

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027175.D
 Acq On : 15 Sep 2015 20:06
 Operator : MD\FY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:47:23 AM

Quant Time: Sep 15 21:06:52 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	540158	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1022944	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	844042	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	285673	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
36) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
51) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
63) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	7686	1.78	ug/l	98
3) Chlorodifluoromethane	1.82	51	7699	1.30	ug/l #	75
4) Chloromethane	2.01	50	10462	1.59	ug/l	94
5) Vinyl Chloride	2.14	62	8936	1.38	ug/l	90
6) Bromomethane	2.54	94	5153	1.43	ug/l	88
7) Chloroethane	2.69	64	6375	1.78	ug/l	98
8) Trichlorofluoromethane	3.02	101	13484	1.73	ug/l	93
9) Diethyl Ether	3.43	74	6374	1.83	ug/l	74
10) 1,1,2-Trichlorotrifluoroet	3.79	101	8432	1.58	ug/l	92
11) Methyl Iodide	3.99	142	6578	1.07	ug/l	94
13) 1,1-Dichloroethene	3.76	96	8054	1.57	ug/l	94
15) Allvl chloride	4.37	41	15928	1.83	ug/l #	74
16) Acrylonitrile	5.06	53	17243m	7.11	ug/l	
17) Acetone	3.85	43	11913	5.69	ug/l	90
18) Carbon Disulfide	4.11	76	28541	1.78	ug/l	97
19) Methyl Acetate	4.38	43	19968	1.45	ug/l	91
20) Methyl tert-butyl Ether	5.12	73	32347	1.86	ug/l	99
21) Methylene Chloride	4.60	84	9813	1.57	ug/l	88
22) trans-1,2-Dichloroethene	5.12	96	8774m	1.53	ug/l	
23) Diisopropyl ether	6.04	45	33181	1.76	ug/l #	74
24) Vinyl Acetate	6.01	43	42893m	7.59	ug/l	
25) 1,1-Dichloroethane	5.94	63	20147	1.89	ug/l #	93
26) 2-Butanone	6.94	43	19549	6.80	ug/l	97
27) 2,2-Dichloropropane	6.92	77	16763m	1.99	ug/l	
28) cis-1,2-Dichloroethene	6.93	96	9659	1.44	ug/l	92
29) Bromochloromethane	7.30	49	7472	1.45	ug/l #	64
30) Tetrahydrofuran	7.34	42	19972m	10.57	ug/l	
31) Chloroform	7.45	83	16555	1.54	ug/l	96
32) Cyclohexane	7.76	56	34849	2.78	ug/l #	49
33) 1,1,1-Trichloroethane	7.67	97	15570	1.71	ug/l #	54
37) 1,1-Dichloropropene	7.90	75	13640	1.42	ug/l	97
38) Ethyl Acetate	7.04	43	15600m	2.29	ug/l	
39) Carbon Tetrachloride	7.88	117	12504	1.38	ug/l	90
40) Methylcyclohexane	9.19	83	17186	1.48	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Benzene	8.14	78	40073	1.35	ug/l	96
42) Methacrylonitrile	7.26	41	5429	1.23	ug/l #	64
43) 1,2-Dichloroethane	8.22	62	16382	1.61	ug/l	96
44) Isopropyl Acetate	8.25	43	18576	1.51	ug/l #	92
45) Trichloroethene	8.94	130	7725	1.07	ug/l	93
46) 1,2-Dichloropropane	9.22	63	12172	1.58	ug/l	98
47) Dibromomethane	9.30	93	7201	1.57	ug/l #	89
48) Bromodichloromethane	9.50	83	13875	1.45	ug/l	93
49) Methyl methacrylate	9.29	41	9883	1.58	ug/l #	90
50) 1,4-Dioxane	9.32	88	2511m	27.82	ug/l	
52) 4-Methyl-2-Pentanone	10.07	43	57031	8.15	ug/l	98
53) Toluene	10.26	92	23442	1.30	ug/l	95
54) t-1,3-Dichloropropene	10.48	75	15456	1.62	ug/l	99
55) cis-1,3-Dichloropropene	9.94	75	17202	1.55	ug/l	97
56) 1,1,2-Trichloroethane	10.66	97	8397	1.22	ug/l	93
57) Ethyl methacrylate	10.52	69	13919	1.50	ug/l #	93
58) 1,3-Dichloropropane	10.81	76	16240	1.43	ug/l	93
59) 2-Chloroethyl Vinyl ether	9.79	63	29826	8.26	ug/l	100
60) 2-Hexanone	10.84	43	35036	7.52	ug/l	98
61) Dibromochloromethane	11.01	129	8695	1.23	ug/l	92
62) 1,2-Dibromoethane	11.12	107	8197	1.25	ug/l	93
65) Tetrachloroethene	10.74	164	6494	1.08	ug/l #	82
66) Chlorobenzene	11.54	112	23725	1.29	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.61	131	7706	1.21	ug/l #	60
68) Ethyl Benzene	11.62	91	43597	1.41	ug/l	100
69) m/p-Xylenes	11.73	106	29407	2.56	ug/l	93
70) o-Xylene	12.06	106	14686	1.30	ug/l	93
71) Stvrene	12.08	104	22513	1.24	ug/l	90
72) Bromoform	12.24	173	5061	1.15	ug/l #	95
74) Isopropylbenzene	12.36	105	37900	1.54	ug/l	100
75) N-amyl acetate	12.17	43	15037	1.99	ug/l	97
76) 1,1,2,2-Tetrachloroethane	12.61	83	12490	1.87	ug/l	97
77) 1,2,3-Trichloropropane	12.66	75	10347m	1.83	ug/l	
78) Bromobenzene	12.64	156	7919	1.33	ug/l	100
79) n-propylbenzene	12.71	91	43029	1.59	ug/l	100
80) 2-Chlorotoluene	12.79	91	25543	1.52	ug/l	98
81) 1,3,5-Trimethylbenzene	12.85	105	30324	1.62	ug/l	91
82) trans-1,4-Dichloro-2-buten	12.40	75	4282	2.16	ug/l	92
83) 4-Chlorotoluene	12.89	91	24314	1.50	ug/l	96
84) tert-Butylbenzene	13.11	119	25082	1.50	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	30842	1.63	ug/l	91
86) sec-Butylbenzene	13.29	105	35439	1.53	ug/l	99
87) p-Isopropyltoluene	13.41	119	27598	1.46	ug/l	97
88) 1,3-Dichlorobenzene	13.41	146	12258	1.19	ug/l	90
89) 1,4-Dichlorobenzene	13.49	146	13550	1.31	ug/l	91
90) n-Butylbenzene	13.74	91	23898	1.46	ug/l	97
91) Hexachloroethane	14.01	117	6358	1.69	ug/l	82
92) 1,2-Dichlorobenzene	13.78	146	12236	1.21	ug/l	88
93) 1,2-Dibromo-3-Chloropropan	14.41	75	3016	3.03	ug/l	72
94) 1,2,4-Trichlorobenzene	15.06	180	5360	1.05	ug/l	93

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ClientSampleId :
VSTDICC001

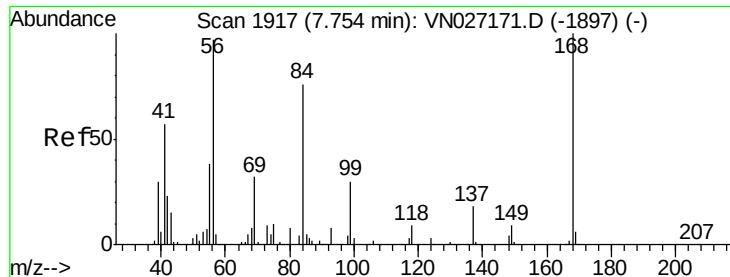
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Quant Title : SW846 8260
QLast Update : Tue Sep 15 17:32:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Hexachlorobutadiene	15.16	225	3331	1.17	ug/l	93
96) Naphthalene	15.29	128	14198	1.16	ug/l	97
97) 1,2,3-Trichlorobenzene	15.48	180	5583	1.10	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

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Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 540158

Ion Ratio Lower Upper

168 100

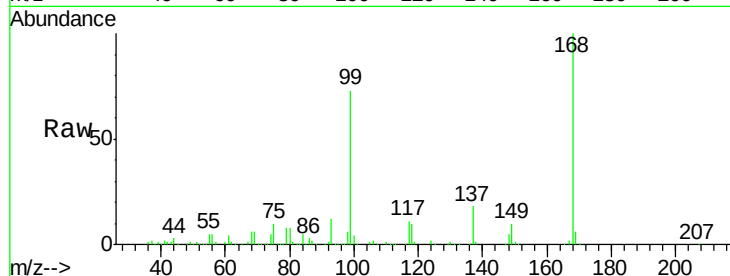
99 72.8 50.4 75.6

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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

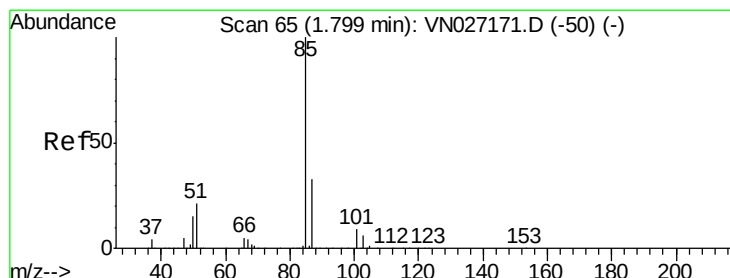
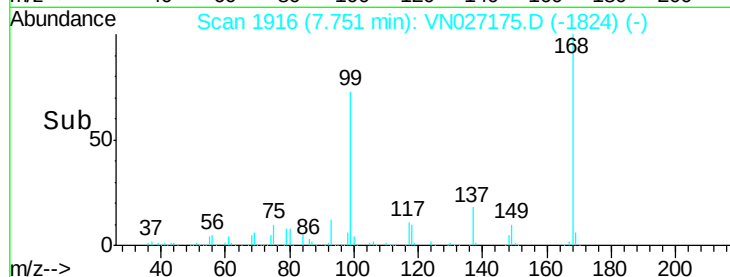
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.78 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027175.D

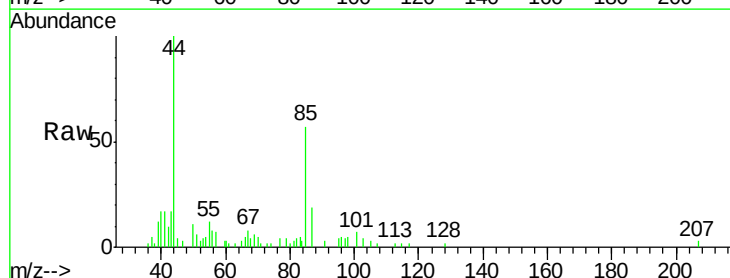
Acq: 15 Sep 2015 20:06

Tgt Ion: 85 Resp: 7686

Ion Ratio Lower Upper

85 100

87 33.7 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

6000

5000

4000

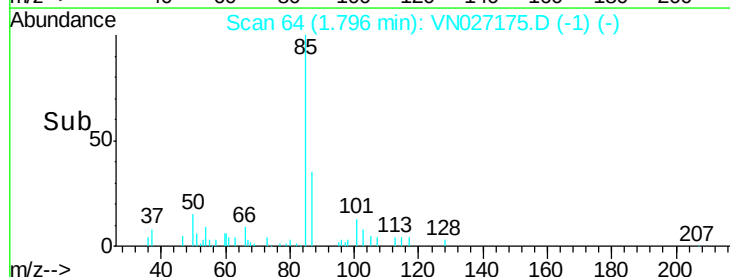
3000

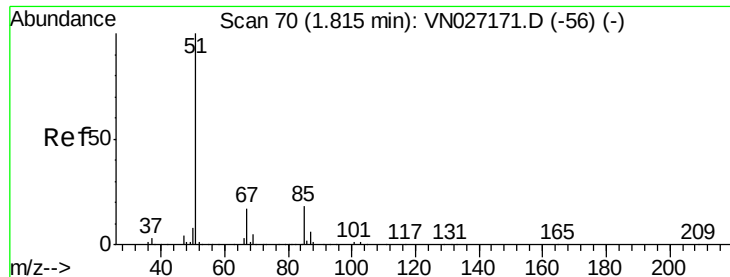
2000

1000

0

Time-->





#3

Chlorodifluoromethane

Concen: 1.30 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 7699

Ion Ratio Lower Upper

51 100

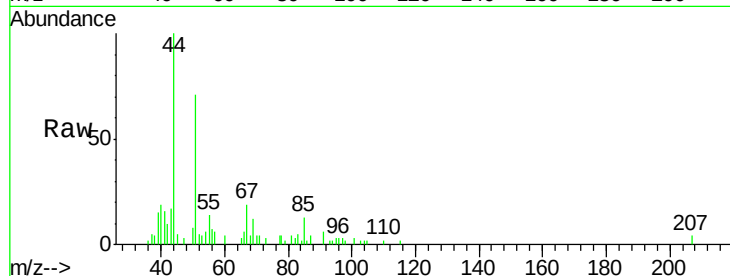
67 25.5 12.2 18.2#

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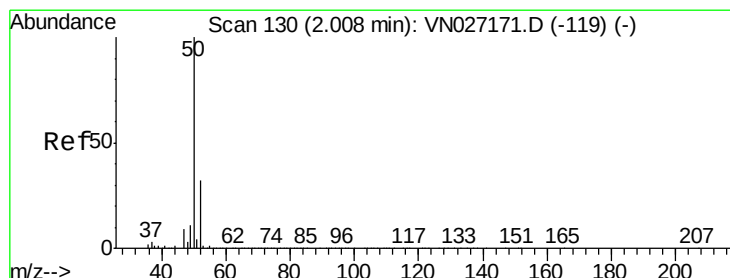
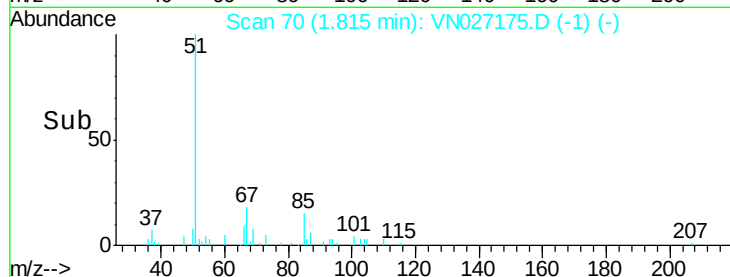
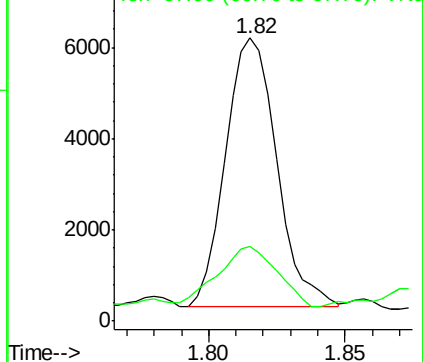
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 1.59 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027175.D

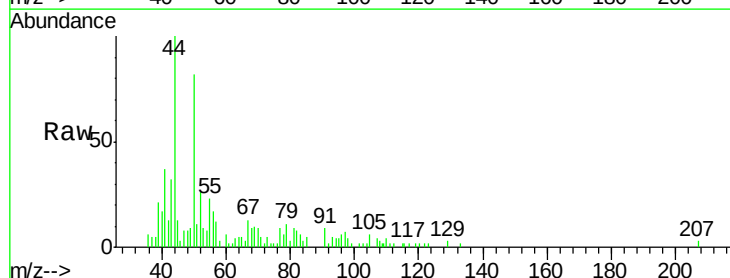
Acq: 15 Sep 2015 20:06

Tgt Ion: 50 Resp: 10462

Ion Ratio Lower Upper

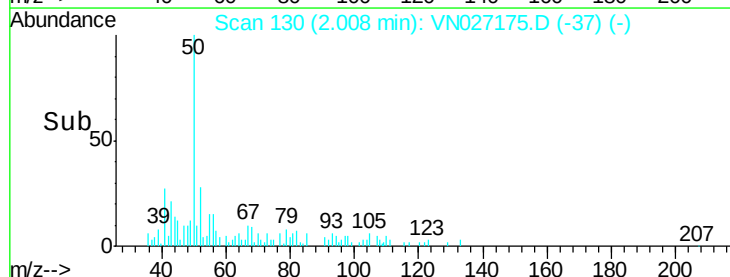
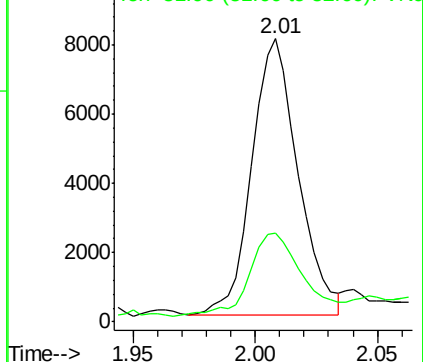
50 100

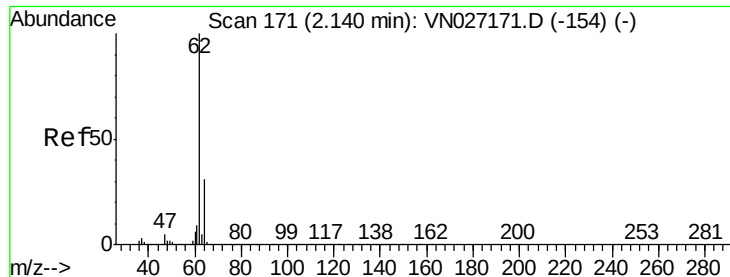
52 28.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 1.38 ug/l

RT: 2.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 62 Resp: 8936

Ion Ratio Lower Upper

62 100

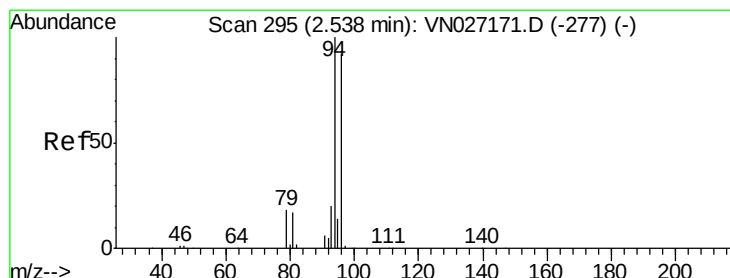
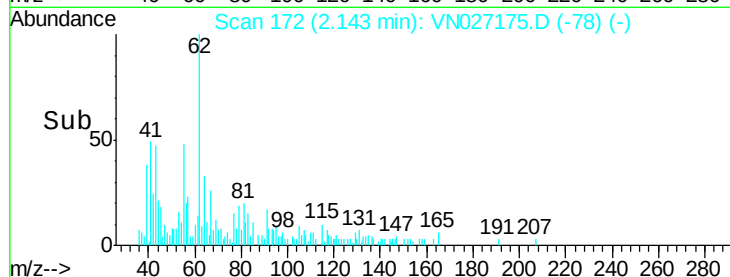
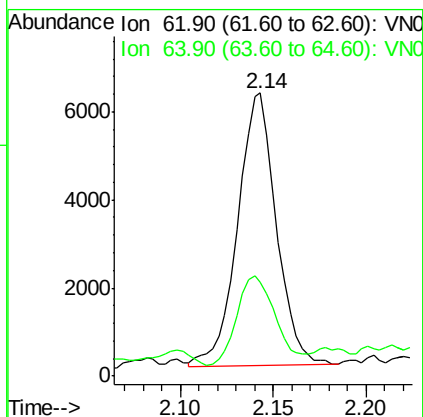
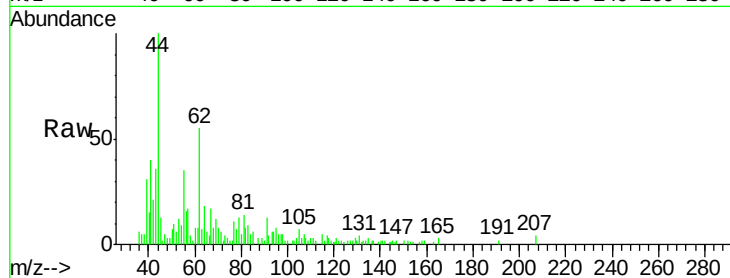
64 26.8 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 1.43 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027175.D

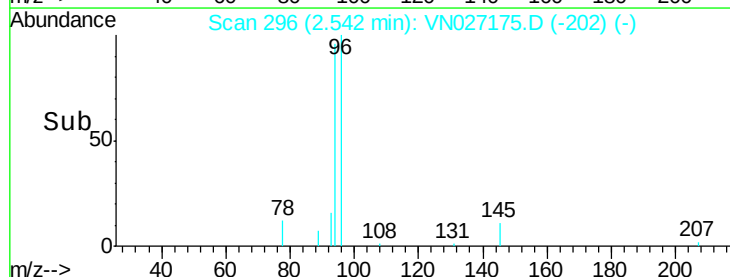
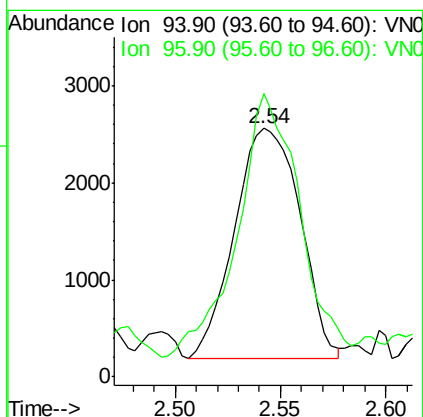
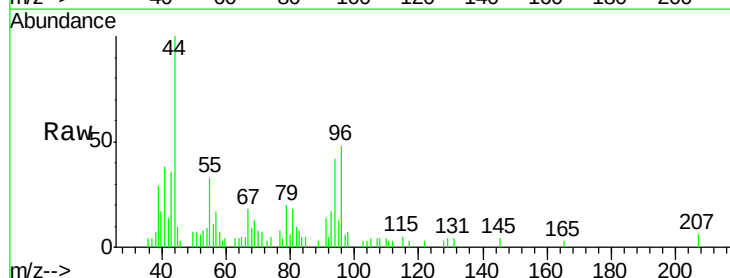
Acq: 15 Sep 2015 20:06

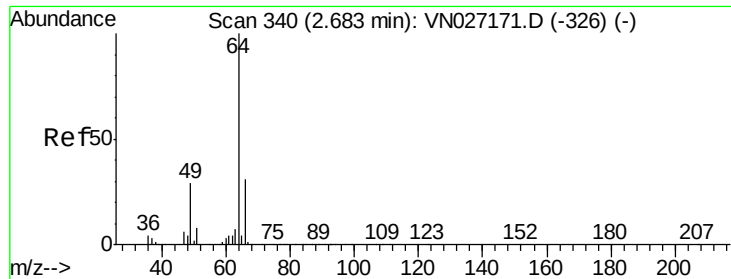
Tgt Ion: 94 Resp: 5153

Ion Ratio Lower Upper

94 100

96 103.0 73.4 110.2





#7

Chloroethane

Concen: 1.78 ug/l

RT: 2.69 min Scan# 342

Delta R.T. 0.01 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 6375

Ion Ratio Lower Upper

64 100

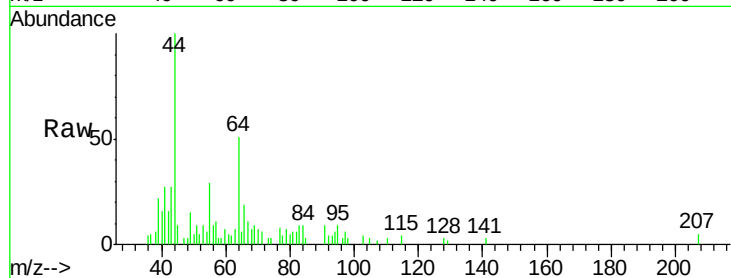
66 33.3 25.5 38.3

Manual Integrations

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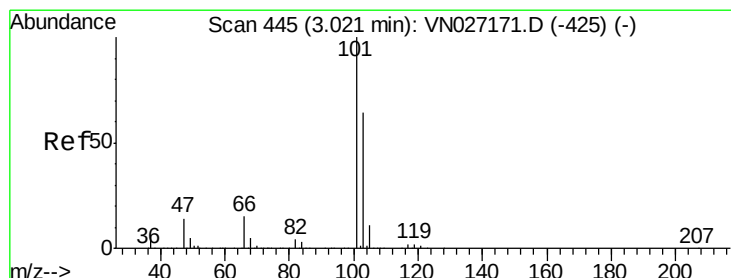
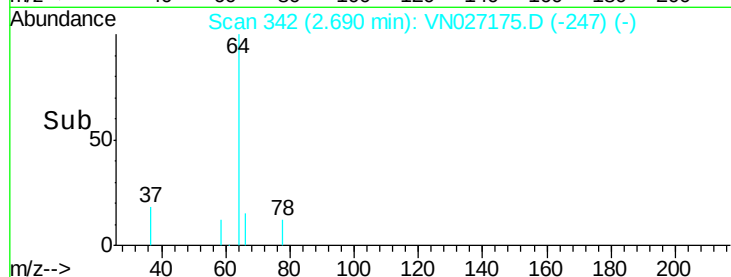
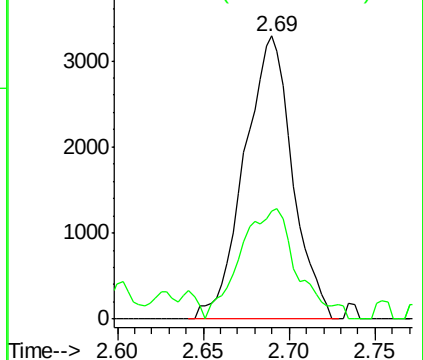
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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 1.73 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027175.D

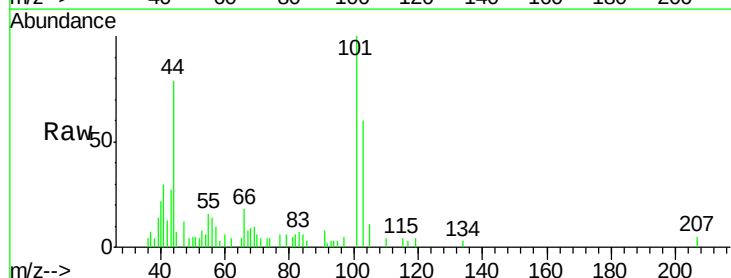
Acq: 15 Sep 2015 20:06

Tgt Ion:101 Resp: 13484

Ion Ratio Lower Upper

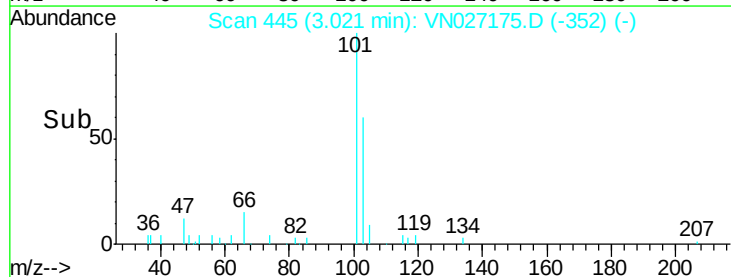
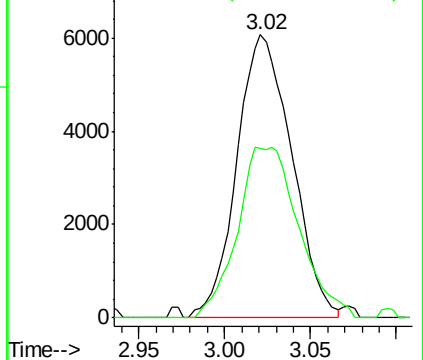
101 100

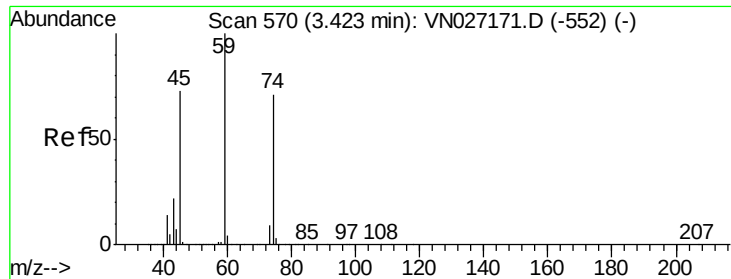
103 59.9 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

Diethyl Ether

Concen: 1.83 ug/l

RT: 3.43 min Scan# 572

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 6374

Ion Ratio Lower Upper

74 100

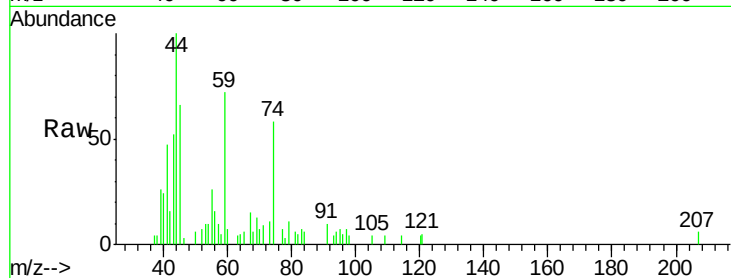
45 87.9 58.1 174.3

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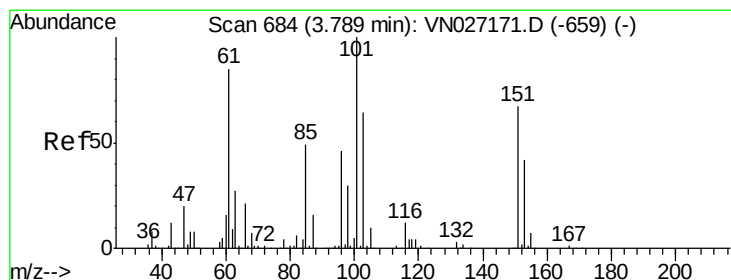
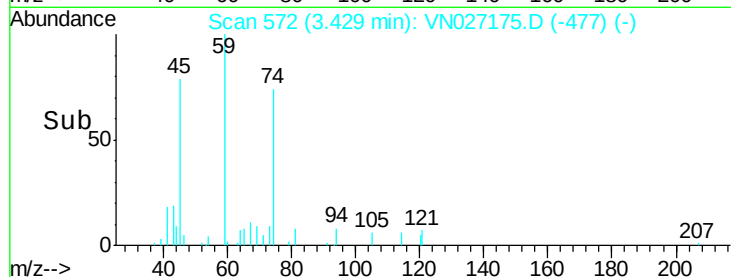
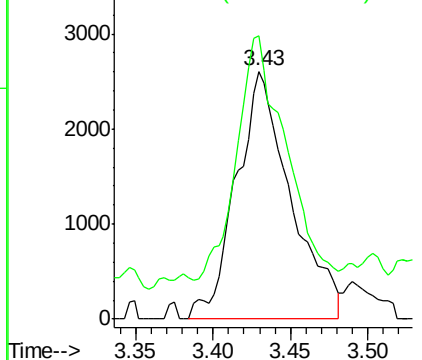
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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#10

1,1,2-Trichlorotrifluoroethane

Concen: 1.58 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

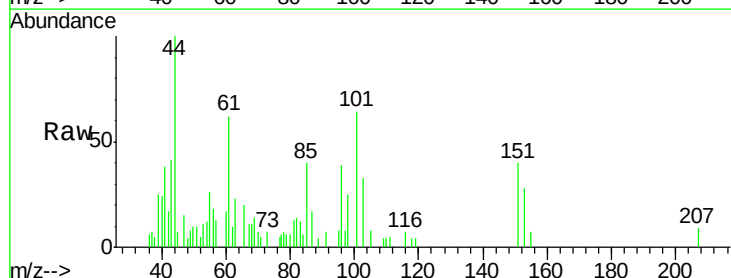
Tgt Ion: 101 Resp: 8432

Ion Ratio Lower Upper

101 100

85 43.1 37.4 56.0

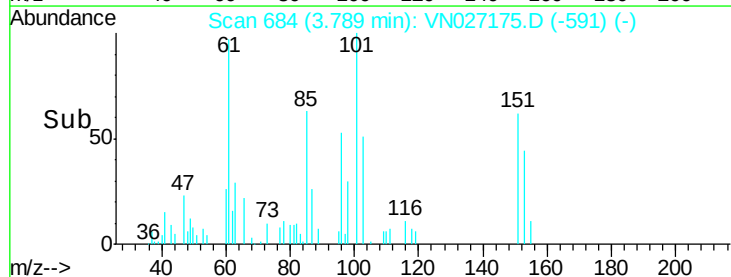
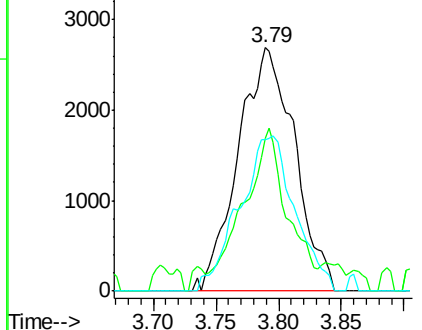
151 62.6 55.9 83.9

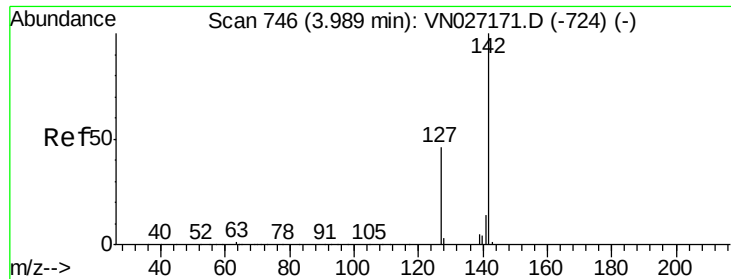


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





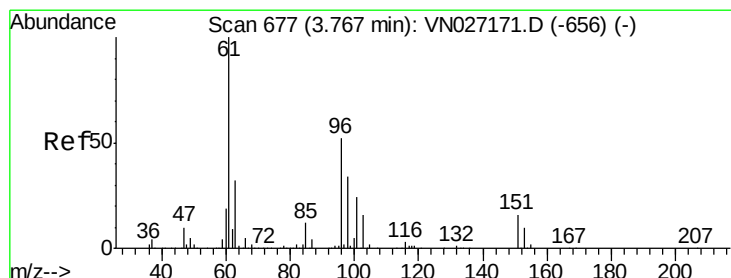
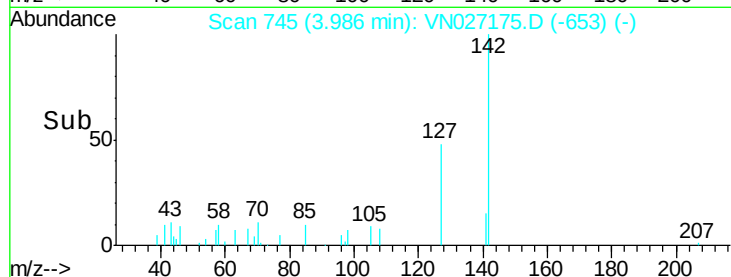
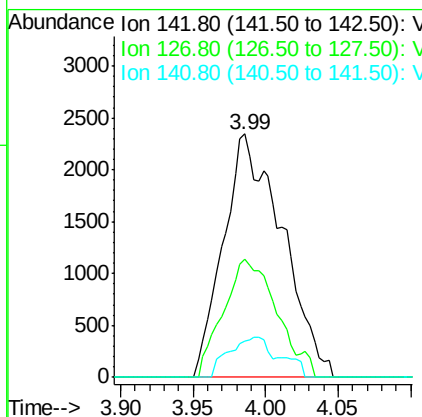
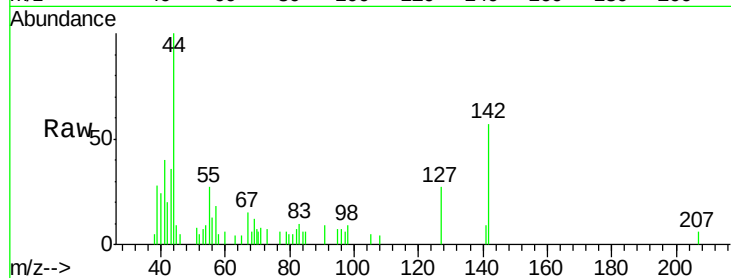
#11
Methvl Iodide
Concen: 1.07 ug/l
RT: 3.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.5	32.3	48.5
141	11.5	11.2	16.8

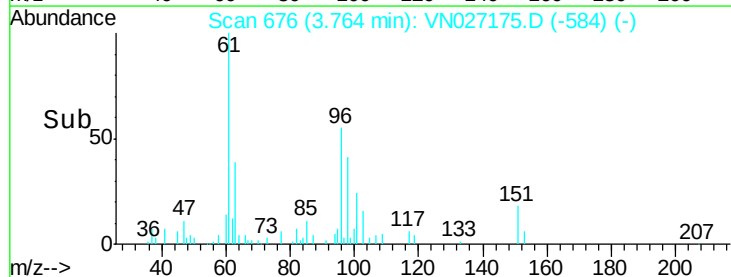
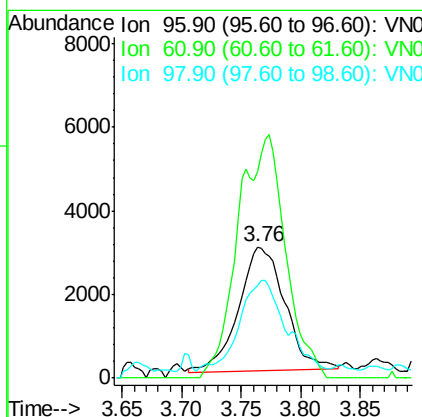
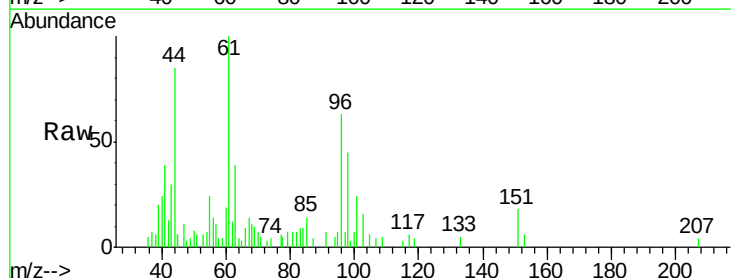
Manual Integrations
APPROVED

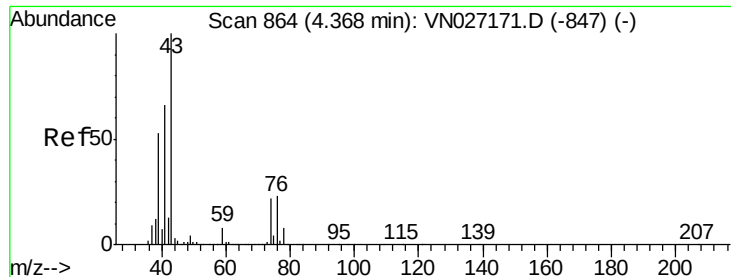
MMDadoda
9/16/2015 11:47:23 AM



#13
1,1-Dichloroethene
Concen: 1.57 ug/l
RT: 3.76 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	143.8	215.8
98	65.5	50.3	75.5





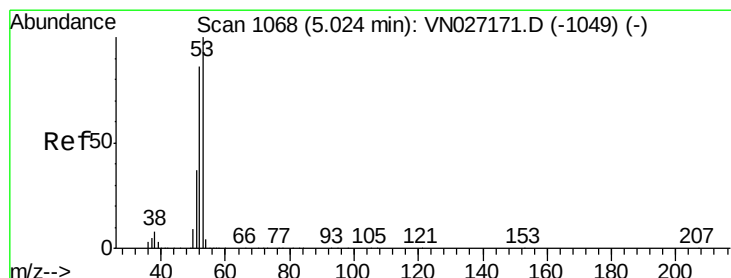
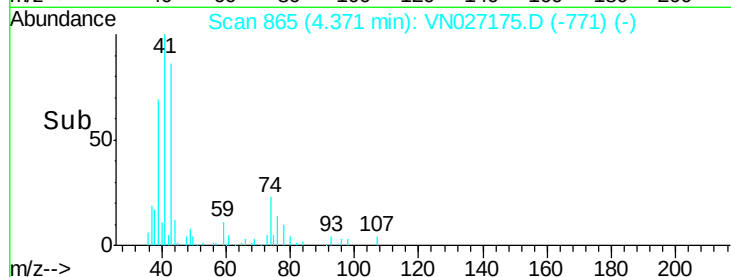
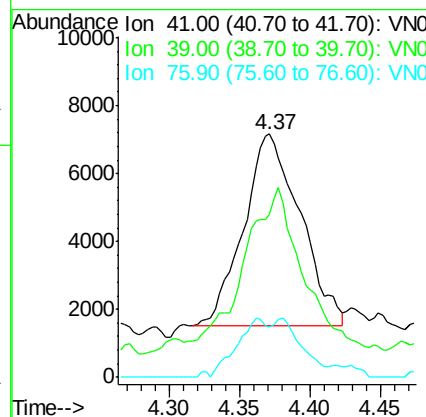
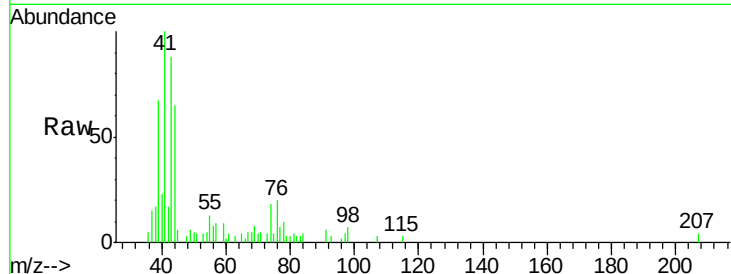
#15
Allvl chloride
Concen: 1.83 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.6	49.7	74.5#
76	17.5	24.8	37.2#

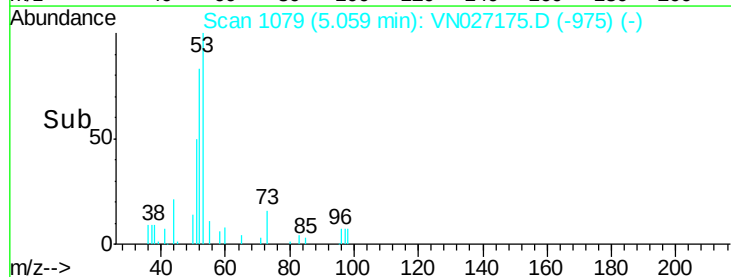
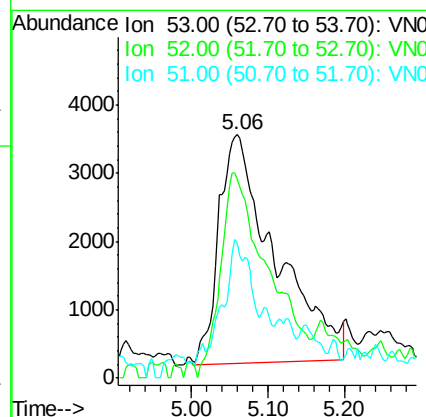
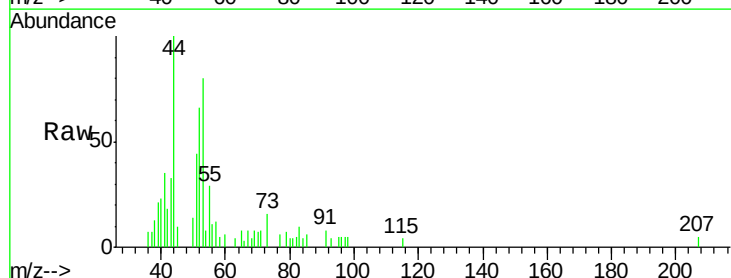
Manual Integrations
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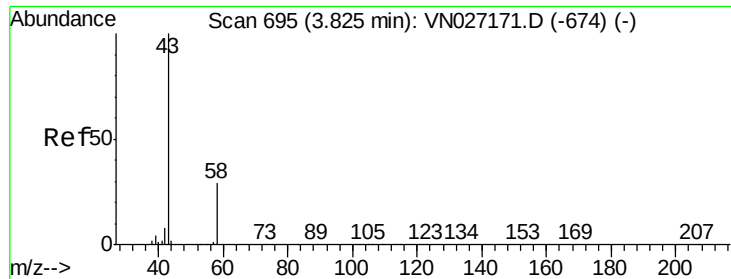
MMDadoda
9/16/2015 11:47:23 AM



#16
Acrylonitrile
Concen: 7.11 ug/l m
RT: 5.06 min Scan# 1079
Delta R.T. 0.04 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
53	100		
52	63.5	66.9	100.3#
51	20.5	27.4	41.0#





#17

Acetone

Concen: 5.69 ug/l

RT: 3.85 min Scan# 703

Delta R.T. 0.03 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 11913

Ion Ratio Lower Upper

43 100

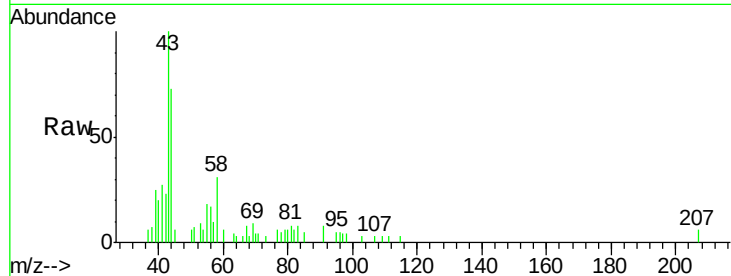
58 37.2 25.4 38.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

2000

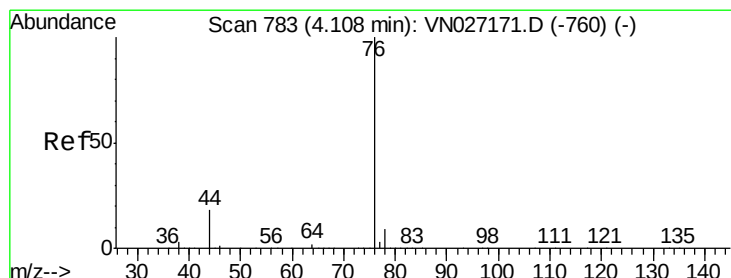
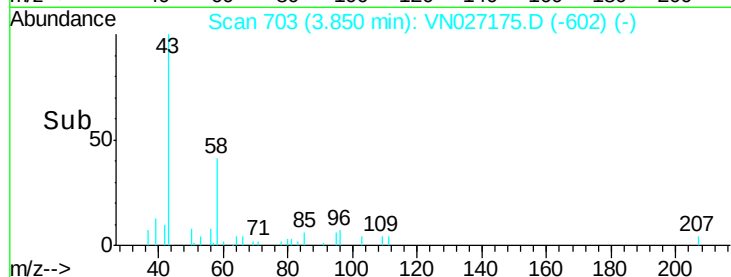
1000

0

Time-->

3.80 3.85 3.90

3.85



#18

Carbon Disulfide

Concen: 1.78 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027175.D

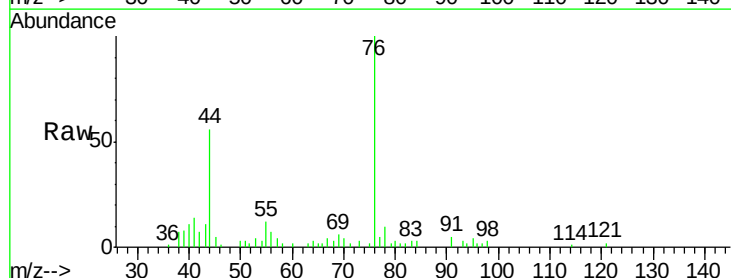
Acq: 15 Sep 2015 20:06

Tgt Ion: 76 Resp: 28541

Ion Ratio Lower Upper

76 100

78 7.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

12000

10000

8000

6000

4000

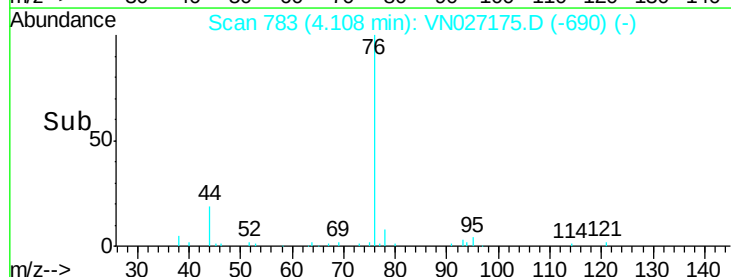
2000

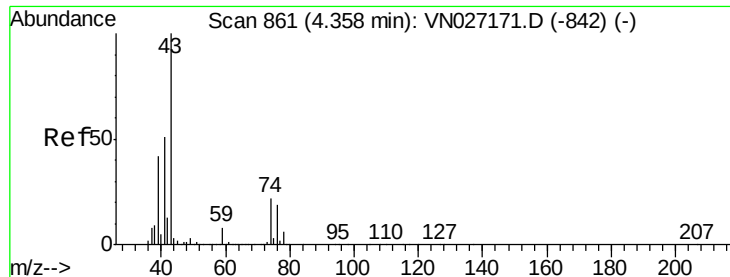
0

Time-->

4.00 4.10 4.20

4.11





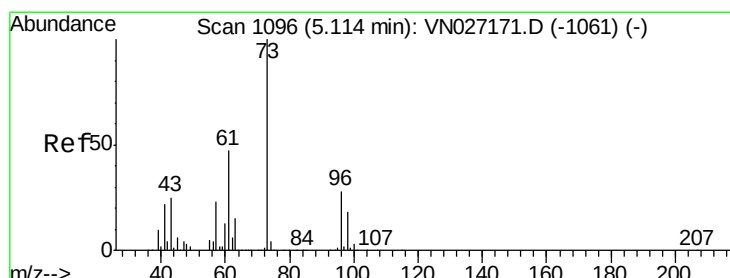
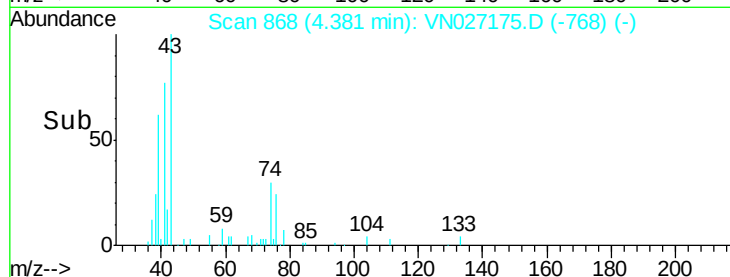
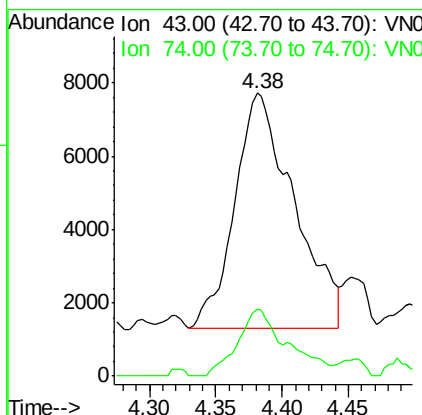
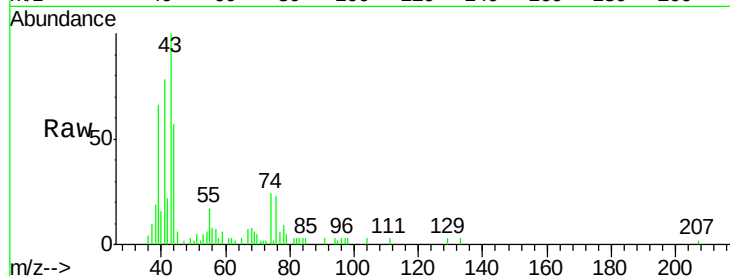
#19
Methyl Acetate
Concen: 1.45 ug/l
RT: 4.38 min Scan# 868
Delta R.T. 0.02 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
74	24.2	16.2	24.2

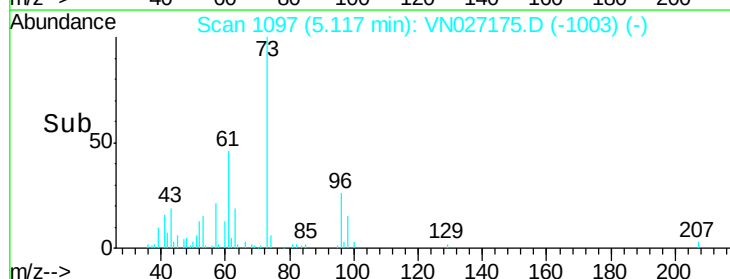
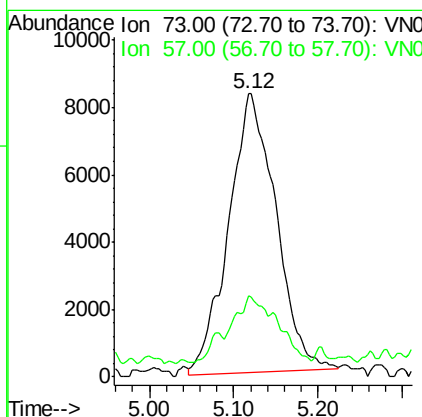
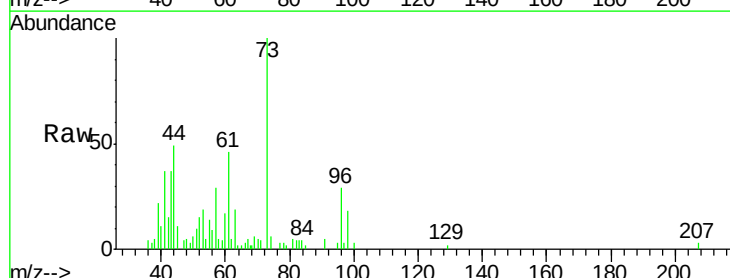
Manual Integrations
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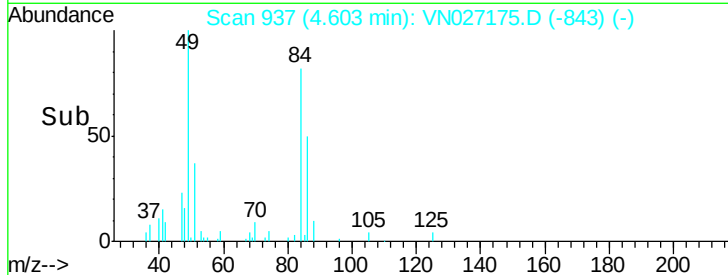
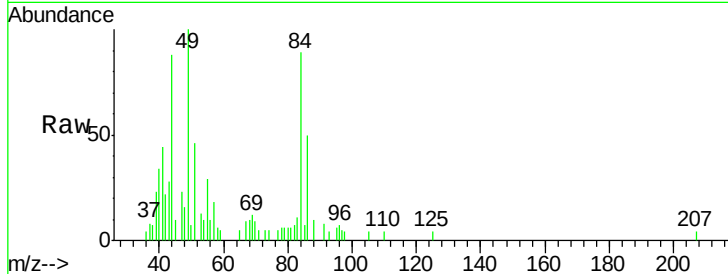
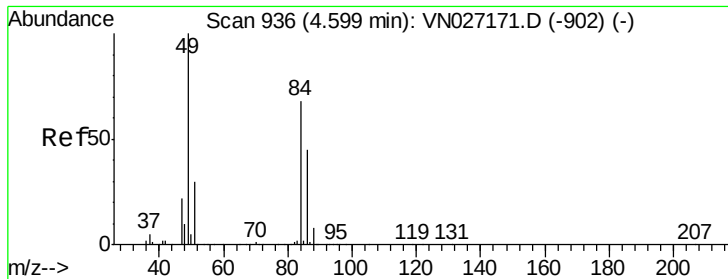
MMDadoda
9/16/2015 11:47:23 AM



#20
Methyl tert-butyl Ether
Concen: 1.86 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.8	29.6





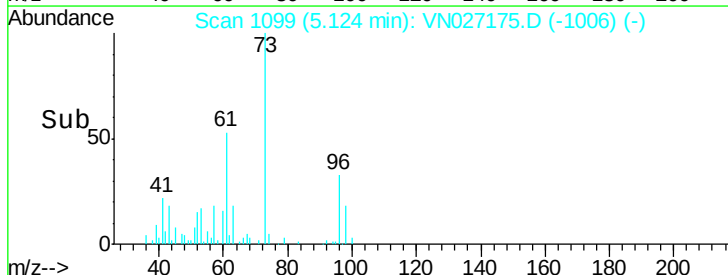
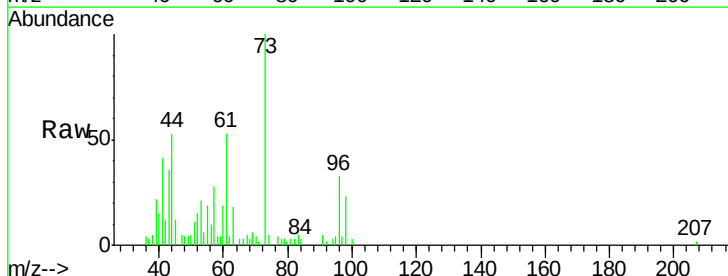
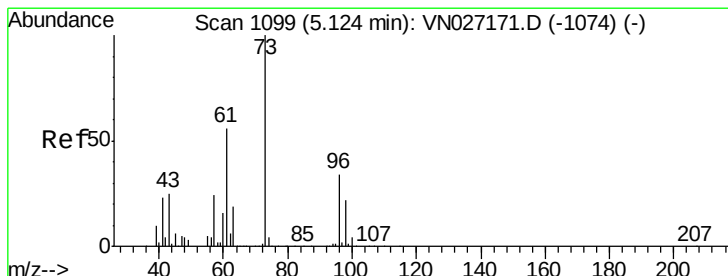
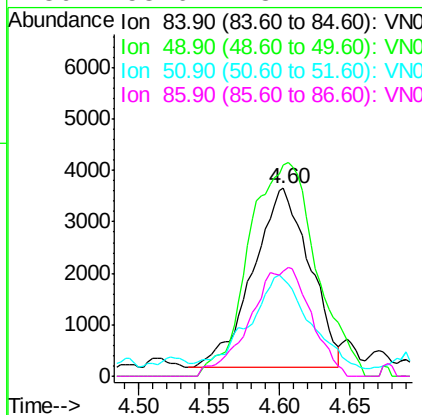
#21
Methylene Chloride
Concen: 1.57 ug/l
RT: 4.60 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tot Ion:	84	Resp:	9813
Ion	Ratio	Lower	Upper
84	100		
49	117.9	112.3	168.5
51	46.8	33.8	50.8
86	58.6	48.2	72.4

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

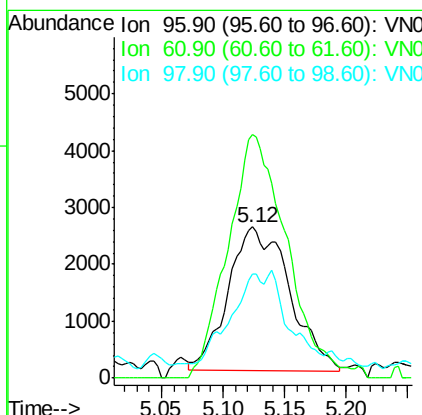
Manual Integrations
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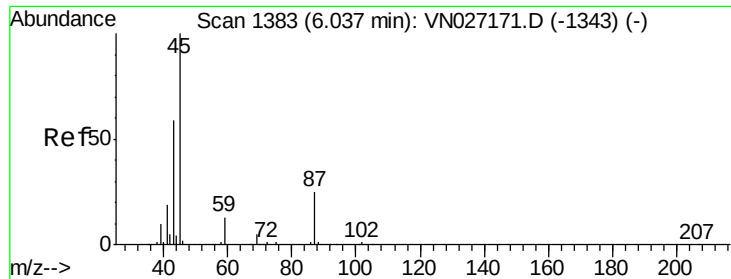
MMDadoda
9/16/2015 11:47:23 AM



#22
trans-1,2-Dichloroethene
Concen: 1.53 ug/l m
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion:	96	Resp:	8774
Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	189.8
98	69.2	47.4	71.2





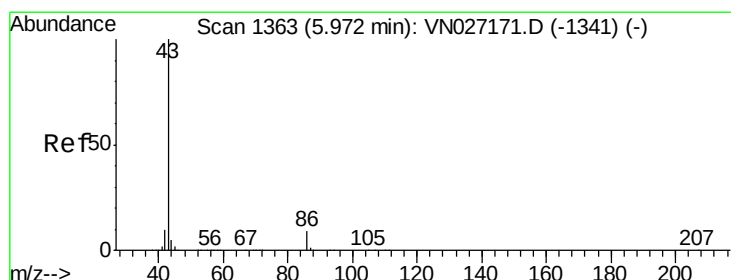
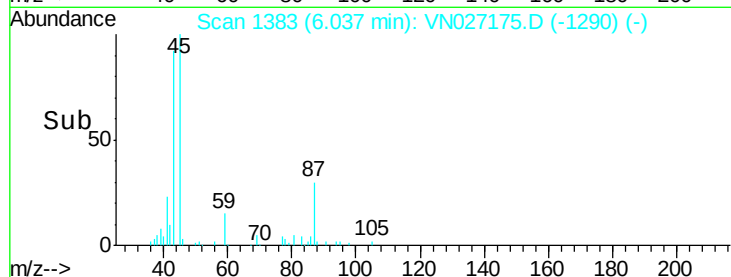
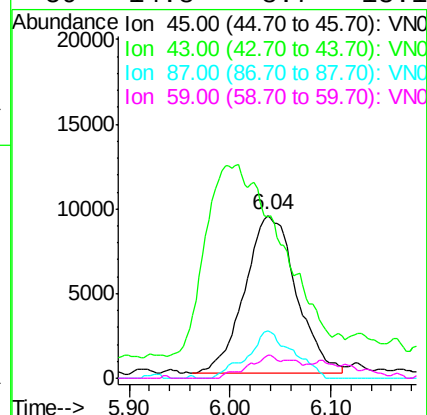
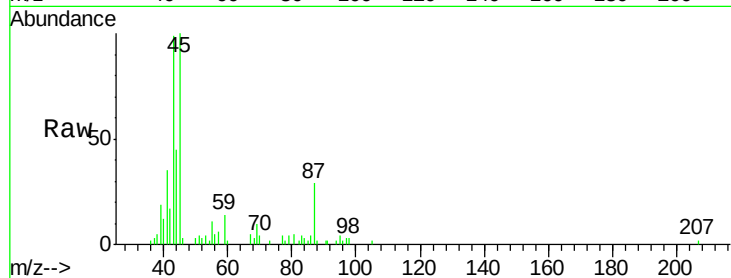
#23
Diisopropyl ether
Concen: 1.76 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	75.1	41.0	61.6#
87	29.8	17.5	26.3#
59	14.8	8.7	13.1#

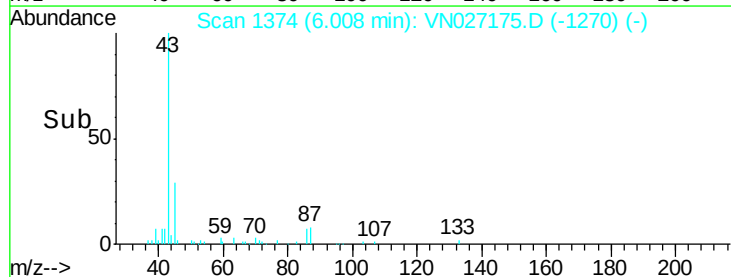
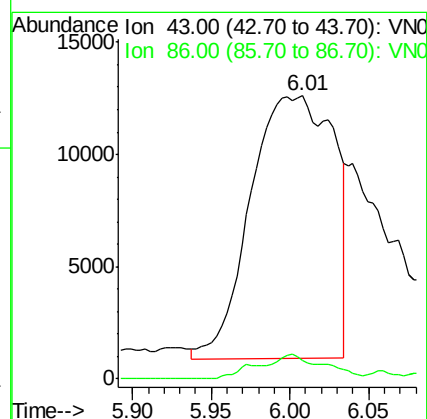
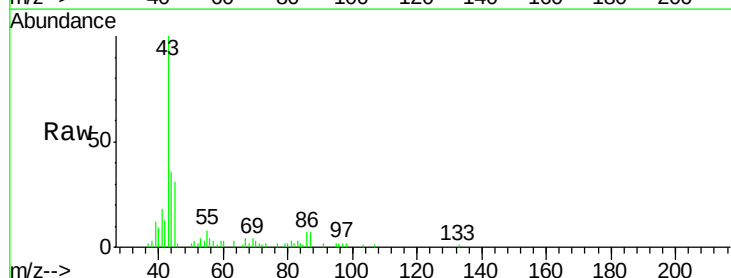
Manual Integrations
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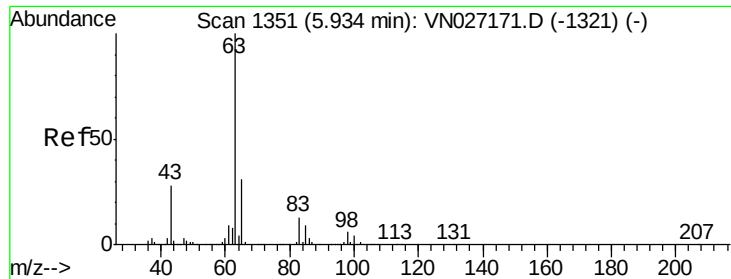
MMDadoda
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#24
Vinyl Acetate
Concen: 7.59 ug/l m
RT: 6.01 min Scan# 1374
Delta R.T. 0.04 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.9	10.3#





#25

1,1-Dichloroethane

Concen: 1.89 ug/l

RT: 5.94 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

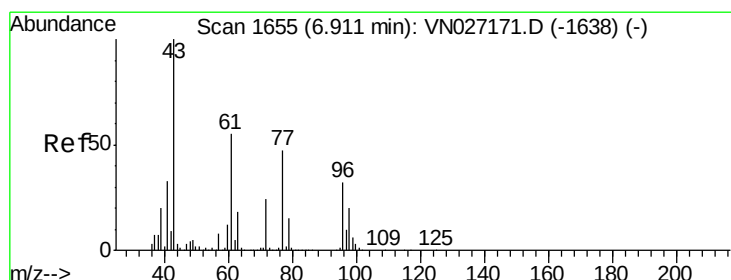
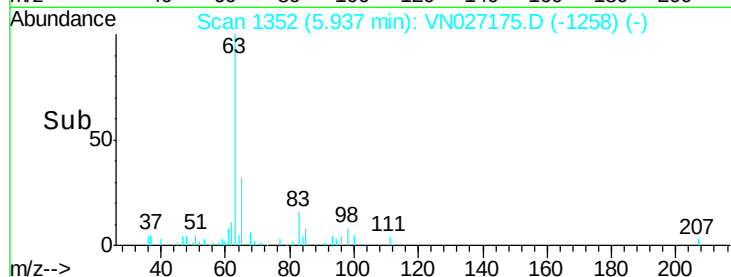
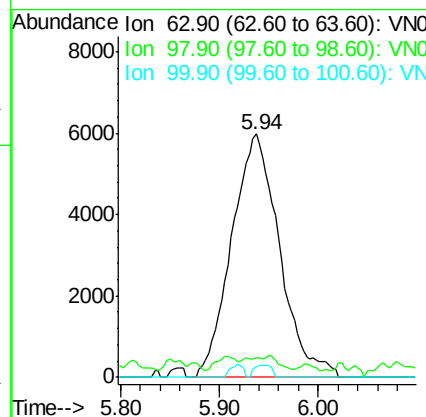
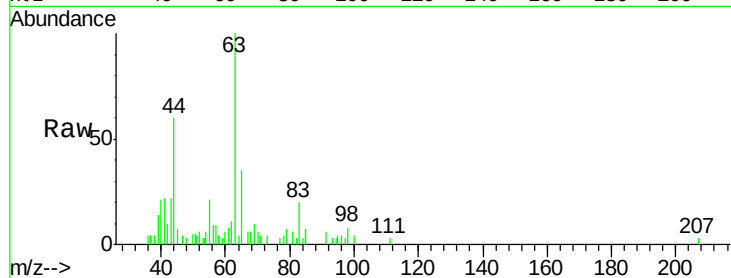
ClientSampleId :

VSTDIC001

Tot Ion	63	Resp	20147
Ion	Ratio	Lower	Upper
63	100		
98	2.2	2.8	8.3#
100	4.4	1.7	5.0

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#26

2-Butanone

Concen: 6.80 ug/l

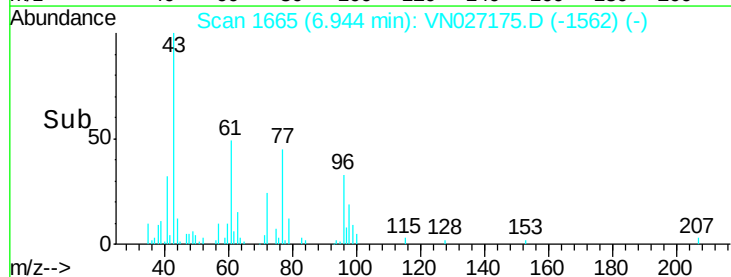
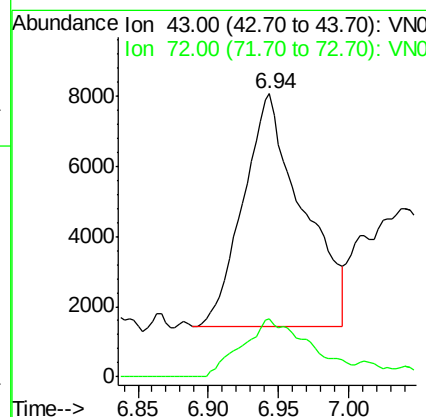
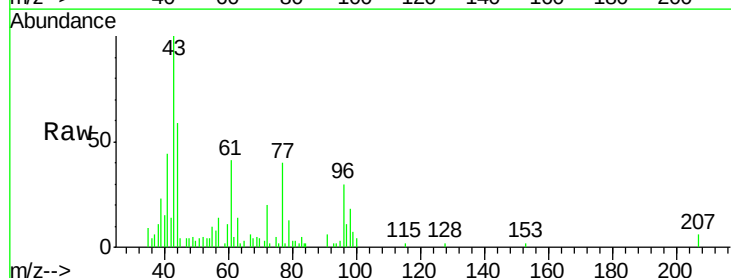
RT: 6.94 min Scan# 1665

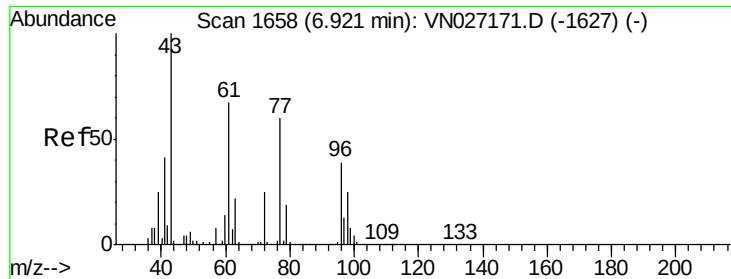
Delta R.T. 0.03 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion	43	Resp	19549
Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.8	28.2





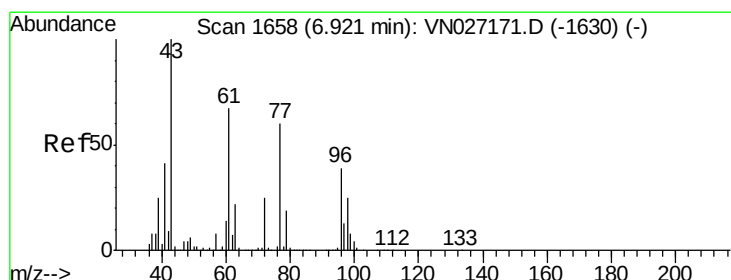
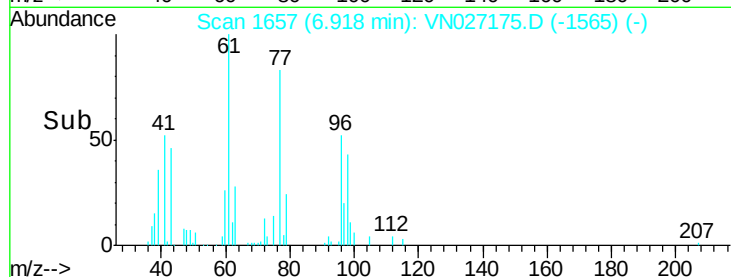
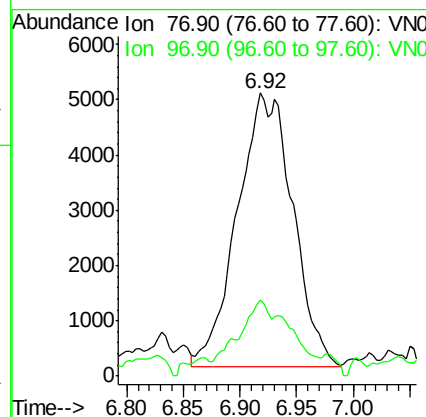
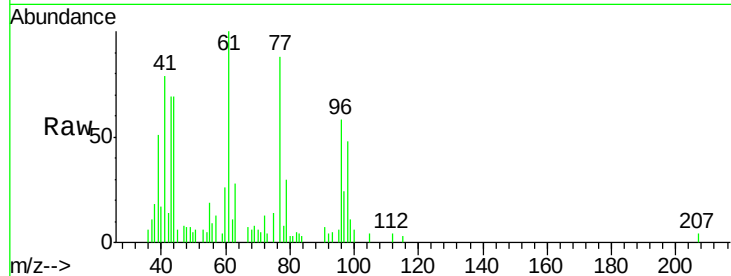
#27
 2,2-Dichloropropane
 Concen: 1.99 ug/l m
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 16763
 Ion Ratio Lower Upper
 77 100
 97 11.1 11.8 35.3#

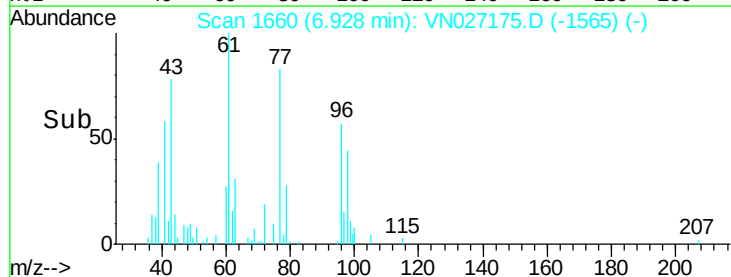
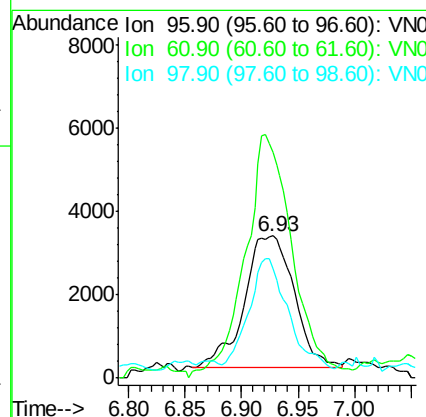
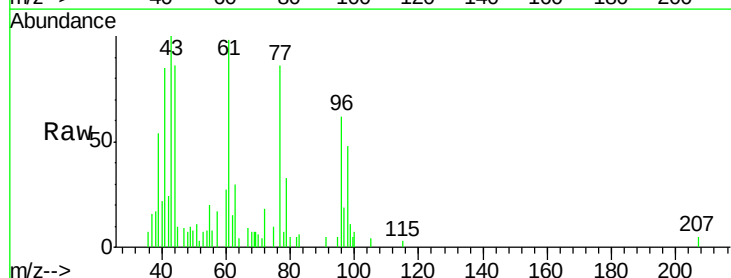
Manual Integrations
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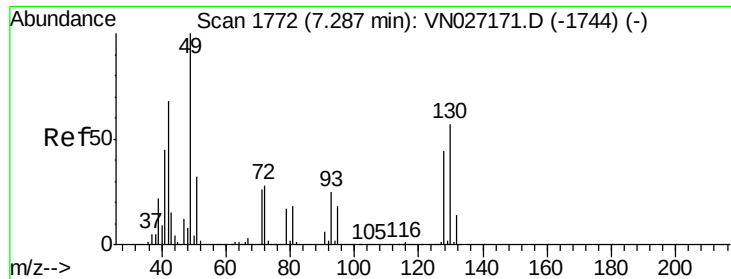
MMDadoda
 9/16/2015 11:47:23 AM



#28
 cis-1,2-Dichloroethene
 Concen: 1.44 ug/l
 RT: 6.93 min Scan# 1660
 Delta R.T. 0.01 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion: 96 Resp: 9659
 Ion Ratio Lower Upper
 96 100
 61 177.0 0.0 329.2
 98 66.4 0.0 126.0





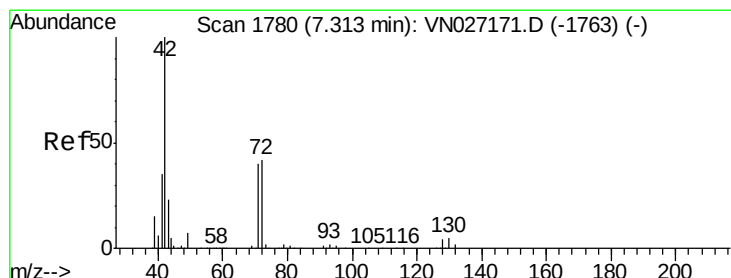
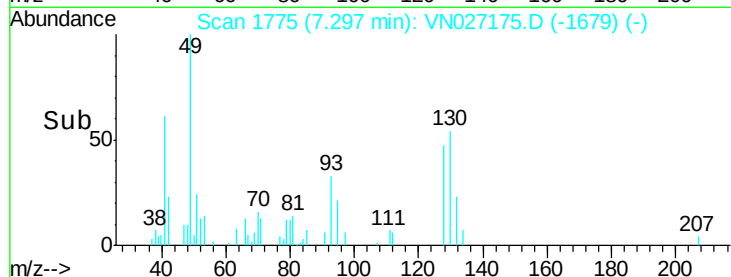
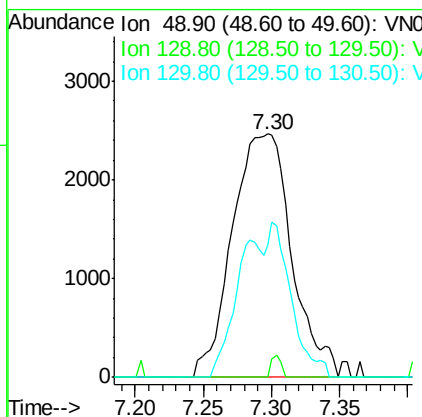
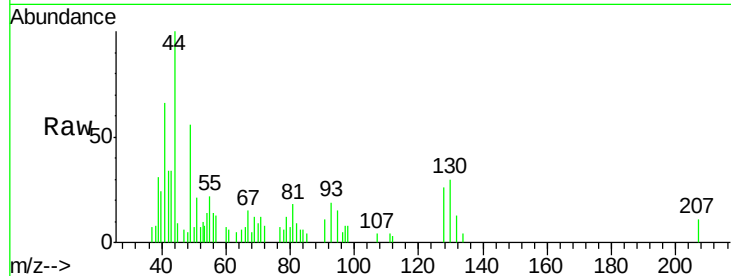
#29
Bromochloromethane
Concen: 1.45 ug/l
RT: 7.30 min Scan# 1775
Delta R.T. 0.01 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 7472
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.2
130 27.3 43.2 64.8#

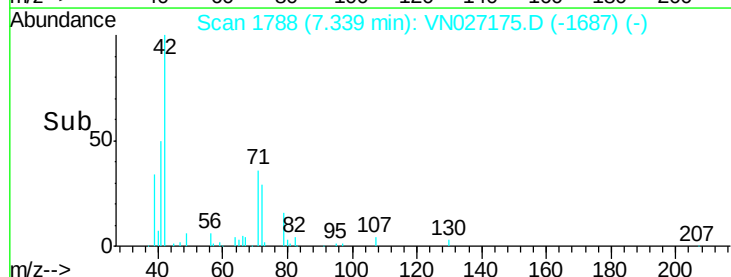
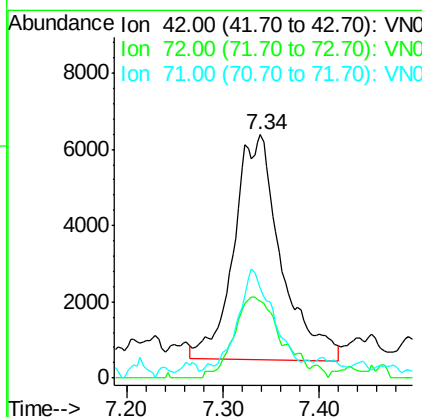
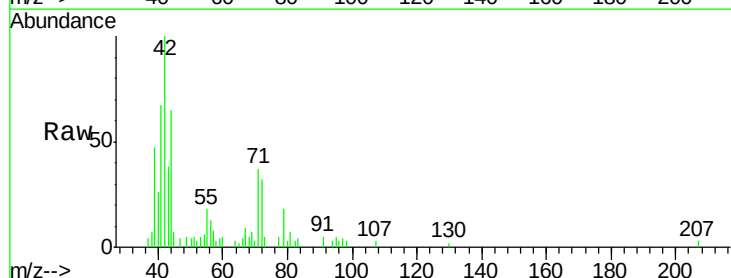
Manual Integrations
APPROVED

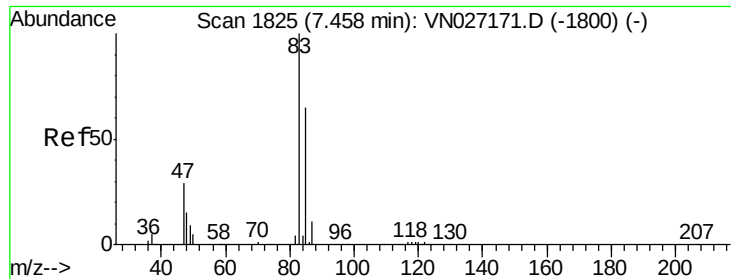
MMDadoda
9/16/2015 11:47:23 AM



#30
Tetrahydrofuran
Concen: 10.57 ug/l m
RT: 7.34 min Scan# 1788
Delta R.T. 0.03 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion: 42 Resp: 19972
Ion Ratio Lower Upper
42 100
72 35.9 29.9 44.9
71 33.2 28.3 42.5





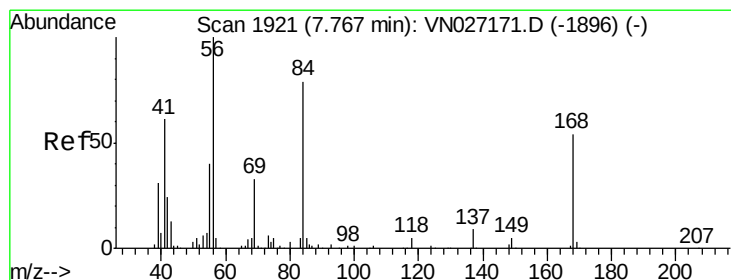
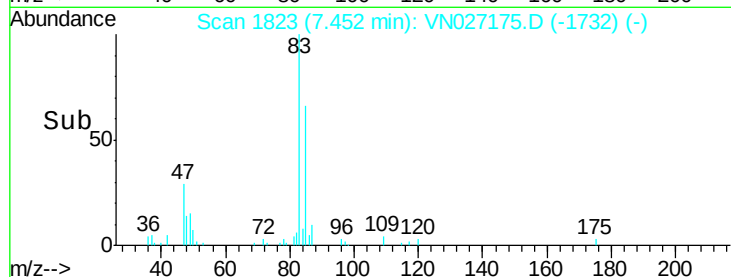
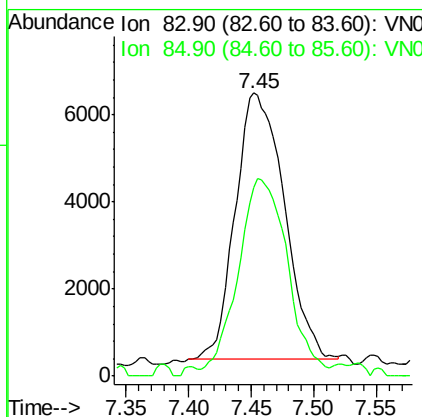
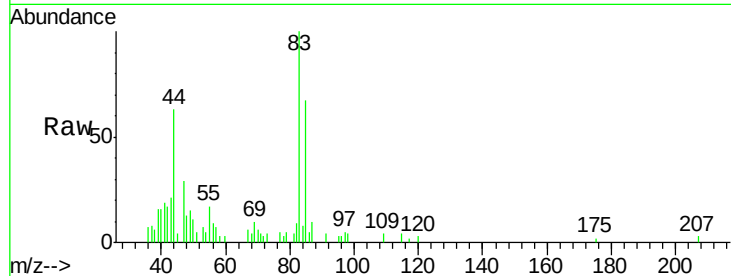
#31
Chloroform
Concen: 1.54 ug/l
RT: 7.45 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	16555
Ion Ratio	100	Lower	Upper
85	67.1	51.1	76.7

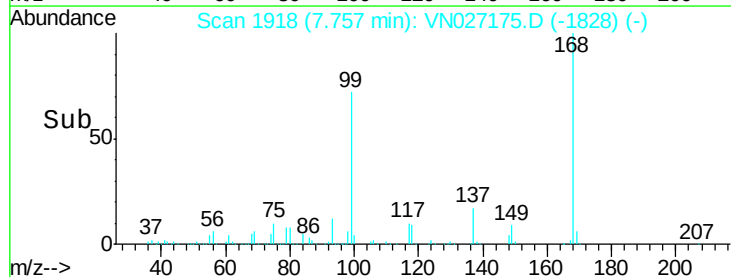
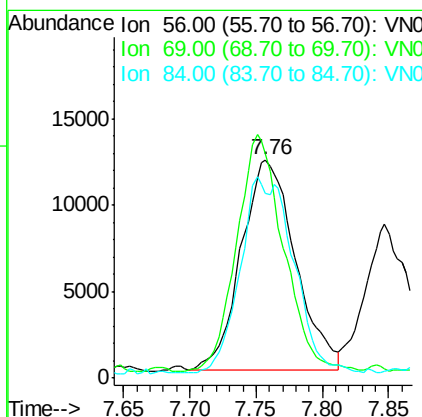
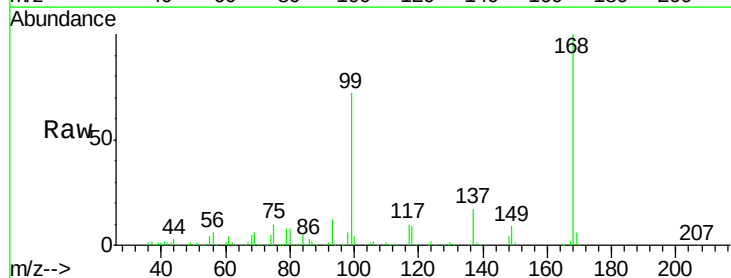
Manual Integrations
APPROVED

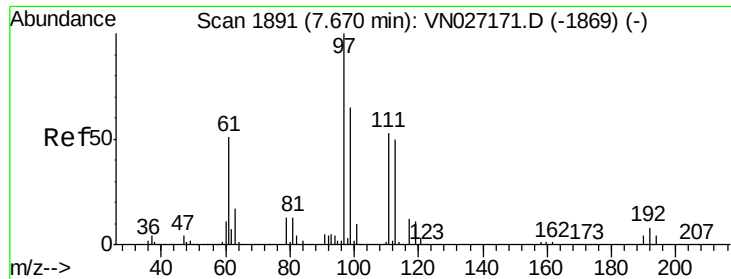
MMDadoda
9/16/2015 11:47:23 AM



#32
Cyclohexane
Concen: 2.78 ug/l
RT: 7.76 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	56	Resp	34849
Ion Ratio	100	Lower	Upper
69	102.6	23.0	34.4#
84	85.2	57.8	86.8





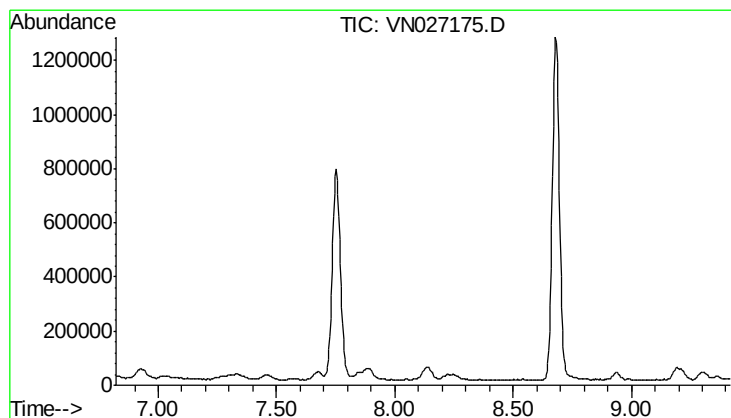
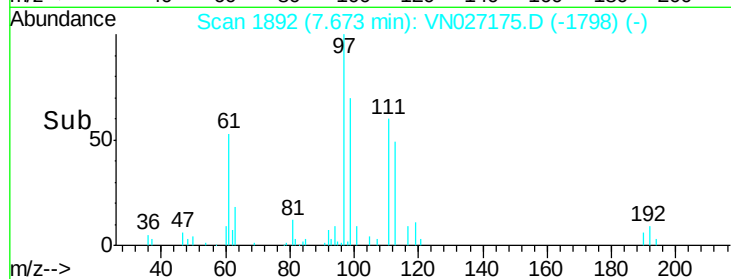
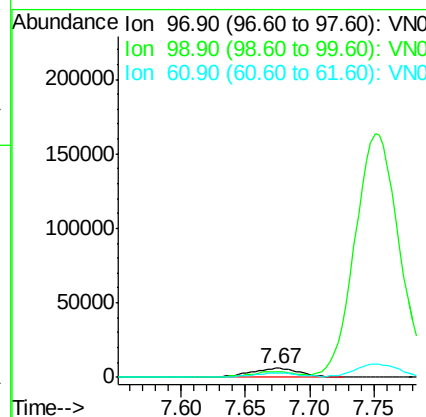
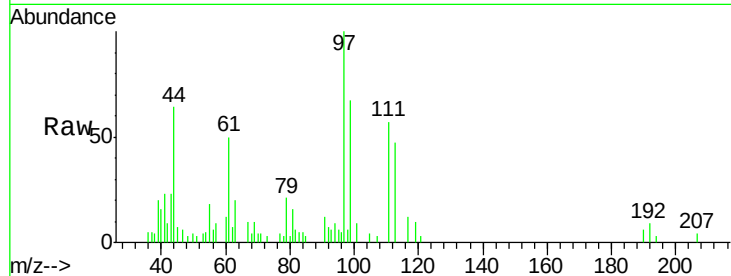
#33
 1,1,1-Trichloroethane
 Concen: 1.71 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		15570		
99	0.0	50.1	75.1#		
61	50.2	44.0	66.0		

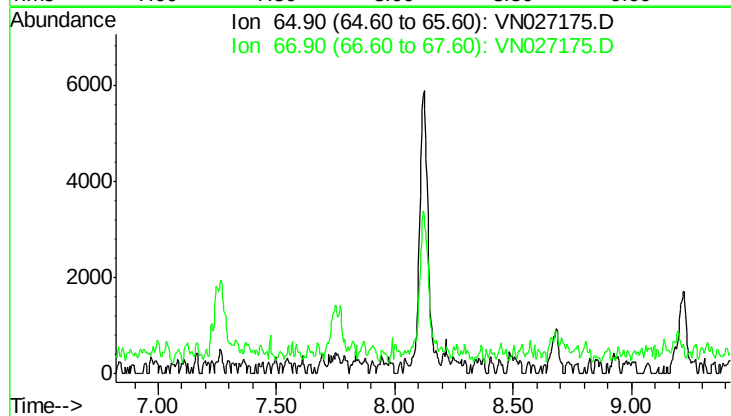
Manual Integrations
 APPROVED

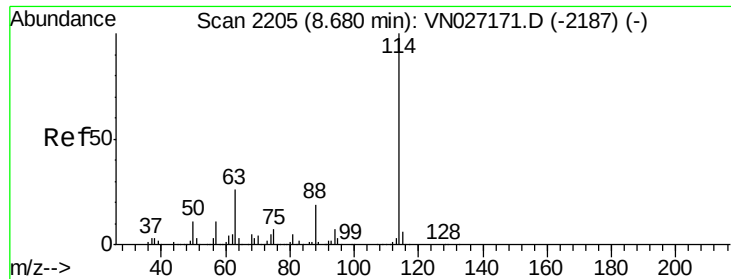
MMDadoda
 9/16/2015 11:47:23 AM



#34
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 8.12 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Sig	Exp Ratio
65	100	
67	55.3	





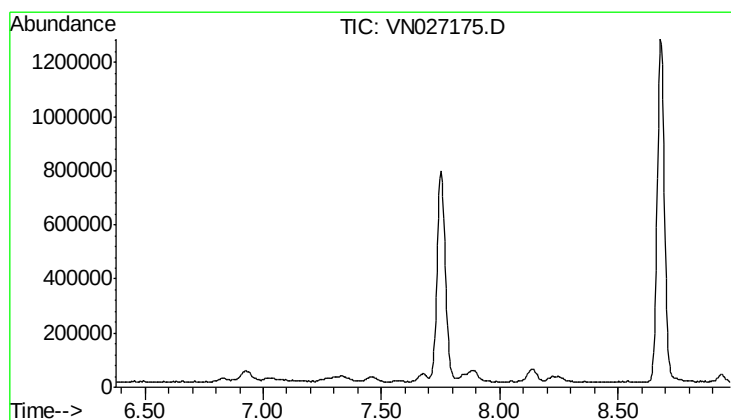
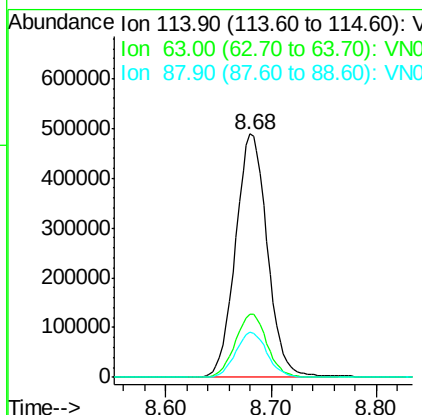
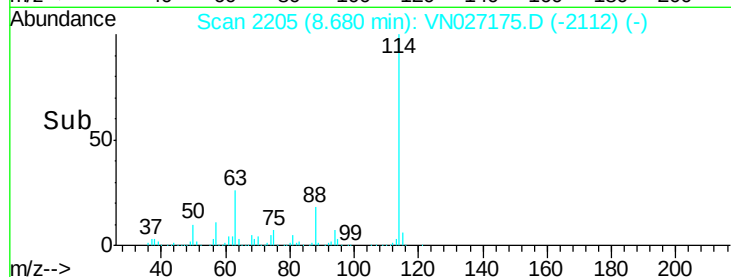
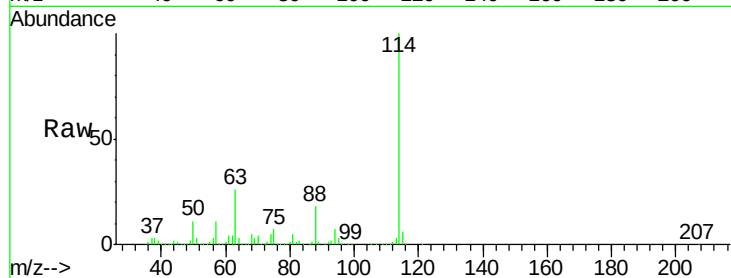
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1022944		
63	25.8		0.0	48.8
88	18.3		0.0	32.2

Manual Integrations
 APPROVED

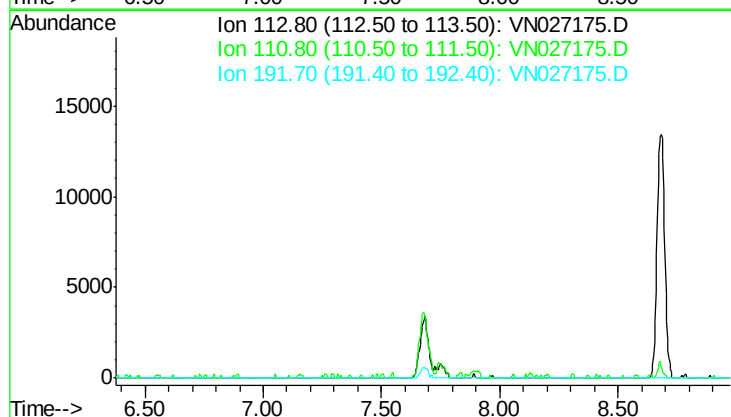
MMDadoda
 9/16/2015 11:47:23 AM

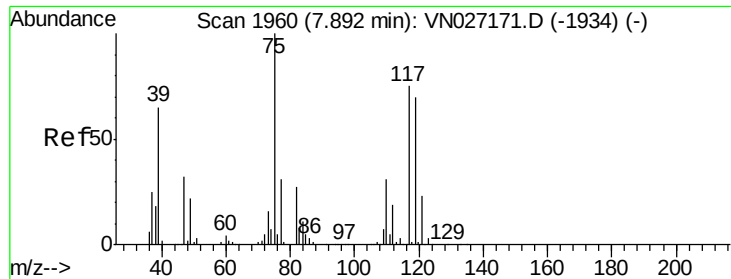


#36
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.68 min

Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Exp Ratio
113	100
111	103.7
192	17.6





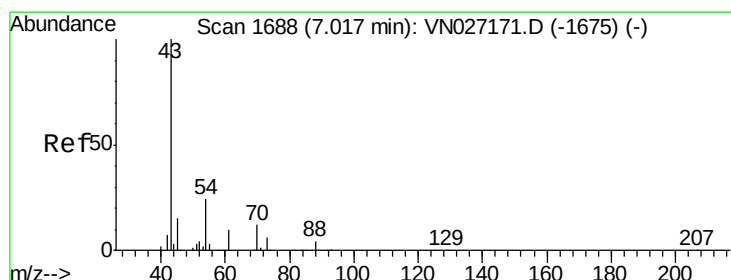
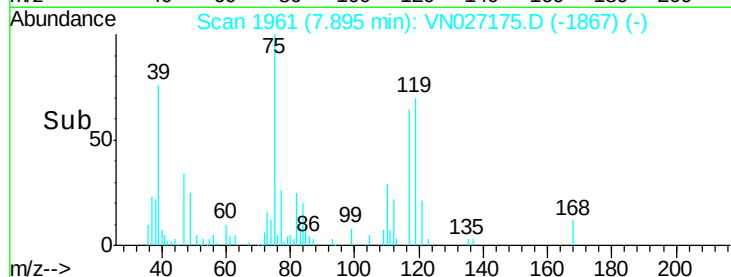
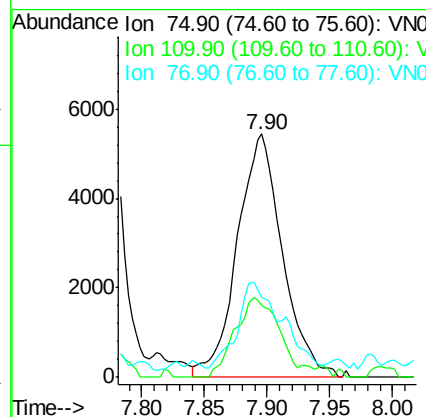
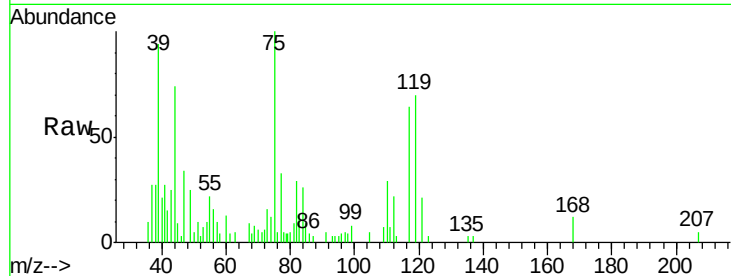
#37
 1,1-Dichloropropene
 Concen: 1.42 ug/l
 RT: 7.90 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.9	47.7
77	33.5	24.9	37.3

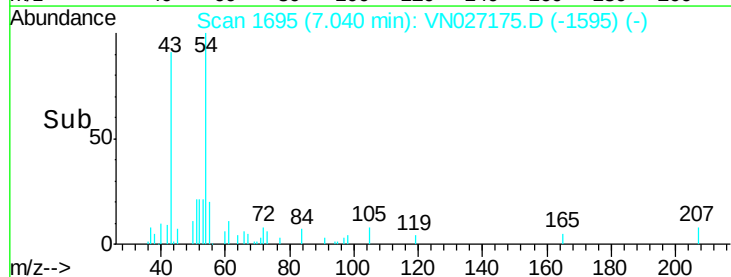
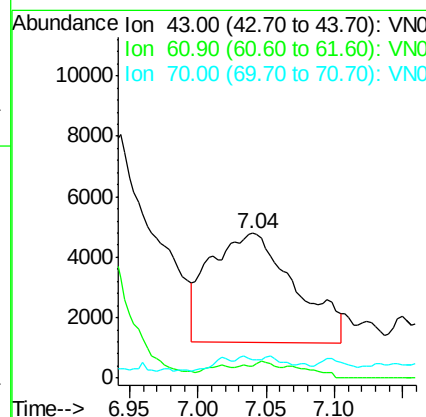
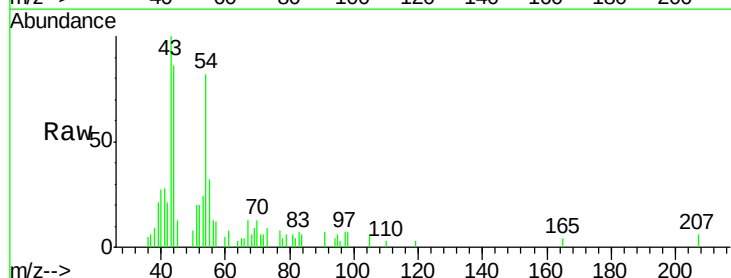
Manual Integrations
 APPROVED

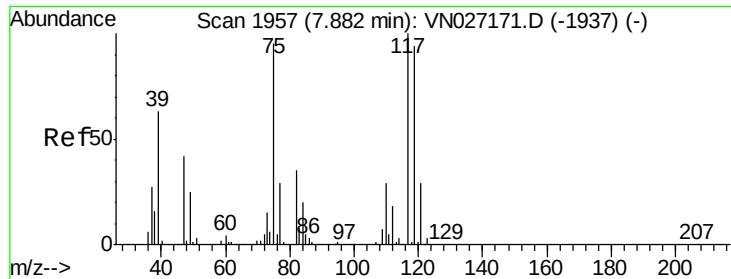
MMDadoda
 9/16/2015 11:47:23 AM



#38
 Ethyl Acetate
 Concen: 2.29 ug/l m
 RT: 7.04 min Scan# 1695
 Delta R.T. 0.02 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.4#
70	2.7	7.4	11.0#





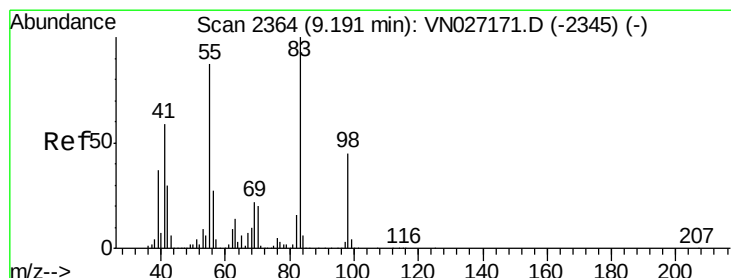
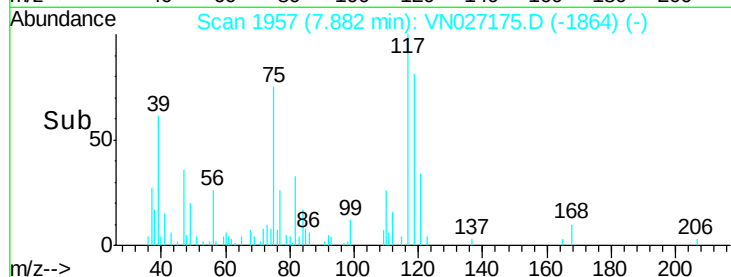
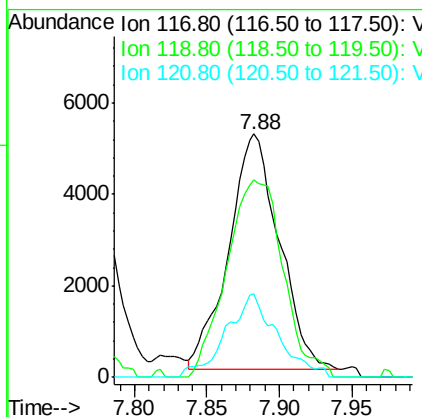
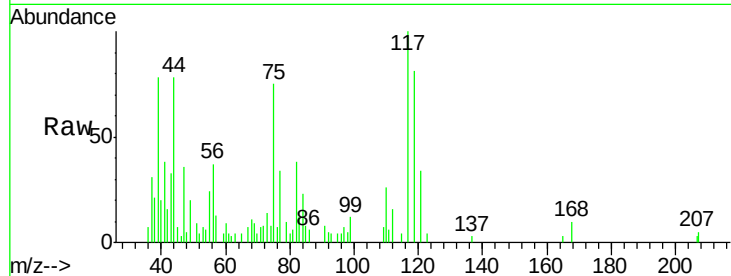
#39
Carbon Tetrachloride
Concen: 1.38 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	84.0	75.3	112.9
121	35.3	23.8	35.8

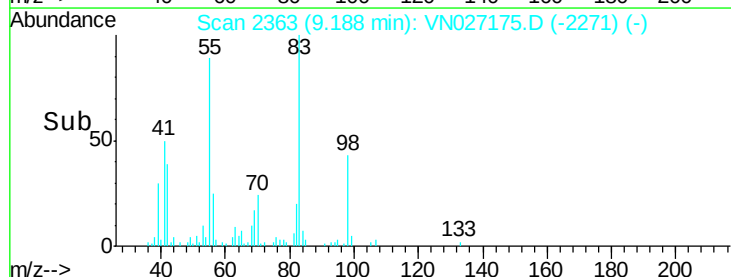
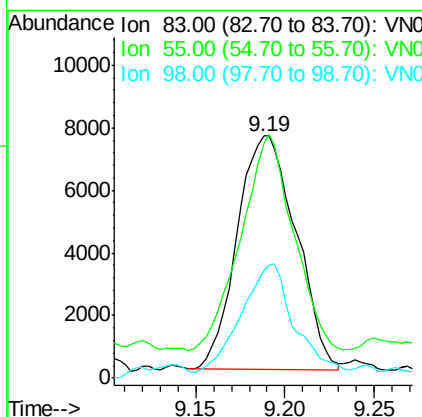
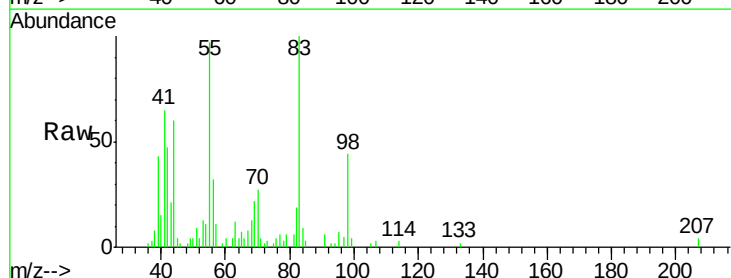
Manual Integrations
APPROVED

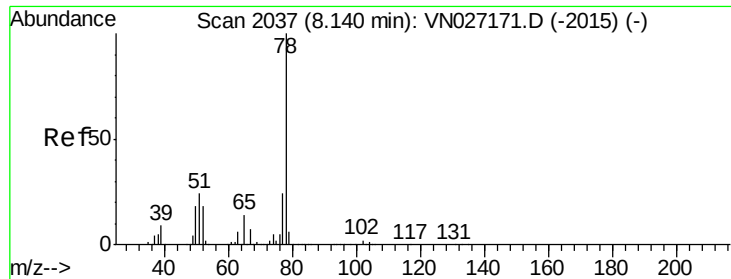
MMDadoda
9/16/2015 11:47:23 AM



#40
Methylcyclohexane
Concen: 1.48 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.7	69.8	104.8
98	43.1	34.3	51.5





#41

Benzene

Concen: 1.35 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 40073

Ion Ratio Lower Upper

78 100

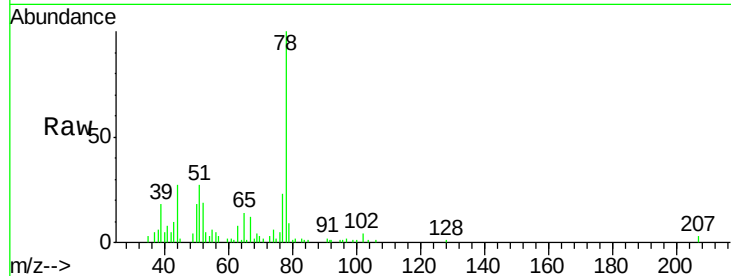
77 21.8 19.0 28.4

Manual Integrations

APPROVED

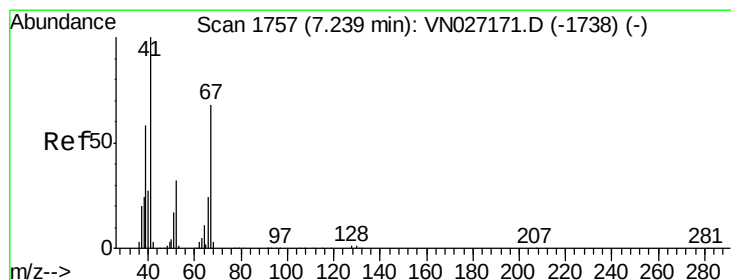
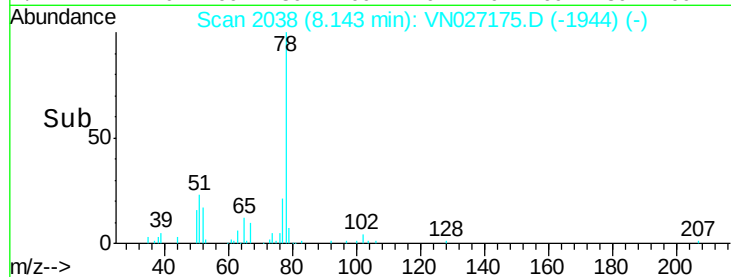
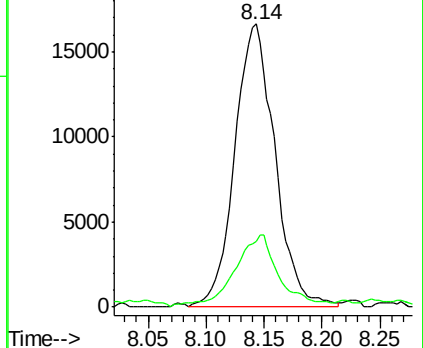
MMDadoda

9/16/2015 11:47:23 AM



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC



#42

Methacrylonitrile

Concen: 1.23 ug/l

RT: 7.26 min Scan# 1764

Delta R.T. 0.02 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion: 41 Resp: 5429

Ion Ratio Lower Upper

41 100

39 65.5 43.0 64.6#

67 17.7 52.2 78.2#

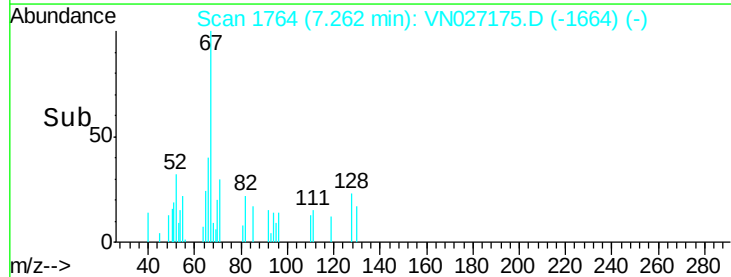
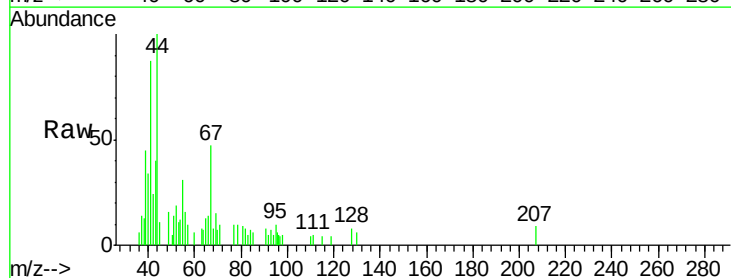
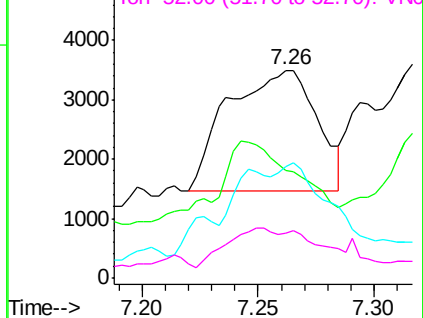
52 18.7 21.3 31.9#

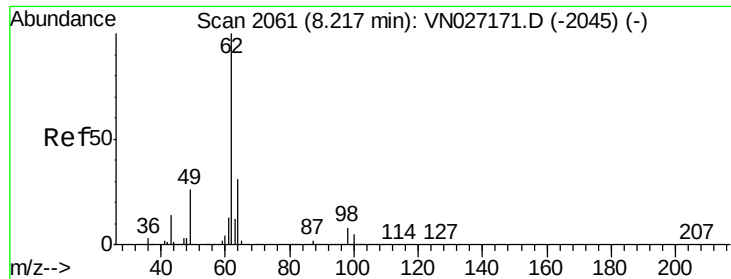
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





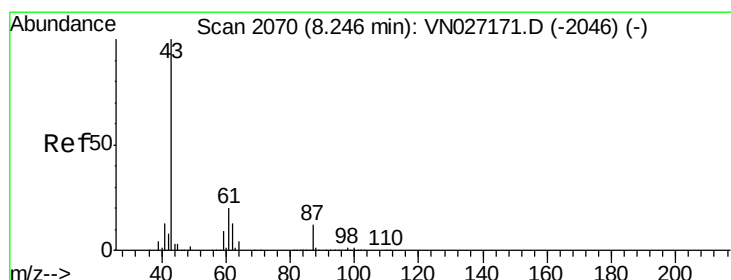
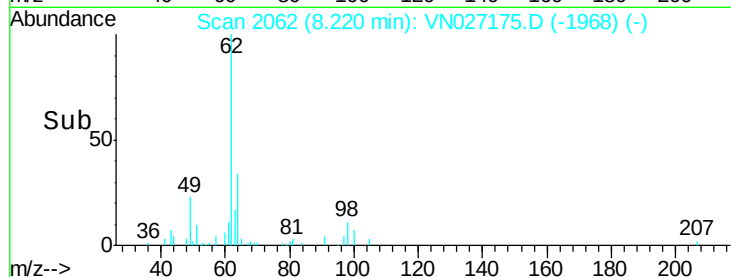
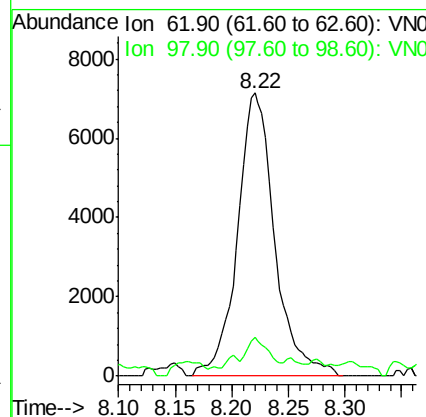
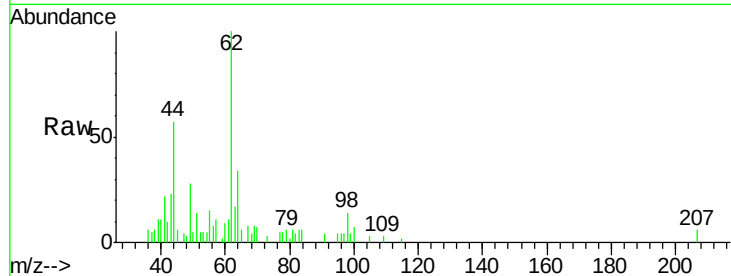
#43
 1,2-Dichloroethane
 Concen: 1.61 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	16382		
98	7.4	0.0	18.0	

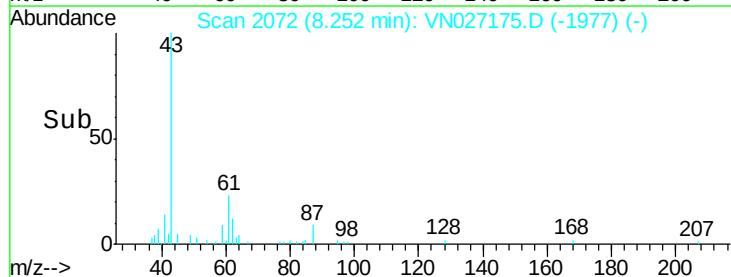
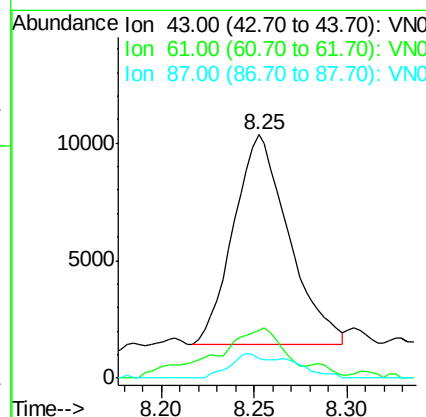
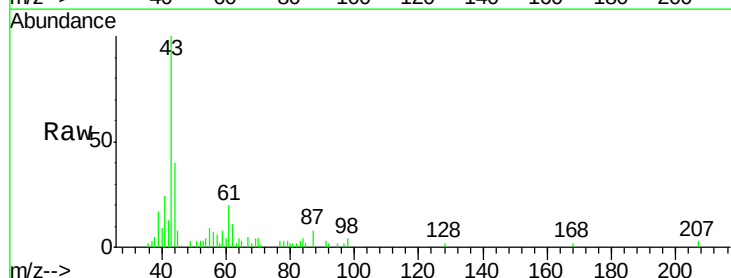
Manual Integrations
 APPROVED

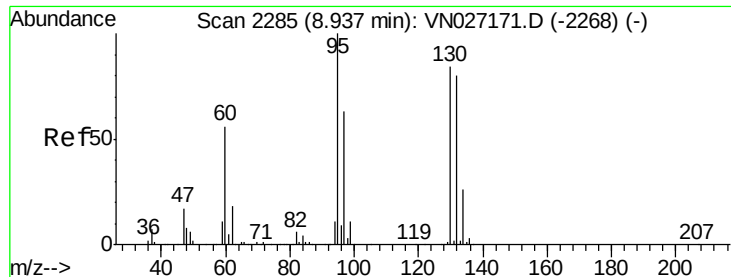
MMDadoda
 9/16/2015 11:47:23 AM



#44
 Isopropyl Acetate
 Concen: 1.51 ug/l
 RT: 8.25 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	18576		
61	29.7	20.6	31.0	
87	7.5	8.6	13.0#	





#45

Trichloroethene

Concen: 1.07 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 7725

Ion Ratio Lower Upper

130 100

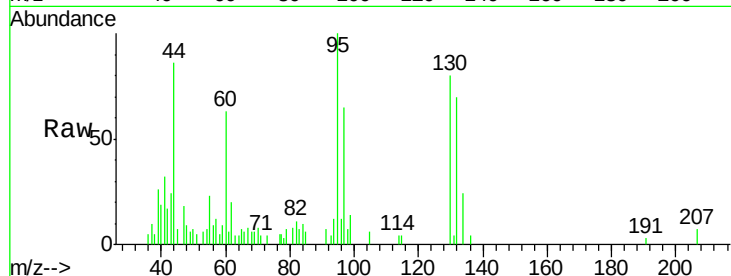
95 118.5 0.0 222.2

Manual Integrations

APPROVED

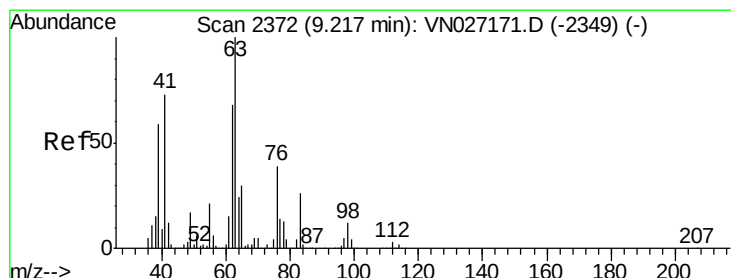
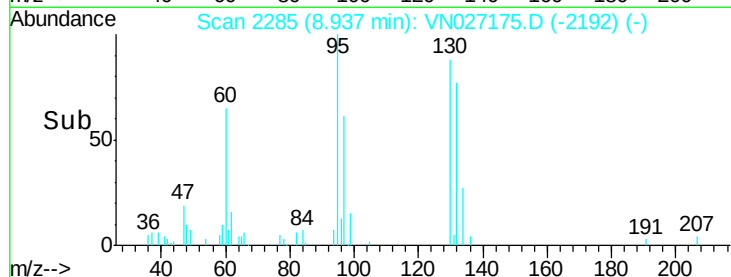
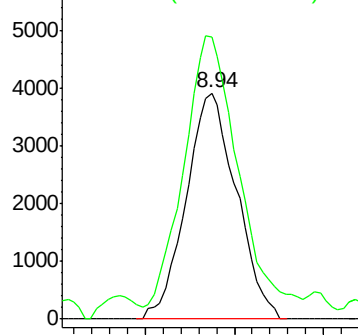
MMDadoda

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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: 1.58 ug/l

RT: 9.22 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN027175.D

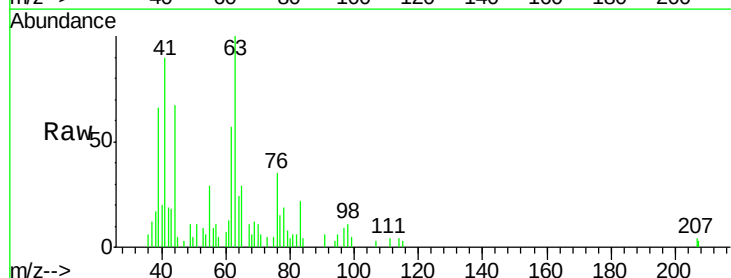
Acq: 15 Sep 2015 20:06

Tgt Ion: 63 Resp: 12172

Ion Ratio Lower Upper

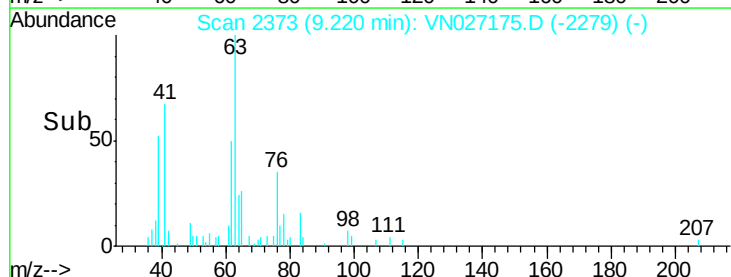
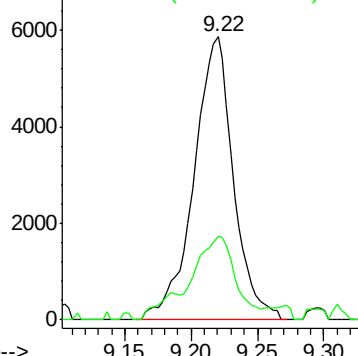
63 100

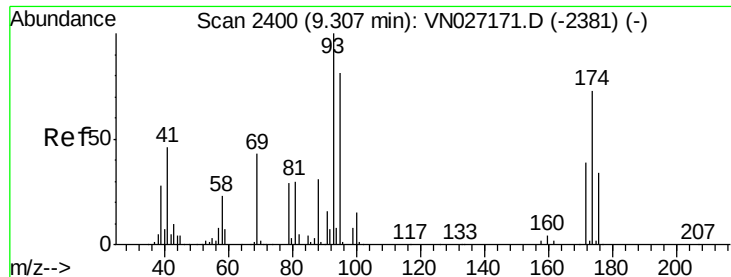
65 29.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





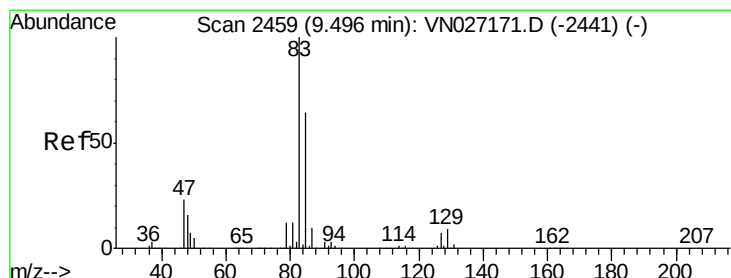
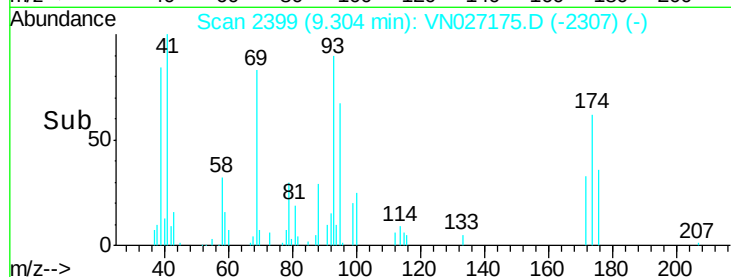
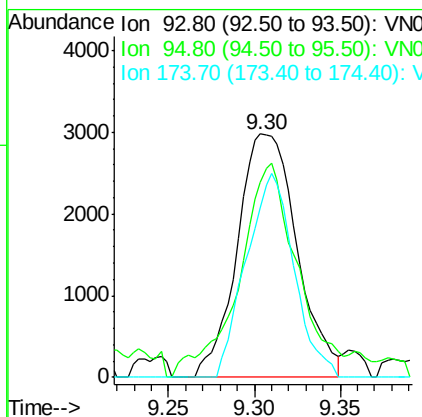
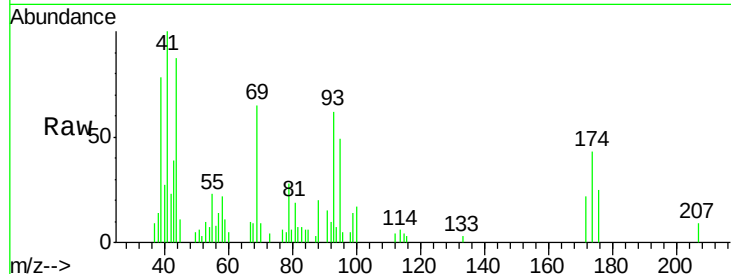
#47
Dibromomethane
Concen: 1.57 ug/l
RT: 9.30 min Scan# 2399
Delta R.T. -0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.3	99.5
174	66.8	67.8	101.6

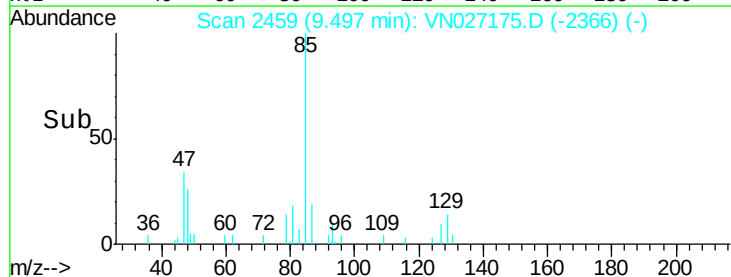
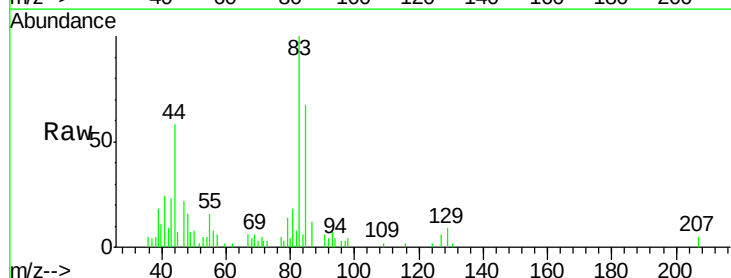
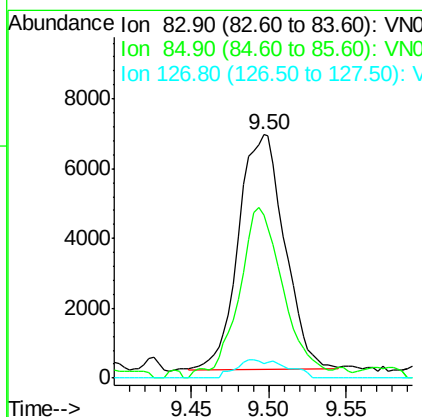
Manual Integrations
APPROVED

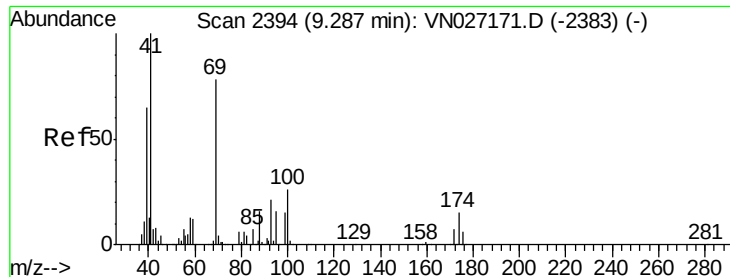
MMDadoda
9/16/2015 11:47:23 AM



#48
Bromodichloromethane
Concen: 1.45 ug/l
RT: 9.50 min Scan# 2459
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	50.7	76.1
127	6.4	5.5	8.3





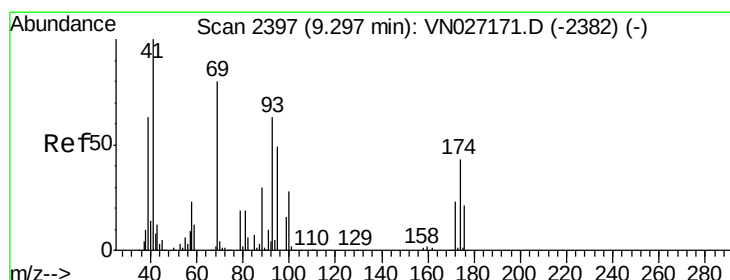
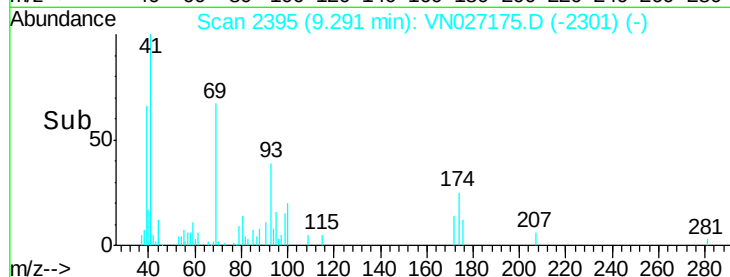
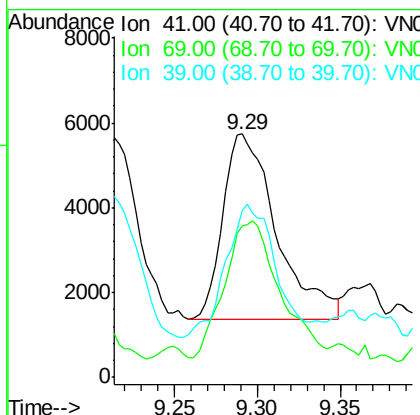
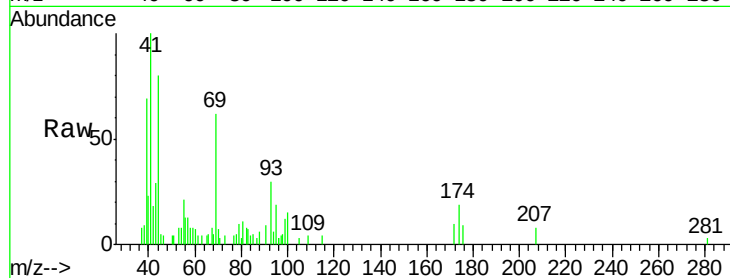
#49
Methvl methacrylate
Concen: 1.58 ug/l
RT: 9.29 min Scan# 2395
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
41	100	9883		
69	74.6		59.3	88.9
39	65.8		39.5	59.3#

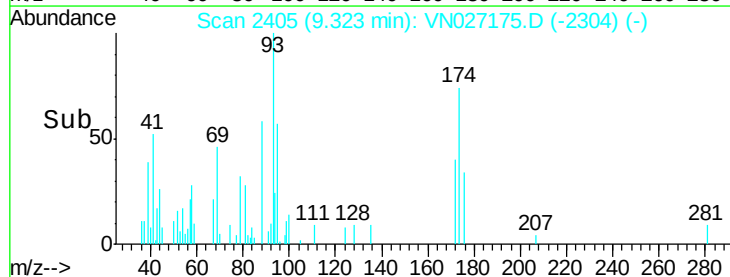
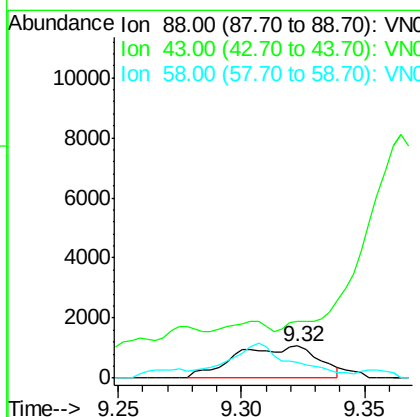
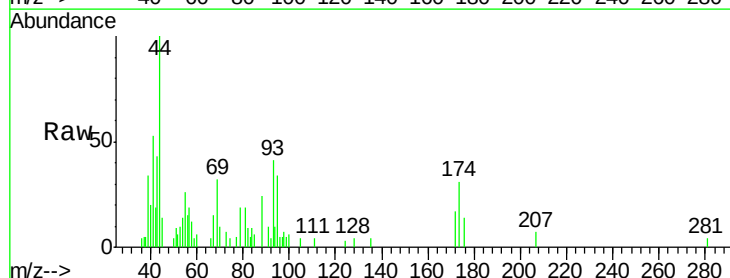
Manual Integrations
APPROVED

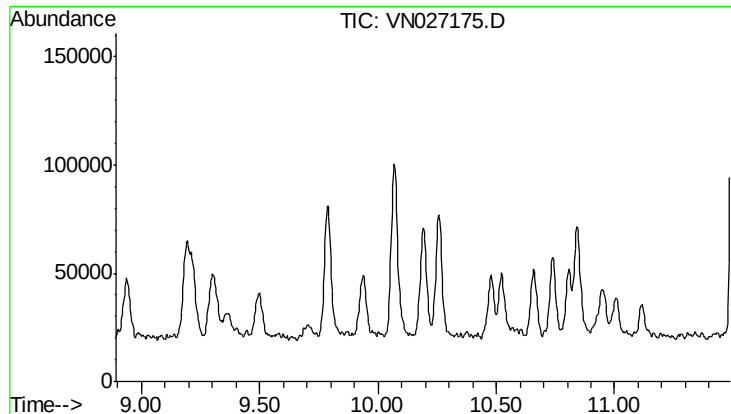
MMDadoda
9/16/2015 11:47:23 AM



#50
1,4-Dioxane
Concen: 27.82 ug/l m
RT: 9.32 min Scan# 2405
Delta R.T. 0.03 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	2511		
43	27.9		27.6	41.4
58	83.3		63.1	94.7





#51

Toluene-d8

Concen: 0.00 ug/l

Expected RT: 10.19 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tot Ion: 98

Sig Exp Ratio

98 100

100 63.1

Instrument :

MSVOA_N

ClientSampleId :

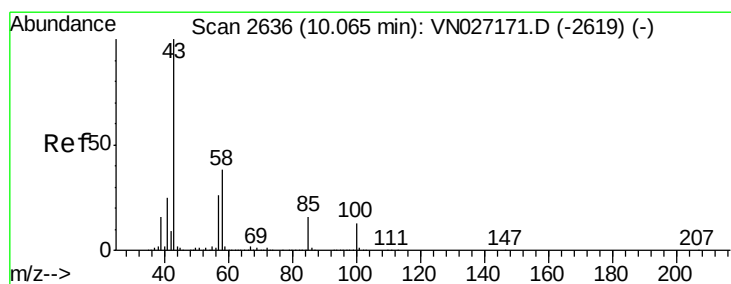
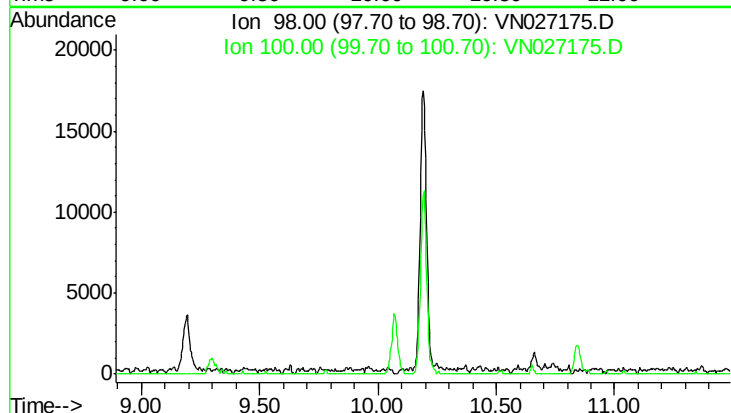
VSTDIC001

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 8.15 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027175.D

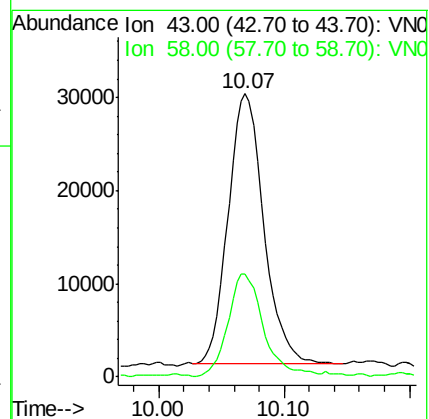
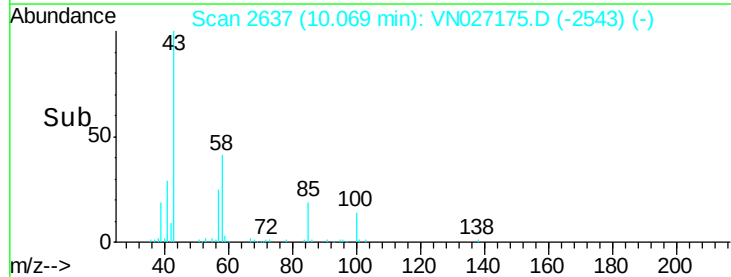
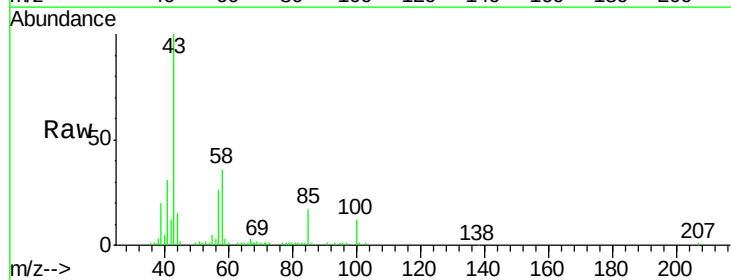
Acq: 15 Sep 2015 20:06

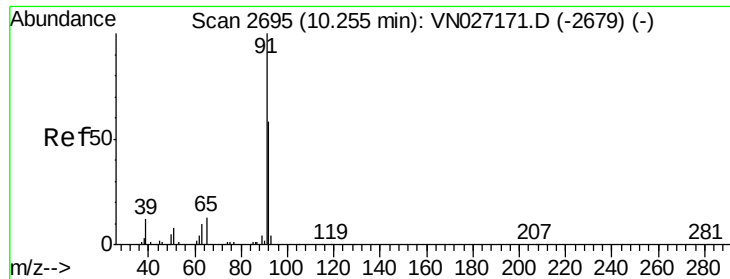
Tgt Ion: 43 Resp: 57031

Ion Ratio Lower Upper

43 100

58 38.2 29.8 44.8





#53

Toluene

Concen: 1.30 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 23442

Ion Ratio Lower Upper

92 100

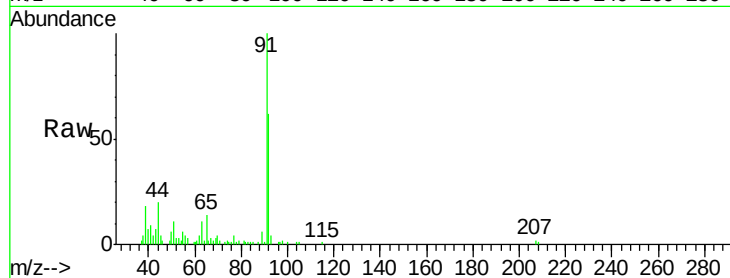
91 169.2 141.4 212.2

Manual Integrations

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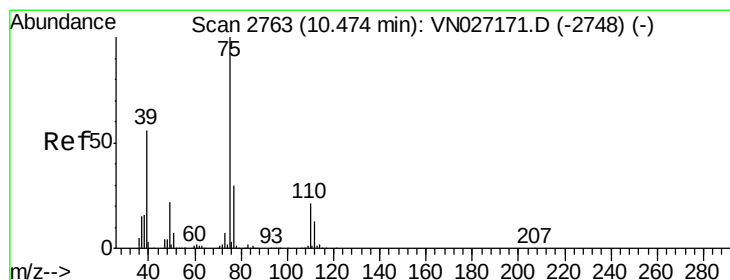
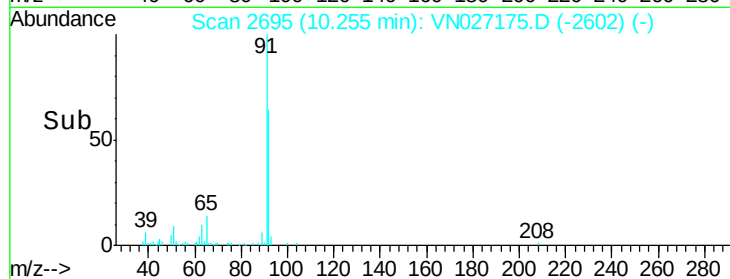
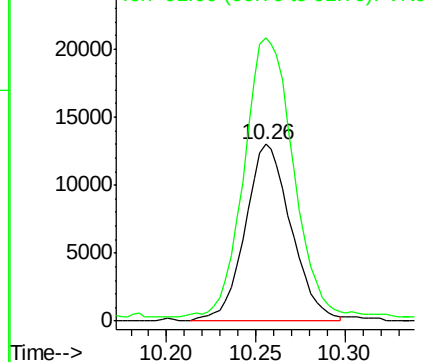
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 1.62 ug/l

RT: 10.48 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VN027175.D

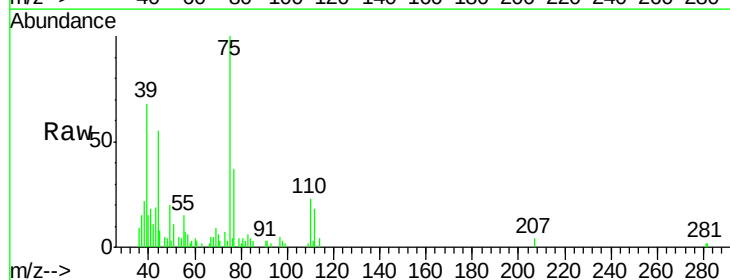
Acq: 15 Sep 2015 20:06

Tgt Ion: 75 Resp: 15456

Ion Ratio Lower Upper

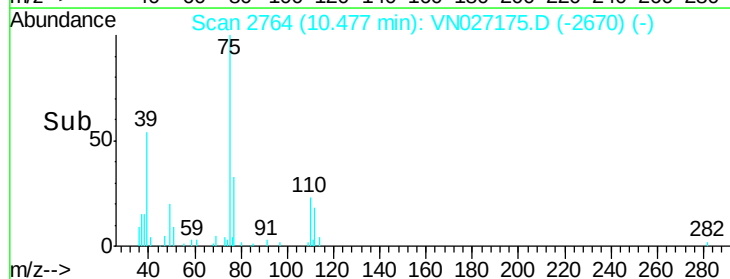
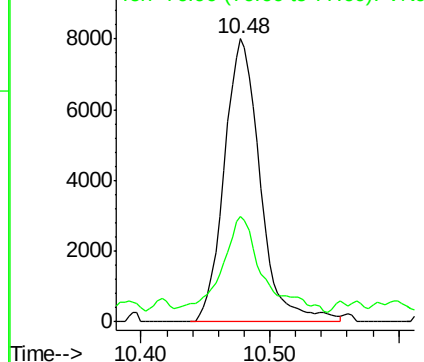
75 100

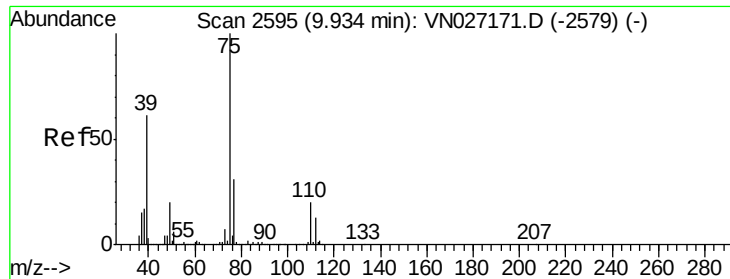
77 31.1 25.4 38.2



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: 1.55 ug/l

RT: 9.94 min Scan# 2596

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

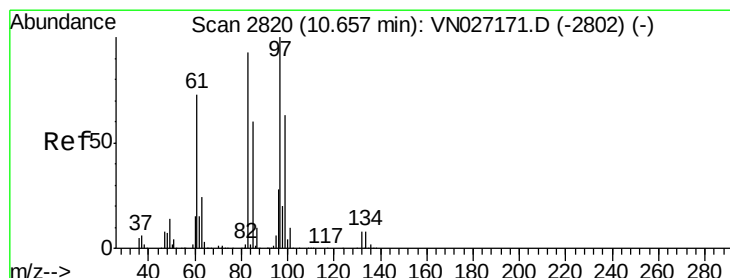
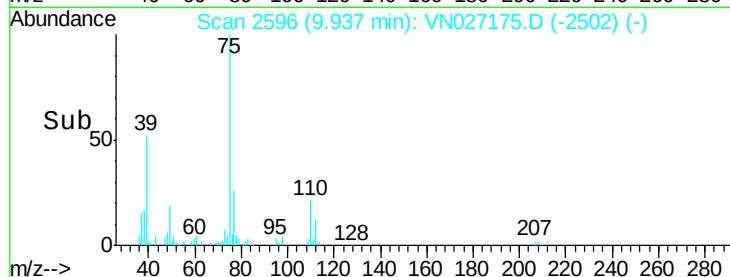
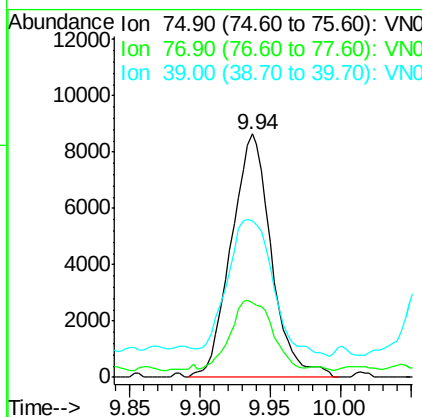
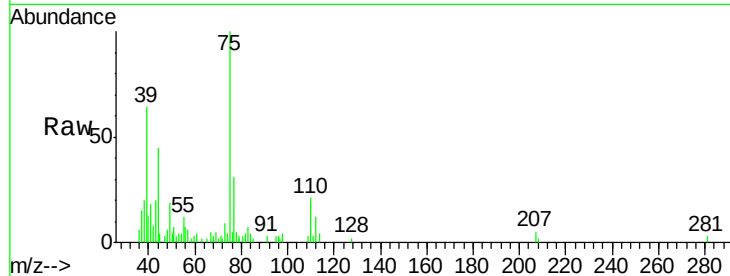
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	17202
Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.6	38.4
39	52.4	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 1.22 ug/l

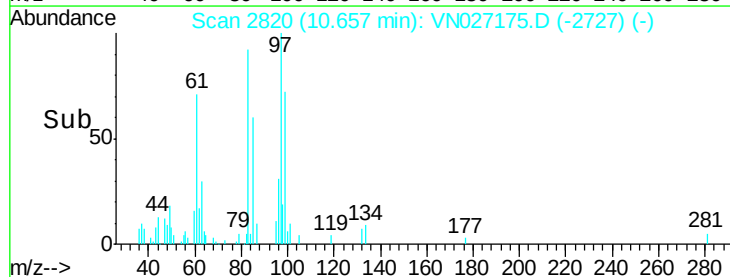
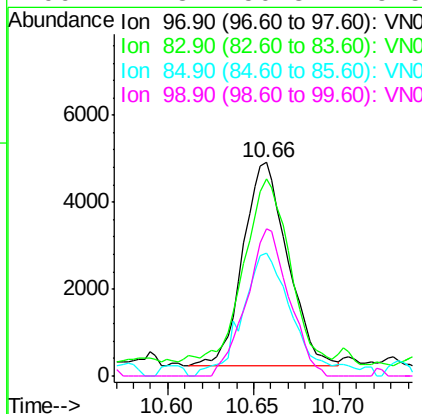
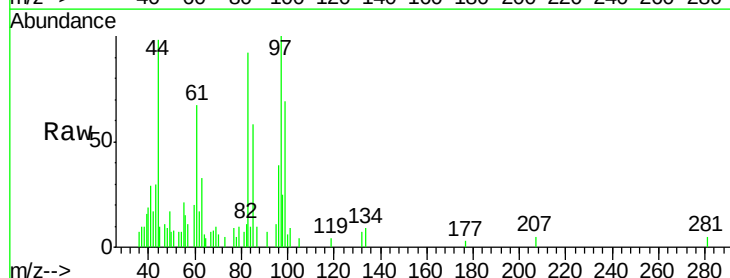
RT: 10.66 min Scan# 2820

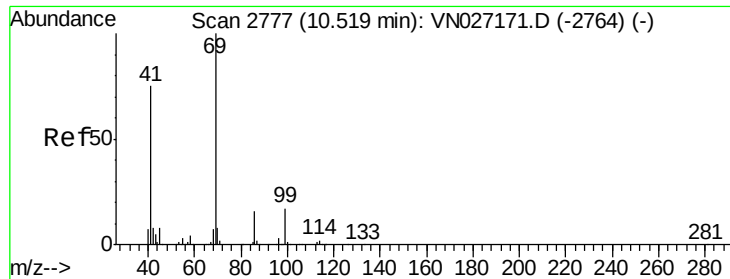
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion:	97	Resp:	8397
Ion	Ratio	Lower	Upper
97	100		
83	87.1	75.0	112.4
85	60.9	48.0	72.0
99	72.8	50.3	75.5





#57

Ethyl methacrylate

Concen: 1.50 ug/l

RT: 10.52 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

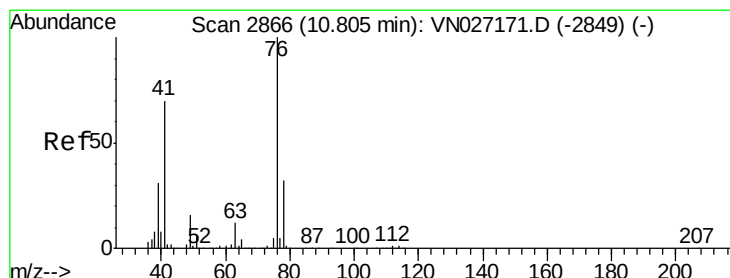
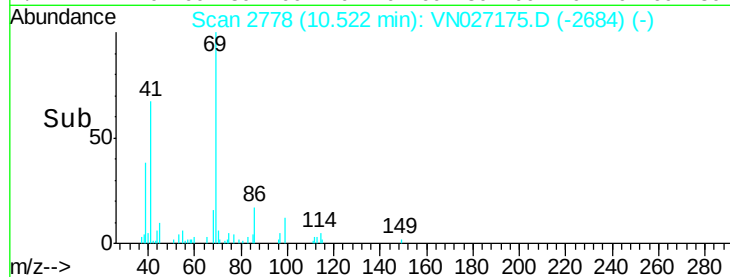
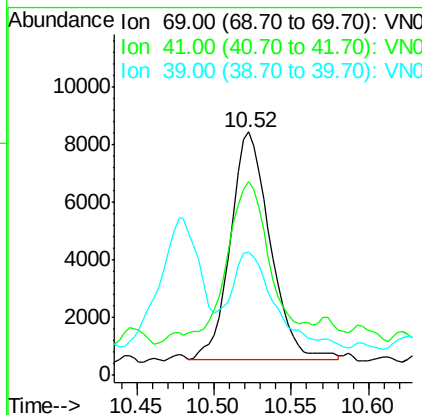
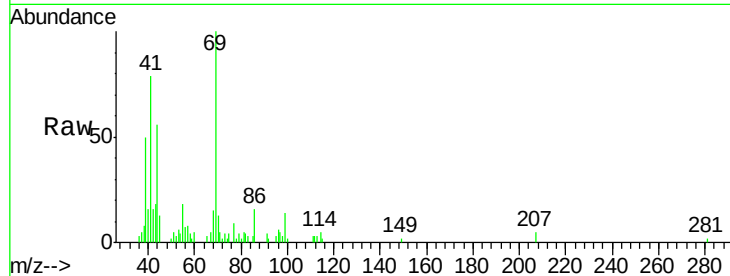
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	13919
Ion	Ratio	Lower	Upper
69	100		
41	78.2	61.3	91.9
39	46.2	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 1.43 ug/l

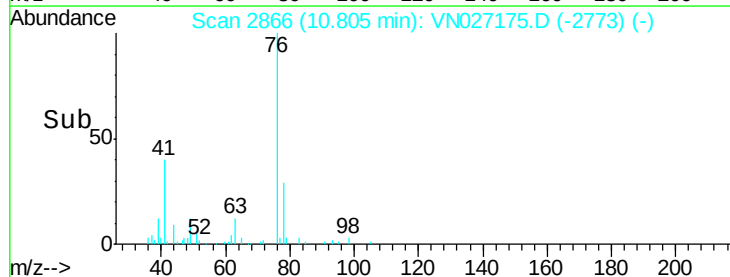
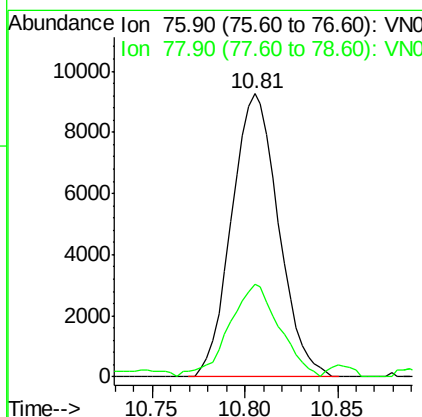
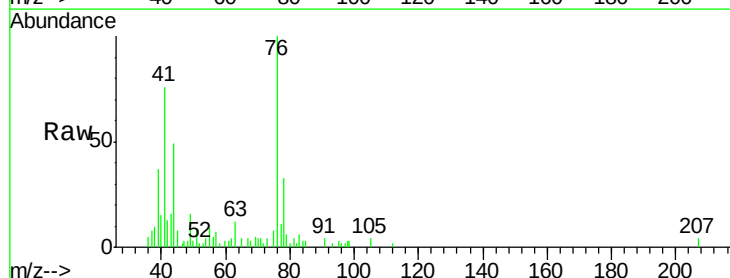
RT: 10.81 min Scan# 2866

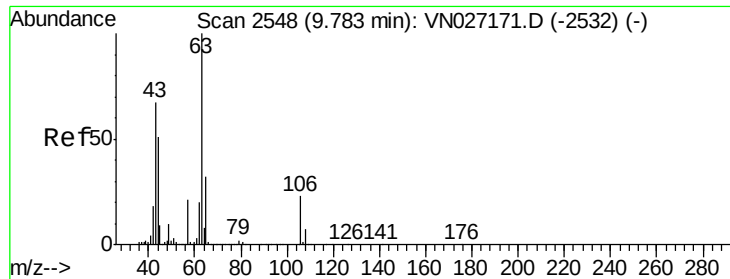
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion:	76	Resp:	16240
Ion	Ratio	Lower	Upper
76	100		
78	35.0	25.0	37.6





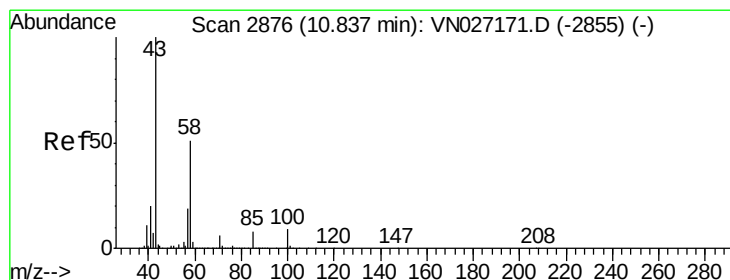
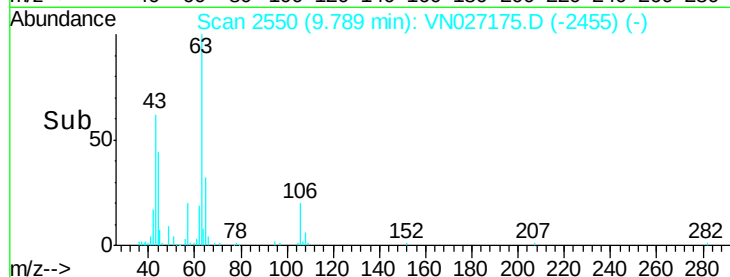
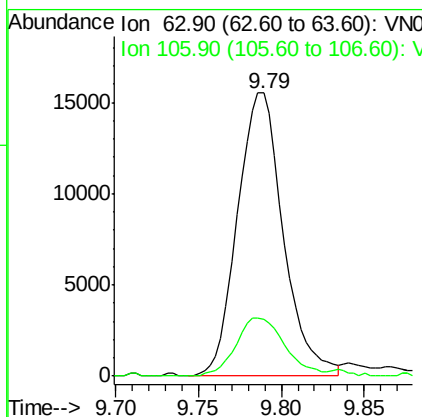
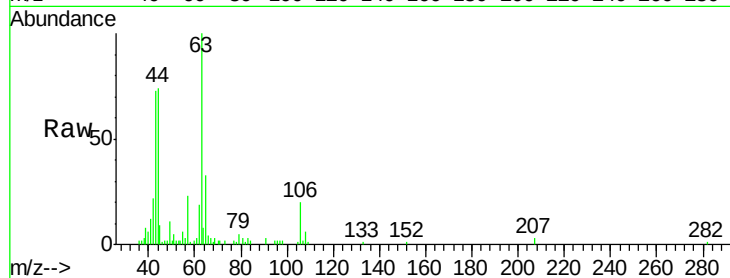
#59
2-Chloroethyl vinyl ether
Concen: 8.26 ug/l
RT: 9.79 min Scan# 2550
Delta R.T. 0.01 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 29826
Ion Ratio Lower Upper
63 100
106 22.1 17.7 26.5

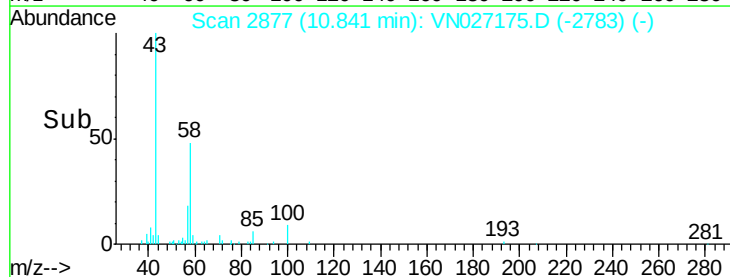
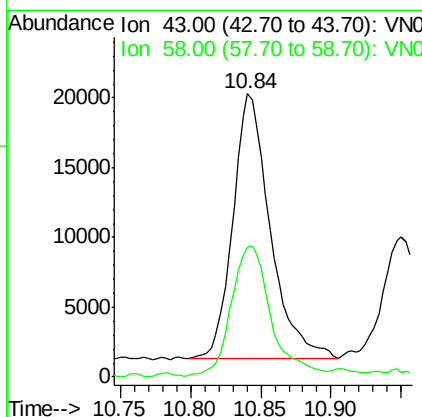
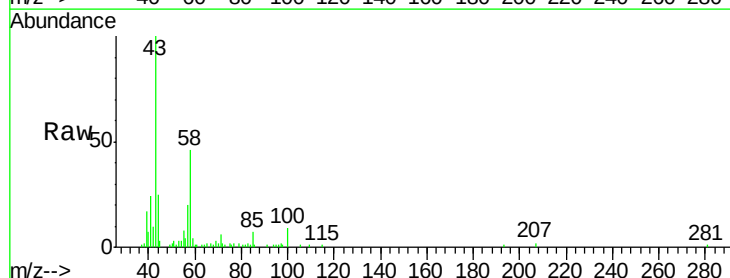
Manual Integrations
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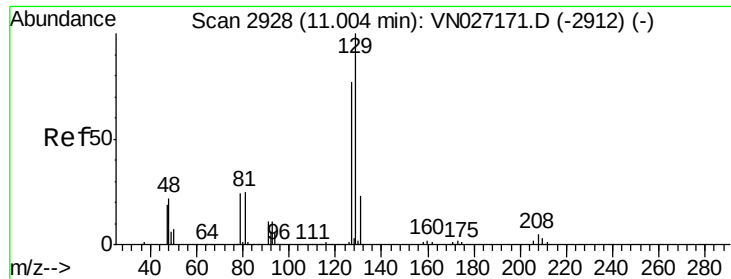
MMDadoda
9/16/2015 11:47:23 AM



#60
2-Hexanone
Concen: 7.52 ug/l
RT: 10.84 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion: 43 Resp: 35036
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5





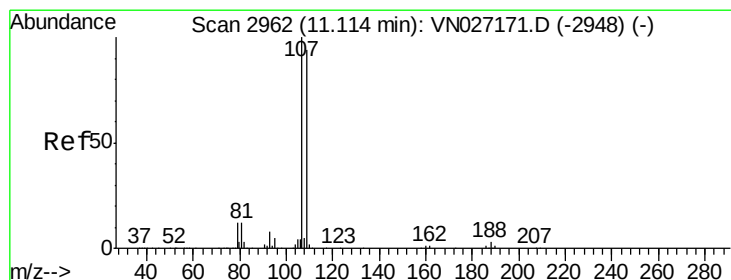
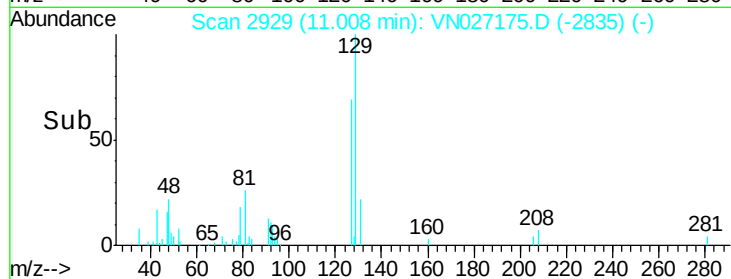
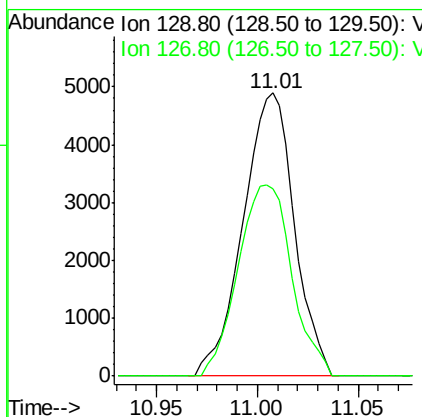
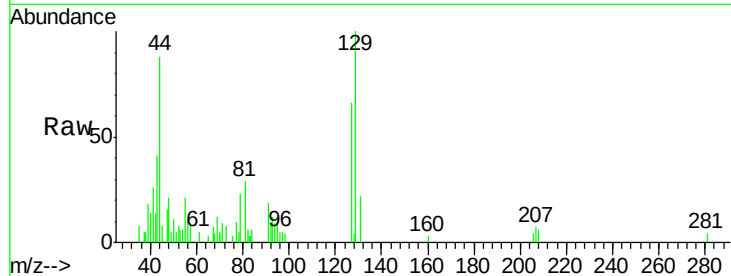
#61
Dibromochloromethane
Concen: 1.23 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 8695
Ion Ratio Lower Upper
129 100
127 70.9 39.1 117.2

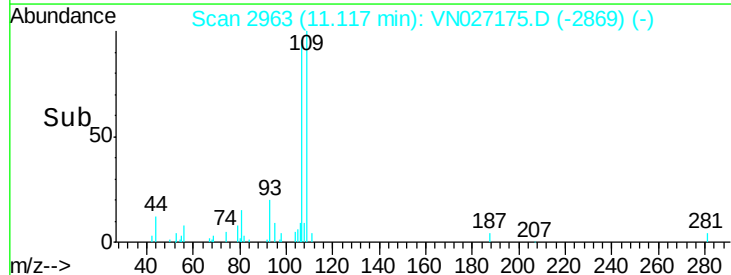
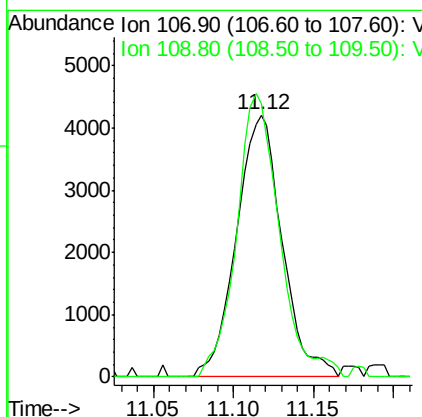
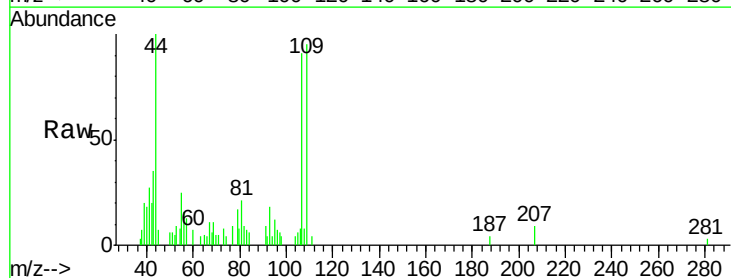
Manual Integrations
APPROVED

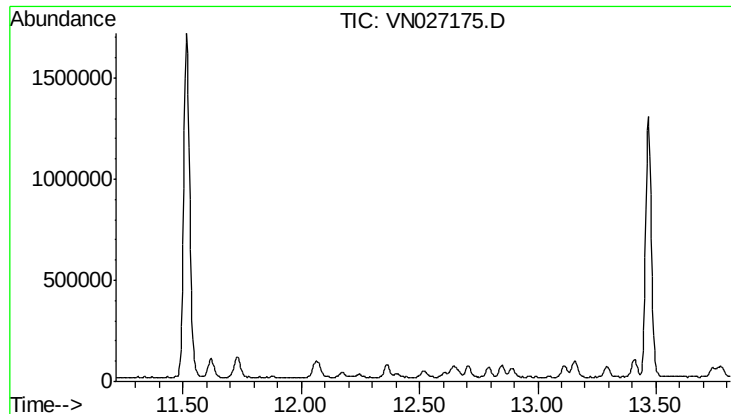
MMDadoda
9/16/2015 11:47:23 AM



#62
1,2-Dibromoethane
Concen: 1.25 ug/l
RT: 11.12 min Scan# 2963
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion:107 Resp: 8197
Ion Ratio Lower Upper
107 100
109 101.3 75.6 113.4





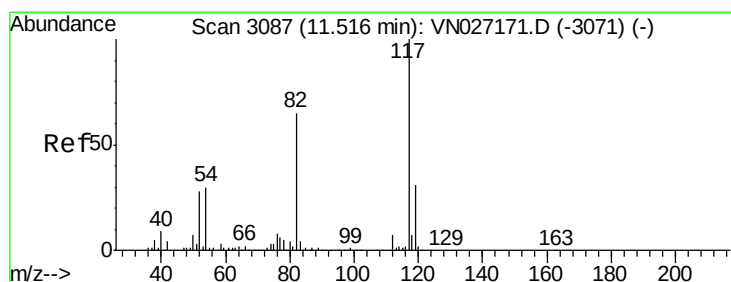
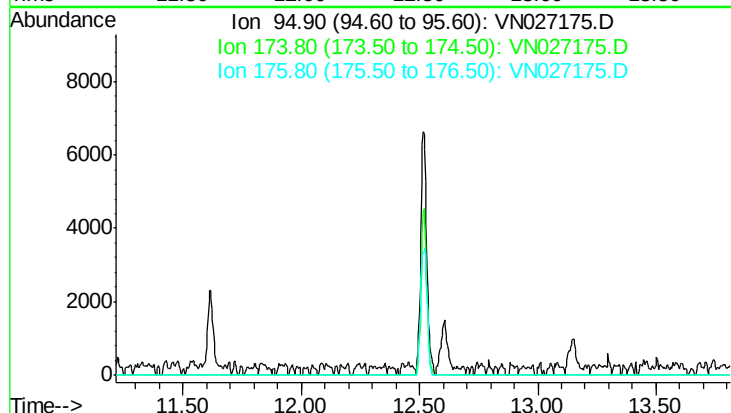
#63
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.52 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 68.5
 176 65.4

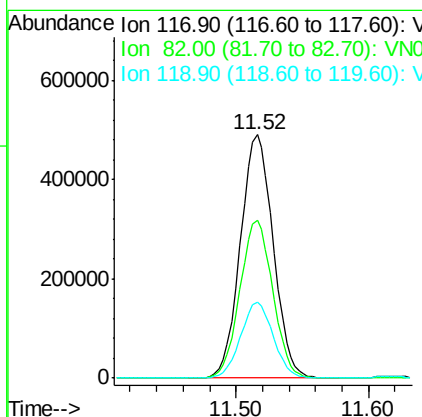
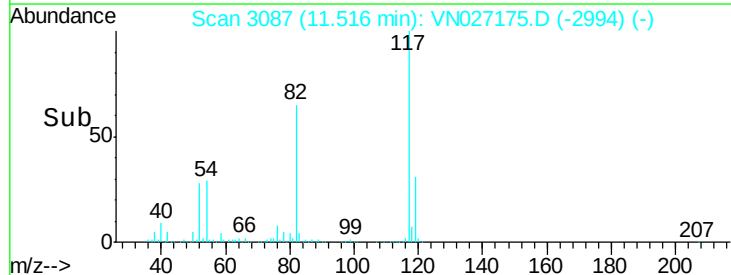
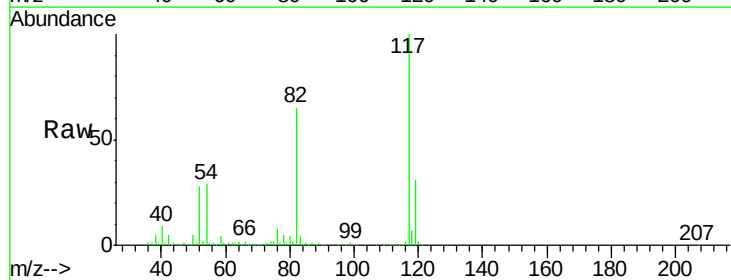
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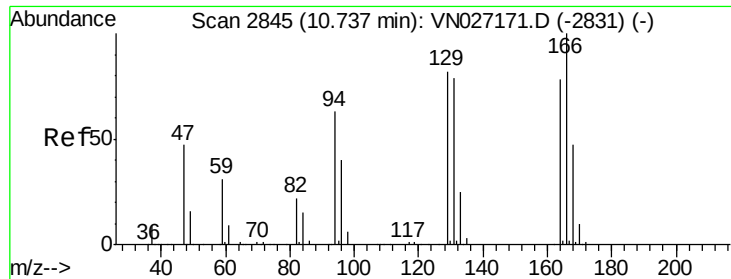
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#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion: 117 Resp: 844042
 Ion Ratio Lower Upper
 117 100
 82 64.7 49.6 74.4
 119 31.1 24.6 36.8





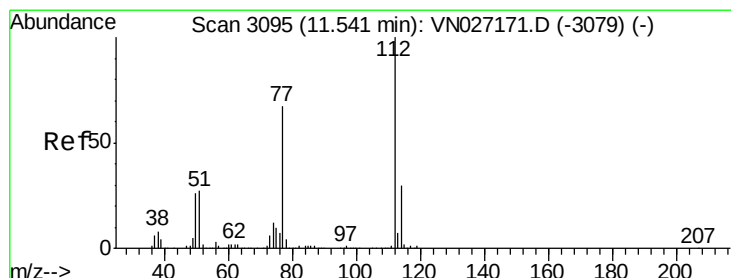
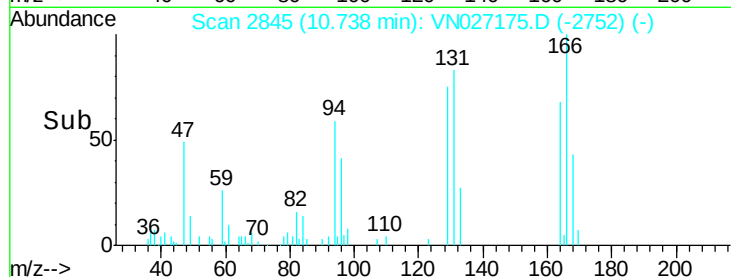
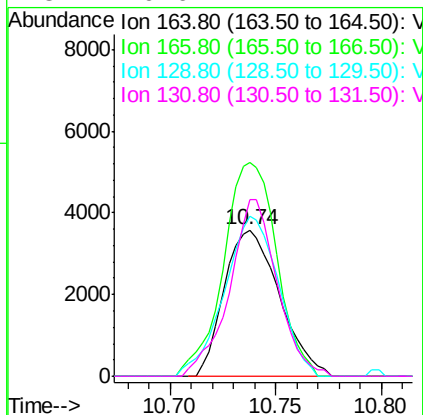
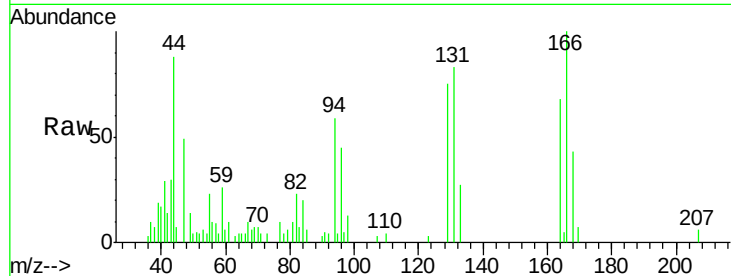
#65
Tetrachloroethene
Concen: 1.08 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	146.1	103.4	155.0
129	109.7	77.5	116.3
131	120.6	74.2	111.4

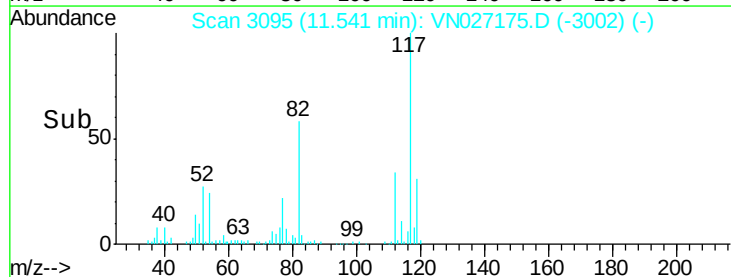
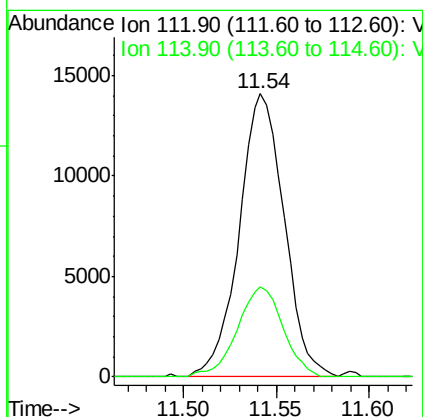
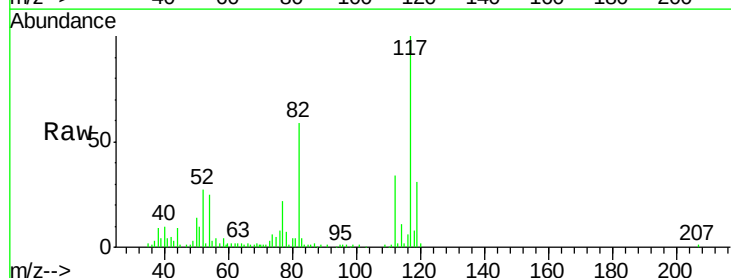
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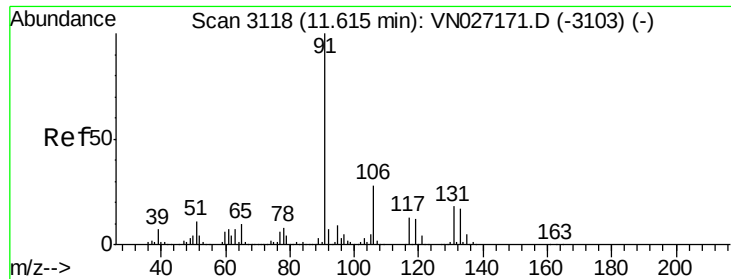
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#66
Chlorobenzene
Concen: 1.29 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 1.21 ug/l

RT: 11.61 min Scan# 3116

Delta R.T. -0.01 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

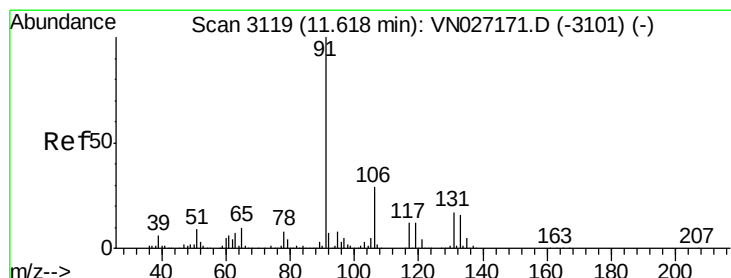
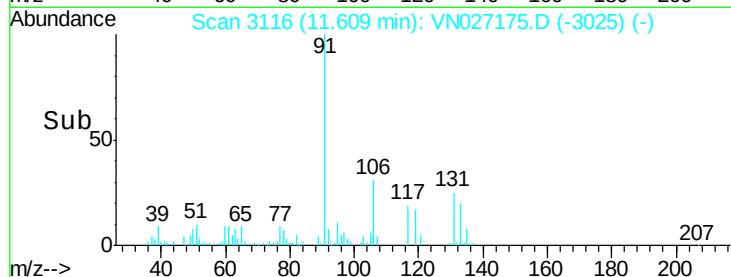
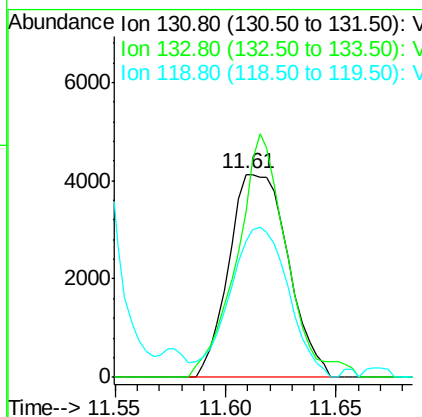
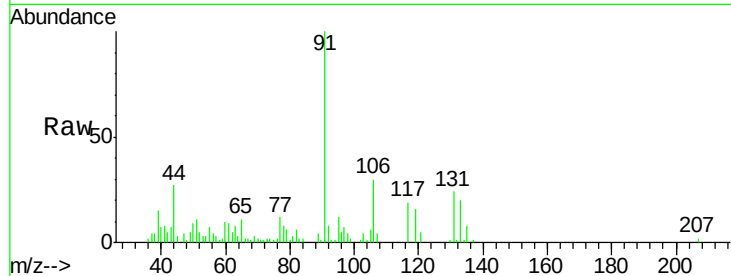
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.0	141.2
119	0.0	35.1	105.5#

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#68

Ethyl Benzene

Concen: 1.41 ug/l

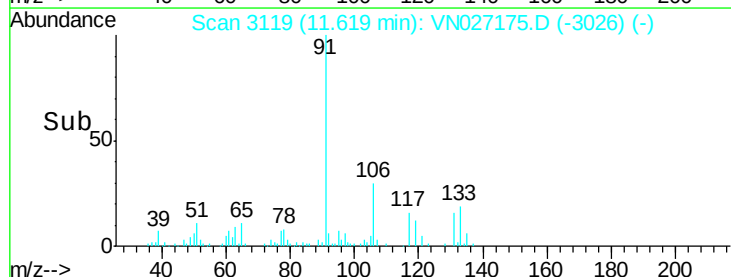
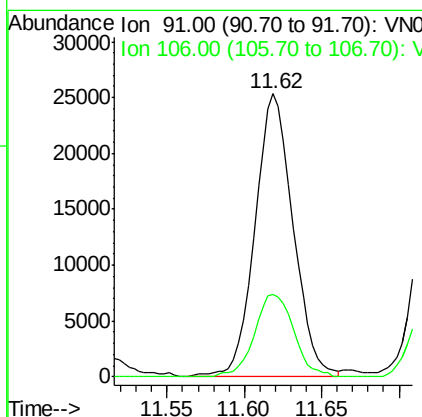
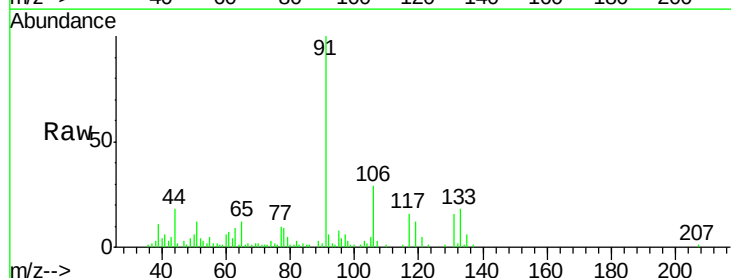
RT: 11.62 min Scan# 3119

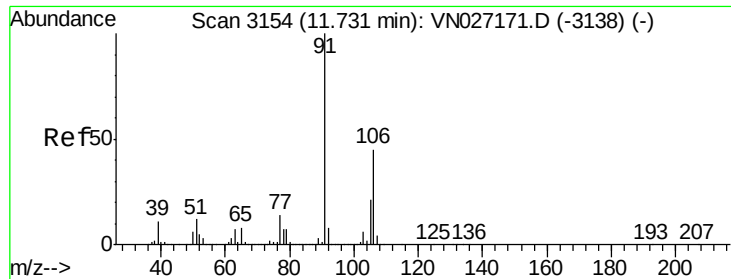
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.1	34.7





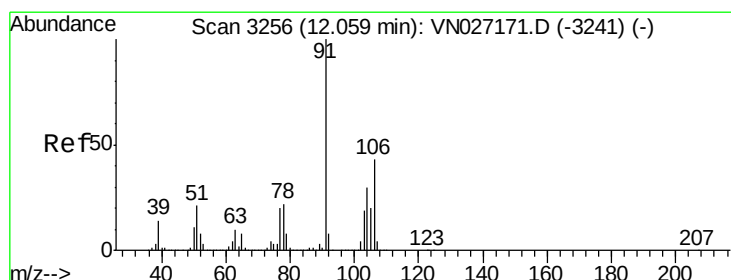
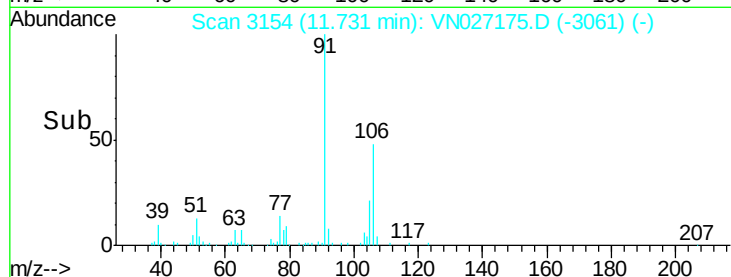
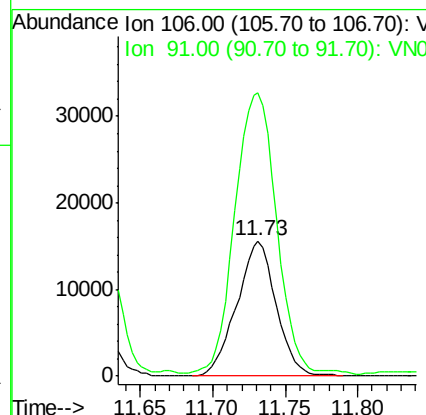
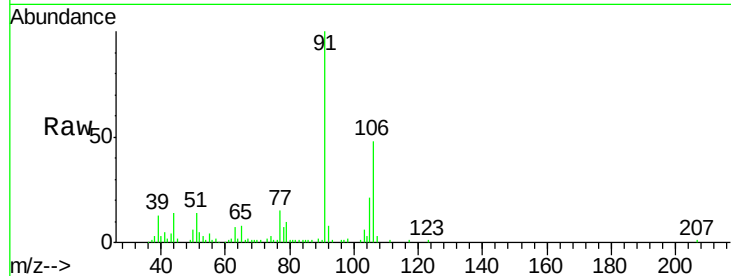
#69
m/p-Xylenes
Concen: 2.56 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 29407
Ion Ratio Lower Upper
106 100
91 219.6 167.1 250.7

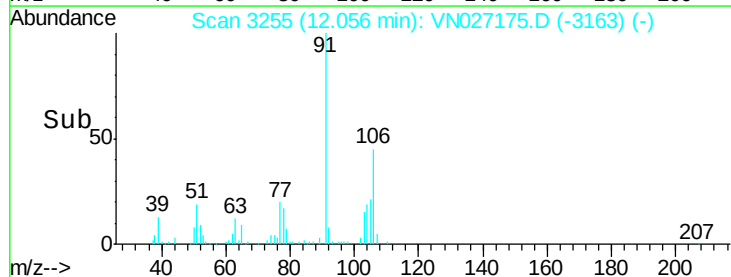
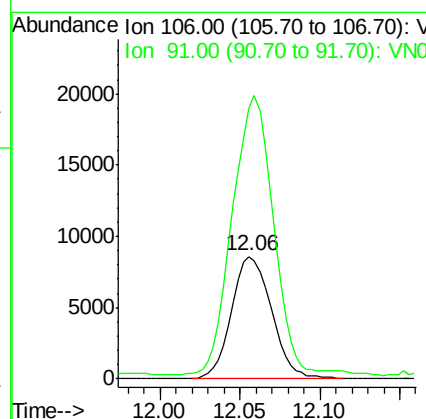
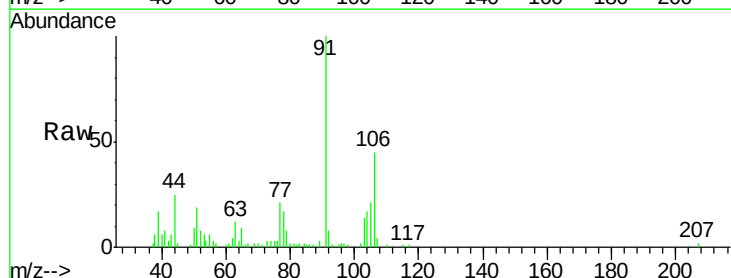
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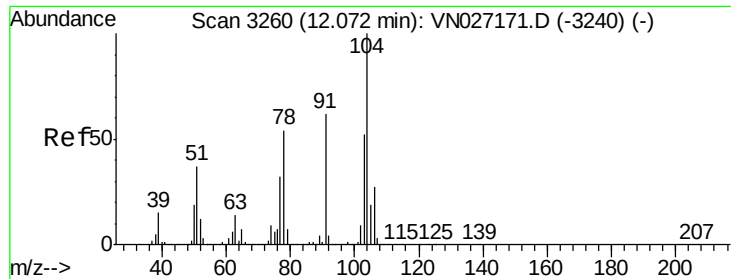
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#70
o-Xylene
Concen: 1.30 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion:106 Resp: 14686
Ion Ratio Lower Upper
106 100
91 231.8 110.7 331.9





#71

Stvrene

Concen: 1.24 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

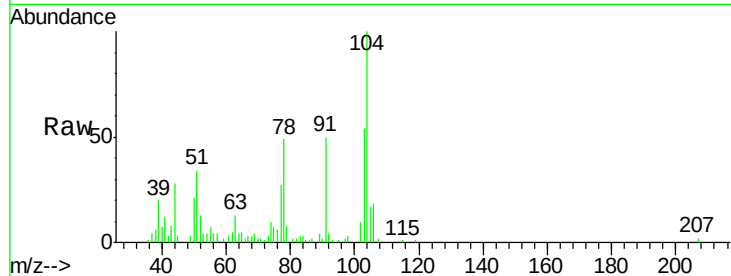
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	22513
Ion Ratio	Lower	Upper	
104	100		
78	60.4	41.6	62.4
103	61.1	44.2	66.2

Manual Integrations
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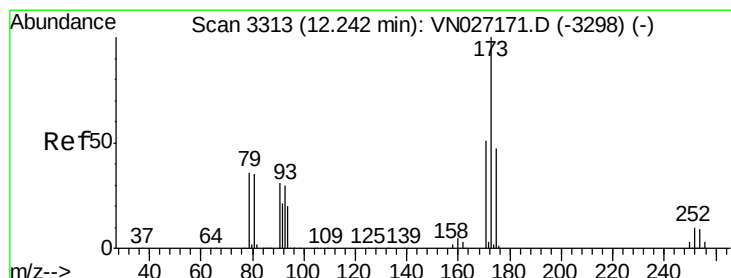
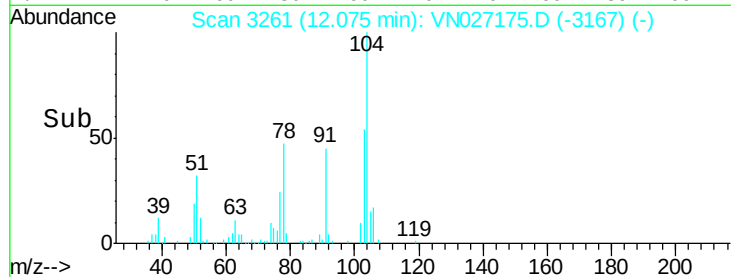
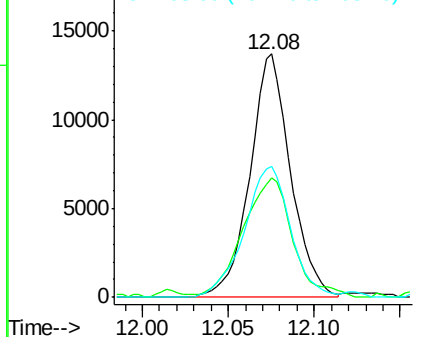
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 1.15 ug/l

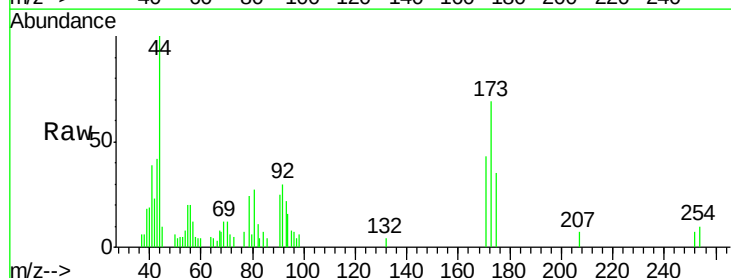
RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

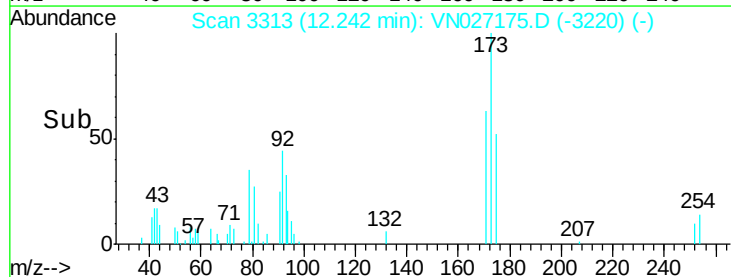
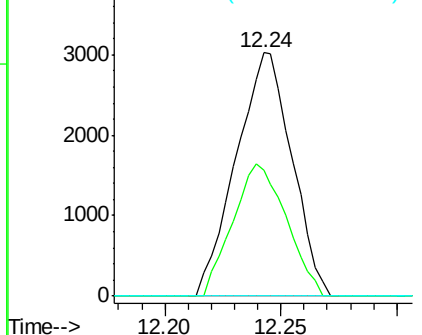
Tgt Ion:	173	Resp:	5061
Ion Ratio	Lower	Upper	
173	100		
175	52.1	24.4	73.4
254	0.0	0.1	0.1#

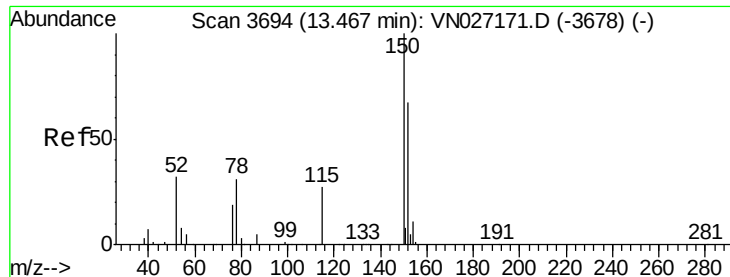


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





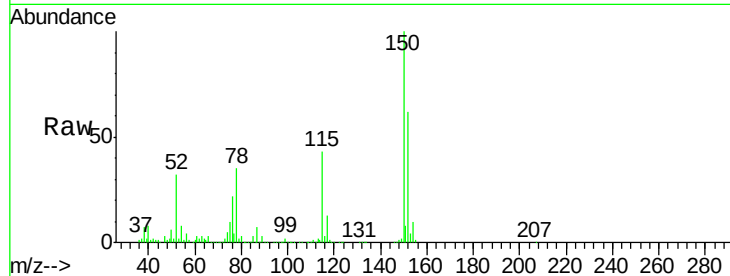
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

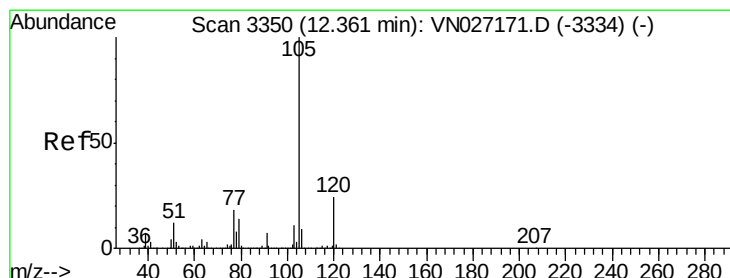
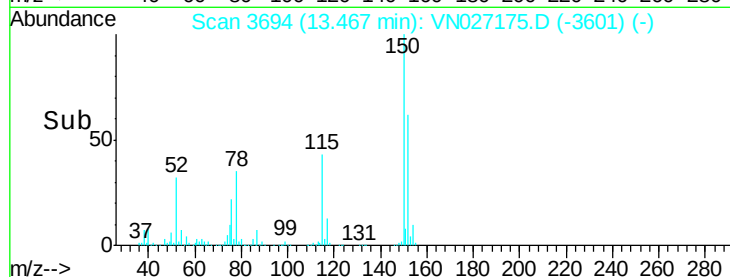
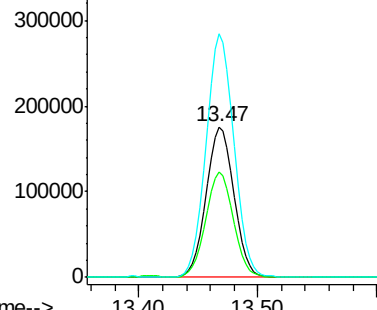
Tot Ion	Ratio	Resp	Lower	Upper
152	100	285673		
115	68.8		30.8	92.3
150	161.2		0.0	345.0

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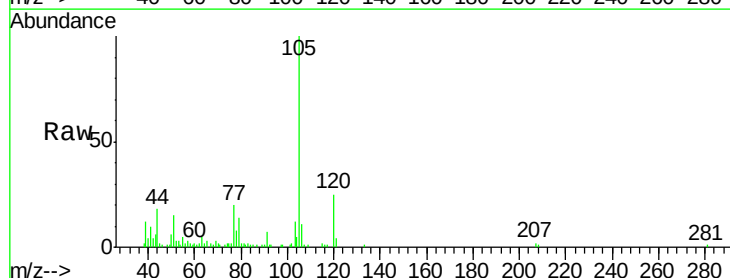


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

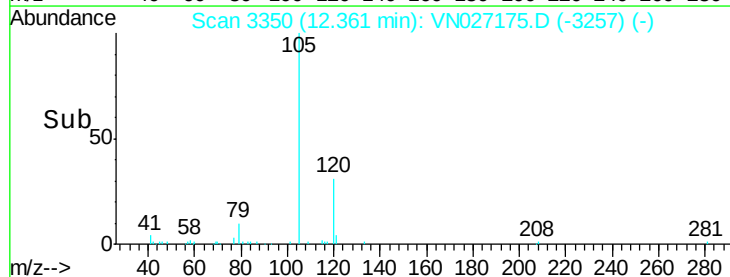
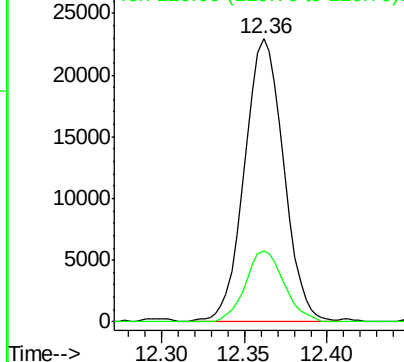


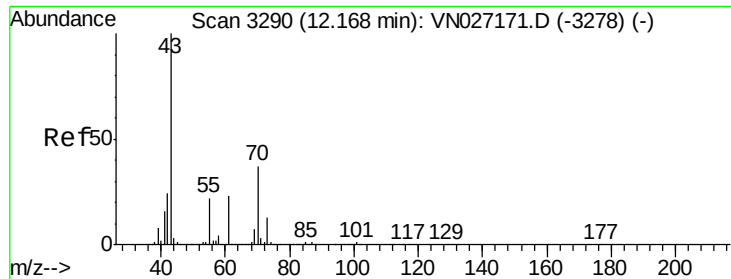
#74
 Isopropylbenzene
 Concen: 1.54 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37900		
120	24.7		12.4	37.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 1.99 ug/l

RT: 12.17 min Scan# 3291

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

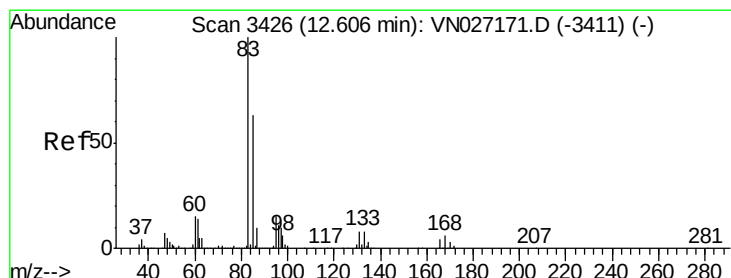
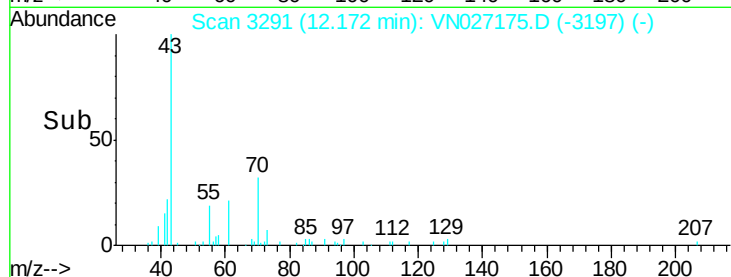
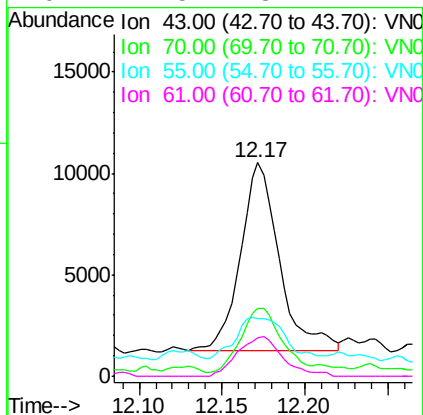
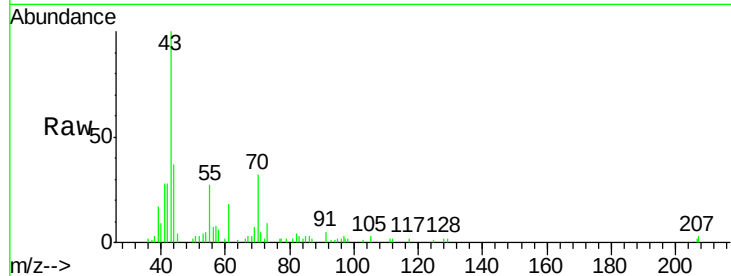
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	15037
Ion	Ratio	Lower	Upper
43	100		
70	35.8	29.8	44.8
55	26.5	19.4	29.0
61	24.5	18.2	27.2

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#76

1,1,2,2-Tetrachloroethane

Concen: 1.87 ug/l

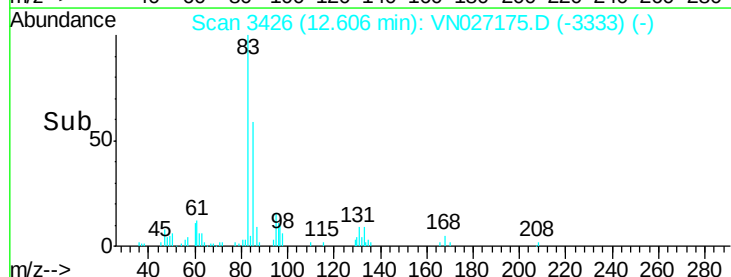
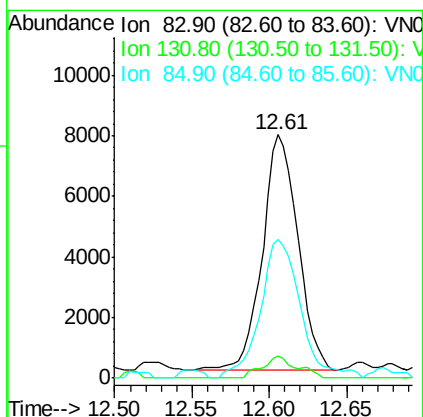
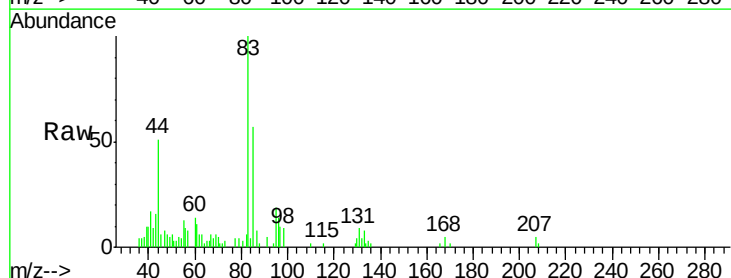
RT: 12.61 min Scan# 3426

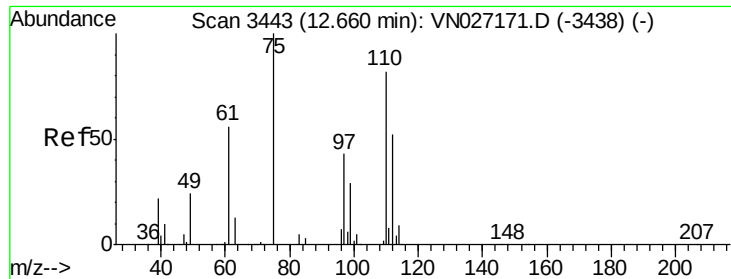
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion:	83	Resp:	12490
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.1	12.3
85	66.0	31.9	95.7





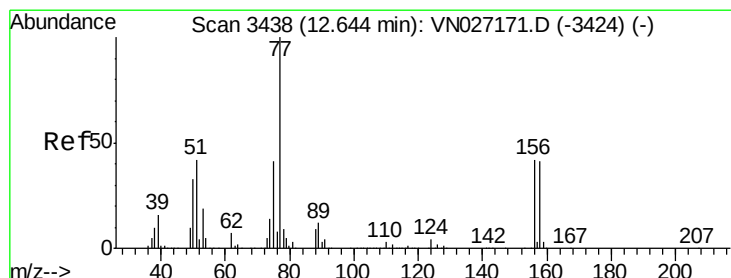
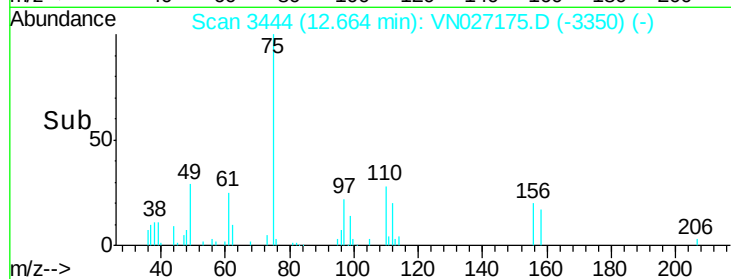
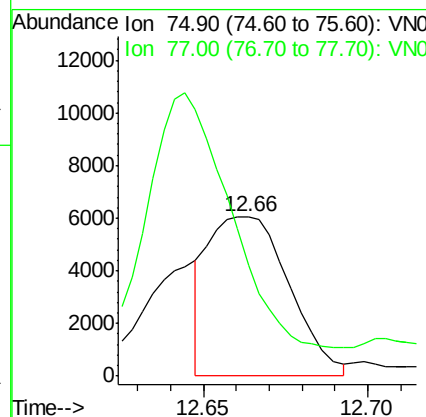
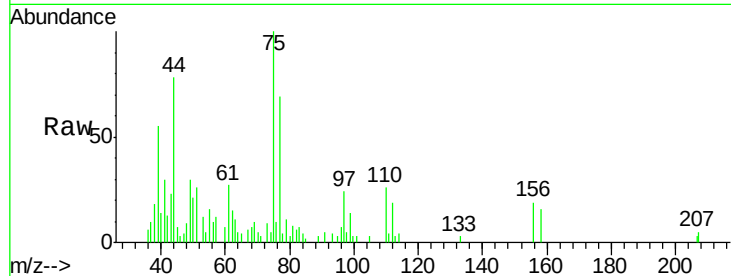
#77
 1,2,3-Trichloropropane
 Concen: 1.83 ug/l m
 RT: 12.66 min Scan# 3444
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 10347
 Ion Ratio Lower Upper
 75 100
 77 194.4 103.1 309.3

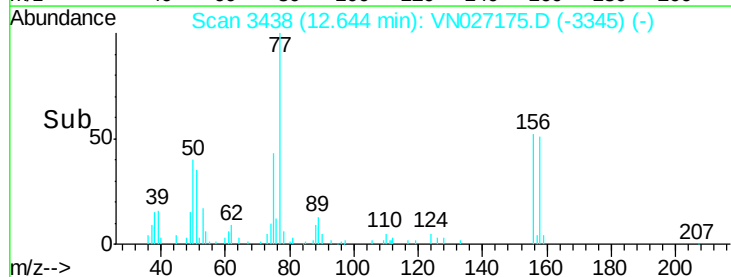
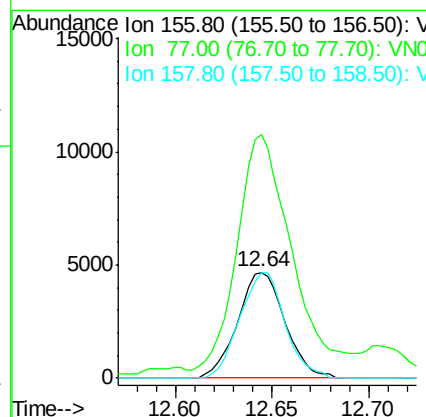
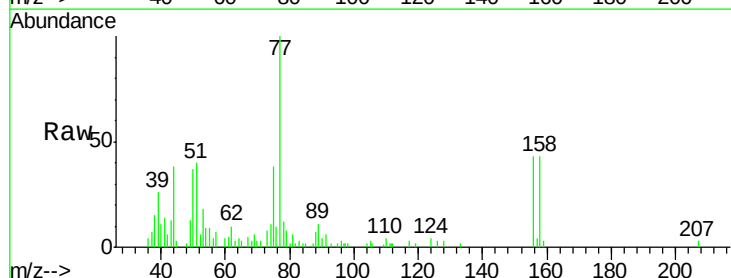
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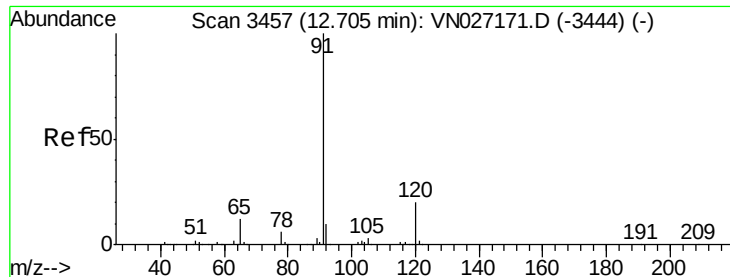
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#78
 Bromobenzene
 Concen: 1.33 ug/l
 RT: 12.64 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion: 156 Resp: 7919
 Ion Ratio Lower Upper
 156 100
 77 254.0 127.3 381.9
 158 95.4 48.0 144.2





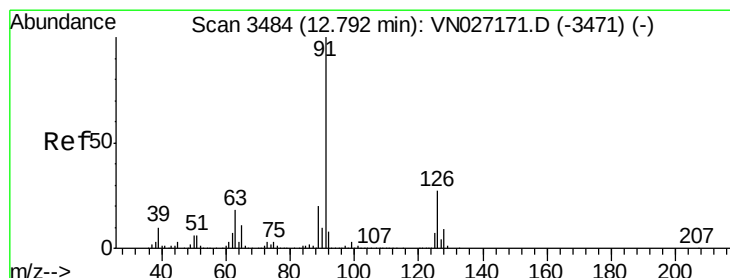
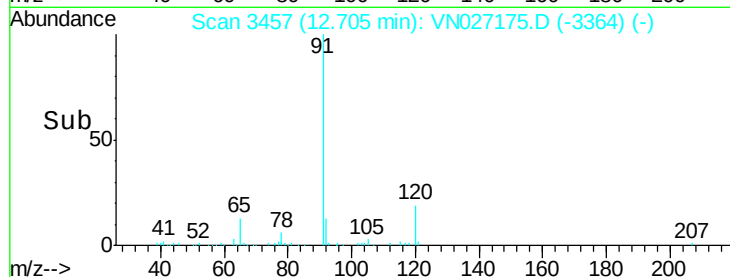
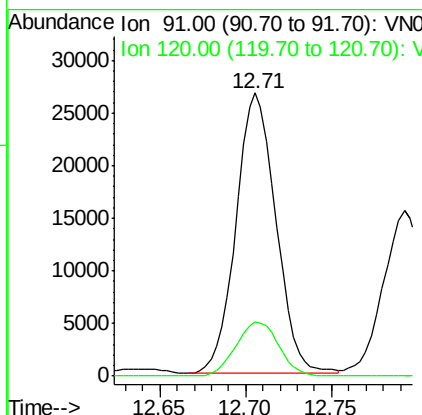
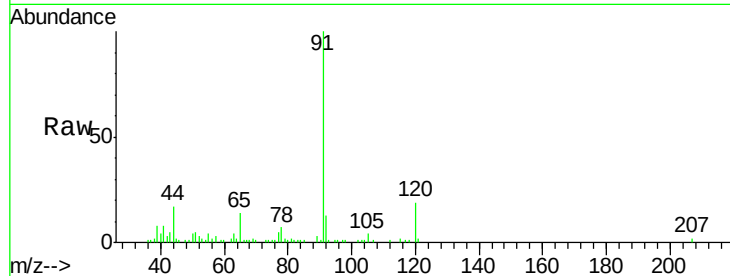
#79
n-propylbenzene
Concen: 1.59 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 43029
Ion Ratio Lower Upper
91 100
120 20.5 10.3 30.8

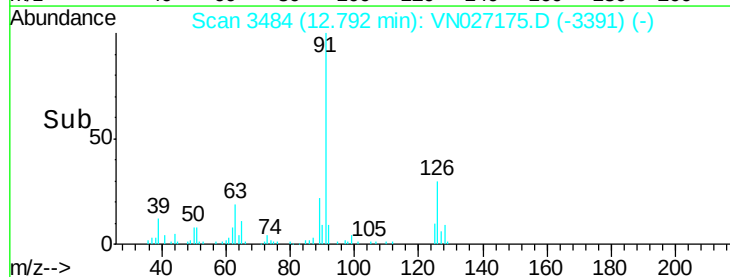
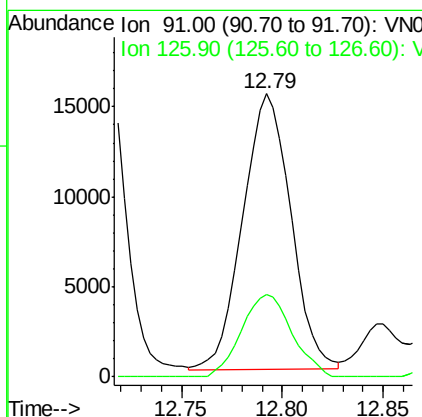
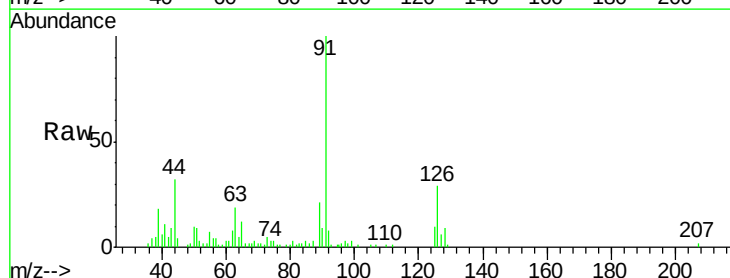
Manual Integrations
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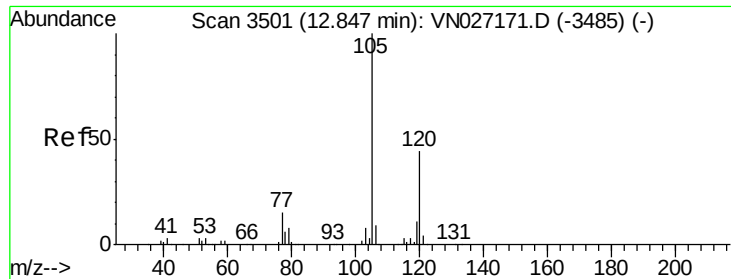
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#80
2-Chlorotoluene
Concen: 1.52 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027175.D
Acq: 15 Sep 2015 20:06

Tgt Ion: 91 Resp: 25543
Ion Ratio Lower Upper
91 100
126 31.3 15.2 45.5





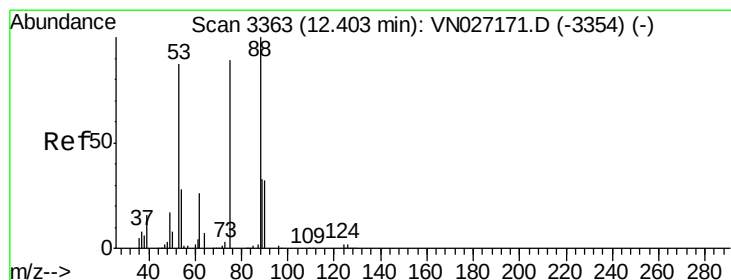
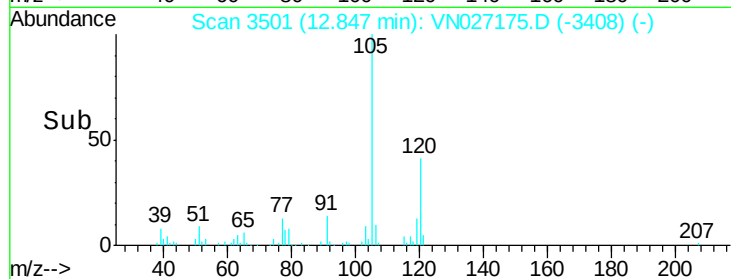
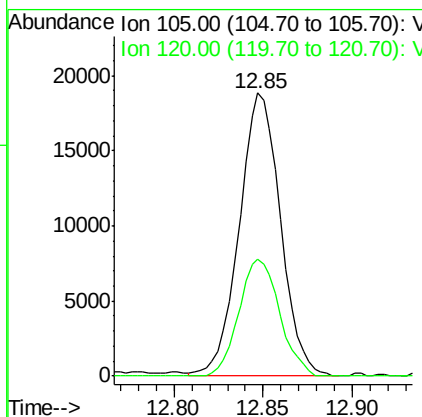
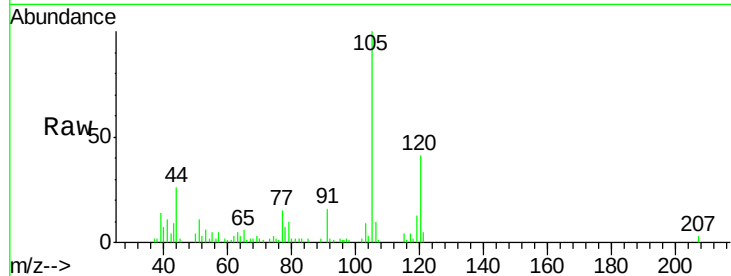
#81
 1,3,5-Trimethylbenzene
 Concen: 1.62 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 30324
 Ion Ratio Lower Upper
 105 100
 120 40.7 23.4 70.0

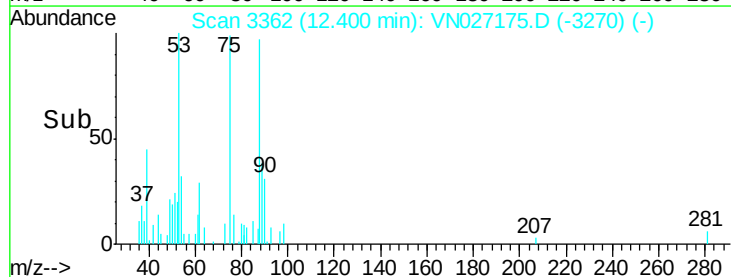
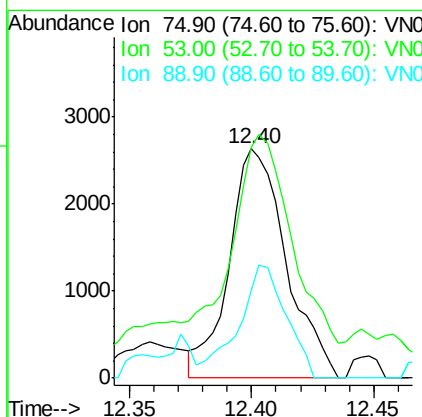
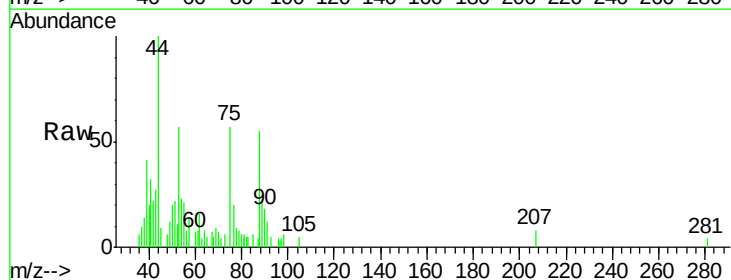
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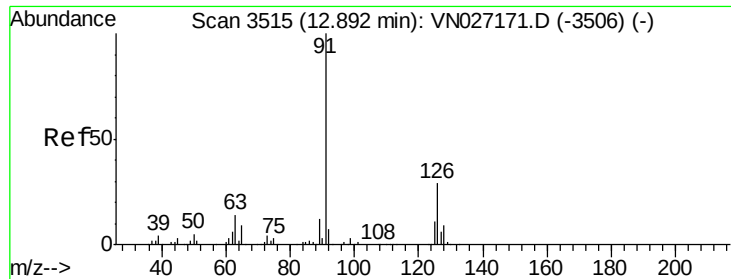
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 2.16 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion: 75 Resp: 4282
 Ion Ratio Lower Upper
 75 100
 53 106.4 92.9 139.3
 89 40.1 34.2 51.4





#83

4-Chlorotoluene

Concen: 1.50 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 24314

Ion Ratio Lower Upper

91 100

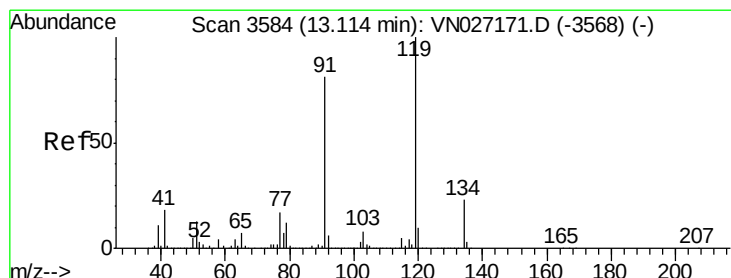
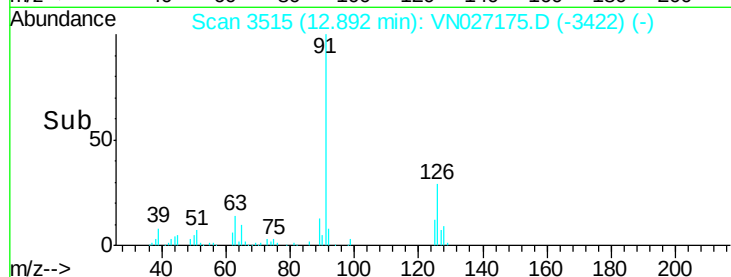
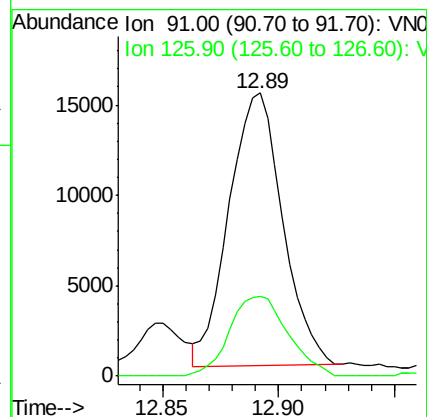
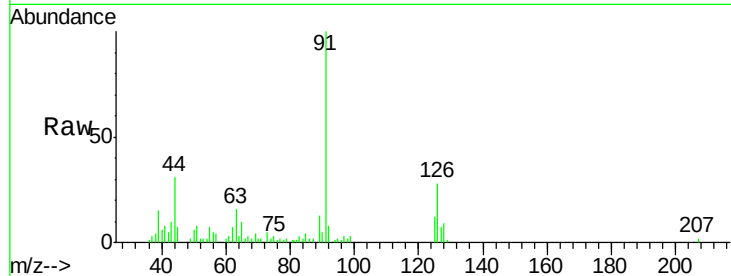
126 31.8 14.9 44.5

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#84

tert-Butylbenzene

Concen: 1.50 ug/l

RT: 13.11 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

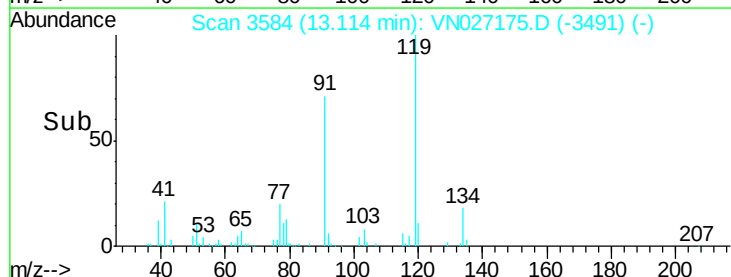
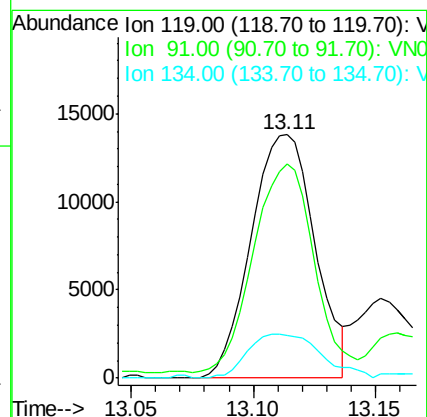
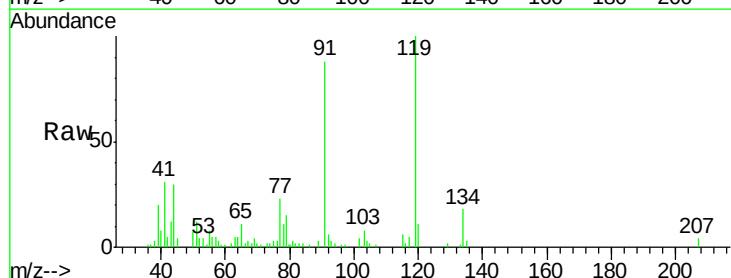
Tgt Ion: 119 Resp: 25082

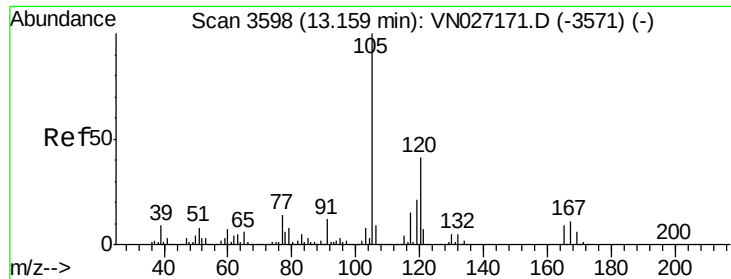
Ion Ratio Lower Upper

119 100

91 80.7 34.6 103.8

134 20.6 11.4 34.2





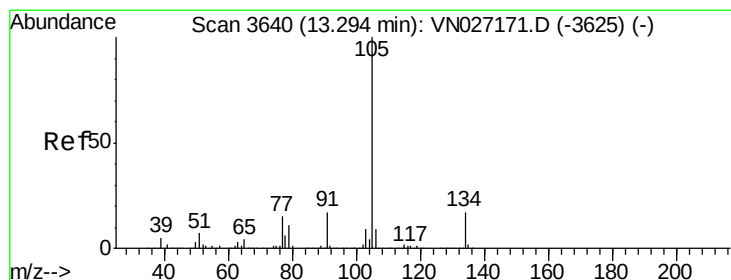
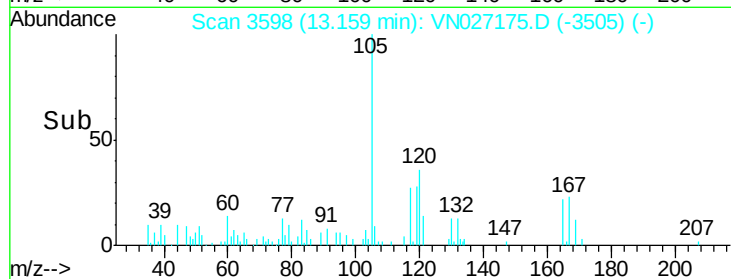
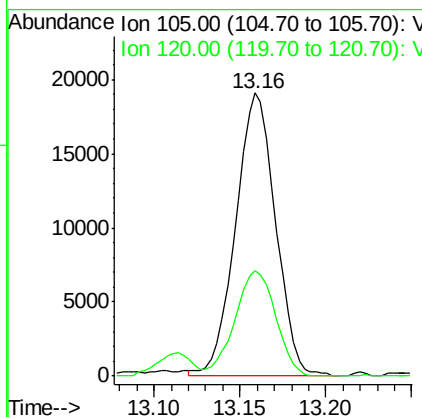
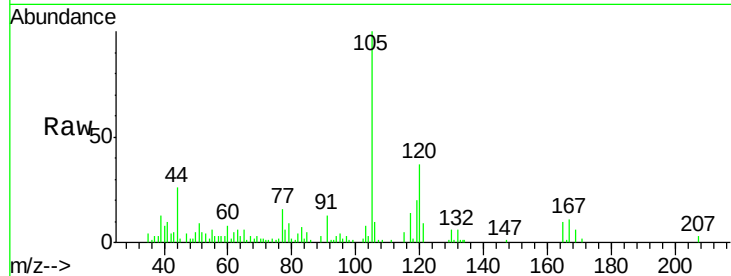
#85
 1,2,4-Trimethylbenzene
 Concen: 1.63 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	38.0	21.9	65.5

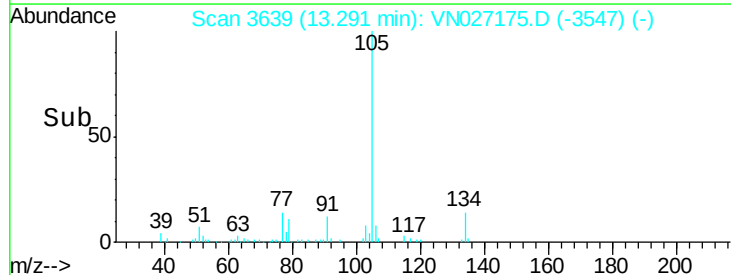
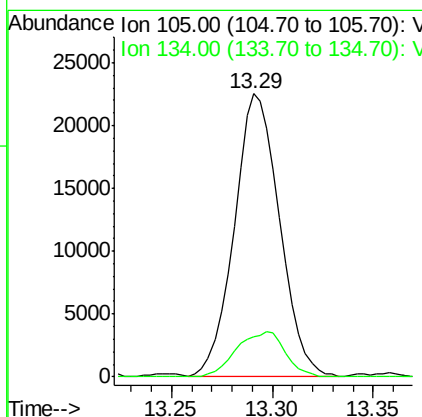
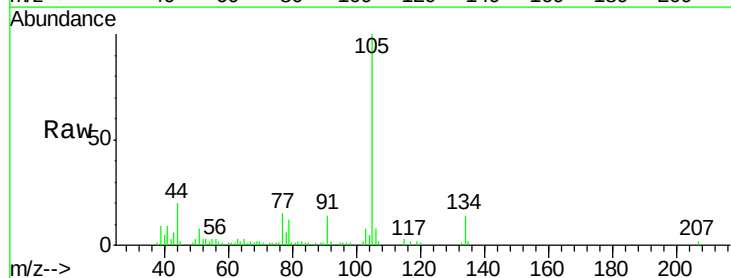
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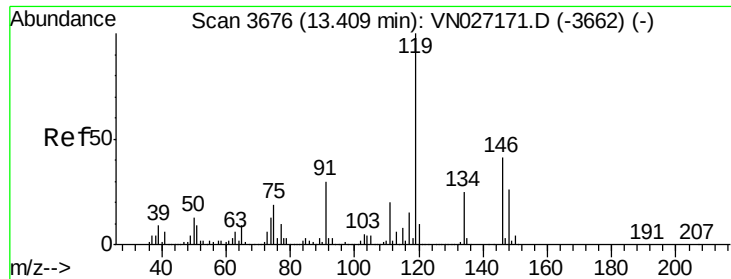
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#86
 sec-Butylbenzene
 Concen: 1.53 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.1	8.8	26.4





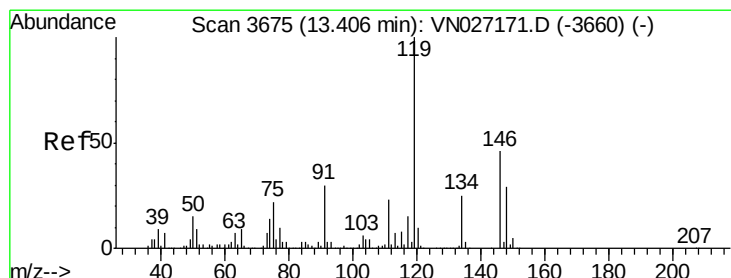
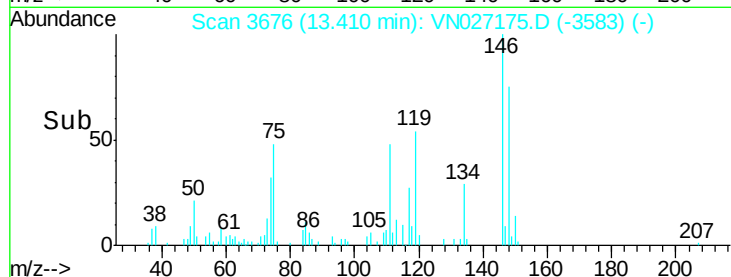
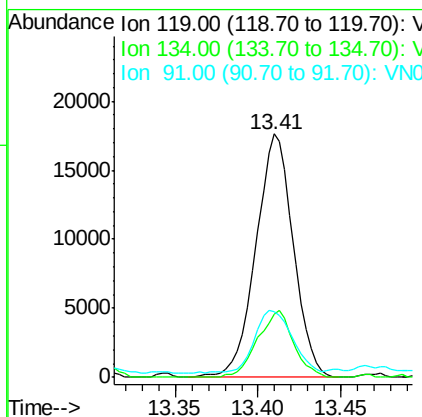
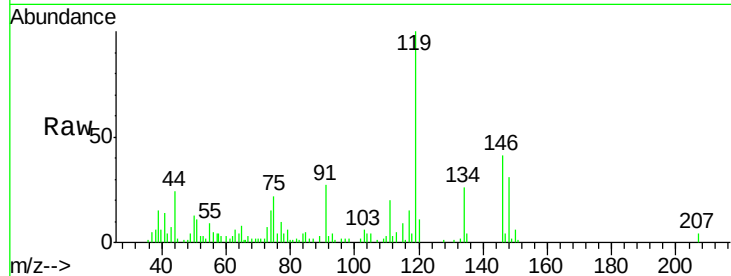
#87
 p-Isopropyltoluene
 Concen: 1.46 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	27598		
134	26.4		12.4	37.0
91	24.9		12.0	36.1

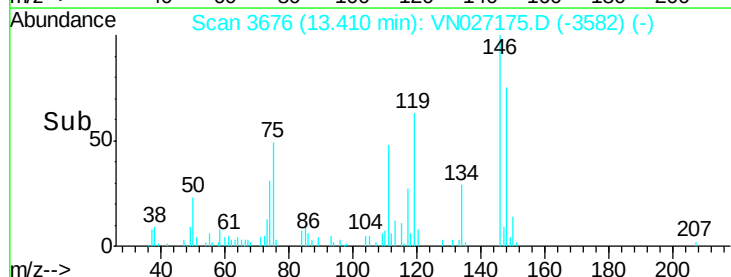
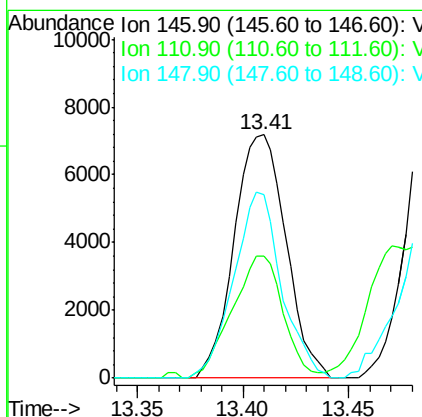
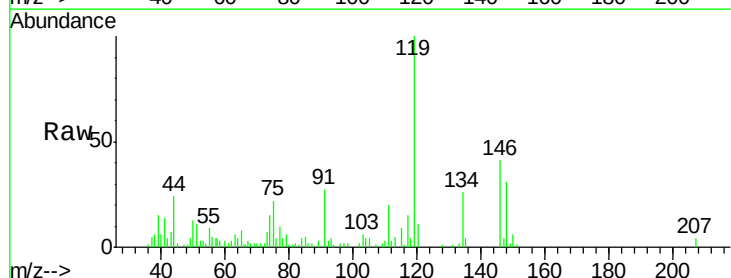
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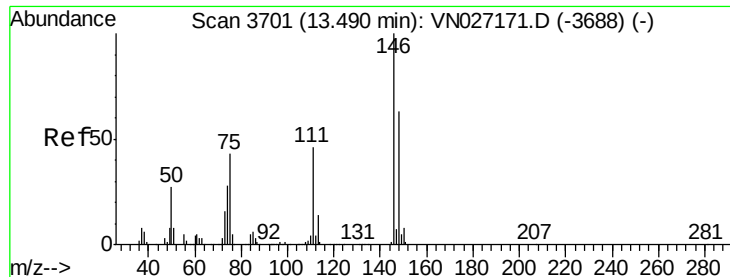
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#88
 1,3-Dichlorobenzene
 Concen: 1.19 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	12258		
111	49.8		21.0	63.0
148	70.4		31.9	95.9





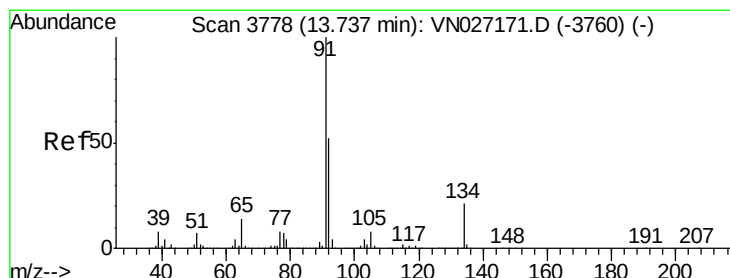
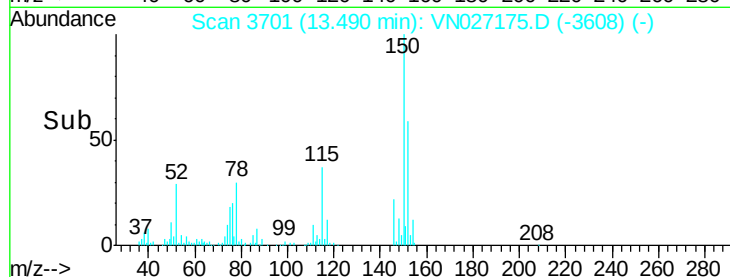
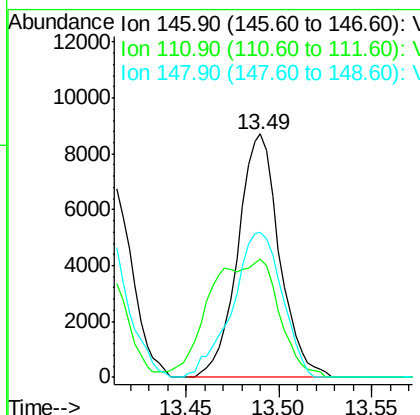
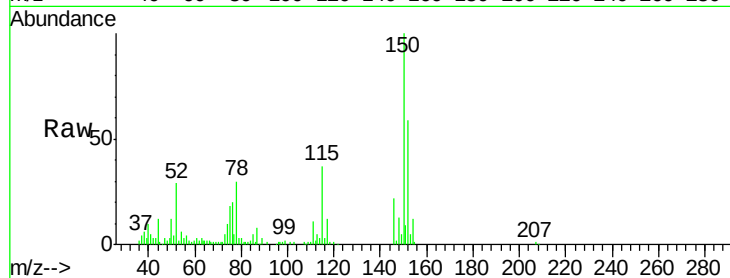
#89
 1,4-Dichlorobenzene
 Concen: 1.31 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	19.9	59.6
148	71.3	31.7	95.1

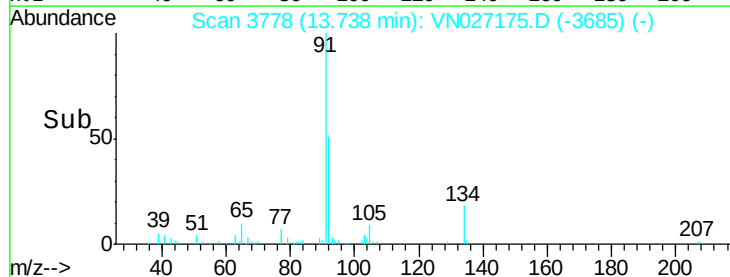
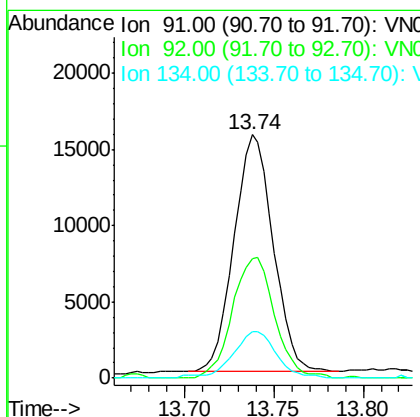
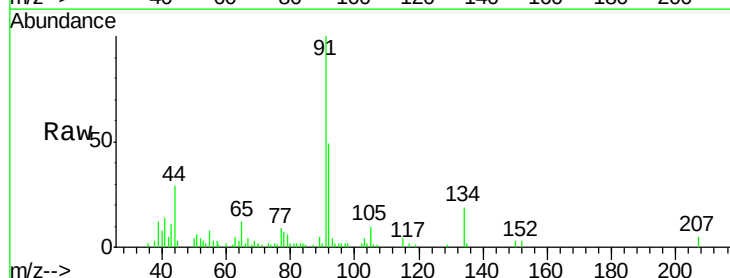
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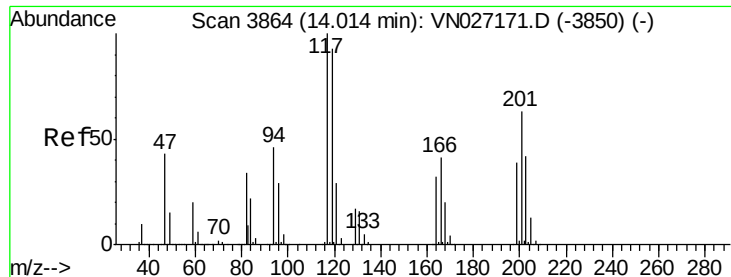
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#90
 n-Butylbenzene
 Concen: 1.46 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.1	78.2
134	21.4	11.1	33.1





#91

Hexachloroethane

Concen: 1.69 ug/l

RT: 14.01 min Scan# 3863

Delta R.T. -0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 6358

Ion Ratio Lower Upper

117 100

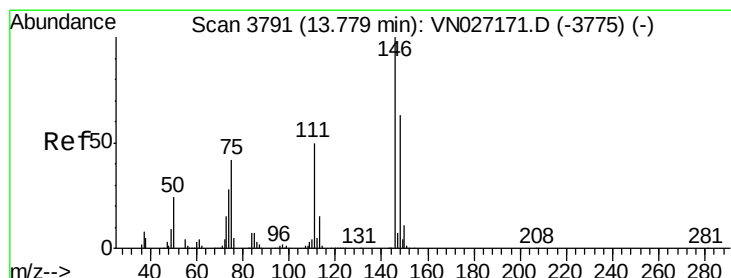
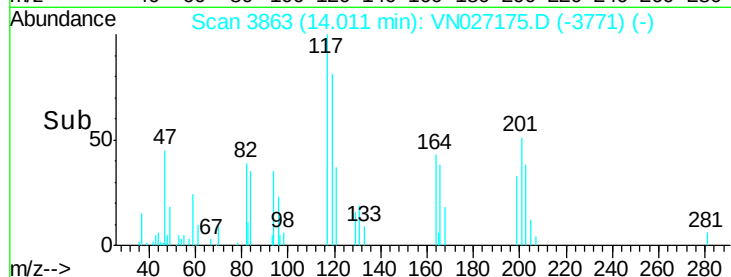
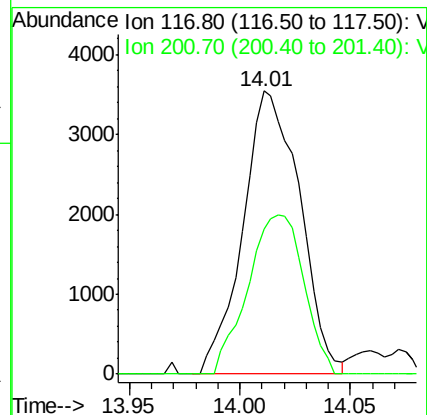
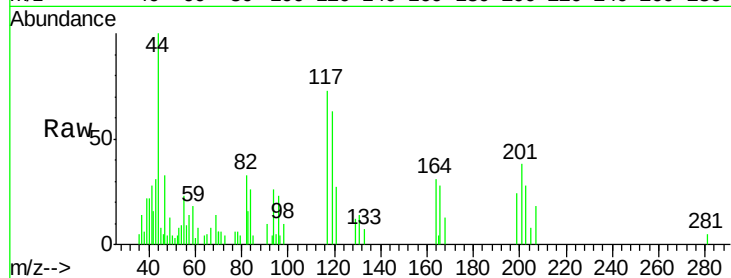
201 55.0 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 1.21 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

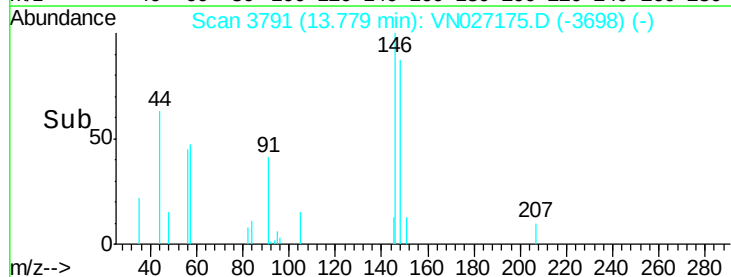
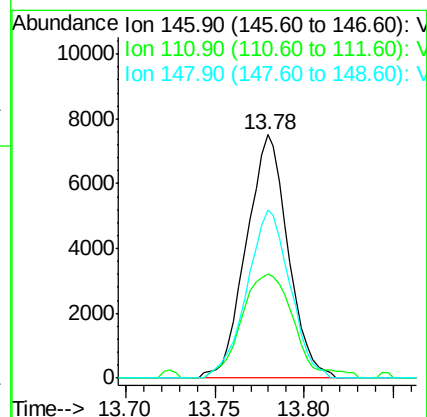
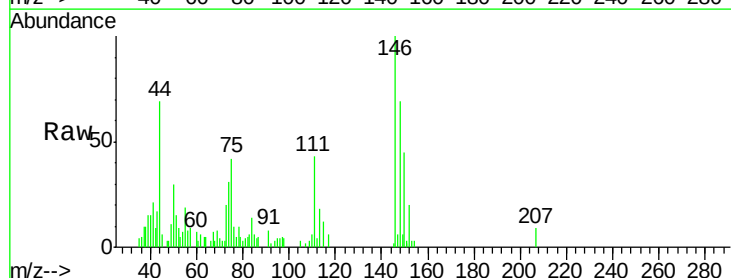
Tgt Ion:146 Resp: 12236

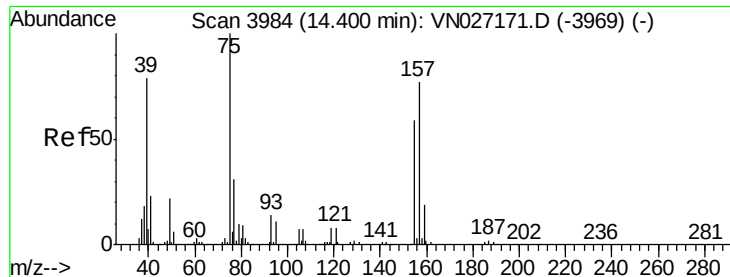
Ion Ratio Lower Upper

146 100

111 53.6 22.1 66.3

148 71.5 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 3.03 ug/l

RT: 14.41 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

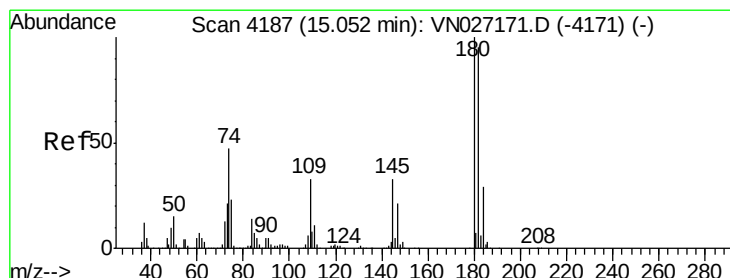
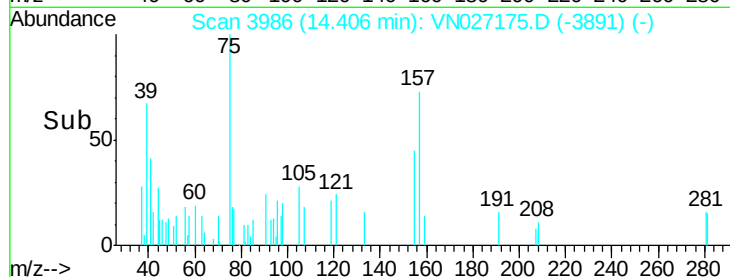
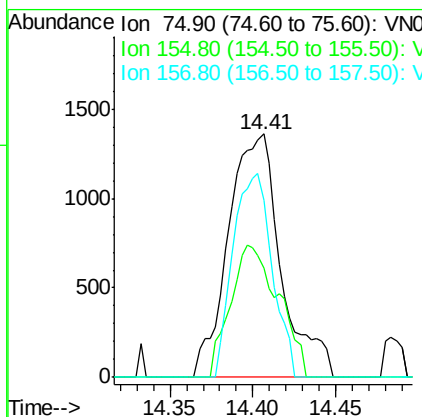
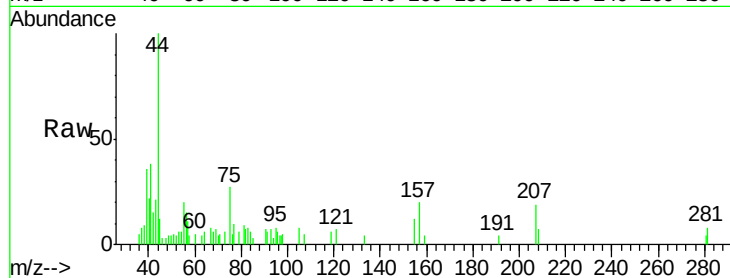
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	3016
Ion	Ratio	Lower	Upper
75	100		
155	49.5	35.6	106.9
157	61.7	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 1.05 ug/l

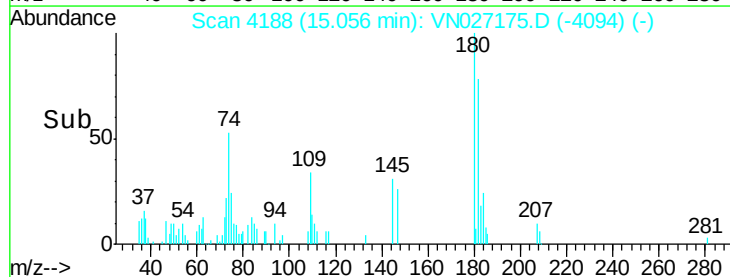
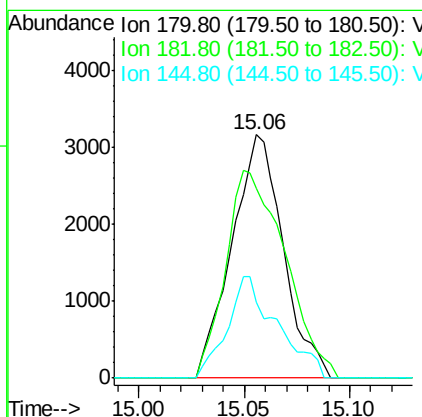
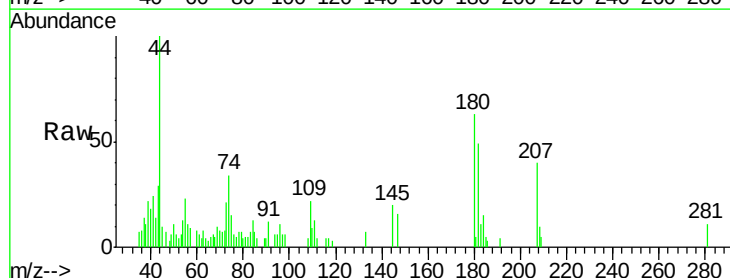
RT: 15.06 min Scan# 4188

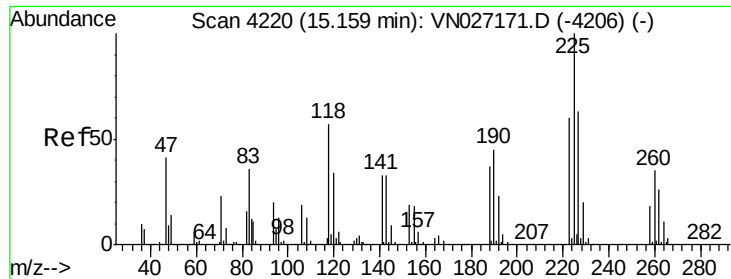
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion:	180	Resp:	5360
Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.5	142.5
145	40.4	15.1	45.3





#95

Hexachlorobutadiene

Concen: 1.17 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Instrument :

MSVOA_N

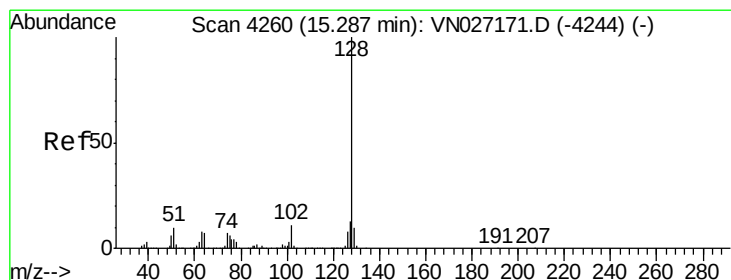
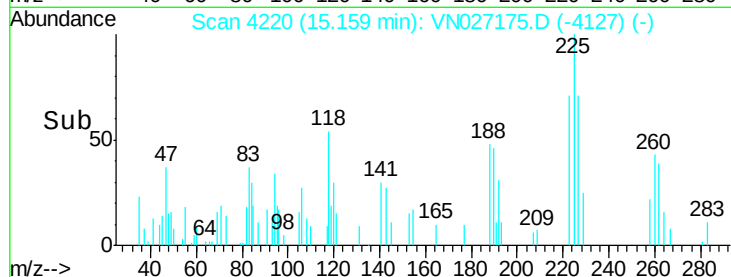
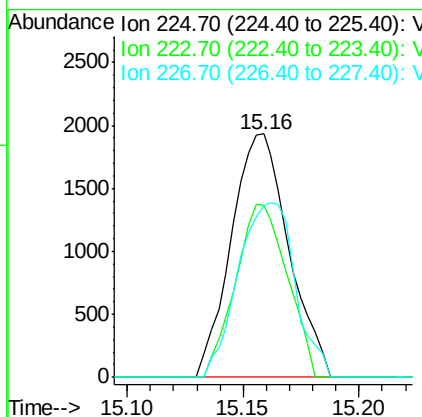
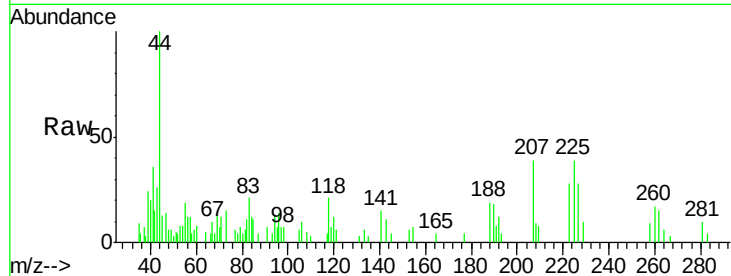
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	3331
Ion Ratio	Lower	Upper	
225	100		
223	64.1	30.8	92.3
227	71.0	31.7	95.1

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#96

Naphthalene

Concen: 1.16 ug/l

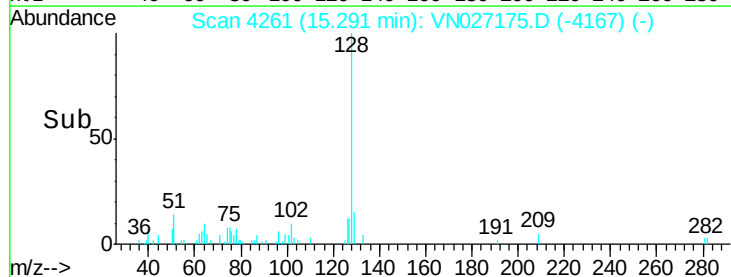
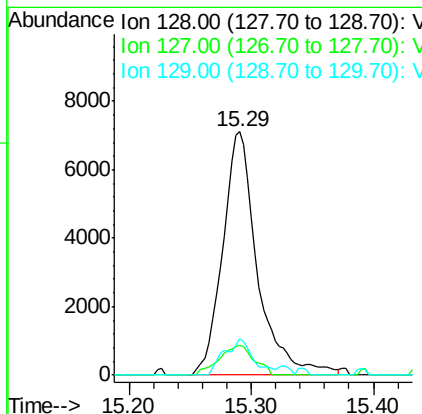
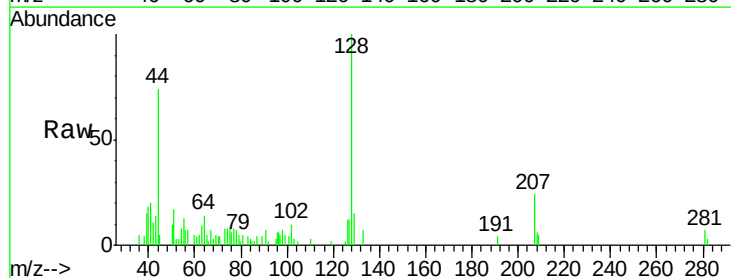
RT: 15.29 min Scan# 4261

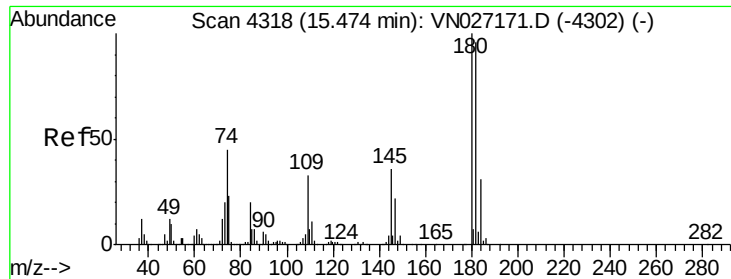
Delta R.T. 0.00 min

Lab File: VN027175.D

Acq: 15 Sep 2015 20:06

Tgt Ion:	128	Resp:	14198
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.4	15.6
129	12.5	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 1.10 ua/l
 RT: 15.48 min Scan# 4319
 Delta R.T. 0.00 min
 Lab File: VN027175.D
 Acq: 15 Sep 2015 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.8	146.4
145	44.1	16.6	49.8

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