

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026173.D
 Acq On : 9 Oct 2015 11:40
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:28 PM

Quant Time: Oct 09 14:27:33 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:27:33 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	934609	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2537665	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	3044533	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	2282136	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	380694	2.84	ppbv	99
3) Chlorodifluoromethane	3.58	51	234411	2.19	ppbv	98
4) Chloromethane	3.76	50	129580	2.04	ppbv	99
5) Vinyl Chloride	3.90	62	129185	1.91	ppbv	97
6) Bromomethane	4.15	94	91134	2.14	ppbv	97
7) Chloroethane	4.25	64	55104	2.09	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	322969	2.22	ppbv	99
9) Propene	3.61	41	105521	1.94	ppbv	99
10) Heptane	9.37	43	365169	1.93	ppbv	99
11) Trichlorofluoromethane	4.70	101	353604	2.30	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	242570	2.29	ppbv	100
13) Ethanol	4.35	45	15716	2.38	ppbv	90
14) Bromoethene	4.46	108	99876	2.21	ppbv	99
15) Acetone	4.62	43	249750	2.15	ppbv #	84
16) 1,3-Butadiene	3.98	39	116559	2.02	ppbv	96
17) tert-Butyl alcohol	5.16	59	119577	1.59	ppbv	98
18) 1,1-Dichloroethene	5.09	96	108476	2.19	ppbv	98
19) Isopropyl Alcohol	4.78	45	91373	1.88	ppbv #	1
20) Methylene Chloride	5.16	84	105923	2.15	ppbv	97
21) Allyl Chloride	5.24	41	161610	2.02	ppbv	88
22) trans-1,2-Dichloroethene	5.78	96	138287	2.07	ppbv	99
23) Vinyl Acetate	5.99	43	448594	2.04	ppbv	99
24) 1,1-Dichloroethane	5.92	63	300665	2.03	ppbv	99
25) Ethyl Acetate	6.69	43	491285	1.99	ppbv	100
26) Hexane	6.67	57	237642	2.01	ppbv	99
27) Carbon Disulfide	5.40	76	282175	2.23	ppbv	100
28) Methyl tert-Butyl Ether	5.97	73	381505	2.12	ppbv	99
29) Chloroform	6.76	83	339454	2.07	ppbv	100
30) Cyclohexane	8.29	84	226052	2.00	ppbv	90
31) cis-1,2-Dichloroethene	6.53	61	211249	1.96	ppbv	97
32) 1,1,1-Trichloroethane	7.60	97	332328	2.02	ppbv	99
34) 2-Butanone	6.22	43	294034	1.81	ppbv	99
35) Carbon Tetrachloride	8.17	117	339784	2.00	ppbv	99
36) Benzene	8.03	78	515317	1.92	ppbv	99
37) 1,2-Dichloroethane	7.38	62	267559	2.00	ppbv	100
38) Trichloroethene	9.07	130	217614	1.86	ppbv	98
39) 1,2-Dichloropropane	8.84	63	188053	1.87	ppbv	97
40) 1,4-Dioxane	9.16	88	34573	2.34	ppbv #	1
41) Tetrahydrofuran	7.15	42	165992	1.74	ppbv	100
42) Bromodichloromethane	9.04	83	364274	2.06	ppbv	99
43) Methyl Methacrylate	9.28	69	180538	1.89	ppbv	99

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Oct 09 14:27:33 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:27:33 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	889722	1.96	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	248120	1.99	ppbv	97
46) cis-1,3-Dichloropropene	10.03	75	308006	1.99	ppbv	98
47) 1,1,2-Trichloroethane	10.89	97	227245	1.99	ppbv	99
48) Dibromochloromethane	11.81	129	329959	2.13	ppbv	100
49) Bromoform	14.83	173	247386	2.16	ppbv	99
50) 4-Methyl-2-Pentanone	10.11	43	400093	1.83	ppbv	99
51) 2-Hexanone	11.65	43	363103	1.82	ppbv #	99
52) Tetrachloroethene	12.80	164	228310	1.87	ppbv	94
53) Toluene	11.25	91	677087	2.00	ppbv	99
54) 1,2-Dibromoethane	12.15	107	342876	2.01	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.80	131	258957	2.05	ppbv #	1
57) Chlorobenzene	13.83	112	583801	1.94	ppbv	97
58) Ethyl Benzene	14.43	91	957180	1.89	ppbv	97
59) m/p-Xylene	14.72	91	1531151m	3.85	ppbv	
60) o-Xylene	15.50	91	805056	1.95	ppbv	99
61) Styrene	15.32	104	327368	1.85	ppbv	99
62) Isopropylbenzene	16.56	105	1048271	1.93	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.49	83	550765	1.74	ppbv	99
64) n-propylbenzene	17.53	120	282390	1.95	ppbv	95
65) tert-Butylbenzene	18.82	119	944505	1.99	ppbv	99
66) Benzyl Chloride	19.11	91	262388	2.03	ppbv	97
67) sec-Butylbenzene	19.42	105	1322404	1.97	ppbv	99
69) p-Isopropyltoluene	19.80	119	1068314	1.97	ppbv	99
70) n-Butylbenzene	20.77	91	1018573	1.88	ppbv	99
71) 2-Chlorotoluene	17.44	91	780227	1.89	ppbv	99
72) 4-Ethyltoluene	17.83	105	868132	1.93	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	807703	1.93	ppbv	99
74) 1,2,4-Trimethylbenzene	18.84	105	850704	1.94	ppbv	99
75) 1,3-Dichlorobenzene	19.13	146	536680	1.97	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	534204	1.91	ppbv	99
77) 1,2-Dichlorobenzene	20.04	146	517782	1.90	ppbv	100
78) Hexachloro-1,3-Butadiene	24.68	225	207228	1.90	ppbv	99
79) Naphthalene	23.94	128	521753	1.53	ppbv	99
80) Naphthalene, 2-methyl-	26.06	142	126237	1.58	ppbv	98
81) 1,2,4-Trichlorobenzene	23.75	180	256470	1.56	ppbv	99

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

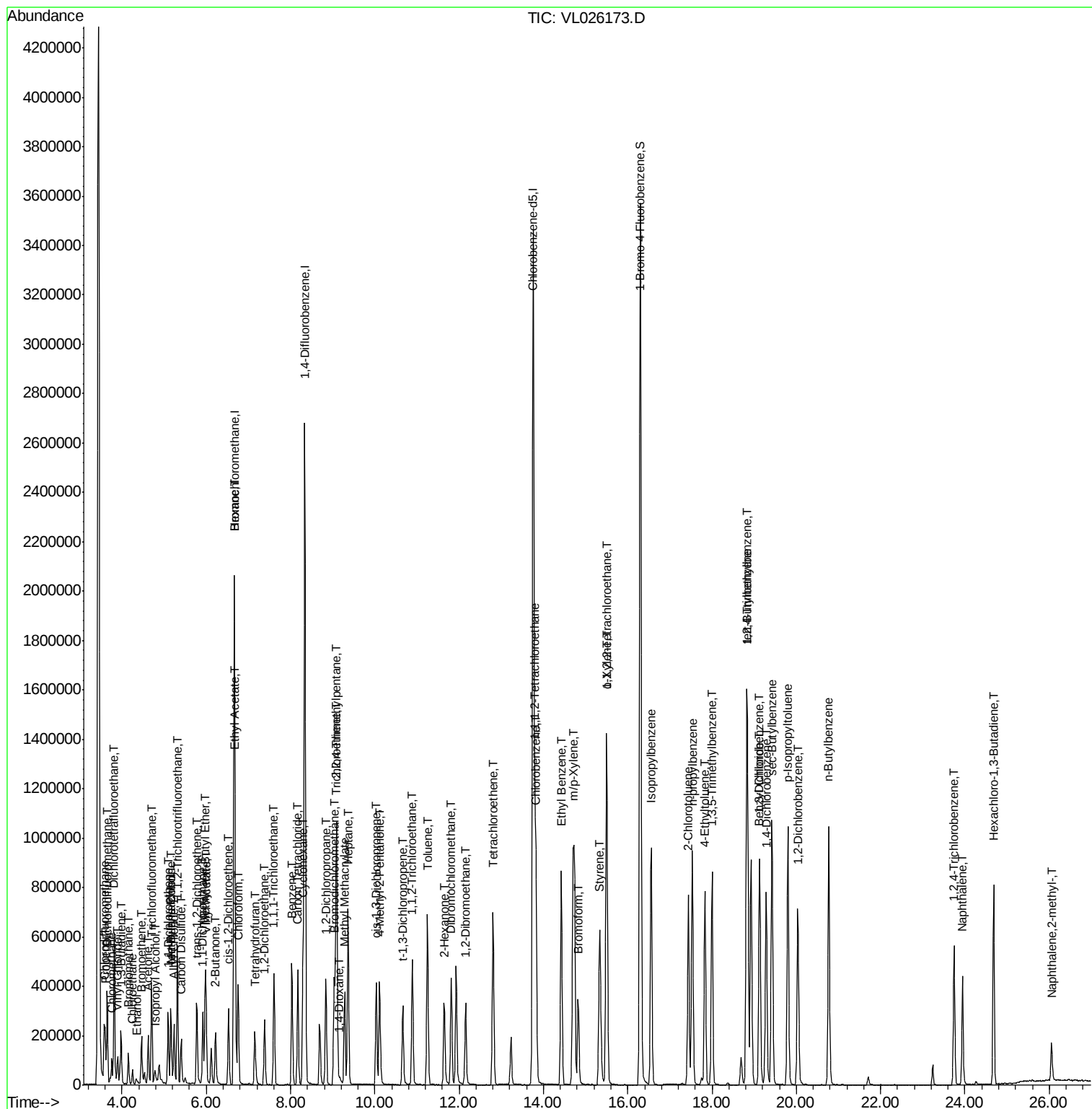
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026173.D
Acq On : 9 Oct 2015 11:40
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

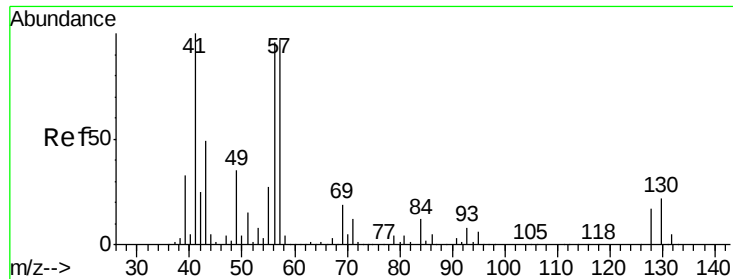
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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Quant Time: Oct 09 14:27:33 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration





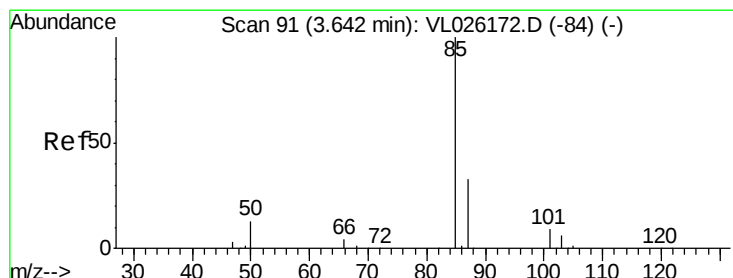
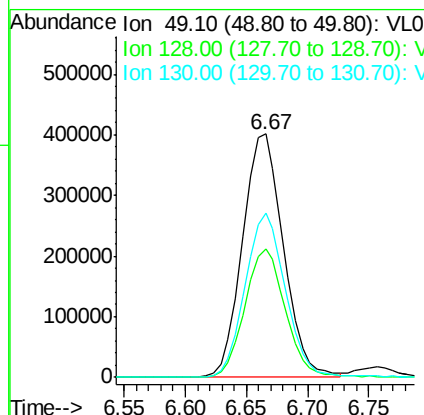
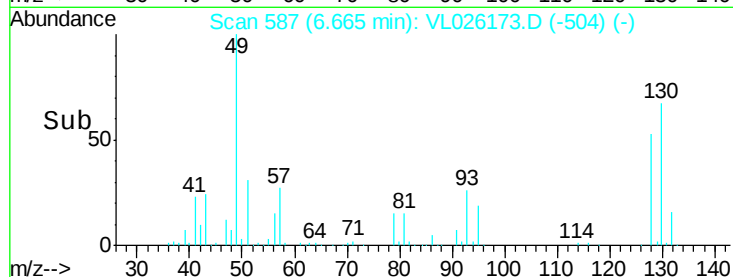
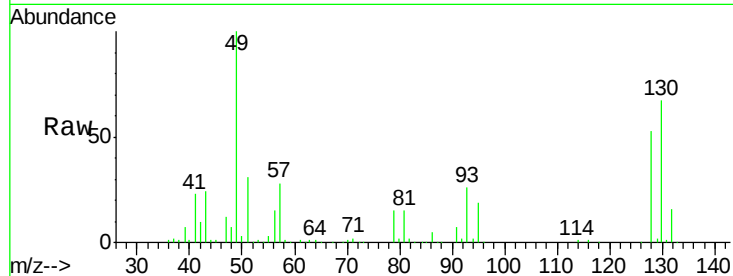
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.3	78.8
130	67.7	34.2	102.5

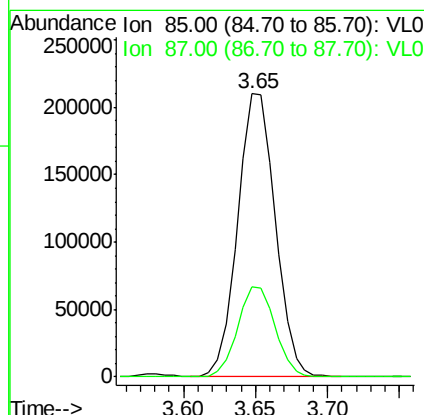
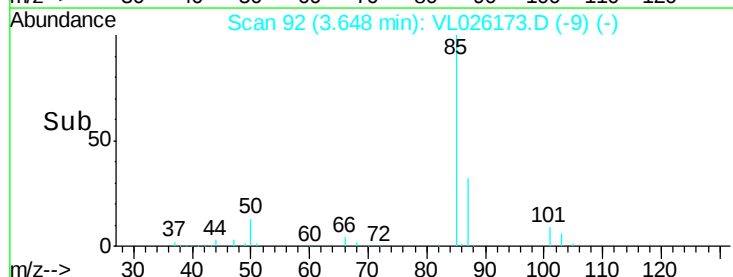
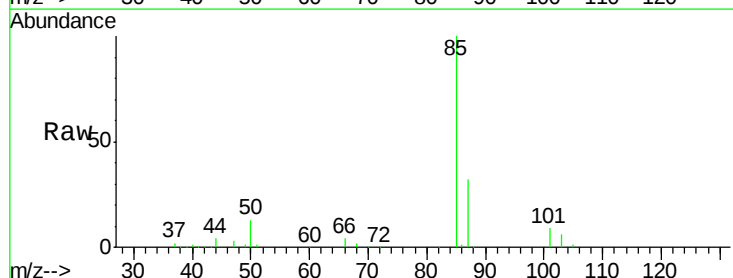
Manual Integrations
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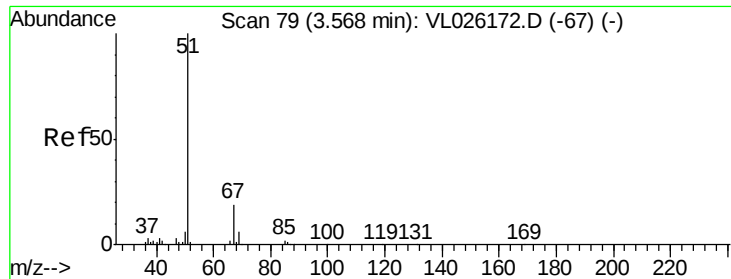
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#2
 Dichlorodifluoromethane
 Concen: 2.84 ppbv
 RT: 3.65 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.2	39.4





#3

Chlorodifluoromethane

Concen: 2.19 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 234411

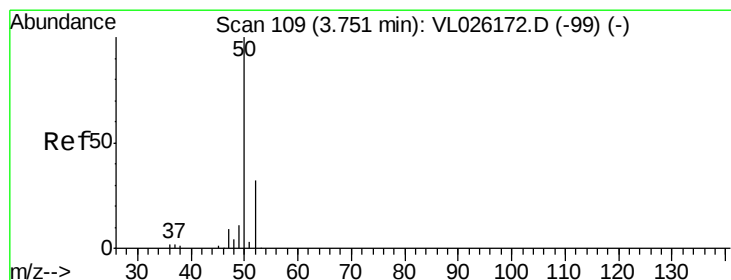
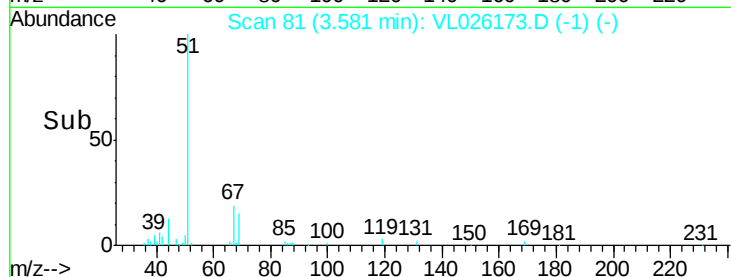
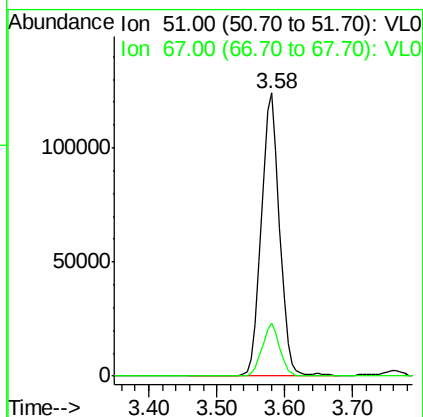
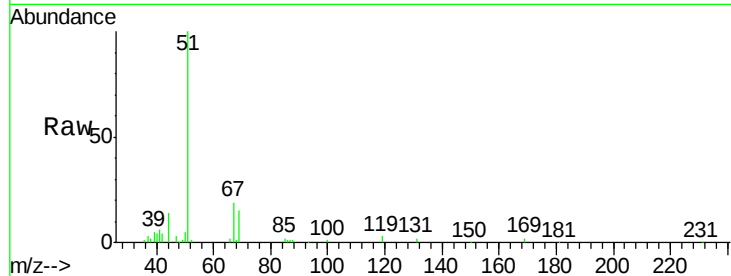
Ion Ratio Lower Upper

51 100

67 17.9 14.9 22.3

Manual Integrations
APPROVED

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#4

Chloromethane

Concen: 2.04 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL026173.D

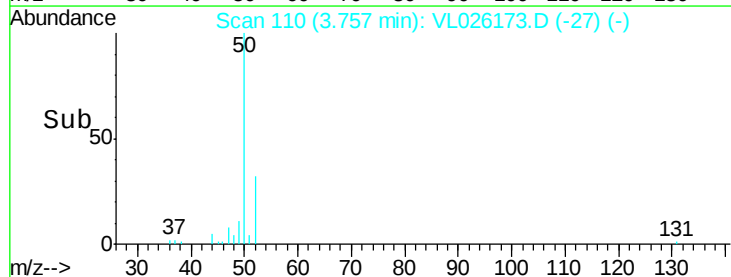
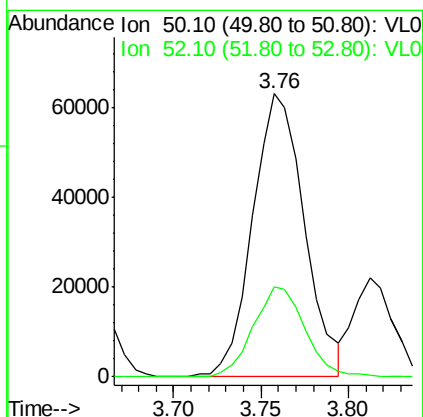
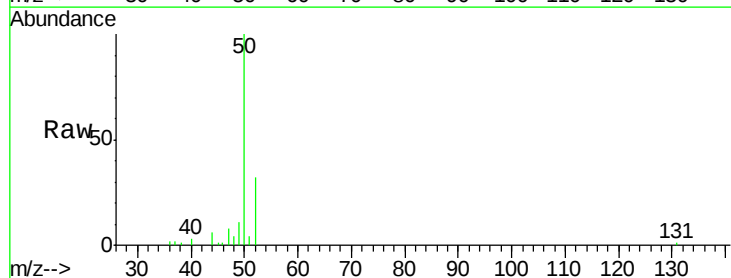
Acq: 9 Oct 2015 11:40

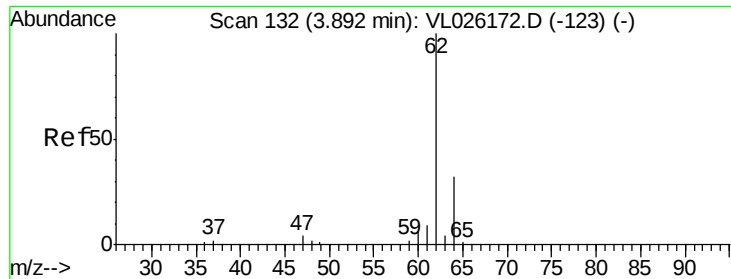
Tgt Ion: 50 Resp: 129580

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9





#5

Vinyl Chloride

Concen: 1.91 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 129185

Ion Ratio Lower Upper

62 100

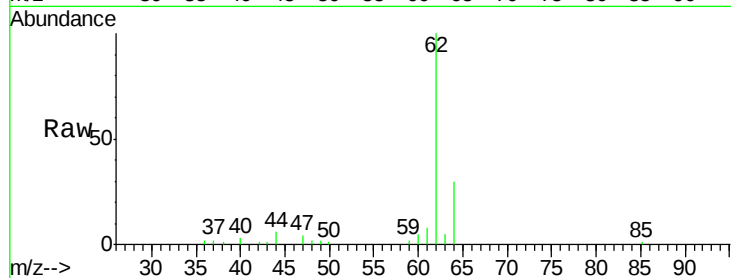
64 30.4 25.6 38.4

Manual Integrations

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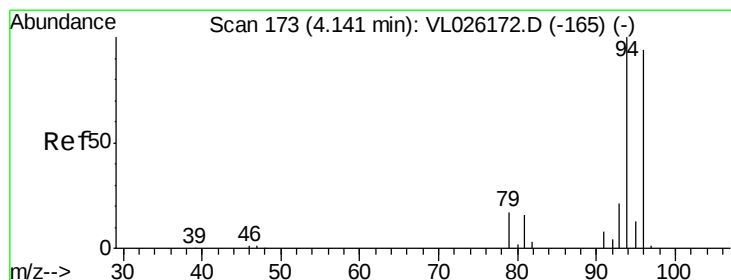
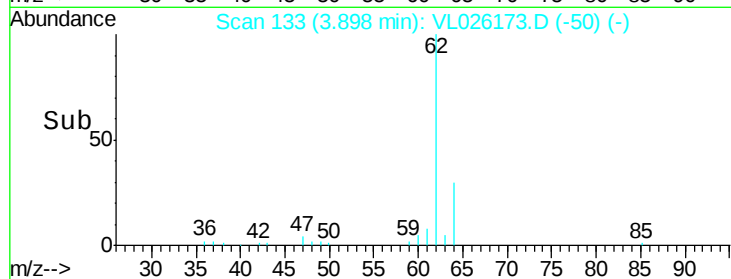
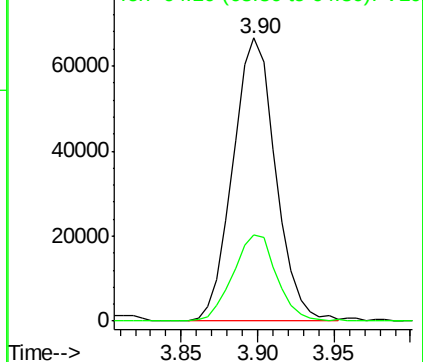
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.14 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026173.D

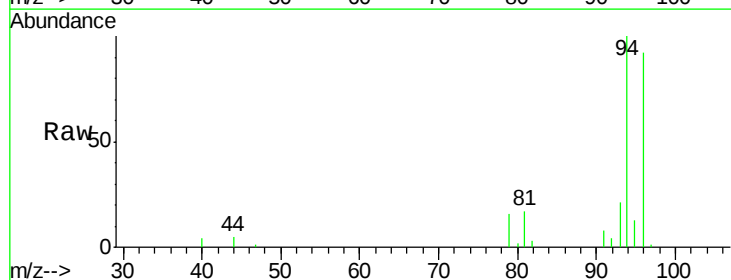
Acq: 9 Oct 2015 11:40

Tgt Ion: 94 Resp: 91134

Ion Ratio Lower Upper

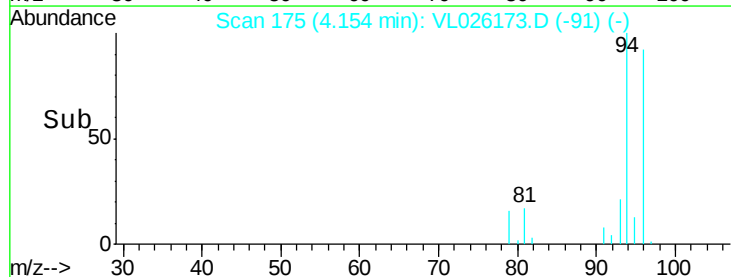
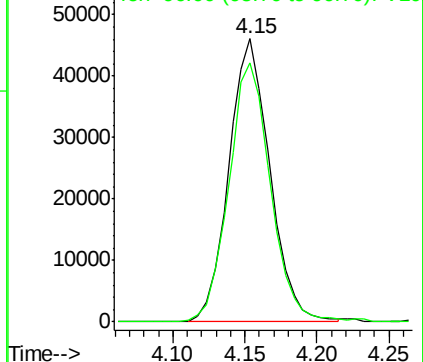
94 100

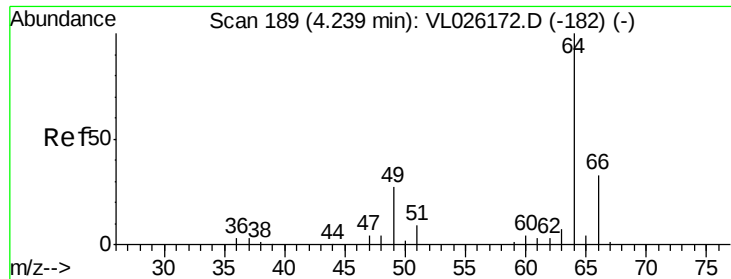
96 91.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.09 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 55104

Ion Ratio Lower Upper

64 100

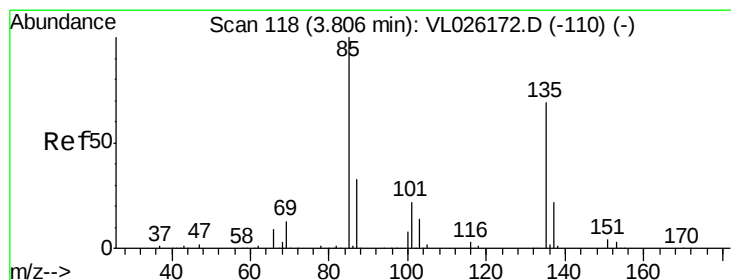
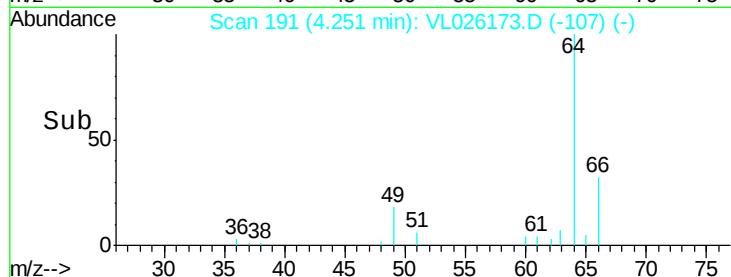
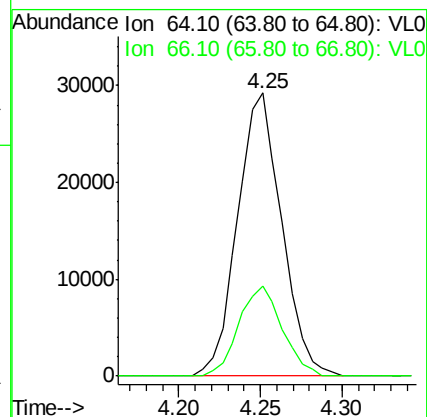
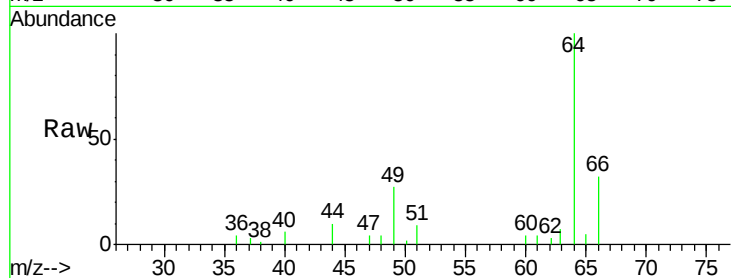
66 31.8 26.5 39.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.22 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL026173.D

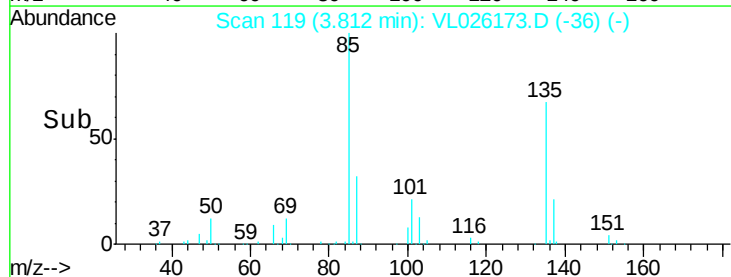
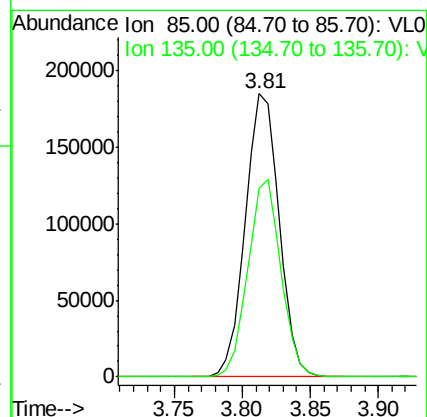
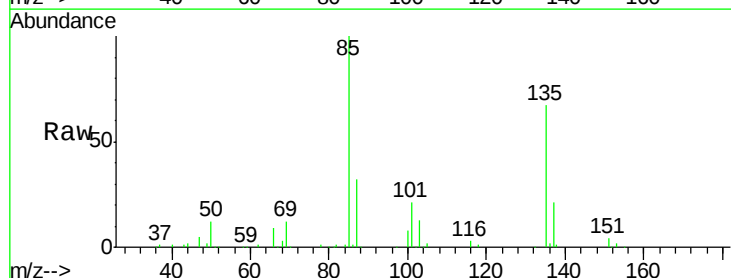
Acq: 9 Oct 2015 11:40

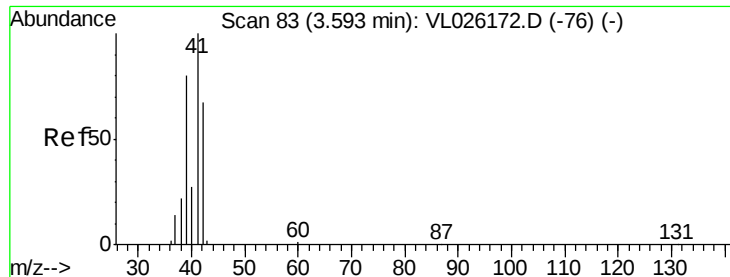
Tgt Ion: 85 Resp: 322969

Ion Ratio Lower Upper

85 100

135 68.1 55.3 82.9





#9

Propene

Concen: 1.94 ppbv

RT: 3.61 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 105521

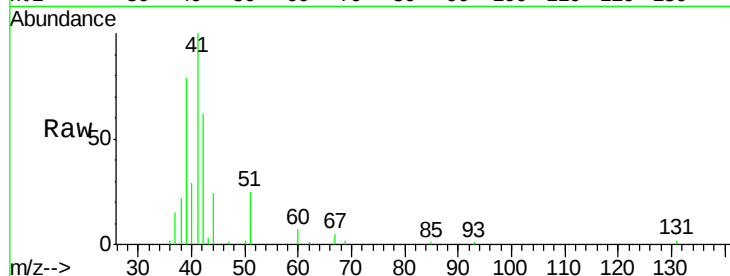
Ion Ratio Lower Upper

41 100

42 66.2 53.6 80.4

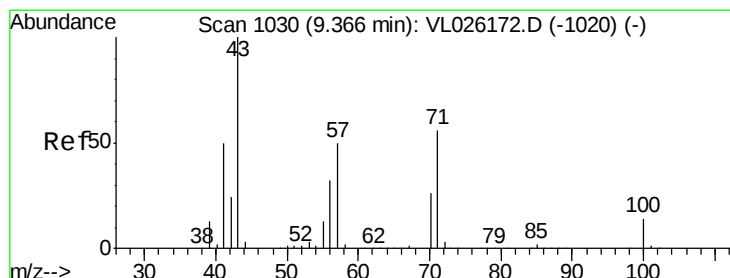
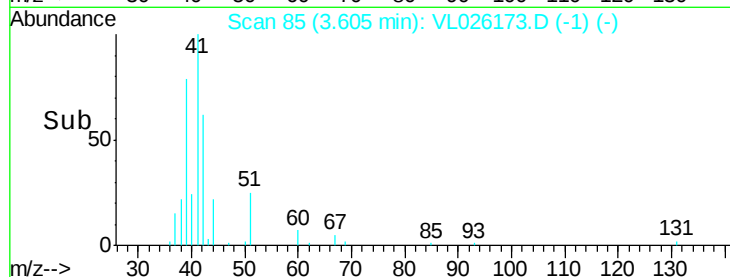
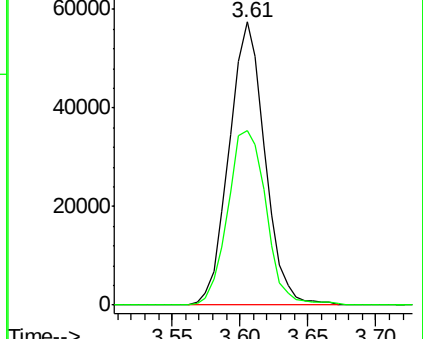
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.93 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL026173.D

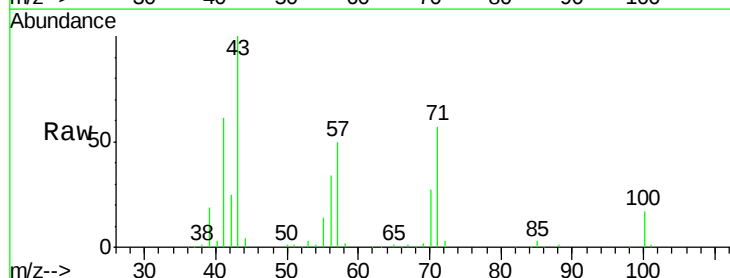
Acq: 9 Oct 2015 11:40

Tgt Ion: 43 Resp: 365169

Ion Ratio Lower Upper

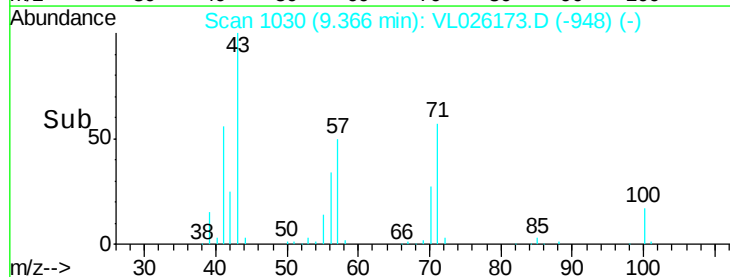
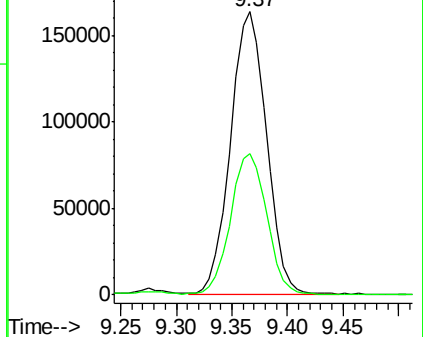
43 100

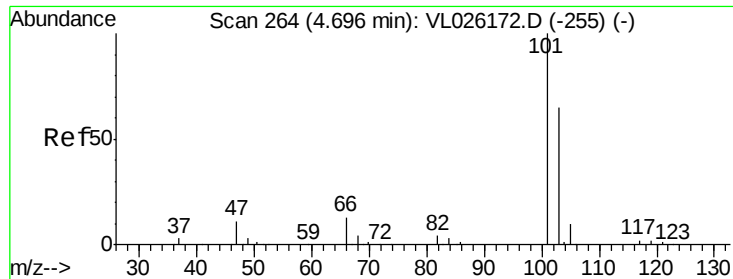
57 52.7 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 2.30 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 353604

Ion Ratio Lower Upper

101 100

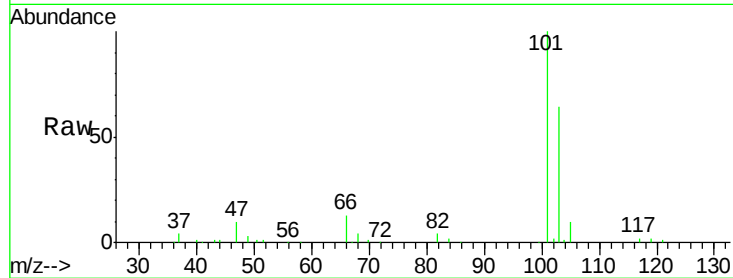
103 63.6 51.9 77.9

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.70

200000

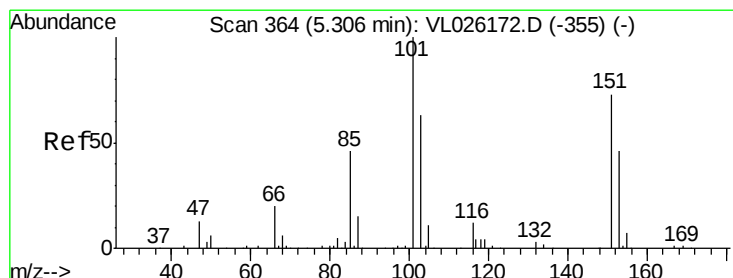
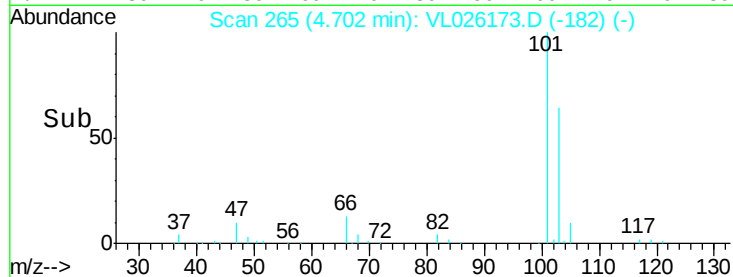
150000

100000

50000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.29 ppbv

RT: 5.31 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL026173.D

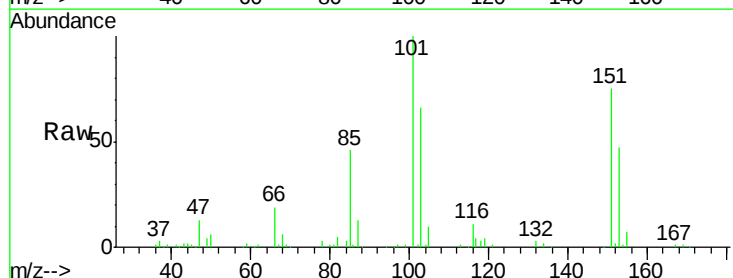
Acq: 9 Oct 2015 11:40

Tgt Ion:101 Resp: 242570

Ion Ratio Lower Upper

101 100

151 74.0 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

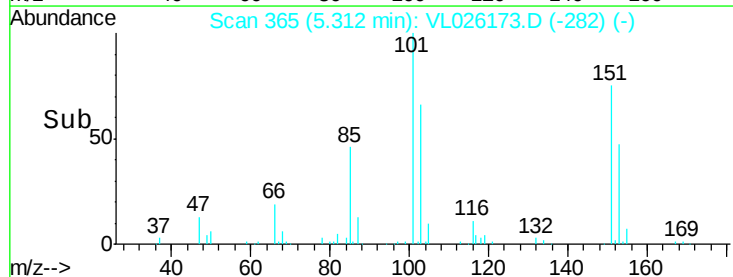
5.31

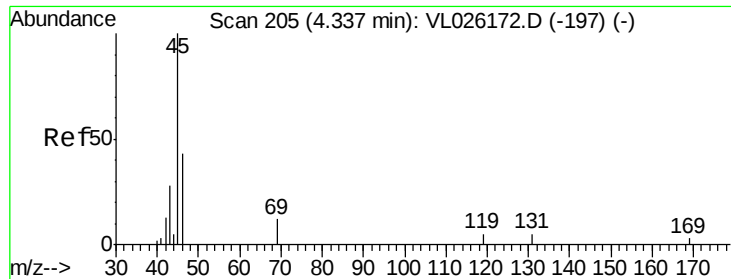
100000

50000

0

Time-->





#13

Ethanol

Concen: 2.38 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.02 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tot Ion: 45 Resp: 15716

Ion Ratio Lower Upper

45 100

46 38.7 18.1 72.5

Instrument :

MSVOA_L

ClientSampleId :

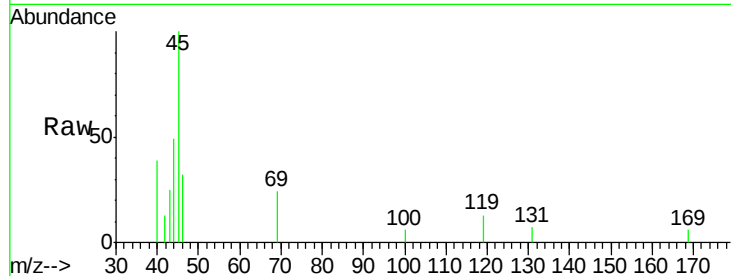
VSTDIC002

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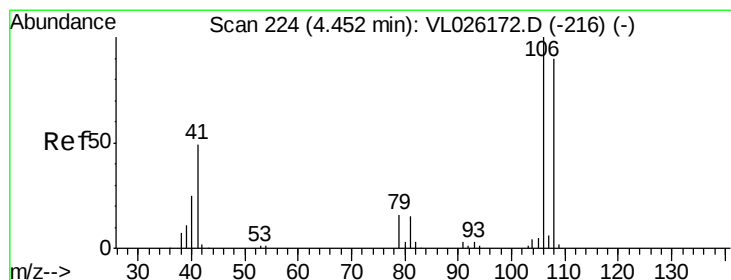
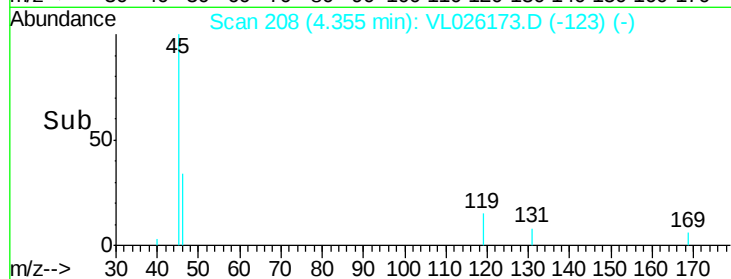
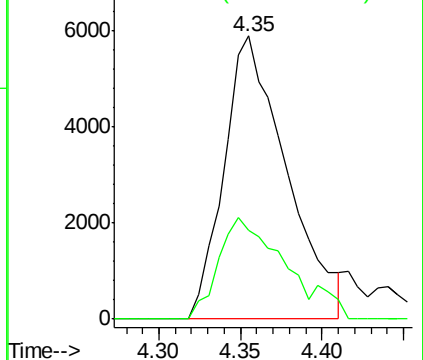
MMdadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 2.21 ppbv

RT: 4.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

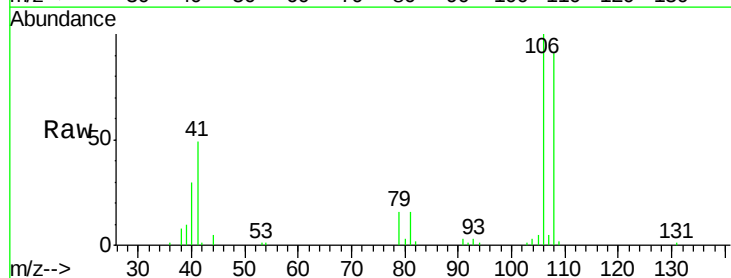
Tgt Ion: 108 Resp: 99876

Ion Ratio Lower Upper

108 100

106 106.8 85.9 128.9

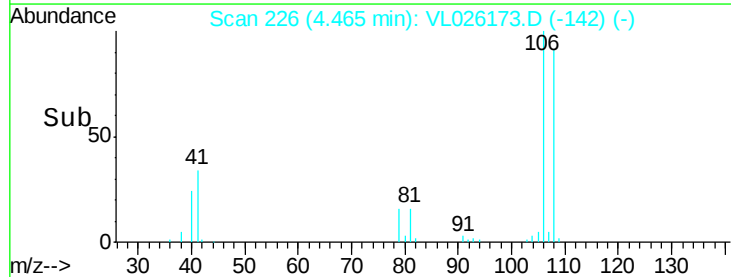
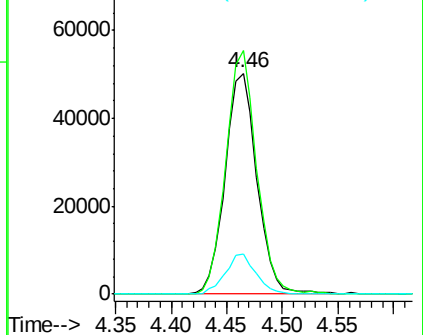
79 17.1 14.0 21.0

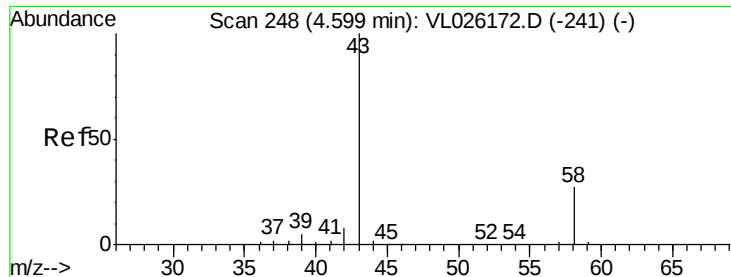


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 2.15 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 249750

Ion Ratio Lower Upper

43 100

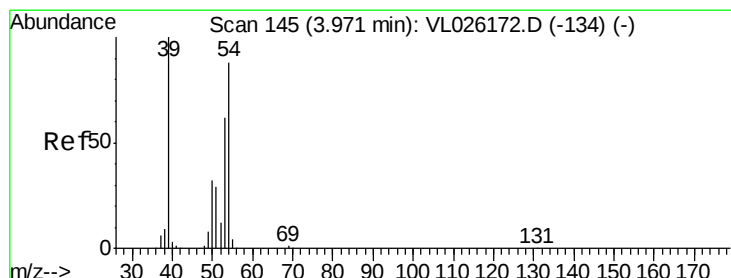
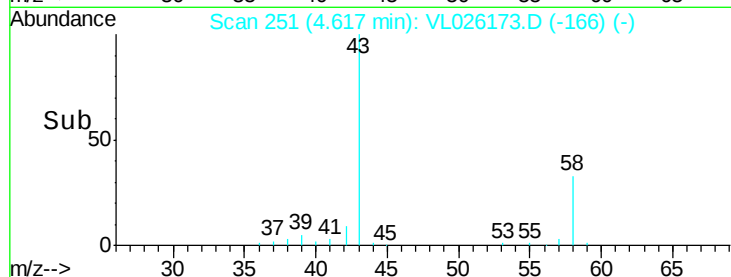
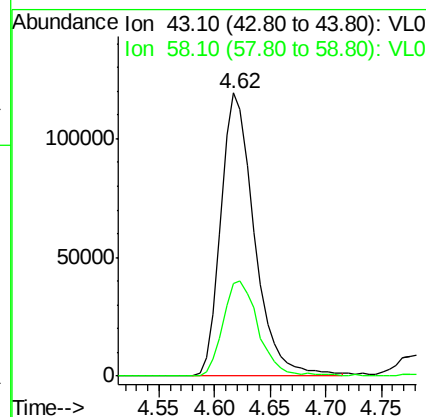
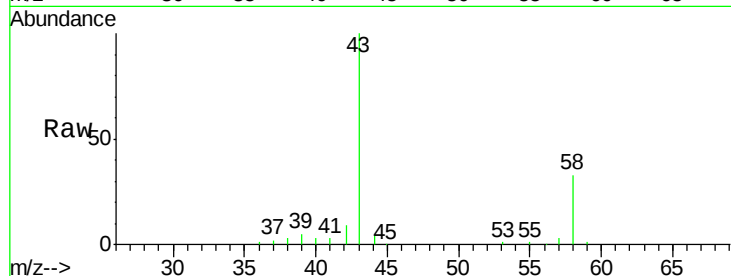
58 35.8 22.0 33.0#

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.02 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL026173.D

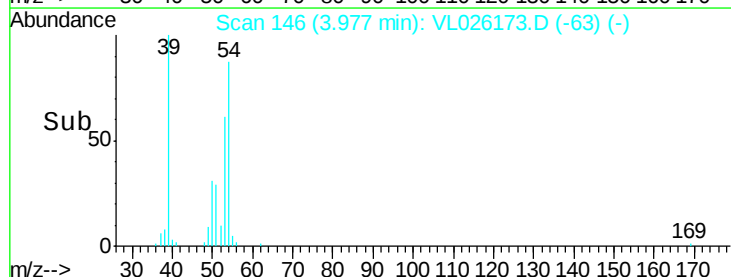
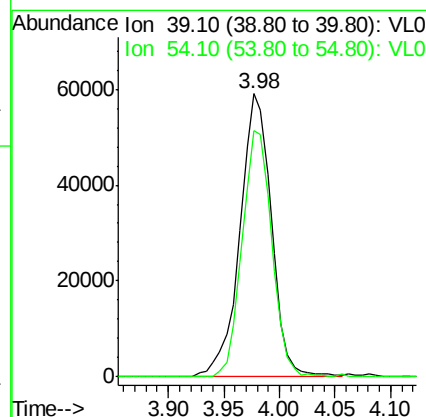
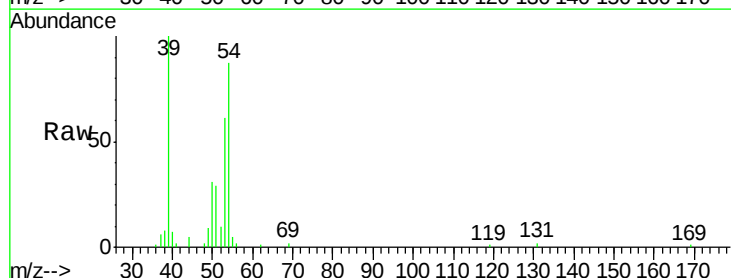
Acq: 9 Oct 2015 11:40

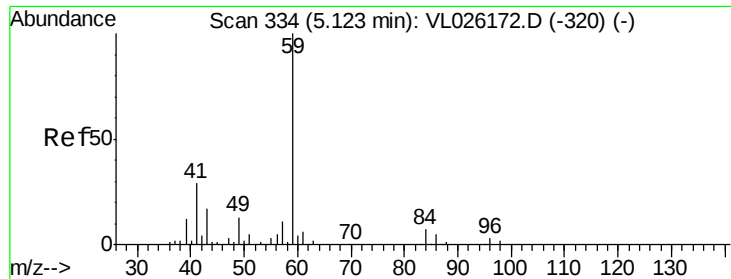
Tgt Ion: 39 Resp: 116559

Ion Ratio Lower Upper

39 100

54 81.7 67.9 101.9





#17

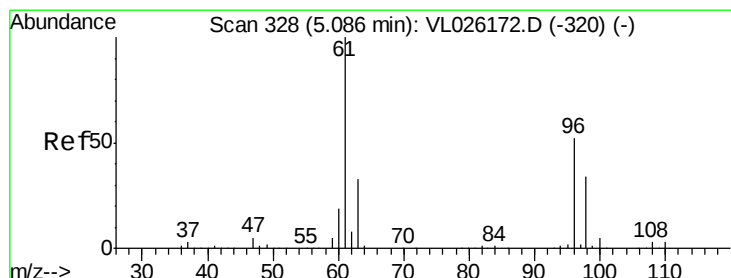
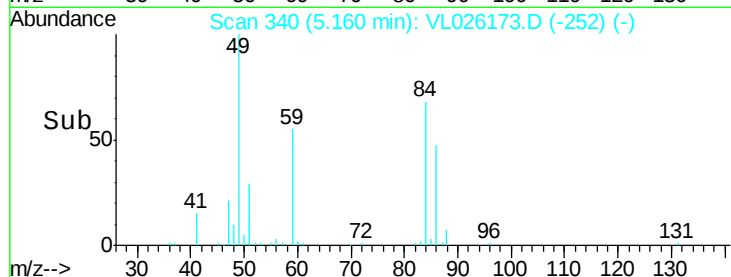
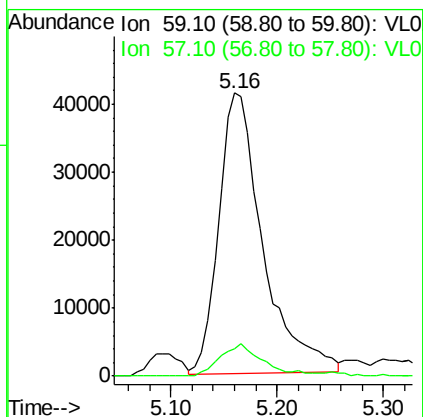
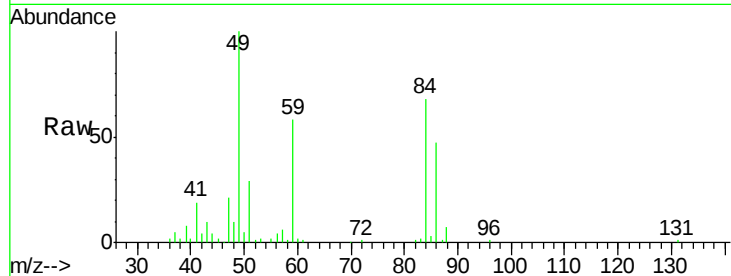
tert-Butyl alcohol
Concen: 1.59 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59	Resp	119577
Ion Ratio	100	Lower	Upper
57	11.9	8.8	13.2

Manual Integrations
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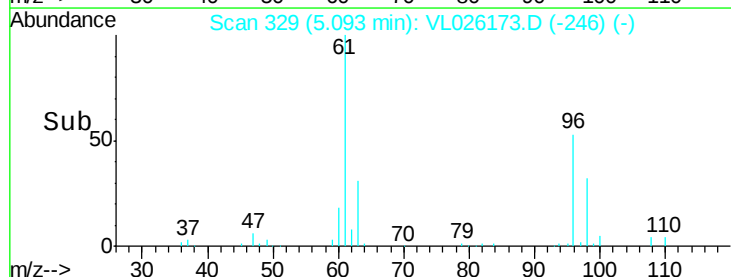
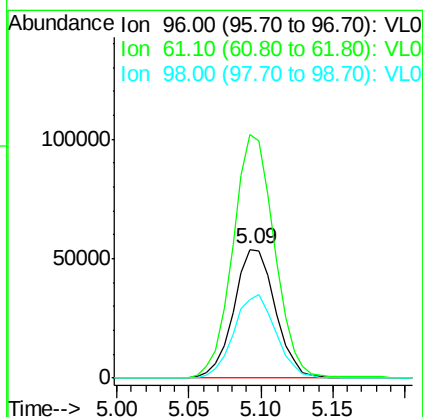
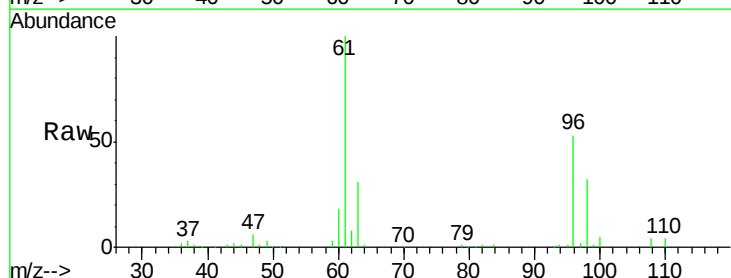
MMdadoda
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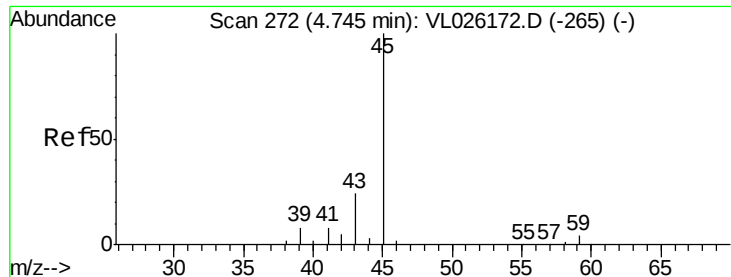


#18

1,1-Dichloroethene
Concen: 2.19 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	96	Resp	108476
Ion Ratio	100	Lower	Upper
61	189.3	153.2	229.8
98	61.3	52.1	78.1





#19

Isopropyl Alcohol

Concen: 1.88 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.04 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 91373

Ion Ratio Lower Upper

45 100

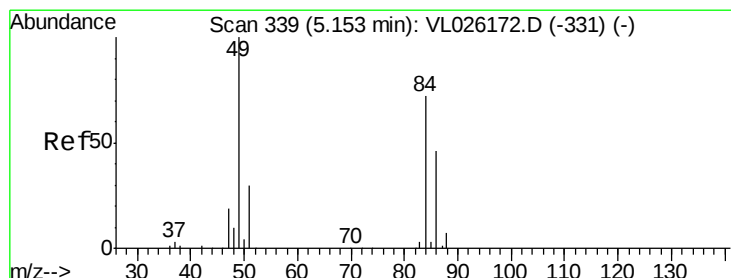
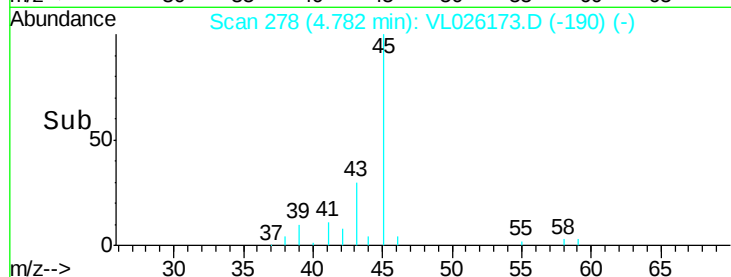
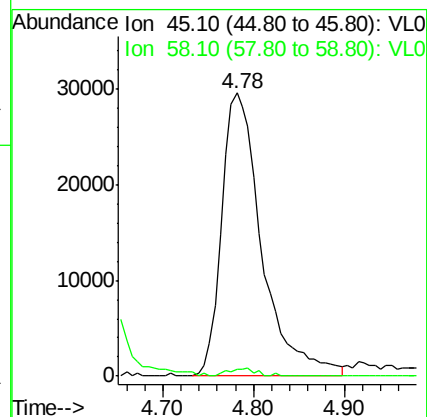
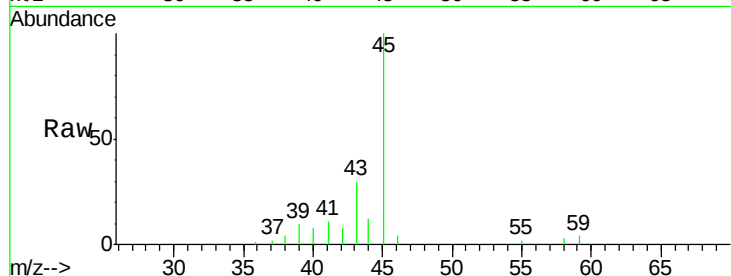
58 97.9 1.7 2.5#

Manual Integrations

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MMdadoda

10/12/2015 1:25:28 PM



#20

Methylene Chloride

Concen: 2.15 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion: 84 Resp: 105923

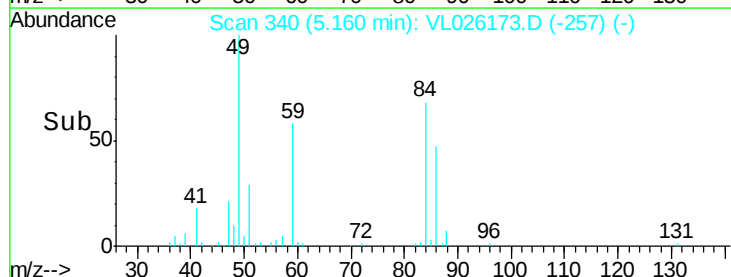
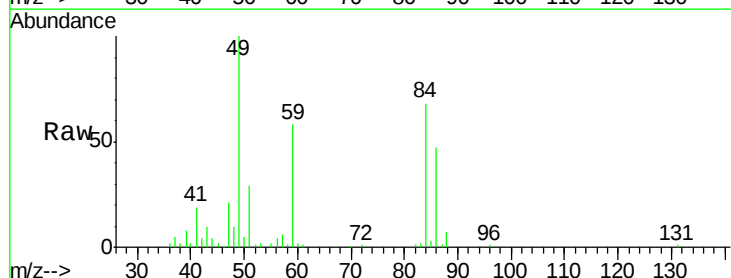
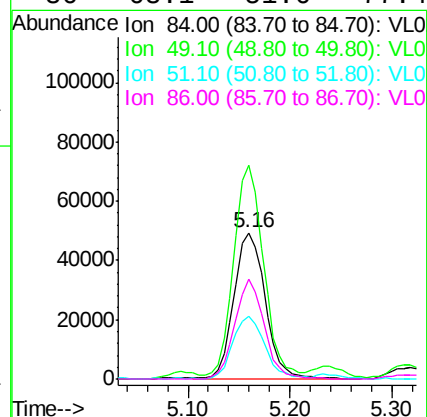
Ion Ratio Lower Upper

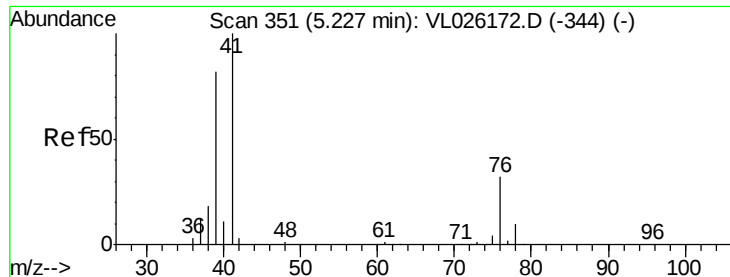
84 100

49 142.0 111.3 166.9

51 41.8 33.0 49.6

86 68.1 51.6 77.4





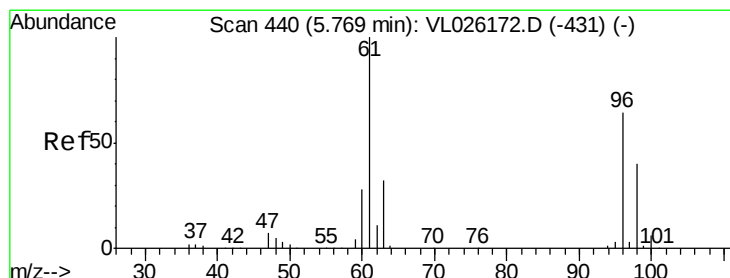
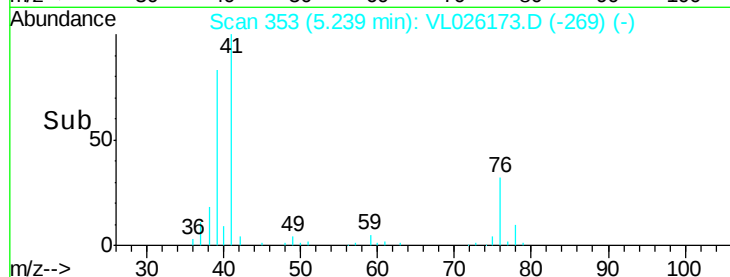
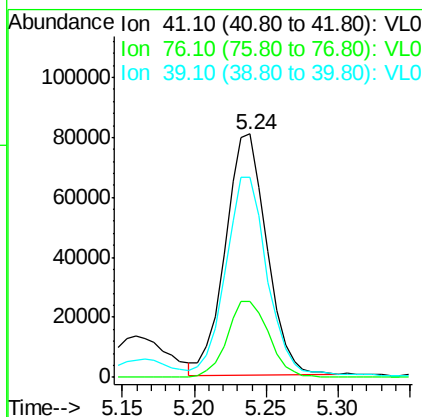
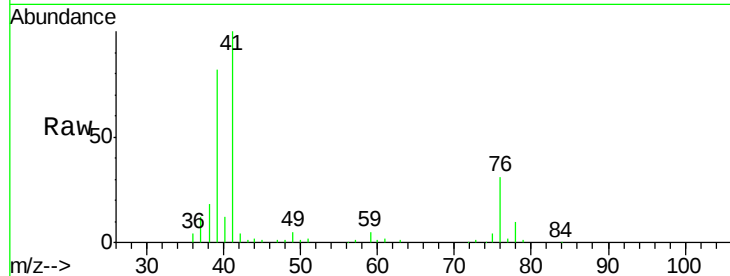
#21
Allvl Chloride
Concen: 2.02 ppbv
RT: 5.24 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.6	25.4	38.2
39	97.5	66.5	99.7

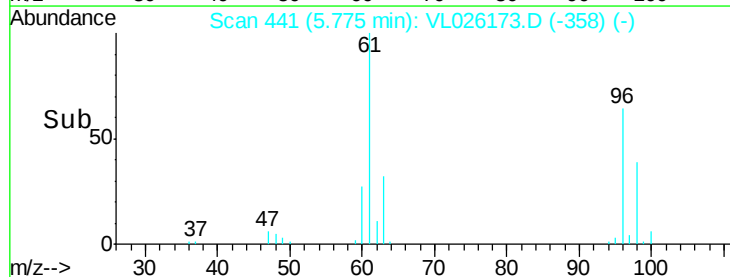
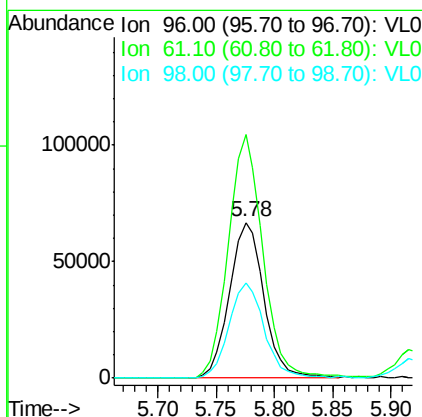
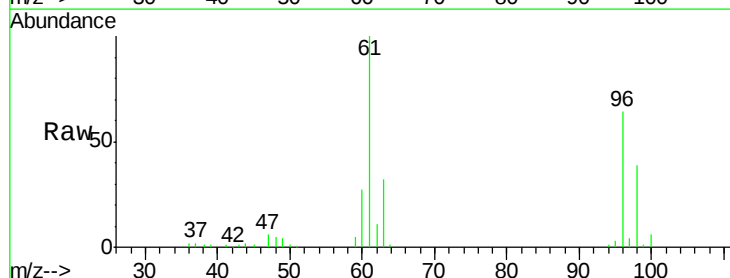
Manual Integrations
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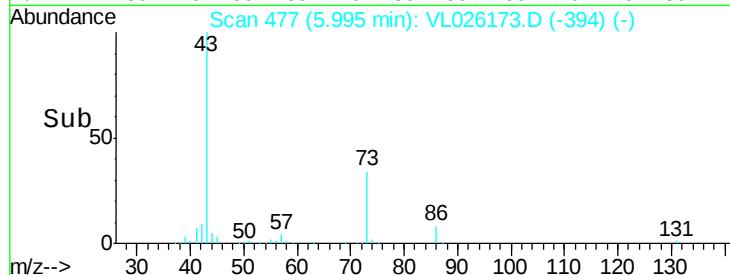
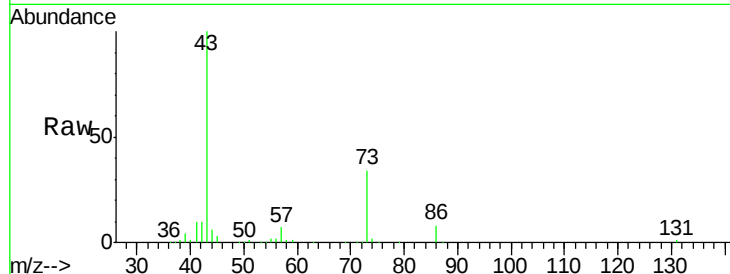
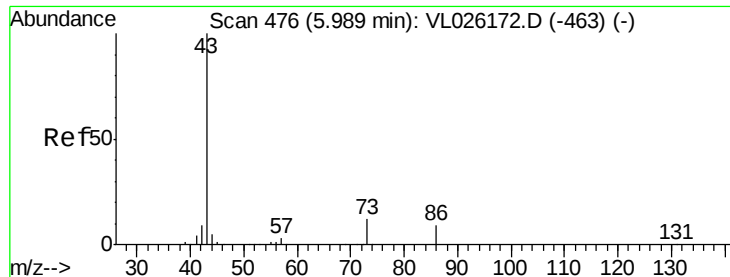
MMdadoda
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#22
trans-1,2-Dichloroethene
Concen: 2.07 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.8	188.6
98	61.0	50.6	75.8





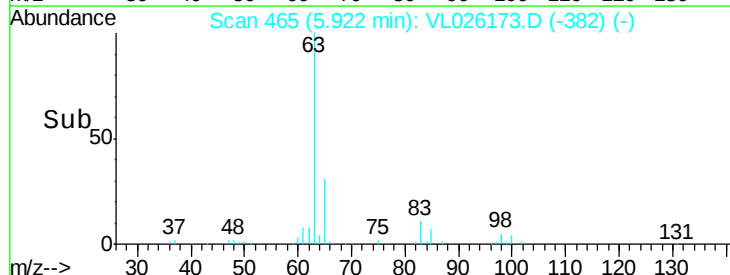
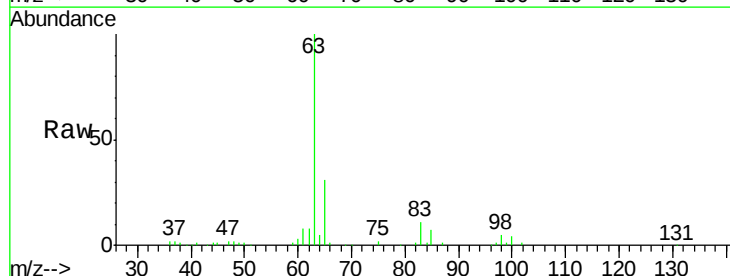
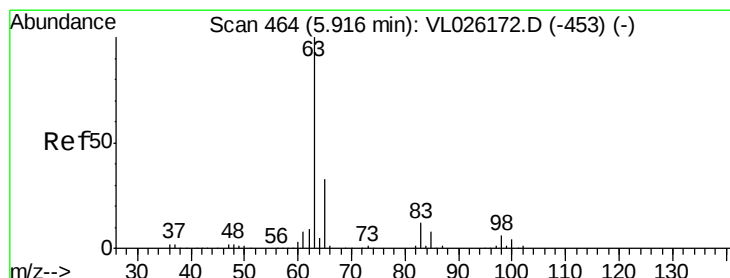
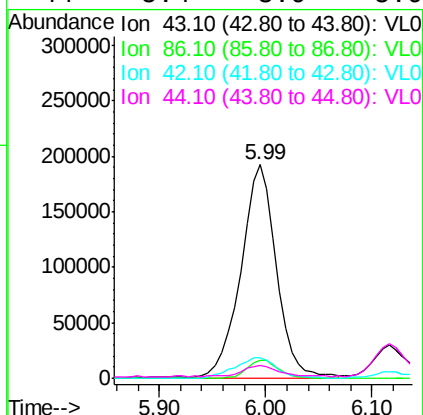
#23
 Vinyl Acetate
 Concen: 2.04 ppbv
 RT: 5.99 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		448594		
86	8.2	7.2	10.8		
42	9.5	7.4	11.2		
44	5.4	3.9	5.9		

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

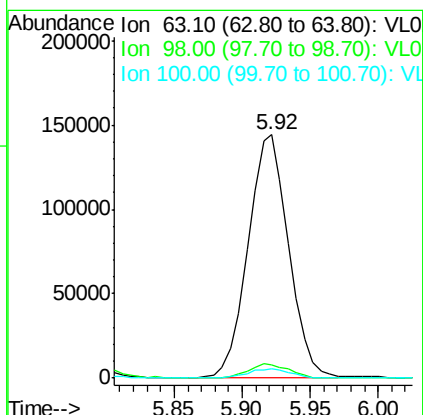
Manual Integrations
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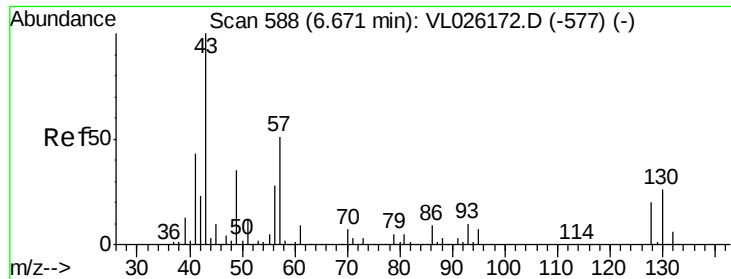
MMdadoda
 10/12/2015 1:25:28 PM



#24
 1,1-Dichloroethane
 Concen: 2.03 ppbv
 RT: 5.92 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		300665		
98	5.4	2.9	8.7		
100	4.1	1.8	5.5		





#25

Ethyl Acetate

Concen: 1.99 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.02 min

Lab File: VL026173.D

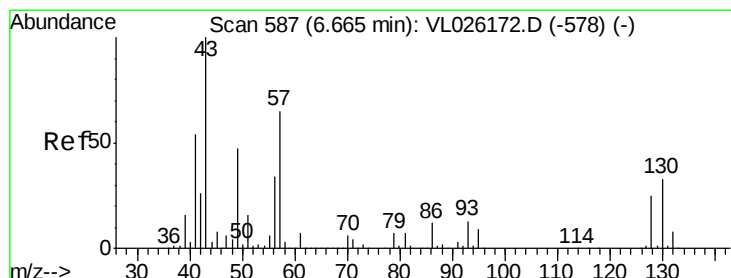
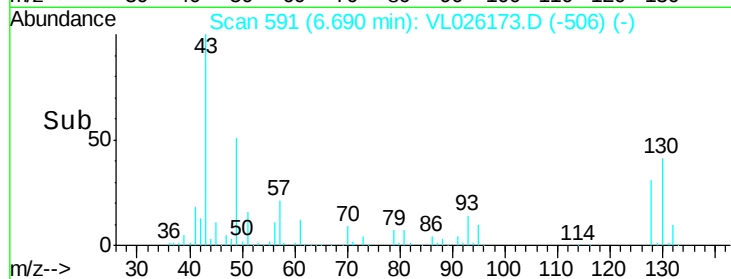
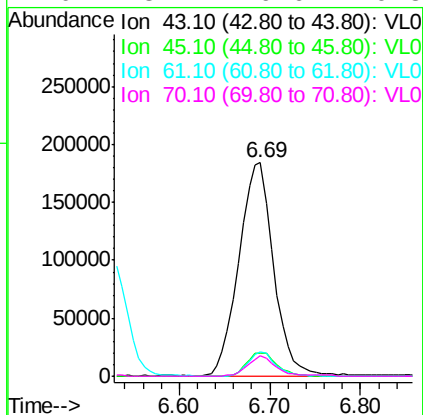
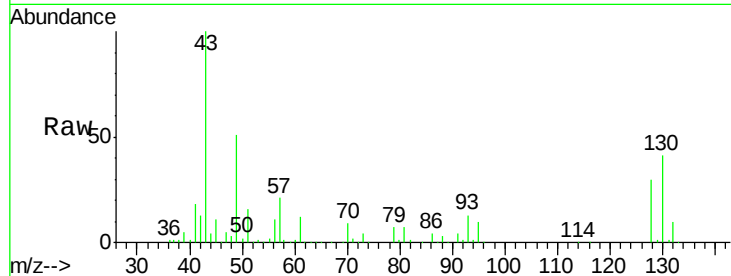
Acq: 9 Oct 2015 11:40

Tot Ion	43	Resp	491285
Ion Ratio	Lower	Upper	
43	100		
45	9.7	7.7	11.5
61	9.4	7.4	11.2
70	8.1	6.6	9.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Manual Integrations
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MMdadoda
10/12/2015 1:25:28 PM



#26

Hexane

Concen: 2.01 ppbv

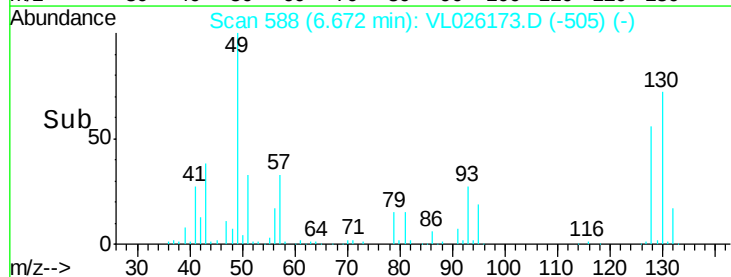
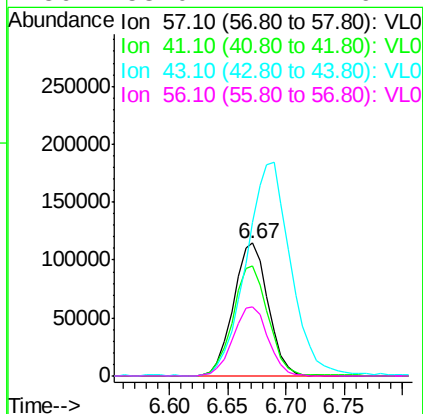
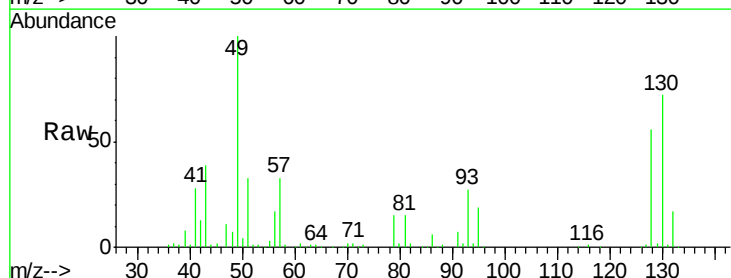
RT: 6.67 min Scan# 588

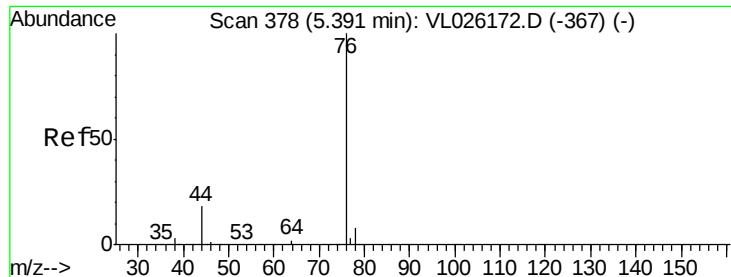
Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion	57	Resp	237642
Ion Ratio	Lower	Upper	
57	100		
41	84.8	68.0	102.0
43	206.8	164.4	246.6
56	53.0	42.7	64.1





#27

Carbon Disulfide

Concen: 2.23 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

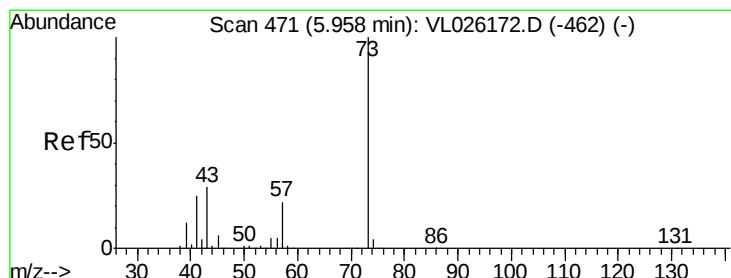
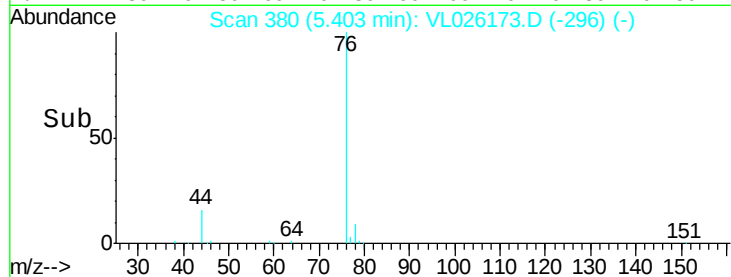
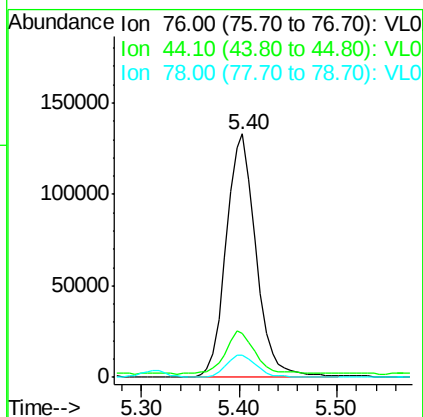
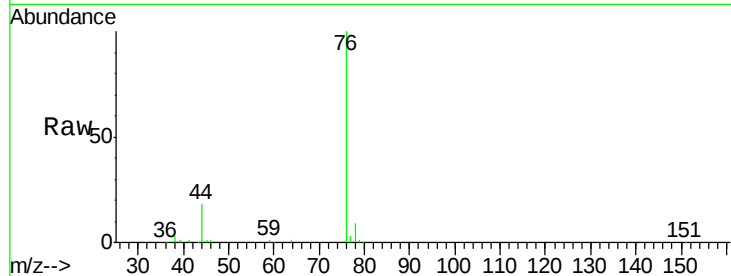
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	282175
Ion Ratio	Lower	Upper	
76	100		
44	17.8	14.2	21.4
78	9.4	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 2.12 ppbv

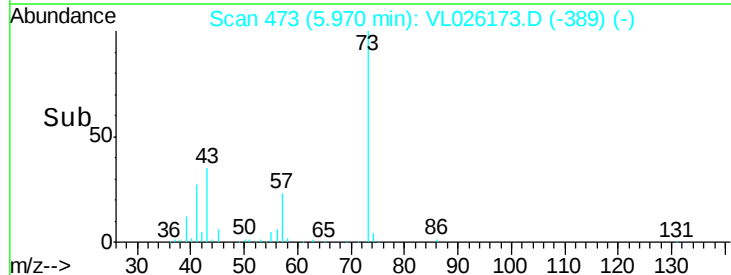
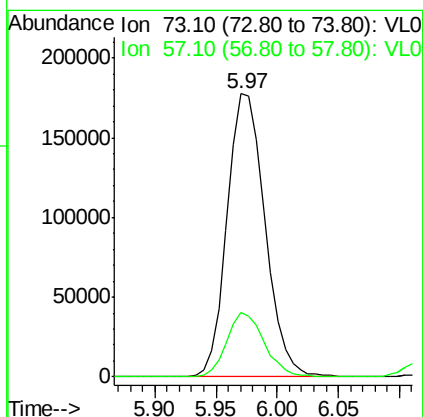
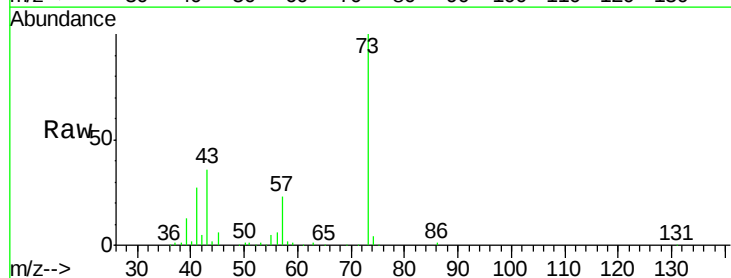
RT: 5.97 min Scan# 473

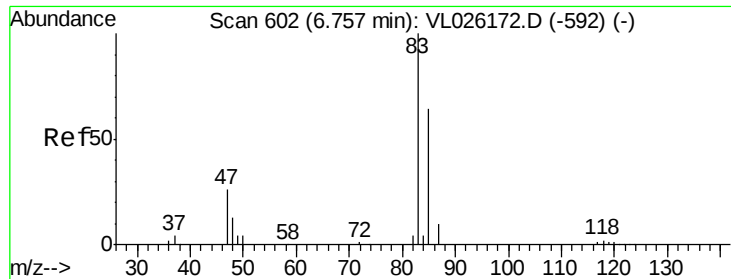
Delta R.T. 0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	73	Resp:	381505
Ion Ratio	Lower	Upper	
73	100		
57	22.7	17.8	26.6





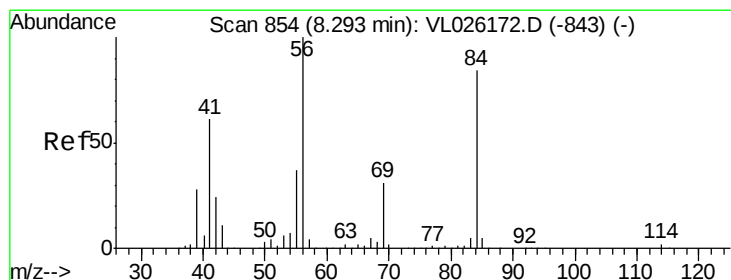
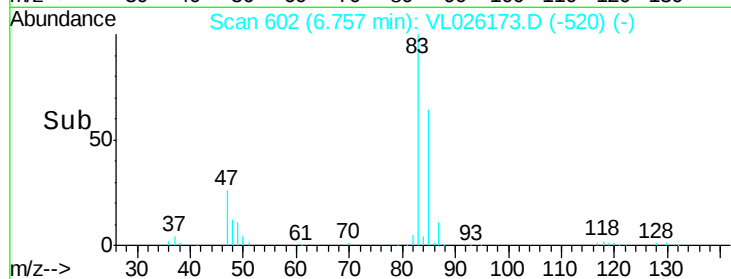
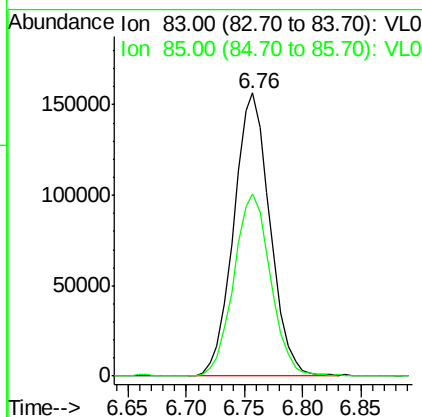
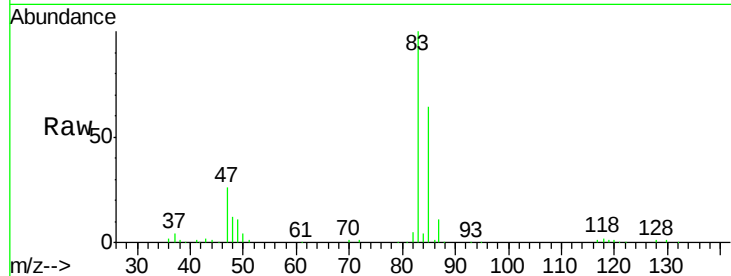
#29
Chloroform
Concen: 2.07 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	339454
Ion Ratio	100	Lower	Upper
85	64.4	51.5	77.3

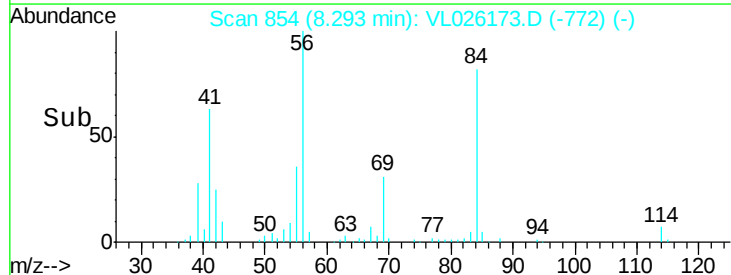
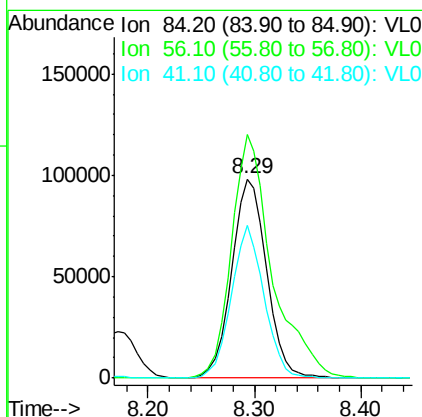
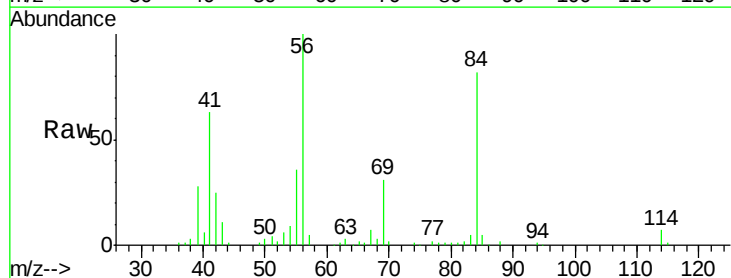
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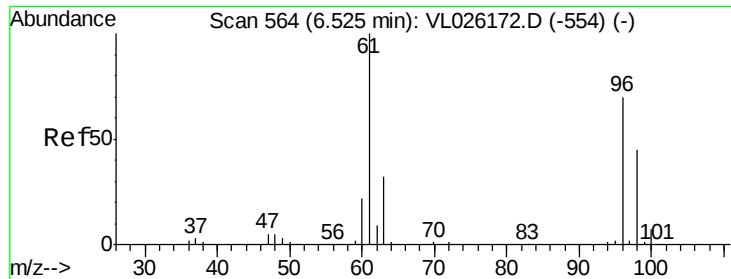
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#30
Cyclohexane
Concen: 2.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	84	Resp	226052
Ion Ratio	100	Lower	Upper
56	142.3	99.8	149.8
41	71.9	58.1	87.1





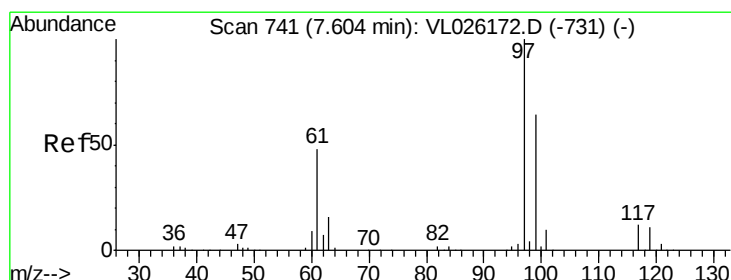
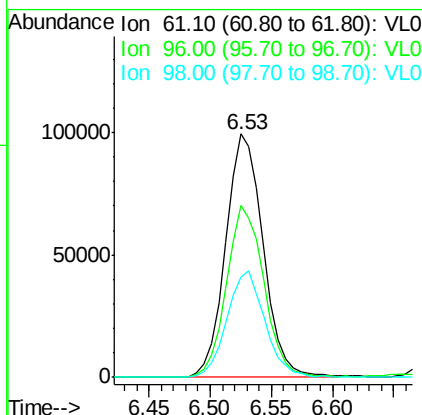
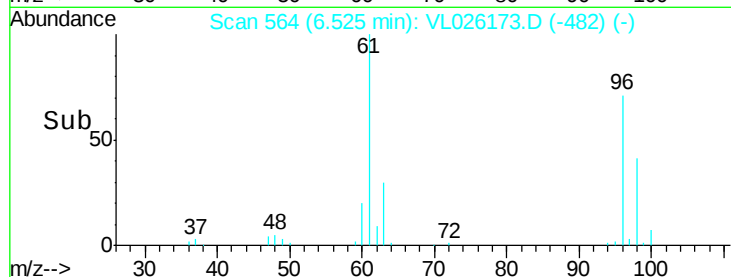
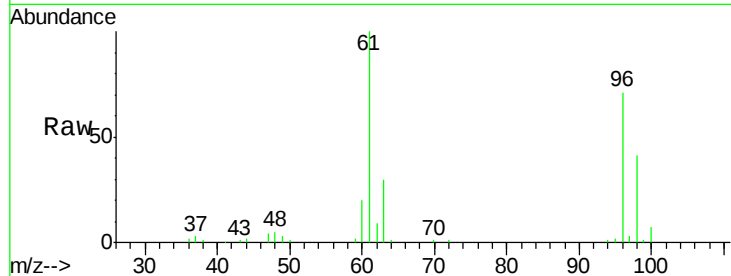
#31
 cis-1,2-Dichloroethene
 Concen: 1.96 ppbv
 RT: 6.53 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
61	100	211249		
96	70.6		55.8	83.8
98	41.3		35.8	53.6

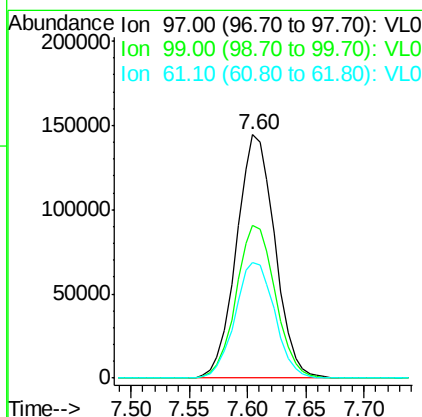
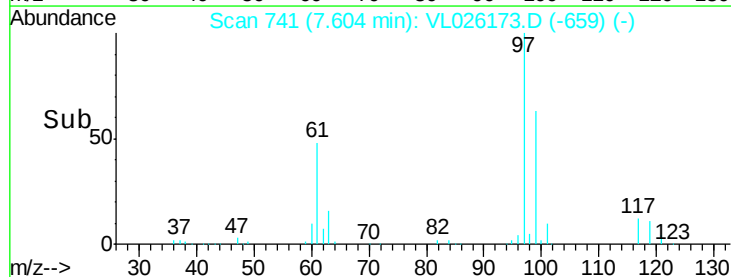
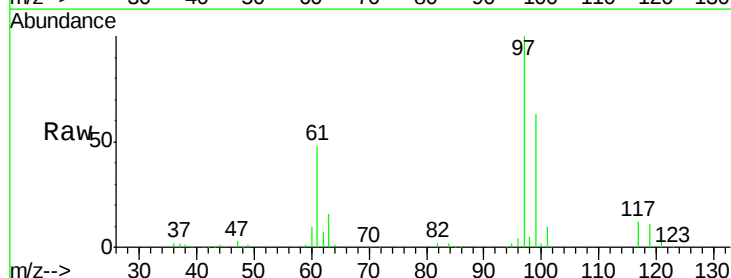
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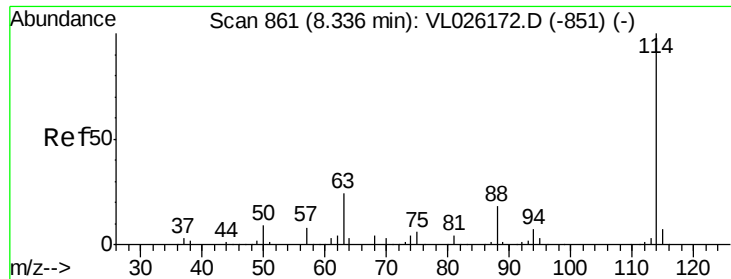
MMdadoda
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#32
 1,1,1-Trichloroethane
 Concen: 2.02 ppbv
 RT: 7.60 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	332328		
99	63.7		51.3	76.9
61	48.8		38.7	58.1





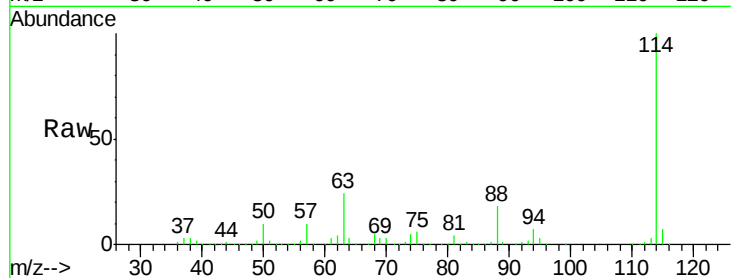
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

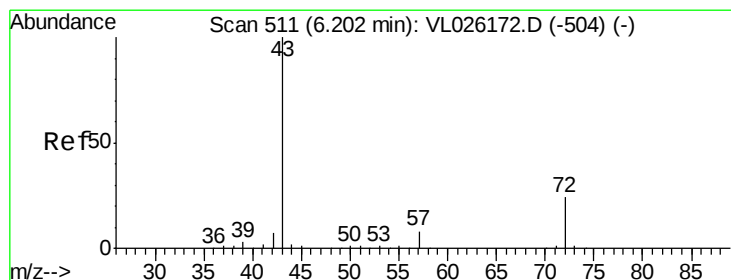
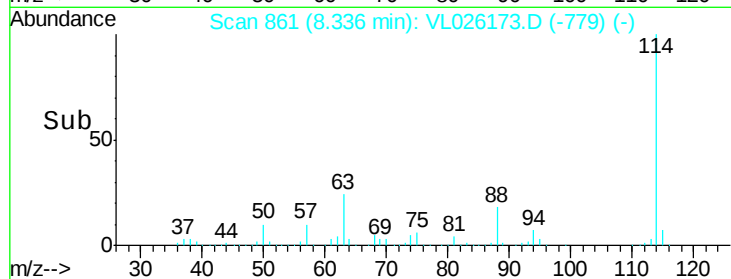
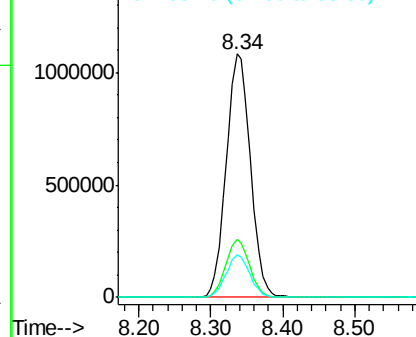
Tot Ion:114 Resp: 2537665
 Ion Ratio Lower Upper
 114 100
 63 23.4 19.0 28.6
 88 17.1 13.8 20.8

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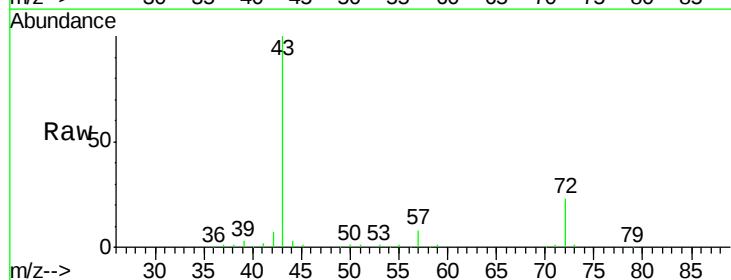


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

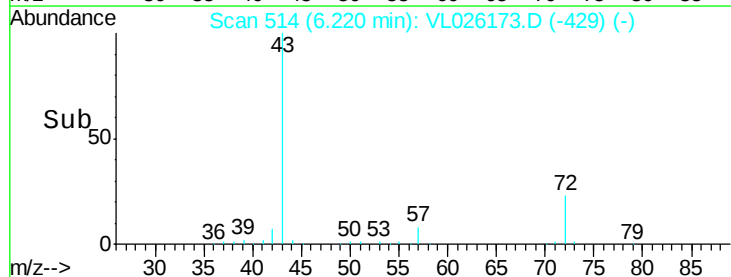
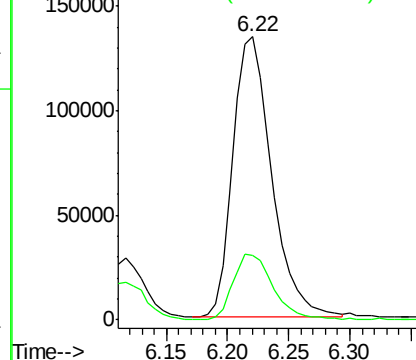


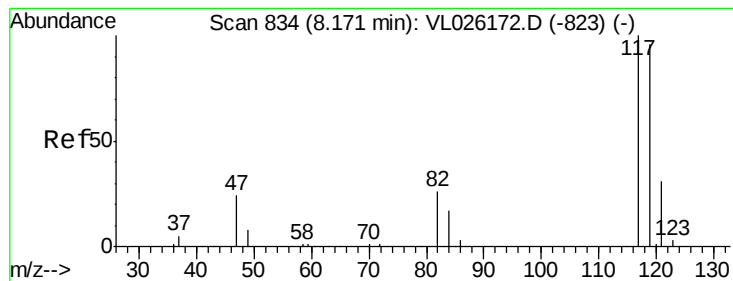
#34
 2-Butanone
 Concen: 1.81 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion: 43 Resp: 294034
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.00 ppbv

RT: 8.17 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

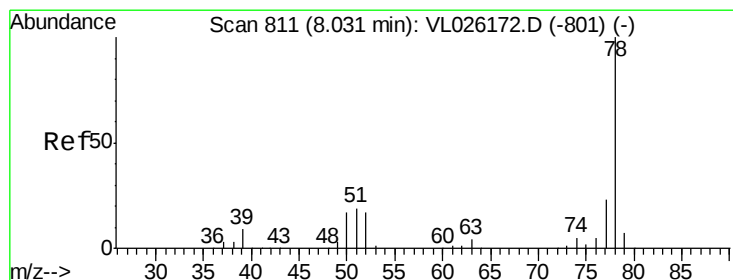
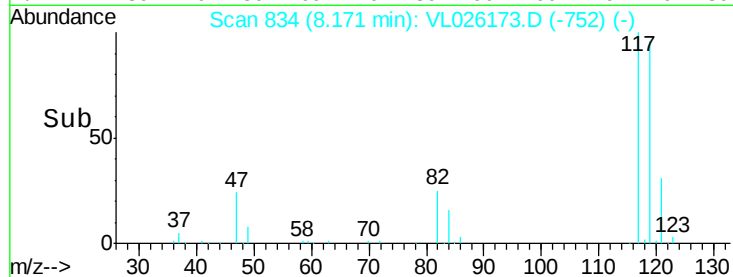
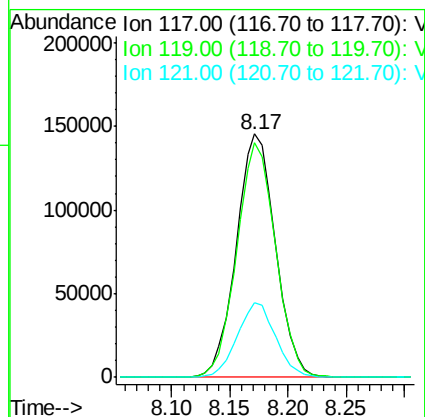
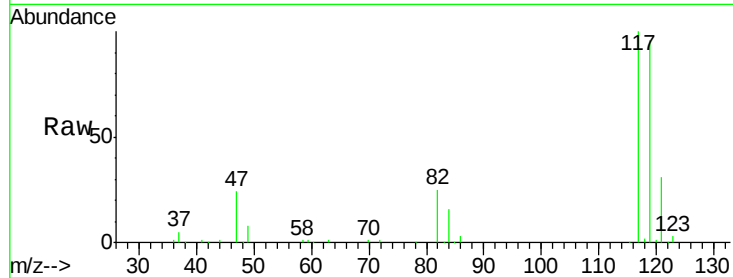
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	339784
Ion Ratio	Lower	Upper	
117	100		
119	96.3	76.6	115.0
121	30.7	25.0	37.4

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#36

Benzene

Concen: 1.92 ppbv

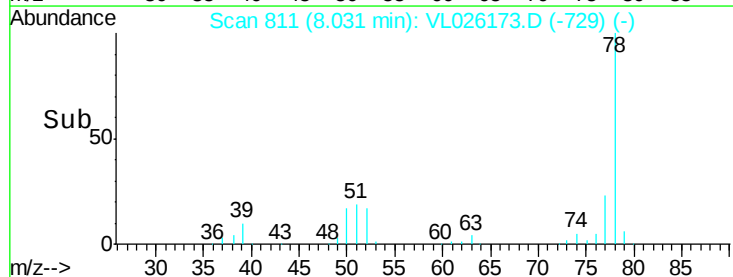
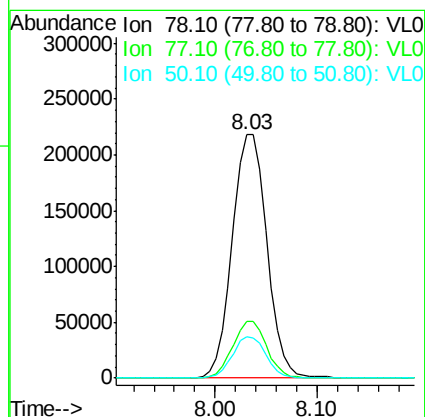
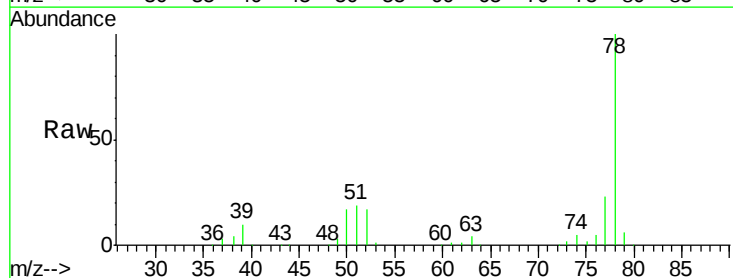
RT: 8.03 min Scan# 811

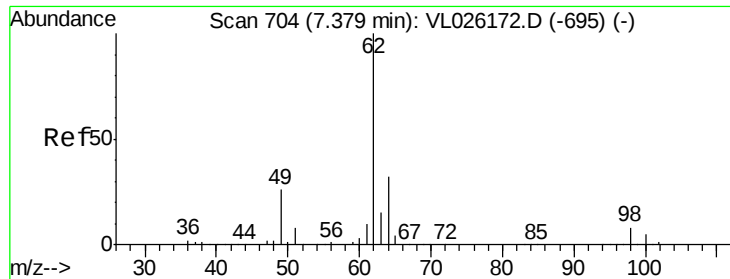
Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	78	Resp:	515317
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.2	27.4
50	17.0	13.4	20.2





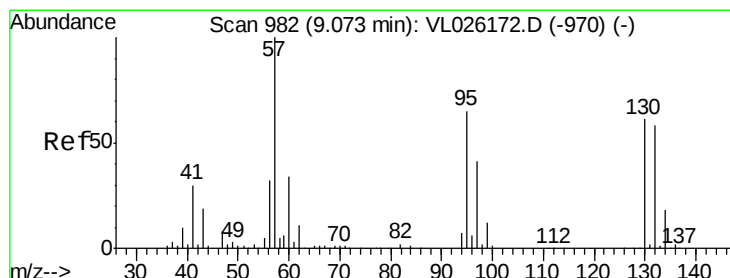
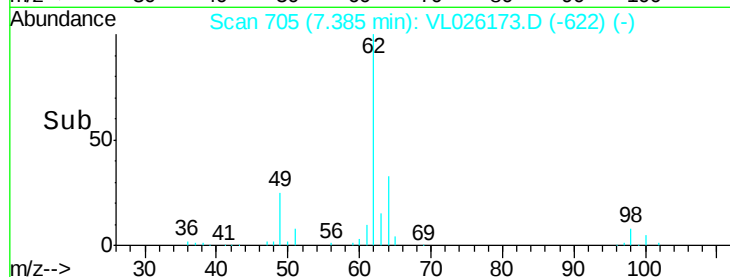
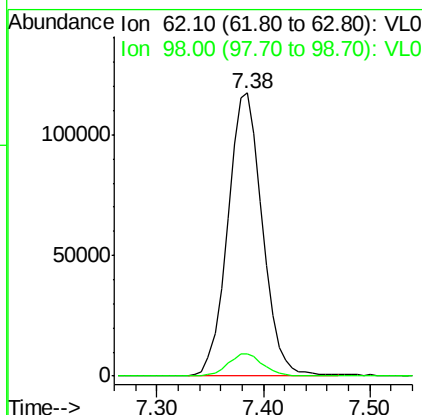
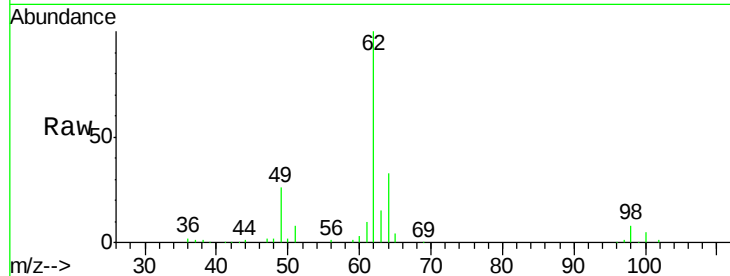
#37
 1,2-Dichloroethane
 Concen: 2.00 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	267559		
98	7.9		6.2	9.2

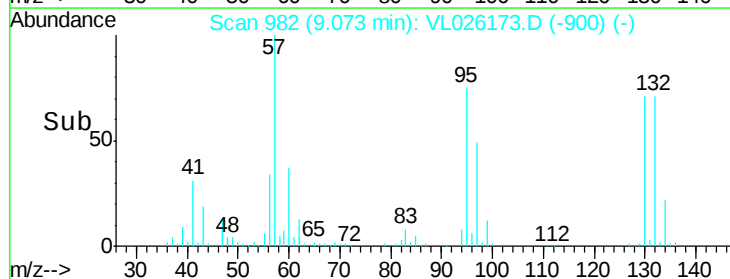
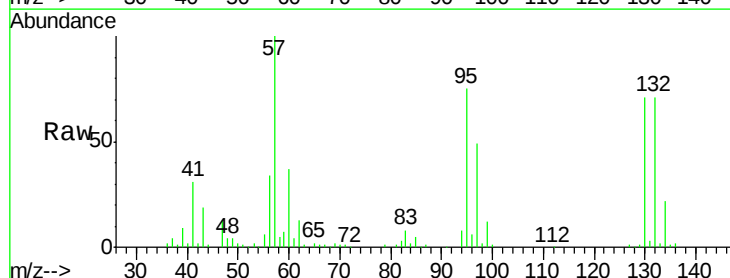
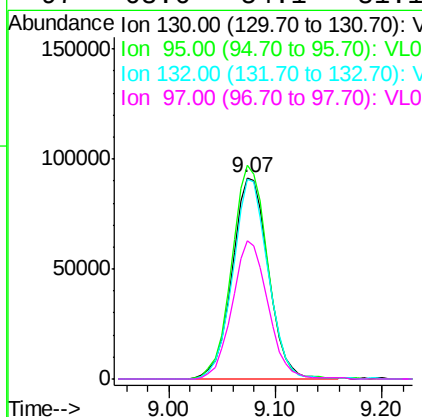
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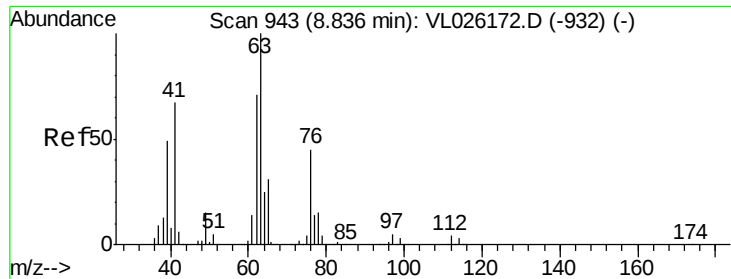
MMdadoda
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#38
 Trichloroethene
 Concen: 1.86 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	217614		
95	106.2		84.9	127.3
132	99.3		76.8	115.2
97	68.6		54.1	81.1





#39

1,2-Dichloropropane

Concen: 1.87 ppbv

RT: 8.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

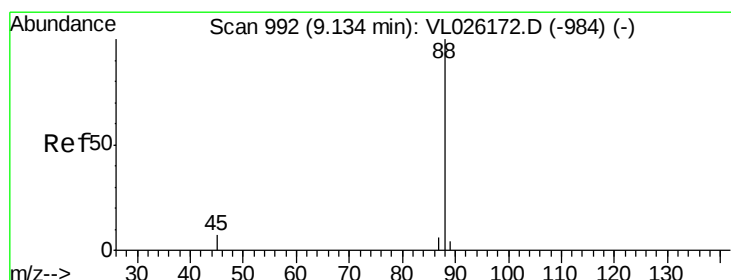
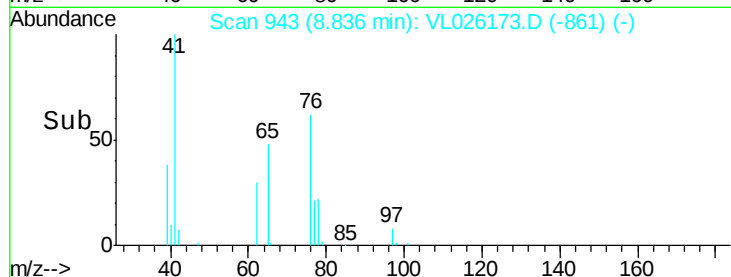
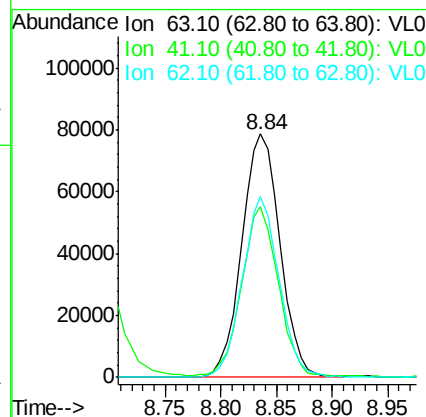
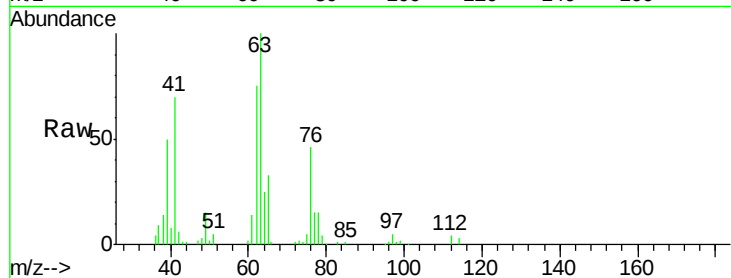
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	188053
Ion	Ratio	Lower	Upper
63	100		
41	69.4	53.9	80.9
62	74.6	57.1	85.7

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#40

1,4-Dioxane

Concen: 2.34 ppbv

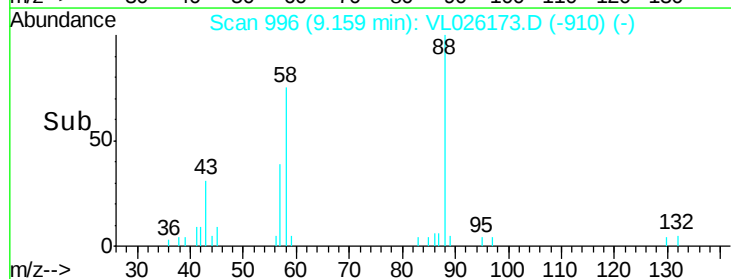
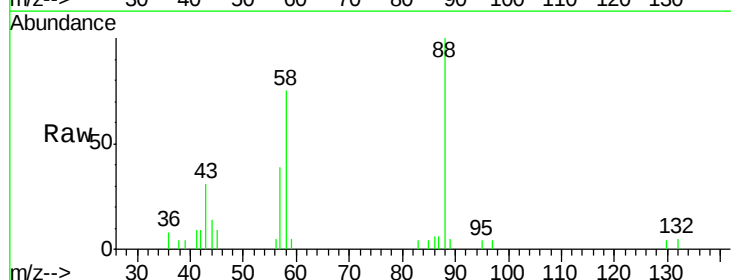
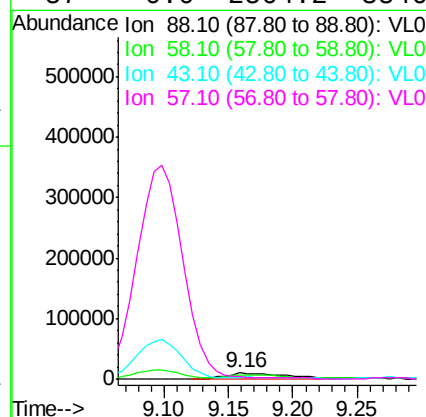
RT: 9.16 min Scan# 996

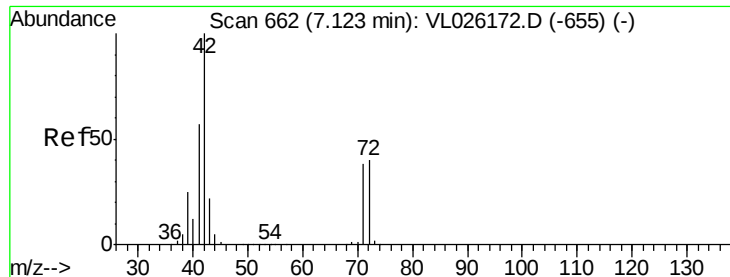
Delta R.T. 0.02 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	88	Resp:	34573
Ion	Ratio	Lower	Upper
88	100		
58	63.0	178.4	267.6#
43	0.0	510.2	765.4#
57	0.0	2564.2	3846.4#





#41

Tetrahydrofuran

Concen: 1.74 ppbv

RT: 7.15 min Scan# 667

Delta R.T. 0.03 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

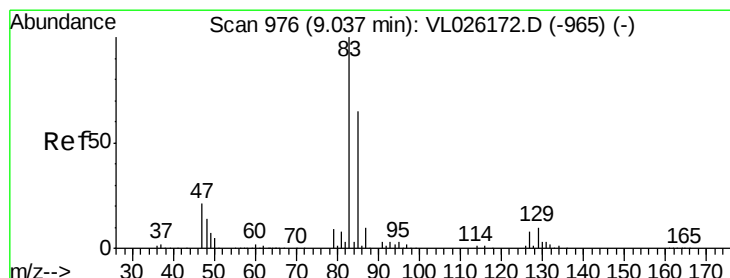
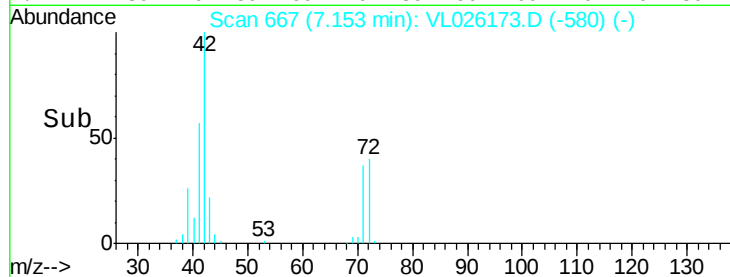
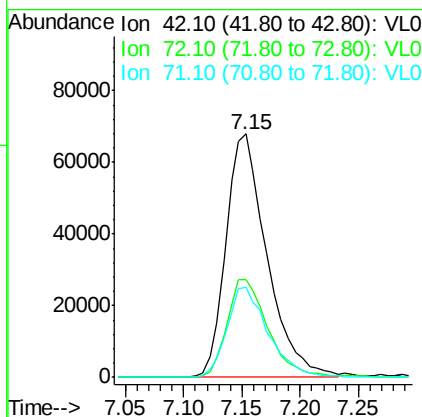
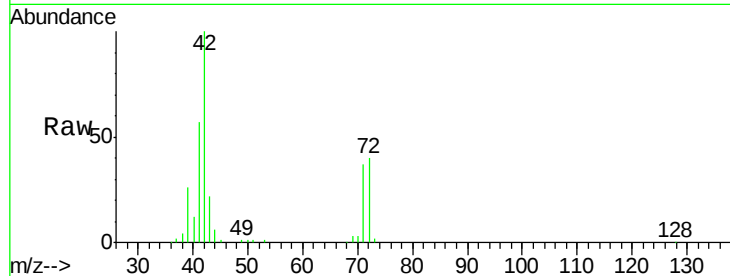
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	165992
Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.4	48.6
71	37.3	30.2	45.4

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#42

Bromodichloromethane

Concen: 2.06 ppbv

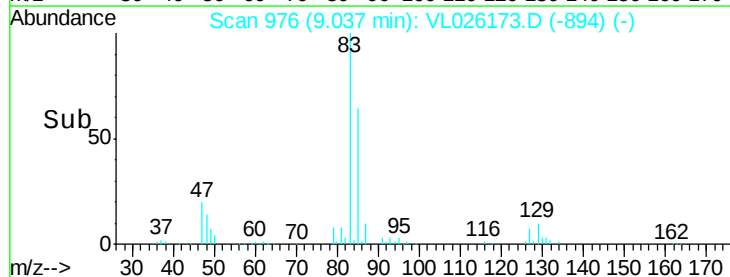
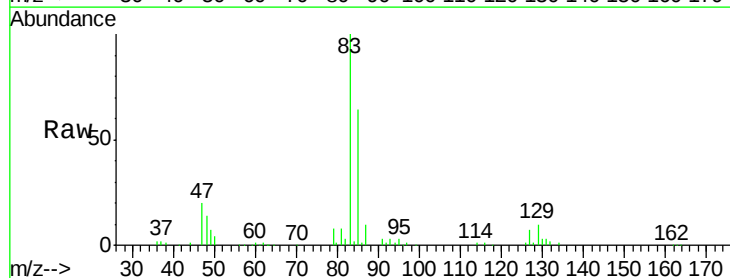
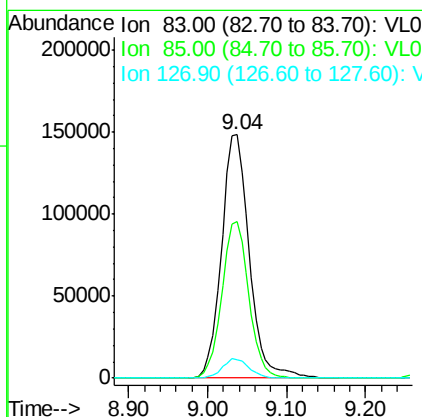
RT: 9.04 min Scan# 976

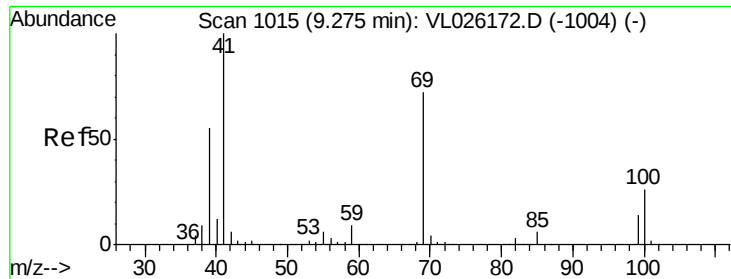
Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	83	Resp:	364274
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	7.4	6.2	9.4





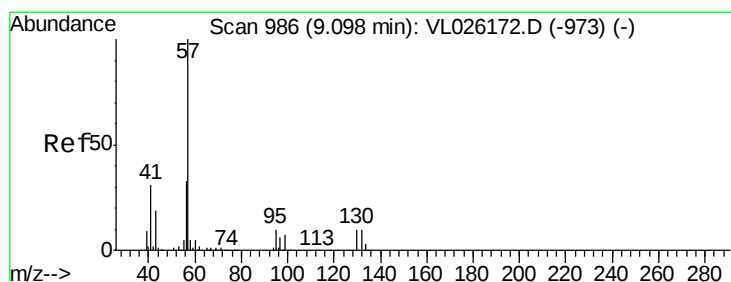
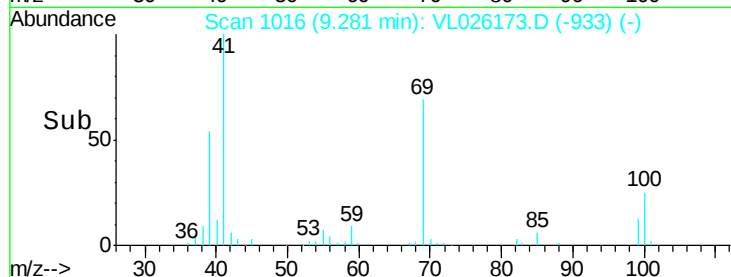
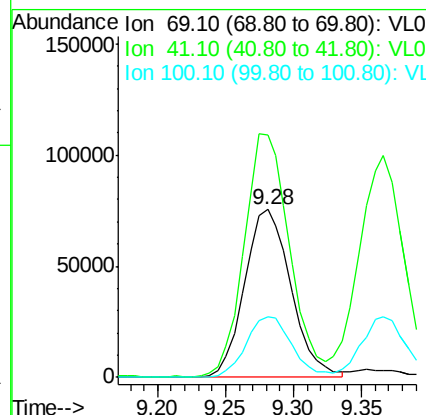
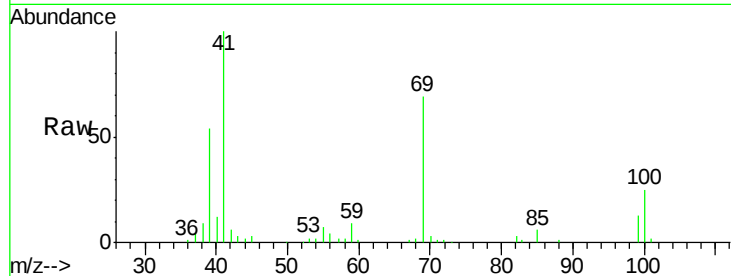
#43
Methvl Methacrilate
Concen: 1.89 ppbv
RT: 9.28 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
69	100	180538		
41	141.6	111.5	167.3	
100	35.5	28.4	42.6	

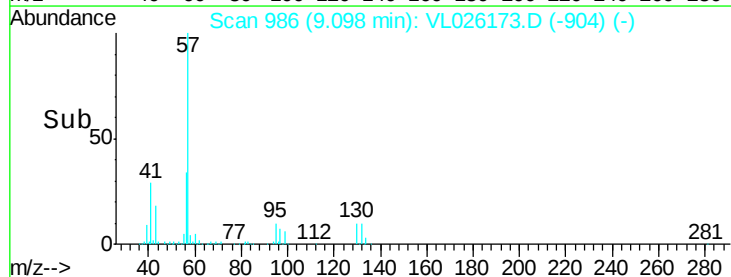
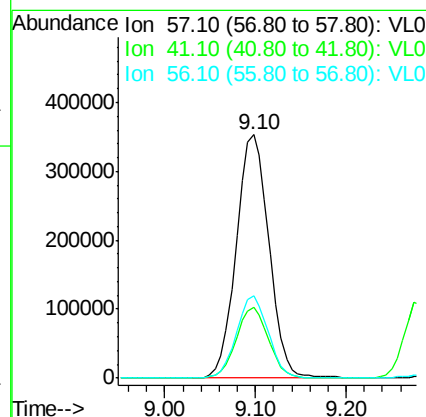
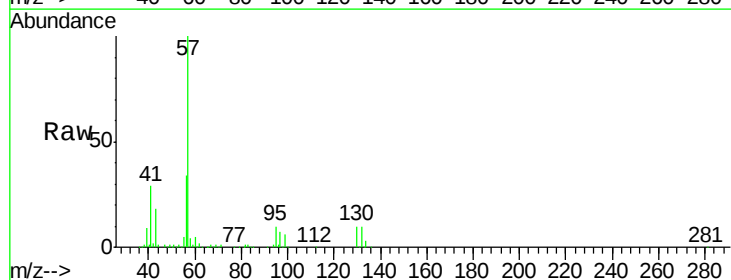
Manual Integrations
APPROVED

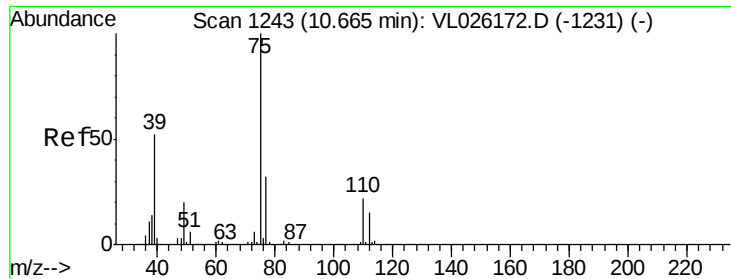
MMdadoda
10/12/2015 1:25:28 PM



#44
2,2,4-Trimethylpentane
Concen: 1.96 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	889722		
41	28.9	23.7	35.5	
56	32.7	26.4	39.6	





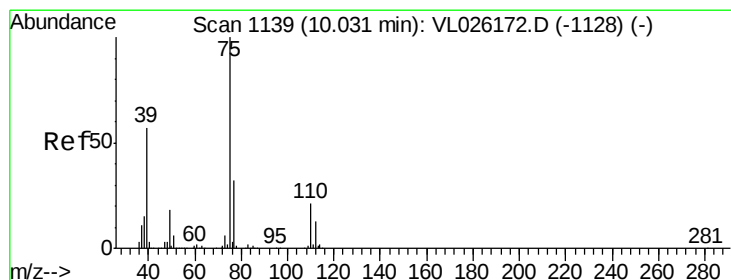
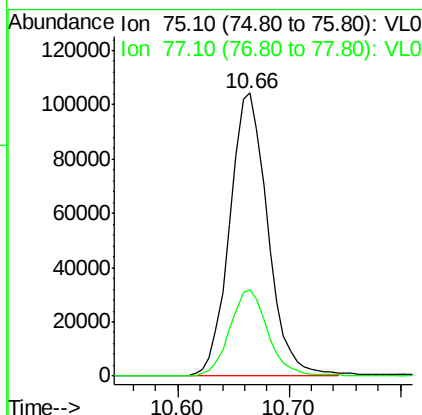
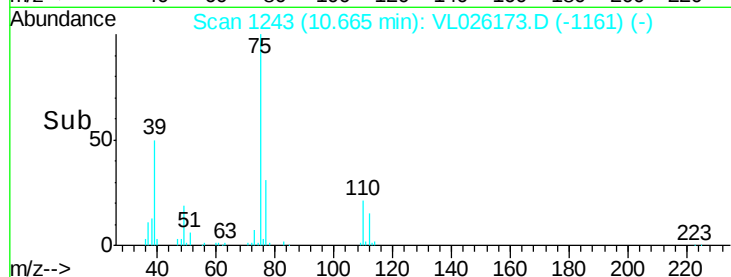
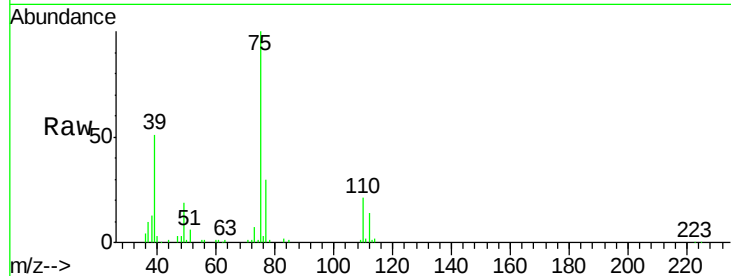
#45
t-1,3-Dichloropropene
Concen: 1.99 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.5	38.3

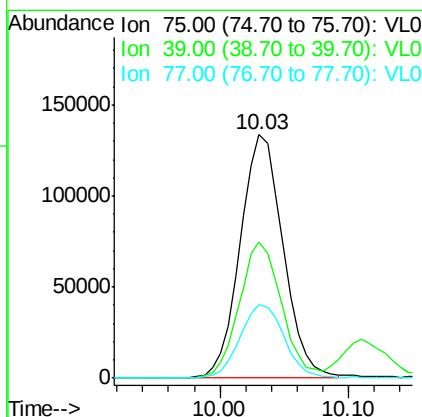
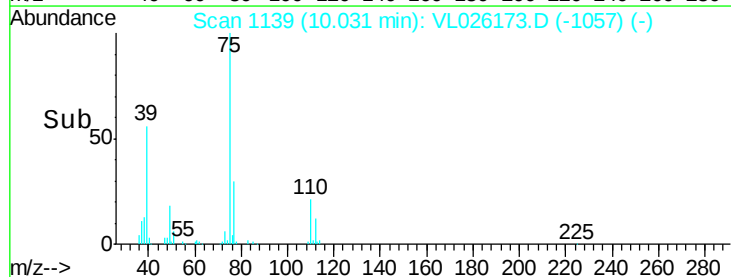
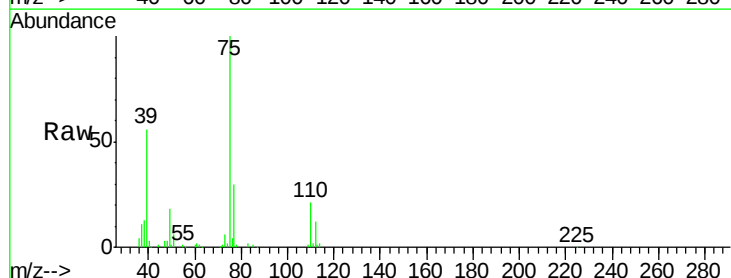
Manual Integrations
APPROVED

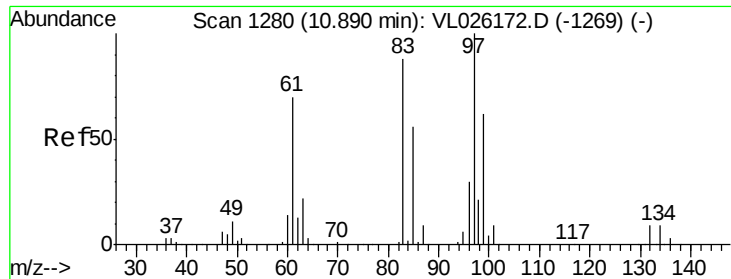
MMdadoda
10/12/2015 1:25:28 PM



#46
cis-1,3-Dichloropropene
Concen: 1.99 ppbv
RT: 10.03 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
39	56.1	45.4	68.2
77	29.9	25.4	38.2





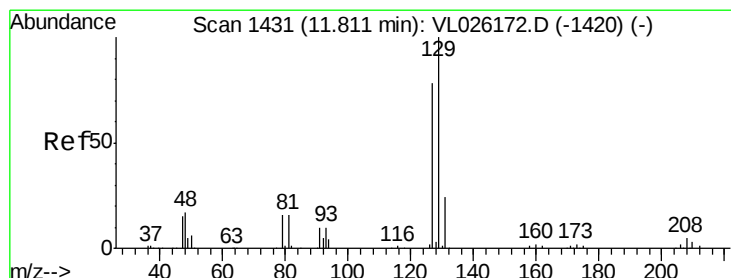
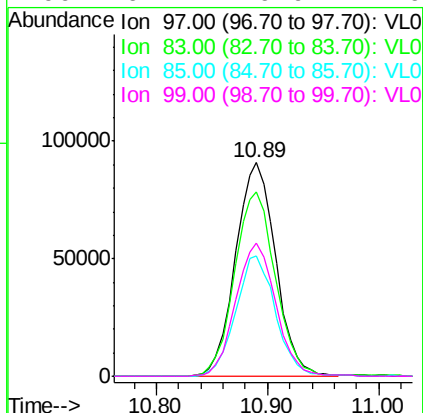
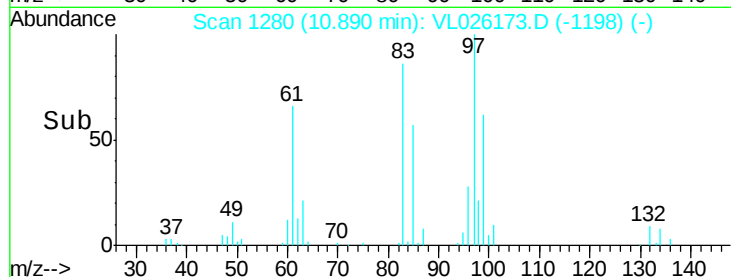
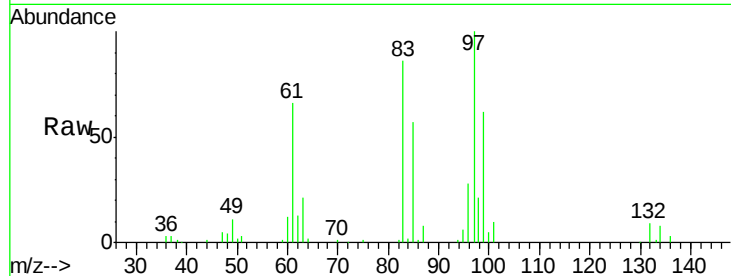
#47
 1,1,2-Trichloroethane
 Concen: 1.99 ppbv
 RT: 10.89 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.6	106.0
85	56.6	45.1	67.7
99	62.2	49.9	74.9

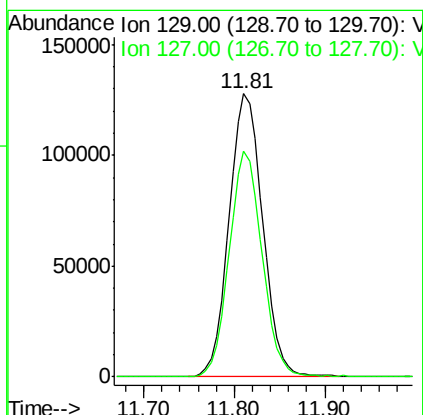
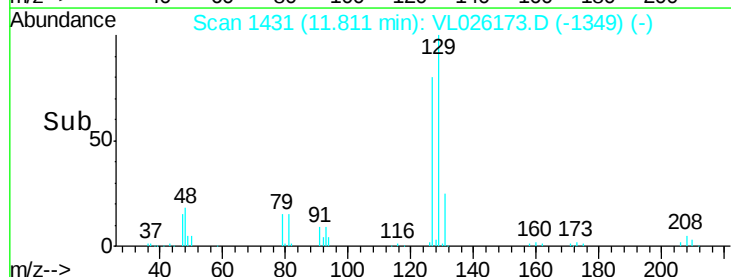
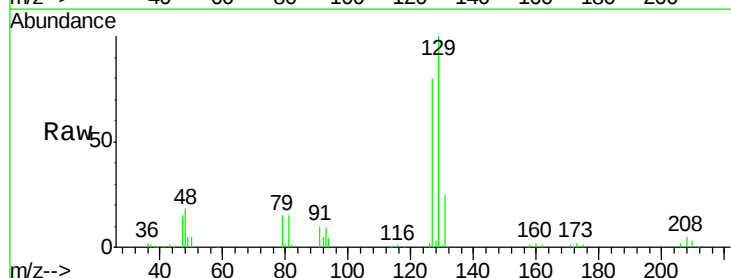
Manual Integrations
 APPROVED

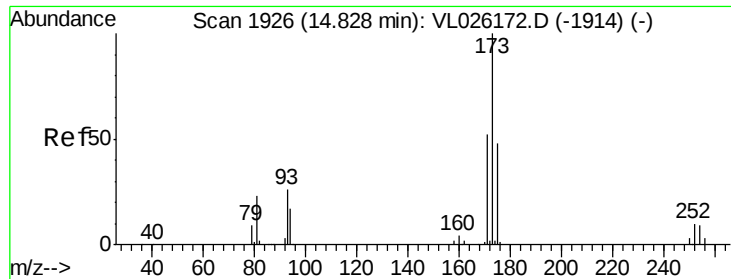
MMdadoda
 10/12/2015 1:25:28 PM



#48
 Dibromochloromethane
 Concen: 2.13 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.0	117.0





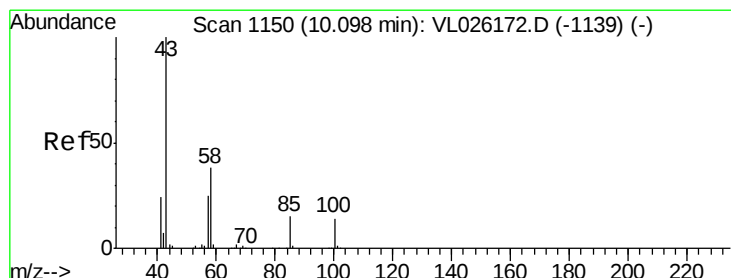
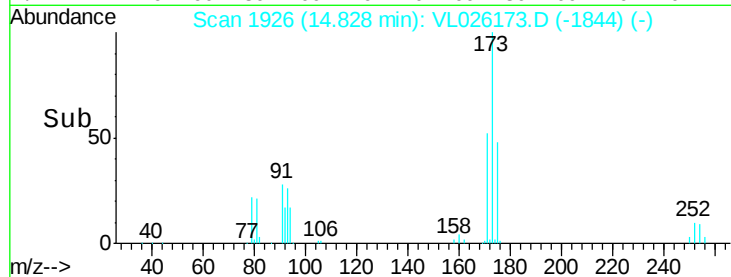
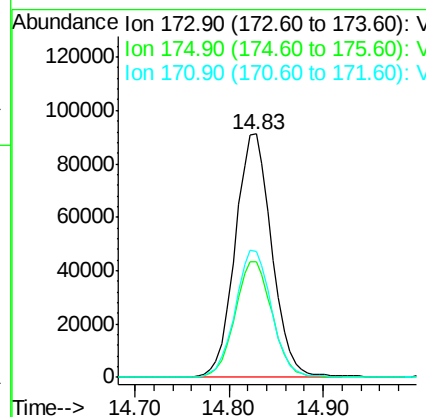
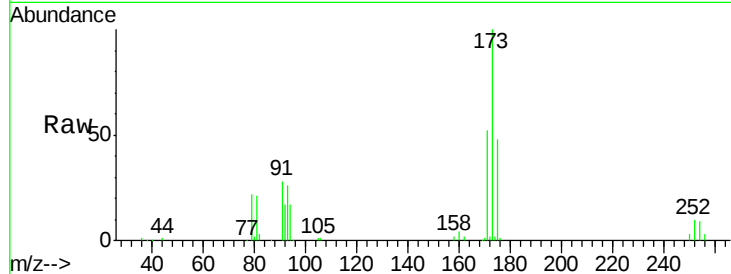
#49
Bromoform
Concen: 2.16 ppbv
RT: 14.83 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.2	39.0	58.6	
171	51.8	41.9	62.9	

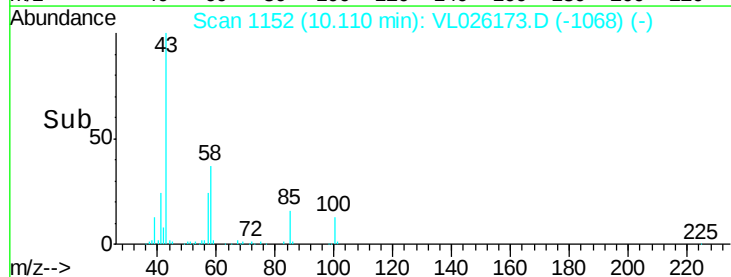
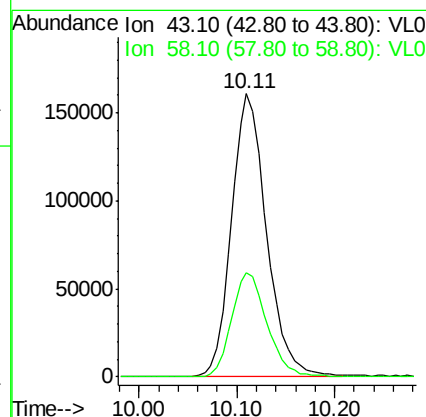
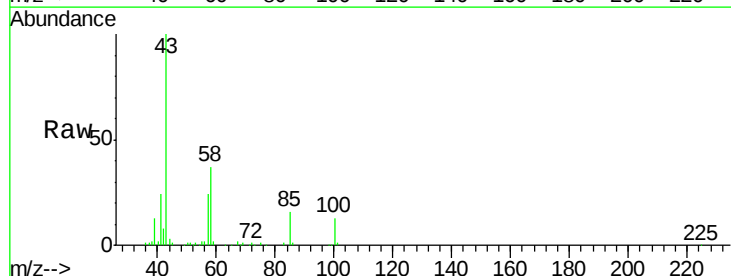
Manual Integrations
APPROVED

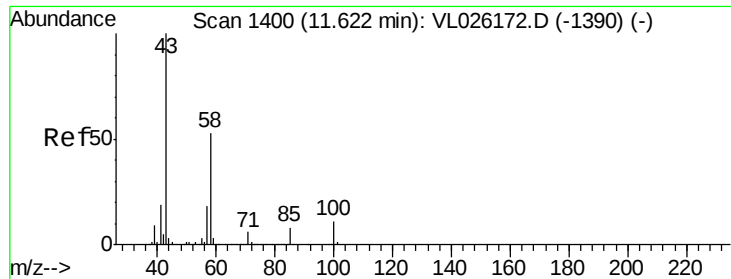
MMdadoda
10/12/2015 1:25:28 PM



#50
4-Methyl-2-Pentanone
Concen: 1.83 ppbv
RT: 10.11 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	37.2	30.4	45.6	





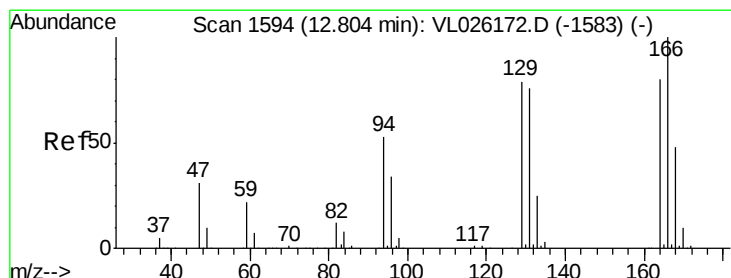
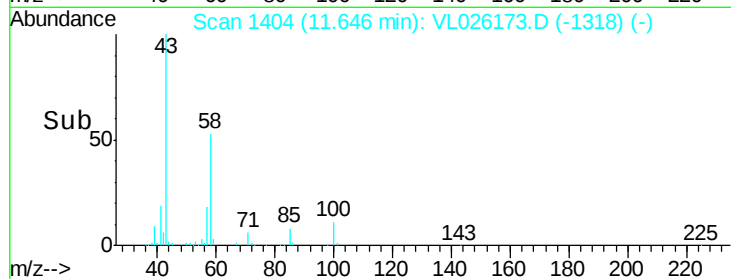
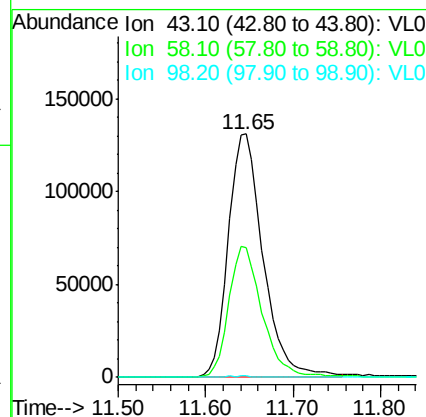
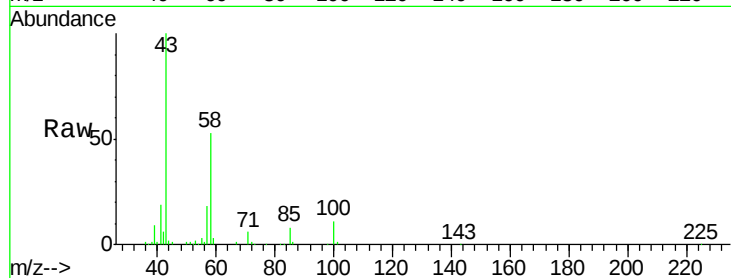
#51
2-Hexanone
Concen: 1.82 ppbv
RT: 11.65 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	42.2	63.4
98	0.5	0.2	0.2#

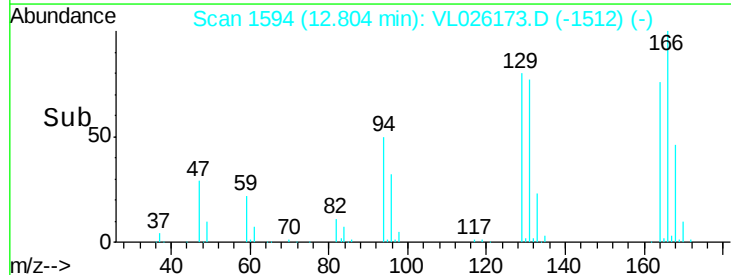
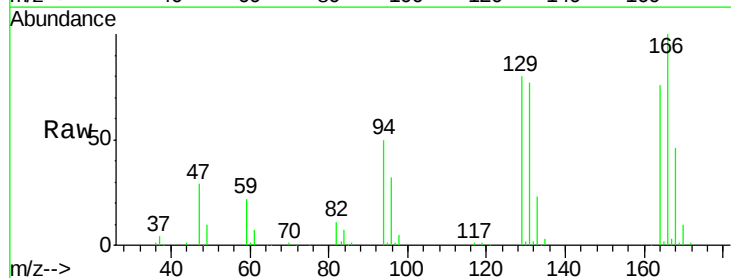
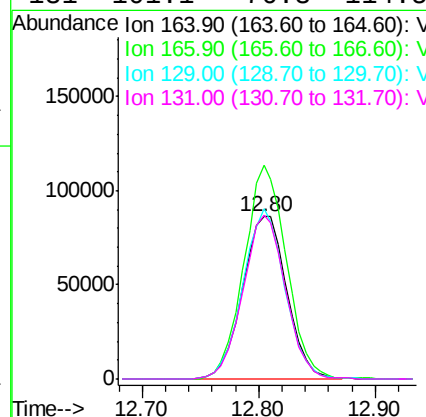
Manual Integrations
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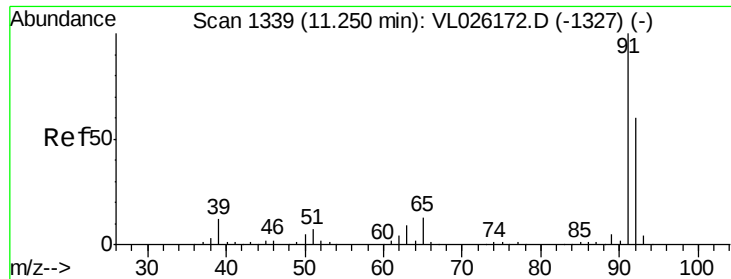
MMdadoda
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#52
Tetrachloroethene
Concen: 1.87 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	99.9	149.9
129	104.6	79.1	118.7
131	101.1	76.3	114.5





#53

Toluene

Concen: 2.00 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 677087

Ion Ratio Lower Upper

91 100

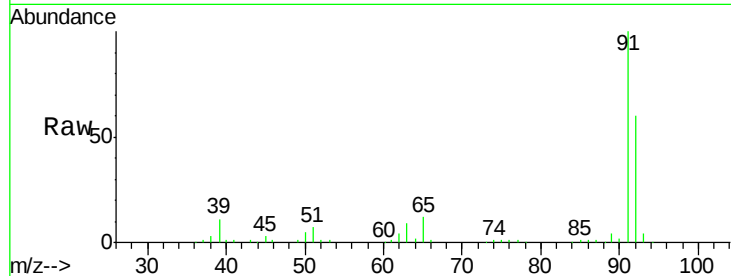
92 59.9 48.5 72.7

Manual Integrations

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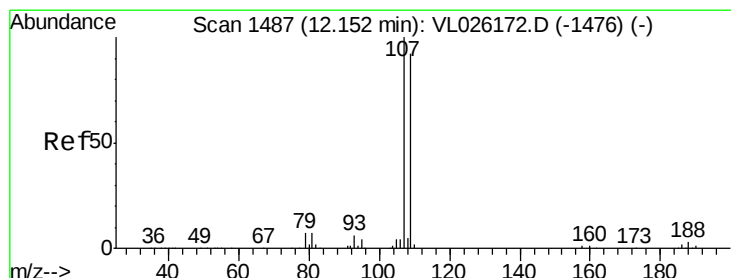
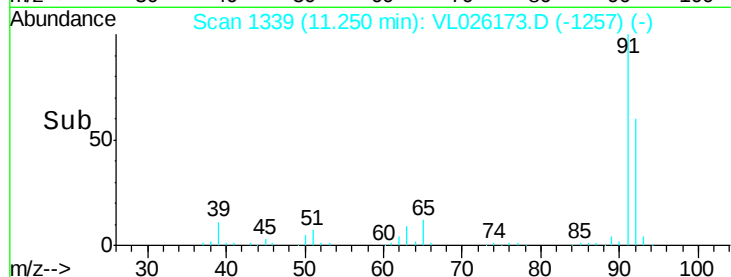
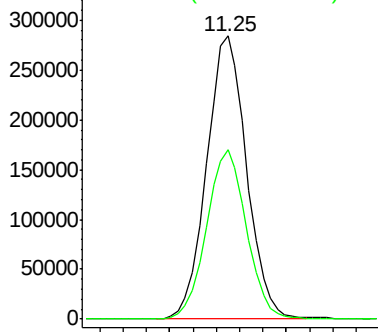
MMdadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.01 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VL026173.D

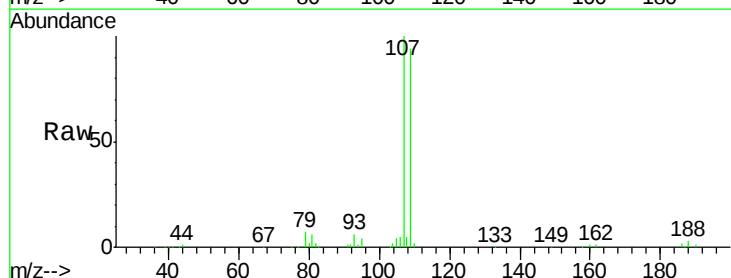
Acq: 9 Oct 2015 11:40

Tgt Ion: 107 Resp: 342876

Ion Ratio Lower Upper

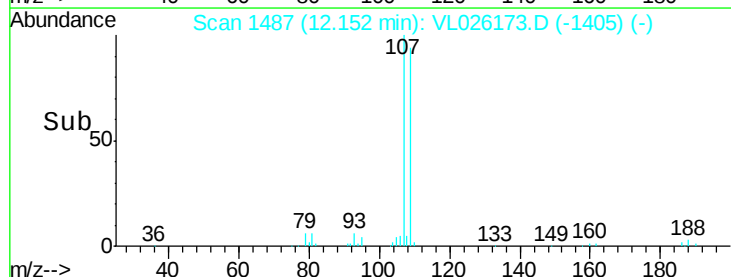
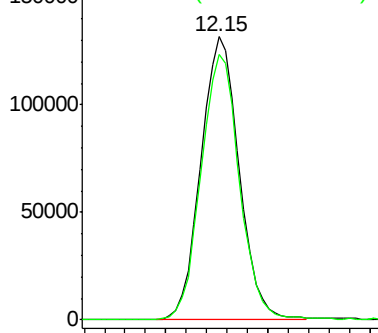
107 100

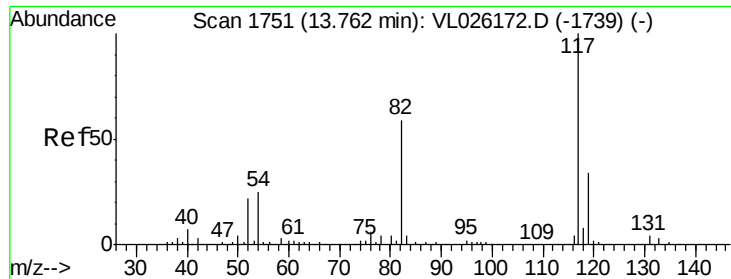
109 93.8 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





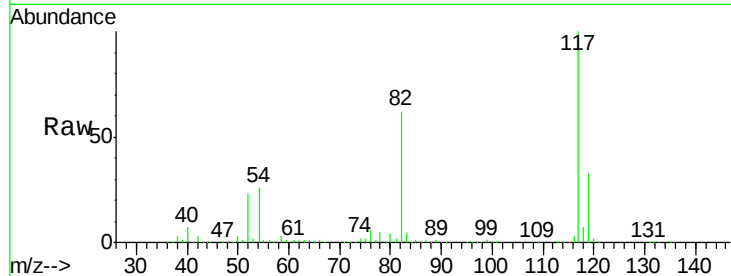
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

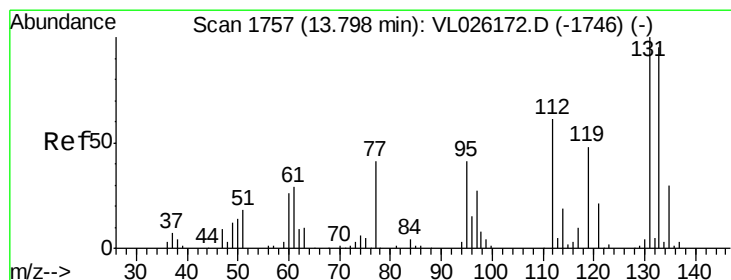
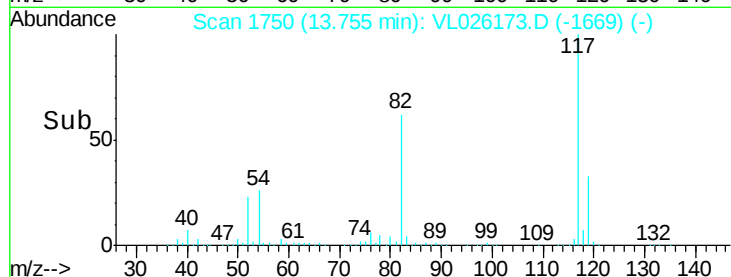
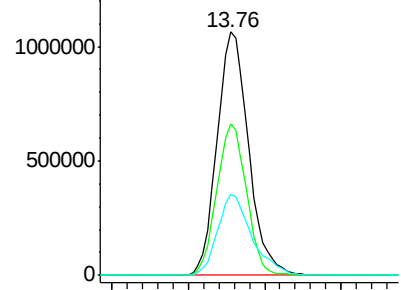
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.7	71.5
119	36.1	43.7	65.5

Manual Integrations
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MMdadoda
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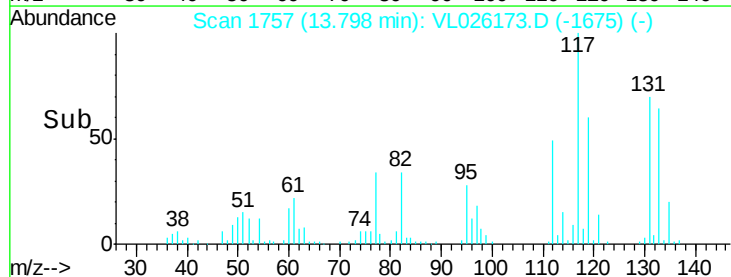
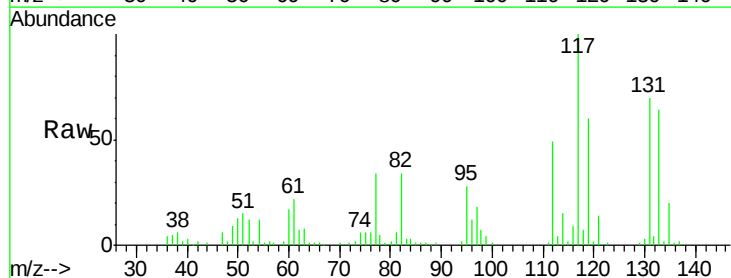
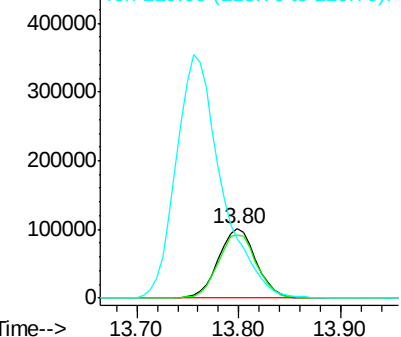
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

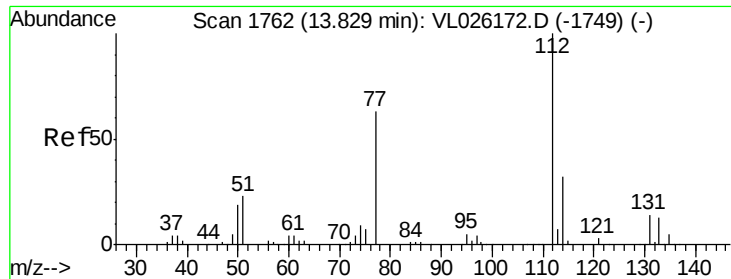


#56
1,1,1,2-Tetrachloroethane
Concen: 2.05 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	76.5	114.7
119	426.0	116.0	174.0

Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





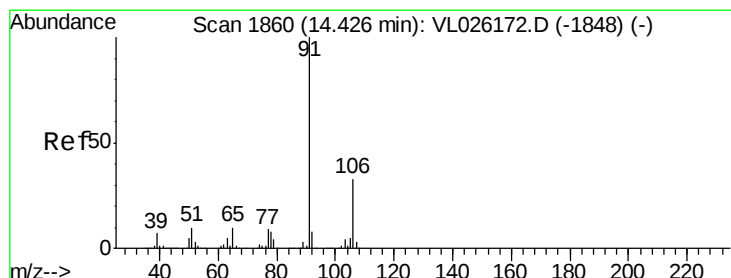
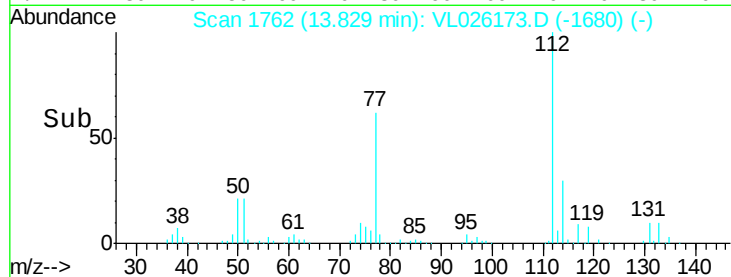
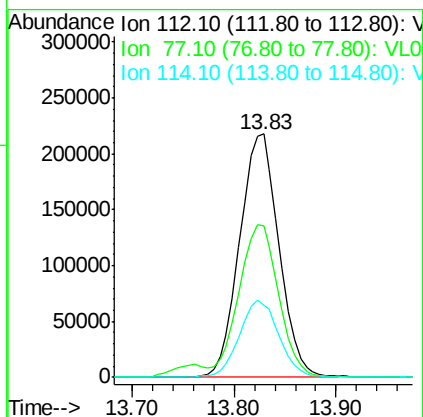
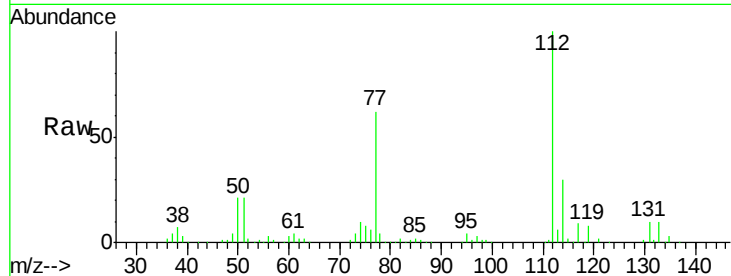
#57
Chlorobenzene
Concen: 1.94 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.7	51.0	76.4
114	29.5	29.0	35.4

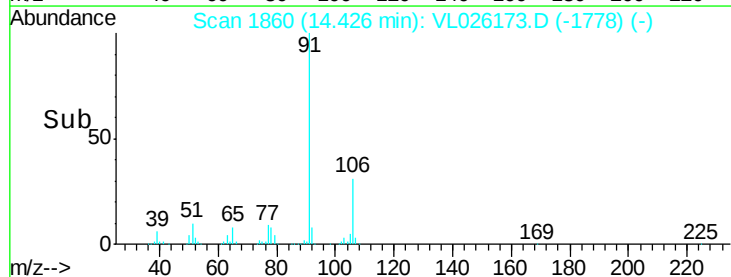
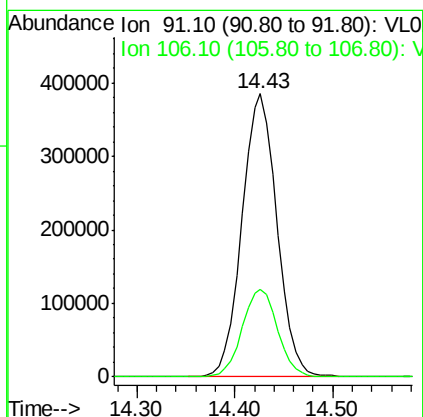
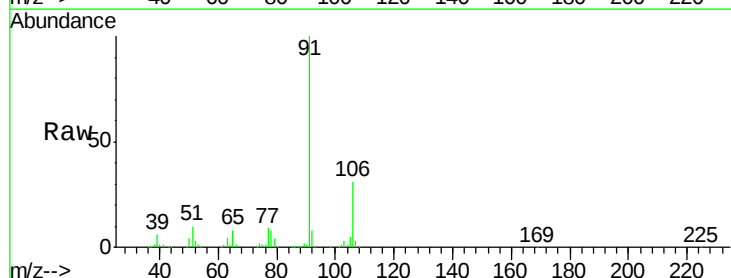
Manual Integrations
APPROVED

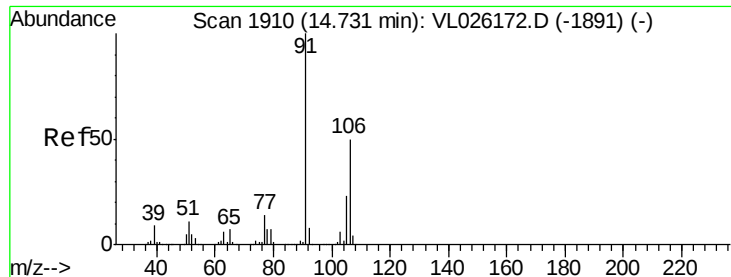
MMdadoda
10/12/2015 1:25:28 PM



#58
Ethyl Benzene
Concen: 1.89 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	26.1	39.1





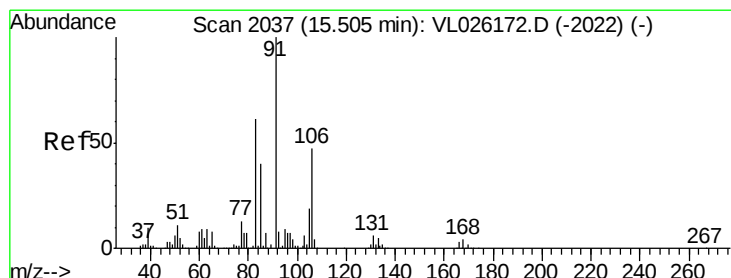
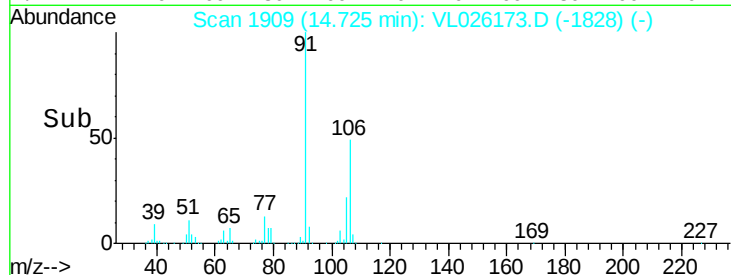
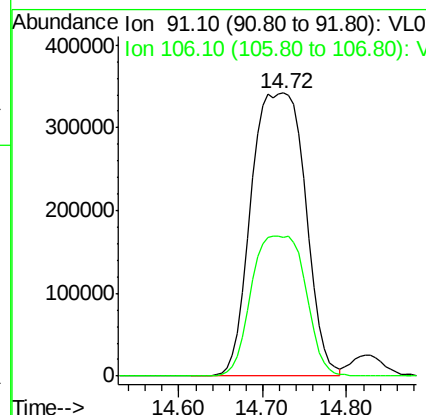
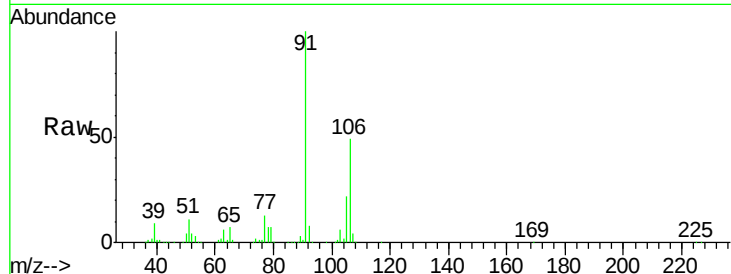
#59
m/p-Xylene
Concen: 3.85 ppbv m
RT: 14.72 min Scan# 1909
Delta R.T. -0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1531151
Ion Ratio Lower Upper
91 100
106 49.6 40.2 60.4

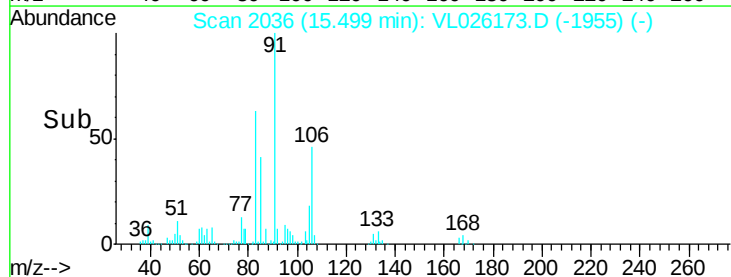
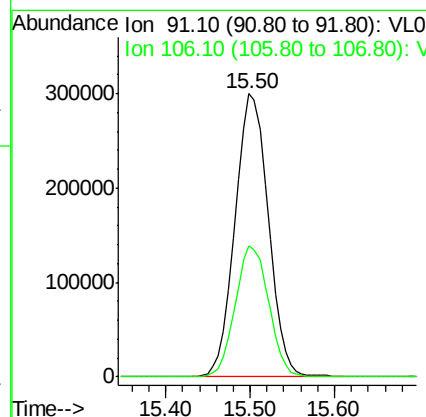
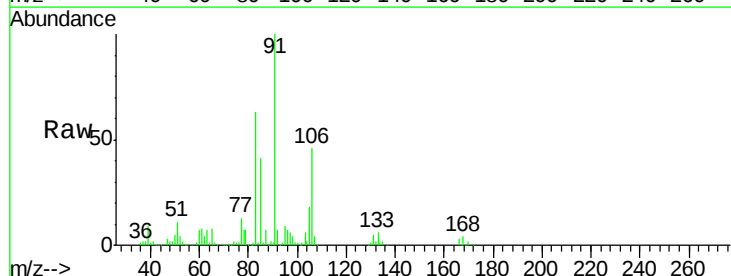
Manual Integrations
APPROVED

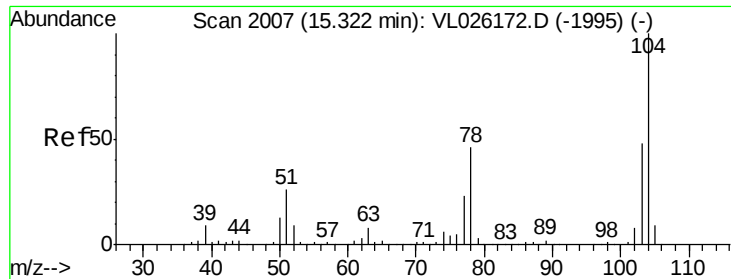
MMdadoda
10/12/2015 1:25:28 PM



#60
o-Xylene
Concen: 1.95 ppbv
RT: 15.50 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion: 91 Resp: 805056
Ion Ratio Lower Upper
91 100
106 46.5 23.4 70.3





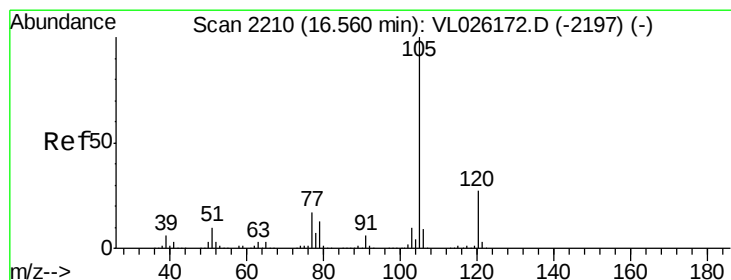
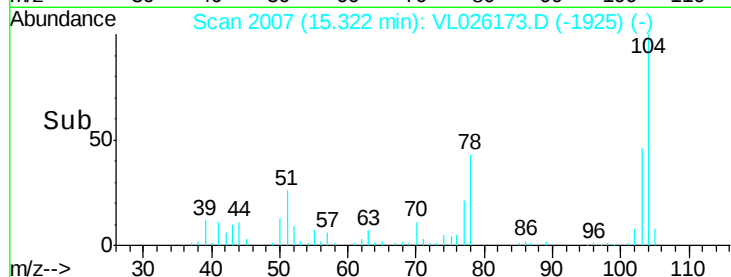
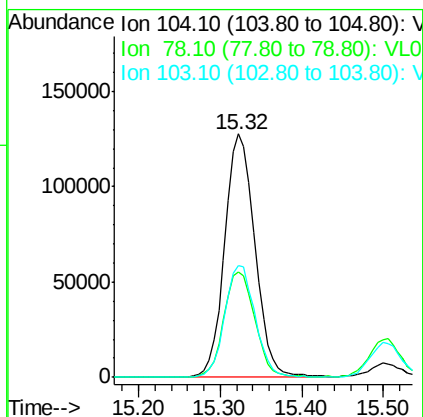
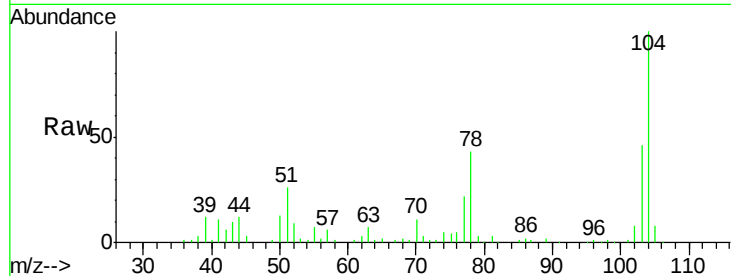
#61
Stvrene
Concen: 1.85 ppbv
RT: 15.32 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
104	100	327368		
78	44.7		36.1	54.1
103	46.4		37.5	56.3

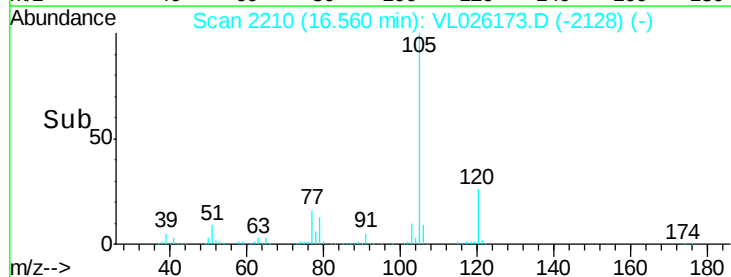
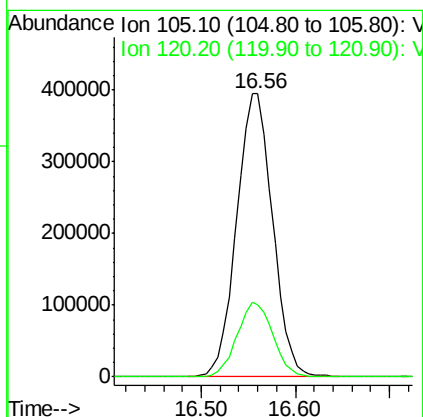
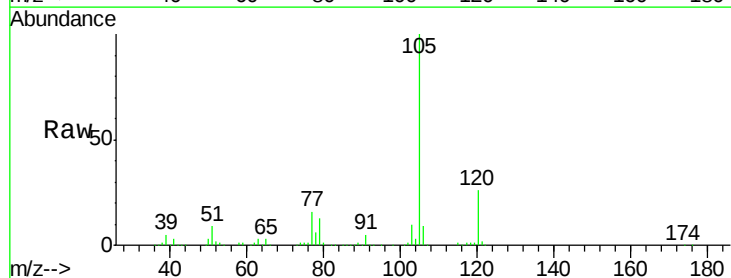
Manual Integrations
APPROVED

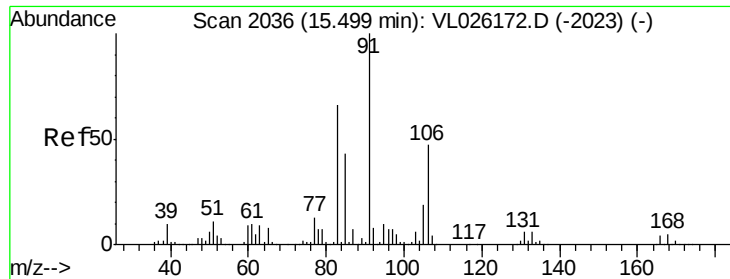
MMdadoda
10/12/2015 1:25:28 PM



#62
Isopropylbenzene
Concen: 1.93 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1048271		
120	26.3		21.8	32.6





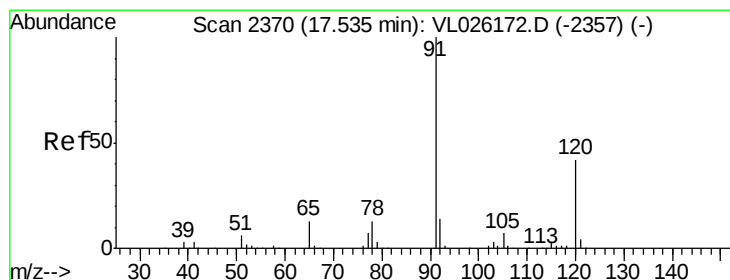
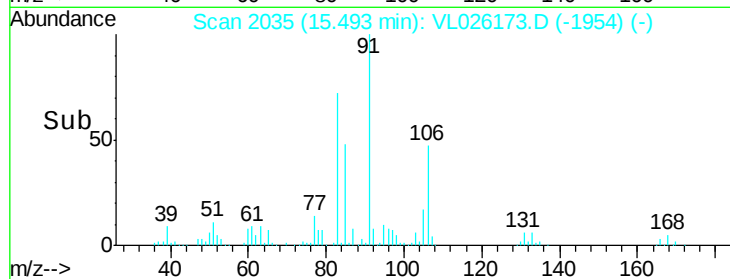
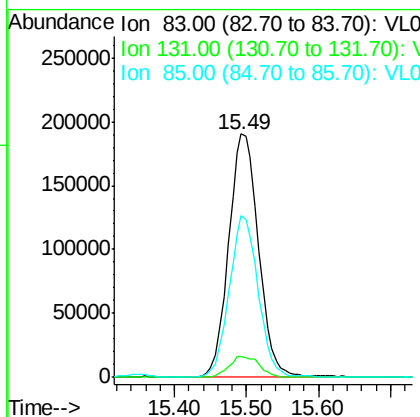
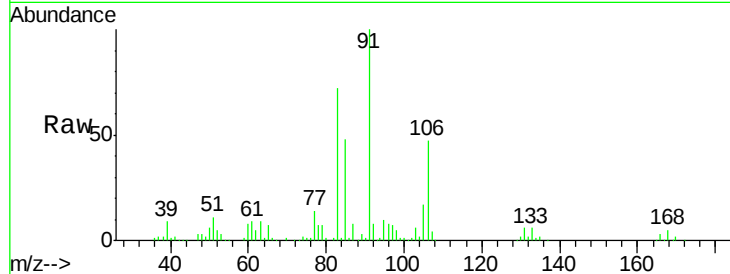
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.74 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	550765		
131	8.8	4.5	13.7	
85	64.6	32.6	97.7	

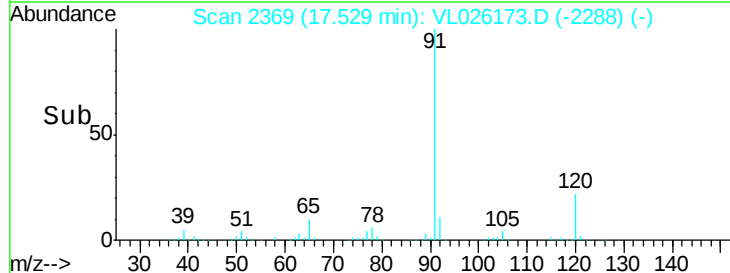
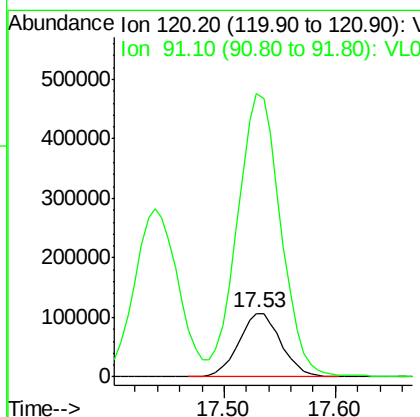
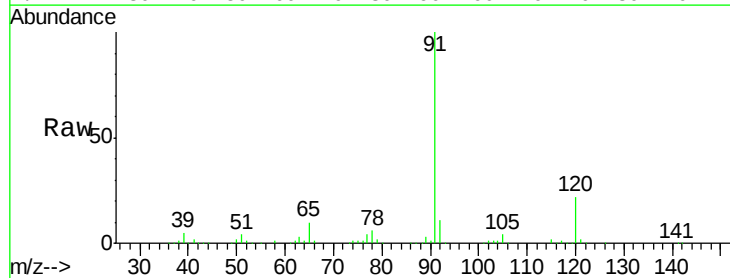
Manual Integrations
 APPROVED

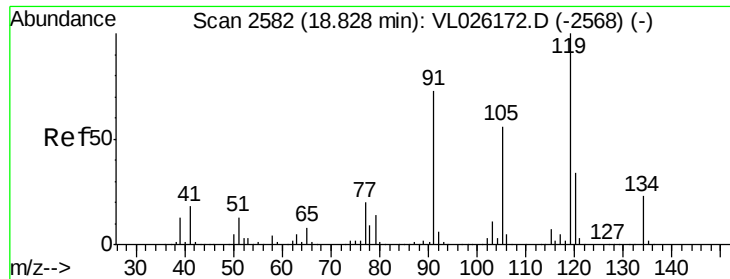
MMdadoda
 10/12/2015 1:25:28 PM



#64
 n-propylbenzene
 Concen: 1.95 ppbv
 RT: 17.53 min Scan# 2369
 Delta R.T. -0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	282390		
91	454.4	353.4	530.2	





#65

tert-Butylbenzene

Concen: 1.99 ppbv

RT: 18.82 min Scan# 2581

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

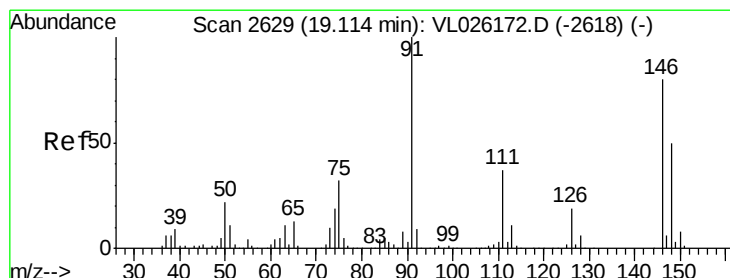
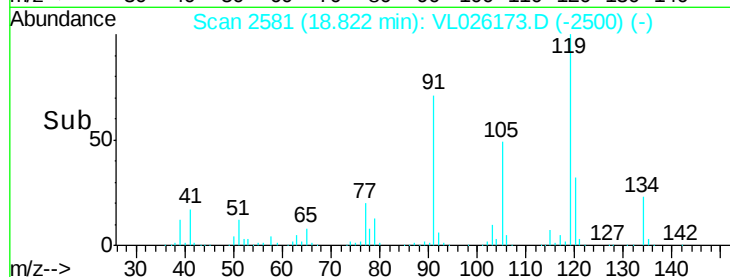
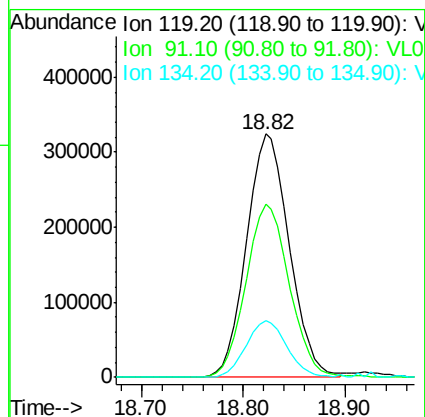
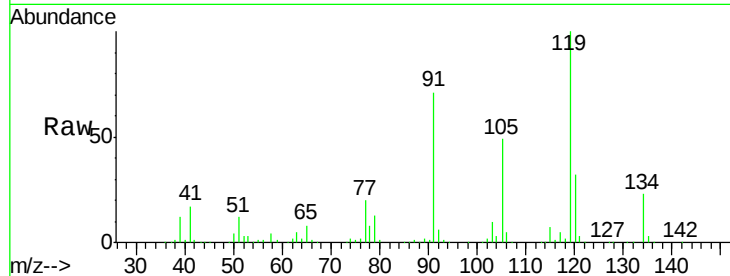
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	944505
Ion Ratio	Lower	Upper	
119	100		
91	72.5	58.5	87.7
134	22.2	18.0	27.0

Manual Integrations
APPROVED

MMdadoda
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#66

Benzyl Chloride

Concen: 2.03 ppbv

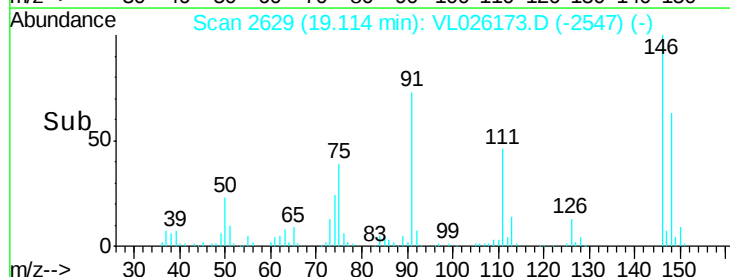
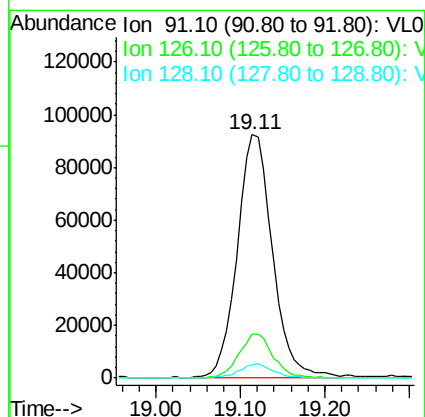
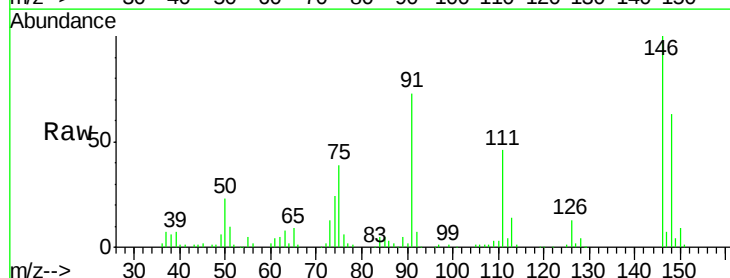
RT: 19.11 min Scan# 2629

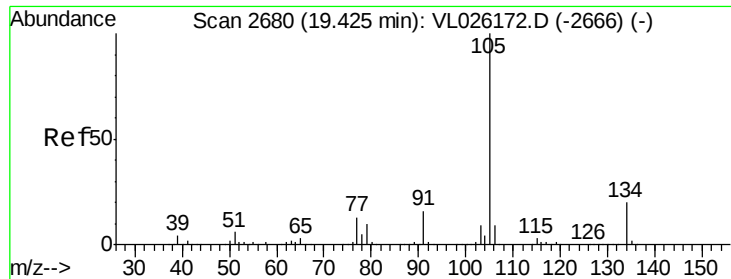
Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	91	Resp:	262388
Ion Ratio	Lower	Upper	
91	100		
126	17.4	15.2	22.8
128	5.6	4.8	7.2





#67

sec-Butylbenzene

Concen: 1.97 ppbv

RT: 19.42 min Scan# 2679

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1322404

Ion Ratio Lower Upper

105 100

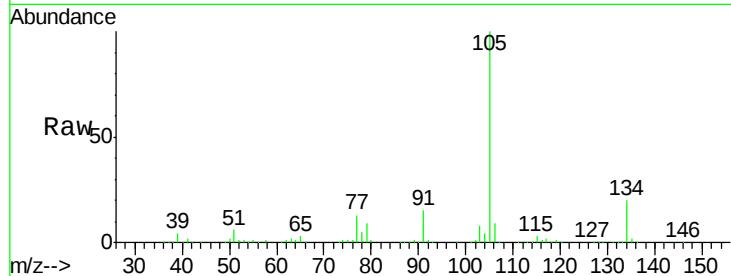
134 19.4 15.9 23.9

Manual Integrations

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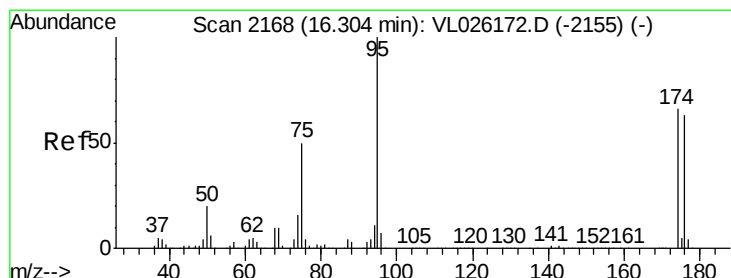
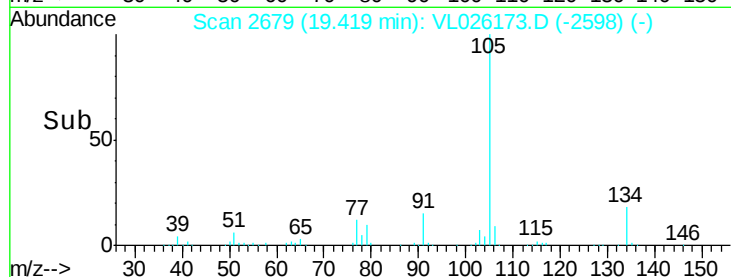
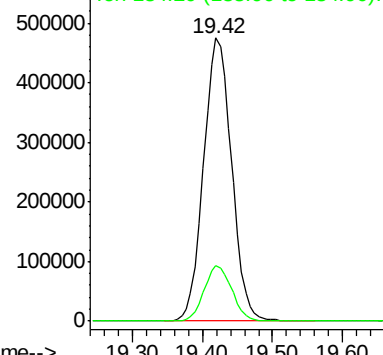
MMdadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.15 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

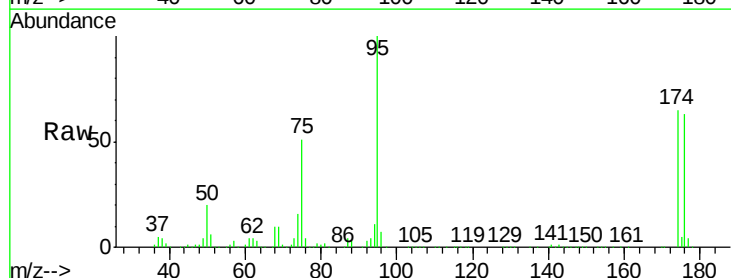
Tgt Ion: 95 Resp: 2282136

Ion Ratio Lower Upper

95 100

174 65.6 52.2 78.4

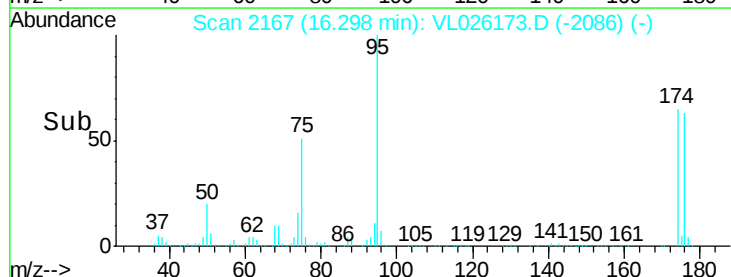
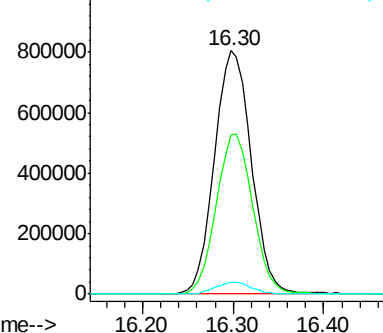
175 4.8 3.9 5.9

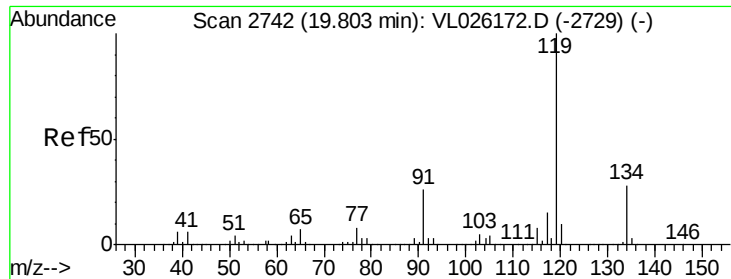


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





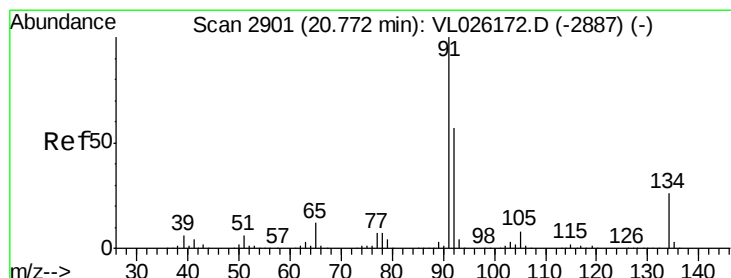
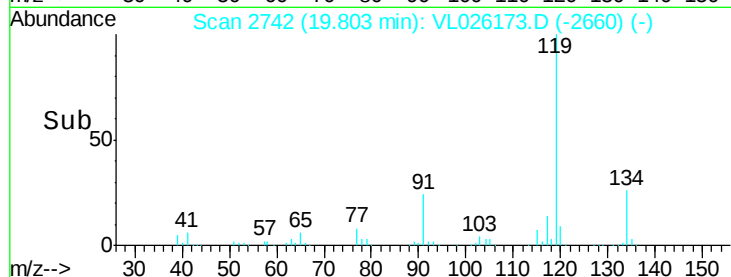
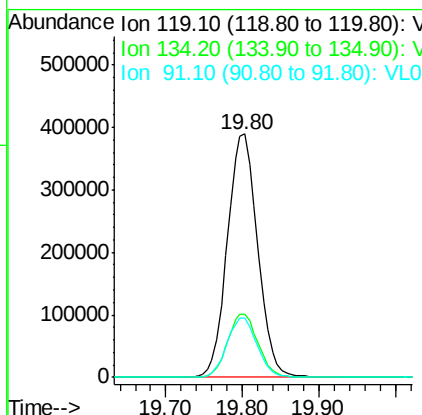
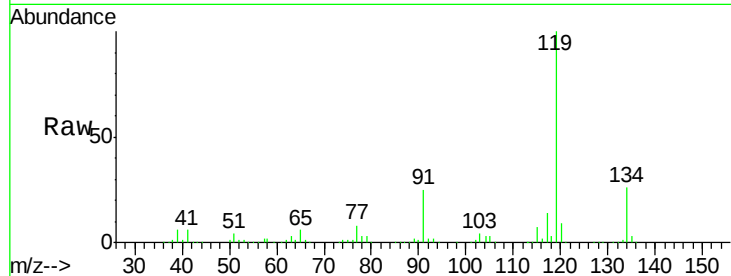
#69
 p-Isopropyltoluene
 Concen: 1.97 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.4	32.0
91	24.6	19.9	29.9

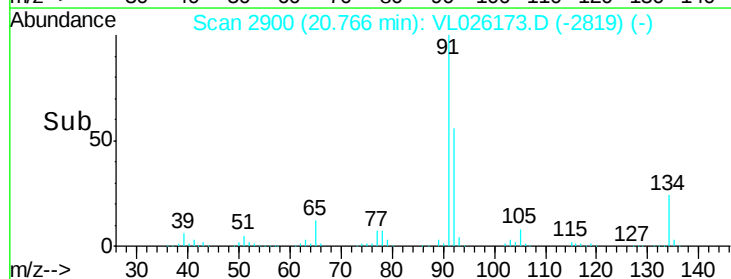
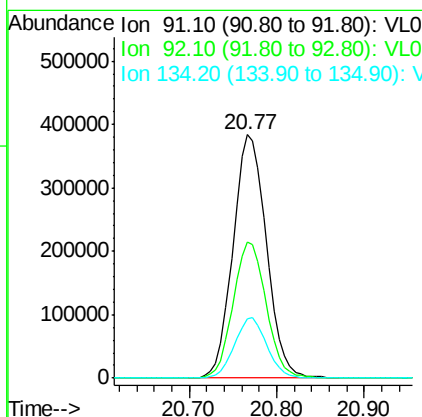
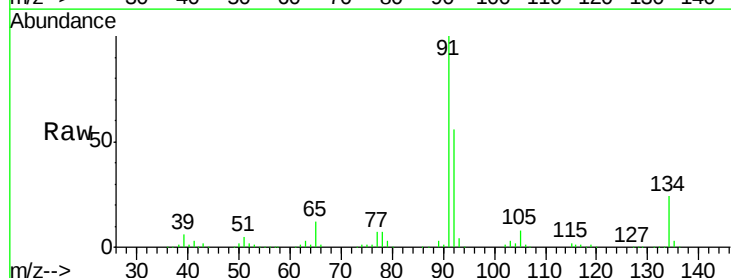
Manual Integrations
 APPROVED

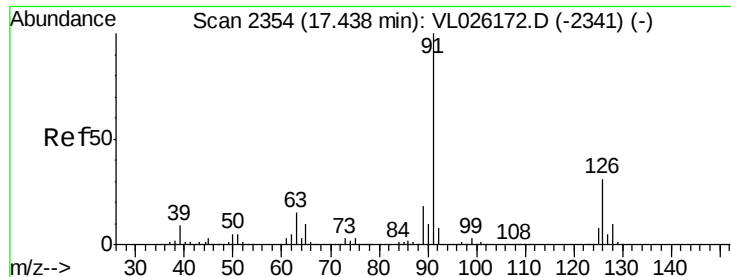
MMdadoda
 10/12/2015 1:25:28 PM



#70
 n-Butylbenzene
 Concen: 1.88 ppbv
 RT: 20.77 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	45.0	67.6
134	24.3	19.8	29.8





#71

2-Chlorotoluene

Concen: 1.89 ppbv

RT: 17.44 min Scan# 2354

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 780227

Ion Ratio Lower Upper

91 100

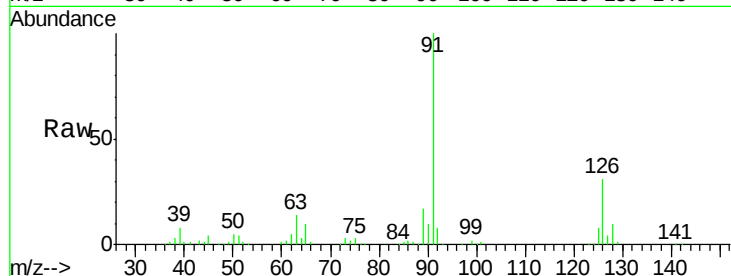
126 31.5 12.8 51.2

Manual Integrations

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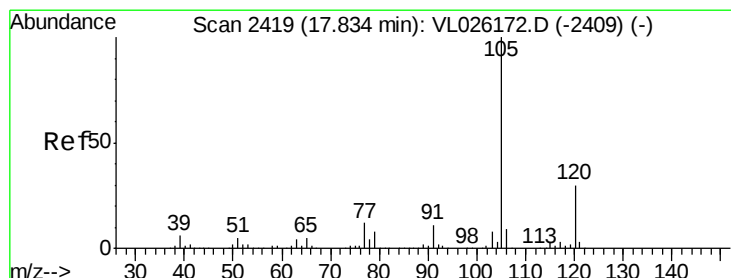
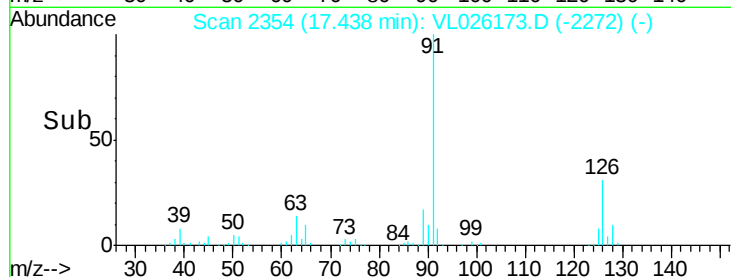
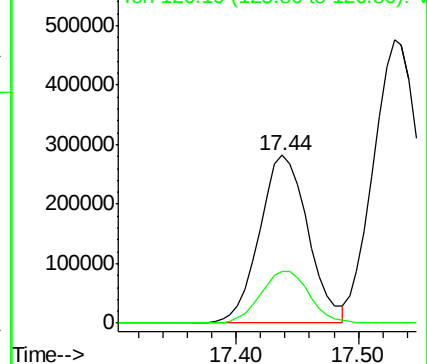
MMdadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.93 ppbv

RT: 17.83 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion: 105 Resp: 868132

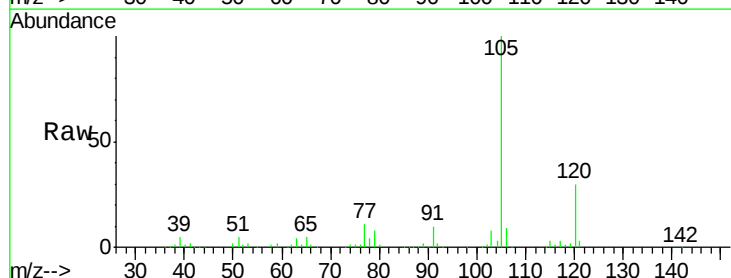
Ion Ratio Lower Upper

105 100

120 30.7 24.7 37.1

91 11.8 9.2 13.8

77 11.8 9.8 14.8

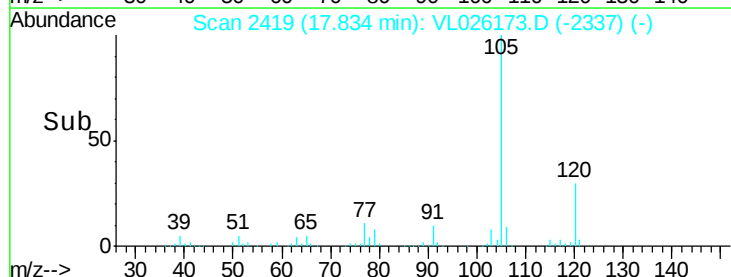
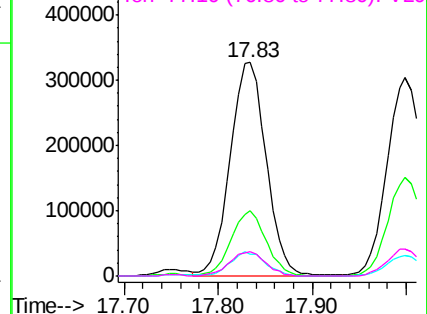


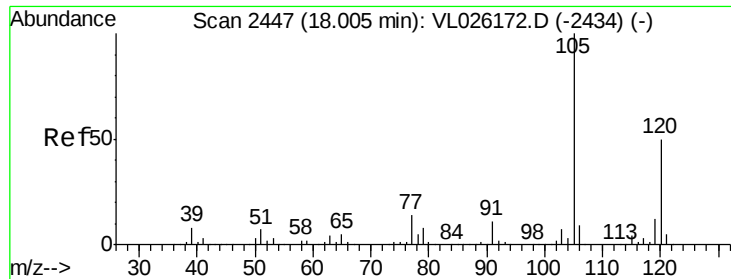
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.93 ppbv

RT: 18.00 min Scan# 2446

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 807703

Ion Ratio Lower Upper

105 100

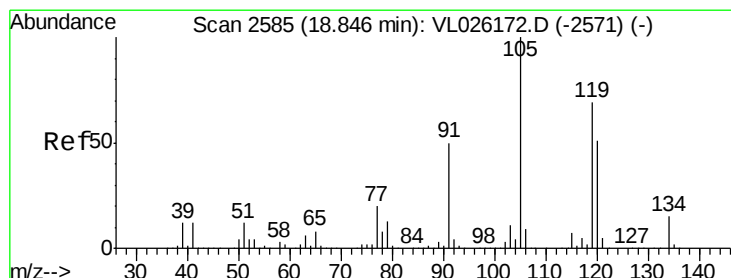
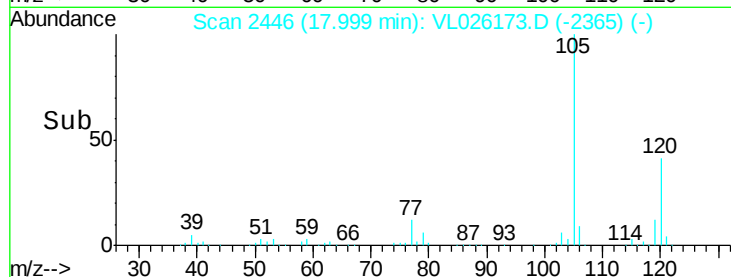
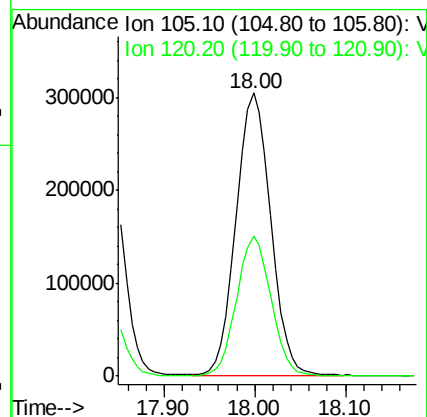
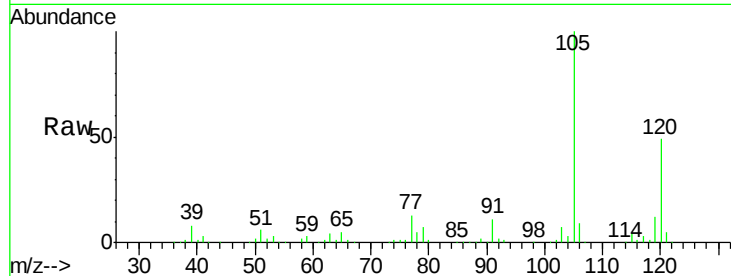
120 49.5 40.1 60.1

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 1.94 ppbv

RT: 18.84 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:105 Resp: 850704

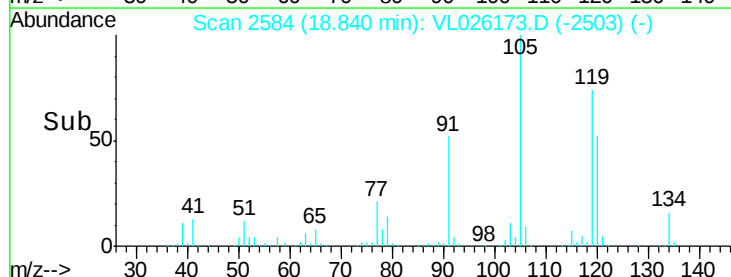
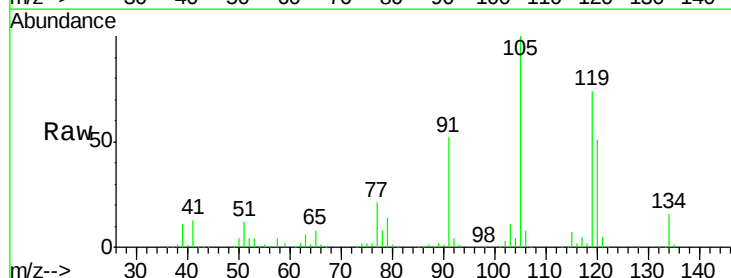
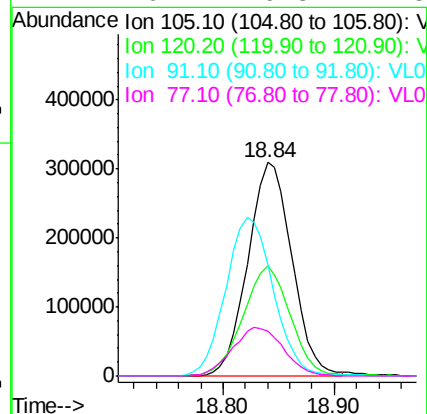
Ion Ratio Lower Upper

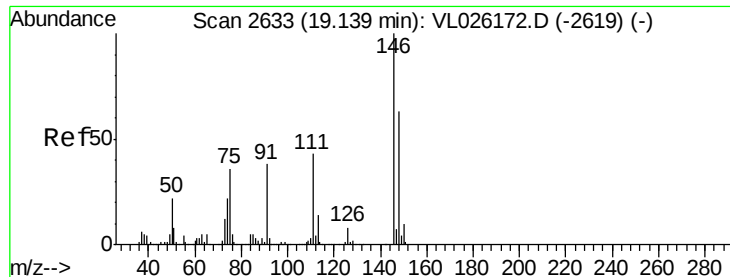
105 100

120 51.1 41.1 61.7

91 51.5 39.8 59.6

77 20.7 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 1.97 ppbv

RT: 19.13 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

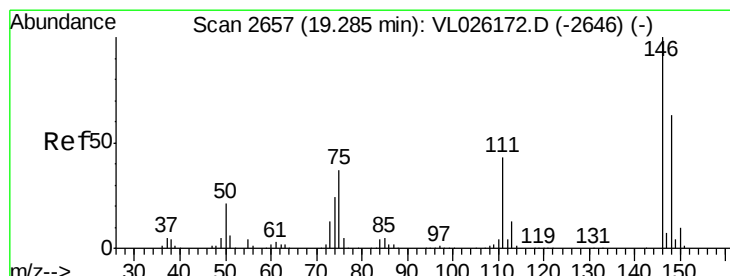
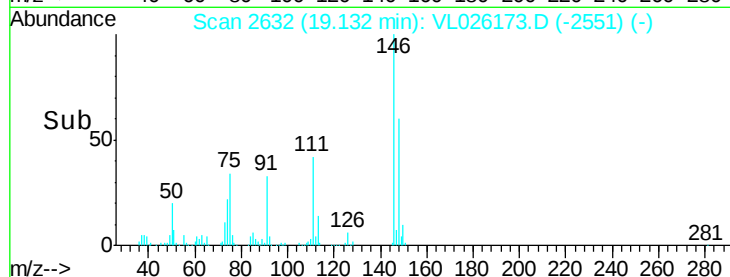
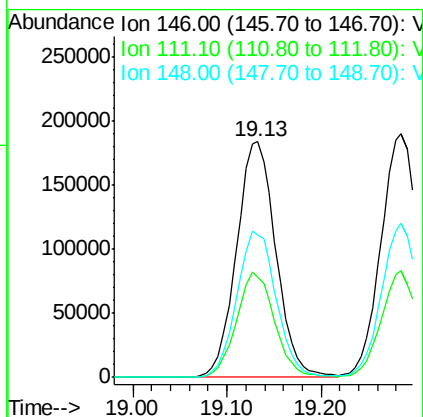
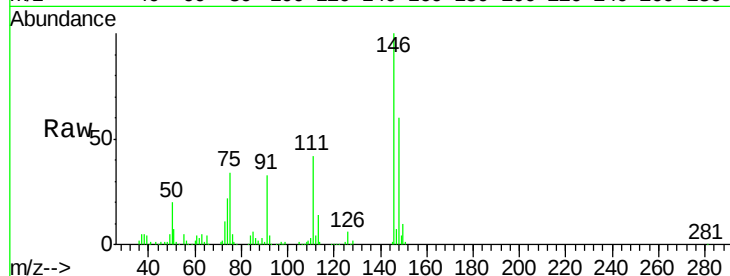
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	536680
Ion Ratio	Lower	Upper	
146	100		
111	43.5	22.1	66.3
148	62.4	31.9	95.5

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#76

1,4-Dichlorobenzene

Concen: 1.91 ppbv

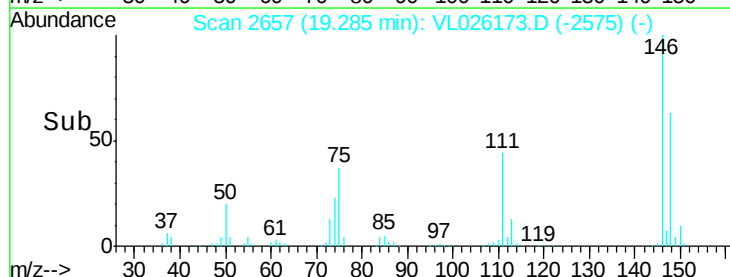
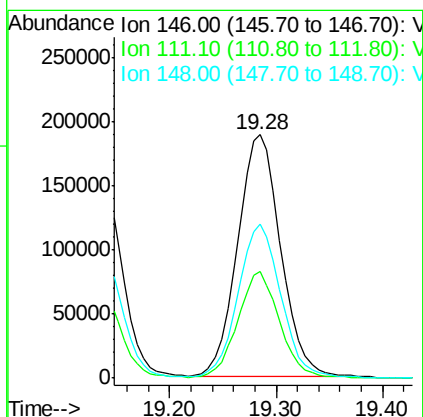
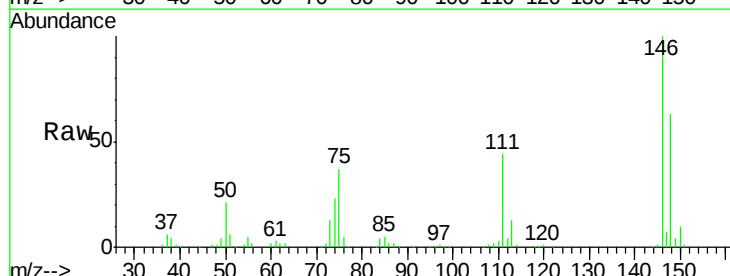
RT: 19.28 min Scan# 2657

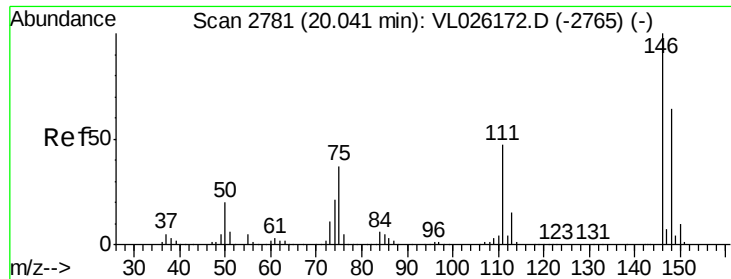
Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	146	Resp:	534204
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.3	63.9
148	64.3	31.6	94.8





#77

1,2-Dichlorobenzene

Concen: 1.90 ppbv

RT: 20.04 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Instrument :

MSVOA_L

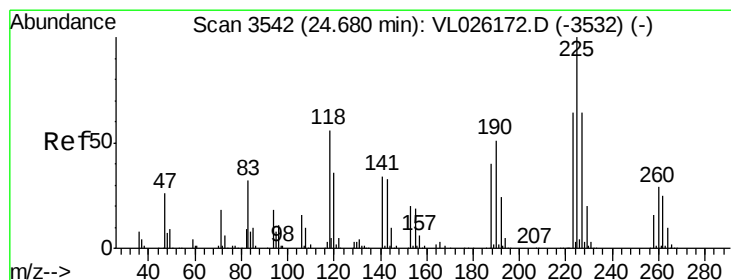
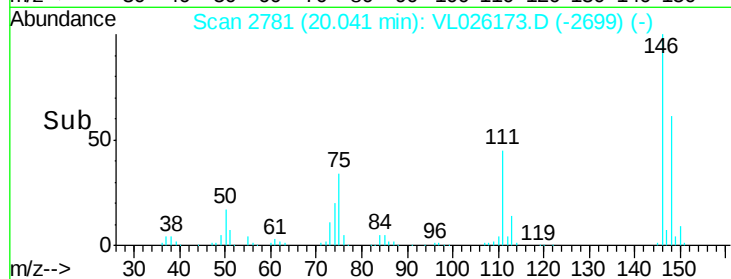
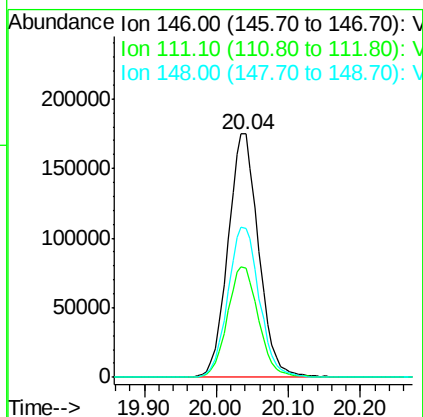
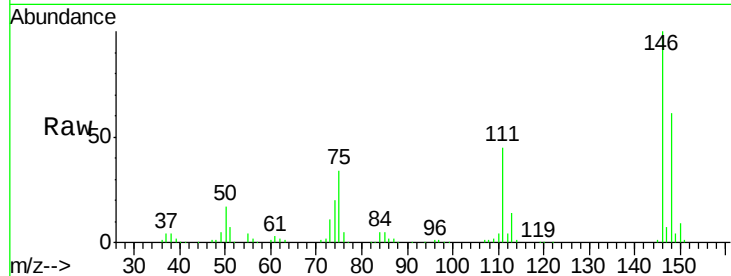
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	517782
Ion Ratio	Lower	Upper	
146	100		
111	45.9	23.0	69.0
148	63.3	31.8	95.3

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#78

Hexachloro-1,3-Butadiene

Concen: 1.90 ppbv

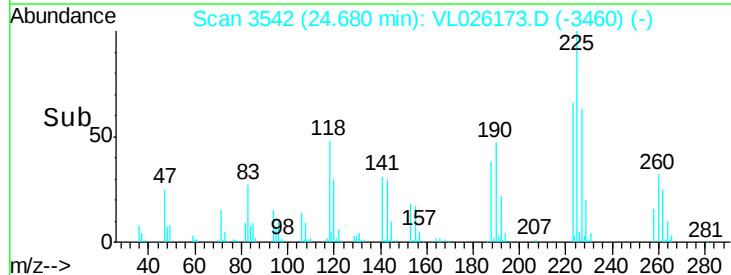
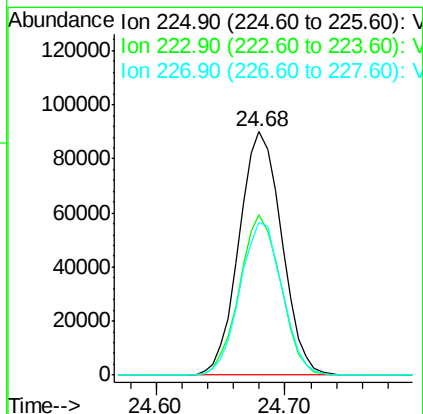
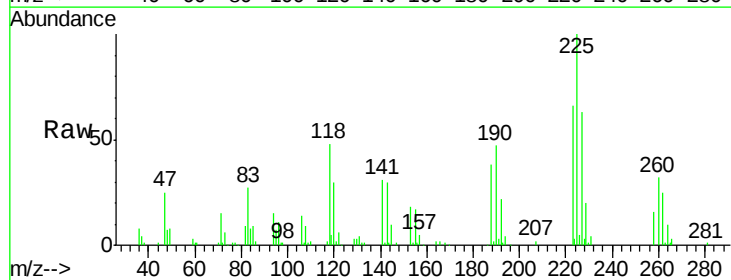
RT: 24.68 min Scan# 3542

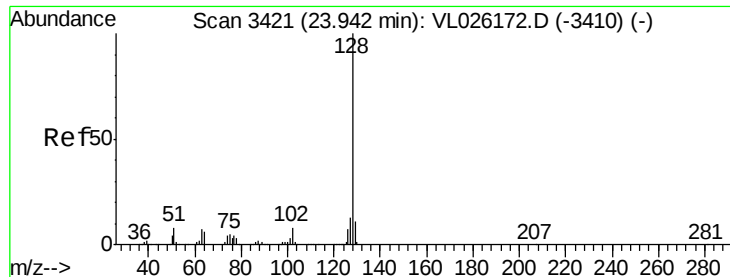
Delta R.T. 0.00 min

Lab File: VL026173.D

Acq: 9 Oct 2015 11:40

Tgt Ion:	225	Resp:	207228
Ion Ratio	Lower	Upper	
225	100		
223	63.6	51.1	76.7
227	62.0	50.8	76.2





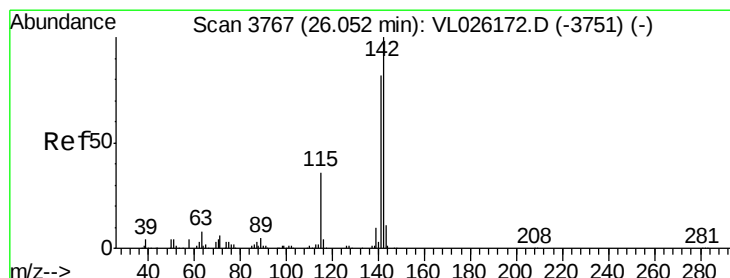
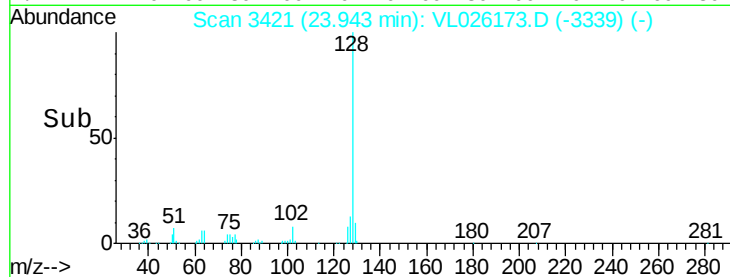
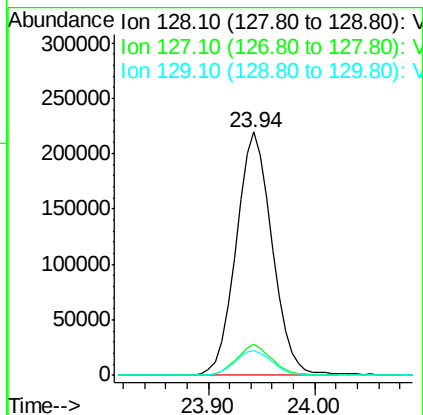
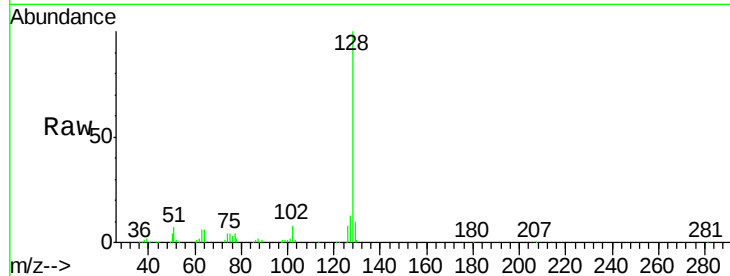
#79
Naphthalene
Concen: 1.53 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.4	8.7	13.1

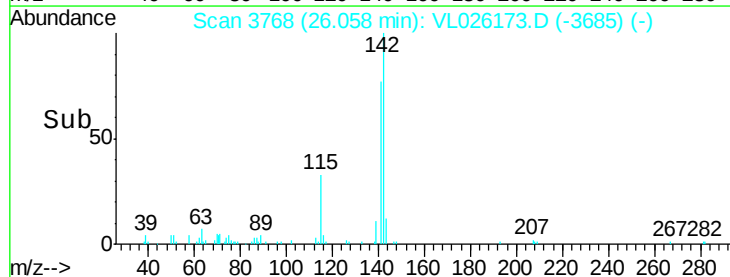
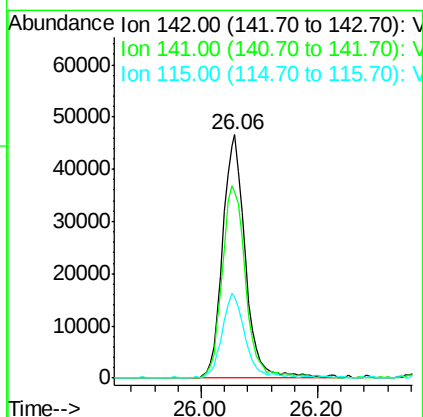
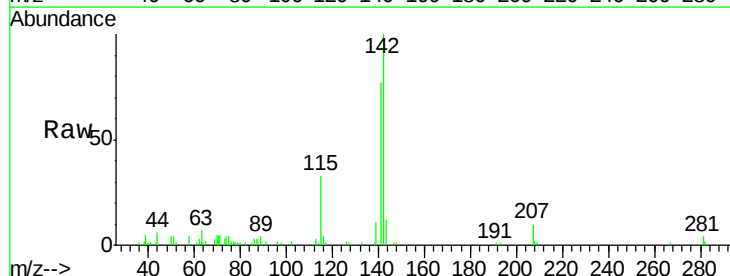
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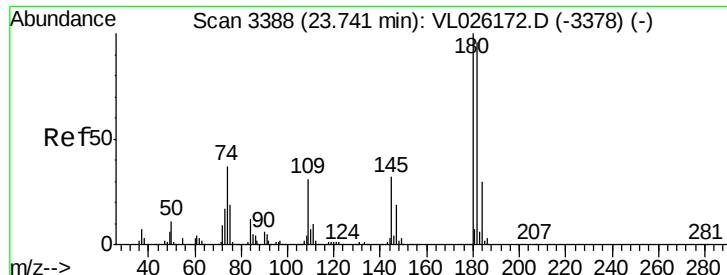
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#80
Naphthalene, 2-methyl-
Concen: 1.58 ppbv
RT: 26.06 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VL026173.D
Acq: 9 Oct 2015 11:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	66.6	99.8
115	36.0	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.56 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL026173.D
 Acq: 9 Oct 2015 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256470		
182	96.1		76.4	114.6
184	29.8		24.0	36.0

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