

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025781.D
 Acq On : 28 Jul 2015 9:59
 Operator : SY/MD
 Sample : VSTDCCV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Manual Integrations
 APPROVED

sam
 7/28/2015 12:00:07 PM

Quant Time: Jul 28 10:38:39 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	597357	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	1660473	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2198518m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1900138	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.64	85	804053	5.20	ppbv	98
3) Chlorodifluoromethane	3.57	51	650197	7.72	ppbv	99
4) Chloromethane	3.75	50	310617	8.09	ppbv	99
5) Vinyl Chloride	3.89	62	337356	8.14	ppbv	100
6) Bromomethane	4.14	94	290457	8.63	ppbv	98
7) Chloroethane	4.24	64	155508	8.06	ppbv	98
8) Dichlorotetrafluoroethane	3.80	85	1100448	8.11	ppbv	99
9) Propene	3.59	41	215134	7.69	ppbv	100
10) Heptane	9.35	43	933763	8.58	ppbv	98
11) Trichlorofluoromethane	4.69	101	1698698	8.46	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.30	101	947567	8.23	ppbv	100
13) Ethanol	4.32	45	27327	6.28	ppbv	94
14) Bromoethene	4.45	108	307081	8.13	ppbv	99
15) Acetone	4.59	43	1247802	11.82	ppbv	97
16) 1,3-Butadiene	3.96	39	347526	8.27	ppbv	97
17) tert-Butyl alcohol	5.12	59	743718	8.40	ppbv	100
18) 1,1-Dichloroethene	5.08	96	363037	8.24	ppbv	99
19) Isopropyl Alcohol	4.75	45	287809	6.83	ppbv #	96
20) Methylene Chloride	5.15	84	325409	7.59	ppbv	91
21) Allyl Chloride	5.23	41	512619	7.76	ppbv	94
22) trans-1,2-Dichloroethene	5.76	96	365091	8.11	ppbv	95
23) Vinyl Acetate	5.98	43	1522882	9.52	ppbv	99
24) 1,1-Dichloroethane	5.91	63	862114	8.04	ppbv	99
25) Ethyl Acetate	6.67	43	1309608	8.20	ppbv	99
26) Hexane	6.66	57	609164	8.10	ppbv	98
27) Carbon Disulfide	5.39	76	1013207	8.32	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	1269124	8.49	ppbv	100
29) Chloroform	6.75	83	1212327	8.16	ppbv	99
30) Cyclohexane	8.29	84	613040	8.53	ppbv	99
31) cis-1,2-Dichloroethene	6.52	61	644655	8.63	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1377024	8.53	ppbv	99
34) 2-Butanone	6.20	43	808014	8.58	ppbv	99
35) Carbon Tetrachloride	8.17	117	1492413	8.44	ppbv	99
36) Benzene	8.02	78	1342384	8.44	ppbv	99
37) 1,2-Dichloroethane	7.37	62	1113094	8.20	ppbv	100
38) Trichloroethene	9.07	130	629881	8.52	ppbv	98
39) 1,2-Dichloropropane	8.83	63	476692	8.12	ppbv	96
40) 1,4-Dioxane	9.13	88	62332	6.77	ppbv #	1
41) Tetrahydrofuran	7.12	42	397855	8.46	ppbv	99
42) Bromodichloromethane	9.02	83	1405322	8.58	ppbv	99
43) Methyl Methacrylate	9.26	69	566620	9.28	ppbv	99

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Quant Time: Jul 28 10:38:39 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	9.09	57	2300797	8.43	ppbv	98
45) t-1,3-Dichloropropene	10.65	75	932530	9.08	ppbv	100
46) cis-1,3-Dichloropropene	10.02	75	1026000	9.04	ppbv	100
47) 1,1,2-Trichloroethane	10.88	97	687624	8.41	ppbv	98
48) Dibromochloromethane	11.80	129	1282603	8.77	ppbv	99
49) Bromoform	14.82	173	1055352	8.75	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	1224808	9.02	ppbv	100
51) 2-Hexanone	11.62	43	1180852	9.70	ppbv #	100
52) Tetrachloroethene	12.80	164	712400	8.93	ppbv	99
53) Toluene	11.24	91	2020517	9.04	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1118858	8.46	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.79	131	978094	8.23	ppbv	97
57) Chlorobenzene	13.82	112	1844791	7.89	ppbv	99
58) Ethyl Benzene	14.41	91	3250568	8.95	ppbv	99
59) m/p-Xylene	14.72	91	5401986m	16.93	ppbv	
60) o-Xylene	15.49	91	2862971	8.33	ppbv	100
61) Styrene	15.31	104	1204197	10.00	ppbv	98
62) Isopropylbenzene	16.55	105	3844833	8.56	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	1778297	7.65	ppbv	100
64) n-propylbenzene	17.52	120	1042856	8.59	ppbv	98
65) tert-Butylbenzene	18.82	119	3657096	8.29	ppbv	99
66) Benzyl Chloride	19.11	91	1130500	6.99	ppbv	100
67) sec-Butylbenzene	19.41	105	5179527	8.38	ppbv	100
69) p-Isopropyltoluene	19.80	119	4470721	8.78	ppbv	99
70) n-Butylbenzene	20.76	91	4497092	8.71	ppbv	99
71) 2-Chlorotoluene	17.43	91	2921171	8.87	ppbv	100
72) 4-Ethyltoluene	17.82	105	3386268	8.91	ppbv	99
73) 1,3,5-Trimethylbenzene	17.99	105	3250065	8.70	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	3438275	8.22	ppbv	97
75) 1,3-Dichlorobenzene	19.13	146	2152820	7.91	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	2205199	8.08	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	2149092	7.95	ppbv	99
78) Hexachloro-1,3-Butadiene	24.67	225	1210538	7.28	ppbv	99
79) Naphthalene	23.93	128	3134251	7.76	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	618004	5.26	ppbv	97
81) 1,2,4-Trichlorobenzene	23.74	180	1616284	8.34	ppbv	99

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

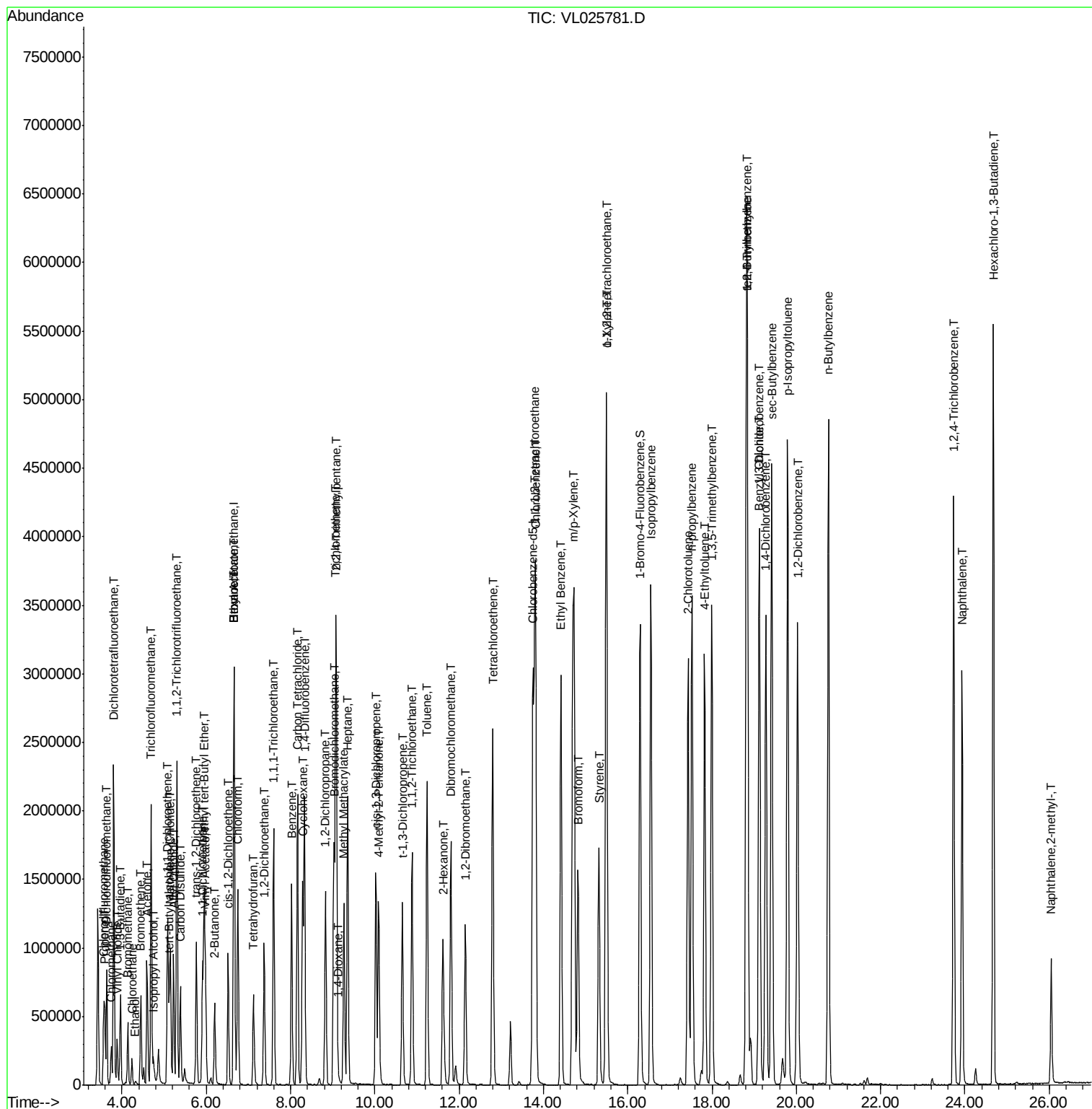
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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\  
Data File : VL025781.D  
Acq On    : 28 Jul 2015    9:59  
Operator  : SY/MD  
Sample    : VSTDCCV010  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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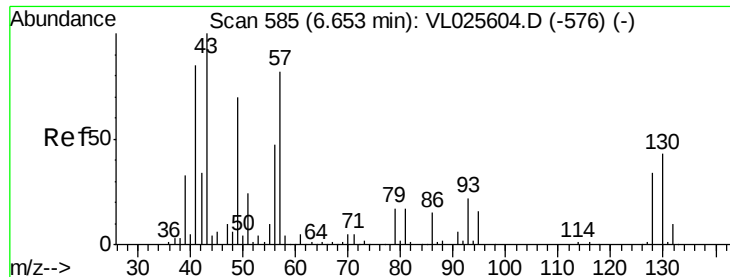
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Manual Integrations APPROVED

7/28/2015 12:00:07 PM

Quant Time: Jul 28 10:38:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 49 Resp: 597357
Ion Ratio Lower Upper

49 100

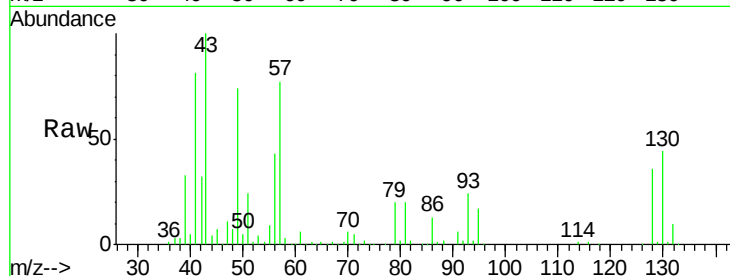
128 50.8 25.4 76.0

130 65.7 31.9 95.9

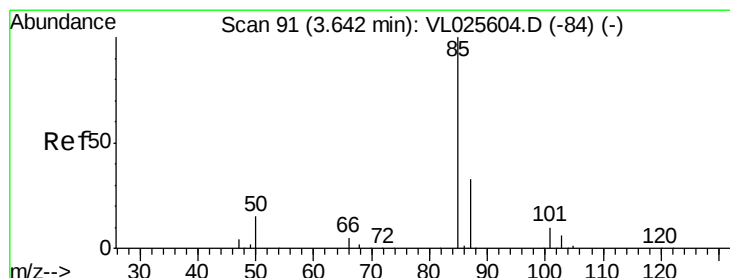
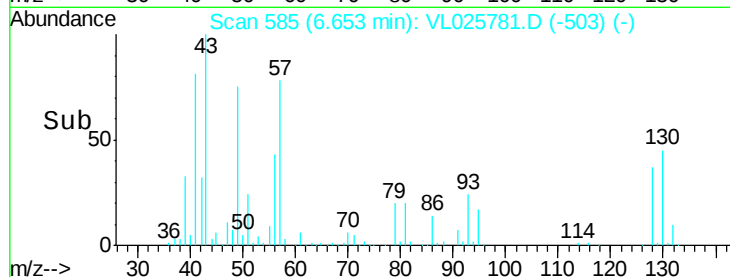
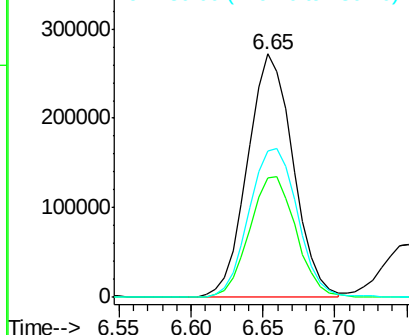
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 5.20 ppbv

RT: 3.64 min Scan# 90

Delta R.T. -0.01 min

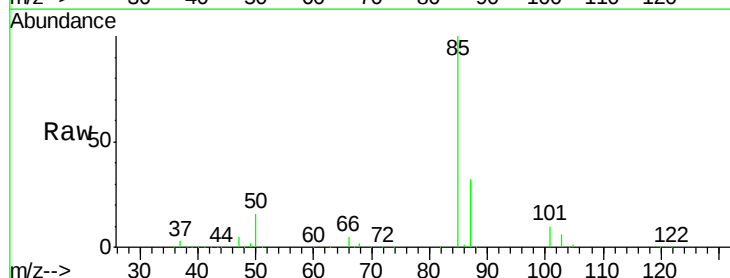
Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

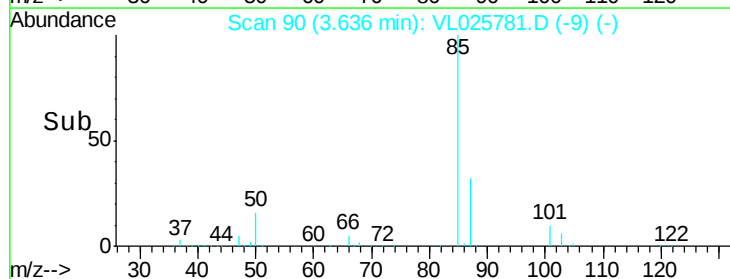
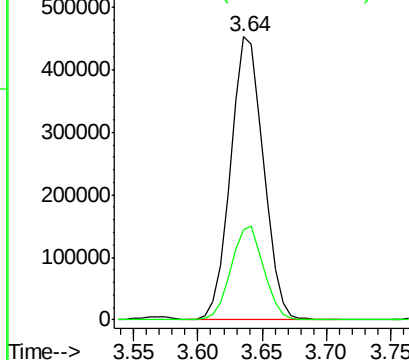
Tgt Ion: 85 Resp: 804053
Ion Ratio Lower Upper

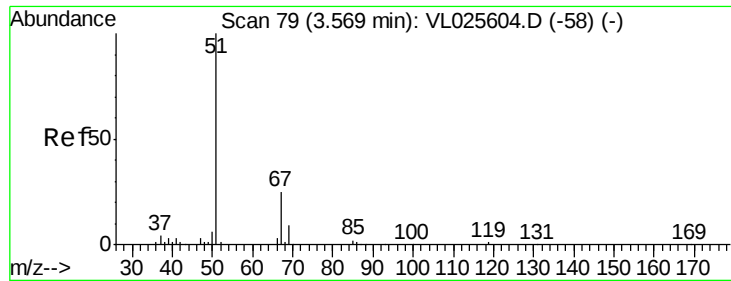
85 100

87 31.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.72 ppbv

RT: 3.57 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 51 Resp: 650197

Ion Ratio Lower Upper

51 100

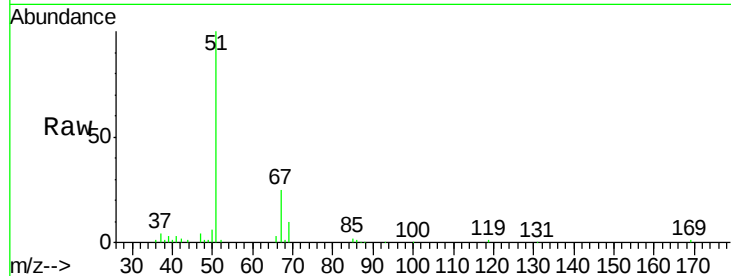
67 25.0 19.5 29.3

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.57

400000

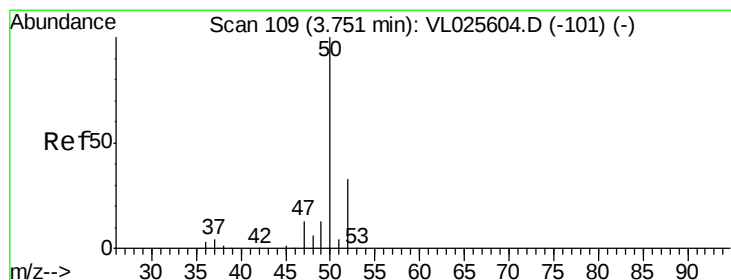
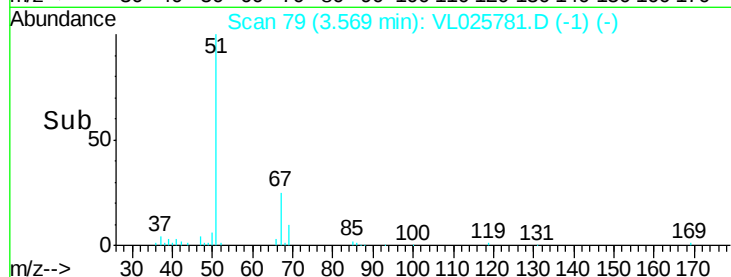
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 8.09 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL025781.D

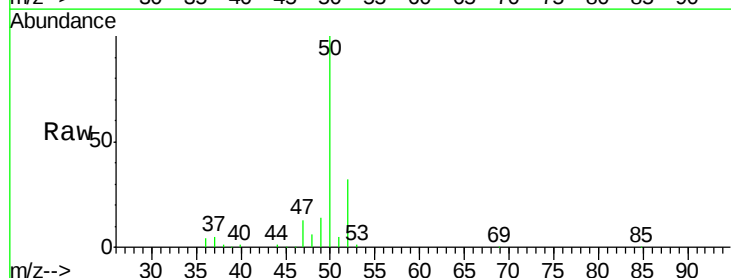
Acq: 28 Jul 2015 9:59

Tgt Ion: 50 Resp: 310617

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.75

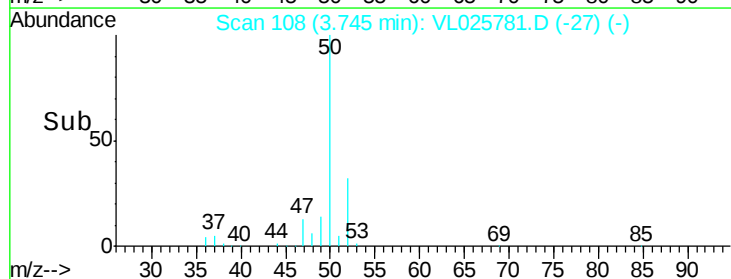
150000

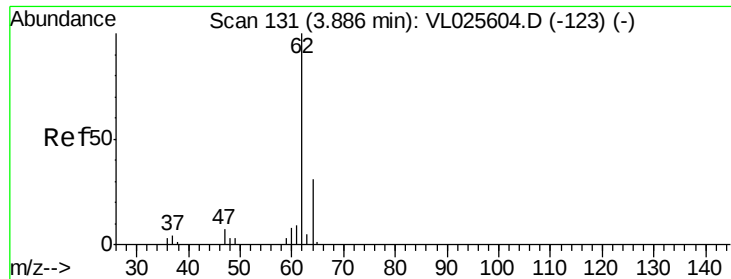
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 8.14 ppbv

RT: 3.89 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 62 Resp: 337356

Ion Ratio Lower Upper

62 100

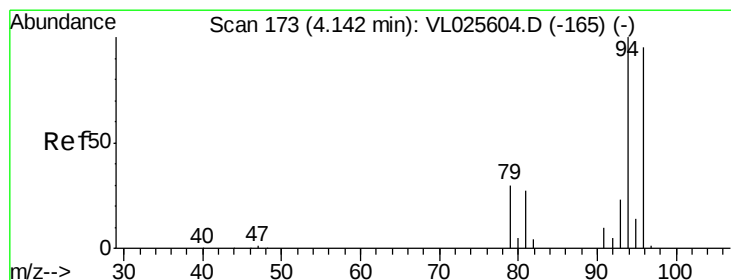
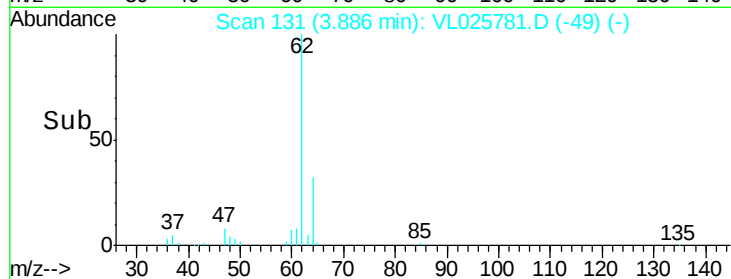
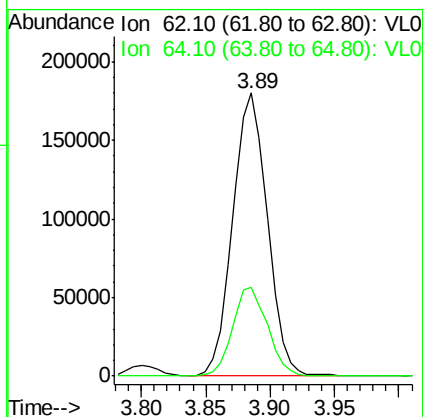
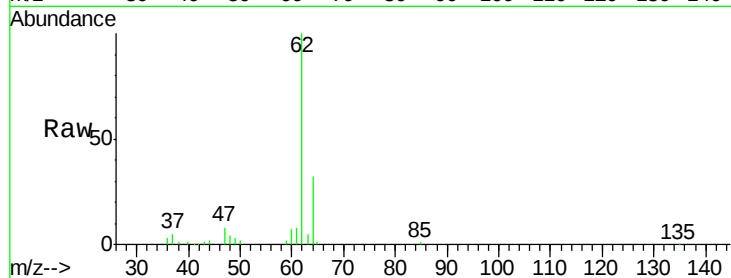
64 31.5 25.0 37.6

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#6

Bromomethane

Concen: 8.63 ppbv

RT: 4.14 min Scan# 173

Delta R.T. 0.00 min

Lab File: VL025781.D

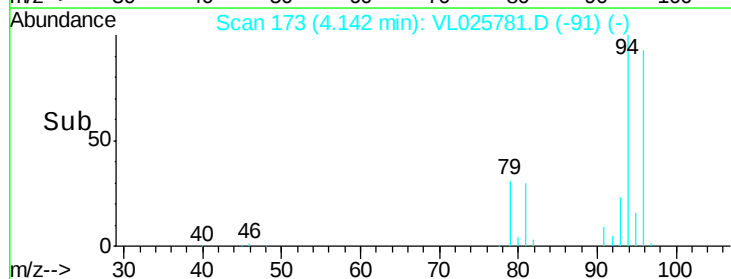
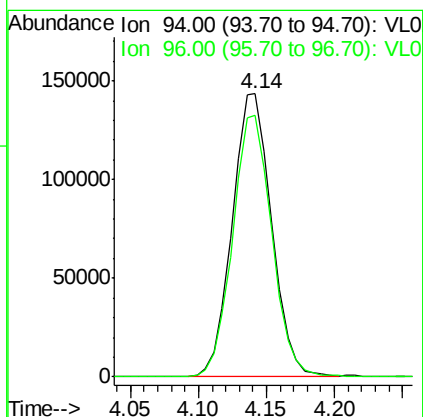
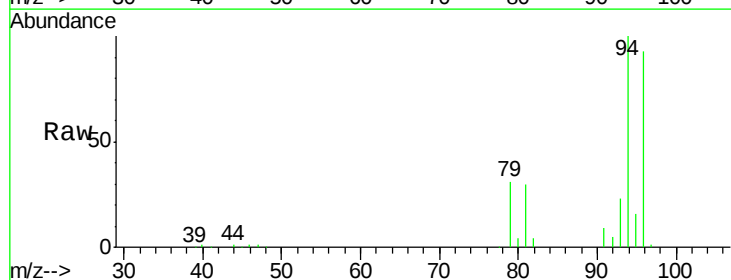
Acq: 28 Jul 2015 9:59

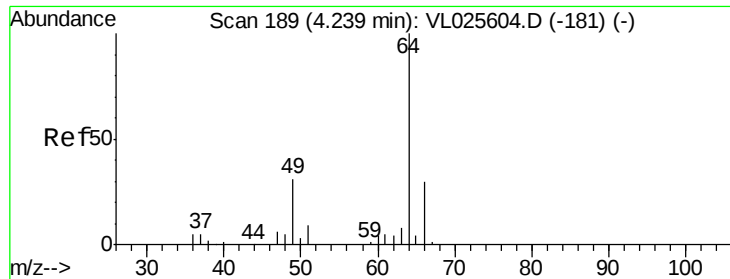
Tgt Ion: 94 Resp: 290457

Ion Ratio Lower Upper

94 100

96 92.6 75.9 113.9





#7

Chloroethane

Concen: 8.06 ppbv

RT: 4.24 min Scan# 189

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 64 Resp: 155508

Ion Ratio Lower Upper

64 100

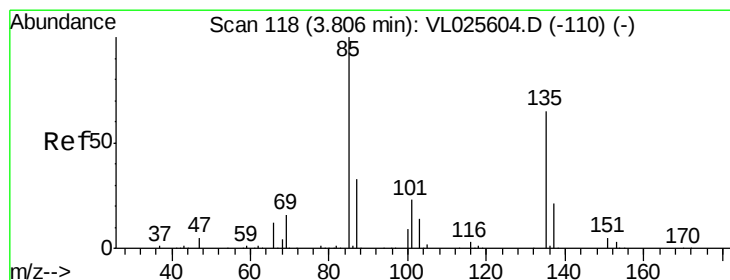
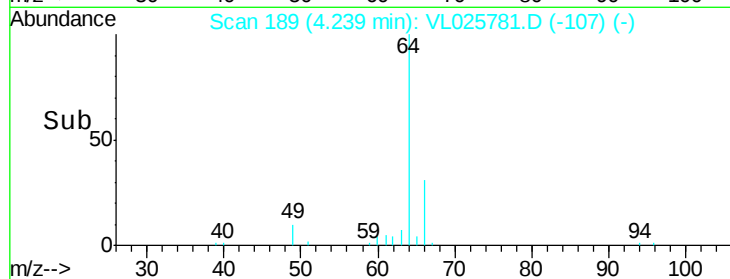
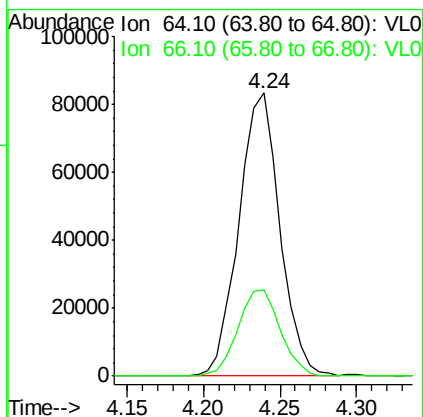
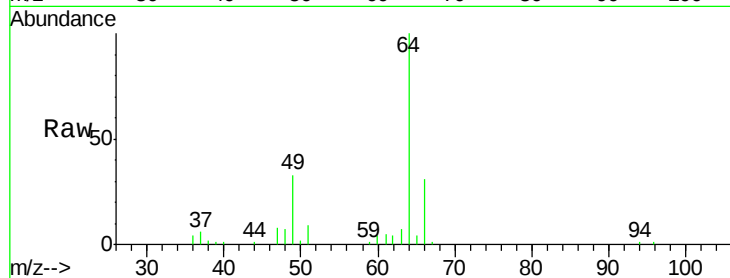
66 30.7 23.8 35.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.11 ppbv

RT: 3.80 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL025781.D

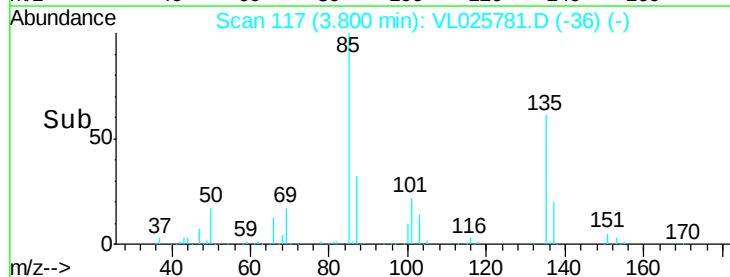
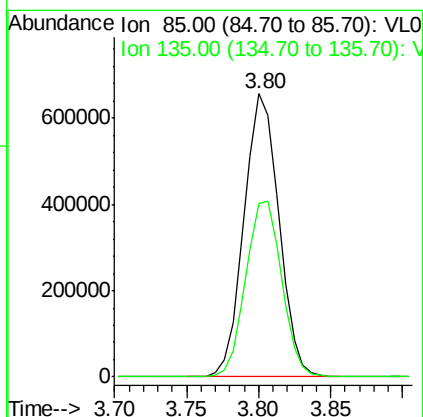
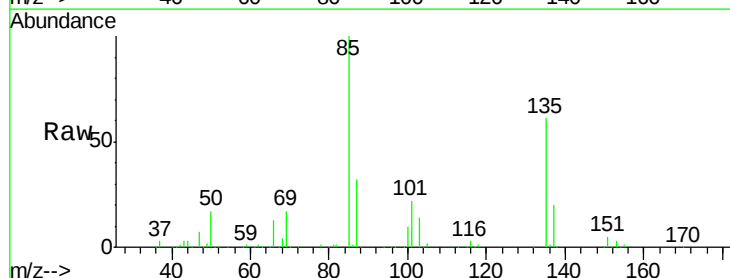
Acq: 28 Jul 2015 9:59

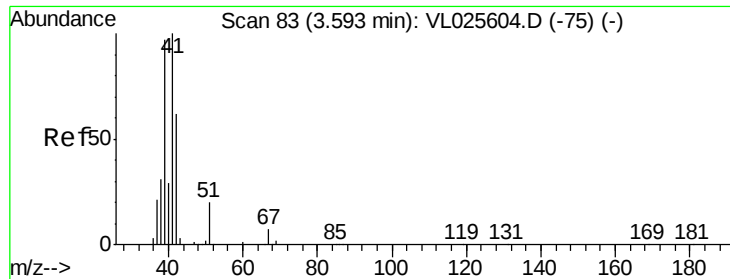
Tgt Ion: 85 Resp: 1100448

Ion Ratio Lower Upper

85 100

135 64.2 52.2 78.4





#9

Propene

Concen: 7.69 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 41 Resp: 215134

Ion Ratio Lower Upper

41 100

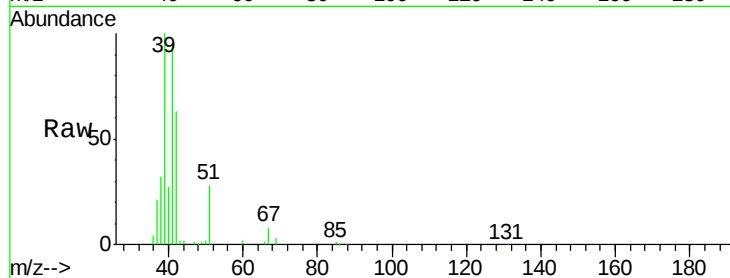
42 65.5 52.4 78.6

Manual Integrations

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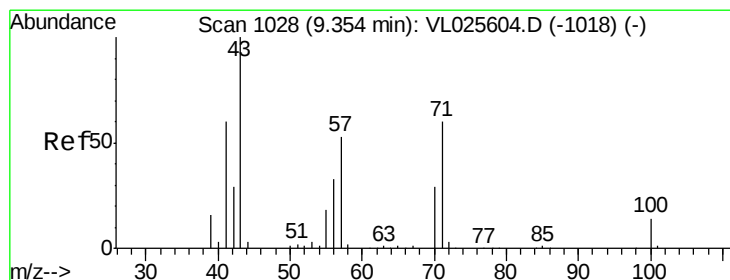
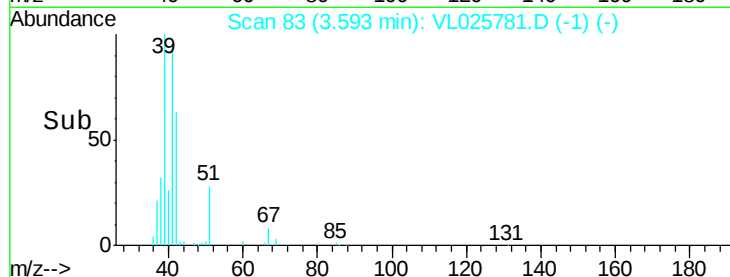
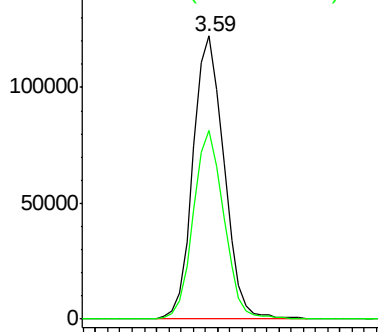
sam

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.58 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VL025781.D

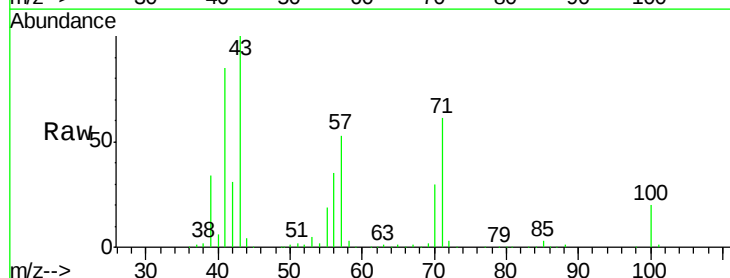
Acq: 28 Jul 2015 9:59

Tgt Ion: 43 Resp: 933763

Ion Ratio Lower Upper

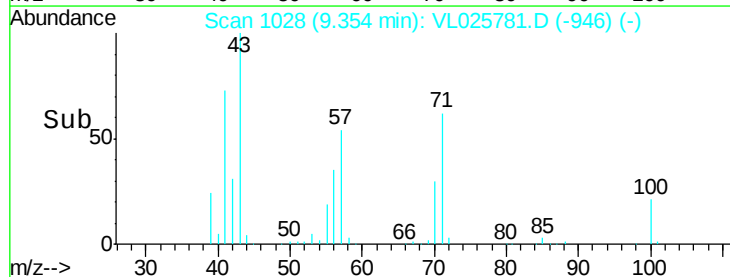
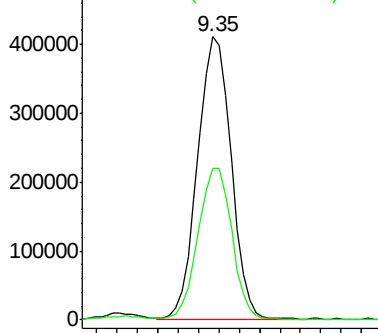
43 100

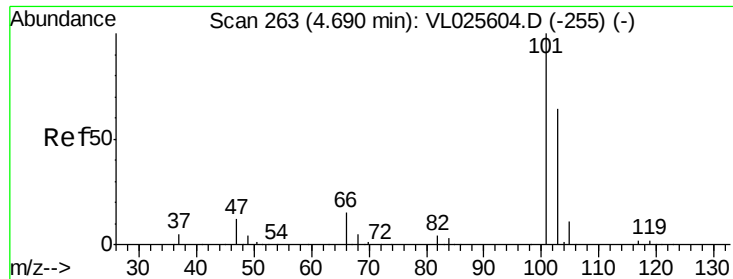
57 54.5 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





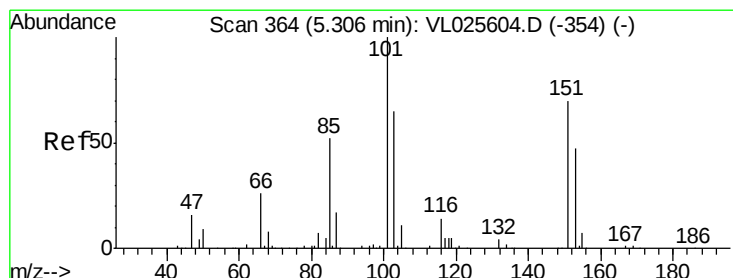
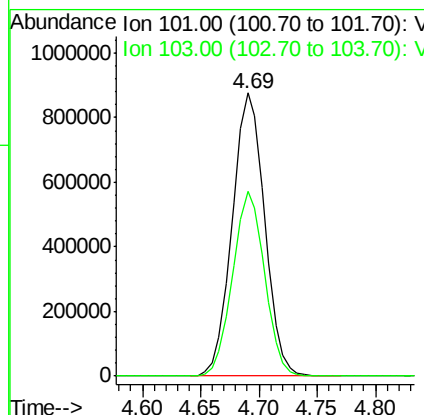
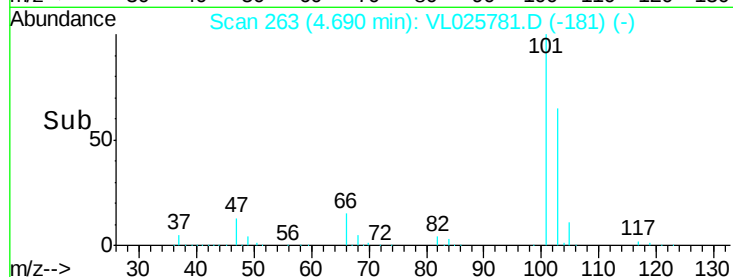
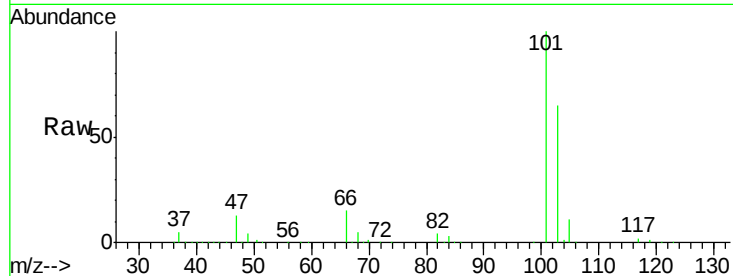
#11
 Trichlorofluoromethane
 Concen: 8.46 ppbv
 RT: 4.69 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion:101 Resp: 1698698
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

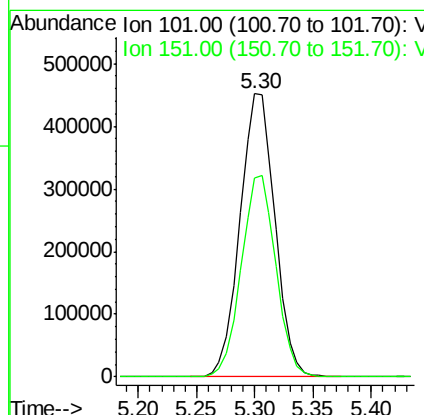
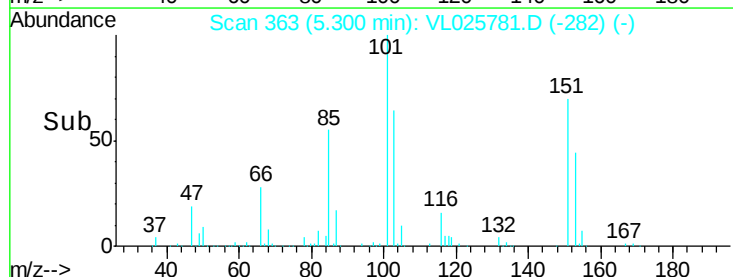
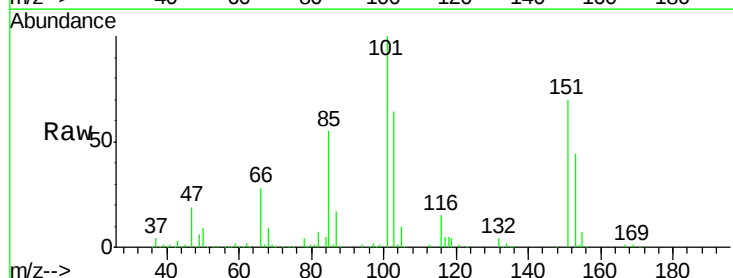
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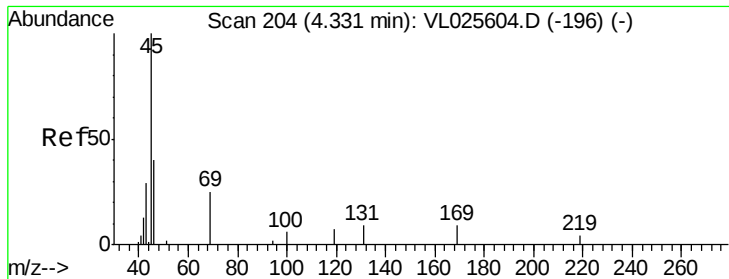
sam
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.23 ppbv
 RT: 5.30 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion:101 Resp: 947567
 Ion Ratio Lower Upper
 101 100
 151 70.4 56.3 84.5





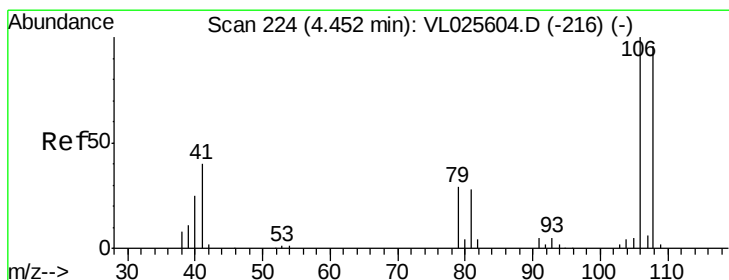
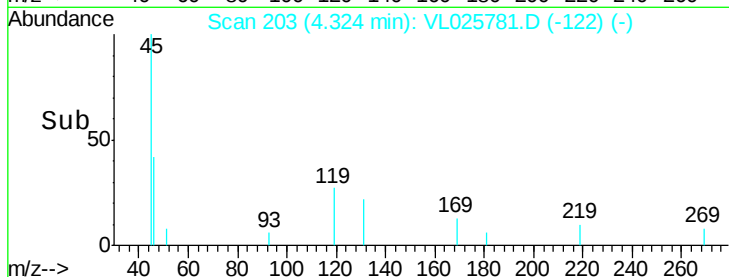
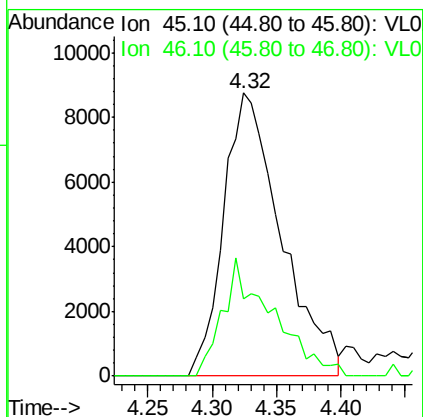
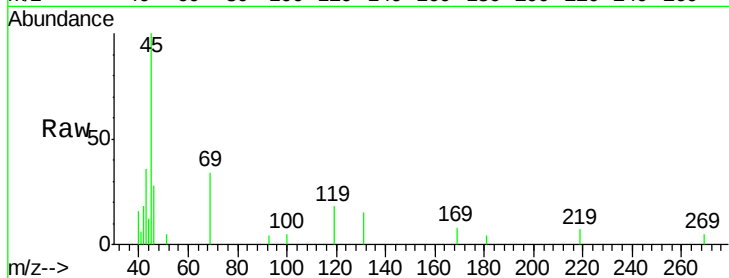
#13
Ethanol
Concen: 6.28 ppbv
RT: 4.32 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 45 Resp: 27327
Ion Ratio Lower Upper
45 100
46 36.1 16.0 64.0

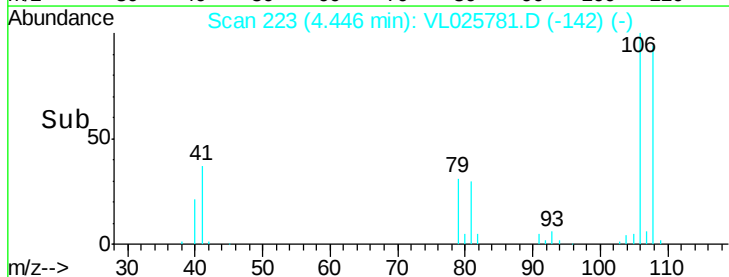
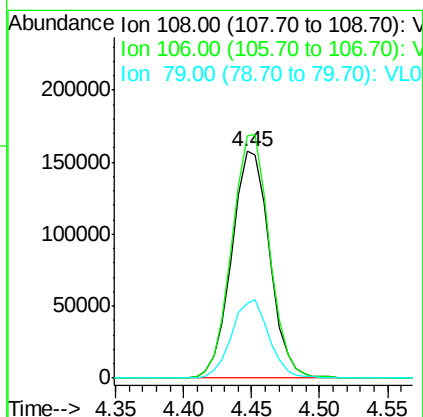
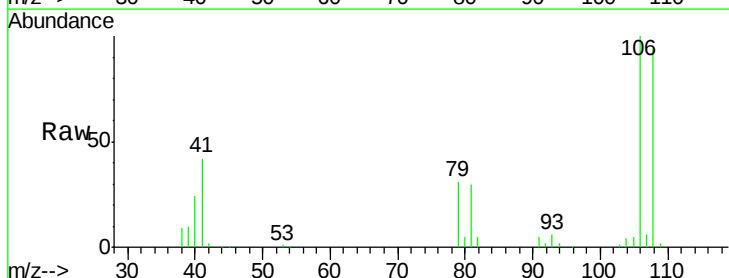
Manual Integrations
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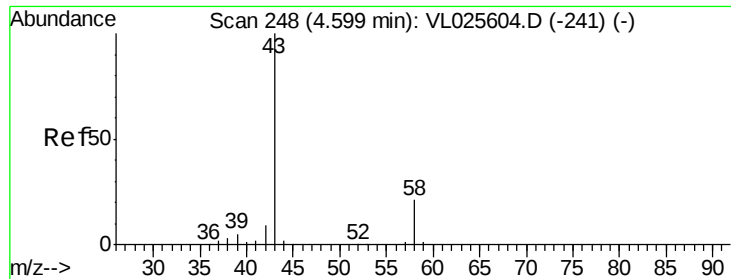
sam
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#14
Bromoethene
Concen: 8.13 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 108 Resp: 307081
Ion Ratio Lower Upper
108 100
106 107.0 85.7 128.5
79 34.1 24.6 36.8





#15

Acetone

Concen: 11.82 ppbv

RT: 4.59 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion: 43 Resp: 1247802

Ion Ratio Lower Upper

43 100

58 22.8 17.2 25.8

Instrument :

MSVOA_L

ClientSampleId :

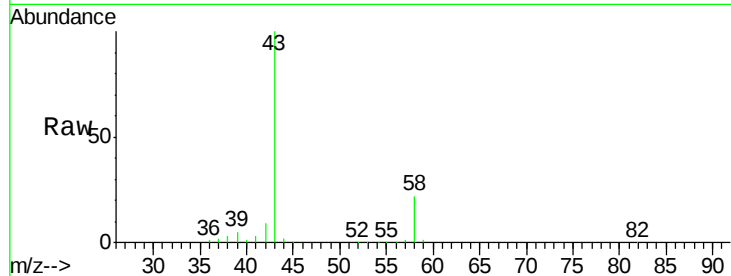
VSTDCCV010

Manual Integrations

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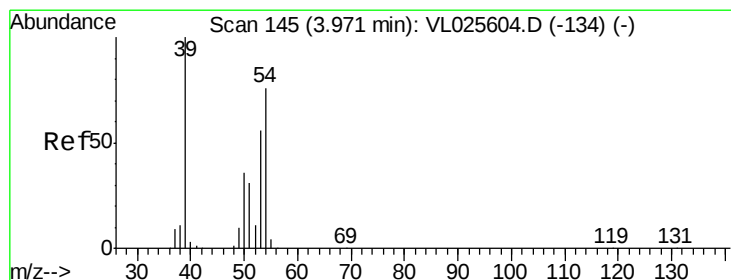
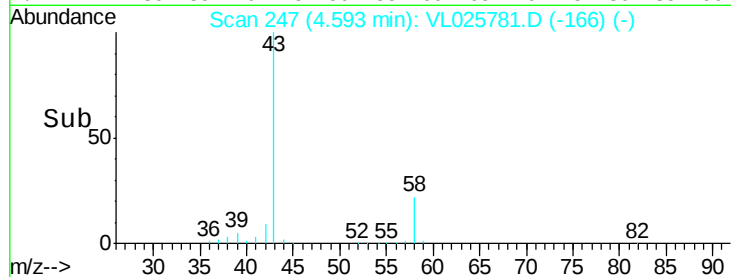
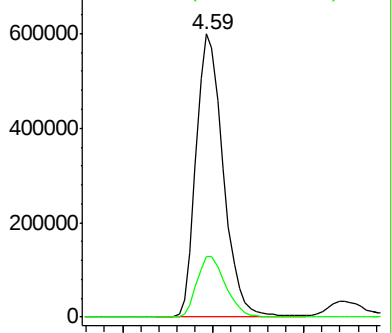
sam

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.27 ppbv

RT: 3.96 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL025781.D

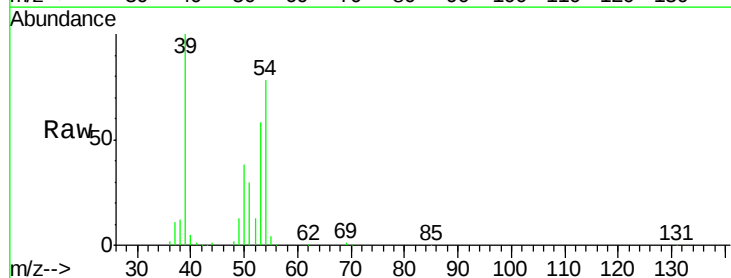
Acq: 28 Jul 2015 9:59

Tgt Ion: 39 Resp: 347526

Ion Ratio Lower Upper

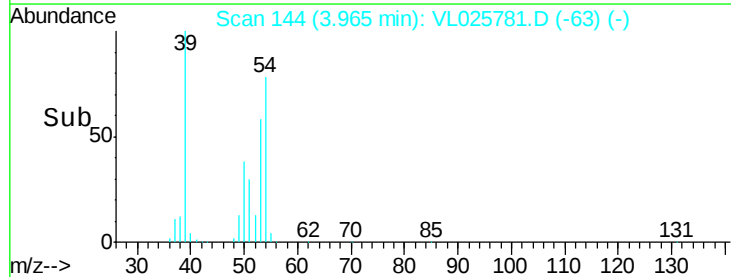
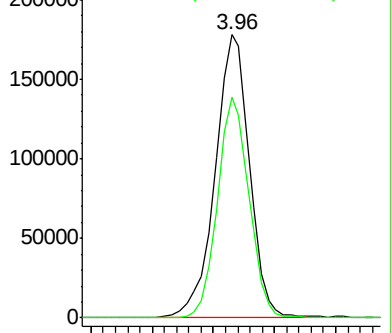
39 100

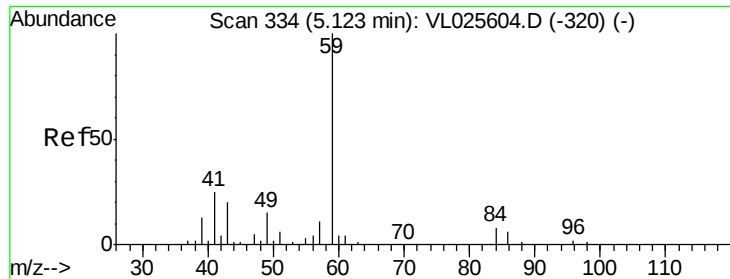
54 72.0 59.3 88.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

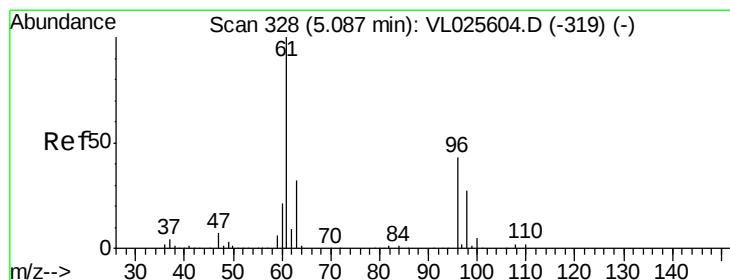
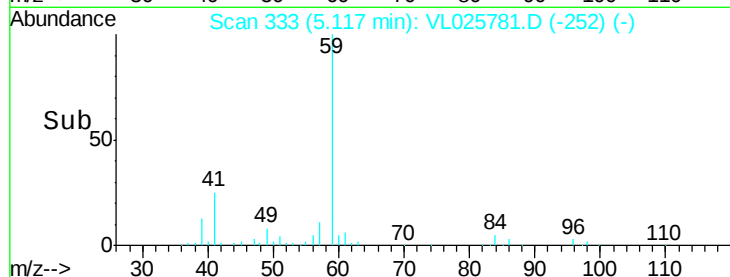
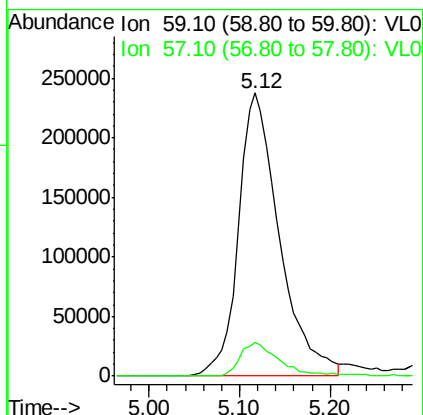
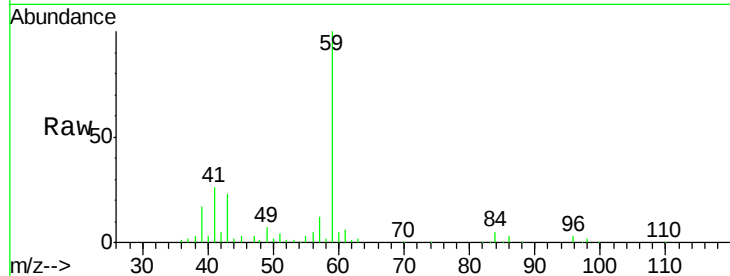
tert-Butyl alcohol
Concen: 8.40 ppbv
RT: 5.12 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 59 Resp: 743718
Ion Ratio Lower Upper
59 100
57 12.0 9.4 14.2

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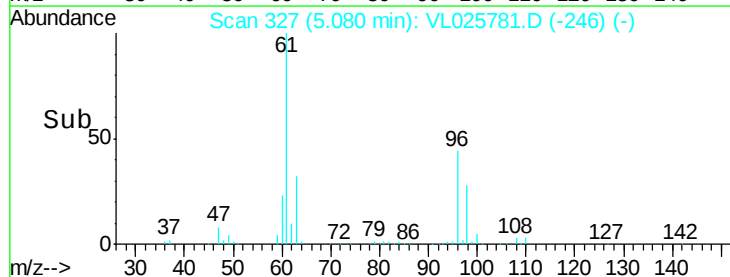
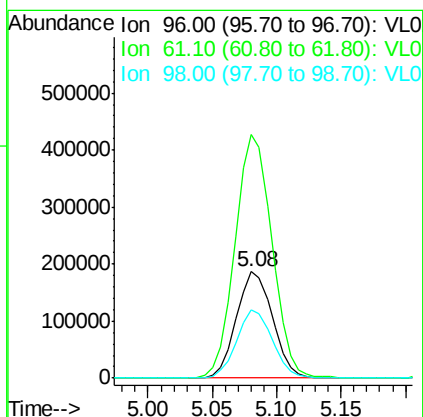
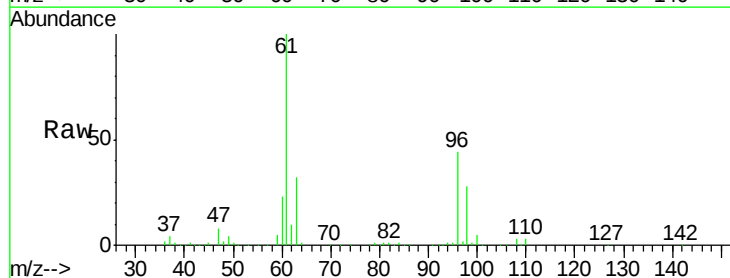
sam
7/28/2015 12:00:07 PM

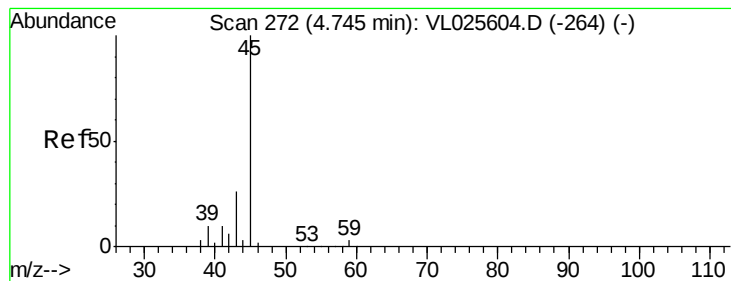


#18

1,1-Dichloroethene
Concen: 8.24 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 96 Resp: 363037
Ion Ratio Lower Upper
96 100
61 228.6 184.1 276.1
98 64.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 6.83 ppbv

RT: 4.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 45 Resp: 287809

Ion Ratio Lower Upper

45 100

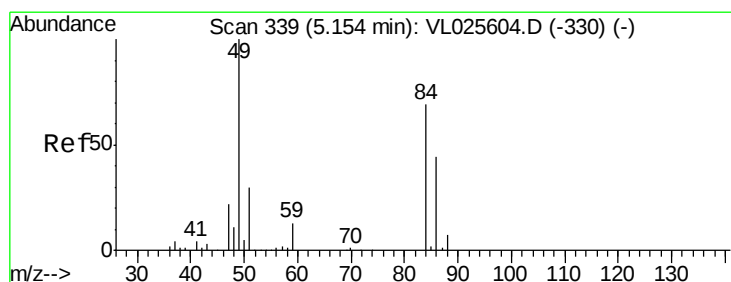
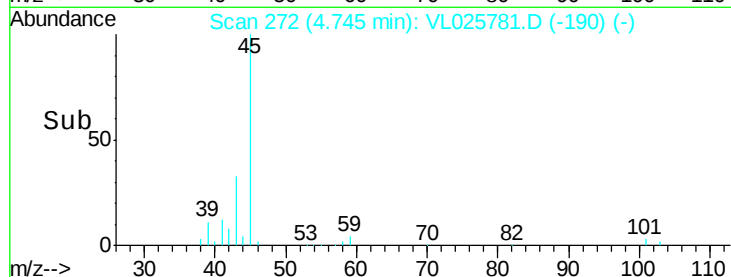
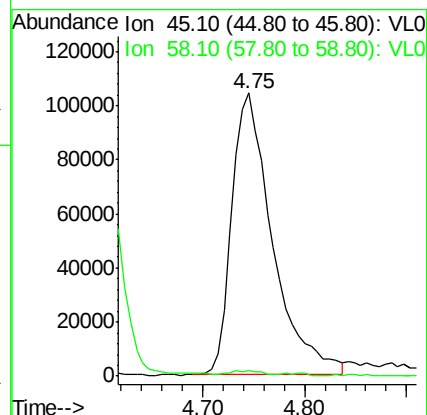
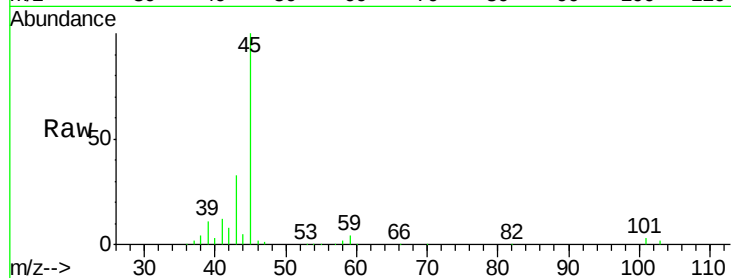
58 0.0 1.1 1.7#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.59 ppbv

RT: 5.15 min Scan# 338

Delta R.T. -0.01 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion: 84 Resp: 325409

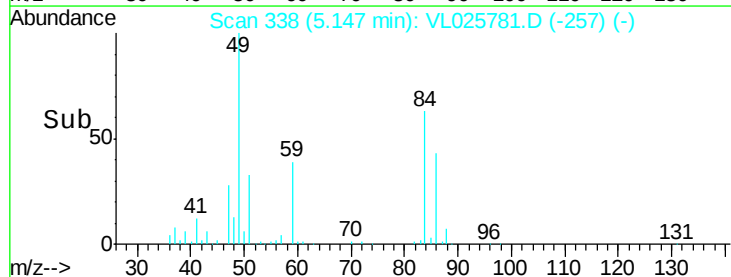
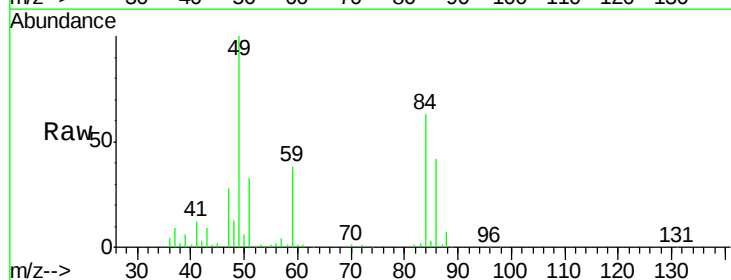
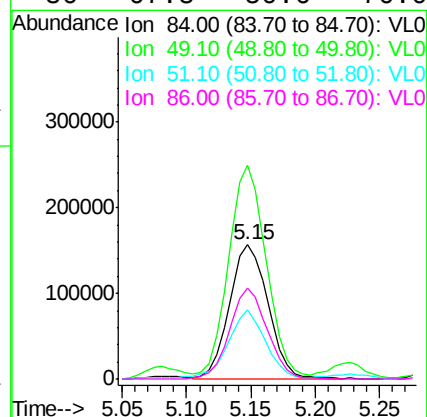
Ion Ratio Lower Upper

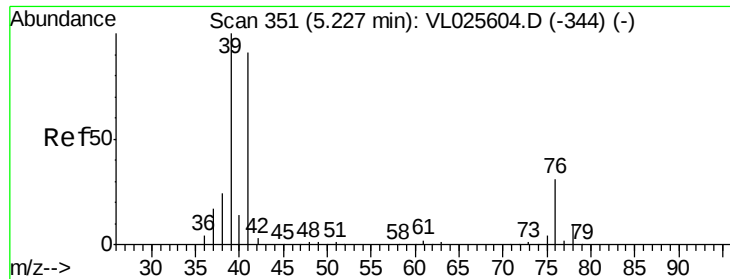
84 100

49 156.4 115.2 172.8

51 50.1 35.0 52.6

86 67.8 50.6 76.0





#21

Allyl Chloride

Concen: 7.76 ppbv

RT: 5.23 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

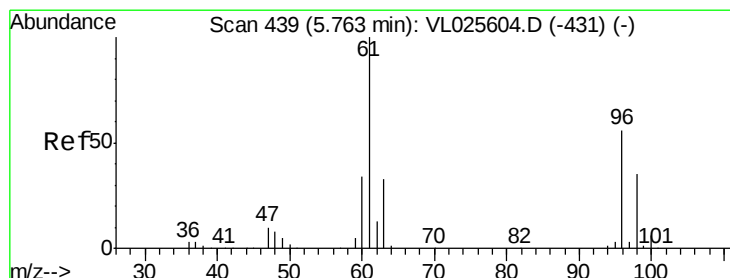
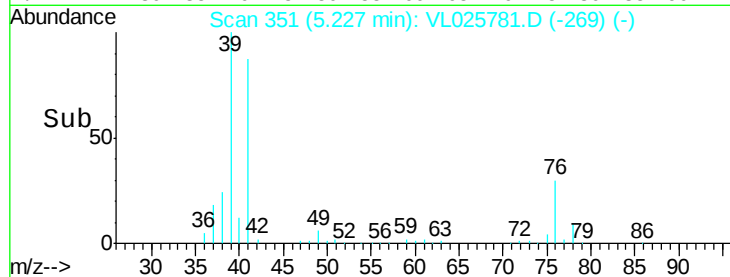
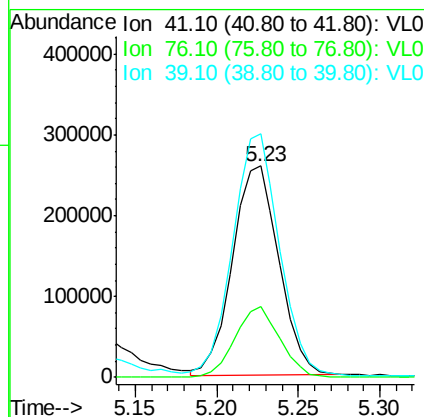
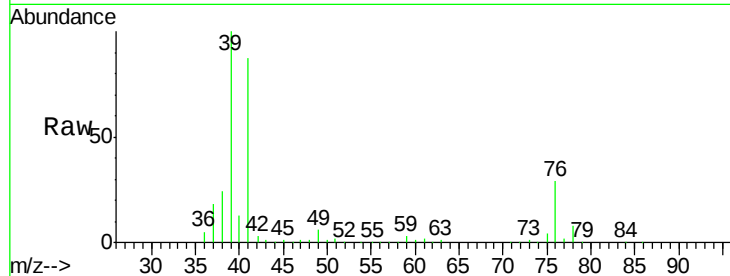
ClientSampleId :

VSTDCCV010

Tgt Ion:	41	Resp:	512619
Ion Ratio	Lower	Upper	
41	100		
76	32.6	26.6	40.0
39	118.2	88.2	132.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.11 ppbv

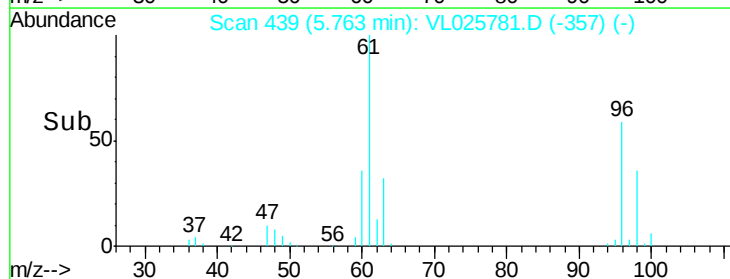
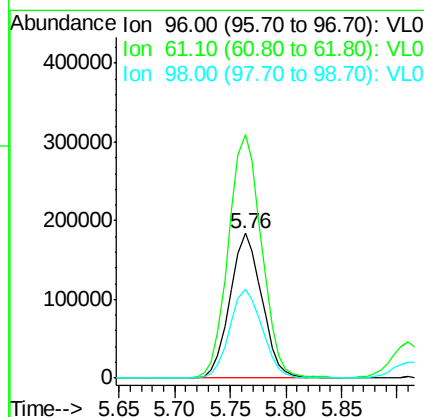
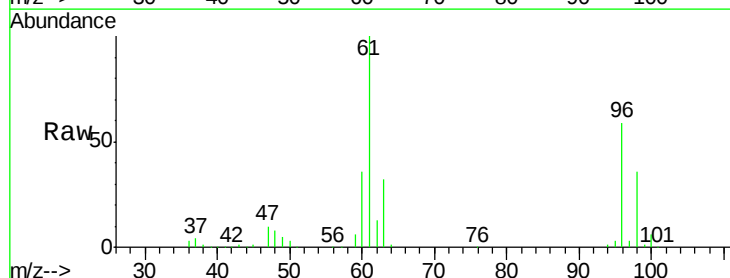
RT: 5.76 min Scan# 439

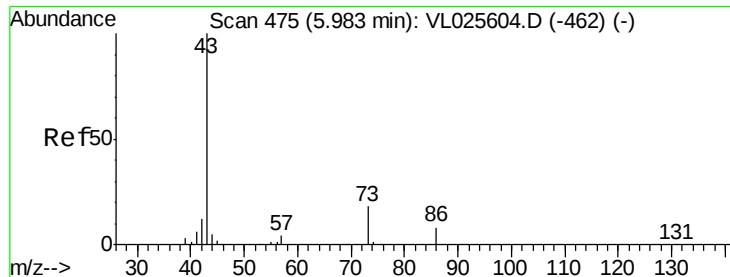
Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion:	96	Resp:	365091
Ion Ratio	Lower	Upper	
96	100		
61	168.1	141.8	212.6
98	61.4	49.0	73.6





#23

Vinyl Acetate

Concen: 9.52 ppbv

RT: 5.98 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 43 Resp: 1522882

Ion Ratio Lower Upper

43 100

86 9.0 6.7 10.1

42 12.5 9.8 14.6

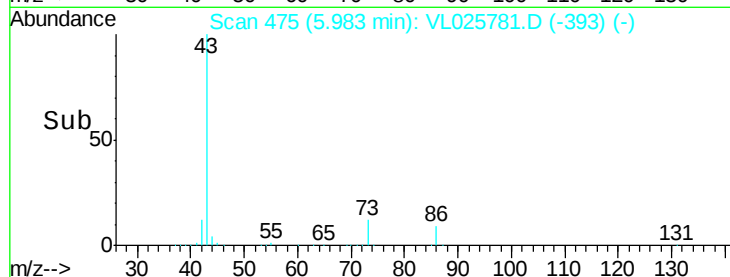
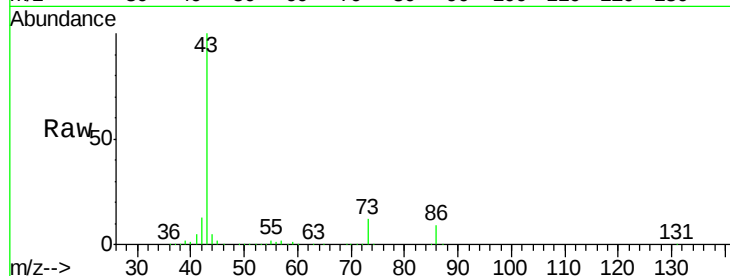
44 4.5 4.1 6.1

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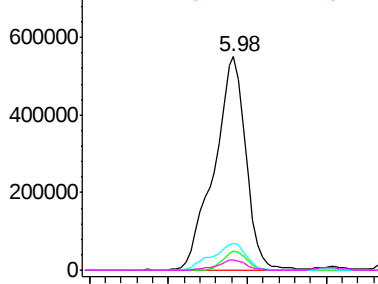


Abundance Ion 43.10 (42.80 to 43.80): VL0

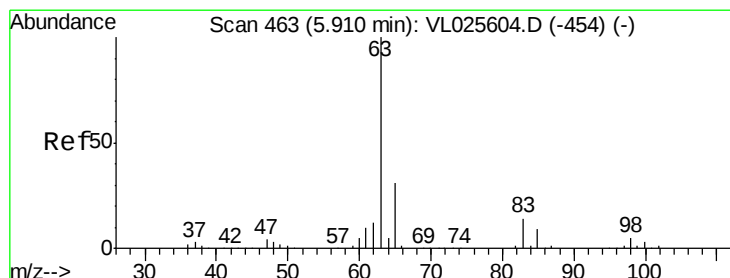
Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->



#24

1,1-Dichloroethane

Concen: 8.04 ppbv

RT: 5.91 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

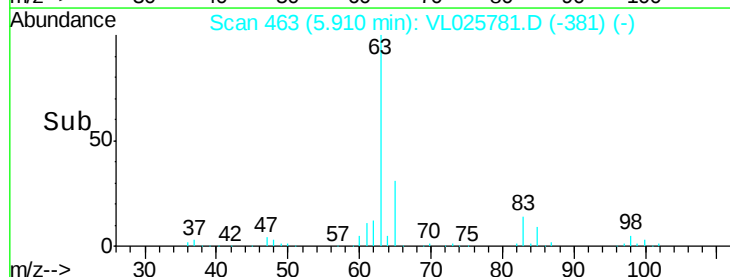
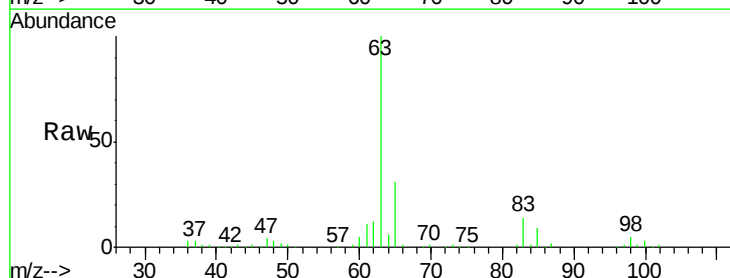
Tgt Ion: 63 Resp: 862114

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

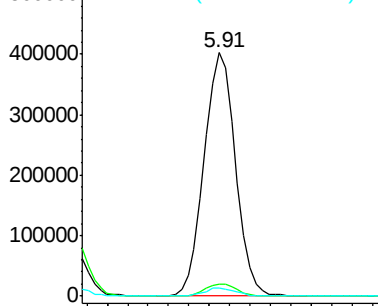
100 3.1 1.6 4.7



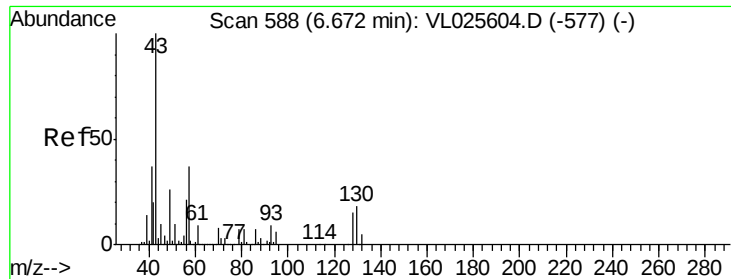
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->



#25

Ethyl Acetate

Concen: 8.20 ppbv

RT: 6.67 min Scan# 587

Delta R.T. -0.01 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 43 Resp: 1309608

Ion Ratio Lower Upper

43 100

45 9.0 7.5 11.3

61 8.2 6.6 10.0

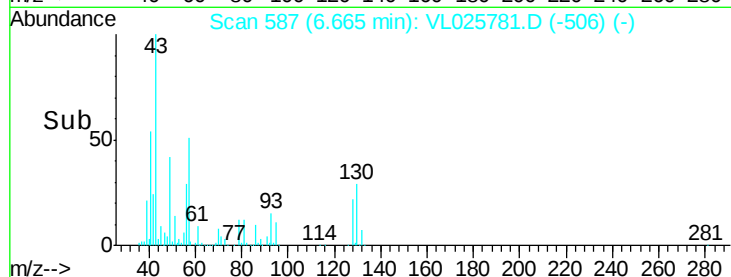
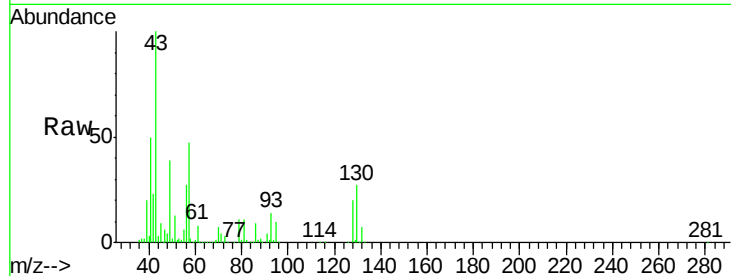
70 7.2 6.0 9.0

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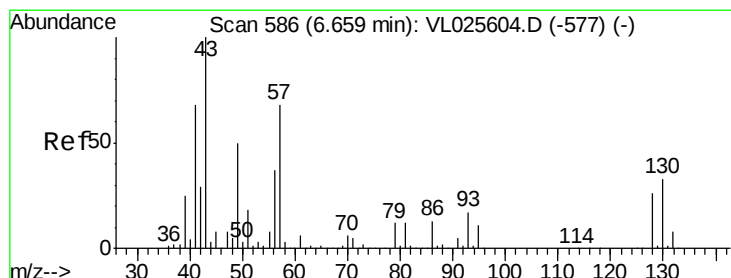
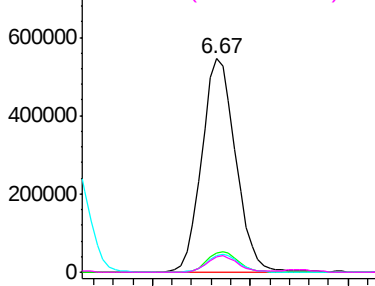
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.10 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion: 57 Resp: 609164

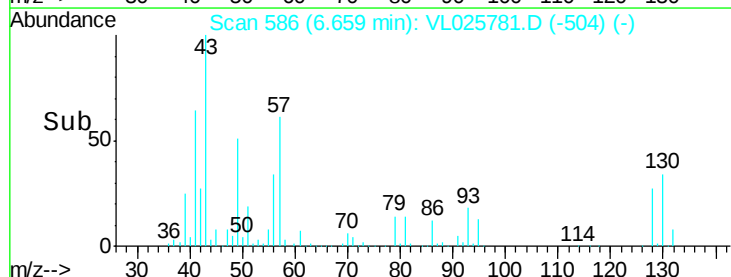
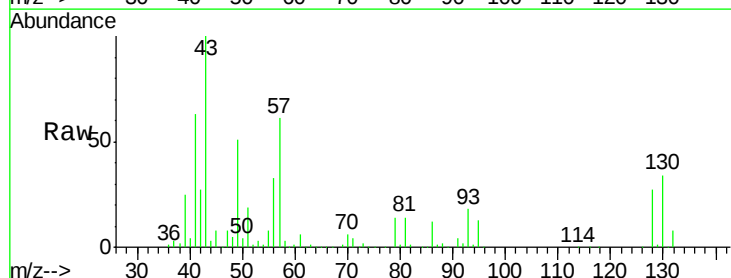
Ion Ratio Lower Upper

57 100

41 108.6 81.4 122.2

43 215.4 171.4 257.2

56 56.5 44.5 66.7



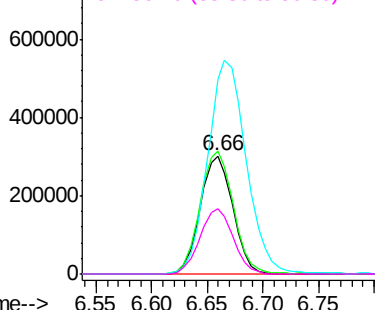
Abundance

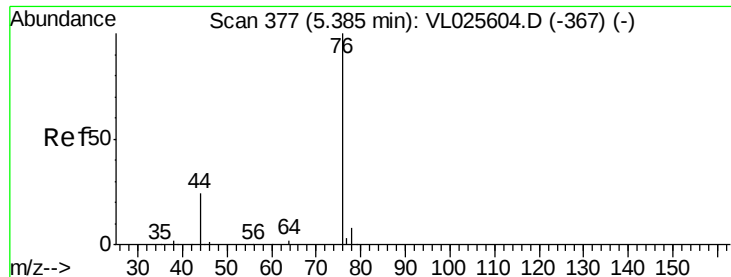
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





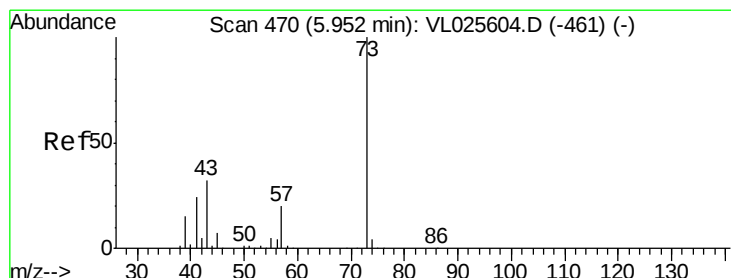
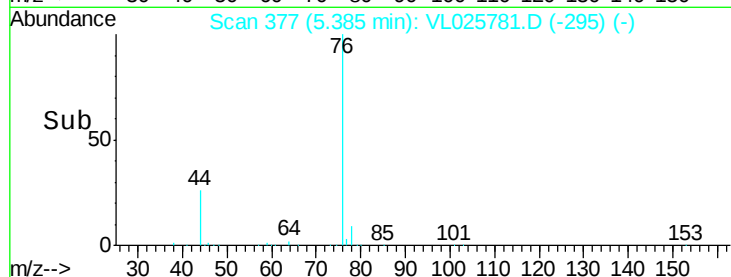
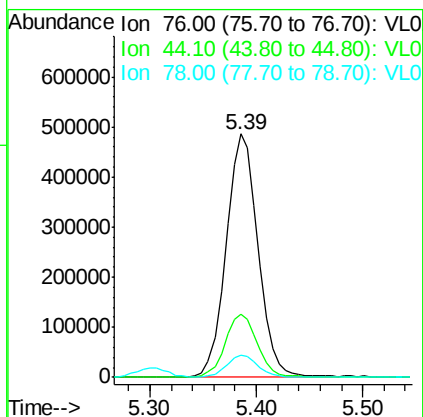
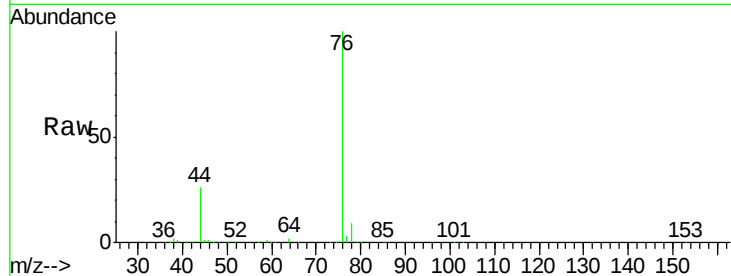
#27
Carbon Disulfide
Concen: 8.32 ppbv
RT: 5.39 min Scan# 377
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 76 Resp: 1013207
Ion Ratio Lower Upper
76 100
44 26.1 20.2 30.4
78 9.3 7.4 11.2

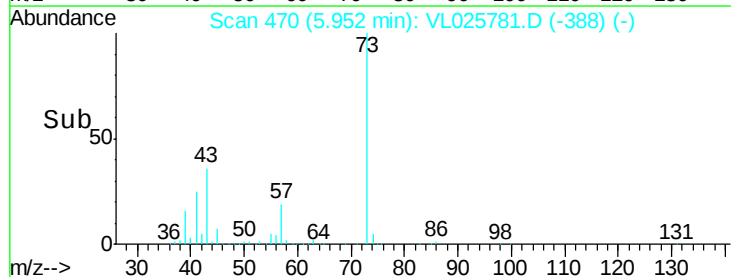
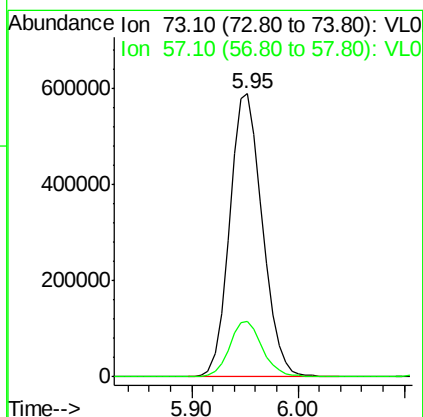
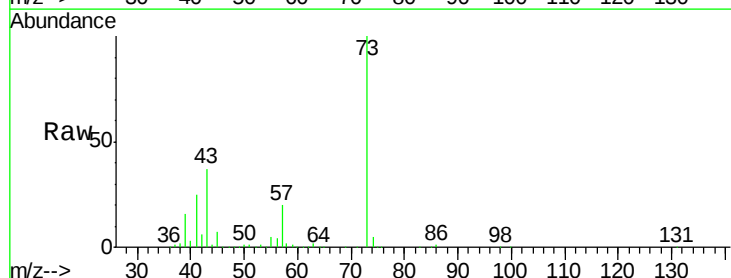
Manual Integrations
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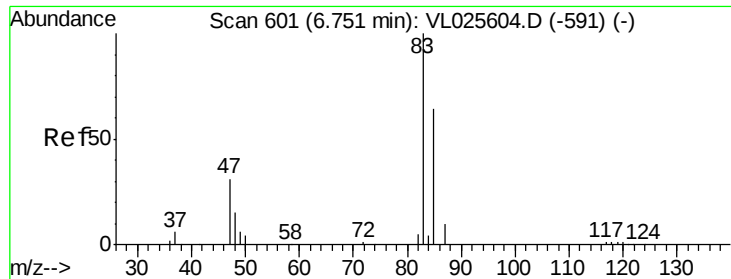
sam
7/28/2015 12:00:07 PM



#28
Methyl tert-Butyl Ether
Concen: 8.49 ppbv
RT: 5.95 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 73 Resp: 1269124
Ion Ratio Lower Upper
73 100
57 19.8 16.0 24.0





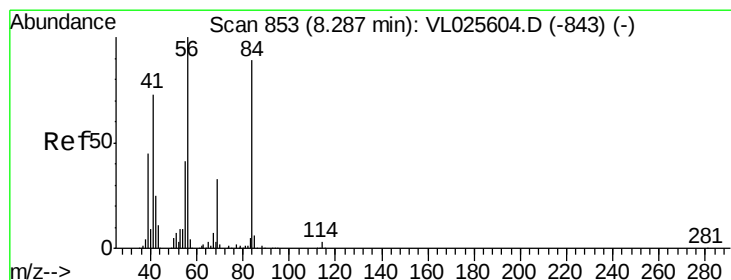
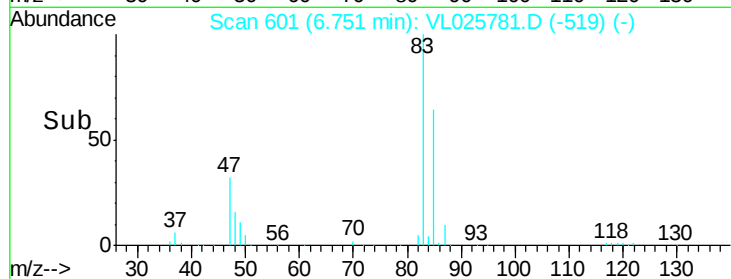
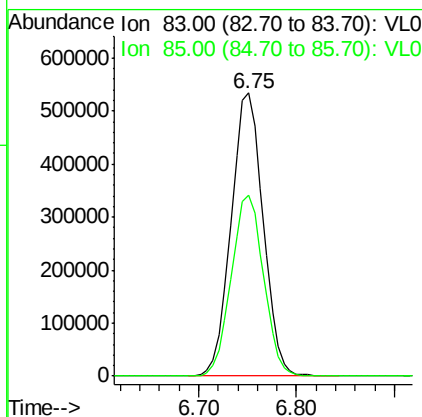
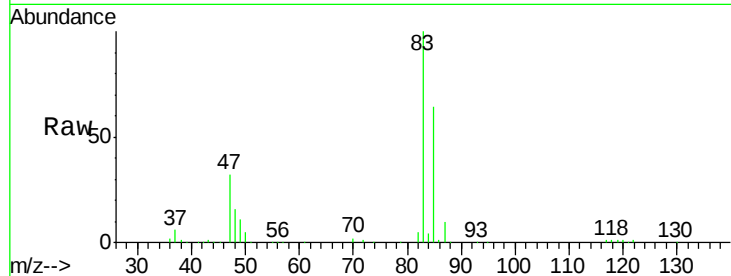
#29
Chloroform
Concen: 8.16 ppbv
RT: 6.75 min Scan# 601
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 83 Resp: 1212327
Ion Ratio Lower Upper
83 100
85 63.8 51.6 77.4

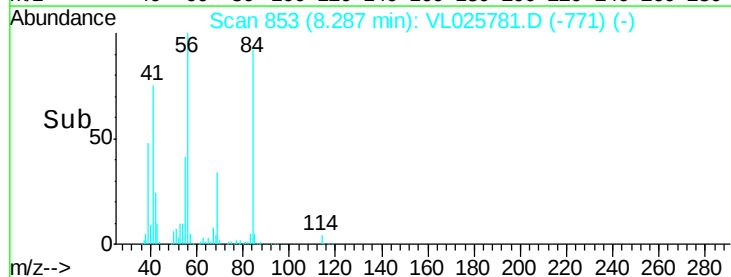
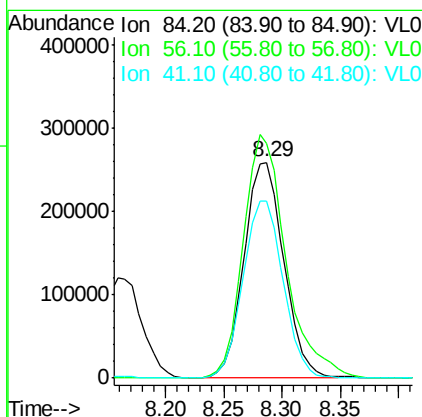
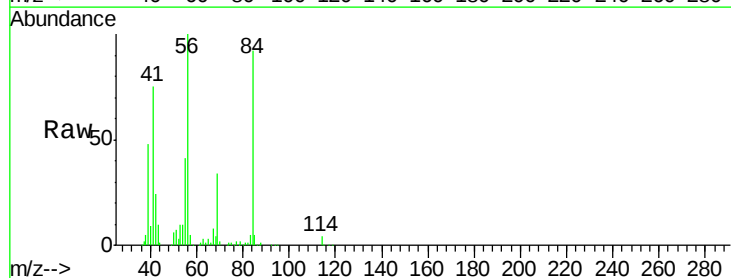
Manual Integrations
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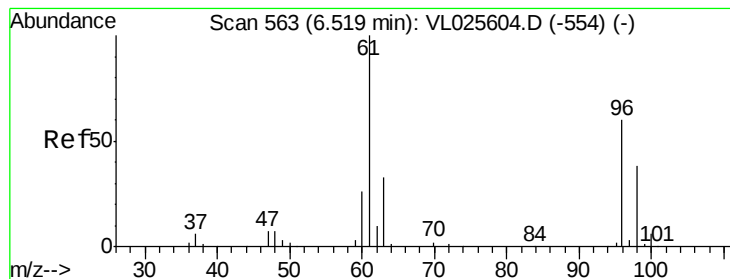
sam
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#30
Cyclohexane
Concen: 8.53 ppbv
RT: 8.29 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 84 Resp: 613040
Ion Ratio Lower Upper
84 100
56 122.4 97.5 146.3
41 83.7 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 8.63 ppbv

RT: 6.52 min Scan# 563

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 61 Resp: 644655
Ion Ratio Lower Upper

61 100

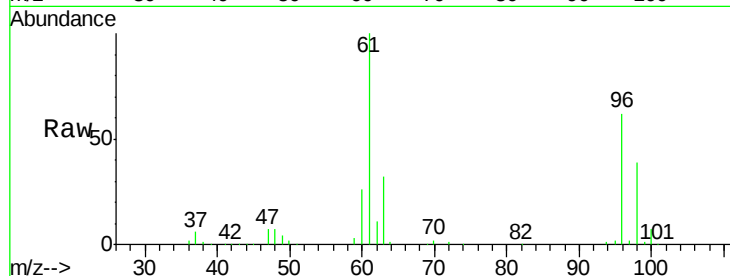
96 62.3 48.1 72.1

98 39.0 30.7 46.1

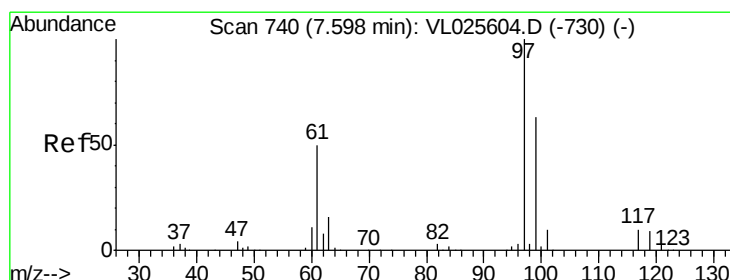
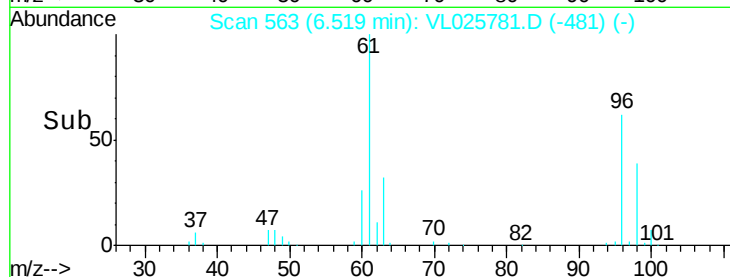
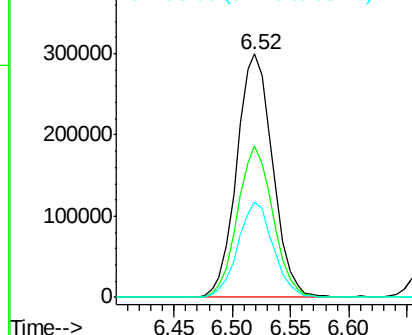
Manual Integrations
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sam

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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.53 ppbv

RT: 7.60 min Scan# 740

Delta R.T. 0.00 min

Lab File: VL025781.D

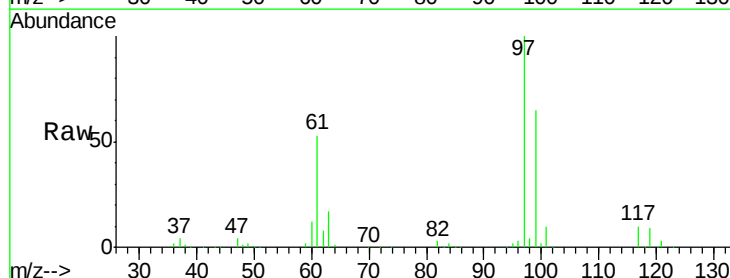
Acq: 28 Jul 2015 9:59

Tgt Ion: 97 Resp: 1377024
Ion Ratio Lower Upper

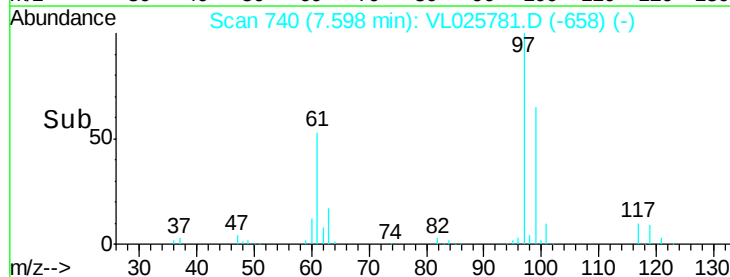
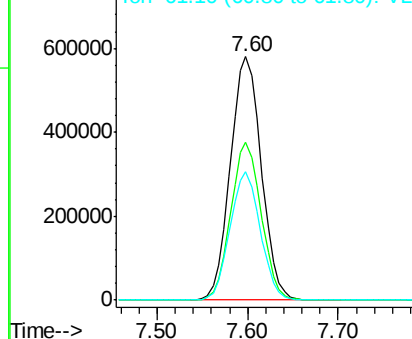
97 100

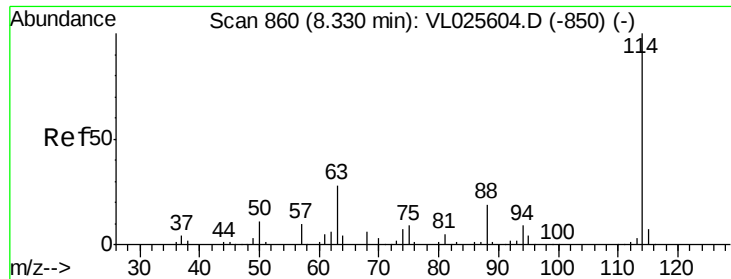
99 63.7 51.2 76.8

61 51.7 40.4 60.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





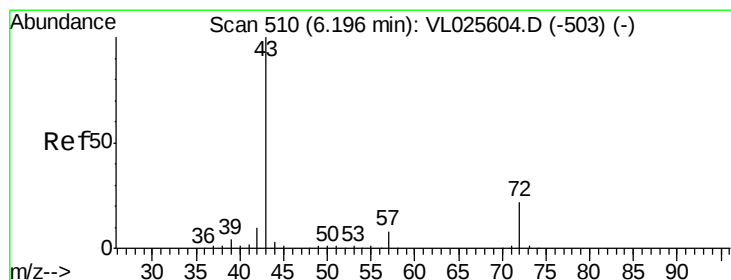
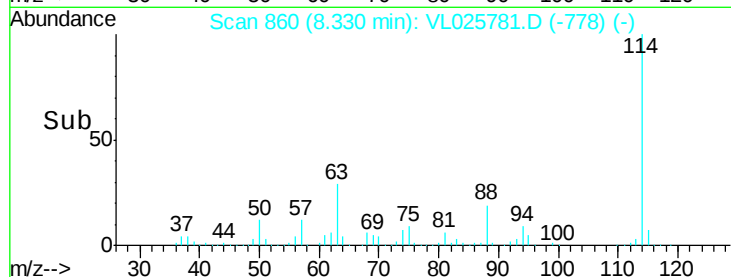
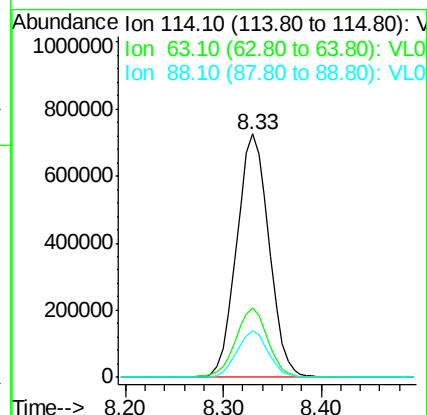
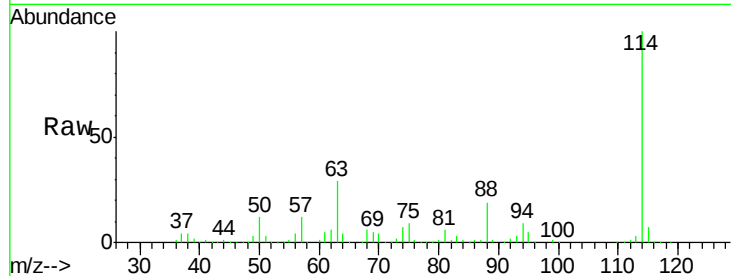
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion: 114 Resp: 1660473
 Ion Ratio Lower Upper
 114 100
 63 28.7 22.4 33.6
 88 18.6 15.0 22.4

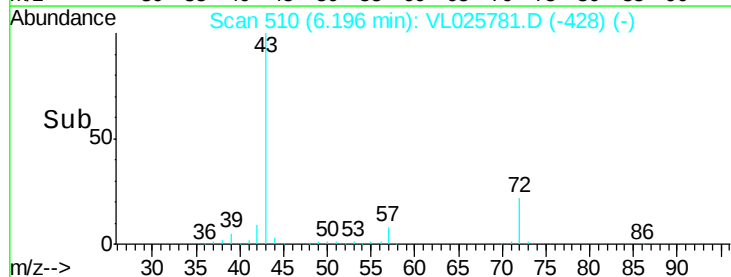
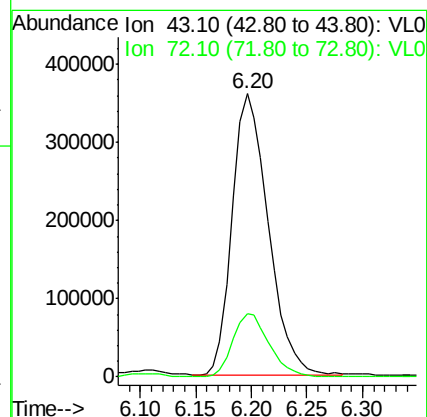
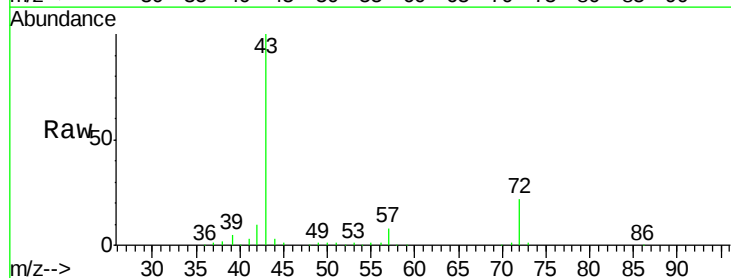
Manual Integrations
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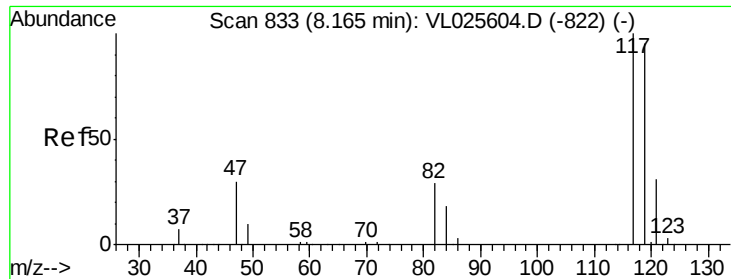
sam
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#34
 2-Butanone
 Concen: 8.58 ppbv
 RT: 6.20 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion: 43 Resp: 808014
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.6 28.0





#35

Carbon Tetrachloride

Concen: 8.44 ppbv

RT: 8.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 117 Resp: 1492413

Ion Ratio Lower Upper

117 100

119 96.2 75.9 113.9

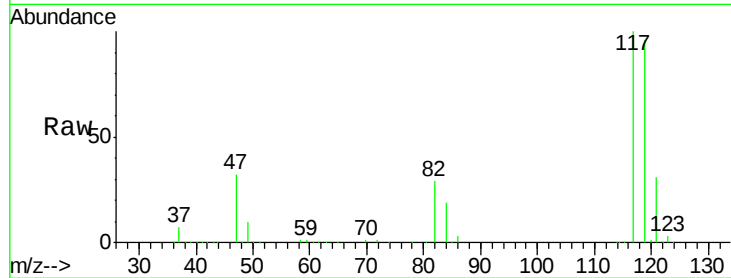
121 31.0 24.4 36.6

Manual Integrations

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sam

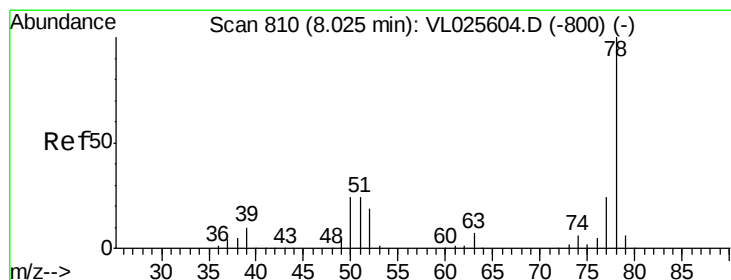
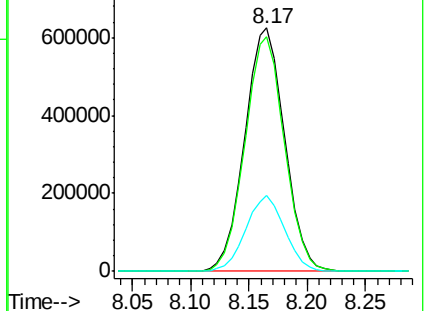
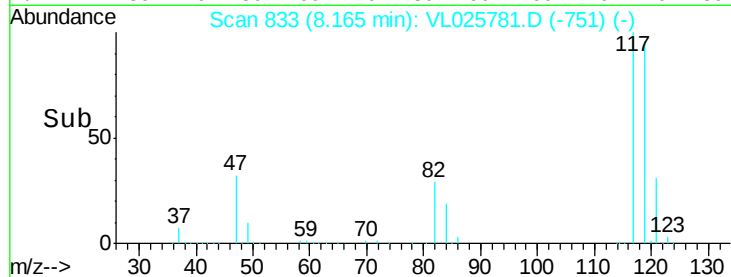
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.44 ppbv

RT: 8.02 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

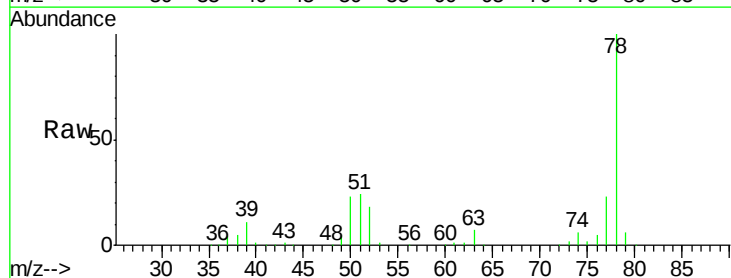
Tgt Ion: 78 Resp: 1342384

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4

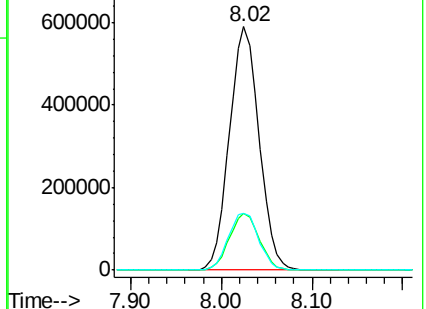
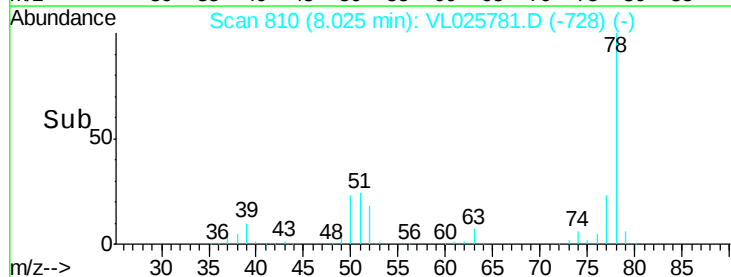
50 23.4 19.2 28.8

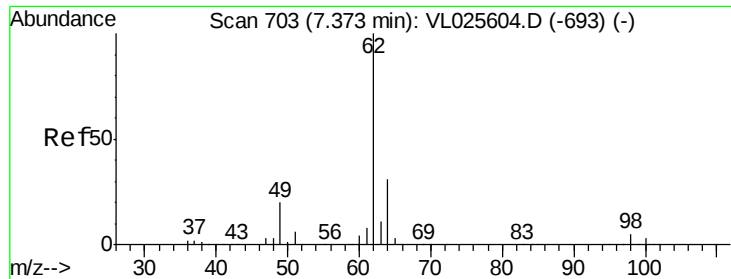


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





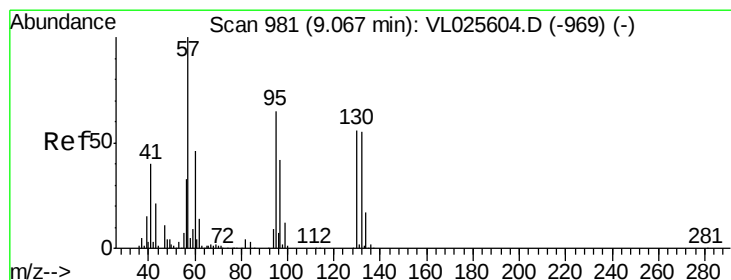
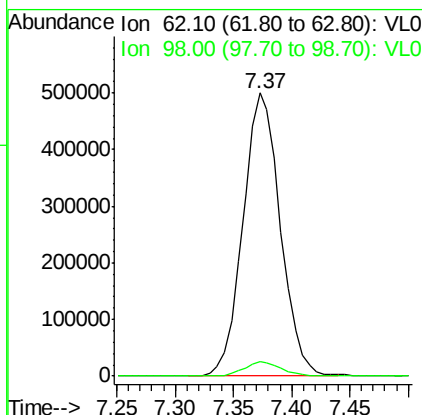
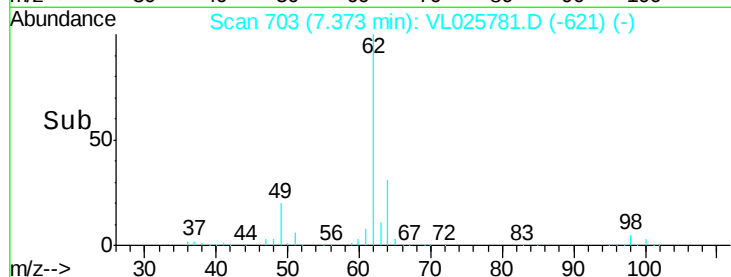
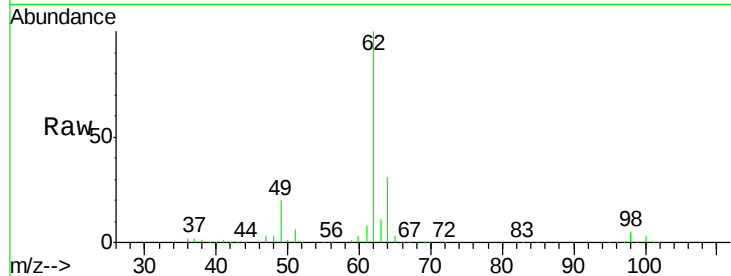
#37
1,2-Dichloroethane
Concen: 8.20 ppbv
RT: 7.37 min Scan# 703
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 62 Resp: 1113094
Ion Ratio Lower Upper
62 100
98 5.0 4.1 6.1

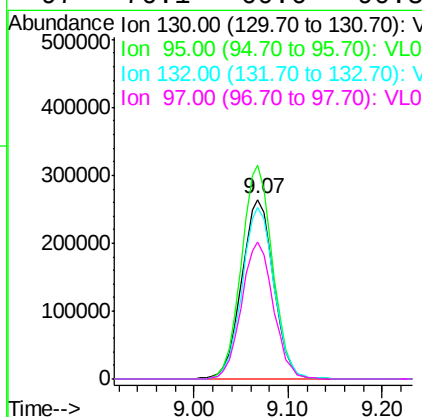
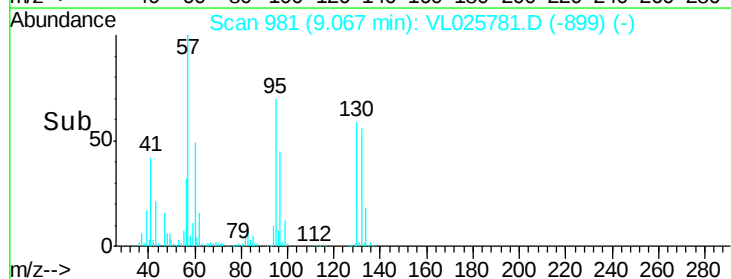
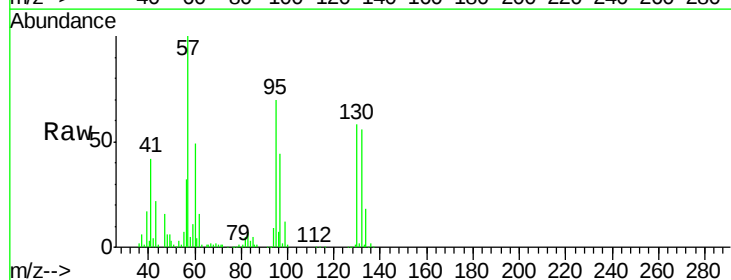
Manual Integrations
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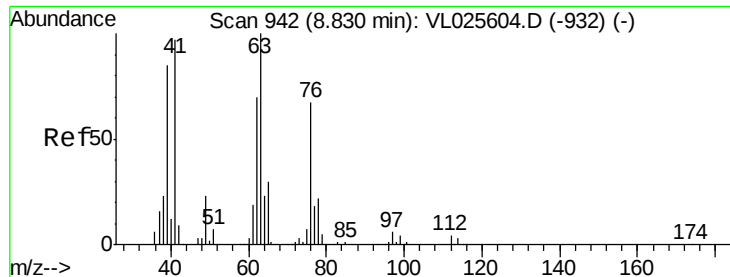
sam
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#38
Trichloroethene
Concen: 8.52 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 130 Resp: 629881
Ion Ratio Lower Upper
130 100
95 119.0 94.2 141.4
132 95.5 78.6 118.0
97 76.1 60.6 90.8





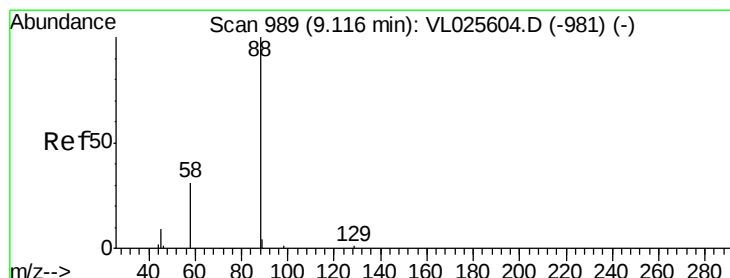
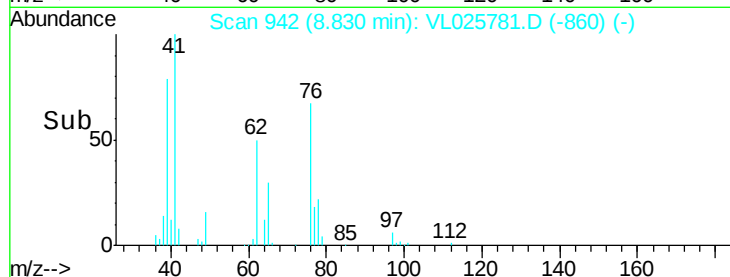
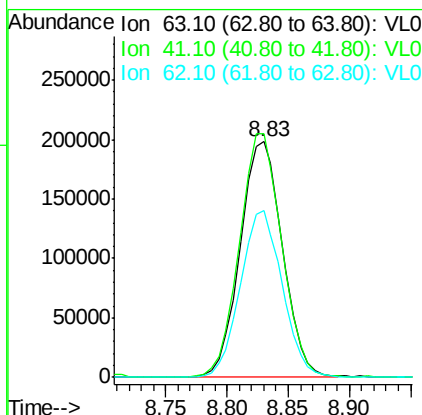
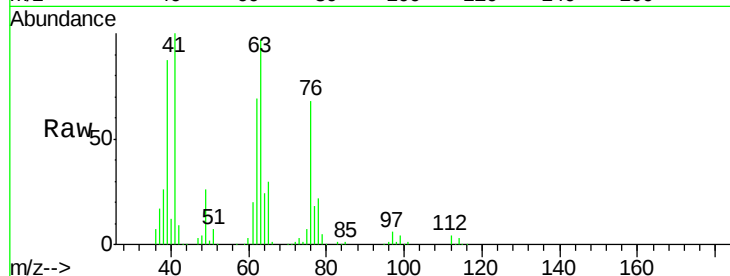
#39
 1,2-Dichloropropane
 Concen: 8.12 ppbv
 RT: 8.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	103.2	78.0	117.0
62	71.1	55.7	83.5

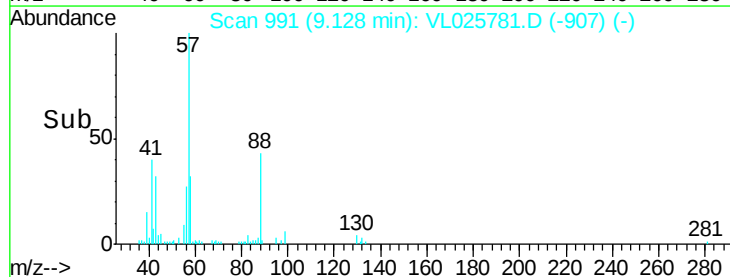
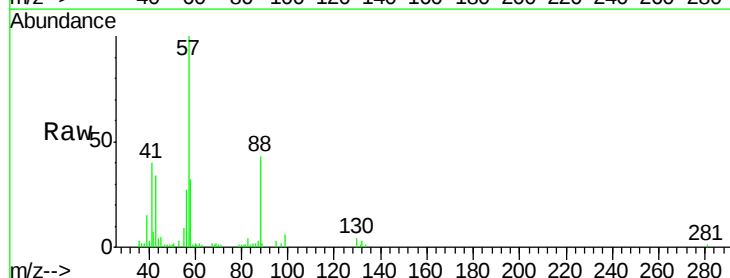
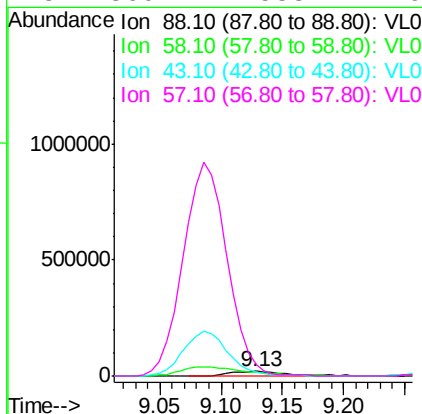
Manual Integrations
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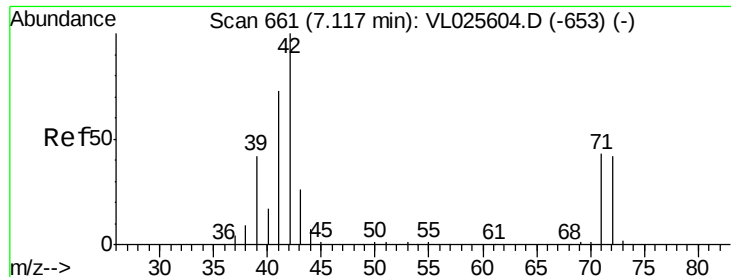
sam
 7/28/2015 12:00:07 PM



#40
 1,4-Dioxane
 Concen: 6.77 ppbv
 RT: 9.13 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	244.7	127.1	190.7#
43	809.4	337.7	506.5#
57	3691.1	1533.2	2299.8#





#41

Tetrahydrofuran

Concen: 8.46 ppbv

RT: 7.12 min Scan# 661

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

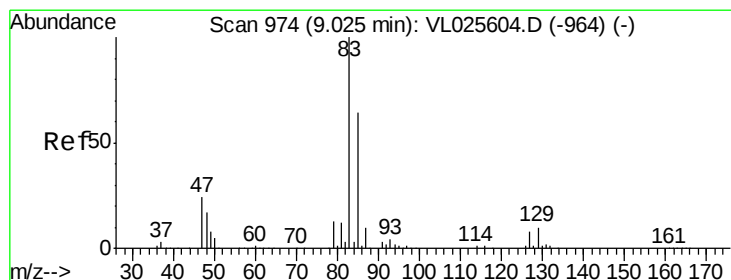
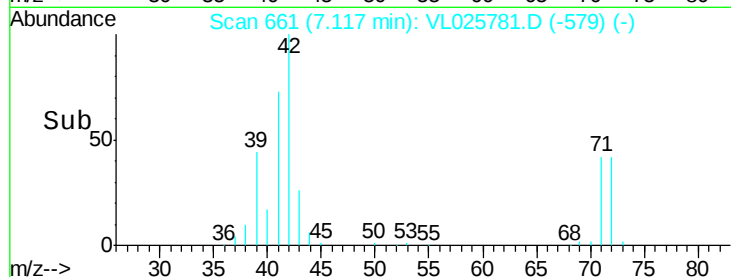
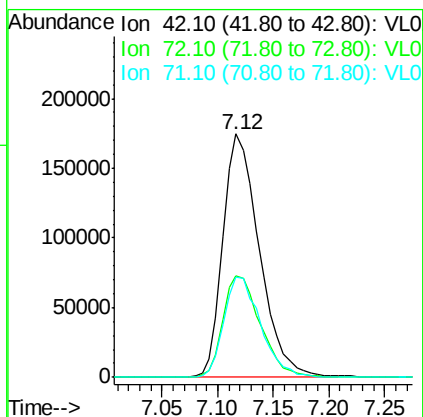
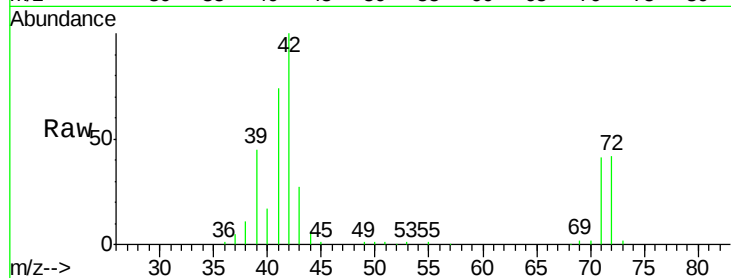
VSTDCCV010

Tgt Ion:	42	Resp:	397855
Ion Ratio		Lower	Upper
42	100		
72	42.9	34.0	51.0
71	41.8	33.0	49.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.58 ppbv

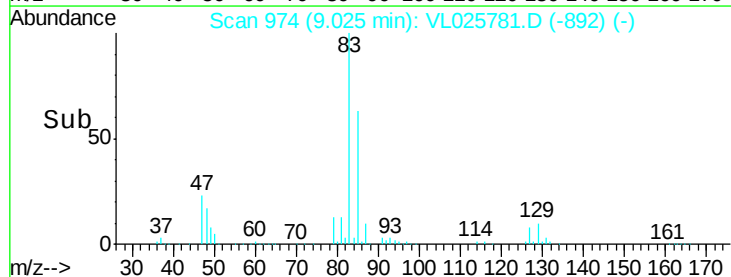
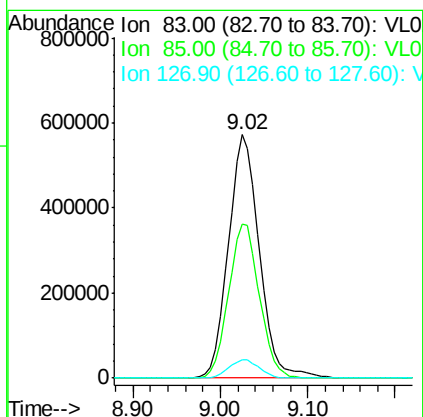
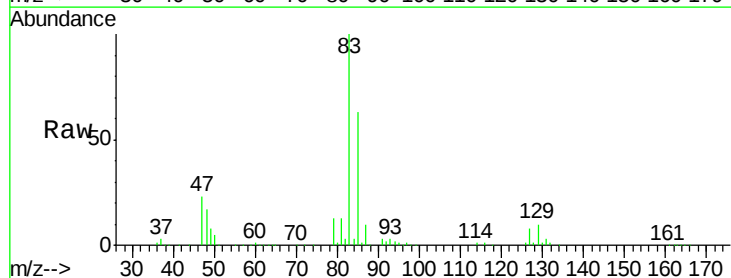
RT: 9.02 min Scan# 974

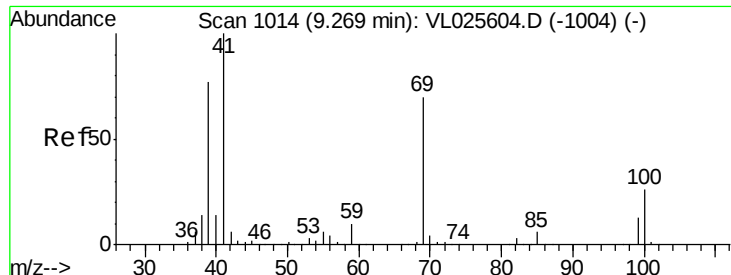
Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion:	83	Resp:	1405322
Ion Ratio		Lower	Upper
83	100		
85	63.3	51.3	76.9
127	7.6	6.0	9.0





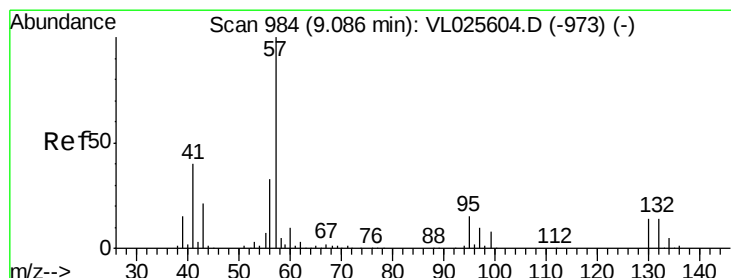
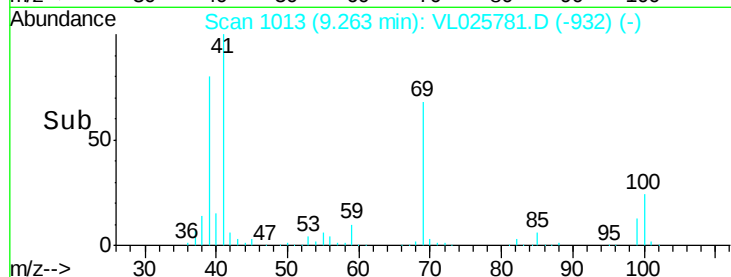
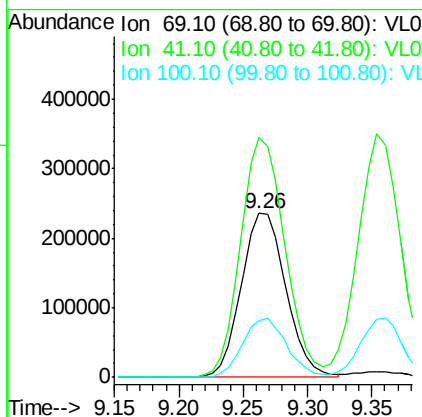
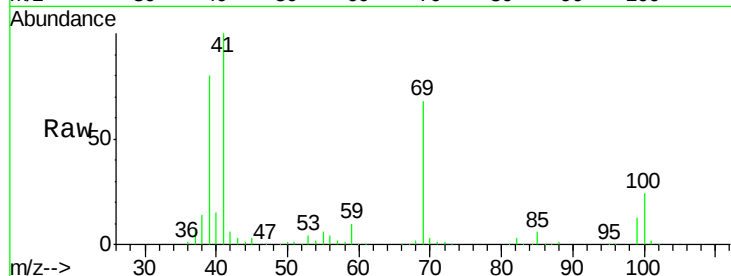
#43
Methyl Methacrylate
Concen: 9.28 ppbv
RT: 9.26 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	146.0	117.3	175.9
100	36.0	29.0	43.6

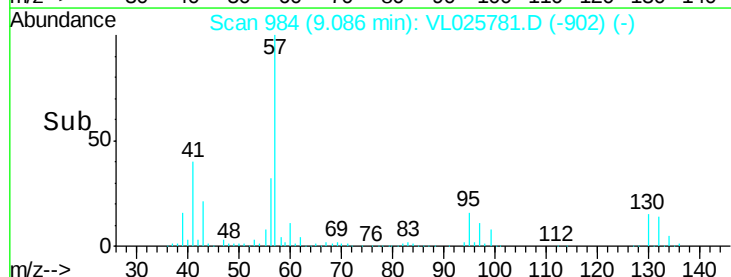
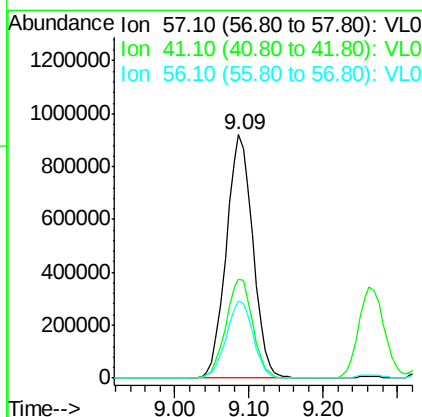
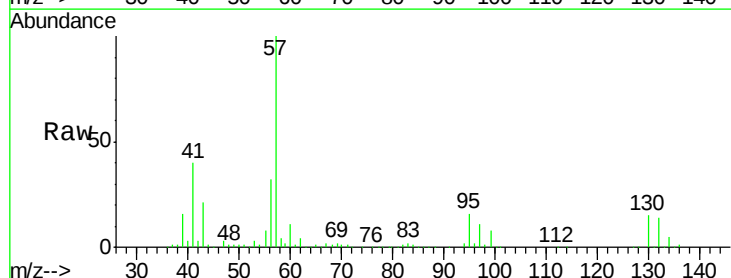
Manual Integrations
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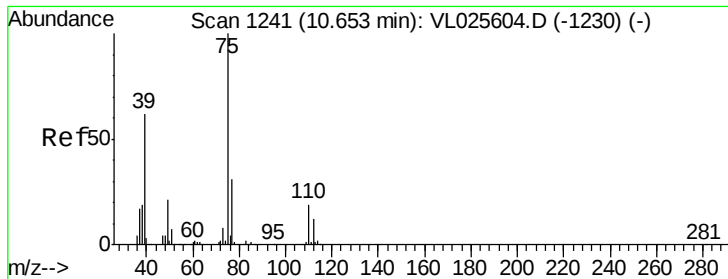
sam
7/28/2015 12:00:07 PM



#44
2,2,4-Trimethylpentane
Concen: 8.43 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.0	31.2	46.8
56	31.9	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 9.08 ppbv

RT: 10.65 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 75 Resp: 932530

Ion Ratio Lower Upper

75 100

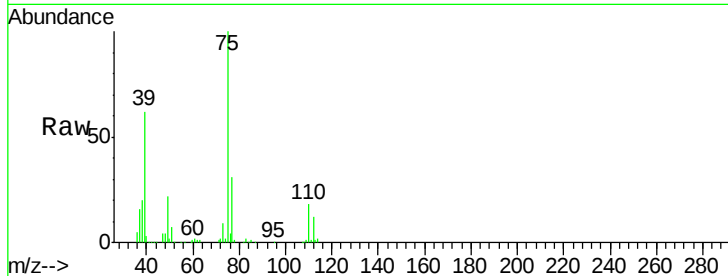
77 30.9 24.6 37.0

Manual Integrations

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sam

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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

400000

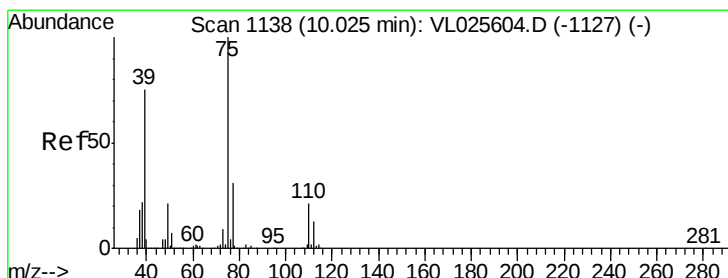
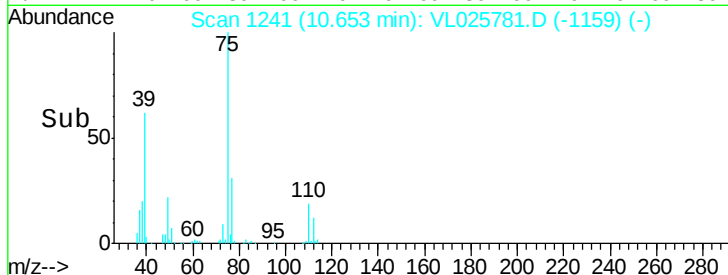
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.04 ppbv

RT: 10.02 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

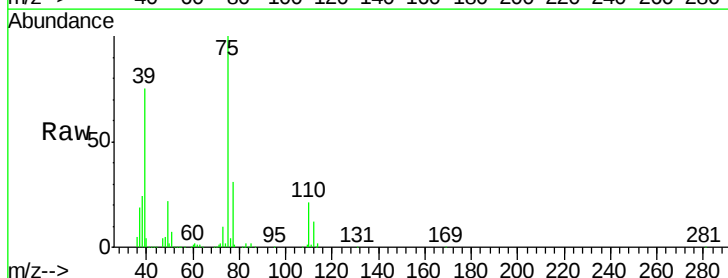
Tgt Ion: 75 Resp: 1026000

Ion Ratio Lower Upper

75 100

39 75.1 60.4 90.6

77 31.0 24.6 37.0



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

500000

400000

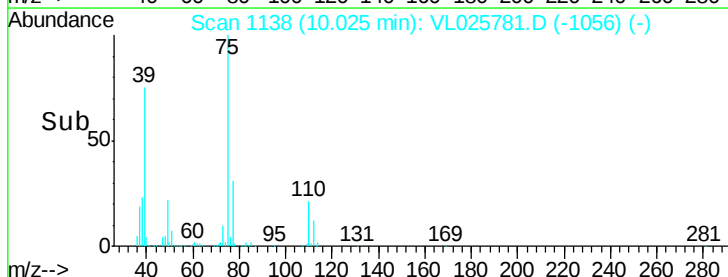
300000

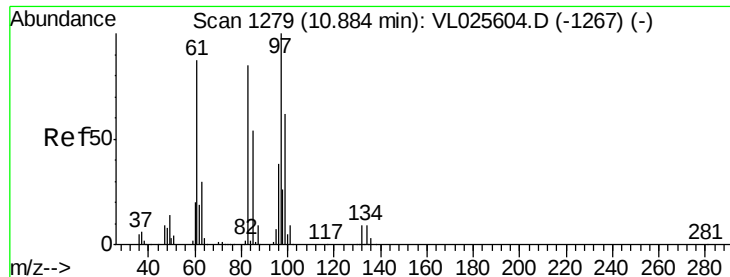
200000

100000

0

Time-->





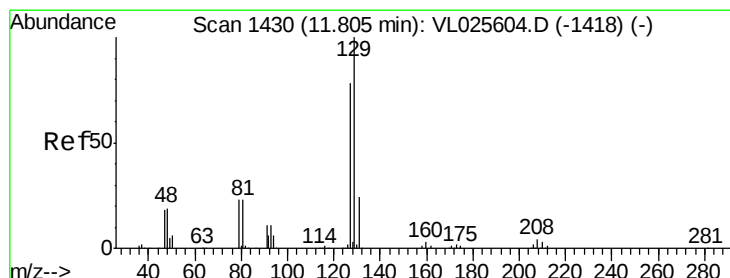
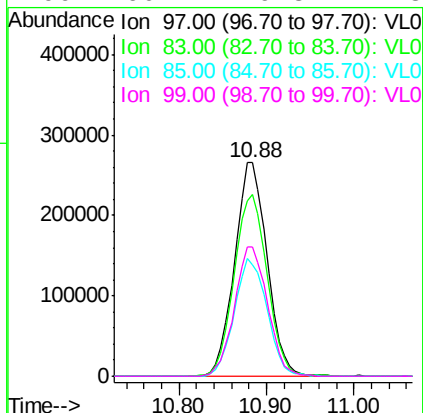
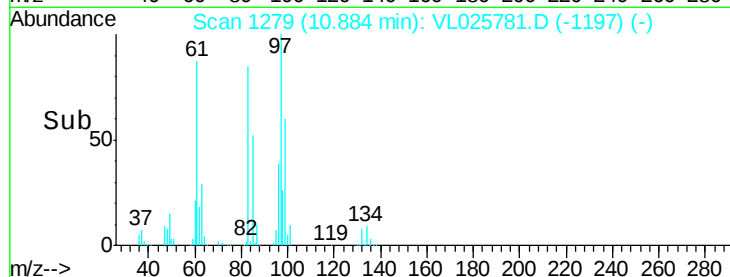
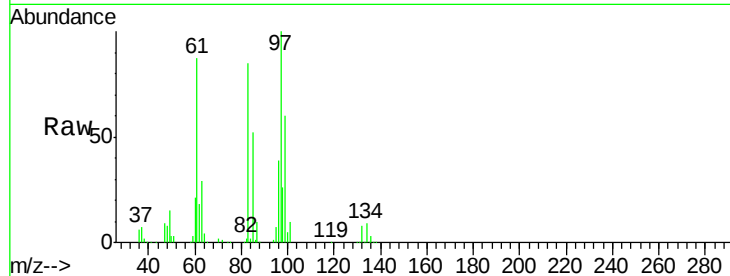
#47
 1,1,2-Trichloroethane
 Concen: 8.41 ppbv
 RT: 10.88 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	687624		
83	85.1	67.8	101.8	
85	52.2	43.5	65.3	
99	60.4	49.8	74.8	

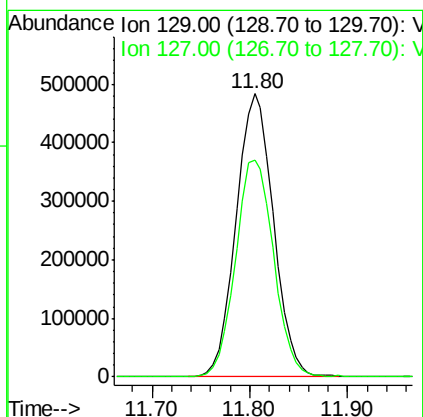
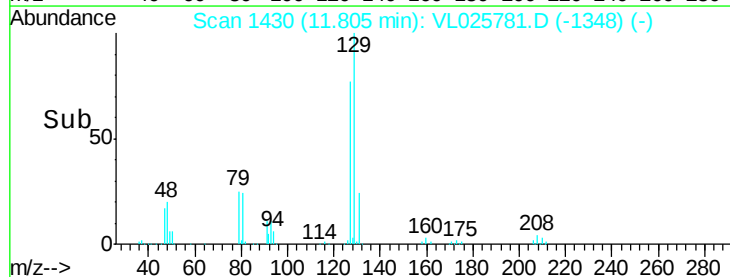
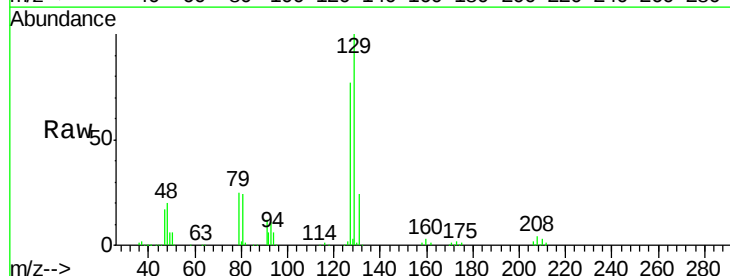
Manual Integrations
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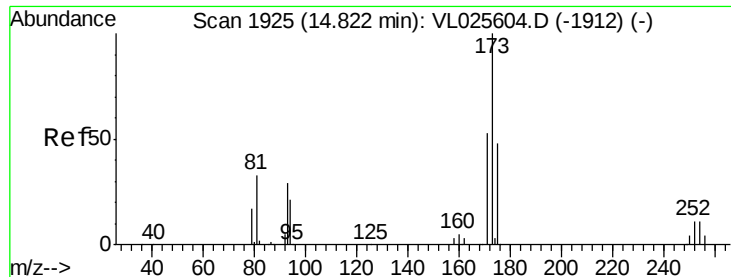
Sam
 7/28/2015 12:00:07 PM



#48
 Dibromochloromethane
 Concen: 8.77 ppbv
 RT: 11.80 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	1282603		
127	78.5	39.0	116.9	





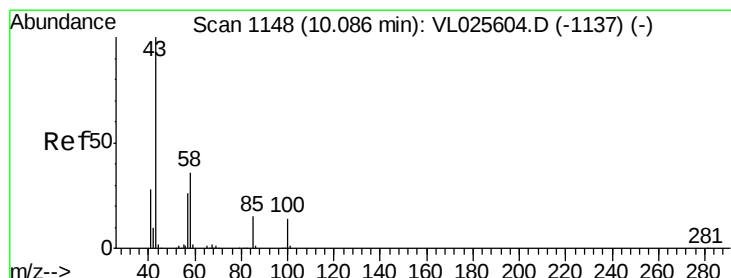
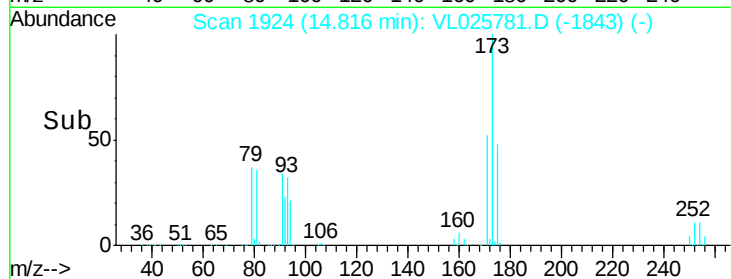
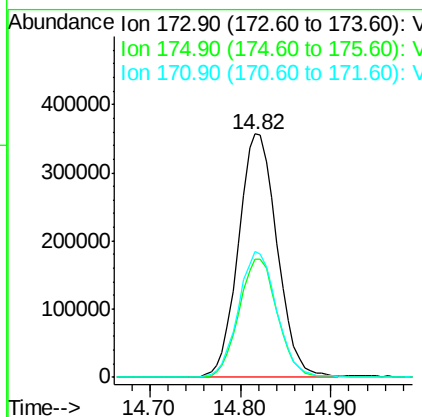
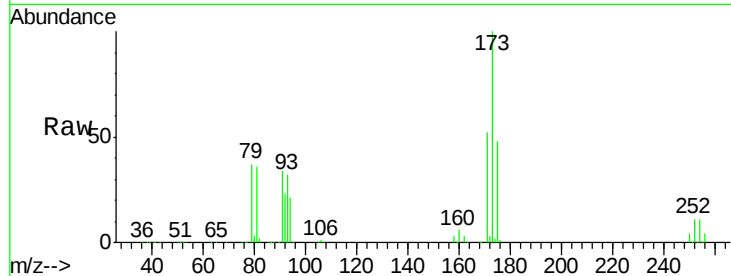
#49
Bromoform
Concen: 8.75 ppbv
RT: 14.82 min Scan# 1924
Delta R.T. -0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 173 Resp: 1055352
Ion Ratio Lower Upper
173 100
175 48.9 39.5 59.3
171 51.6 42.2 63.2

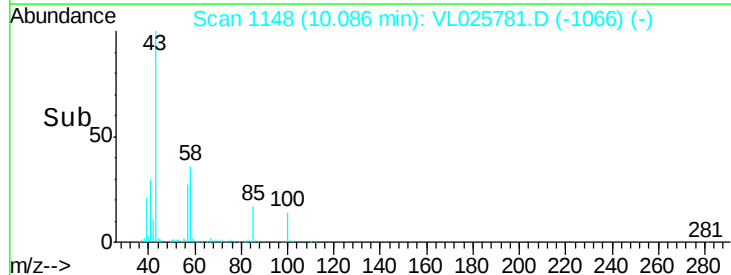
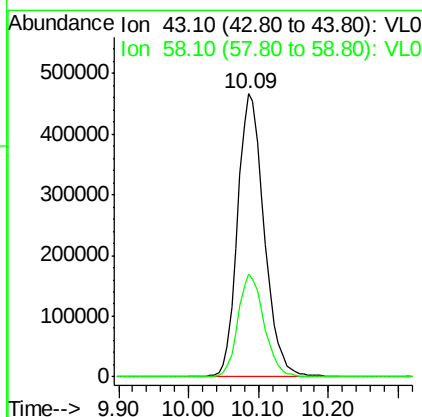
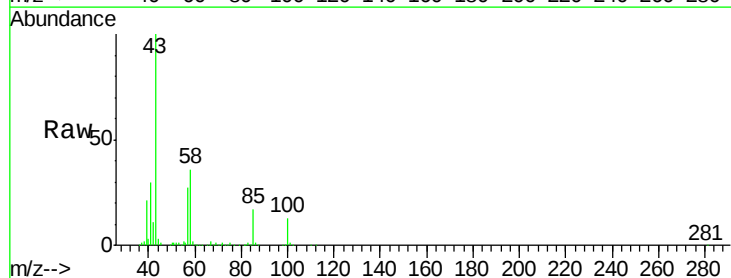
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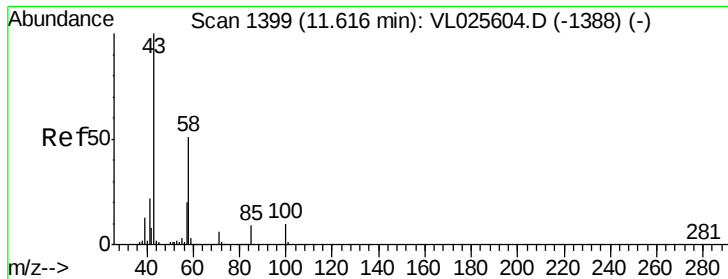
sam
7/28/2015 12:00:07 PM



#50
4-Methyl-2-Pentanone
Concen: 9.02 ppbv
RT: 10.09 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 43 Resp: 1224808
Ion Ratio Lower Upper
43 100
58 35.6 28.5 42.7





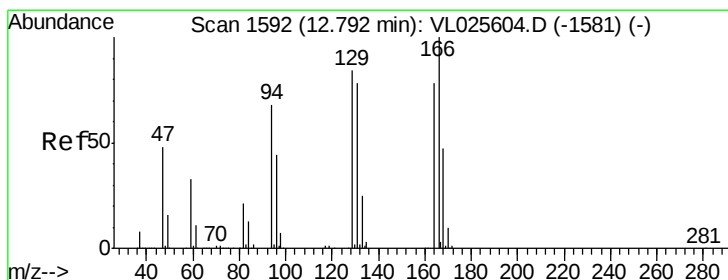
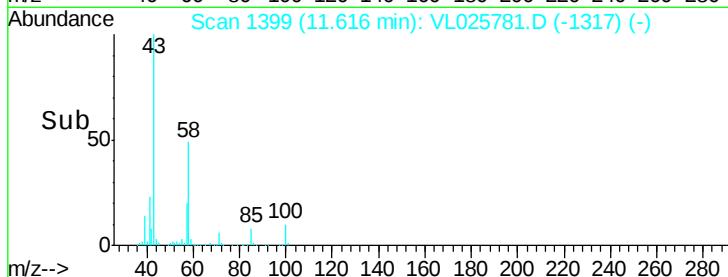
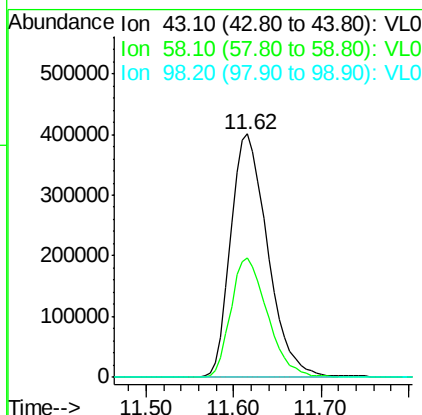
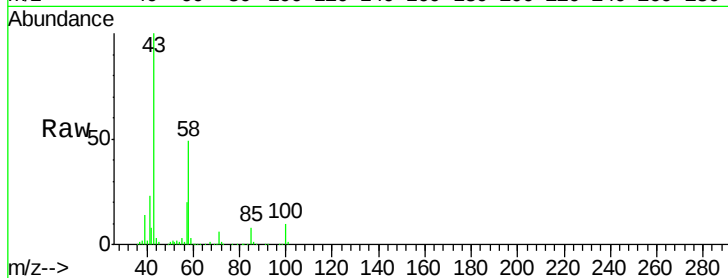
#51
2-Hexanone
Concen: 9.70 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 43 Resp: 1180852
Ion Ratio Lower Upper
43 100
58 48.7 39.0 58.6
98 0.4 0.2 0.4#

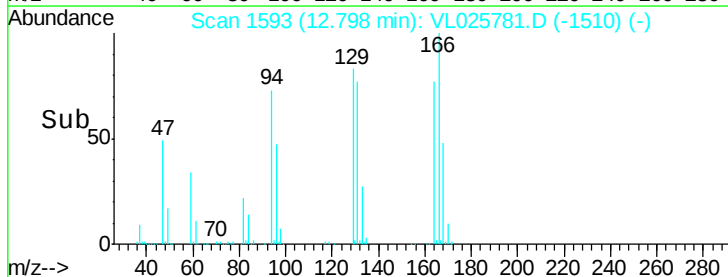
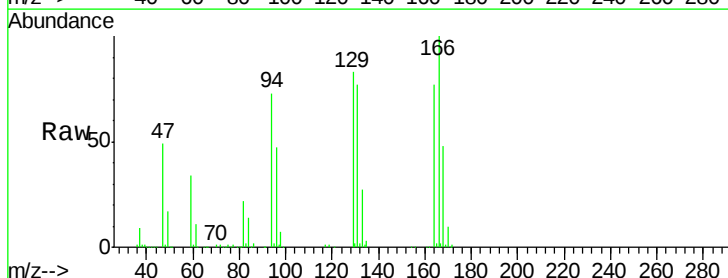
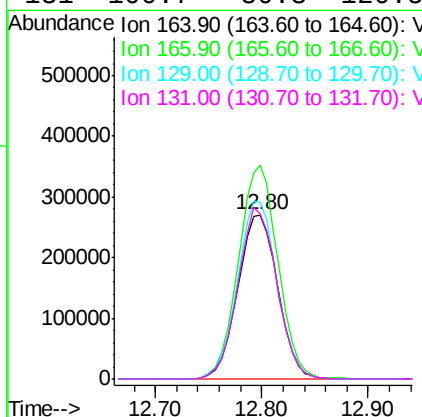
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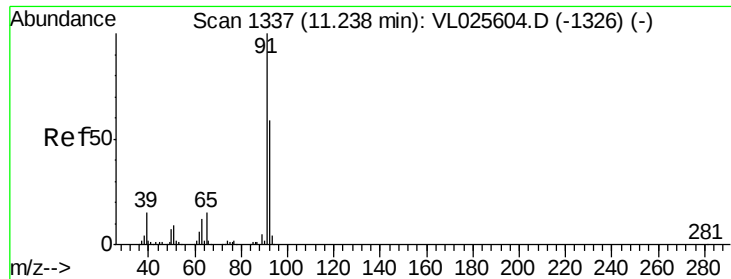
sam
7/28/2015 12:00:07 PM



#52
Tetrachloroethene
Concen: 8.93 ppbv
RT: 12.80 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 164 Resp: 712400
Ion Ratio Lower Upper
164 100
166 130.2 102.3 153.5
129 107.7 86.2 129.4
131 100.7 80.3 120.5





#53

Toluene

Concen: 9.04 ppbv

RT: 11.24 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 91 Resp: 2020517

Ion Ratio Lower Upper

91 100

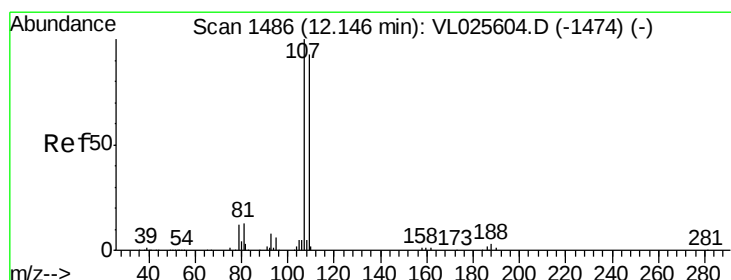
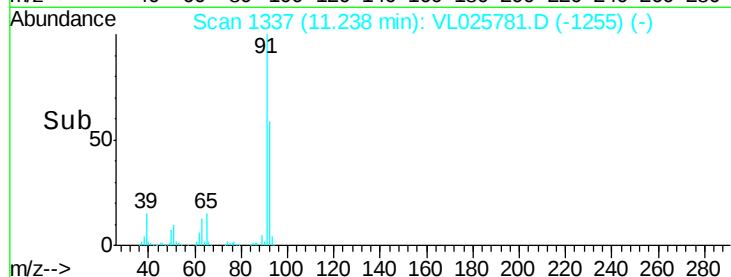
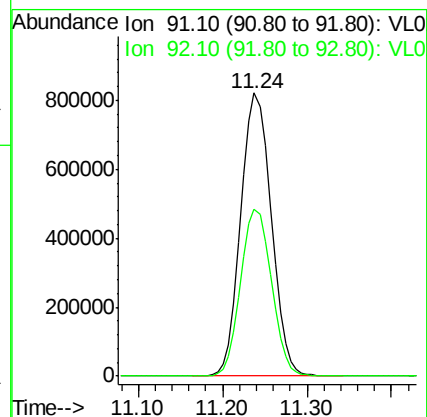
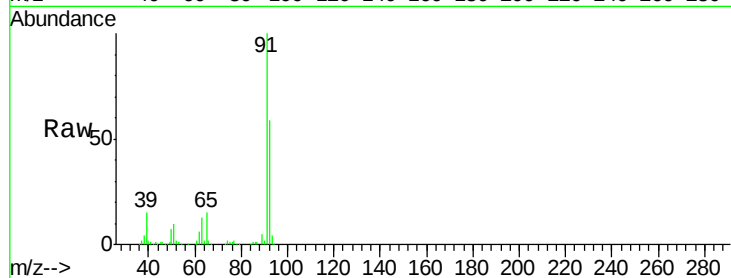
92 59.7 48.2 72.2

Manual Integrations

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sam

7/28/2015 12:00:07 PM



#54

1,2-Dibromoethane

Concen: 8.46 ppbv

RT: 12.15 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VL025781.D

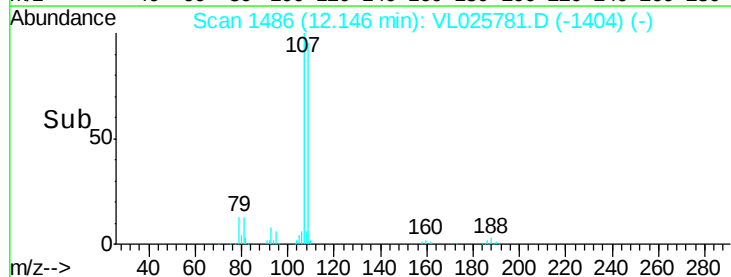
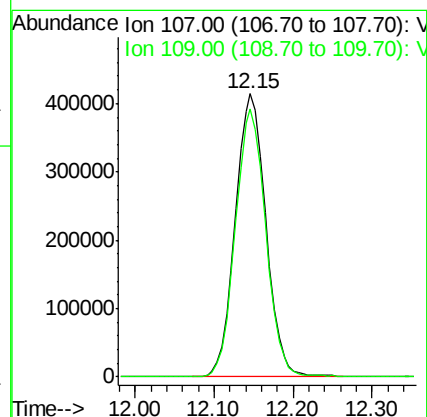
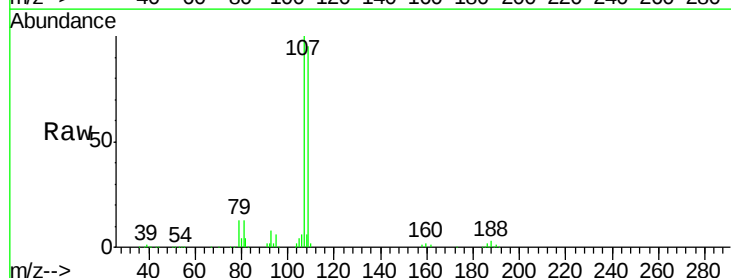
Acq: 28 Jul 2015 9:59

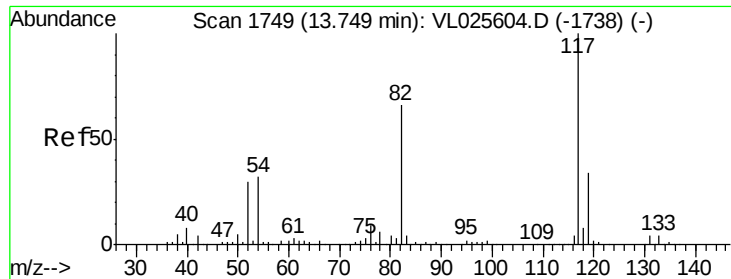
Tgt Ion: 107 Resp: 1118858

Ion Ratio Lower Upper

107 100

109 94.8 74.1 111.1





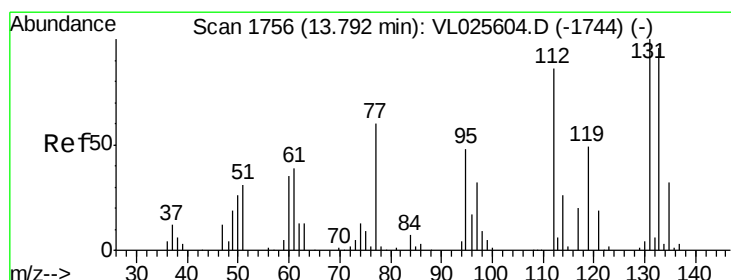
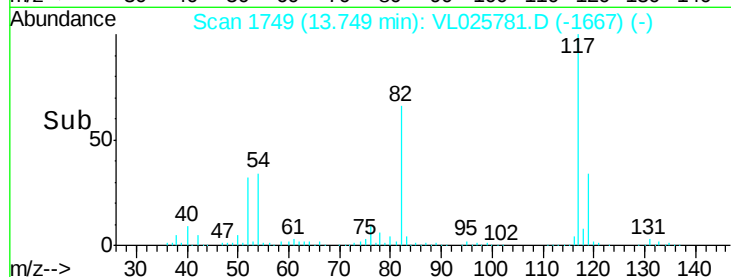
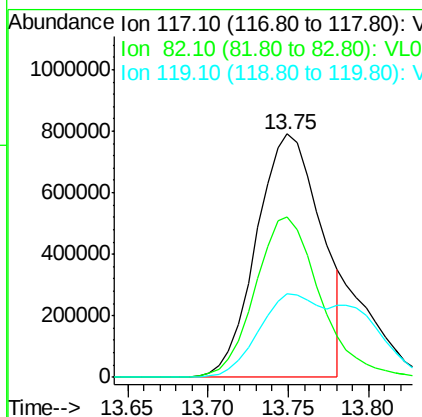
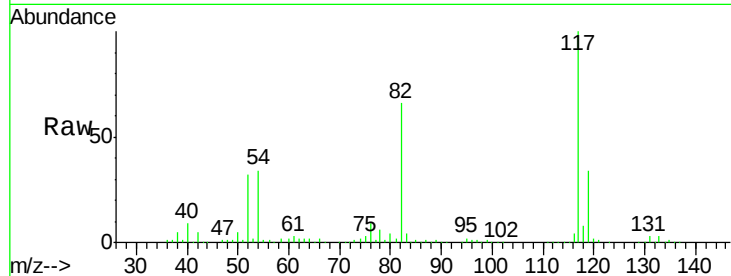
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.75 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion:117 Resp: 2198518
Ion Ratio Lower Upper
117 100
82 67.4 50.5 75.7
119 57.2 45.1 67.7

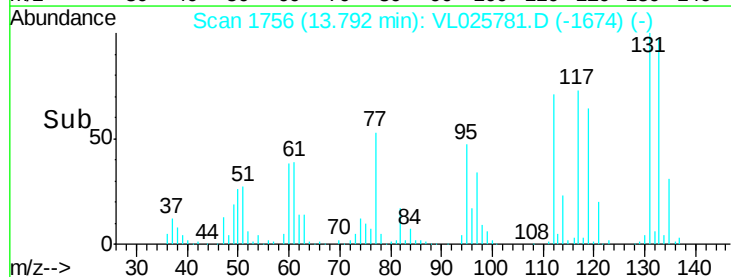
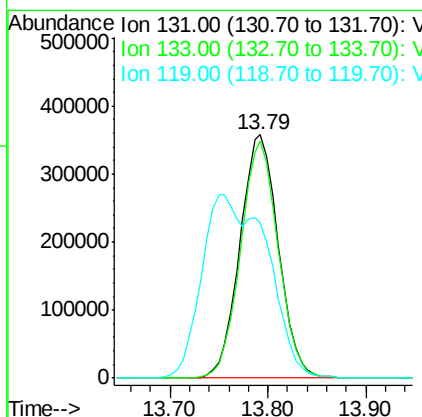
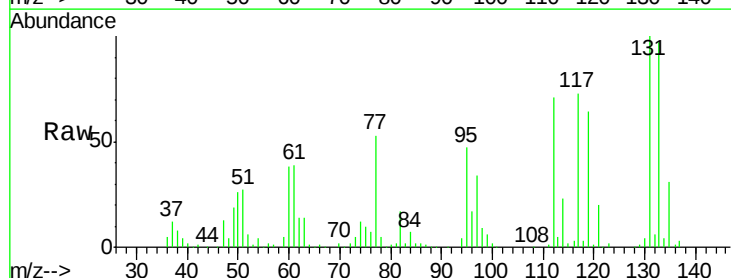
Manual Integrations
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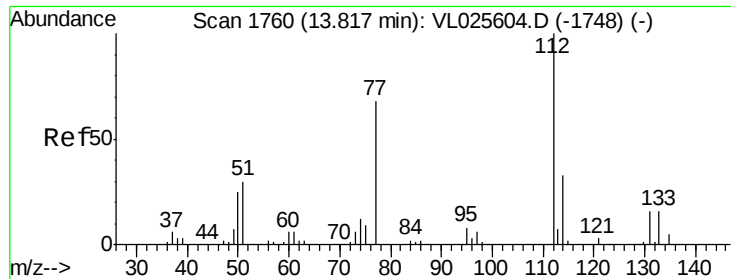
sam
7/28/2015 12:00:07 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.23 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion:131 Resp: 978094
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 128.5 97.8 146.8





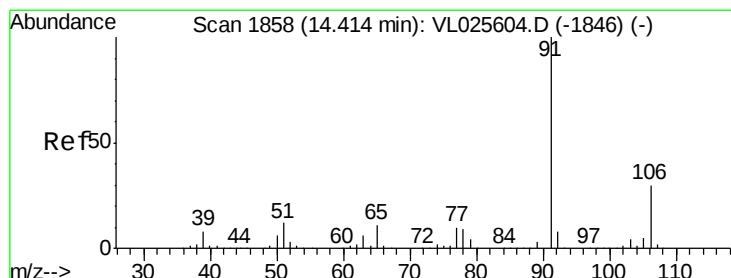
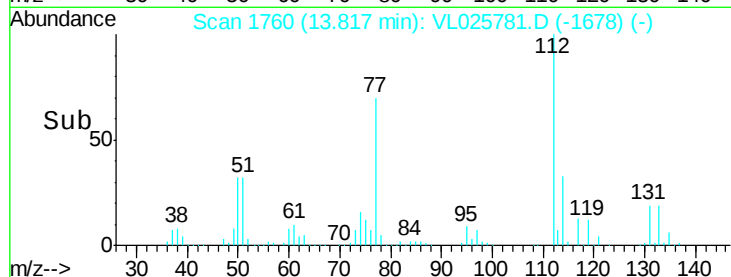
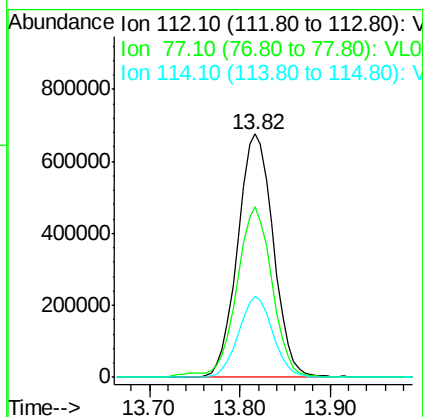
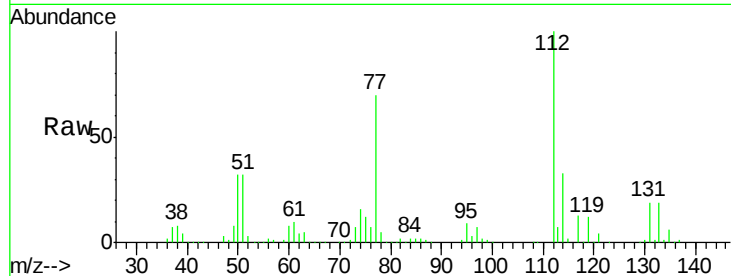
#57
Chlorobenzene
Concen: 7.89 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
112	100		
77	69.8	55.2	82.8
114	33.0	29.4	36.0

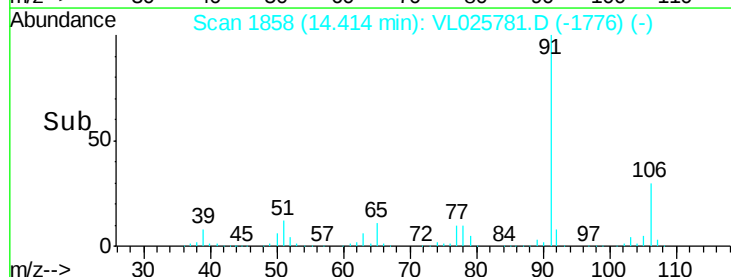
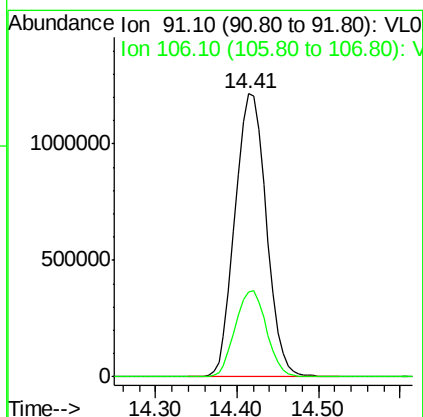
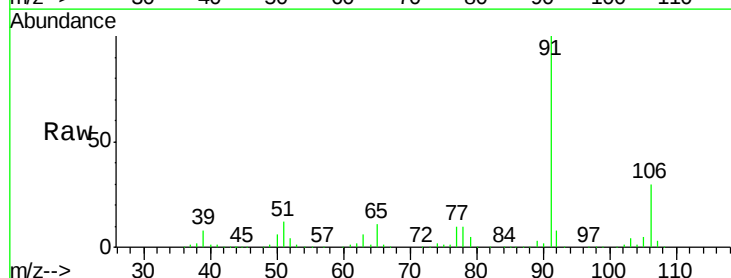
Manual Integrations
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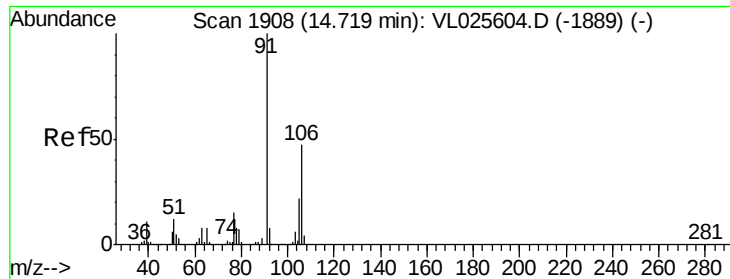
sam
7/28/2015 12:00:07 PM



#58
Ethyl Benzene
Concen: 8.95 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.2





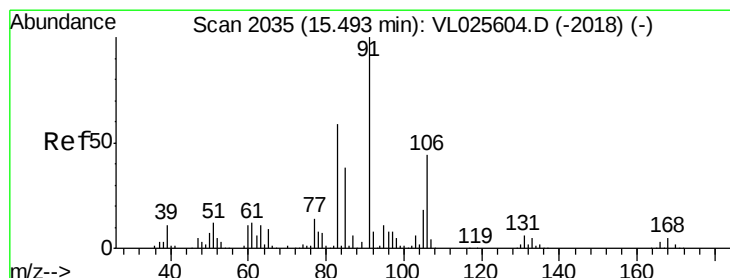
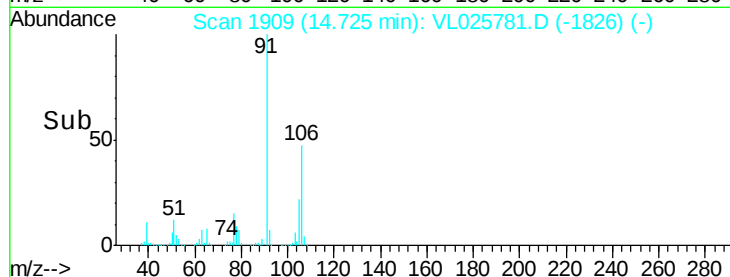
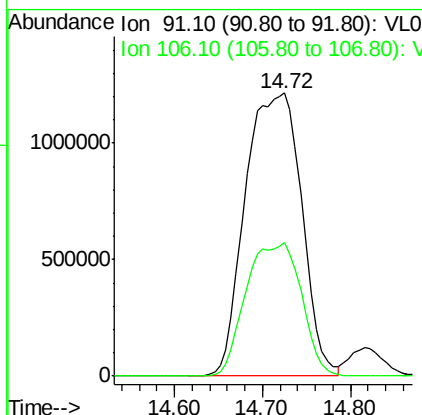
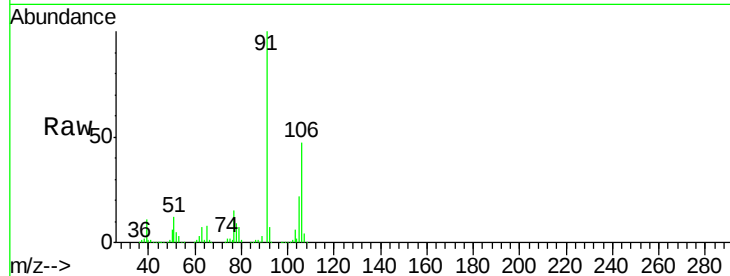
#59
m/p-Xylene
Concen: 16.93 ppbv m
RT: 14.72 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion: 91 Resp: 5401986
Ion Ratio Lower Upper
91 100
106 46.5 37.9 56.9

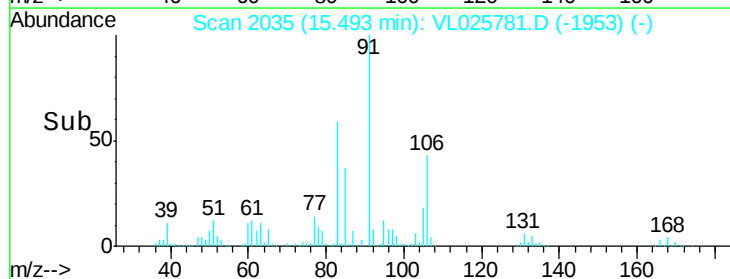
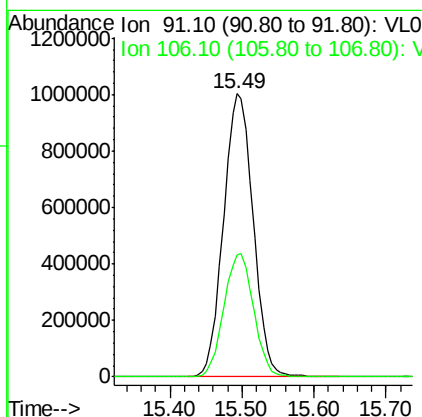
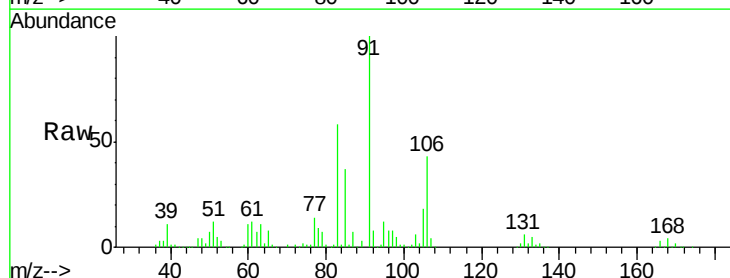
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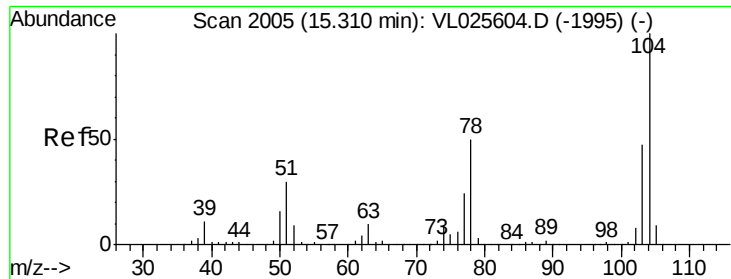
sam
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#60
o-Xylene
Concen: 8.33 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 91 Resp: 2862971
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.1





#61

Styrene

Concen: 10.00 ppbv

RT: 15.31 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion:104 Resp: 1204197

Ion Ratio Lower Upper

104 100

78 52.4 40.2 60.4

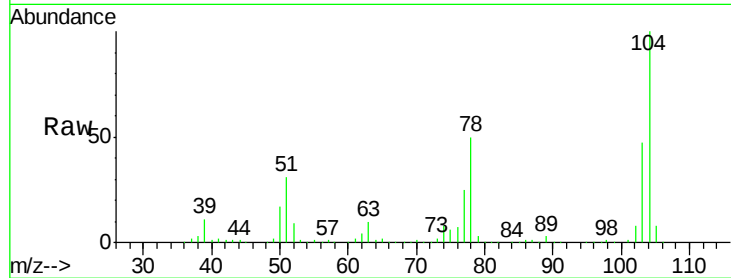
103 47.5 37.4 56.2

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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

15.31

600000

500000

400000

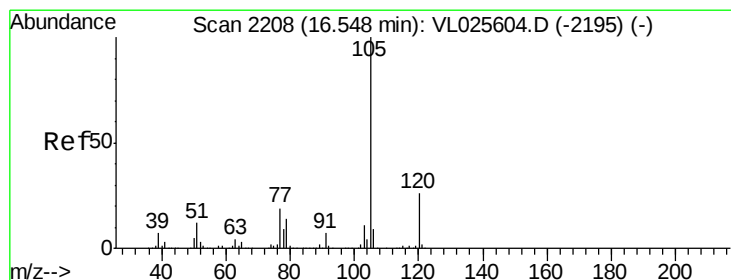
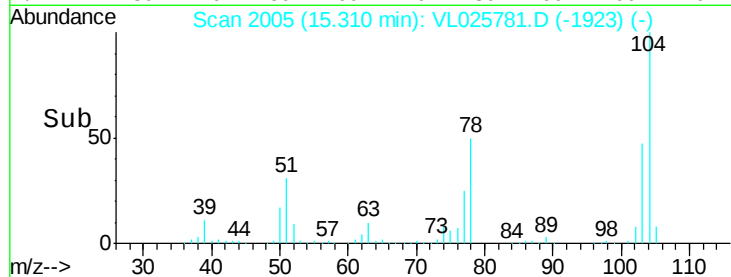
300000

200000

100000

0

Time--> 15.20 15.30 15.40



#62

Isopropylbenzene

Concen: 8.56 ppbv

RT: 16.55 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VL025781.D

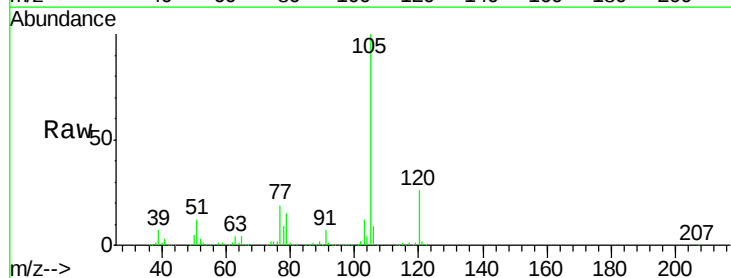
Acq: 28 Jul 2015 9:59

Tgt Ion:105 Resp: 3844833

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.55

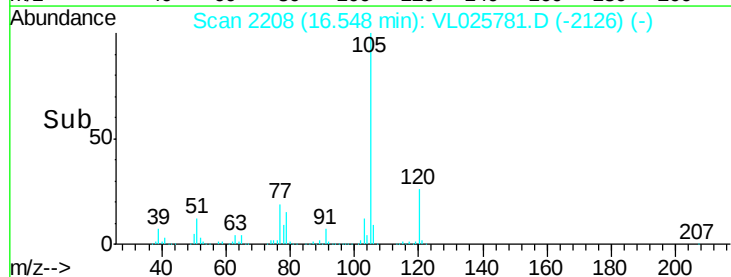
1500000

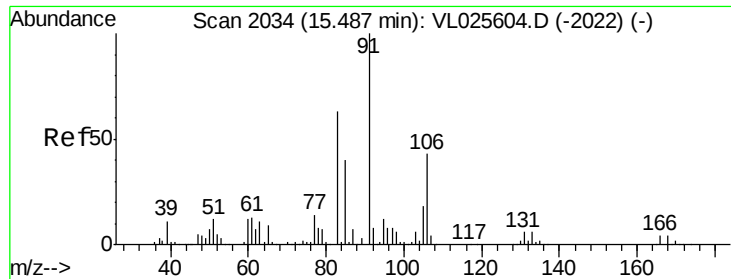
1000000

500000

0

Time--> 16.40 16.50 16.60





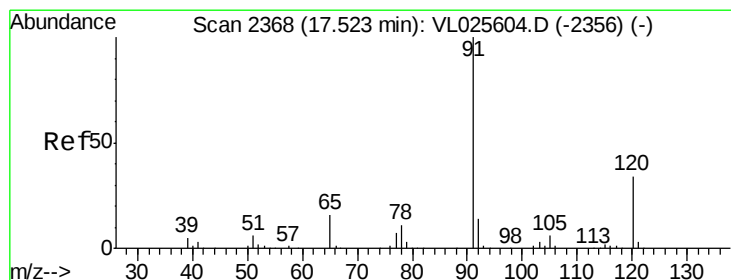
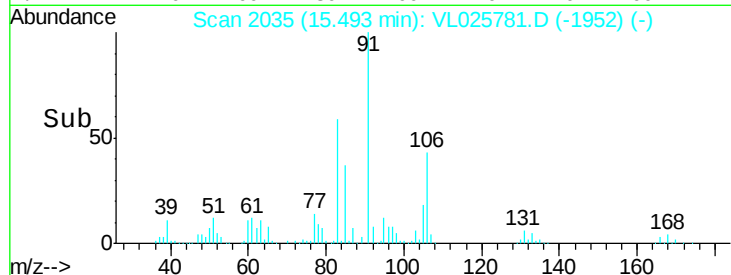
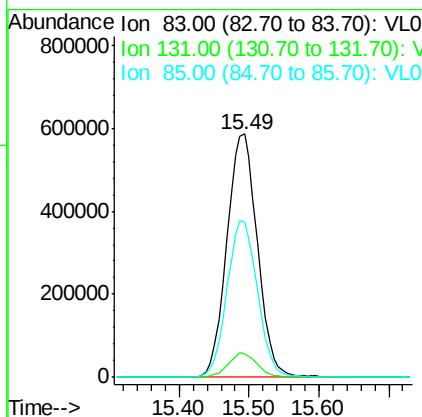
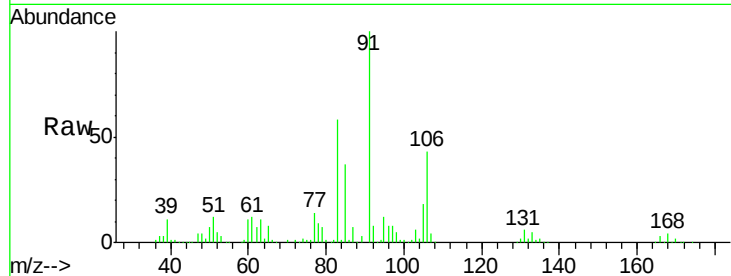
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.65 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion: 83 Resp: 1778297
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 64.4 32.4 97.2

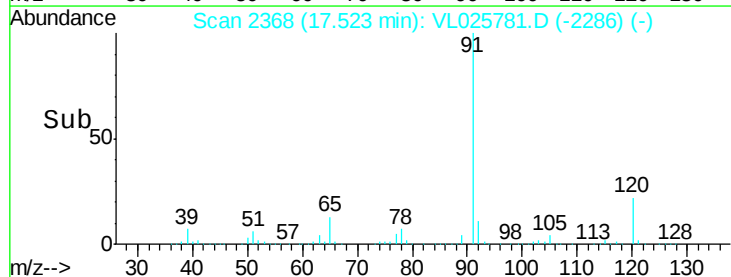
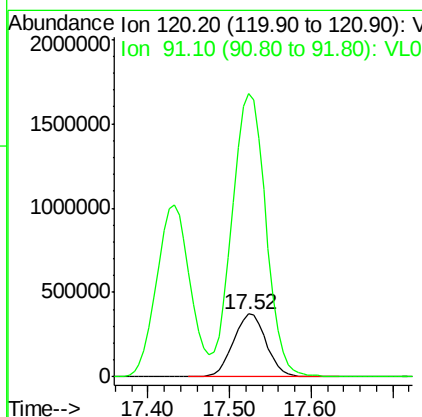
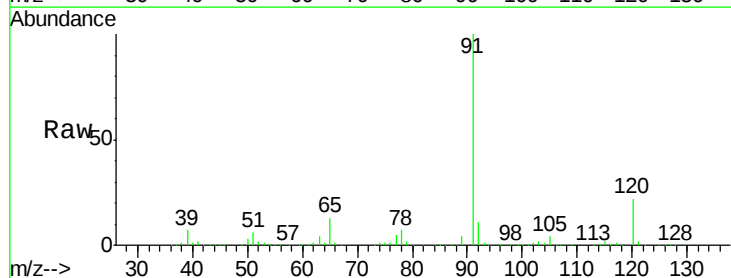
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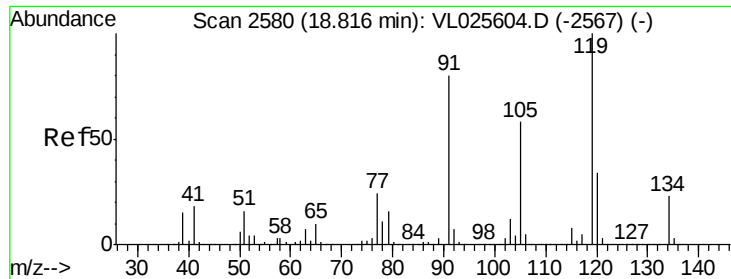
sam
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#64
 n-propylbenzene
 Concen: 8.59 ppbv
 RT: 17.52 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion: 120 Resp: 1042856
 Ion Ratio Lower Upper
 120 100
 91 458.6 370.5 555.7





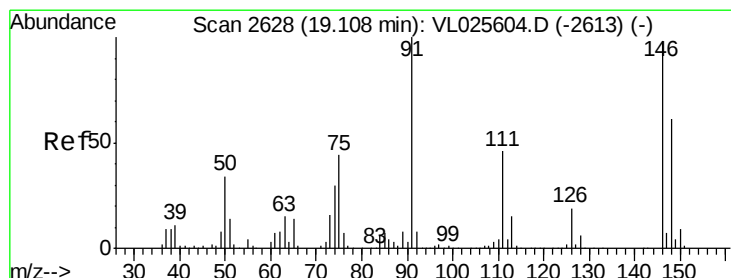
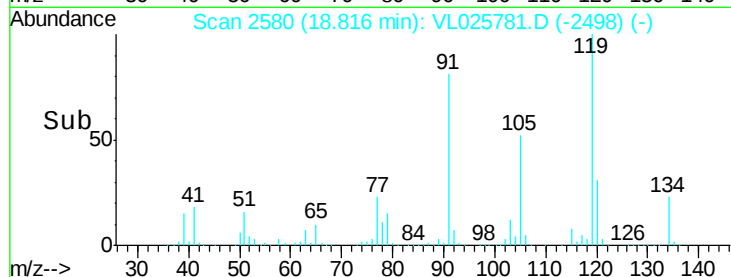
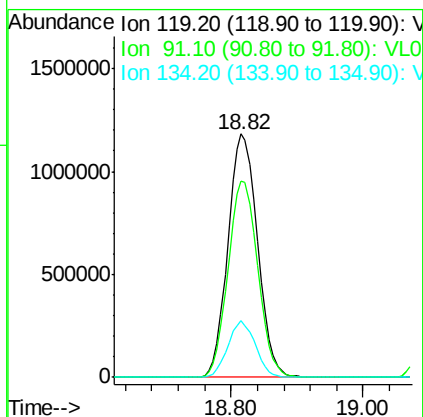
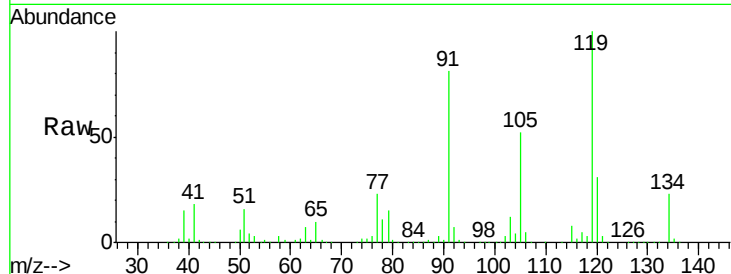
#65
 tert-Butylbenzene
 Concen: 8.29 ppbv
 RT: 18.82 min Scan# 2580
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion: 119 Resp: 3657096
 Ion Ratio Lower Upper
 119 100
 91 81.3 64.5 96.7
 134 21.6 17.4 26.0

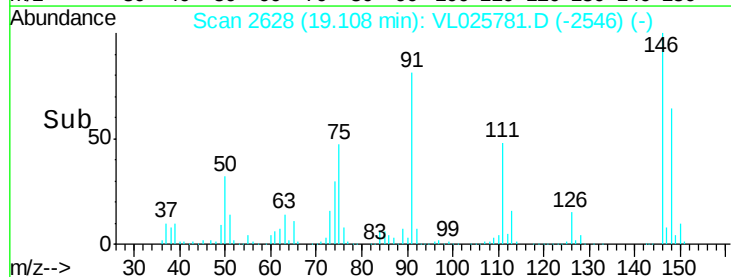
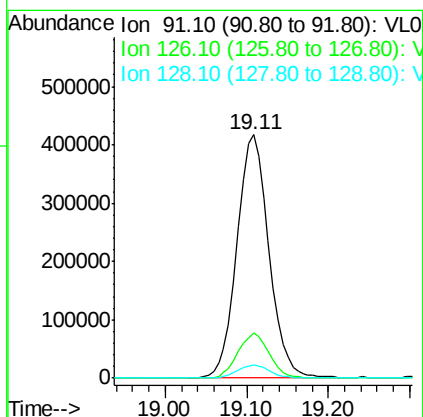
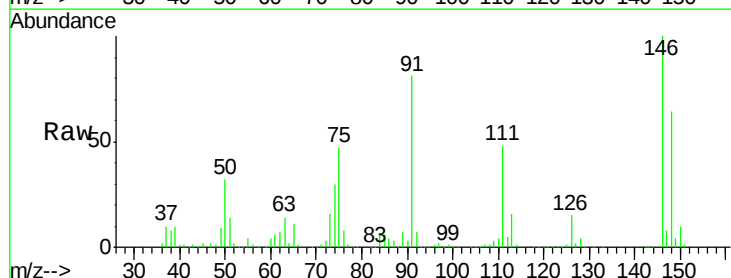
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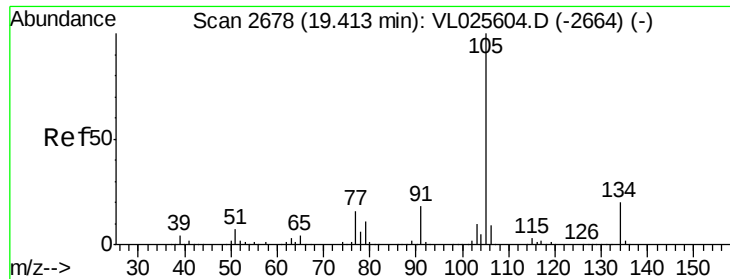
sam
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#66
 Benzyl Chloride
 Concen: 6.99 ppbv
 RT: 19.11 min Scan# 2628
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion: 91 Resp: 1130500
 Ion Ratio Lower Upper
 91 100
 126 18.3 14.5 21.7
 128 5.7 4.6 7.0





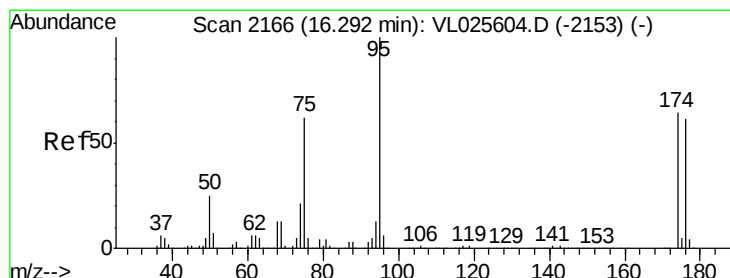
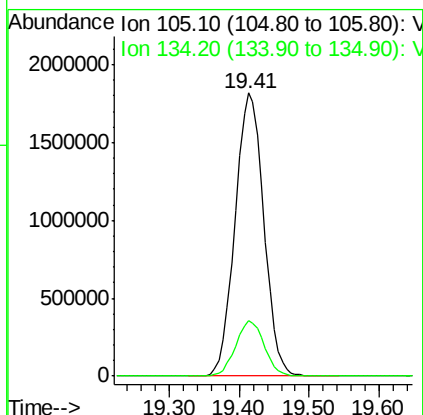
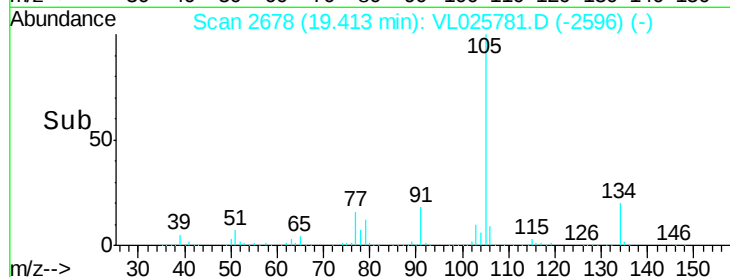
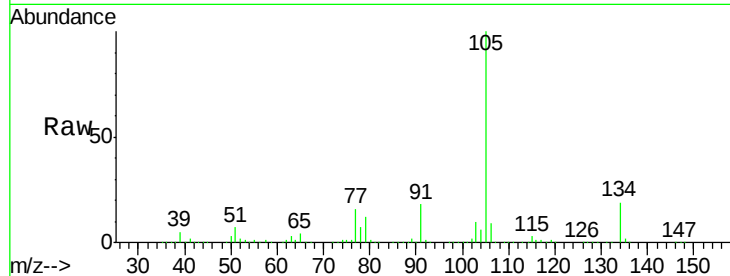
#67
 sec-Butylbenzene
 Concen: 8.38 ppbv
 RT: 19.41 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion: 105 Resp: 5179527
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.4 23.2

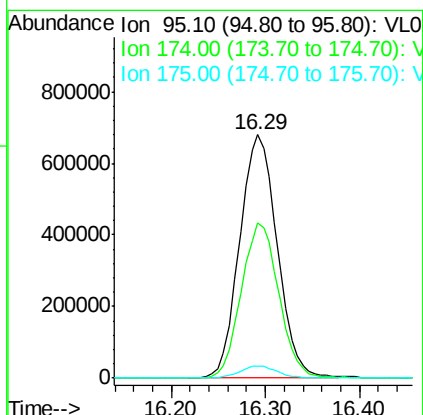
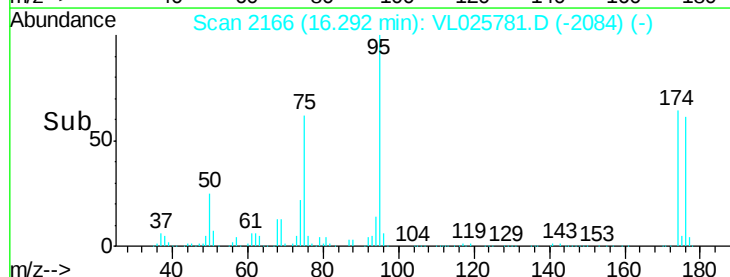
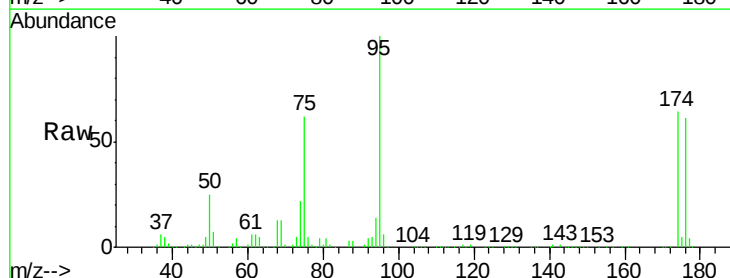
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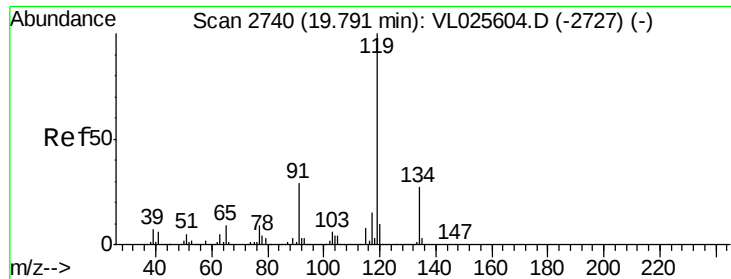
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.25 ppbv
 RT: 16.29 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion: 95 Resp: 1900138
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.0 78.0
 175 5.0 3.9 5.9





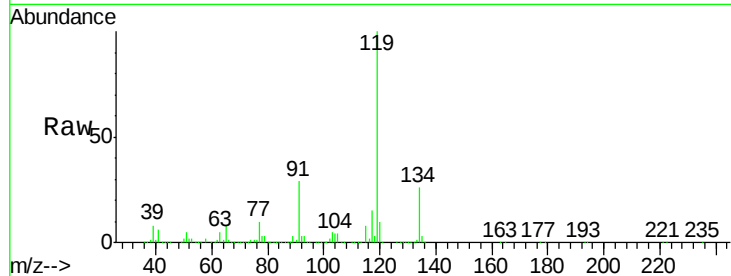
#69
p-Isopropyltoluene
Concen: 8.78 ppbv
RT: 19.80 min Scan# 2741
Delta R.T. 0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

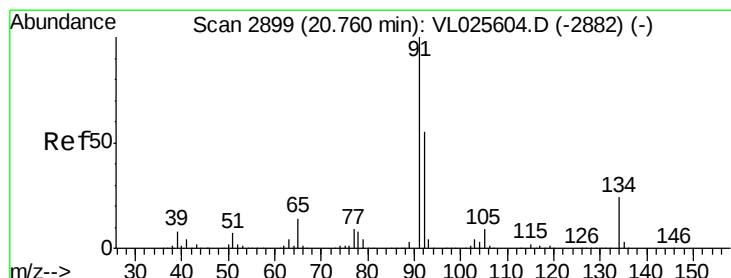
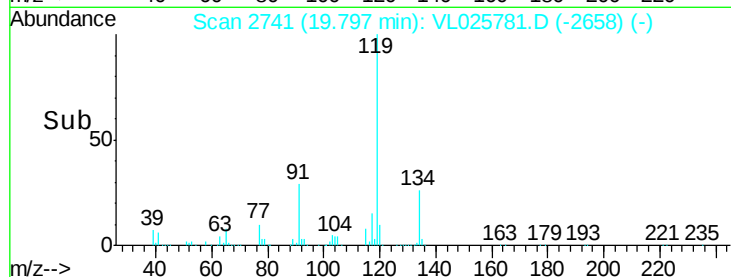
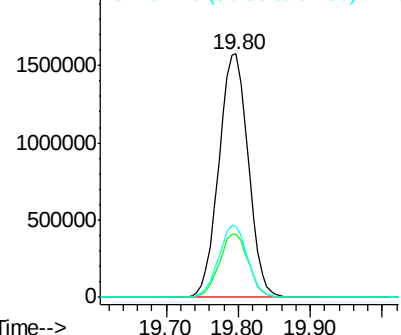
Tgt Ion: 119 Resp: 4470721
Ion Ratio Lower Upper
119 100
134 25.7 20.7 31.1
91 29.0 22.6 34.0

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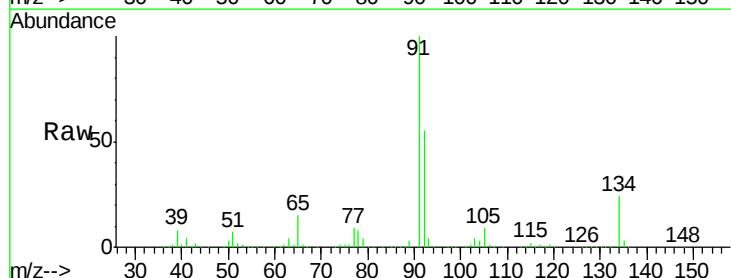


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

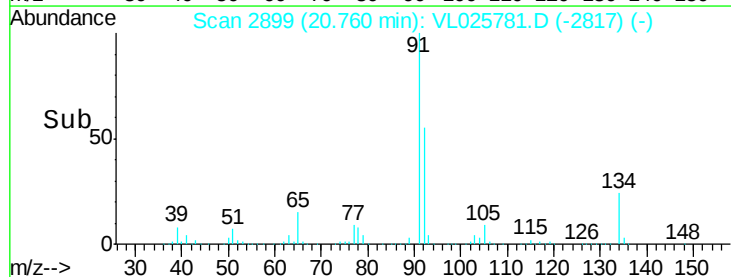
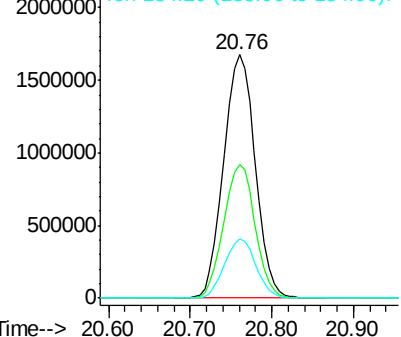


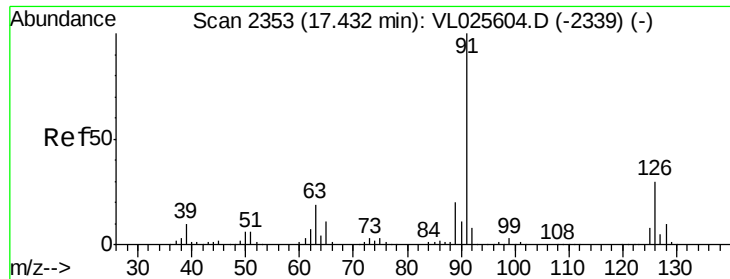
#70
n-Butylbenzene
Concen: 8.71 ppbv
RT: 20.76 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion: 91 Resp: 4497092
Ion Ratio Lower Upper
91 100
92 54.6 44.3 66.5
134 24.2 19.4 29.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.87 ppbv

RT: 17.43 min Scan# 2353

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion: 91 Resp: 2921171

Ion Ratio Lower Upper

91 100

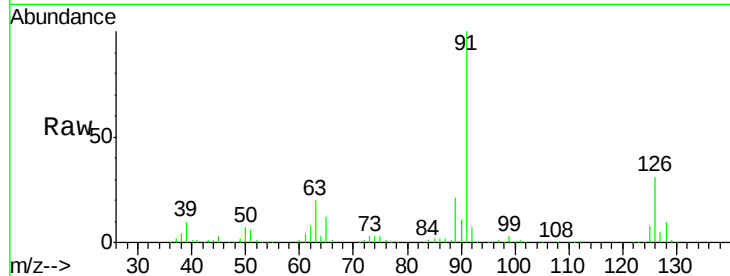
126 30.8 12.2 49.0

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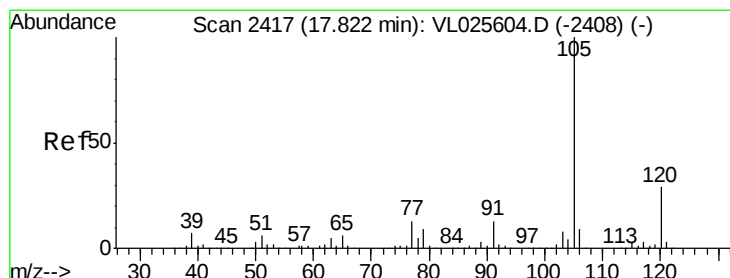
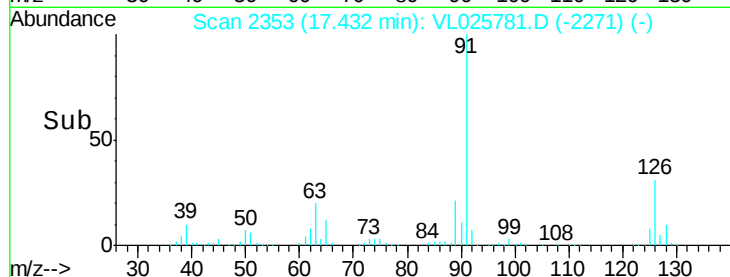
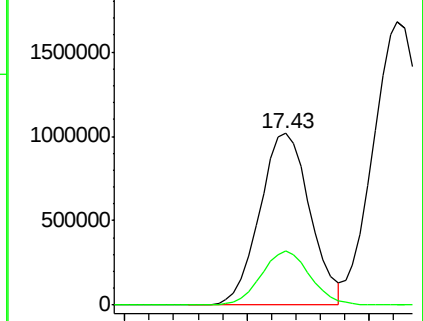
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.91 ppbv

RT: 17.82 min Scan# 2417

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion: 105 Resp: 3386268

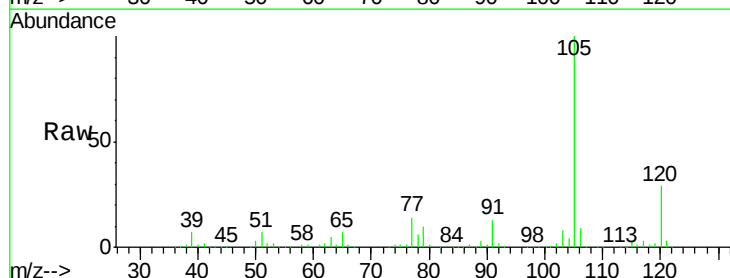
Ion Ratio Lower Upper

105 100

120 29.7 23.9 35.9

91 13.6 10.3 15.5

77 13.9 10.9 16.3

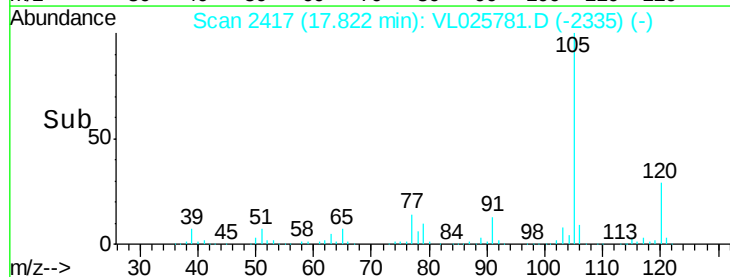
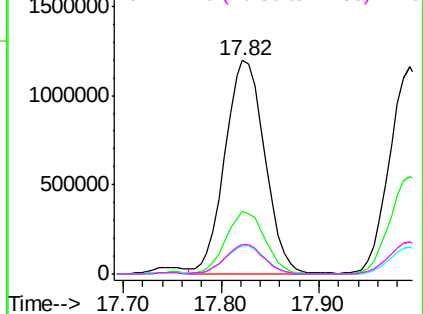


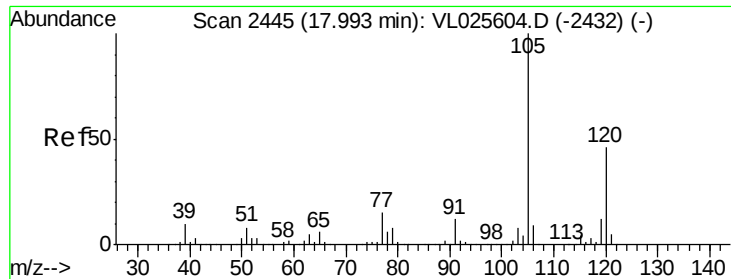
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.70 ppbv

RT: 17.99 min Scan# 2445

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCV010

Tgt Ion:105 Resp: 3250065

Ion Ratio Lower Upper

105 100

120 47.0

37.0

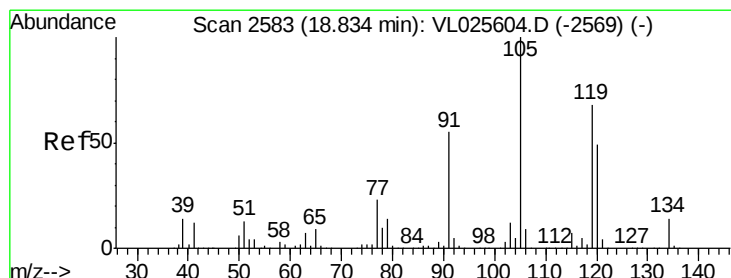
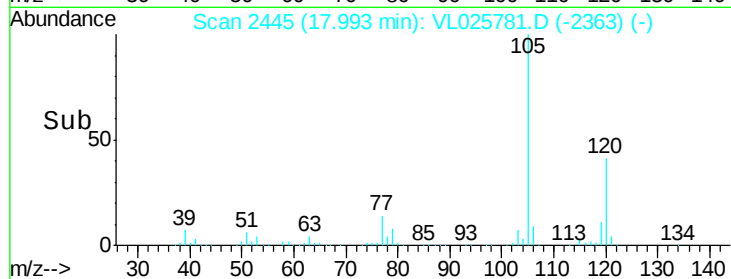
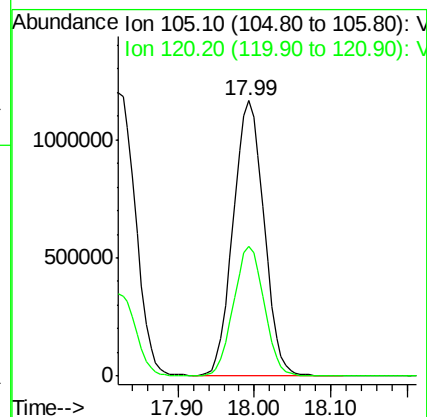
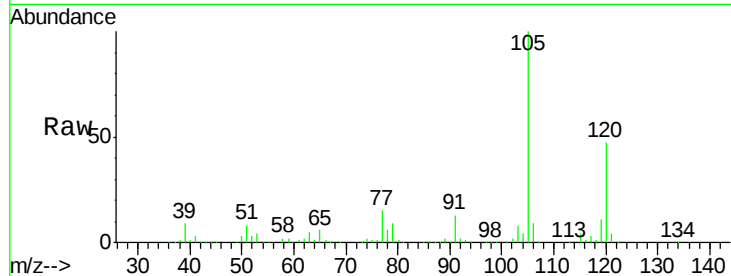
55.4

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#74

1,2,4-Trimethylbenzene

Concen: 8.22 ppbv

RT: 18.83 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VL025781.D

Acq: 28 Jul 2015 9:59

Tgt Ion:105 Resp: 3438275

Ion Ratio Lower Upper

105 100

120 48.3

39.3

58.9

91 58.1

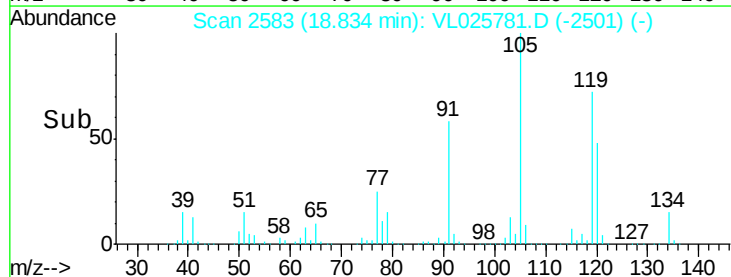
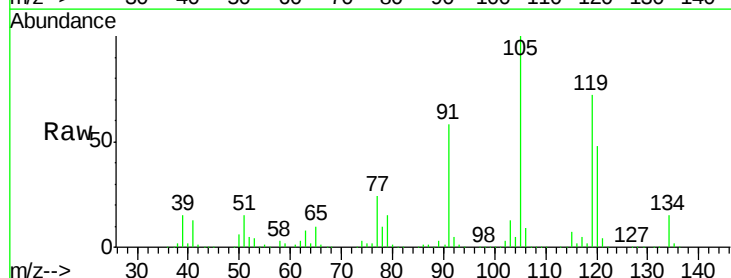
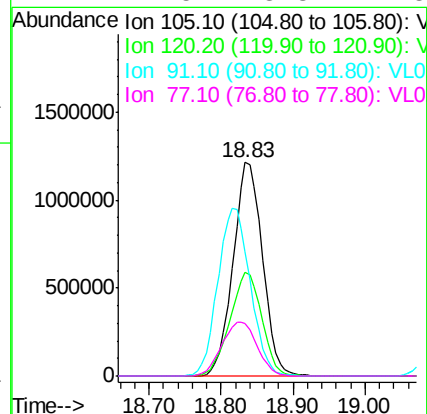
43.8

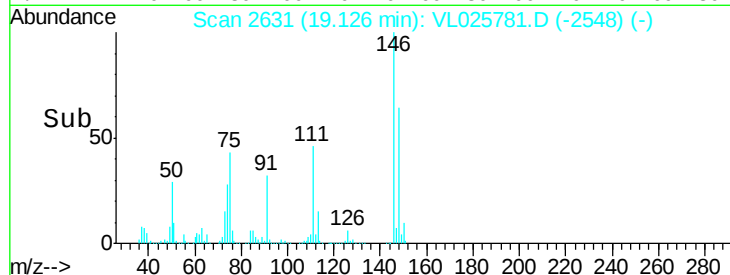
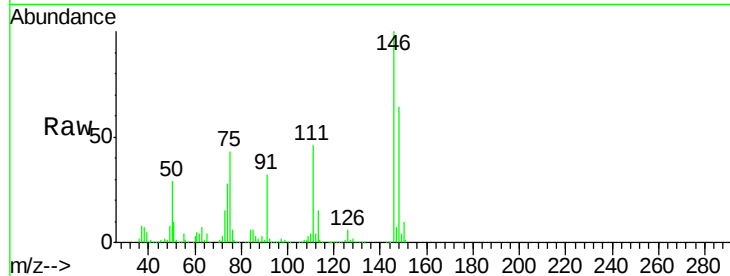
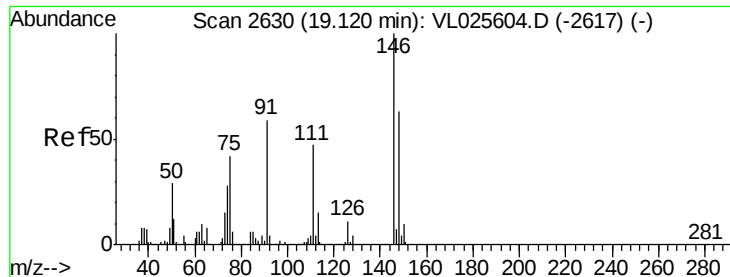
65.6

77 24.5

18.3

27.5





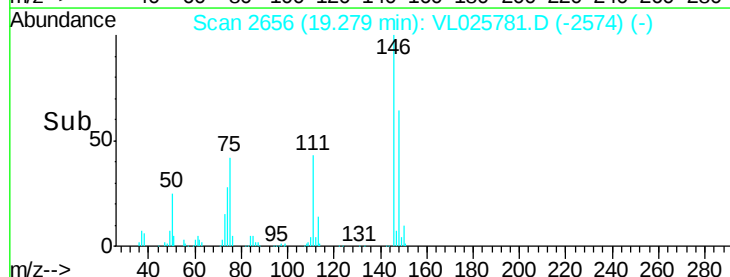
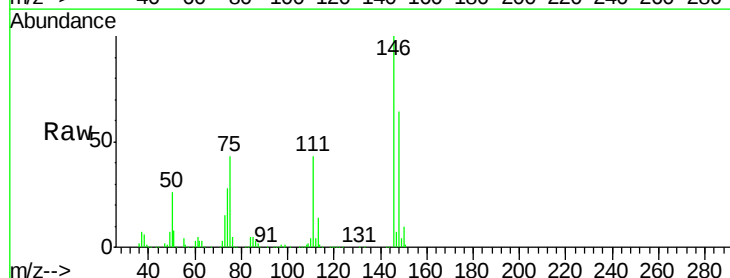
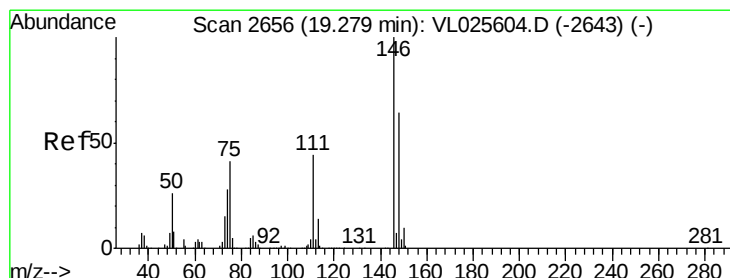
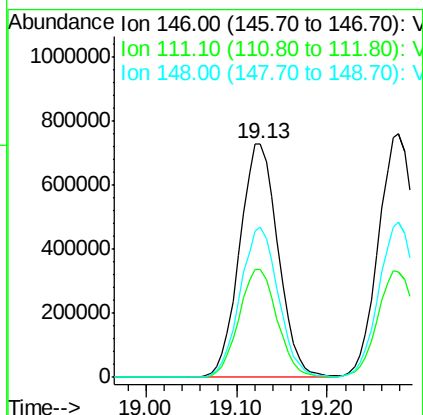
#75
 1,3-Dichlorobenzene
 Concen: 7.91 ppbv
 RT: 19.13 min Scan# 2631
 Delta R.T. 0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion:146 Resp: 2152820
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.1
 148 63.5 31.8 95.3

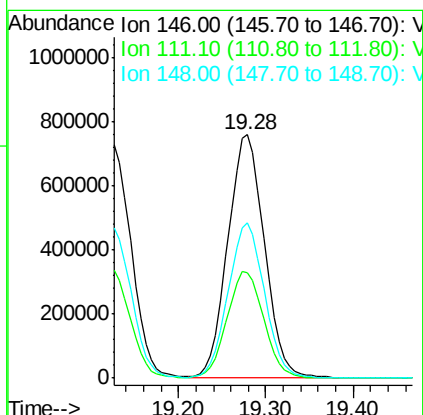
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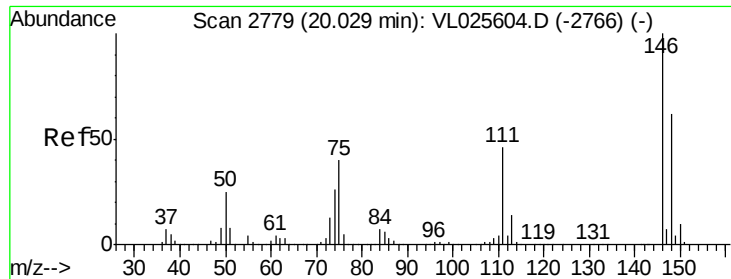
sam
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#76
 1,4-Dichlorobenzene
 Concen: 8.08 ppbv
 RT: 19.28 min Scan# 2656
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion:146 Resp: 2205199
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.1 66.1
 148 63.6 31.9 95.9





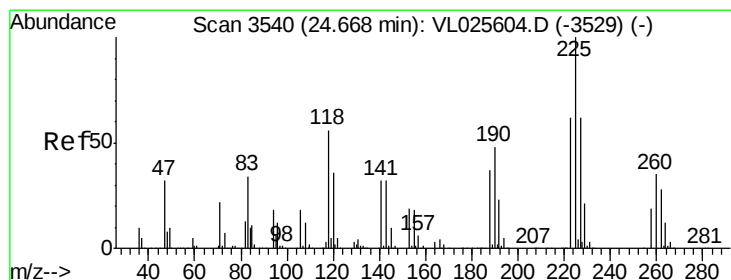
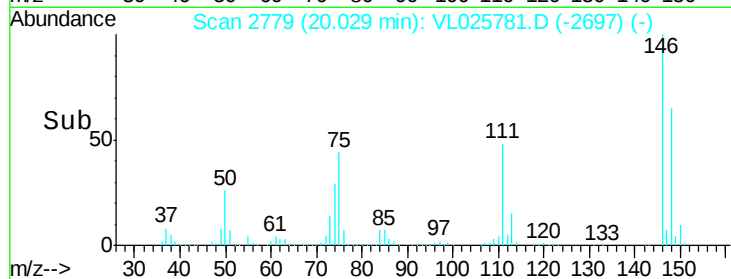
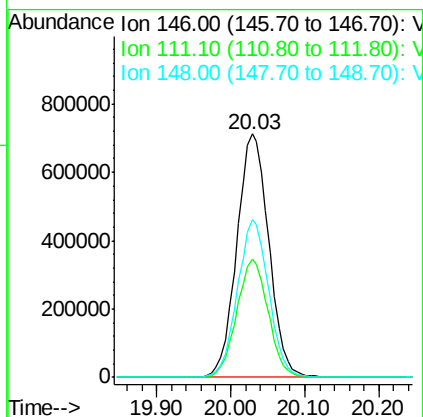
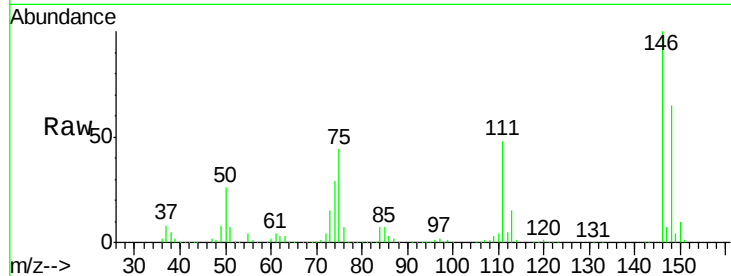
#77
 1,2-Dichlorobenzene
 Concen: 7.95 ppbv
 RT: 20.03 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.3
148	63.4	31.6	94.8

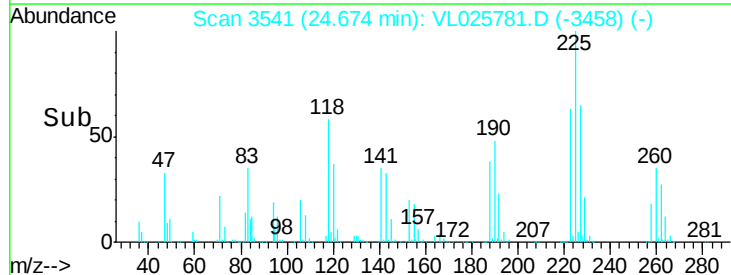
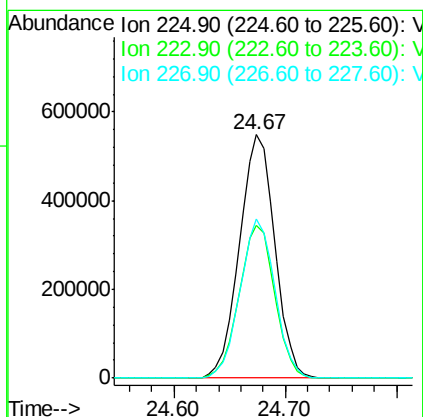
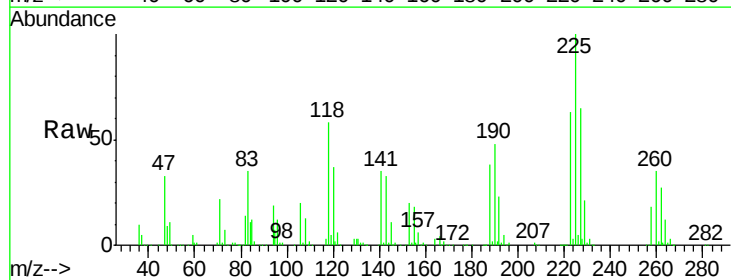
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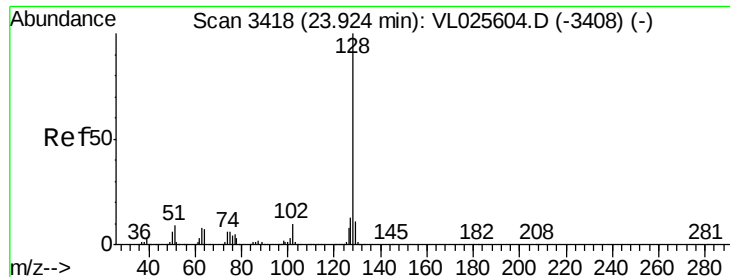
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.28 ppbv
 RT: 24.67 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	64.5	50.5	75.7





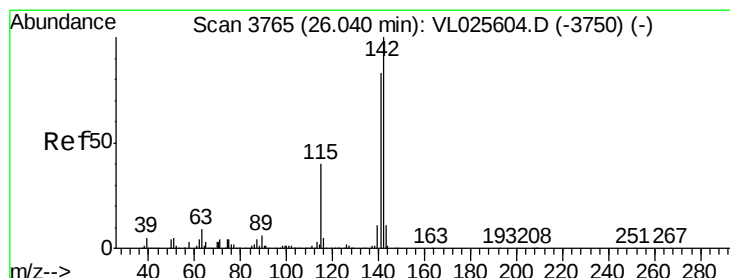
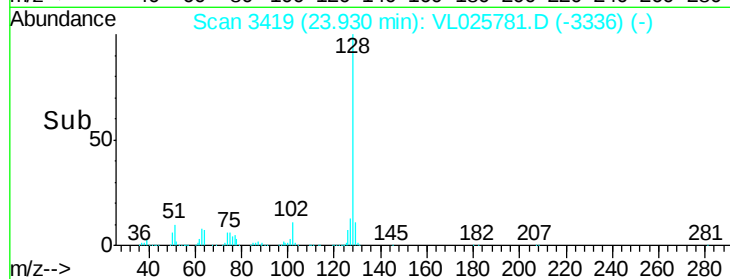
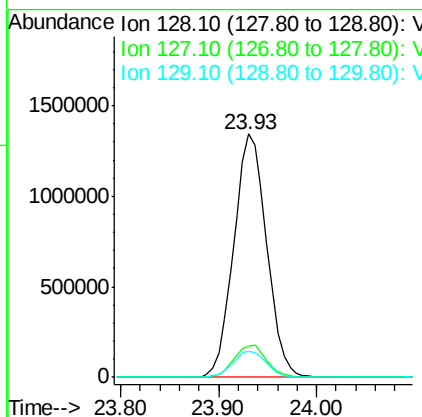
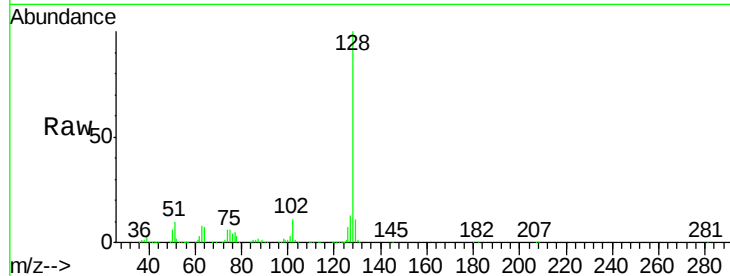
#79
Naphthalene
Concen: 7.76 ppbv
RT: 23.93 min Scan# 3419
Delta R.T. 0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.8	9.0	13.4

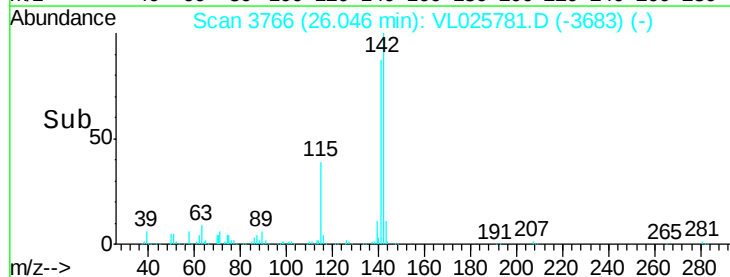
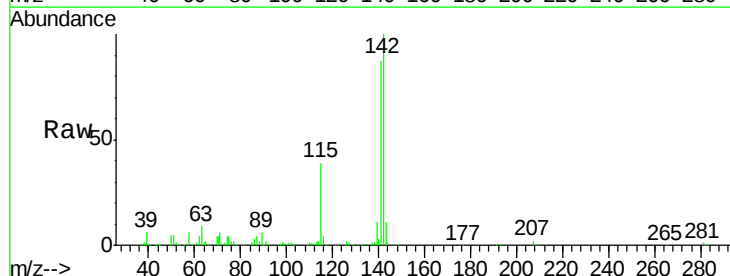
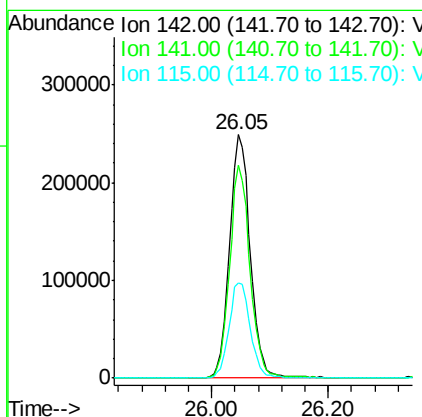
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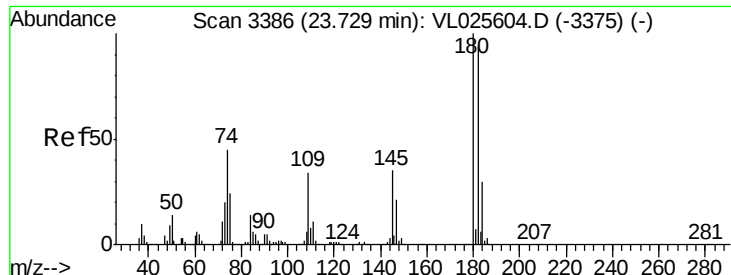
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#80
Naphthalene, 2-methyl-
Concen: 5.26 ppbv
RT: 26.05 min Scan# 3766
Delta R.T. 0.01 min
Lab File: VL025781.D
Acq: 28 Jul 2015 9:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.1	100.7
115	40.5	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.34 ppbv
 RT: 23.74 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL025781.D
 Acq: 28 Jul 2015 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCV010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
184	30.2	24.4	36.6

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