

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026263.D
 Acq On : 29 Oct 2015 11:19
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:34 PM

Quant Time: Oct 29 14:12:38 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:12:38 2015
 QLast Update : Thu Oct 29 12:16:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	583088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1622290	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1879001	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1452230	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	68662	0.57	ppbv	98
3) Chlorodifluoromethane	3.59	51	40467	0.55	ppbv	99
4) Chloromethane	3.78	50	22141	0.54	ppbv	93
5) Vinyl Chloride	3.91	62	21326	0.50	ppbv	95
6) Bromomethane	4.17	94	16008	0.53	ppbv	99
7) Chloroethane	4.27	64	9827	0.55	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	57648	0.55	ppbv	97
9) Propene	3.62	41	19255	0.55	ppbv	95
10) Heptane	9.39	43	61325	0.51	ppbv	99
11) Trichlorofluoromethane	4.72	101	62953	0.53	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	42639	0.53	ppbv	100
13) Ethanol	4.39	45	2803	0.57	ppbv	72
14) Bromoethene	4.48	108	17373	0.52	ppbv	98
15) Acetone	4.65	43	43731	0.53	ppbv #	81
16) 1,3-Butadiene	4.00	39	19635	0.51	ppbv	97
17) tert-Butyl alcohol	5.20	59	25876m	0.45	ppbv	
18) 1,1-Dichloroethene	5.12	96	19091	0.53	ppbv	99
19) Isopropyl Alcohol	4.82	45	15012	0.46	ppbv #	23
20) Methylene Chloride	5.18	84	18632	0.55	ppbv	100
21) Allyl Chloride	5.26	41	28501	0.51	ppbv	92
22) trans-1,2-Dichloroethene	5.79	96	24354	0.51	ppbv	94
23) Vinyl Acetate	6.03	43	71041	0.46	ppbv #	95
24) 1,1-Dichloroethane	5.94	63	52828	0.52	ppbv	98
25) Ethyl Acetate	6.73	43	83542	0.52	ppbv	100
26) Hexane	6.70	57	40631	0.51	ppbv	98
27) Carbon Disulfide	5.42	76	45167	0.46	ppbv #	82
28) Methyl tert-Butyl Ether	6.01	73	67622	0.47	ppbv	99
29) Chloroform	6.78	83	60646	0.52	ppbv	99
30) Cyclohexane	8.32	84	38584	0.48	ppbv #	57
31) cis-1,2-Dichloroethene	6.55	61	35578	0.48	ppbv	96
32) 1,1,1-Trichloroethane	7.63	97	58420	0.46	ppbv	98
34) 2-Butanone	6.26	43	52113	0.55	ppbv	98
35) Carbon Tetrachloride	8.20	117	56400	0.46	ppbv	99
36) Benzene	8.06	78	91122	0.54	ppbv	98
37) 1,2-Dichloroethane	7.41	62	46707	0.53	ppbv	99
38) Trichloroethene	9.10	130	38608	0.48	ppbv	96
39) 1,2-Dichloropropane	8.87	63	33664	0.55	ppbv	96
40) 1,4-Dioxane	9.24	88	4149m	0.44	ppbv	
41) Tetrahydrofuran	7.20	42	28005	0.50	ppbv	96
42) Bromodichloromethane	9.06	83	58299	0.48	ppbv	97
43) Methyl Methacrylate	9.32	69	28972	0.47	ppbv	94

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026263.D
 Acq On : 29 Oct 2015 11:19
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:34 PM

Quant Time: Oct 29 14:12:38 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
 QLast Update : Thu Oct 29 12:16:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	150992	0.54	ppbv	99
45) t-1,3-Dichloropropene	10.70	75	36213	0.40	ppbv	96
46) cis-1,3-Dichloropropene	10.06	75	47838	0.44	ppbv	98
47) 1,1,2-Trichloroethane	10.92	97	40848	0.55	ppbv	99
48) Dibromochloromethane	11.84	129	49659	0.44	ppbv	99
49) Bromoform	14.86	173	35823	0.39	ppbv	99
50) 4-Methyl-2-Pentanone	10.15	43	63880	0.49	ppbv	96
51) 2-Hexanone	11.69	43	53638	0.44	ppbv #	100
52) Tetrachloroethene	12.84	164	39906	0.43	ppbv	97
53) Toluene	11.28	91	115189	0.51	ppbv	97
54) 1,2-Dibromoethane	12.19	107	60030	0.52	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	43596	0.48	ppbv #	1
57) Chlorobenzene	13.85	112	105990	0.57	ppbv	98
58) Ethyl Benzene	14.46	91	160760	0.52	ppbv	99
59) m/p-Xylene	14.77	91	268434	1.10	ppbv #	100
60) o-Xylene	15.54	91	145029	0.57	ppbv	99
61) Styrene	15.36	104	49759	0.44	ppbv	99
62) Isopropylbenzene	16.59	105	189385	0.54	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.53	83	100653	0.58	ppbv	99
64) n-propylbenzene	17.57	120	49521	0.51	ppbv	82
65) tert-Butylbenzene	18.86	119	170884	0.53	ppbv	99
66) Benzyl Chloride	19.16	91	36699	0.33	ppbv #	95
67) sec-Butylbenzene	19.46	105	239753	0.53	ppbv	98
69) p-Isopropyltoluene	19.84	119	188275	0.51	ppbv	98
70) n-Butylbenzene	20.81	91	176574	0.51	ppbv	97
71) 2-Chlorotoluene	17.47	91	132551	0.51	ppbv	100
72) 4-Ethyltoluene	17.86	105	146576	0.50	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	141316	0.52	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	156646	0.55	ppbv	97
75) 1,3-Dichlorobenzene	19.17	146	103054	0.56	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	103838	0.55	ppbv	98
77) 1,2-Dichlorobenzene	20.08	146	99633	0.54	ppbv	100
78) Hexachloro-1,3-Butadiene	24.71	225	42502	0.51	ppbv	98
79) Naphthalene	23.98	128	96735	0.43	ppbv	98
80) Naphthalene, 2-methyl-	26.09	142	17347	0.48	ppbv	96
81) 1,2,4-Trichlorobenzene	23.78	180	51500	0.47	ppbv	99

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

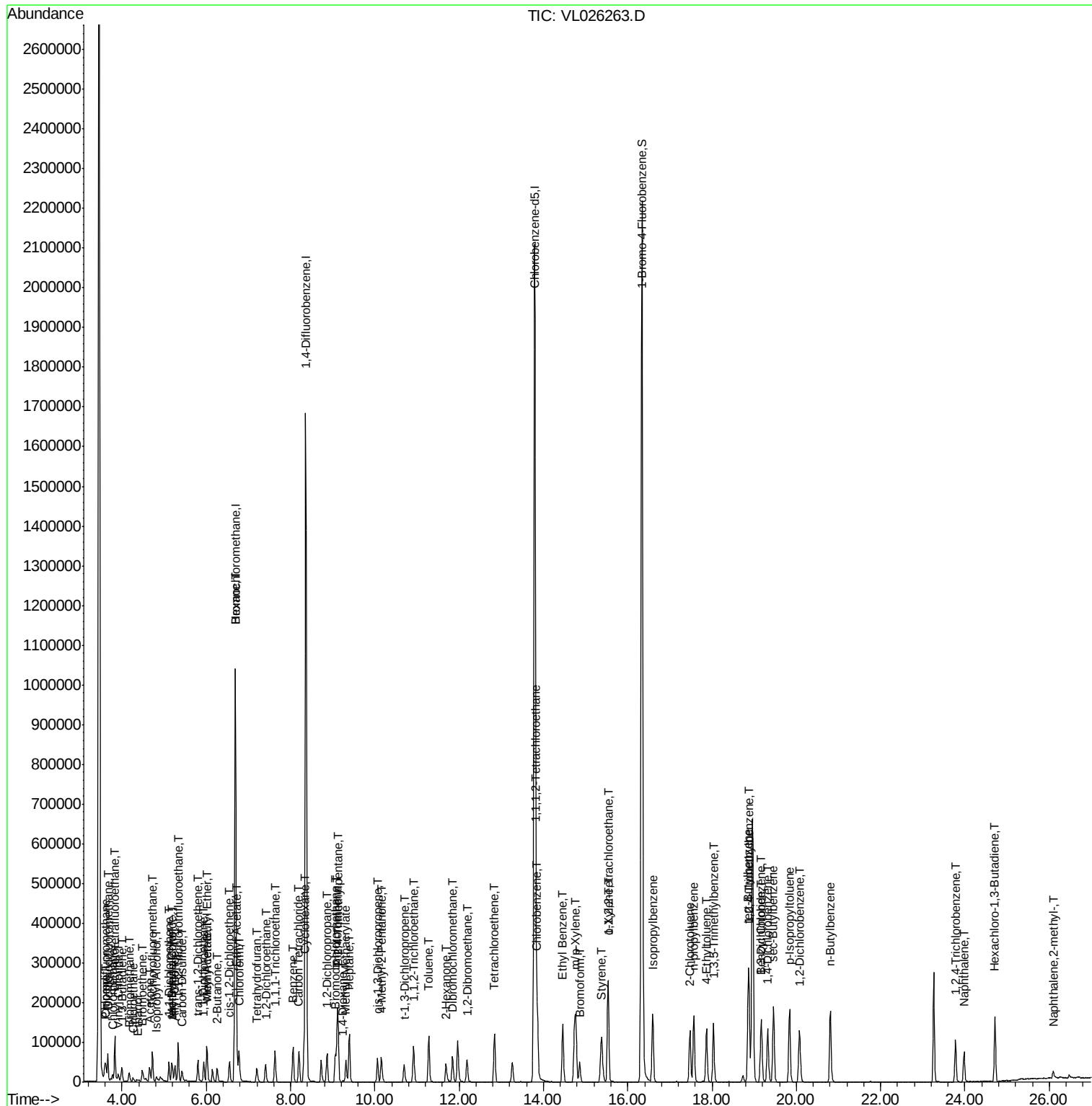
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
Data File : VL026263.D
Acq On : 29 Oct 2015 11:19
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

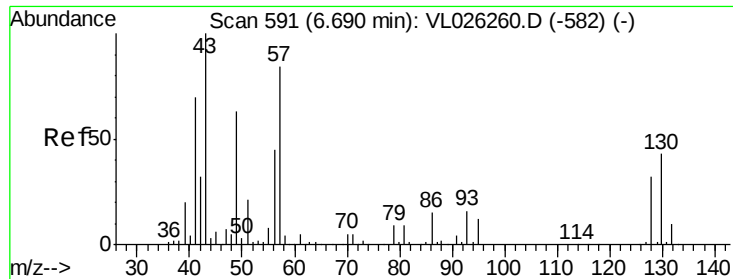
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM

Quant Time: Oct 29 14:12:38 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 29 12:16:01 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 583088

Ion Ratio Lower Upper

49 100

128 54.4 26.7 80.1

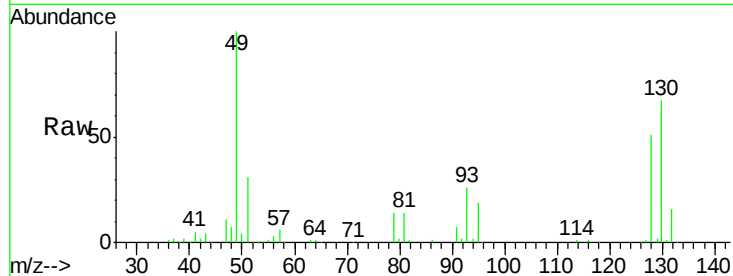
130 69.6 34.4 103.2

Manual Integrations

APPROVED

Mmdadoda

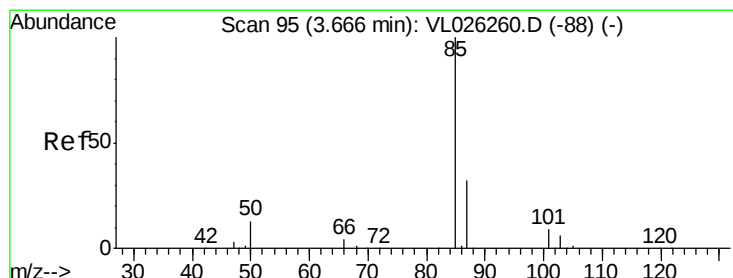
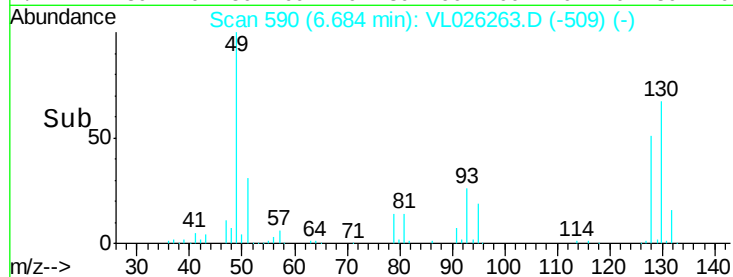
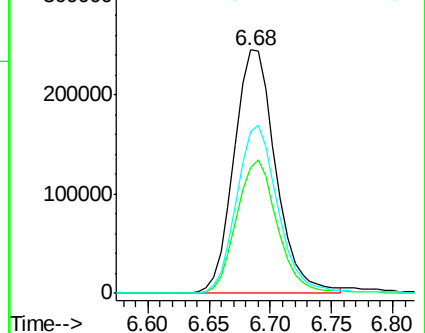
10/30/2015 12:06:34 PM



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: 0.57 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026263.D

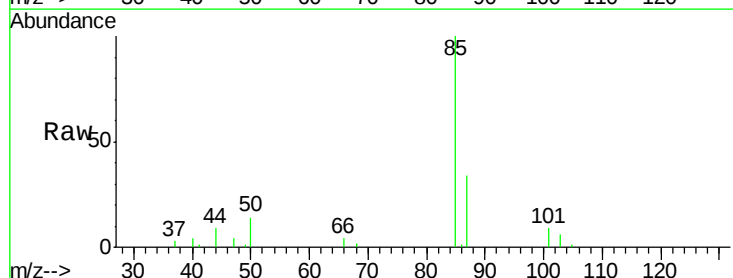
Acq: 29 Oct 2015 11:19

Tgt Ion: 85 Resp: 68662

Ion Ratio Lower Upper

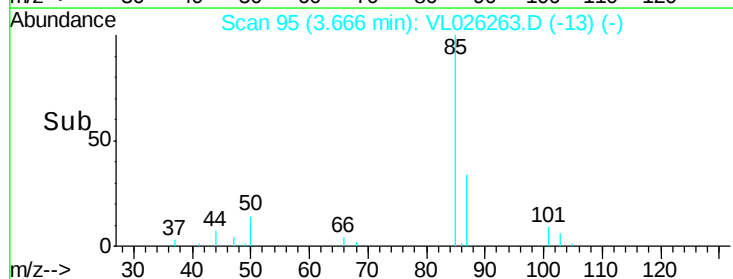
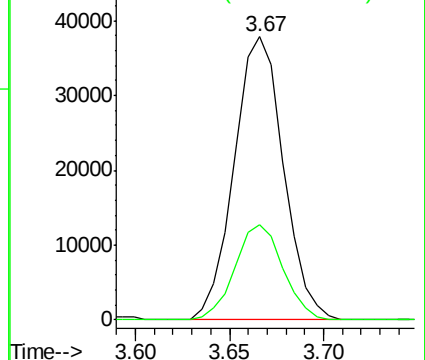
85 100

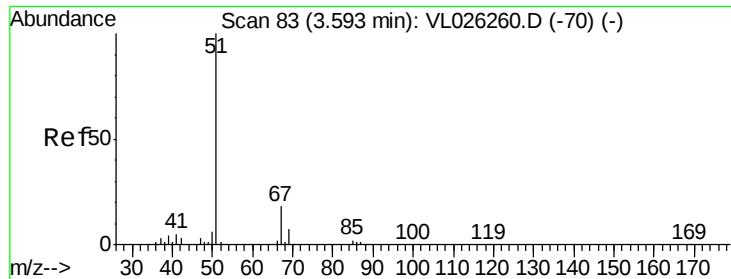
87 33.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.55 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.5	21.7

Instrument :

MSVOA_L

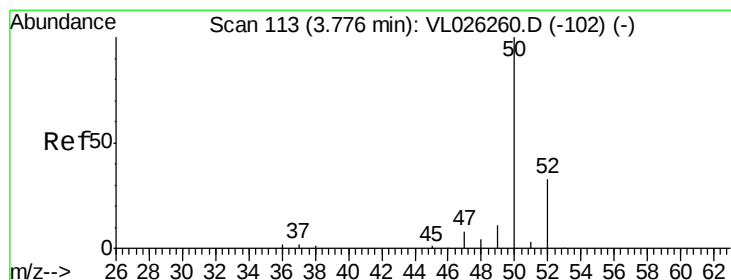
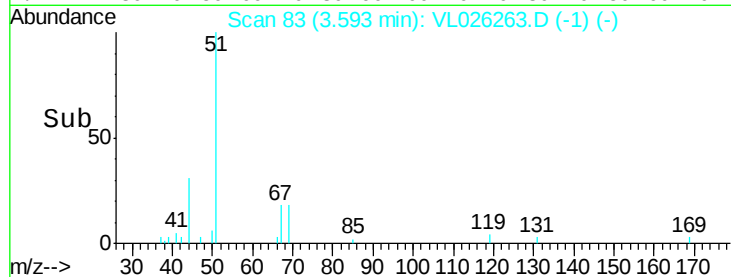
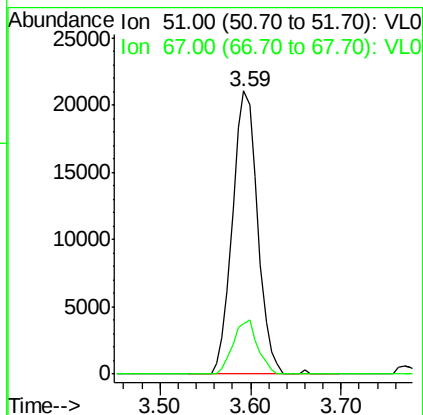
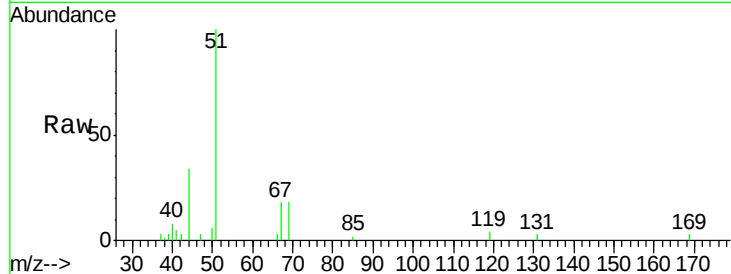
ClientSampleId :

VSTDIC0.5

Manual Integrations
APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#4

Chloromethane

Concen: 0.54 ppbv

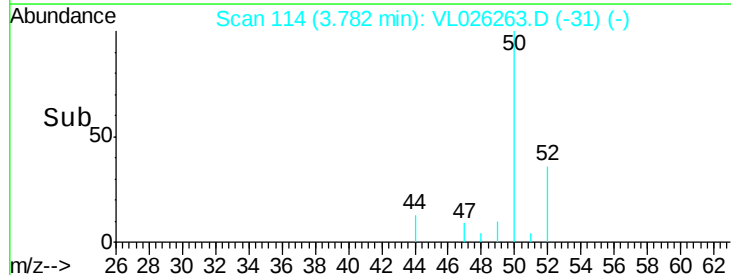
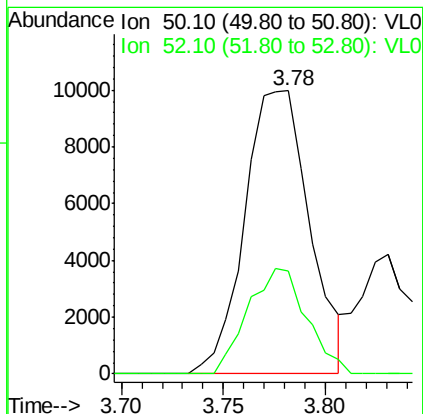
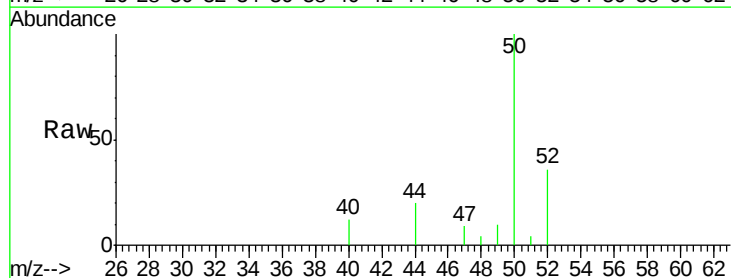
RT: 3.78 min Scan# 114

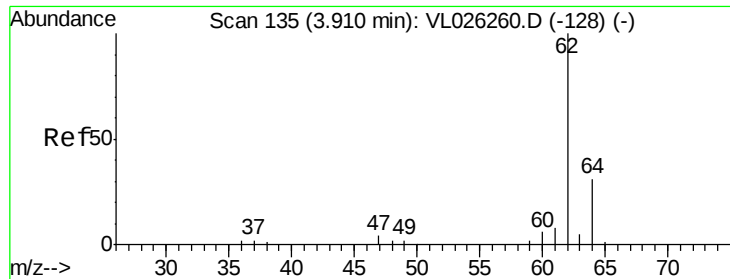
Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
50	100		
52	36.4	26.1	39.1





#5

Vinyl Chloride

Concen: 0.50 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 21326

Ion Ratio Lower Upper

62 100

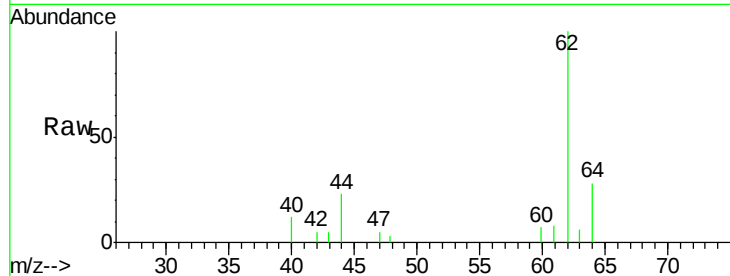
64 28.2 24.9 37.3

Manual Integrations

APPROVED

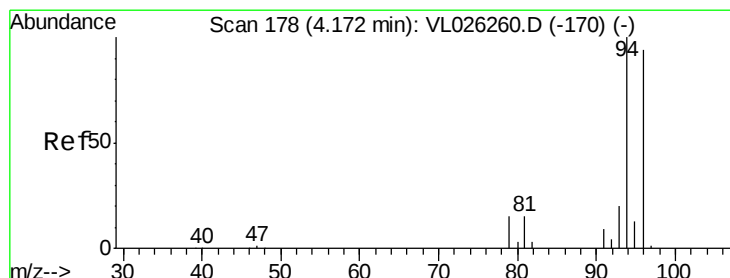
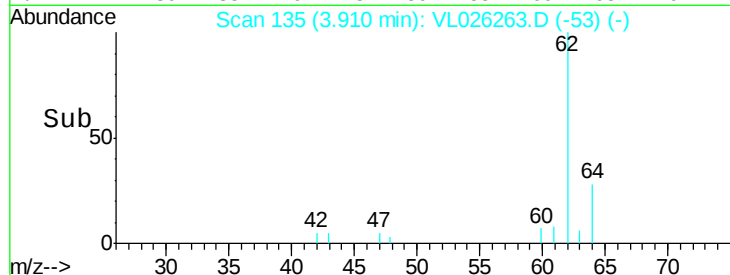
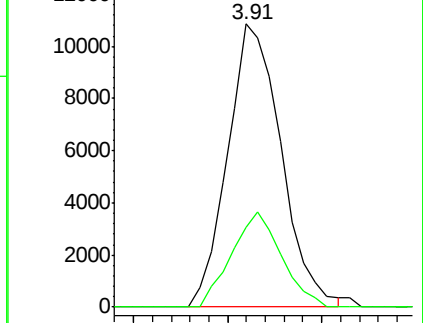
Mmdadoda

10/30/2015 12:06:34 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.53 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026263.D

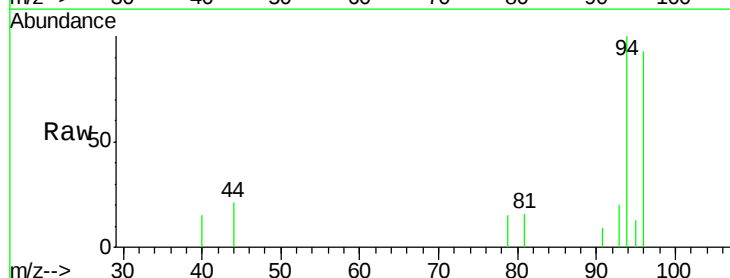
Acq: 29 Oct 2015 11:19

Tgt Ion: 94 Resp: 16008

Ion Ratio Lower Upper

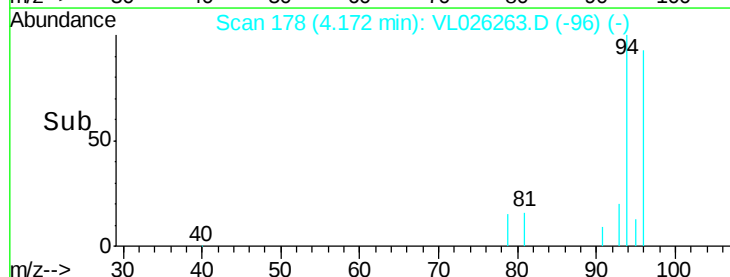
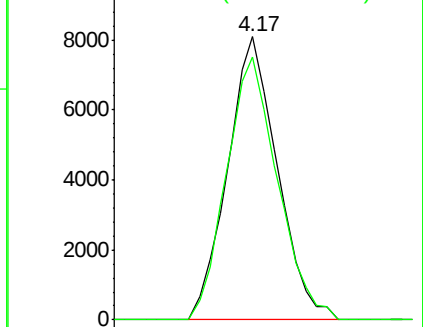
94 100

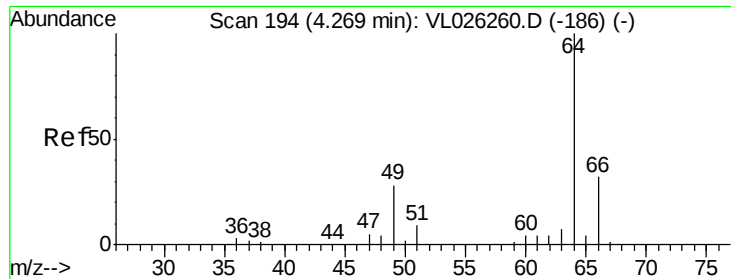
96 93.1 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.55 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 9827

Ion Ratio Lower Upper

64 100

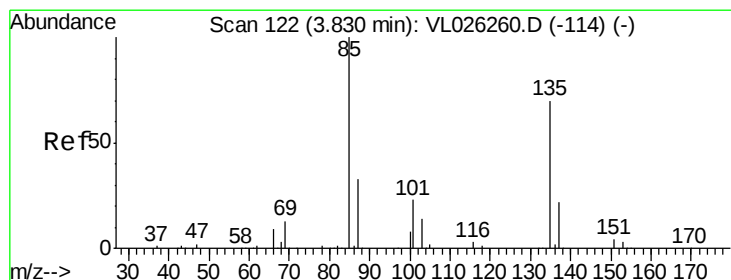
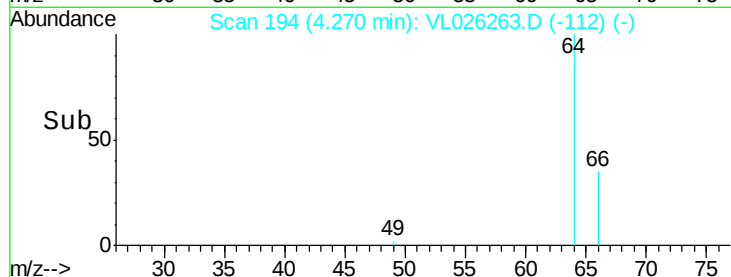
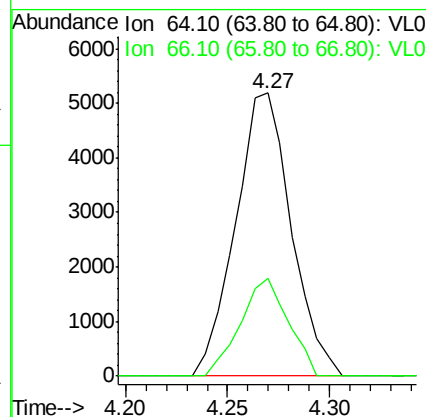
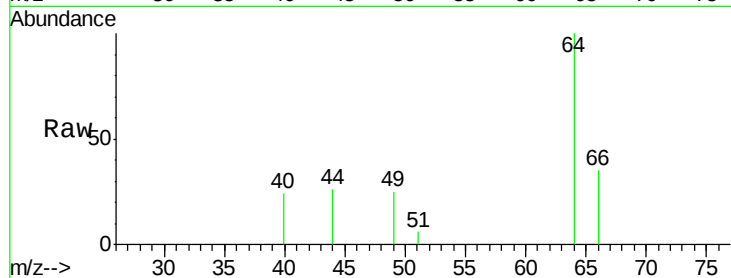
66 34.5 25.2 37.8

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#8

Dichlorotetrafluoroethane

Concen: 0.55 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026263.D

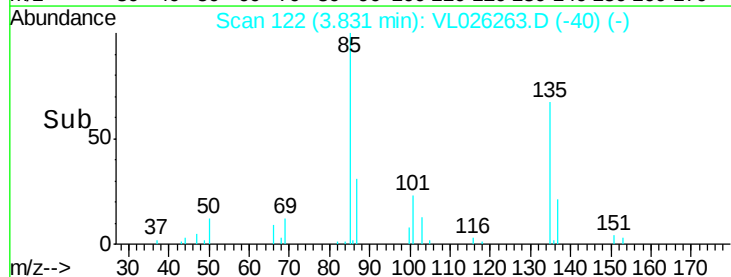
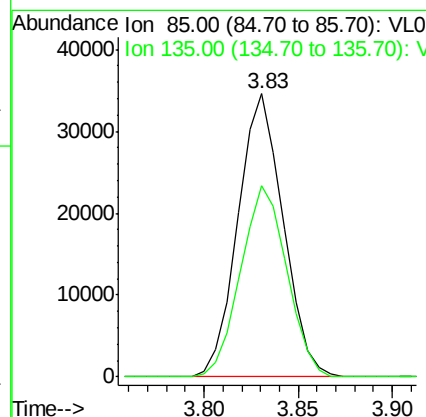
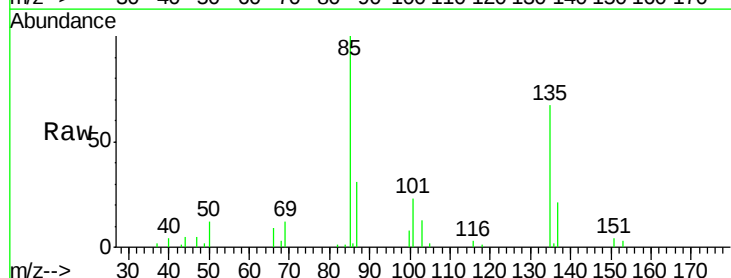
Acq: 29 Oct 2015 11:19

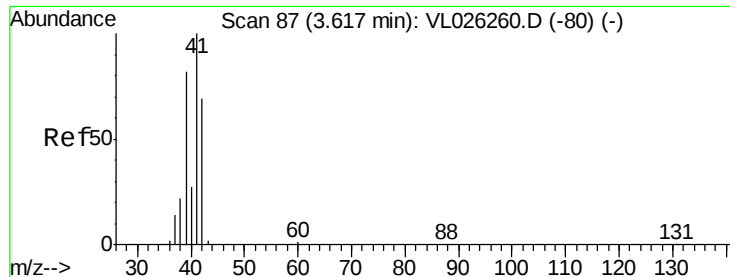
Tgt Ion: 85 Resp: 57648

Ion Ratio Lower Upper

85 100

135 68.6 56.6 84.8





#9

Propene

Concen: 0.55 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 19255

Ion Ratio Lower Upper

41 100

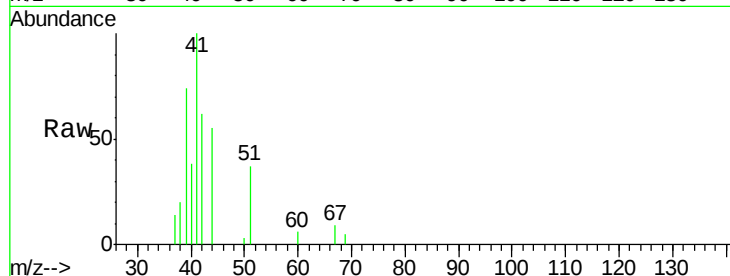
42 63.9 54.5 81.7

Manual Integrations

APPROVED

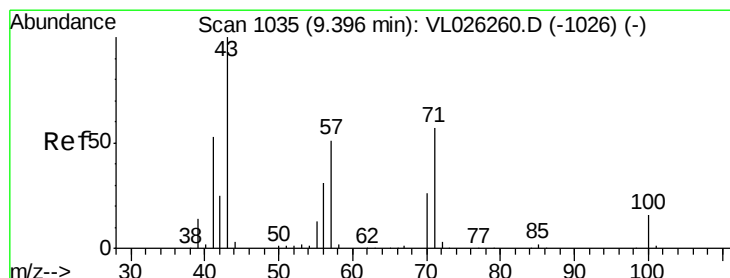
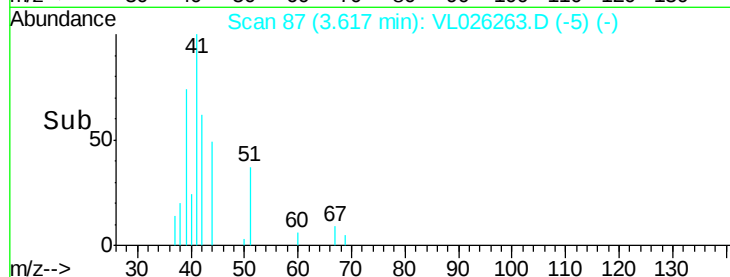
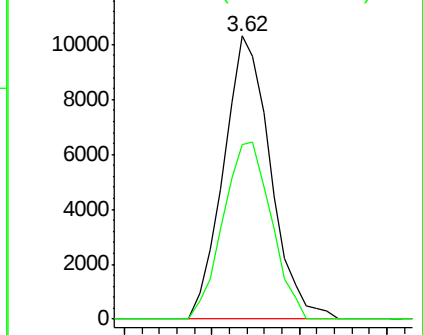
Mmdadoda

10/30/2015 12:06:34 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.51 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026263.D

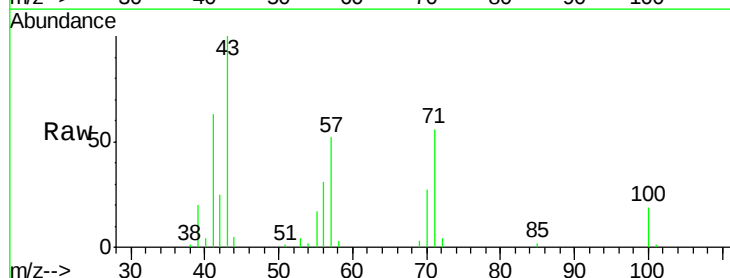
Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 61325

Ion Ratio Lower Upper

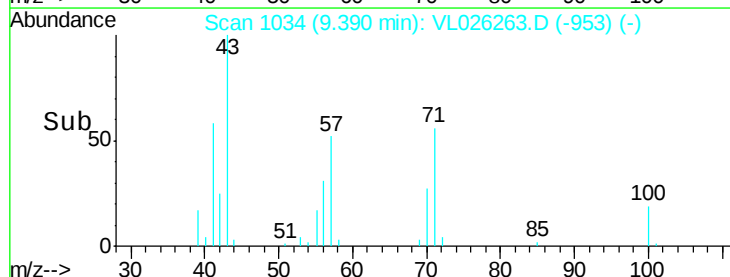
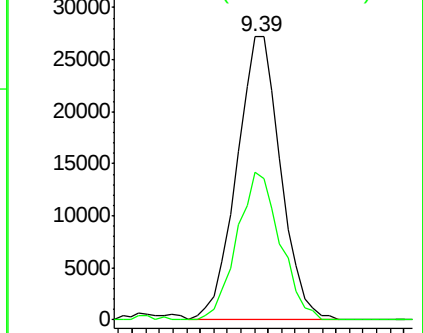
43 100

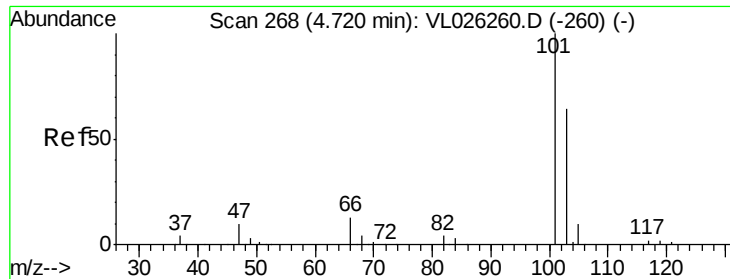
57 52.0 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





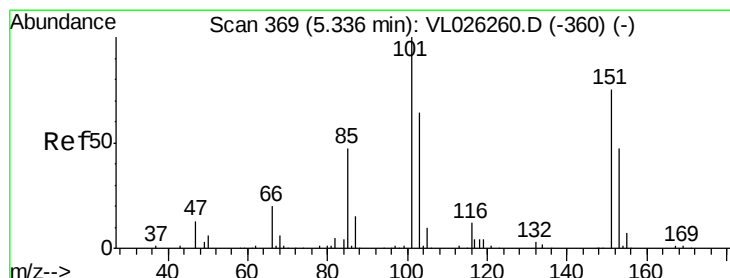
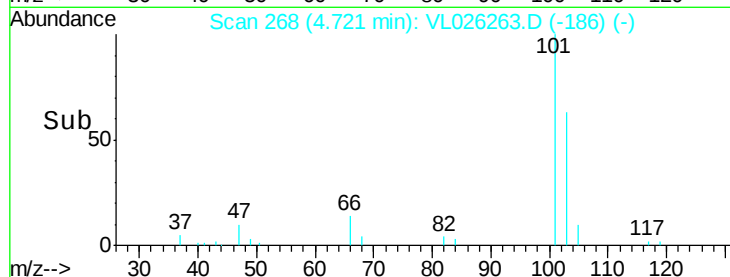
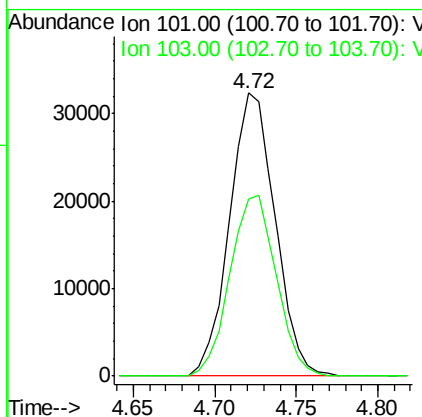
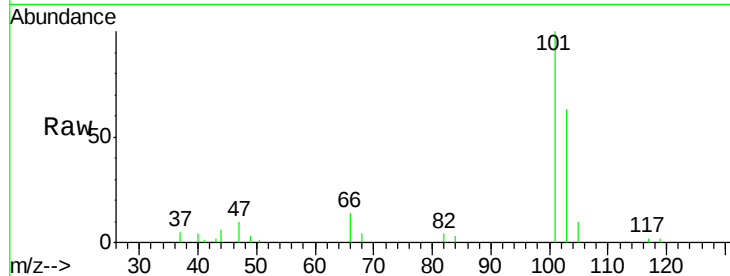
#11
 Trichlorofluoromethane
 Concen: 0.53 ppbv
 RT: 4.72 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:101 Resp: 62953
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.4 77.0

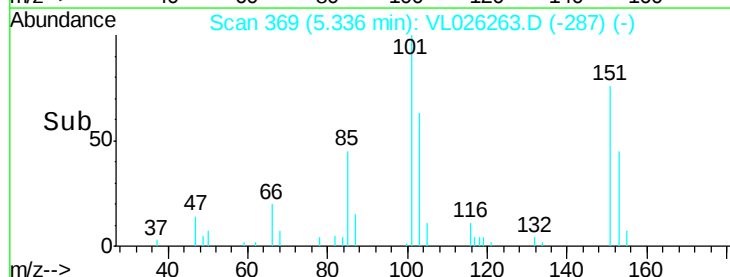
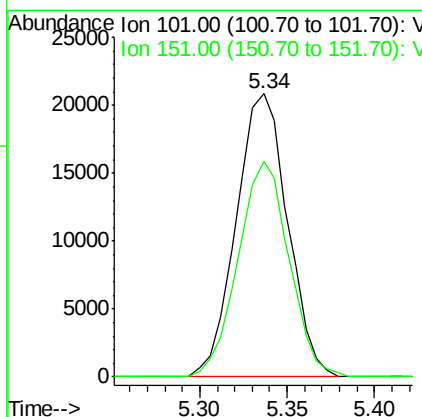
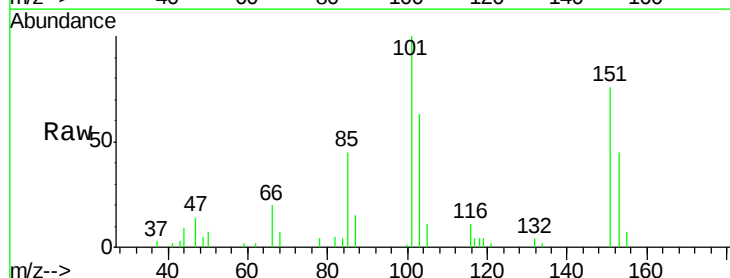
Manual Integrations
 APPROVED

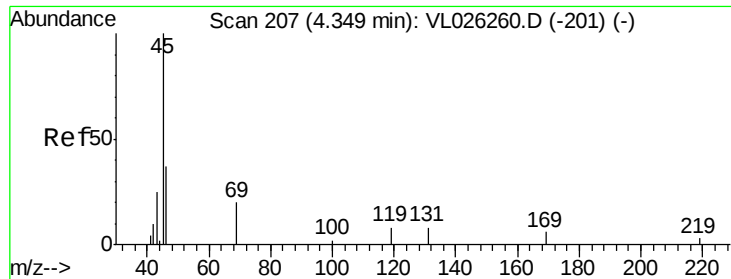
Mmdadoda
 10/30/2015 12:06:34 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.53 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion:101 Resp: 42639
 Ion Ratio Lower Upper
 101 100
 151 75.4 60.3 90.5





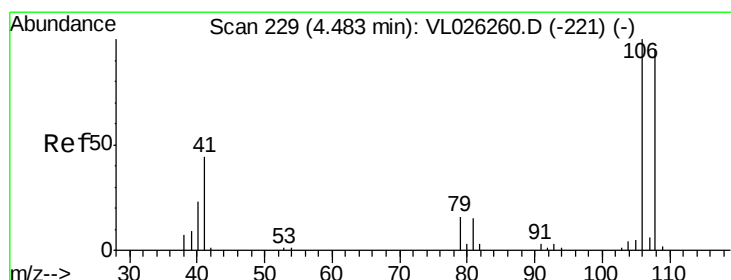
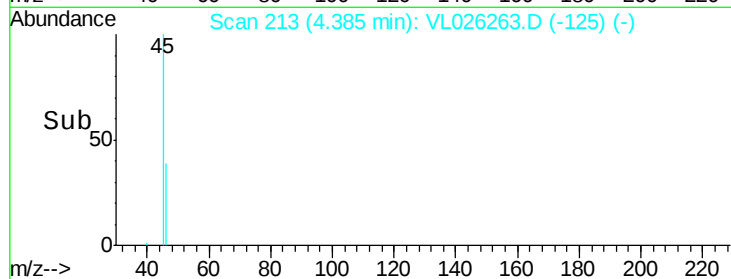
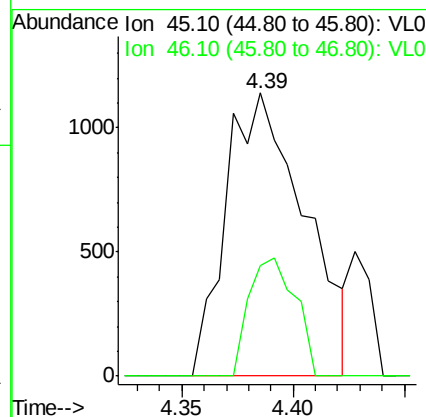
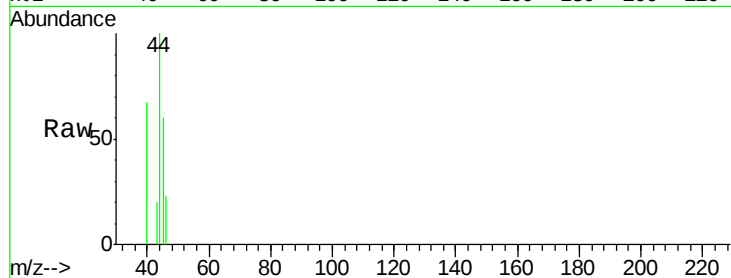
#13
Ethanol
Concen: 0.57 ppbv
RT: 4.39 min Scan# 213
Delta R.T. 0.04 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 2803
Ion Ratio Lower Upper
45 100
46 24.6 17.0 68.0

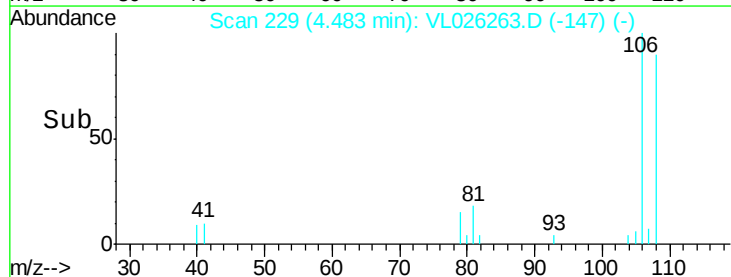
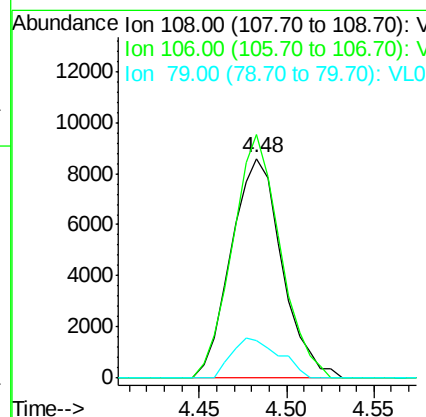
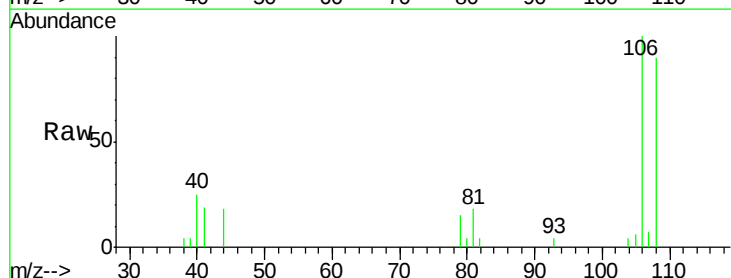
Manual Integrations
APPROVED

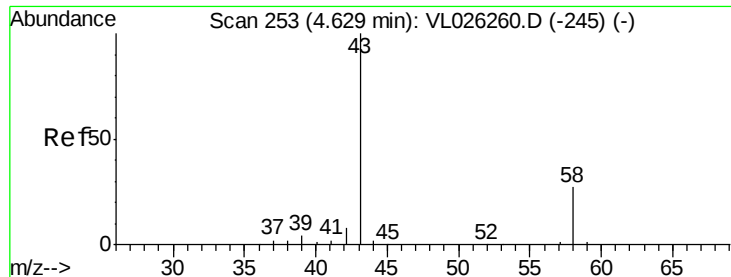
Mmdadoda
10/30/2015 12:06:34 PM



#14
Bromoethene
Concen: 0.52 ppbv
RT: 4.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 108 Resp: 17373
Ion Ratio Lower Upper
108 100
106 104.0 85.4 128.0
79 17.0 13.5 20.3





#15

Acetone

Concen: 0.53 ppbv

RT: 4.65 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 43731

Ion Ratio Lower Upper

43 100

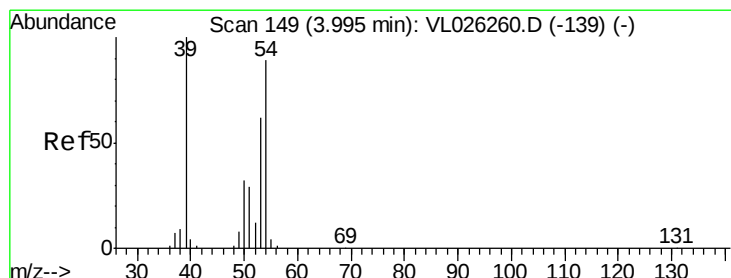
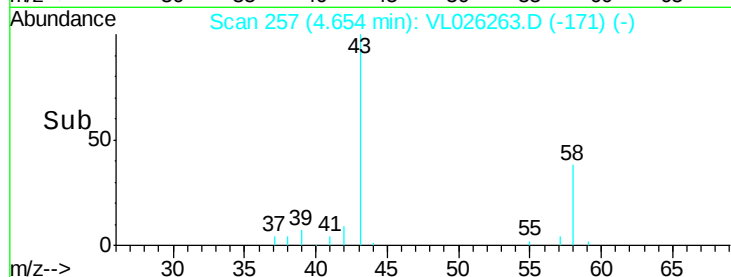
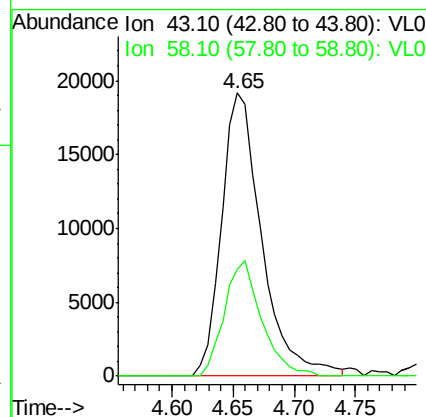
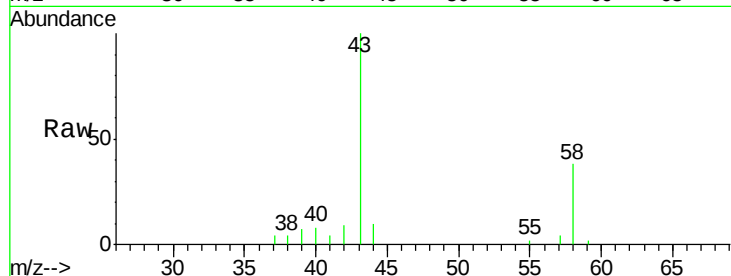
58 37.9 22.3 33.5#

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#16

1,3-Butadiene

Concen: 0.51 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026263.D

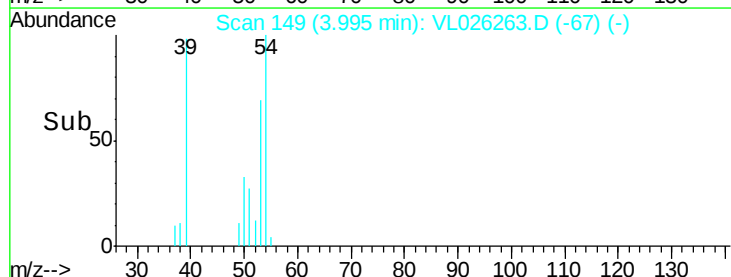
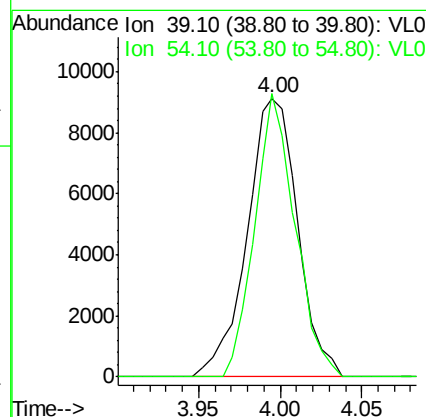
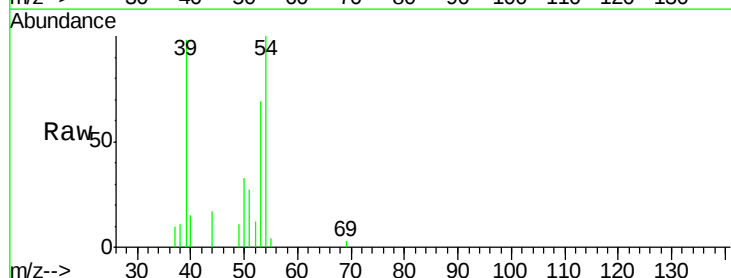
Acq: 29 Oct 2015 11:19

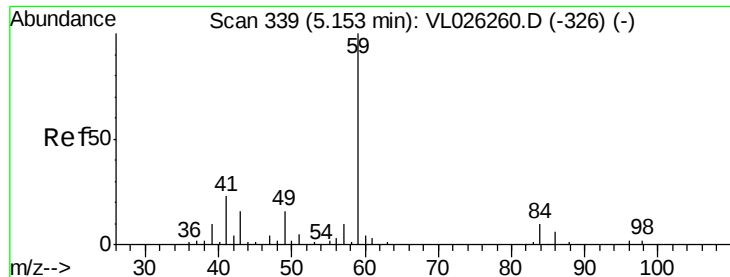
Tgt Ion: 39 Resp: 19635

Ion Ratio Lower Upper

39 100

54 81.2 67.3 100.9





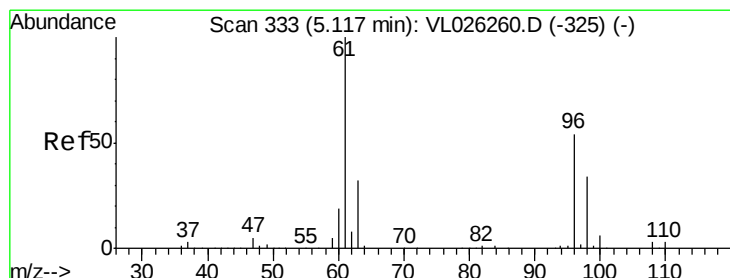
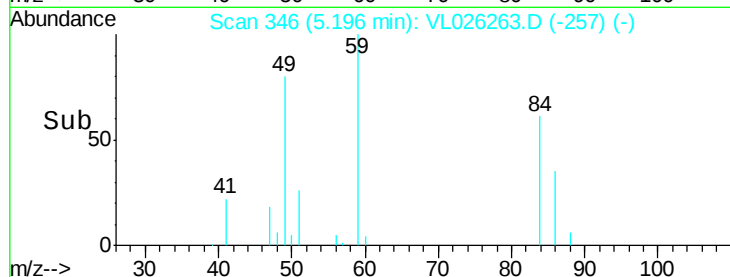
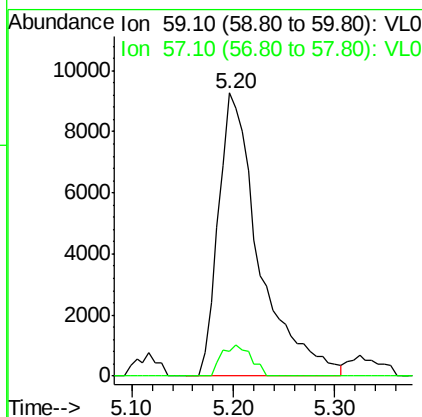
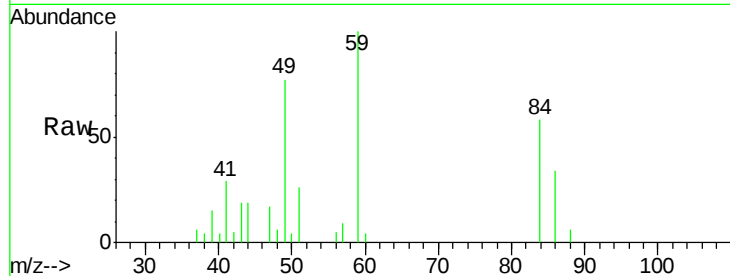
#17
tert-Butyl alcohol
Concen: 0.45 ppbv m
RT: 5.20 min Scan# 346
Delta R.T. 0.04 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 25876
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

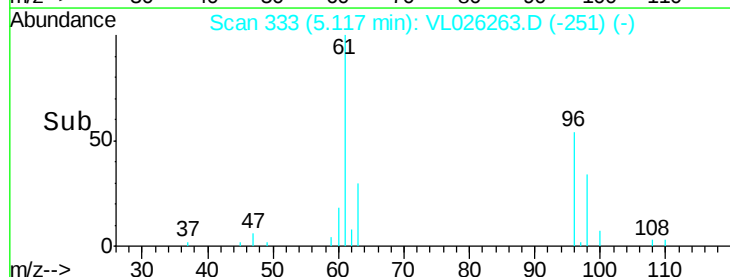
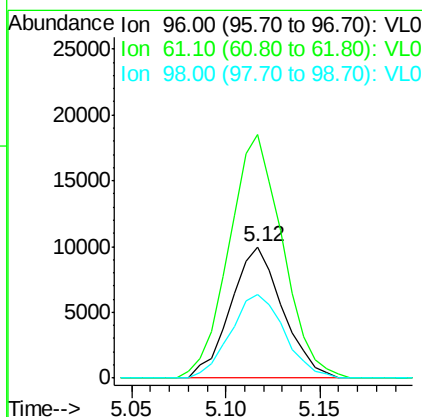
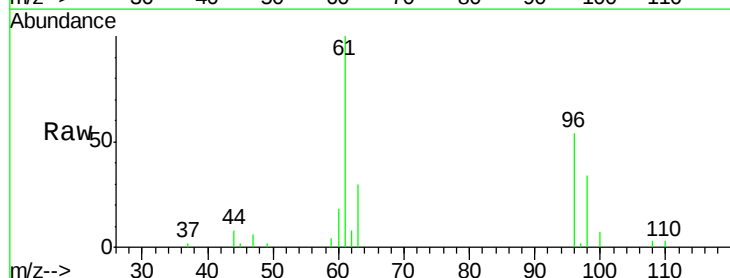
Manual Integrations
APPROVED

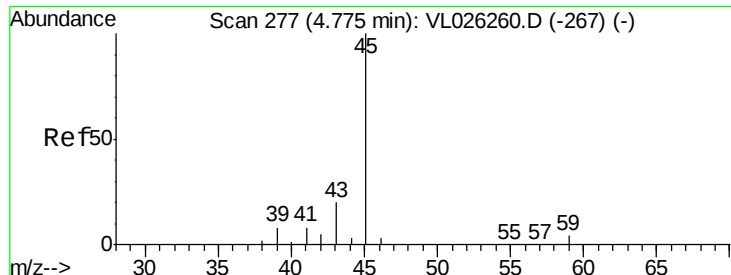
Mmdadoda
10/30/2015 12:06:34 PM



#18
1,1-Dichloroethene
Concen: 0.53 ppbv
RT: 5.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 96 Resp: 19091
Ion Ratio Lower Upper
96 100
61 182.0 147.0 220.4
98 63.4 50.1 75.1





#19

Isopropyl Alcohol

Concen: 0.46 ppbv

RT: 4.82 min Scan# 284

Delta R.T. 0.04 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 15012

Ion Ratio Lower Upper

45 100

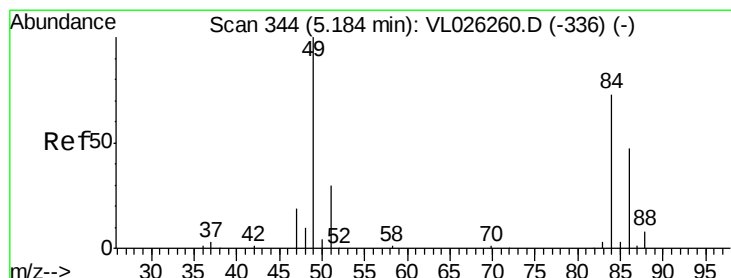
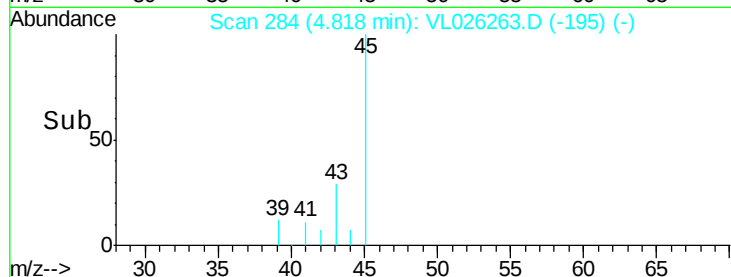
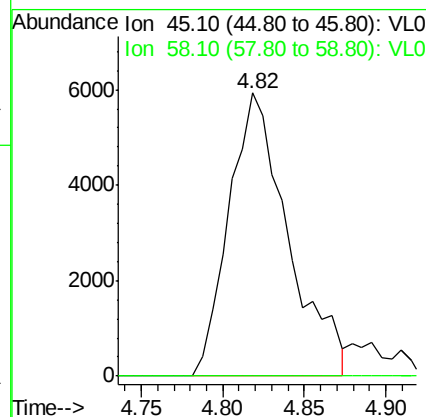
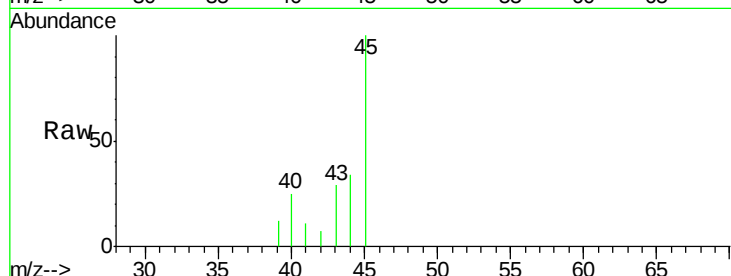
58 110.5 43.8 65.8#

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#20

Methylene Chloride

Concen: 0.55 ppbv

RT: 5.18 min Scan# 343

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion: 84 Resp: 18632

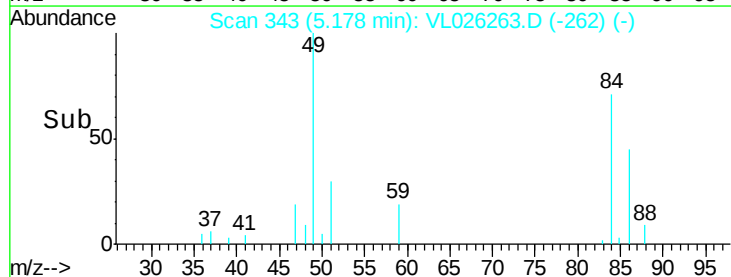
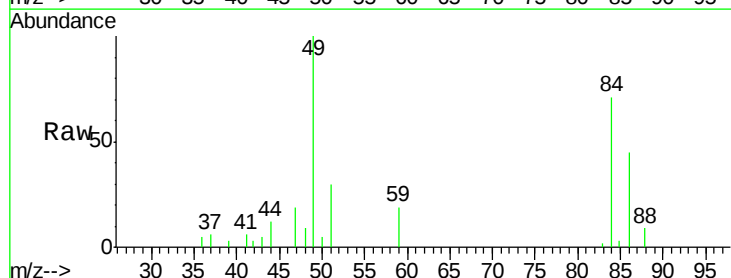
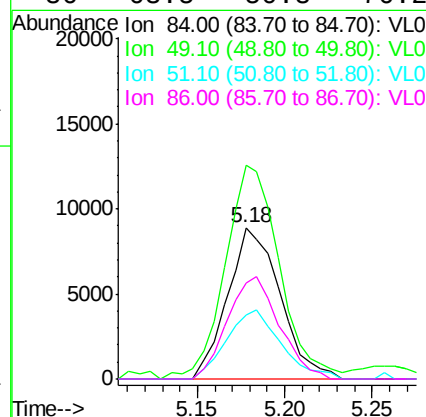
Ion Ratio Lower Upper

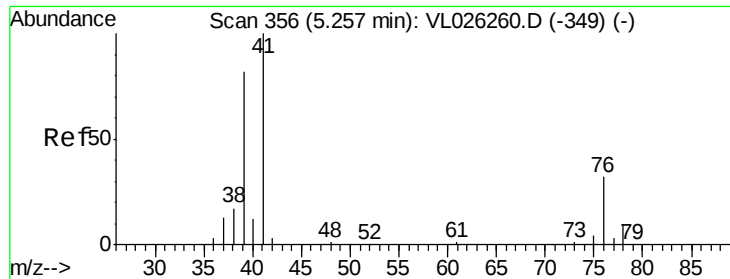
84 100

49 136.4 109.0 163.4

51 42.3 32.8 49.2

86 63.5 50.8 76.2





#21

Allvl Chloride

Concen: 0.51 ppbv

RT: 5.26 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

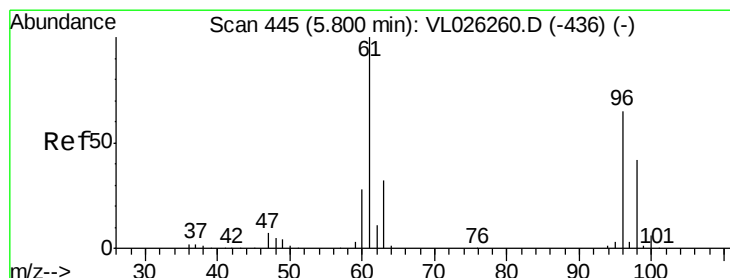
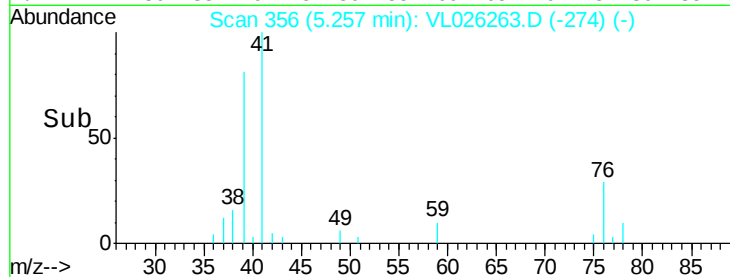
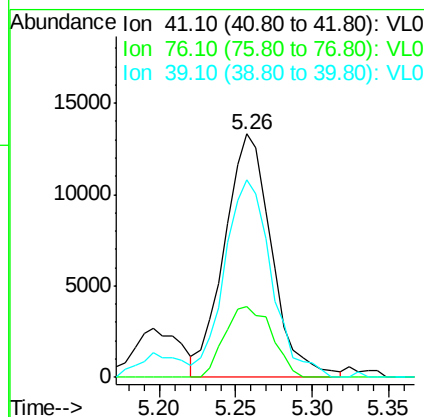
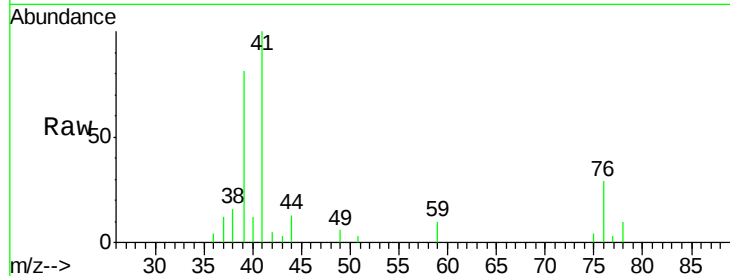
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	28501
Ion Ratio	Lower	Upper	
41	100		
76	28.9	25.9	38.9
39	89.9	65.8	98.6

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#22

trans-1,2-Dichloroethene

Concen: 0.51 ppbv

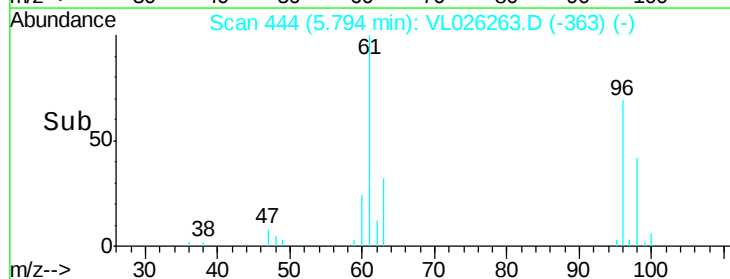
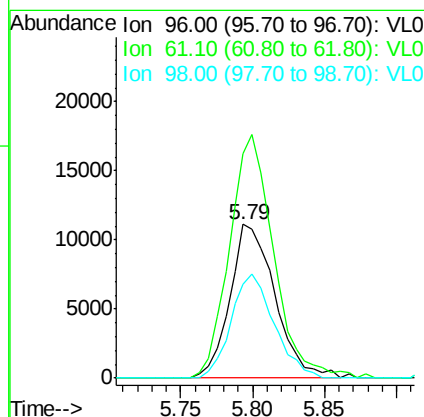
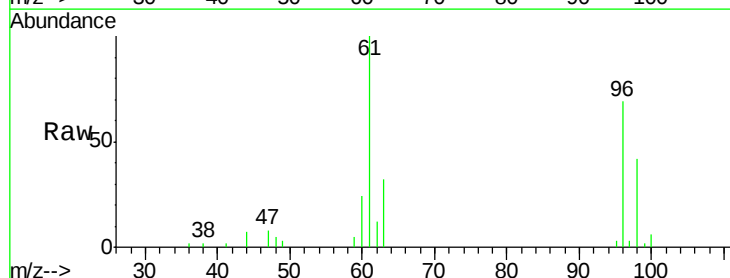
RT: 5.79 min Scan# 444

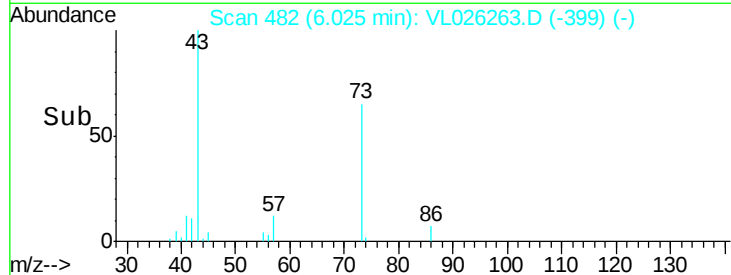
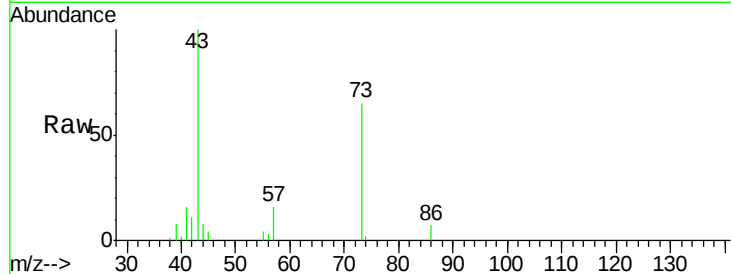
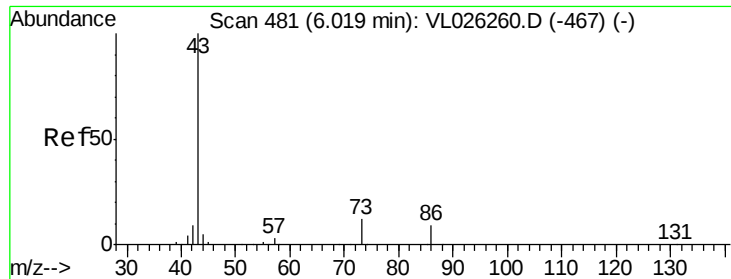
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	96	Resp:	24354
Ion Ratio	Lower	Upper	
96	100		
61	145.6	123.2	184.8
98	61.0	51.4	77.0





#23

Vinyl Acetate

Concen: 0.46 ppbv

RT: 6.03 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL026263.D

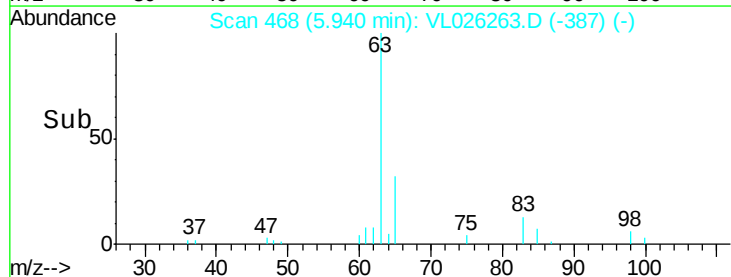
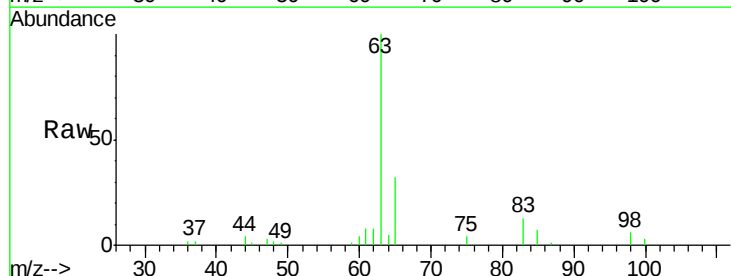
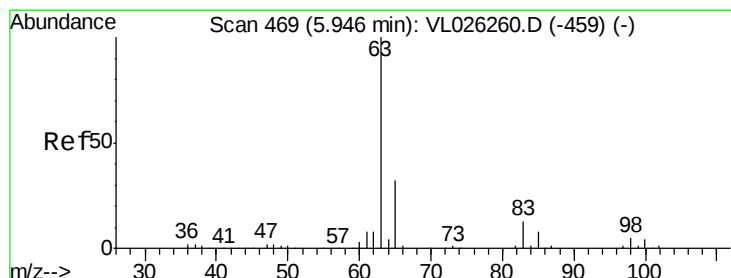
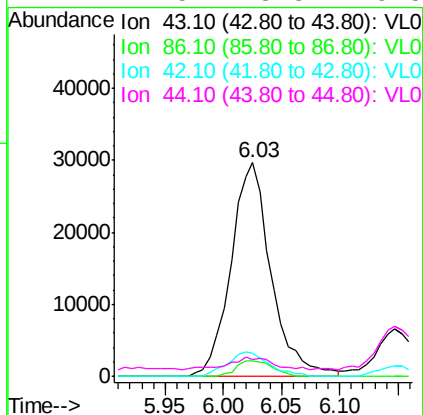
Acq: 29 Oct 2015 11:19

Tot Ion:	43	Resp:	71041
Ion Ratio	Lower	Upper	
43	100		
86	7.0	7.3	10.9#
42	11.1	7.2	10.8#
44	4.5	3.8	5.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#24

1,1-Dichloroethane

Concen: 0.52 ppbv

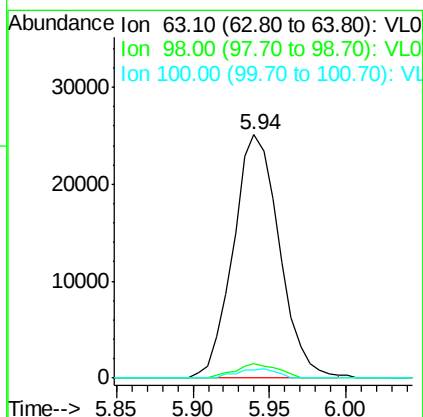
RT: 5.94 min Scan# 468

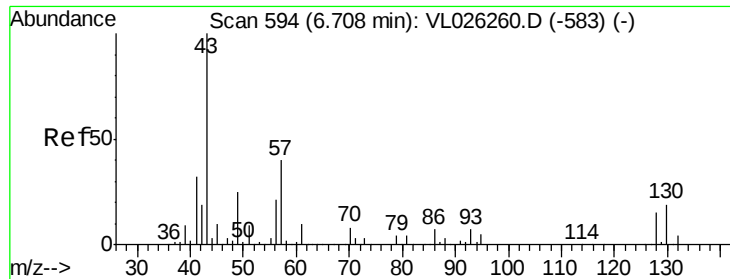
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	63	Resp:	52828
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.7	8.1
100	3.3	1.9	5.7





#25

Ethyl Acetate

Concen: 0.52 ppbv

RT: 6.73 min Scan# 597

Delta R.T. 0.02 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

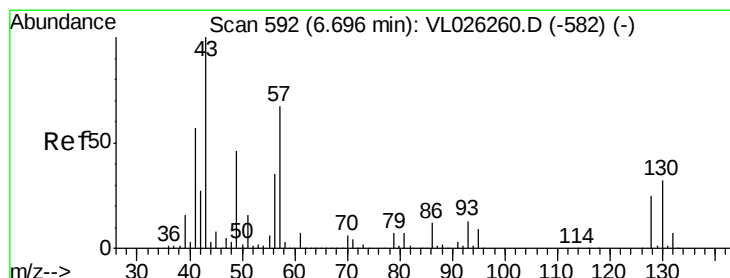
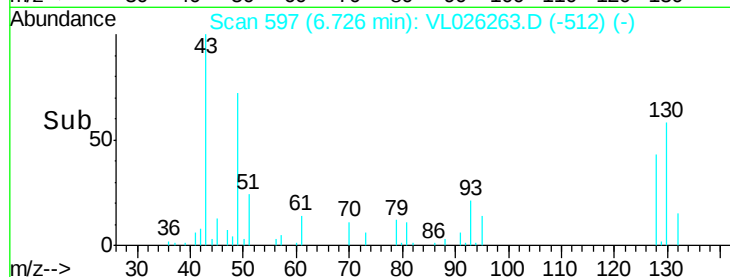
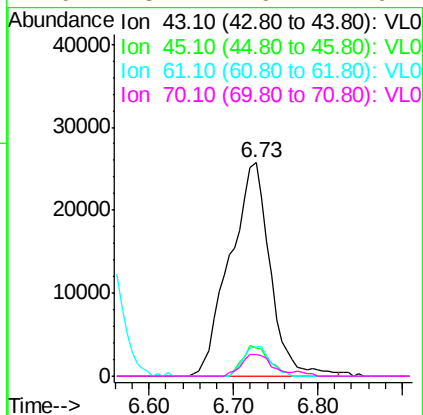
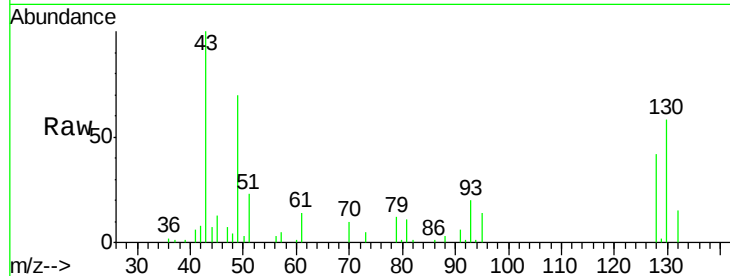
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	83542
Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.6	11.4
61	9.1	7.4	11.2
70	8.4	6.7	10.1

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#26

Hexane

Concen: 0.51 ppbv

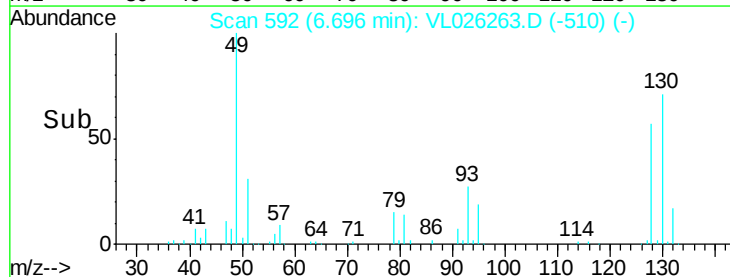
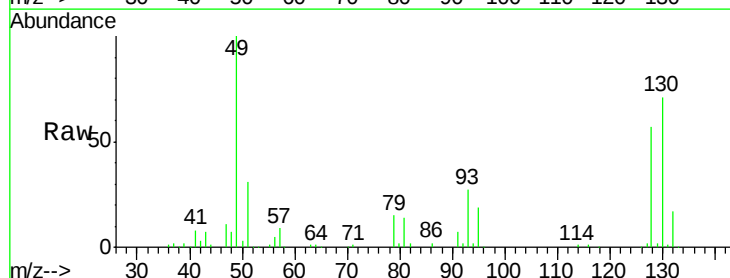
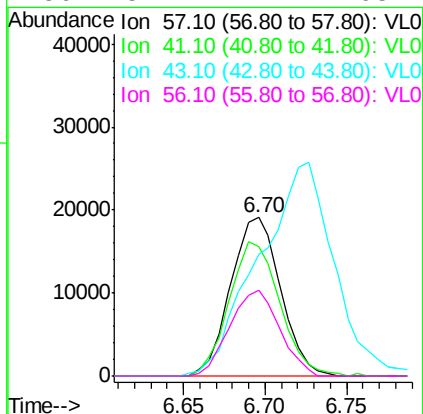
RT: 6.70 min Scan# 592

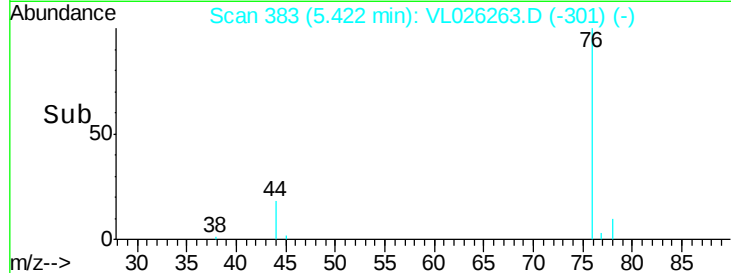
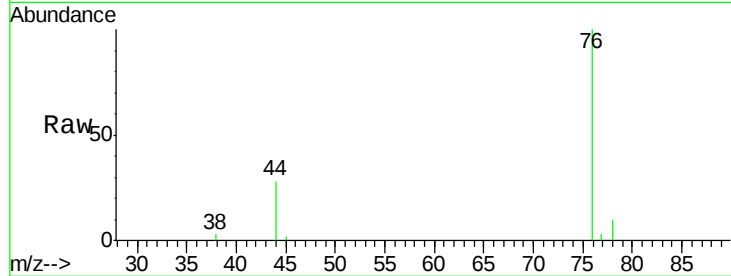
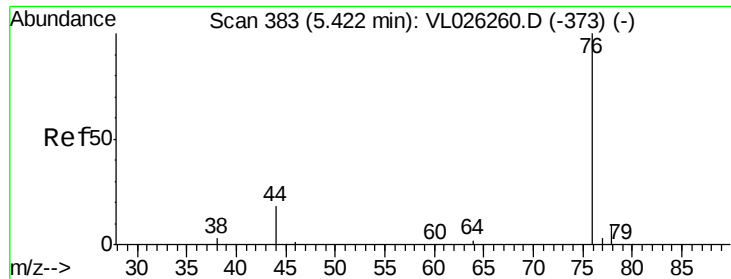
Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion	57	Resp	40631
Ion	Ratio	Lower	Upper
57	100		
41	86.4	67.4	101.2
43	206.8	163.9	245.9
56	54.1	42.2	63.2





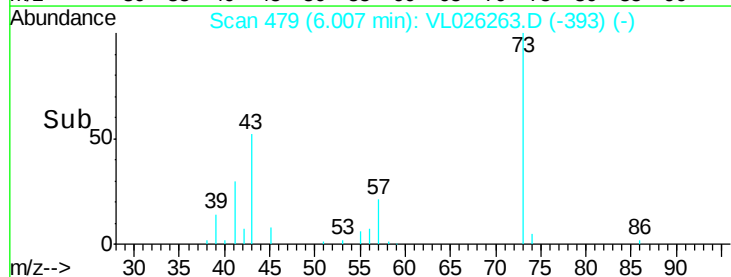
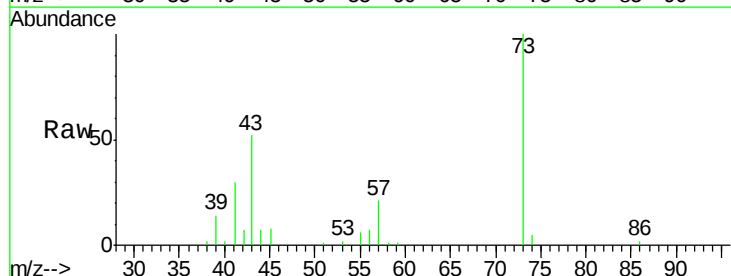
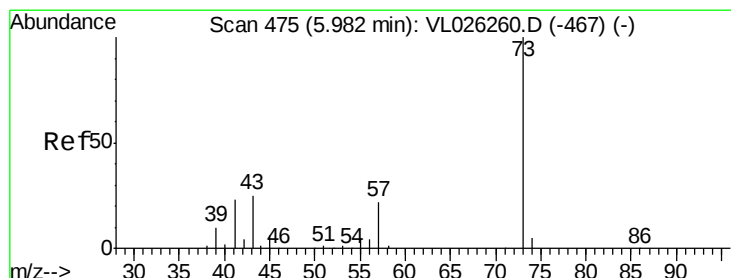
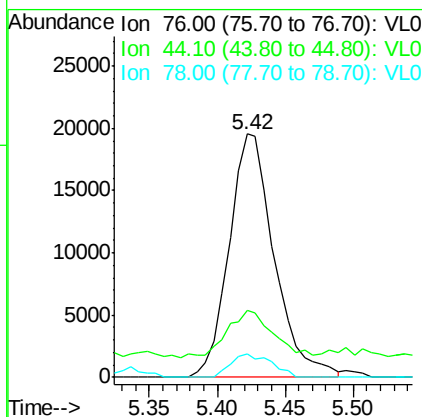
#27
Carbon Disulfide
Concen: 0.46 ppbv
RT: 5.42 min Scan# 383
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tot Ion	Ratio	Lower	Upper
76	100		
44	29.5	14.1	21.1#
78	8.7	7.4	11.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

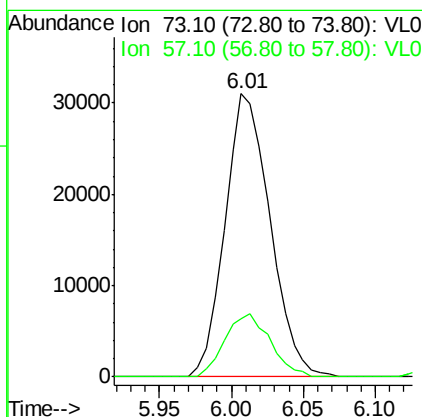
Manual Integrations
APPROVED

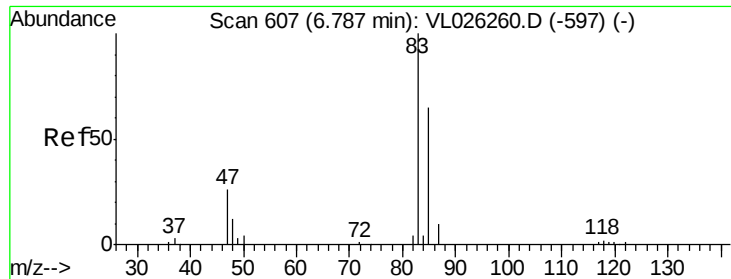
Mmdadoda
10/30/2015 12:06:34 PM



#28
Methyl tert-Butyl Ether
Concen: 0.47 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.8	26.6





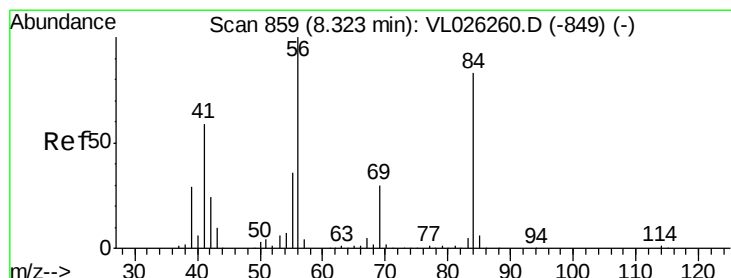
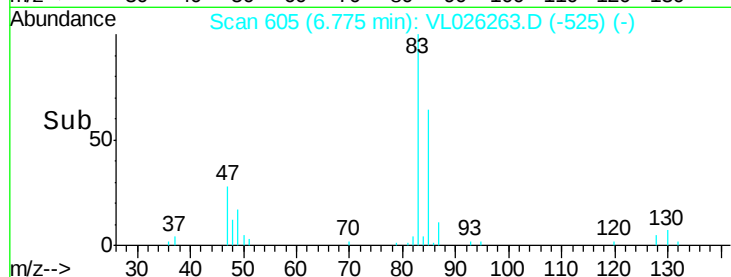
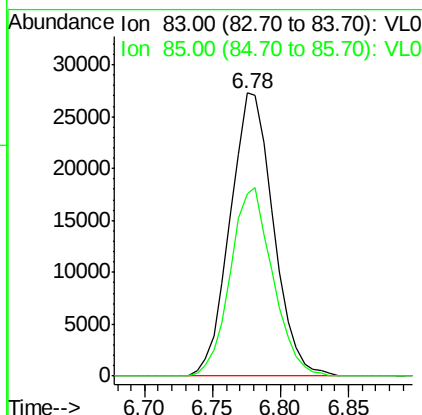
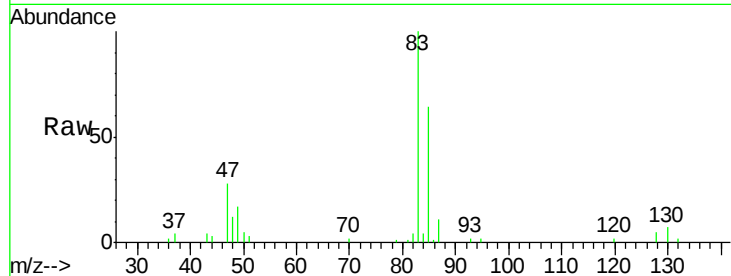
#29
Chloroform
Concen: 0.52 ppbv
RT: 6.78 min Scan# 605
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 60646
Ion Ratio Lower Upper
83 100
85 64.4 52.0 78.0

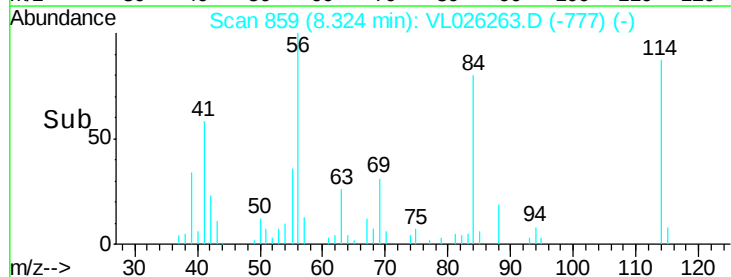
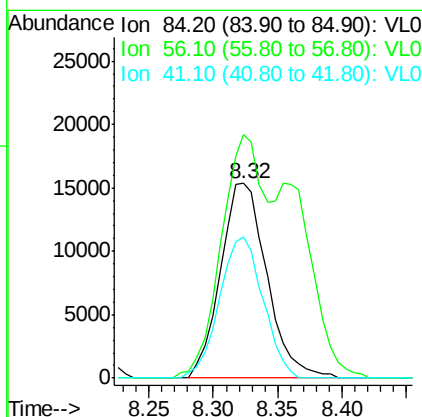
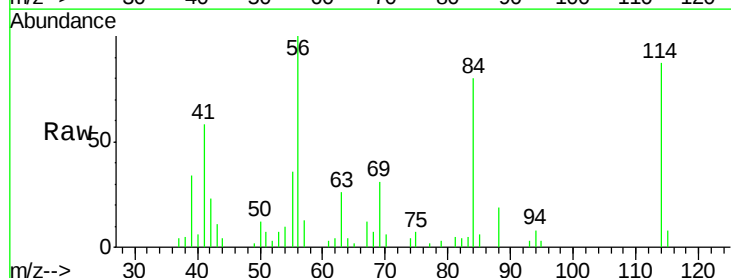
Manual Integrations
APPROVED

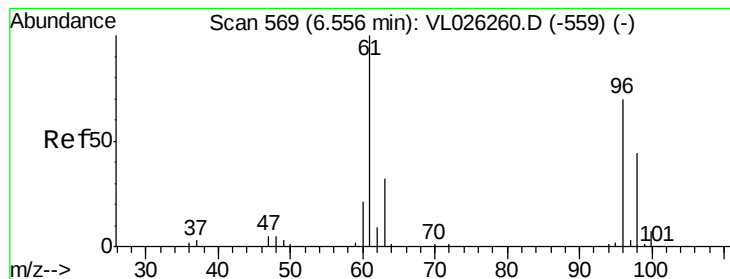
Mmdadoda
10/30/2015 12:06:34 PM



#30
Cyclohexane
Concen: 0.48 ppbv
RT: 8.32 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 84 Resp: 38584
Ion Ratio Lower Upper
84 100
56 199.3 99.6 149.4#
41 67.9 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 0.48 ppbv

RT: 6.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

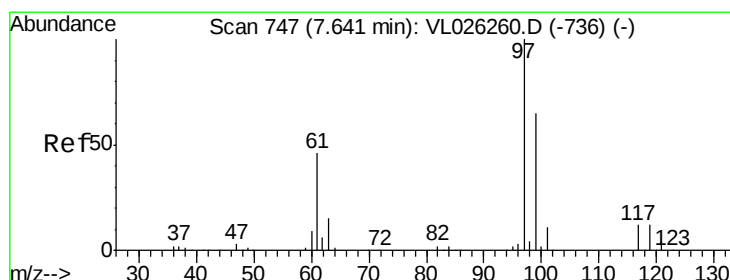
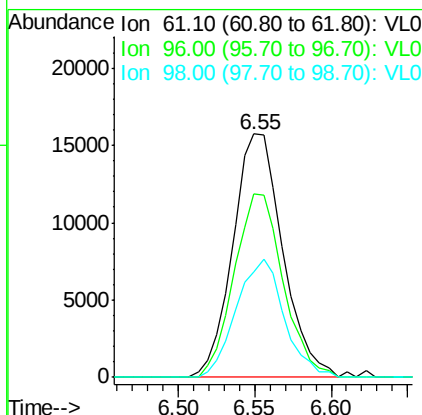
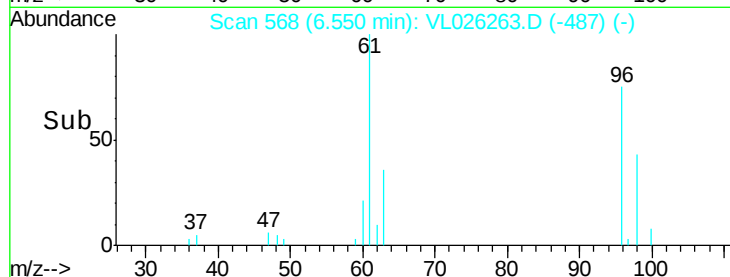
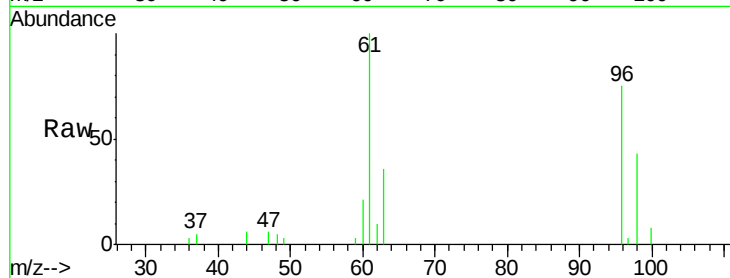
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	35578
Ion	Ratio	Lower	Upper
61	100		
96	75.1	56.2	84.4
98	43.4	35.4	53.2

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#32

1,1,1-Trichloroethane

Concen: 0.46 ppbv

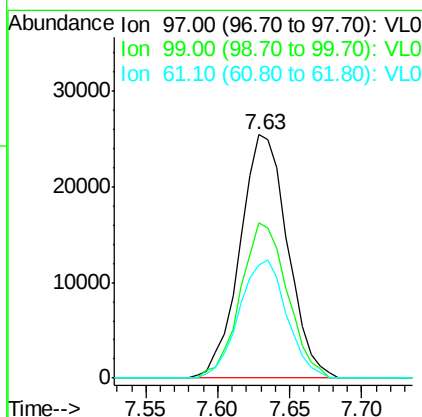
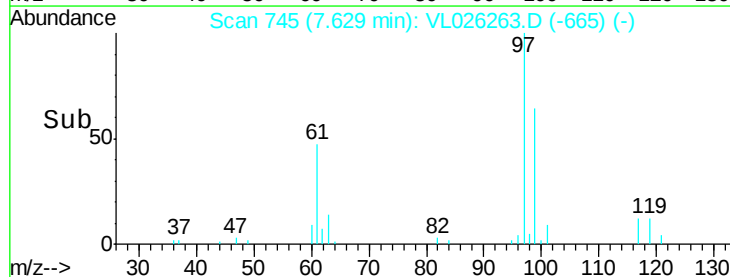
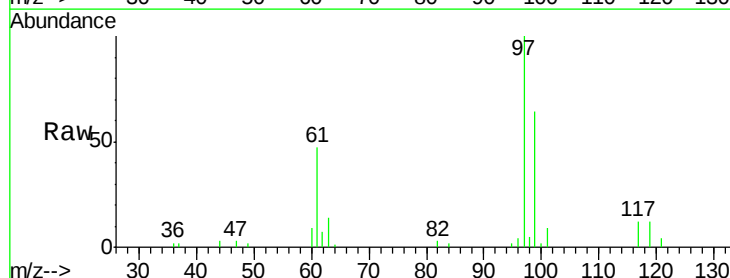
RT: 7.63 min Scan# 745

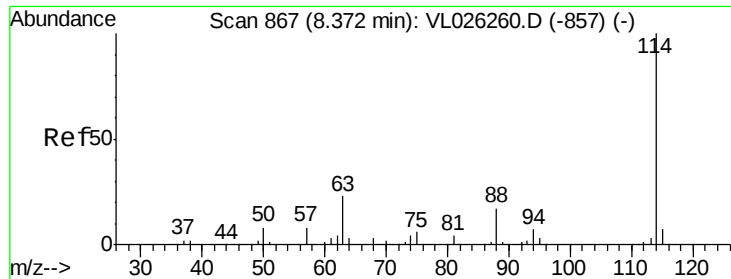
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	97	Resp:	58420
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.6
61	48.2	37.1	55.7





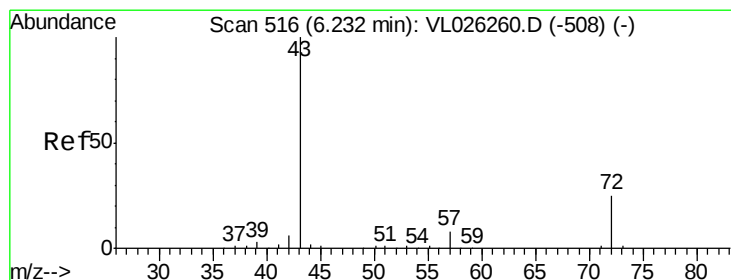
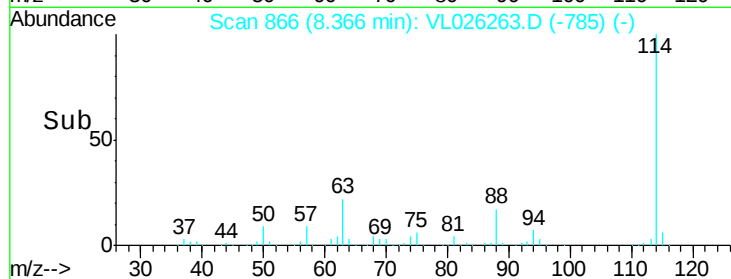
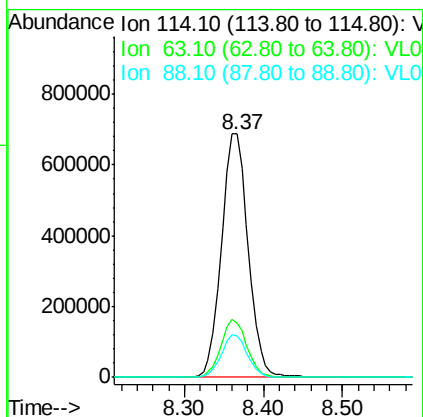
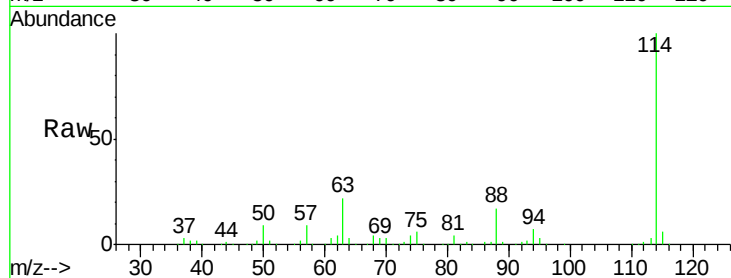
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 1622290
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.6 28.0
 88 17.1 13.4 20.2

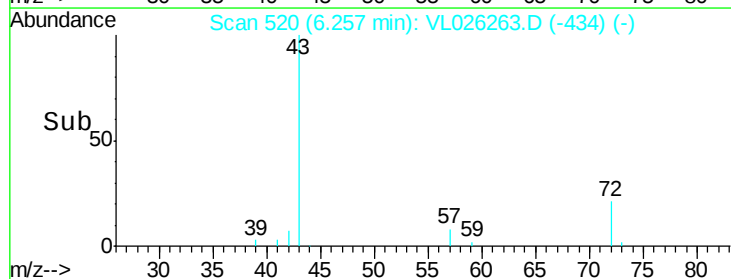
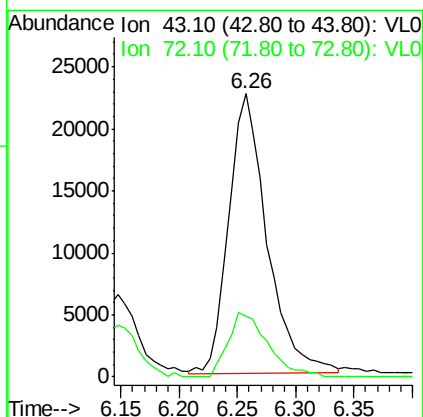
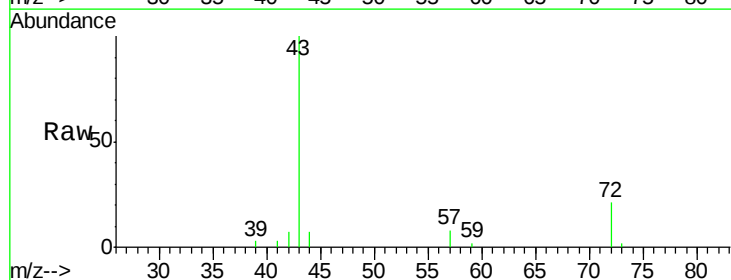
Manual Integrations
 APPROVED

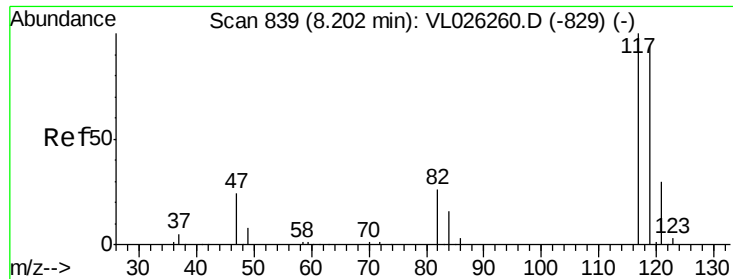
Mmdadoda
 10/30/2015 12:06:34 PM



#34
 2-Butanone
 Concen: 0.55 ppbv
 RT: 6.26 min Scan# 520
 Delta R.T. 0.02 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 52113
 Ion Ratio Lower Upper
 43 100
 72 23.7 19.9 29.9





#35

Carbon Tetrachloride

Concen: 0.46 ppbv

RT: 8.20 min Scan# 839

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

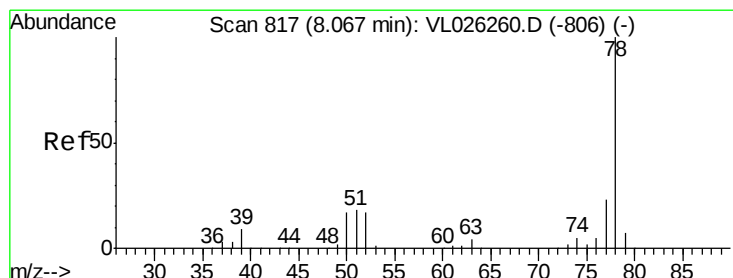
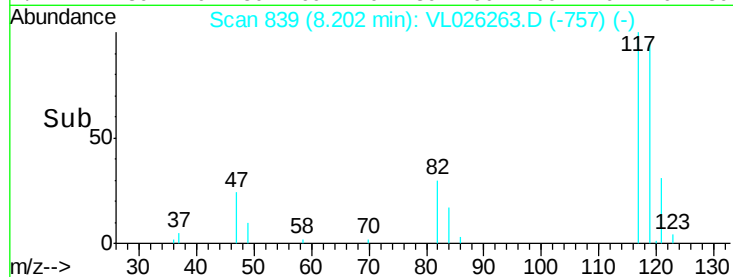
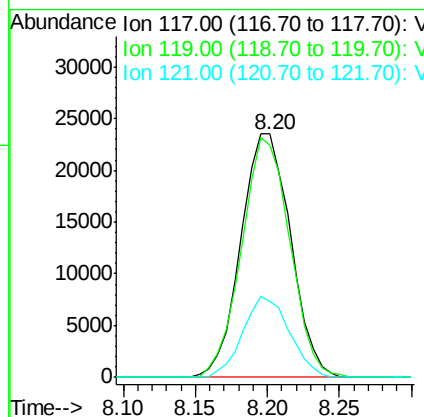
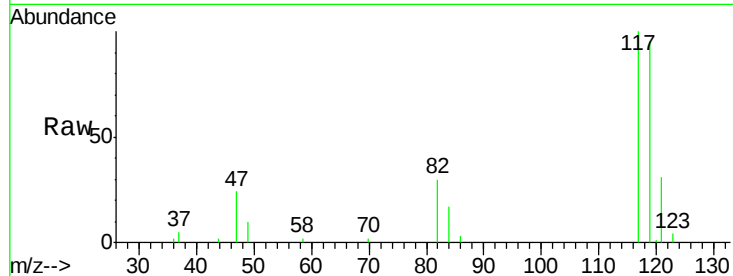
ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 56400
 Ion Ratio Lower Upper
 117 100
 119 95.4 75.2 112.8
 121 31.0 24.2 36.2

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:34 PM



#36

Benzene

Concen: 0.54 ppbv

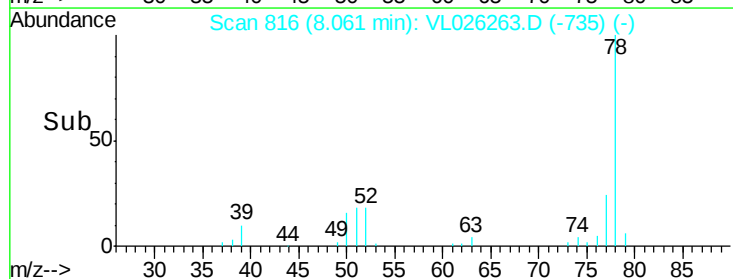
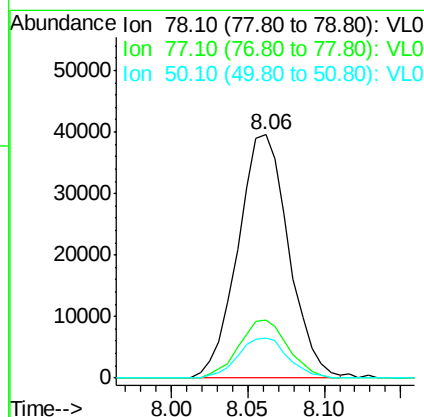
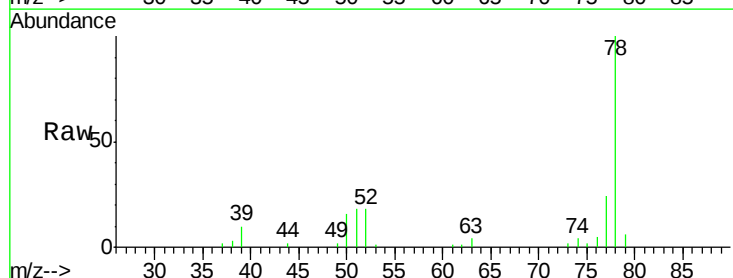
RT: 8.06 min Scan# 816

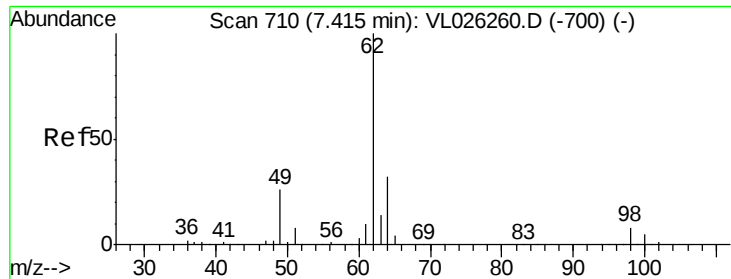
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion: 78 Resp: 91122
 Ion Ratio Lower Upper
 78 100
 77 23.9 18.0 27.0
 50 16.2 13.3 19.9





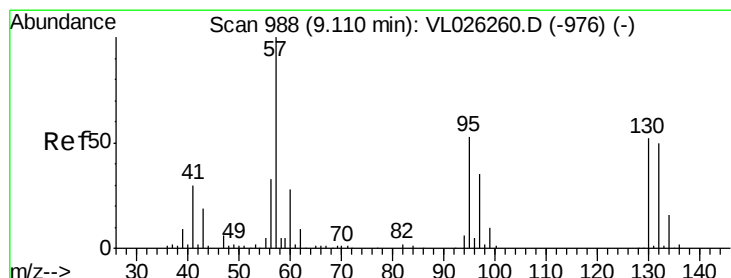
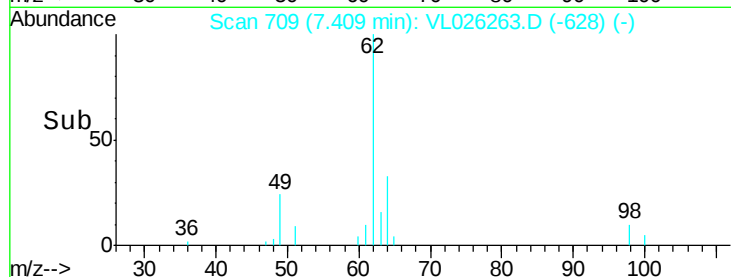
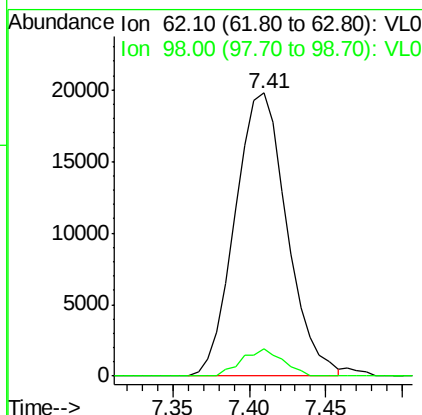
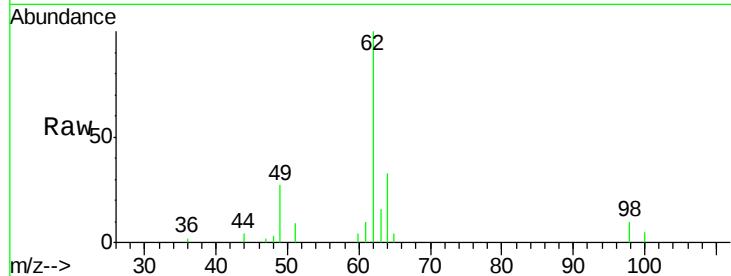
#37
 1,2-Dichloroethane
 Concen: 0.53 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.3	9.5

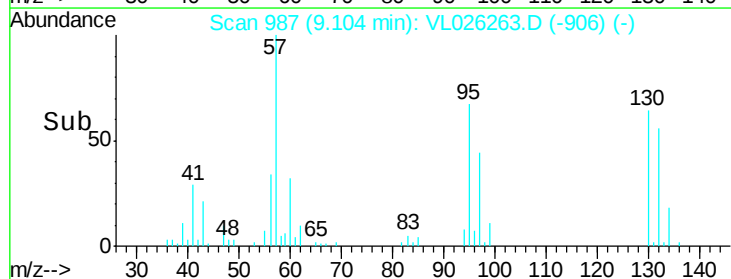
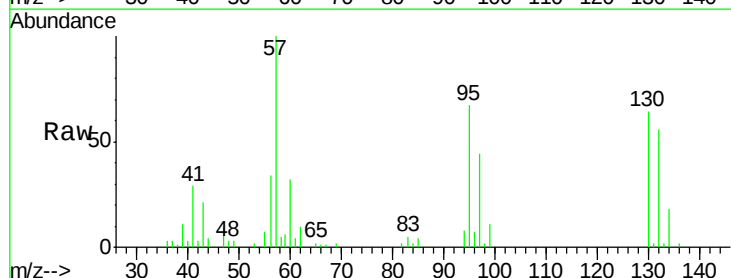
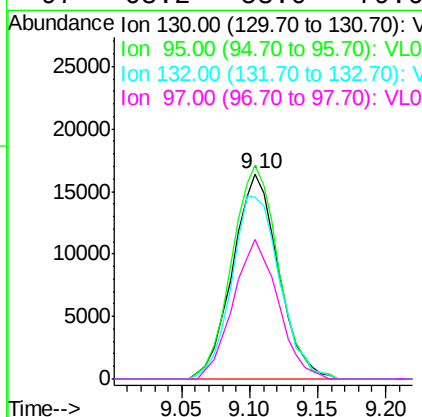
Manual Integrations
 APPROVED

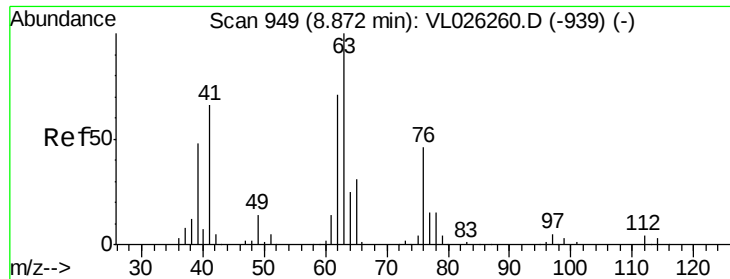
Mmdadoda
 10/30/2015 12:06:34 PM



#38
 Trichloroethene
 Concen: 0.48 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	80.8	121.2
132	88.2	76.2	114.2
97	68.2	53.0	79.6





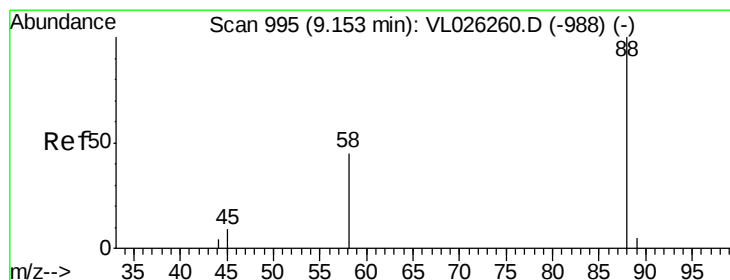
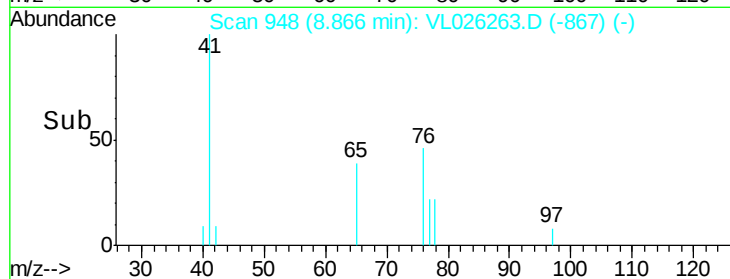
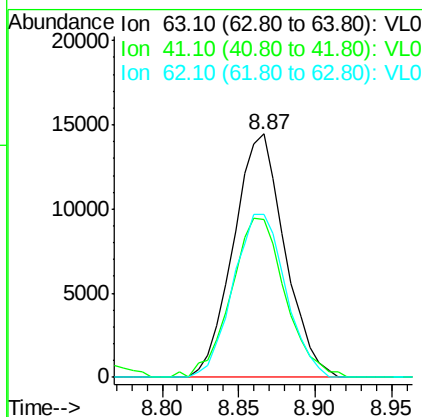
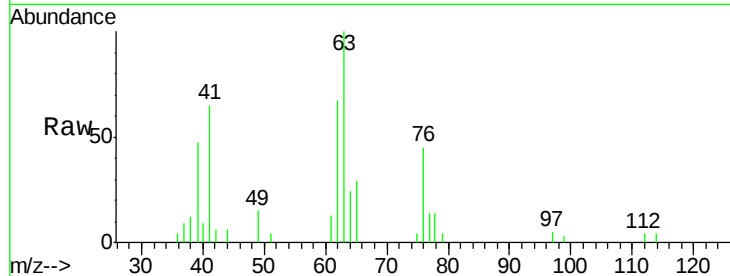
#39
 1,2-Dichloropropane
 Concen: 0.55 ppbv
 RT: 8.87 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.7	53.2	79.8
62	67.0	57.1	85.7

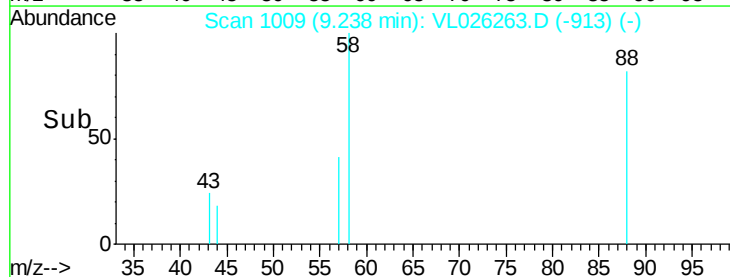
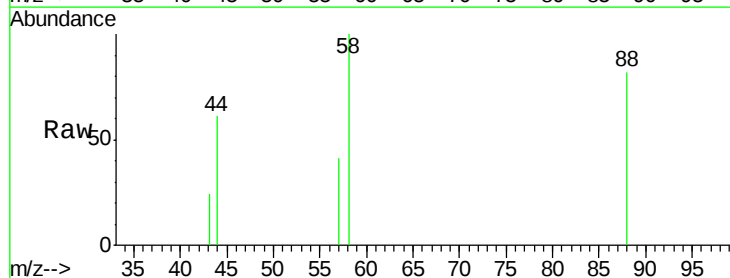
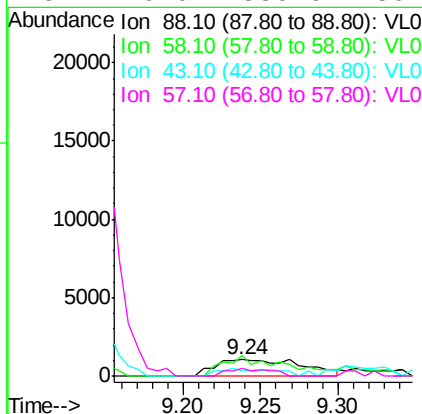
Manual Integrations
 APPROVED

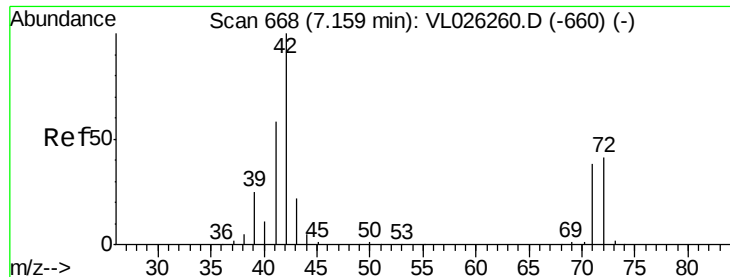
Mmdadoda
 10/30/2015 12:06:34 PM



#40
 1,4-Dioxane
 Concen: 0.44 ppbv m
 RT: 9.24 min Scan# 1009
 Delta R.T. 0.09 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	109.0	126.2	189.2#
43	0.0	307.3	460.9#
57	0.0	1536.6	2304.8#





#41

Tetrahydrofuran

Concen: 0.50 ppbv

RT: 7.20 min Scan# 674

Delta R.T. 0.04 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

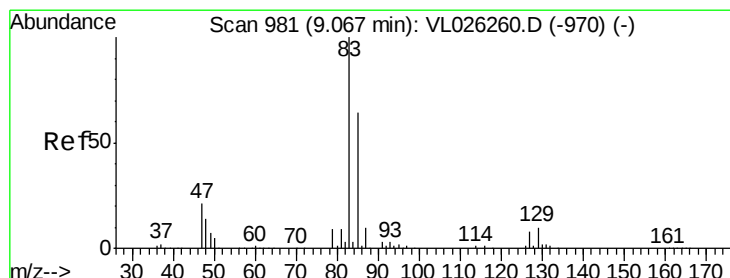
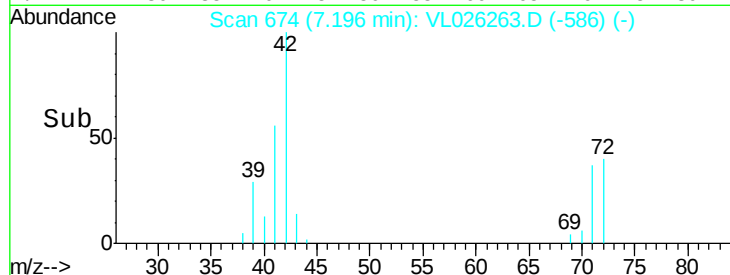
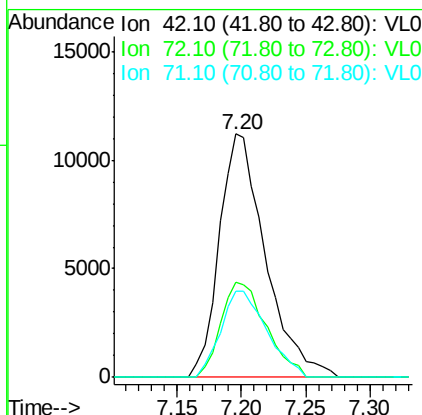
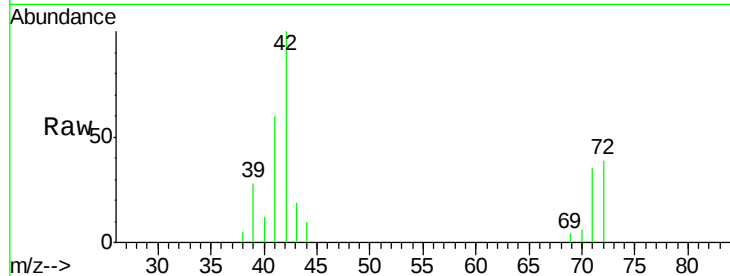
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	28005
Ion	Ratio	Lower	Upper
42	100		
72	38.3	32.2	48.4
71	35.3	30.4	45.6

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#42

Bromodichloromethane

Concen: 0.48 ppbv

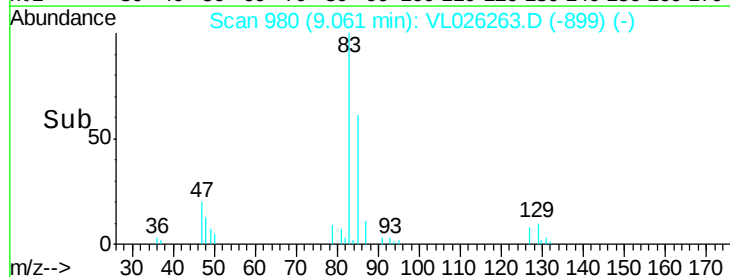
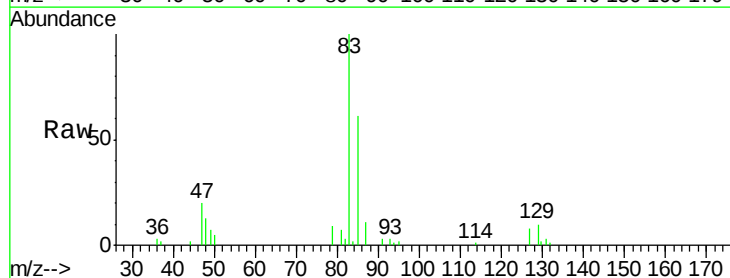
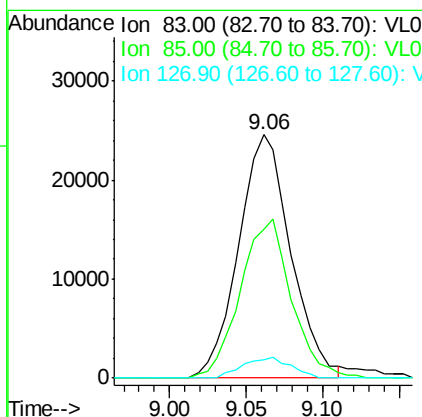
RT: 9.06 min Scan# 980

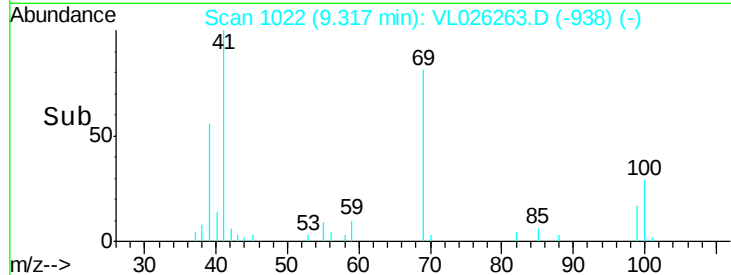
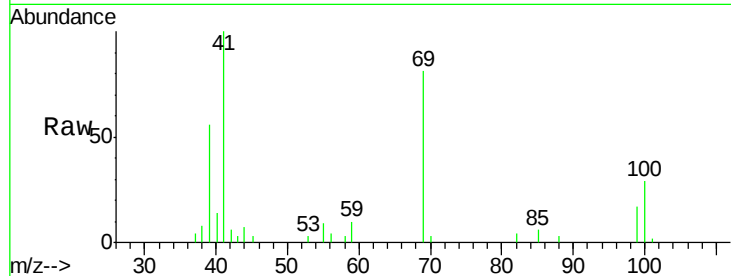
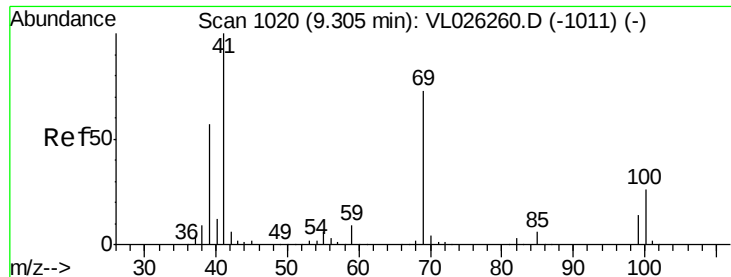
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	83	Resp:	58299
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.2	76.8
127	7.7	6.2	9.4





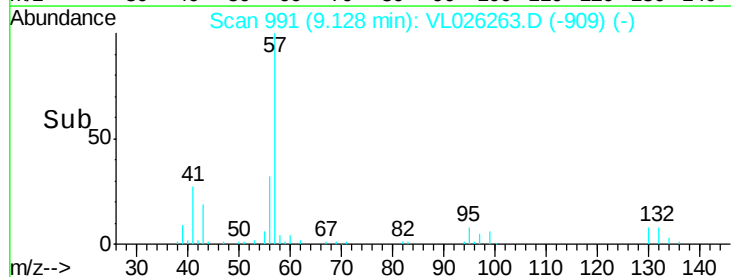
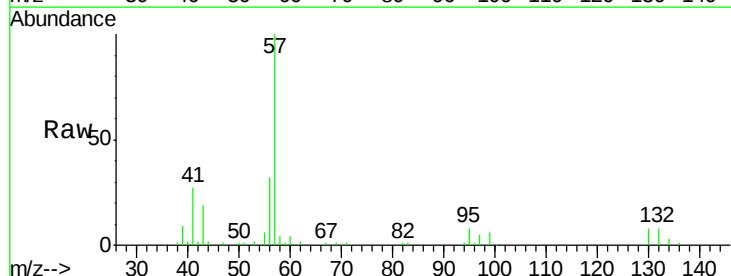
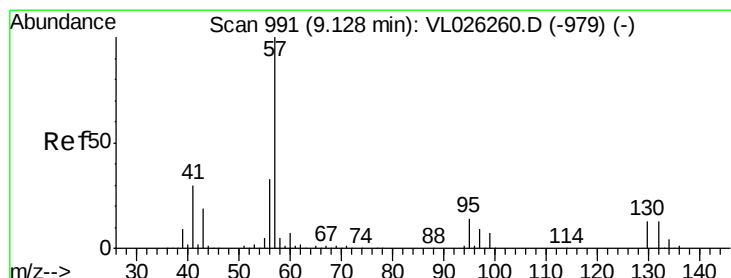
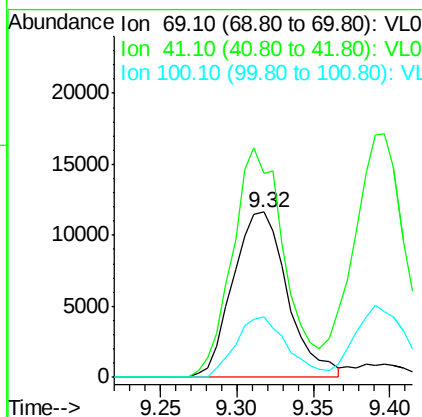
#43
Methvl Methacrilate
Concen: 0.47 ppbv
RT: 9.32 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tot Ion: 69 Resp: 28972
Ion Ratio Lower Upper
69 100
41 129.0 110.0 165.0
100 33.4 28.6 43.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

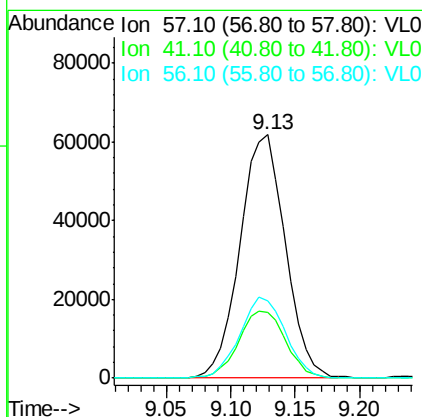
Manual Integrations
APPROVED

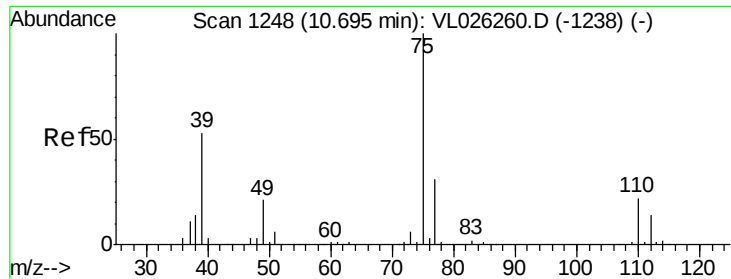
Mmdadoda
10/30/2015 12:06:34 PM



#44
2,2,4-Trimethylpentane
Concen: 0.54 ppbv
RT: 9.13 min Scan# 991
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 57 Resp: 150992
Ion Ratio Lower Upper
57 100
41 28.7 23.1 34.7
56 33.4 26.3 39.5





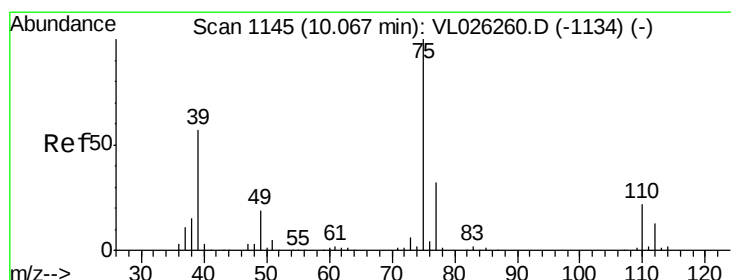
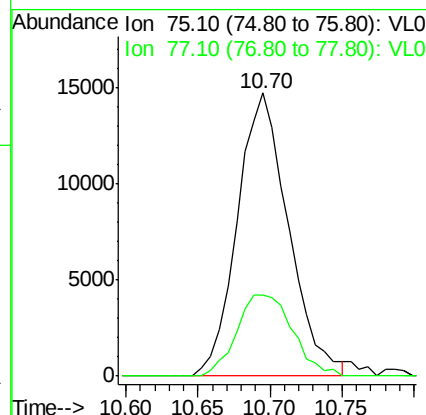
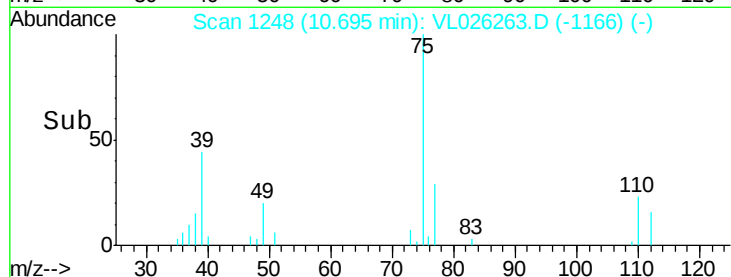
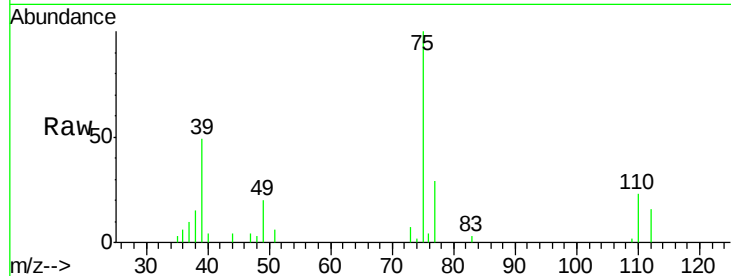
#45
t-1,3-Dichloropropene
Concen: 0.40 ppbv
RT: 10.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 36213
Ion Ratio Lower Upper
75 100
77 28.8 24.7 37.1

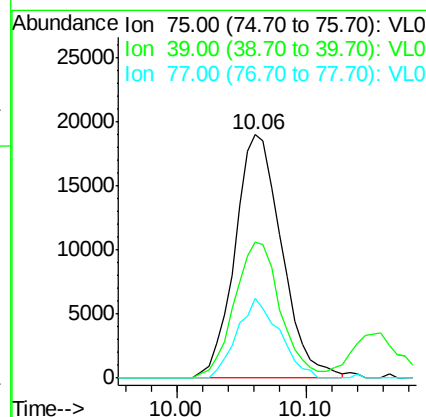
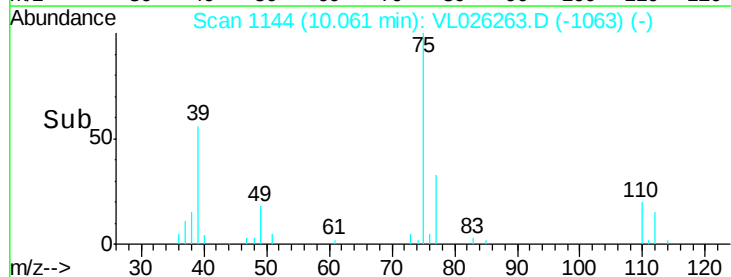
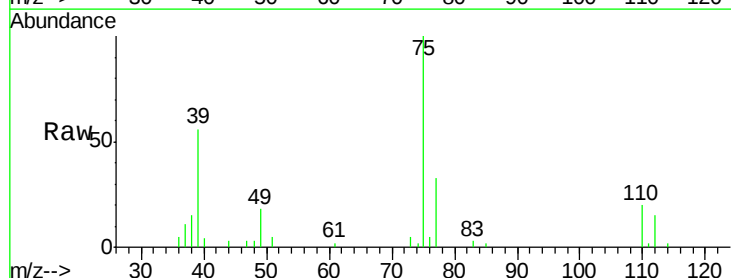
Manual Integrations
APPROVED

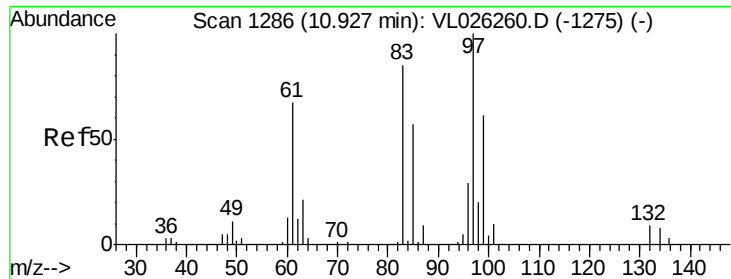
Mmdadoda
10/30/2015 12:06:34 PM



#46
cis-1,3-Dichloropropene
Concen: 0.44 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 75 Resp: 47838
Ion Ratio Lower Upper
75 100
39 55.7 45.8 68.8
77 33.0 25.3 37.9





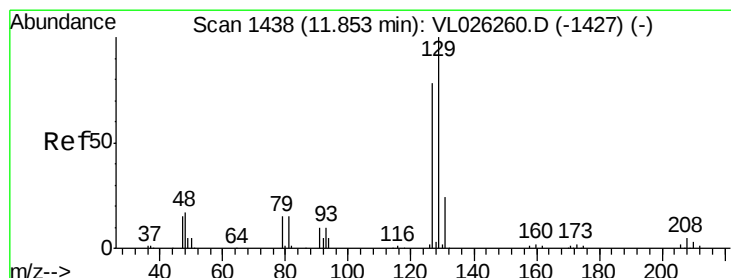
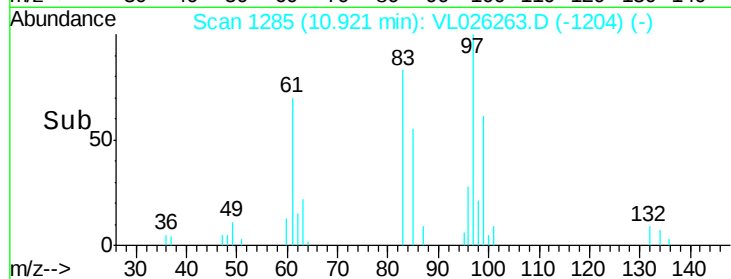
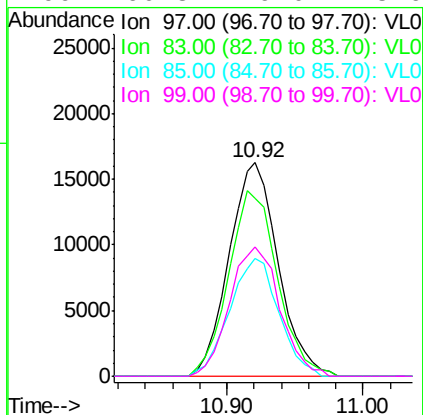
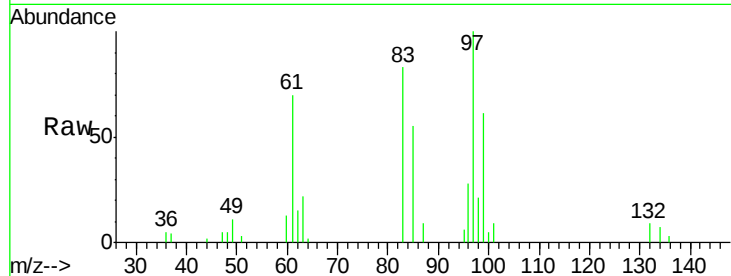
#47
 1,1,2-Trichloroethane
 Concen: 0.55 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	40848
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.9	101.9
85	54.9	45.2	67.8
99	60.8	49.0	73.6

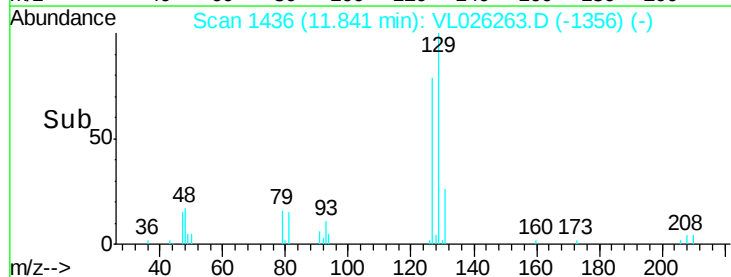
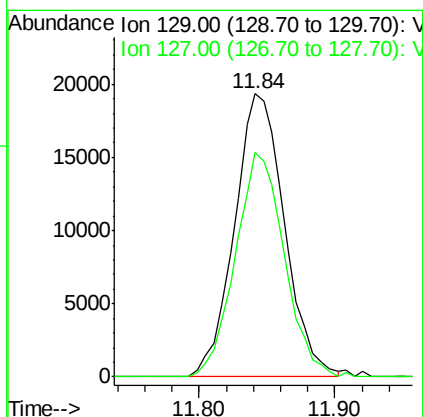
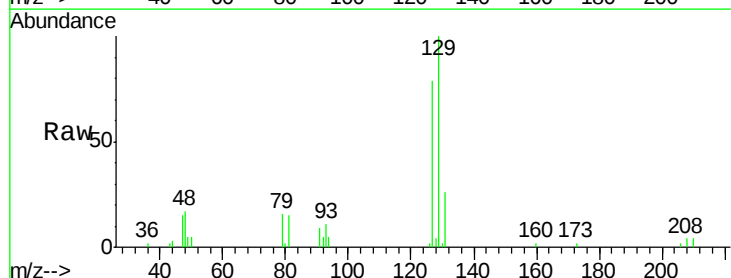
Manual Integrations
 APPROVED

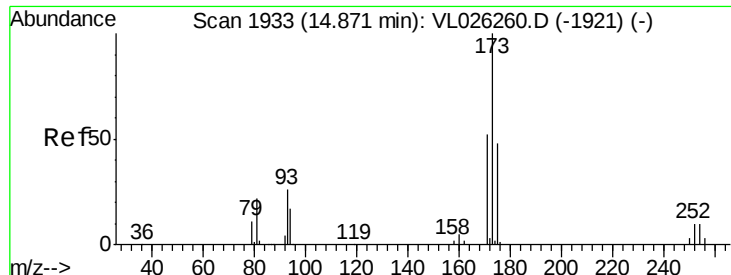
Mmdadoda
 10/30/2015 12:06:34 PM



#48
 Dibromochloromethane
 Concen: 0.44 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion:	129	Resp:	49659
Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





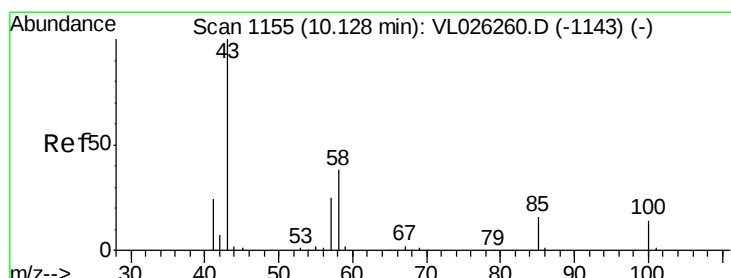
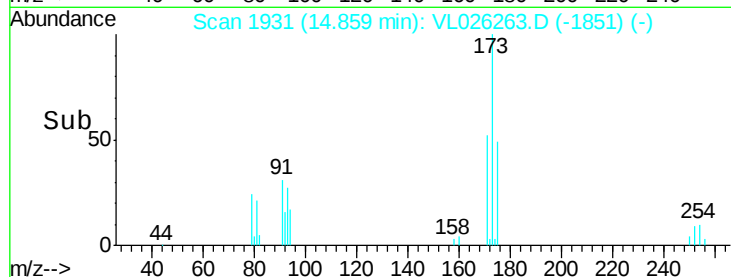
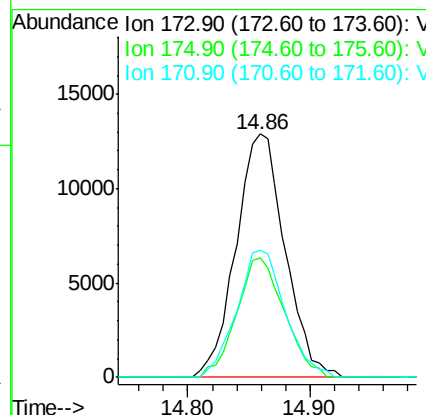
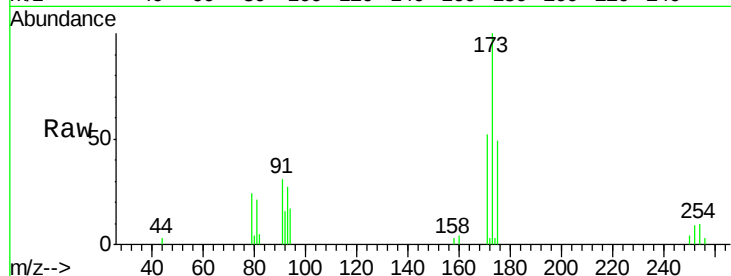
#49
Bromoform
Concen: 0.39 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.8	58.2
171	51.7	41.7	62.5

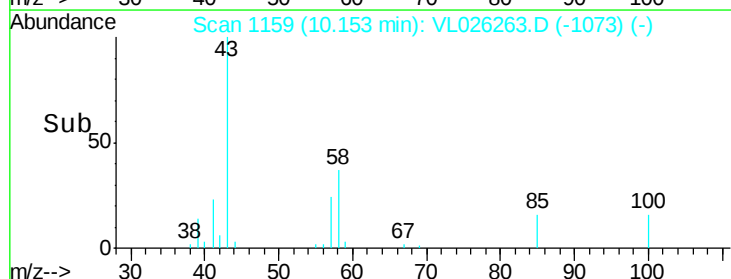
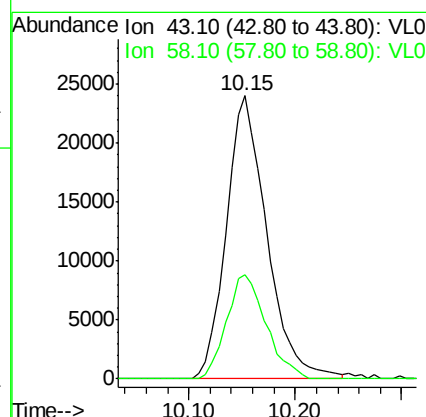
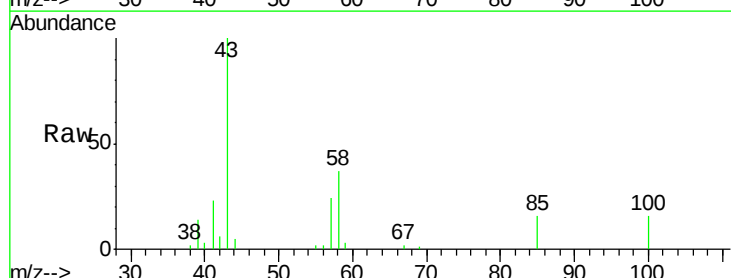
Manual Integrations
APPROVED

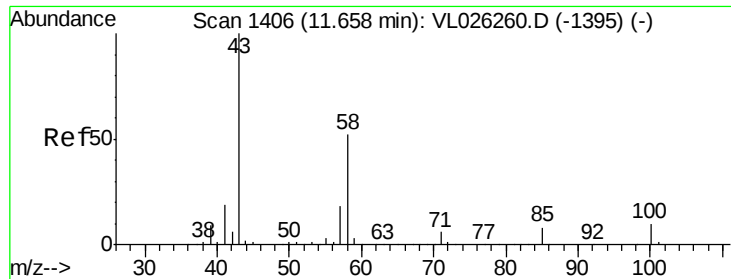
Mmdadoda
10/30/2015 12:06:34 PM



#50
4-Methyl-2-Pentanone
Concen: 0.49 ppbv
RT: 10.15 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	30.5	45.7





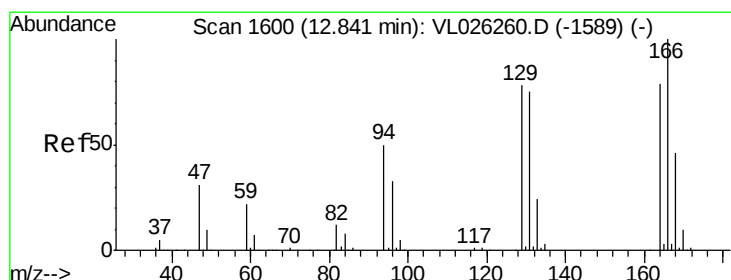
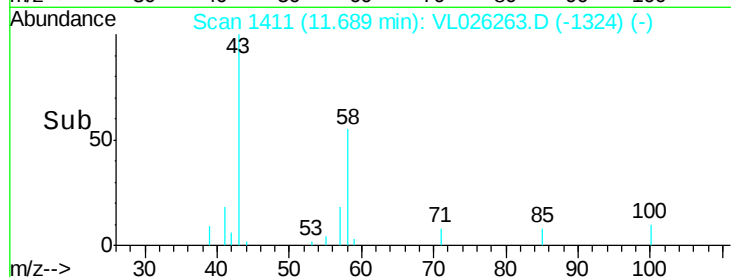
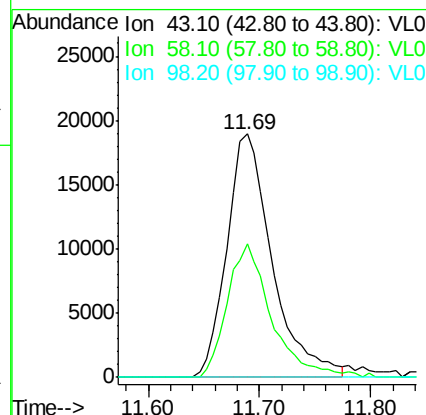
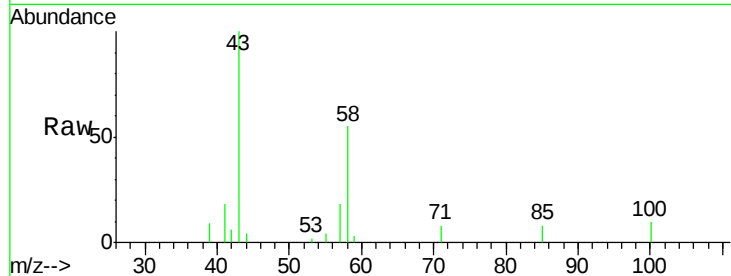
#51
2-Hexanone
Concen: 0.44 ppbv
RT: 11.69 min Scan# 1411
Delta R.T. 0.03 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.7	64.1
98	0.0	0.0	0.0

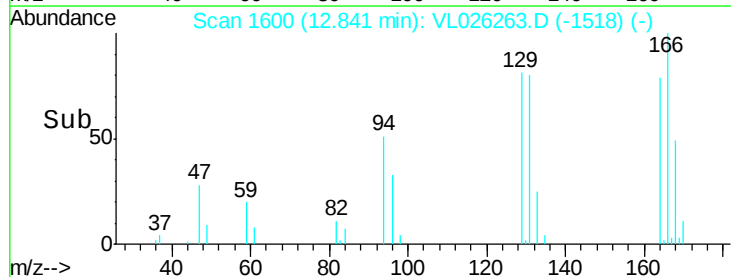
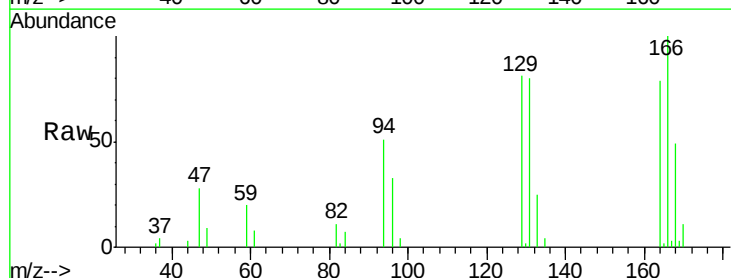
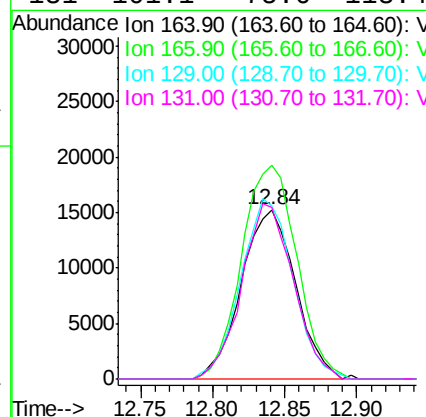
Manual Integrations
APPROVED

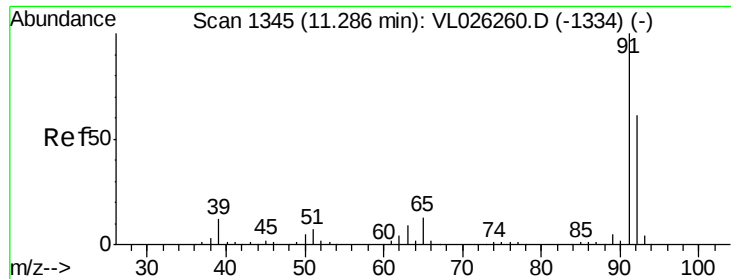
Mmdadoda
10/30/2015 12:06:34 PM



#52
Tetrachloroethene
Concen: 0.43 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.4	152.0
129	101.9	78.8	118.2
131	101.1	75.6	113.4





#53

Toluene

Concen: 0.51 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 115189

Ion Ratio Lower Upper

91 100

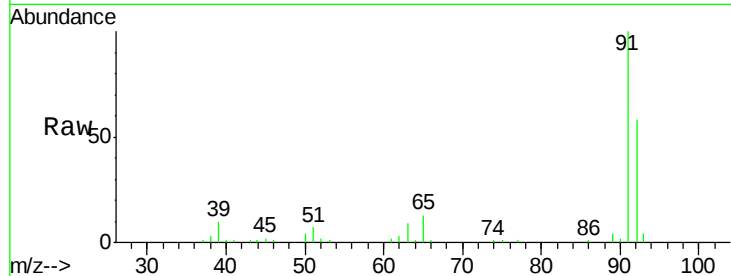
92 58.7 48.6 73.0

Manual Integrations

APPROVED

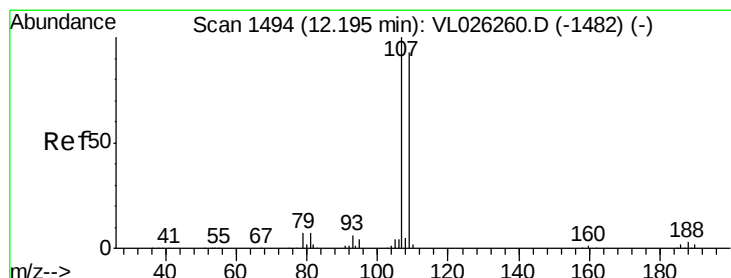
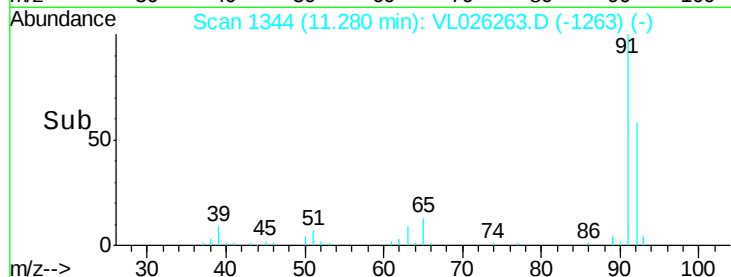
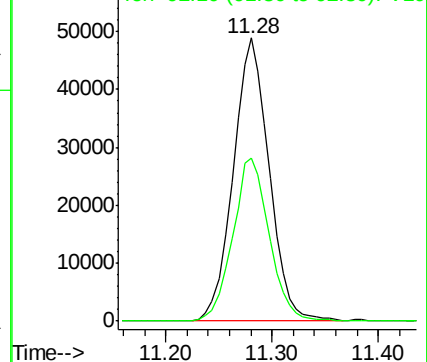
Mmdadoda

10/30/2015 12:06:34 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.52 ppbv

RT: 12.19 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL026263.D

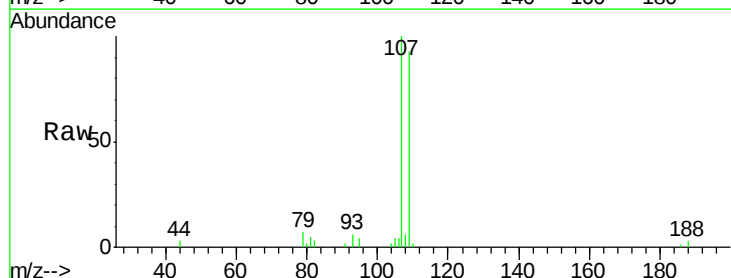
Acq: 29 Oct 2015 11:19

Tgt Ion: 107 Resp: 60030

Ion Ratio Lower Upper

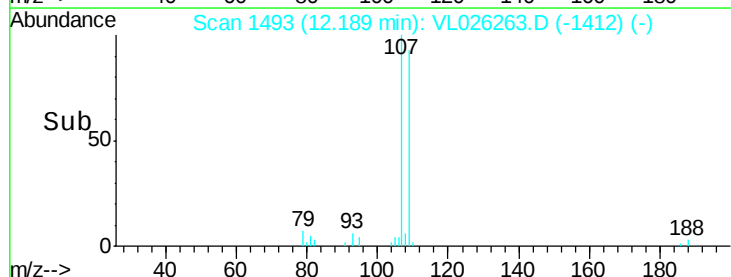
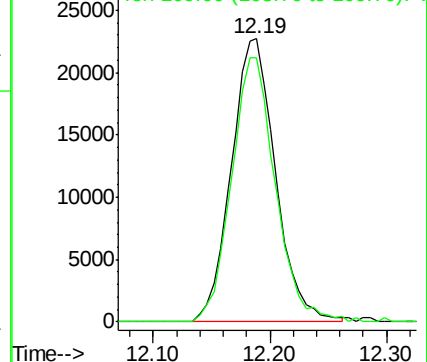
107 100

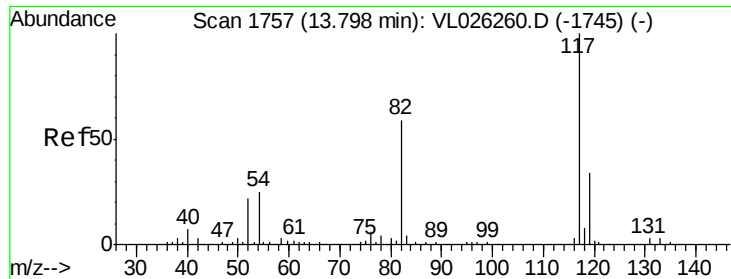
109 93.2 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





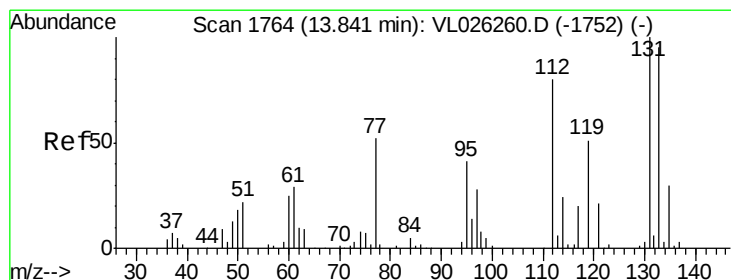
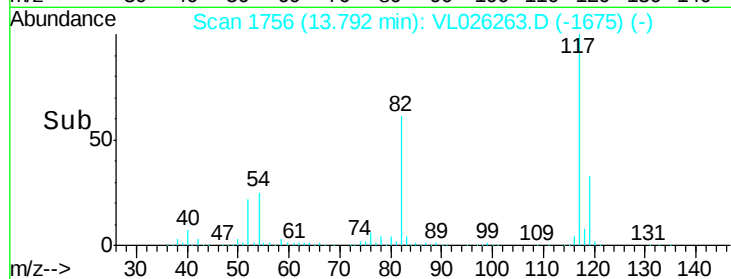
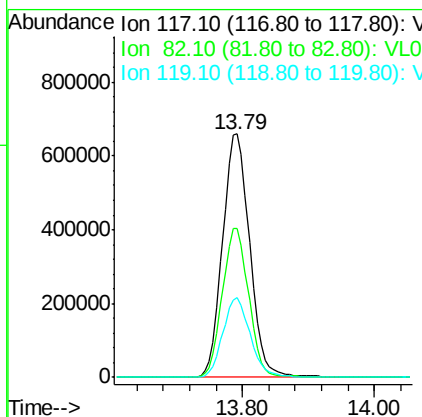
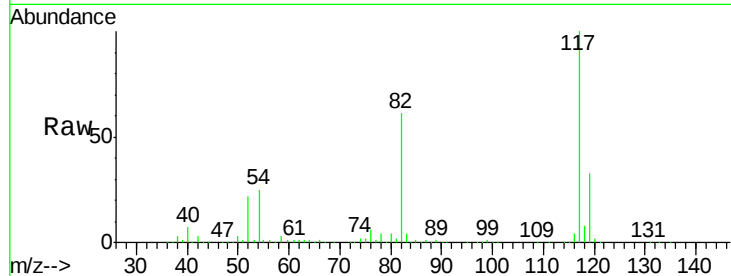
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 1879001
Ion Ratio Lower Upper
117 100
82 60.0 48.2 72.4
119 33.3 46.2 69.2#

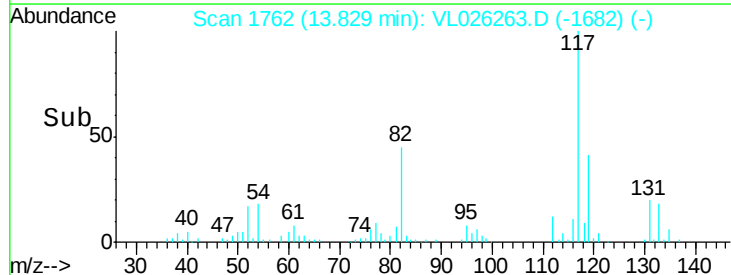
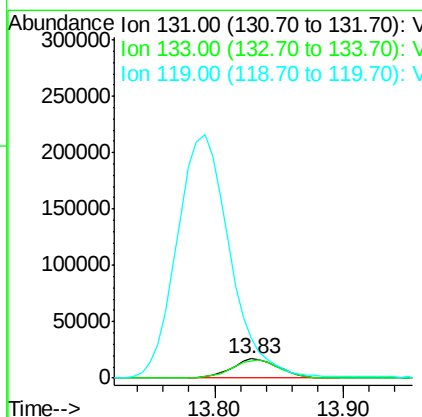
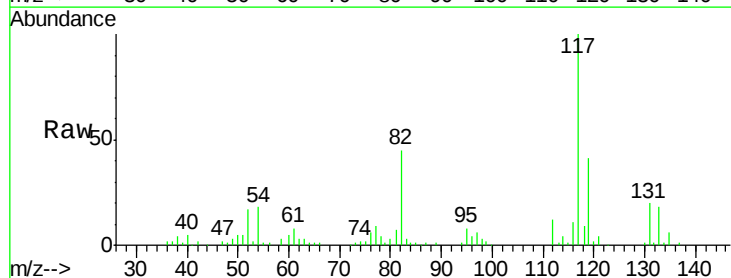
Manual Integrations
APPROVED

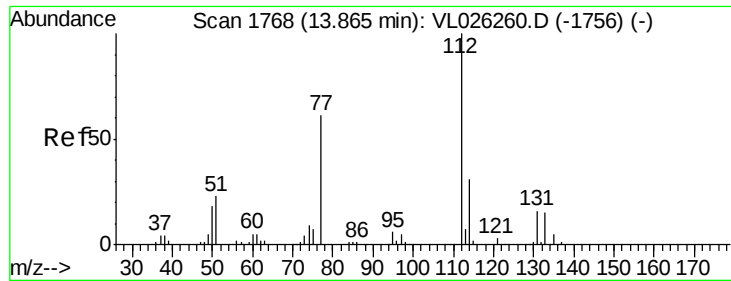
Mmdadoda
10/30/2015 12:06:34 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.48 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion:131 Resp: 43596
Ion Ratio Lower Upper
131 100
133 94.7 76.1 114.1
119 1443.3 111.3 166.9#





#57

Chlorobenzene

Concen: 0.57 ppbv

RT: 13.85 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

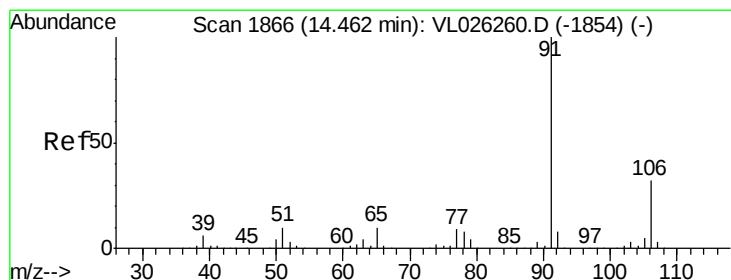
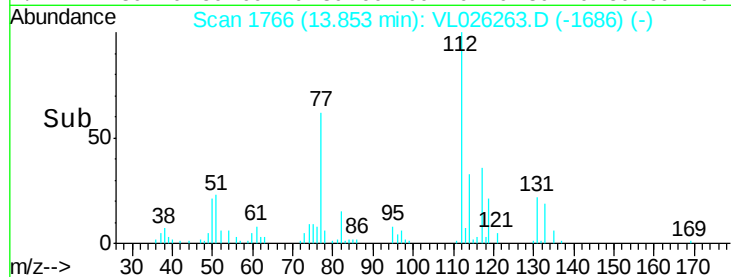
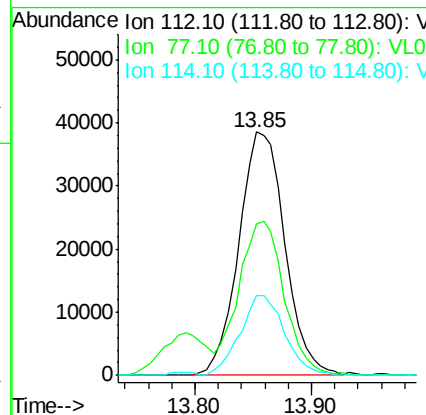
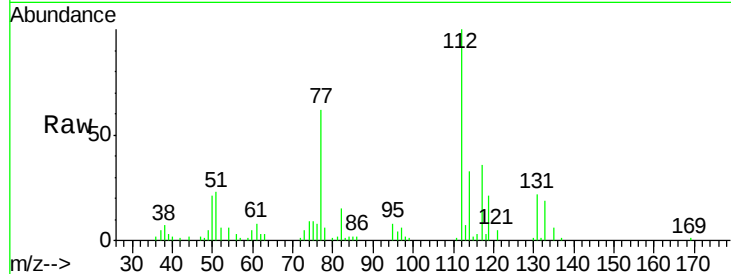
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	105990
Ion Ratio	Lower	Upper	
112	100		
77	61.0	49.4	74.0
114	32.9	27.8	34.0

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#58

Ethyl Benzene

Concen: 0.52 ppbv

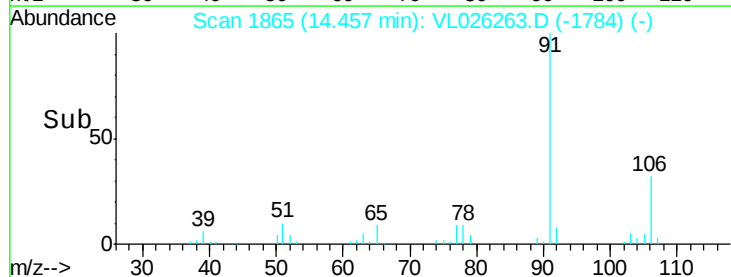
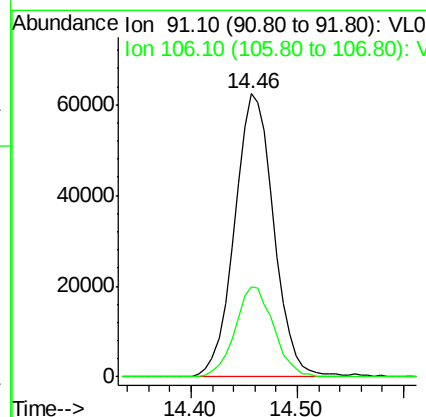
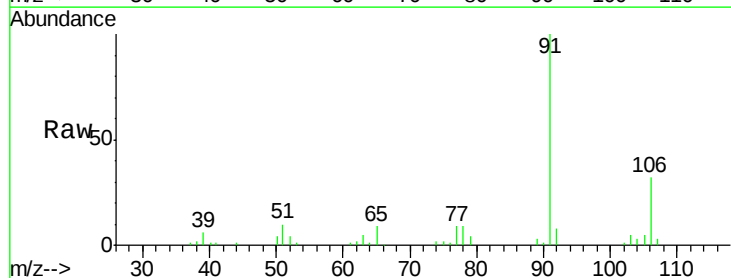
RT: 14.46 min Scan# 1865

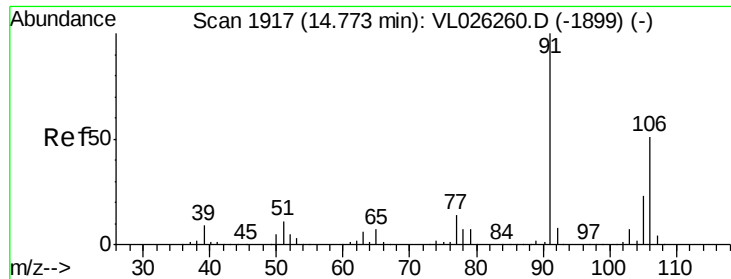
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	91	Resp:	160760
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.7	38.5





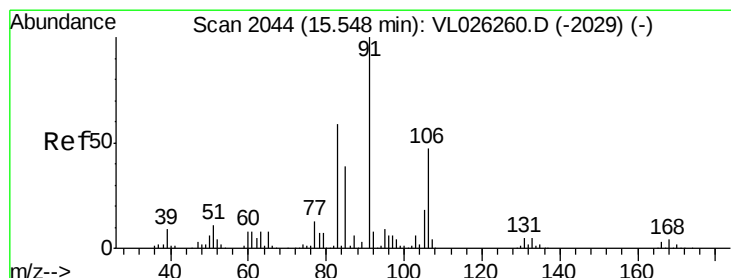
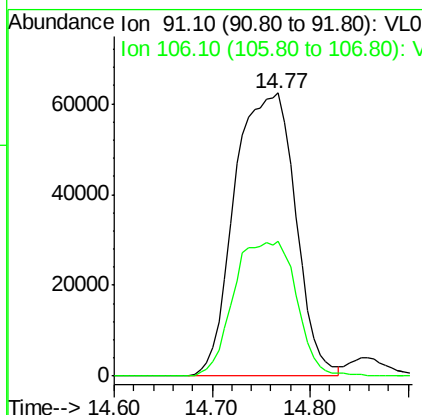
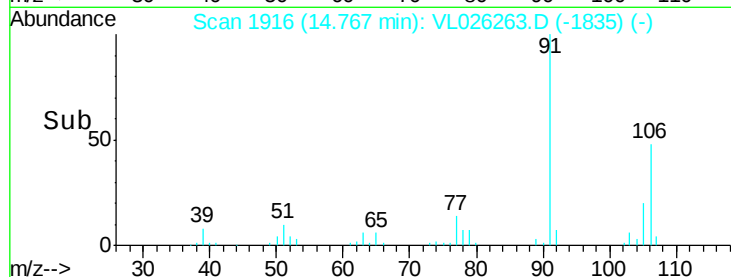
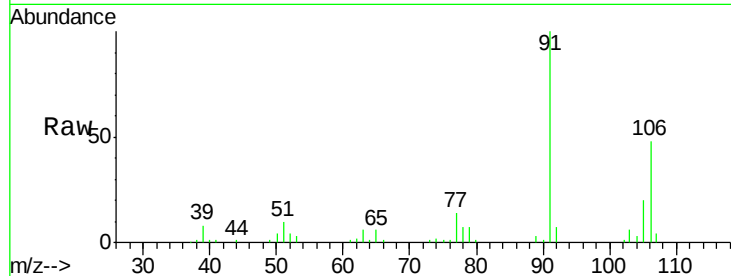
#59
m/p-Xylene
Concen: 1.10 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 268434
Ion Ratio Lower Upper
91 100
106 48.8 0.0 0.0#

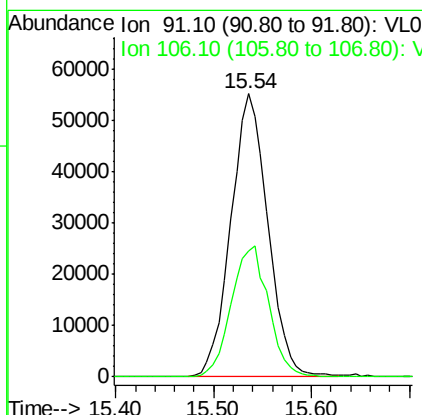
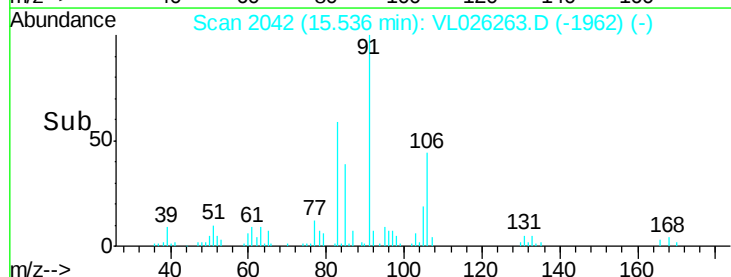
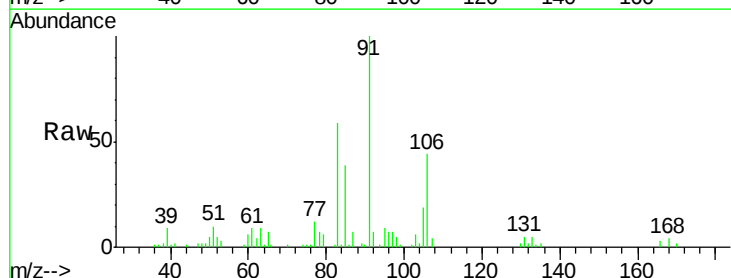
Manual Integrations
APPROVED

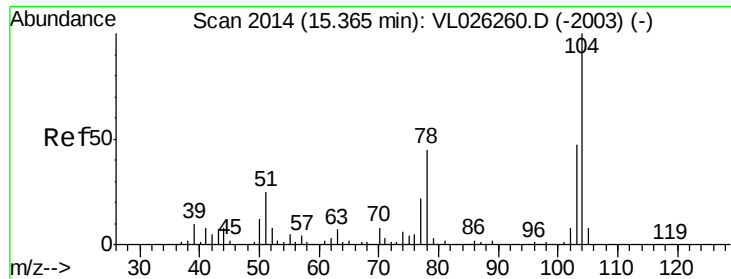
Mmdadoda
10/30/2015 12:06:34 PM



#60
o-Xylene
Concen: 0.57 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 91 Resp: 145029
Ion Ratio Lower Upper
91 100
106 46.2 23.6 70.8





#61

Stvrene

Concen: 0.44 ppbv

RT: 15.36 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

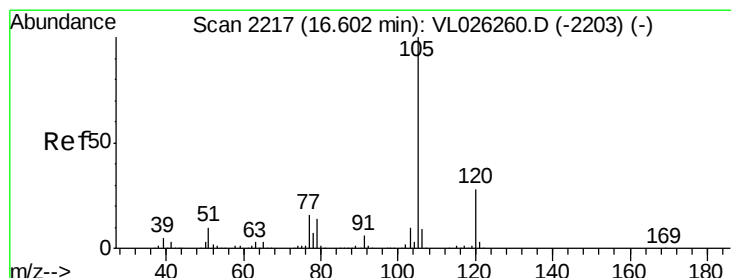
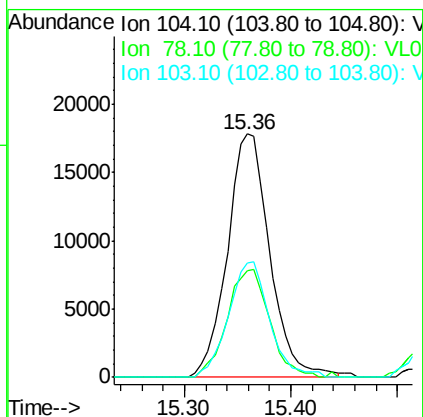
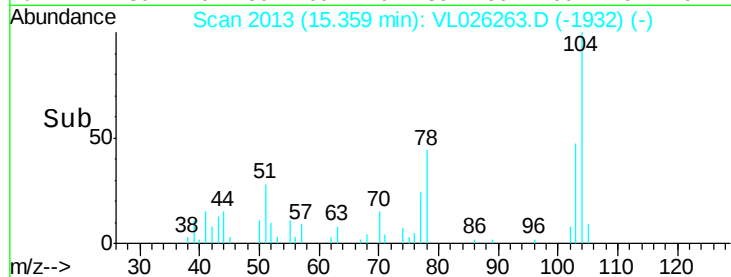
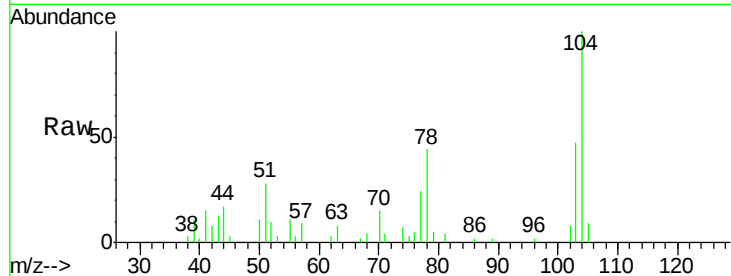
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	49759
Ion Ratio	Lower	Upper	
104	100		
78	44.6	35.5	53.3
103	45.8	37.0	55.6

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#62

Isopropylbenzene

Concen: 0.54 ppbv

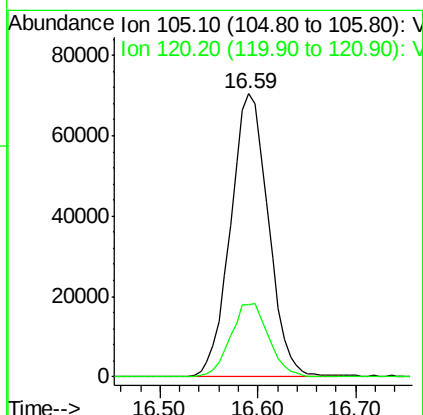
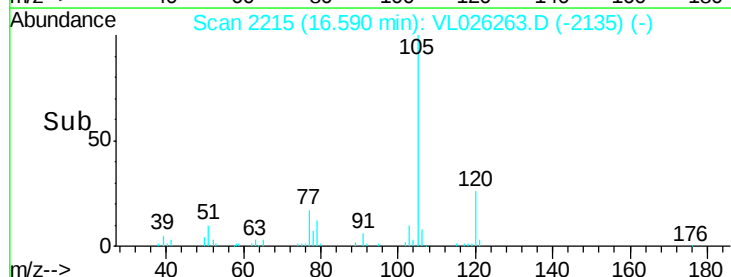
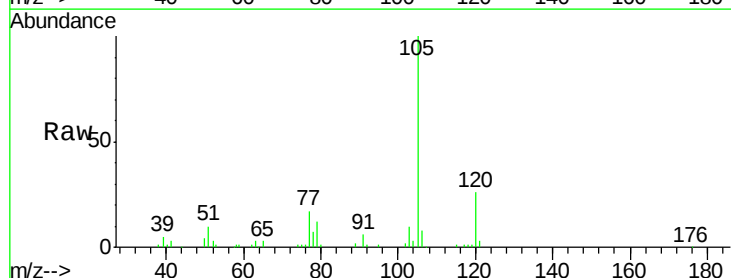
RT: 16.59 min Scan# 2215

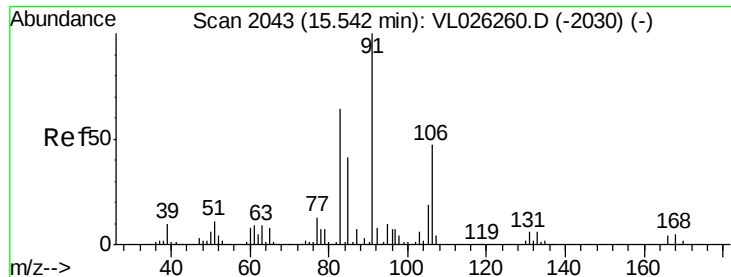
Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	105	Resp:	189385
Ion Ratio	Lower	Upper	
105	100		
120	26.1	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.58 ppbv

RT: 15.53 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

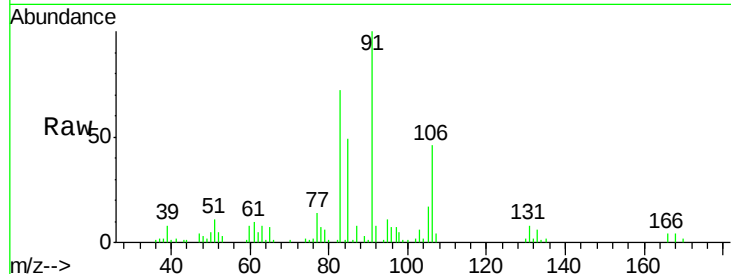
ClientSampleId :

VSTDIC0.5

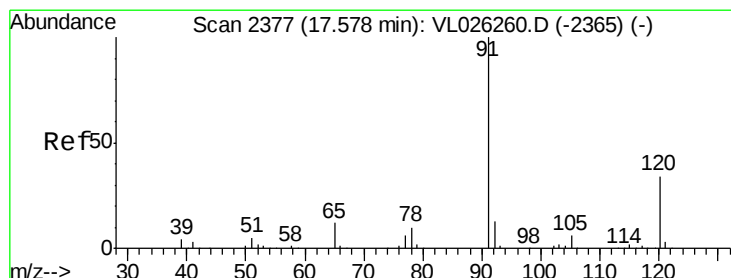
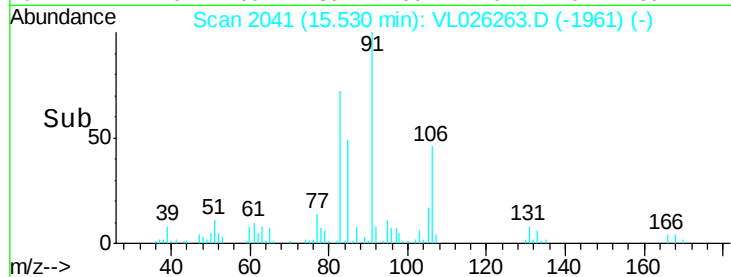
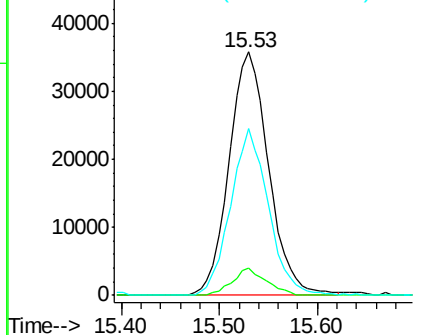
Tot Ion:	83	Resp:	100653
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	65.4	32.4	97.2

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.51 ppbv

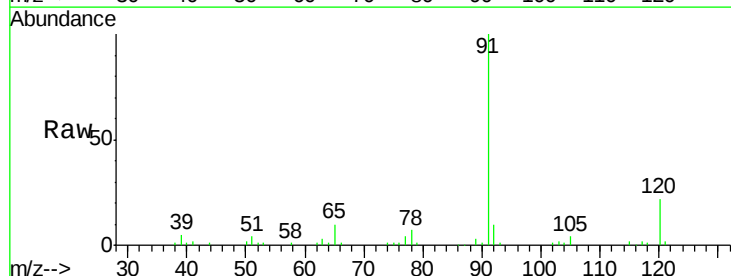
RT: 17.57 min Scan# 2375

Delta R.T. -0.01 min

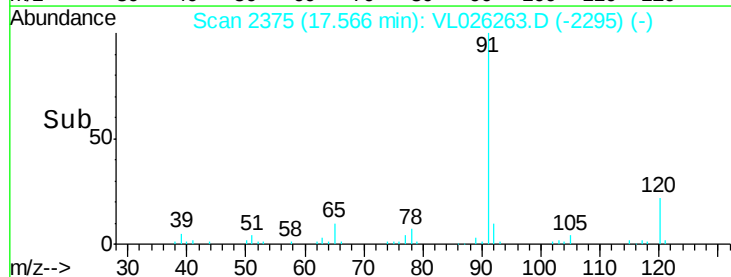
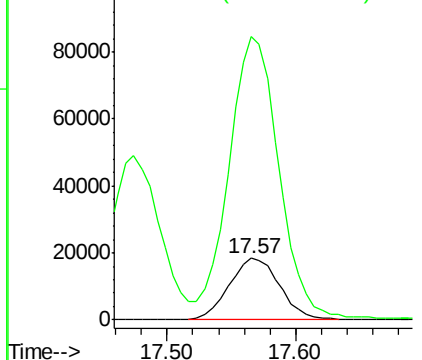
Lab File: VL026263.D

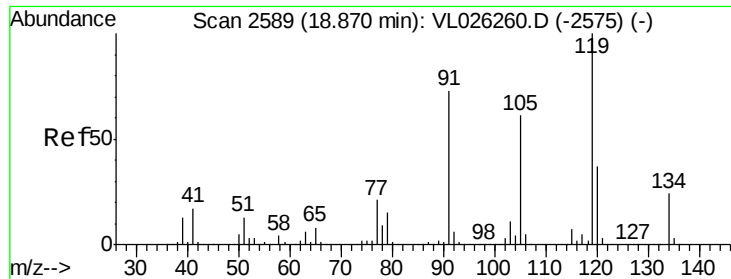
Acq: 29 Oct 2015 11:19

Tgt Ion:	120	Resp:	49521
Ion Ratio	Lower	Upper	
120	100		
91	470.5	340.8	511.2



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.53 ppbv

RT: 18.86 min Scan# 2587

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

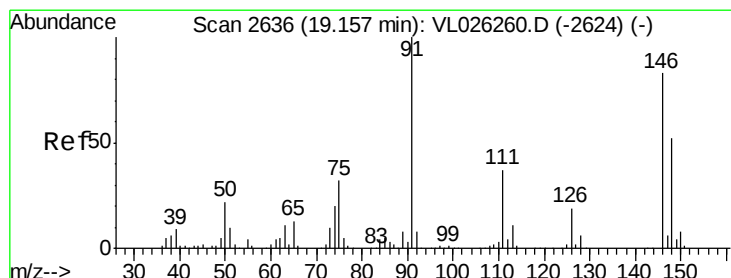
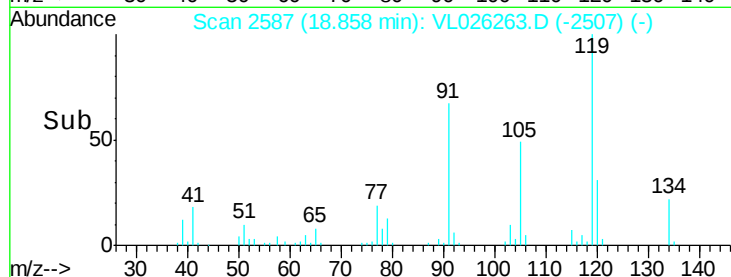
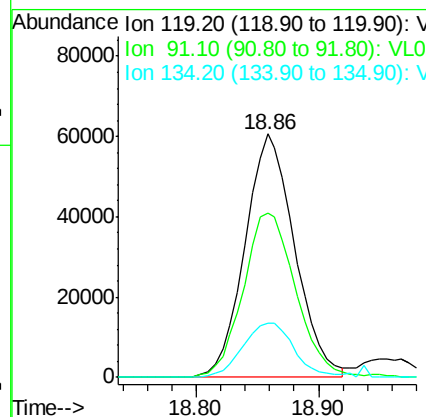
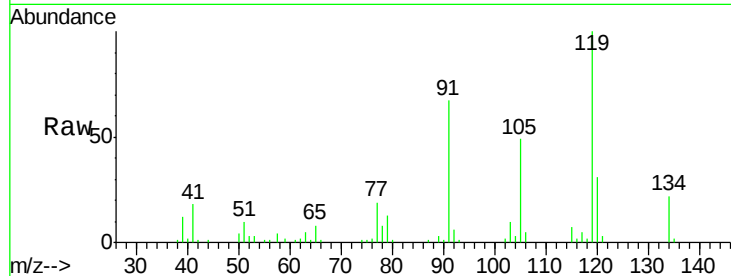
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	170884
Ion Ratio	Lower	Upper	
119	100		
91	72.0	57.7	86.5
134	23.8	18.0	27.0

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#66

Benzyl Chloride

Concen: 0.33 ppbv

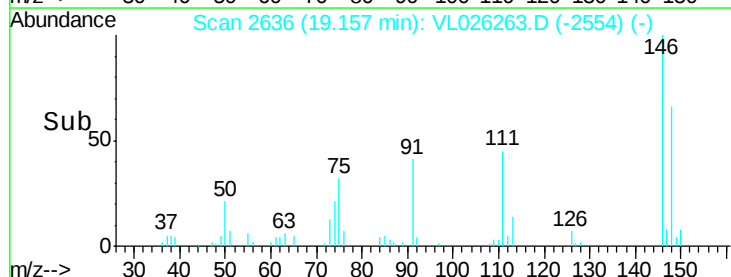
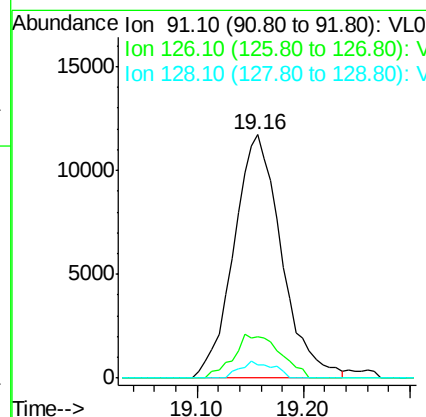
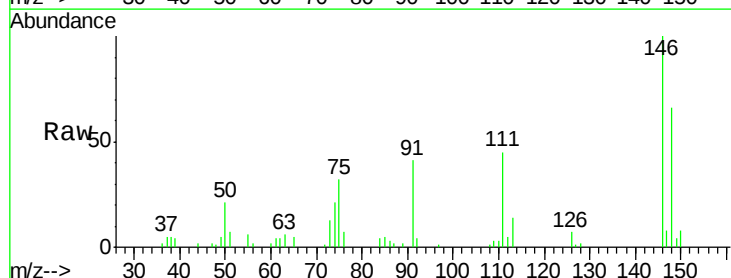
RT: 19.16 min Scan# 2636

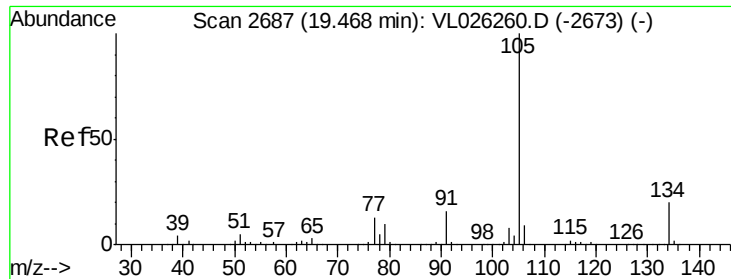
Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	91	Resp:	36699
Ion Ratio	Lower	Upper	
91	100		
126	17.4	15.8	23.8
128	4.7	5.0	7.6#





#67

sec-Butylbenzene

Concen: 0.53 ppbv

RT: 19.46 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 239753

Ion Ratio Lower Upper

105 100

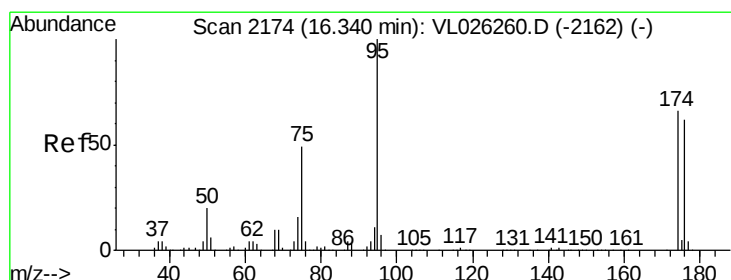
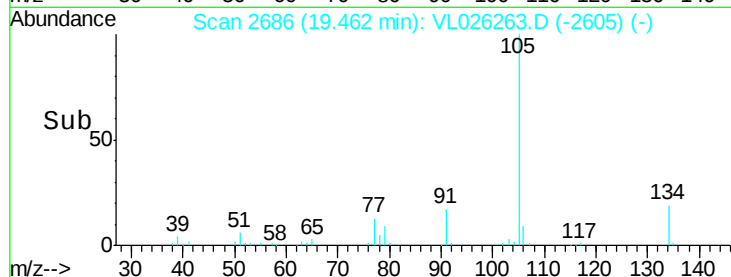
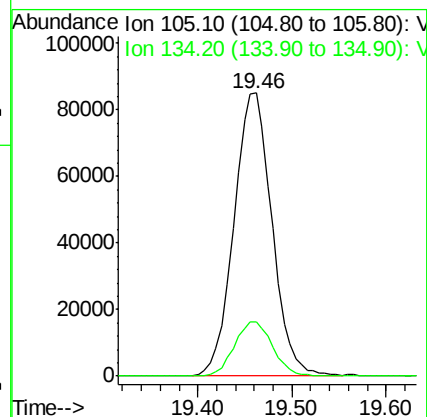
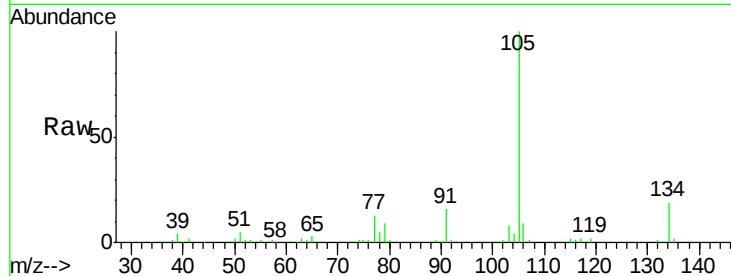
134 19.2 16.0 24.0

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.06 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

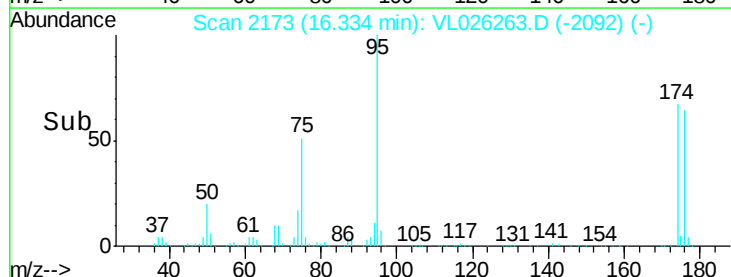
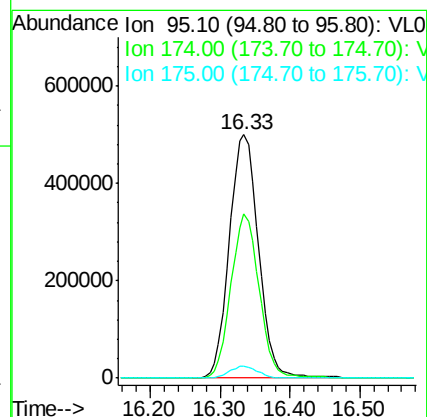
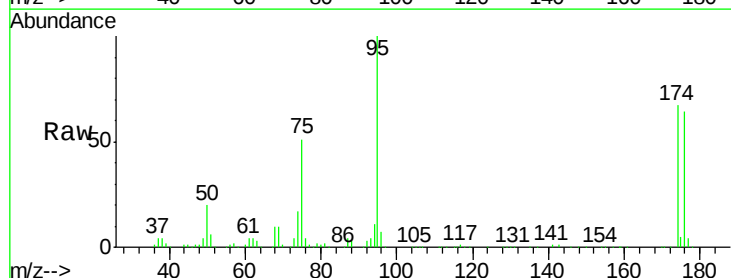
Tgt Ion: 95 Resp: 1452230

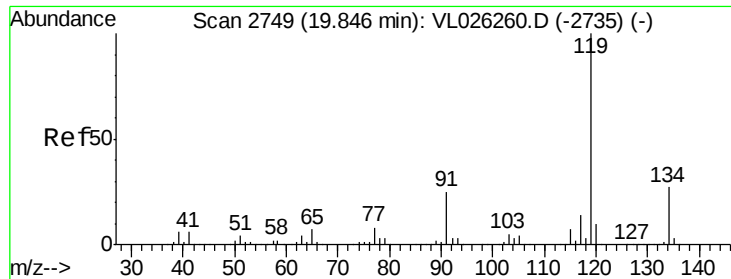
Ion Ratio Lower Upper

95 100

174 65.7 52.9 79.3

175 4.8 3.8 5.8





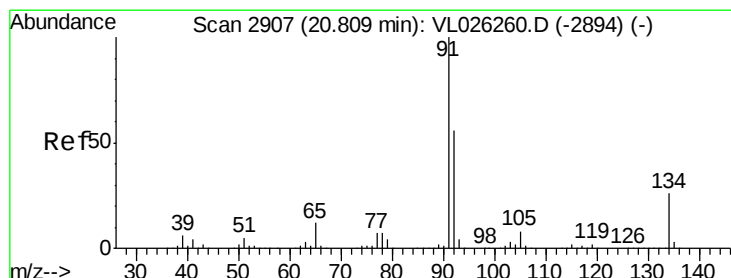
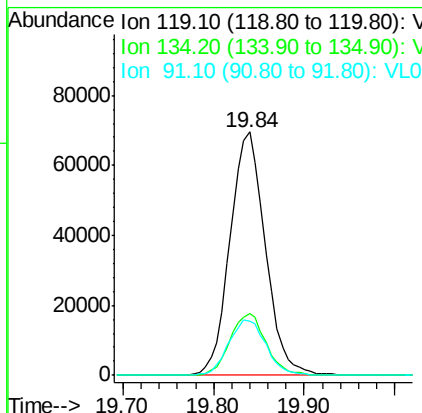
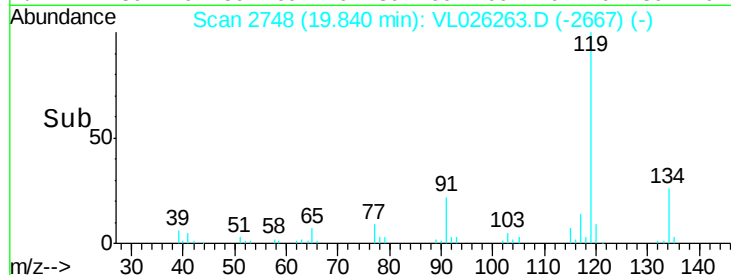
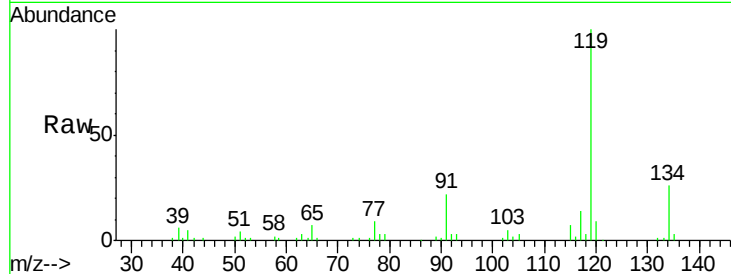
#69
p-Isopropyltoluene
Concen: 0.51 ppbv
RT: 19.84 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188275		
134	25.6		21.3	31.9
91	24.0		19.6	29.4

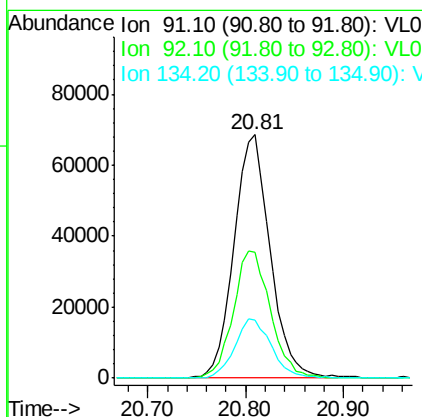
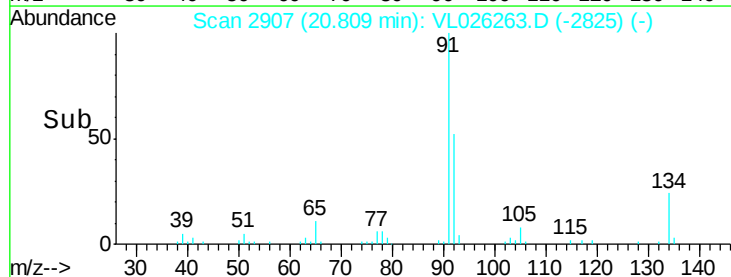
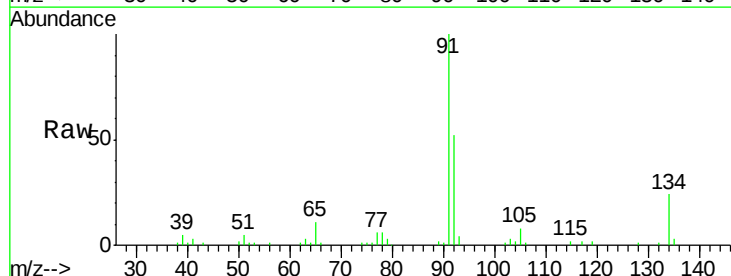
Manual Integrations
APPROVED

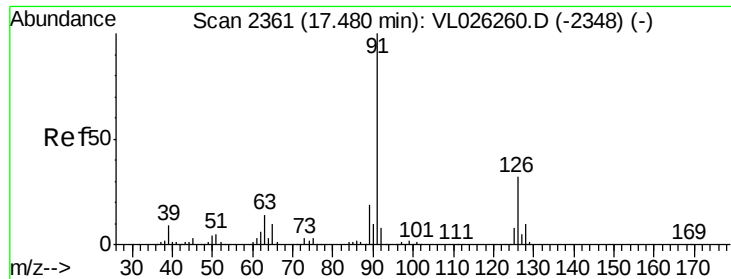
Mmdadoda
10/30/2015 12:06:34 PM



#70
n-Butylbenzene
Concen: 0.51 ppbv
RT: 20.81 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	176574		
92	53.3		44.9	67.3
134	24.4		20.5	30.7





#71

2-Chlorotoluene

Concen: 0.51 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 132551

Ion Ratio Lower Upper

91 100

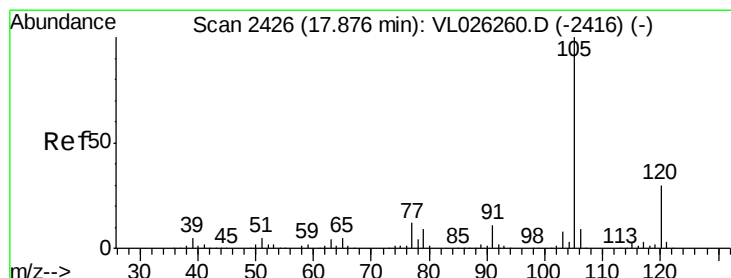
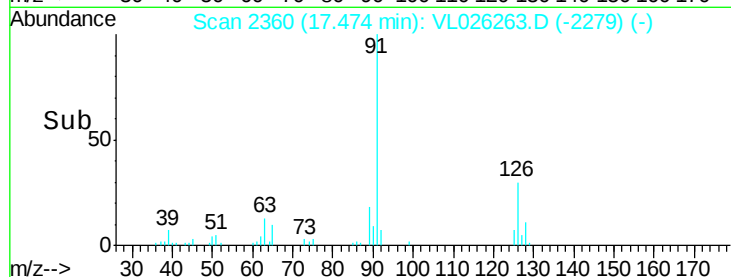
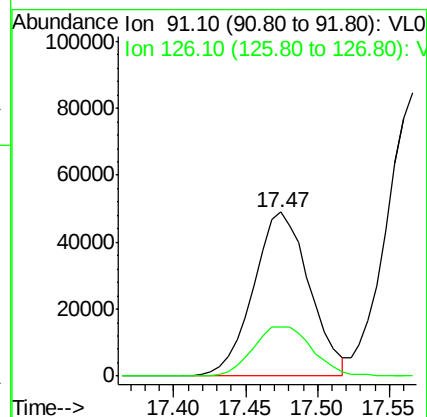
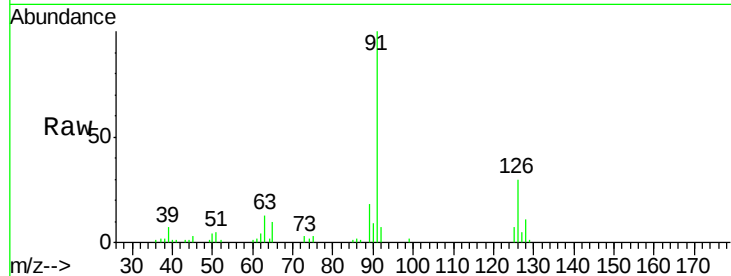
126 32.0 12.8 51.0

Manual Integrations

APPROVED

Mmdadoda

10/30/2015 12:06:34 PM



#72

4-Ethyltoluene

Concen: 0.50 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion: 105 Resp: 146576

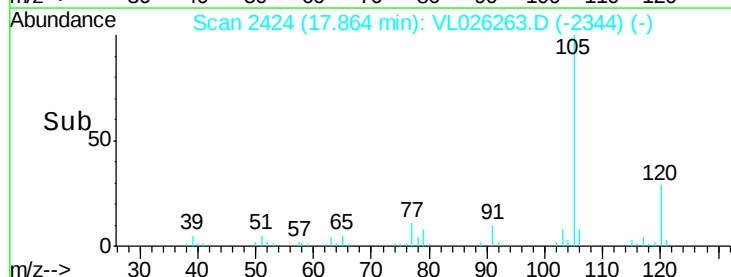
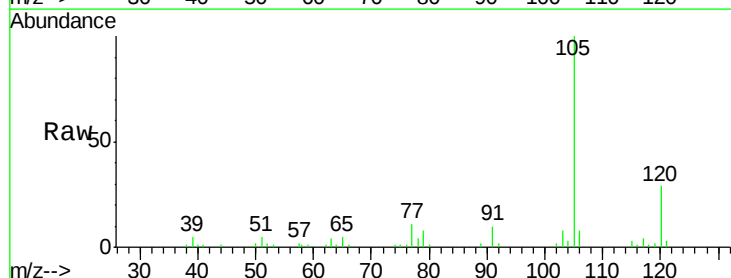
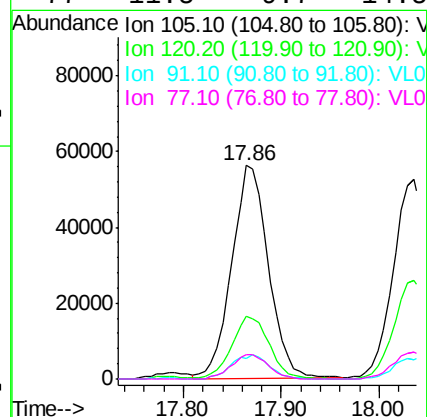
Ion Ratio Lower Upper

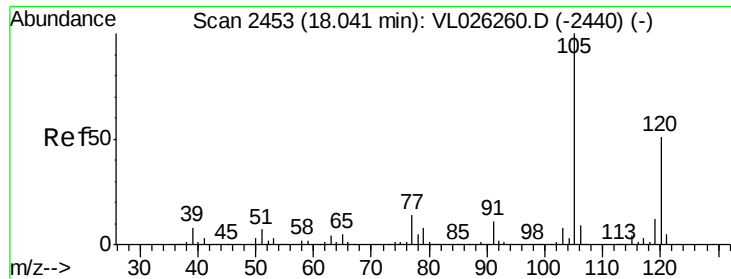
105 100

120 30.8 25.1 37.7

91 12.1 9.1 13.7

77 11.5 9.7 14.5





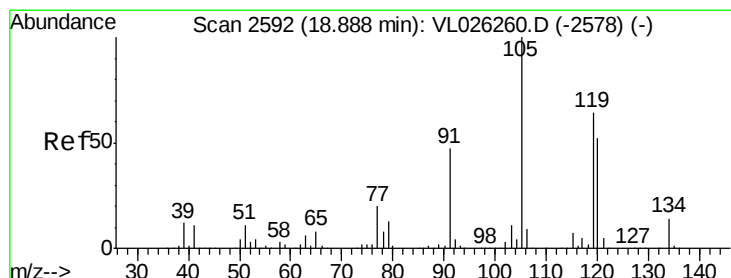
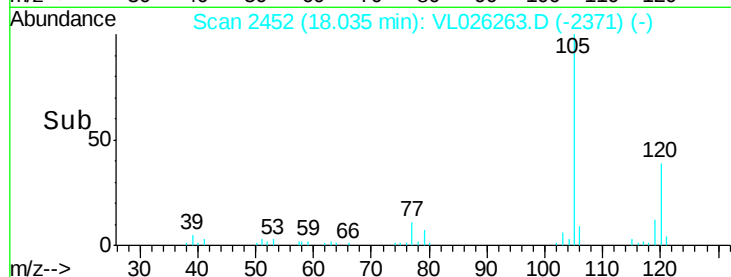
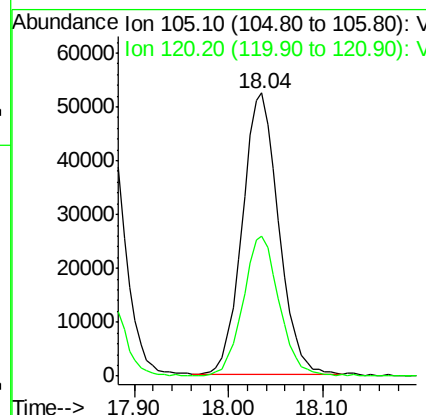
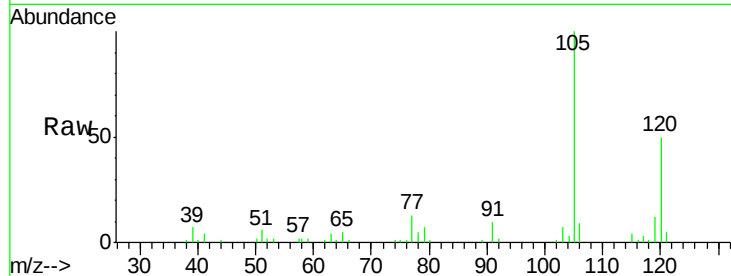
#73
 1,3,5-Trimethylbenzene
 Concen: 0.52 ppbv
 RT: 18.04 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:105 Resp: 141316
 Ion Ratio Lower Upper
 105 100
 120 49.9 40.6 61.0

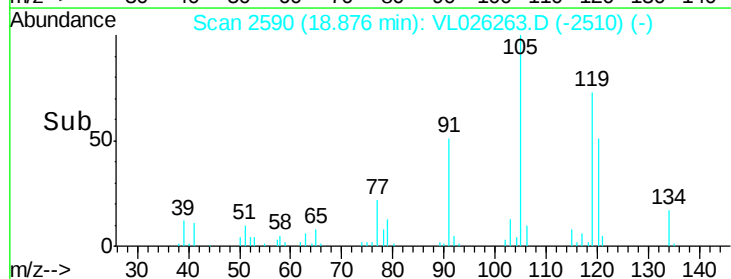
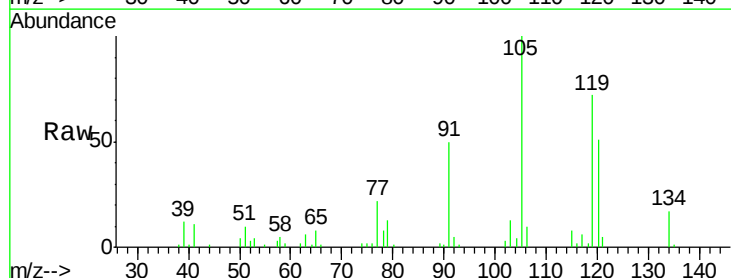
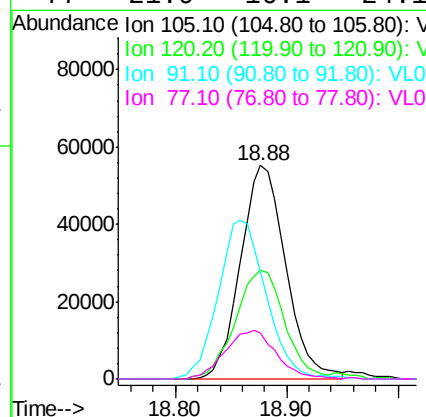
Manual Integrations
 APPROVED

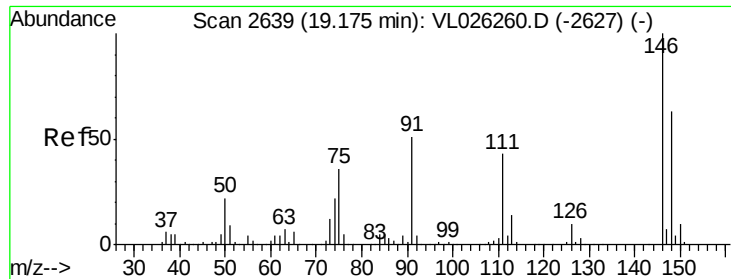
Mmdadoda
 10/30/2015 12:06:34 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.55 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion:105 Resp: 156646
 Ion Ratio Lower Upper
 105 100
 120 49.8 41.2 61.8
 91 49.2 37.8 56.8
 77 21.9 16.1 24.1





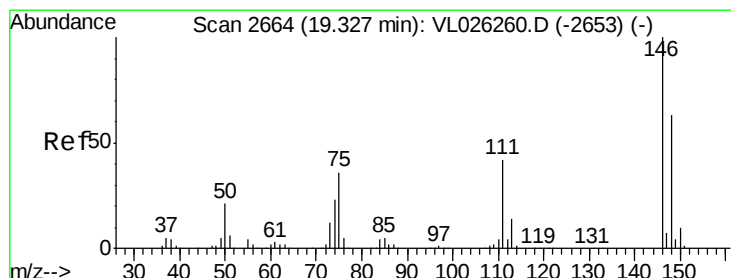
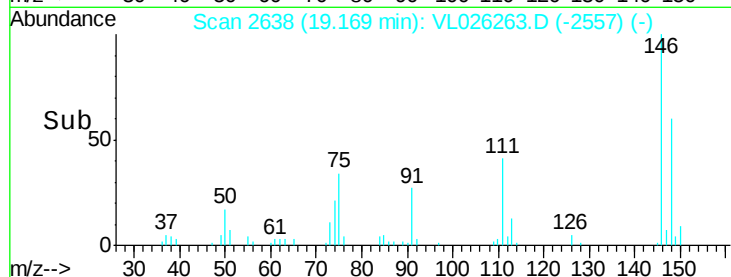
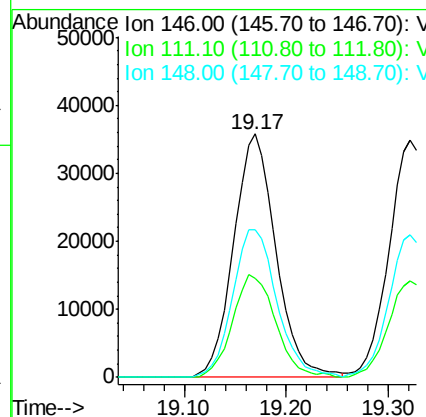
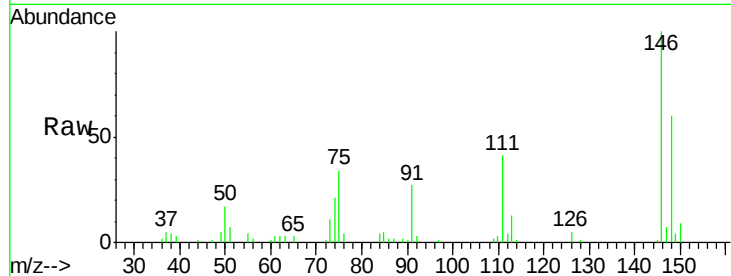
#75
 1,3-Dichlorobenzene
 Concen: 0.56 ppbv
 RT: 19.17 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.5
148	63.6	31.8	95.3

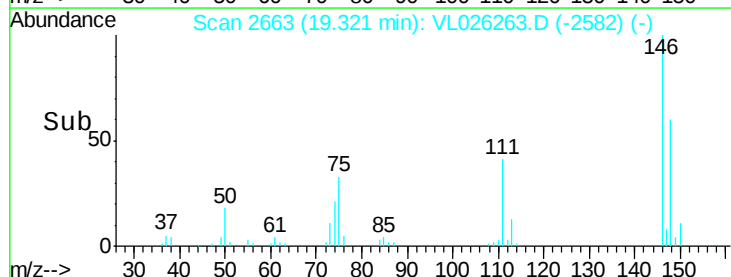
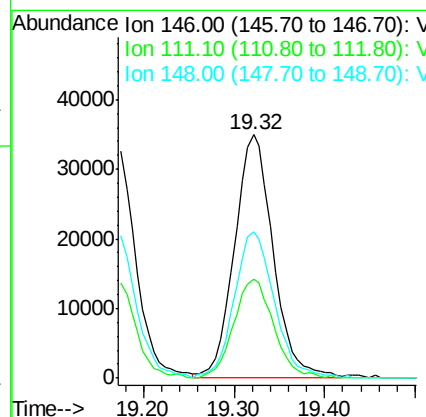
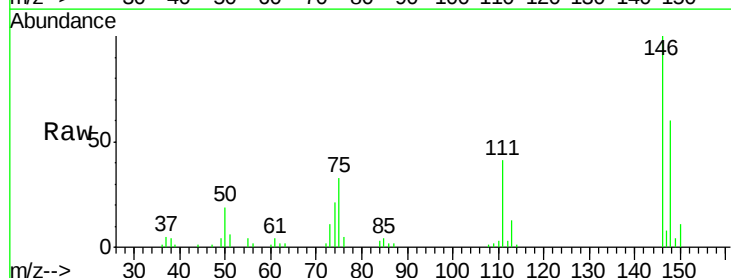
Manual Integrations
 APPROVED

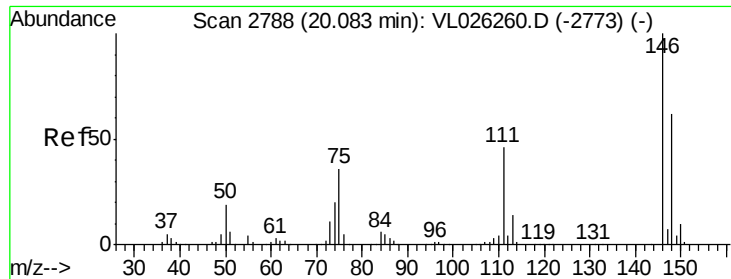
Mmdadoda
 10/30/2015 12:06:34 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.55 ppbv
 RT: 19.32 min Scan# 2663
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.4
148	62.1	31.8	95.3





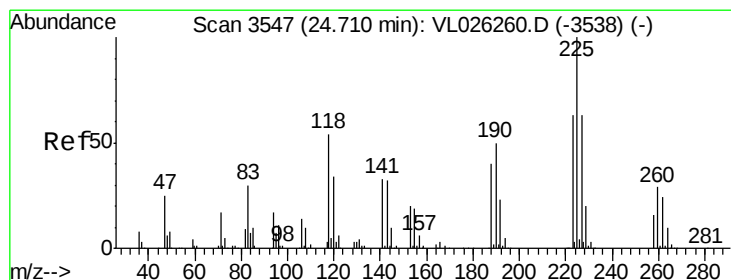
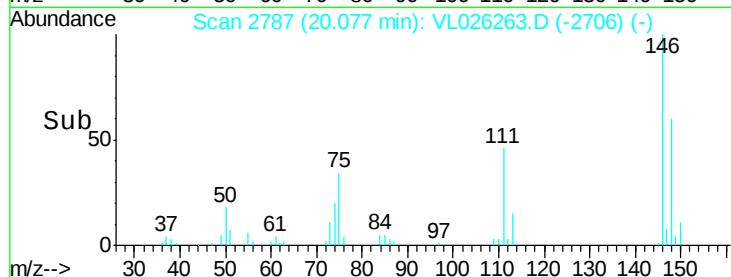
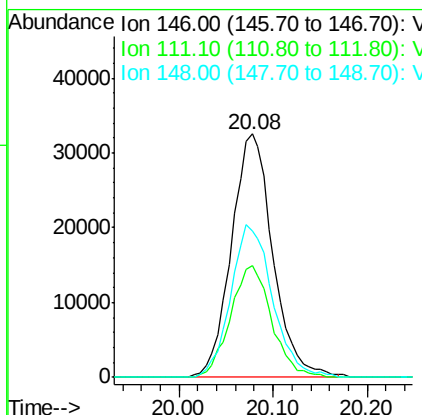
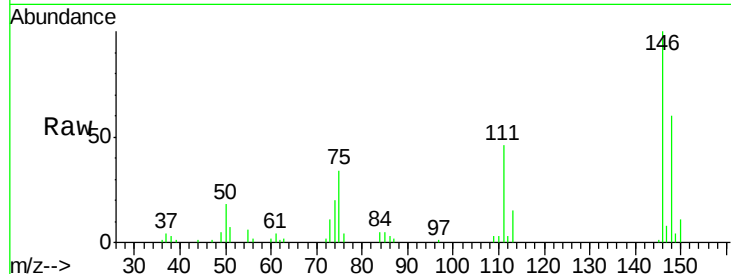
#77
 1,2-Dichlorobenzene
 Concen: 0.54 ppbv
 RT: 20.08 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.3
148	63.6	31.6	94.8

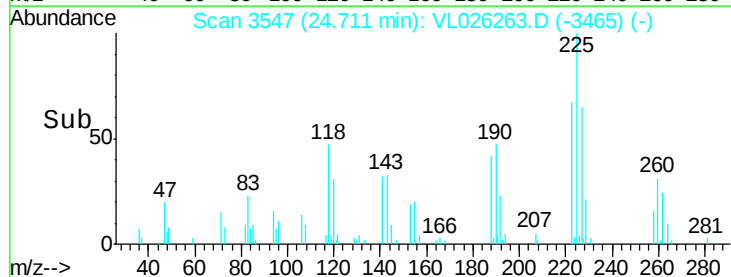
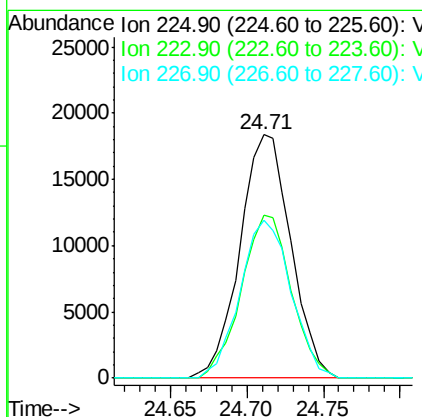
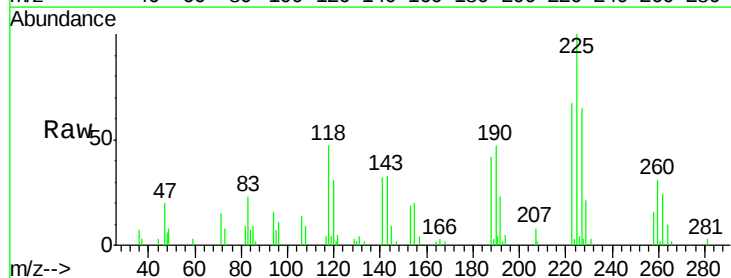
Manual Integrations
 APPROVED

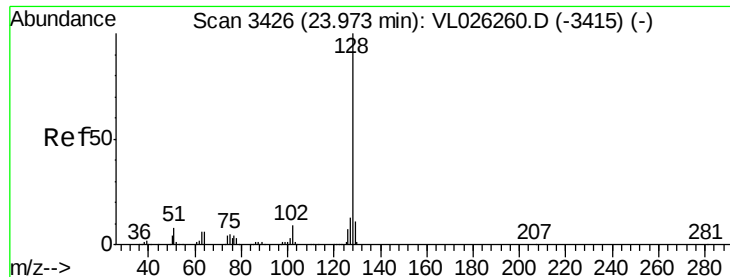
Mmdadoda
 10/30/2015 12:06:34 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.51 ppbv
 RT: 24.71 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	51.0	76.6
227	65.0	51.3	76.9





#79

Naphthalene

Concen: 0.43 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

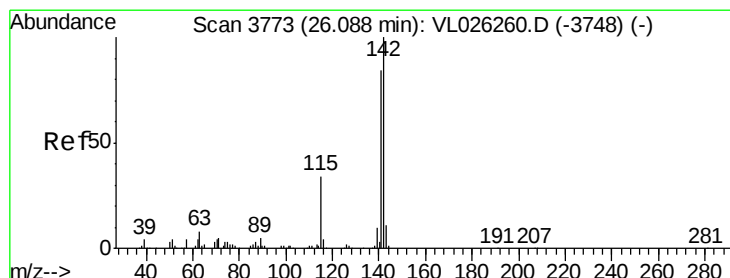
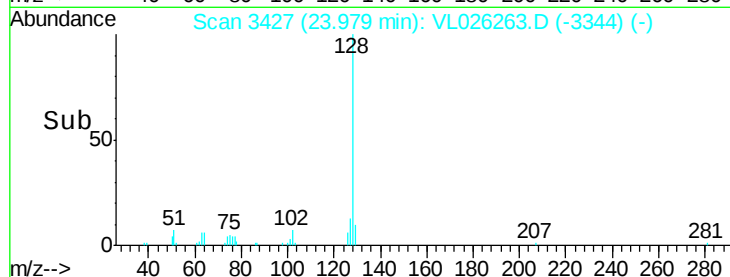
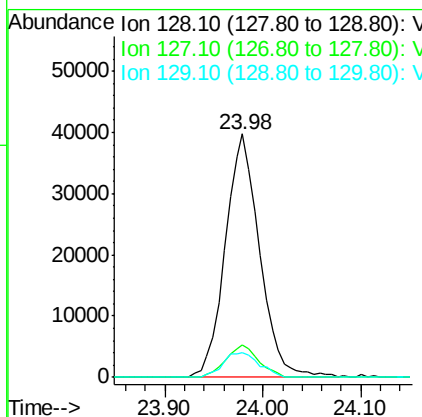
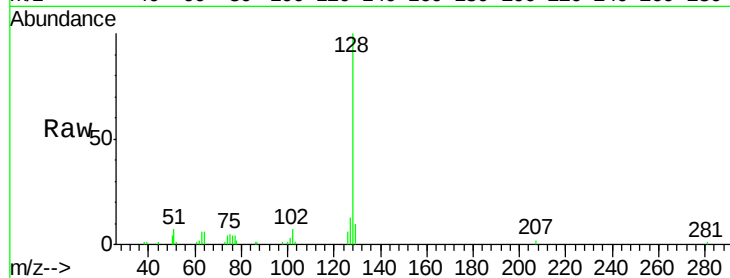
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	96735
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	9.9	8.8	13.2

Manual Integrations
APPROVED

Mmdadoda
10/30/2015 12:06:34 PM



#80

Naphthalene, 2-methyl-

Concen: 0.48 ppbv

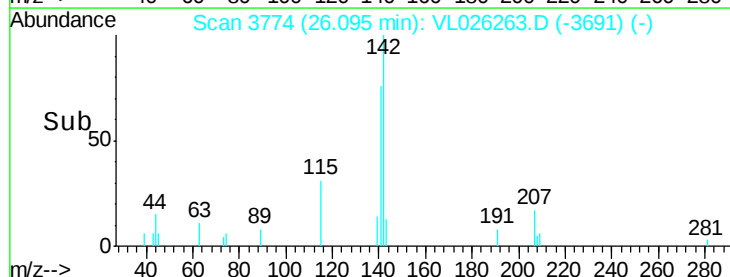
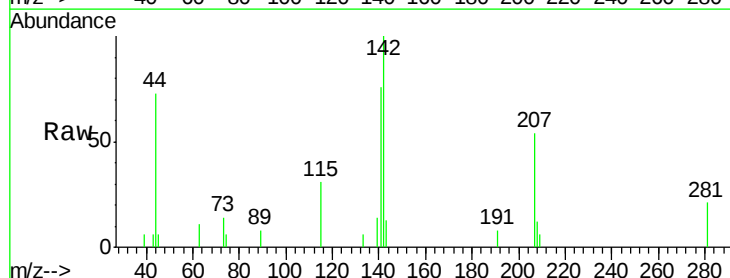
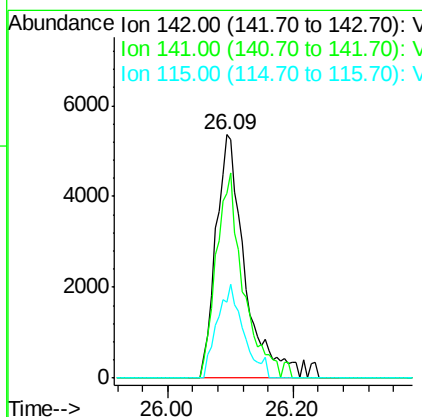
RT: 26.09 min Scan# 3774

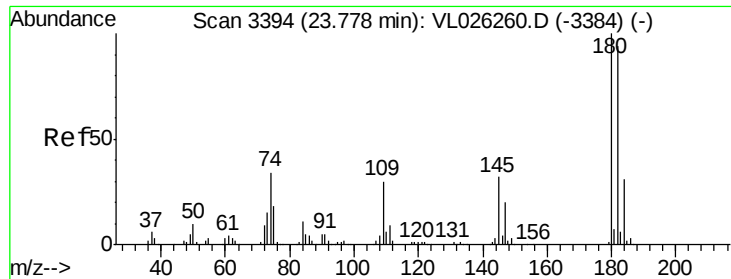
Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion:	142	Resp:	17347
Ion Ratio	Lower	Upper	
142	100		
141	78.2	66.1	99.1
115	34.5	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.47 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
184	31.0	24.2	36.4

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:34 PM

