

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054117.D
 Acq On : 6 Mar 2019 13:37
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:38:32 AM

Quant Time: Mar 07 06:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	620863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1039160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	867850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7092	1.189	ug/l	88
3) Chloromethane	2.05	50	11161	1.305	ug/l	95
4) Vinyl Chloride	2.18	62	9285	1.149	ug/l	94
5) Bromomethane	2.57	94	8000	1.526	ug/l	98
6) Chloroethane	2.70	64	5984	1.221	ug/l	90
7) Trichlorofluoromethane	3.01	101	11215	1.135	ug/l	99
8) Diethyl Ether	3.41	74	4288	1.090	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.76	101	8038	1.251	ug/l	98
12) 1,1-Dichloroethene	3.74	96	6878	1.147	ug/l	98
14) Allyl chloride	4.32	41	11248	1.041	ug/l	92
15) Acrylonitrile	5.00	53	13423	5.242	ug/l #	85
16) Acetone	3.82	43	13418	5.816	ug/l	96
17) Carbon Disulfide	4.05	76	26010	1.330	ug/l	100
18) Methyl Acetate	4.34	43	7763	1.320	ug/l #	78
19) Methyl tert-butyl Ether	5.05	73	17268	1.026	ug/l	98
20) Methylene Chloride	4.55	84	8649	1.180	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	7738	1.176	ug/l	84
22) Diisopropyl ether	5.95	45	20397	0.969	ug/l #	85
23) Vinyl Acetate	5.90	43	68591	4.588	ug/l	99
24) 1,1-Dichloroethane	5.85	63	14069	1.117	ug/l	97
25) 2-Butanone	6.85	43	15459	5.059	ug/l	94
26) 2,2-Dichloropropane	6.82	77	9710	1.070	ug/l	81
27) cis-1,2-Dichloroethene	6.83	96	7961	1.085	ug/l	99
28) Bromochloromethane	7.19	49	6859	1.091	ug/l #	89
29) Tetrahydrofuran	7.22	42	10294	5.140	ug/l	97
30) Chloroform	7.37	83	13231	1.097	ug/l	90
31) Cyclohexane	7.66	56	23130	1.692	ug/l #	45
32) 1,1,1-Trichloroethane	7.57	97	10925	1.092	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	11471	1.176	ug/l	96
37) Ethyl Acetate	6.94	43	8102m	1.159	ug/l	
38) Carbon Tetrachloride	7.77	117	10451	1.122	ug/l	100
39) Methylcyclohexane	9.08	83	11614	1.032	ug/l	97
40) Benzene	8.04	78	28359	0.983	ug/l	97
41) Methacrylonitrile	7.18	41	3029m	0.713	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.13	62	9353	1.023	ug/l	99
43) Isopropyl Acetate	8.17	43	7632	0.702	ug/l	95
44) Trichloroethene	8.84	130	8420	1.088	ug/l	98
45) 1,2-Dichloropropane	9.12	63	8444	1.061	ug/l	93
46) Dibromomethane	9.21	93	4493	0.989	ug/l	93
47) Bromodichloromethane	9.40	83	9480	0.997	ug/l #	97
48) Methyl methacrylate	9.20	41	4363	0.813	ug/l #	79
49) 1,4-Dioxane	9.19	88	1382m	19.486	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	27511	4.418	ug/l	97
52) Toluene	10.15	92	16365	0.957	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	8711	0.929	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	10394	0.937	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	6585	1.023	ug/l	98
56) Ethyl methacrylate	10.43	69	6164	0.816	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	10777	0.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	14480	4.186	ug/l	96
59) 2-Hexanone	10.76	43	18253	4.443	ug/l	95
60) Dibromochloromethane	10.90	129	6410	0.931	ug/l	96
61) 1,2-Dibromoethane	11.01	107	6045	0.987	ug/l	99
64) Tetrachloroethene	10.63	164	7506	1.054	ug/l	97
65) Chlorobenzene	11.44	112	19790	1.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	6543	1.012	ug/l #	64
67) Ethyl Benzene	11.51	91	30357	1.004	ug/l	99
68) m/p-Xylenes	11.62	106	22459	1.969	ug/l	100
69) o-Xylene	11.95	106	10301	0.939	ug/l	96
70) Styrene	11.97	104	16247	0.933	ug/l	99
71) Bromoform	12.13	173	4134	0.929	ug/l #	95
73) Isopropylbenzene	12.25	105	28281	1.175	ug/l	97
74) N-amyl acetate	12.07	43	5818	0.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	7956	1.271	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	5416m	1.146	ug/l	
77) Bromobenzene	12.52	156	8125	1.311	ug/l	95
78) n-propylbenzene	12.59	91	29967	1.107	ug/l	100
79) 2-Chlorotoluene	12.67	91	19064	1.159	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	21159	1.082	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	1443	0.962	ug/l #	79
82) 4-Chlorotoluene	12.77	91	19369	1.182	ug/l	97
83) tert-Butylbenzene	12.99	119	19115	1.104	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	19645	1.012	ug/l	99
85) sec-Butylbenzene	13.17	105	26407	1.123	ug/l	98
86) p-Isopropyltoluene	13.29	119	21345	1.080	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	12691	1.205	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	13425m	1.285	ug/l	
89) n-Butylbenzene	13.62	91	18352	1.100	ug/l	98
90) Hexachloroethane	13.88	117	4505	1.189	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	13518	1.290	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	963	1.097	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	5817	1.163	ug/l	90
94) Hexachlorobutadiene	15.01	225	5497	1.465	ug/l	92
95) Naphthalene	15.13	128	12291	1.191	ug/l #	91

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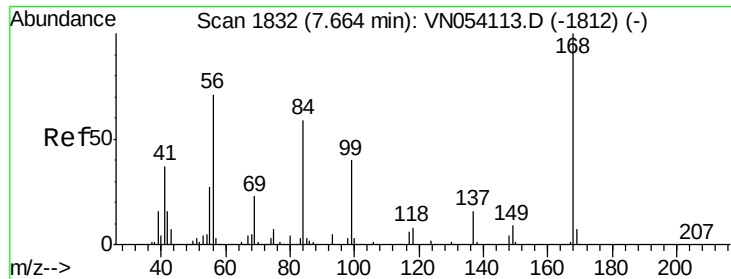
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	6590	1.309	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 620863

Ion Ratio Lower Upper

168 100

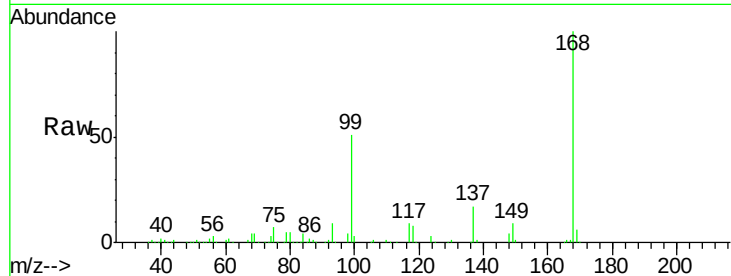
99 51.0 41.1 61.7

Manual Integrations

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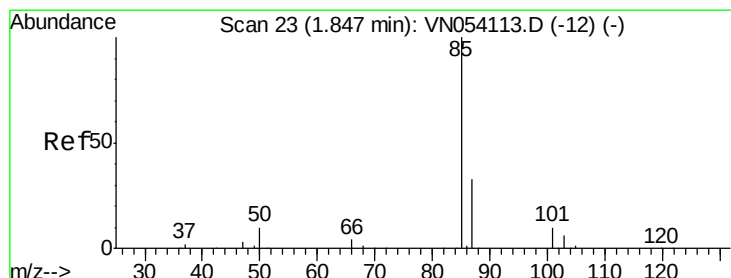
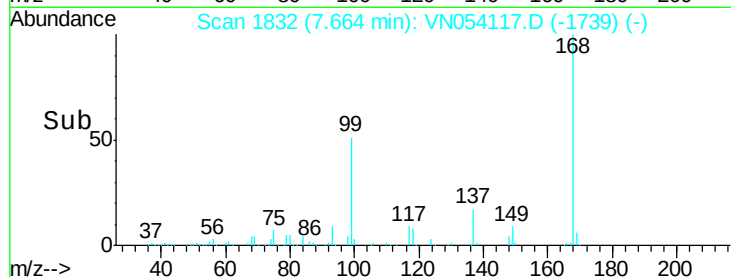
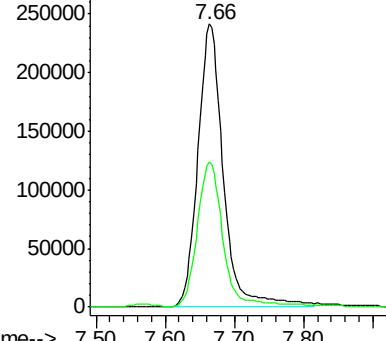
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 1.189 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054117.D

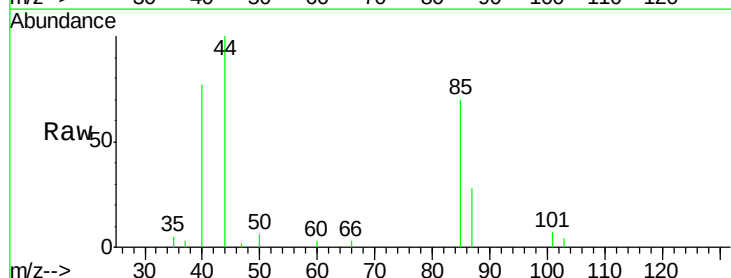
Acq: 6 Mar 2019 13:37

Tgt Ion: 85 Resp: 7092

Ion Ratio Lower Upper

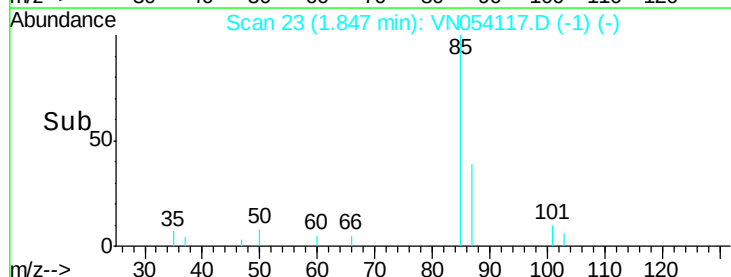
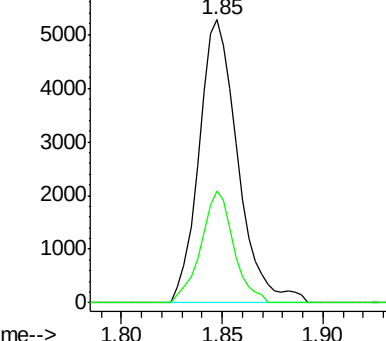
85 100

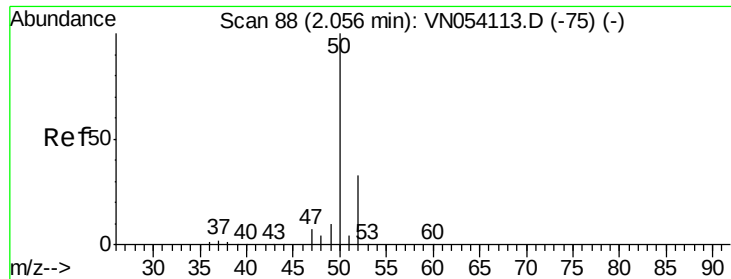
87 39.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 1.305 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 11161

Ion Ratio Lower Upper

50 100

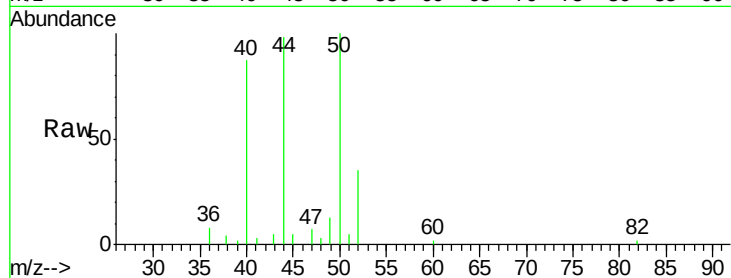
52 35.2 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

8000

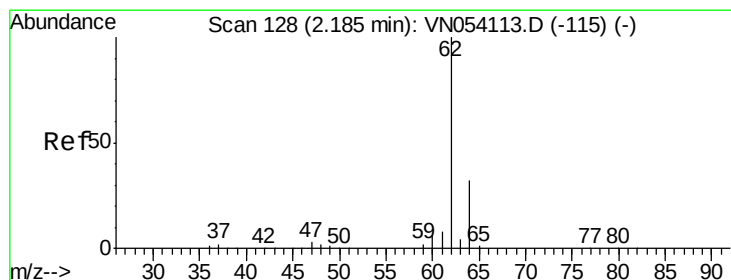
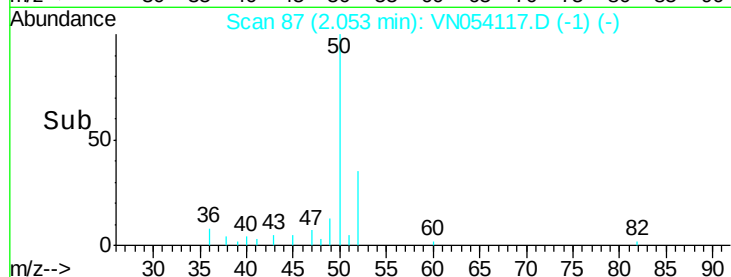
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 1.149 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN054117.D

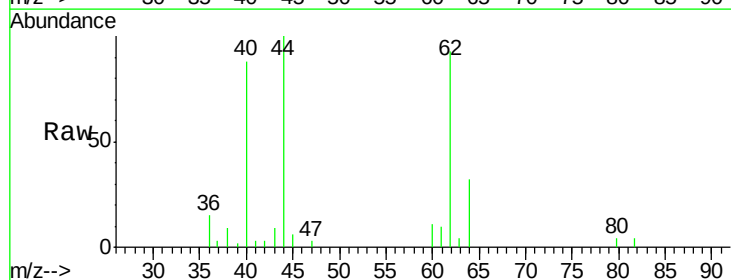
Acq: 6 Mar 2019 13:37

Tgt Ion: 62 Resp: 9285

Ion Ratio Lower Upper

62 100

64 34.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

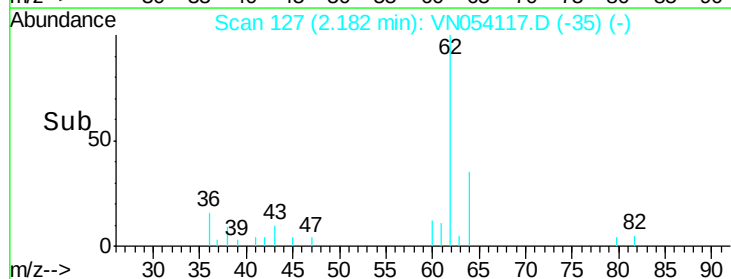
6000

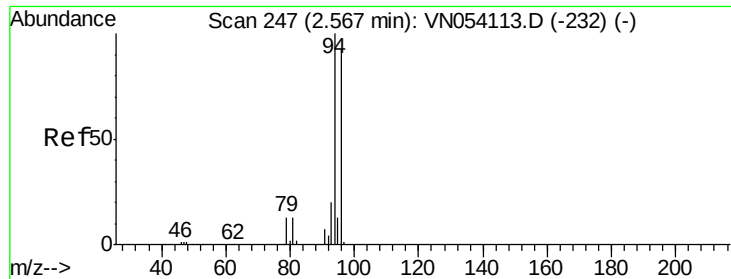
4000

2000

0

Time-->





#5

Bromomethane

Concen: 1.526 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 8000

Ion Ratio Lower Upper

94 100

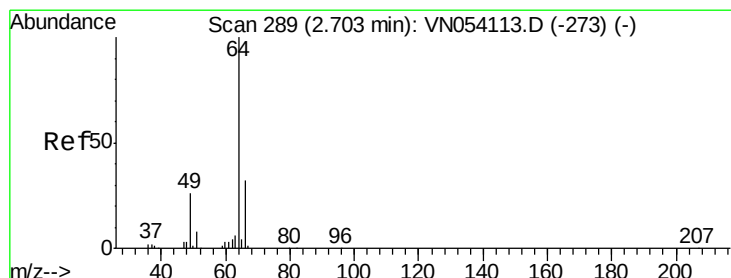
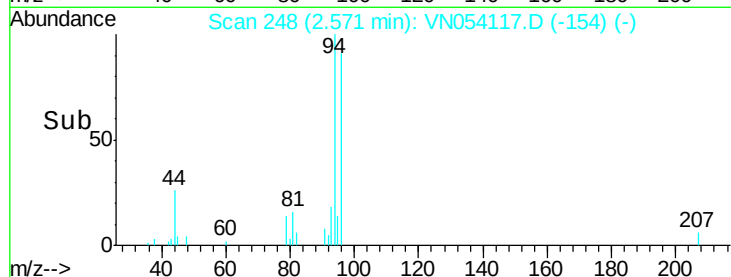
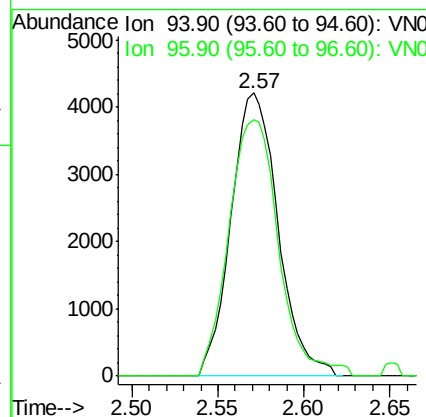
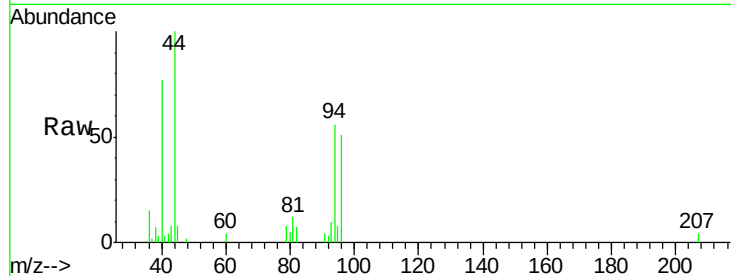
96 90.8 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 1.221 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN054117.D

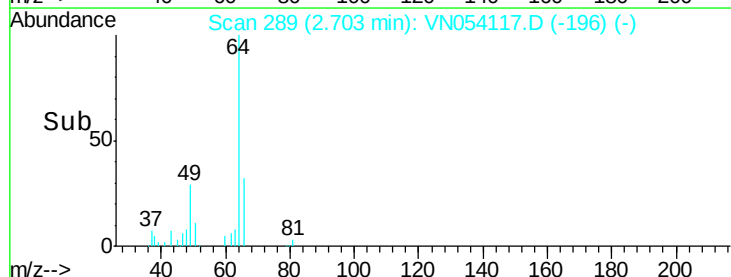
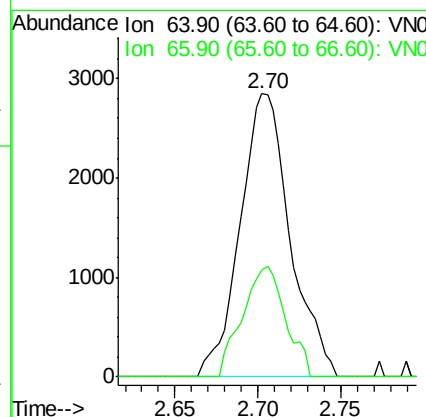
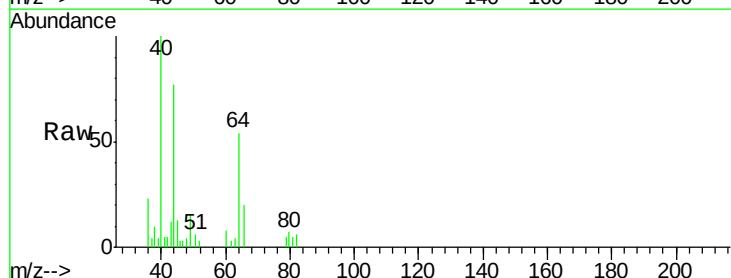
Acq: 6 Mar 2019 13:37

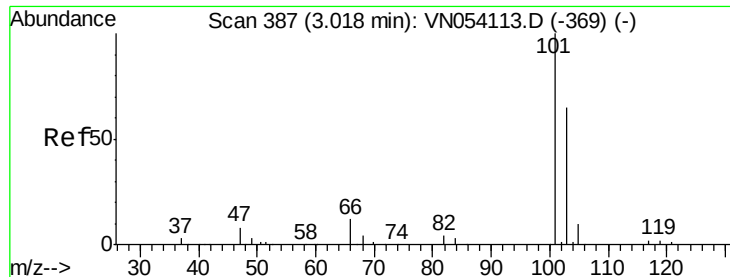
Tgt Ion: 64 Resp: 5984

Ion Ratio Lower Upper

64 100

66 37.6 25.4 38.2





#7

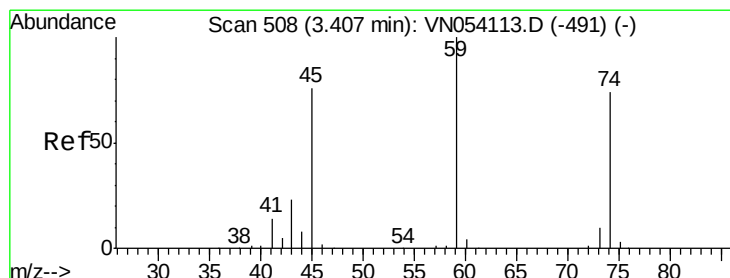
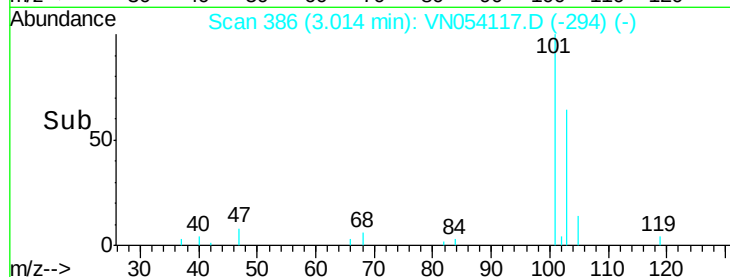
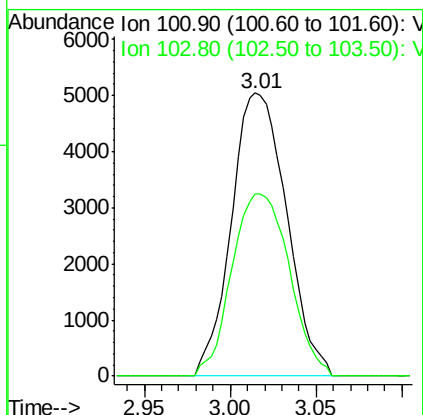
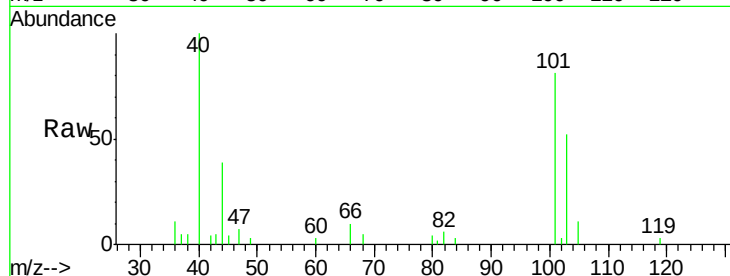
Trichlorofluoromethane
Concen: 1.135 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 11215
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

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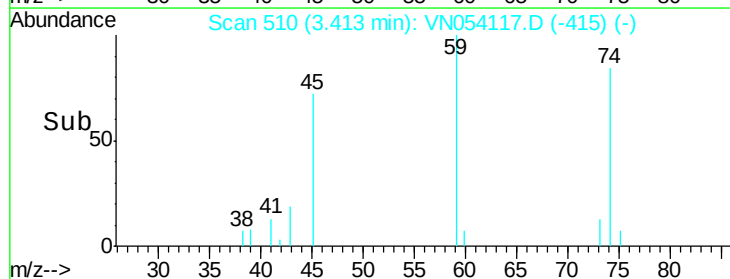
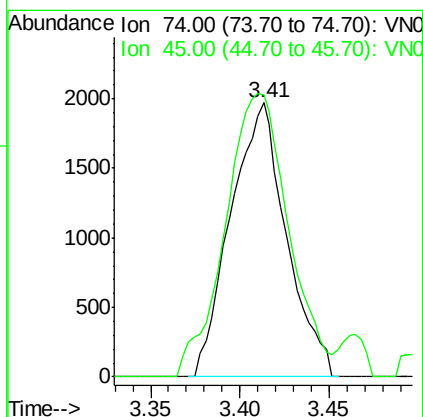
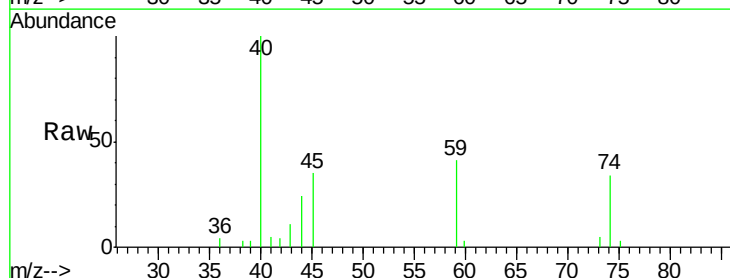
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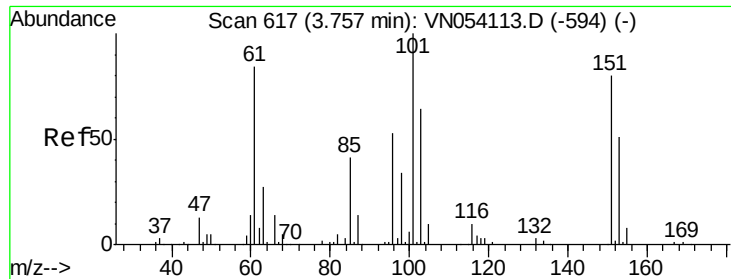


#8

Diethyl Ether
Concen: 1.090 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion: 74 Resp: 4288
Ion Ratio Lower Upper
74 100
45 117.9 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.251 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

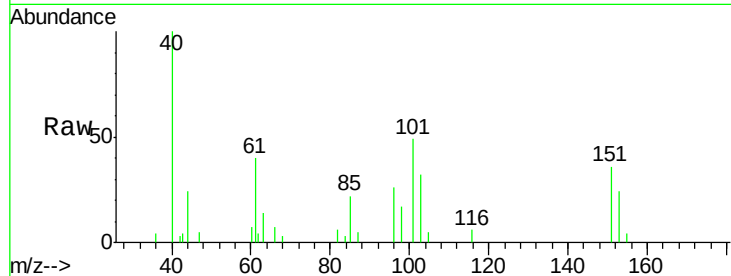
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	8038
Ion	Ratio	Lower	Upper
101	100		
85	41.0	33.1	49.7
151	78.5	64.3	96.5

Manual Integrations
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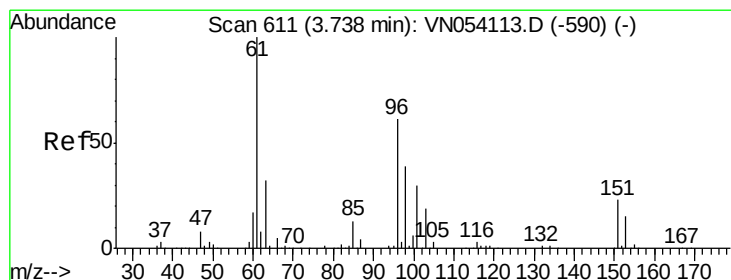
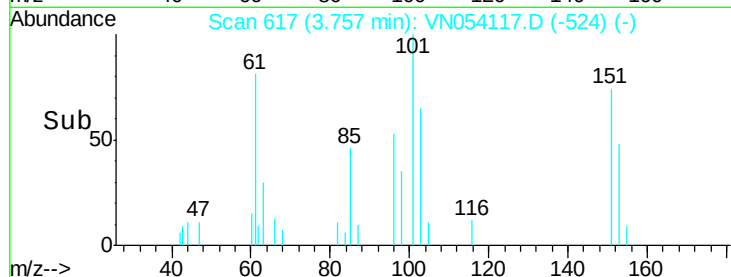
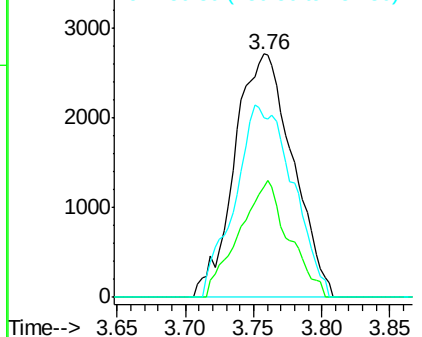
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.147 ug/l

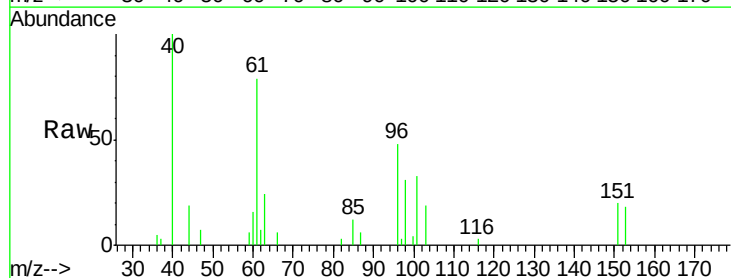
RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

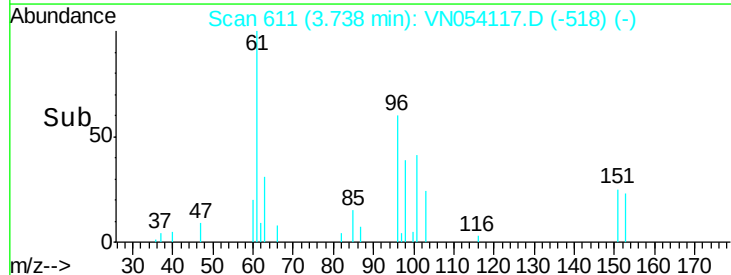
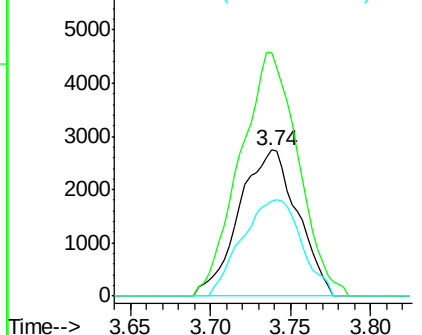
Tgt Ion:	96	Resp:	6878
Ion	Ratio	Lower	Upper
96	100		
61	166.9	131.2	196.8
98	65.1	50.7	76.1

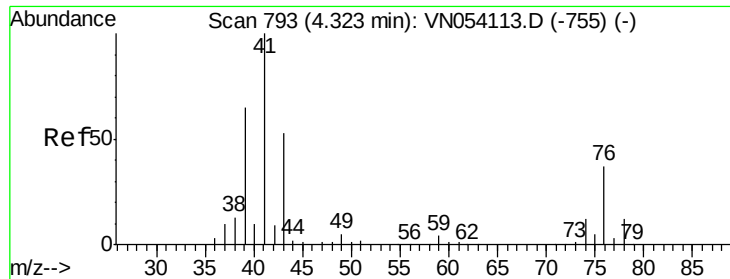


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





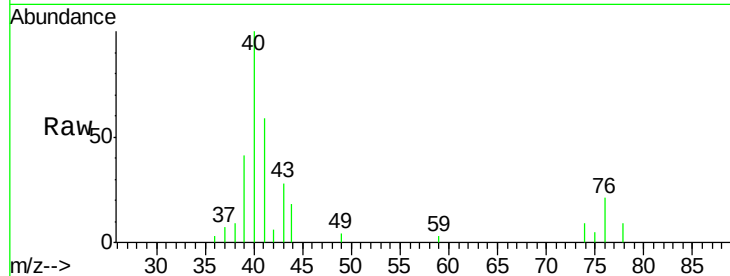
#14
Allvl chloride
Concen: 1.041 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

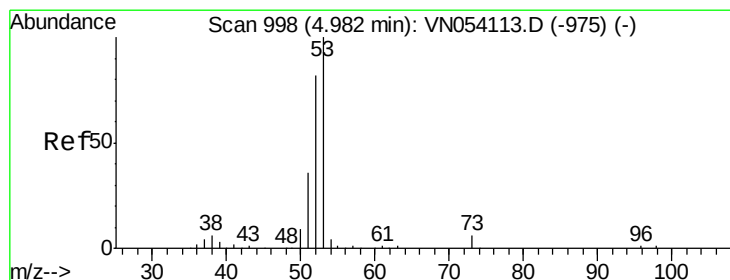
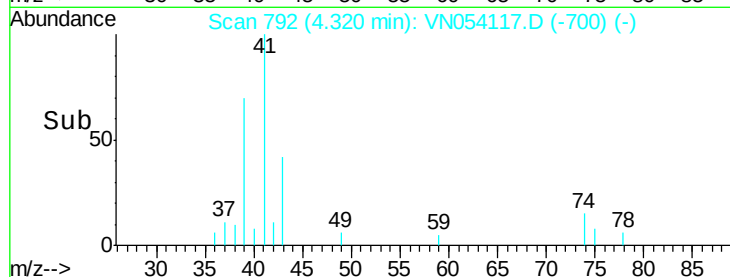
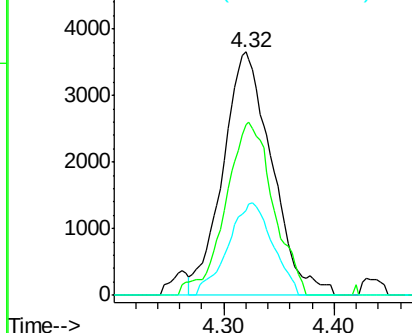
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.3	49.3	73.9
76	34.8	26.5	39.7

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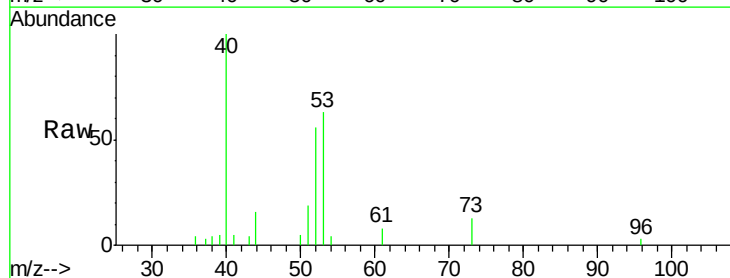


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

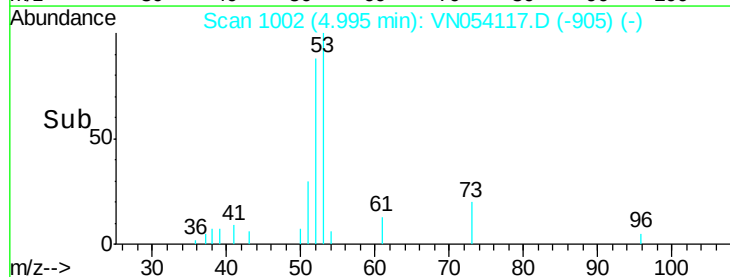
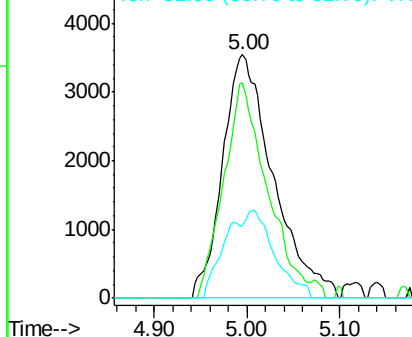


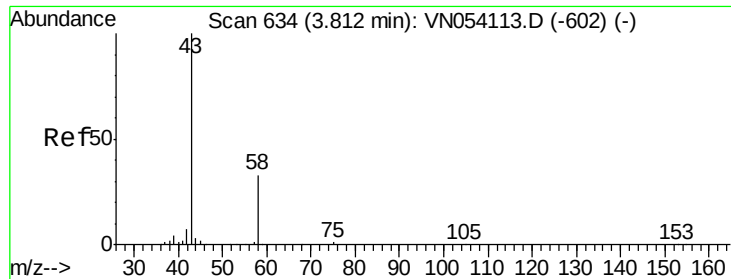
#15
Acrylonitrile
Concen: 5.242 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
53	100		
52	75.6	64.6	97.0
51	14.2	28.6	42.8#



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0





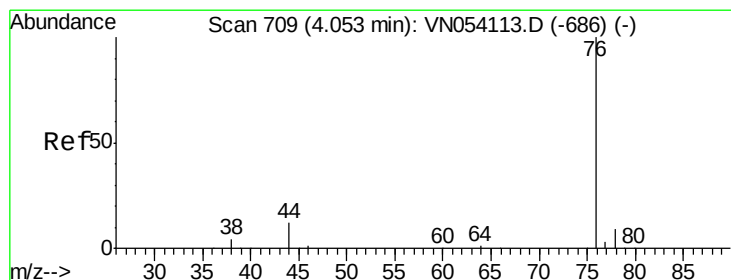
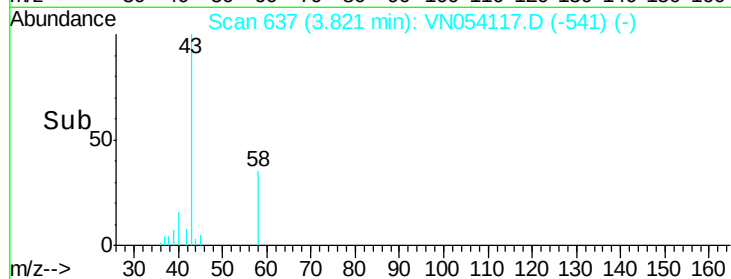
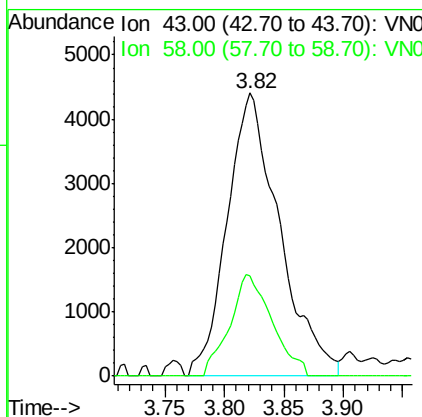
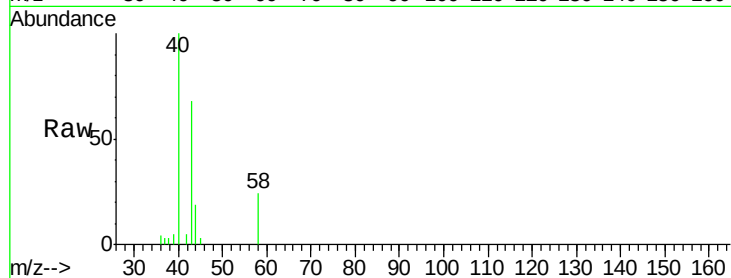
#16
Acetone
Concen: 5.816 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	26.5	39.7

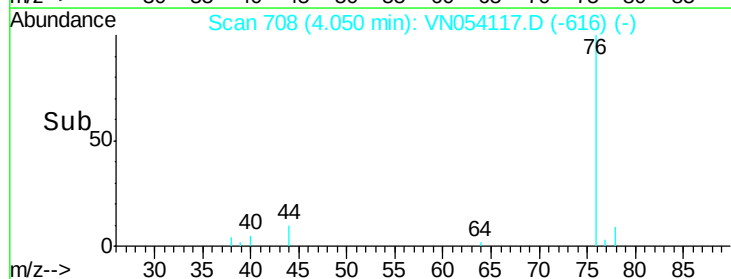
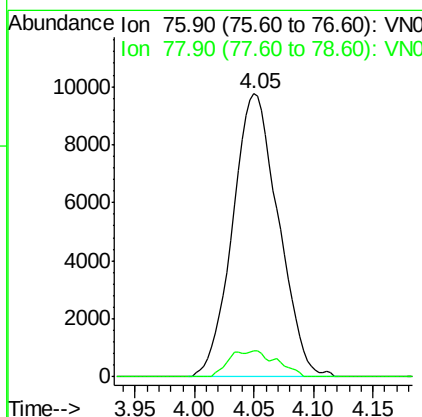
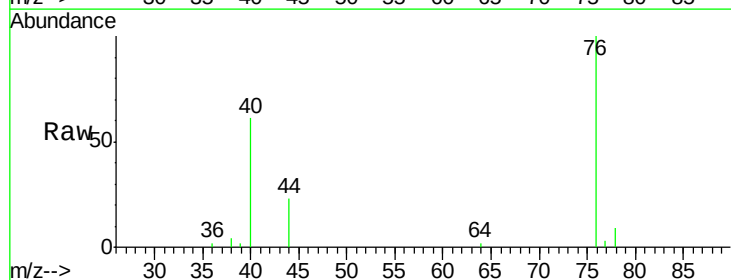
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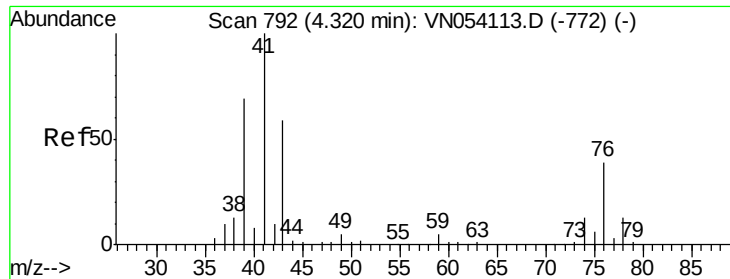
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3/7/2019 11:38:32 AM



#17
Carbon Disulfide
Concen: 1.330 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9





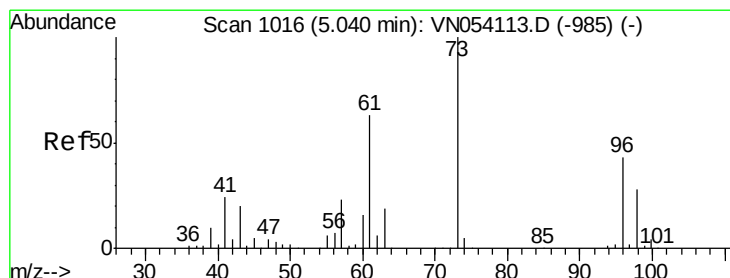
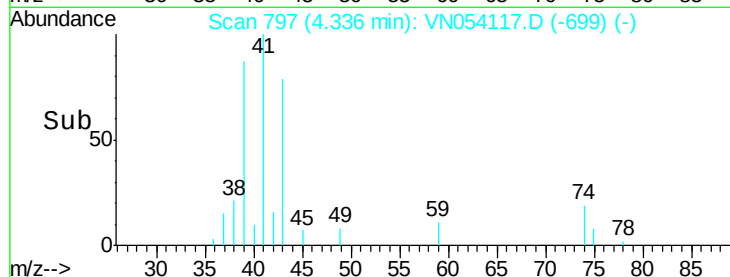
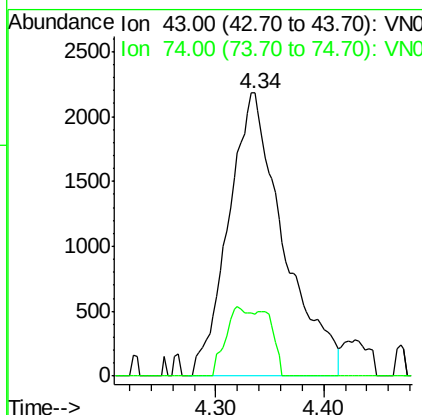
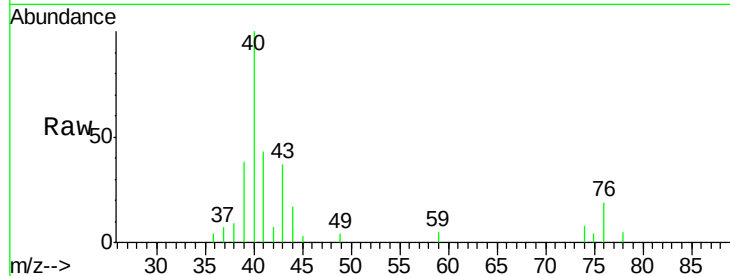
#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.02 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 7763
Ion Ratio Lower Upper
43 100
74 12.0 18.2 27.2#

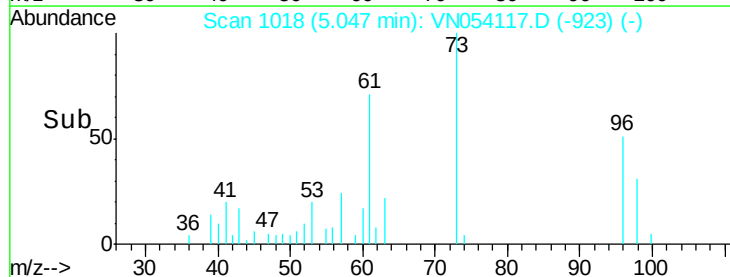
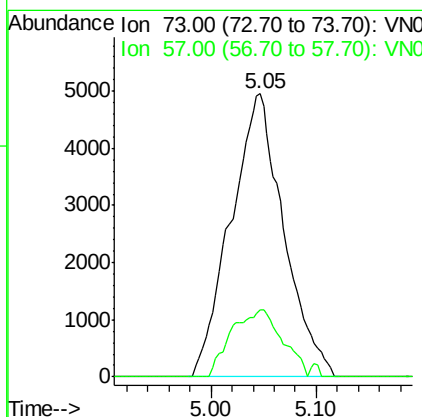
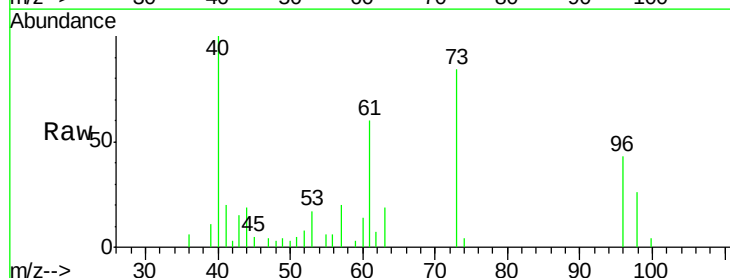
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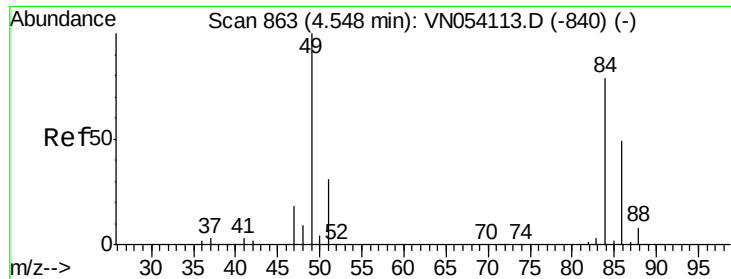
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#19
Methyl tert-butyl Ether
Concen: 1.026 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion: 73 Resp: 17268
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4





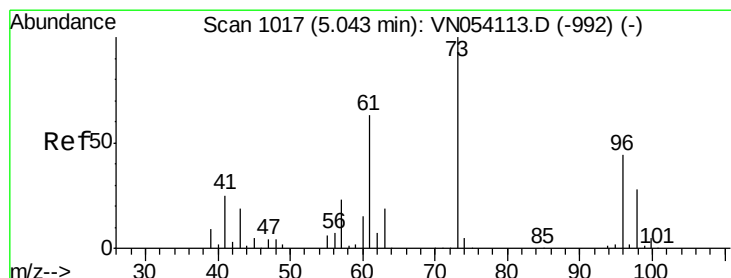
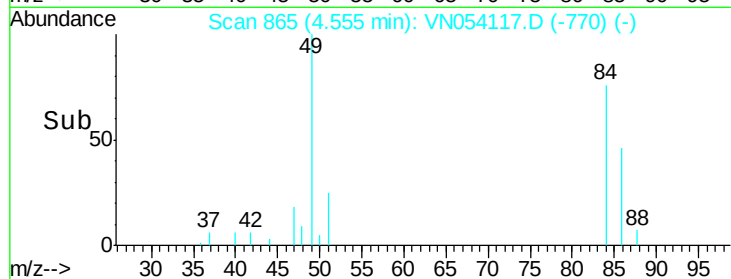
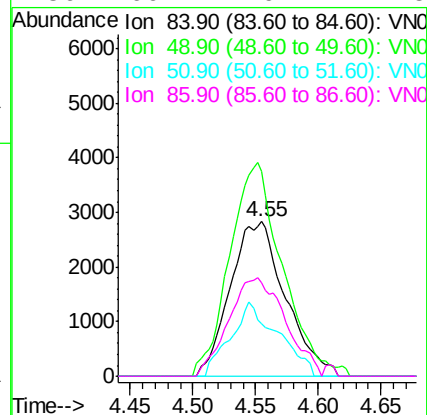
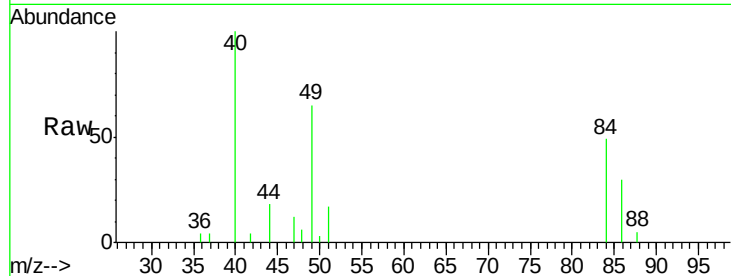
#20
Methylene Chloride
Concen: 1.180 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	8649
Ion	Ratio	Lower	Upper
84	100		
49	132.2	101.8	152.8
51	33.7	31.1	46.7
86	60.2	49.7	74.5

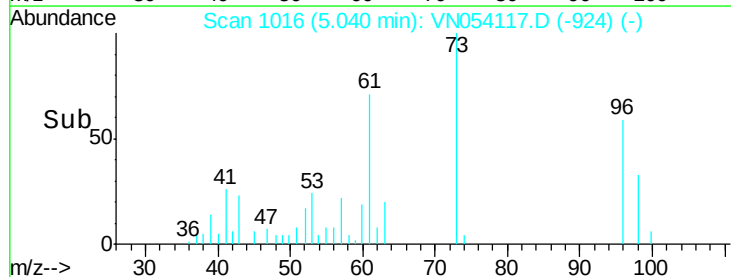
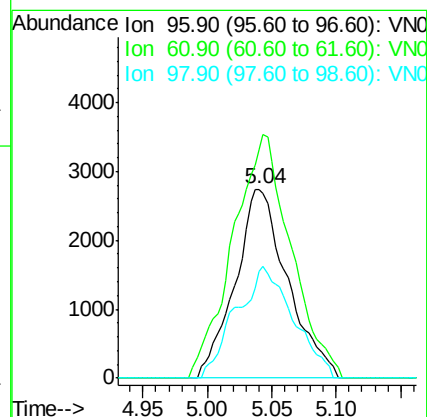
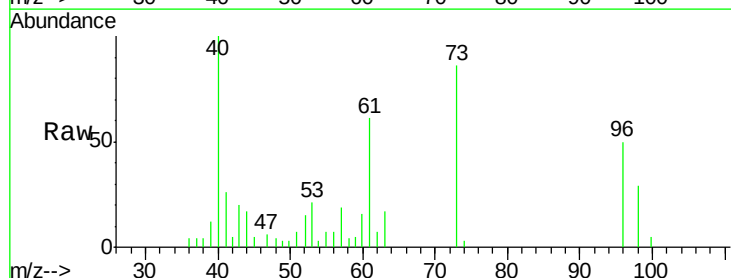
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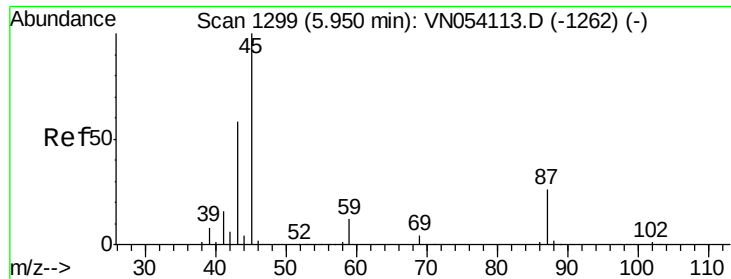
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#21
trans-1,2-Dichloroethene
Concen: 1.176 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion:	96	Resp:	7738
Ion	Ratio	Lower	Upper
96	100		
61	120.5	114.8	172.2
98	56.7	51.4	77.0





#22

Diisopropyl ether

Concen: 0.969 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

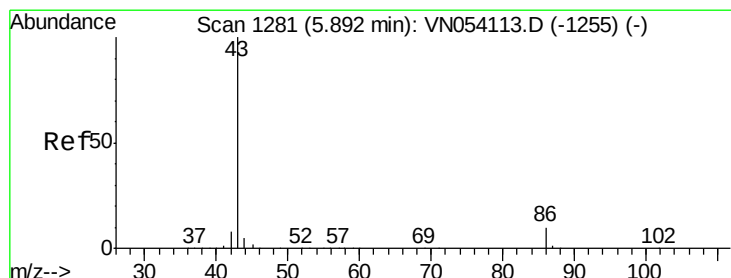
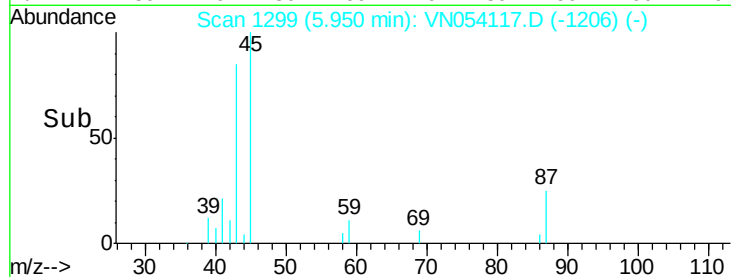
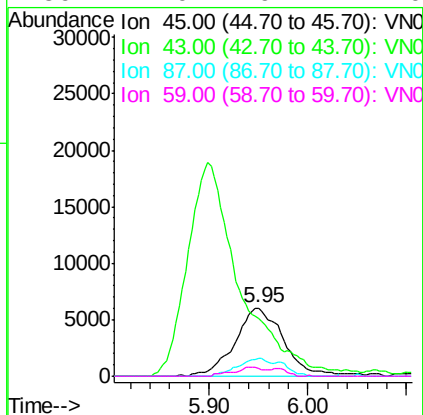
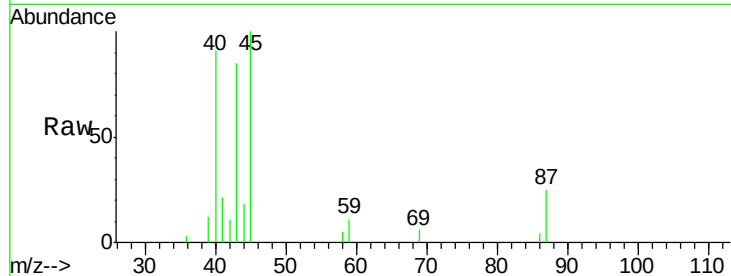
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	20397
Ion Ratio	Lower	Upper	
45	100		
43	75.2	46.2	69.4#
87	25.5	20.6	31.0
59	11.0	9.4	14.0

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#23

Vinyl Acetate

Concen: 4.588 ug/l

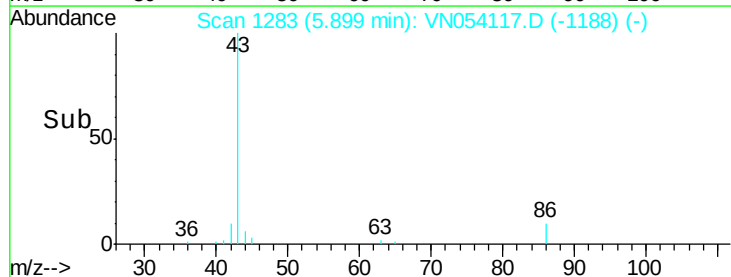
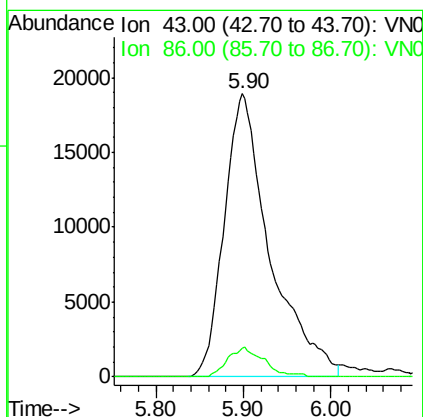
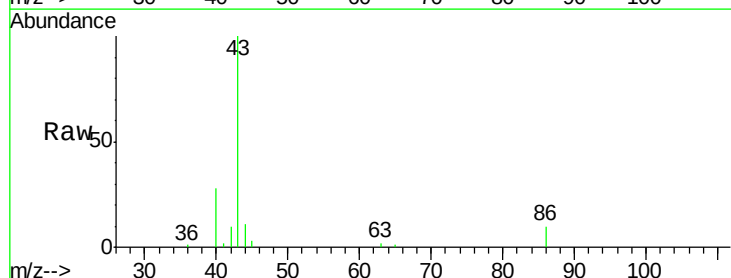
RT: 5.90 min Scan# 1283

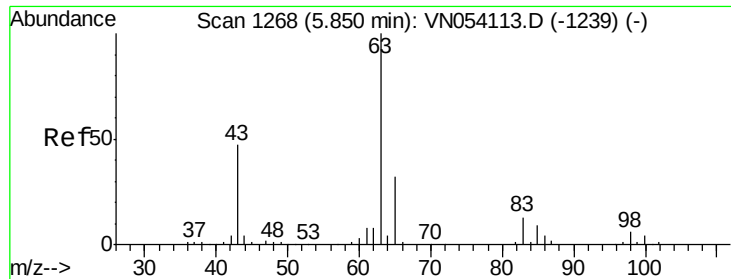
Delta R.T. 0.01 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	43	Resp:	68591
Ion Ratio	Lower	Upper	
43	100		
86	10.2	7.8	11.8





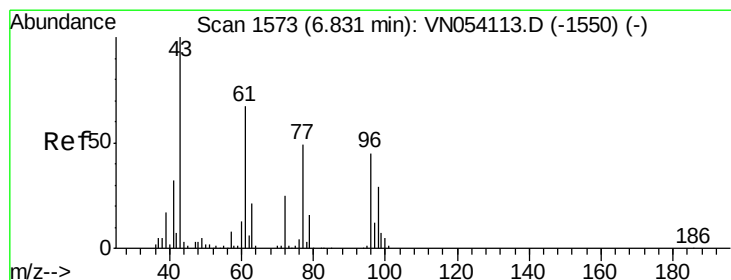
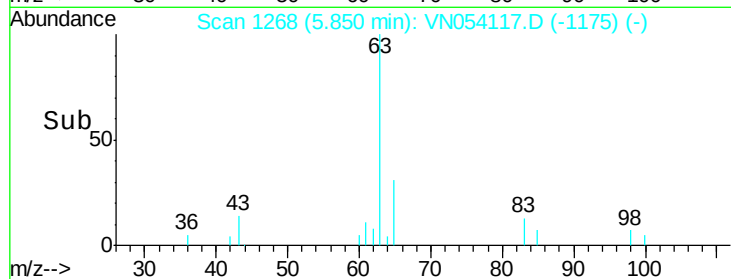
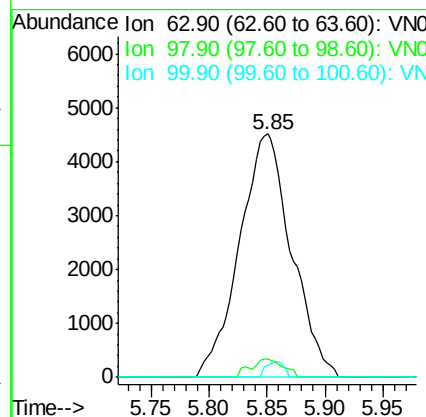
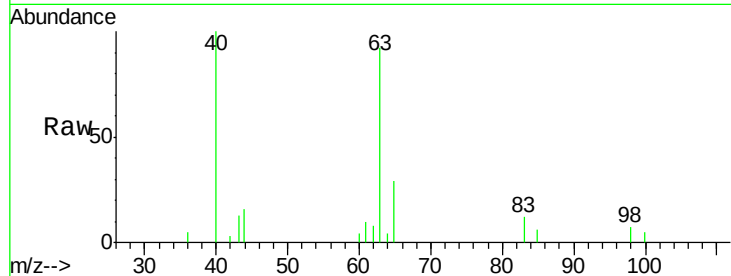
#24
 1,1-Dichloroethane
 Concen: 1.117 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.4	3.1	9.4	
100	5.0	2.0	6.0	

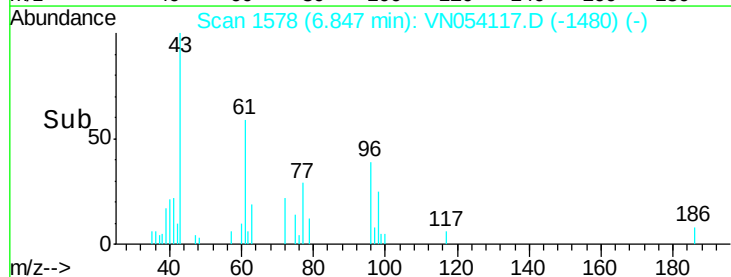
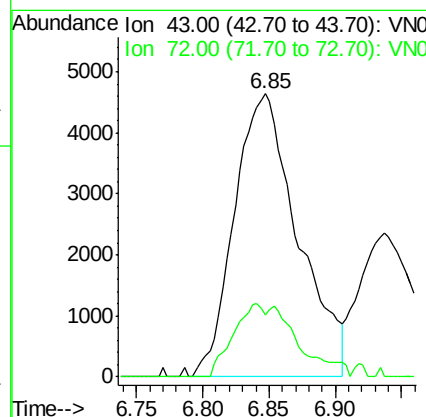
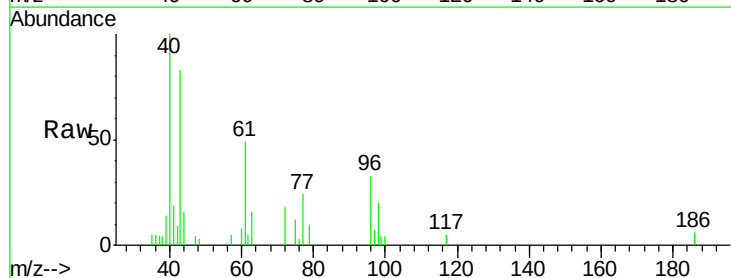
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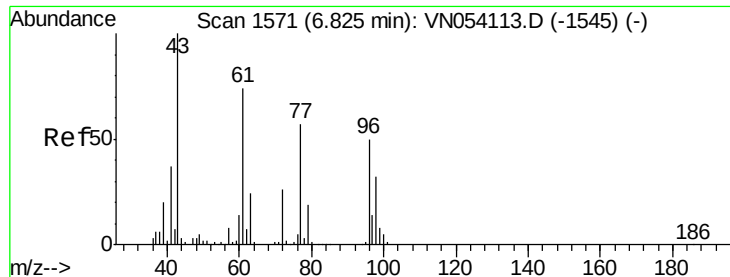
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#25
 2-Butanone
 Concen: 5.059 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
72	22.0	20.2	30.2	





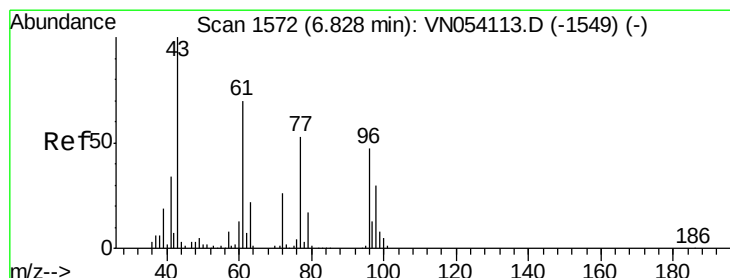
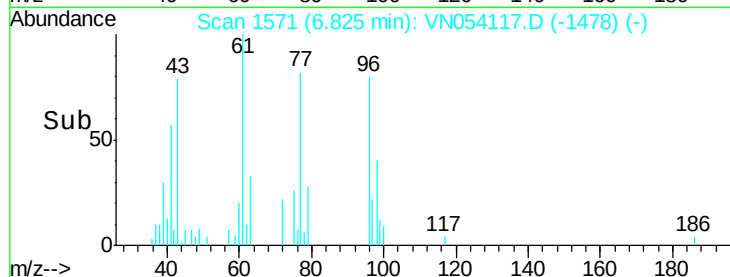
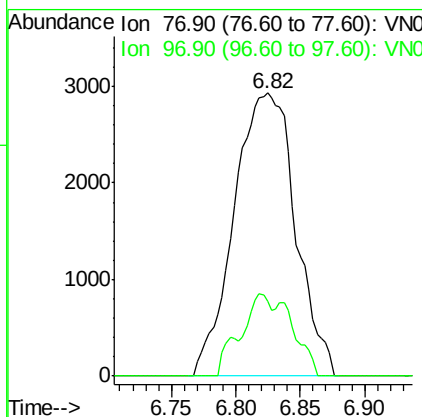
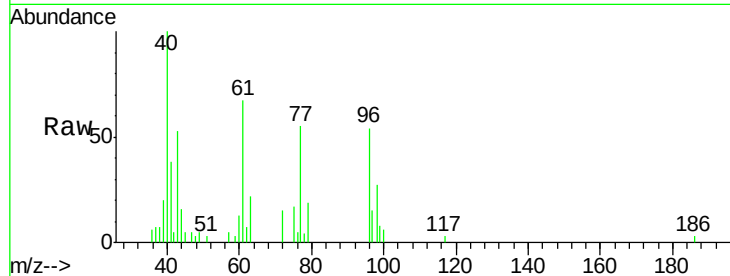
#26
 2,2-Dichloropropane
 Concen: 1.070 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 9710
 Ion Ratio Lower Upper
 77 100
 97 14.4 11.8 35.3

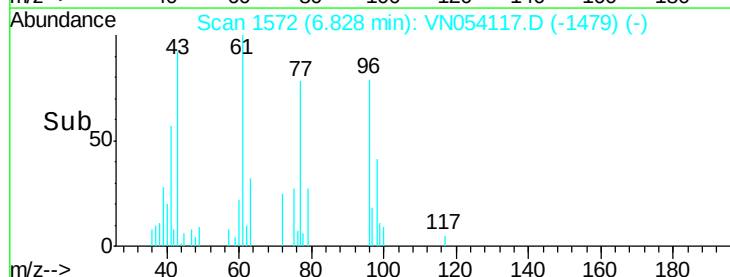
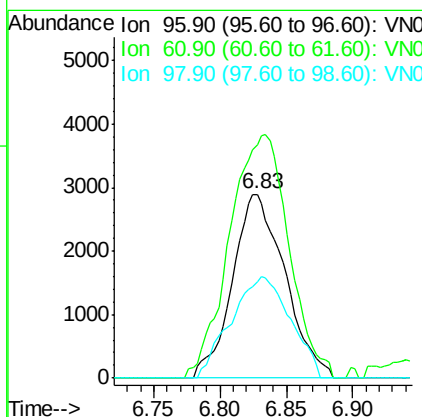
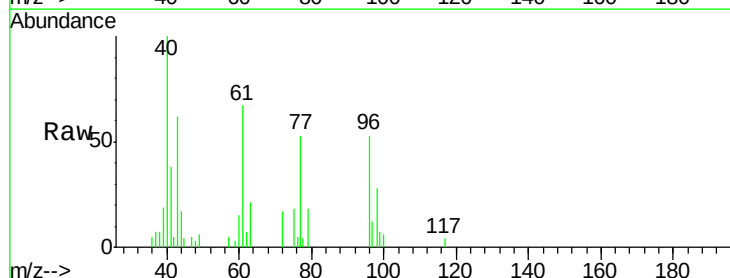
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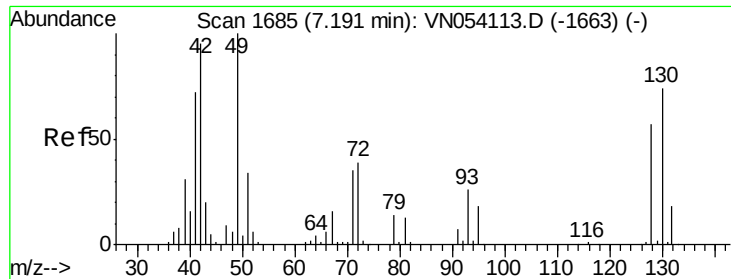
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#27
 cis-1,2-Dichloroethene
 Concen: 1.085 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion: 96 Resp: 7961
 Ion Ratio Lower Upper
 96 100
 61 149.7 0.0 297.0
 98 62.5 0.0 129.4





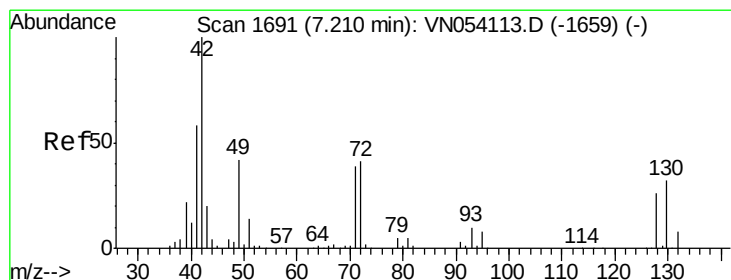
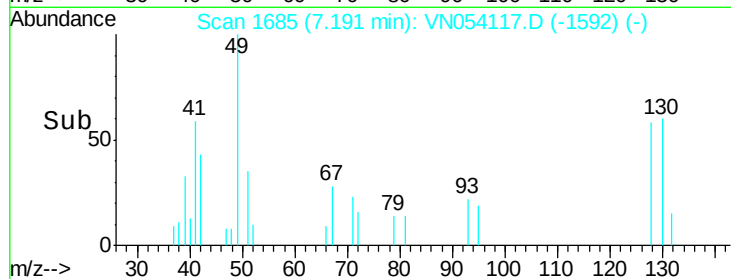
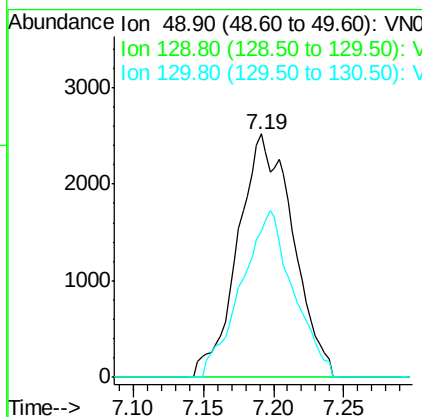
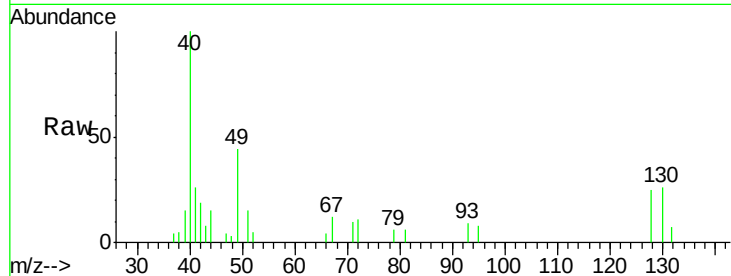
#28
Bromochloromethane
Concen: 1.091 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	64.9	59.4	89.2

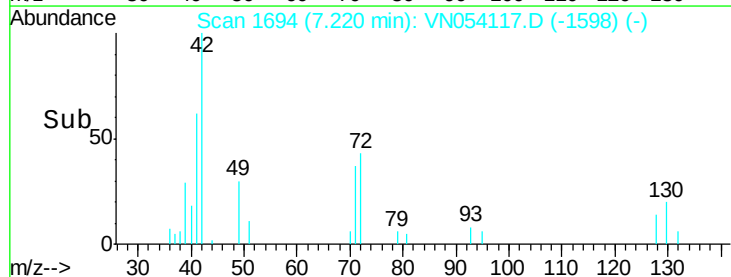
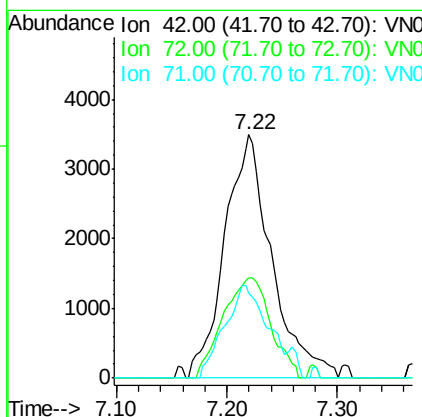
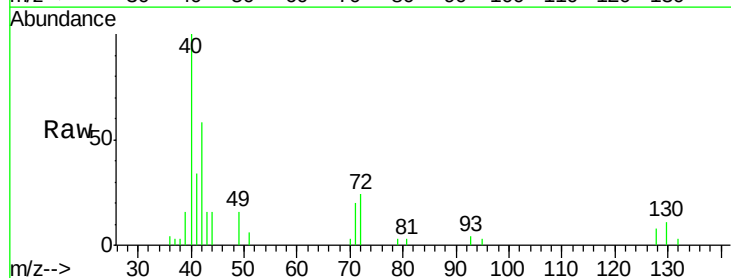
Manual Integrations
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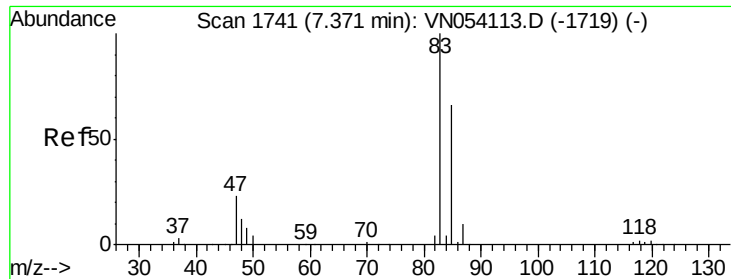
MMDadoda
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#29
Tetrahydrofuran
Concen: 5.140 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.8	49.2
71	35.2	30.5	45.7





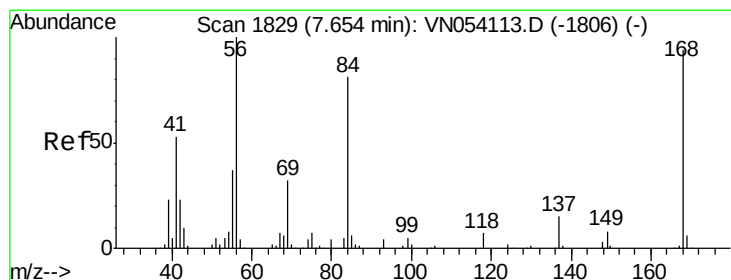
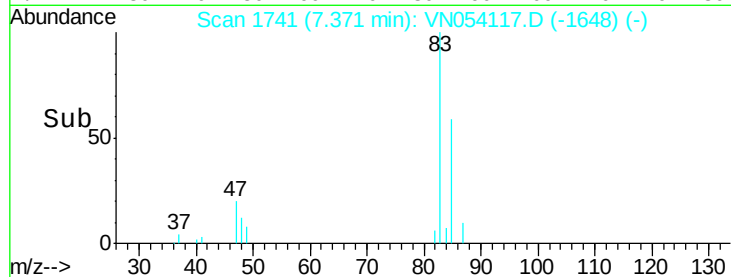
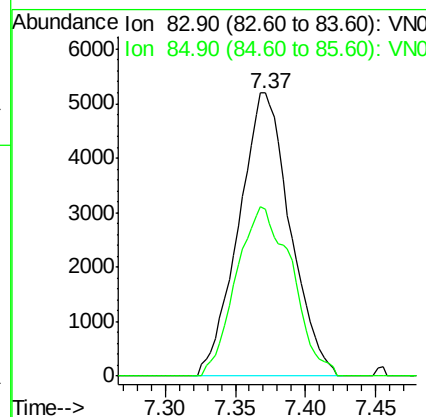
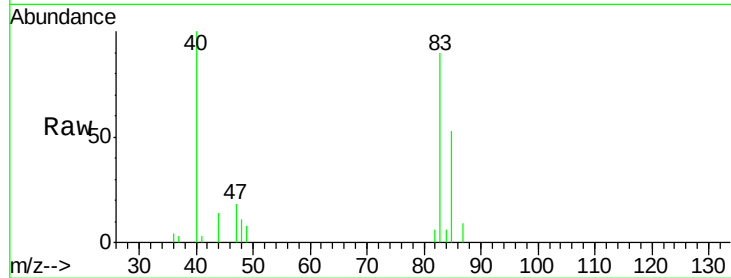
#30
Chloroform
Concen: 1.097 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	13231
Ion Ratio	100	Lower	Upper
83	100		
85	58.8	53.1	79.7

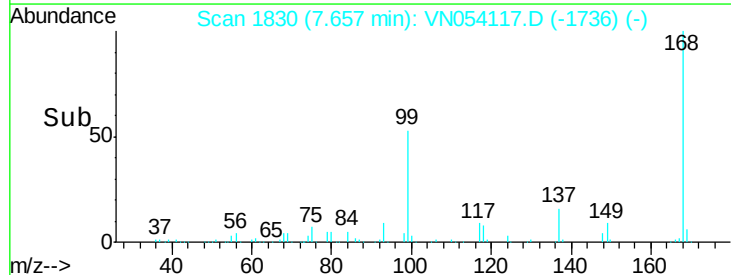
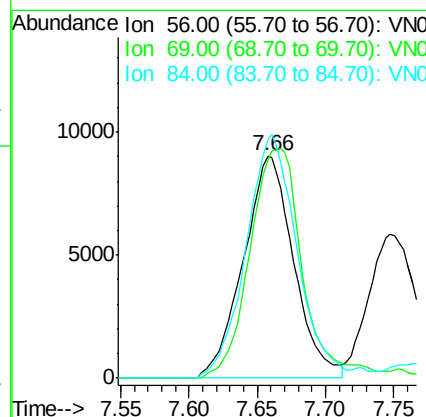
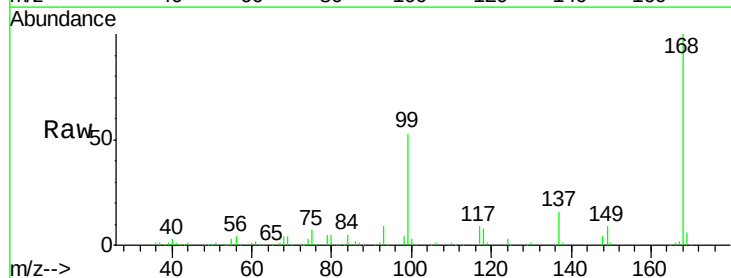
Manual Integrations
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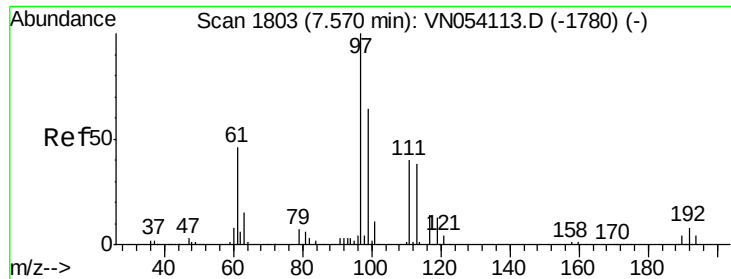
MMDadoda
3/7/2019 11:38:32 AM



#31
Cyclohexane
Concen: 1.692 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion	56	Resp	23130
Ion Ratio	100	Lower	Upper
56	100		
69	98.3	25.5	38.3#
84	107.2	64.5	96.7#





#32

1,1,1-Trichloroethane

Concen: 1.092 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

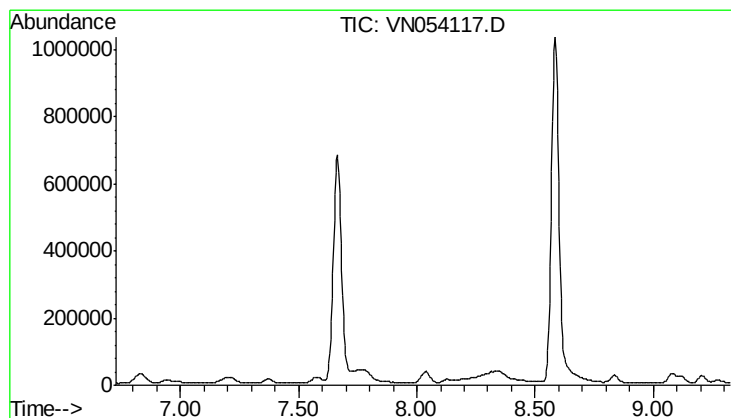
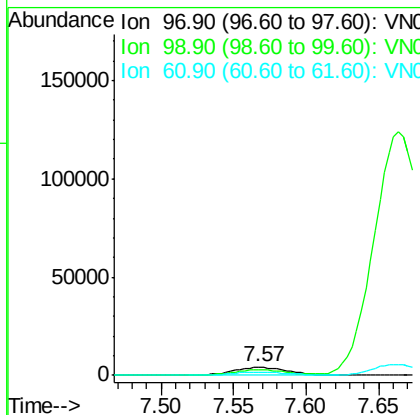
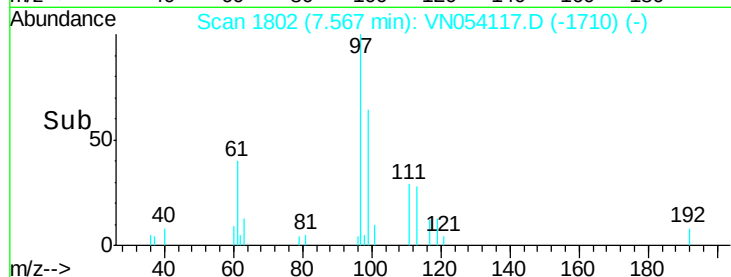
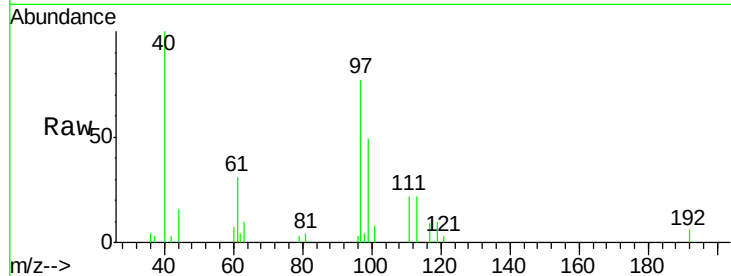
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		10925		
99	0.0	51.2	76.8#		
61	42.0	37.1	55.7		

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3/7/2019 11:38:32 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN054117.D

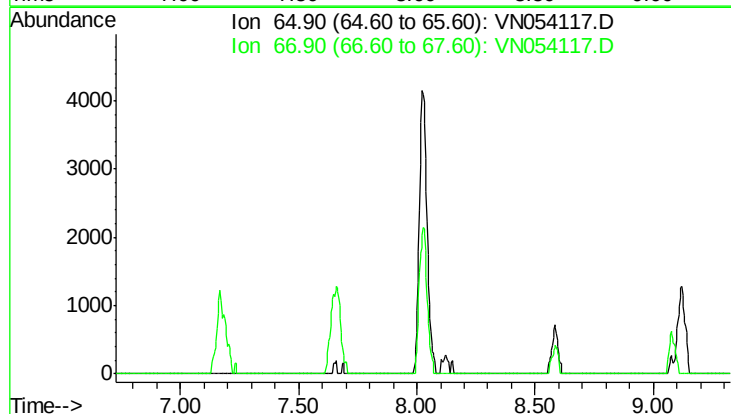
Acq: 6 Mar 2019 13:37

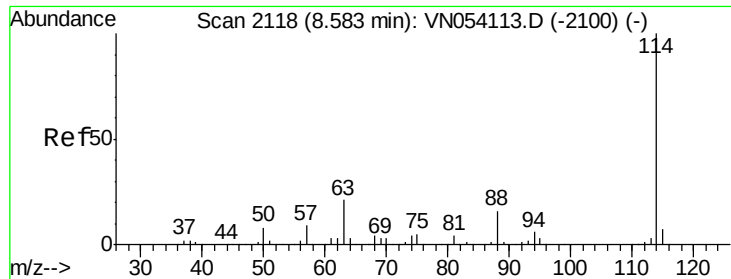
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.8





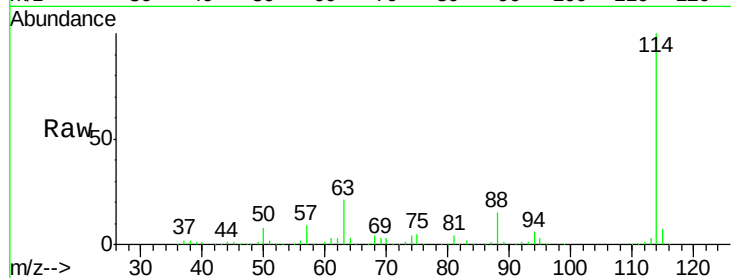
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.6
88	15.1	0.0	31.8

Manual Integrations
 APPROVED

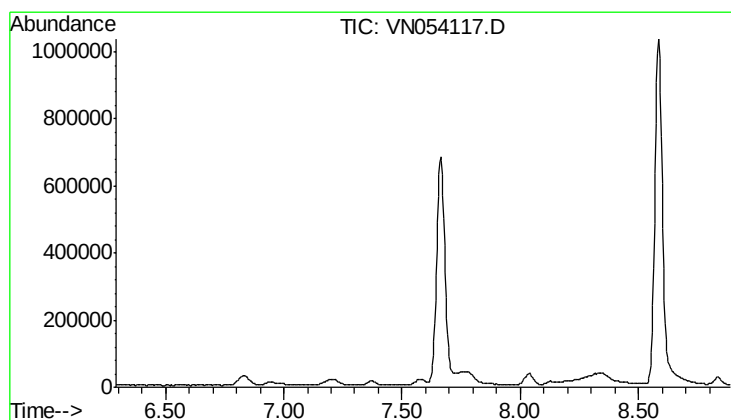
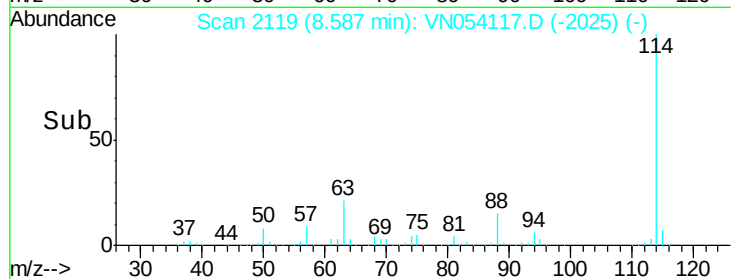
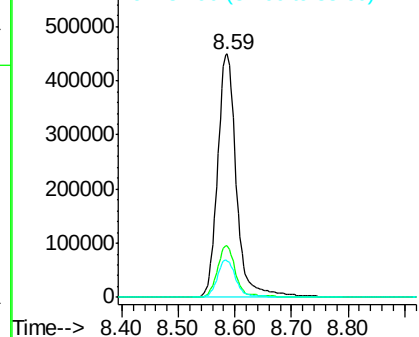
MMDadoda
 3/7/2019 11:38:32 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

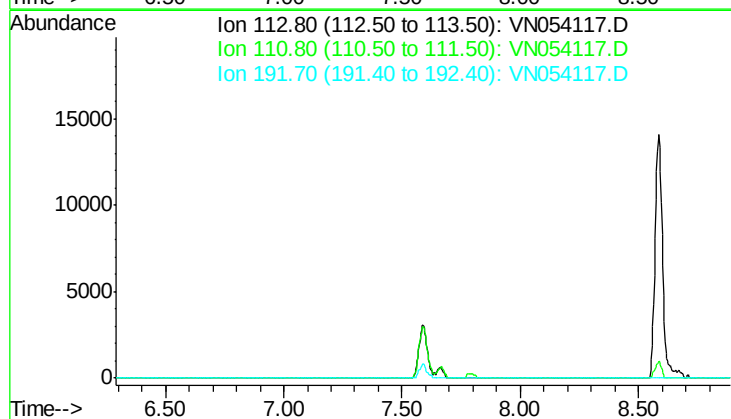
Ion 87.90 (87.60 to 88.60): VN

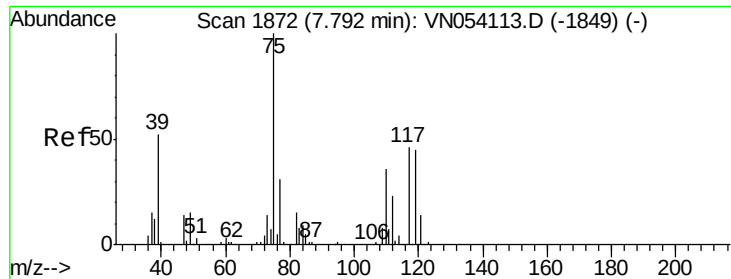


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min

Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Sig	Exp Ratio
113	100	
111	102.6	
192	21.7	





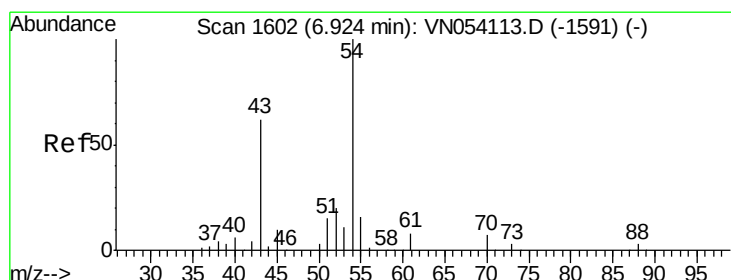
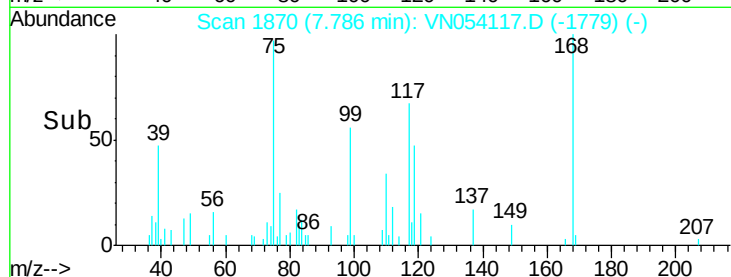
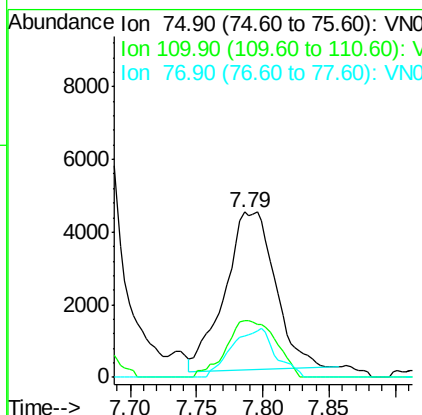
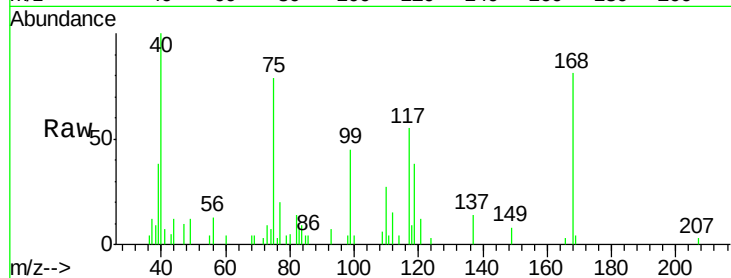
#36
 1,1-Dichloropropene
 Concen: 1.176 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.0	54.0
77	26.9	25.3	37.9

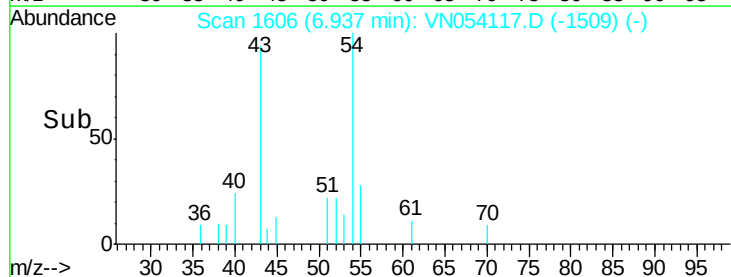
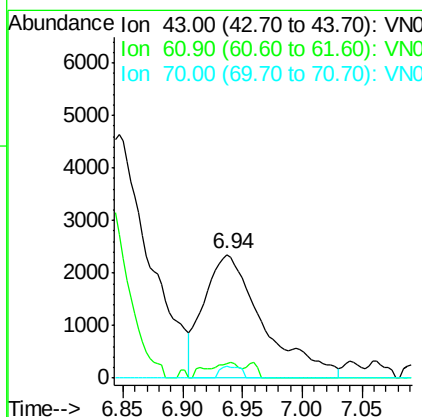
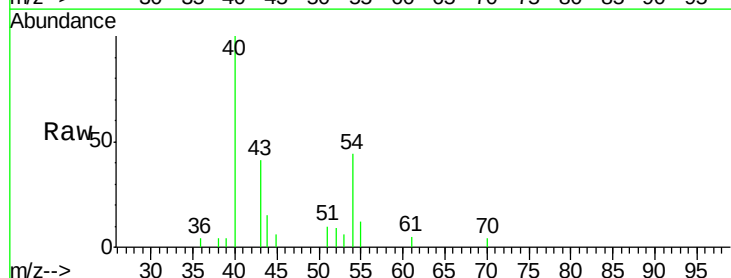
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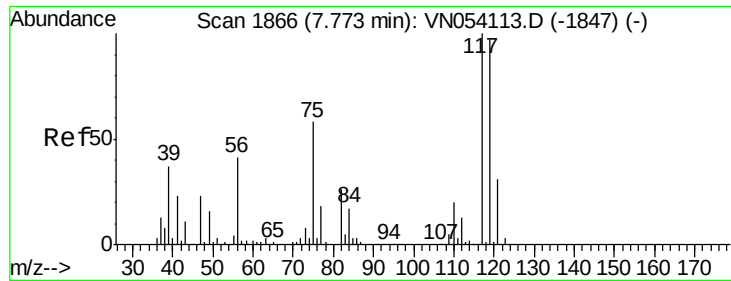
MMDadoda
 3/7/2019 11:38:32 AM



#37
 Ethyl Acetate
 Concen: 1.159 ug/l m
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.1	11.1	16.7#
70	3.2	7.6	11.4#





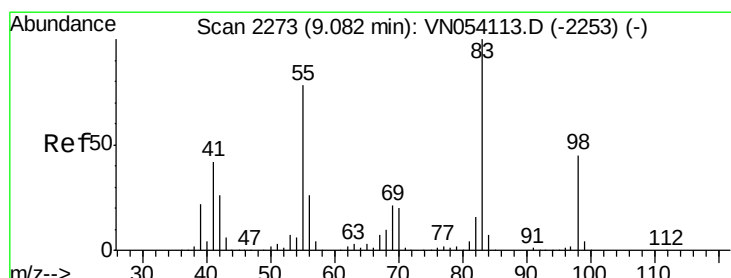
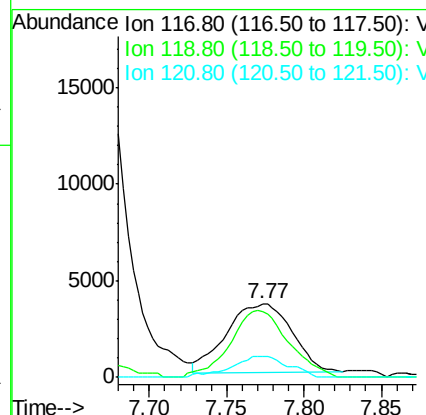
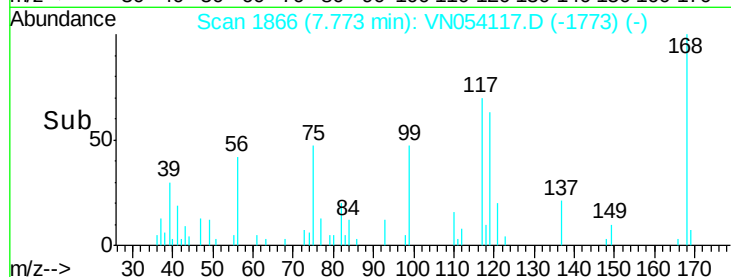
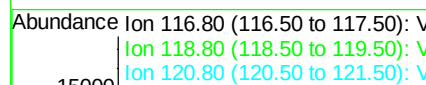
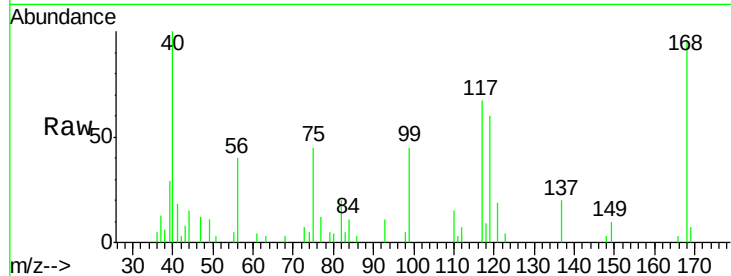
#38
Carbon Tetrachloride
Concen: 1.122 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.6
121	30.2	24.3	36.5

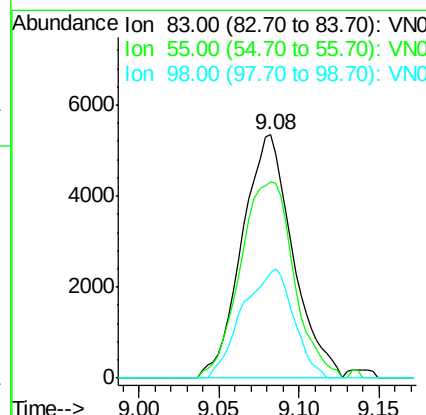
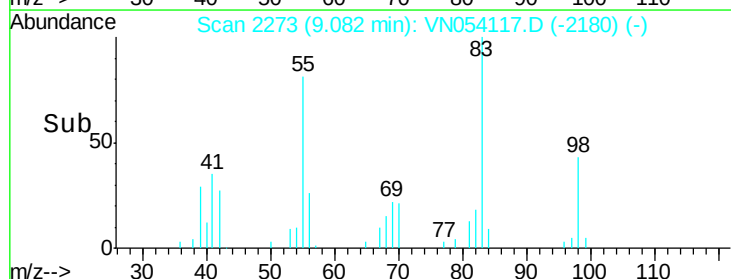
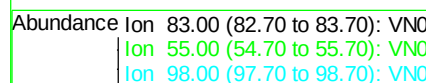
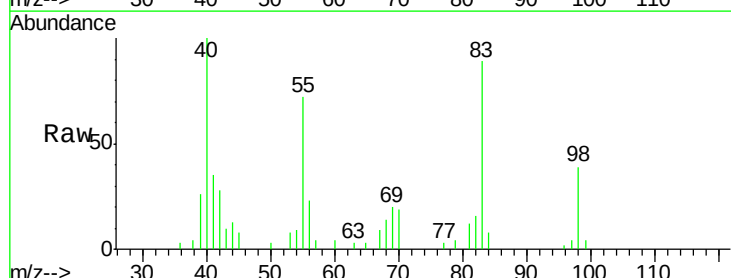
Manual Integrations
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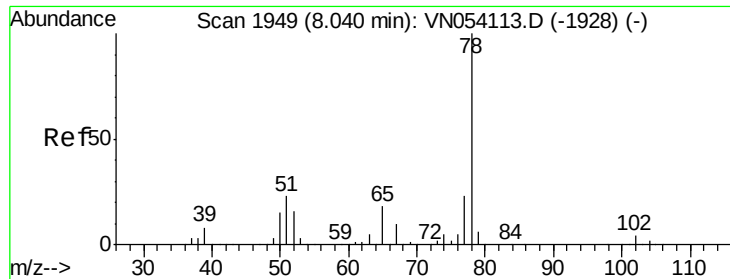
MMDadoda
3/7/2019 11:38:32 AM



#39
Methylcyclohexane
Concen: 1.032 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	62.1	93.1
98	43.4	36.0	54.0





#40

Benzene

Concen: 0.983 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 28359

Ion Ratio Lower Upper

78 100

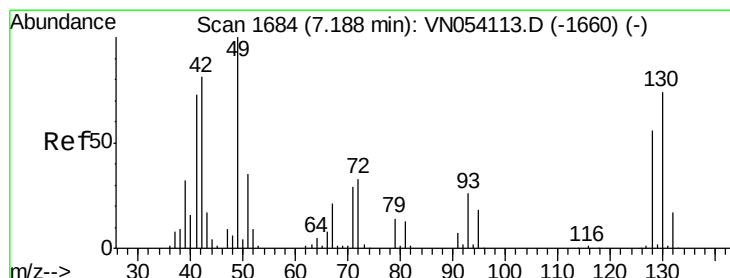
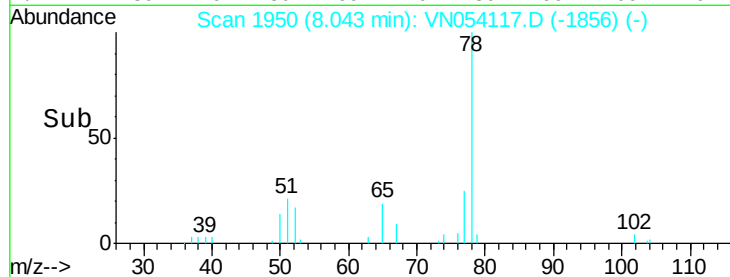
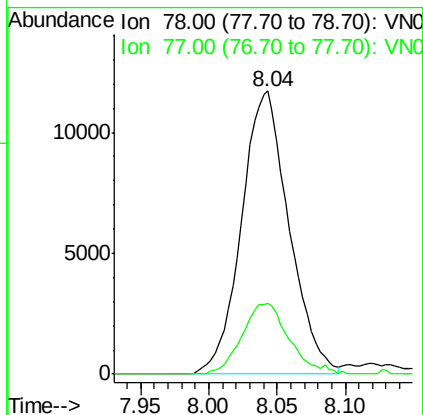
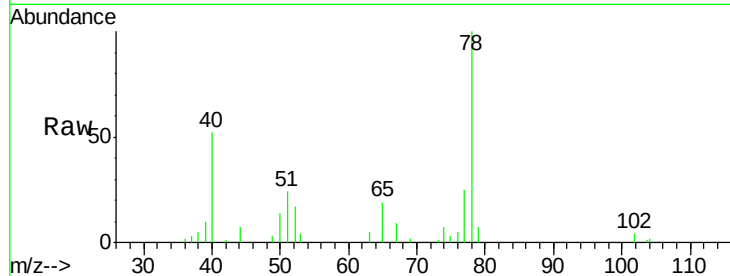
77 24.9 18.7 28.1

Manual Integrations

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MMDadoda

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#41

Methacrylonitrile

Concen: 0.713 ug/l m

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion: 41 Resp: 3029

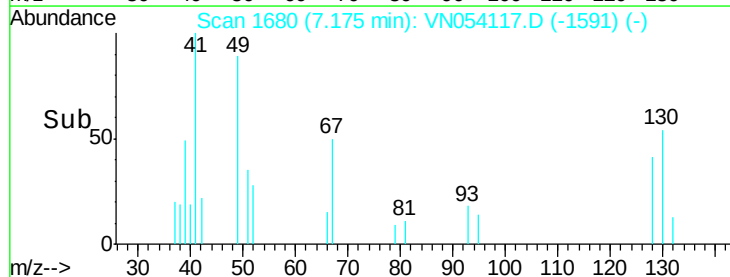
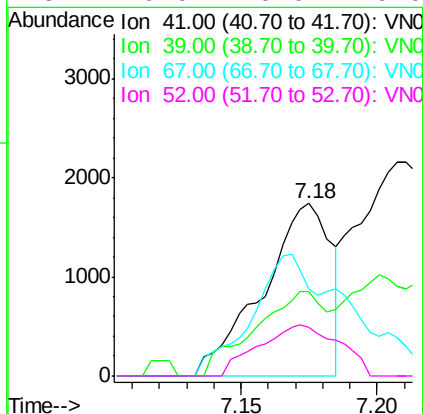
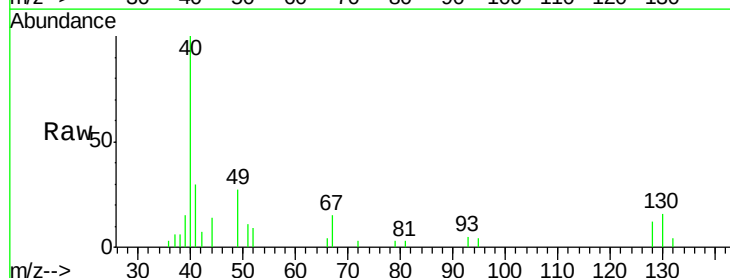
Ion Ratio Lower Upper

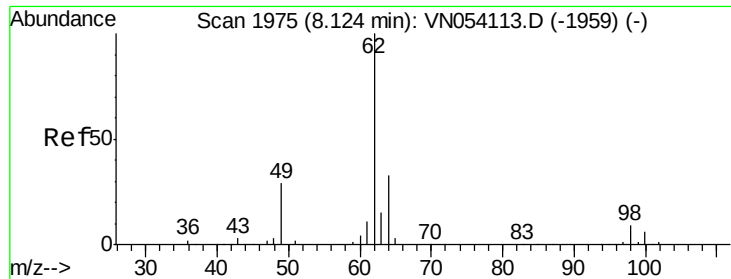
41 100

39 12.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





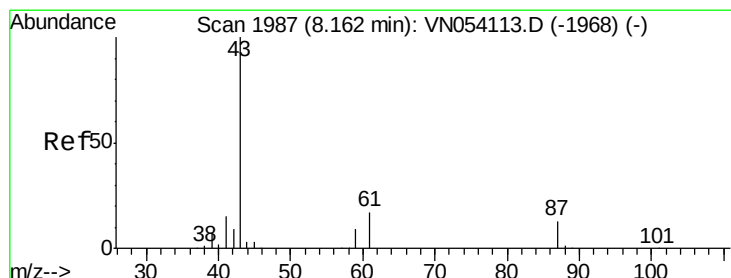
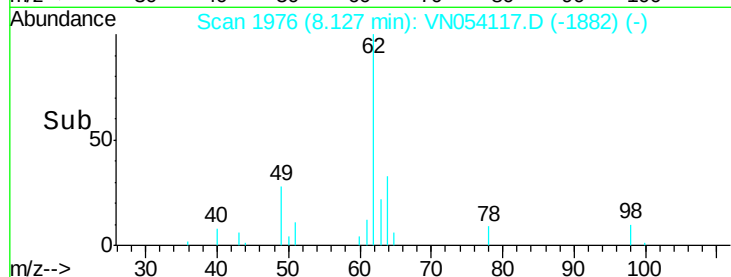
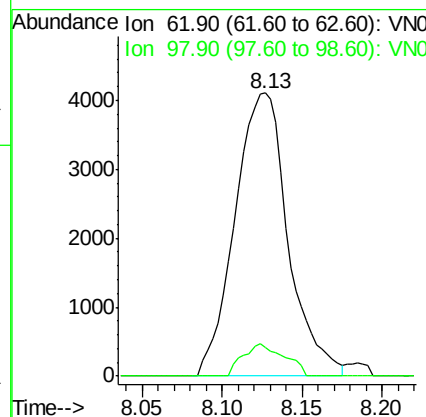
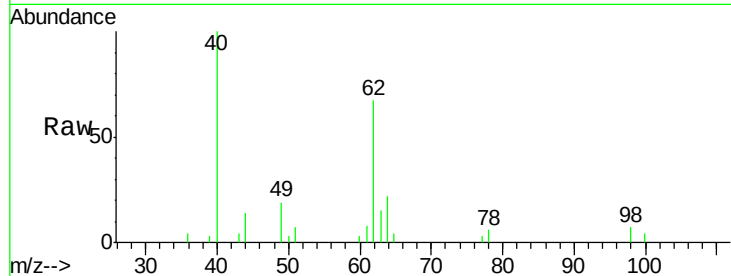
#42
 1,2-Dichloroethane
 Concen: 1.023 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6

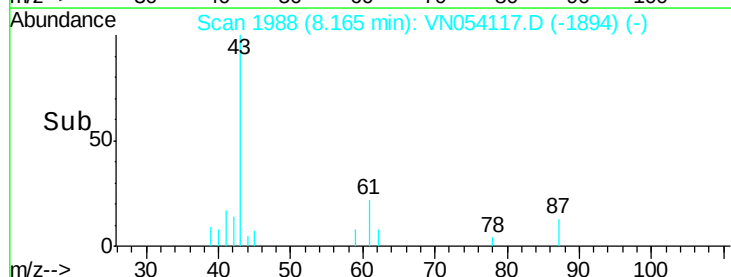
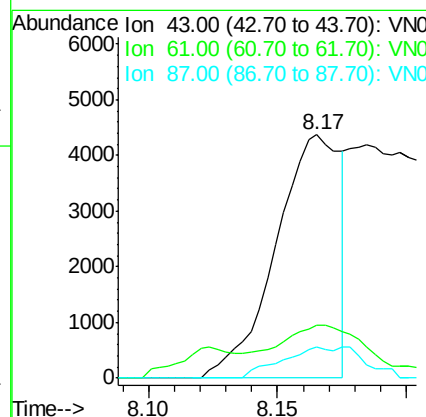
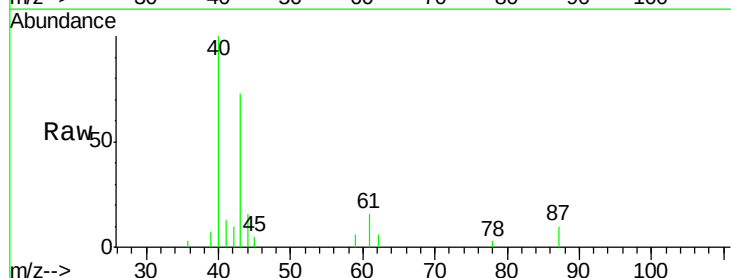
Manual Integrations
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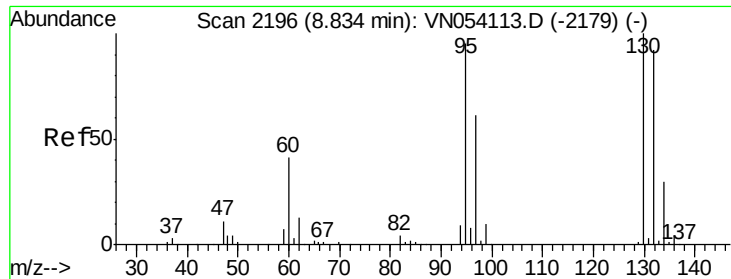
MMDadoda
 3/7/2019 11:38:32 AM



#43
 Isopropyl Acetate
 Concen: 0.702 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.4	22.5	33.7
87	10.3	10.1	15.1





#44

Trichloroethene

Concen: 1.088 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 8420

Ion Ratio Lower Upper

130 100

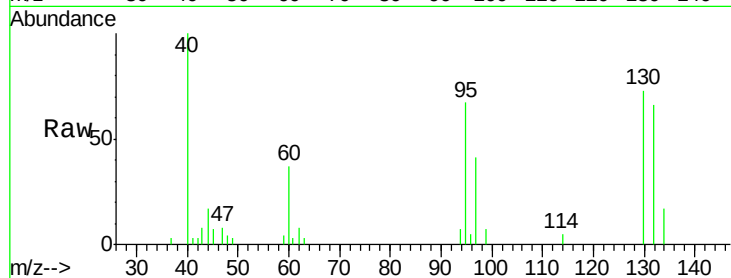
95 92.6 0.0 189.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

4000

3000

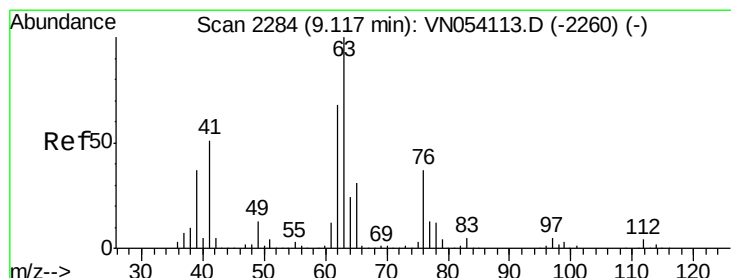
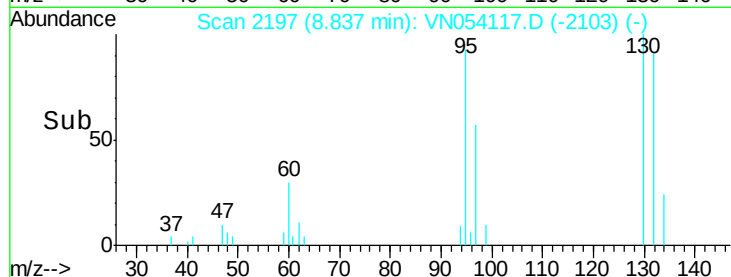
2000

1000

0

Time-->

8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 1.061 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054117.D

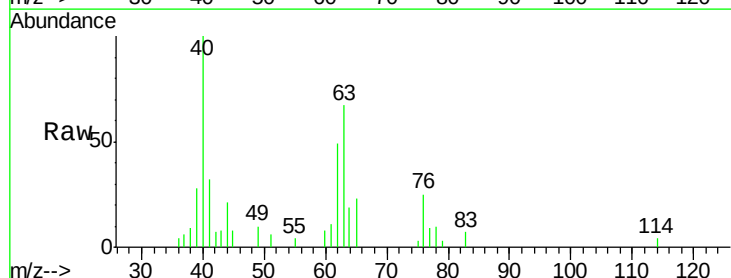
Acq: 6 Mar 2019 13:37

Tgt Ion: 63 Resp: 8444

Ion Ratio Lower Upper

63 100

65 34.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

4000

3000

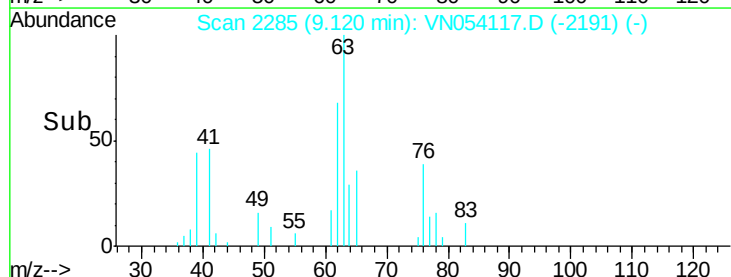
2000

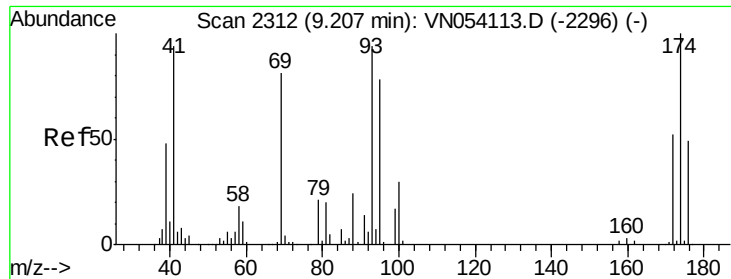
1000

0

Time-->

9.05 9.10 9.15 9.20





#46

Dibromomethane

Concen: 0.989 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

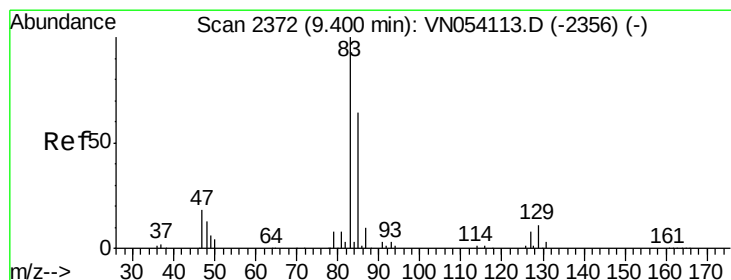
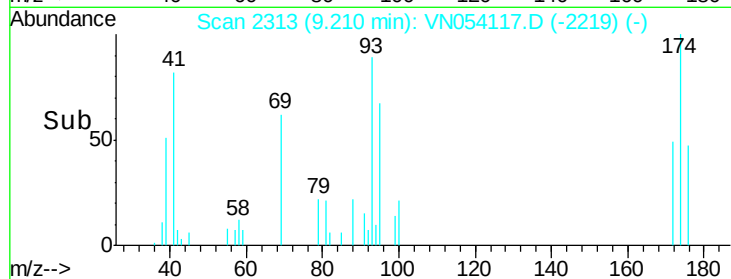
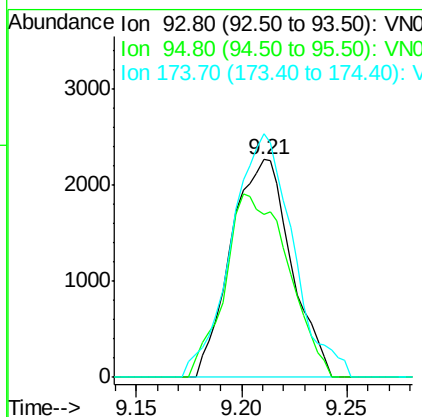
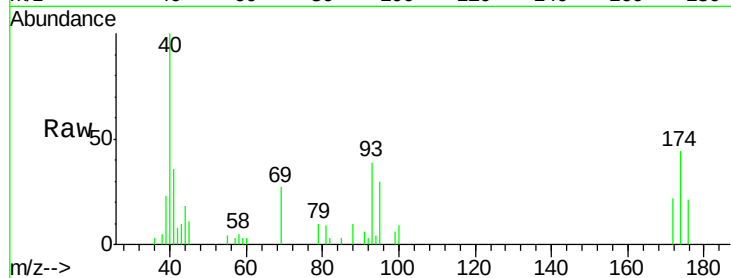
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	4493
Ion	Ratio	Lower	Upper
93	100		
95	89.0	66.1	99.1
174	114.6	86.1	129.1

Manual Integrations
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MMDadoda
3/7/2019 11:38:32 AM



#47

Bromodichloromethane

Concen: 0.997 ug/l

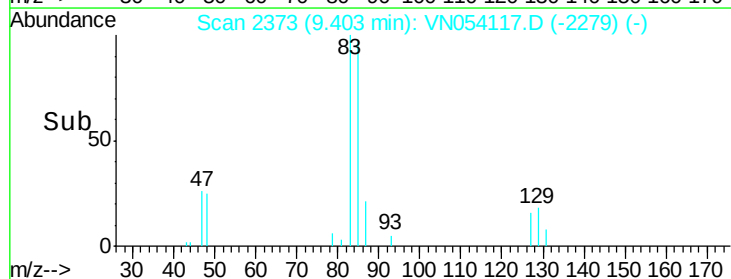
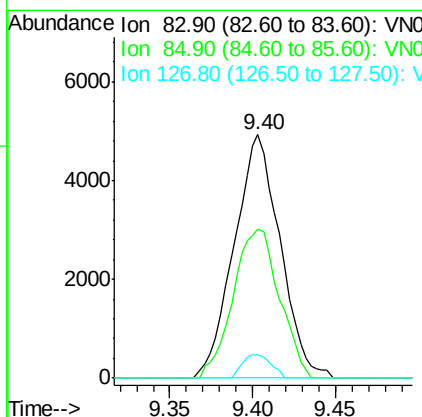
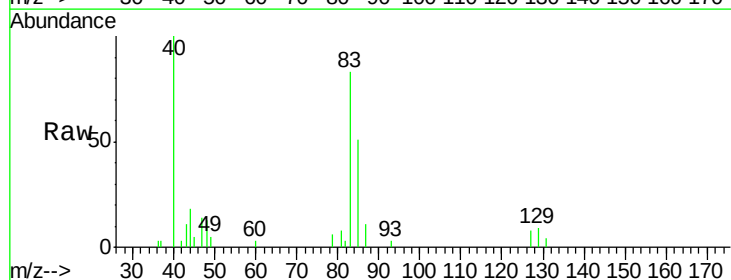
RT: 9.40 min Scan# 2373

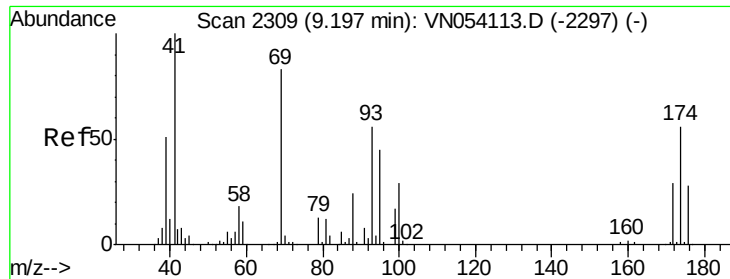
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	83	Resp:	9480
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.0	76.4
127	9.8	6.5	9.7#





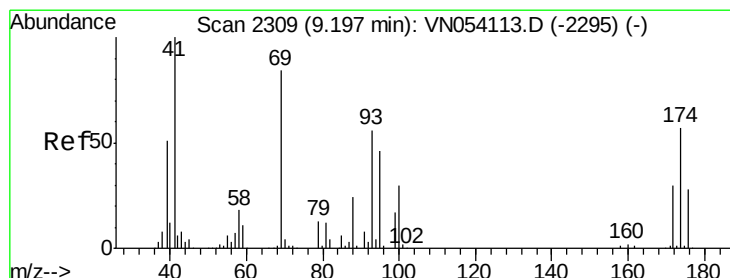
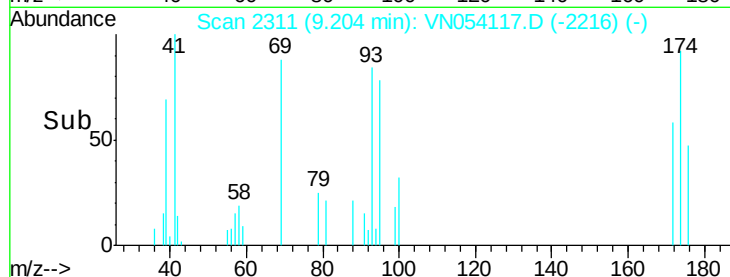
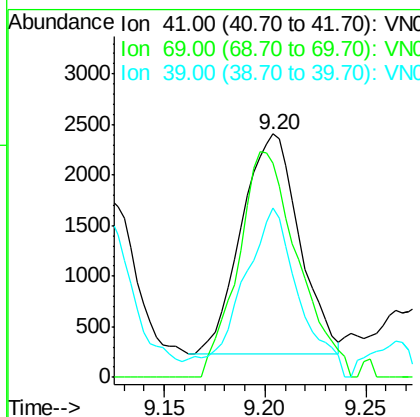
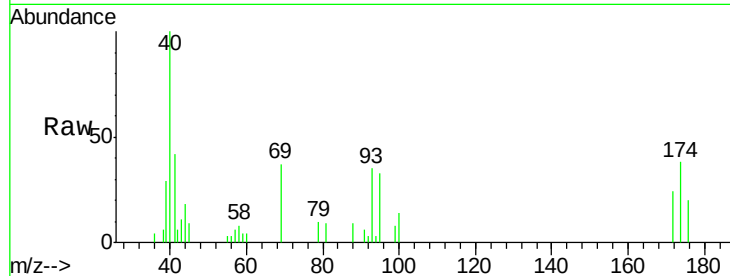
#48
Methvl methacrylate
Concen: 0.813 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 41 Resp: 4363
Ion Ratio Lower Upper
41 100
69 105.8 71.0 106.4
39 73.7 43.7 65.5#

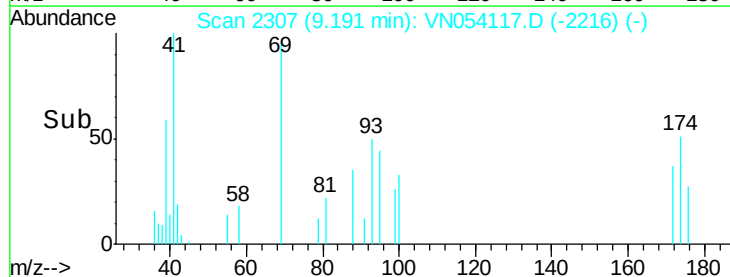
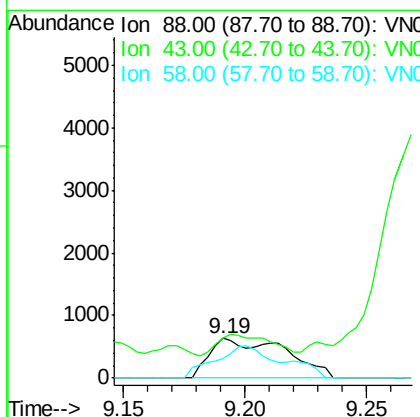
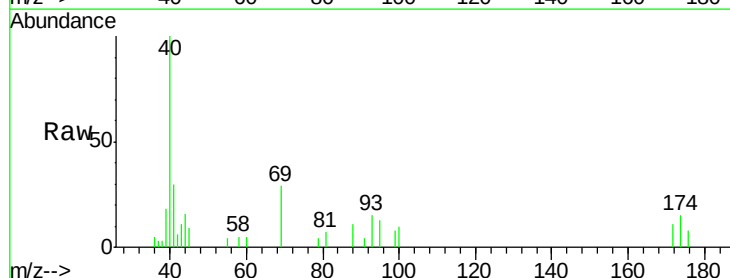
Manual Integrations
APPROVED

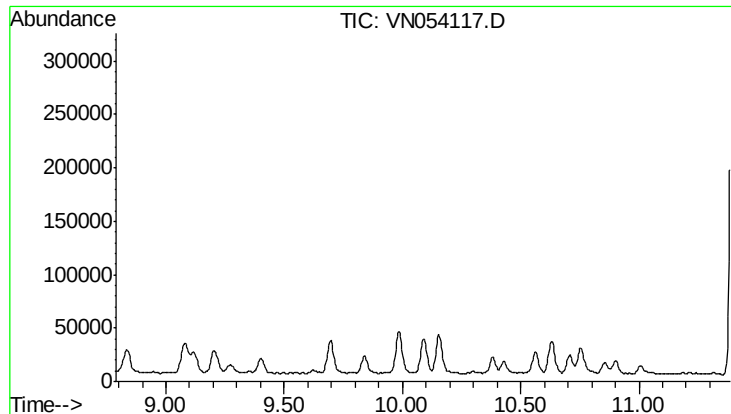
MMDadoda
3/7/2019 11:38:32 AM



#49
1,4-Dioxane
Concen: 19.486 ug/l m
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion: 88 Resp: 1382
Ion Ratio Lower Upper
88 100
43 36.9 25.5 38.3
58 71.9 58.3 87.5





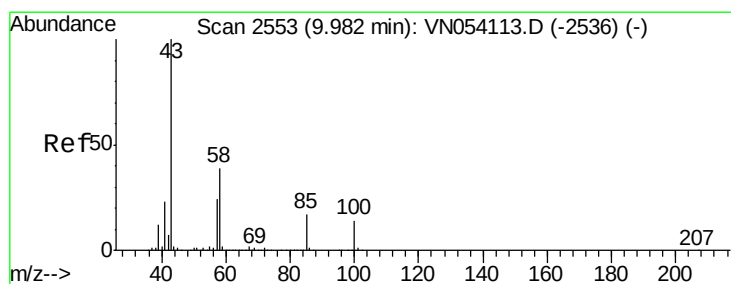
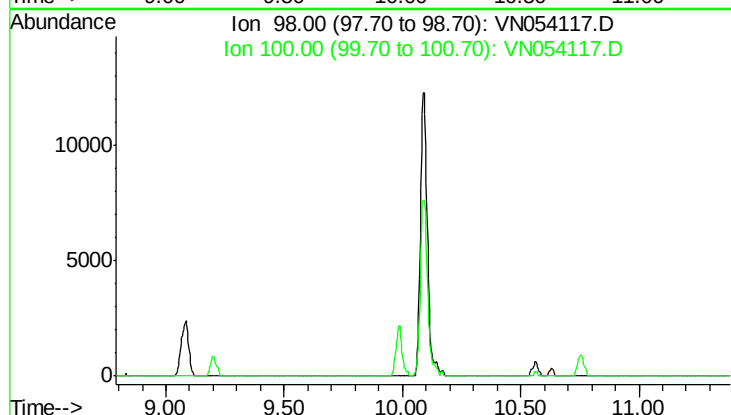
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

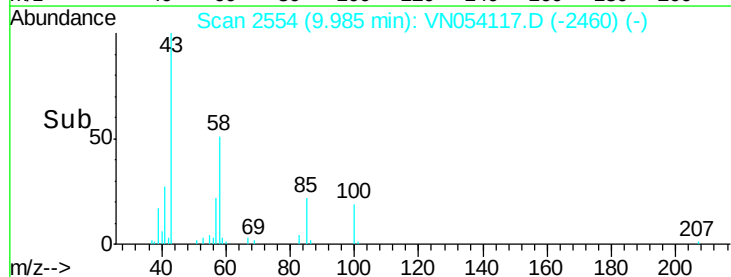
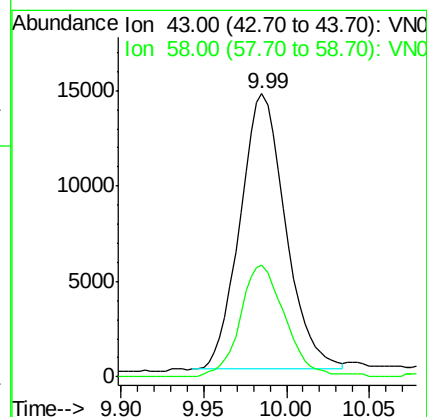
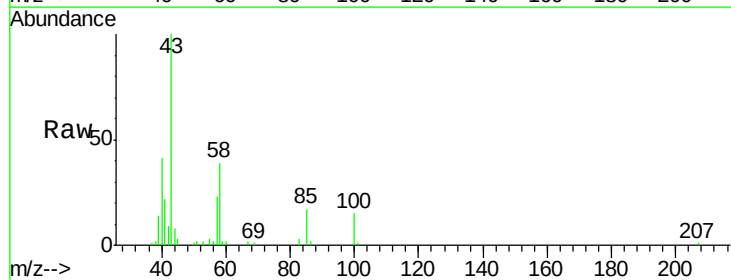
Manual Integrations
APPROVED

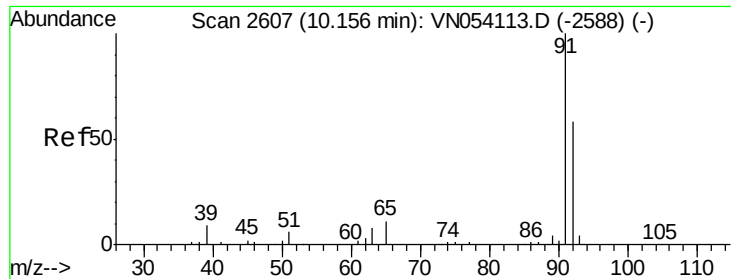
MMDadoda
3/7/2019 11:38:32 AM



#51
4-Methyl-2-Pentanone
Concen: 4.418 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion: 43 Resp: 27511
Ion Ratio Lower Upper
43 100
58 40.1 30.8 46.2





#52

Toluene

Concen: 0.957 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 16365

Ion Ratio Lower Upper

92 100

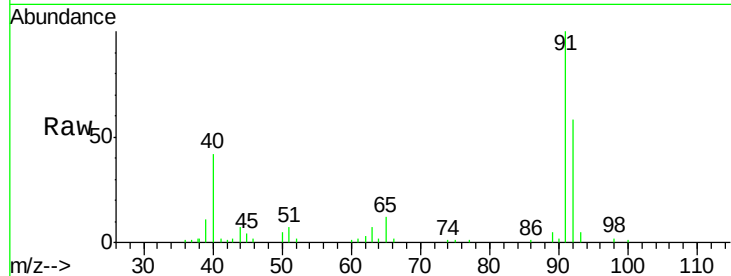
91 178.4 139.0 208.6

Manual Integrations

APPROVED

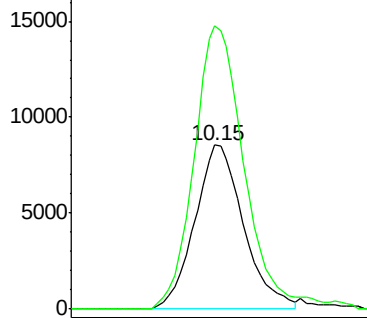
MMDadoda

3/7/2019 11:38:32 AM

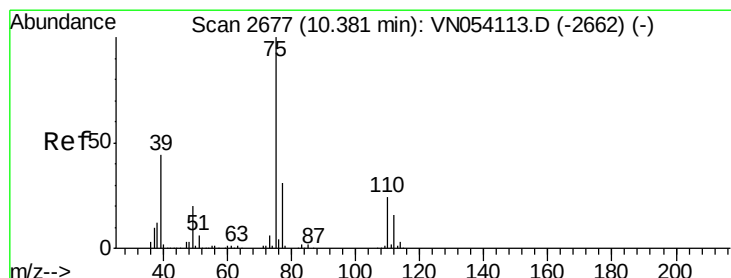
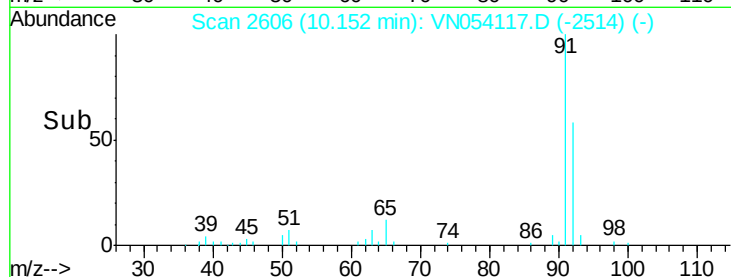


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.929 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054117.D

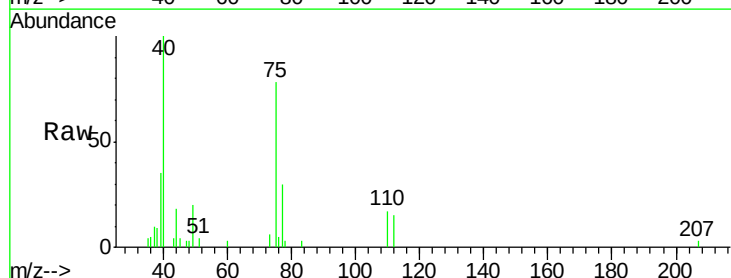
Acq: 6 Mar 2019 13:37

Tgt Ion: 75 Resp: 8711

Ion Ratio Lower Upper

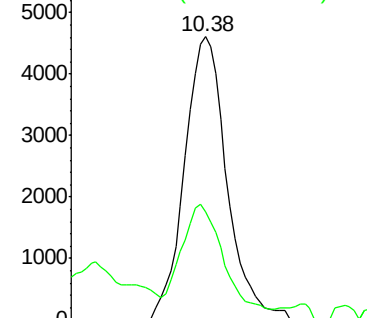
75 100

77 33.5 24.9 37.3

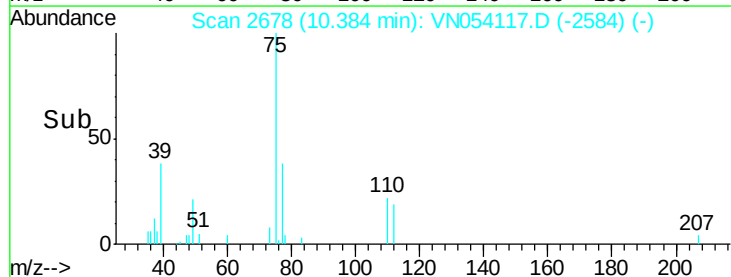


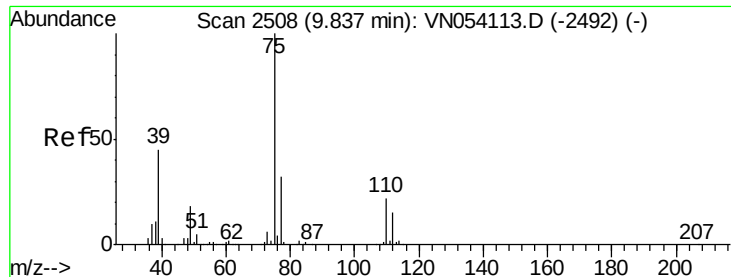
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.937 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

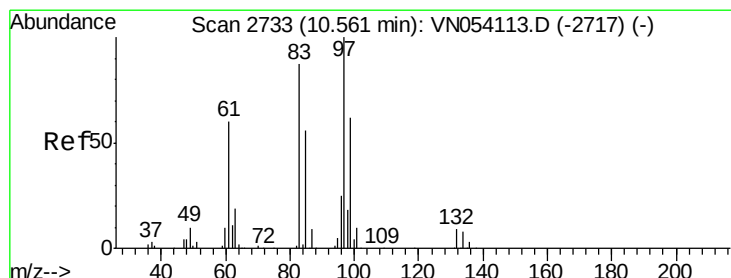
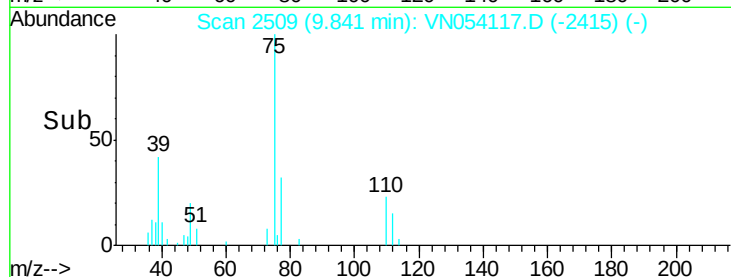
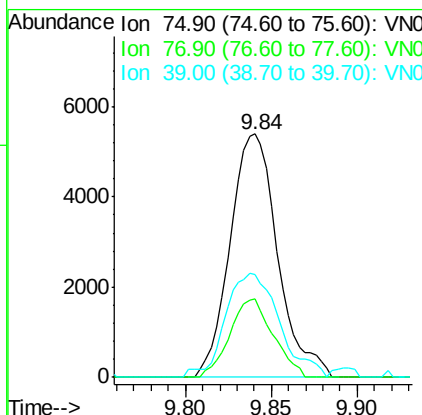
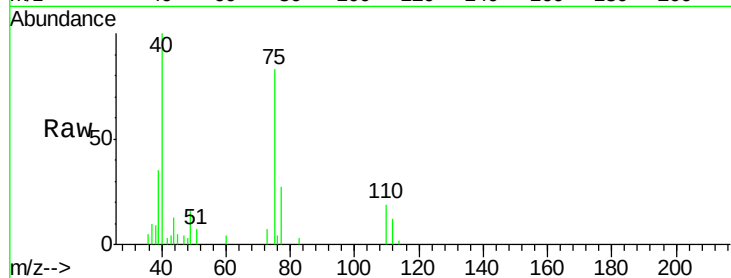
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	10394
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	39.3	36.2	54.2

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.023 ug/l

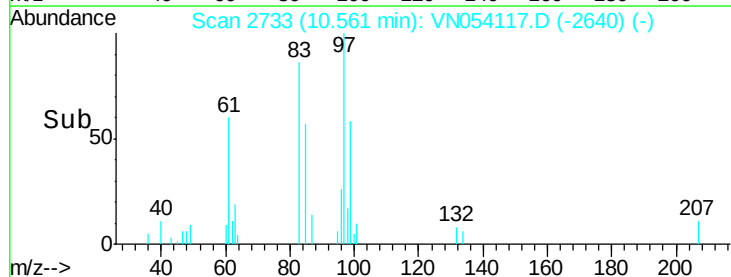
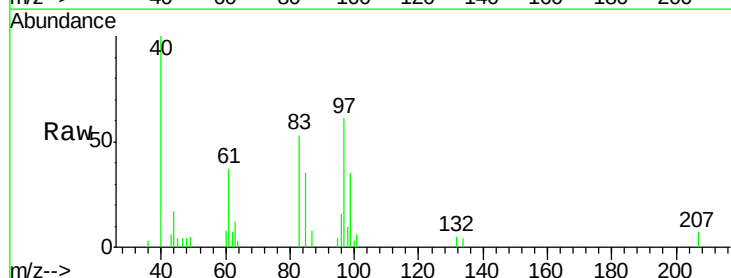
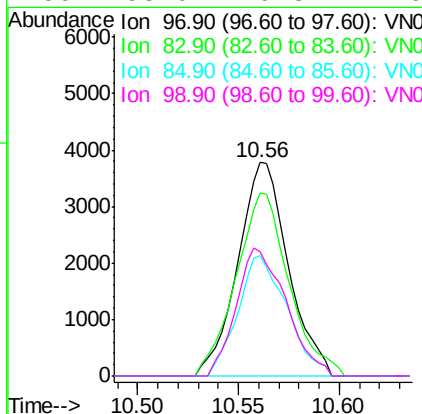
RT: 10.56 min Scan# 2733

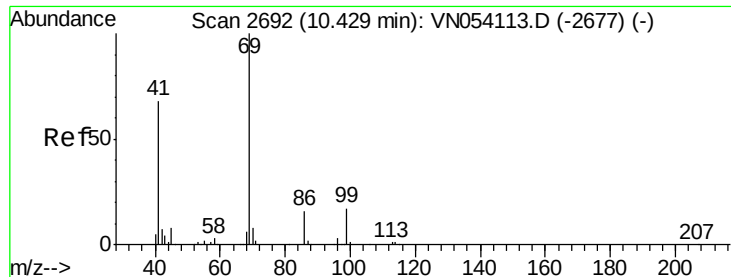
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	97	Resp:	6585
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.6
85	56.6	45.0	67.4
99	58.0	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.816 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

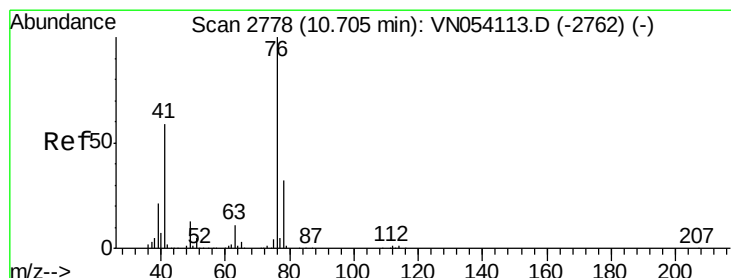
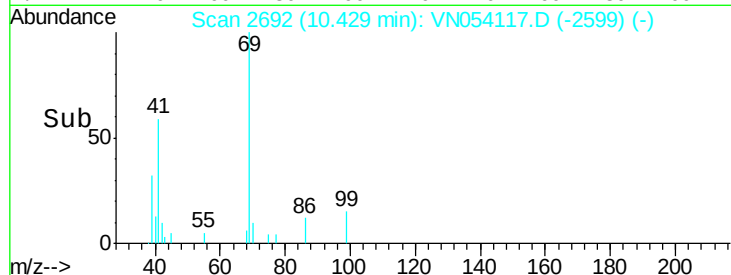
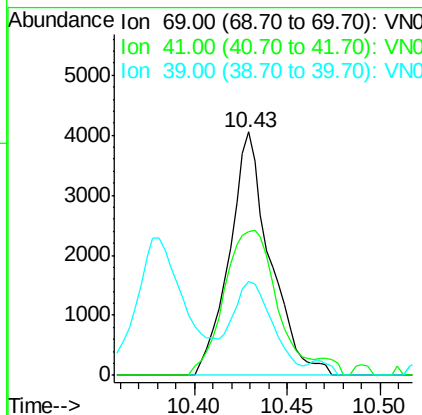
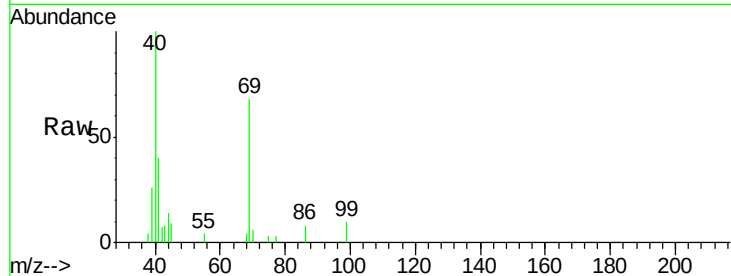
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	6164
Ion	Ratio	Lower	Upper
69	100		
41	76.8	53.4	80.2
39	38.7	25.6	38.4#

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#57

1,3-Dichloropropane

Concen: 0.981 ug/l

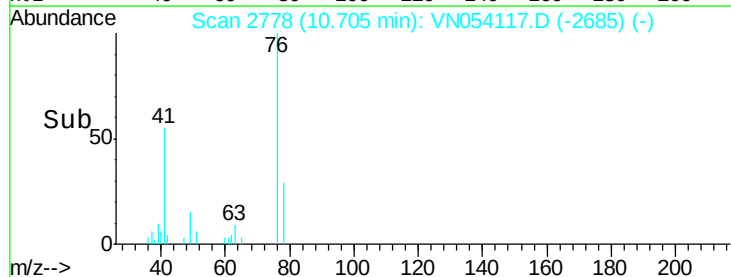
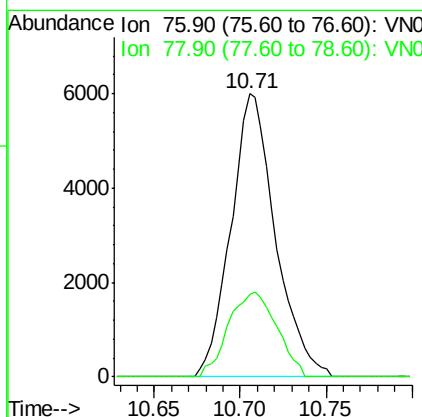
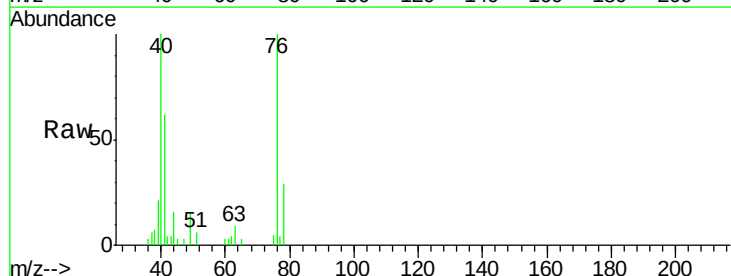
RT: 10.71 min Scan# 2778

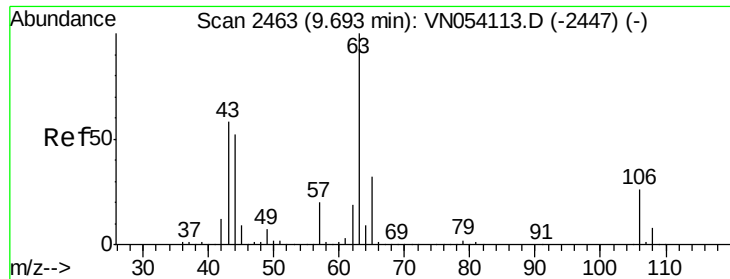
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	76	Resp:	10777
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9





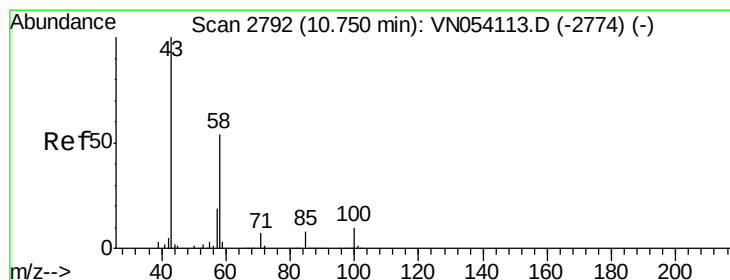
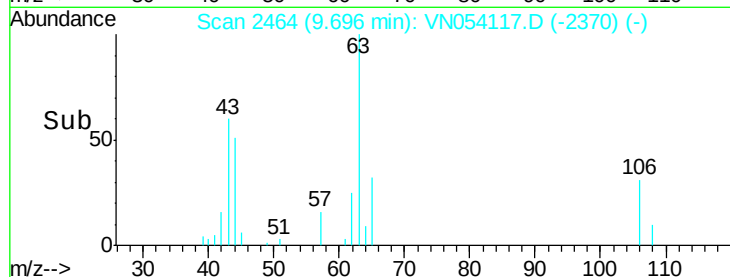
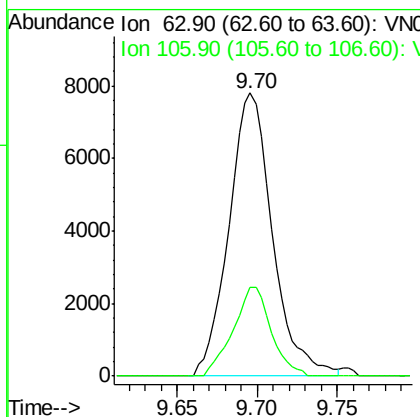
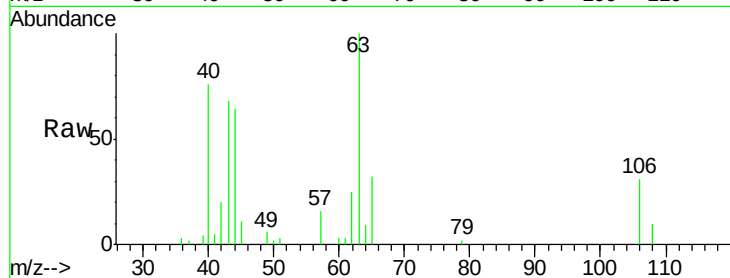
#58
2-Chloroethyl Vinyl ether
Concen: 4.186 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 63 Resp: 14480
Ion Ratio Lower Upper
63 100
106 27.3 20.2 30.2

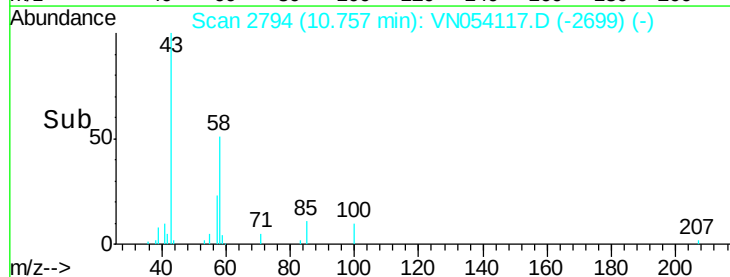
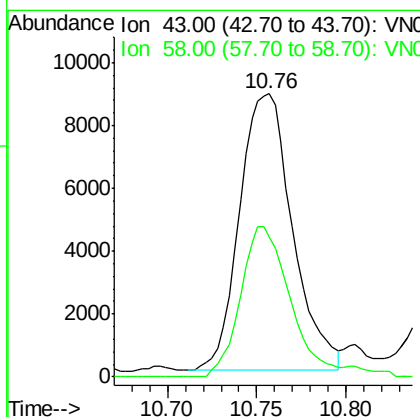
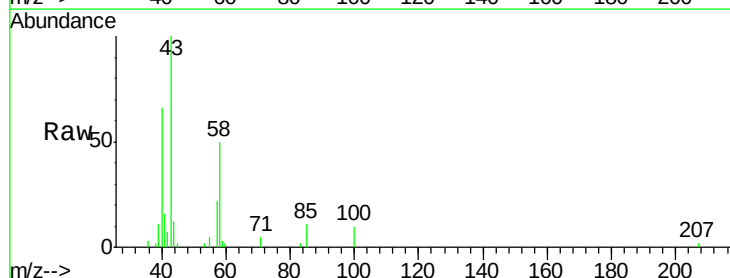
Manual Integrations
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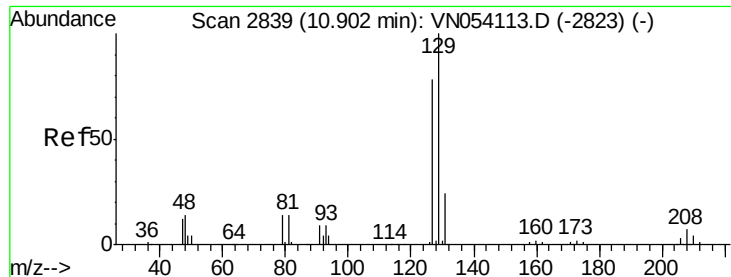
MMDadoda
3/7/2019 11:38:32 AM



#59
2-Hexanone
Concen: 4.443 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion: 43 Resp: 18253
Ion Ratio Lower Upper
43 100
58 50.3 27.0 81.0





#60

Dibromochloromethane

Concen: 0.931 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 6410

Ion Ratio Lower Upper

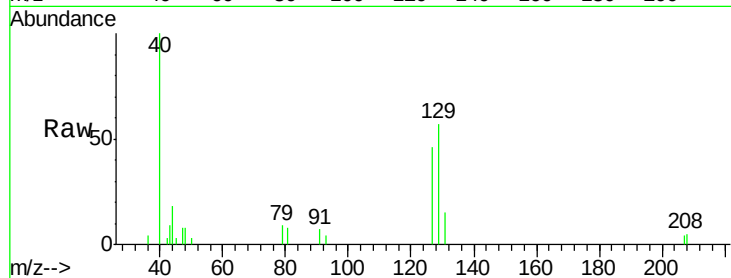
129 100

127 81.3 38.8 116.4

Manual Integrations
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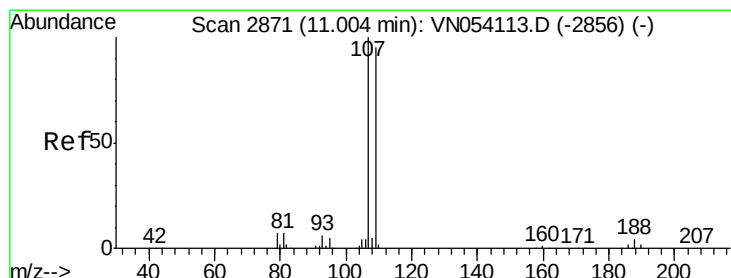
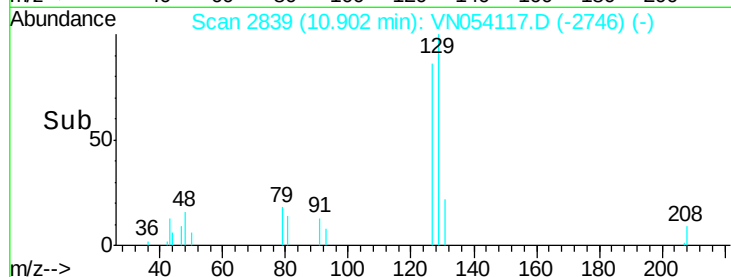
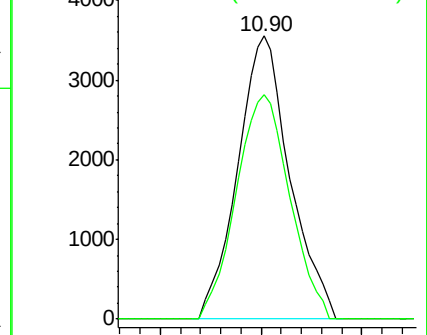
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.987 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054117.D

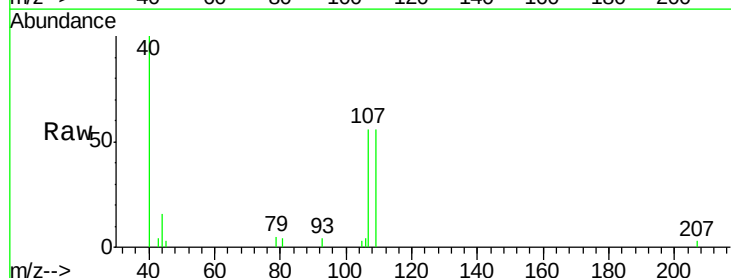
Acq: 6 Mar 2019 13:37

Tgt Ion:107 Resp: 6045

Ion Ratio Lower Upper

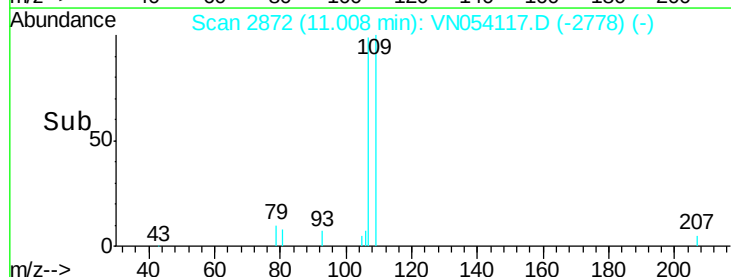
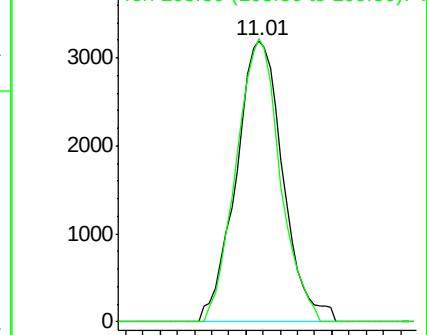
107 100

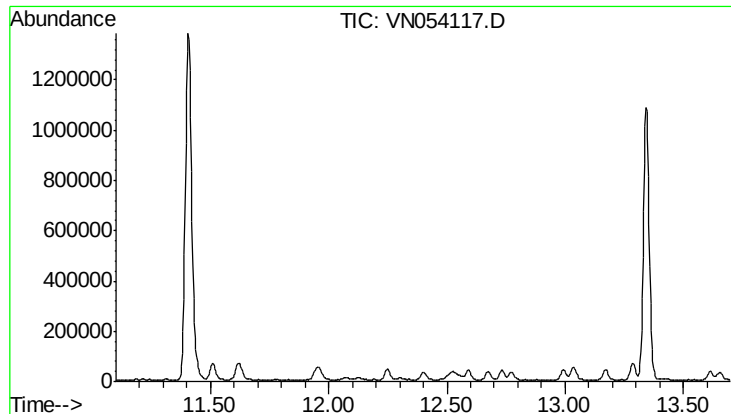
109 94.8 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.40 min

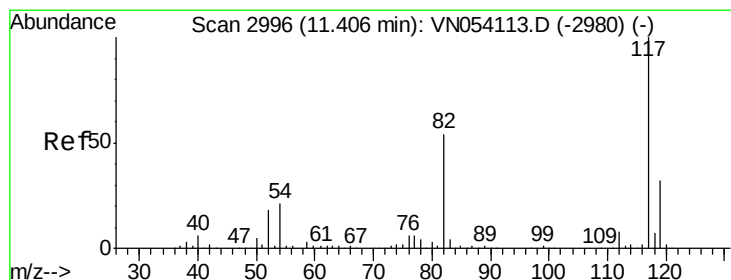
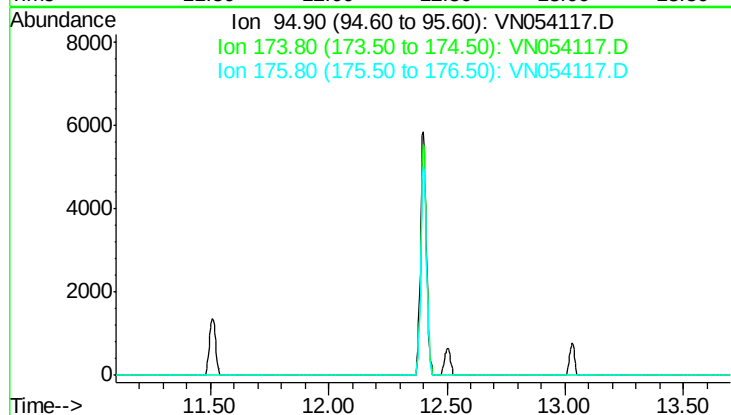
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 95
Sig Exp Ratio
95 100
174 86.6
176 84.4

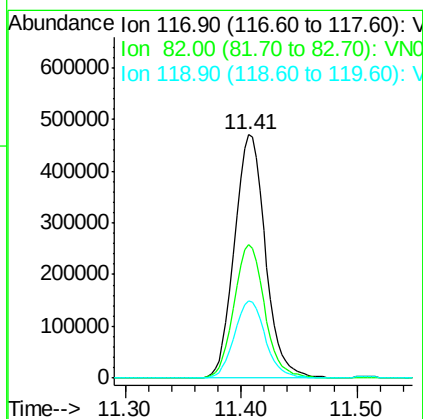
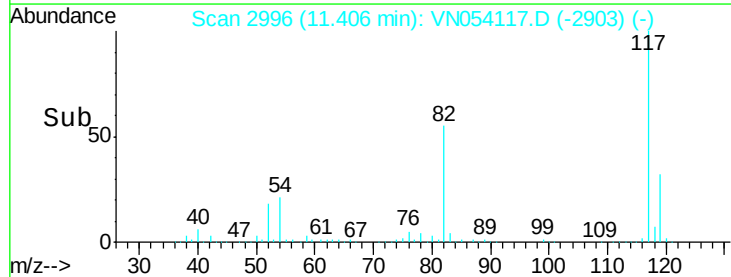
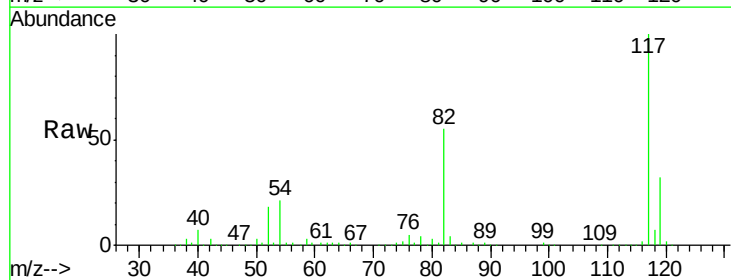
Manual Integrations
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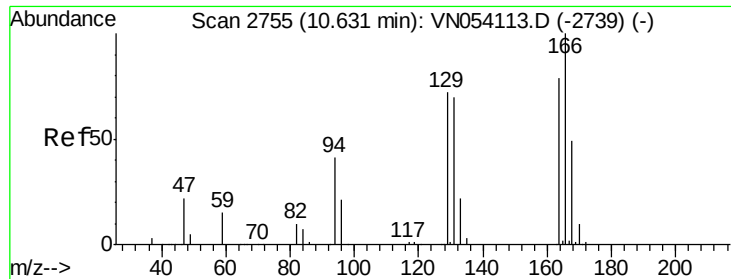
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion:117 Resp: 867850
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 31.7 26.0 39.0





#64

Tetrachloroethene

Concen: 1.054 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 7506

Ion Ratio Lower Upper

164 100

166 122.4 101.3 151.9

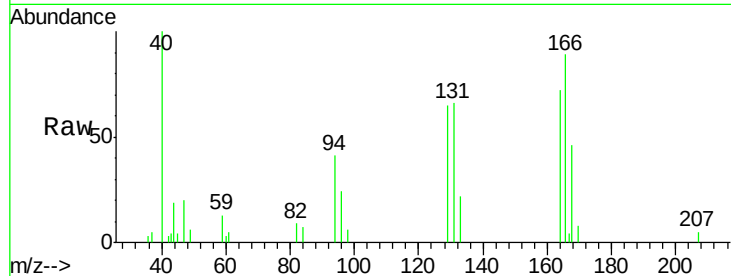
129 90.3 73.2 109.8

131 91.1 70.8 106.2

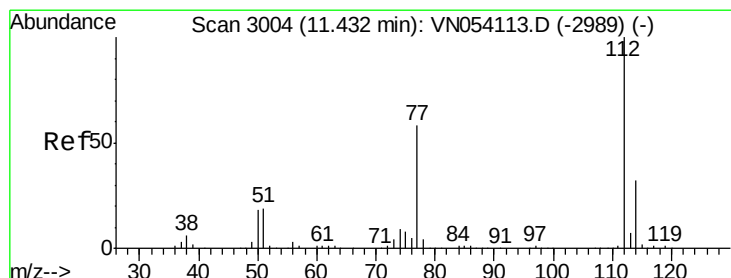
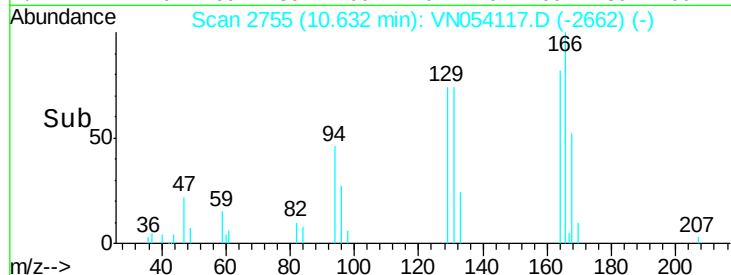
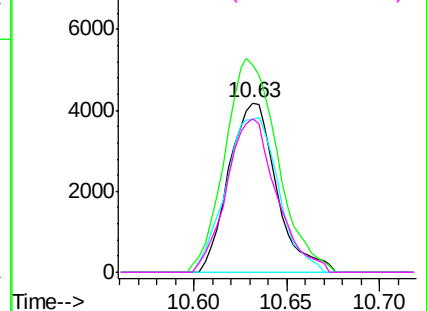
Manual Integrations
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.096 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054117.D

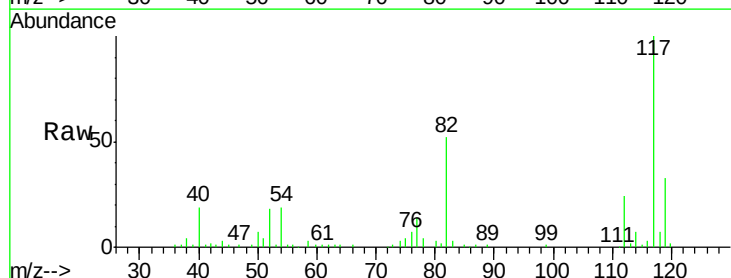
Acq: 6 Mar 2019 13:37

Tgt Ion:112 Resp: 19790

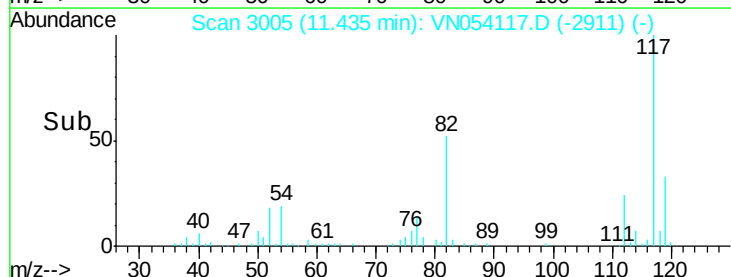
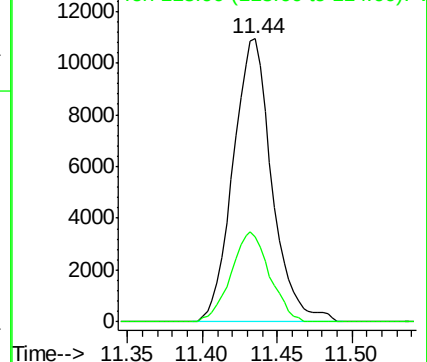
Ion Ratio Lower Upper

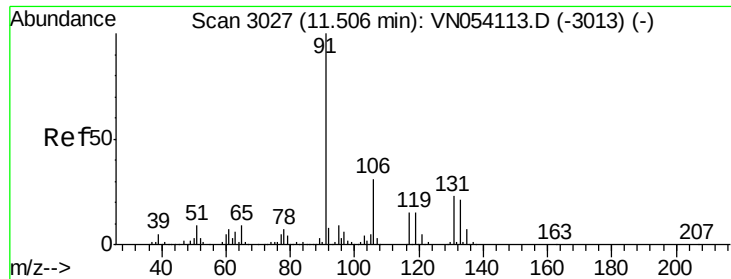
112 100

114 30.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.012 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

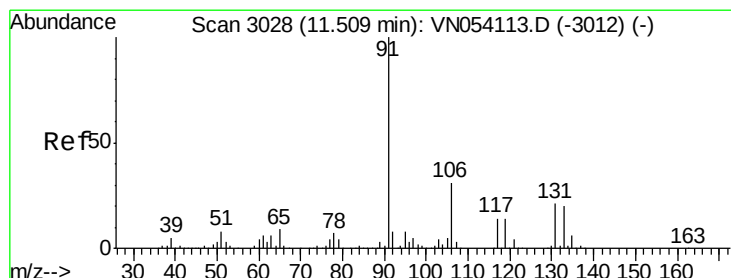
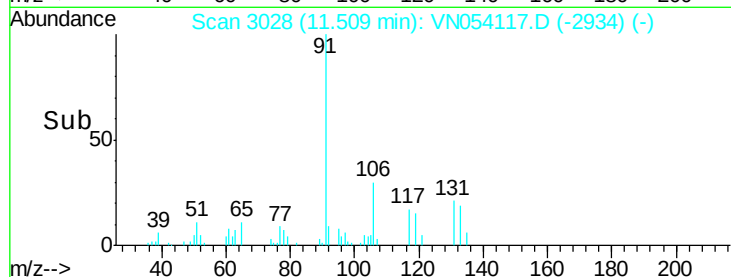
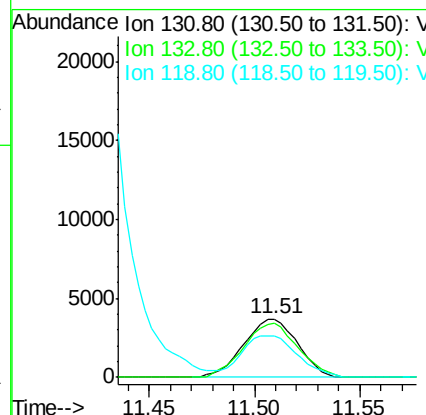
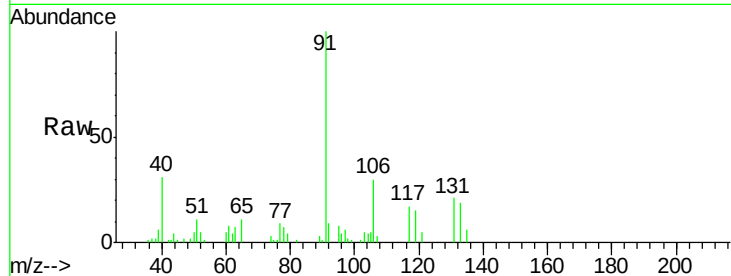
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.6	142.9
119	0.0	33.8	101.3#

Manual Integrations
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#67

Ethyl Benzene

Concen: 1.004 ug/l

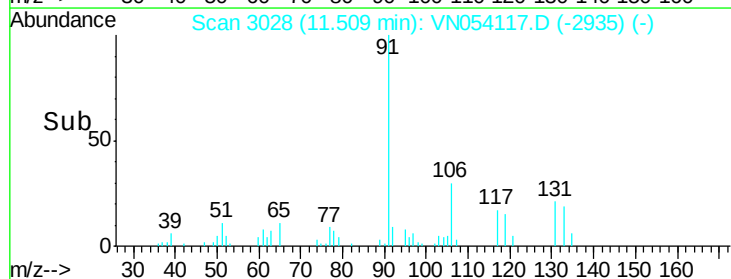
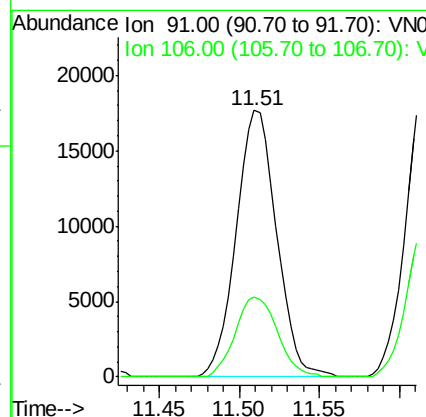
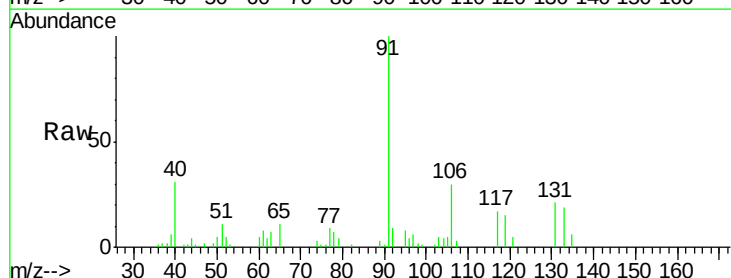
RT: 11.51 min Scan# 3028

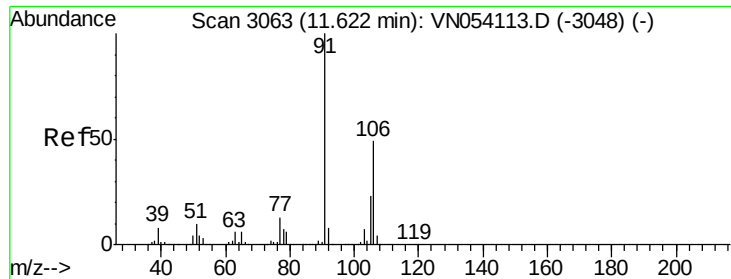
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.6	36.8





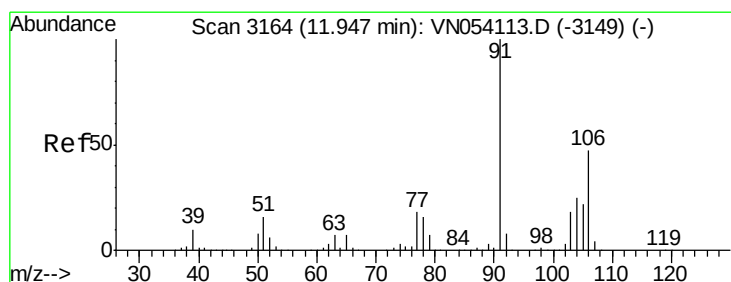
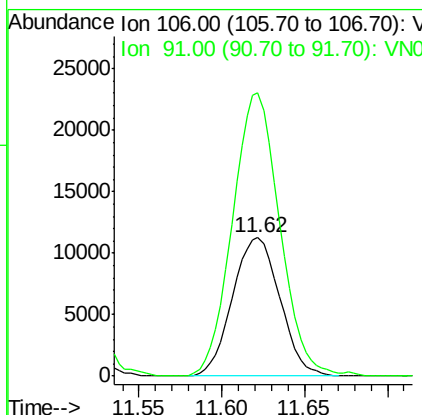
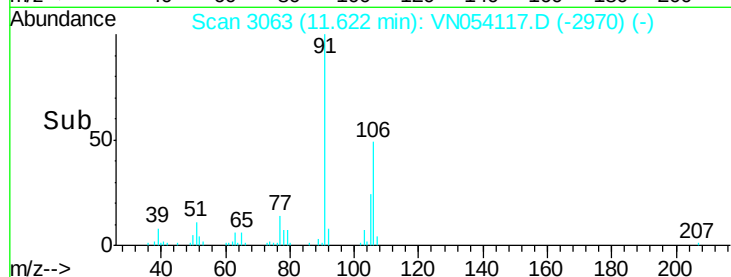
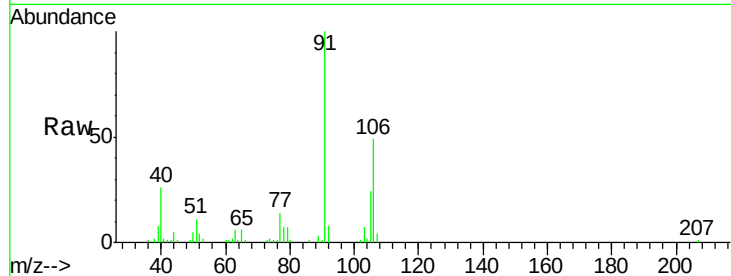
#68
m/p-Xylenes
Concen: 1.969 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 22459
Ion Ratio Lower Upper
106 100
91 203.5 163.2 244.8

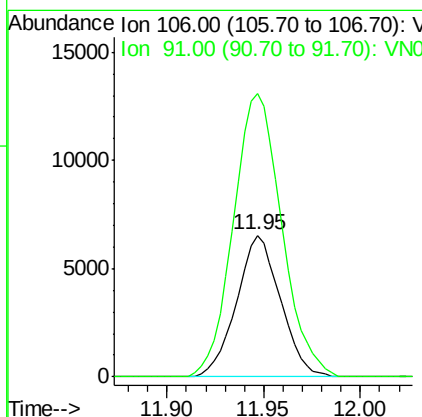
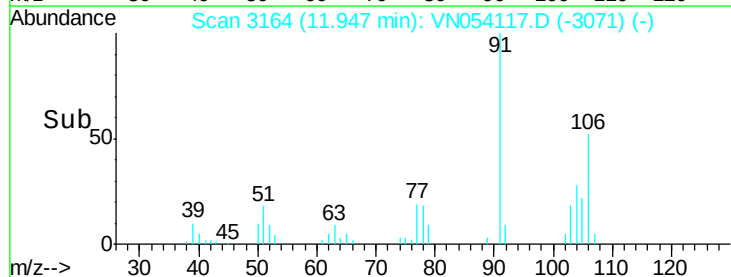
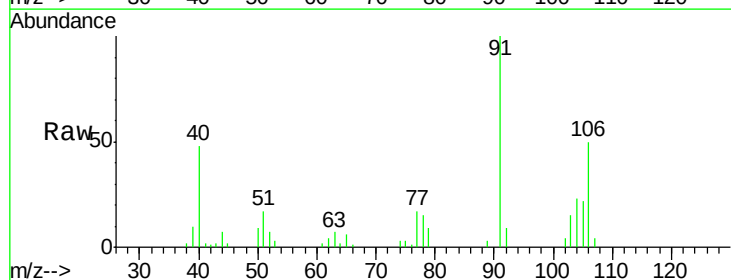
Manual Integrations
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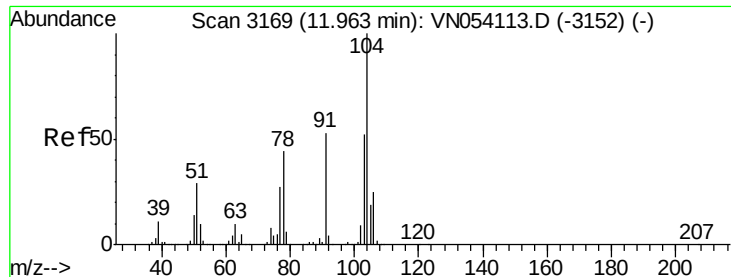
MMDadoda
3/7/2019 11:38:32 AM



#69
o-Xylene
Concen: 0.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion:106 Resp: 10301
Ion Ratio Lower Upper
106 100
91 220.5 107.1 321.3





#70

Stvrene

Concen: 0.933 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

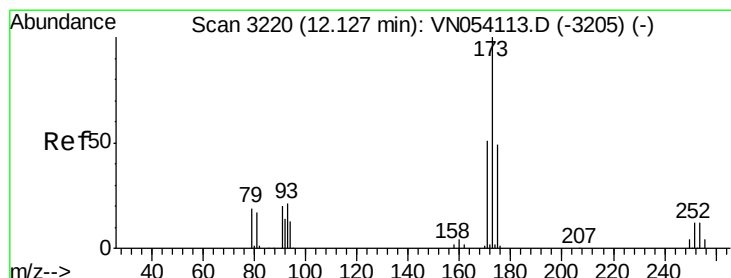
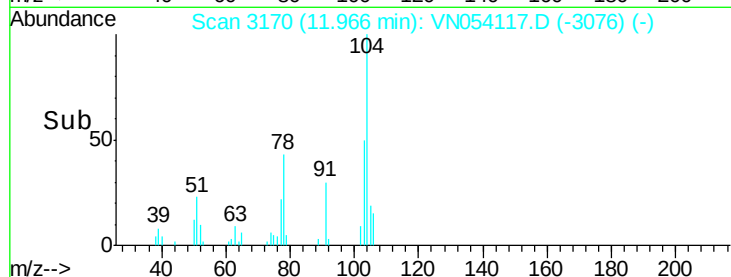
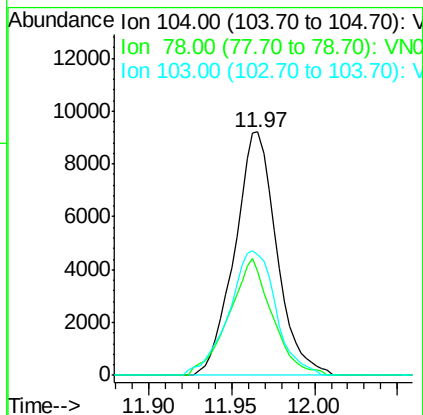
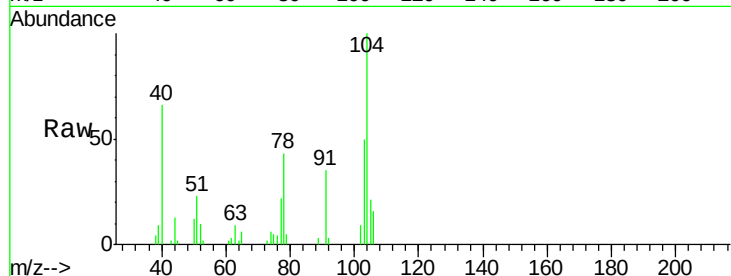
ClientSampled :

VSTDIC001

Tot Ion:	104	Resp:	16247
Ion Ratio	Lower	Upper	
104	100		
78	49.2	39.4	59.0
103	57.1	44.7	67.1

Manual Integrations
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#71

Bromoform

Concen: 0.929 ug/l

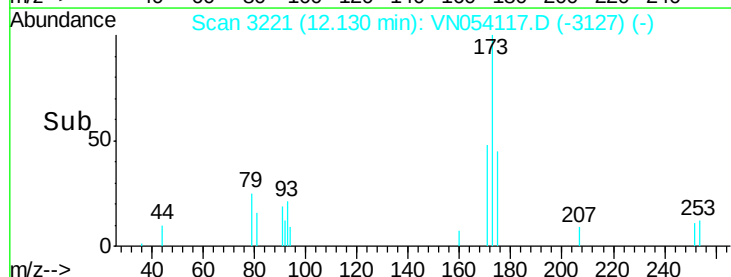
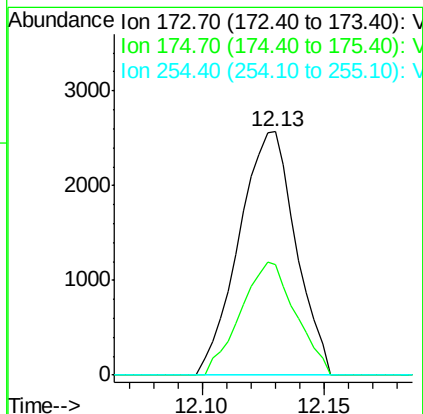
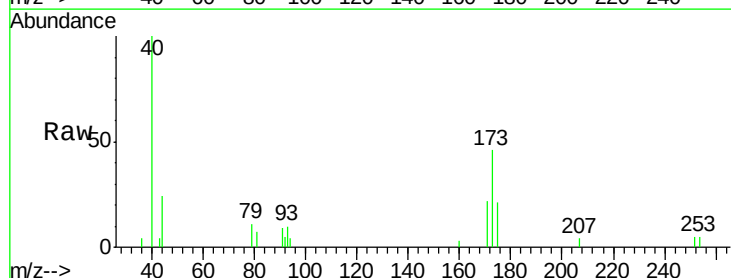
RT: 12.13 min Scan# 3221

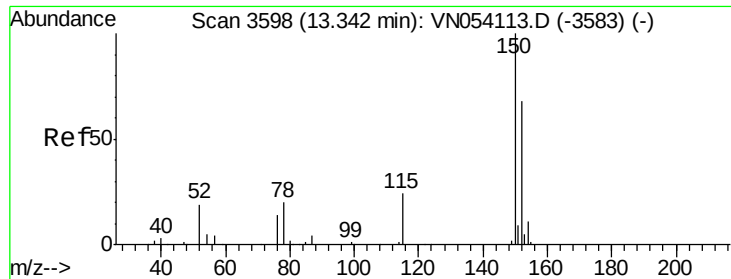
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	173	Resp:	4134
Ion Ratio	Lower	Upper	
173	100		
175	44.7	24.1	72.2
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:152 Resp: 302370

Ion Ratio Lower Upper

152 100

115 56.5 28.5 85.6

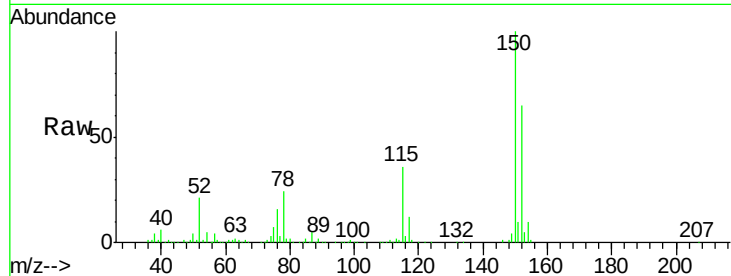
150 156.3 0.0 343.2

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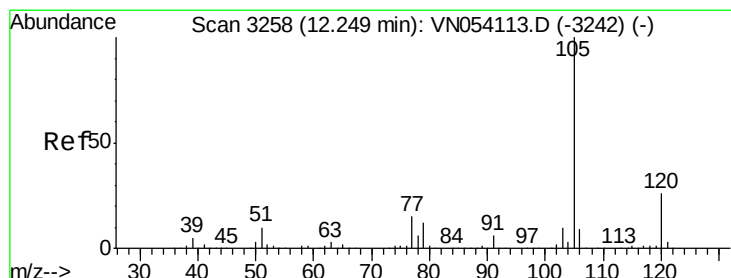
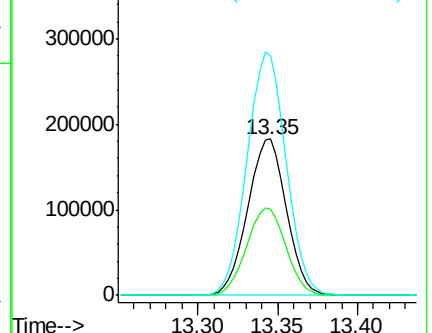
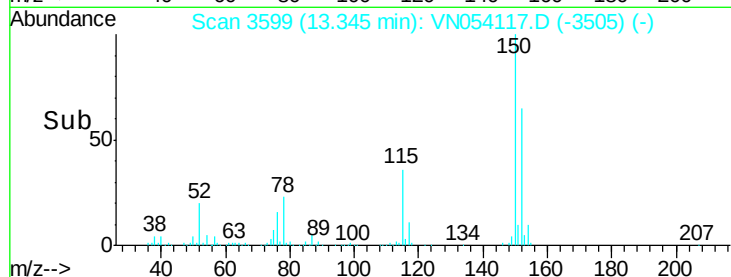
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.175 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054117.D

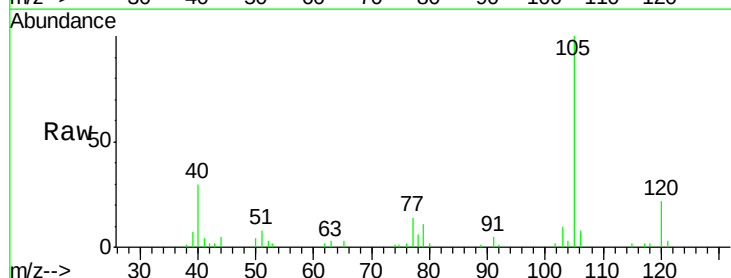
Acq: 6 Mar 2019 13:37

Tgt Ion:105 Resp: 28281

Ion Ratio Lower Upper

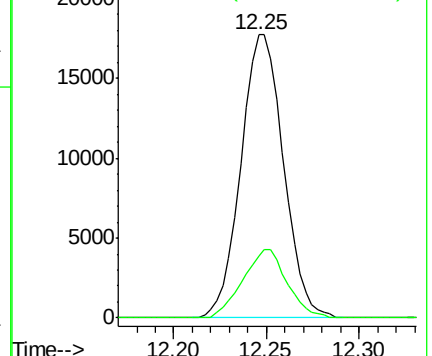
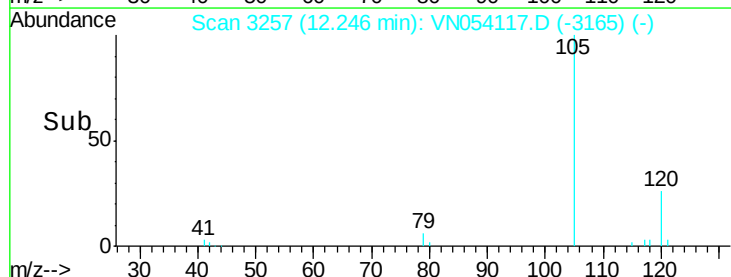
105 100

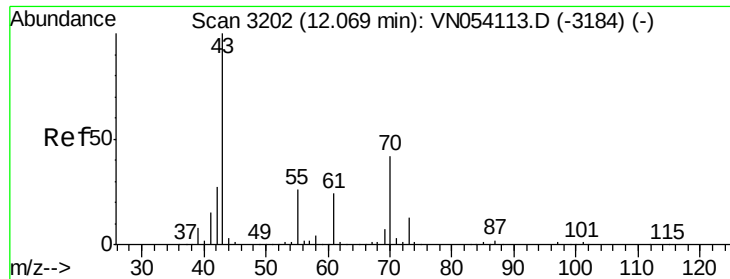
120 24.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.913 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

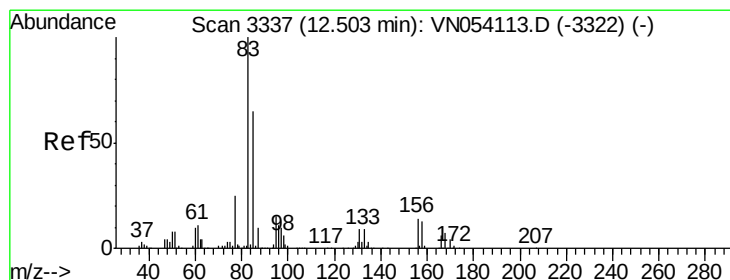
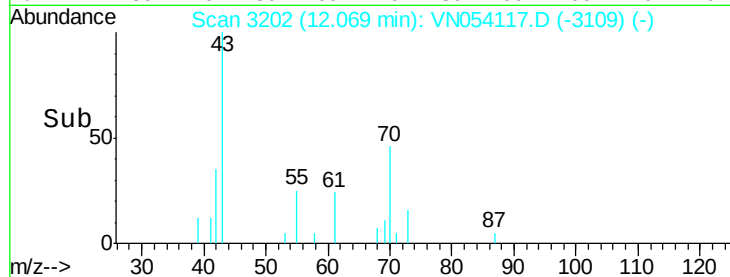
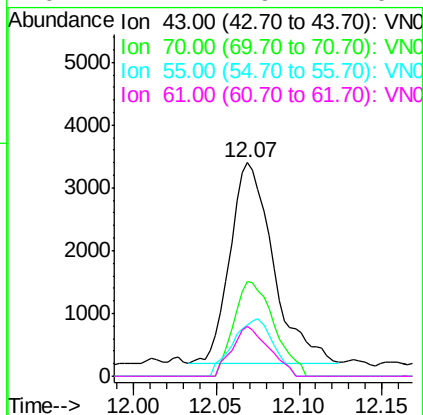
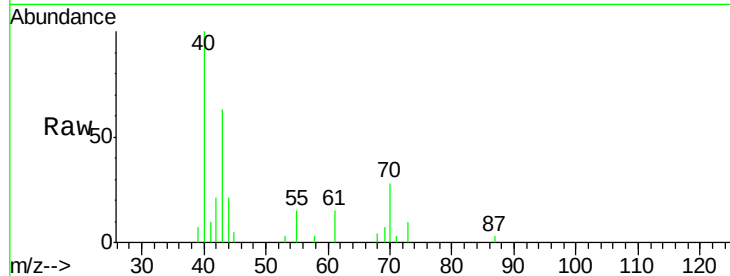
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	5818
Ion	Ratio	Lower	Upper
43	100		
70	43.5	33.6	50.4
55	26.7	20.6	31.0
61	21.1	19.4	29.2

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.271 ug/l

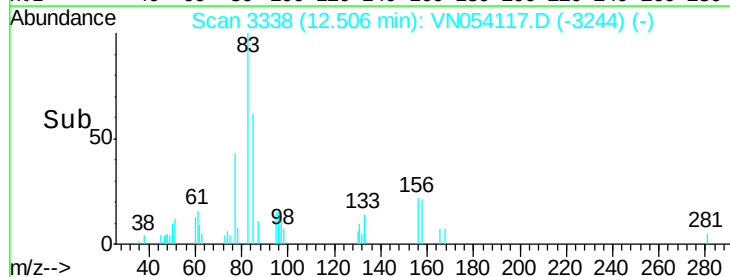
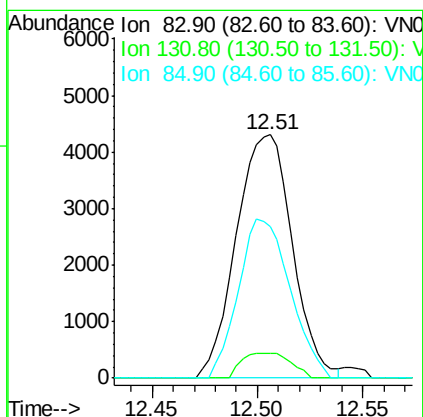
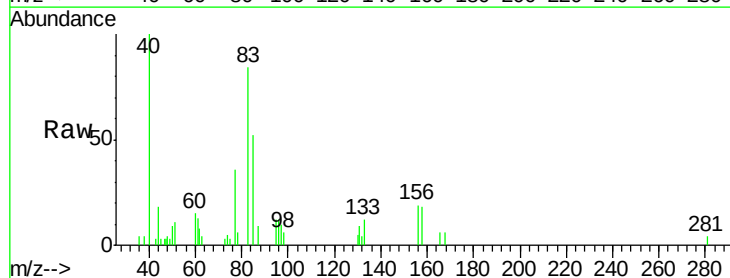
RT: 12.51 min Scan# 3338

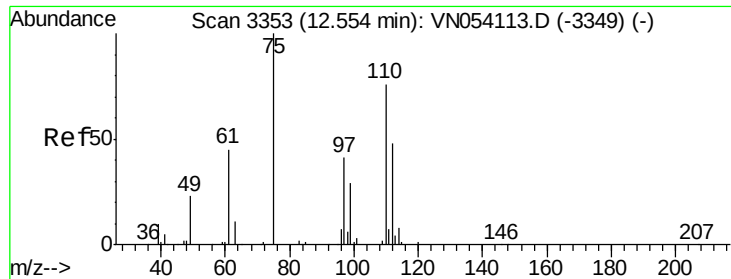
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	83	Resp:	7956
Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.0	14.9
85	60.3	32.4	97.0





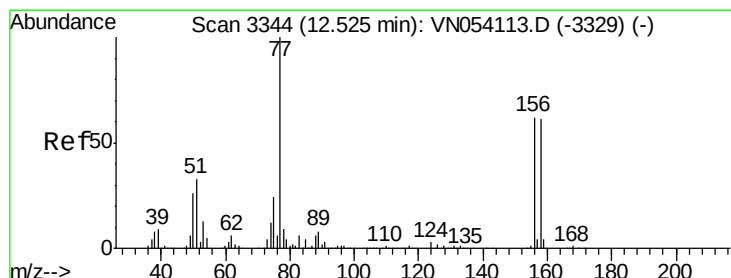
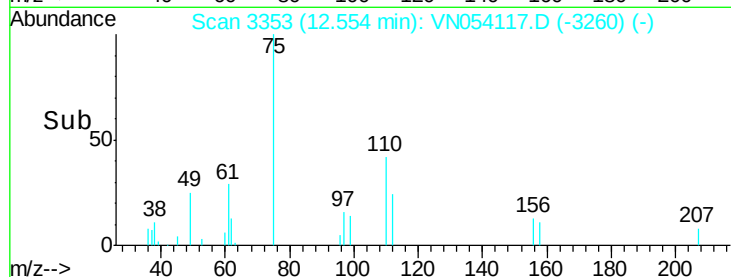
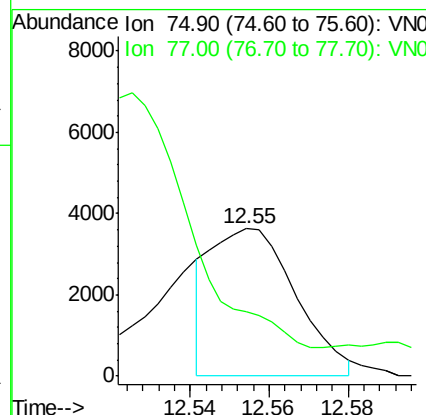
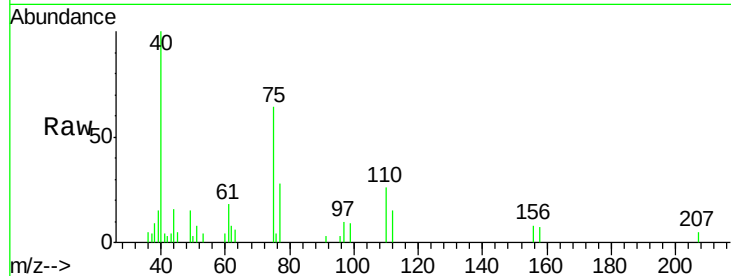
#76
 1,2,3-Trichloropropane
 Concen: 1.146 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 5416
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

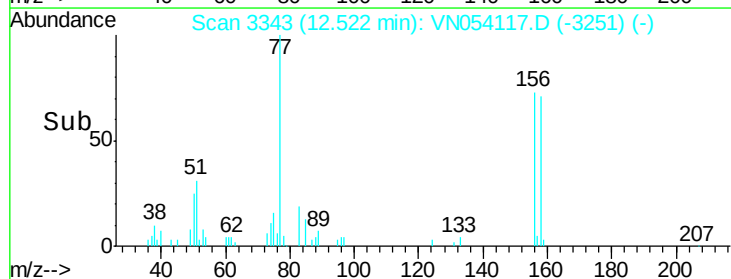
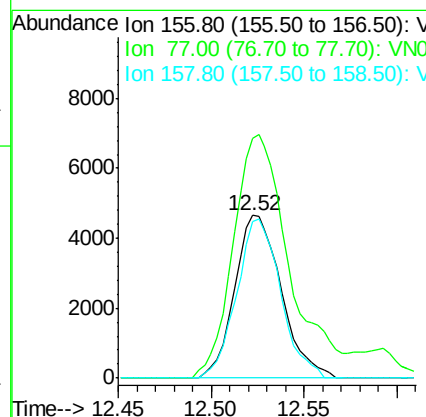
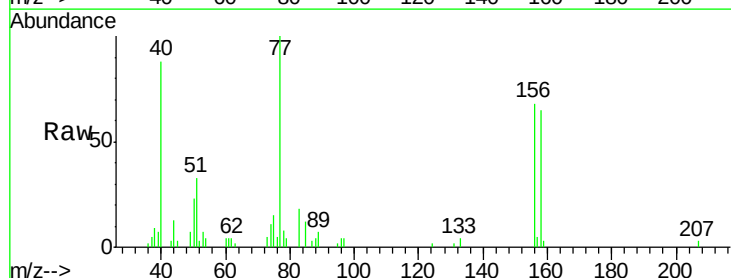
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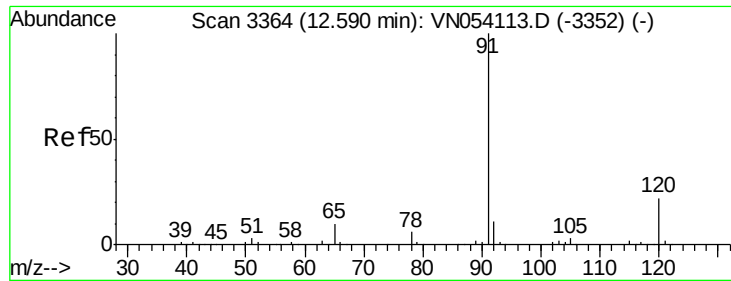
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#77
 Bromobenzene
 Concen: 1.311 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion: 156 Resp: 8125
 Ion Ratio Lower Upper
 156 100
 77 180.2 93.6 280.8
 158 92.5 48.4 145.0





#78

n-propylbenzene

Concen: 1.107 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 29967

Ion Ratio Lower Upper

91 100

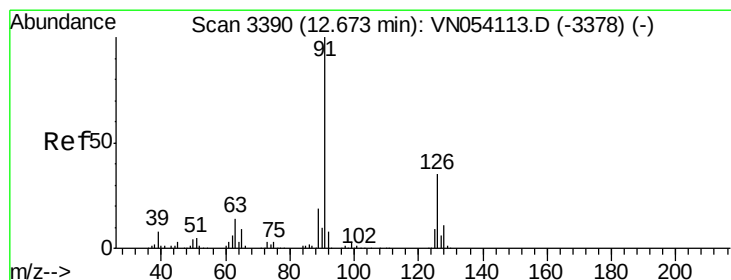
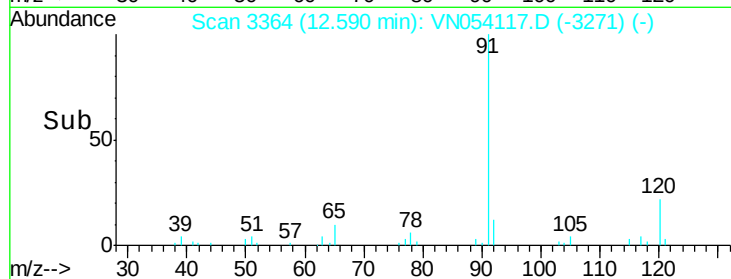
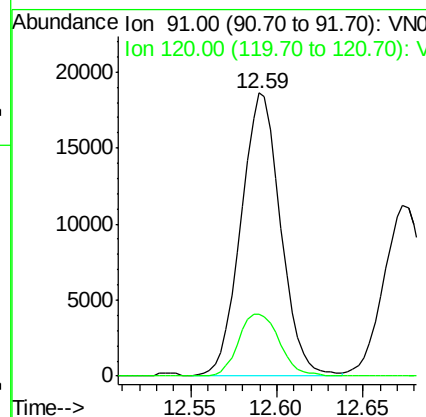
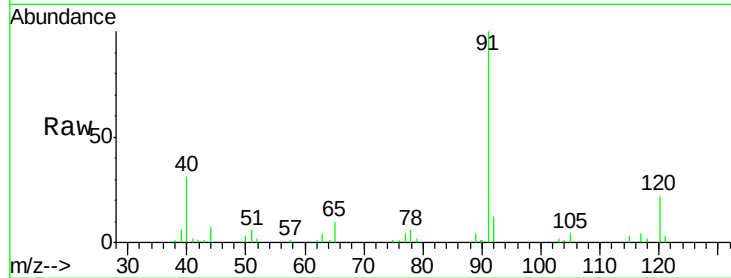
120 22.6 11.3 33.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.159 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054117.D

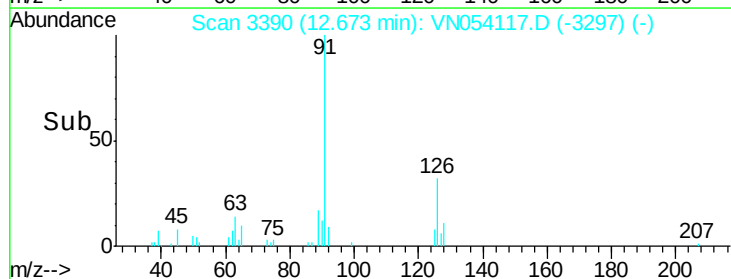
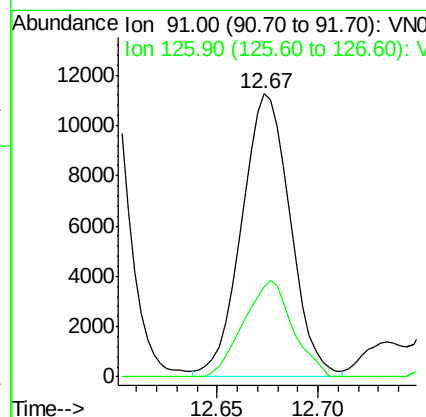
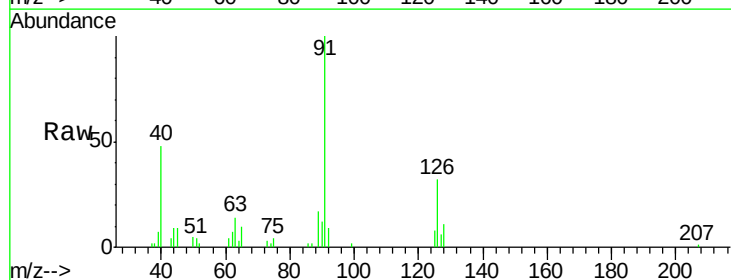
Acq: 6 Mar 2019 13:37

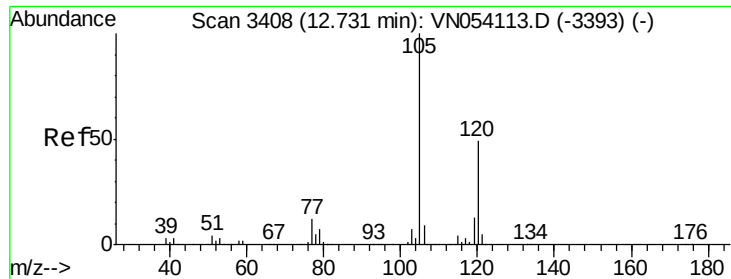
Tgt Ion: 91 Resp: 19064

Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.2





#80

1,3,5-Trimethylbenzene

Concen: 1.082 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 21159

Ion Ratio Lower Upper

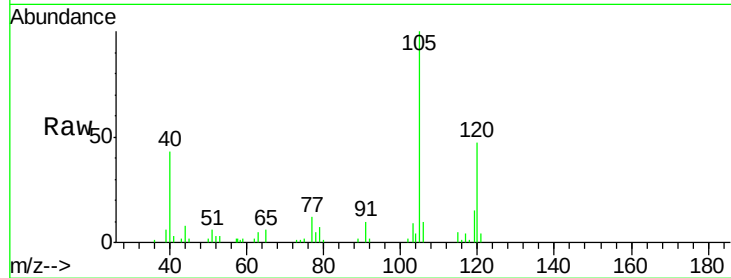
105 100

120 46.1 24.6 73.8

Manual Integrations
APPROVED

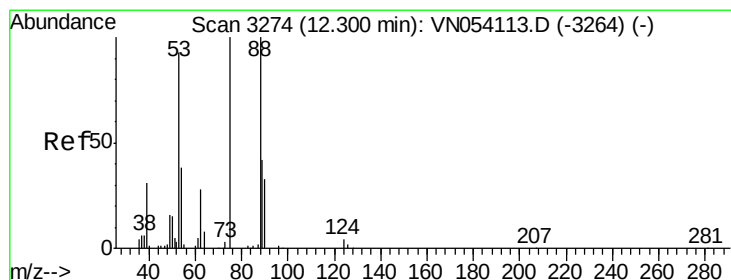
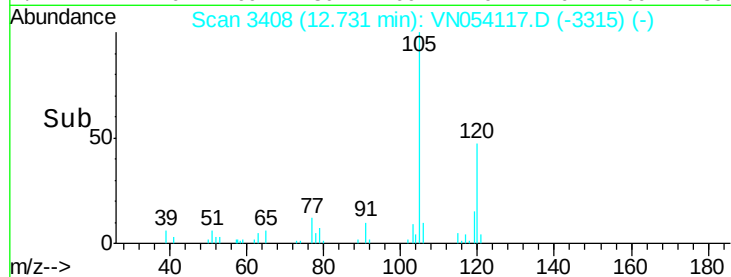
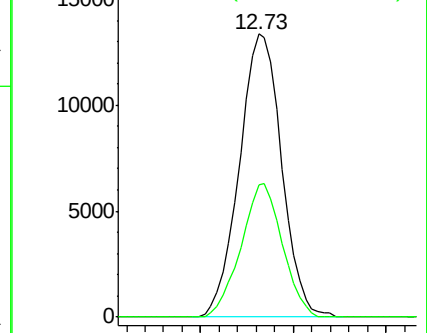
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.962 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

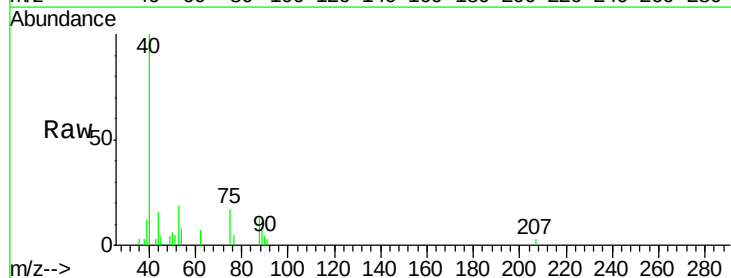
Tgt Ion: 75 Resp: 1443

Ion Ratio Lower Upper

75 100

53 118.6 76.4 114.6#

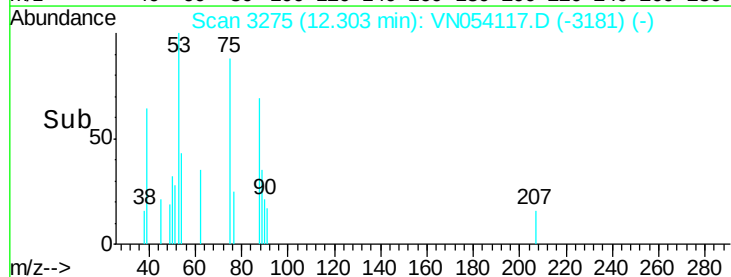
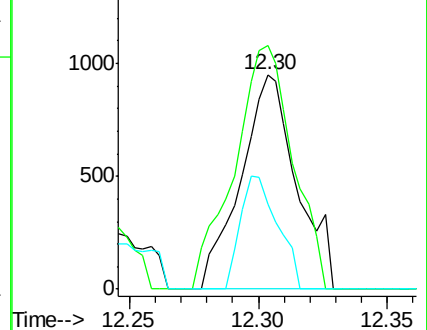
89 35.3 35.3 52.9#

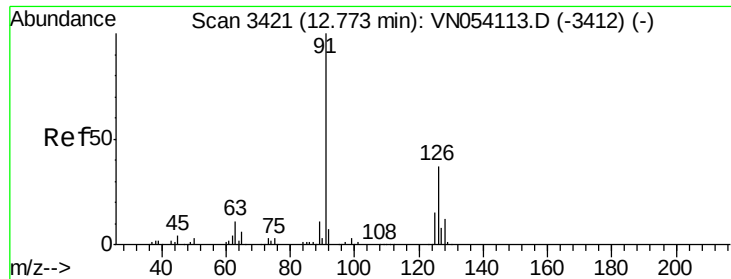


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 1.182 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 19369

Ion Ratio Lower Upper

91 100

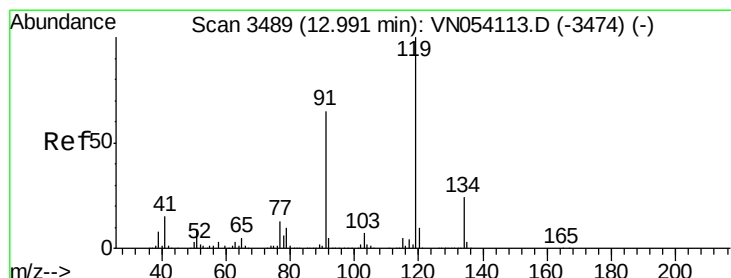
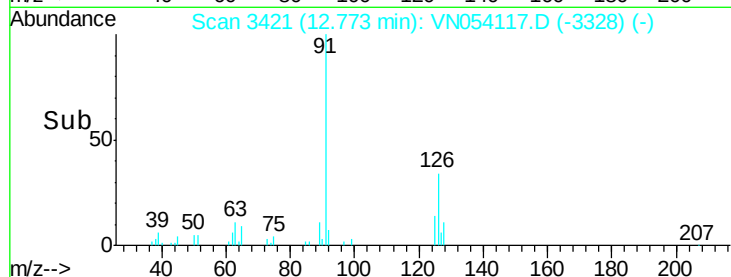
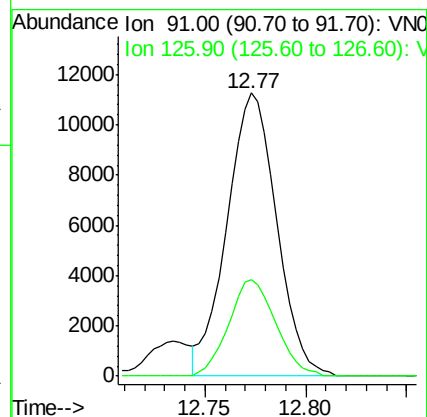
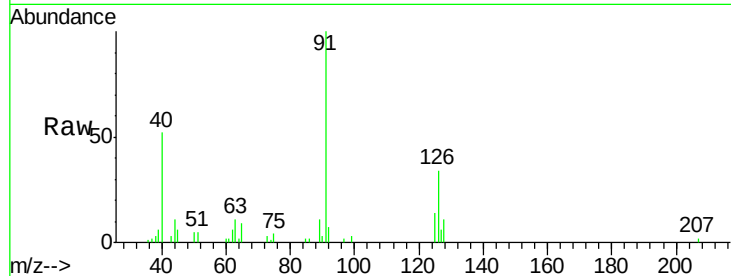
126 32.2 17.1 51.3

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#83

tert-Butylbenzene

Concen: 1.104 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

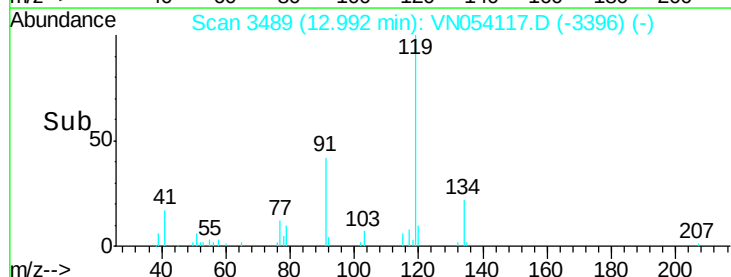
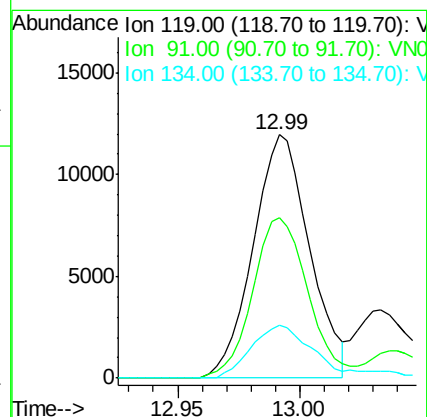
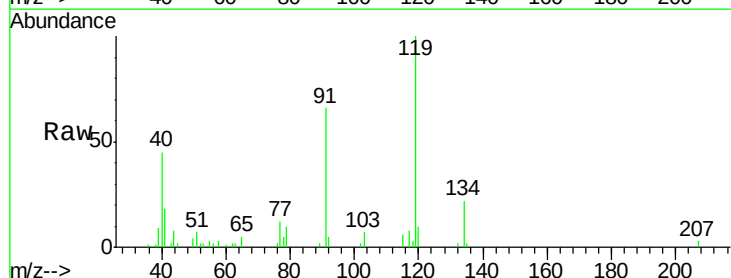
Tgt Ion: 119 Resp: 19115

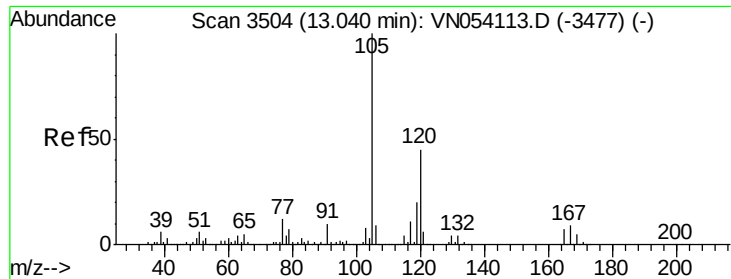
Ion Ratio Lower Upper

119 100

91 64.5 31.8 95.3

134 25.3 12.8 38.3





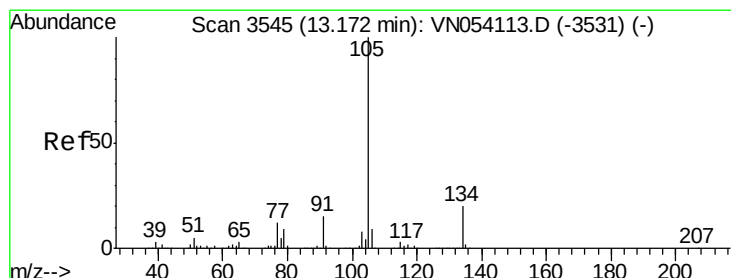
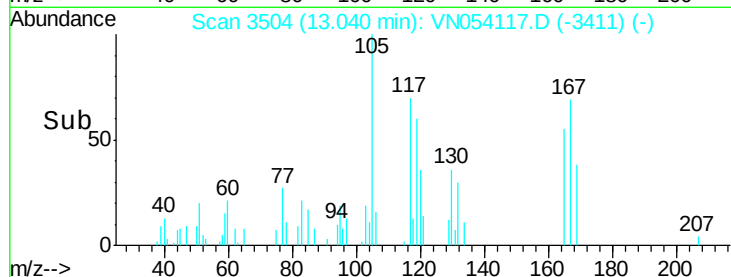
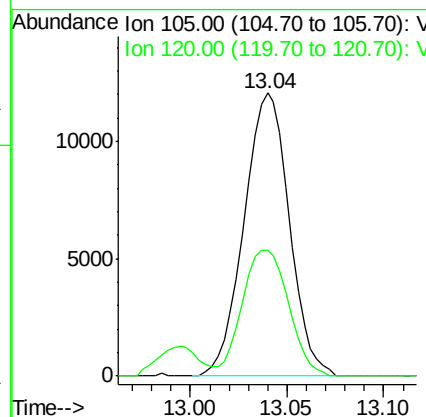
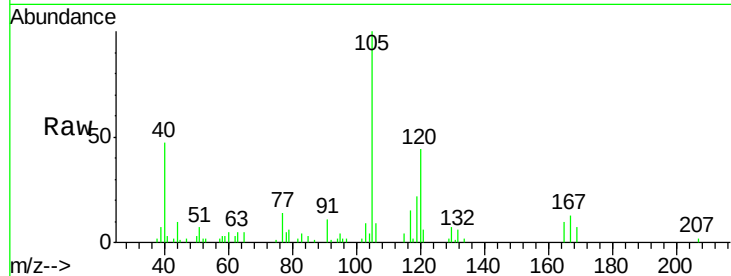
#84
 1,2,4-Trimethylbenzene
 Concen: 1.012 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 19645
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.7

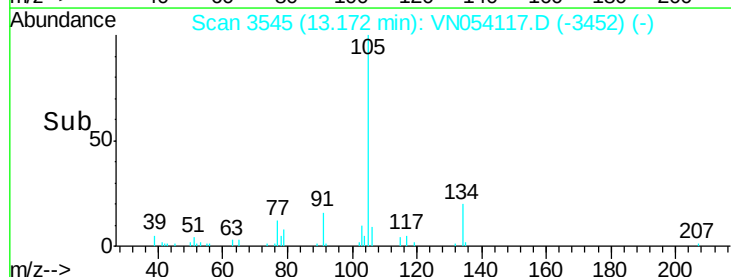
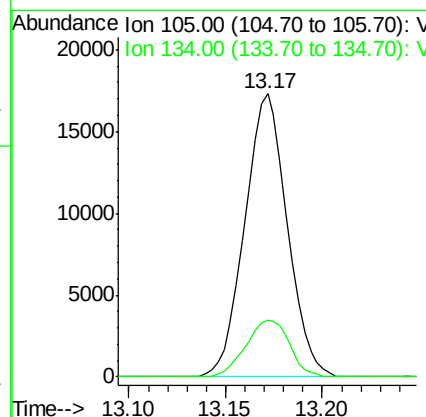
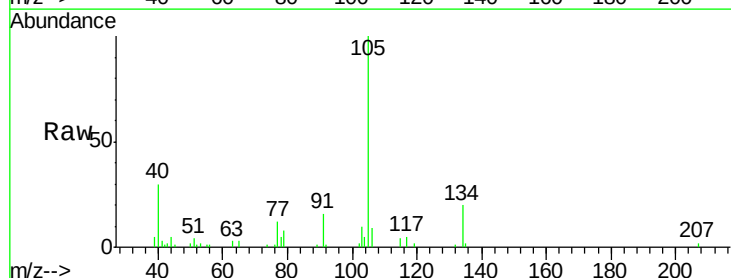
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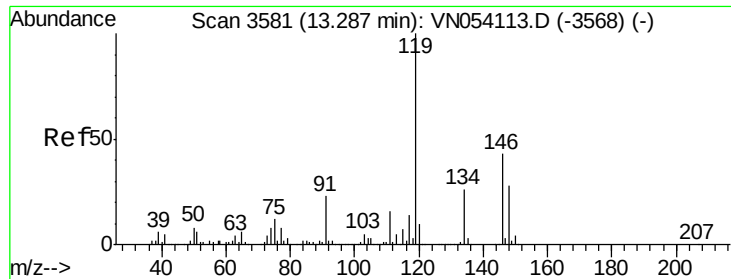
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#85
 sec-Butylbenzene
 Concen: 1.123 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion:105 Resp: 26407
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.8 29.5





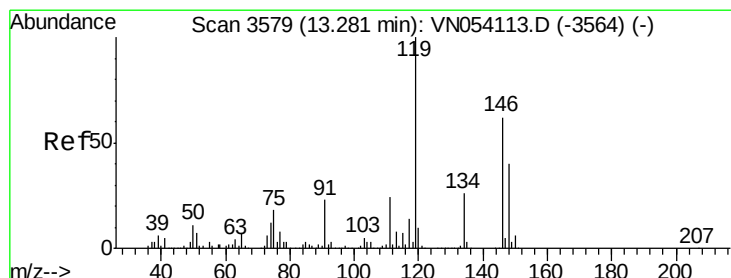
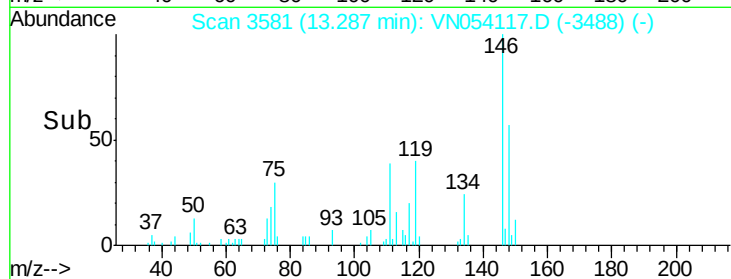
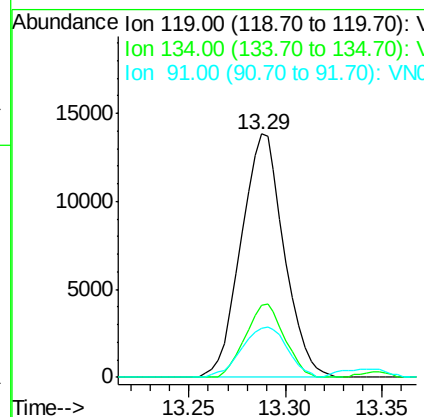
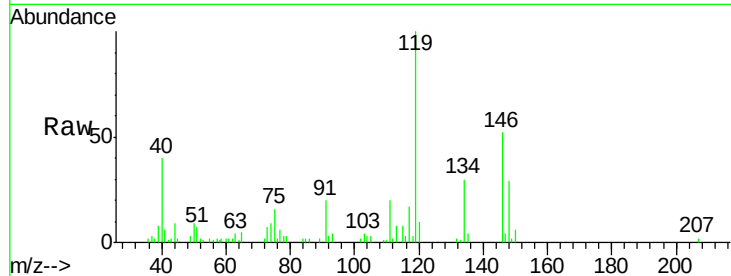
#86
 p-Isopropyltoluene
 Concen: 1.080 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.2	39.5
91	22.0	11.4	34.2

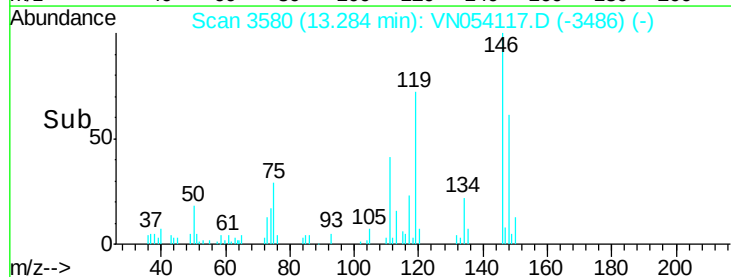
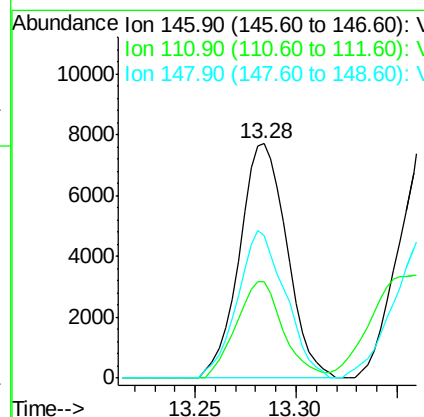
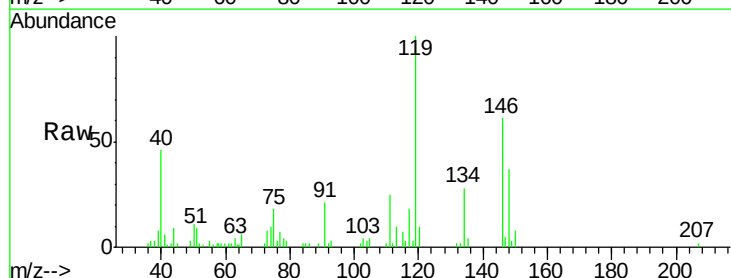
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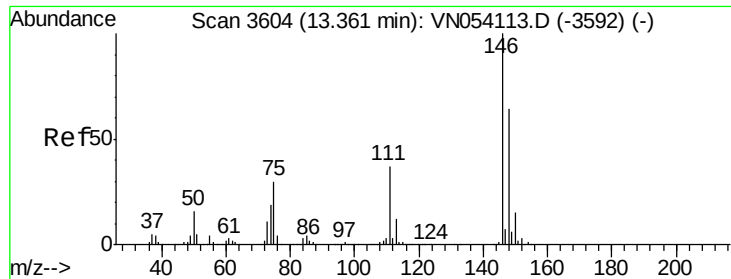
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#87
 1,3-Dichlorobenzene
 Concen: 1.205 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.3	57.8
148	63.3	32.4	97.0





#88

1,4-Dichlorobenzene

Concen: 1.285 ug/l m

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

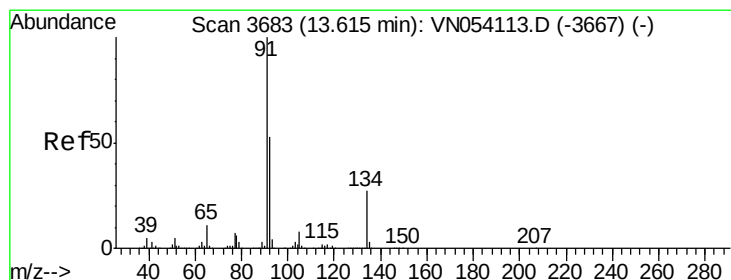
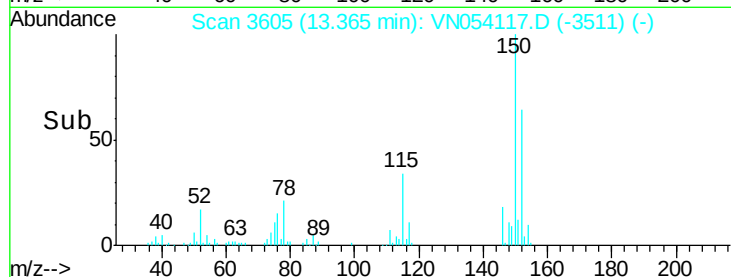
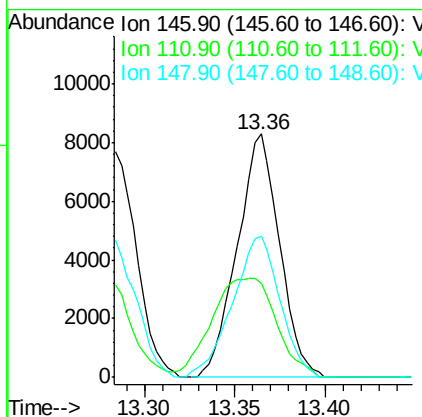
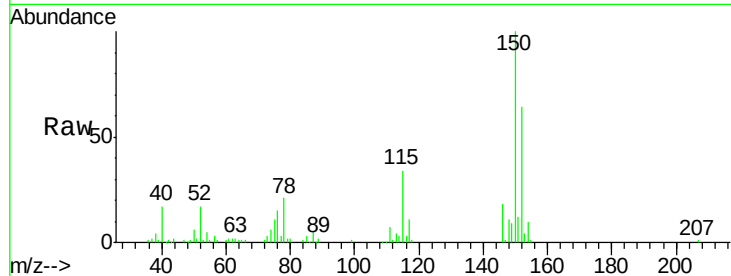
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	13425
Ion Ratio	Lower	Upper	
146	100		
111	38.8	18.9	56.5
148	59.8	32.1	96.5

Manual Integrations
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#89

n-Butylbenzene

Concen: 1.100 ug/l

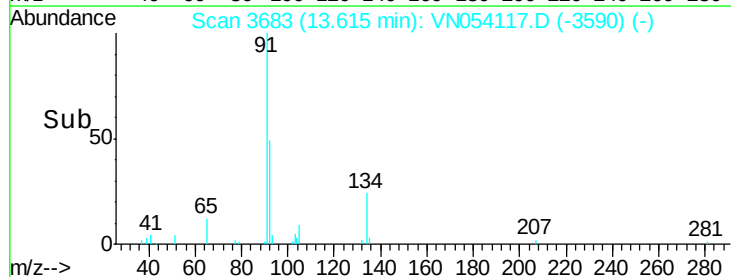
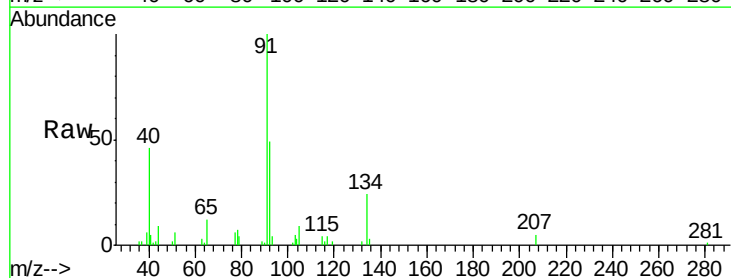
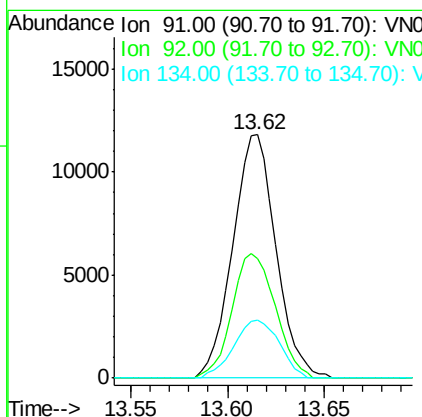
RT: 13.62 min Scan# 3683

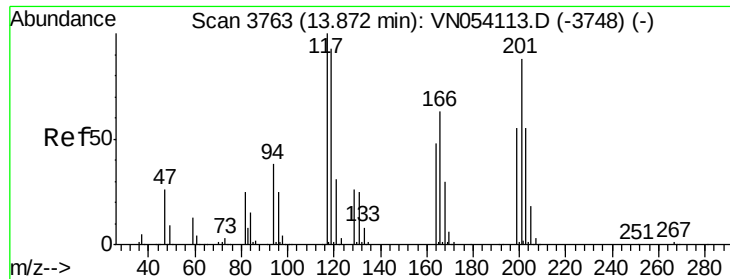
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	91	Resp:	18352
Ion Ratio	Lower	Upper	
91	100		
92	51.0	26.0	78.0
134	24.9	13.1	39.1





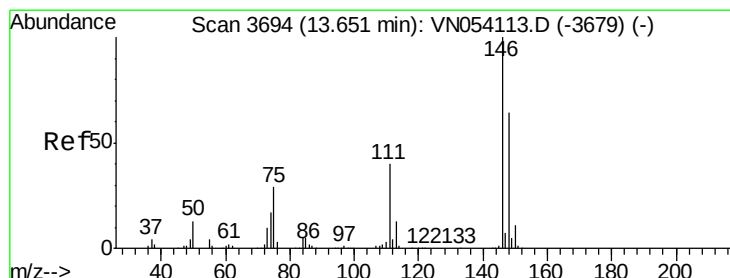
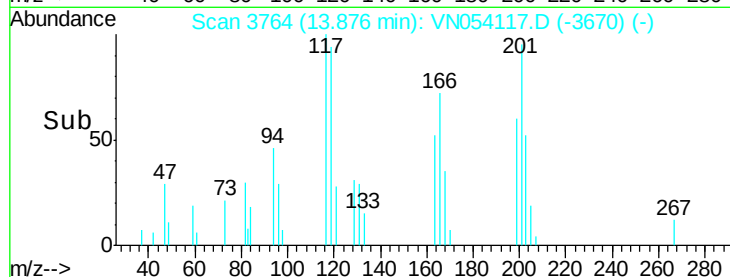
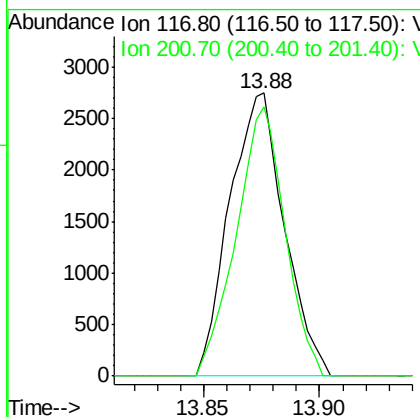
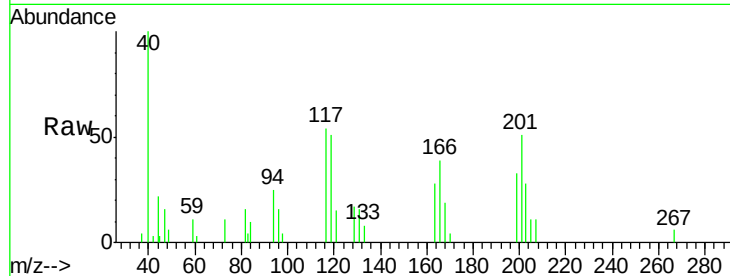
#90
Hexachloroethane
Concen: 1.189 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 4505
Ion Ratio Lower Upper
117 100
201 84.9 44.9 134.7

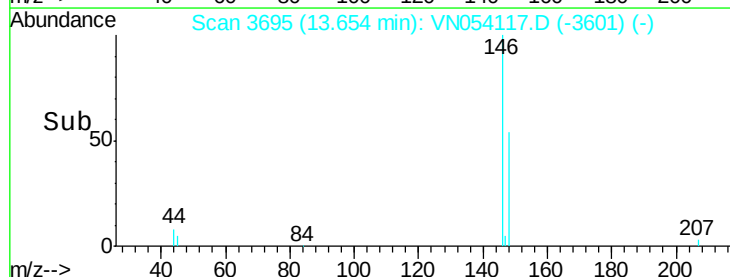
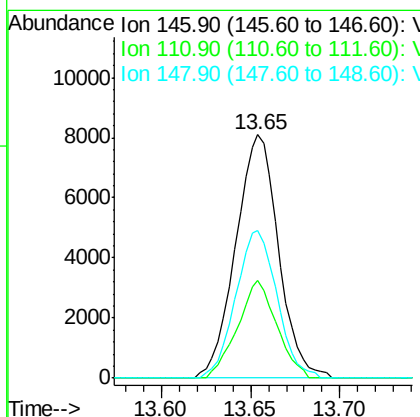
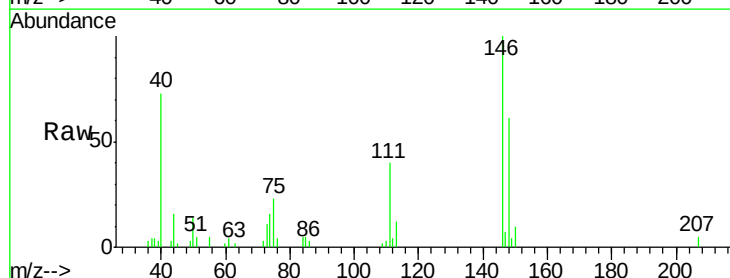
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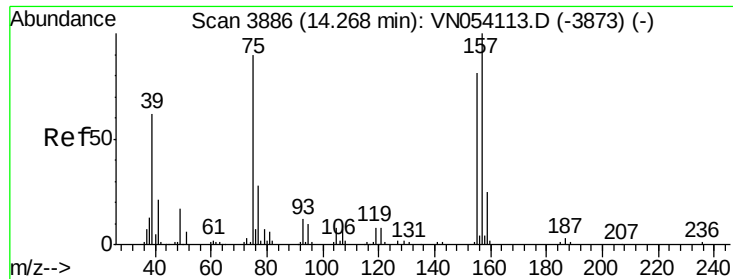
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#91
1,2-Dichlorobenzene
Concen: 1.290 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN054117.D
Acq: 6 Mar 2019 13:37

Tgt Ion:146 Resp: 13518
Ion Ratio Lower Upper
146 100
111 36.6 20.0 60.0
148 58.4 32.3 96.9





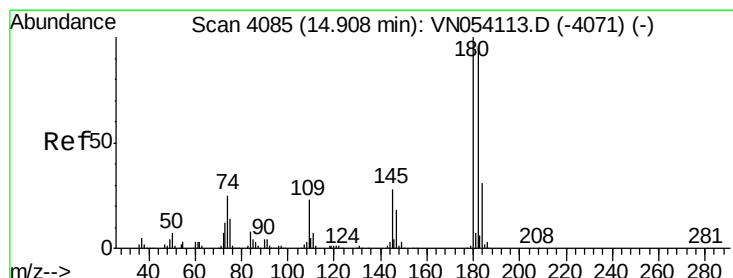
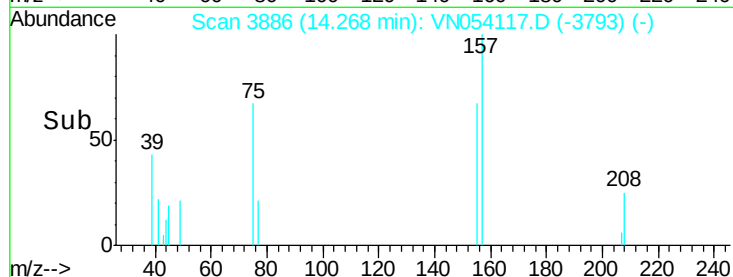
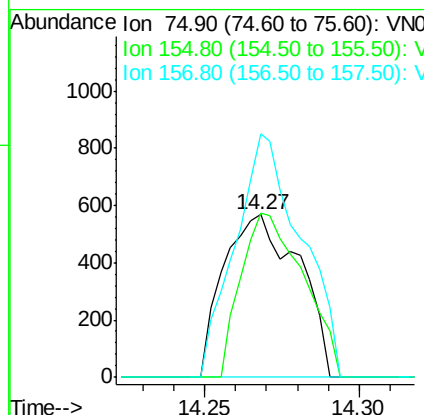
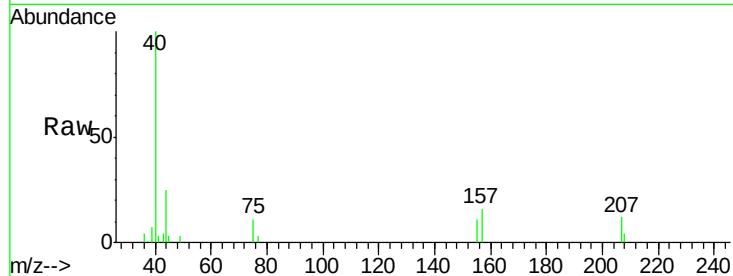
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.097 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	83.6	44.5	133.5
157	131.2	57.2	171.6

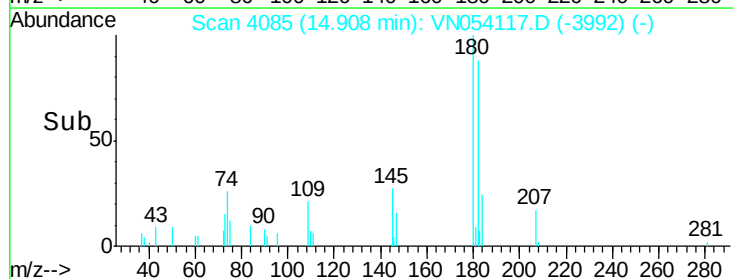
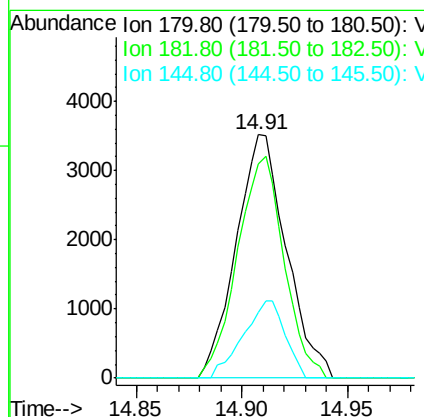
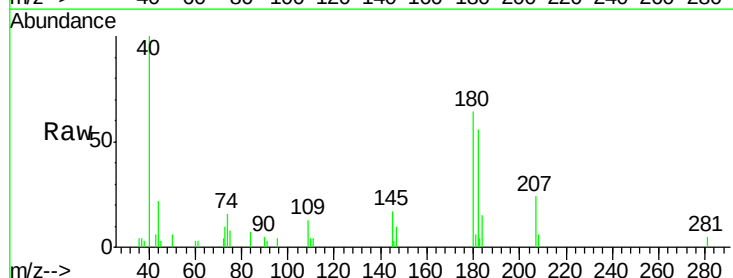
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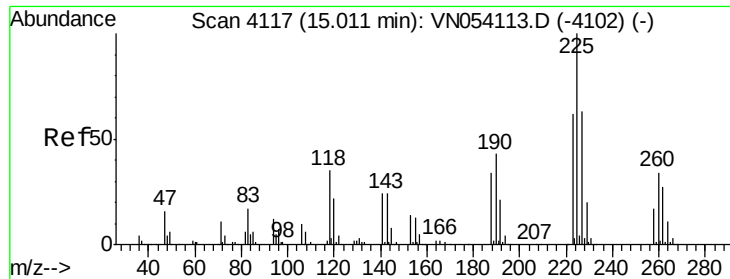
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.163 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.4	48.1	144.3
145	26.5	13.9	41.7





#94

Hexachlorobutadiene

Concen: 1.465 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Instrument :

MSVOA_N

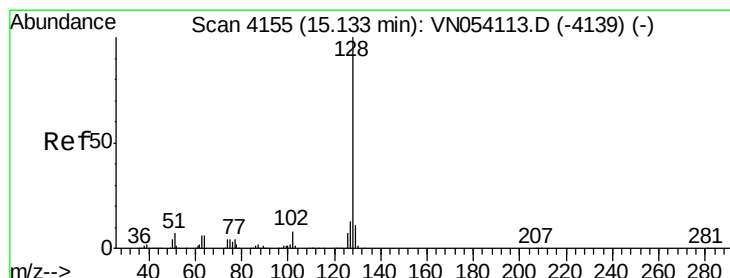
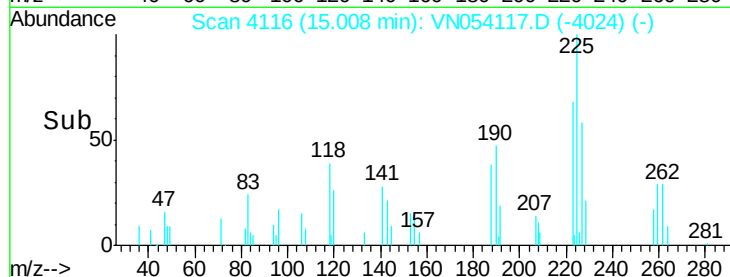
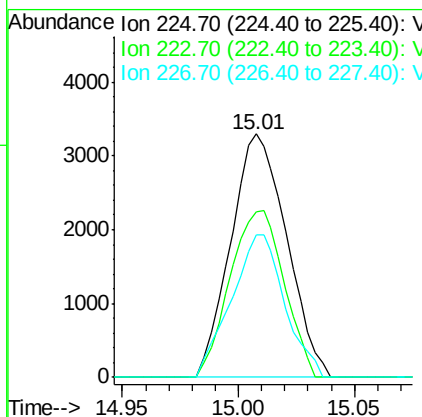
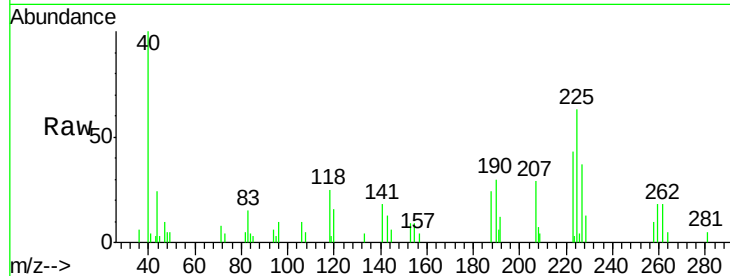
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	5497
Ion Ratio	Lower	Upper	
225	100		
223	66.5	31.2	93.6
227	56.0	31.9	95.7

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#95

Naphthalene

Concen: 1.191 ug/l

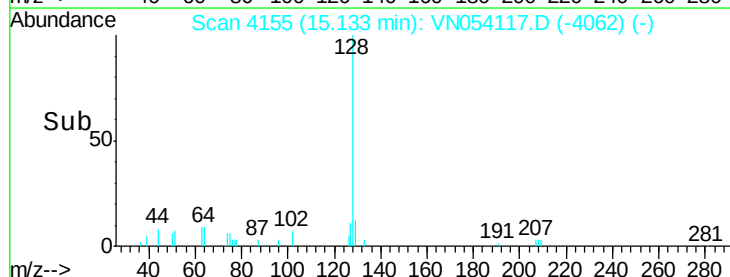
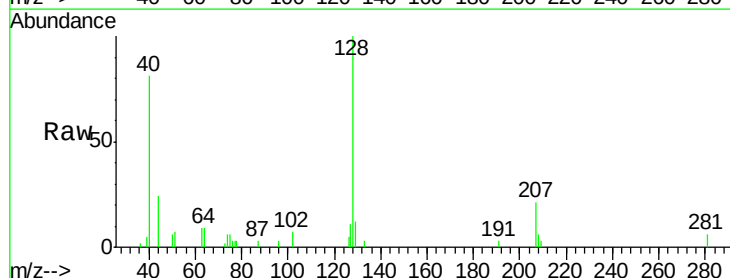
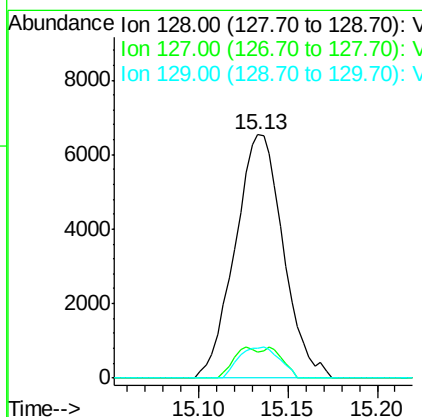
RT: 15.13 min Scan# 4155

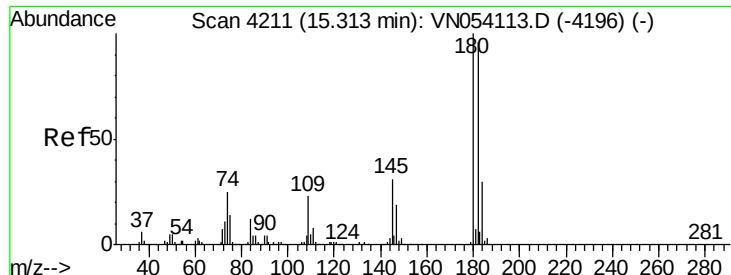
Delta R.T. 0.00 min

Lab File: VN054117.D

Acq: 6 Mar 2019 13:37

Tgt Ion:	128	Resp:	12291
Ion Ratio	Lower	Upper	
128	100		
127	6.5	10.4	15.6#
129	10.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.309 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN054117.D
 Acq: 6 Mar 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6590		
182	99.9		47.9	143.7
145	28.2		14.9	44.5

Manual Integrations
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