

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027169.D
 Acq On : 15 Sep 2015 15:56
 Operator : MD\FY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:45:55 AM

Quant Time: Sep 15 17:49:00 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	603488	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1132505	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	952697	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	334347	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	61639	7.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.58%	
36) Dibromofluoromethane	7.68	113	39684	5.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.44%	
51) Toluene-d8	10.19	98	153204	5.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.06%	
63) 4-Bromofluorobenzene	12.52	95	50518	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	33855	7.03	ug/l	100
3) Chlorodifluoromethane	1.82	51	41608	6.27	ug/l #	92
4) Chloromethane	2.01	50	42584	5.78	ug/l	99
5) Vinyl Chloride	2.14	62	41538	5.73	ug/l	92
6) Bromomethane	2.54	94	19461	4.85	ug/l	96
7) Chloroethane	2.68	64	29482	7.39	ug/l	100
8) Trichlorofluoromethane	3.02	101	63859	7.35	ug/l	98
9) Diethyl Ether	3.43	74	27920	7.16	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	3.79	101	40371	6.77	ug/l	97
11) Methyl Iodide	3.99	142	35884	5.21	ug/l #	88
12) Tert butyl alcohol	4.81	59	34270	60.72	ug/l #	74
13) 1,1-Dichloroethene	3.76	96	38441	6.72	ug/l	96
14) Acrolein	3.63	56	35522	36.21	ug/l	99
15) Allyl chloride	4.37	41	79819	8.20	ug/l #	84
16) Acrylonitrile	5.03	53	91472	33.77	ug/l	97
17) Acetone	3.83	43	85853	36.68	ug/l	96
18) Carbon Disulfide	4.11	76	122986	6.86	ug/l	99
19) Methyl Acetate	4.37	43	118003	7.65	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	154943	7.99	ug/l	99
21) Methylene Chloride	4.60	84	46460	6.67	ug/l	99
22) trans-1,2-Dichloroethene	5.13	96	42990	6.70	ug/l	98
23) Diisopropyl ether	6.04	45	163297	7.76	ug/l #	85
24) Vinyl Acetate	5.98	43	257506m	40.76	ug/l	
25) 1,1-Dichloroethane	5.93	63	96792	8.11	ug/l	99
26) 2-Butanone	6.93	43	132222	41.18	ug/l	99
27) 2,2-Dichloropropane	6.92	77	81612	8.66	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	46908	6.26	ug/l	91
29) Bromochloromethane	7.29	49	36528	6.36	ug/l	96
30) Tetrahydrofuran	7.32	42	81740	38.70	ug/l	90
31) Chloroform	7.46	83	88318	7.34	ug/l	98
32) Cyclohexane	7.76	56	102095	7.30	ug/l #	80
33) 1,1,1-Trichloroethane	7.67	97	76467	7.50	ug/l	96
37) 1,1-Dichloropropene	7.89	75	64183	6.04	ug/l	98
38) Ethyl Acetate	7.03	43	52704	6.99	ug/l #	93

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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MMDadoda
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 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.89	117	64072	6.38	ug/l	96
40) Methylcyclohexane	9.19	83	77422	6.02	ug/l	97
41) Benzene	8.14	78	195871	5.97	ug/l	99
42) Methacrylonitrile	7.25	41	31883	6.53	ug/l	88
43) 1,2-Dichloroethane	8.22	62	76889	6.82	ug/l	98
44) Isopropyl Acetate	8.25	43	110402	8.08	ug/l	99
45) Trichloroethene	8.94	130	39059	4.89	ug/l	89
46) 1,2-Dichloropropane	9.22	63	55893	6.55	ug/l	98
47) Dibromomethane	9.31	93	32126	6.32	ug/l	92
48) Bromodichloromethane	9.49	83	68173	6.45	ug/l	96
49) Methyl methacrylate	9.29	41	52459	7.55	ug/l #	90
50) 1,4-Dioxane	9.30	88	12689	127.00	ug/l #	80
52) 4-Methyl-2-Pentanone	10.07	43	286576	36.99	ug/l	96
53) Toluene	10.26	92	112341	5.64	ug/l	100
54) t-1,3-Dichloropropene	10.48	75	73280	6.94	ug/l	96
55) cis-1,3-Dichloropropene	9.93	75	83047	6.77	ug/l #	89
56) 1,1,2-Trichloroethane	10.66	97	44758	5.89	ug/l	97
57) Ethyl methacrylate	10.52	69	71818	6.99	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	79593	6.33	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	159208	39.84	ug/l	96
60) 2-Hexanone	10.84	43	200641	38.89	ug/l	99
61) Dibromochloromethane	11.00	129	42416	5.42	ug/l	97
62) 1,2-Dibromoethane	11.11	107	42496	5.85	ug/l	98
65) Tetrachloroethene	10.74	164	31268	4.60	ug/l	95
66) Chlorobenzene	11.54	112	111764	5.38	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	40340	5.63	ug/l	96
68) Ethyl Benzene	11.62	91	216905	6.21	ug/l	98
69) m/p-Xylenes	11.73	106	147567	11.37	ug/l	95
70) o-Xylene	12.06	106	74189	5.81	ug/l	92
71) Styrene	12.08	104	115738	5.64	ug/l	94
72) Bromoform	12.24	173	26686	5.38	ug/l #	99
74) Isopropylbenzene	12.36	105	197125	6.83	ug/l	99
75) N-amyl acetate	12.17	43	90347	10.23	ug/l	97
76) 1,1,2,2-Tetrachloroethane	12.61	83	58812	7.51	ug/l	96
77) 1,2,3-Trichloropropane	12.66	75	57218m	8.65	ug/l	
78) Bromobenzene	12.64	156	37797	5.44	ug/l	91
79) n-propylbenzene	12.71	91	222859	7.02	ug/l	99
80) 2-Chlorotoluene	12.79	91	140629	7.15	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	152325	6.95	ug/l	97
82) trans-1,4-Dichloro-2-buten	12.40	75	20800	8.94	ug/l	95
83) 4-Chlorotoluene	12.89	91	131665	6.92	ug/l	96
84) tert-Butylbenzene	13.11	119	134131	6.84	ug/l	92
85) 1,2,4-Trimethylbenzene	13.16	105	151531	6.86	ug/l	97
86) sec-Butylbenzene	13.29	105	187501	6.92	ug/l	99
87) p-Isopropyltoluene	13.41	119	142754	6.47	ug/l	96
88) 1,3-Dichlorobenzene	13.41	146	62455	5.20	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	62333	5.15	ug/l	91
90) n-Butylbenzene	13.74	91	127928	6.69	ug/l	99
91) Hexachloroethane	14.01	117	32581	7.41	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	61232	5.16	ug/l	92

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

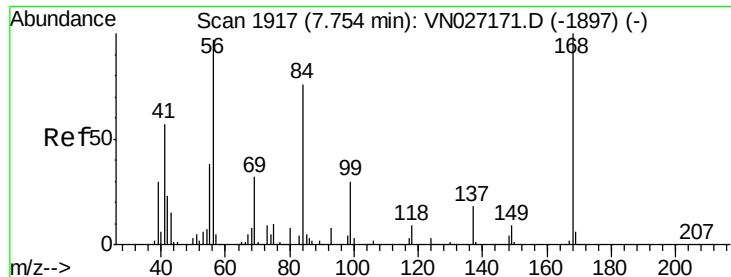
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 17:32:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	11795	10.12	ug/l	82
94) 1,2,4-Trichlorobenzene	15.06	180	30269	5.05	ug/l	96
95) Hexachlorobutadiene	15.16	225	17261	5.20	ug/l	96
96) Naphthalene	15.29	128	86918	6.06	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	29922	5.03	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 603488

Ion Ratio Lower Upper

168 100

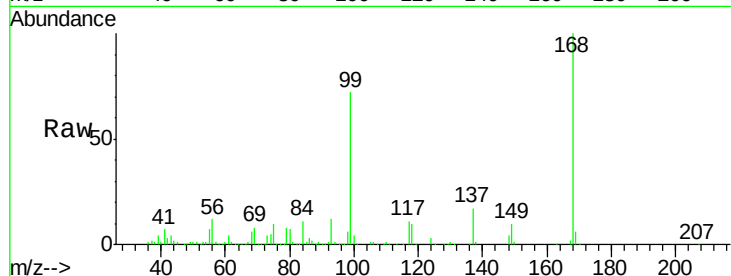
99 72.1 50.4 75.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

250000

200000

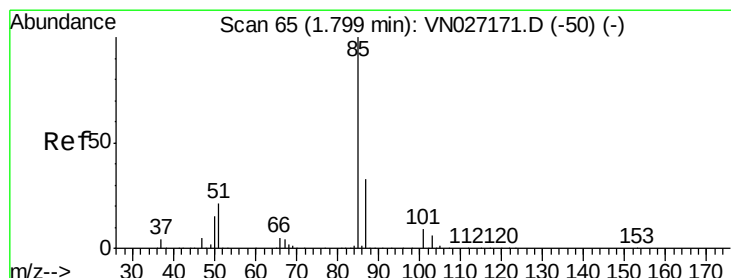
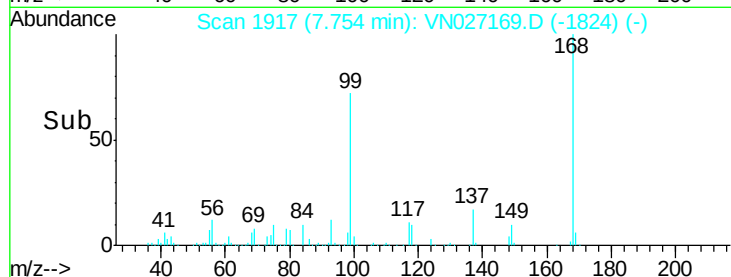
150000

100000

50000

0

Time--> 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 7.03 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027169.D

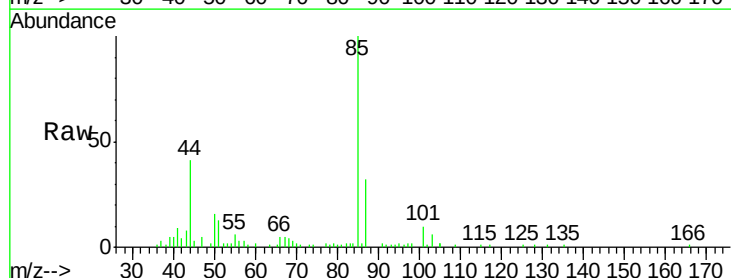
Acq: 15 Sep 2015 15:56

Tgt Ion: 85 Resp: 33855

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.80

25000

20000

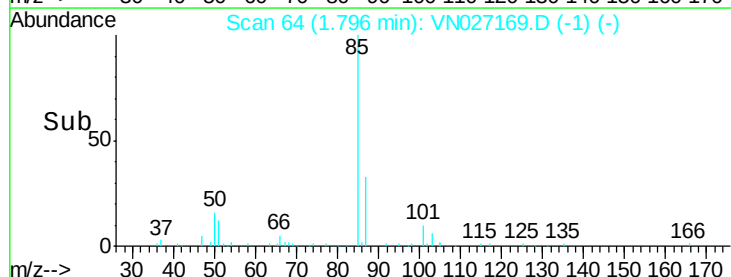
15000

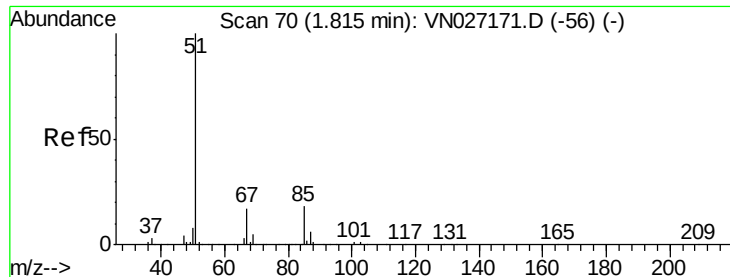
10000

5000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chlorodifluoromethane

Concen: 6.27 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 51 Resp: 41608

Ion Ratio Lower Upper

51 100

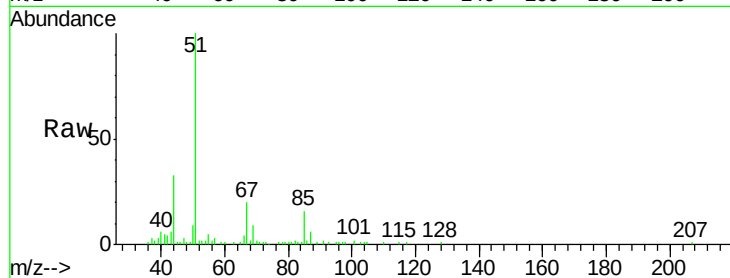
67 18.5 12.2 18.2#

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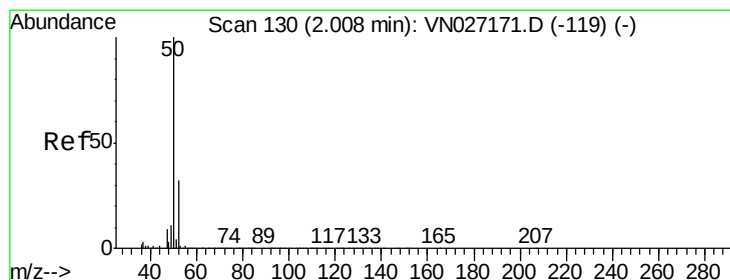
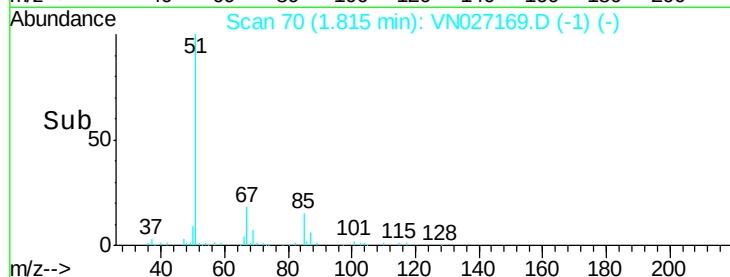
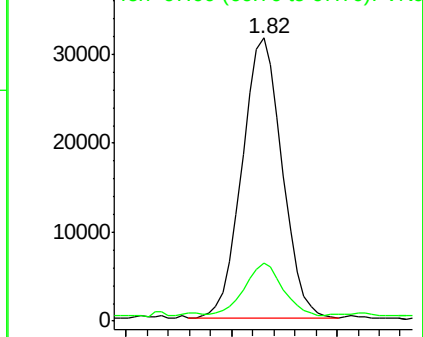
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 5.78 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027169.D

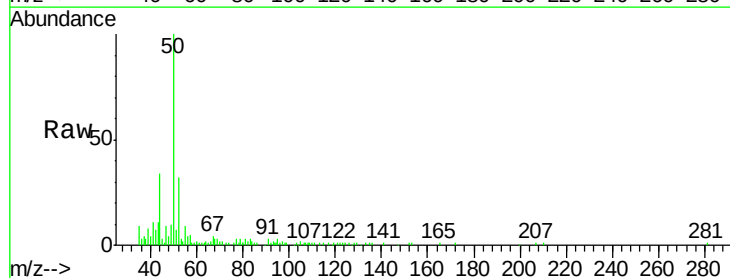
Acq: 15 Sep 2015 15:56

Tgt Ion: 50 Resp: 42584

Ion Ratio Lower Upper

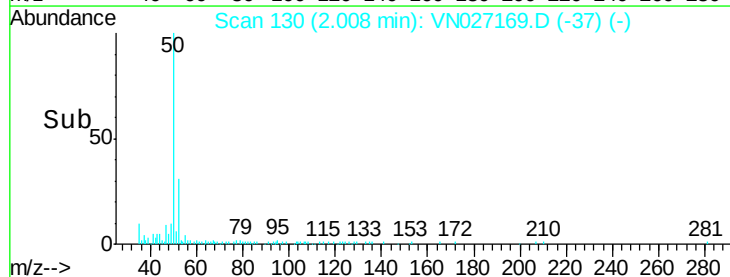
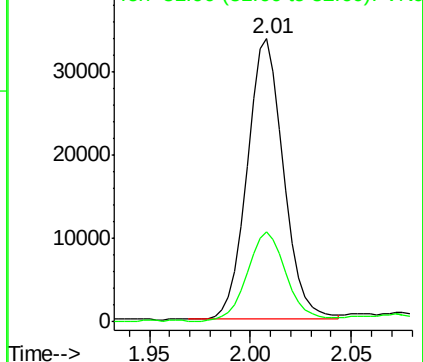
50 100

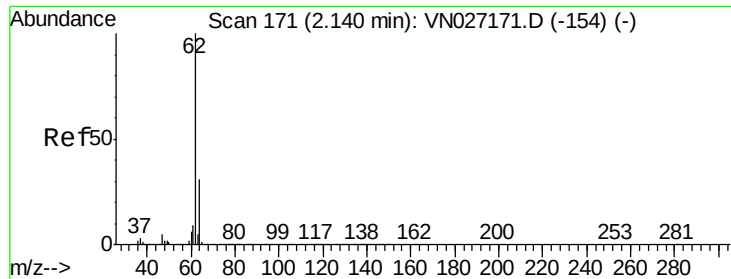
52 32.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 5.73 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 62 Resp: 41538

Ion Ratio Lower Upper

62 100

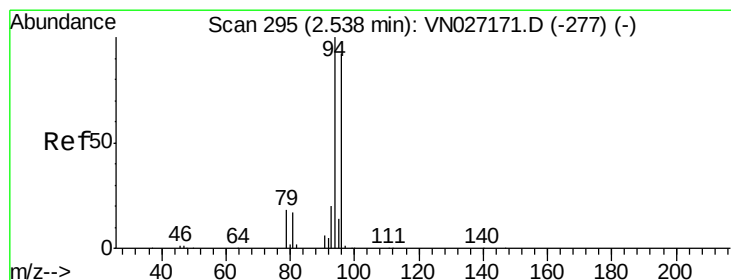
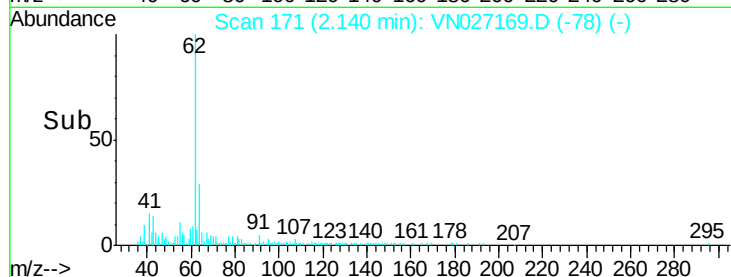
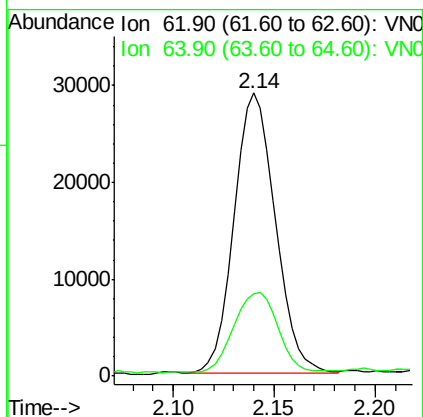
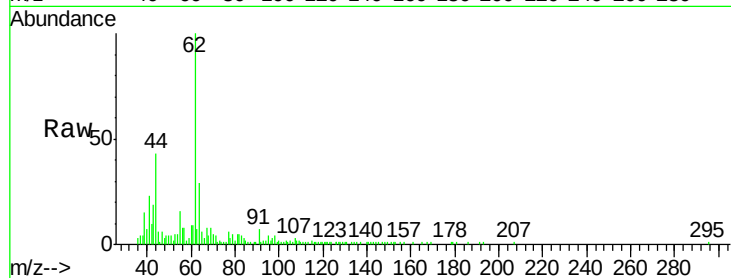
64 27.8 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 4.85 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027169.D

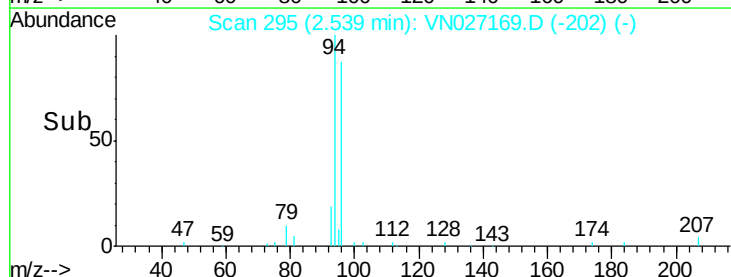
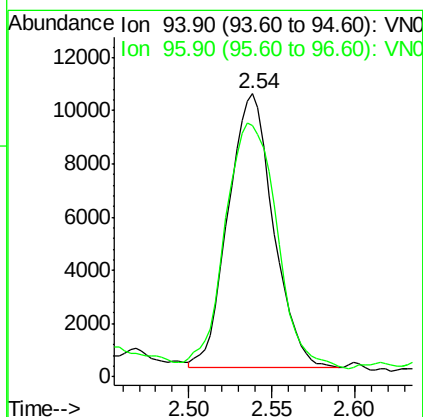
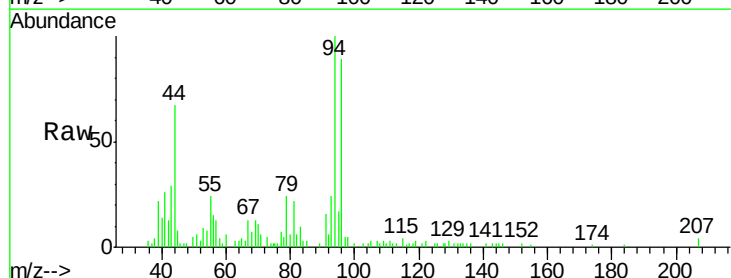
Acq: 15 Sep 2015 15:56

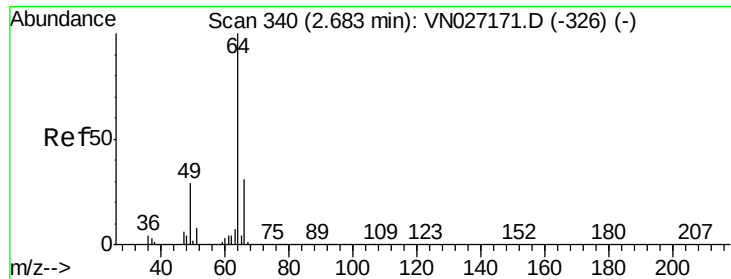
Tgt Ion: 94 Resp: 19461

Ion Ratio Lower Upper

94 100

96 88.0 73.4 110.2





#7

Chloroethane

Concen: 7.39 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 64 Resp: 29482

Ion Ratio Lower Upper

64 100

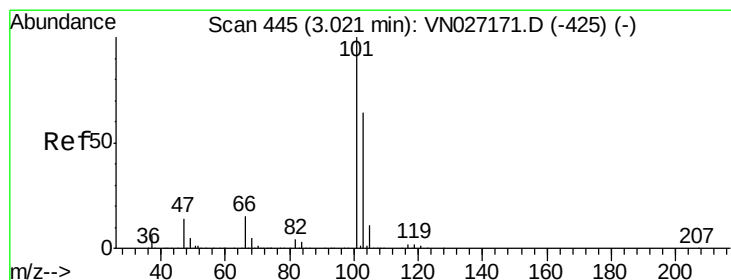
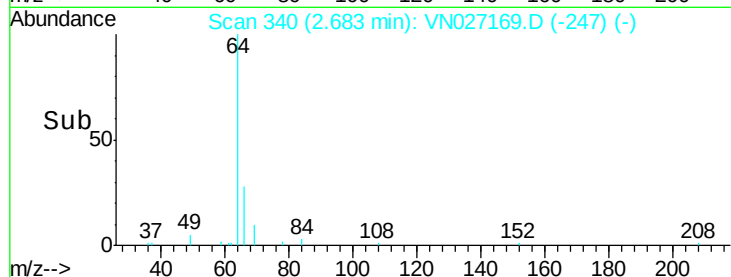
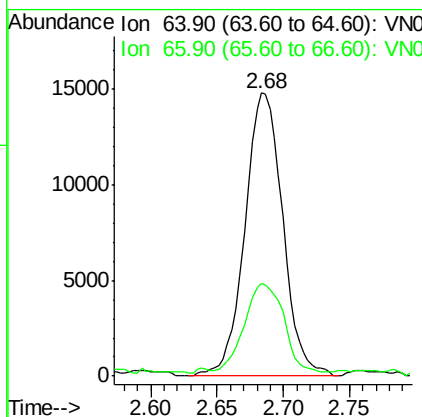
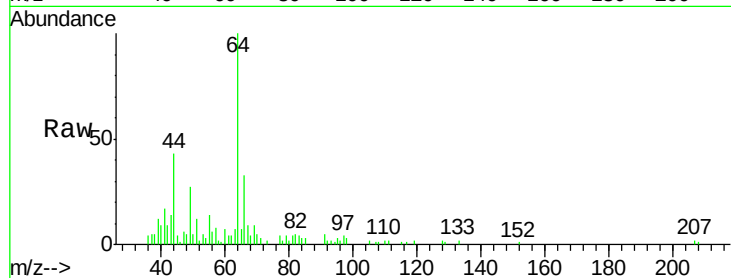
66 31.7 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 7.35 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027169.D

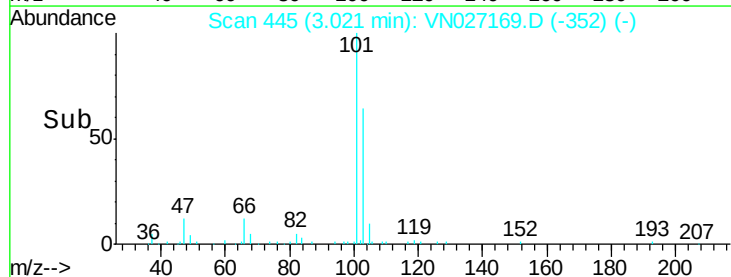
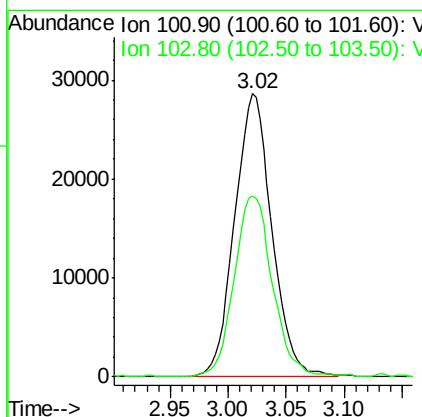
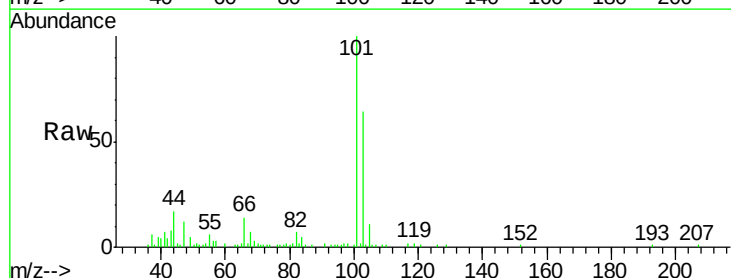
Acq: 15 Sep 2015 15:56

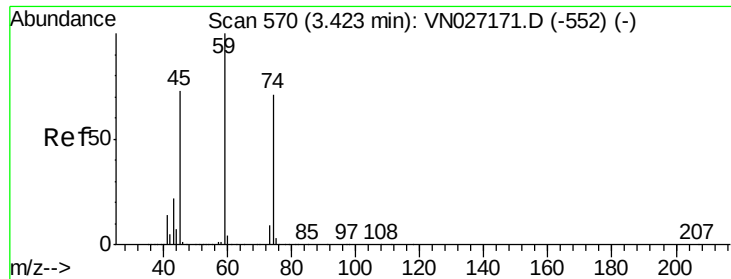
Tgt Ion: 101 Resp: 63859

Ion Ratio Lower Upper

101 100

103 63.8 52.6 79.0





#9

Diethyl Ether

Concen: 7.16 ug/l

RT: 3.43 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 74 Resp: 27920

Ion Ratio Lower Upper

74 100

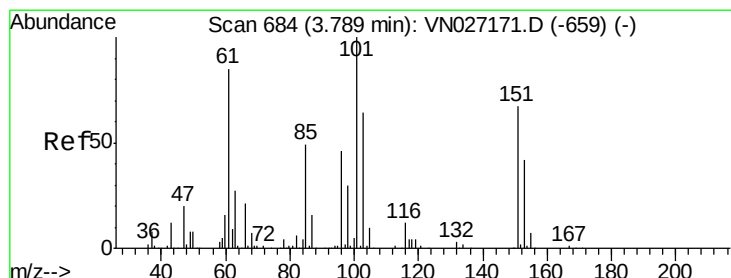
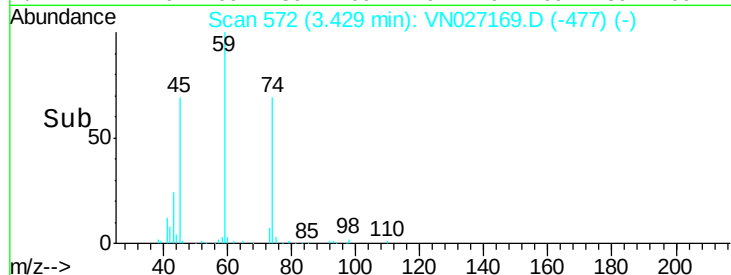
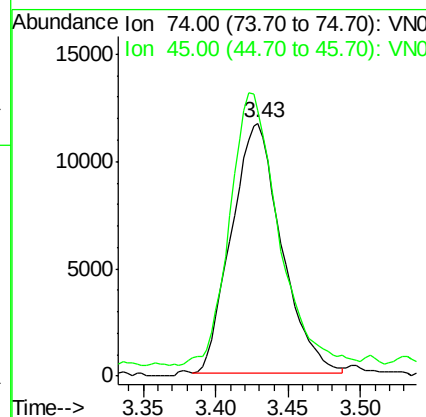
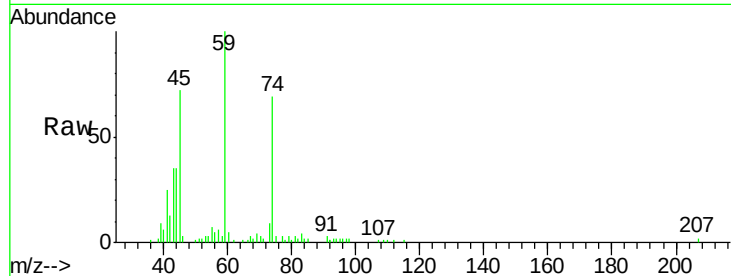
45 105.1 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 6.77 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

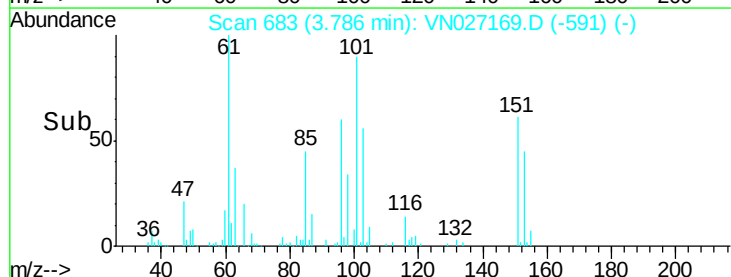
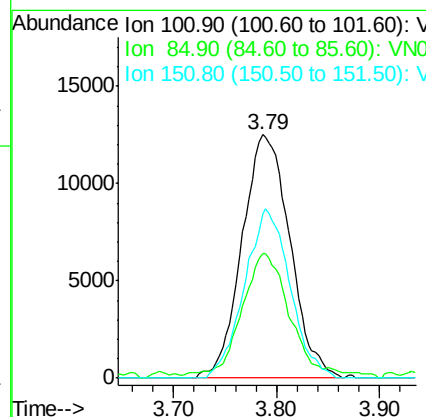
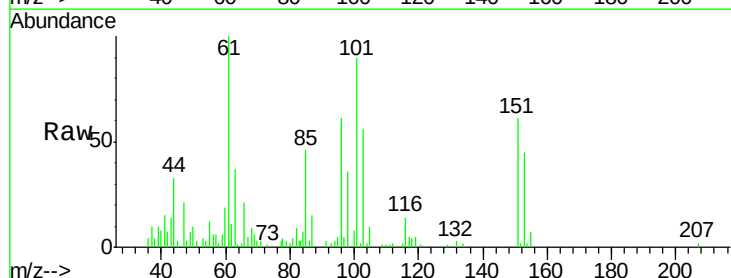
Tgt Ion: 101 Resp: 40371

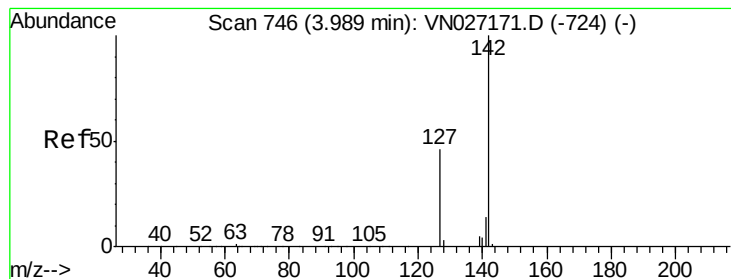
Ion Ratio Lower Upper

101 100

85 48.0 37.4 56.0

151 66.1 55.9 83.9





#11

Methvl Iodide

Concen: 5.21 ug/l

RT: 3.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

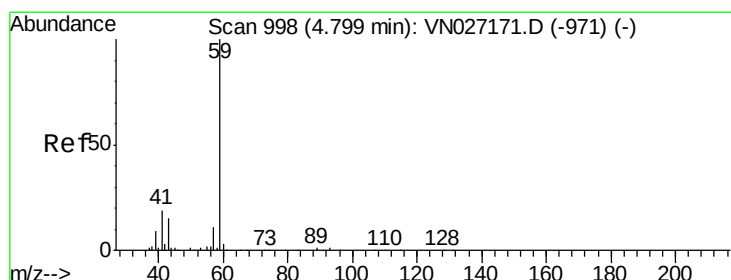
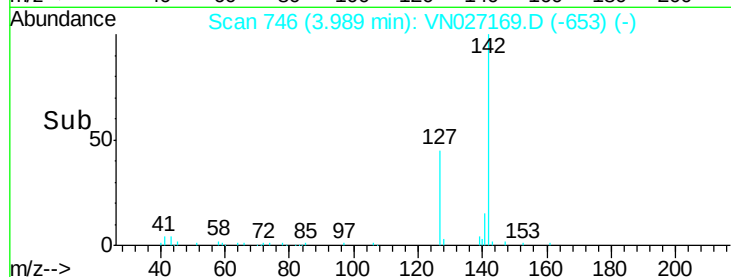
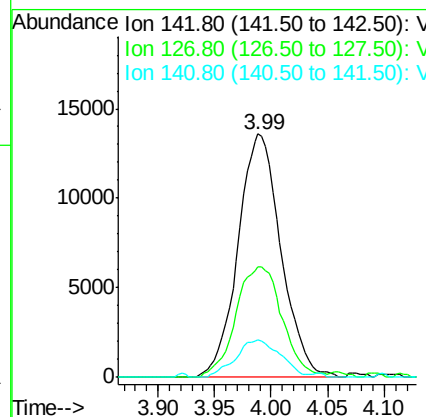
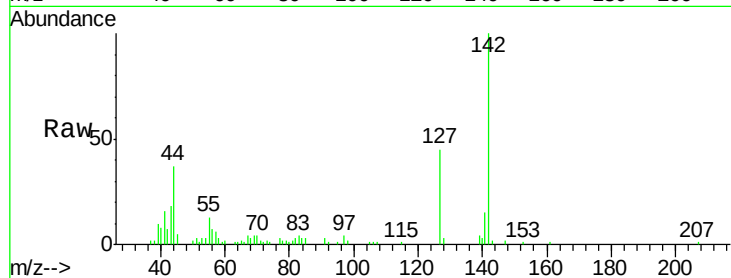
ClientSampleId :

VSTDIC005

Tot Ion:	142	Resp:	35884
Ion	Ratio	Lower	Upper
142	100		
127	49.1	32.3	48.5#
141	16.0	11.2	16.8

Manual Integrations
APPROVED

MMDadoda
9/16/2015 11:45:55 AM



#12

Tert butyl alcohol

Concen: 60.72 ug/l

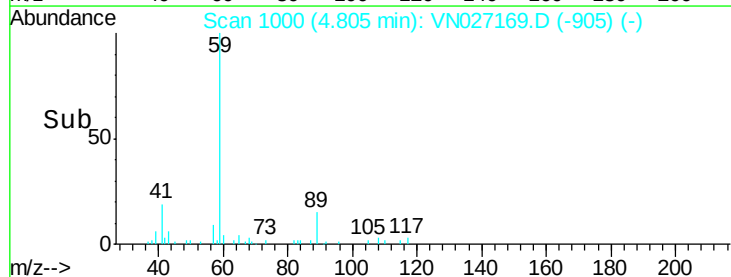
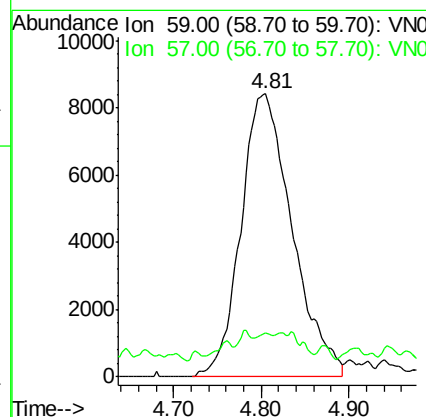
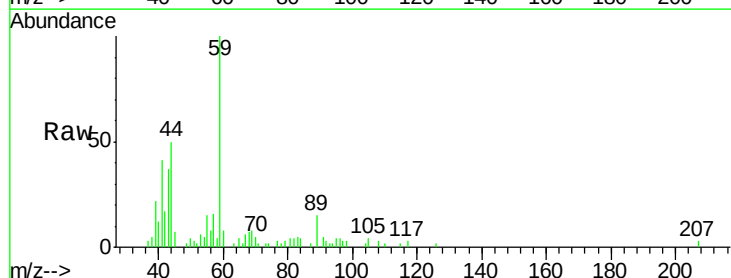
RT: 4.81 min Scan# 1000

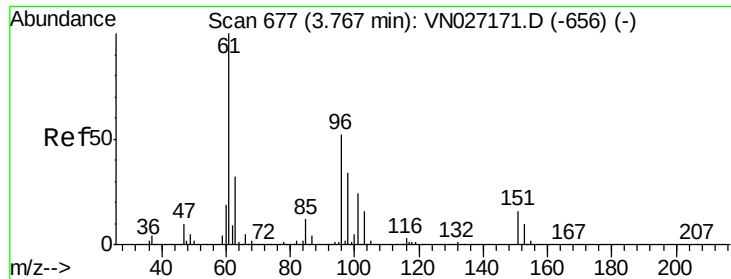
Delta R.T. 0.01 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion:	59	Resp:	34270
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#





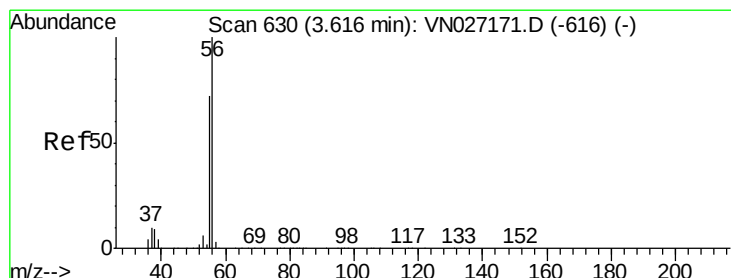
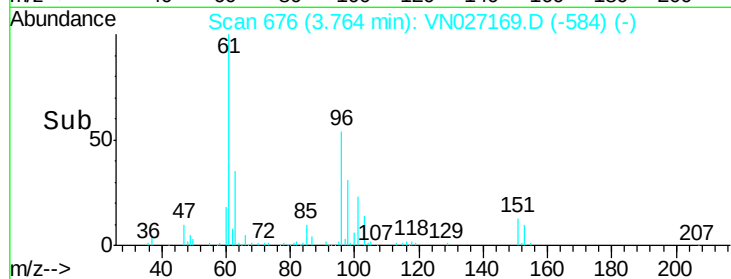
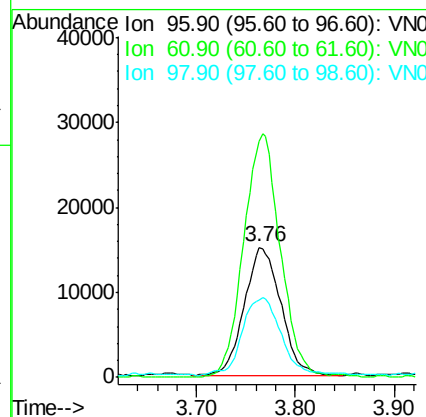
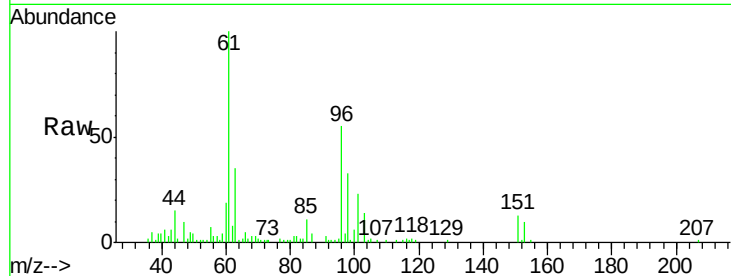
#13
1,1-Dichloroethene
Concen: 6.72 ug/l
RT: 3.76 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.8	143.8	215.8
98	58.8	50.3	75.5

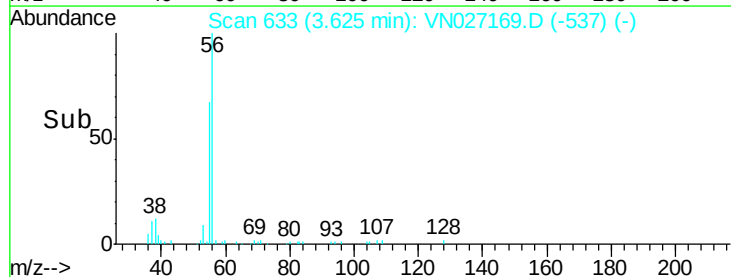
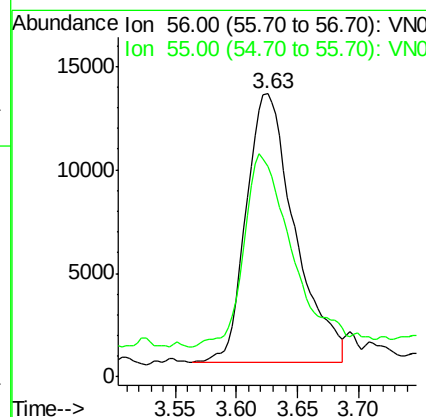
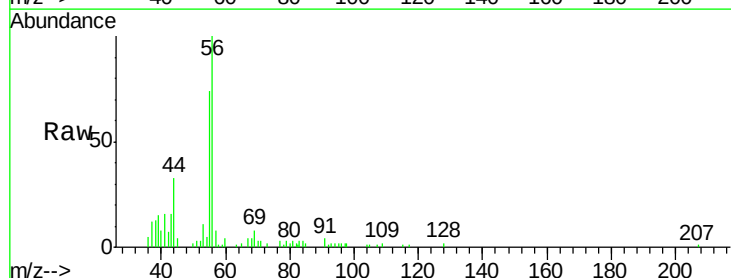
Manual Integrations
APPROVED

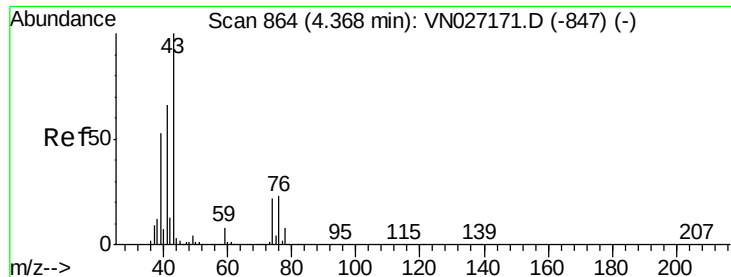
MMDadoda
9/16/2015 11:45:55 AM



#14
Acrolein
Concen: 36.21 ug/l
RT: 3.63 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.7	83.5





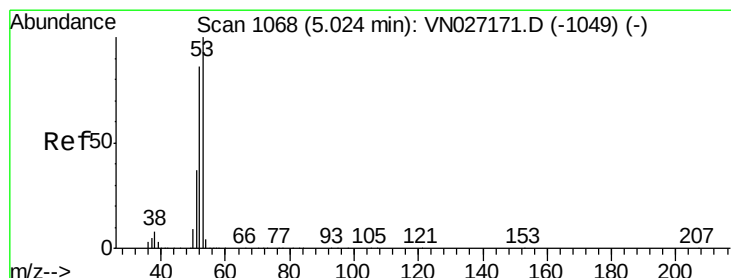
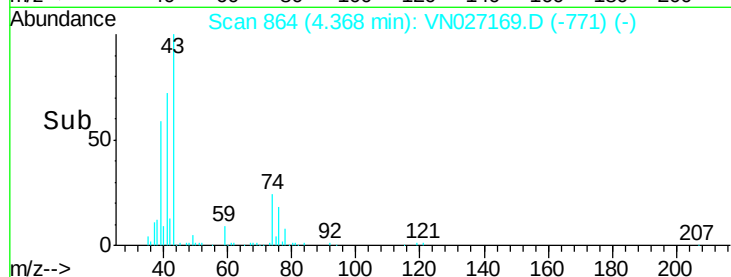
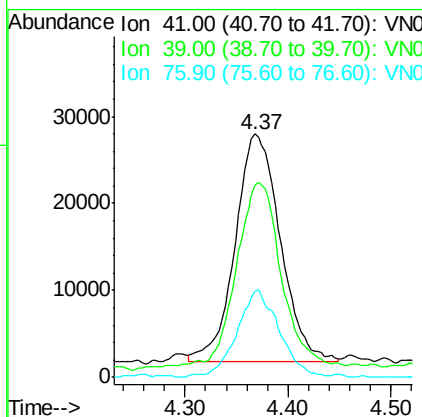
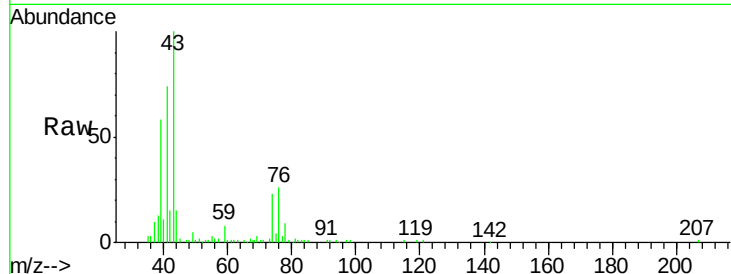
#15
Allvl chloride
Concen: 8.20 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.0	49.7	74.5#
76	34.0	24.8	37.2

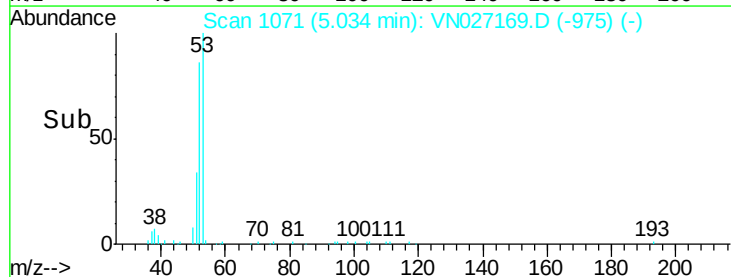
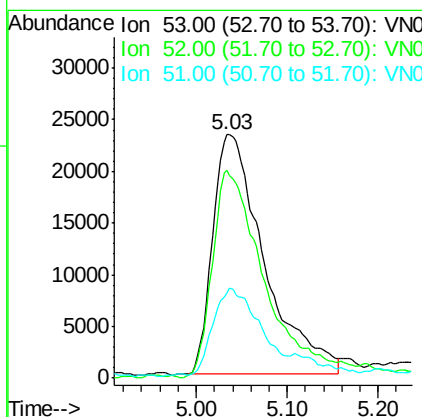
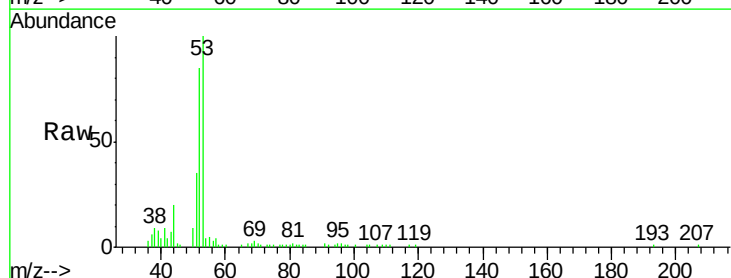
Manual Integrations
APPROVED

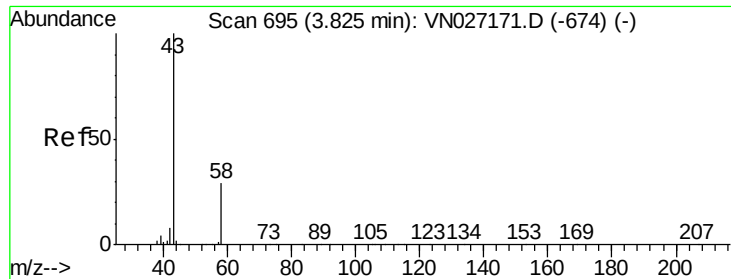
MMDadoda
9/16/2015 11:45:55 AM



#16
Acrylonitrile
Concen: 33.77 ug/l
RT: 5.03 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.3	66.9	100.3
51	32.5	27.4	41.0





#17

Acetone

Concen: 36.68 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tot Ion: 43 Resp: 85853

Ion Ratio Lower Upper

43 100

58 29.3 25.4 38.0

Instrument :

MSVOA_N

ClientSampleId :

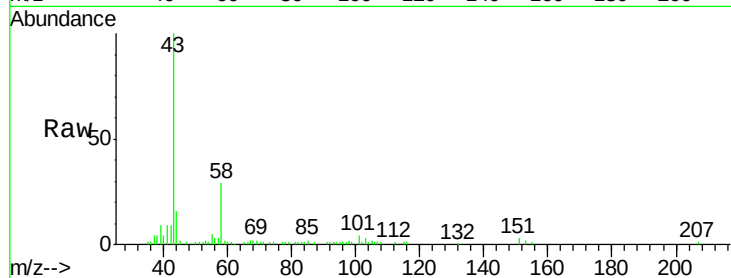
VSTDIC005

Manual Integrations

APPROVED

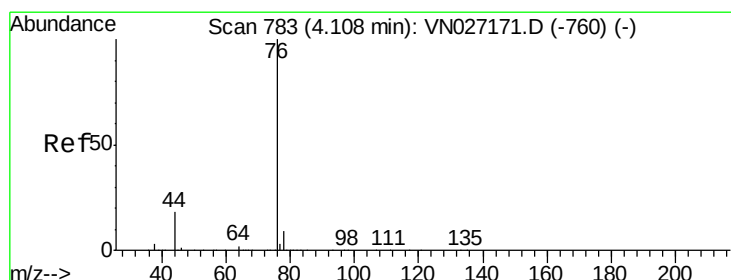
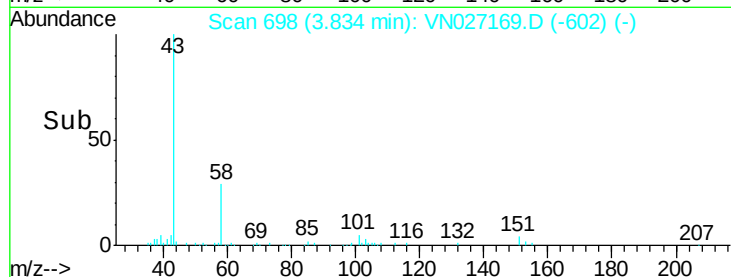
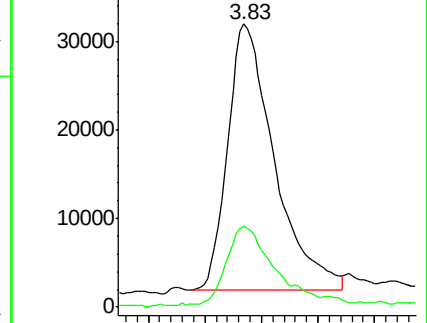
MMDadoda

9/16/2015 11:45:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 6.86 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027169.D

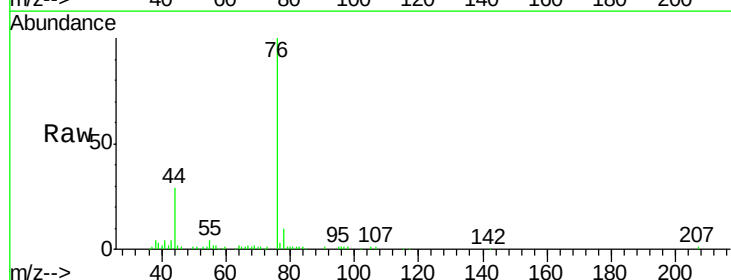
Acq: 15 Sep 2015 15:56

Tgt Ion: 76 Resp: 122986

Ion Ratio Lower Upper

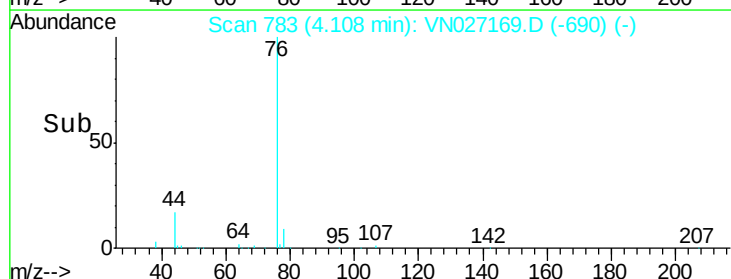
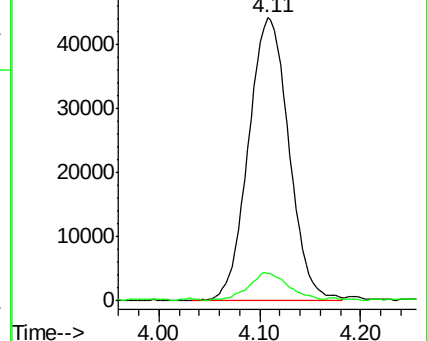
76 100

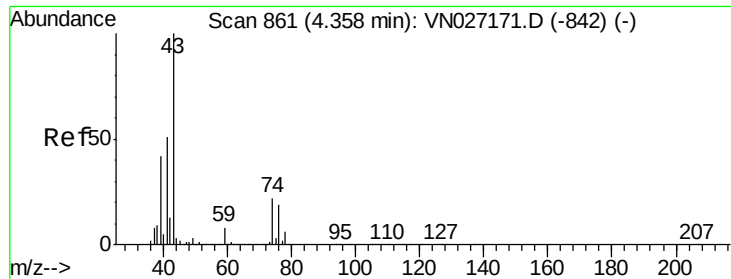
78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





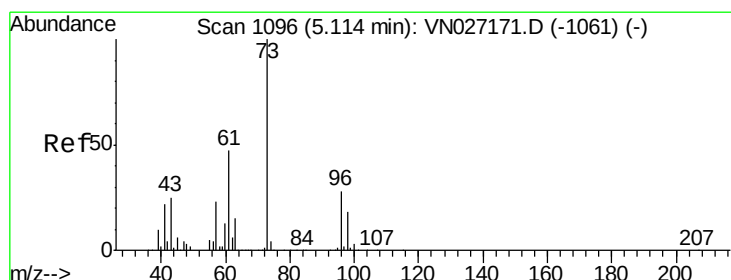
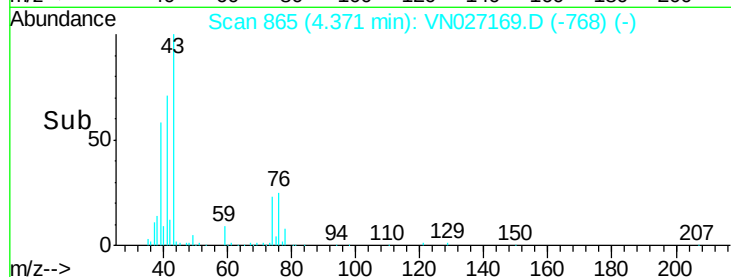
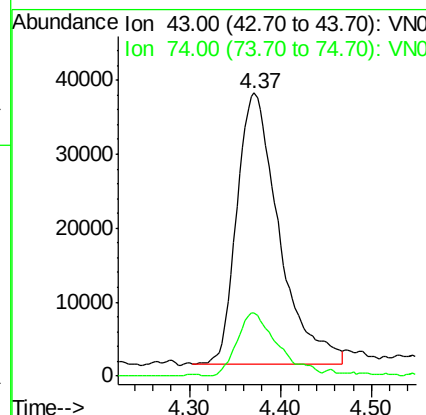
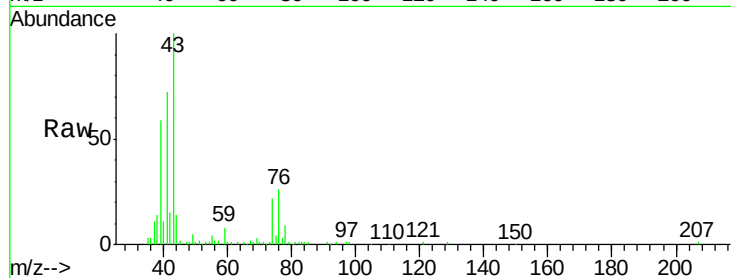
#19
Methvl Acetate
Concen: 7.65 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	118003
Ion Ratio	43	100	Lower Upper
	74	22.7	16.2 24.2

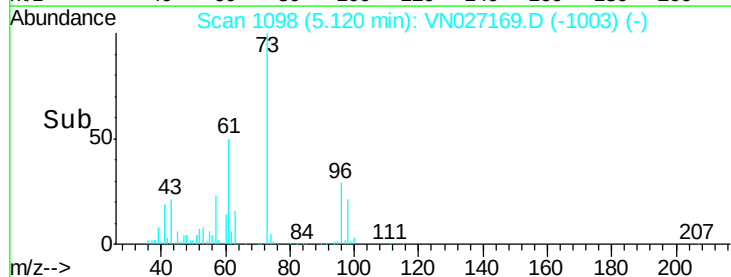
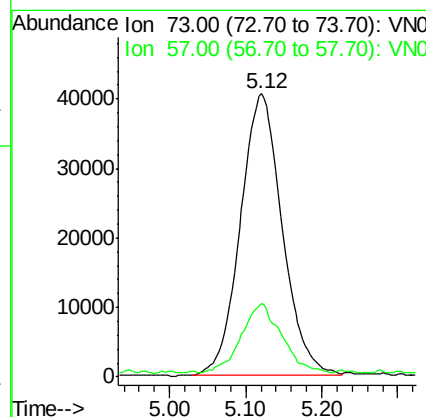
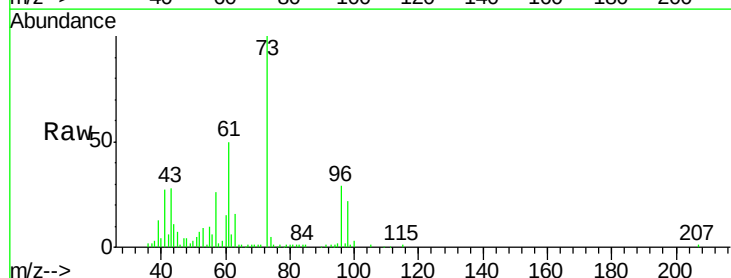
Manual Integrations
APPROVED

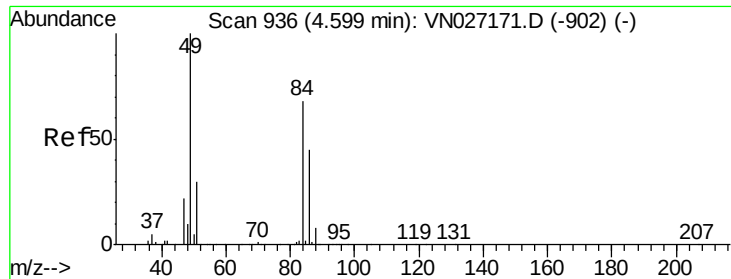
MMDadoda
9/16/2015 11:45:55 AM



#20
Methyl tert-butyl Ether
Concen: 7.99 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	73	Resp	154943
Ion Ratio	73	100	Lower Upper
	57	24.1	19.8 29.6





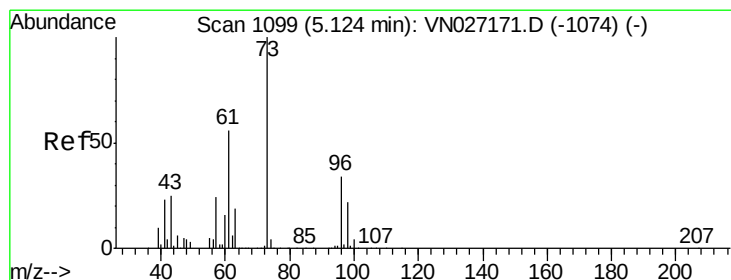
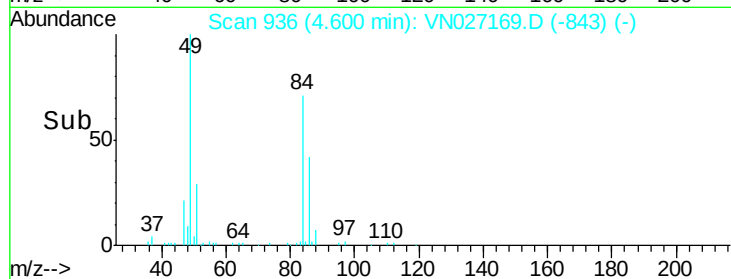
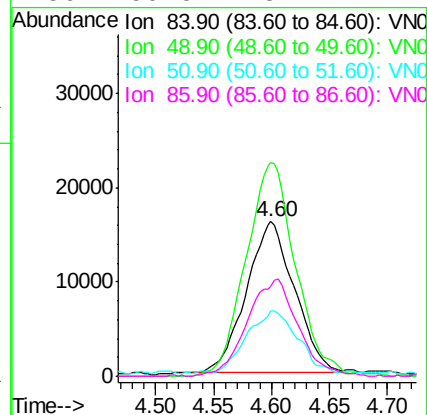
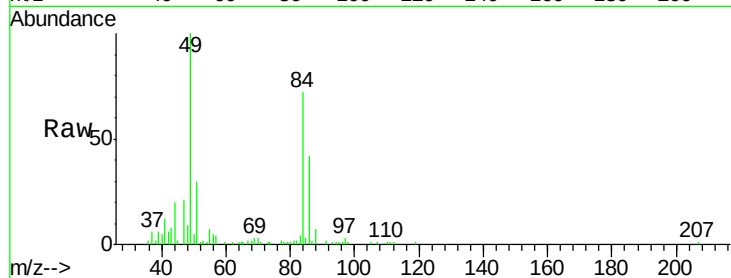
#21
Methvlene Chloride
Concen: 6.67 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	46460
Ion	Ratio	Lower	Upper
84	100		
49	141.3	112.3	168.5
51	40.8	33.8	50.8
86	59.3	48.2	72.4

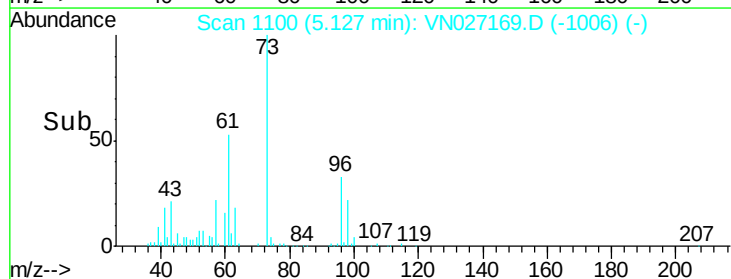
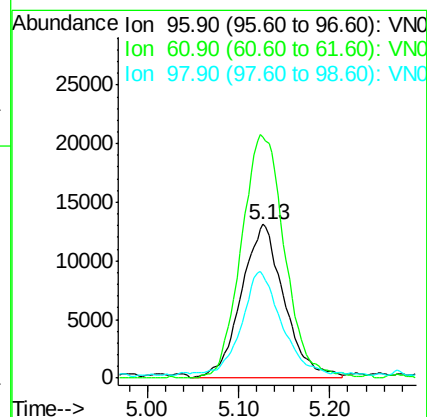
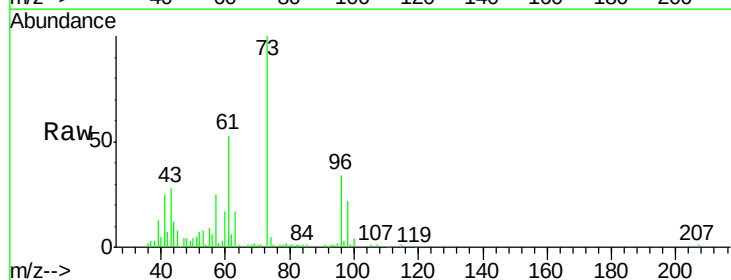
Manual Integrations
APPROVED

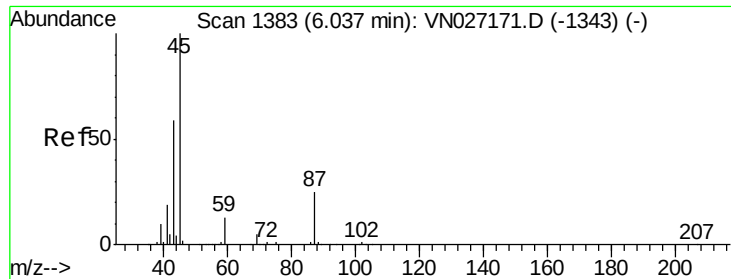
MMDadoda
9/16/2015 11:45:55 AM



#22
trans-1,2-Dichloroethene
Concen: 6.70 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion:	96	Resp:	42990
Ion	Ratio	Lower	Upper
96	100		
61	156.8	126.6	189.8
98	63.3	47.4	71.2





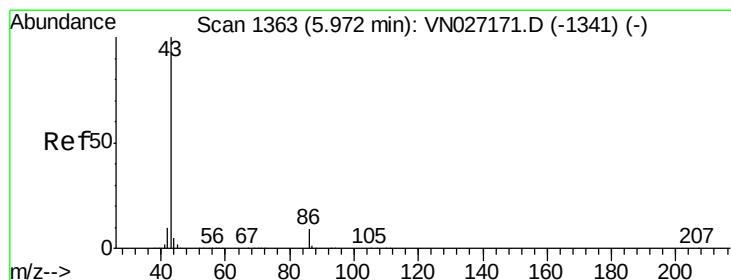
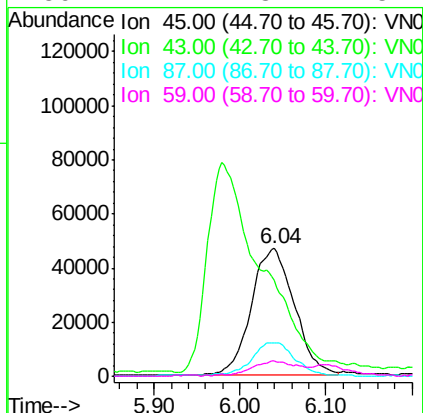
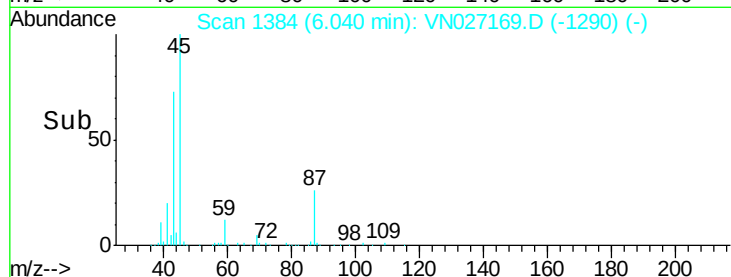
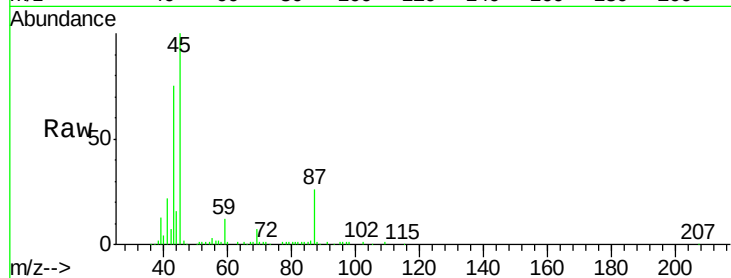
#23
Diisopropyl ether
Concen: 7.76 ug/l
RT: 6.04 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
45	100		
43	66.1	41.0	61.6#
87	25.5	17.5	26.3
59	11.1	8.7	13.1

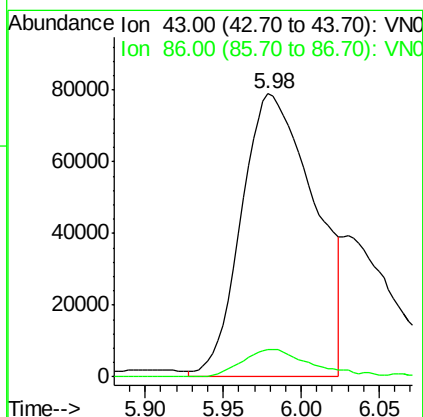
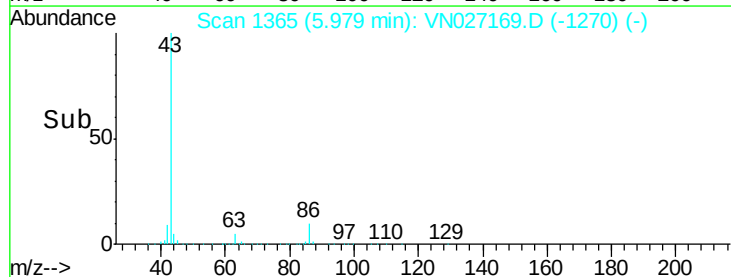
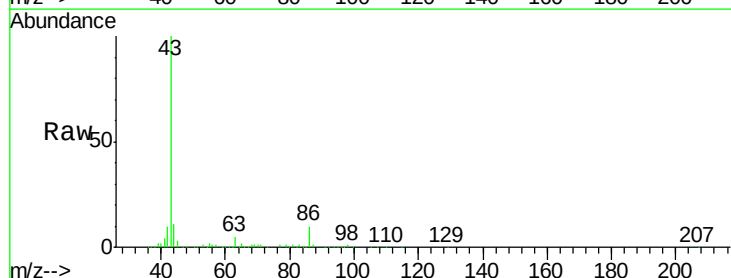
Manual Integrations
APPROVED

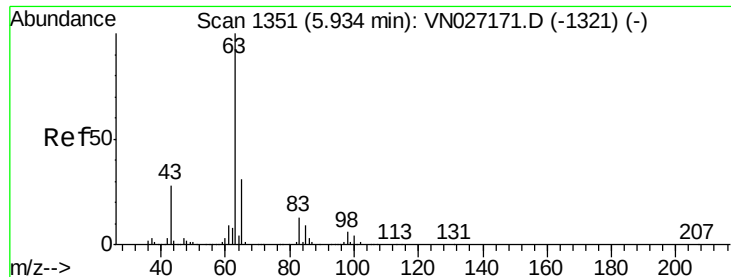
MMDadoda
9/16/2015 11:45:55 AM



#24
Vinyl Acetate
Concen: 40.76 ug/l m
RT: 5.98 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.6	6.9	10.3





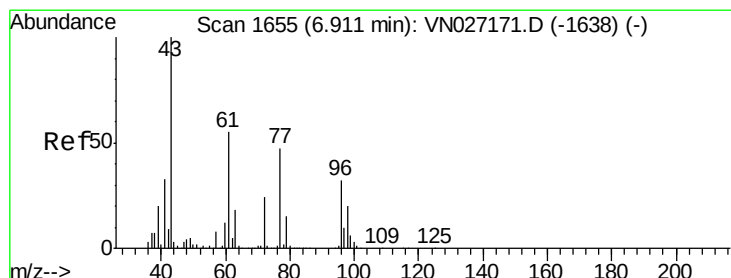
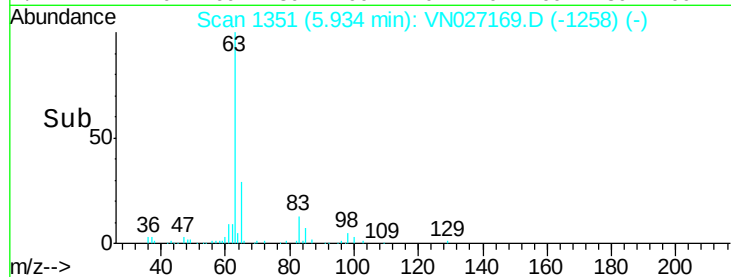
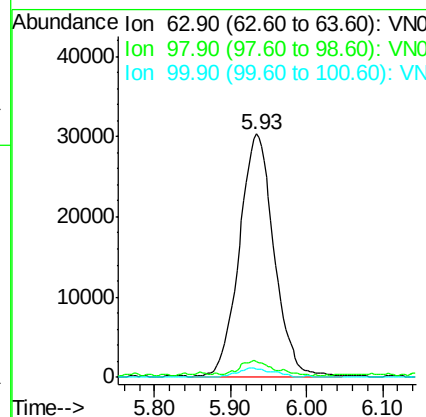
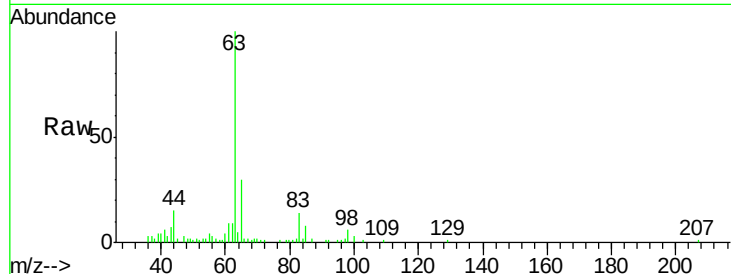
#25
 1,1-Dichloroethane
 Concen: 8.11 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100	96792		
98	5.2		2.8	8.3
100	3.4		1.7	5.0

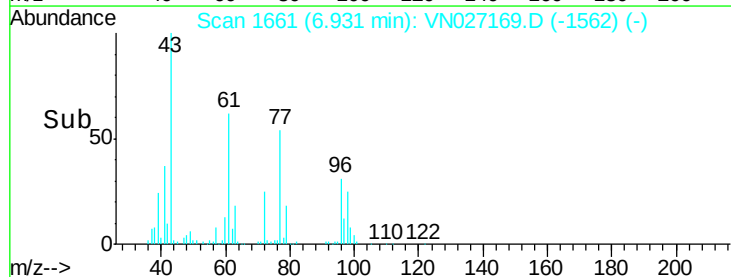
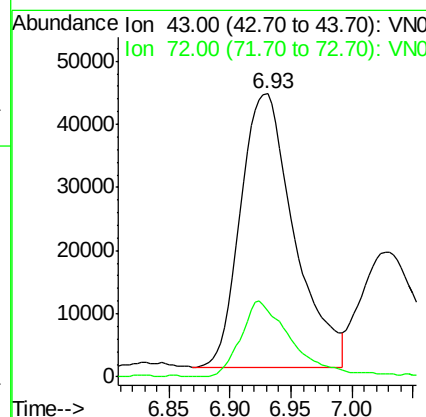
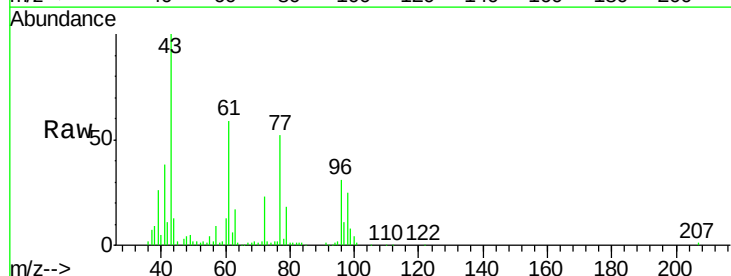
Manual Integrations
 APPROVED

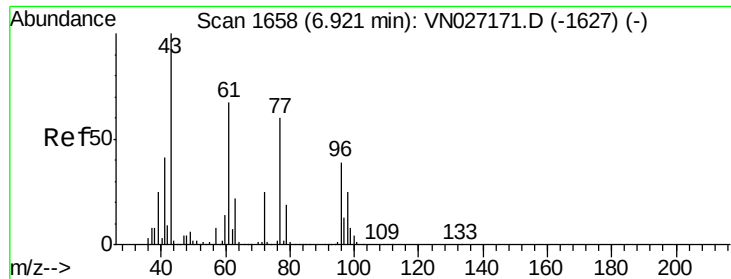
MMDadoda
 9/16/2015 11:45:55 AM



#26
 2-Butanone
 Concen: 41.18 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. 0.02 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	132222		
72	24.1		18.8	28.2





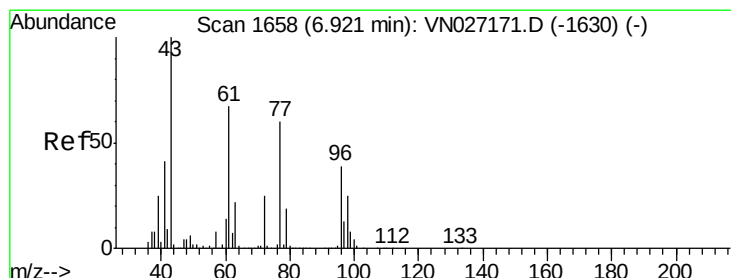
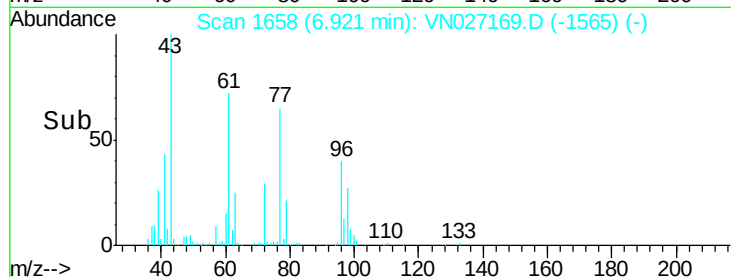
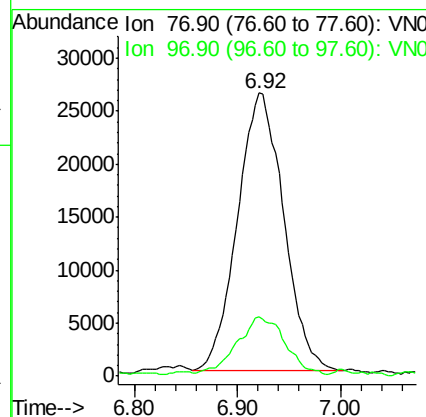
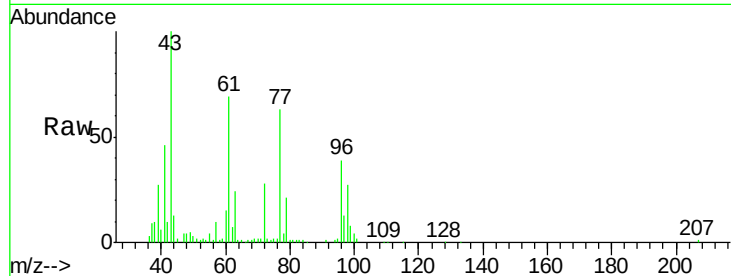
#27
 2,2-Dichloropropane
 Concen: 8.66 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 81612
 Ion Ratio Lower Upper
 77 100
 97 21.1 11.8 35.3

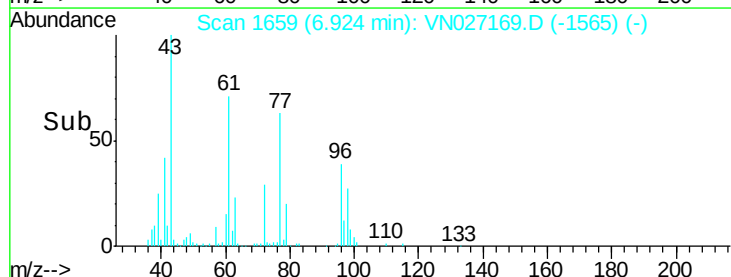
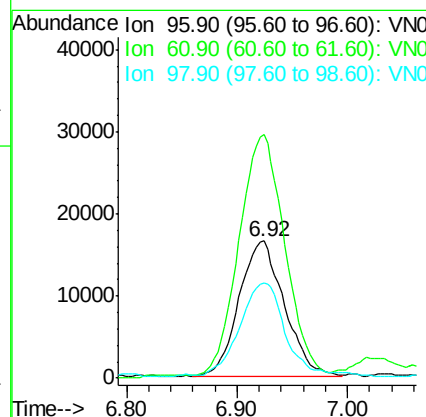
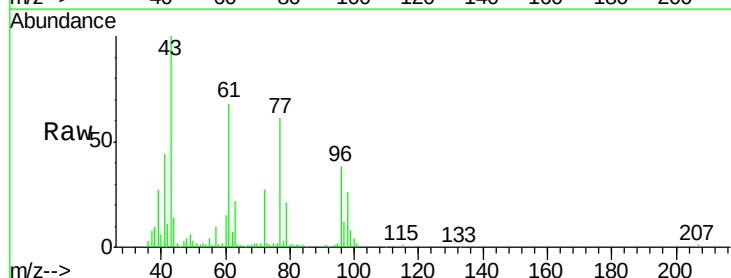
Manual Integrations
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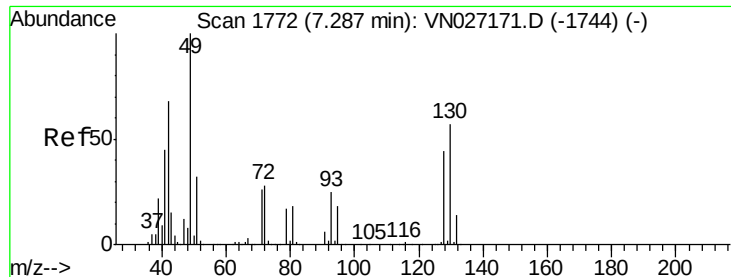
MMDadoda
 9/16/2015 11:45:55 AM



#28
 cis-1,2-Dichloroethene
 Concen: 6.26 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion: 96 Resp: 46908
 Ion Ratio Lower Upper
 96 100
 61 178.7 0.0 329.2
 98 66.8 0.0 126.0





#29

Bromochloromethane

Concen: 6.36 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 49 Resp: 36528

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.2

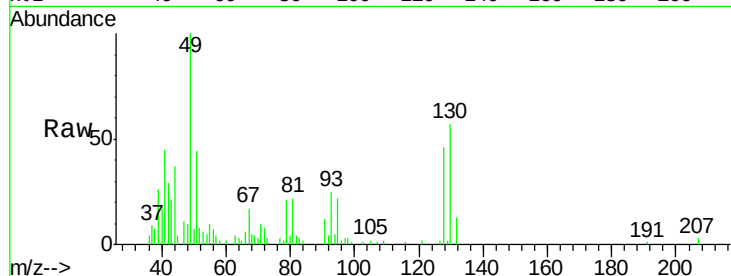
130 57.1 43.2 64.8

Manual Integrations

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MMDadoda

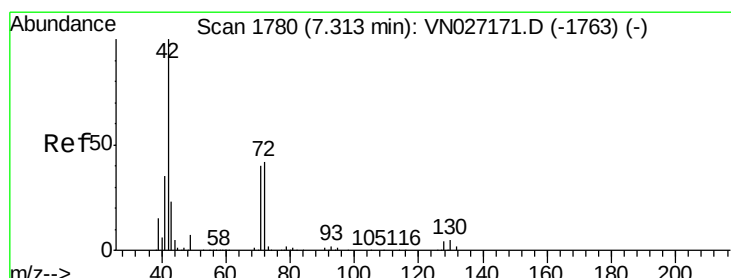
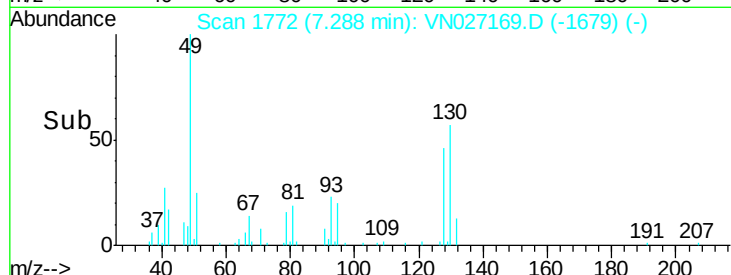
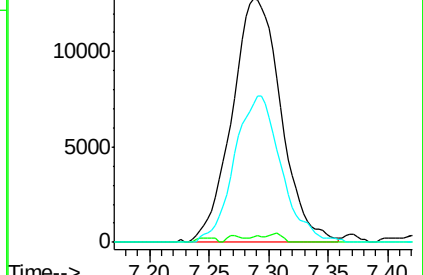
9/16/2015 11:45:55 AM



Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): VNO

Ion 129.80 (129.50 to 130.50): VNO



#30

Tetrahydrofuran

Concen: 38.70 ug/l

RT: 7.32 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

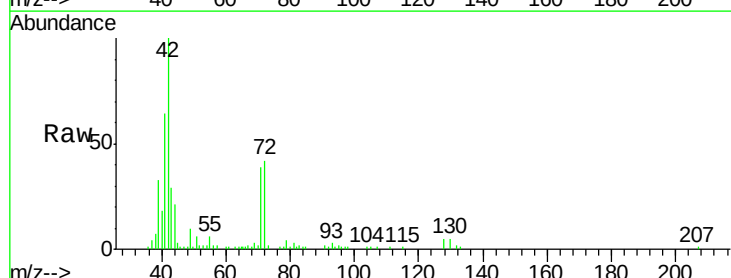
Tgt Ion: 42 Resp: 81740

Ion Ratio Lower Upper

42 100

72 44.1 29.9 44.9

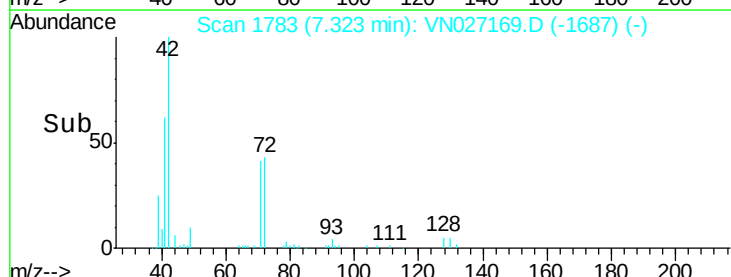
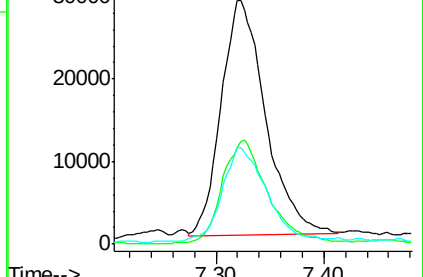
71 40.1 28.3 42.5

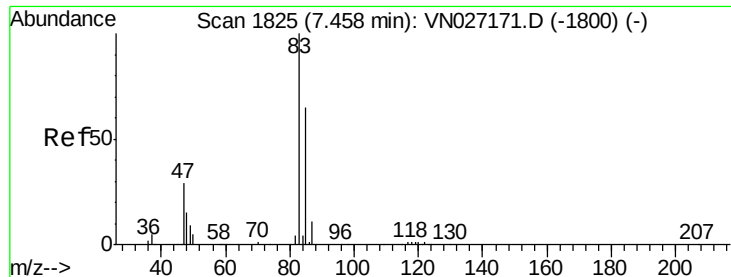


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





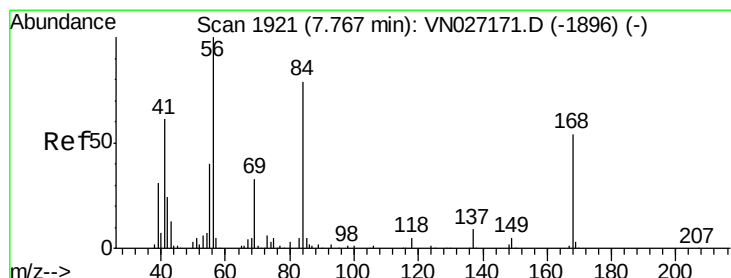
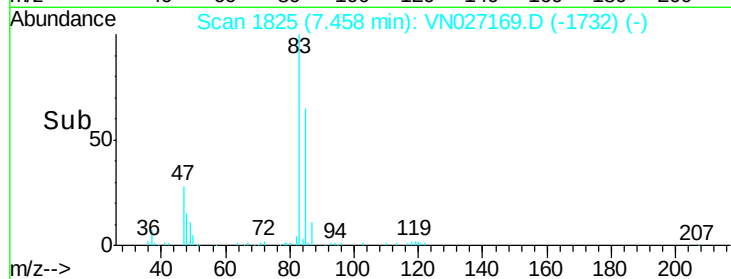
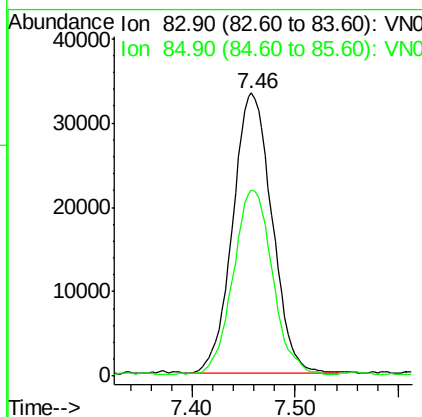
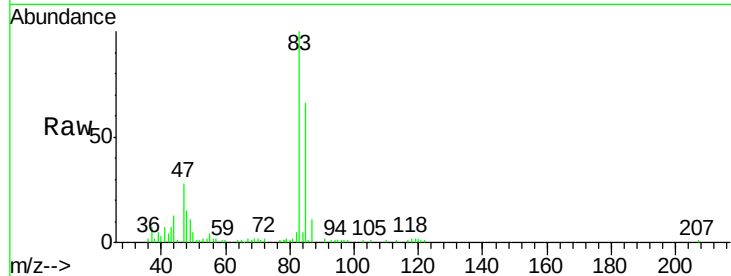
#31
Chloroform
Concen: 7.34 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	88318
Ion Ratio	100	Lower	Upper
85	65.3	51.1	76.7

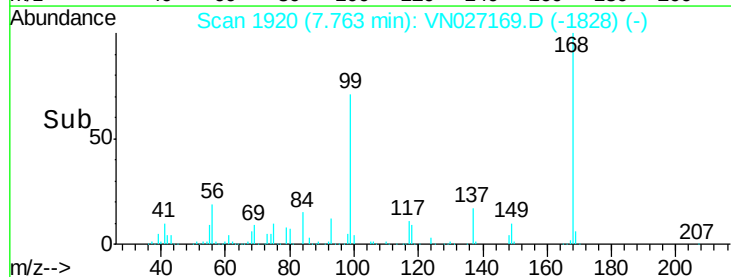
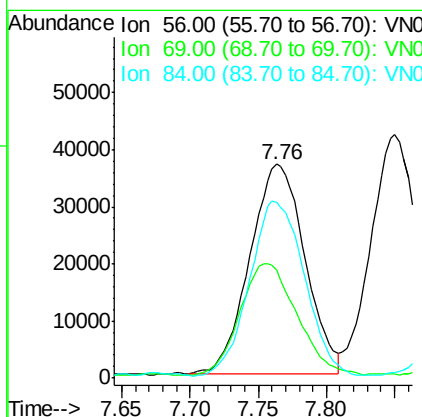
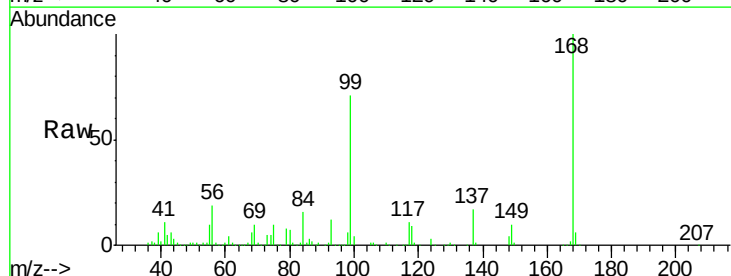
Manual Integrations
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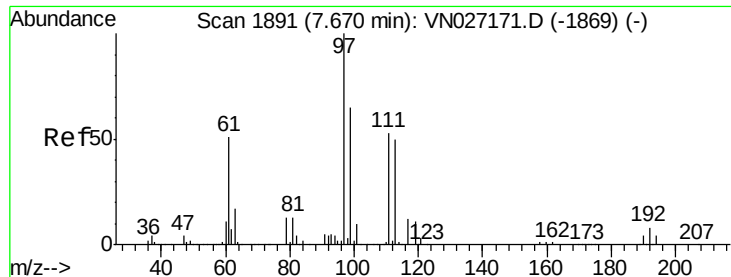
MMDadoda
9/16/2015 11:45:55 AM



#32
Cyclohexane
Concen: 7.30 ug/l
RT: 7.76 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	56	Resp	102095
Ion Ratio	100	Lower	Upper
69	50.3	23.0	34.4#
84	82.7	57.8	86.8





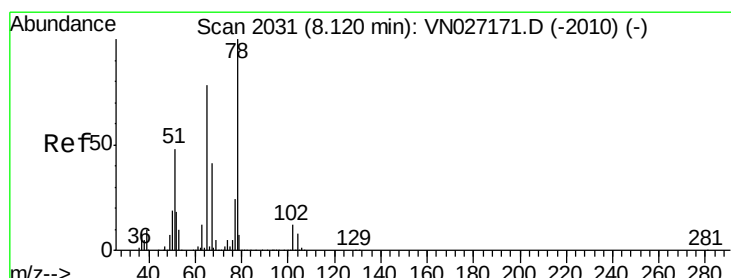
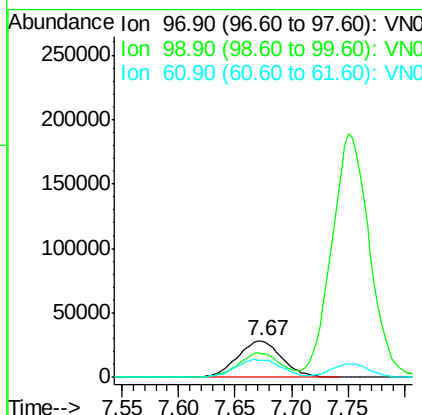
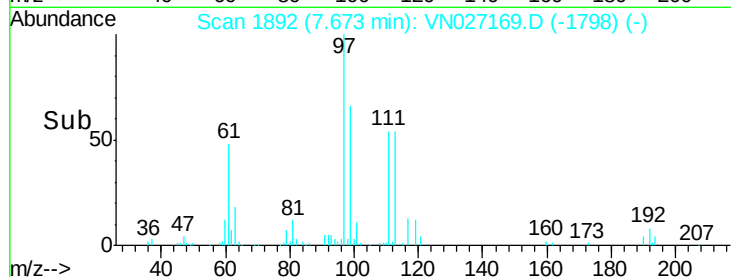
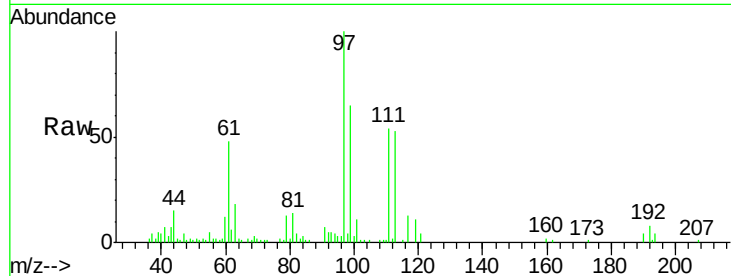
#33
 1,1,1-Trichloroethane
 Concen: 7.50 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.1	75.1
61	51.4	44.0	66.0

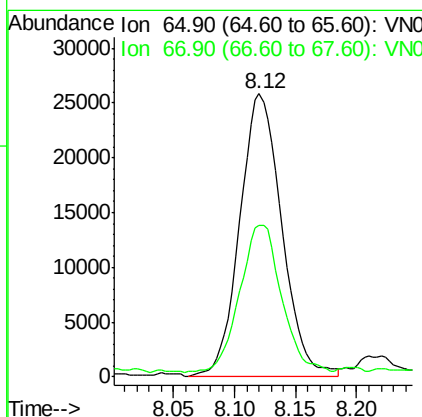
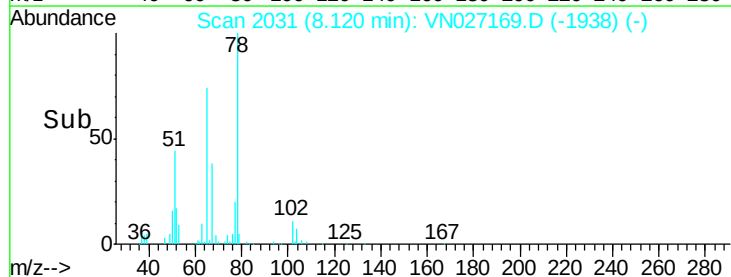
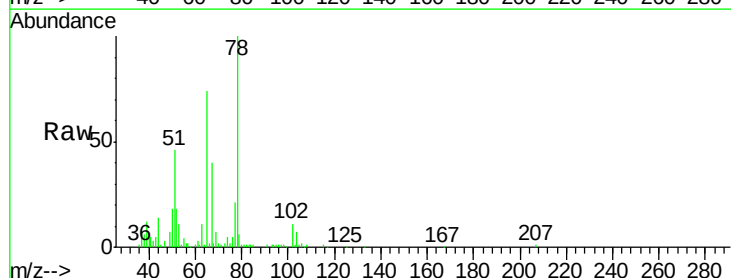
Manual Integrations
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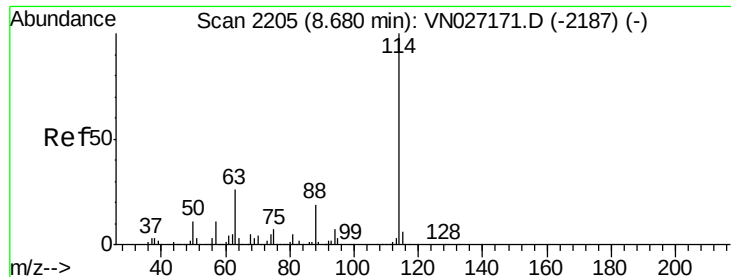
MMDadoda
 9/16/2015 11:45:55 AM



#34
 1,2-Dichloroethane-d4
 Concen: 7.79 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	110.6





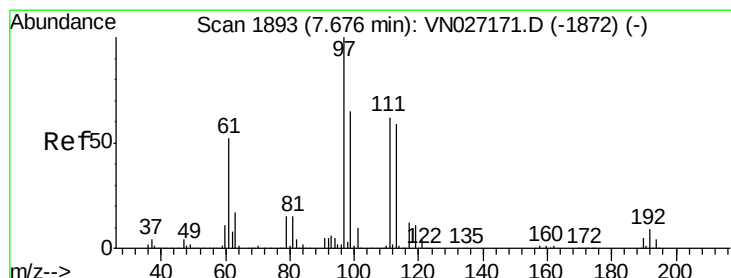
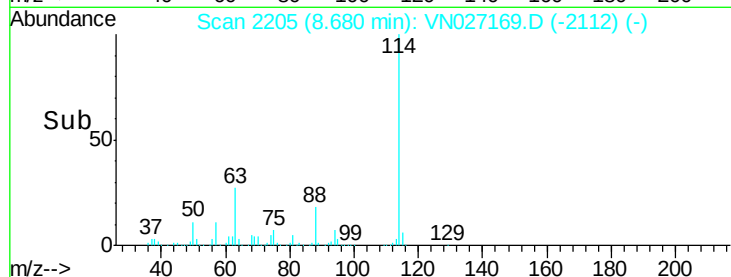
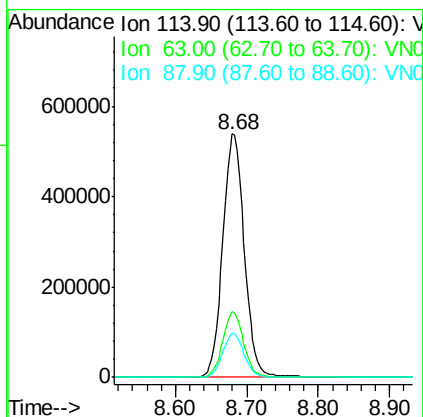
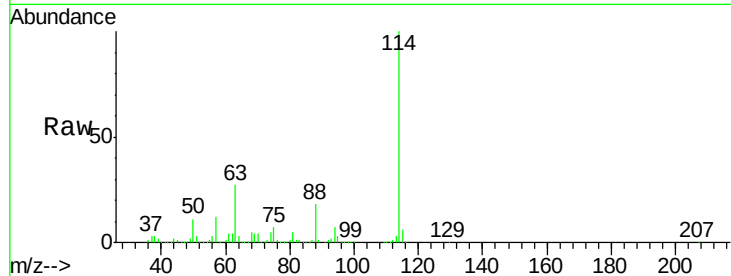
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	0.0	48.8
88	18.3	0.0	32.2

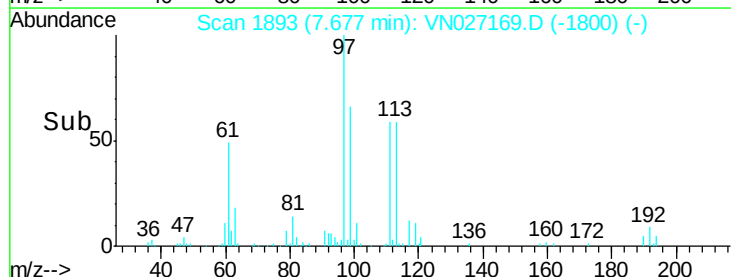
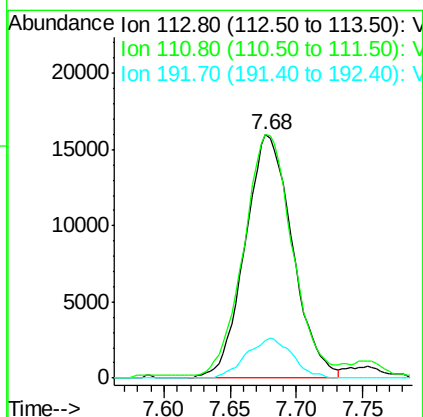
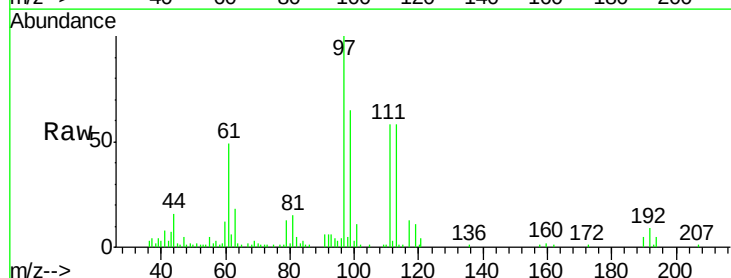
Manual Integrations
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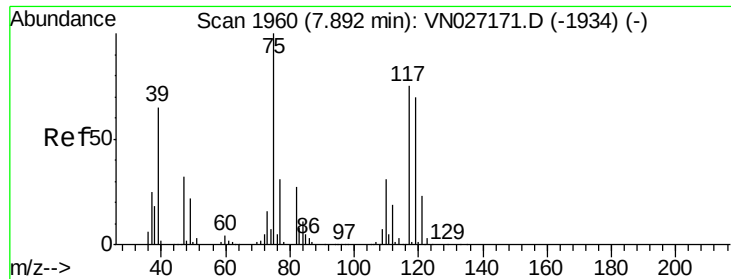
MMDadoda
 9/16/2015 11:45:55 AM



#36
 Dibromofluoromethane
 Concen: 5.72 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.0	124.4
192	15.9	14.1	21.1





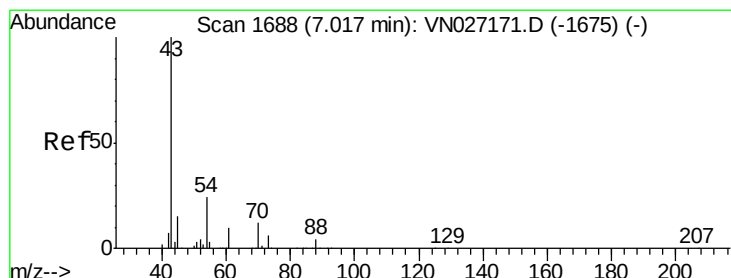
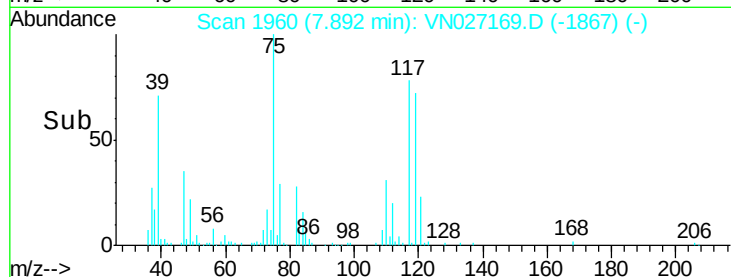
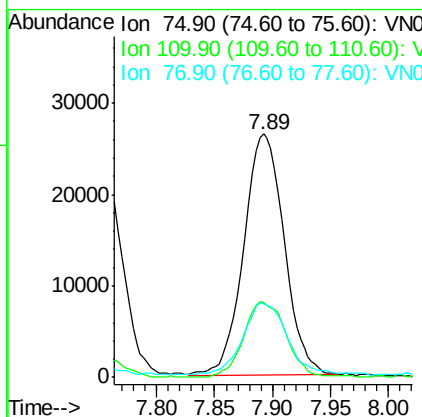
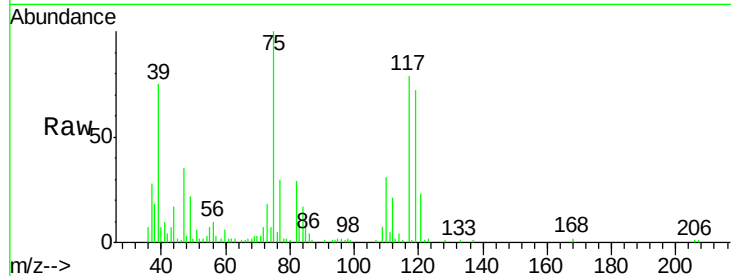
#37
 1,1-Dichloropropene
 Concen: 6.04 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.7	15.9	47.7
77	32.5	24.9	37.3

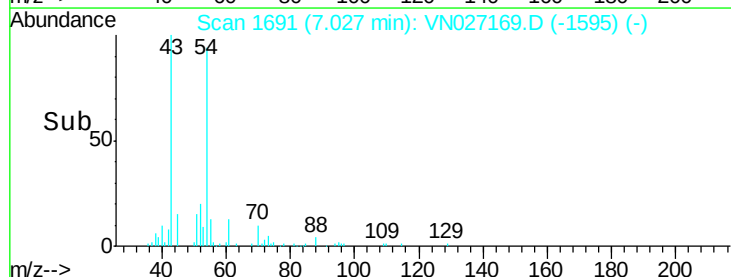
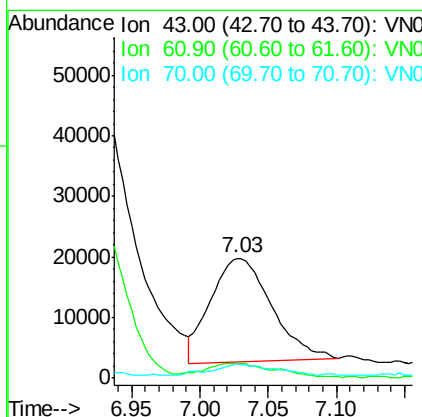
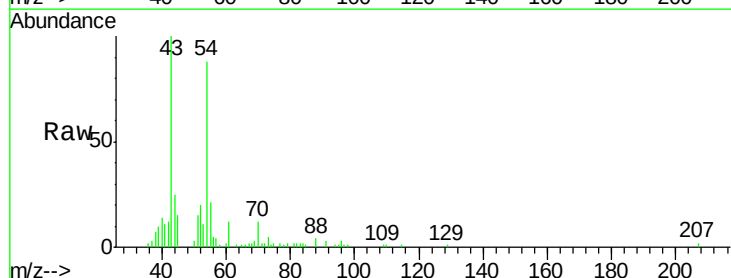
Manual Integrations
 APPROVED

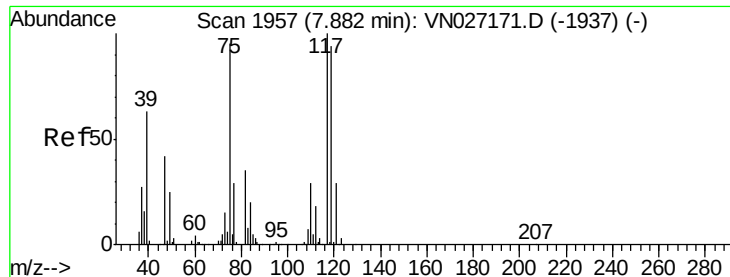
MMDadoda
 9/16/2015 11:45:55 AM



#38
 Ethyl Acetate
 Concen: 6.99 ug/l
 RT: 7.03 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.7	10.2	15.4#
70	10.1	7.4	11.0





#39

Carbon Tetrachloride

Concen: 6.38 ug/l

RT: 7.89 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 64072

Ion Ratio Lower Upper

117 100

119 88.8 75.3 112.9

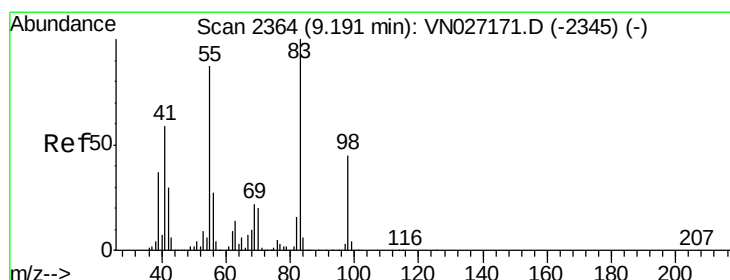
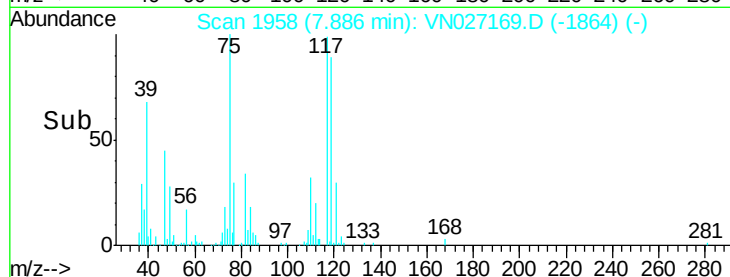
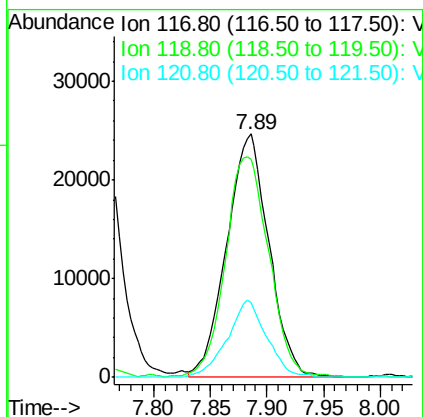
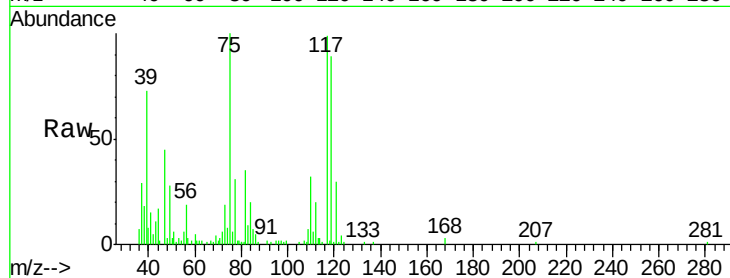
121 30.4 23.8 35.8

Manual Integrations

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MMDadoda

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#40

Methylcyclohexane

Concen: 6.02 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

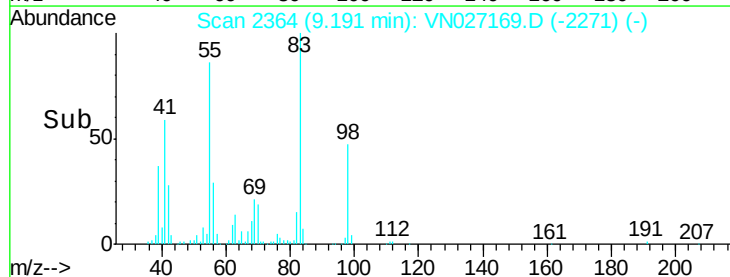
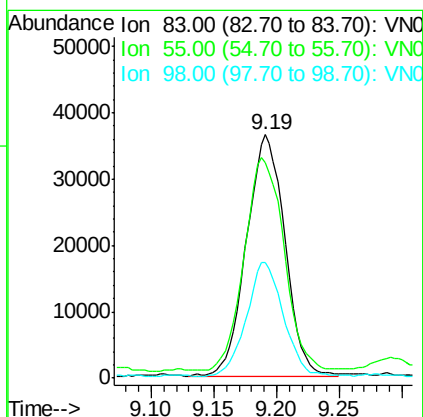
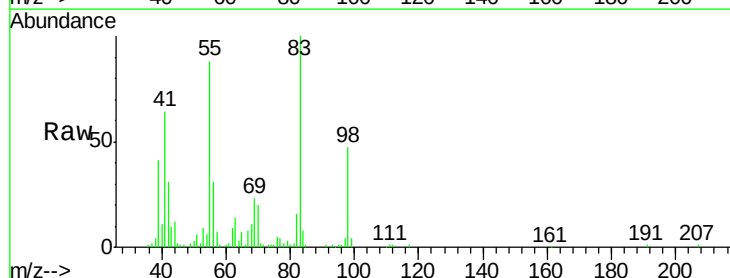
Tgt Ion: 83 Resp: 77422

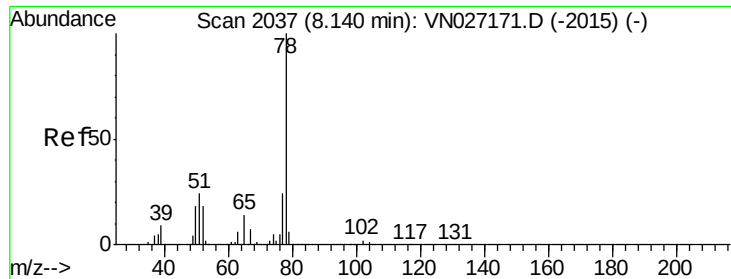
Ion Ratio Lower Upper

83 100

55 85.8 69.8 104.8

98 46.7 34.3 51.5





#41

Benzene

Concen: 5.97 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 195871

Ion Ratio Lower Upper

78 100

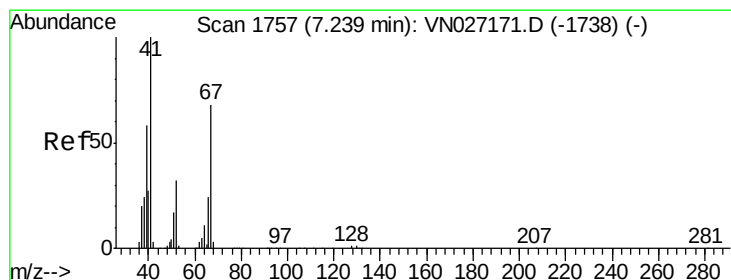
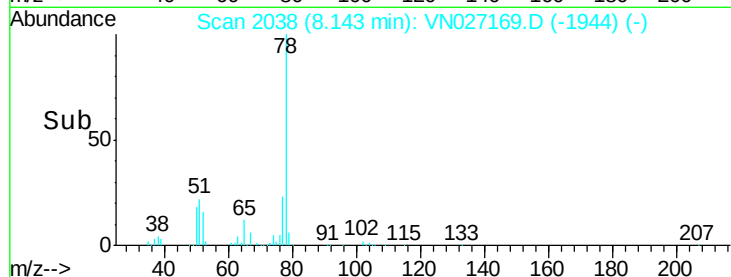
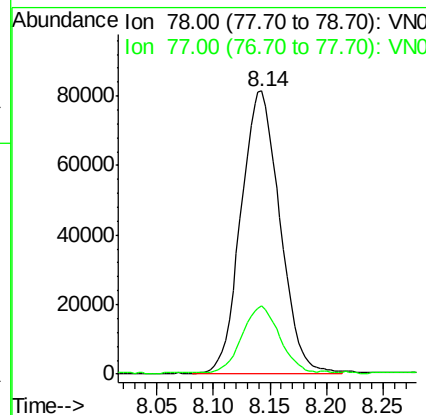
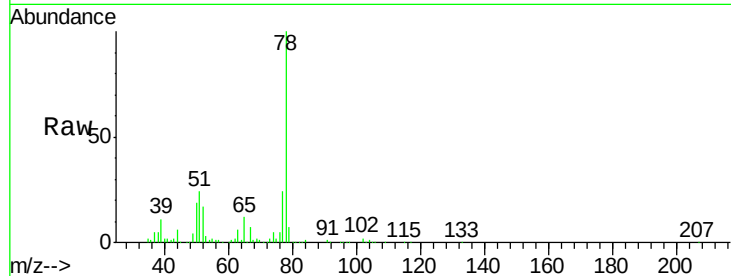
77 23.3 19.0 28.4

Manual Integrations

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MMDadoda

9/16/2015 11:45:55 AM



#42

Methacrylonitrile

Concen: 6.53 ug/l

RT: 7.25 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion: 41 Resp: 31883

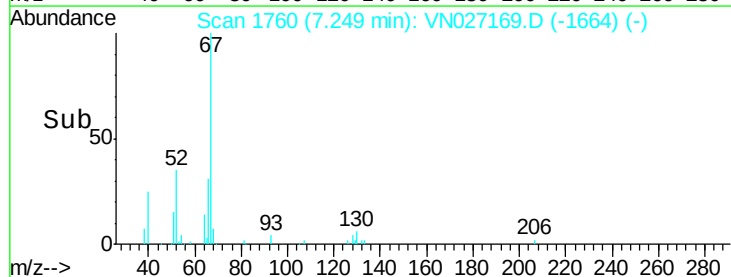
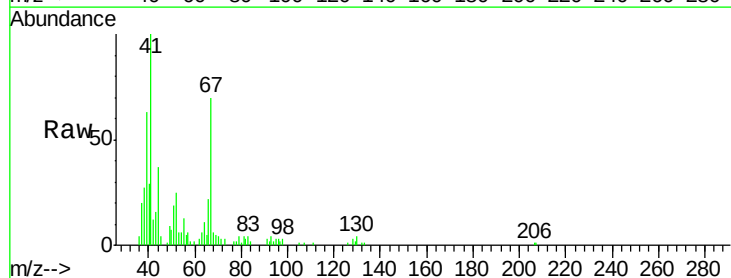
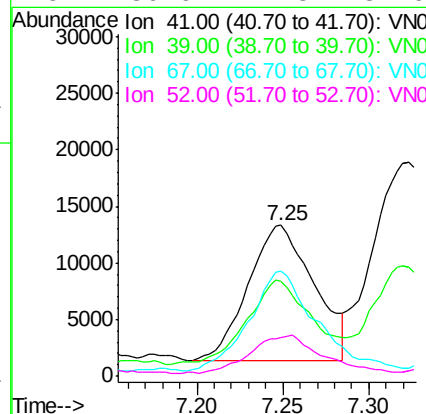
Ion Ratio Lower Upper

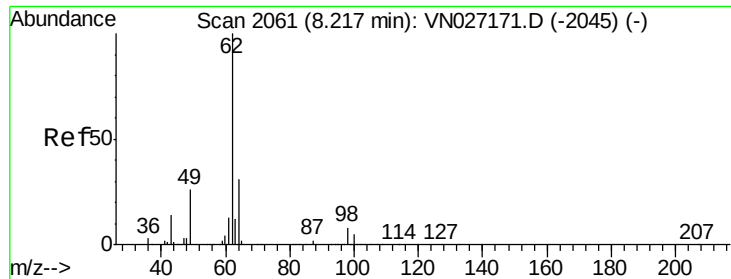
41 100

39 62.3 43.0 64.6

67 75.7 52.2 78.2

52 30.9 21.3 31.9





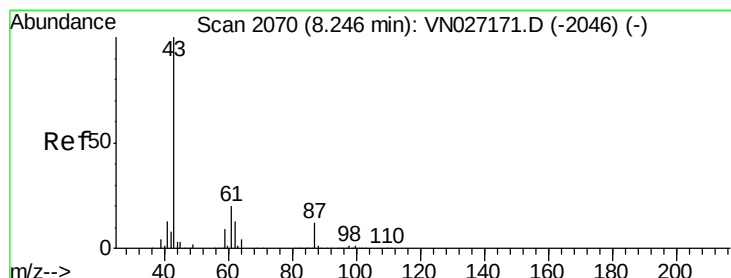
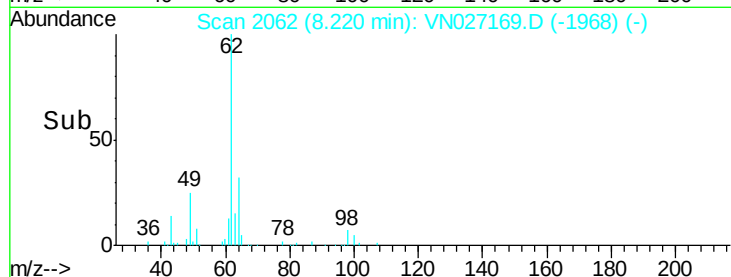
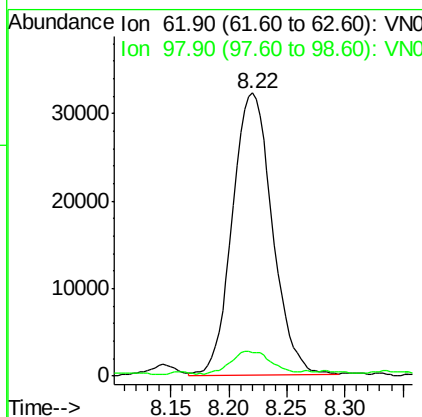
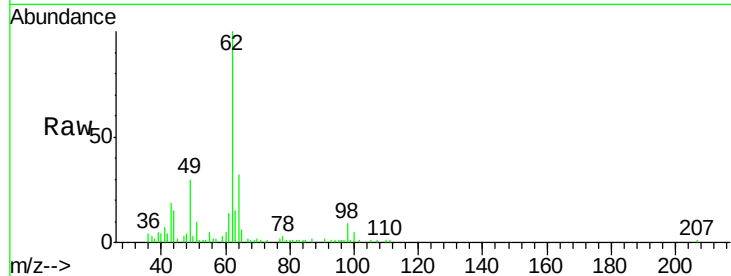
#43
 1,2-Dichloroethane
 Concen: 6.82 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
62	100	76889		
98	8.2		0.0	18.0

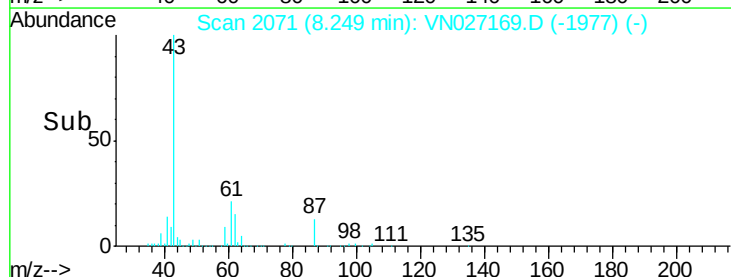
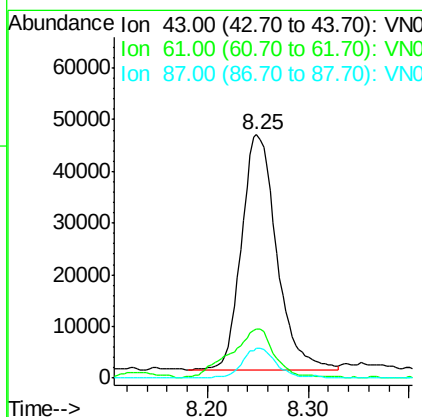
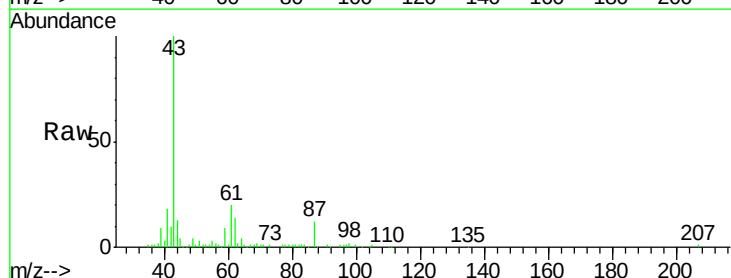
Manual Integrations
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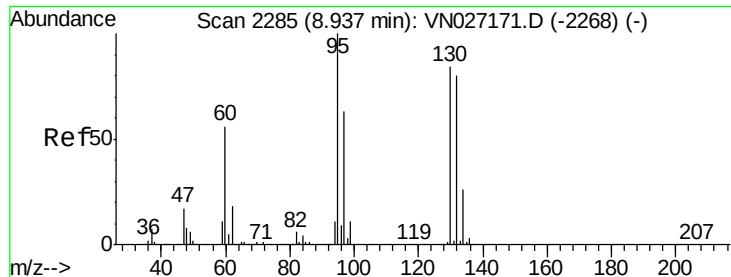
MMDadoda
 9/16/2015 11:45:55 AM



#44
 Isopropyl Acetate
 Concen: 8.08 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	110402		
61	26.0		20.6	31.0
87	12.0		8.6	13.0





#45

Trichloroethene

Concen: 4.89 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:130 Resp: 39059

Ion Ratio Lower Upper

130 100

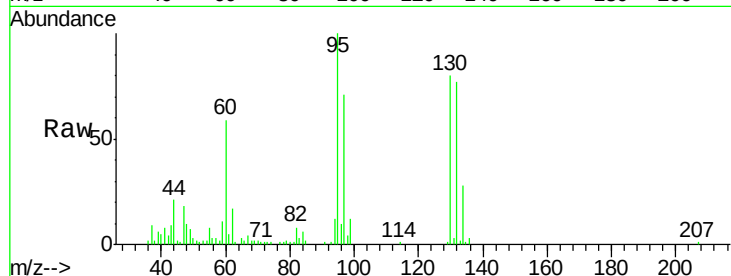
95 123.2 0.0 222.2

Manual Integrations

APPROVED

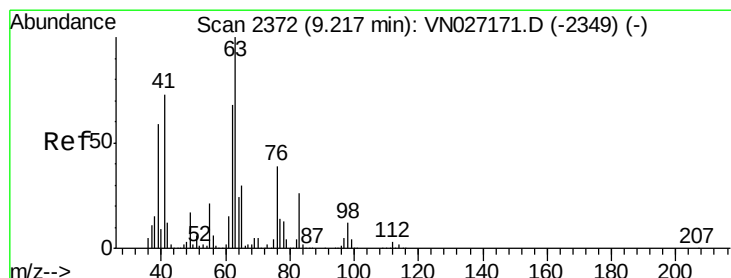
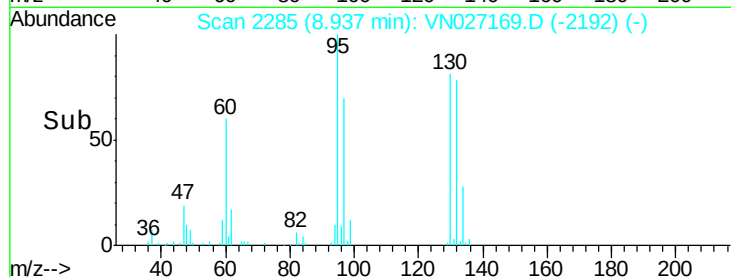
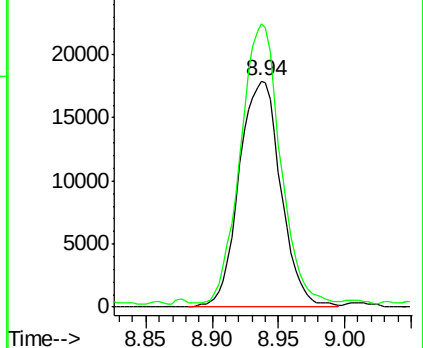
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

1,2-Dichloropropane

Concen: 6.55 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027169.D

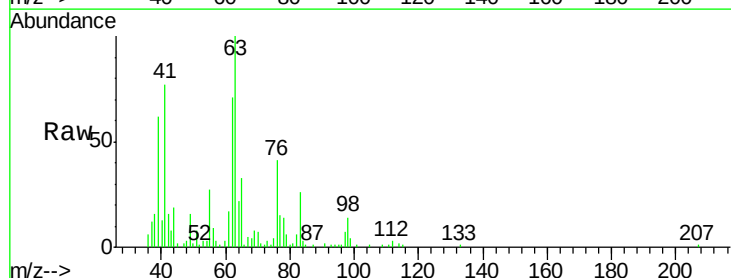
Acq: 15 Sep 2015 15:56

Tgt Ion: 63 Resp: 55893

Ion Ratio Lower Upper

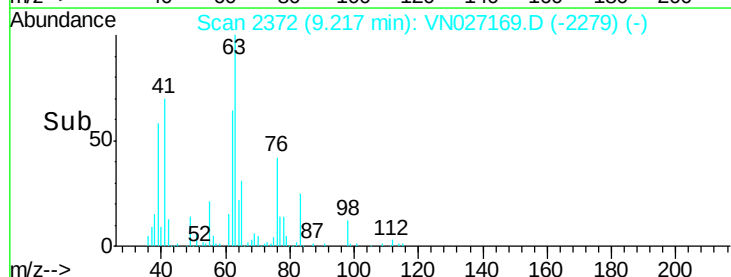
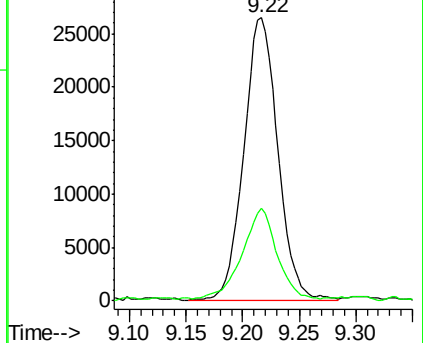
63 100

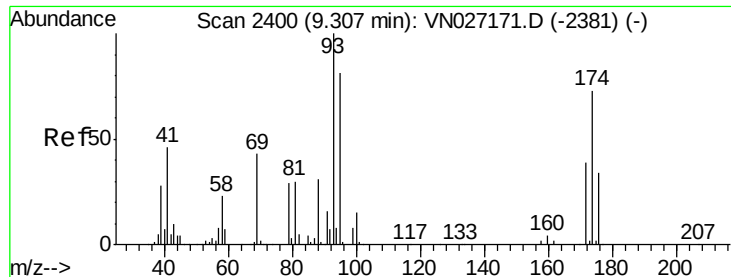
65 31.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Dibromomethane

Concen: 6.32 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

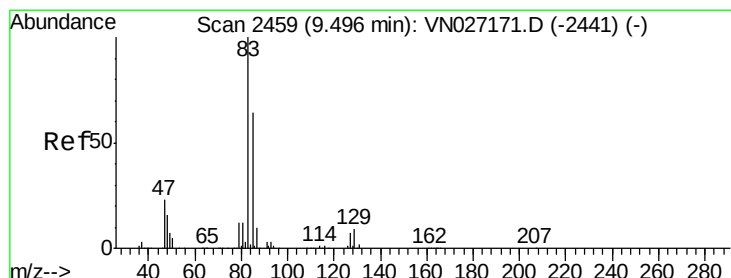
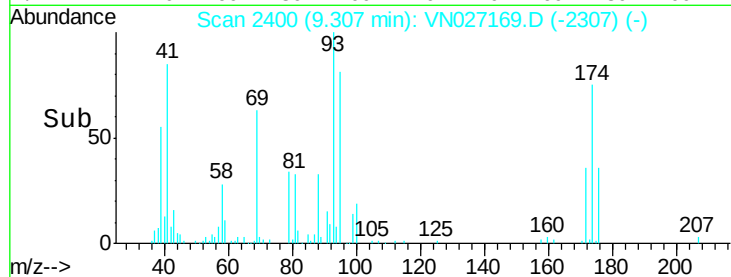
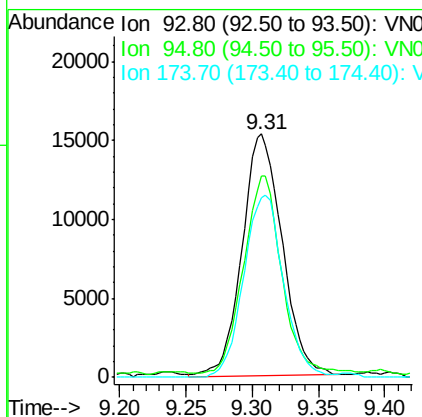
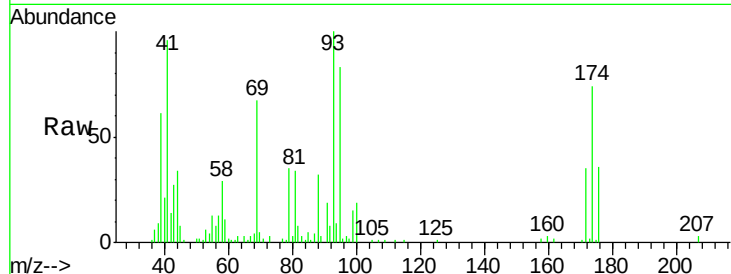
ClientSampleId :

VSTDIC005

Tot Ion	93	Resp	32126
Ion Ratio	100	Lower	Upper
93	100		
95	77.4	66.3	99.5
174	75.1	67.8	101.6

Manual Integrations
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#48

Bromodichloromethane

Concen: 6.45 ug/l

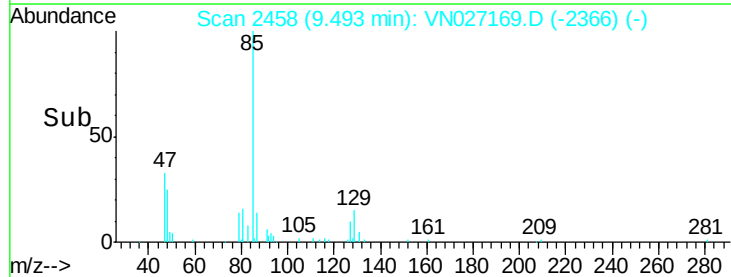
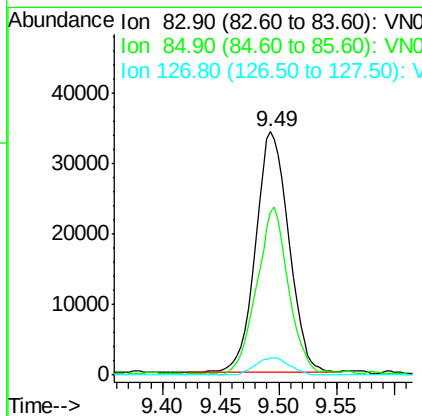
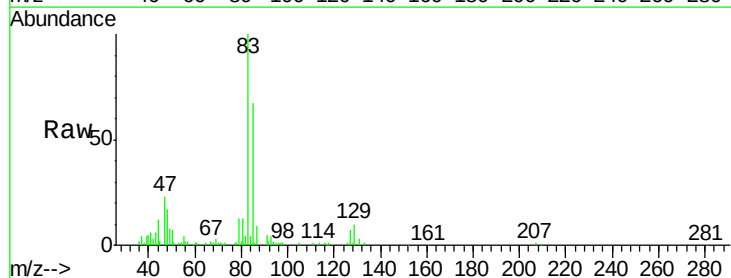
RT: 9.49 min Scan# 2458

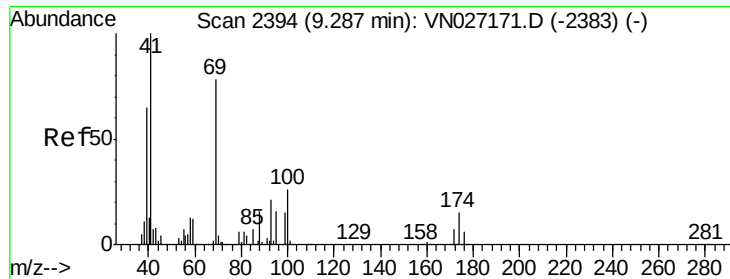
Delta R.T. -0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion	83	Resp	68173
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	50.7	76.1
127	6.8	5.5	8.3





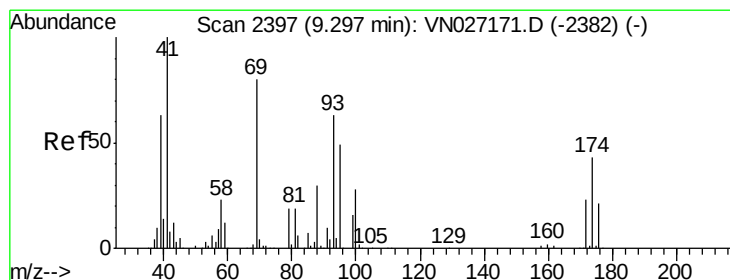
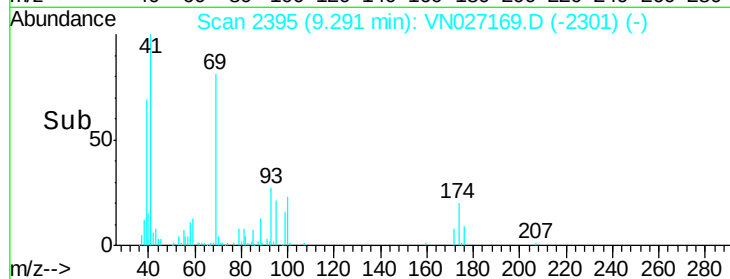
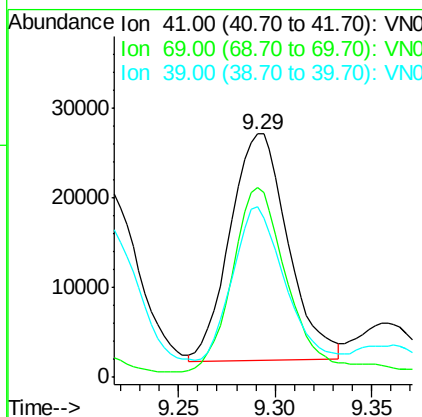
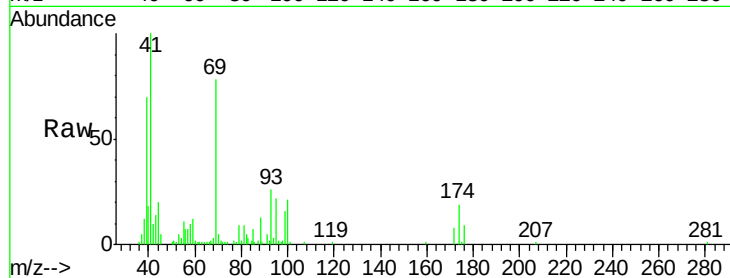
#49
Methvl methacrylate
Concen: 7.55 ug/l
RT: 9.29 min Scan# 2395
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
69	79.0	59.3	88.9
39	60.1	39.5	59.3#

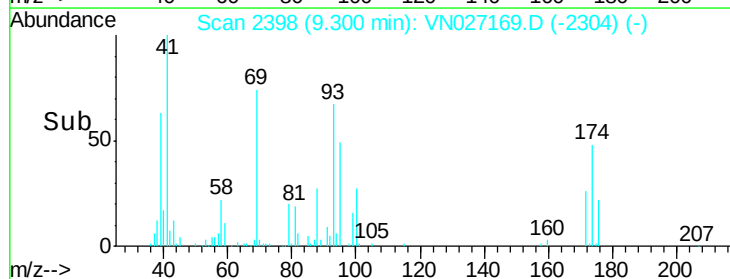
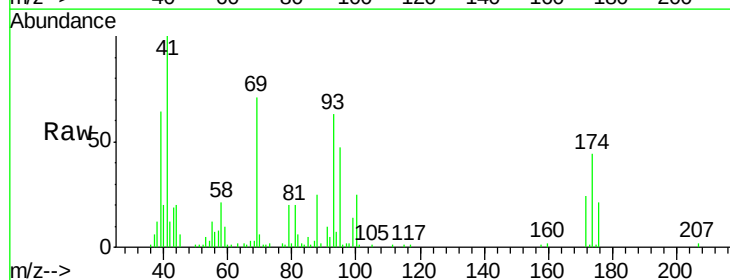
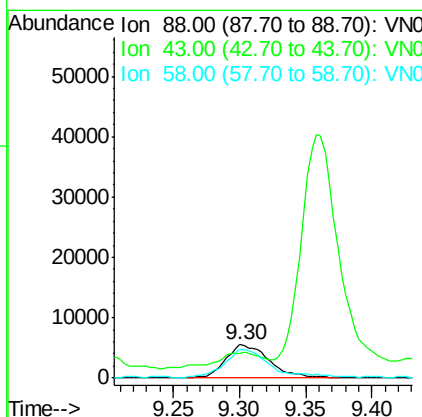
Manual Integrations
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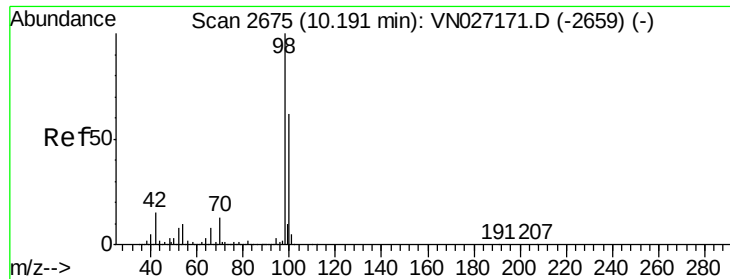
MMDadoda
9/16/2015 11:45:55 AM



#50
1,4-Dioxane
Concen: 127.00 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
88	100		
43	49.7	27.6	41.4#
58	93.7	63.1	94.7





#51

Toluene-d8

Concen: 5.53 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 153204

Ion Ratio Lower Upper

98 100

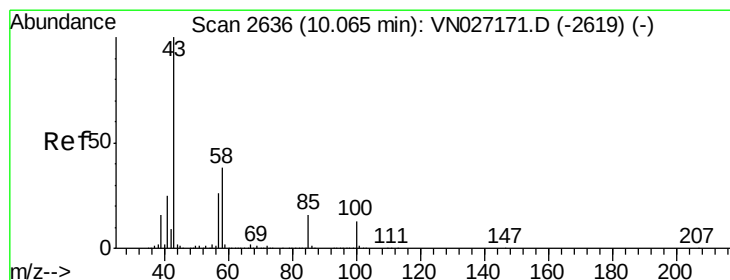
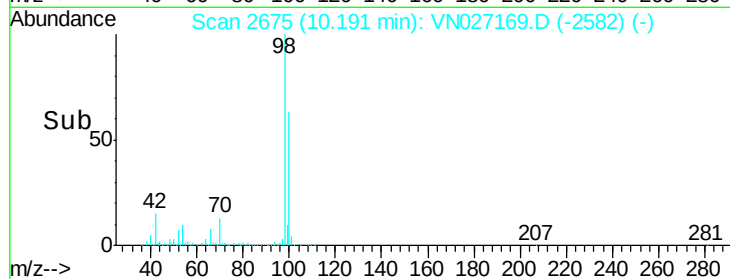
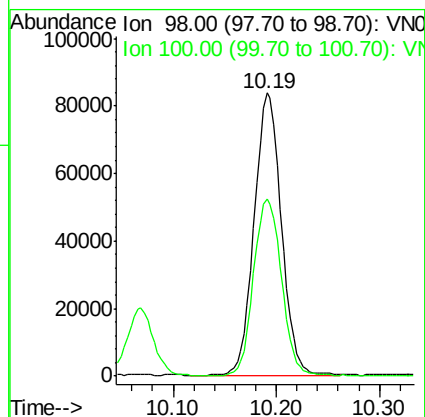
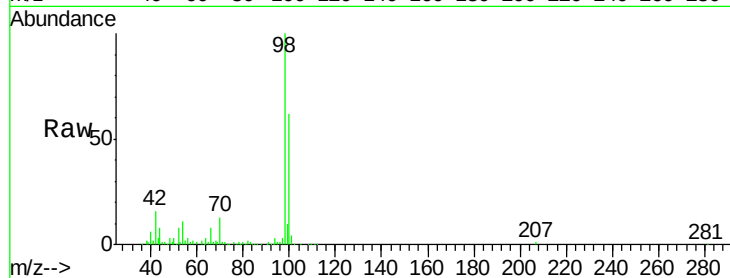
100 64.8 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 36.99 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027169.D

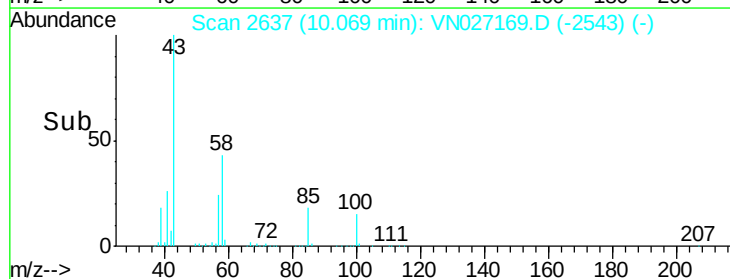
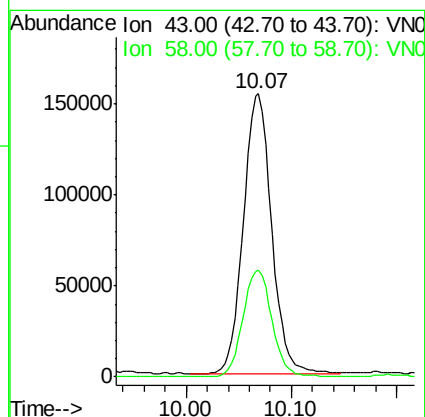
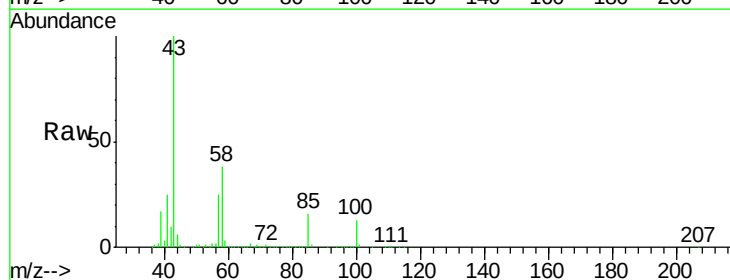
Acq: 15 Sep 2015 15:56

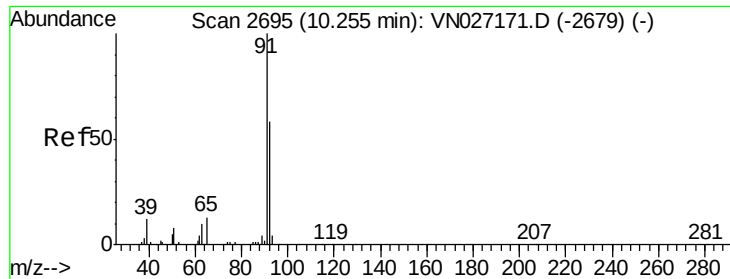
Tgt Ion: 43 Resp: 286576

Ion Ratio Lower Upper

43 100

58 39.5 29.8 44.8





#53

Toluene

Concen: 5.64 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 112341

Ion Ratio Lower Upper

92 100

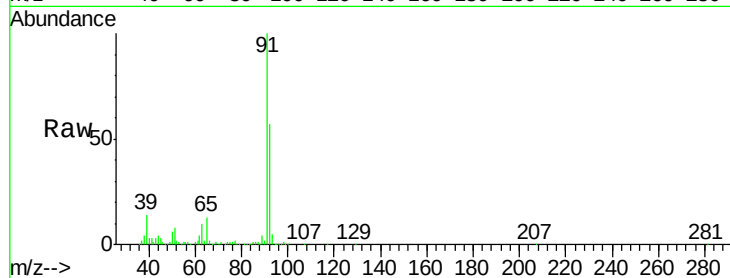
91 176.7 141.4 212.2

Manual Integrations

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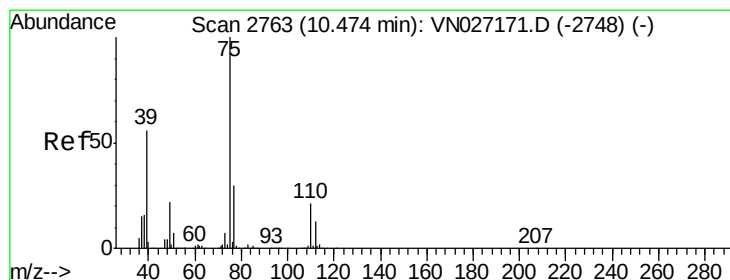
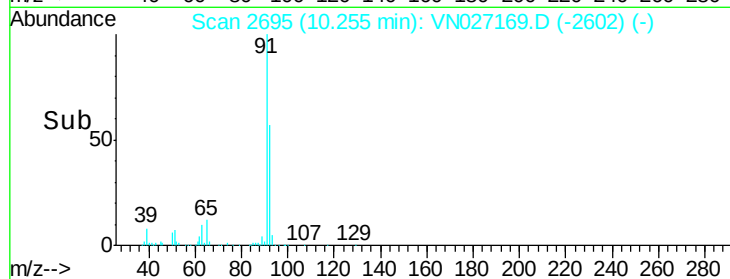
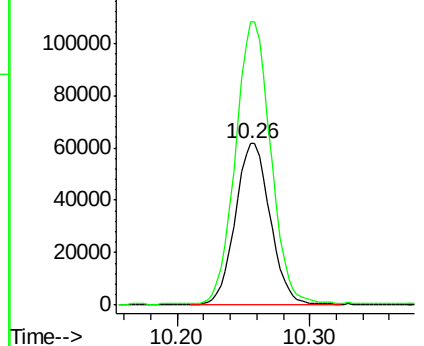
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 6.94 ug/l

RT: 10.48 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VN027169.D

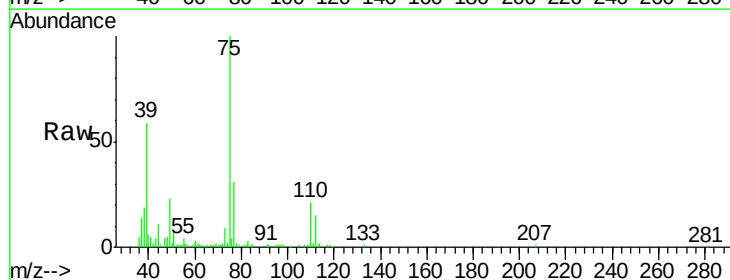
Acq: 15 Sep 2015 15:56

Tgt Ion: 75 Resp: 73280

Ion Ratio Lower Upper

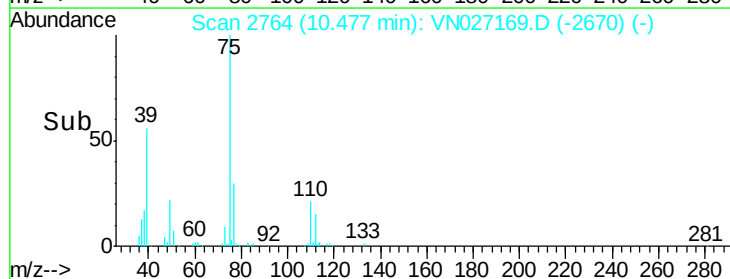
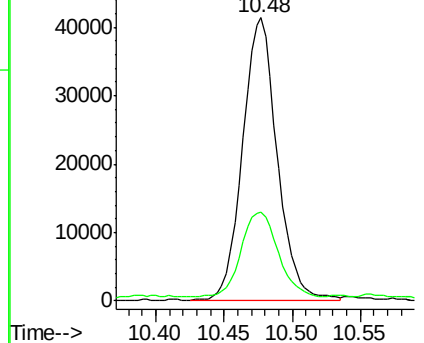
75 100

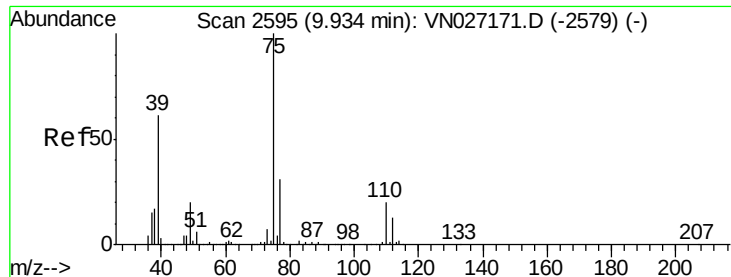
77 29.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 6.77 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

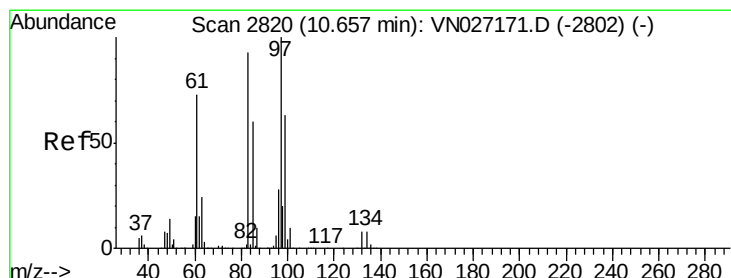
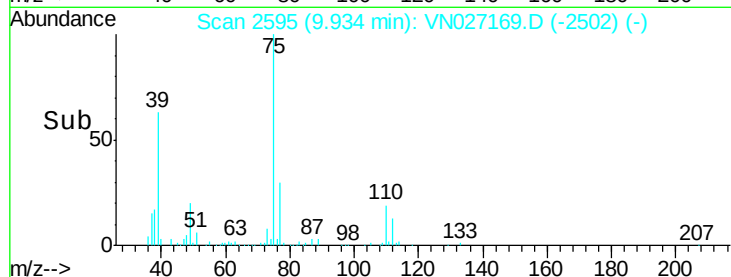
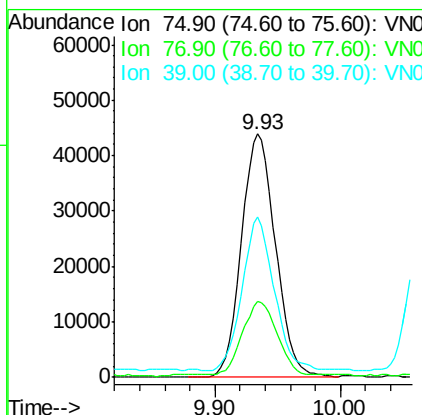
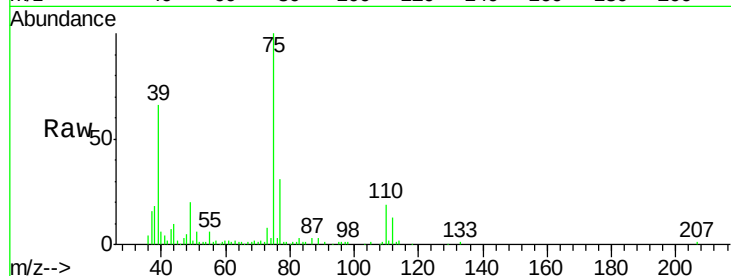
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	83047
Ion Ratio	Lower	Upper	
75	100		
77	30.0	25.6	38.4
39	62.9	41.6	62.4#

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#56

1,1,2-Trichloroethane

Concen: 5.89 ug/l

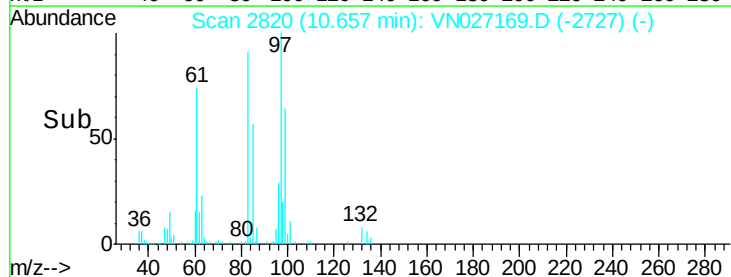
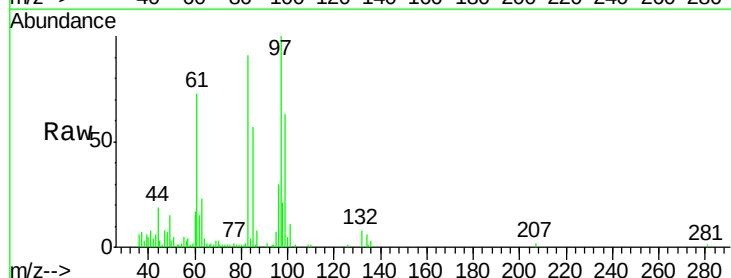
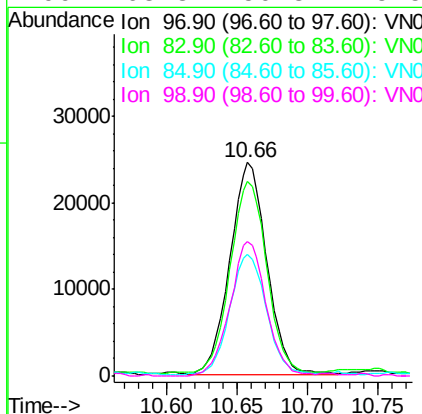
RT: 10.66 min Scan# 2820

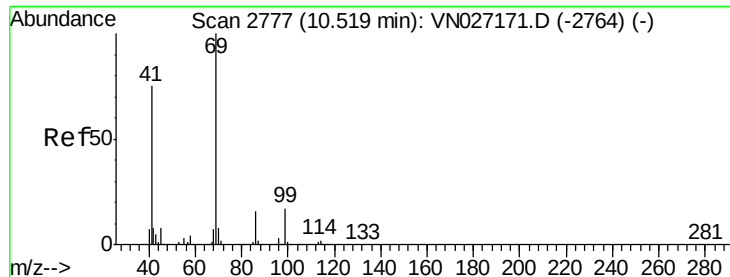
Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion:	97	Resp:	44758
Ion Ratio	Lower	Upper	
97	100		
83	90.4	75.0	112.4
85	56.3	48.0	72.0
99	63.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 6.99 ug/l

RT: 10.52 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

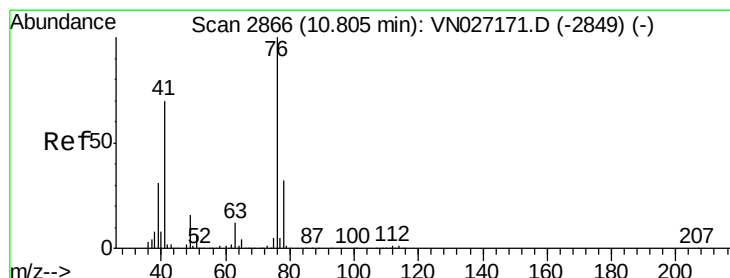
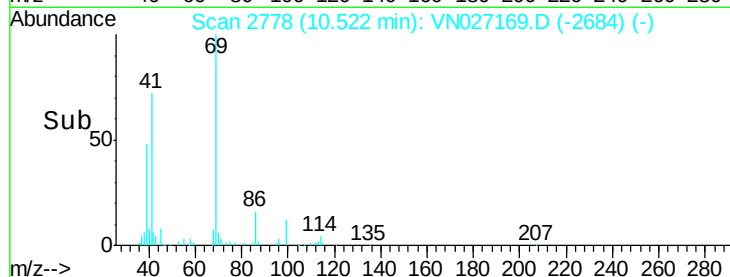
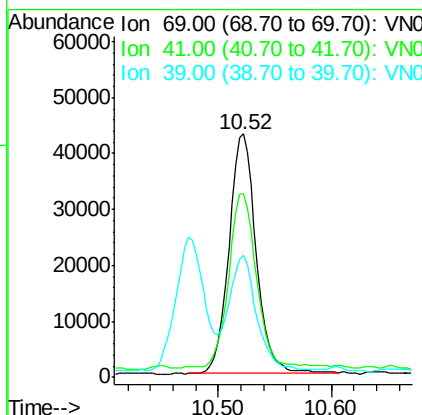
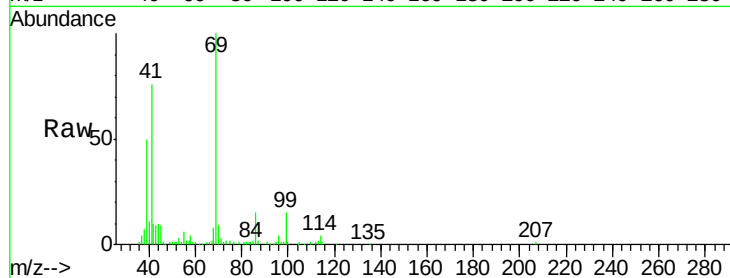
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	71818
Ion	Ratio	Lower	Upper
69	100		
41	73.1	61.3	91.9
39	49.1	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 6.33 ug/l

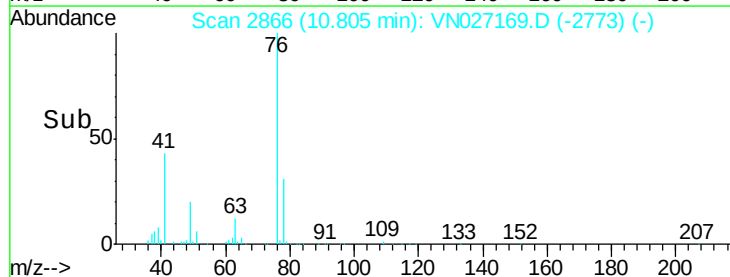
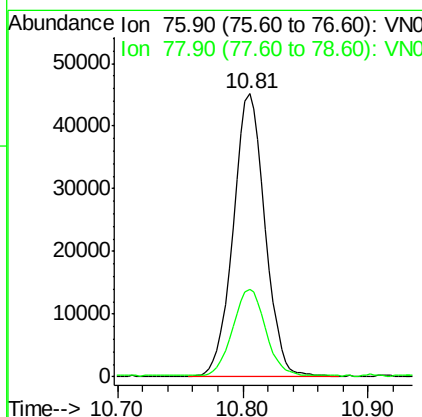
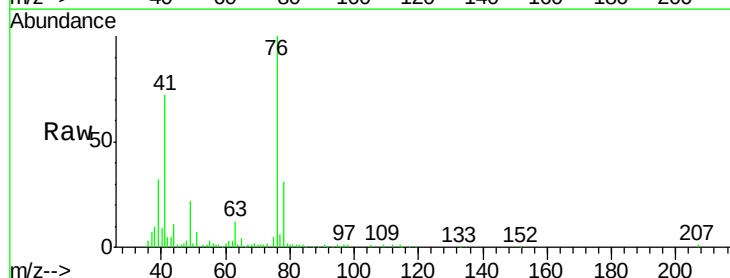
RT: 10.81 min Scan# 2866

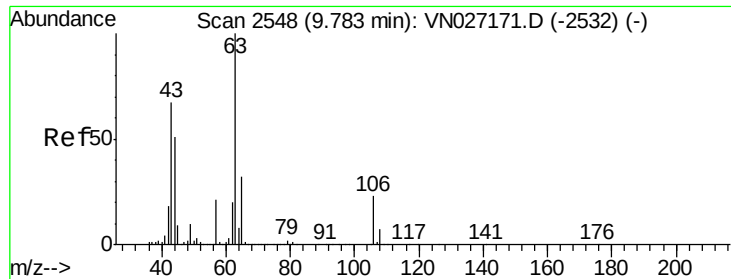
Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion:	76	Resp:	79593
Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.0	37.6





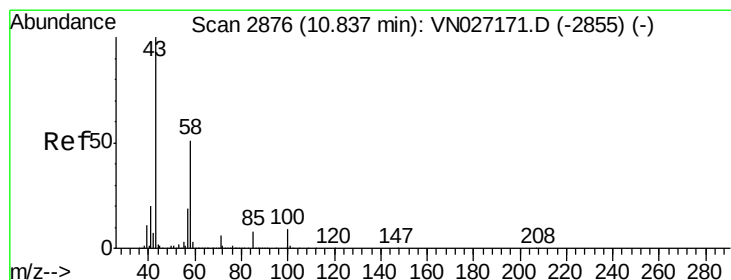
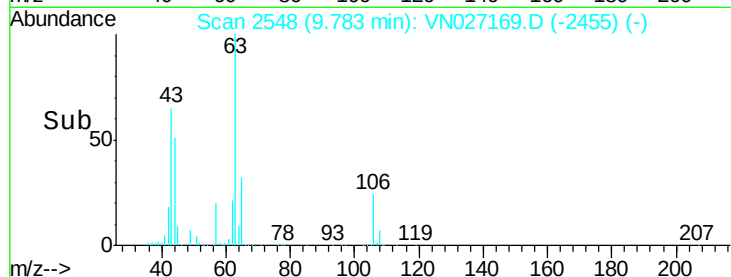
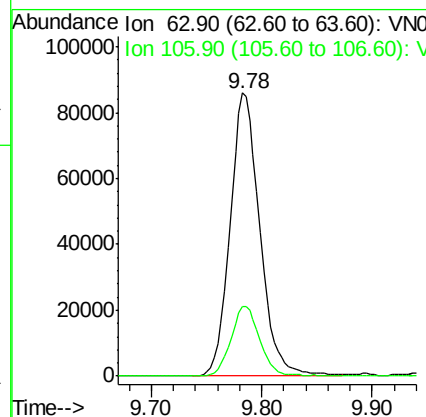
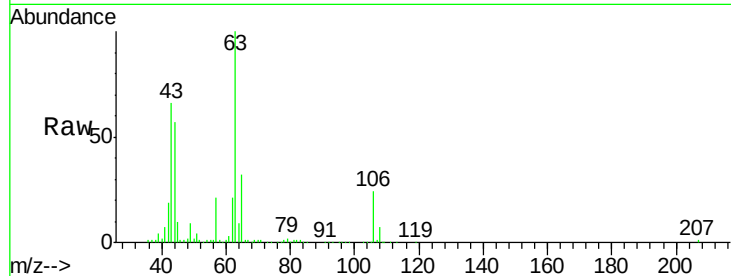
#59
2-Chloroethyl vinyl ether
Concen: 39.84 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 159208
Ion Ratio Lower Upper
63 100
106 24.1 17.7 26.5

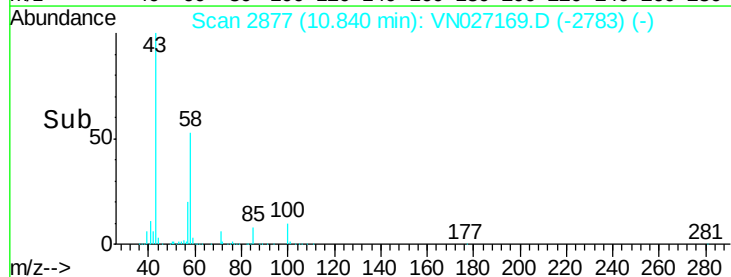
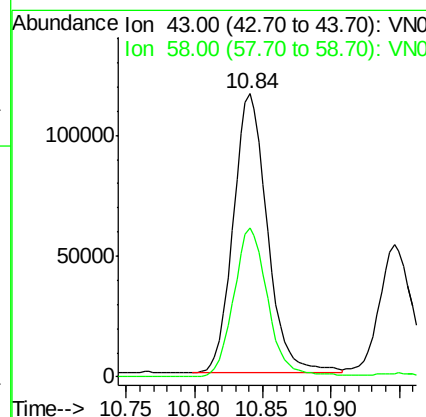
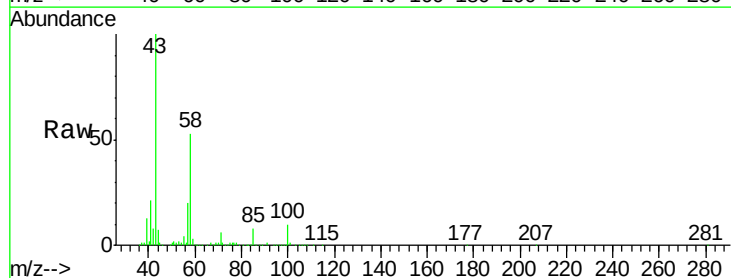
Manual Integrations
APPROVED

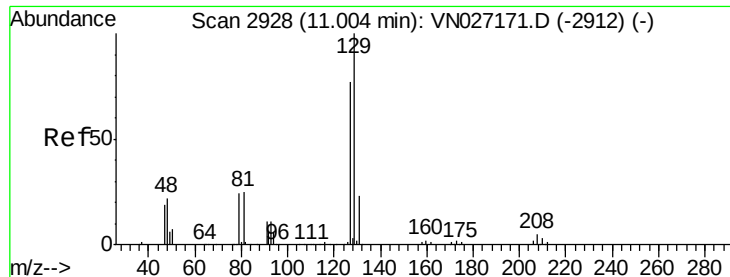
MMDadoda
9/16/2015 11:45:55 AM



#60
2-Hexanone
Concen: 38.89 ug/l
RT: 10.84 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion: 43 Resp: 200641
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5





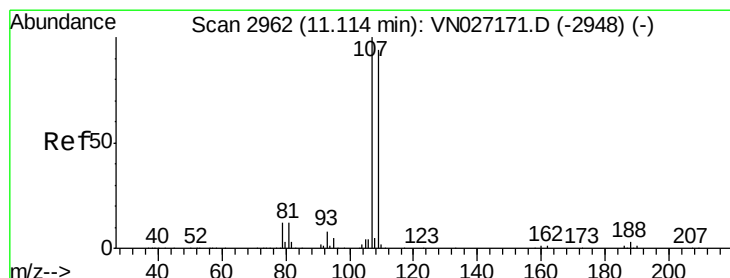
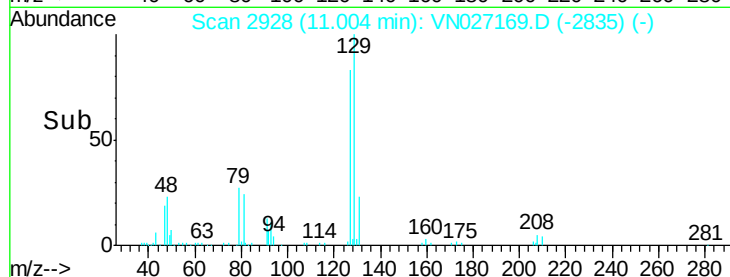
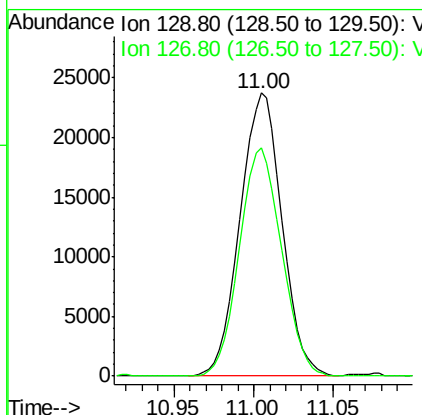
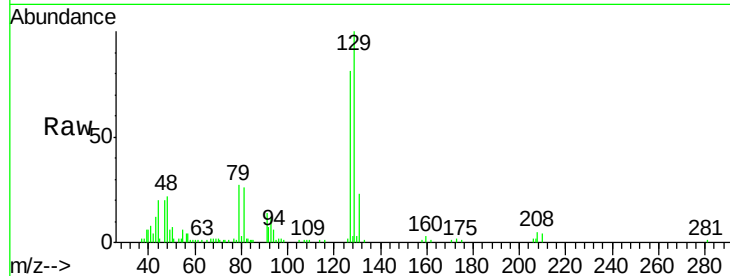
#61
 Dibromochloromethane
 Concen: 5.42 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:129 Resp: 42416
 Ion Ratio Lower Upper
 129 100
 127 81.0 39.1 117.2

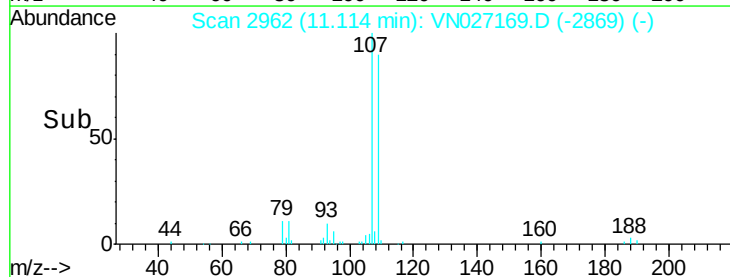
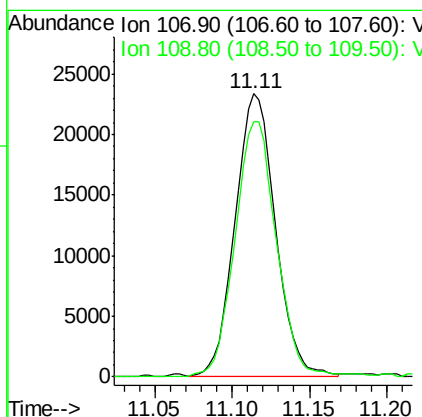
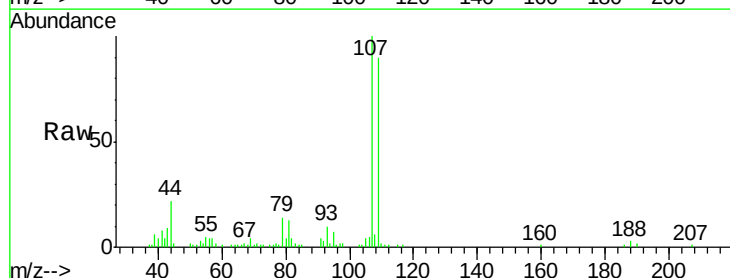
Manual Integrations
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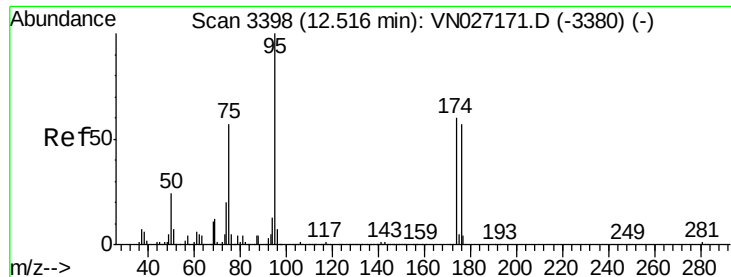
MMDadoda
 9/16/2015 11:45:55 AM



#62
 1,2-Dibromoethane
 Concen: 5.85 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion:107 Resp: 42496
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.6 113.4





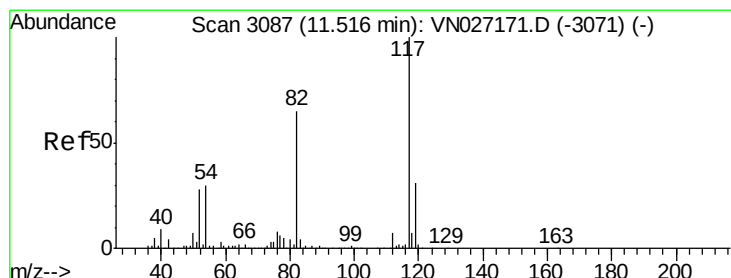
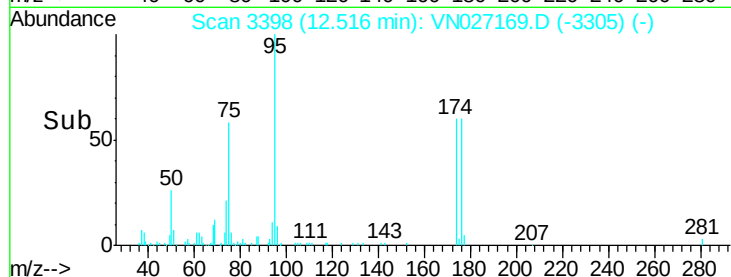
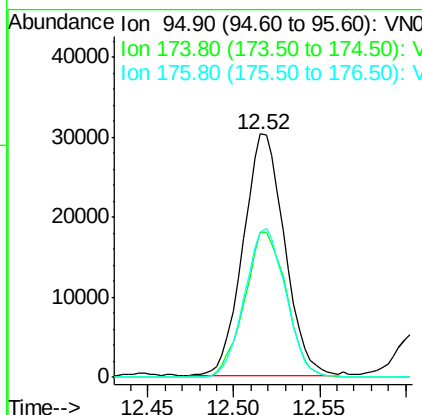
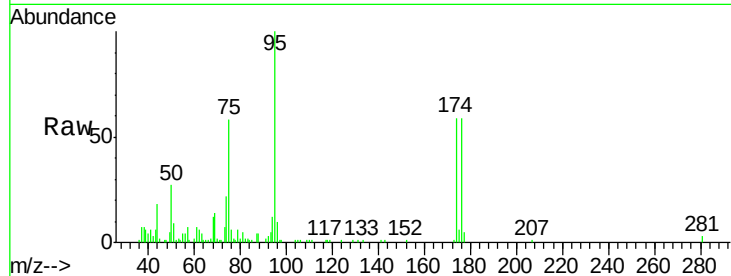
#63
4-Bromofluorobenzene
Concen: 5.56 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
95	100	50518		
174	60.5	0.0	137.0	
176	60.9	0.0	130.8	

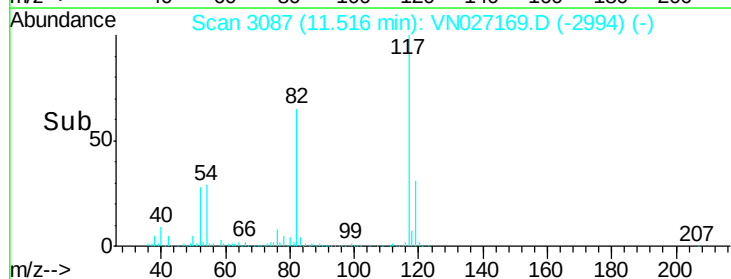
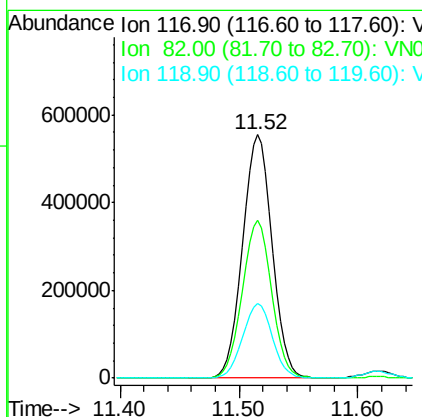
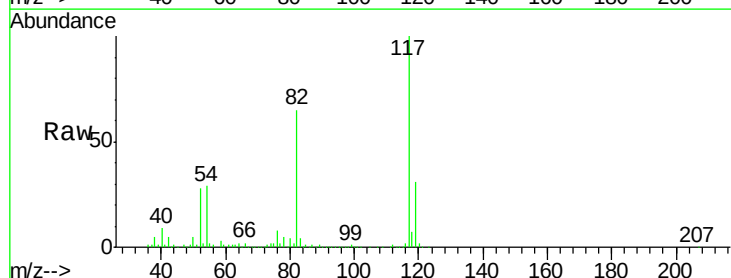
Manual Integrations
APPROVED

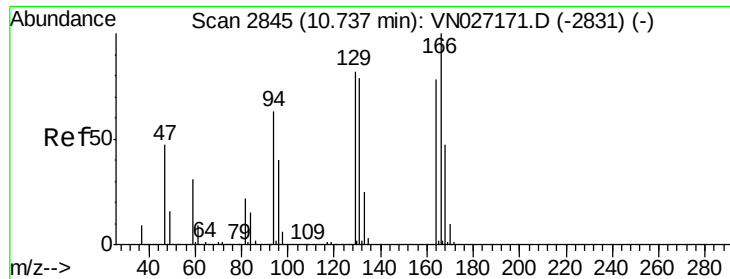
MMDadoda
9/16/2015 11:45:55 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	952697		
82	64.7	49.6	74.4	
119	30.8	24.6	36.8	





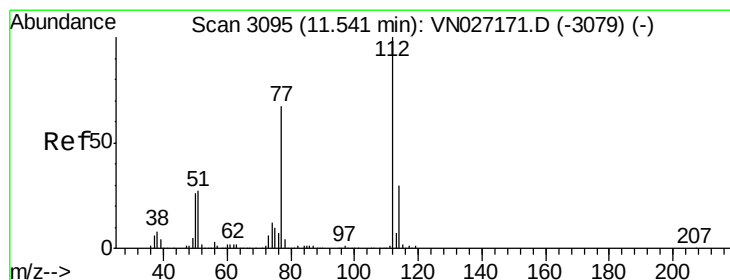
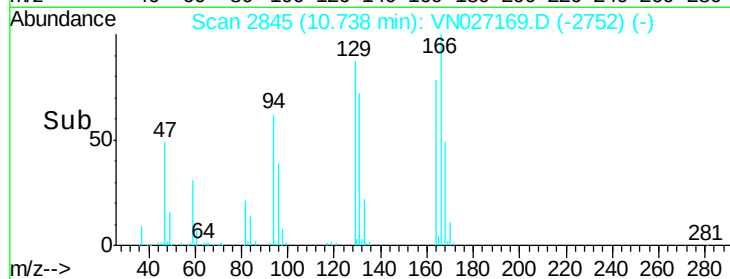
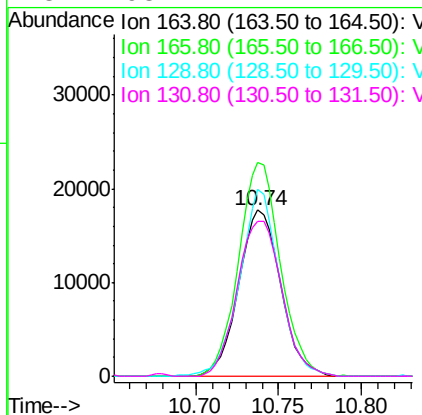
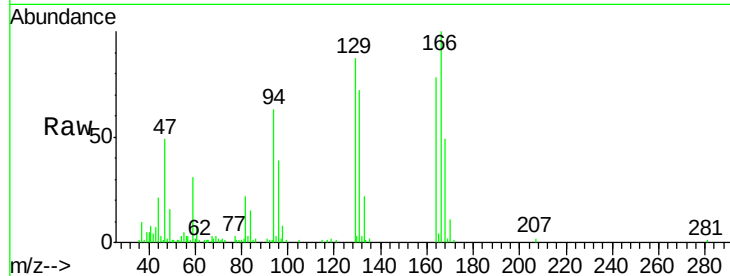
#65
Tetrachloroethene
Concen: 4.60 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.4	155.0
129	112.1	77.5	116.3
131	93.1	74.2	111.4

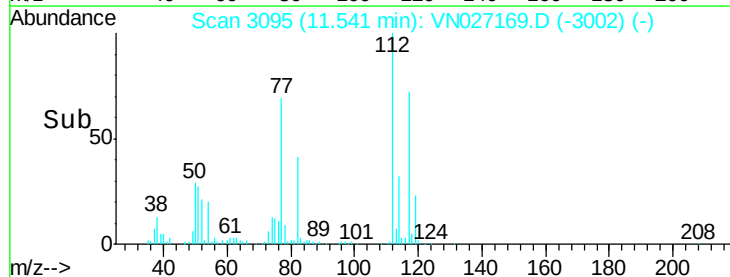
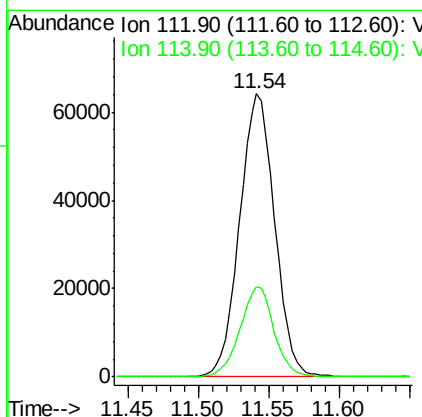
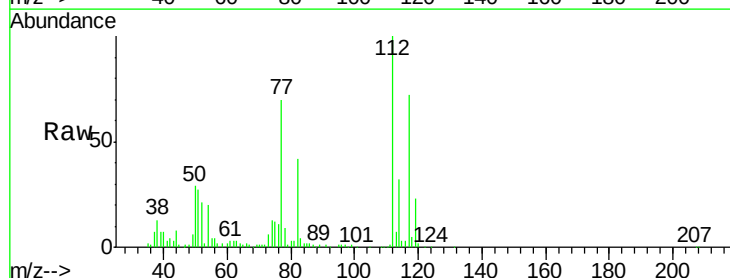
Manual Integrations
APPROVED

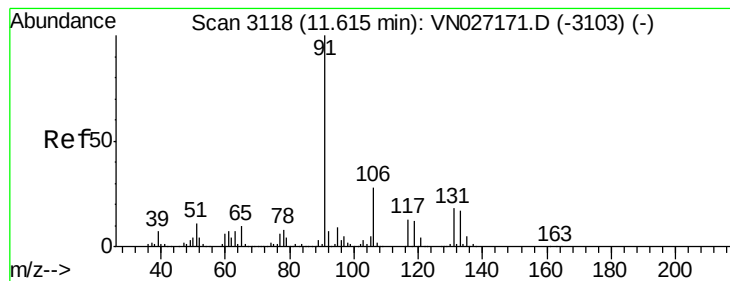
MMDadoda
9/16/2015 11:45:55 AM



#66
Chlorobenzene
Concen: 5.38 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 5.63 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:131 Resp: 40340

Ion Ratio Lower Upper

131 100

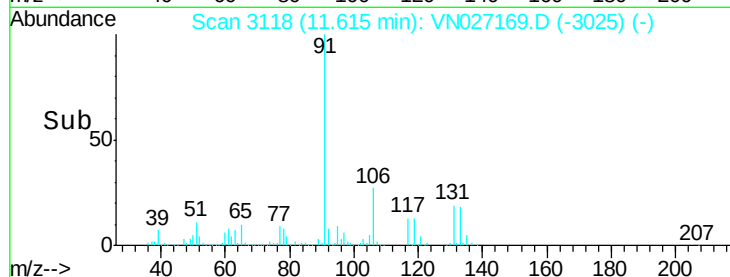
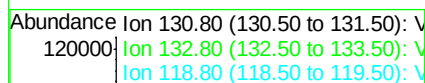
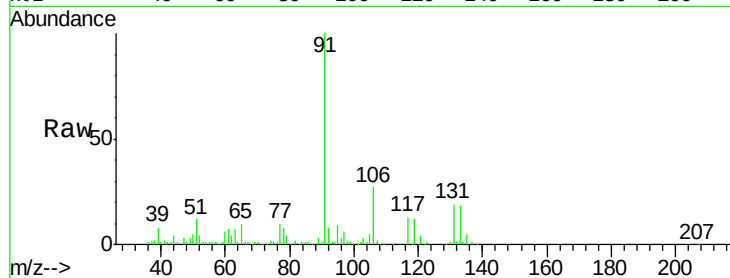
133 97.5 47.0 141.2

119 66.7 35.1 105.5

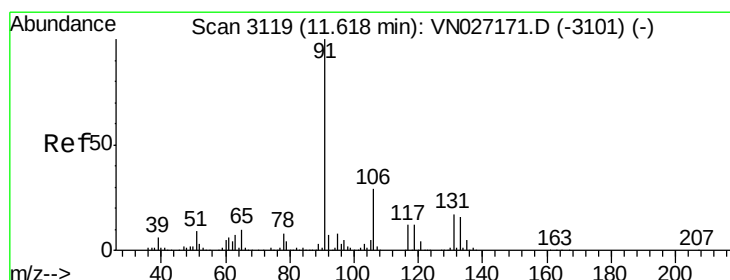
Manual Integrations
APPROVED

MMDadoda

9/16/2015 11:45:55 AM



Time-->



#68

Ethyl Benzene

Concen: 6.21 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027169.D

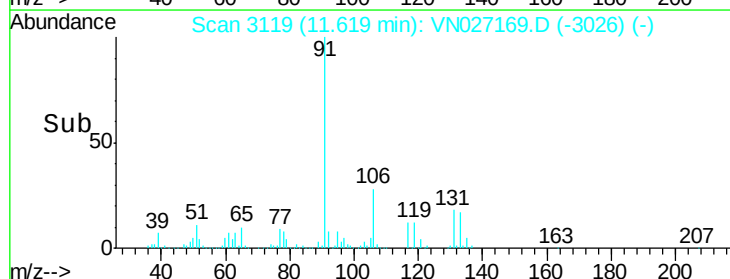
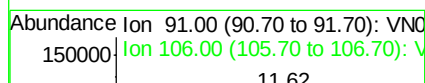
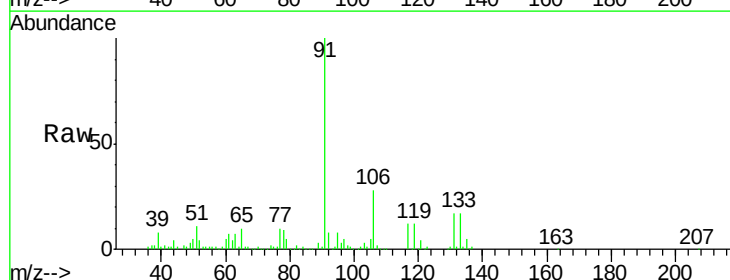
Acq: 15 Sep 2015 15:56

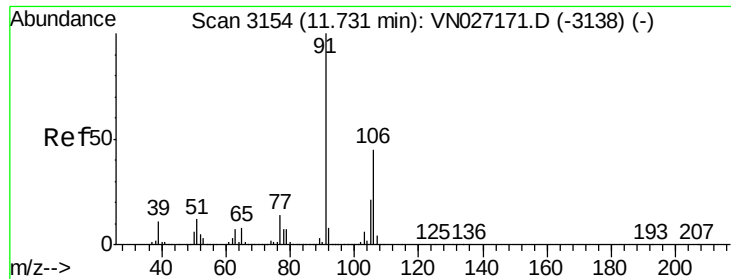
Tgt Ion: 91 Resp: 216905

Ion Ratio Lower Upper

91 100

106 27.8 23.1 34.7





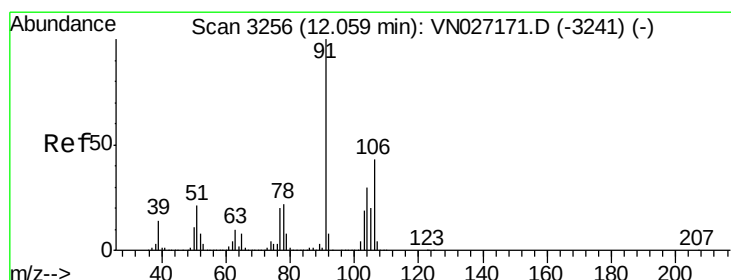
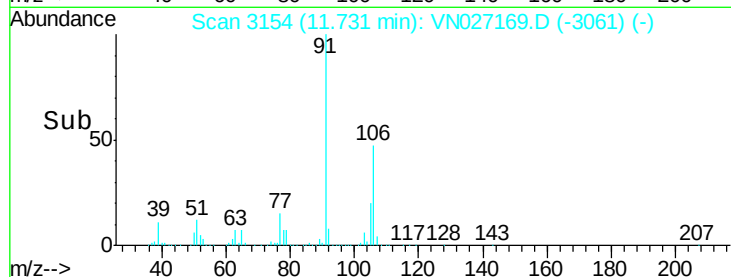
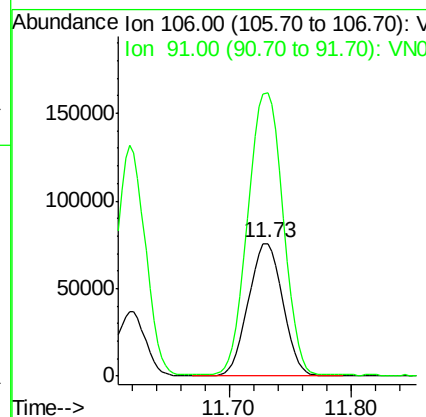
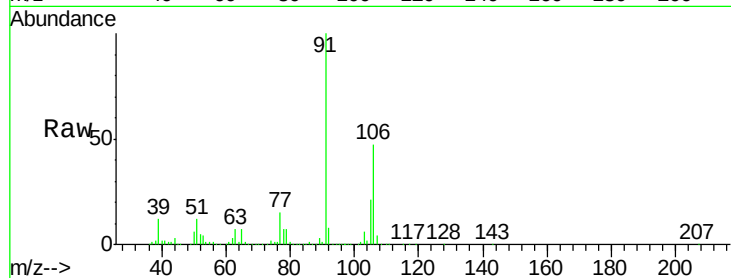
#69
m/p-Xylenes
Concen: 11.37 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 147567
Ion Ratio Lower Upper
106 100
91 217.2 167.1 250.7

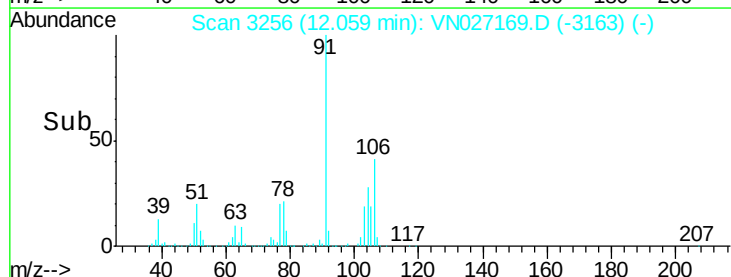
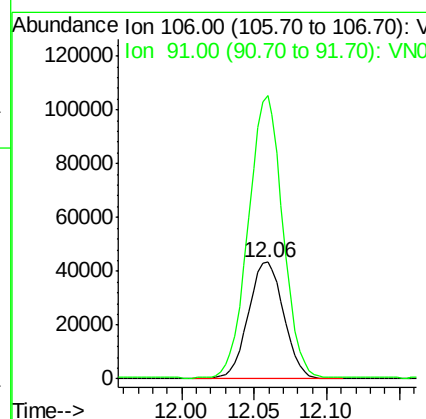
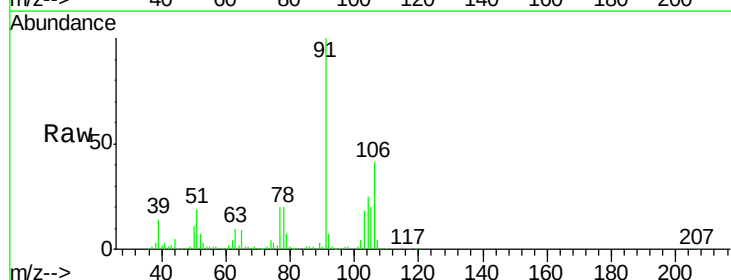
Manual Integrations
APPROVED

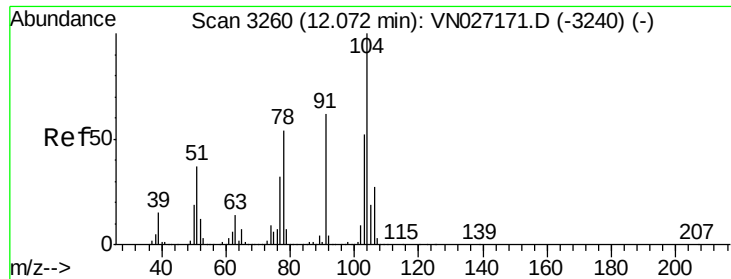
MMDadoda
9/16/2015 11:45:55 AM



#70
o-Xylene
Concen: 5.81 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion:106 Resp: 74189
Ion Ratio Lower Upper
106 100
91 234.3 110.7 331.9





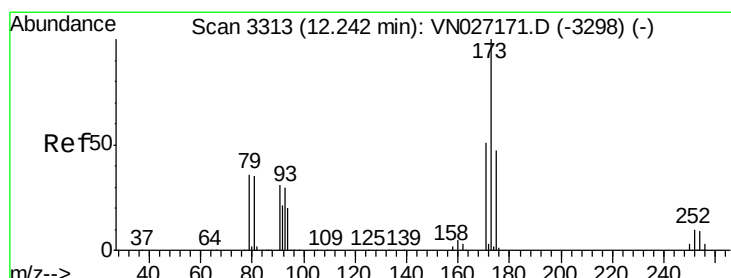
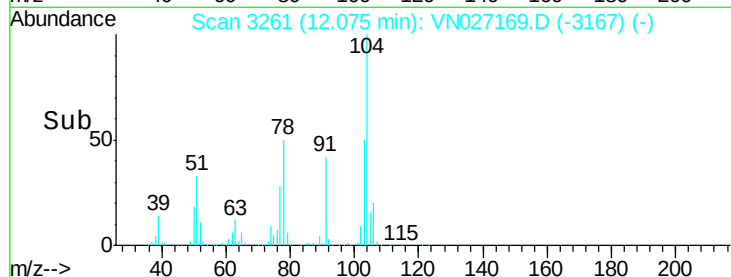
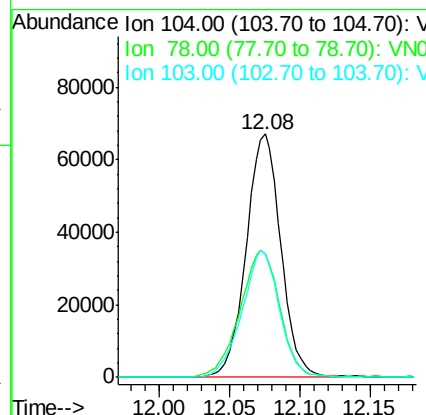
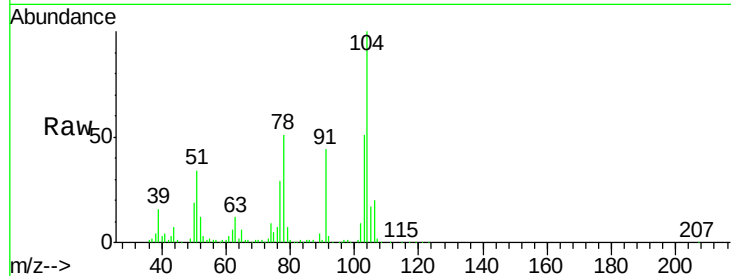
#71
Stvrene
Concen: 5.64 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
104	100	115738		
78	60.3		41.6	62.4
103	56.2		44.2	66.2

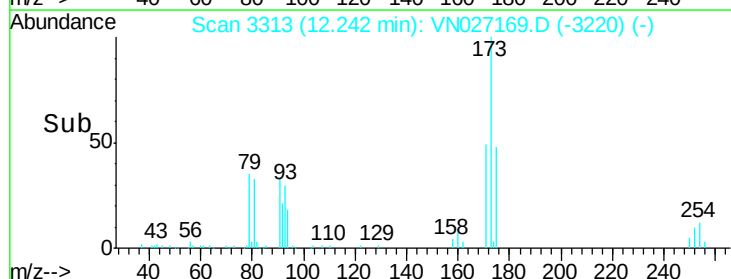
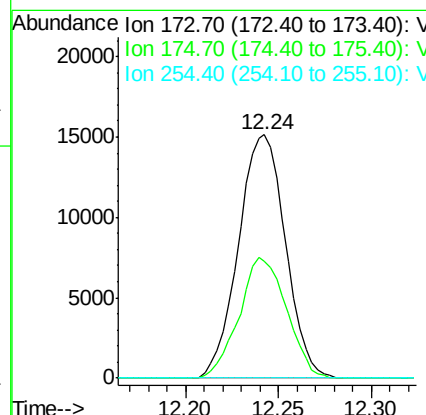
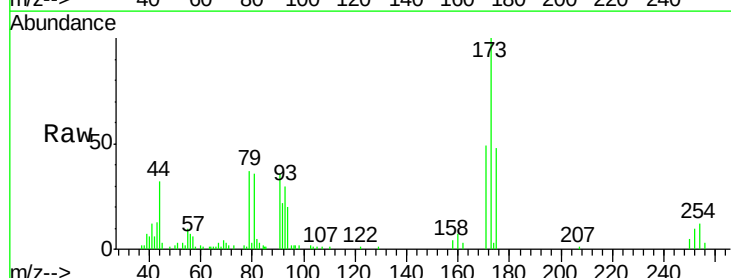
Manual Integrations
APPROVED

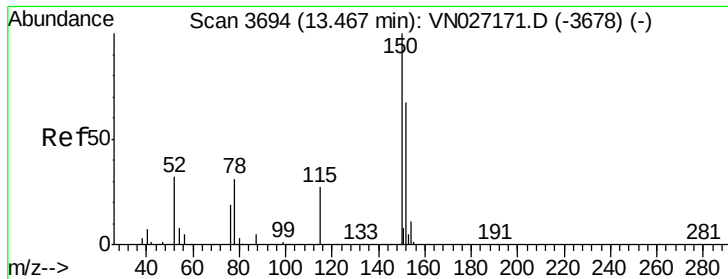
MMDadoda
9/16/2015 11:45:55 AM



#72
Bromoform
Concen: 5.38 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	26686		
175	49.9		24.4	73.4
254	0.0		0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

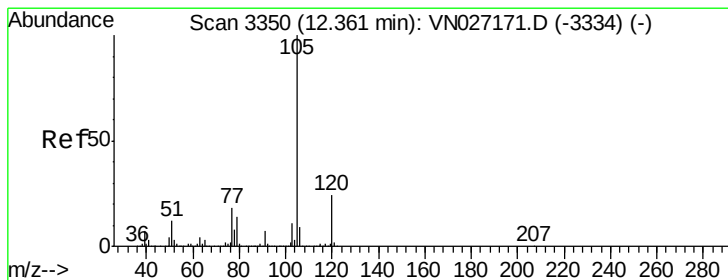
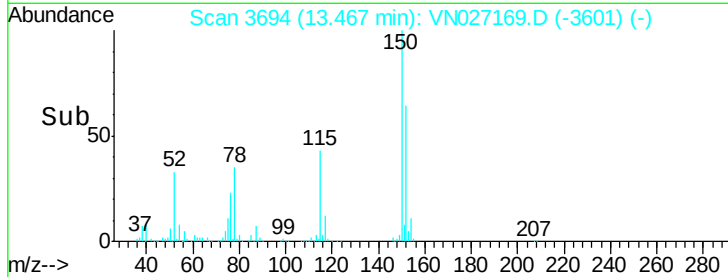
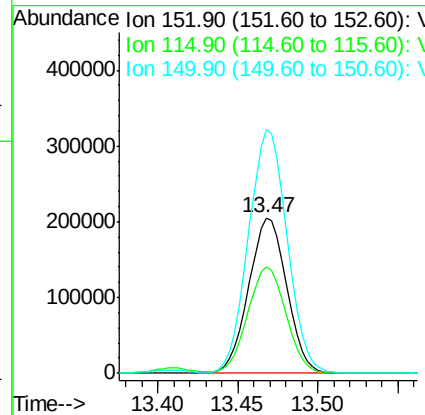
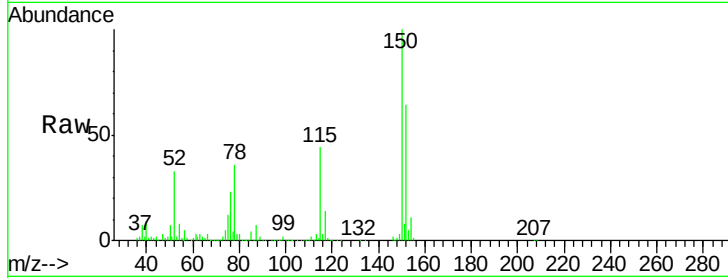
ClientSampled :

VSTDIC005

Tot Ion:	152	Resp:	334347
Ion Ratio	Lower	Upper	
152	100		
115	68.6	30.8	92.3
150	158.5	0.0	345.0

Manual Integrations
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MMDadoda
9/16/2015 11:45:55 AM



#74

Isopropylbenzene

Concen: 6.83 ug/l

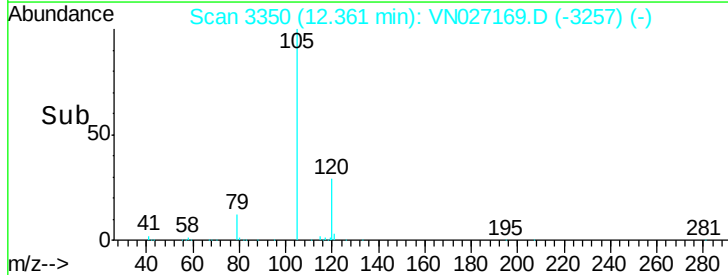
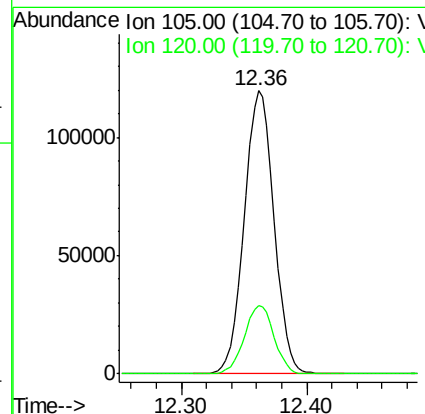
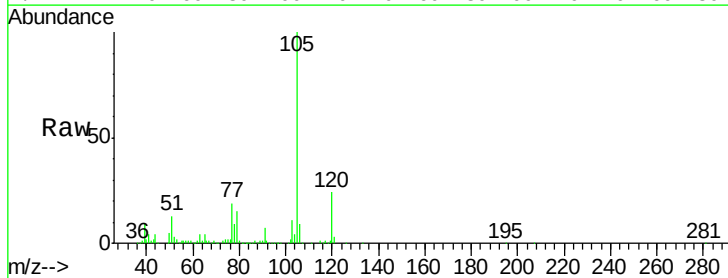
RT: 12.36 min Scan# 3350

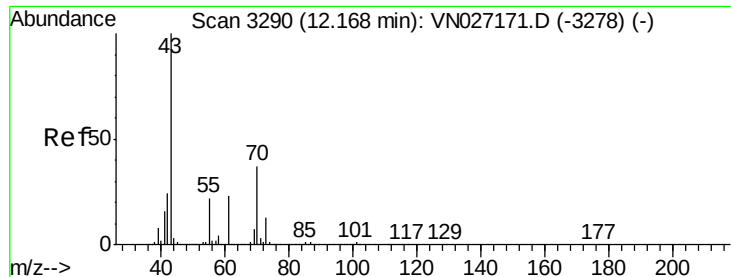
Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion:	105	Resp:	197125
Ion Ratio	Lower	Upper	
105	100		
120	24.1	12.4	37.2





#75

N-amvl acetate

Concen: 10.23 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

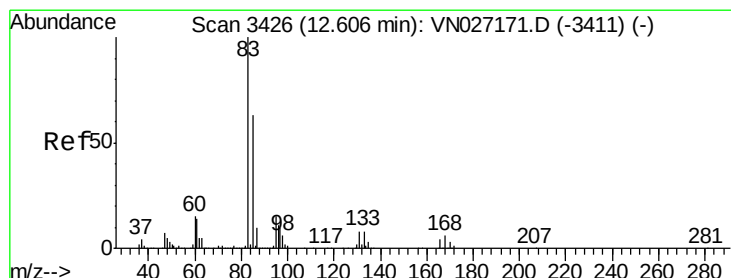
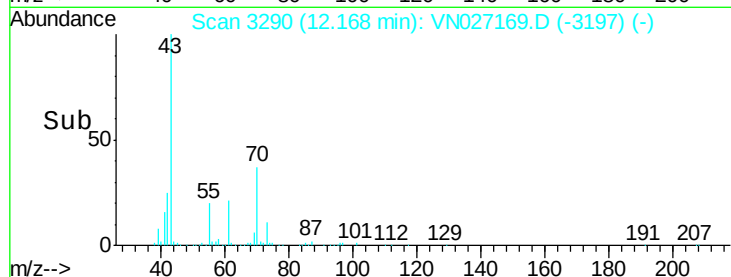
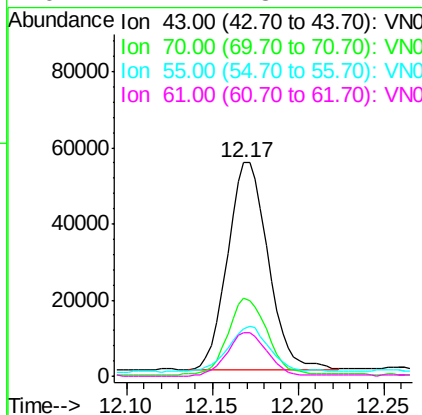
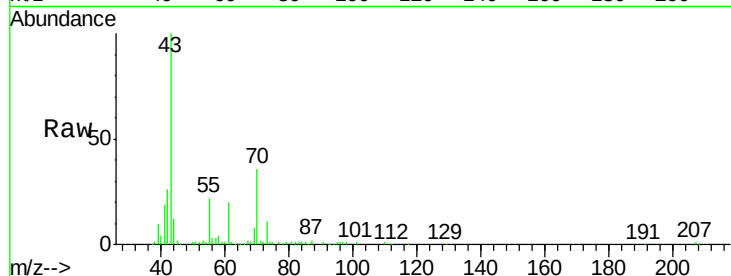
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		90347		
70	36.1	29.8	44.8		
55	22.2	19.4	29.0		
61	21.1	18.2	27.2		

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 7.51 ug/l

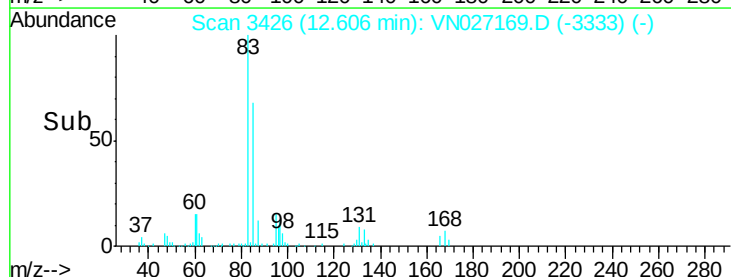
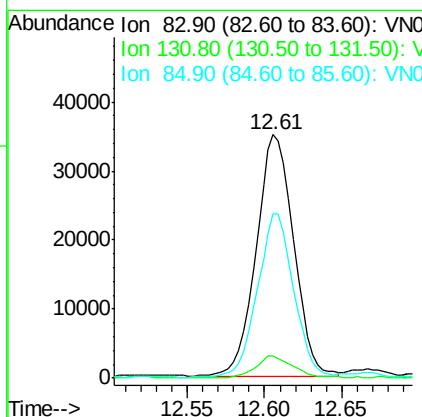
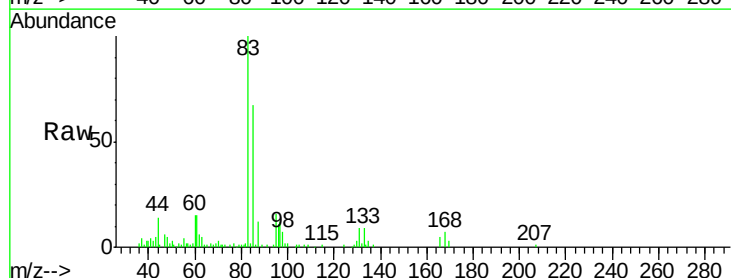
RT: 12.61 min Scan# 3426

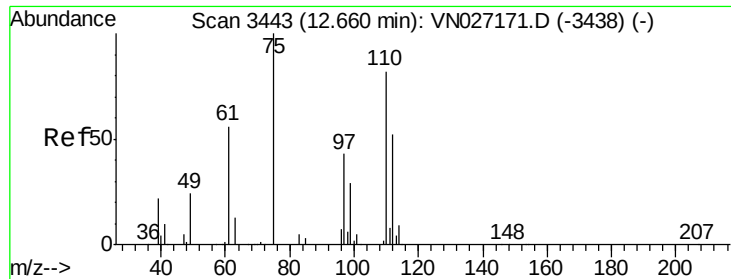
Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		58812		
131	9.4	4.1	12.3		
85	66.9	31.9	95.7		





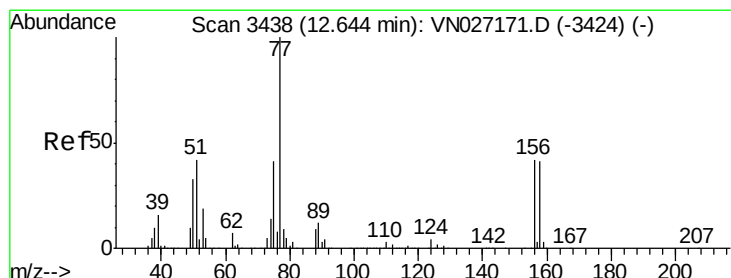
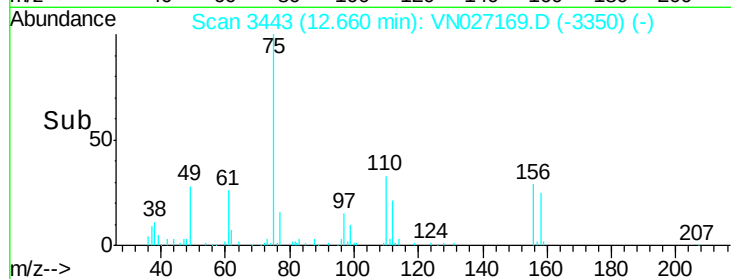
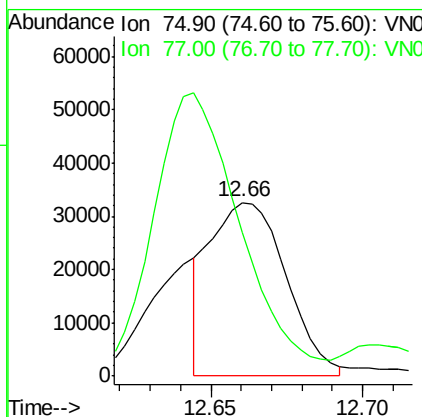
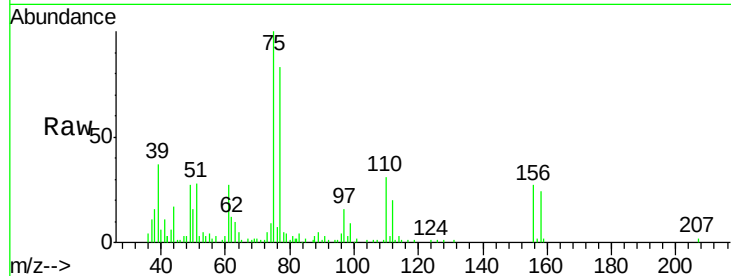
#77
 1,2,3-Trichloropropane
 Concen: 8.65 ug/l m
 RT: 12.66 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 75 Resp: 57218
 Ion Ratio Lower Upper
 75 100
 77 182.5 103.1 309.3

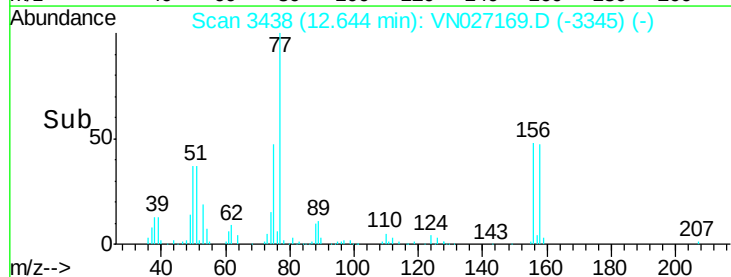
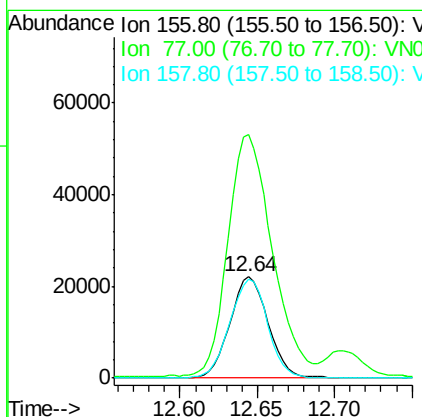
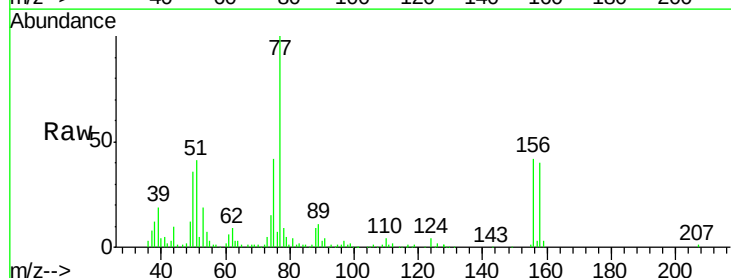
Manual Integrations
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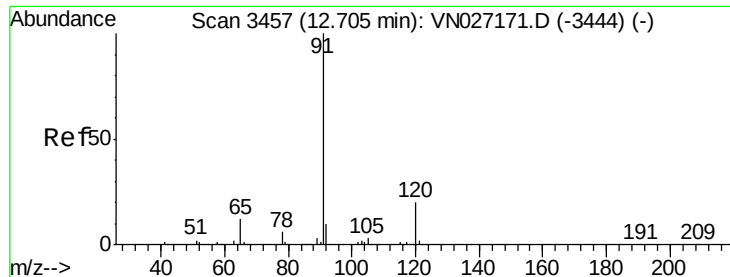
MMDadoda
 9/16/2015 11:45:55 AM



#78
 Bromobenzene
 Concen: 5.44 ug/l
 RT: 12.64 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion: 156 Resp: 37797
 Ion Ratio Lower Upper
 156 100
 77 276.3 127.3 381.9
 158 97.2 48.0 144.2





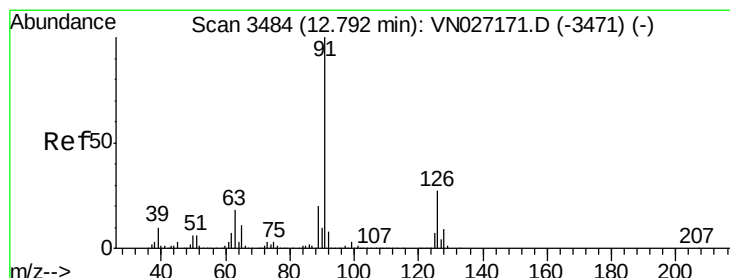
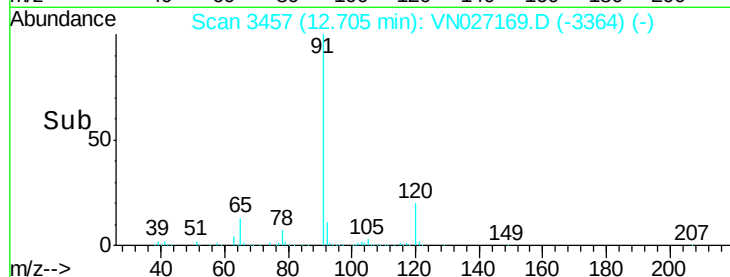
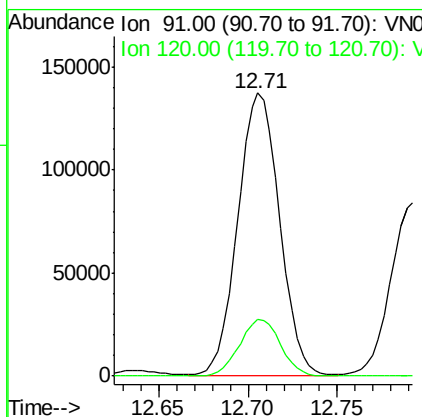
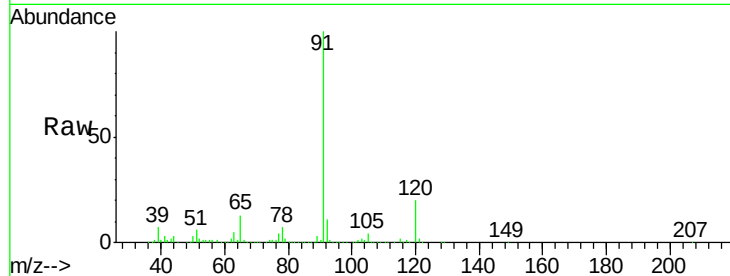
#79
n-propylbenzene
Concen: 7.02 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
120	19.8	10.3	30.8

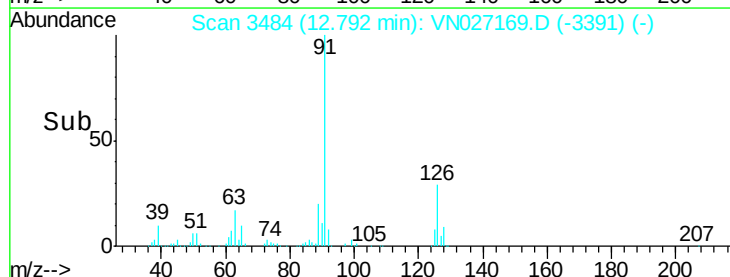
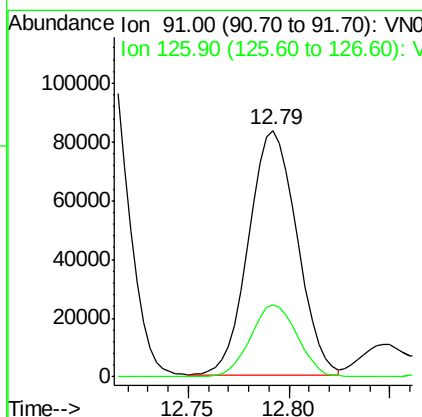
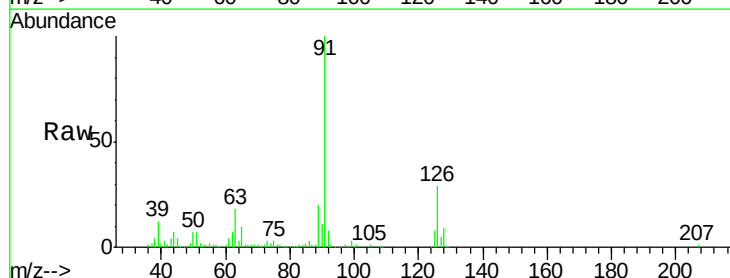
Manual Integrations
APPROVED

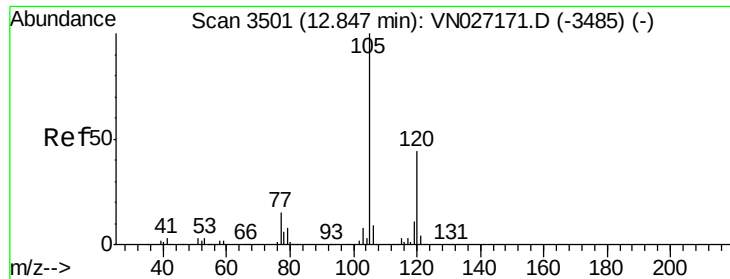
MMDadoda
9/16/2015 11:45:55 AM



#80
2-Chlorotoluene
Concen: 7.15 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	15.2	45.5





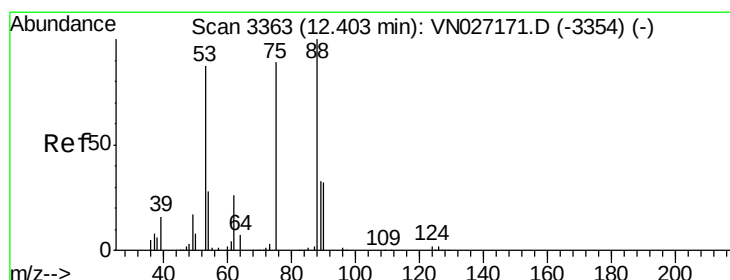
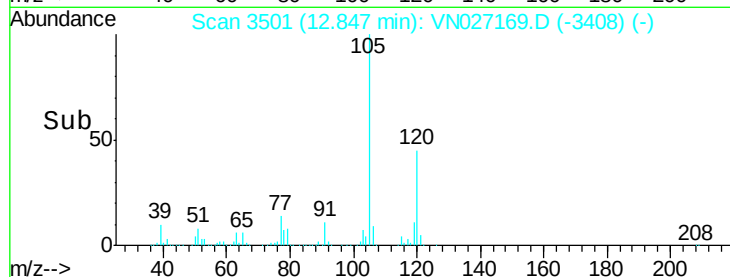
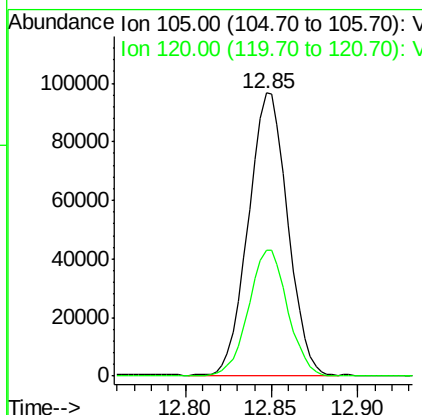
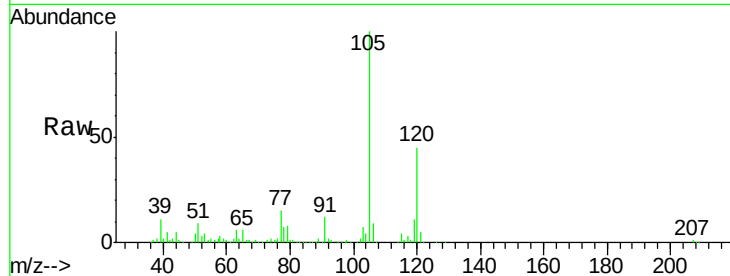
#81
 1,3,5-Trimethylbenzene
 Concen: 6.95 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:105 Resp: 152325
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.4 70.0

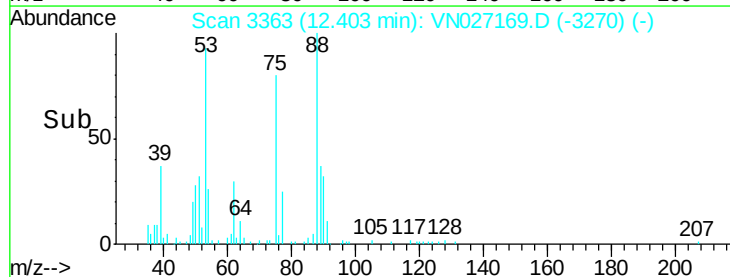
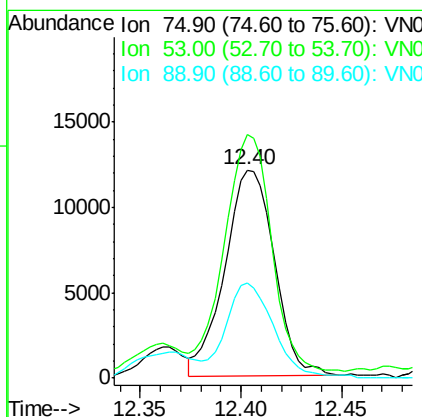
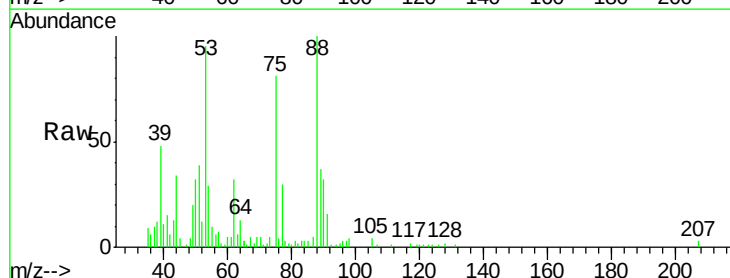
Manual Integrations
 APPROVED

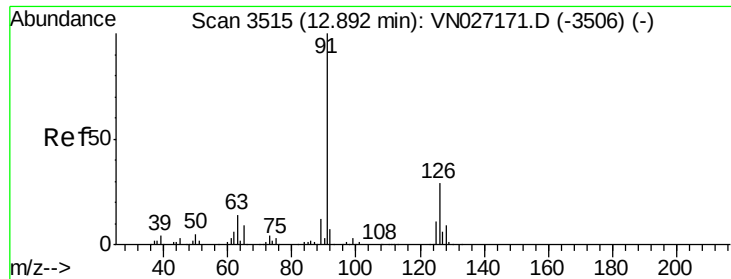
MMDadoda
 9/16/2015 11:45:55 AM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 8.94 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion: 75 Resp: 20800
 Ion Ratio Lower Upper
 75 100
 53 108.9 92.9 139.3
 89 42.1 34.2 51.4





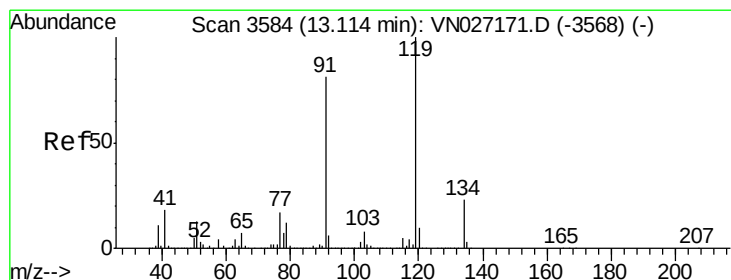
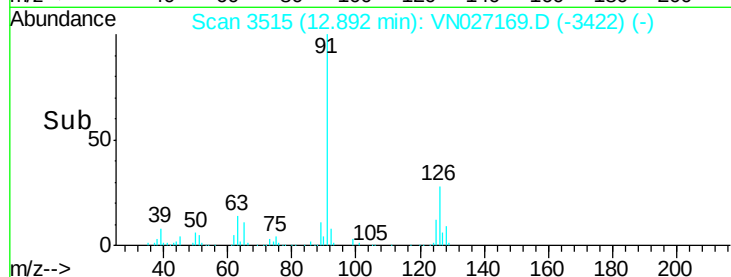
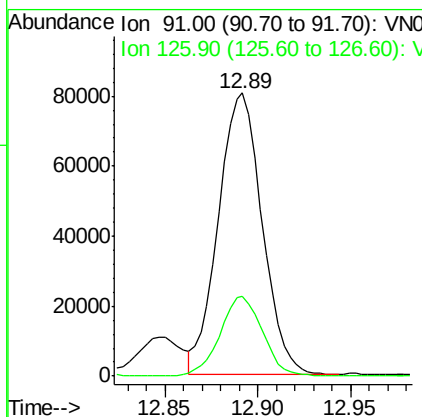
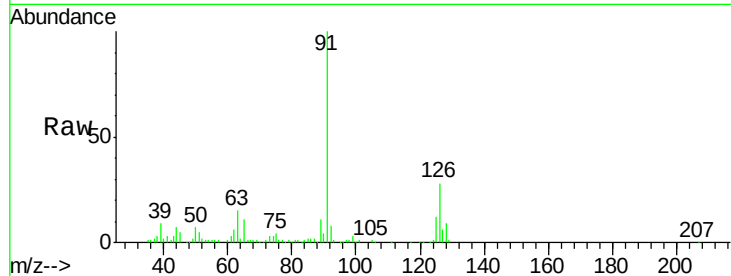
#83
4-Chlorotoluene
Concen: 6.92 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.9	44.5

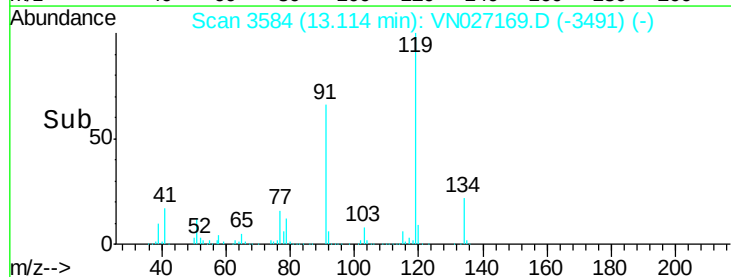
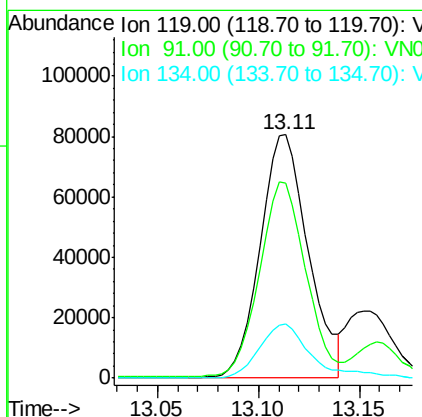
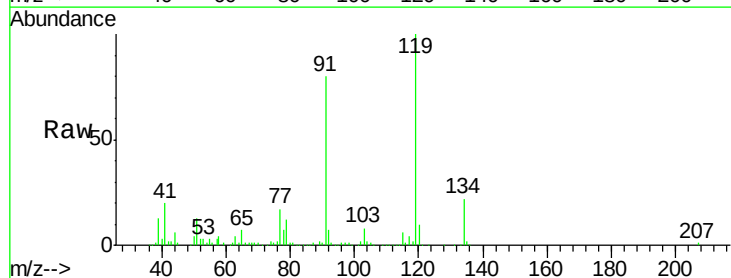
Manual Integrations
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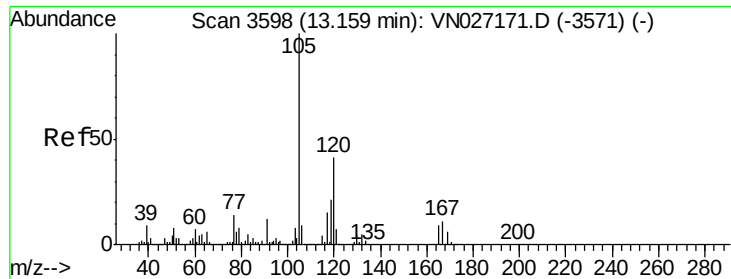
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#84
tert-Butylbenzene
Concen: 6.84 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
119	100		
91	77.5	34.6	103.8
134	24.1	11.4	34.2





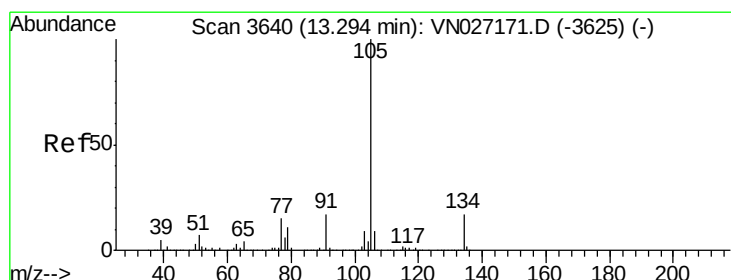
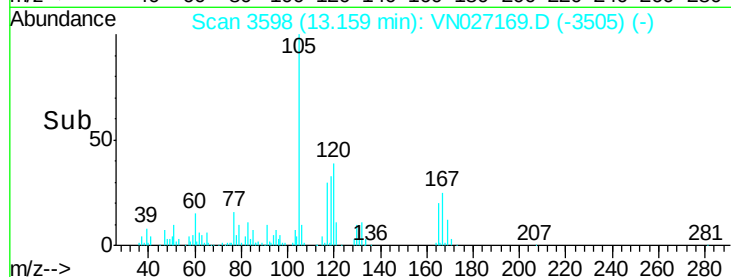
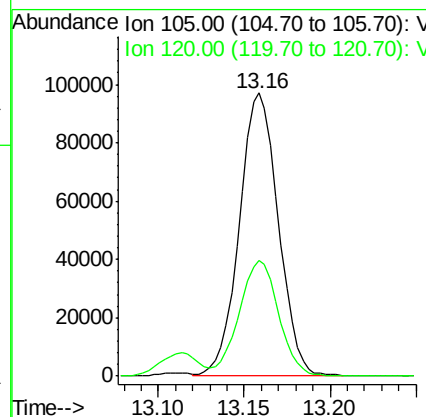
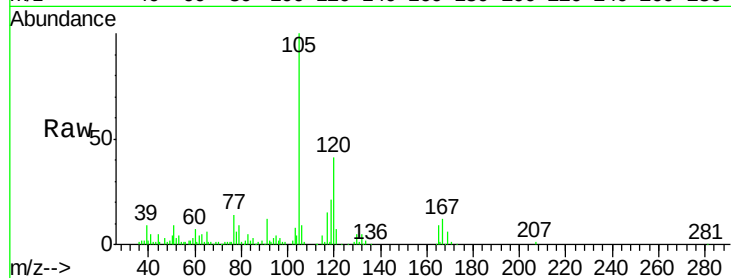
#85
 1,2,4-Trimethylbenzene
 Concen: 6.86 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.9	65.5

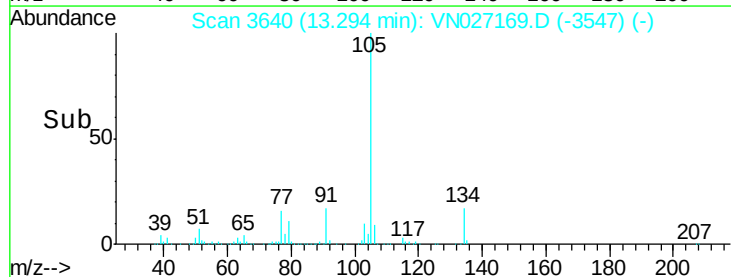
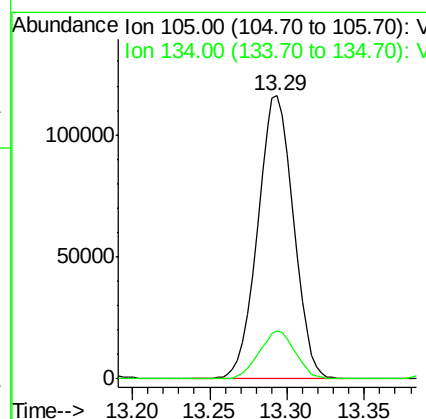
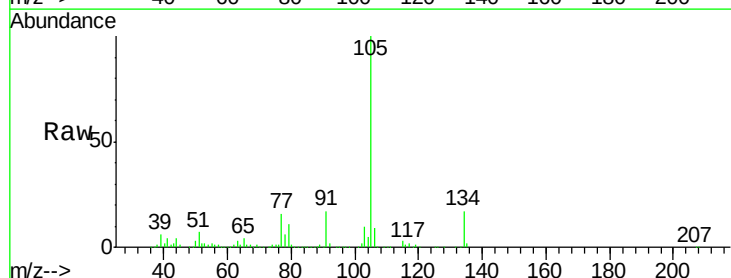
Manual Integrations
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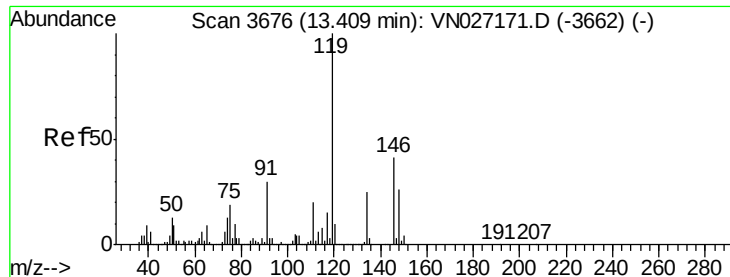
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 9/16/2015 11:45:55 AM



#86
 sec-Butylbenzene
 Concen: 6.92 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.0	8.8	26.4





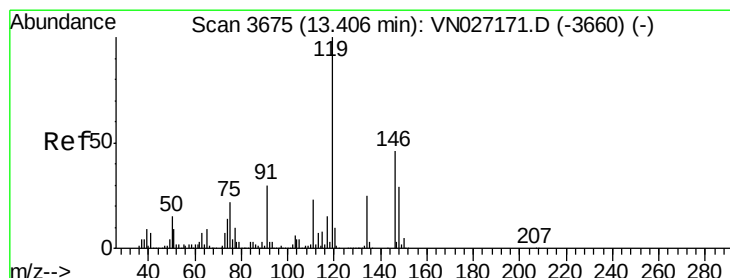
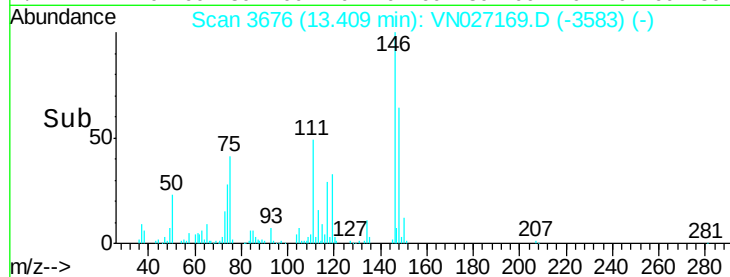
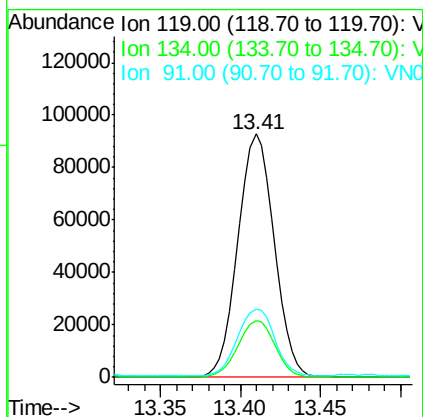
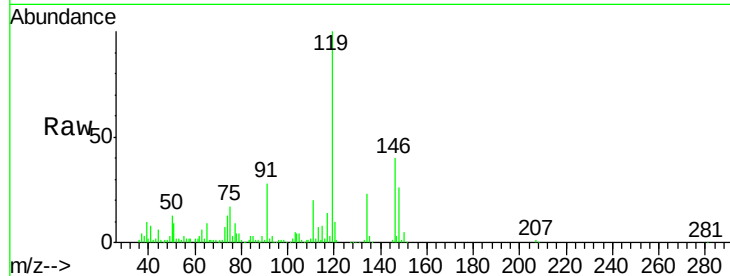
#87
 p-Isopropyltoluene
 Concen: 6.47 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	119	Resp:	142754
Ion Ratio	Lower	Upper	
119	100		
134	24.1	12.4	37.0
91	27.9	12.0	36.1

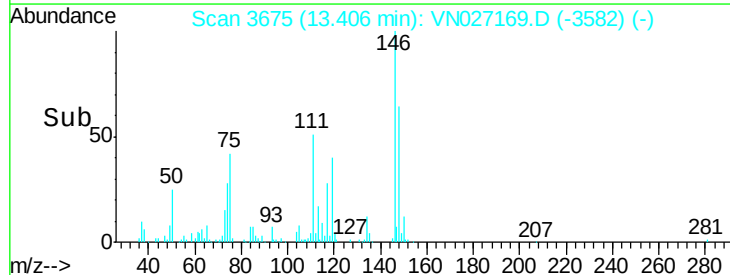
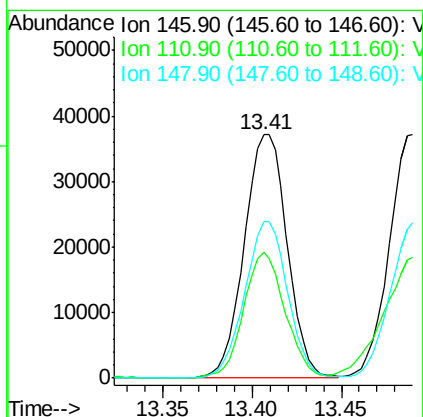
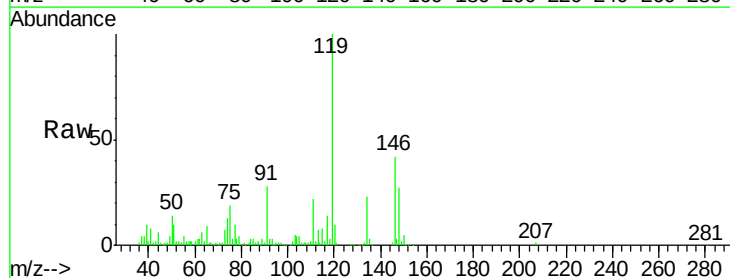
Manual Integrations
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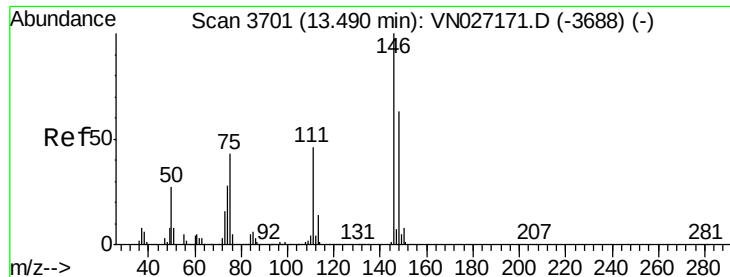
MMDadoda
 9/16/2015 11:45:55 AM



#88
 1,3-Dichlorobenzene
 Concen: 5.20 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion:	146	Resp:	62455
Ion Ratio	Lower	Upper	
146	100		
111	49.8	21.0	63.0
148	64.2	31.9	95.9





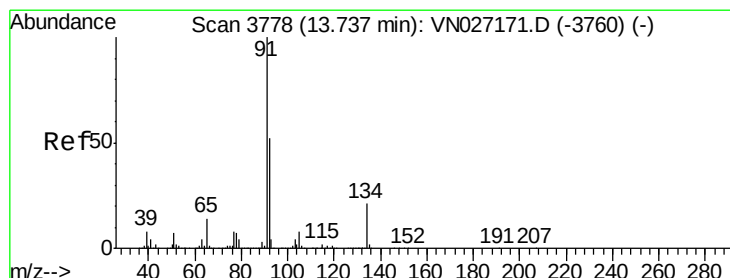
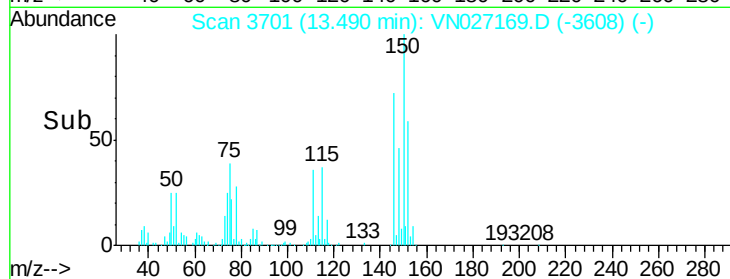
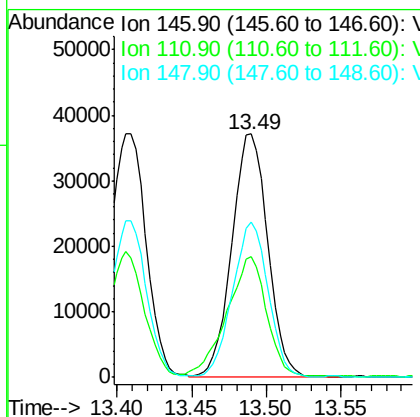
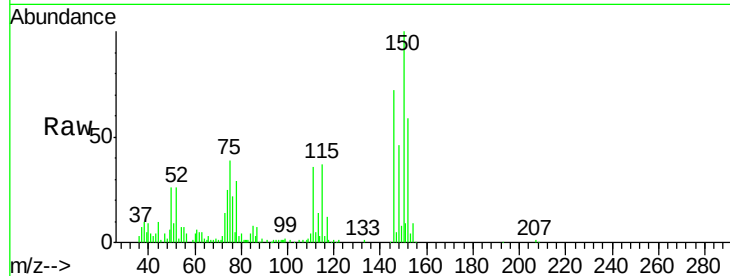
#89
 1,4-Dichlorobenzene
 Concen: 5.15 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.7	19.9	59.6
148	63.3	31.7	95.1

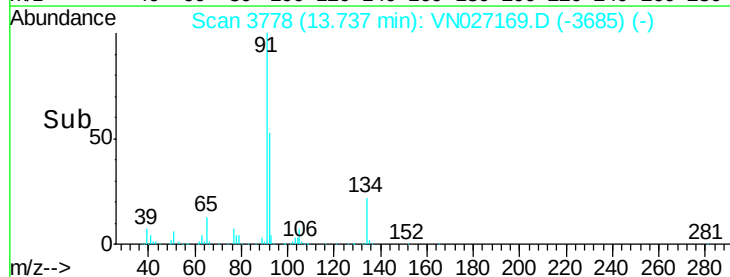
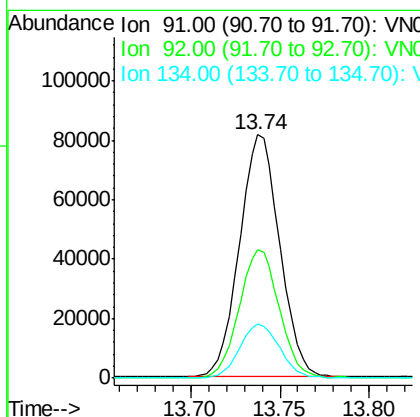
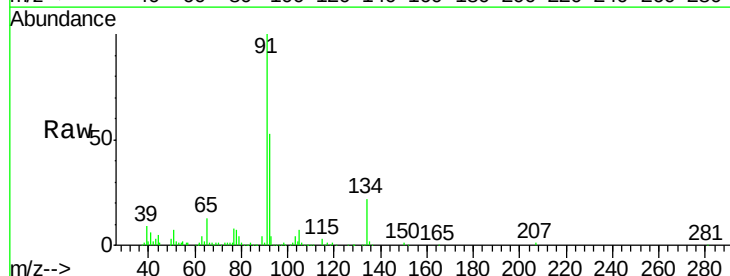
Manual Integrations
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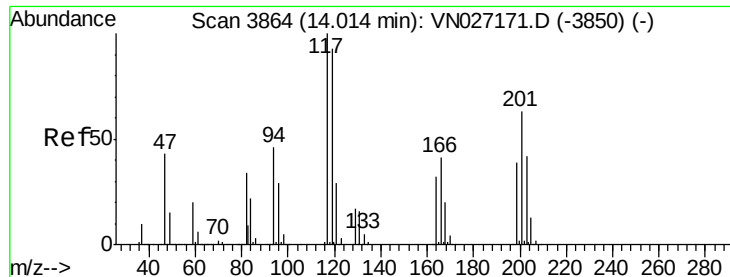
MMDadoda
 9/16/2015 11:45:55 AM



#90
 n-Butylbenzene
 Concen: 6.69 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.2
134	22.3	11.1	33.1





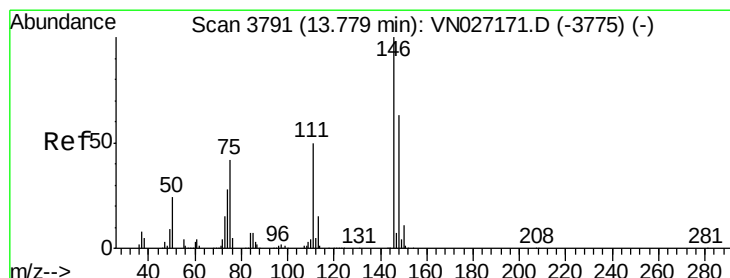
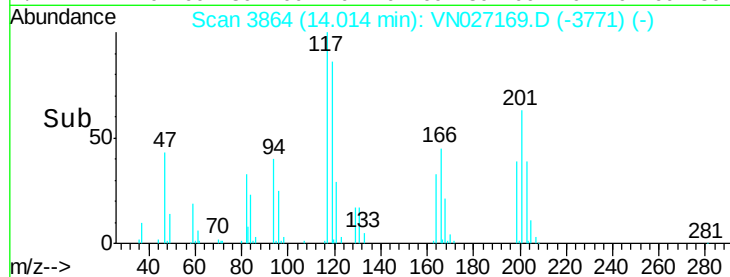
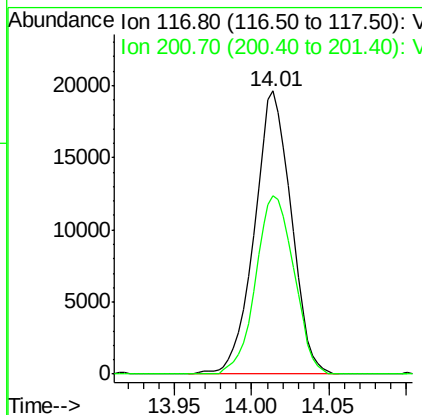
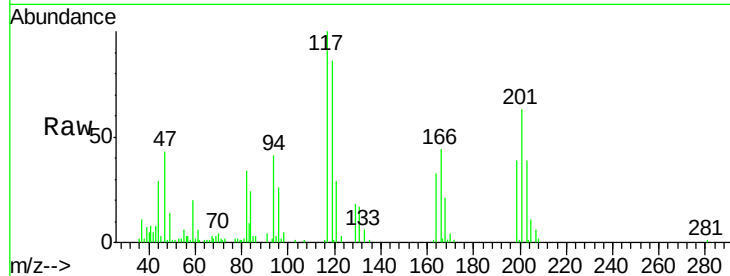
#91
Hexachloroethane
Concen: 7.41 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 32581
Ion Ratio Lower Upper
117 100
201 65.2 34.9 104.7

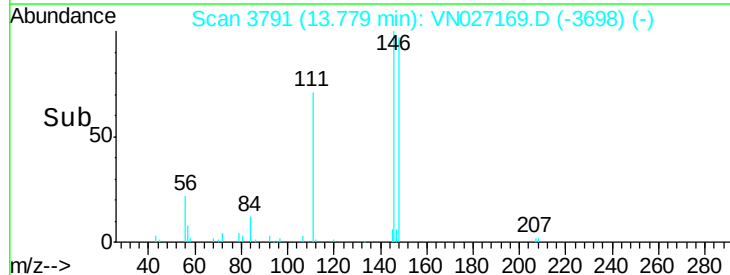
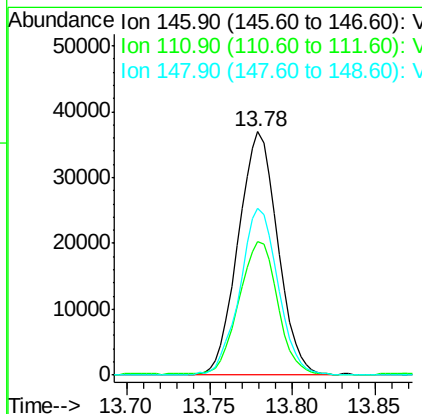
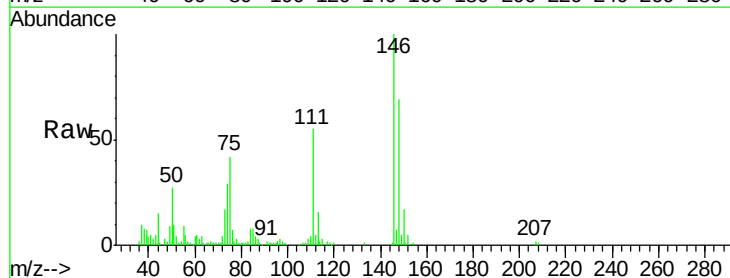
Manual Integrations
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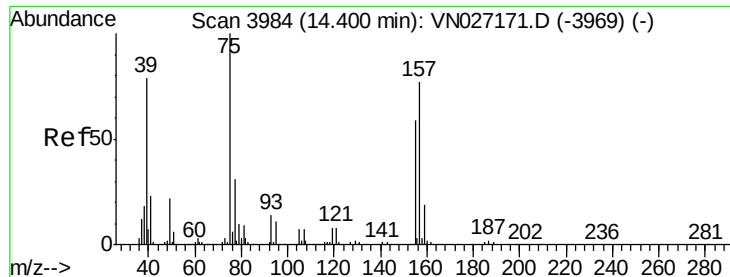
MMDadoda
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#92
1,2-Dichlorobenzene
Concen: 5.16 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027169.D
Acq: 15 Sep 2015 15:56

Tgt Ion:146 Resp: 61232
Ion Ratio Lower Upper
146 100
111 54.2 22.1 66.3
148 66.3 32.0 96.0





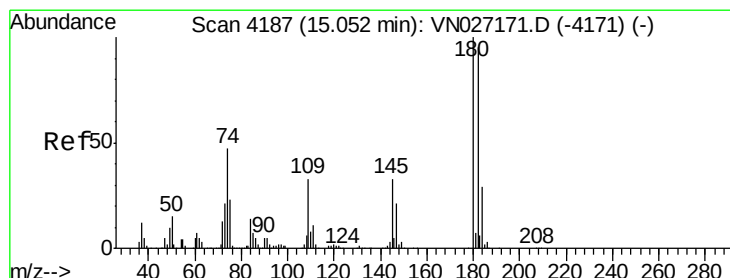
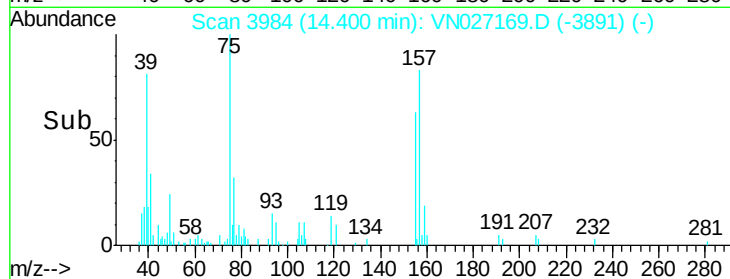
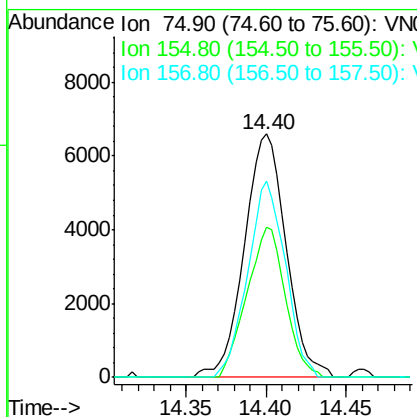
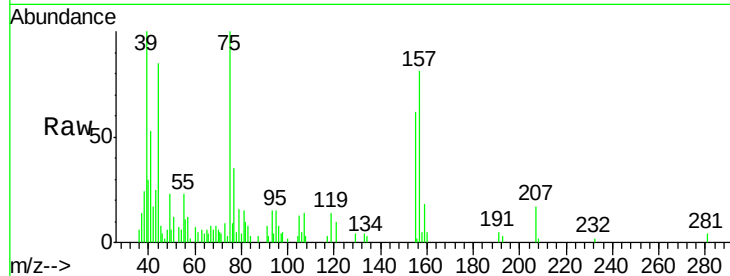
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 10.12 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
155	56.5	35.6	106.9
157	72.6	44.6	133.8

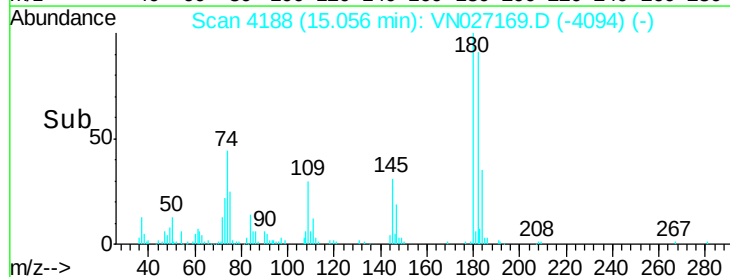
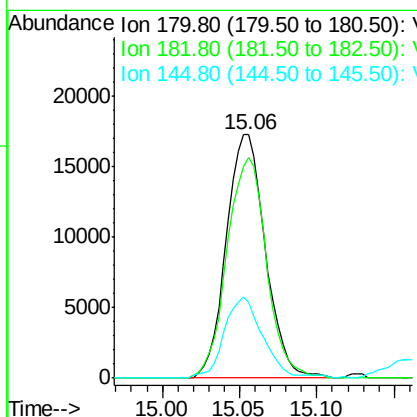
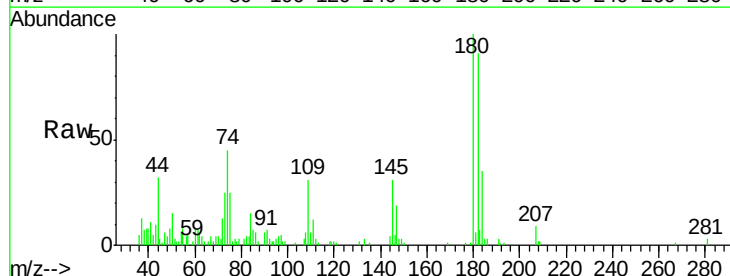
Manual Integrations
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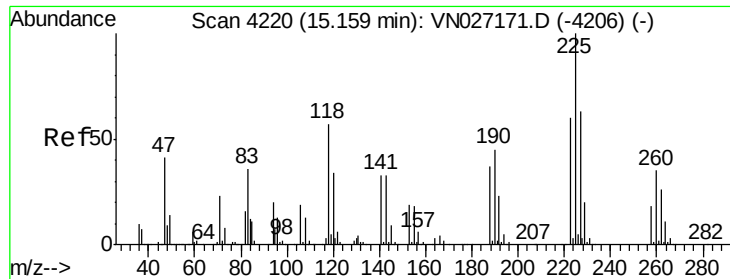
MMDadoda
 9/16/2015 11:45:55 AM



#94
 1,2,4-Trichlorobenzene
 Concen: 5.05 ug/l
 RT: 15.06 min Scan# 4188
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.5	142.5
145	32.9	15.1	45.3





#95

Hexachlorobutadiene

Concen: 5.20 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027169.D

Acq: 15 Sep 2015 15:56

Instrument :

MSVOA_N

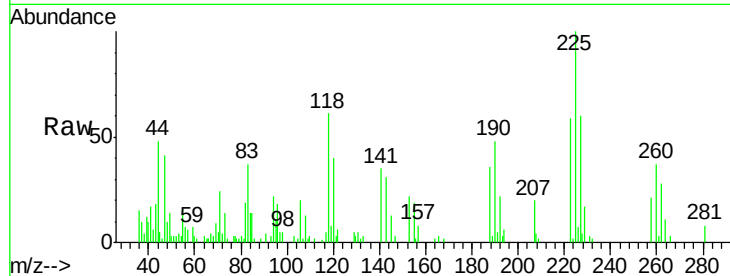
ClientSampleId :

VSTDIC005

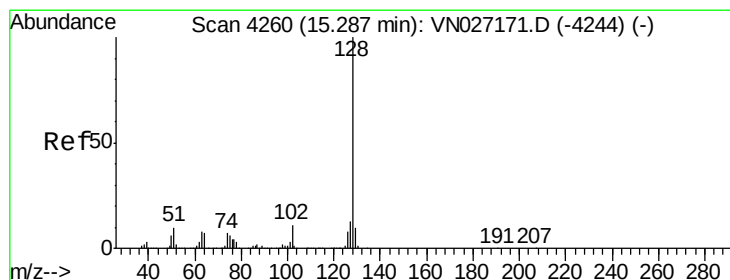
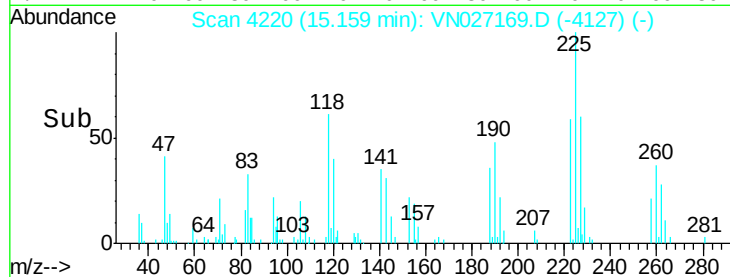
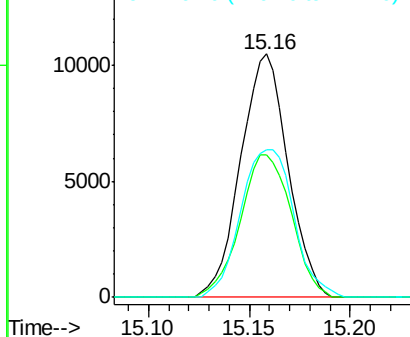
Tot Ion:	225	Resp:	17261
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.8	92.3
227	68.3	31.7	95.1

Manual Integrations
APPROVED

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9/16/2015 11:45:55 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 6.06 ug/l

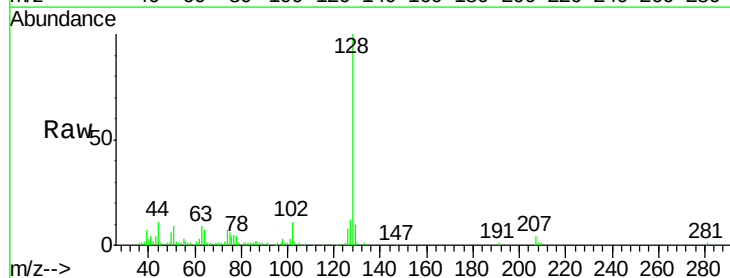
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

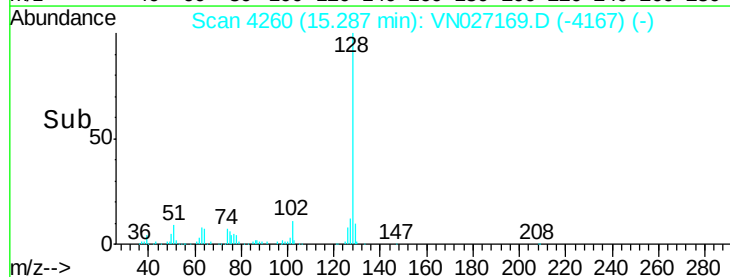
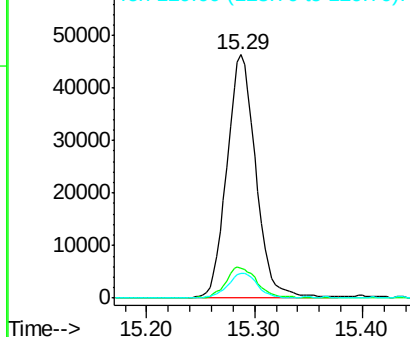
Lab File: VN027169.D

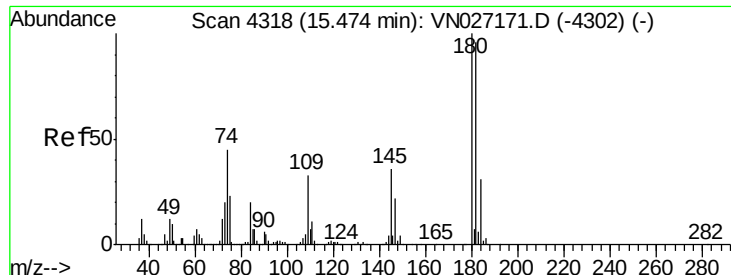
Acq: 15 Sep 2015 15:56

Tgt Ion:	128	Resp:	86918
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	10.5	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#97
 1,2,3-Trichlorobenzene
 Concen: 5.03 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027169.D
 Acq: 15 Sep 2015 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	29922
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.8	146.4
145	36.2	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:45:55 AM

