

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032154.D
 Acq On : 30 Jun 2018 3:57
 Operator : SY/AP
 Sample : VL0629ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0629ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:19 PM

Quant Time: Jun 30 04:38:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1596636	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3970112	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3948221	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2748455	9.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2537420	12.07	ppbv	98
3) Chlorodifluoromethane	3.07	51	1808197	9.27	ppbv	95
4) Chloromethane	3.23	50	981301	9.42	ppbv	99
5) Vinyl Chloride	3.35	62	1000458	9.51	ppbv	98
6) Bromomethane	3.58	94	561506	9.37	ppbv	97
7) Chloroethane	3.67	64	350086	9.41	ppbv	94
8) Dichlorotetrafluoroethane	3.28	85	2141602	9.13	ppbv	94
9) Propene	3.09	41	823131	9.05	ppbv	98
10) Heptane	8.34	43	2476661	9.34	ppbv	99
11) Trichlorofluoromethane	4.07	101	2189620	9.63	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1380425	9.11	ppbv	94
13) Ethanol	3.72	45	170621	6.19	ppbv	96
14) Bromoethene	3.86	108	683770	9.49	ppbv	99
15) Acetone	3.97	43	1676243	8.98	ppbv	100
16) 1,3-Butadiene	3.42	39	936535	10.51	ppbv	89
17) tert-Butyl alcohol	4.43	59	936032	7.87	ppbv	99
18) 1,1-Dichloroethene	4.43	96	670797	9.26	ppbv	97
19) Isopropyl Alcohol	4.10	45	1210556	7.80	ppbv #	41
20) Methylene Chloride	4.49	84	582644	8.54	ppbv	98
21) Allyl Chloride	4.55	41	1178418	9.24	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	725354	9.58	ppbv	97
23) Vinyl Acetate	5.24	43	3404832	10.06	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2193275	10.11	ppbv	100
25) Ethyl Acetate	5.85	43	3731792	9.66	ppbv	99
26) Hexane	5.86	57	1703745	9.58	ppbv	96
27) Carbon Disulfide	4.70	76	1664906	9.42	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	3107279	9.88	ppbv	100
29) Chloroform	5.94	83	2606944	10.07	ppbv	99
30) Cyclohexane	7.34	84	1624696	9.69	ppbv	98
31) cis-1,2-Dichloroethene	5.73	61	1790823	10.07	ppbv	95
32) 1,1,1-Trichloroethane	6.71	97	2612370	9.62	ppbv	98
34) 2-Butanone	5.41	43	2630211	10.44	ppbv	99
35) Carbon Tetrachloride	7.23	117	2660454	9.79	ppbv	98
36) Benzene	7.10	78	3919643	10.20	ppbv	98
37) 1,2-Dichloroethane	6.50	62	2064704	10.78	ppbv	97
38) Trichloroethene	8.06	130	1325546	8.83	ppbv	96
39) 1,2-Dichloropropane	7.83	63	1502931	9.92	ppbv	96
40) 1,4-Dioxane	8.05	88	484597	8.15	ppbv #	1
41) Tetrahydrofuran	6.24	42	1551492	10.27	ppbv	98
42) Bromodichloromethane	8.02	83	2997547	9.99	ppbv	100
43) Methyl Methacrylate	8.23	69	1607700	10.09	ppbv	99

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 ClientSampleId :
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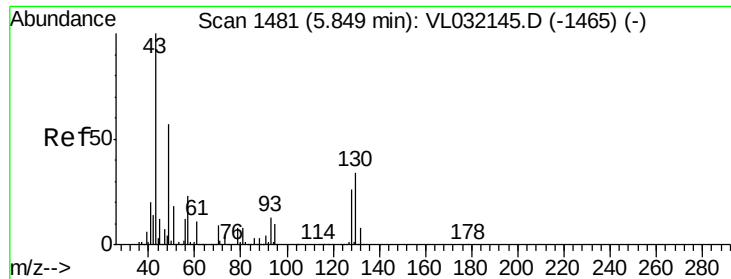
Manual Integrations
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 7/2/2018 4:25:19 PM

Quant Time: Jun 30 04:38:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	6376802	9.48	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	2072475	10.50	ppbv	100
46) cis-1,3-Dichloropropene	8.94	75	2423024	10.28	ppbv	98
47) 1,1,2-Trichloroethane	9.72	97	1554325	9.87	ppbv	99
48) Dibromochloromethane	10.56	129	2425877	9.95	ppbv	99
49) Bromoform	13.31	173	1971515	9.65	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	4115663	9.97	ppbv	100
51) 2-Hexanone	10.37	43	3423484	10.00	ppbv	100
52) Tetrachloroethene	11.48	164	1201527	8.60	ppbv	97
53) Toluene	10.05	91	4430716	9.54	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2349740	9.92	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1622153	9.20	ppbv #	54
57) Chlorobenzene	12.41	112	3152024	9.22	ppbv	97
58) Ethyl Benzene	12.97	91	5939339	9.33	ppbv	93
59) m/p-Xylene	13.26	91	9409621m	18.45	ppbv	
60) o-Xylene	13.96	91	4564414	8.97	ppbv	96
61) Styrene	13.79	104	3824797	9.17	ppbv	96
62) Isopropylbenzene	14.93	105	6596779	8.43	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	3242429	8.23	ppbv	99
64) n-propylbenzene	15.83	120	1713781	8.47	ppbv	88
65) tert-Butylbenzene	17.02	119	5428982	7.90	ppbv	94
66) Benzyl Chloride	17.26	91	3646679	8.59	ppbv	95
67) sec-Butylbenzene	17.57	105	8071822	8.02	ppbv	98
69) p-Isopropyltoluene	17.92	119	6553500	8.12	ppbv	97
70) n-Butylbenzene	18.82	91	7131934	8.46	ppbv	99
71) 2-Chlorotoluene	15.72	91	5262788	8.74	ppbv	95
72) 4-Ethyltoluene	16.11	105	5686614	8.66	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	5346556	8.64	ppbv	96
74) 1,2,4-Trimethylbenzene	17.03	105	5200958	8.33	ppbv	94
75) 1,3-Dichlorobenzene	17.28	146	2865431	8.07	ppbv	97
76) 1,4-Dichlorobenzene	17.41	146	2966659	8.23	ppbv	97
77) 1,2-Dichlorobenzene	18.10	146	2886276	8.13	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	976256	7.90	ppbv	99
79) Naphthalene	22.53	128	5442150	9.59	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	2746356	13.40	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	2410742	9.40	ppbv	100

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



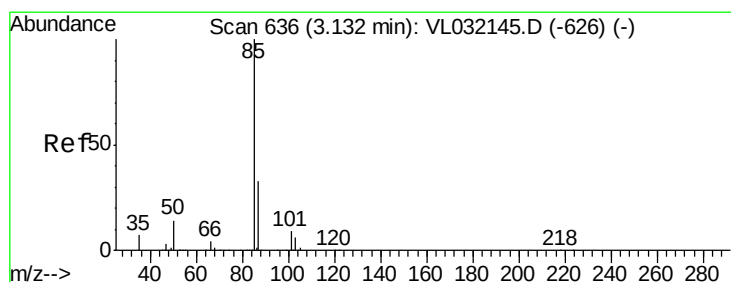
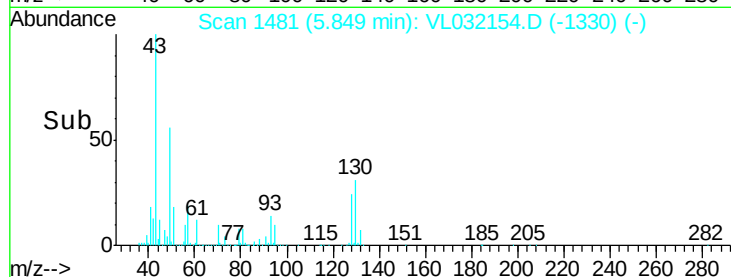
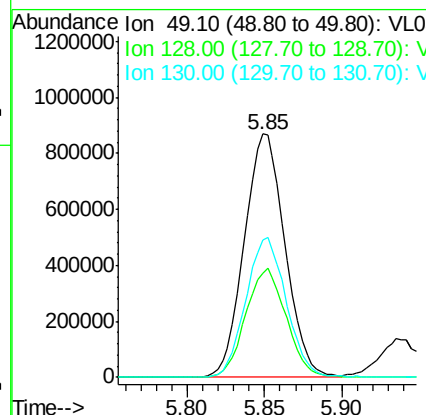
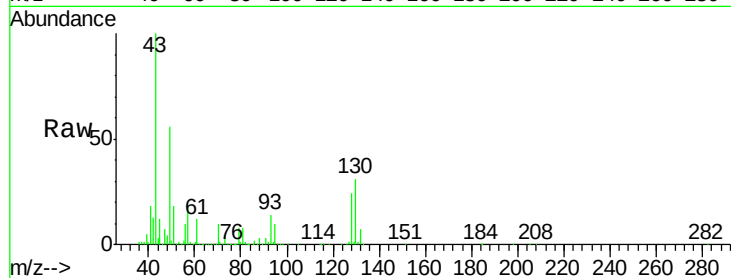
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion: 49 Resp: 1596636
 Ion Ratio Lower Upper
 49 100
 128 44.6 23.4 70.0
 130 57.2 30.3 90.9

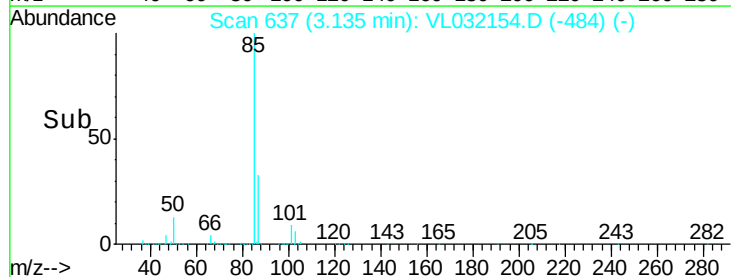
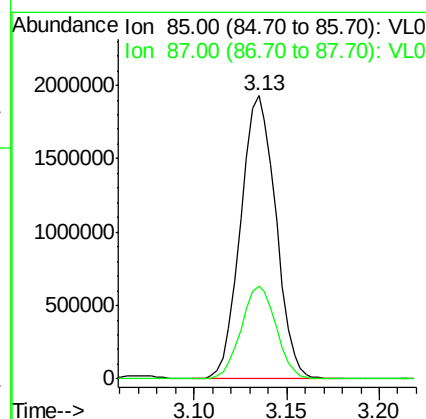
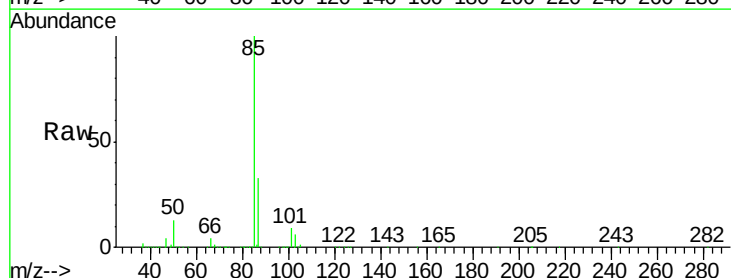
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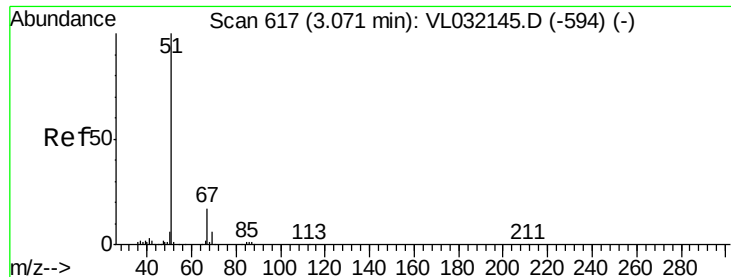
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#2
 Dichlorodifluoromethane
 Concen: 12.07 ppbv
 RT: 3.13 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion: 85 Resp: 2537420
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 9.27 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 51 Resp: 1808197

Ion Ratio Lower Upper

51 100

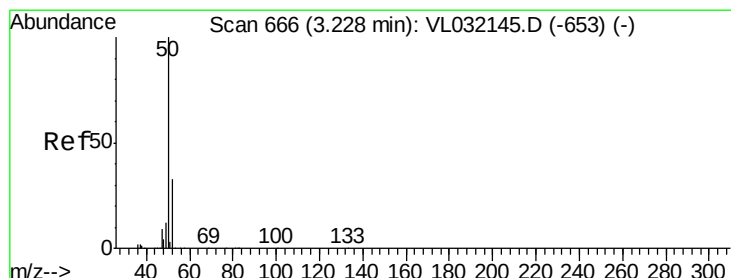
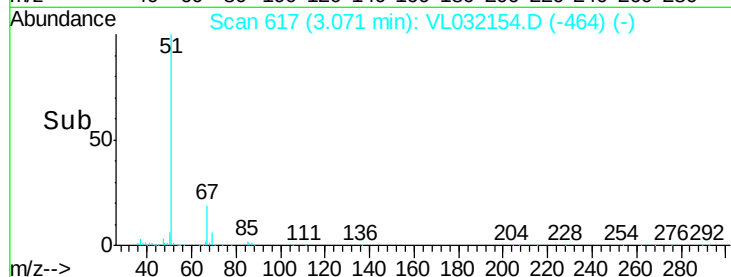
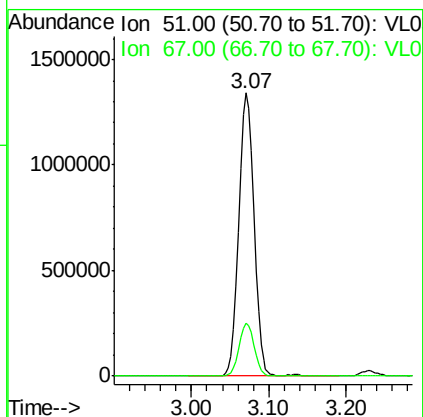
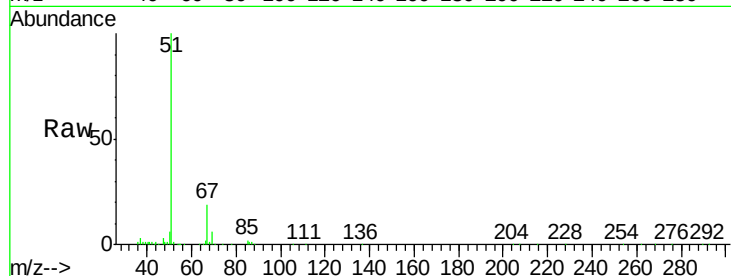
67 18.7 13.2 19.8

Manual Integrations

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#4

Chloromethane

Concen: 9.42 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032154.D

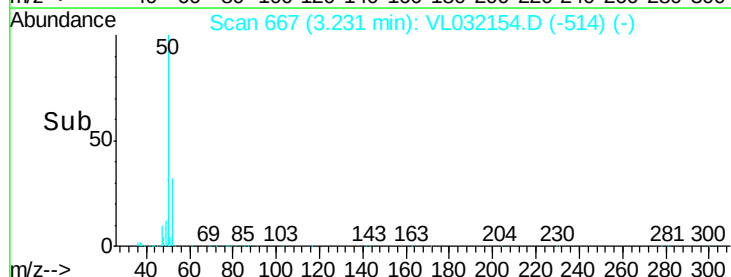
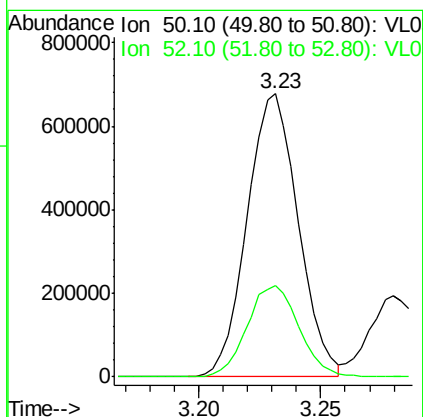
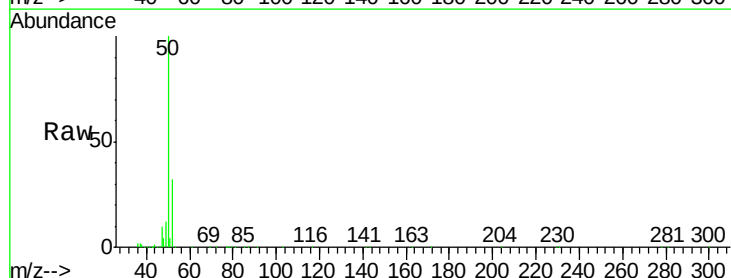
Acq: 30 Jun 2018 3:57

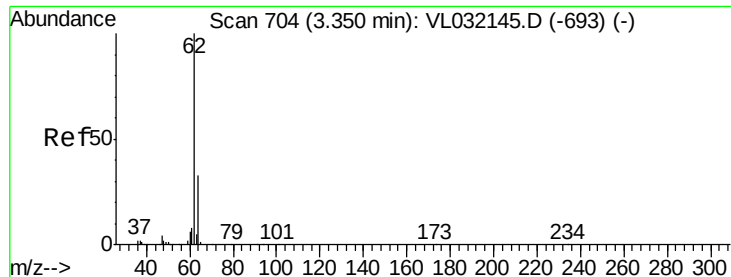
Tgt Ion: 50 Resp: 981301

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0





#5

Vinyl Chloride

Concen: 9.51 ppbv

RT: 3.35 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 62 Resp: 1000458

Ion Ratio Lower Upper

62 100

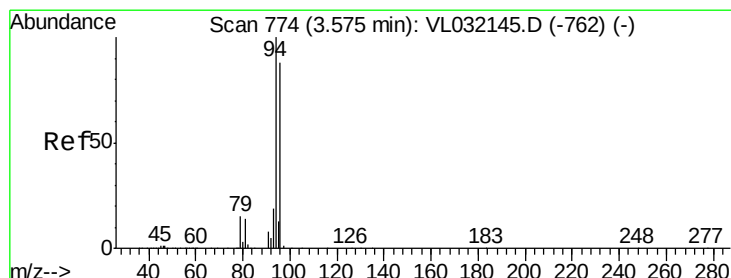
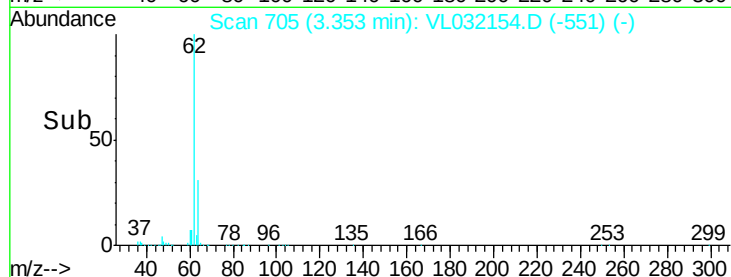
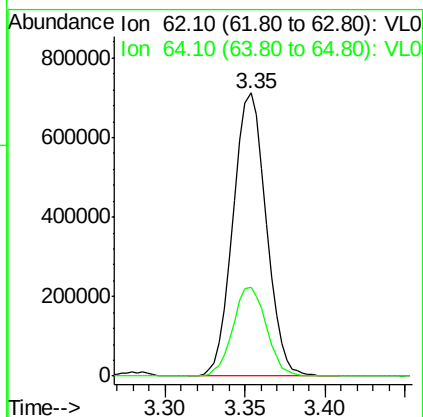
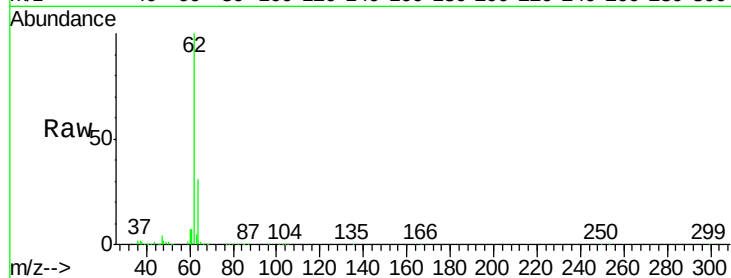
64 31.3 26.1 39.1

Manual Integrations

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#6

Bromomethane

Concen: 9.37 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032154.D

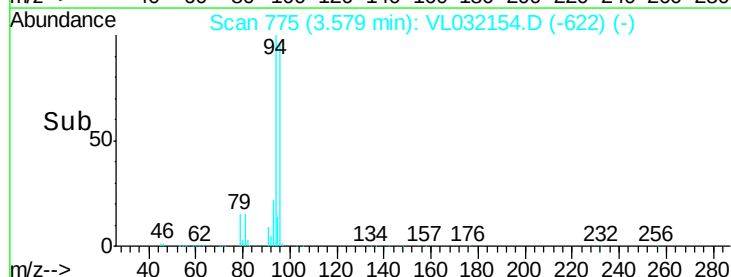
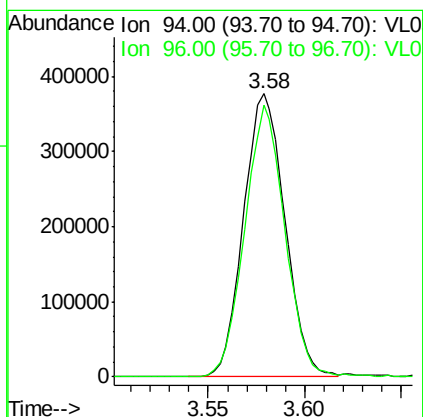
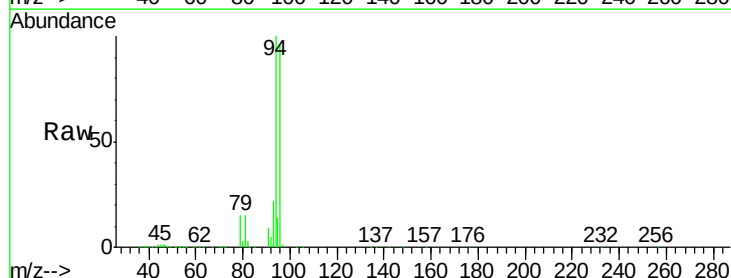
Acq: 30 Jun 2018 3:57

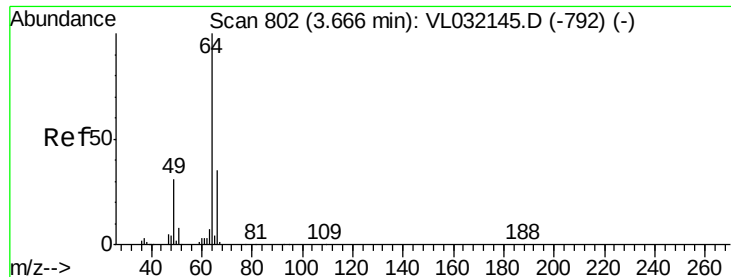
Tgt Ion: 94 Resp: 561506

Ion Ratio Lower Upper

94 100

96 95.9 74.7 112.1





#7

Chloroethane

Concen: 9.41 ppbv

RT: 3.67 min Scan# 803

Delta R.T. -0.00 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 64 Resp: 350086

Ion Ratio Lower Upper

64 100

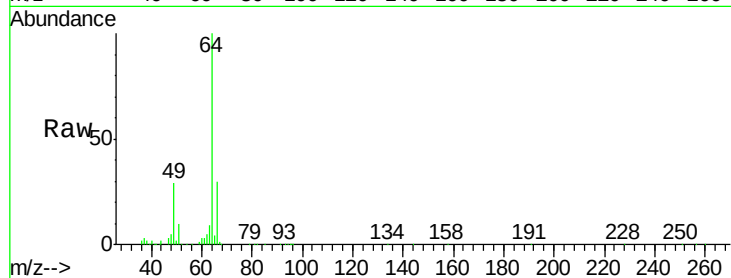
66 30.3 26.9 40.3

Manual Integrations

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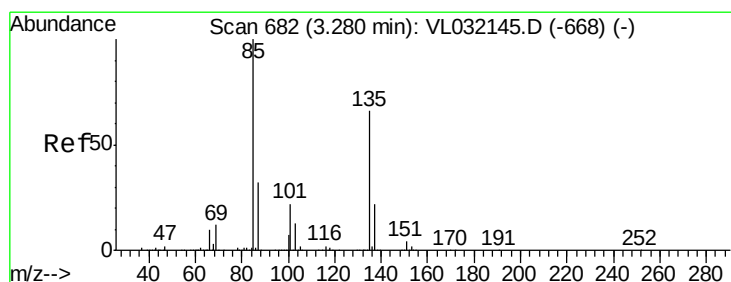
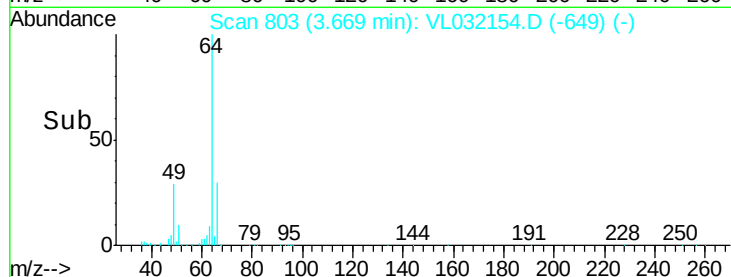
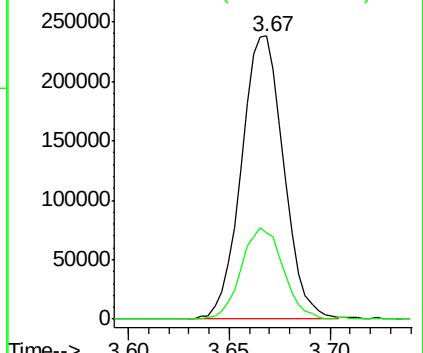
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.13 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032154.D

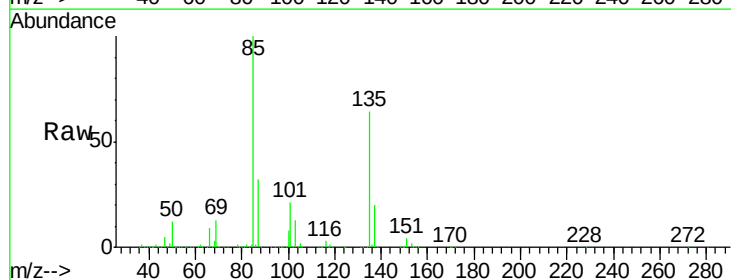
Acq: 30 Jun 2018 3:57

Tgt Ion: 85 Resp: 2141602

Ion Ratio Lower Upper

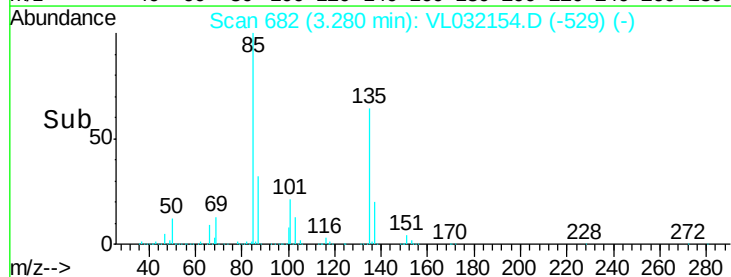
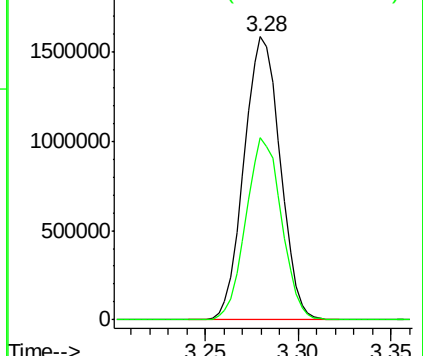
85 100

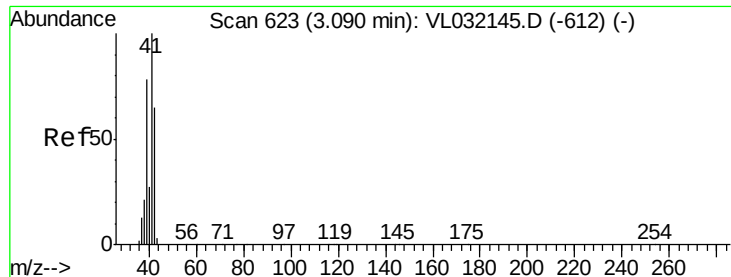
135 63.8 54.6 82.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.05 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

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ClientSampleId :

VL0629ABS01

Tot Ion: 41 Resp: 823131

Ion Ratio Lower Upper

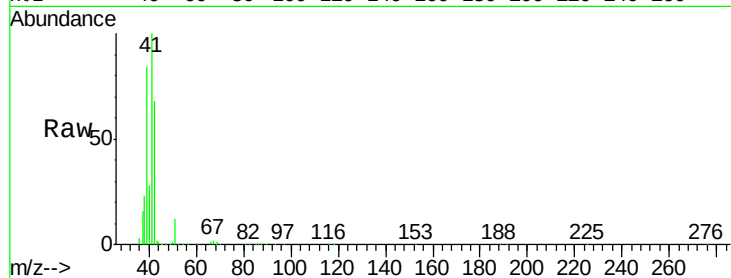
41 100

42 69.0 56.2 84.4

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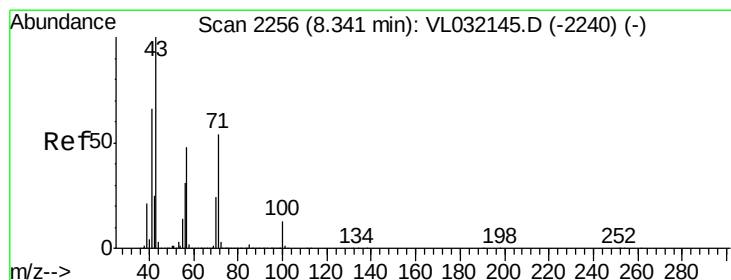
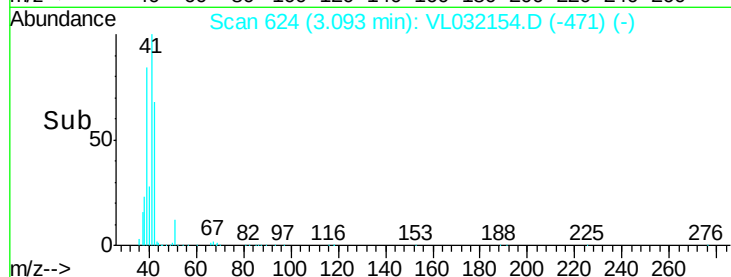
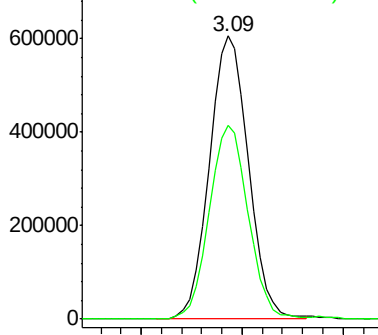
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.34 ppbv

RT: 8.34 min Scan# 2257

Delta R.T. -0.01 min

Lab File: VL032154.D

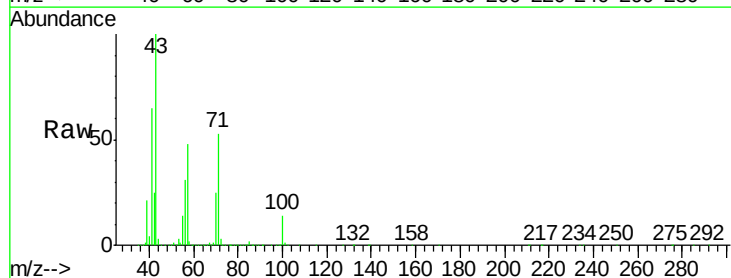
Acq: 30 Jun 2018 3:57

Tgt Ion: 43 Resp: 2476661

Ion Ratio Lower Upper

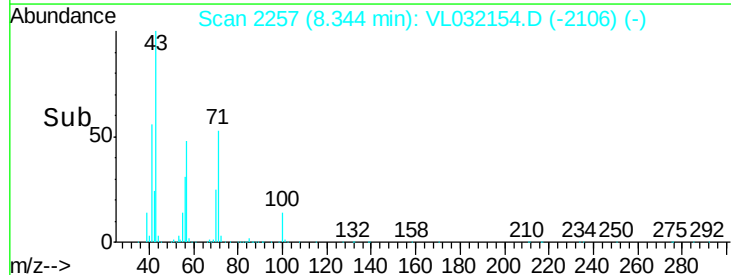
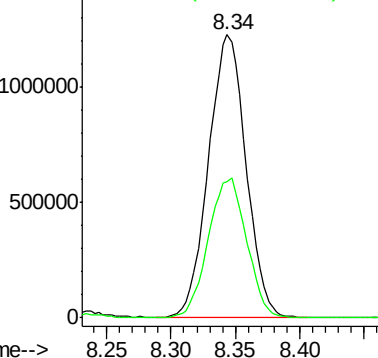
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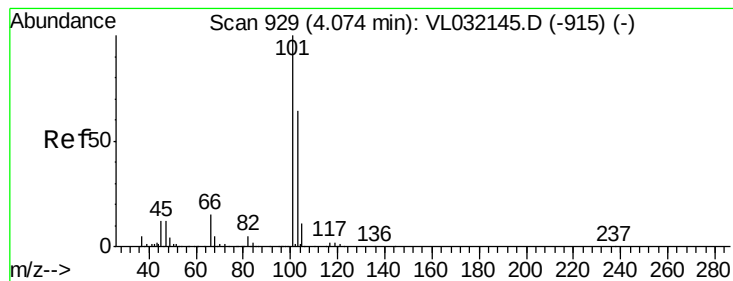
57 50.6 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.63 ppbv

RT: 4.07 min Scan# 929

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:101 Resp: 2189620

Ion Ratio Lower Upper

101 100

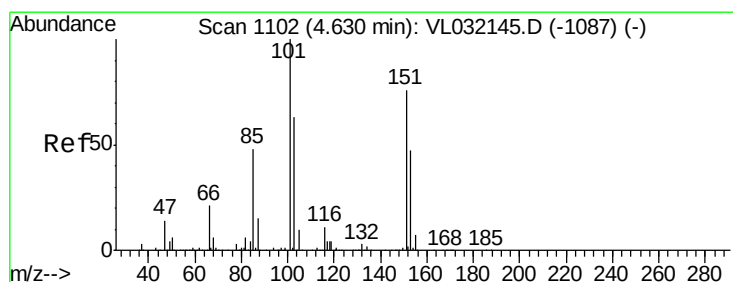
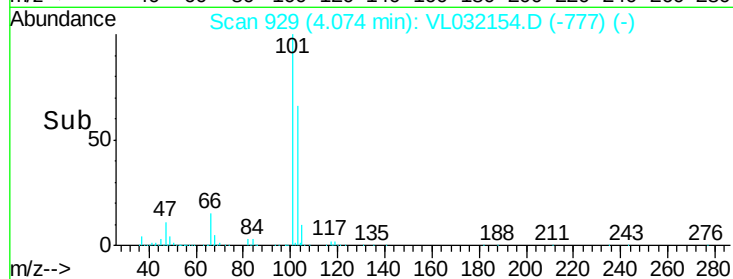
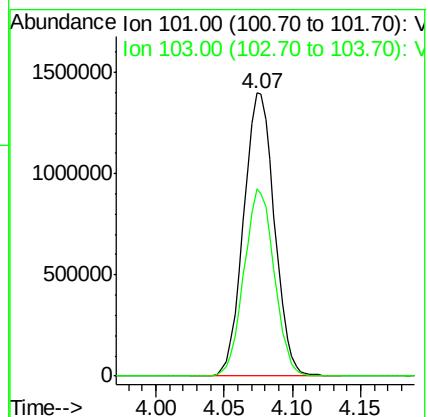
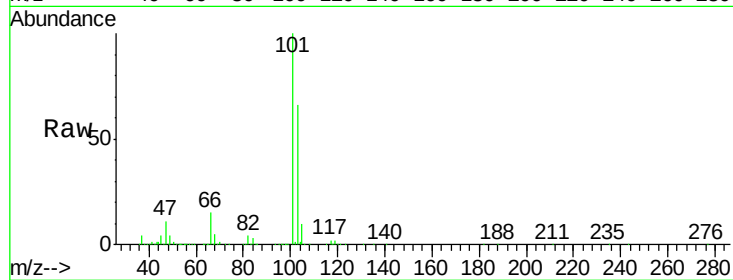
103 66.1 51.4 77.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.11 ppbv

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032154.D

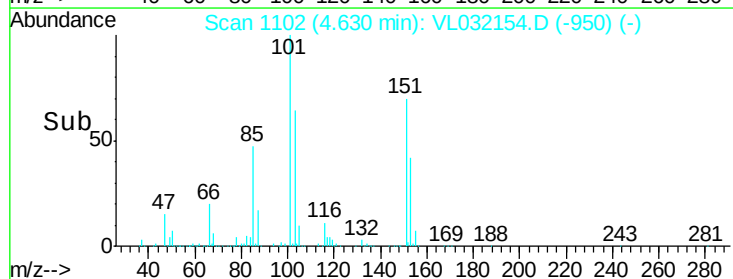
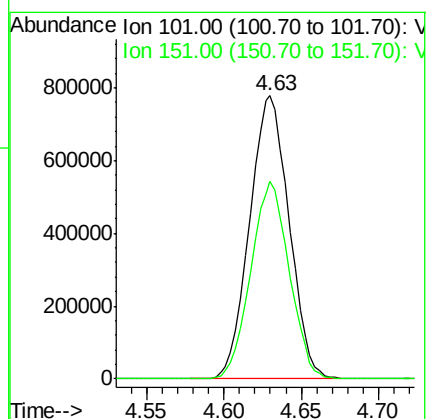
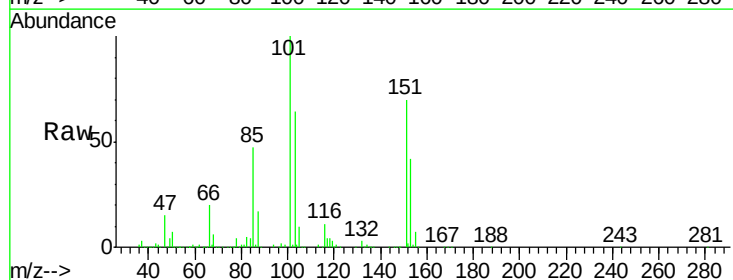
Acq: 30 Jun 2018 3:57

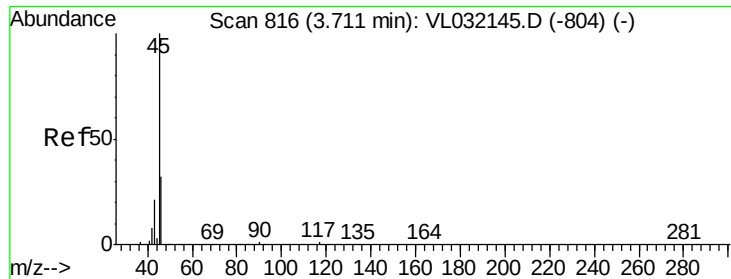
Tgt Ion:101 Resp: 1380425

Ion Ratio Lower Upper

101 100

151 68.4 58.8 88.2





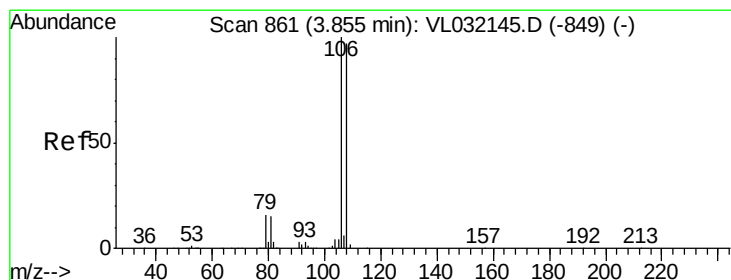
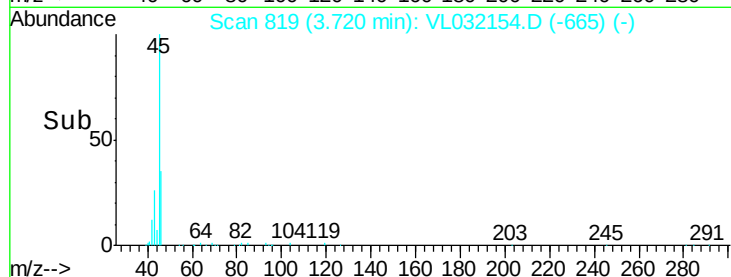
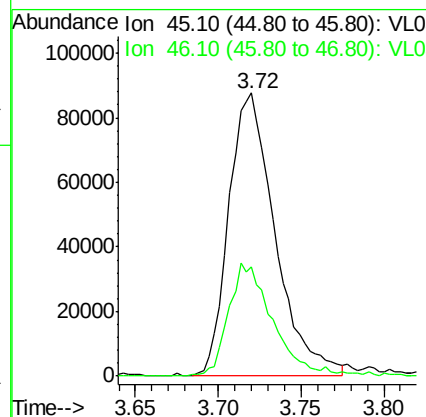
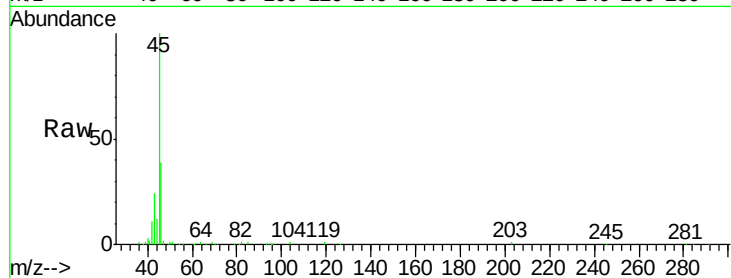
#13
Ethanol
Concen: 6.19 ppbv
RT: 3.72 min Scan# 819
Delta R.T. -0.00 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 45 Resp: 170621
Ion Ratio Lower Upper
45 100
46 38.6 14.6 58.4

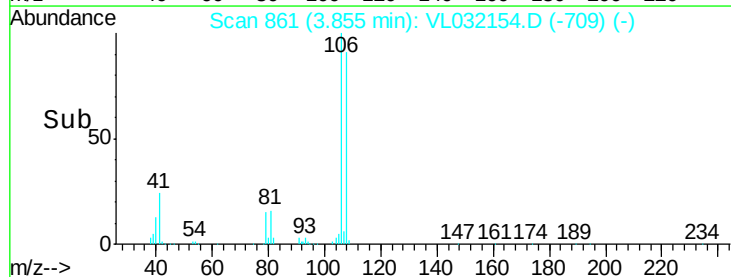
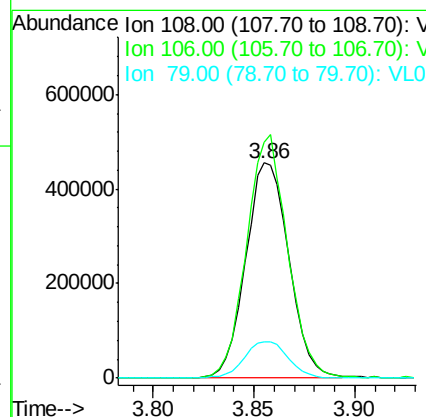
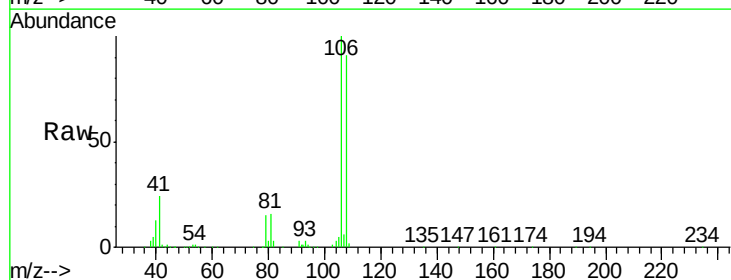
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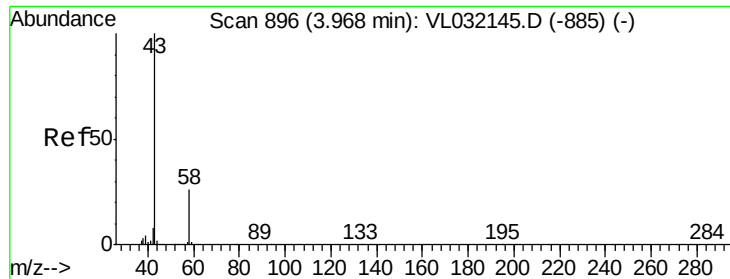
MMDadoda
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#14
Bromoethene
Concen: 9.49 ppbv
RT: 3.86 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 108 Resp: 683770
Ion Ratio Lower Upper
108 100
106 108.3 86.3 129.5
79 17.4 12.7 19.1





#15

Acetone

Concen: 8.98 ppbv

RT: 3.97 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 43 Resp: 1676243

Ion Ratio Lower Upper

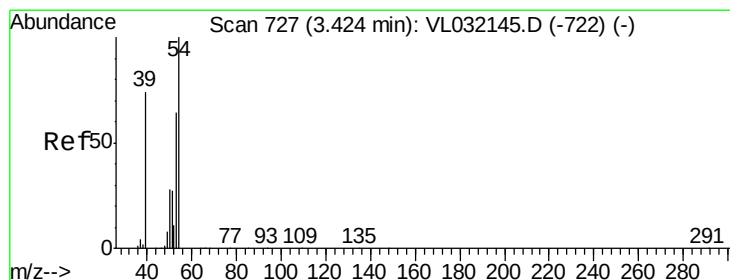
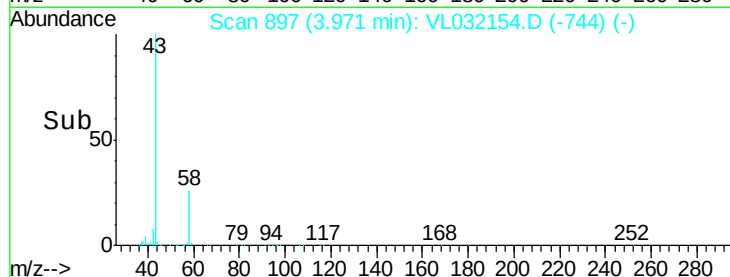
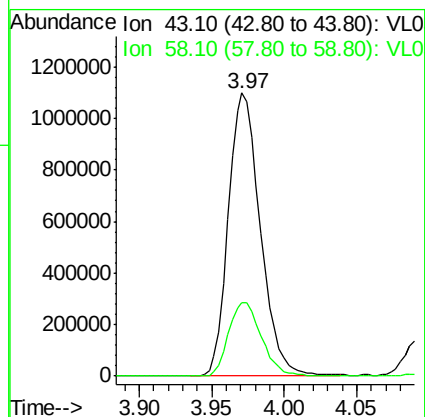
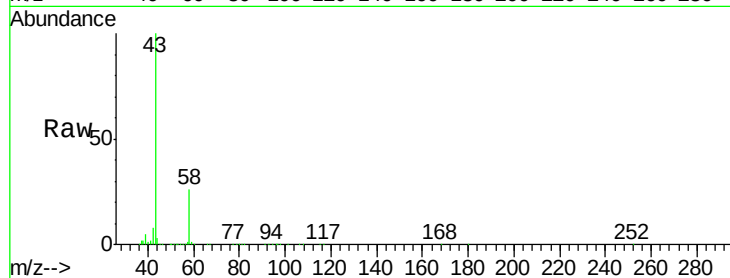
43 100

58 26.8 21.4 32.0

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#16

1,3-Butadiene

Concen: 10.51 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032154.D

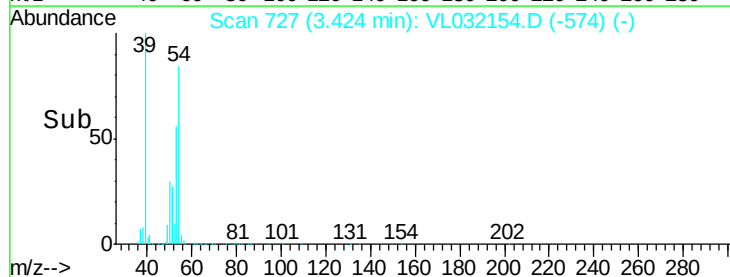
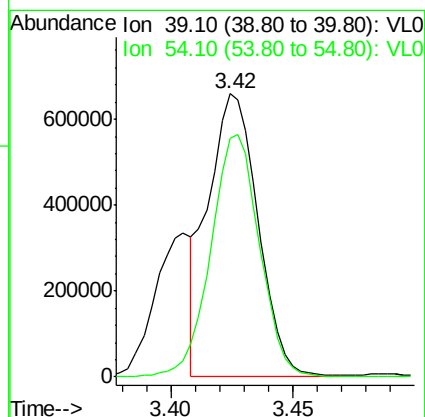
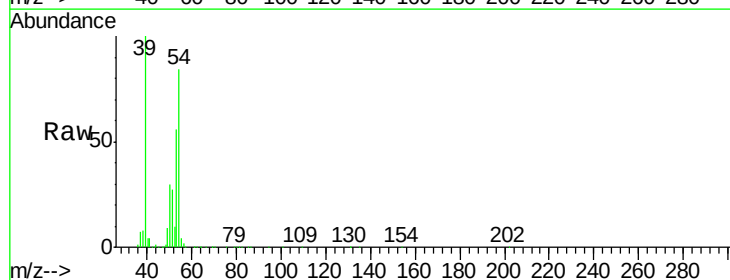
Acq: 30 Jun 2018 3:57

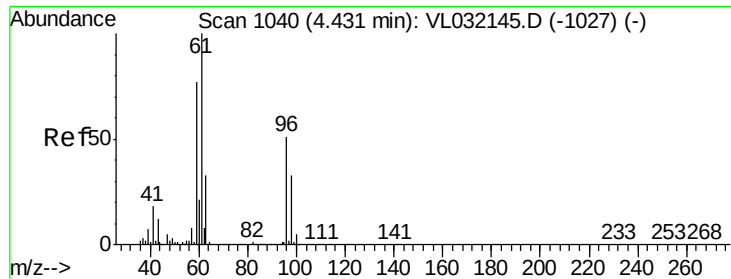
Tgt Ion: 39 Resp: 936535

Ion Ratio Lower Upper

39 100

54 84.5 75.8 113.6





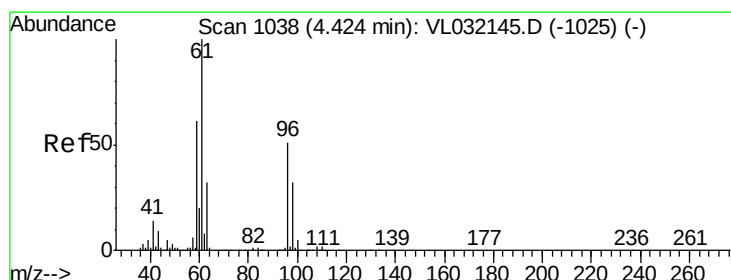
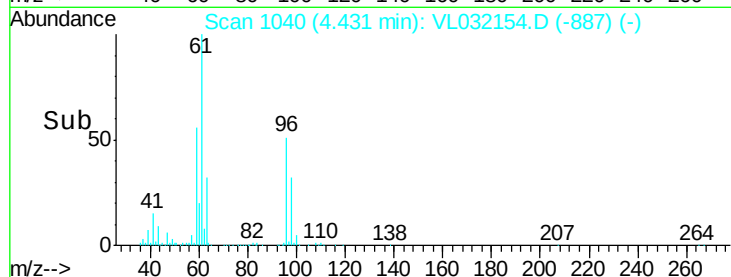
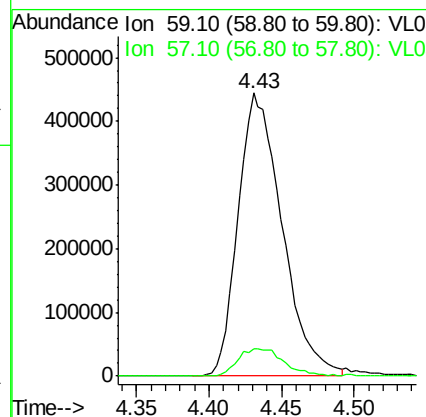
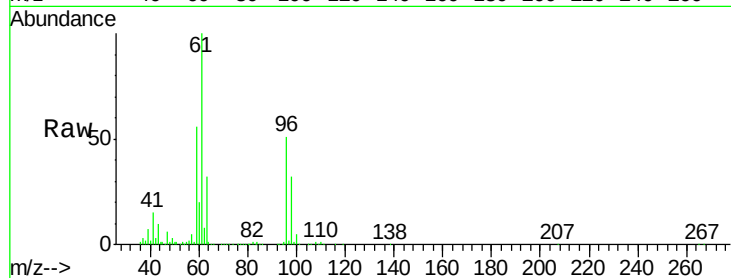
#17
tert-Butyl alcohol
Concen: 7.87 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleID :
VL0629ABS01

Tot Ion: 59 Resp: 936032
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

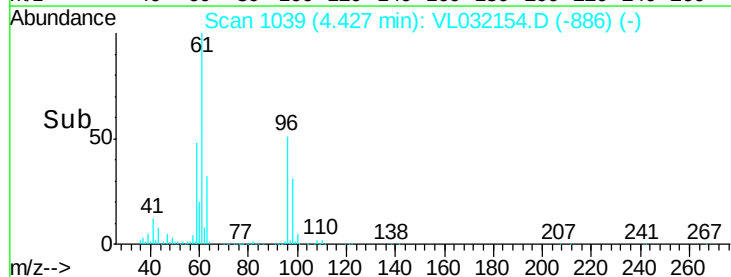
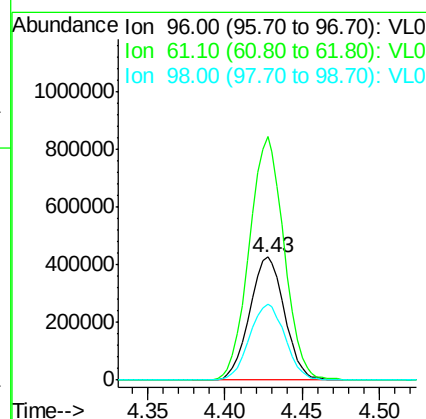
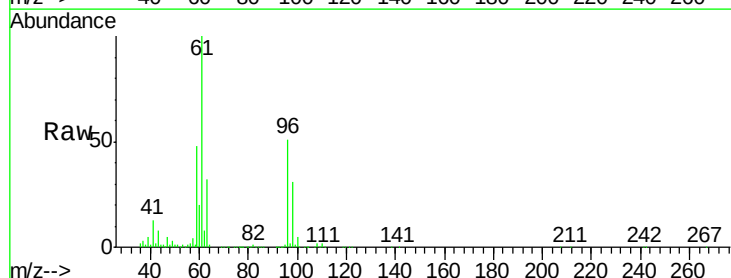
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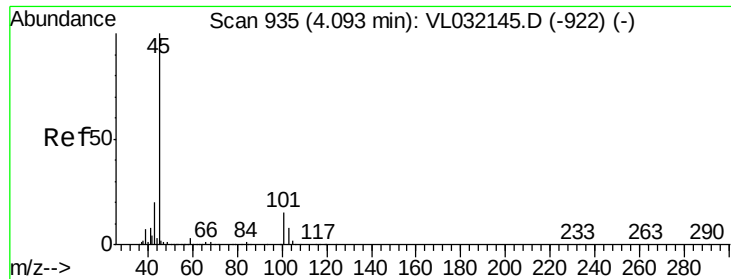
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.26 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 96 Resp: 670797
Ion Ratio Lower Upper
96 100
61 197.6 154.1 231.1
98 61.9 50.3 75.5





#19

Isopropyl Alcohol

Concen: 7.80 ppbv

RT: 4.10 min Scan# 936

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 45 Resp: 1210556

Ion Ratio Lower Upper

45 100

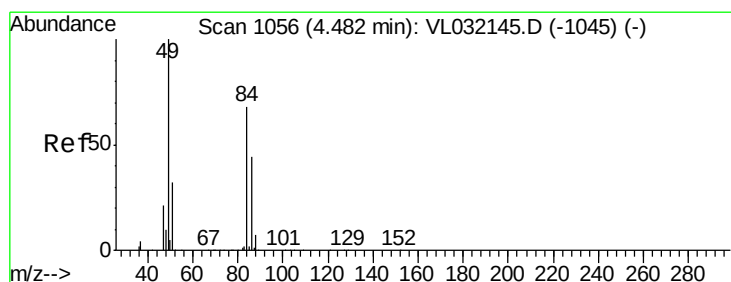
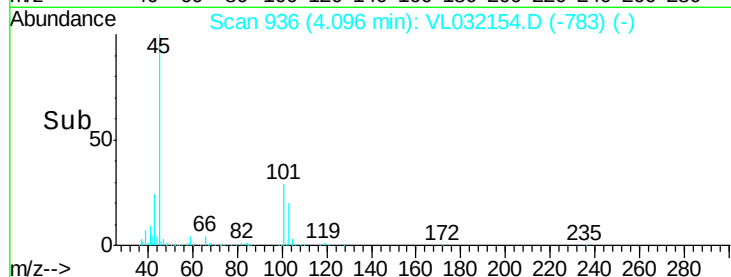
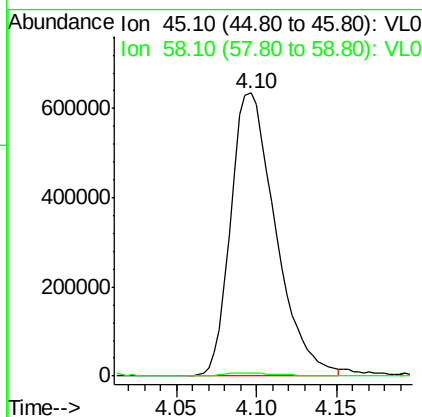
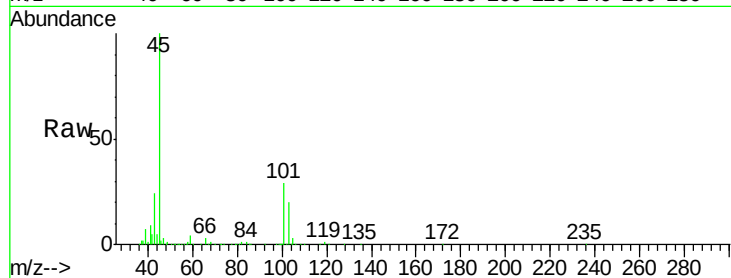
58 1.5 29.4 44.0#

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7/2/2018 4:25:19 PM



#20

Methylene Chloride

Concen: 8.54 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Tgt Ion: 84 Resp: 582644

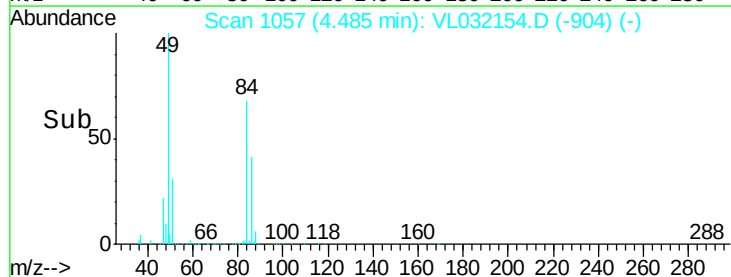
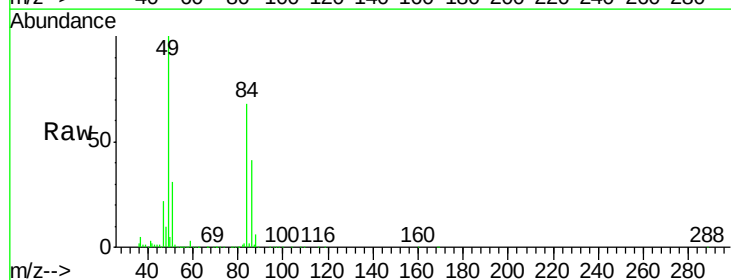
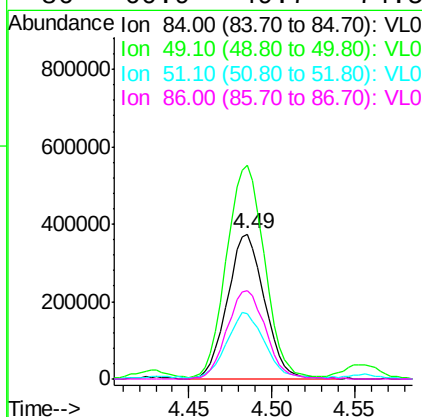
Ion Ratio Lower Upper

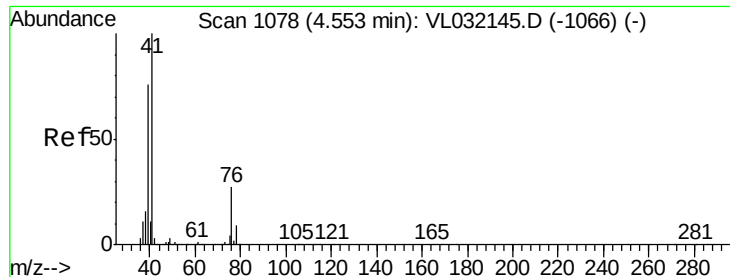
84 100

49 147.1 119.6 179.4

51 44.8 36.3 54.5

86 60.9 49.7 74.5





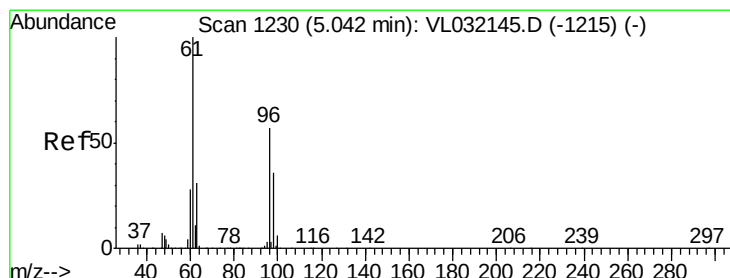
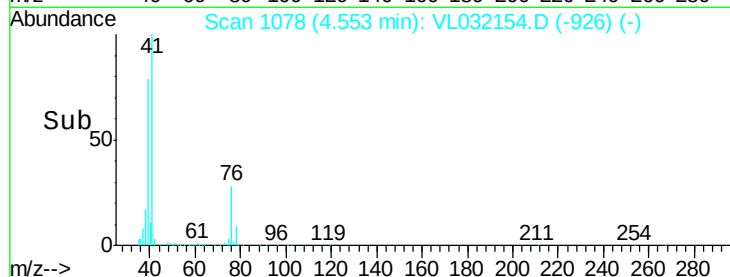
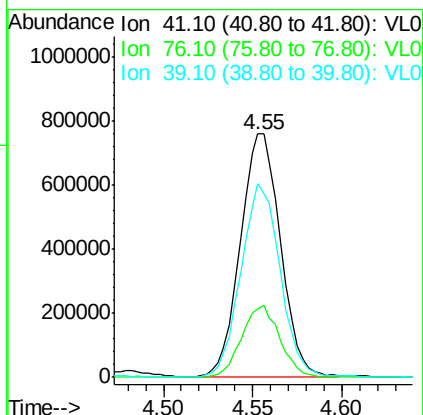
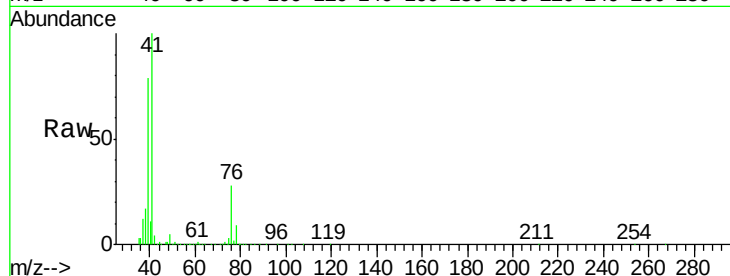
#21
Allvl Chloride
Concen: 9.24 ppbv
RT: 4.55 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.5	33.7
39	78.5	60.5	90.7

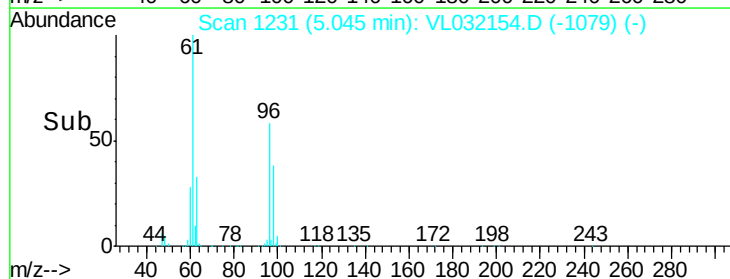
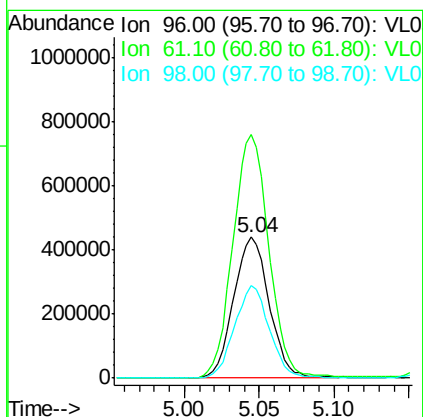
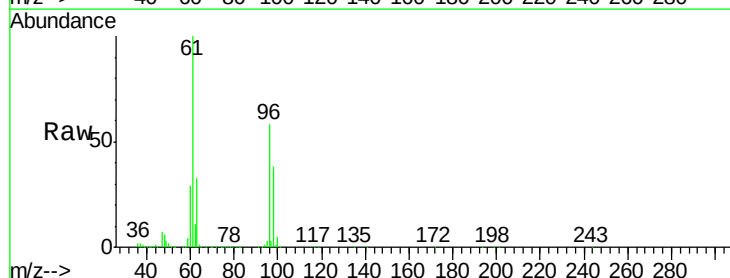
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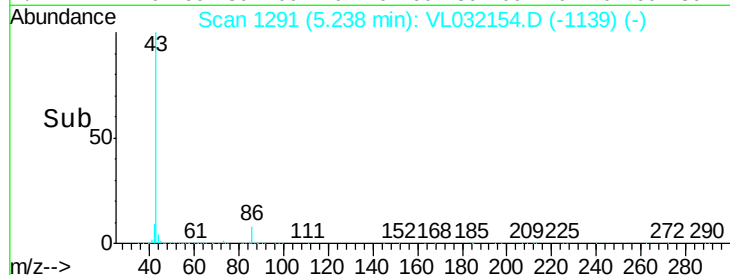
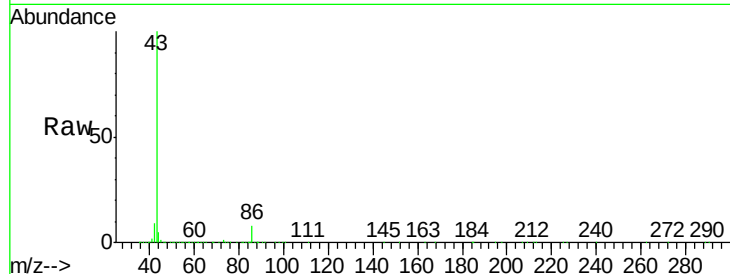
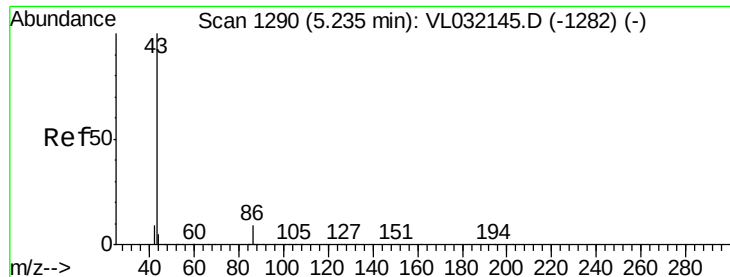
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#22
trans-1,2-Dichloroethene
Concen: 9.58 ppbv
RT: 5.04 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	135.2	202.8
98	65.8	49.7	74.5





#23

Vinyl Acetate

Concen: 10.06 ppbv

RT: 5.24 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Tot Ion: 43 Resp: 3404832

Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.4

42 9.2 6.9 10.3

44 4.8 3.8 5.8

Instrument :

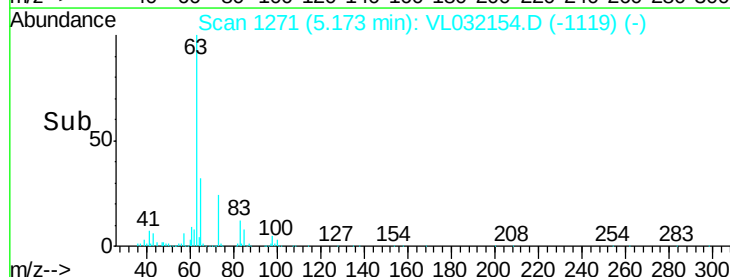
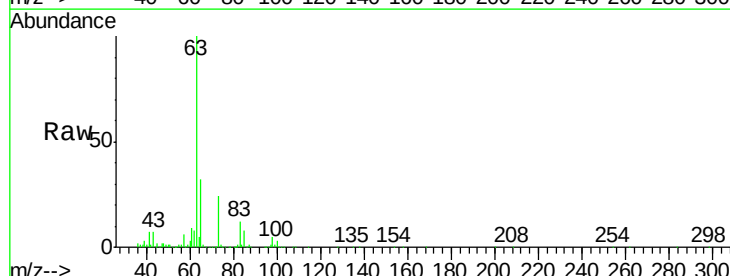
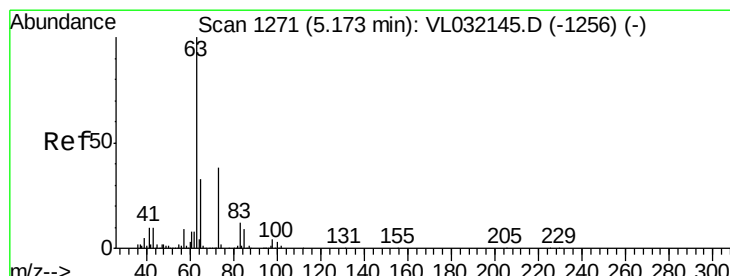
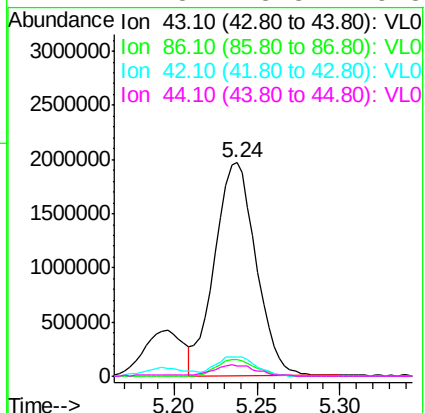
MSVOA_L

ClientSampleId :

VL0629ABS01

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#24

1,1-Dichloroethane

Concen: 10.11 ppbv

RT: 5.17 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

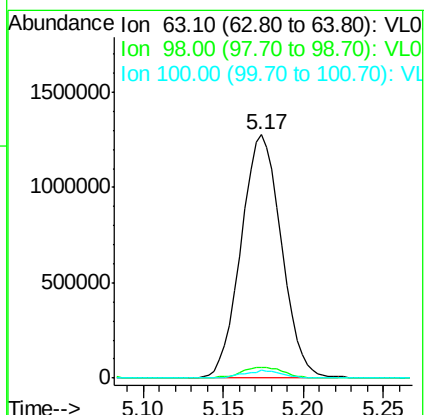
Tgt Ion: 63 Resp: 2193275

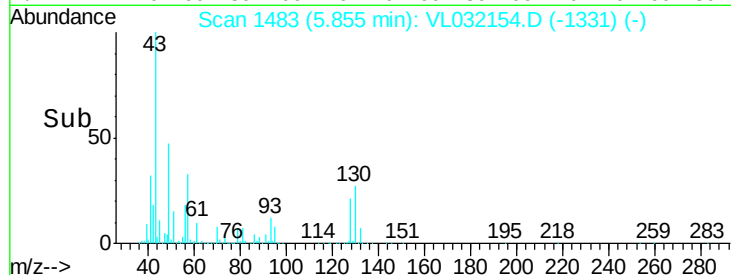
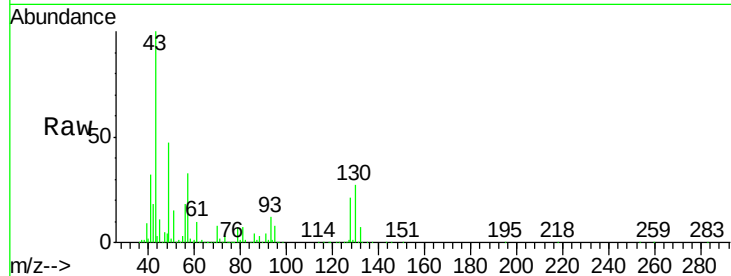
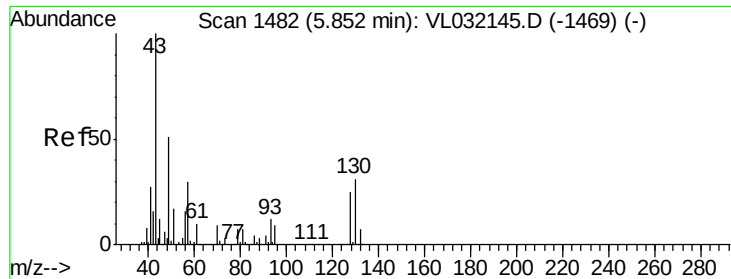
Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

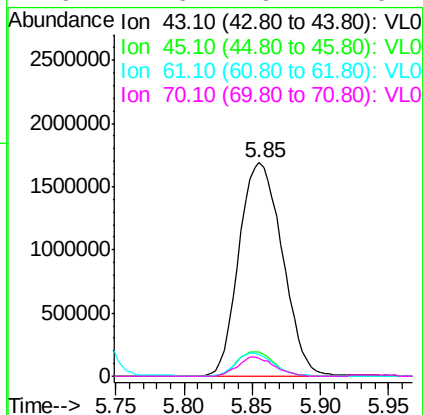
100 3.3 1.7 5.0





#25
Ethyl Acetate
Concen: 9.66 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

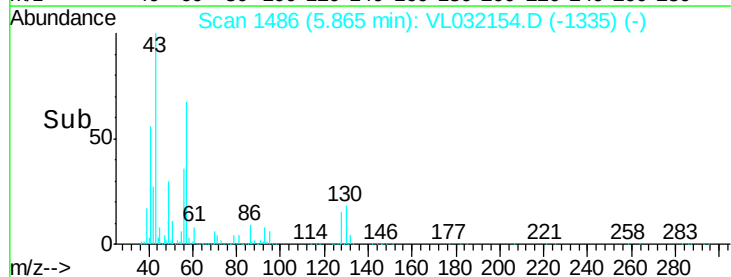
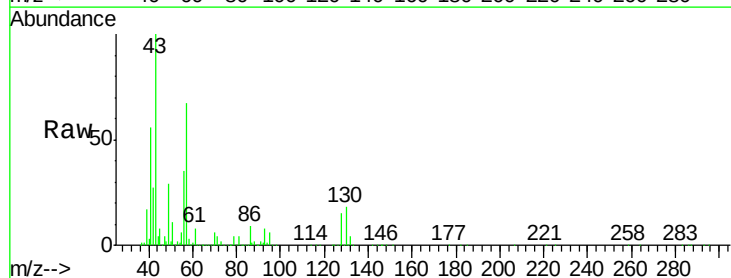
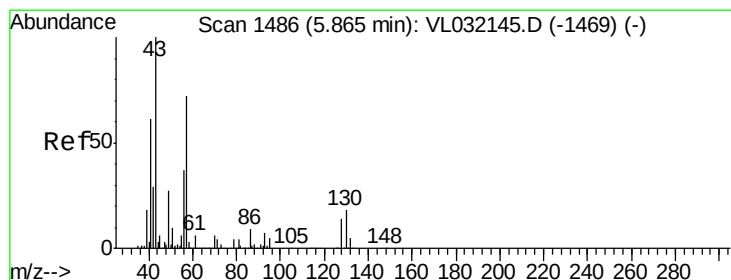
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	7.8	11.8	
61	9.6	7.4	11.0	
70	7.6	6.1	9.1	



Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

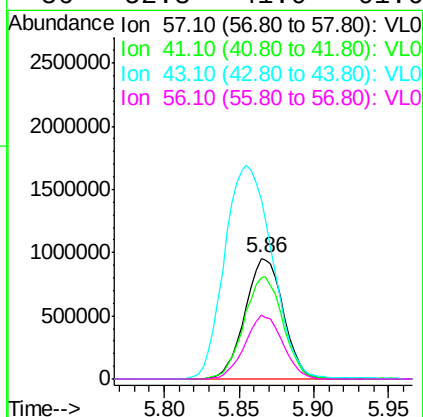
Manual Integrations
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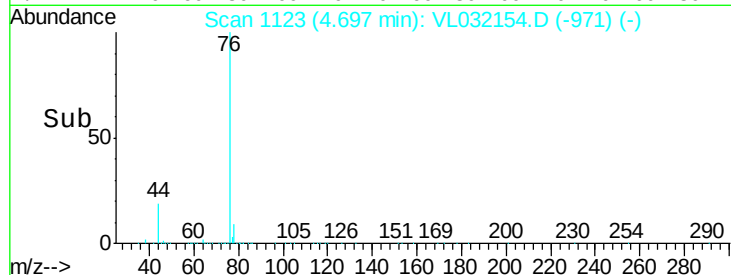
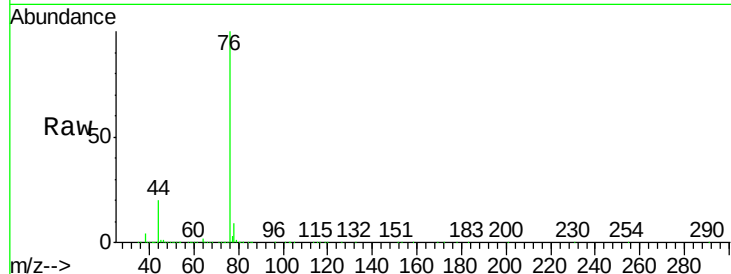
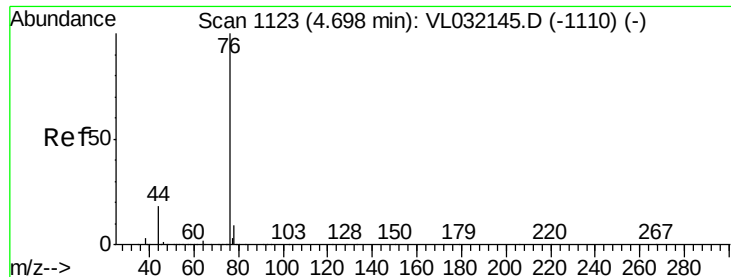
MMDadoda
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#26
Hexane
Concen: 9.58 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.0	68.6	103.0	
43	220.4	168.6	252.8	
56	52.3	41.0	61.6	





#27

Carbon Disulfide

Concen: 9.42 ppbv

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Tot Ion: 76 Resp: 1664906

Ion Ratio Lower Upper

76 100

44 18.9 15.1 22.7

78 9.7 7.2 10.8

Instrument :

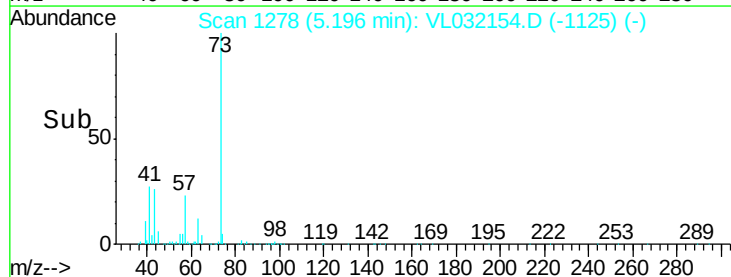
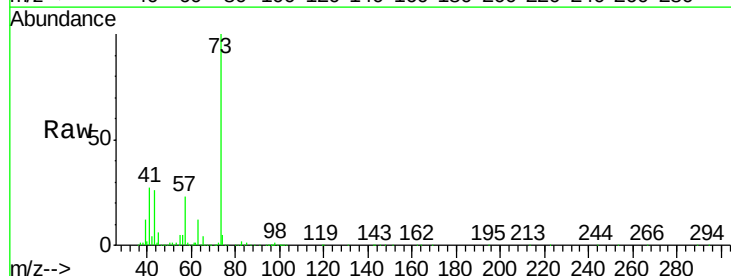
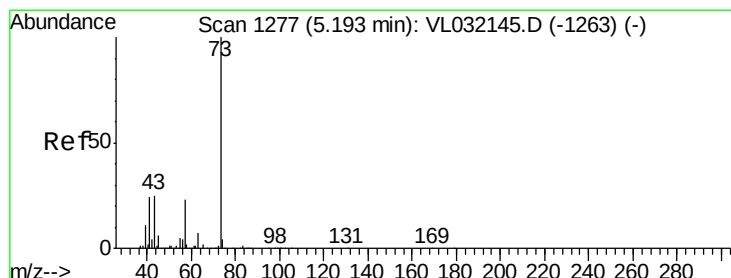
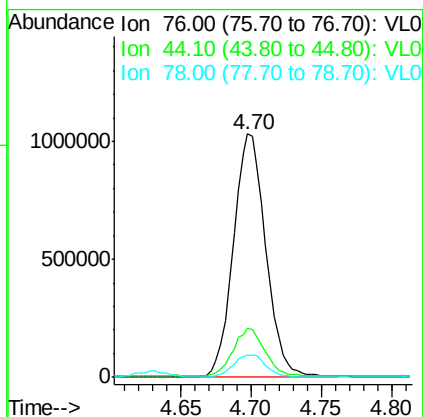
MSVOA_L

ClientSampleId :

VL0629ABS01

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#28

Methyl tert-Butyl Ether

Concen: 9.88 ppbv

RT: 5.20 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL032154.D

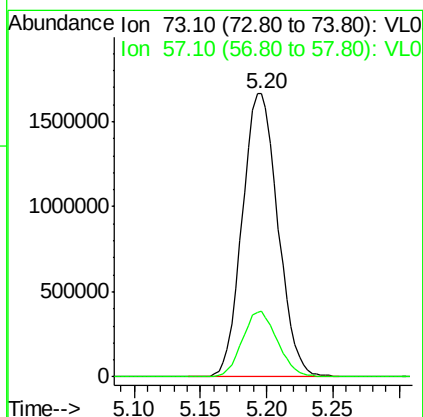
Acq: 30 Jun 2018 3:57

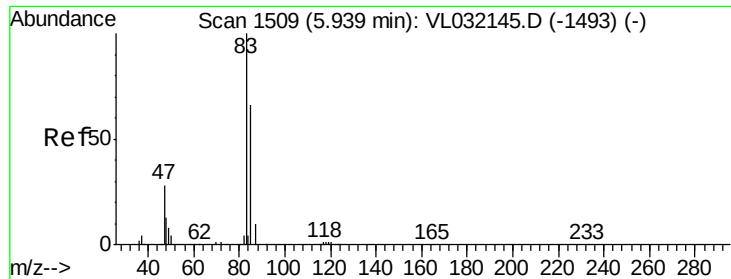
Tgt Ion: 73 Resp: 3107279

Ion Ratio Lower Upper

73 100

57 23.0 18.6 27.8





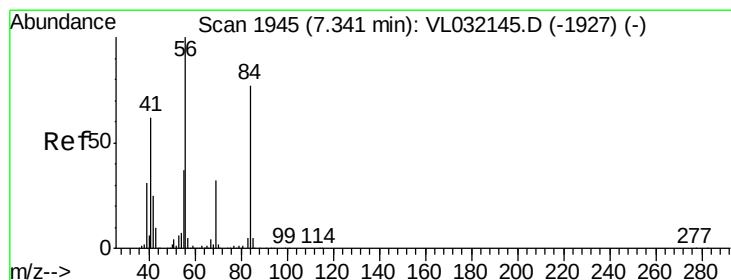
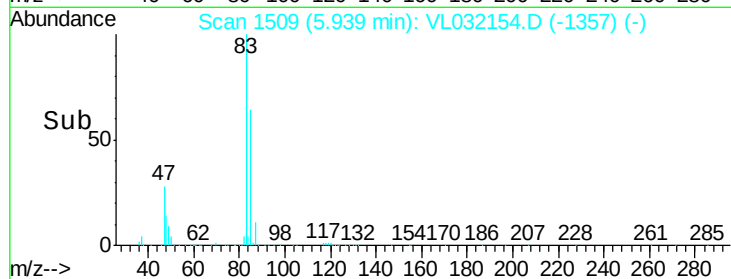
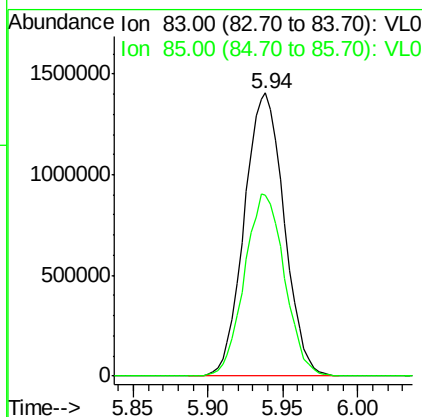
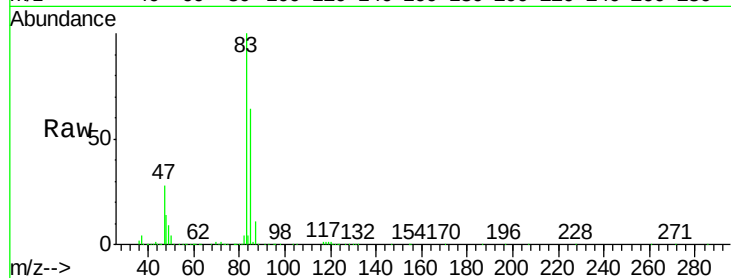
#29
Chloroform
Concen: 10.07 ppbv
RT: 5.94 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 83 Resp: 2606944
Ion Ratio Lower Upper
83 100
85 63.8 51.6 77.4

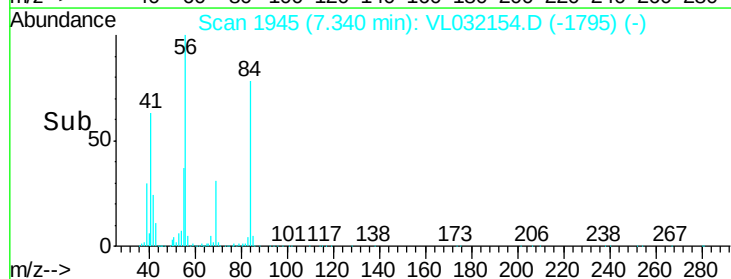
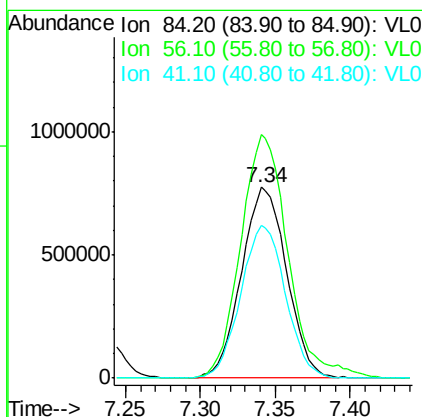
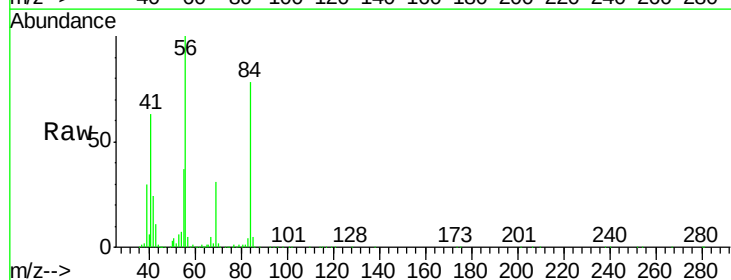
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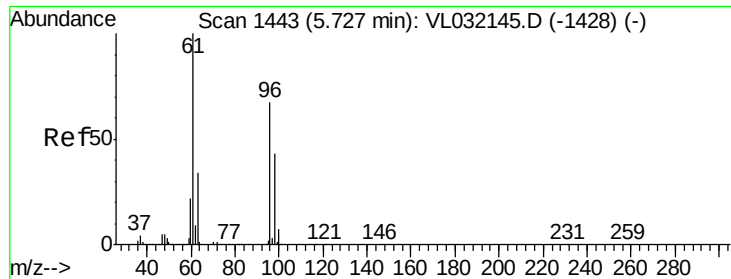
MMDadoda
7/2/2018 4:25:19 PM



#30
Cyclohexane
Concen: 9.69 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 84 Resp: 1624696
Ion Ratio Lower Upper
84 100
56 134.0 109.1 163.7
41 79.5 64.6 96.8





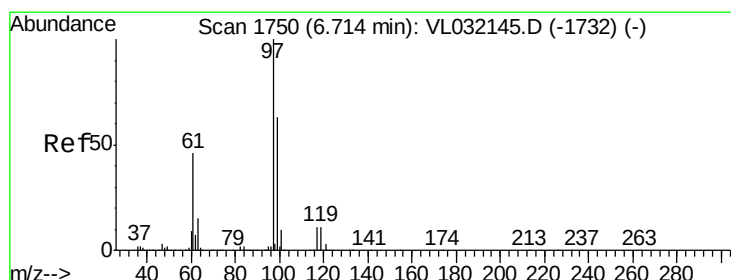
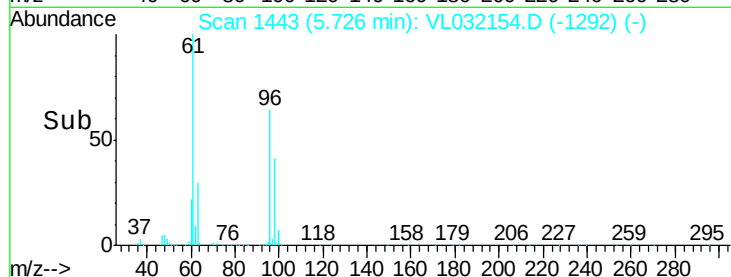
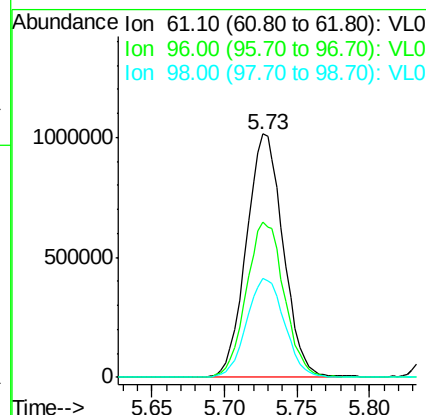
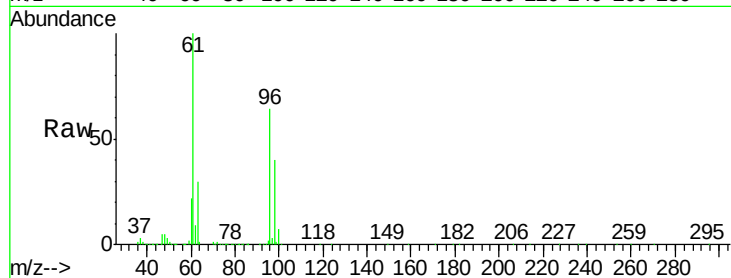
#31
 cis-1,2-Dichloroethene
 Concen: 10.07 ppbv
 RT: 5.73 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.9	54.2	81.4
98	40.5	34.6	52.0

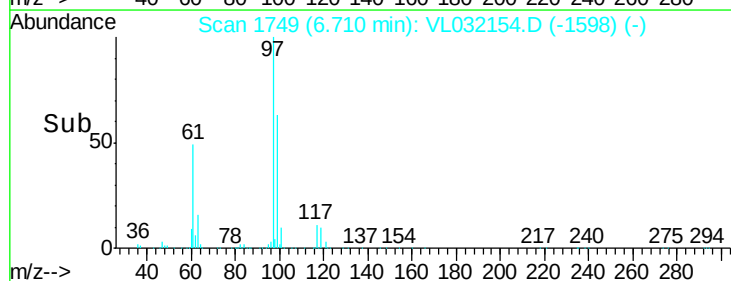
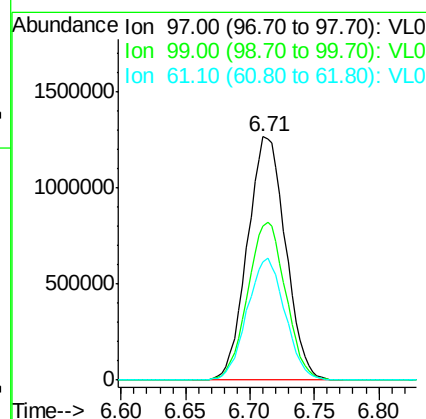
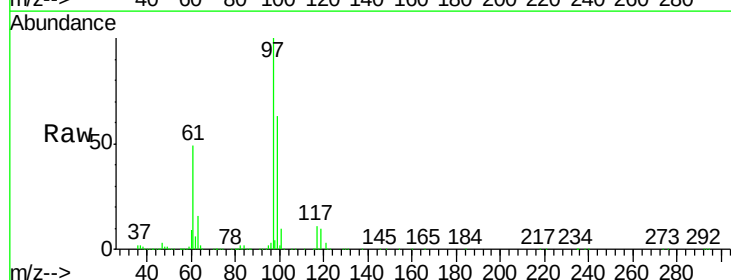
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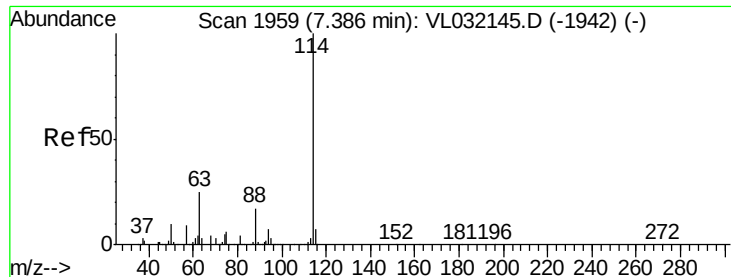
MMDadoda
 7/2/2018 4:25:19 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.62 ppbv
 RT: 6.71 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	49.9	38.4	57.6





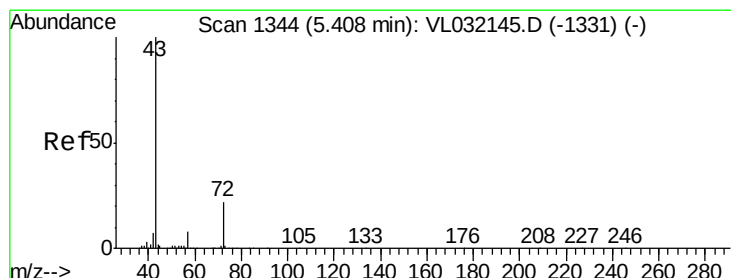
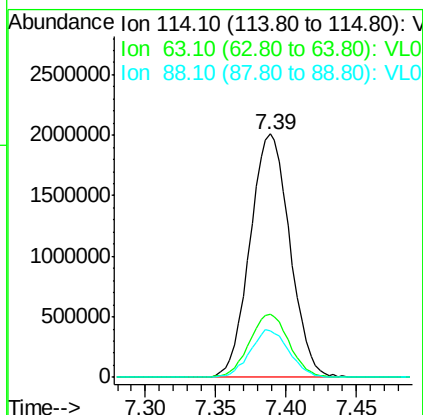
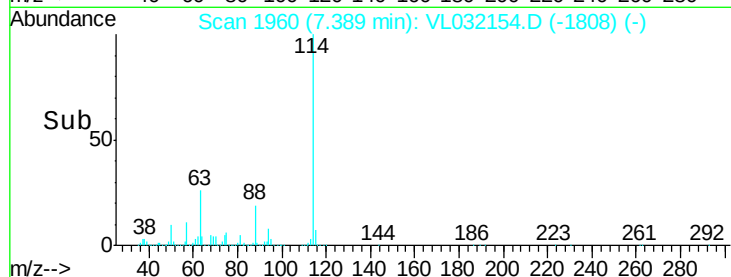
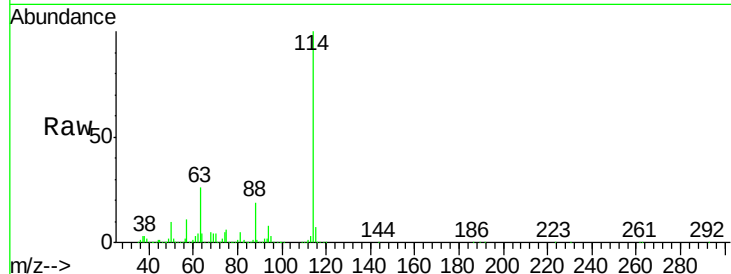
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.39 min Scan# 1960
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	19.1	28.7
88	19.0	13.9	20.9

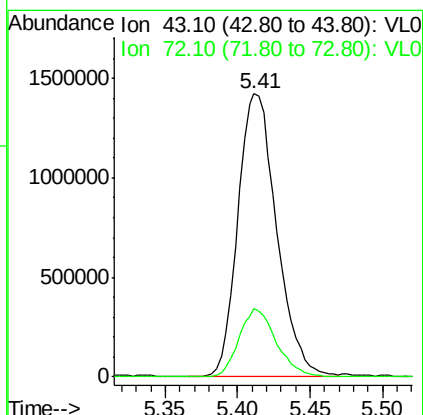
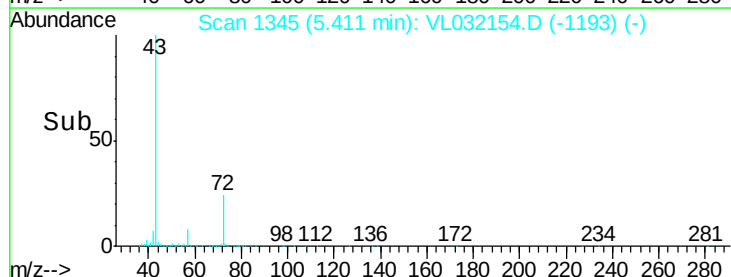
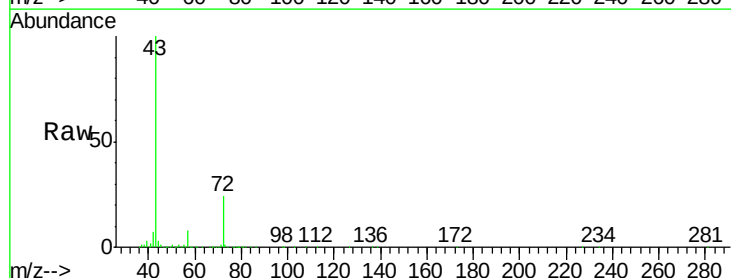
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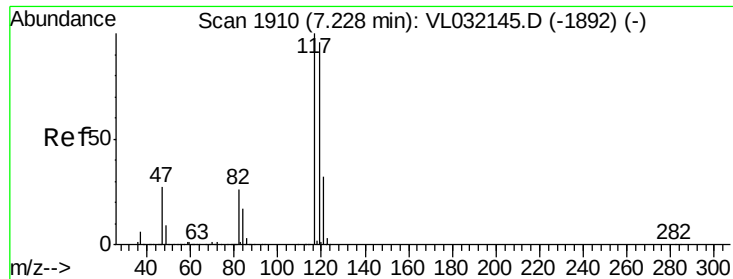
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#34
 2-Butanone
 Concen: 10.44 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6





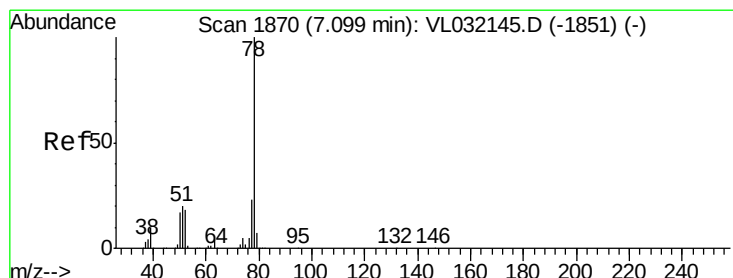
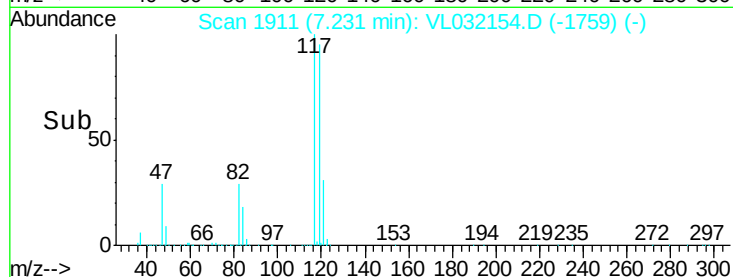
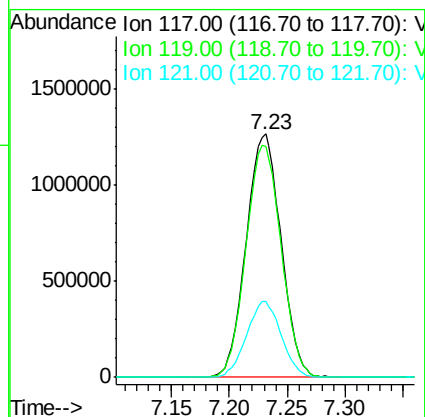
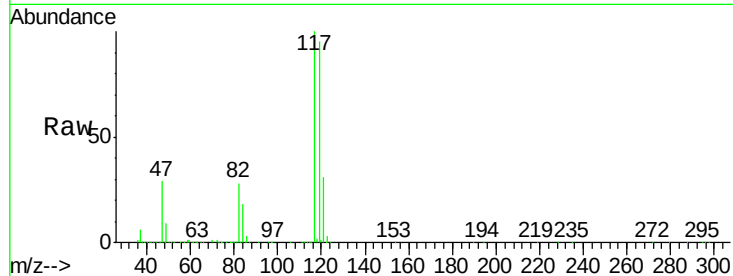
#35
Carbon Tetrachloride
Concen: 9.79 ppbv
RT: 7.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion:117 Resp: 2660454
Ion Ratio Lower Upper
117 100
119 94.8 74.8 112.2
121 31.1 24.0 36.0

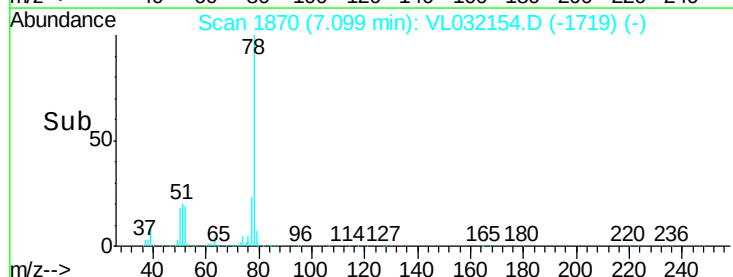
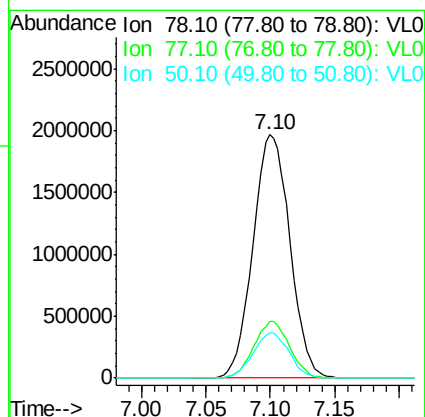
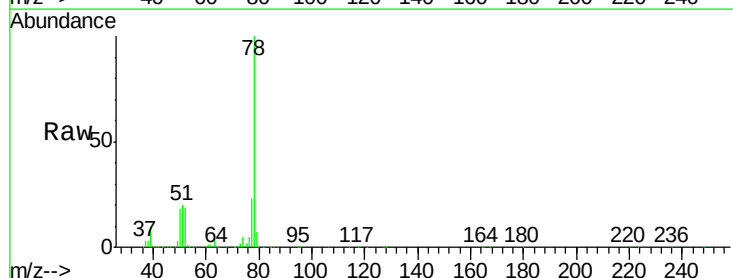
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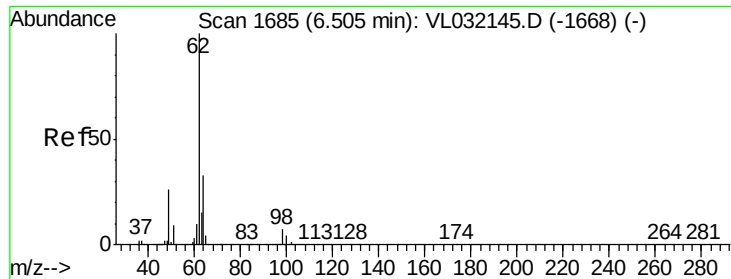
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#36
Benzene
Concen: 10.20 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 78 Resp: 3919643
Ion Ratio Lower Upper
78 100
77 23.1 17.7 26.5
50 18.4 14.0 21.0





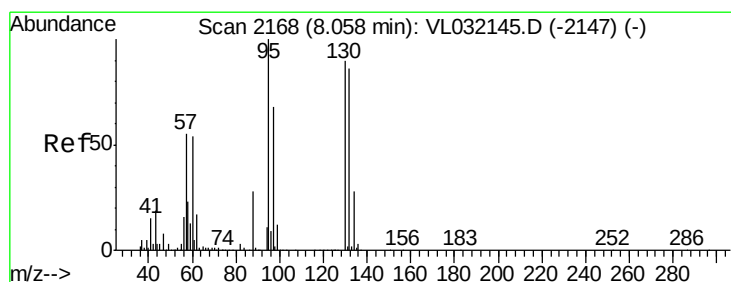
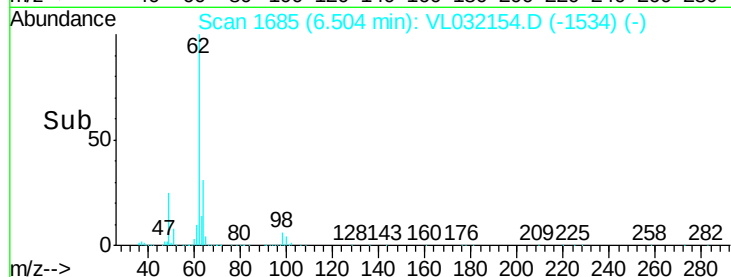
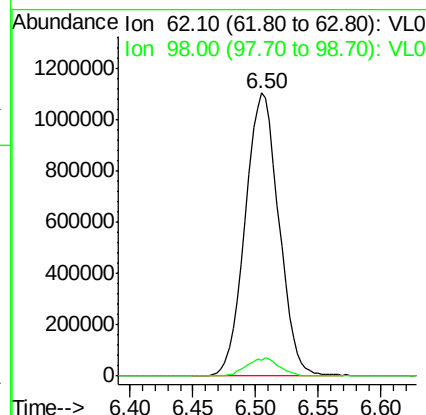
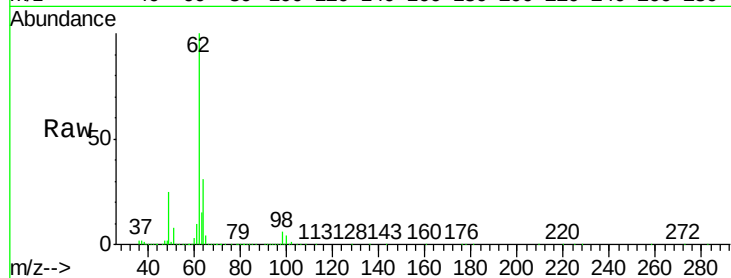
#37
 1,2-Dichloroethane
 Concen: 10.78 ppbv
 RT: 6.50 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.8	8.6

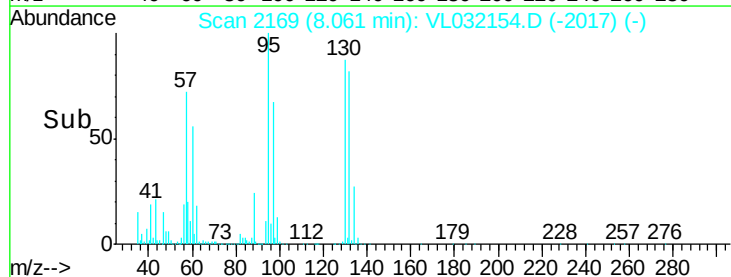
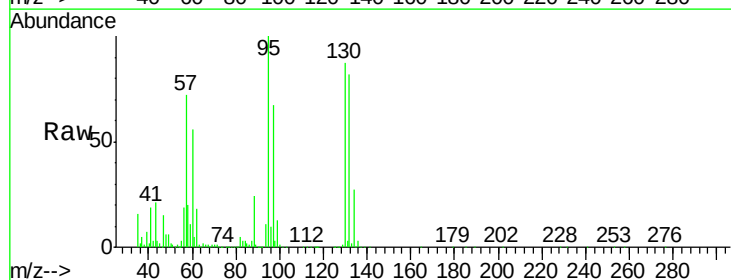
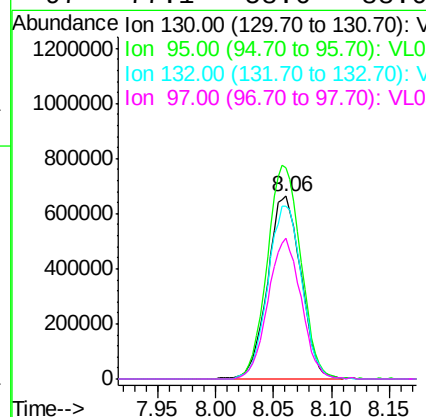
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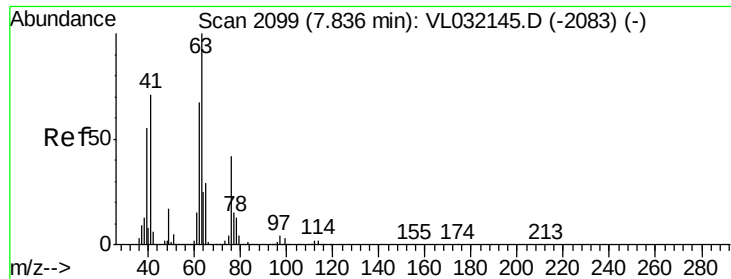
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 7/2/2018 4:25:19 PM



#38
 Trichloroethene
 Concen: 8.83 ppbv
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.5	88.1	132.1
132	94.7	74.6	112.0
97	77.1	58.6	88.0





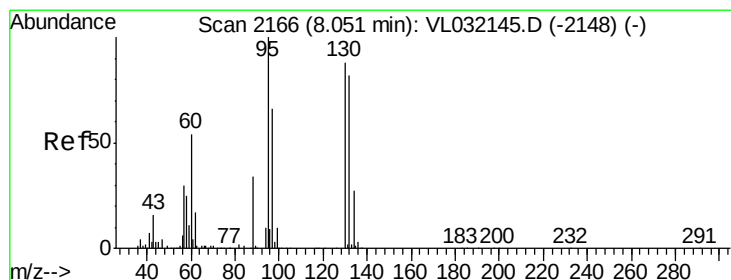
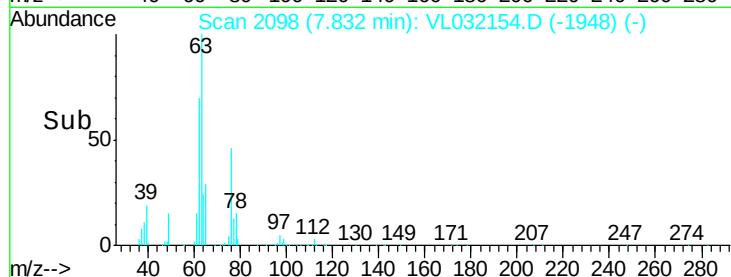
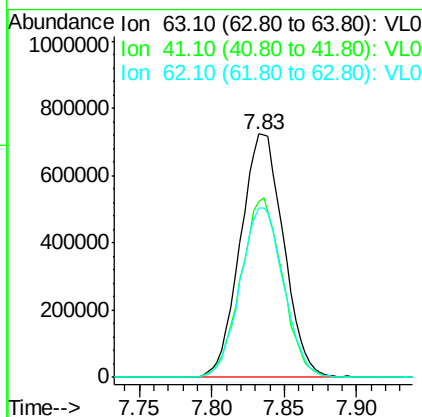
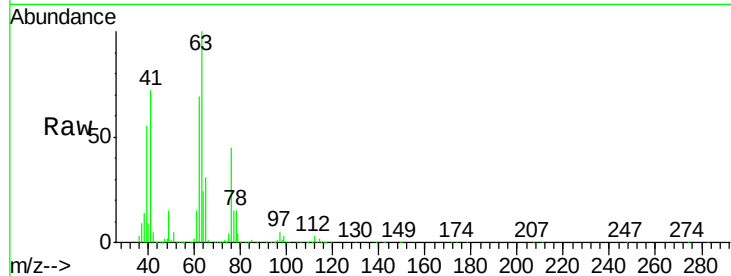
#39
 1,2-Dichloropropane
 Concen: 9.92 ppbv
 RT: 7.83 min Scan# 2098
 Delta R.T. -0.02 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.0	53.3	79.9
62	69.5	54.8	82.2

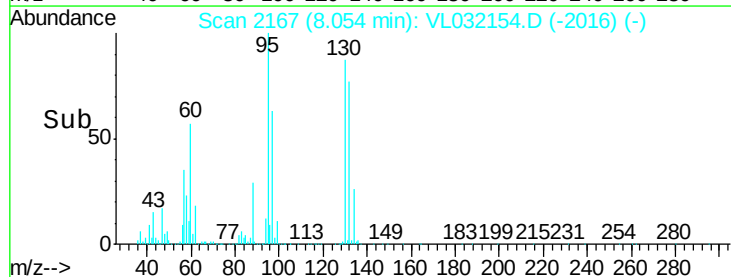
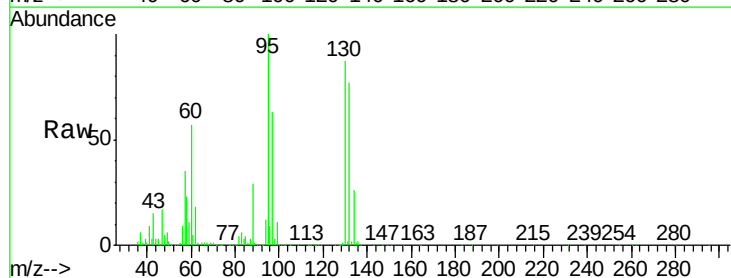
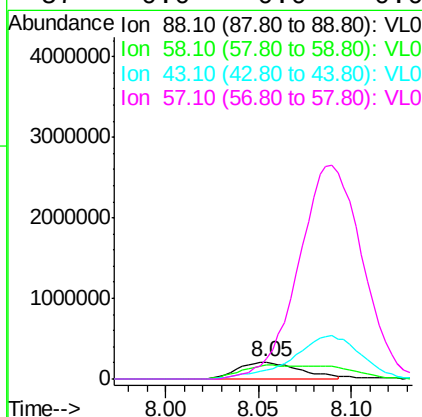
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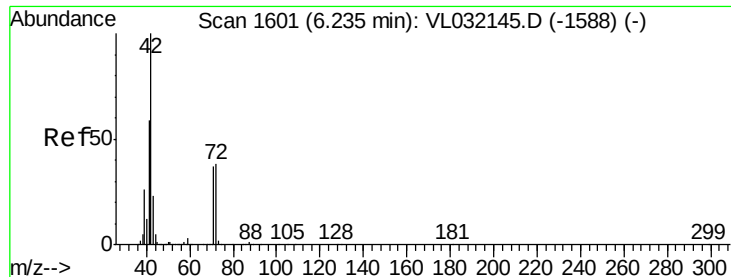
MMDadoda
 7/2/2018 4:25:19 PM



#40
 1,4-Dioxane
 Concen: 8.15 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	142.5	47.4	71.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





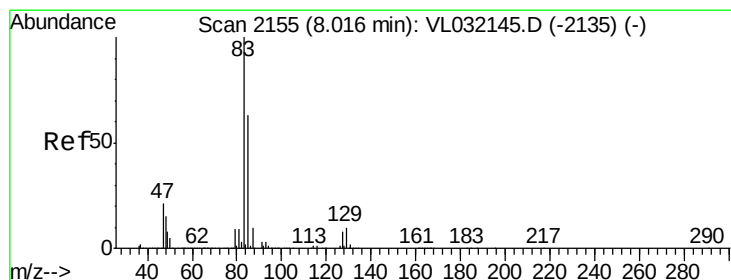
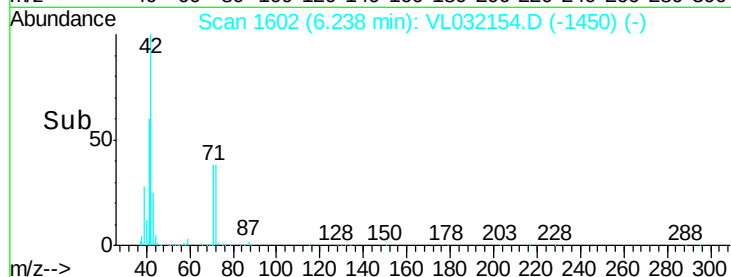
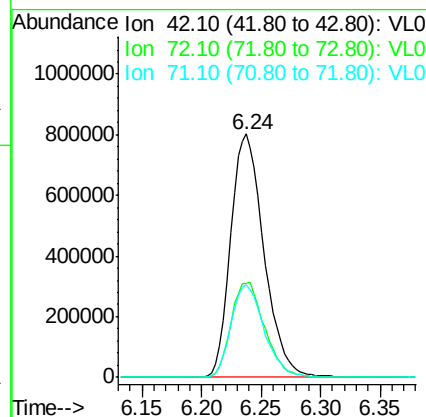
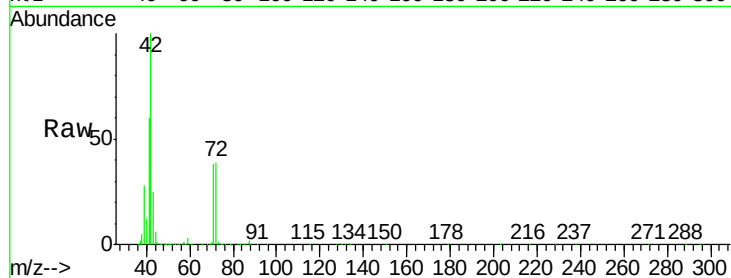
#41
Tetrahydrofuran
Concen: 10.27 ppbv
RT: 6.24 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 42 Resp: 1551492
Ion Ratio Lower Upper
42 100
72 39.6 31.1 46.7
71 38.1 29.5 44.3

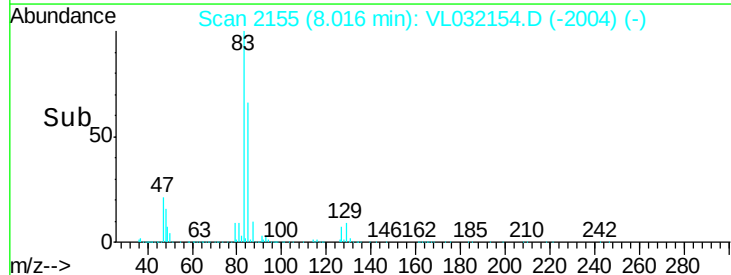
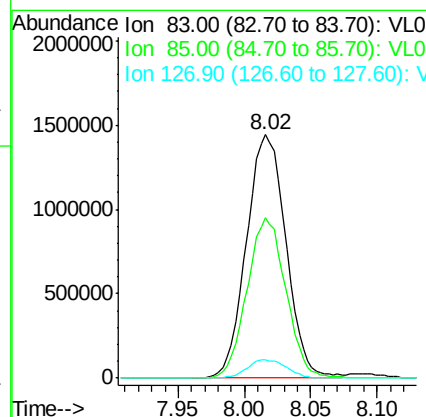
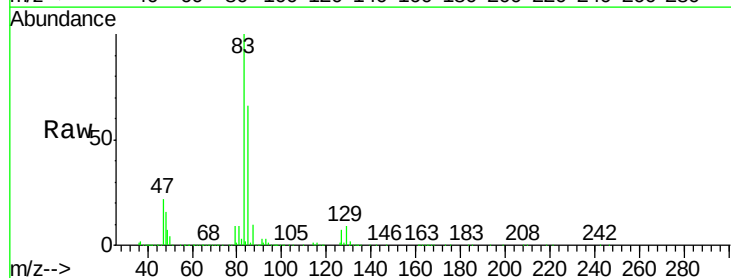
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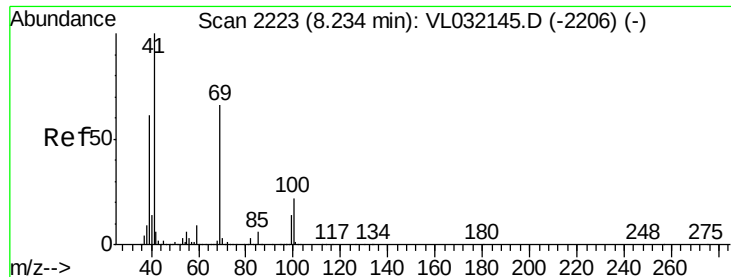
MMDadoda
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#42
Bromodichloromethane
Concen: 9.99 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 83 Resp: 2997547
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0
127 7.3 6.5 9.7





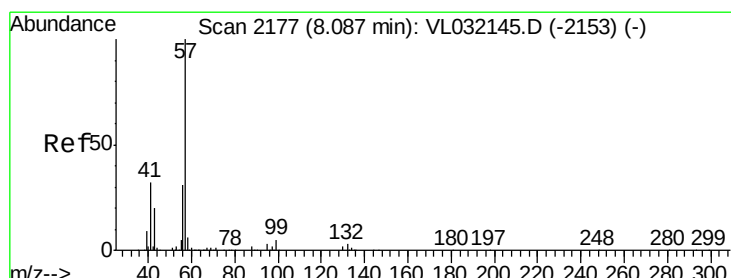
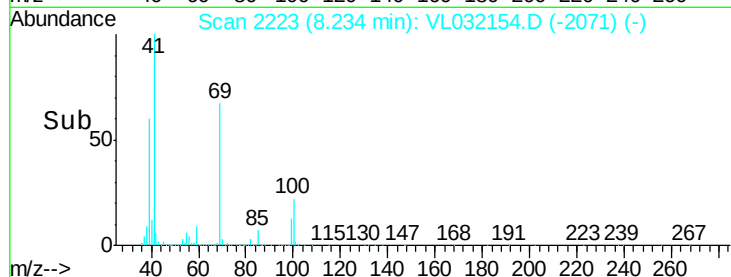
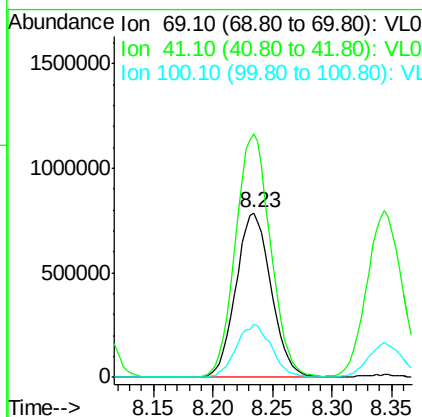
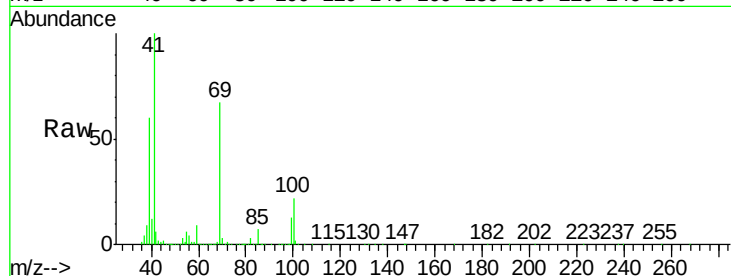
#43
Methyl Methacrylate
Concen: 10.09 ppbv
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 69 Resp: 1607700
Ion Ratio Lower Upper
69 100
41 147.5 118.2 177.4
100 32.3 27.4 41.2

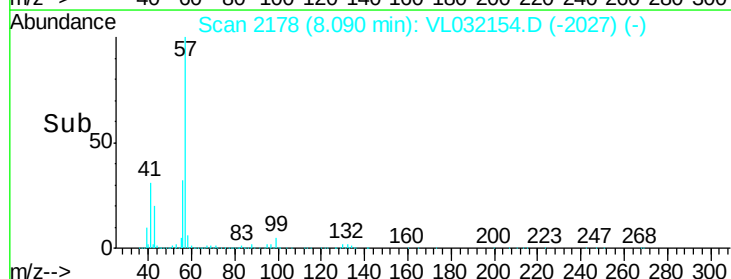
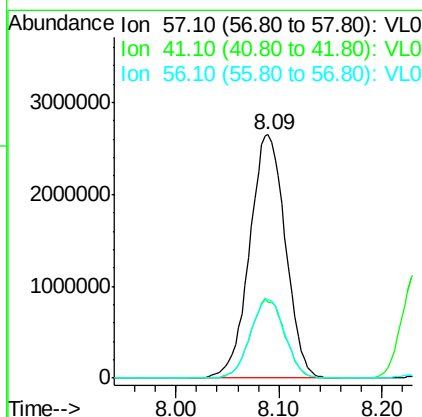
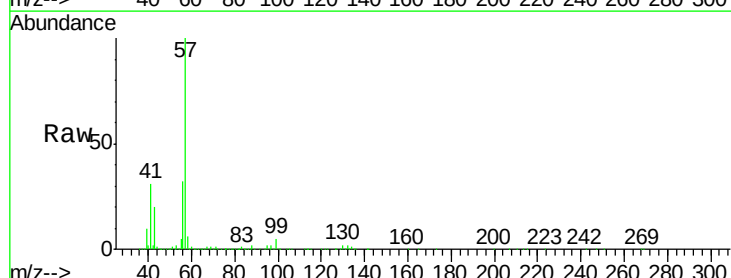
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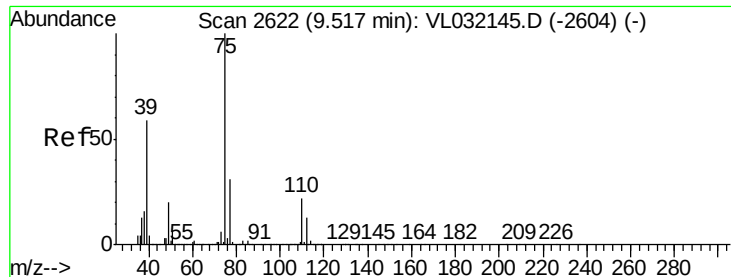
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.48 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 57 Resp: 6376802
Ion Ratio Lower Upper
57 100
41 31.1 24.3 36.5
56 31.4 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 10.50 ppbv

RT: 9.52 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 75 Resp: 2072475

Ion Ratio Lower Upper

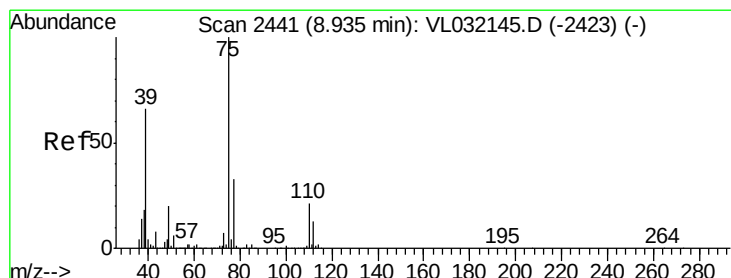
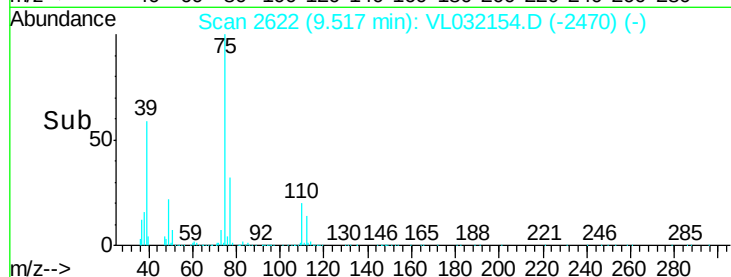
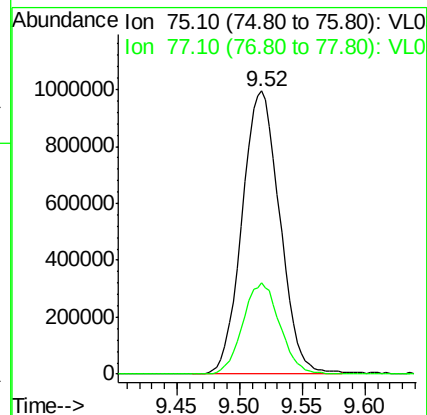
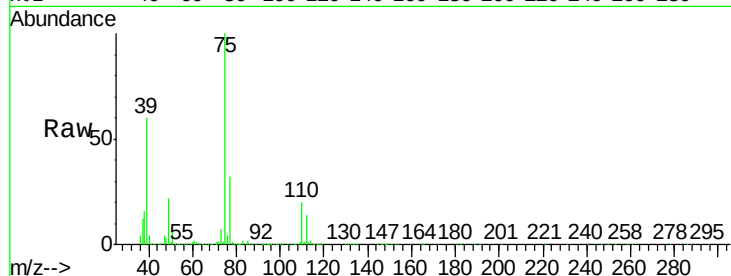
75 100

77 32.2 25.6 38.4

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#46

cis-1,3-Dichloropropene

Concen: 10.28 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

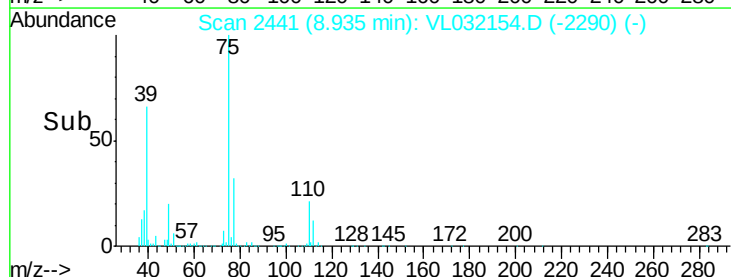
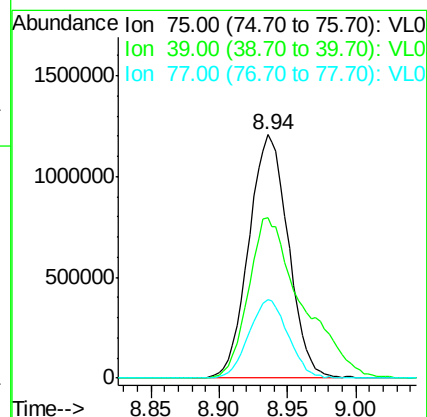
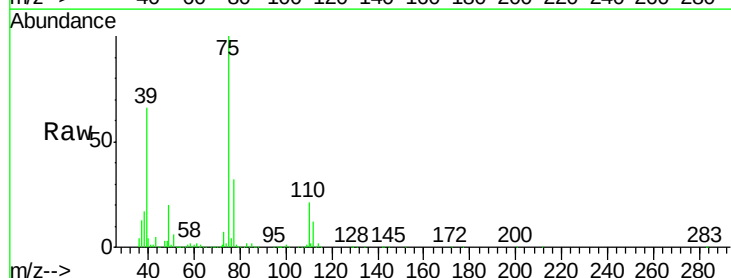
Tgt Ion: 75 Resp: 2423024

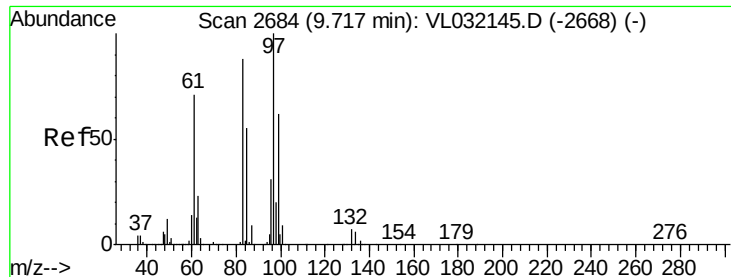
Ion Ratio Lower Upper

75 100

39 65.8 51.9 77.9

77 32.0 24.3 36.5





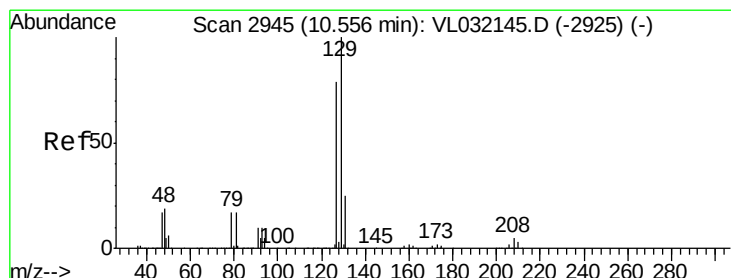
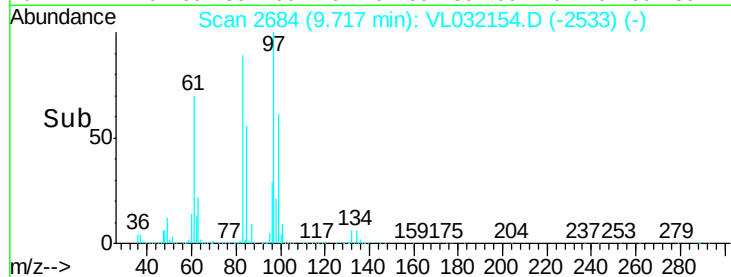
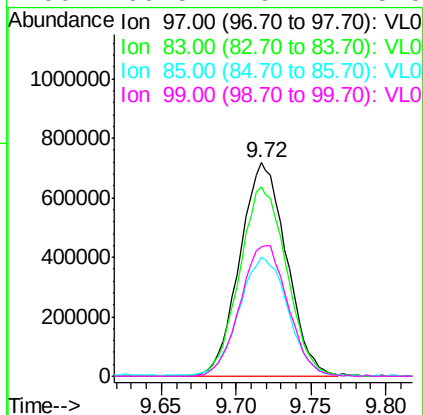
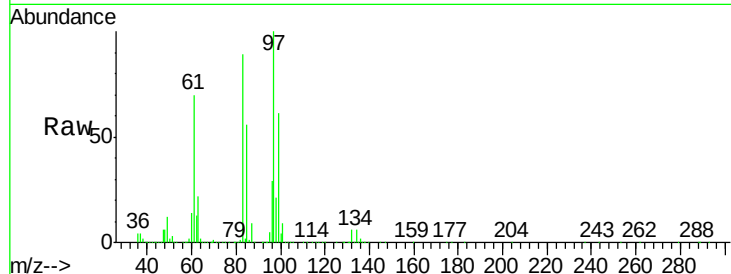
#47
 1,1,2-Trichloroethane
 Concen: 9.87 ppbv
 RT: 9.72 min Scan# 2684
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.0	106.4
85	55.2	44.2	66.4
99	60.5	49.2	73.8

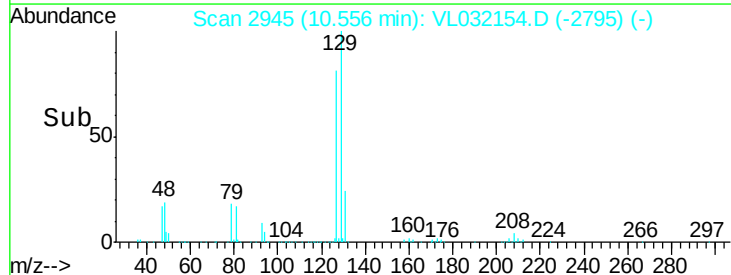
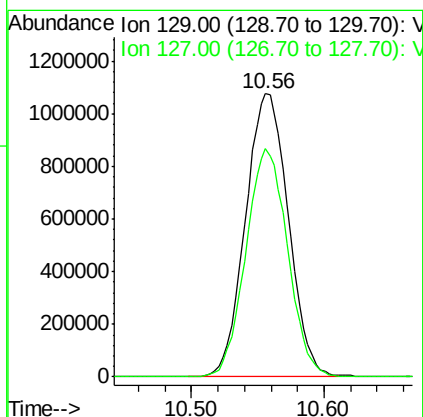
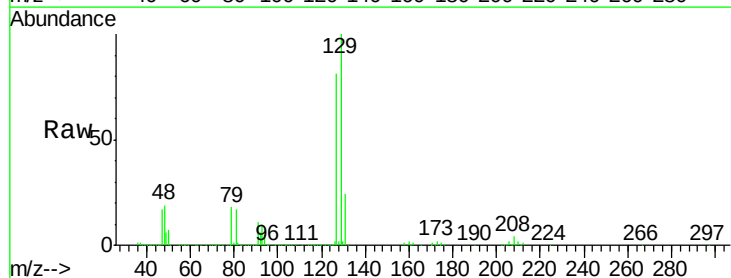
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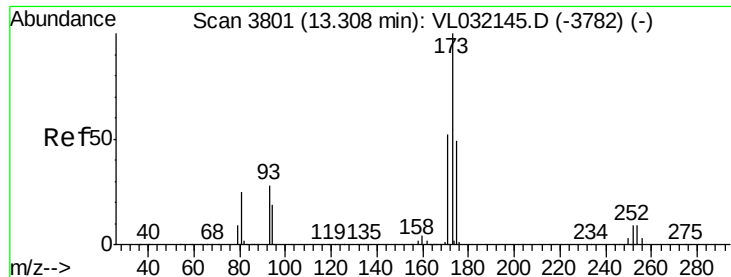
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.95 ppbv
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.02 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5





#49

Bromoform

Concen: 9.65 ppbv

RT: 13.31 min Scan# 3802

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:173 Resp: 1971515

Ion Ratio Lower Upper

173 100

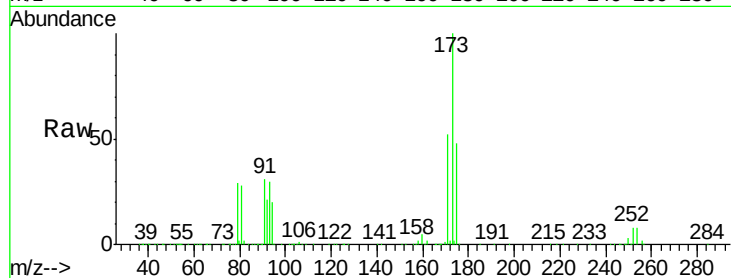
175 48.3 39.4 59.0

171 52.0 41.8 62.8

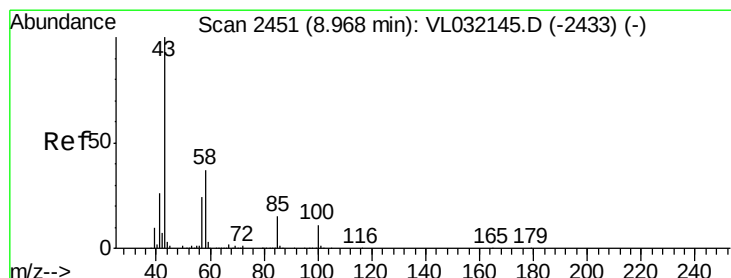
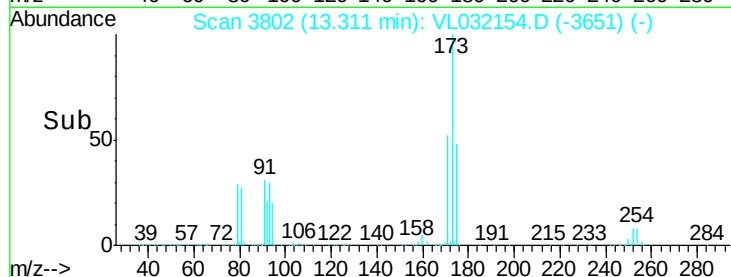
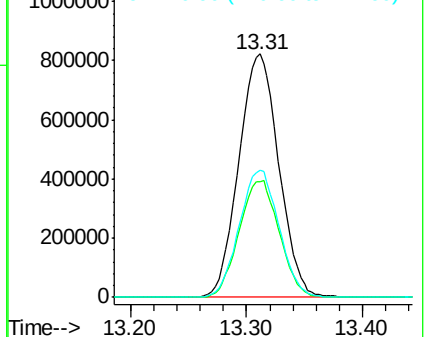
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.97 ppbv

RT: 8.97 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL032154.D

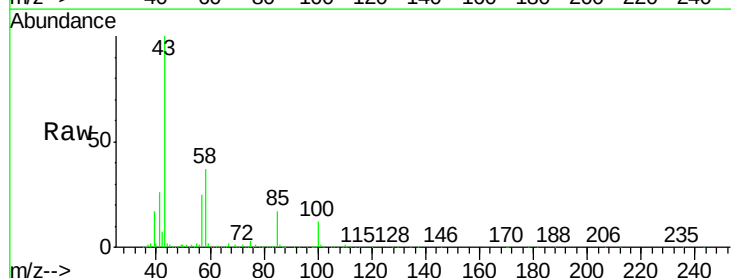
Acq: 30 Jun 2018 3:57

Tgt Ion: 43 Resp: 4115663

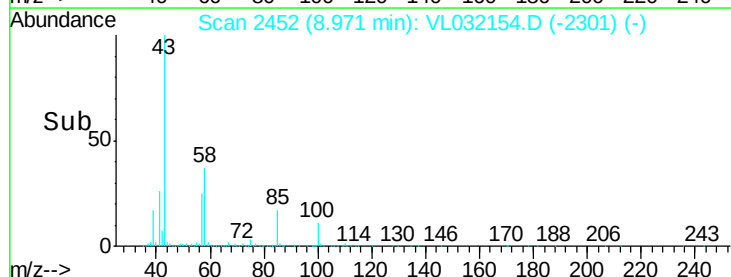
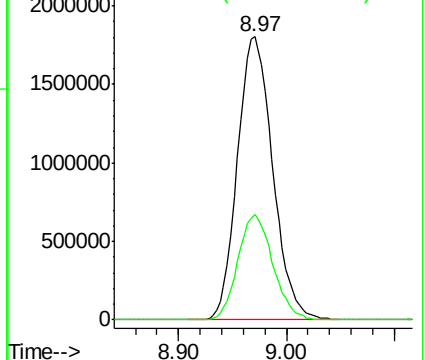
Ion Ratio Lower Upper

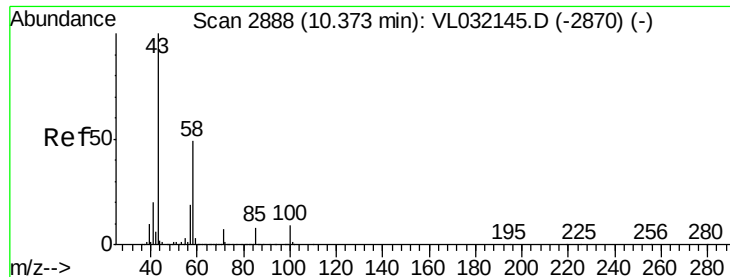
43 100

58 36.9 29.8 44.6



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





#51

2-Hexanone

Concen: 10.00 ppbv

RT: 10.37 min Scan# 2888

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

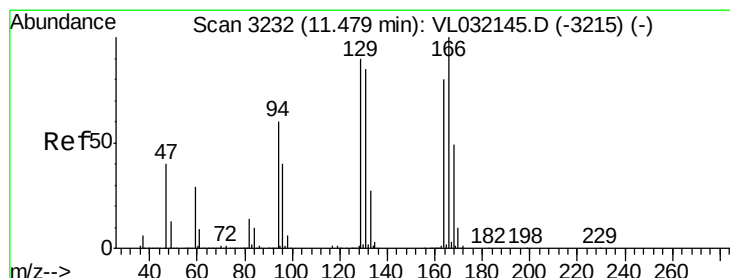
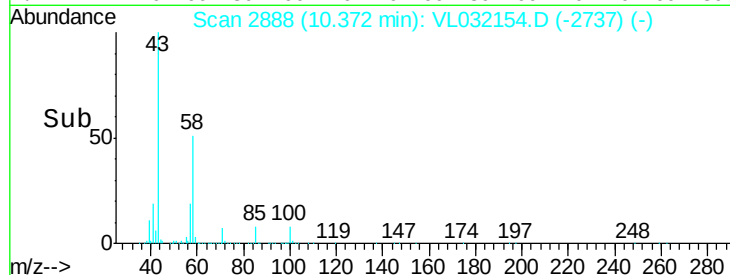
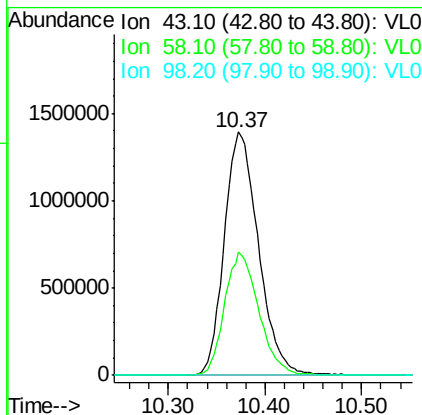
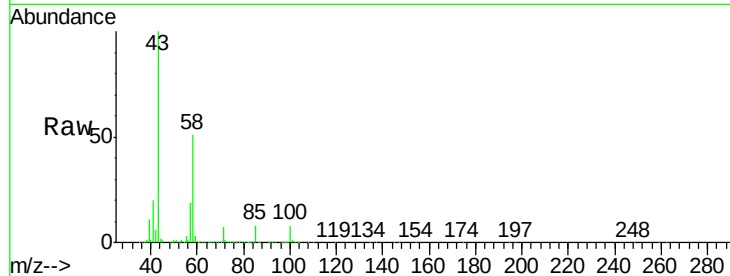
ClientSampleId :

VL0629ABS01

Tot Ion:	43	Resp:	3423484
Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.6	60.8
98	0.1	0.1	0.1

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.60 ppbv

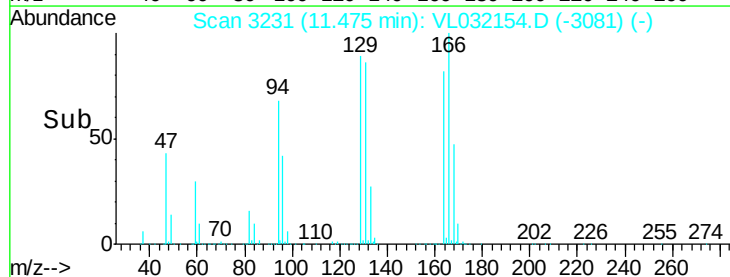
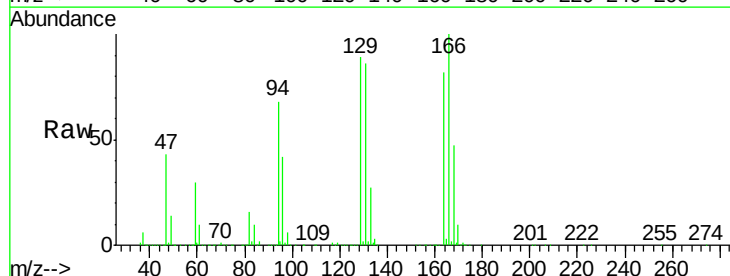
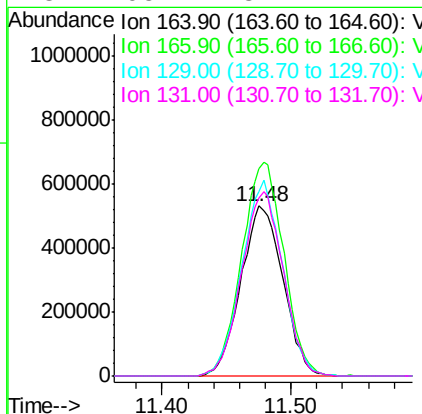
RT: 11.48 min Scan# 3231

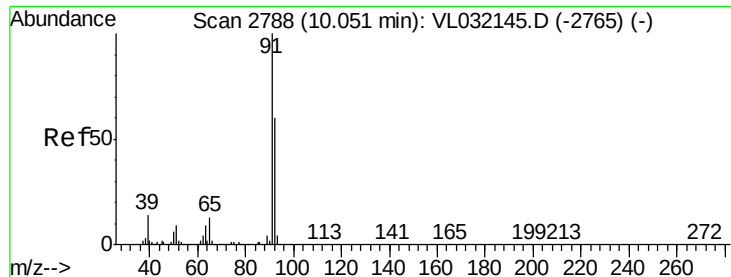
Delta R.T. -0.02 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Tgt Ion:	164	Resp:	1201527
Ion	Ratio	Lower	Upper
164	100		
166	122.1	100.6	151.0
129	108.9	84.0	126.0
131	105.1	82.7	124.1





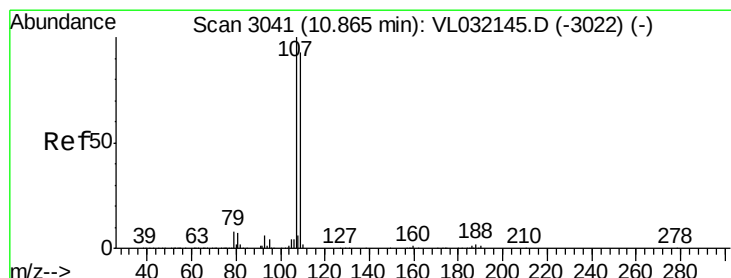
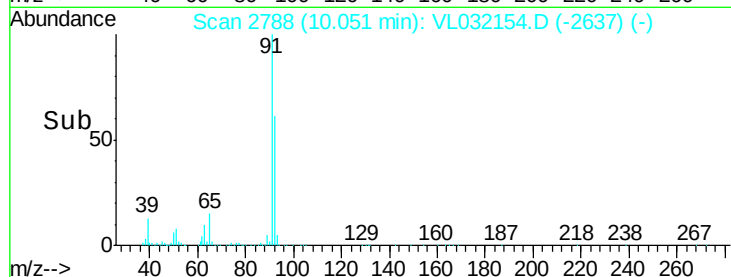
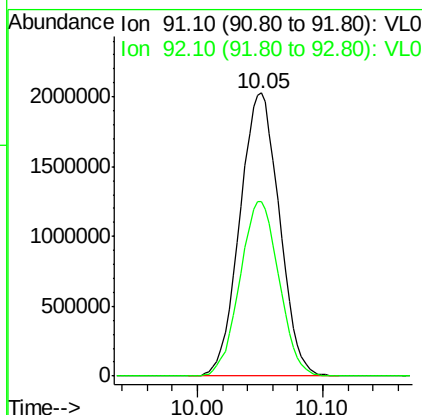
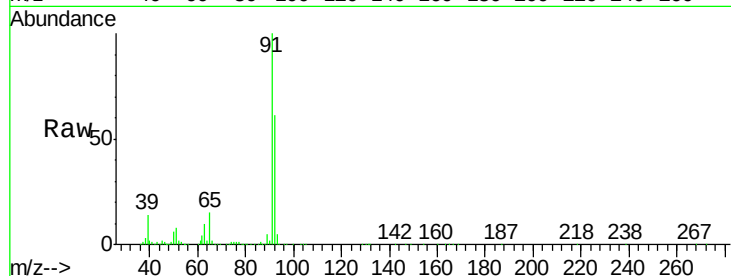
#53
Toluene
Concen: 9.54 ppbv
RT: 10.05 min Scan# 2788
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 91 Resp: 4430716
Ion Ratio Lower Upper
91 100
92 61.0 49.2 73.8

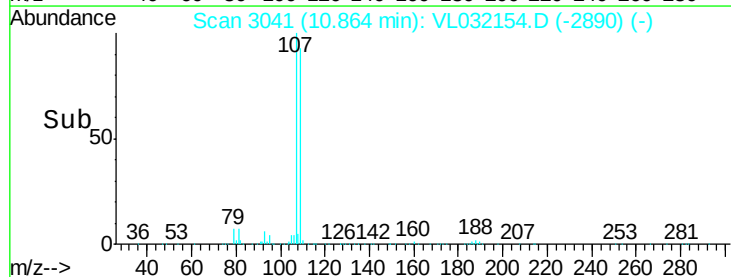
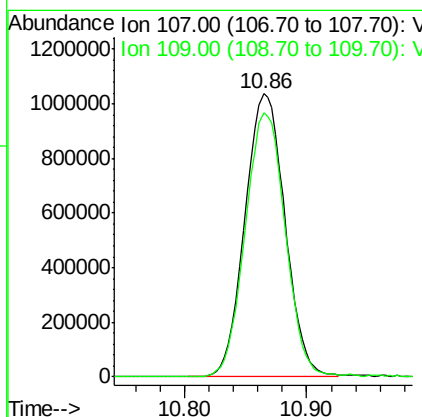
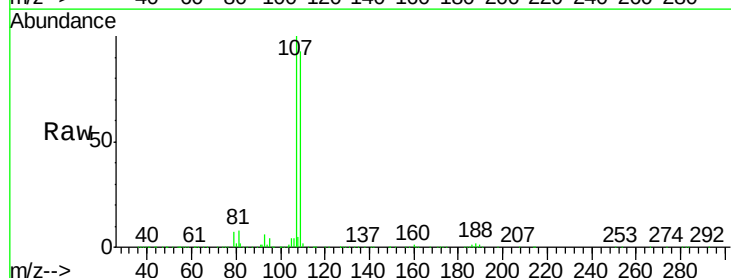
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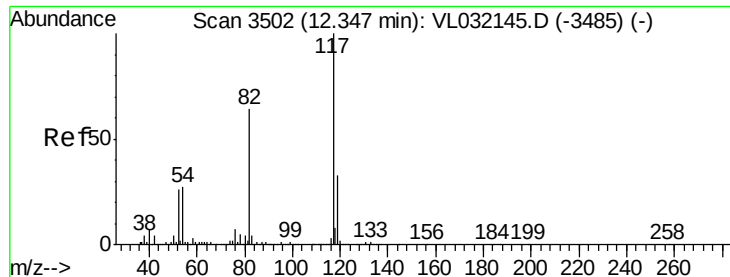
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#54
1,2-Dibromoethane
Concen: 9.92 ppbv
RT: 10.86 min Scan# 3041
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 107 Resp: 2349740
Ion Ratio Lower Upper
107 100
109 93.2 75.0 112.4





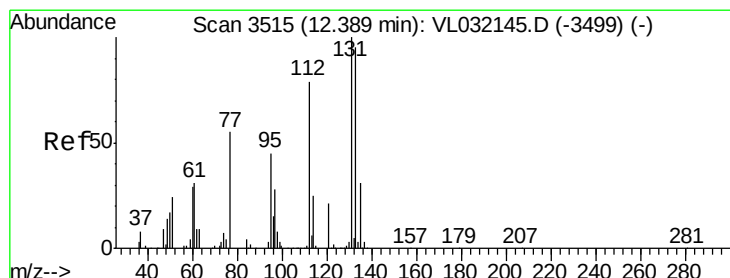
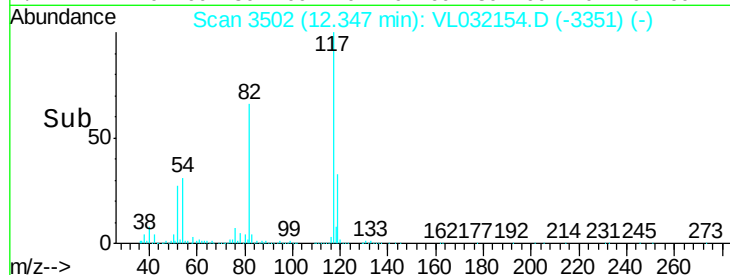
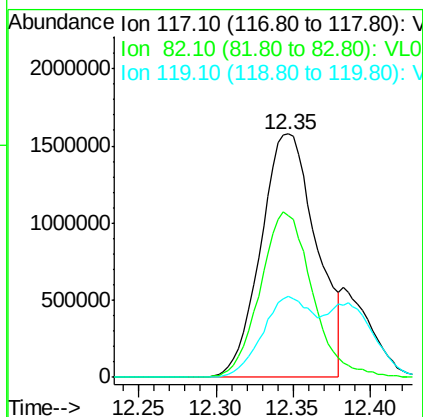
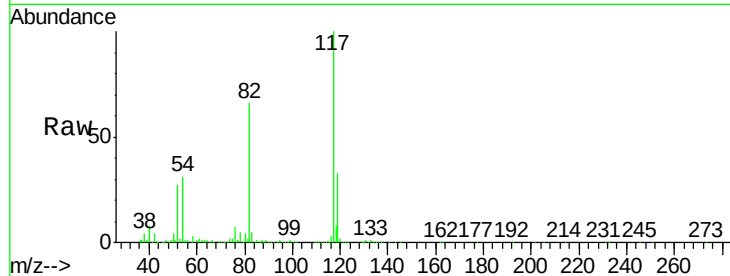
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.35 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	47.8	71.8
119	29.8	43.3	64.9#

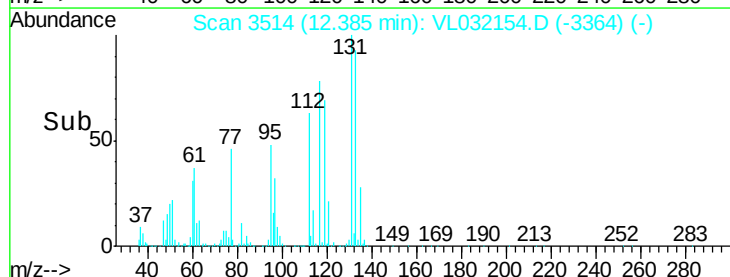
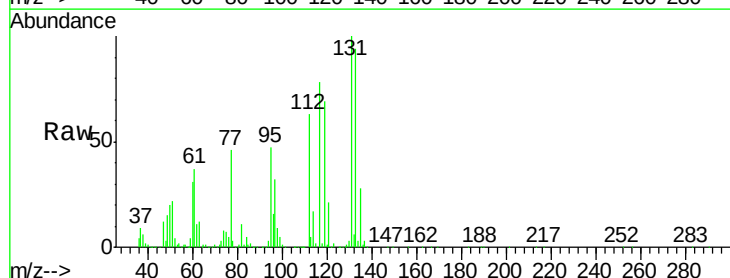
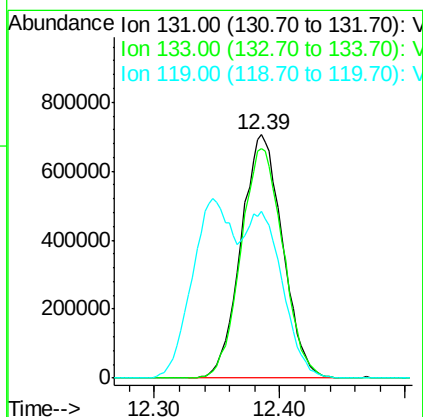
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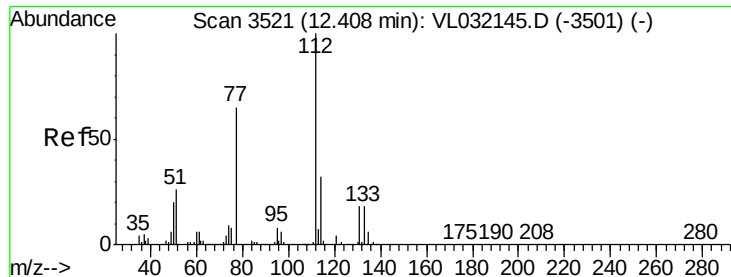
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.20 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.5	113.3
119	54.9	118.4	177.6#





#57

Chlorobenzene

Concen: 9.22 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:112 Resp: 3152024

Ion Ratio Lower Upper

112 100

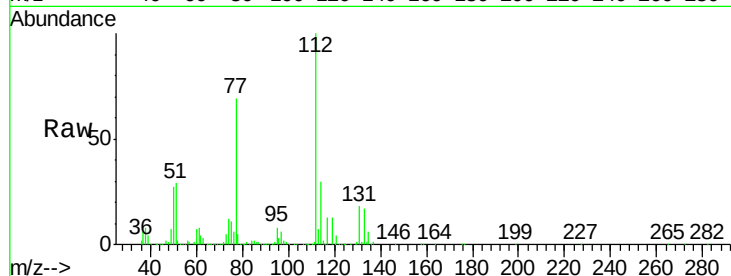
77 69.1 52.6 78.8

114 30.3 27.9 34.1

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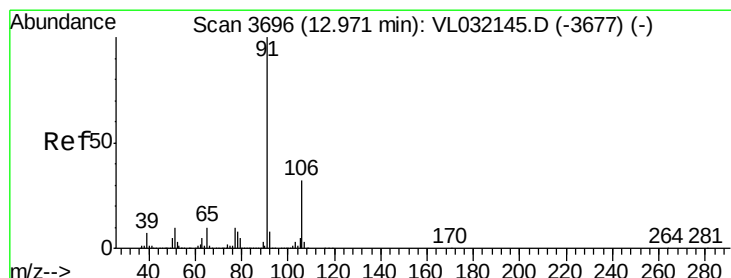
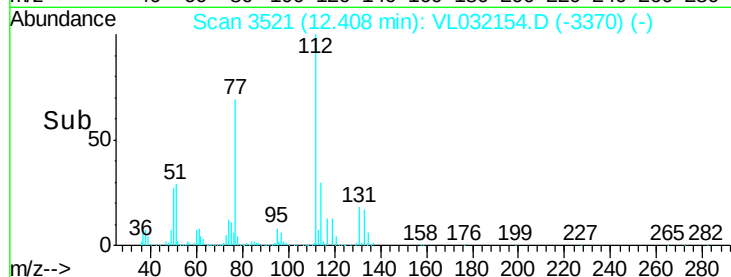
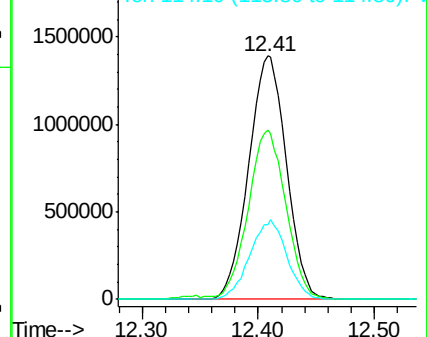
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.33 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. -0.02 min

Lab File: VL032154.D

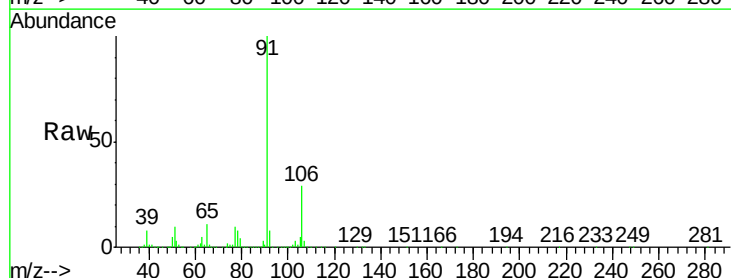
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 5939339

Ion Ratio Lower Upper

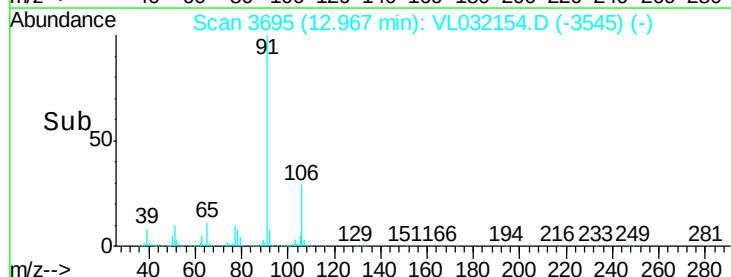
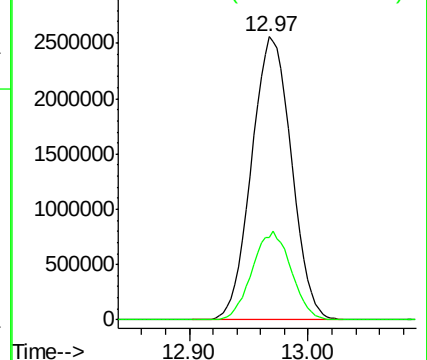
91 100

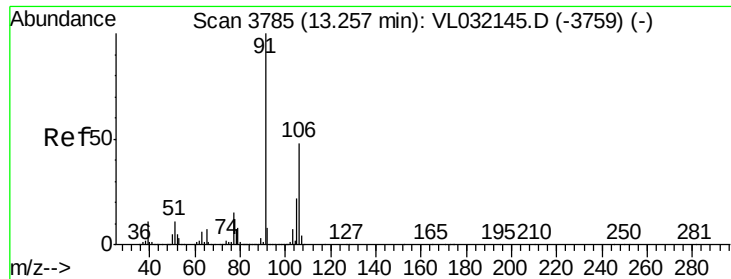
106 29.3 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





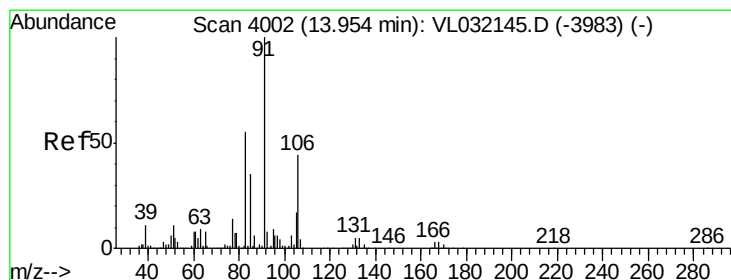
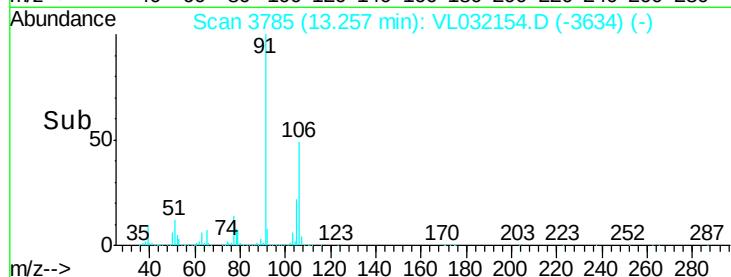
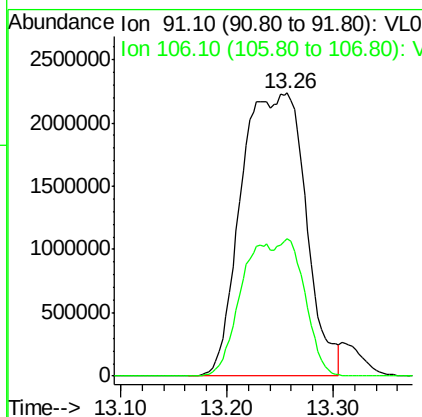
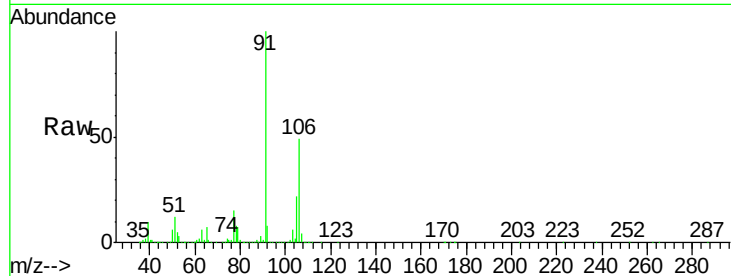
#59
m/p-Xylene
Concen: 18.45 ppbv m
RT: 13.26 min Scan# 3785
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion: 91 Resp: 9409621
Ion Ratio Lower Upper
91 100
106 46.0 38.6 58.0

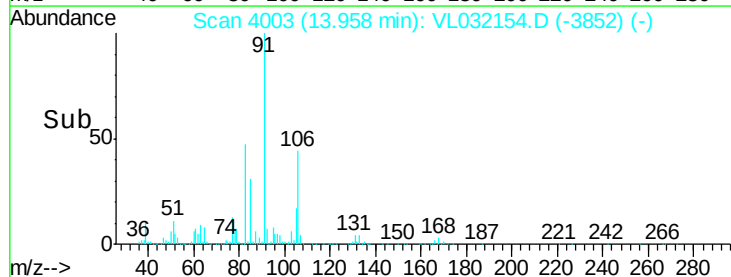
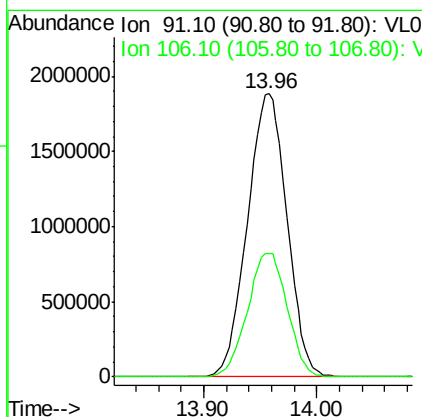
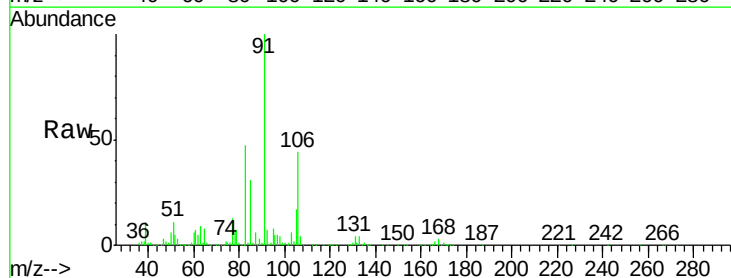
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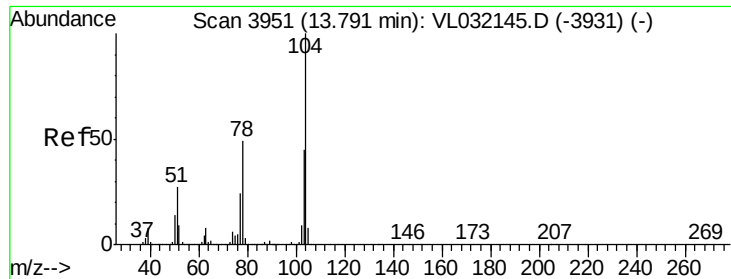
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#60
o-Xylene
Concen: 8.97 ppbv
RT: 13.96 min Scan# 4003
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 4564414
Ion Ratio Lower Upper
91 100
106 43.9 23.3 69.8





#61

Stvrene

Concen: 9.17 ppbv

RT: 13.79 min Scan# 3951

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:104 Resp: 3824797

Ion Ratio Lower Upper

104 100

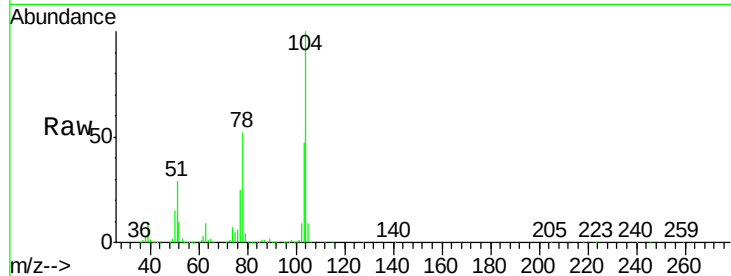
78 52.2 37.9 56.9

103 46.7 36.6 55.0

Manual Integrations
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MMDadoda

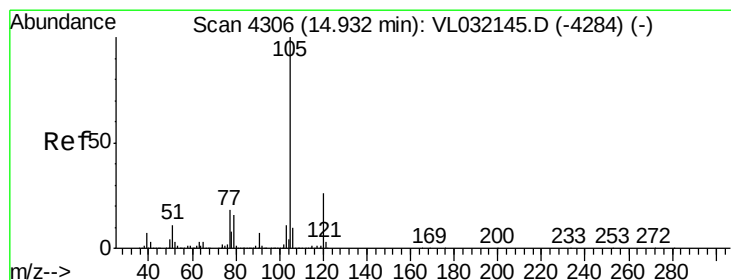
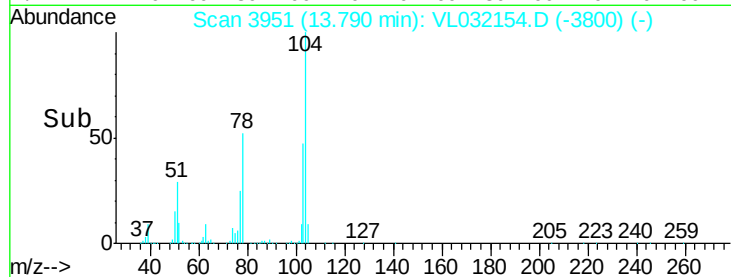
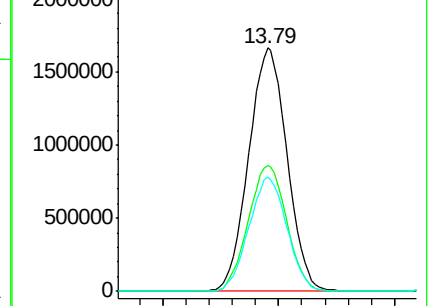
7/2/2018 4:25:19 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.43 ppbv

RT: 14.93 min Scan# 4306

Delta R.T. -0.02 min

Lab File: VL032154.D

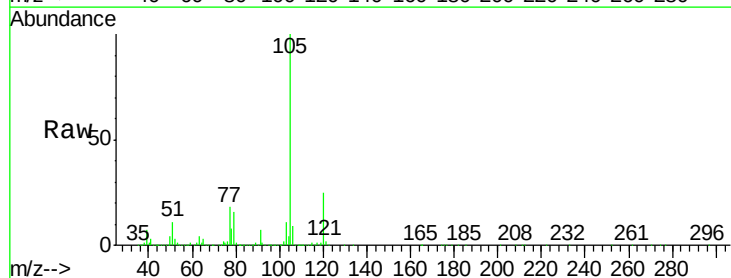
Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 6596779

Ion Ratio Lower Upper

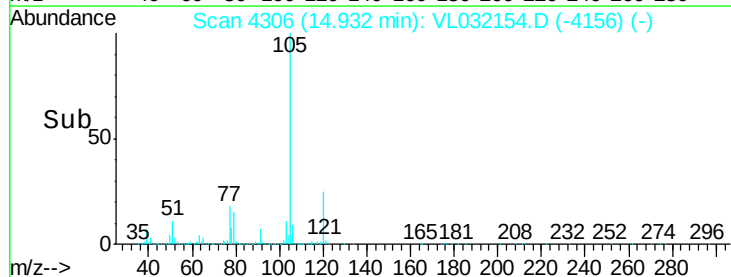
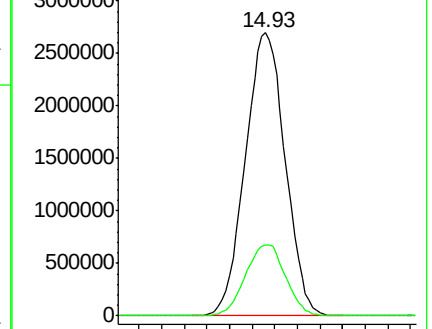
105 100

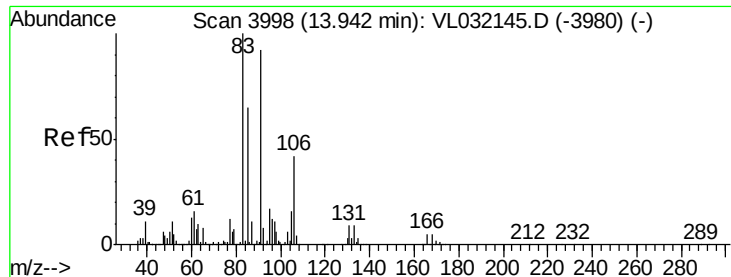
120 25.3 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





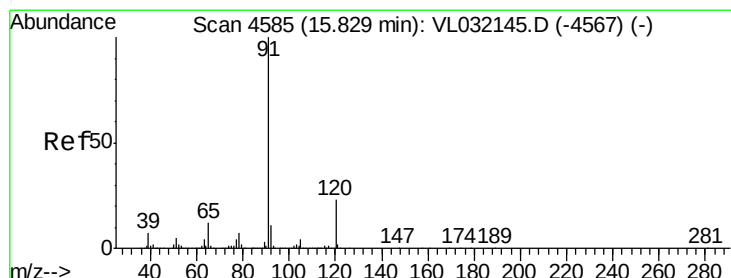
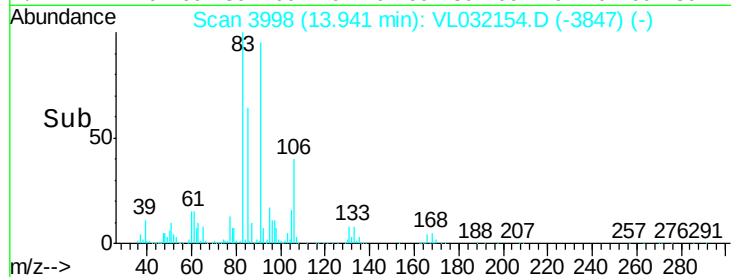
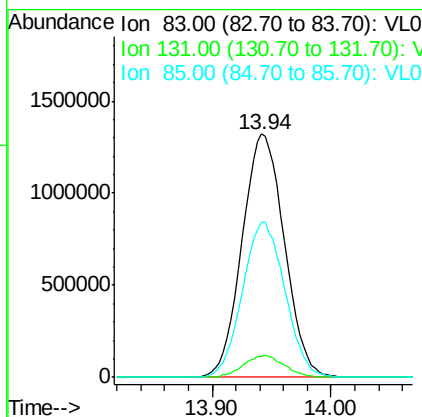
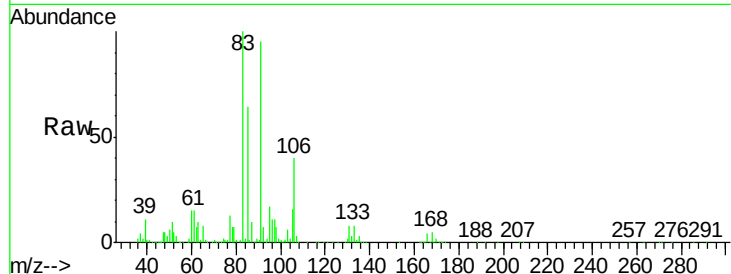
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.23 ppbv
 RT: 13.94 min Scan# 3998
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	83	Resp	3242429
Ion Ratio	100	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	64.4	32.4	97.2

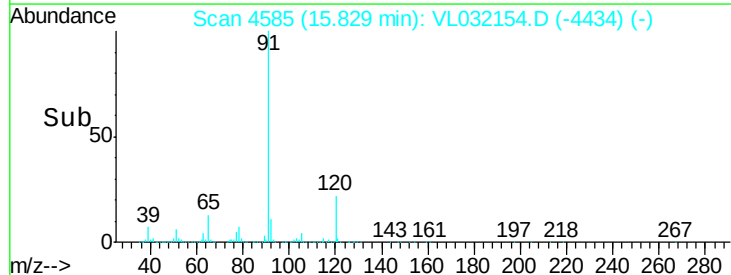
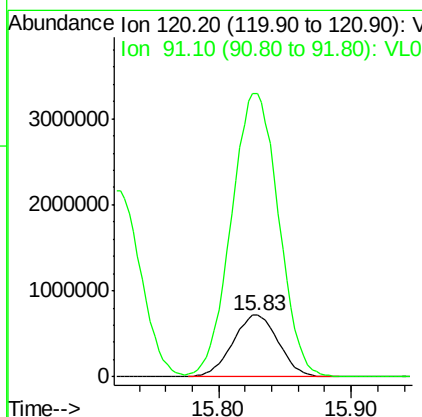
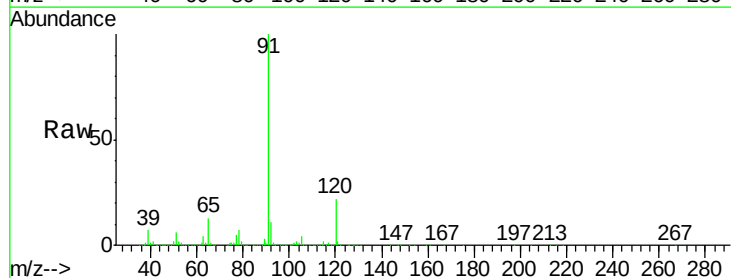
Manual Integrations
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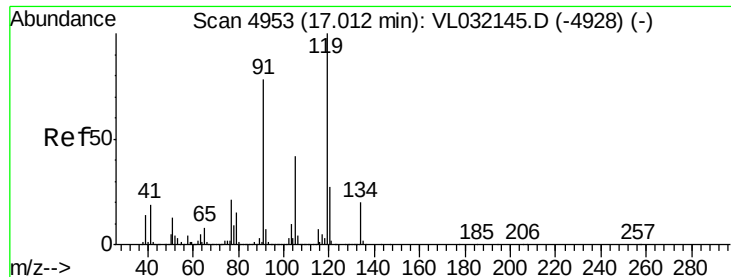
MMDadoda
 7/2/2018 4:25:19 PM



#64
 n-propylbenzene
 Concen: 8.47 ppbv
 RT: 15.83 min Scan# 4585
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	120	Resp	1713781
Ion Ratio	100	Lower	Upper
120	100		
91	477.6	357.4	536.0





#65

tert-Butylbenzene

Concen: 7.90 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 119 Resp: 5428982

Ion Ratio Lower Upper

119 100

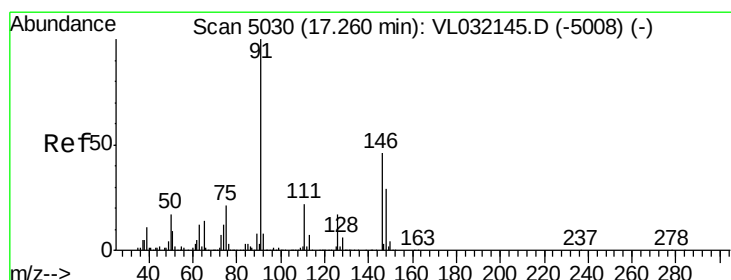
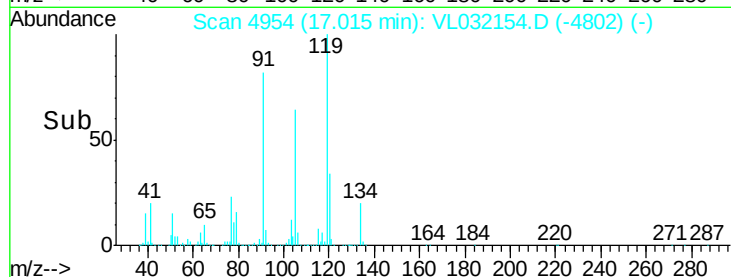
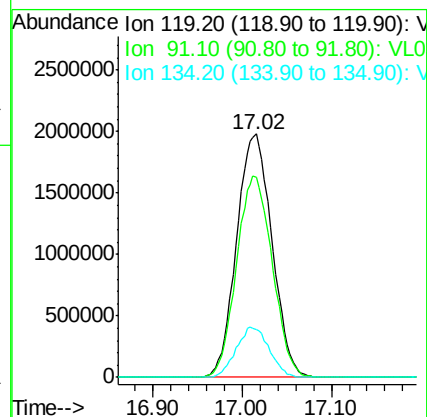
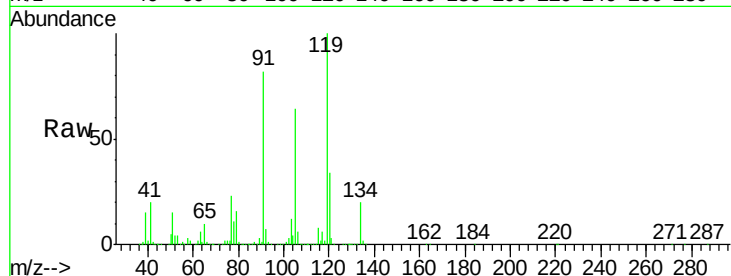
91 83.6 62.2 93.2

134 19.3 16.2 24.2

Manual Integrations
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7/2/2018 4:25:19 PM



#66

Benzyl Chloride

Concen: 8.59 ppbv

RT: 17.26 min Scan# 5031

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

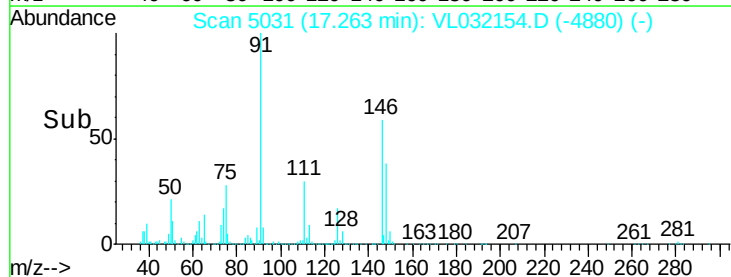
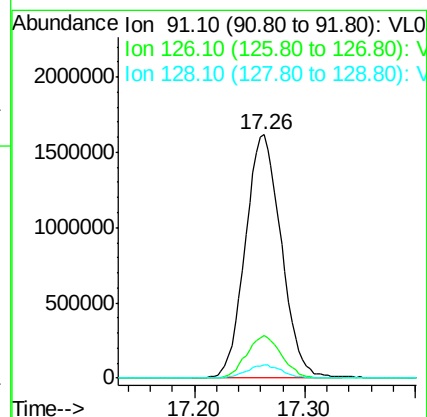
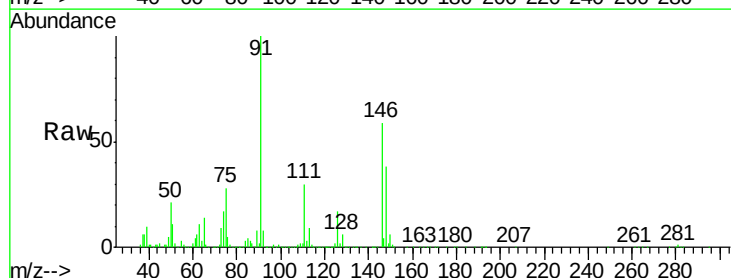
Tgt Ion: 91 Resp: 3646679

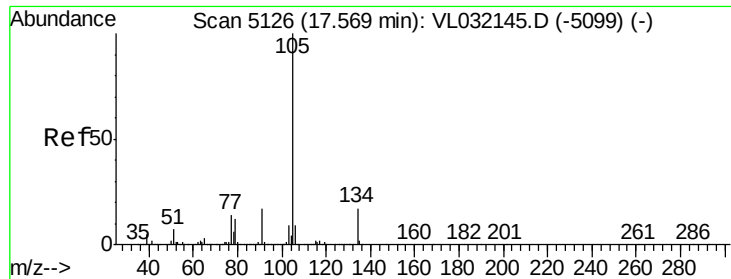
Ion Ratio Lower Upper

91 100

126 17.1 15.7 23.5

128 5.5 5.2 7.8





#67

sec-Butylbenzene

Concen: 8.02 ppbv

RT: 17.57 min Scan# 5125

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion:105 Resp: 8071822

Ion Ratio Lower Upper

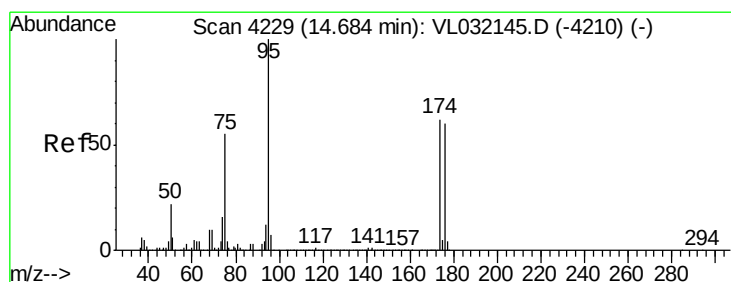
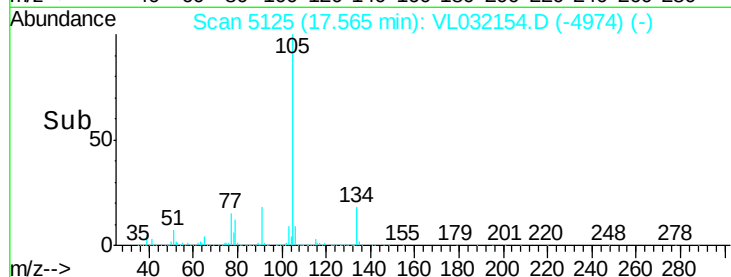
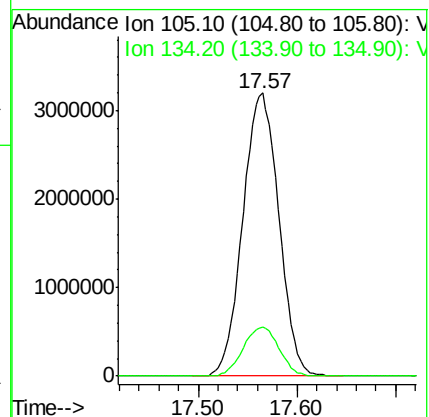
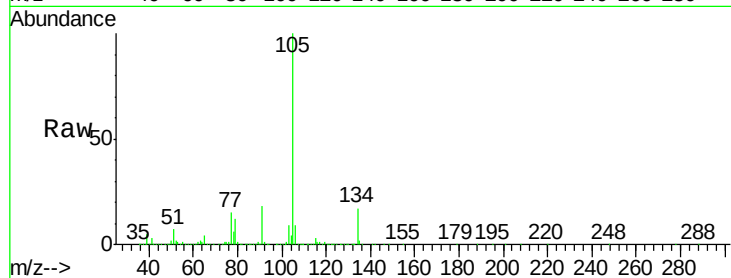
105 100

134 17.4 14.7 22.1

Manual Integrations
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7/2/2018 4:25:19 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.11 ppbv

RT: 14.68 min Scan# 4229

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

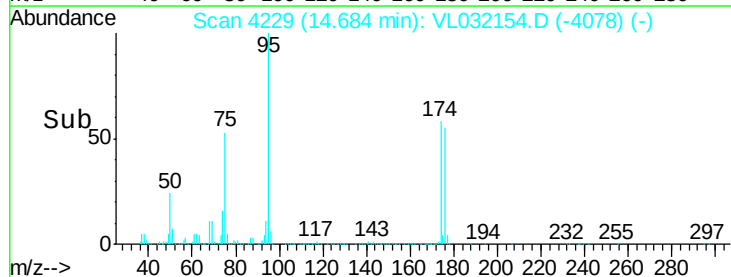
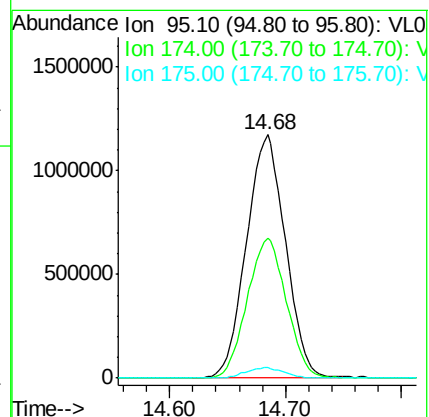
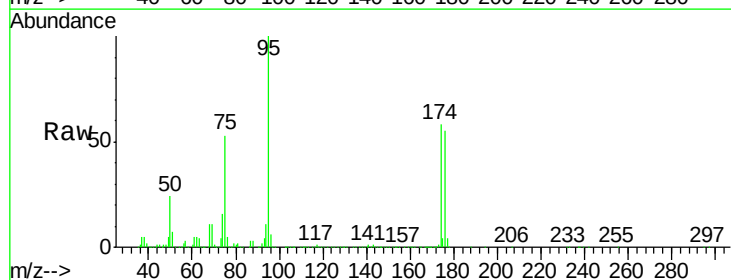
Tgt Ion: 95 Resp: 2748455

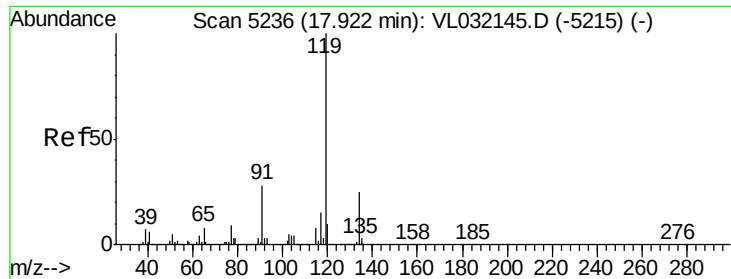
Ion Ratio Lower Upper

95 100

174 57.9 52.1 78.1

175 4.3 4.0 6.0





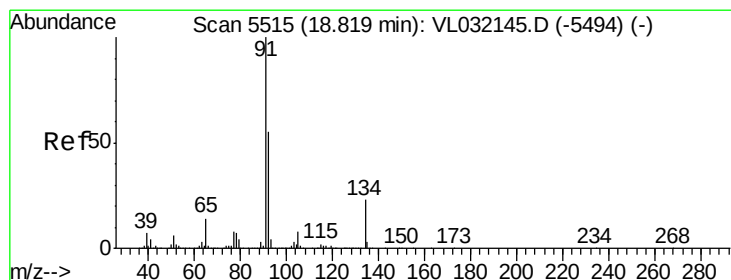
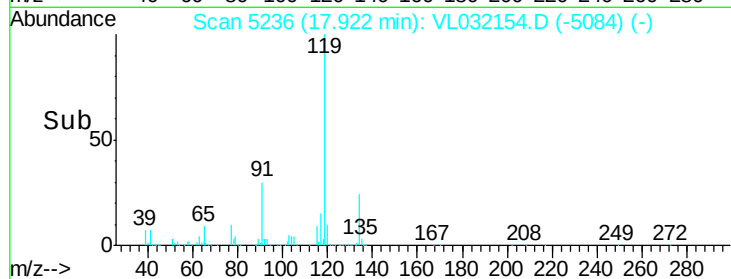
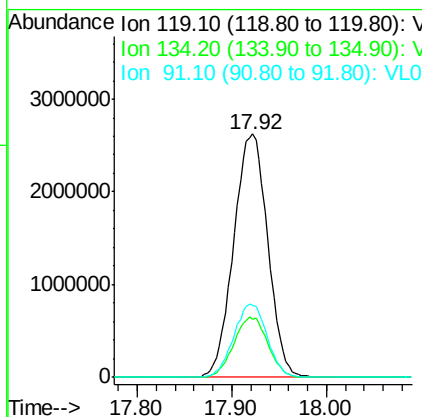
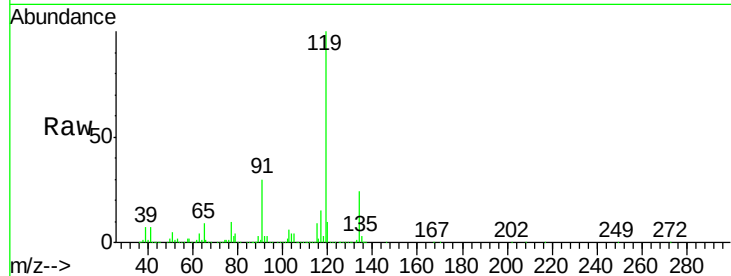
#69
 p-Isopropyltoluene
 Concen: 8.12 ppbv
 RT: 17.92 min Scan# 5236
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion: 119 Resp: 6553500
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.7 31.1
 91 29.7 21.8 32.8

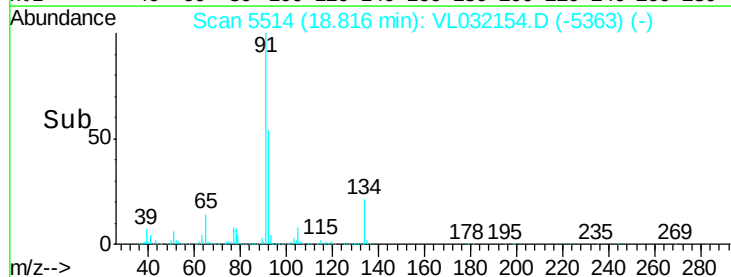
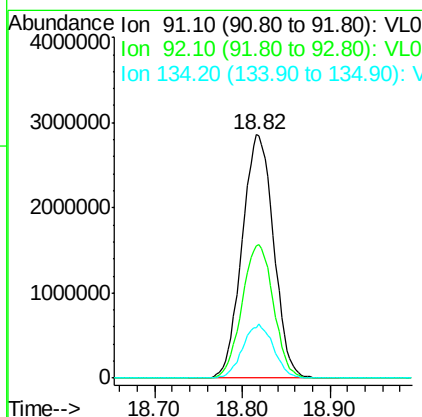
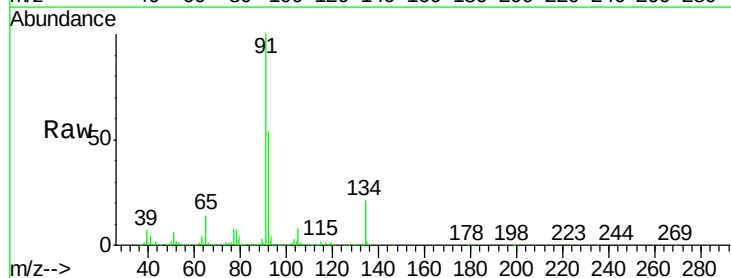
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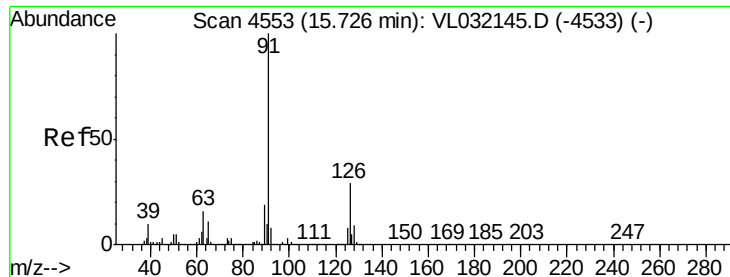
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#70
 n-Butylbenzene
 Concen: 8.46 ppbv
 RT: 18.82 min Scan# 5514
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion: 91 Resp: 7131934
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.7 65.5
 134 21.7 18.9 28.3





#71

2-Chlorotoluene

Concen: 8.74 ppbv

RT: 15.72 min Scan# 4552

Delta R.T. -0.02 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS01

Tot Ion: 91 Resp: 5262788

Ion Ratio Lower Upper

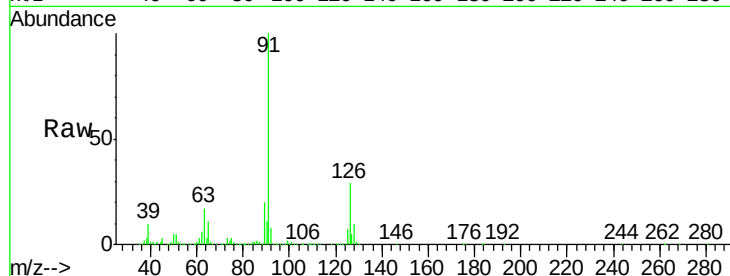
91 100

126 29.1 12.8 51.0

Manual Integrations
APPROVED

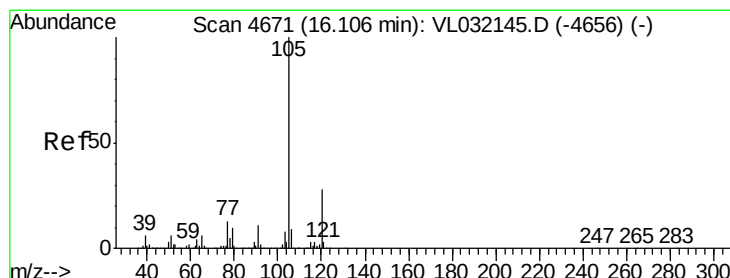
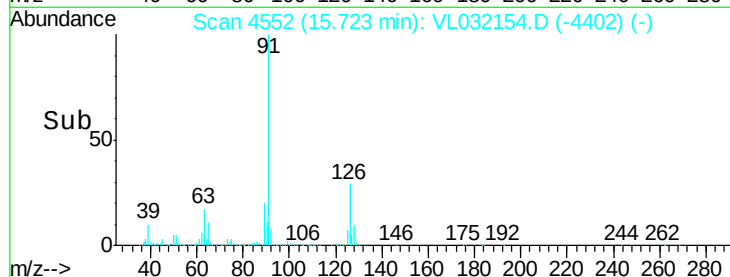
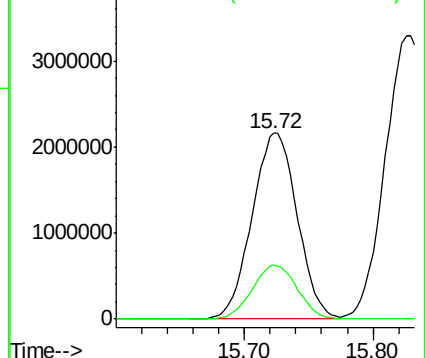
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.66 ppbv

RT: 16.11 min Scan# 4671

Delta R.T. -0.01 min

Lab File: VL032154.D

Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 5686614

Ion Ratio Lower Upper

105 100

120 28.7 24.3 36.5

91 12.4 9.4 14.0

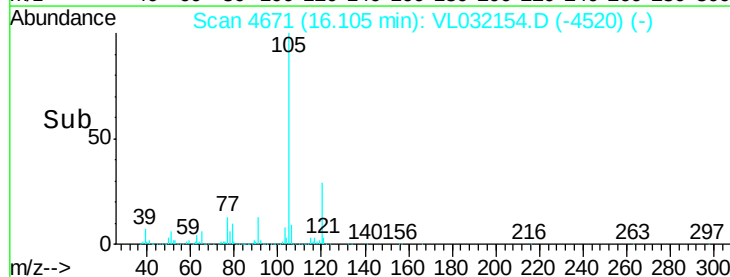
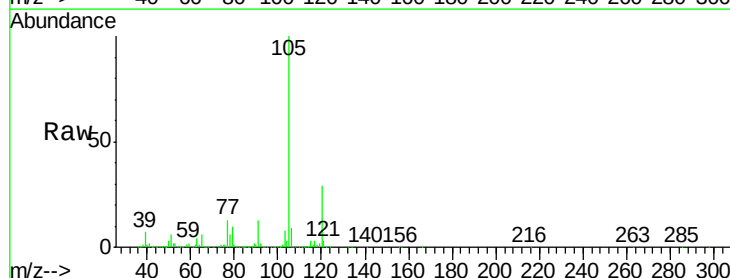
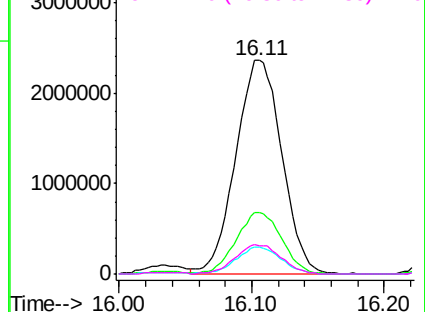
77 13.7 10.2 15.2

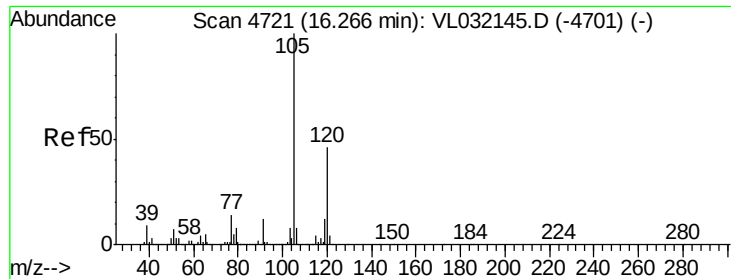
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





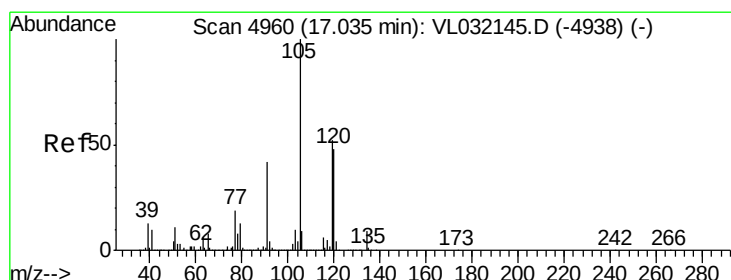
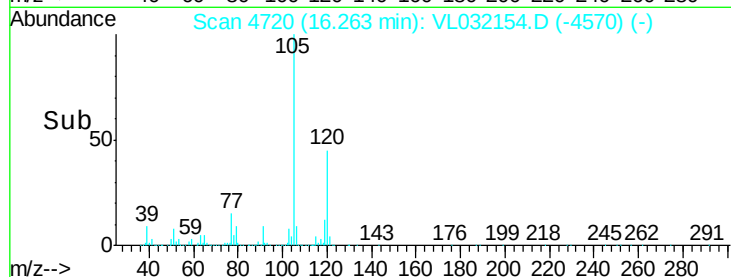
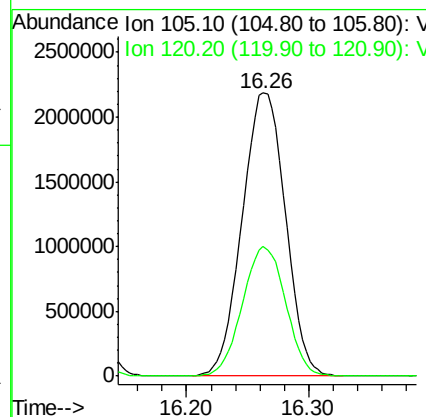
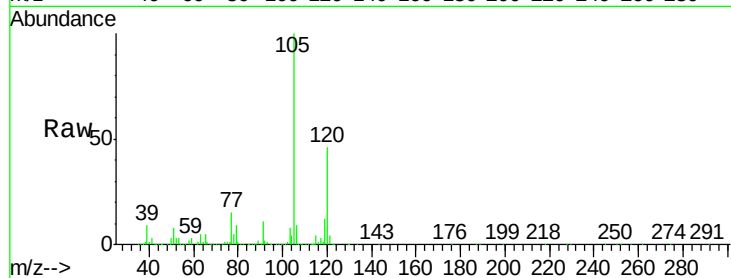
#73
 1,3,5-Trimethylbenzene
 Concen: 8.64 ppbv
 RT: 16.26 min Scan# 4720
 Delta R.T. -0.02 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion:105 Resp: 5346556
 Ion Ratio Lower Upper
 105 100
 120 45.8 38.6 57.8

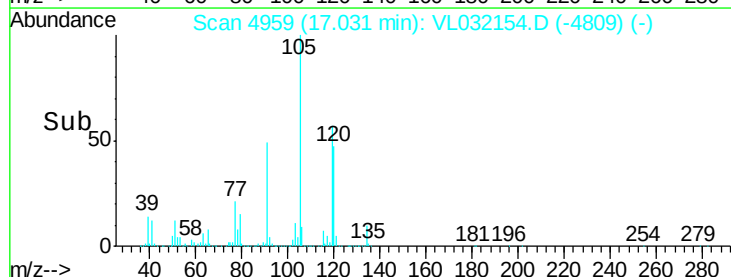
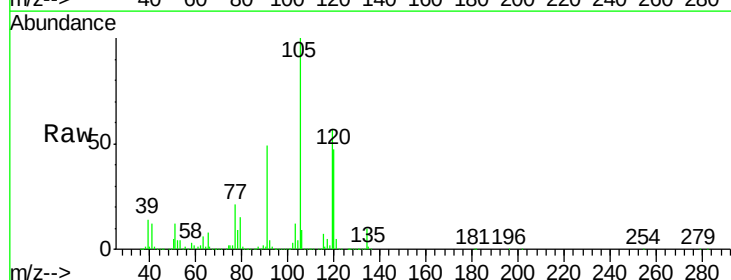
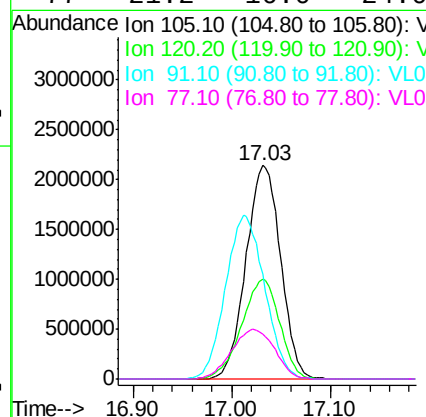
Manual Integrations
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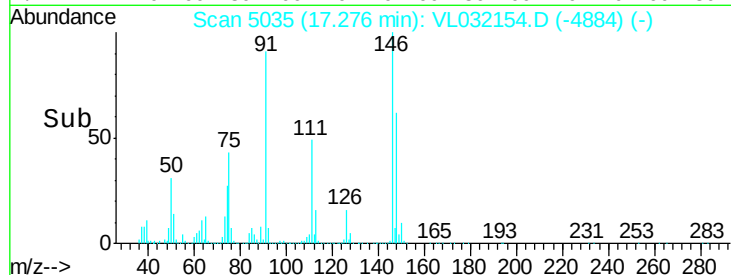
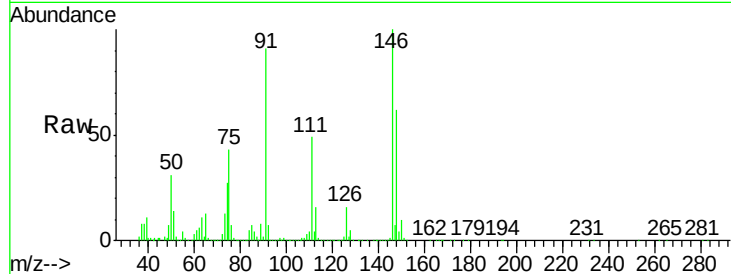
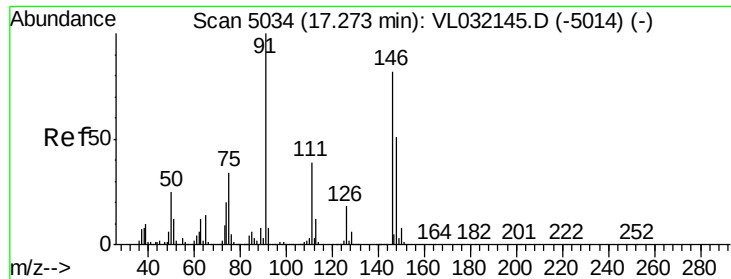
MMDadoda
 7/2/2018 4:25:19 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.33 ppbv
 RT: 17.03 min Scan# 4959
 Delta R.T. -0.02 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion:105 Resp: 5200958
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.8 58.2
 91 49.2 33.6 50.4
 77 21.2 16.0 24.0





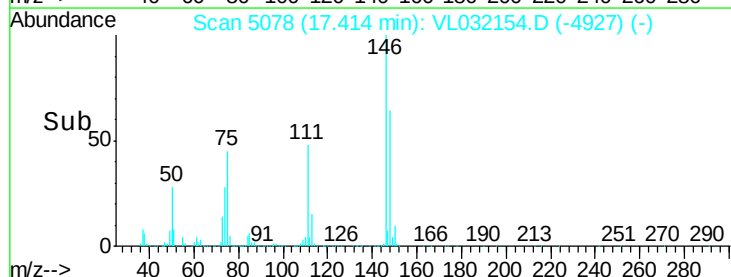
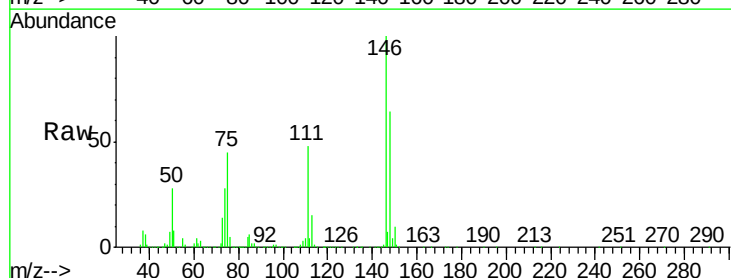
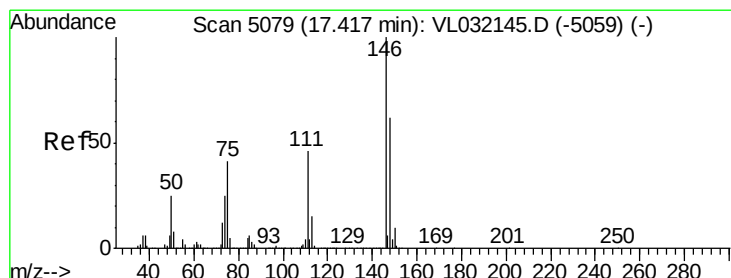
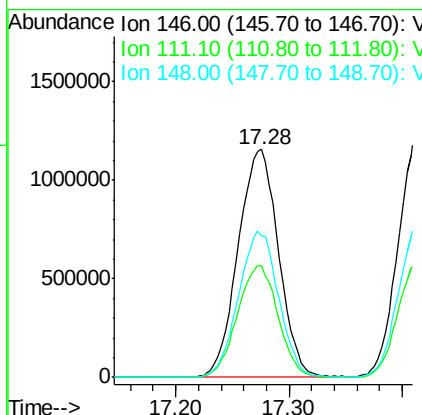
#75
1,3-Dichlorobenzene
Concen: 8.07 ppbv
RT: 17.28 min Scan# 5035
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tot Ion:146 Resp: 2865431
Ion Ratio Lower Upper
146 100
111 49.5 22.9 68.8
148 63.7 31.7 95.1

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

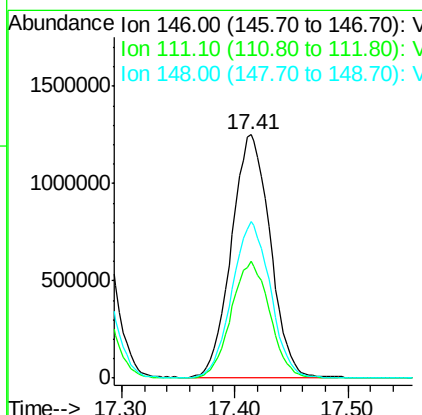
Manual Integrations
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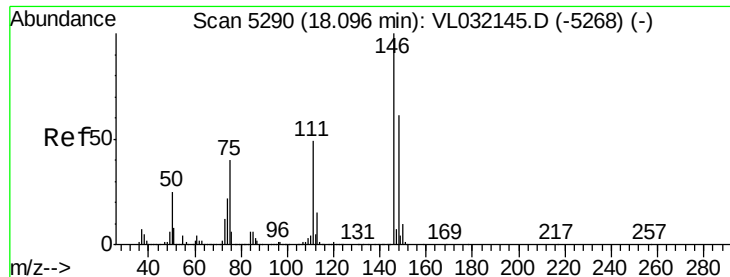
MMDadoda
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#76
1,4-Dichlorobenzene
Concen: 8.23 ppbv
RT: 17.41 min Scan# 5078
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion:146 Resp: 2966659
Ion Ratio Lower Upper
146 100
111 48.1 21.9 65.8
148 64.1 32.1 96.5





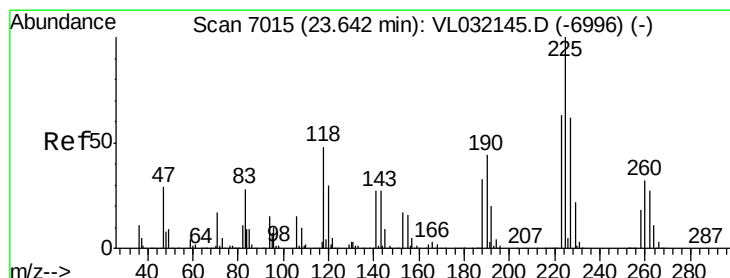
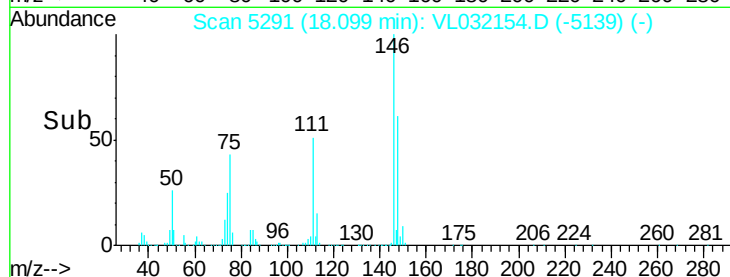
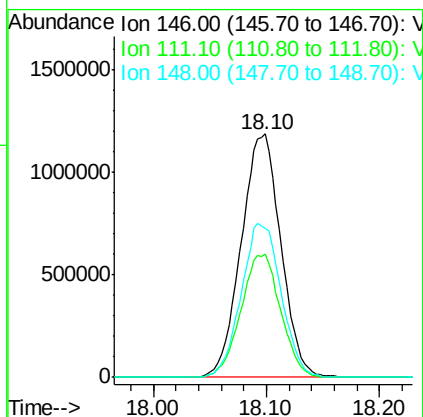
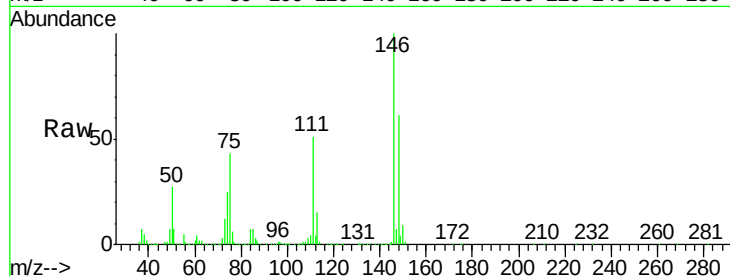
#77
 1,2-Dichlorobenzene
 Concen: 8.13 ppbv
 RT: 18.10 min Scan# 5291
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	23.4	70.3
148	63.9	32.0	96.0

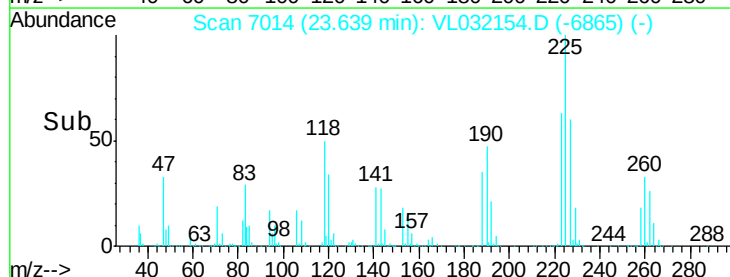
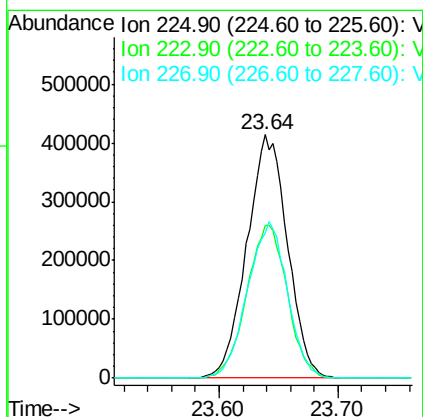
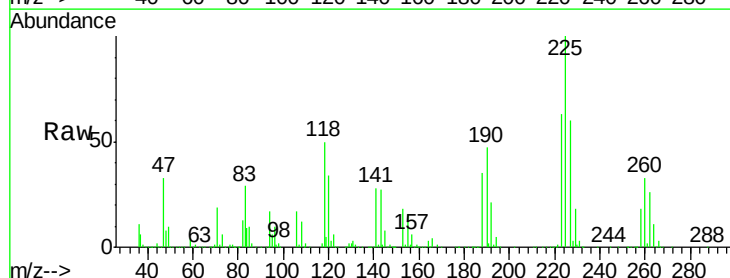
Manual Integrations
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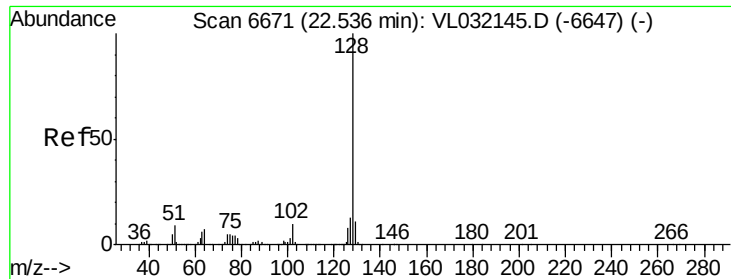
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.90 ppbv
 RT: 23.64 min Scan# 7014
 Delta R.T. -0.02 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.4
227	63.3	51.4	77.0





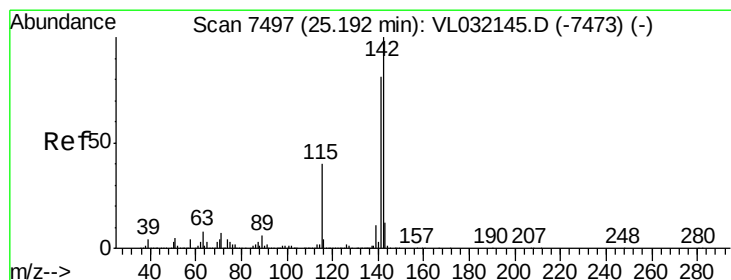
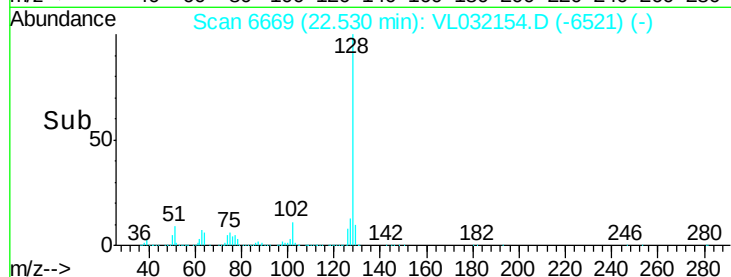
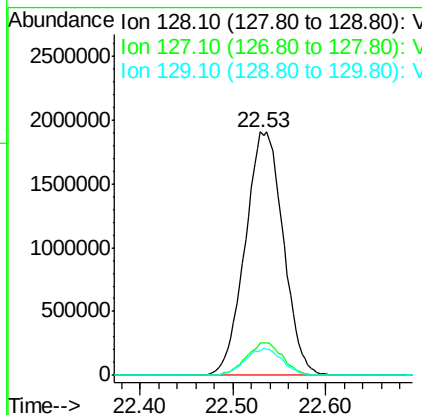
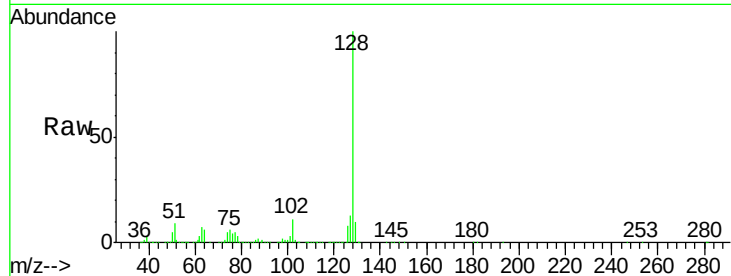
#79
Naphthalene
Concen: 9.59 ppbv
RT: 22.53 min Scan# 6669
Delta R.T. -0.02 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.1	9.0	13.6

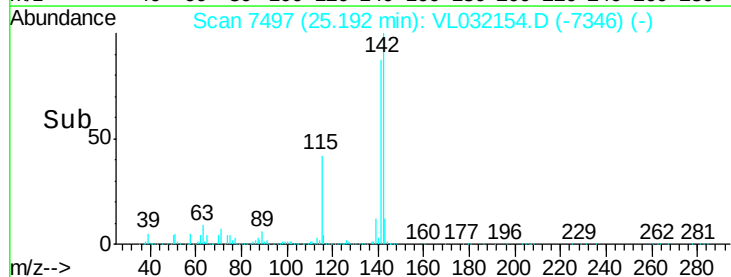
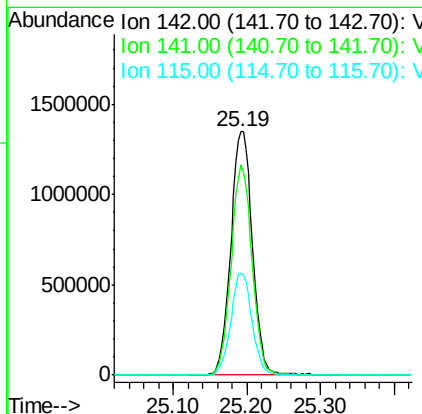
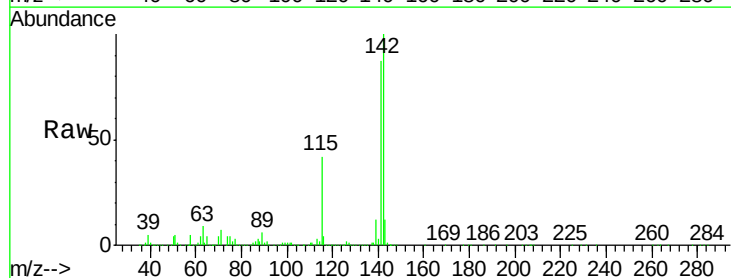
Manual Integrations
APPROVED

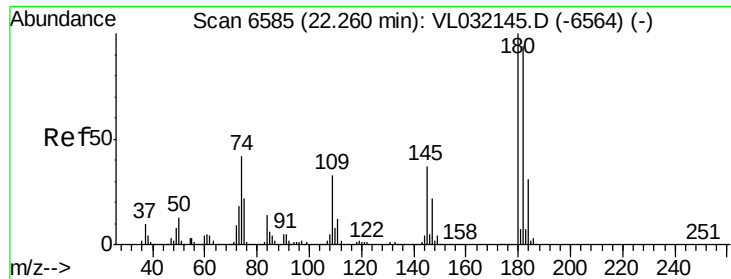
MMDadoda
7/2/2018 4:25:19 PM



#80
Naphthalene, 2-methyl-
Concen: 13.40 ppbv
RT: 25.19 min Scan# 7497
Delta R.T. -0.01 min
Lab File: VL032154.D
Acq: 30 Jun 2018 3:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	65.8	98.6
115	40.8	29.4	44.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.40 ppbv
 RT: 22.26 min Scan# 6585
 Delta R.T. -0.01 min
 Lab File: VL032154.D
 Acq: 30 Jun 2018 3:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
184	30.5	24.4	36.6

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:19 PM

