

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL111115\
 Data File : VL026373.D
 Acq On : 11 Nov 2015 20:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

mohammad
 11/12/2015 6:51:58 PM

Quant Time: Nov 12 18:26:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	434934	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	8.34	114	1228823	10.00	ppbv	-0.04
55) Chlorobenzene-d5	13.76	117	1466887m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	860661	7.73	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	686133	7.37	ppbv	99
3) Chlorodifluoromethane	3.57	51	592949	10.82	ppbv	97
4) Chloromethane	3.75	50	344029	11.00	ppbv	100
5) Vinyl Chloride	3.89	62	360900	10.48	ppbv	100
6) Bromomethane	4.14	94	263221	11.58	ppbv	97
7) Chloroethane	4.24	64	154209	11.30	ppbv	100
8) Dichlorotetrafluoroethane	3.81	85	892519	11.30	ppbv	99
9) Propene	3.59	41	277254	10.52	ppbv	99
10) Heptane	9.36	43	992936	11.17	ppbv	96
11) Trichlorofluoromethane	4.70	101	1069709	12.14	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	683051	11.61	ppbv	98
13) Ethanol	4.33	45	20248	5.14	ppbv	93
14) Bromoethene	4.45	108	286313	11.56	ppbv	99
15) Acetone	4.60	43	625616	10.86	ppbv	97
16) 1,3-Butadiene	3.96	39	323274	11.39	ppbv	98
17) tert-Butyl alcohol	5.12	59	467372	11.31	ppbv	100
18) 1,1-Dichloroethene	5.09	96	307624	11.52	ppbv	96
19) Isopropyl Alcohol	4.75	45	210798	8.54	ppbv #	28
20) Methylene Chloride	5.15	84	281155	11.21	ppbv	99
21) Allyl Chloride	5.23	41	457097	11.26	ppbv	95
22) trans-1,2-Dichloroethene	5.76	96	402431	11.29	ppbv	98
23) Vinyl Acetate	5.98	43	1296959	11.69	ppbv	99
24) 1,1-Dichloroethane	5.91	63	863244	11.32	ppbv	99
25) Ethyl Acetate	6.67	43	1338806	11.16	ppbv	100
26) Hexane	6.66	57	656444	11.17	ppbv	98
27) Carbon Disulfide	5.39	76	850429	12.10	ppbv	98
28) Methyl tert-Butyl Ether	5.95	73	1172314	11.40	ppbv	99
29) Chloroform	6.75	83	1029133	11.82	ppbv	99
30) Cyclohexane	8.29	84	667427	11.57	ppbv	98
31) cis-1,2-Dichloroethene	6.52	61	640346	11.84	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1053918	10.95	ppbv	98
34) 2-Butanone	6.20	43	857541	11.56	ppbv	99
35) Carbon Tetrachloride	8.17	117	1109303	11.98	ppbv	99
36) Benzene	8.03	78	1512736	11.63	ppbv	99
37) 1,2-Dichloroethane	7.38	62	852359	12.71	ppbv	98
38) Trichloroethene	9.07	130	633651	10.14	ppbv	97
39) 1,2-Dichloropropane	8.83	63	549471	11.60	ppbv	98
40) 1,4-Dioxane	9.13	88	56161	6.93	ppbv #	1
41) Tetrahydrofuran	7.12	42	499613	11.65	ppbv	98
42) Bromodichloromethane	9.03	83	1150304	12.81	ppbv	100
43) Methyl Methacrylate	9.27	69	582655	12.60	ppbv	98

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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	2396964	11.30	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	877843	13.47	ppbv	97
46) cis-1,3-Dichloropropene	10.02	75	1016704	12.83	ppbv	100
47) 1,1,2-Trichloroethane	10.88	97	672113	11.74	ppbv	99
48) Dibromochloromethane	11.81	129	1071475	13.09	ppbv	100
49) Bromoform	14.82	173	855428	13.45	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	1210180	12.18	ppbv	99
51) 2-Hexanone	11.62	43	1139289	12.60	ppbv #	100
52) Tetrachloroethene	12.80	164	669114	10.20	ppbv	97
53) Toluene	11.24	91	2077615	12.30	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1080569	12.47	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.79	131	796857	12.39	ppbv	88
57) Chlorobenzene	13.82	112	1675957	11.52	ppbv	97
58) Ethyl Benzene	14.42	91	2937175	12.18	ppbv	99
59) m/p-Xylene	14.72	91	4525784	23.70	ppbv #	100
60) o-Xylene	15.50	91	2307866	11.56	ppbv	99
61) Styrene	15.32	104	1096023	12.91	ppbv	99
62) Isopropylbenzene	16.55	105	3109016	11.47	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	1543033	9.93	ppbv	100
64) n-propylbenzene	17.53	120	847547	11.51	ppbv	91
65) tert-Butylbenzene	18.82	119	2741079	11.21	ppbv	98
66) Benzyl Chloride	19.11	91	965093	12.66	ppbv	98
67) sec-Butylbenzene	19.42	105	3953551	11.40	ppbv	99
69) p-Isopropyltoluene	19.80	119	3247335	11.50	ppbv	99
70) n-Butylbenzene	20.77	91	3148490	11.72	ppbv	99
71) 2-Chlorotoluene	17.43	91	2321163	11.61	ppbv	100
72) 4-Ethyltoluene	17.83	105	2637289	11.76	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	2481842	11.73	ppbv	96
74) 1,2,4-Trimethylbenzene	18.84	105	2487235	11.23	ppbv	98
75) 1,3-Dichlorobenzene	19.13	146	1587178	11.07	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	1634533	11.21	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	1593520	11.14	ppbv	100
78) Hexachloro-1,3-Butadiene	24.68	225	590583	10.19	ppbv	99
79) Naphthalene	23.94	128	1774625	11.21	ppbv	99
80) Naphthalene, 2-methyl-	26.05	142	435886	14.92	ppbv	97
81) 1,2,4-Trichlorobenzene	23.74	180	847443	10.72	ppbv	100

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

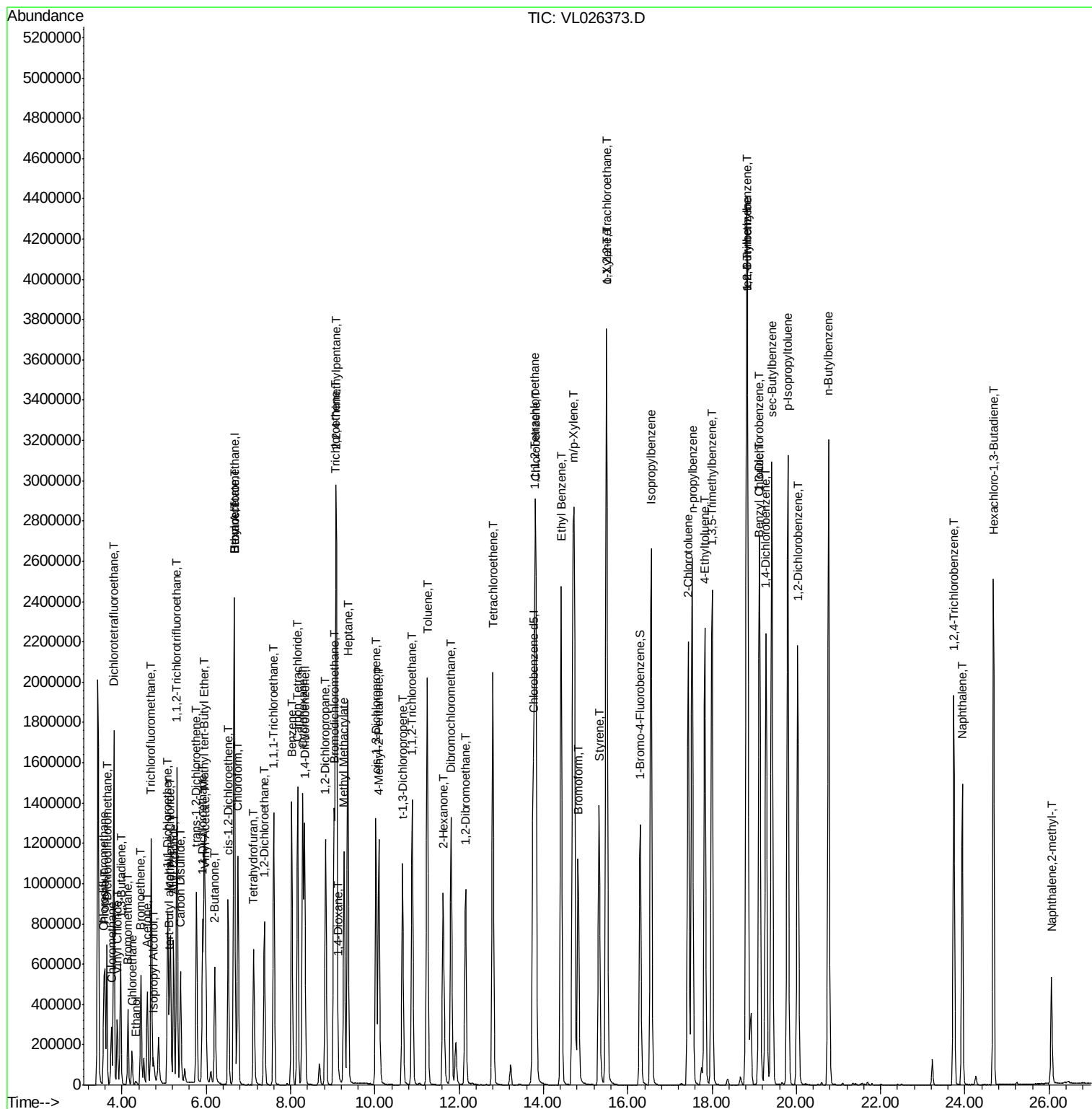
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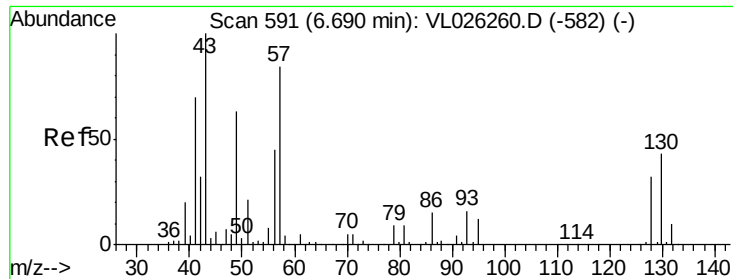
Instrument :
MSVOA_L
ClientSampleId :
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

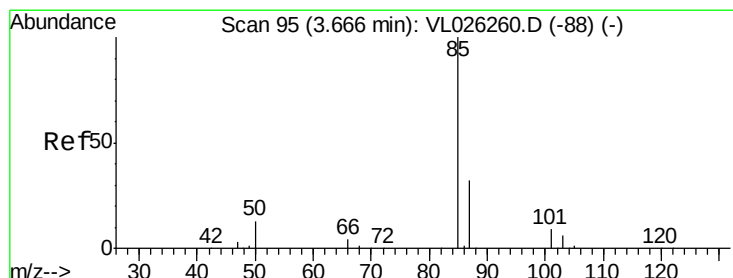
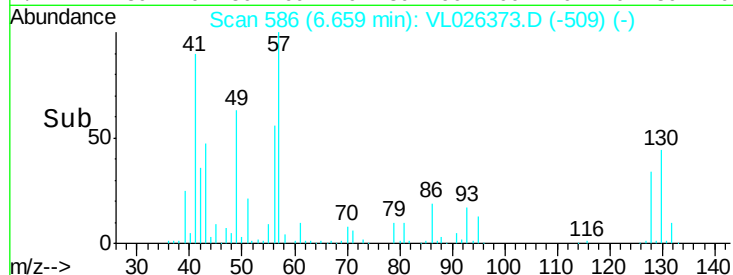
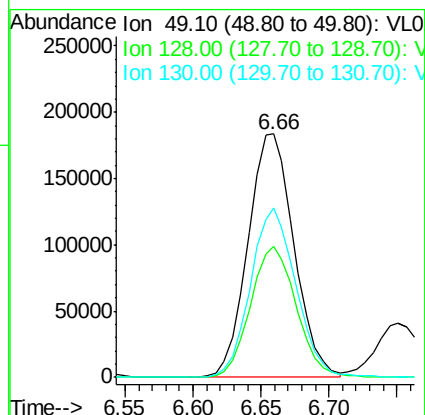
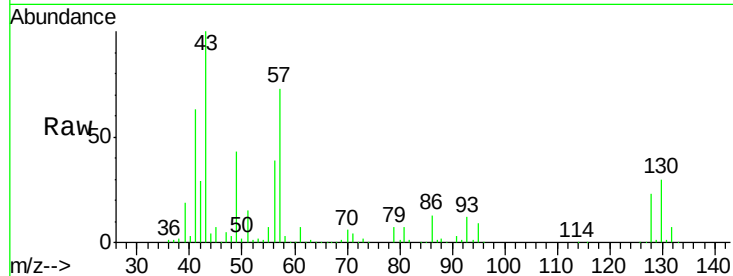
ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 434934
 Ion Ratio Lower Upper
 49 100
 128 53.5 26.7 80.1
 130 68.7 34.4 103.2

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#2

Dichlorodifluoromethane

Concen: 7.37 ppbv

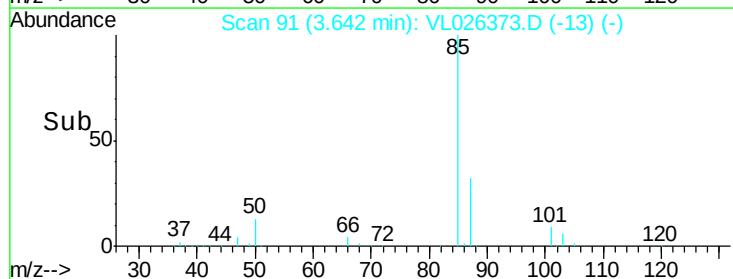
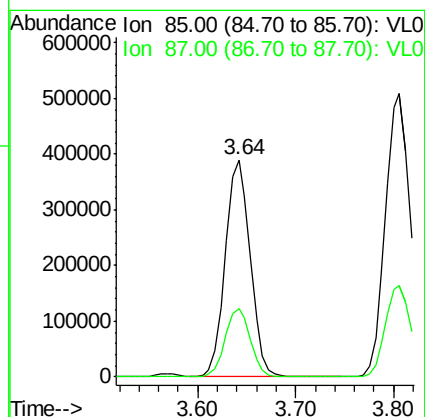
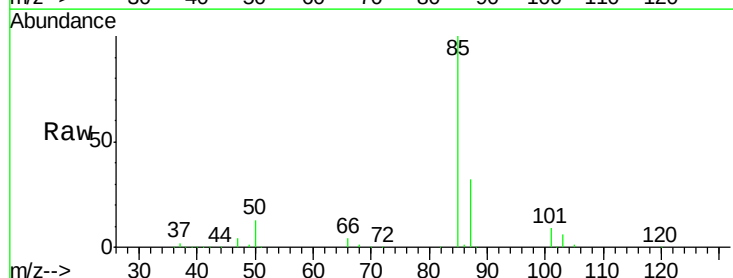
RT: 3.64 min Scan# 91

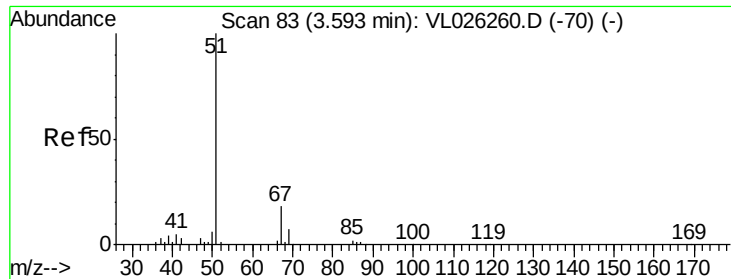
Delta R.T. -0.02 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion: 85 Resp: 686133
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.9 38.9





#3

Chlorodifluoromethane

Concen: 10.82 ppbv

RT: 3.57 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 592949

Ion Ratio Lower Upper

51 100

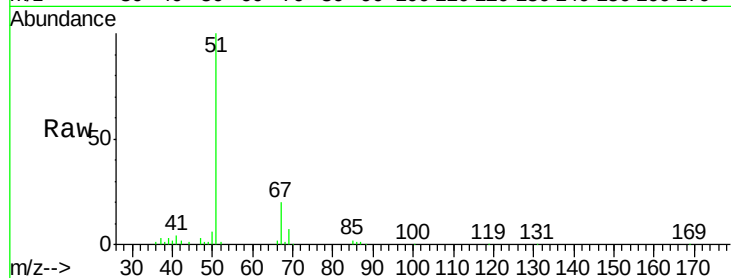
67 19.4 14.5 21.7

Manual Integrations

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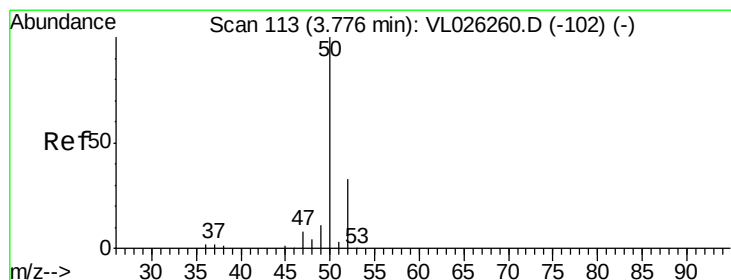
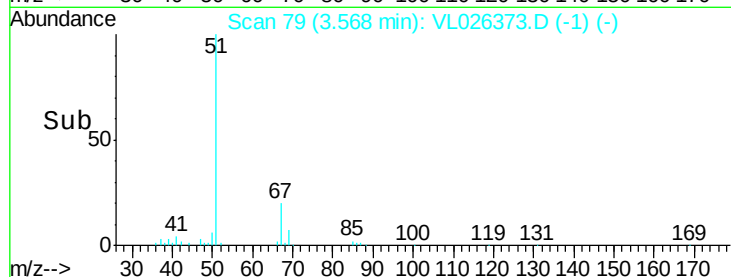
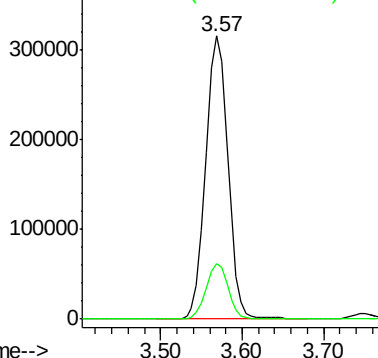
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.00 ppbv

RT: 3.75 min Scan# 109

Delta R.T. -0.02 min

Lab File: VL026373.D

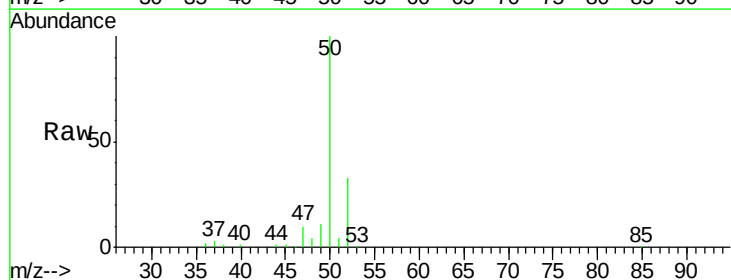
Acq: 11 Nov 2015 20:30

Tgt Ion: 50 Resp: 344029

Ion Ratio Lower Upper

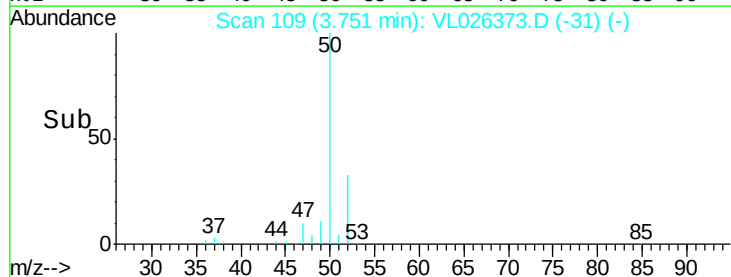
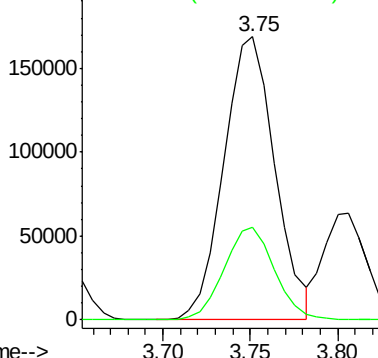
50 100

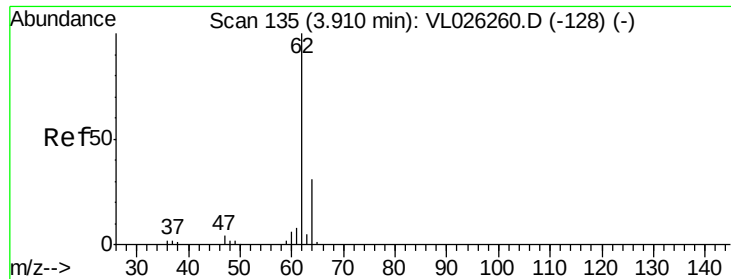
52 32.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.48 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.02 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 360900

Ion Ratio Lower Upper

62 100

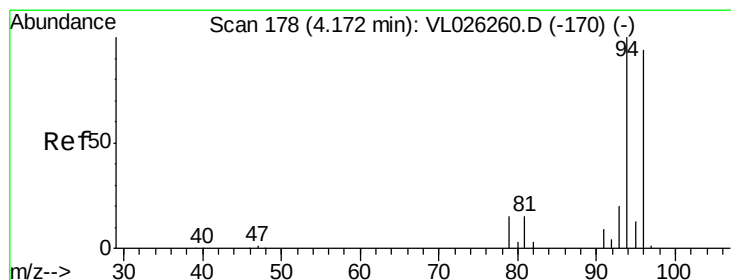
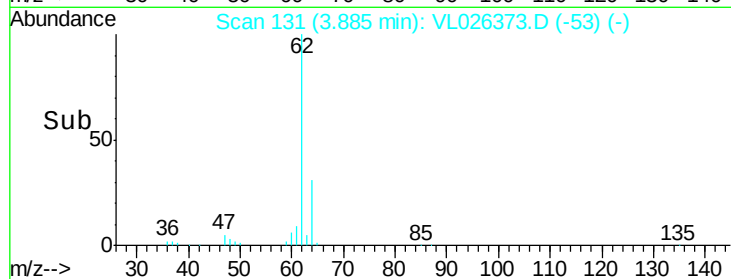
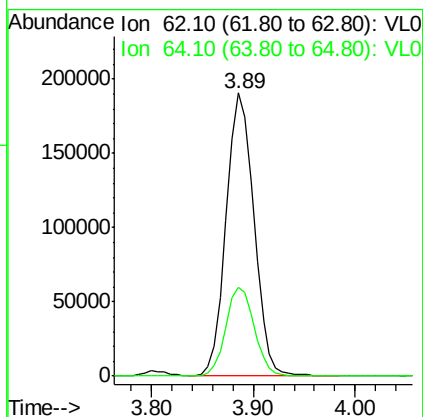
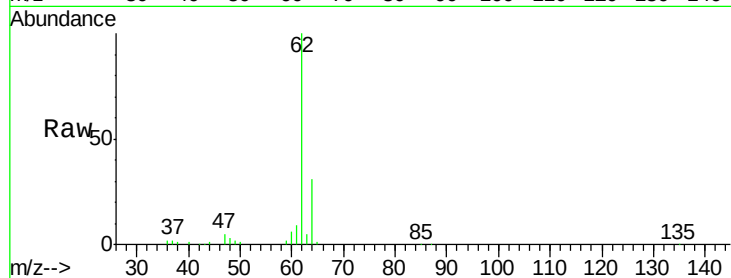
64 31.3 24.9 37.3

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#6

Bromomethane

Concen: 11.58 ppbv

RT: 4.14 min Scan# 173

Delta R.T. -0.03 min

Lab File: VL026373.D

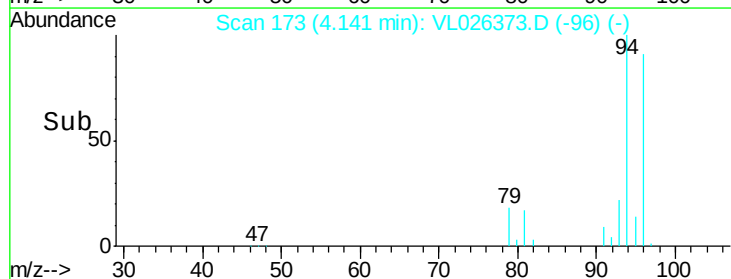
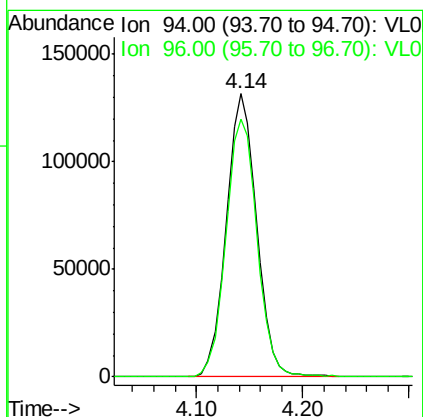
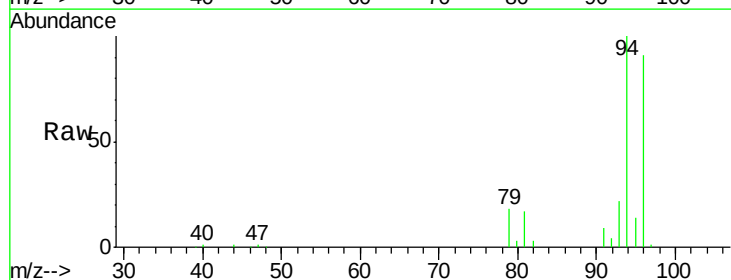
Acq: 11 Nov 2015 20:30

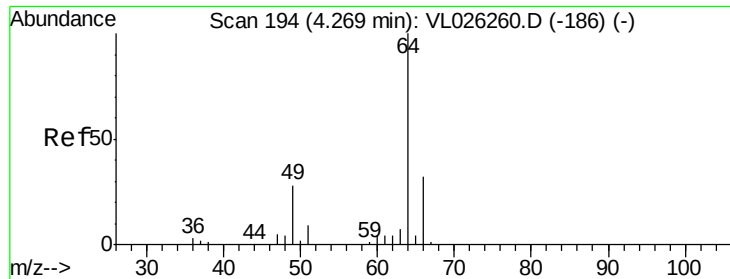
Tgt Ion: 94 Resp: 263221

Ion Ratio Lower Upper

94 100

96 91.1 75.5 113.3





#7

Chloroethane

Concen: 11.30 ppbv

RT: 4.24 min Scan# 189

Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 154209

Ion Ratio Lower Upper

64 100

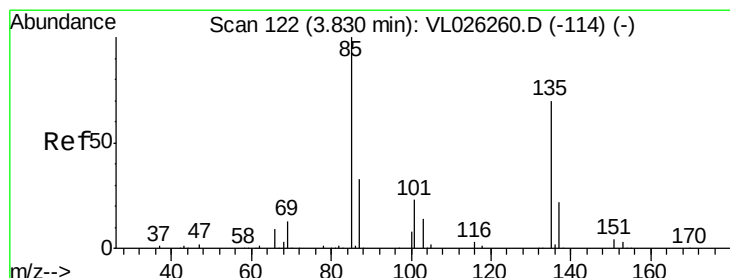
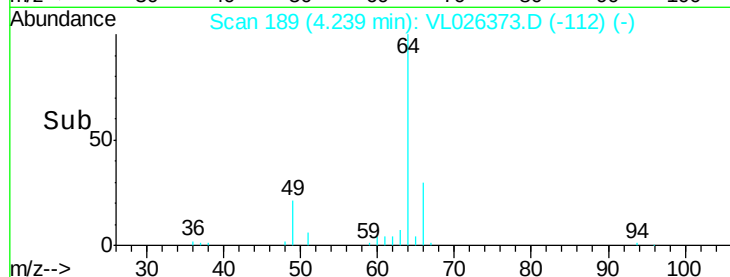
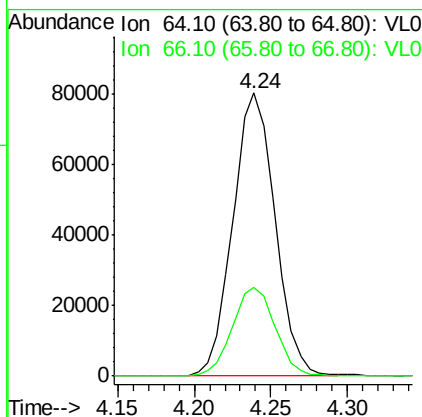
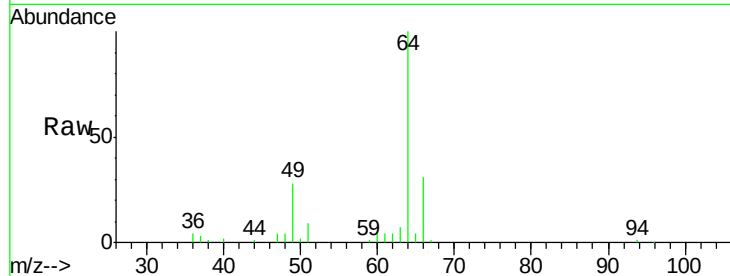
66 31.3 25.2 37.8

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#8

Dichlorotetrafluoroethane

Concen: 11.30 ppbv

RT: 3.81 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL026373.D

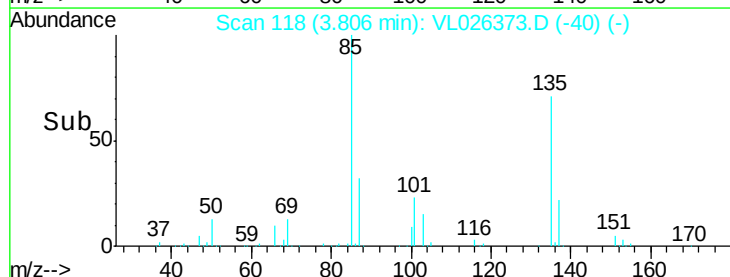
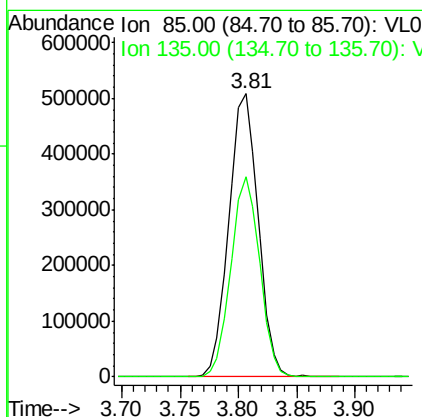
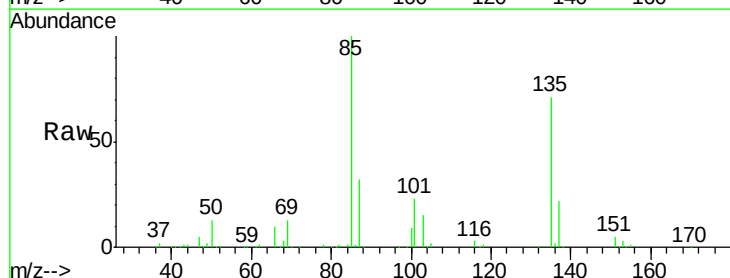
Acq: 11 Nov 2015 20:30

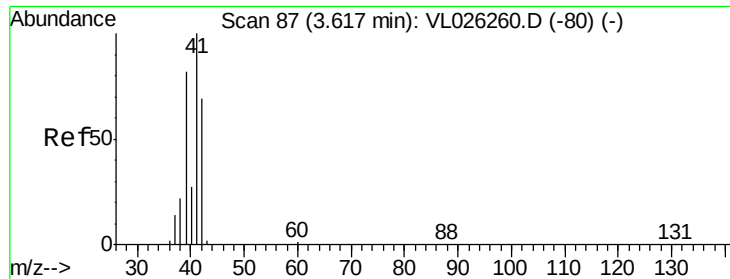
Tgt Ion: 85 Resp: 892519

Ion Ratio Lower Upper

85 100

135 70.0 56.6 84.8





#9

Propene

Concen: 10.52 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.02 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 277254

Ion Ratio Lower Upper

41 100

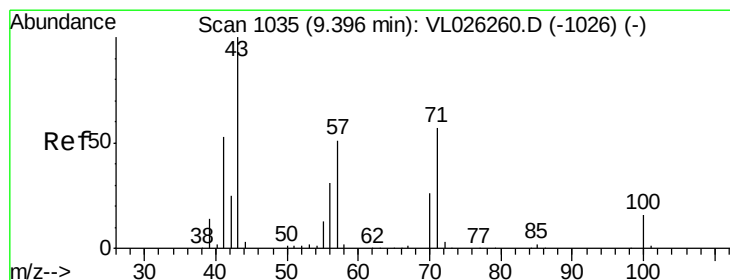
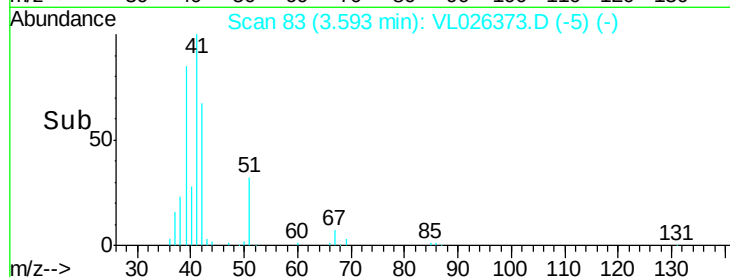
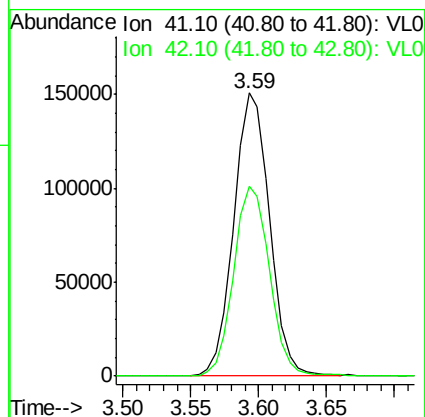
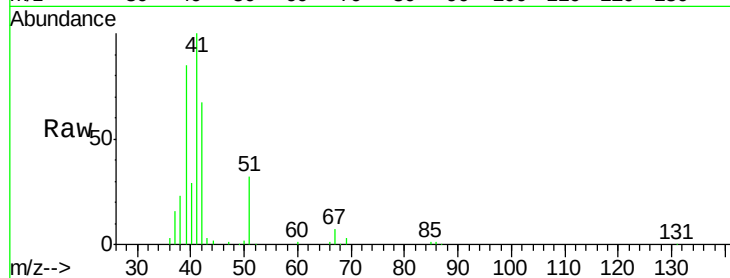
42 67.3 54.5 81.7

Manual Integrations

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11/12/2015 6:51:58 PM



#10

Heptane

Concen: 11.17 ppbv

RT: 9.36 min Scan# 1029

Delta R.T. -0.04 min

Lab File: VL026373.D

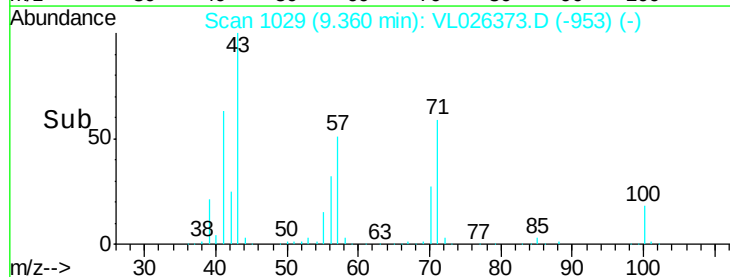
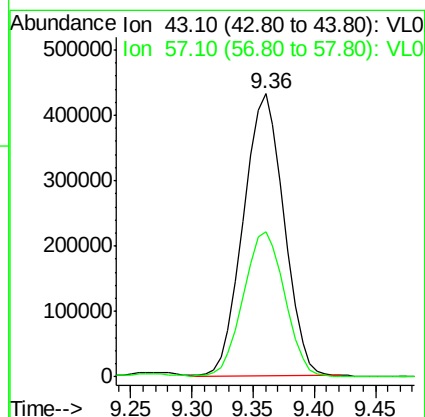
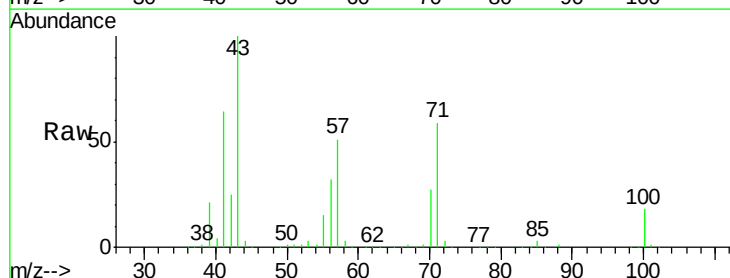
Acq: 11 Nov 2015 20:30

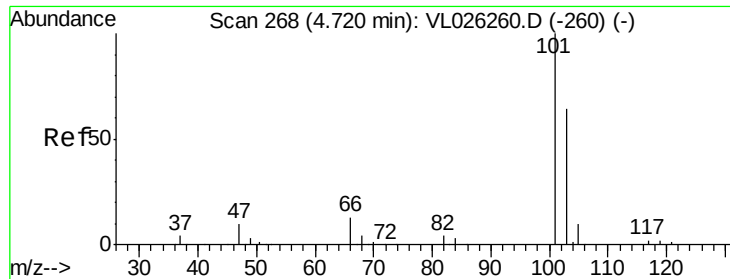
Tgt Ion: 43 Resp: 992936

Ion Ratio Lower Upper

43 100

57 54.3 41.1 61.7





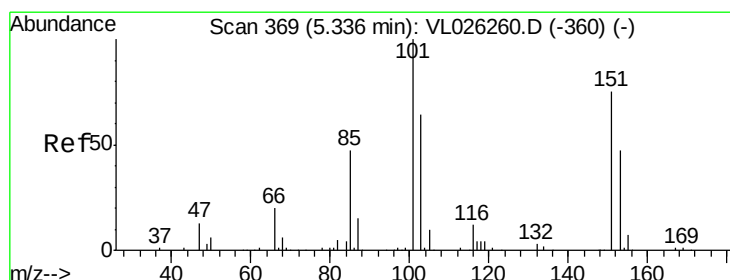
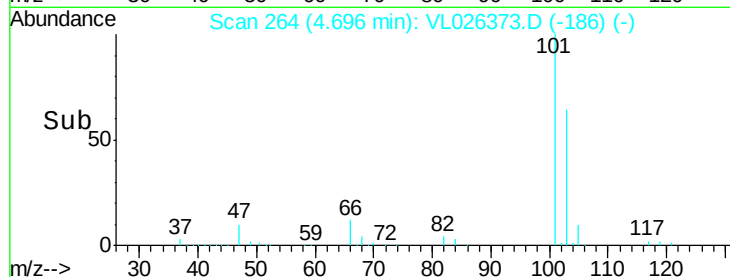
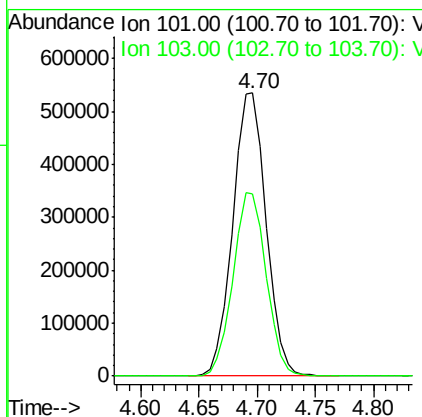
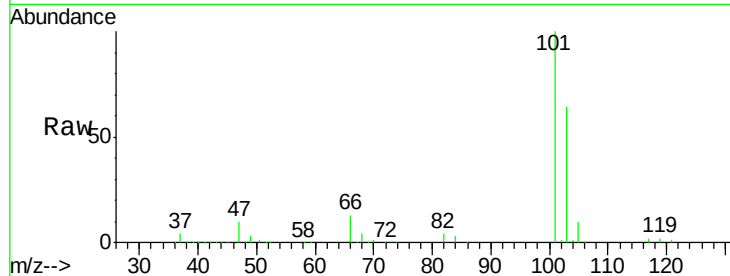
#11
 Trichlorofluoromethane
 Concen: 12.14 ppbv
 RT: 4.70 min Scan# 264
 Delta R.T. -0.02 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1069709
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

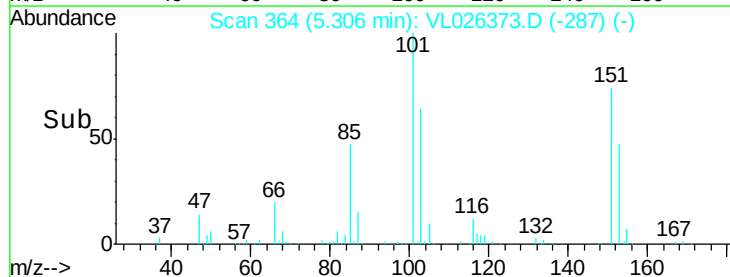
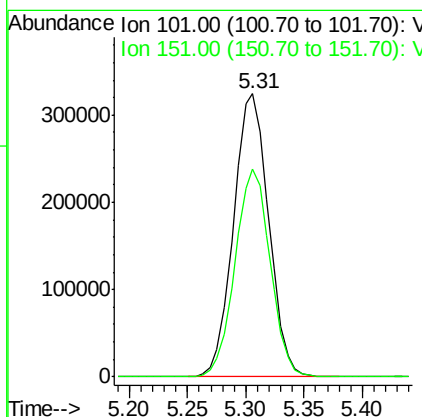
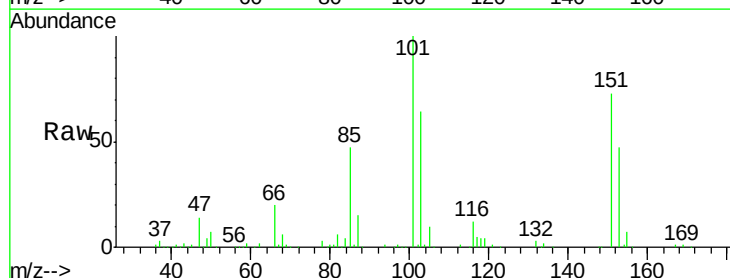
Manual Integrations
 APPROVED

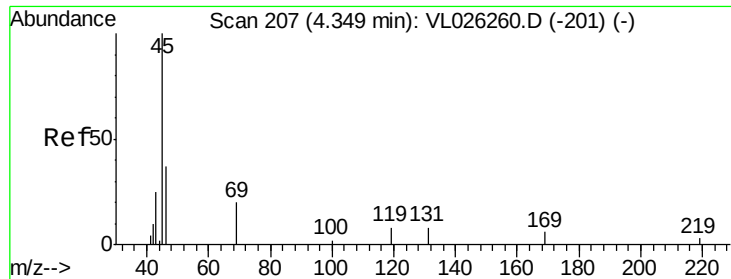
mohammad
 11/12/2015 6:51:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.61 ppbv
 RT: 5.31 min Scan# 364
 Delta R.T. -0.03 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion:101 Resp: 683051
 Ion Ratio Lower Upper
 101 100
 151 73.4 60.3 90.5





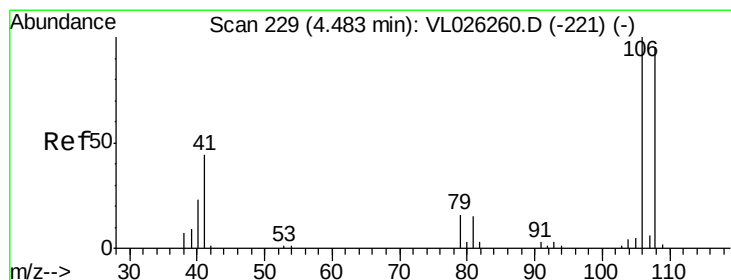
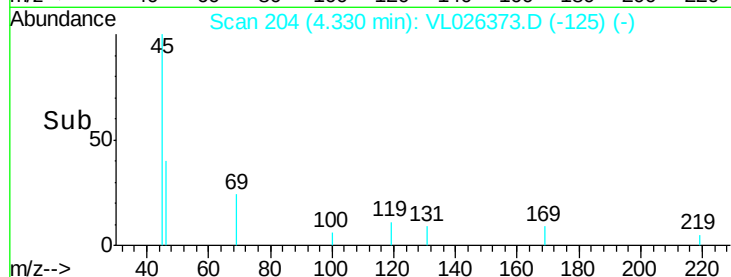
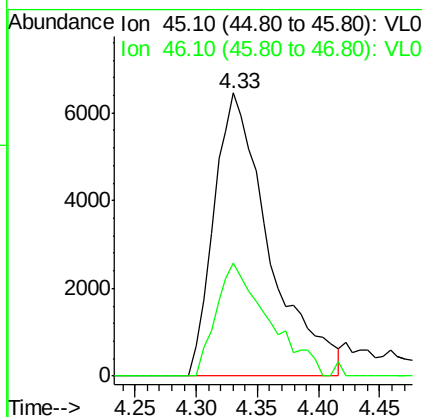
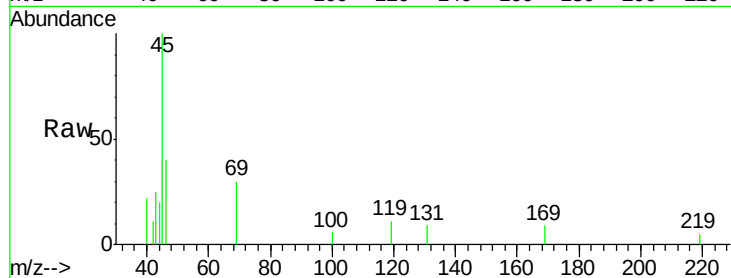
#13
Ethanol
Concen: 5.14 ppbv
RT: 4.33 min Scan# 204
Delta R.T. -0.02 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 20248
Ion Ratio Lower Upper
45 100
46 38.3 17.0 68.0

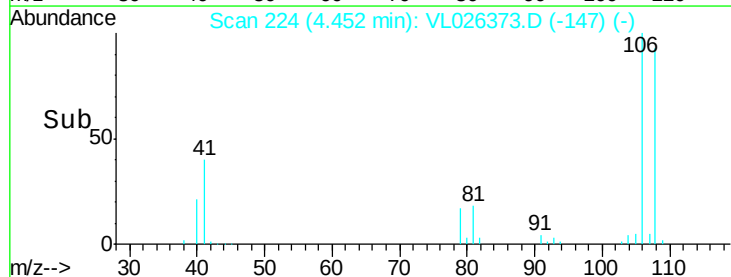
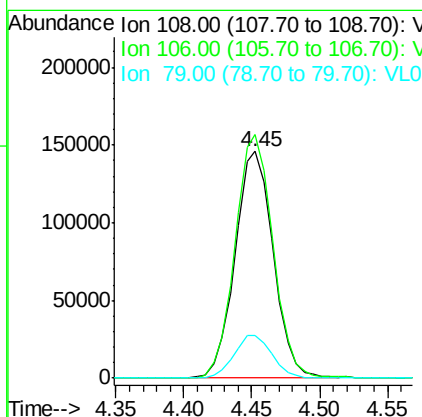
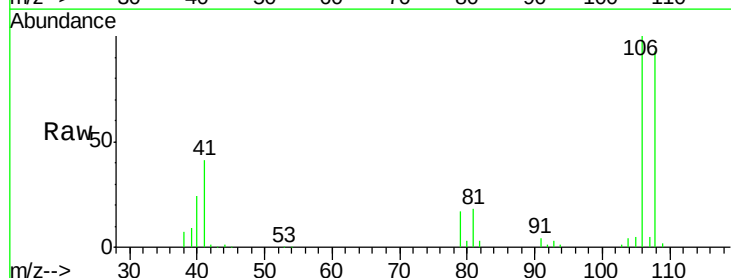
Manual Integrations
APPROVED

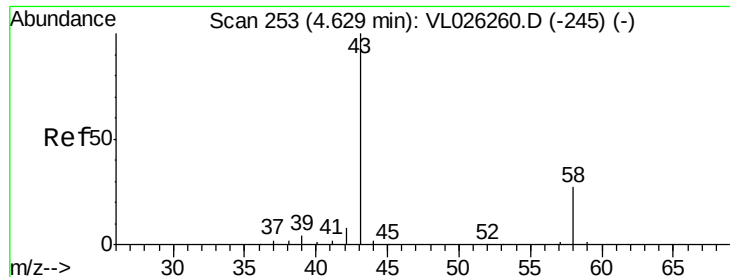
mohammad
11/12/2015 6:51:58 PM



#14
Bromoethene
Concen: 11.56 ppbv
RT: 4.45 min Scan# 224
Delta R.T. -0.03 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 108 Resp: 286313
Ion Ratio Lower Upper
108 100
106 106.9 85.4 128.0
79 18.9 13.5 20.3





#15

Acetone

Concen: 10.86 ppbv

RT: 4.60 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 625616

Ion Ratio Lower Upper

43 100

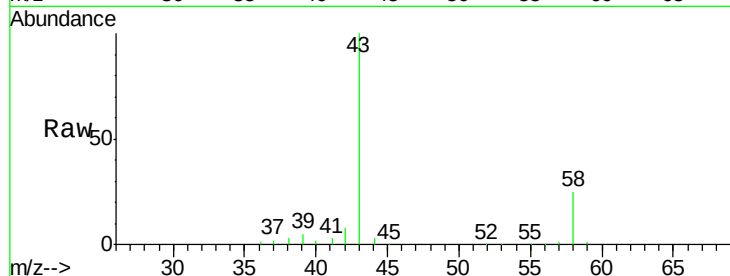
58 26.2 22.3 33.5

Manual Integrations

APPROVED

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.60

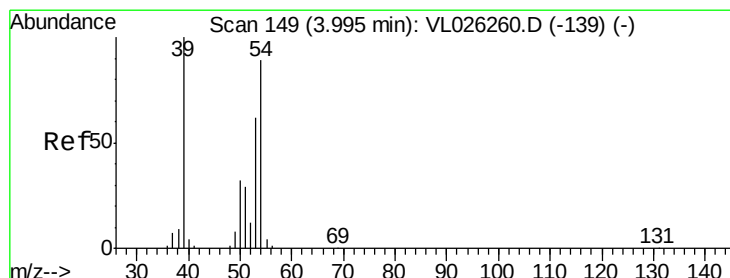
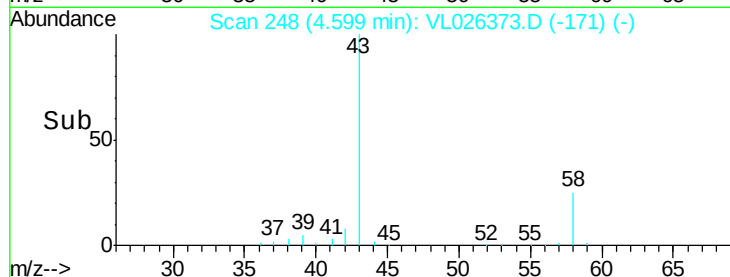
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 11.39 ppbv

RT: 3.96 min Scan# 144

Delta R.T. -0.03 min

Lab File: VL026373.D

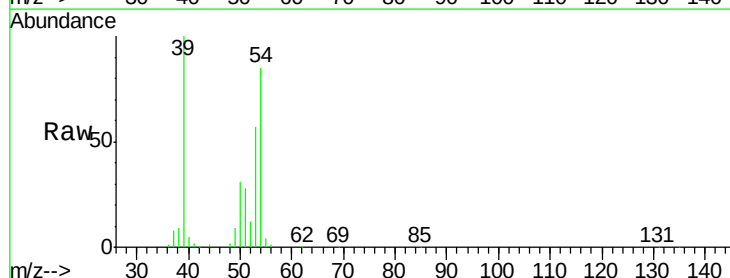
Acq: 11 Nov 2015 20:30

Tgt Ion: 39 Resp: 323274

Ion Ratio Lower Upper

39 100

54 82.3 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.96

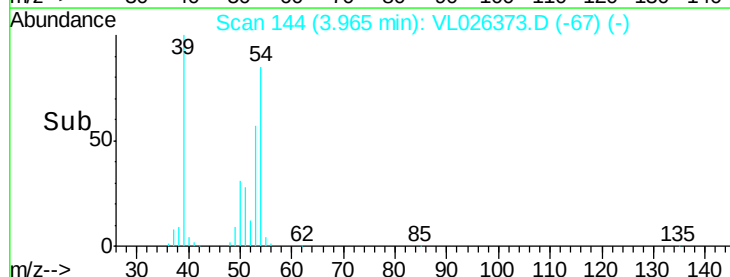
150000

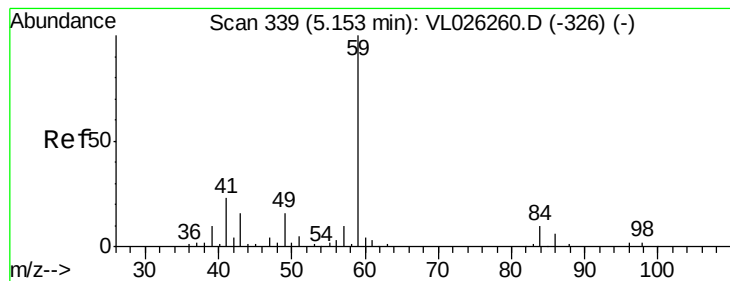
100000

50000

0

Time-->





#17

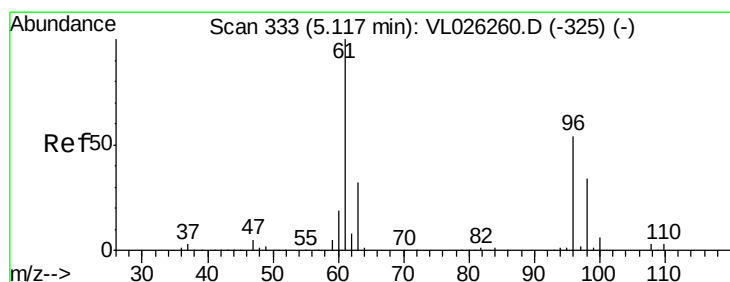
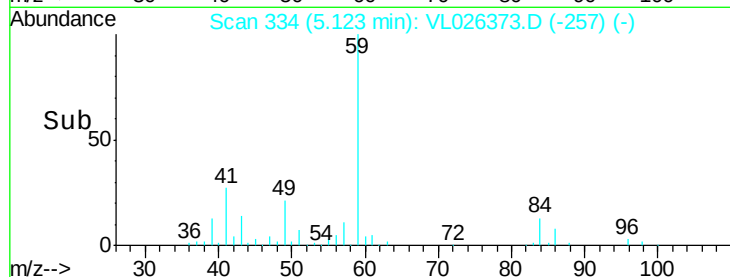
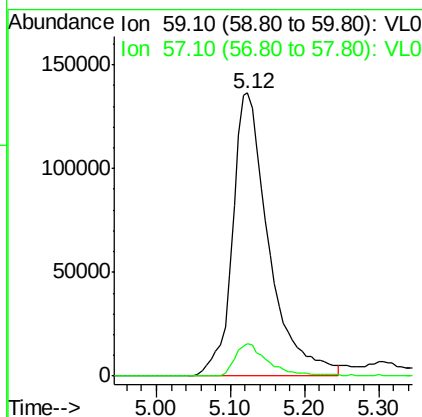
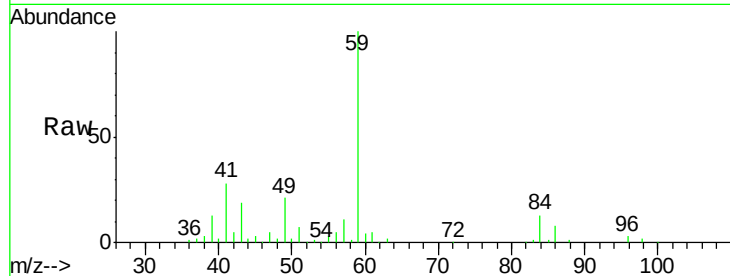
tert-Butyl alcohol
Concen: 11.31 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.03 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	467372
Ion Ratio	100	Lower	Upper
57	11.0	8.7	13.1

Manual Integrations
APPROVED

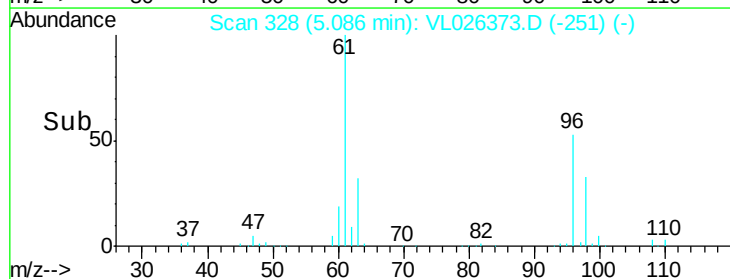
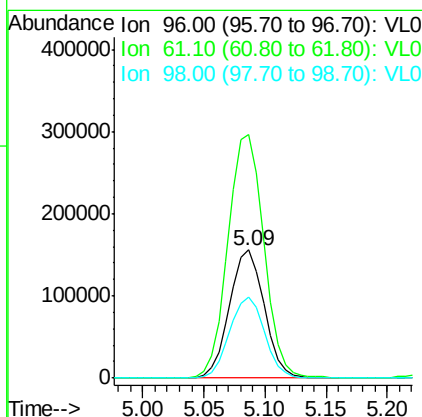
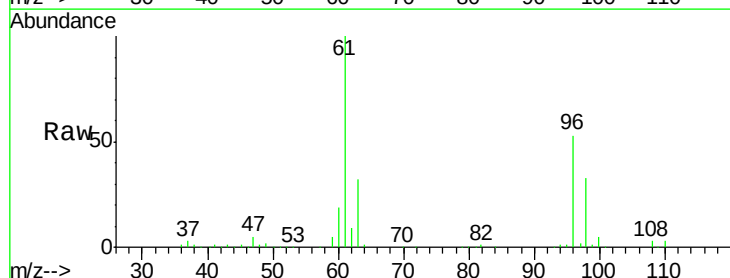
mohammad
11/12/2015 6:51:58 PM

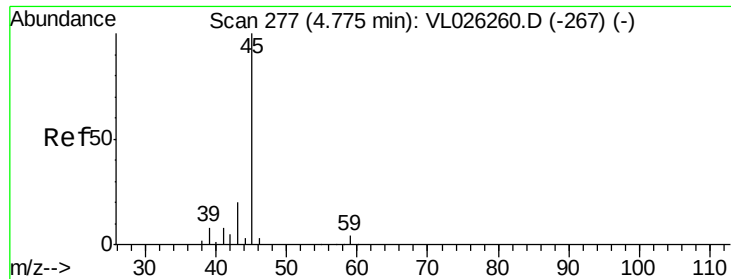


#18

1,1-Dichloroethene
Concen: 11.52 ppbv
RT: 5.09 min Scan# 328
Delta R.T. -0.03 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	96	Resp	307624
Ion Ratio	100	Lower	Upper
61	189.9	147.0	220.4
98	63.6	50.1	75.1





#19

Isopropyl Alcohol

Concen: 8.54 ppbv

RT: 4.75 min Scan# 272

Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 210798

Ion Ratio Lower Upper

45 100

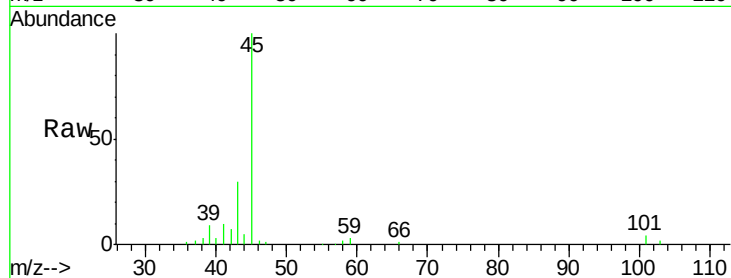
58 2.9 43.8 65.8#

Manual Integrations

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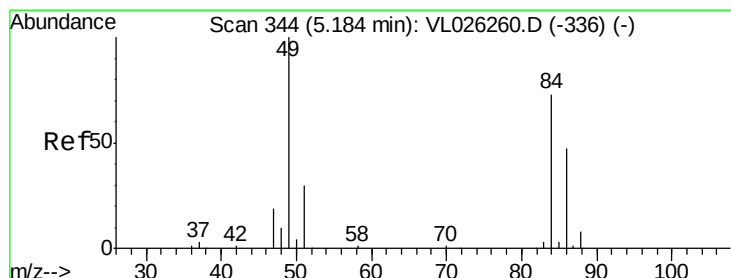
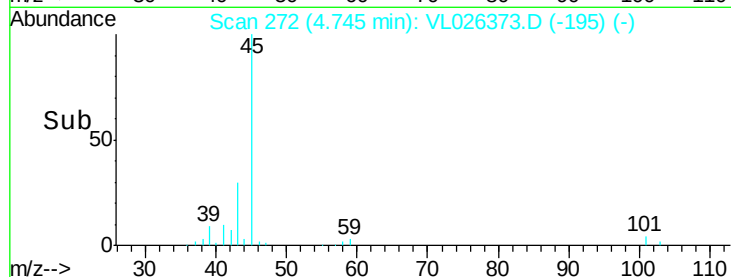
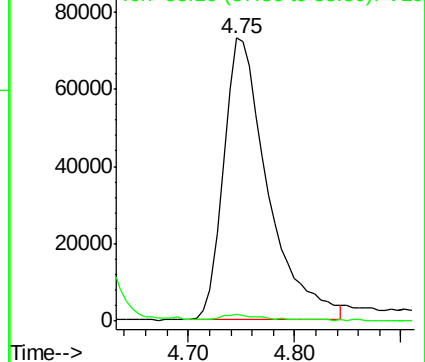
mohammad

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 11.21 ppbv

RT: 5.15 min Scan# 338

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion: 84 Resp: 281155

Ion Ratio Lower Upper

84 100

49 137.3 109.0 163.4

51 41.5 32.8 49.2

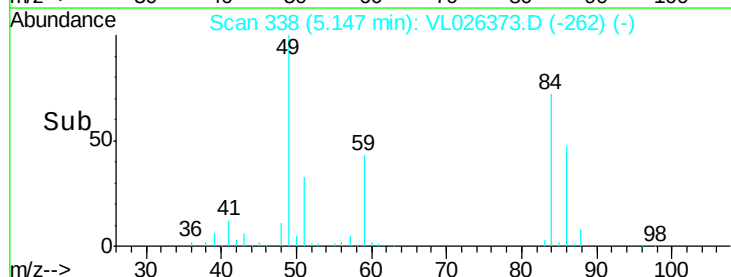
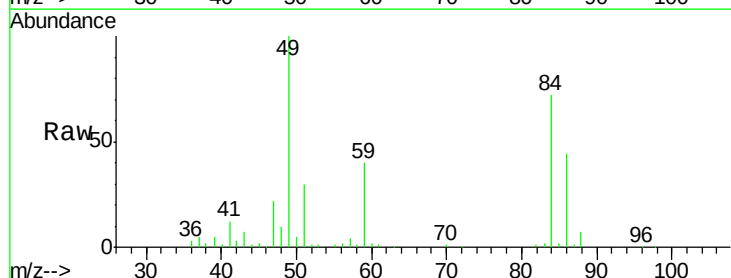
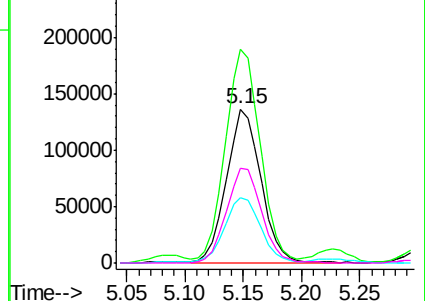
86 61.7 50.8 76.2

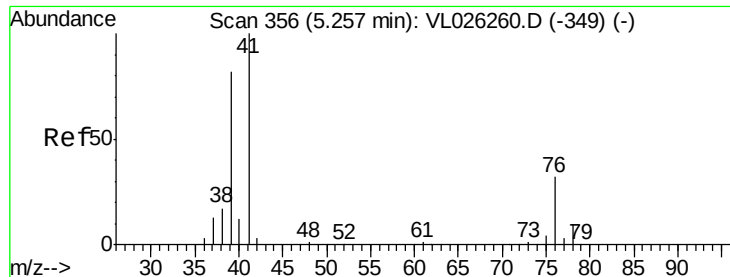
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





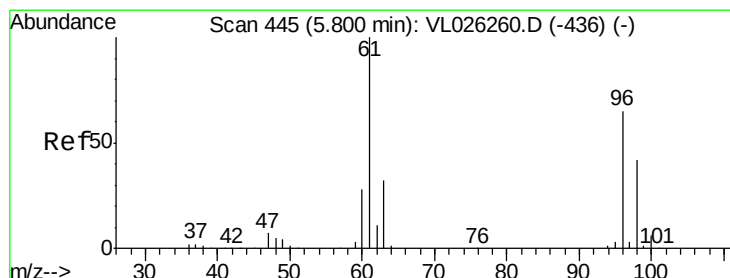
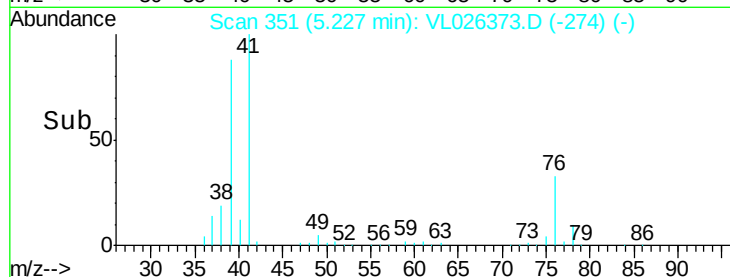
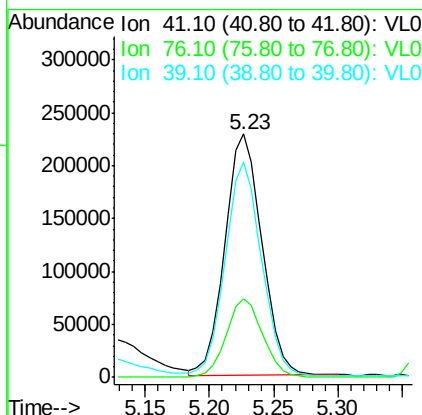
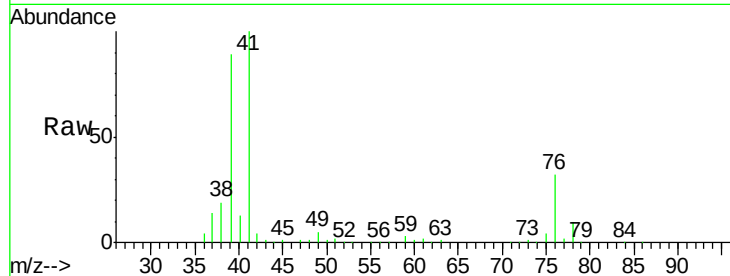
#21
Allvl Chloride
Concen: 11.26 ppbv
RT: 5.23 min Scan# 351
Delta R.T. -0.03 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.9	38.9
39	88.6	65.8	98.6

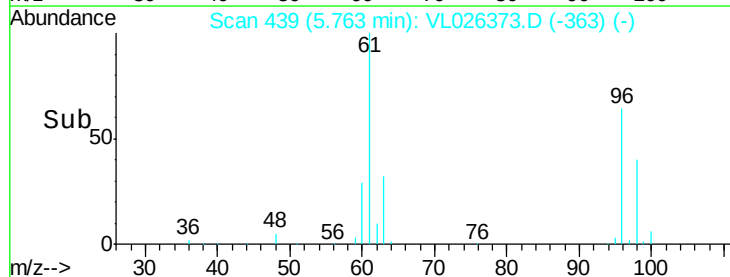
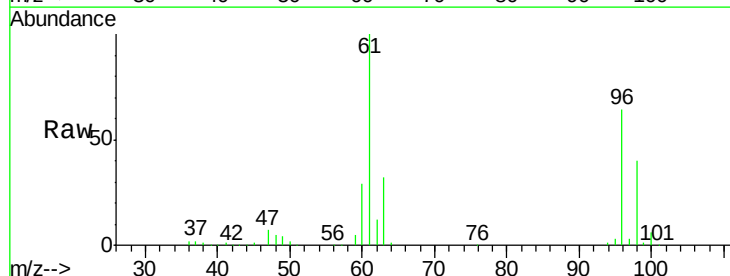
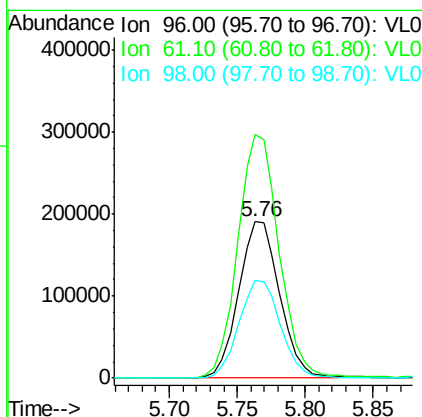
Manual Integrations
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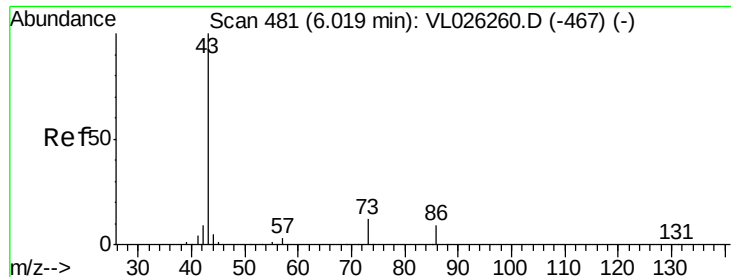
mohammad
11/12/2015 6:51:58 PM



#22
trans-1,2-Dichloroethene
Concen: 11.29 ppbv
RT: 5.76 min Scan# 439
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	123.2	184.8
98	62.3	51.4	77.0





#23

Vinyl Acetate

Concen: 11.69 ppbv

RT: 5.98 min Scan# 475

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1296959

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9

42 10.2 7.2 10.8

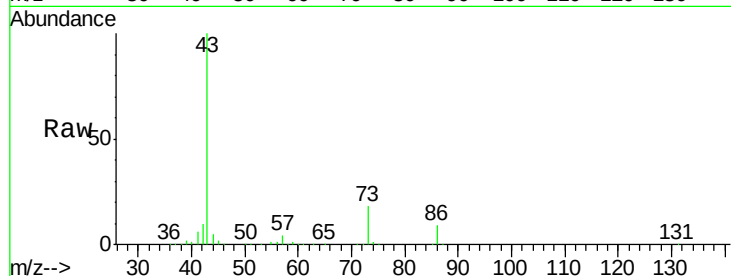
44 4.9 3.8 5.8

Manual Integrations

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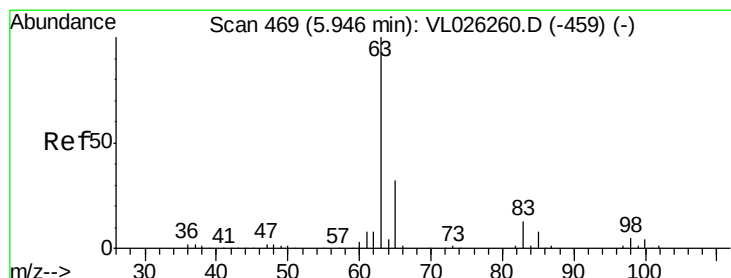
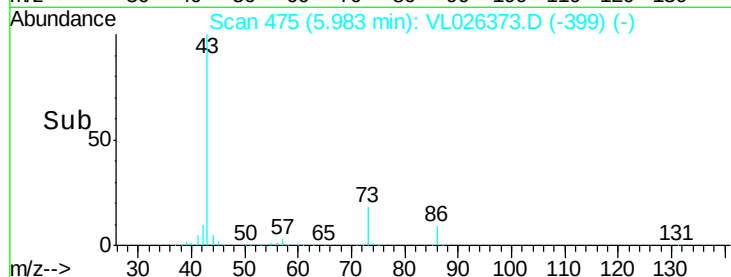
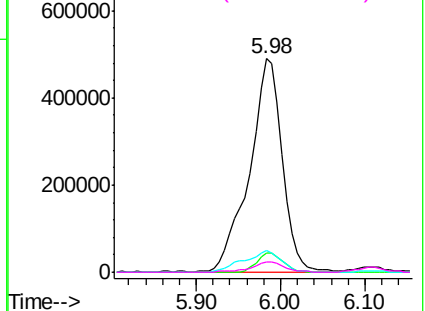


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.32 ppbv

RT: 5.91 min Scan# 463

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

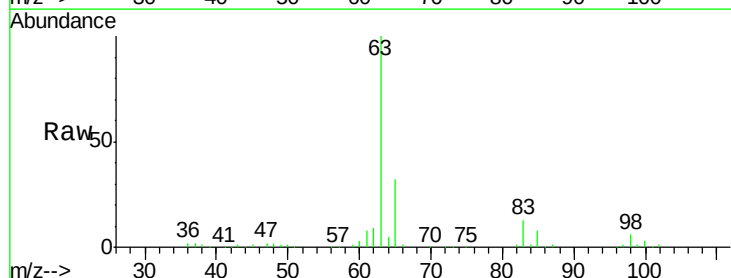
Tgt Ion: 63 Resp: 863244

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

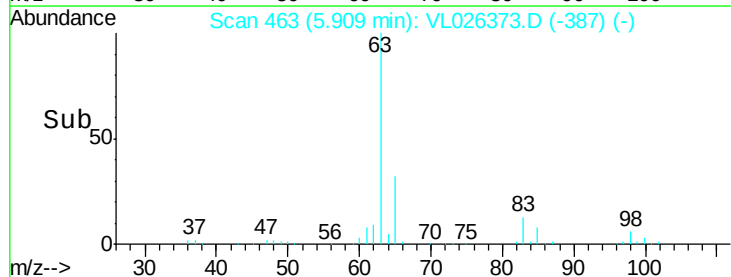
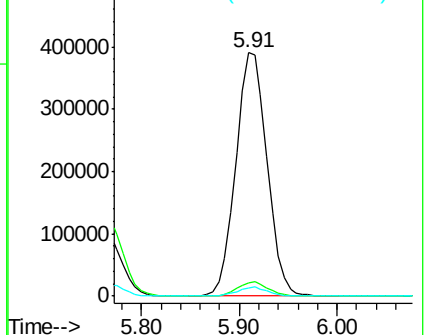
100 3.5 1.9 5.7

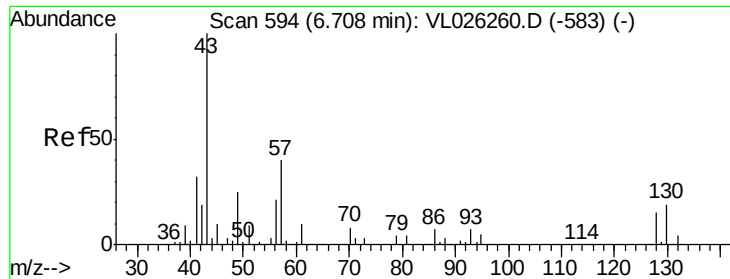


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





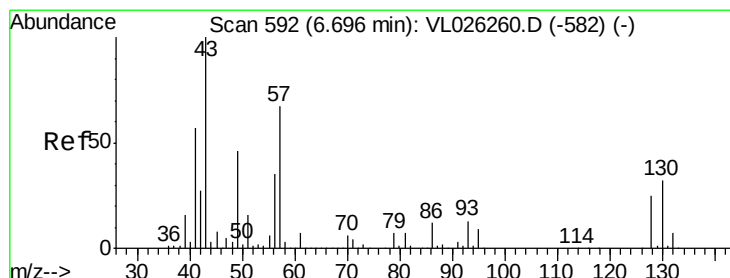
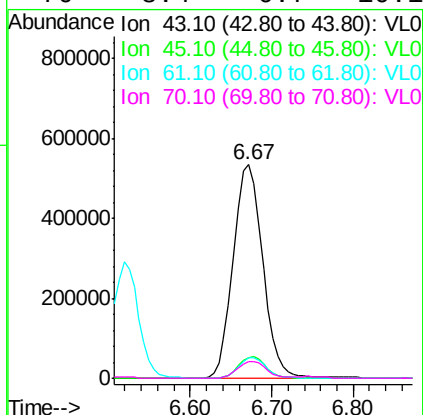
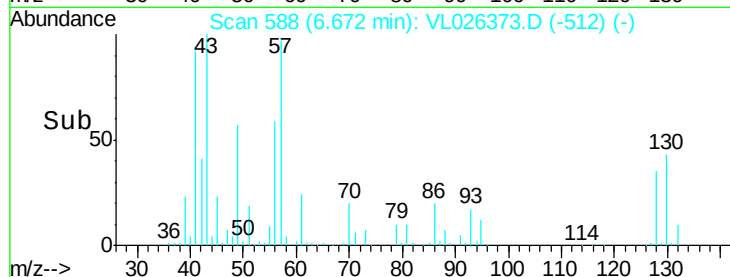
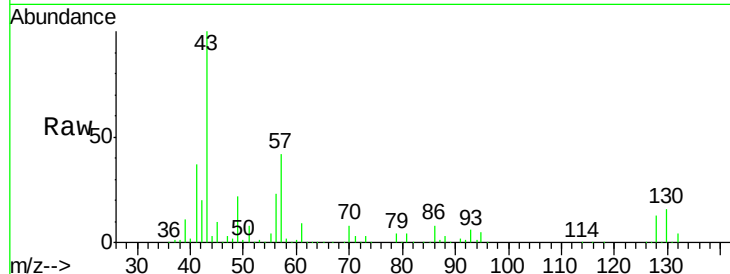
#25
Ethyl Acetate
Concen: 11.16 ppbv
RT: 6.67 min Scan# 588
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	1338806
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.6	11.4
61	9.3	7.4	11.2
70	8.4	6.7	10.1

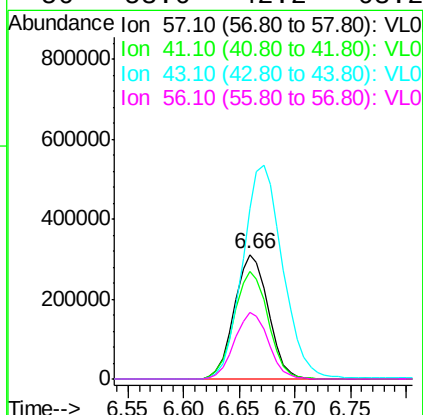
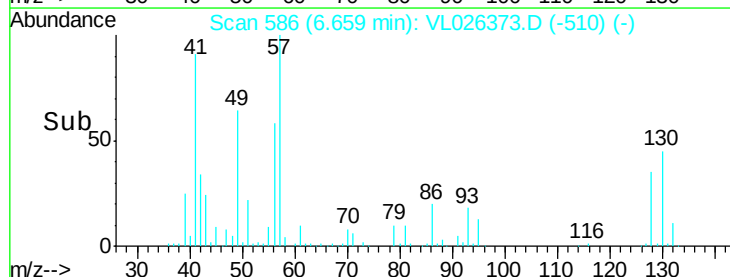
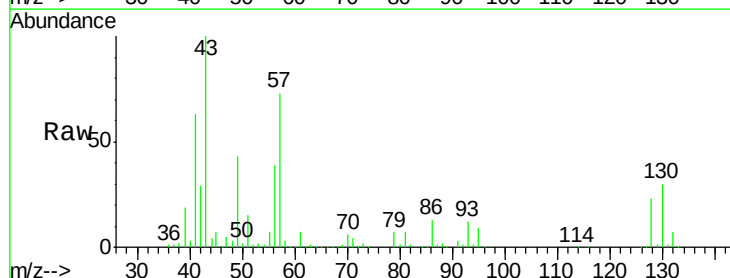
Manual Integrations
APPROVED

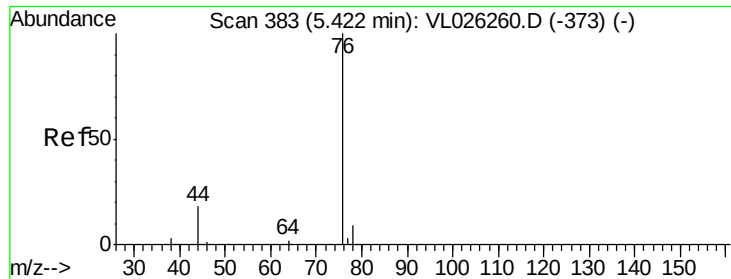
mohammad
11/12/2015 6:51:58 PM



#26
Hexane
Concen: 11.17 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	57	Resp	656444
Ion	Ratio	Lower	Upper
57	100		
41	87.9	67.4	101.2
43	205.7	163.9	245.9
56	53.6	42.2	63.2





#27

Carbon Disulfide

Concen: 12.10 ppbv

RT: 5.39 min Scan# 378

Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

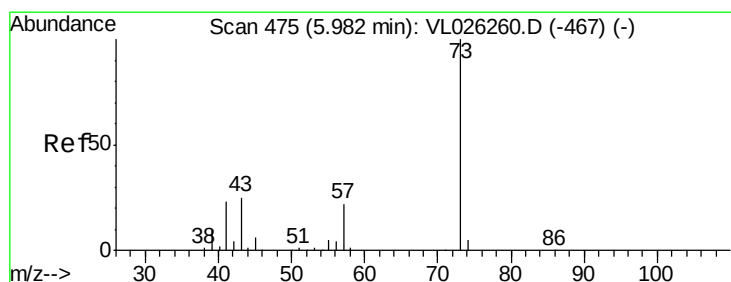
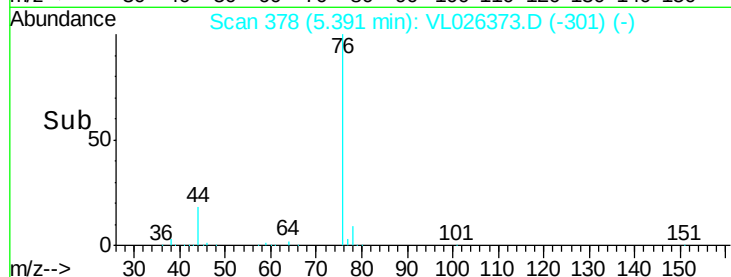
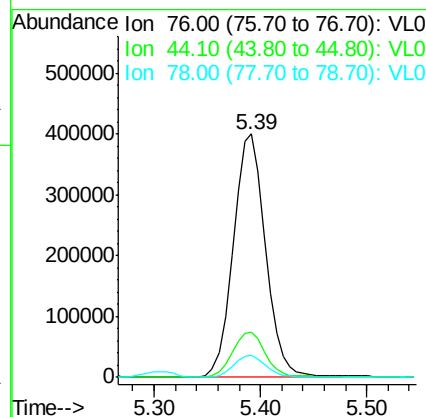
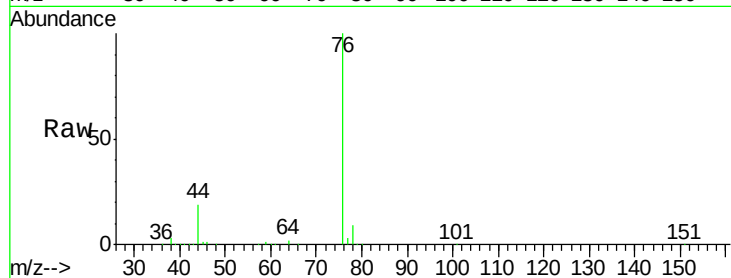
ClientSampleId :

VSTDCCC010EC

Tot Ion:	76	Resp:	850429
Ion	Ratio	Lower	Upper
76	100		
44	18.7	14.1	21.1
78	9.0	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 11.40 ppbv

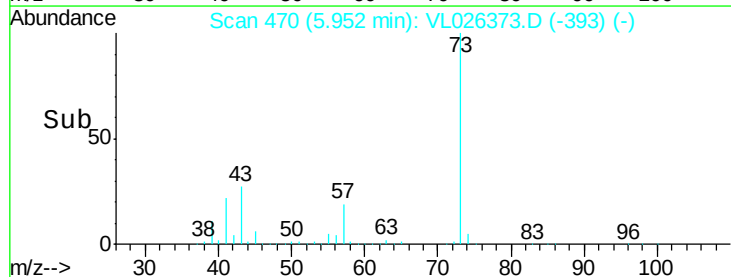
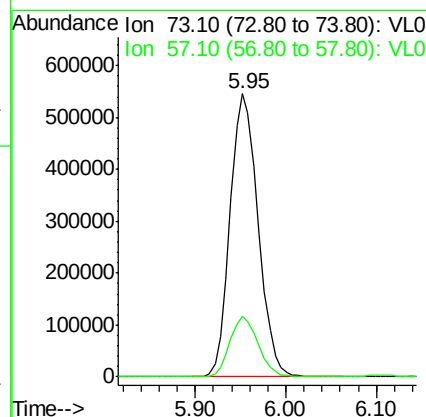
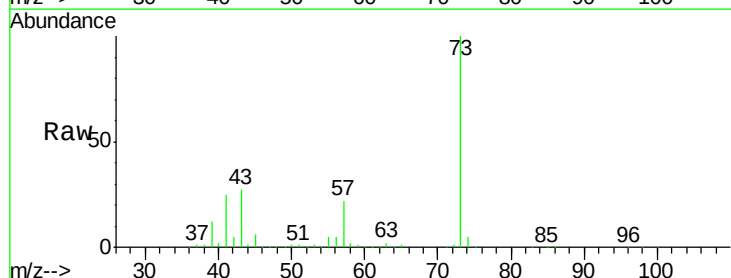
RT: 5.95 min Scan# 470

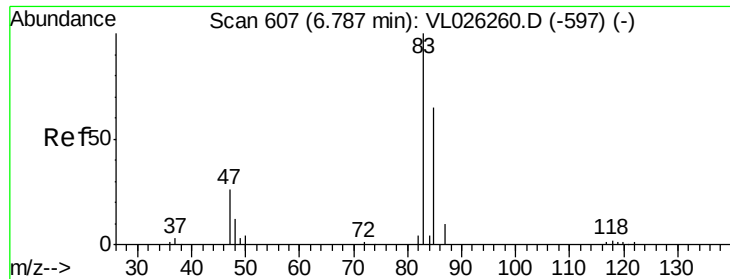
Delta R.T. -0.03 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion:	73	Resp:	1172314
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6





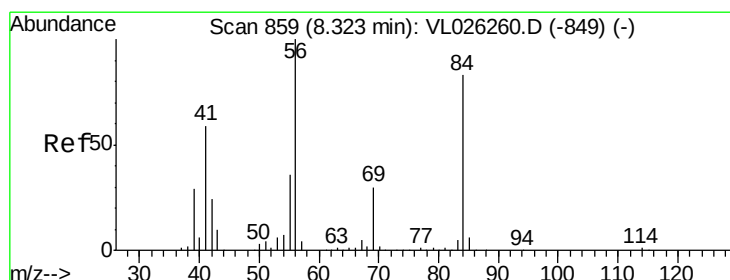
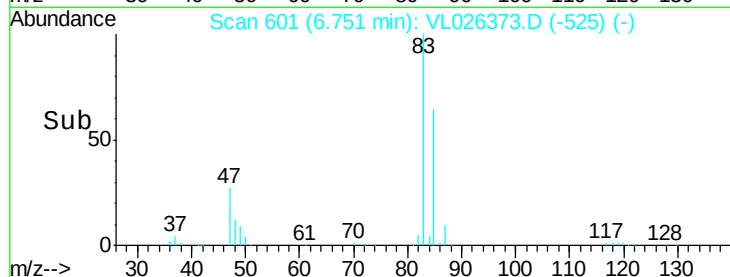
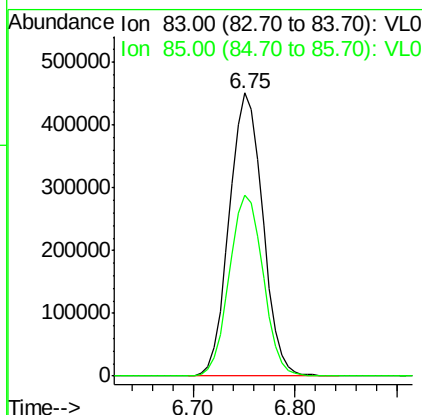
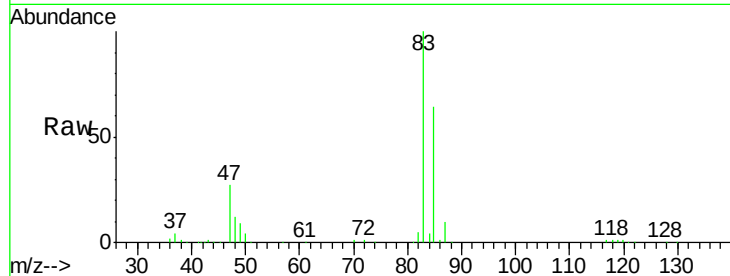
#29
Chloroform
Concen: 11.82 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1029133
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0

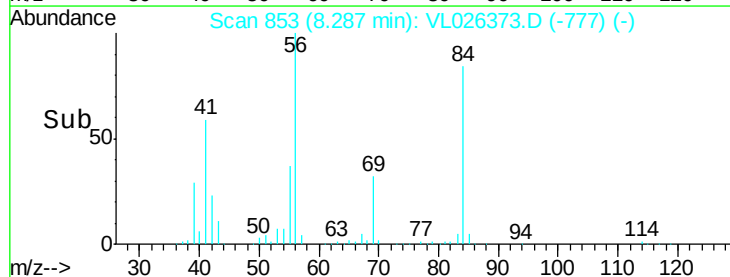
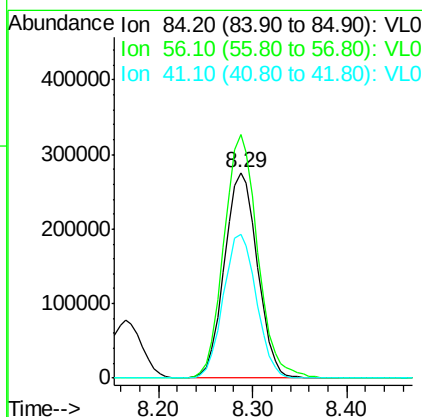
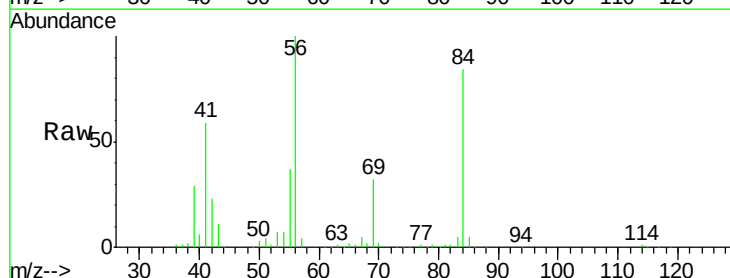
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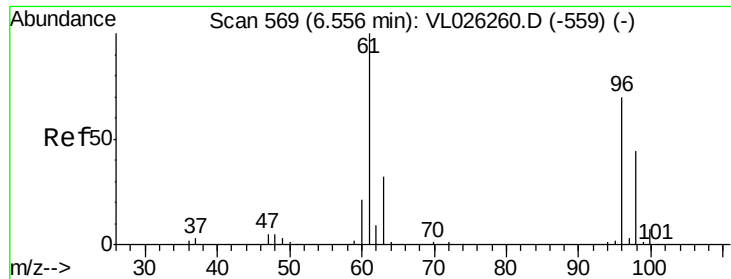
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#30
Cyclohexane
Concen: 11.57 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 84 Resp: 667427
Ion Ratio Lower Upper
84 100
56 121.8 99.6 149.4
41 70.8 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 11.84 ppbv

RT: 6.52 min Scan# 563

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

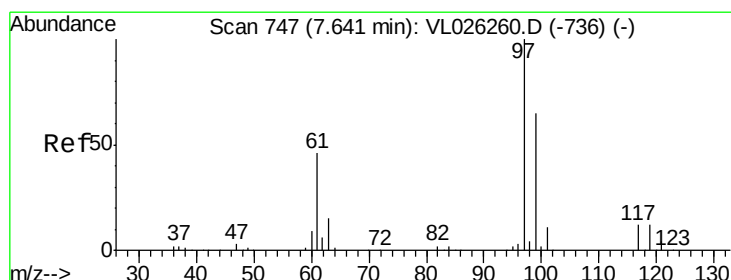
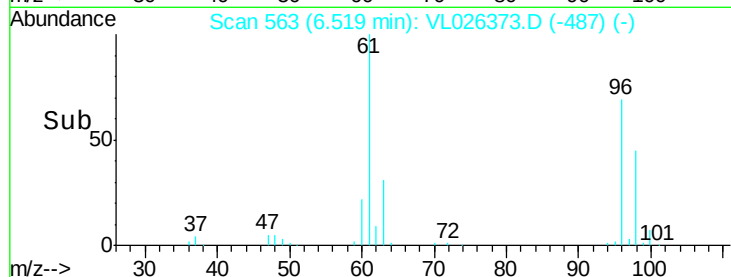
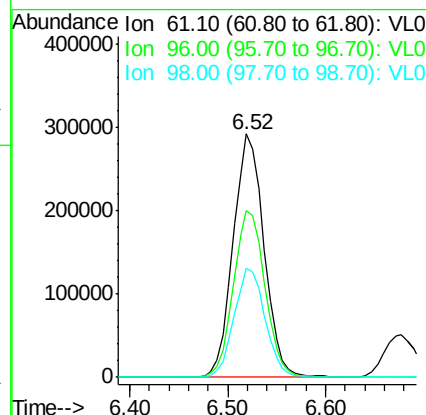
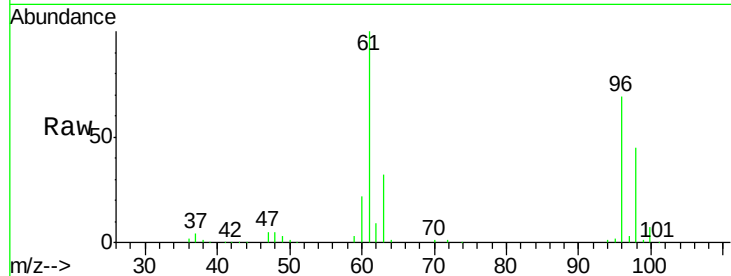
ClientSampleId :

VSTDCCC010EC

Tot Ion:	61	Resp:	640346
Ion Ratio	Lower	Upper	
61	100		
96	68.5	56.2	84.4
98	44.9	35.4	53.2

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#32

1,1,1-Trichloroethane

Concen: 10.95 ppbv

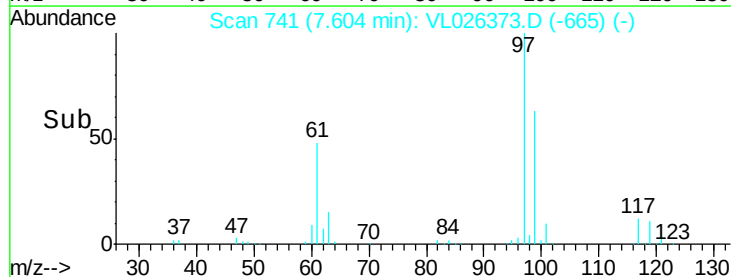
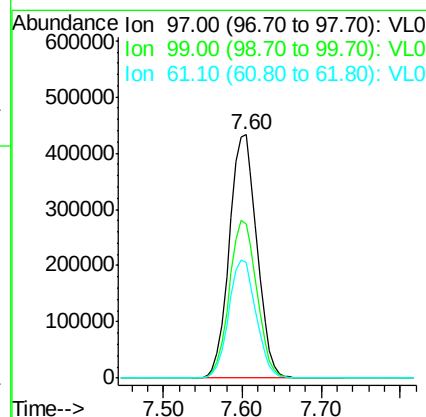
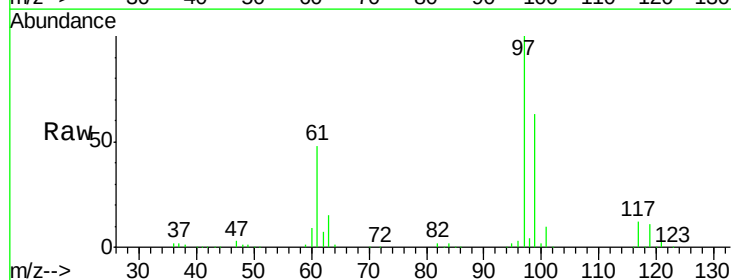
RT: 7.60 min Scan# 741

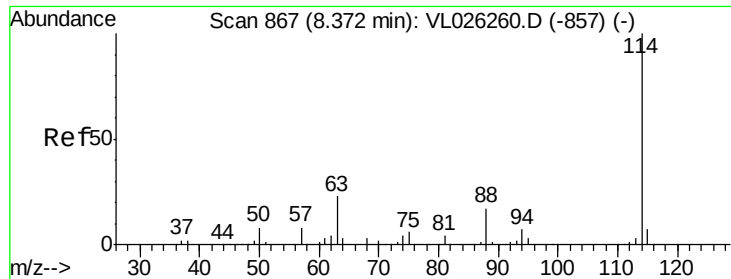
Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion:	97	Resp:	1053918
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.0	76.6
61	48.1	37.1	55.7





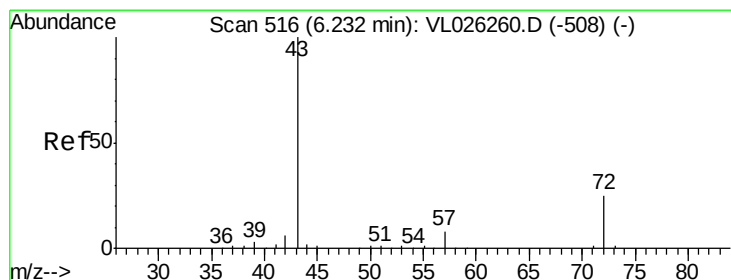
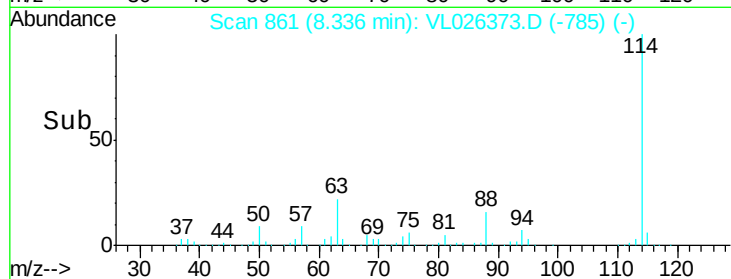
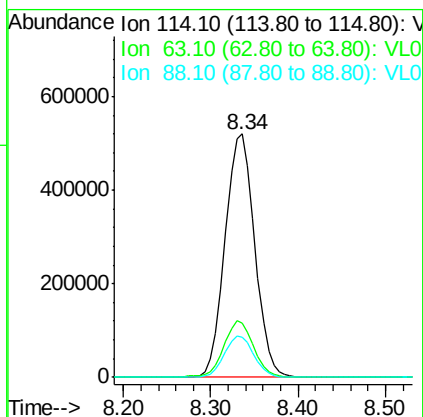
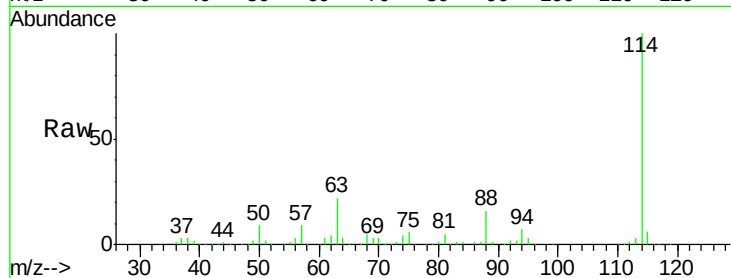
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 1228823
 Ion Ratio Lower Upper
 114 100
 63 23.4 18.6 28.0
 88 16.7 13.4 20.2

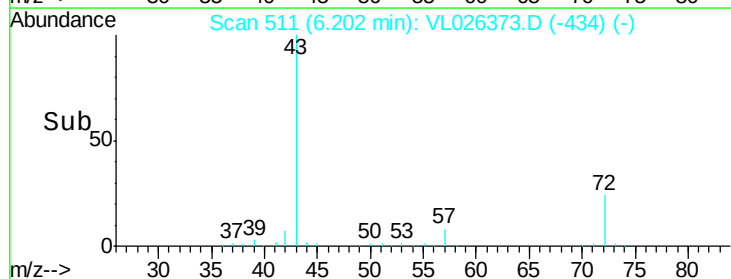
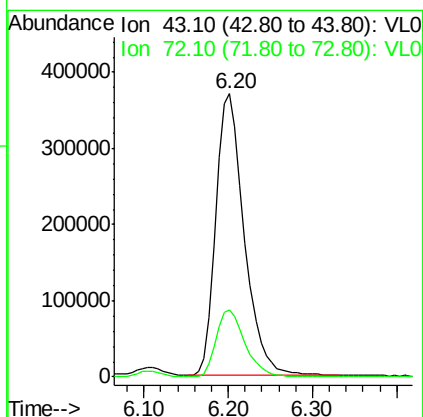
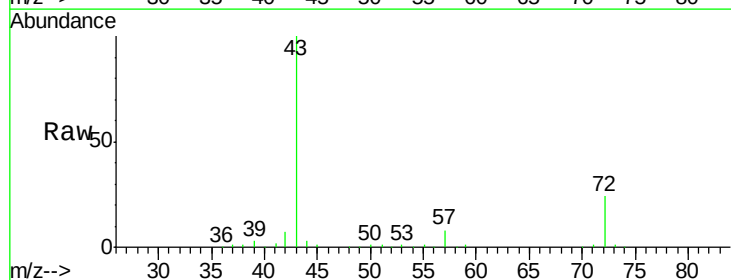
Manual Integrations
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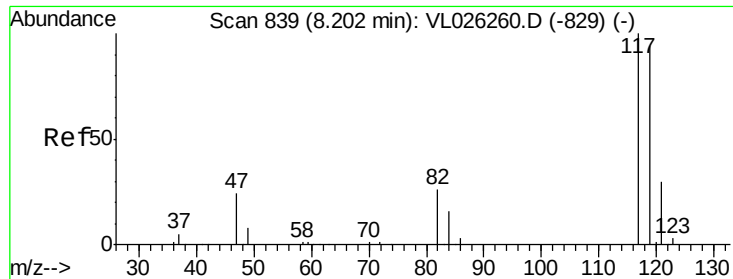
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#34
 2-Butanone
 Concen: 11.56 ppbv
 RT: 6.20 min Scan# 511
 Delta R.T. -0.03 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion: 43 Resp: 857541
 Ion Ratio Lower Upper
 43 100
 72 24.4 19.9 29.9





#35

Carbon Tetrachloride

Concen: 11.98 ppbv

RT: 8.17 min Scan# 833

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1109303

Ion Ratio Lower Upper

117 100

119 95.1 75.2 112.8

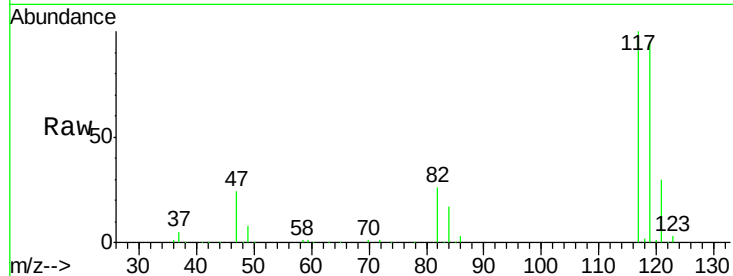
121 29.8 24.2 36.2

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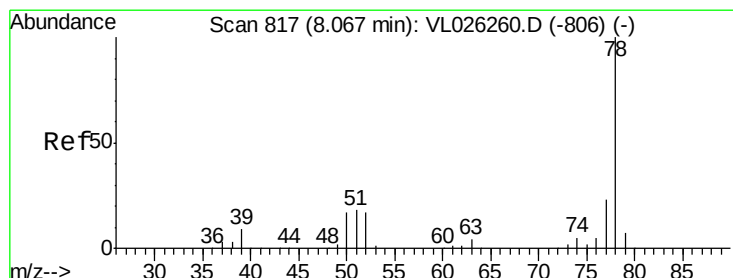
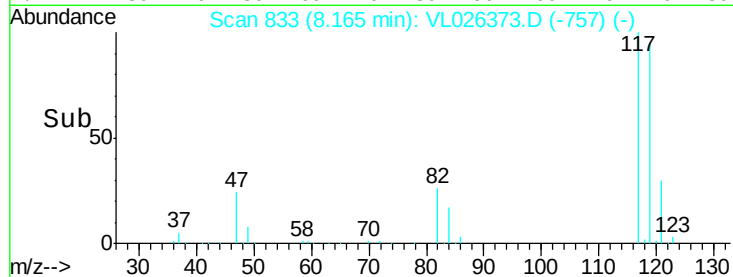
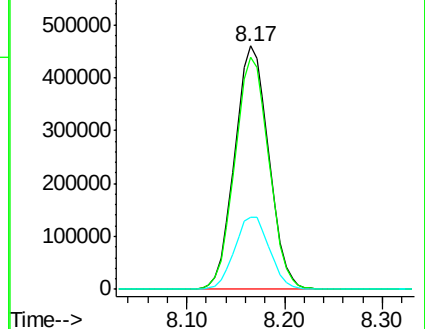
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.63 ppbv

RT: 8.03 min Scan# 811

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

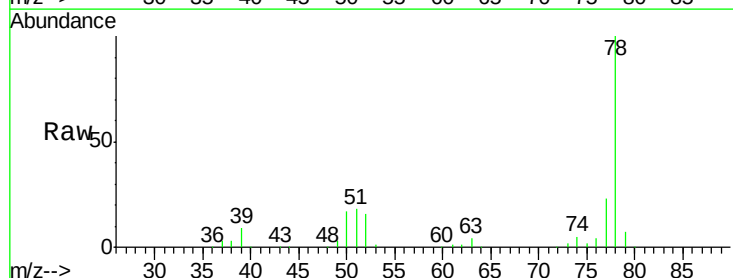
Tgt Ion: 78 Resp: 1512736

Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

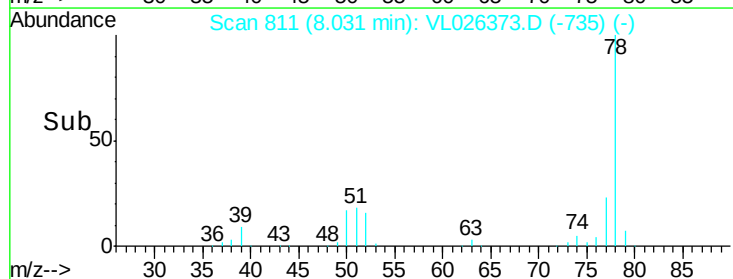
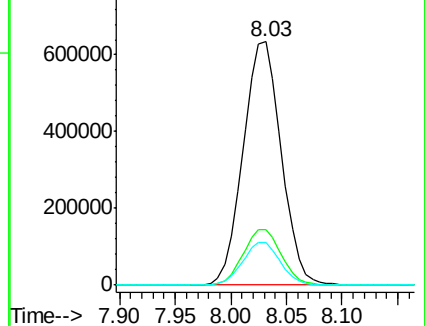
50 17.4 13.3 19.9

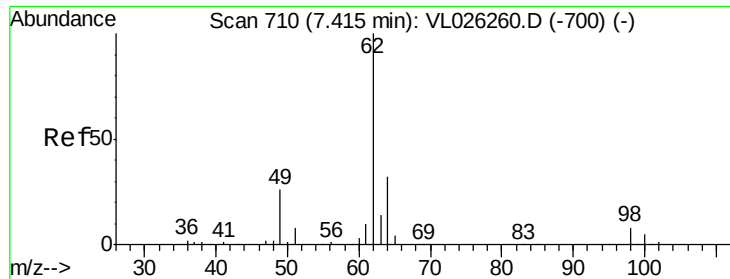


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





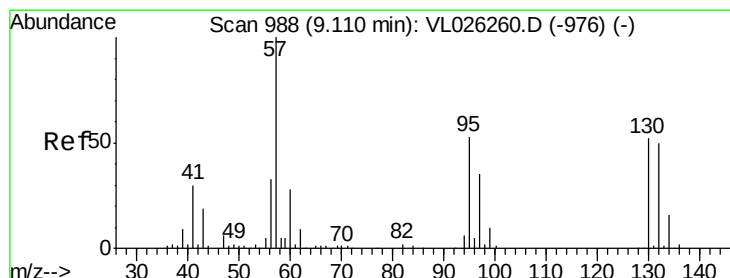
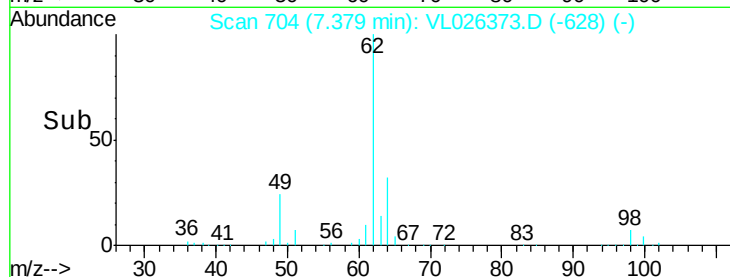
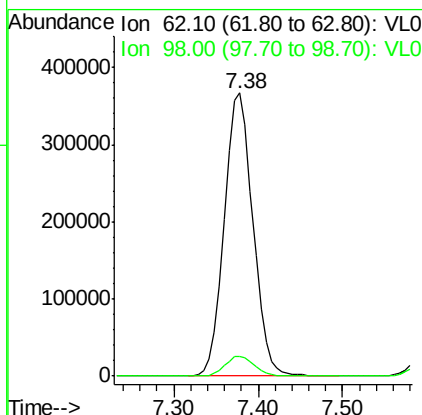
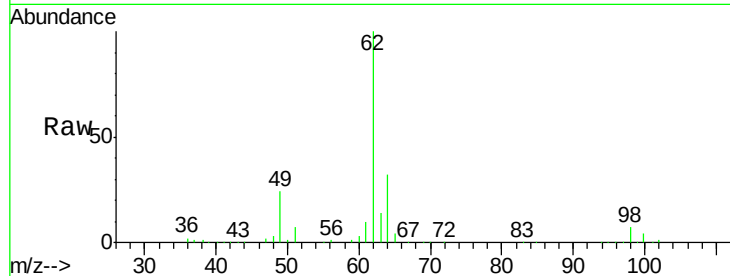
#37
1,2-Dichloroethane
Concen: 12.71 ppbv
RT: 7.38 min Scan# 704
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	6.3	9.5

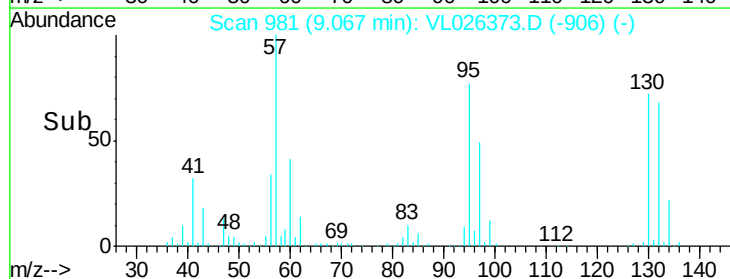
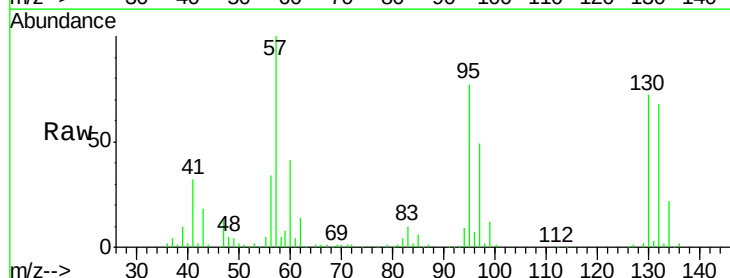
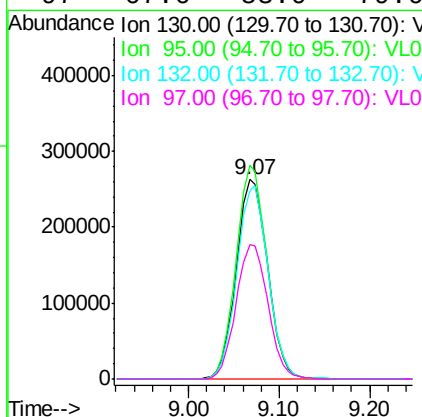
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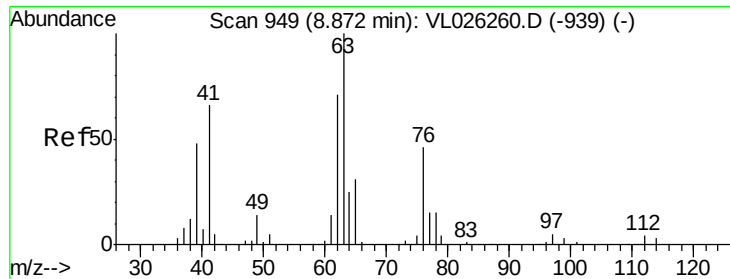
mohammad
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#38
Trichloroethene
Concen: 10.14 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	80.8	121.2
132	94.4	76.2	114.2
97	67.6	53.0	79.6





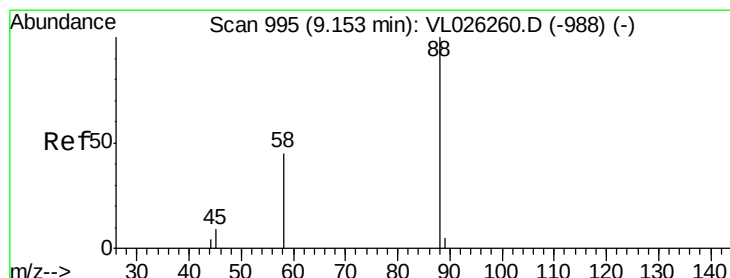
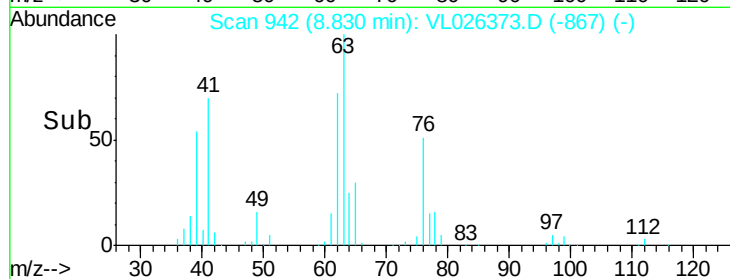
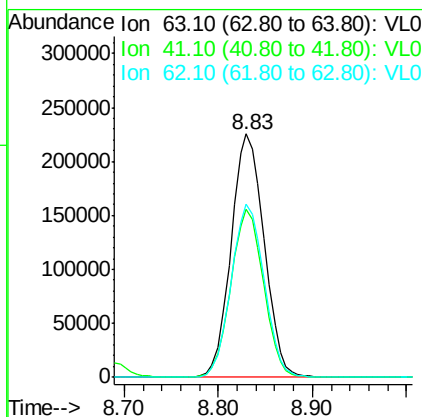
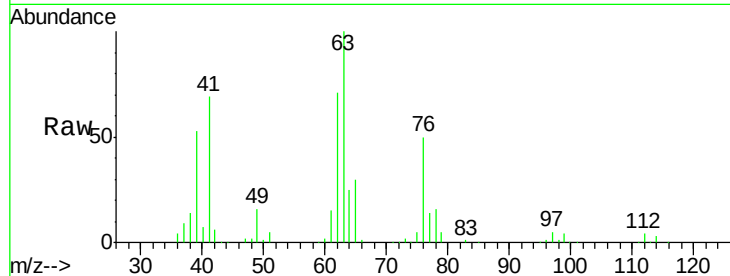
#39
 1,2-Dichloropropane
 Concen: 11.60 ppbv
 RT: 8.83 min Scan# 942
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.7	53.2	79.8
62	71.1	57.1	85.7

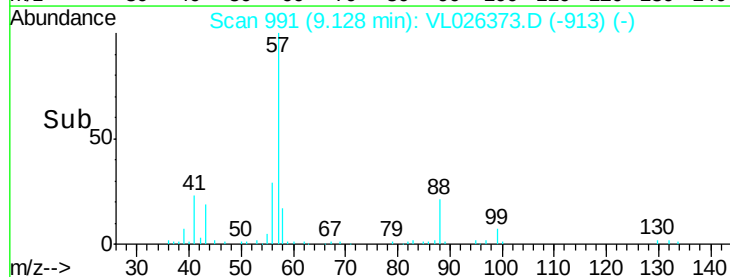
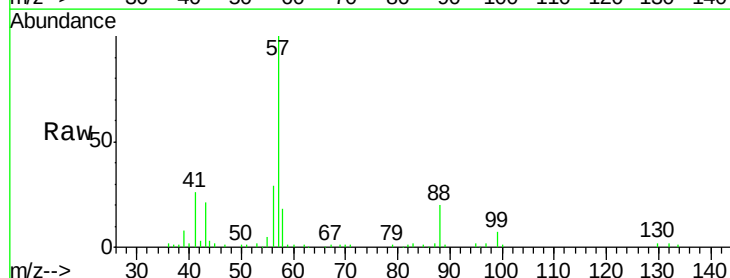
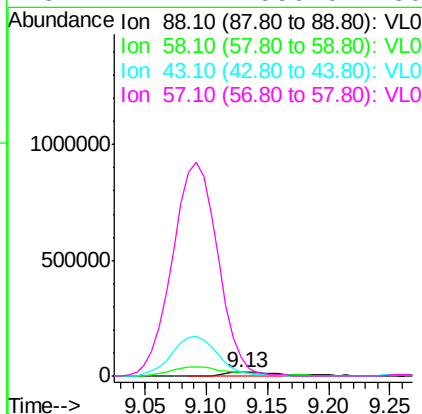
Manual Integrations
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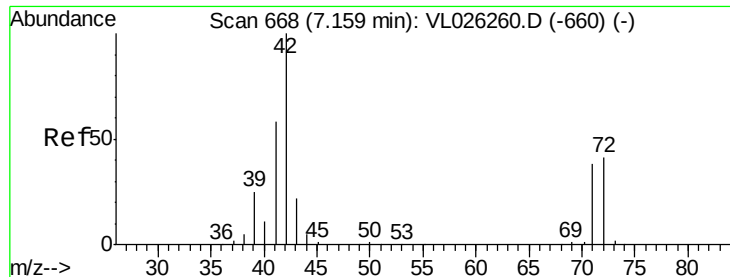
mohammad
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#40
 1,4-Dioxane
 Concen: 6.93 ppbv
 RT: 9.13 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	262.9	126.2	189.2#
43	819.8	307.3	460.9#
57	4271.4	1536.6	2304.8#





#41

Tetrahydrofuran

Concen: 11.65 ppbv

RT: 7.12 min Scan# 662

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

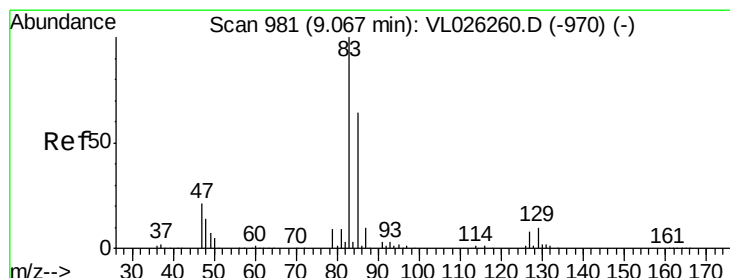
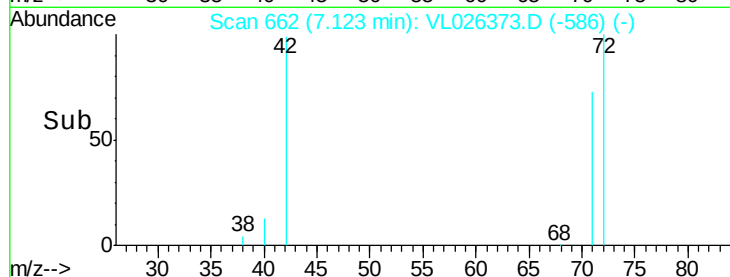
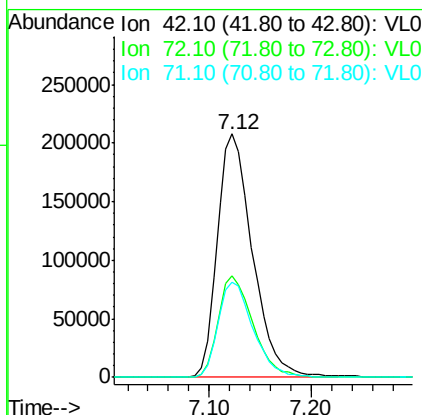
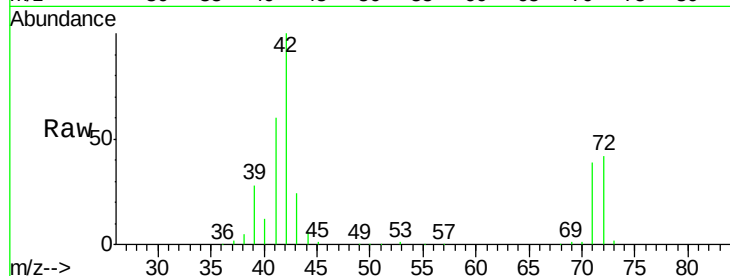
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	499613
Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.2	48.4
71	39.2	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 12.81 ppbv

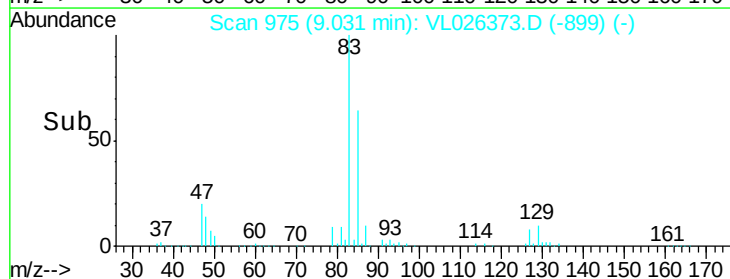
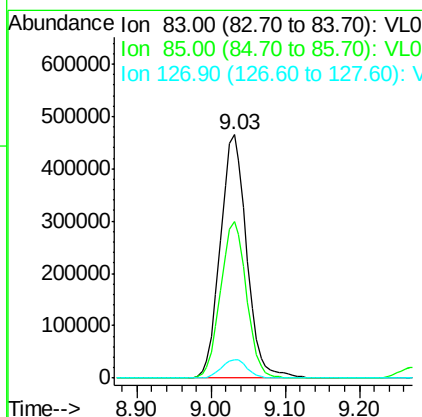
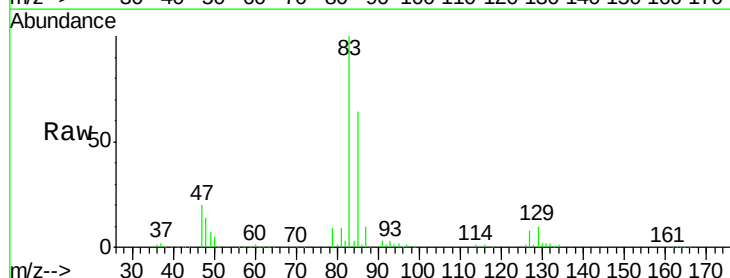
RT: 9.03 min Scan# 975

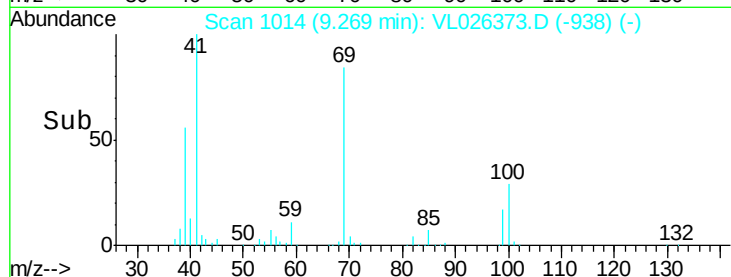
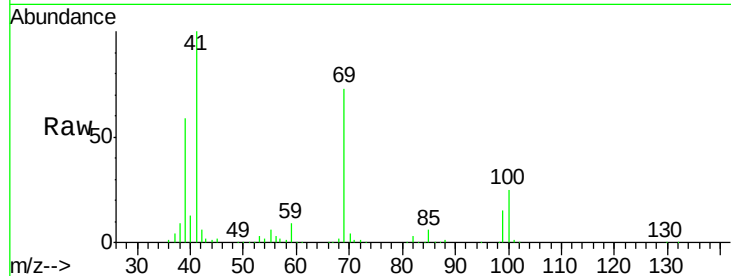
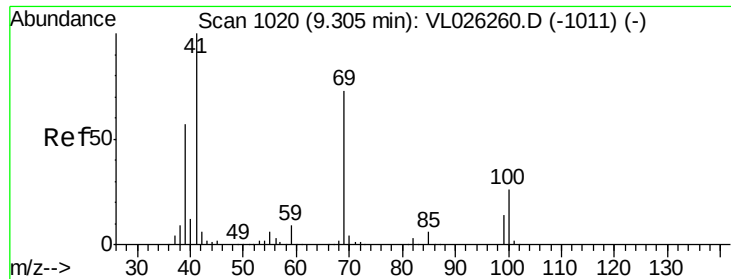
Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion:	83	Resp:	1150304
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	7.7	6.2	9.4





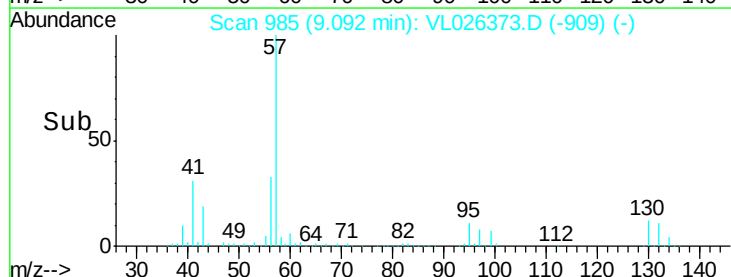
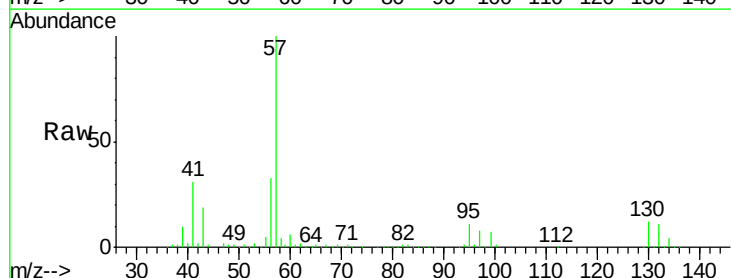
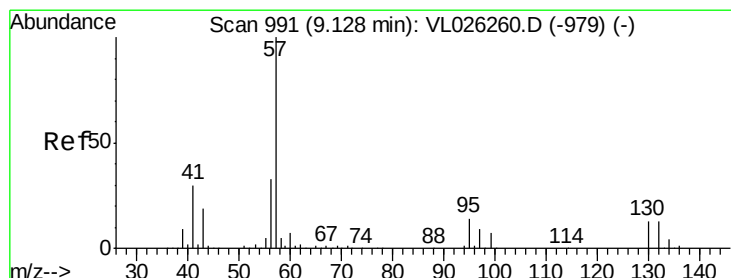
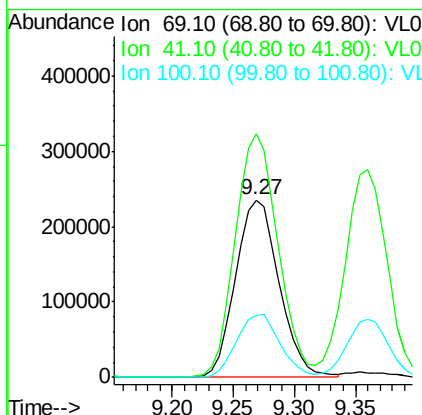
#43
Methyl Methacrylate
Concen: 12.60 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tot Ion	Ratio	Lower	Upper
69	100		
41	134.7	110.0	165.0
100	35.2	28.6	43.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

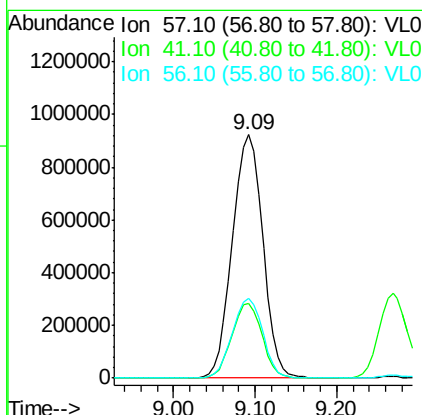
Manual Integrations
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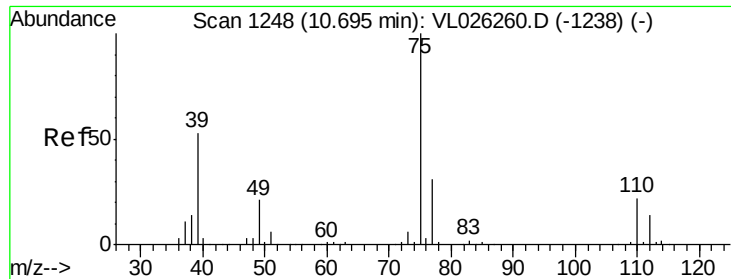
mohammad
11/12/2015 6:51:58 PM



#44
2,2,4-Trimethylpentane
Concen: 11.30 ppbv
RT: 9.09 min Scan# 985
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.2	23.1	34.7
56	32.6	26.3	39.5





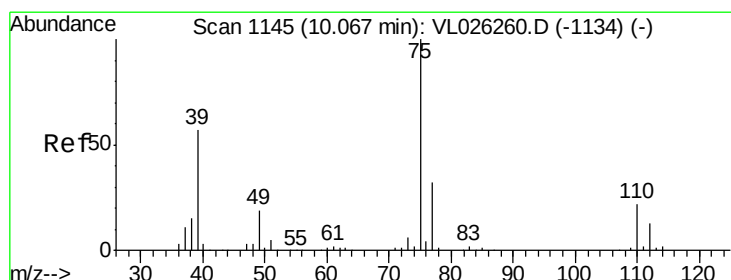
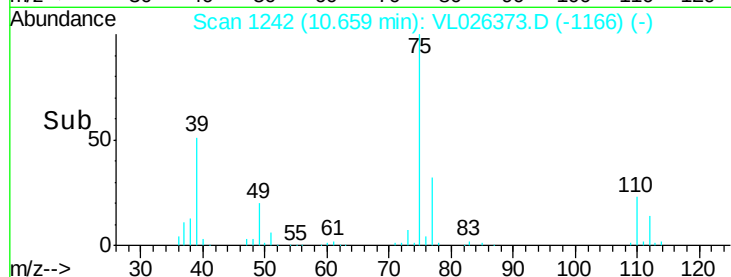
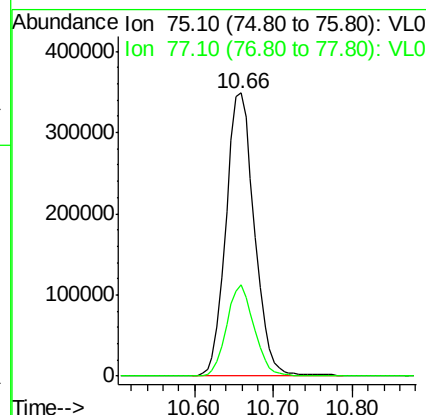
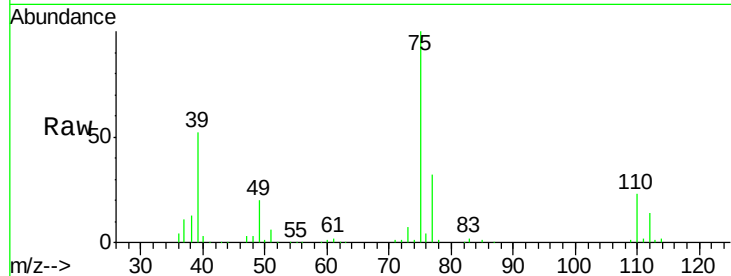
#45
t-1,3-Dichloropropene
Concen: 13.47 ppbv
RT: 10.66 min Scan# 1242
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 877843
Ion Ratio Lower Upper
75 100
77 32.4 24.7 37.1

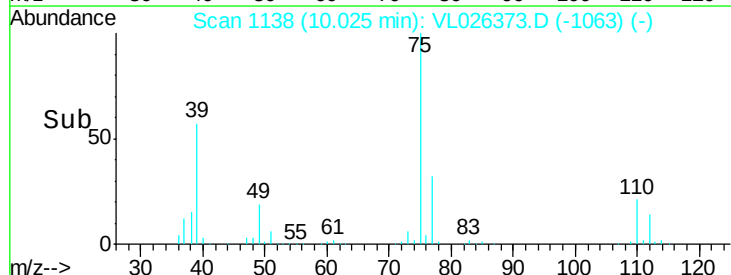
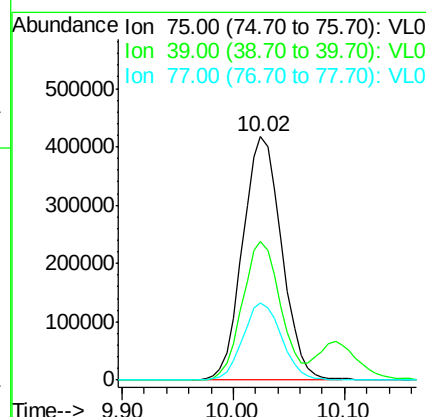
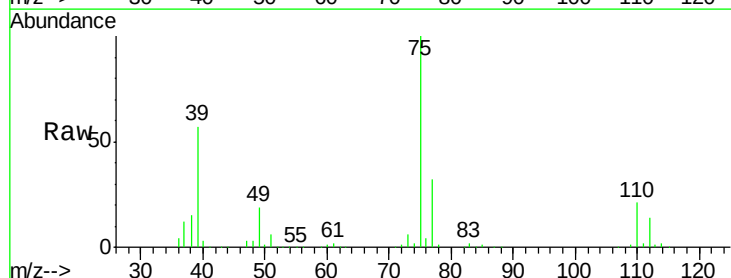
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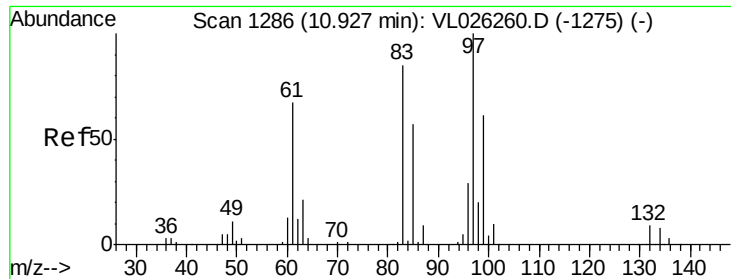
mohammad
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#46
cis-1,3-Dichloropropene
Concen: 12.83 ppbv
RT: 10.02 min Scan# 1138
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 75 Resp: 1016704
Ion Ratio Lower Upper
75 100
39 57.0 45.8 68.8
77 31.6 25.3 37.9





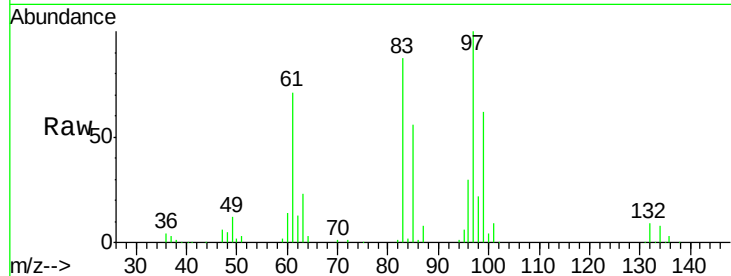
#47
 1,1,2-Trichloroethane
 Concen: 11.74 ppbv
 RT: 10.88 min Scan# 1279
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

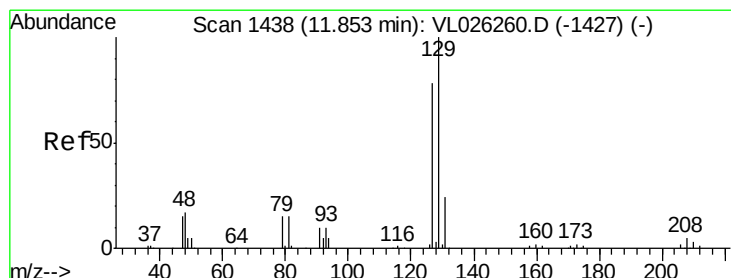
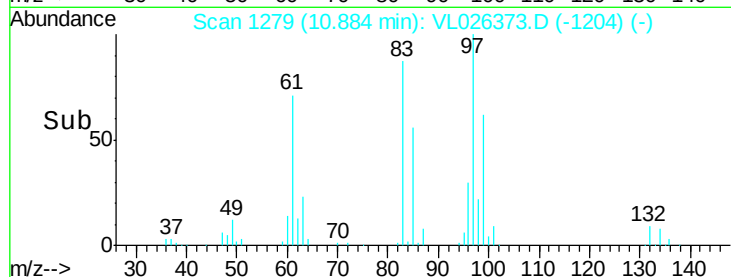
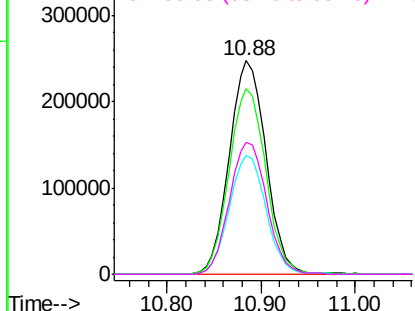
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		672113		
83	86.9	67.9	101.9		
85	55.9	45.2	67.8		
99	61.8	49.0	73.6		

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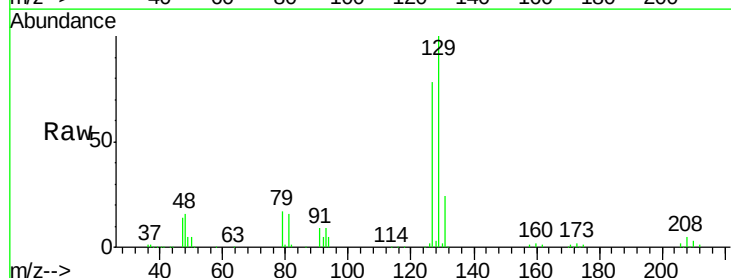


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

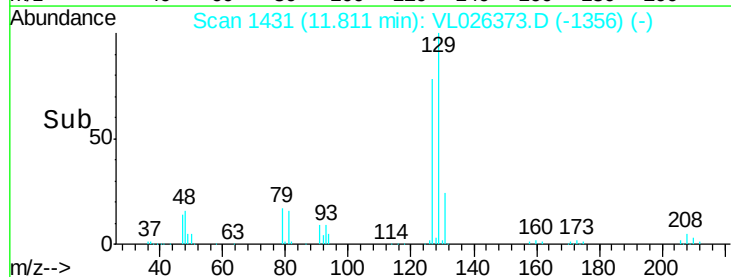
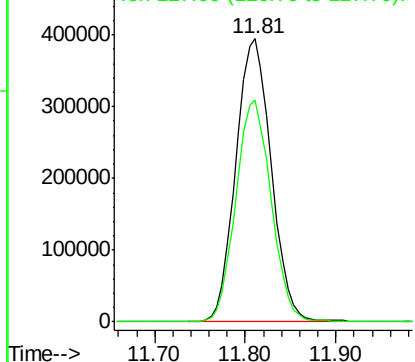


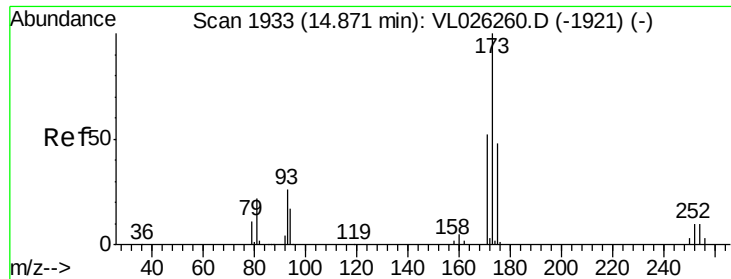
#48
 Dibromochloromethane
 Concen: 13.09 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1071475		
127	78.5	39.1	117.2		



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





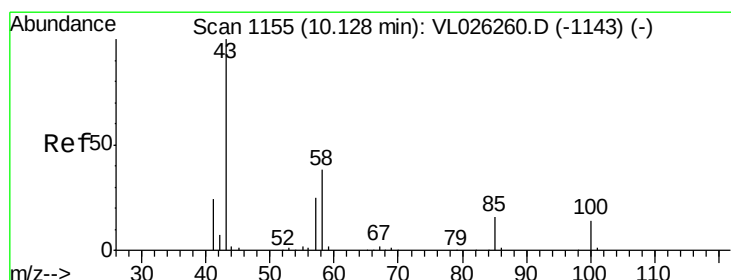
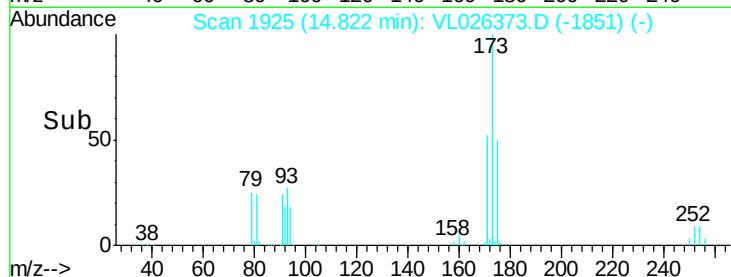
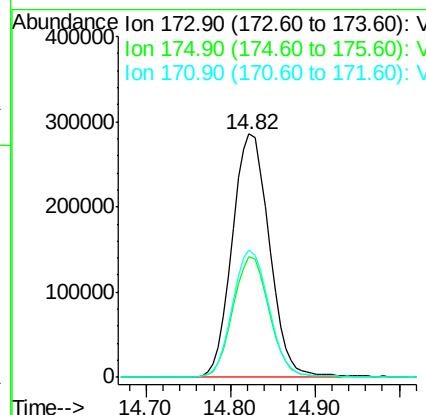
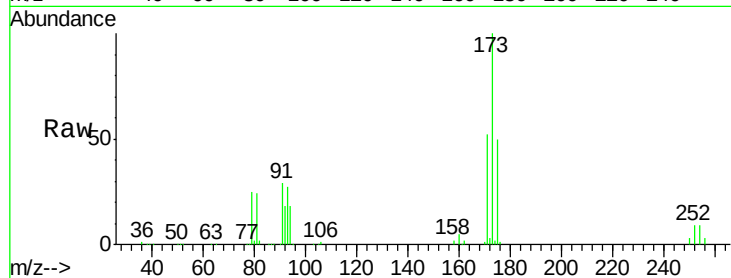
#49
Bromoform
Concen: 13.45 ppbv
RT: 14.82 min Scan# 1925
Delta R.T. -0.05 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.8	58.2
171	52.0	41.7	62.5

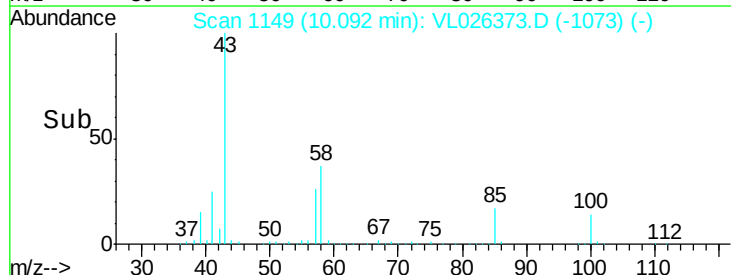
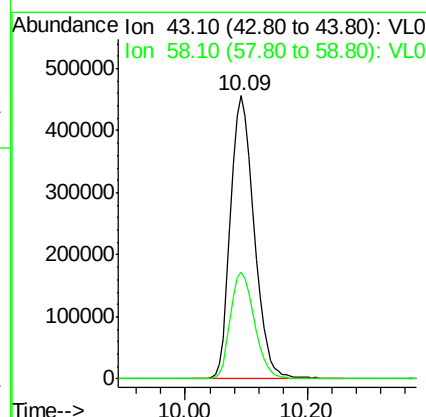
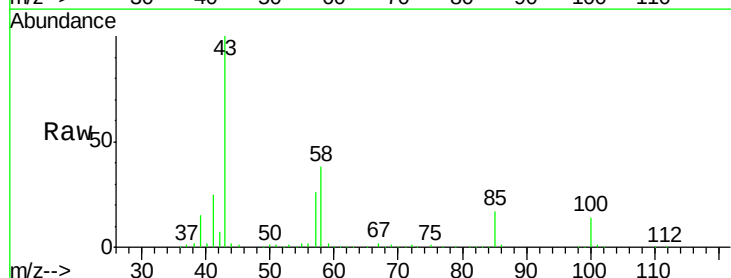
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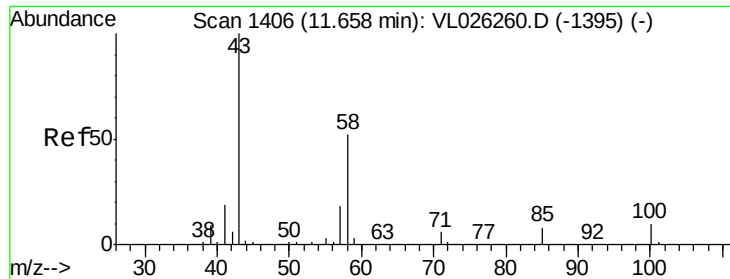
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#50
4-Methyl-2-Pentanone
Concen: 12.18 ppbv
RT: 10.09 min Scan# 1149
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.5	45.7





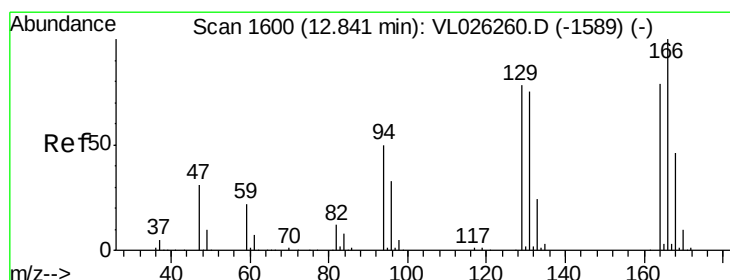
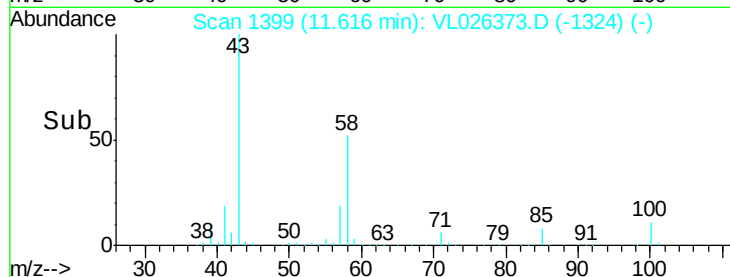
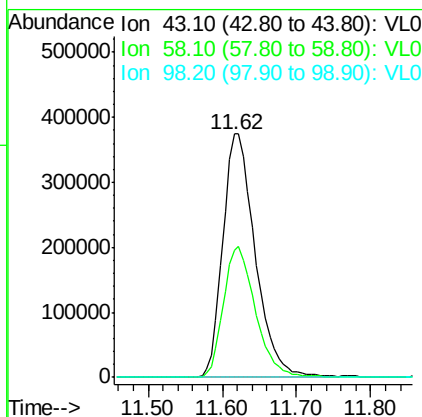
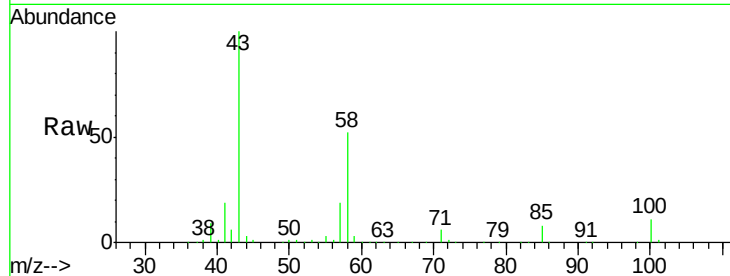
#51
2-Hexanone
Concen: 12.60 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1139289
Ion Ratio Lower Upper
43 100
58 53.2 42.7 64.1
98 0.2 0.0 0.0#

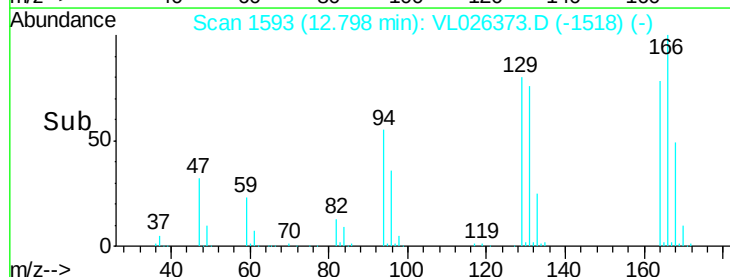
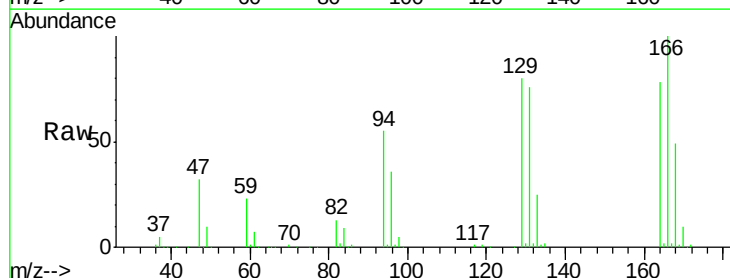
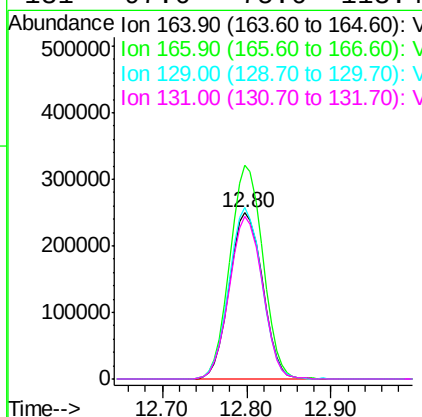
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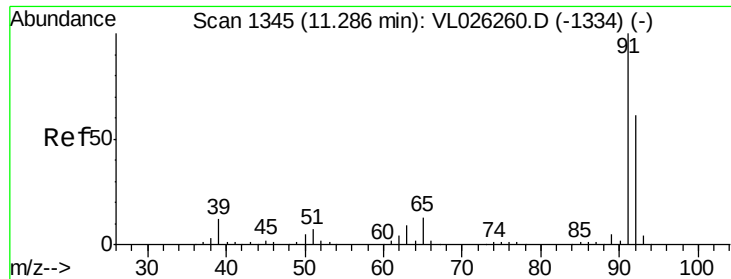
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#52
Tetrachloroethene
Concen: 10.20 ppbv
RT: 12.80 min Scan# 1593
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 164 Resp: 669114
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.0
129 102.9 78.8 118.2
131 97.6 75.6 113.4





#53

Toluene

Concen: 12.30 ppbv

RT: 11.24 min Scan# 1338

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2077615

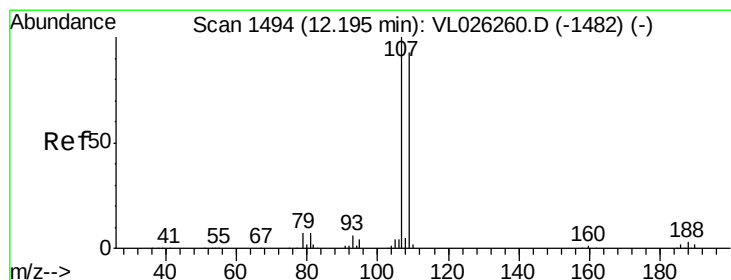
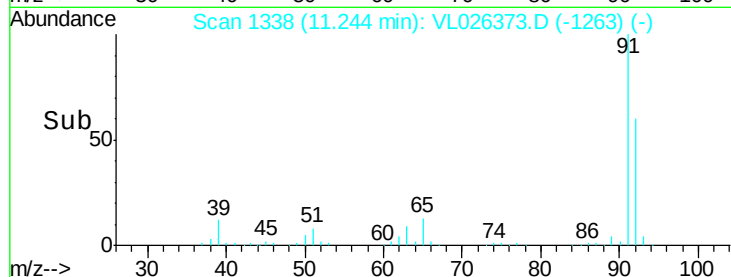
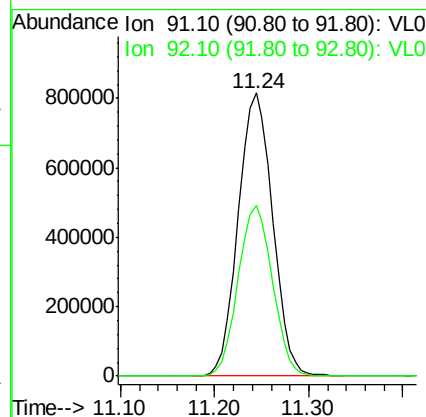
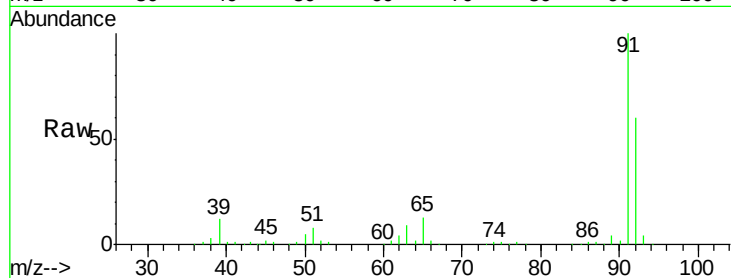
Ion Ratio Lower Upper

91 100

92 60.3 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 12.47 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. -0.04 min

Lab File: VL026373.D

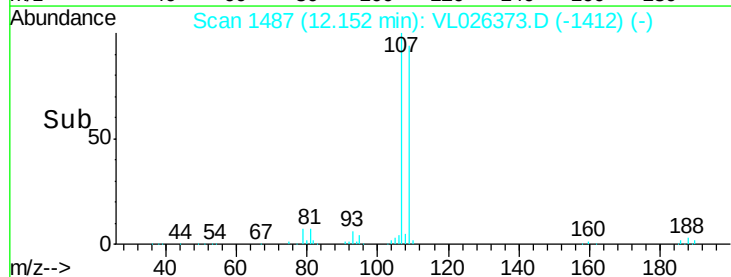
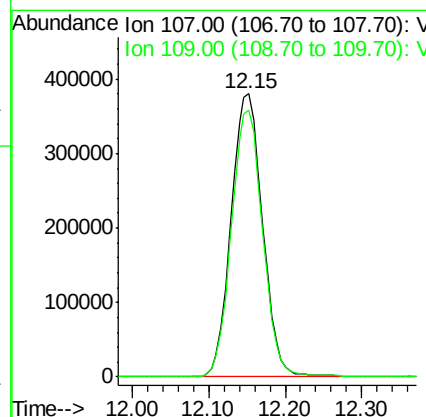
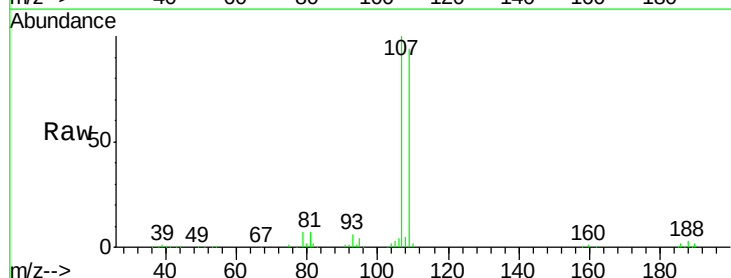
Acq: 11 Nov 2015 20:30

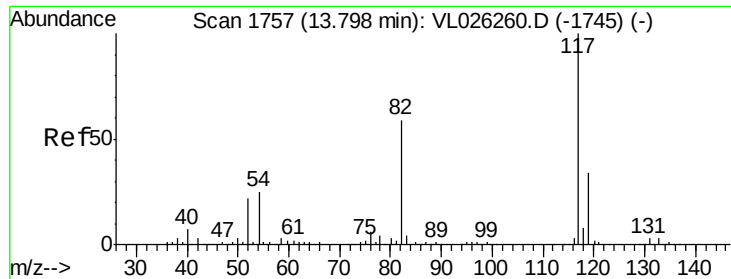
Tgt Ion: 107 Resp: 1080569

Ion Ratio Lower Upper

107 100

109 94.3 74.6 112.0





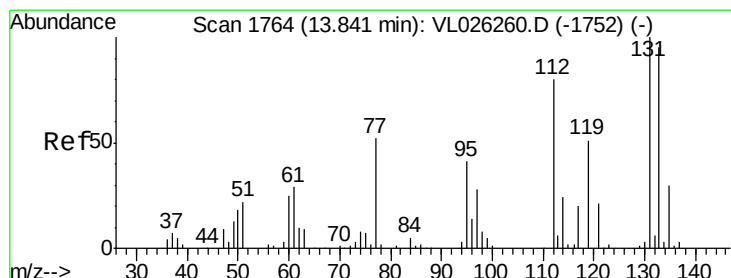
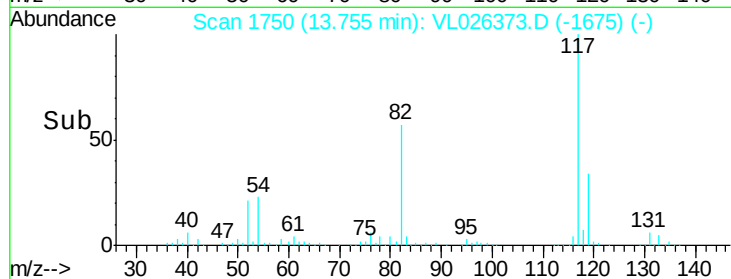
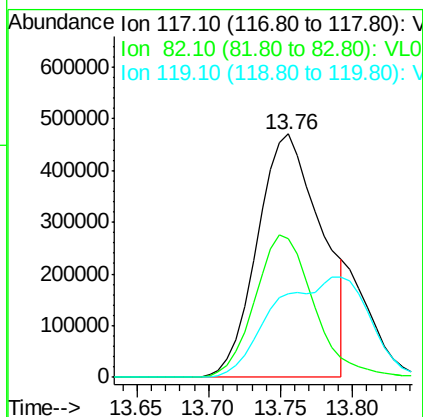
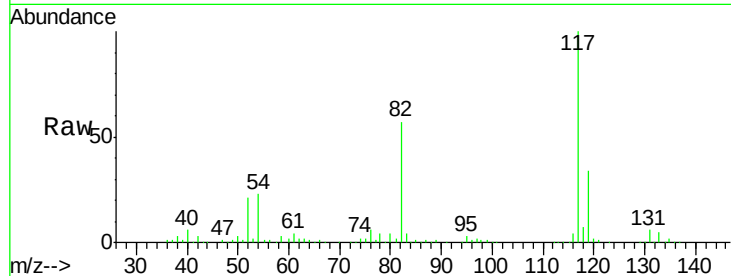
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.76 min Scan# 1750
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 1466887
Ion Ratio Lower Upper
117 100
82 54.2 48.2 72.4
119 62.1 46.2 69.2

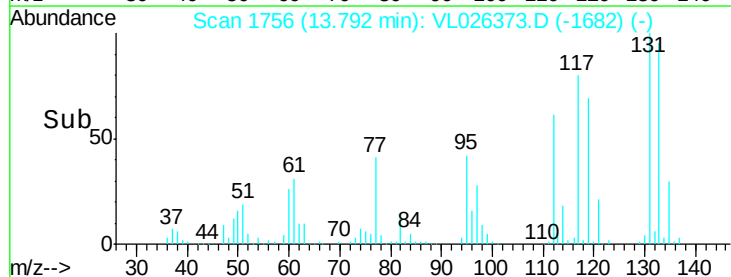
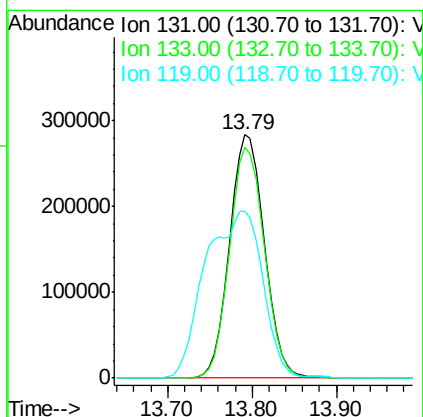
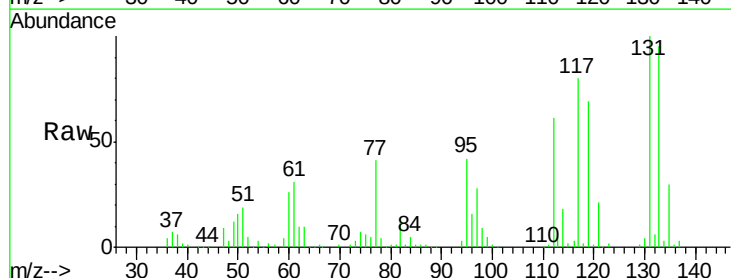
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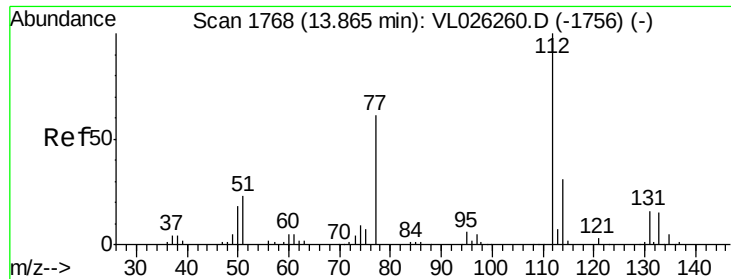
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#56
1,1,1,2-Tetrachloroethane
Concen: 12.39 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.05 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion:131 Resp: 796857
Ion Ratio Lower Upper
131 100
133 95.4 76.1 114.1
119 114.2 111.3 166.9





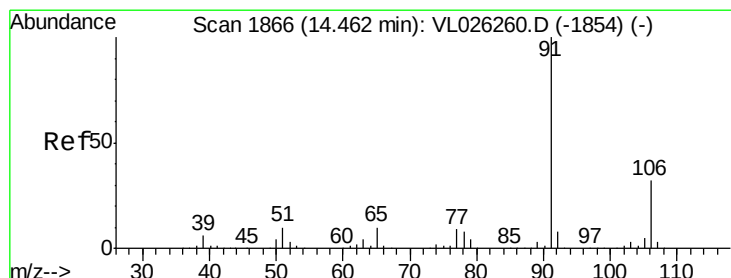
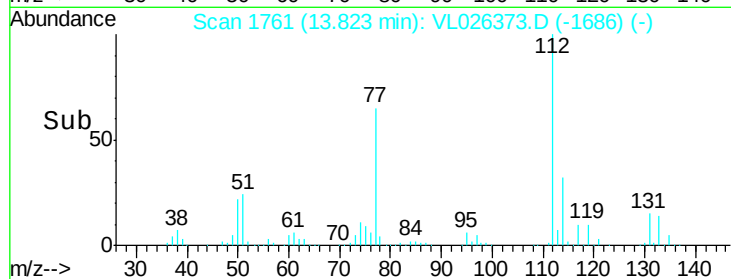
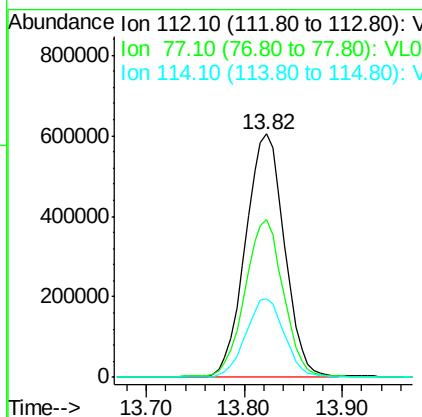
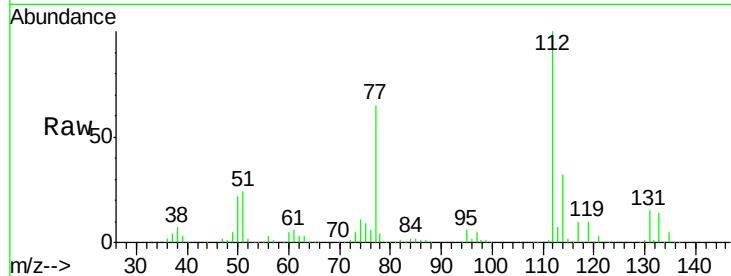
#57
Chlorobenzene
Concen: 11.52 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 112 Resp: 1675957
Ion Ratio Lower Upper
112 100
77 64.1 49.4 74.0
114 32.4 27.8 34.0

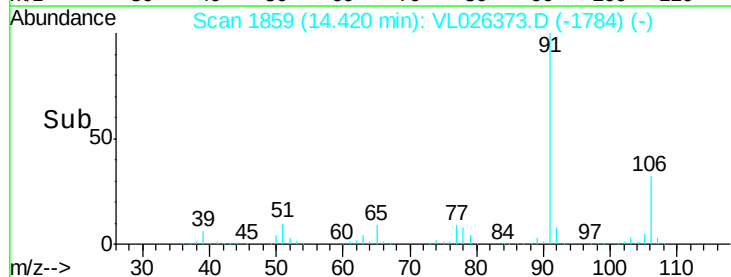
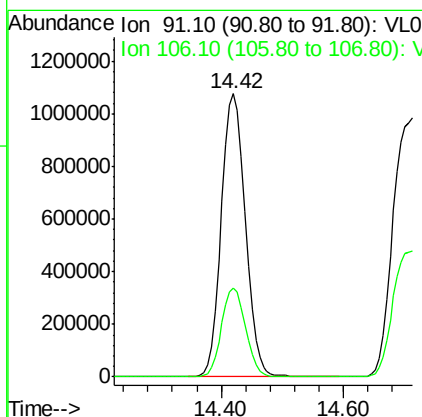
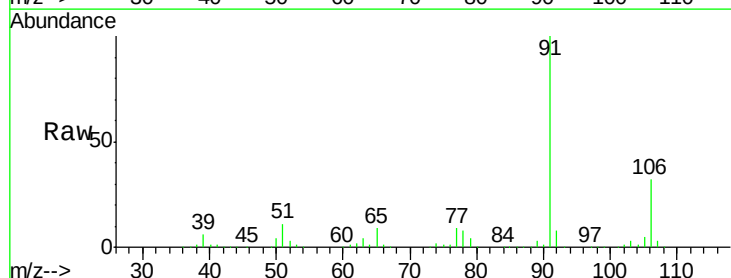
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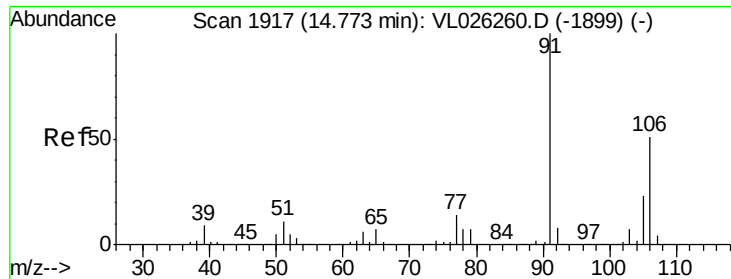
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#58
Ethyl Benzene
Concen: 12.18 ppbv
RT: 14.42 min Scan# 1859
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 91 Resp: 2937175
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5





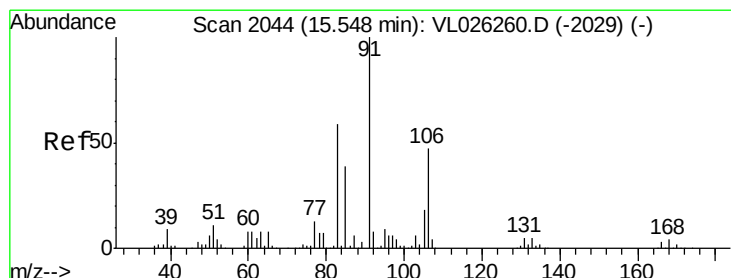
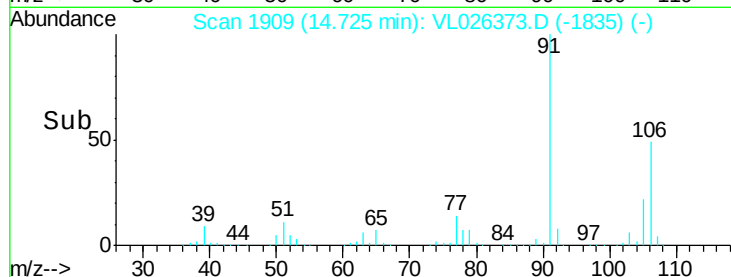
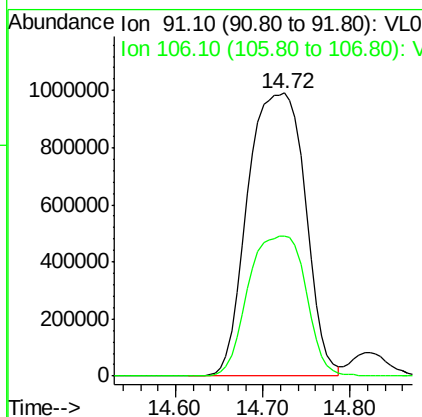
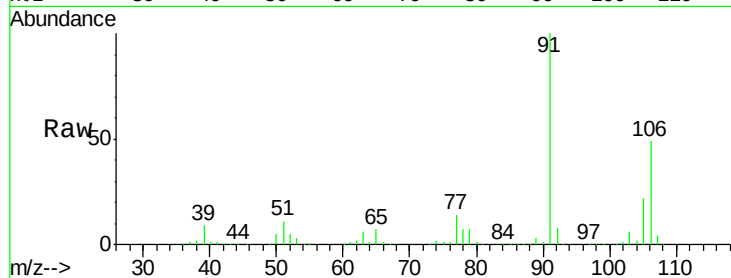
#59
m/p-Xylene
Concen: 23.70 ppbv
RT: 14.72 min Scan# 1909
Delta R.T. -0.05 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4525784
Ion Ratio Lower Upper
91 100
106 49.8 0.0 0.0#

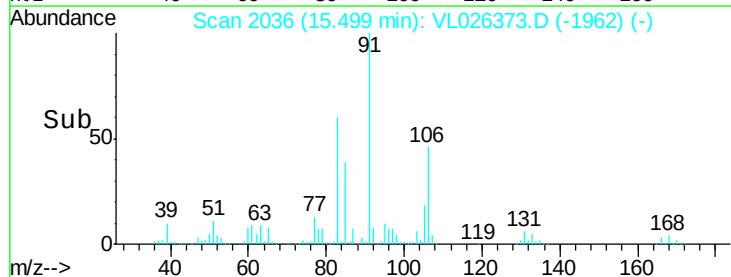
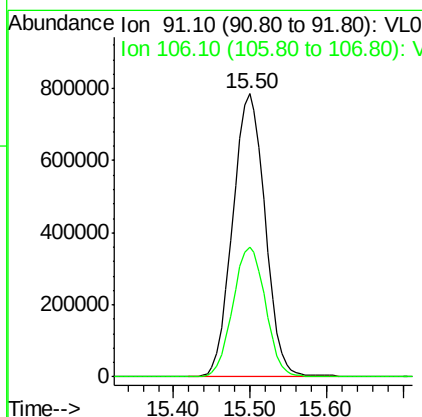
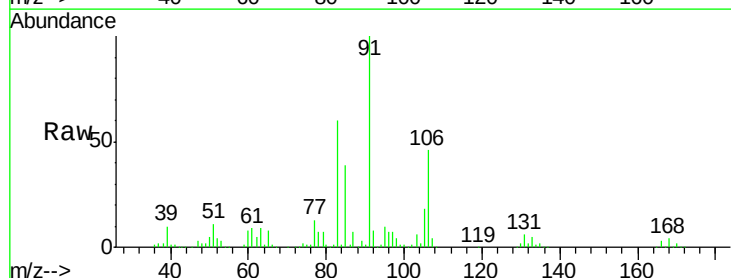
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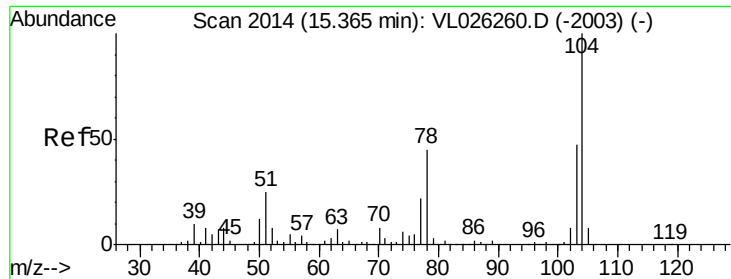
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#60
o-Xylene
Concen: 11.56 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. -0.05 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion: 91 Resp: 2307866
Ion Ratio Lower Upper
91 100
106 46.5 23.6 70.8





#61

Stvrene

Concen: 12.91 ppbv

RT: 15.32 min Scan# 2006

Delta R.T. -0.05 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1096023

Ion Ratio Lower Upper

104 100

78 45.4 35.5 53.3

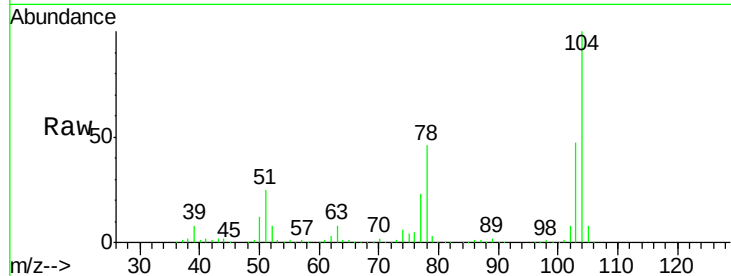
103 46.7 37.0 55.6

Manual Integrations

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mohammad

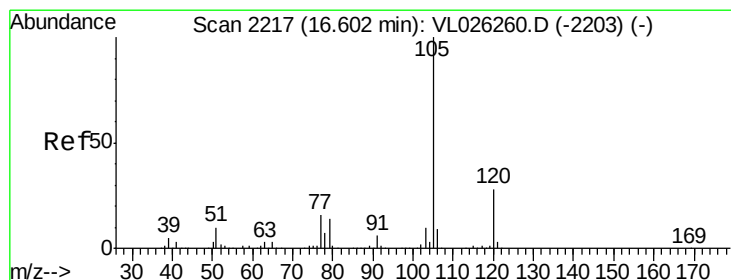
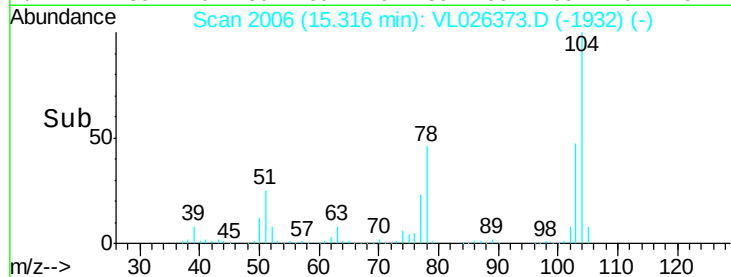
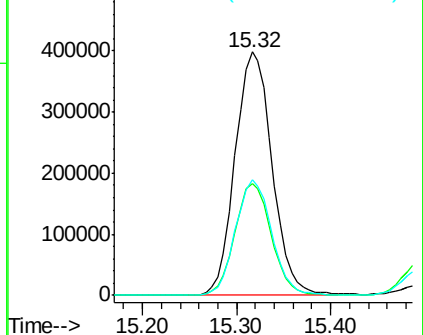
11/12/2015 6:51:58 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.47 ppbv

RT: 16.55 min Scan# 2209

Delta R.T. -0.05 min

Lab File: VL026373.D

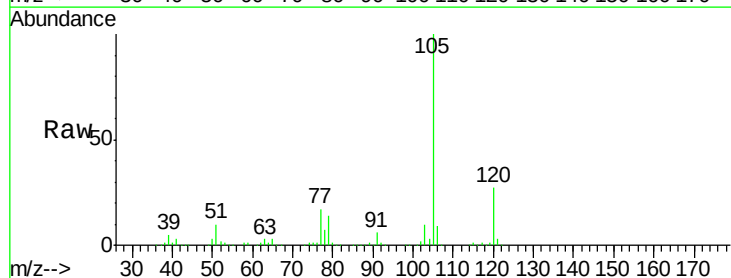
Acq: 11 Nov 2015 20:30

Tgt Ion:105 Resp: 3109016

Ion Ratio Lower Upper

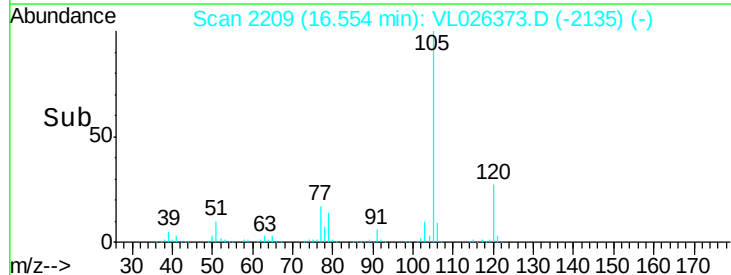
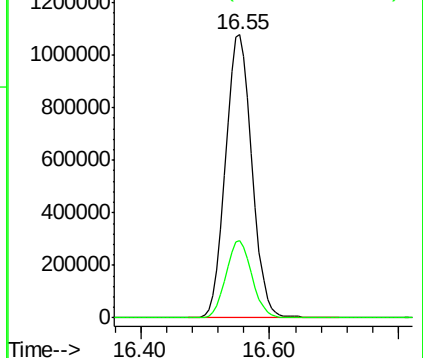
105 100

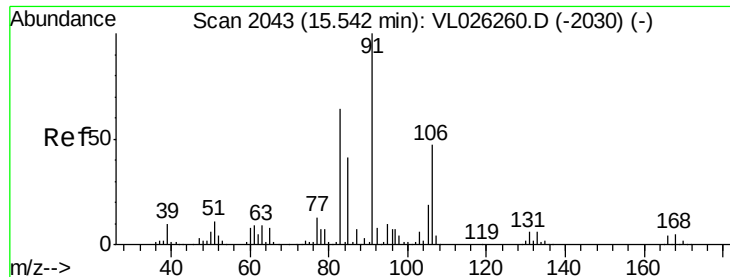
120 26.9 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





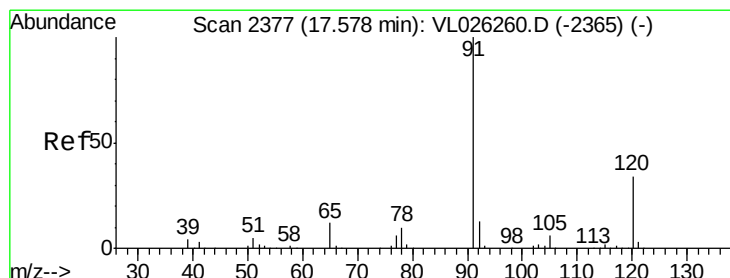
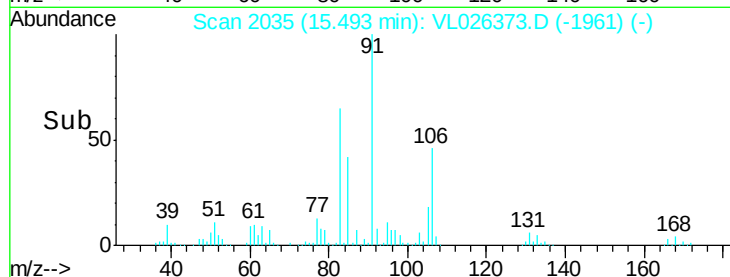
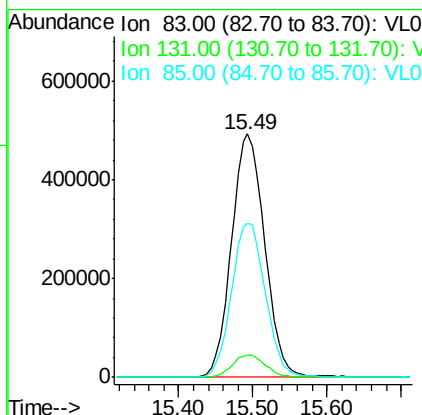
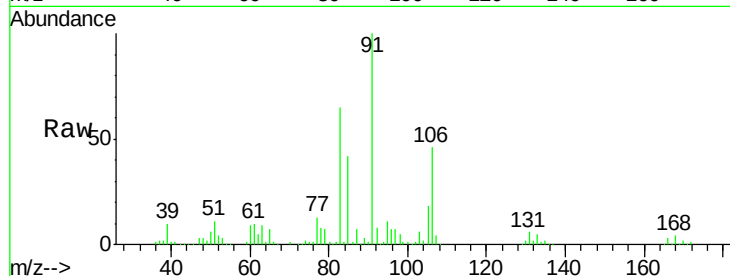
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.93 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1543033
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 64.7 32.4 97.2

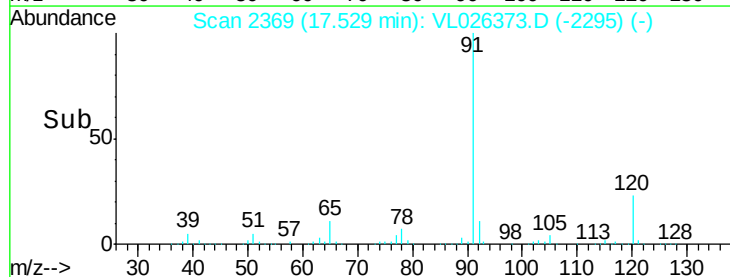
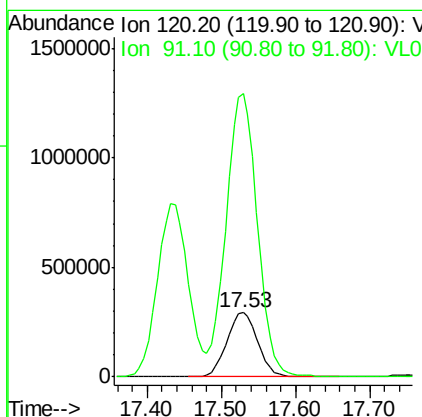
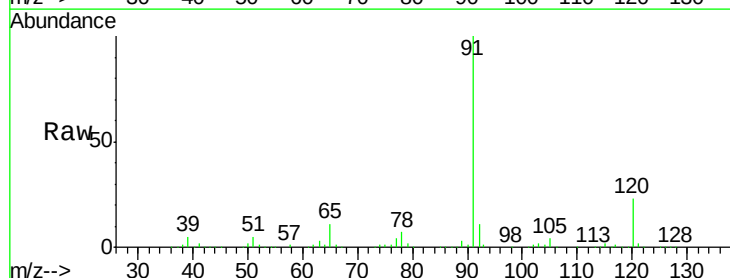
Manual Integrations
 APPROVED

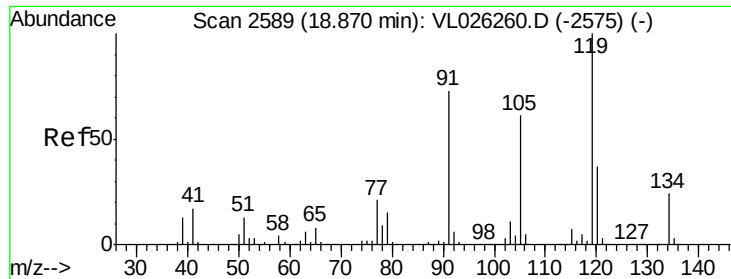
mohammad
 11/12/2015 6:51:58 PM



#64
 n-propylbenzene
 Concen: 11.51 ppbv
 RT: 17.53 min Scan# 2369
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion:120 Resp: 847547
 Ion Ratio Lower Upper
 120 100
 91 447.0 340.8 511.2





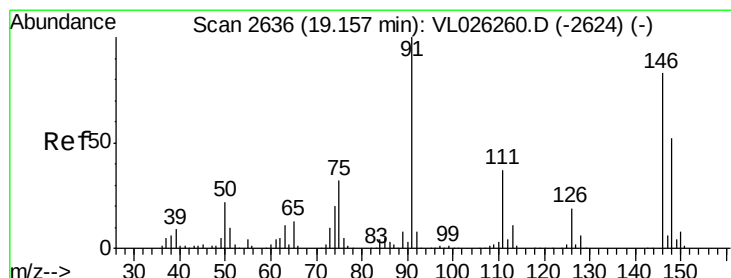
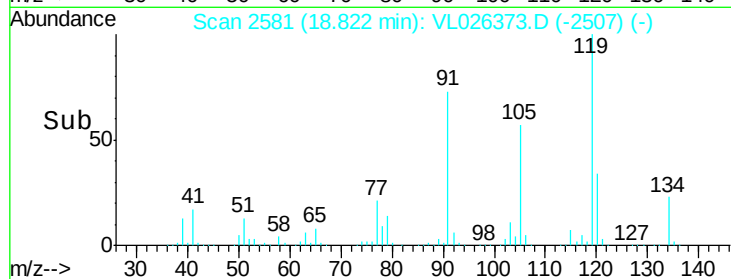
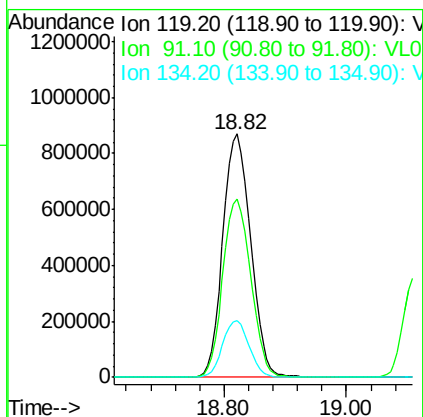
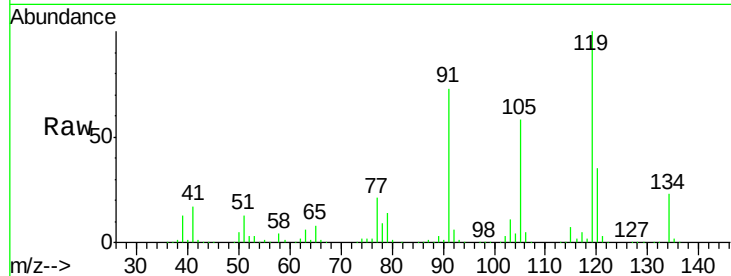
#65
 tert-Butylbenzene
 Concen: 11.21 ppbv
 RT: 18.82 min Scan# 2581
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 2741079
 Ion Ratio Lower Upper
 119 100
 91 73.8 57.7 86.5
 134 22.2 18.0 27.0

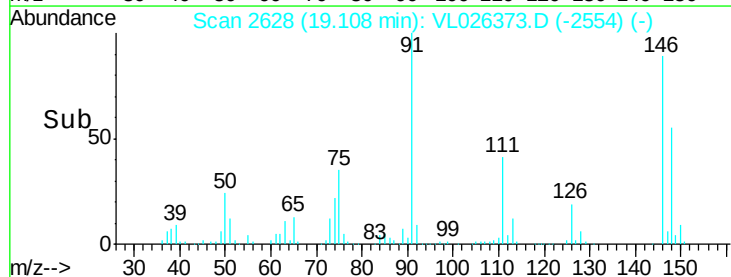
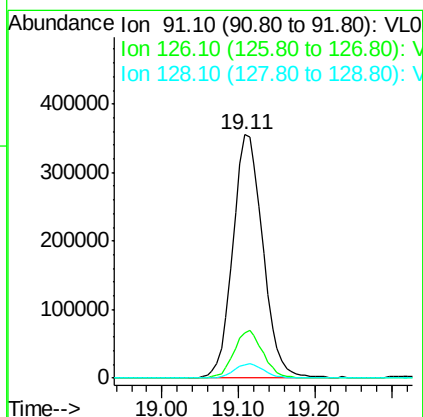
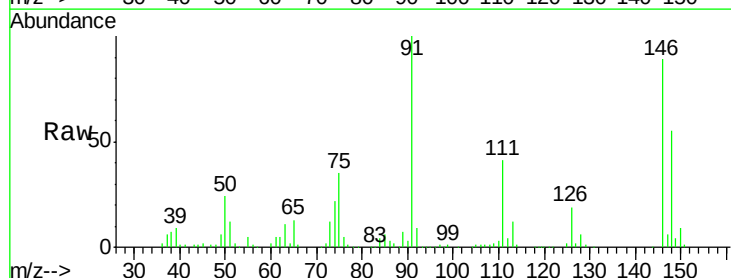
Manual Integrations
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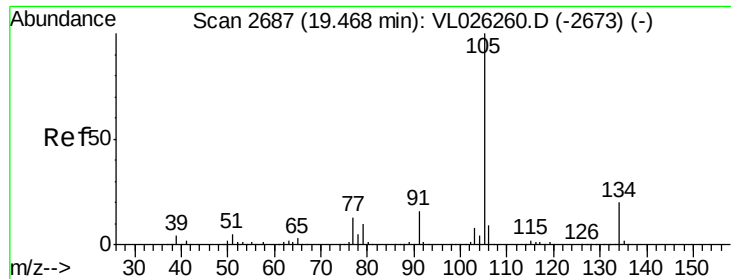
mohammad
 11/12/2015 6:51:58 PM



#66
 Benzyl Chloride
 Concen: 12.66 ppbv
 RT: 19.11 min Scan# 2628
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion: 91 Resp: 965093
 Ion Ratio Lower Upper
 91 100
 126 18.9 15.8 23.8
 128 5.8 5.0 7.6





#67

sec-Butylbenzene

Concen: 11.40 ppbv

RT: 19.42 min Scan# 2679

Delta R.T. -0.05 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3953551

Ion Ratio Lower Upper

105 100

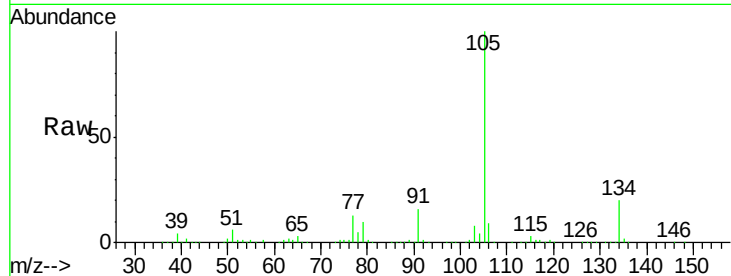
134 19.7 16.0 24.0

Manual Integrations

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mohammad

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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

1500000

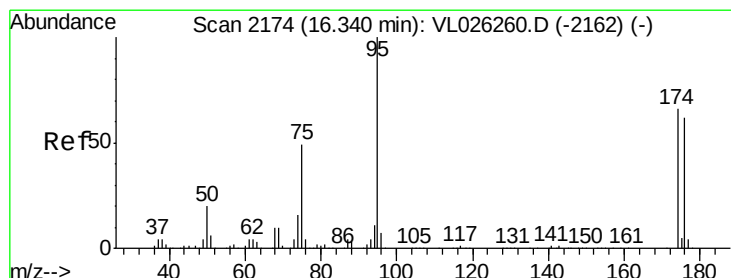
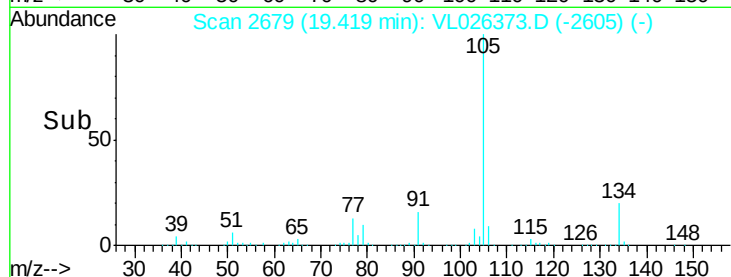
1000000

500000

0

19.40 19.60

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.73 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

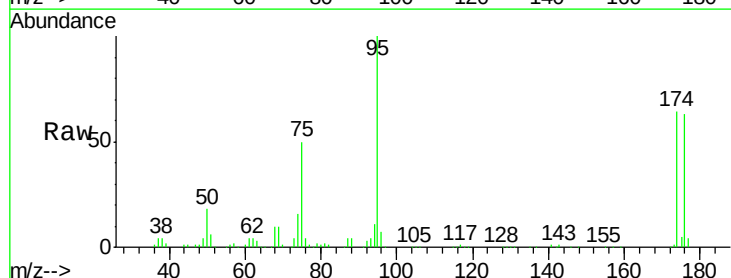
Tgt Ion: 95 Resp: 860661

Ion Ratio Lower Upper

95 100

174 64.9 52.9 79.3

175 4.8 3.8 5.8



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

400000

300000

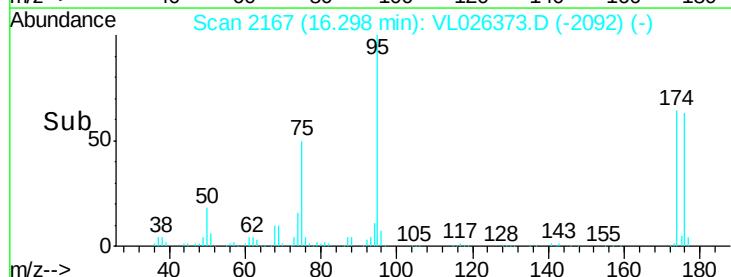
200000

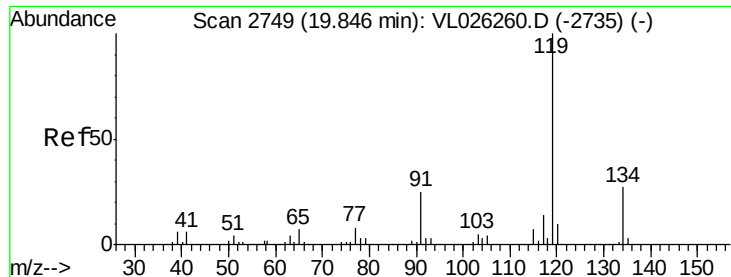
100000

0

16.20 16.40

Time-->





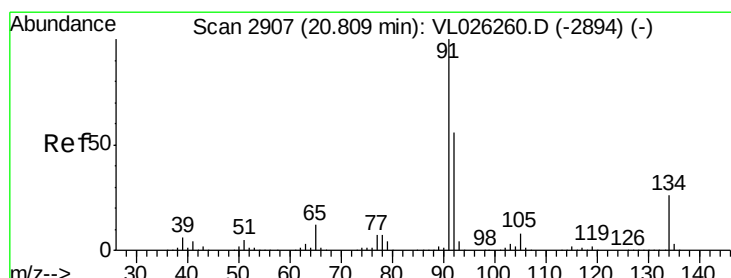
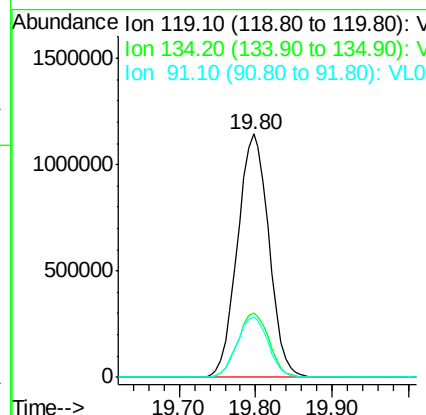
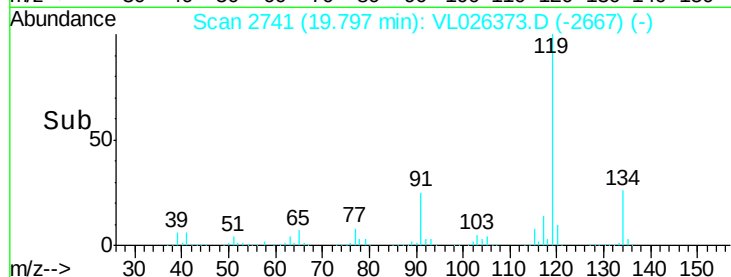
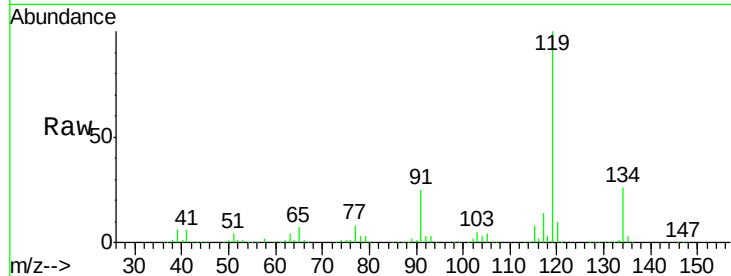
#69
 p-Isopropyltoluene
 Concen: 11.50 ppbv
 RT: 19.80 min Scan# 2741
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 3247335
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.3 31.9
 91 25.0 19.6 29.4

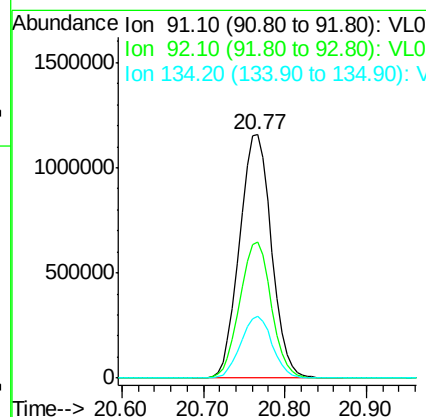
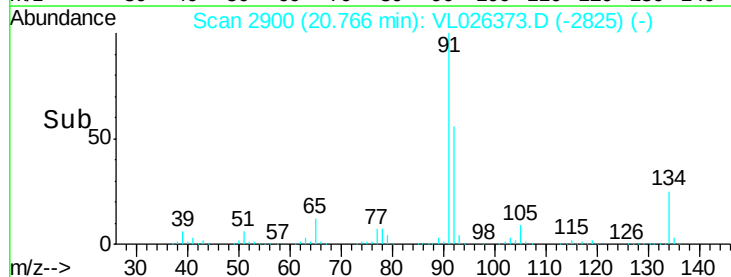
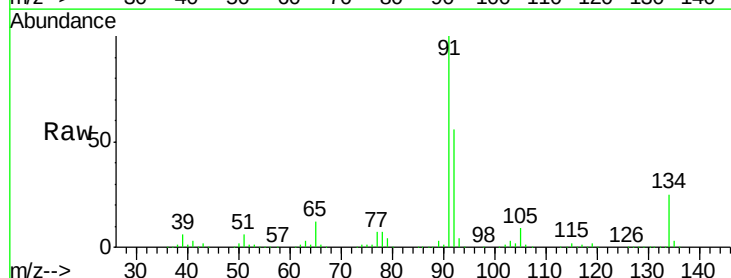
Manual Integrations
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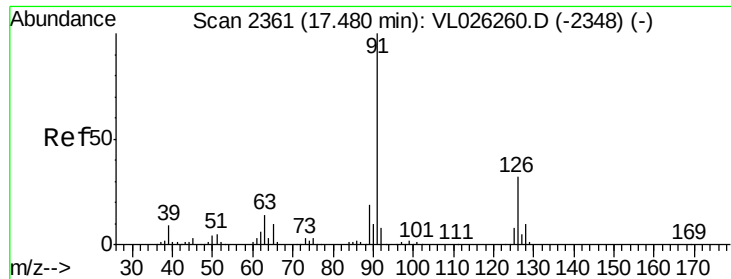
mohammad
 11/12/2015 6:51:58 PM



#70
 n-Butylbenzene
 Concen: 11.72 ppbv
 RT: 20.77 min Scan# 2900
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion: 91 Resp: 3148490
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.9 67.3
 134 25.1 20.5 30.7





#71

2-Chlorotoluene

Concen: 11.61 ppbv

RT: 17.43 min Scan# 2353

Delta R.T. -0.05 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2321163

Ion Ratio Lower Upper

91 100

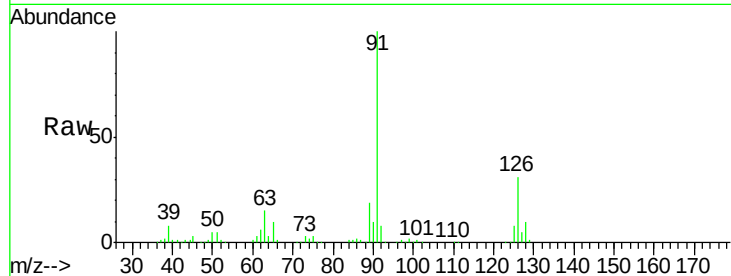
126 31.8 12.8 51.0

Manual Integrations

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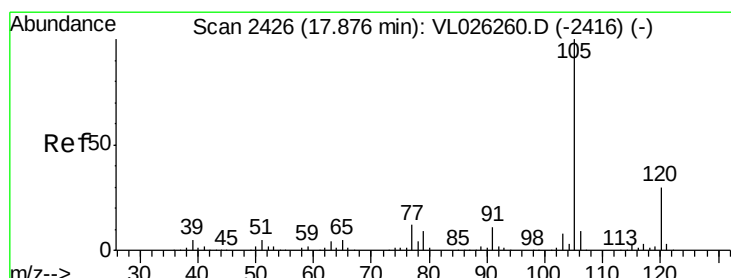
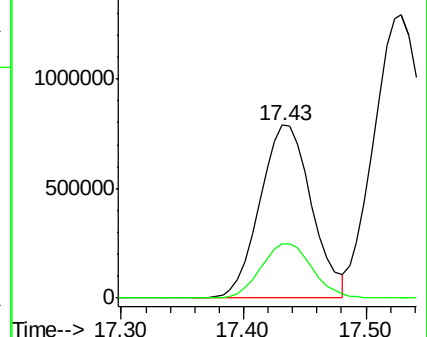
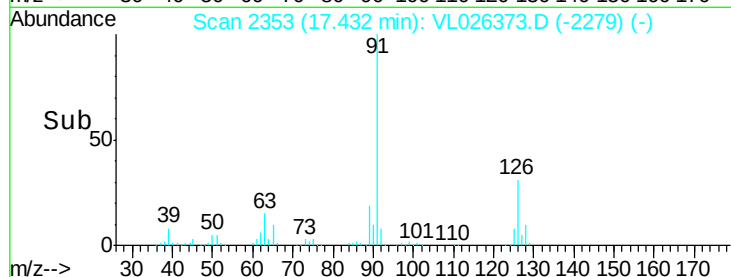
mohammad

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.76 ppbv

RT: 17.83 min Scan# 2418

Delta R.T. -0.05 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion:105 Resp: 2637289

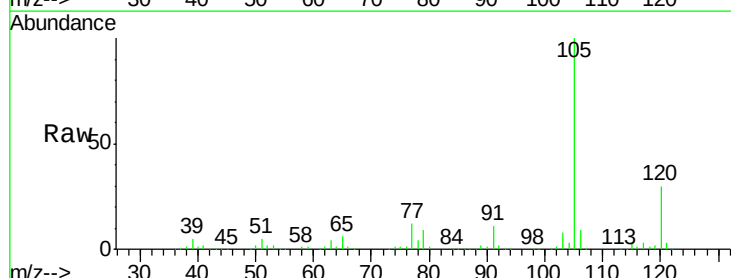
Ion Ratio Lower Upper

105 100

120 31.0 25.1 37.7

91 11.6 9.1 13.7

77 12.3 9.7 14.5

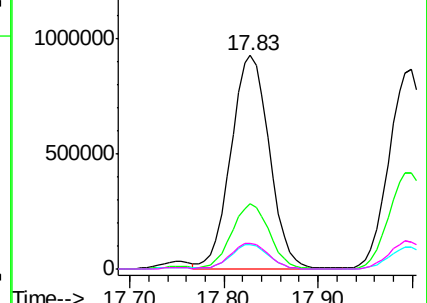
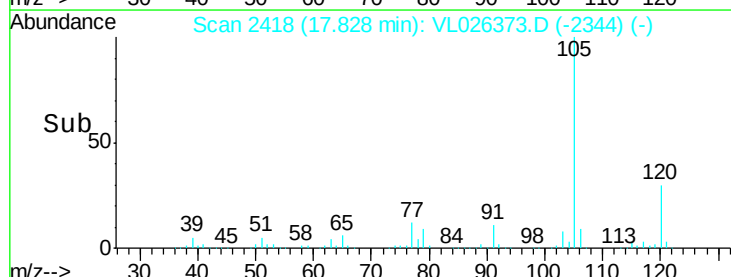


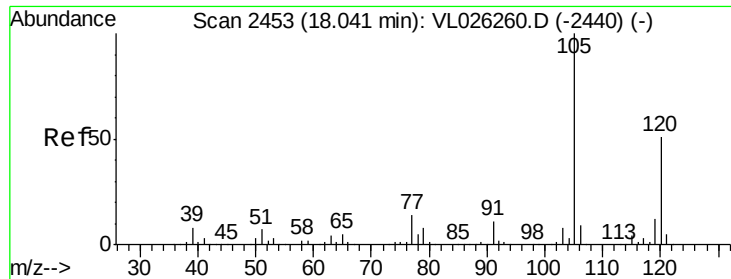
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 11.73 ppbv

RT: 18.00 min Scan# 2446

Delta R.T. -0.04 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2481842

Ion Ratio Lower Upper

105 100

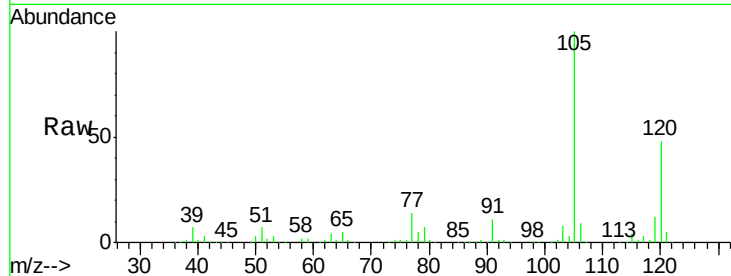
120 48.2 40.6 61.0

Manual Integrations

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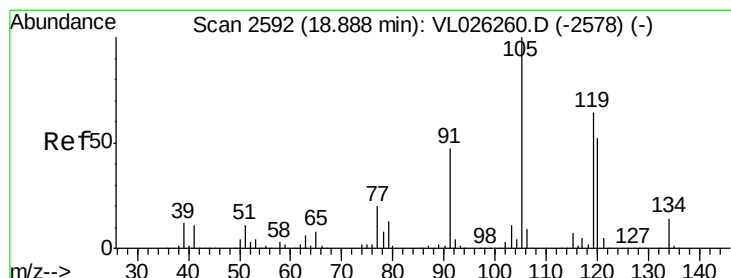
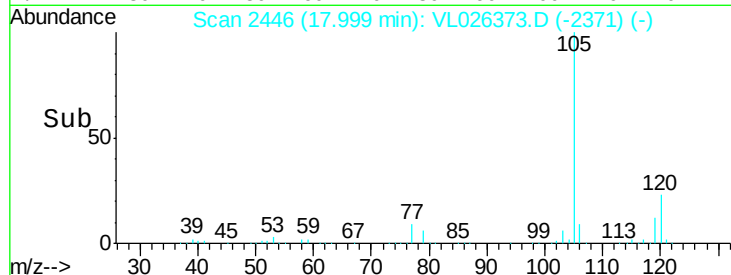
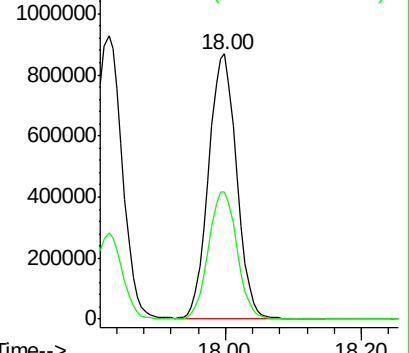
mohammad

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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: 11.23 ppbv

RT: 18.84 min Scan# 2584

Delta R.T. -0.05 min

Lab File: VL026373.D

Acq: 11 Nov 2015 20:30

Tgt Ion:105 Resp: 2487235

Ion Ratio Lower Upper

105 100

120 50.6 41.2 61.8

91 48.8 37.8 56.8

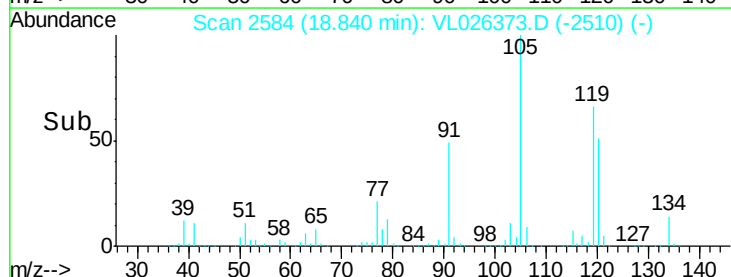
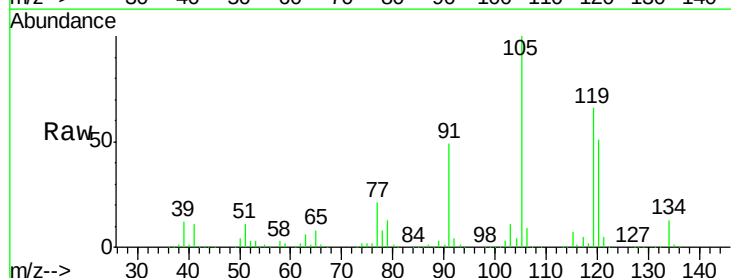
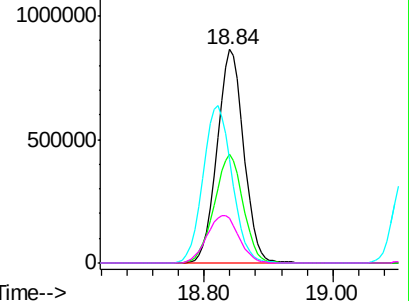
77 20.8 16.1 24.1

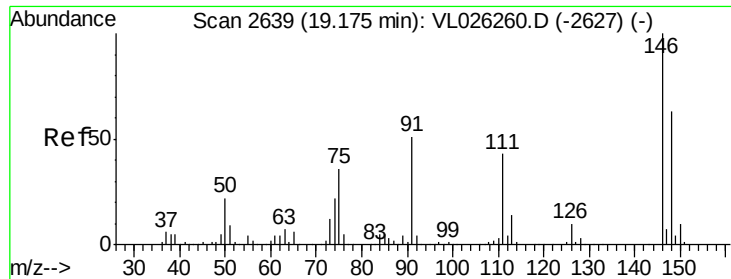
Abundance Ion 105.10 (104.80 to 105.80): V

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





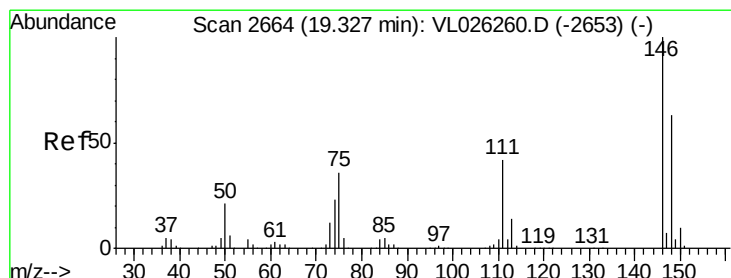
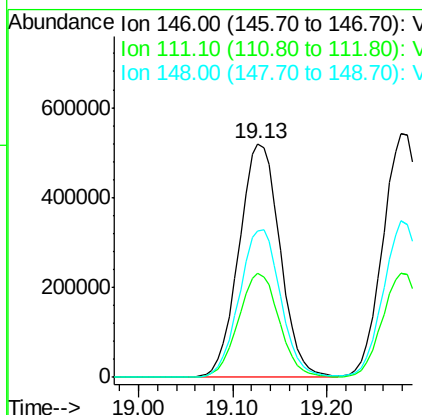
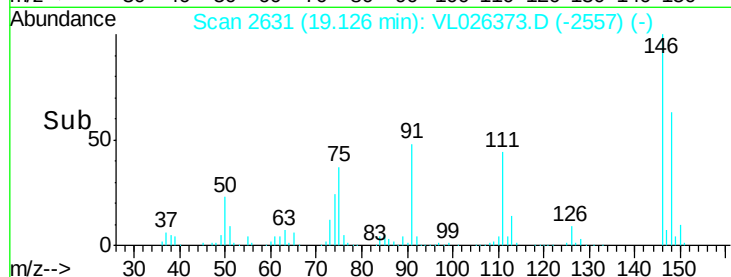
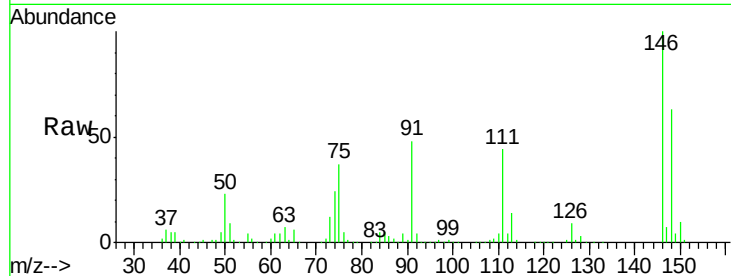
#75
 1,3-Dichlorobenzene
 Concen: 11.07 ppbv
 RT: 19.13 min Scan# 2631
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:146 Resp: 1587178
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.5
 148 63.4 31.8 95.3

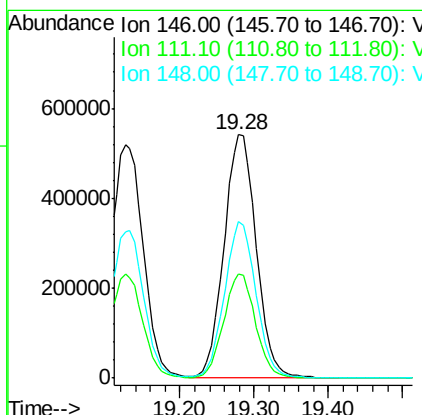
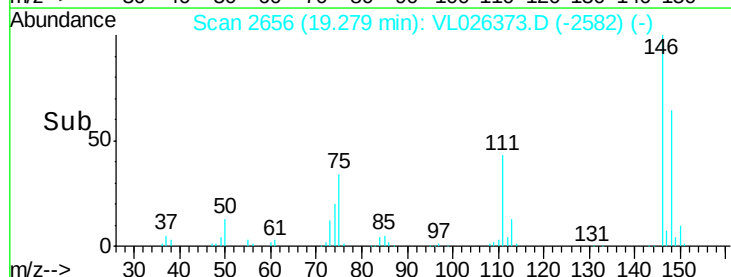
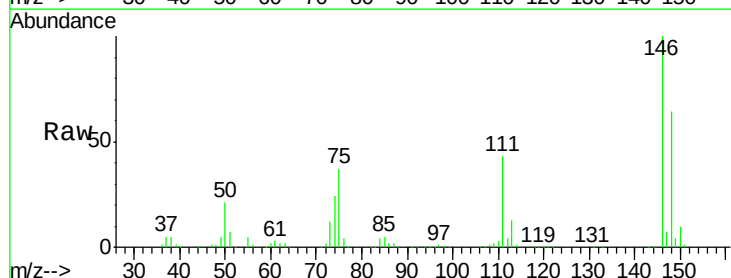
Manual Integrations
 APPROVED

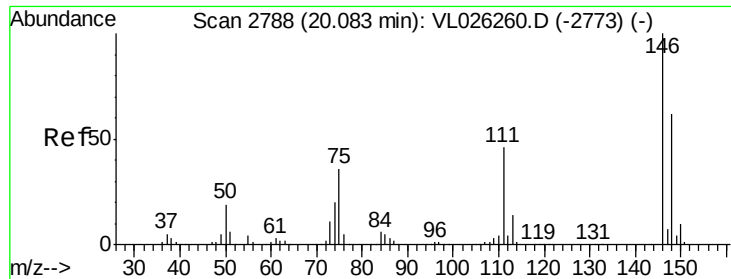
mohammad
 11/12/2015 6:51:58 PM



#76
 1,4-Dichlorobenzene
 Concen: 11.21 ppbv
 RT: 19.28 min Scan# 2656
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion:146 Resp: 1634533
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.1 63.4
 148 63.5 31.8 95.3





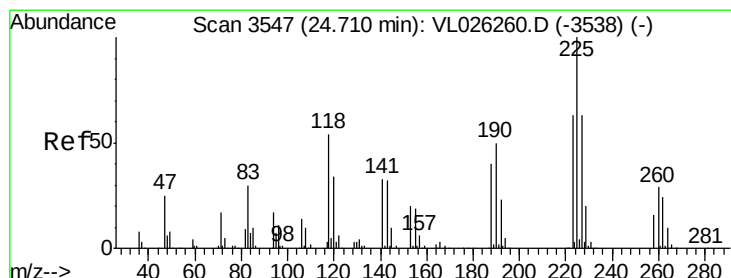
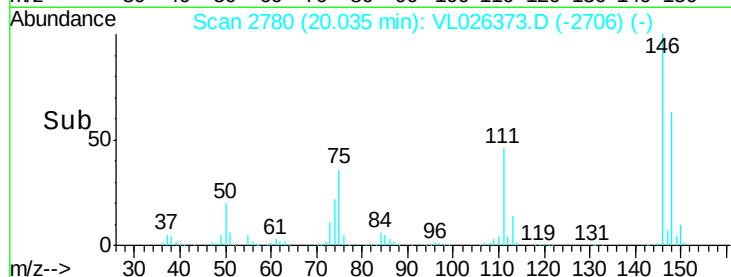
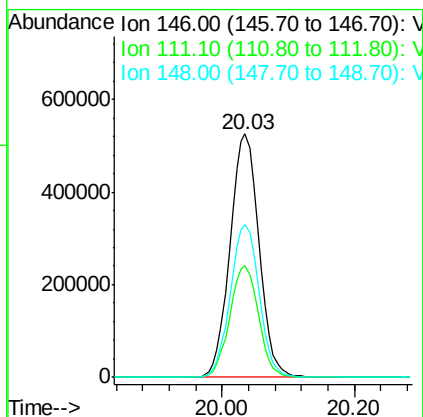
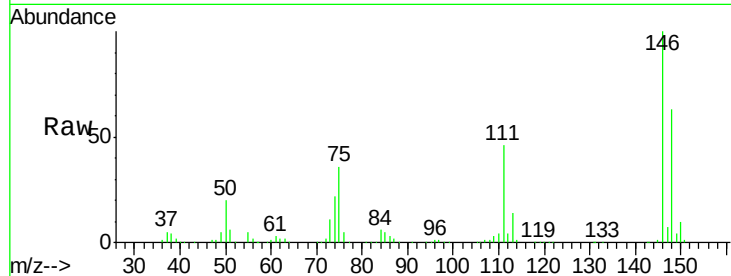
#77
 1,2-Dichlorobenzene
 Concen: 11.14 ppbv
 RT: 20.03 min Scan# 2780
 Delta R.T. -0.05 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.3
148	62.9	31.6	94.8

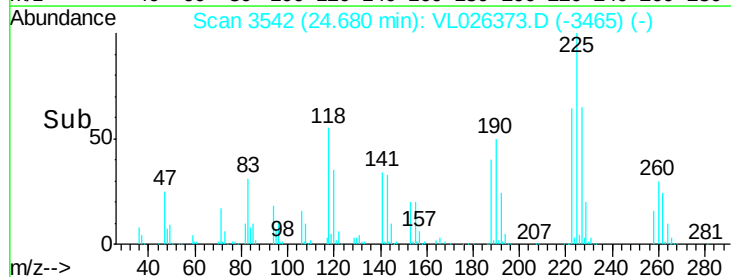
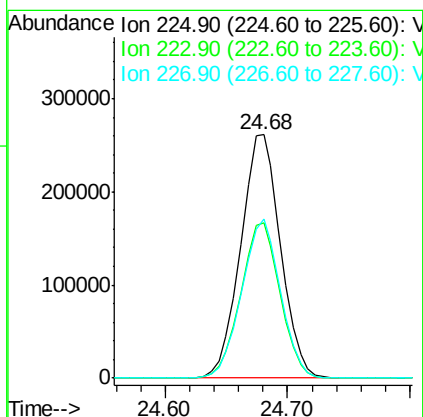
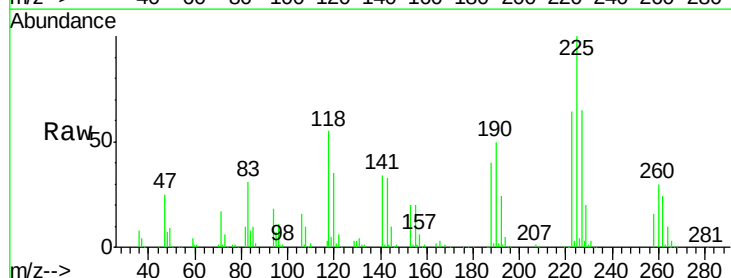
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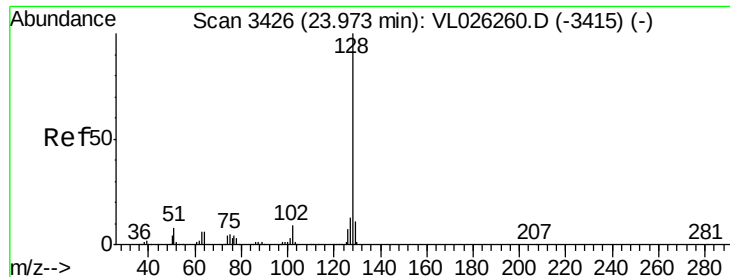
mohammad
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.19 ppbv
 RT: 24.68 min Scan# 3542
 Delta R.T. -0.03 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.6
227	63.7	51.3	76.9





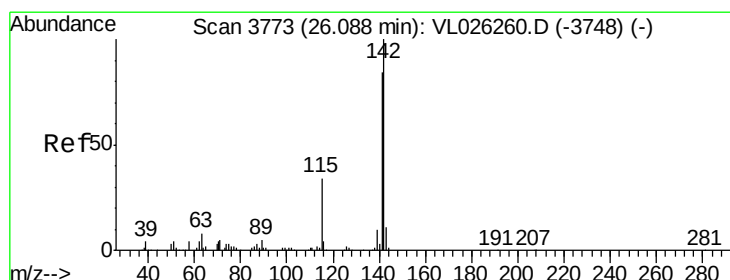
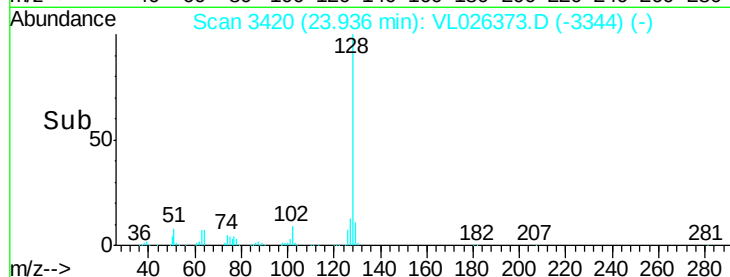
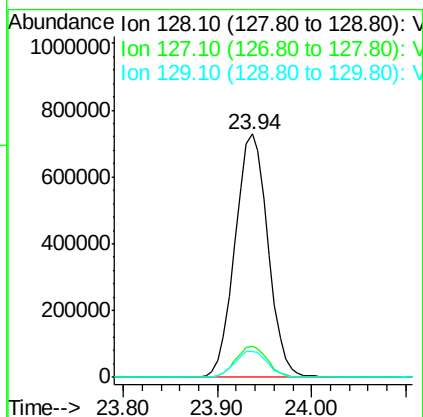
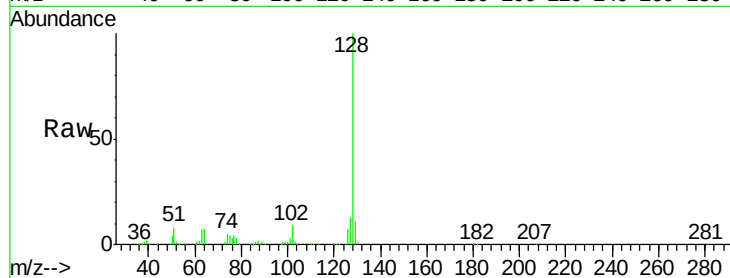
#79
Naphthalene
Concen: 11.21 ppbv
RT: 23.94 min Scan# 3420
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.8	13.2

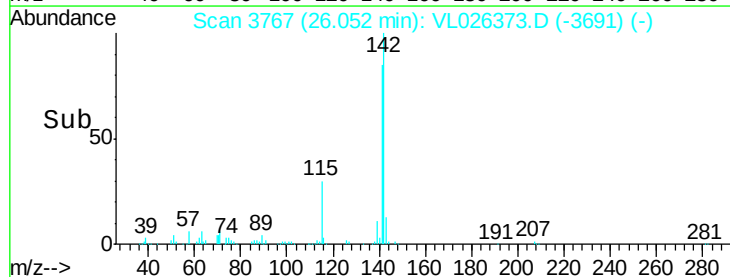
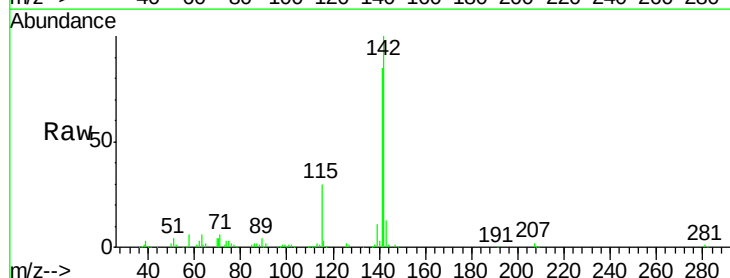
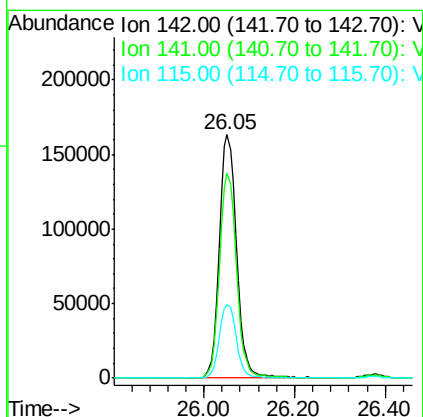
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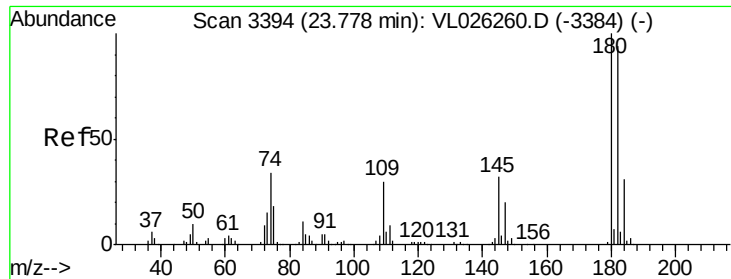
mohammad
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#80
Naphthalene, 2-methyl-
Concen: 14.92 ppbv
RT: 26.05 min Scan# 3767
Delta R.T. -0.04 min
Lab File: VL026373.D
Acq: 11 Nov 2015 20:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.1	99.1
115	30.1	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 10.72 ppbv
 RT: 23.74 min Scan# 3387
 Delta R.T. -0.04 min
 Lab File: VL026373.D
 Acq: 11 Nov 2015 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	29.9	24.2	36.4

Manual Integrations
 APPROVED

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