

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026831.D
 Acq On : 9 Feb 2016 22:05
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Manual Integrations
 APPROVED

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 2/11/2016 1:23:28 PM

Quant Time: Feb 10 03:50:12 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:50:12 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1731738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4894103	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	4922498m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.34	95	3353802	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	3700369	9.88	ppbv	99
3) Chlorodifluoromethane	3.60	51	1756785	6.25	ppbv	100
4) Chloromethane	3.78	50	1051786	9.47	ppbv	99
5) Vinyl Chloride	3.92	62	1176698	9.41	ppbv	100
6) Bromomethane	4.17	94	1026380	9.89	ppbv	98
7) Chloroethane	4.27	64	533782	9.73	ppbv	98
8) Dichlorotetrafluoroethane	3.84	85	3218582	9.68	ppbv	97
9) Propene	3.62	41	753624	9.93	ppbv	98
10) Heptane	9.40	43	2653852	10.68	ppbv	98
11) Trichlorofluoromethane	4.73	101	4205369	9.47	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	3061321	9.74	ppbv	97
13) Ethanol	4.36	45	114398	8.76	ppbv	96
14) Bromoethene	4.48	108	1171540	10.18	ppbv	99
15) Acetone	4.64	43	1797495	7.56	ppbv	98
16) 1,3-Butadiene	4.00	39	884636	9.52	ppbv	98
17) tert-Butyl alcohol	5.17	59	1501460	9.56	ppbv	97
18) 1,1-Dichloroethene	5.12	96	1316997	10.00	ppbv	96
19) Isopropyl Alcohol	4.79	45	854797	10.07	ppbv	99
20) Methylene Chloride	5.18	84	1169277	9.49	ppbv	96
21) Allyl Chloride	5.26	41	1387538	9.45	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	1266317	10.66	ppbv	98
23) Vinyl Acetate	6.03	43	3335869	10.34	ppbv	99
24) 1,1-Dichloroethane	5.95	63	2565681	9.95	ppbv	99
25) Ethyl Acetate	6.71	43	3845318	10.77	ppbv	99
26) Hexane	6.70	57	2093720	10.41	ppbv	97
27) Carbon Disulfide	5.43	76	3518605	10.15	ppbv	98
28) Methyl tert-Butyl Ether	5.99	73	3352499	10.66	ppbv	100
29) Chloroform	6.79	83	3168996	10.12	ppbv	99
30) Cyclohexane	8.33	84	1854293	11.33	ppbv	95
31) cis-1,2-Dichloroethene	6.56	61	1821825	10.85	ppbv	94
32) 1,1,1-Trichloroethane	7.64	97	3203817	10.17	ppbv	99
34) 2-Butanone	6.24	43	2268954	9.46	ppbv	97
35) Carbon Tetrachloride	8.21	117	3511537	9.87	ppbv	100
36) Benzene	8.07	78	4078482	10.50	ppbv	98
37) 1,2-Dichloroethane	7.42	62	2308137	9.49	ppbv	98
38) Trichloroethene	9.11	130	1988221	11.11	ppbv	99
39) 1,2-Dichloropropane	8.87	63	1460639	9.95	ppbv	97
40) 1,4-Dioxane	9.16	88	346410	13.30	ppbv	89
41) Tetrahydrofuran	7.17	42	1277268	10.82	ppbv	97
42) Bromodichloromethane	9.07	83	3350465	10.24	ppbv	99
43) Methyl Methacrylate	9.31	69	1555887	11.43	ppbv	94

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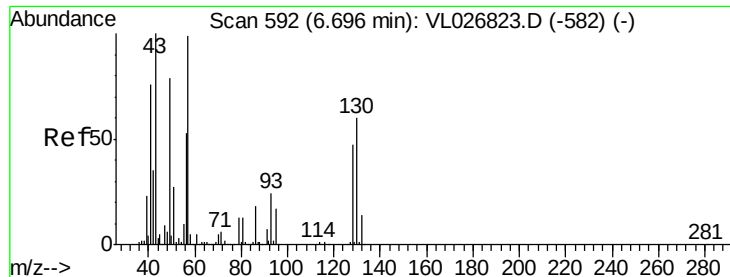
Manual Integrations
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Quant Time: Feb 10 03:50:12 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:50:12 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	6902485	10.40	ppbv	98
45) t-1,3-Dichloropropene	10.70	75	2158825	11.79	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	2607592	11.69	ppbv	96
47) 1,1,2-Trichloroethane	10.93	97	1708104	10.51	ppbv	99
48) Dibromochloromethane	11.85	129	2943750	11.09	ppbv	99
49) Bromoform	14.87	173	2355011	11.78	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	3046788	10.77	ppbv	98
51) 2-Hexanone	11.66	43	2723565	11.49	ppbv	96
52) Tetrachloroethene	12.84	164	1797370	11.76	ppbv	98
53) Toluene	11.29	91	5047363	11.55	ppbv	99
54) 1,2-Dibromoethane	12.19	107	2590201	10.72	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.84	131	2249739	10.37	ppbv	98
57) Chlorobenzene	13.87	112	4182884	10.27	ppbv	98
58) Ethyl Benzene	14.46	91	6593450	11.12	ppbv	100
59) m/p-Xylene	14.77	91	10792860	21.32	ppbv	98
60) o-Xylene	15.54	91	5881600	10.62	ppbv	98
61) Styrene	15.36	104	2298949	12.26	ppbv	98
62) Isopropylbenzene	16.60	105	7116946	10.70	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.54	83	3855912	10.19	ppbv	99
64) n-propylbenzene	17.57	120	1867436	10.92	ppbv	98
65) tert-Butylbenzene	18.86	119	6696188	10.93	ppbv	97
66) Benzyl Chloride	19.16	91	2223692	11.18	ppbv	99
67) sec-Butylbenzene	19.46	105	8455112	10.60	ppbv	99
69) p-Isopropyltoluene	19.85	119	7206617	11.15	ppbv	99
70) n-Butylbenzene	20.81	91	6630256	10.76	ppbv	99
71) 2-Chlorotoluene	17.48	91	5010417	11.04	ppbv	97
72) 4-Ethyltoluene	17.87	105	5717189	11.20	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	5371421	10.81	ppbv	98
74) 1,2,4-Trimethylbenzene	18.88	105	5924856	10.48	ppbv	97
75) 1,3-Dichlorobenzene	19.18	146	3566312	10.42	ppbv	99
76) 1,4-Dichlorobenzene	19.33	146	3532841	10.55	ppbv	99
77) 1,2-Dichlorobenzene	20.08	146	3387906	10.41	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	1439052	9.30	ppbv	100
79) Naphthalene	23.97	128	2749231	10.12	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	955898	8.67	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	1456452	9.92	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

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ICVVL020916

Tot Ion: 49 Resp: 1731738

Ion Ratio Lower Upper

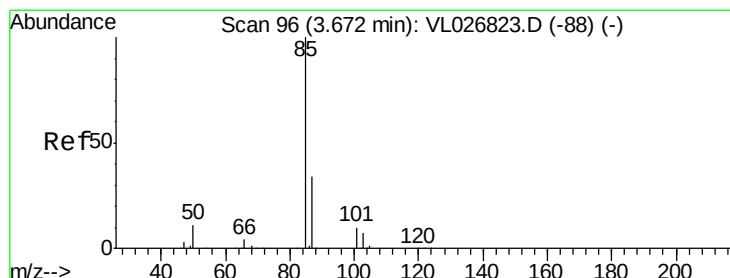
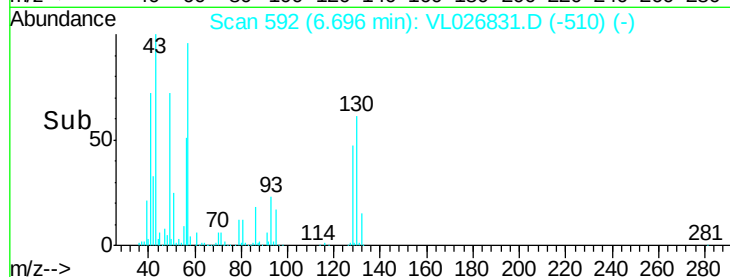
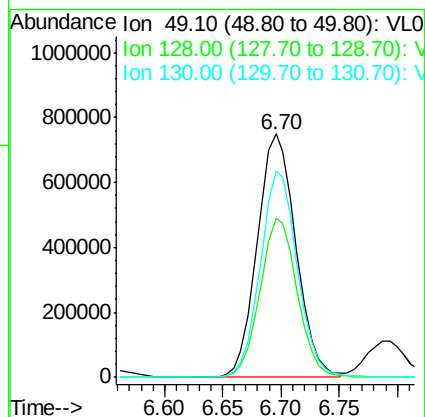
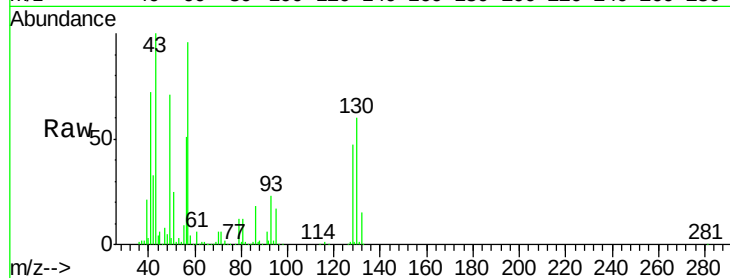
49 100

128 63.7 29.7 89.1

130 0.0 38.3 114.8#

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#2

Dichlorodifluoromethane

Concen: 9.88 ppbv

RT: 3.67 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL026831.D

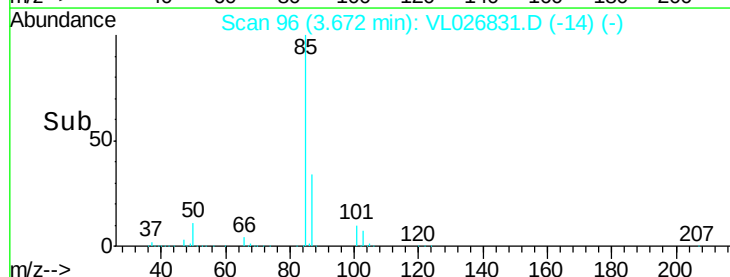
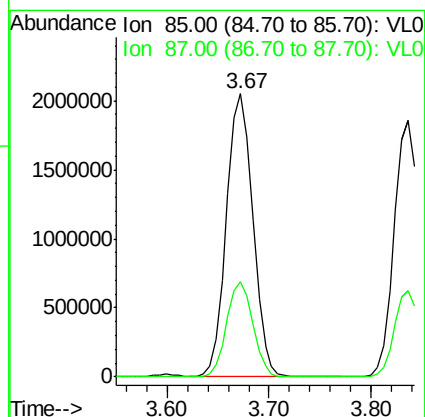
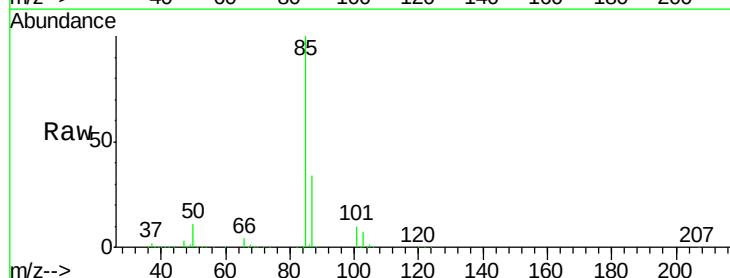
Acq: 9 Feb 2016 22:05

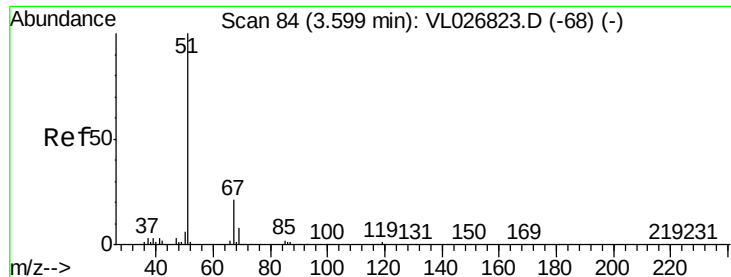
Tgt Ion: 85 Resp: 3700369

Ion Ratio Lower Upper

85 100

87 33.8 27.3 40.9





#3

Chlorodifluoromethane

Concen: 6.25 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tot Ion: 51 Resp: 1756785

Ion Ratio Lower Upper

51 100

67 20.5 16.4 24.6

Instrument :

MSVOA_L

ClientSampleId :

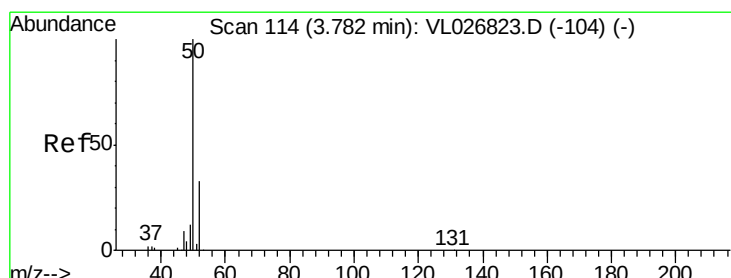
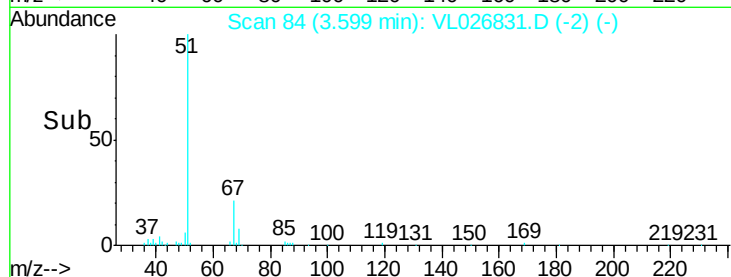
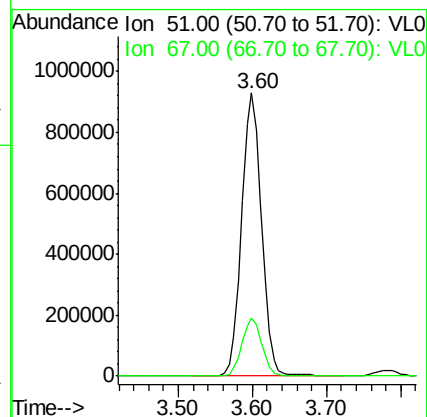
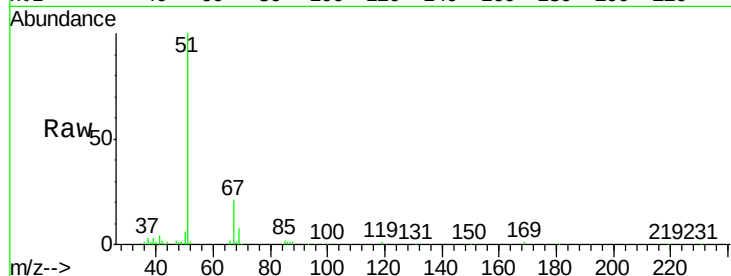
ICVVL020916

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2/11/2016 1:23:28 PM



#4

Chloromethane

Concen: 9.47 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026831.D

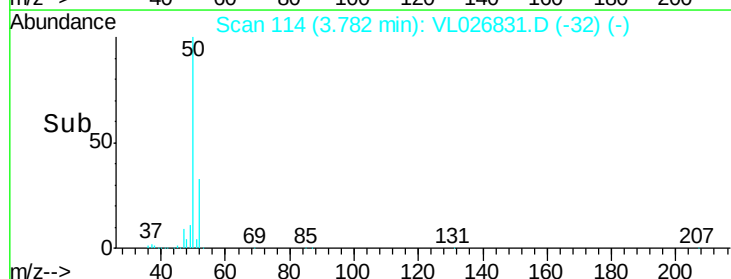
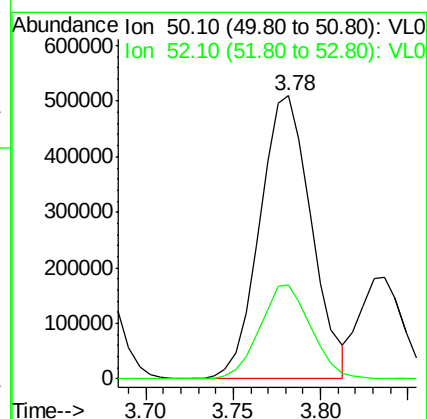
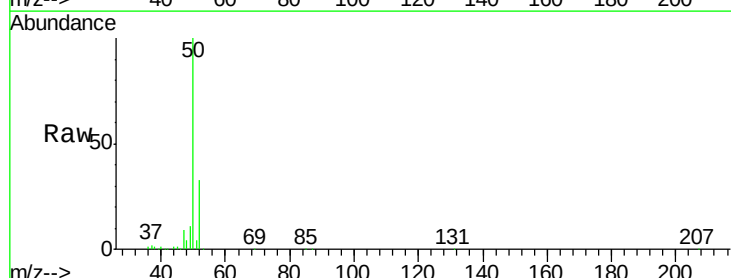
Acq: 9 Feb 2016 22:05

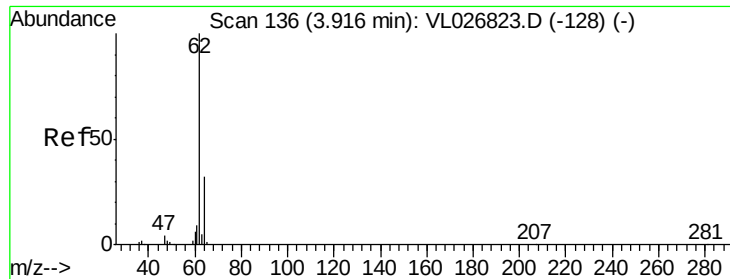
Tgt Ion: 50 Resp: 1051786

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5





#5

Vinyl Chloride

Concen: 9.41 ppbv

RT: 3.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 62 Resp: 1176698

Ion Ratio Lower Upper

62 100

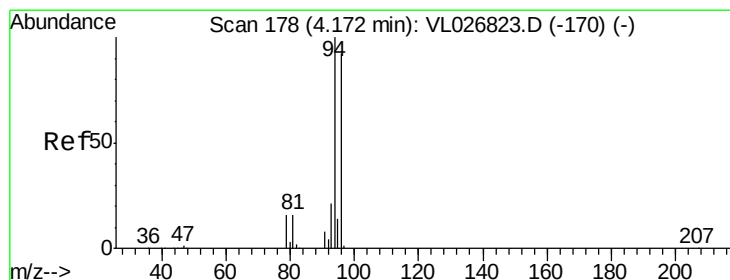
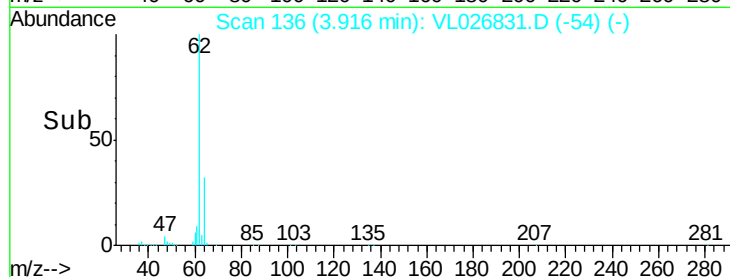
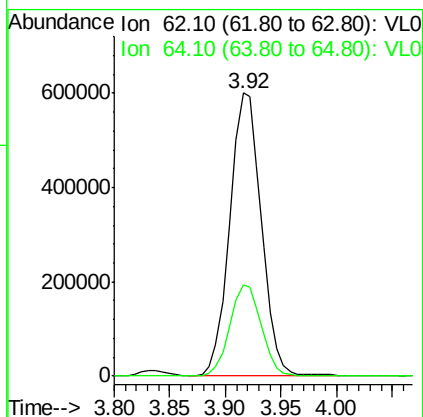
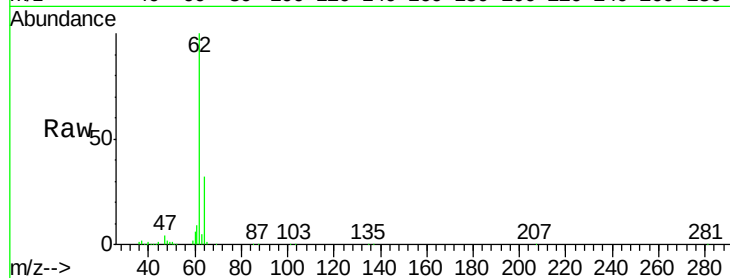
64 32.2 25.8 38.6

Manual Integrations

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2/11/2016 1:23:28 PM



#6

Bromomethane

Concen: 9.89 ppbv

RT: 4.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL026831.D

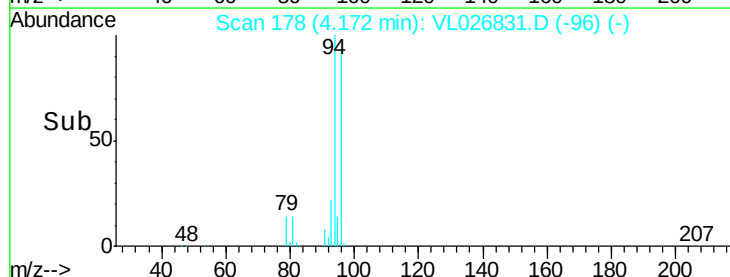
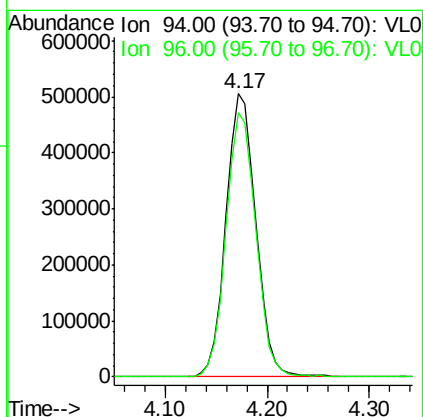
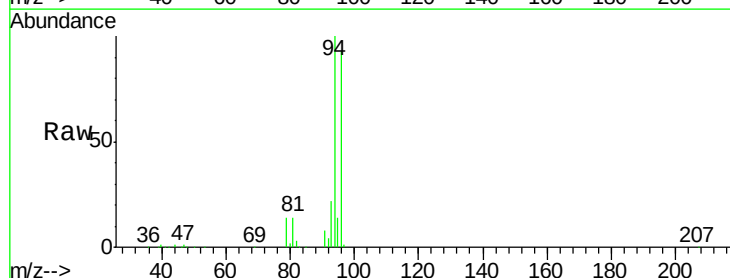
Acq: 9 Feb 2016 22:05

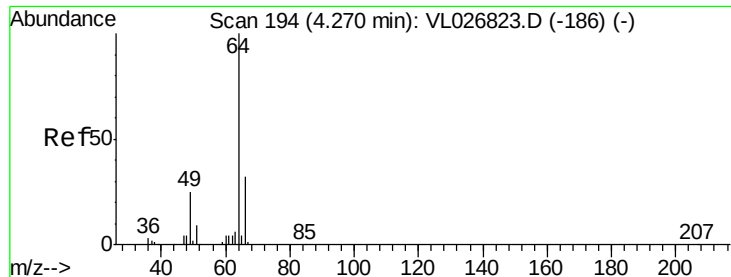
Tgt Ion: 94 Resp: 1026380

Ion Ratio Lower Upper

94 100

96 93.4 73.2 109.8





#7

Chloroethane

Concen: 9.73 ppbv

RT: 4.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 64 Resp: 533782

Ion Ratio Lower Upper

64 100

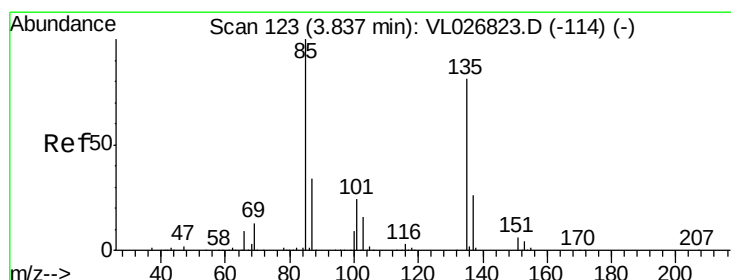
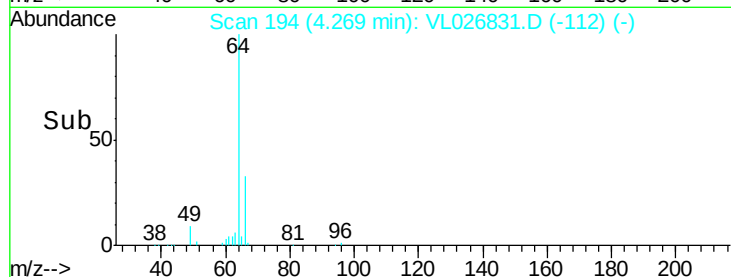
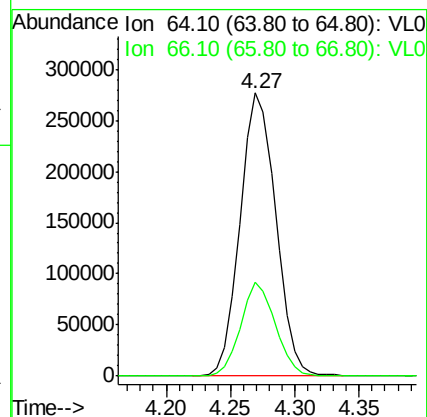
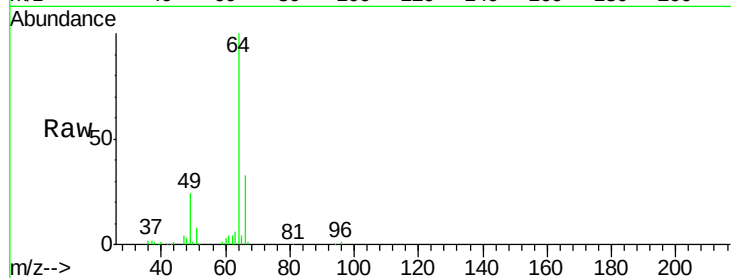
66 33.0 25.4 38.0

Manual Integrations

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2/11/2016 1:23:28 PM



#8

Dichlorotetrafluoroethane

Concen: 9.68 ppbv

RT: 3.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL026831.D

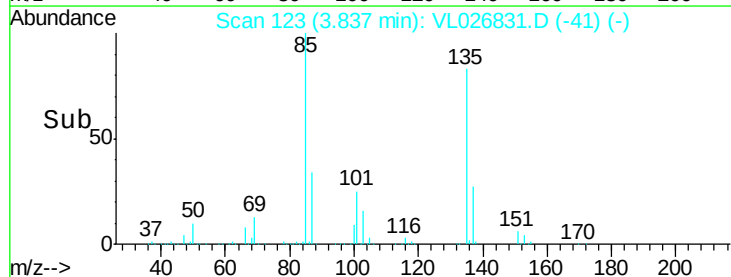
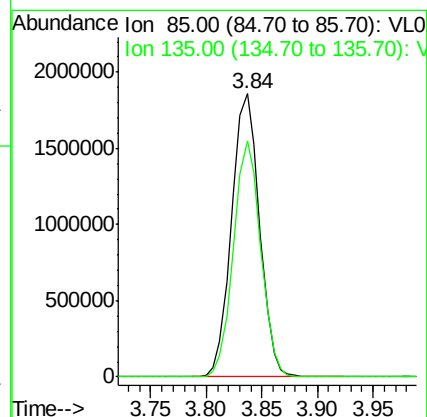
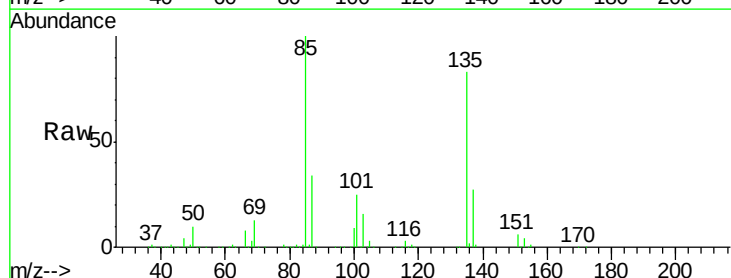
Acq: 9 Feb 2016 22:05

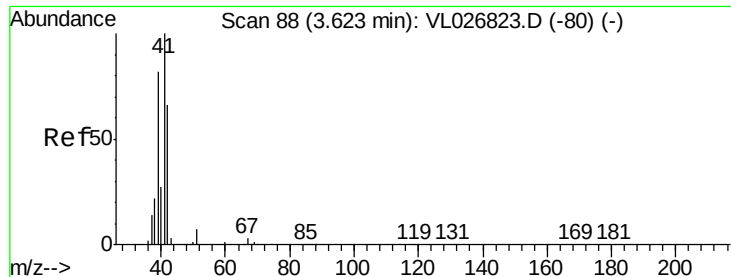
Tgt Ion: 85 Resp: 3218582

Ion Ratio Lower Upper

85 100

135 81.9 63.2 94.8





#9

Propene

Concen: 9.93 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 41 Resp: 753624

Ion Ratio Lower Upper

41 100

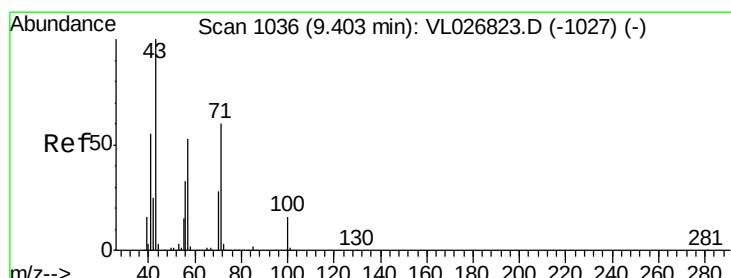
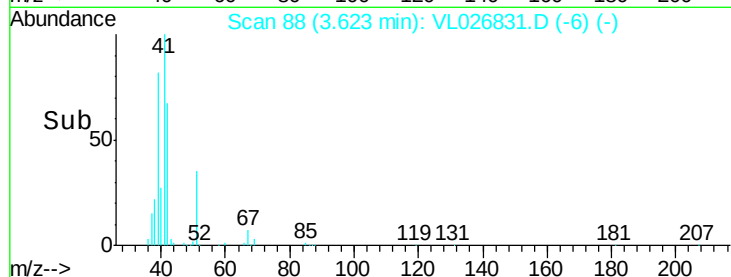
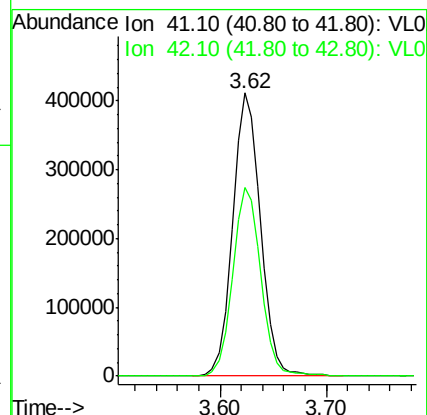
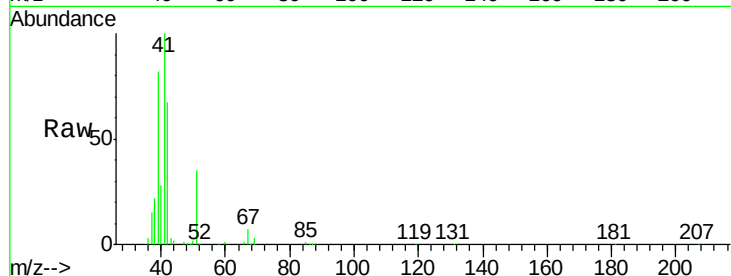
42 67.5 52.8 79.2

Manual Integrations

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#10

Heptane

Concen: 10.68 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VL026831.D

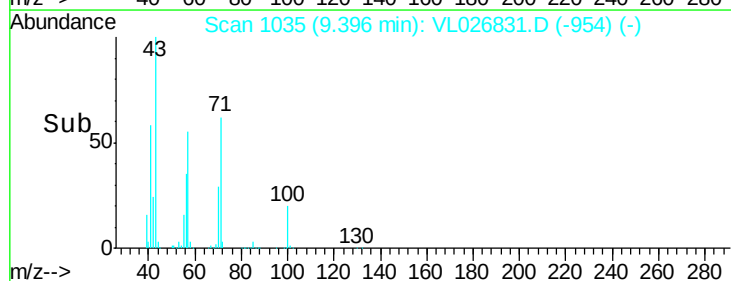
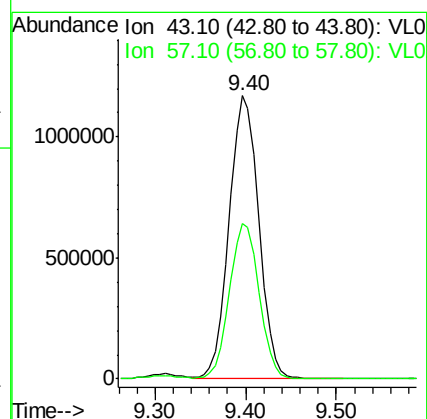
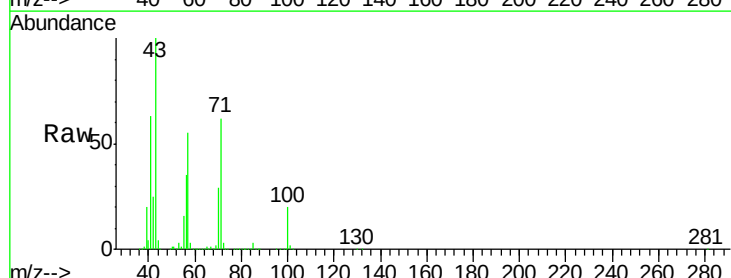
Acq: 9 Feb 2016 22:05

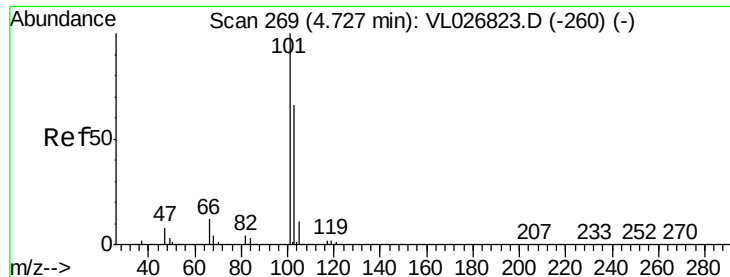
Tgt Ion: 43 Resp: 2653852

Ion Ratio Lower Upper

43 100

57 56.7 44.0 66.0





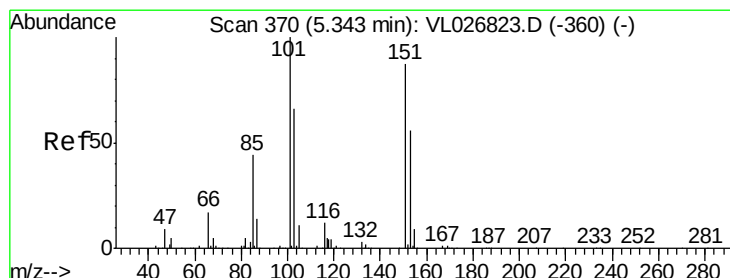
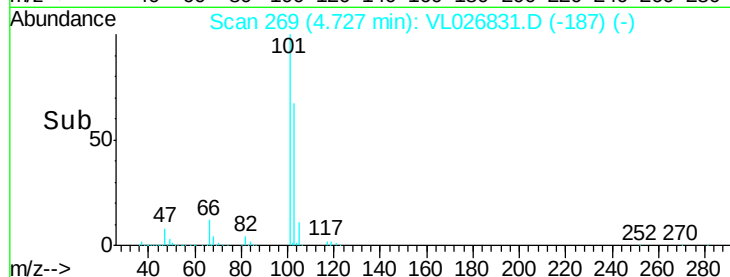
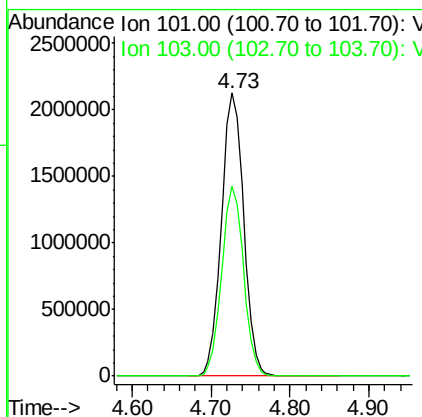
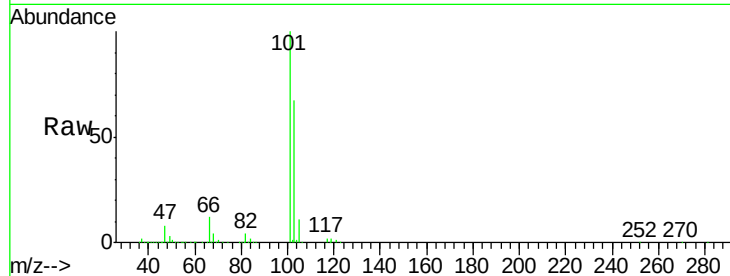
#11
 Trichlorofluoromethane
 Concen: 9.47 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion:101 Resp: 4205369
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.7 79.1

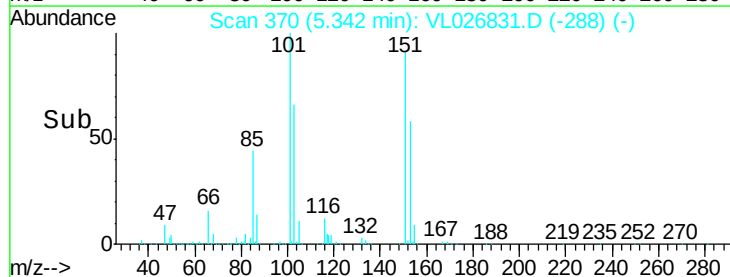
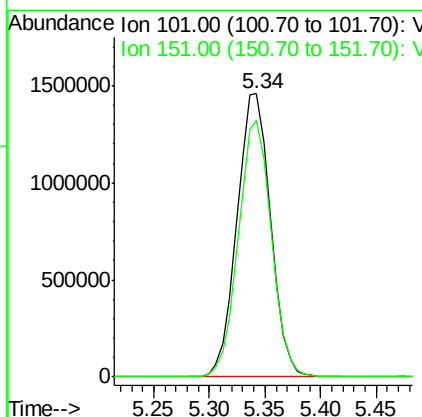
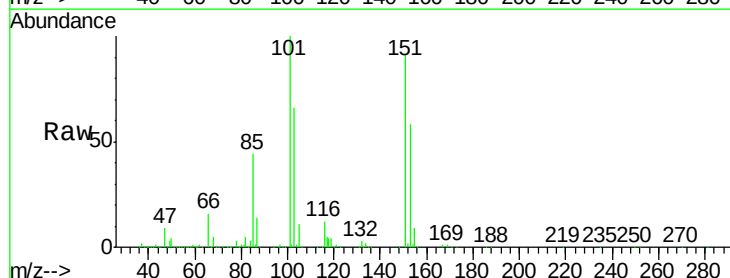
Manual Integrations
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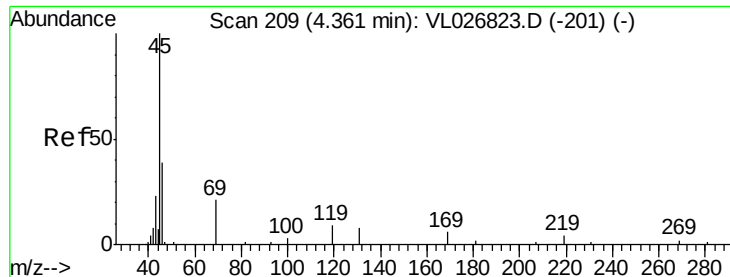
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.74 ppbv
 RT: 5.34 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion:101 Resp: 3061321
 Ion Ratio Lower Upper
 101 100
 151 89.2 69.4 104.0





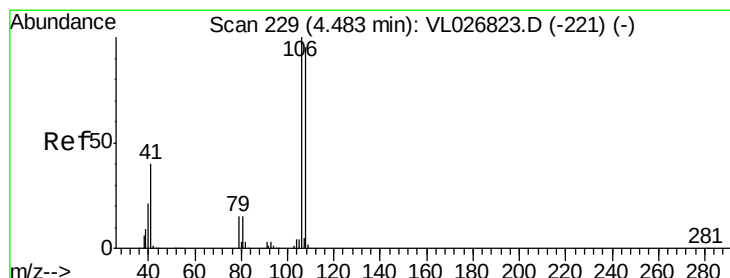
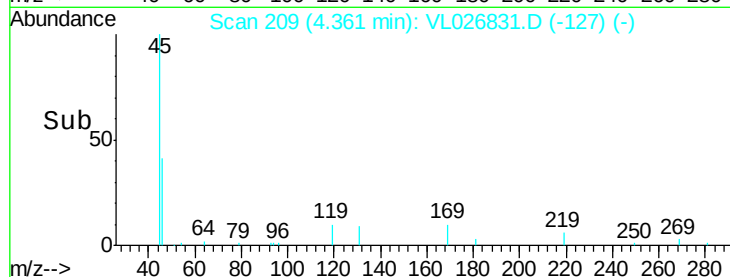
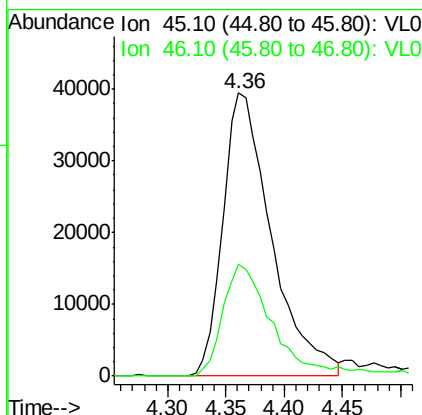
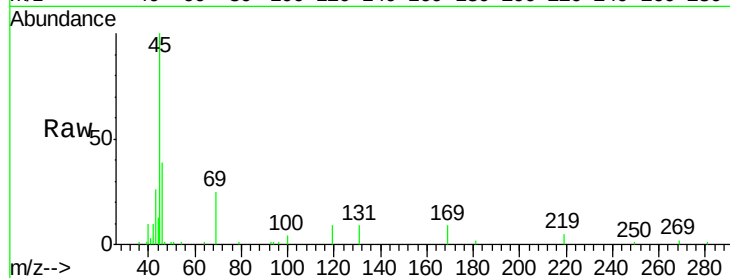
#13
Ethanol
Concen: 8.76 ppbv
RT: 4.36 min Scan# 209
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion	45	Resp	114398
Ion Ratio	100	Lower	Upper
46	41.9	15.8	63.4

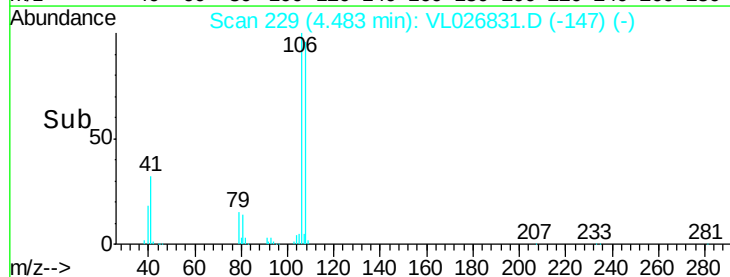
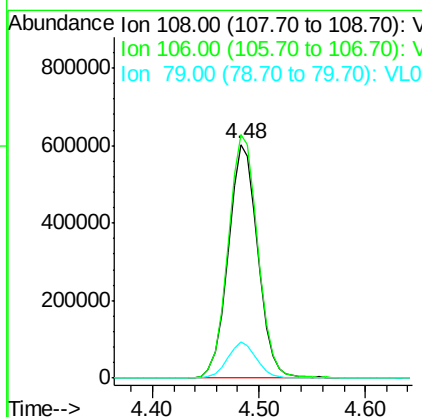
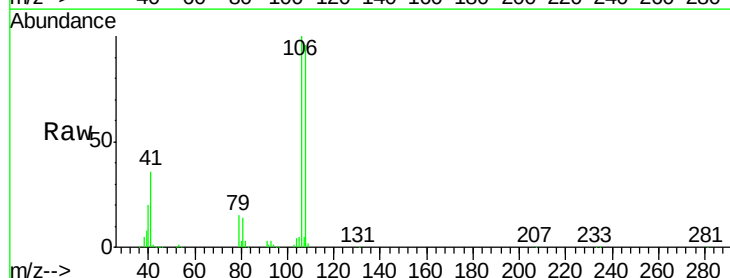
Manual Integrations
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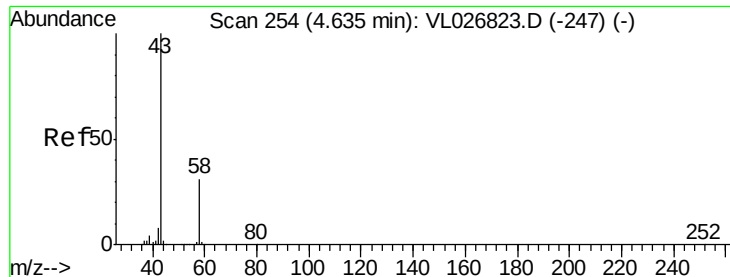
MMDadoda
2/11/2016 1:23:28 PM



#14
Bromoethene
Concen: 10.18 ppbv
RT: 4.48 min Scan# 229
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion	108	Resp	1171540
Ion Ratio	100	Lower	Upper
106	105.5	84.6	126.8
79	15.6	13.4	20.0





#15

Acetone

Concen: 7.56 ppbv

RT: 4.64 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 43 Resp: 1797495

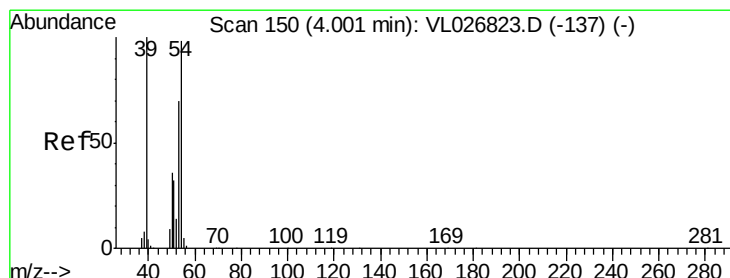
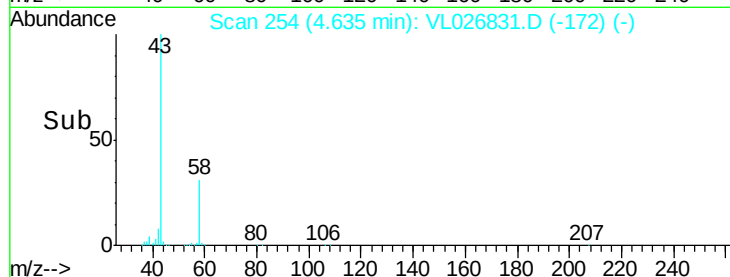
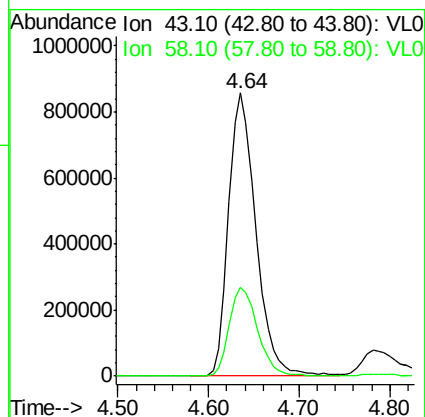
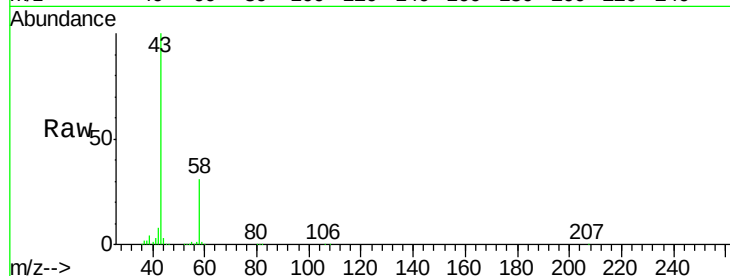
Ion Ratio Lower Upper

43 100

58 32.5 25.2 37.8

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.52 ppbv

RT: 4.00 min Scan# 150

Delta R.T. -0.00 min

Lab File: VL026831.D

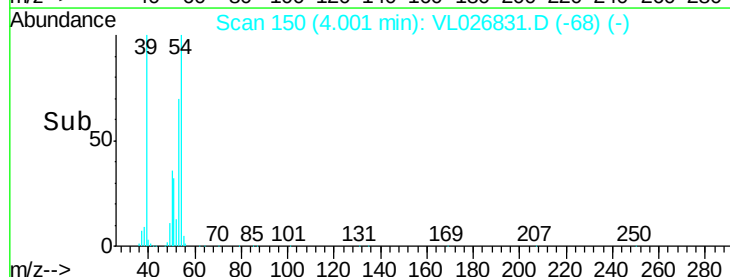
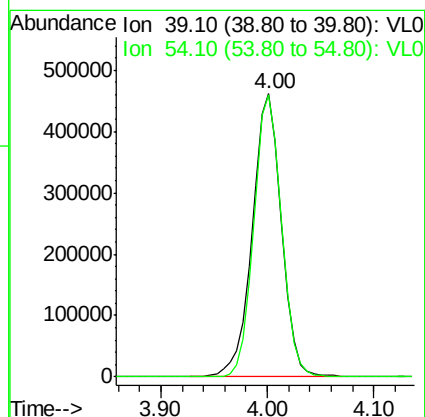
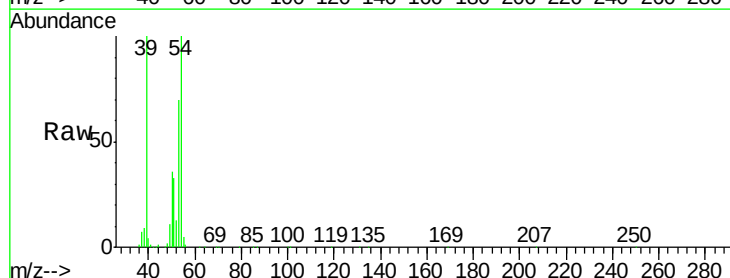
Acq: 9 Feb 2016 22:05

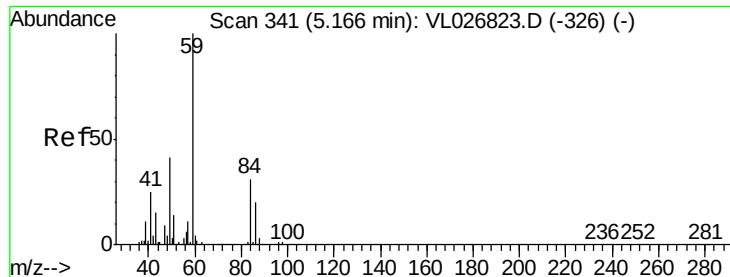
Tgt Ion: 39 Resp: 884636

Ion Ratio Lower Upper

39 100

54 95.4 74.7 112.1





#17

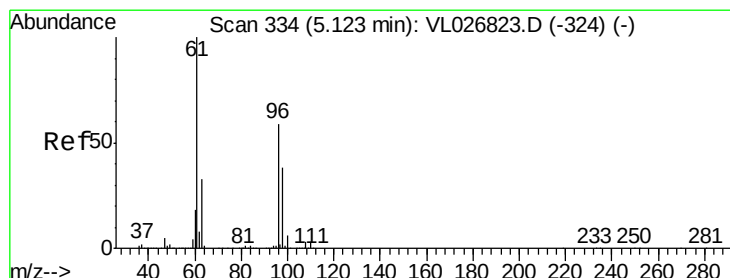
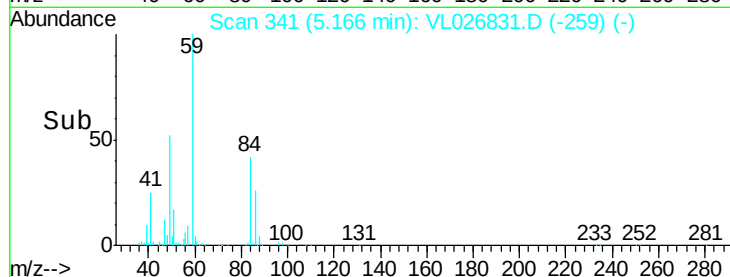
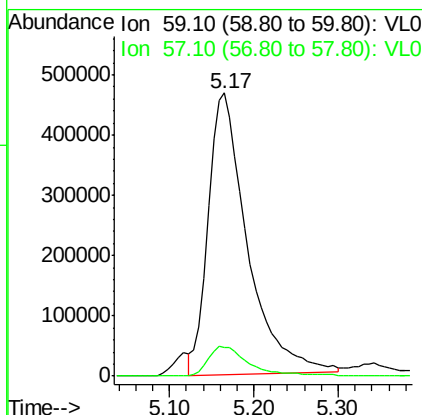
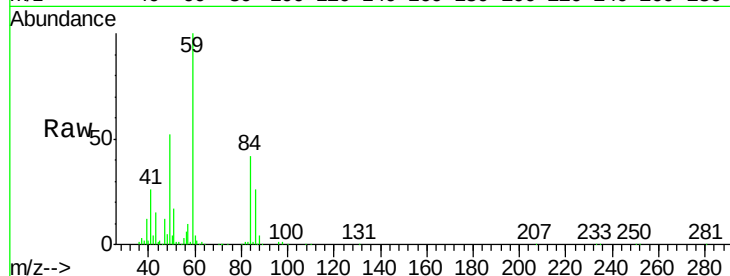
tert-Butyl alcohol
Concen: 9.56 ppbv
RT: 5.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion: 59 Resp: 1501460
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7

Manual Integrations
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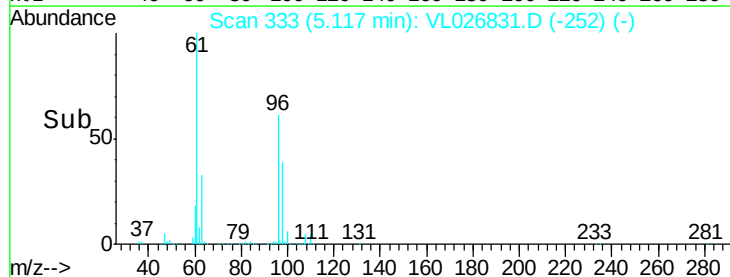
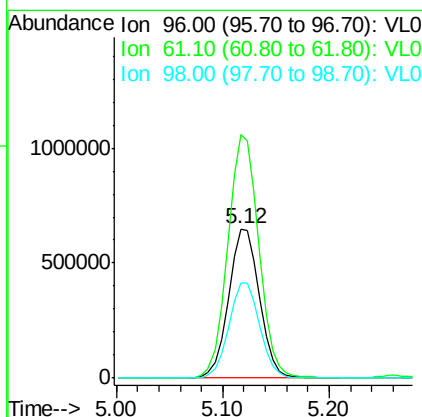
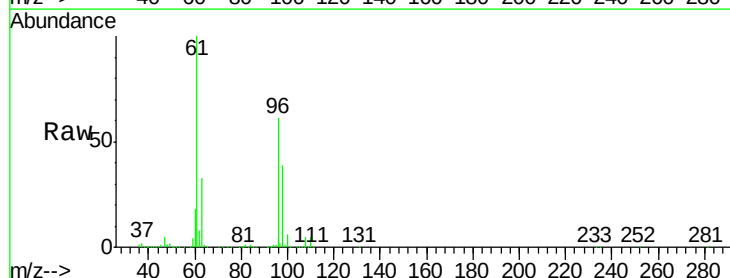
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2/11/2016 1:23:28 PM

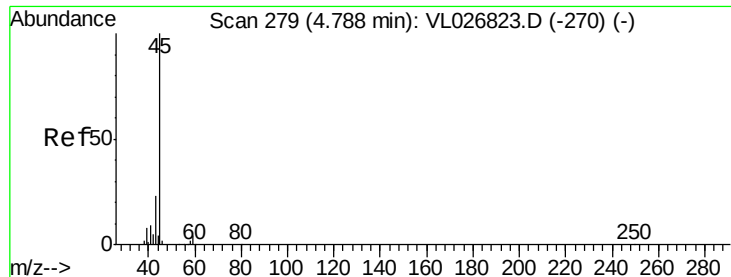


#18

1,1-Dichloroethene
Concen: 10.00 ppbv
RT: 5.12 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 96 Resp: 1316997
Ion Ratio Lower Upper
96 100
61 163.4 136.7 205.1
98 64.2 52.1 78.1





#19

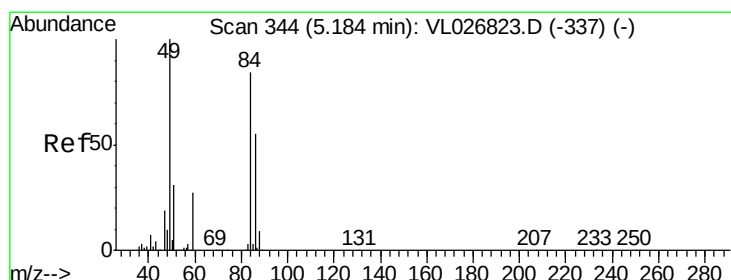
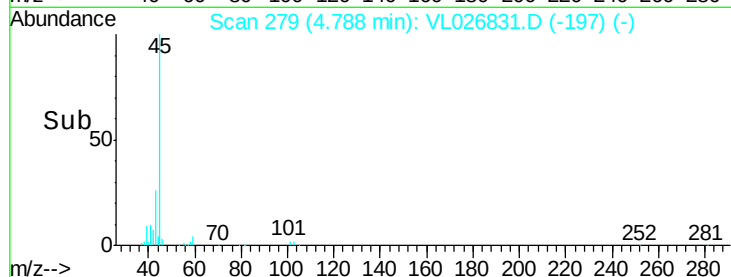
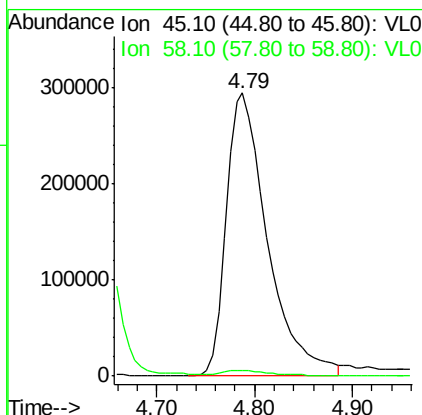
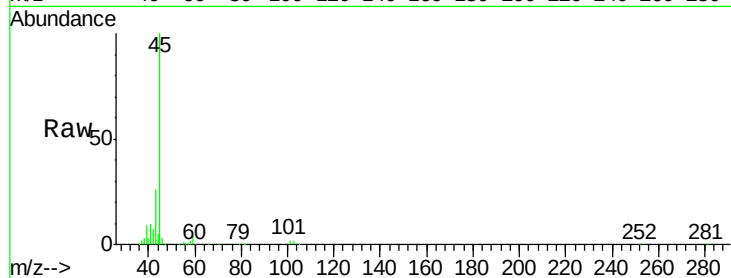
Isopropyl Alcohol
 Concen: 10.07 ppbv
 RT: 4.79 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	2.2	3.2

Manual Integrations
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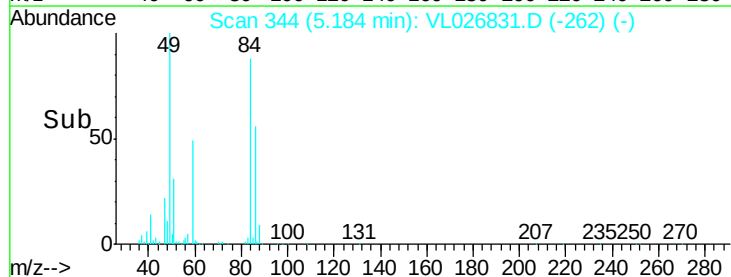
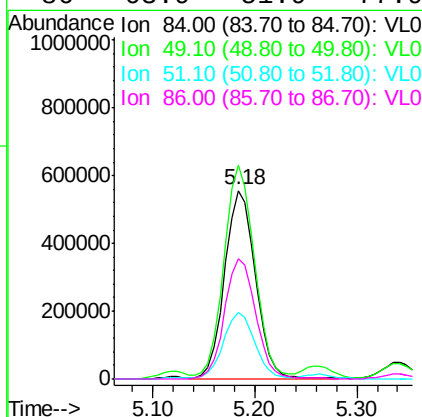
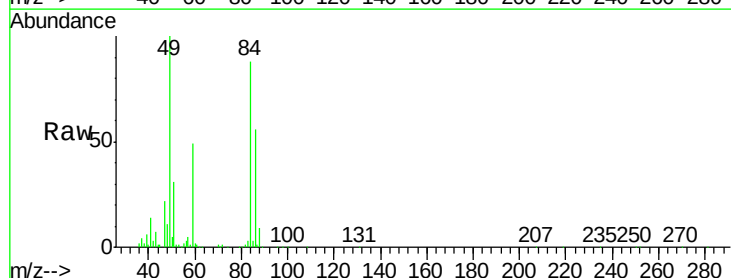
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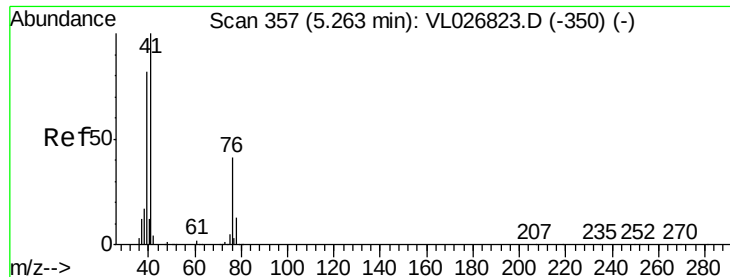


#20

Methylene Chloride
 Concen: 9.49 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	94.9	142.3
51	34.7	29.5	44.3
86	63.9	51.9	77.9





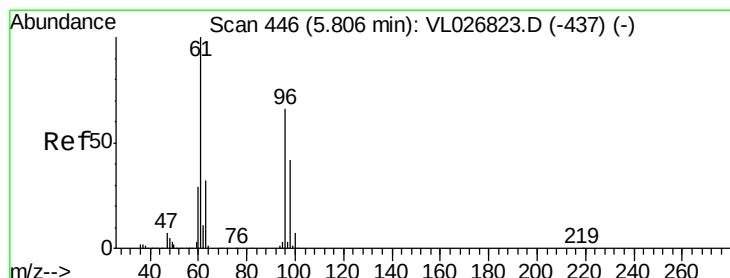
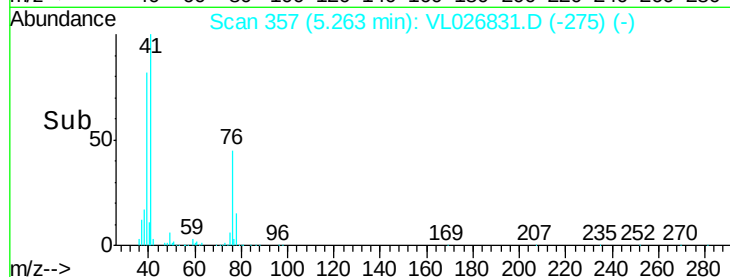
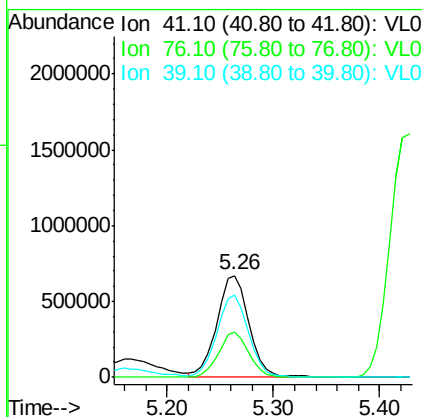
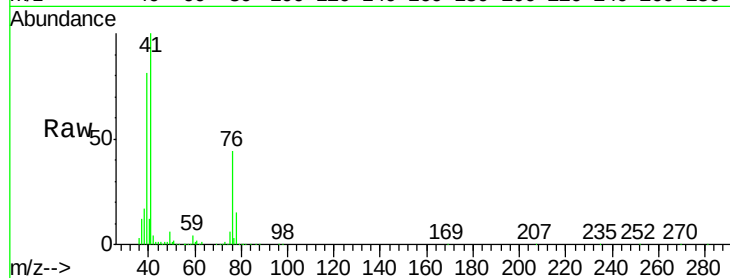
#21
Allvl Chloride
Concen: 9.45 ppbv
RT: 5.26 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion: 41 Resp: 1387538
Ion Ratio Lower Upper
41 100
76 42.8 32.0 48.0
39 80.5 64.6 96.8

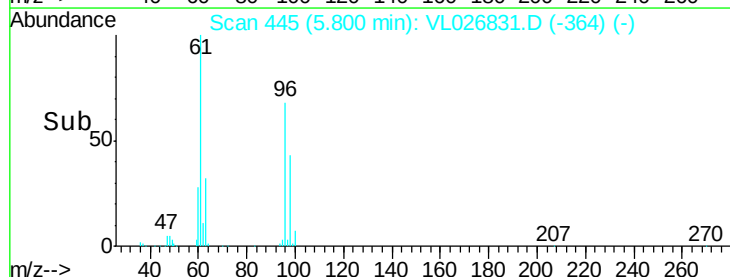
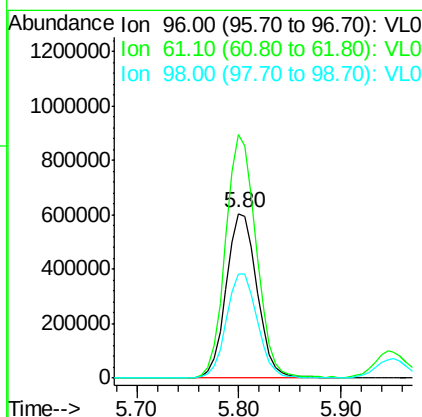
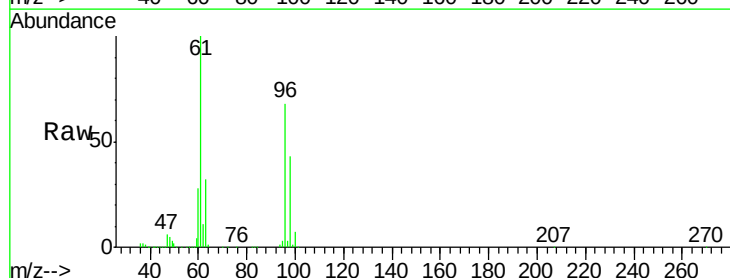
Manual Integrations
APPROVED

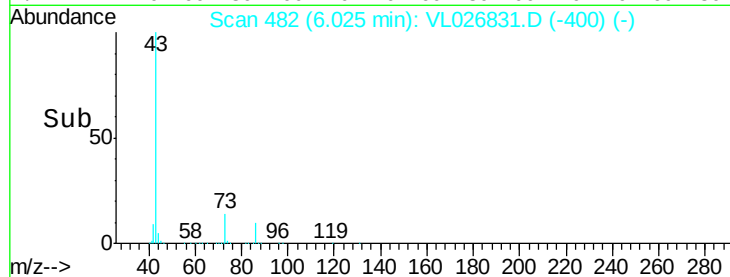
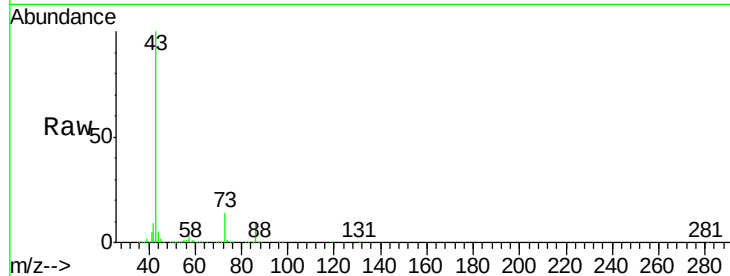
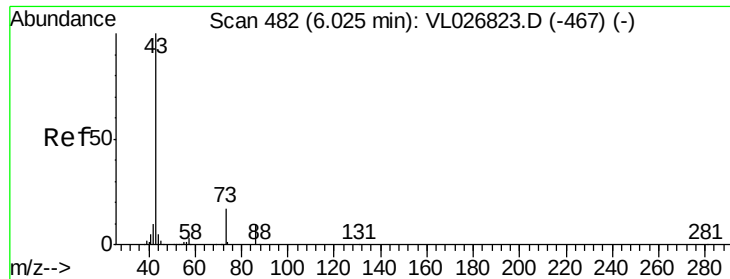
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#22
trans-1,2-Dichloroethene
Concen: 10.66 ppbv
RT: 5.80 min Scan# 445
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 96 Resp: 1266317
Ion Ratio Lower Upper
96 100
61 147.8 121.6 182.4
98 63.3 50.6 76.0





#23

Vinyl Acetate

Concen: 10.34 ppbv

RT: 6.03 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tot Ion: 43 Resp: 3335869

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5

42 9.1 7.8 11.8

44 5.0 3.9 5.9

Instrument :

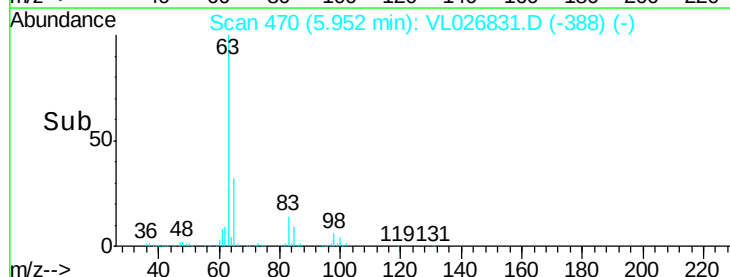
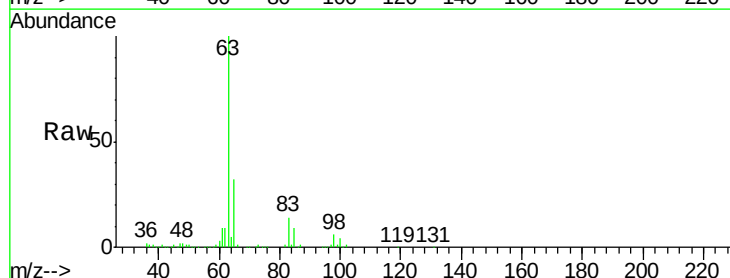
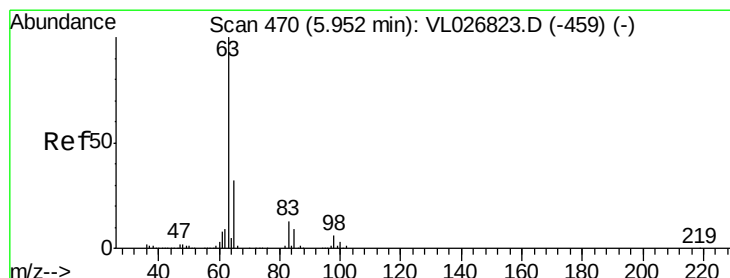
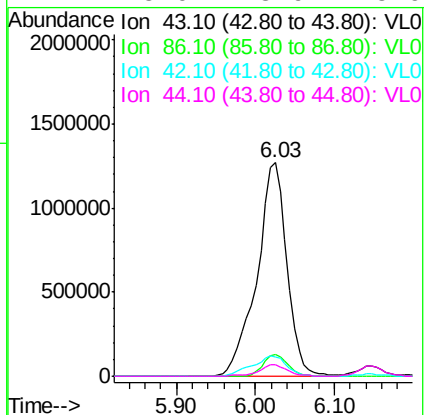
MSVOA_L

ClientSampleId :

ICVVL020916

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.95 ppbv

RT: 5.95 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

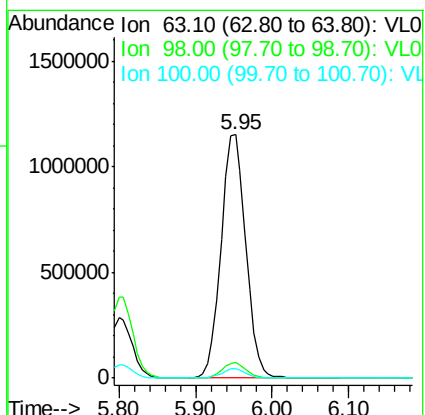
Tgt Ion: 63 Resp: 2565681

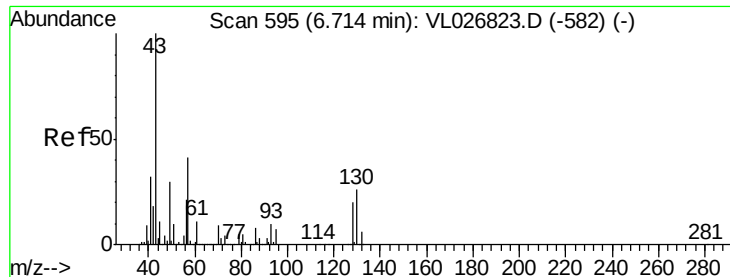
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.0 1.7 5.1





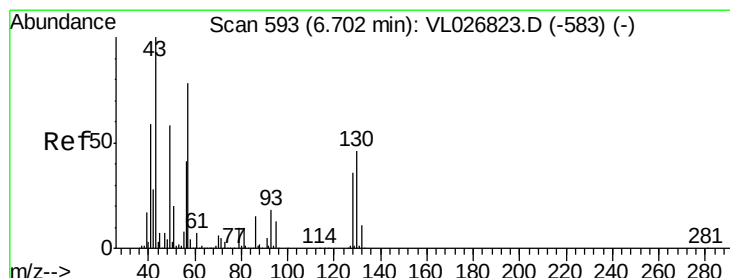
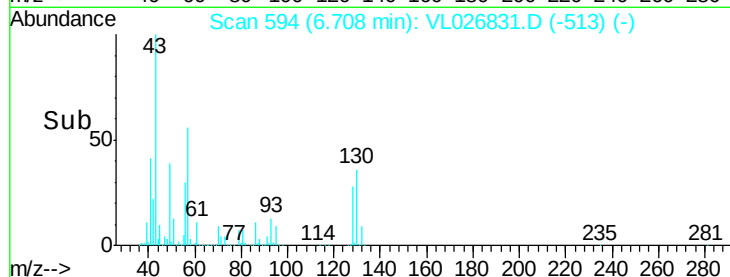
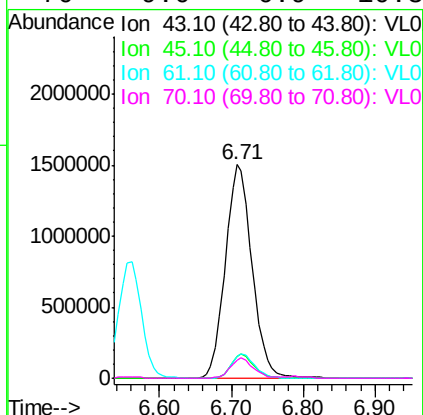
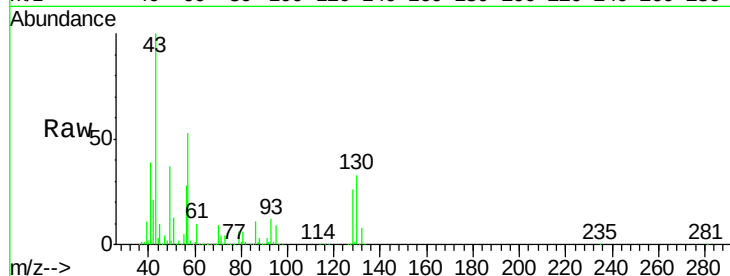
#25
Ethyl Acetate
Concen: 10.77 ppbv
RT: 6.71 min Scan# 594
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion	43	Resp	3845318
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	10.3	7.9	11.9
70	9.0	6.9	10.3

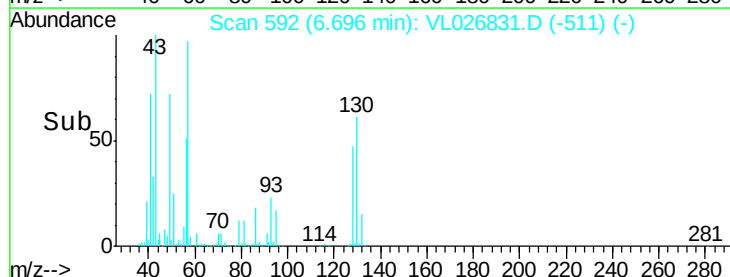
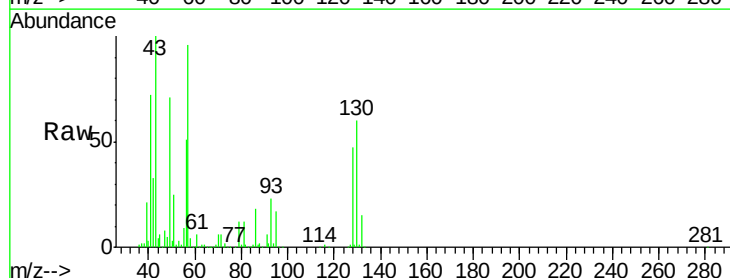
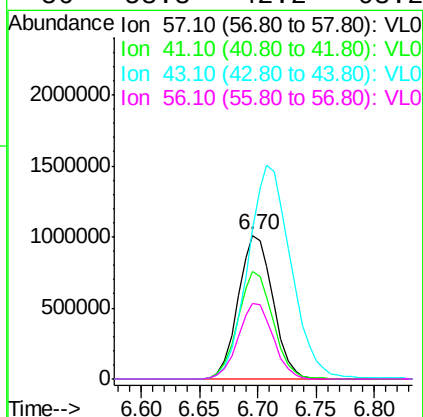
Manual Integrations
APPROVED

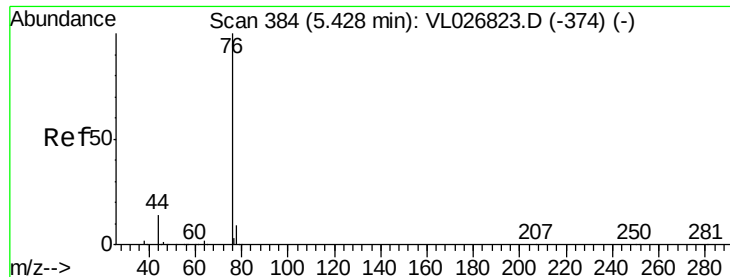
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2/11/2016 1:23:28 PM



#26
Hexane
Concen: 10.41 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion	57	Resp	2093720
Ion	Ratio	Lower	Upper
57	100		
41	76.3	63.3	94.9
43	184.8	151.4	227.2
56	53.3	42.2	63.2





#27

Carbon Disulfide

Concen: 10.15 ppbv

RT: 5.43 min Scan# 384

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 76 Resp: 3518605

Ion Ratio Lower Upper

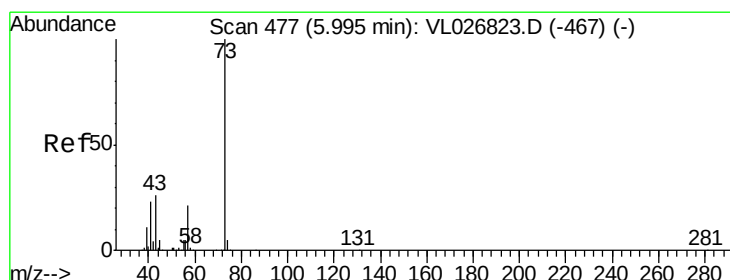
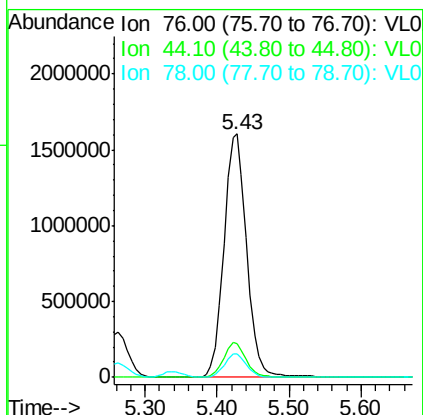
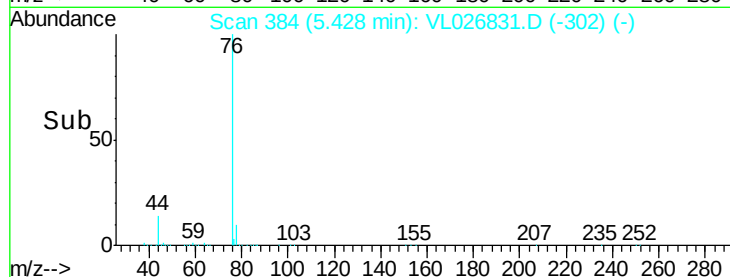
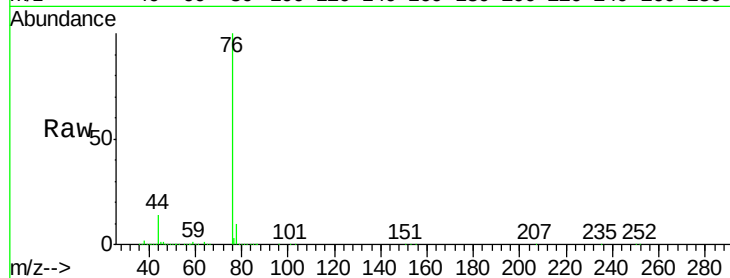
76 100

44 13.7 12.1 18.1

78 9.5 7.7 11.5

Manual Integrations
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2/11/2016 1:23:28 PM



#28

Methyl tert-Butyl Ether

Concen: 10.66 ppbv

RT: 5.99 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL026831.D

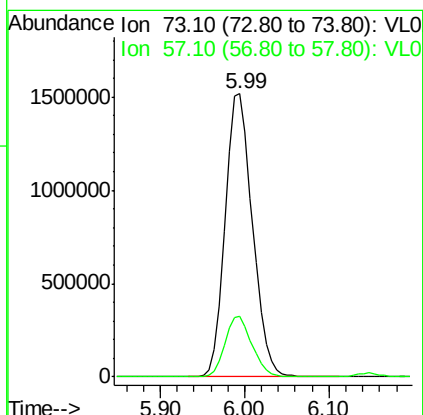
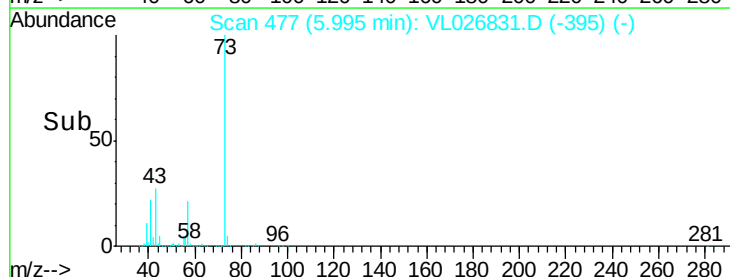
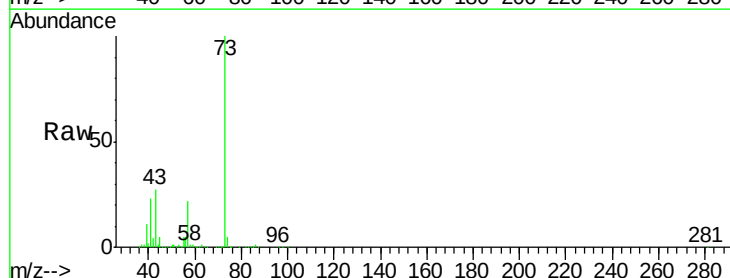
Acq: 9 Feb 2016 22:05

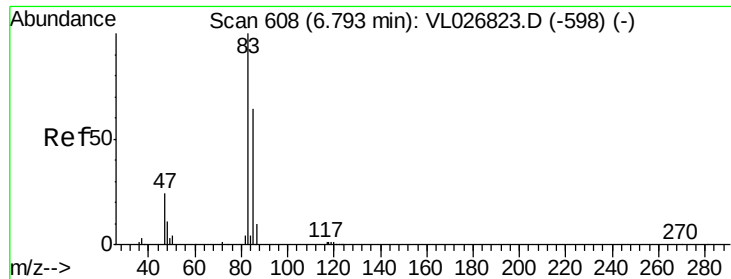
Tgt Ion: 73 Resp: 3352499

Ion Ratio Lower Upper

73 100

57 21.2 17.0 25.6





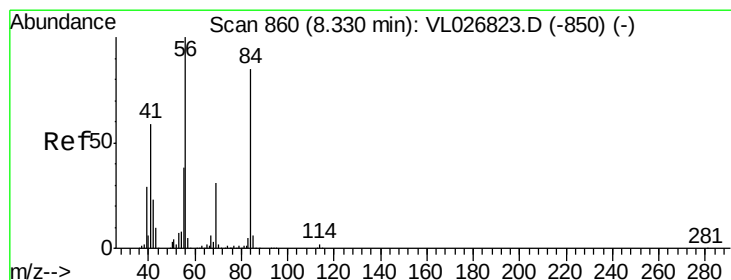
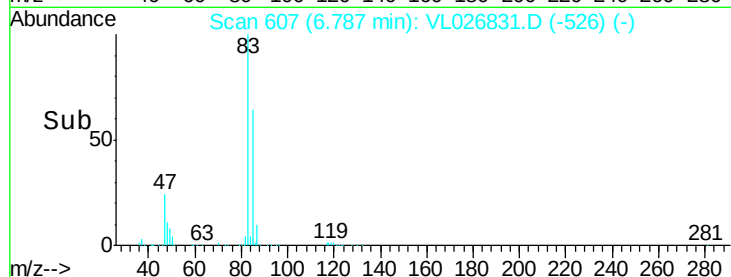
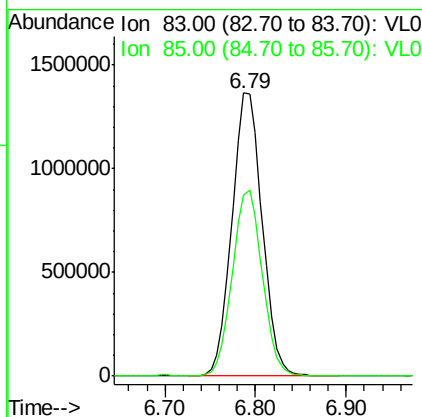
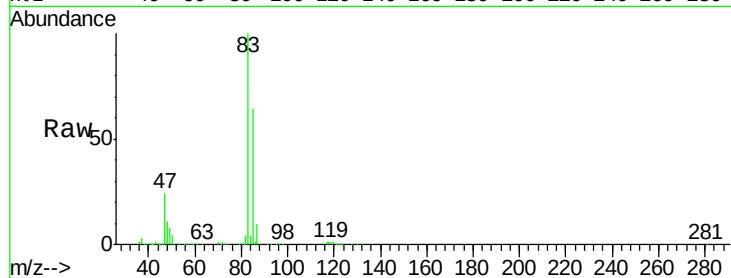
#29
Chloroform
Concen: 10.12 ppbv
RT: 6.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion: 83 Resp: 3168996
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3

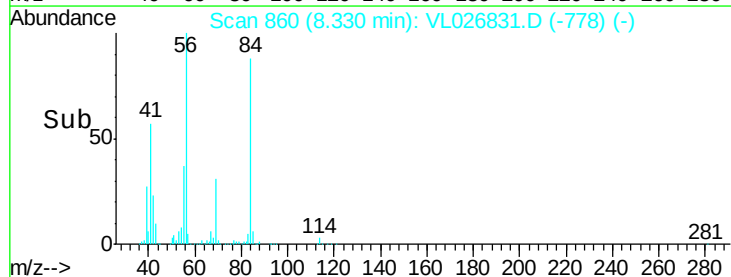
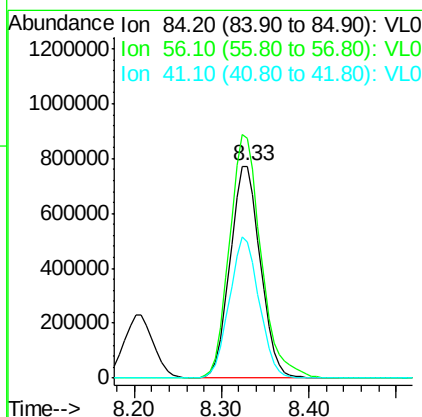
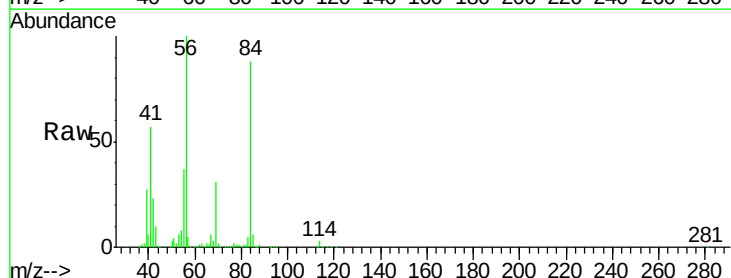
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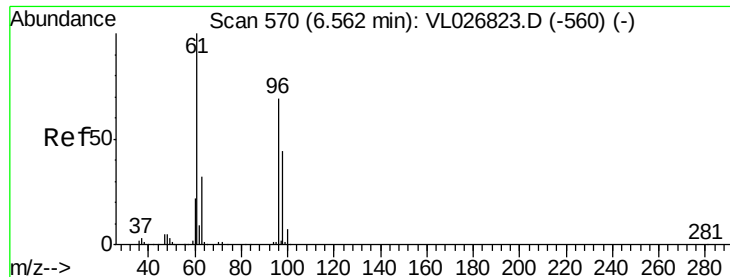
MMDadoda
2/11/2016 1:23:28 PM



#30
Cyclohexane
Concen: 11.33 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 84 Resp: 1854293
Ion Ratio Lower Upper
84 100
56 120.2 99.4 149.2
41 65.9 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 10.85 ppbv

RT: 6.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tot Ion:	61	Resp:	1821825
Ion	Ratio	Lower	Upper
61	100		
96	74.1	55.2	82.8
98	47.9	35.2	52.8

Instrument :

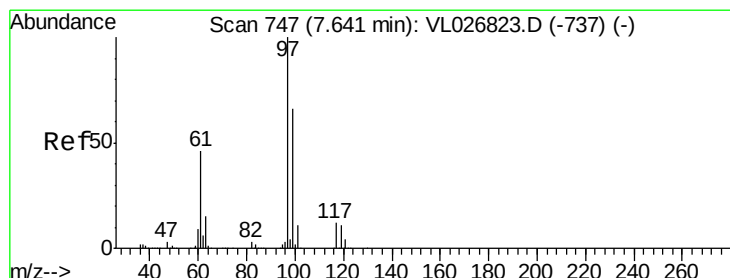
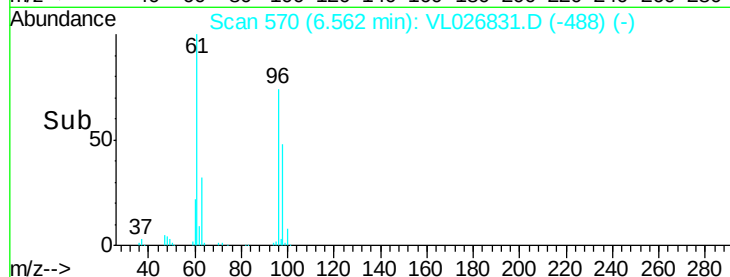
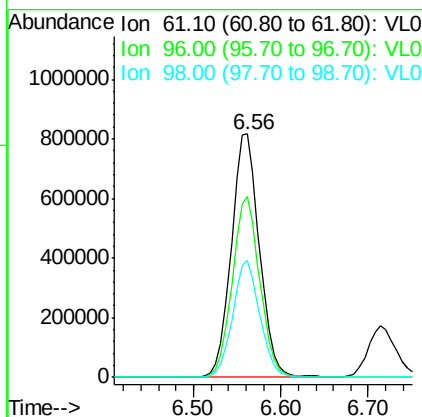
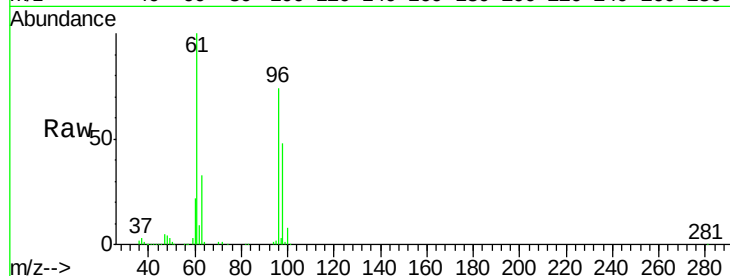
MSVOA_L

ClientSampleId :

ICVVL020916

Manual Integrations
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2/11/2016 1:23:28 PM



#32

1,1,1-Trichloroethane

Concen: 10.17 ppbv

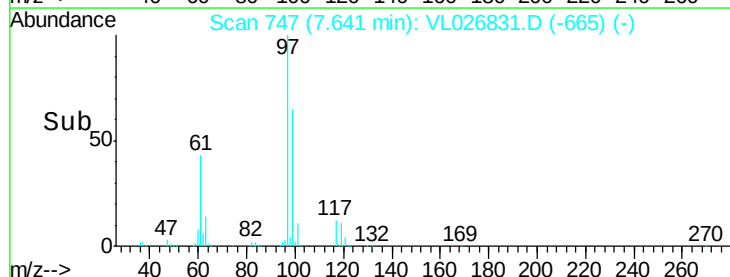
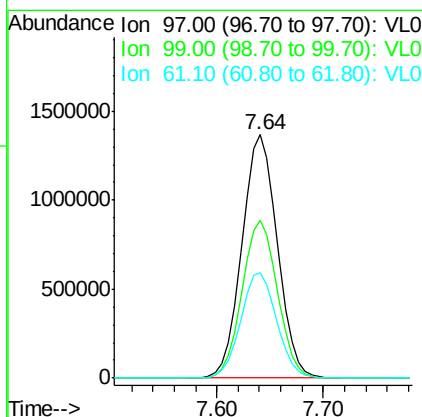
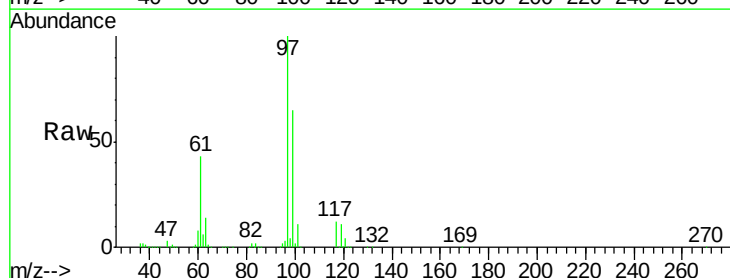
RT: 7.64 min Scan# 747

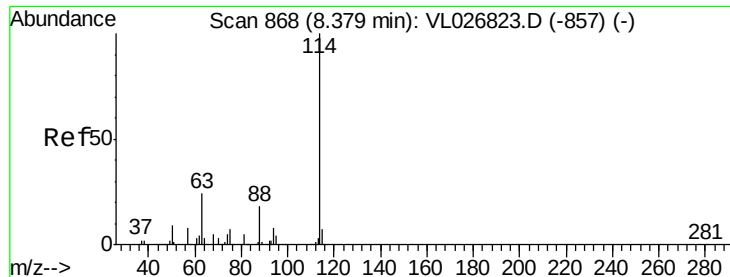
Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion:	97	Resp:	3203817
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.1	36.2	54.4





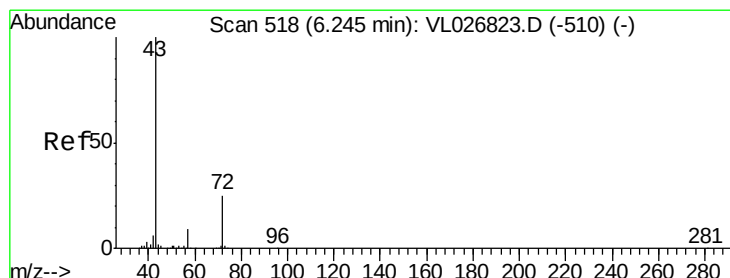
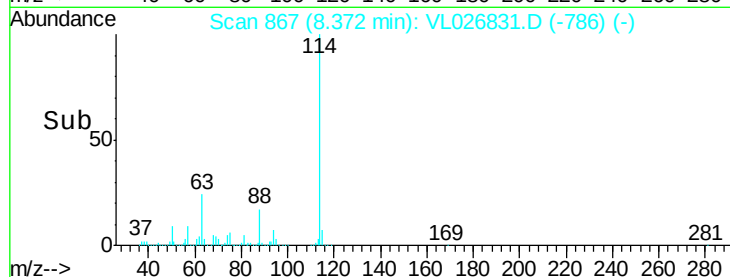
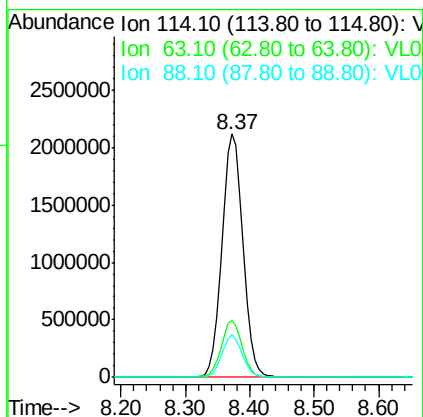
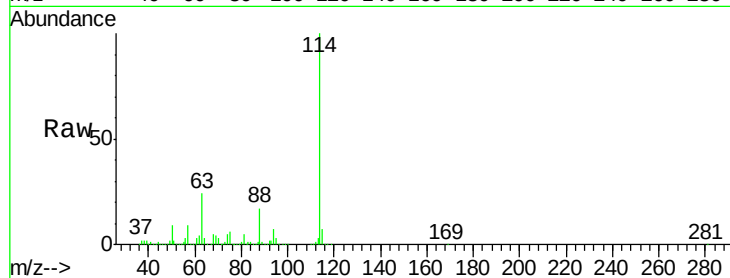
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion:114 Resp: 4894103
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.7 29.5
 88 16.8 13.8 20.6

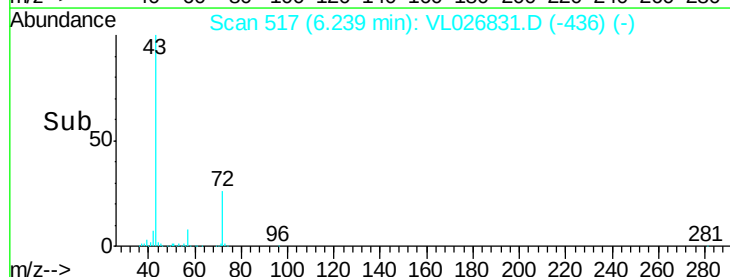
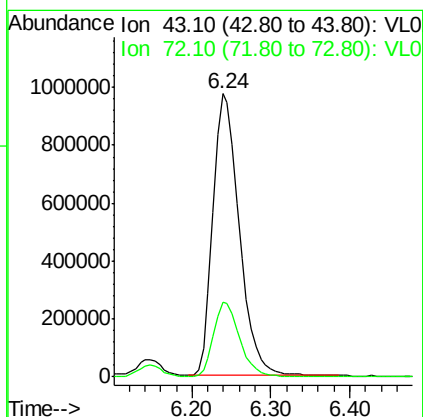
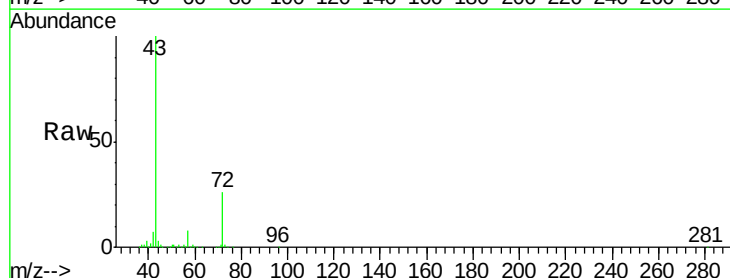
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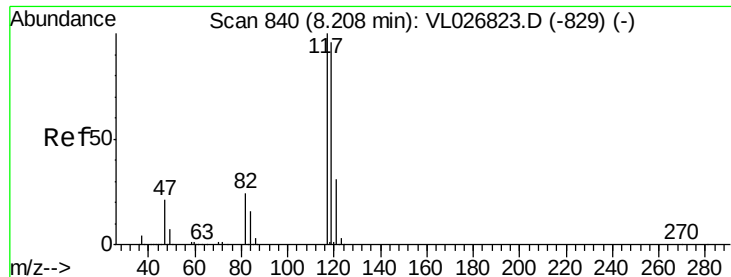
MMDadoda
 2/11/2016 1:23:28 PM



#34
 2-Butanone
 Concen: 9.46 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion: 43 Resp: 2268954
 Ion Ratio Lower Upper
 43 100
 72 26.5 19.8 29.8





#35

Carbon Tetrachloride

Concen: 9.87 ppbv

RT: 8.21 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

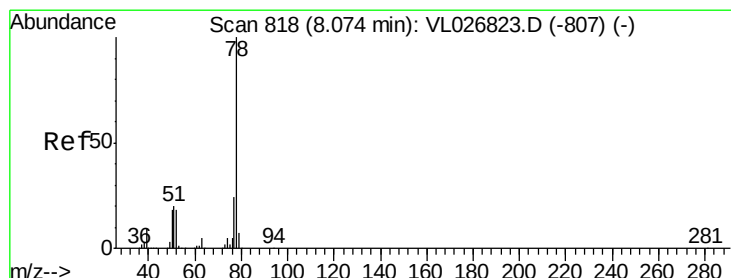
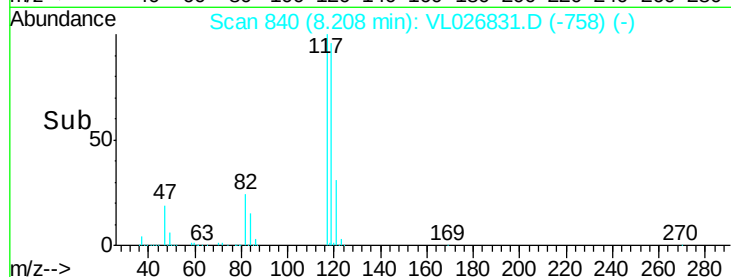
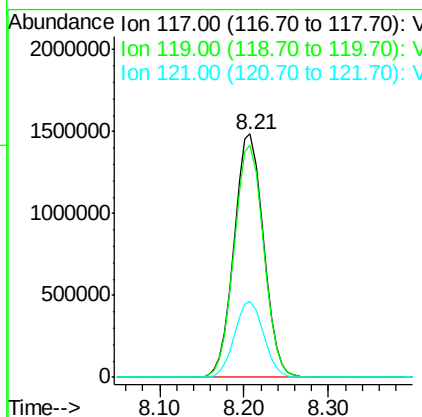
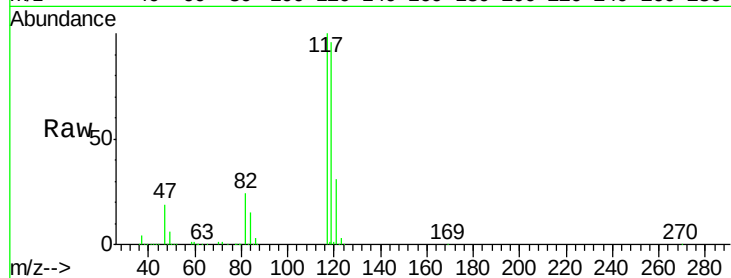
ICVVL020916

Tot Ion:117 Resp: 3511537

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	31.1	25.0	37.4

Manual Integrations
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#36

Benzene

Concen: 10.50 ppbv

RT: 8.07 min Scan# 817

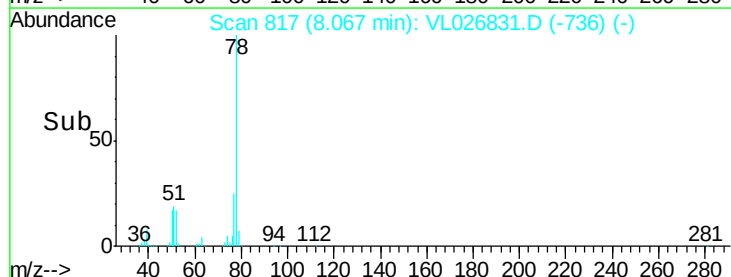
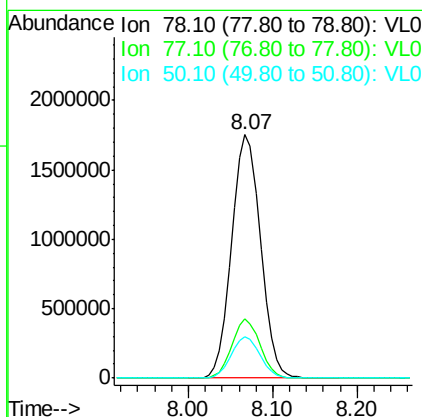
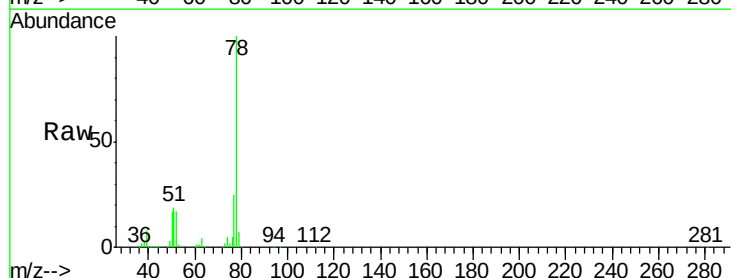
Delta R.T. -0.01 min

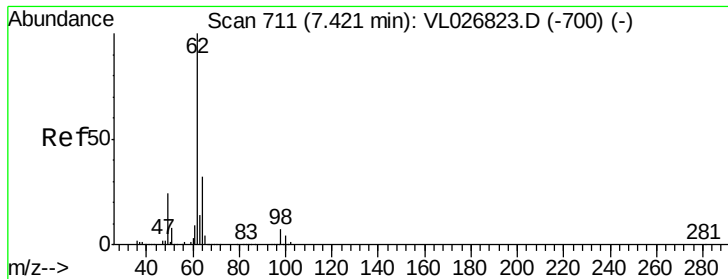
Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion: 78 Resp: 4078482

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6
50	17.1	14.2	21.4





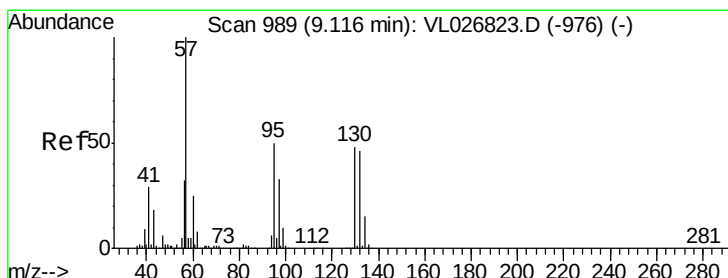
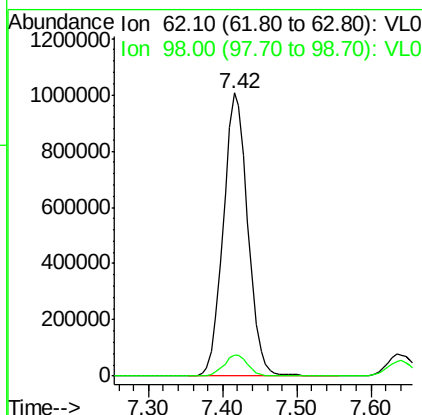
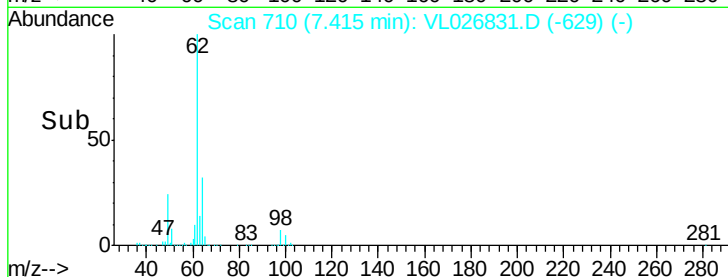
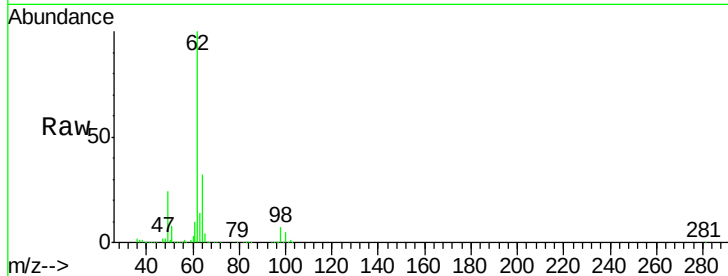
#37
 1,2-Dichloroethane
 Concen: 9.49 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion: 62 Resp: 2308137
 Ion Ratio Lower Upper
 62 100
 98 7.5 5.4 8.2

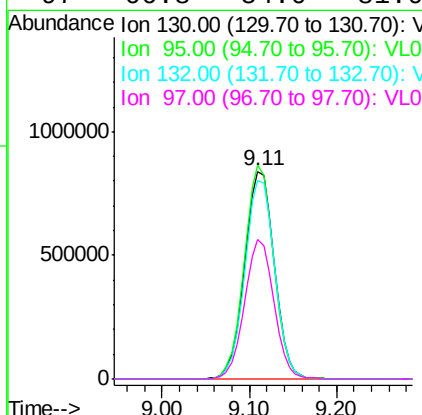
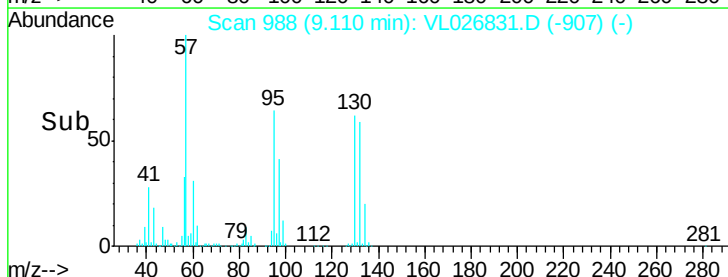
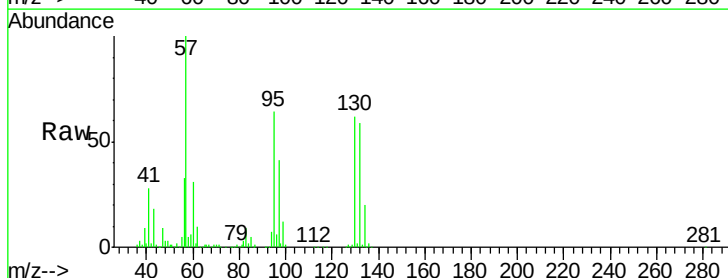
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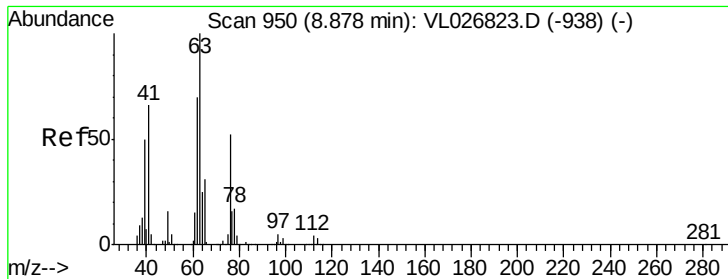
MMDadoda
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#38
 Trichloroethene
 Concen: 11.11 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion: 130 Resp: 1988221
 Ion Ratio Lower Upper
 130 100
 95 102.7 83.0 124.6
 132 95.4 76.0 114.0
 97 66.8 54.0 81.0





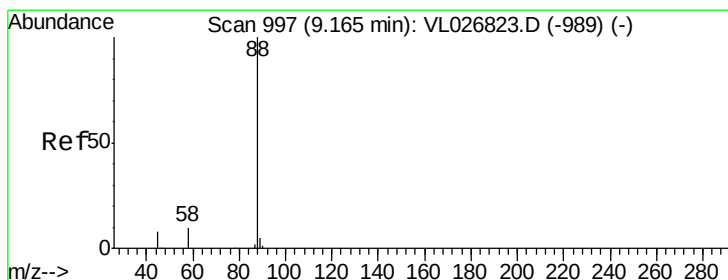
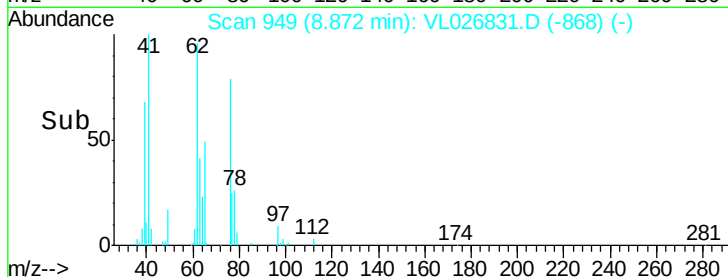
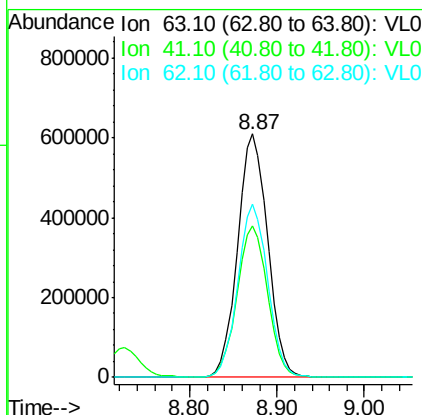
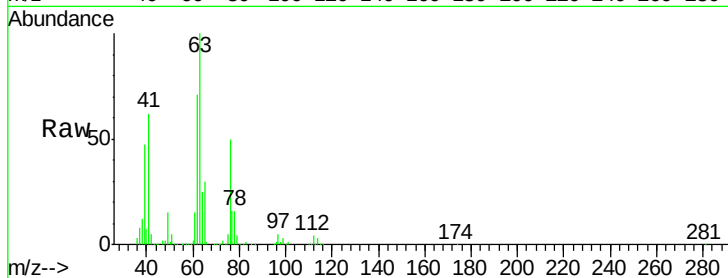
#39
 1,2-Dichloropropane
 Concen: 9.95 ppbv
 RT: 8.87 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion: 63 Resp: 1460639
 Ion Ratio Lower Upper
 63 100
 41 62.2 53.2 79.8
 62 70.9 56.0 84.0

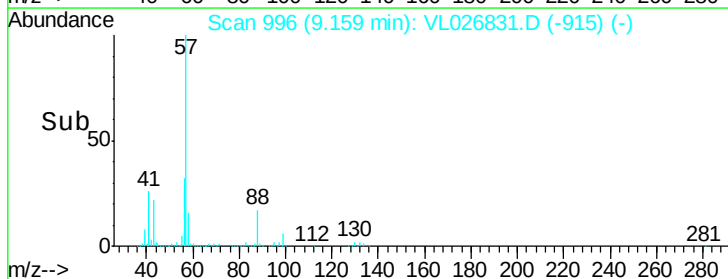
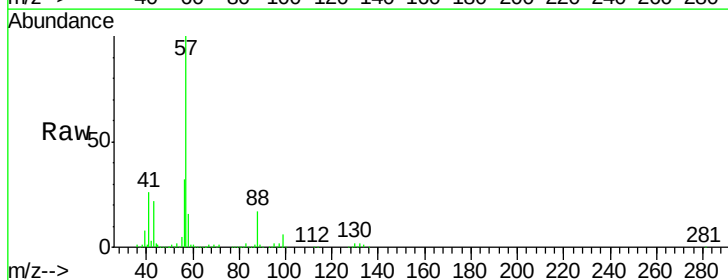
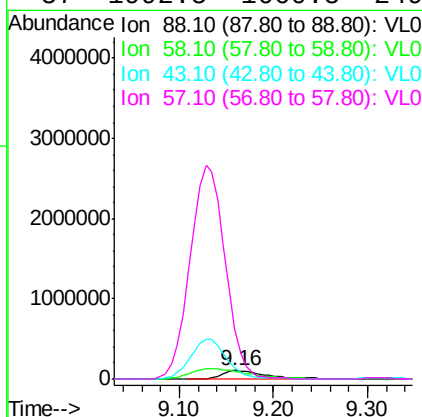
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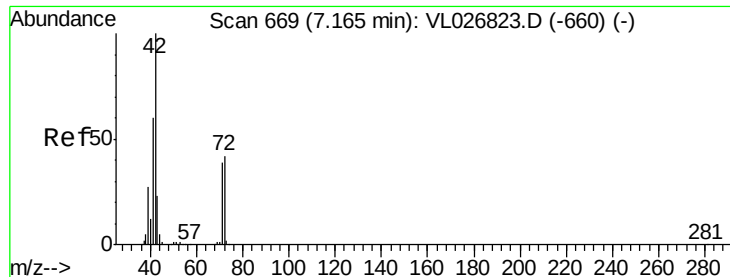
MMDadoda
 2/11/2016 1:23:28 PM



#40
 1,4-Dioxane
 Concen: 13.30 ppbv
 RT: 9.16 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion: 88 Resp: 346410
 Ion Ratio Lower Upper
 88 100
 58 164.2 135.6 203.4
 43 387.4 332.3 498.5
 57 1992.5 1660.5 2490.7





#41

Tetrahydrofuran

Concen: 10.82 ppbv

RT: 7.17 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 42 Resp: 1277268

Ion Ratio Lower Upper

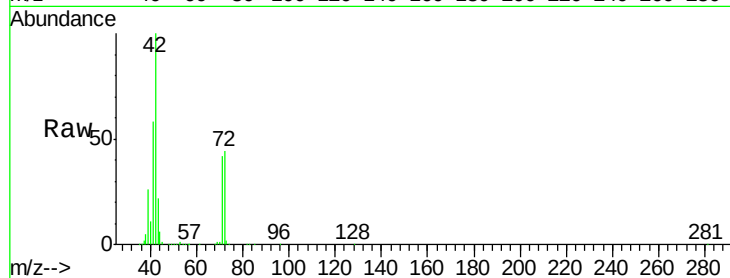
42 100

72 44.0 33.4 50.0

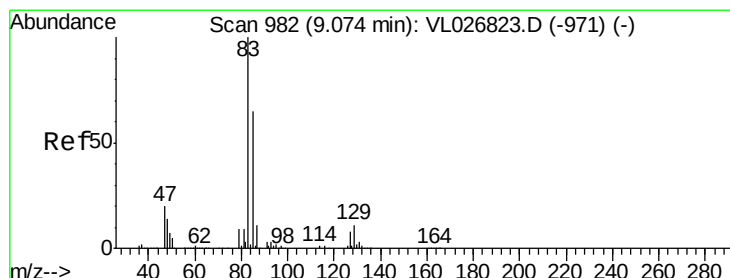
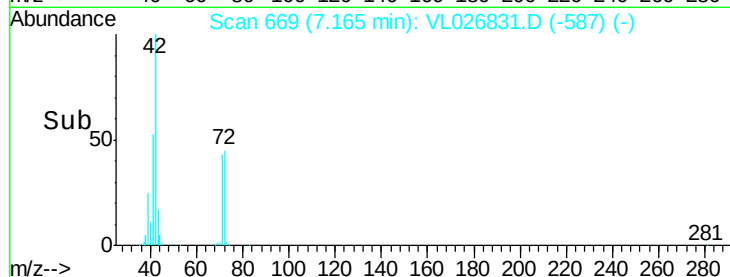
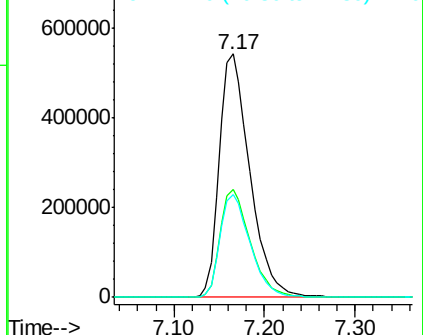
71 41.9 32.1 48.1

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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.24 ppbv

RT: 9.07 min Scan# 981

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

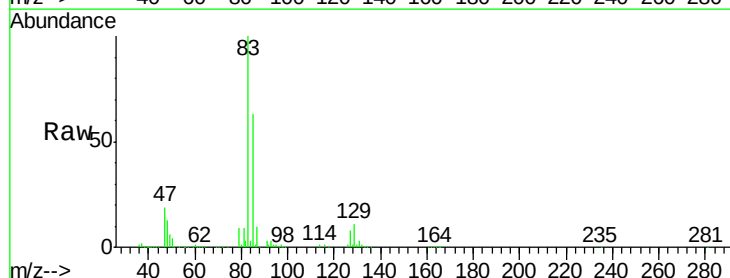
Tgt Ion: 83 Resp: 3350465

Ion Ratio Lower Upper

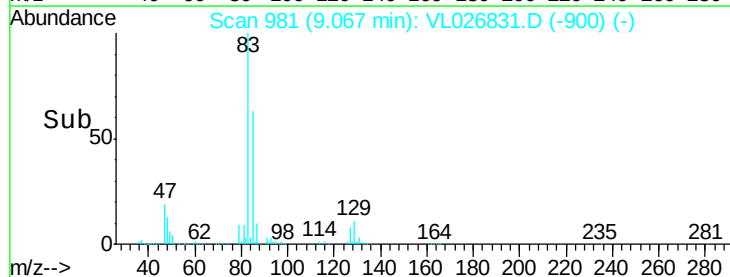
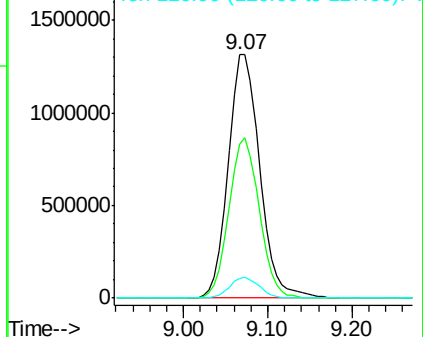
83 100

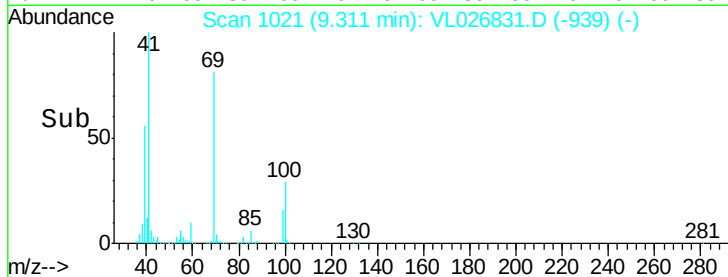
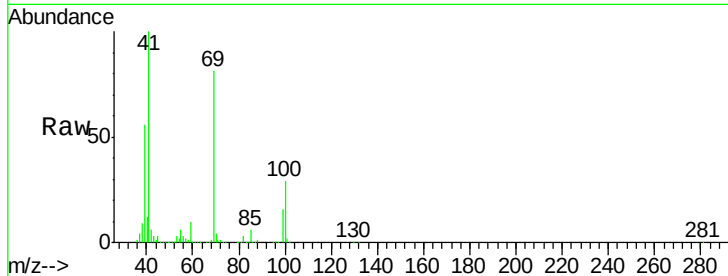
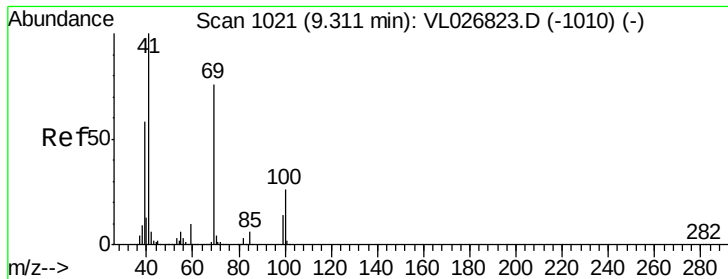
85 63.5 51.8 77.6

127 8.1 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





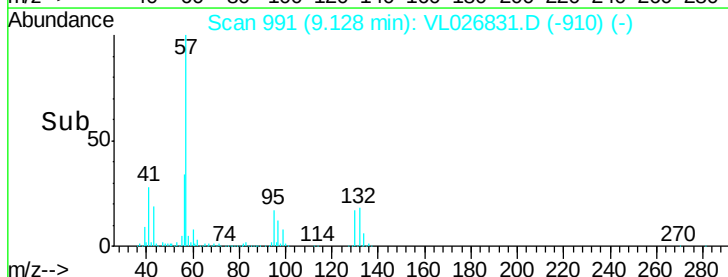
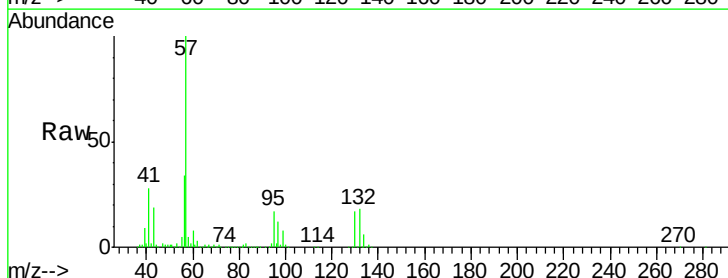
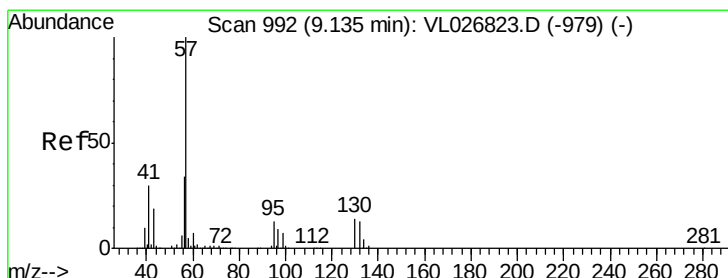
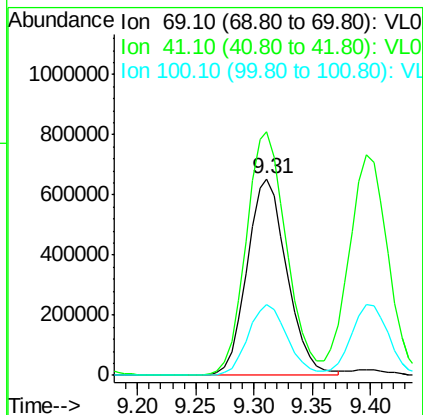
#43
Methyl Methacrylate
Concen: 11.43 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tot Ion: 69 Resp: 1555887
Ion Ratio Lower Upper
69 100
41 124.7 106.5 159.7
100 35.3 27.2 40.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

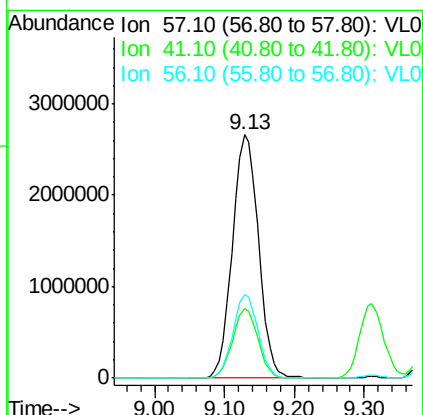
Manual Integrations
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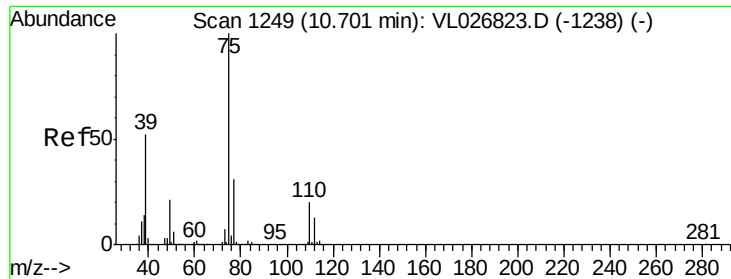
MMDadoda
2/11/2016 1:23:28 PM



#44
2,2,4-Trimethylpentane
Concen: 10.40 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 57 Resp: 6902485
Ion Ratio Lower Upper
57 100
41 27.7 23.2 34.8
56 33.3 26.2 39.4





#45

t-1,3-Dichloropropene

Concen: 11.79 ppbv

RT: 10.70 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 75 Resp: 2158825

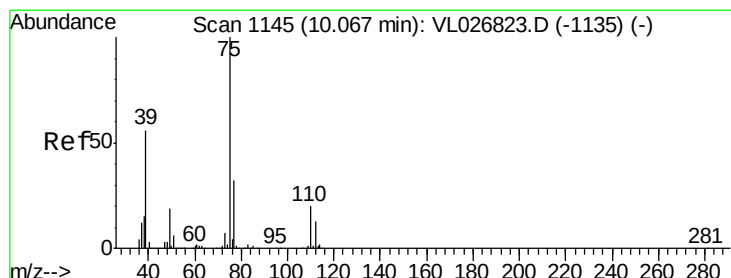
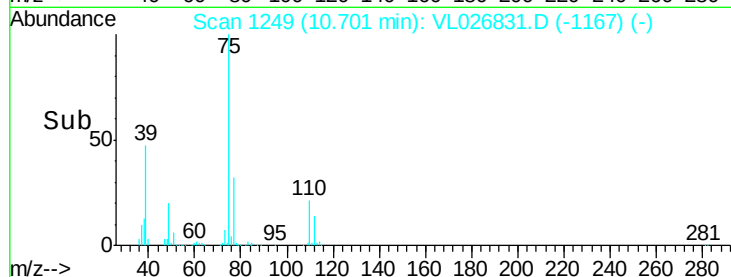
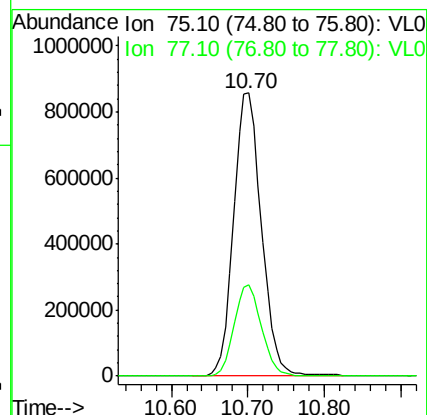
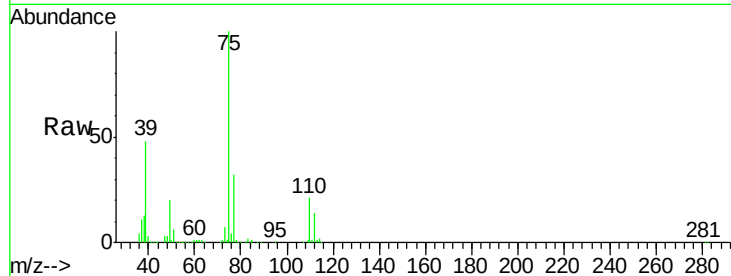
Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6

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2/11/2016 1:23:28 PM



#46

cis-1,3-Dichloropropene

Concen: 11.69 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

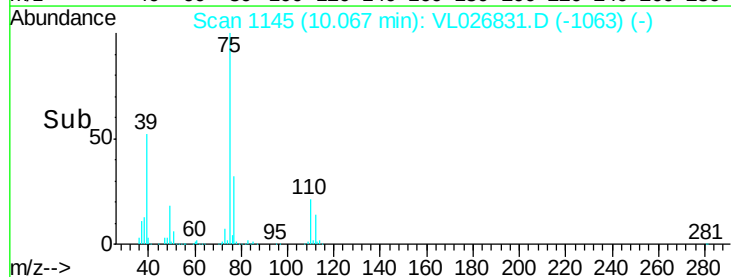
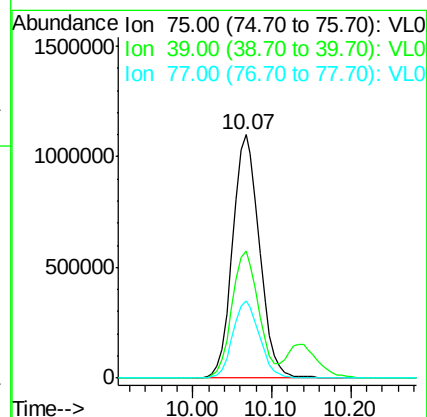
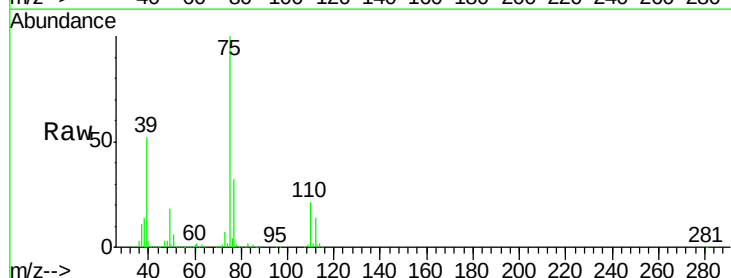
Tgt Ion: 75 Resp: 2607592

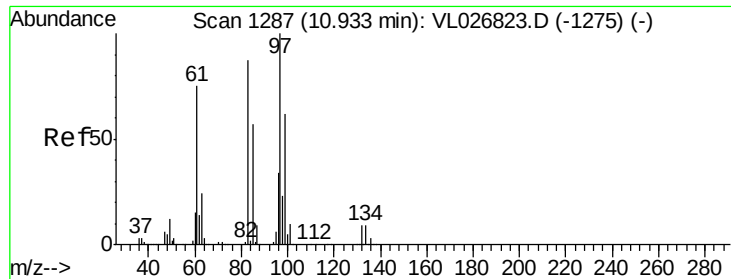
Ion Ratio Lower Upper

75 100

39 52.2 45.0 67.6

77 31.8 25.2 37.8





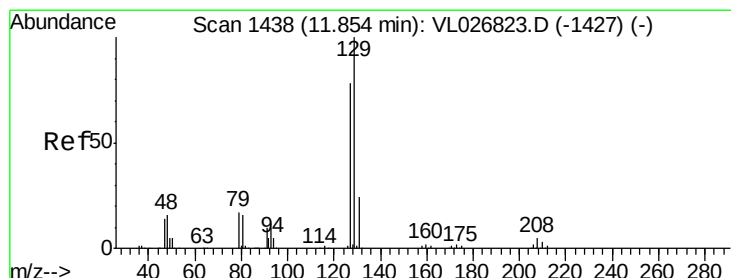
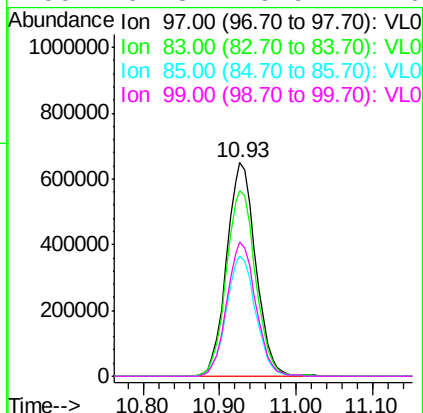
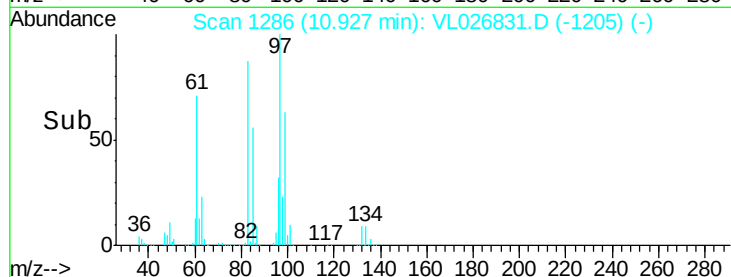
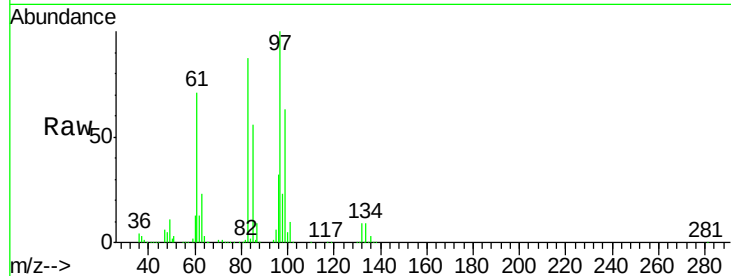
#47
 1,1,2-Trichloroethane
 Concen: 10.51 ppbv
 RT: 10.93 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.6	69.7	104.5	
85	56.2	45.3	67.9	
99	62.8	49.9	74.9	

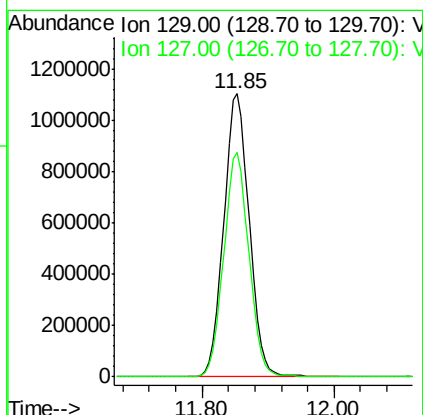
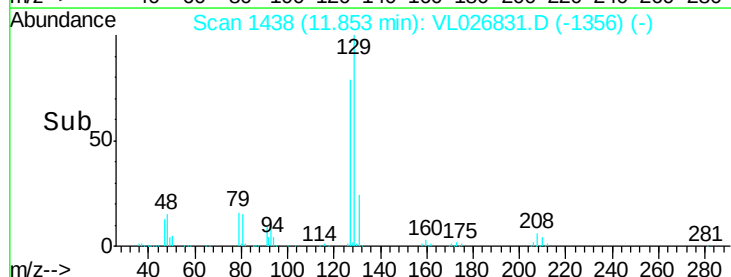
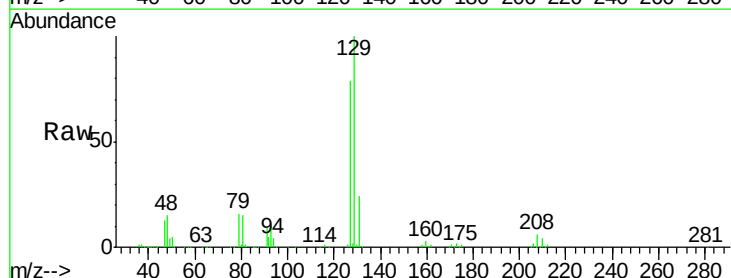
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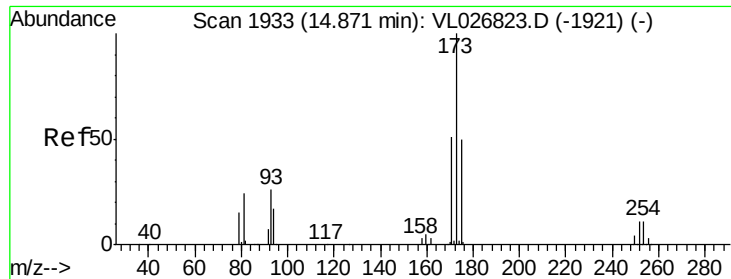
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.09 ppbv
 RT: 11.85 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.6	119.0	





#49

Bromoform

Concen: 11.78 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion:173 Resp: 2355011

Ion Ratio Lower Upper

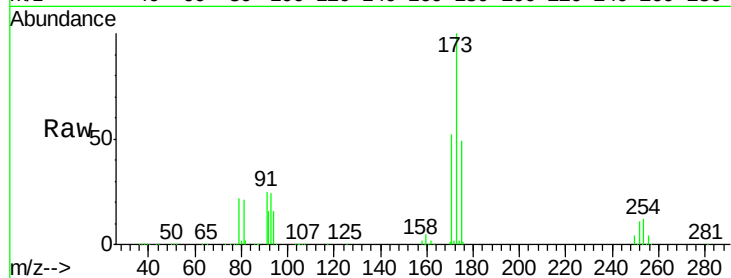
173 100

175 48.9 39.2 58.8

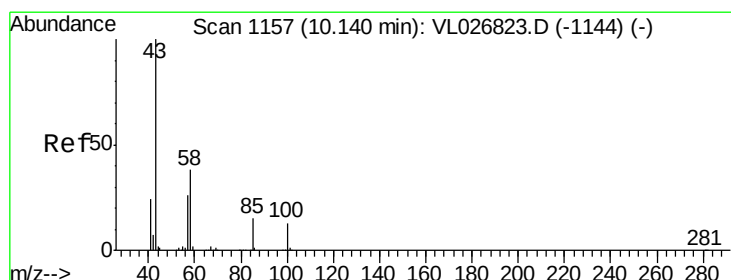
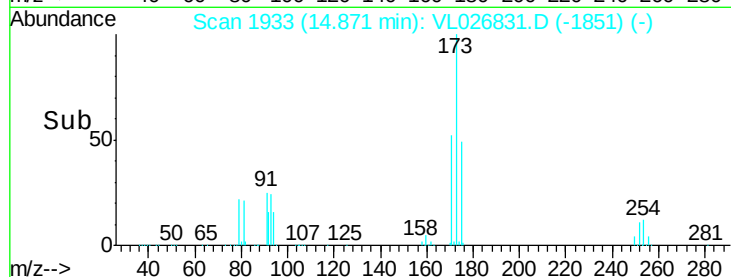
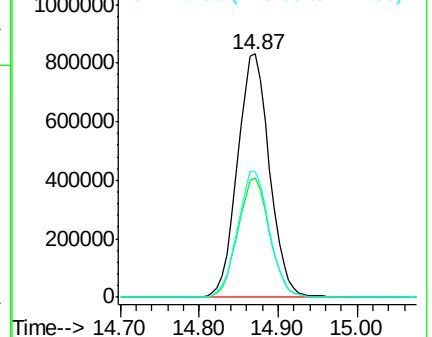
171 51.6 41.4 62.0

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



#50

4-Methyl-2-Pentanone

Concen: 10.77 ppbv

RT: 10.13 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL026831.D

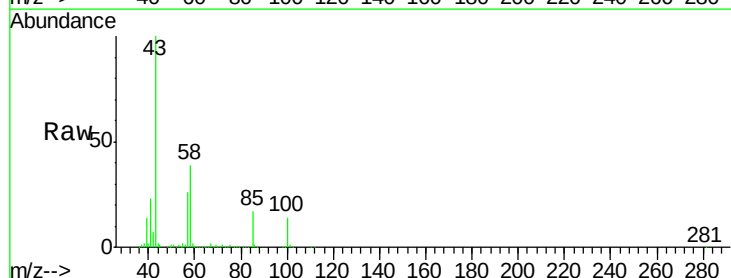
Acq: 9 Feb 2016 22:05

Tgt Ion: 43 Resp: 3046788

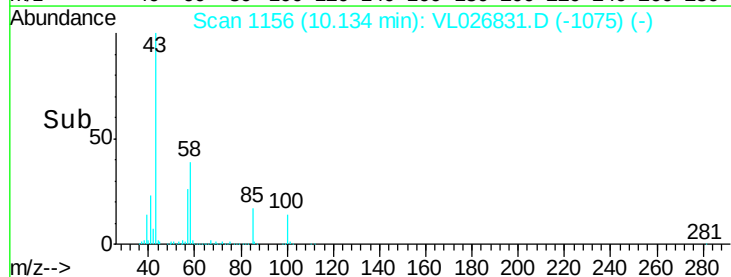
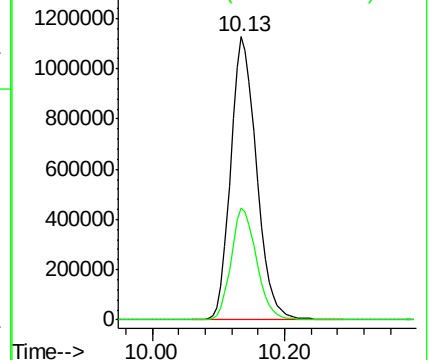
Ion Ratio Lower Upper

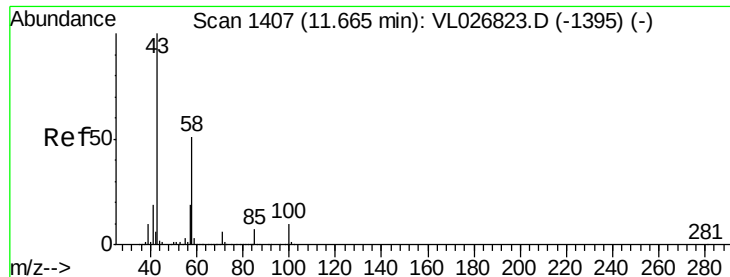
43 100

58 39.1 30.3 45.5



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





#51

2-Hexanone

Concen: 11.49 ppbv

RT: 11.66 min Scan# 1407

Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 43 Resp: 2723565

Ion Ratio Lower Upper

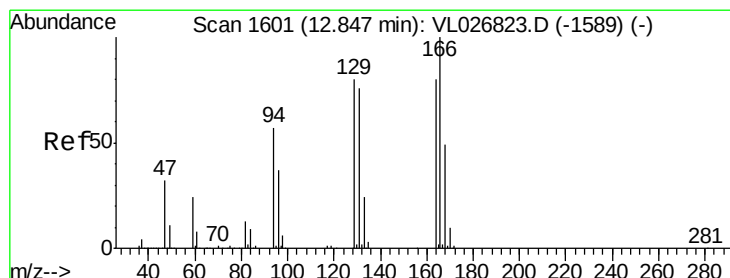
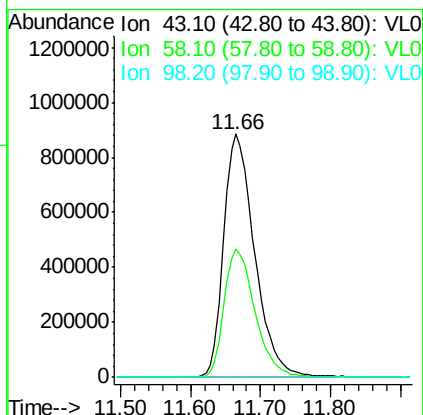
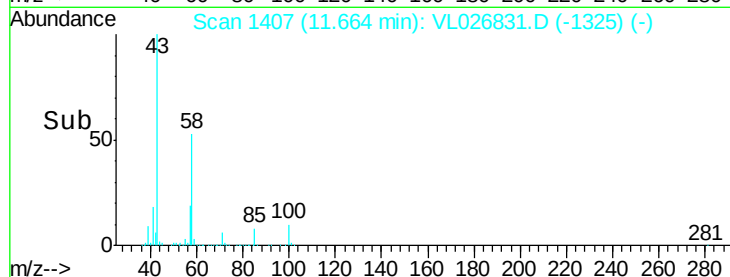
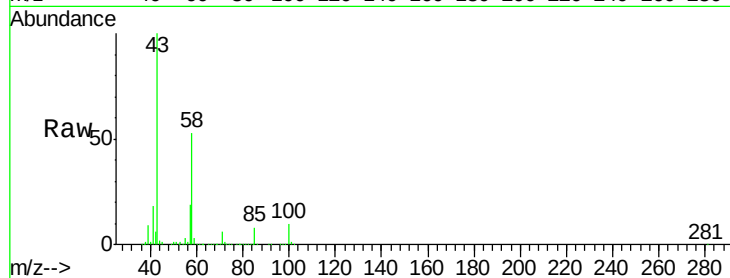
43 100

58 53.0 40.4 60.6

98 0.3 0.2 0.4

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2/11/2016 1:23:28 PM



#52

Tetrachloroethene

Concen: 11.76 ppbv

RT: 12.84 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion: 164 Resp: 1797370

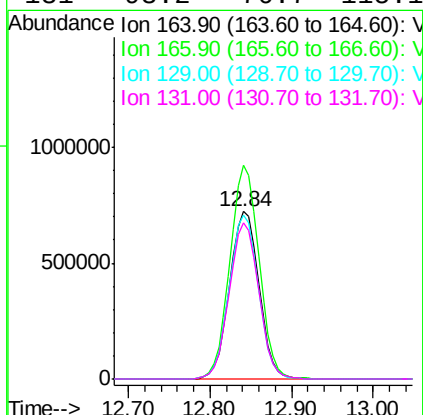
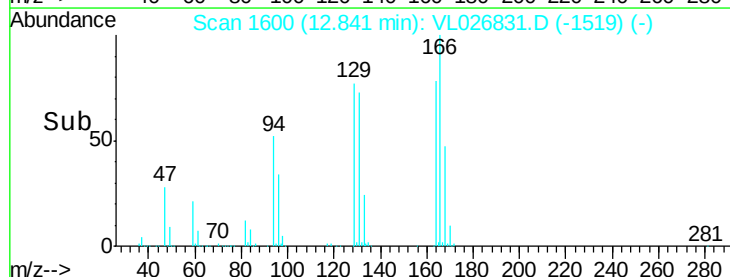
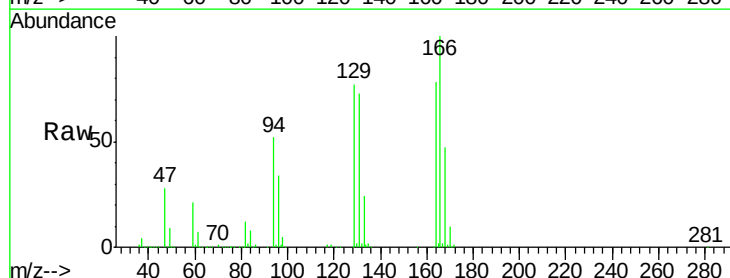
Ion Ratio Lower Upper

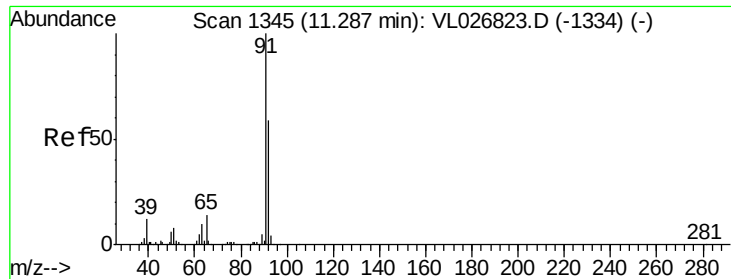
164 100

166 127.5 100.3 150.5

129 97.9 80.0 120.0

131 93.2 76.7 115.1





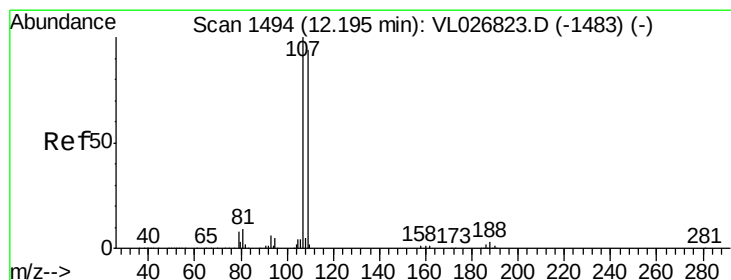
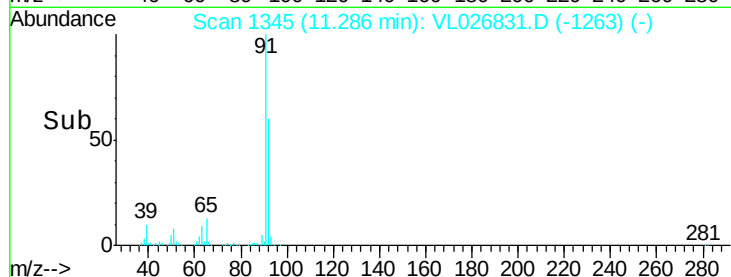
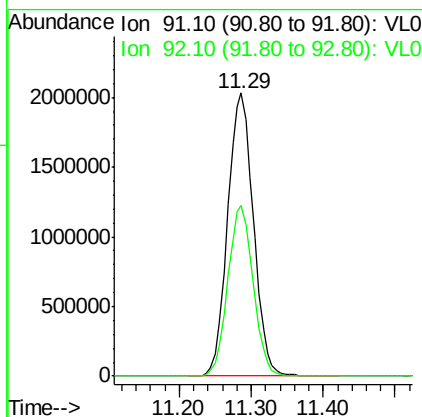
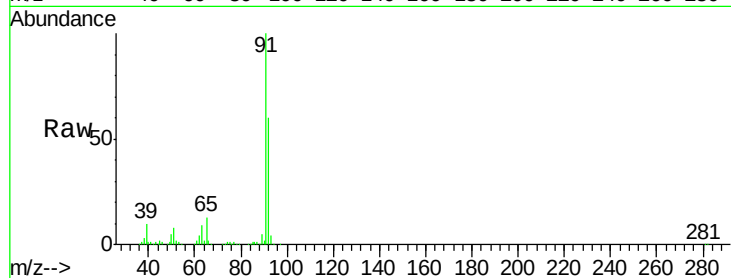
#53
Toluene
Concen: 11.55 ppbv
RT: 11.29 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion: 91 Resp: 5047363
Ion Ratio Lower Upper
91 100
92 59.5 47.3 70.9

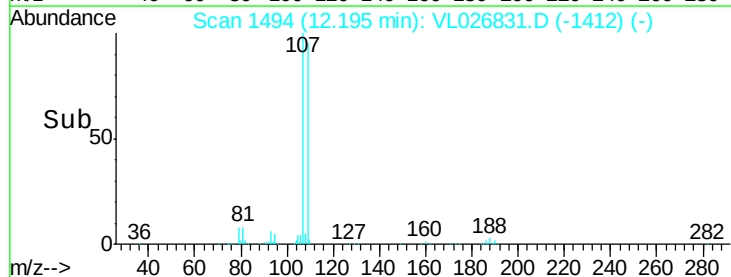
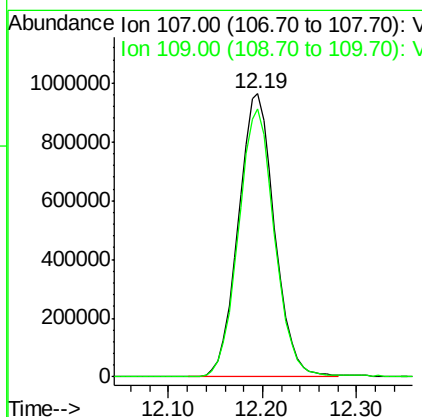
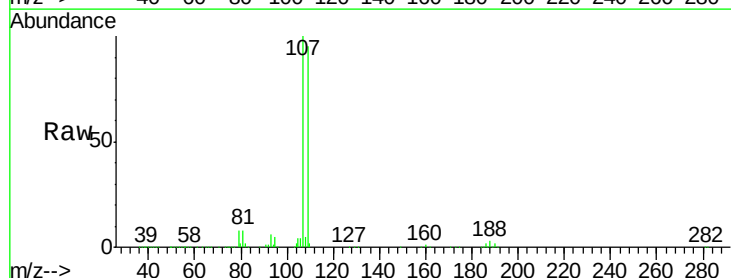
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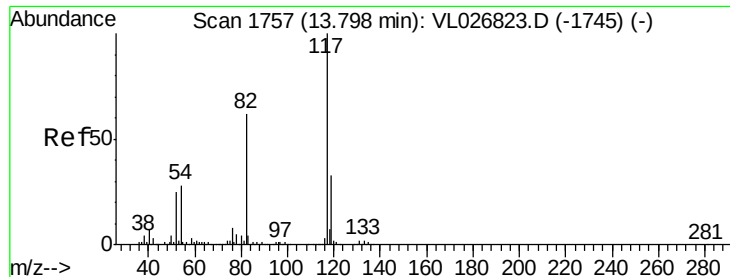
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2/11/2016 1:23:28 PM



#54
1,2-Dibromoethane
Concen: 10.72 ppbv
RT: 12.19 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 107 Resp: 2590201
Ion Ratio Lower Upper
107 100
109 94.9 75.0 112.4





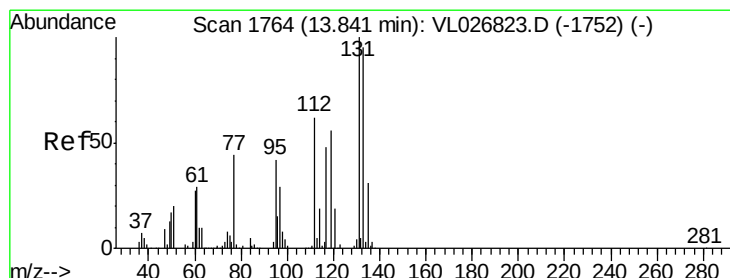
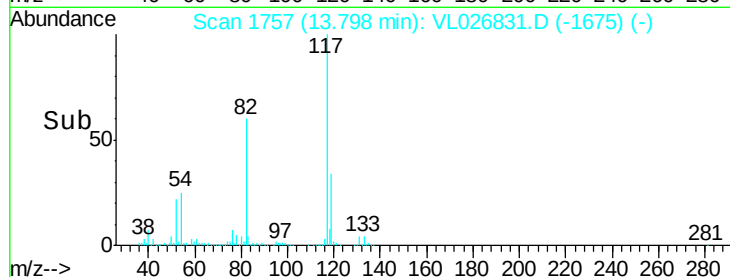
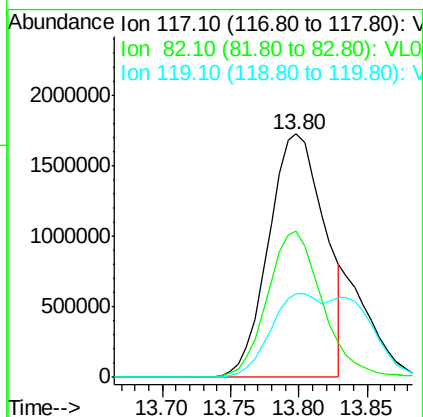
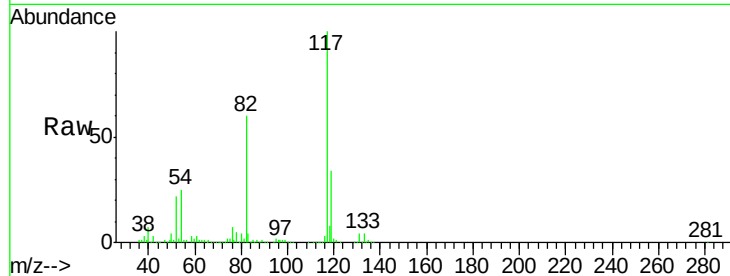
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.80 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	51.9	77.9
119	58.5	48.5	72.7

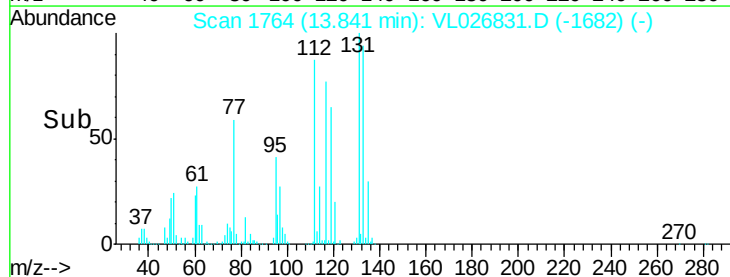
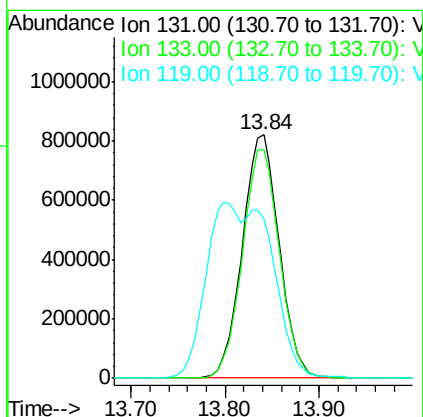
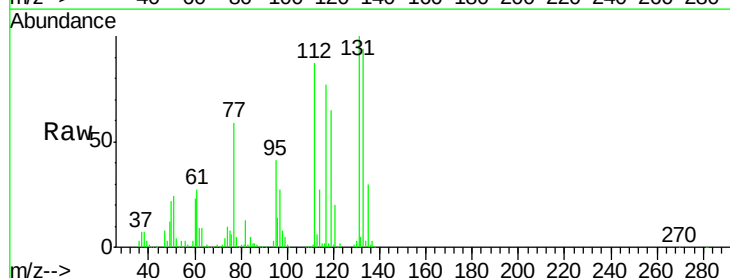
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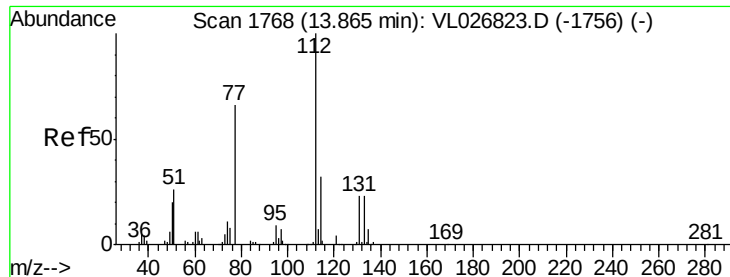
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.37 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.4	114.6
119	128.0	99.8	149.8





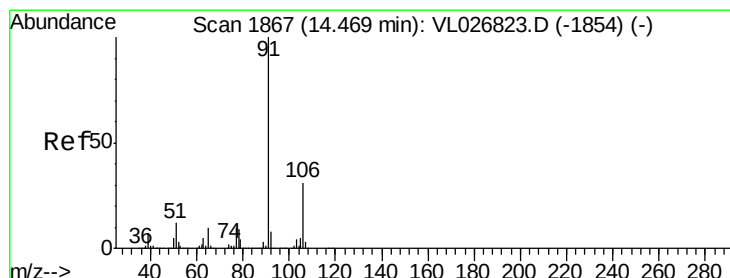
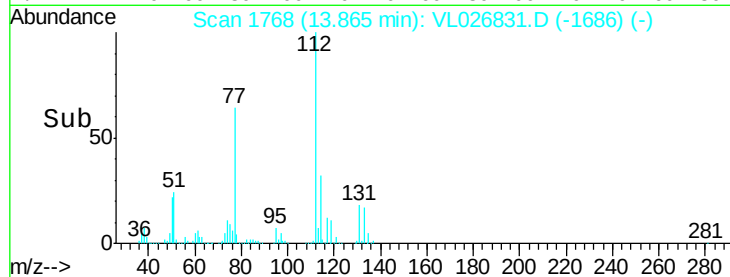
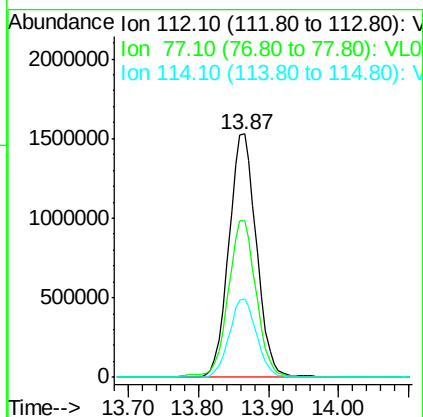
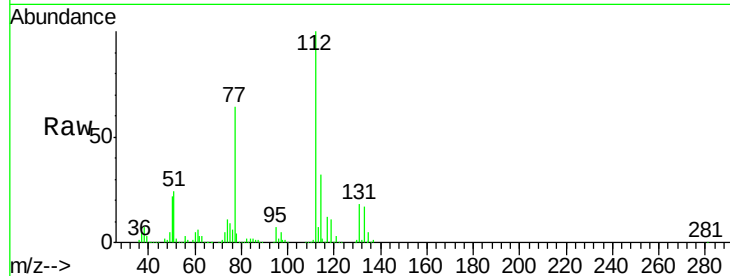
#57
Chlorobenzene
Concen: 10.27 ppbv
RT: 13.87 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion:112 Resp: 4182884
Ion Ratio Lower Upper
112 100
77 64.0 53.3 79.9
114 32.4 28.9 35.3

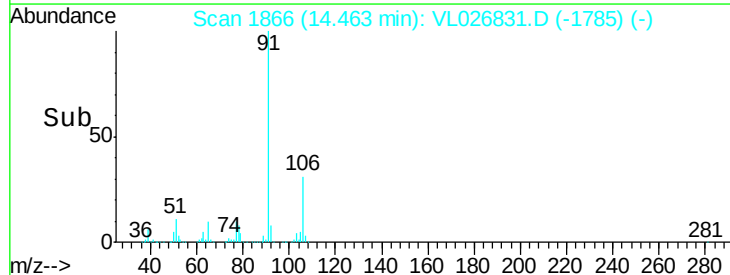
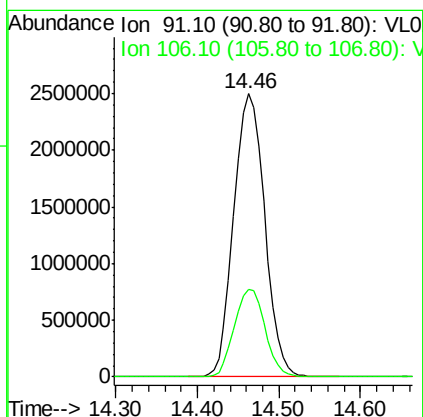
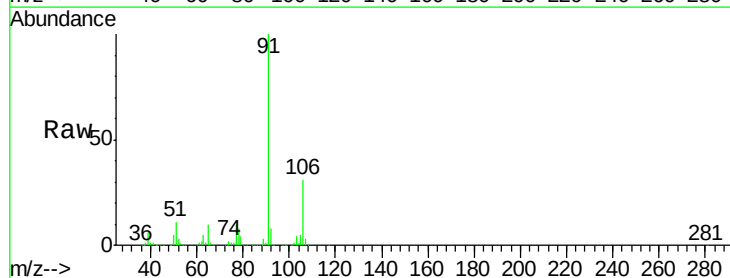
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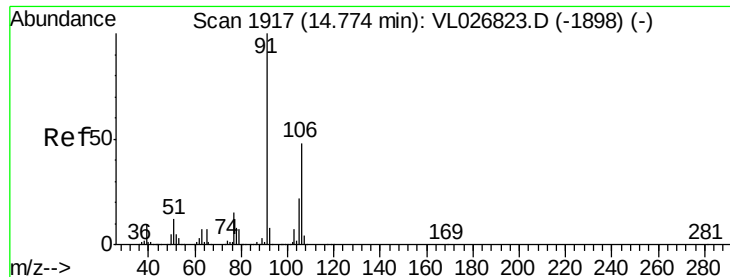
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2/11/2016 1:23:28 PM



#58
Ethyl Benzene
Concen: 11.12 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 91 Resp: 6593450
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3





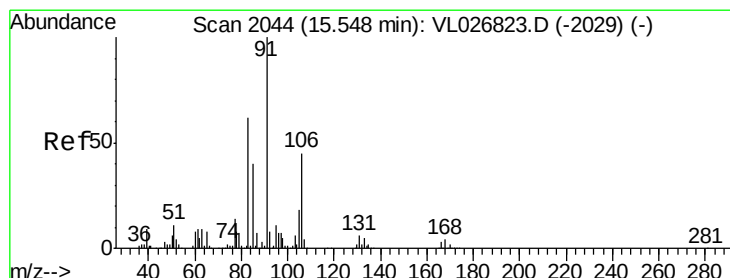
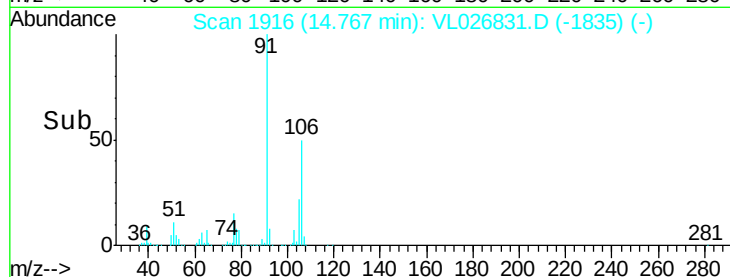
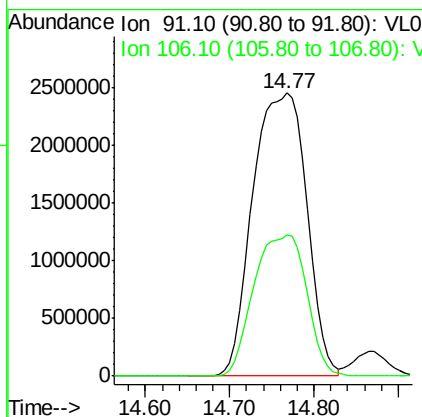
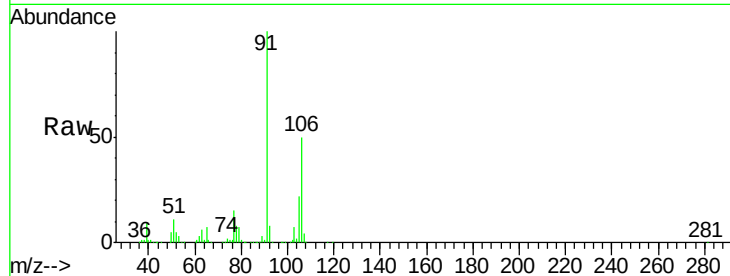
#59
m/p-Xylene
Concen: 21.32 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion: 91 Resp:10792860
Ion Ratio Lower Upper
91 100
106 49.3 38.2 57.2

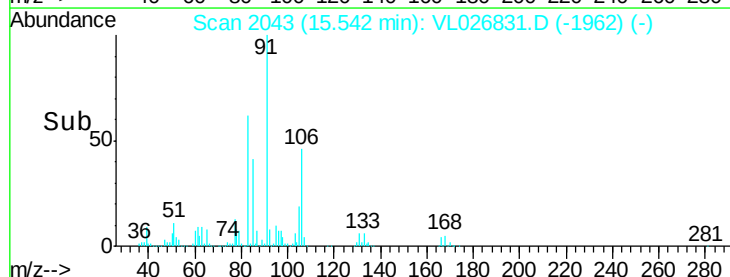
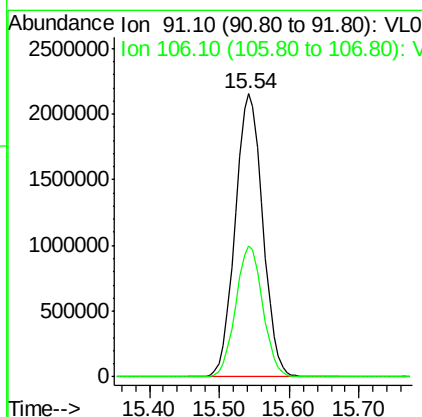
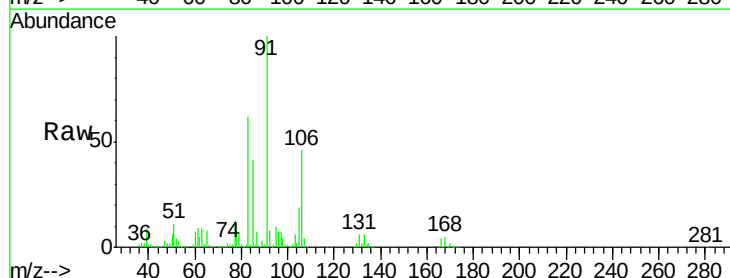
Manual Integrations
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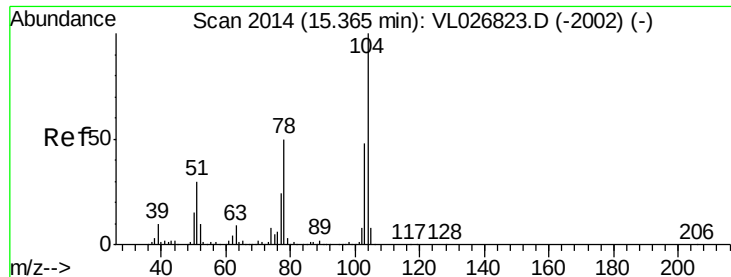
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#60
o-Xylene
Concen: 10.62 ppbv
RT: 15.54 min Scan# 2043
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion: 91 Resp: 5881600
Ion Ratio Lower Upper
91 100
106 45.7 22.3 66.8





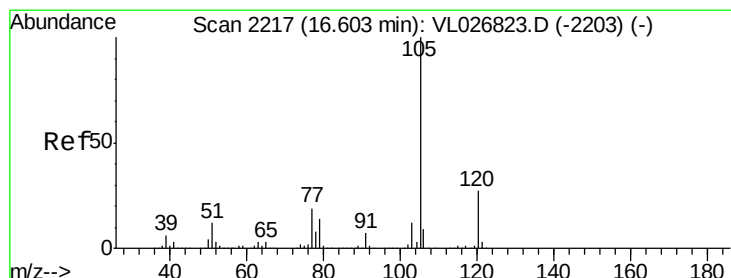
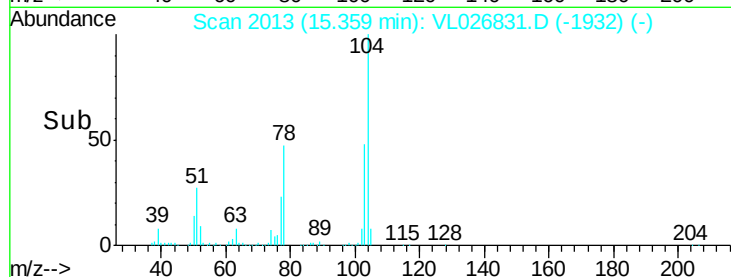
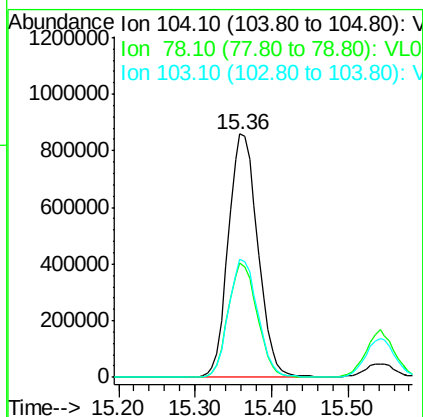
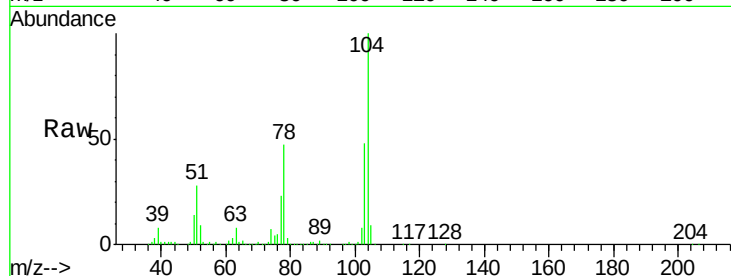
#61
Stvrene
Concen: 12.26 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Instrument :
MSVOA_L
ClientSampleId :
ICVVL020916

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	39.8	59.6
103	47.8	38.2	57.4

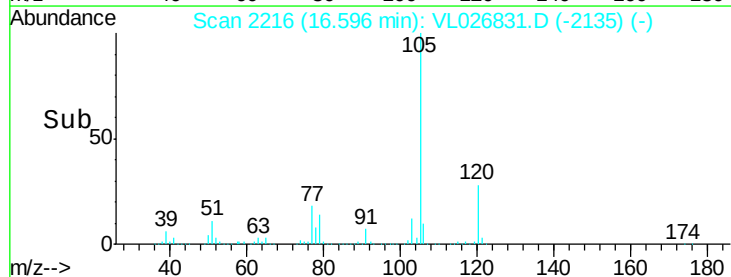
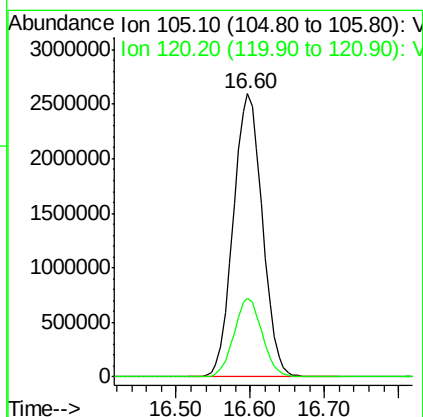
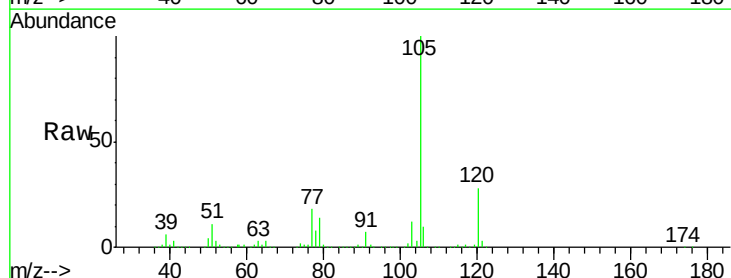
Manual Integrations
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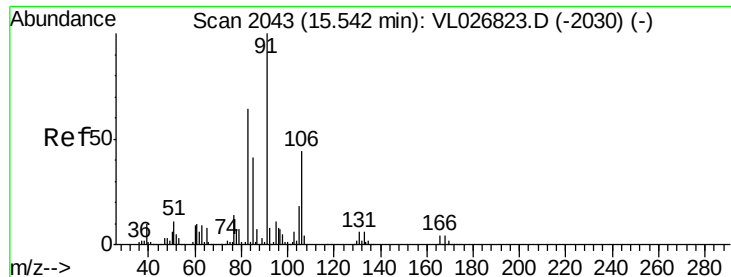
MMDadoda
2/11/2016 1:23:28 PM



#62
Isopropylbenzene
Concen: 10.70 ppbv
RT: 16.60 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL026831.D
Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.0	31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 10.19 ppbv

RT: 15.54 min Scan# 2042

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 83 Resp: 3855912

Ion Ratio Lower Upper

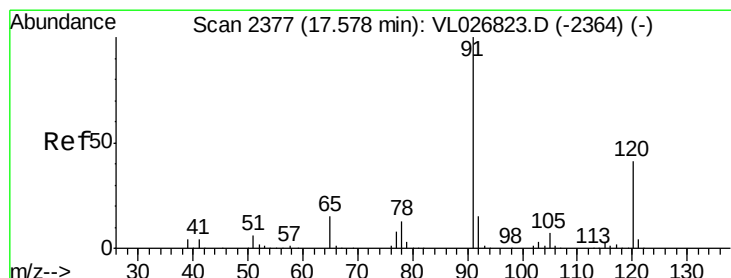
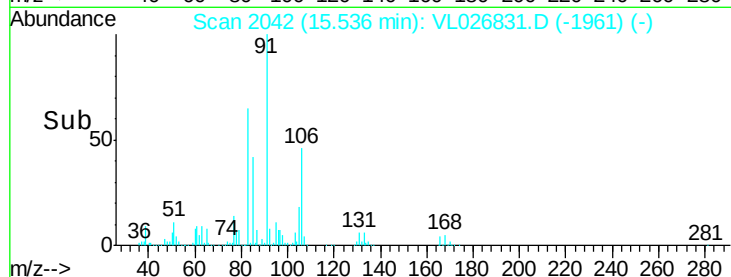
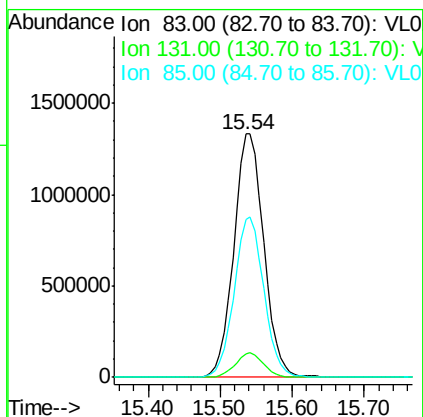
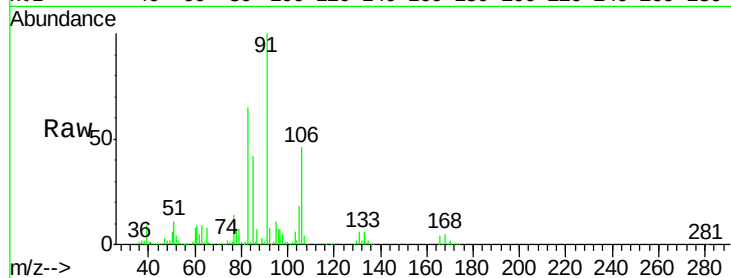
83 100

131 9.5 4.7 14.1

85 65.3 32.3 96.9

Manual Integrations
APPROVED

MMDadoda
2/11/2016 1:23:28 PM



#64

n-propylbenzene

Concen: 10.92 ppbv

RT: 17.57 min Scan# 2376

Delta R.T. -0.01 min

Lab File: VL026831.D

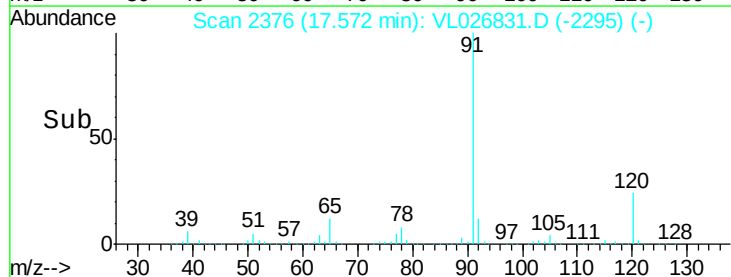
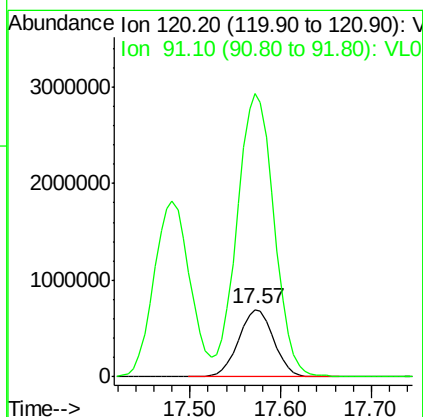
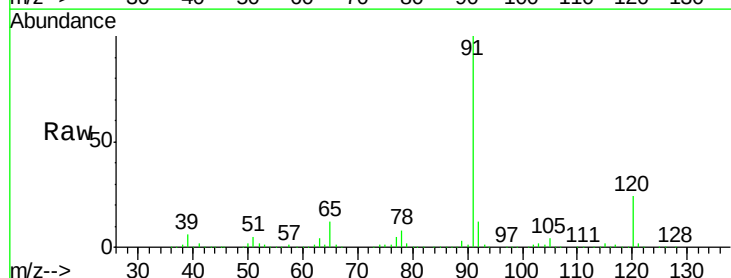
Acq: 9 Feb 2016 22:05

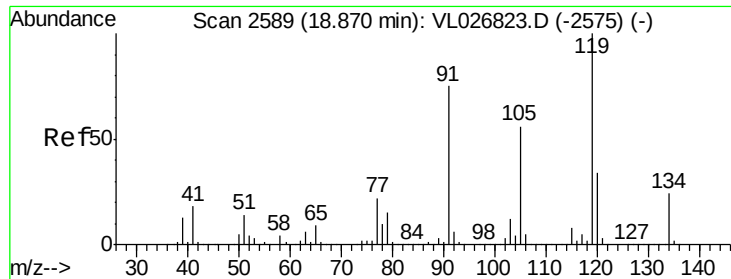
Tgt Ion:120 Resp: 1867436

Ion Ratio Lower Upper

120 100

91 448.1 363.0 544.6





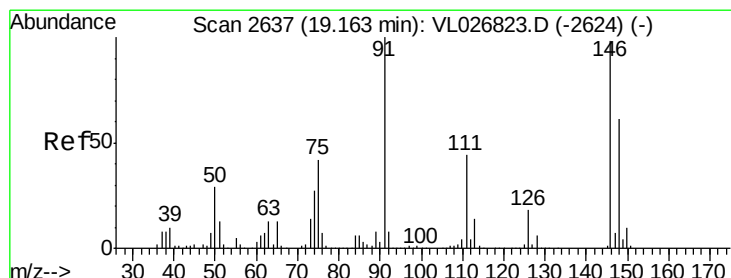
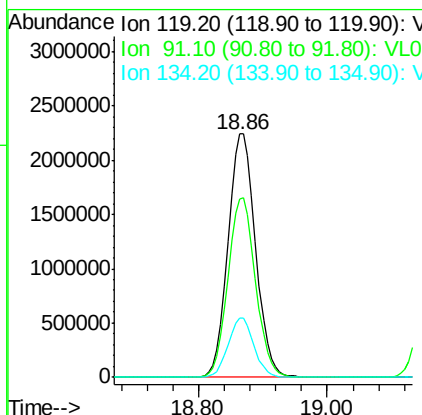
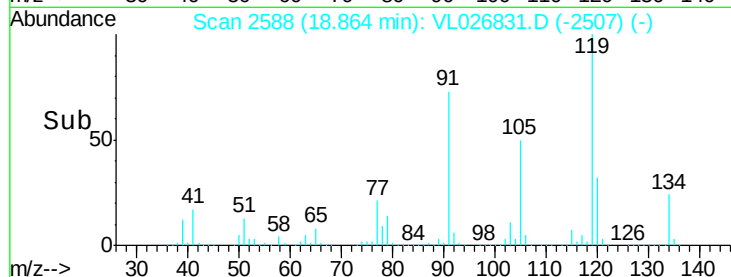
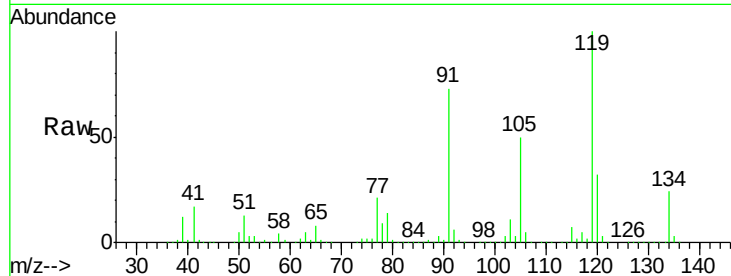
#65
 tert-Butylbenzene
 Concen: 10.93 ppbv
 RT: 18.86 min Scan# 2588
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion:119 Resp: 6696188
 Ion Ratio Lower Upper
 119 100
 91 74.0 61.5 92.3
 134 22.9 17.9 26.9

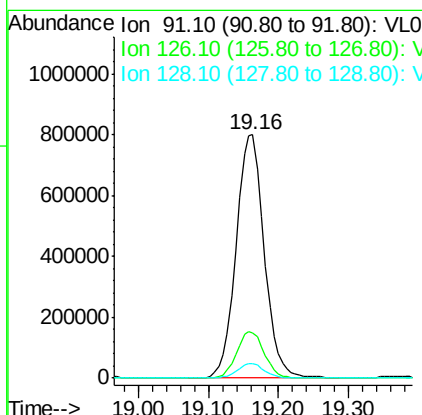
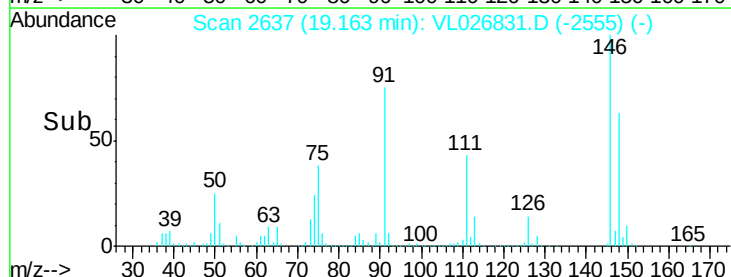
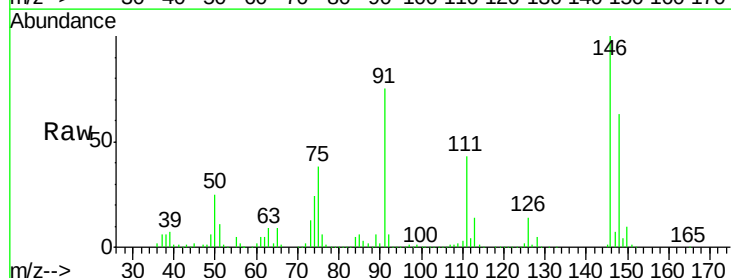
Manual Integrations
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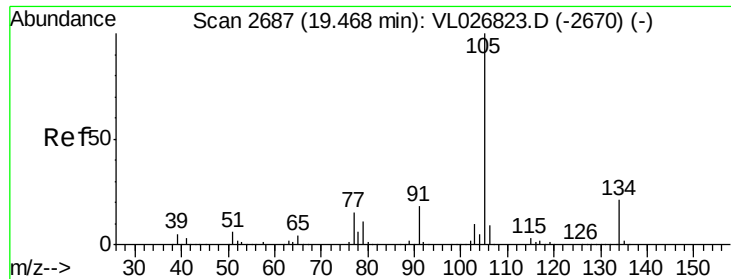
MMDadoda
 2/11/2016 1:23:28 PM



#66
 Benzyl Chloride
 Concen: 11.18 ppbv
 RT: 19.16 min Scan# 2637
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion: 91 Resp: 2223692
 Ion Ratio Lower Upper
 91 100
 126 18.9 14.6 21.8
 128 5.9 4.6 6.8





#67

sec-Butylbenzene

Concen: 10.60 ppbv

RT: 19.46 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion:105 Resp: 8455112

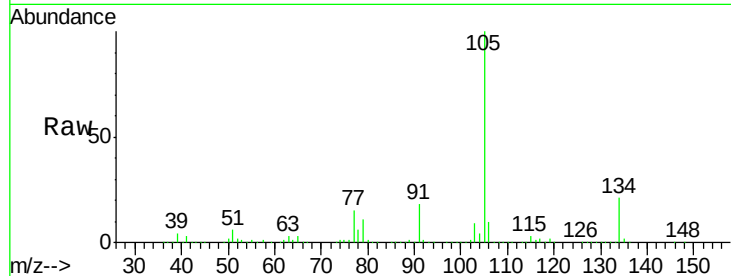
Ion Ratio Lower Upper

105 100

134 20.7 16.1 24.1

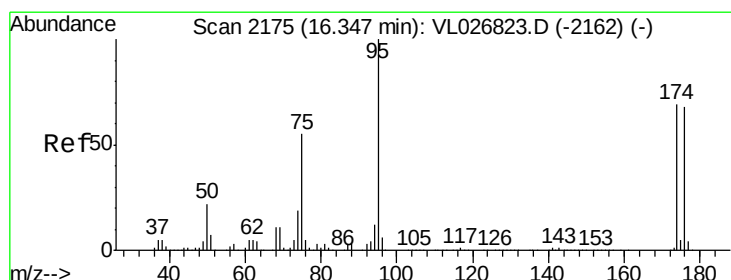
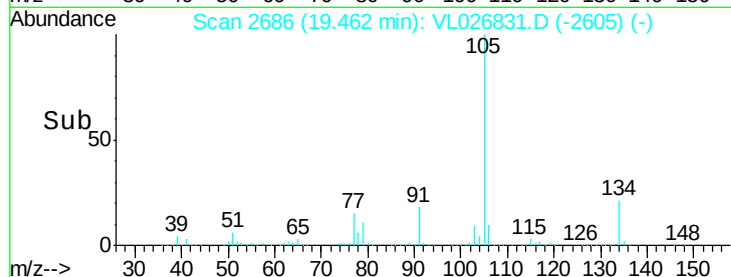
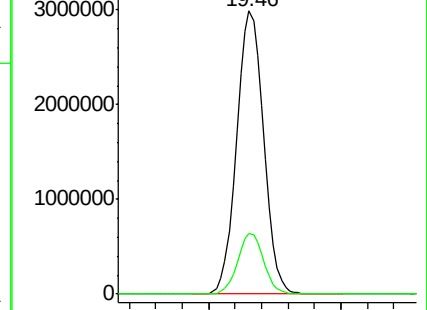
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.49 ppbv

RT: 16.34 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

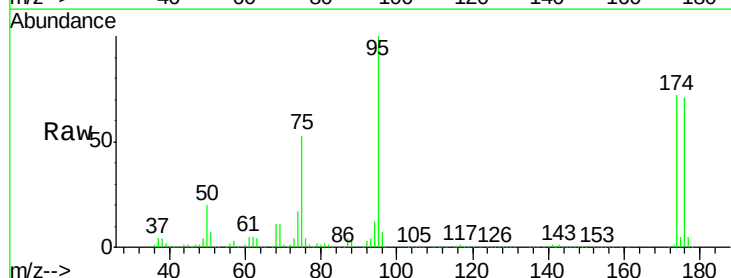
Tgt Ion: 95 Resp: 3353802

Ion Ratio Lower Upper

95 100

174 73.4 55.6 83.4

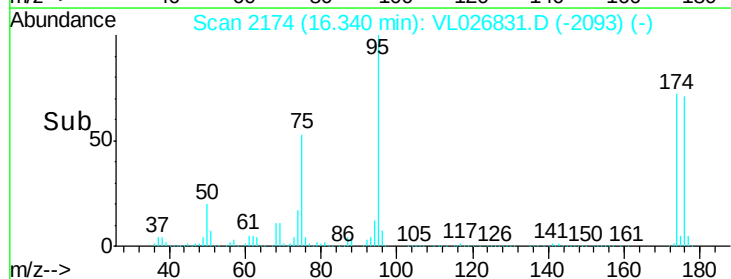
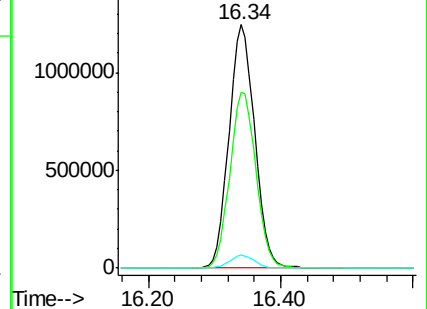
175 5.2 3.9 5.9

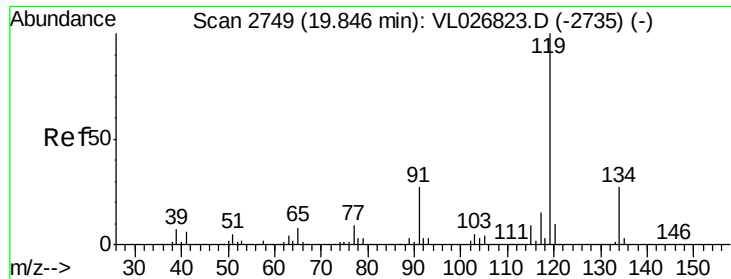


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





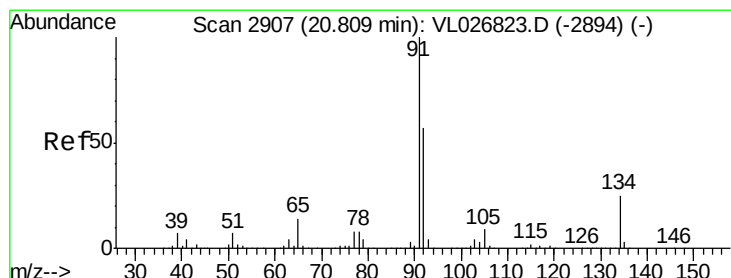
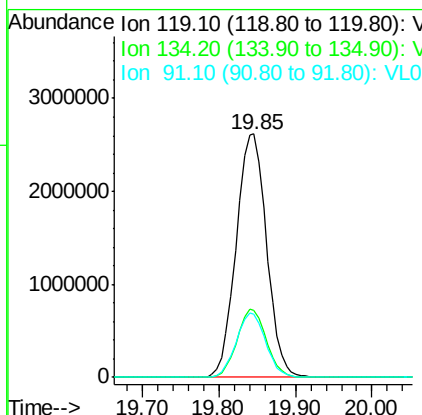
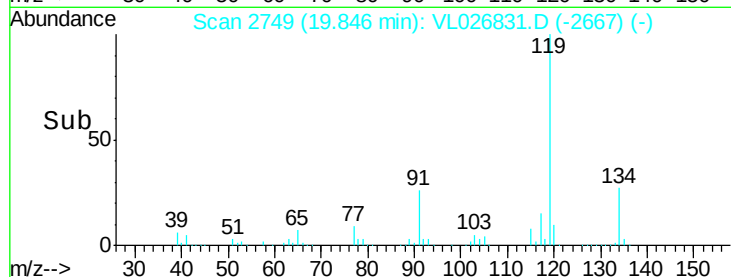
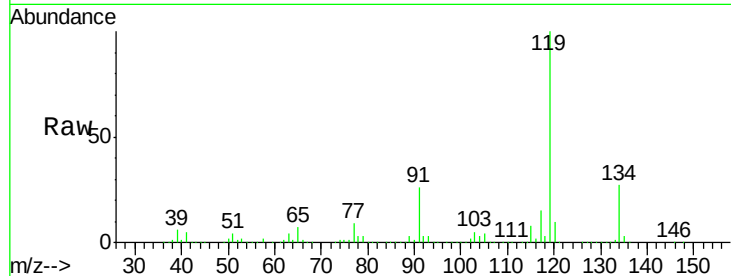
#69
 p-Isopropyltoluene
 Concen: 11.15 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.3	31.9
91	25.8	21.5	32.3

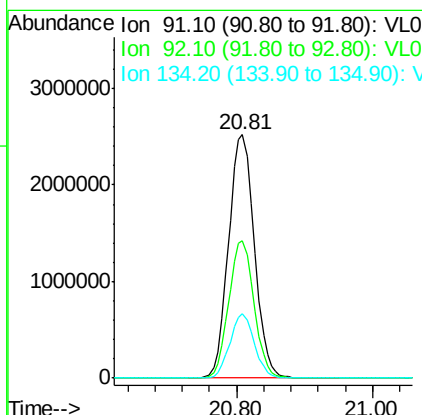
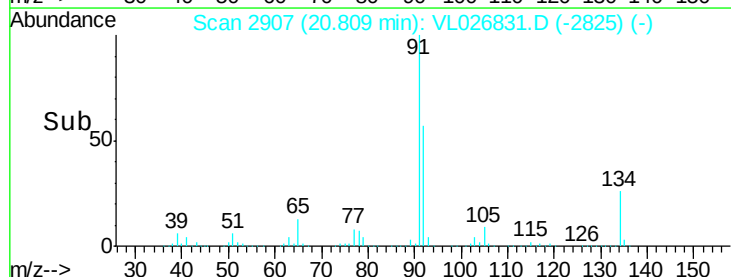
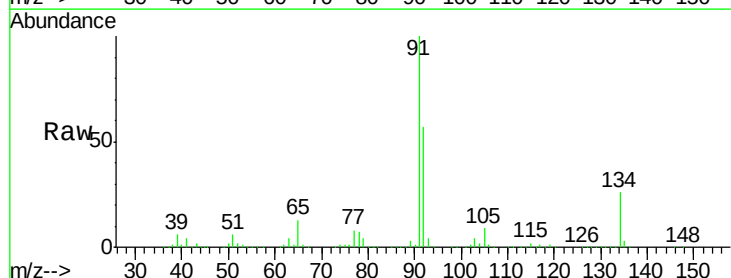
Manual Integrations
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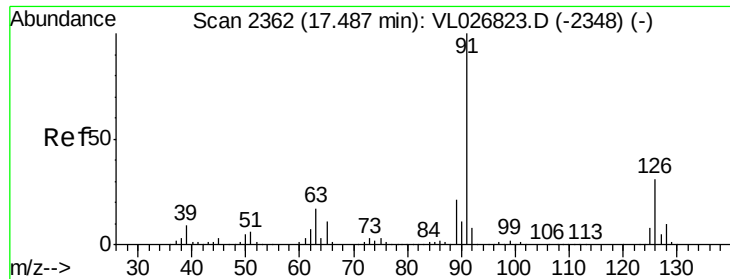
MMDadoda
 2/11/2016 1:23:28 PM



#70
 n-Butylbenzene
 Concen: 10.76 ppbv
 RT: 20.81 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.2	66.4
134	25.1	19.3	28.9





#71

2-Chlorotoluene

Concen: 11.04 ppbv

RT: 17.48 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion: 91 Resp: 5010417

Ion Ratio Lower Upper

91 100

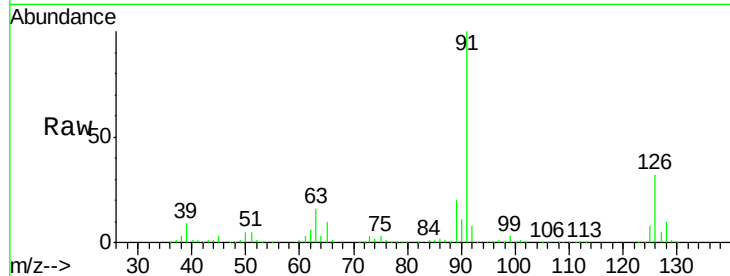
126 32.0 12.2 48.8

Manual Integrations

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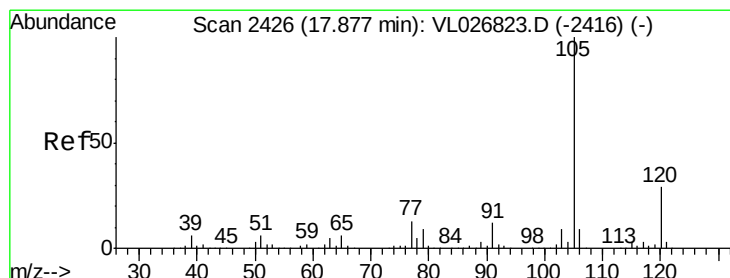
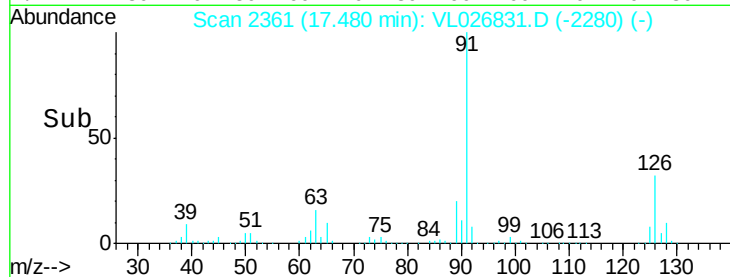
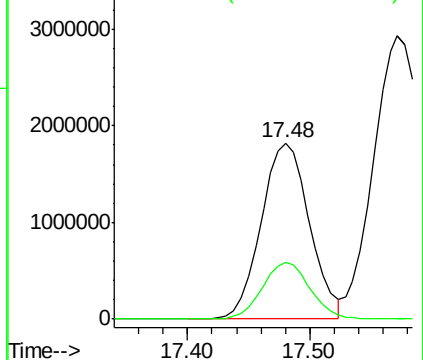
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.20 ppbv

RT: 17.87 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion:105 Resp: 5717189

Ion Ratio Lower Upper

105 100

120 30.4 23.8 35.6

91 12.4 10.2 15.4

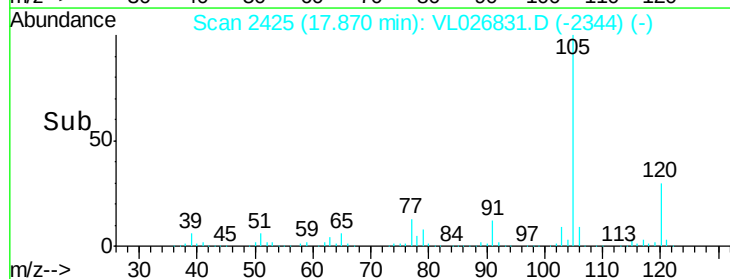
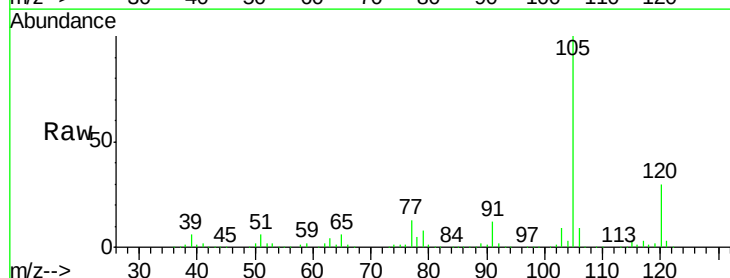
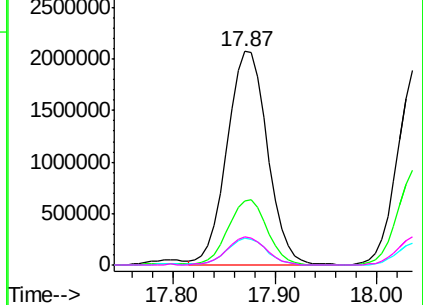
77 12.9 10.8 16.2

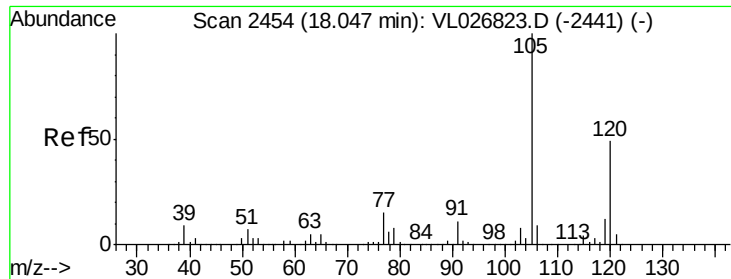
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.81 ppbv

RT: 18.04 min Scan# 2453

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

ClientSampleId :

ICVVL020916

Tot Ion:105 Resp: 5371421

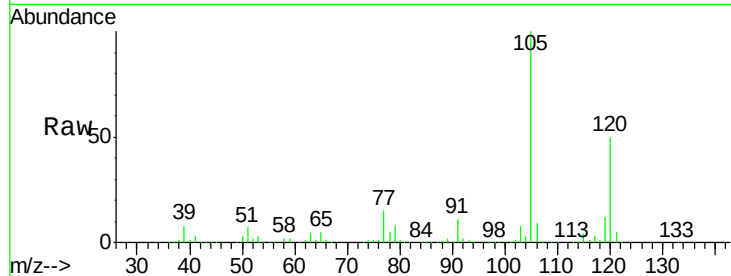
Ion Ratio Lower Upper

105 100

120 50.4 39.4 59.0

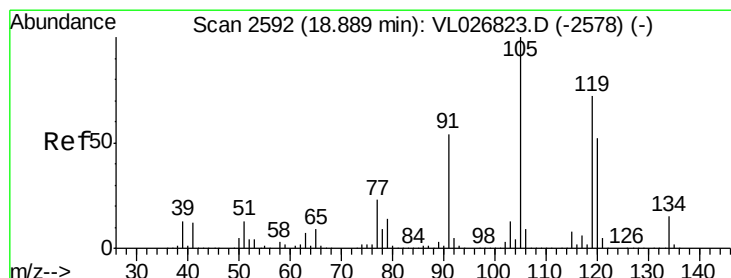
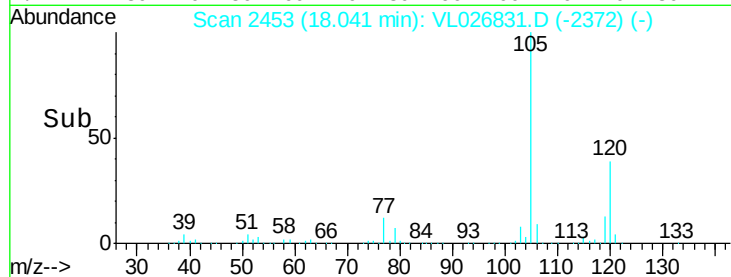
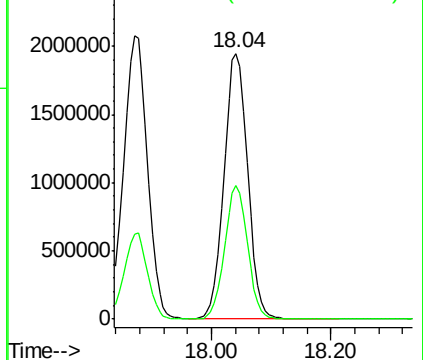
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.48 ppbv

RT: 18.88 min Scan# 2591

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion:105 Resp: 5924856

Ion Ratio Lower Upper

105 100

120 53.0 41.3 61.9

91 57.4 43.3 64.9

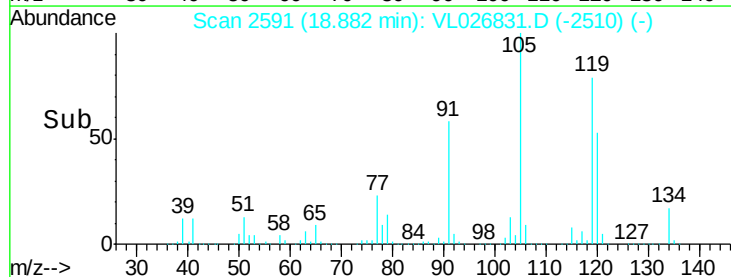
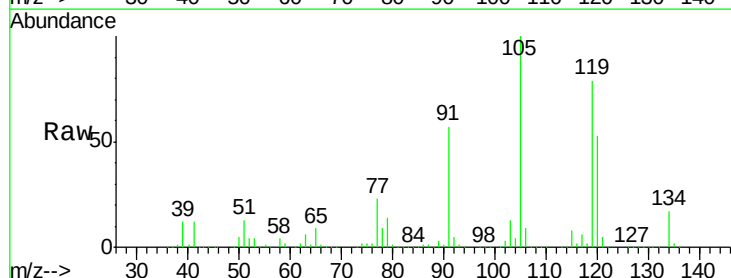
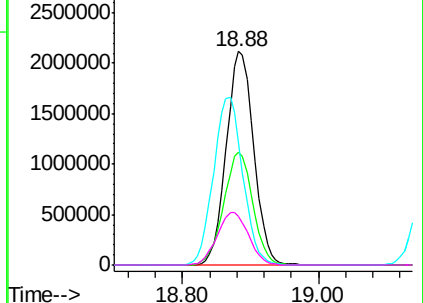
77 22.8 18.3 27.5

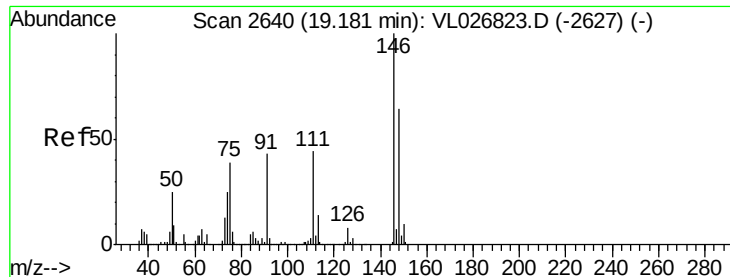
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





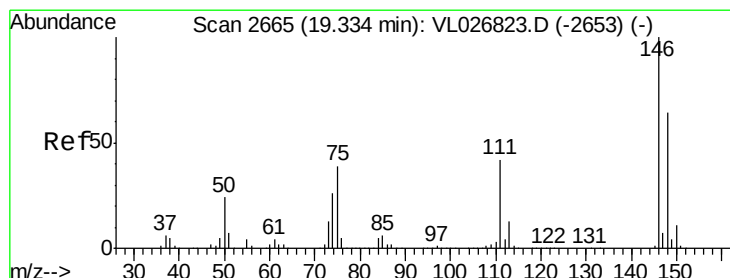
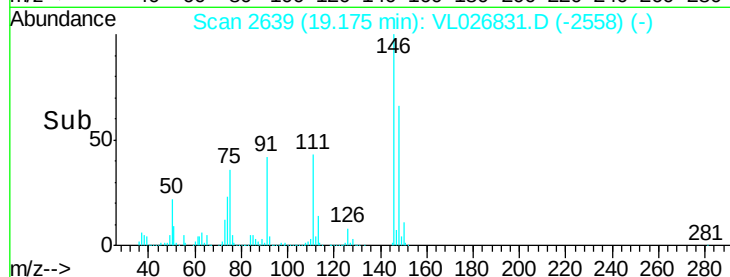
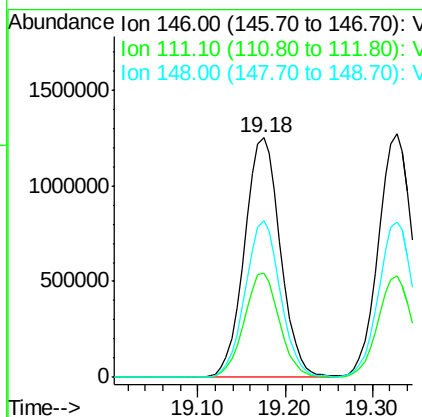
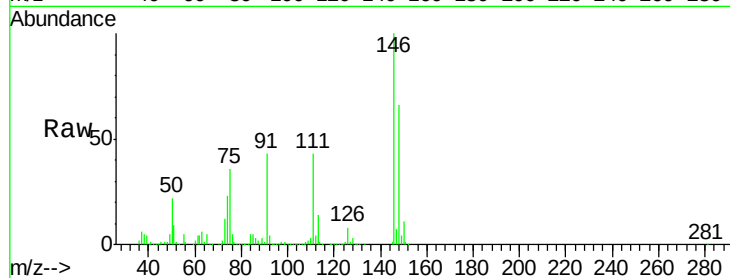
#75
 1,3-Dichlorobenzene
 Concen: 10.42 ppbv
 RT: 19.18 min Scan# 2639
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.1	66.3
148	64.1	32.2	96.6

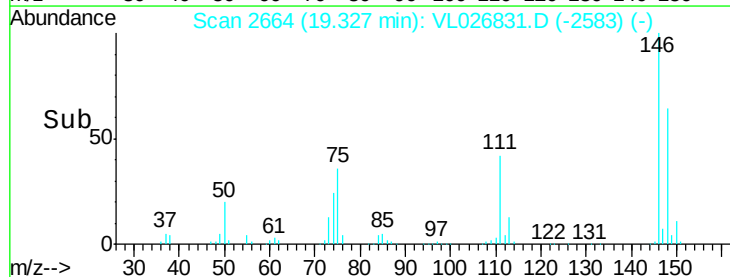
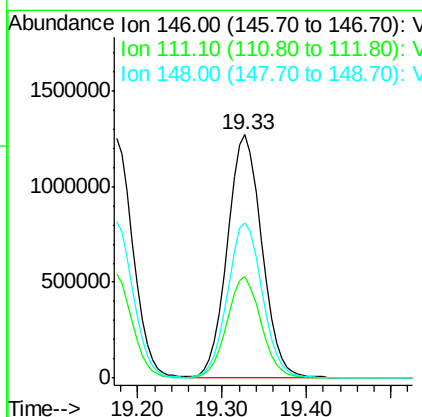
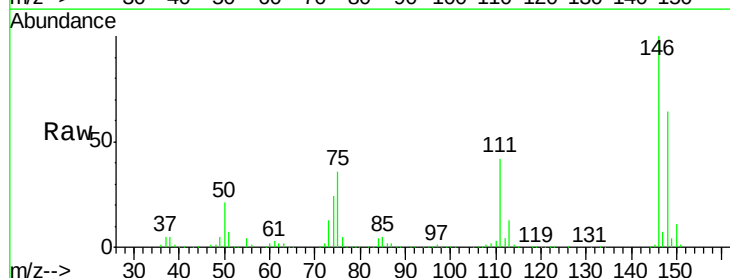
Manual Integrations
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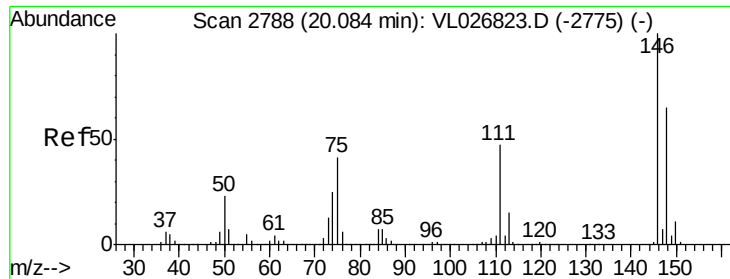
MMDadoda
 2/11/2016 1:23:28 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.55 ppbv
 RT: 19.33 min Scan# 2664
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.6	64.8
148	64.7	32.2	96.6





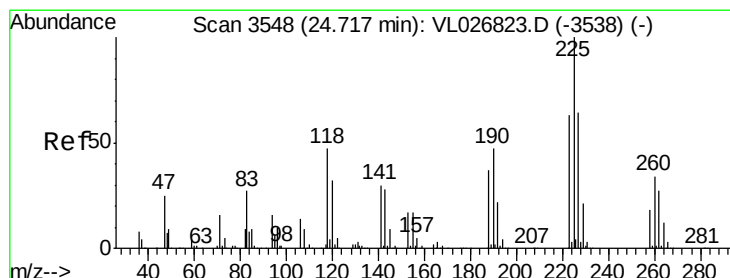
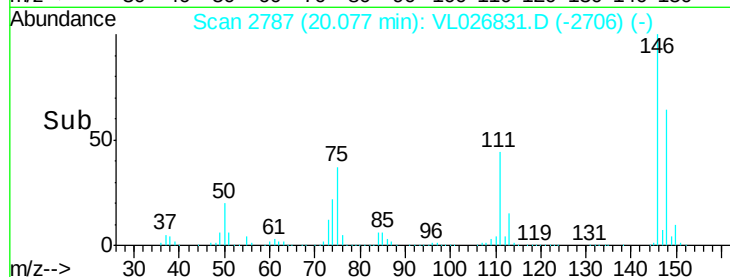
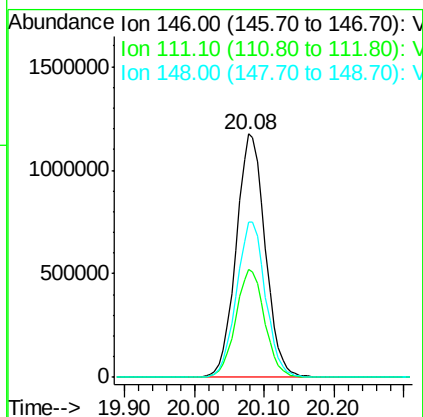
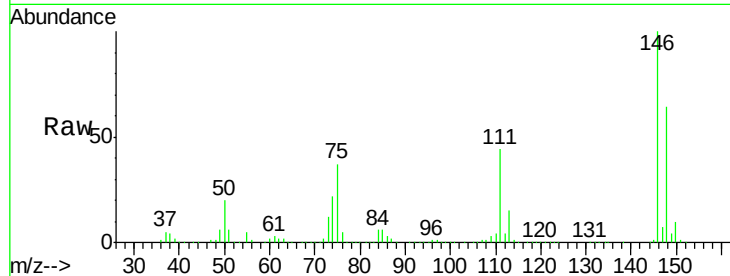
#77
 1,2-Dichlorobenzene
 Concen: 10.41 ppbv
 RT: 20.08 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	23.1	69.3
148	64.1	32.1	96.5

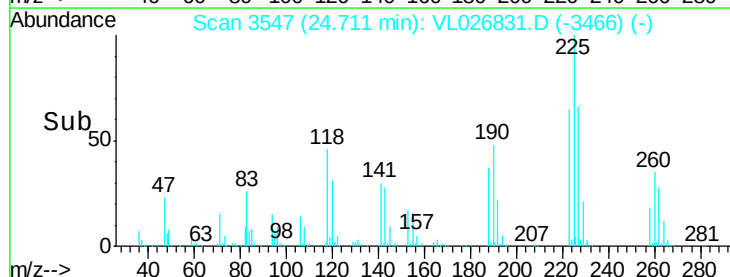
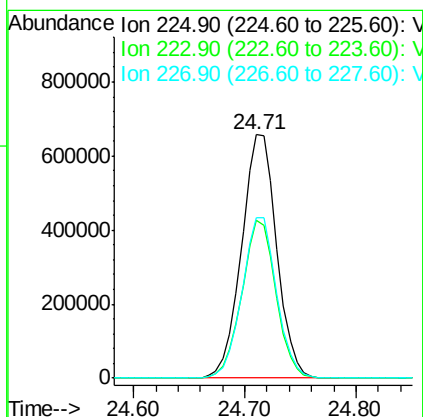
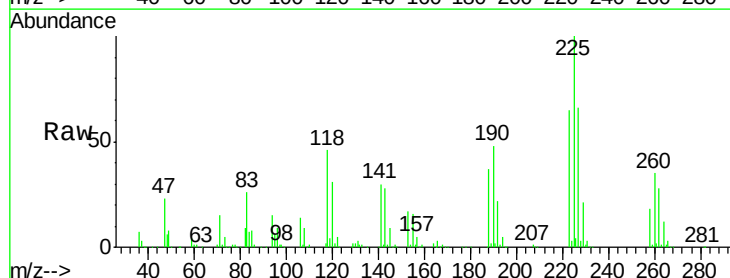
Manual Integrations
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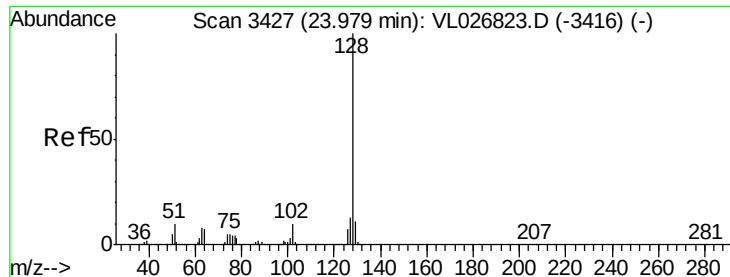
MMDadoda
 2/11/2016 1:23:28 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.30 ppbv
 RT: 24.71 min Scan# 3547
 Delta R.T. -0.01 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2
227	65.0	52.1	78.1





#79

Naphthalene

Concen: 10.12 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. -0.01 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Instrument :

MSVOA_L

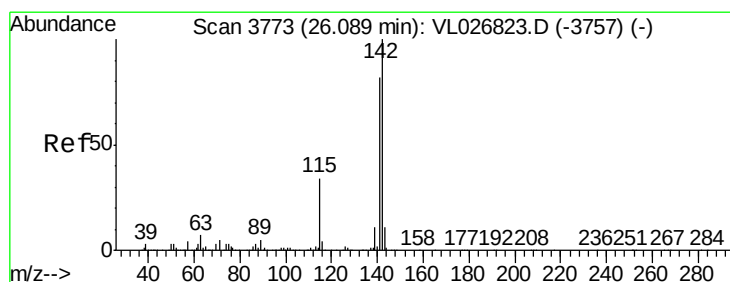
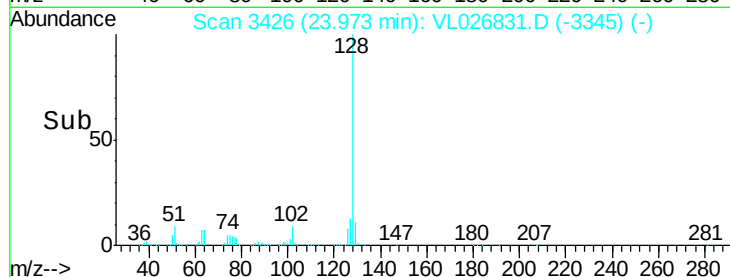
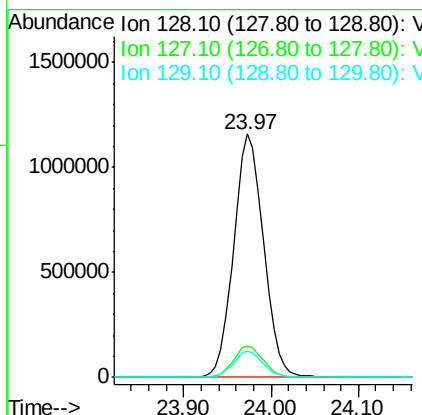
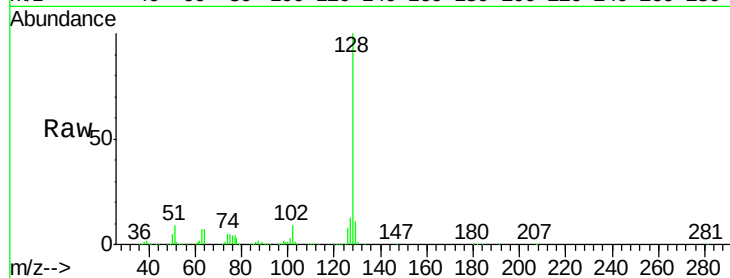
ClientSampleId :

ICVVL020916

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2016 1:23:28 PM



#80

Naphthalene, 2-methyl-

Concen: 8.67 ppbv

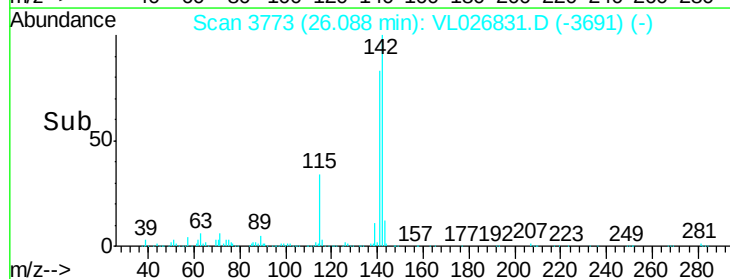
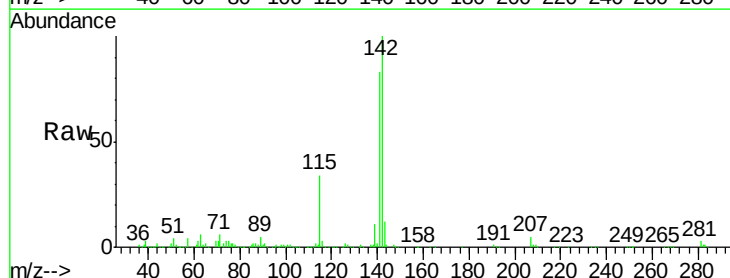
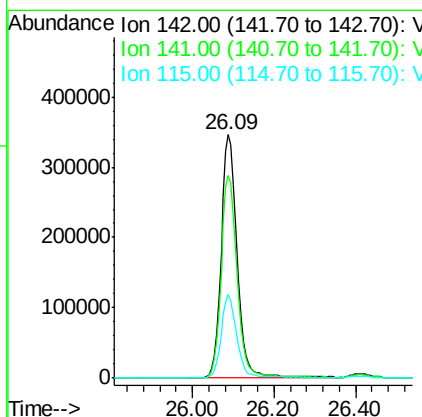
RT: 26.09 min Scan# 3773

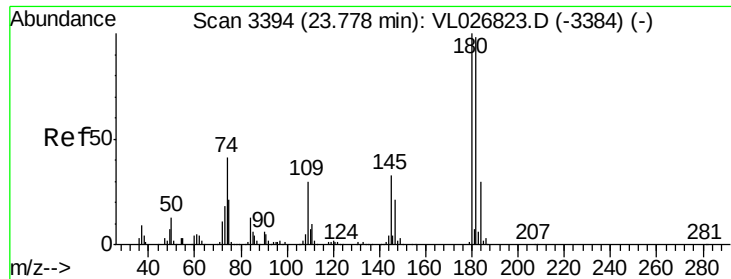
Delta R.T. -0.00 min

Lab File: VL026831.D

Acq: 9 Feb 2016 22:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.2	100.8
115	33.9	27.5	41.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.92 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VL026831.D
 Acq: 9 Feb 2016 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL020916

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
184	30.1	24.5	36.7

Manual Integrations
 APPROVED

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 2/11/2016 1:23:28 PM

