

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL011216\
 Data File : VL026668.D
 Acq On : 12 Jan 2016 9:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

mohammad
 1/13/2016 2:36:23 PM

Quant Time: Jan 13 04:21:31 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	6.66	49	707441	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.33	114	2237376	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.75	117	2924369m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2436304	10.45	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	2142289	11.39	ppbv	98
3) Chlorodifluoromethane	3.57	51	941801	10.00	ppbv	97
4) Chloromethane	3.75	50	423897	9.20	ppbv	99
5) Vinyl Chloride	3.89	62	512046	9.18	ppbv	98
6) Bromomethane	4.14	94	413133	10.40	ppbv	97
7) Chloroethane	4.25	64	231012	10.24	ppbv	99
8) Dichlorotetrafluoroethane	3.81	85	1551498	10.50	ppbv	99
9) Propene	3.60	41	296585	8.76	ppbv	98
10) Heptane	9.35	43	1233395	9.78	ppbv	96
11) Trichlorofluoromethane	4.70	101	2247908	11.53	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1317642	11.00	ppbv	99
13) Ethanol	4.33	45	59255	9.21	ppbv	100
14) Bromoethene	4.45	108	464597	10.77	ppbv	98
15) Acetone	4.60	43	1093905	9.40	ppbv	98
16) 1,3-Butadiene	3.97	39	455246	9.80	ppbv	99
17) tert-Butyl alcohol	5.13	59	990368	11.29	ppbv	100
18) 1,1-Dichloroethene	5.09	96	537422	10.76	ppbv	99
19) Isopropyl Alcohol	4.75	45	494859	10.31	ppbv #	99
20) Methylene Chloride	5.15	84	479667	10.04	ppbv	96
21) Allyl Chloride	5.23	41	707403	9.91	ppbv	88
22) trans-1,2-Dichloroethene	5.77	96	593265	10.40	ppbv	99
23) Vinyl Acetate	5.98	43	1828601	10.23	ppbv	99
24) 1,1-Dichloroethane	5.92	63	1300152	10.09	ppbv	99
25) Ethyl Acetate	6.67	43	1799279	10.02	ppbv	99
26) Hexane	6.66	57	928850	10.00	ppbv	97
27) Carbon Disulfide	5.39	76	1535491	11.12	ppbv	97
28) Methyl tert-Butyl Ether	5.95	73	2015163	10.91	ppbv	96
29) Chloroform	6.75	83	1829479	10.85	ppbv	100
30) Cyclohexane	8.29	84	980588	10.69	ppbv	95
31) cis-1,2-Dichloroethene	6.52	61	1005379	10.74	ppbv	97
32) 1,1,1-Trichloroethane	7.60	97	2038930	10.71	ppbv	99
34) 2-Butanone	6.20	43	1065934	8.94	ppbv	97
35) Carbon Tetrachloride	8.17	117	2063915	10.49	ppbv	99
36) Benzene	8.02	78	2180887	9.47	ppbv	98
37) 1,2-Dichloroethane	7.38	62	1650241	10.48	ppbv	99
38) Trichloroethene	9.07	130	899516	8.75	ppbv	96
39) 1,2-Dichloropropane	8.83	63	741129	9.31	ppbv	93
40) 1,4-Dioxane	9.12	88	216758	11.85	ppbv	84
41) Tetrahydrofuran	7.12	42	546512	9.25	ppbv	95
42) Bromodichloromethane	9.03	83	2151047	10.58	ppbv	99
43) Methyl Methacrylate	9.27	69	873773	10.39	ppbv	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	3321505	8.94	ppbv	97
45) t-1,3-Dichloropropene	10.65	75	1592735	11.70	ppbv	100
46) cis-1,3-Dichloropropene	10.02	75	1708557	11.03	ppbv	97
47) 1,1,2-Trichloroethane	10.88	97	1115490	9.83	ppbv	98
48) Dibromochloromethane	11.80	129	1904940	11.19	ppbv	100
49) Bromoform	14.82	173	1594650	11.48	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	1621980	9.67	ppbv	99
51) 2-Hexanone	11.62	43	1638331	10.61	ppbv #	100
52) Tetrachloroethene	12.80	164	1068611	9.28	ppbv	99
53) Toluene	11.24	91	3279416	10.10	ppbv	100
54) 1,2-Dibromoethane	12.15	107	1820884	10.14	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.79	131	1408172	10.46	ppbv	97
57) Chlorobenzene	13.82	112	2867029	9.52	ppbv	99
58) Ethyl Benzene	14.42	91	5480785	10.49	ppbv	98
59) m/p-Xylene	14.72	91	8486335	19.71	ppbv #	31
60) o-Xylene	15.50	91	4445382	9.56	ppbv	99
61) Styrene	15.32	104	2089370	11.49	ppbv	99
62) Isopropylbenzene	16.55	105	6188001	10.05	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.49	83	2782510	8.02	ppbv	100
64) n-propylbenzene	17.53	120	1680945	10.18	ppbv	97
65) tert-Butylbenzene	18.82	119	5280334	9.36	ppbv	100
66) Benzyl Chloride	19.11	91	2389466	11.85	ppbv	99
67) sec-Butylbenzene	19.42	105	8264495	9.87	ppbv	99
69) p-Isopropyltoluene	19.80	119	6545340	10.22	ppbv	99
70) n-Butylbenzene	20.76	91	6890546	10.34	ppbv	99
71) 2-Chlorotoluene	17.43	91	5073005	10.58	ppbv	98
72) 4-Ethyltoluene	17.83	105	5462721	10.50	ppbv	100
73) 1,3,5-Trimethylbenzene	18.00	105	5037971	10.22	ppbv	98
74) 1,2,4-Trimethylbenzene	18.84	105	4898786	9.36	ppbv #	92
75) 1,3-Dichlorobenzene	19.13	146	3141034	9.71	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	3317559	10.00	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	3299181	10.05	ppbv	98
78) Hexachloro-1,3-Butadiene	24.68	225	1158588	8.65	ppbv	99
79) Naphthalene	23.94	128	3694937	10.46	ppbv	99
80) Naphthalene, 2-methyl-	26.05	142	817087	14.90	ppbv	99
81) 1,2,4-Trichlorobenzene	23.74	180	1618142	10.06	ppbv	99

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

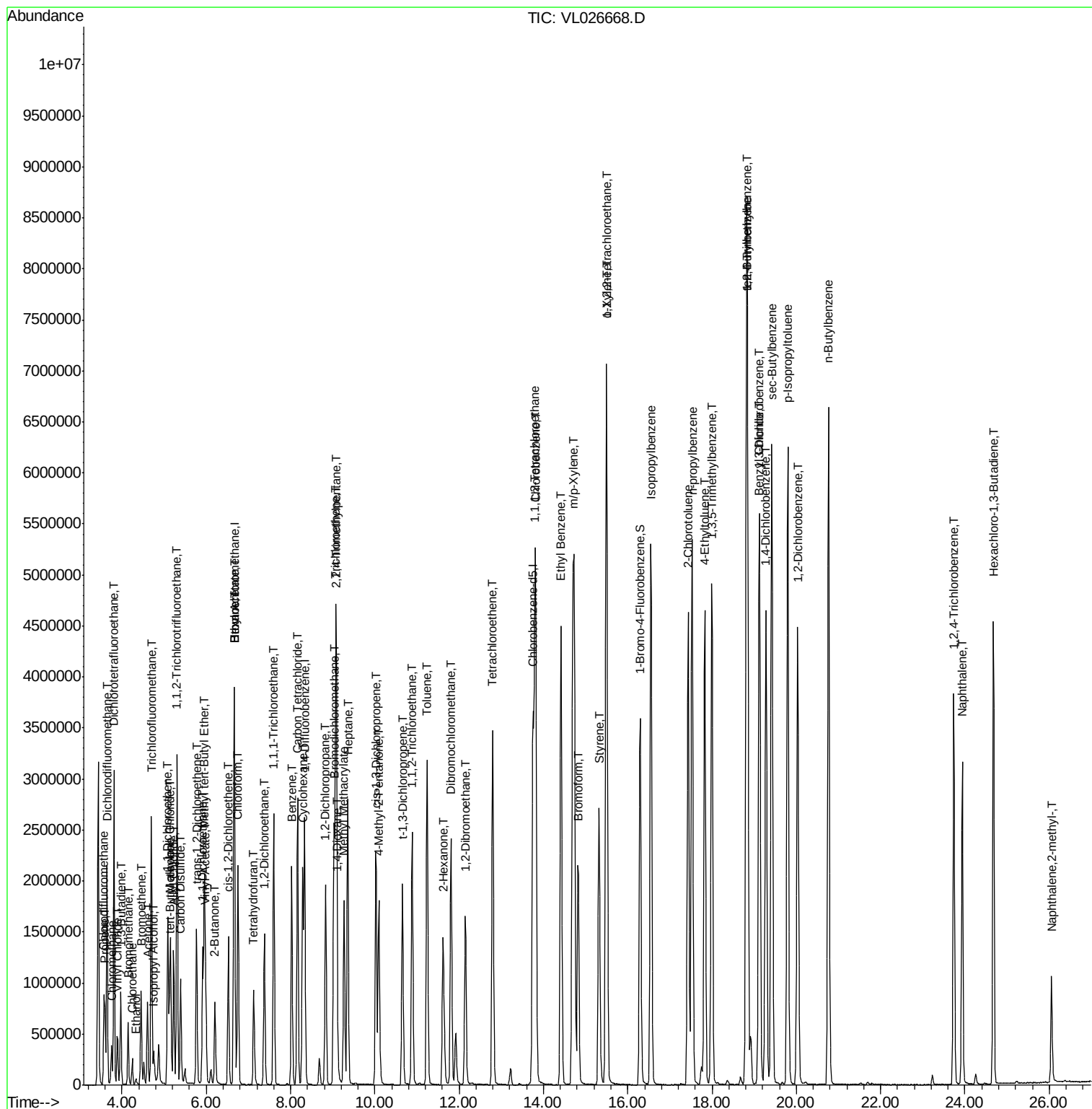
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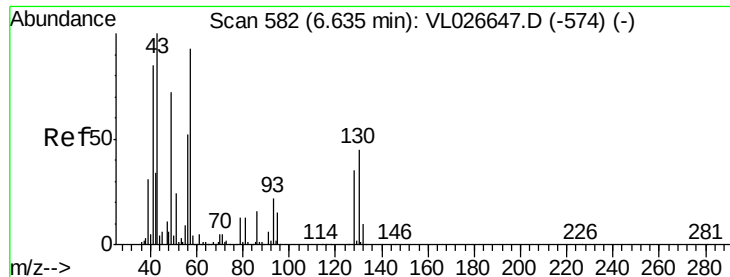
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

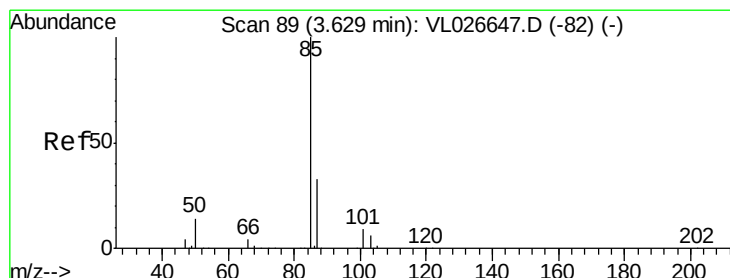
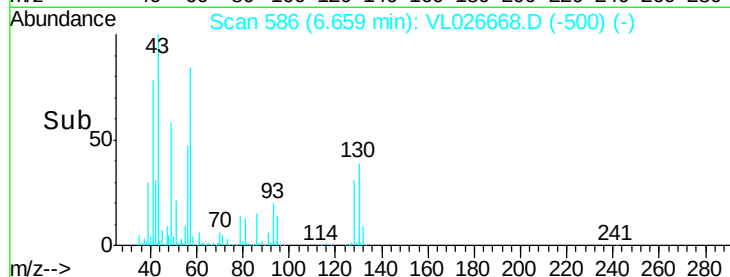
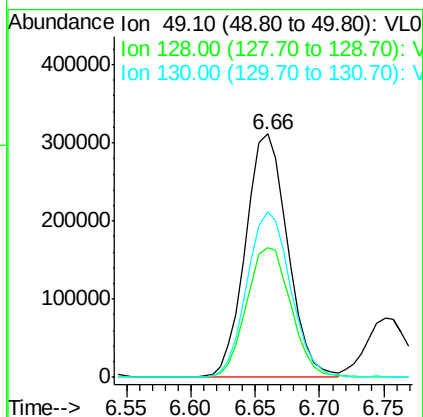
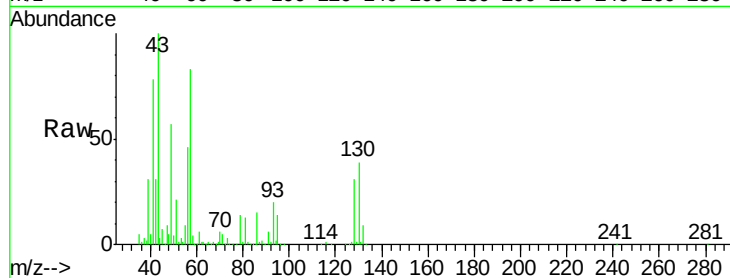
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	56.3	25.9	77.7
130	71.2	33.6	100.8

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#2

Dichlorodifluoromethane

Concen: 11.39 ppbv

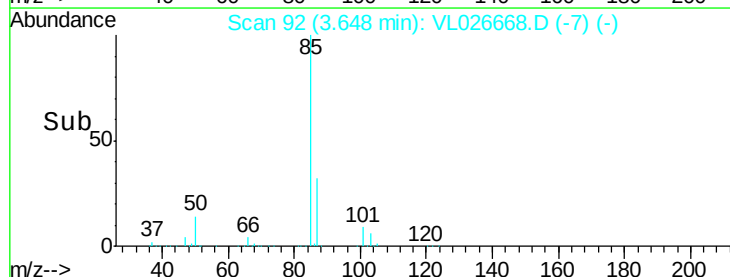
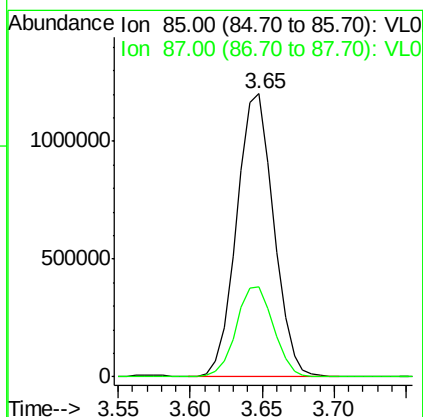
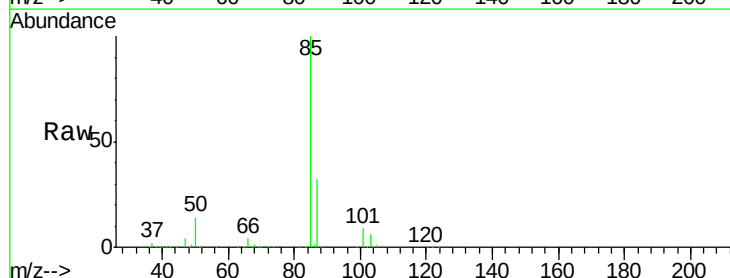
RT: 3.65 min Scan# 92

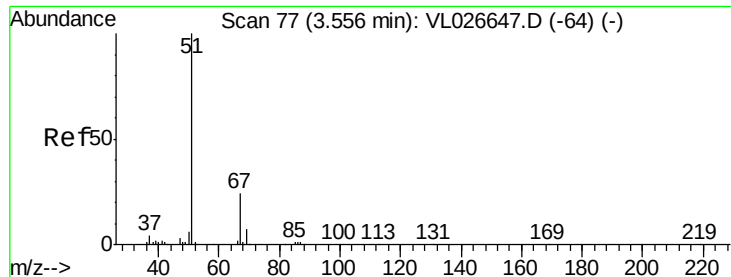
Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.4	39.6





#3

Chlorodifluoromethane

Concen: 10.00 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tot Ion: 51 Resp: 941801

Ion Ratio Lower Upper

51 100

67 24.9 18.6 28.0

Instrument :

MSVOA_L

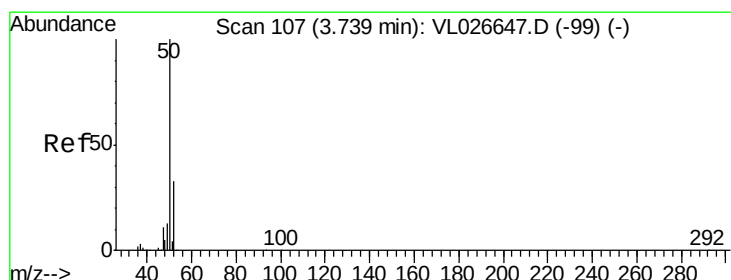
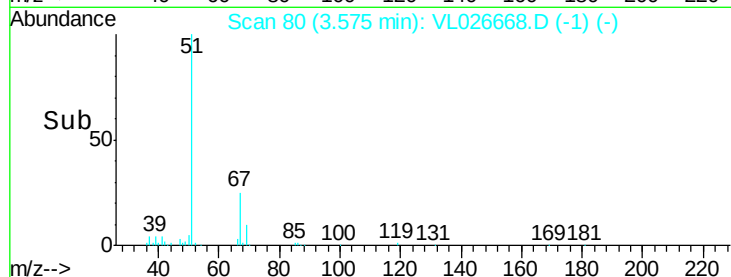
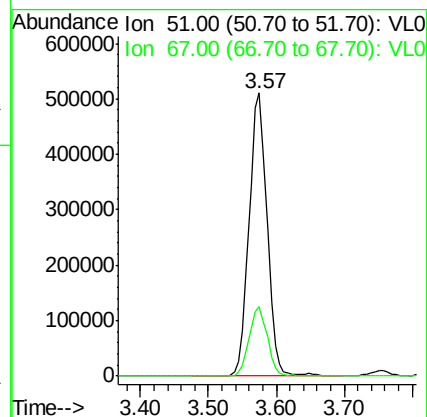
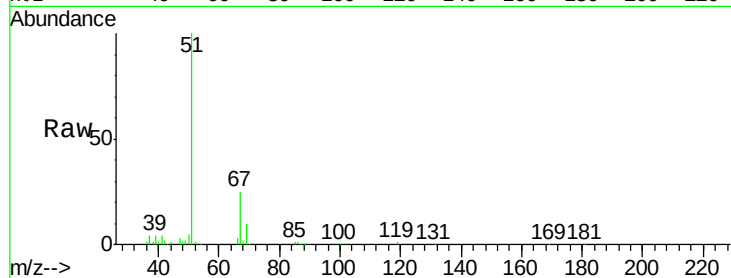
ClientSampleId :

VSTDCCC010

Manual Integrations
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#4

Chloromethane

Concen: 9.20 ppbv

RT: 3.75 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL026668.D

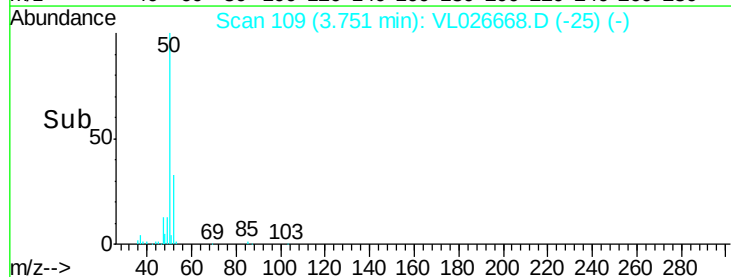
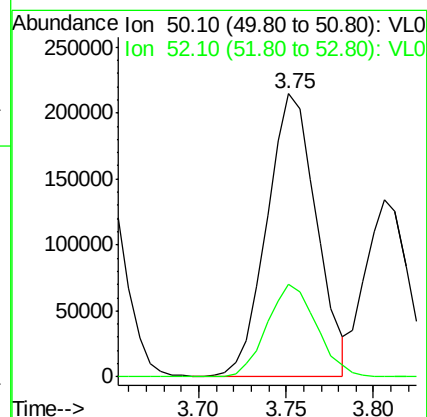
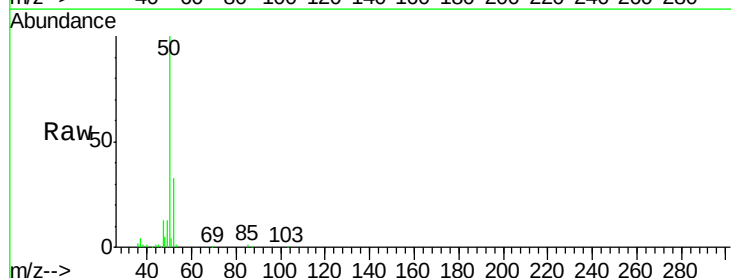
Acq: 12 Jan 2016 9:09

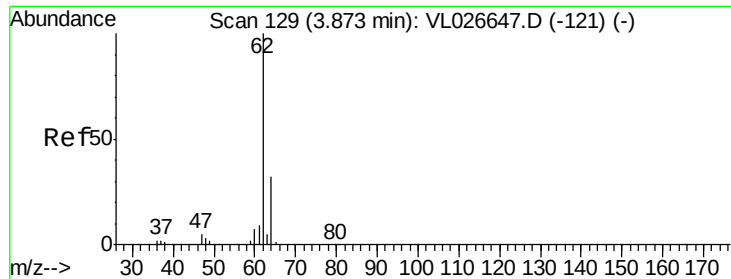
Tgt Ion: 50 Resp: 423897

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1





#5

Vinyl Chloride

Concen: 9.18 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 512046

Ion Ratio Lower Upper

62 100

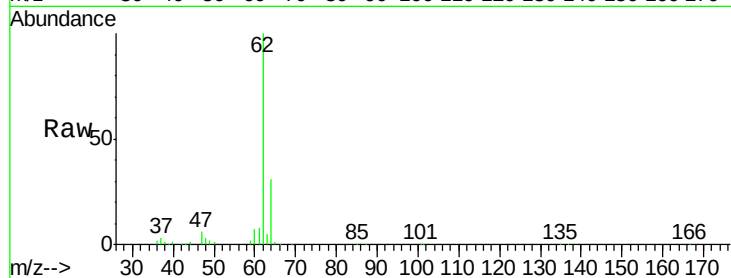
64 31.0 25.6 38.4

Manual Integrations

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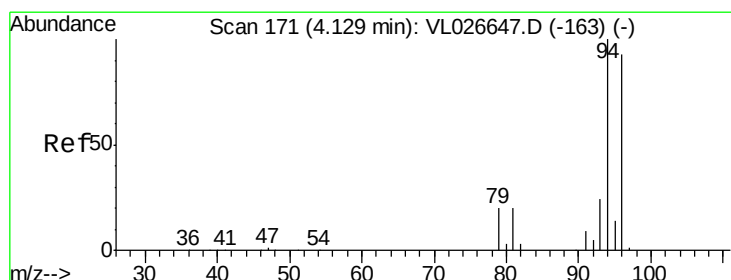
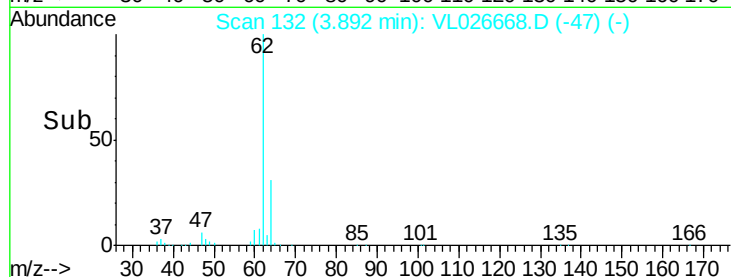
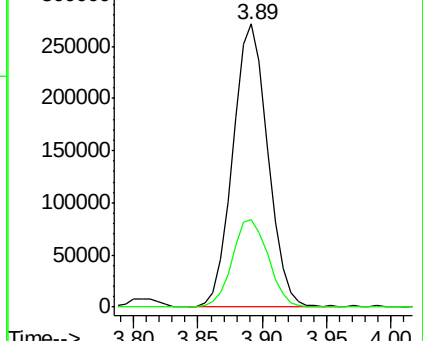
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.40 ppbv

RT: 4.14 min Scan# 173

Delta R.T. 0.01 min

Lab File: VL026668.D

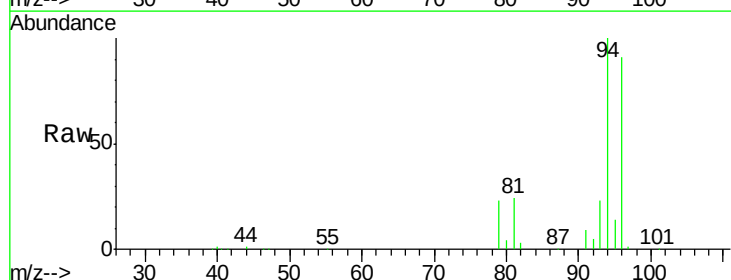
Acq: 12 Jan 2016 9:09

Tgt Ion: 94 Resp: 413133

Ion Ratio Lower Upper

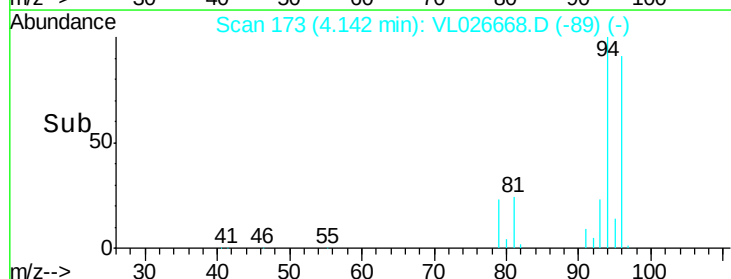
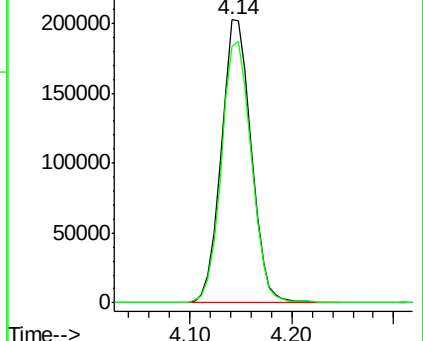
94 100

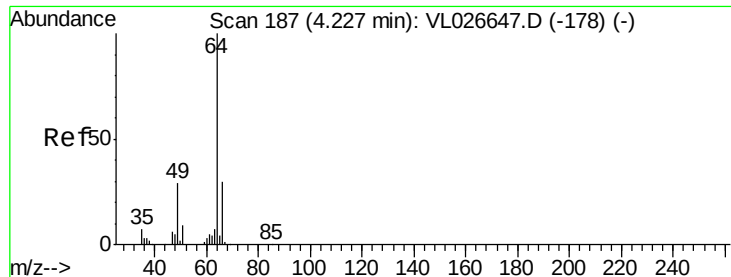
96 90.6 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.24 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 64 Resp: 231012

Ion Ratio Lower Upper

64 100

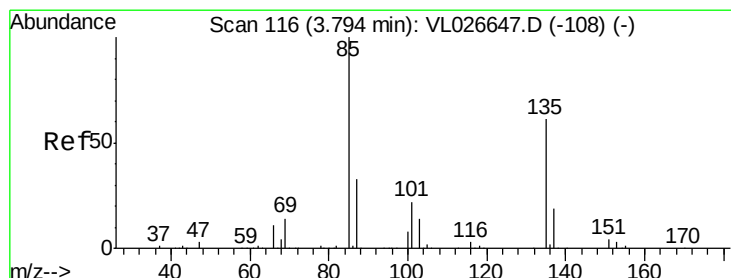
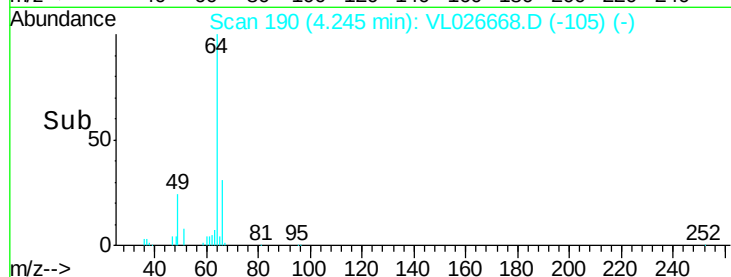
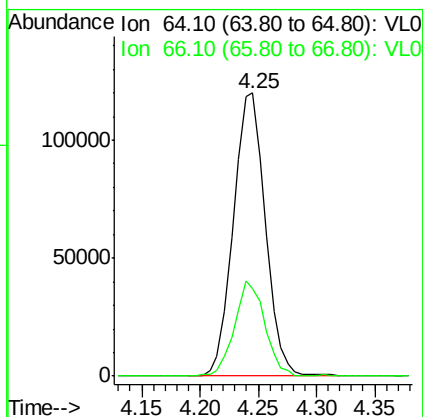
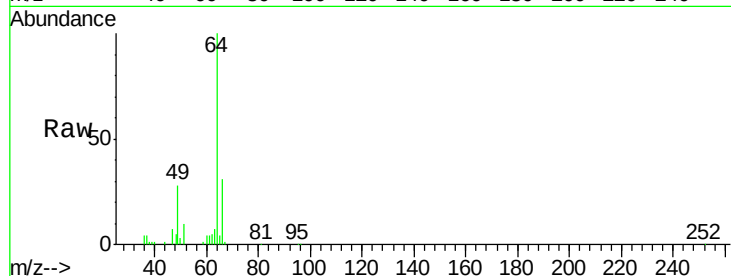
66 30.8 24.3 36.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.50 ppbv

RT: 3.81 min Scan# 118

Delta R.T. 0.01 min

Lab File: VL026668.D

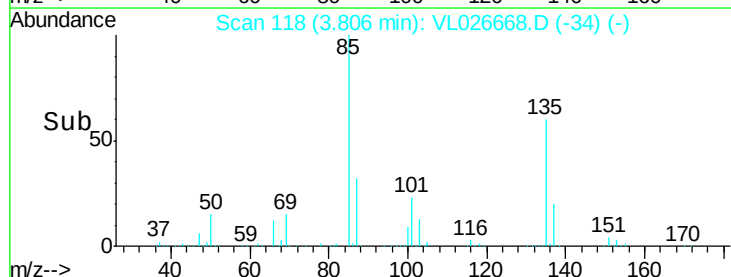
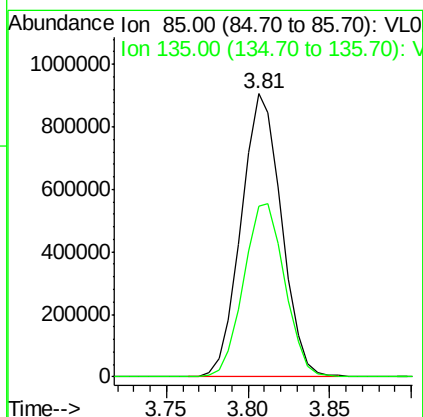
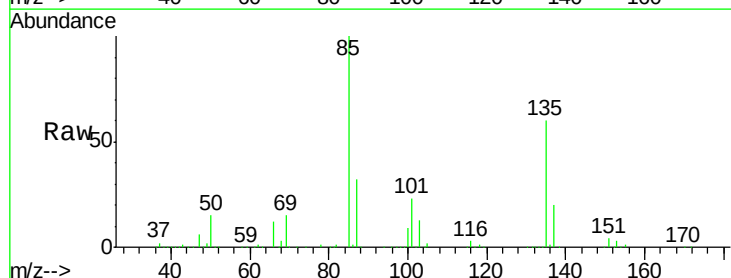
Acq: 12 Jan 2016 9:09

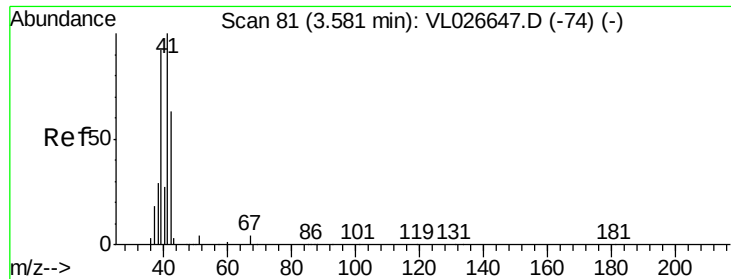
Tgt Ion: 85 Resp: 1551498

Ion Ratio Lower Upper

85 100

135 63.1 49.8 74.6





#9

Propene

Concen: 8.76 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 296585

Ion Ratio Lower Upper

41 100

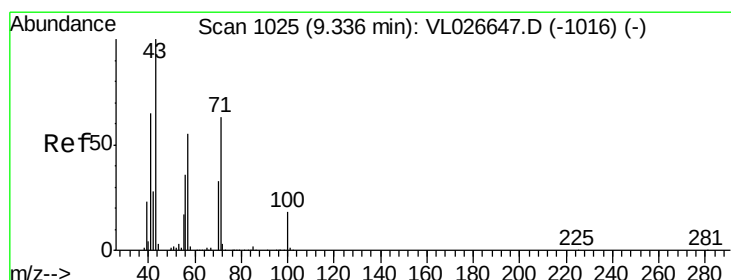
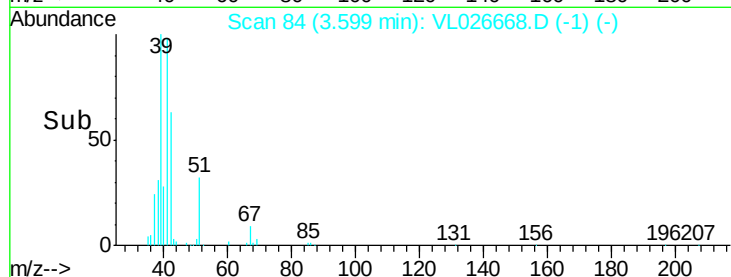
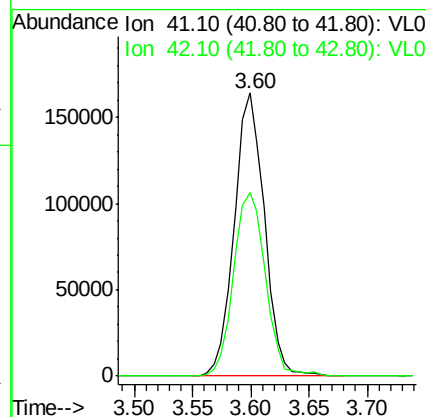
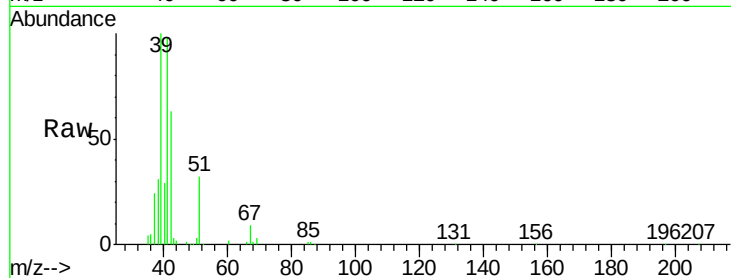
42 68.6 53.6 80.4

Manual Integrations

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#10

Heptane

Concen: 9.78 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VL026668.D

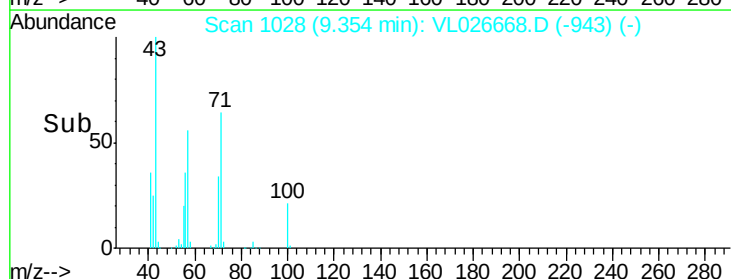
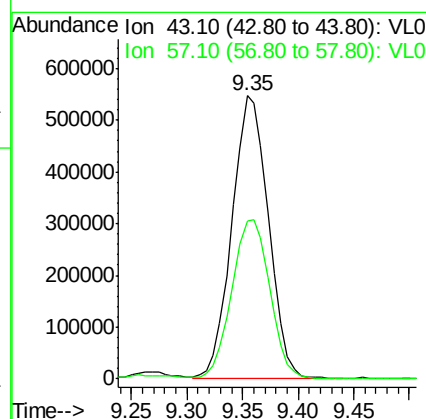
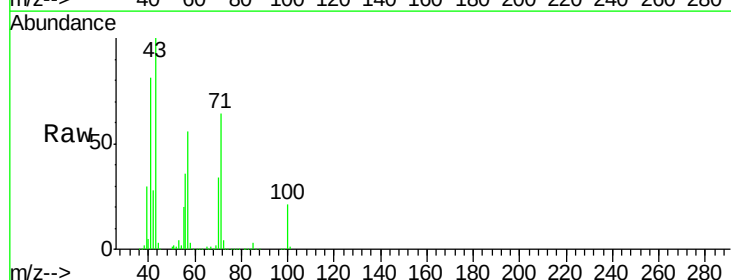
Acq: 12 Jan 2016 9:09

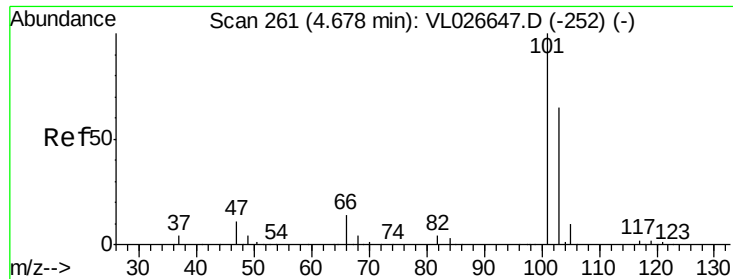
Tgt Ion: 43 Resp: 1233395

Ion Ratio Lower Upper

43 100

57 60.3 45.8 68.6





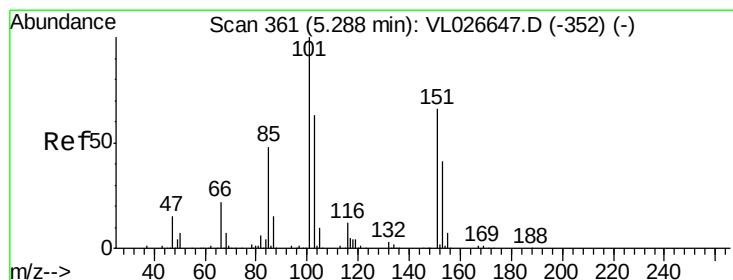
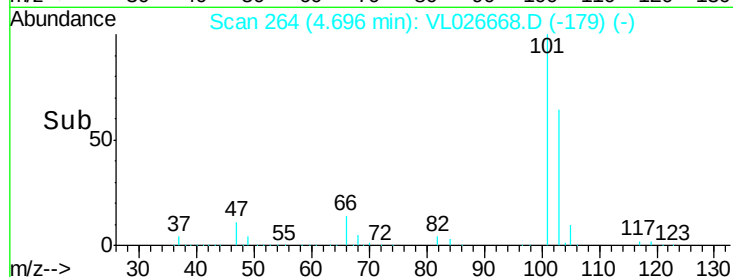
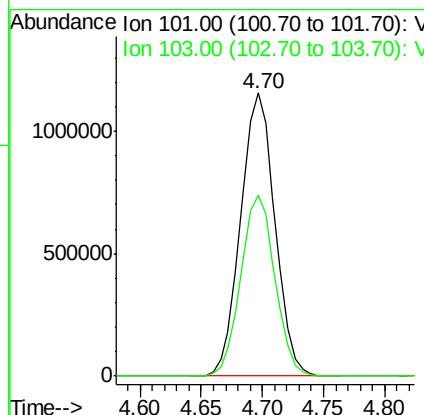
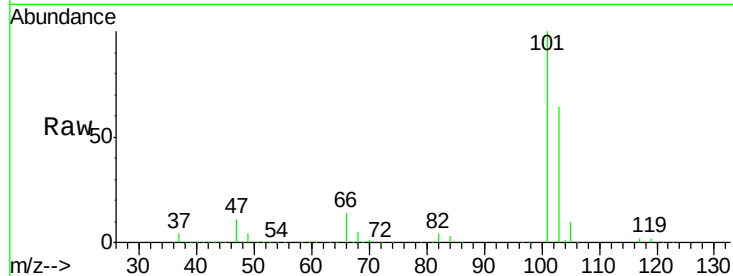
#11
 Trichlorofluoromethane
 Concen: 11.53 ppbv
 RT: 4.70 min Scan# 264
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2247908
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5

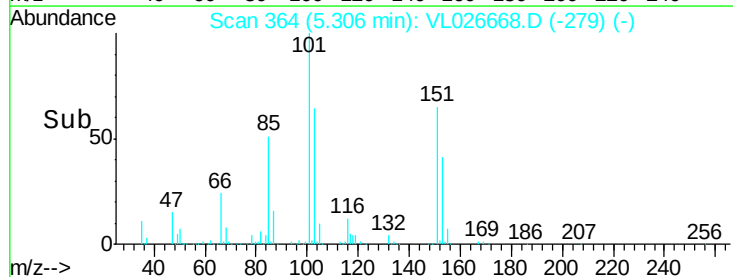
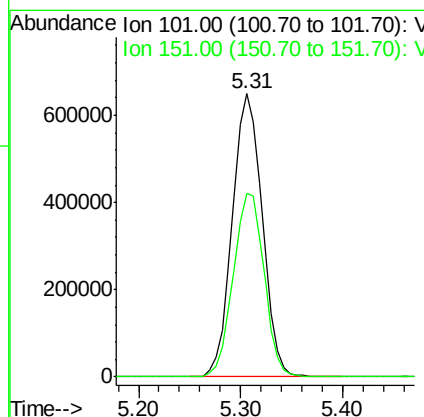
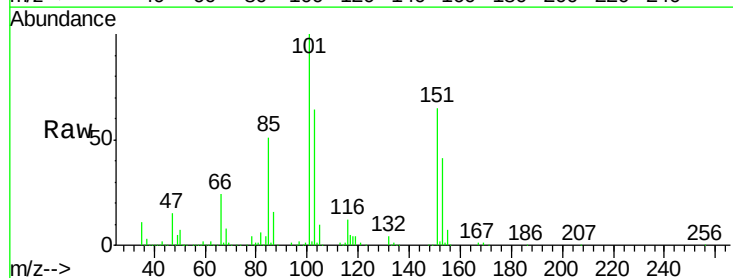
Manual Integrations
 APPROVED

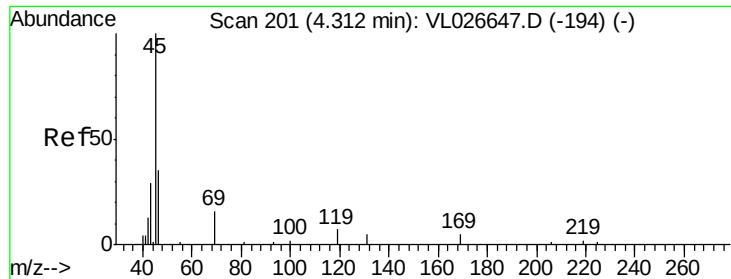
mohammad
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.00 ppbv
 RT: 5.31 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion:101 Resp: 1317642
 Ion Ratio Lower Upper
 101 100
 151 66.8 54.2 81.4





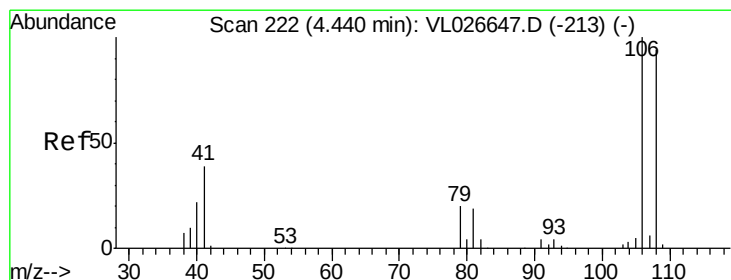
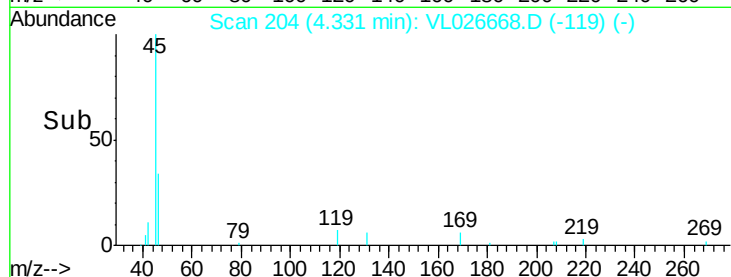
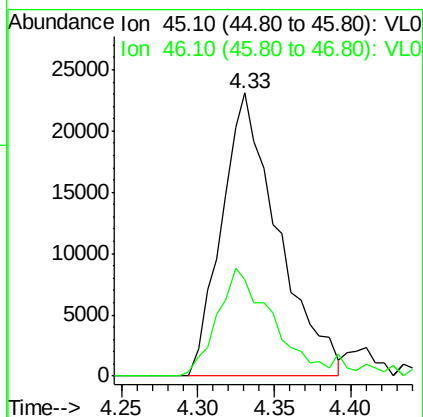
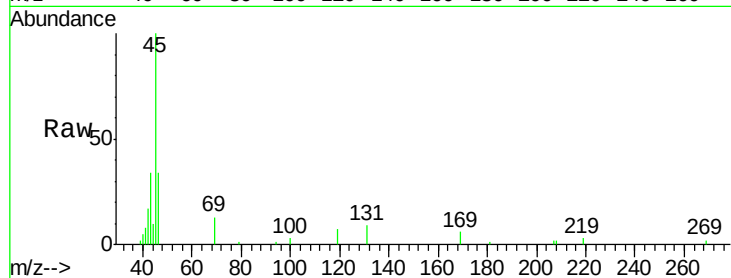
#13
Ethanol
Concen: 9.21 ppbv
RT: 4.33 min Scan# 204
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 59255
Ion Ratio Lower Upper
45 100
46 41.6 16.7 66.7

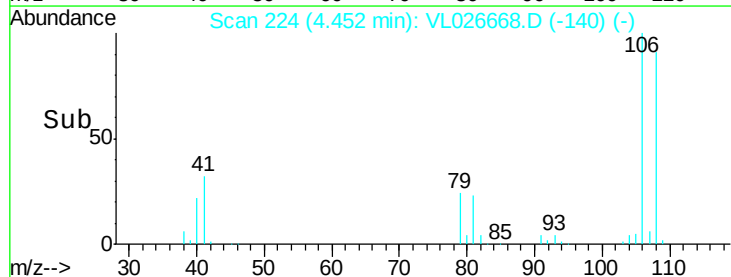
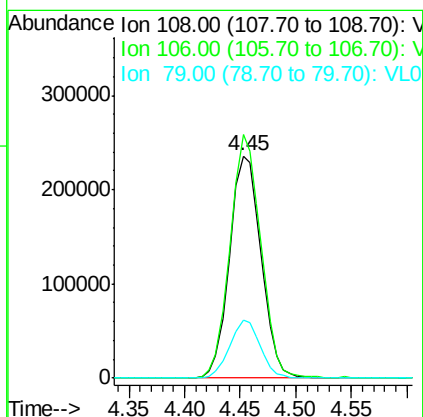
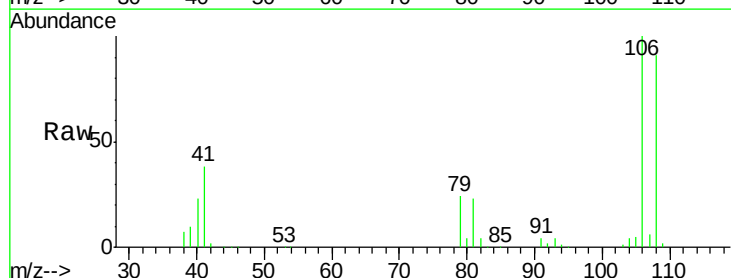
Manual Integrations
APPROVED

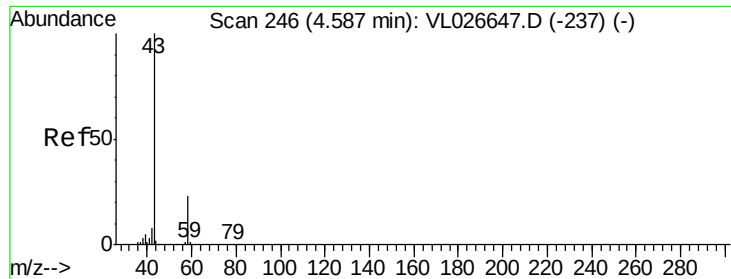
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#14
Bromoethene
Concen: 10.77 ppbv
RT: 4.45 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 108 Resp: 464597
Ion Ratio Lower Upper
108 100
106 106.9 86.4 129.6
79 25.6 17.2 25.8





#15

Acetone

Concen: 9.40 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tot Ion: 43 Resp: 1093905

Ion Ratio Lower Upper

43 100

58 23.2 19.2 28.8

Instrument :

MSVOA_L

ClientSampleId :

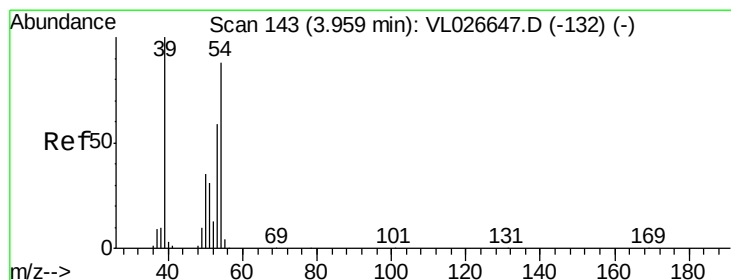
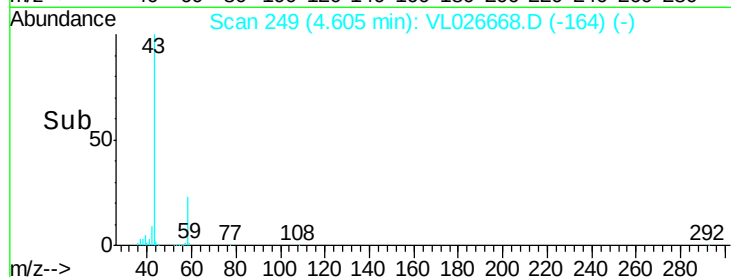
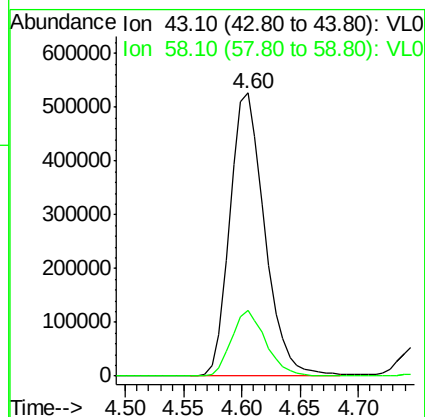
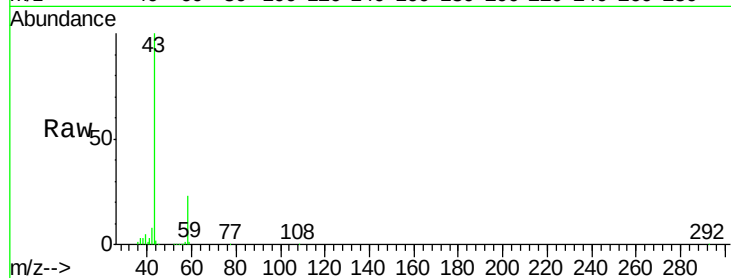
VSTDCCC010

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.80 ppbv

RT: 3.97 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL026668.D

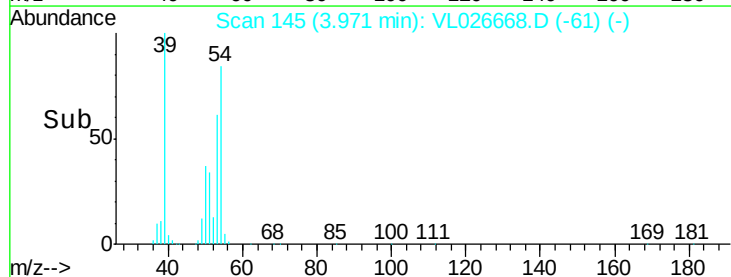
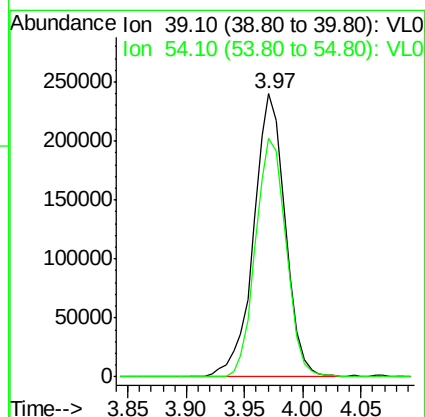
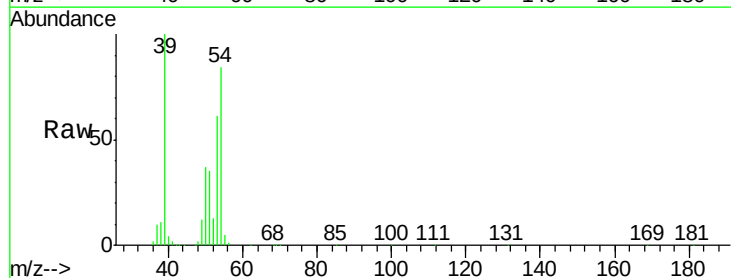
Acq: 12 Jan 2016 9:09

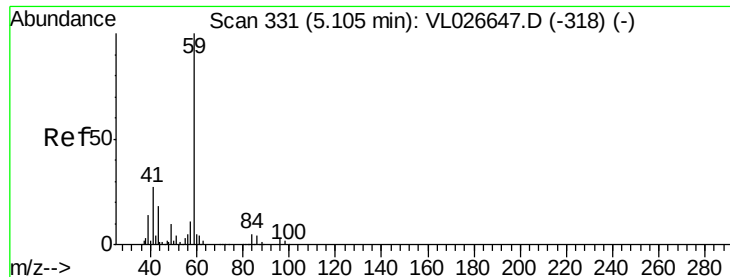
Tgt Ion: 39 Resp: 455246

Ion Ratio Lower Upper

39 100

54 82.0 66.6 100.0





#17

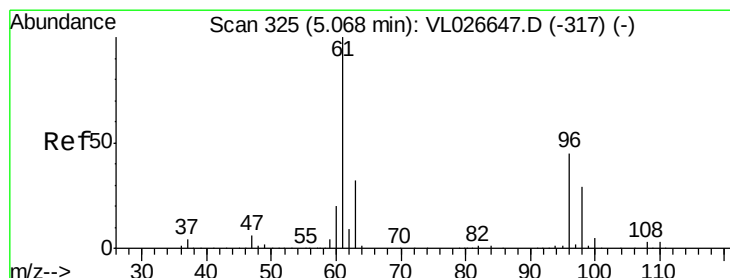
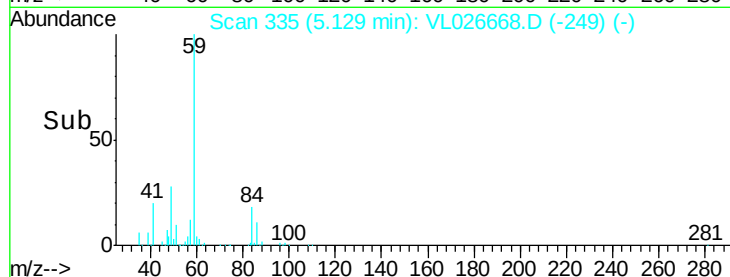
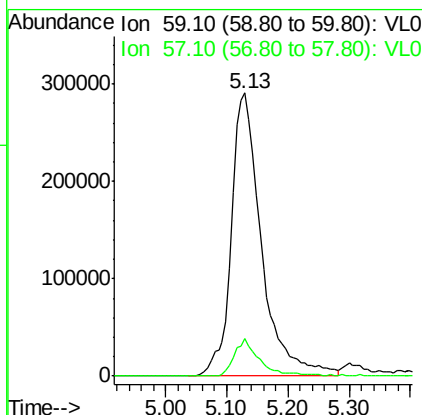
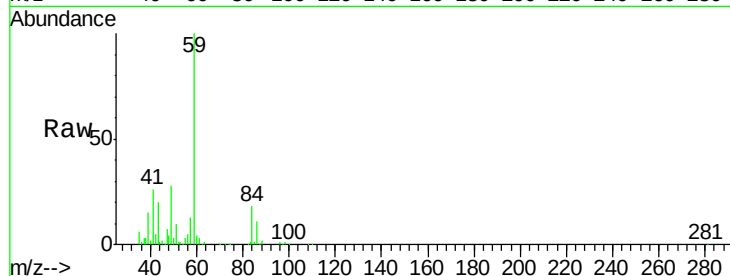
tert-Butyl alcohol
Concen: 11.29 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

Manual Integrations
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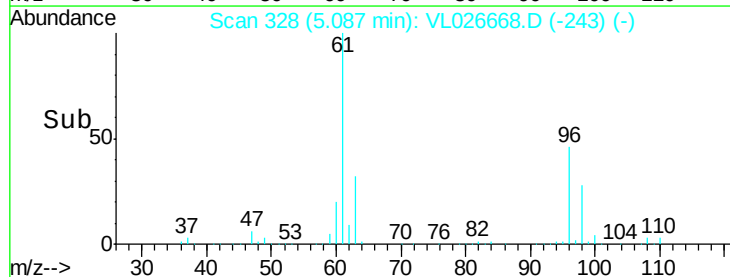
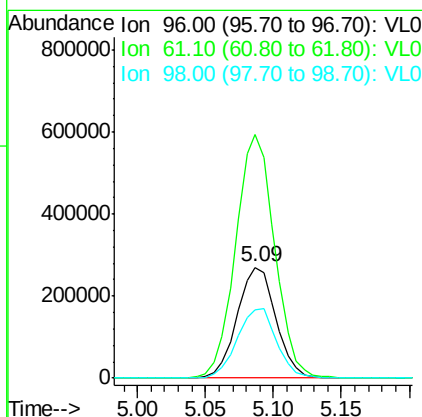
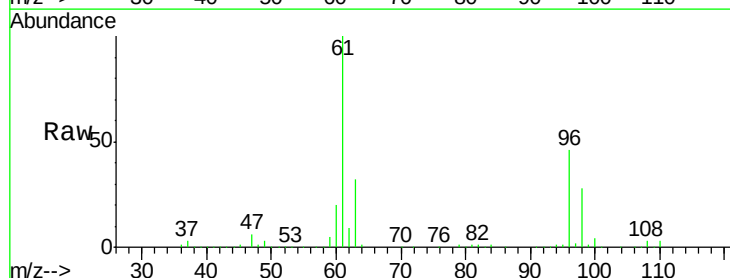
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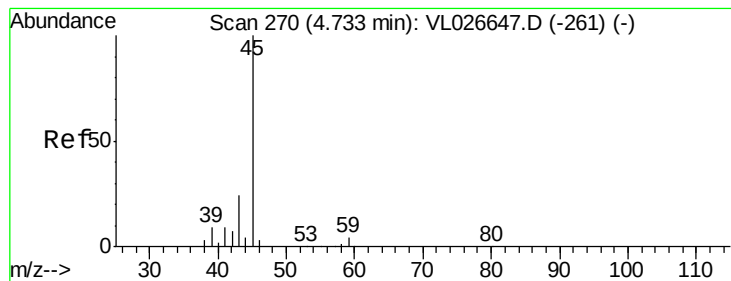


#18

1,1-Dichloroethene
Concen: 10.76 ppbv
RT: 5.09 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	219.5	176.7	265.1
98	62.1	51.8	77.6





#19

Isopropyl Alcohol

Concen: 10.31 ppbv

RT: 4.75 min Scan# 273

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 494859

Ion Ratio Lower Upper

45 100

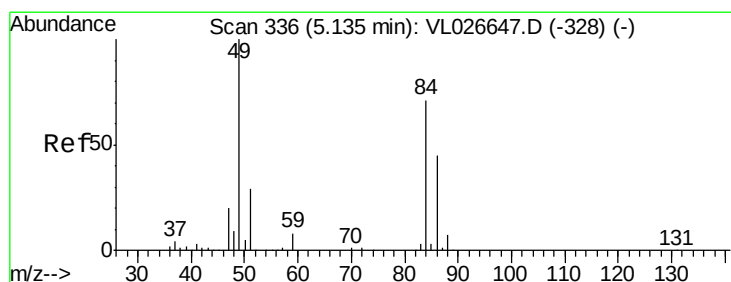
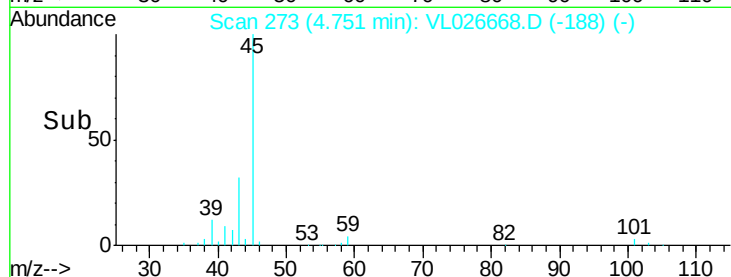
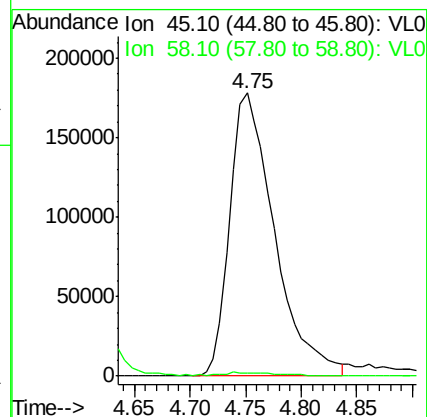
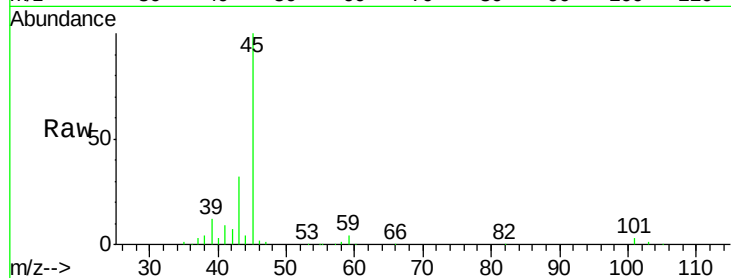
58 2.1 1.3 1.9#

Manual Integrations

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#20

Methylene Chloride

Concen: 10.04 ppbv

RT: 5.15 min Scan# 339

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tgt Ion: 84 Resp: 479667

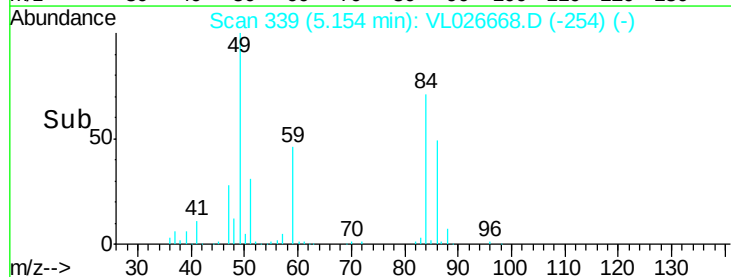
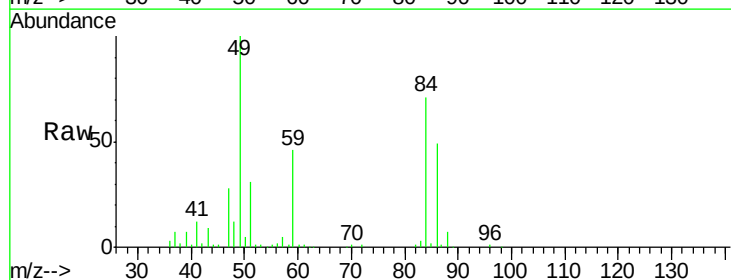
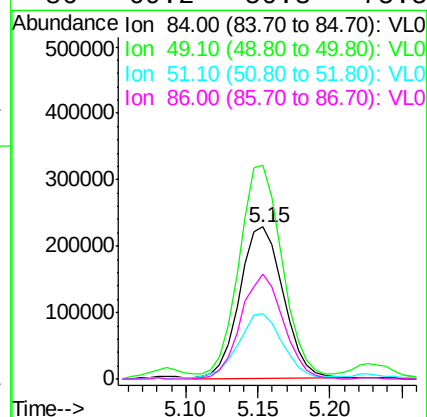
Ion Ratio Lower Upper

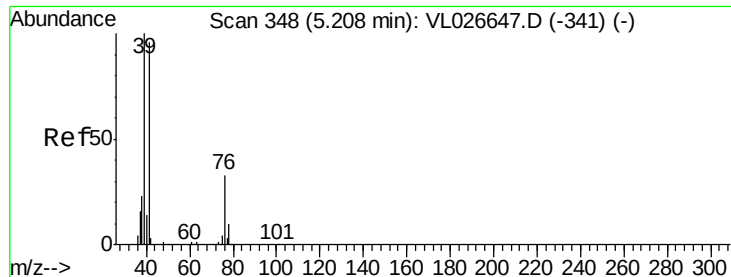
84 100

49 138.3 112.3 168.5

51 42.4 32.5 48.7

86 69.2 50.3 75.5





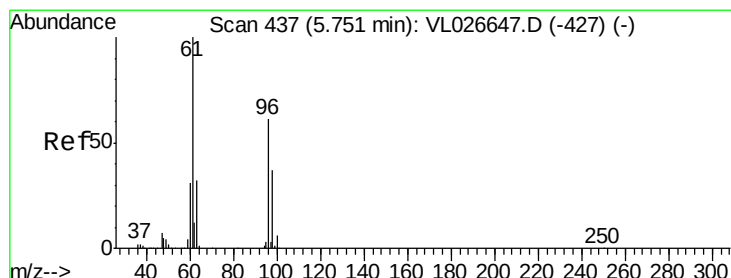
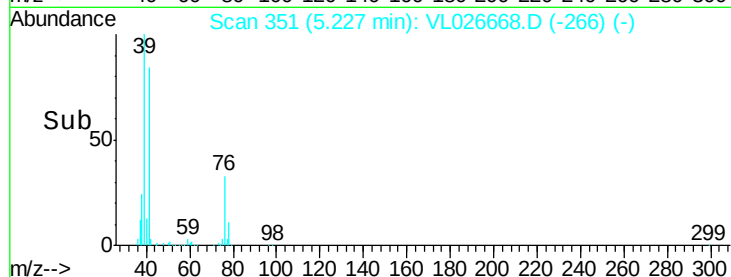
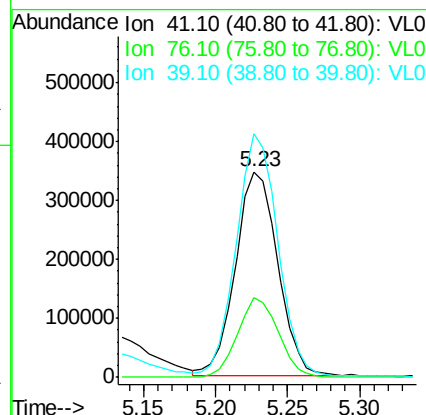
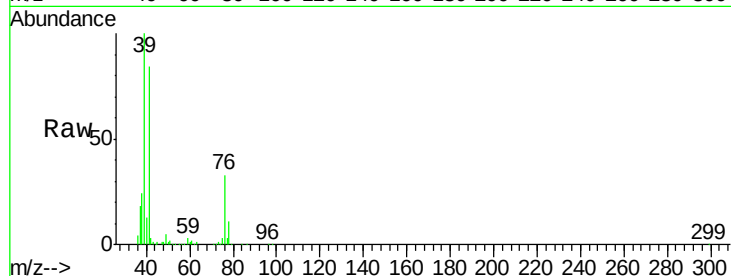
#21
 Allvl Chloride
 Concen: 9.91 ppbv
 RT: 5.23 min Scan# 351
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	37.8	27.5	41.3
39	118.3	83.0	124.6

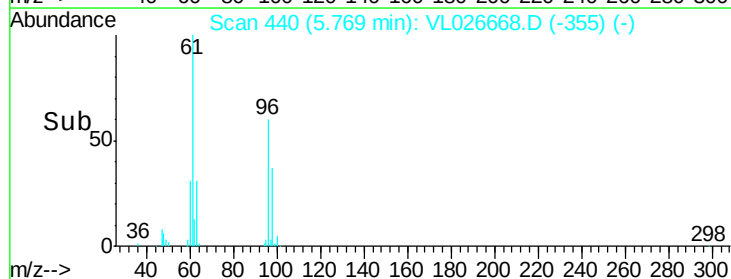
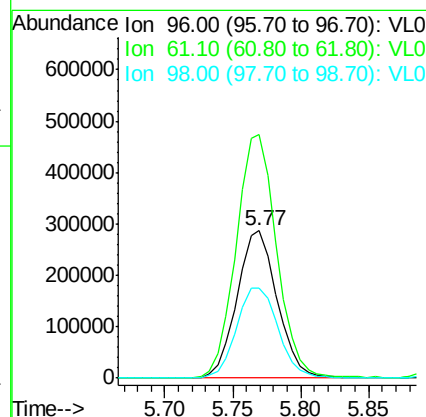
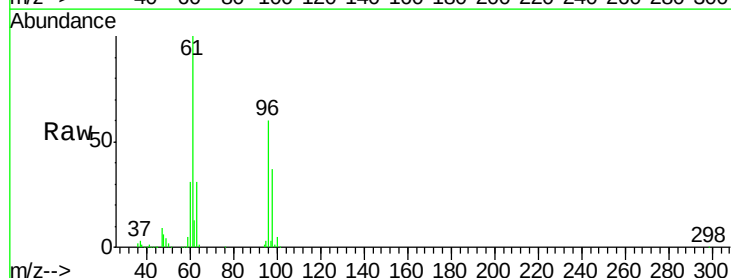
Manual Integrations
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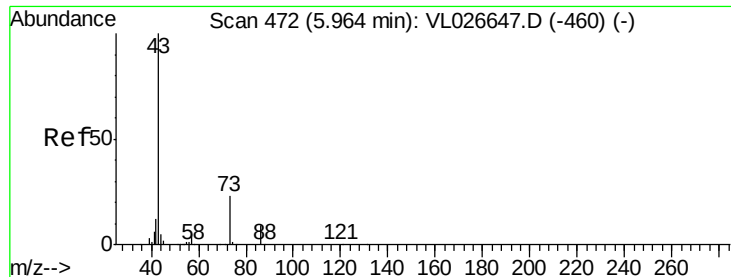
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#22
 trans-1,2-Dichloroethene
 Concen: 10.40 ppbv
 RT: 5.77 min Scan# 440
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	131.0	196.6
98	61.3	48.1	72.1





#23

Vinyl Acetate

Concen: 10.23 ppbv

RT: 5.98 min Scan# 475

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1828601

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.4	11.0
42	12.4	9.2	13.8
44	4.8	3.8	5.8

43 100

86 9.4 7.4 11.0

42 12.4 9.2 13.8

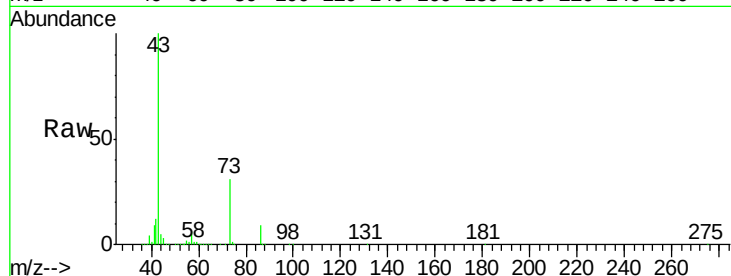
44 4.8 3.8 5.8

Manual Integrations

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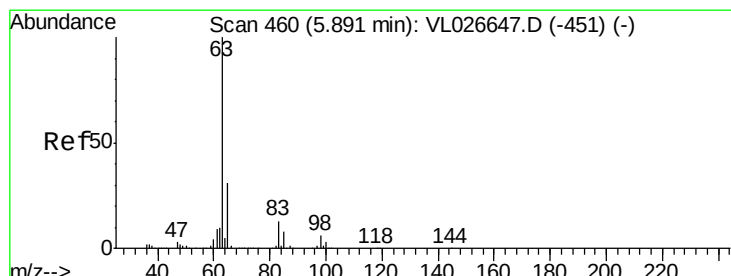
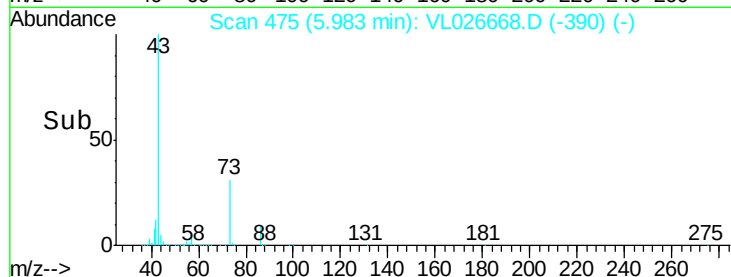
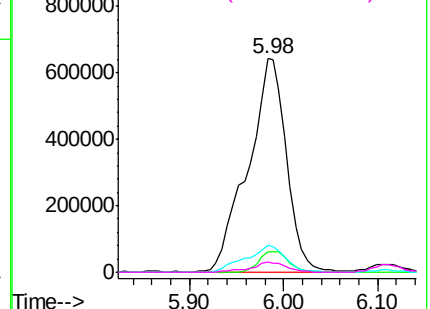
Abundance

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: 10.09 ppbv

RT: 5.92 min Scan# 464

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

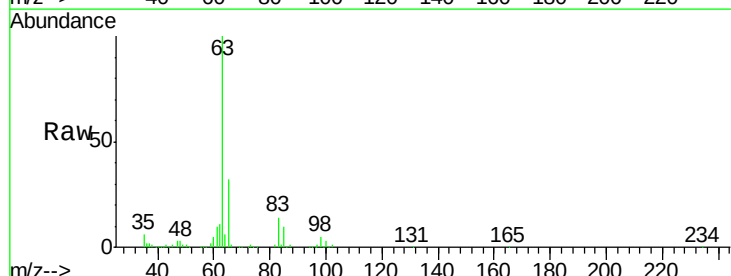
Tgt Ion: 63 Resp: 1300152

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.9	8.7
100	3.1	1.6	4.8

63 100

98 5.3 2.9 8.7

100 3.1 1.6 4.8

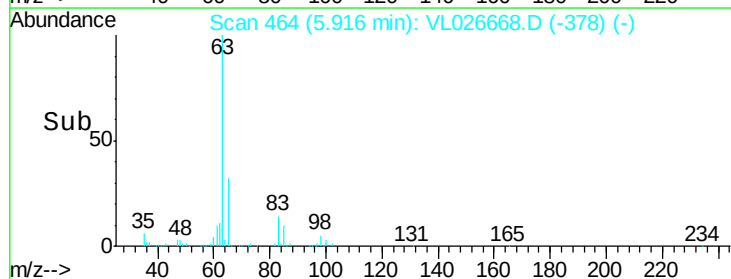
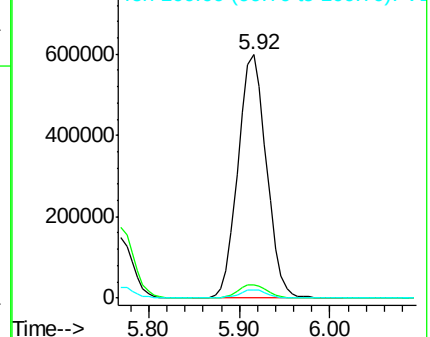


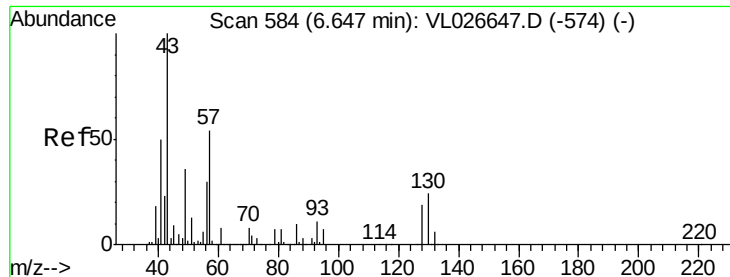
Abundance

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





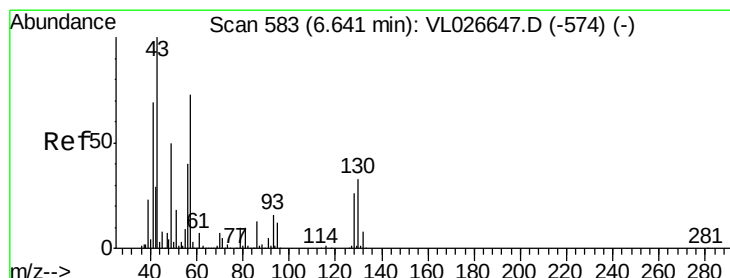
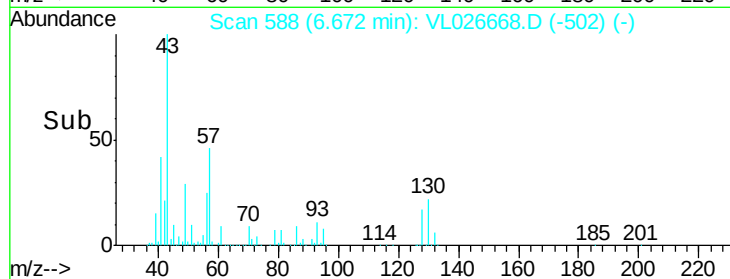
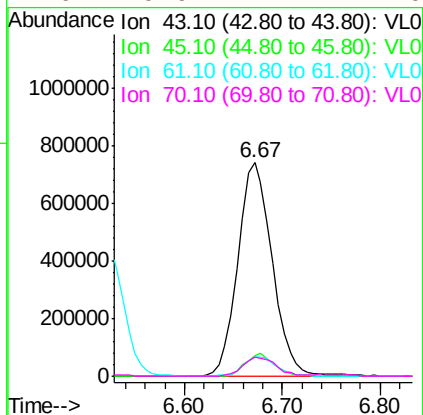
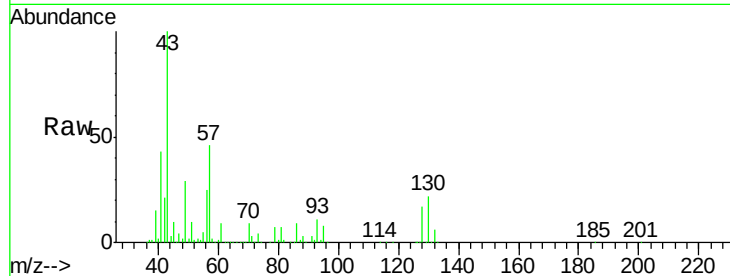
#25
Ethyl Acetate
Concen: 10.02 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.4	7.5	11.3	
61	9.1	7.3	10.9	
70	9.9	7.4	11.0	

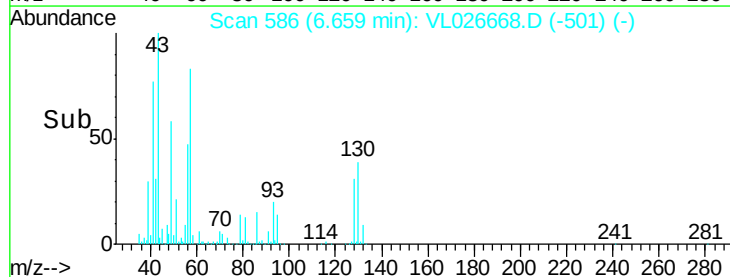
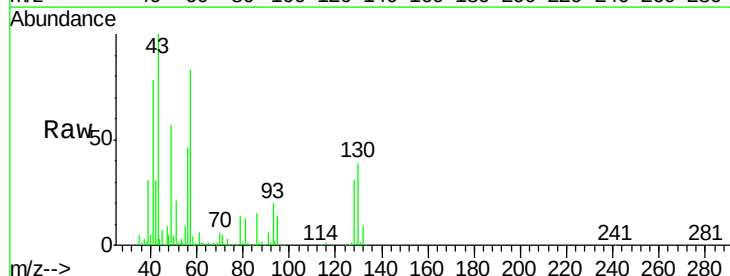
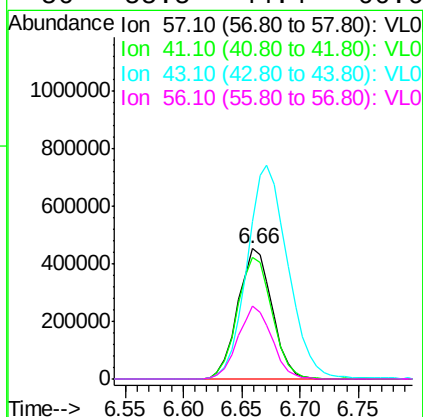
Manual Integrations
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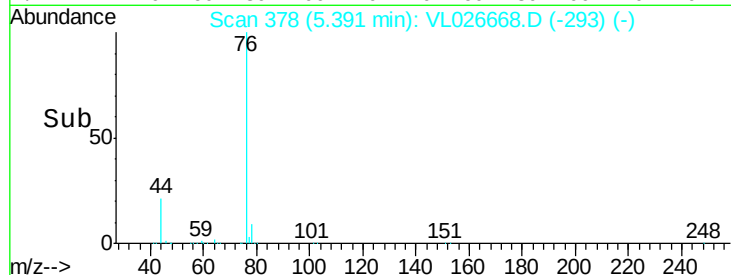
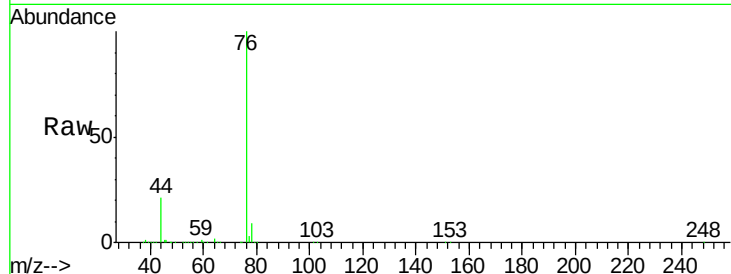
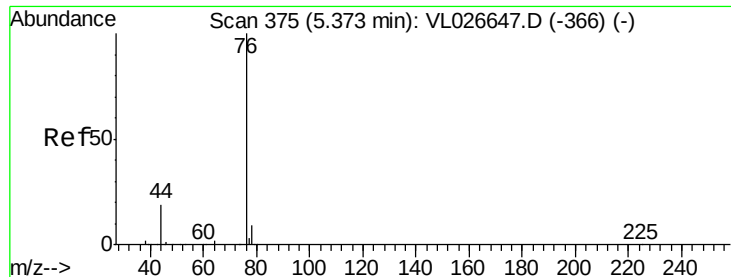
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#26
Hexane
Concen: 10.00 ppbv
RT: 6.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	96.3	74.8	112.2	
43	196.9	161.5	242.3	
56	55.5	44.4	66.6	





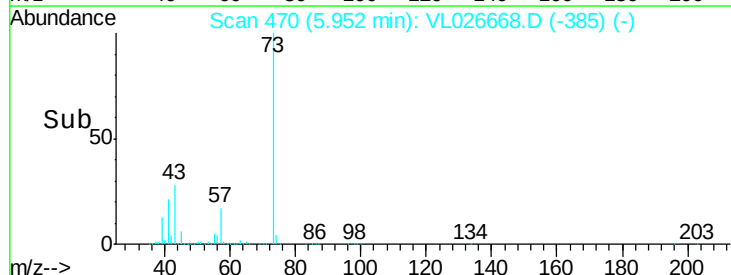
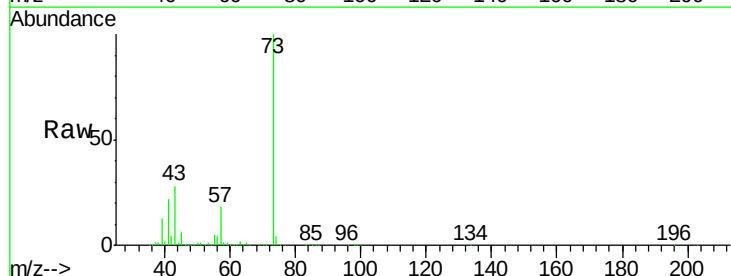
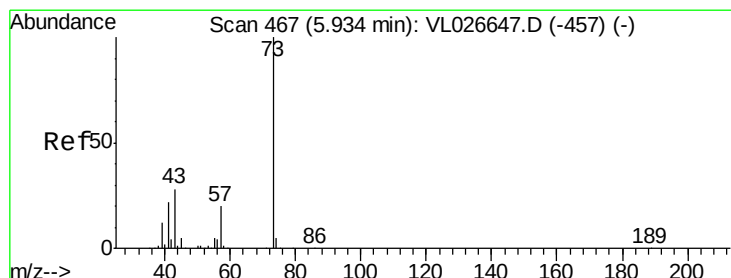
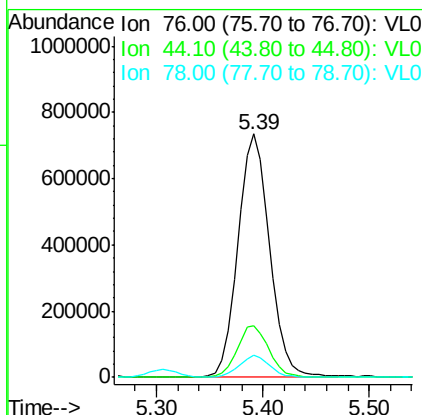
#27
Carbon Disulfide
Concen: 11.12 ppbv
RT: 5.39 min Scan# 378
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tot Ion: 76 Resp: 1535491
Ion Ratio Lower Upper
76 100
44 21.9 15.9 23.9
78 9.2 7.6 11.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

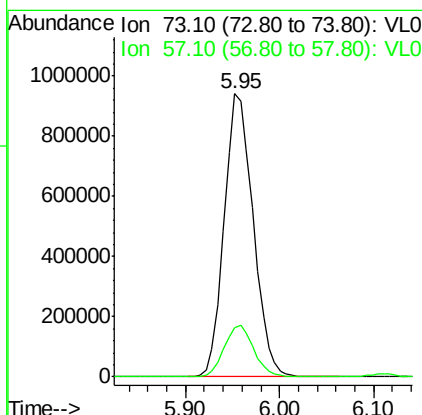
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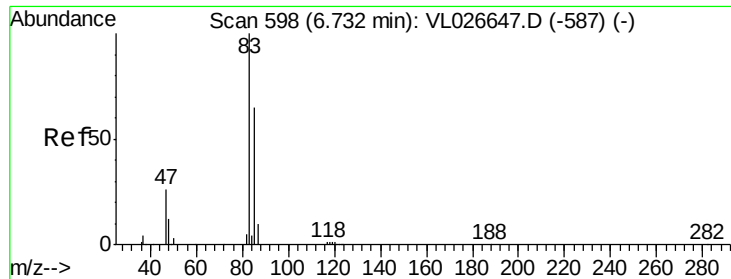
mohammad
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#28
Methyl tert-Butyl Ether
Concen: 10.91 ppbv
RT: 5.95 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 73 Resp: 2015163
Ion Ratio Lower Upper
73 100
57 18.4 16.2 24.4





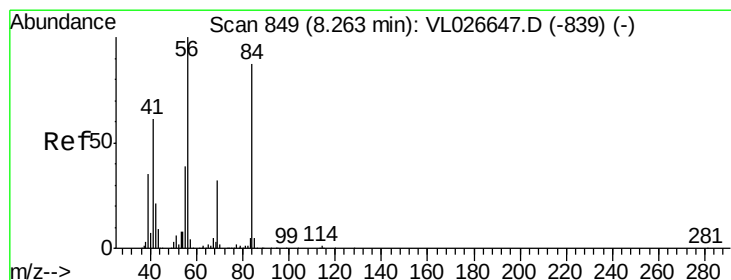
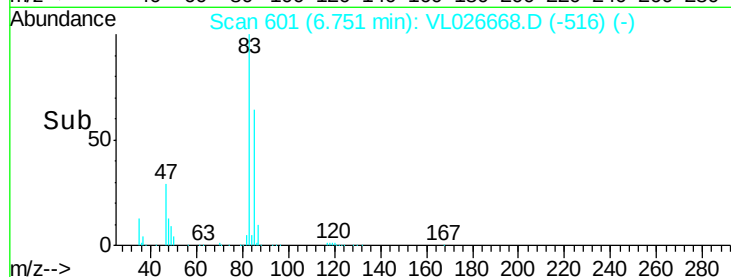
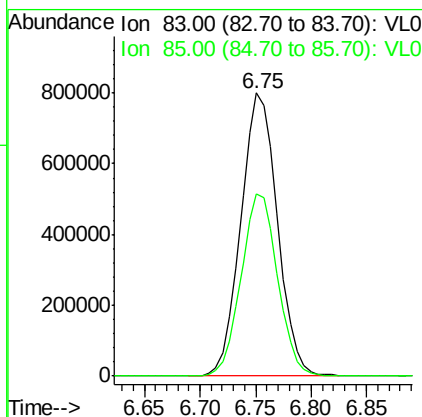
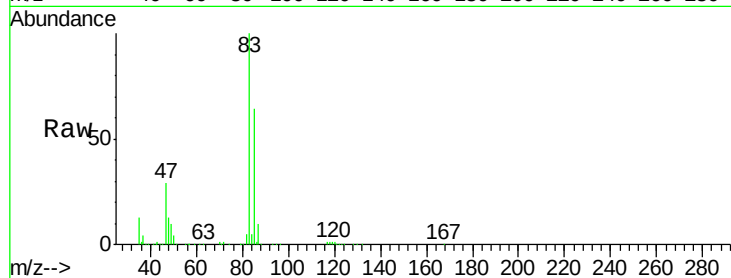
#29
Chloroform
Concen: 10.85 ppbv
RT: 6.75 min Scan# 601
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1829479
Ion Ratio Lower Upper
83 100
85 64.4 51.6 77.4

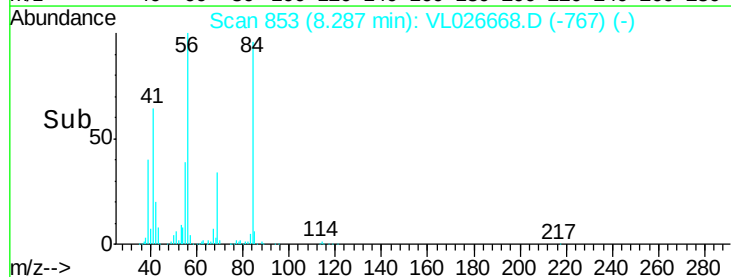
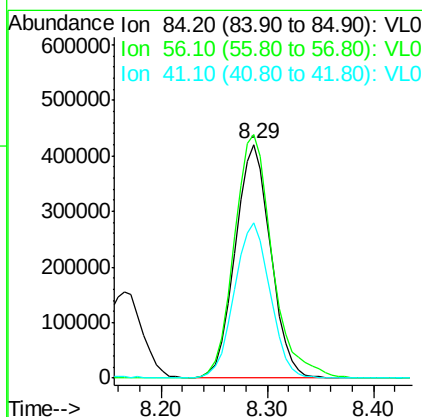
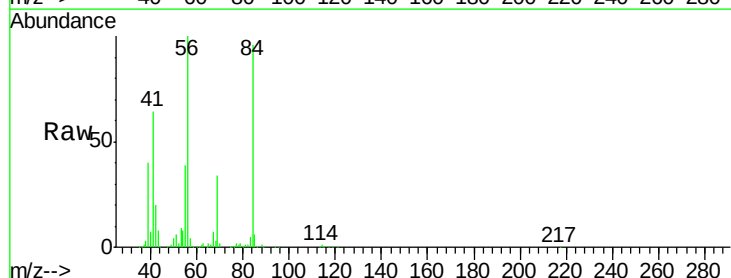
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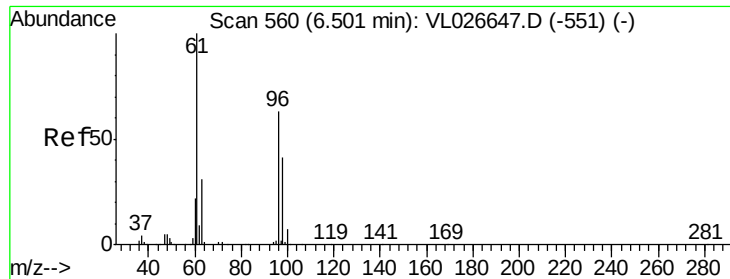
mohammad
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#30
Cyclohexane
Concen: 10.69 ppbv
RT: 8.29 min Scan# 853
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 84 Resp: 980588
Ion Ratio Lower Upper
84 100
56 112.2 95.9 143.9
41 67.6 54.8 82.2





#31

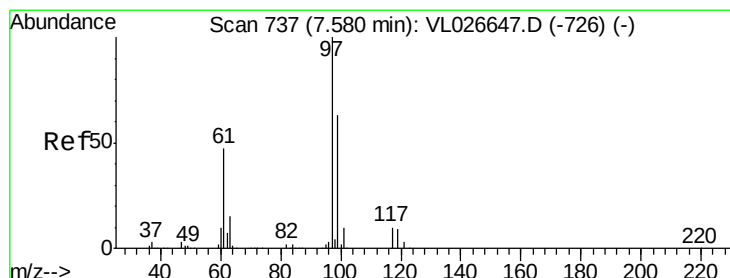
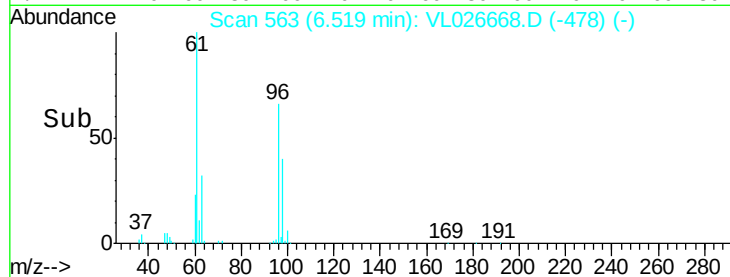
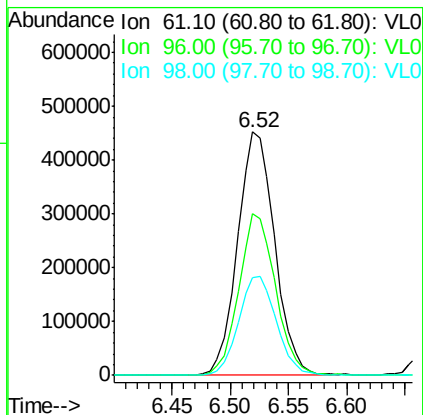
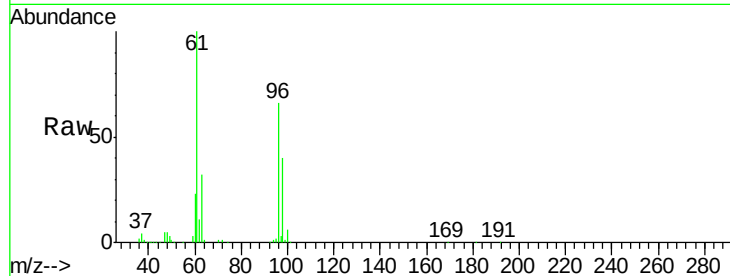
cis-1,2-Dichloroethene
 Concen: 10.74 ppbv
 RT: 6.52 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.4	50.2	75.4
98	40.3	32.4	48.6

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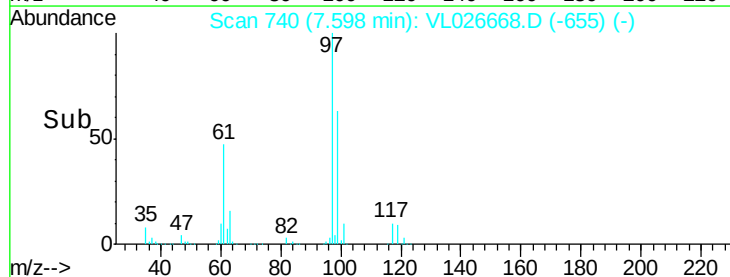
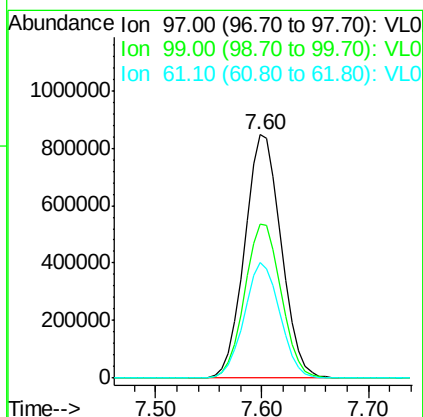
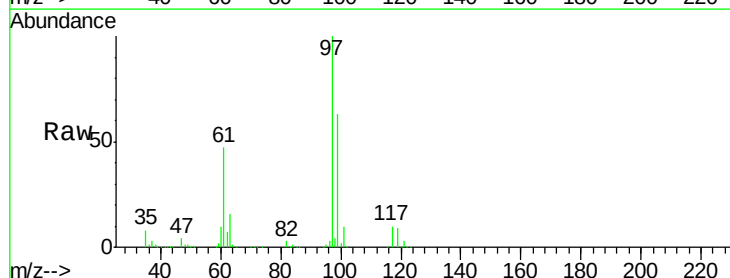
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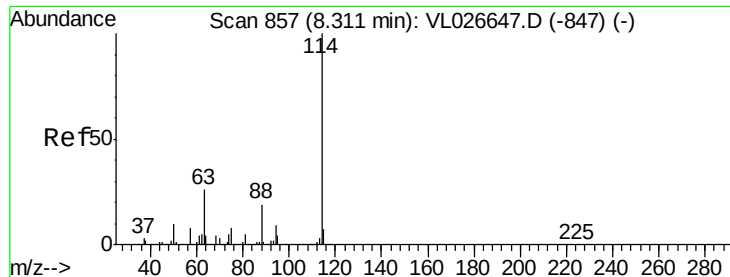


#32

1,1,1-Trichloroethane
 Concen: 10.71 ppbv
 RT: 7.60 min Scan# 740
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	46.9	38.9	58.3





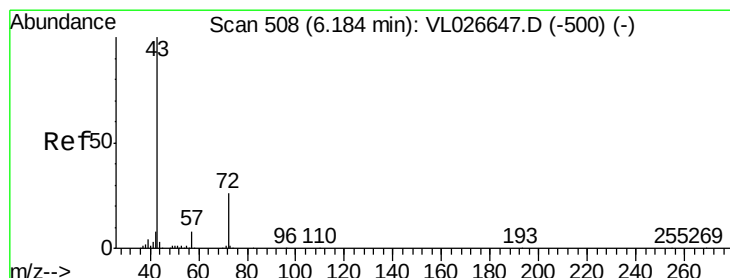
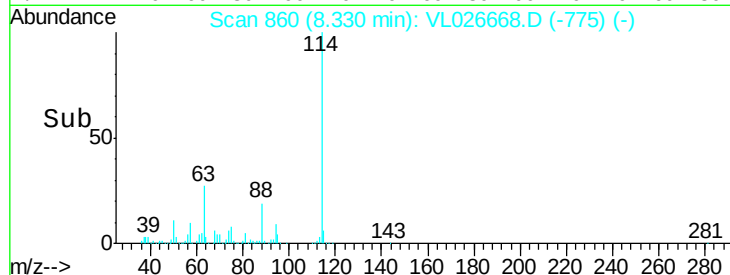
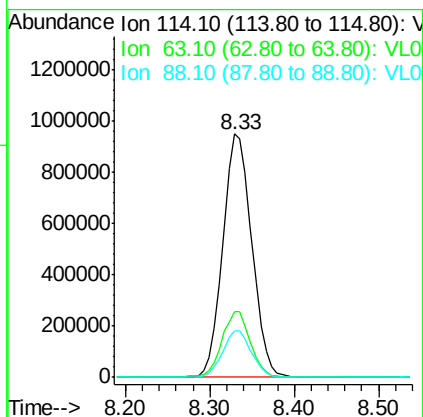
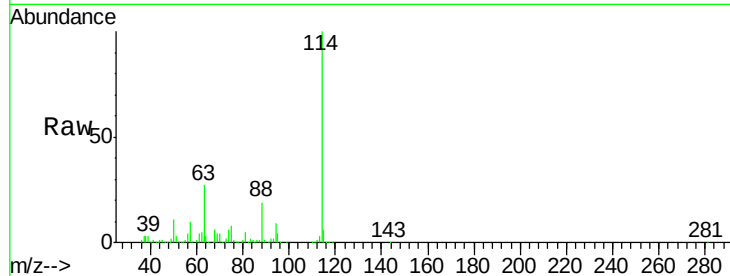
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2237376
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.7 32.5
 88 19.1 15.2 22.8

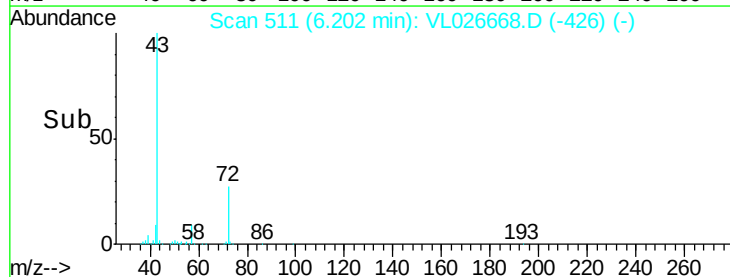
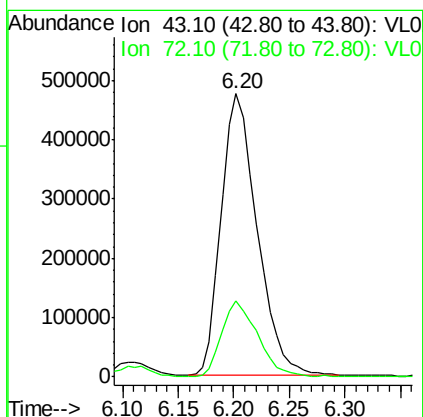
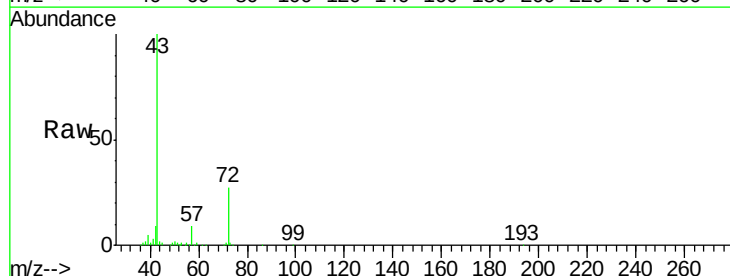
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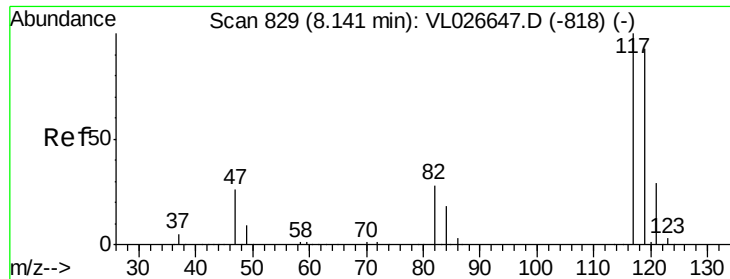
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#34
 2-Butanone
 Concen: 8.94 ppbv
 RT: 6.20 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion: 43 Resp: 1065934
 Ion Ratio Lower Upper
 43 100
 72 27.5 20.9 31.3





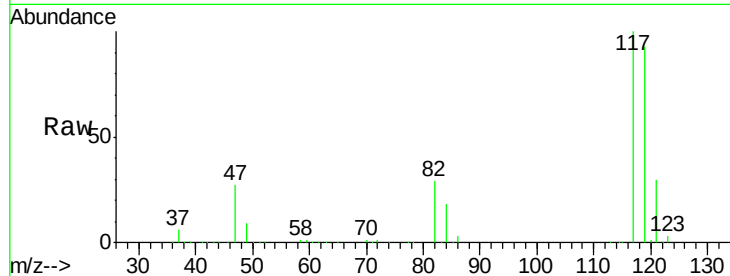
#35
Carbon Tetrachloride
Concen: 10.49 ppbv
RT: 8.17 min Scan# 833
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

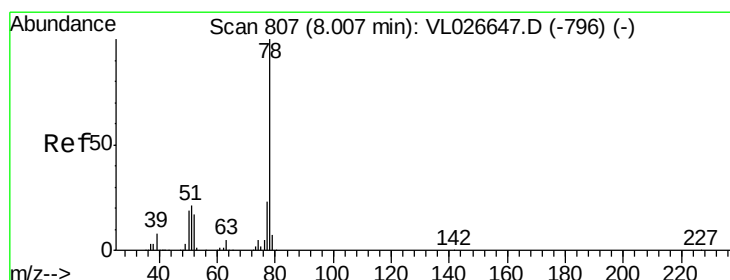
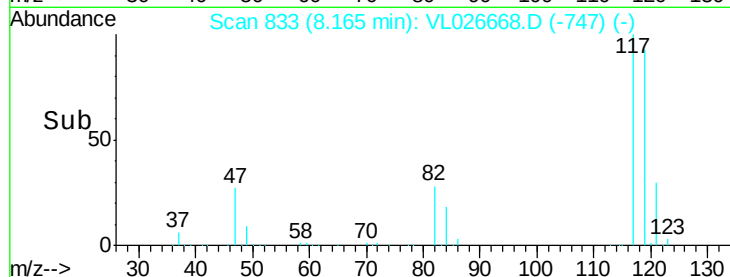
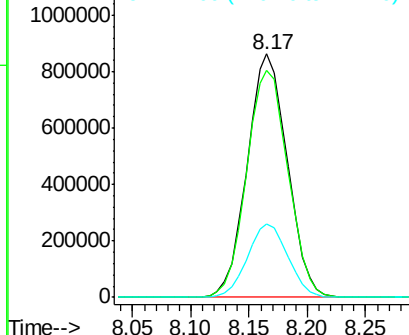
Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	30.3	23.1	34.7

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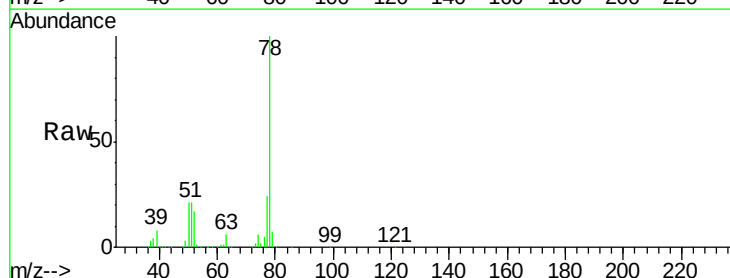


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

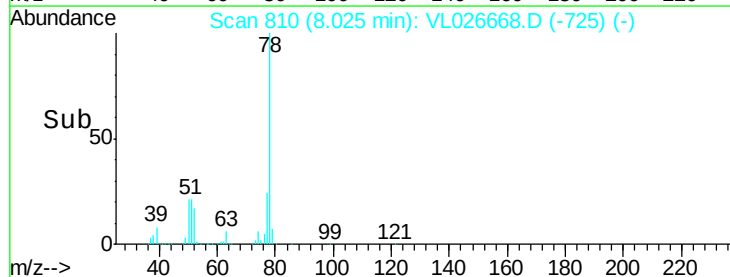
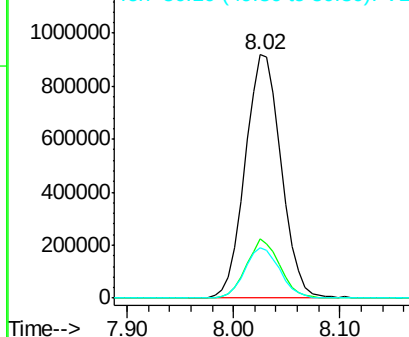


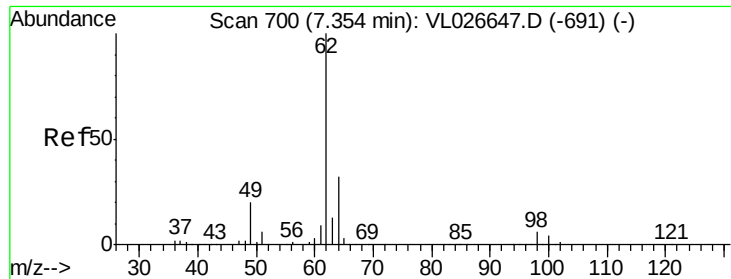
#36
Benzene
Concen: 9.47 ppbv
RT: 8.02 min Scan# 810
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7
50	20.5	15.4	23.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





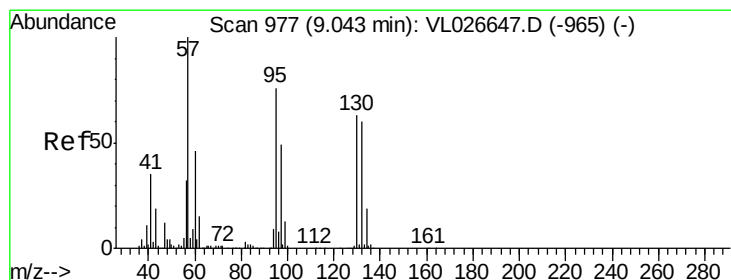
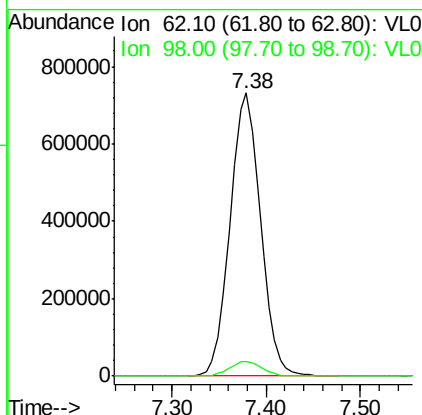
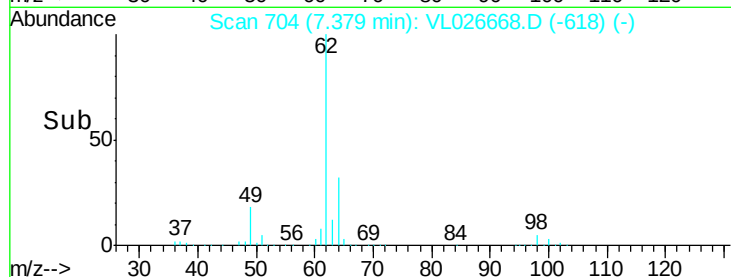
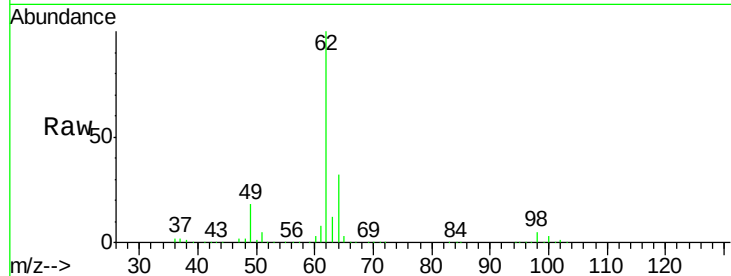
#37
 1,2-Dichloroethane
 Concen: 10.48 ppbv
 RT: 7.38 min Scan# 704
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1650241
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2

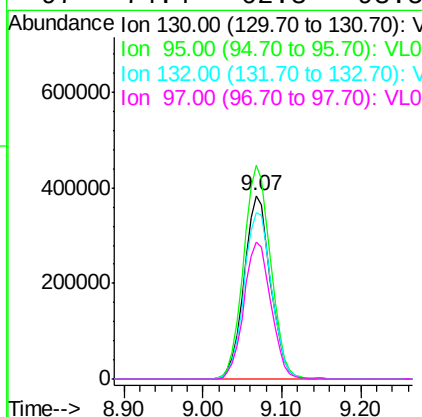
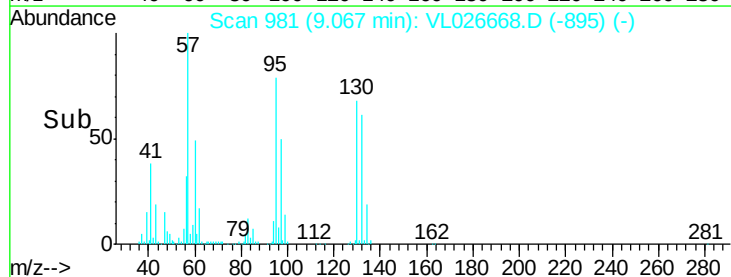
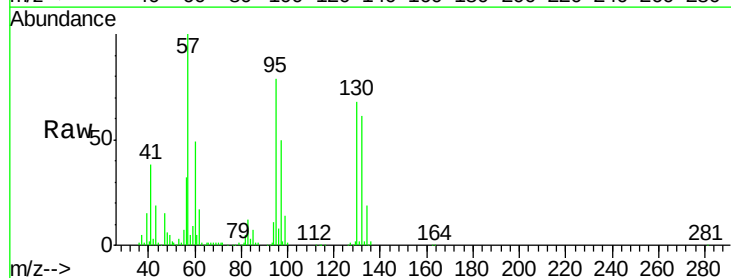
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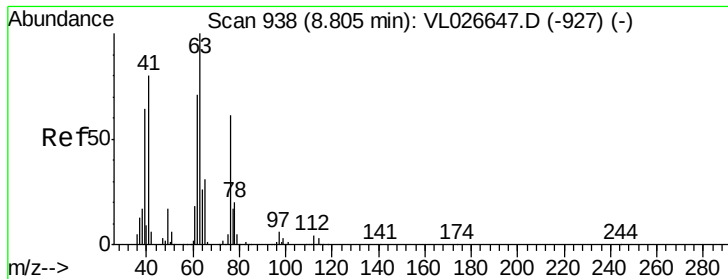
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#38
 Trichloroethene
 Concen: 8.75 ppbv
 RT: 9.07 min Scan# 981
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion: 130 Resp: 899516
 Ion Ratio Lower Upper
 130 100
 95 116.4 96.6 145.0
 132 90.3 76.2 114.4
 97 74.4 62.3 93.5





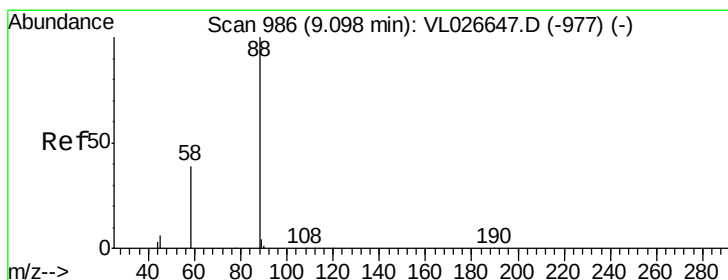
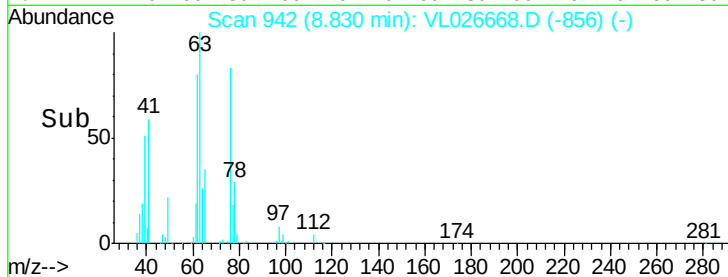
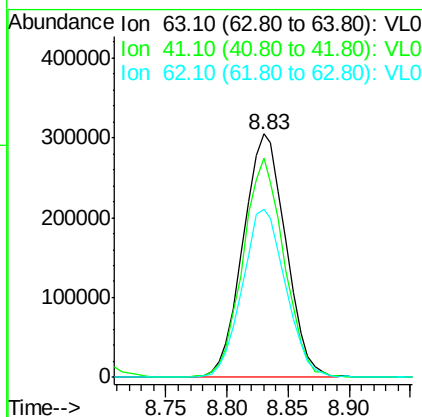
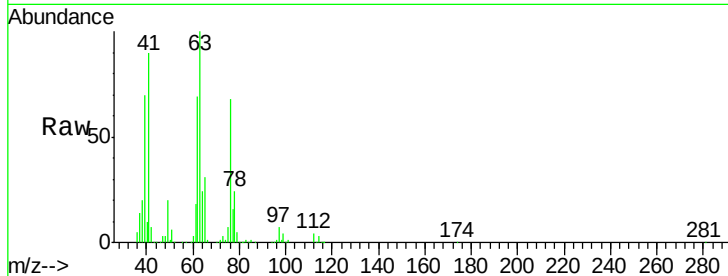
#39
 1,2-Dichloropropane
 Concen: 9.31 ppbv
 RT: 8.83 min Scan# 942
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	89.8	64.1	96.1
62	69.2	56.6	84.8

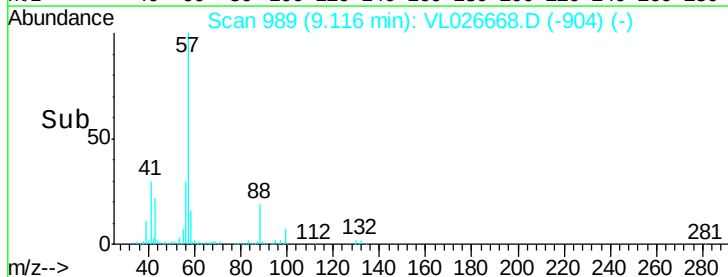
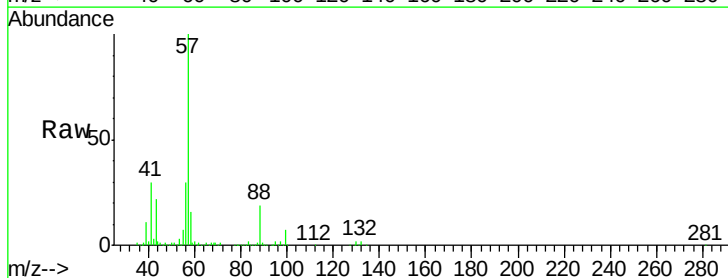
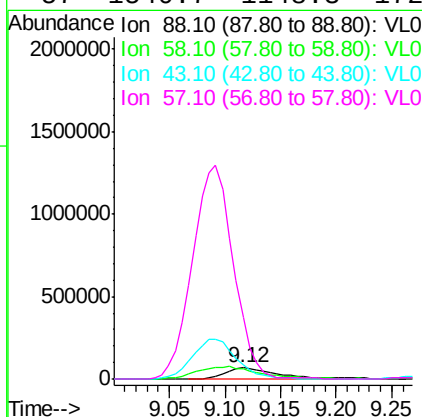
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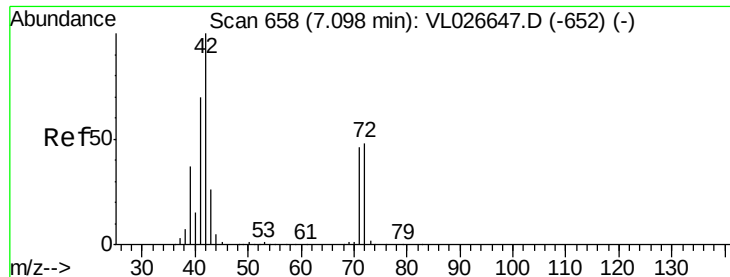
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#40
 1,4-Dioxane
 Concen: 11.85 ppbv
 RT: 9.12 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.8	109.4	164.2
43	314.7	238.2	357.2
57	1540.7	1148.3	1722.5





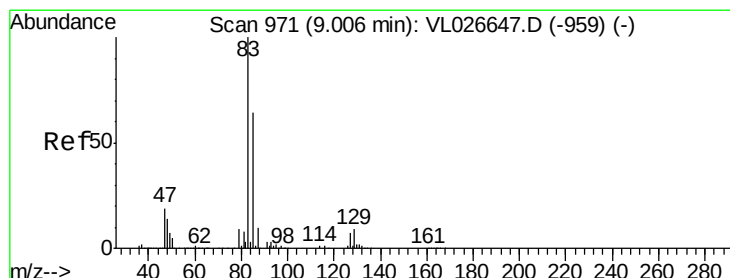
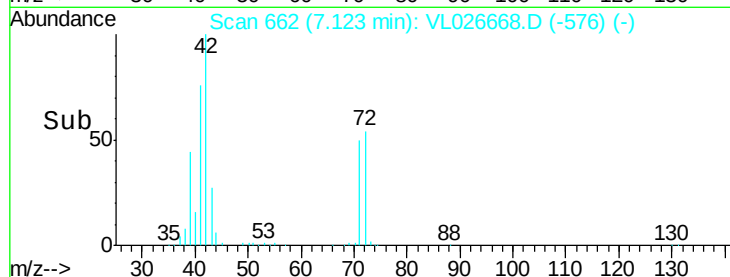
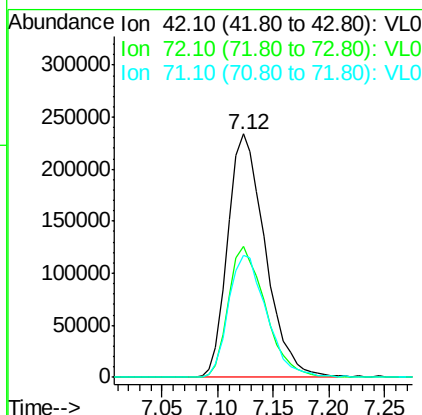
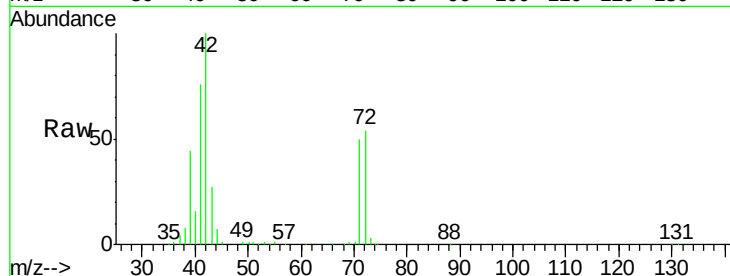
#41
Tetrahydrofuran
Concen: 9.25 ppbv
RT: 7.12 min Scan# 662
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	40.6	60.8
71	51.2	38.4	57.6

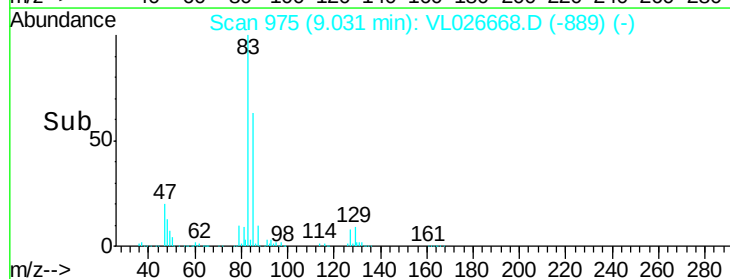
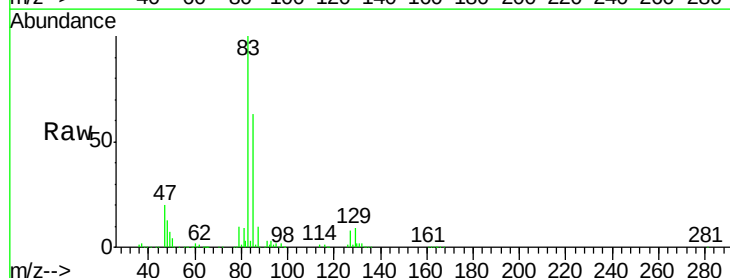
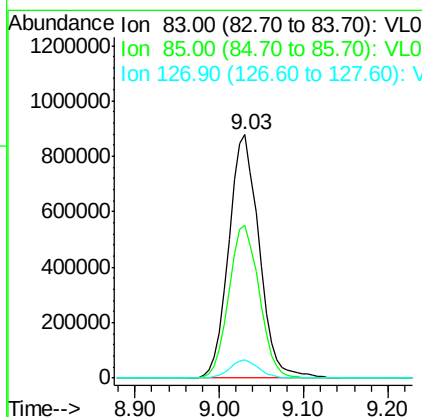
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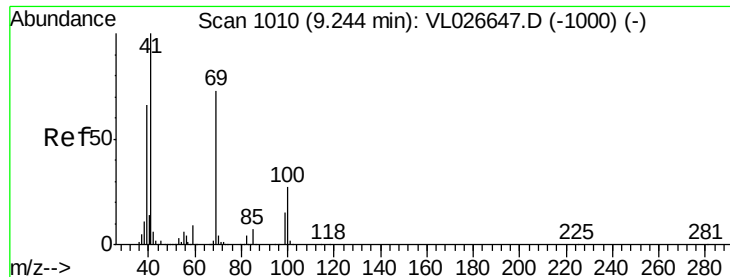
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#42
Bromodichloromethane
Concen: 10.58 ppbv
RT: 9.03 min Scan# 975
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	7.6	5.5	8.3





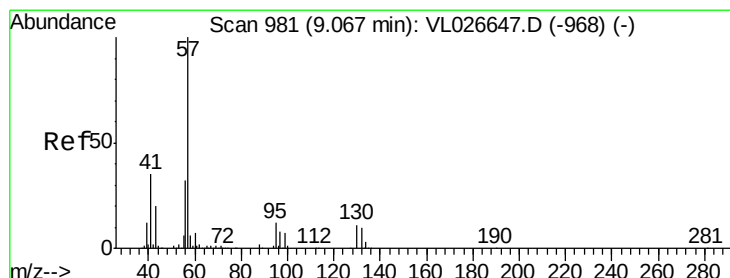
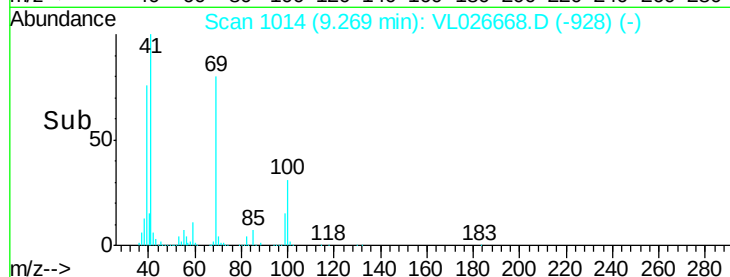
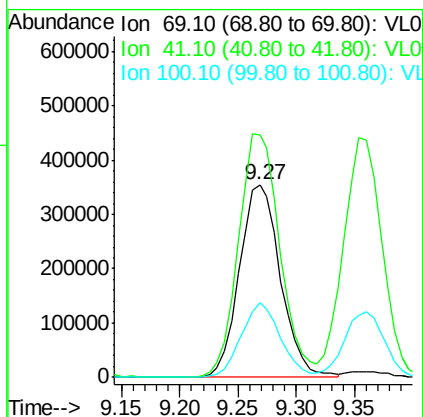
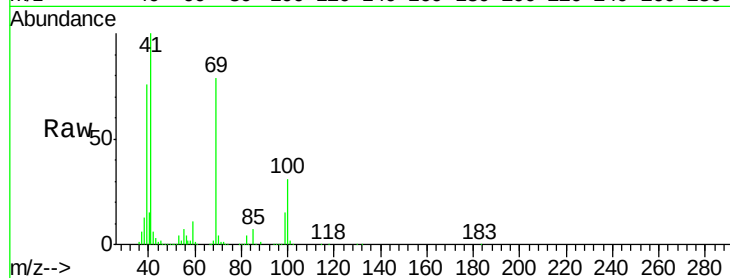
#43
Methyl Methacrylate
Concen: 10.39 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	126.6	106.1	159.1
100	36.8	29.0	43.4

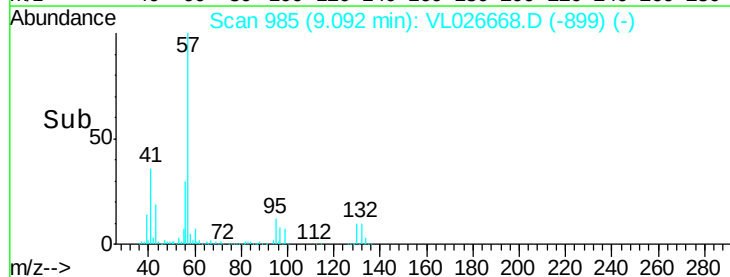
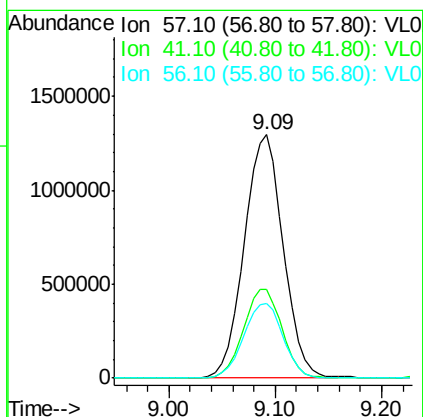
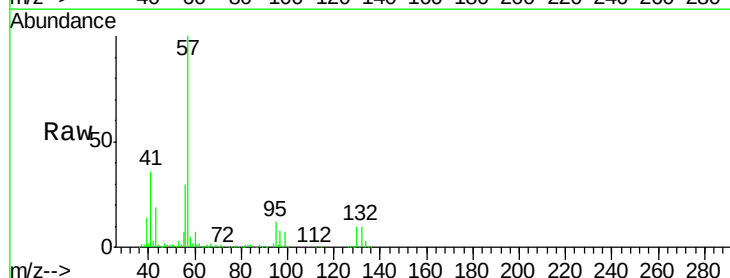
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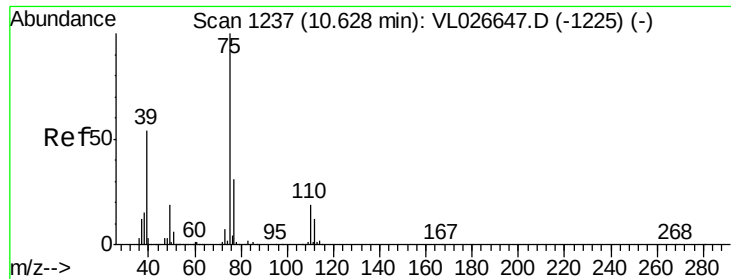
mohammad
1/13/2016 2:36:23 PM



#44
2,2,4-Trimethylpentane
Concen: 8.94 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.0	26.9	40.3
56	31.2	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 11.70 ppbv

RT: 10.65 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1592735

Ion Ratio Lower Upper

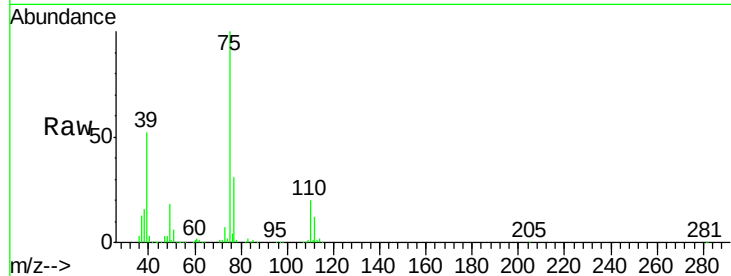
75 100

77 30.7 24.6 37.0

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.65

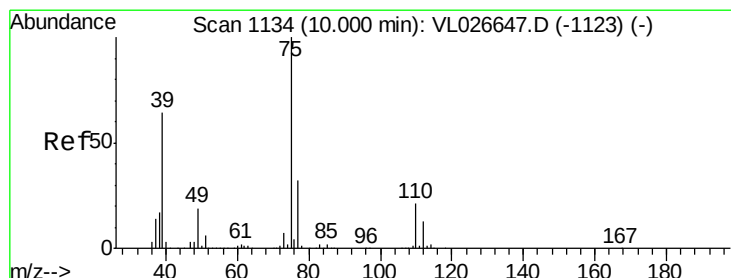
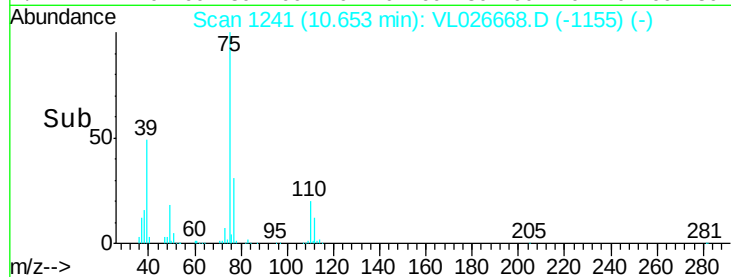
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.03 ppbv

RT: 10.02 min Scan# 1138

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

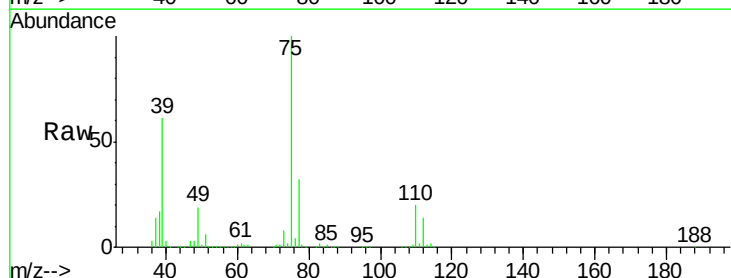
Tgt Ion: 75 Resp: 1708557

Ion Ratio Lower Upper

75 100

39 61.1 51.2 76.8

77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

10.02

800000

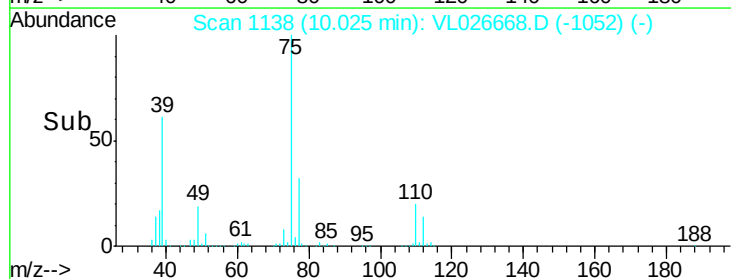
600000

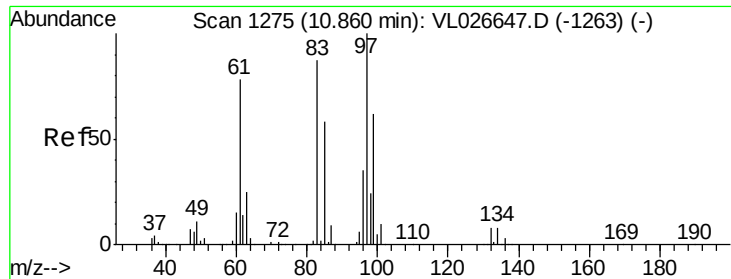
400000

200000

0

Time-->





#47
 1,1,2-Trichloroethane
 Concen: 9.83 ppbv
 RT: 10.88 min Scan# 1279
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

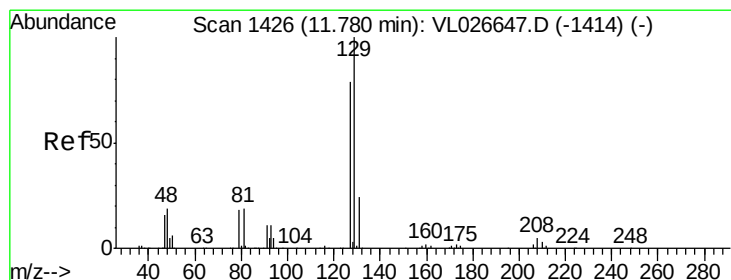
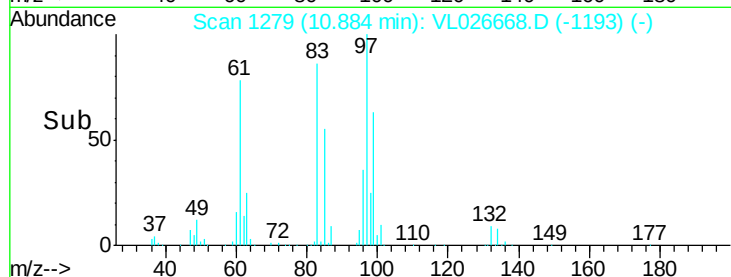
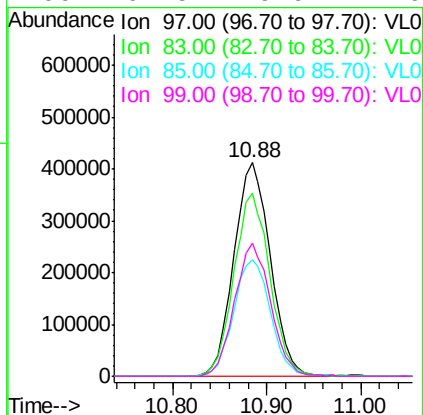
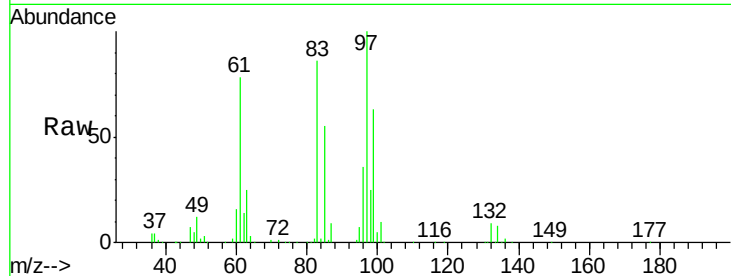
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1115490

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.5	104.3
85	54.7	46.4	69.6
99	62.5	49.9	74.9

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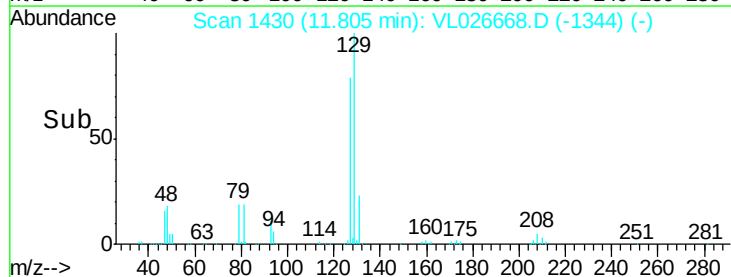
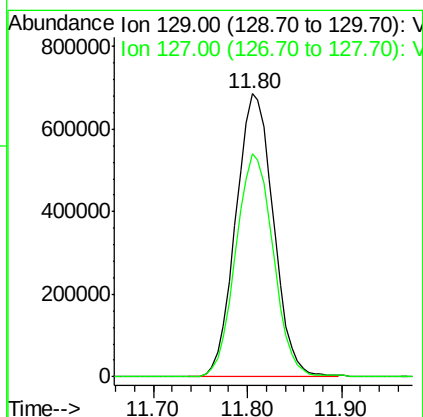
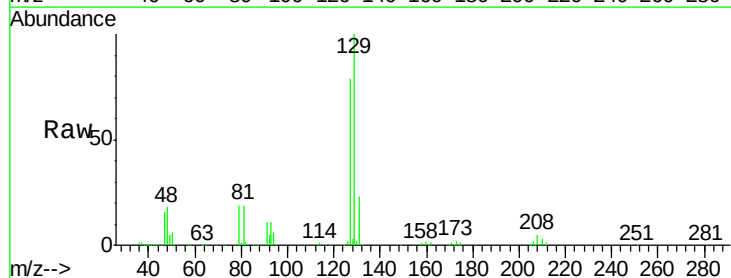
mohammad
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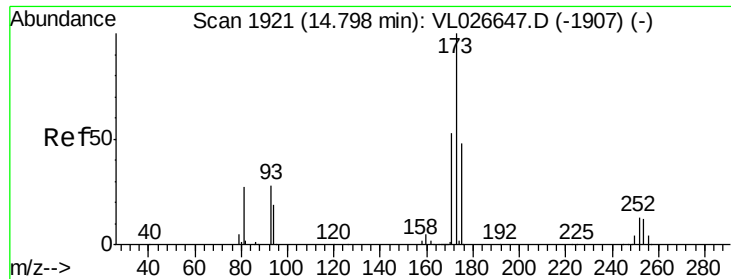


#48
 Dibromochloromethane
 Concen: 11.19 ppbv
 RT: 11.80 min Scan# 1430
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion: 129 Resp: 1904940

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.5	118.5





#49

Bromoform

Concen: 11.48 ppbv

RT: 14.82 min Scan# 1925

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1594650

Ion Ratio Lower Upper

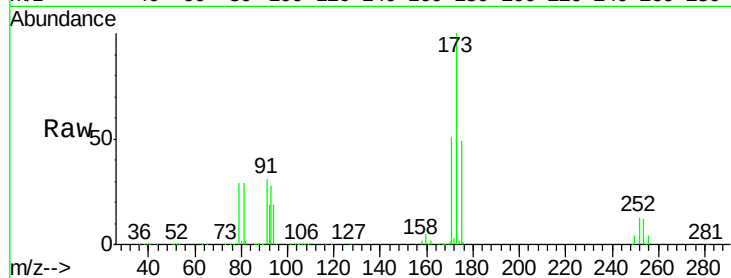
173 100

175 48.6 38.6 58.0

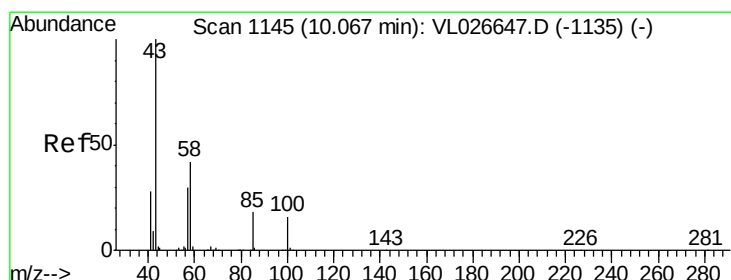
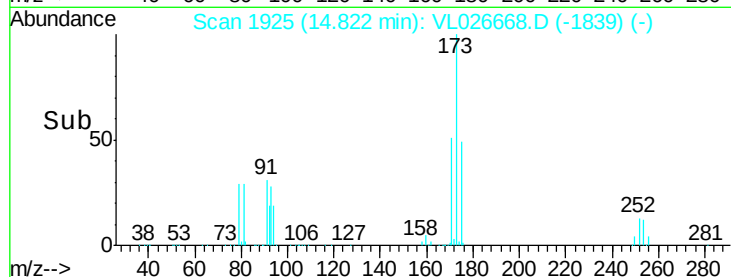
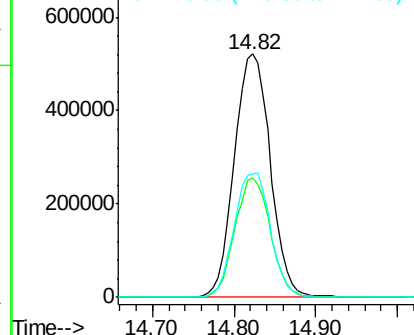
171 51.9 41.5 62.3

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



#50

4-Methyl-2-Pentanone

Concen: 9.67 ppbv

RT: 10.09 min Scan# 1149

Delta R.T. 0.02 min

Lab File: VL026668.D

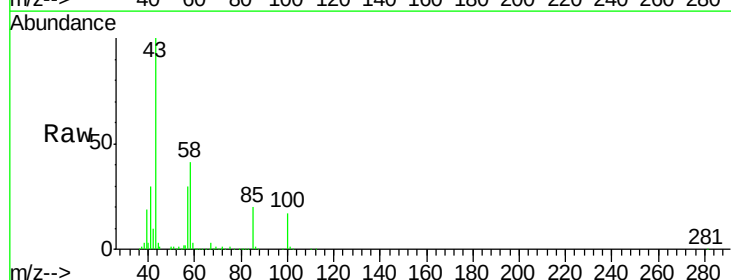
Acq: 12 Jan 2016 9:09

Tgt Ion: 43 Resp: 1621980

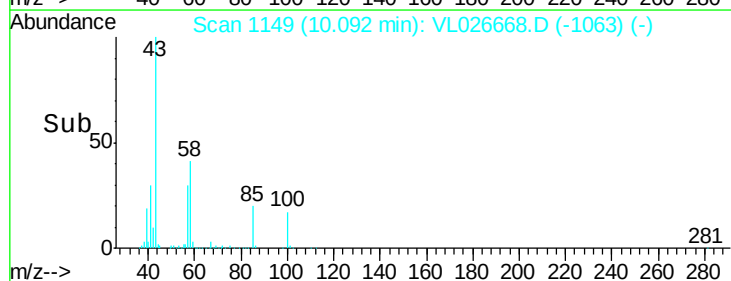
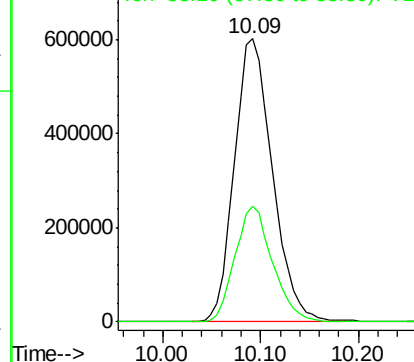
Ion Ratio Lower Upper

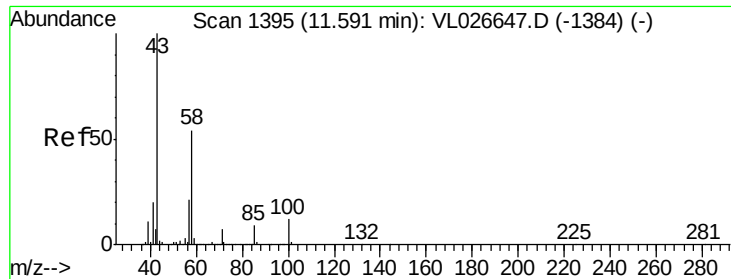
43 100

58 40.8 32.4 48.6



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





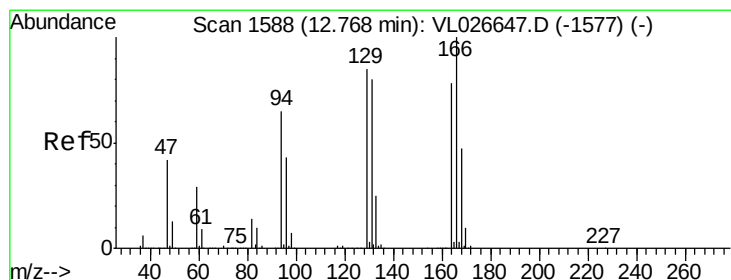
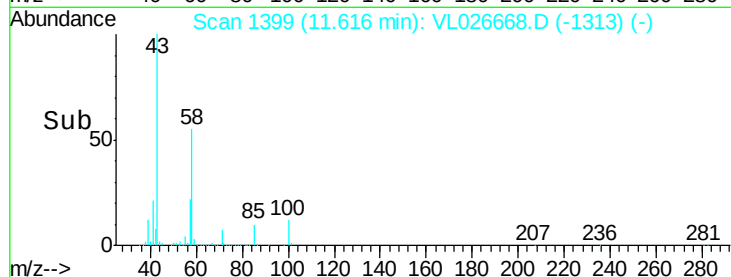
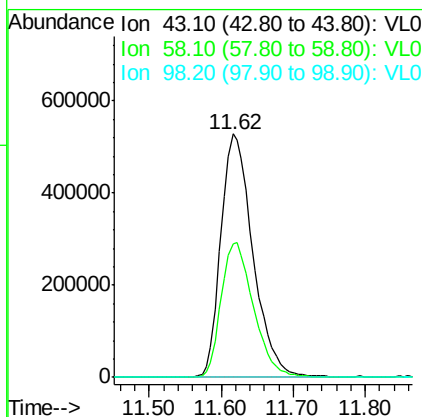
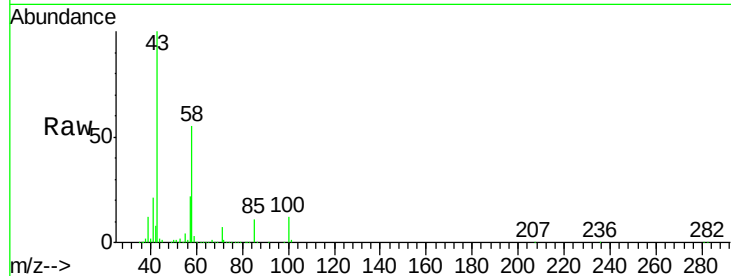
#51
2-Hexanone
Concen: 10.61 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1638331
Ion Ratio Lower Upper
43 100
58 56.2 44.9 67.3
98 0.4 0.2 0.2#

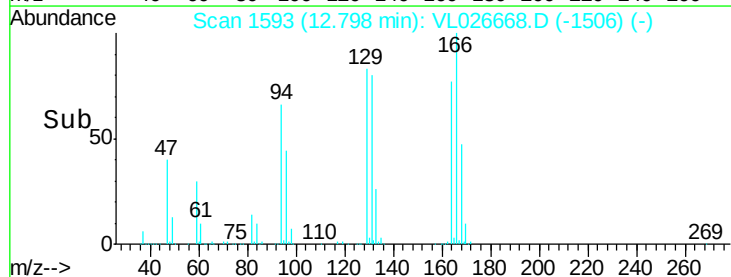
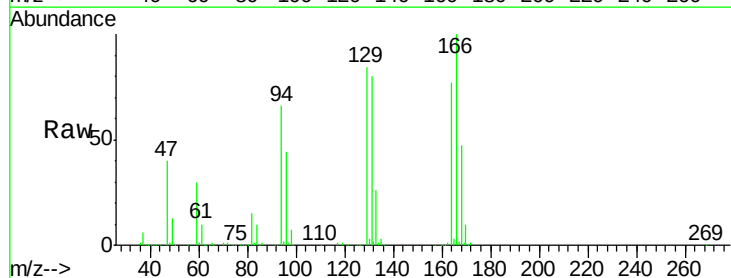
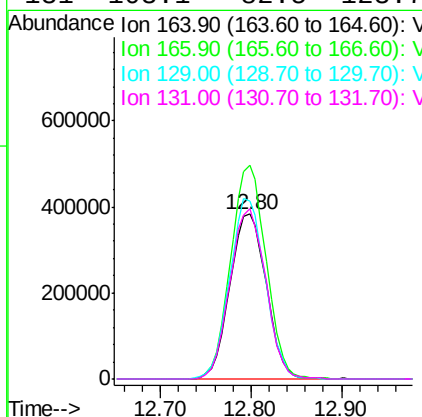
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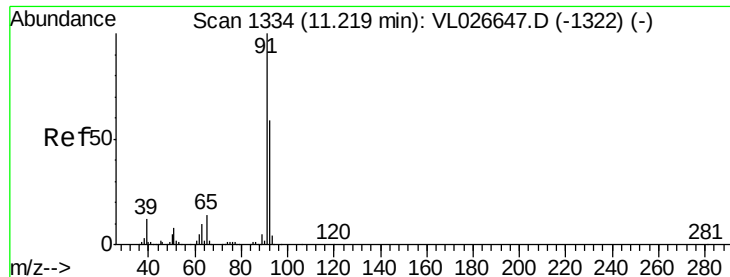
mohammad
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#52
Tetrachloroethene
Concen: 9.28 ppbv
RT: 12.80 min Scan# 1593
Delta R.T. 0.03 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 164 Resp: 1068611
Ion Ratio Lower Upper
164 100
166 129.4 102.5 153.7
129 108.0 87.0 130.6
131 103.1 82.5 123.7





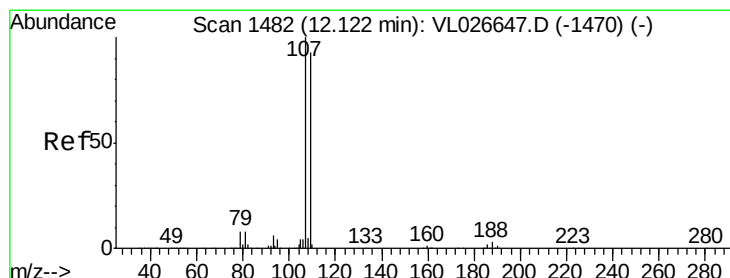
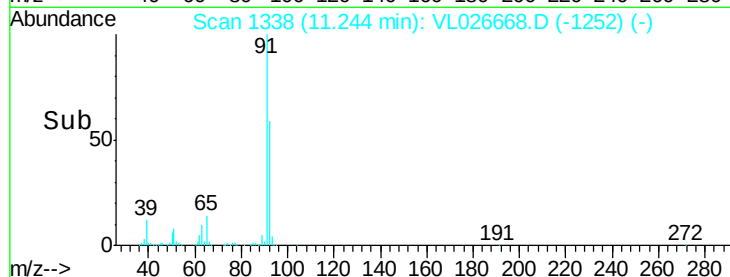
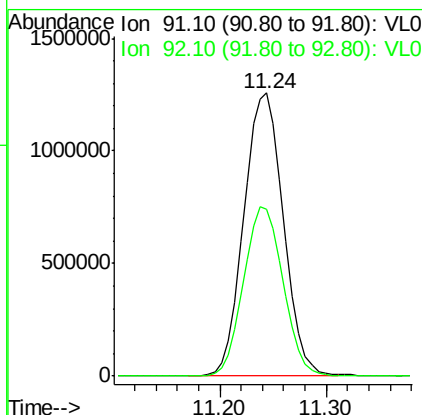
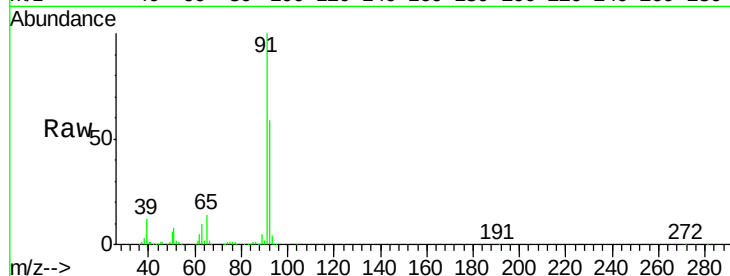
#53
Toluene
Concen: 10.10 ppbv
RT: 11.24 min Scan# 1338
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3279416
Ion Ratio Lower Upper
91 100
92 60.1 48.2 72.4

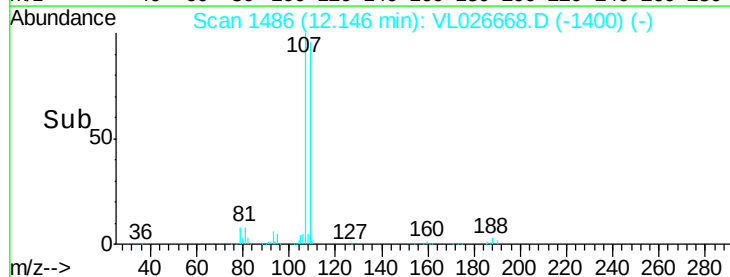
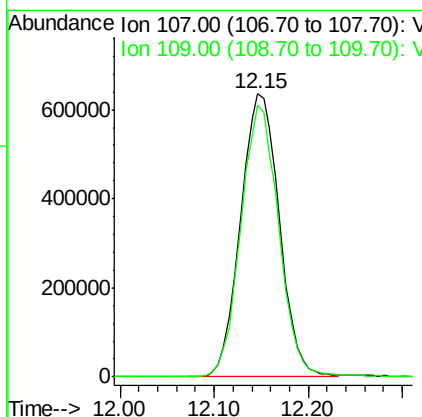
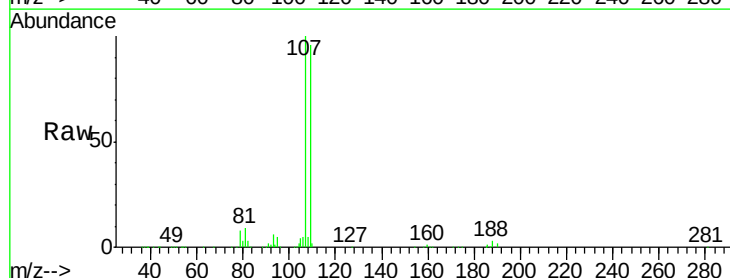
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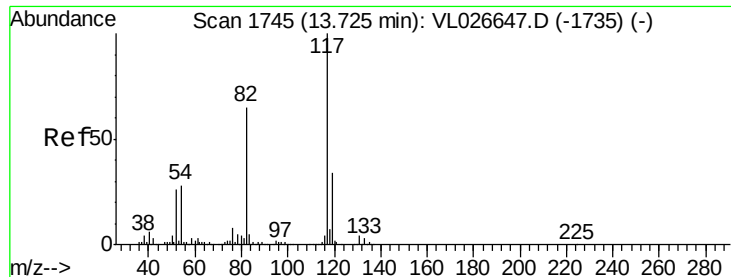
mohammad
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#54
1,2-Dibromoethane
Concen: 10.14 ppbv
RT: 12.15 min Scan# 1486
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 107 Resp: 1820884
Ion Ratio Lower Upper
107 100
109 95.9 74.1 111.1





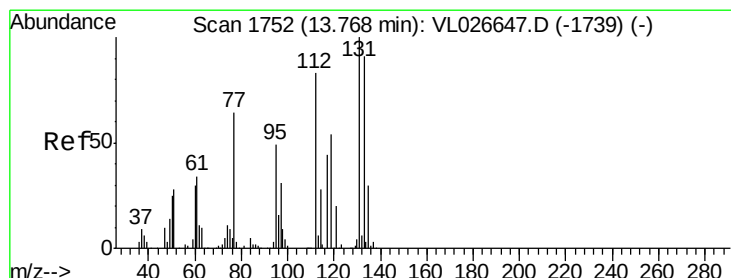
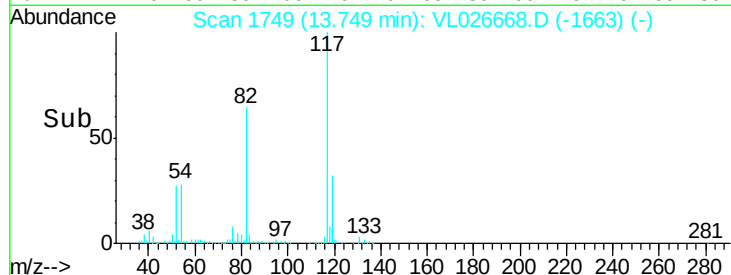
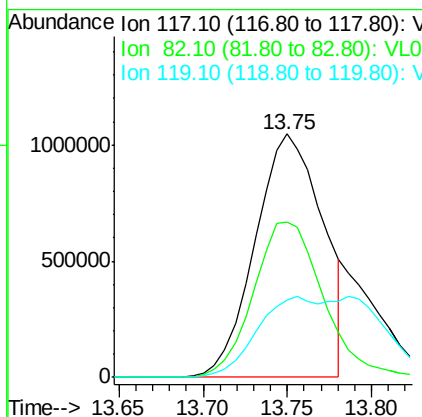
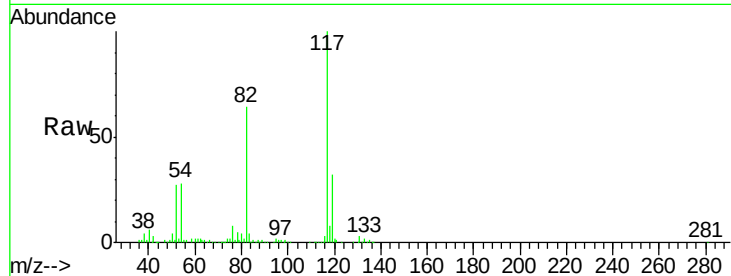
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.75 min Scan# 1749
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2924369
Ion Ratio Lower Upper
117 100
82 66.6 49.7 74.5
119 60.1 43.8 65.8

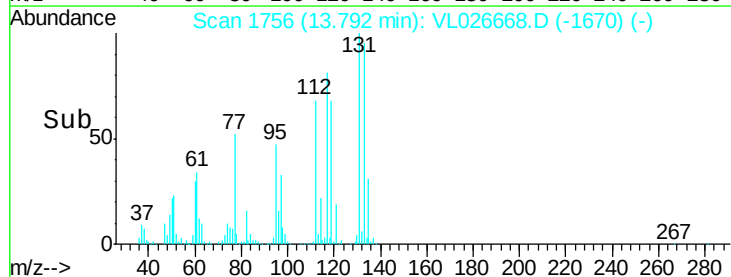
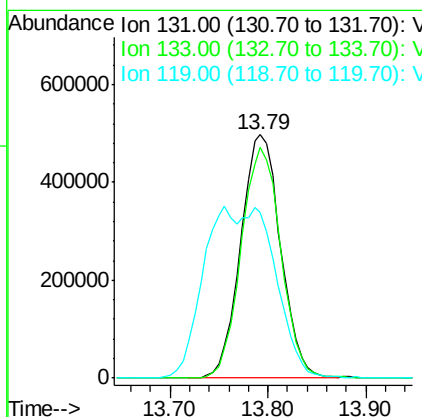
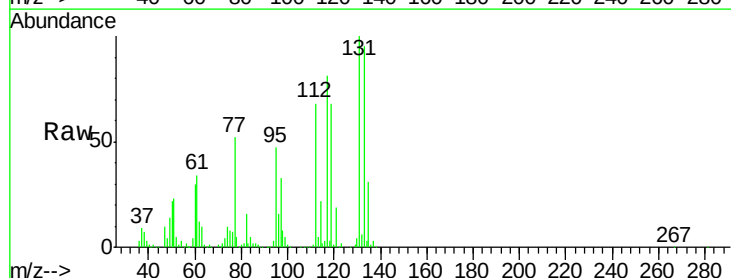
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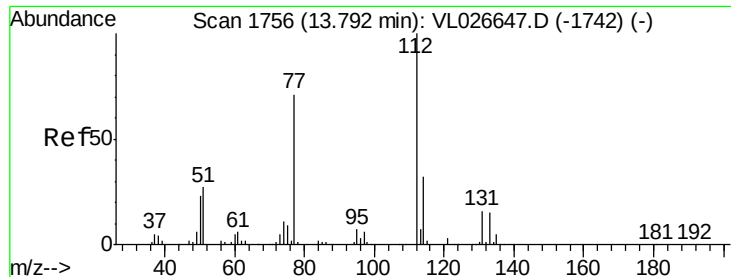
mohammad
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.46 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion:131 Resp: 1408172
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.4
119 124.8 104.3 156.5





#57

Chlorobenzene

Concen: 9.52 ppbv

RT: 13.82 min Scan# 1760

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2867029

Ion Ratio Lower Upper

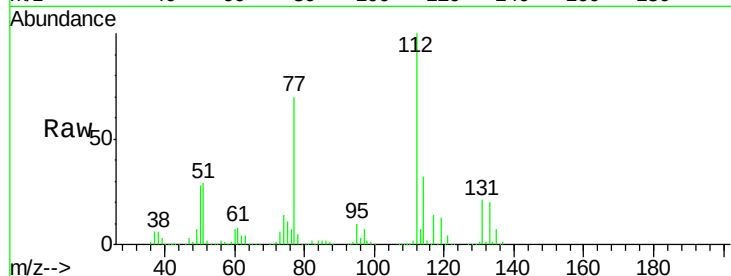
112 100

77 70.0 56.9 85.3

114 32.3 28.8 35.2

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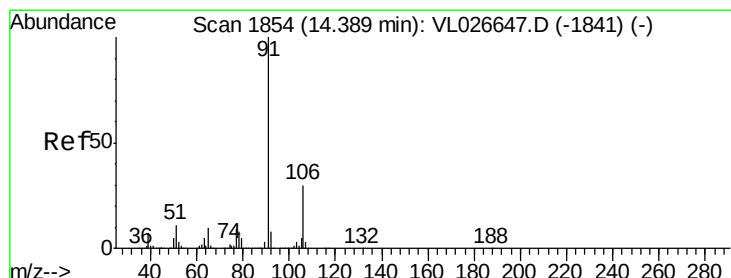
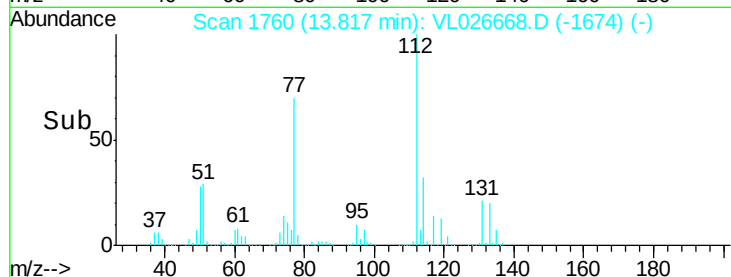
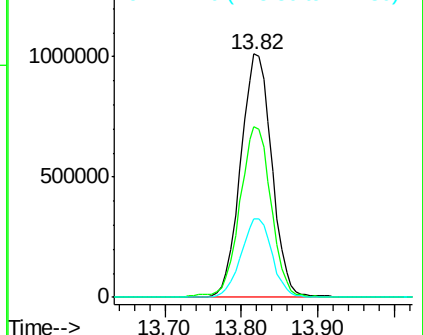
mohammad
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.49 ppbv

RT: 14.42 min Scan# 1859

Delta R.T. 0.03 min

Lab File: VL026668.D

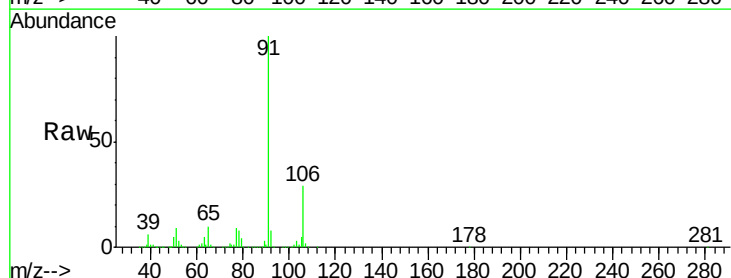
Acq: 12 Jan 2016 9:09

Tgt Ion: 91 Resp: 5480785

Ion Ratio Lower Upper

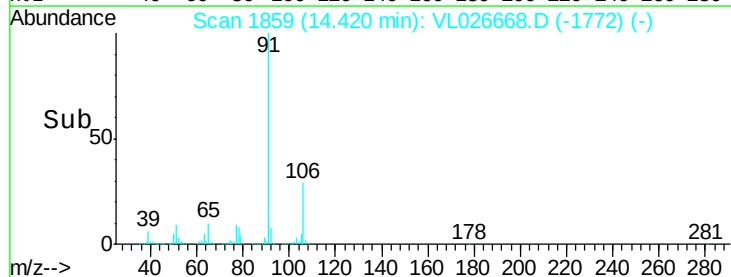
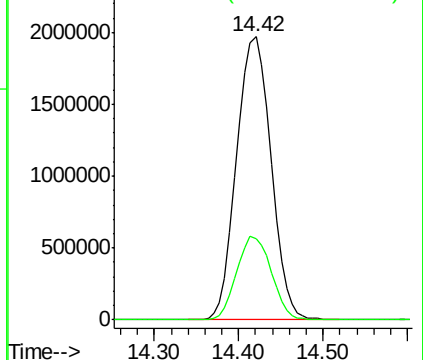
91 100

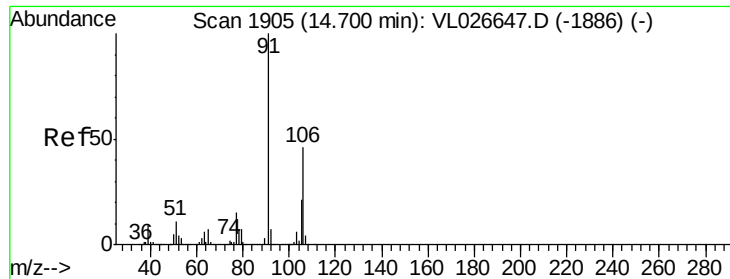
106 28.8 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





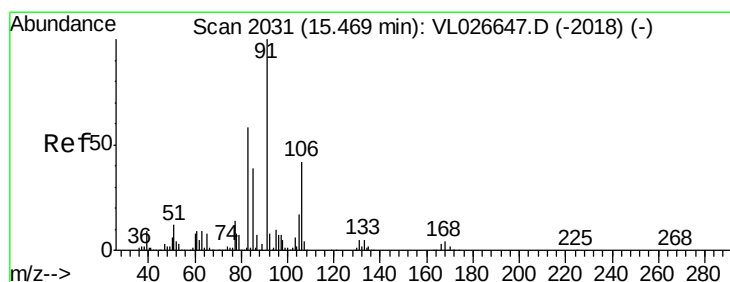
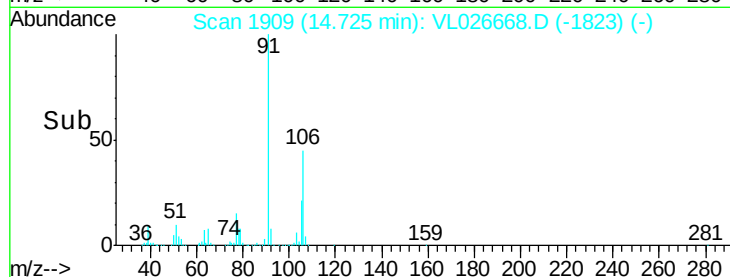
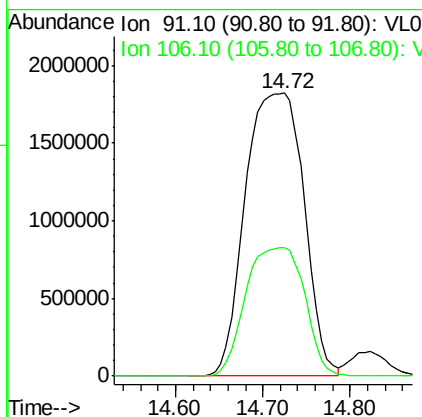
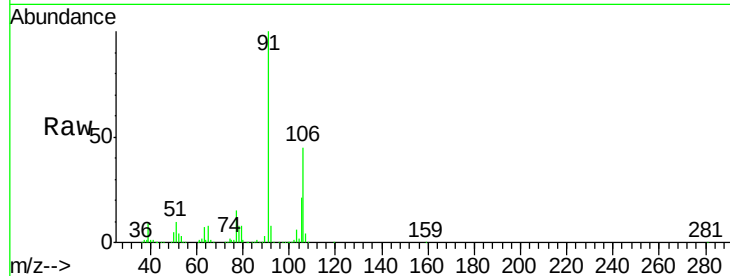
#59
m/p-Xylene
Concen: 19.71 ppbv
RT: 14.72 min Scan# 1909
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8486335
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

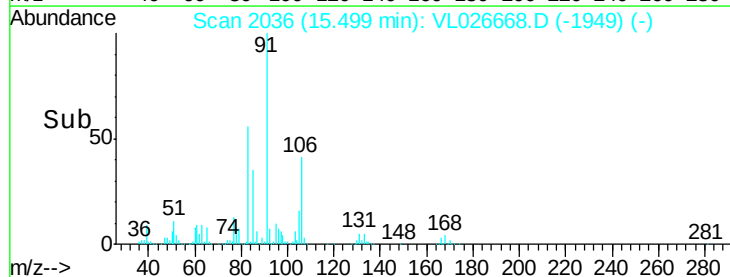
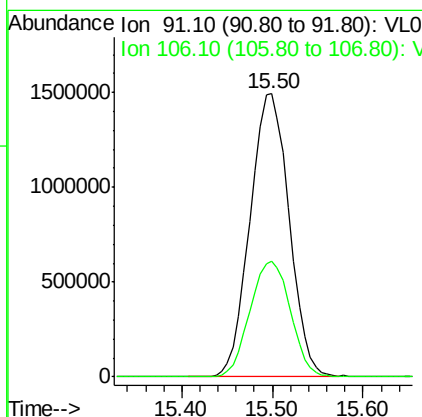
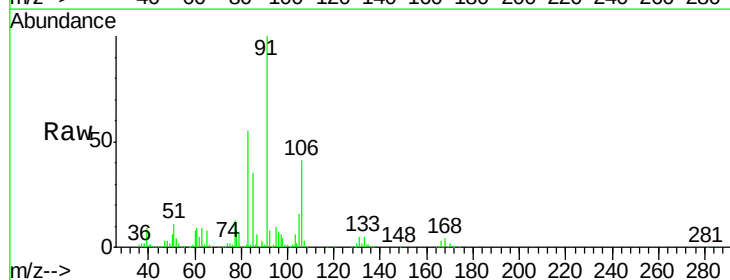
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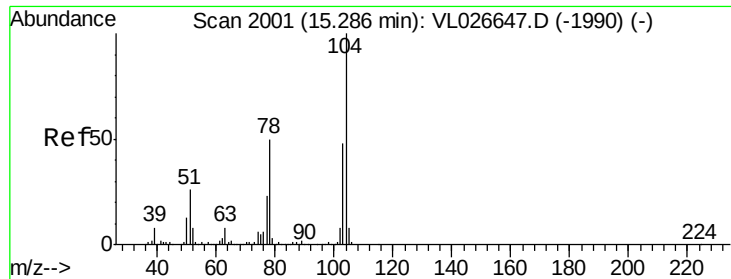
mohammad
1/13/2016 2:36:23 PM



#60
o-Xylene
Concen: 9.56 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. 0.03 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 91 Resp: 4445382
Ion Ratio Lower Upper
91 100
106 42.6 21.5 64.5





#61

Stvrene

Concen: 11.49 ppbv

RT: 15.32 min Scan# 2006

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2089370

Ion Ratio Lower Upper

104 100

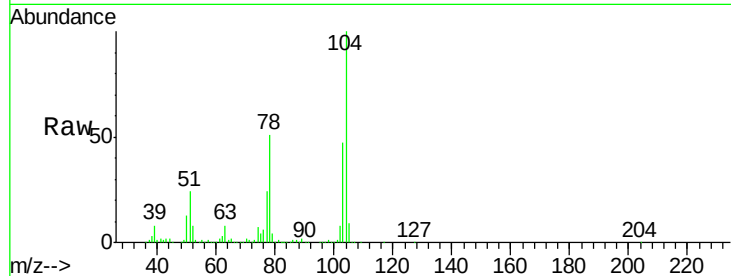
78 48.9 39.6 59.4

103 46.5 37.8 56.6

Manual Integrations
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mohammad

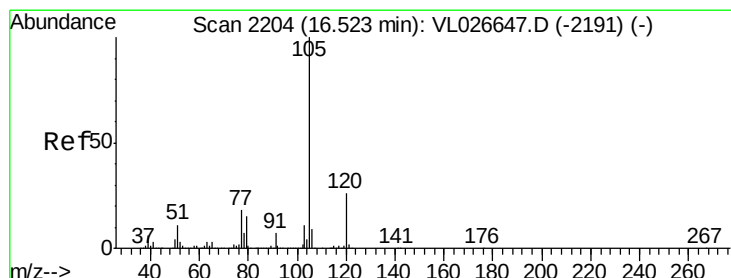
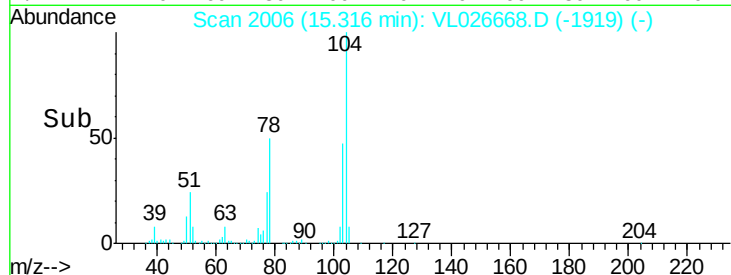
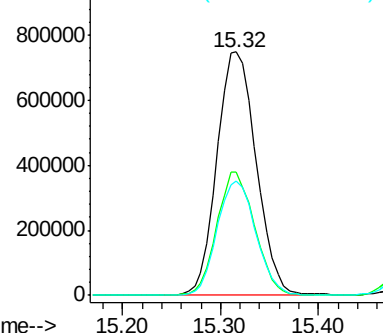
1/13/2016 2:36:23 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.05 ppbv

RT: 16.55 min Scan# 2208

Delta R.T. 0.02 min

Lab File: VL026668.D

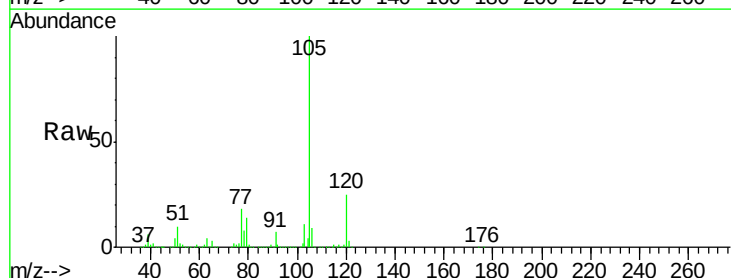
Acq: 12 Jan 2016 9:09

Tgt Ion:105 Resp: 6188001

Ion Ratio Lower Upper

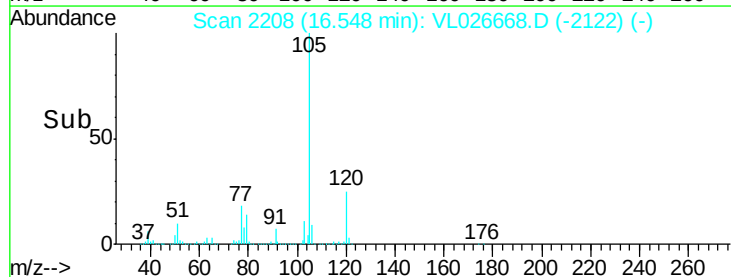
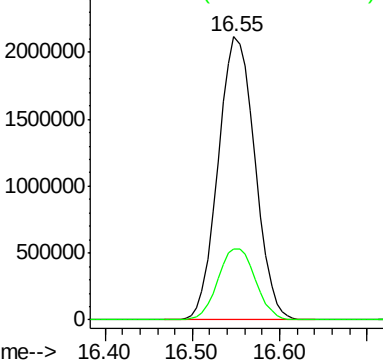
105 100

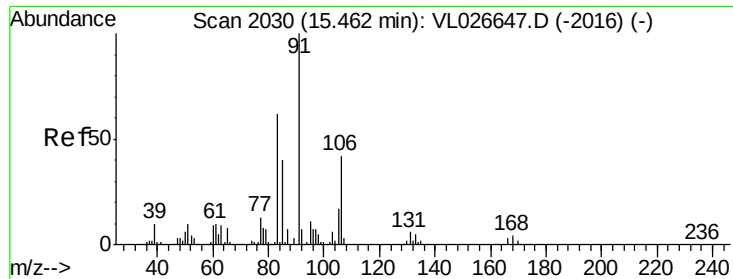
120 25.8 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





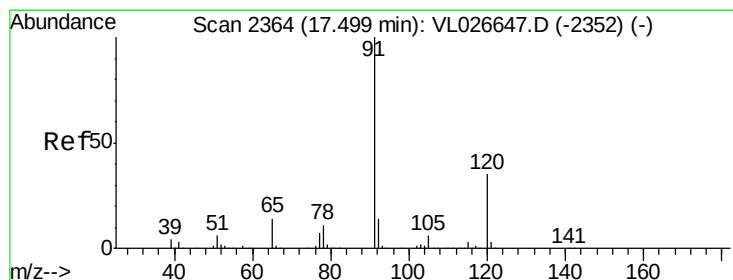
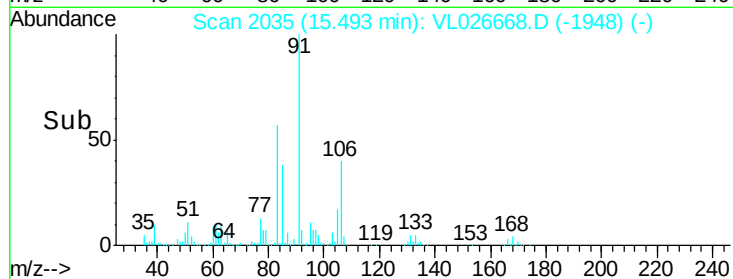
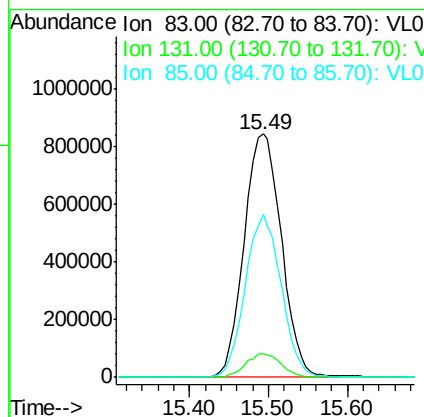
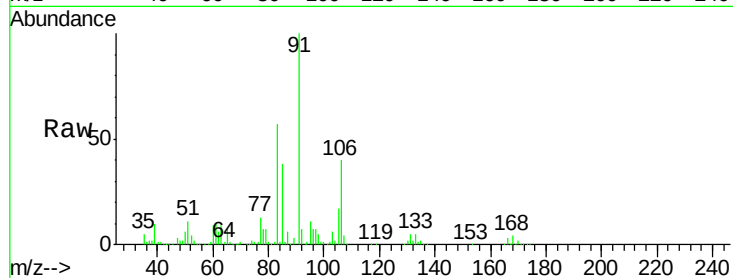
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.02 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. 0.03 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 2782510
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.4
 85 64.9 32.6 97.7

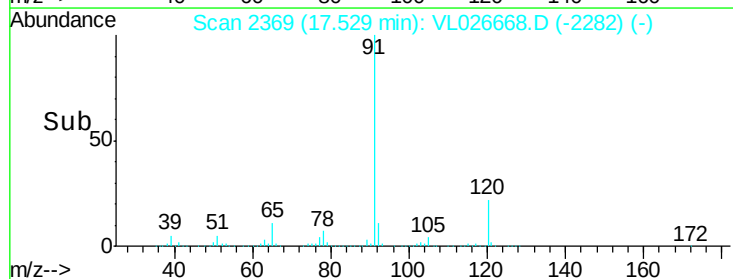
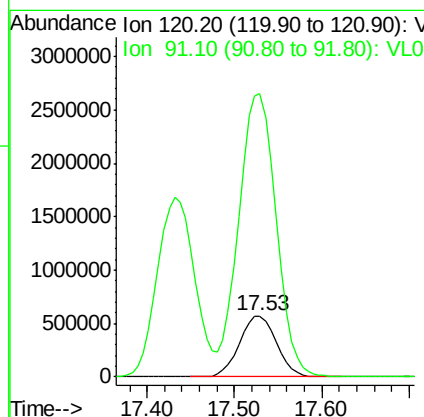
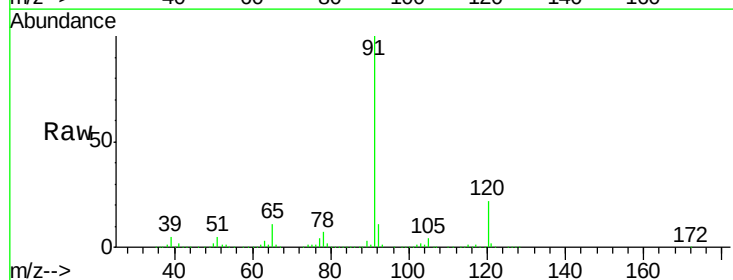
Manual Integrations
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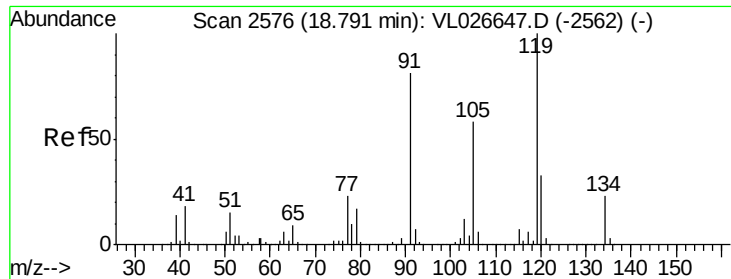
mohammad
 1/13/2016 2:36:23 PM



#64
 n-propylbenzene
 Concen: 10.18 ppbv
 RT: 17.53 min Scan# 2369
 Delta R.T. 0.03 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion:120 Resp: 1680945
 Ion Ratio Lower Upper
 120 100
 91 460.5 375.8 563.6





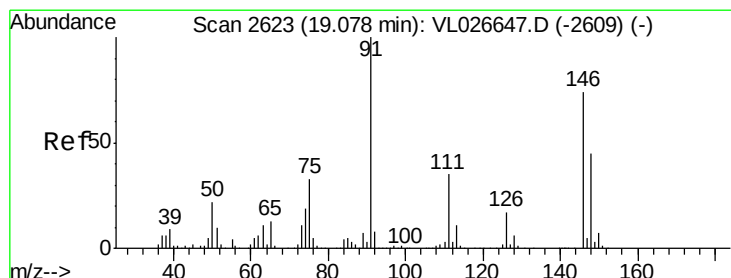
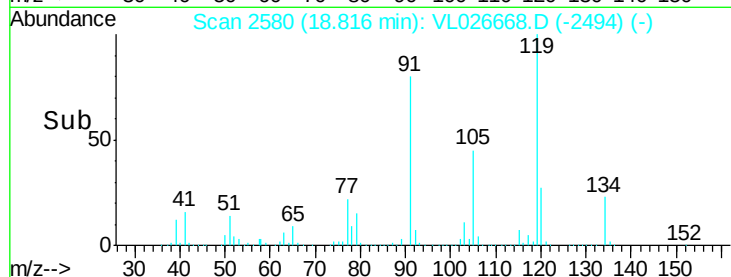
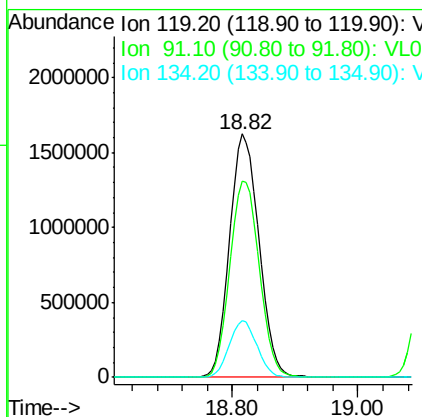
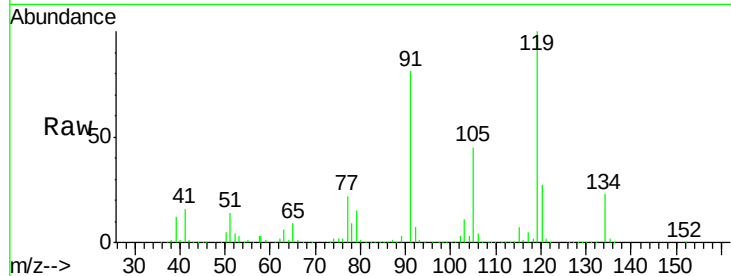
#65
tert-Butylbenzene
Concen: 9.36 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. 0.02 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 5280334
Ion Ratio Lower Upper
119 100
91 80.8 64.8 97.2
134 21.9 17.4 26.0

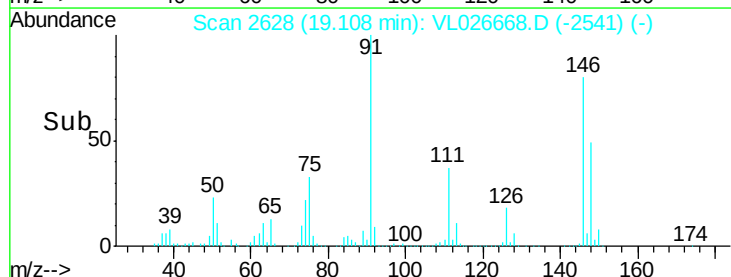
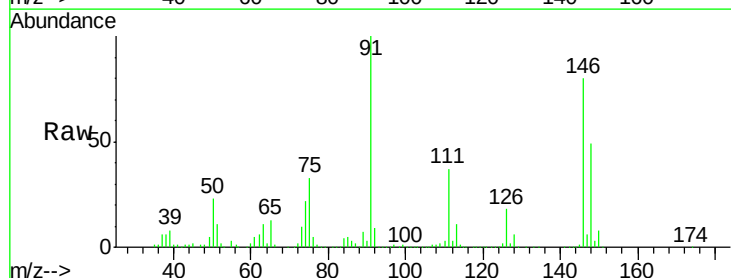
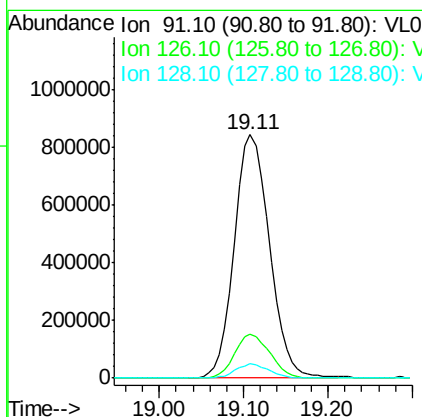
Manual Integrations
APPROVED

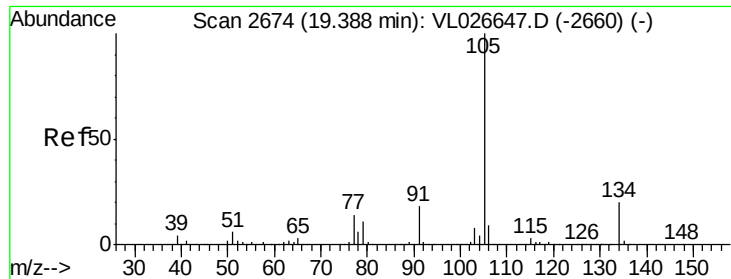
mohammad
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#66
Benzyl Chloride
Concen: 11.85 ppbv
RT: 19.11 min Scan# 2628
Delta R.T. 0.03 min
Lab File: VL026668.D
Acq: 12 Jan 2016 9:09

Tgt Ion: 91 Resp: 2389466
Ion Ratio Lower Upper
91 100
126 18.1 14.2 21.2
128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.87 ppbv

RT: 19.42 min Scan# 2679

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 8264495

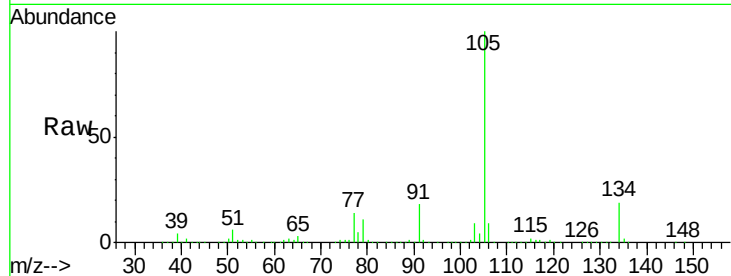
Ion Ratio Lower Upper

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

19.42

2500000

2000000

1500000

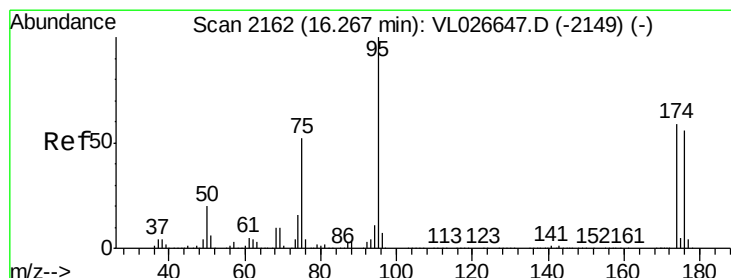
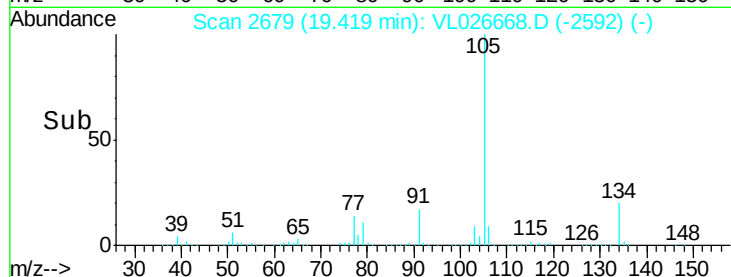
1000000

500000

0

19.30 19.40 19.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.45 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

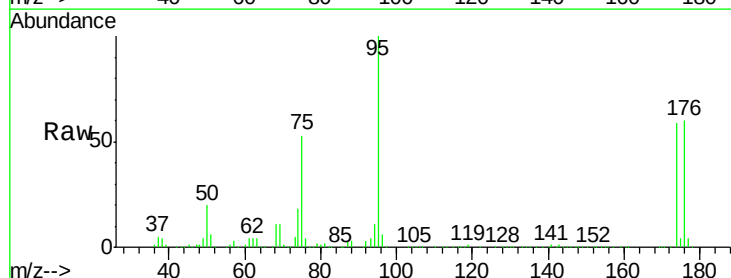
Tgt Ion: 95 Resp: 2436304

Ion Ratio Lower Upper

95 100

174 61.0 47.8 71.8

175 4.4 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

16.30

1000000

800000

600000

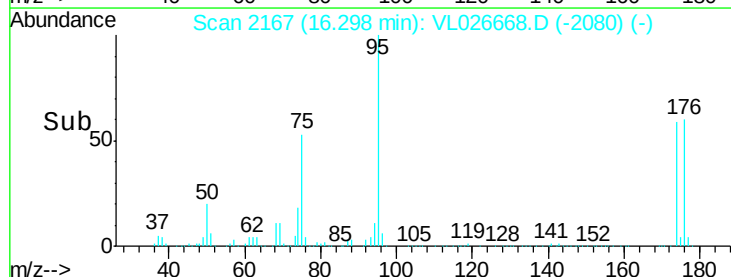
400000

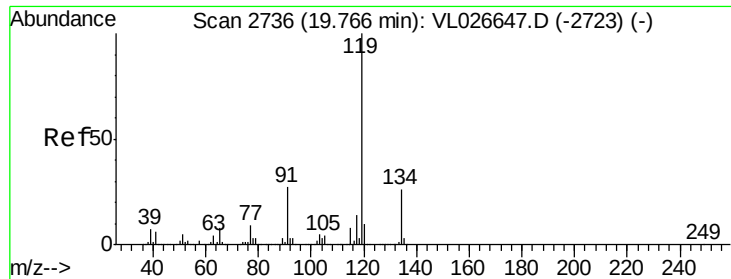
200000

0

16.20 16.30 16.40

Time-->





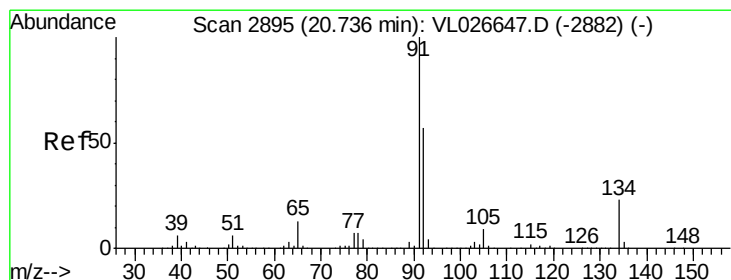
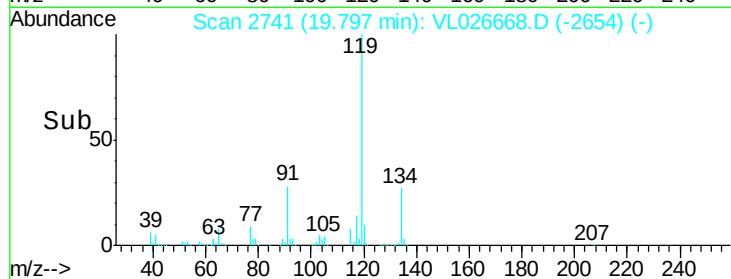
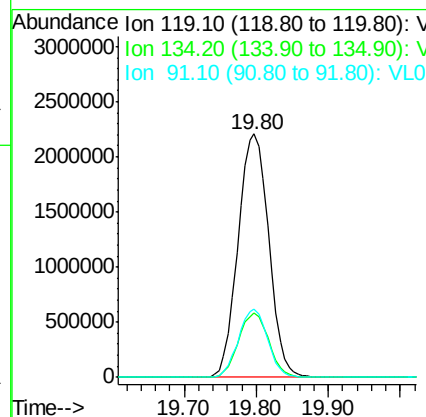
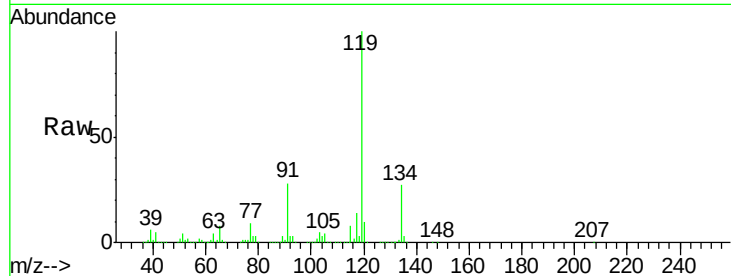
#69
 p-Isopropyltoluene
 Concen: 10.22 ppbv
 RT: 19.80 min Scan# 2741
 Delta R.T. 0.03 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion: 119 Resp: 6545340
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.6 31.0
 91 26.7 21.7 32.5

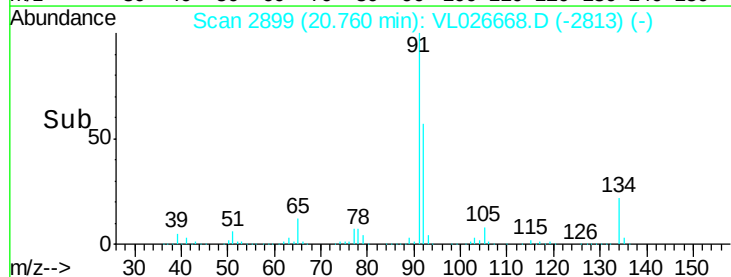
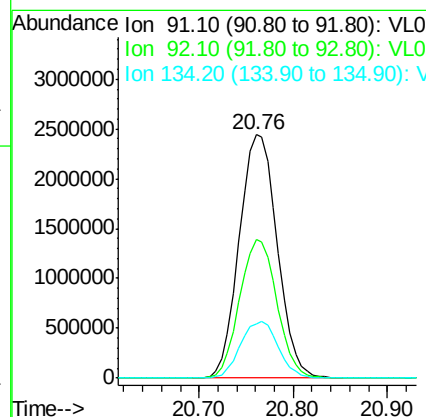
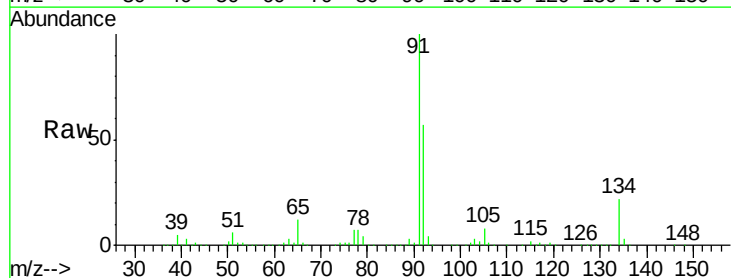
Manual Integrations
 APPROVED

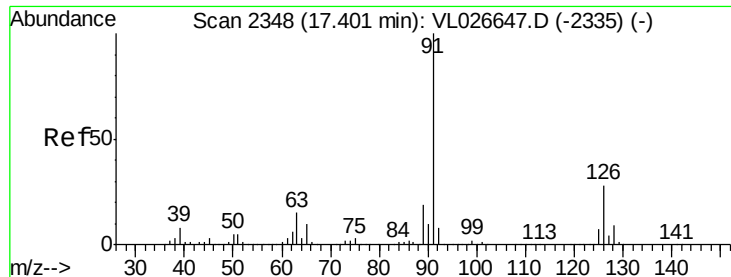
mohammad
 1/13/2016 2:36:23 PM



#70
 n-Butylbenzene
 Concen: 10.34 ppbv
 RT: 20.76 min Scan# 2899
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion: 91 Resp: 6890546
 Ion Ratio Lower Upper
 91 100
 92 55.9 45.0 67.4
 134 23.3 18.2 27.2





#71

2-Chlorotoluene

Concen: 10.58 ppbv

RT: 17.43 min Scan# 2353

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5073005

Ion Ratio Lower Upper

91 100

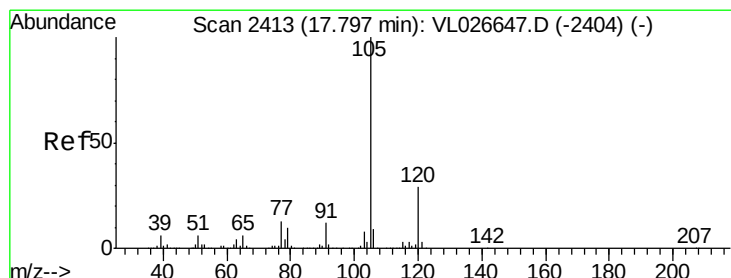
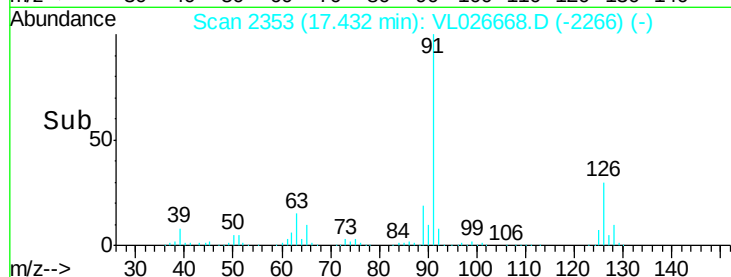
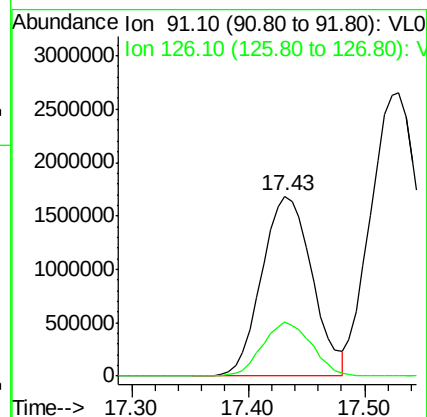
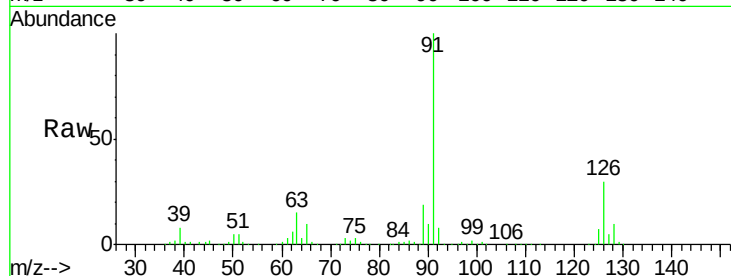
126 29.4 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 10.50 ppbv

RT: 17.83 min Scan# 2418

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tgt Ion: 105 Resp: 5462721

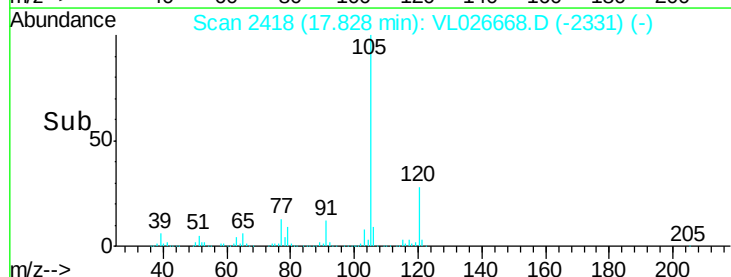
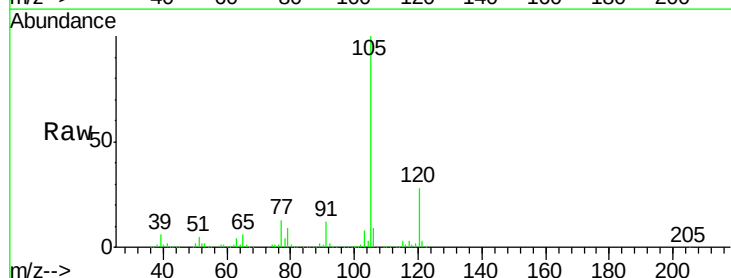
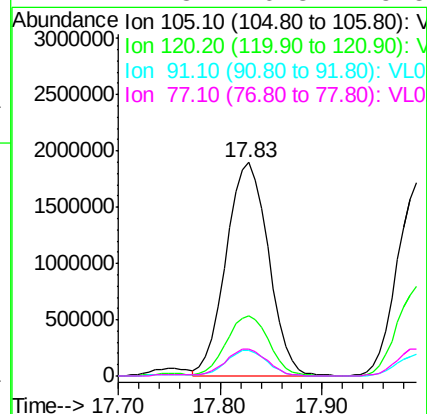
Ion Ratio Lower Upper

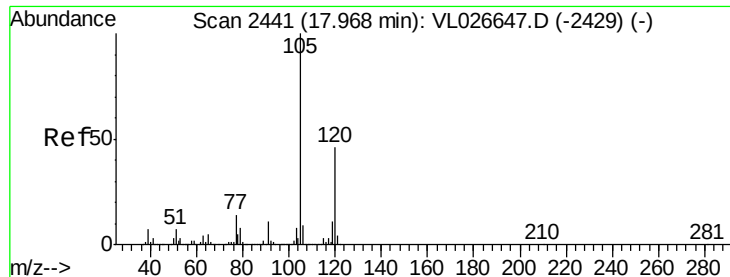
105 100

120 29.5 23.7 35.5

91 12.2 9.7 14.5

77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.22 ppbv

RT: 18.00 min Scan# 2446

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5037971

Ion Ratio Lower Upper

105 100

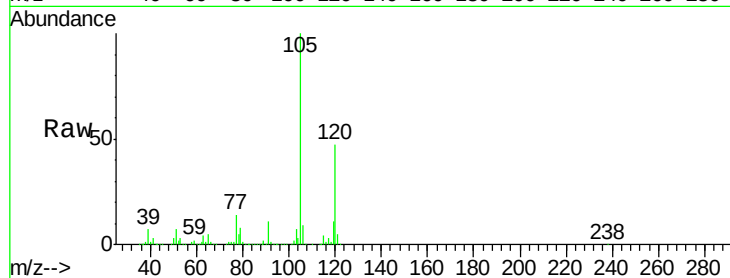
120 46.9 36.6 54.8

Manual Integrations

APPROVED

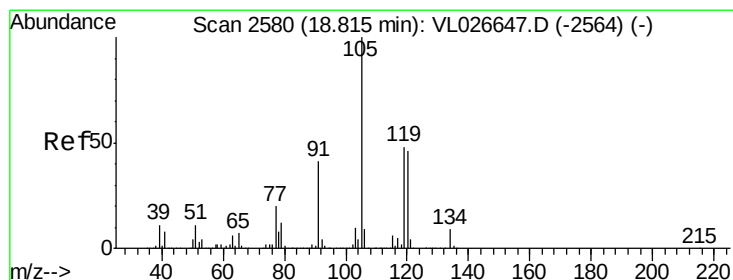
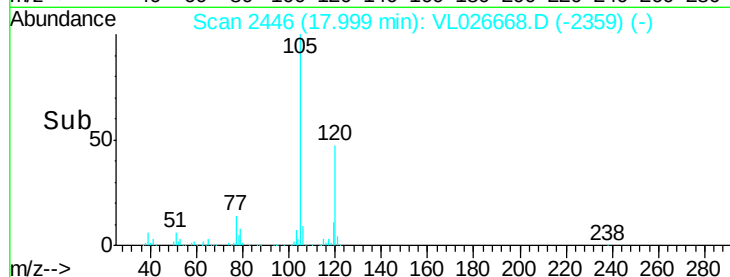
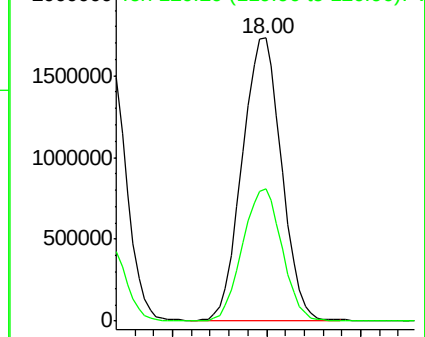
mohammad

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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: 9.36 ppbv

RT: 18.84 min Scan# 2584

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Tgt Ion:105 Resp: 4898786

Ion Ratio Lower Upper

105 100

120 47.2 36.6 55.0

91 50.6 32.5 48.7#

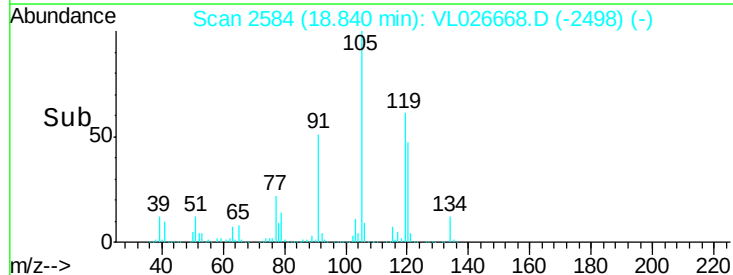
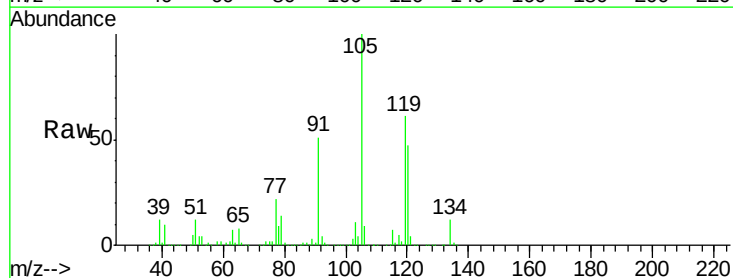
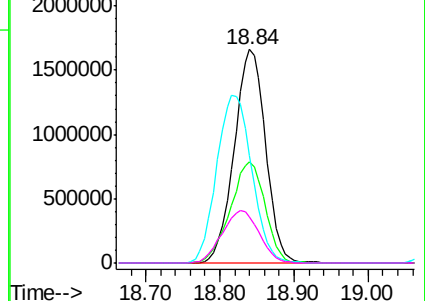
77 21.8 15.7 23.5

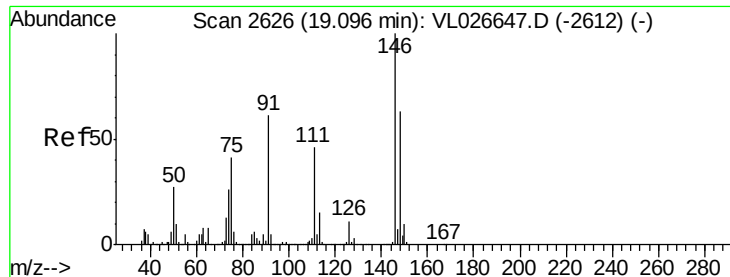
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.71 ppbv

RT: 19.13 min Scan# 2631

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3141034

Ion Ratio Lower Upper

146 100

111 45.8 22.9 68.5

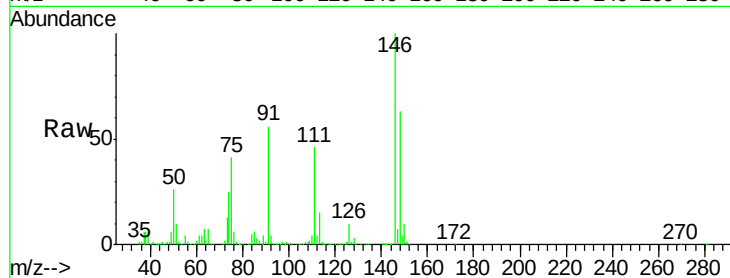
148 63.2 31.6 95.0

Manual Integrations

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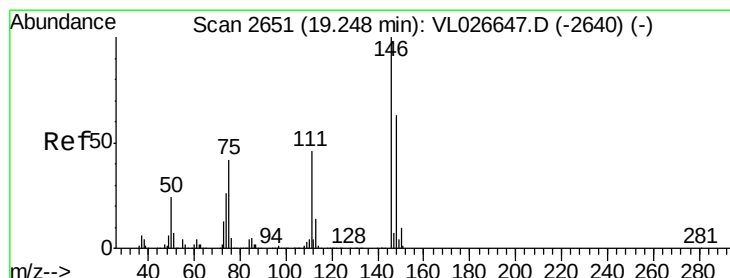
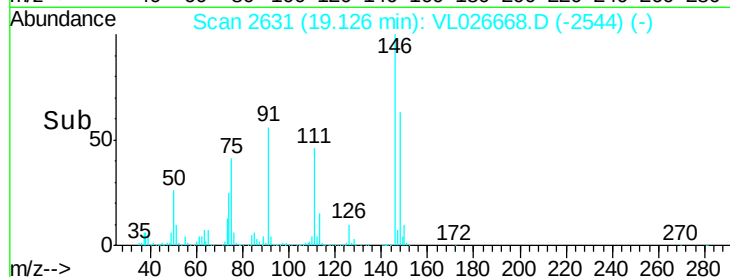
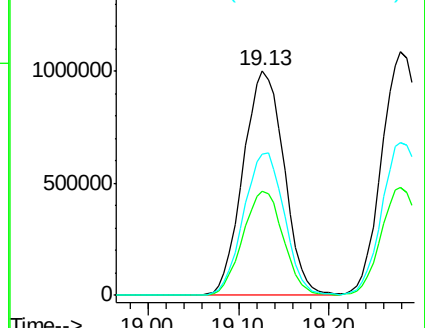
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.00 ppbv

RT: 19.28 min Scan# 2656

Delta R.T. 0.03 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

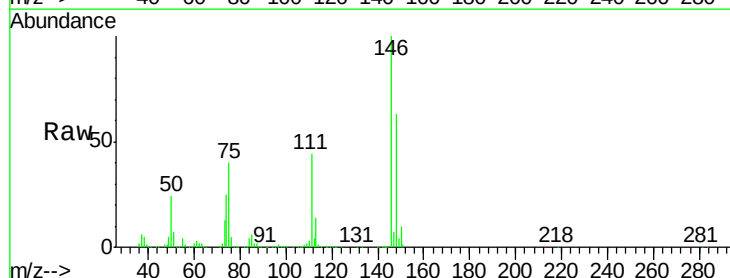
Tgt Ion:146 Resp: 3317559

Ion Ratio Lower Upper

146 100

111 44.2 22.3 66.8

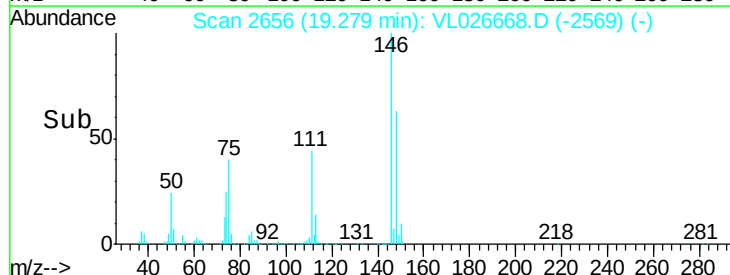
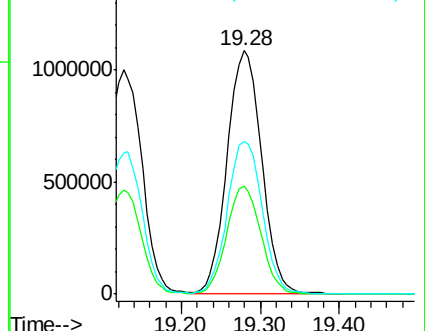
148 63.8 31.9 95.9

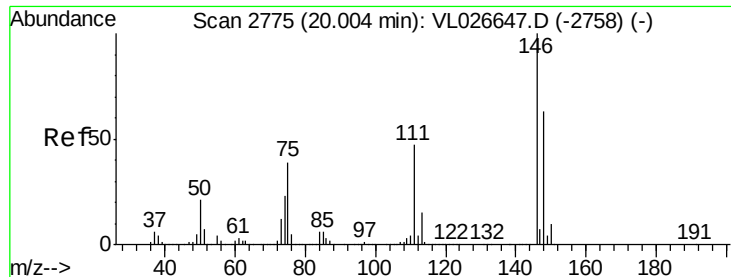


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





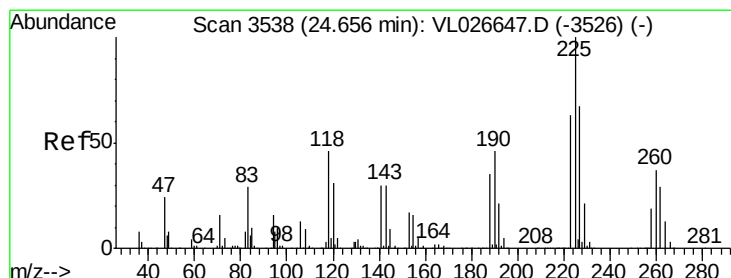
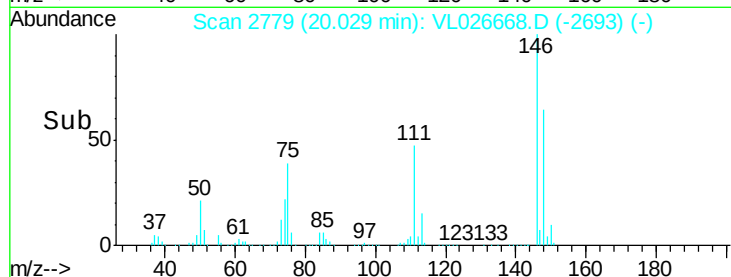
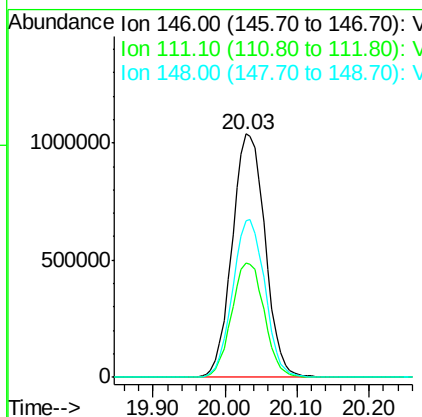
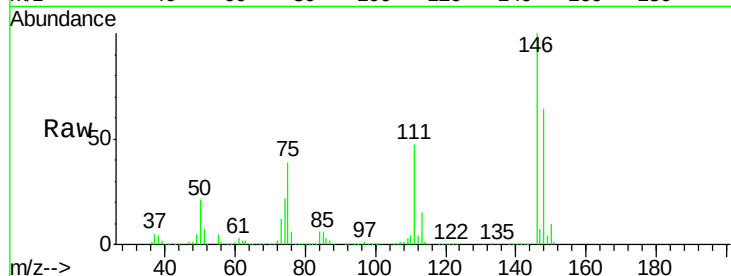
#77
 1,2-Dichlorobenzene
 Concen: 10.05 ppbv
 RT: 20.03 min Scan# 2779
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.7	71.1
148	64.1	31.1	93.5

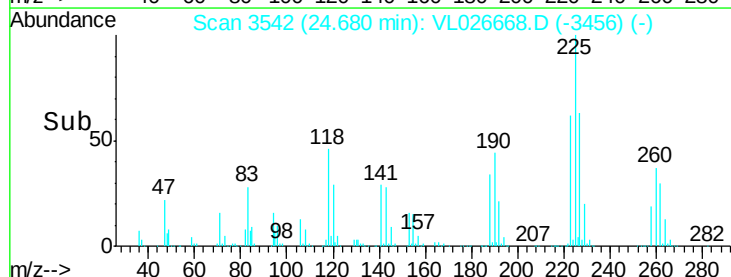
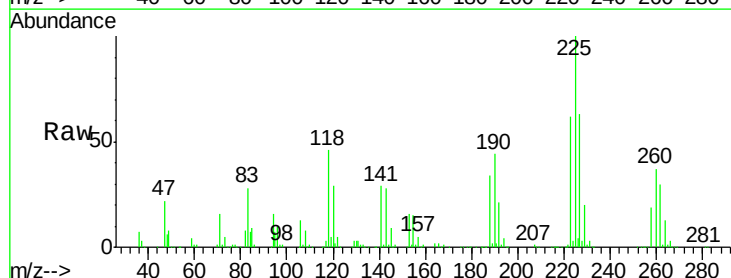
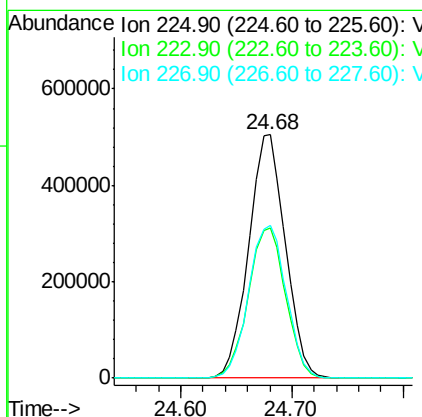
Manual Integrations
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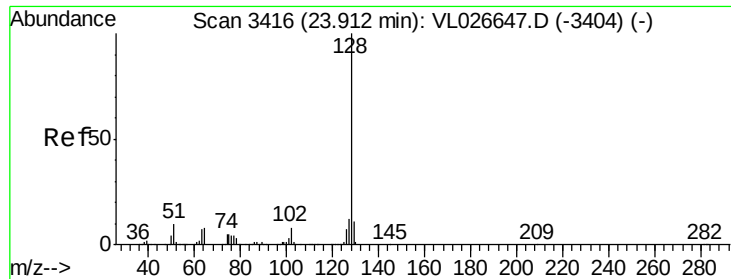
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.65 ppbv
 RT: 24.68 min Scan# 3542
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	64.7	51.1	76.7





#79

Naphthalene

Concen: 10.46 ppbv

RT: 23.94 min Scan# 3420

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3694937

Ion Ratio Lower Upper

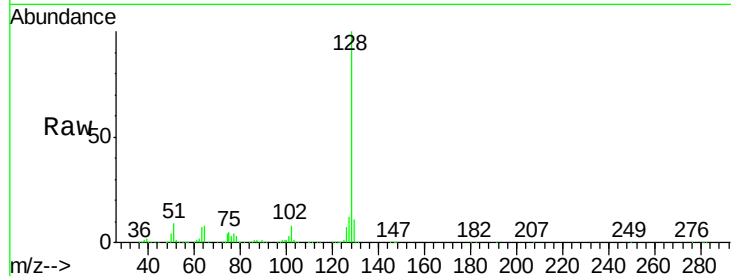
128 100

127 11.8 9.8 14.8

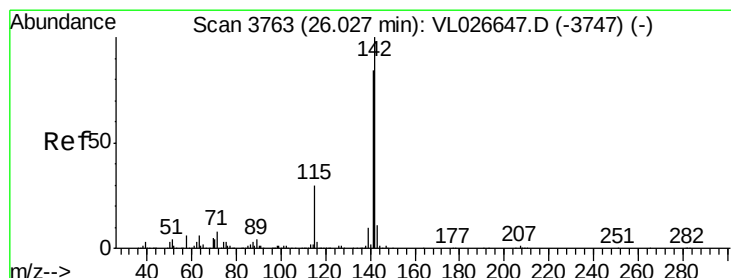
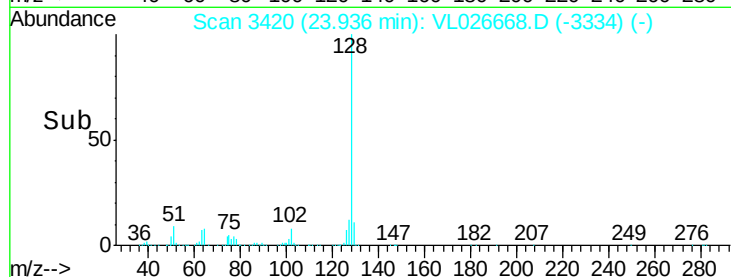
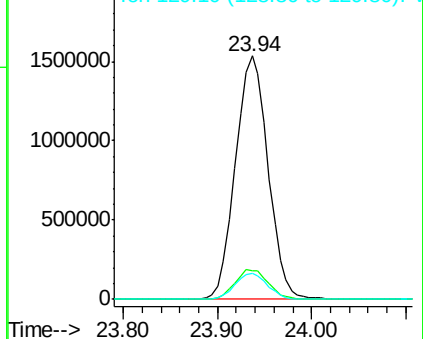
129 10.8 8.9 13.3

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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: 14.90 ppbv

RT: 26.05 min Scan# 3767

Delta R.T. 0.02 min

Lab File: VL026668.D

Acq: 12 Jan 2016 9:09

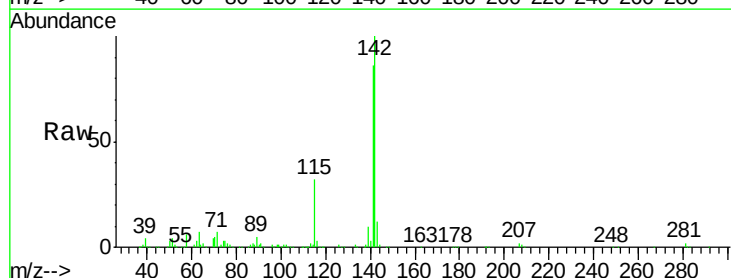
Tgt Ion:142 Resp: 817087

Ion Ratio Lower Upper

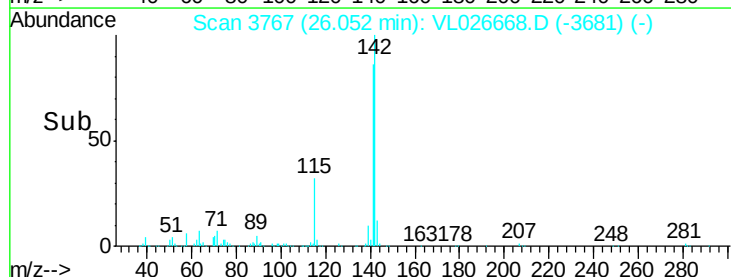
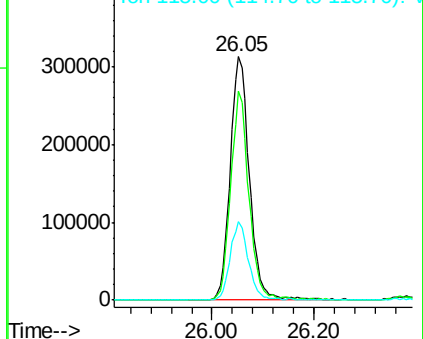
142 100

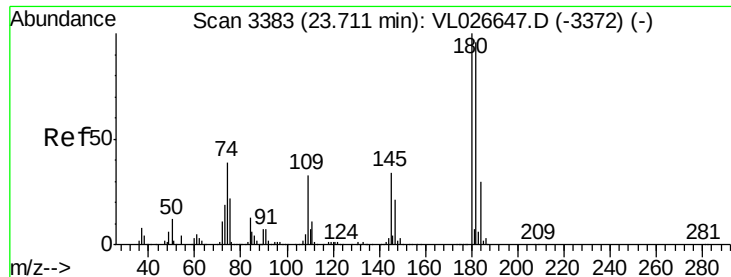
141 82.2 67.0 100.6

115 31.0 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: 10.06 ppbv
 RT: 23.74 min Scan# 3387
 Delta R.T. 0.02 min
 Lab File: VL026668.D
 Acq: 12 Jan 2016 9:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.4	113.0
184	30.0	24.1	36.1

Manual Integrations
 APPROVED

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