

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026826.D
 Acq On : 9 Feb 2016 18:51
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:23:10 PM

Quant Time: Feb 10 03:15:13 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:15:13 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1632222	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	4390847	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4046165	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	2994100	8.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	195200	0.38	ppbv	93
3) Chlorodifluoromethane	3.60	51	191917	0.61	ppbv	97
4) Chloromethane	3.78	50	56086	0.58	ppbv	97
5) Vinyl Chloride	3.92	62	56962	0.50	ppbv	97
6) Bromomethane	4.18	94	51500	0.52	ppbv	98
7) Chloroethane	4.27	64	26620	0.50	ppbv	97
8) Dichlorotetrafluoroethane	3.83	85	166679	0.44	ppbv	99
9) Propene	3.62	41	35181	0.55	ppbv	99
10) Heptane	9.39	43	105055	0.43	ppbv	99
11) Trichlorofluoromethane	4.73	101	221170	0.37	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	152524	0.44	ppbv	99
13) Ethanol	4.40	45	6493m	0.44	ppbv	
14) Bromoethene	4.48	108	53296	0.47	ppbv	99
15) Acetone	4.66	43	131560	0.34	ppbv #	71
16) 1,3-Butadiene	4.00	39	44453	0.42	ppbv	92
17) tert-Butyl alcohol	5.21	59	61887	0.30	ppbv	99
18) 1,1-Dichloroethene	5.12	96	61152	0.45	ppbv	99
19) Isopropyl Alcohol	4.83	45	34772	0.34	ppbv #	92
20) Methylene Chloride	5.18	84	63185	0.51	ppbv	98
21) Allyl Chloride	5.26	41	71797	0.44	ppbv	90
22) trans-1,2-Dichloroethene	5.80	96	53845	0.42	ppbv	94
23) Vinyl Acetate	6.03	43	135783	0.33	ppbv #	94
24) 1,1-Dichloroethane	5.94	63	123286	0.43	ppbv	98
25) Ethyl Acetate	6.73	43	119274	0.32	ppbv #	90
26) Hexane	6.70	57	87867	0.47	ppbv	90
27) Carbon Disulfide	5.43	76	158917	0.42	ppbv #	89
28) Methyl tert-Butyl Ether	6.01	73	130284	0.31	ppbv	97
29) Chloroform	6.78	83	150658	0.36	ppbv	97
30) Cyclohexane	8.33	84	66048	0.34	ppbv #	26
31) cis-1,2-Dichloroethene	6.56	61	69820	0.34	ppbv	99
32) 1,1,1-Trichloroethane	7.63	97	136834	0.29	ppbv	98
34) 2-Butanone	6.26	43	102365	0.50	ppbv	99
35) Carbon Tetrachloride	8.20	117	146154	0.34	ppbv	94
36) Benzene	8.06	78	156239	0.42	ppbv	97
37) 1,2-Dichloroethane	7.41	62	106763	0.34	ppbv	98
38) Trichloroethene	9.10	130	70141	0.40	ppbv	96
39) 1,2-Dichloropropane	8.86	63	64555	0.52	ppbv	95
40) 1,4-Dioxane	9.24	88	8293m	0.27	ppbv	
41) Tetrahydrofuran	7.21	42	40420	0.44	ppbv	97
42) Bromodichloromethane	9.06	83	133760	0.33	ppbv	98
43) Methyl Methacrylate	9.31	69	44591	0.31	ppbv	95

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Manual Integrations
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Quant Time: Feb 10 03:15:13 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:15:13 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	258199	0.44	ppbv	94
45) t-1,3-Dichloropropene	10.70	75	55069	0.22	ppbv	99
46) cis-1,3-Dichloropropene	10.06	75	69932	0.27	ppbv	97
47) 1,1,2-Trichloroethane	10.92	97	66935	0.34	ppbv	98
48) Dibromochloromethane	11.84	129	96053	0.26	ppbv	99
49) Bromoform	14.85	173	66272	0.21	ppbv	99
50) 4-Methyl-2-Pentanone	10.15	43	94574	0.33	ppbv	98
51) 2-Hexanone	11.70	43	65487	0.24	ppbv #	95
52) Tetrachloroethene	12.83	164	58872	0.28	ppbv	95
53) Toluene	11.28	91	142773	0.26	ppbv	100
54) 1,2-Dibromoethane	12.18	107	91853	0.28	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.83	131	82755	0.39	ppbv #	1
57) Chlorobenzene	13.85	112	160809	0.39	ppbv	98
58) Ethyl Benzene	14.46	91	184458	0.28	ppbv	95
59) m/p-Xylene	14.76	91	348778	0.60	ppbv	97
60) o-Xylene	15.53	91	189798	0.30	ppbv	100
61) Styrene	15.36	104	47427m	0.21	ppbv	
62) Isopropylbenzene	16.59	105	232392	0.28	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.52	83	144551	0.35	ppbv	99
64) n-propylbenzene	17.57	120	56233	0.24	ppbv	80
65) tert-Butylbenzene	18.86	119	191550	0.23	ppbv	97
66) Benzyl Chloride	19.16	91	53943	0.17	ppbv	96
67) sec-Butylbenzene	19.46	105	269695	0.22	ppbv	96
69) p-Isopropyltoluene	19.83	119	193598	0.19	ppbv	98
70) n-Butylbenzene	20.80	91	179168	0.17	ppbv	95
71) 2-Chlorotoluene	17.47	91	134534	0.21	ppbv	100
72) 4-Ethyltoluene	17.87	105	147580	0.20	ppbv #	97
73) 1,3,5-Trimethylbenzene	18.04	105	154577	0.22	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	185777	0.23	ppbv	94
75) 1,3-Dichlorobenzene	19.16	146	119134	0.23	ppbv	100
76) 1,4-Dichlorobenzene	19.32	146	113592	0.22	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	115232	0.21	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	60469	0.23	ppbv	99
79) Naphthalene	23.98	128	81594	0.12	ppbv	99
80) Naphthalene, 2-methyl-	26.10	142	42948	0.36	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	47624	0.16	ppbv	98

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

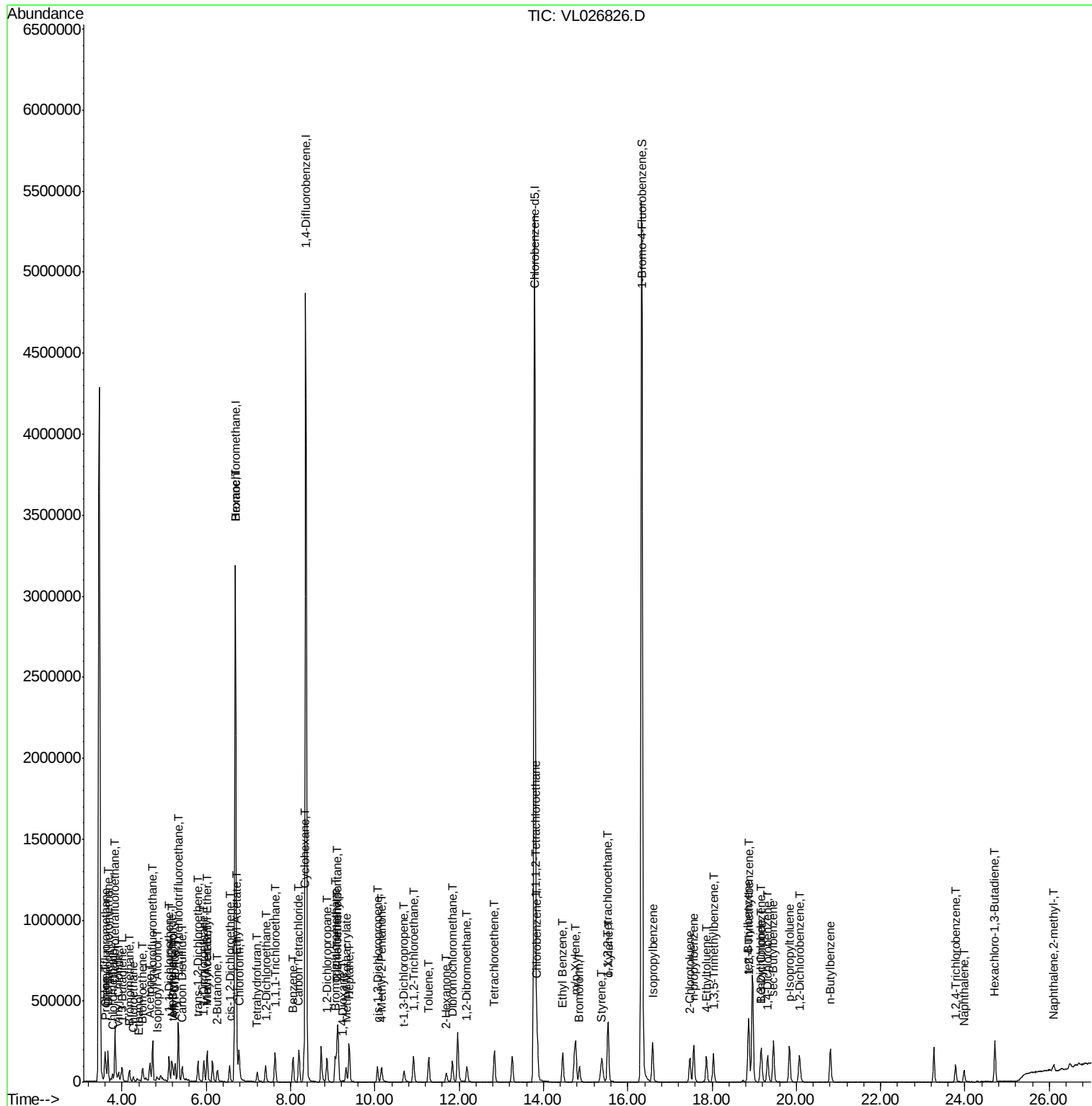
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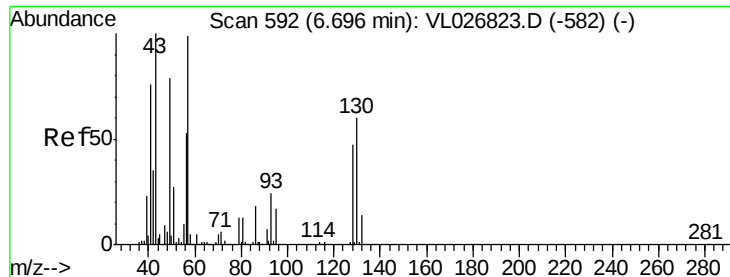
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.5

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 02:03:34 2016
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#1

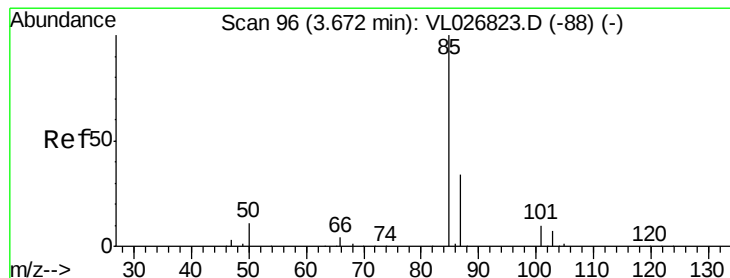
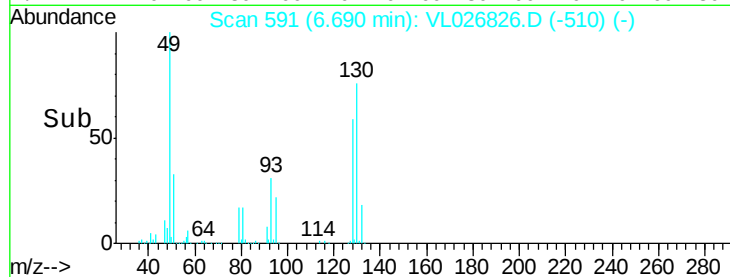
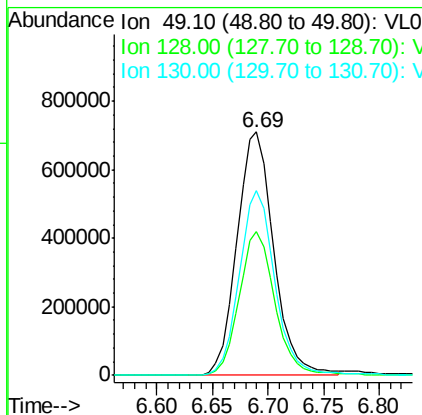
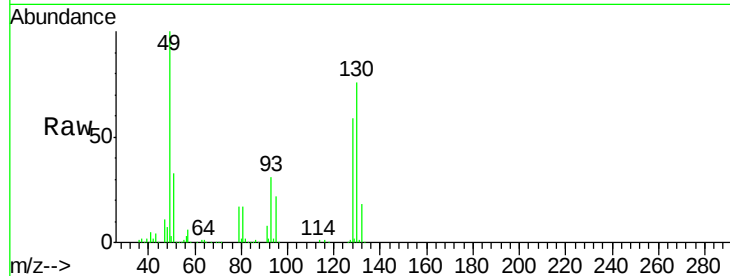
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.69 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 49 Resp: 1632222
 Ion Ratio Lower Upper
 49 100
 128 58.2 29.7 89.1
 130 74.5 38.3 114.8

Manual Integrations
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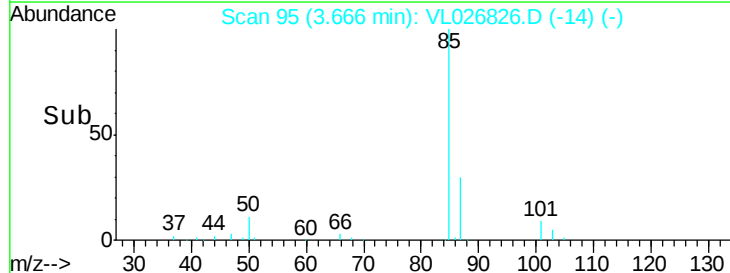
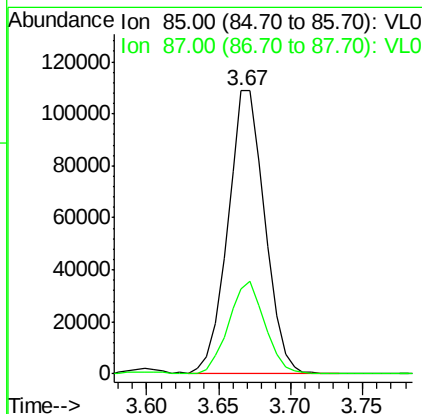
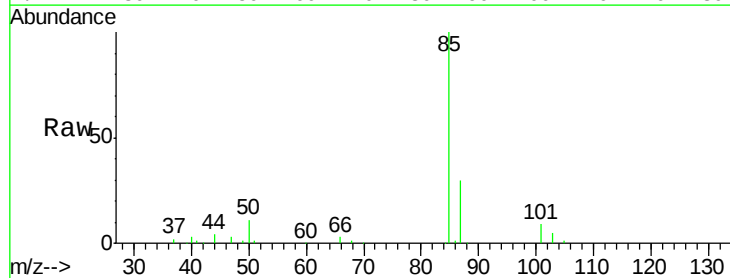
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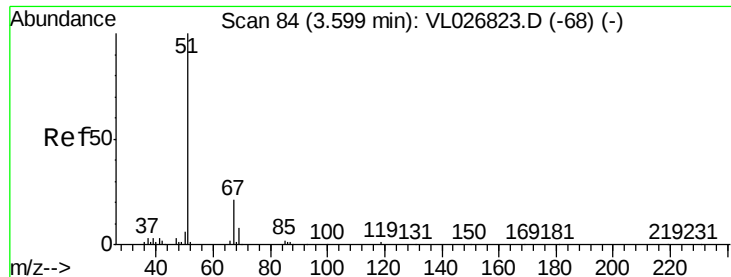


#2

Dichlorodifluoromethane
 Concen: 0.38 ppbv
 RT: 3.67 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion: 85 Resp: 195200
 Ion Ratio Lower Upper
 85 100
 87 30.1 27.3 40.9





#3

Chlorodifluoromethane

Concen: 0.61 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 191917

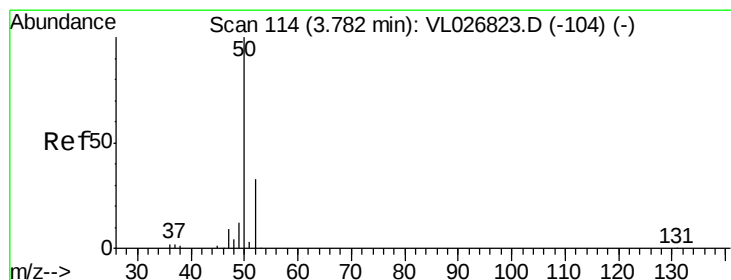
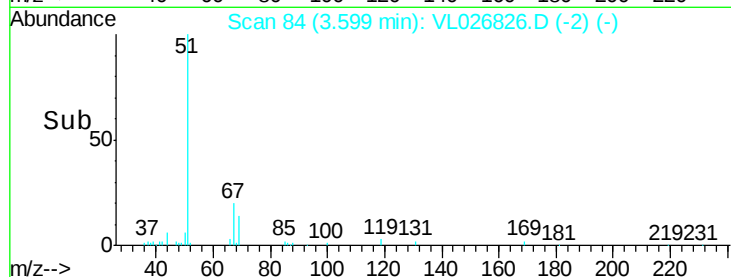
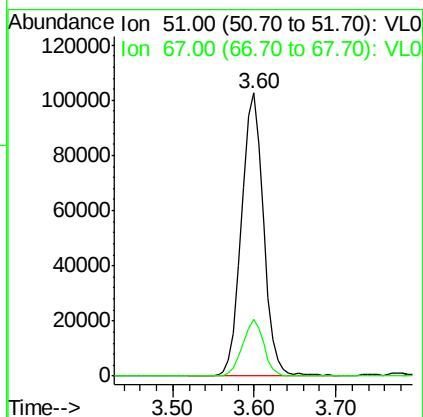
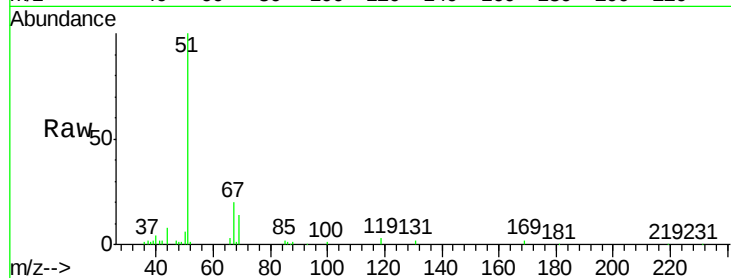
Ion Ratio Lower Upper

51 100

67 19.2 16.4 24.6

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#4

Chloromethane

Concen: 0.58 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026826.D

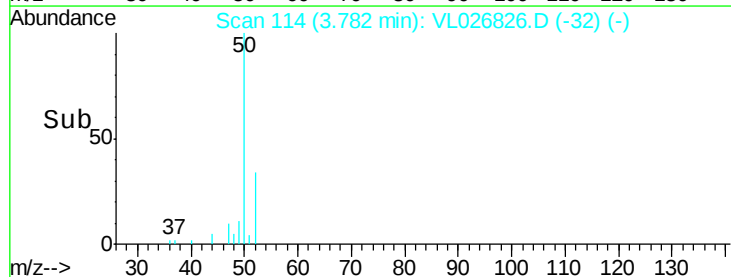
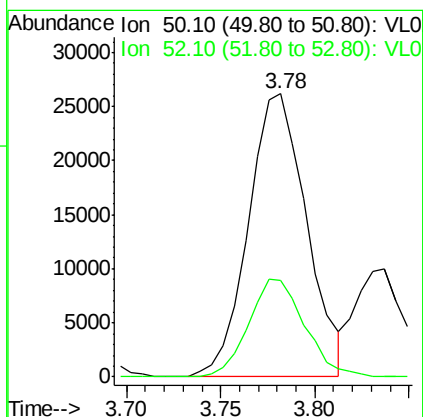
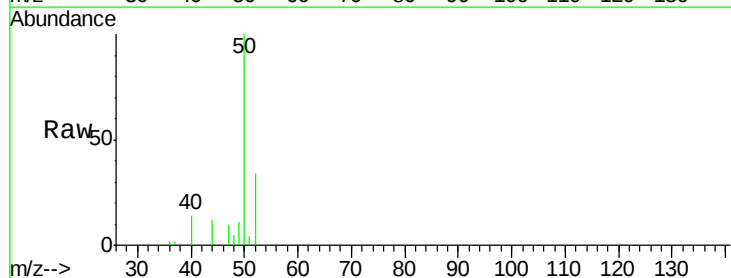
Acq: 9 Feb 2016 18:51

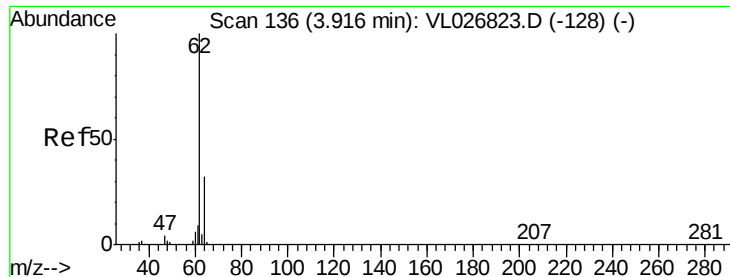
Tgt Ion: 50 Resp: 56086

Ion Ratio Lower Upper

50 100

52 34.3 26.3 39.5





#5

Vinyl Chloride

Concen: 0.50 ppbv

RT: 3.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 56962

Ion Ratio Lower Upper

62 100

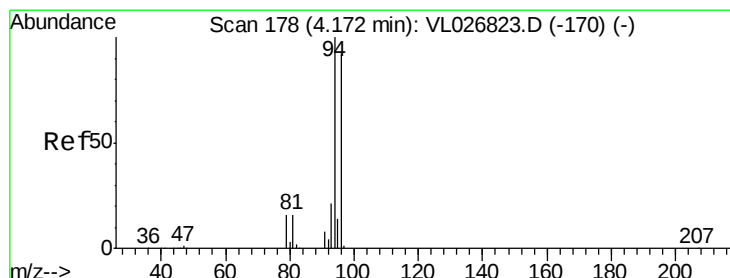
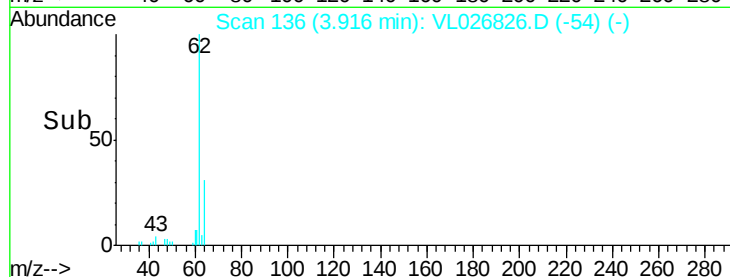
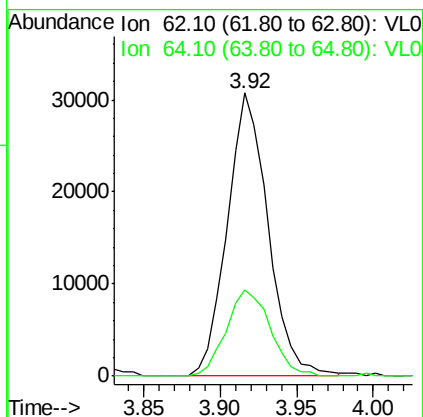
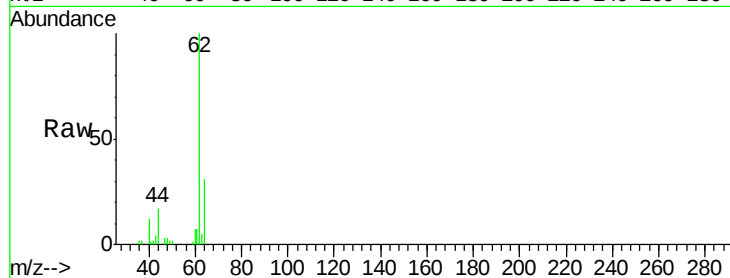
64 30.6 25.8 38.6

Manual Integrations

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#6

Bromomethane

Concen: 0.52 ppbv

RT: 4.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL026826.D

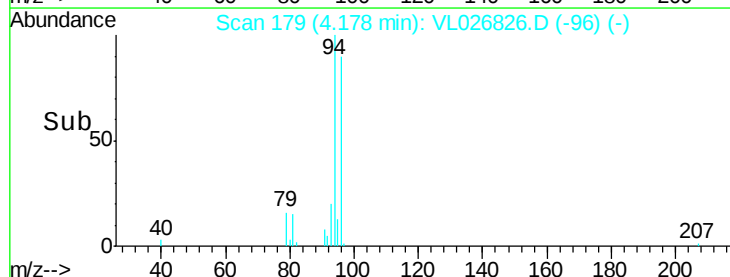
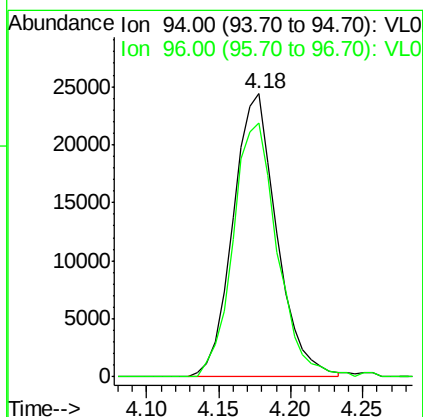
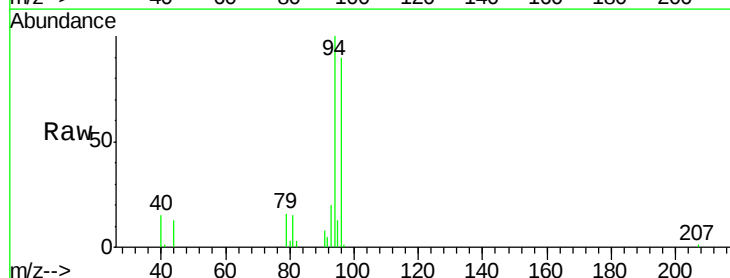
Acq: 9 Feb 2016 18:51

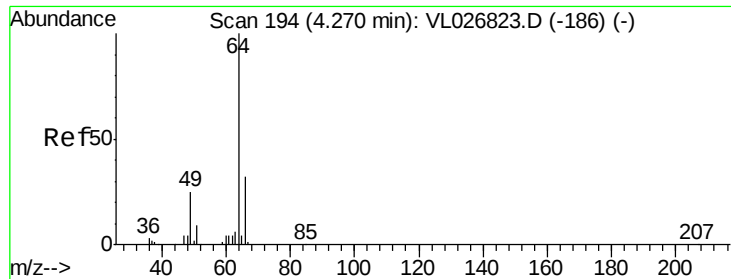
Tgt Ion: 94 Resp: 51500

Ion Ratio Lower Upper

94 100

96 89.8 73.2 109.8





#7

Chloroethane

Concen: 0.50 ppbv

RT: 4.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 26620

Ion Ratio Lower Upper

64 100

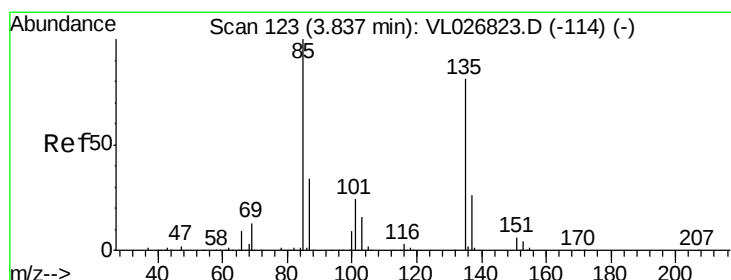
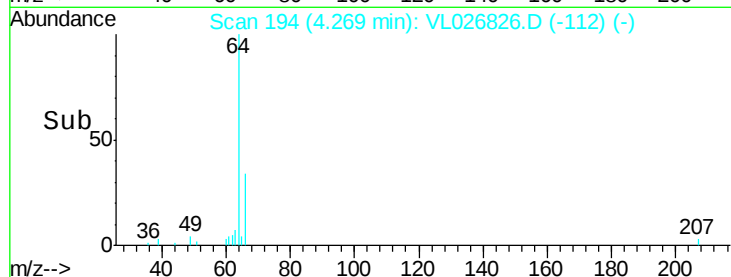
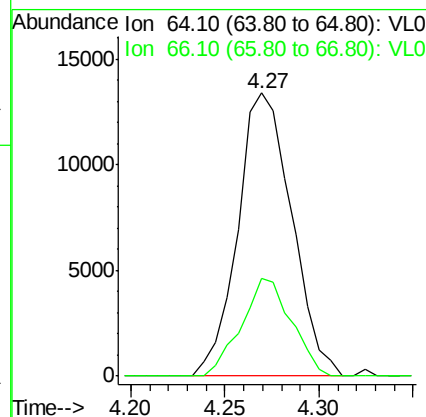
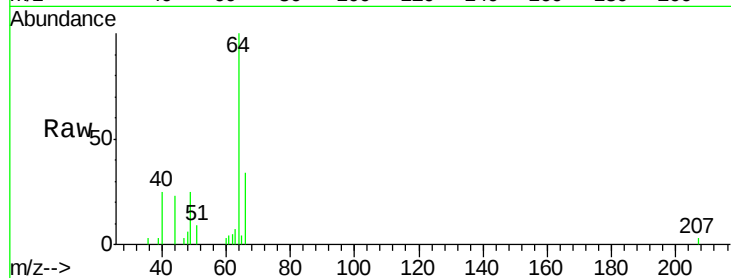
66 33.1 25.4 38.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.44 ppbv

RT: 3.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL026826.D

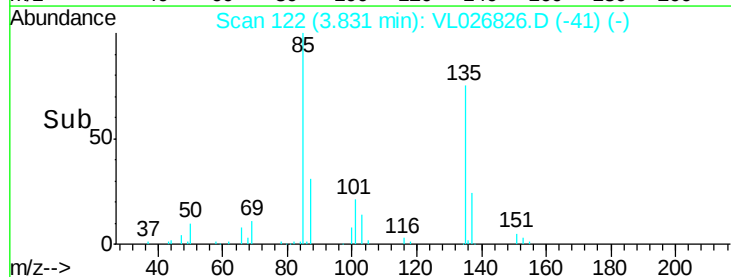
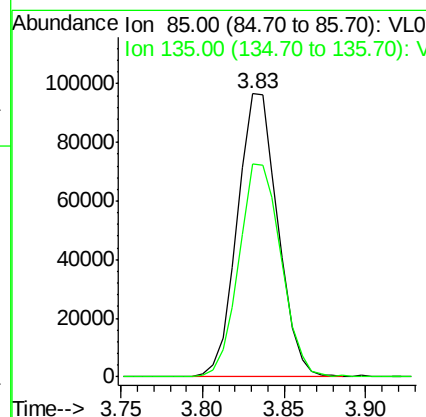
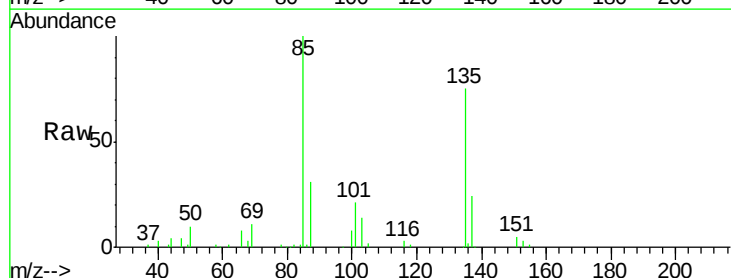
Acq: 9 Feb 2016 18:51

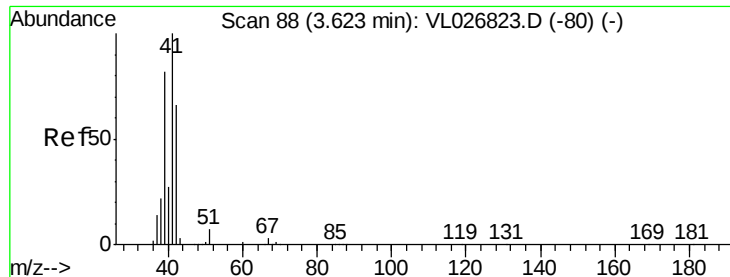
Tgt Ion: 85 Resp: 166679

Ion Ratio Lower Upper

85 100

135 78.3 63.2 94.8





#9

Propene

Concen: 0.55 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 35181

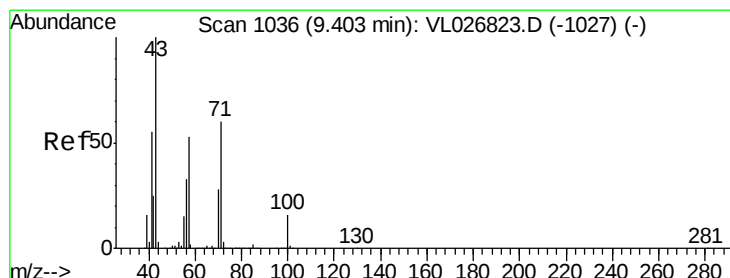
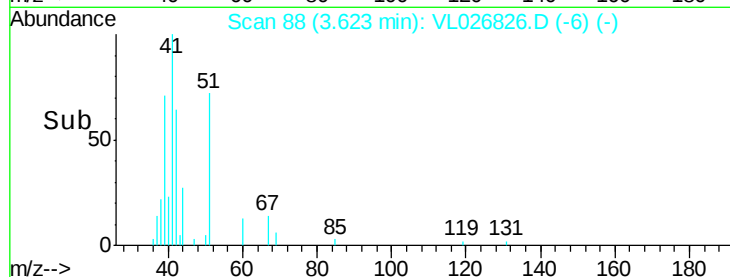
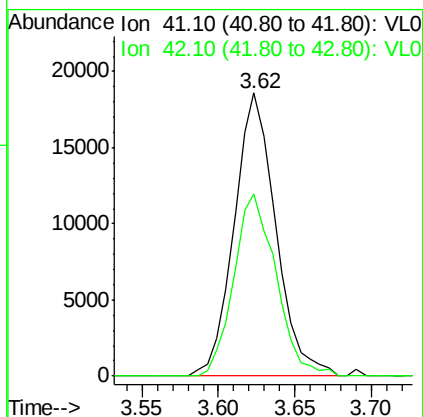
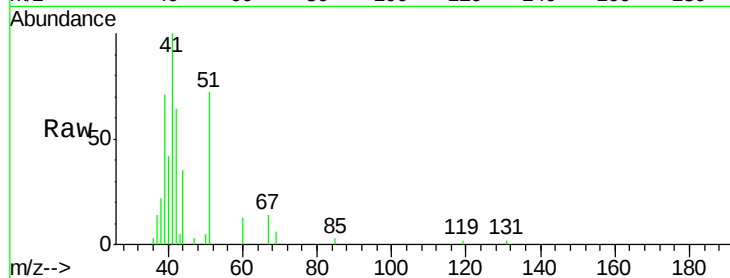
Ion Ratio Lower Upper

41 100

42 65.2 52.8 79.2

Manual Integrations
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#10

Heptane

Concen: 0.43 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026826.D

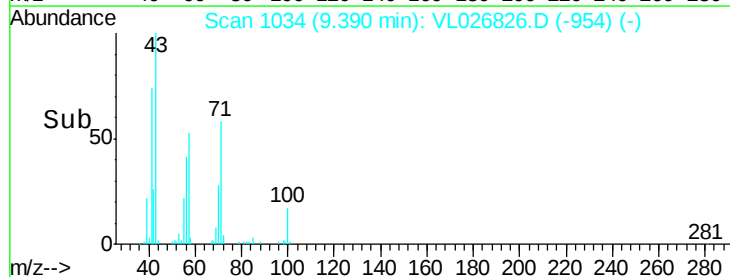
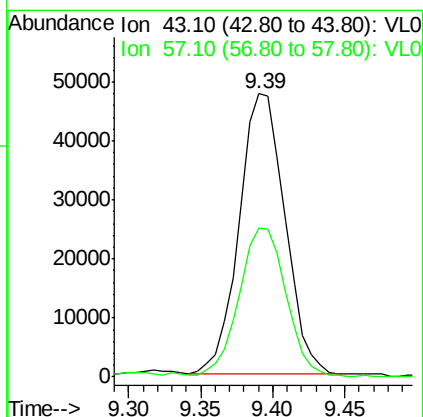
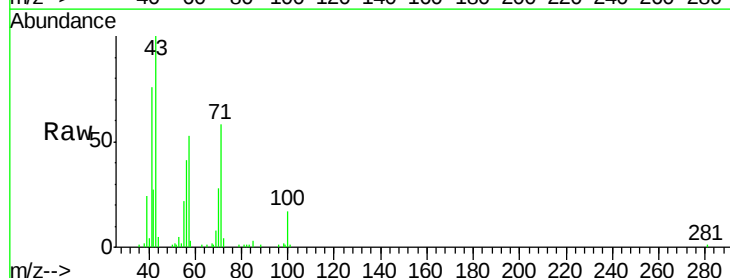
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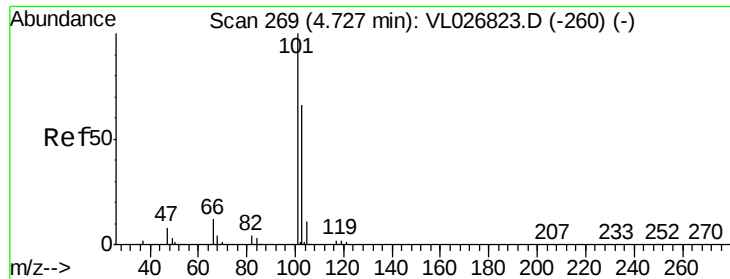
Tgt Ion: 43 Resp: 105055

Ion Ratio Lower Upper

43 100

57 55.5 44.0 66.0





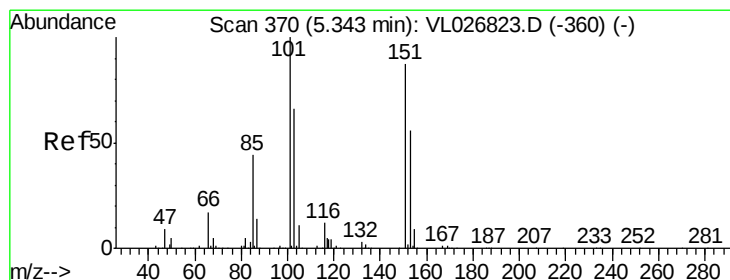
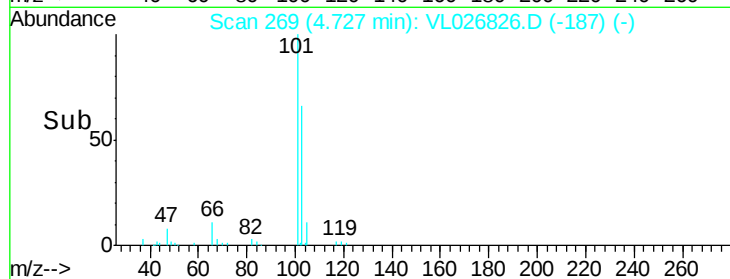
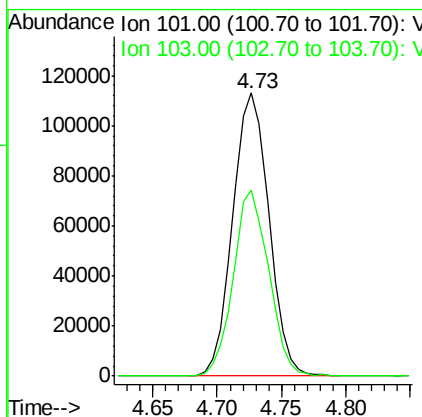
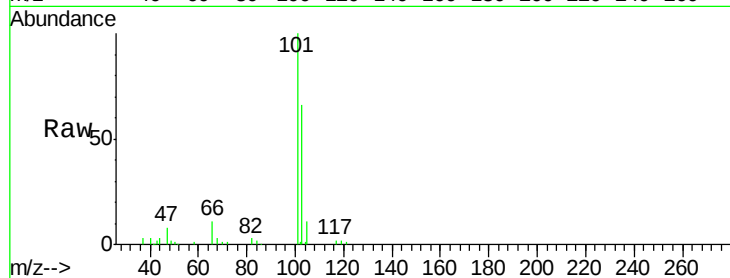
#11
 Trichlorofluoromethane
 Concen: 0.37 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.7	79.1

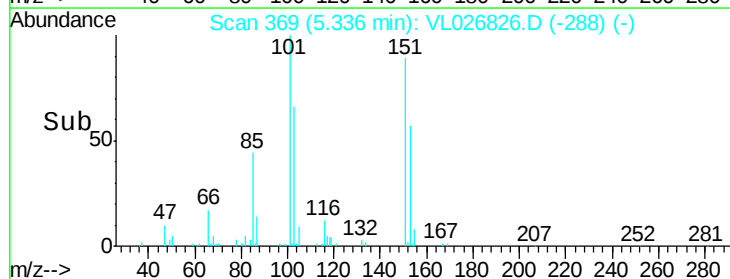
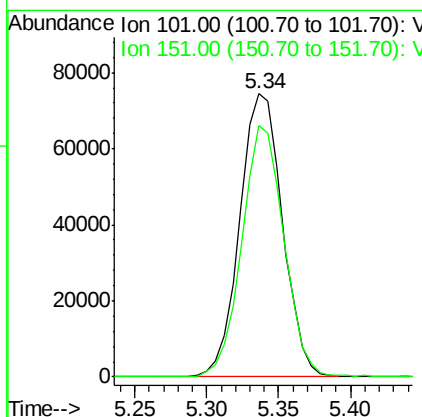
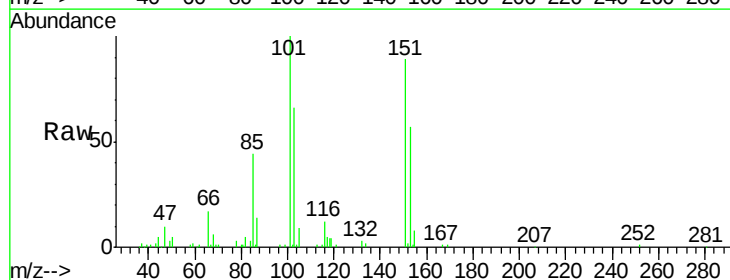
Manual Integrations
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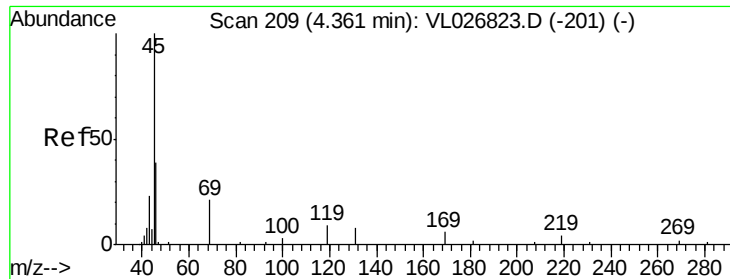
MMDadoda
 2/11/2016 1:23:10 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.44 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
101	100		
151	87.4	69.4	104.0





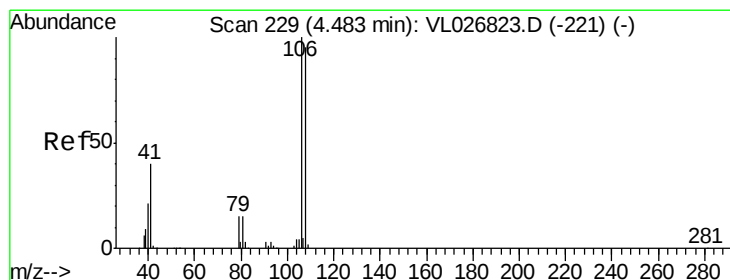
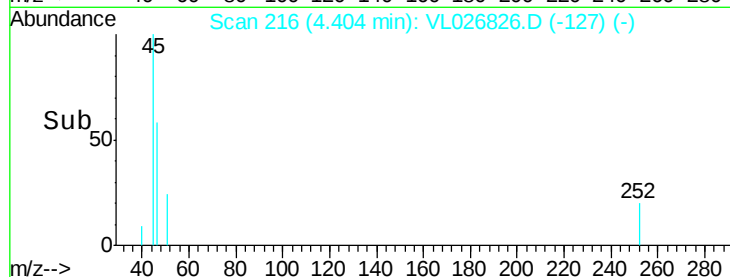
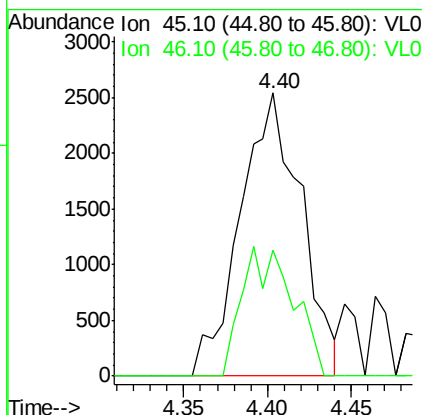
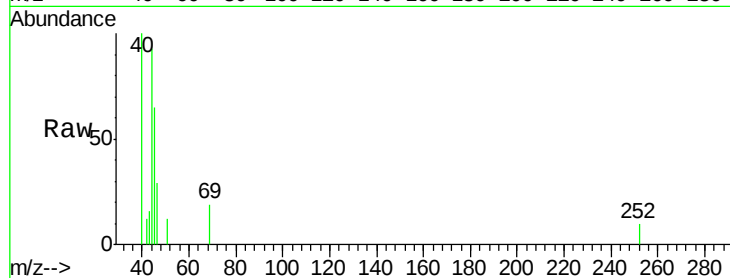
#13
Ethanol
Concen: 0.44 ppbv m
RT: 4.40 min Scan# 216
Delta R.T. 0.04 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 6493
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.4#

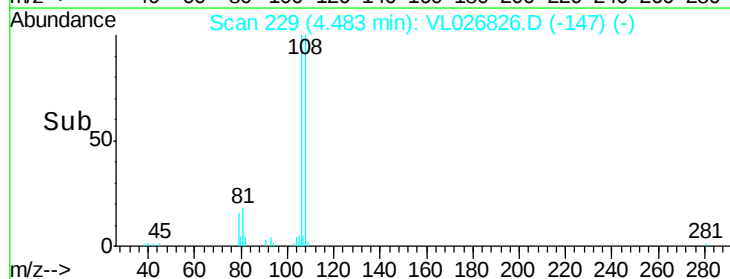
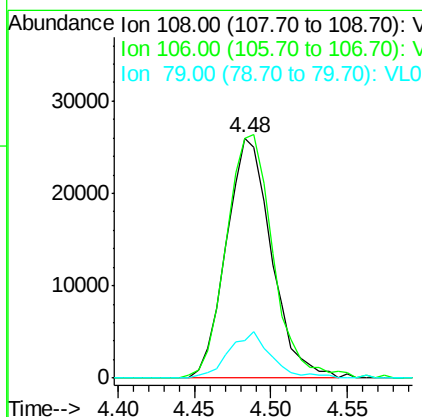
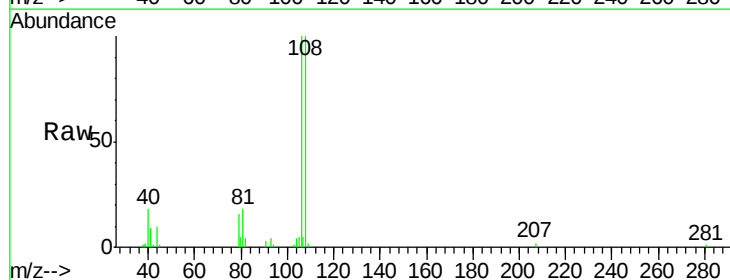
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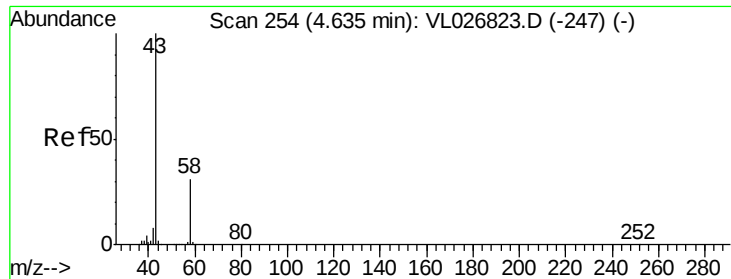
MMDadoda
2/11/2016 1:23:10 PM



#14
Bromoethene
Concen: 0.47 ppbv
RT: 4.48 min Scan# 229
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 108 Resp: 53296
Ion Ratio Lower Upper
108 100
106 104.9 84.6 126.8
79 18.3 13.4 20.0





#15

Acetone

Concen: 0.34 ppbv

RT: 4.66 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 131560

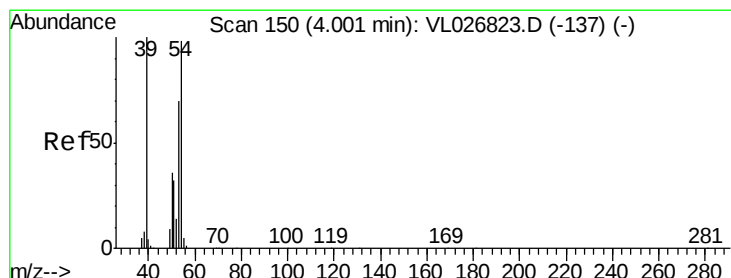
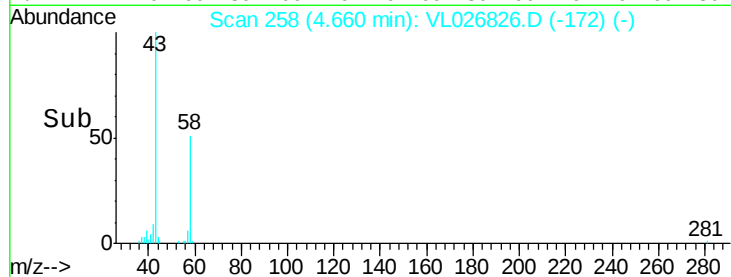
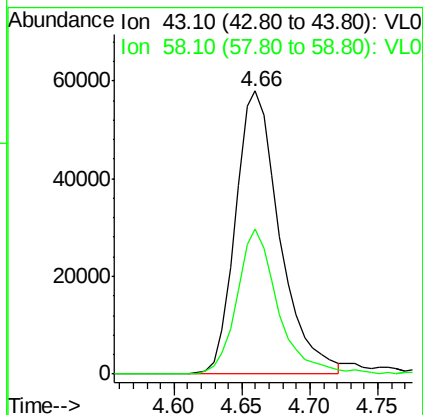
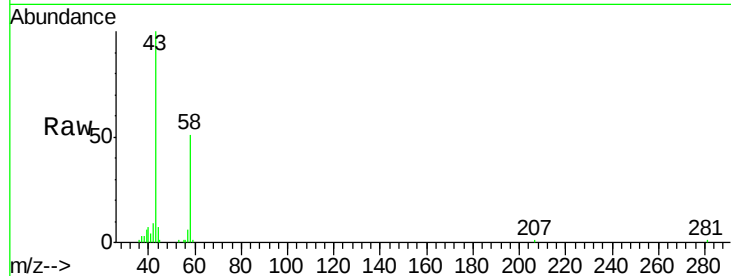
Ion Ratio Lower Upper

43 100

58 47.7 25.2 37.8#

Manual Integrations
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#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 4.00 min Scan# 150

Delta R.T. -0.00 min

Lab File: VL026826.D

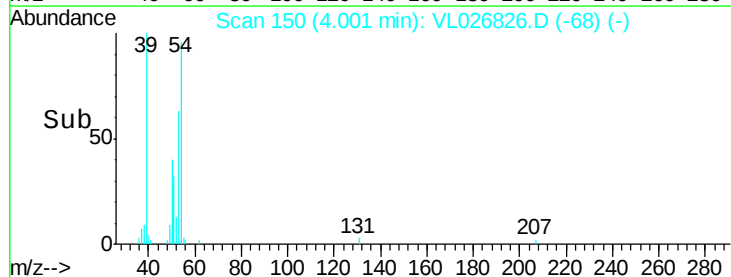
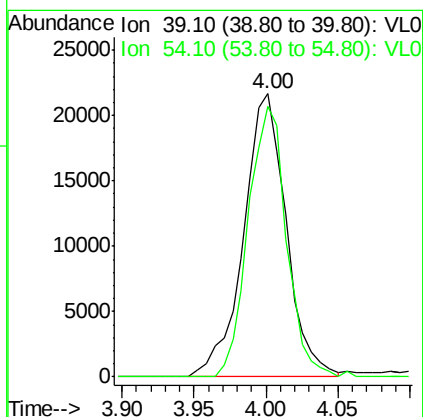
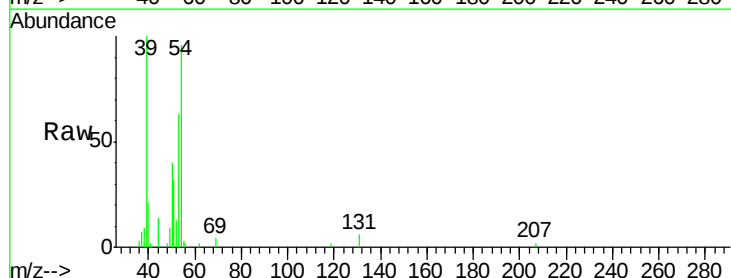
Acq: 9 Feb 2016 18:51

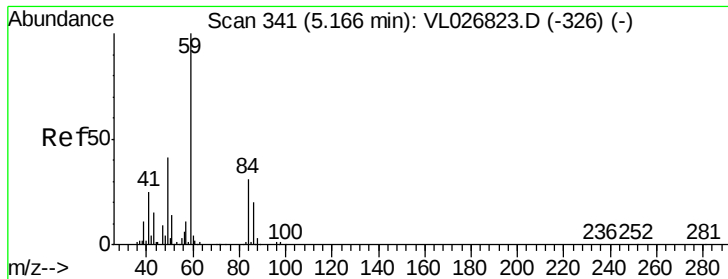
Tgt Ion: 39 Resp: 44453

Ion Ratio Lower Upper

39 100

54 85.4 74.7 112.1





#17

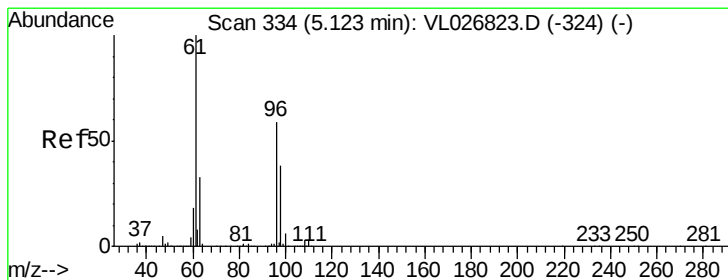
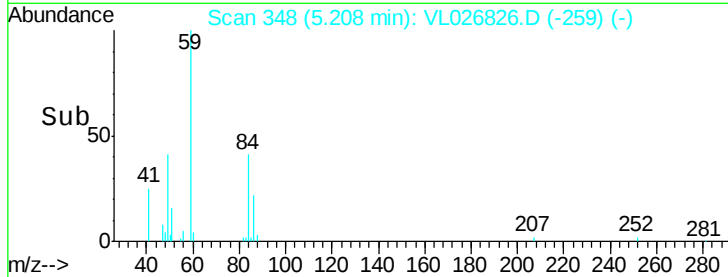
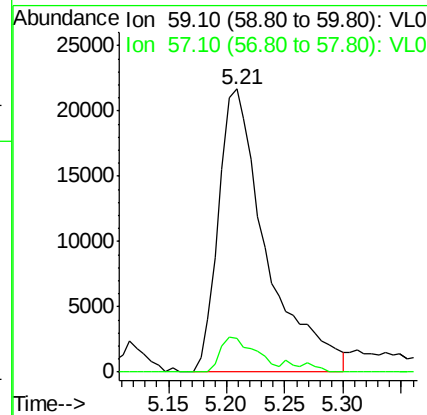
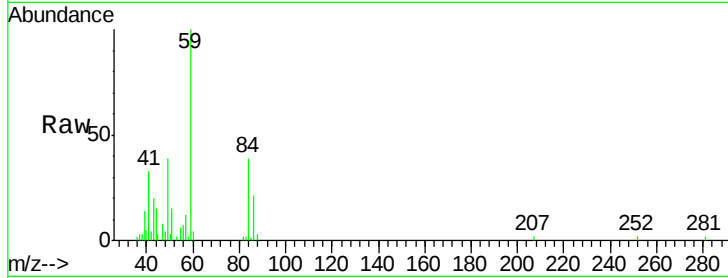
tert-Butyl alcohol
Concen: 0.30 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.04 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	61887
Ion Ratio	100	Lower	Upper
57	11.2	8.5	12.7

Manual Integrations
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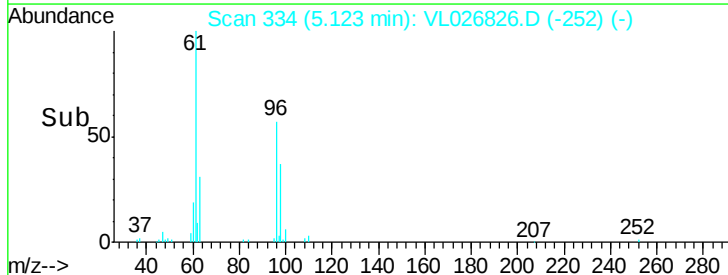
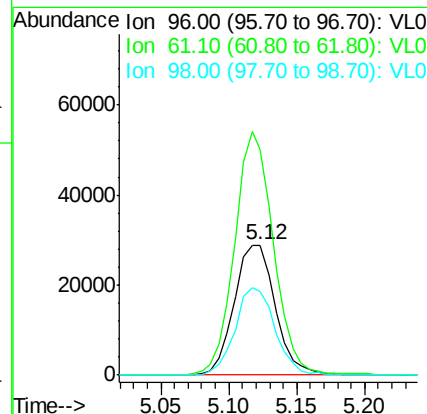
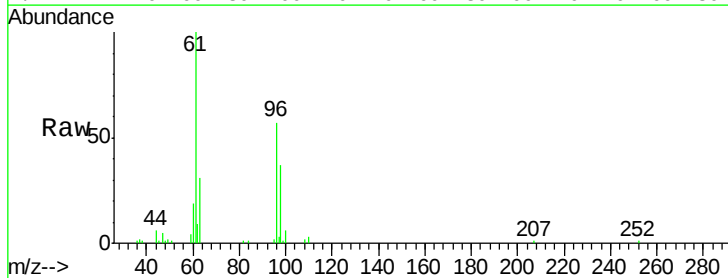
MMDadoda
2/11/2016 1:23:10 PM

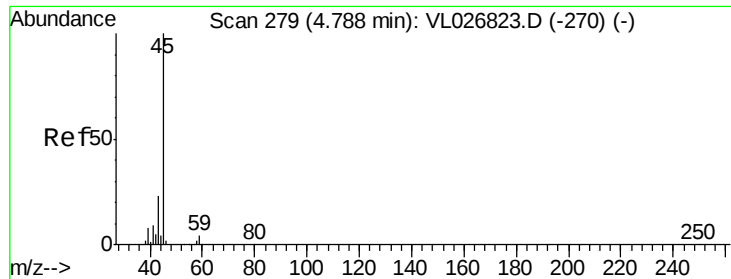


#18

1,1-Dichloroethene
Concen: 0.45 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	96	Resp	61152
Ion Ratio	100	Lower	Upper
61	172.8	136.7	205.1
98	64.4	52.1	78.1





#19

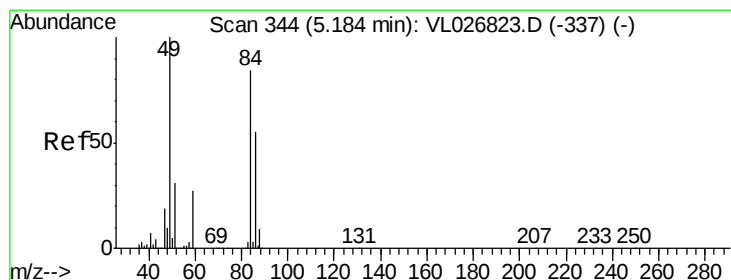
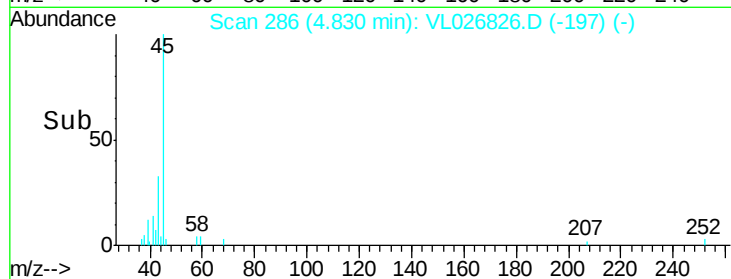
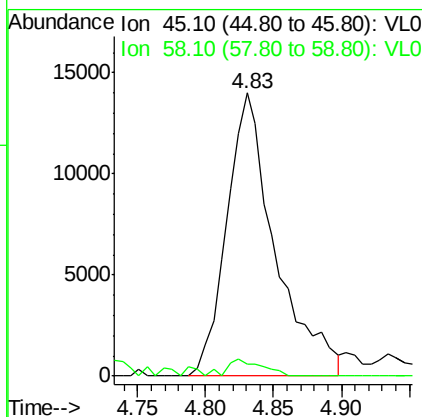
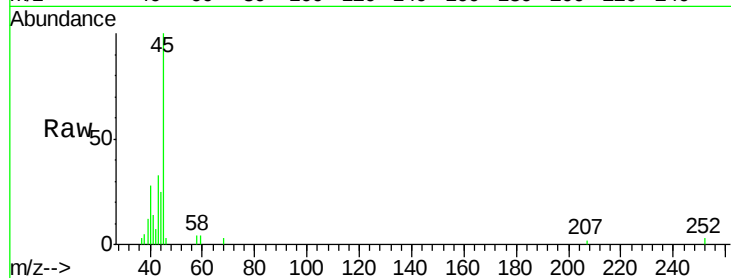
Isopropyl Alcohol
 Concen: 0.34 ppbv
 RT: 4.83 min Scan# 286
 Delta R.T. 0.04 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	45	Resp	34772
Ion Ratio	100	Lower	Upper
45	100		
58	0.0	2.2	3.2#

Manual Integrations
 APPROVED

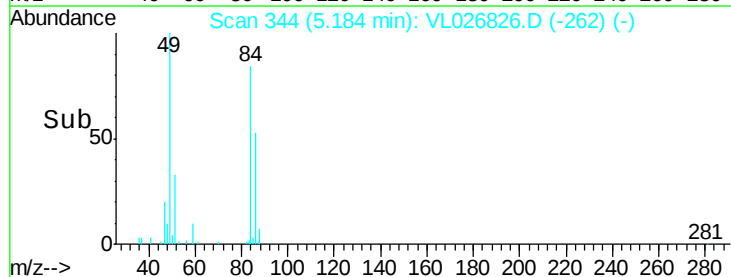
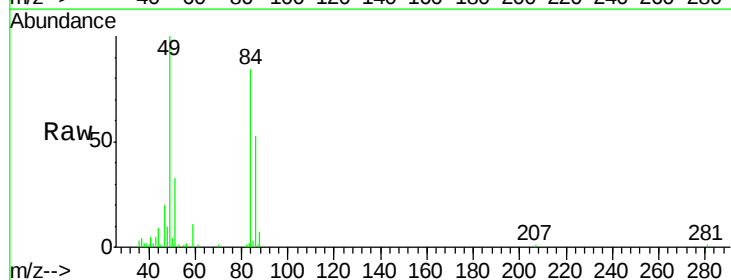
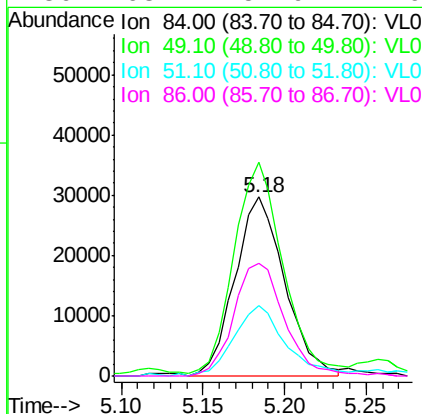
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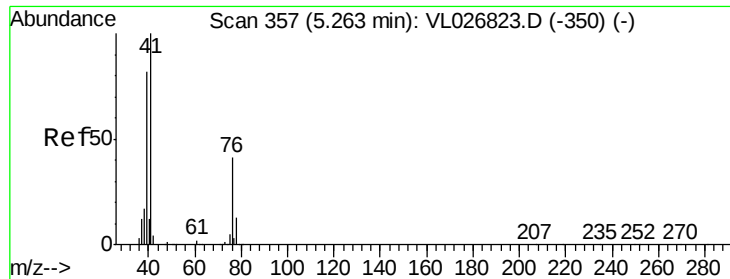


#20

Methylene Chloride
 Concen: 0.51 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	84	Resp	63185
Ion Ratio	100	Lower	Upper
84	100		
49	117.8	94.9	142.3
51	39.1	29.5	44.3
86	63.2	51.9	77.9





#21

Allvl Chloride

Concen: 0.44 ppbv

RT: 5.26 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

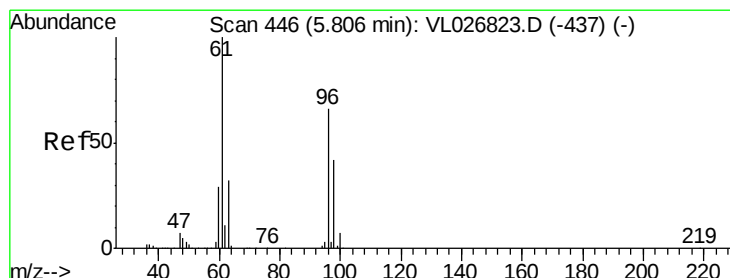
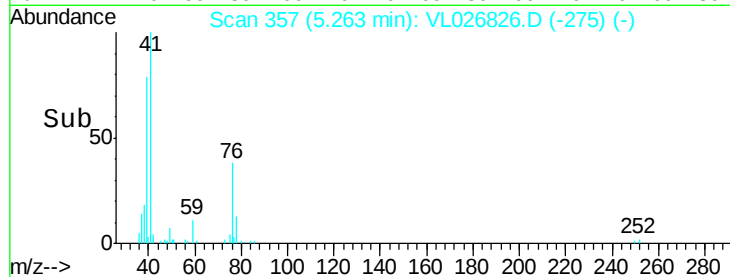
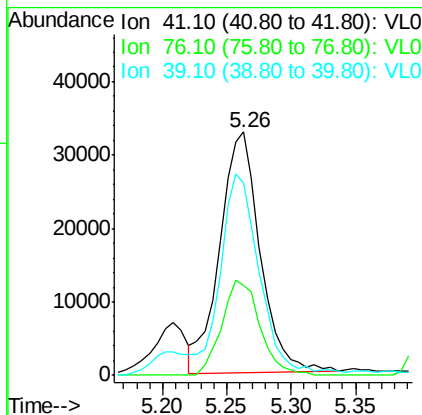
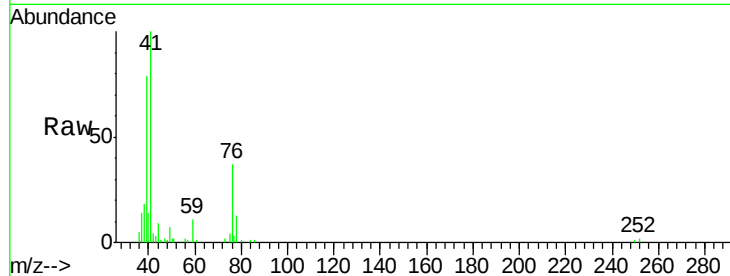
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	71797
Ion	Ratio	Lower	Upper
41	100		
76	37.4	32.0	48.0
39	92.1	64.6	96.8

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 0.42 ppbv

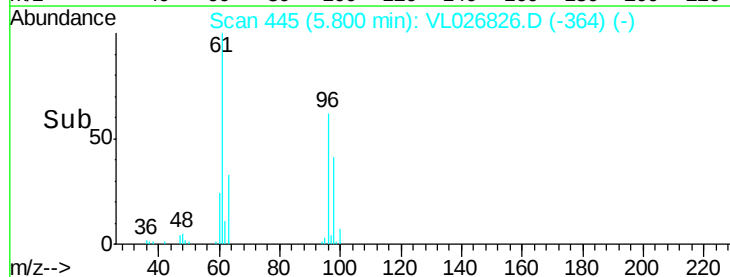
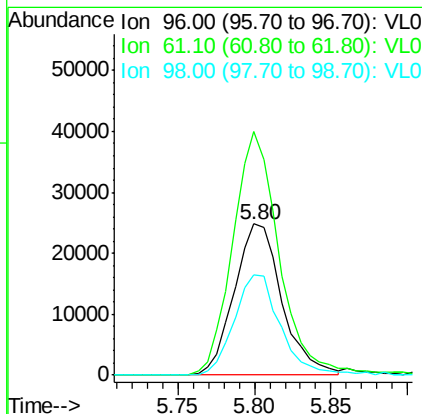
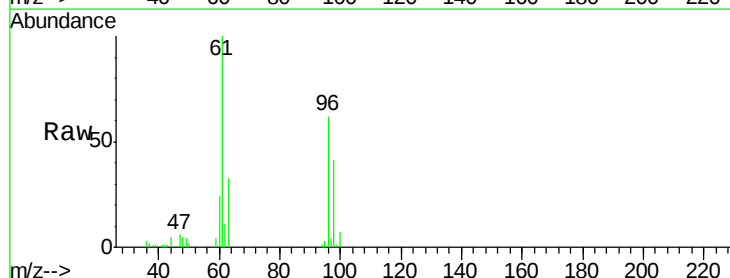
RT: 5.80 min Scan# 445

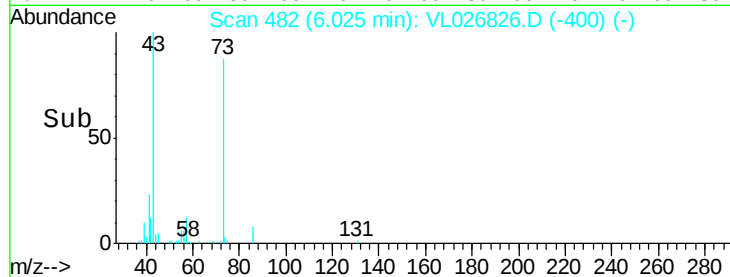
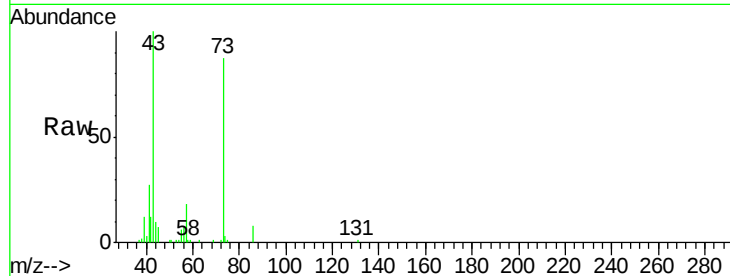
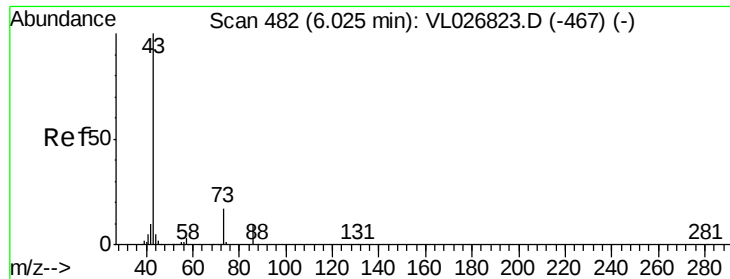
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	96	Resp:	53845
Ion	Ratio	Lower	Upper
96	100		
61	160.9	121.6	182.4
98	66.2	50.6	76.0





#23

Vinyl Acetate

Concen: 0.33 ppbv

RT: 6.03 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tot Ion:	43	Resp:	135783
Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.7	11.5
42	12.4	7.8	11.8#
44	6.7	3.9	5.9#

Instrument :

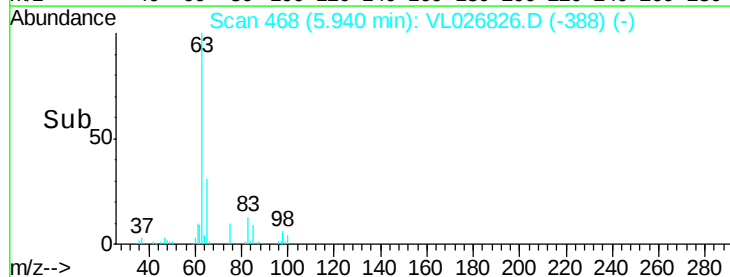
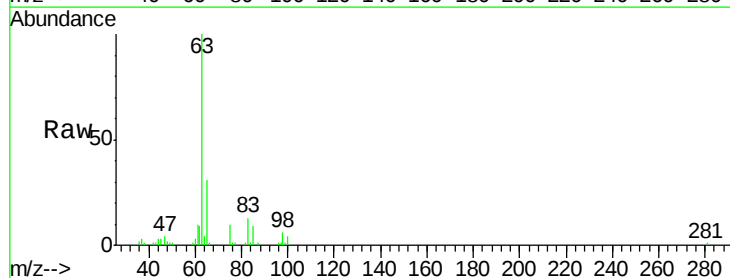
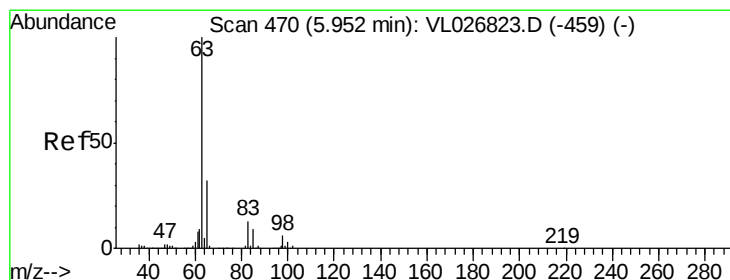
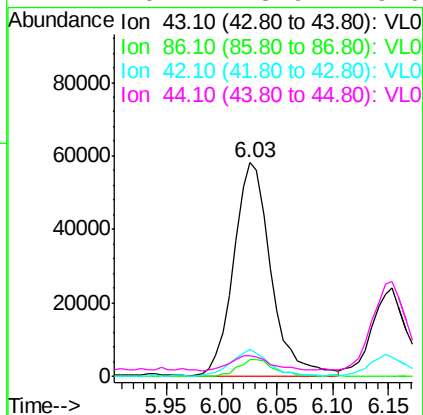
MSVOA_L

ClientSampleId :

VSTDIC0.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.43 ppbv

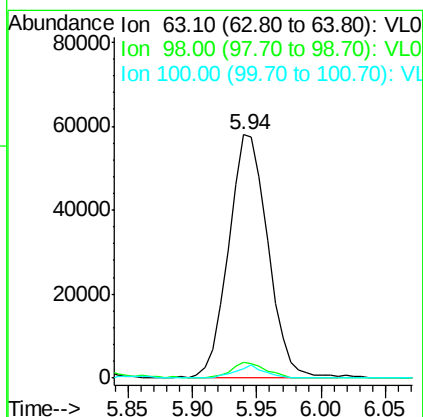
RT: 5.94 min Scan# 468

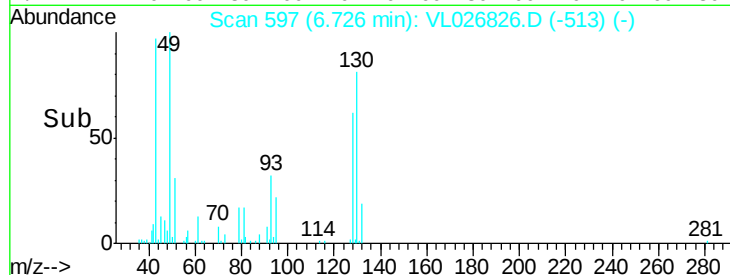
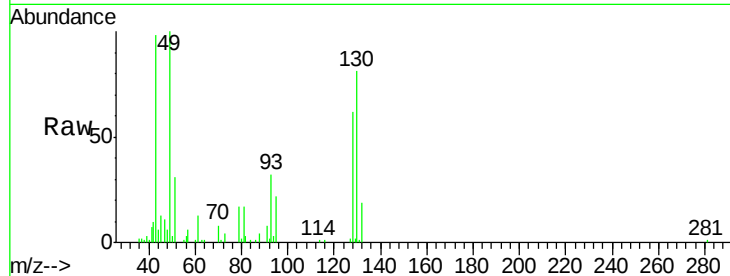
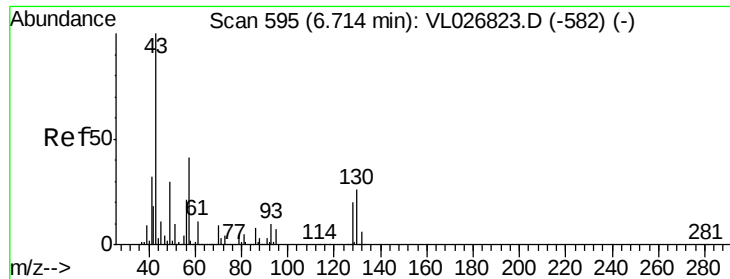
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	63	Resp:	123286
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.7
100	4.0	1.7	5.1





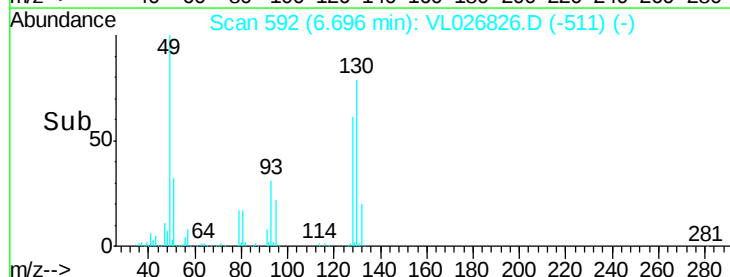
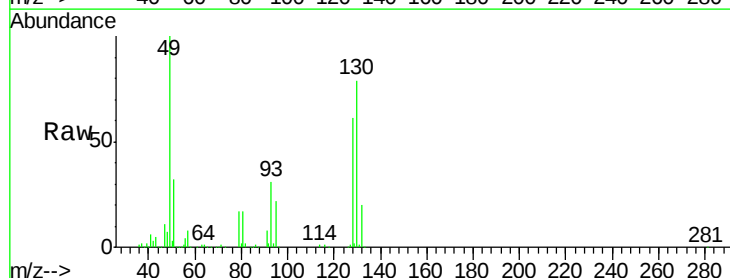
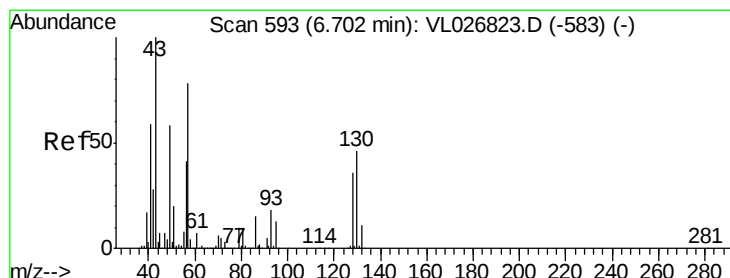
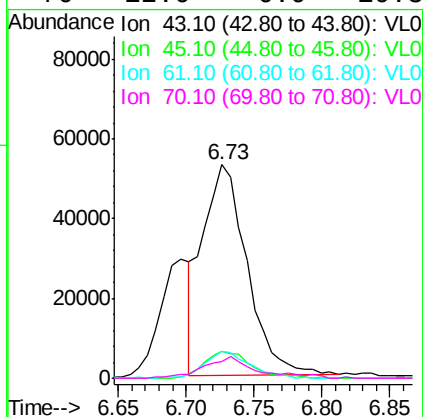
#25
Ethyl Acetate
Concen: 0.32 ppbv
RT: 6.73 min Scan# 597
Delta R.T. 0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	13.6	7.8	11.8#		
61	13.3	7.9	11.9#		
70	12.0	6.9	10.3#		

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

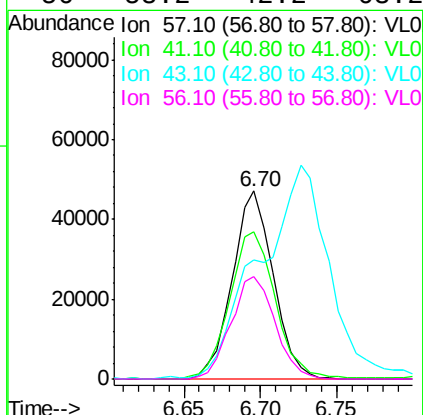
Manual Integrations
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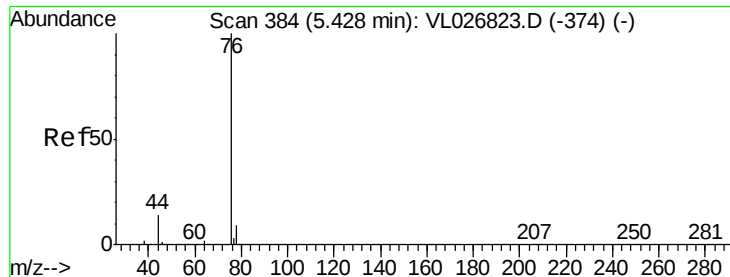
MMDadoda
2/11/2016 1:23:10 PM



#26
Hexane
Concen: 0.47 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	88.8	63.3	94.9		
43	203.2	151.4	227.2		
56	58.2	42.2	63.2		





#27

Carbon Disulfide

Concen: 0.42 ppbv

RT: 5.43 min Scan# 384

Delta R.T. -0.00 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

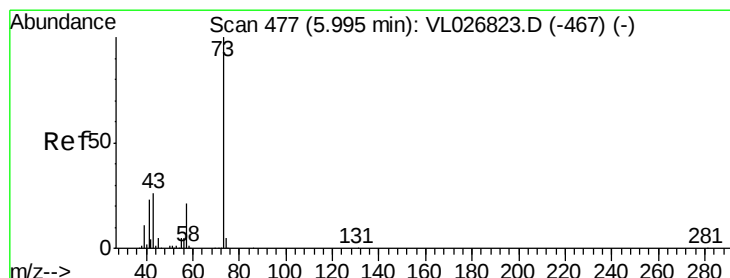
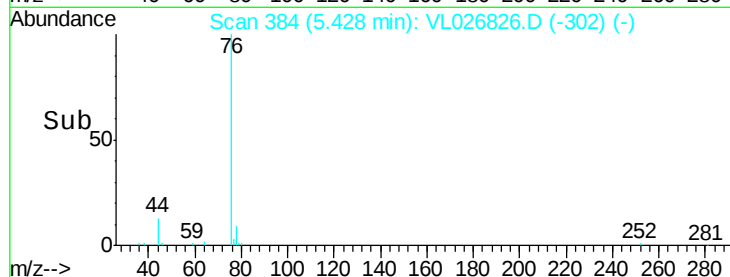
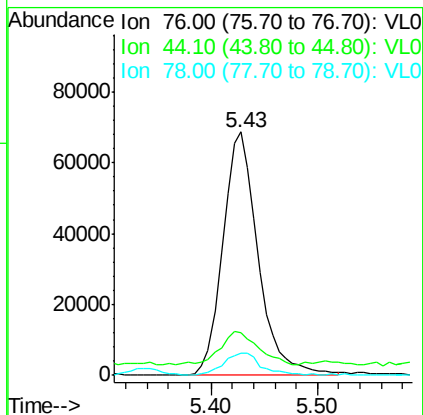
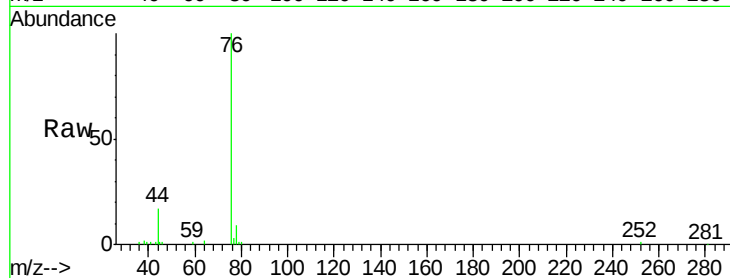
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	158917
Ion Ratio	Lower	Upper	
76	100		
44	22.8	12.1	18.1#
78	9.8	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 0.31 ppbv

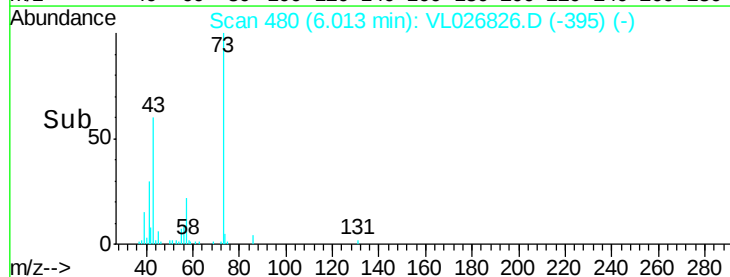
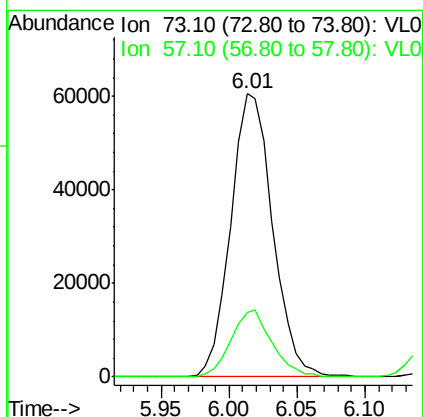
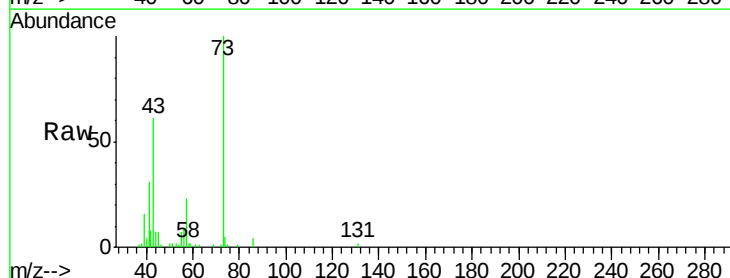
RT: 6.01 min Scan# 480

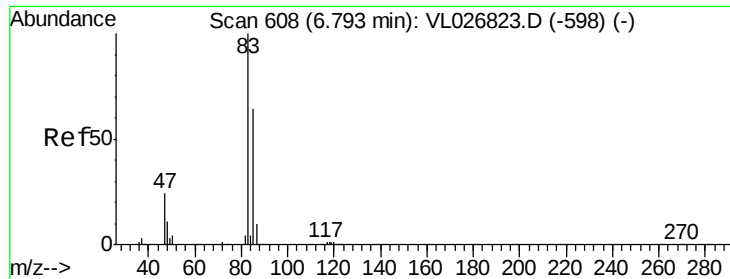
Delta R.T. 0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	73	Resp:	130284
Ion Ratio	Lower	Upper	
73	100		
57	22.8	17.0	25.6





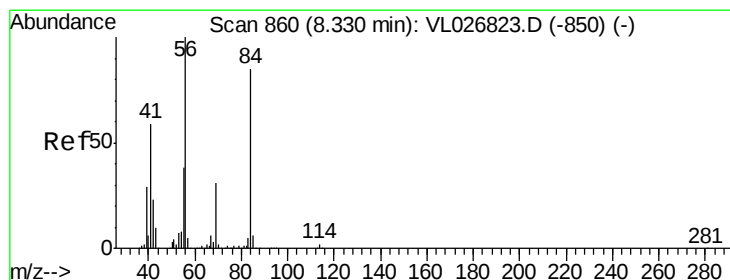
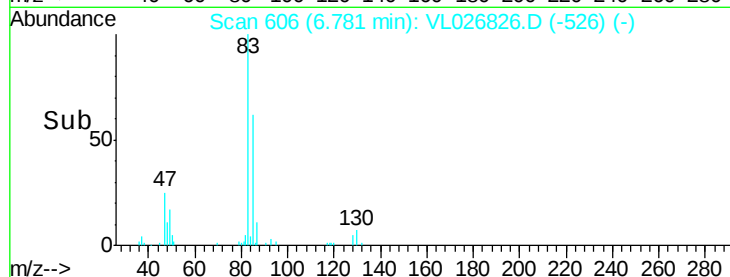
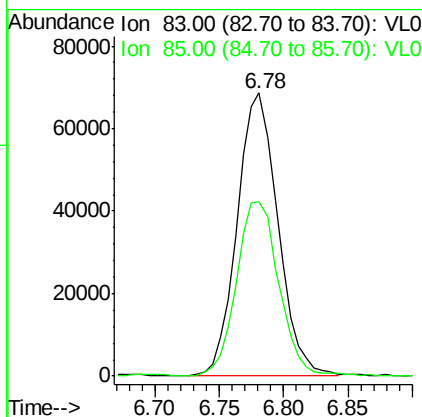
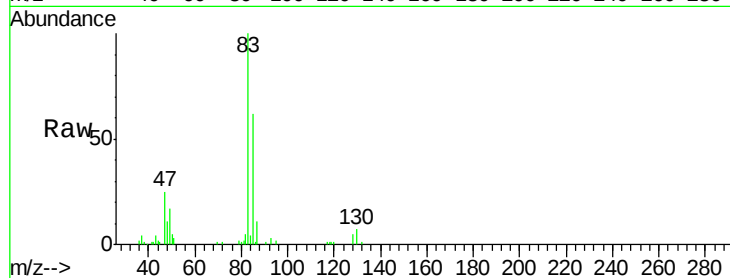
#29
Chloroform
Concen: 0.36 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.5	77.3

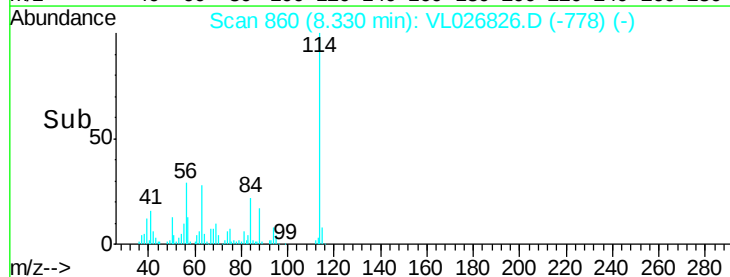
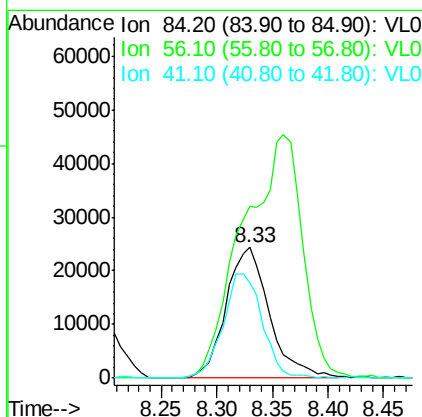
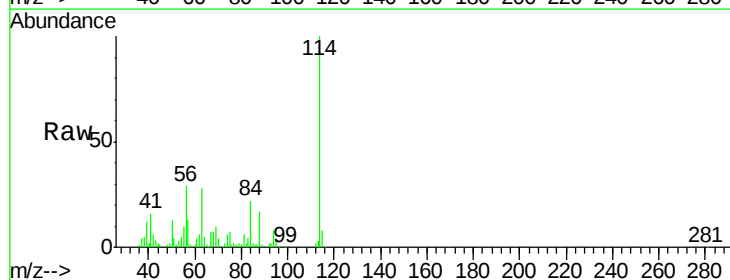
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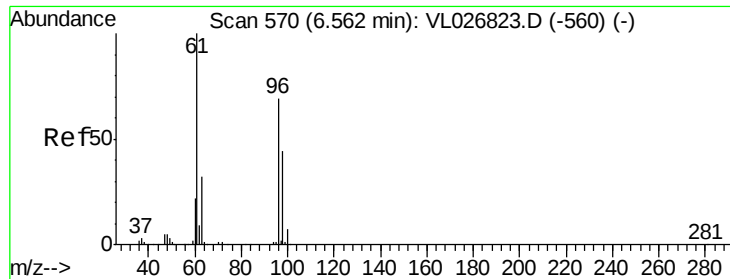
MMDadoda
2/11/2016 1:23:10 PM



#30
Cyclohexane
Concen: 0.34 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
84	100		
56	255.4	99.4	149.2#
41	72.1	56.7	85.1





#31

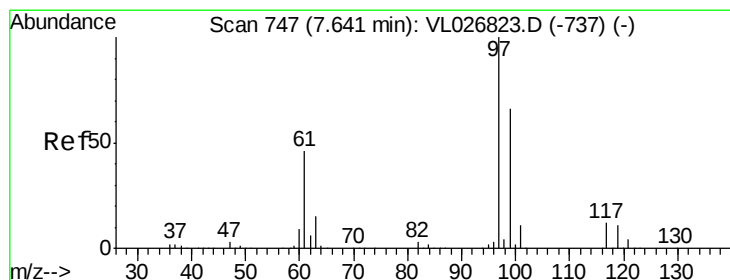
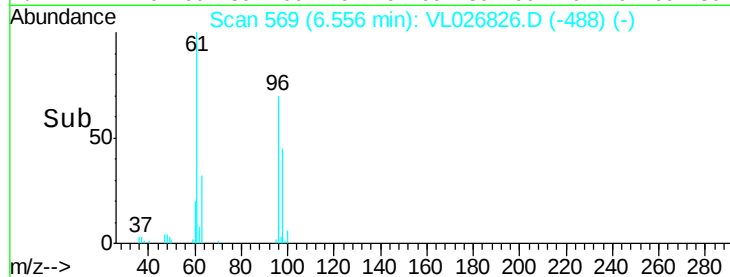
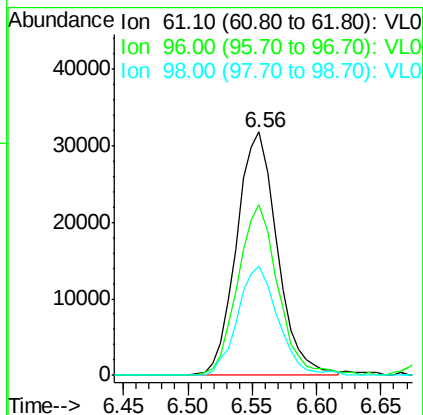
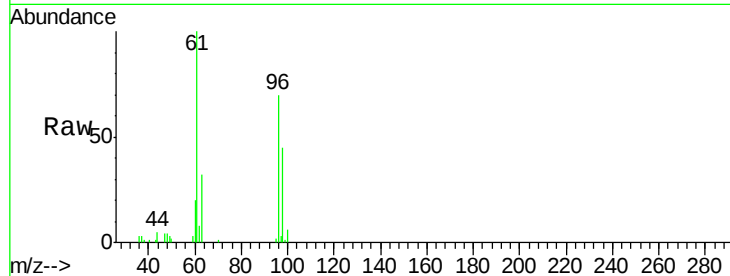
cis-1,2-Dichloroethene
 Concen: 0.34 ppbv
 RT: 6.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	61	Resp:	69820
Ion	Ratio	Lower	Upper
61	100		
96	70.0	55.2	82.8
98	44.6	35.2	52.8

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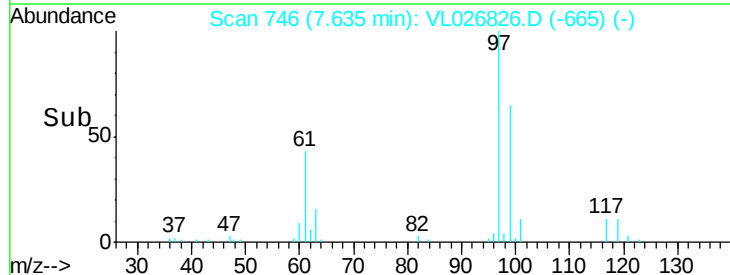
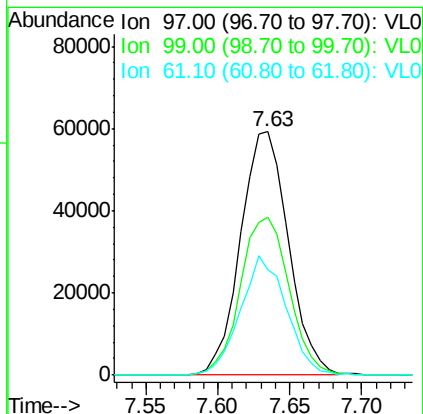
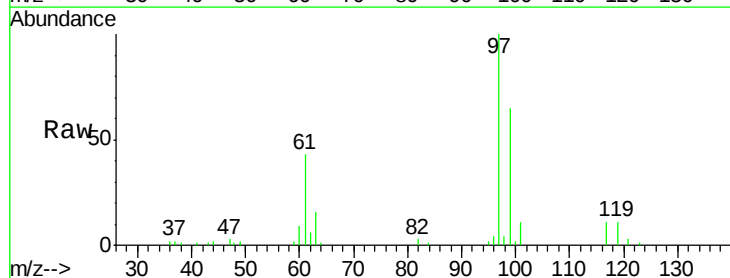
MMDadoda
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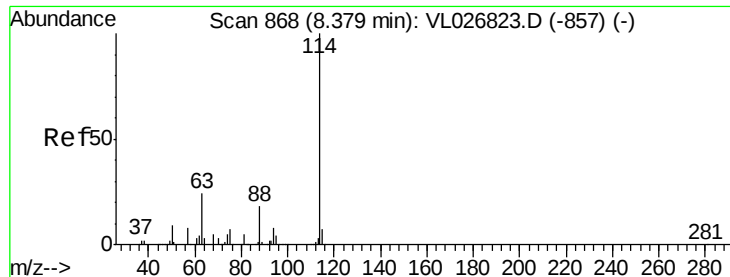


#32

1,1,1-Trichloroethane
 Concen: 0.29 ppbv
 RT: 7.63 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion:	97	Resp:	136834
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.0	78.0
61	47.1	36.2	54.4





#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.36 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

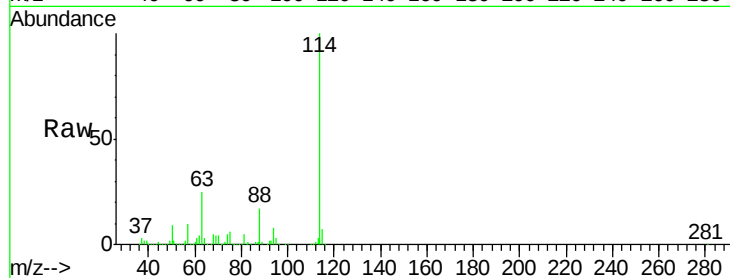
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 4390847

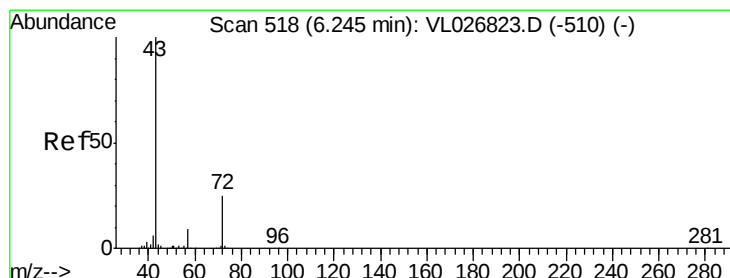
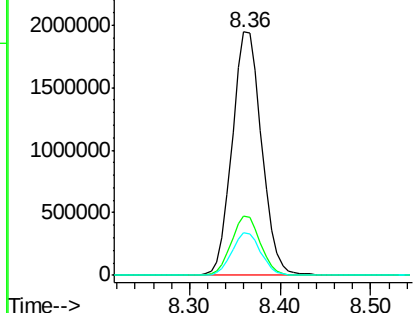
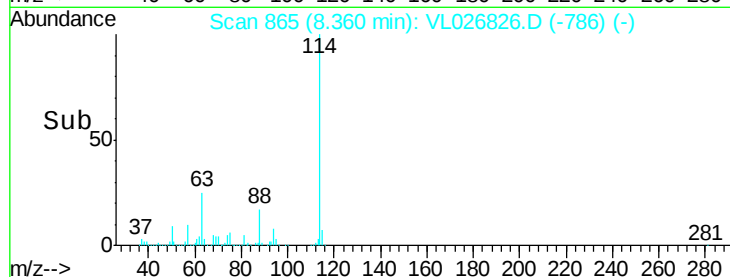
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.7	29.5
88	17.1	13.8	20.6

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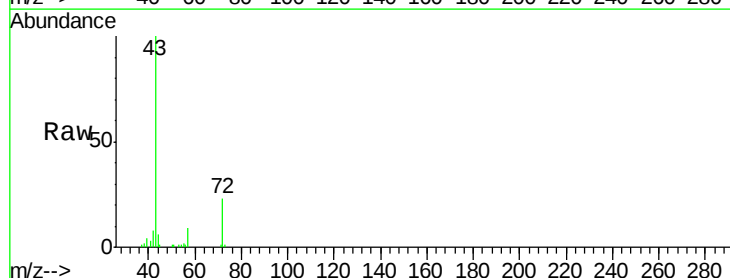
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



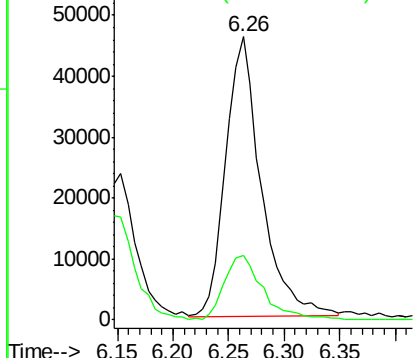
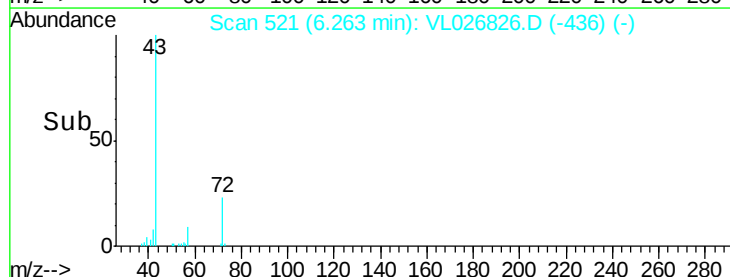
#34
 2-Butanone
 Concen: 0.50 ppbv
 RT: 6.26 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

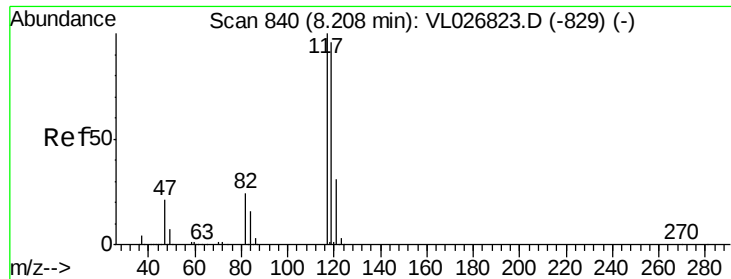
Tgt Ion: 43 Resp: 102365

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.8	29.8



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





#35

Carbon Tetrachloride

Concen: 0.34 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

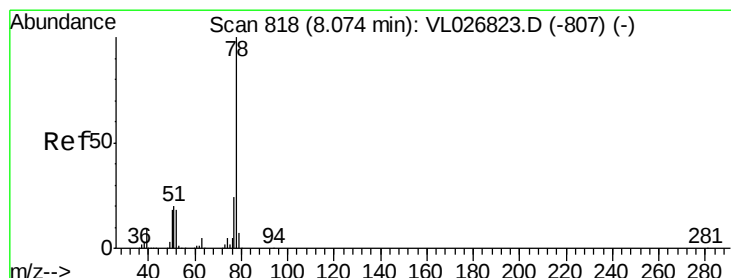
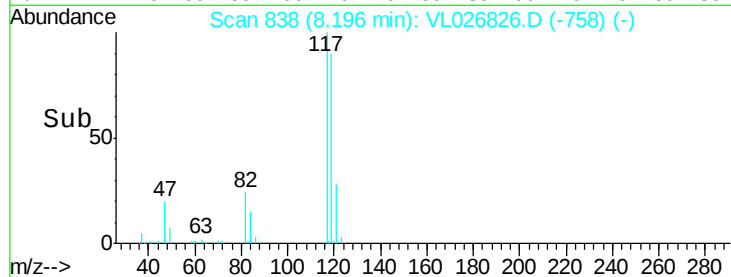
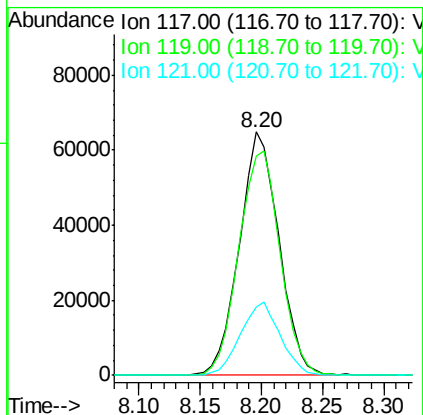
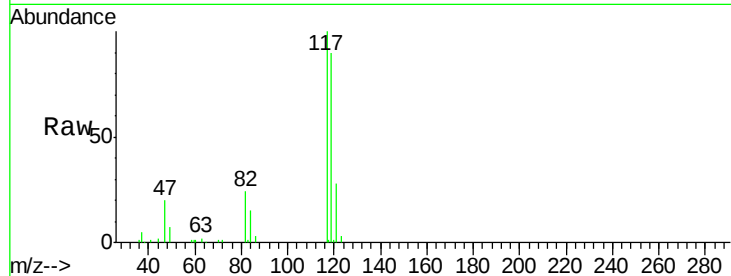
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	146154
Ion Ratio	Lower	Upper	
117	100		
119	89.9	76.6	115.0
121	28.2	25.0	37.4

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#36

Benzene

Concen: 0.42 ppbv

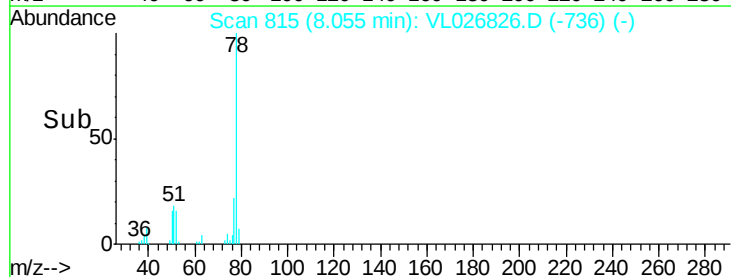
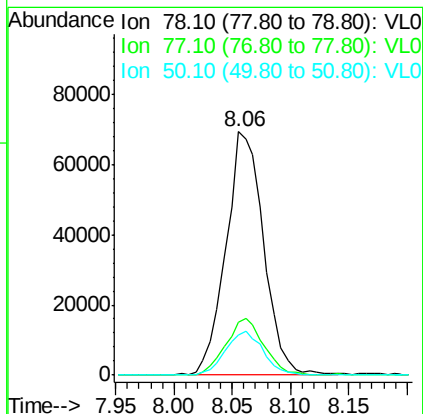
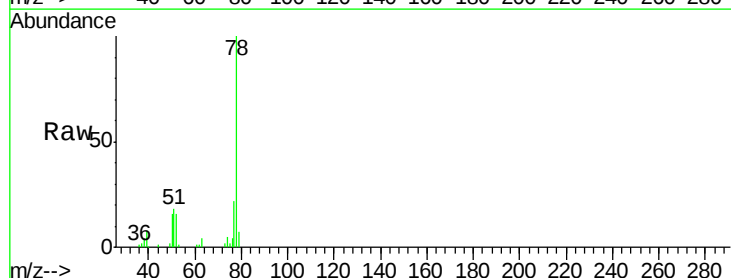
RT: 8.06 min Scan# 815

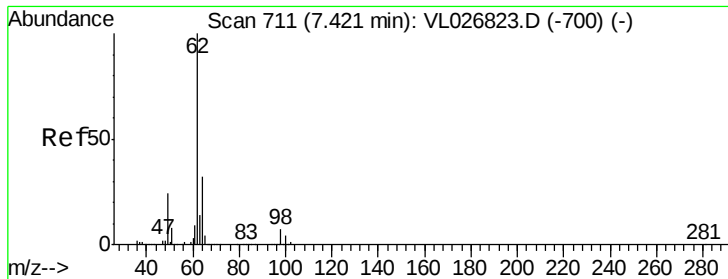
Delta R.T. -0.02 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	78	Resp:	156239
Ion Ratio	Lower	Upper	
78	100		
77	22.0	19.0	28.6
50	16.4	14.2	21.4





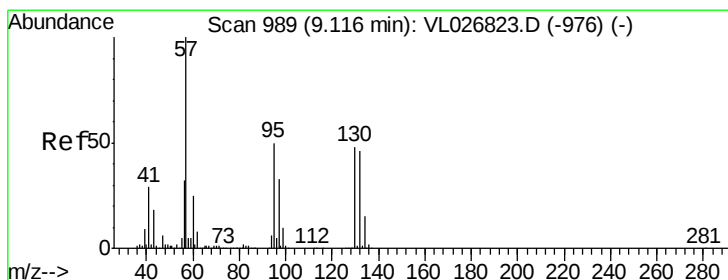
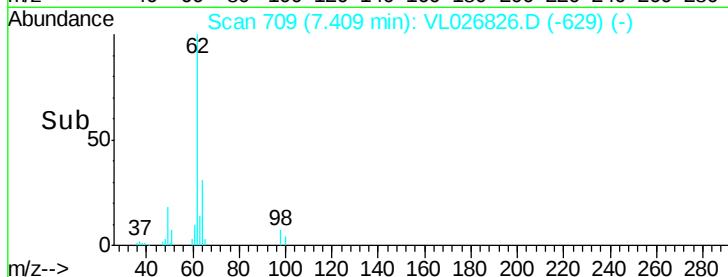
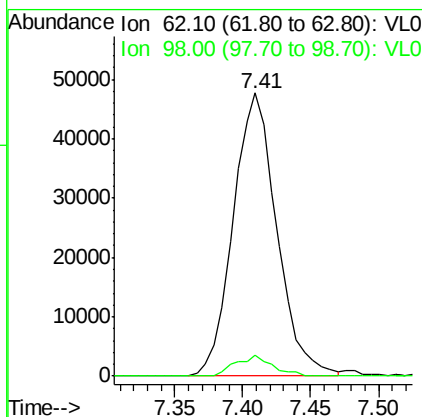
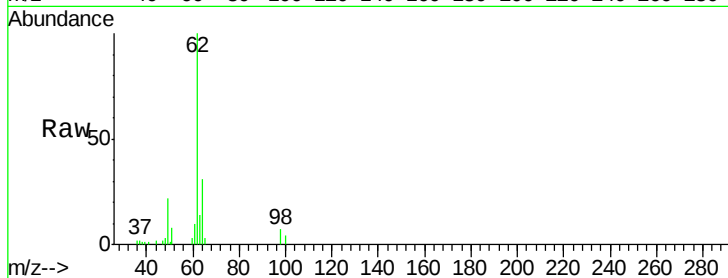
#37
 1,2-Dichloroethane
 Concen: 0.34 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	106763		
98	6.2		5.4	8.2

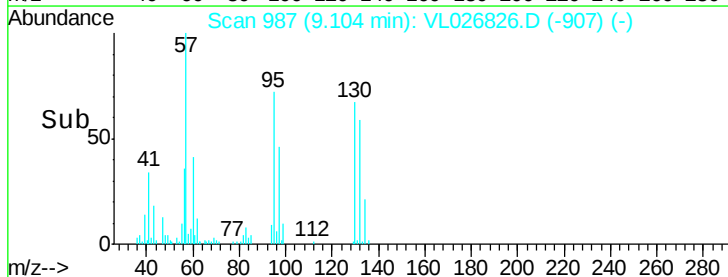
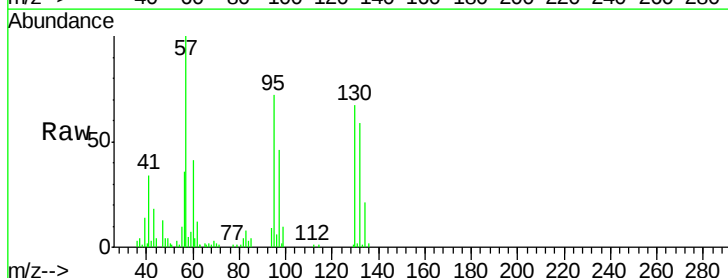
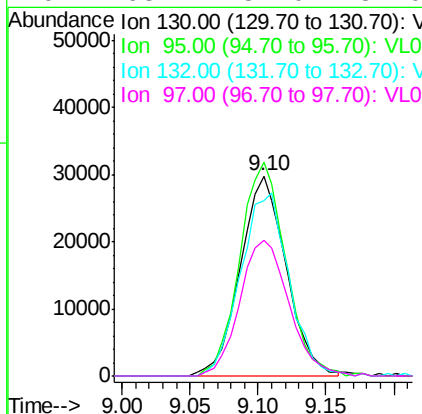
Manual Integrations
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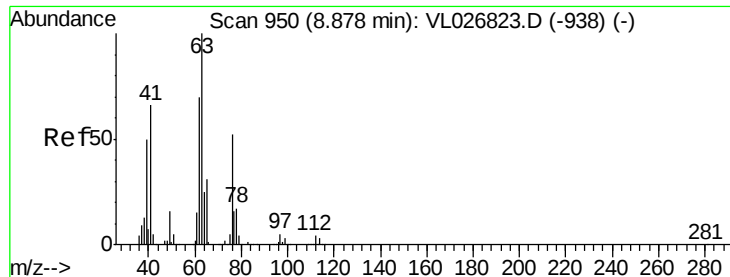
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#38
 Trichloroethene
 Concen: 0.40 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	70141		
95	107.0		83.0	124.6
132	88.1		76.0	114.0
97	68.1		54.0	81.0





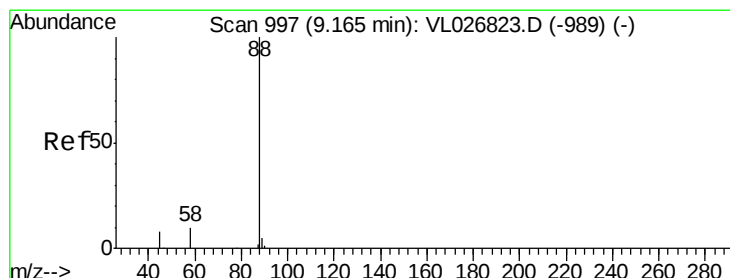
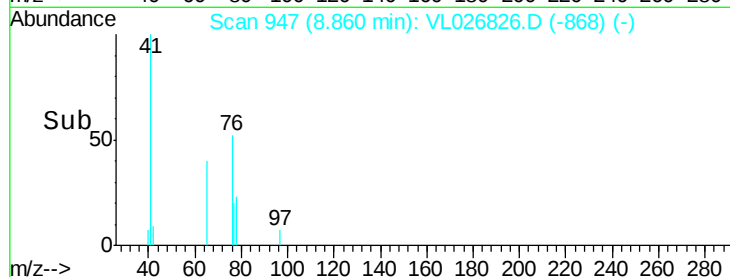
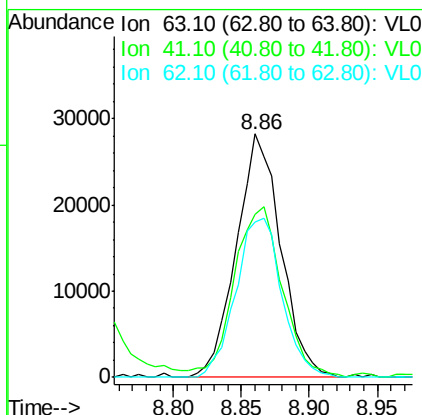
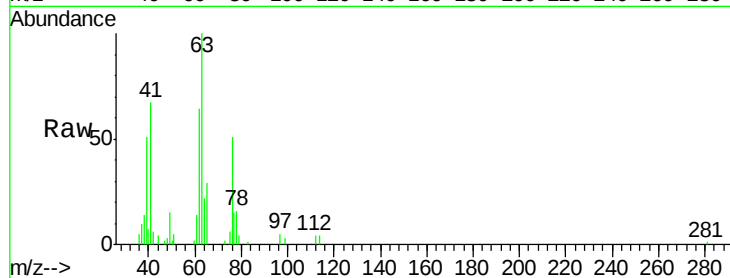
#39
 1,2-Dichloropropane
 Concen: 0.52 ppbv
 RT: 8.86 min Scan# 947
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.4	53.2	79.8
62	63.6	56.0	84.0

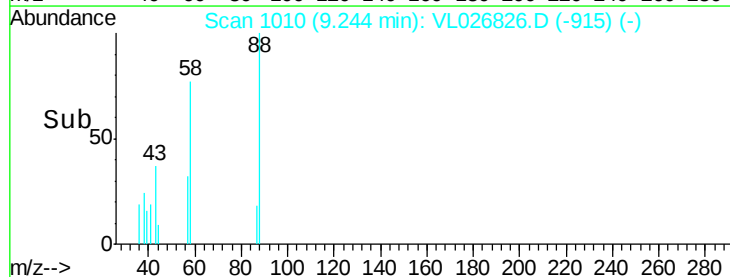
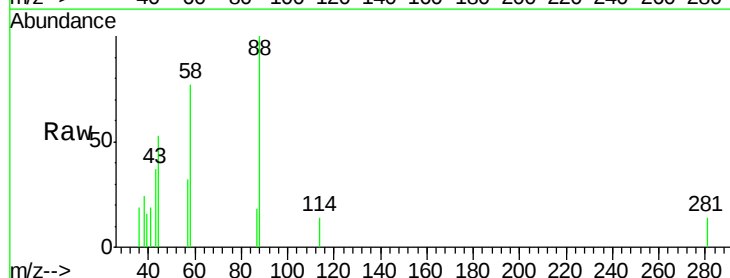
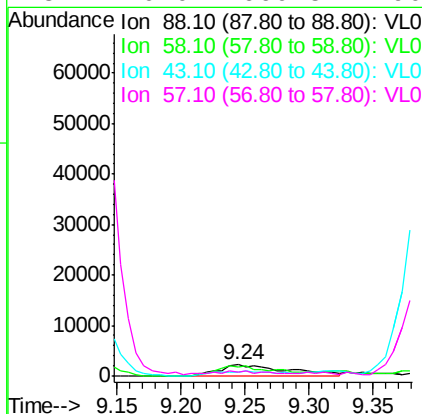
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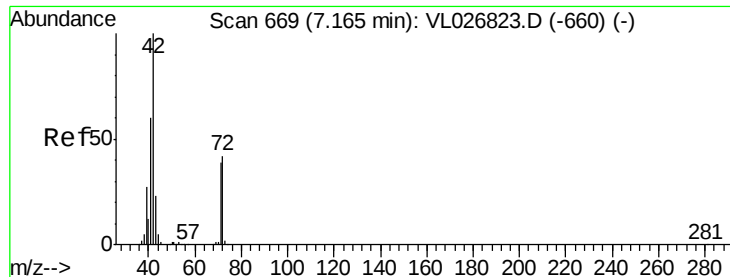
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#40
 1,4-Dioxane
 Concen: 0.27 ppbv m
 RT: 9.24 min Scan# 1010
 Delta R.T. 0.08 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	102.7	135.6	203.4#
43	0.0	332.3	498.5#
57	0.0	1660.5	2490.7#





#41

Tetrahydrofuran

Concen: 0.44 ppbv

RT: 7.21 min Scan# 676

Delta R.T. 0.04 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

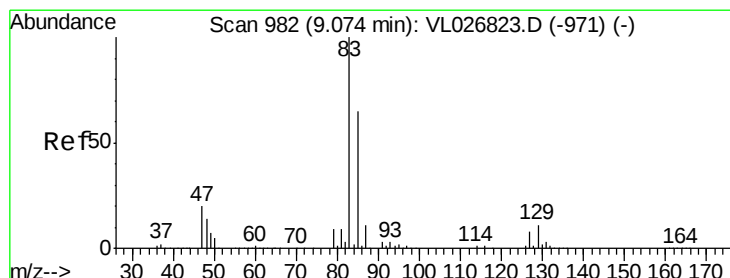
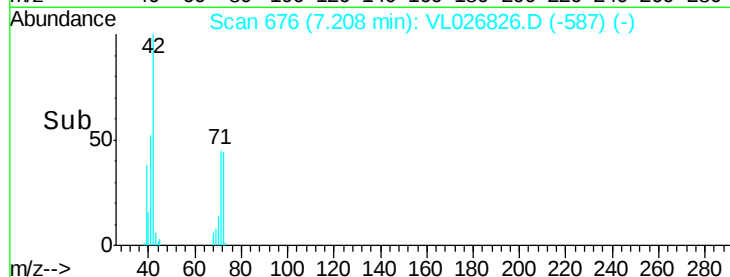
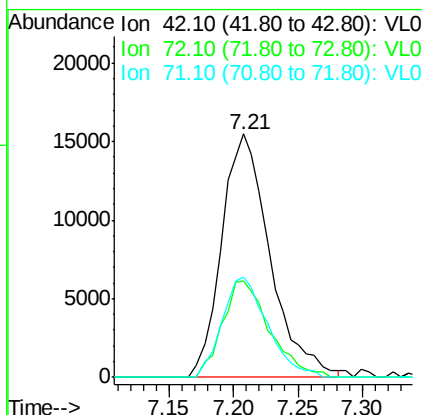
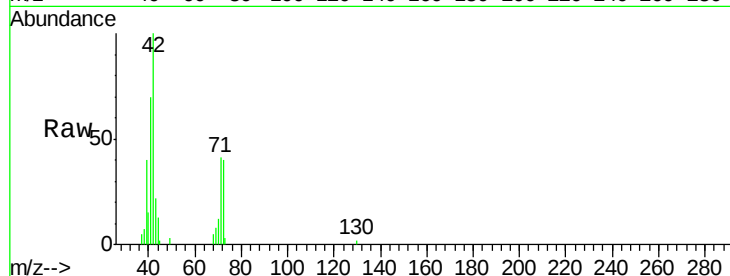
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	40420
Ion	Ratio	Lower	Upper
42	100		
72	38.8	33.4	50.0
71	38.8	32.1	48.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.33 ppbv

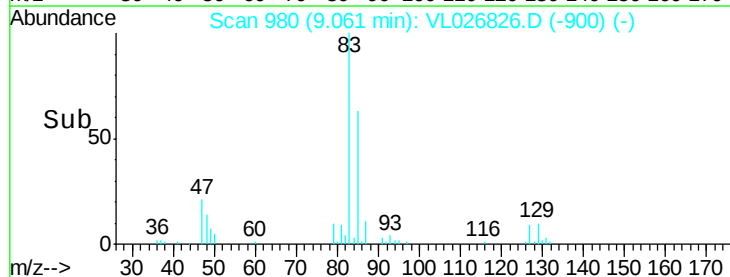
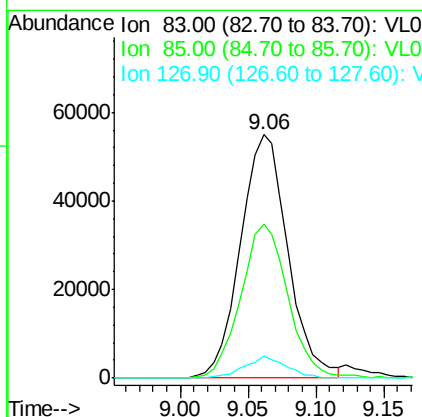
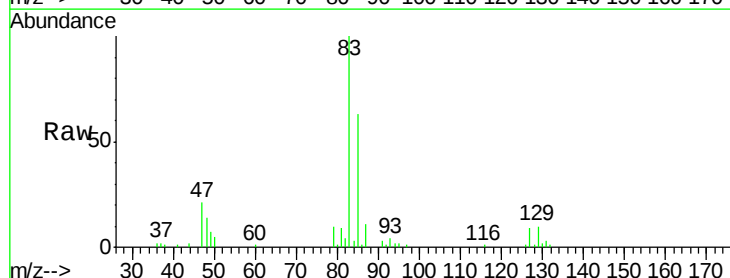
RT: 9.06 min Scan# 980

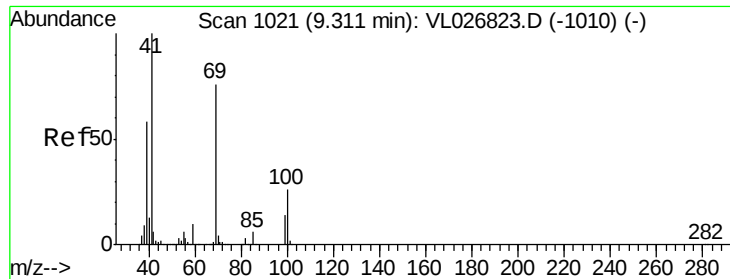
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	83	Resp:	133760
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6
127	8.9	6.4	9.6





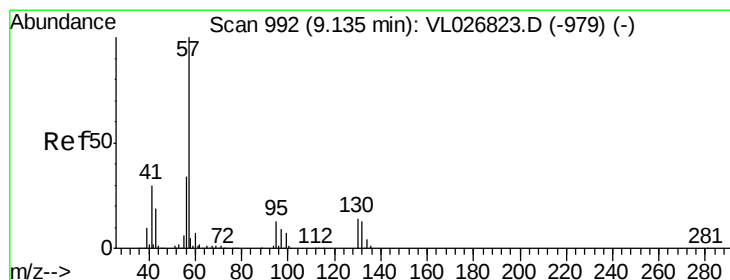
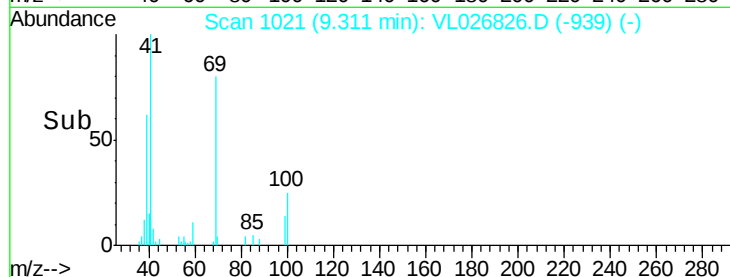
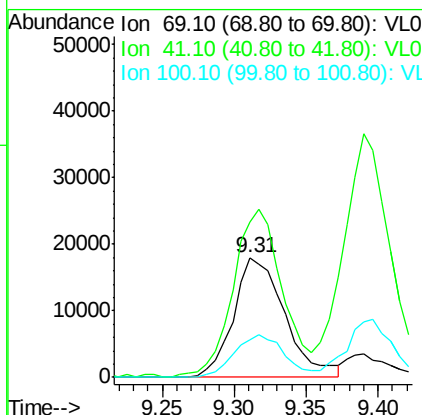
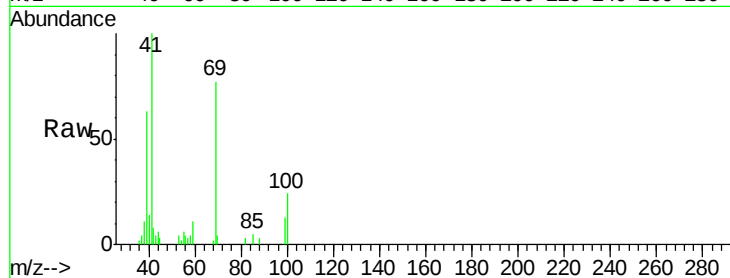
#43
Methvl Methacrilate
Concen: 0.31 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.1	106.5	159.7
100	35.4	27.2	40.8

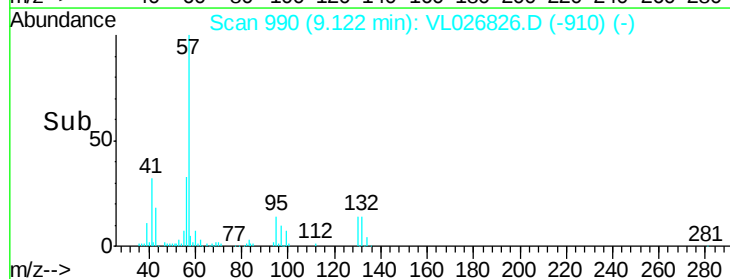
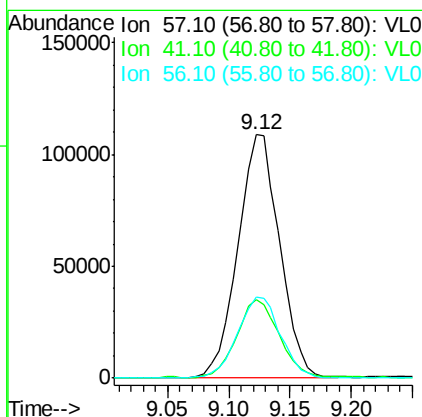
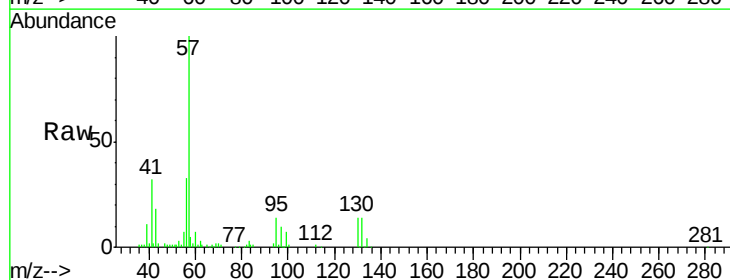
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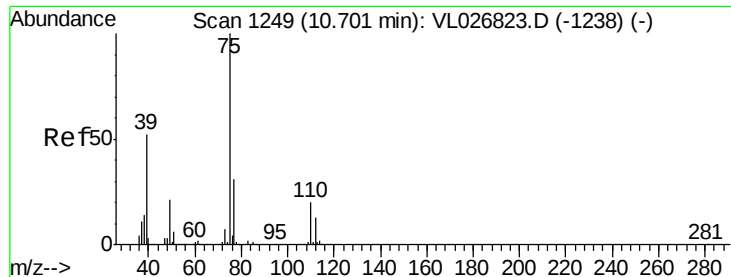
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.44 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.7	23.2	34.8
56	34.6	26.2	39.4





#45

t-1,3-Dichloropropene

Concen: 0.22 ppbv

RT: 10.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 55069

Ion Ratio Lower Upper

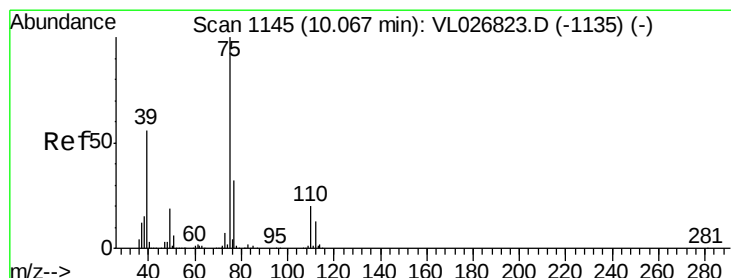
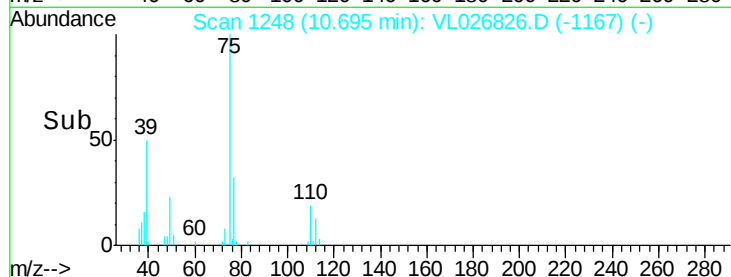
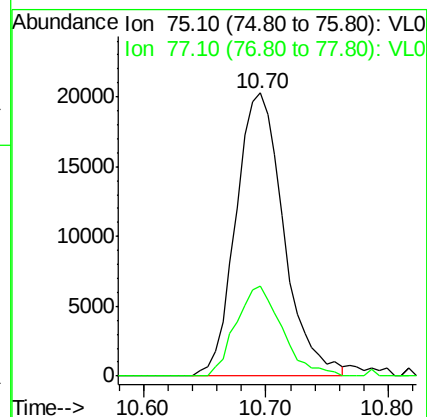
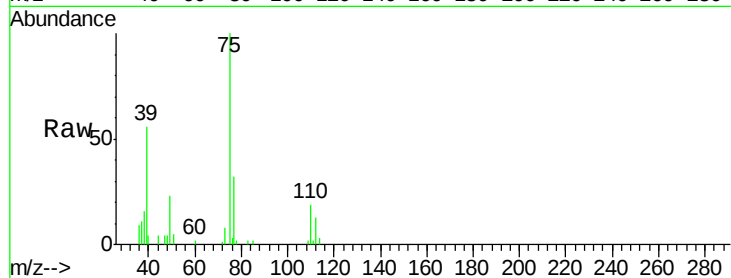
75 100

77 31.9 25.0 37.6

Manual Integrations
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MMDadoda

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#46

cis-1,3-Dichloropropene

Concen: 0.27 ppbv

RT: 10.06 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

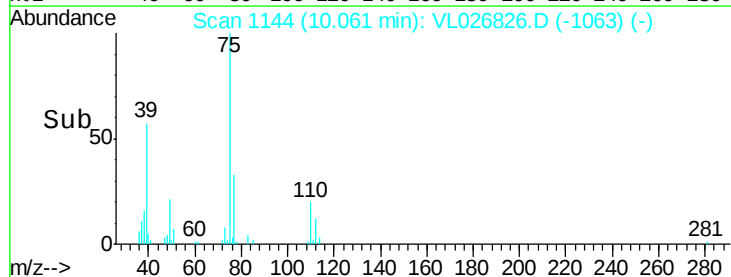
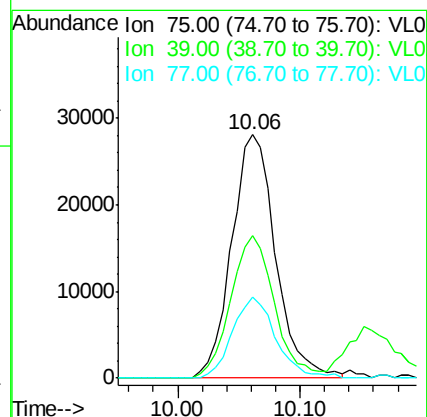
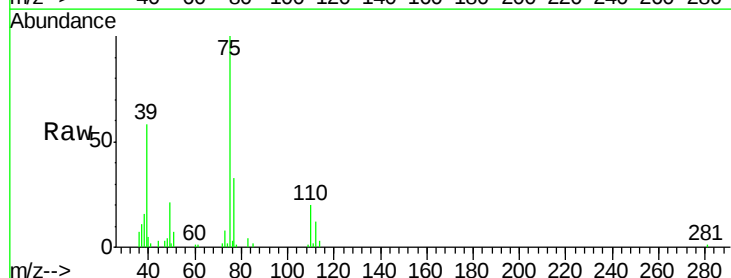
Tgt Ion: 75 Resp: 69932

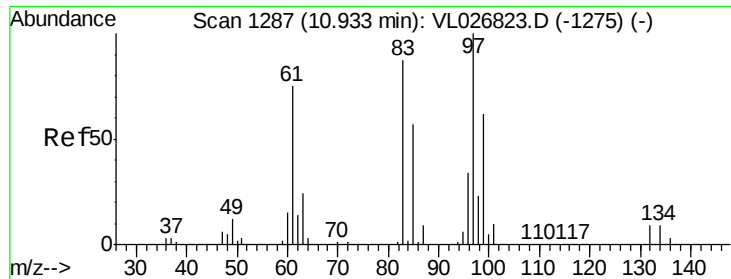
Ion Ratio Lower Upper

75 100

39 58.4 45.0 67.6

77 33.5 25.2 37.8





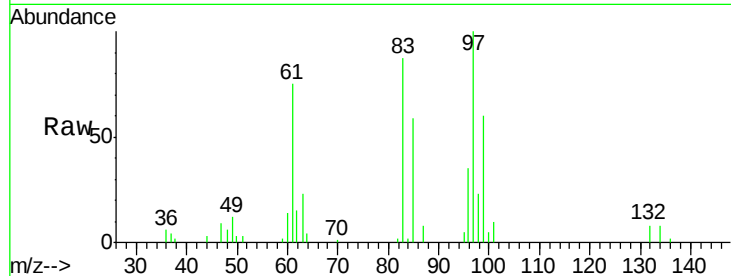
#47
 1,1,2-Trichloroethane
 Concen: 0.34 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		66935		
83	86.5	69.7	104.5		
85	58.6	45.3	67.9		
99	60.5	49.9	74.9		

Manual Integrations
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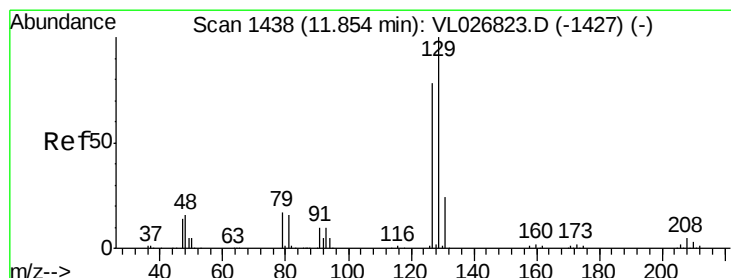
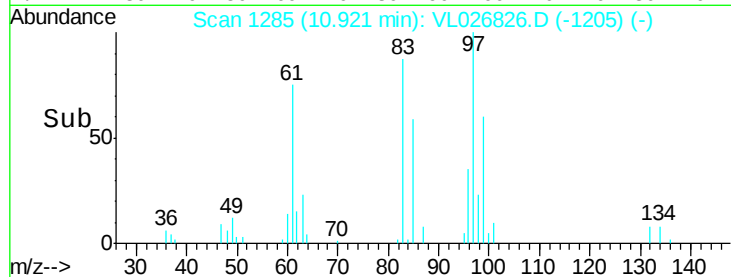
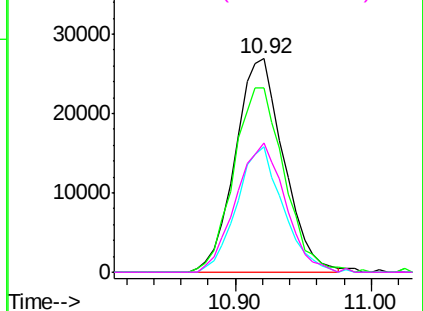
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

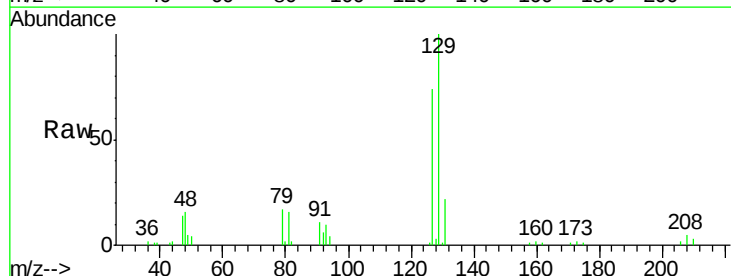
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 0.26 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

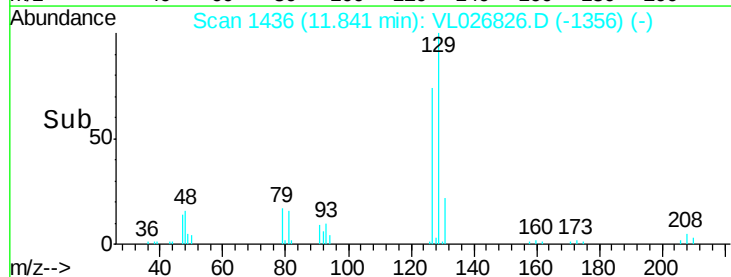
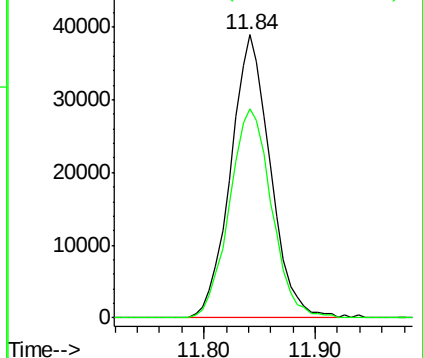
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		96053		
127	78.5	39.6	119.0		

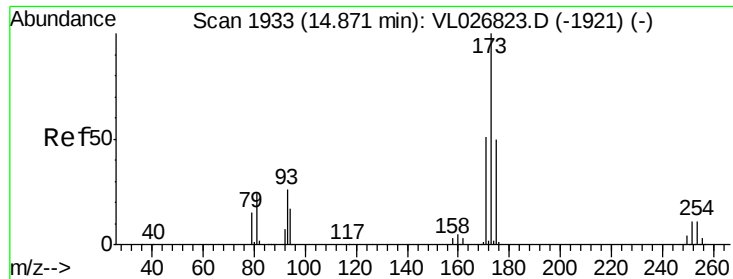


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





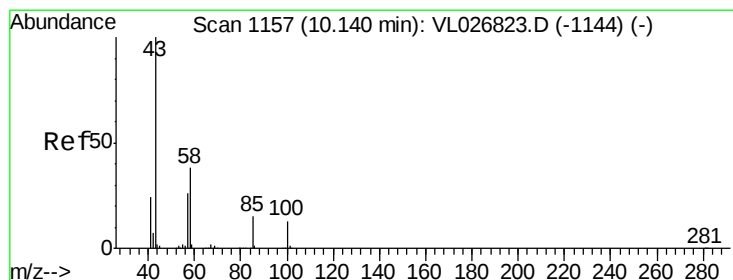
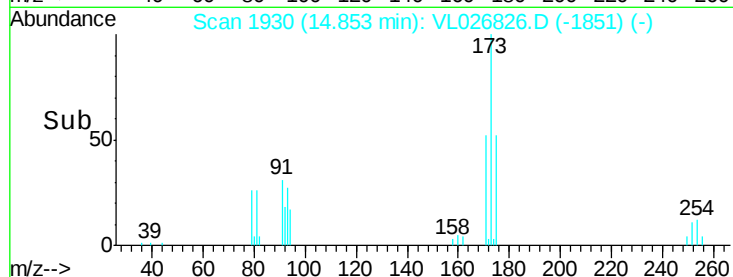
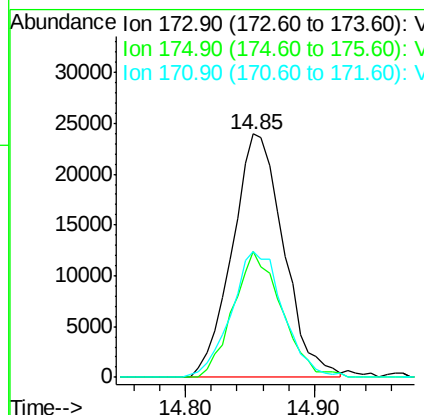
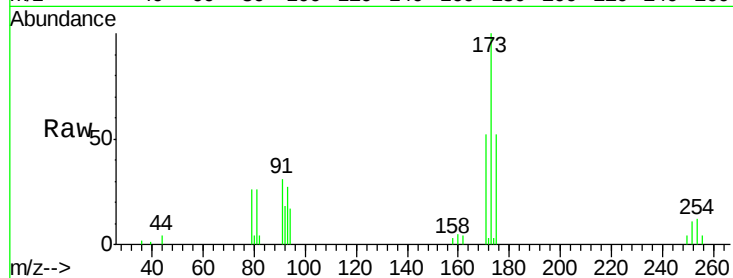
#49
Bromoform
Concen: 0.21 ppbv
RT: 14.85 min Scan# 1930
Delta R.T. -0.02 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.2	58.8
171	52.2	41.4	62.0

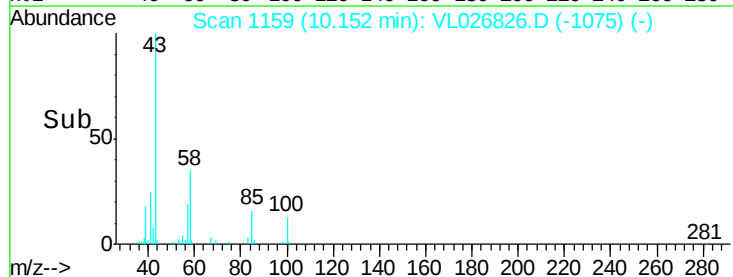
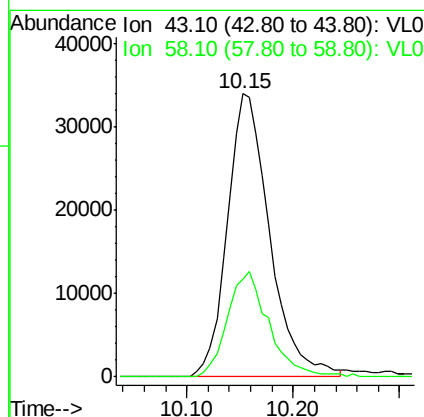
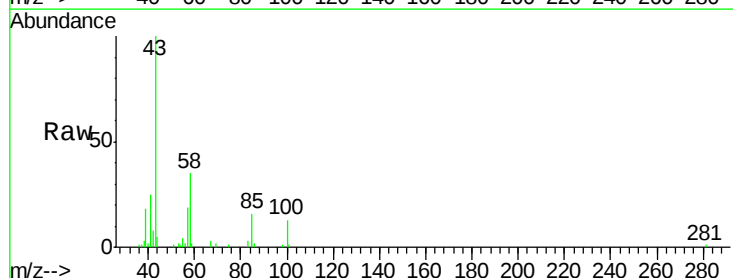
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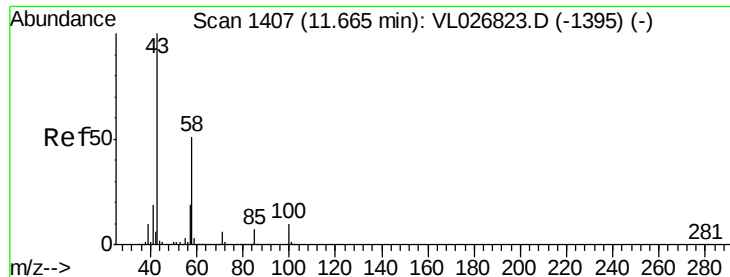
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#50
4-Methyl-2-Pentanone
Concen: 0.33 ppbv
RT: 10.15 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.3	45.5





#51

2-Hexanone

Concen: 0.24 ppbv

RT: 11.70 min Scan# 1413

Delta R.T. 0.04 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

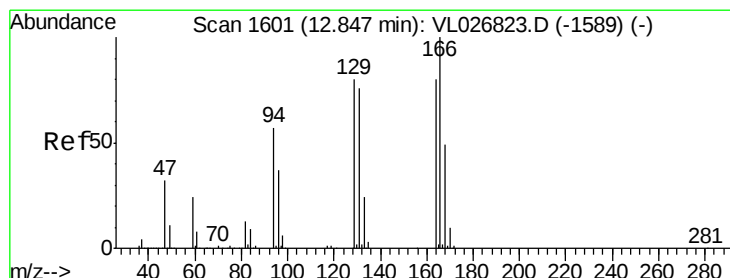
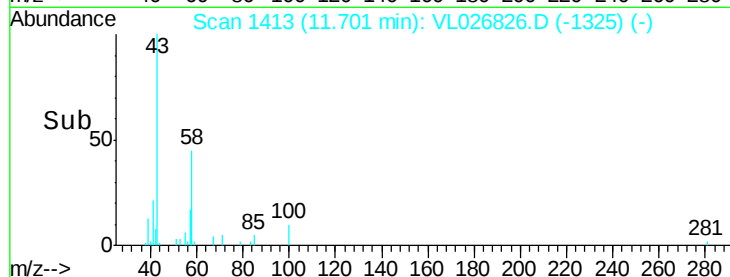
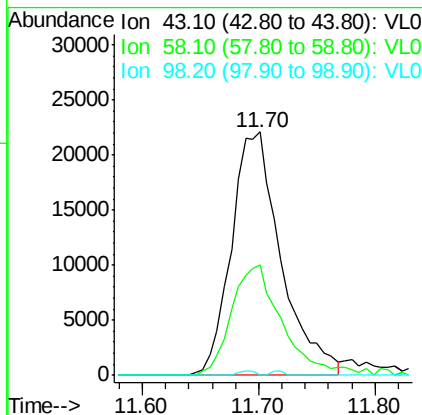
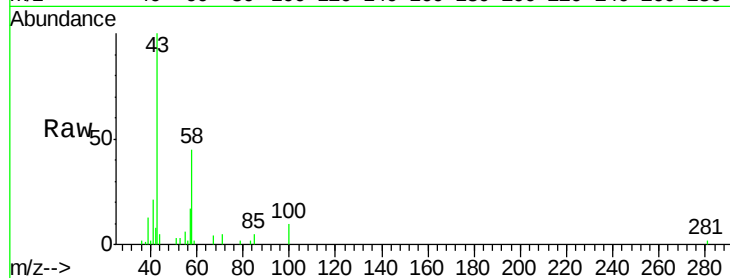
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	65487
Ion Ratio	Lower	Upper	
43	100		
58	47.0	40.4	60.6
98	1.0	0.2	0.4#

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#52

Tetrachloroethene

Concen: 0.28 ppbv

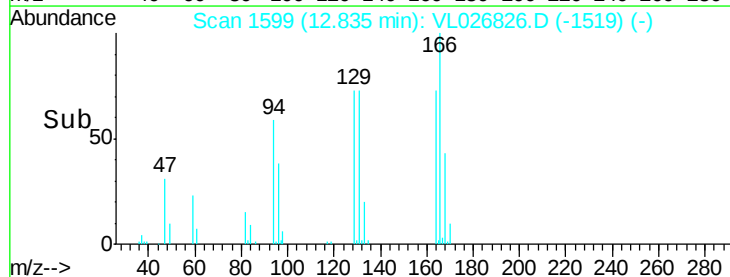
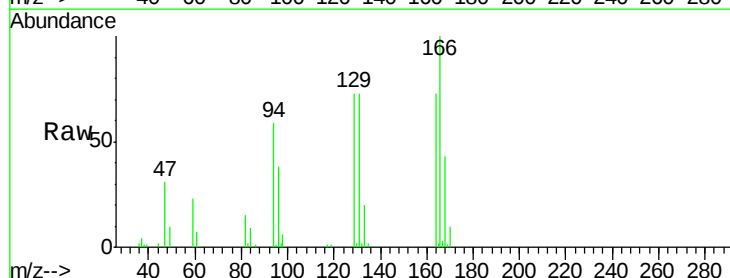
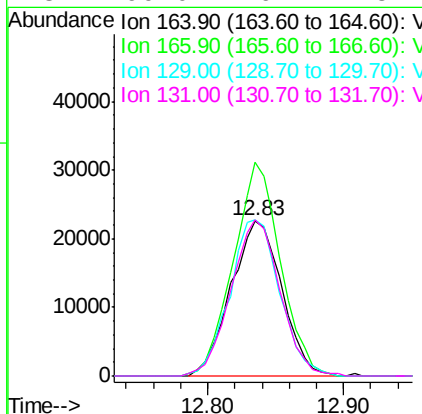
RT: 12.83 min Scan# 1599

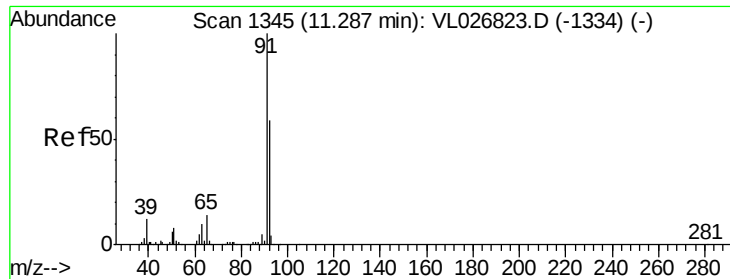
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	164	Resp:	58872
Ion Ratio	Lower	Upper	
164	100		
166	137.6	100.3	150.5
129	100.4	80.0	120.0
131	99.0	76.7	115.1





#53

Toluene

Concen: 0.26 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 142773

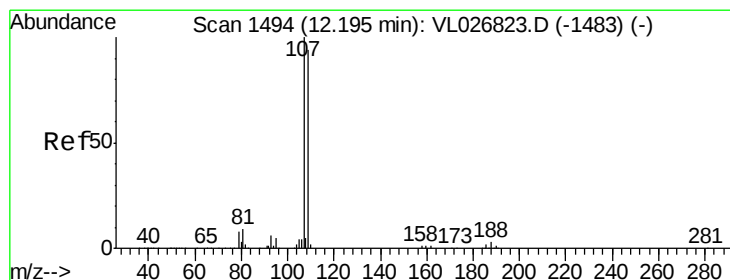
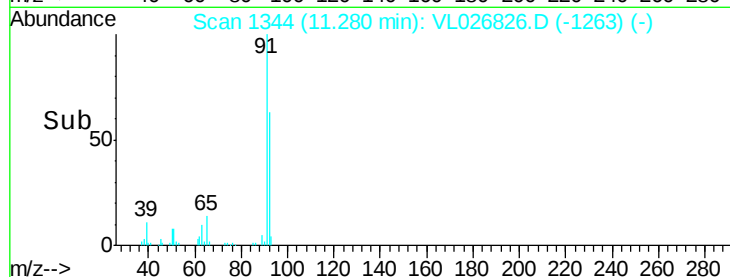
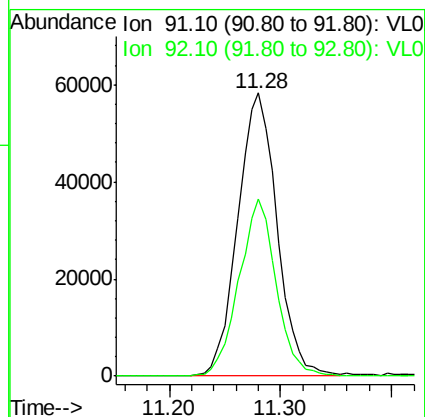
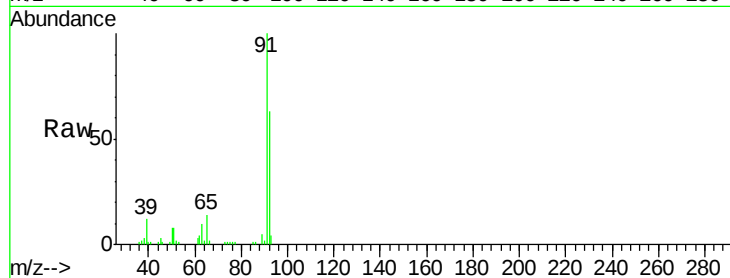
Ion Ratio Lower Upper

91 100

92 59.2 47.3 70.9

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#54

1,2-Dibromoethane

Concen: 0.28 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026826.D

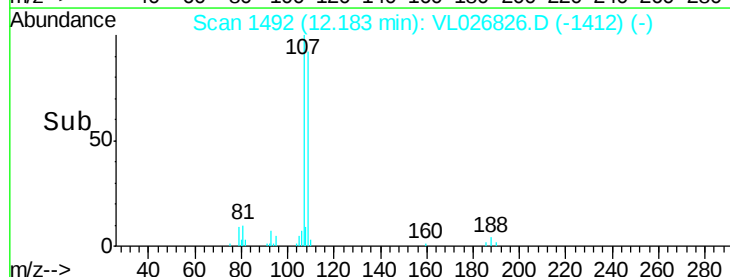
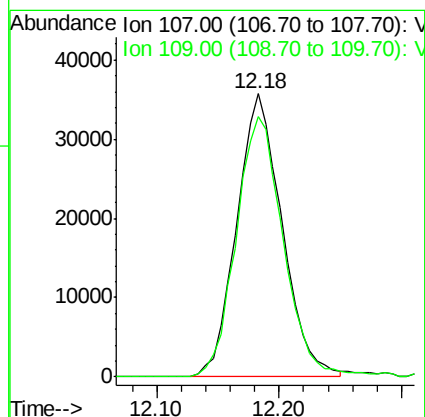
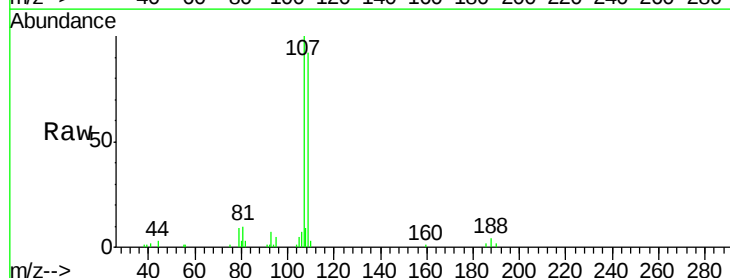
Acq: 9 Feb 2016 18:51

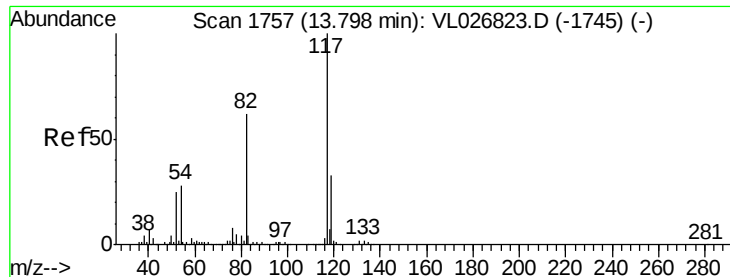
Tgt Ion: 107 Resp: 91853

Ion Ratio Lower Upper

107 100

109 92.0 75.0 112.4





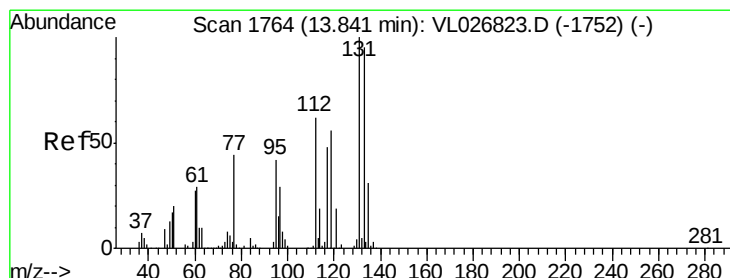
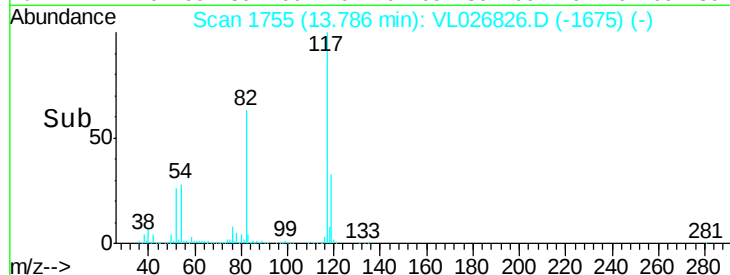
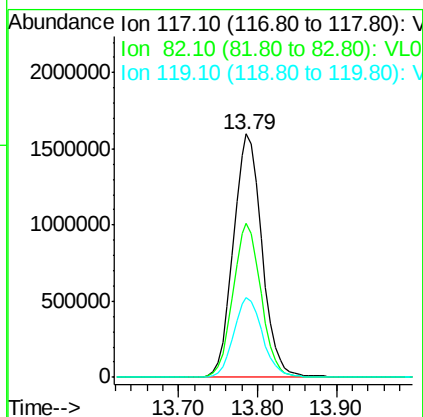
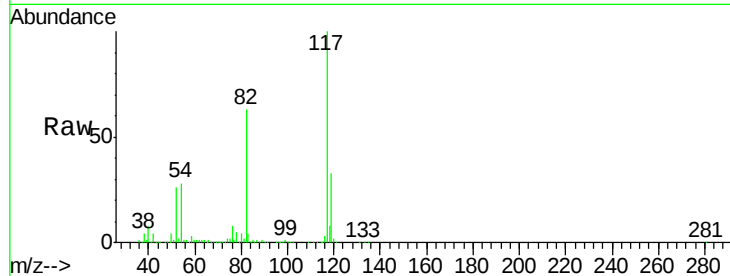
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 4046165
Ion Ratio Lower Upper
117 100
82 62.5 51.9 77.9
119 33.4 48.5 72.7#

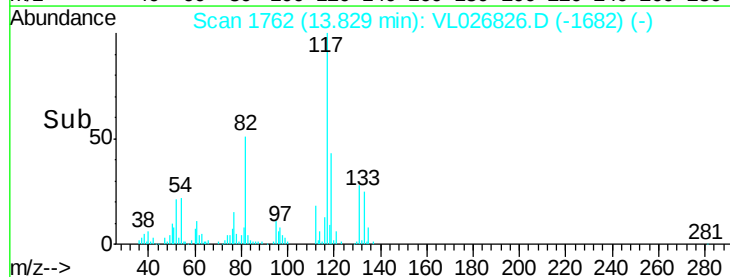
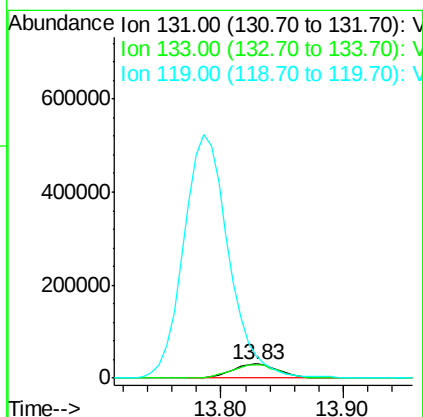
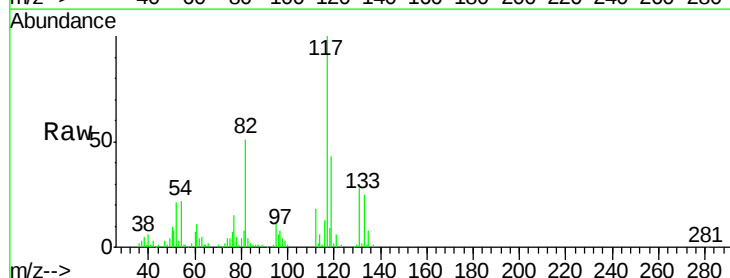
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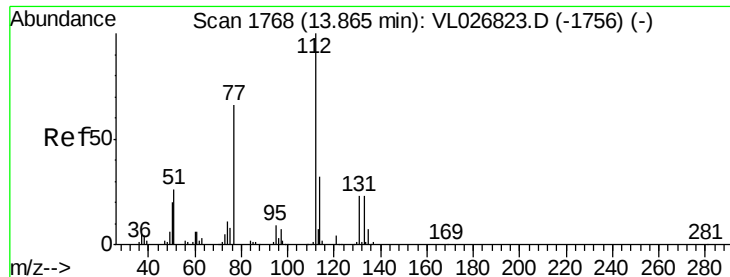
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.39 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion:131 Resp: 82755
Ion Ratio Lower Upper
131 100
133 95.6 76.4 114.6
119 1629.4 99.8 149.8#





#57

Chlorobenzene

Concen: 0.39 ppbv

RT: 13.85 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

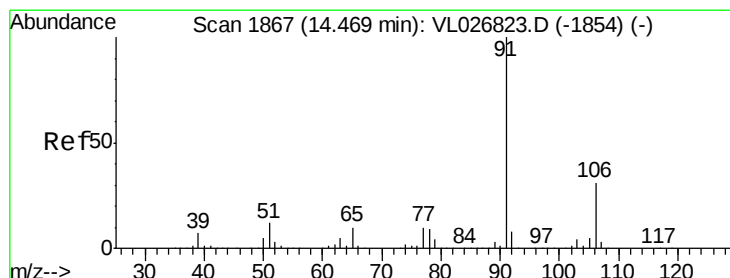
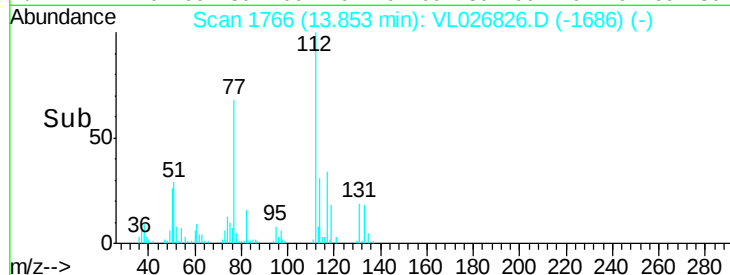
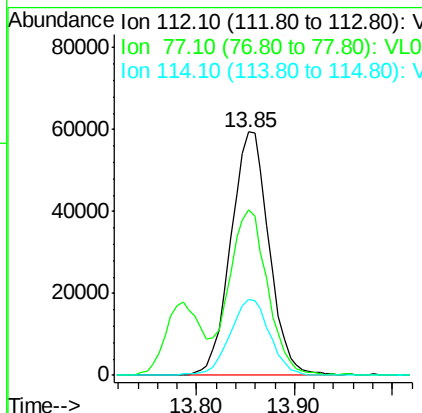
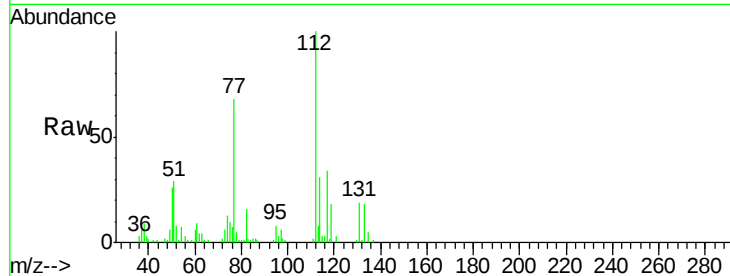
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	160809
Ion Ratio	Lower	Upper	
112	100		
77	67.8	53.3	79.9
114	31.0	28.9	35.3

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.28 ppbv

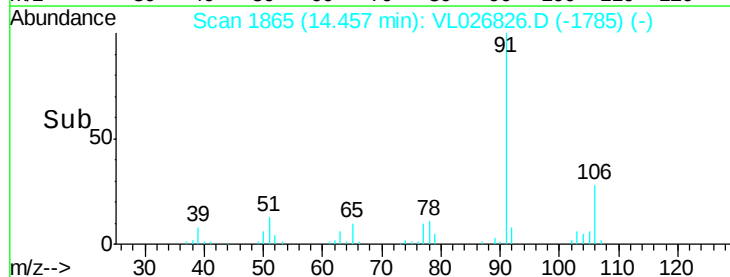
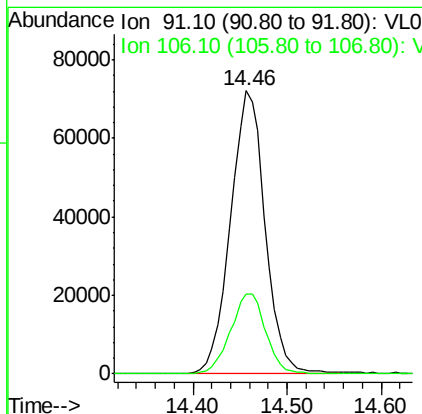
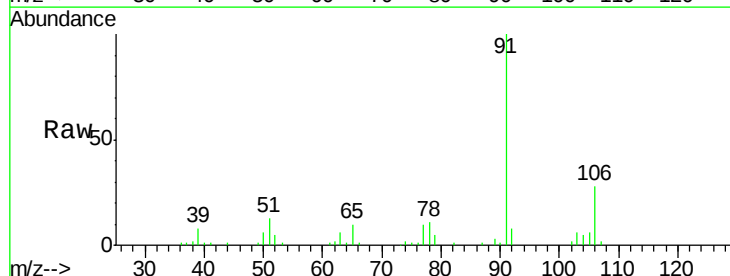
RT: 14.46 min Scan# 1865

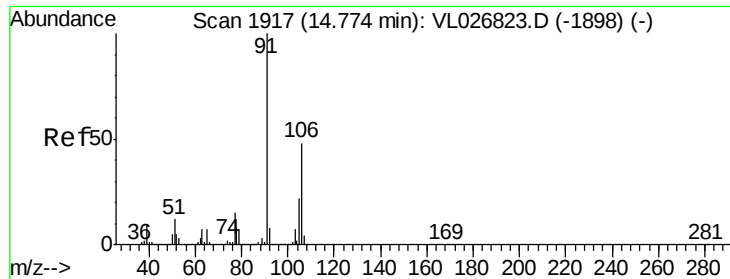
Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:	91	Resp:	184458
Ion Ratio	Lower	Upper	
91	100		
106	28.3	24.9	37.3





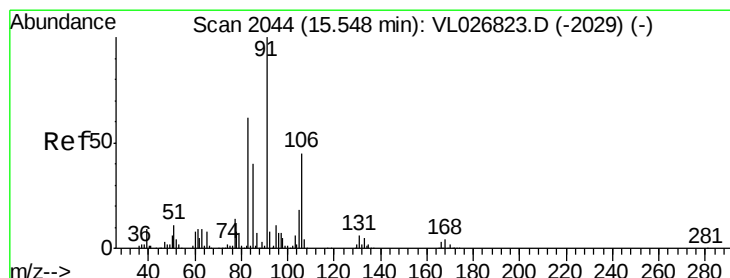
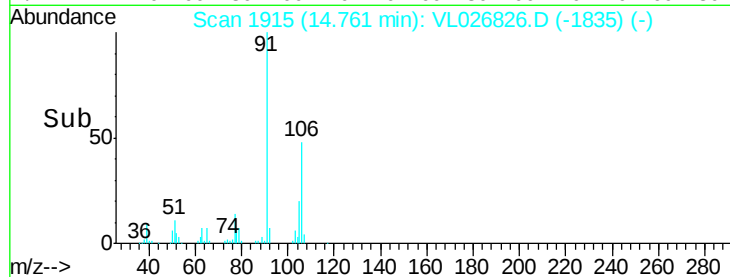
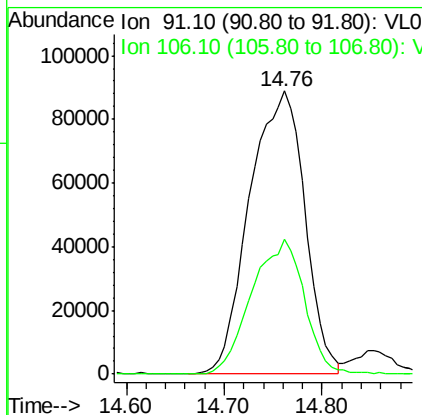
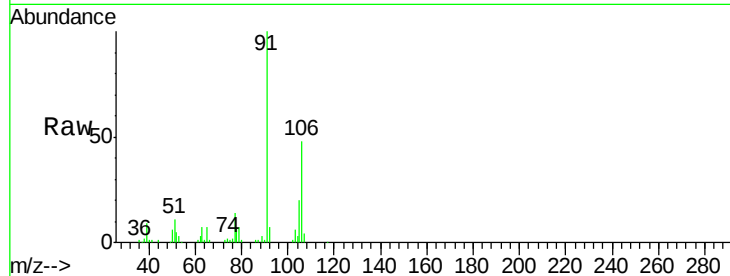
#59
m/p-Xylene
Concen: 0.60 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 348778
Ion Ratio Lower Upper
91 100
106 45.6 38.2 57.2

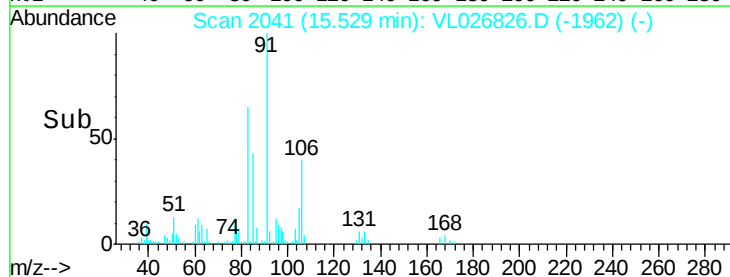
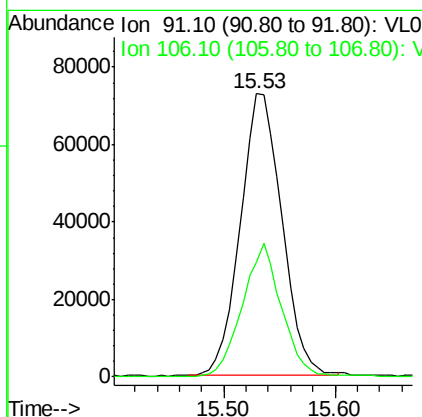
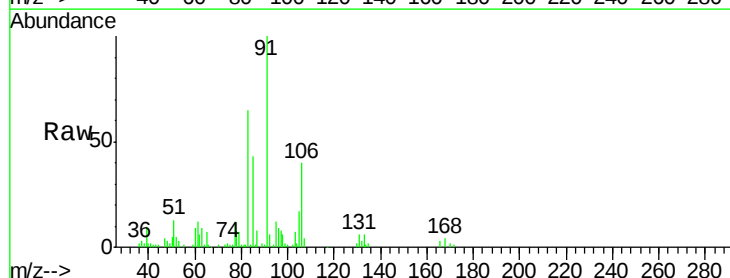
Manual Integrations
APPROVED

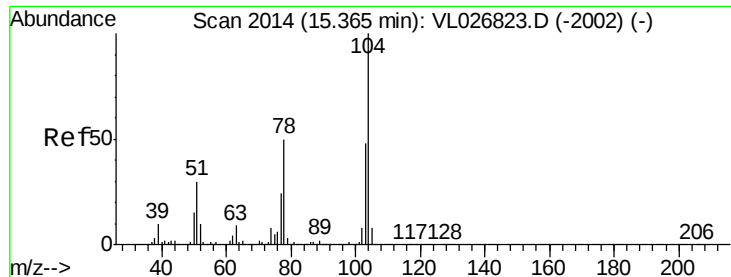
MMDadoda
2/11/2016 1:23:10 PM



#60
o-Xylene
Concen: 0.30 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion: 91 Resp: 189798
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.8





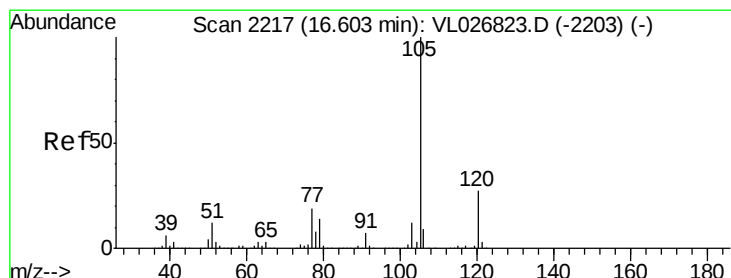
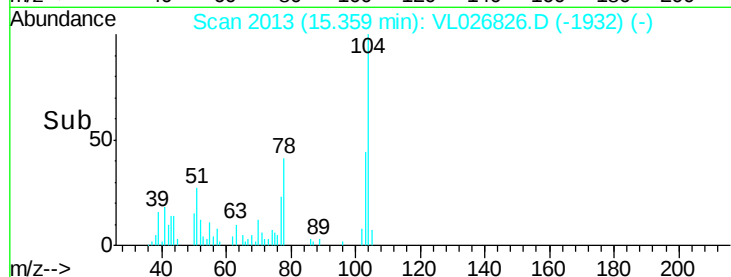
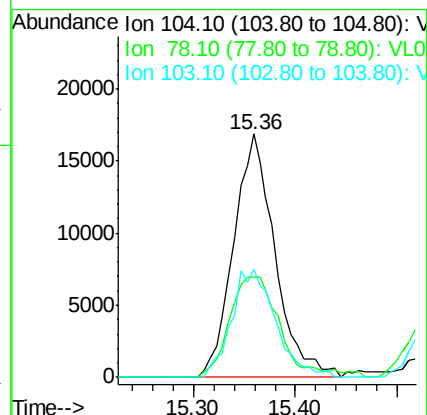
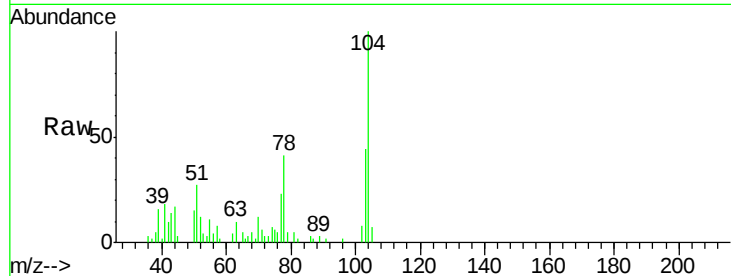
#61
Stvrene
Concen: 0.21 ppbv m
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.8	59.6
103	47.1	38.2	57.4

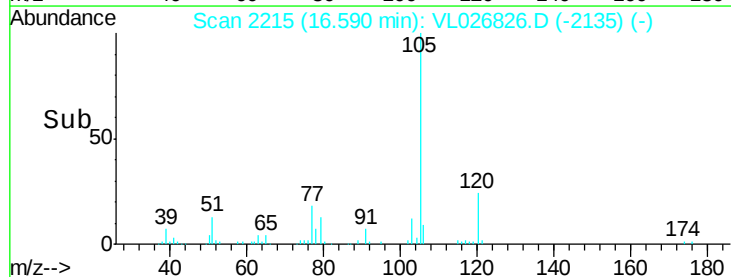
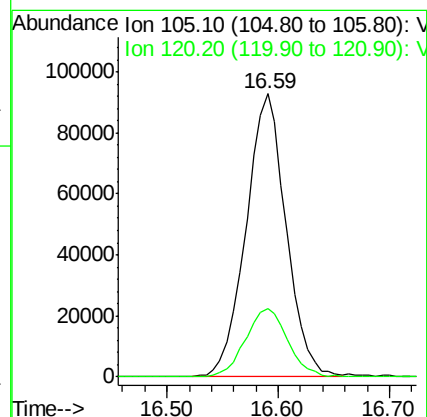
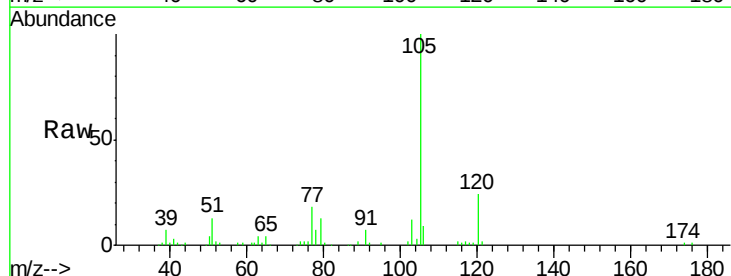
Manual Integrations
APPROVED

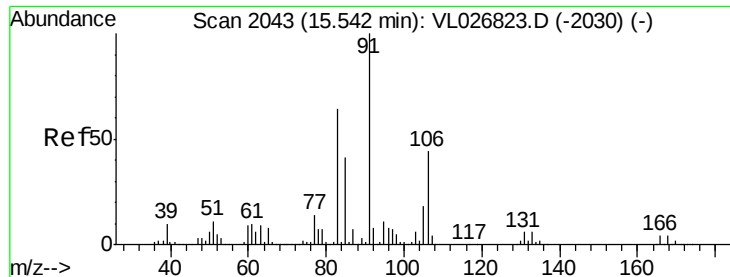
MMDadoda
2/11/2016 1:23:10 PM



#62
Isopropylbenzene
Concen: 0.28 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	21.0	31.4





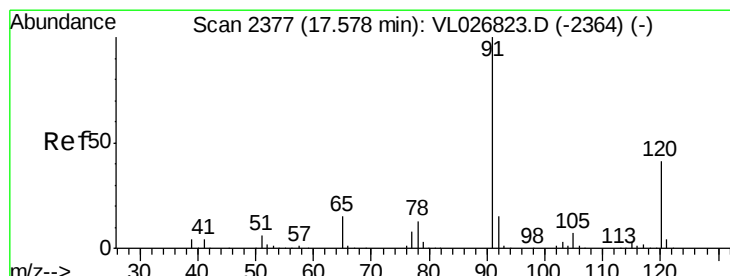
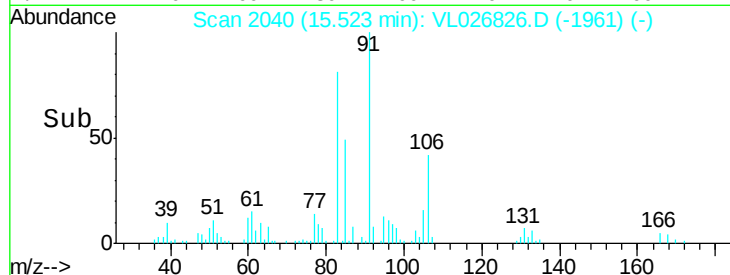
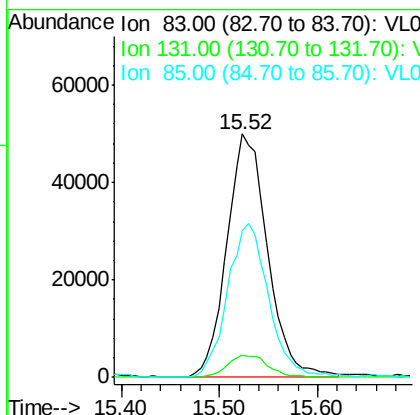
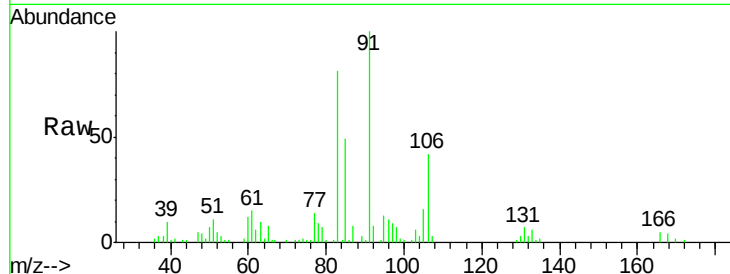
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.35 ppbv
 RT: 15.52 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	144551
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.1
85	64.2	32.3	96.9

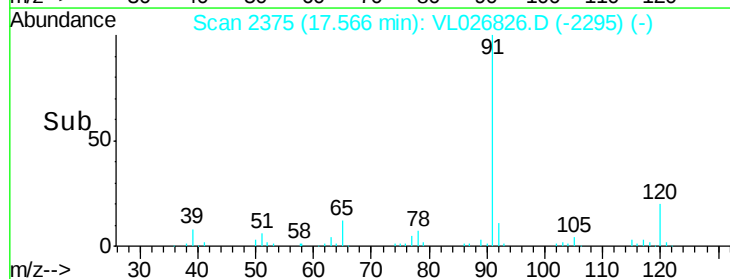
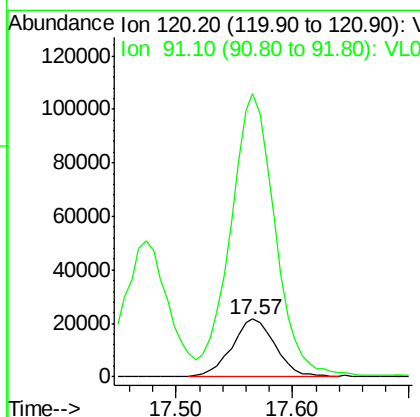
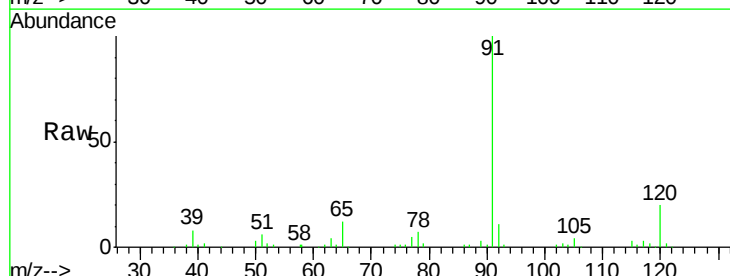
Manual Integrations
 APPROVED

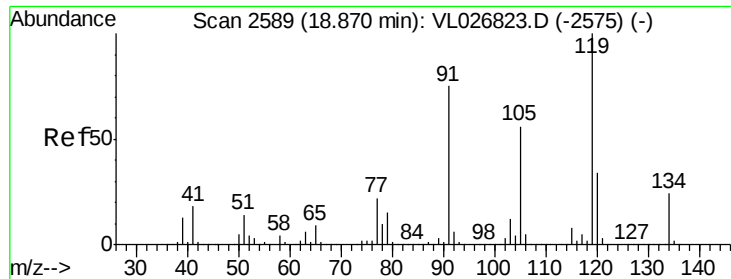
MMDadoda
 2/11/2016 1:23:10 PM



#64
 n-propylbenzene
 Concen: 0.24 ppbv
 RT: 17.57 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	120	Resp	56233
Ion	Ratio	Lower	Upper
120	100		
91	504.8	363.0	544.6





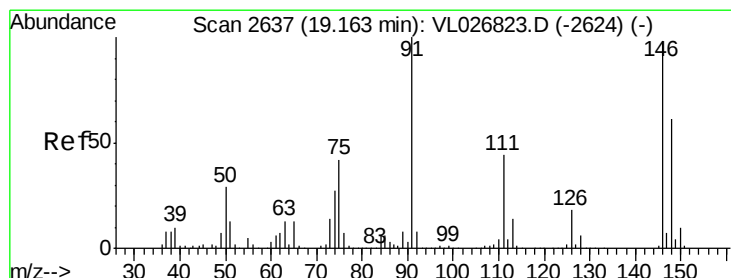
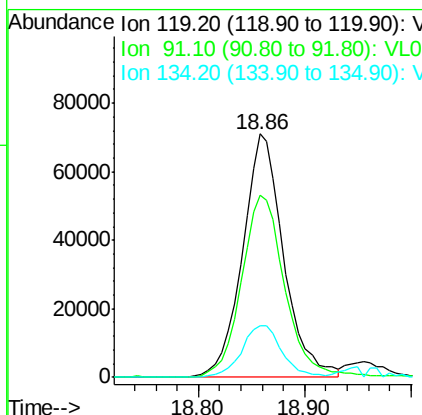
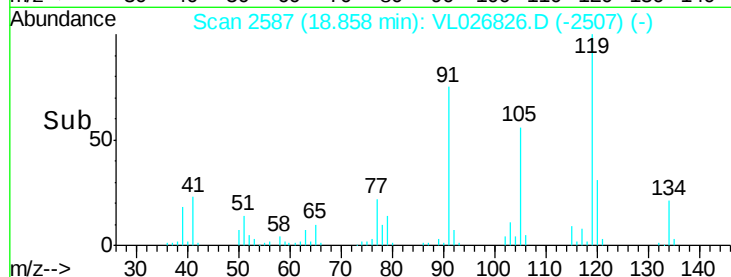
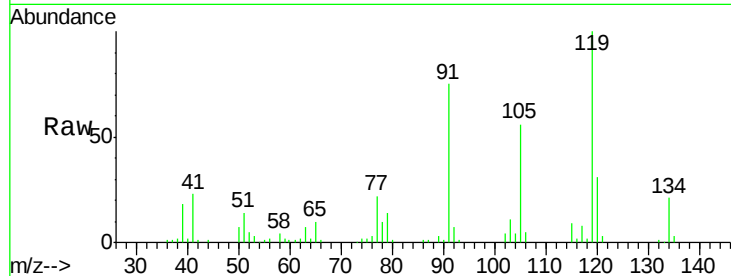
#65
tert-Butylbenzene
Concen: 0.23 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191550		
91	79.5	61.5	92.3	
134	24.0	17.9	26.9	

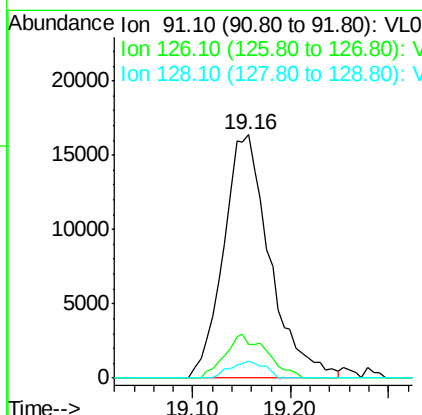
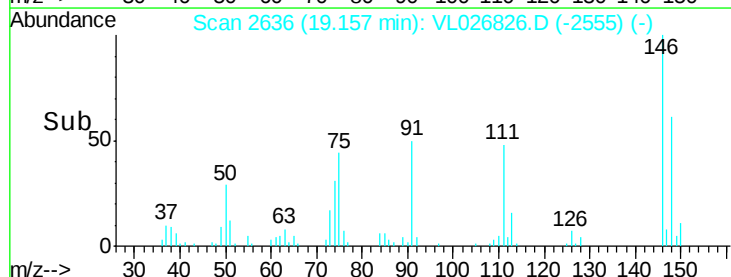
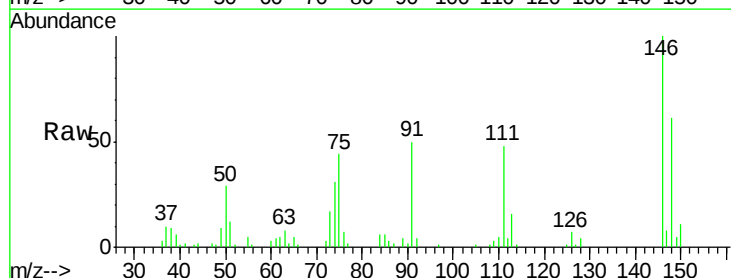
Manual Integrations
APPROVED

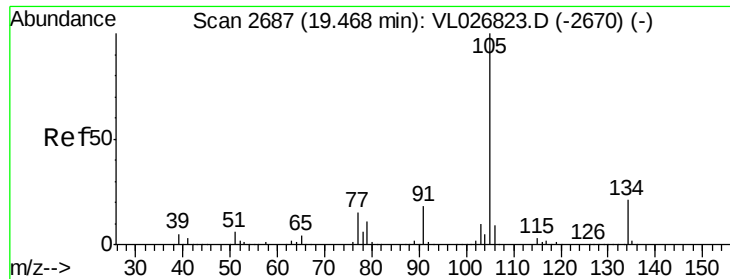
MMDadoda
2/11/2016 1:23:10 PM



#66
Benzyl Chloride
Concen: 0.17 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	53943		
126	16.0	14.6	21.8	
128	5.2	4.6	6.8	





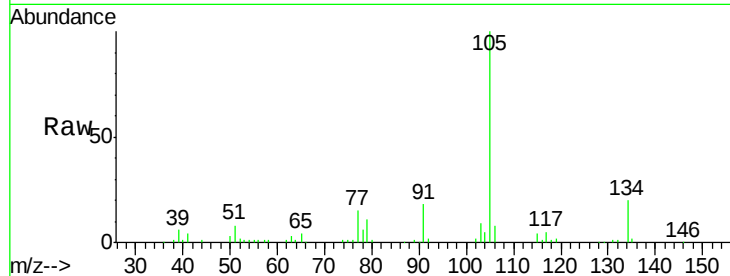
#67
 sec-Butylbenzene
 Concen: 0.22 ppbv
 RT: 19.46 min Scan# 2685
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

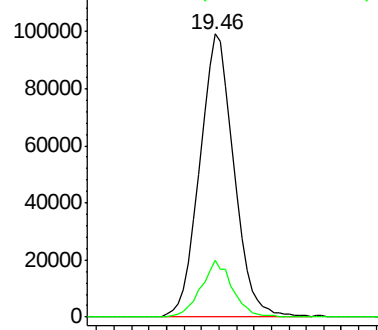
Tot Ion: 105 Resp: 269695
 Ion Ratio Lower Upper
 105 100
 134 18.4 16.1 24.1

Manual Integrations
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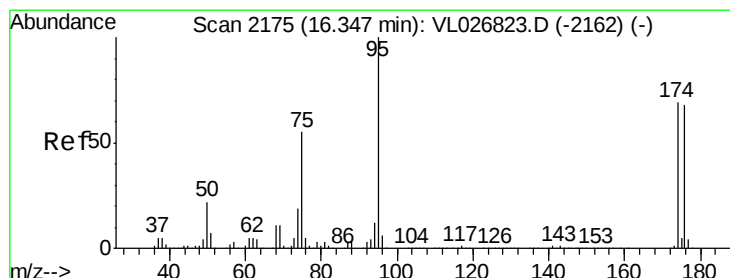
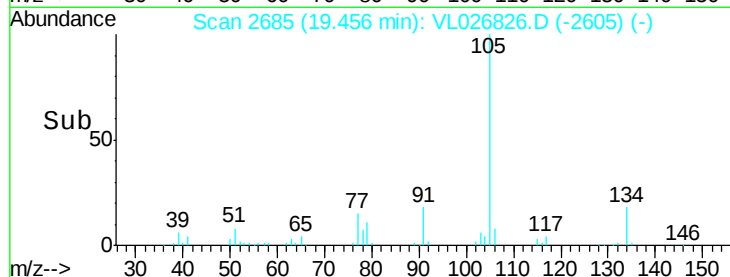
MMDadoda
 2/11/2016 1:23:10 PM



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

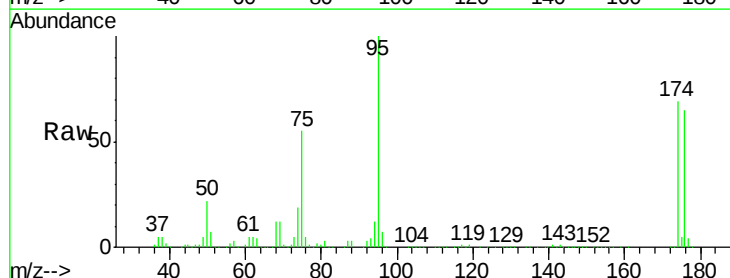


Time-->

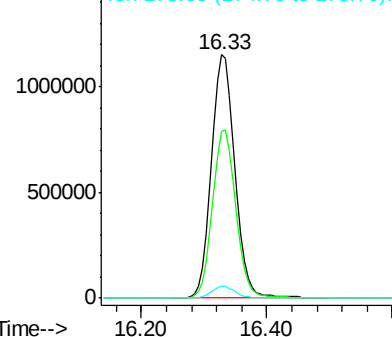


#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.72 ppbv
 RT: 16.33 min Scan# 2172
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

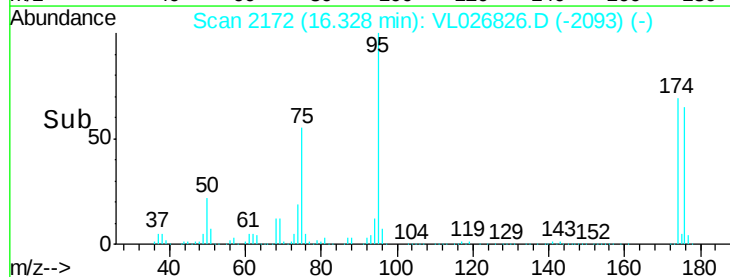
Tgt Ion: 95 Resp: 2994100
 Ion Ratio Lower Upper
 95 100
 174 69.2 55.6 83.4
 175 4.9 3.9 5.9

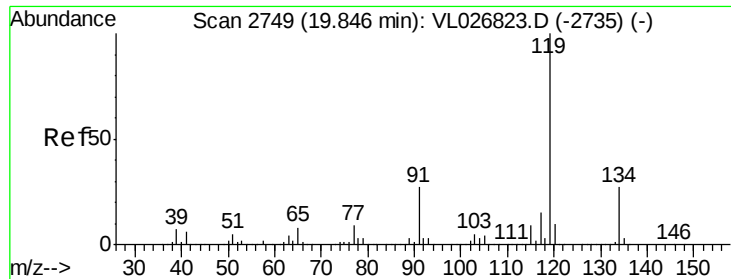


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



Time-->





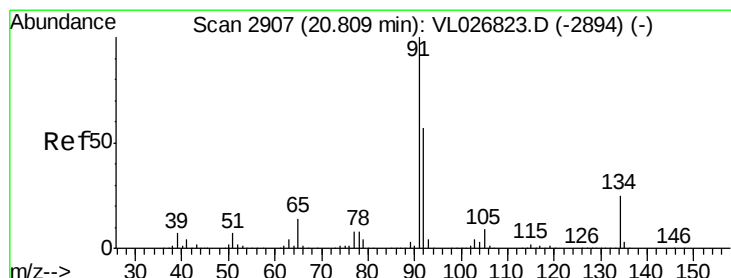
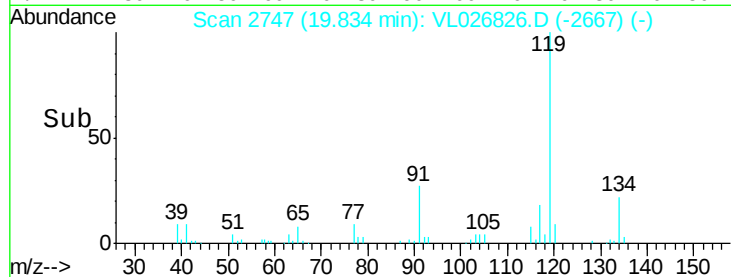
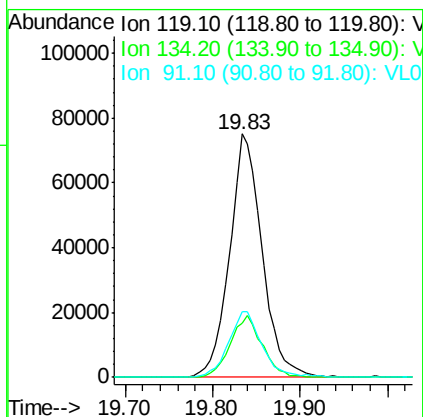
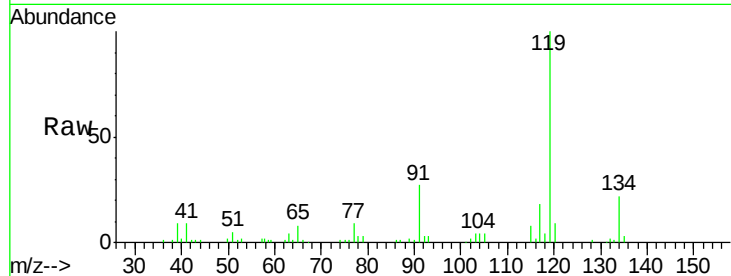
#69
 p-Isopropyltoluene
 Concen: 0.19 ppbv
 RT: 19.83 min Scan# 2747
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	25.1	21.3	31.9
91	27.9	21.5	32.3

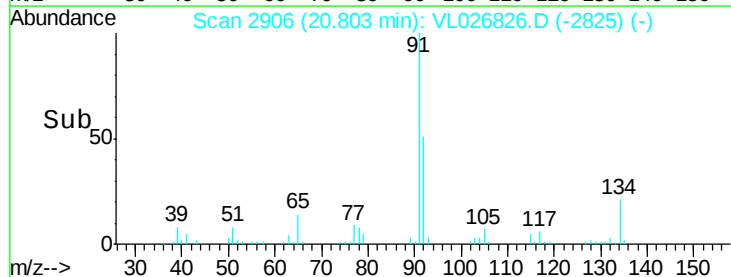
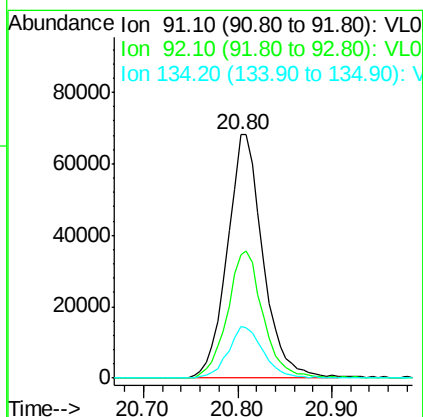
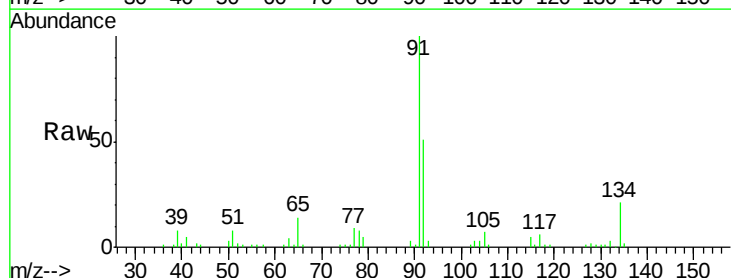
Manual Integrations
 APPROVED

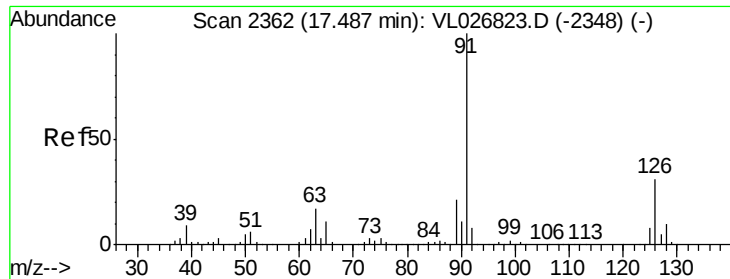
MMDadoda
 2/11/2016 1:23:10 PM



#70
 n-Butylbenzene
 Concen: 0.17 ppbv
 RT: 20.80 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
92	52.0	44.2	66.4
134	20.8	19.3	28.9





#71

2-Chlorotoluene

Concen: 0.21 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 134534

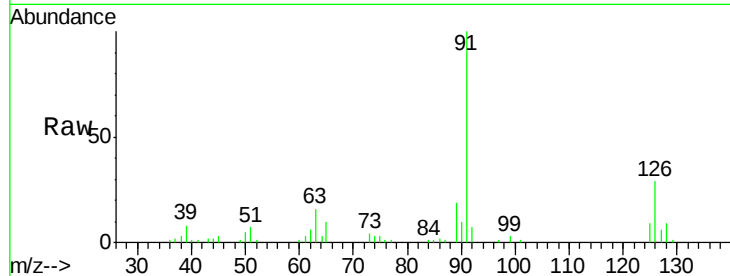
Ion Ratio Lower Upper

91 100

126 30.6 12.2 48.8

Manual Integrations
APPROVED

MMDadoda
2/11/2016 1:23:10 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

120000

100000

80000

60000

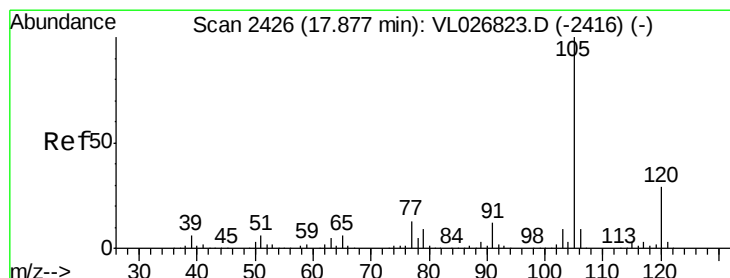
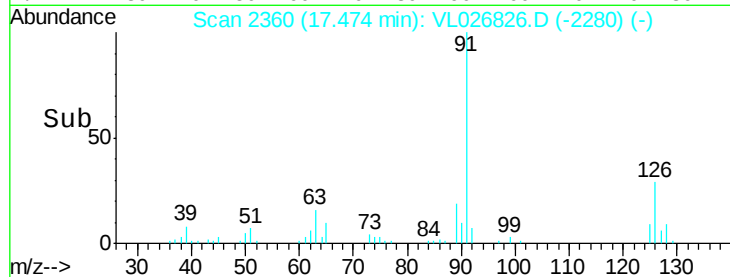
40000

20000

0

17.40 17.45 17.50 17.55

Time-->



#72

4-Ethyltoluene

Concen: 0.20 ppbv

RT: 17.87 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion: 105 Resp: 147580

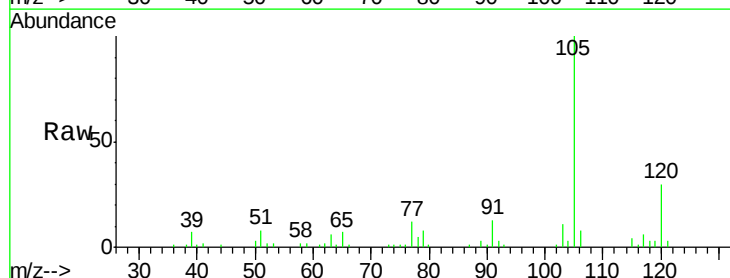
Ion Ratio Lower Upper

105 100

120 30.4 23.8 35.6

91 15.5 10.2 15.4#

77 14.2 10.8 16.2



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

80000

60000

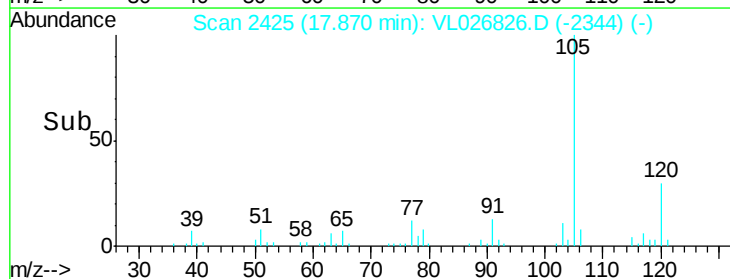
40000

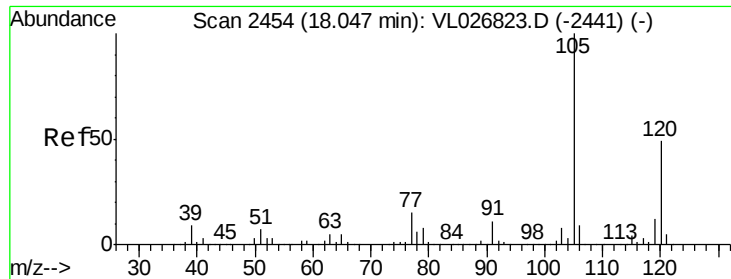
20000

0

17.80 17.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 0.22 ppbv

RT: 18.04 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 154577

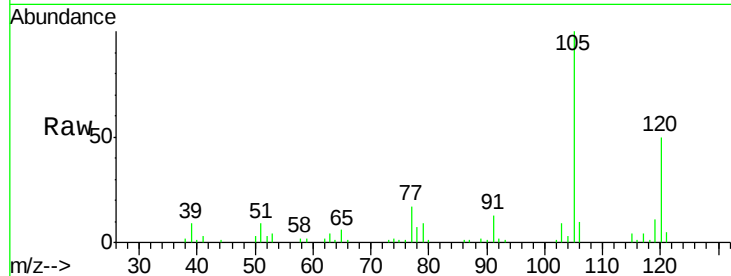
Ion Ratio Lower Upper

105 100

120 50.2 39.4 59.0

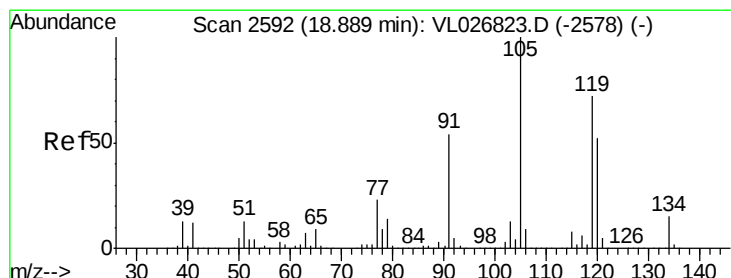
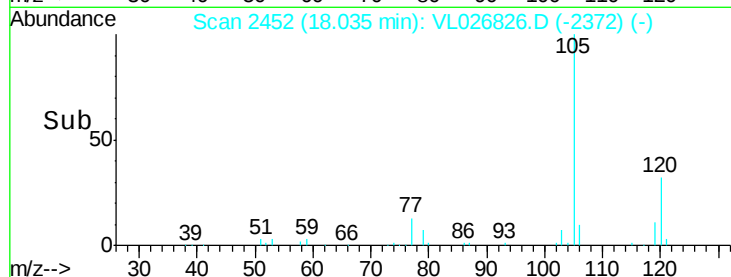
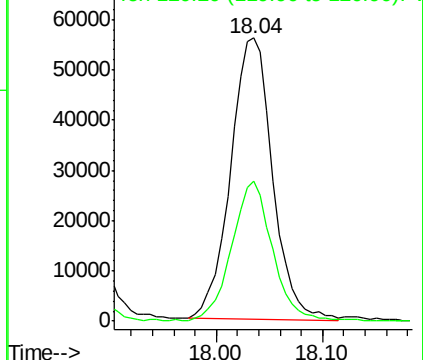
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.23 ppbv

RT: 18.88 min Scan# 2590

Delta R.T. -0.01 min

Lab File: VL026826.D

Acq: 9 Feb 2016 18:51

Tgt Ion:105 Resp: 185777

Ion Ratio Lower Upper

105 100

120 50.1 41.3 61.9

91 47.0 43.3 64.9

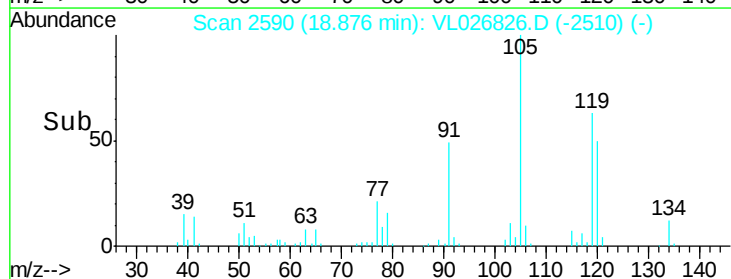
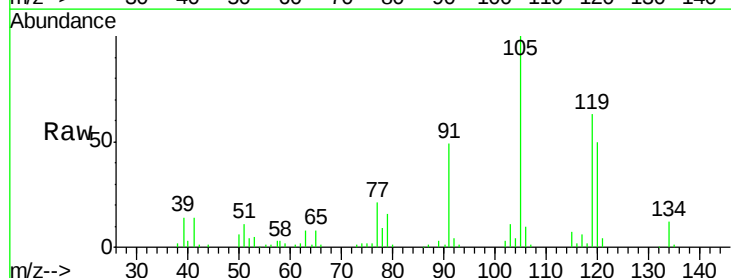
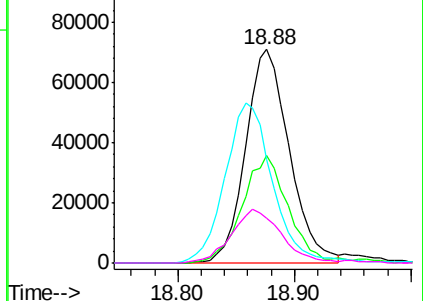
77 20.5 18.3 27.5

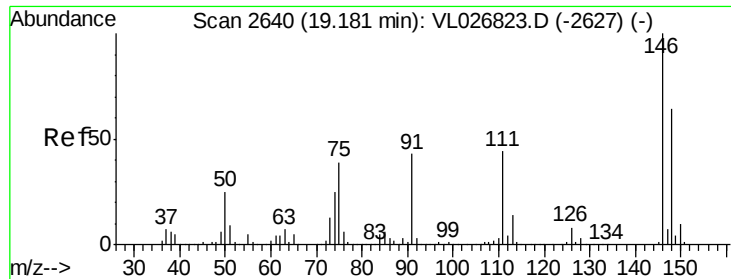
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





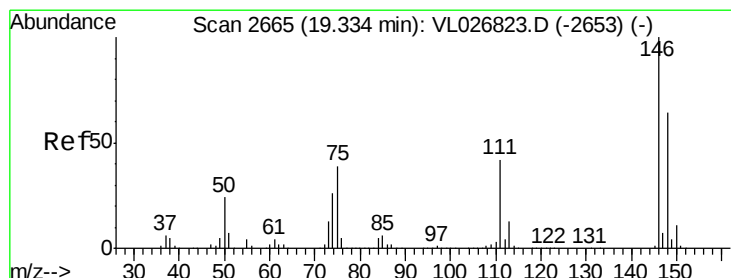
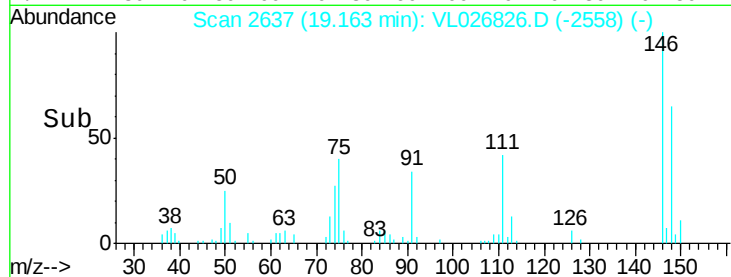
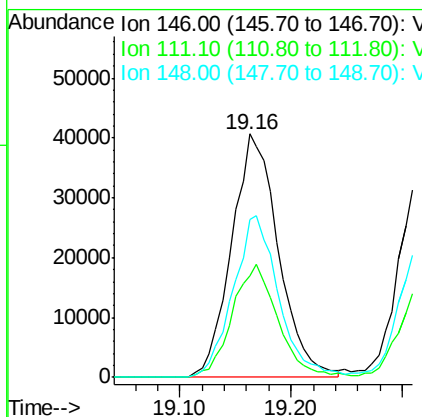
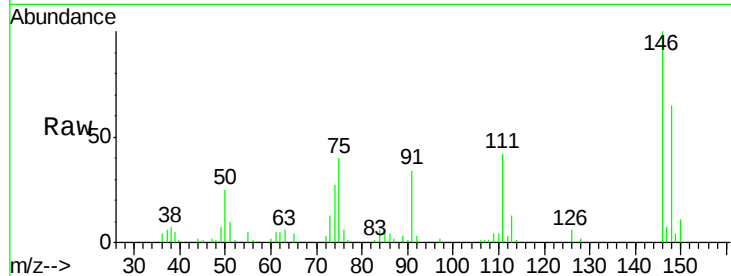
#75
 1,3-Dichlorobenzene
 Concen: 0.23 ppbv
 RT: 19.16 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.1	66.3
148	64.4	32.2	96.6

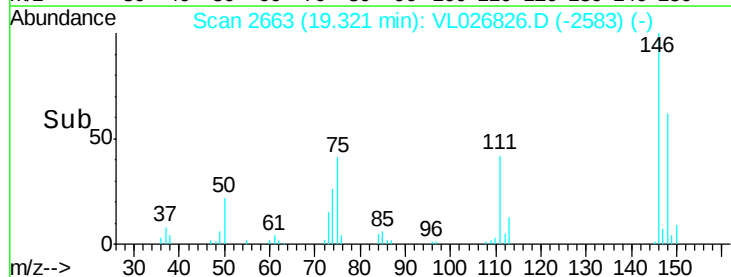
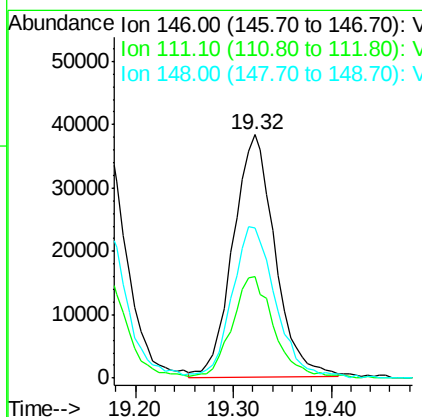
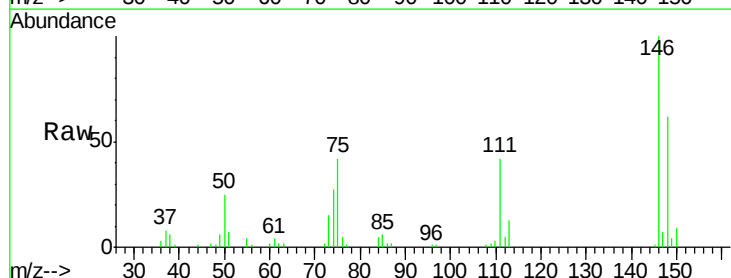
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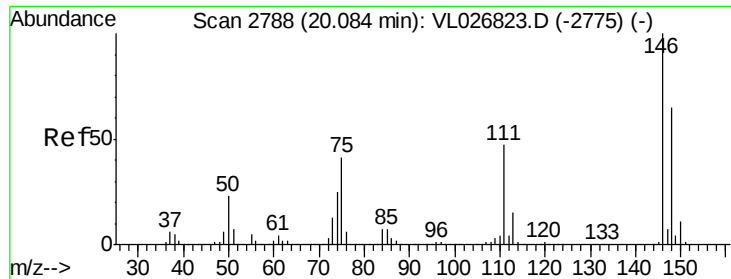
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#76
 1,4-Dichlorobenzene
 Concen: 0.22 ppbv
 RT: 19.32 min Scan# 2663
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.8
148	65.6	32.2	96.6





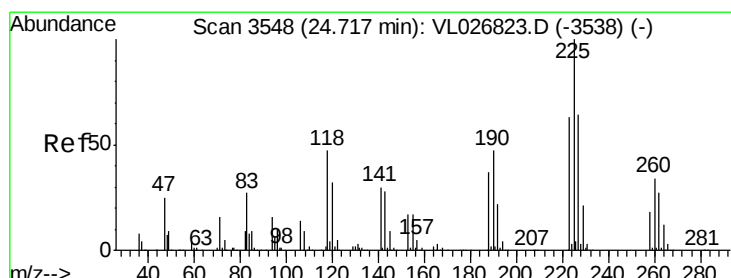
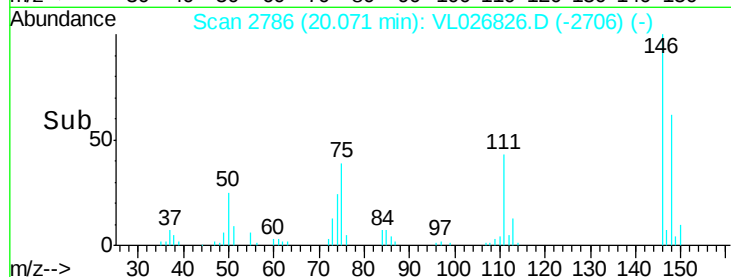
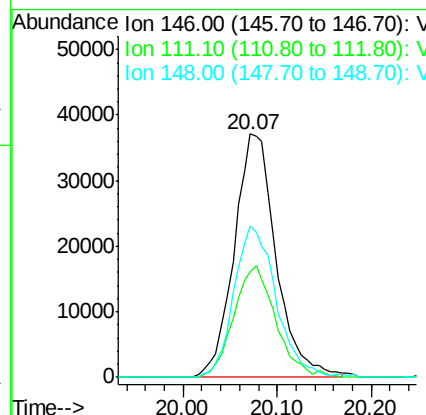
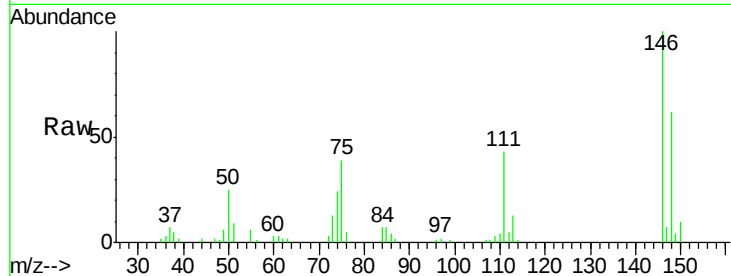
#77
 1,2-Dichlorobenzene
 Concen: 0.21 ppbv
 RT: 20.07 min Scan# 2786
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.1	69.3
148	63.0	32.1	96.5

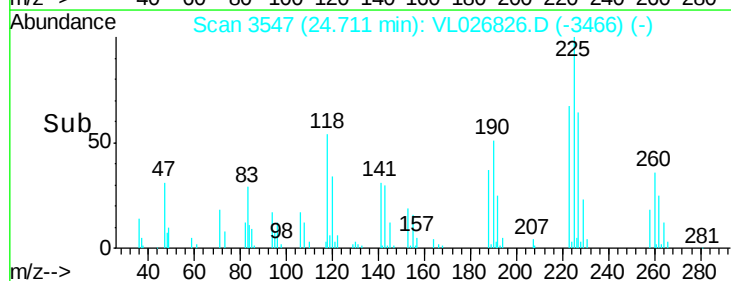
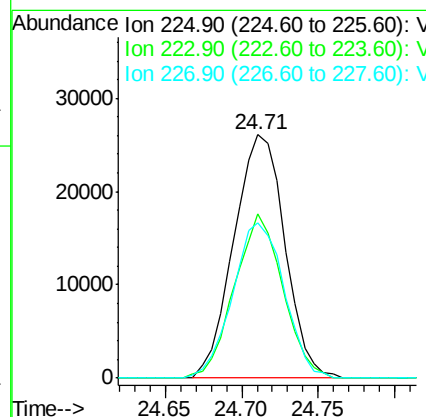
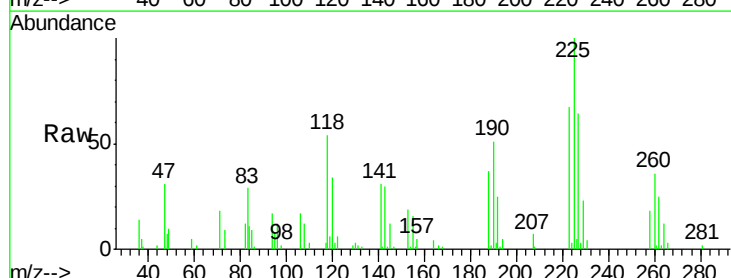
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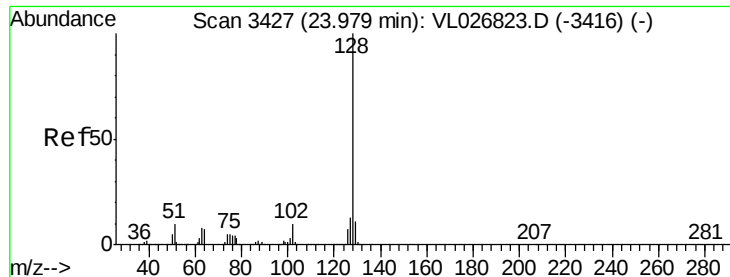
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.23 ppbv
 RT: 24.71 min Scan# 3547
 Delta R.T. -0.01 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.2
227	64.6	52.1	78.1





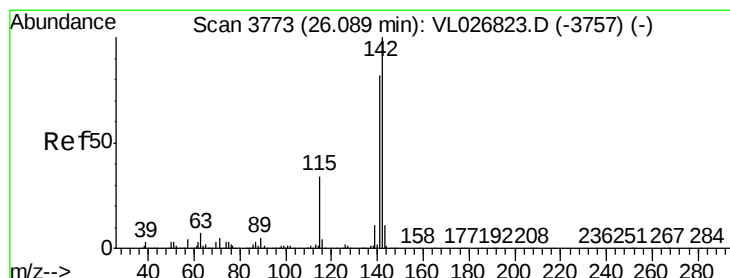
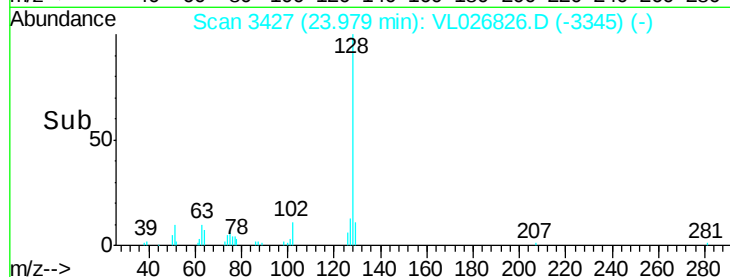
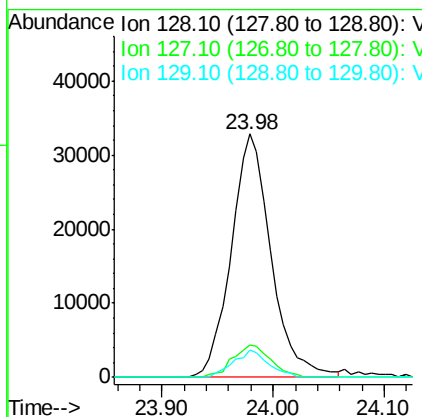
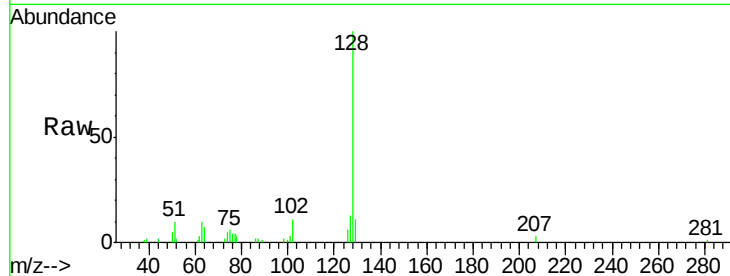
#79
Naphthalene
Concen: 0.12 ppbv
RT: 23.98 min Scan# 3427
Delta R.T. -0.00 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	11.1	8.7	13.1

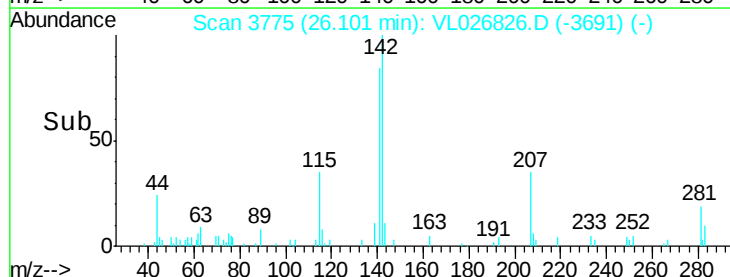
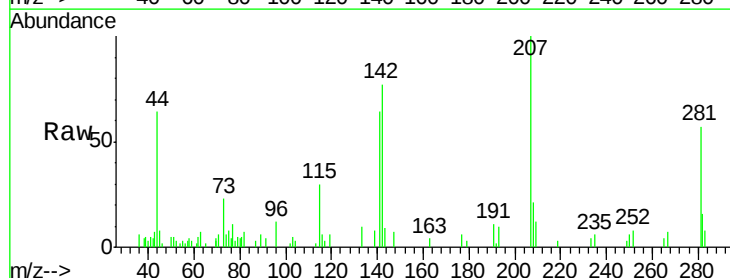
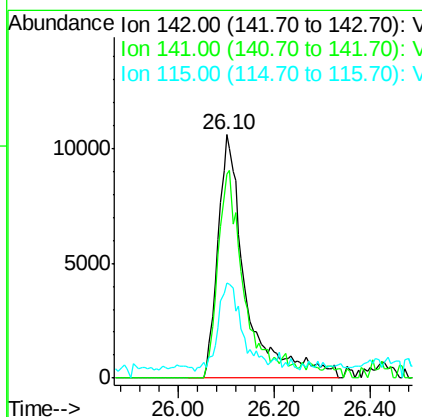
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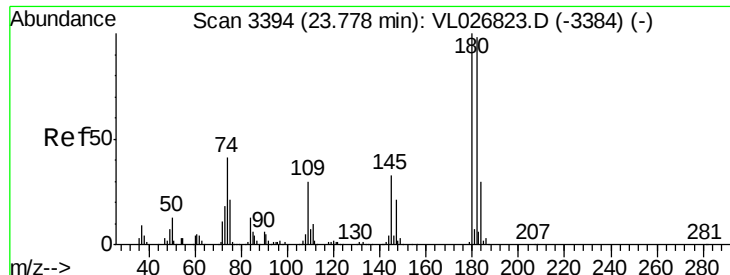
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#80
Naphthalene, 2-methyl-
Concen: 0.36 ppbv
RT: 26.10 min Scan# 3775
Delta R.T. 0.01 min
Lab File: VL026826.D
Acq: 9 Feb 2016 18:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	67.2	100.8
115	37.1	27.5	41.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.16 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VL026826.D
 Acq: 9 Feb 2016 18:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	77.3	115.9
184	30.9	24.5	36.7

Manual Integrations
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