

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026179.D
 Acq On : 9 Oct 2015 16:11
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:19 PM

Quant Time: Oct 09 16:45:23 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:45:23 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	885604	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	2516951	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.78	117	2930476m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	2279007	10.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	1598813	9.63	ppbv	99
3) Chlorodifluoromethane	3.58	51	857488	8.29	ppbv	100
4) Chloromethane	3.76	50	532825	9.13	ppbv	99
5) Vinyl Chloride	3.90	62	541570	9.21	ppbv	98
6) Bromomethane	4.16	94	407942	9.64	ppbv	98
7) Chloroethane	4.25	64	238841	9.35	ppbv	97
8) Dichlorotetrafluoroethane	3.82	85	1302932	8.99	ppbv	100
9) Propene	3.60	41	439699	9.26	ppbv	99
10) Heptane	9.38	43	1500992	9.09	ppbv	99
11) Trichlorofluoromethane	4.71	101	1500914	9.21	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1003227	9.09	ppbv	100
13) Ethanol	4.34	45	65007	9.31	ppbv	99
14) Bromoethene	4.47	108	425720	9.36	ppbv	100
15) Acetone	4.62	43	918479	8.02	ppbv	100
16) 1,3-Butadiene	3.98	39	487263	9.21	ppbv	100
17) tert-Butyl alcohol	5.14	59	732172	10.61	ppbv	100
18) 1,1-Dichloroethene	5.10	96	463174	9.27	ppbv	99
19) Isopropyl Alcohol	4.76	45	454236	10.19	ppbv	99
20) Methylene Chloride	5.17	84	428902	8.80	ppbv	98
21) Allyl Chloride	5.24	41	706066	9.45	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	591003	9.24	ppbv	98
23) Vinyl Acetate	6.01	43	1889744	9.33	ppbv	100
24) 1,1-Dichloroethane	5.93	63	1271114	9.20	ppbv	99
25) Ethyl Acetate	6.69	43	2003778	9.05	ppbv	100
26) Hexane	6.68	57	973924	9.08	ppbv	99
27) Carbon Disulfide	5.41	76	1287892	10.03	ppbv	100
28) Methyl tert-Butyl Ether	5.98	73	1636590	9.47	ppbv	99
29) Chloroform	6.78	83	1458390	9.18	ppbv	99
30) Cyclohexane	8.31	84	967046	9.47	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	939202	9.61	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1457463	9.60	ppbv	100
34) 2-Butanone	6.22	43	1273355	9.09	ppbv	100
35) Carbon Tetrachloride	8.19	117	1520824	9.54	ppbv	99
36) Benzene	8.05	78	2180776	9.06	ppbv	98
37) 1,2-Dichloroethane	7.40	62	1172061	9.09	ppbv	99
38) Trichloroethene	9.09	130	870647	7.88	ppbv	99
39) 1,2-Dichloropropane	8.85	63	796976	8.91	ppbv	99
40) 1,4-Dioxane	9.15	88	181166	12.31	ppbv #	1
41) Tetrahydrofuran	7.15	42	766306	9.71	ppbv	98
42) Bromodichloromethane	9.06	83	1604157	9.45	ppbv	98
43) Methyl Methacrylate	9.29	69	843675	9.95	ppbv	100

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Quant Time: Oct 09 16:45:23 2015
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:45:23 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	3516121	8.78	ppbv	100
45) t-1,3-Dichloropropene	10.68	75	1229092	10.53	ppbv	99
46) cis-1,3-Dichloropropene	10.05	75	1455536	10.16	ppbv	99
47) 1,1,2-Trichloroethane	10.91	97	960164	8.95	ppbv	98
48) Dibromochloromethane	11.84	129	1478451	9.72	ppbv	99
49) Bromoform	14.85	173	1167871	10.20	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	1785364	9.64	ppbv	100
51) 2-Hexanone	11.65	43	1696107	10.18	ppbv #	100
52) Tetrachloroethene	12.82	164	921062	7.75	ppbv	98
53) Toluene	11.27	91	2847561	9.18	ppbv	100
54) 1,2-Dibromoethane	12.18	107	1450208	9.02	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.82	131	1073736	9.14	ppbv	98
57) Chlorobenzene	13.85	112	2312974	8.74	ppbv	99
58) Ethyl Benzene	14.44	91	3981187	9.35	ppbv	99
59) m/p-Xylene	14.75	91	6174065	18.07	ppbv	100
60) o-Xylene	15.52	91	3135057	8.76	ppbv	100
61) Styrene	15.35	104	1511579	10.32	ppbv	100
62) Isopropylbenzene	16.58	105	4326513	9.17	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.52	83	2077646	7.81	ppbv	100
64) n-propylbenzene	17.55	120	1174921	9.25	ppbv	97
65) tert-Butylbenzene	18.85	119	3690776	8.87	ppbv	100
66) Benzyl Chloride	19.14	91	1377426	11.14	ppbv	100
67) sec-Butylbenzene	19.44	105	5298671	9.13	ppbv	100
69) p-Isopropyltoluene	19.83	119	4359279	9.39	ppbv	100
70) n-Butylbenzene	20.79	91	4203028	9.44	ppbv	100
71) 2-Chlorotoluene	17.46	91	3219210	9.34	ppbv	99
72) 4-Ethyltoluene	17.85	105	3625159	9.49	ppbv	100
73) 1,3,5-Trimethylbenzene	18.02	105	3349033	9.33	ppbv	98
74) 1,2,4-Trimethylbenzene	18.87	105	3325262	8.83	ppbv	96
75) 1,3-Dichlorobenzene	19.16	146	2139815	8.89	ppbv	100
76) 1,4-Dichlorobenzene	19.31	146	2208927	9.09	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	2100749	8.92	ppbv	100
78) Hexachloro-1,3-Butadiene	24.70	225	711942	7.53	ppbv	99
79) Naphthalene	23.95	128	2101260	8.89	ppbv	100
80) Naphthalene, 2-methyl-	26.07	142	379984	7.16	ppbv	100
81) 1,2,4-Trichlorobenzene	23.76	180	1007176	8.60	ppbv	100

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

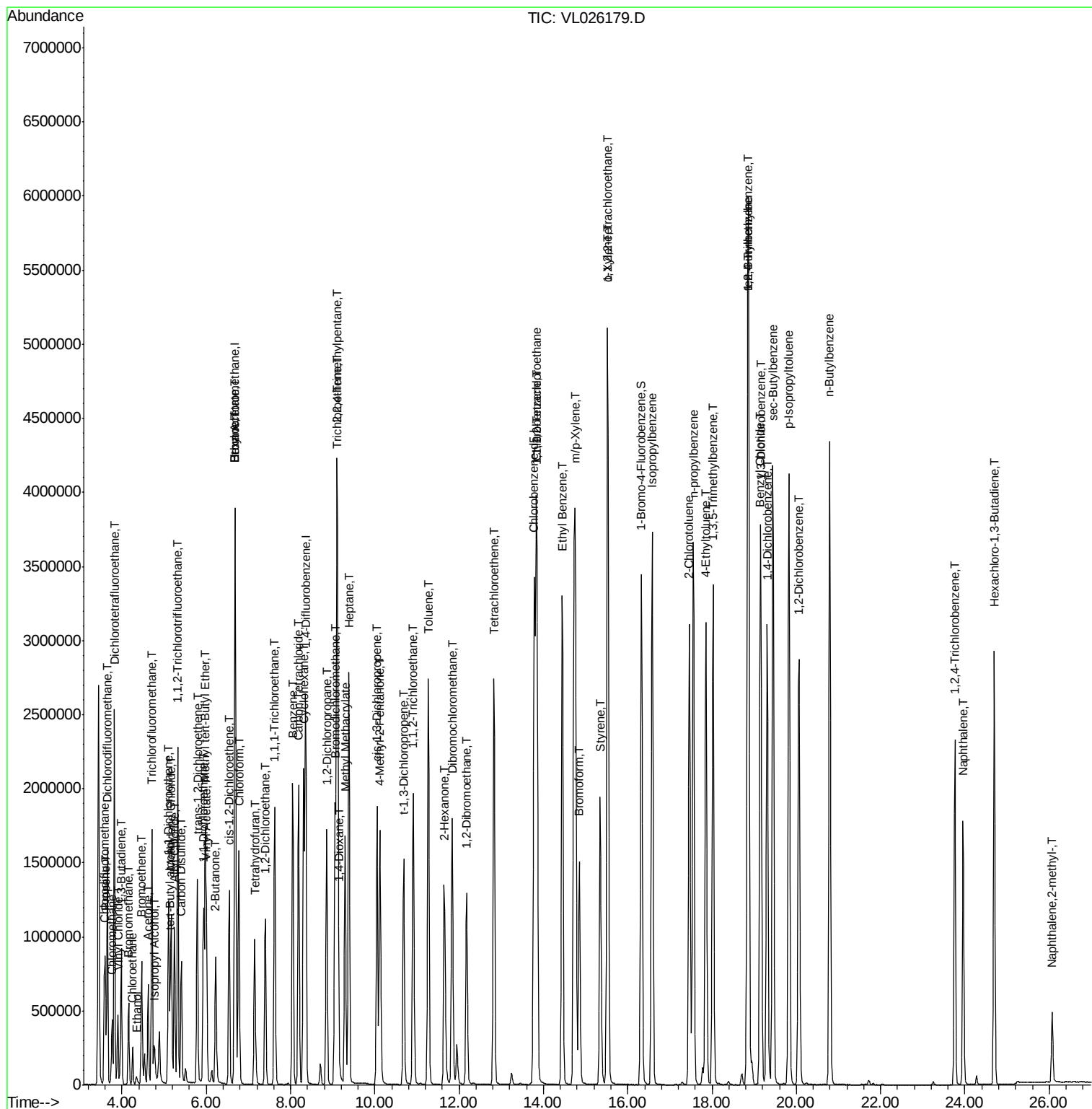
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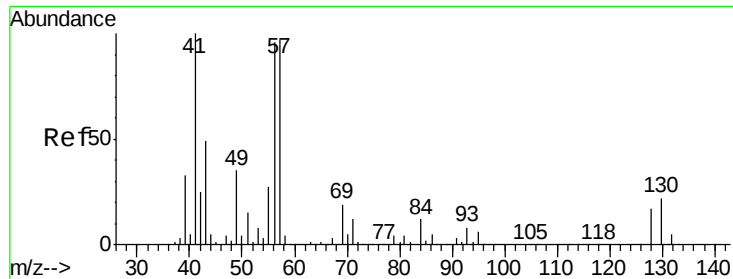
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

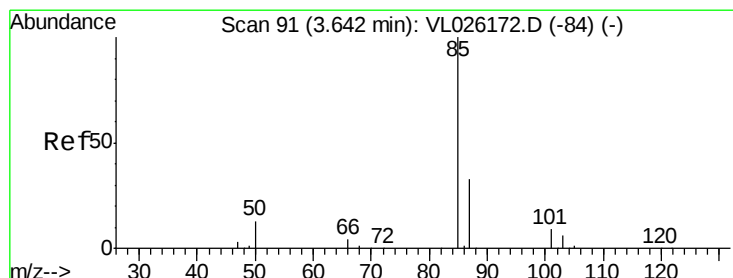
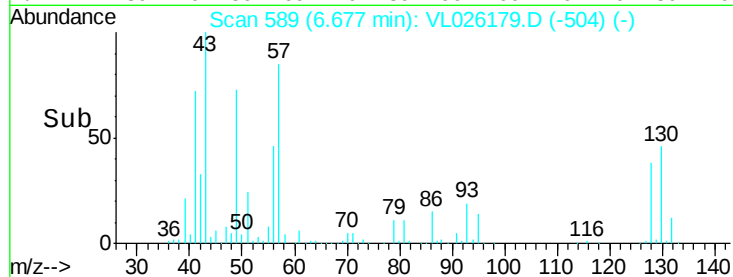
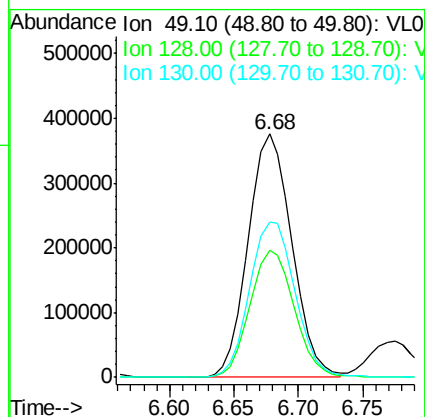
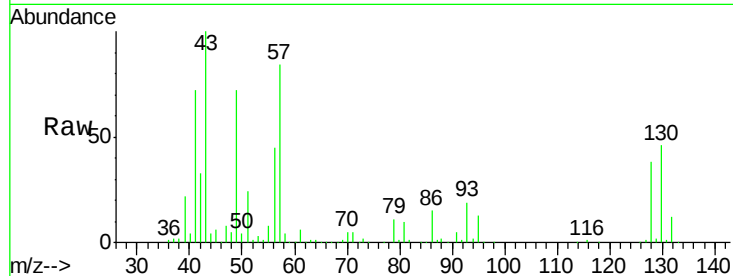
ClientSampleId :

ICVVL100915

Tot Ion: 49 Resp: 885604
 Ion Ratio Lower Upper
 49 100
 128 53.1 26.3 78.8
 130 67.0 34.2 102.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.63 ppbv

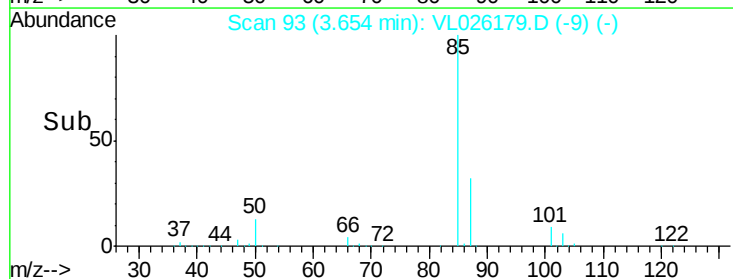
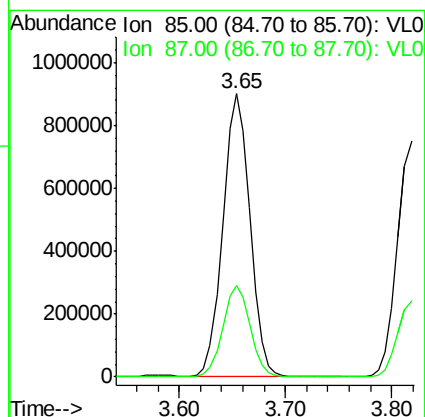
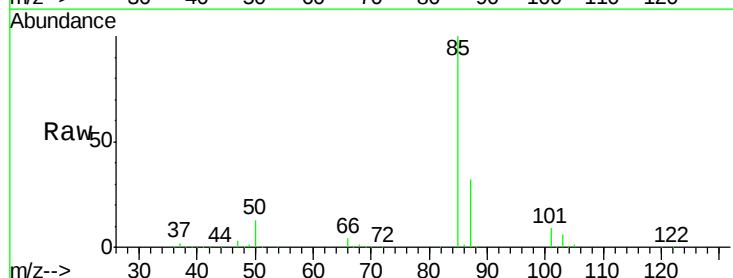
RT: 3.65 min Scan# 93

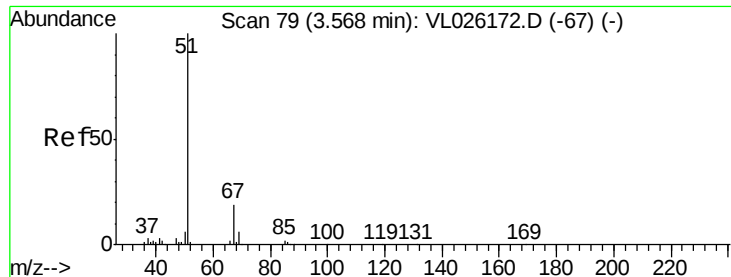
Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion: 85 Resp: 1598813
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.29 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tot Ion: 51 Resp: 857488

Ion Ratio Lower Upper

51 100

67 18.6 14.9 22.3

Instrument :

MSVOA_L

ClientSampleId :

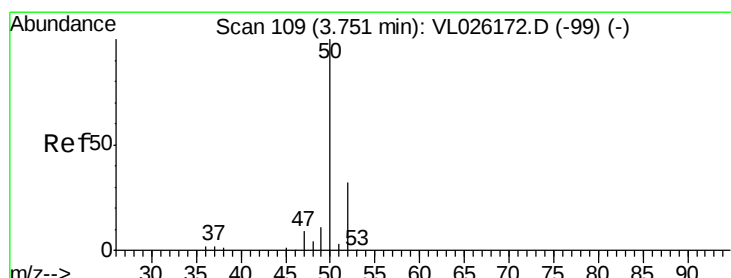
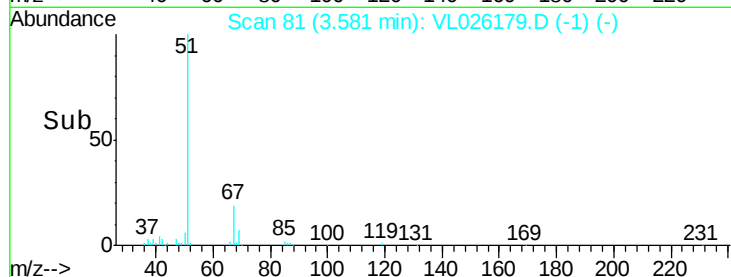
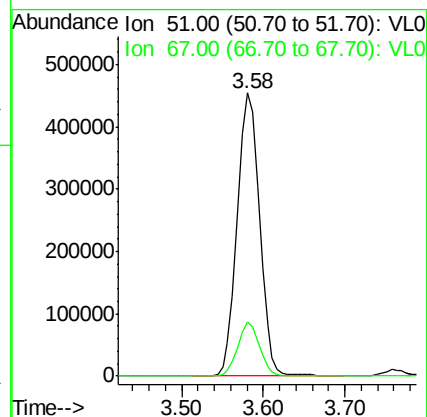
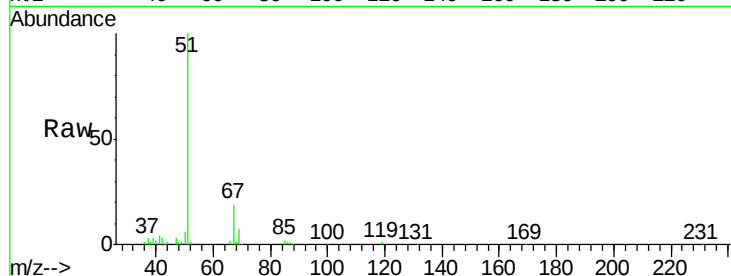
ICVVL100915

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#4

Chloromethane

Concen: 9.13 ppbv

RT: 3.76 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL026179.D

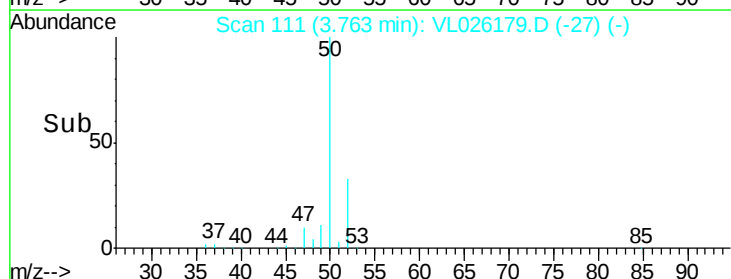
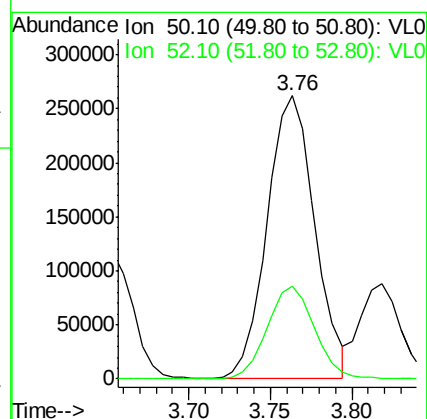
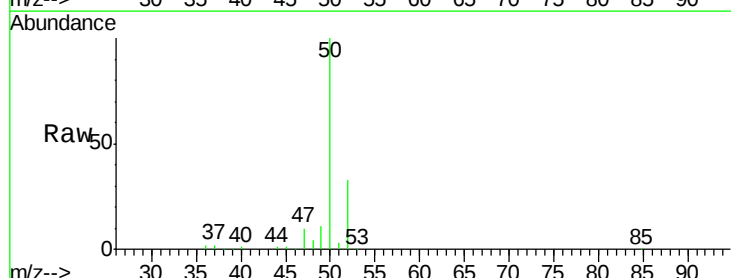
Acq: 9 Oct 2015 16:11

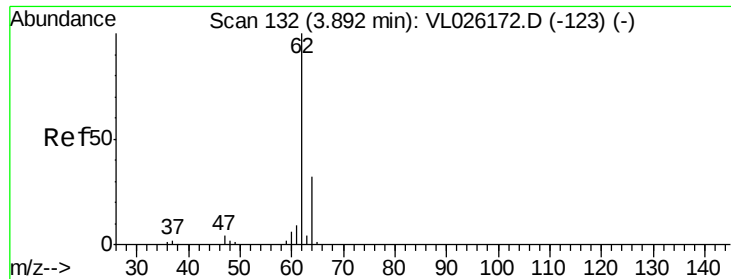
Tgt Ion: 50 Resp: 532825

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9





#5

Vinyl Chloride

Concen: 9.21 ppbv

RT: 3.90 min Scan# 134

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 62 Resp: 541570

Ion Ratio Lower Upper

62 100

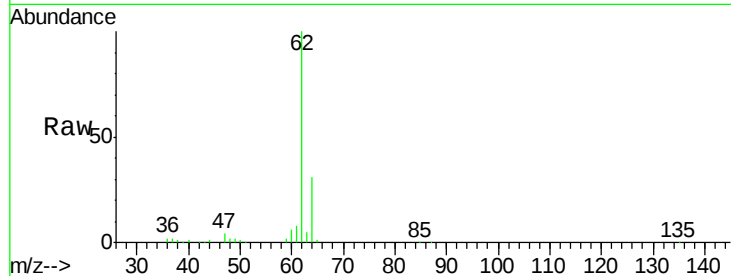
64 30.7 25.6 38.4

Manual Integrations

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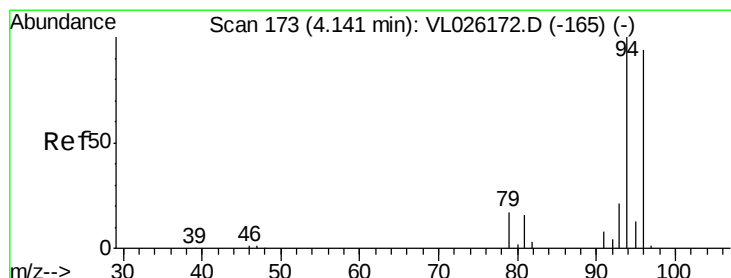
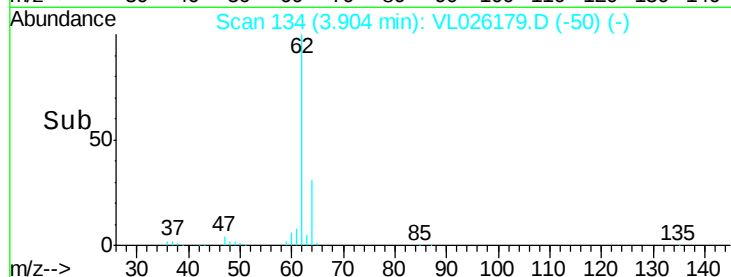
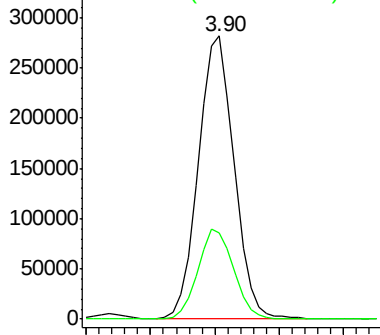
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.64 ppbv

RT: 4.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VL026179.D

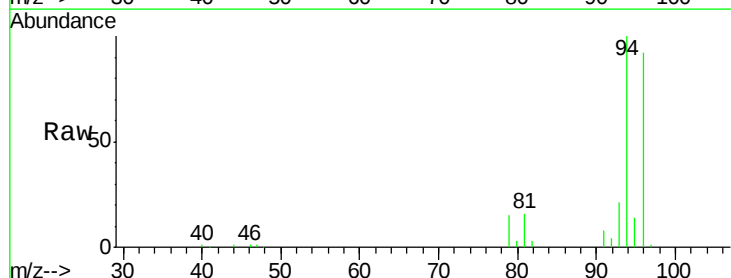
Acq: 9 Oct 2015 16:11

Tgt Ion: 94 Resp: 407942

Ion Ratio Lower Upper

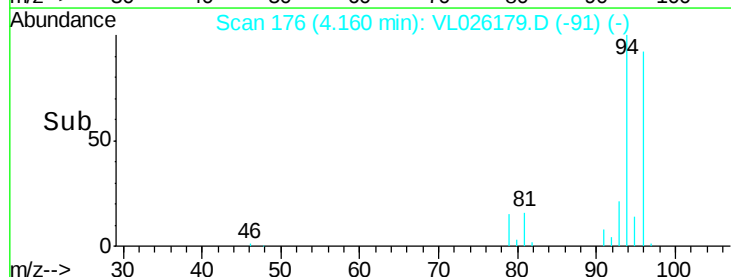
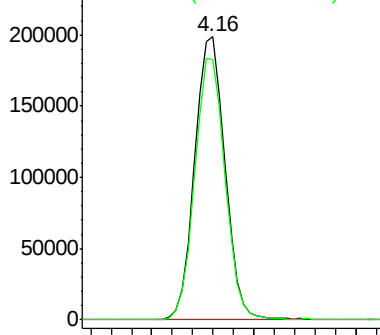
94 100

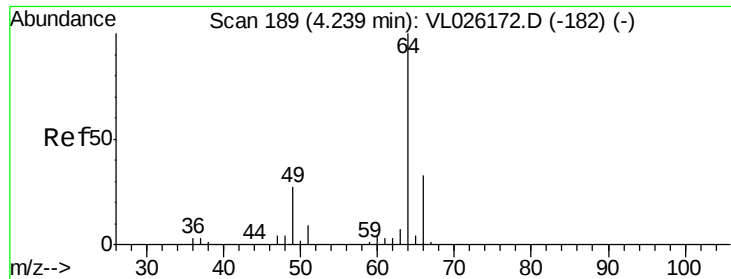
96 92.1 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.35 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 64 Resp: 238841

Ion Ratio Lower Upper

64 100

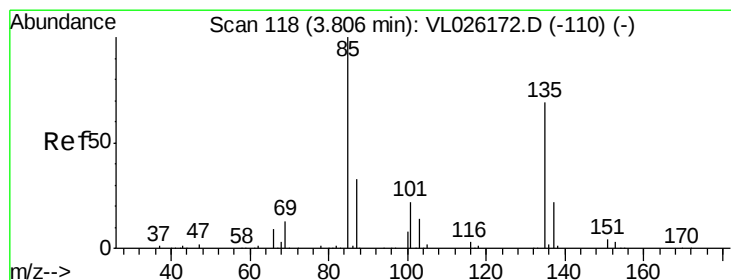
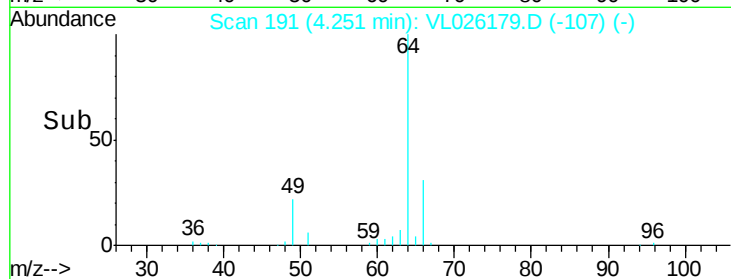
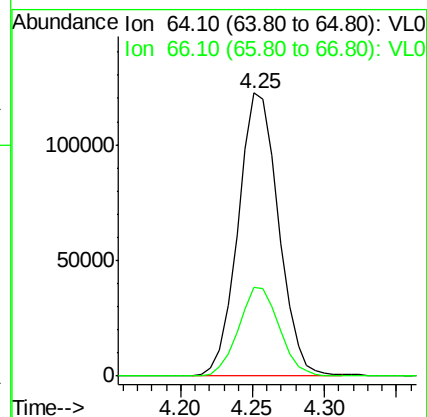
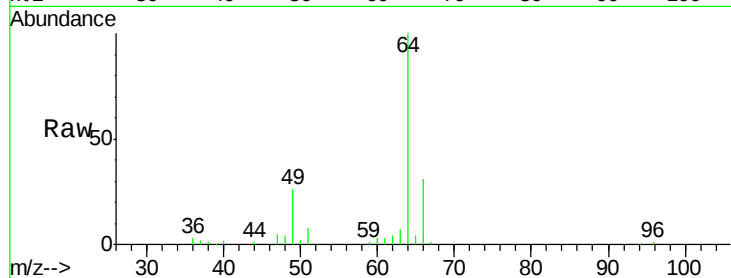
66 31.3 26.5 39.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.99 ppbv

RT: 3.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VL026179.D

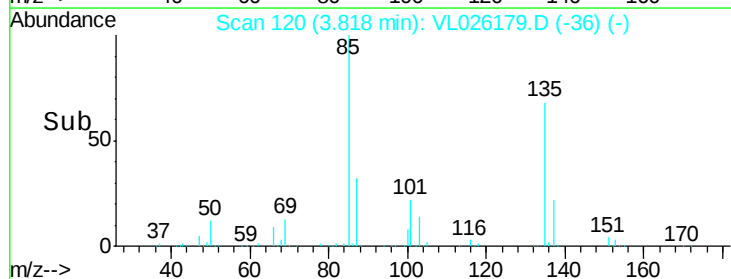
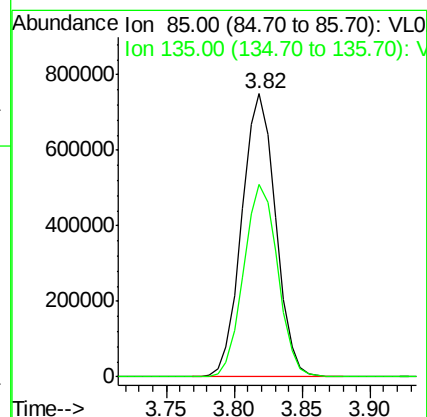
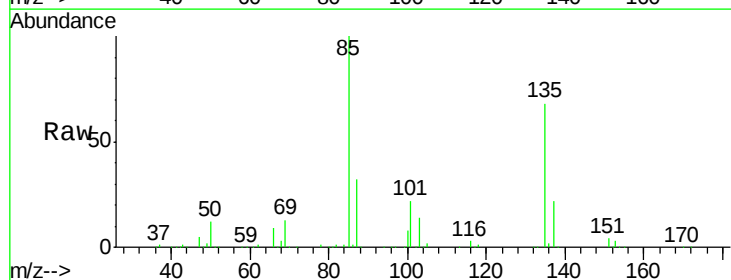
Acq: 9 Oct 2015 16:11

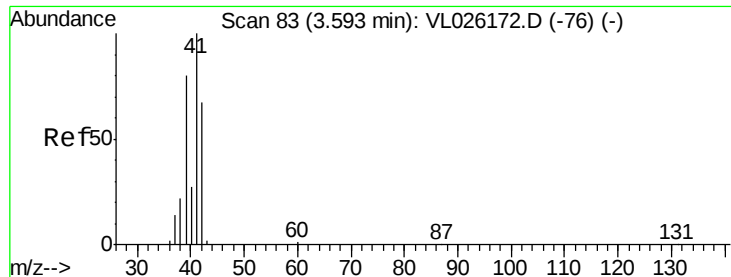
Tgt Ion: 85 Resp: 1302932

Ion Ratio Lower Upper

85 100

135 69.1 55.3 82.9





#9

Propene

Concen: 9.26 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 41 Resp: 439699

Ion Ratio Lower Upper

41 100

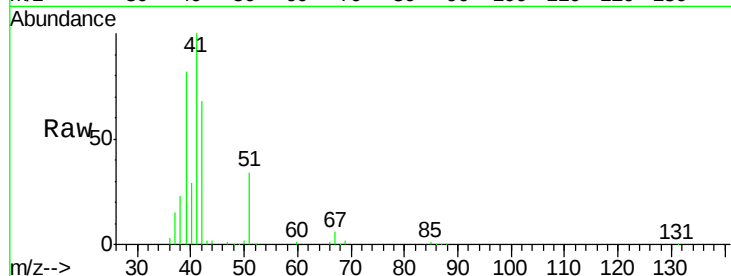
42 67.5 53.6 80.4

Manual Integrations

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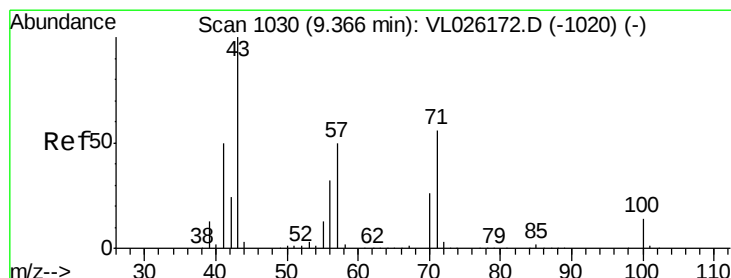
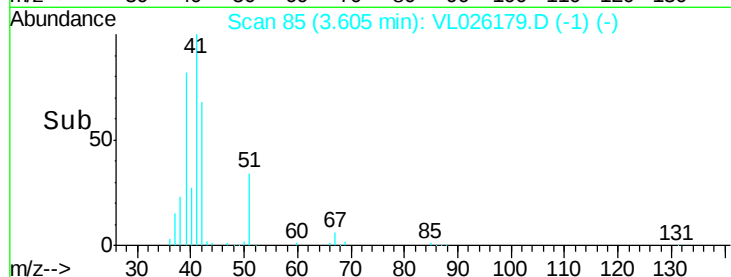
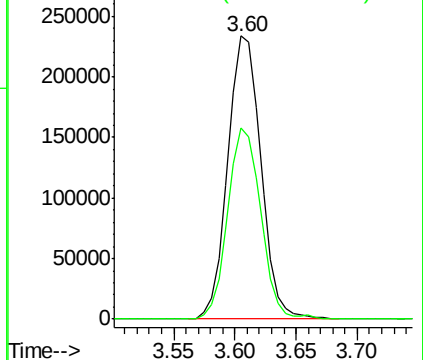
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.09 ppbv

RT: 9.38 min Scan# 1033

Delta R.T. 0.02 min

Lab File: VL026179.D

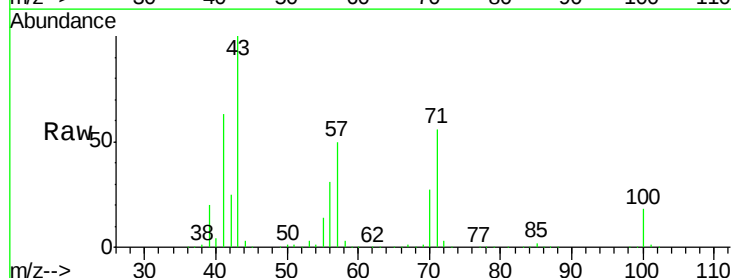
Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1500992

Ion Ratio Lower Upper

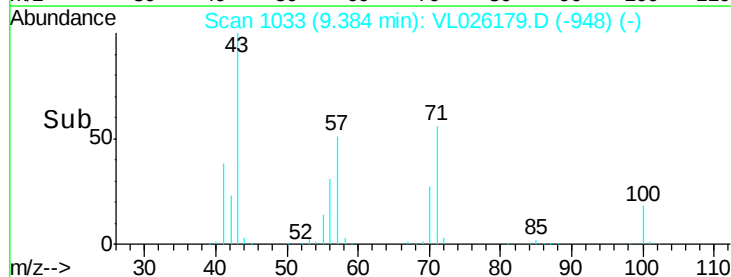
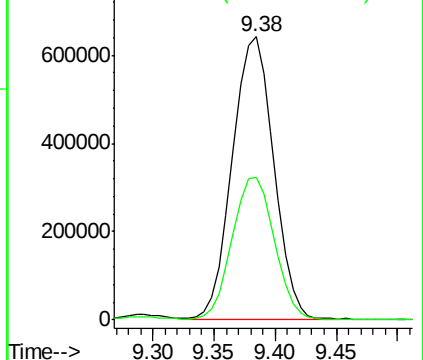
43 100

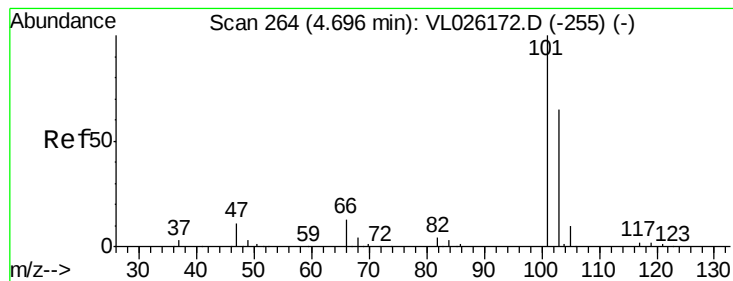
57 53.1 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.21 ppbv

RT: 4.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tot Ion:101 Resp: 1500914

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9

Instrument :

MSVOA_L

ClientSampleId :

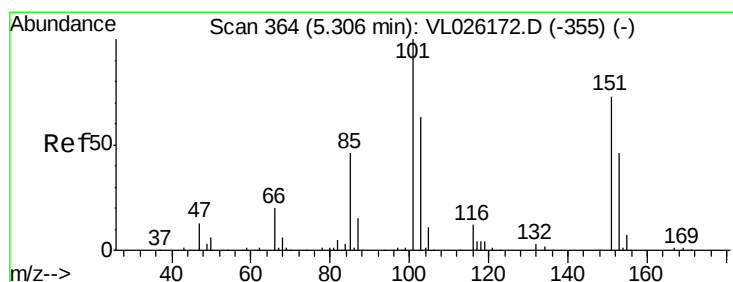
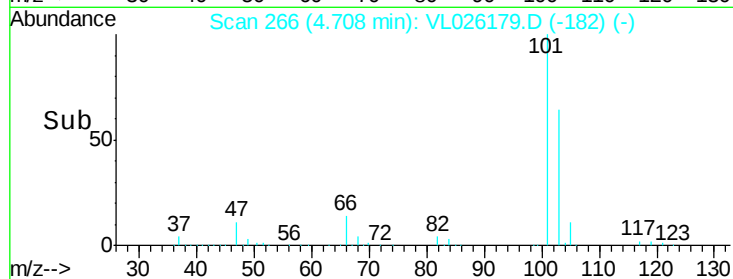
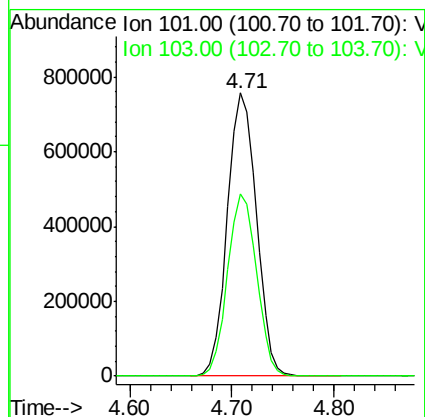
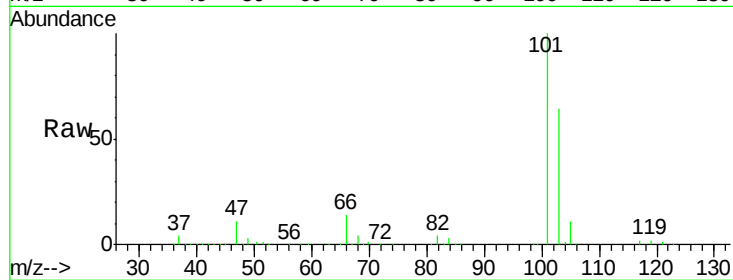
ICVVL100915

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.09 ppbv

RT: 5.32 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL026179.D

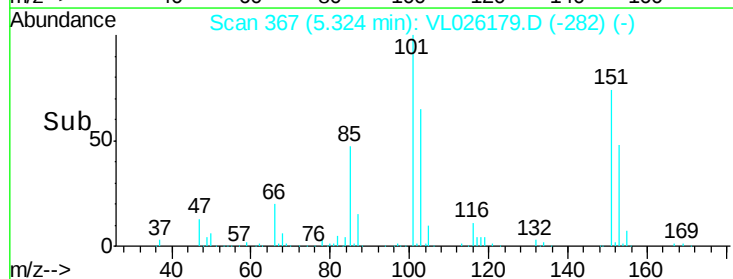
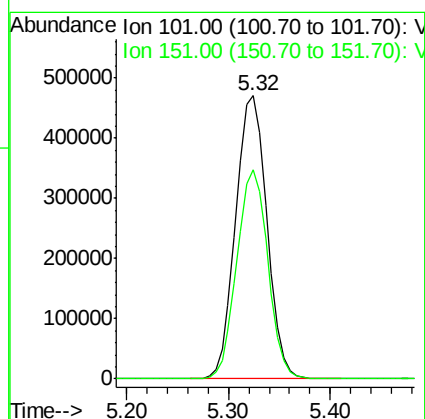
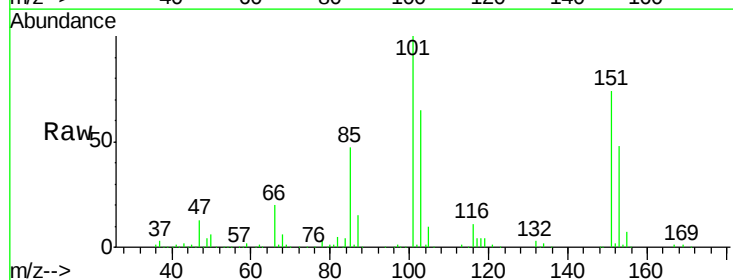
Acq: 9 Oct 2015 16:11

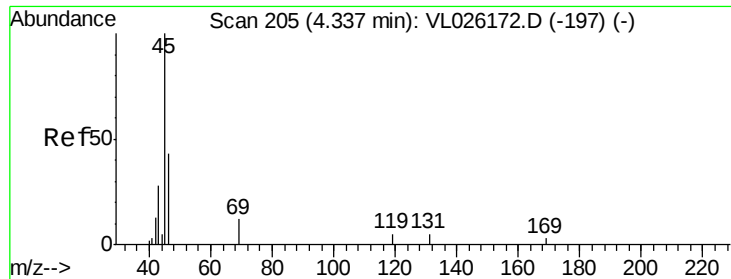
Tgt Ion:101 Resp: 1003227

Ion Ratio Lower Upper

101 100

151 73.4 59.0 88.6





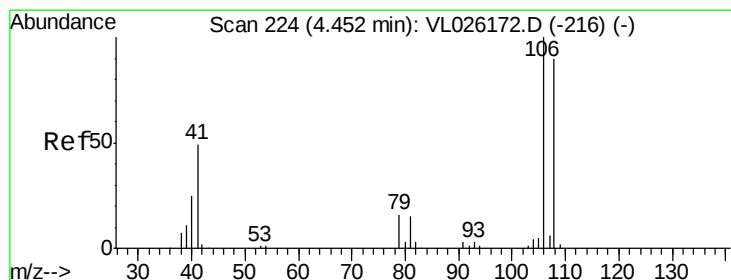
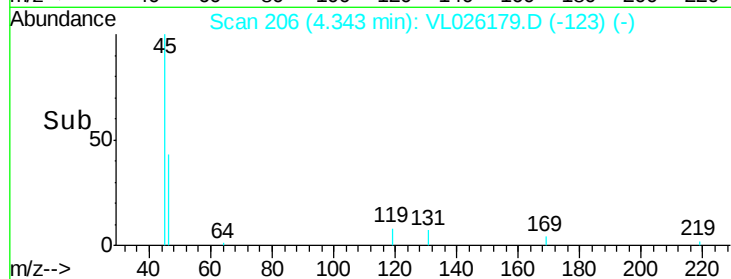
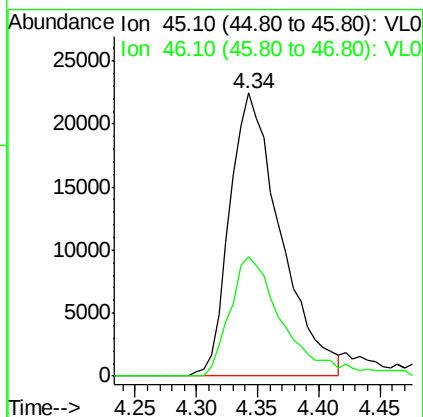
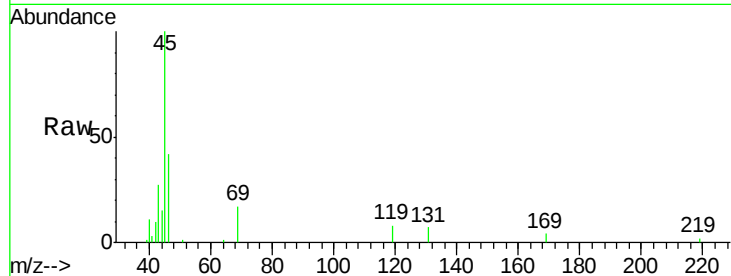
#13
Ethanol
Concen: 9.31 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 45 Resp: 65007
Ion Ratio Lower Upper
45 100
46 44.8 18.1 72.5

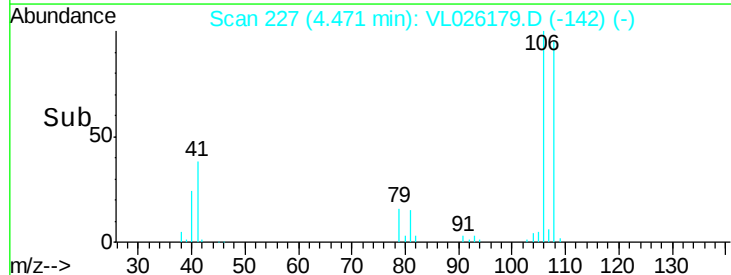
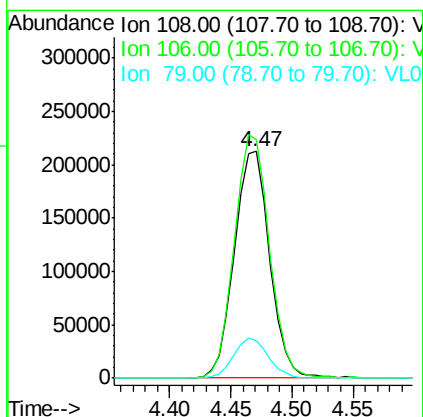
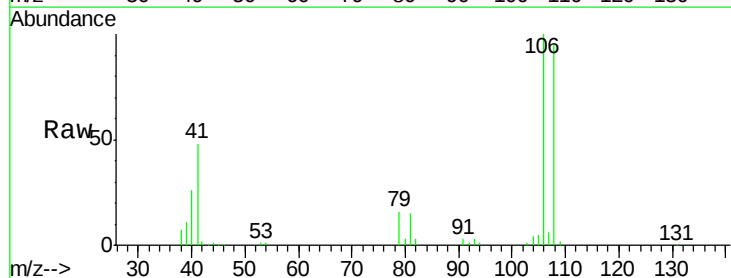
Manual Integrations
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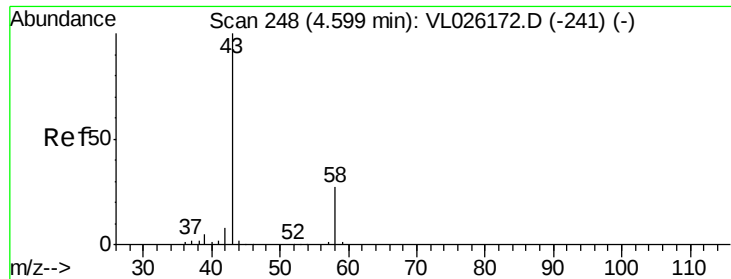
MMdadoda
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#14
Bromoethene
Concen: 9.36 ppbv
RT: 4.47 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 108 Resp: 425720
Ion Ratio Lower Upper
108 100
106 107.5 85.9 128.9
79 17.5 14.0 21.0





#15

Acetone

Concen: 8.02 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 43 Resp: 918479

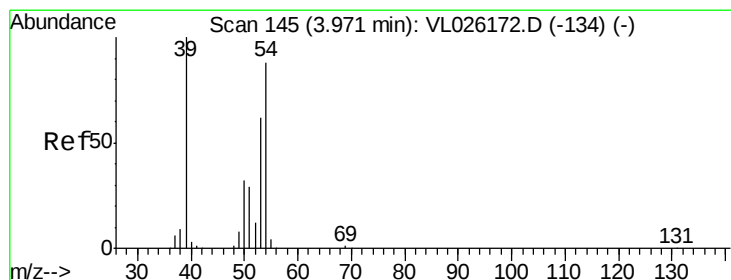
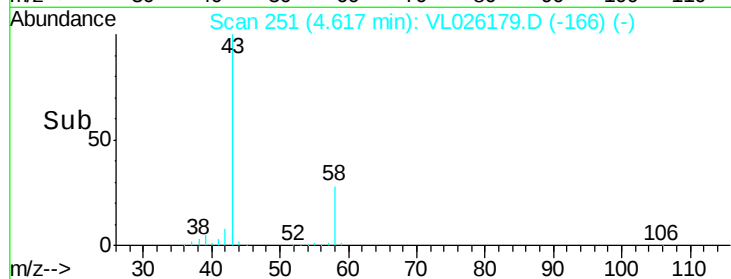
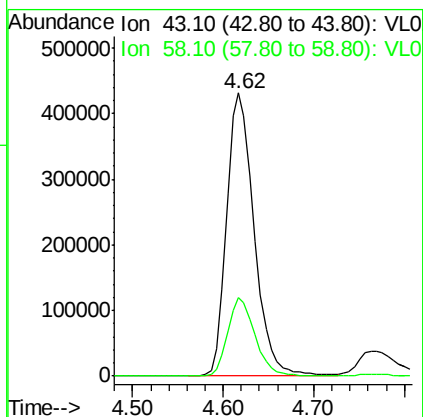
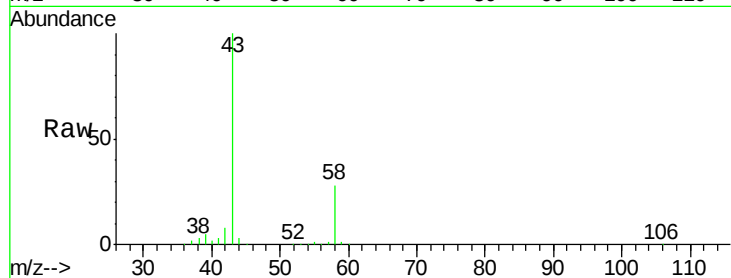
Ion Ratio Lower Upper

43 100

58 27.6 22.0 33.0

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.21 ppbv

RT: 3.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL026179.D

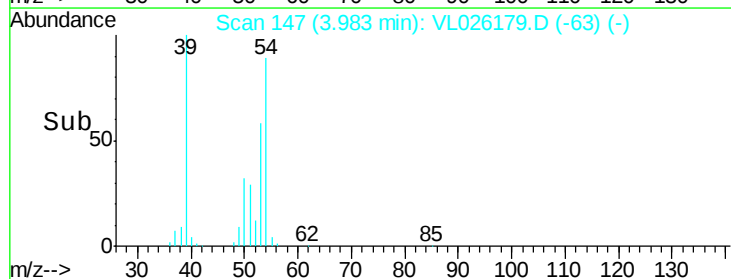
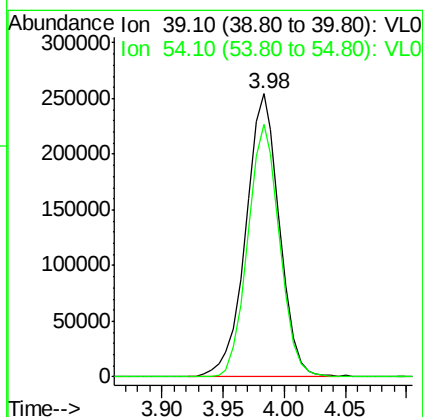
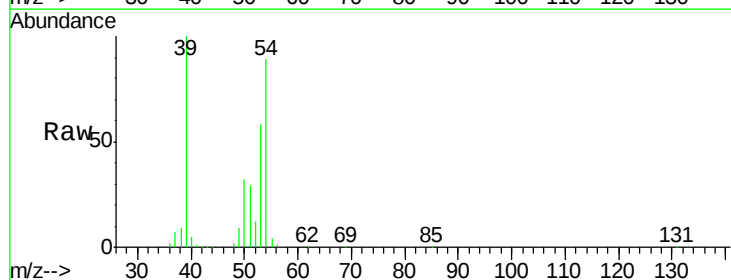
Acq: 9 Oct 2015 16:11

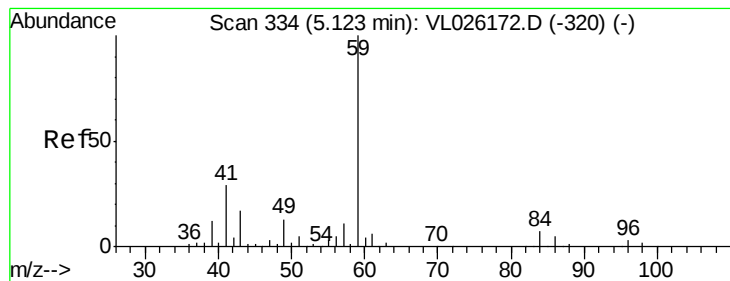
Tgt Ion: 39 Resp: 487263

Ion Ratio Lower Upper

39 100

54 84.6 67.9 101.9





#17

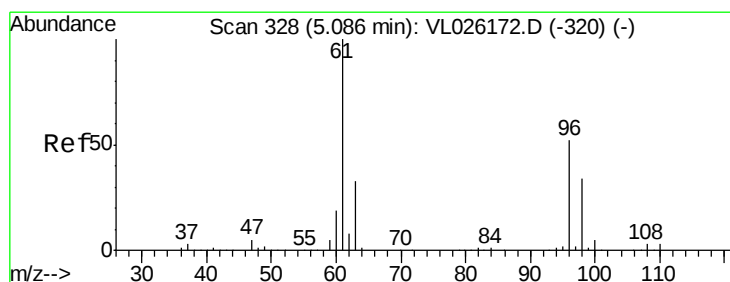
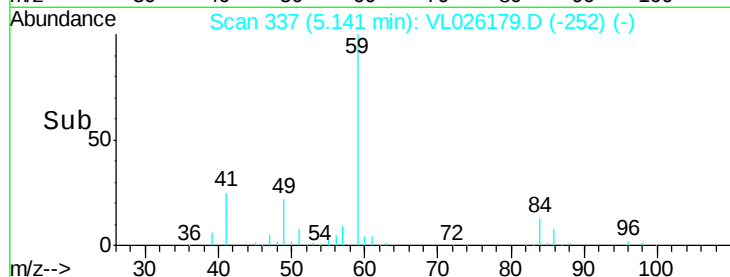
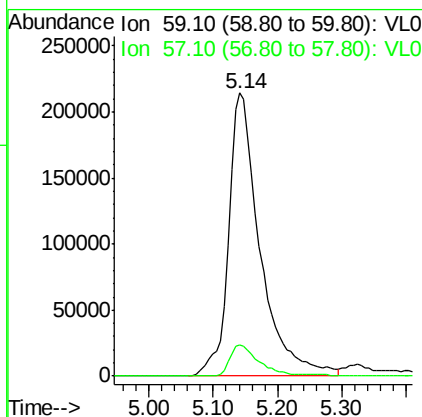
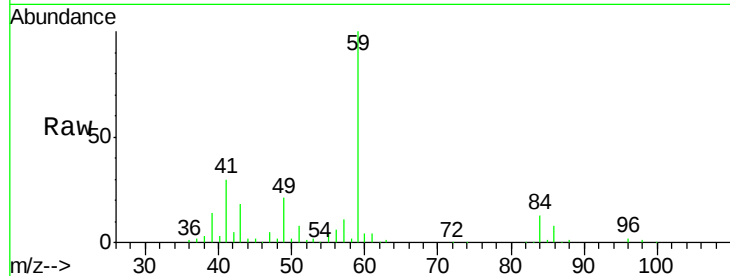
tert-Butyl alcohol
 Concen: 10.61 ppbv
 RT: 5.14 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion	59	57	Ratio	100	Resp	732172
Lower	8.8					
Upper	13.2					

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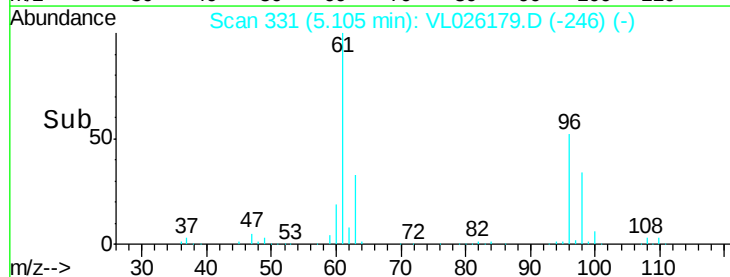
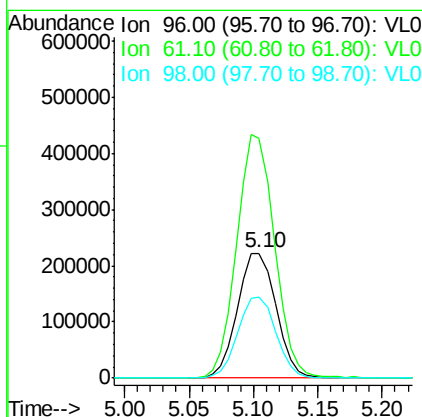
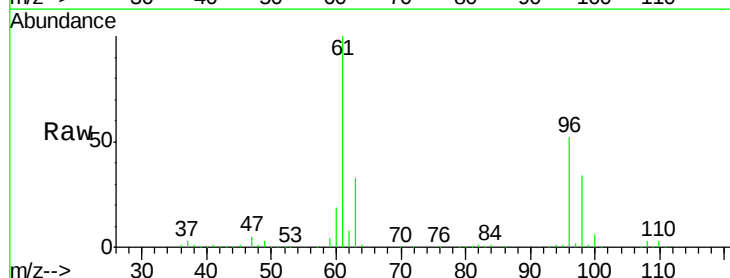
MMdadoda
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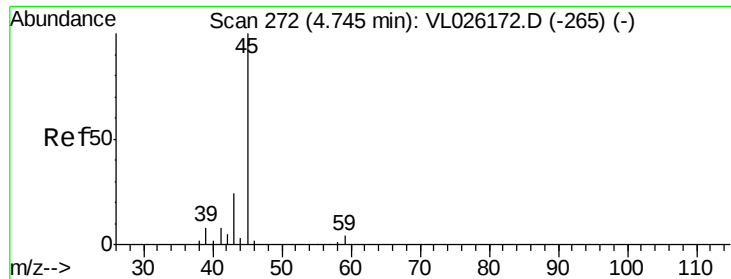


#18

1,1-Dichloroethene
 Concen: 9.27 ppbv
 RT: 5.10 min Scan# 331
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion	96	61	98	Ratio	100	Resp	463174
Lower	153.2	52.1					
Upper	229.8	78.1					





#19

Isopropyl Alcohol

Concen: 10.19 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 45 Resp: 454236

Ion Ratio Lower Upper

45 100

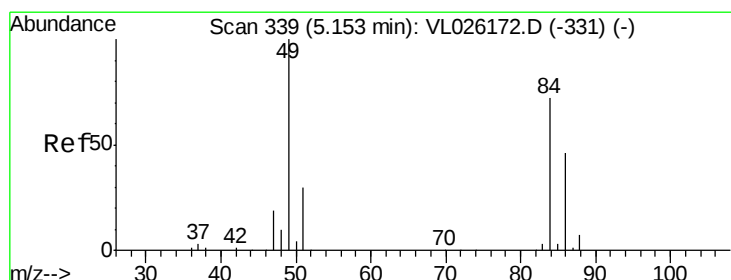
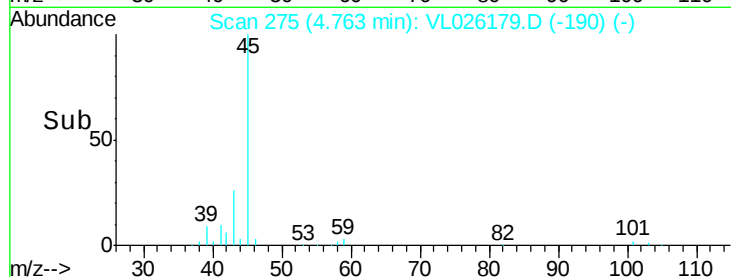
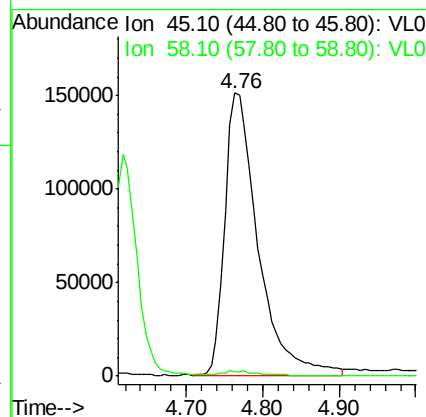
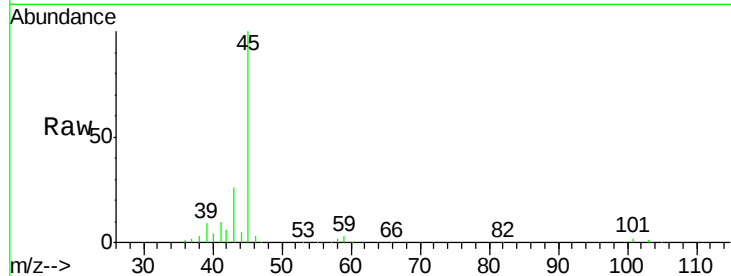
58 2.3 1.7 2.5

Manual Integrations

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#20

Methylene Chloride

Concen: 8.80 ppbv

RT: 5.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion: 84 Resp: 428902

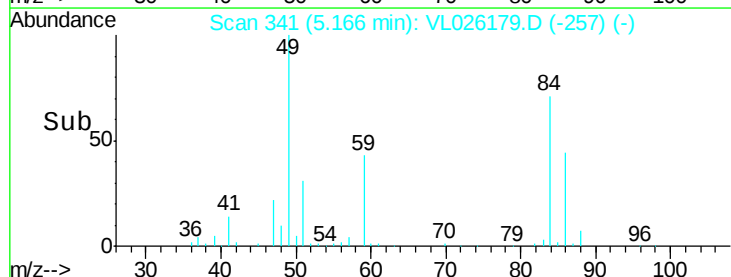
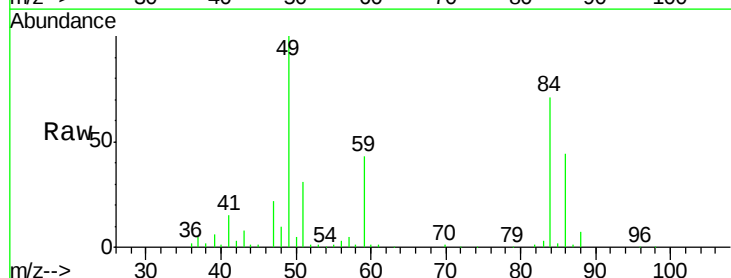
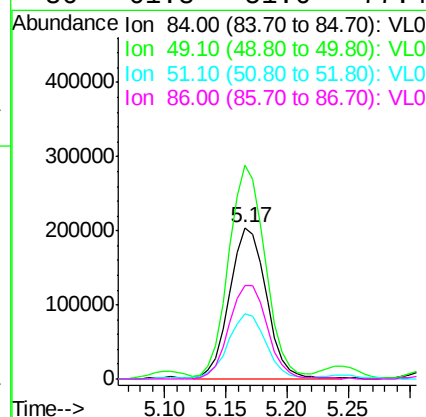
Ion Ratio Lower Upper

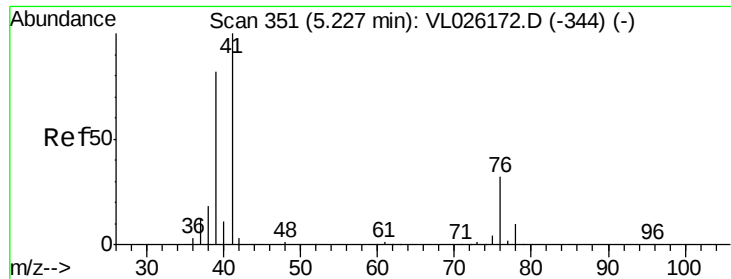
84 100

49 139.8 111.3 166.9

51 42.9 33.0 49.6

86 61.8 51.6 77.4





#21

Allvl Chloride

Concen: 9.45 ppbv

RT: 5.24 min Scan# 354

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

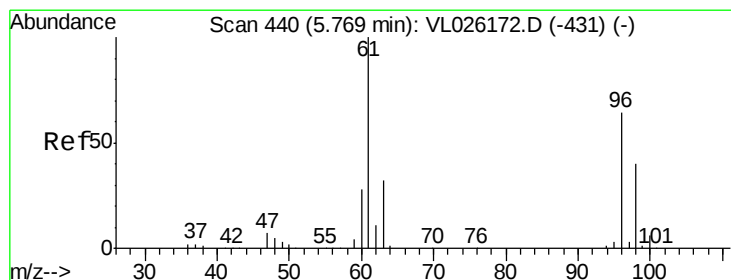
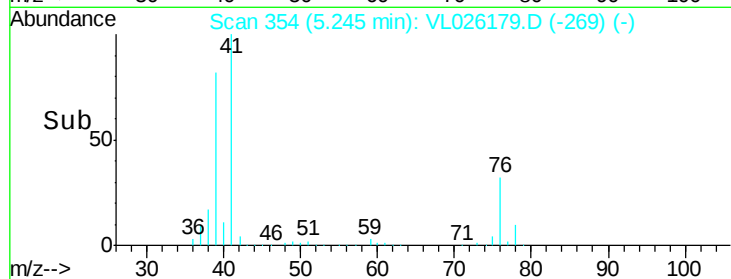
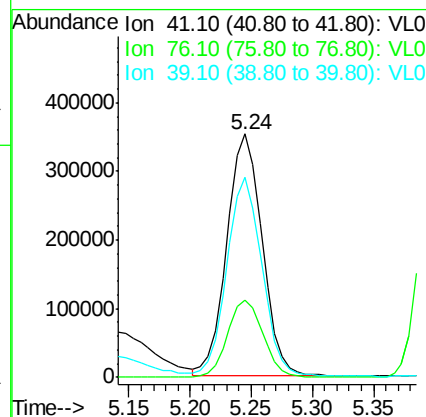
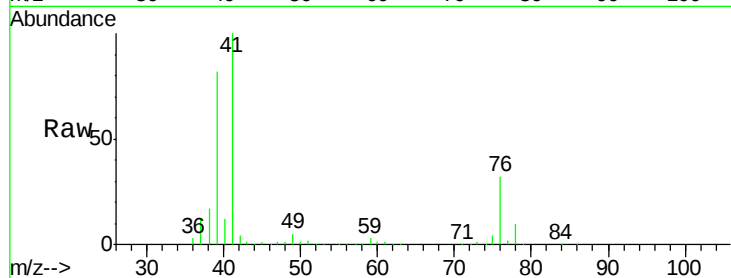
ClientSampleId :

ICVVL100915

Tot Ion:	41	Resp:	706066
Ion Ratio	Lower	Upper	
41	100		
76	32.1	25.4	38.2
39	82.6	66.5	99.7

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#22

trans-1,2-Dichloroethene

Concen: 9.24 ppbv

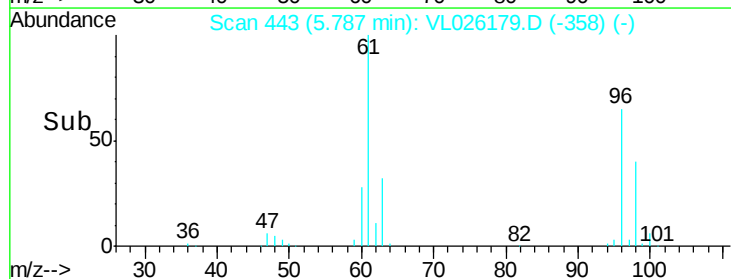
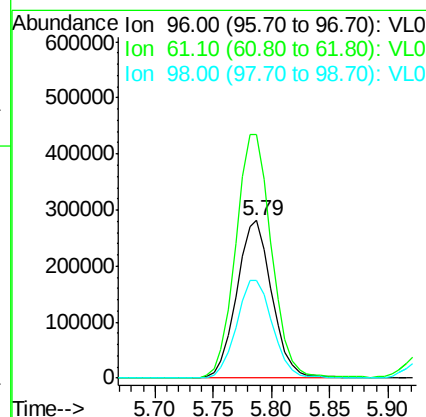
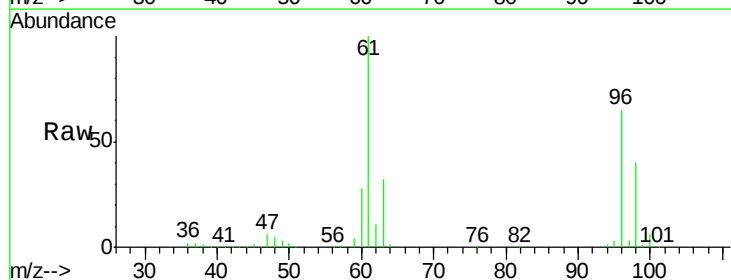
RT: 5.79 min Scan# 443

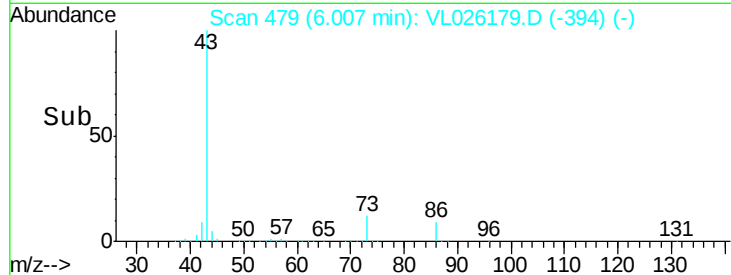
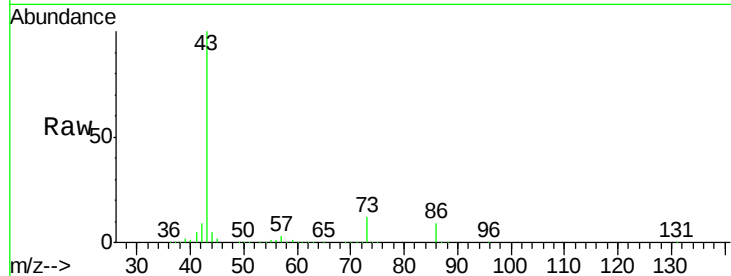
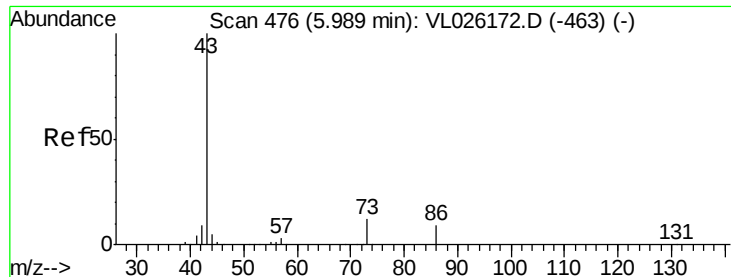
Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:	96	Resp:	591003
Ion Ratio	Lower	Upper	
96	100		
61	154.5	125.8	188.6
98	61.9	50.6	75.8





#23

Vinyl Acetate

Concen: 9.33 ppbv

RT: 6.01 min Scan# 479

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tot Ion:	43	Resp:	1889744
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8
42	9.3	7.4	11.2
44	5.0	3.9	5.9

Instrument :

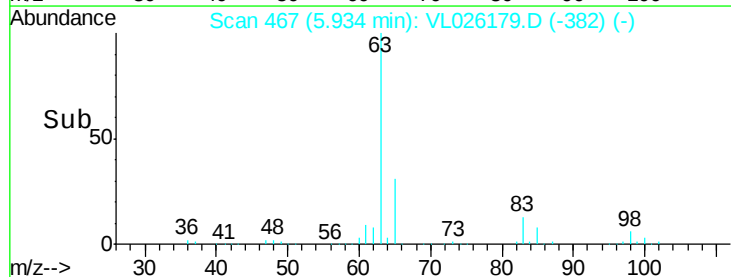
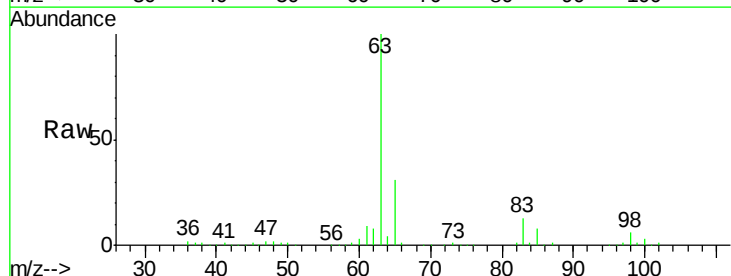
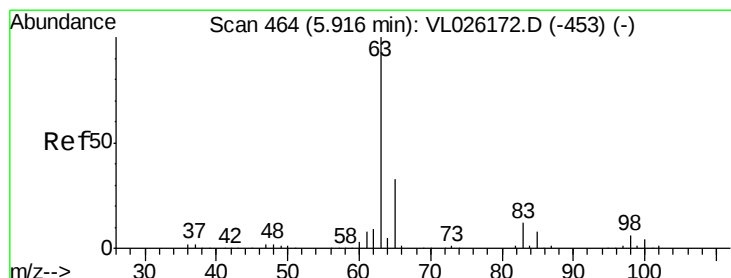
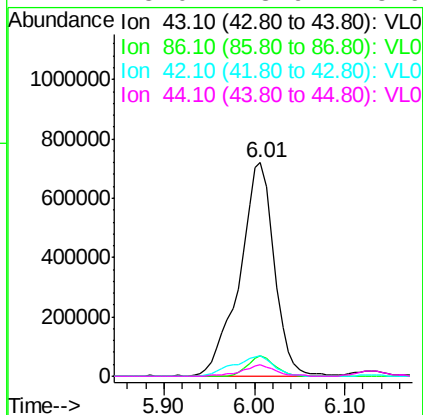
MSVOA_L

ClientSampleId :

ICVVL100915

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#24

1,1-Dichloroethane

Concen: 9.20 ppbv

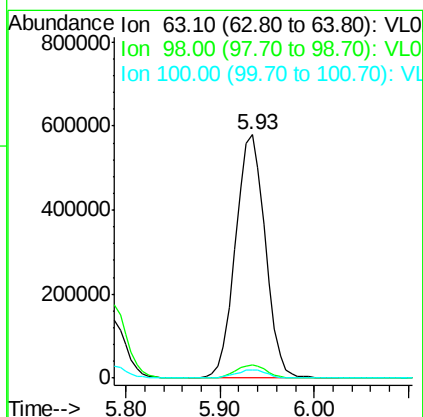
RT: 5.93 min Scan# 467

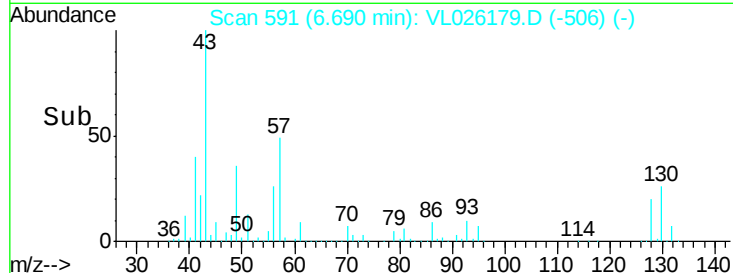
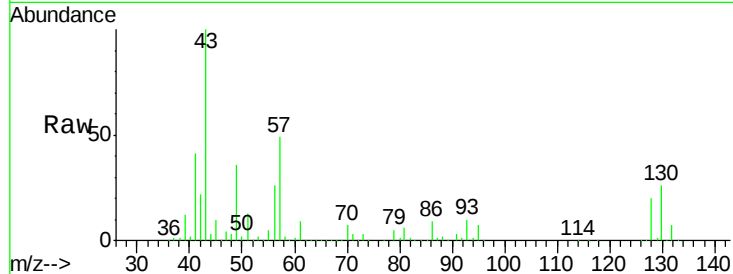
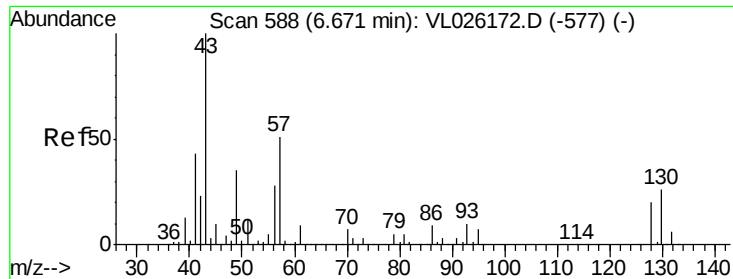
Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:	63	Resp:	1271114
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.7
100	3.4	1.8	5.5





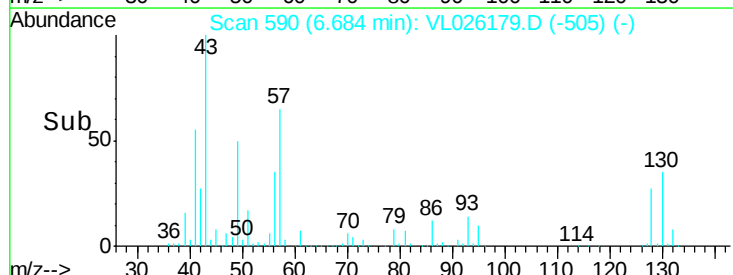
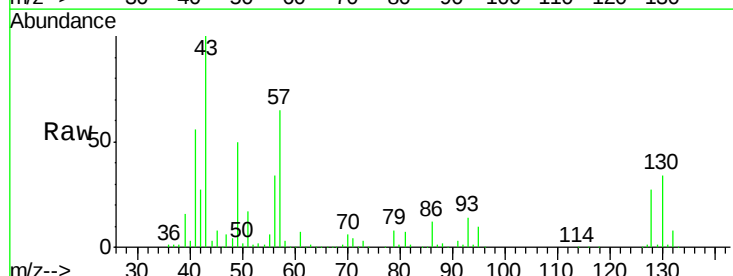
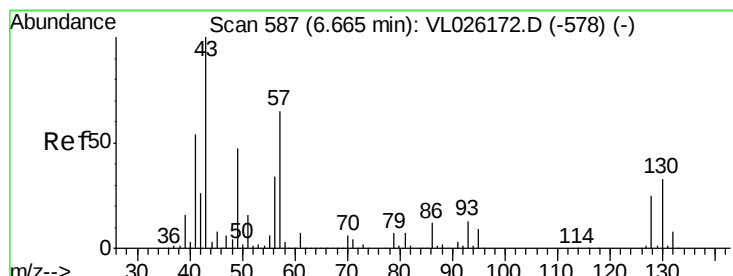
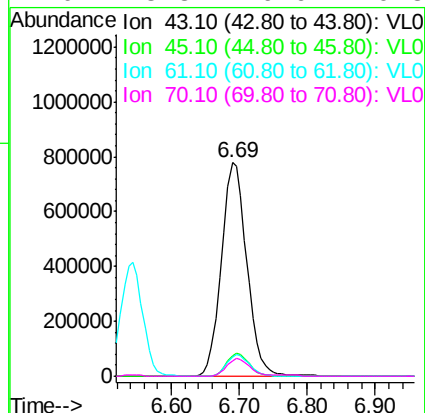
#25
Ethyl Acetate
Concen: 9.05 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.7	11.5	
61	9.4	7.4	11.2	
70	8.3	6.6	9.8	

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

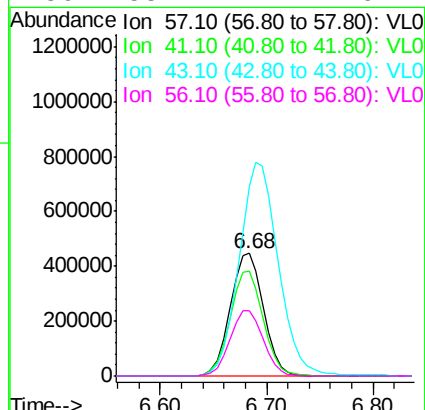
Manual Integrations
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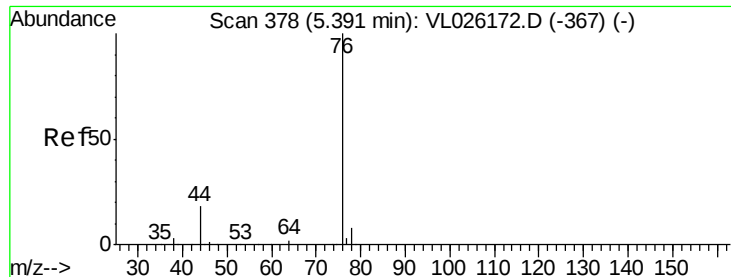
MMdadoda
10/12/2015 1:25:19 PM



#26
Hexane
Concen: 9.08 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.6	68.0	102.0	
43	206.8	164.4	246.6	
56	53.7	42.7	64.1	





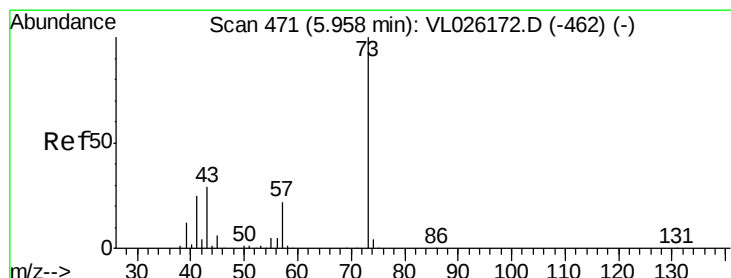
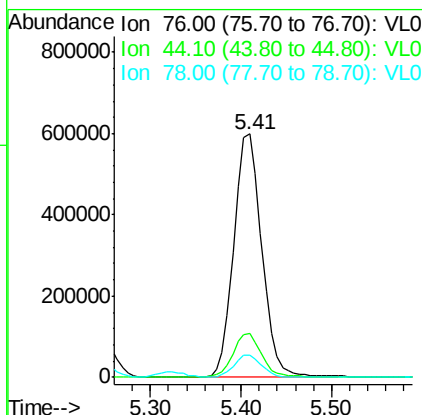
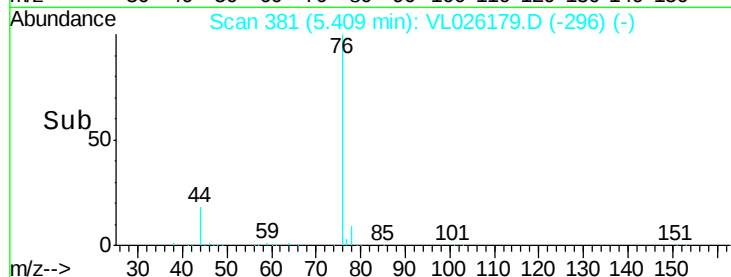
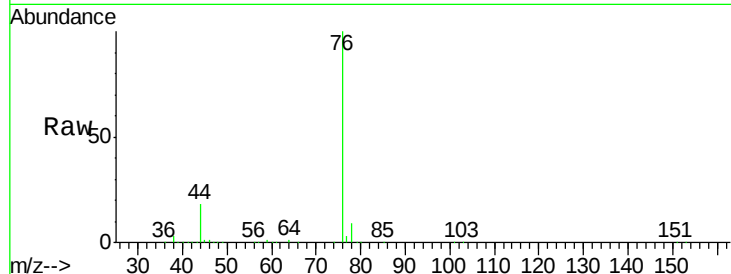
#27
Carbon Disulfide
Concen: 10.03 ppbv
RT: 5.41 min Scan# 381
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 76 Resp: 1287892
Ion Ratio Lower Upper
76 100
44 17.7 14.2 21.4
78 9.3 7.5 11.3

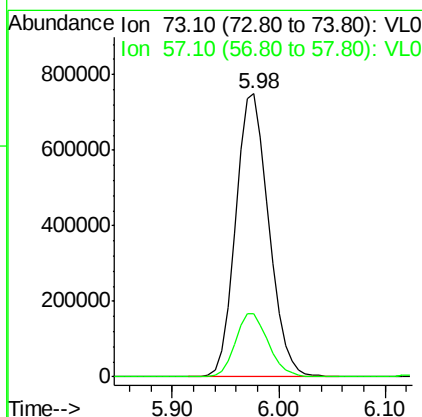
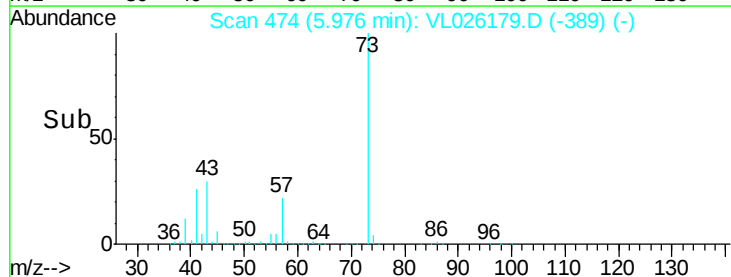
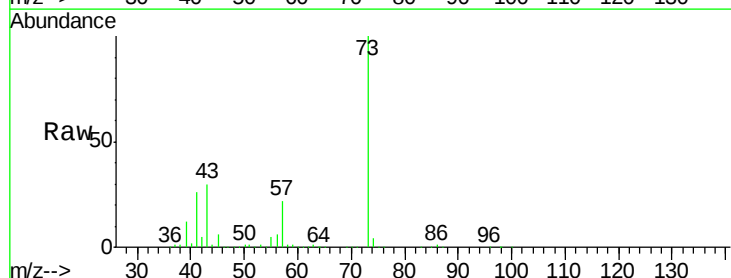
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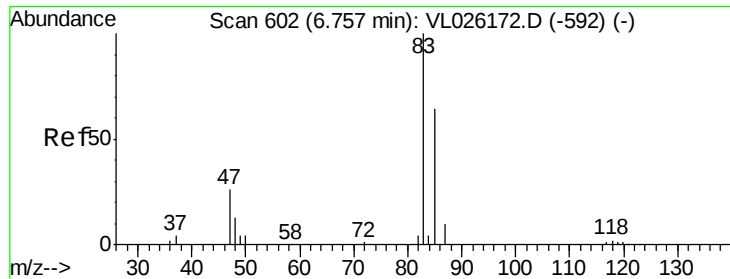
MMdadoda
10/12/2015 1:25:19 PM



#28
Methyl tert-Butyl Ether
Concen: 9.47 ppbv
RT: 5.98 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 73 Resp: 1636590
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6





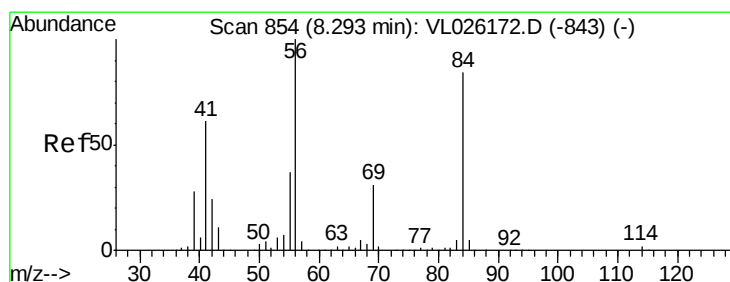
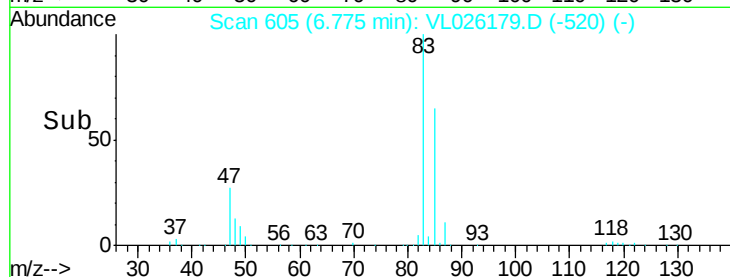
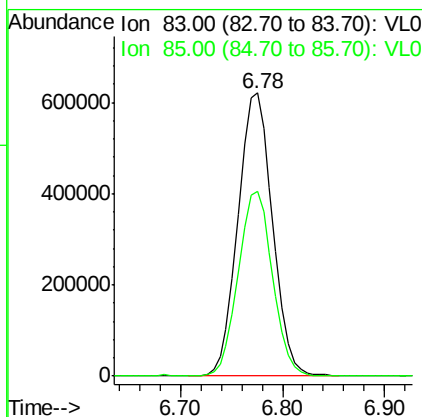
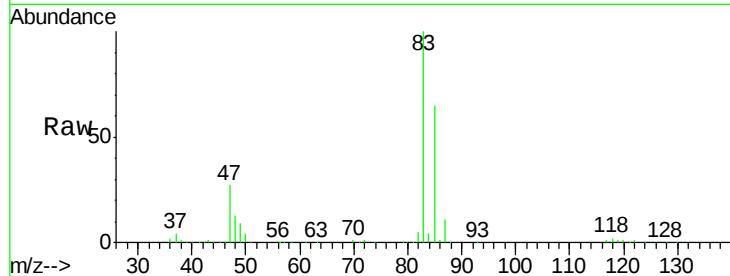
#29
Chloroform
Concen: 9.18 ppbv
RT: 6.78 min Scan# 605
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 83 Resp: 1458390
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3

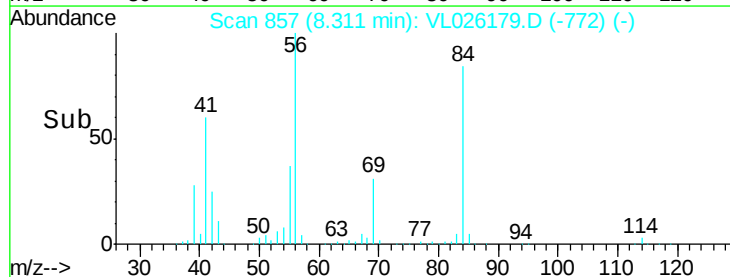
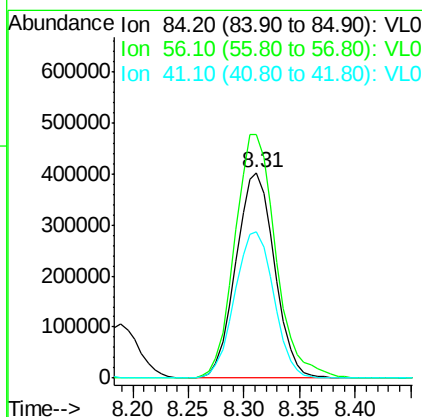
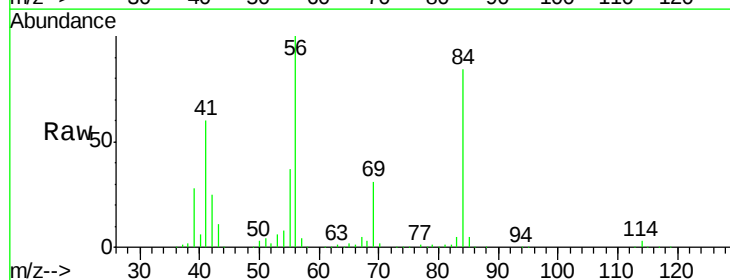
Manual Integrations
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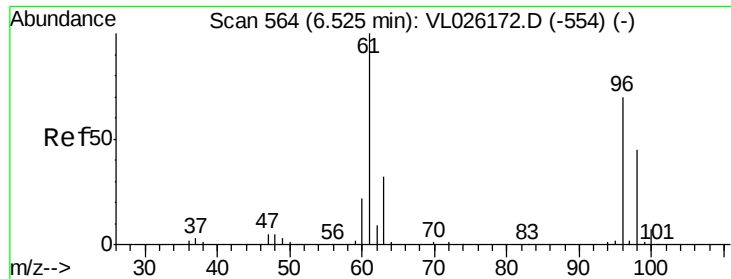
MMdadoda
10/12/2015 1:25:19 PM



#30
Cyclohexane
Concen: 9.47 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 84 Resp: 967046
Ion Ratio Lower Upper
84 100
56 126.7 99.8 149.8
41 72.8 58.1 87.1





#31

cis-1,2-Dichloroethene

Concen: 9.61 ppbv

RT: 6.54 min Scan# 567

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

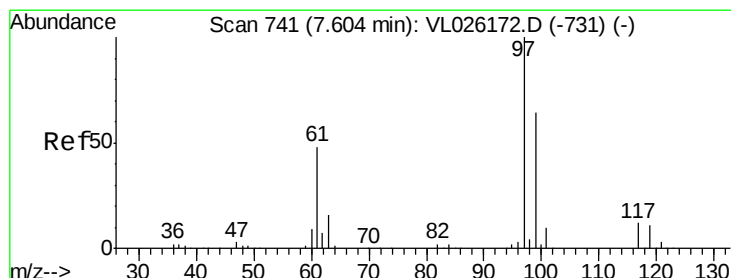
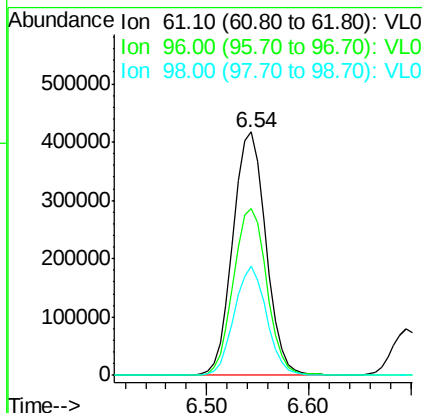
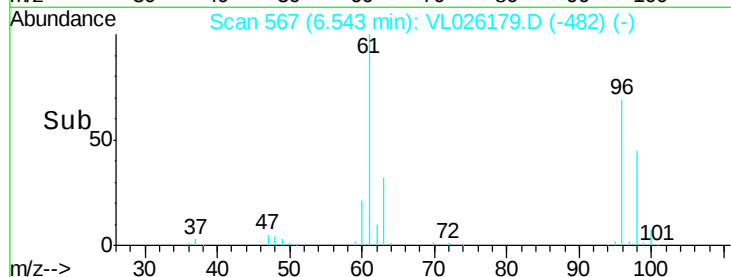
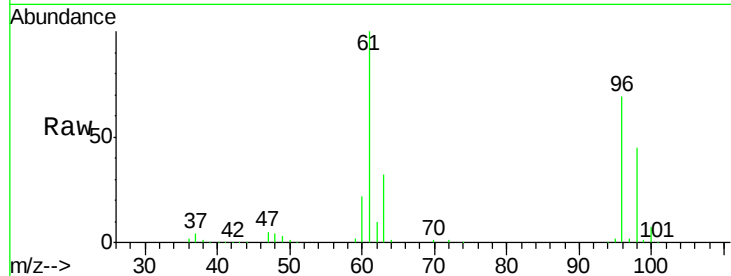
ClientSampleId :

ICVVL100915

Tot Ion:	61	Resp:	939202
Ion	Ratio	Lower	Upper
61	100		
96	68.7	55.8	83.8
98	44.6	35.8	53.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.60 ppbv

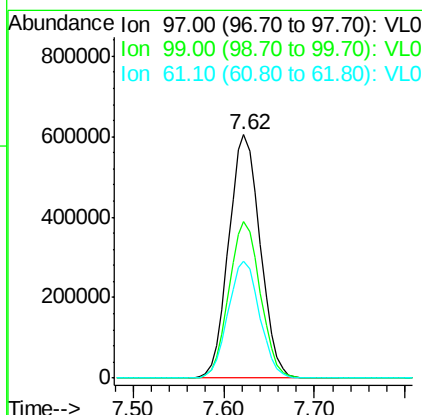
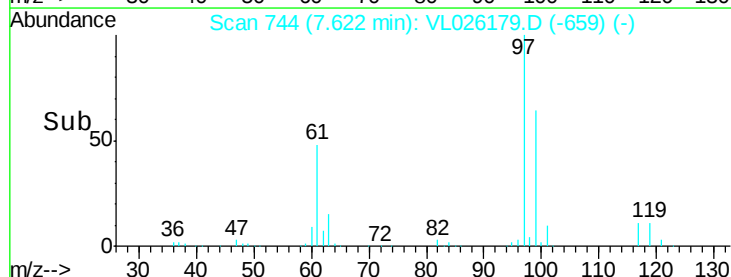
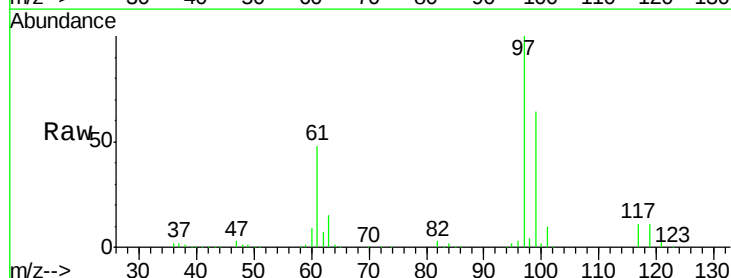
RT: 7.62 min Scan# 744

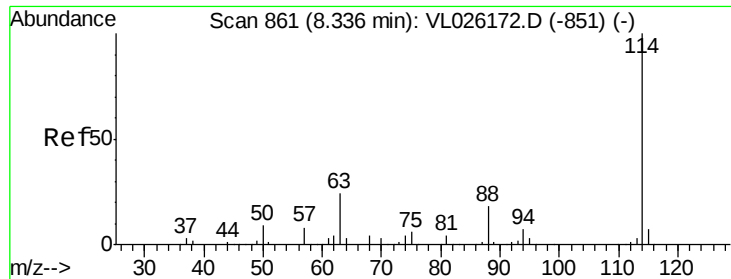
Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:	97	Resp:	1457463
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	48.4	38.7	58.1





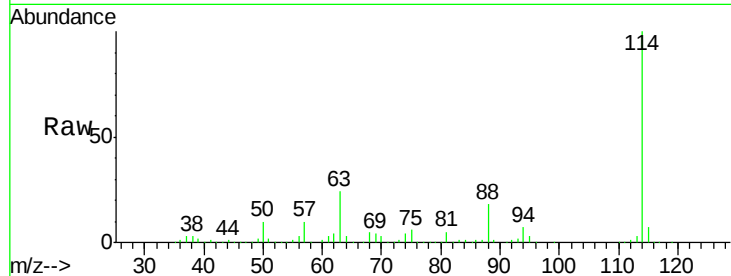
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

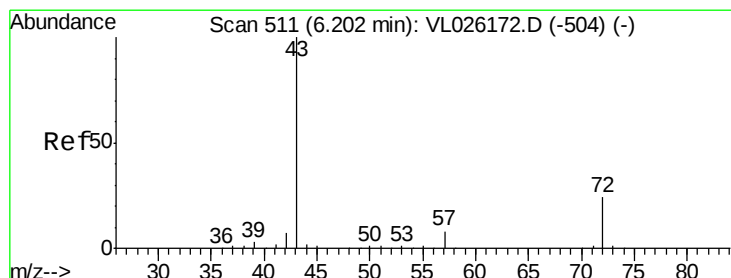
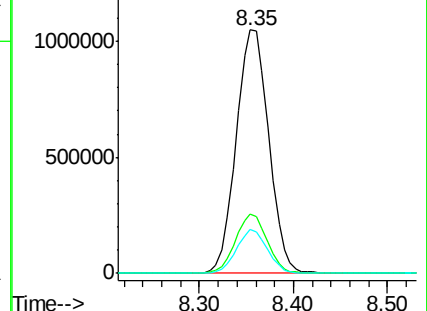
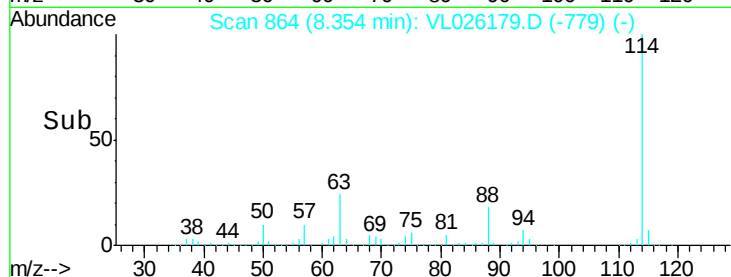
Tot Ion:114 Resp: 2516951
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.0 28.6
 88 17.1 13.8 20.8

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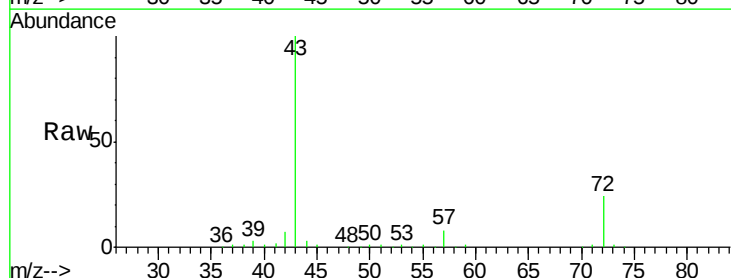


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

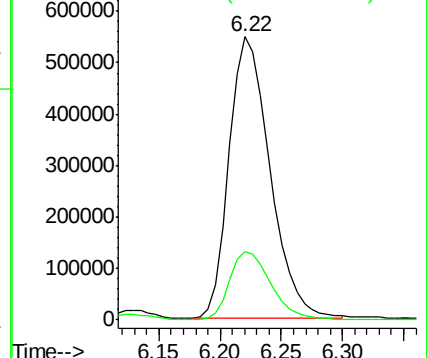
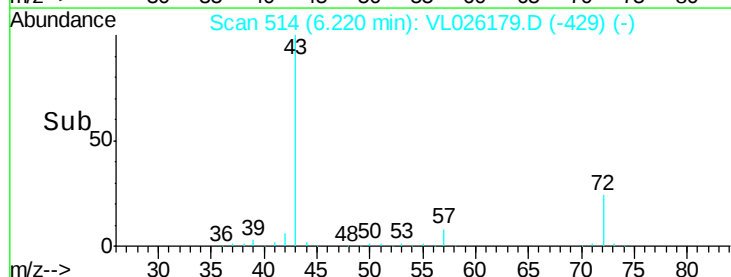


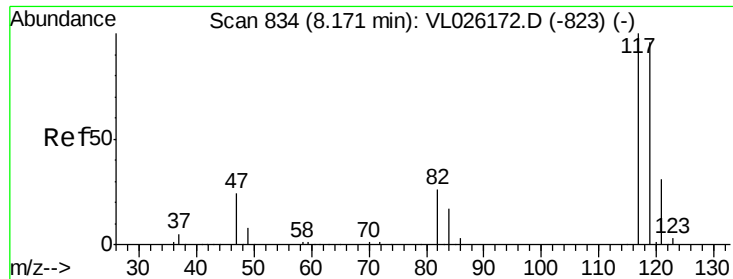
#34
 2-Butanone
 Concen: 9.09 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1273355
 Ion Ratio Lower Upper
 43 100
 72 24.7 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.54 ppbv

RT: 8.19 min Scan# 837

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:117 Resp: 1520824

Ion Ratio Lower Upper

117 100

119 94.4 76.6 115.0

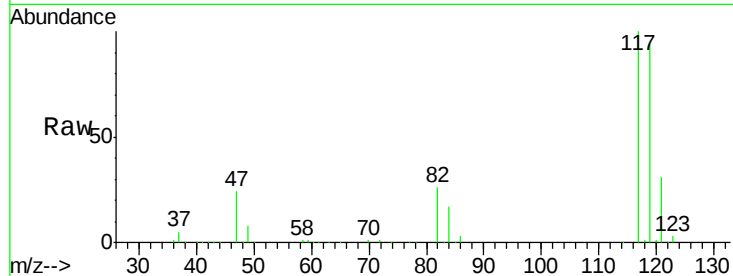
121 30.8 25.0 37.4

Manual Integrations

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MMdadoda

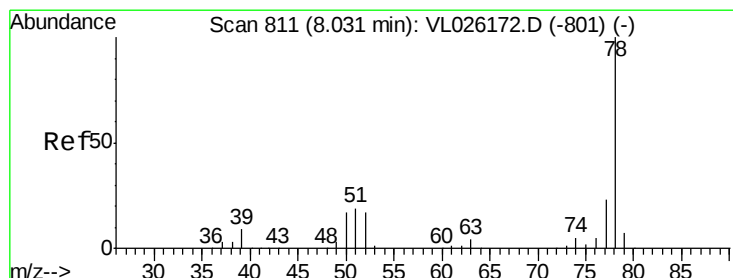
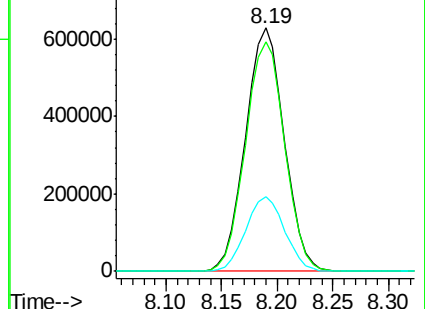
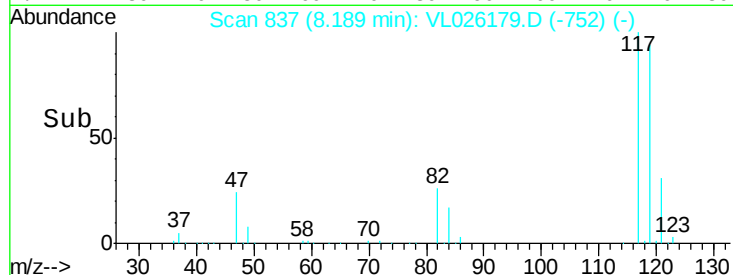
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.06 ppbv

RT: 8.05 min Scan# 814

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

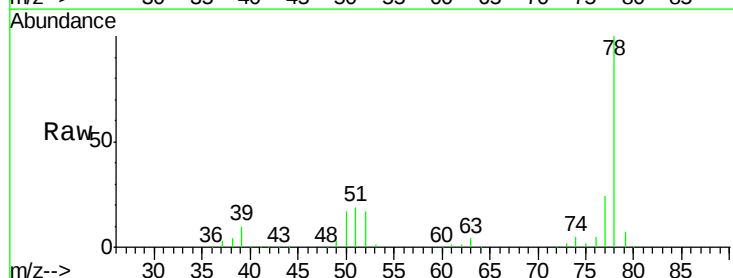
Tgt Ion: 78 Resp: 2180776

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.4

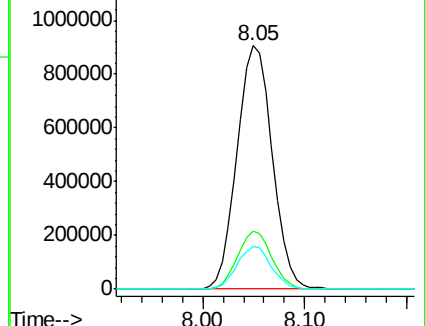
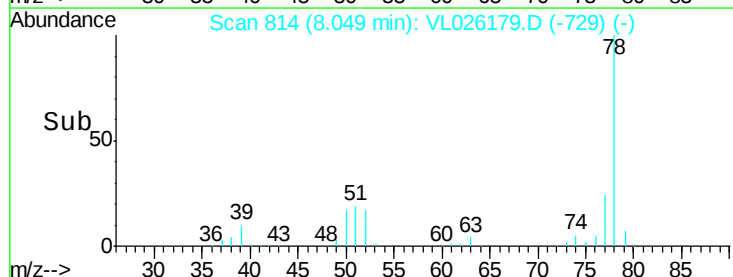
50 17.3 13.4 20.2

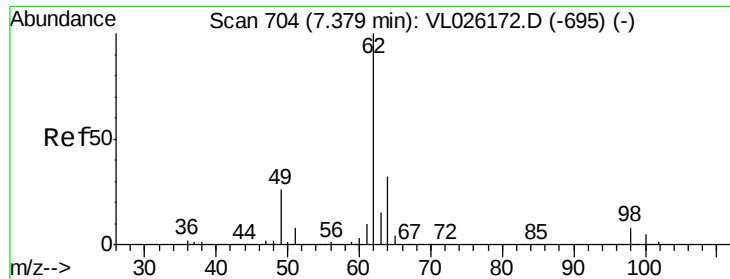


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





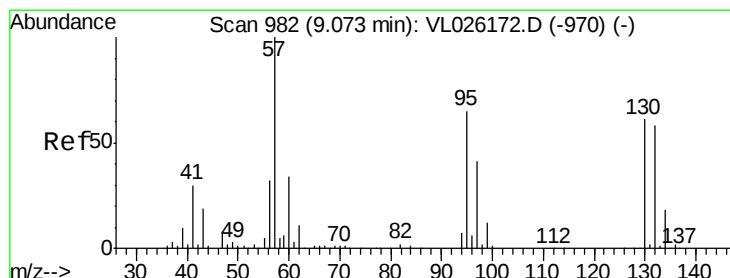
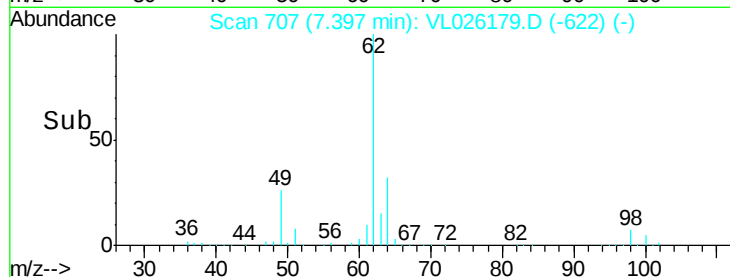
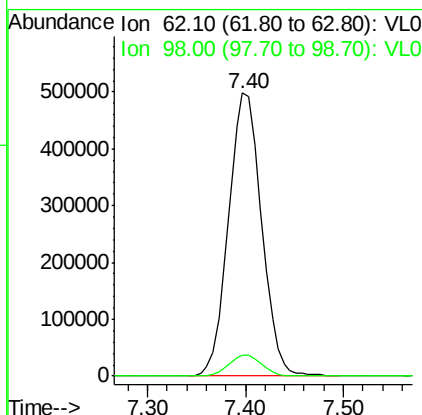
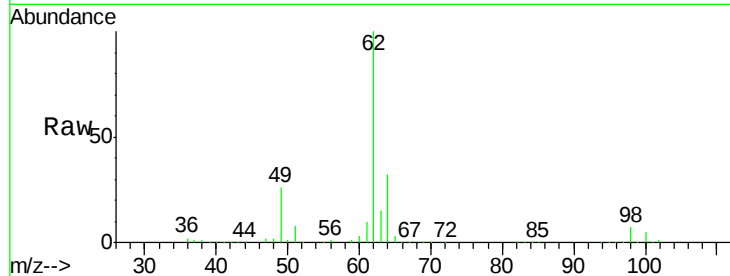
#37
 1,2-Dichloroethane
 Concen: 9.09 ppbv
 RT: 7.40 min Scan# 707
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion: 62 Resp: 1172061
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.2 9.2

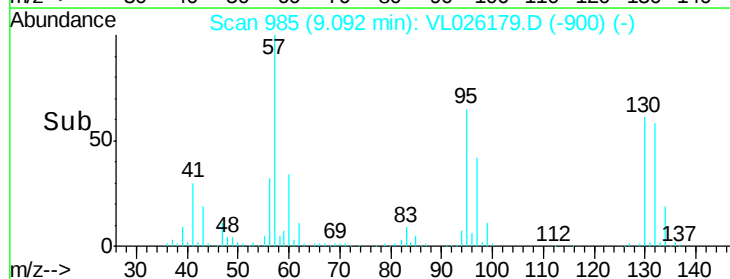
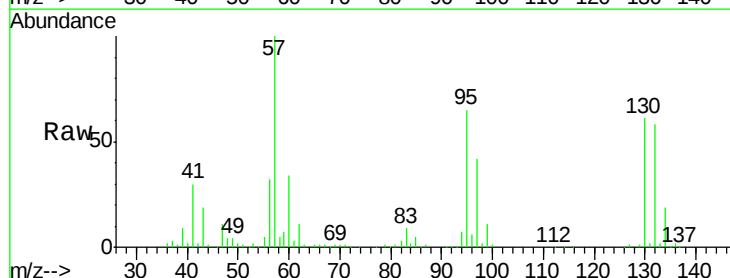
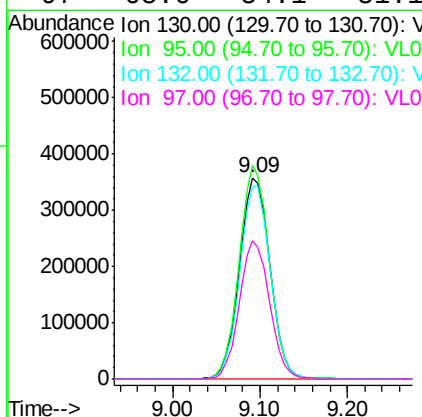
Manual Integrations
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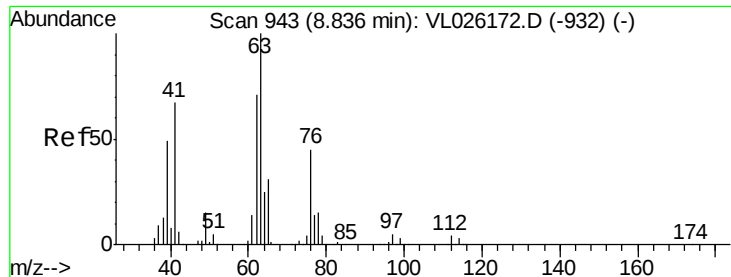
MMdadoda
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#38
 Trichloroethene
 Concen: 7.88 ppbv
 RT: 9.09 min Scan# 985
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion:130 Resp: 870647
 Ion Ratio Lower Upper
 130 100
 95 106.2 84.9 127.3
 132 95.2 76.8 115.2
 97 68.6 54.1 81.1





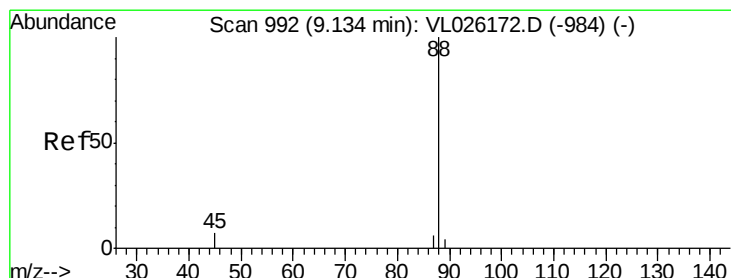
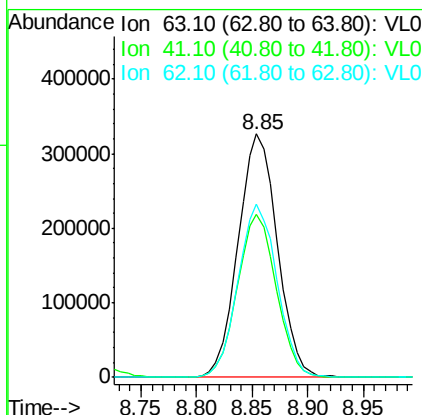
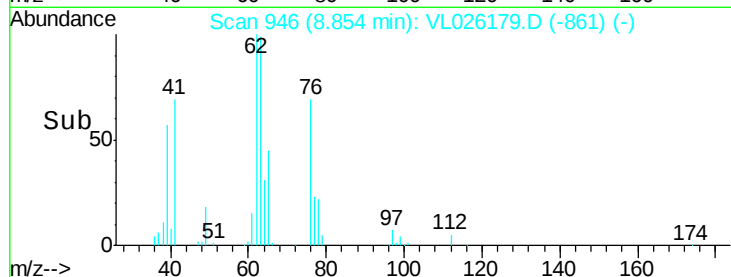
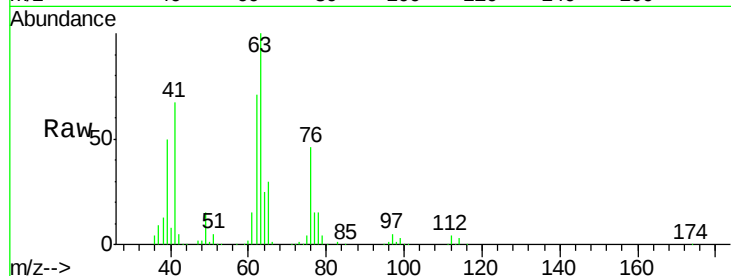
#39
 1,2-Dichloropropane
 Concen: 8.91 ppbv
 RT: 8.85 min Scan# 946
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion	Ratio	Lower	Upper
63	100		
41	66.9	53.9	80.9
62	71.0	57.1	85.7

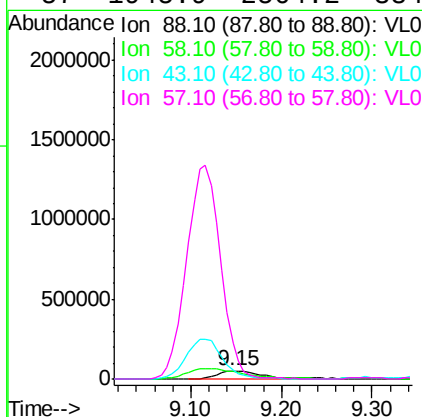
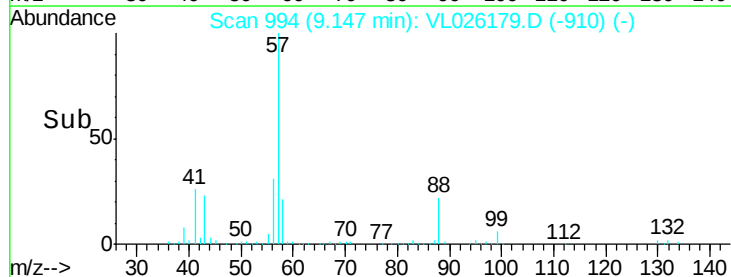
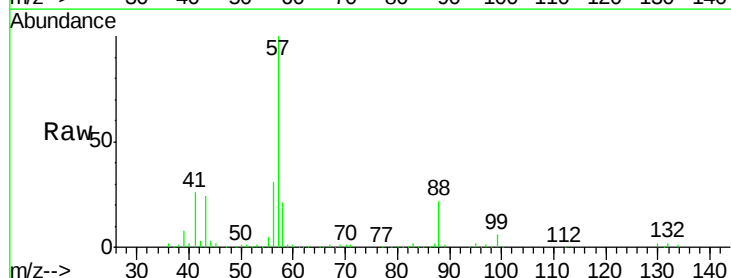
Manual Integrations
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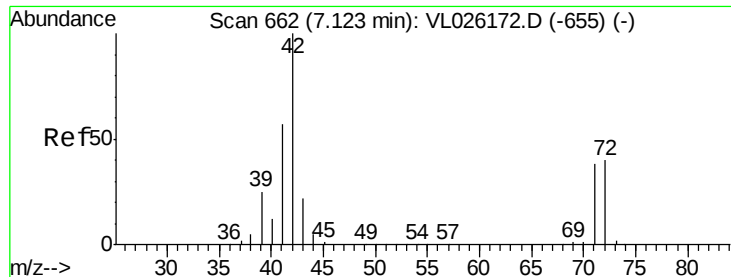
MMdadoda
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#40
 1,4-Dioxane
 Concen: 12.31 ppbv
 RT: 9.15 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	159.1	178.4	267.6#
43	390.0	510.2	765.4#
57	1945.9	2564.2	3846.4#





#41

Tetrahydrofuran

Concen: 9.71 ppbv

RT: 7.15 min Scan# 666

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

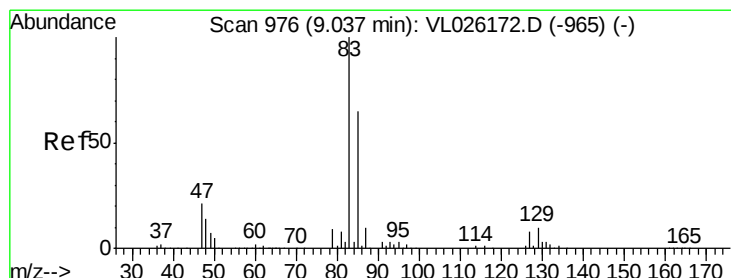
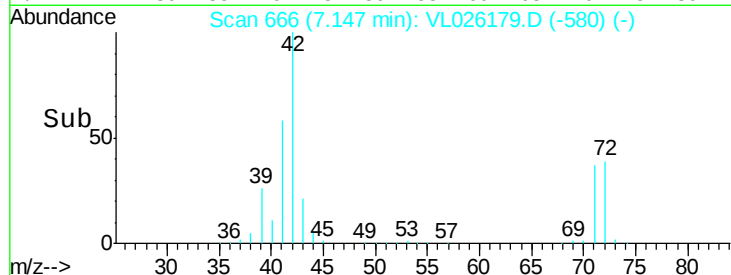
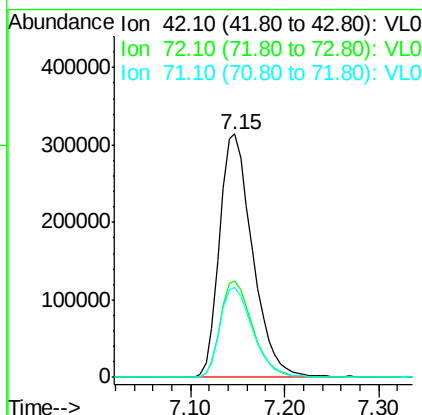
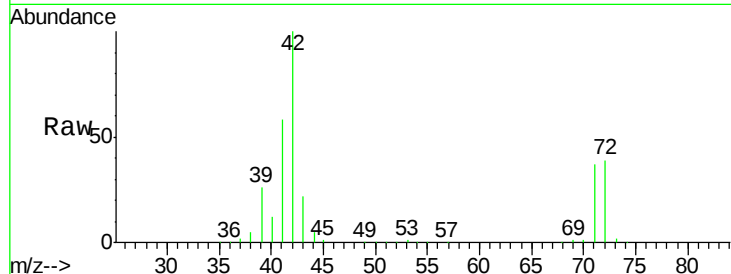
ClientSampleId :

ICVVL100915

Tot Ion:	42	Resp:	766306
Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.4	48.6
71	37.0	30.2	45.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.45 ppbv

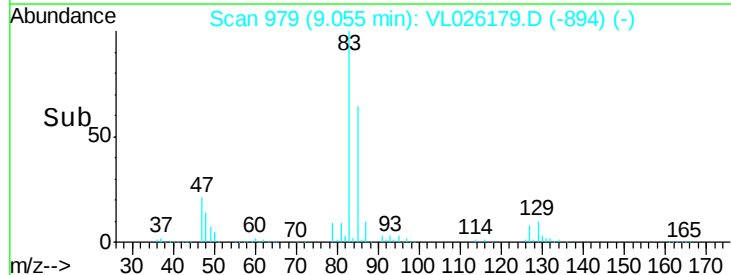
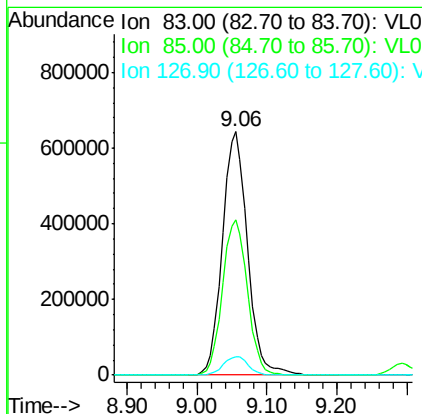
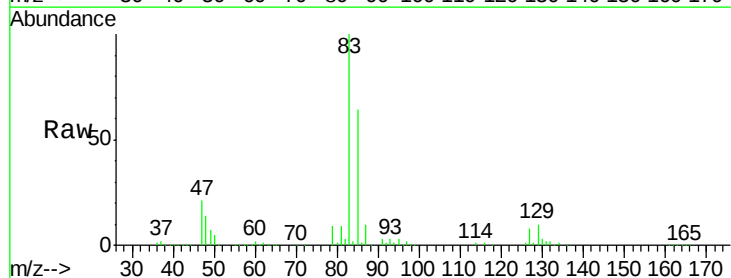
RT: 9.06 min Scan# 979

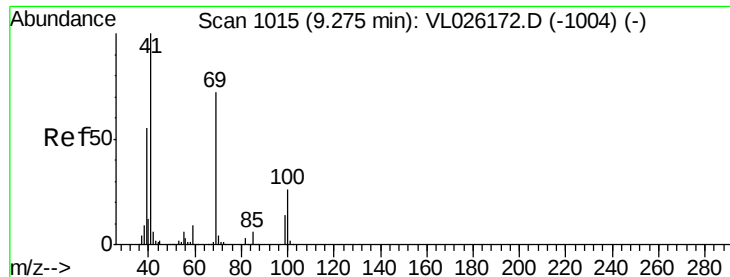
Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:	83	Resp:	1604157
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9
127	7.7	6.2	9.4





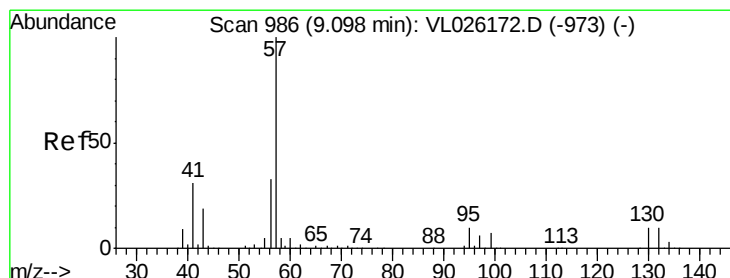
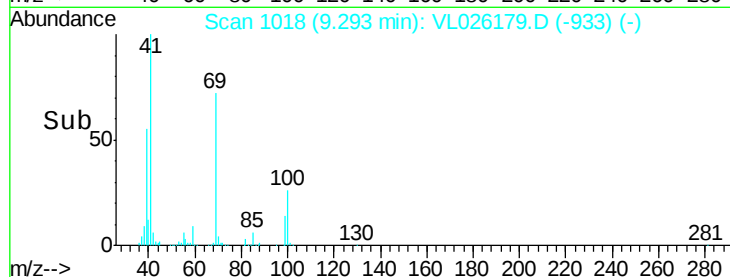
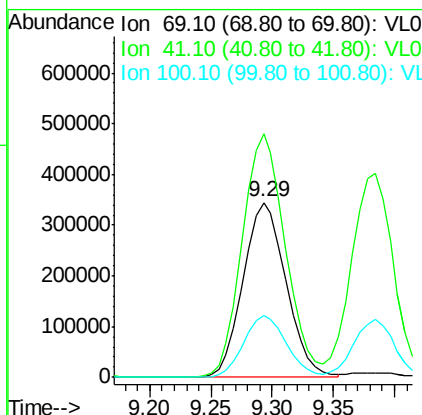
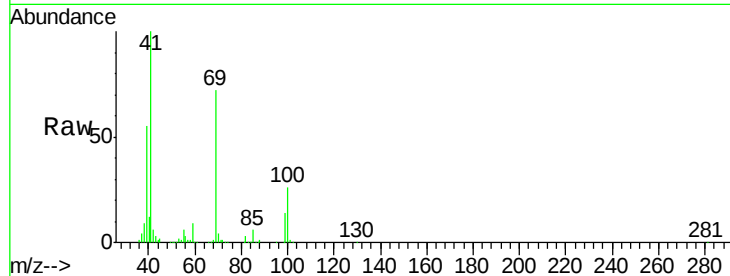
#43
Methvl Methacrilate
Concen: 9.95 ppbv
RT: 9.29 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion	Ratio	Lower	Upper
69	100		
41	138.9	111.5	167.3
100	35.3	28.4	42.6

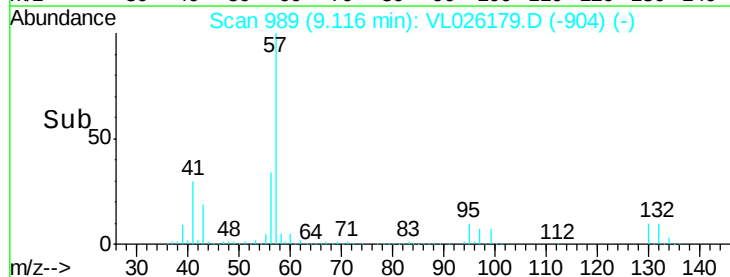
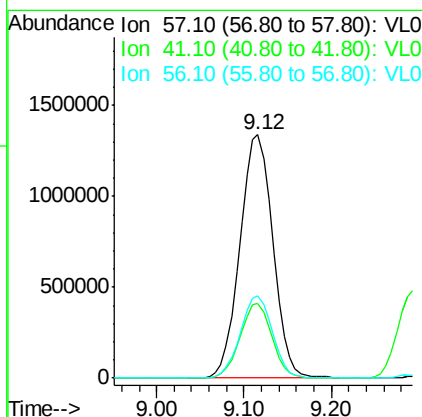
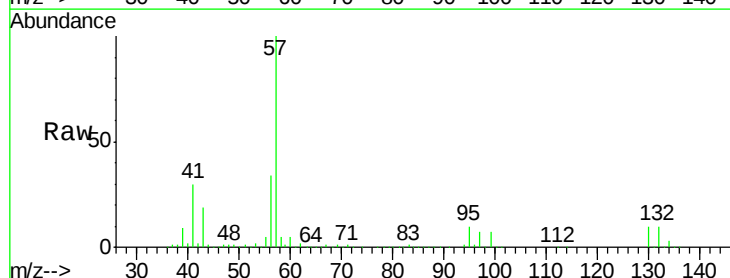
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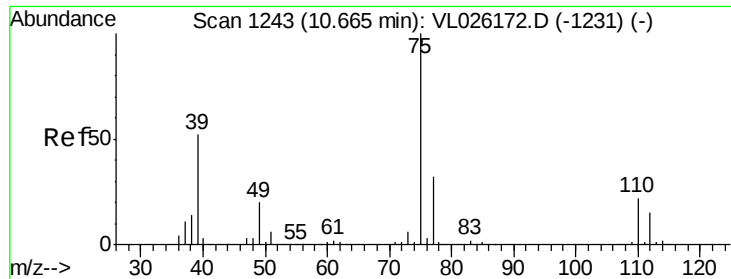
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.78 ppbv
RT: 9.12 min Scan# 989
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.5	23.7	35.5
56	32.9	26.4	39.6





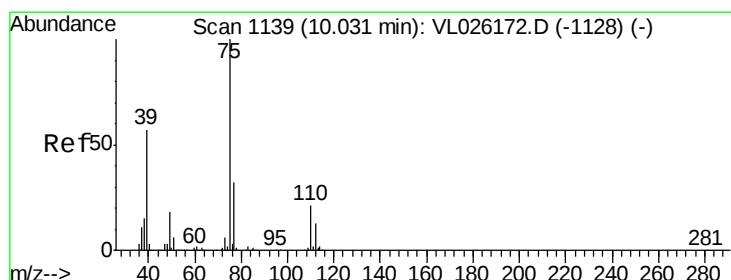
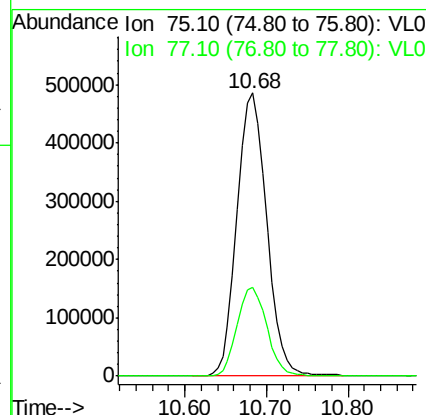
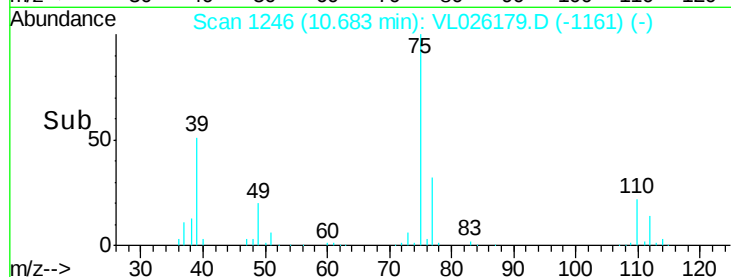
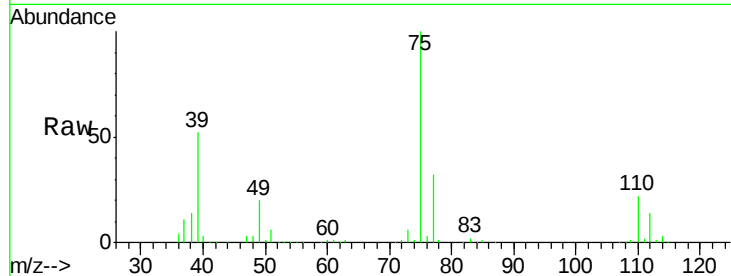
#45
 t-1,3-Dichloropropene
 Concen: 10.53 ppbv
 RT: 10.68 min Scan# 1246
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion: 75 Resp: 1229092
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3

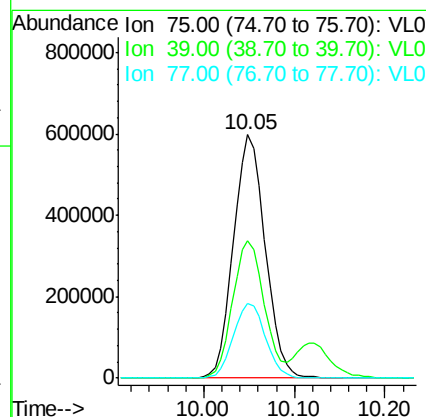
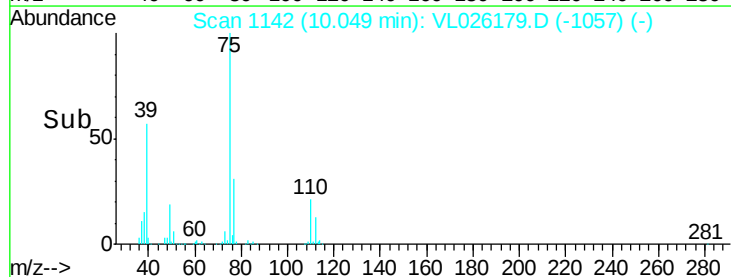
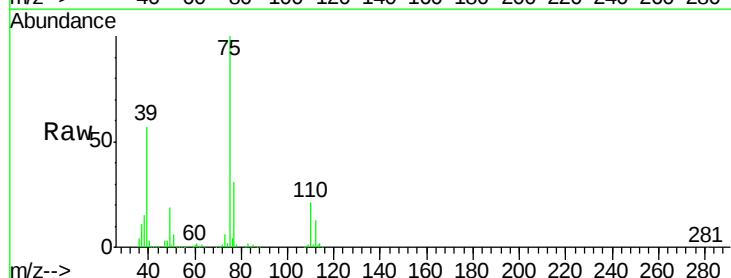
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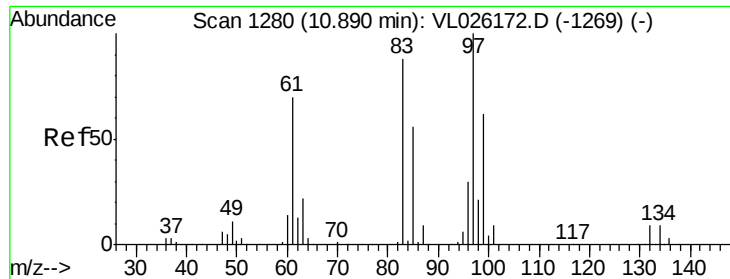
MMdadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 10.16 ppbv
 RT: 10.05 min Scan# 1142
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion: 75 Resp: 1455536
 Ion Ratio Lower Upper
 75 100
 39 56.6 45.4 68.2
 77 30.9 25.4 38.2





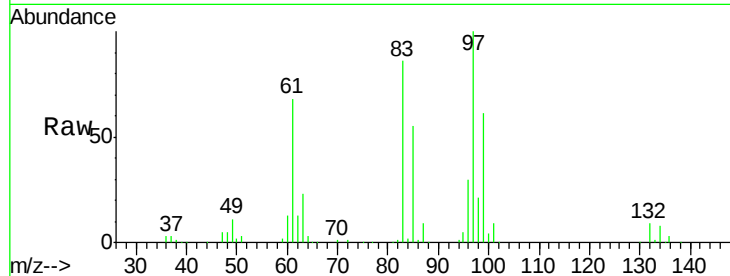
#47
 1,1,2-Trichloroethane
 Concen: 8.95 ppbv
 RT: 10.91 min Scan# 1283
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

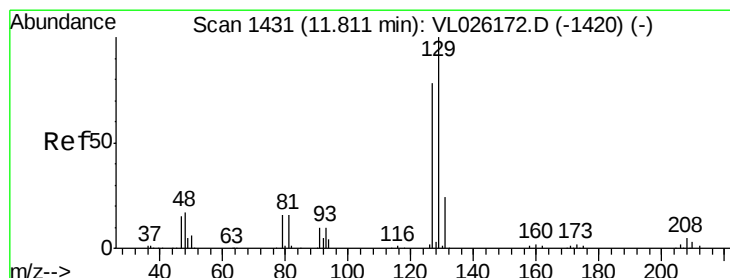
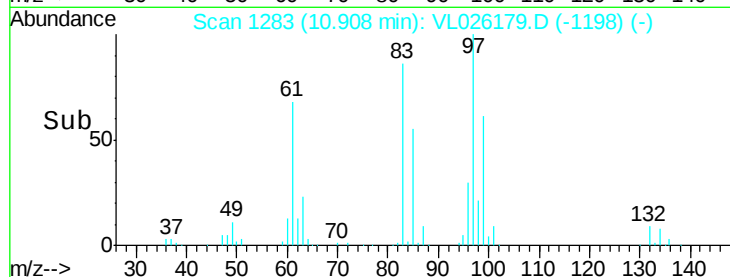
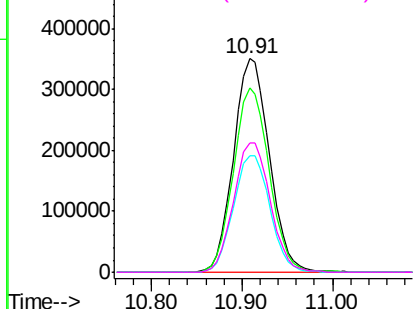
Tot Ion	97	Resp	960164
Ion Ratio	Lower	Upper	
97	100		
83	86.4	70.6	106.0
85	54.7	45.1	67.7
99	60.7	49.9	74.9

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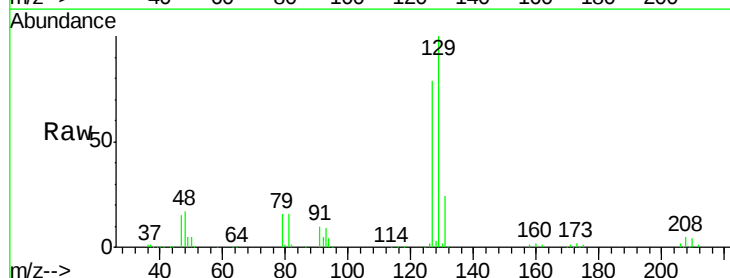


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

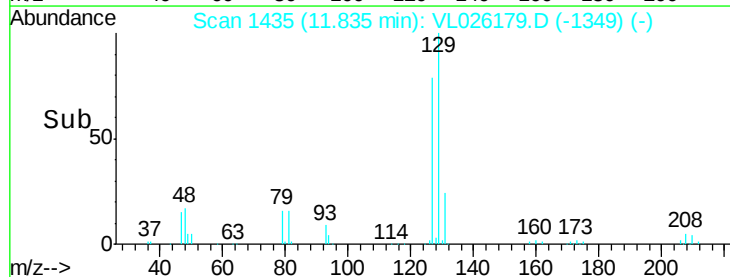
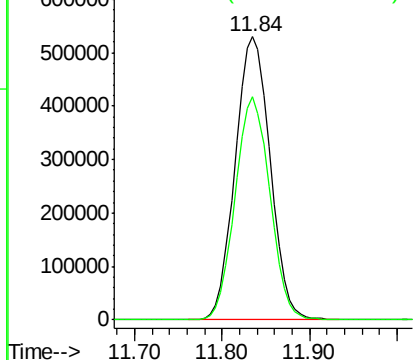


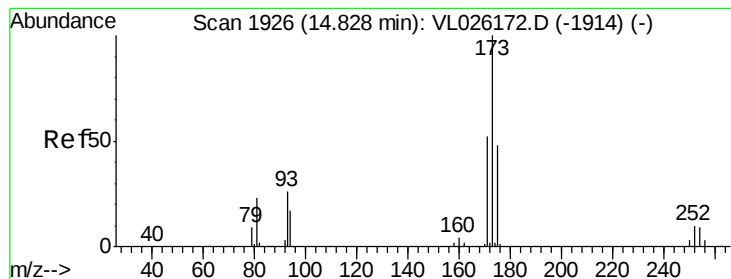
#48
 Dibromochloromethane
 Concen: 9.72 ppbv
 RT: 11.84 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion	129	Resp	1478451
Ion Ratio	Lower	Upper	
129	100		
127	78.7	39.0	117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.20 ppbv

RT: 14.85 min Scan# 1930

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:173 Resp: 1167871

Ion Ratio Lower Upper

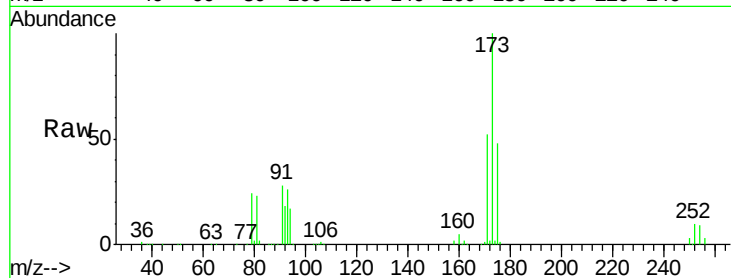
173 100

175 48.5 39.0 58.6

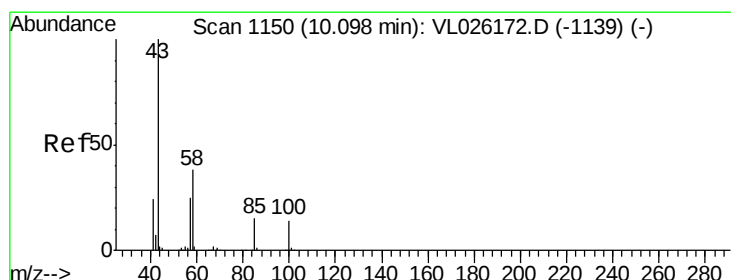
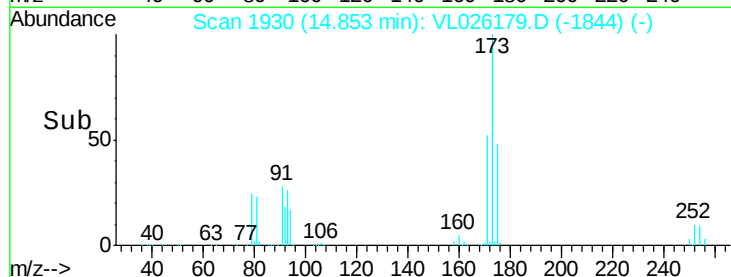
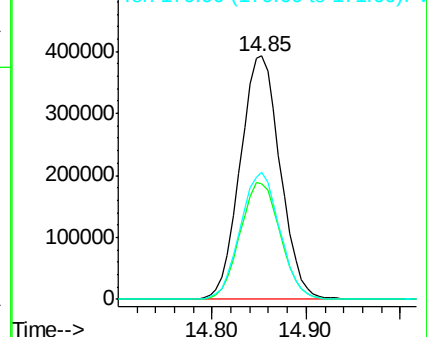
171 51.8 41.9 62.9

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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: 9.64 ppbv

RT: 10.12 min Scan# 1153

Delta R.T. 0.02 min

Lab File: VL026179.D

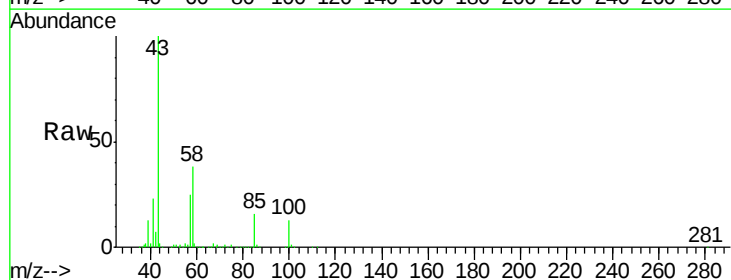
Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1785364

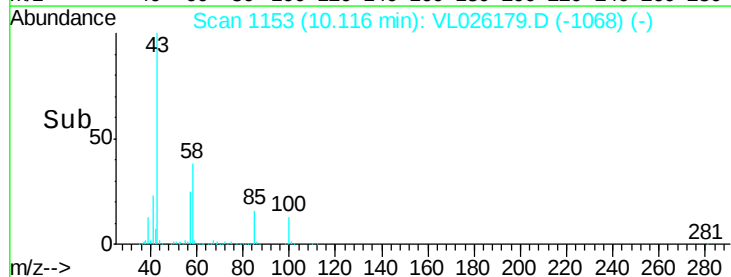
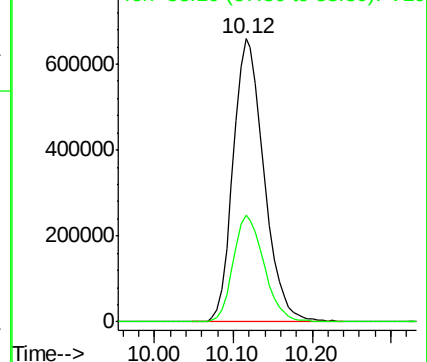
Ion Ratio Lower Upper

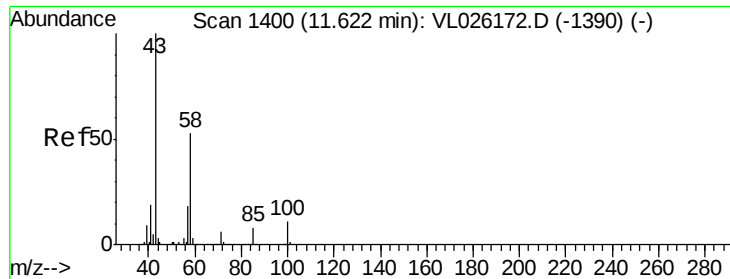
43 100

58 37.9 30.4 45.6



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





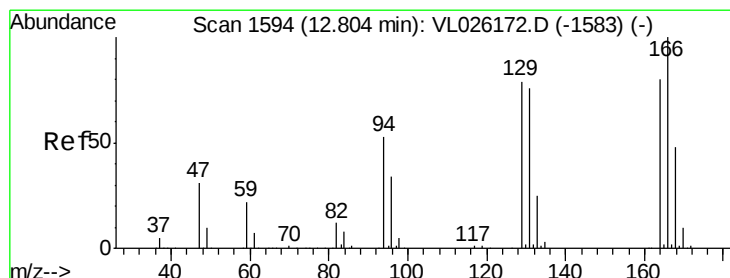
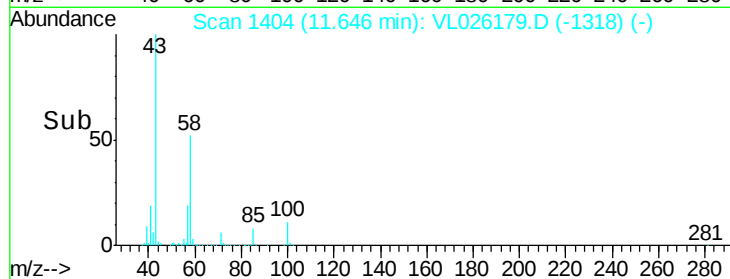
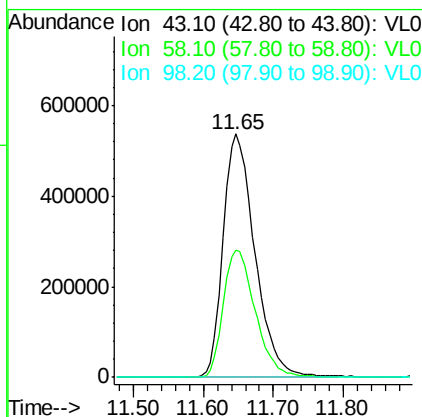
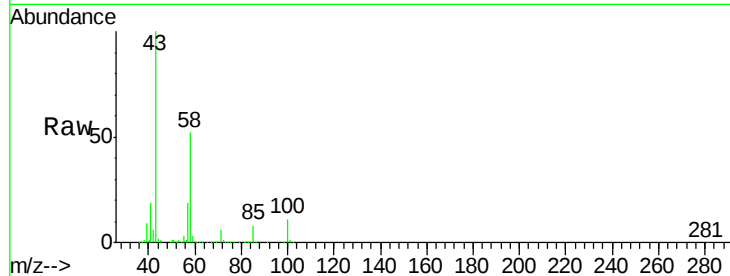
#51
2-Hexanone
Concen: 10.18 ppbv
RT: 11.65 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 43 Resp: 1696107
Ion Ratio Lower Upper
43 100
58 53.1 42.2 63.4
98 0.3 0.2 0.2#

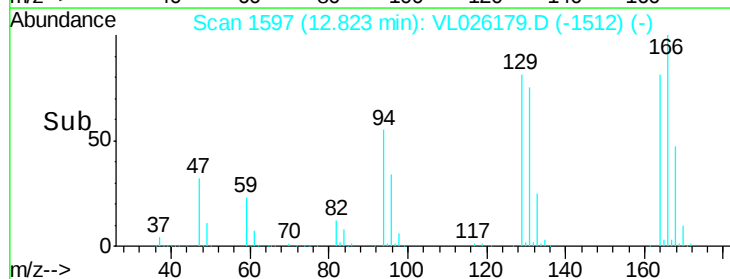
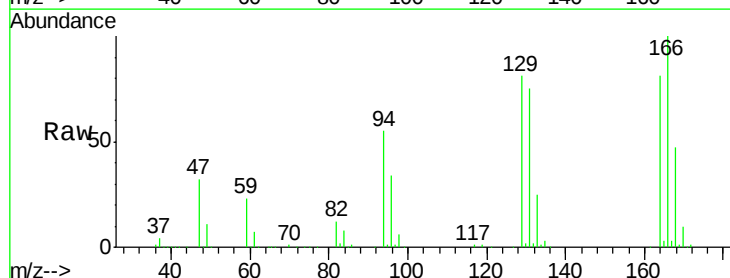
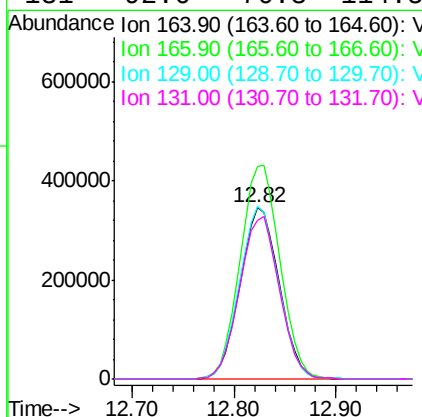
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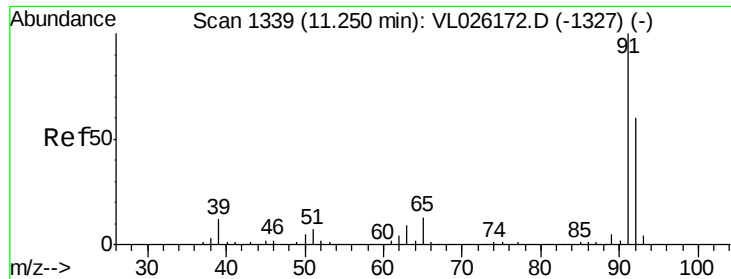
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#52
Tetrachloroethene
Concen: 7.75 ppbv
RT: 12.82 min Scan# 1597
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:164 Resp: 921062
Ion Ratio Lower Upper
164 100
166 123.9 99.9 149.9
129 100.8 79.1 118.7
131 92.6 76.3 114.5





#53

Toluene

Concen: 9.18 ppbv

RT: 11.27 min Scan# 1342

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 91 Resp: 2847561

Ion Ratio Lower Upper

91 100

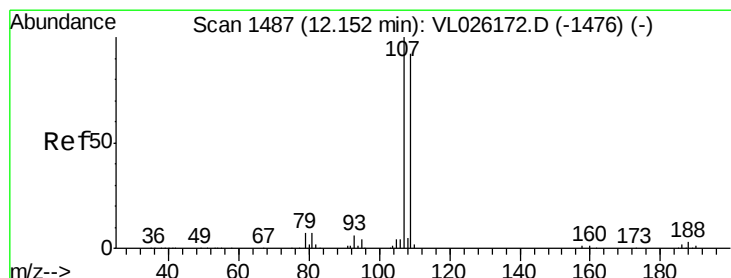
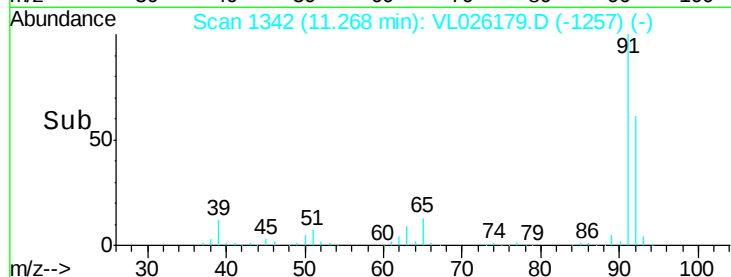
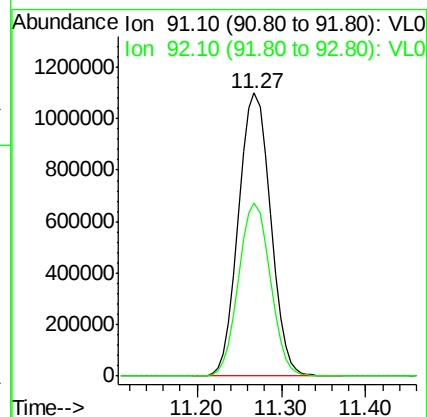
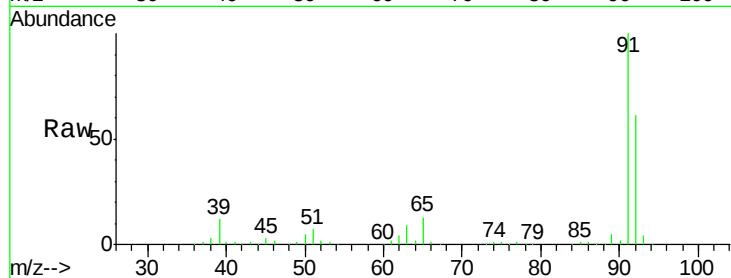
92 60.7 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 9.02 ppbv

RT: 12.18 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VL026179.D

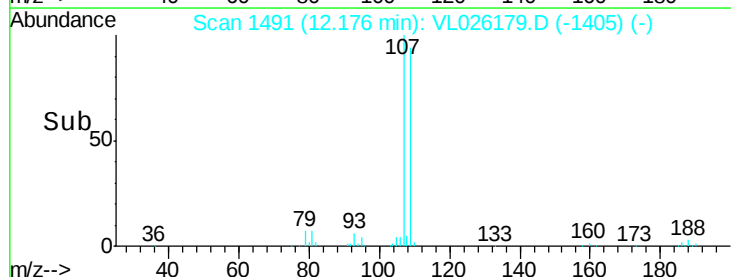
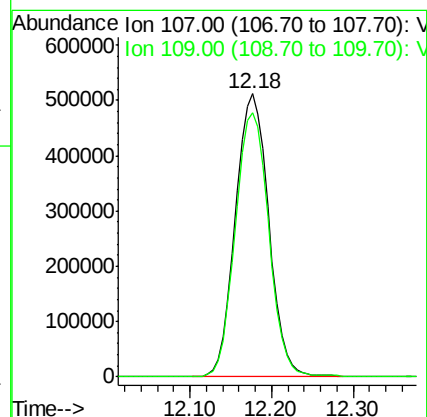
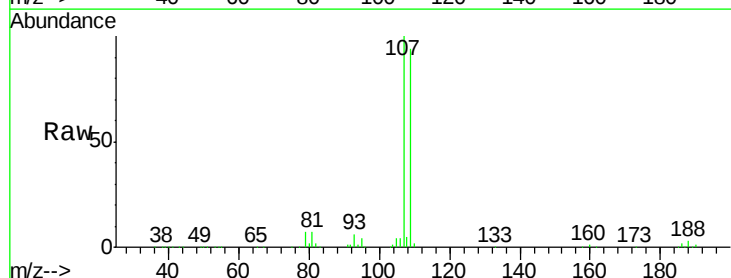
Acq: 9 Oct 2015 16:11

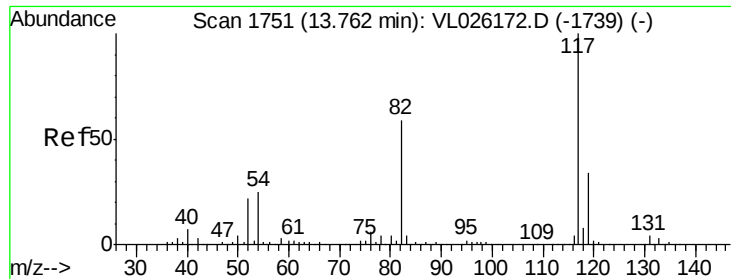
Tgt Ion:107 Resp: 1450208

Ion Ratio Lower Upper

107 100

109 93.5 73.2 109.8





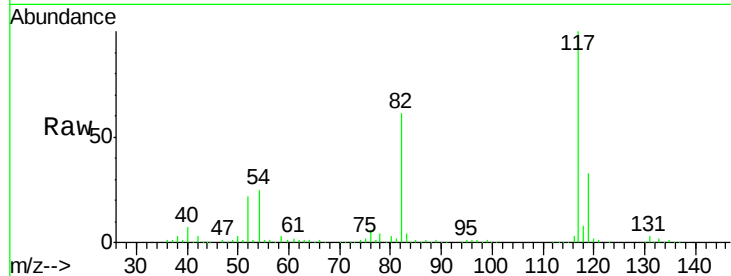
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.78 min Scan# 1754
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

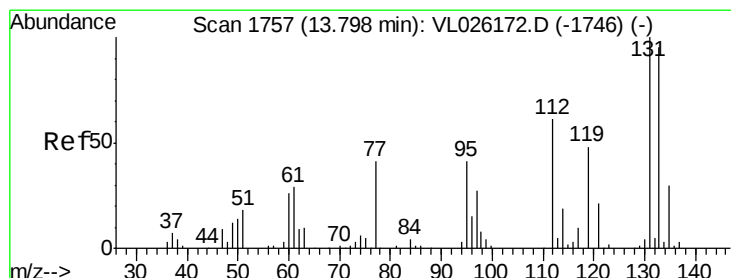
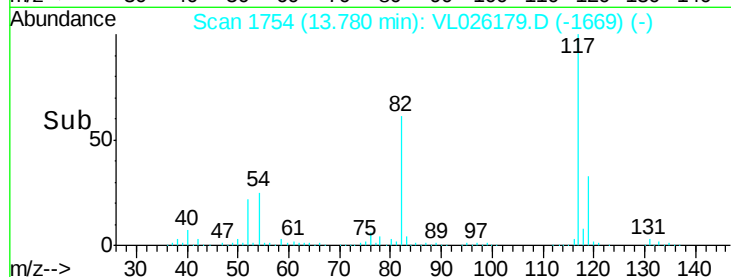
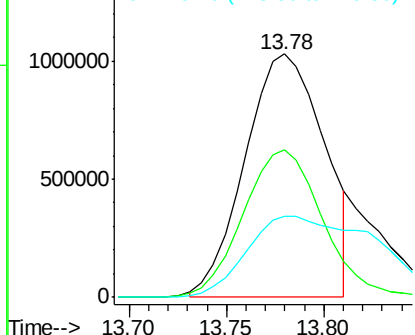
Tot Ion:117 Resp: 2930476
Ion Ratio Lower Upper
117 100
82 61.4 47.7 71.5
119 54.7 43.7 65.5

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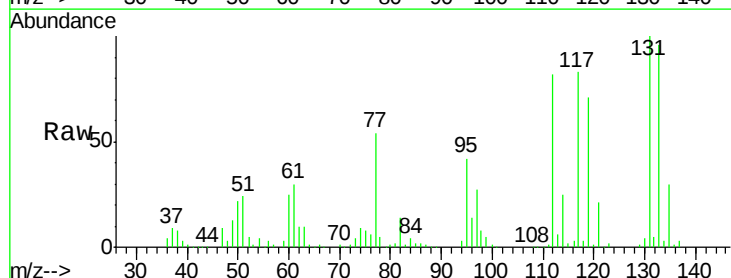


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

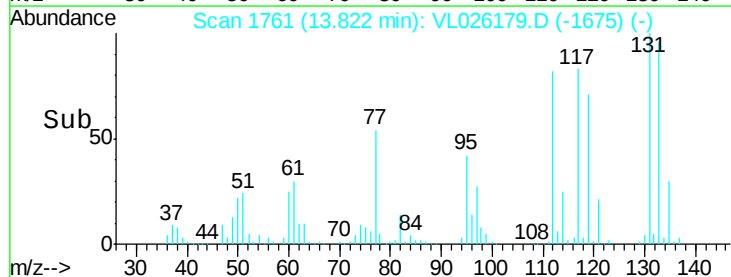
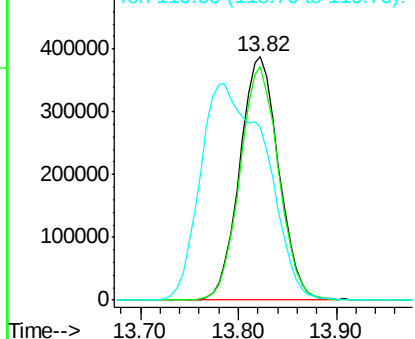


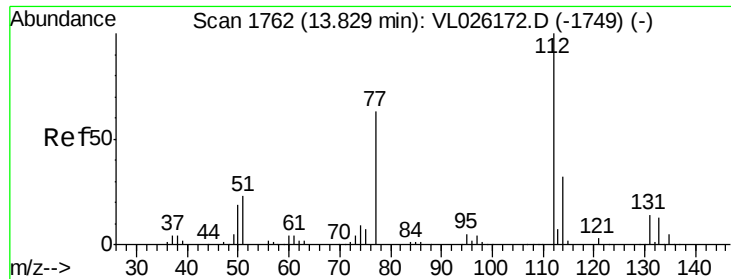
#56
1,1,1,2-Tetrachloroethane
Concen: 9.14 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:131 Resp: 1073736
Ion Ratio Lower Upper
131 100
133 95.3 76.5 114.7
119 149.6 116.0 174.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





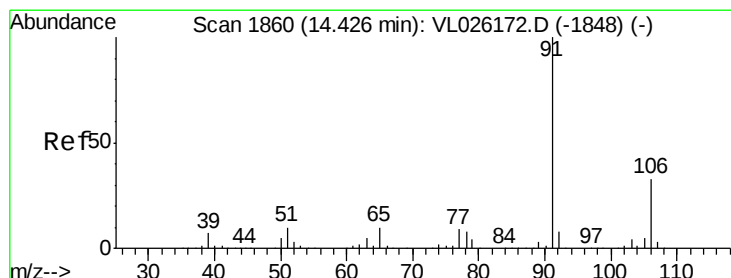
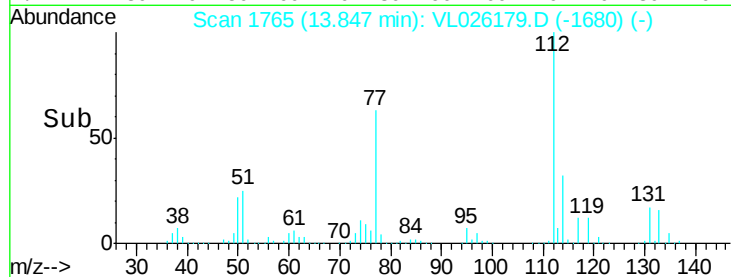
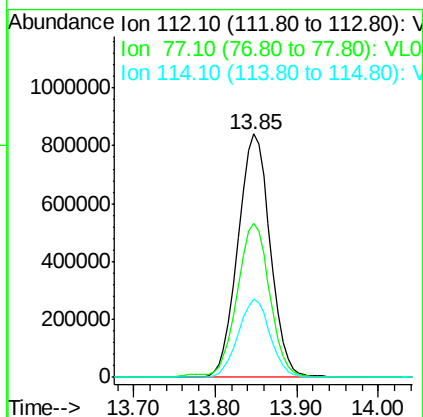
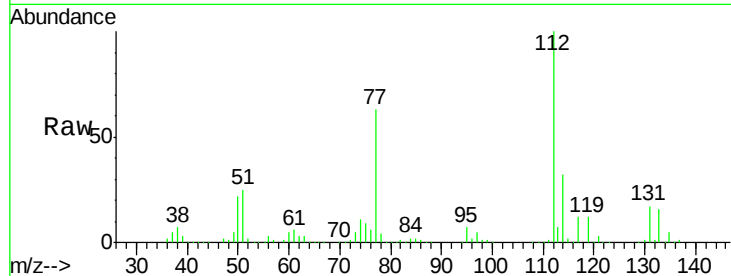
#57
Chlorobenzene
Concen: 8.74 ppbv
RT: 13.85 min Scan# 1765
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion:112 Resp: 2312974
Ion Ratio Lower Upper
112 100
77 62.9 51.0 76.4
114 32.0 29.0 35.4

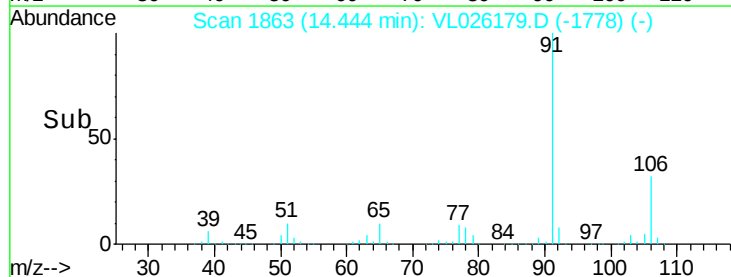
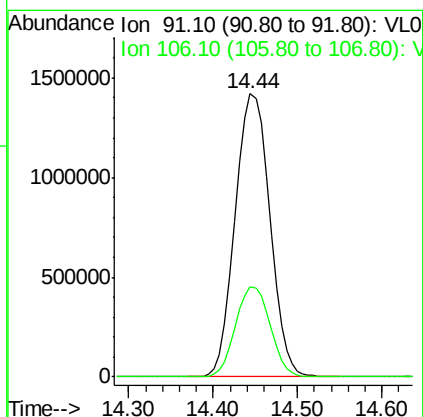
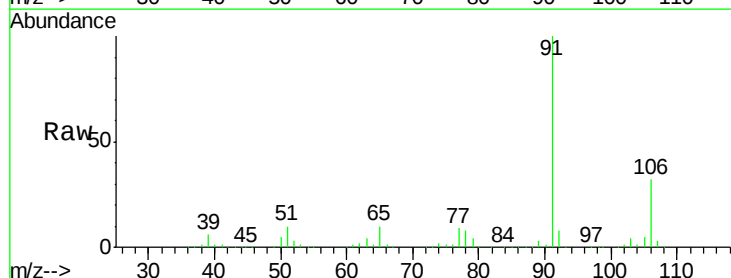
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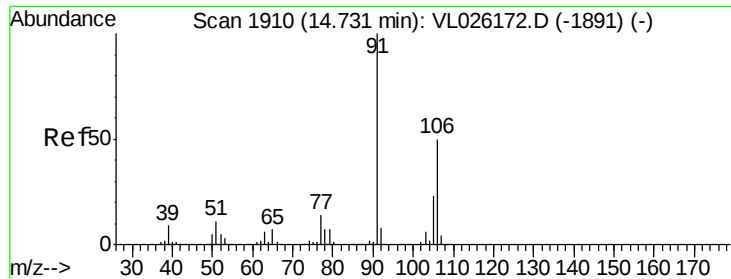
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#58
Ethyl Benzene
Concen: 9.35 ppbv
RT: 14.44 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 3981187
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1





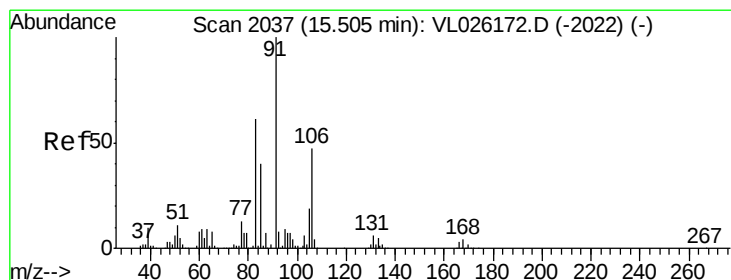
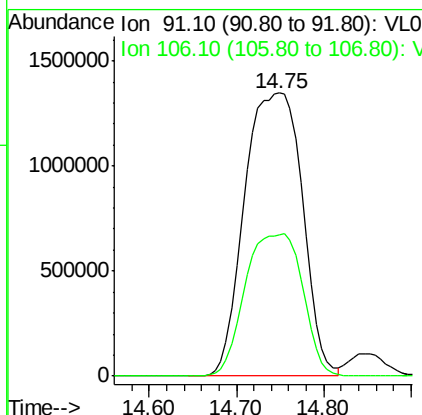
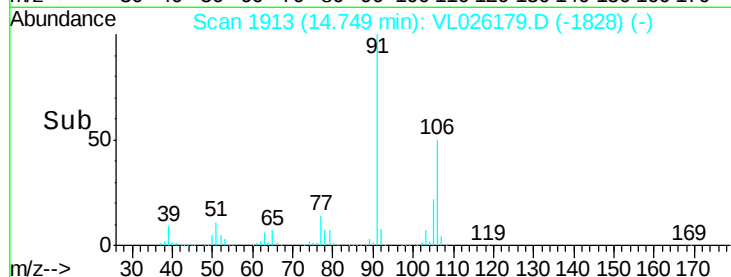
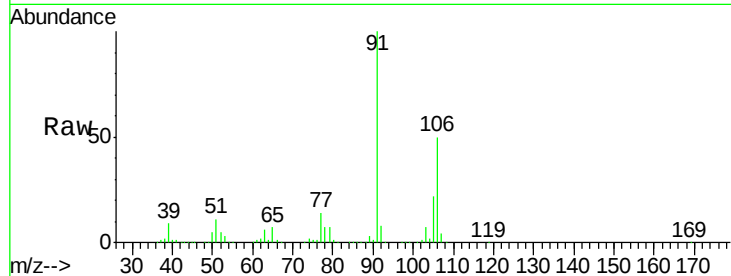
#59
m/p-Xylene
Concen: 18.07 ppbv
RT: 14.75 min Scan# 1913
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 91 Resp: 6174065
Ion Ratio Lower Upper
91 100
106 50.2 40.2 60.4

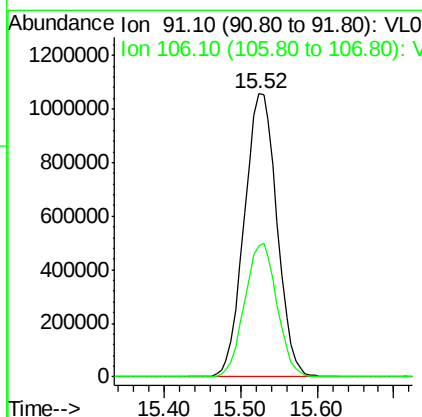
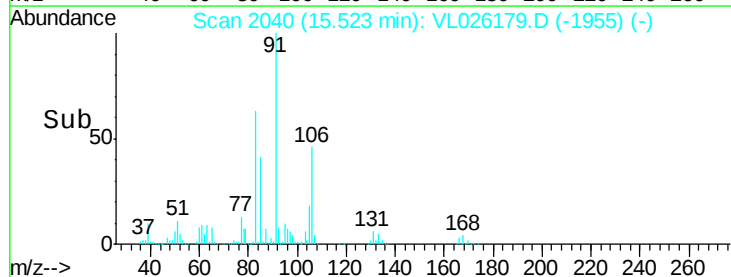
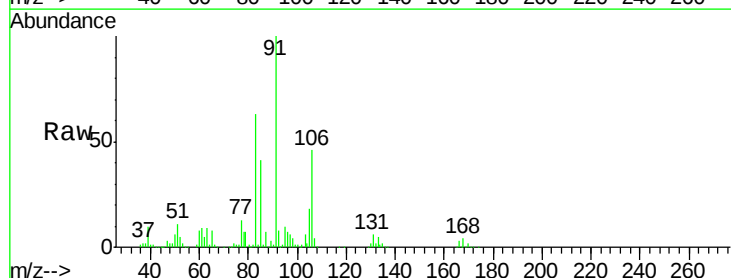
Manual Integrations
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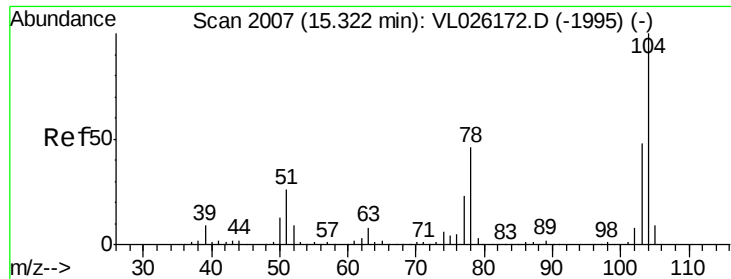
MMdadoda
10/12/2015 1:25:19 PM



#60
o-Xylene
Concen: 8.76 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 3135057
Ion Ratio Lower Upper
91 100
106 46.9 23.4 70.3





#61

Stvrene

Concen: 10.32 ppbv

RT: 15.35 min Scan# 2011

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:104 Resp: 1511579

Ion Ratio Lower Upper

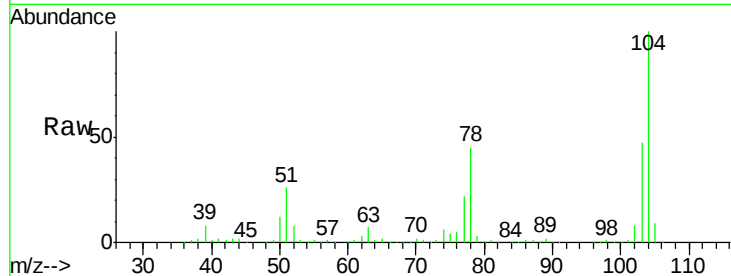
104 100

78 45.3 36.1 54.1

103 46.9 37.5 56.3

Manual Integrations
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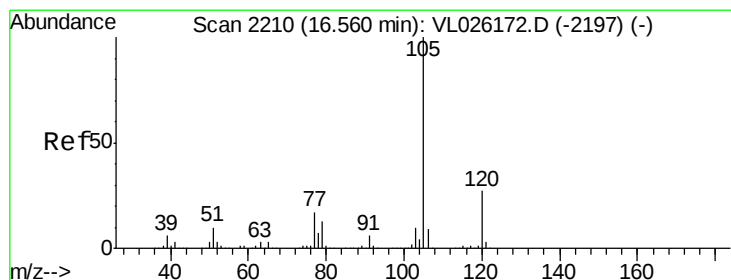
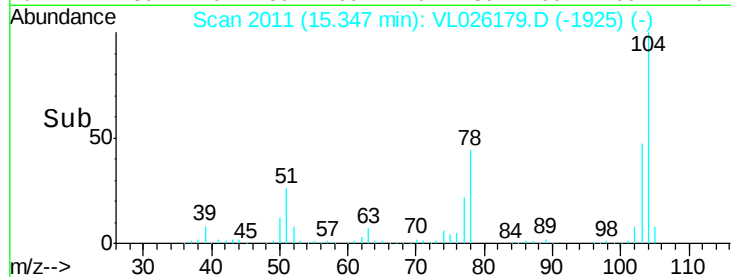
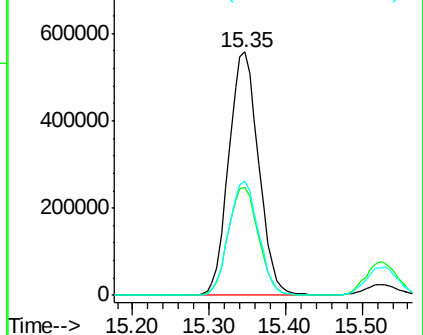
MMdadoda
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.17 ppbv

RT: 16.58 min Scan# 2213

Delta R.T. 0.02 min

Lab File: VL026179.D

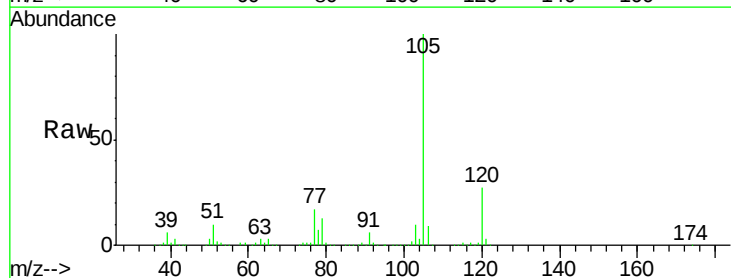
Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 4326513

Ion Ratio Lower Upper

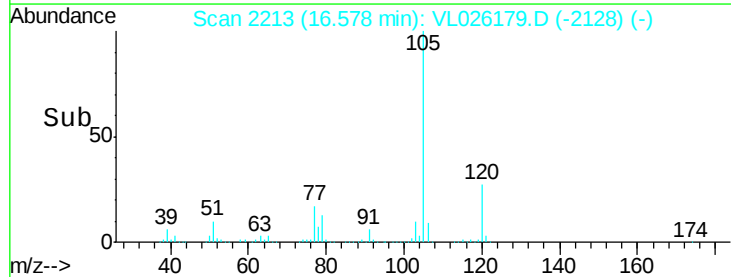
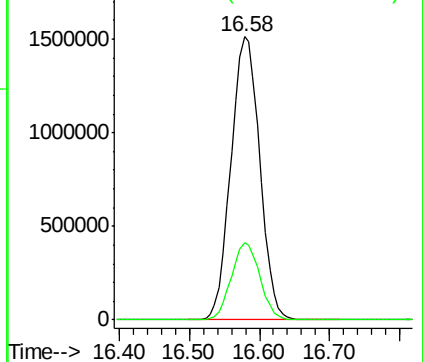
105 100

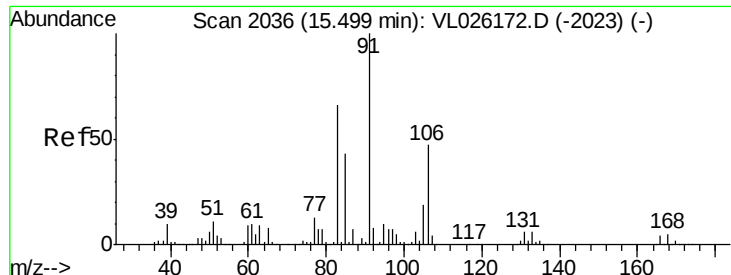
120 26.9 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





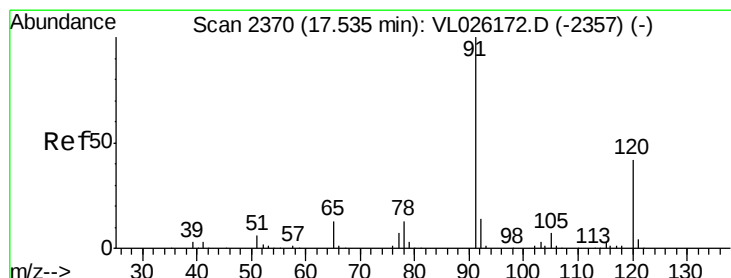
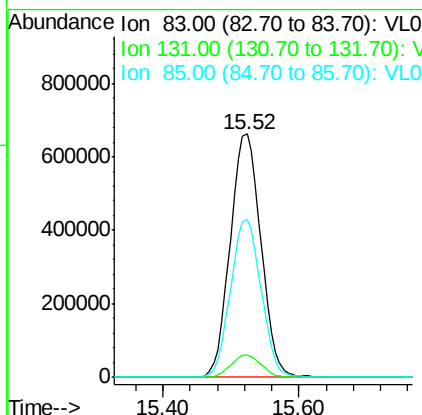
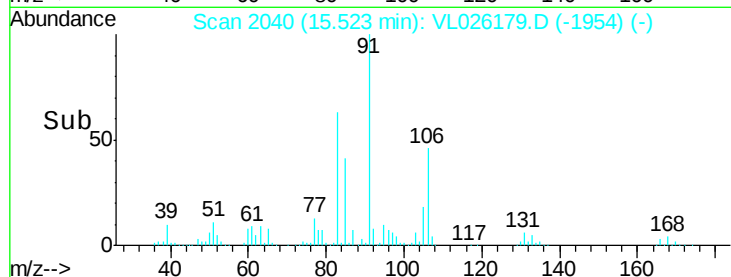
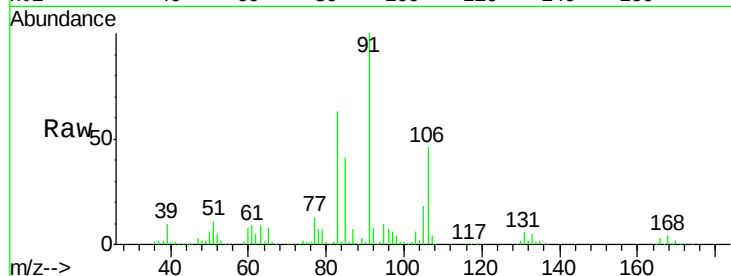
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.81 ppbv
 RT: 15.52 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion: 83 Resp: 2077646
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.7
 85 64.9 32.6 97.7

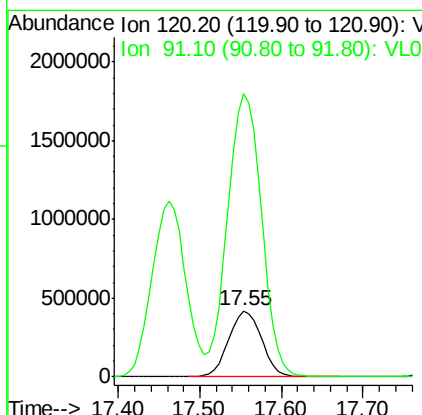
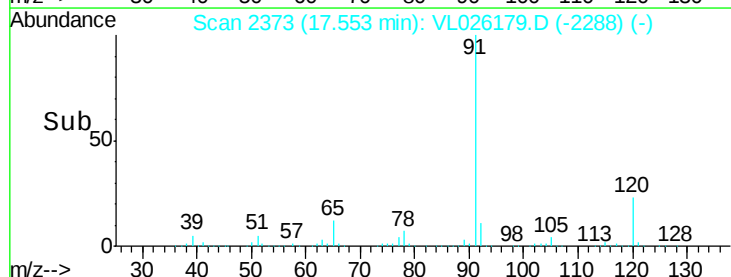
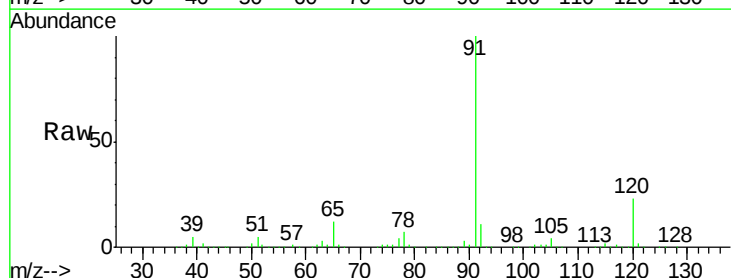
Manual Integrations
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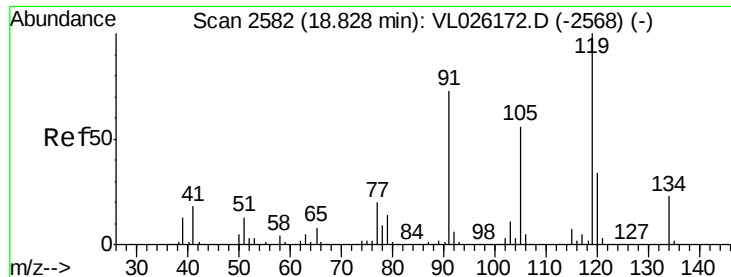
MMdadoda
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#64
 n-propylbenzene
 Concen: 9.25 ppbv
 RT: 17.55 min Scan# 2373
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion:120 Resp: 1174921
 Ion Ratio Lower Upper
 120 100
 91 448.4 353.4 530.2





#65

tert-Butylbenzene

Concen: 8.87 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:119 Resp: 3690776

Ion Ratio Lower Upper

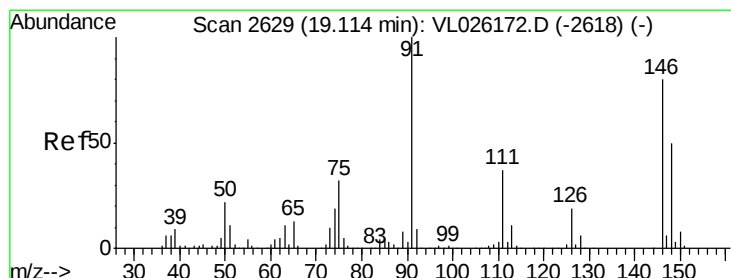
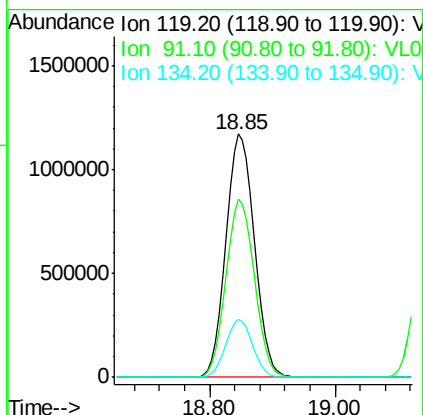
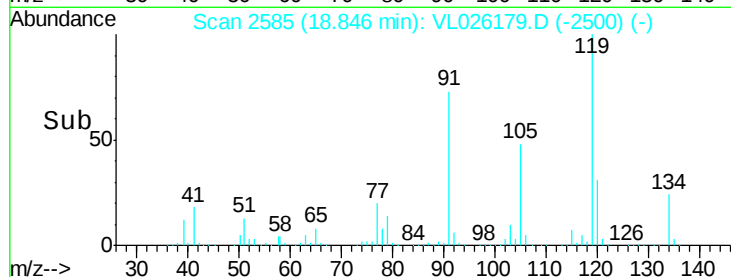
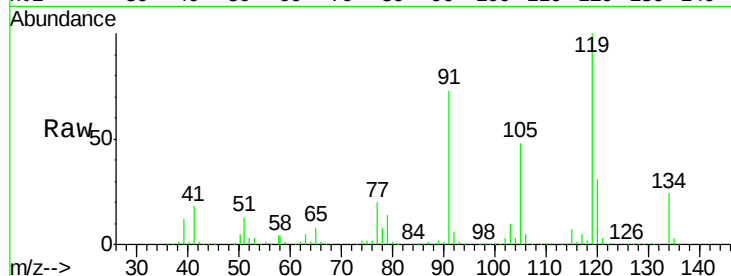
119 100

91 73.2 58.5 87.7

134 22.5 18.0 27.0

Manual Integrations
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MMdadoda
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#66

Benzyl Chloride

Concen: 11.14 ppbv

RT: 19.14 min Scan# 2633

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

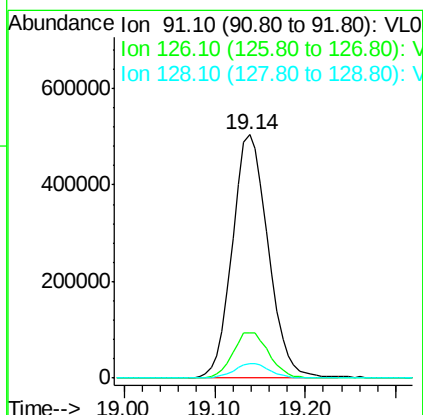
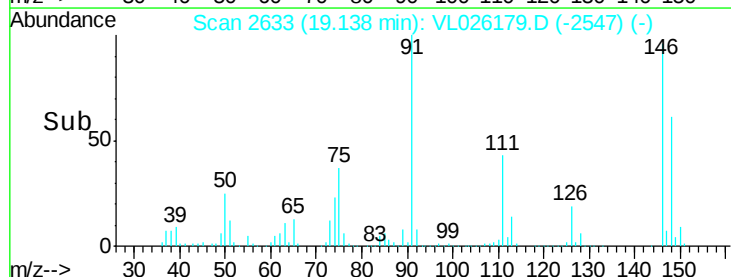
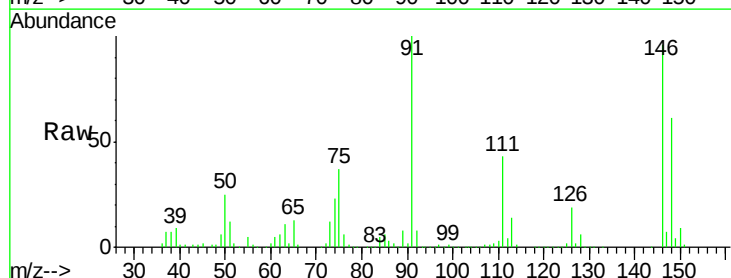
Tgt Ion: 91 Resp: 1377426

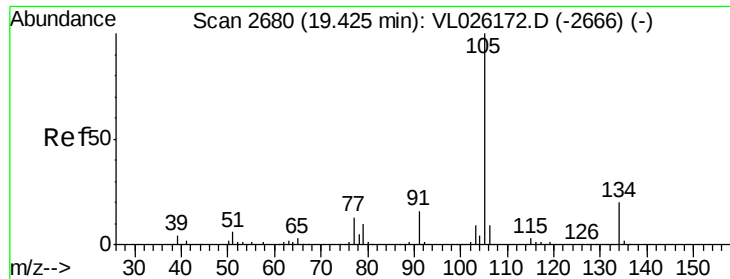
Ion Ratio Lower Upper

91 100

126 19.0 15.2 22.8

128 6.0 4.8 7.2





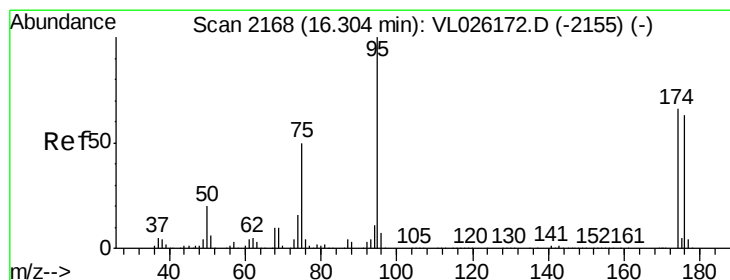
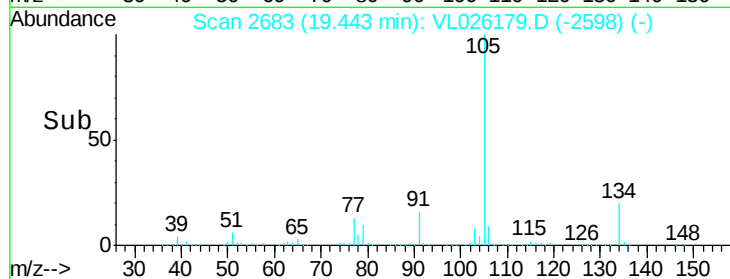
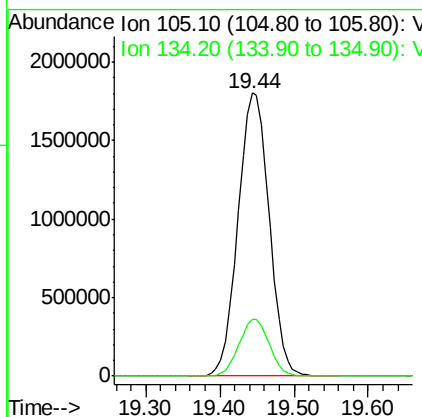
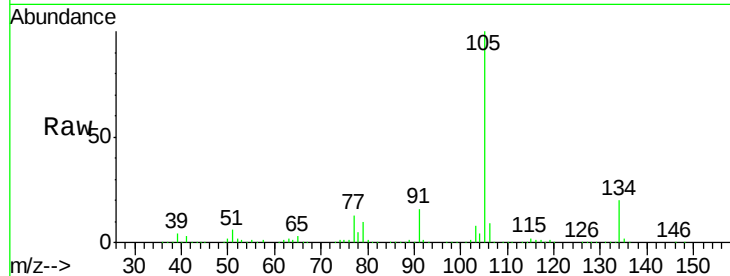
#67
 sec-Butylbenzene
 Concen: 9.13 ppbv
 RT: 19.44 min Scan# 2683
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion: 105 Resp: 5298671
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.9 23.9

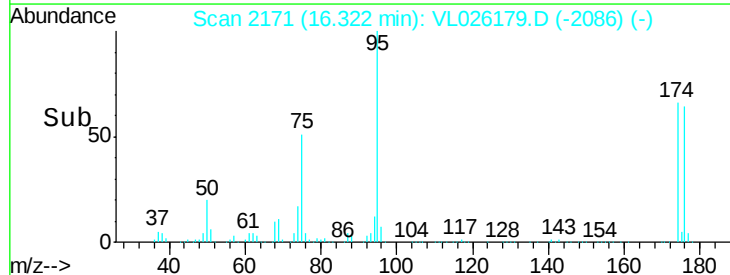
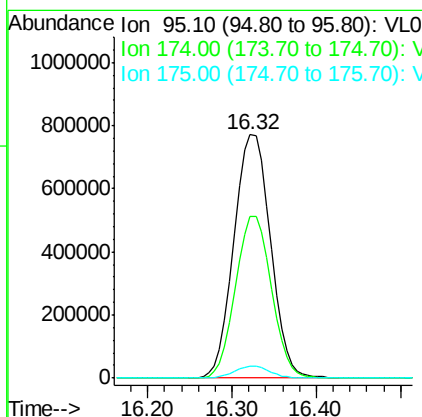
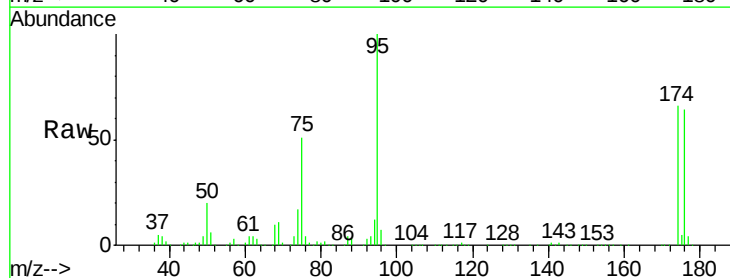
Manual Integrations
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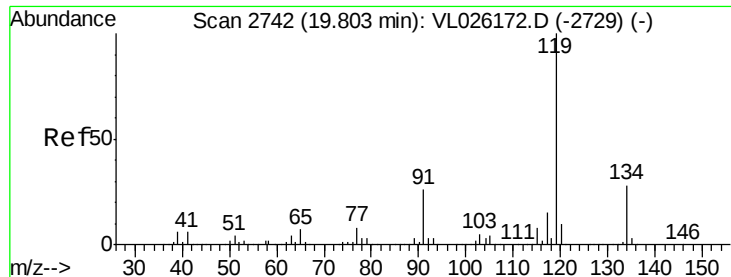
MMdadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.13 ppbv
 RT: 16.32 min Scan# 2171
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Tgt Ion: 95 Resp: 2279007
 Ion Ratio Lower Upper
 95 100
 174 65.5 52.2 78.4
 175 4.8 3.9 5.9





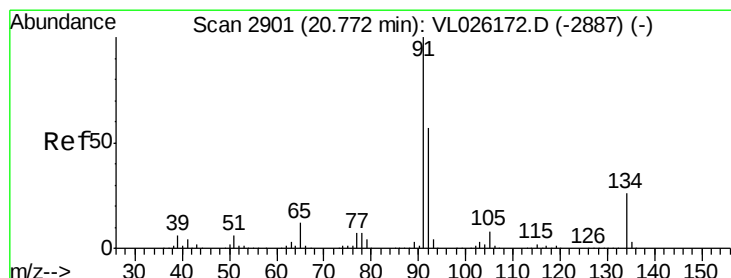
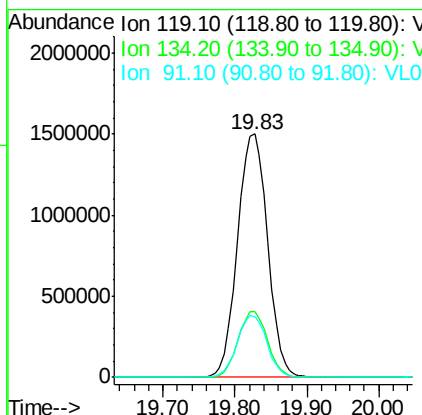
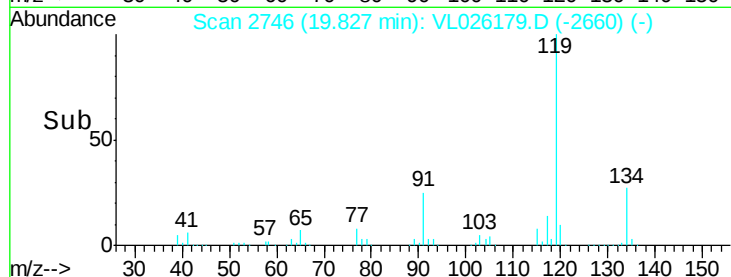
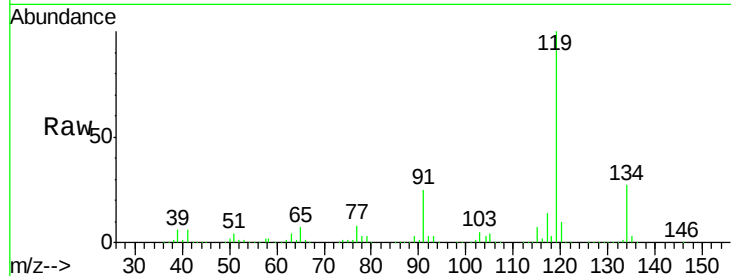
#69
p-Isopropyltoluene
Concen: 9.39 ppbv
RT: 19.83 min Scan# 2746
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion: 119 Resp: 4359279
Ion Ratio Lower Upper
119 100
134 26.6 21.4 32.0
91 25.0 19.9 29.9

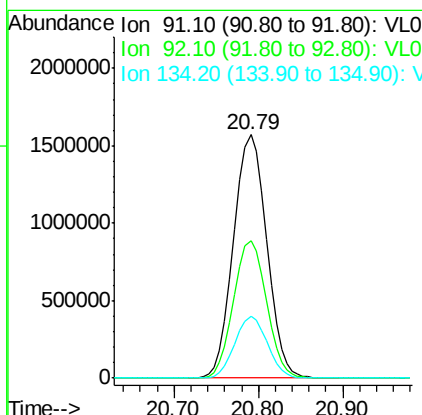
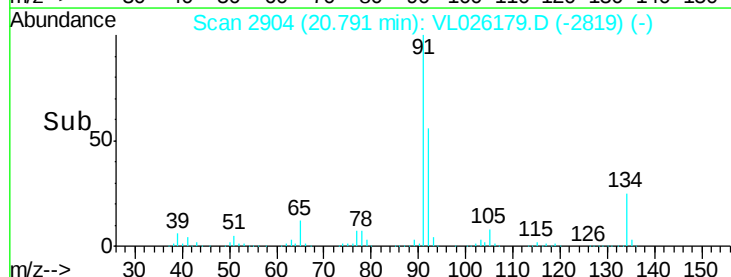
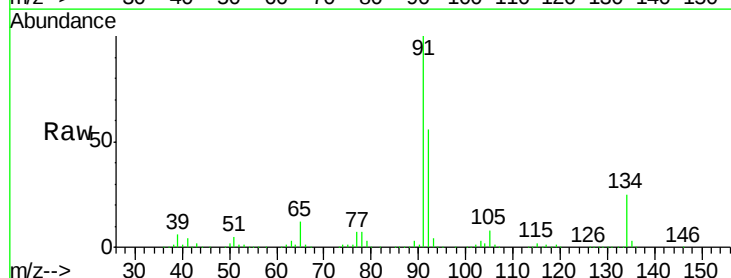
Manual Integrations
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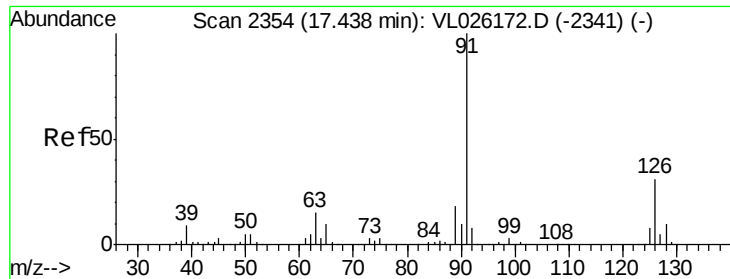
MMdadoda
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#70
n-Butylbenzene
Concen: 9.44 ppbv
RT: 20.79 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 4203028
Ion Ratio Lower Upper
91 100
92 56.1 45.0 67.6
134 24.8 19.8 29.8





#71

2-Chlorotoluene

Concen: 9.34 ppbv

RT: 17.46 min Scan# 2358

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion: 91 Resp: 3219210

Ion Ratio Lower Upper

91 100

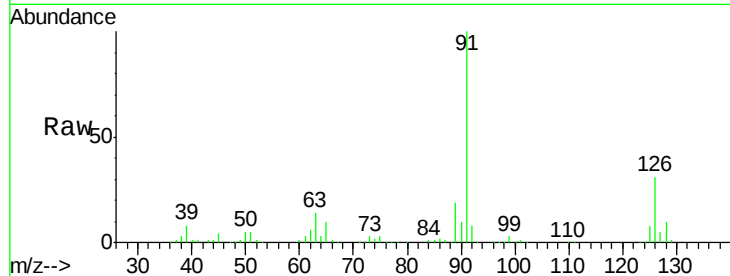
126 31.6 12.8 51.2

Manual Integrations

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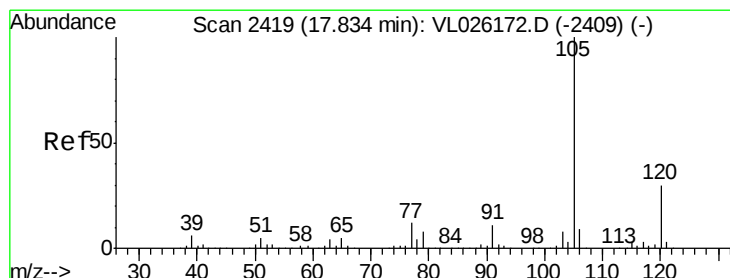
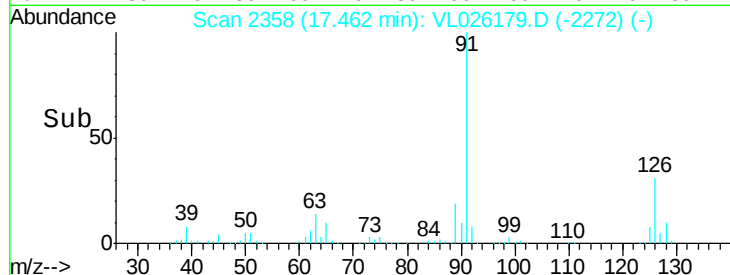
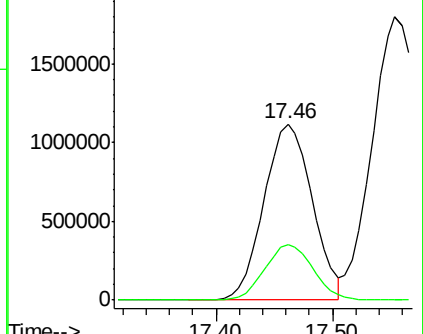
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.49 ppbv

RT: 17.85 min Scan# 2422

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 3625159

Ion Ratio Lower Upper

105 100

120 31.0 24.7 37.1

91 11.5 9.2 13.8

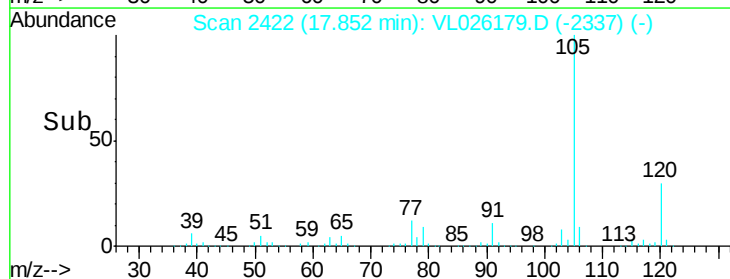
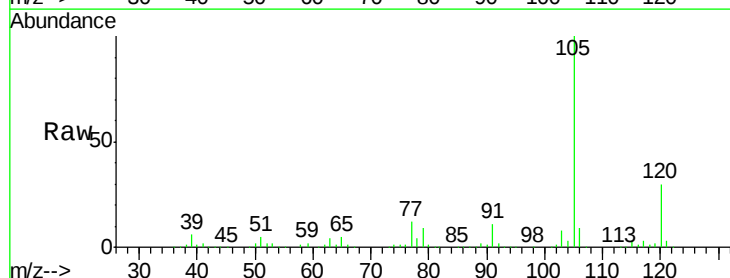
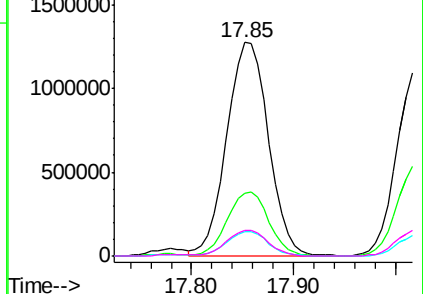
77 12.4 9.8 14.8

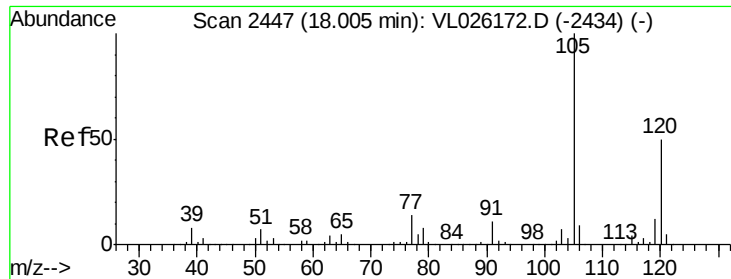
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.33 ppbv

RT: 18.02 min Scan# 2450

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:105 Resp: 3349033

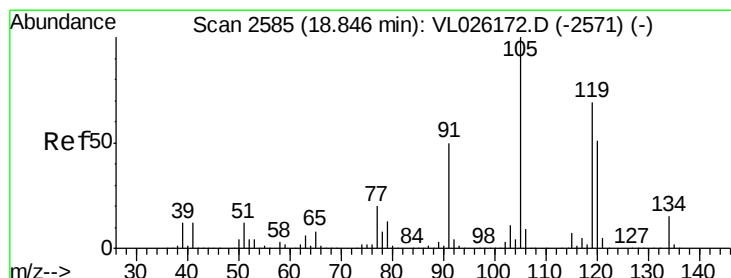
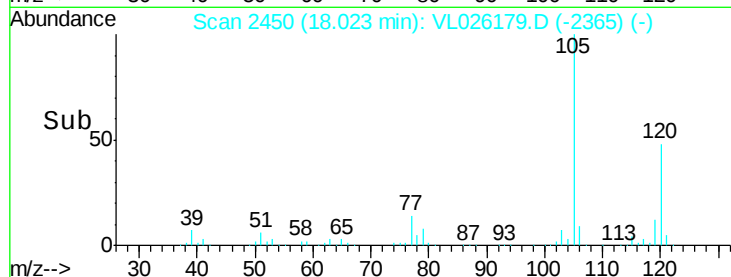
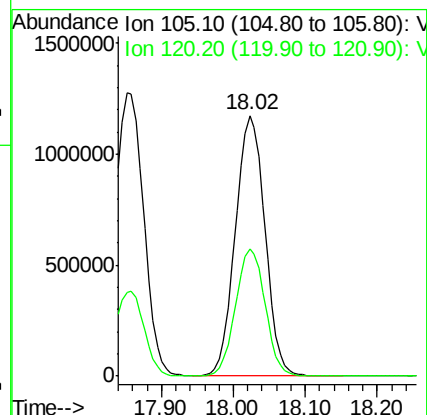
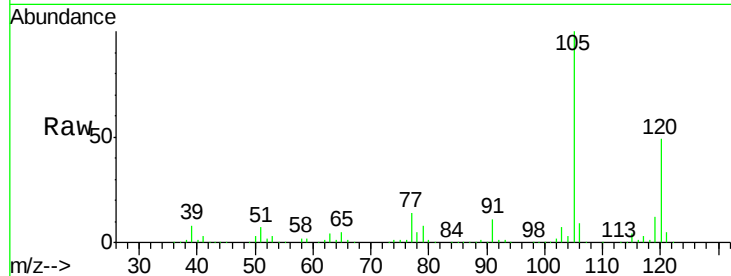
Ion Ratio Lower Upper

105 100

120 49.0 40.1 60.1

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 8.83 ppbv

RT: 18.87 min Scan# 2589

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 3325262

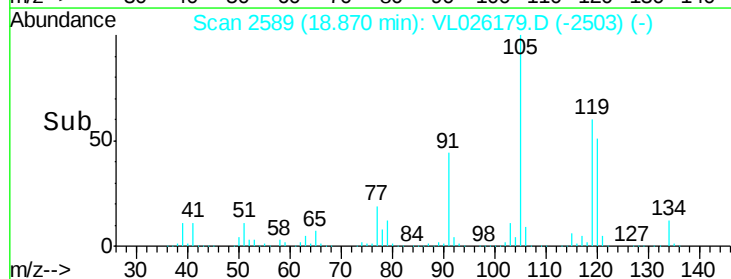
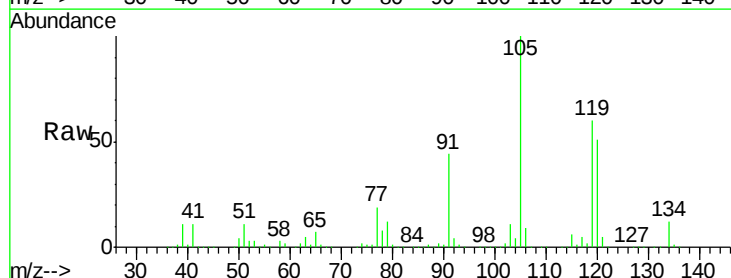
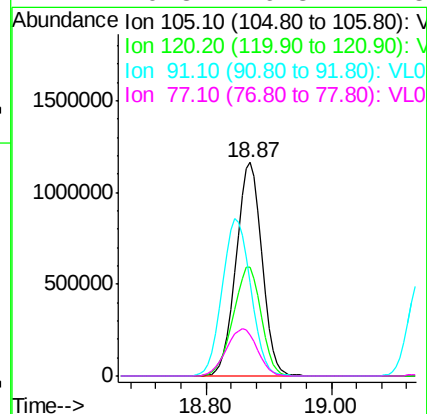
Ion Ratio Lower Upper

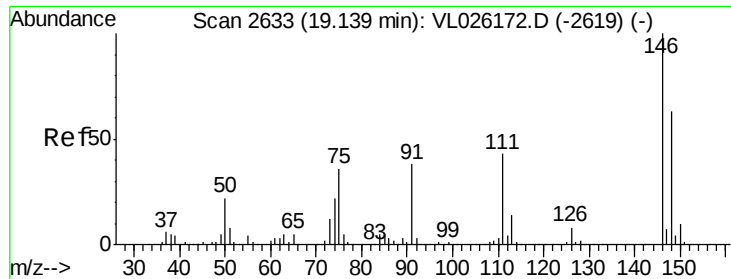
105 100

120 50.8 41.1 61.7

91 43.8 39.8 59.6

77 19.3 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 8.89 ppbv

RT: 19.16 min Scan# 2636

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:146 Resp: 2139815

Ion Ratio Lower Upper

146 100

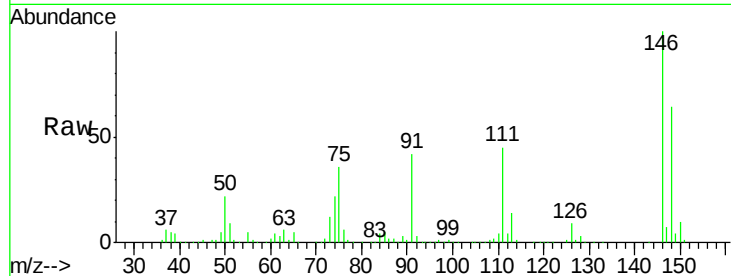
111 44.3 22.1 66.3

148 63.3 31.9 95.5

Manual Integrations
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MMdadoda

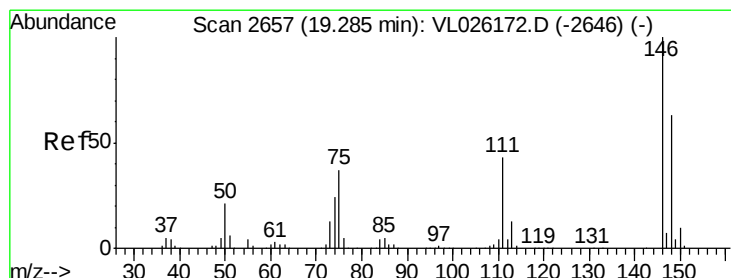
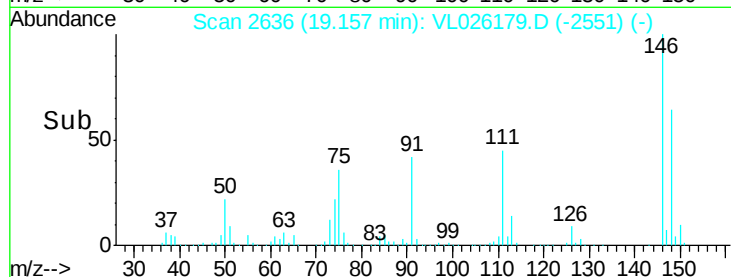
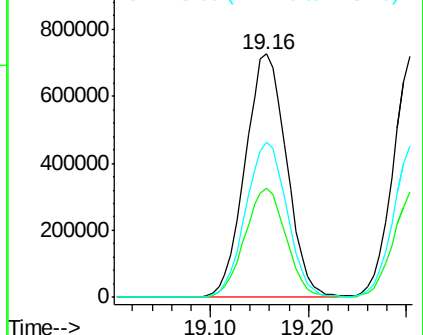
10/12/2015 1:25:19 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.09 ppbv

RT: 19.31 min Scan# 2661

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

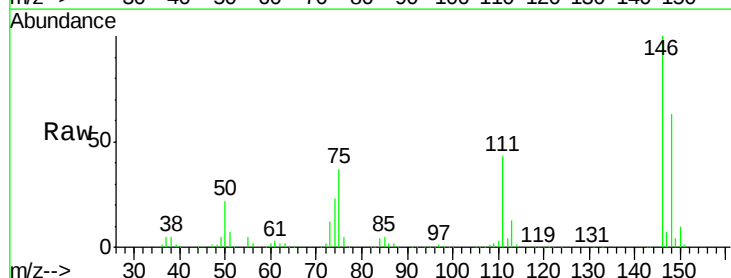
Tgt Ion:146 Resp: 2208927

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.9

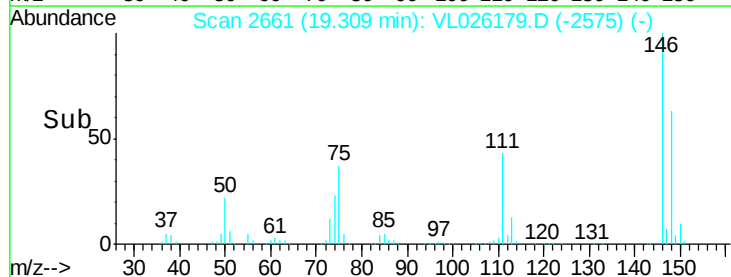
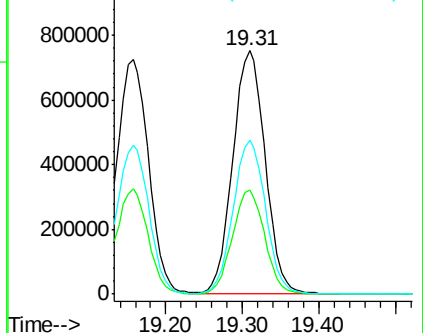
148 63.8 31.6 94.8

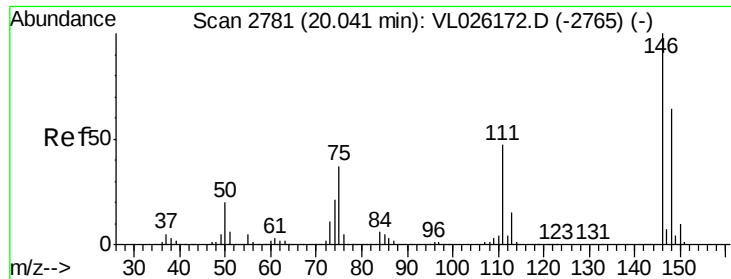


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.92 ppbv

RT: 20.07 min Scan# 2785

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

Instrument :

MSVOA_L

ClientSampleId :

ICVVL100915

Tot Ion:146 Resp: 2100749

Ion Ratio Lower Upper

146 100

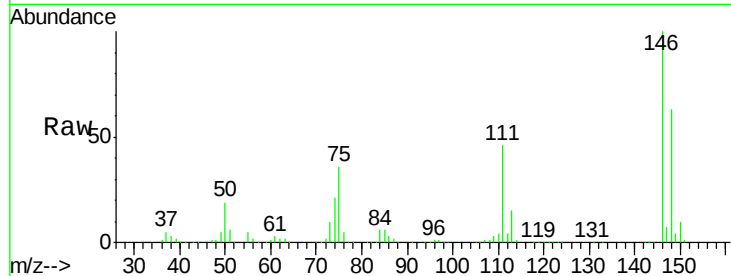
111 46.3 23.0 69.0

148 63.4 31.8 95.3

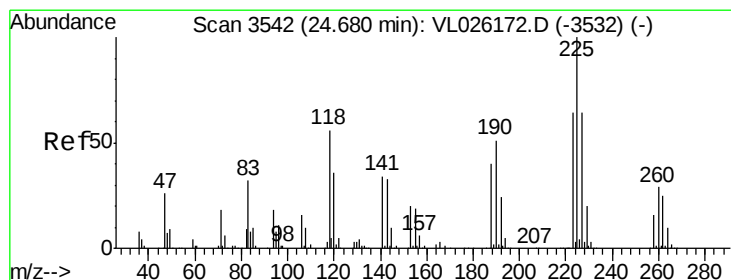
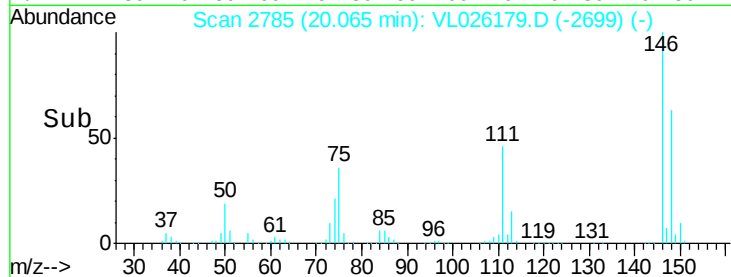
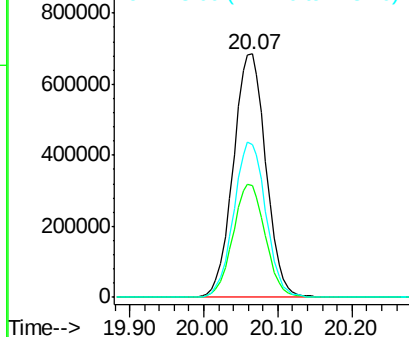
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.53 ppbv

RT: 24.70 min Scan# 3545

Delta R.T. 0.02 min

Lab File: VL026179.D

Acq: 9 Oct 2015 16:11

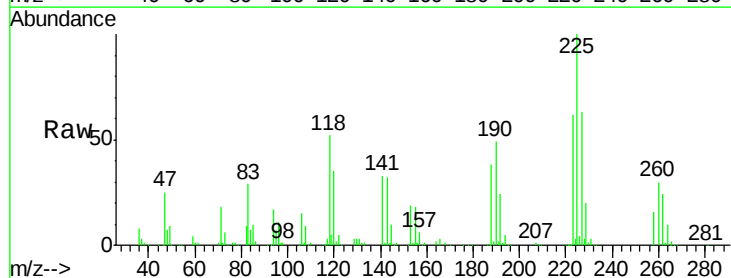
Tgt Ion:225 Resp: 711942

Ion Ratio Lower Upper

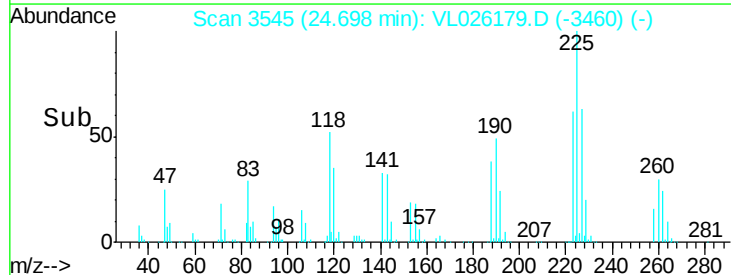
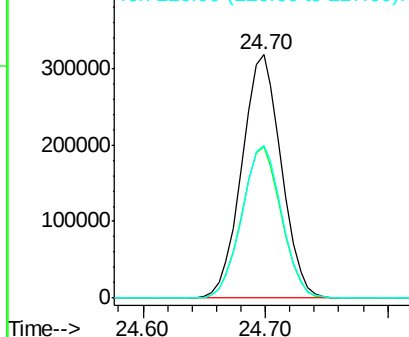
225 100

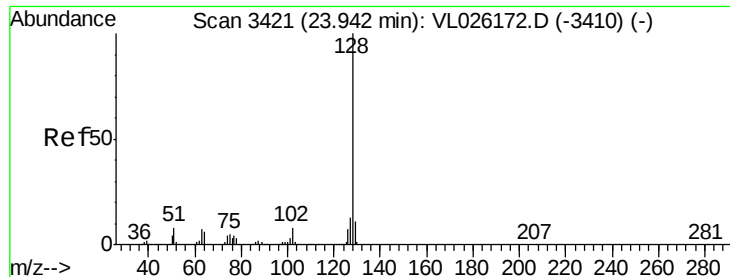
223 62.7 51.1 76.7

227 63.3 50.8 76.2



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





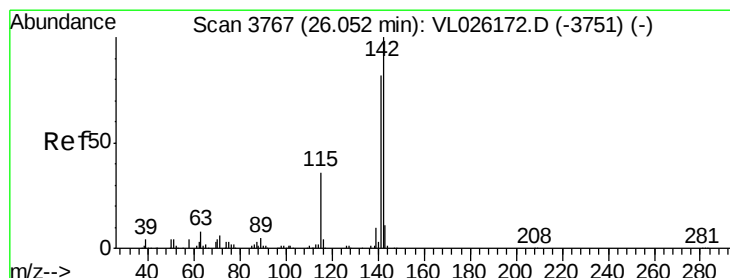
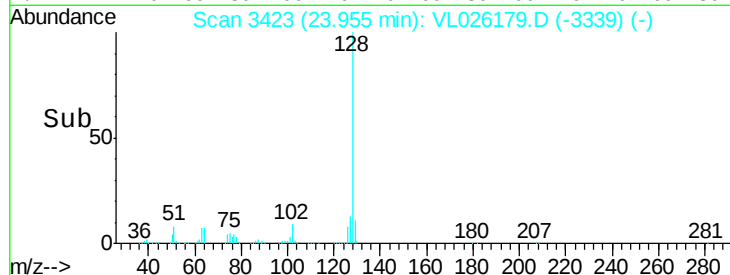
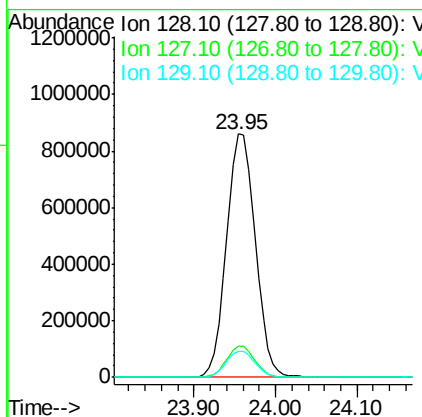
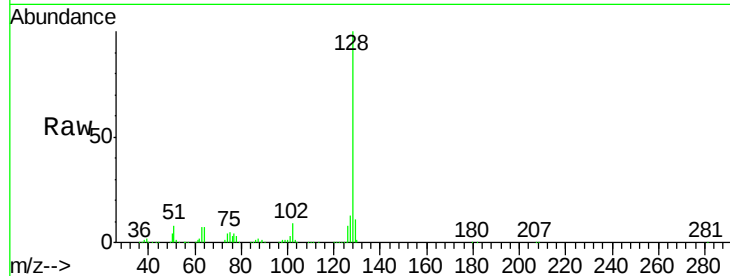
#79
Naphthalene
Concen: 8.89 ppbv
RT: 23.95 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :
ICVVL100915

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.7	13.1

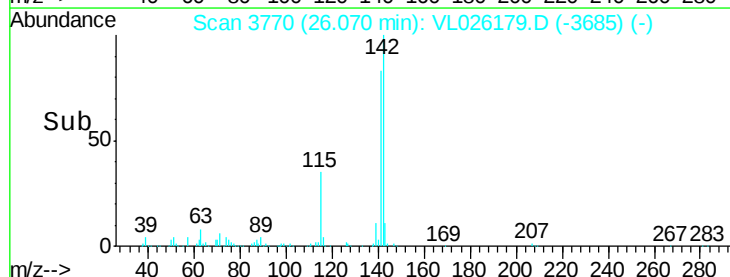
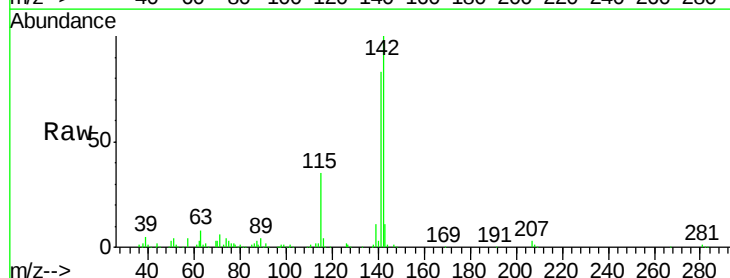
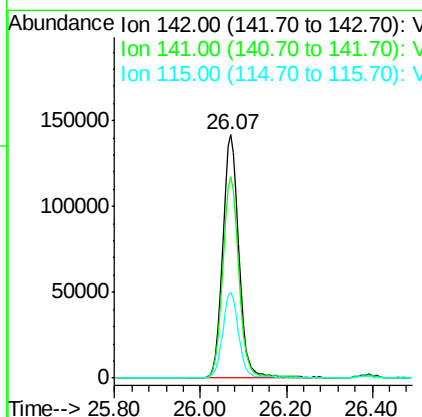
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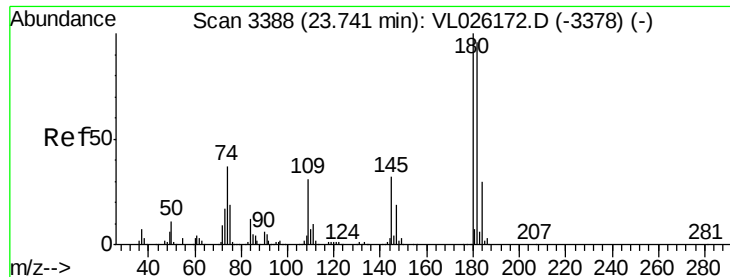
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#80
Naphthalene, 2-methyl-
Concen: 7.16 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.6	99.8
115	35.2	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 8.60 ppbv
 RT: 23.76 min Scan# 3391
 Delta R.T. 0.02 min
 Lab File: VL026179.D
 Acq: 9 Oct 2015 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100915

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
184	30.1	24.0	36.0

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