

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046851.D
 Acq On : 23 Sep 2015 13:24
 Operator : FY/SY
 Sample : VD0923SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:53 PM

Quant Time: Sep 24 02:04:53 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	173616	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	210030	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	200123	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112877	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	94990	52.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	6.19	113	91249	55.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	9.60	98	292082	56.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.84	95	120063	57.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	42814	24.83	ug/l	99
3) Chlorodifluoromethane	1.43	51	30732	20.02	ug/l #	90
4) Chloromethane	1.57	50	20801	20.32	ug/l	99
5) Vinyl Chloride	1.67	62	20701	21.54	ug/l	94
6) Bromomethane	1.96	94	21615	23.82	ug/l	93
7) Chloroethane	2.07	64	13476	22.40	ug/l	99
8) Trichlorofluoromethane	2.32	101	68594	24.12	ug/l	93
9) Diethyl Ether	2.63	74	10062	19.96	ug/l	74
10) 1,1,2-Trichlorotrifluoroet	2.88	101	37024	20.81	ug/l	94
11) Methyl Iodide	3.04	142	39027	19.87	ug/l	92
12) Tert butyl alcohol	3.67	59	7348	85.10	ug/l	96
13) 1,1-Dichloroethene	2.86	96	29665	21.33	ug/l	84
14) Acrolein	2.76	56	6688	72.52	ug/l #	82
15) Allyl chloride	3.32	41	55118	19.52	ug/l #	78
16) Acrylonitrile	3.82	53	18389	87.25	ug/l	92
17) Acetone	2.93	43	30756	100.84	ug/l #	90
18) Carbon Disulfide	3.12	76	101624	19.50	ug/l	100
19) Methyl Acetate	3.33	43	32888	18.61	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	44364	20.36	ug/l	91
21) Methylene Chloride	3.49	84	31648	19.11	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	32235	20.55	ug/l	94
23) Diisopropyl ether	4.64	45	92487	19.73	ug/l #	87
24) Vinyl Acetate	4.59	43	83493	86.41	ug/l #	96
25) 1,1-Dichloroethane	4.54	63	59820	20.71	ug/l	99
26) 2-Butanone	5.43	43	33973	99.11	ug/l	98
27) 2,2-Dichloropropane	5.41	77	66800	22.51	ug/l	91
28) cis-1,2-Dichloroethene	5.41	96	32464	19.88	ug/l	93
29) Bromochloromethane	5.77	49	22103	19.42	ug/l #	93
30) Chloroform	5.96	83	77565	22.14	ug/l	98
31) Cyclohexane	6.26	56	52252	19.28	ug/l	87
32) 1,1,1-Trichloroethane	6.16	97	71102	22.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	55680	22.68	ug/l	97
37) Ethyl Acetate	5.53	43	16429	20.84	ug/l #	96
38) Carbon Tetrachloride	6.39	117	62028	24.32	ug/l	99

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 Sample : VD0923SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Manual Integrations
 APPROVED

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Quant Time: Sep 24 02:04:53 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	53348	21.45	ug/l	94
40) Benzene	6.71	78	136045	21.71	ug/l	97
41) Methacrylonitrile	5.75	41	9101	20.58	ug/l #	92
42) 1,2-Dichloroethane	6.81	62	46308	23.79	ug/l	97
43) Isopropyl Acetate	8.39	43	20237	19.47	ug/l #	93
44) Trichloroethene	7.73	130	37774	24.08	ug/l	94
45) 1,2-Dichloropropane	8.13	63	30480	19.63	ug/l	91
46) Dibromomethane	8.25	93	18978	21.53	ug/l	93
47) Bromodichloromethane	8.55	83	53982	23.33	ug/l	97
48) Methyl methacrylate	8.07	41	35241	22.18	ug/l	90
49) 1,4-Dioxane	8.27	88	2140	364.07	ug/l #	90
51) 4-Methyl-2-Pentanone	9.47	43	73878	98.38	ug/l	93
52) Toluene	9.70	92	90258	23.35	ug/l	97
53) t-1,3-Dichloropropene	10.11	75	37406	21.90	ug/l #	87
54) cis-1,3-Dichloropropene	9.22	75	47878	21.77	ug/l #	92
55) 1,1,2-Trichloroethane	10.38	97	22954	22.94	ug/l	91
56) Ethyl methacrylate	10.23	69	17223	19.18	ug/l	96
57) 1,3-Dichloropropane	10.59	76	39900	21.44	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.01	63	45950	97.09	ug/l	97
59) 2-Hexanone	10.70	43	55488	102.27	ug/l	97
60) Dibromochloromethane	10.87	129	31650	23.04	ug/l	97
61) 1,2-Dibromoethane	11.00	107	21656	21.92	ug/l	97
64) Tetrachloroethene	10.45	164	36764	22.75	ug/l	92
65) Chlorobenzene	11.60	112	93988	22.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	36133	23.36	ug/l	98
67) Ethyl Benzene	11.72	91	196017	23.16	ug/l	99
68) m/p-Xylenes	11.87	106	128043	47.97	ug/l	94
69) o-Xylene	12.28	106	56071	23.34	ug/l	95
70) Styrene	12.31	104	97781	23.47	ug/l	95
71) Bromoform	12.49	173	17549	21.30	ug/l	92
73) Isopropylbenzene	12.66	105	177683	22.33	ug/l	99
74) N-amyl acetate	12.49	43	30771	18.64	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	26582	20.70	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	28088	20.45	ug/l	99
77) Bromobenzene	12.97	156	43206	21.59	ug/l	92
78) n-propylbenzene	13.06	91	249135	22.17	ug/l	98
79) 2-Chlorotoluene	13.14	91	137516	22.04	ug/l	99
80) 1,3,5-Trimethylbenzene	13.24	105	141592	22.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	6421	19.47	ug/l	89
82) 4-Chlorotoluene	13.26	91	169545	22.83	ug/l	95
83) tert-Butylbenzene	13.53	119	128572m	22.49	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	146057	22.88	ug/l	97
85) sec-Butylbenzene	13.72	105	191227	22.76	ug/l	95
86) p-Isopropyltoluene	13.86	119	154360	23.37	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	81721	21.89	ug/l	98
88) 1,4-Dichlorobenzene	13.93	146	80500	21.68	ug/l	96
89) n-Butylbenzene	14.21	91	173927	23.33	ug/l	99
90) Hexachloroethane	14.46	117	33474	21.86	ug/l	91
91) 1,2-Dichlorobenzene	14.23	146	69851	22.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2986	18.09	ug/l	89

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Misc : 5.00qm/5mL/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

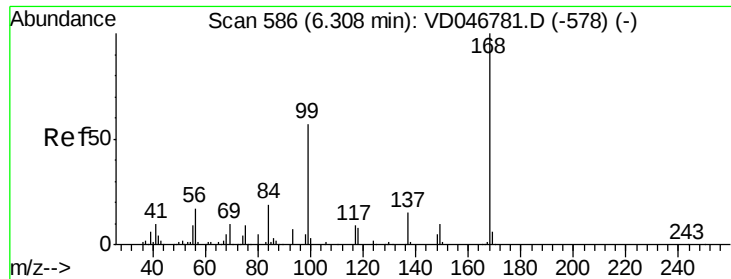
Manual Integrations
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9/24/2015 12:56:53 PM

Quant Time: Sep 24 02:04:53 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	39438	21.84	ug/l	98
94) Hexachlorobutadiene	15.68	225	33736	22.69	ug/l	99
95) Naphthalene	15.81	128	44700	20.19	ug/l	97
96) 1,2,3-Trichlorobenzene	16.01	180	33355	22.10	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:168 Resp: 173616

Ion Ratio Lower Upper

168 100

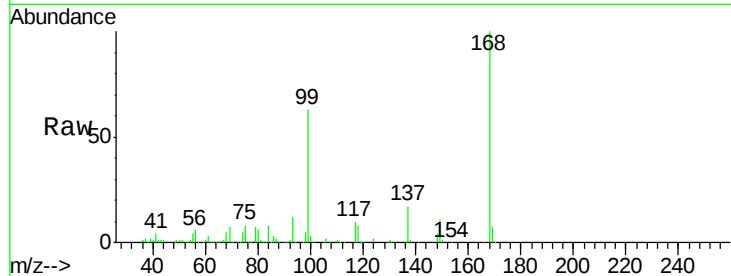
99 63.0 42.4 63.6

Manual Integrations

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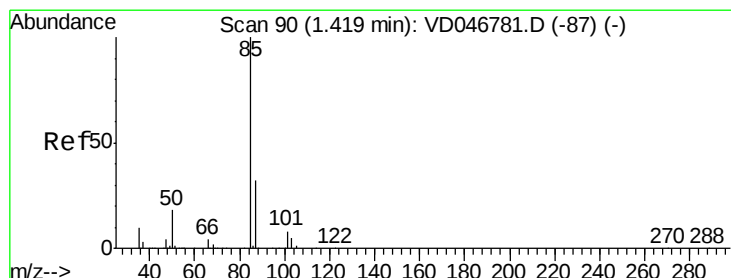
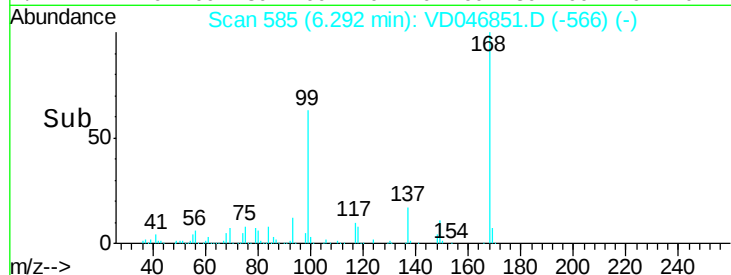
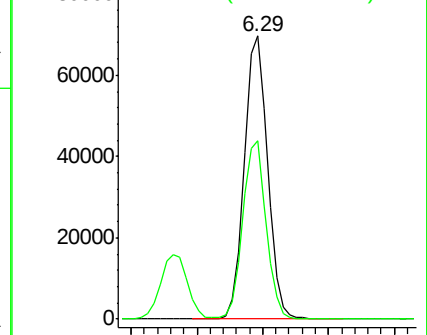
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.83 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046851.D

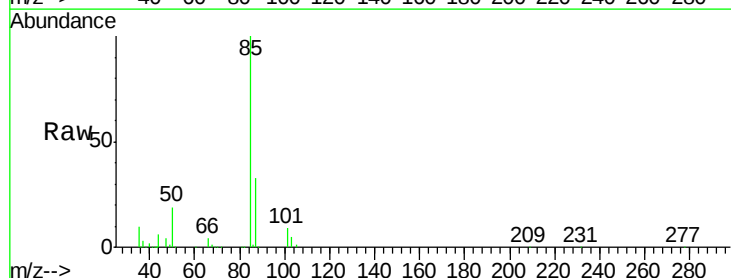
Acq: 23 Sep 2015 13:24

Tgt Ion: 85 Resp: 42814

Ion Ratio Lower Upper

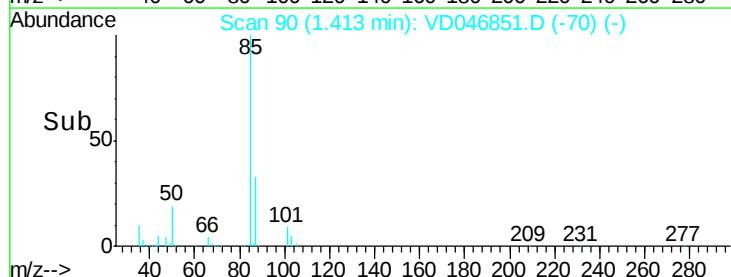
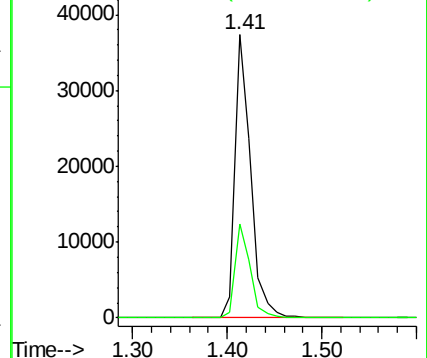
85 100

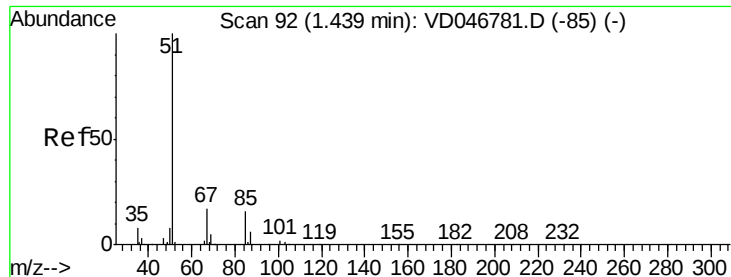
87 33.1 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 20.02 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 51 Resp: 30732

Ion Ratio Lower Upper

51 100

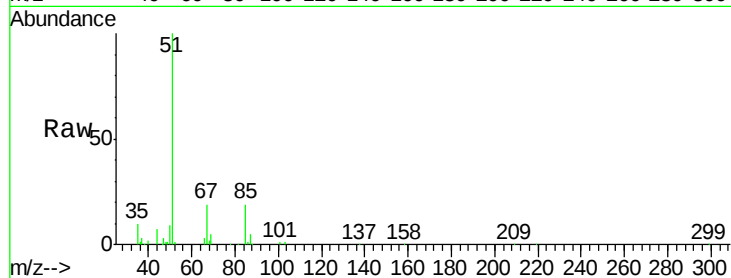
67 17.7 10.9 16.3#

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

1.43

30000

25000

20000

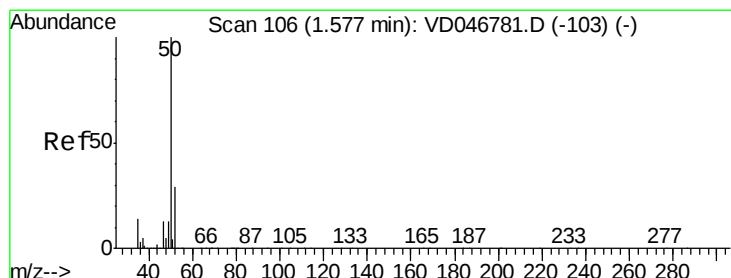
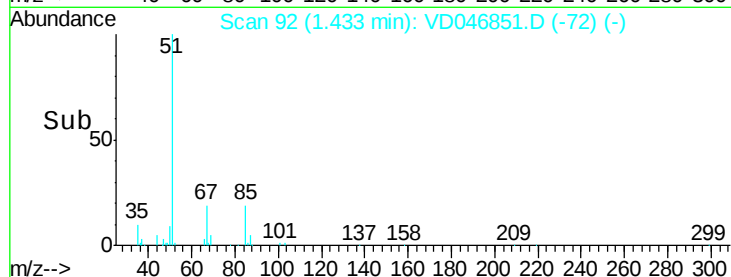
15000

10000

5000

0

Time--> 1.30 1.40 1.50 1.60



#4

Chloromethane

Concen: 20.32 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046851.D

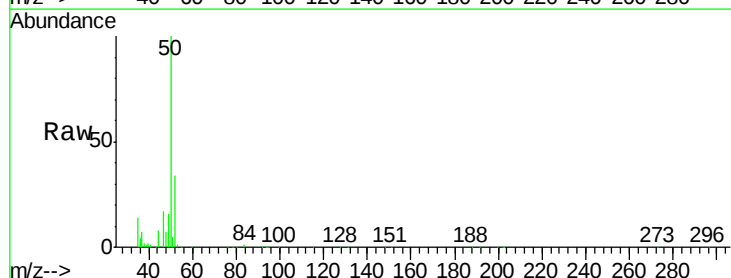
Acq: 23 Sep 2015 13:24

Tgt Ion: 50 Resp: 20801

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.57

20000

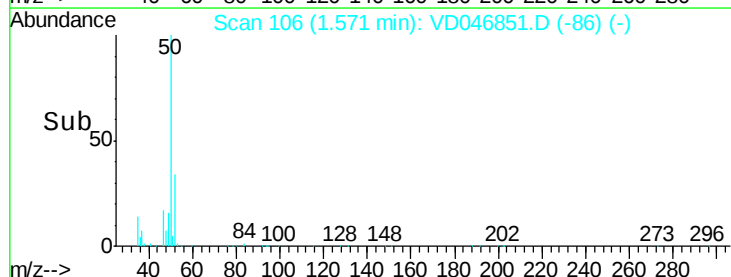
15000

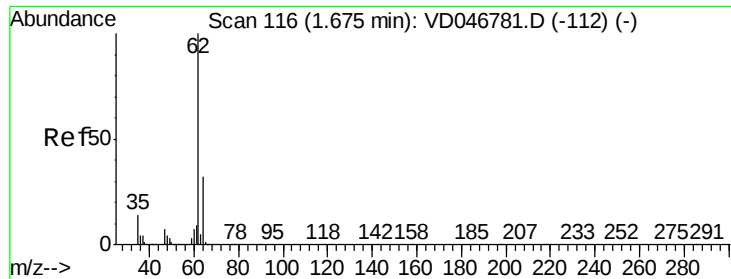
10000

5000

0

Time--> 1.50 1.55 1.60 1.65





#5

Vinyl Chloride

Concen: 21.54 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 62 Resp: 20701

Ion Ratio Lower Upper

62 100

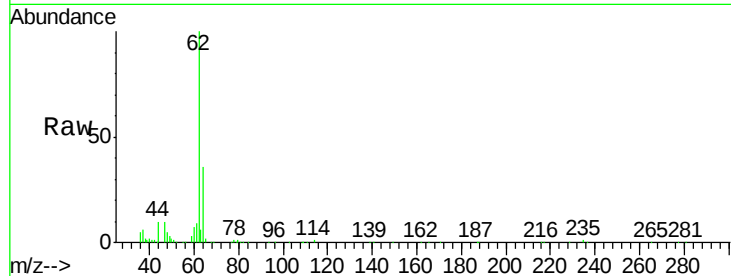
64 36.4 26.4 39.6

Manual Integrations

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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

20000

15000

10000

5000

0

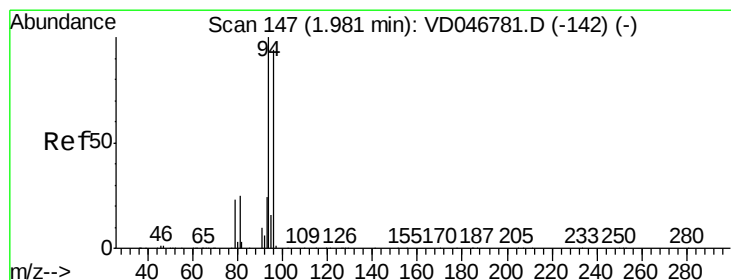
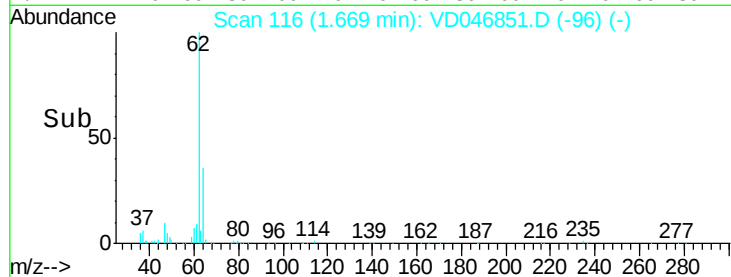
1.67

1.60

1.70

1.80

Time-->



#6

Bromomethane

Concen: 23.82 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046851.D

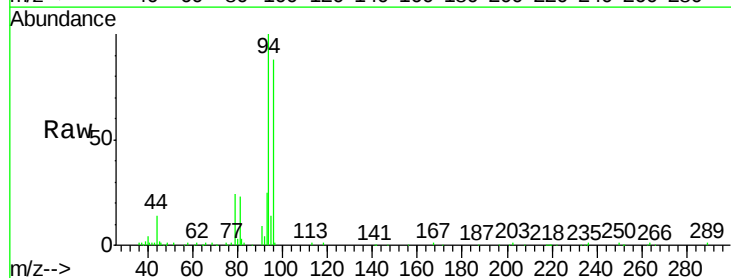
Acq: 23 Sep 2015 13:24

Tgt Ion: 94 Resp: 21615

Ion Ratio Lower Upper

94 100

96 87.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

10000

5000

0

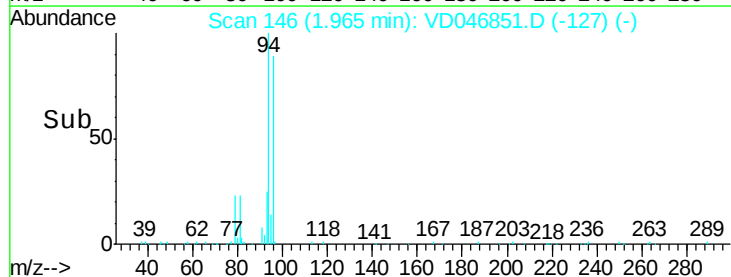
1.96

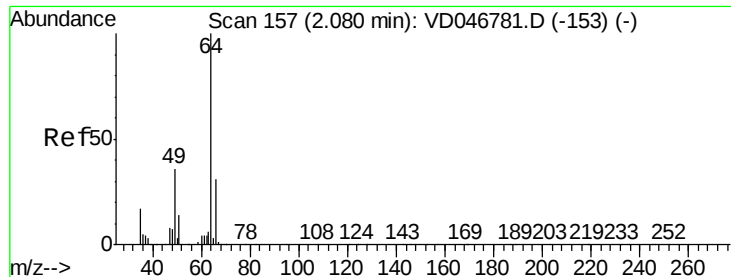
1.90

2.00

2.05

Time-->





#7

Chloroethane

Concen: 22.40 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 64 Resp: 13476

Ion Ratio Lower Upper

64 100

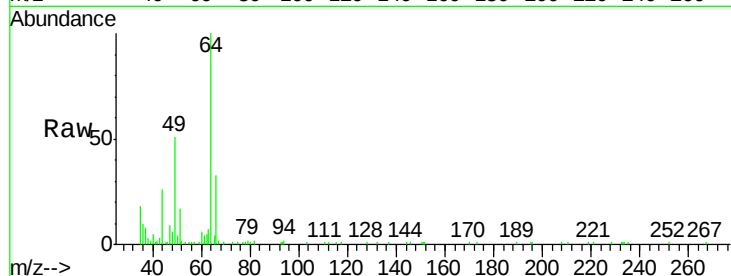
66 32.5 26.6 39.8

Manual Integrations

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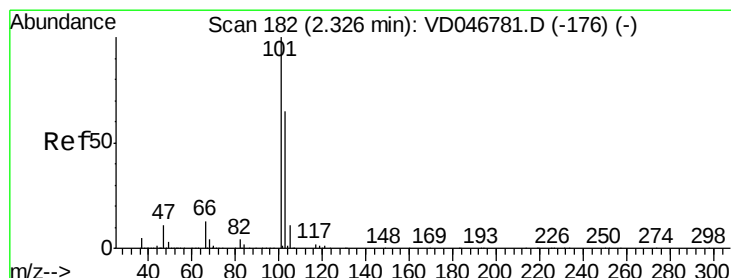
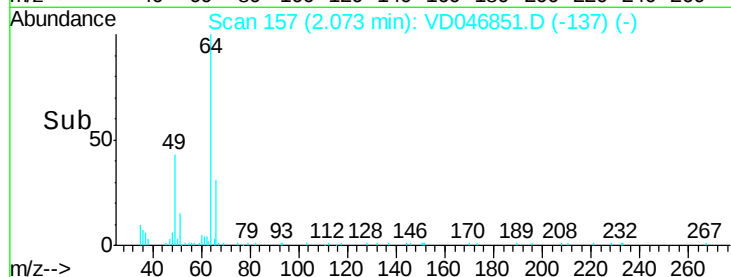
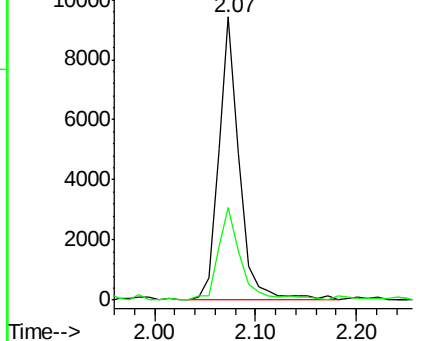
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Abundance Ion 63.95 (63.65 to 64.65): VD046851.D (-153) (-)

Ion 65.90 (65.60 to 66.60): VD046851.D (-153) (-)



#8

Trichlorofluoromethane

Concen: 24.12 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046851.D

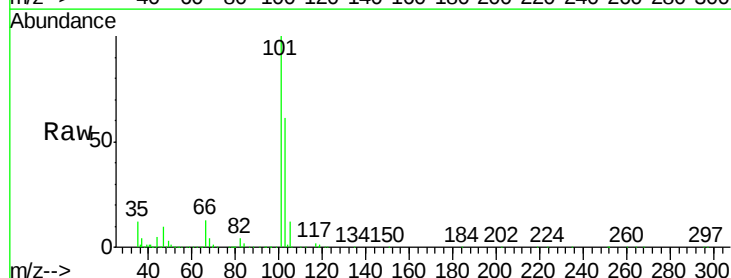
Acq: 23 Sep 2015 13:24

Tgt Ion: 101 Resp: 68594

Ion Ratio Lower Upper

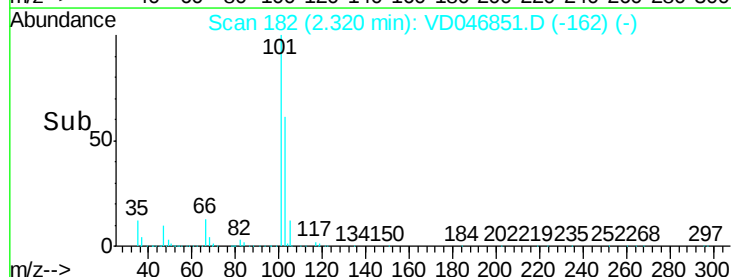
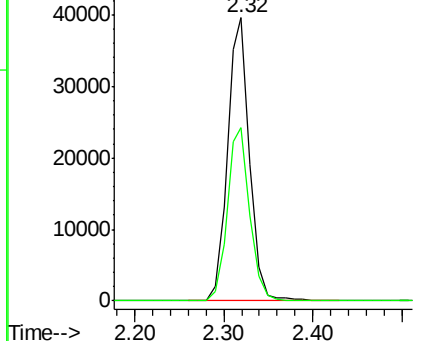
101 100

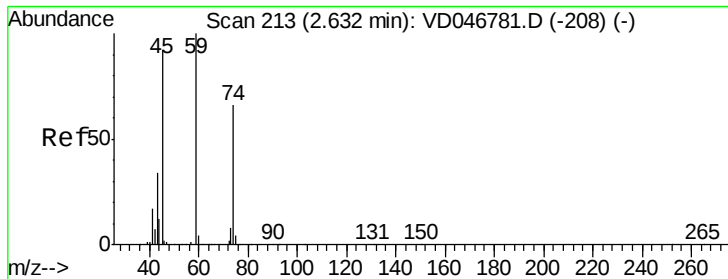
103 61.1 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): VD046851.D (-176) (-)

Ion 102.85 (102.55 to 103.55): VD046851.D (-176) (-)





#9

Diethyl Ether

Concen: 19.96 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 74 Resp: 10062

Ion Ratio Lower Upper

74 100

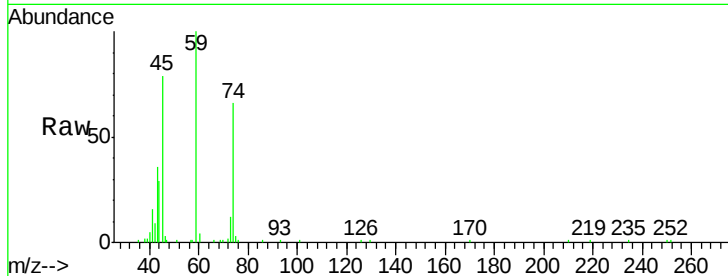
45 118.9 76.2 228.6

Manual Integrations

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9/24/2015 12:56:53 PM



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

8000

6000

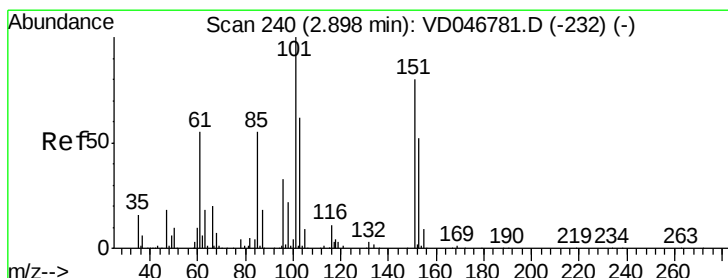
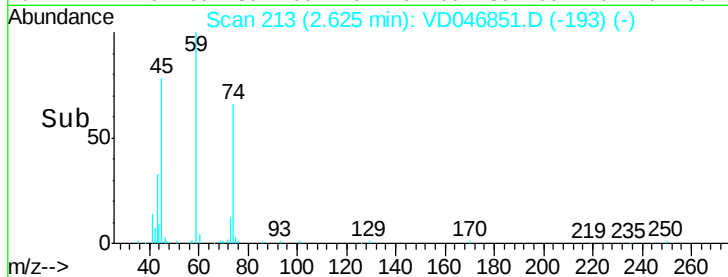
4000

2000

0

2.55 2.60 2.65 2.70

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.81 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

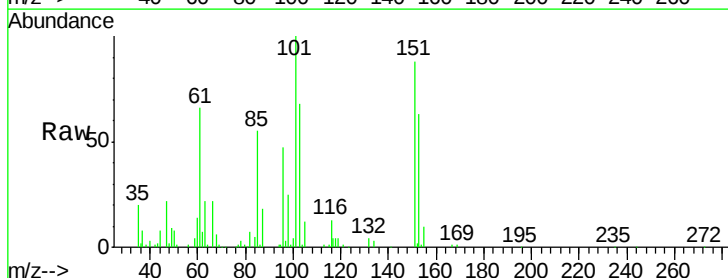
Tgt Ion: 101 Resp: 37024

Ion Ratio Lower Upper

101 100

85 54.9 42.0 63.0

151 88.2 65.2 97.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

20000

15000

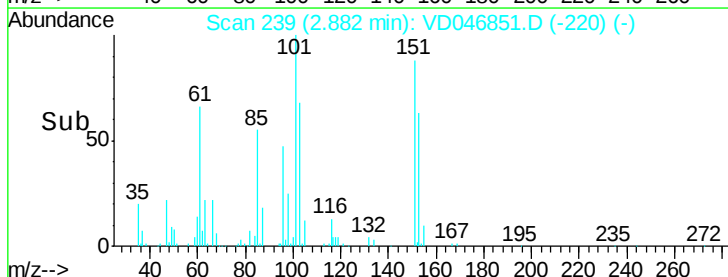
10000

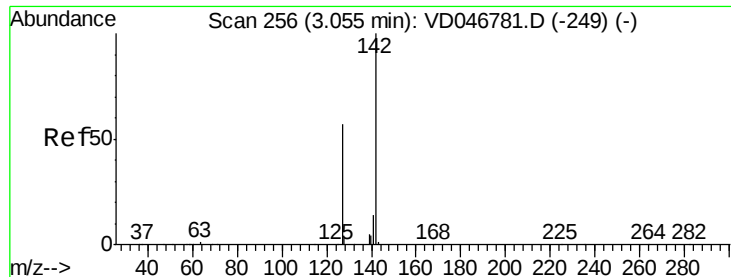
5000

0

2.80 2.90 3.00

Time-->





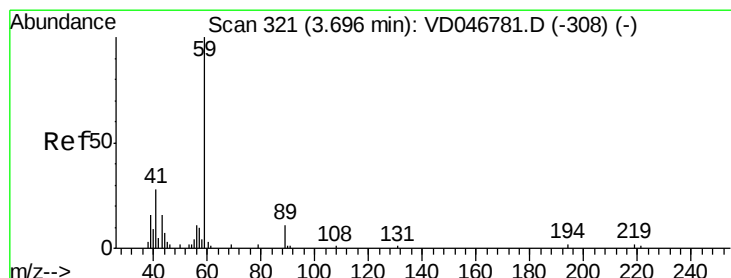
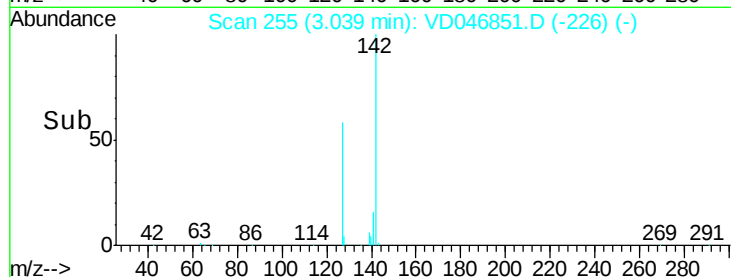
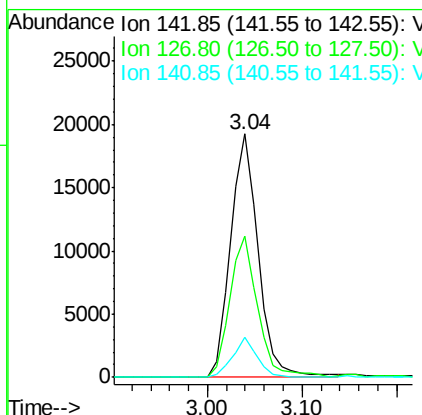
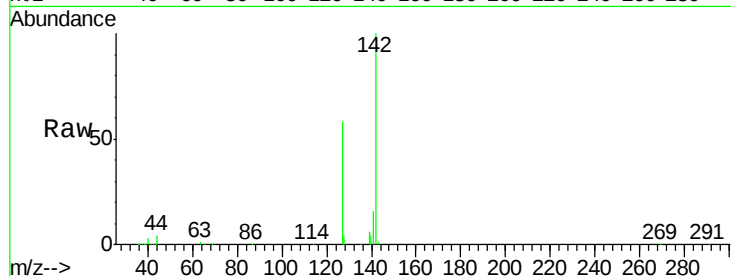
#11
Methvl Iodide
Concen: 19.87 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	57.9	41.2	61.8
141	16.4	11.6	17.4

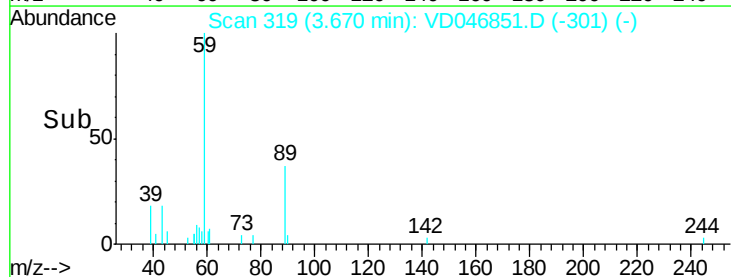
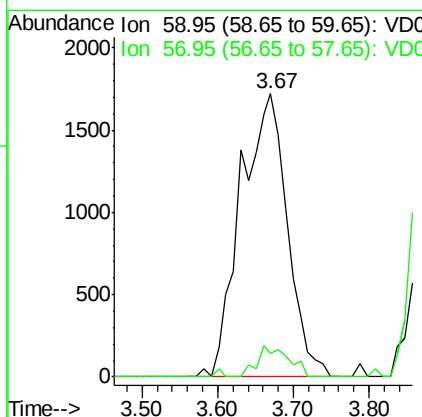
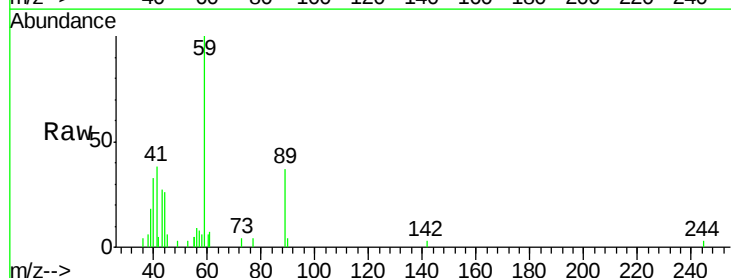
Manual Integrations
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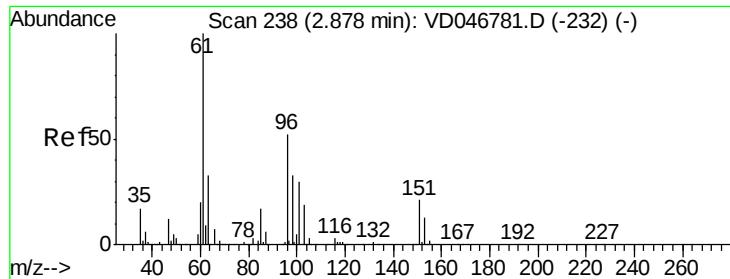
MMDadoda
9/24/2015 12:56:53 PM



#12
Tert butyl alcohol
Concen: 85.10 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.8	11.6





#13

1,1-Dichloroethene

Concen: 21.33 ug/l

RT: 2.86 min Scan# 237

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

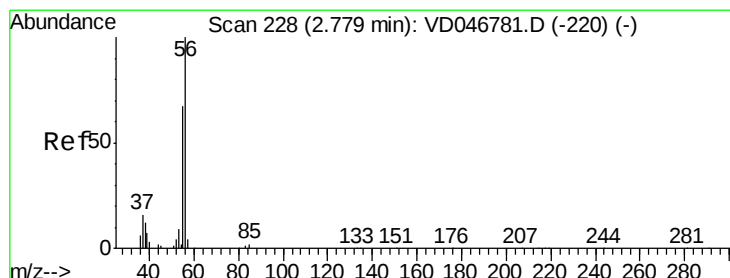
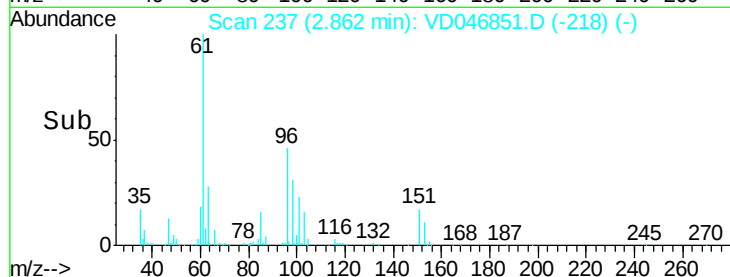
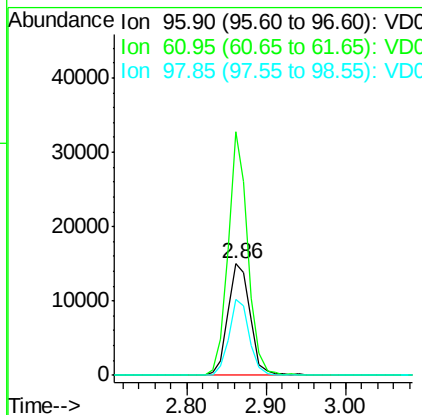
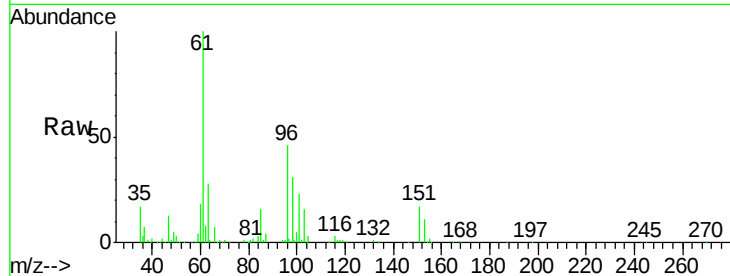
ClientSampleId :

VD0923SBS01

Tot Ion:	96	Resp:	29665
Ion	Ratio	Lower	Upper
96	100		
61	218.3	152.2	228.4
98	68.4	51.2	76.8

Manual Integrations
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9/24/2015 12:56:53 PM



#14

Acrolein

Concen: 72.52 ug/l

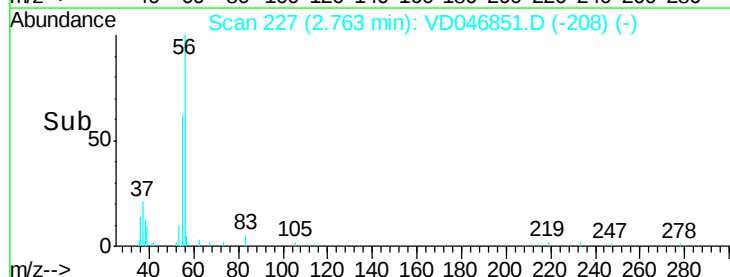
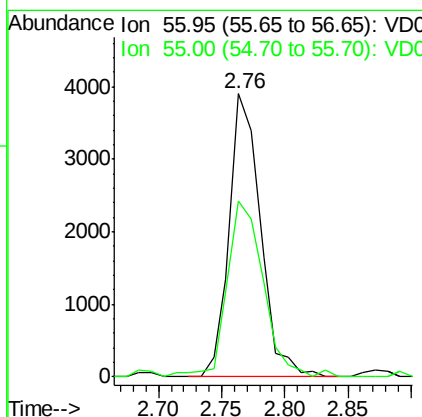
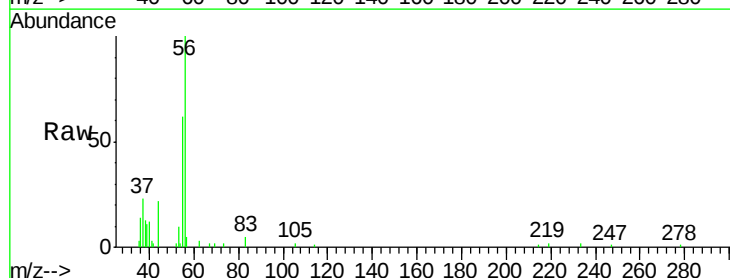
RT: 2.76 min Scan# 227

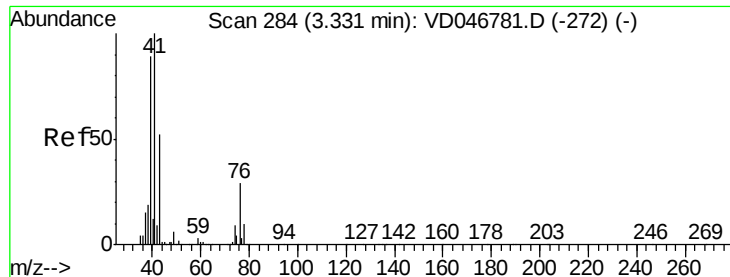
Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion:	56	Resp:	6688
Ion	Ratio	Lower	Upper
56	100		
55	62.2	62.6	93.8#





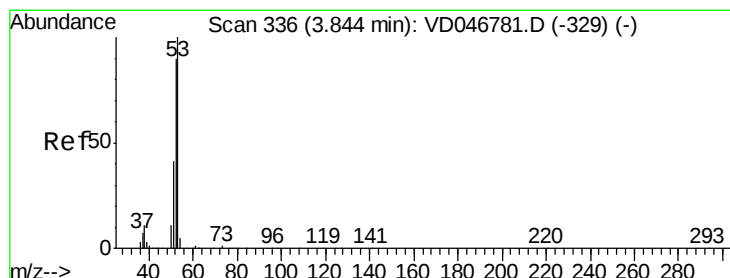
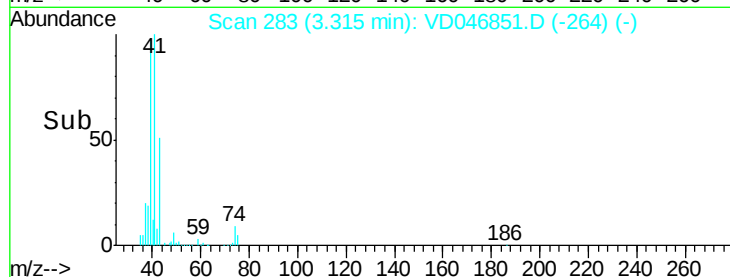
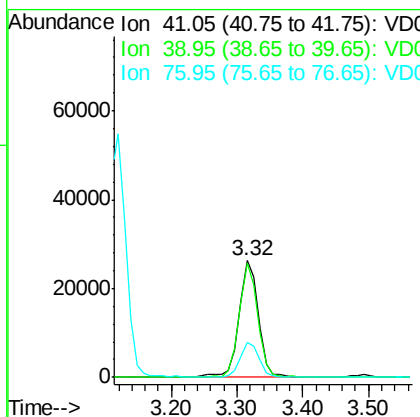
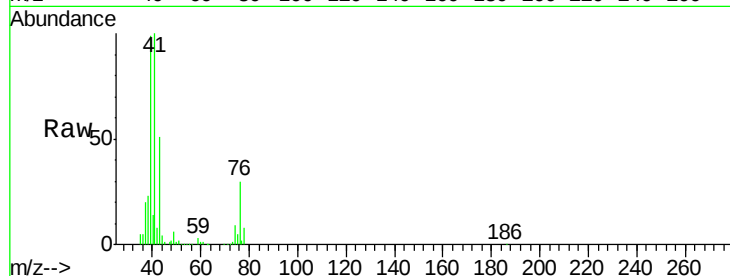
#15
 Allvl chloride
 Concen: 19.52 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	98.5	58.8	88.2#
76	29.6	22.7	34.1

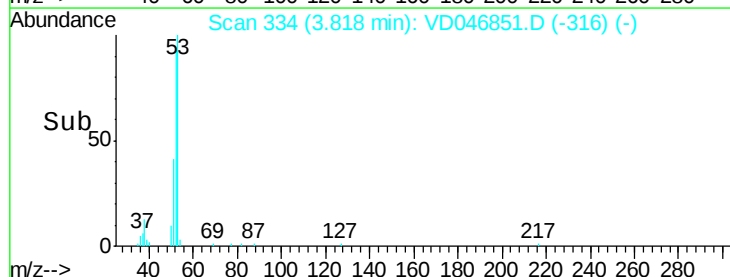
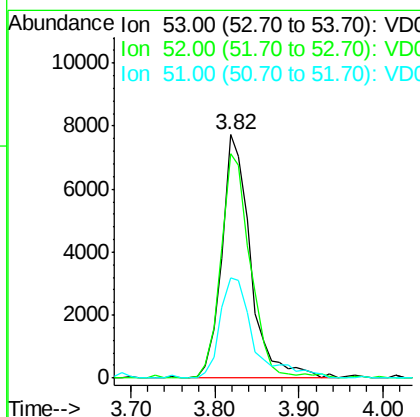
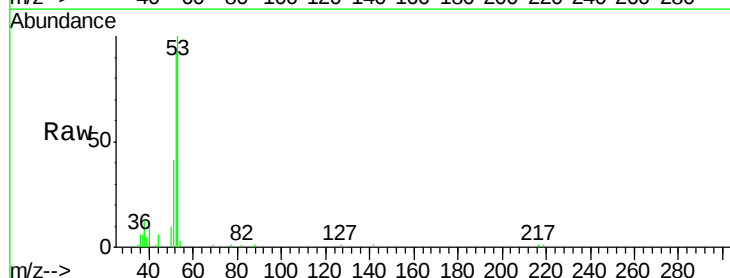
Manual Integrations
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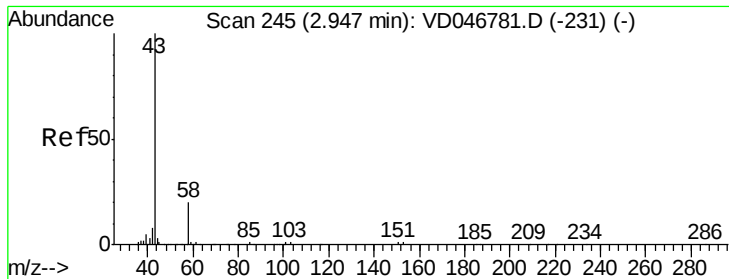
MMDadoda
 9/24/2015 12:56:53 PM



#16
 Acrylonitrile
 Concen: 87.25 ug/l
 RT: 3.82 min Scan# 334
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
53	100		
52	92.3	66.8	100.2
51	41.2	31.2	46.8





#17

Acetone

Concen: 100.84 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 30756

Ion Ratio Lower Upper

43 100

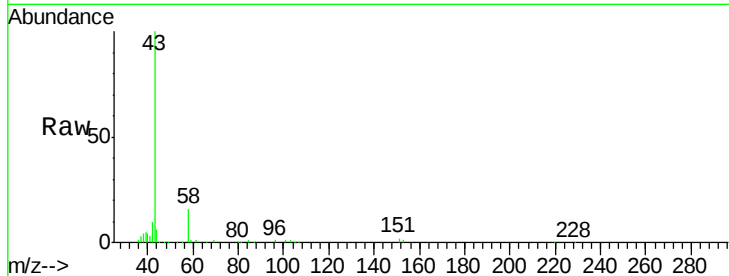
58 15.9 16.6 24.8#

Manual Integrations

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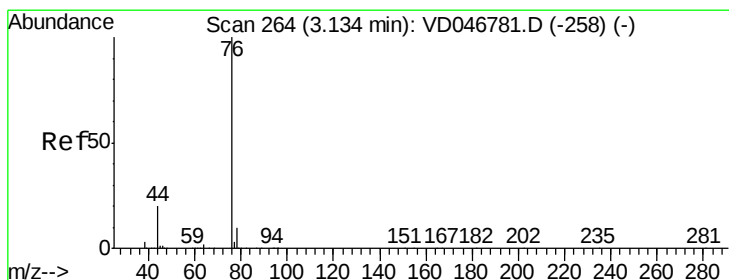
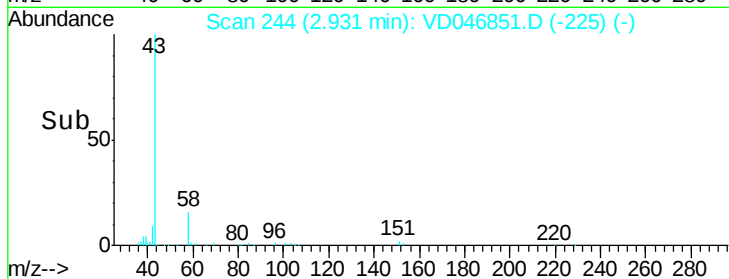
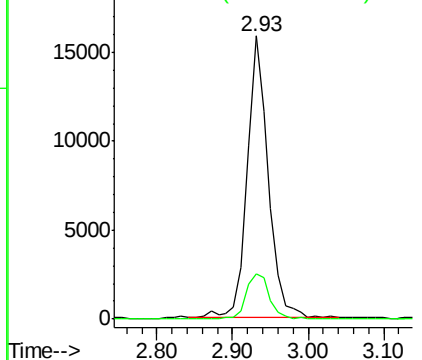
MMDadoda

9/24/2015 12:56:53 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 19.50 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046851.D

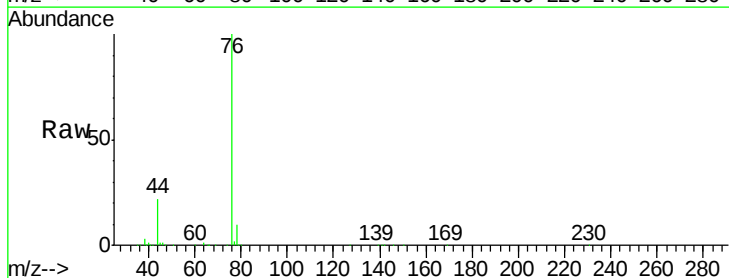
Acq: 23 Sep 2015 13:24

Tgt Ion: 76 Resp: 101624

Ion Ratio Lower Upper

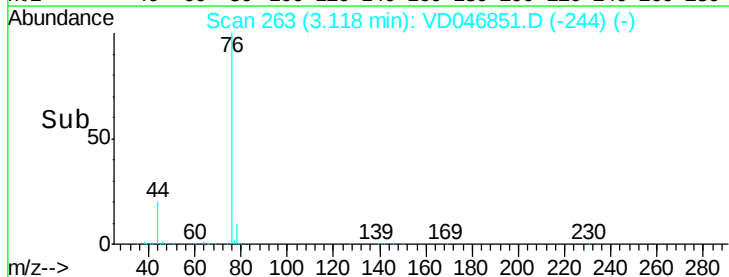
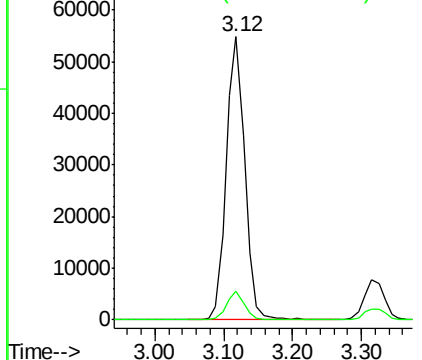
76 100

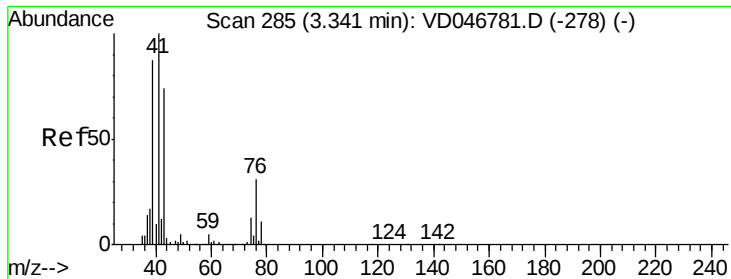
78 9.9 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





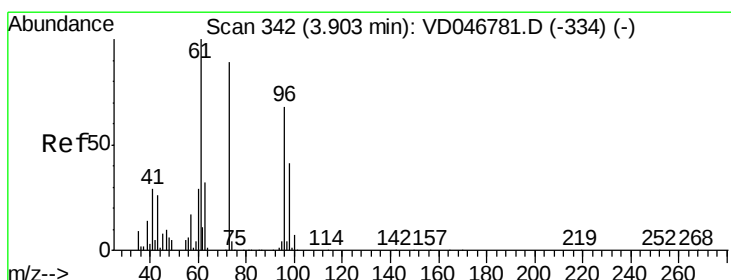
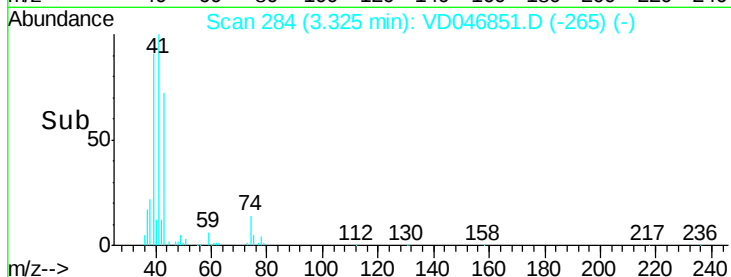
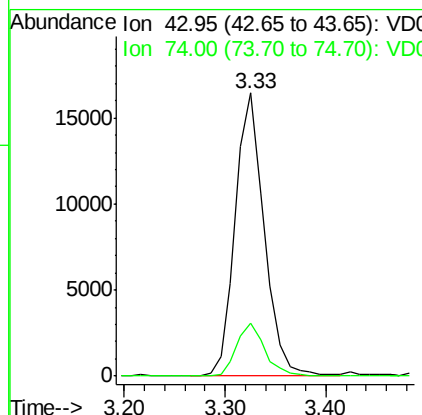
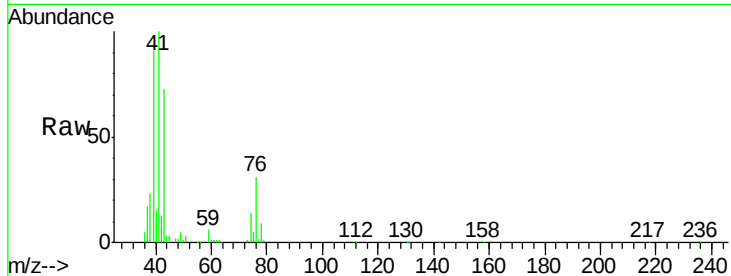
#19
Methyl Acetate
Concen: 18.61 ug/l
RT: 3.33 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 43 Resp: 32888
Ion Ratio Lower Upper
43 100
74 18.8 13.7 20.5

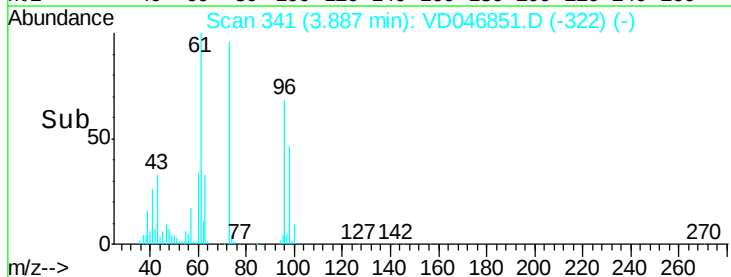
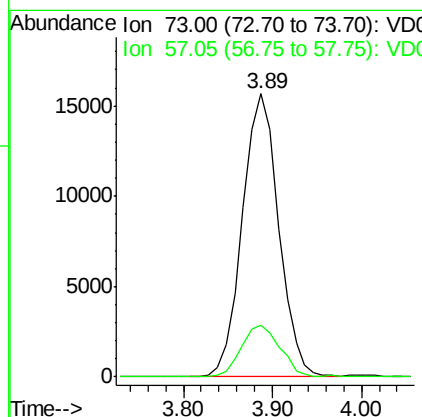
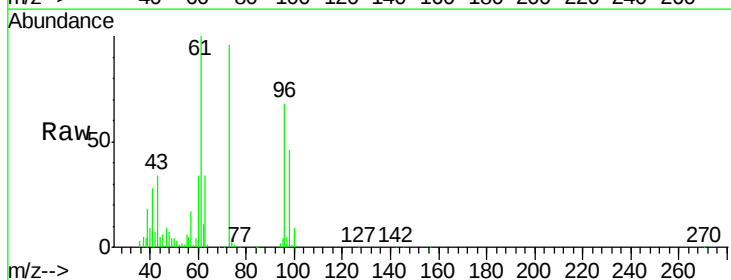
Manual Integrations
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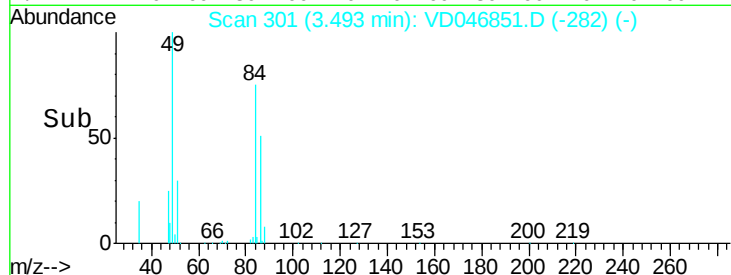
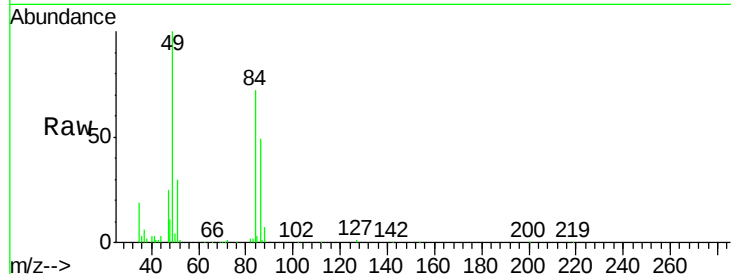
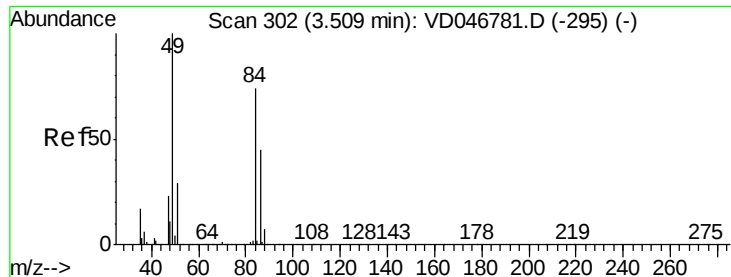
MMDadoda
9/24/2015 12:56:53 PM



#20
Methyl tert-butyl Ether
Concen: 20.36 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 73 Resp: 44364
Ion Ratio Lower Upper
73 100
57 18.1 18.1 27.1





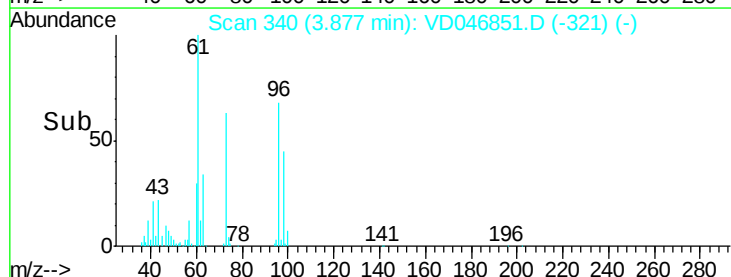
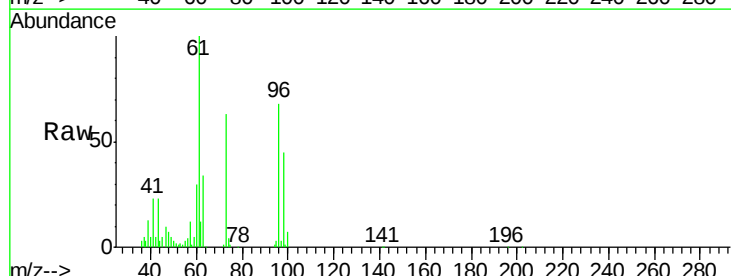
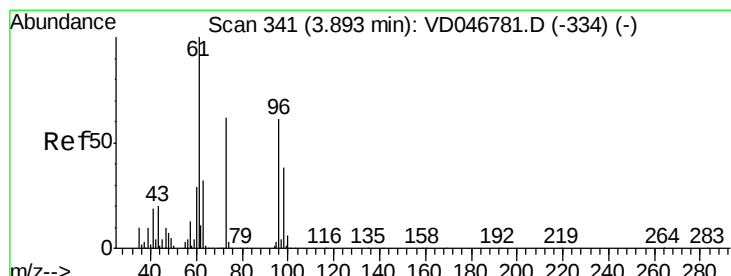
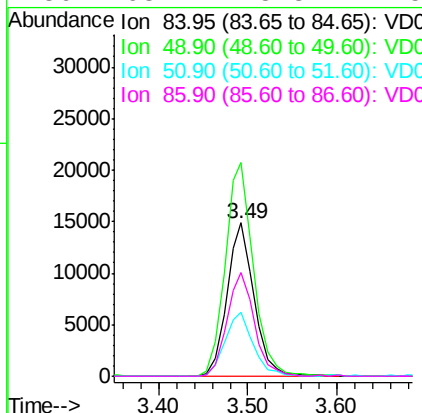
#21
Methvlene Chloride
Concen: 19.11 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tot Ion:	84	Resp:	31648
Ion	Ratio	Lower	Upper
84	100		
49	139.5	122.1	183.1
51	42.1	33.6	50.4
86	68.1	48.3	72.5

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

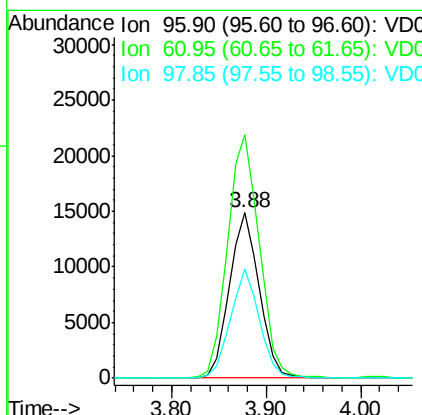
Manual Integrations
APPROVED

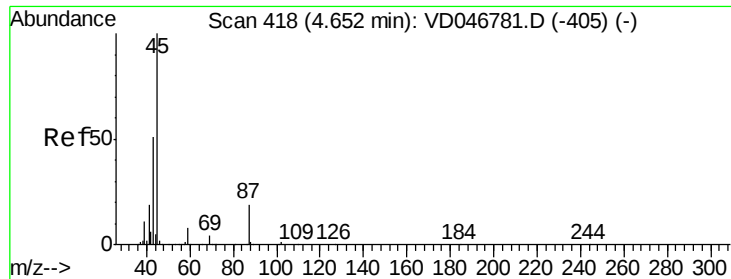
MMDadoda
9/24/2015 12:56:53 PM



#22
trans-1,2-Dichloroethene
Concen: 20.55 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:	96	Resp:	32235
Ion	Ratio	Lower	Upper
96	100		
61	147.4	125.8	188.6
98	65.9	54.5	81.7





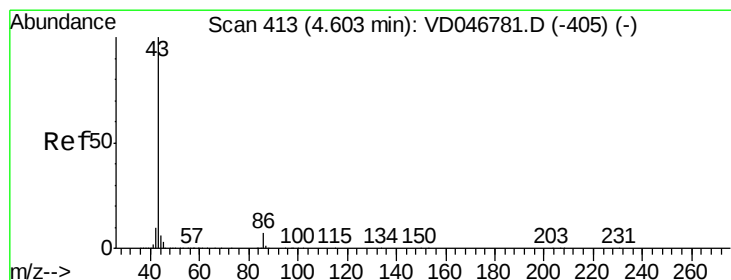
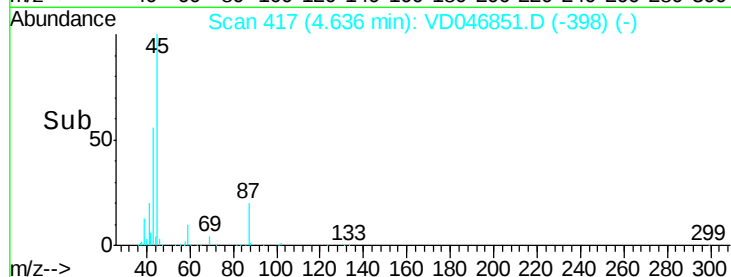
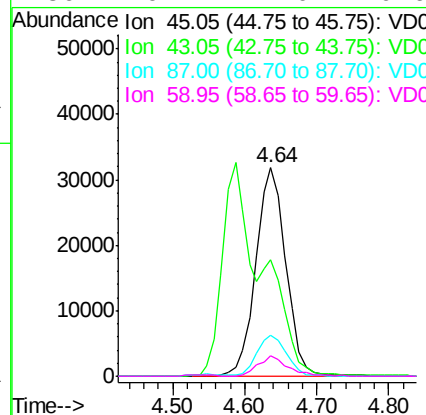
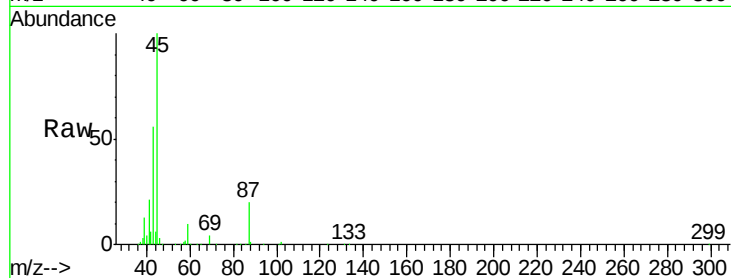
#23
Diisopropyl ether
Concen: 19.73 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
45	100		
43	55.7	35.9	53.9#
87	19.8	13.0	19.6#
59	9.7	7.0	10.6

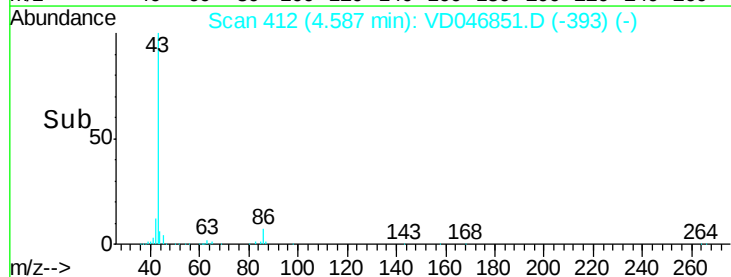
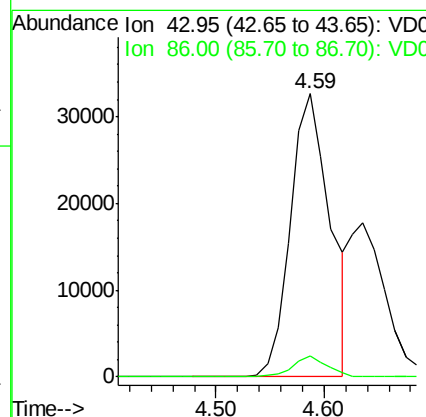
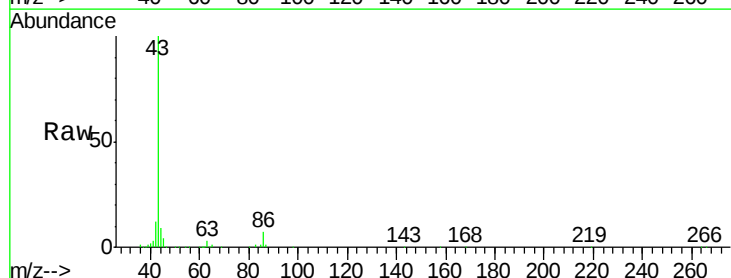
Manual Integrations
APPROVED

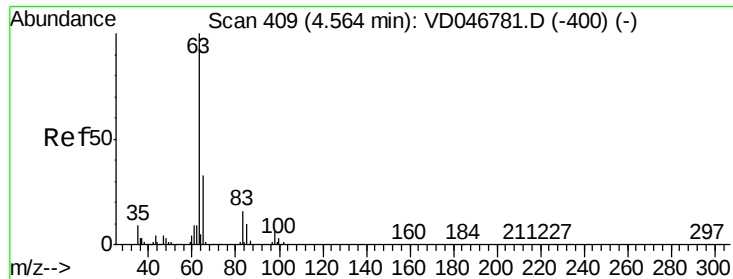
MMDadoda
9/24/2015 12:56:53 PM



#24
Vinyl Acetate
Concen: 86.41 ug/l
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	4.9	7.3#





#25

1,1-Dichloroethane

Concen: 20.71 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

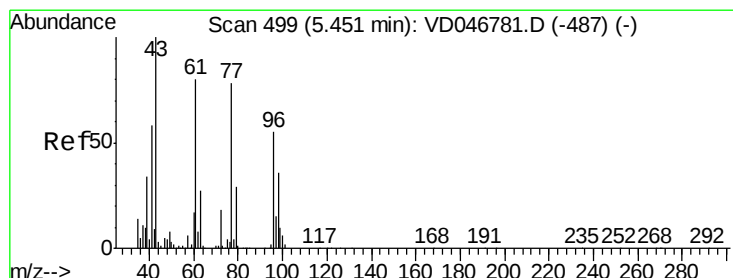
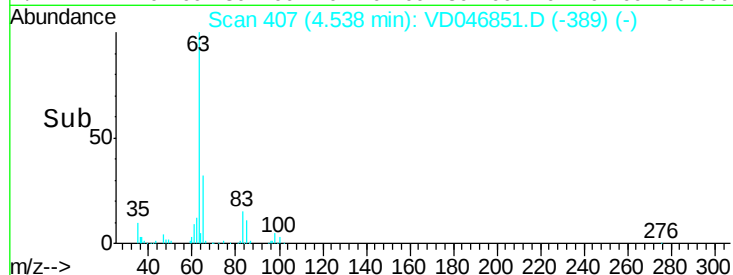
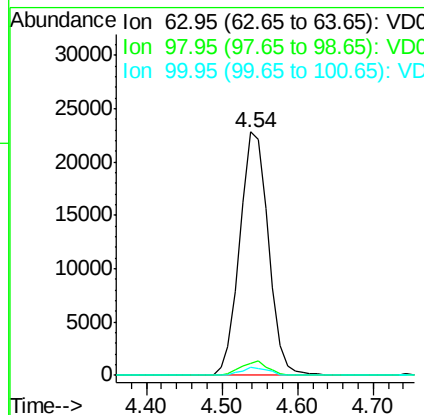
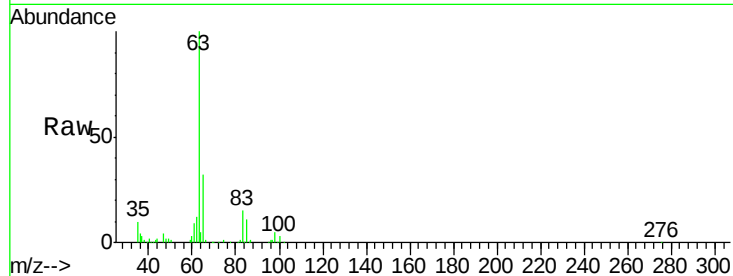
ClientSampleId :

VD0923SBS01

Tot Ion:	63	Resp:	59820
Ion Ratio	Lower	Upper	
63	100		
98	4.7	2.5	7.5
100	3.1	1.5	4.5

Manual Integrations
APPROVED

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#26

2-Butanone

Concen: 99.11 ug/l

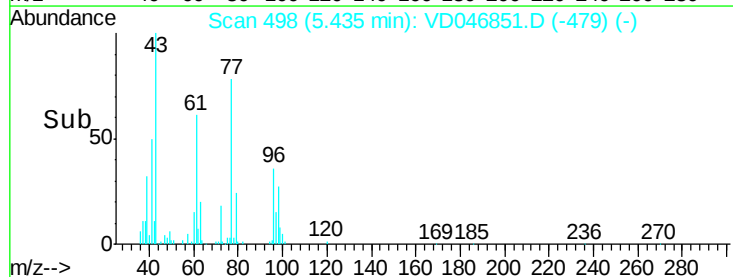
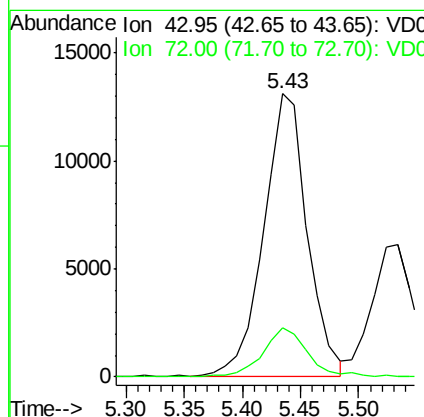
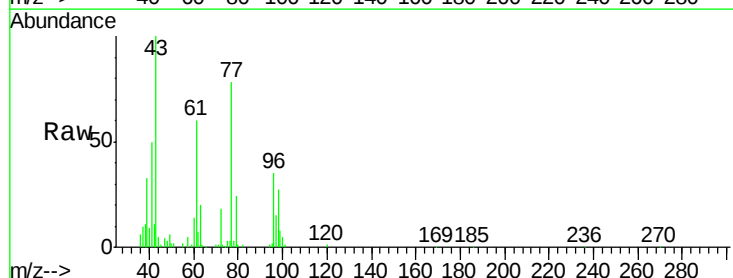
RT: 5.43 min Scan# 498

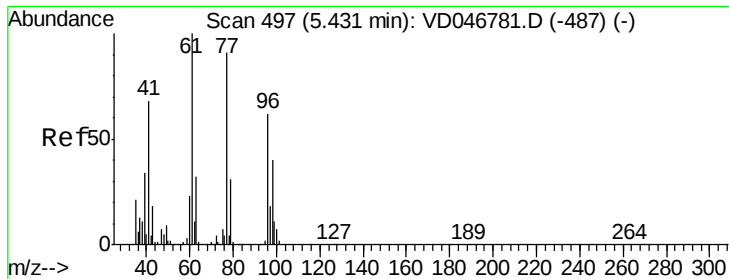
Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion:	43	Resp:	33973
Ion Ratio	Lower	Upper	
43	100		
72	17.6	13.4	20.0





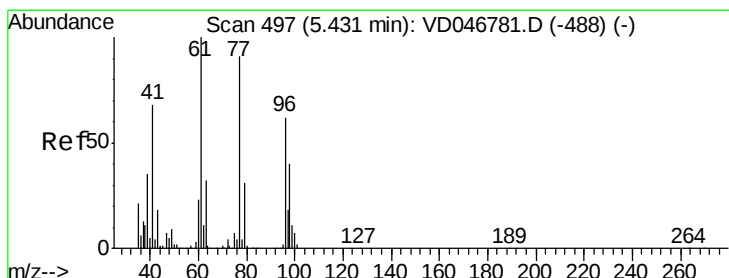
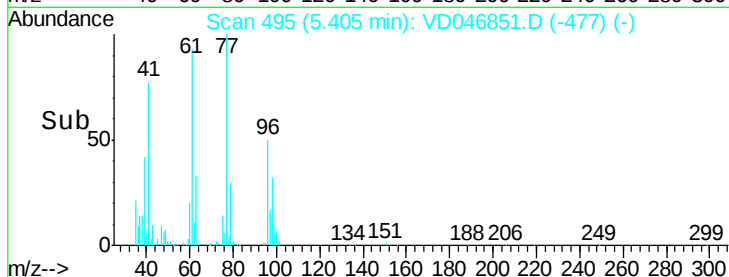
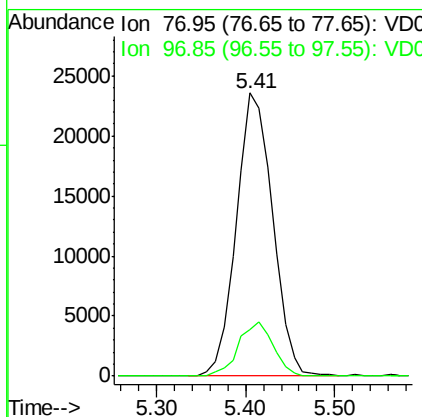
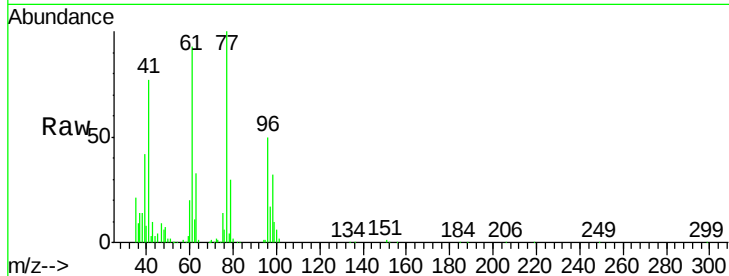
#27
 2,2-Dichloropropane
 Concen: 22.51 ug/l
 RT: 5.41 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBSD01

Tot Ion: 77 Resp: 66800
 Ion Ratio Lower Upper
 77 100
 97 16.7 10.4 31.1

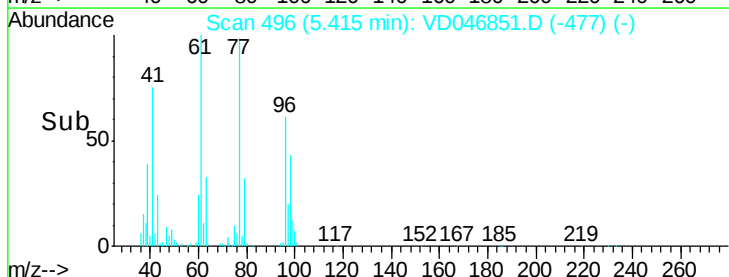
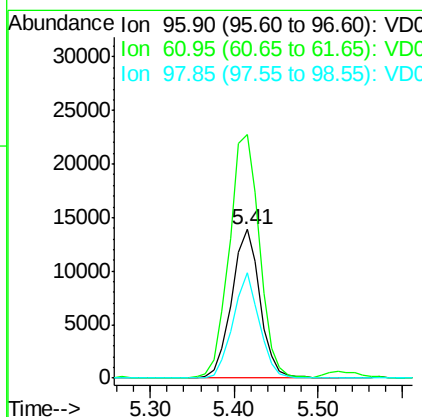
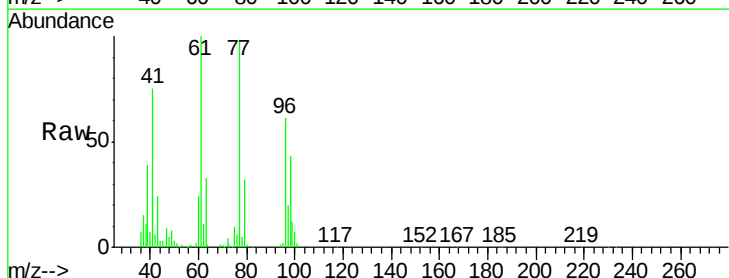
Manual Integrations
 APPROVED

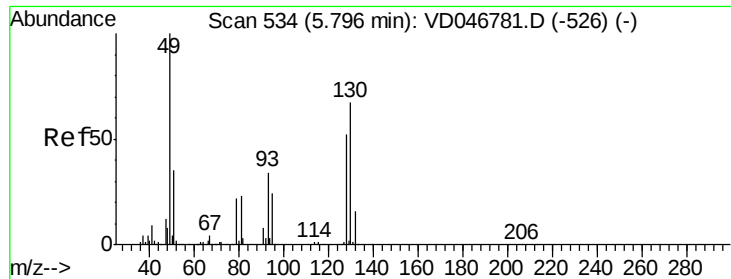
MMDadoda
 9/24/2015 12:56:53 PM



#28
 cis-1,2-Dichloroethene
 Concen: 19.88 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 96 Resp: 32464
 Ion Ratio Lower Upper
 96 100
 61 164.0 0.0 348.0
 98 70.7 0.0 128.8





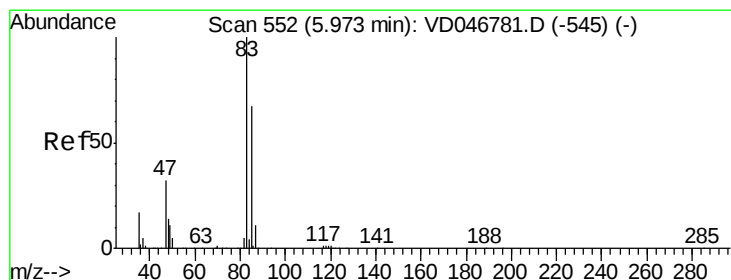
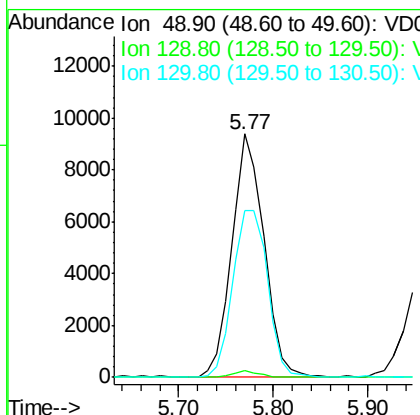
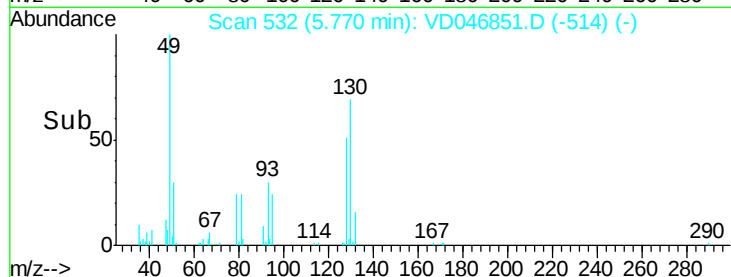
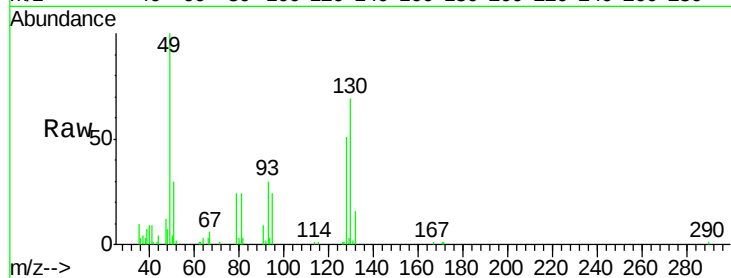
#29
Bromochloromethane
Concen: 19.42 ug/l
RT: 5.77 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 49 Resp: 22103
Ion Ratio Lower Upper
49 100
129 3.0 0.0 2.8#
130 68.7 50.2 75.4

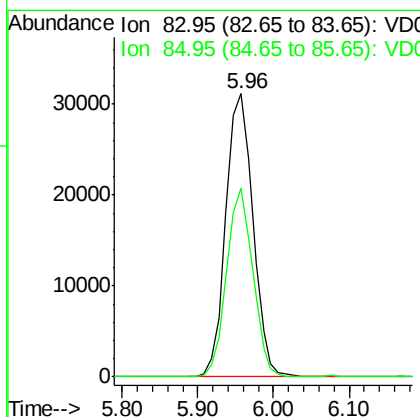
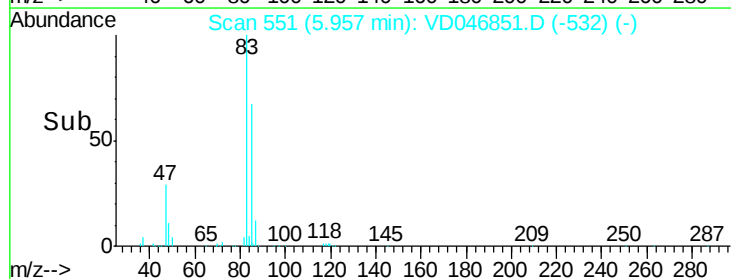
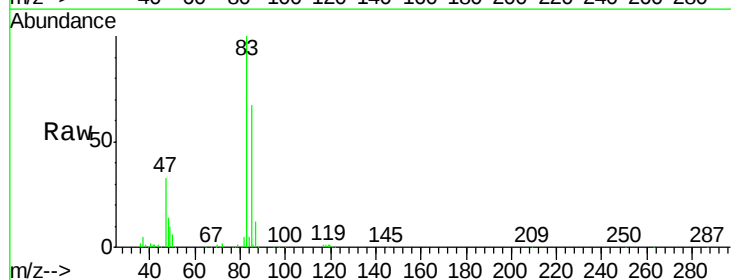
Manual Integrations
APPROVED

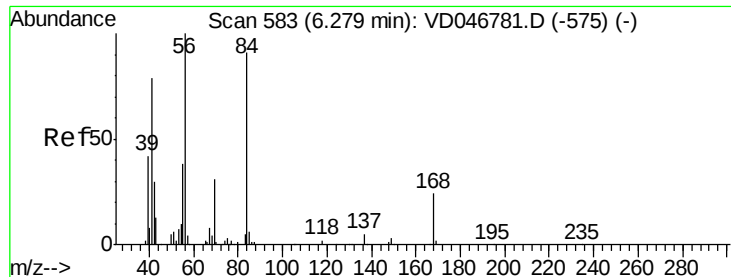
MMDadoda
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#30
Chloroform
Concen: 22.14 ug/l
RT: 5.96 min Scan# 551
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 83 Resp: 77565
Ion Ratio Lower Upper
83 100
85 66.8 52.5 78.7





#31

Cyclohexane

Concen: 19.28 ug/l

RT: 6.26 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

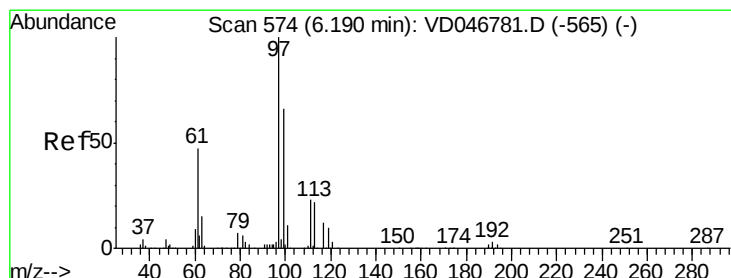
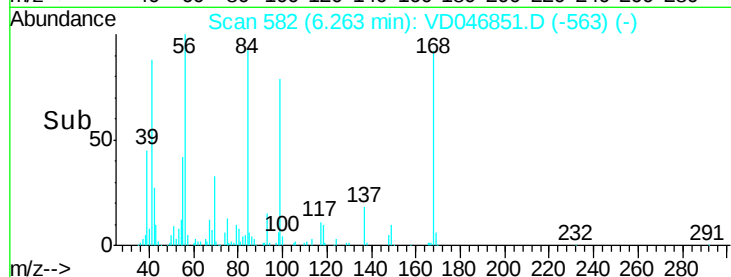
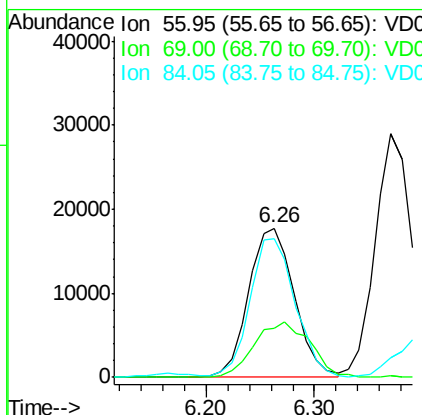
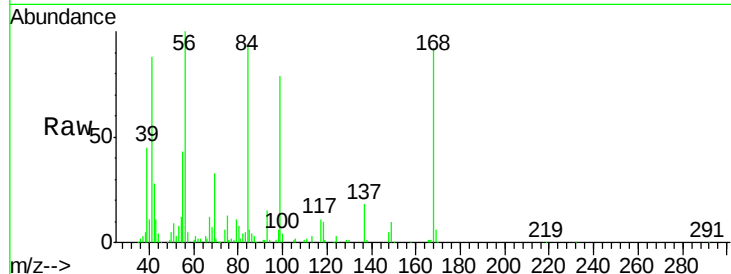
ClientSampleId :

VD0923SBS01

Tot Ion:	56	Resp:	52252
Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.4	35.0
84	92.9	63.8	95.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.80 ug/l

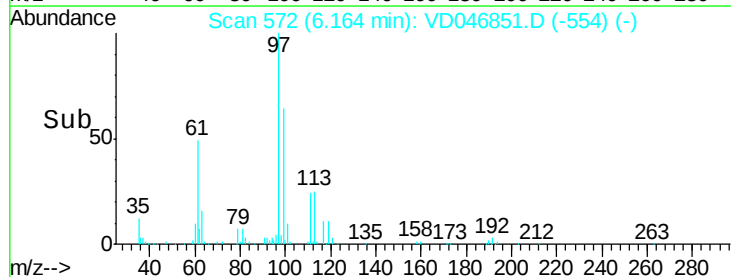
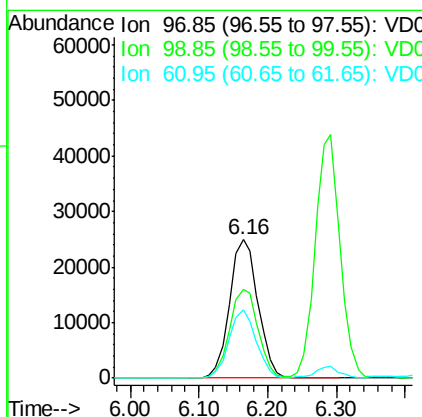
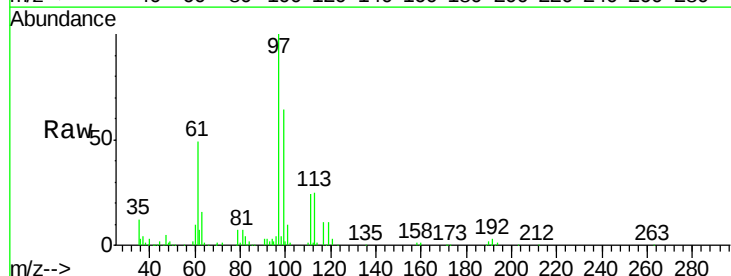
RT: 6.16 min Scan# 572

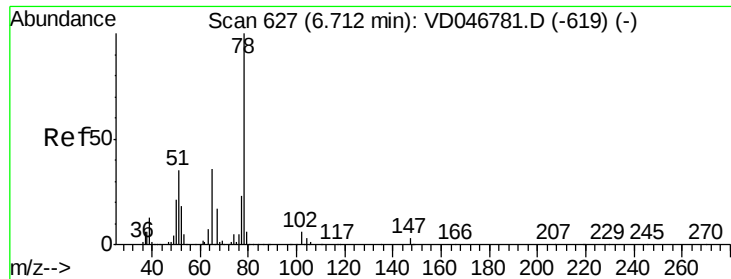
Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion:	97	Resp:	71102
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.2	75.4
61	49.0	38.6	57.8





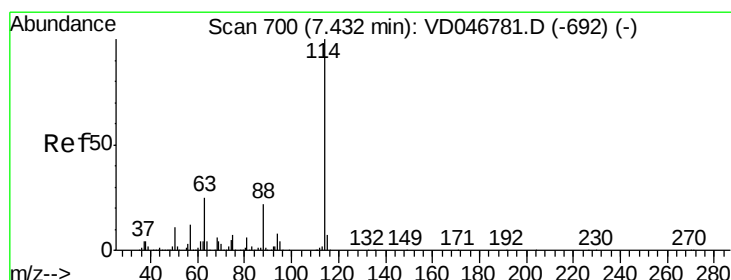
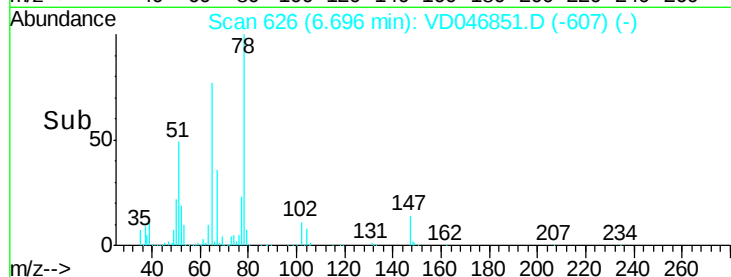
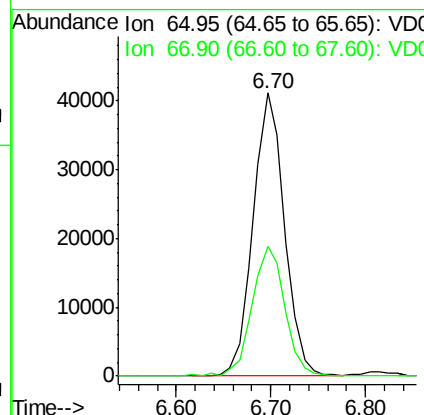
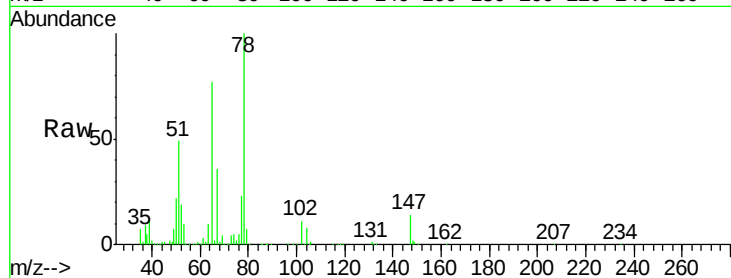
#33
 1,2-Dichloroethane-d4
 Concen: 22.80 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	94990		
67	46.0	0.0	0.0	105.4

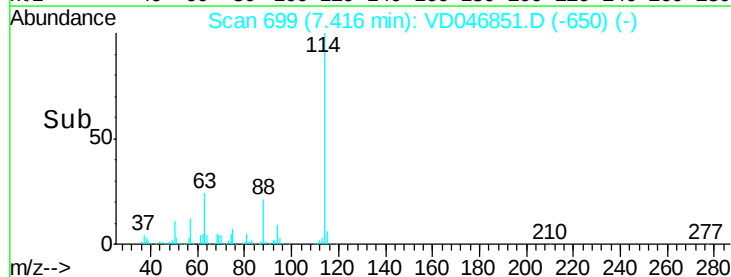
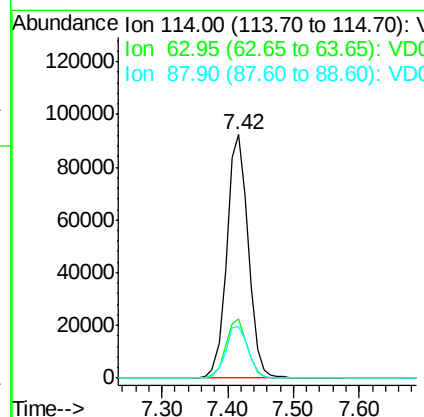
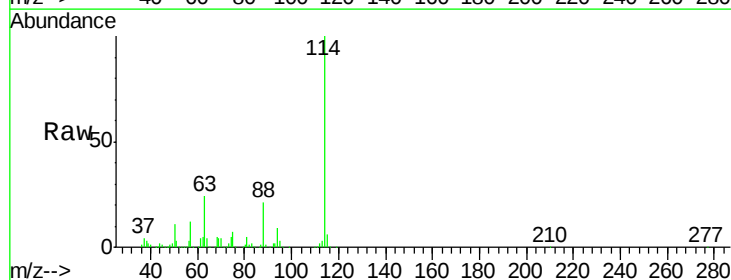
Manual Integrations
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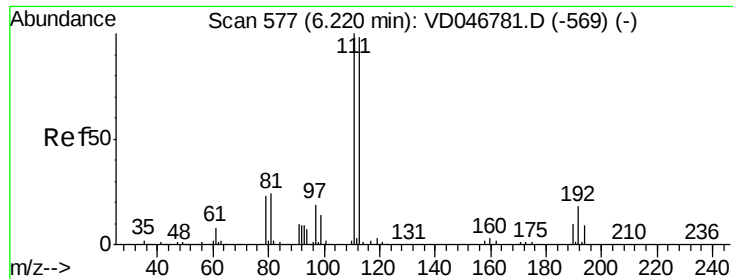
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	210030		
63	24.1	0.0	0.0	49.8
88	21.3	0.0	0.0	43.6





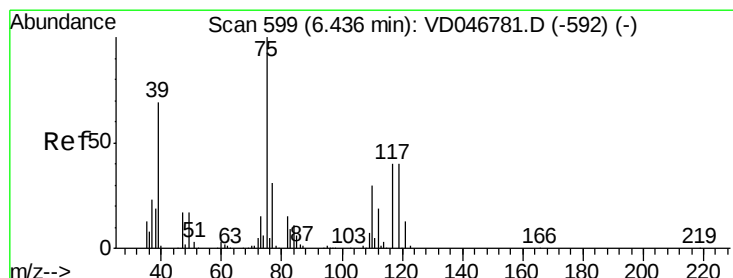
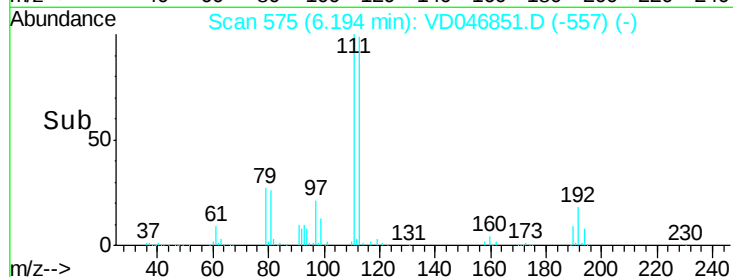
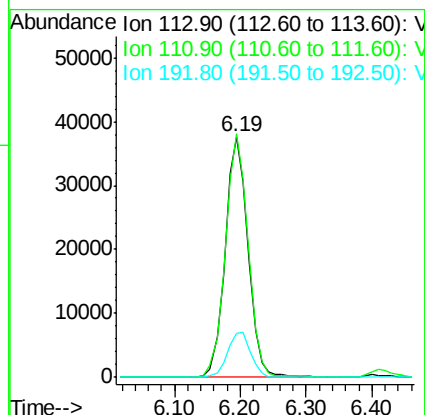
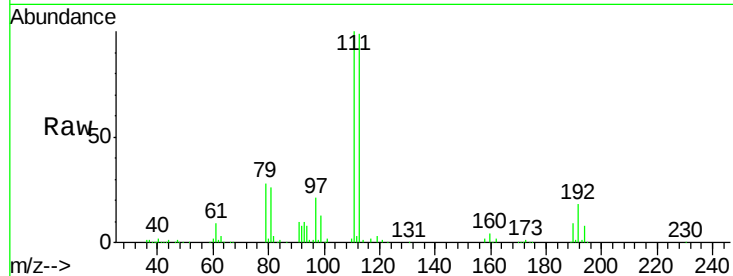
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	79.4	119.0
192	18.5	14.6	22.0

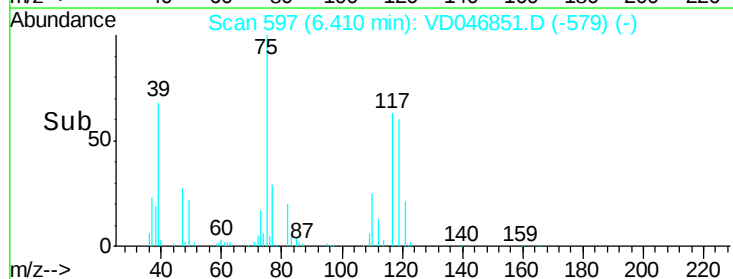
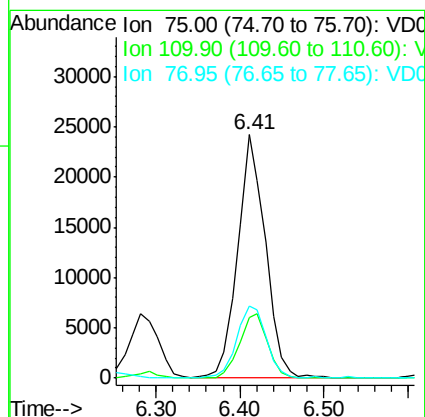
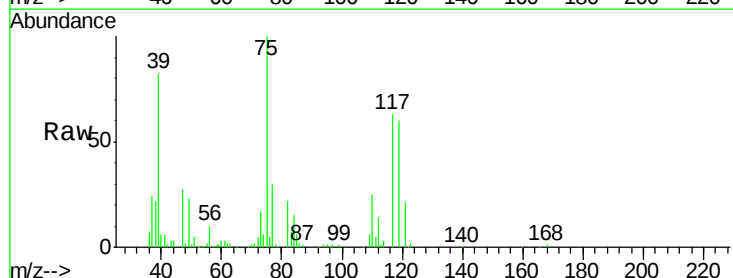
Manual Integrations
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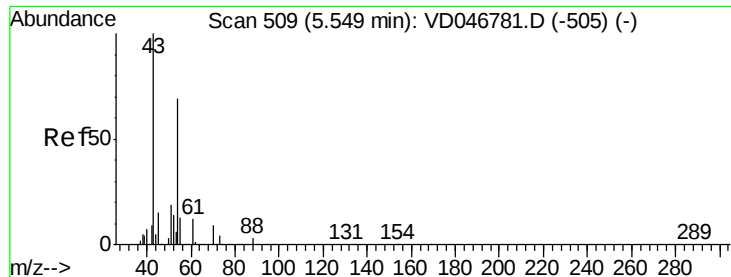
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 22.68 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.0	13.7	41.0
77	29.7	24.7	37.1





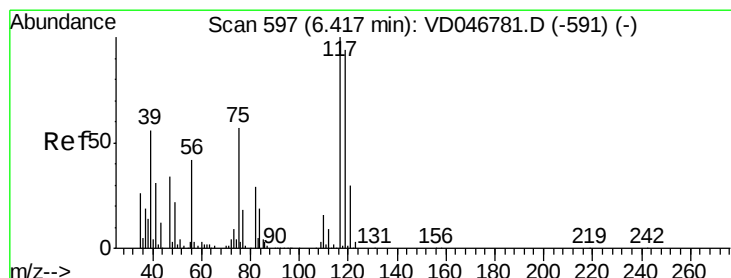
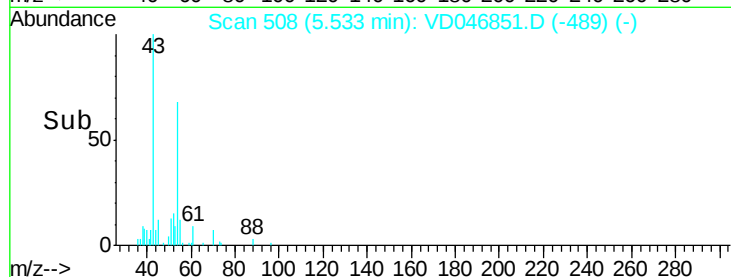
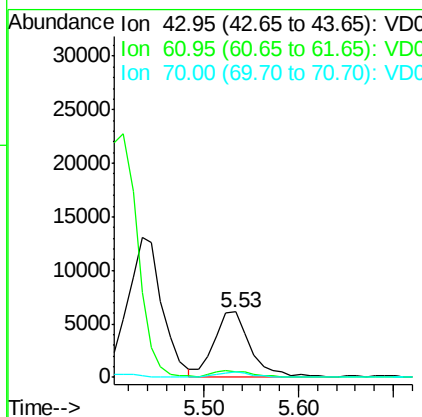
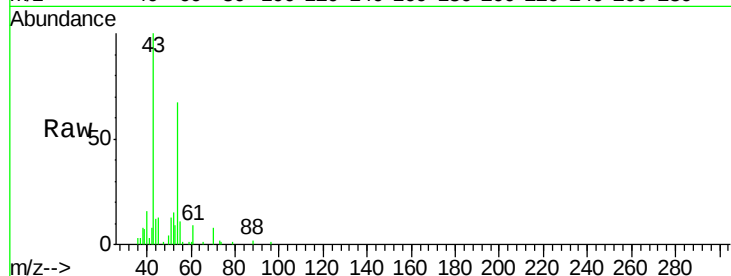
#37
Ethyl Acetate
Concen: 20.84 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.3	9.4	14.2#
70	7.7	6.0	9.0

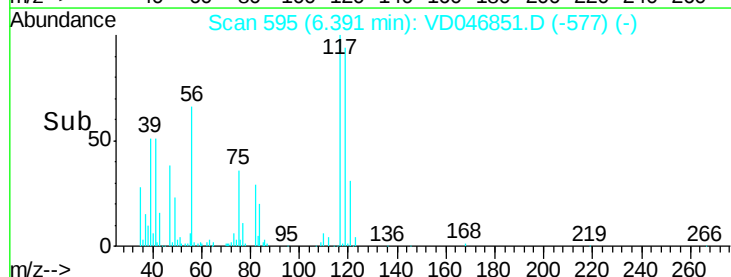
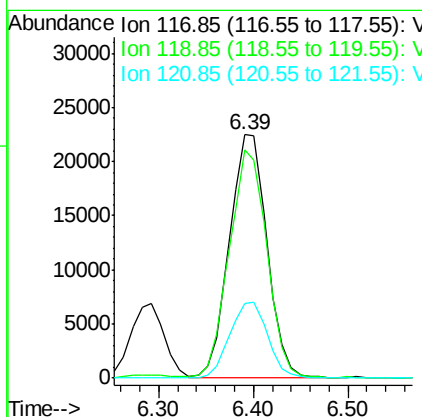
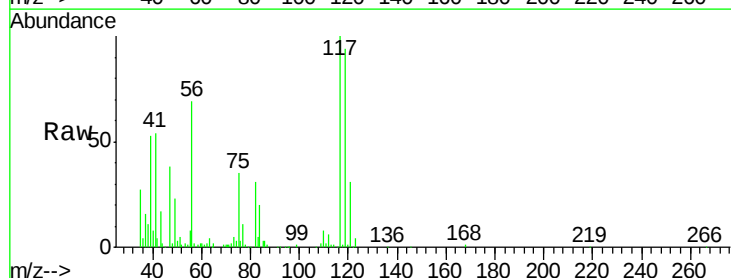
Manual Integrations
APPROVED

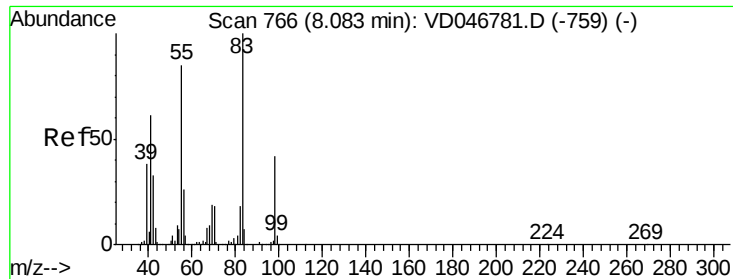
MMDadoda
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#38
Carbon Tetrachloride
Concen: 24.32 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.2	114.4
121	30.8	24.5	36.7





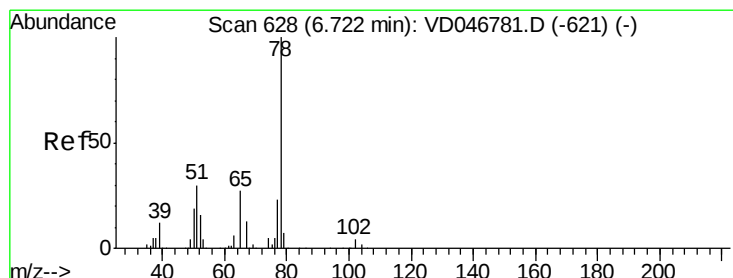
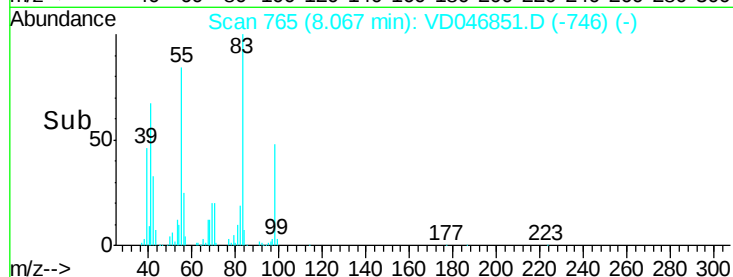
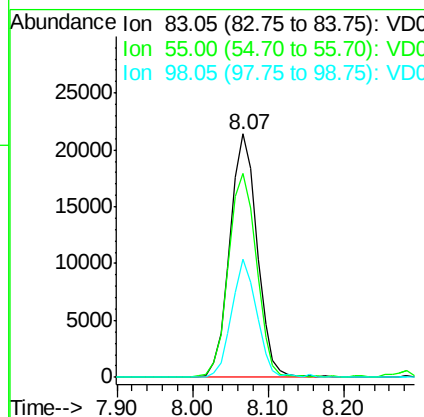
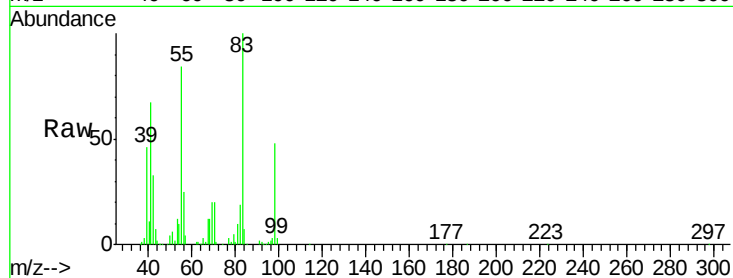
#39
Methvlcvclohexane
Concen: 21.45 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	71.1	106.7
98	48.4	34.6	51.8

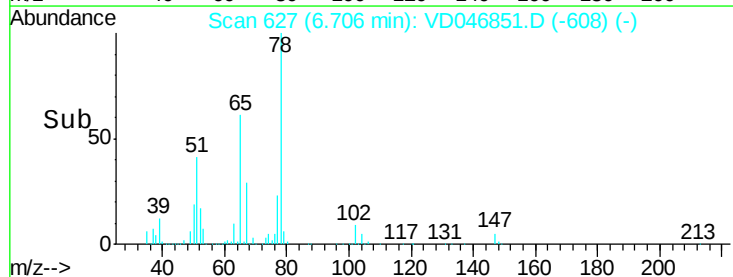
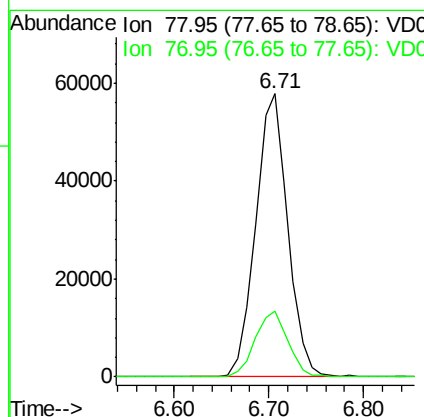
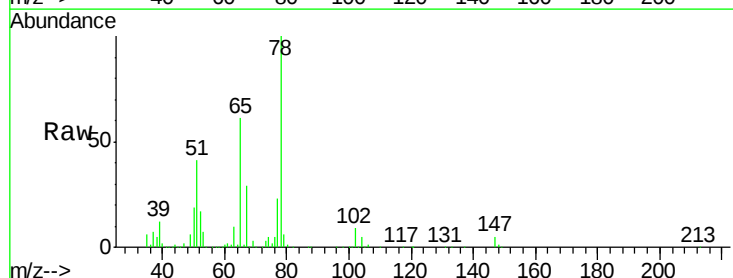
Manual Integrations
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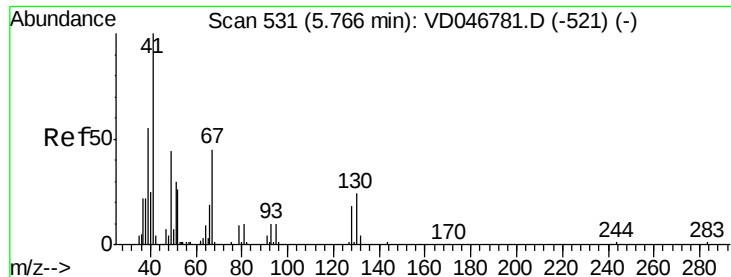
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#40
Benzene
Concen: 21.71 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9





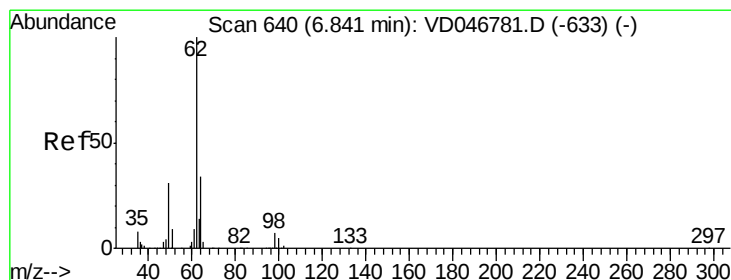
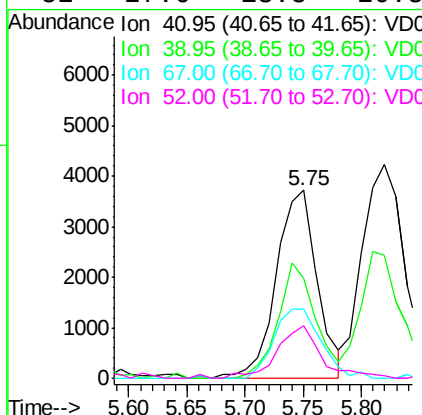
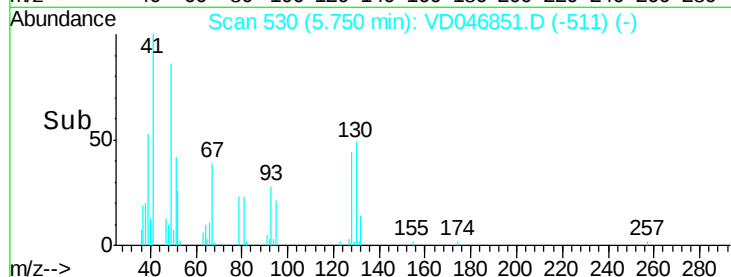
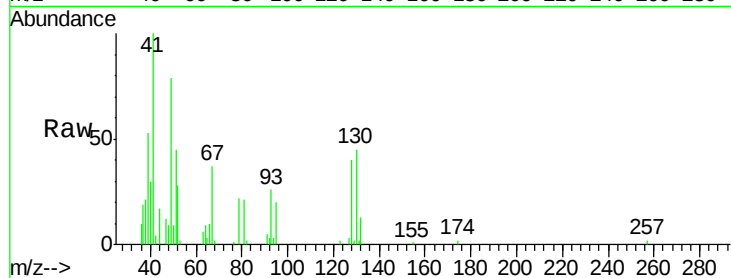
#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	40.2	60.4
67	36.5	32.0	48.0
52	27.6	13.8	20.8

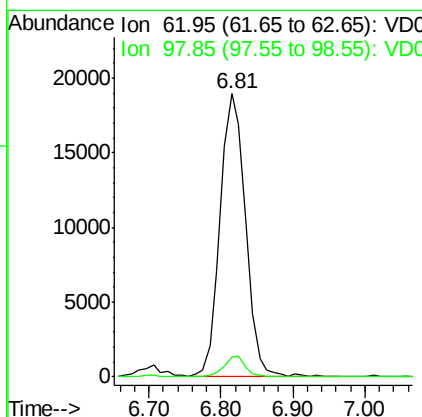
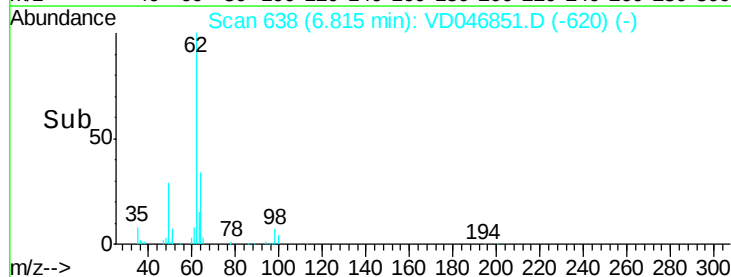
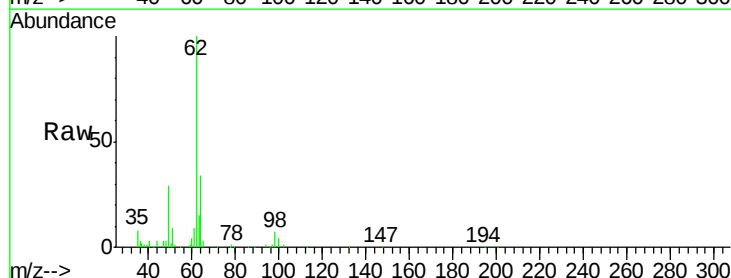
Manual Integrations
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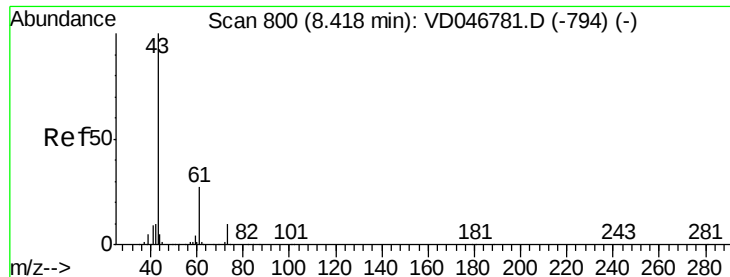
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#42
1,2-Dichloroethane
Concen: 23.79 ug/l
RT: 6.81 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





#43

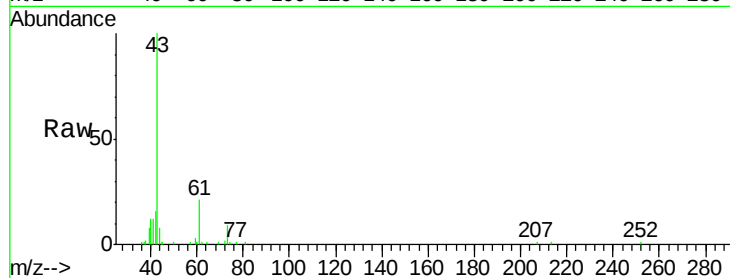
Isopropyl Acetate
 Concen: 19.47 ug/l
 RT: 8.39 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

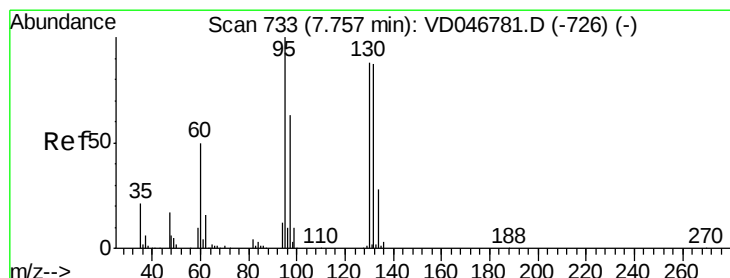
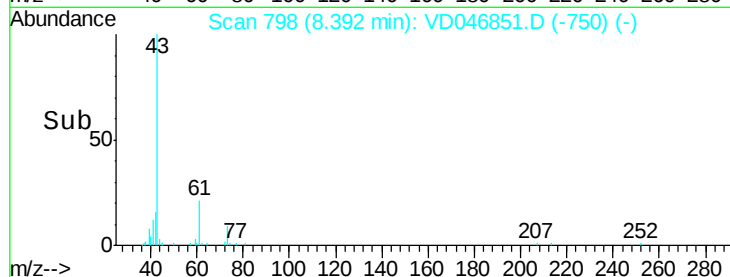
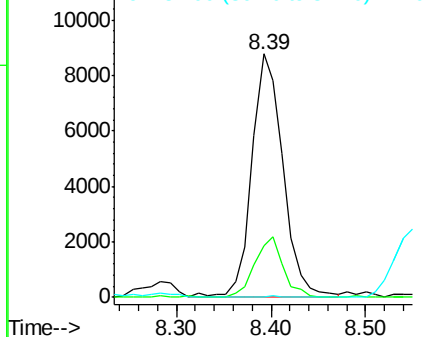
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	19.5	29.3
87	0.0	0.2	0.2#

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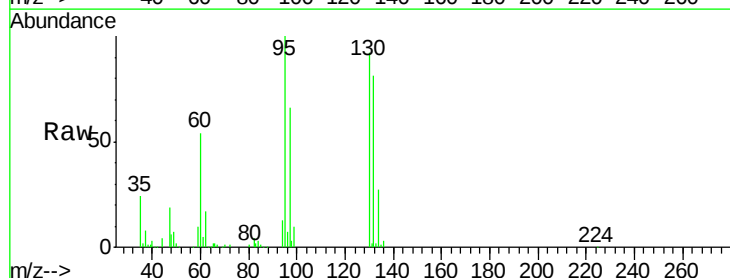
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



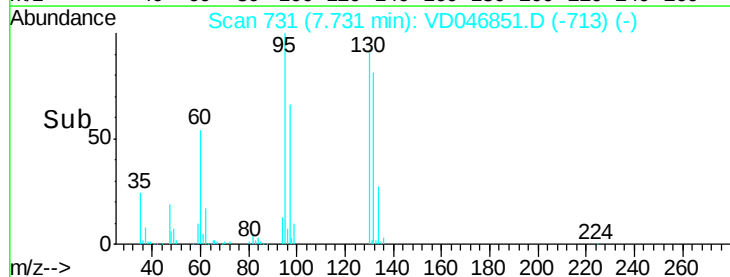
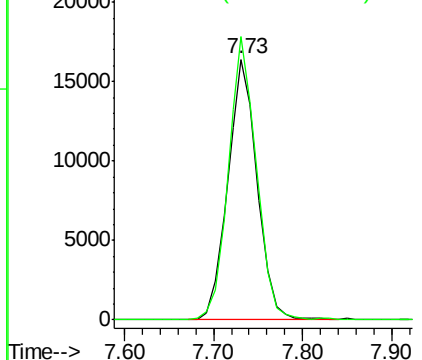
#44

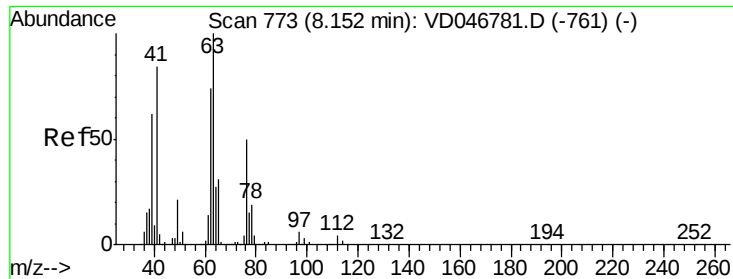
Trichloroethene
 Concen: 24.08 ug/l
 RT: 7.73 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.63 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 63 Resp: 30480

Ion Ratio Lower Upper

63 100

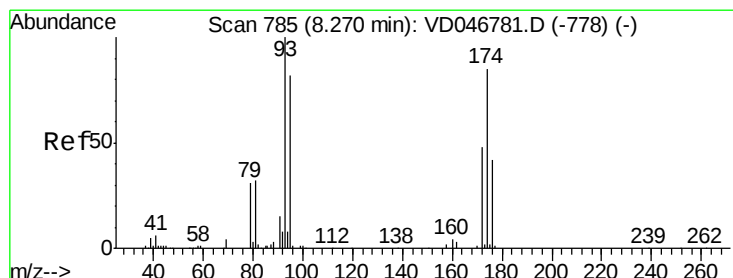
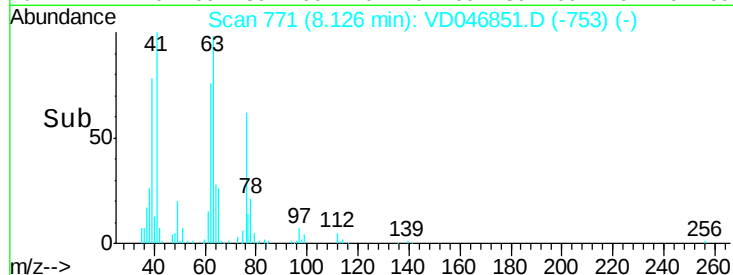
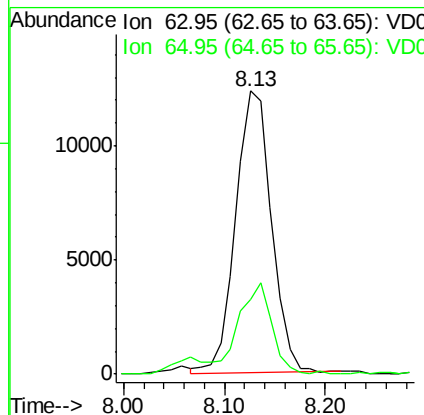
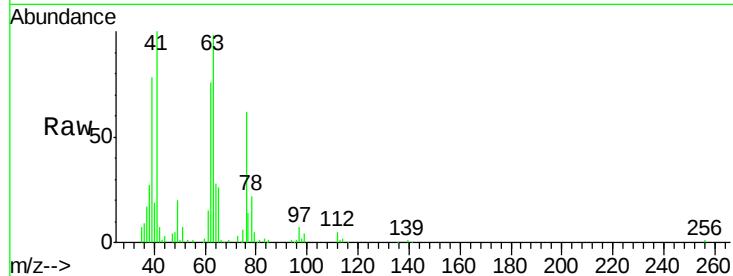
65 26.3 25.1 37.7

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#46

Dibromomethane

Concen: 21.53 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

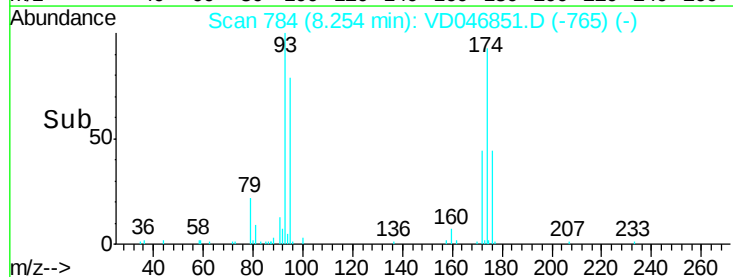
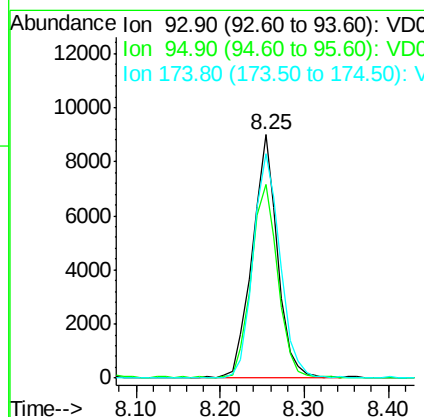
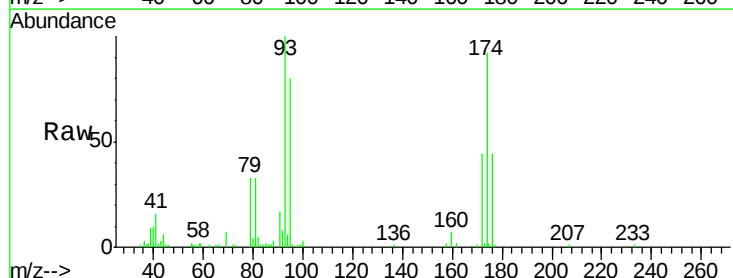
Tgt Ion: 93 Resp: 18978

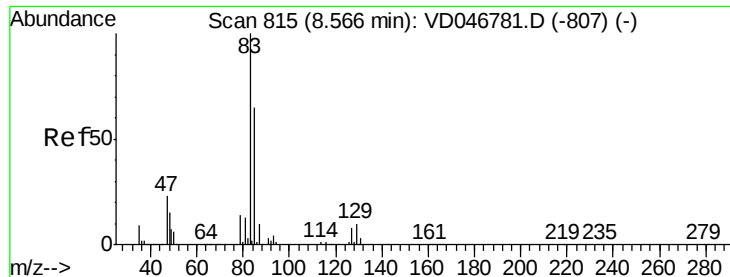
Ion Ratio Lower Upper

93 100

95 79.6 70.2 105.2

174 92.4 79.0 118.4





#47

Bromodichloromethane

Concen: 23.33 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

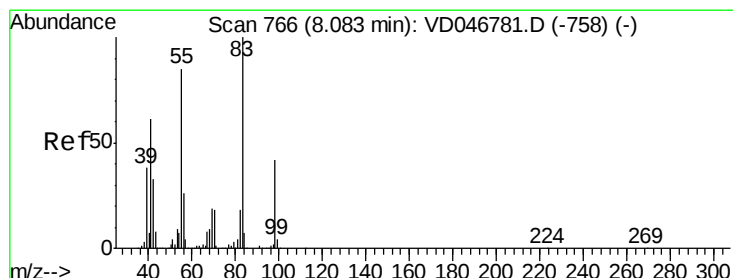
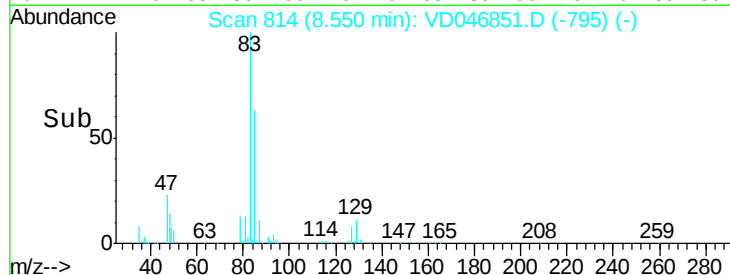
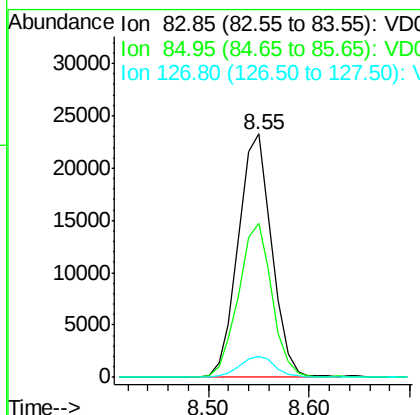
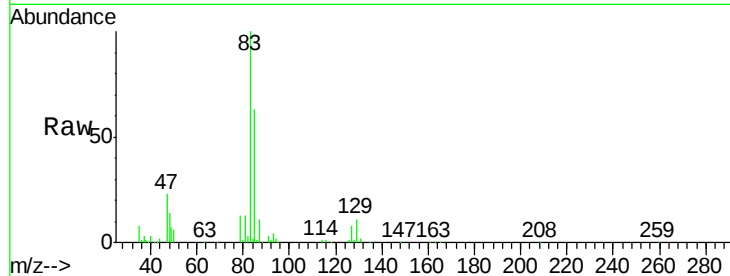
ClientSampleId :

VD0923SBSD01

Tot Ion:	83	Resp:	53982
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8
127	8.4	5.7	8.5

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9/24/2015 12:56:53 PM



#48

Methyl methacrylate

Concen: 22.18 ug/l

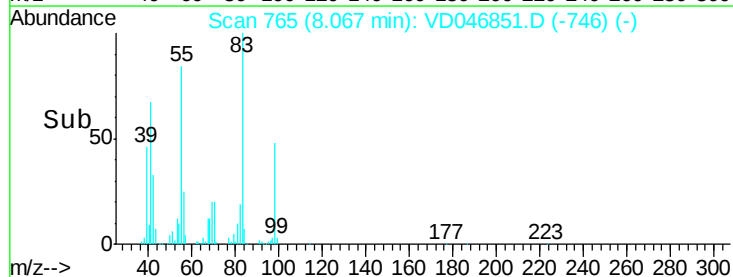
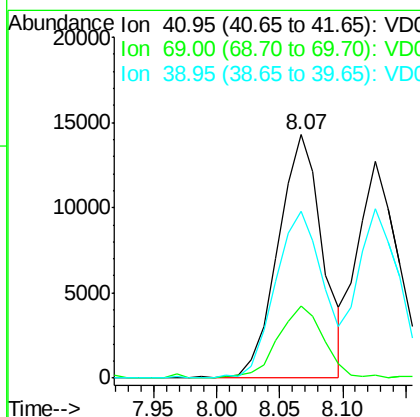
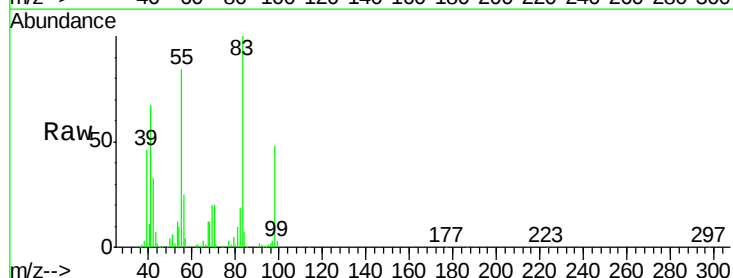
RT: 8.07 min Scan# 765

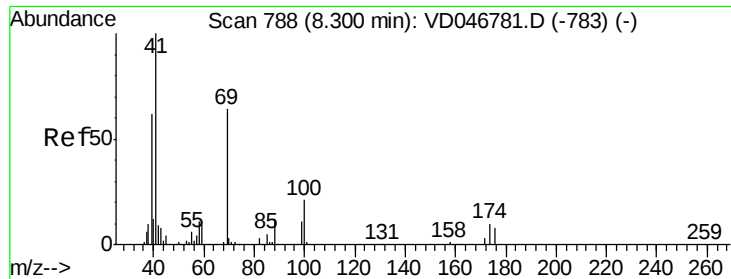
Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion:	41	Resp:	35241
Ion	Ratio	Lower	Upper
41	100		
69	29.6	25.3	37.9
39	68.7	47.4	71.0





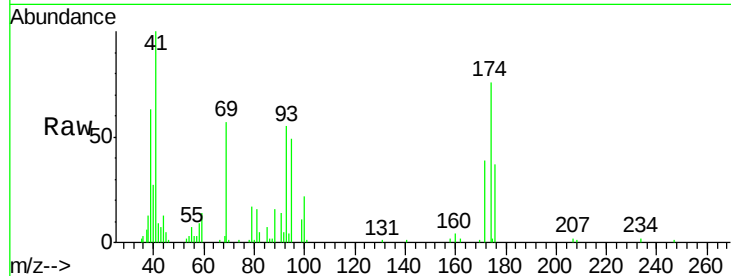
#49
1,4-Dioxane
Concen: 364.07 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

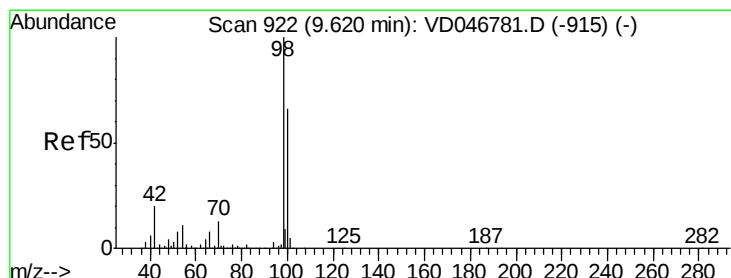
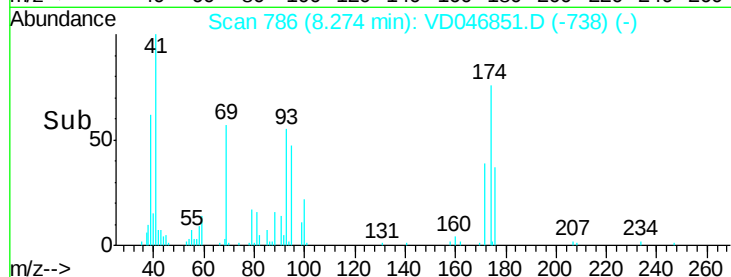
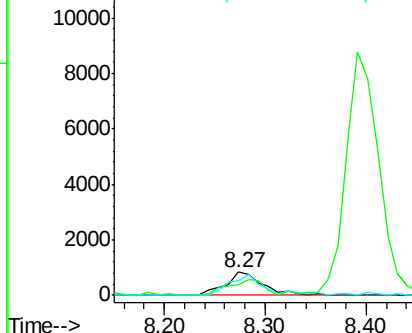
Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	50.0	75.0#
58	60.1	48.3	72.5

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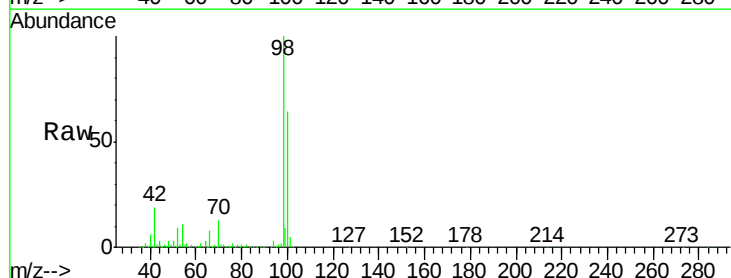


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

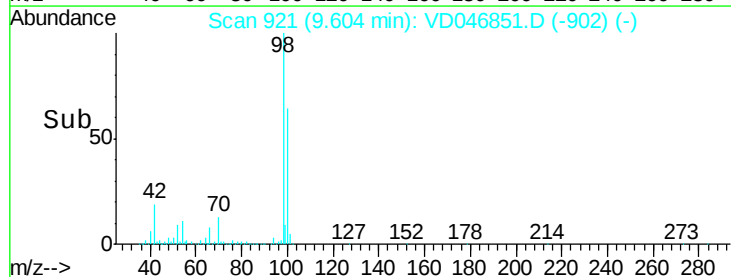
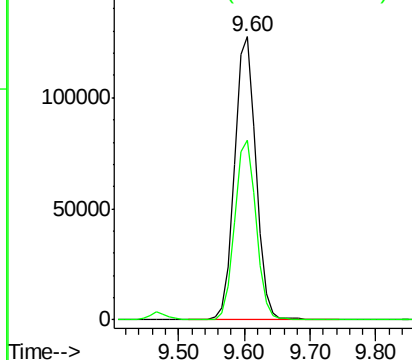


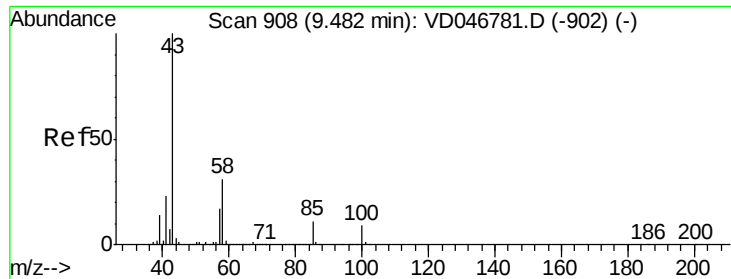
#50
Toluene-d8
Concen: 364.07 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.9	74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.38 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tot Ion: 43 Resp: 73878

Ion Ratio Lower Upper

43 100

58 31.4 22.2 33.2

Instrument :

MSVOA_D

ClientSampleId :

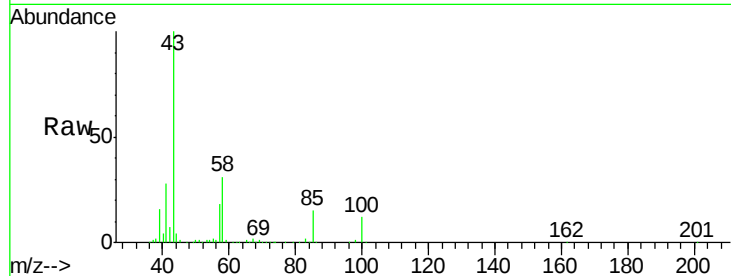
VD0923SBS01

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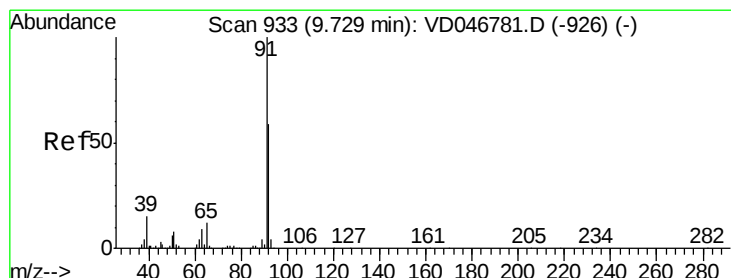
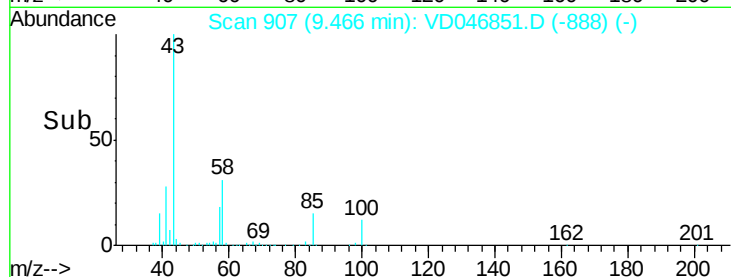
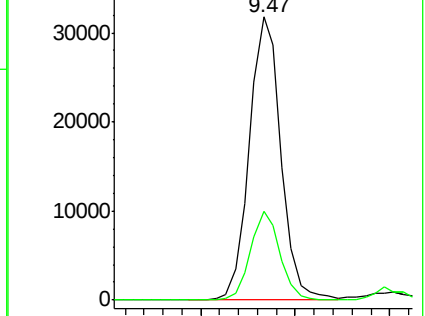
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9/24/2015 12:56:53 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.35 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046851.D

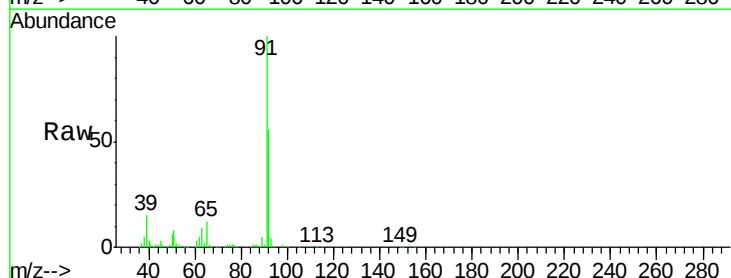
Acq: 23 Sep 2015 13:24

Tgt Ion: 92 Resp: 90258

Ion Ratio Lower Upper

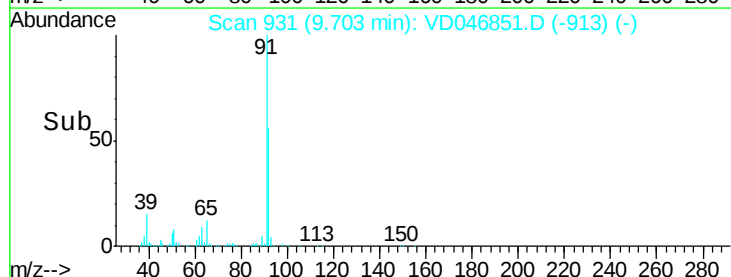
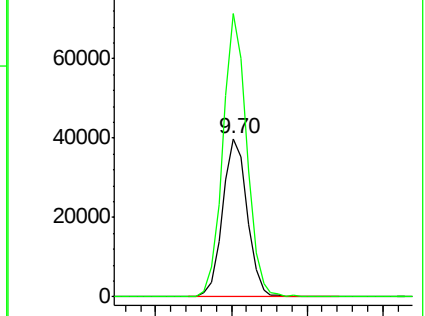
92 100

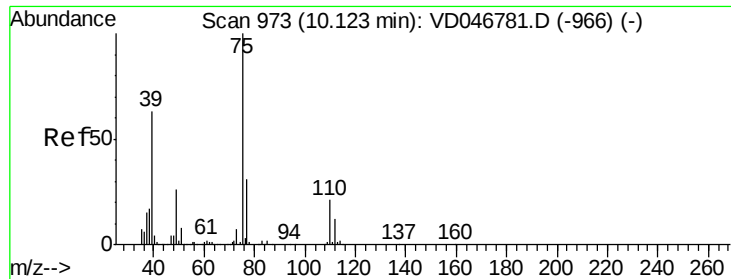
91 178.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.90 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 75 Resp: 37406

Ion Ratio Lower Upper

75 100

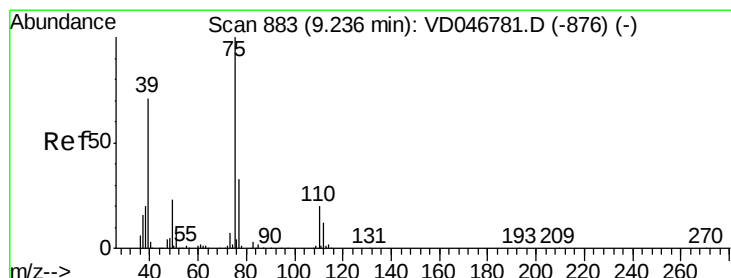
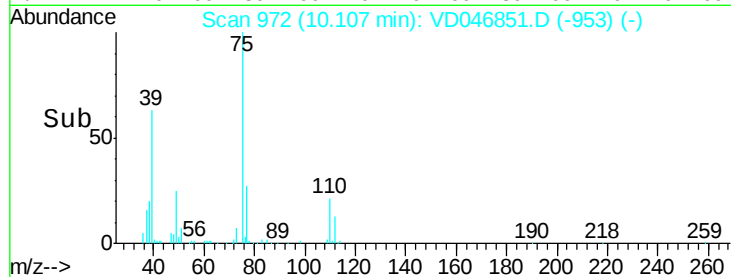
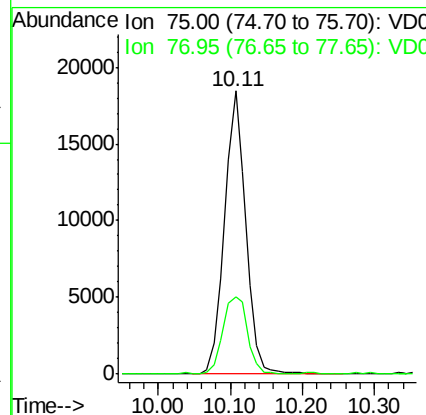
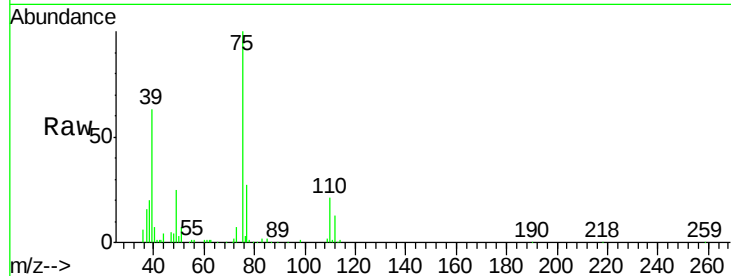
77 27.2 27.6 41.4#

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9/24/2015 12:56:53 PM



#54

cis-1,3-Dichloropropene

Concen: 21.77 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

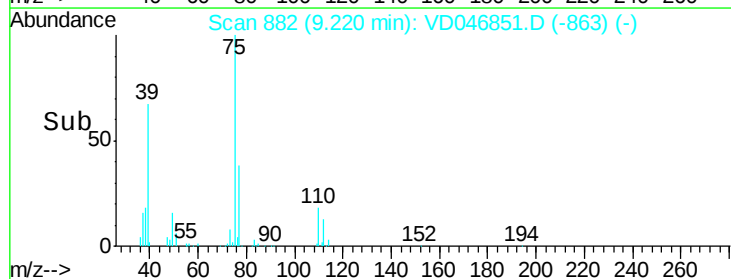
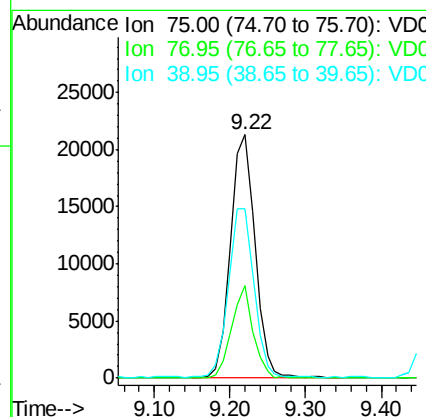
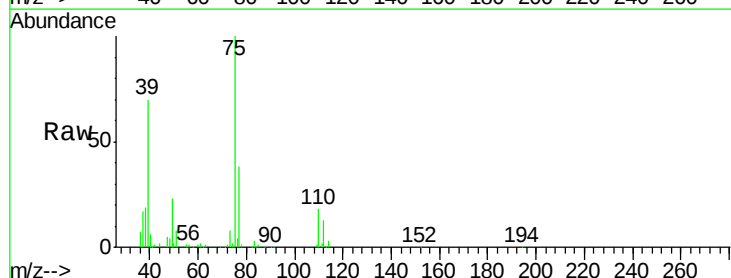
Tgt Ion: 75 Resp: 47878

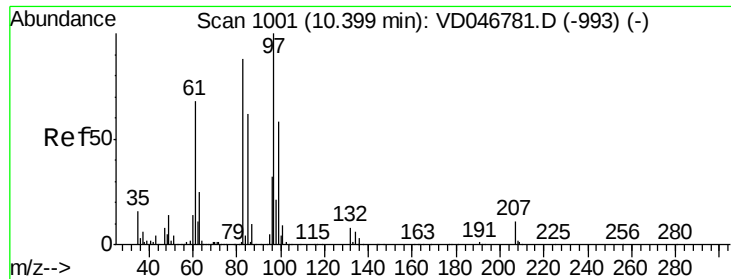
Ion Ratio Lower Upper

75 100

77 38.0 23.8 35.6#

39 69.8 53.0 79.6





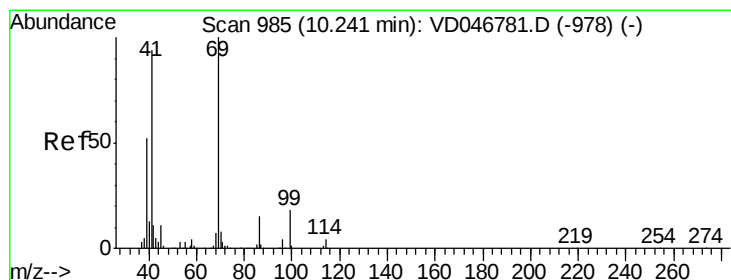
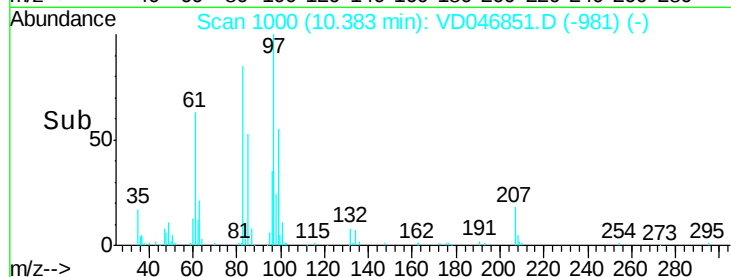
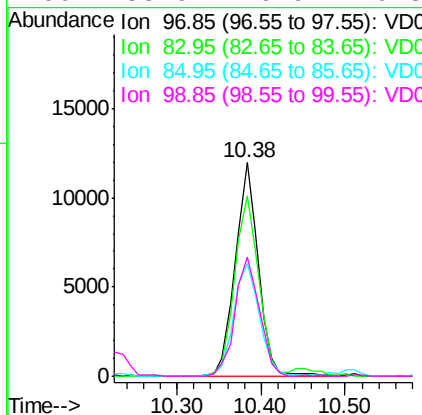
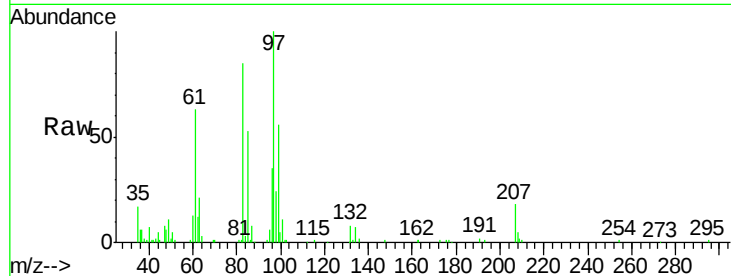
#55
 1,1,2-Trichloroethane
 Concen: 22.94 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion:	97	Resp:	22954
Ion	Ratio	Lower	Upper
97	100		
83	84.6	75.3	112.9
85	52.6	50.9	76.3
99	55.9	46.9	70.3

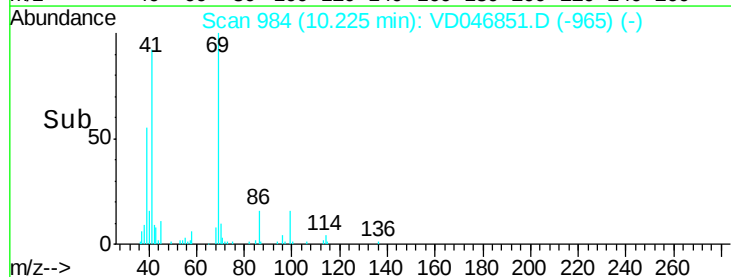
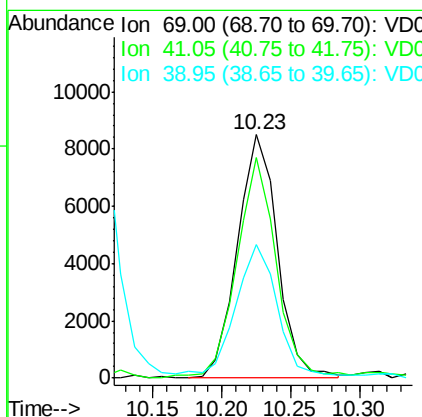
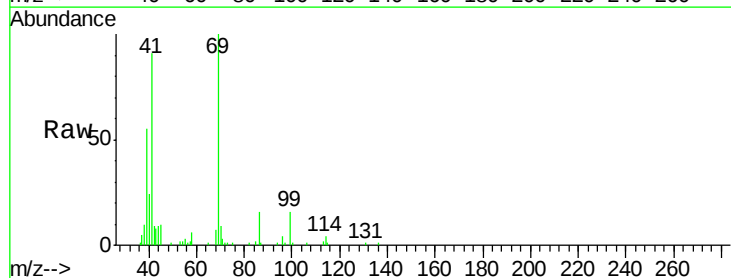
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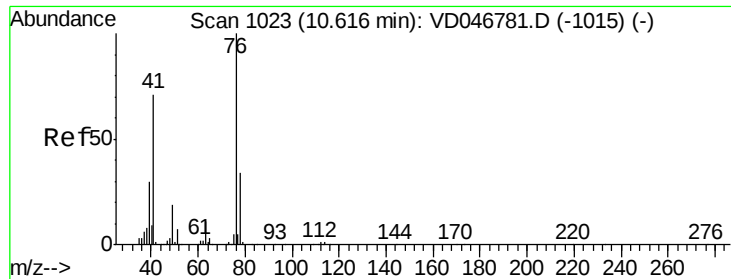
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#56
 Ethyl methacrylate
 Concen: 19.18 ug/l
 RT: 10.23 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion:	69	Resp:	17223
Ion	Ratio	Lower	Upper
69	100		
41	90.6	75.4	113.0
39	54.9	41.0	61.4





#57

1,3-Dichloropropane

Concen: 21.44 ug/l

RT: 10.59 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 76 Resp: 39900

Ion Ratio Lower Upper

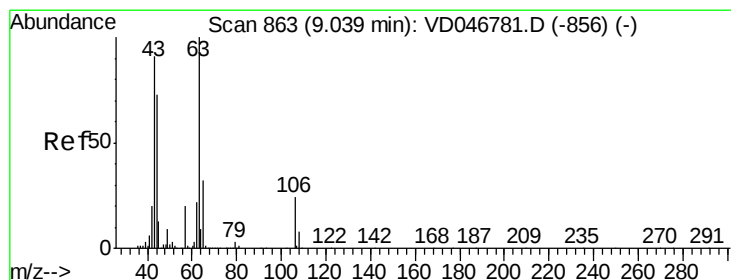
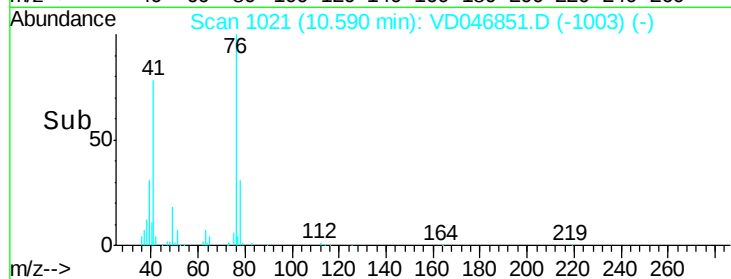
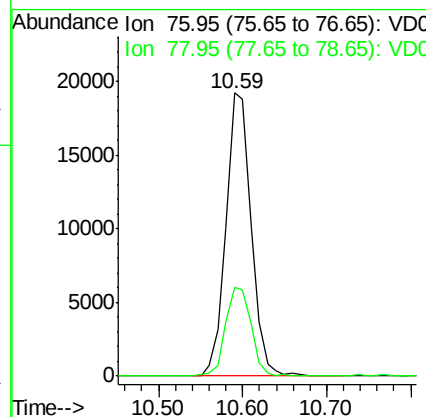
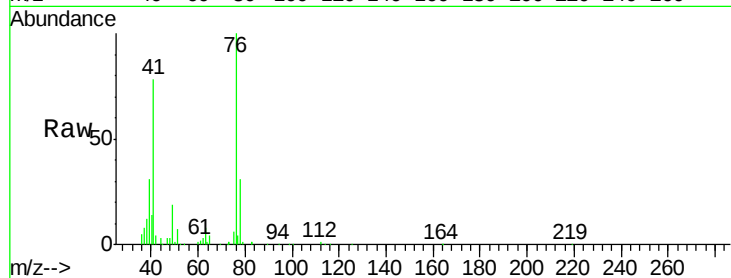
76 100

78 31.3 26.6 39.8

Manual Integrations
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9/24/2015 12:56:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.09 ug/l

RT: 9.01 min Scan# 861

Delta R.T. -0.03 min

Lab File: VD046851.D

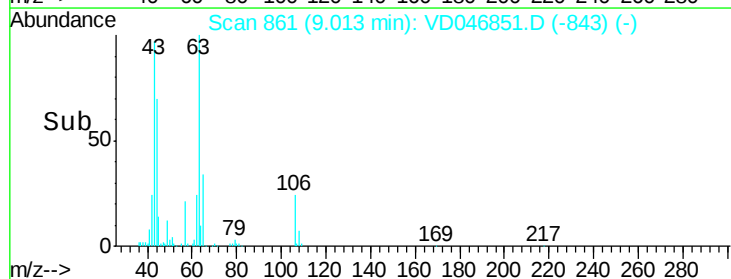
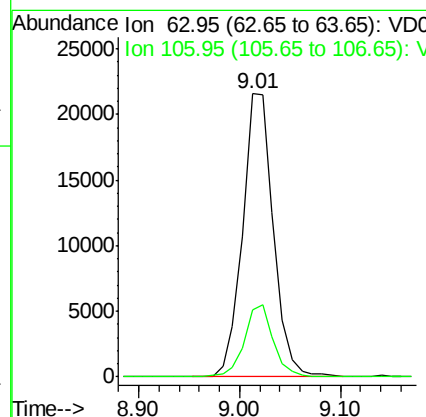
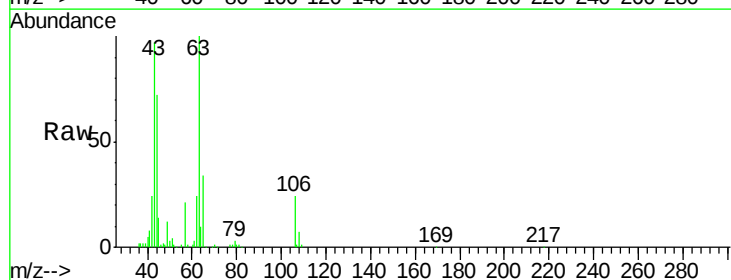
Acq: 23 Sep 2015 13:24

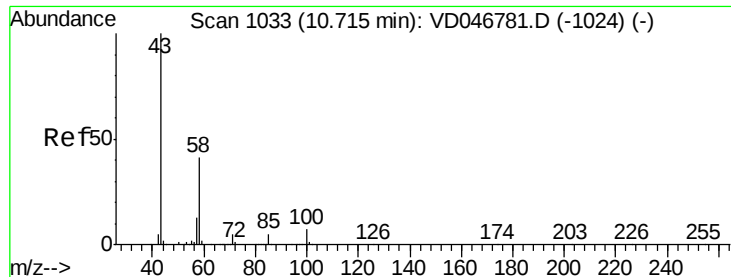
Tgt Ion: 63 Resp: 45950

Ion Ratio Lower Upper

63 100

106 23.7 17.8 26.8





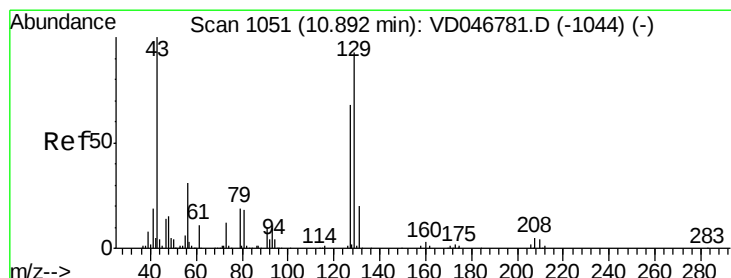
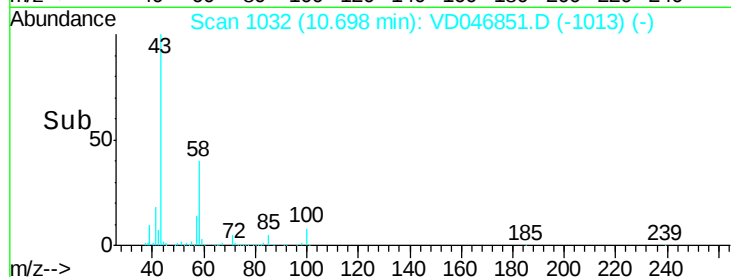
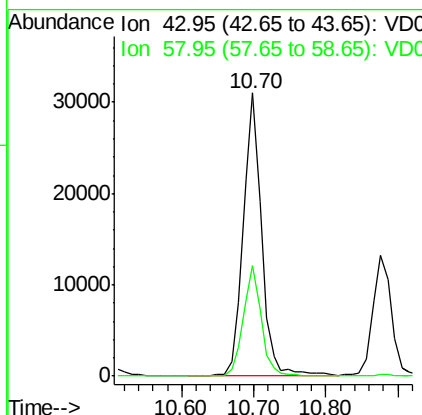
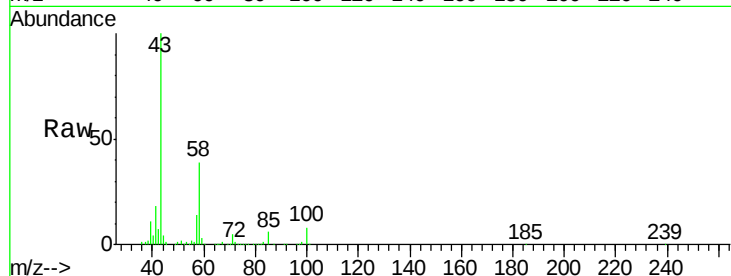
#59
2-Hexanone
Concen: 102.27 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	18.6	55.8

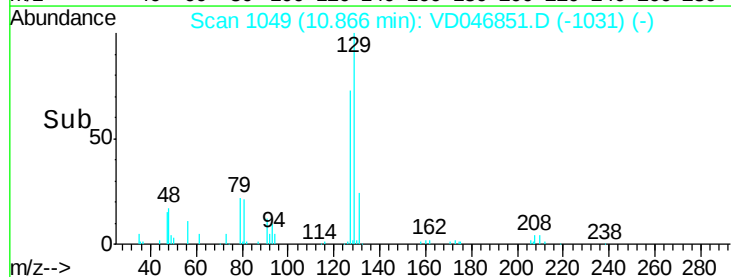
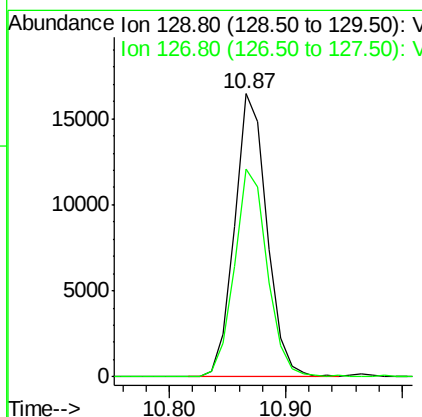
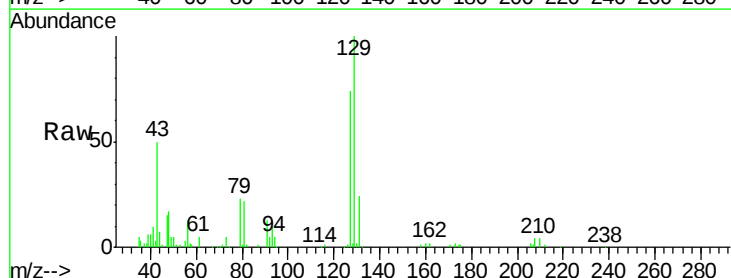
Manual Integrations
APPROVED

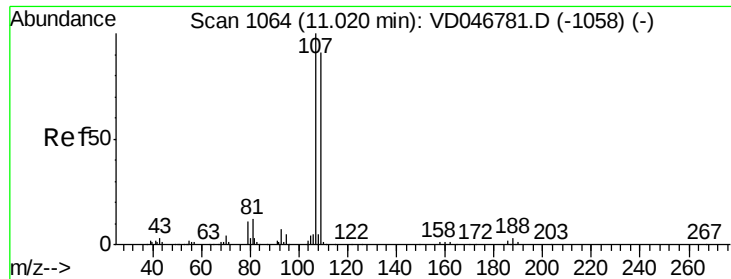
MMDadoda
9/24/2015 12:56:53 PM



#60
Dibromochloromethane
Concen: 23.04 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.6	38.2	114.6





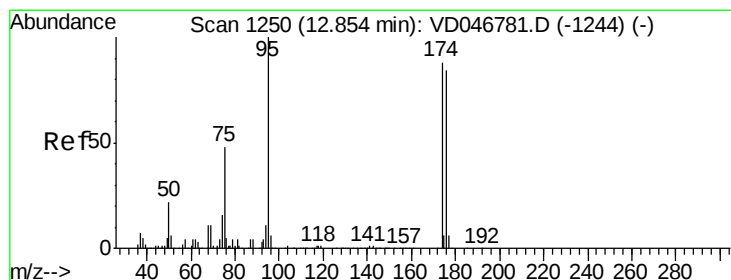
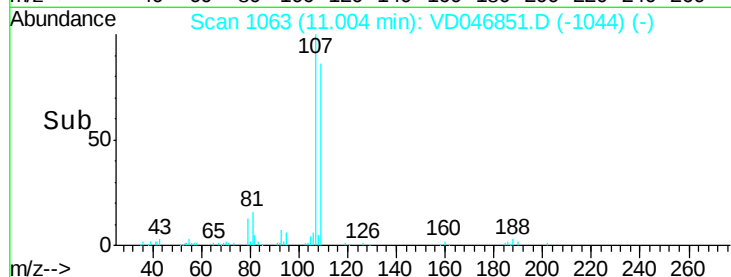
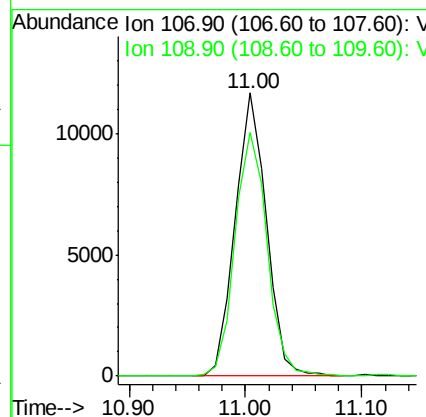
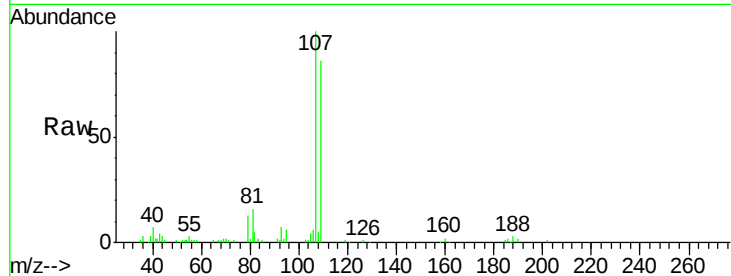
#61
 1,2-Dibromoethane
 Concen: 21.92 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion: 107 Resp: 21656
 Ion Ratio Lower Upper
 107 100
 109 86.3 71.4 107.0

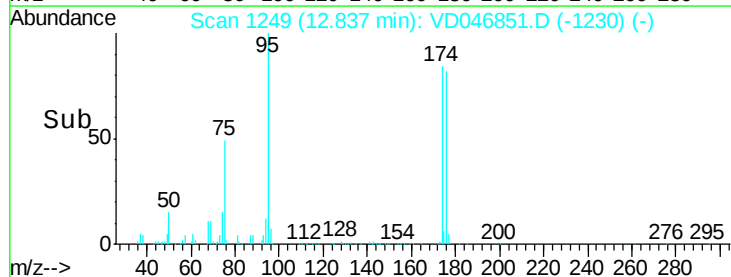
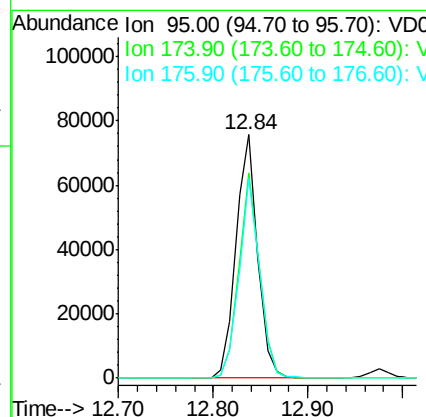
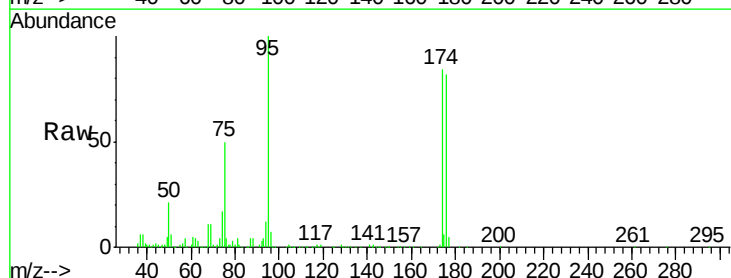
Manual Integrations
 APPROVED

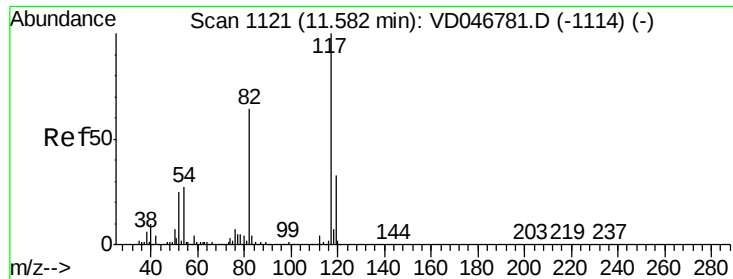
MMDadoda
 9/24/2015 12:56:53 PM



#62
 4-Bromofluorobenzene
 Concen: 21.92 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 95 Resp: 120063
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 149.8
 176 82.1 0.0 143.4





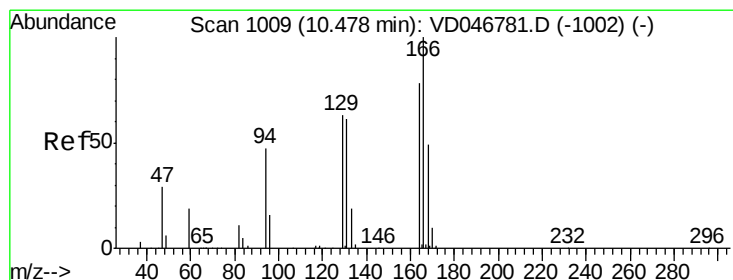
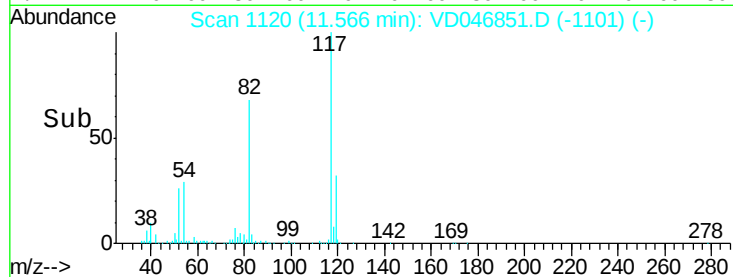
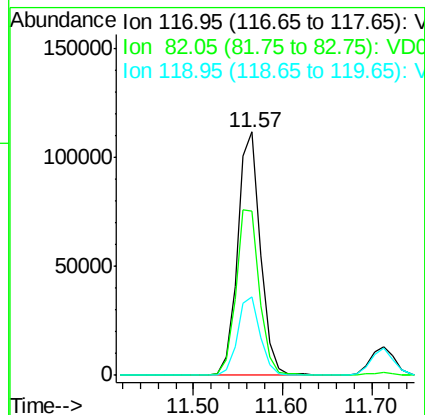
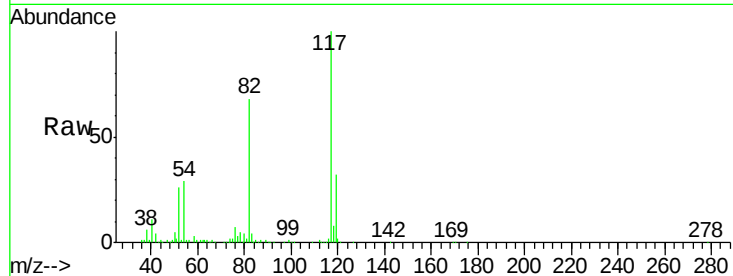
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	200123		
82	67.7		50.6	75.8
119	32.4		25.8	38.8

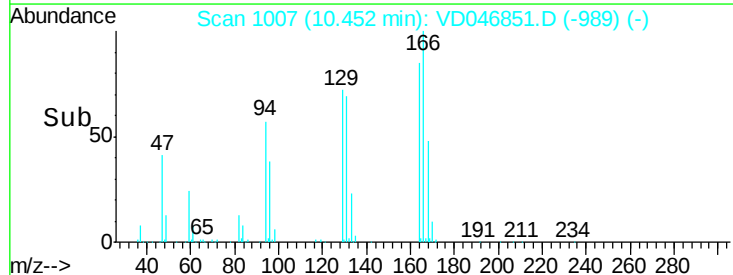
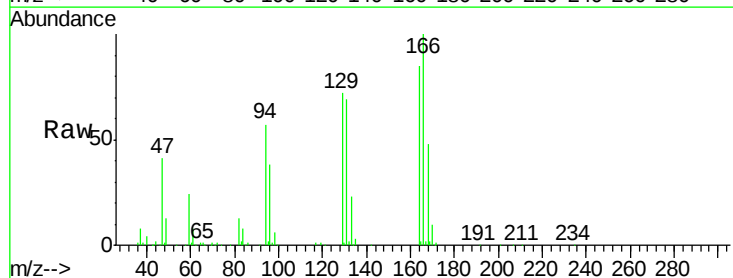
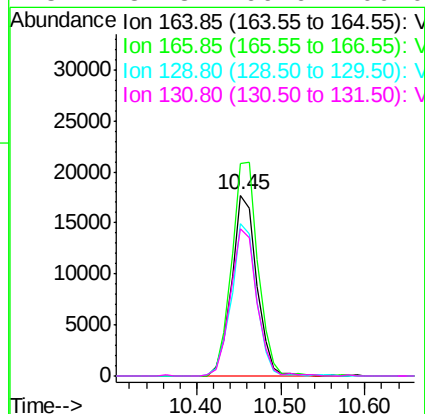
Manual Integrations
APPROVED

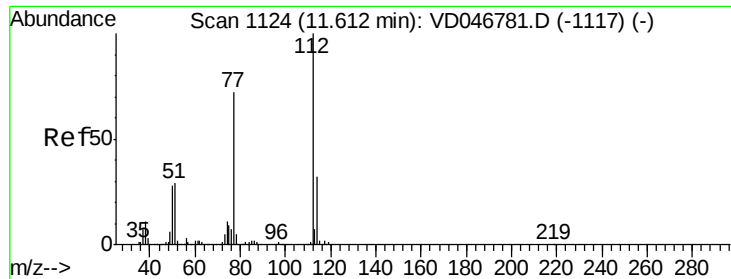
MMDadoda
9/24/2015 12:56:53 PM



#64
Tetrachloroethene
Concen: 22.75 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36764		
166	117.1		106.8	160.2
129	84.2		70.6	106.0
131	81.3		66.6	100.0





#65

Chlorobenzene

Concen: 22.31 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:112 Resp: 93988

Ion Ratio Lower Upper

112 100

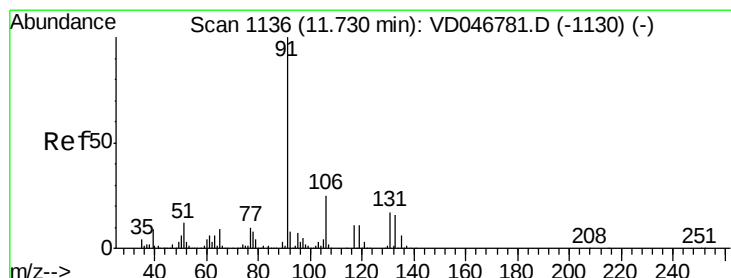
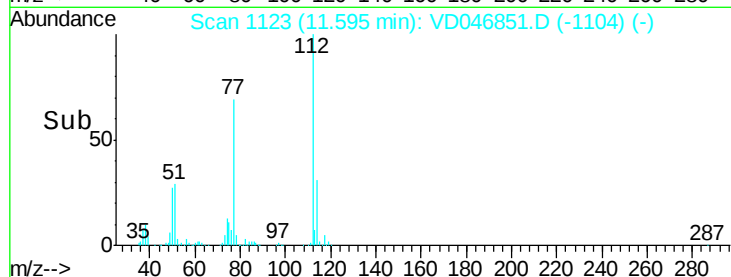
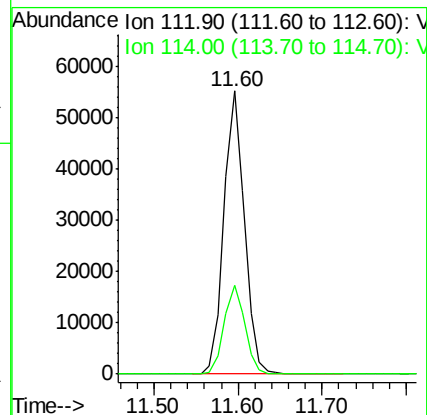
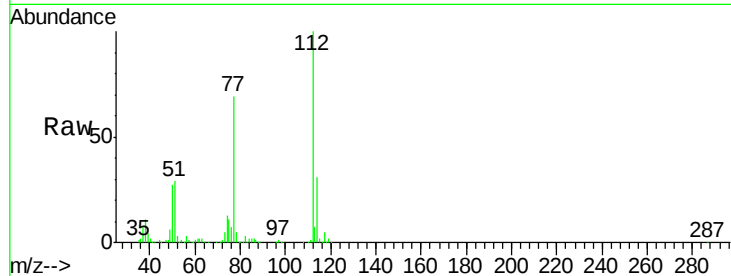
114 31.4 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.36 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

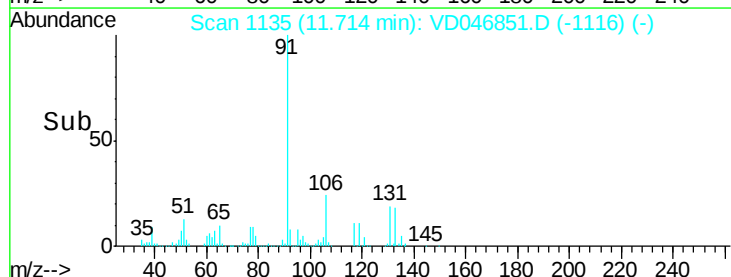
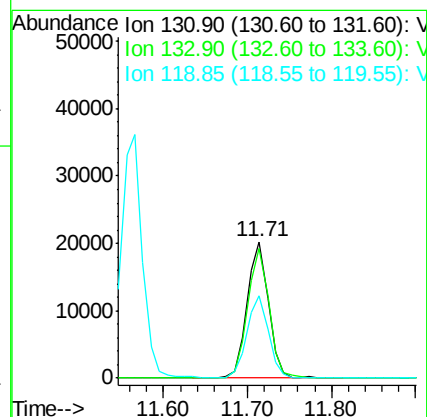
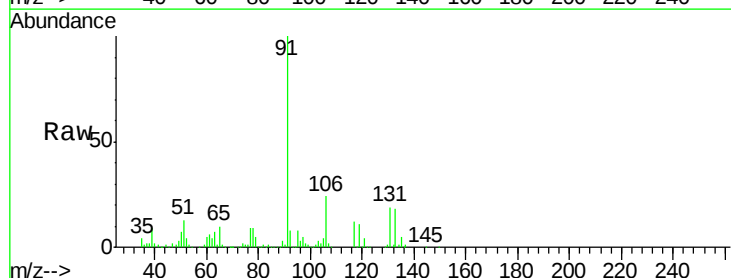
Tgt Ion:131 Resp: 36133

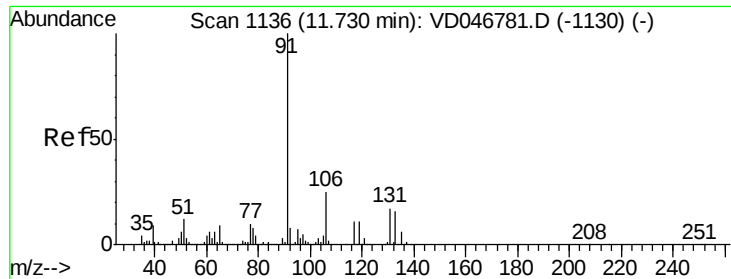
Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.0

119 60.5 31.5 94.5





#67

Ethyl Benzene

Concen: 23.16 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 91 Resp: 196017

Ion Ratio Lower Upper

91 100

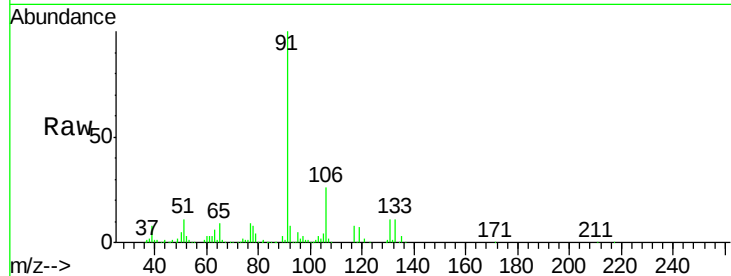
106 25.9 20.2 30.2

Manual Integrations

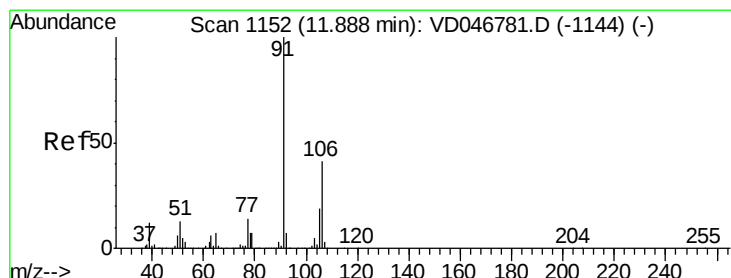
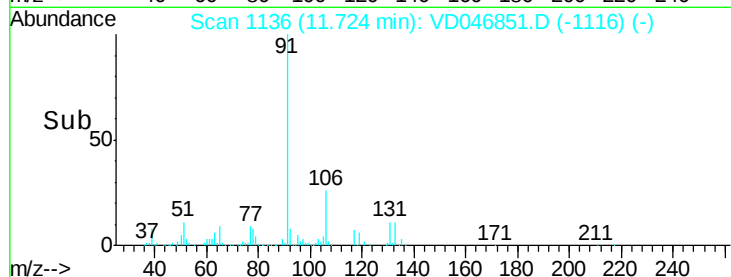
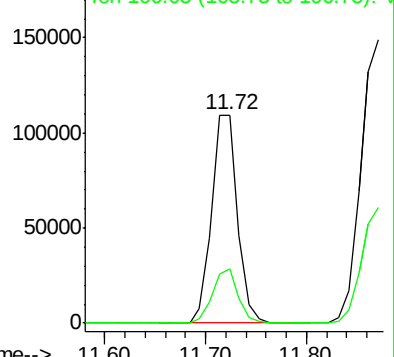
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Abundance Ion 91.00 (90.70 to 91.70): VD046851.D (-1132) (-)



#68

m/p-Xylenes

Concen: 47.97 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046851.D

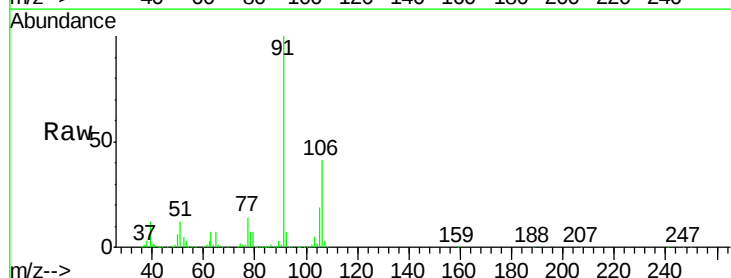
Acq: 23 Sep 2015 13:24

Tgt Ion: 106 Resp: 128043

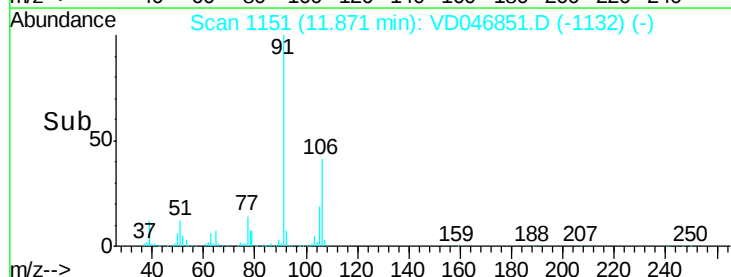
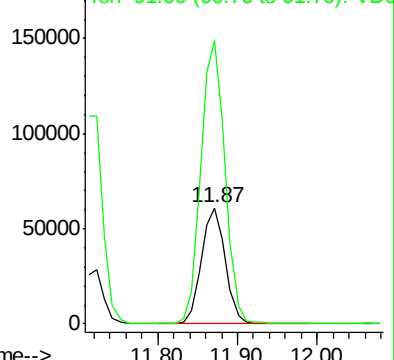
Ion Ratio Lower Upper

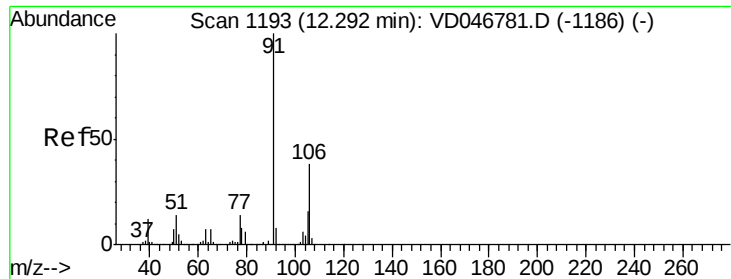
106 100

91 244.2 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046851.D (-1132) (-)





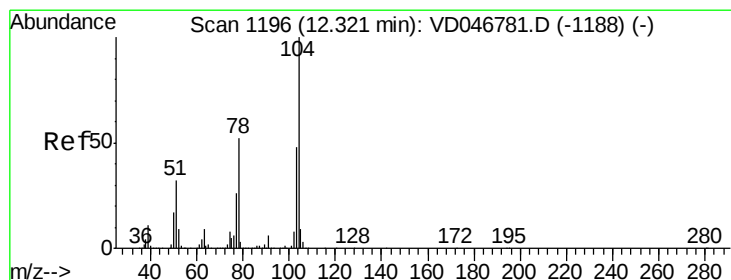
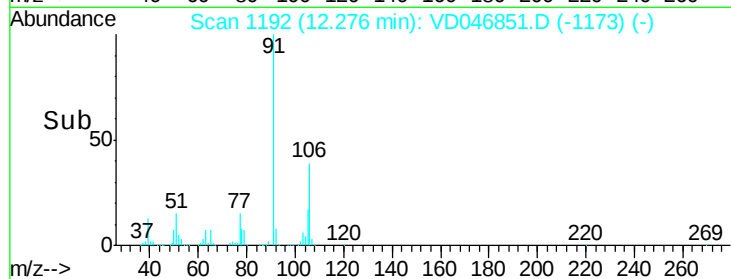
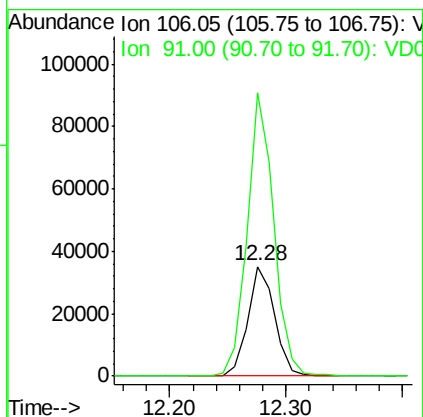
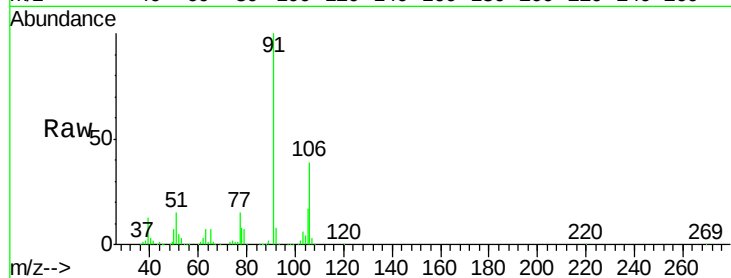
#69
o-Xylene
Concen: 23.34 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleID :
VD0923SBS01

Tot Ion:106 Resp: 56071
Ion Ratio Lower Upper
106 100
91 257.9 124.8 374.5

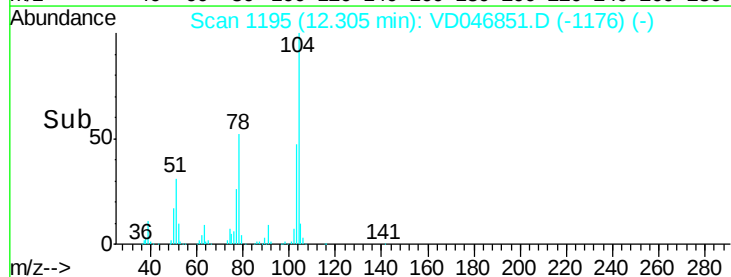
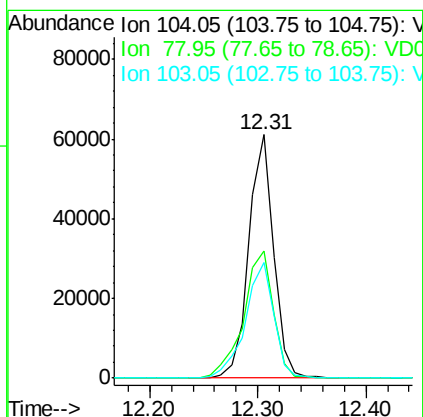
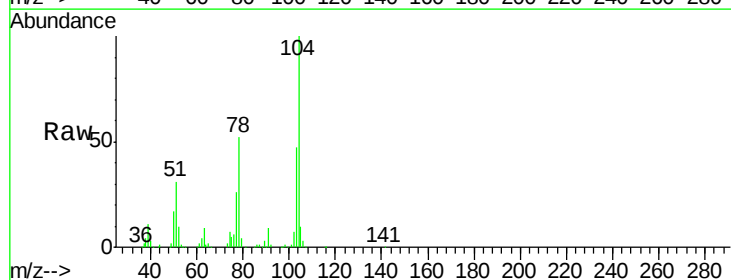
Manual Integrations
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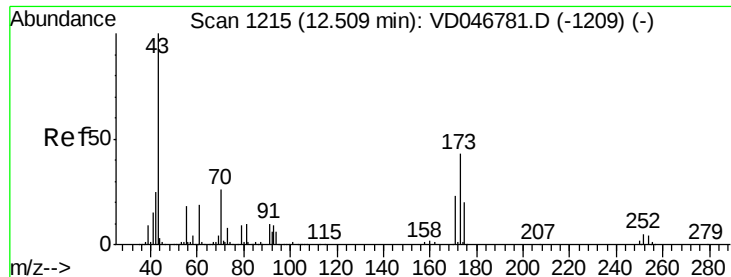
MMDadoda
9/24/2015 12:56:53 PM



#70
Styrene
Concen: 23.47 ug/l
RT: 12.31 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:104 Resp: 97781
Ion Ratio Lower Upper
104 100
78 52.1 44.5 66.7
103 47.3 40.3 60.5





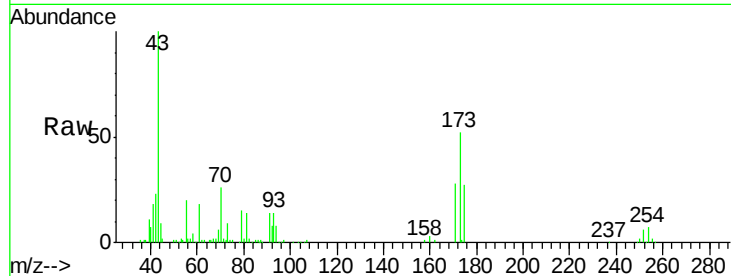
#71
Bromoform
Concen: 21.30 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

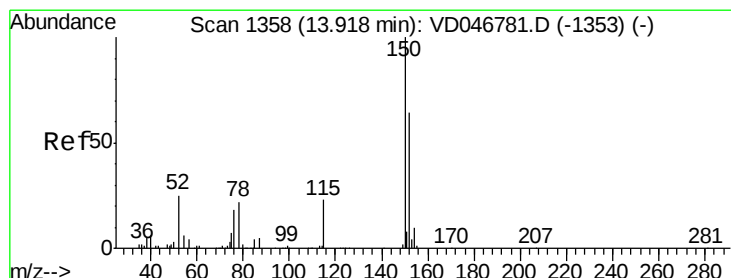
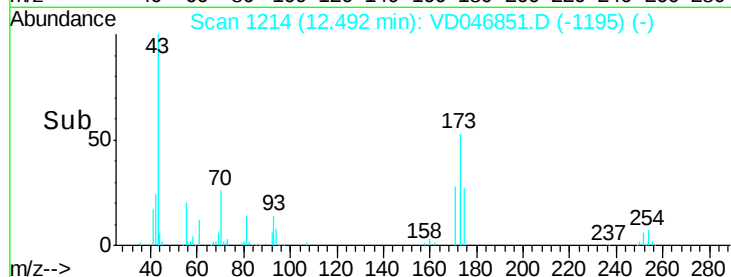
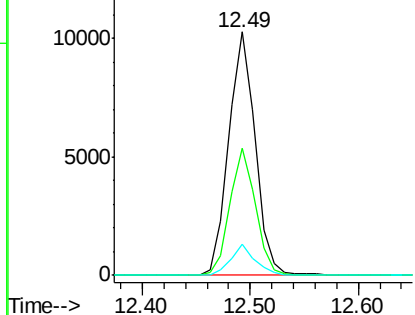
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	23.1	69.3
254	12.7	8.7	13.1

Manual Integrations
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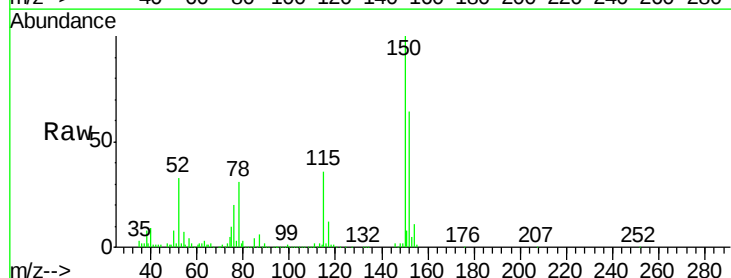


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

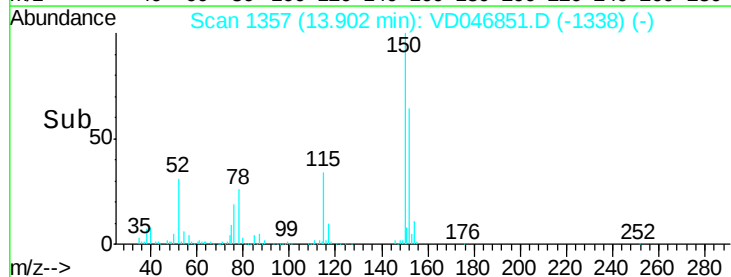
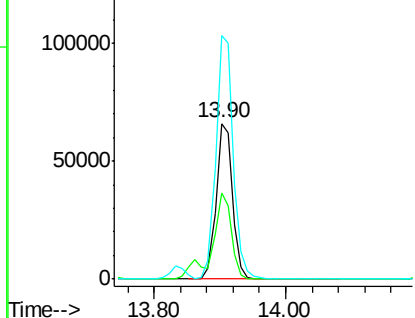


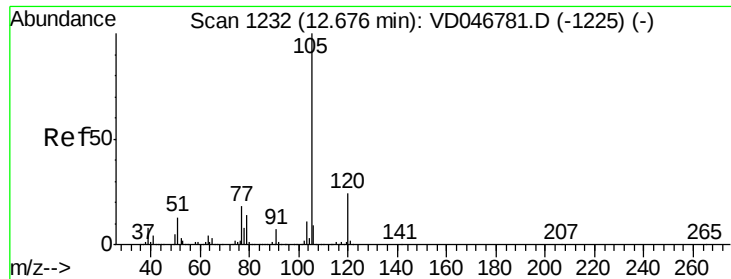
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	26.2	78.6
150	156.5	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.33 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

Tot Ion: 105 Resp: 177683

Ion Ratio Lower Upper

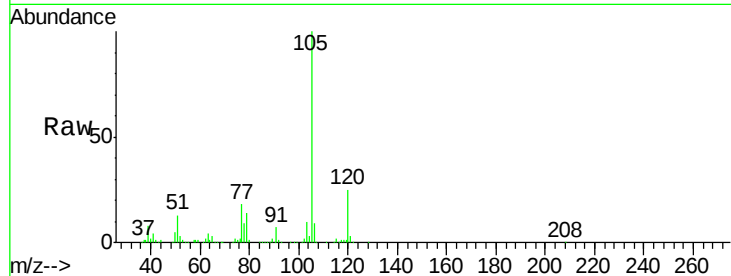
105 100

120 24.6 12.4 37.4

Manual Integrations
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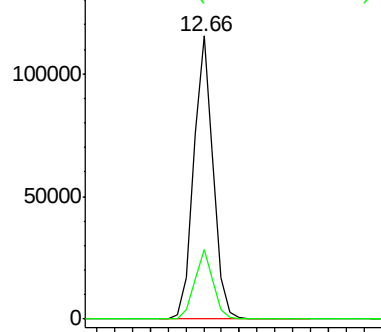
MMDadoda

9/24/2015 12:56:53 PM

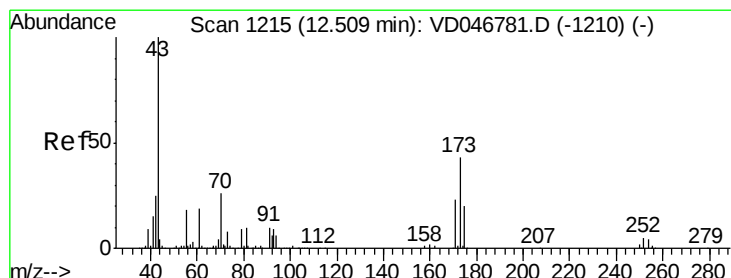
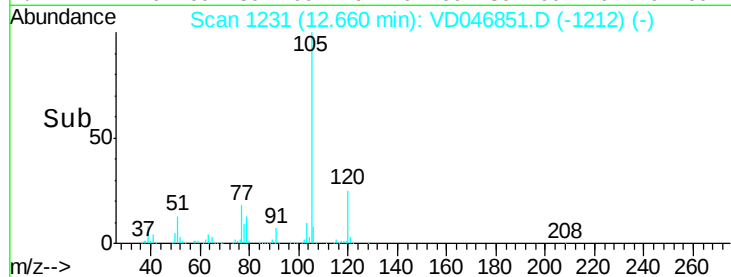


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 18.64 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion: 43 Resp: 30771

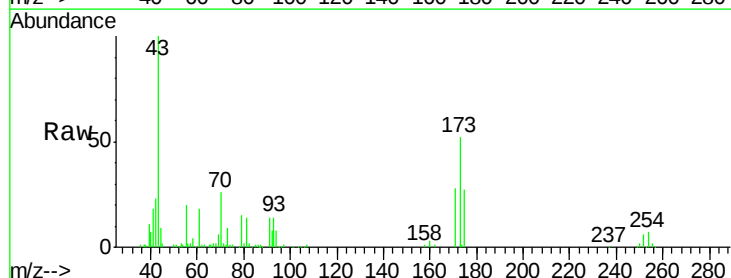
Ion Ratio Lower Upper

43 100

70 26.1 22.1 33.1

55 19.8 14.5 21.7

61 18.0 14.6 21.8

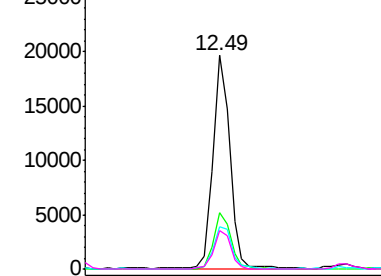


Abundance Ion 42.95 (42.65 to 43.65): VDC

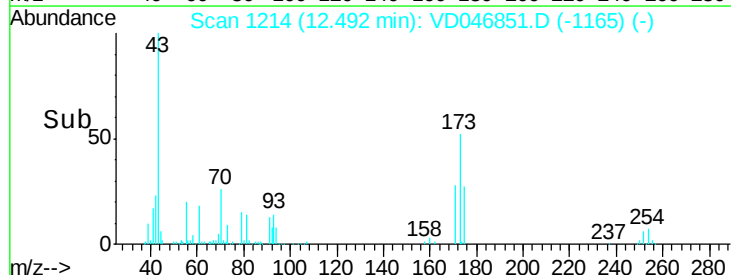
Ion 70.00 (69.70 to 70.70): VDC

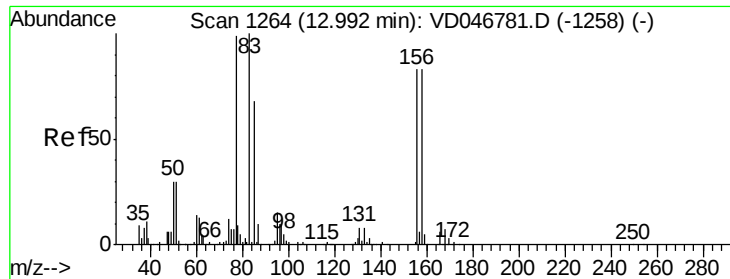
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 83 Resp: 26582

Ion Ratio Lower Upper

83 100

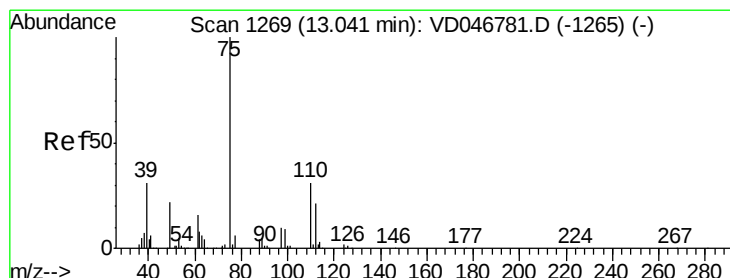
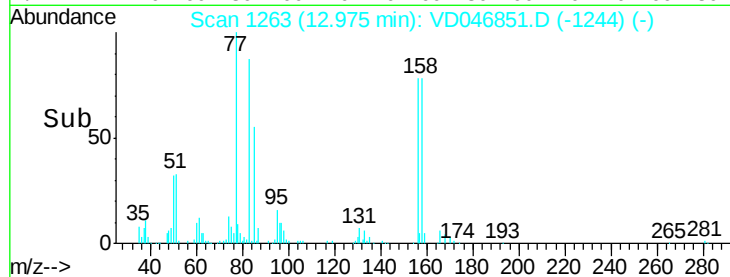
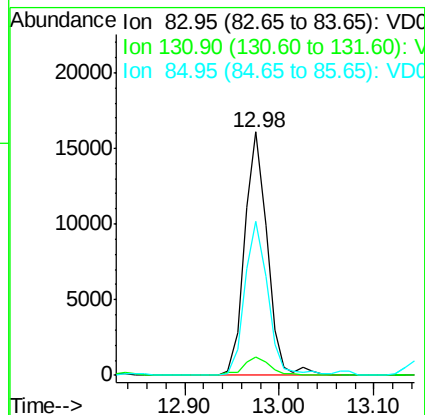
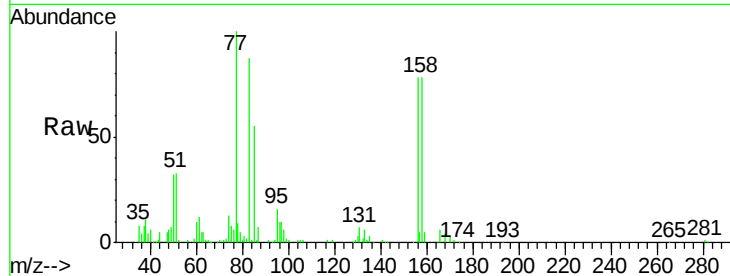
131 7.7 3.9 11.7

85 63.1 30.5 91.5

Manual Integrations
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9/24/2015 12:56:53 PM



#76

1,2,3-Trichloropropane

Concen: 20.45 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046851.D

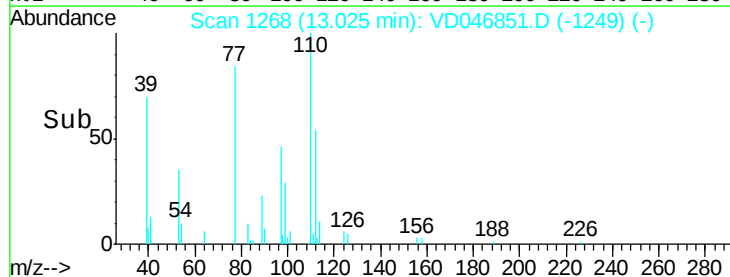
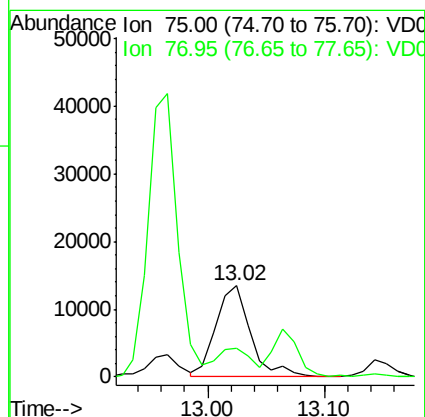
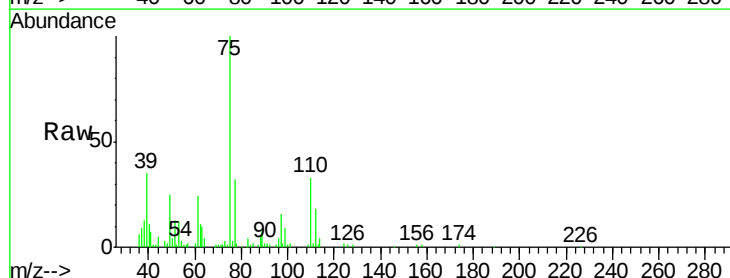
Acq: 23 Sep 2015 13:24

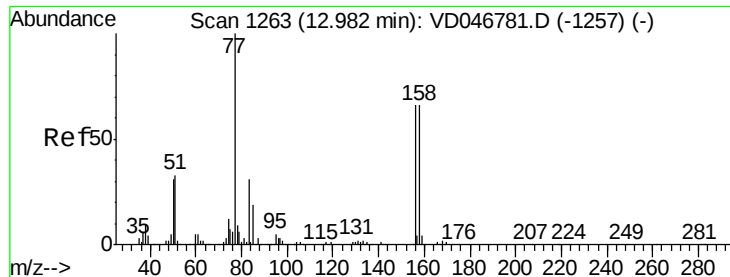
Tgt Ion: 75 Resp: 28088

Ion Ratio Lower Upper

75 100

77 31.6 16.0 48.0





#77

Bromobenzene

Concen: 21.59 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

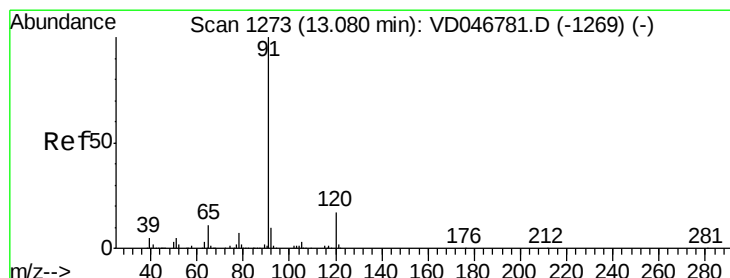
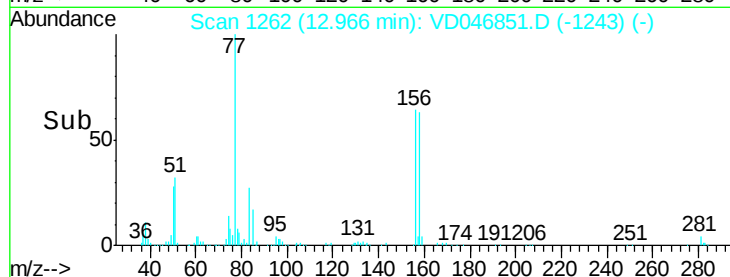
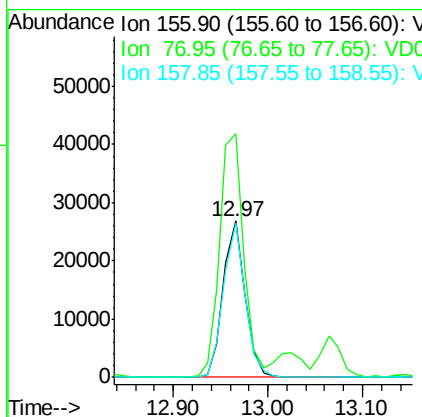
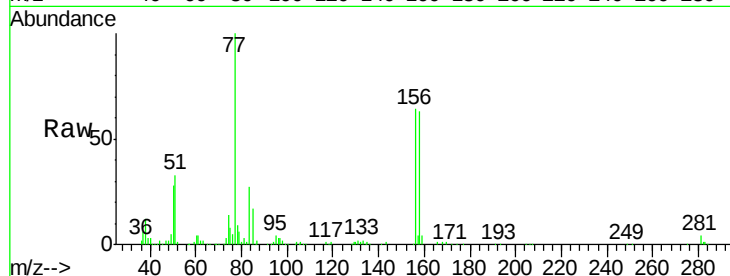
ClientSampleId :

VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.1	70.3	210.8
158	98.8	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.17 ug/l

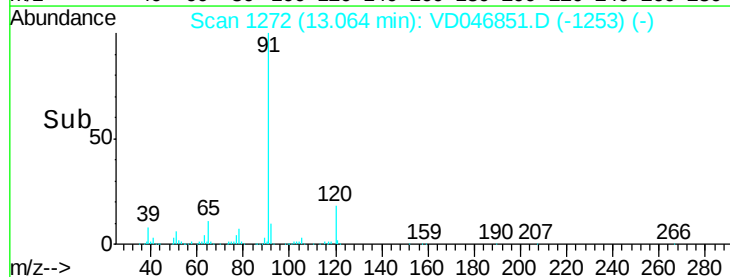
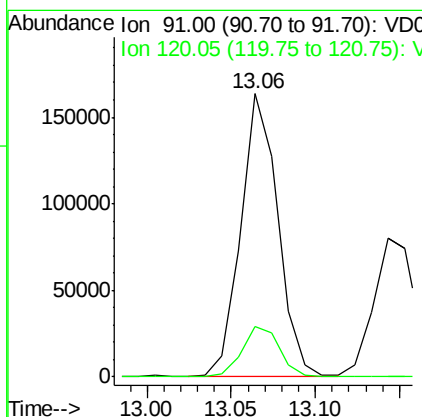
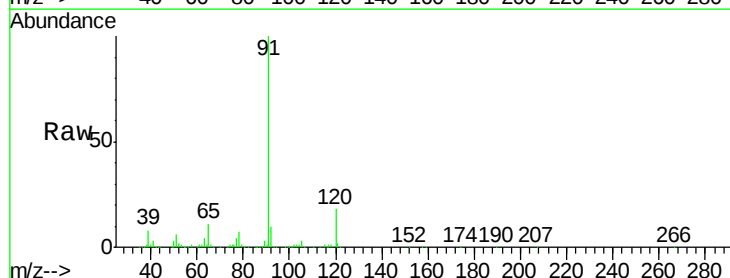
RT: 13.06 min Scan# 1272

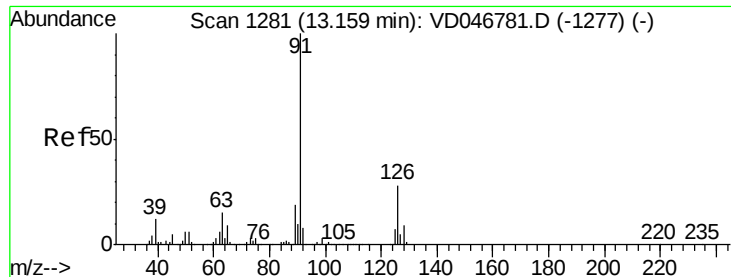
Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	17.6	9.3	27.7





#79

2-Chlorotoluene

Concen: 22.04 ug/l

RT: 13.14 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

Tot Ion: 91 Resp: 137516

Ion Ratio Lower Upper

91 100

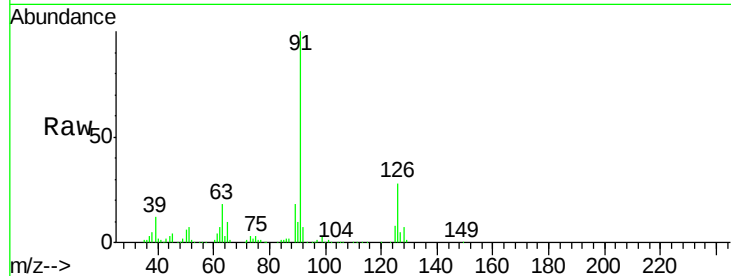
126 27.7 14.1 42.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD046851.D (-1277) (-)

Ion 125.95 (125.65 to 126.65): VD046851.D (-1277) (-)

150000

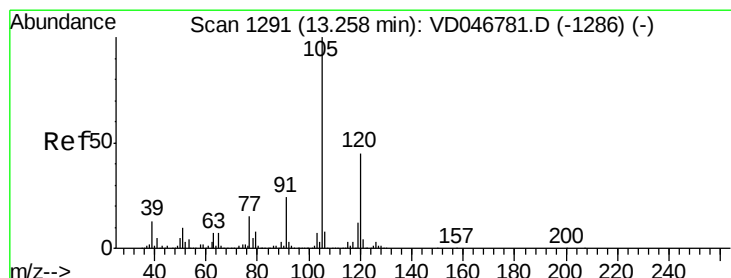
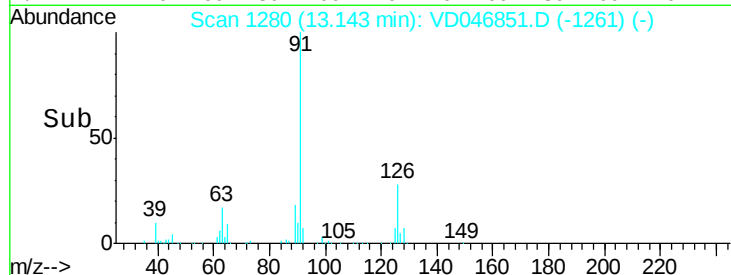
100000

50000

0

13.10 13.15 13.20

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.33 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046851.D

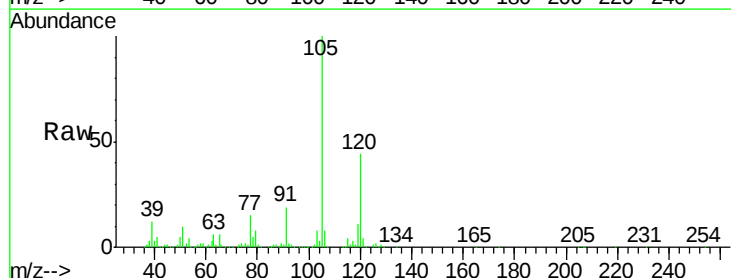
Acq: 23 Sep 2015 13:24

Tgt Ion: 105 Resp: 141592

Ion Ratio Lower Upper

105 100

120 43.8 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046851.D (-1271) (-)

Ion 120.05 (119.75 to 120.75): VD046851.D (-1271) (-)

100000

80000

60000

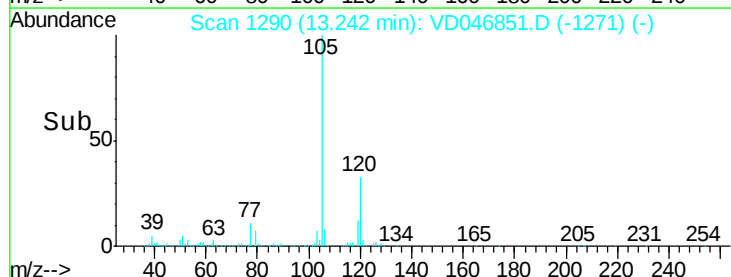
40000

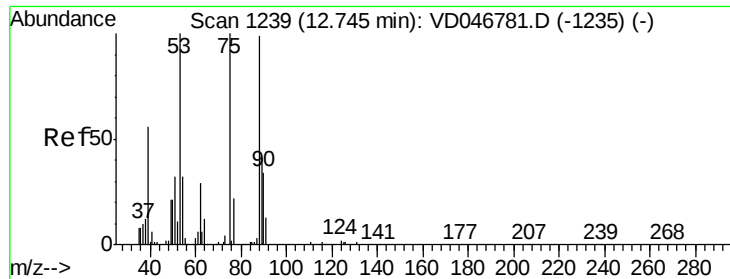
20000

0

13.20 13.30

Time-->





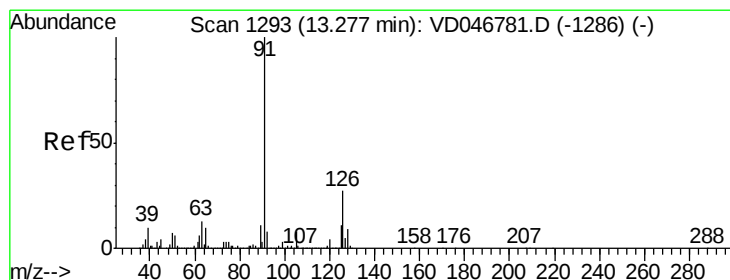
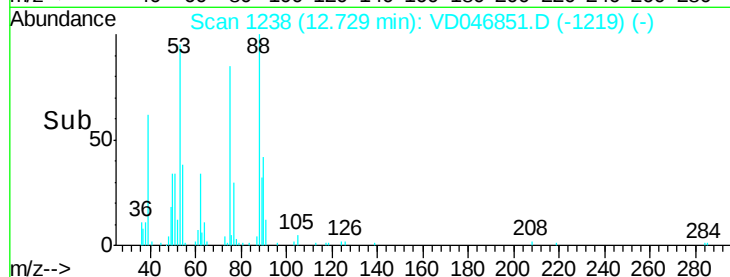
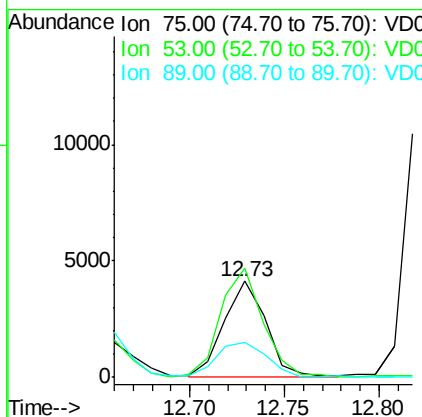
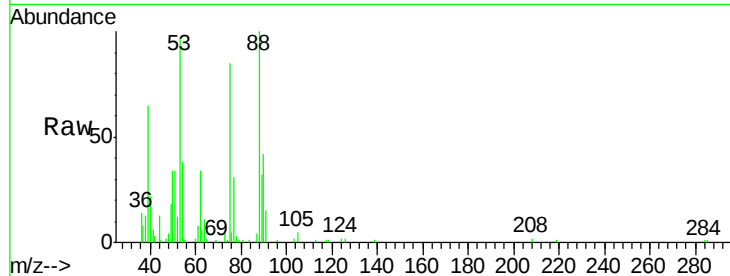
#81
trans-1,4-Dichloro-2-butene
Concen: 19.47 ug/l
RT: 12.73 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	82.3	123.5
89	37.1	36.6	54.8

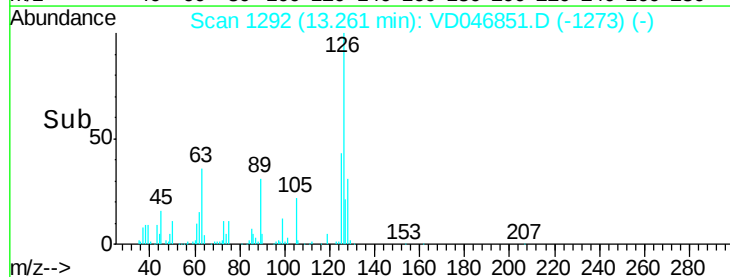
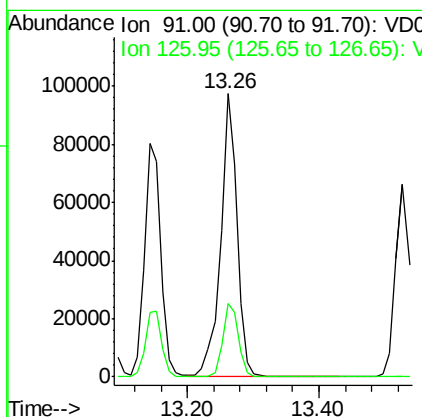
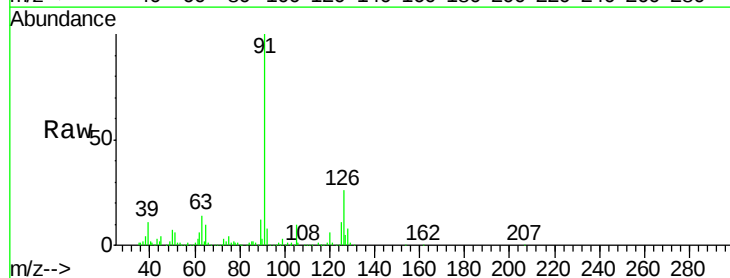
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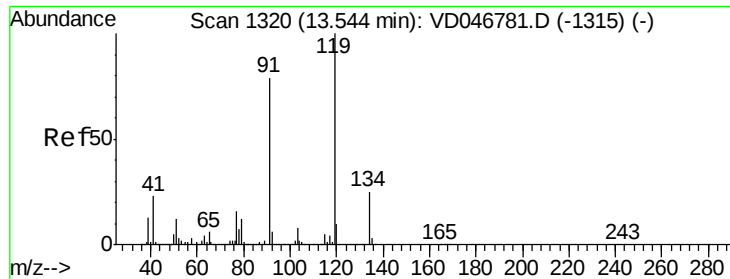
MMDadoda
9/24/2015 12:56:53 PM



#82
4-Chlorotoluene
Concen: 22.83 ug/l
RT: 13.26 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.9	14.1	42.4





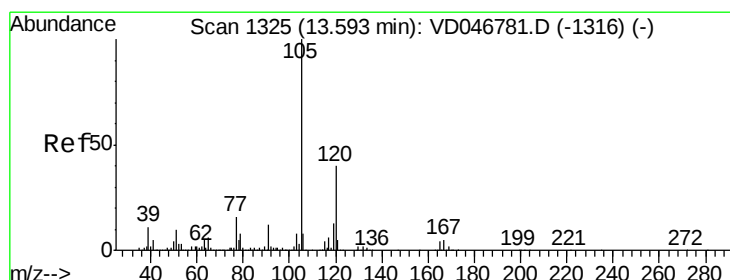
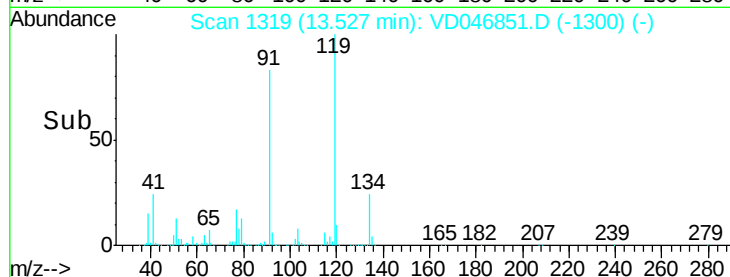
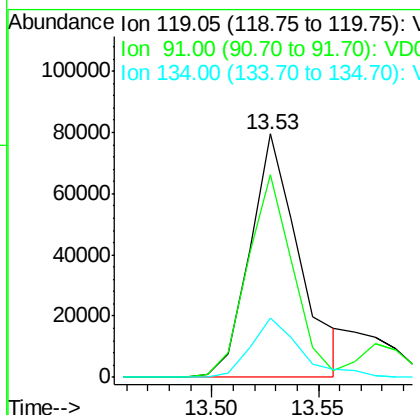
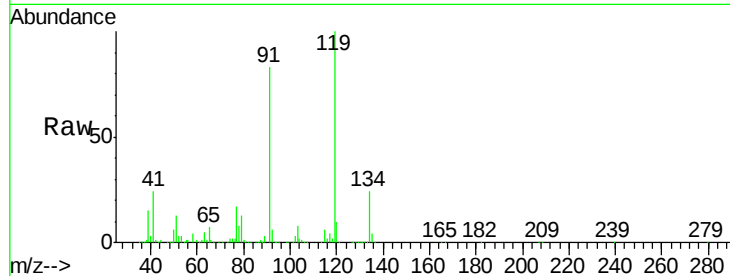
#83
tert-Butylbenzene
Concen: 22.49 ug/l m
RT: 13.53 min Scan# 1319
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.3	41.6	124.9
134	24.4	12.4	37.4

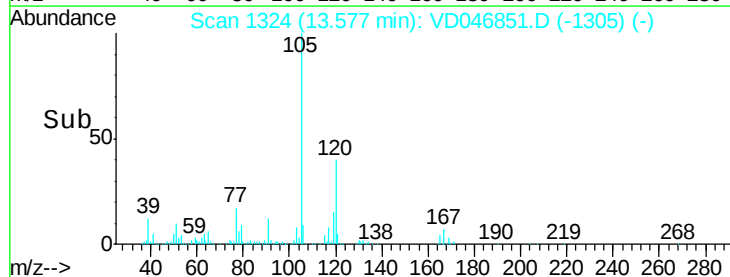
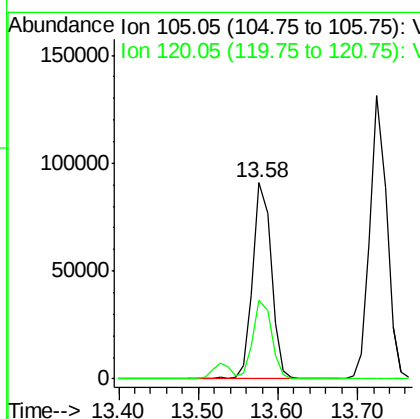
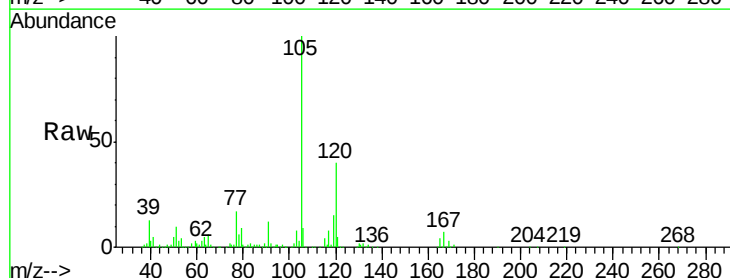
Manual Integrations
APPROVED

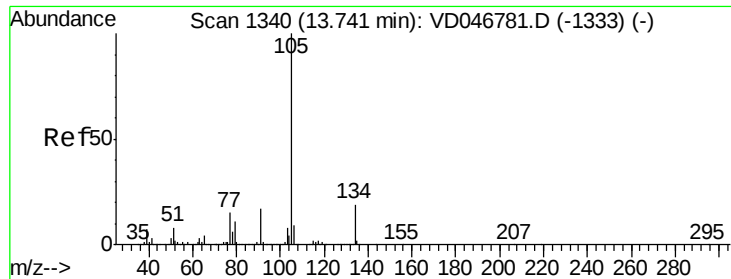
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.88 ug/l
RT: 13.58 min Scan# 1324
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.2	21.1	63.1





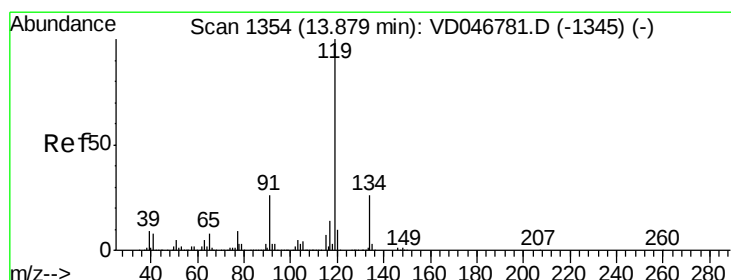
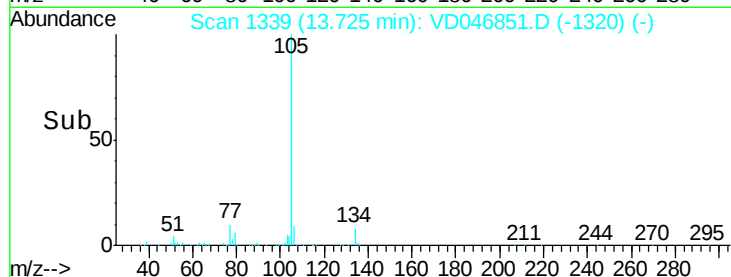
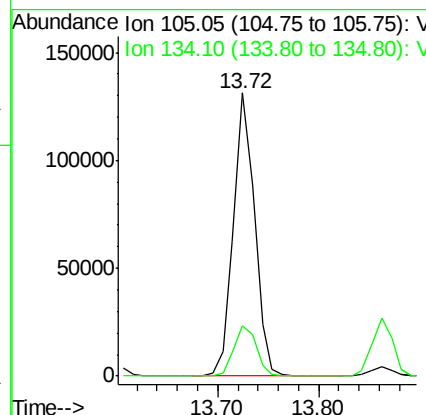
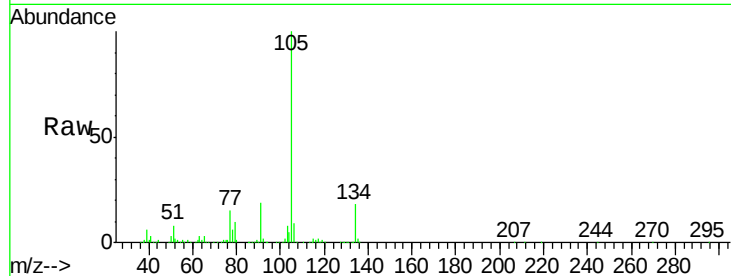
#85
 sec-Butylbenzene
 Concen: 22.76 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	10.1	30.3

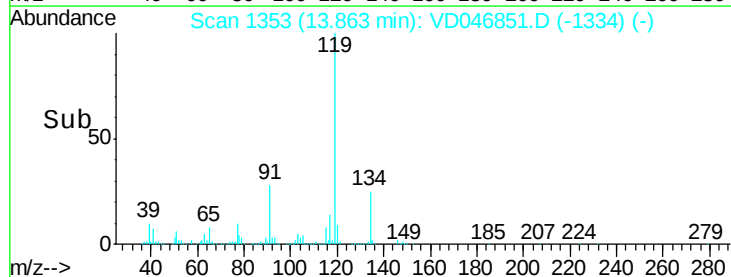
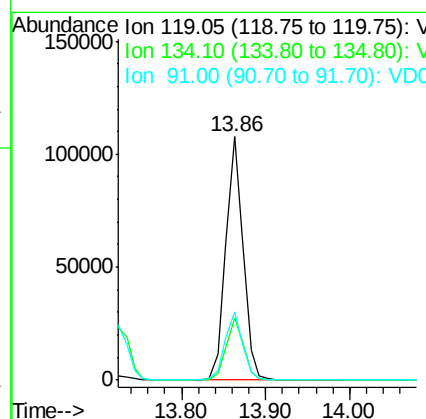
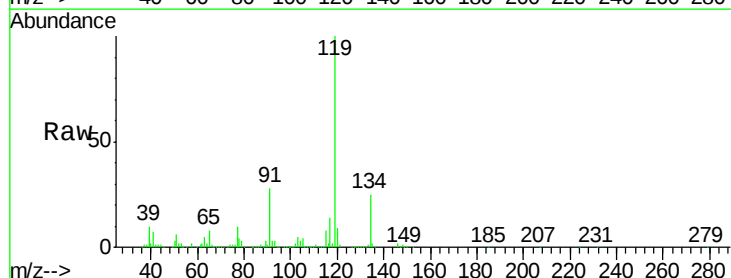
Manual Integrations
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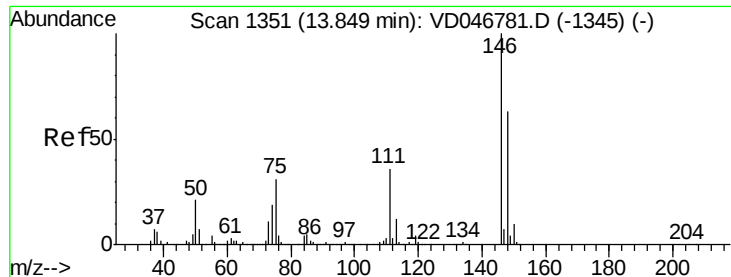
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 23.37 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	38.9
91	28.2	13.8	41.3





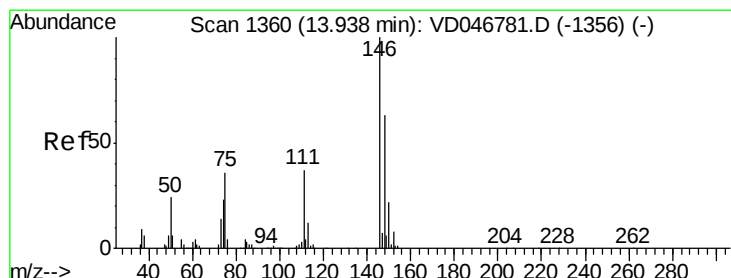
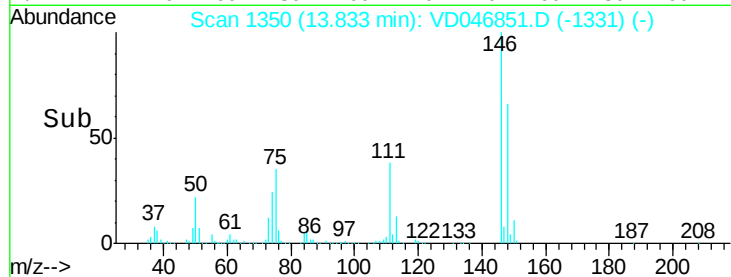
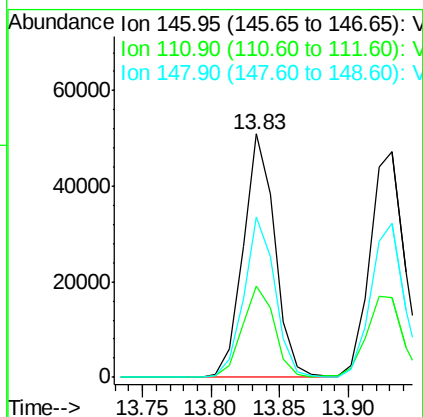
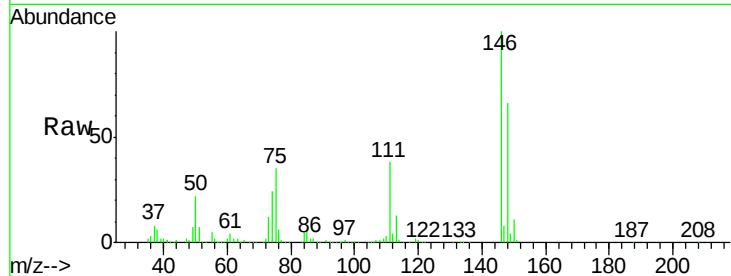
#87
 1,3-Dichlorobenzene
 Concen: 21.89 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.4	52.2
148	65.8	33.0	99.0

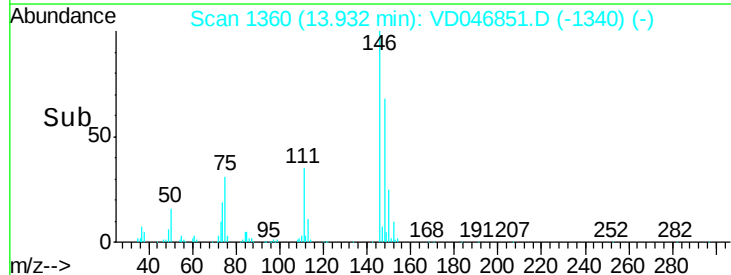
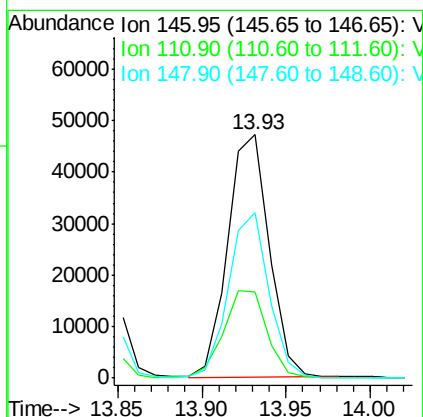
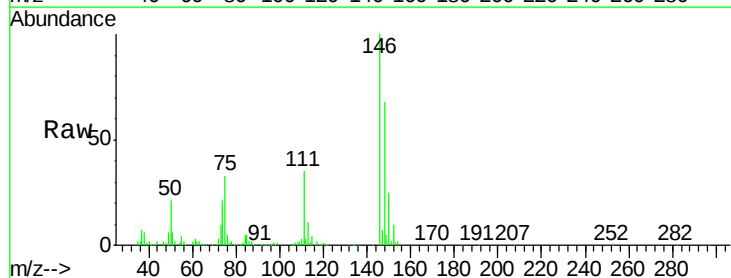
Manual Integrations
 APPROVED

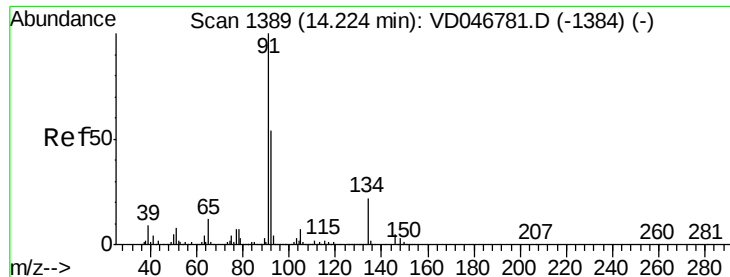
MMDadoda
 9/24/2015 12:56:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.0	51.0
148	68.1	31.9	95.7





#89

n-Butylbenzene

Concen: 23.33 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

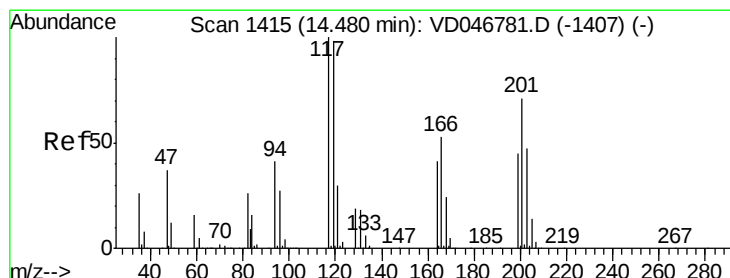
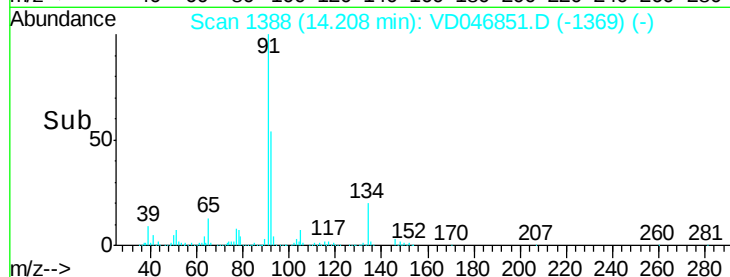
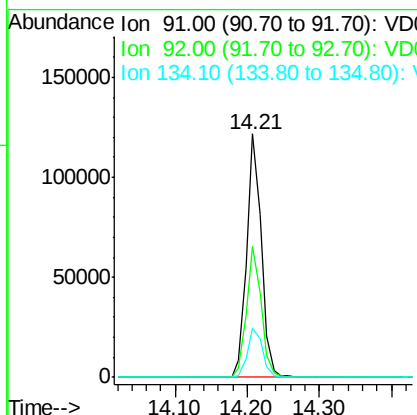
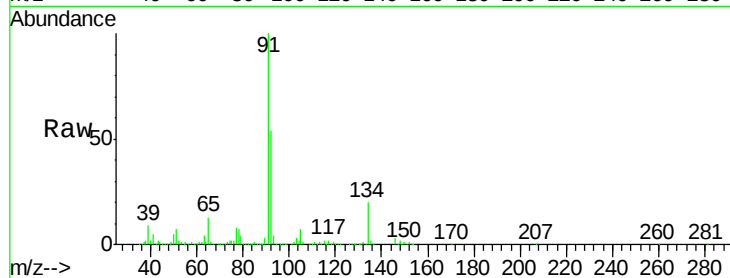
ClientSampleId :

VD0923SBSD01

Tot Ion:	91	Resp:	173927
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.2
134	20.1	9.6	28.6

Manual Integrations
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#90

Hexachloroethane

Concen: 21.86 ug/l

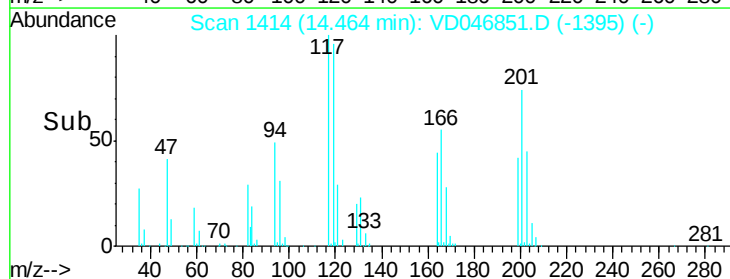
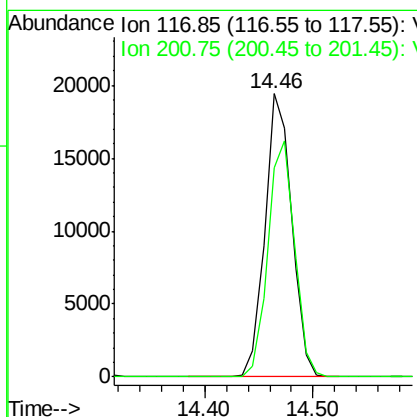
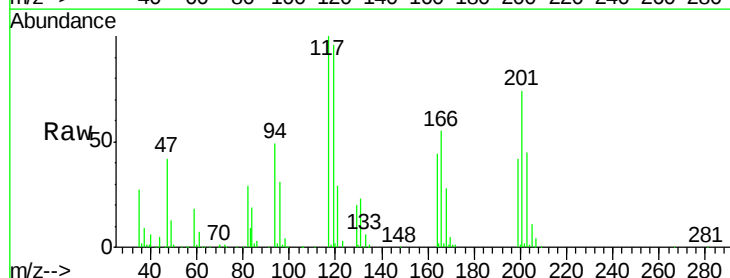
RT: 14.46 min Scan# 1414

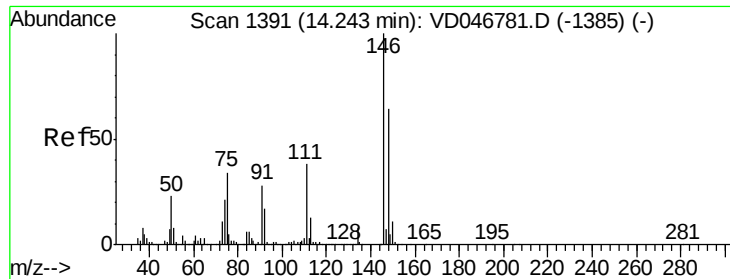
Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion:	117	Resp:	33474
Ion	Ratio	Lower	Upper
117	100		
201	74.1	41.0	123.0





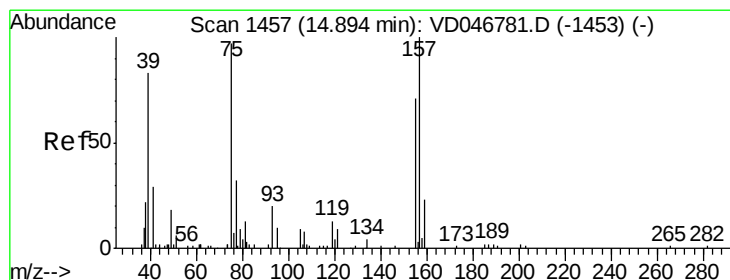
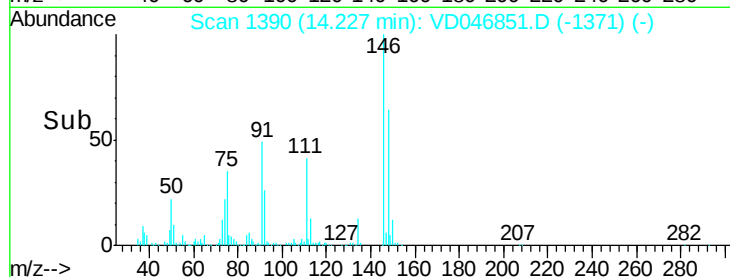
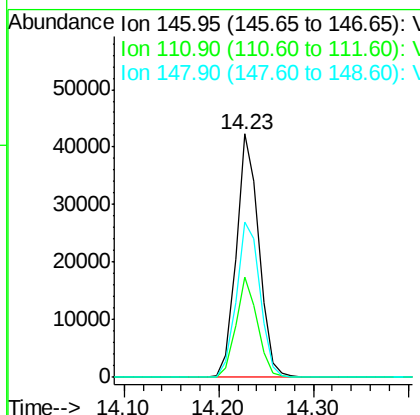
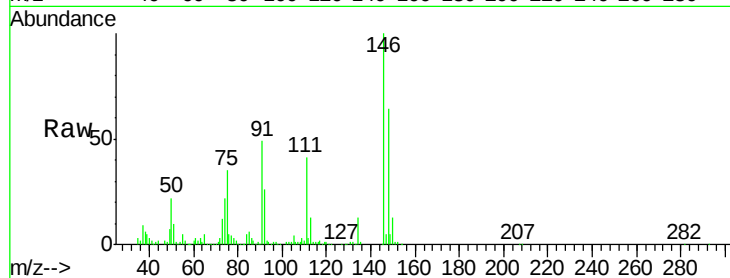
#91
 1,2-Dichlorobenzene
 Concen: 22.27 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.2	54.6
148	63.5	31.1	93.3

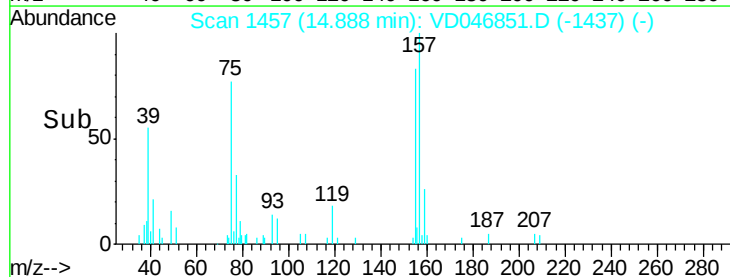
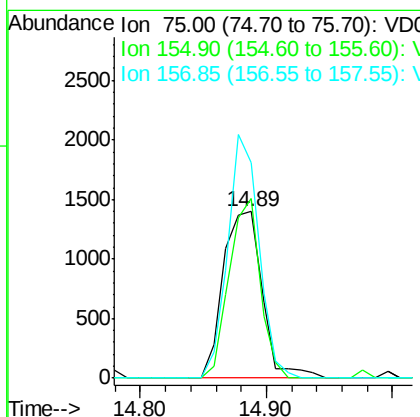
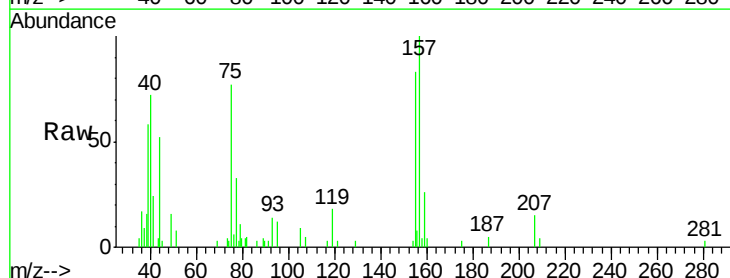
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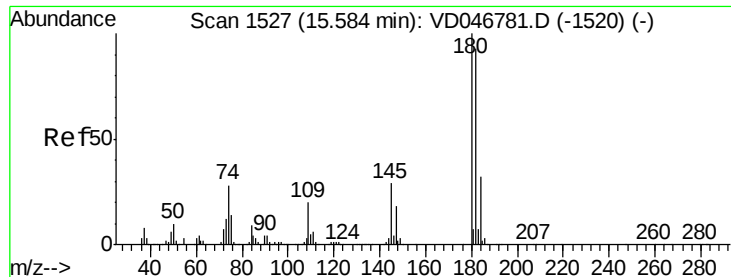
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.09 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.3	41.4	124.4
157	129.9	65.0	195.1





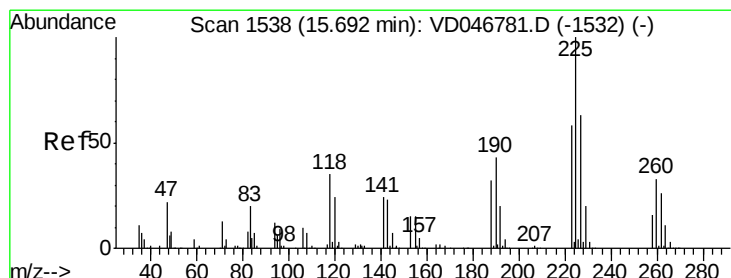
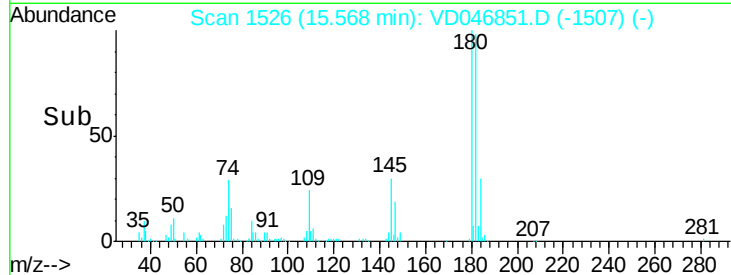
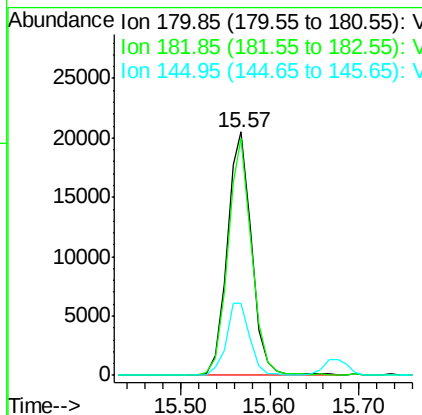
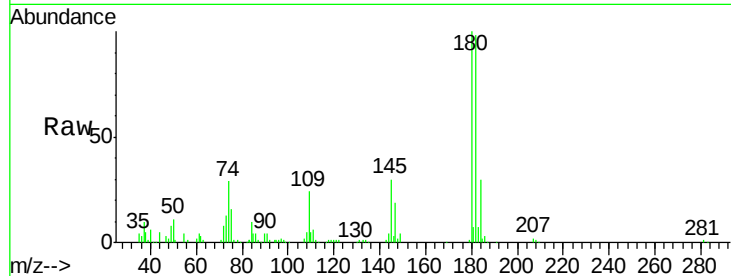
#93
 1,2,4-Trichlorobenzene
 Concen: 21.84 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39438		
182	97.6	47.5	142.5	
145	29.7	14.6	44.0	

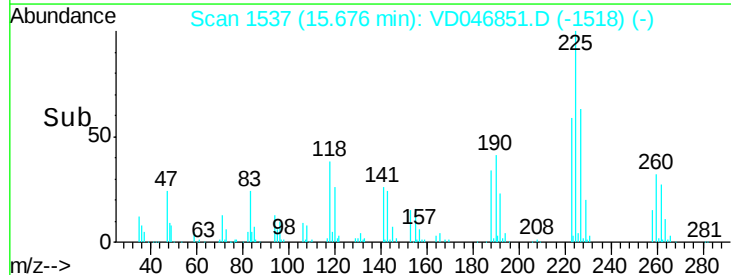
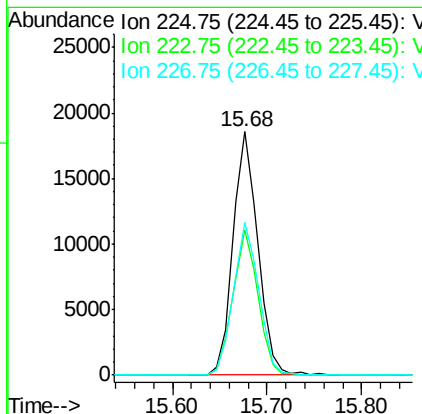
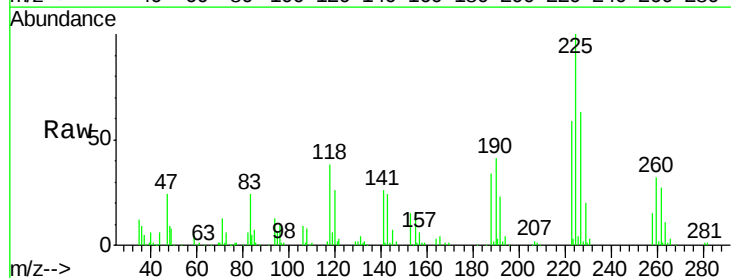
Manual Integrations
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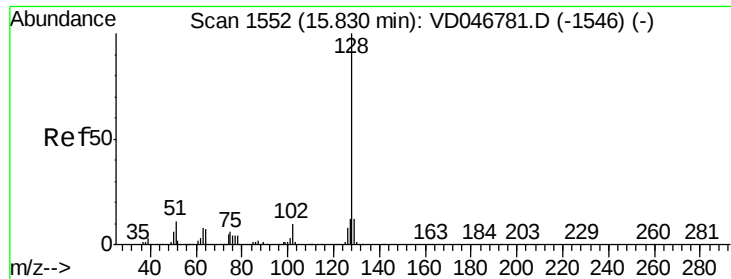
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#94
 Hexachlorobutadiene
 Concen: 22.69 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33736		
223	59.4	30.4	91.2	
227	62.7	31.3	93.9	





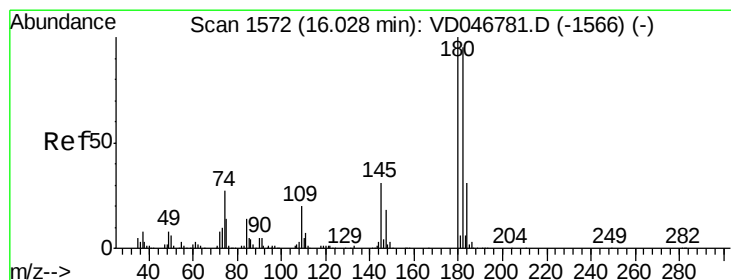
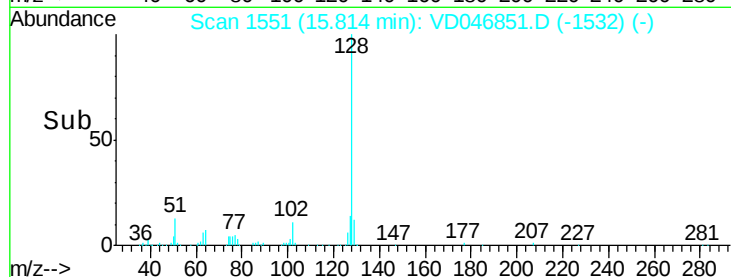
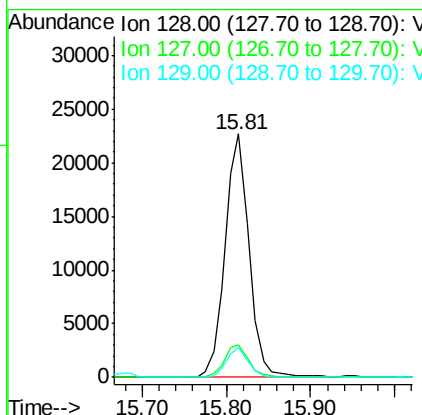
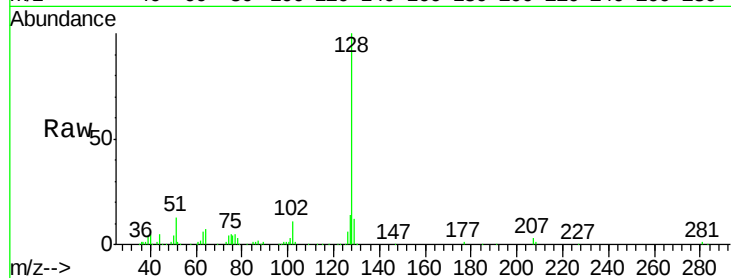
#95
Naphthalene
Concen: 20.19 ug/l
RT: 15.81 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	44700		
127	13.5		9.8	14.6
129	12.0		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.10 ug/l
RT: 16.01 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33355		
182	94.0		47.4	142.3
145	27.6		15.4	46.4

