

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL011216\
 Data File : VL026670.D
 Acq On : 12 Jan 2016 11:09
 Operator : SY/AP
 Sample : VL0112ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Manual Integrations
 APPROVED

mohammad
 1/13/2016 2:36:26 PM

Quant Time: Jan 13 04:27:18 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 13 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	807030	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	8.34	114	2494563	10.00	ppbv	0.03
55) Chlorobenzene-d5	13.76	117	3197930m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	2605157	10.22	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	2188329	10.20	ppbv	99
3) Chlorodifluoromethane	3.58	51	998377	9.29	ppbv	99
4) Chloromethane	3.76	50	490949	9.34	ppbv	98
5) Vinyl Chloride	3.90	62	570076	8.95	ppbv	100
6) Bromomethane	4.15	94	468252	10.33	ppbv	100
7) Chloroethane	4.24	64	257385	10.00	ppbv	97
8) Dichlorotetrafluoroethane	3.81	85	1661065	9.85	ppbv	99
9) Propene	3.60	41	353731	9.16	ppbv	96
10) Heptane	9.37	43	1328380	9.23	ppbv	95
11) Trichlorofluoromethane	4.70	101	2263070	10.17	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1358649	9.94	ppbv	100
13) Ethanol	4.34	45	48040	6.55	ppbv	97
14) Bromoethene	4.46	108	503245	10.22	ppbv	98
15) Acetone	4.61	43	1114128	8.39	ppbv	99
16) 1,3-Butadiene	3.98	39	515481	9.73	ppbv	100
17) tert-Butyl alcohol	5.14	59	933714	9.33	ppbv	100
18) 1,1-Dichloroethene	5.09	96	574413	10.08	ppbv	99
19) Isopropyl Alcohol	4.76	45	471287	8.61	ppbv #	97
20) Methylene Chloride	5.16	84	515316	9.46	ppbv	97
21) Allyl Chloride	5.23	41	780776	9.59	ppbv	97
22) trans-1,2-Dichloroethene	5.78	96	640905	9.85	ppbv	96
23) Vinyl Acetate	5.99	43	1856718	9.11	ppbv	98
24) 1,1-Dichloroethane	5.92	63	1404924	9.56	ppbv	100
25) Ethyl Acetate	6.68	43	1933767	9.44	ppbv	100
26) Hexane	6.67	57	998121	9.42	ppbv	97
27) Carbon Disulfide	5.40	76	1635062	10.38	ppbv	99
28) Methyl tert-Butyl Ether	5.96	73	2086985	9.91	ppbv	99
29) Chloroform	6.76	83	1863762	9.69	ppbv	99
30) Cyclohexane	8.29	84	1068857	10.22	ppbv	96
31) cis-1,2-Dichloroethene	6.53	61	1064780	9.97	ppbv	97
32) 1,1,1-Trichloroethane	7.61	97	2051766	9.45	ppbv	99
34) 2-Butanone	6.21	43	1138813	8.56	ppbv	97
35) Carbon Tetrachloride	8.17	117	2051941	9.35	ppbv	99
36) Benzene	8.04	78	2378415	9.26	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1649161	9.39	ppbv	100
38) Trichloroethene	9.08	130	939509	8.20	ppbv	98
39) 1,2-Dichloropropane	8.84	63	795966	8.97	ppbv	96
40) 1,4-Dioxane	9.13	88	165221	8.10	ppbv #	1
41) Tetrahydrofuran	7.13	42	607963	9.23	ppbv	98
42) Bromodichloromethane	9.04	83	2174656	9.59	ppbv	98
43) Methyl Methacrylate	9.28	69	917831	9.79	ppbv	97

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL011216\
 Data File : VL026670.D
 Acq On : 12 Jan 2016 11:09
 Operator : SY/AP
 Sample : VL0112ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Manual Integrations
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 1/13/2016 2:36:26 PM

Quant Time: Jan 13 04:27:18 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 18
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	3665362	8.84	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1588778	10.47	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1738773	10.07	ppbv	95
47) 1,1,2-Trichloroethane	10.90	97	1148379	9.08	ppbv	98
48) Dibromochloromethane	11.82	129	1853128	9.76	ppbv	100
49) Bromoform	14.83	173	1500073	9.69	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	1715891	9.18	ppbv	99
51) 2-Hexanone	11.63	43	1660418	9.64	ppbv #	98
52) Tetrachloroethene	12.80	164	1060690	8.26	ppbv	99
53) Toluene	11.25	91	3404430	9.41	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1793252	8.95	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.80	131	1380733	9.38	ppbv	98
57) Chlorobenzene	13.83	112	2826344	8.58	ppbv	98
58) Ethyl Benzene	14.43	91	5430382	9.51	ppbv	100
59) m/p-Xylene	14.73	91	8400501m	17.84	ppbv	
60) o-Xylene	15.51	91	4319742	8.49	ppbv	99
61) Styrene	15.33	104	2055419	10.34	ppbv	98
62) Isopropylbenzene	16.56	105	6061653	9.00	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.50	83	2710366	7.15	ppbv	99
64) n-propylbenzene	17.54	120	1619466	8.96	ppbv	99
65) tert-Butylbenzene	18.83	119	5142105	8.33	ppbv	99
66) Benzyl Chloride	19.12	91	2061109	9.35	ppbv	100
67) sec-Butylbenzene	19.43	105	7927902	8.66	ppbv	99
69) p-Isopropyltoluene	19.81	119	6240272	8.91	ppbv	99
70) n-Butylbenzene	20.77	91	6452972	8.85	ppbv	100
71) 2-Chlorotoluene	17.44	91	4912492	9.36	ppbv	98
72) 4-Ethyltoluene	17.84	105	5237751	9.21	ppbv	100
73) 1,3,5-Trimethylbenzene	18.00	105	4803964	8.91	ppbv	97
74) 1,2,4-Trimethylbenzene	18.85	105	4675946	8.17	ppbv #	90
75) 1,3-Dichlorobenzene	19.14	146	2913853	8.24	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	3059938	8.43	ppbv	99
77) 1,2-Dichlorobenzene	20.05	146	2982596	8.31	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	935991	6.39	ppbv	100
79) Naphthalene	23.95	128	2600628	6.73	ppbv	100
80) Naphthalene,2-methyl-	26.07	142	345835	5.77	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1251658	7.12	ppbv	99

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

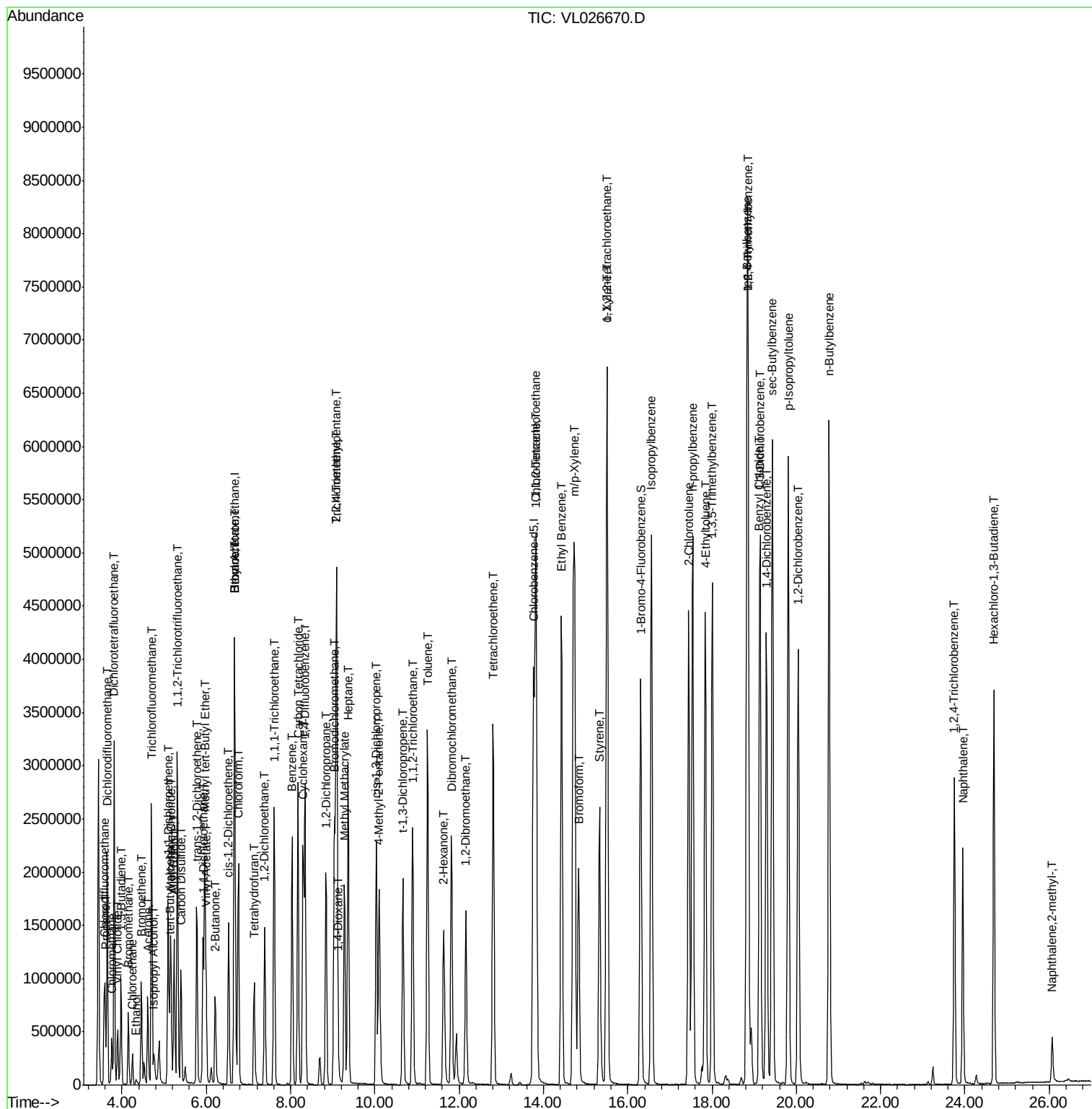
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL011216\
Data File : VL026670.D
Acq On : 12 Jan 2016 11:09
Operator : SY/AP
Sample : VL0112ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

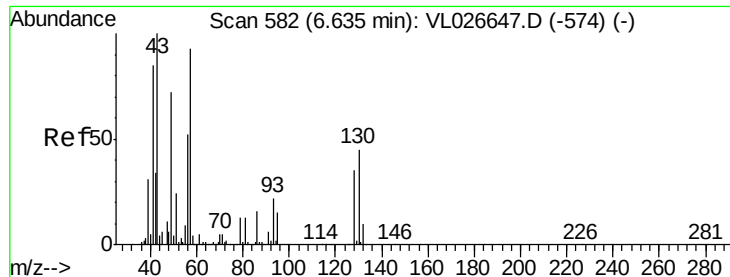
Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

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Quant Time: Jan 13 04:27:18 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

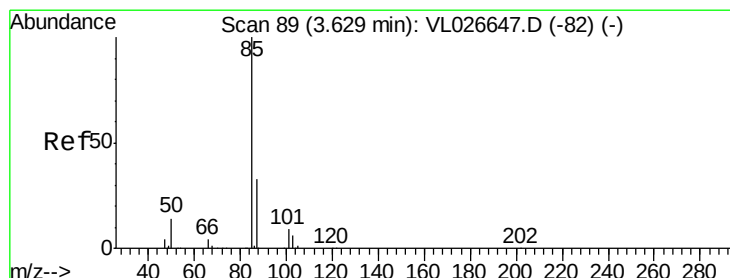
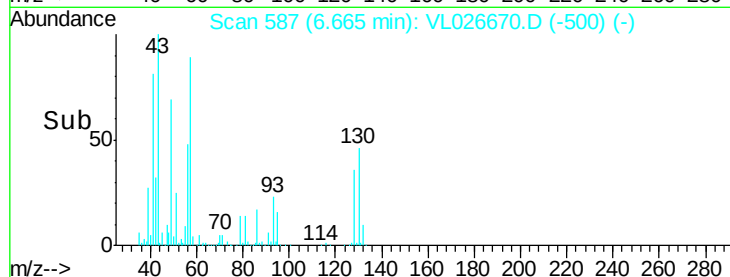
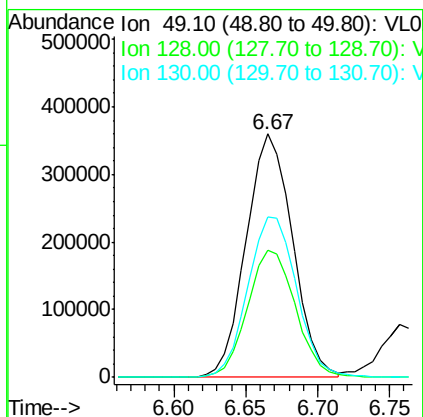
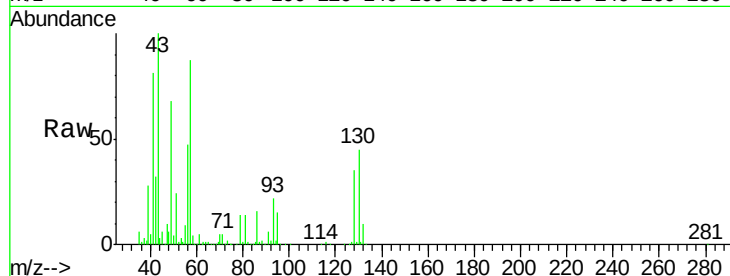
ClientSampleId :

VL0112ABS01

Tgt Ion:	49	Resp:	807030
Ion Ratio	Lower	Upper	
49	100		
128	54.4	25.9	77.7
130	69.8	33.6	100.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.20 ppbv

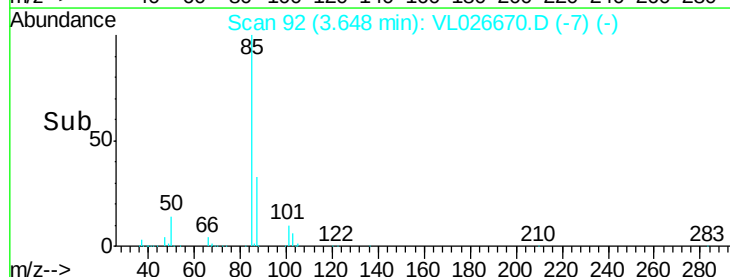
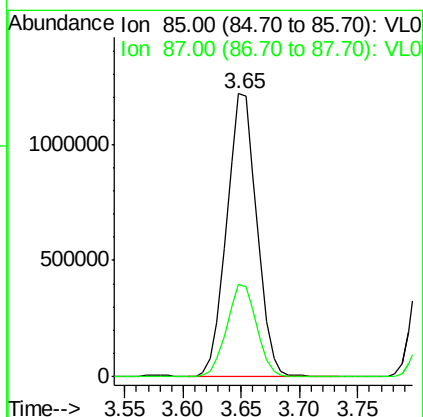
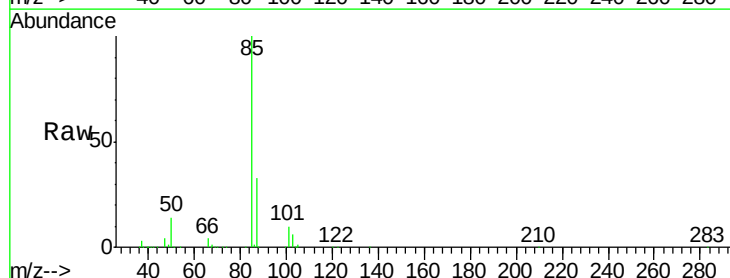
RT: 3.65 min Scan# 92

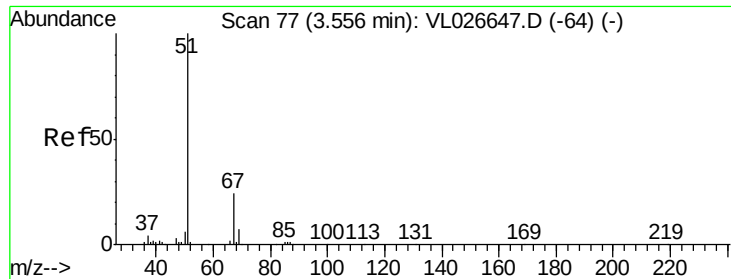
Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion:	85	Resp:	2188329
Ion Ratio	Lower	Upper	
85	100		
87	32.7	26.4	39.6





#3

Chlorodifluoromethane

Concen: 9.29 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 51 Resp: 998377

Ion Ratio Lower Upper

51 100

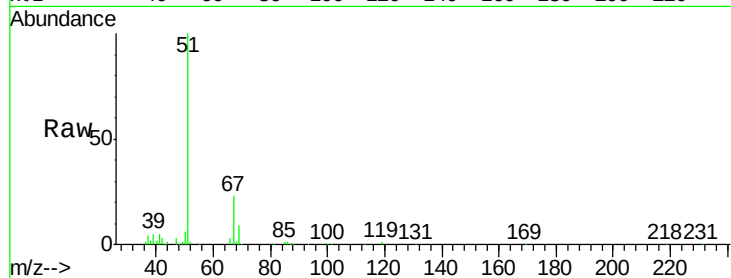
67 23.6 18.6 28.0

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.58

600000

500000

400000

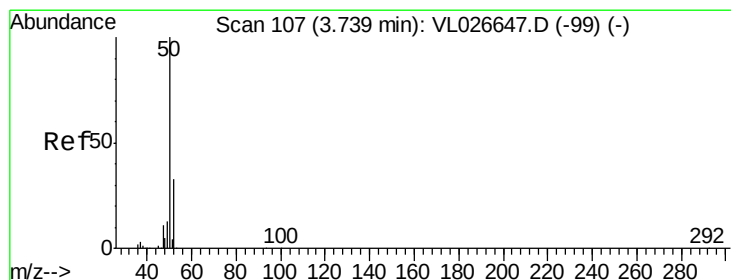
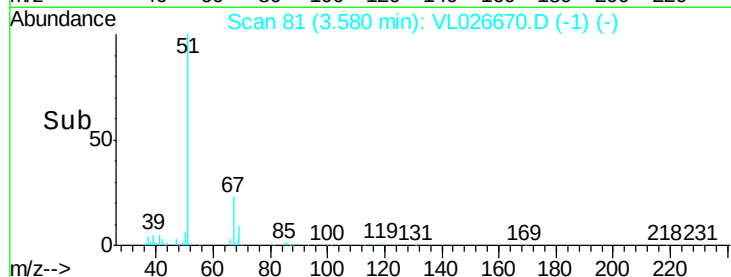
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 9.34 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.02 min

Lab File: VL026670.D

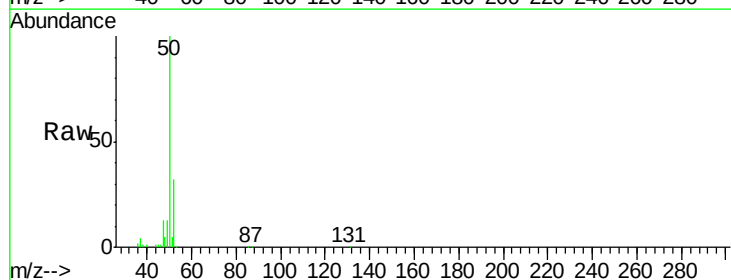
Acq: 12 Jan 2016 11:09

Tgt Ion: 50 Resp: 490949

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.76

250000

200000

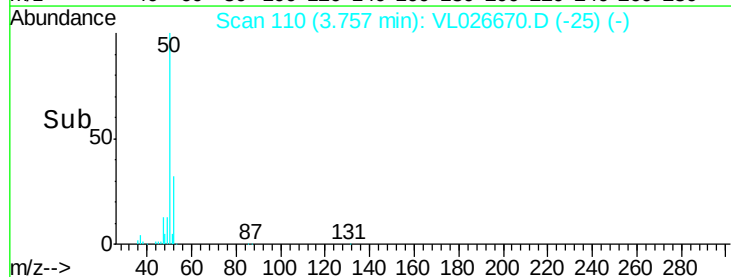
150000

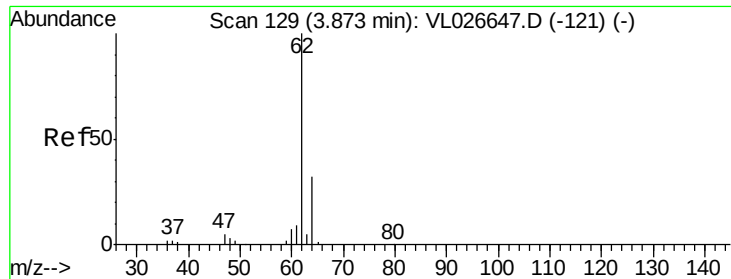
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 8.95 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 62 Resp: 570076

Ion Ratio Lower Upper

62 100

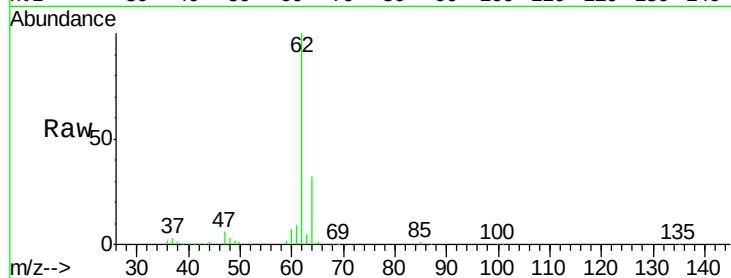
64 31.9 25.6 38.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

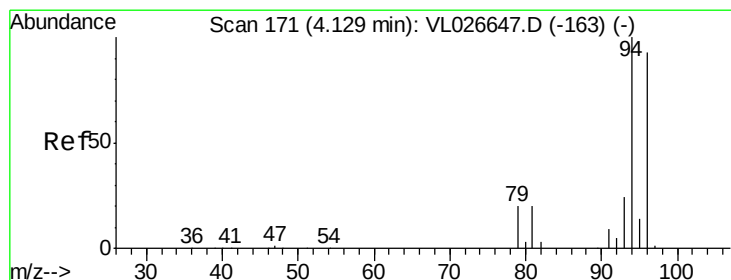
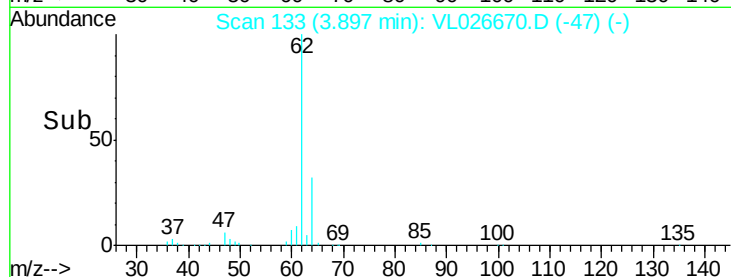
3.90

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.33 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.02 min

Lab File: VL026670.D

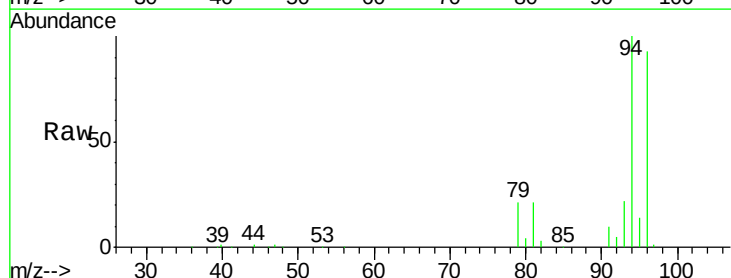
Acq: 12 Jan 2016 11:09

Tgt Ion: 94 Resp: 468252

Ion Ratio Lower Upper

94 100

96 93.2 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.15

250000

200000

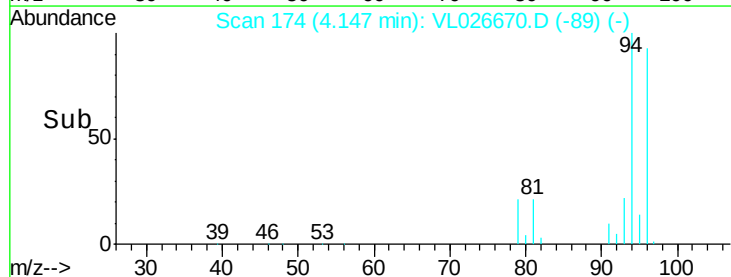
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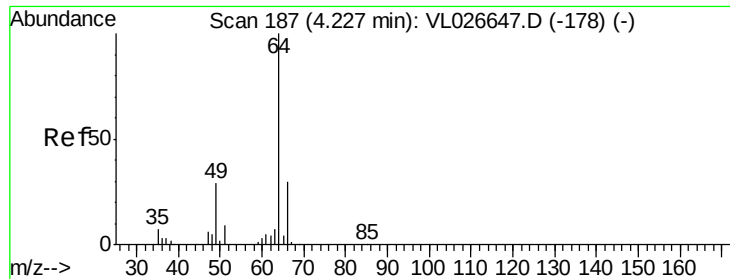
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.00 ppbv

RT: 4.24 min Scan# 190

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 64 Resp: 257385

Ion Ratio Lower Upper

64 100

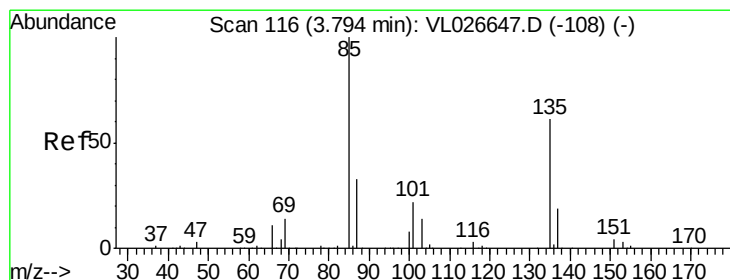
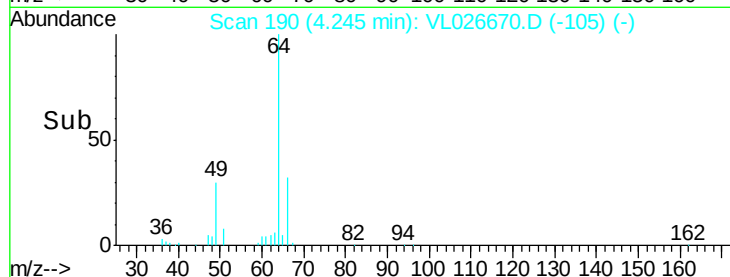
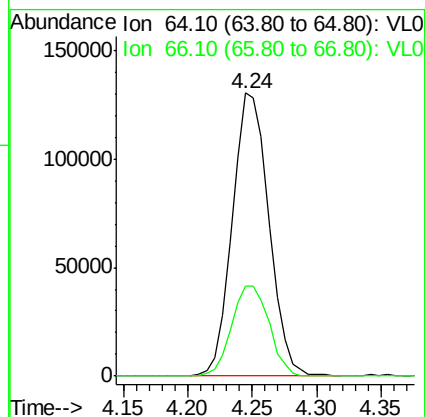
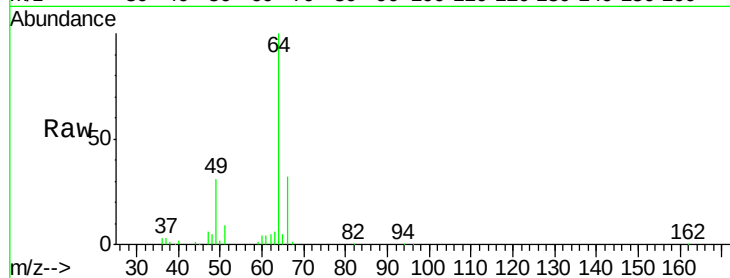
66 31.9 24.3 36.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.85 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.02 min

Lab File: VL026670.D

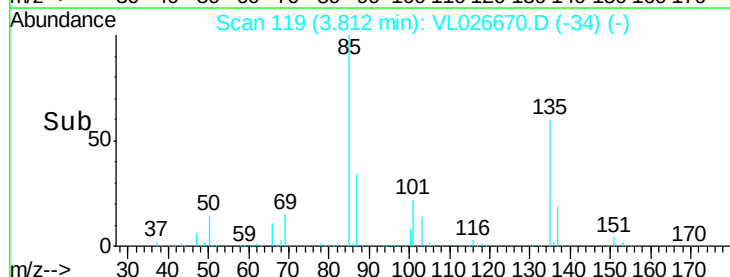
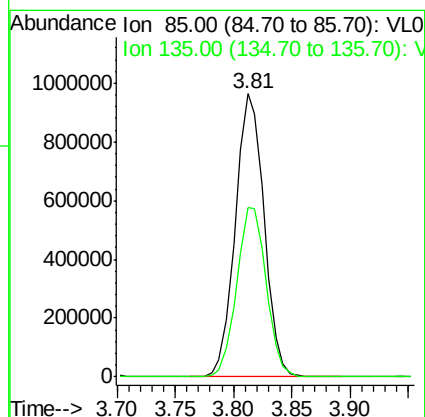
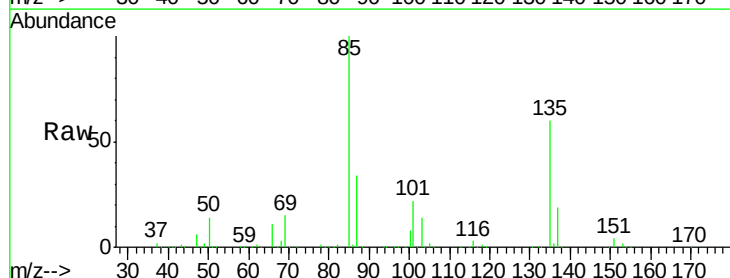
Acq: 12 Jan 2016 11:09

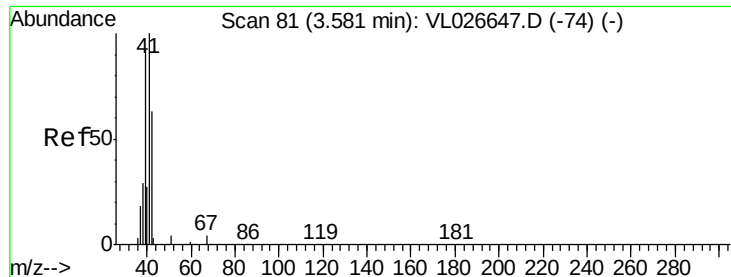
Tgt Ion: 85 Resp: 1661065

Ion Ratio Lower Upper

85 100

135 61.8 49.8 74.6





#9

Propene

Concen: 9.16 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 41 Resp: 353731

Ion Ratio Lower Upper

41 100

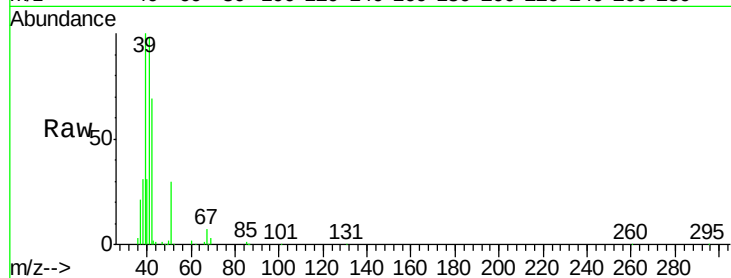
42 70.5 53.6 80.4

Manual Integrations

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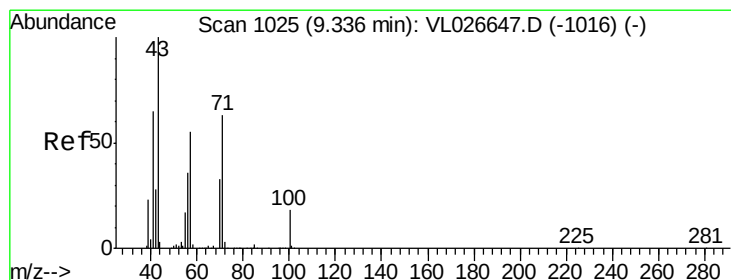
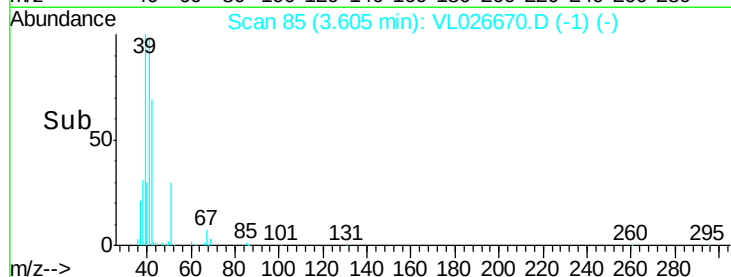
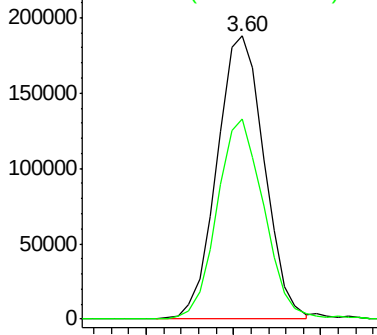
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.23 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.03 min

Lab File: VL026670.D

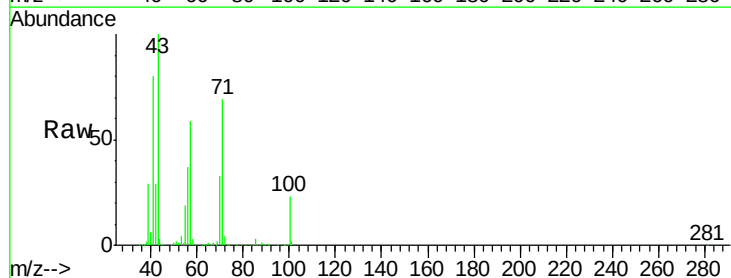
Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1328380

Ion Ratio Lower Upper

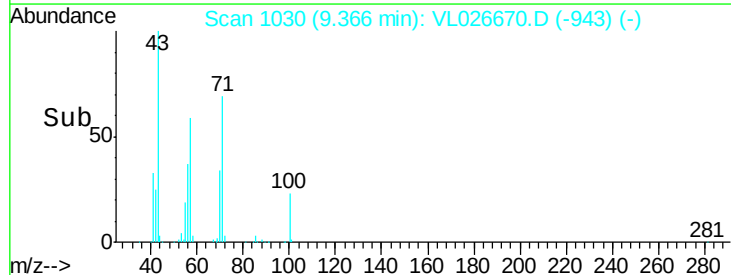
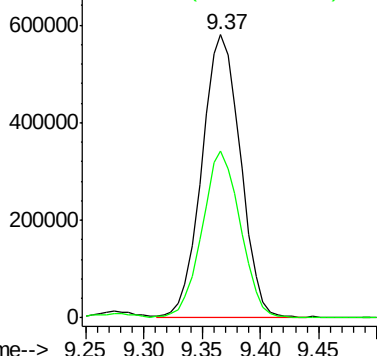
43 100

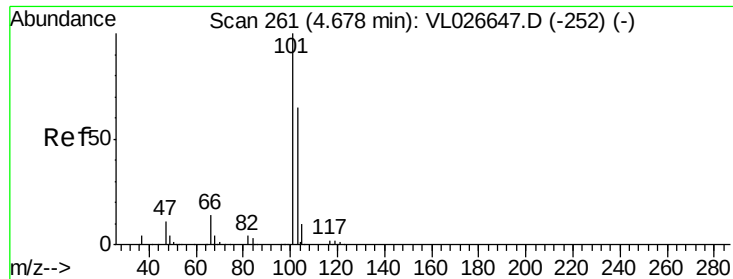
57 60.9 45.8 68.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.17 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion:101 Resp: 2263070

Ion Ratio Lower Upper

101 100

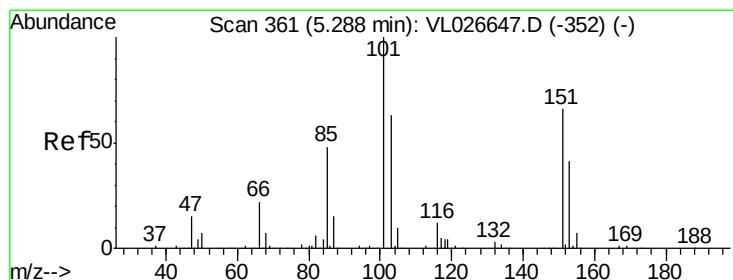
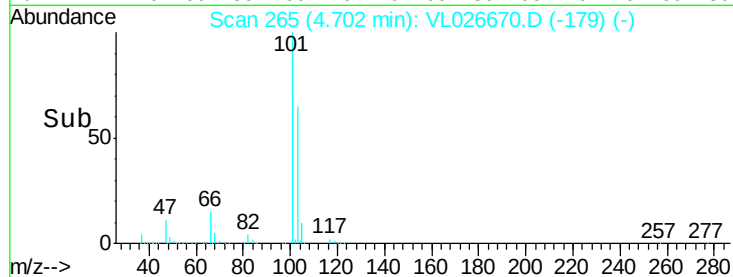
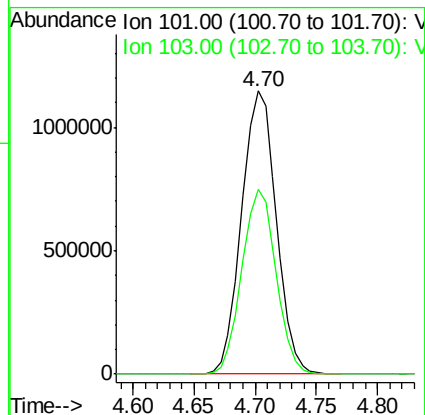
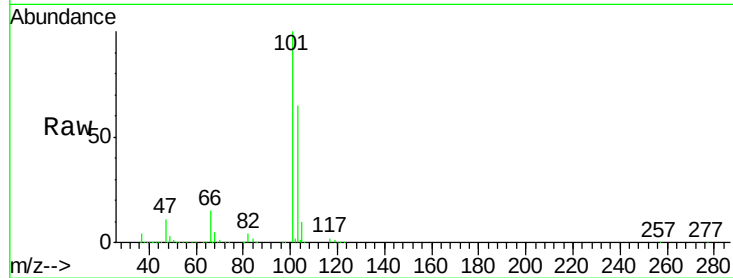
103 65.3 51.7 77.5

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.94 ppbv

RT: 5.31 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL026670.D

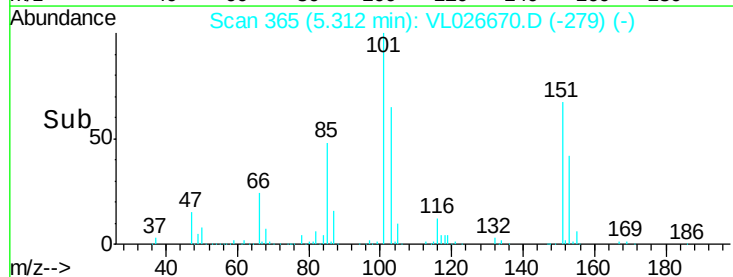
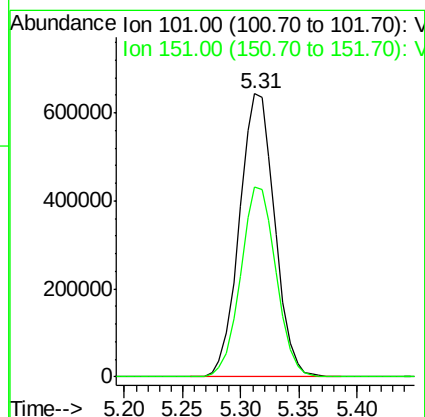
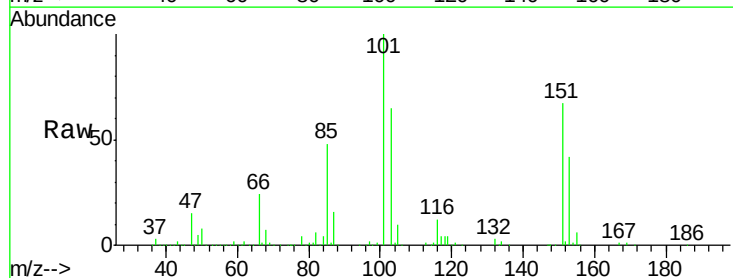
Acq: 12 Jan 2016 11:09

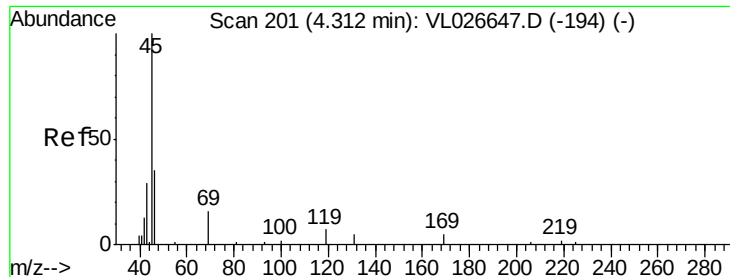
Tgt Ion:101 Resp: 1358649

Ion Ratio Lower Upper

101 100

151 67.4 54.2 81.4





#13

Ethanol

Concen: 6.55 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion: 45 Resp: 48040

Ion Ratio Lower Upper

45 100

46 43.8 16.7 66.7

Instrument :

MSVOA_L

ClientSampleId :

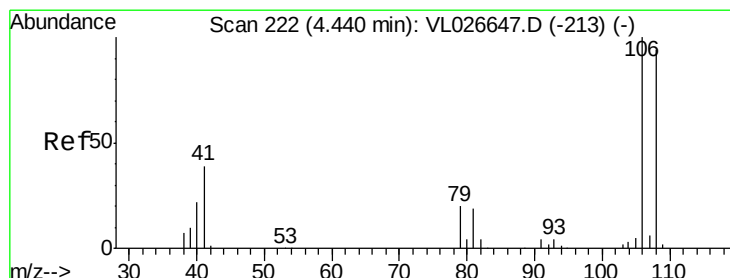
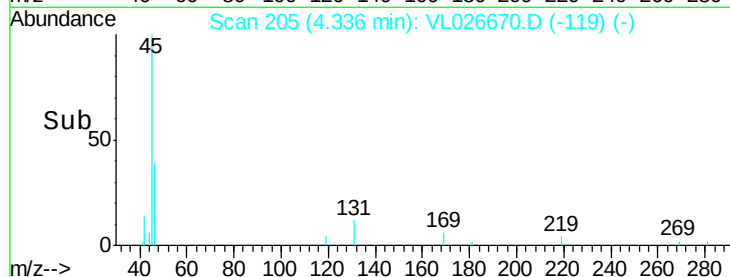
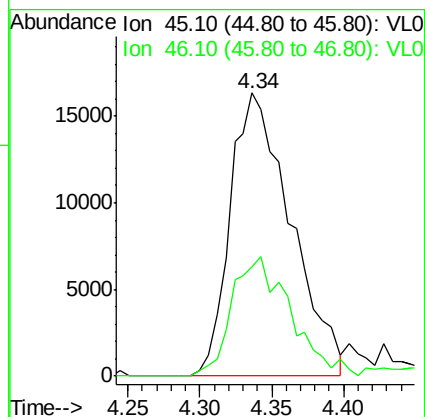
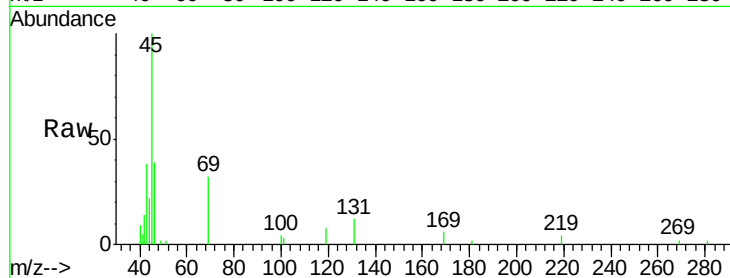
VL0112ABS01

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#14

Bromoethene

Concen: 10.22 ppbv

RT: 4.46 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

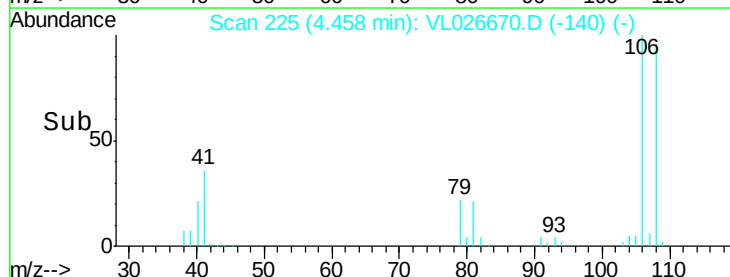
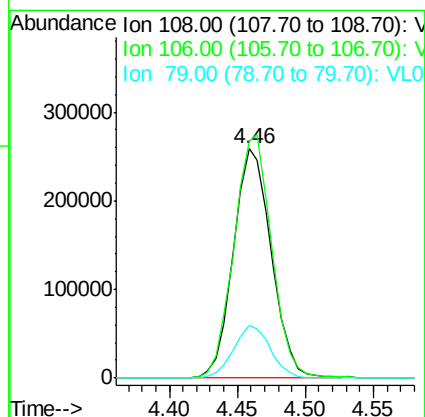
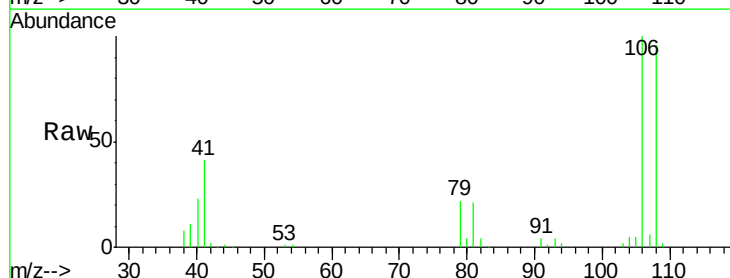
Tgt Ion: 108 Resp: 503245

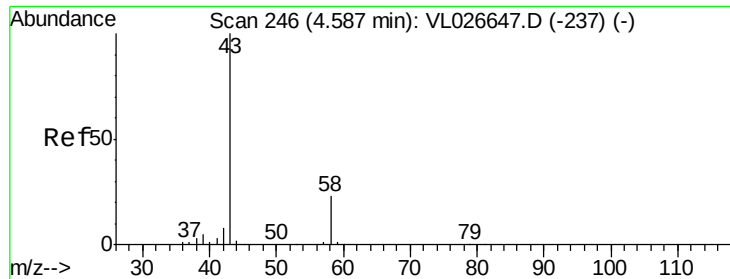
Ion Ratio Lower Upper

108 100

106 106.3 86.4 129.6

79 22.6 17.2 25.8





#15

Acetone

Concen: 8.39 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 43 Resp: 1114128

Ion Ratio Lower Upper

43 100

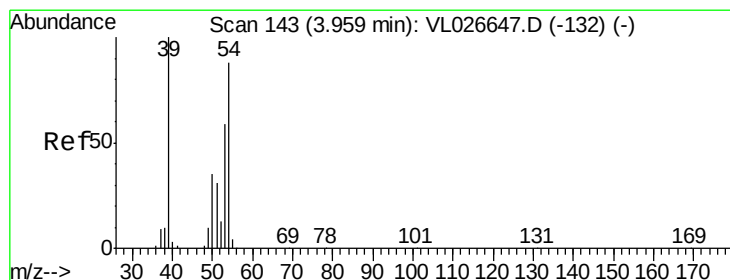
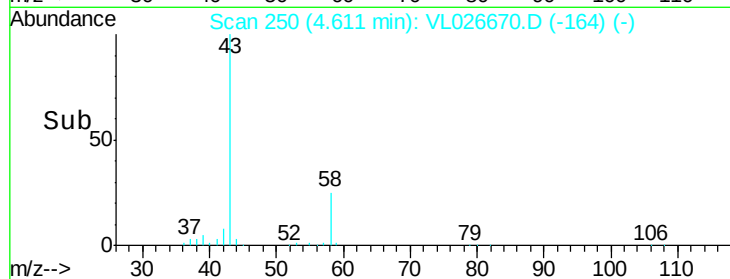
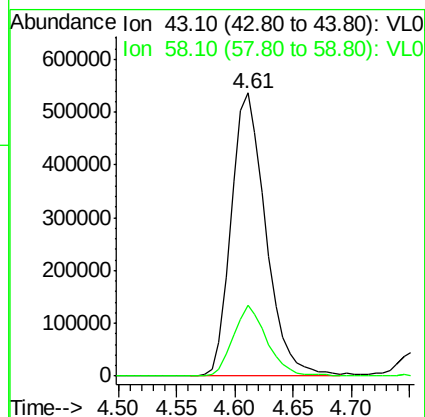
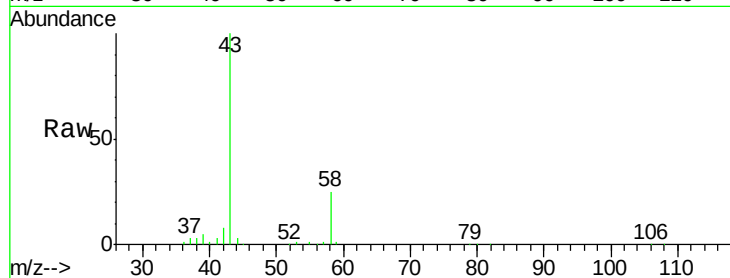
58 24.3 19.2 28.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.73 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.02 min

Lab File: VL026670.D

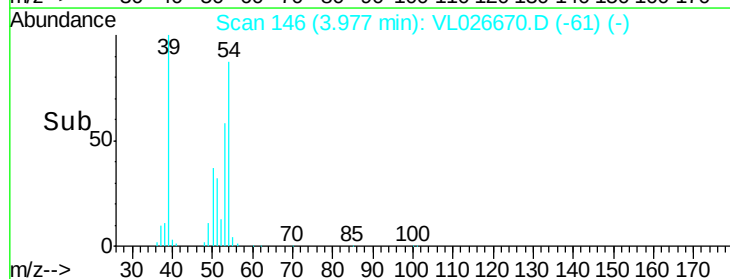
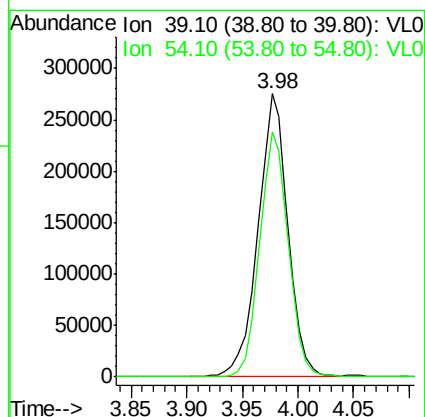
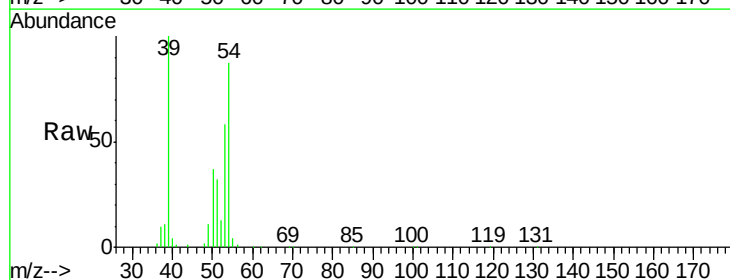
Acq: 12 Jan 2016 11:09

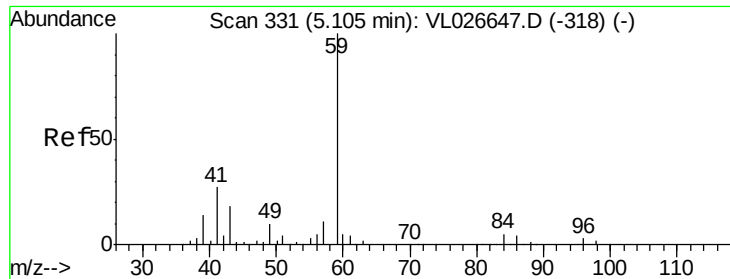
Tgt Ion: 39 Resp: 515481

Ion Ratio Lower Upper

39 100

54 83.2 66.6 100.0





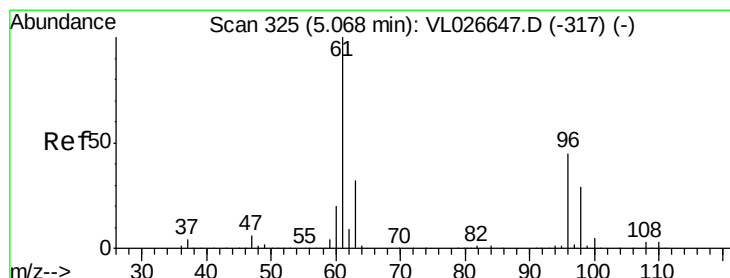
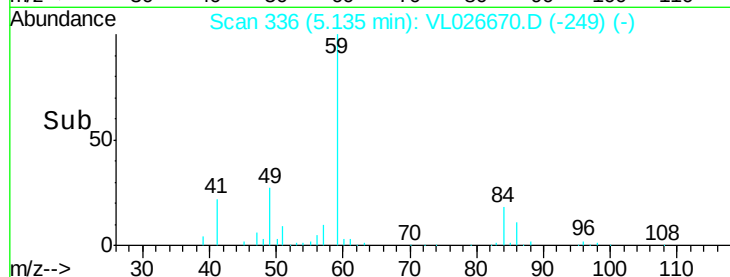
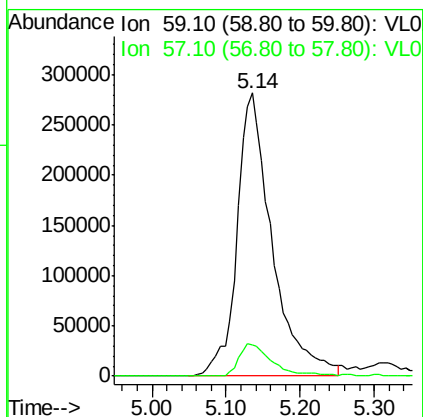
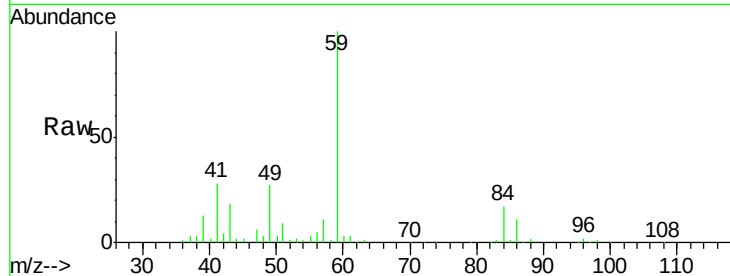
#17
 tert-Butyl alcohol
 Concen: 9.33 ppbv
 RT: 5.14 min Scan# 336
 Delta R.T. 0.03 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 59 Resp: 933714
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.6

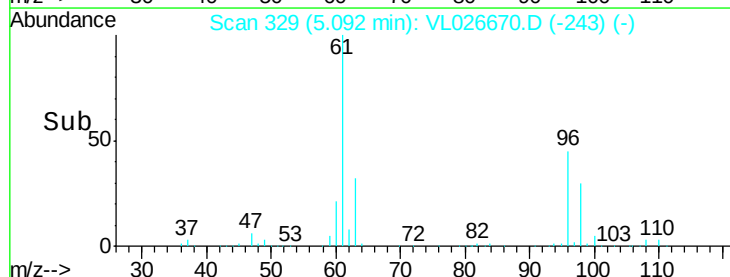
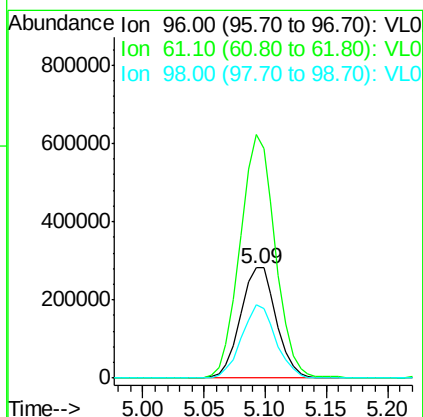
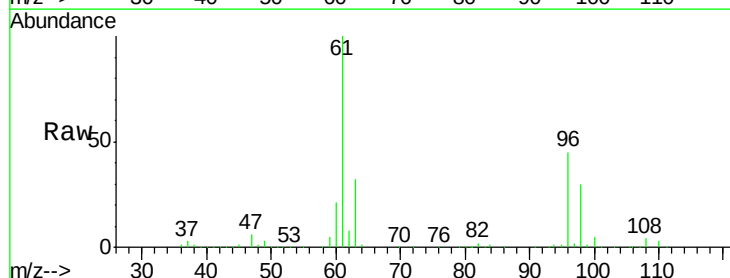
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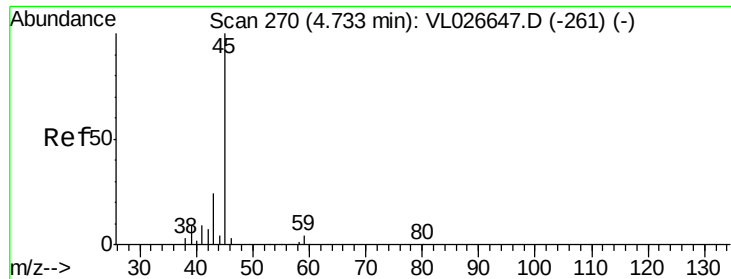
mohammad
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#18
 1,1-Dichloroethene
 Concen: 10.08 ppbv
 RT: 5.09 min Scan# 329
 Delta R.T. 0.02 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 96 Resp: 574413
 Ion Ratio Lower Upper
 96 100
 61 221.5 176.7 265.1
 98 66.4 51.8 77.6





#19

Isopropyl Alcohol

Concen: 8.61 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 45 Resp: 471287

Ion Ratio Lower Upper

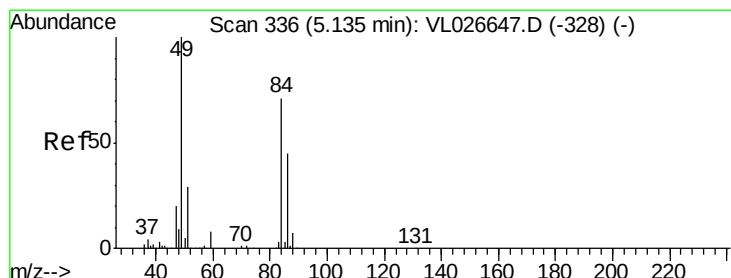
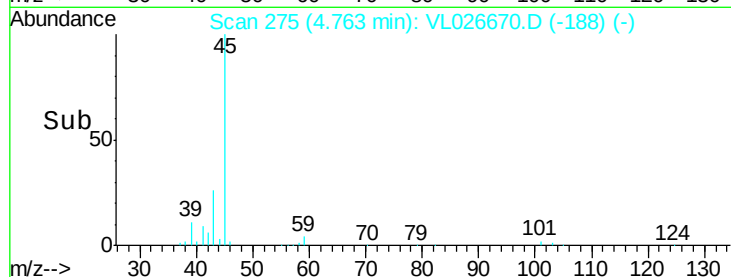
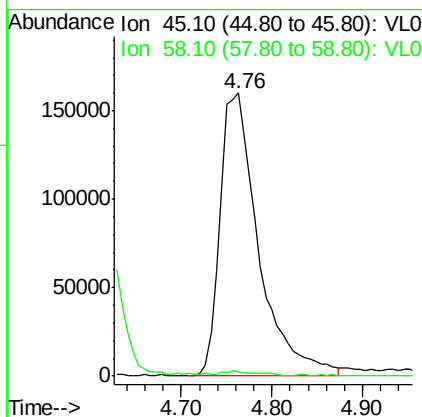
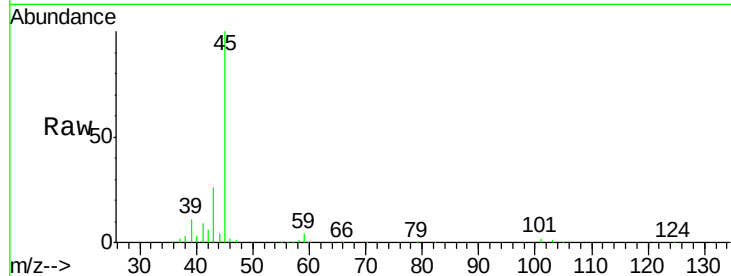
45 100

58 2.9 1.3 1.9#

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#20

Methylene Chloride

Concen: 9.46 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion: 84 Resp: 515316

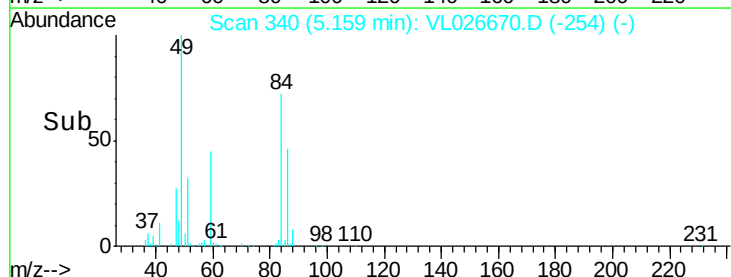
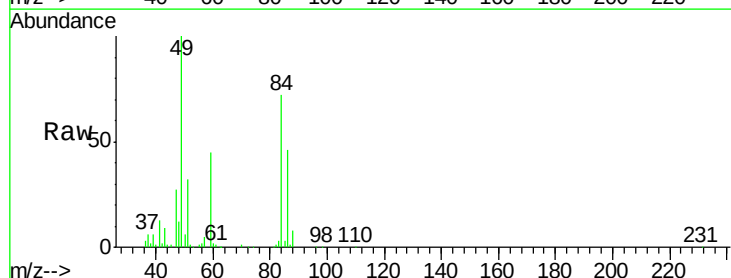
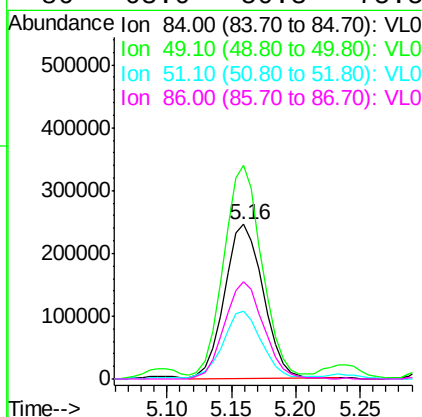
Ion Ratio Lower Upper

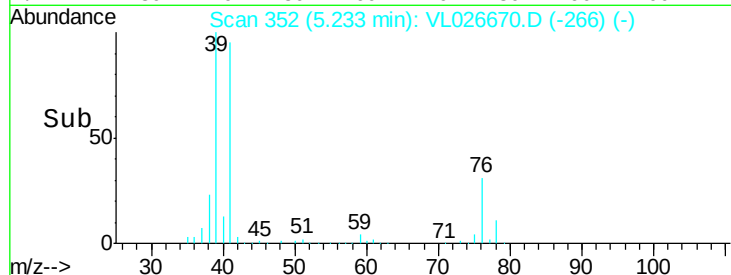
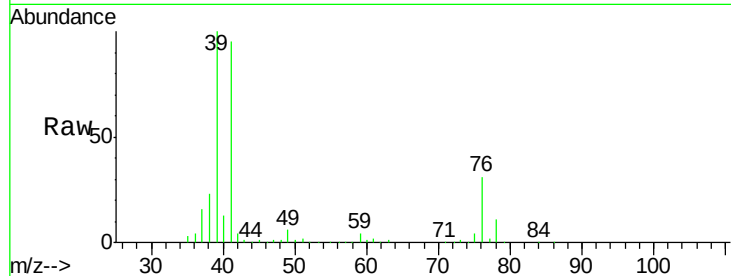
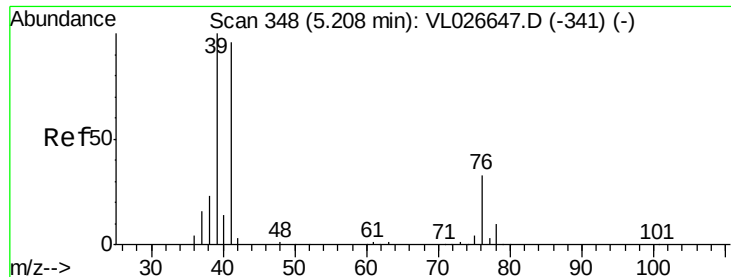
84 100

49 136.3 112.3 168.5

51 43.2 32.5 48.7

86 63.0 50.3 75.5





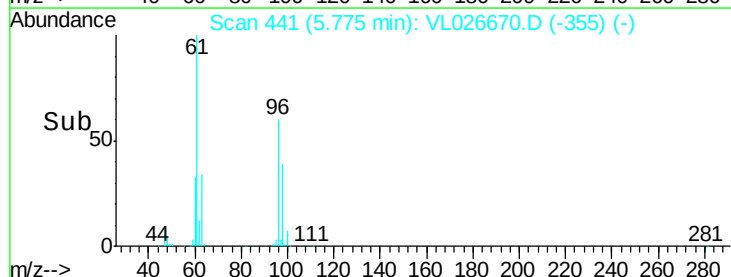
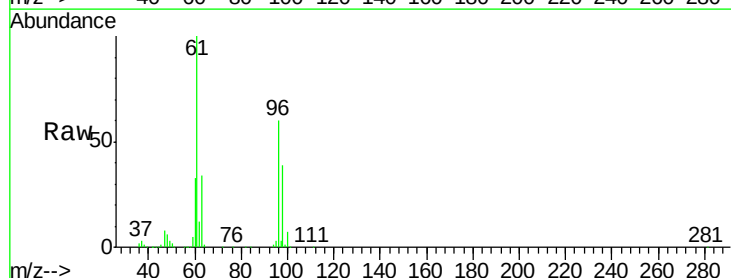
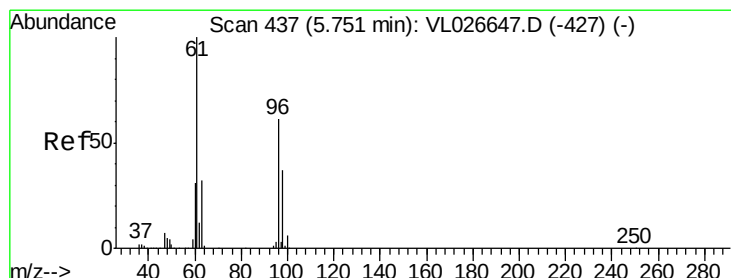
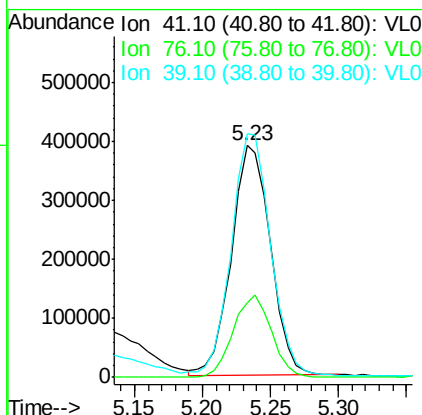
#21
 Allyl Chloride
 Concen: 9.59 ppbv
 RT: 5.23 min Scan# 352
 Delta R.T. 0.02 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
41	100		
76	35.2	27.5	41.3
39	107.8	83.0	124.6

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0112ABS01

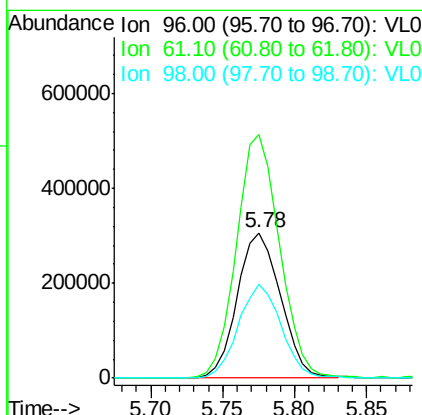
Manual Integrations
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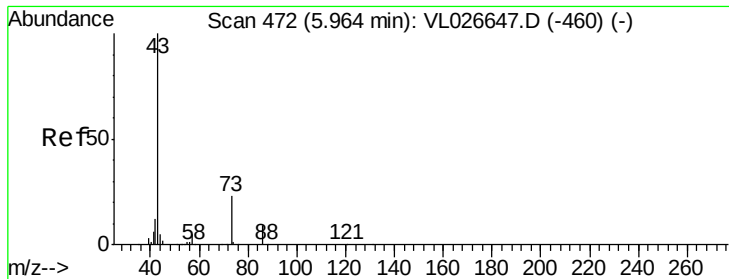
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#22
 trans-1,2-Dichloroethene
 Concen: 9.85 ppbv
 RT: 5.78 min Scan# 441
 Delta R.T. 0.02 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.0	196.6
98	64.7	48.1	72.1





#23

Vinyl Acetate

Concen: 9.11 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1856718

Ion Ratio Lower Upper

43 100

86 10.2 7.4 11.0

42 11.8 9.2 13.8

44 5.1 3.8 5.8

Instrument :

MSVOA_L

ClientSampleId :

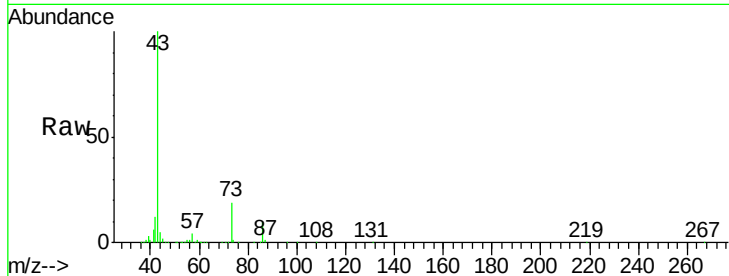
VL0112ABS01

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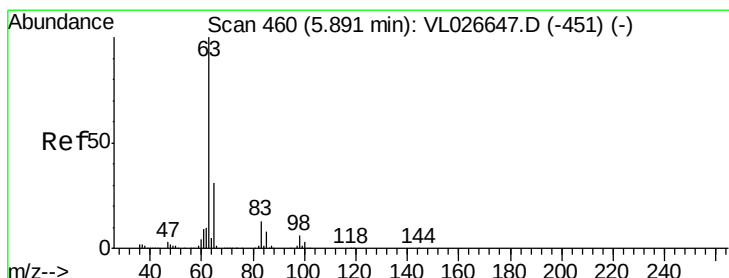
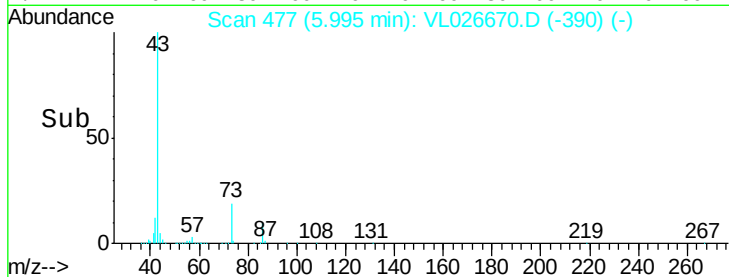
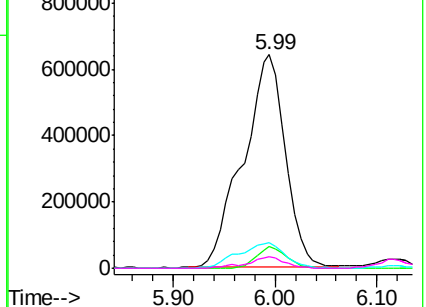


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.56 ppbv

RT: 5.92 min Scan# 465

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

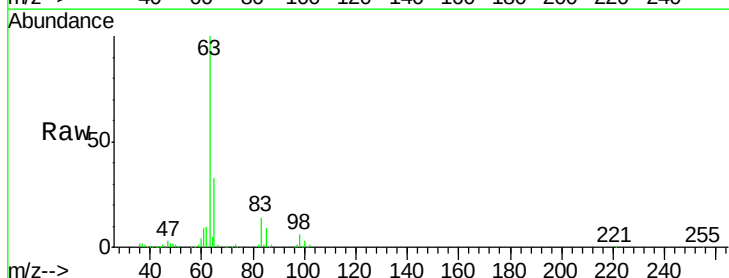
Tgt Ion: 63 Resp: 1404924

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

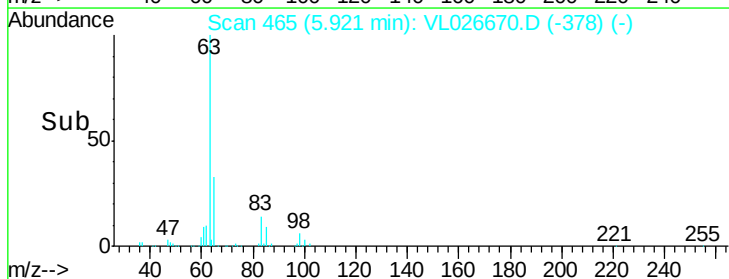
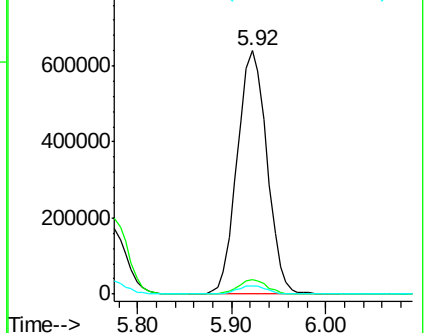
100 3.3 1.6 4.8

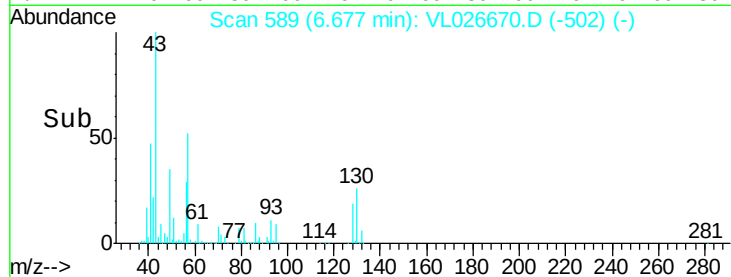
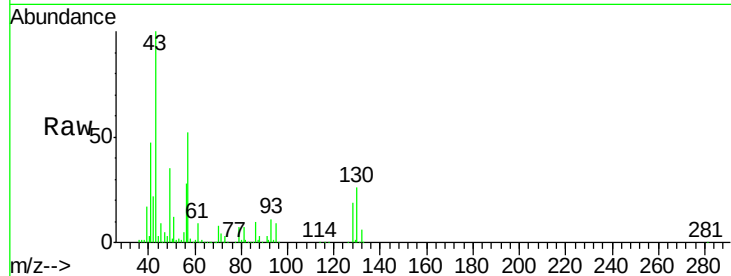
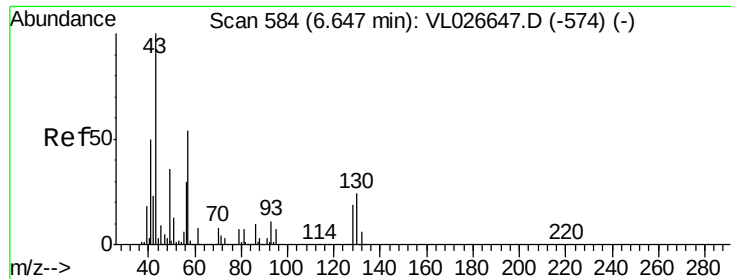


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.44 ppbv

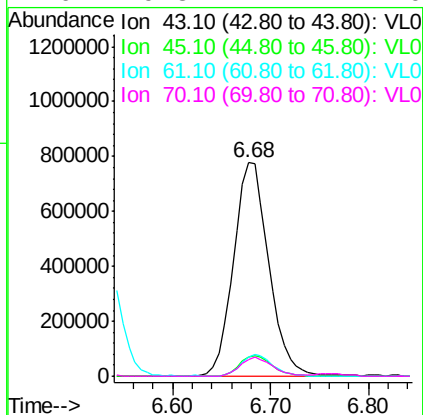
RT: 6.68 min Scan# 589

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.2	7.5	11.3
61	9.1	7.3	10.9
70	9.3	7.4	11.0



Instrument :

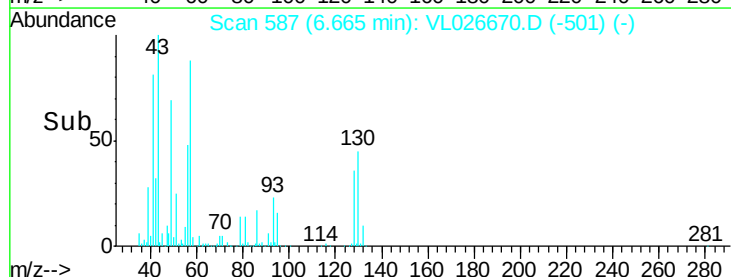
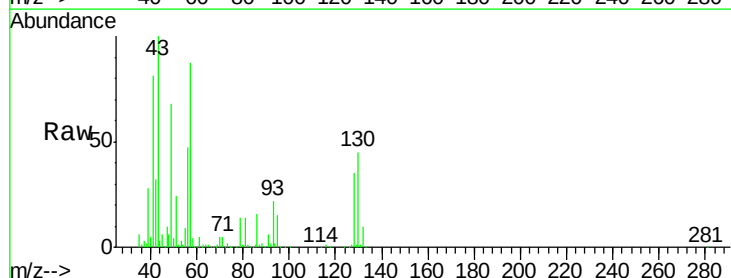
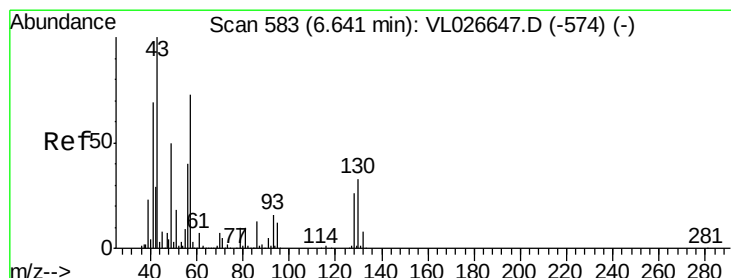
MSVOA_L

ClientSampleId :

VL0112ABS01

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#26

Hexane

Concen: 9.42 ppbv

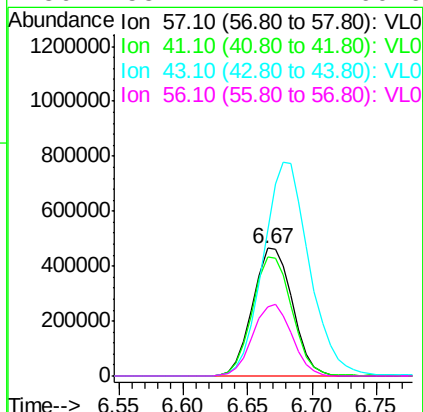
RT: 6.67 min Scan# 587

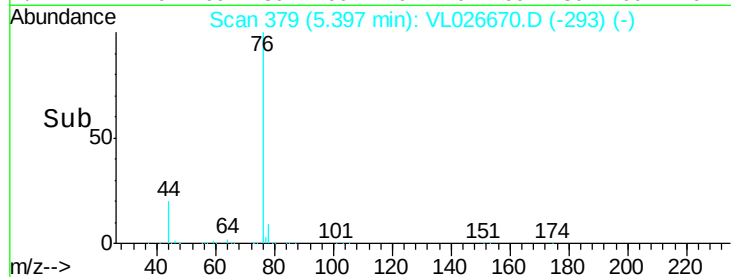
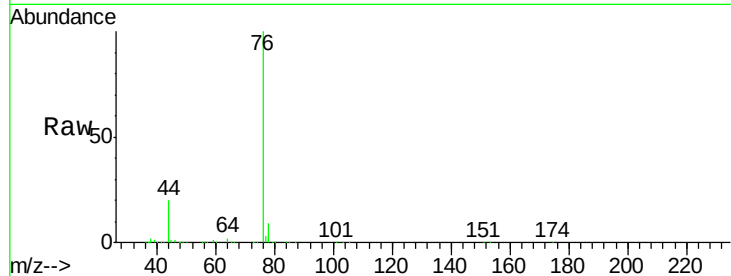
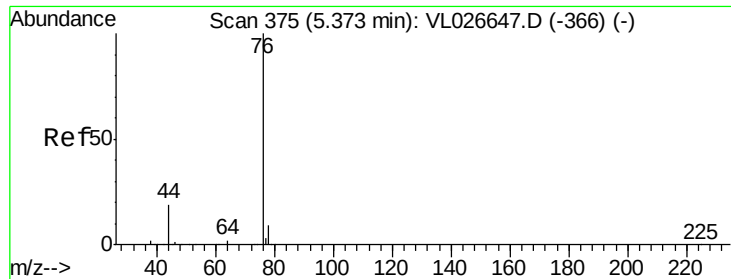
Delta R.T. 0.02 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.2	74.8	112.2
43	195.1	161.5	242.3
56	55.4	44.4	66.6





#27

Carbon Disulfide

Concen: 10.38 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.02 min

Lab File: VL026670.D

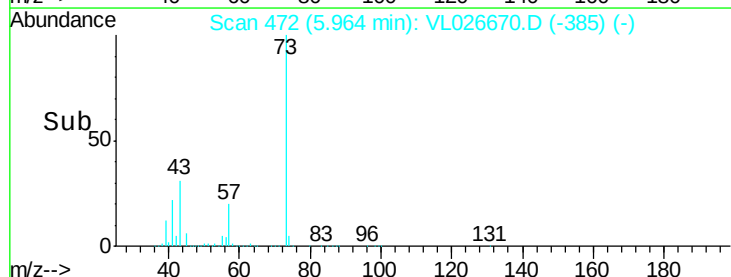
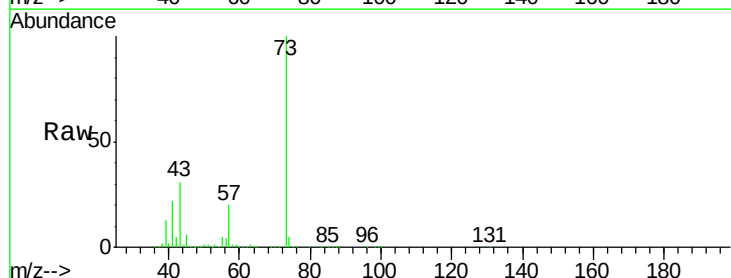
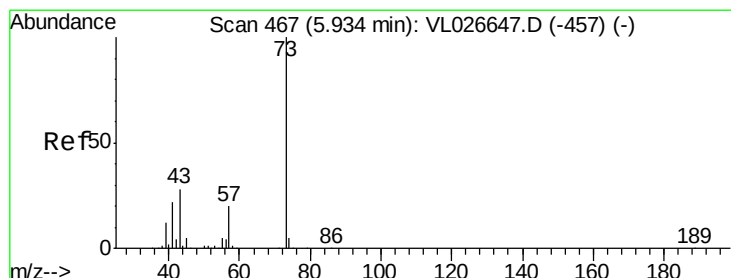
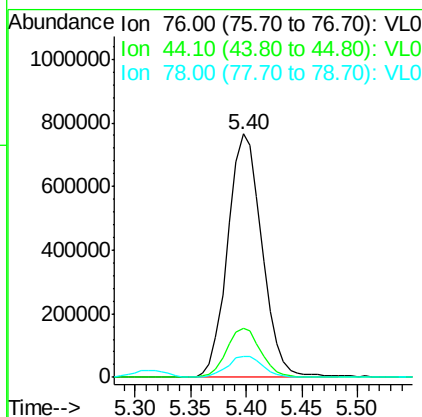
Acq: 12 Jan 2016 11:09

Tgt Ion:	76	Resp:	1635062
Ion	Ratio	Lower	Upper
76	100		
44	20.5	15.9	23.9
78	9.3	7.6	11.4

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.91 ppbv

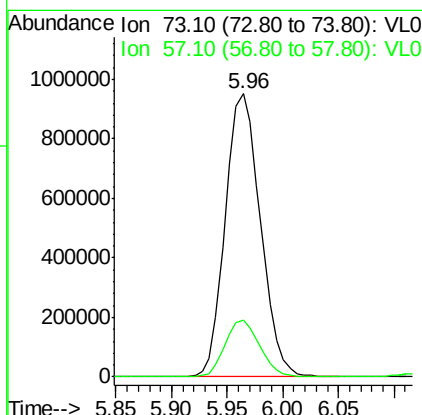
RT: 5.96 min Scan# 472

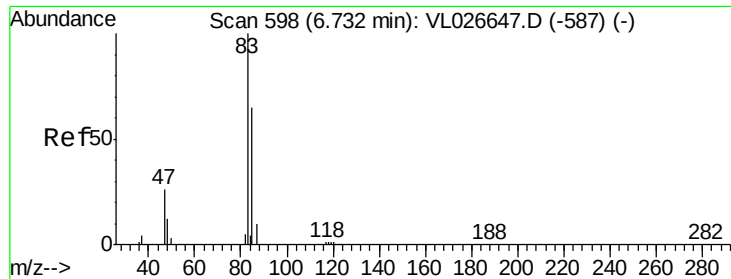
Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion:	73	Resp:	2086985
Ion	Ratio	Lower	Upper
73	100		
57	19.8	16.2	24.4





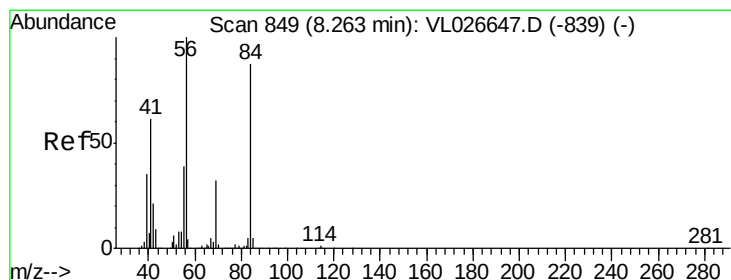
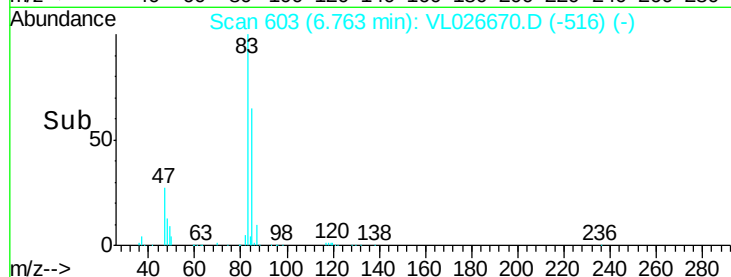
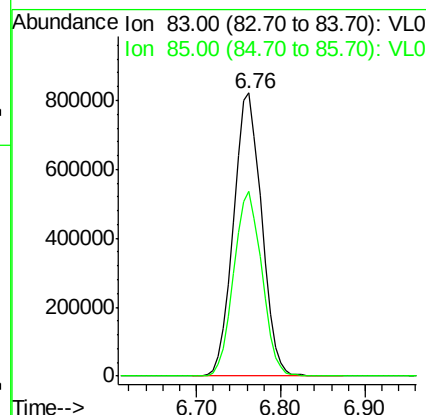
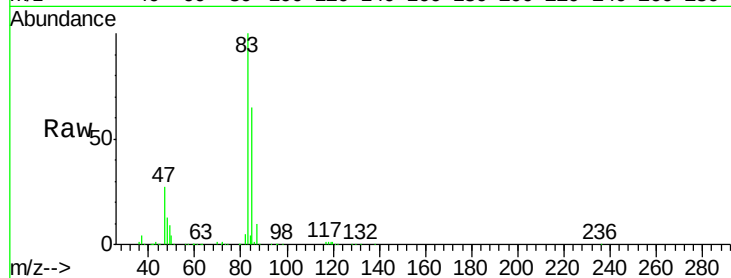
#29
Chloroform
Concen: 9.69 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 83 Resp: 1863762
Ion Ratio Lower Upper
83 100
85 65.3 51.6 77.4

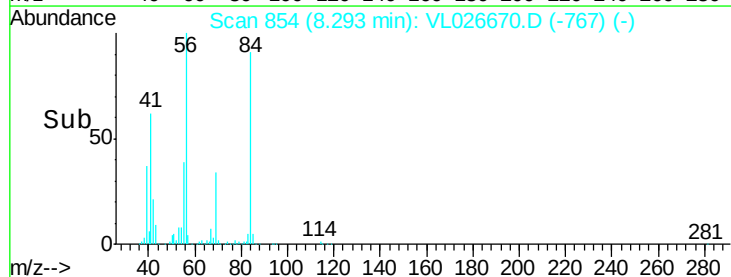
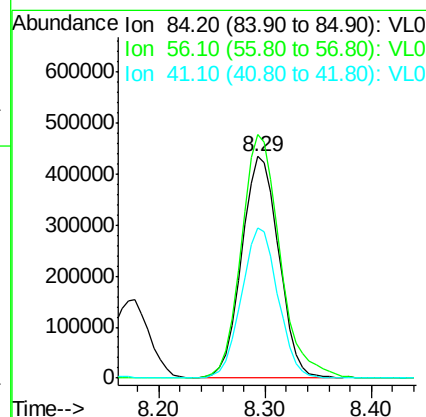
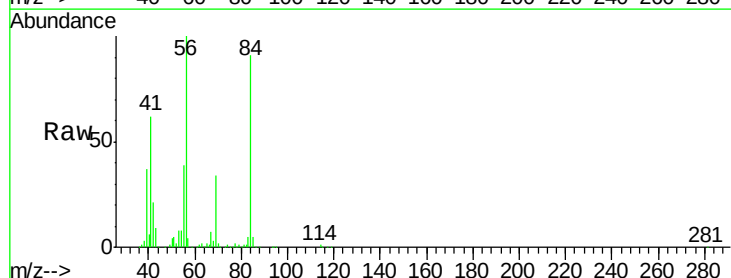
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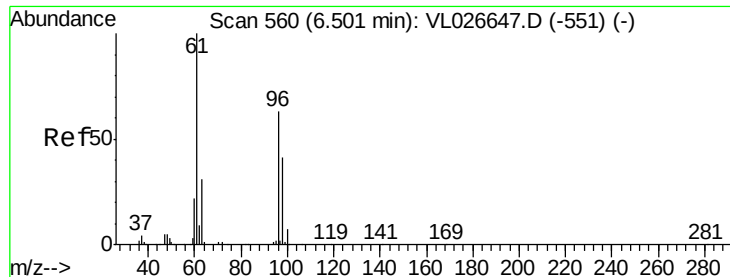
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#30
Cyclohexane
Concen: 10.22 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 84 Resp: 1068857
Ion Ratio Lower Upper
84 100
56 114.1 95.9 143.9
41 66.6 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 9.97 ppbv

RT: 6.53 min Scan# 565

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 61 Resp: 1064780

Ion Ratio Lower Upper

61 100

96 65.4 50.2 75.4

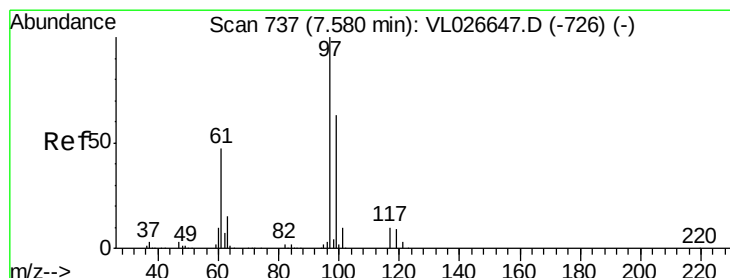
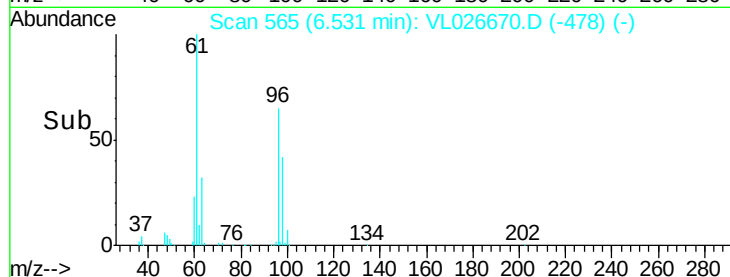
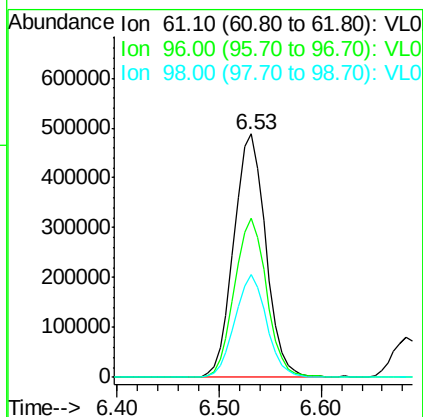
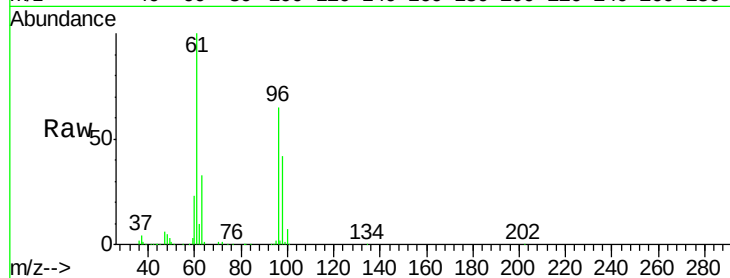
98 42.2 32.4 48.6

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#32

1,1,1-Trichloroethane

Concen: 9.45 ppbv

RT: 7.61 min Scan# 742

Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

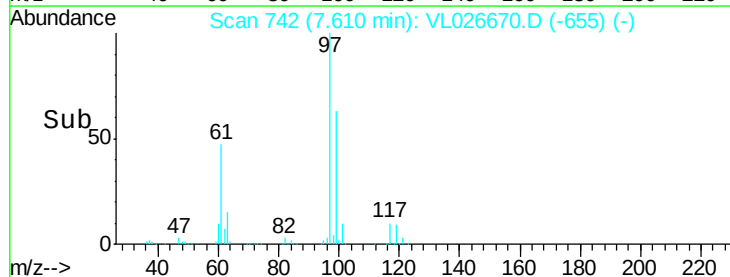
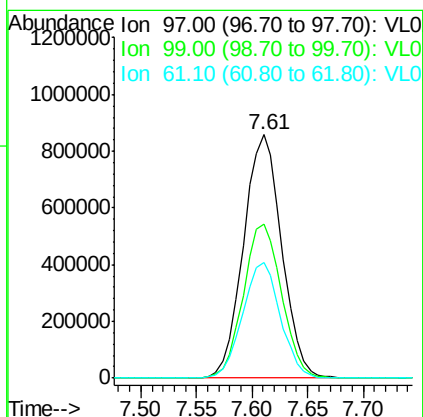
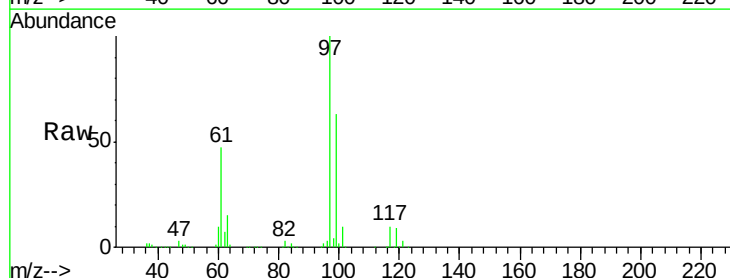
Tgt Ion: 97 Resp: 2051766

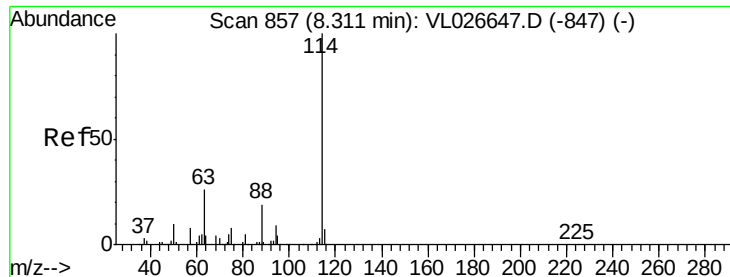
Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

61 47.0 38.9 58.3





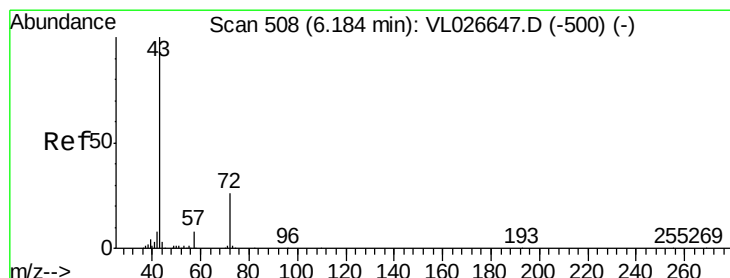
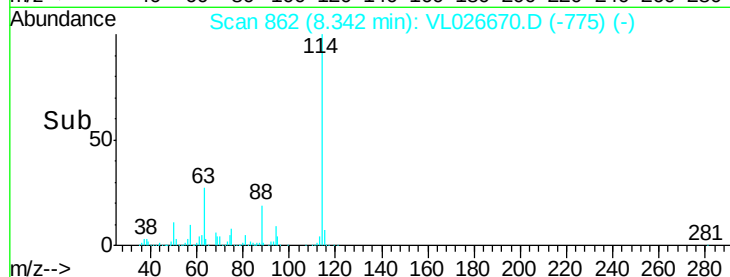
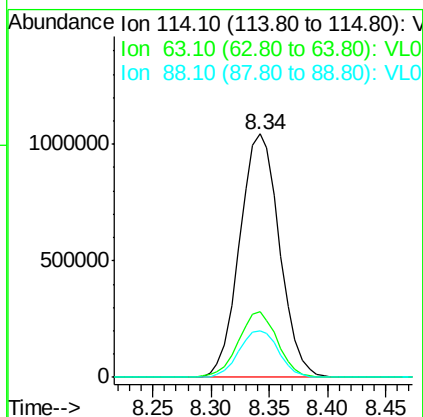
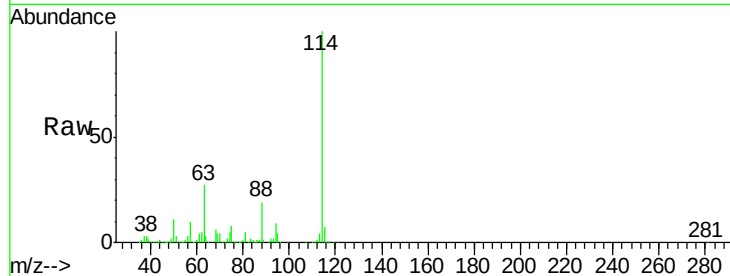
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 862
 Delta R.T. 0.03 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 114 Resp: 2494563
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.7 32.5
 88 19.2 15.2 22.8

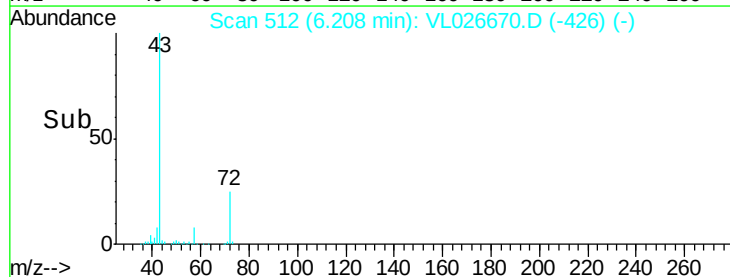
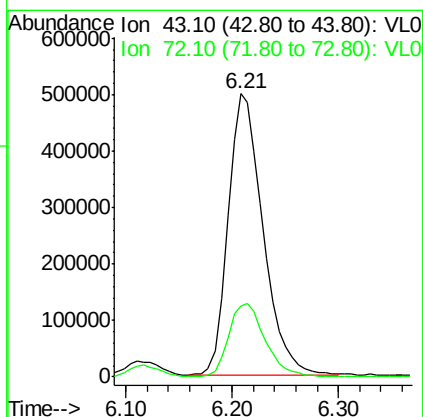
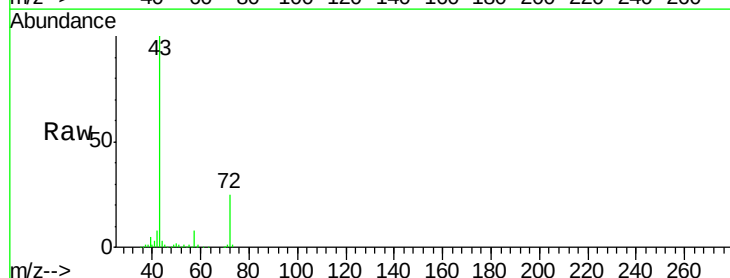
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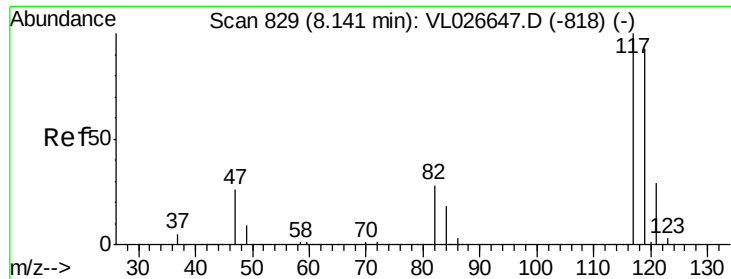
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#34
 2-Butanone
 Concen: 8.56 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1138813
 Ion Ratio Lower Upper
 43 100
 72 27.6 20.9 31.3





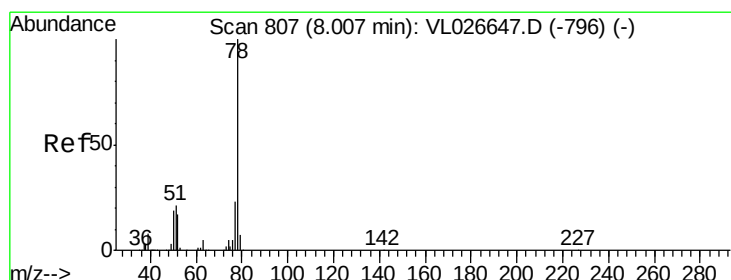
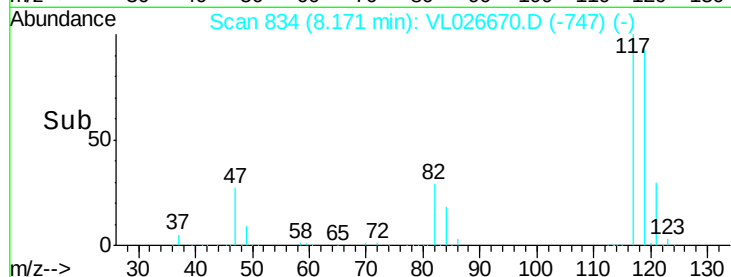
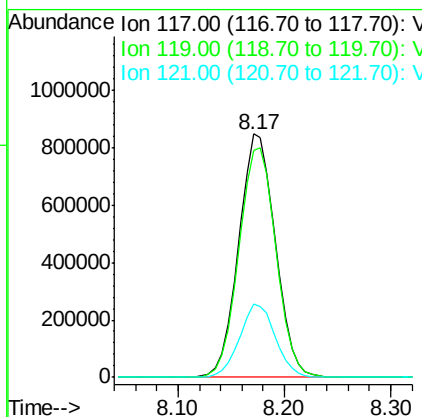
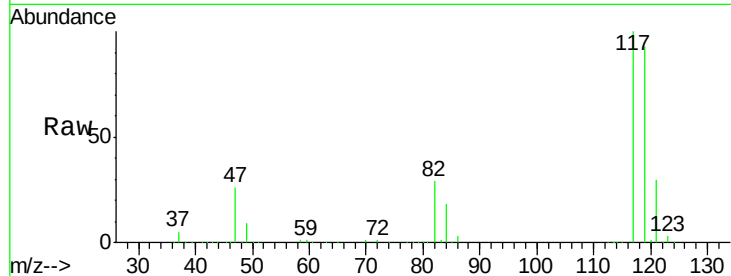
#35
Carbon Tetrachloride
Concen: 9.35 ppbv
RT: 8.17 min Scan# 834
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 117 Resp: 2051941
Ion Ratio Lower Upper
117 100
119 92.9 74.7 112.1
121 30.2 23.1 34.7

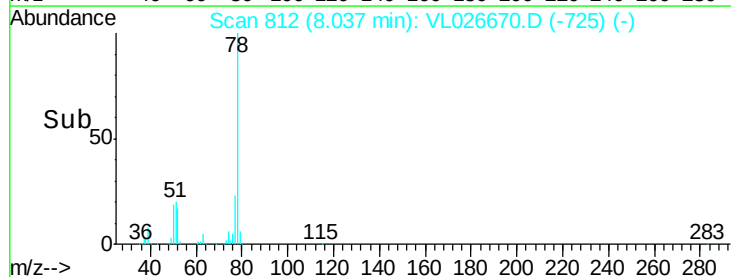
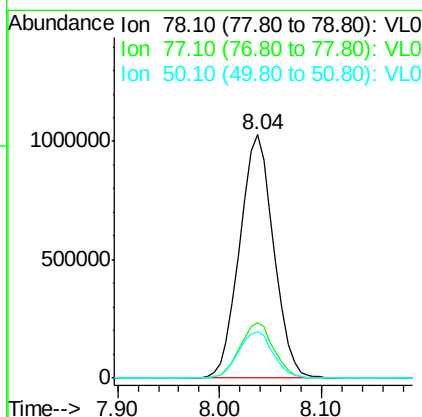
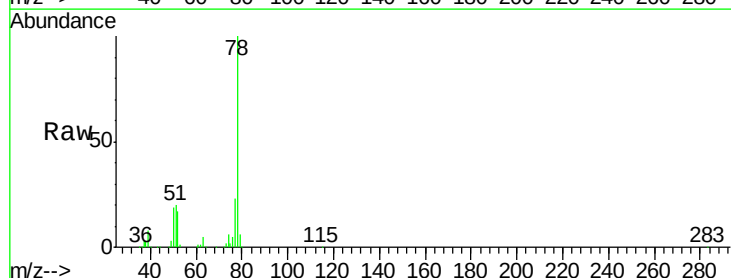
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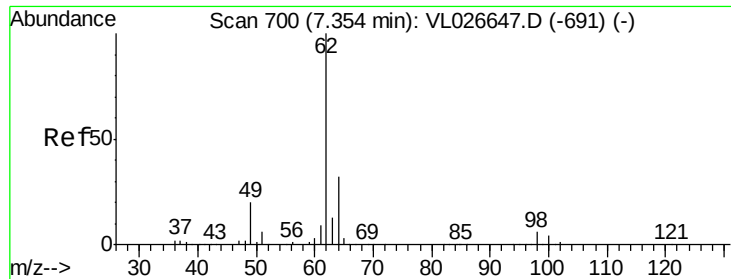
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#36
Benzene
Concen: 9.26 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 78 Resp: 2378415
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7
50 19.0 15.4 23.2





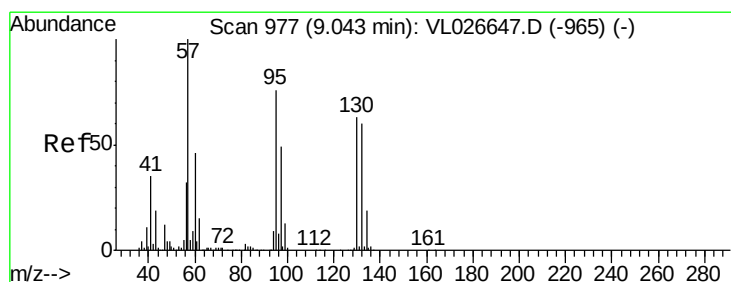
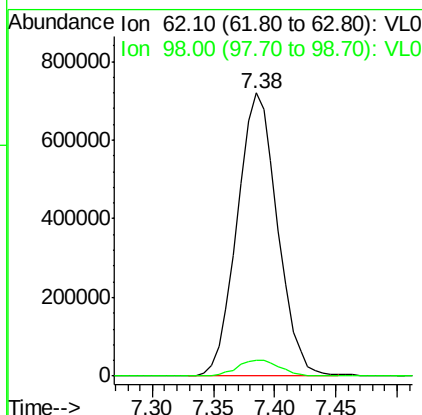
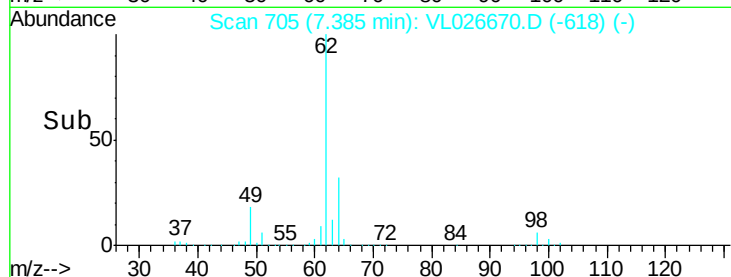
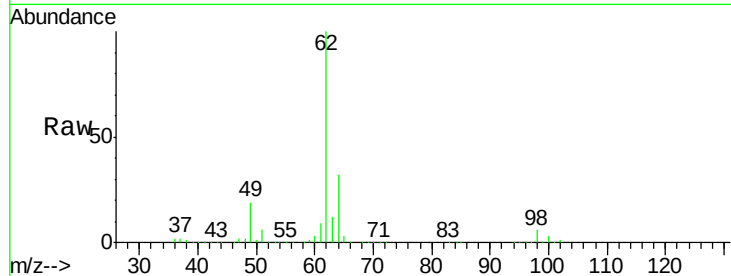
#37
 1,2-Dichloroethane
 Concen: 9.39 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.03 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 62 Resp: 1649161
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2

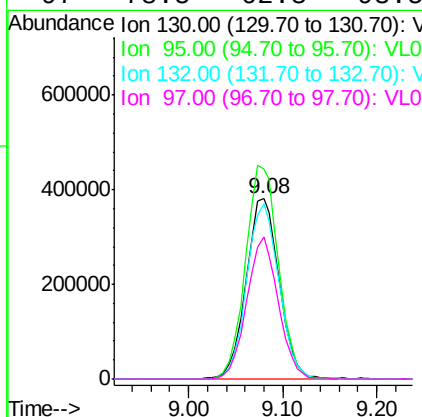
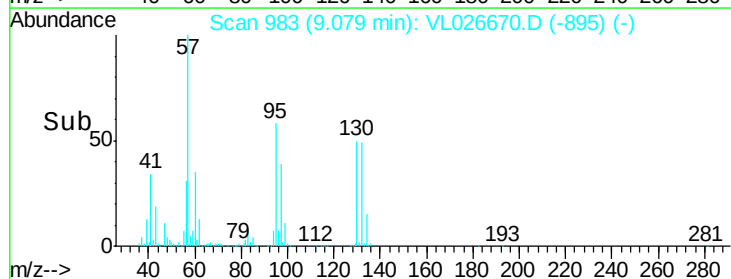
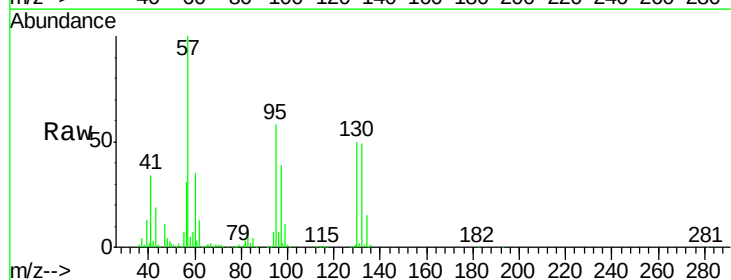
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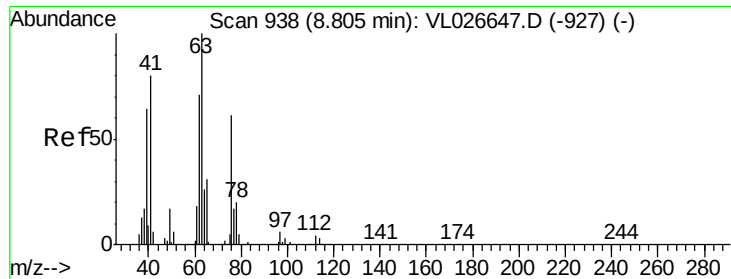
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#38
 Trichloroethene
 Concen: 8.20 ppbv
 RT: 9.08 min Scan# 983
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 130 Resp: 939509
 Ion Ratio Lower Upper
 130 100
 95 116.4 96.6 145.0
 132 97.4 76.2 114.4
 97 78.5 62.3 93.5





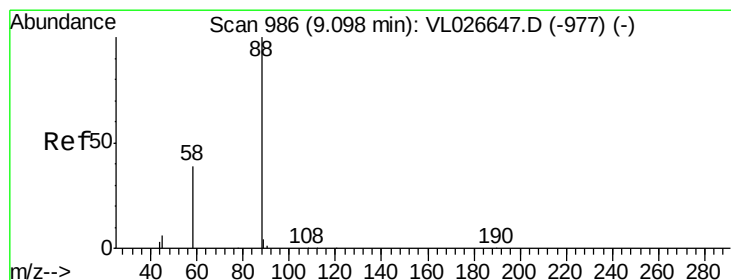
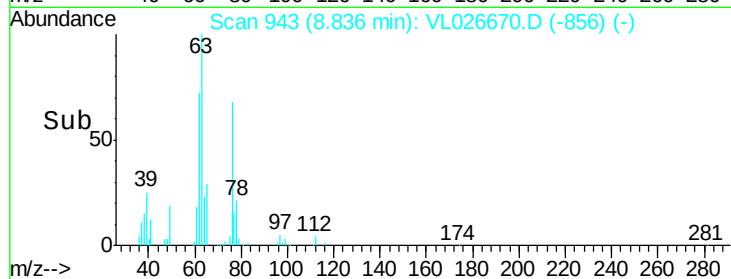
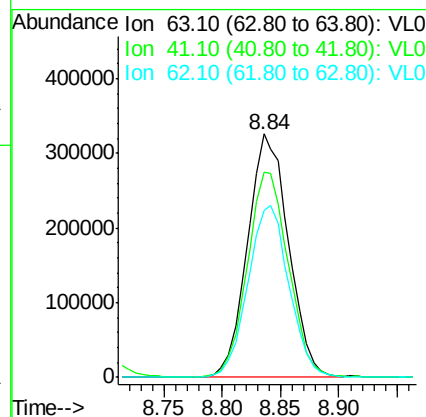
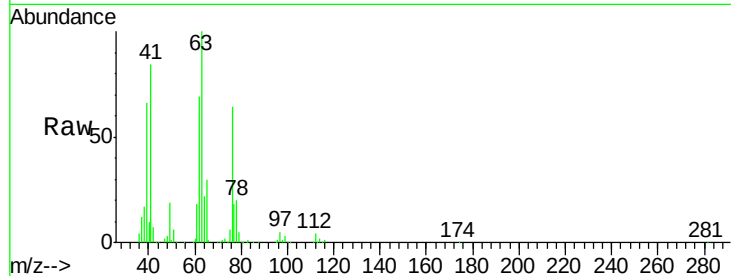
#39
 1,2-Dichloropropane
 Concen: 8.97 ppbv
 RT: 8.84 min Scan# 943
 Delta R.T. 0.03 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	795966		
41	84.1		64.1	96.1
62	68.7		56.6	84.8

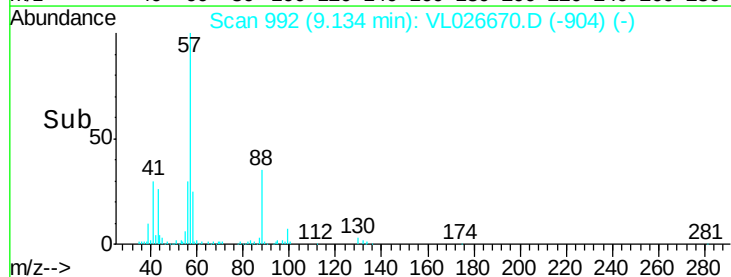
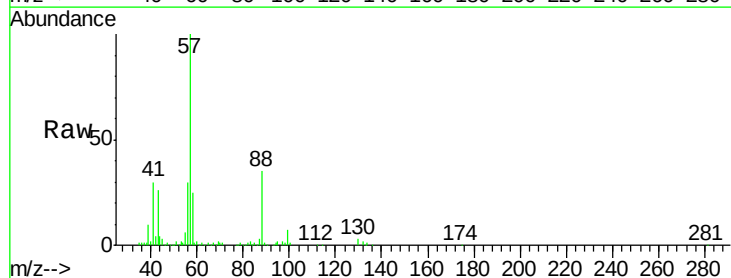
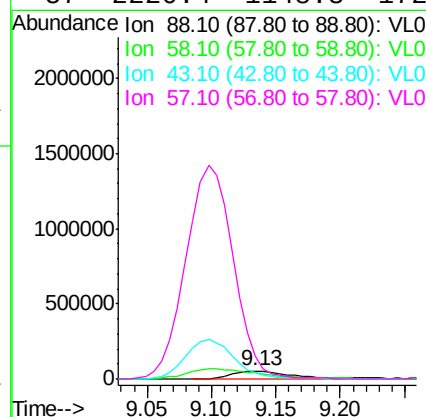
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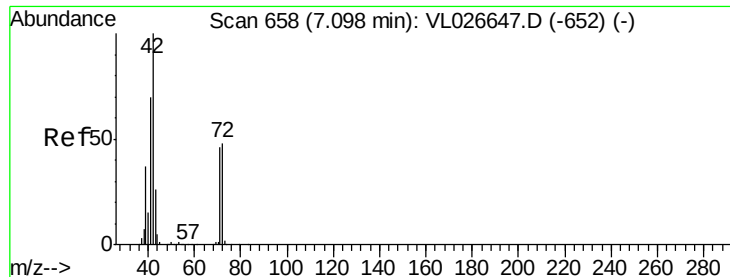
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#40
 1,4-Dioxane
 Concen: 8.10 ppbv
 RT: 9.13 min Scan# 992
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	165221		
58	173.9		109.4	164.2#
43	430.0		238.2	357.2#
57	2220.4		1148.3	1722.5#





#41

Tetrahydrofuran

Concen: 9.23 ppbv

RT: 7.13 min Scan# 664

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

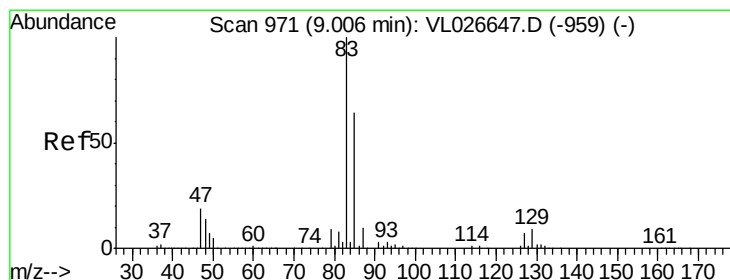
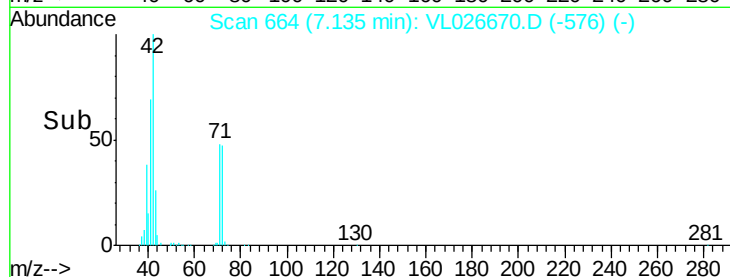
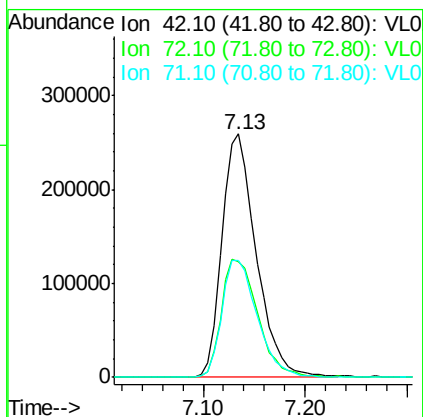
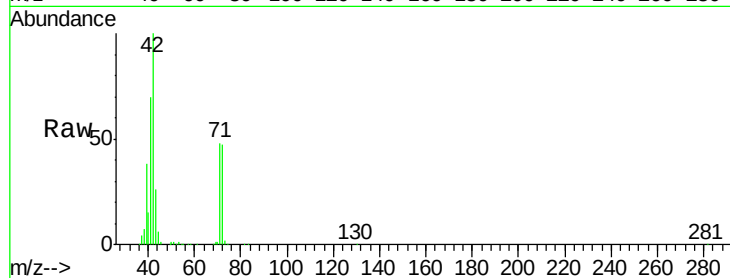
ClientSampleId :

VL0112ABS01

Tgt Ion:	42	Resp:	607963
Ion	Ratio	Lower	Upper
42	100		
72	51.6	40.6	60.8
71	49.8	38.4	57.6

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#42

Bromodichloromethane

Concen: 9.59 ppbv

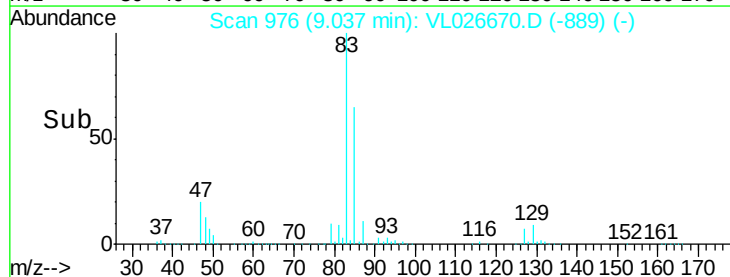
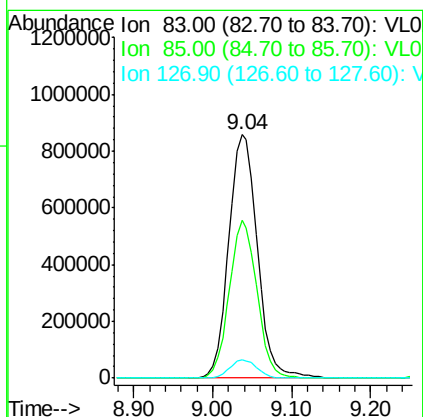
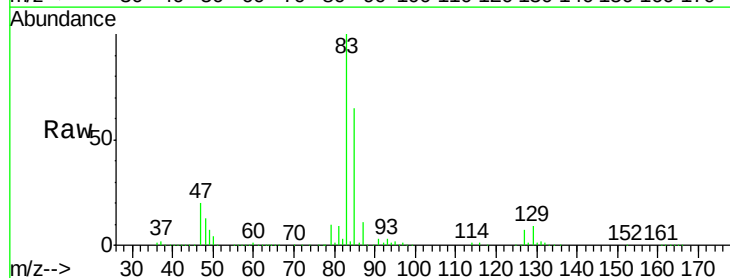
RT: 9.04 min Scan# 976

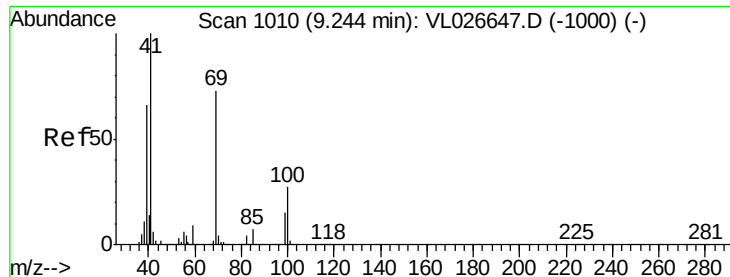
Delta R.T. 0.03 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion:	83	Resp:	2174656
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	7.5	5.5	8.3





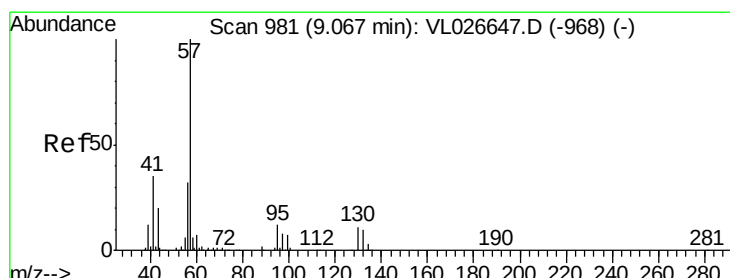
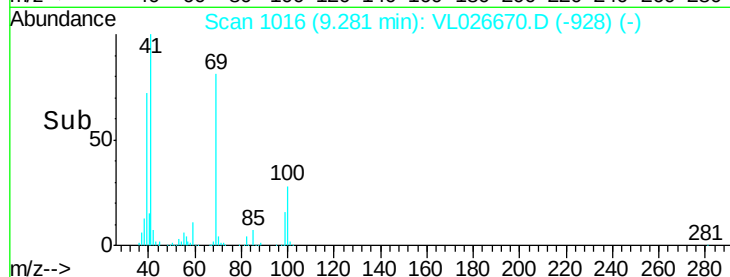
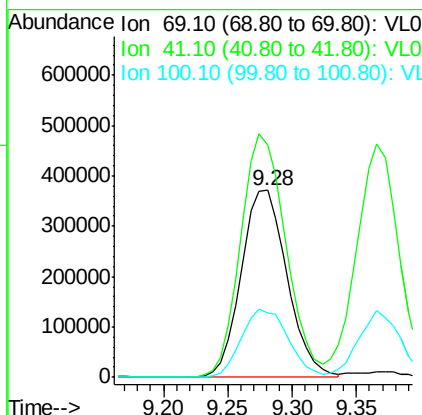
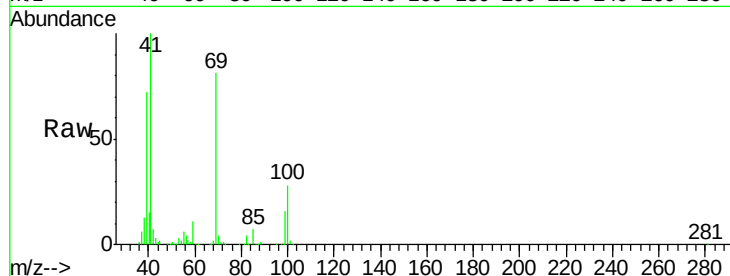
#43
Methyl Methacrylate
Concen: 9.79 ppbv
RT: 9.28 min Scan# 1016
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	128.0	106.1	159.1
100	37.2	29.0	43.4

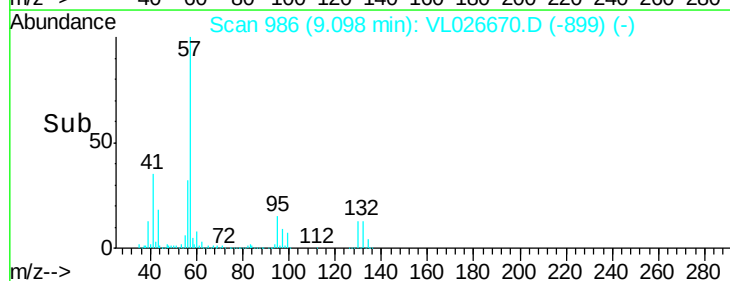
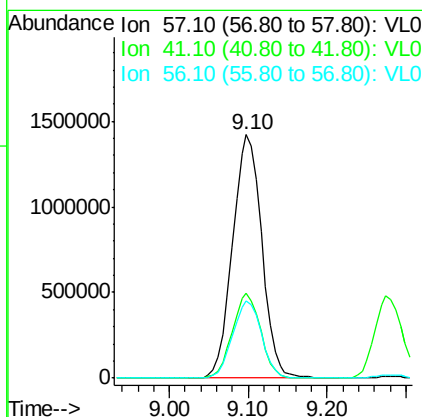
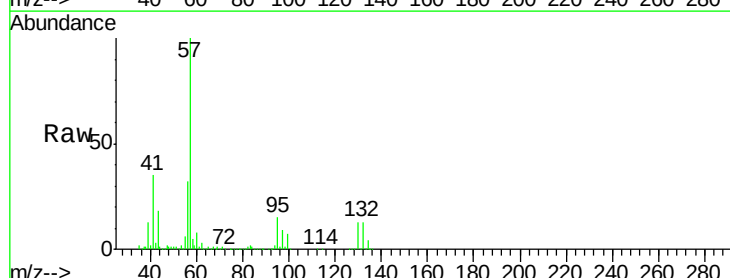
Manual Integrations
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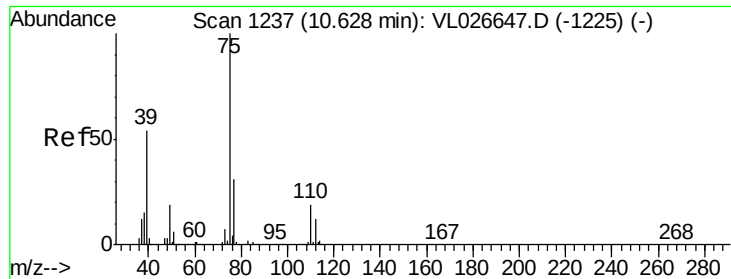
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#44
2,2,4-Trimethylpentane
Concen: 8.84 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.9	40.3
56	31.2	25.4	38.0





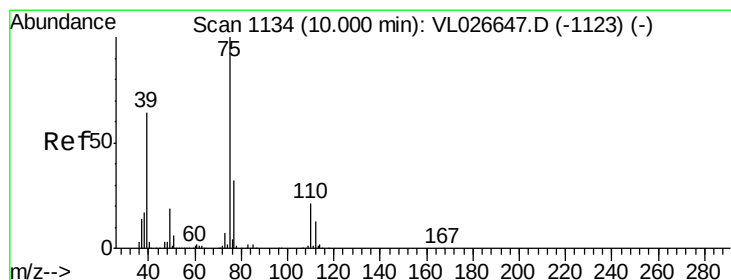
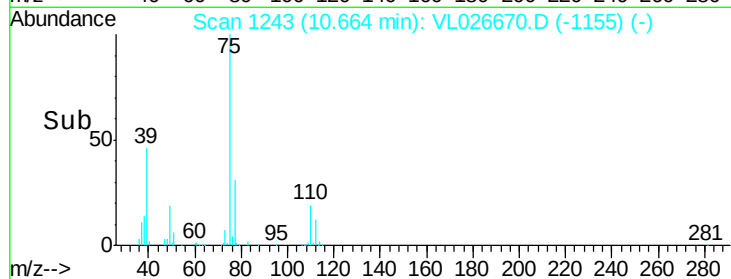
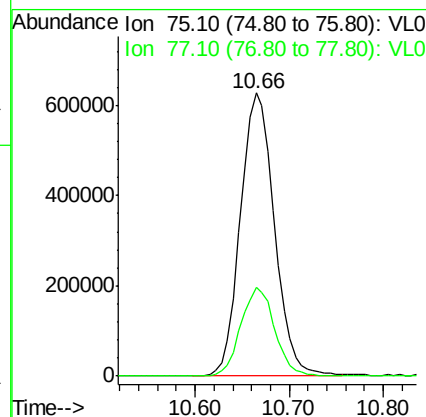
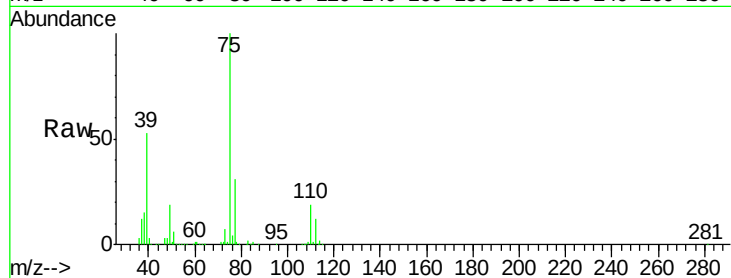
#45
 t-1,3-Dichloropropene
 Concen: 10.47 ppbv
 RT: 10.66 min Scan# 1243
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 75 Resp: 1588778
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0

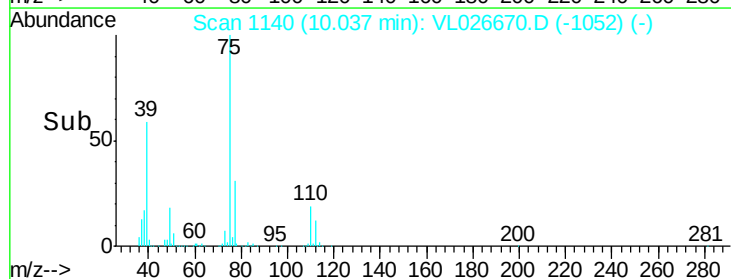
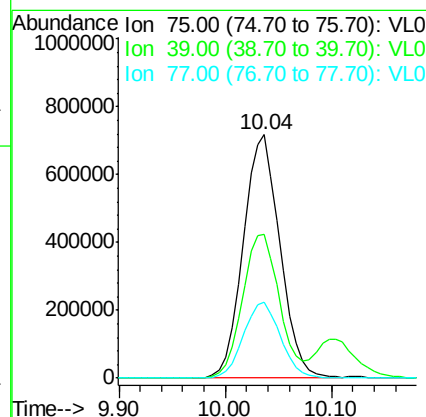
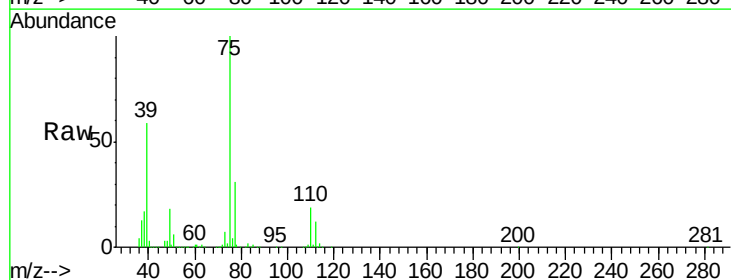
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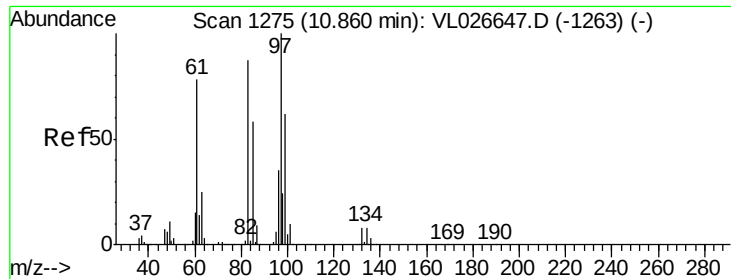
mohammad
 1/13/2016 2:36:26 PM



#46
 cis-1,3-Dichloropropene
 Concen: 10.07 ppbv
 RT: 10.04 min Scan# 1140
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 75 Resp: 1738773
 Ion Ratio Lower Upper
 75 100
 39 59.0 51.2 76.8
 77 31.1 25.9 38.9





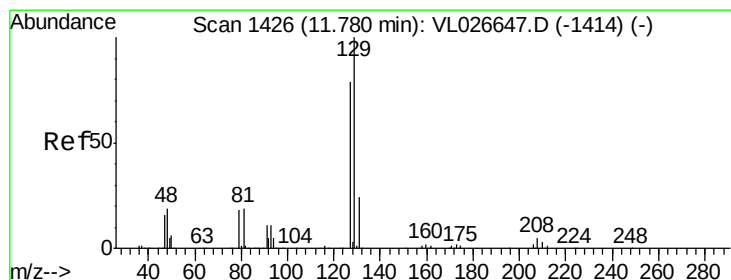
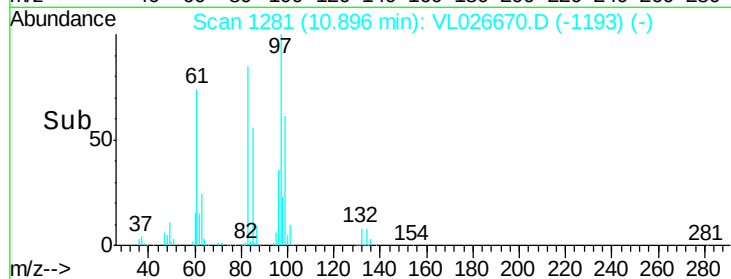
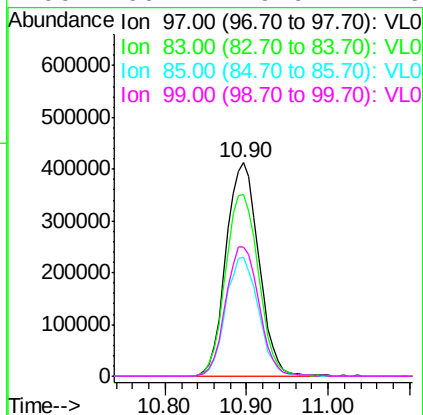
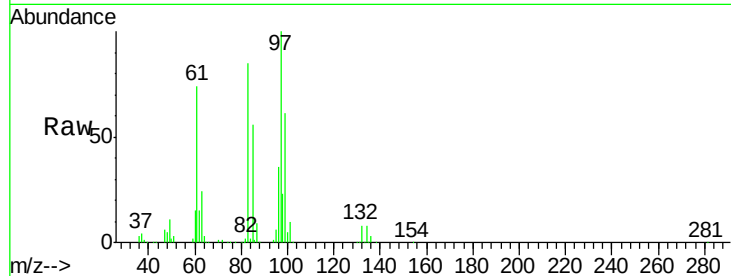
#47
 1,1,2-Trichloroethane
 Concen: 9.08 ppbv
 RT: 10.90 min Scan# 1281
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 97 Resp: 1148379
 Ion Ratio Lower Upper
 97 100
 83 85.2 69.5 104.3
 85 55.6 46.4 69.6
 99 60.7 49.9 74.9

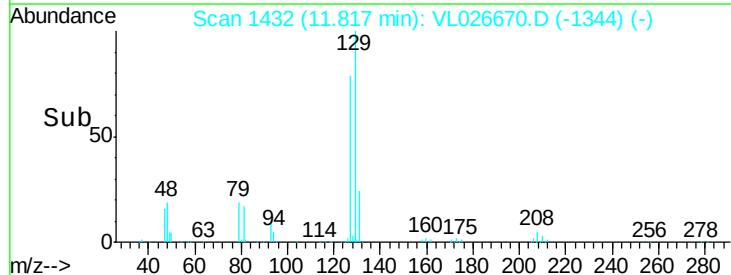
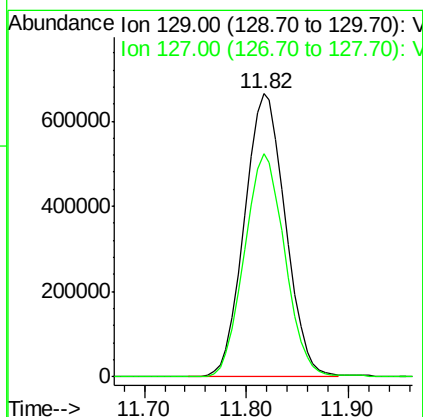
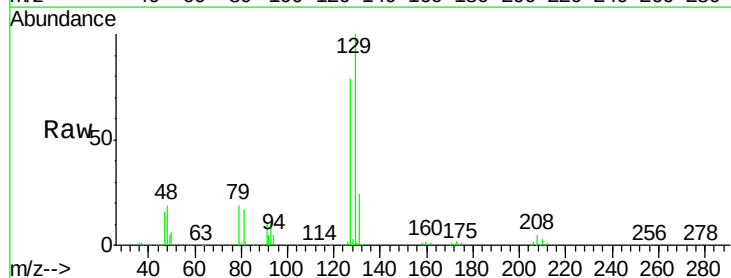
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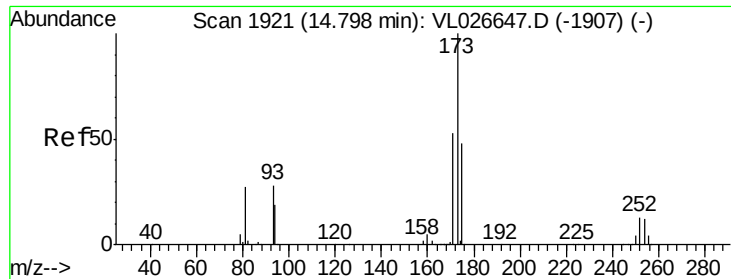
mohammad
 1/13/2016 2:36:26 PM



#48
 Dibromochloromethane
 Concen: 9.76 ppbv
 RT: 11.82 min Scan# 1432
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 129 Resp: 1853128
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.5 118.5





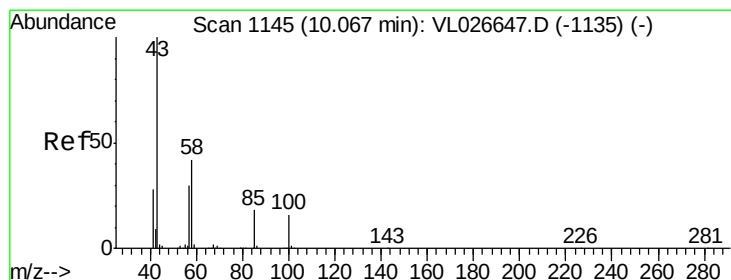
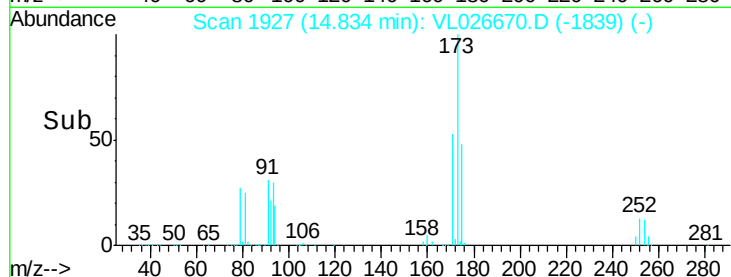
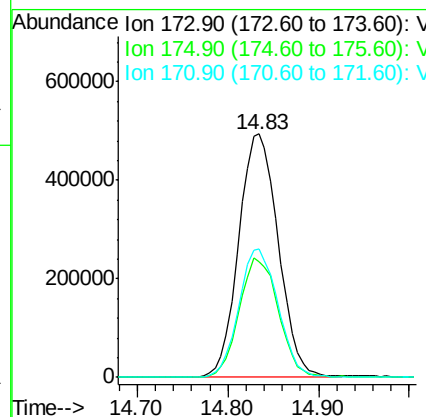
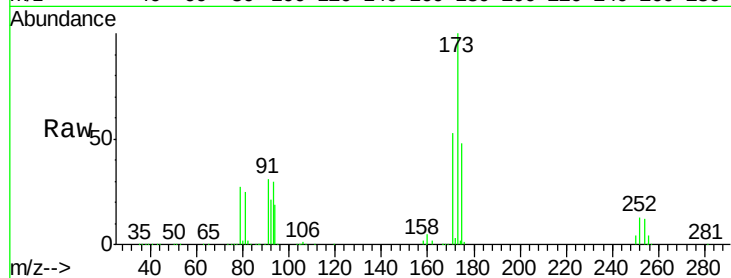
#49
Bromoform
Concen: 9.69 ppbv
RT: 14.83 min Scan# 1927
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 173 Resp: 1500073
Ion Ratio Lower Upper
173 100
175 49.2 38.6 58.0
171 52.9 41.5 62.3

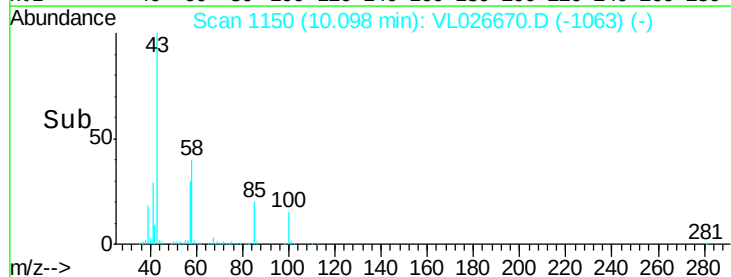
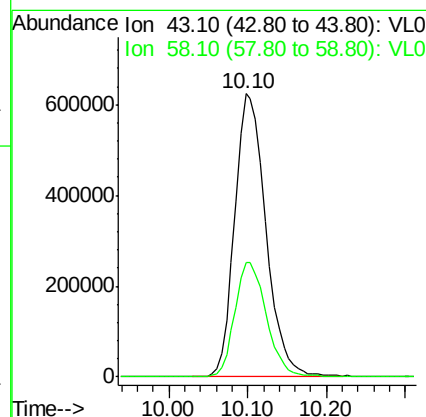
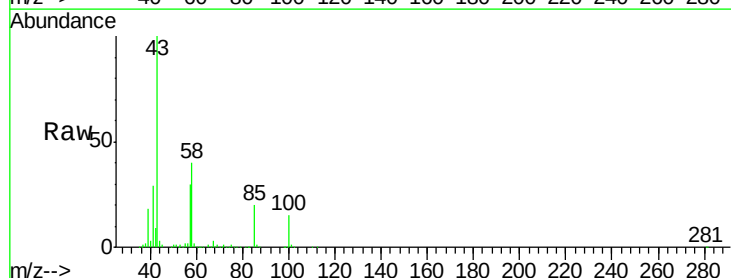
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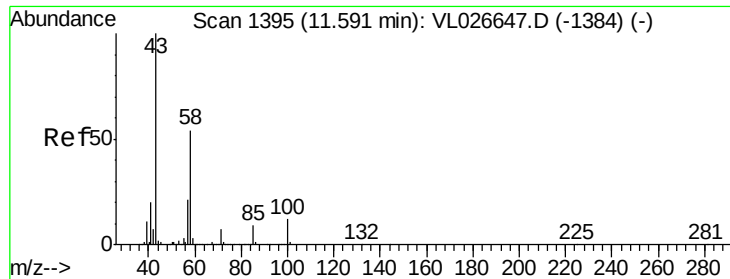
mohammad
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#50
4-Methyl-2-Pentanone
Concen: 9.18 ppbv
RT: 10.10 min Scan# 1150
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1715891
Ion Ratio Lower Upper
43 100
58 41.0 32.4 48.6





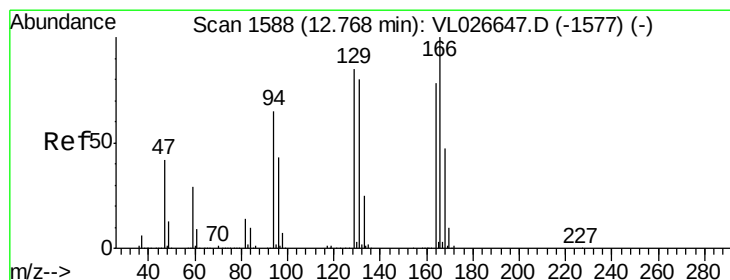
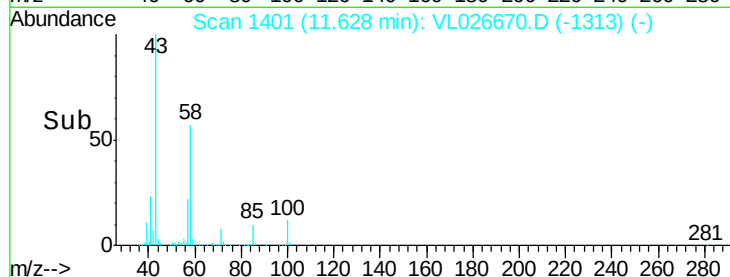
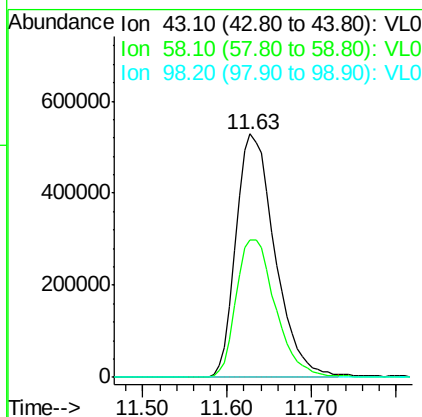
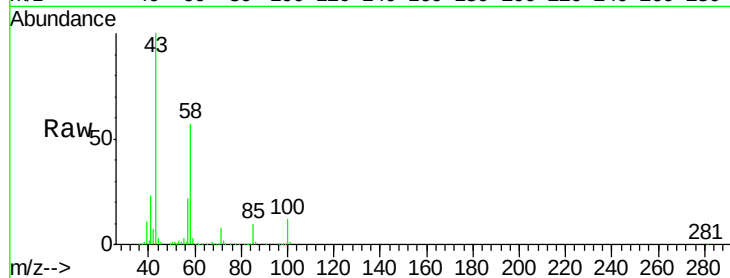
#51
2-Hexanone
Concen: 9.64 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 43 Resp: 1660418
Ion Ratio Lower Upper
43 100
58 57.5 44.9 67.3
98 0.3 0.2 0.2#

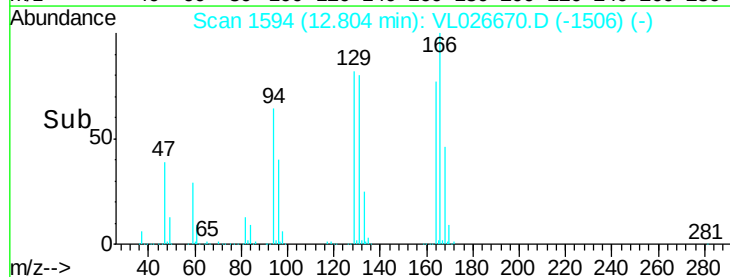
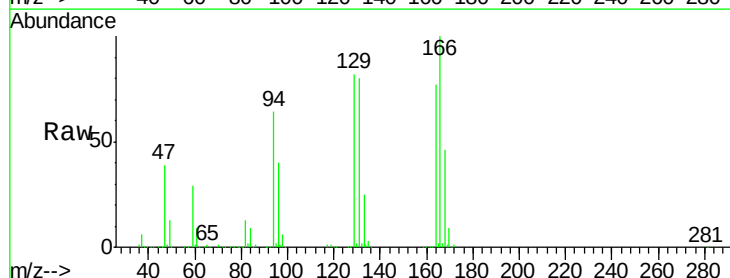
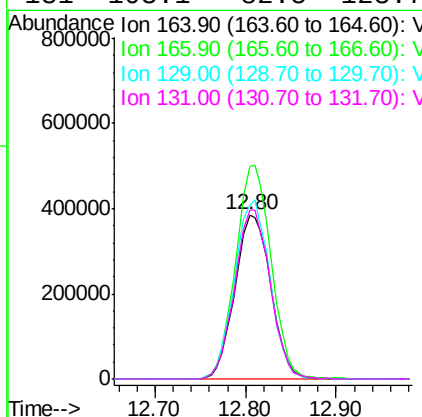
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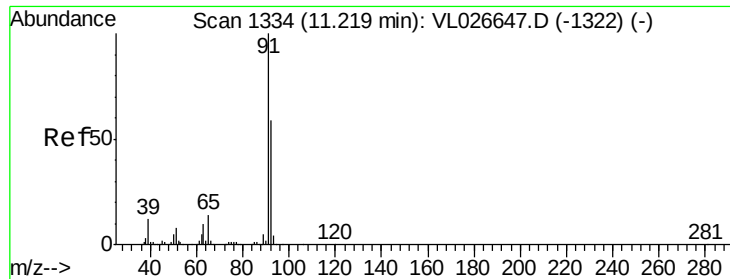
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#52
Tetrachloroethene
Concen: 8.26 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 164 Resp: 1060690
Ion Ratio Lower Upper
164 100
166 129.4 102.5 153.7
129 106.1 87.0 130.6
131 103.1 82.5 123.7





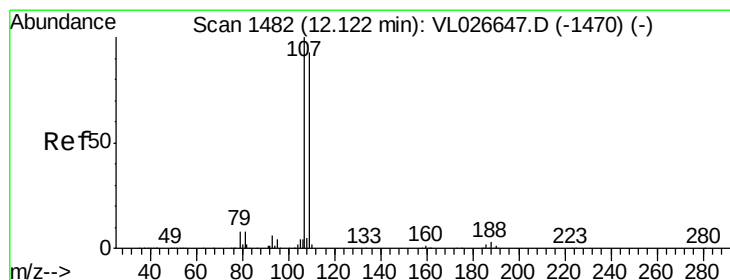
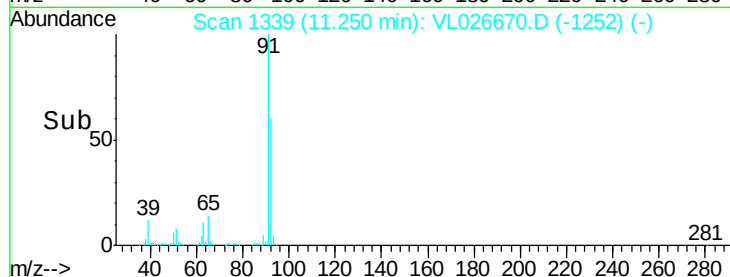
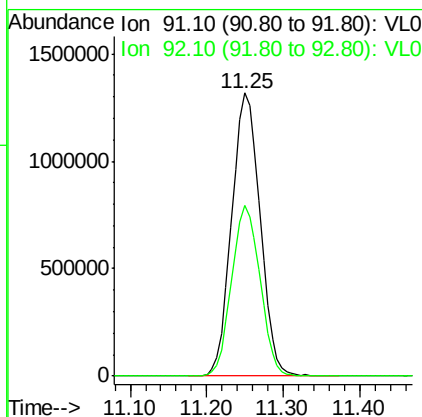
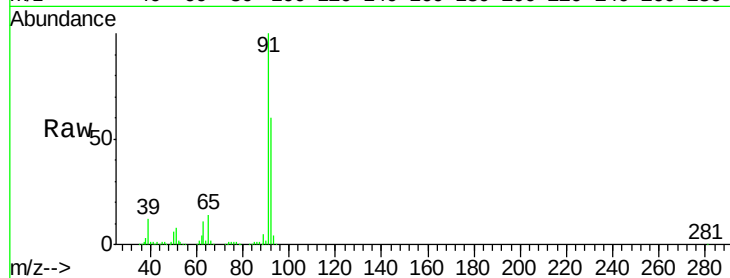
#53
Toluene
Concen: 9.41 ppbv
RT: 11.25 min Scan# 1339
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 91 Resp: 3404430
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4

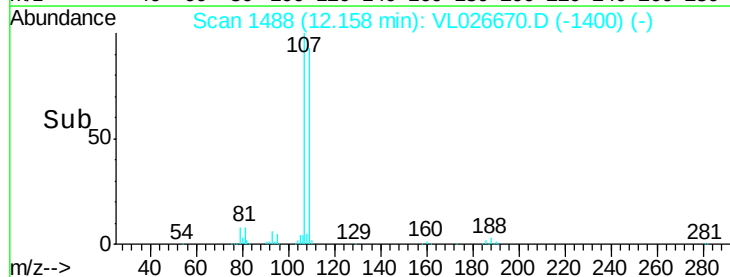
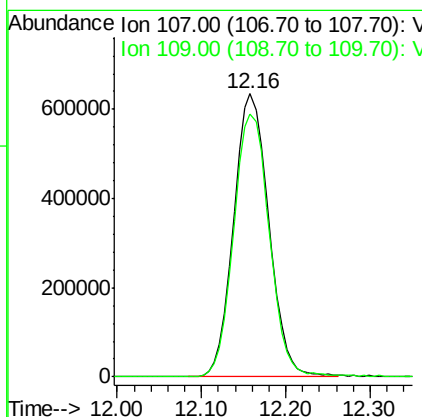
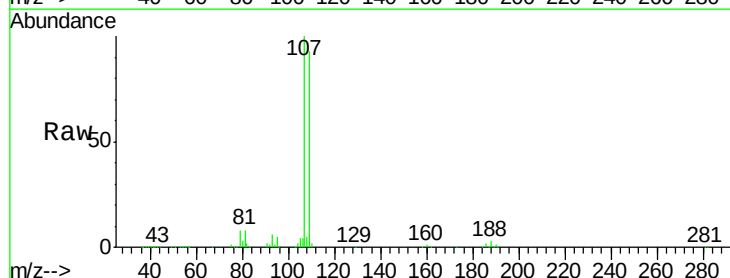
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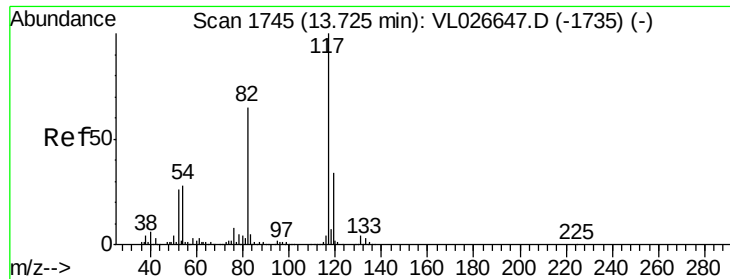
mohammad
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#54
1,2-Dibromoethane
Concen: 8.95 ppbv
RT: 12.16 min Scan# 1488
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 107 Resp: 1793252
Ion Ratio Lower Upper
107 100
109 93.0 74.1 111.1





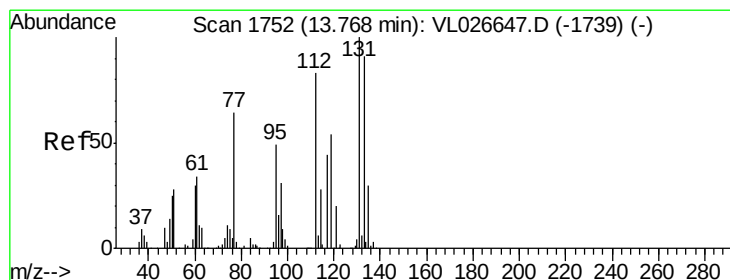
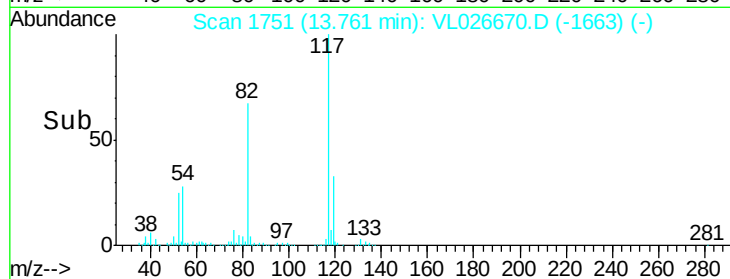
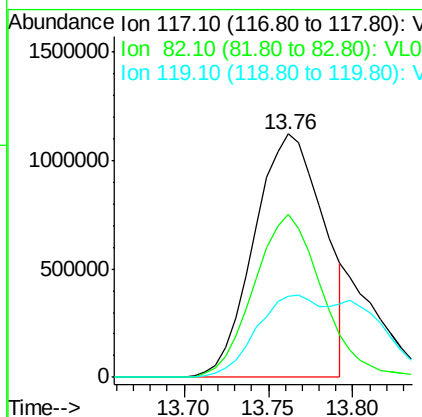
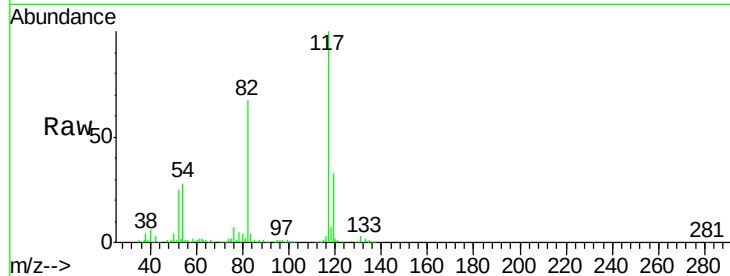
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.76 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampled :
VL0112ABS01

Tgt Ion:117 Resp: 3197930
Ion Ratio Lower Upper
117 100
82 66.7 49.7 74.5
119 57.5 43.8 65.8

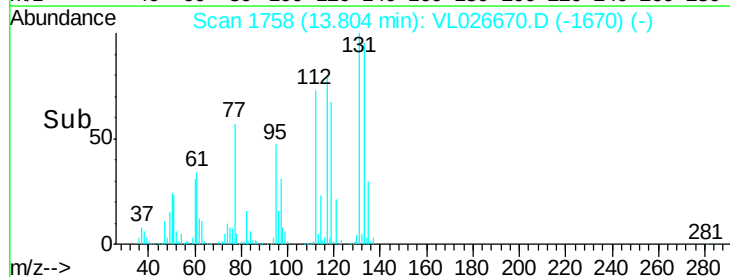
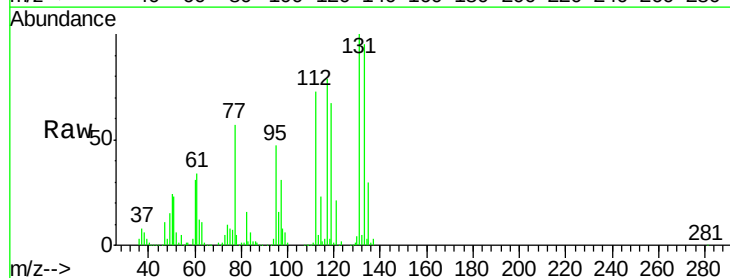
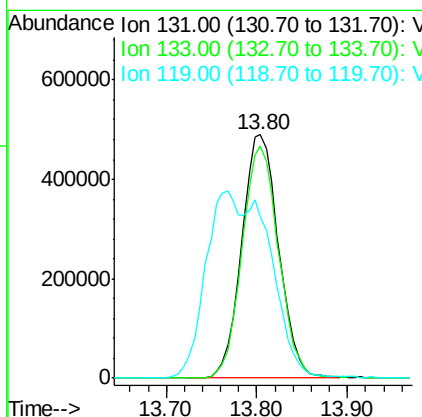
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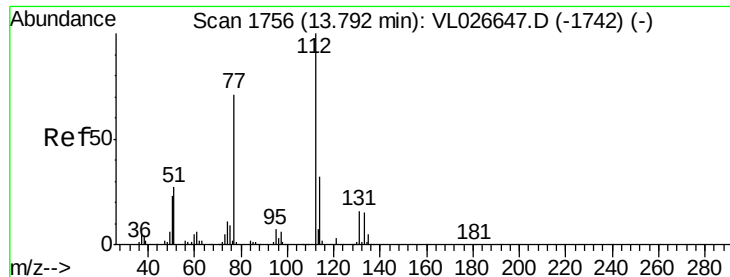
mohammad
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.38 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:131 Resp: 1380733
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.4
119 133.3 104.3 156.5





#57

Chlorobenzene

Concen: 8.58 ppbv

RT: 13.83 min Scan# 1762

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

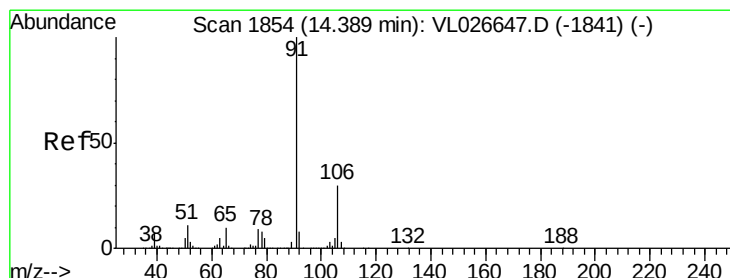
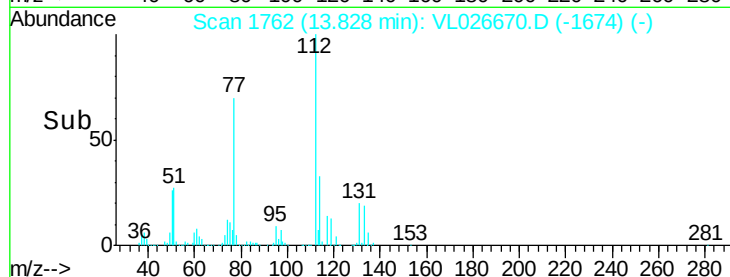
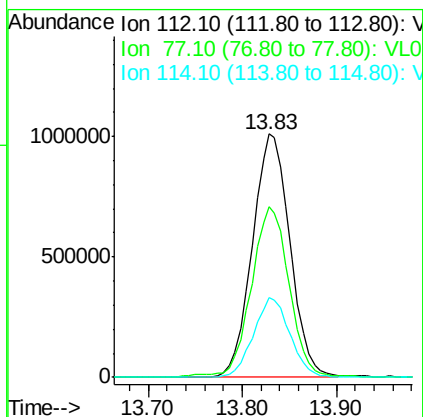
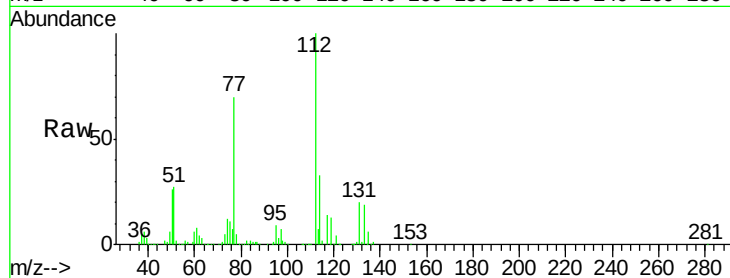
VL0112ABS01

Tgt Ion: 112 Resp: 2826344

Ion	Ratio	Lower	Upper
112	100		
77	69.5	56.9	85.3
114	32.5	28.8	35.2

Manual Integrations
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#58

Ethyl Benzene

Concen: 9.51 ppbv

RT: 14.43 min Scan# 1860

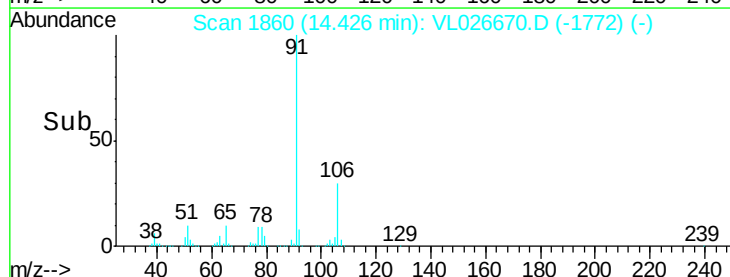
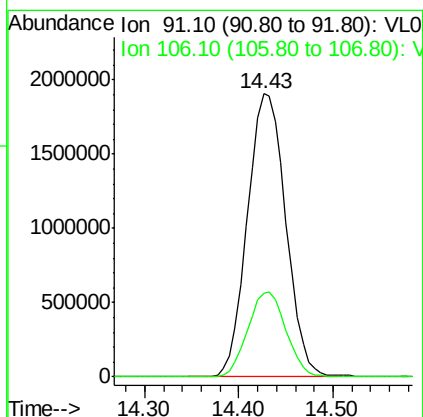
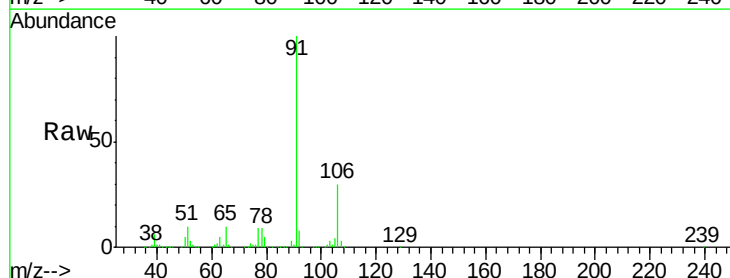
Delta R.T. 0.04 min

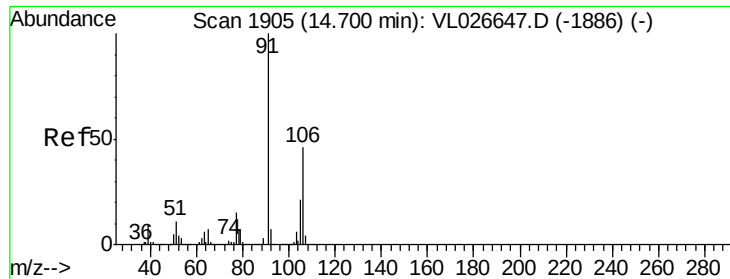
Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 5430382

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6





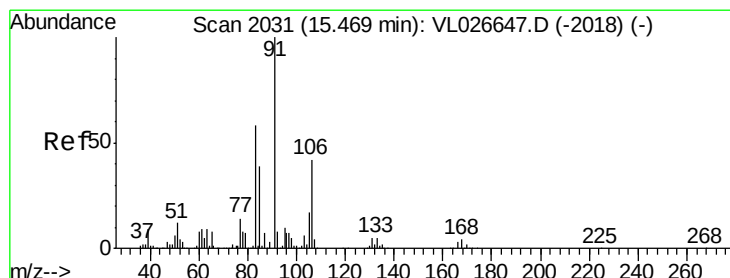
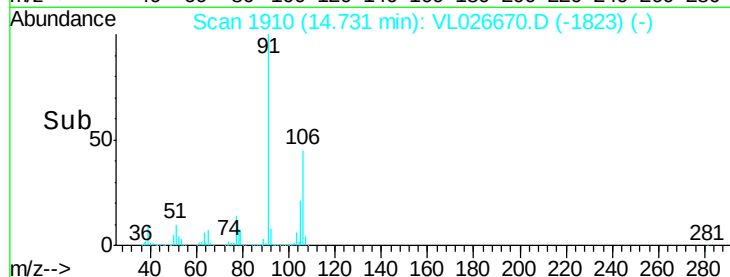
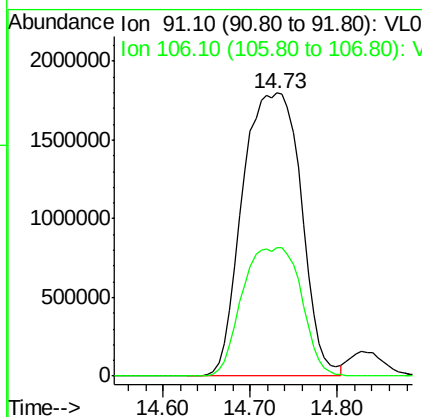
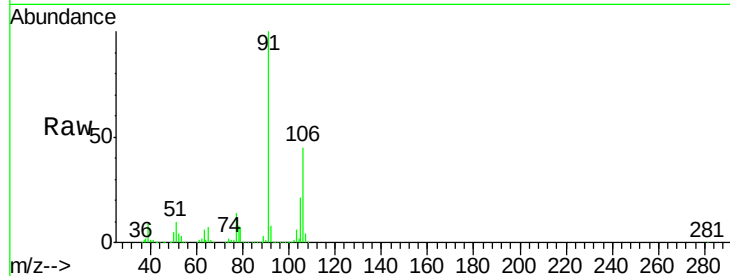
#59
m/p-Xylene
Concen: 17.84 ppbv m
RT: 14.73 min Scan# 1910
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 91 Resp: 8400501
Ion Ratio Lower Upper
91 100
106 45.9 36.6 55.0

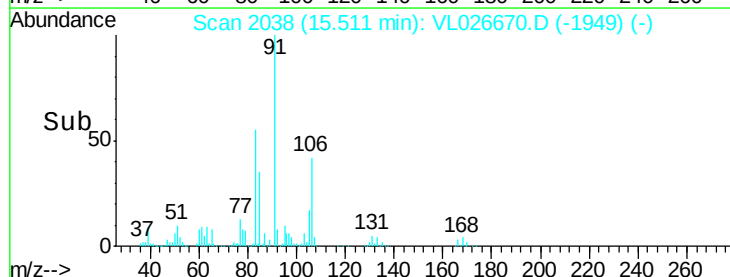
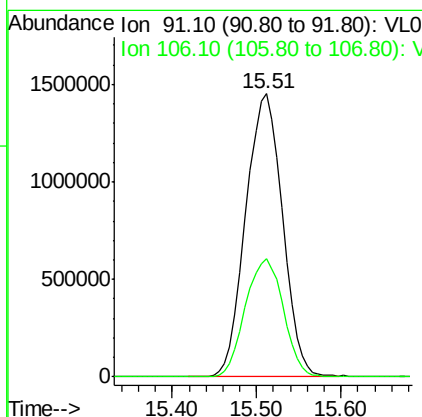
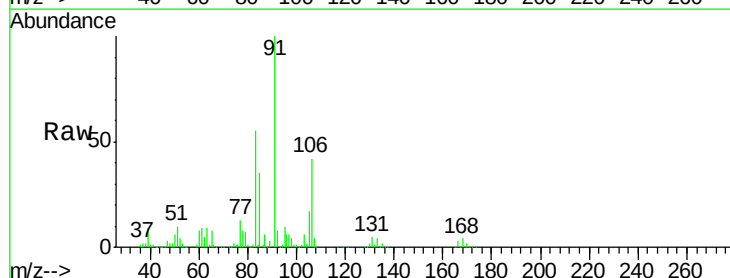
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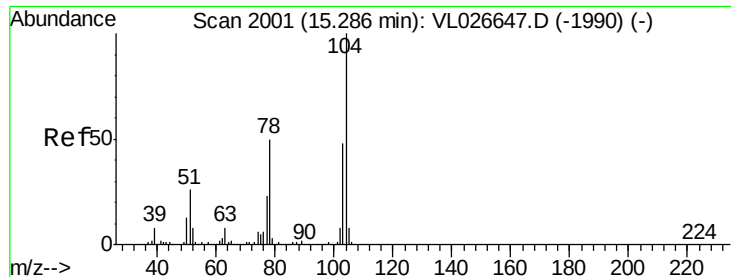
mohammad
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#60
o-Xylene
Concen: 8.49 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 4319742
Ion Ratio Lower Upper
91 100
106 43.5 21.5 64.5





#61

Styrene

Concen: 10.34 ppbv

RT: 15.33 min Scan# 2008

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

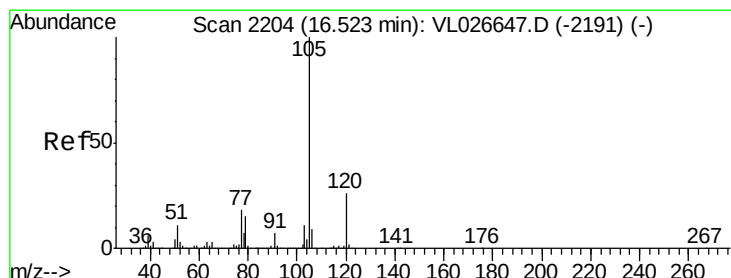
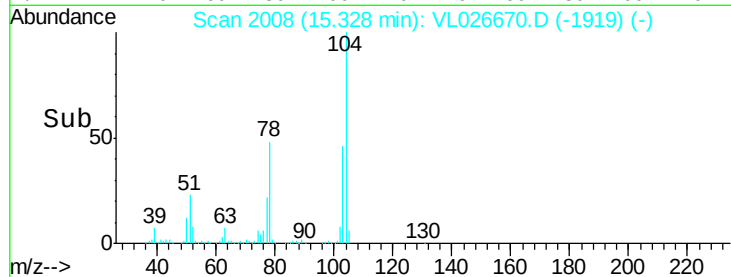
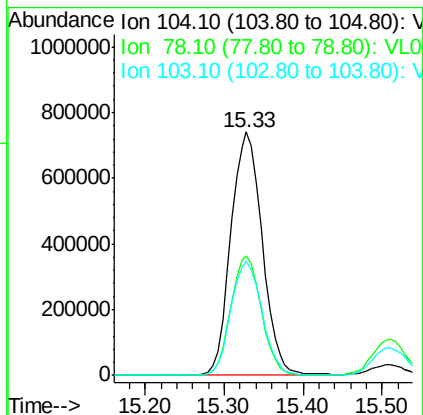
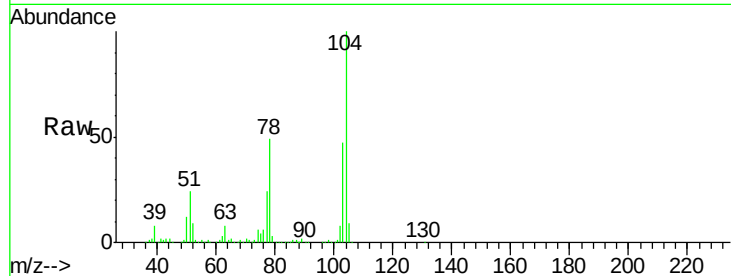
VL0112ABS01

Tgt Ion:104 Resp: 2055419

Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.6	59.4
103	46.6	37.8	56.6

Manual Integrations
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#62

Isopropylbenzene

Concen: 9.00 ppbv

RT: 16.56 min Scan# 2210

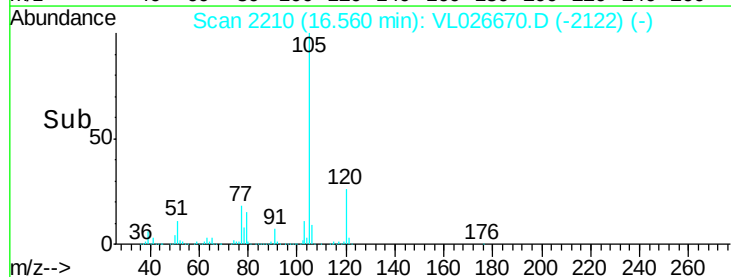
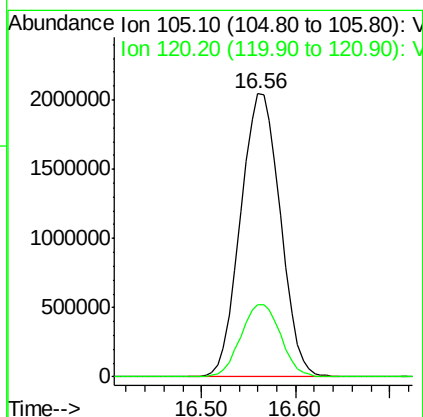
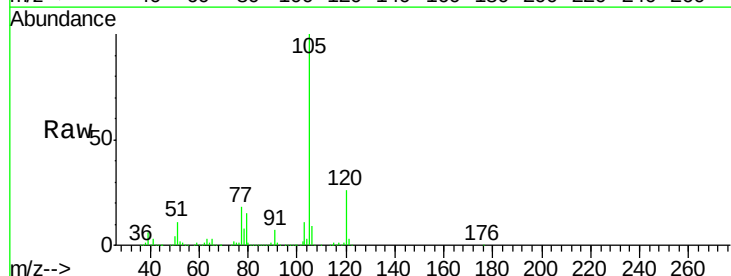
Delta R.T. 0.04 min

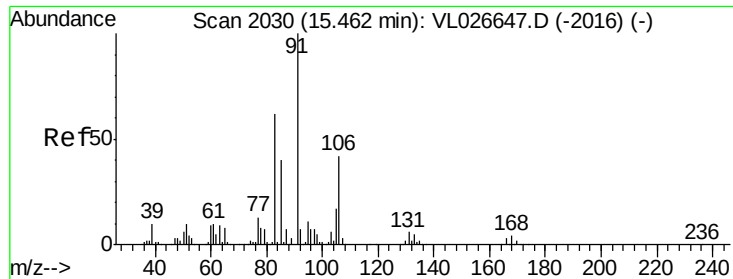
Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion:105 Resp: 6061653

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.3	30.5





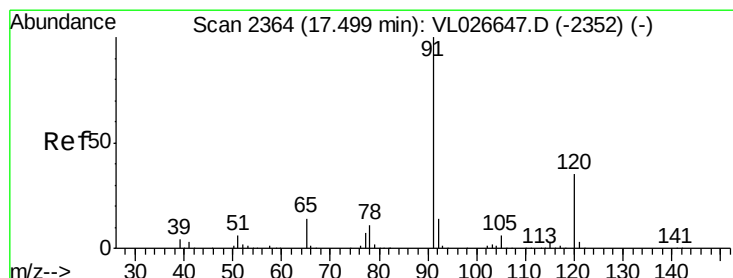
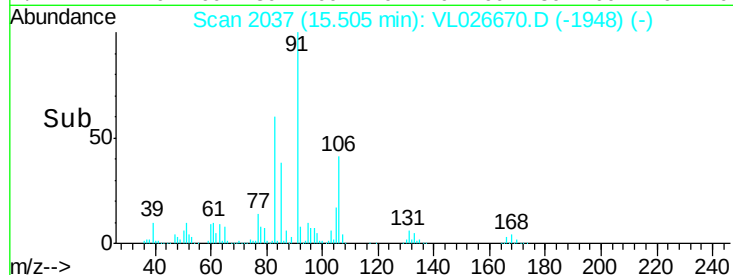
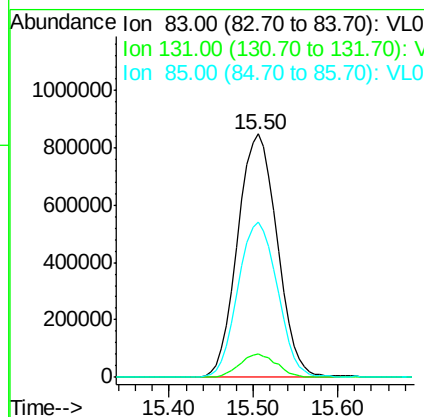
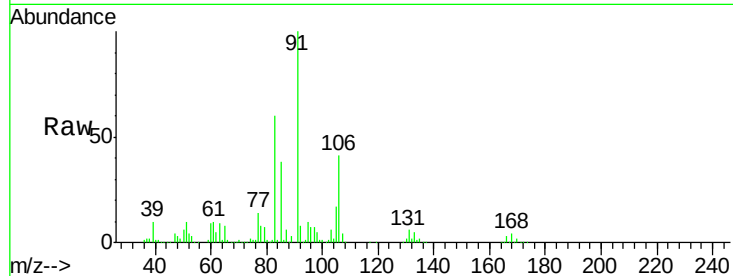
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.15 ppbv
 RT: 15.50 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 83 Resp: 2710366
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.4
 85 64.4 32.6 97.7

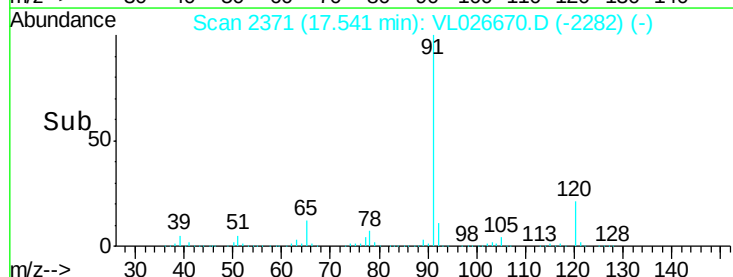
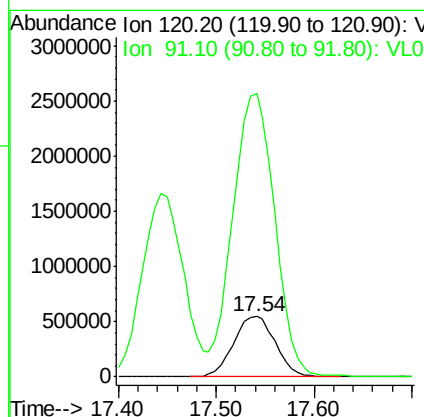
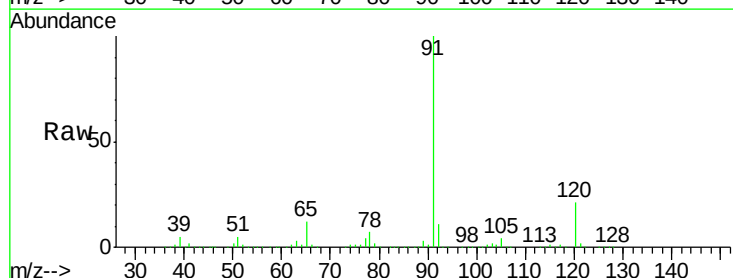
Manual Integrations
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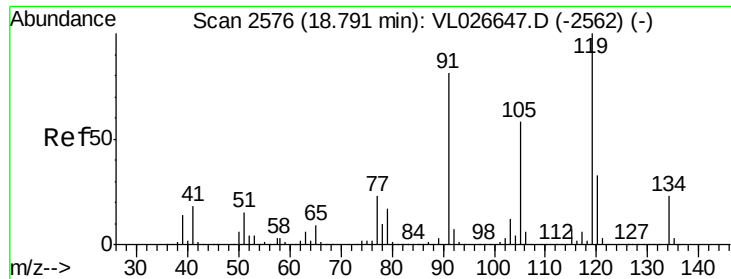
mohammad
 1/13/2016 2:36:26 PM



#64
 n-propylbenzene
 Concen: 8.96 ppbv
 RT: 17.54 min Scan# 2371
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 120 Resp: 1619466
 Ion Ratio Lower Upper
 120 100
 91 466.2 375.8 563.6





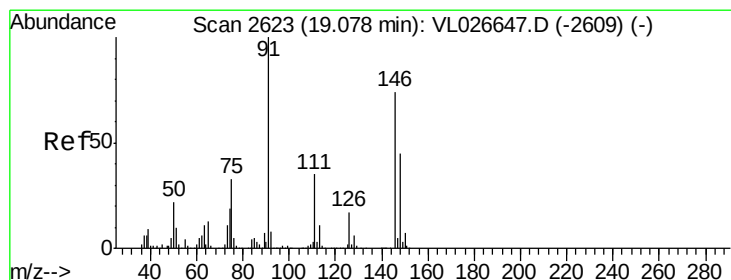
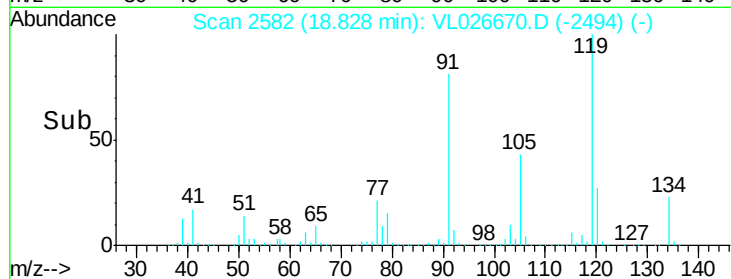
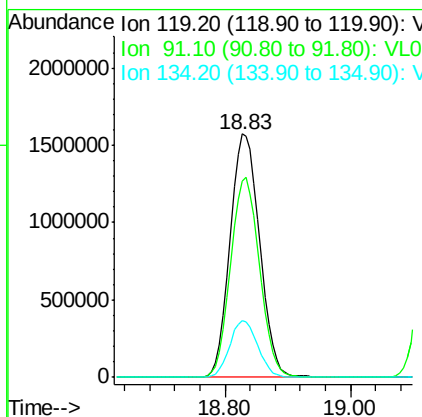
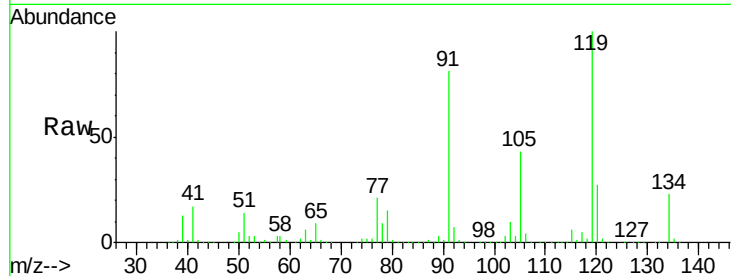
#65
 tert-Butylbenzene
 Concen: 8.33 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion: 119 Resp: 5142105
 Ion Ratio Lower Upper
 119 100
 91 80.5 64.8 97.2
 134 22.2 17.4 26.0

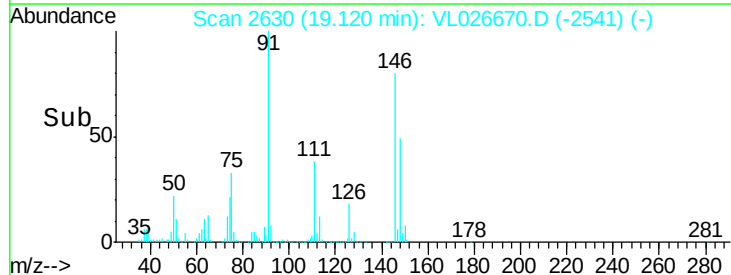
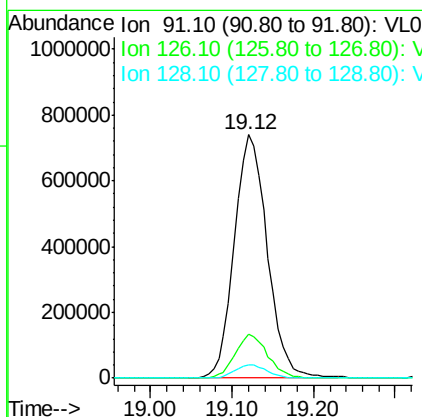
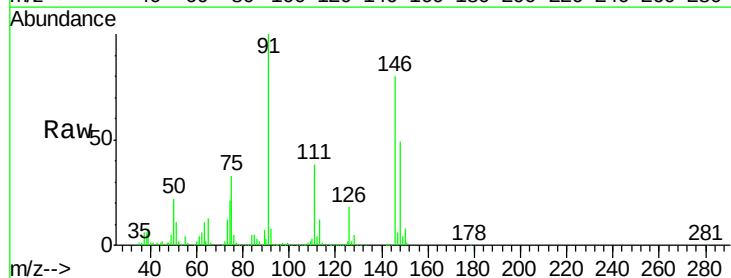
Manual Integrations
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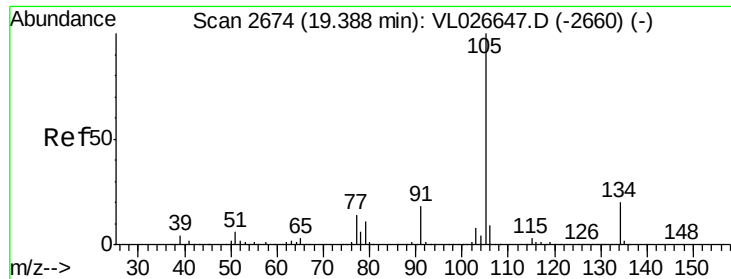
mohammad
 1/13/2016 2:36:26 PM



#66
 Benzyl Chloride
 Concen: 9.35 ppbv
 RT: 19.12 min Scan# 2630
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 2061109
 Ion Ratio Lower Upper
 91 100
 126 17.8 14.2 21.2
 128 5.5 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.66 ppbv

RT: 19.43 min Scan# 2681

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 105 Resp: 7927902

Ion Ratio Lower Upper

105 100

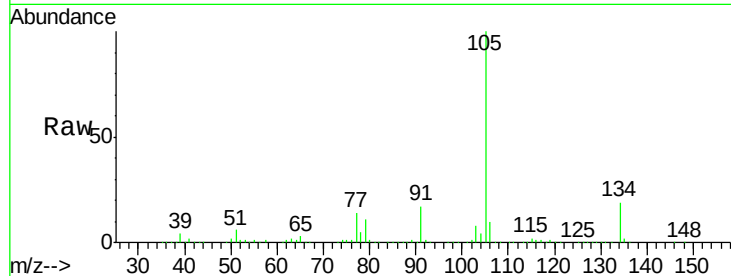
134 18.9 14.9 22.3

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

3000000

2500000

2000000

1500000

1000000

500000

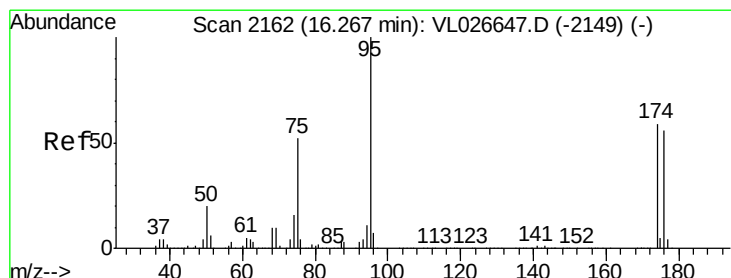
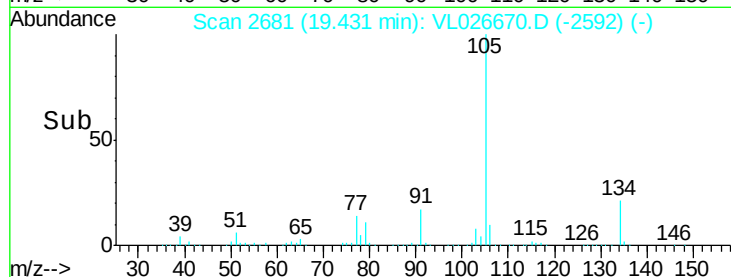
0

19.43

19.40

19.60

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.22 ppbv

RT: 16.31 min Scan# 2169

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

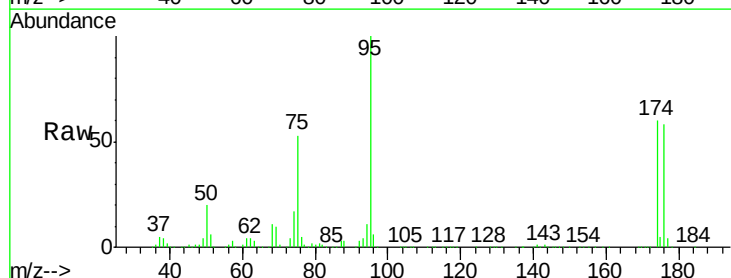
Tgt Ion: 95 Resp: 2605157

Ion Ratio Lower Upper

95 100

174 60.8 47.8 71.8

175 4.5 3.6 5.4



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

1200000

1000000

800000

600000

400000

200000

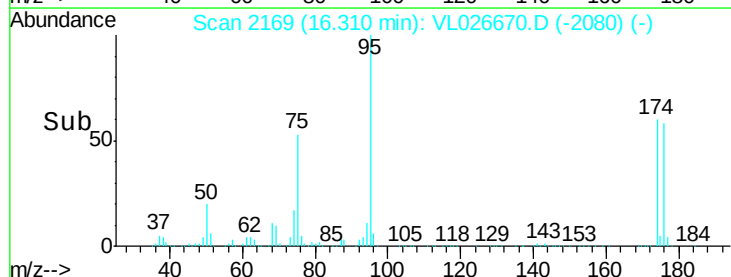
0

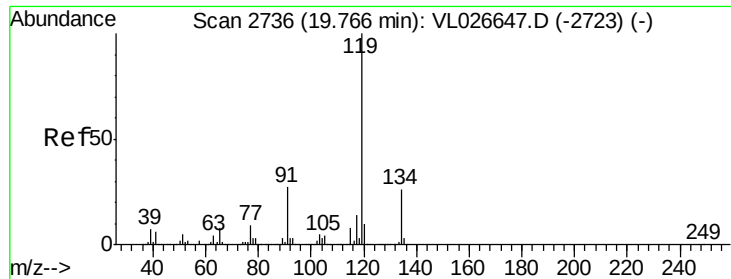
16.31

16.20

16.40

Time-->





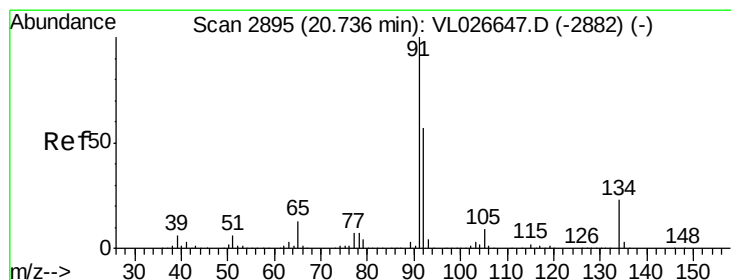
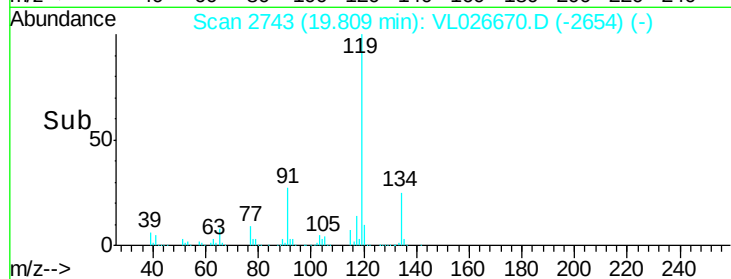
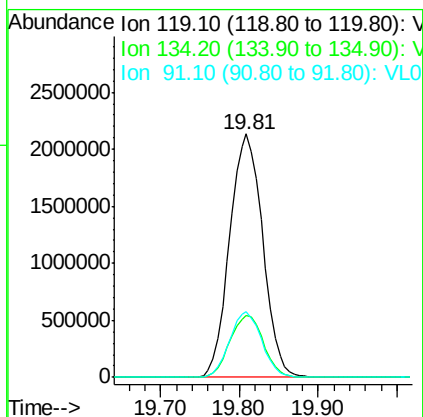
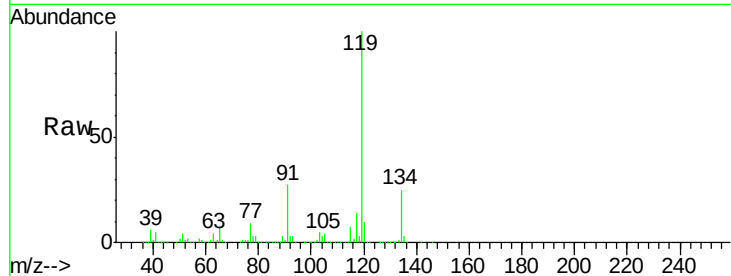
#69
p-Isopropyltoluene
Concen: 8.91 ppbv
RT: 19.81 min Scan# 2743
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0112ABS01

Tgt Ion: 119 Resp: 6240272
Ion Ratio Lower Upper
119 100
134 25.8 20.6 31.0
91 26.0 21.7 32.5

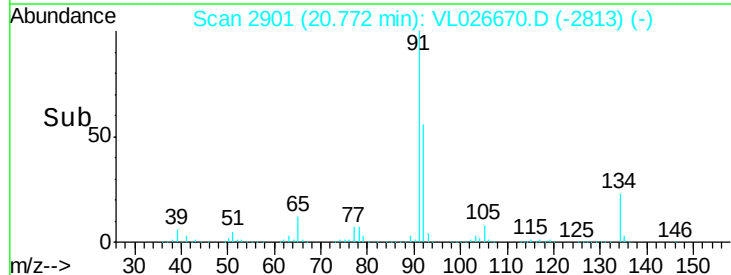
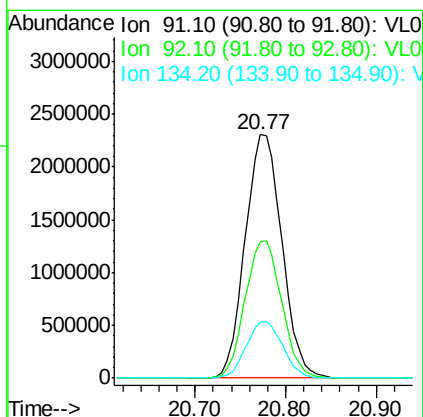
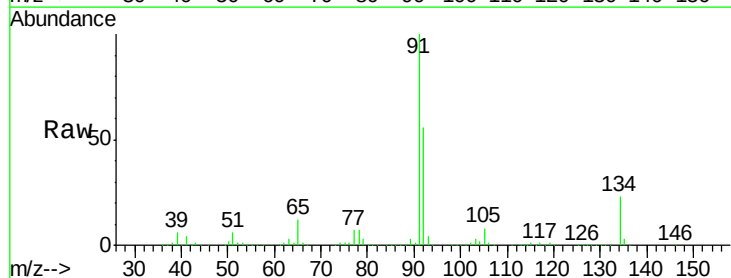
Manual Integrations
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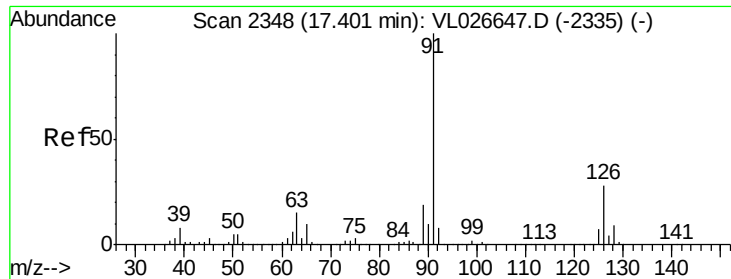
mohammad
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#70
n-Butylbenzene
Concen: 8.85 ppbv
RT: 20.77 min Scan# 2901
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 6452972
Ion Ratio Lower Upper
91 100
92 56.3 45.0 67.4
134 23.1 18.2 27.2





#71

2-Chlorotoluene

Concen: 9.36 ppbv

RT: 17.44 min Scan# 2355

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion: 91 Resp: 4912492

Ion Ratio Lower Upper

91 100

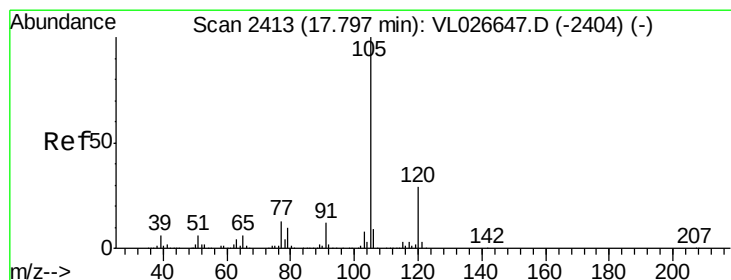
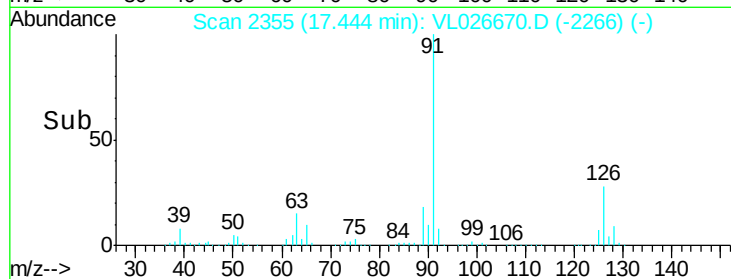
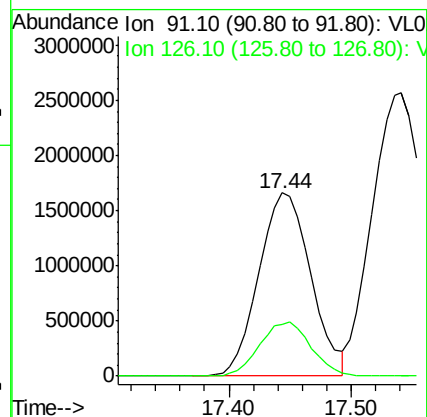
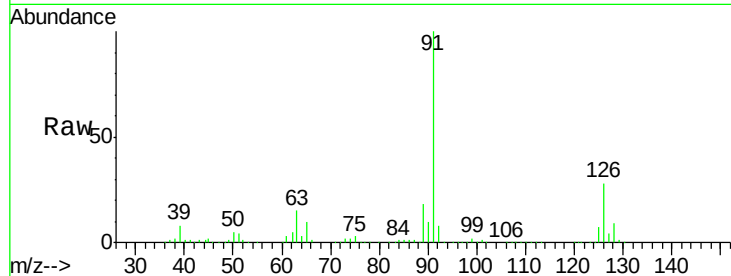
126 29.5 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.21 ppbv

RT: 17.84 min Scan# 2420

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion: 105 Resp: 5237751

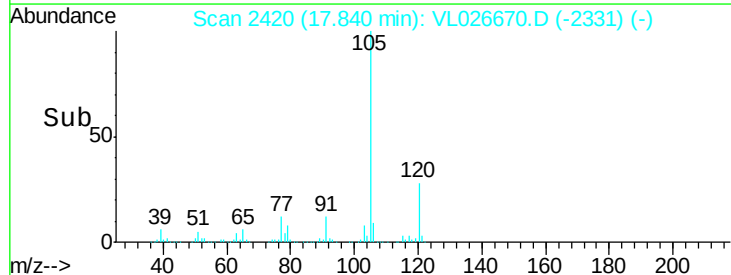
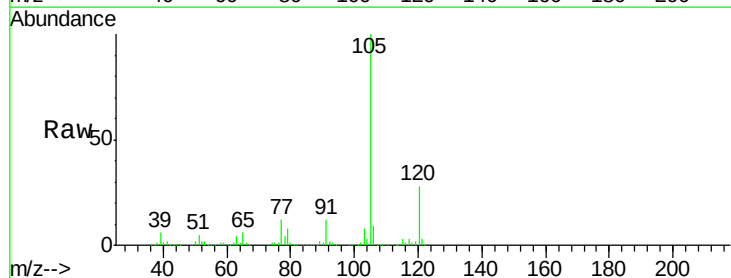
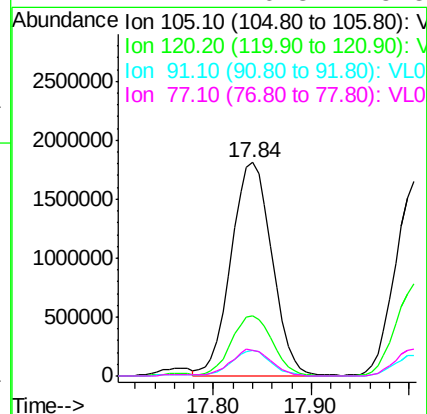
Ion Ratio Lower Upper

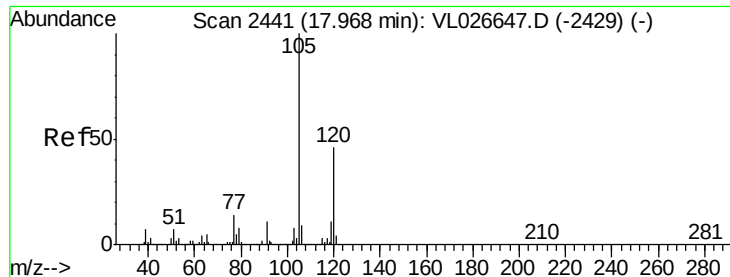
105 100

120 29.5 23.7 35.5

91 11.9 9.7 14.5

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 8.91 ppbv

RT: 18.00 min Scan# 2447

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion:105 Resp: 4803964

Ion Ratio Lower Upper

105 100

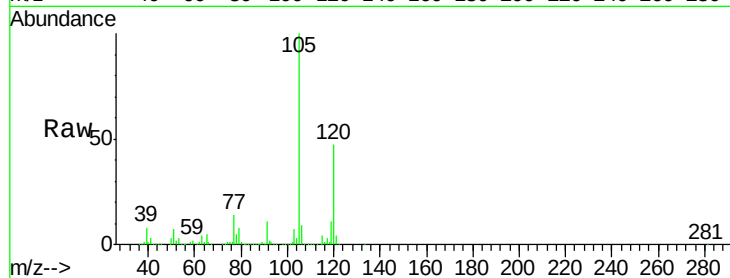
120 47.4 36.6 54.8

Manual Integrations

APPROVED

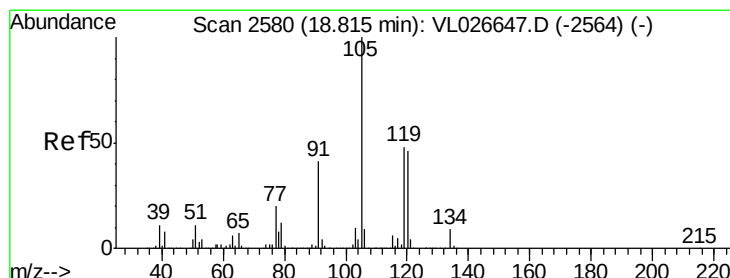
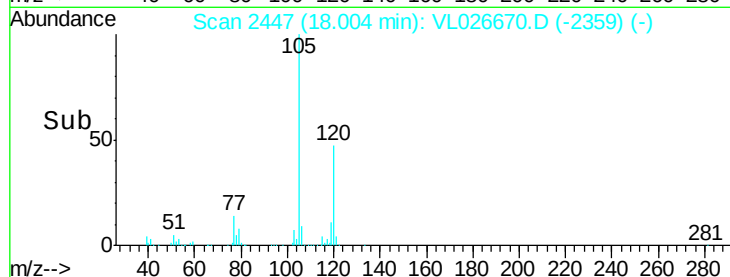
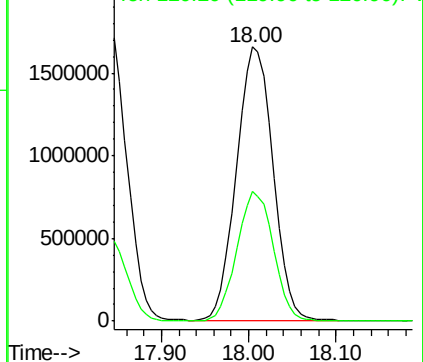
mohammad

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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: 8.17 ppbv

RT: 18.85 min Scan# 2586

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Tgt Ion:105 Resp: 4675946

Ion Ratio Lower Upper

105 100

120 48.4 36.6 55.0

91 52.5 32.5 48.7#

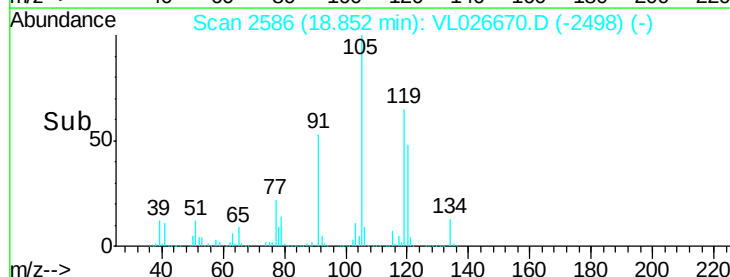
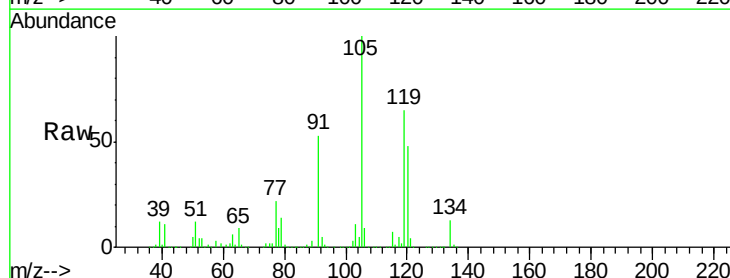
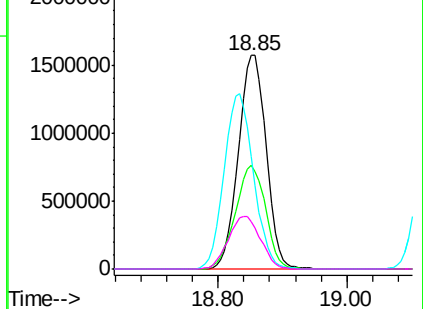
77 22.3 15.7 23.5

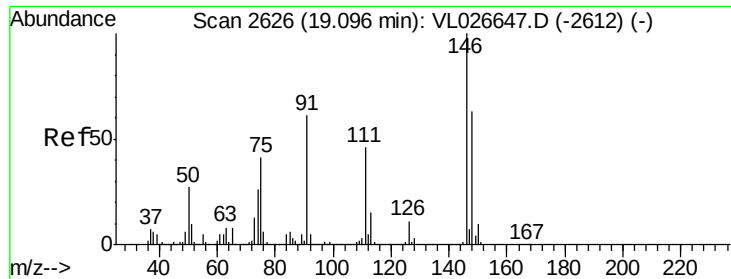
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.24 ppbv

RT: 19.14 min Scan# 2633

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0112ABS01

Tgt Ion:146 Resp: 2913853

Ion Ratio Lower Upper

146 100

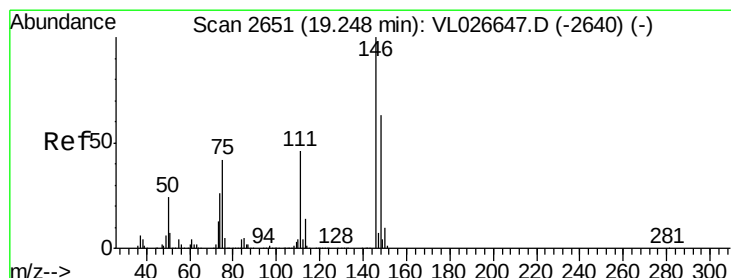
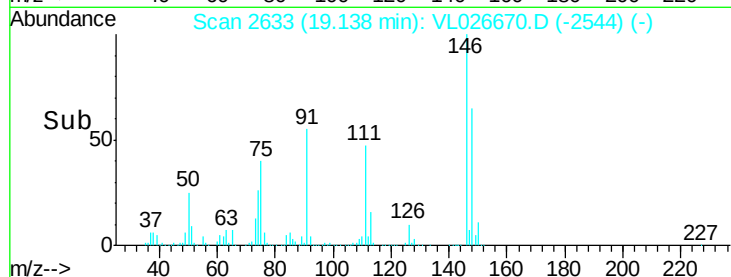
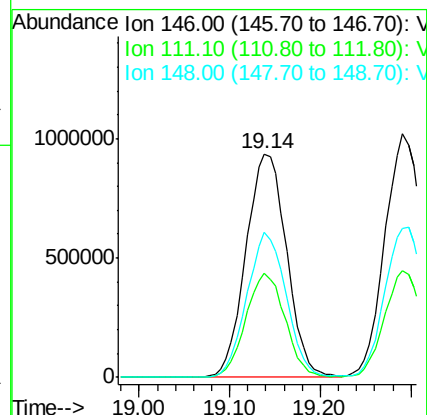
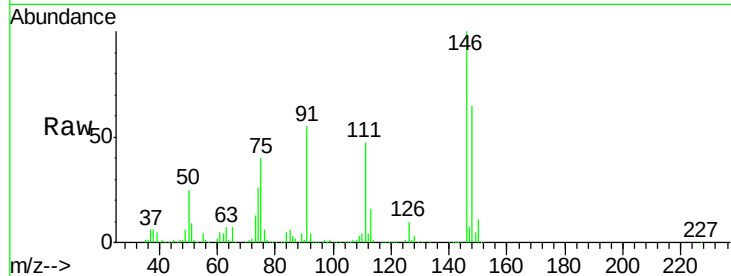
111 44.8 22.9 68.5

148 62.8 31.6 95.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.43 ppbv

RT: 19.29 min Scan# 2658

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

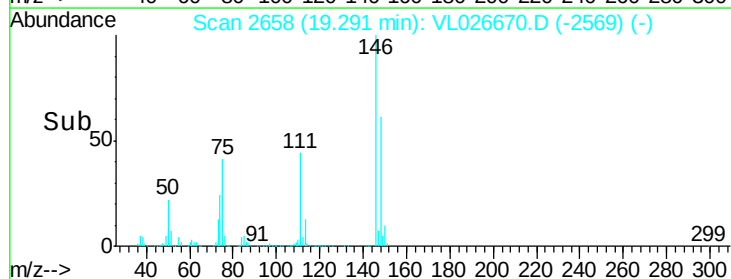
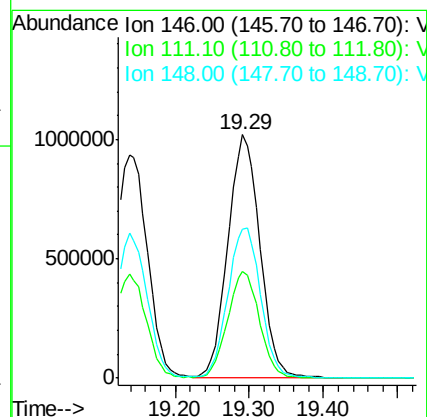
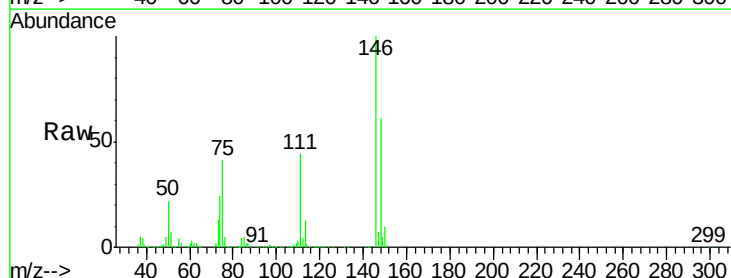
Tgt Ion:146 Resp: 3059938

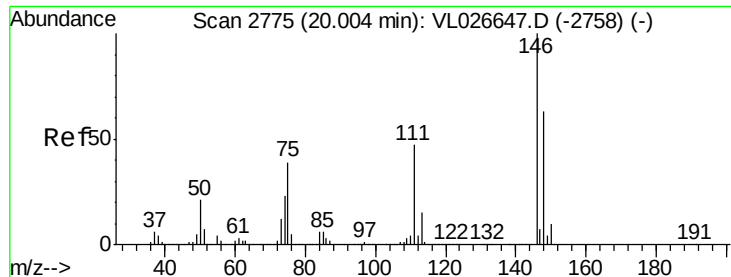
Ion Ratio Lower Upper

146 100

111 43.6 22.3 66.8

148 63.3 31.9 95.9





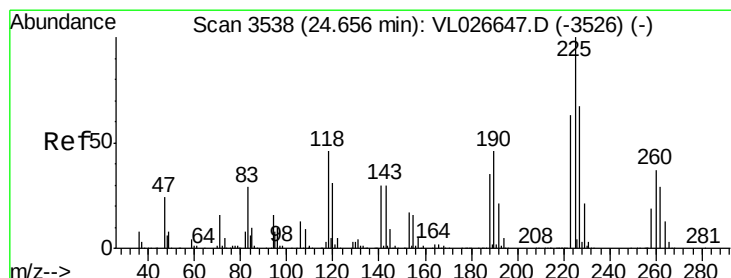
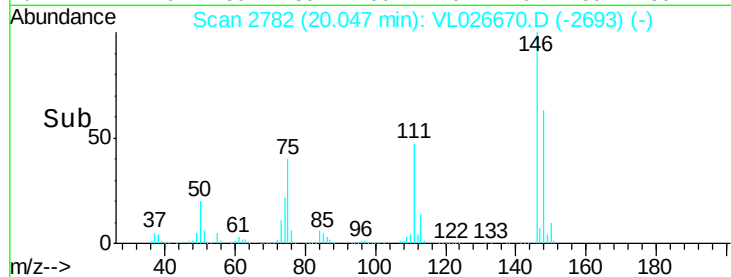
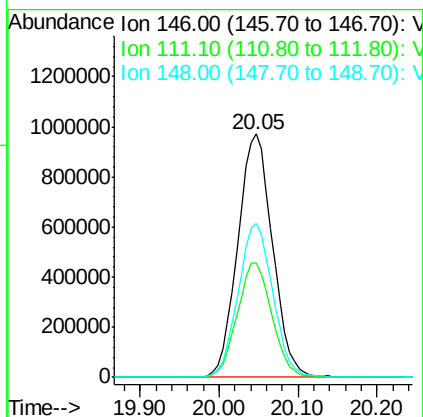
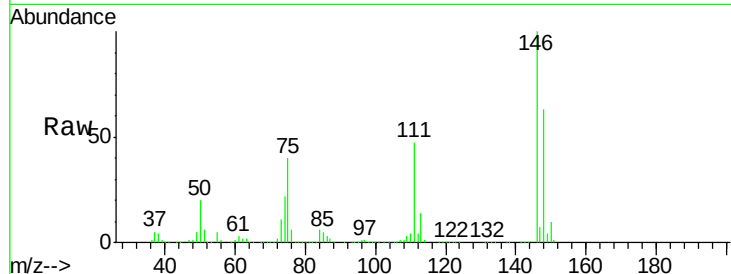
#77
 1,2-Dichlorobenzene
 Concen: 8.31 ppbv
 RT: 20.05 min Scan# 2782
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.7	71.1
148	63.3	31.1	93.5

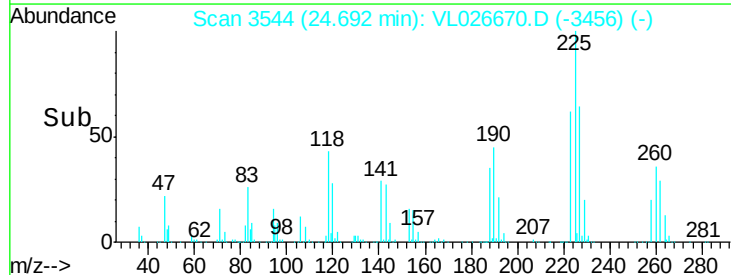
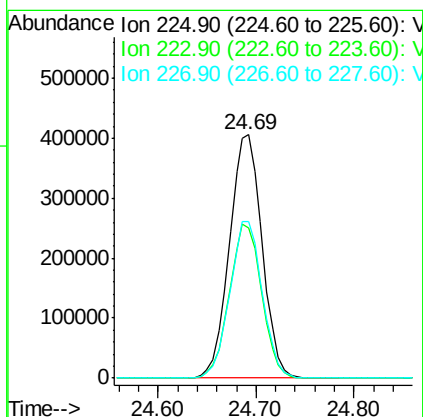
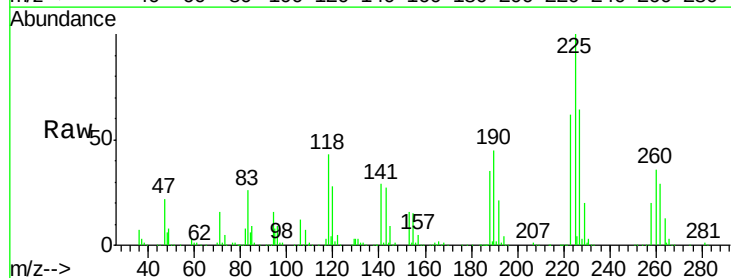
Manual Integrations
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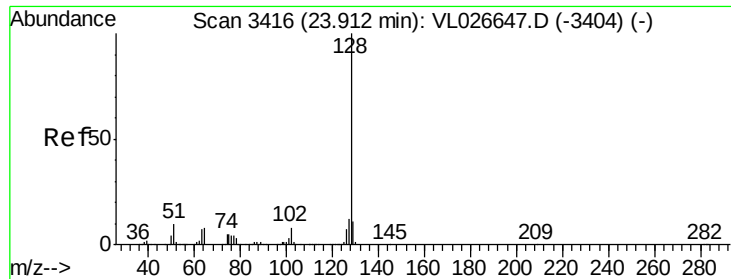
mohammad
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#78
 Hexachloro-1,3-Butadiene
 Concen: 6.39 ppbv
 RT: 24.69 min Scan# 3544
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	64.0	51.1	76.7





#79

Naphthalene

Concen: 6.73 ppbv

RT: 23.95 min Scan# 3422

Delta R.T. 0.04 min

Lab File: VL026670.D

Acq: 12 Jan 2016 11:09

Instrument :

MSVOA_L

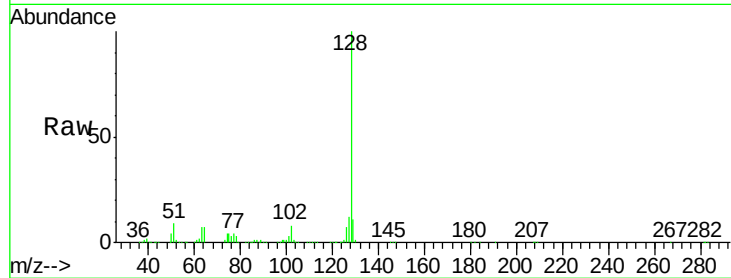
ClientSampleId :

VL0112ABS01

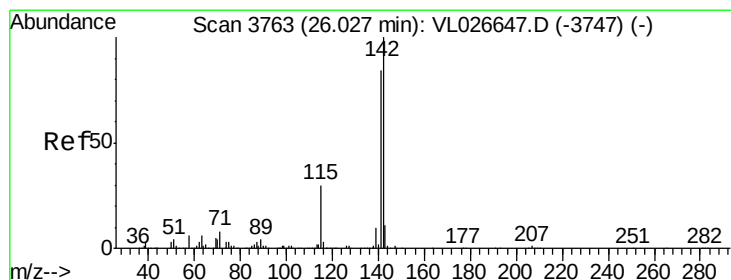
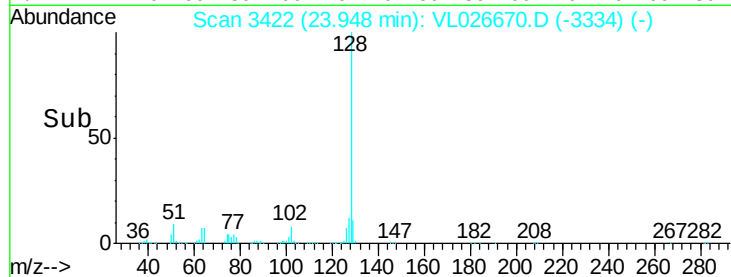
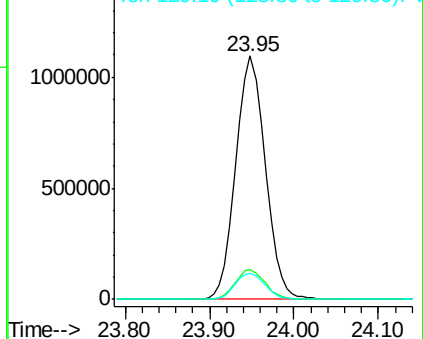
Tgt Ion:	128	Resp:	2600628
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.8	8.9	13.3

Manual Integrations
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mohammad
1/13/2016 2:36:26 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.77 ppbv

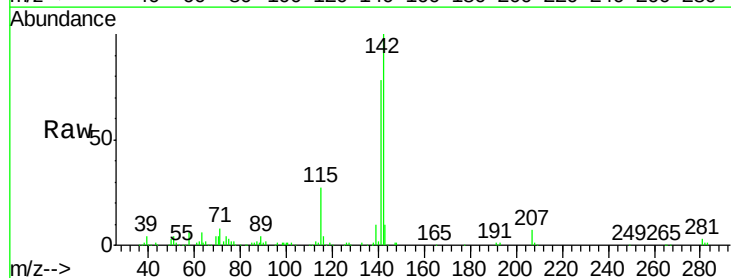
RT: 26.07 min Scan# 3770

Delta R.T. 0.04 min

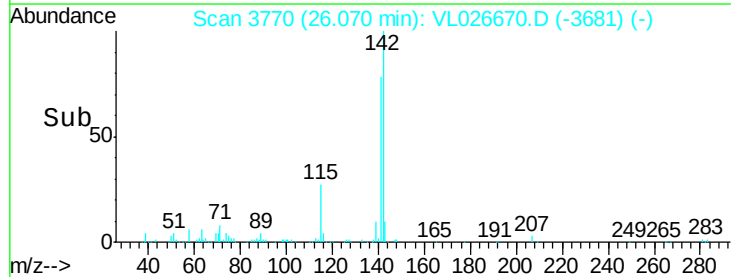
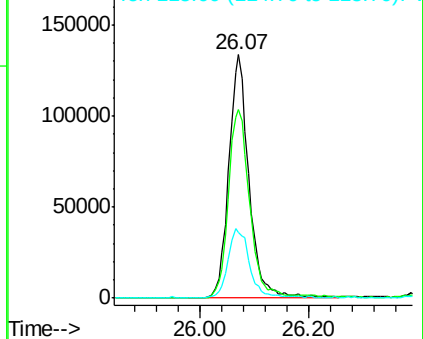
Lab File: VL026670.D

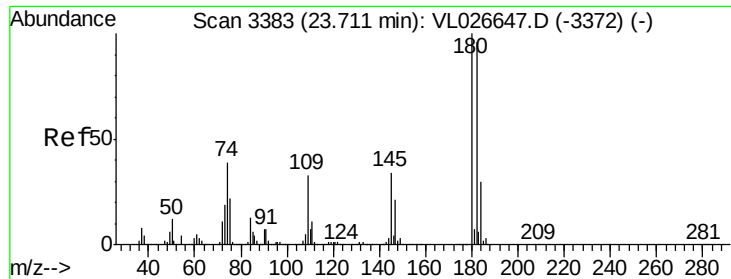
Acq: 12 Jan 2016 11:09

Tgt Ion:	142	Resp:	345835
Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.0	100.6
115	31.2	24.7	37.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.12 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.04 min
 Lab File: VL026670.D
 Acq: 12 Jan 2016 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1251658		
182	95.6		75.4	113.0
184	29.8		24.1	36.1

Manual Integrations
 APPROVED

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 1/13/2016 2:36:26 PM

