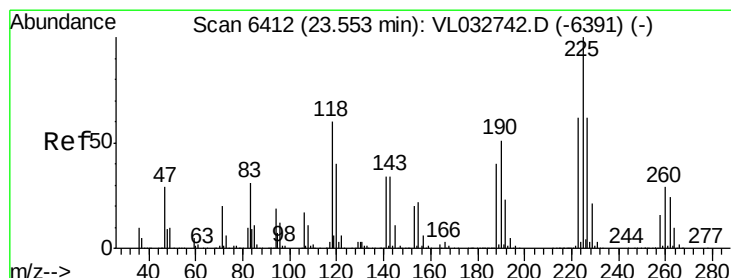
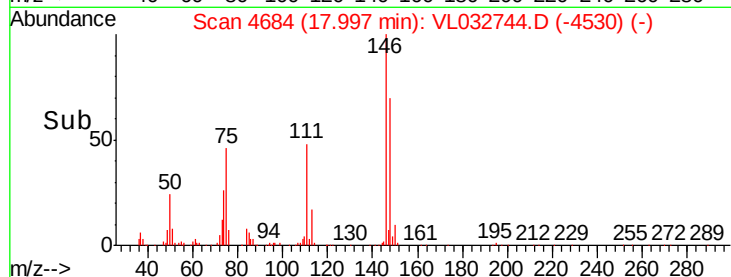
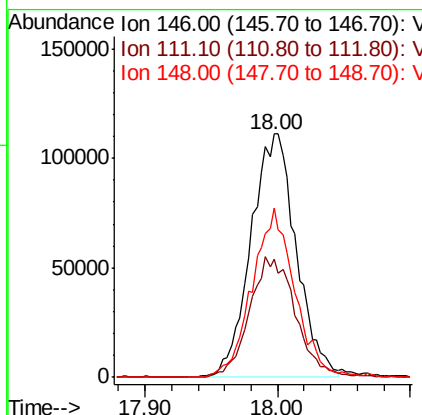
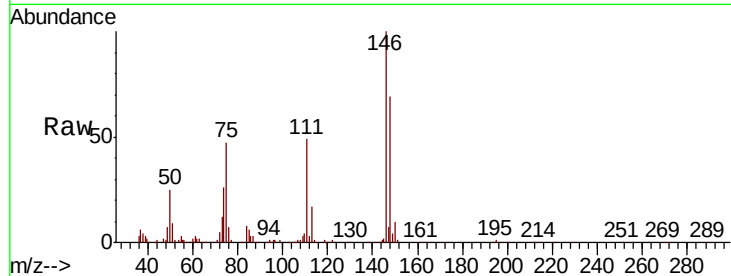
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.4	73.2
148	65.4	32.2	96.6

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 1.197 ppbv

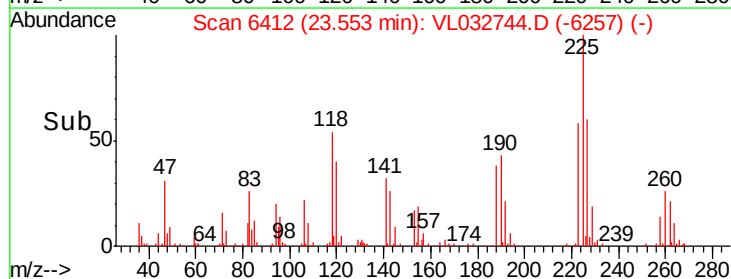
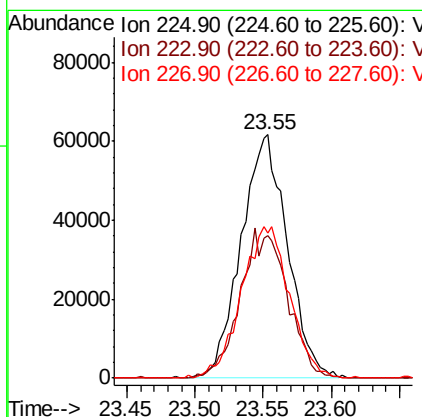
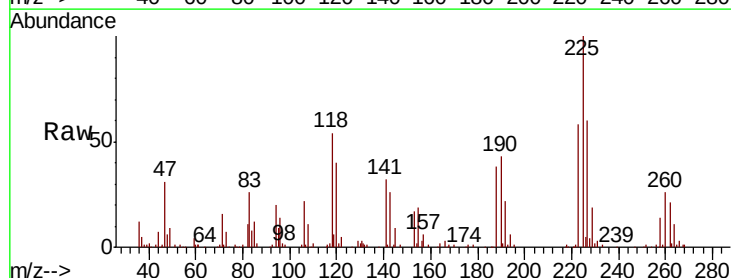
RT: 23.55 min Scan# 6412

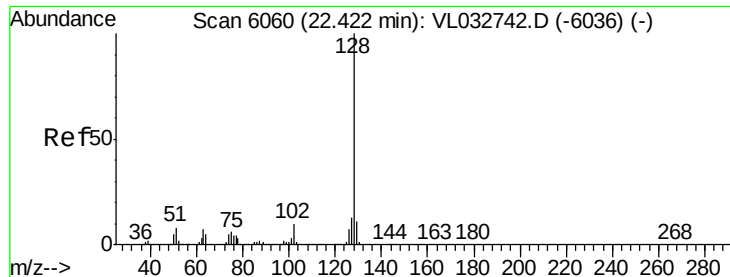
Delta R.T. -0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.3	75.5
227	64.8	50.2	75.4





#79

Naphthalene

Concen: 1.093 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Instrument :

MSVOA_L

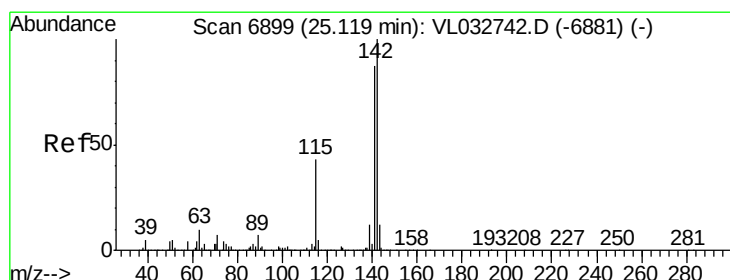
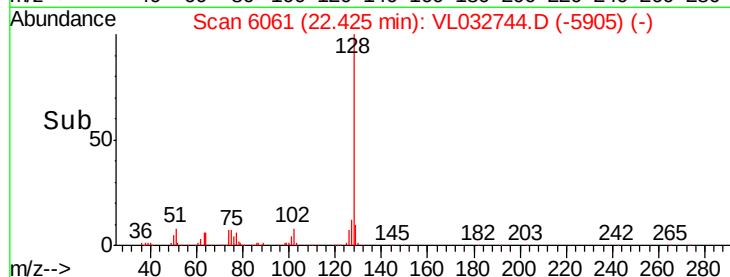
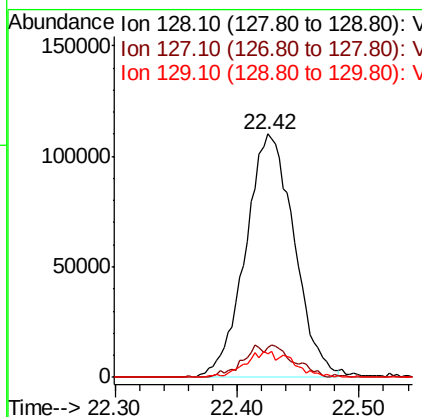
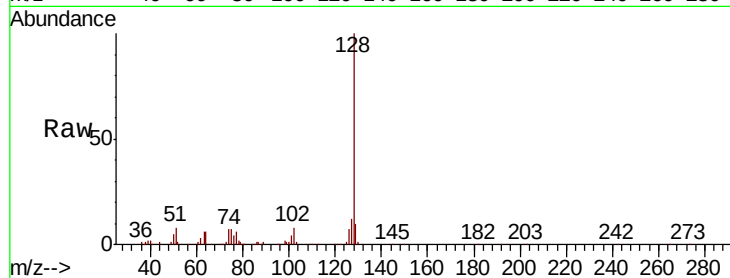
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	303595
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.1	15.1
129	9.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:29:43 PM



#80

Naphthalene, 2-methyl-

Concen: 0.676 ppbv

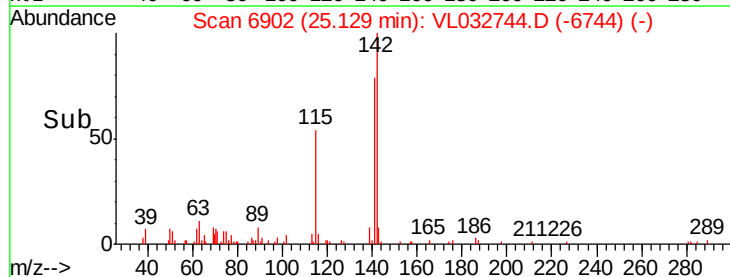
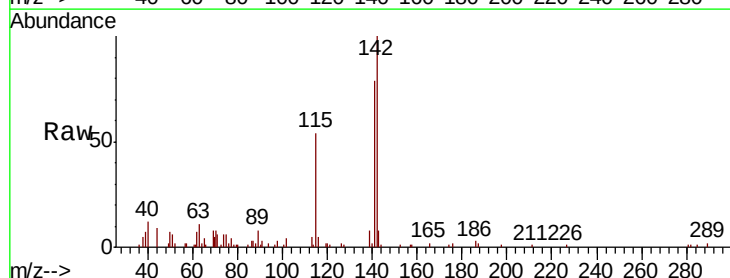
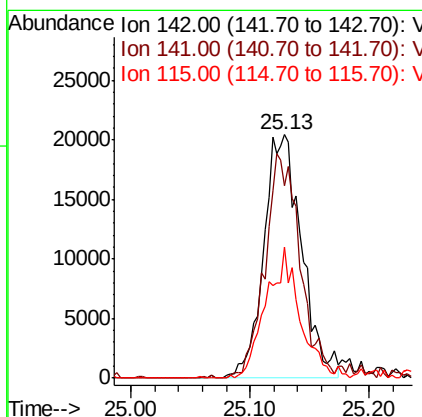
RT: 25.13 min Scan# 6902

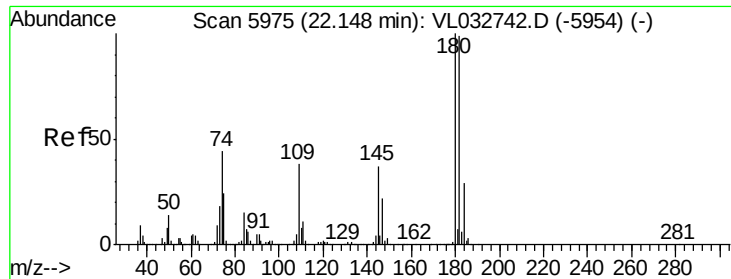
Delta R.T. 0.01 min

Lab File: VL032744.D

Acq: 14 Nov 2018 3:45

Tgt Ion:	142	Resp:	44934
Ion Ratio	Lower	Upper	
142	100		
141	90.6	68.7	103.1
115	48.0	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 1.091 ppbv m
 RT: 22.15 min Scan# 5974
 Delta R.T. -0.00 min
 Lab File: VL032744.D
 Acq: 14 Nov 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	155034
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.3	115.9#
184	0.0	24.2	36.4#

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:29:43 PM

