

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053560.D
 Acq On : 30 Jan 2019 9:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:18 AM

Quant Time: Jan 30 10:40:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 30 10:36:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	723429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	951722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	451642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	141746	19.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.68%	
35) Dibromofluoromethane	7.59	113	136740	21.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.36%	
50) Toluene-d8	10.09	98	501047	19.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.56%	
62) 4-Bromofluorobenzene	12.40	95	164943	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	166851	27.023	ug/l	99
3) Chloromethane	2.06	50	176355	21.051	ug/l	99
4) Vinyl Chloride	2.19	62	171964	21.267	ug/l	99
5) Bromomethane	2.57	94	107158	19.457	ug/l	97
6) Chloroethane	2.71	64	95825	19.848	ug/l	95
7) Trichlorofluoromethane	3.02	101	227368	21.429	ug/l	99
8) Diethyl Ether	3.41	74	81255	20.603	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138797	20.802	ug/l	98
10) Methyl Iodide	3.96	142	214673	20.905	ug/l	100
11) Tert butyl alcohol	4.79	59	39459	107.238	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	134826	20.817	ug/l	98
13) Acrolein	3.61	56	13833	25.790	ug/l	96
14) Allyl chloride	4.33	41	207848	19.885	ug/l	98
15) Acrylonitrile	4.99	53	230779	100.454	ug/l	99
16) Acetone	3.82	43	171065	100.657	ug/l	99
17) Carbon Disulfide	4.05	76	414699	21.083	ug/l	99
18) Methyl Acetate	4.33	43	103048	18.442	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	336730	19.714	ug/l	99
20) Methylene Chloride	4.55	84	151107	19.804	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	144520	20.926	ug/l	97
22) Diisopropyl ether	5.95	45	392928	18.313	ug/l	93
23) Vinyl Acetate	5.90	43	1356064	100.785	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261054	20.259	ug/l	99
25) 2-Butanone	6.84	43	254974	98.463	ug/l	100
26) 2,2-Dichloropropane	6.83	77	195512	20.011	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160203	20.319	ug/l	98
28) Bromochloromethane	7.19	49	115446	20.350	ug/l	97
29) Tetrahydrofuran	7.21	42	167453	99.237	ug/l	98
30) Chloroform	7.37	83	258052	20.529	ug/l	97
31) Cyclohexane	7.65	56	241991	17.108	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	212379	19.882	ug/l	100
36) 1,1-Dichloropropene	7.79	75	194600	19.762	ug/l	99
37) Ethyl Acetate	6.93	43	111813	19.671	ug/l	100
38) Carbon Tetrachloride	7.77	117	196152	20.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223636	18.426	ug/l	99
40) Benzene	8.04	78	606081	20.226	ug/l	100
41) Methacrylonitrile	7.17	41	55355	18.477	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	178673	20.439	ug/l	99
43) Isopropyl Acetate	8.16	43	203065	20.014	ug/l #	84
44) Trichloroethene	8.83	130	170372	20.502	ug/l	98
45) 1,2-Dichloropropane	9.12	63	155315	19.622	ug/l	99
46) Dibromomethane	9.21	93	90340	19.775	ug/l	96
47) Bromodichloromethane	9.40	83	191695	19.989	ug/l	98
48) Methyl methacrylate	9.20	41	91240	17.537	ug/l	91
49) 1,4-Dioxane	9.20	88	27293	496.958	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	521578	94.651	ug/l	98
52) Toluene	10.16	92	361677	19.546	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186860	19.293	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	225360	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	128986	20.097	ug/l	99
56) Ethyl methacrylate	10.43	69	149530	18.542	ug/l	98
57) 1,3-Dichloropropane	10.71	76	218414	19.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	427401	95.550	ug/l	99
59) 2-Hexanone	10.75	43	342040	88.957	ug/l	100
60) Dibromochloromethane	10.90	129	143174	19.695	ug/l	100
61) 1,2-Dibromoethane	11.01	107	124282	19.317	ug/l	98
64) Tetrachloroethene	10.63	164	159732	18.126	ug/l	99
65) Chlorobenzene	11.43	112	393417	19.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	137631	19.673	ug/l	99
67) Ethyl Benzene	11.51	91	655343	19.277	ug/l	100
68) m/p-Xylenes	11.62	106	509691	39.643	ug/l	100
69) o-Xylene	11.95	106	244044	19.517	ug/l	99
70) Styrene	11.96	104	401621	19.847	ug/l	100
71) Bromoform	12.13	173	95306	19.779	ug/l #	98
73) Isopropylbenzene	12.25	105	644785	19.748	ug/l	99
74) N-amyl acetate	12.07	43	145202	16.971	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	147348	21.088	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113043m	18.975	ug/l	
77) Bromobenzene	12.53	156	170913	19.762	ug/l	98
78) n-propylbenzene	12.59	91	744690	19.825	ug/l	100
79) 2-Chlorotoluene	12.67	91	433007	19.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	538260	20.133	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38716	18.816	ug/l	95
82) 4-Chlorotoluene	12.77	91	443875	19.524	ug/l	100
83) tert-Butylbenzene	12.99	119	477696	20.294	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	555535	20.584	ug/l	99
85) sec-Butylbenzene	13.17	105	645391	19.969	ug/l	99
86) p-Isopropyltoluene	13.29	119	563943	20.069	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	302188	19.853	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296116	19.357	ug/l	99
89) n-Butylbenzene	13.62	91	476756	19.871	ug/l	99
90) Hexachloroethane	13.87	117	87655	19.813	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	294757	20.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21728	23.890	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168653	28.378	ug/l	99
94) Hexachlorobutadiene	15.01	225	104955	23.387	ug/l	99
95) Naphthalene	15.13	128	354529	33.659	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	160792	35.432	ug/l	100

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

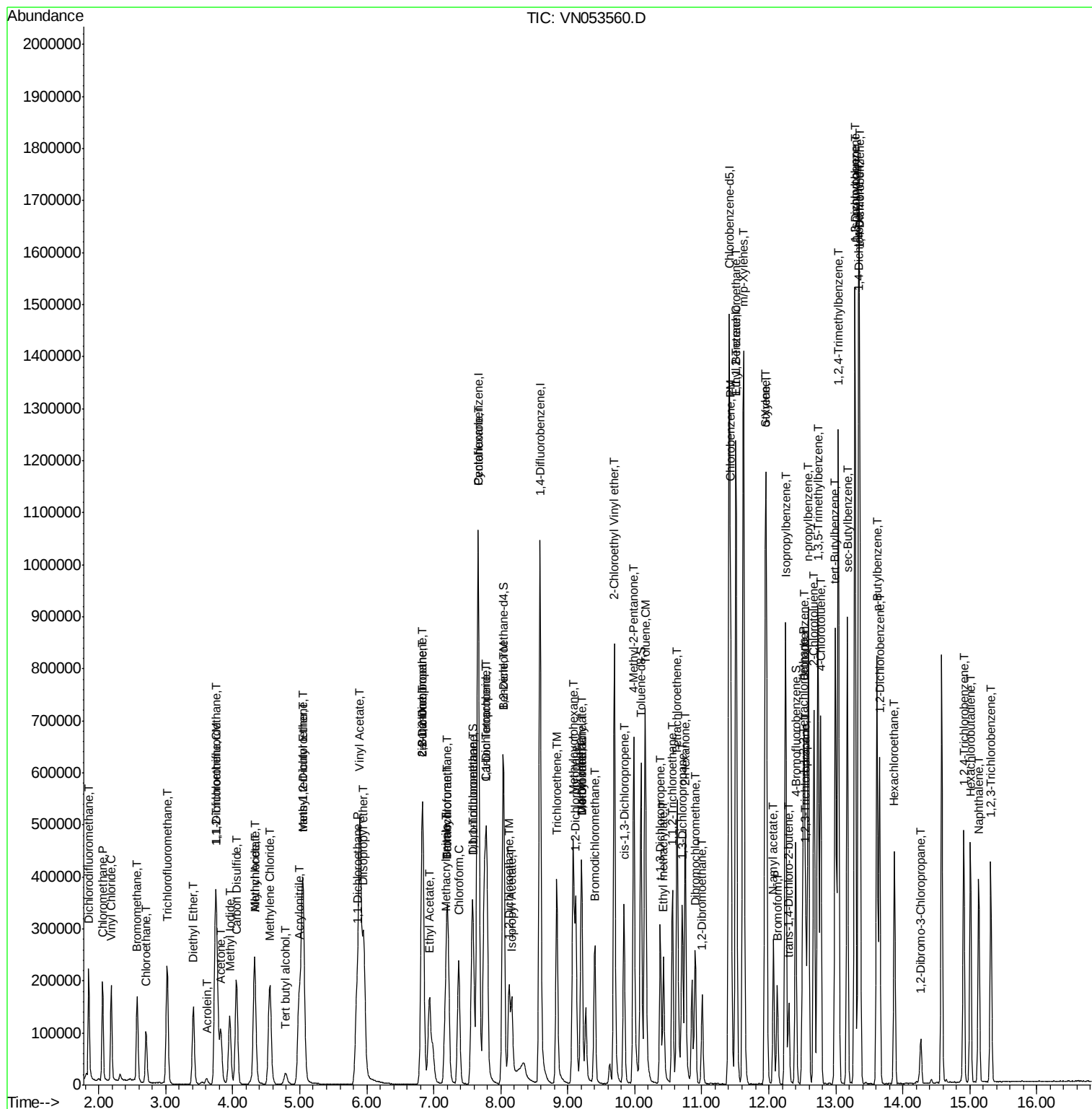
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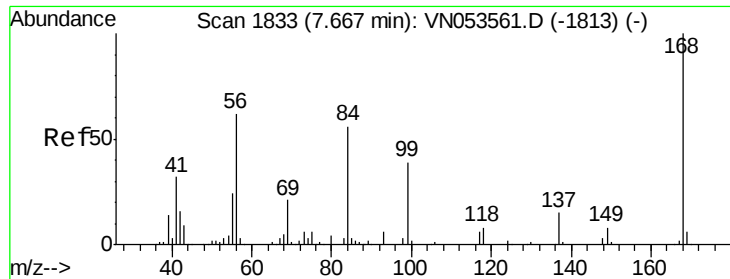
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 723429

Ion Ratio Lower Upper

168 100

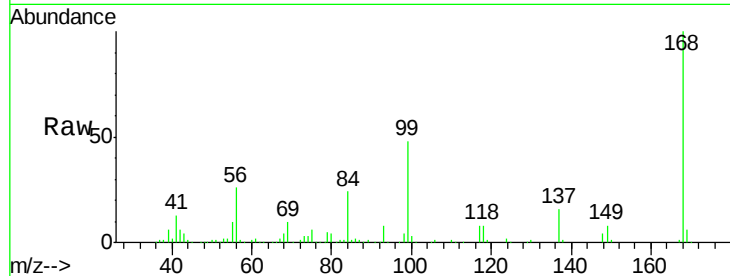
99 47.7 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

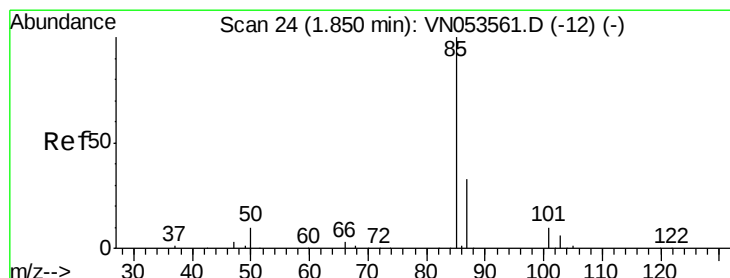
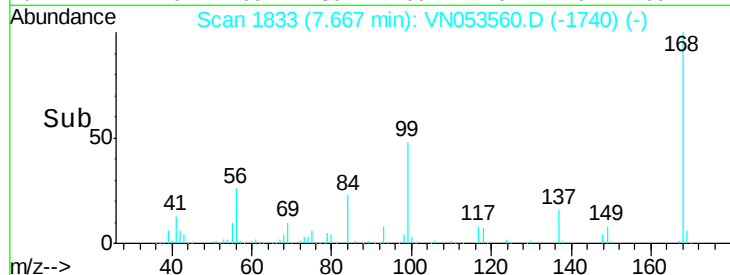
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 27.023 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053560.D

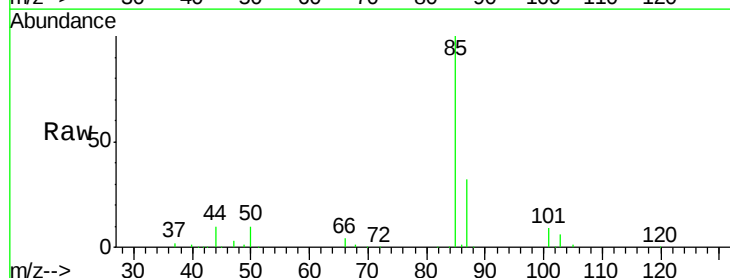
Acq: 30 Jan 2019 9:46

Tgt Ion: 85 Resp: 166851

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

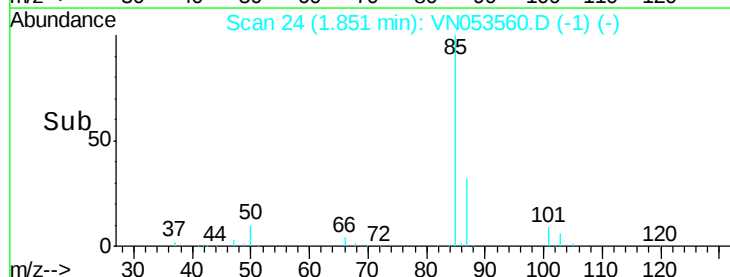
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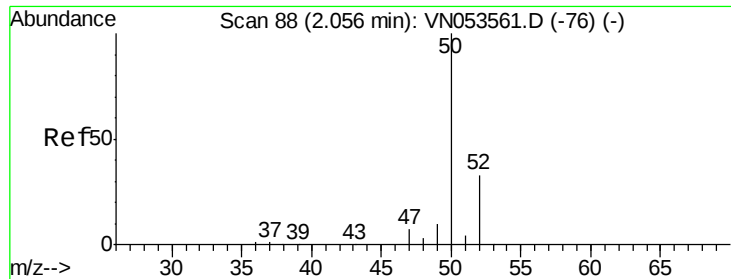
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.051 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 50 Resp: 176355

Ion Ratio Lower Upper

50 100

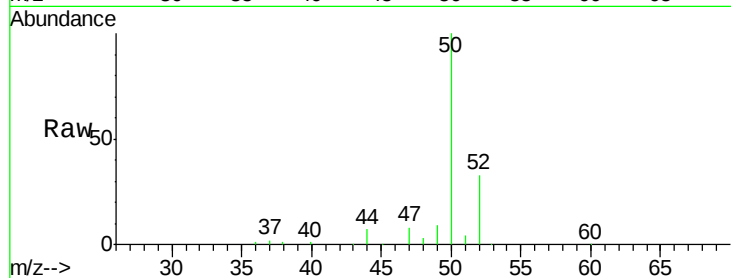
52 33.0 26.6 40.0

Manual Integrations

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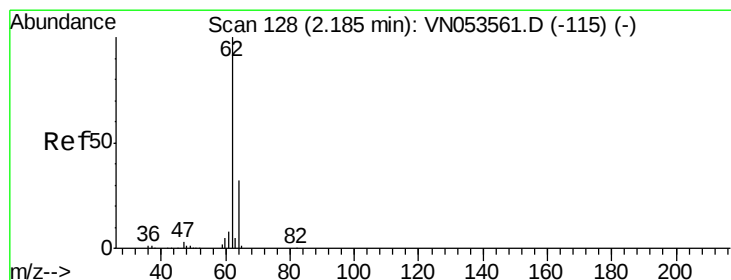
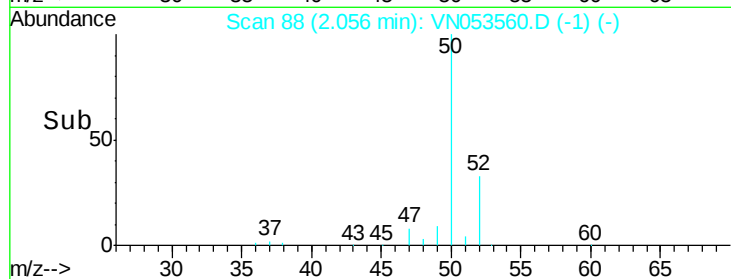
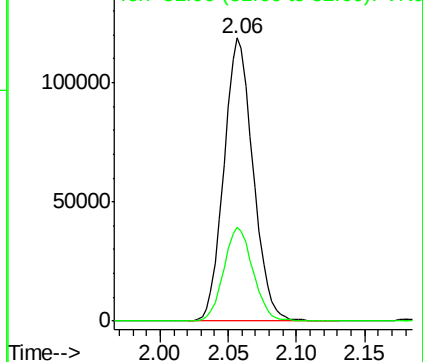
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.267 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053560.D

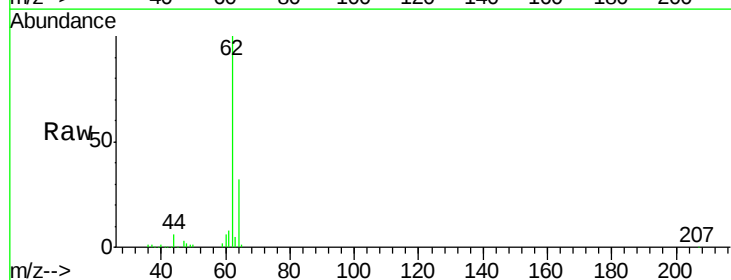
Acq: 30 Jan 2019 9:46

Tgt Ion: 62 Resp: 171964

Ion Ratio Lower Upper

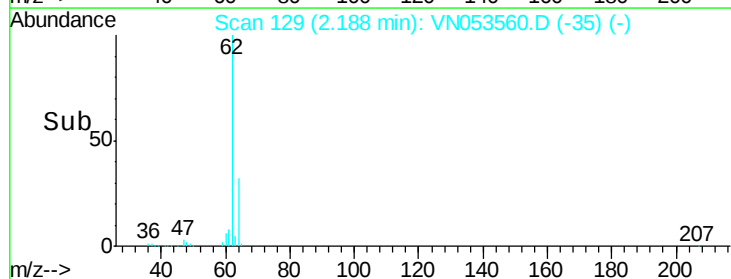
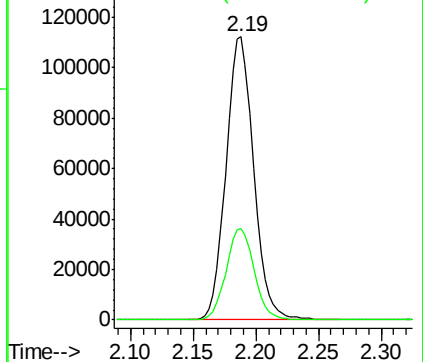
62 100

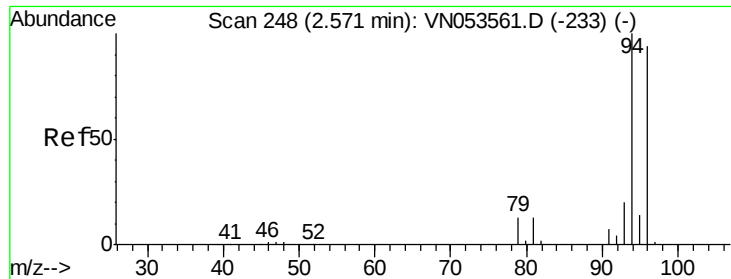
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





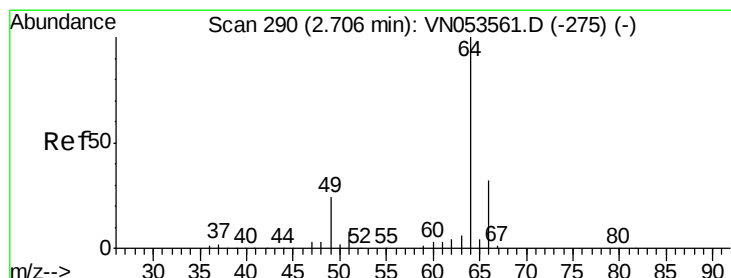
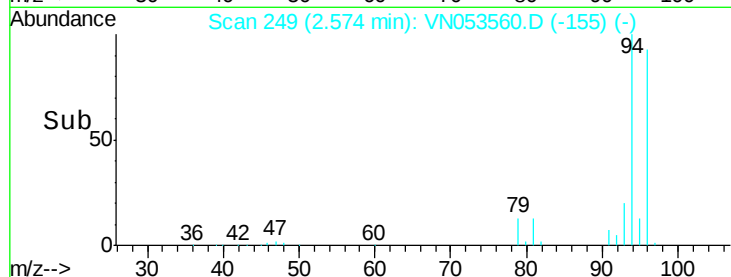
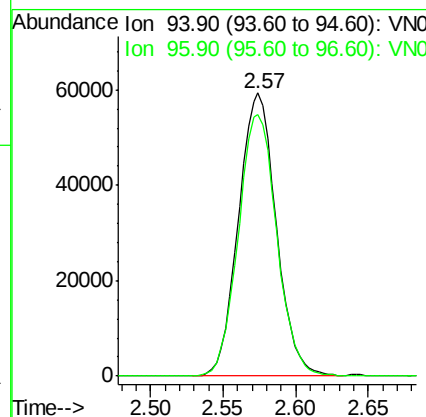
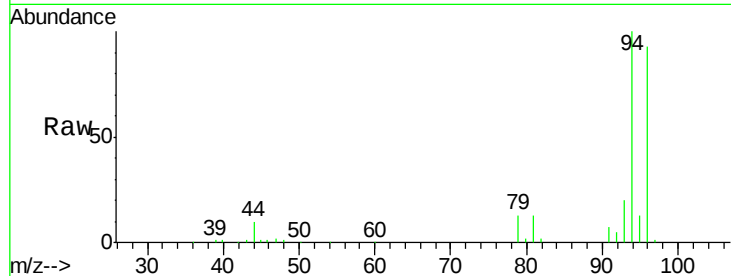
#5
Bromomethane
Concen: 19.457 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
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Tgt Ion: 94 Resp: 107158
Ion Ratio Lower Upper
94 100
96 92.6 76.8 115.2

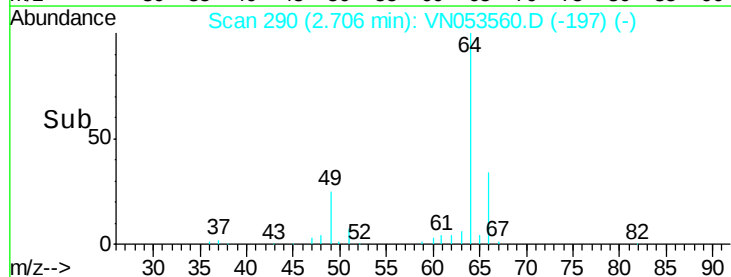
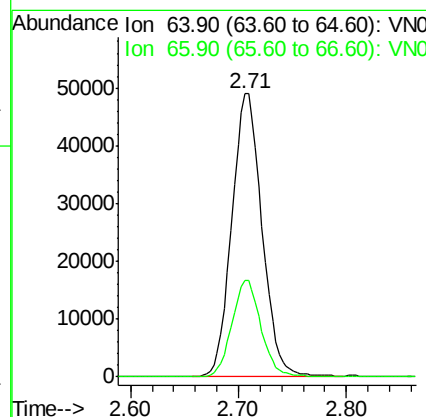
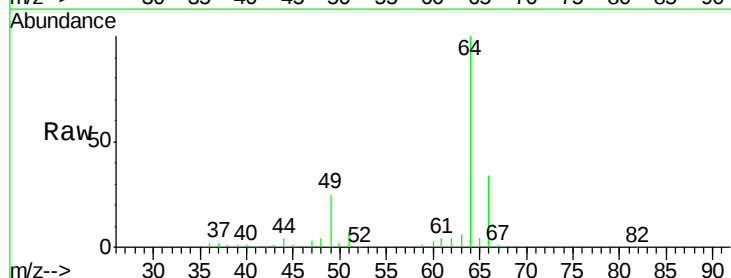
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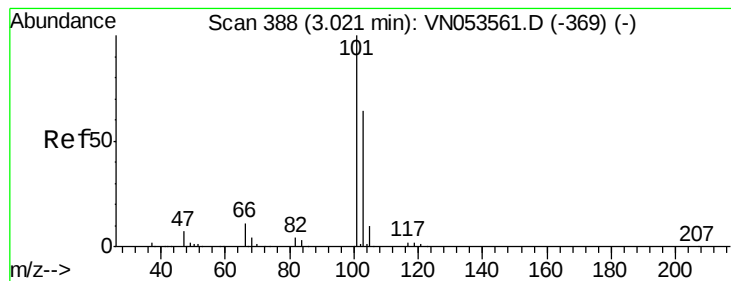
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#6
Chloroethane
Concen: 19.848 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 64 Resp: 95825
Ion Ratio Lower Upper
64 100
66 34.3 25.1 37.7





#7

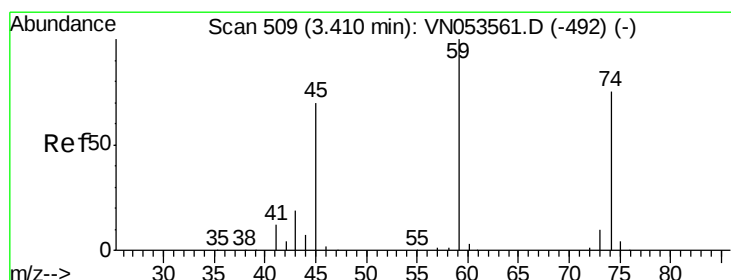
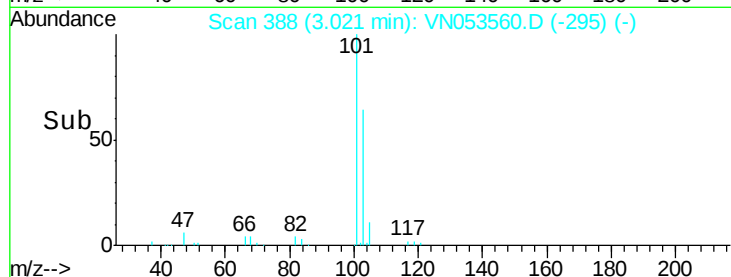
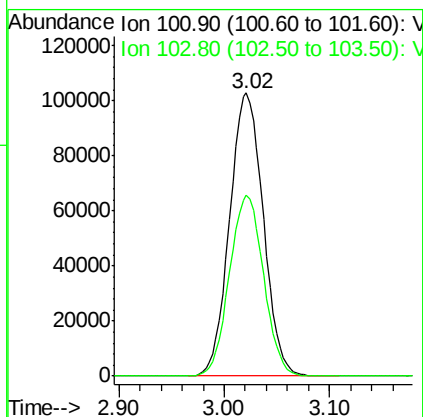
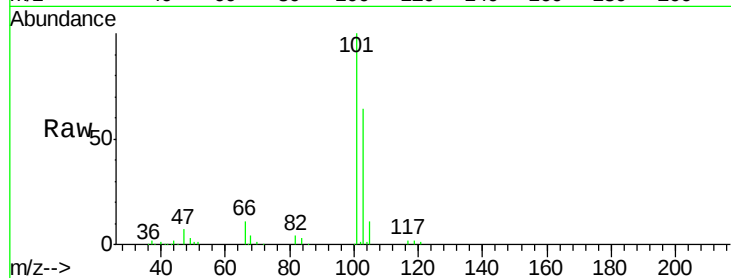
Trichlorofluoromethane
Concen: 21.429 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 101 Resp: 227368
Ion Ratio Lower Upper
101 100
103 63.9 51.6 77.4

Manual Integrations
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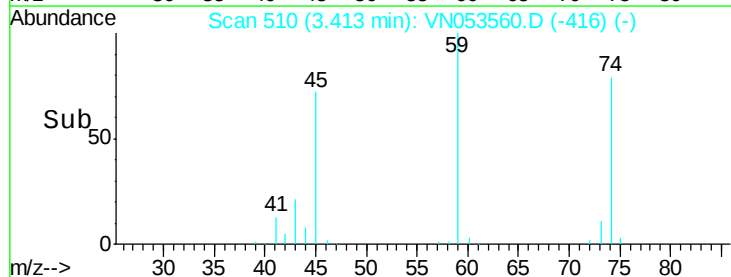
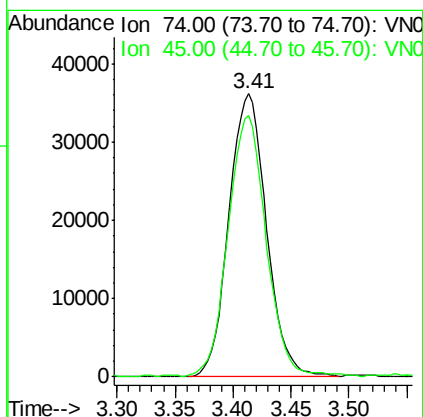
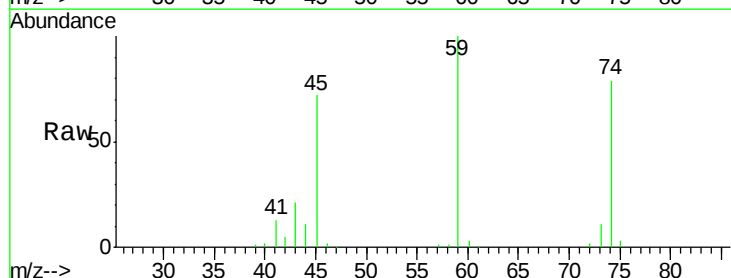
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#8

Diethyl Ether
Concen: 20.603 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 74 Resp: 81255
Ion Ratio Lower Upper
74 100
45 92.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.802 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

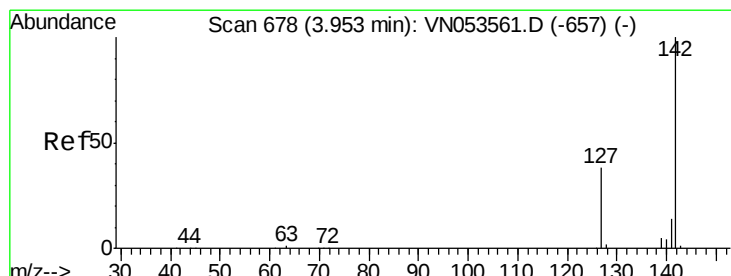
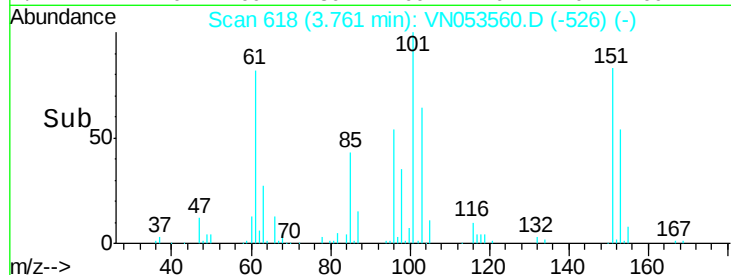
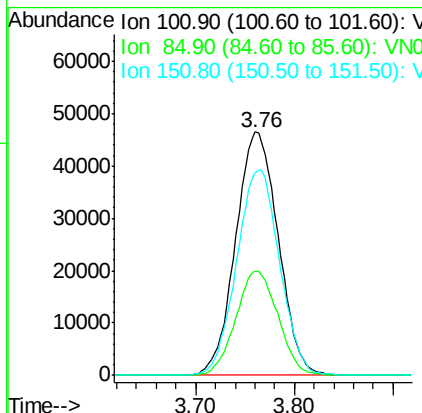
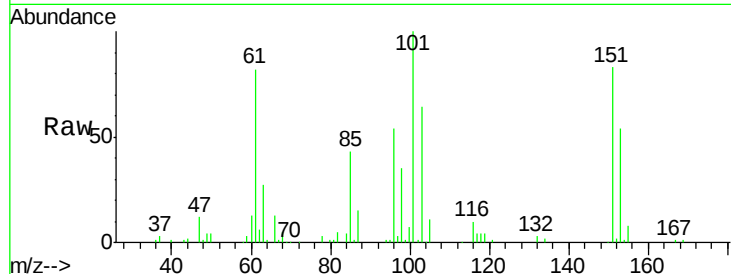
ClientSampled :

VSTDIC020

Tgt Ion:	101	Resp:	138797
Ion Ratio	Lower	Upper	
101	100		
85	42.5	32.8	49.2
151	85.4	66.9	100.3

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#10

Methyl Iodide

Concen: 20.905 ug/l

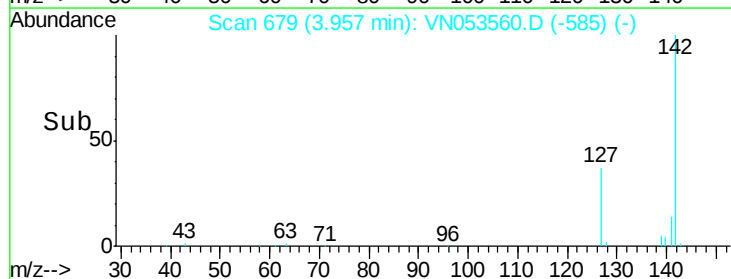
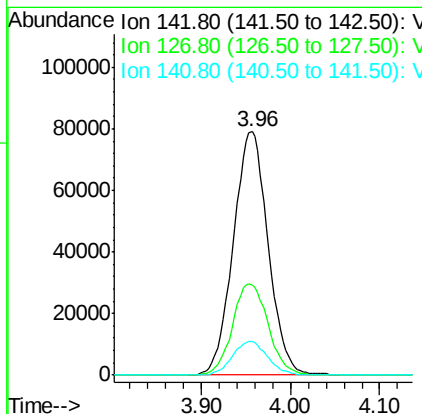
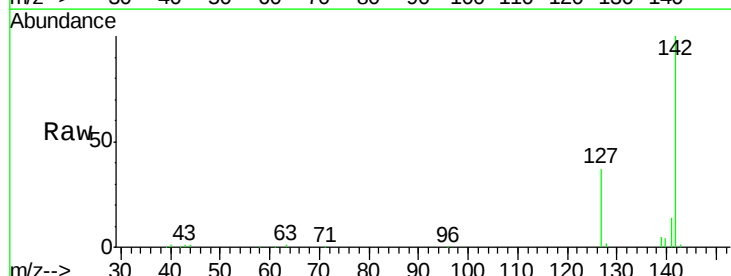
RT: 3.96 min Scan# 679

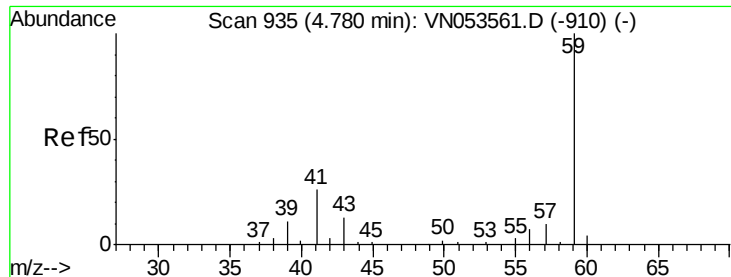
Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion:	142	Resp:	214673
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	13.9	11.1	16.7





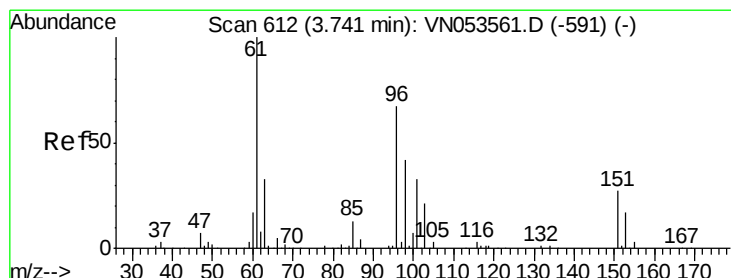
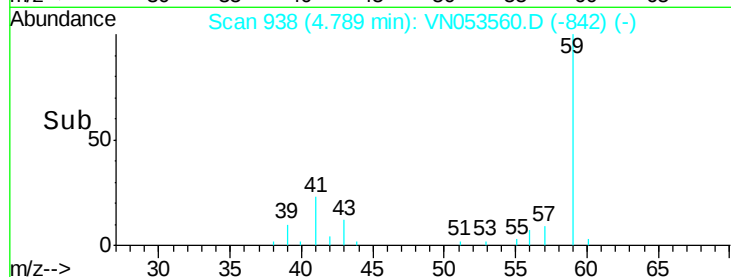
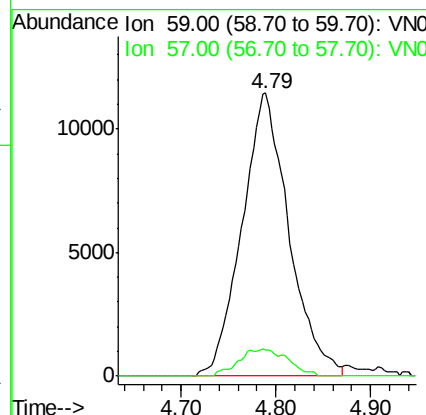
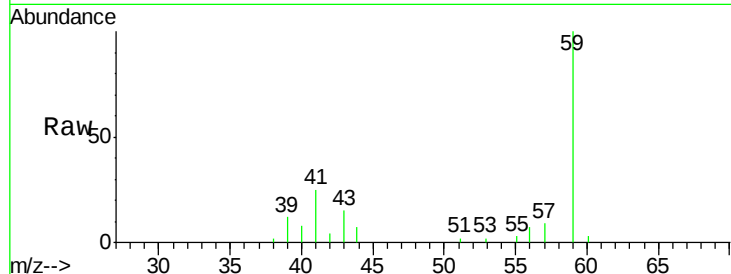
#11
Tert butyl alcohol
Concen: 107.238 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 59 Resp: 39459
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

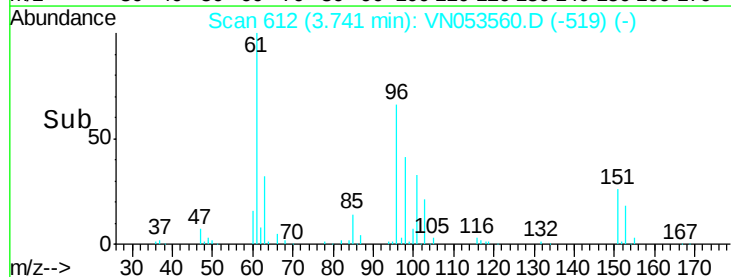
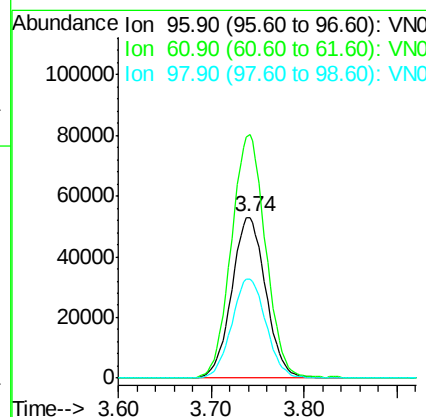
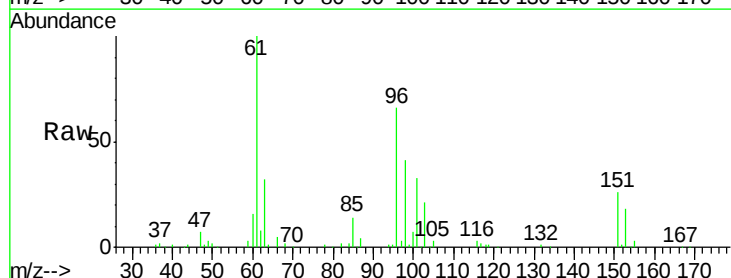
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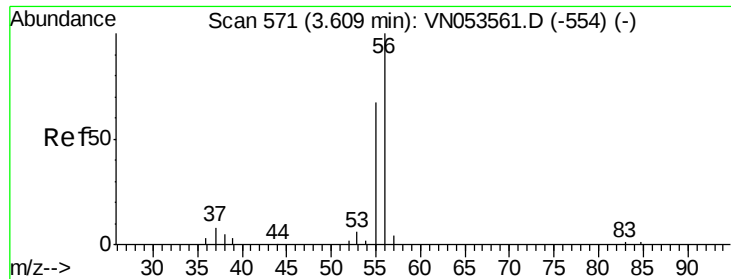
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.817 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 96 Resp: 134826
Ion Ratio Lower Upper
96 100
61 150.9 122.9 184.3
98 61.7 49.4 74.0





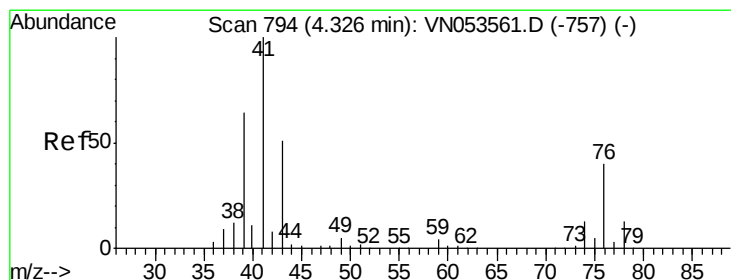
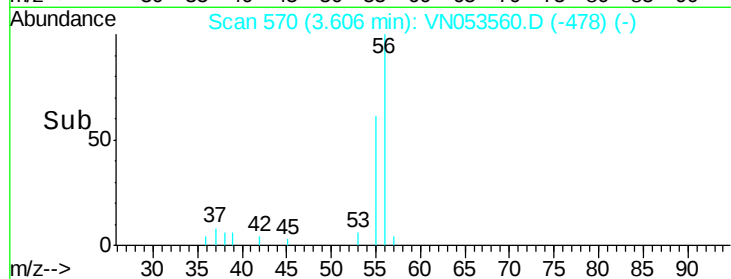
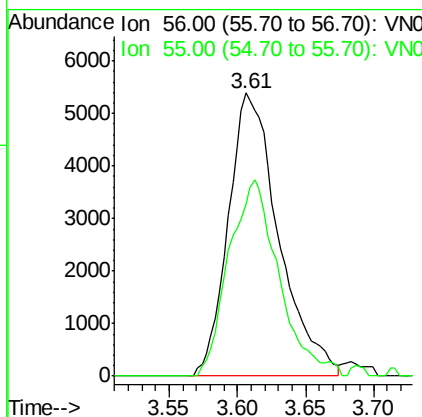
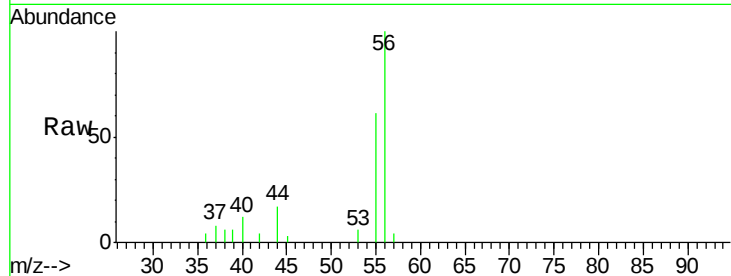
#13
Acrolein
Concen: 25.790 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 13833
Ion Ratio Lower Upper
56 100
55 68.7 57.4 86.0

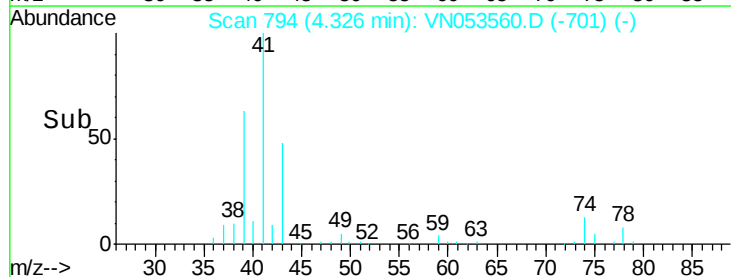
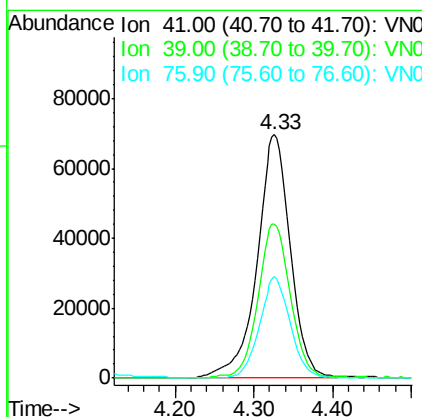
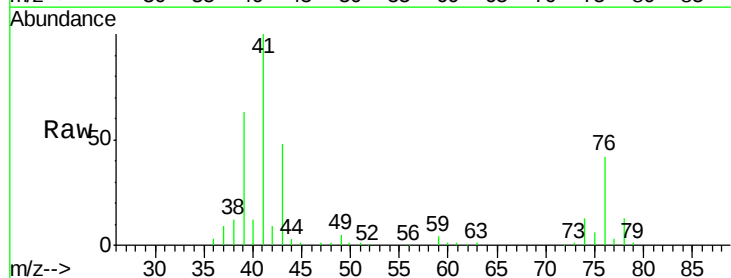
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#14
Allyl chloride
Concen: 19.885 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 41 Resp: 207848
Ion Ratio Lower Upper
41 100
39 62.2 48.9 73.3
76 38.4 29.4 44.2





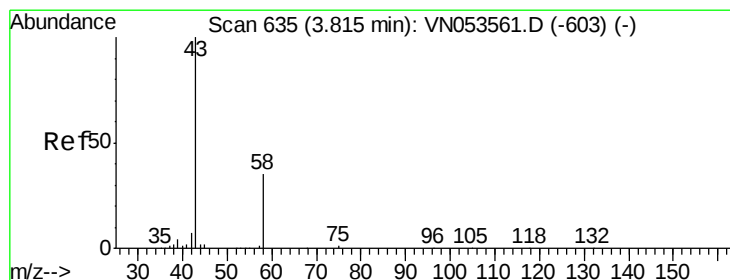
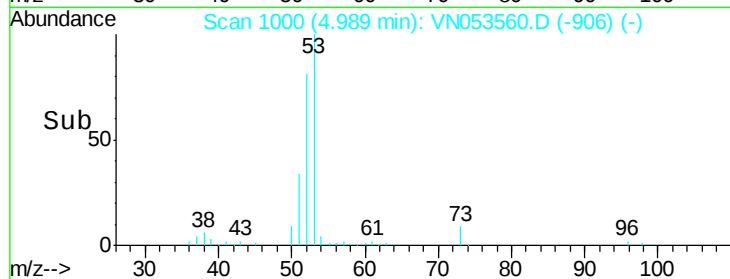
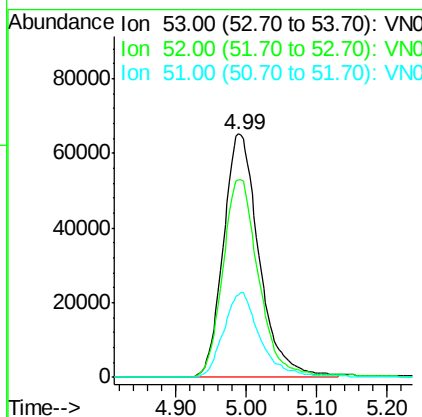
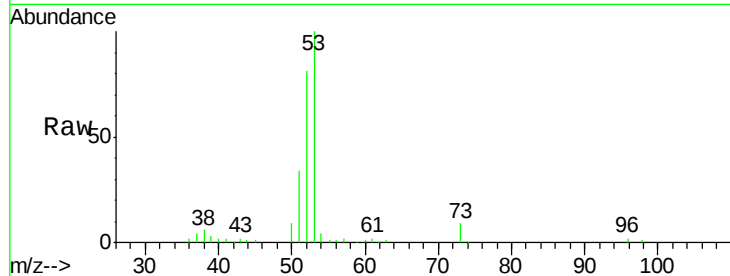
#15
 Acrylonitrile
 Concen: 100.454 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.0	99.0
51	35.2	28.3	42.5

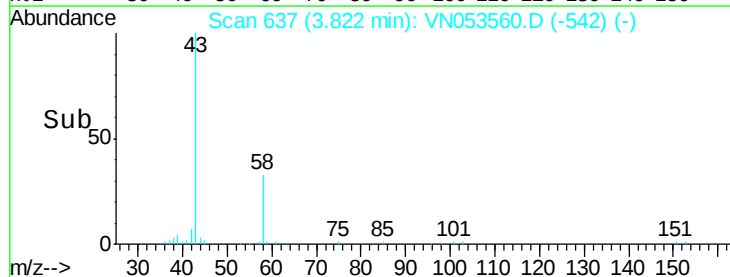
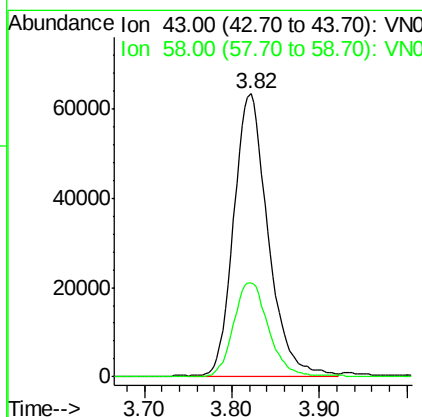
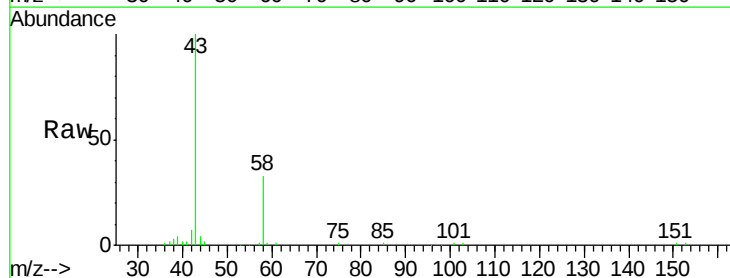
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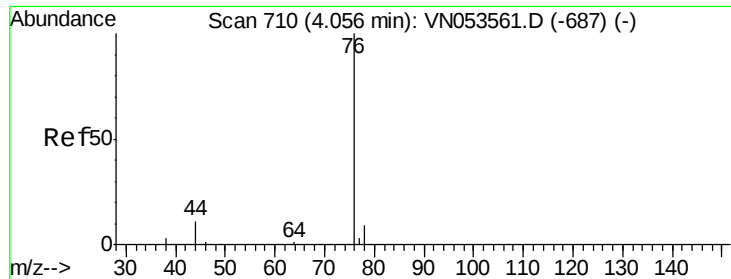
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#16
 Acetone
 Concen: 100.657 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.1	40.7





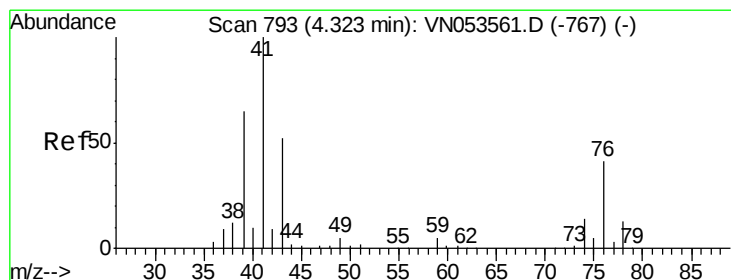
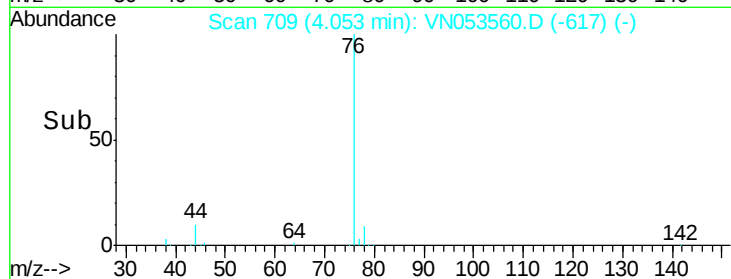
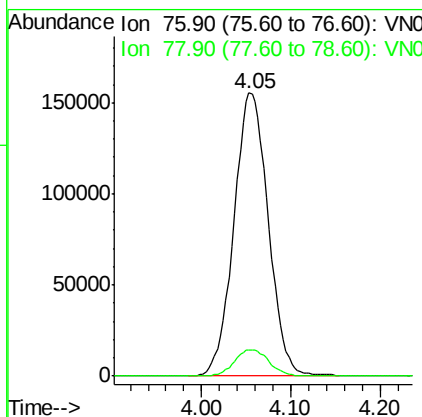
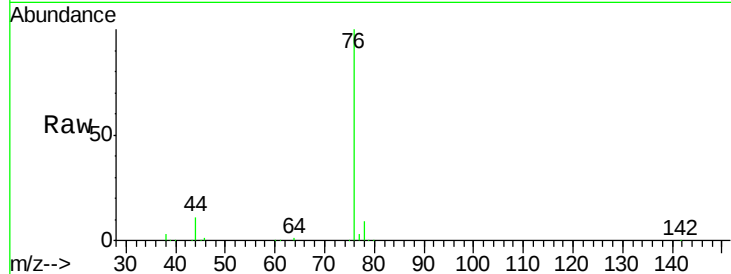
#17
Carbon Disulfide
Concen: 21.083 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 414699
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

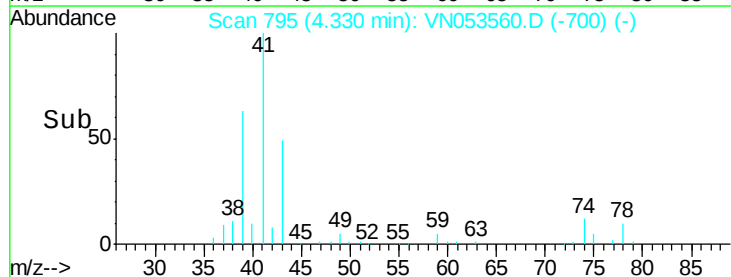
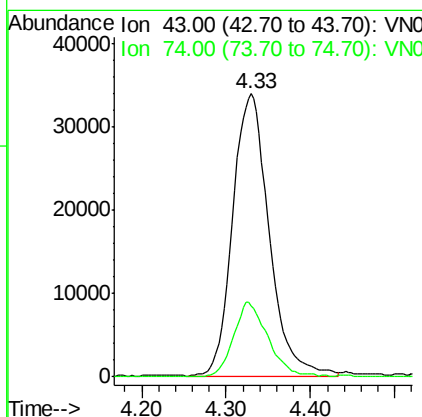
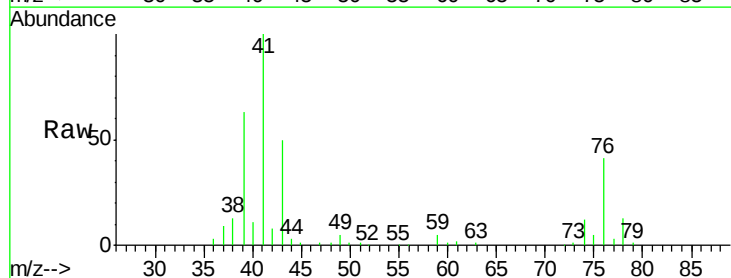
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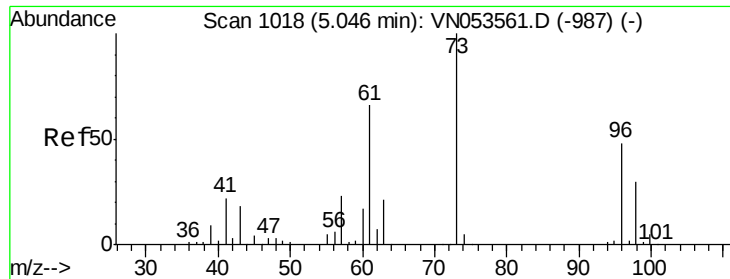
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#18
Methyl Acetate
Concen: 18.442 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 43 Resp: 103048
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2





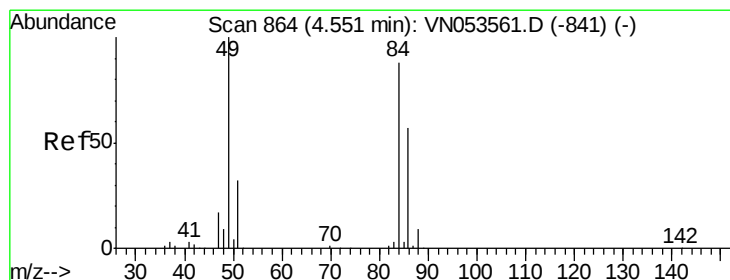
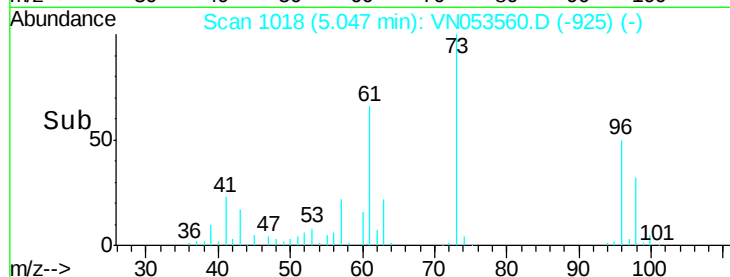
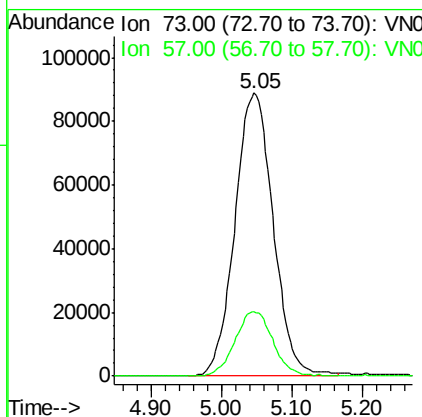
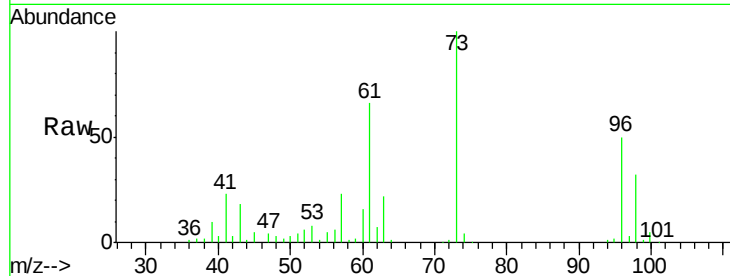
#19
Methyl tert-butyl Ether
Concen: 19.714 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 73 Resp: 336730
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

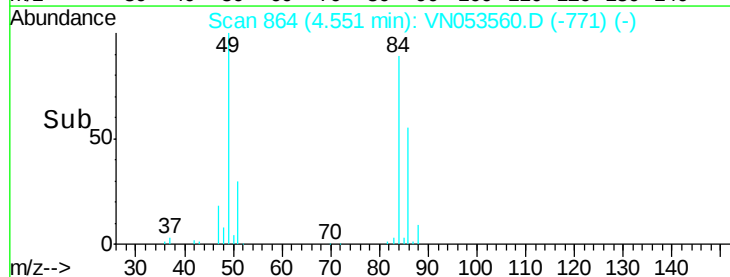
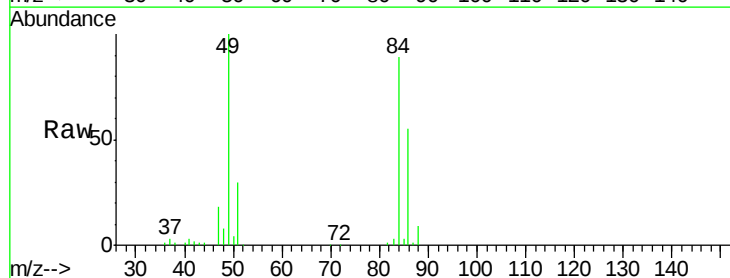
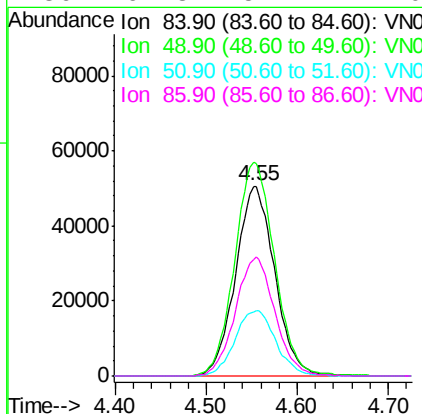
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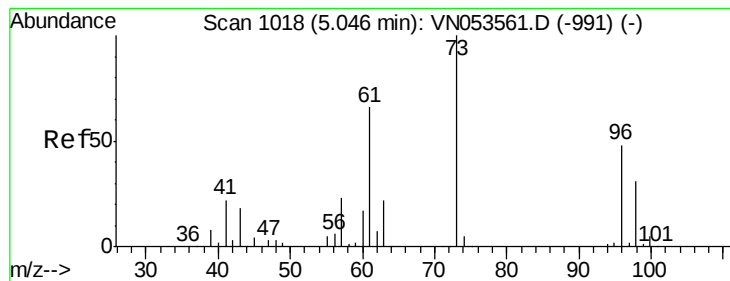
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#20
Methylene Chloride
Concen: 19.804 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 84 Resp: 151107
Ion Ratio Lower Upper
84 100
49 112.6 94.3 141.5
51 33.7 29.4 44.2
86 61.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.926 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 144520

Ion Ratio Lower Upper

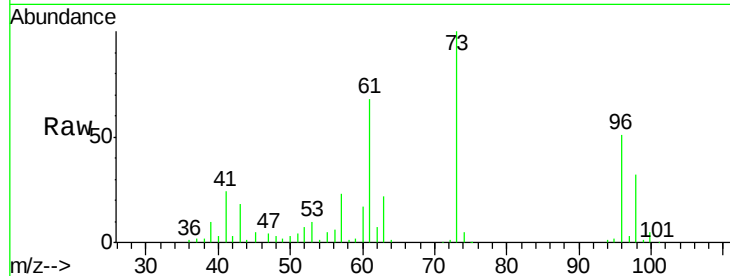
96 100

61 133.5 110.1 165.1

98 63.0 50.0 75.0

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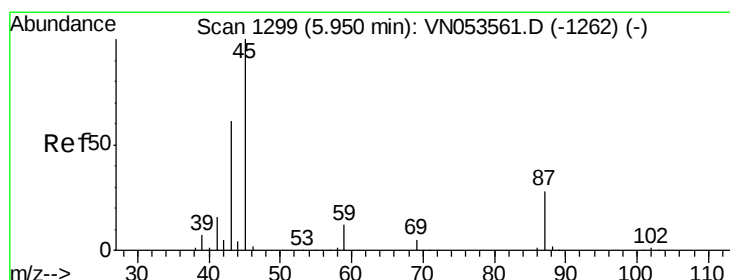
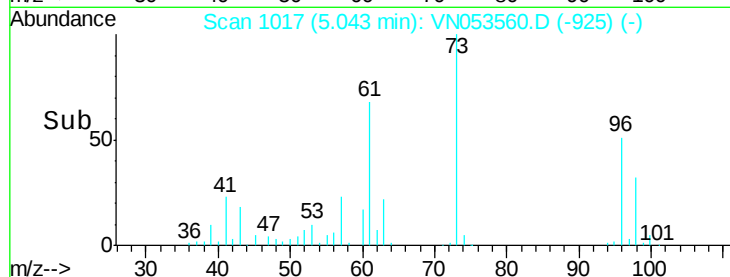
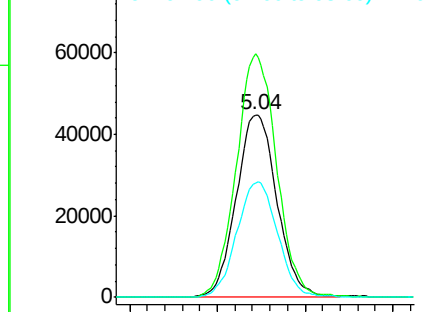


Abundance

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



#22

Diisopropyl ether

Concen: 18.313 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion: 45 Resp: 392928

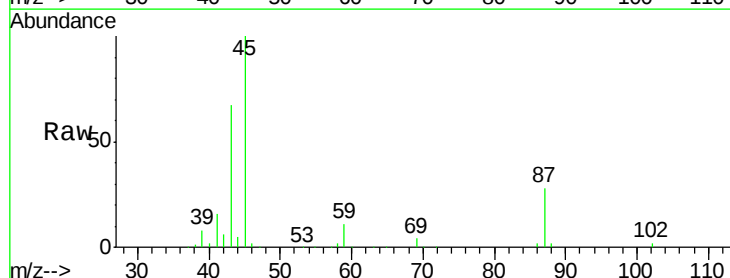
Ion Ratio Lower Upper

45 100

43 63.6 44.2 66.4

87 27.6 22.7 34.1

59 11.2 9.4 14.2



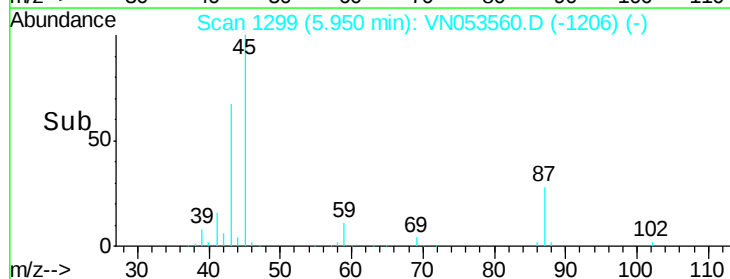
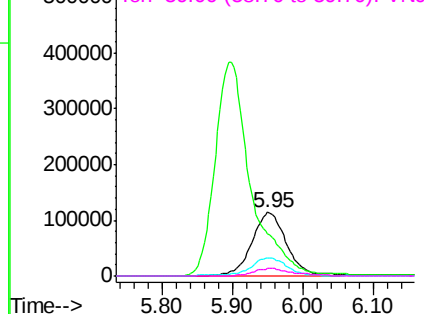
Abundance

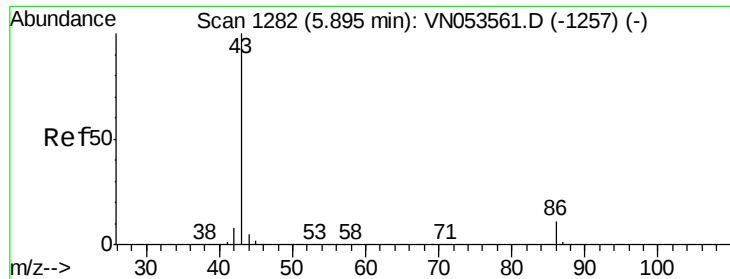
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





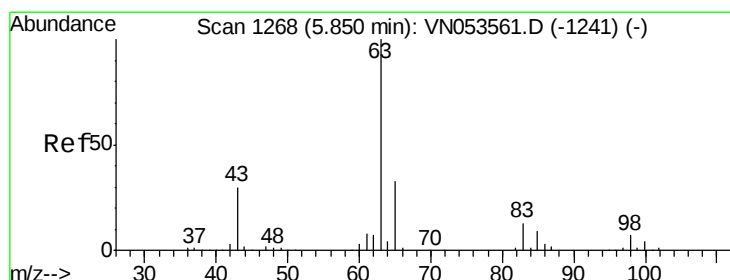
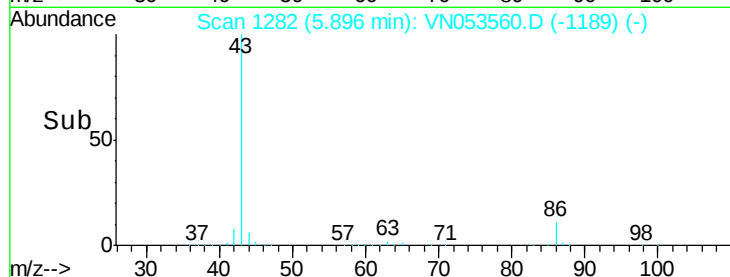
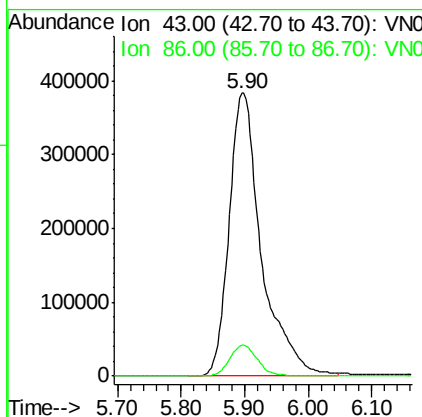
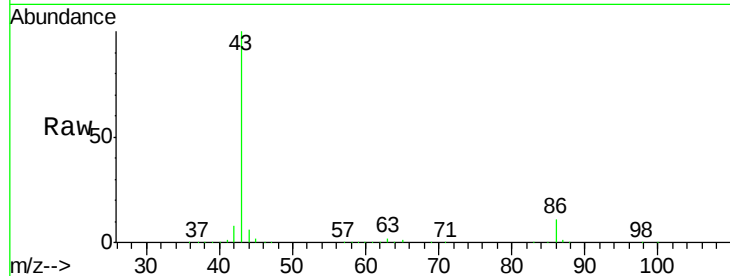
#23
 Vinyl Acetate
 Concen: 100.785 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion: 43 Resp: 1356064
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

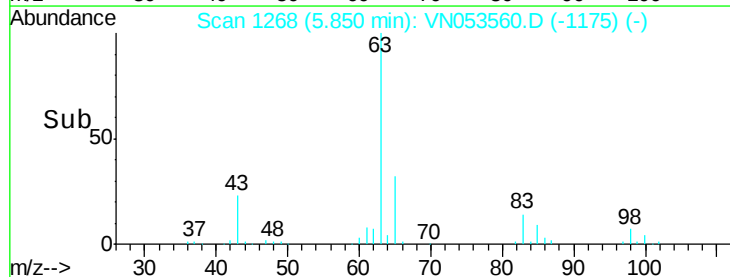
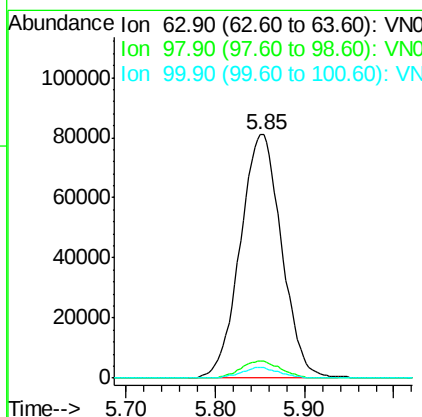
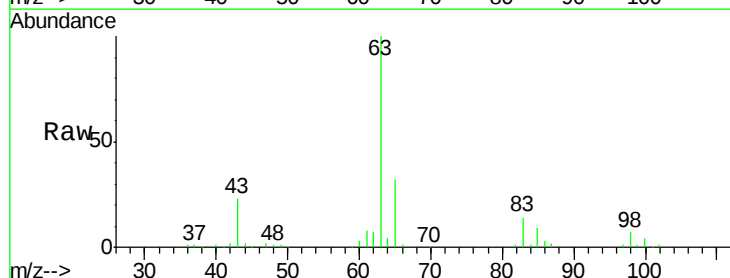
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#24
 1,1-Dichloroethane
 Concen: 20.259 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion: 63 Resp: 261054
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 98.463 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 43 Resp: 254974

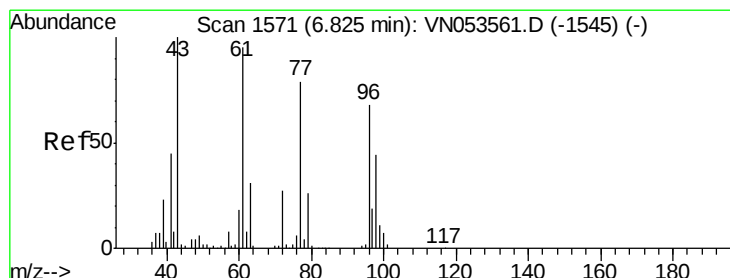
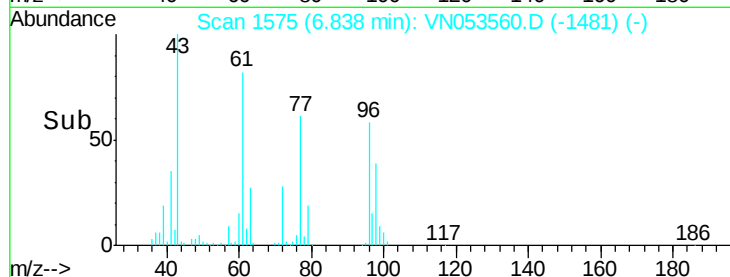
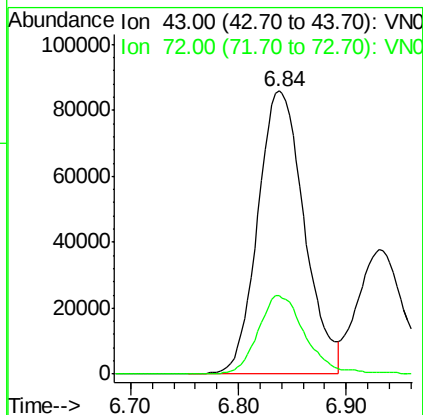
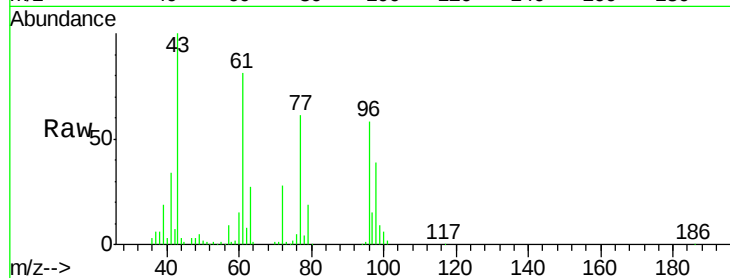
Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0

Manual Integrations
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2/1/2019 9:18:18 AM



#26

2,2-Dichloropropane

Concen: 20.011 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053560.D

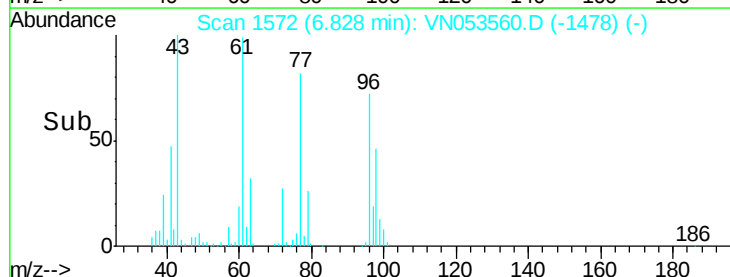
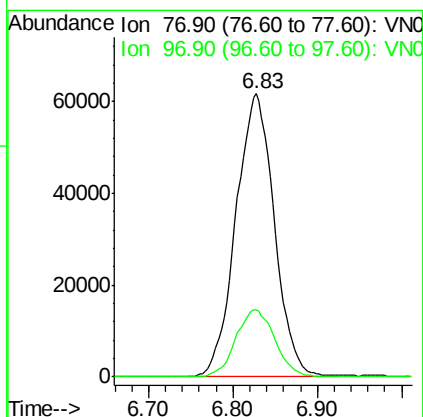
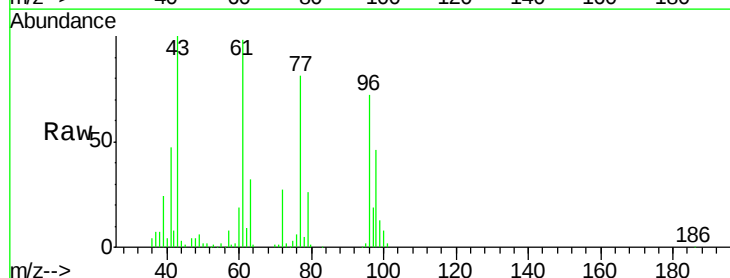
Acq: 30 Jan 2019 9:46

Tgt Ion: 77 Resp: 195512

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.319 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

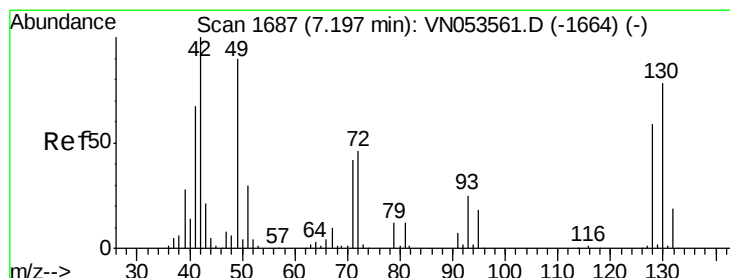
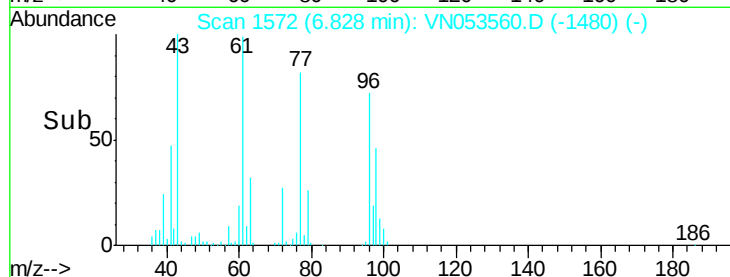
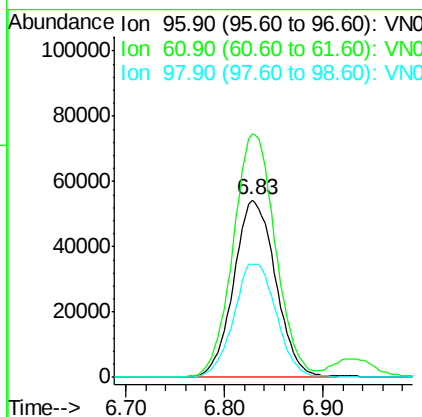
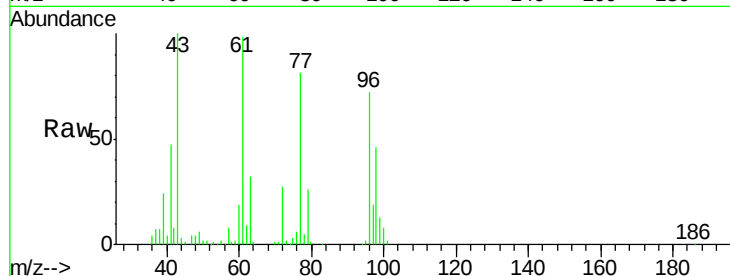
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	160203
Ion Ratio	Lower	Upper	
96	100		
61	138.6	0.0	283.8
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 20.350 ug/l

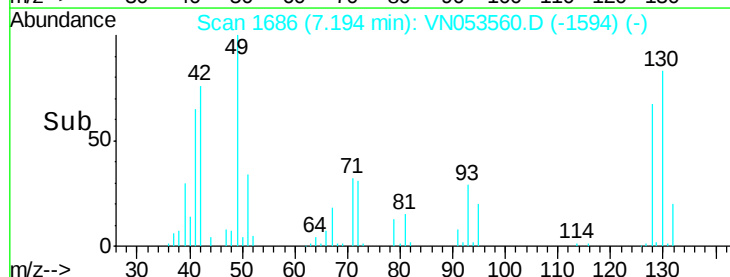
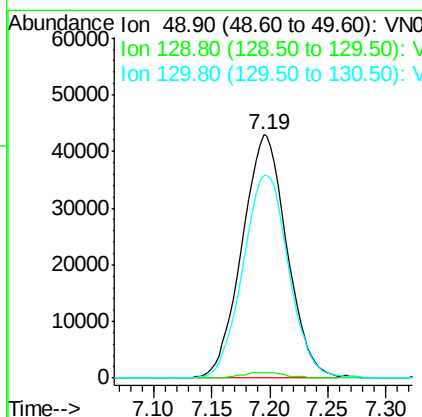
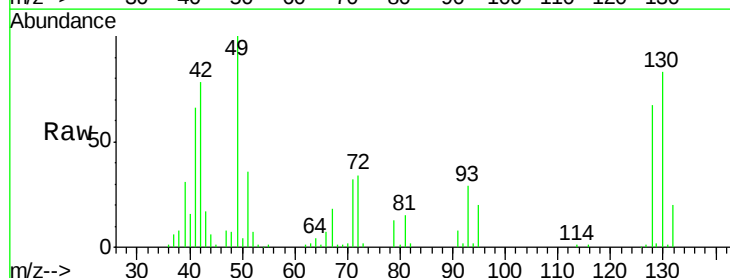
RT: 7.19 min Scan# 1686

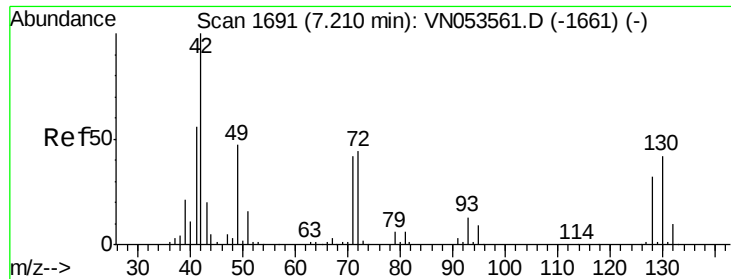
Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion:	49	Resp:	115446
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	85.3	66.3	99.5





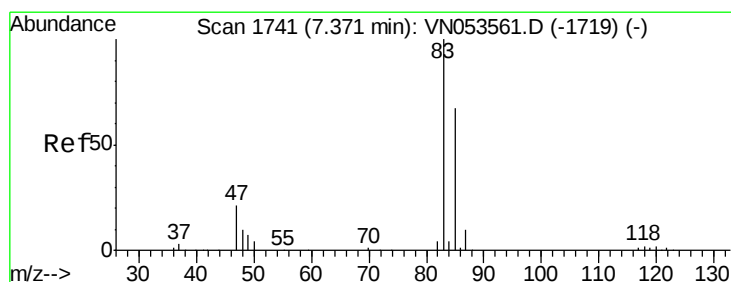
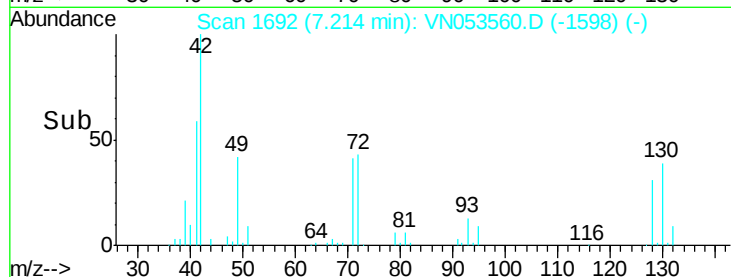
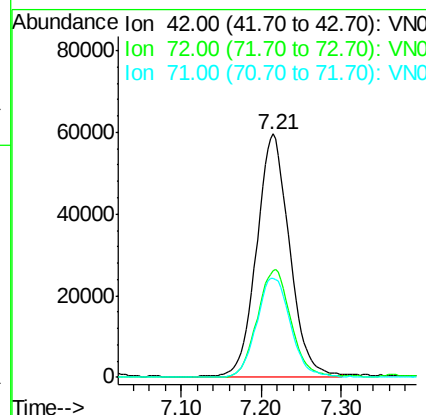
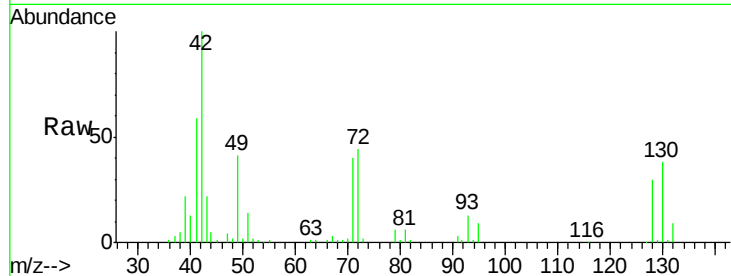
#29
Tetrahydrofuran
Concen: 99.237 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.2	52.8
71	42.3	33.0	49.4

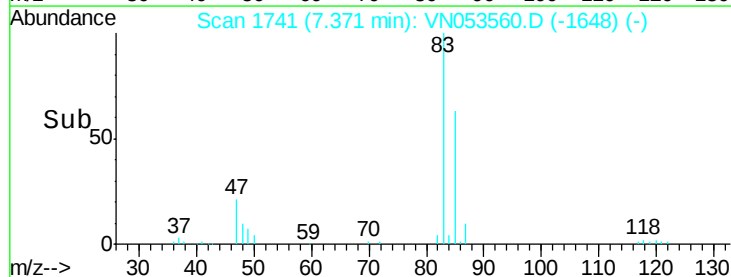
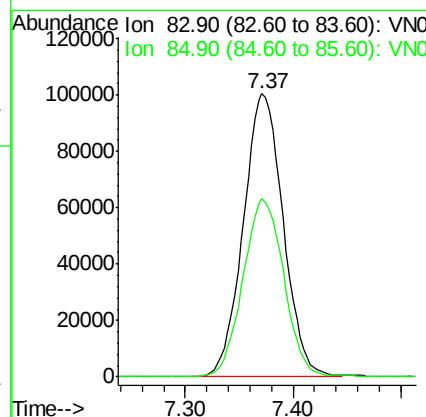
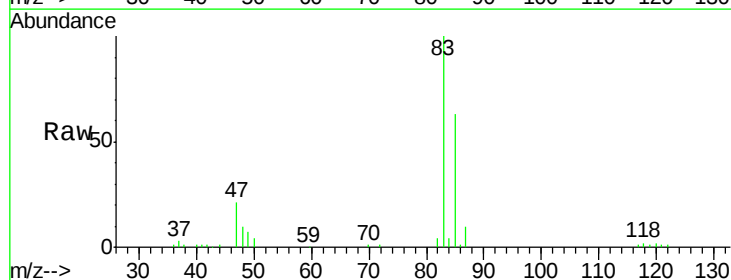
Manual Integrations
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2/1/2019 9:18:18 AM



#30
Chloroform
Concen: 20.529 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2





#31

Cyclohexane

Concen: 17.108 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

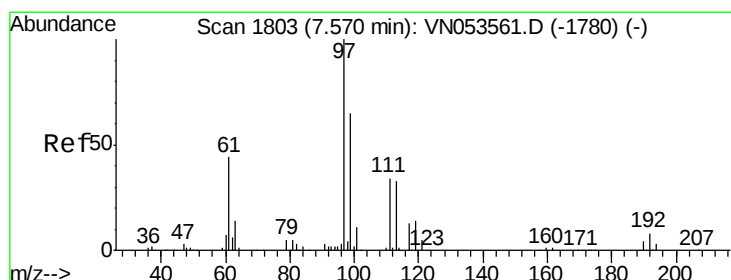
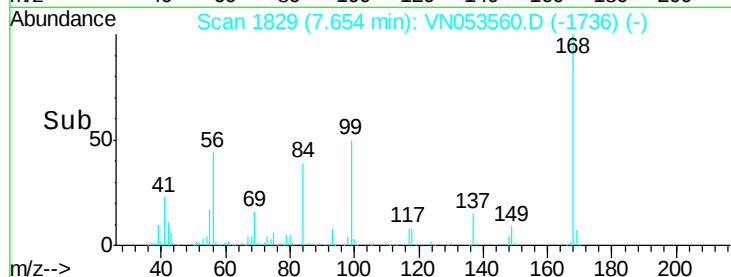
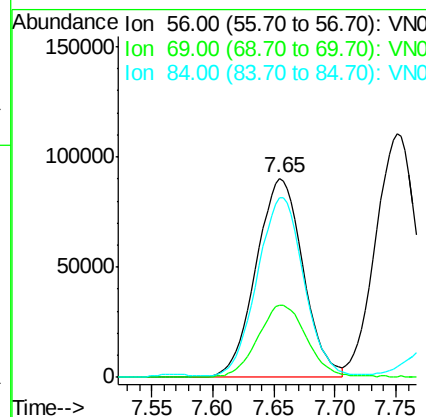
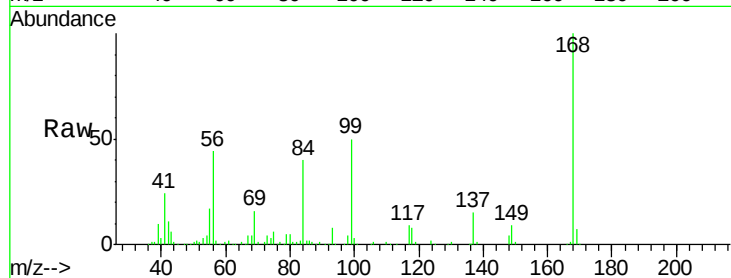
ClientSampled :

VSTDIC020

Tgt Ion:	56	Resp:	241991
Ion Ratio	Lower	Upper	
56	100		
69	36.5	26.4	39.6
84	89.6	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.882 ug/l

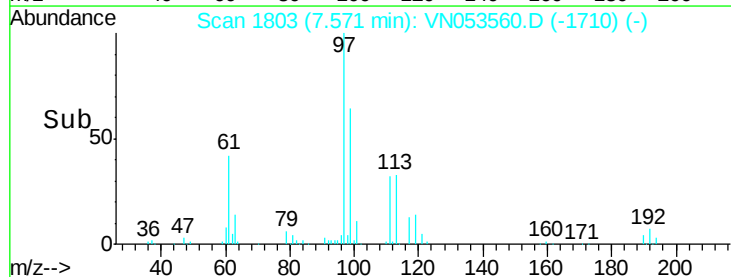
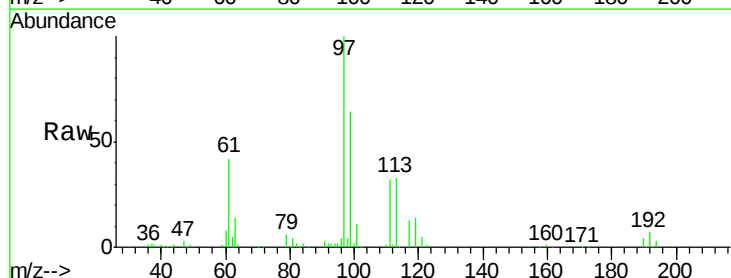
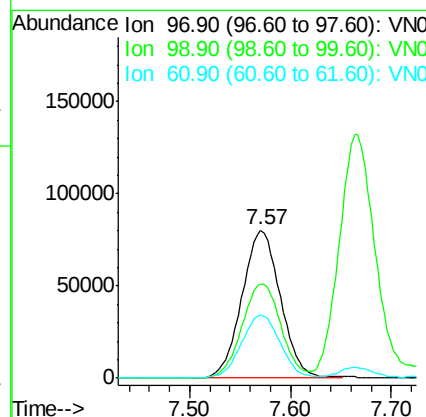
RT: 7.57 min Scan# 1803

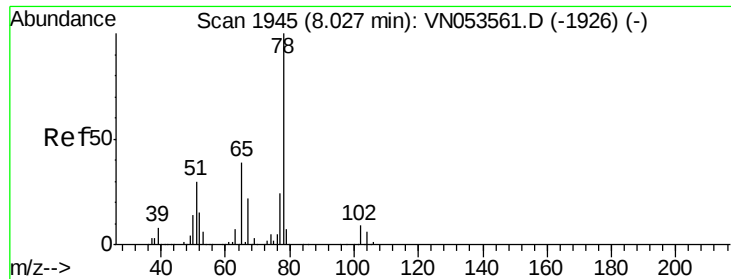
Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion:	97	Resp:	212379
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.0	78.0
61	42.9	34.4	51.6





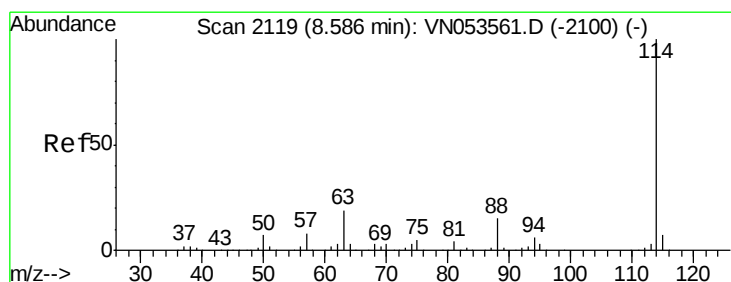
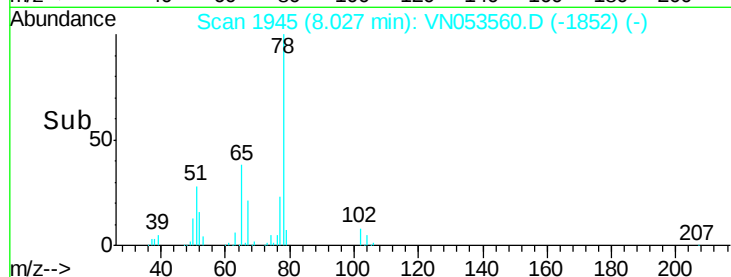
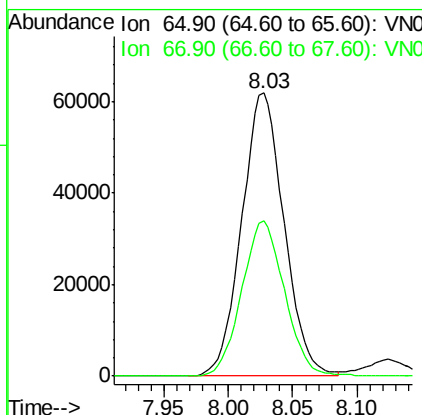
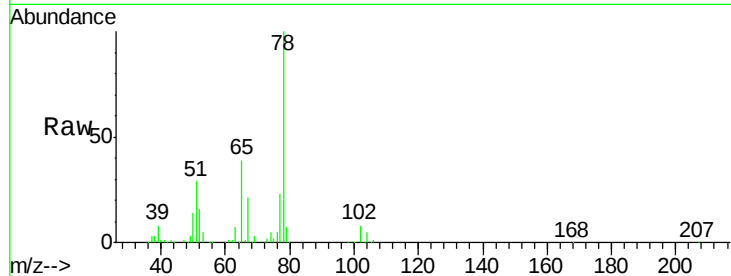
#33
 1,2-Dichloroethane-d4
 Concen: 19.839 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 65 Resp: 141746
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2

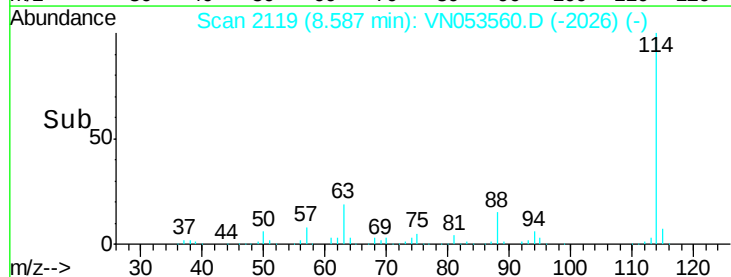
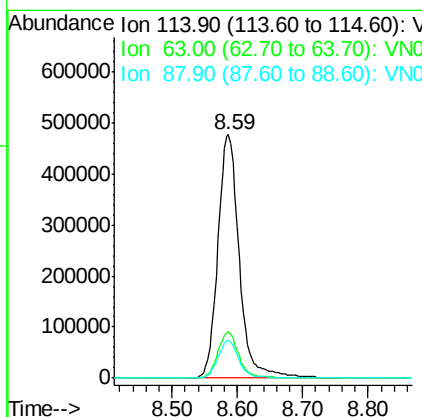
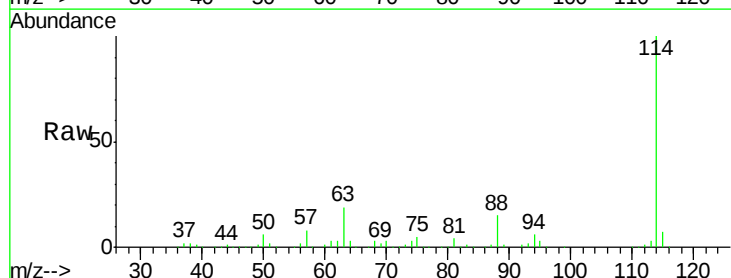
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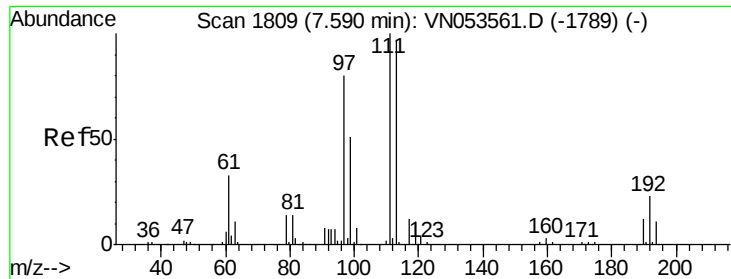
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion: 114 Resp: 1086350
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.5 0.0 30.4





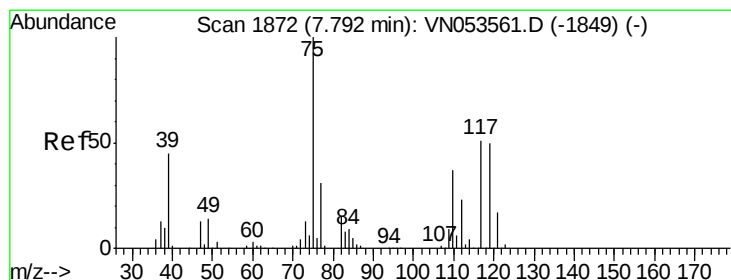
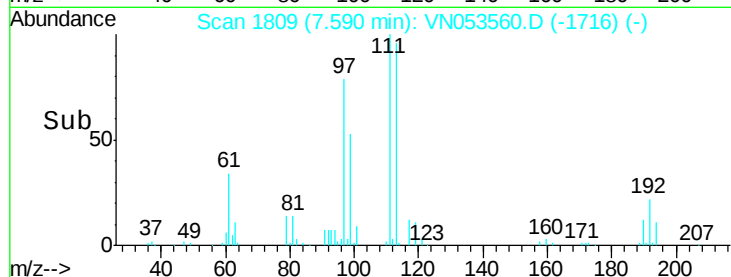
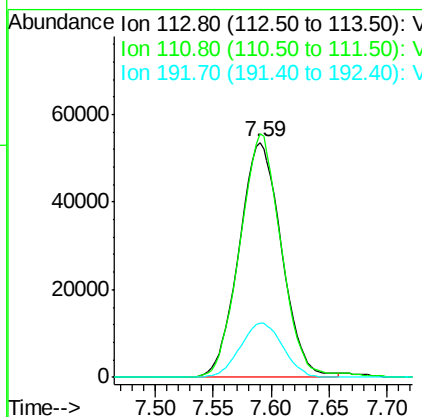
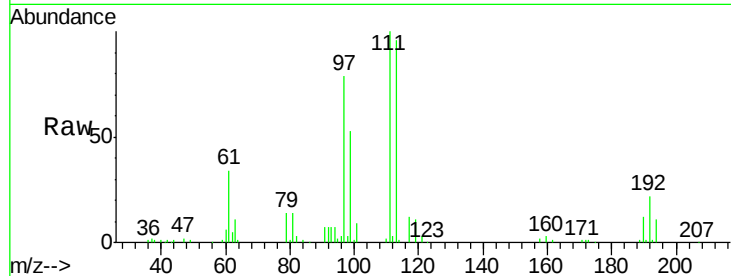
#35
 Dibromofluoromethane
 Concen: 21.685 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	136740		
111	99.8	81.1	121.7	
192	23.2	18.2	27.2	

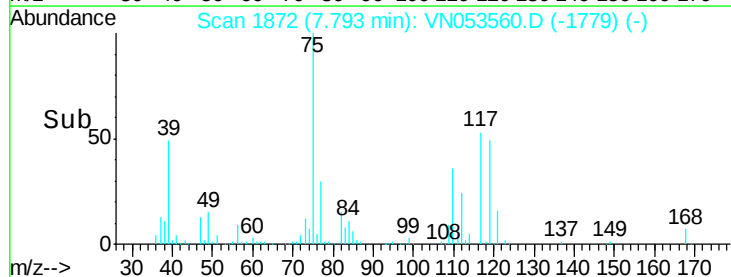
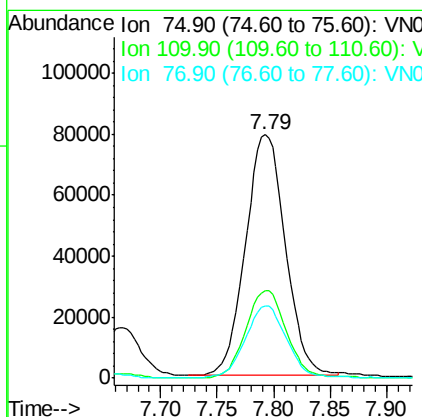
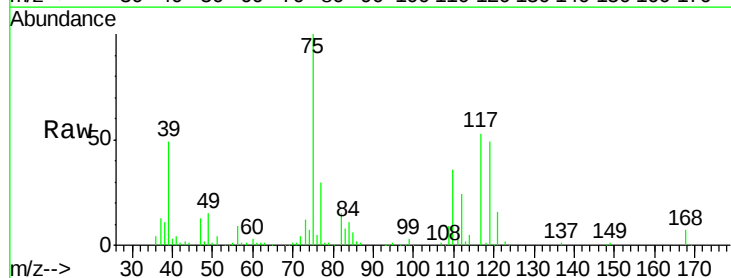
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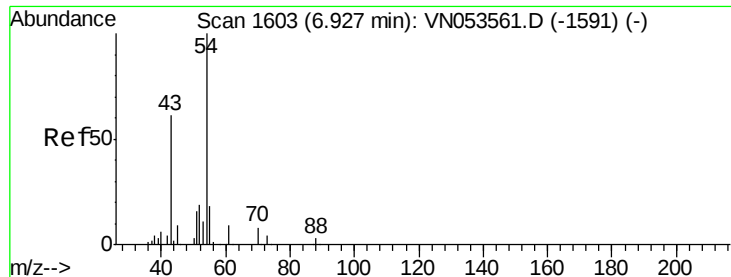
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#36
 1,1-Dichloropropene
 Concen: 19.762 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194600		
110	37.1	18.1	54.3	
77	31.2	25.1	37.7	





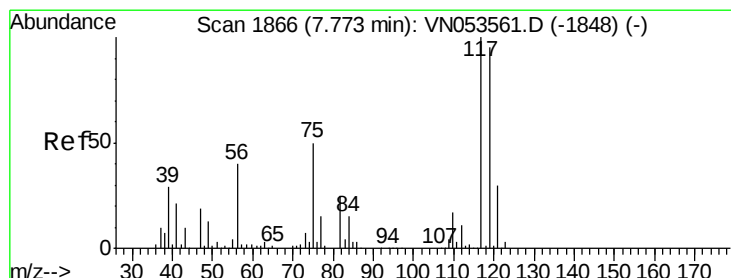
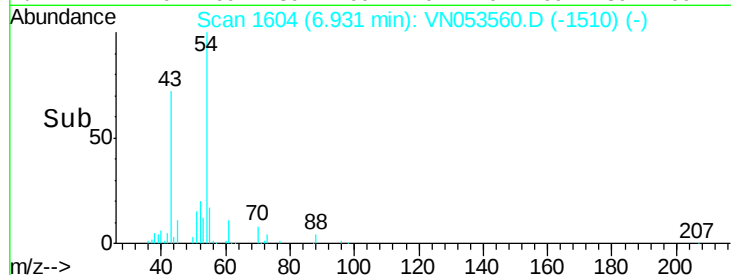
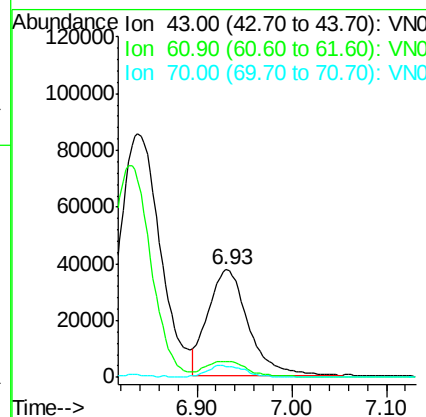
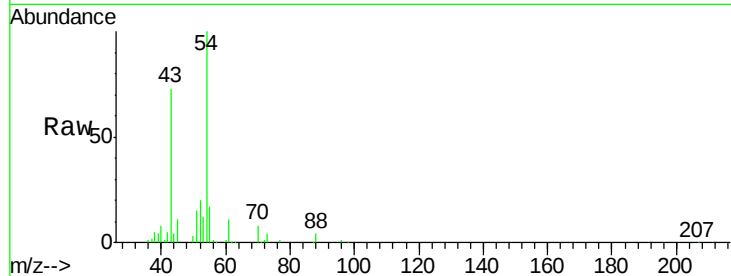
#37
Ethyl Acetate
 Concen: 19.671 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.6	8.6	12.8

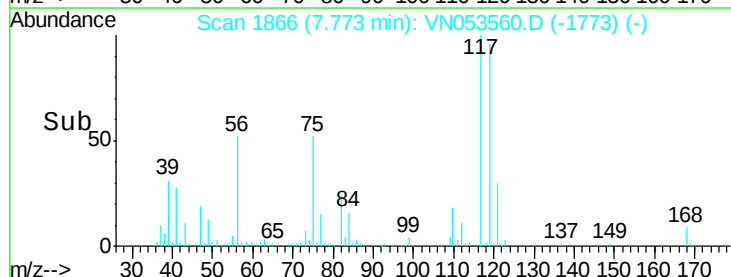
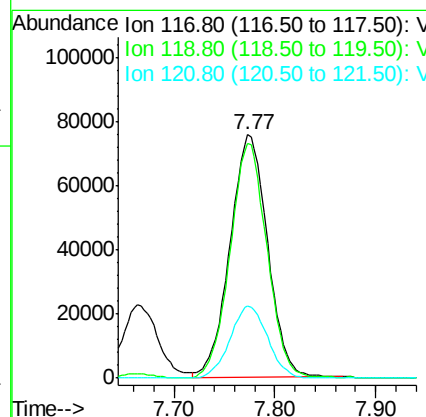
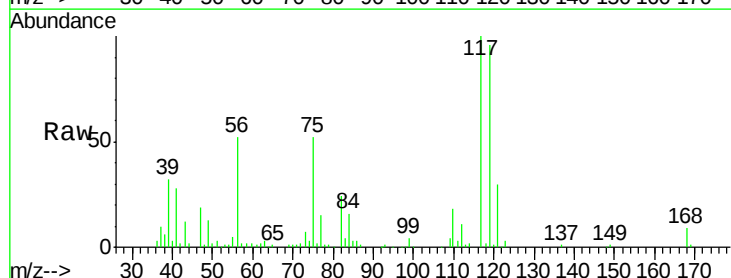
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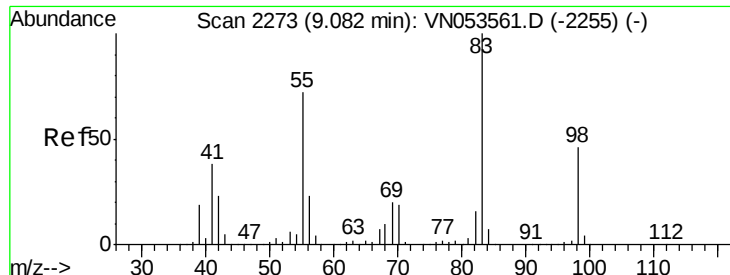
MMDadoda
 2/1/2019 9:18:18 AM



#38
Carbon Tetrachloride
 Concen: 20.826 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	30.0	24.6	37.0





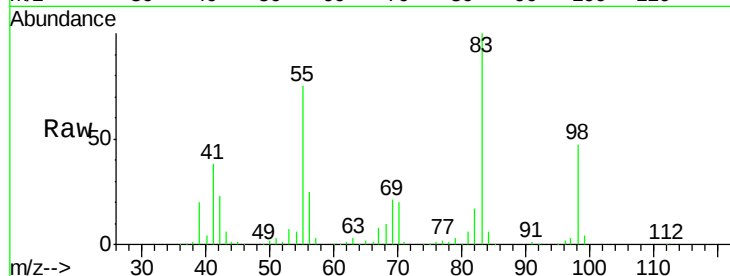
#39
Methylcyclohexane
Concen: 18.426 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	223636		
55	74.9	60.1	90.1	
98	46.7	36.6	55.0	

Manual Integrations
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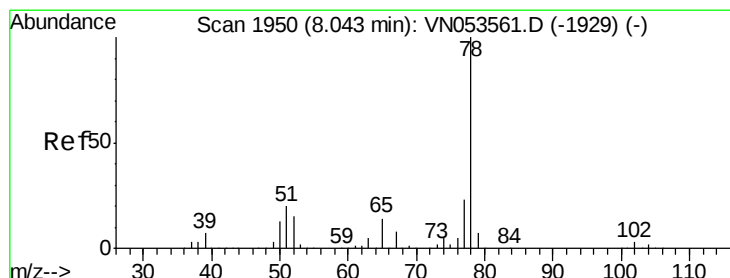
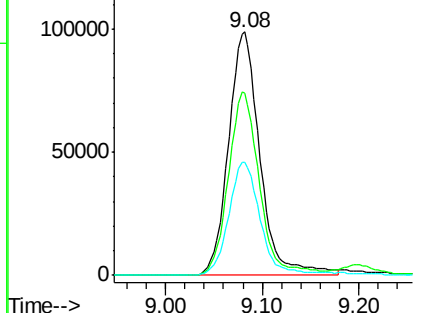
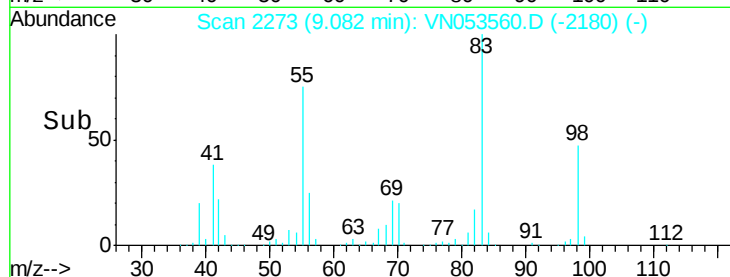
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VN053560.D (-2180) (-)

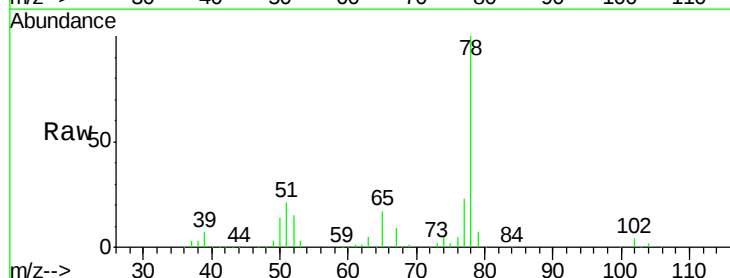
Ion 55.00 (54.70 to 55.70): VN053560.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN053560.D (-2180) (-)



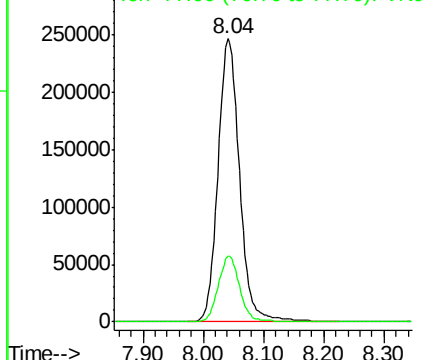
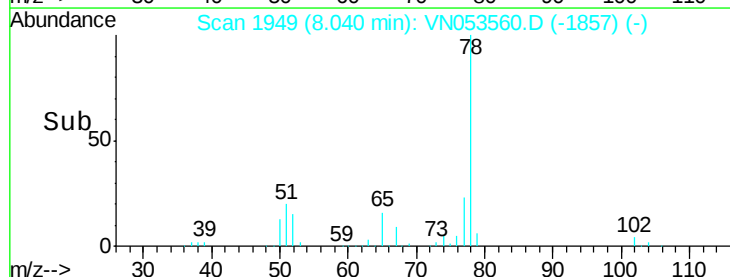
#40
Benzene
Concen: 20.226 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

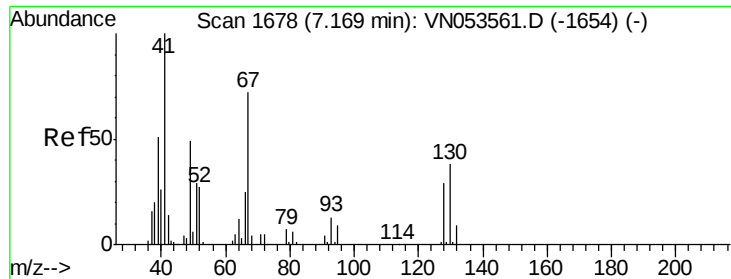
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	606081		
77	23.3	18.8	28.2	



Abundance Ion 78.00 (77.70 to 78.70): VN053560.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN053560.D (-1857) (-)





#41

Methacrylonitrile

Concen: 18.477 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 55355

Ion Ratio Lower Upper

41 100

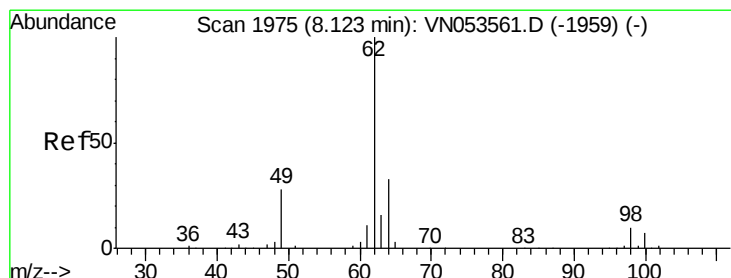
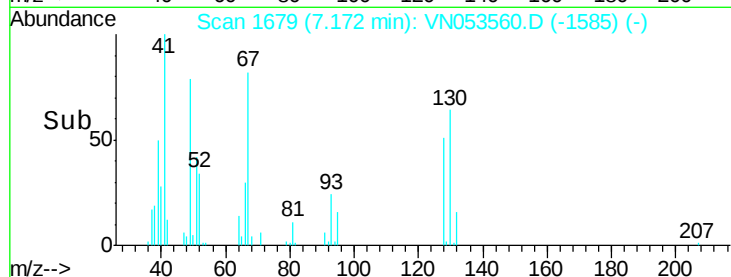
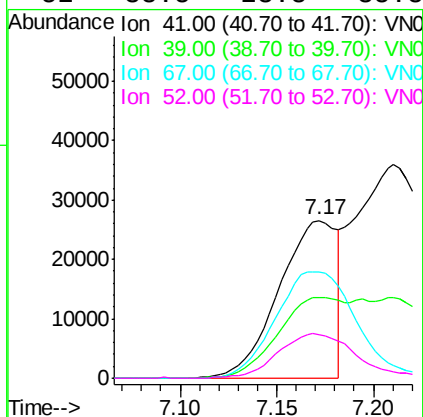
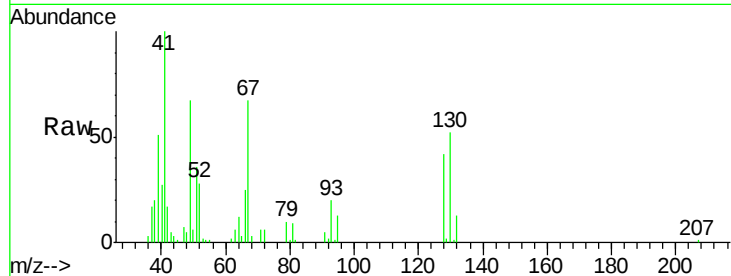
39 61.3 46.8 70.2

67 95.6 63.0 94.6#

52 38.5 23.8 35.8#

Manual Integrations
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2/1/2019 9:18:18 AM



#42

1,2-Dichloroethane

Concen: 20.439 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053560.D

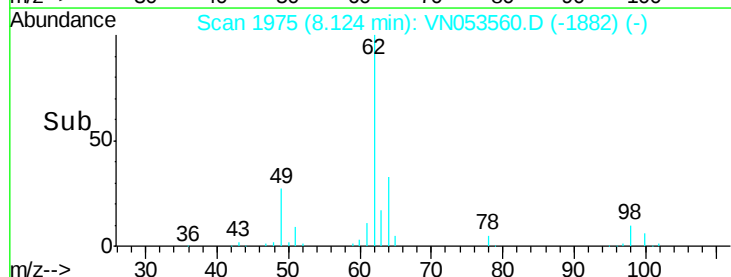
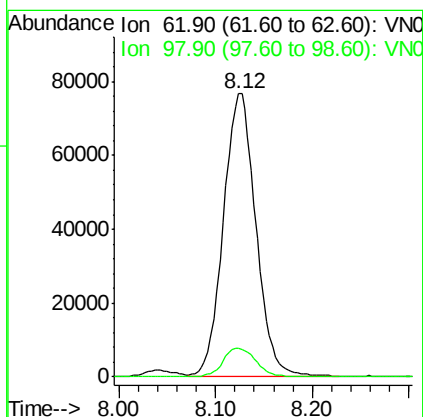
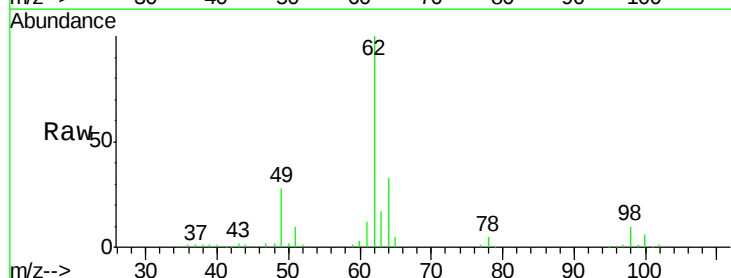
Acq: 30 Jan 2019 9:46

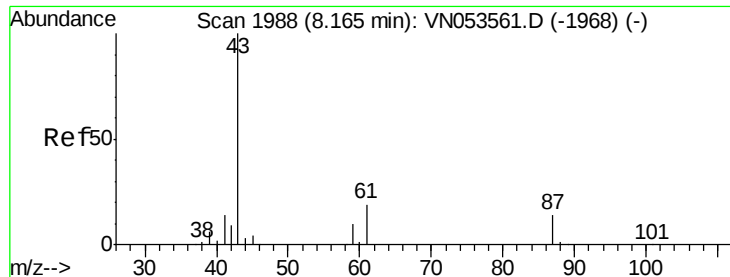
Tgt Ion: 62 Resp: 178673

Ion Ratio Lower Upper

62 100

98 10.2 0.0 19.6





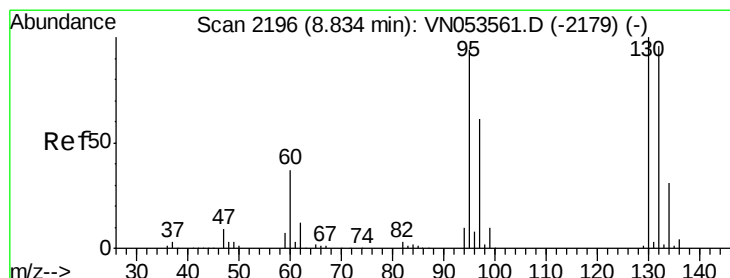
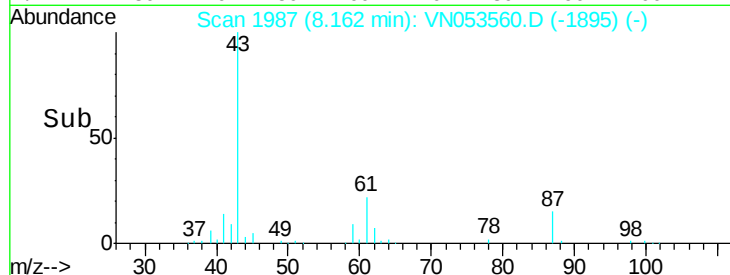
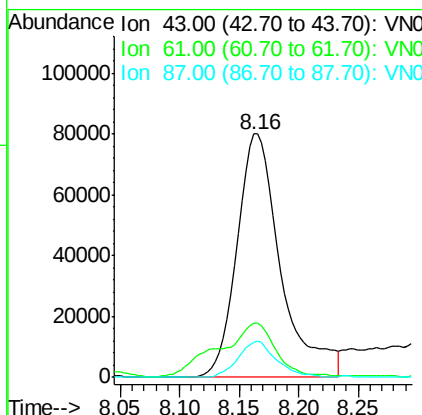
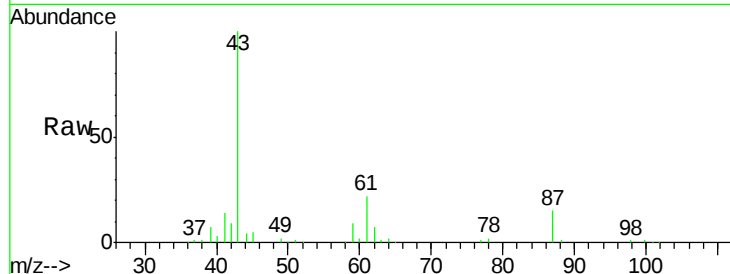
#43
Isopropyl Acetate
Concen: 20.014 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.0	23.9	35.9#
87	13.1	11.0	16.6

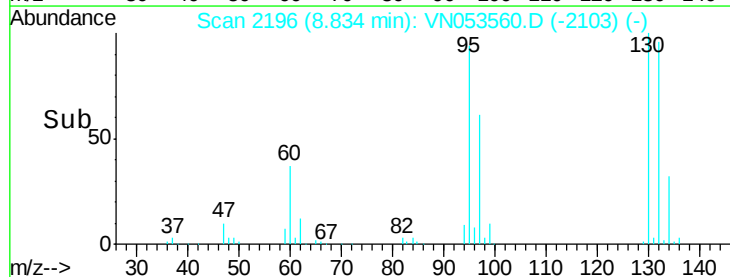
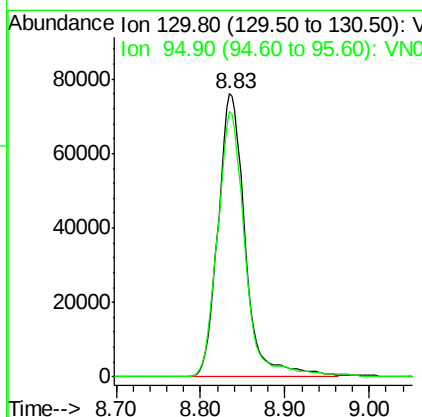
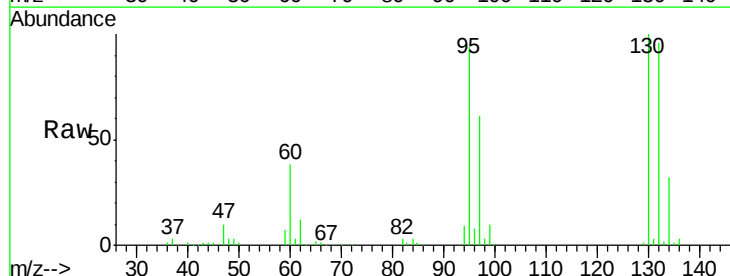
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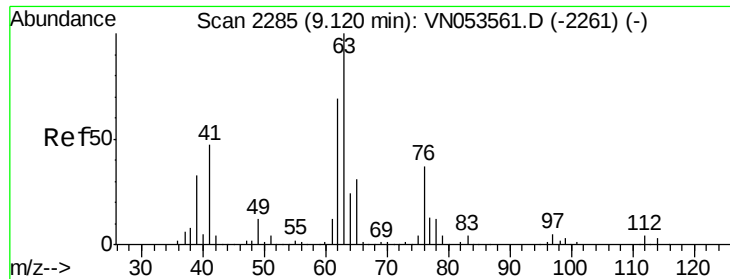
MMDadoda
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#44
Trichloroethene
Concen: 20.502 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	191.4





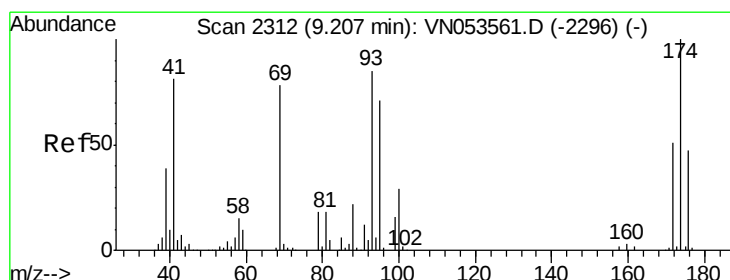
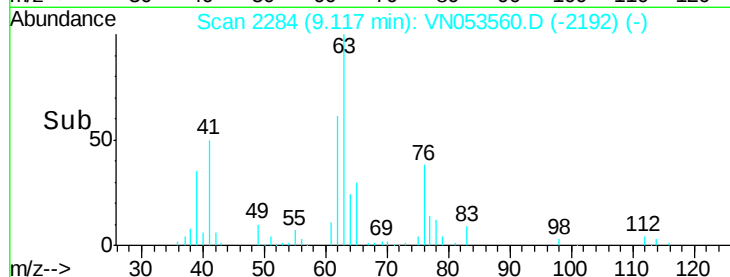
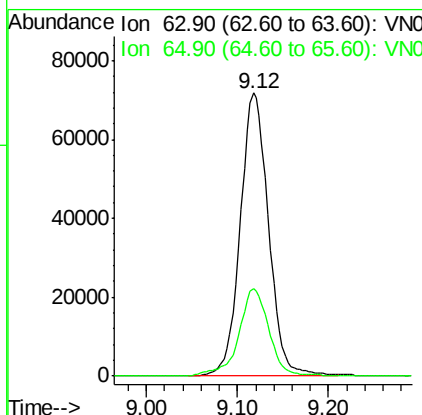
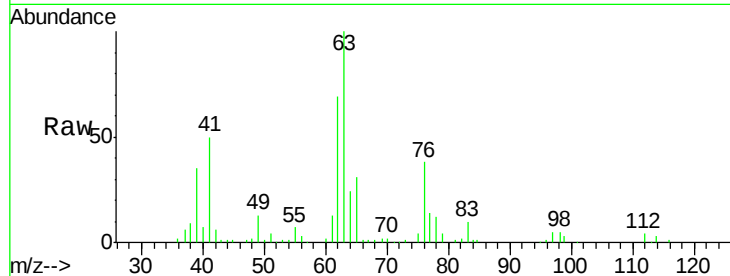
#45
 1,2-Dichloropropane
 Concen: 19.622 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion: 63 Resp: 155315
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

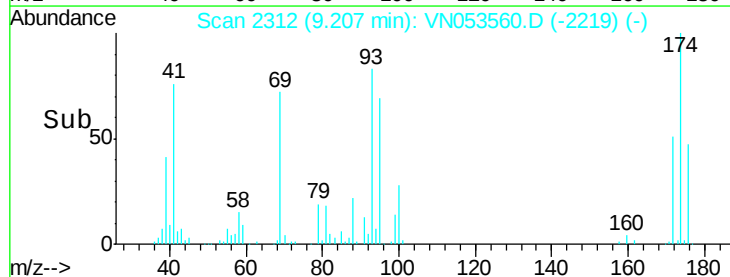
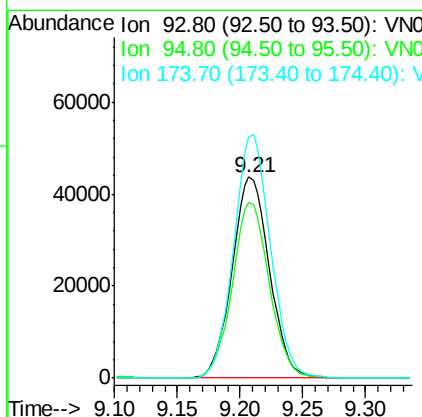
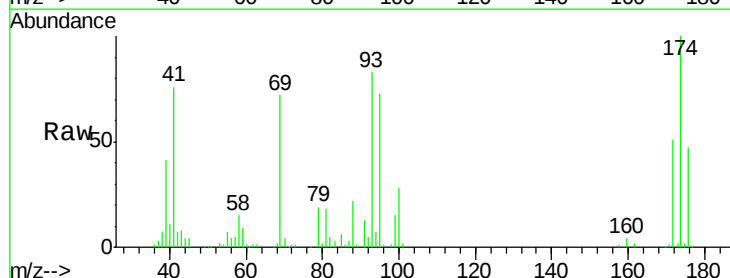
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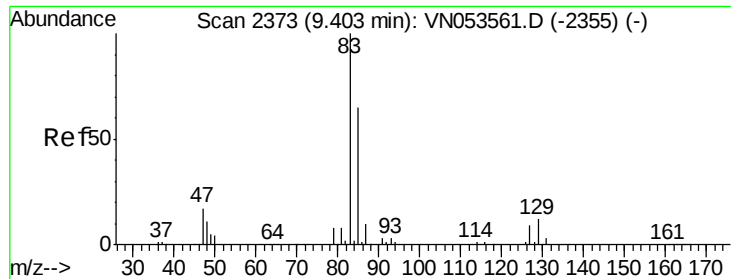
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 2/1/2019 9:18:18 AM



#46
 Dibromomethane
 Concen: 19.775 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion: 93 Resp: 90340
 Ion Ratio Lower Upper
 93 100
 95 86.8 67.3 100.9
 174 119.7 91.0 136.4





#47

Bromodichloromethane

Concen: 19.989 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

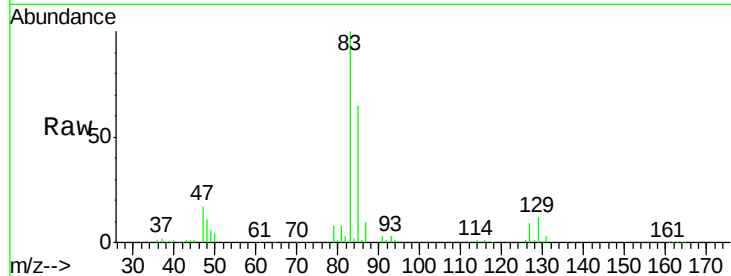
ClientSampleId :

VSTDIC020

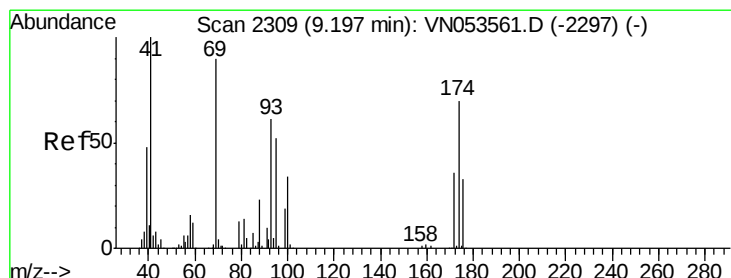
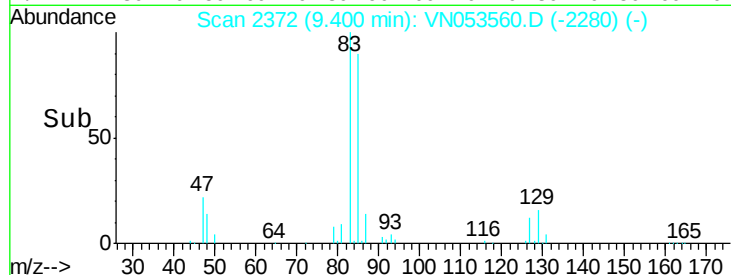
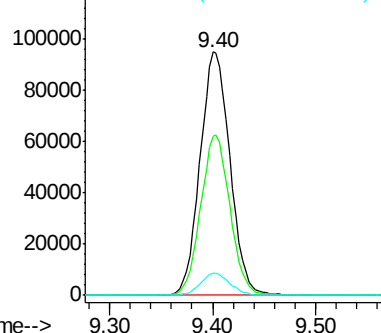
Tgt Ion:	83	Resp:	191695
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.0	76.6
127	8.9	7.0	10.6

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Abundance Ion 82.90 (82.60 to 83.60): VN053560.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.537 ug/l

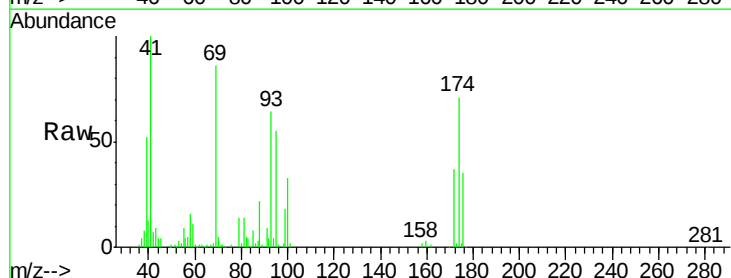
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

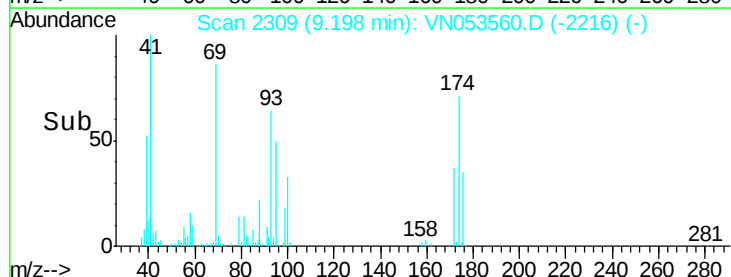
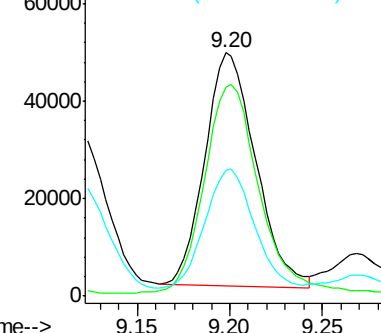
Lab File: VN053560.D

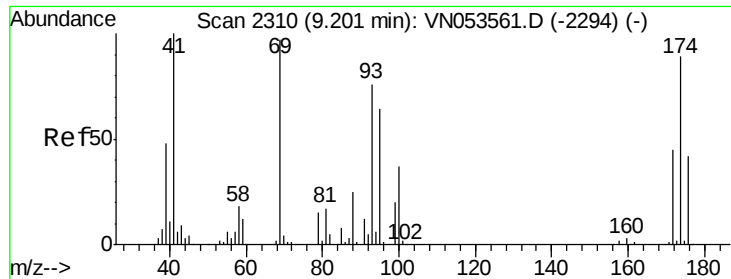
Acq: 30 Jan 2019 9:46

Tgt Ion:	41	Resp:	91240
Ion Ratio	Lower	Upper	
41	100		
69	100.2	73.8	110.6
39	57.4	40.0	60.0



Abundance Ion 41.00 (40.70 to 41.70): VN053560.D (-2216) (-)





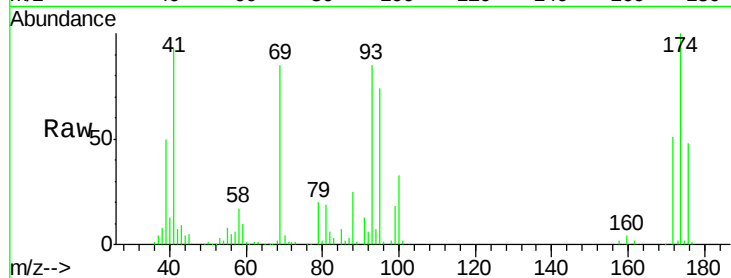
#49
 1,4-Dioxane
 Concen: 496.958 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

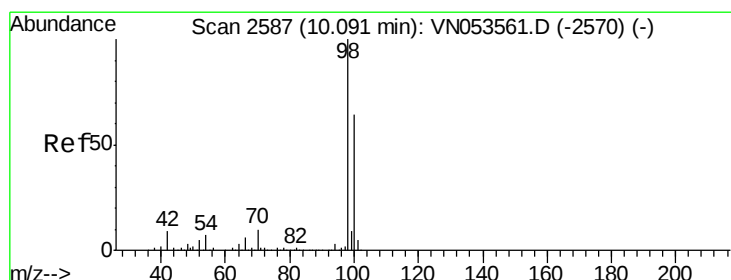
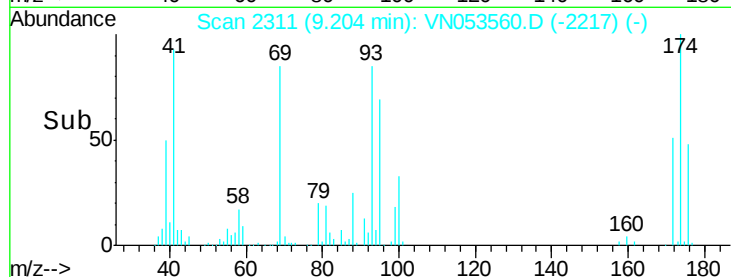
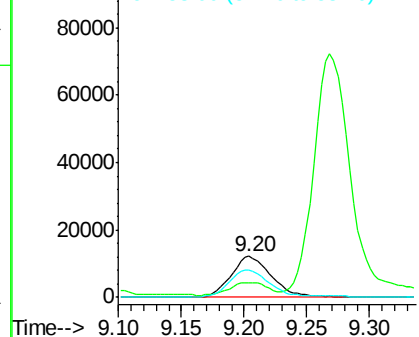
Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.8	27.8	41.6
58	67.3	56.5	84.7

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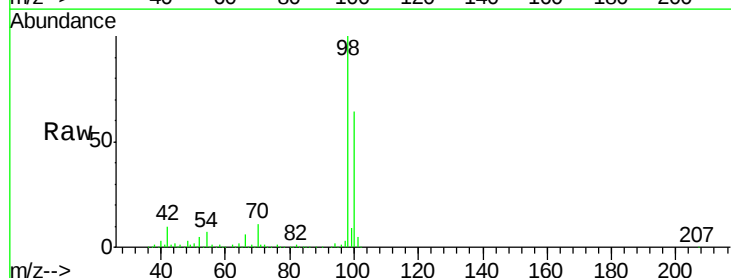


Abundance Ion 88.00 (87.70 to 88.70): VN053560.D (-2217) (-)
 Ion 43.00 (42.70 to 43.70): VN053560.D (-2217) (-)
 Ion 58.00 (57.70 to 58.70): VN053560.D (-2217) (-)

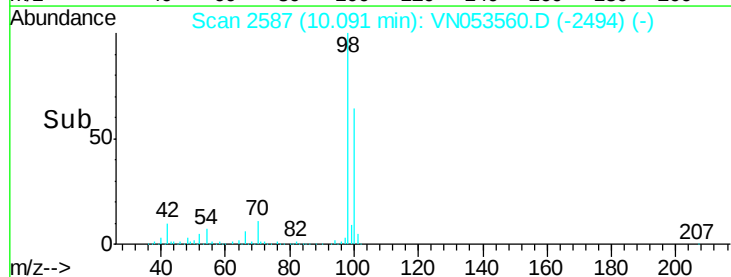
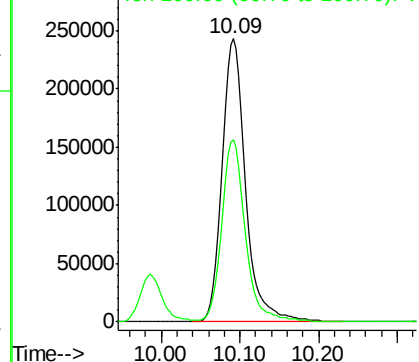


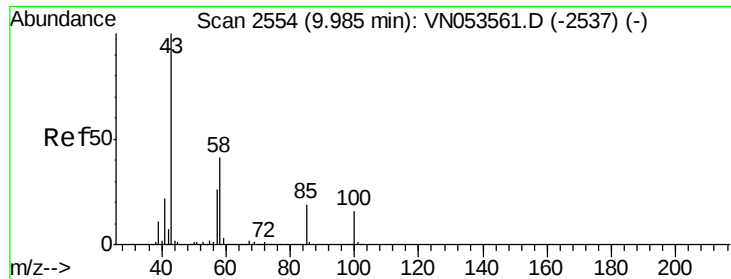
#50
 Toluene-d8
 Concen: 19.283 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053560.D (-2494) (-)
 Ion 100.00 (99.70 to 100.70): VN053560.D (-2494) (-)





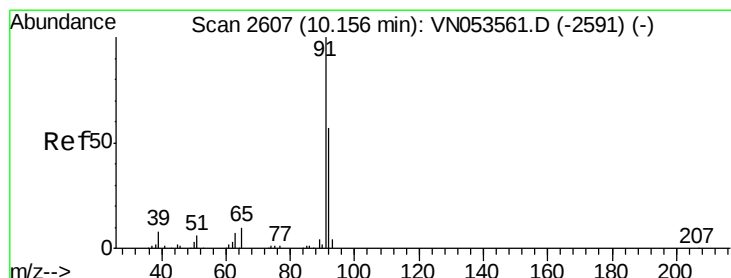
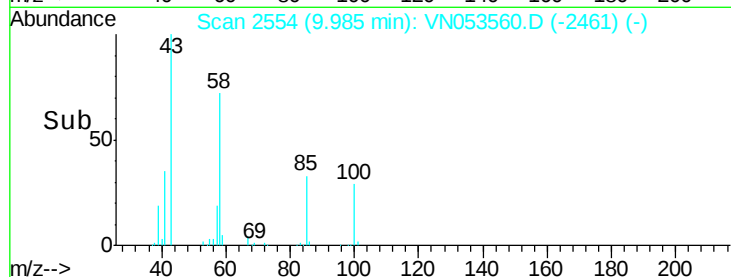
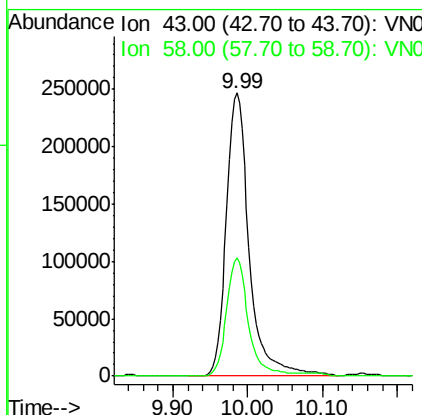
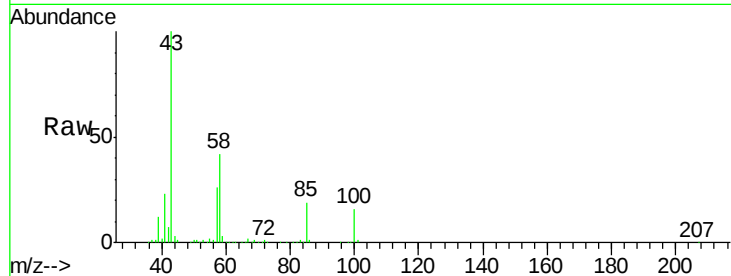
#51
 4-Methyl-2-Pentanone
 Concen: 94.651 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion: 43 Resp: 521578
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.8 49.2

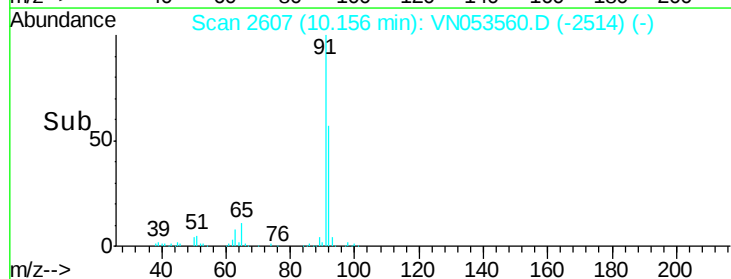
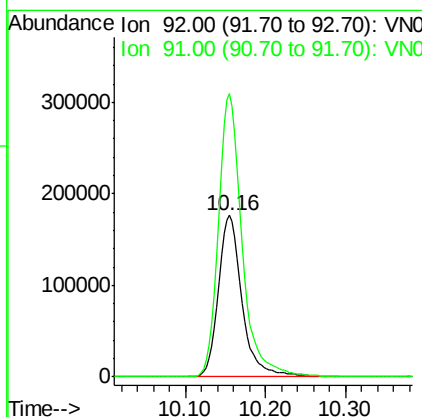
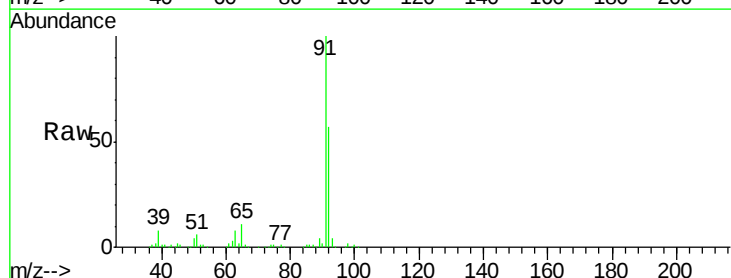
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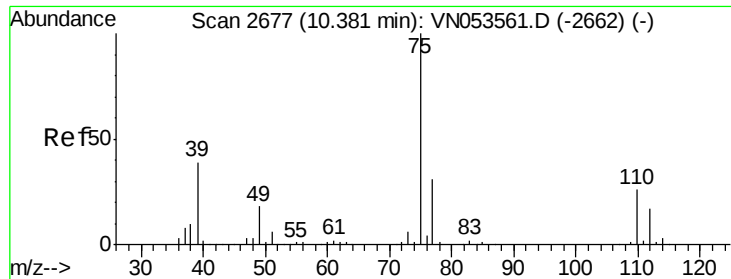
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#52
 Toluene
 Concen: 19.546 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion: 92 Resp: 361677
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.9 209.9





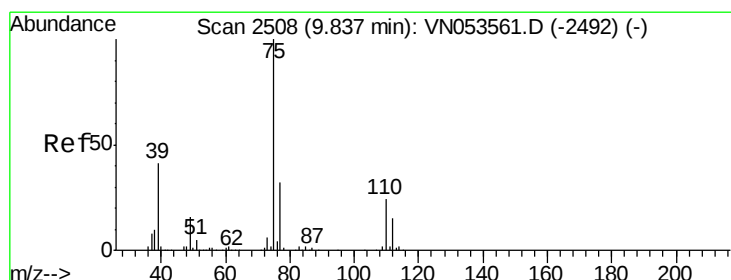
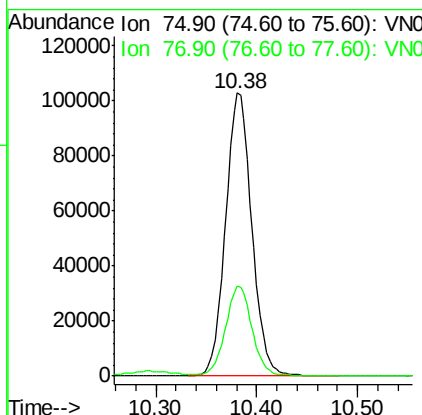
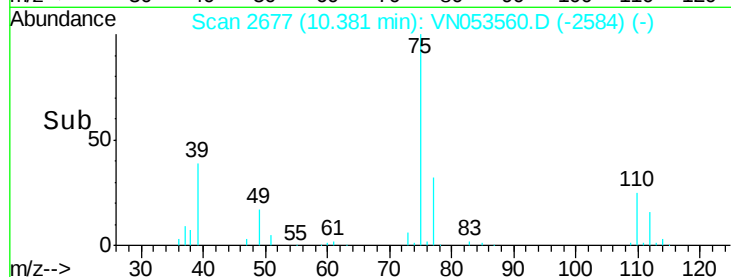
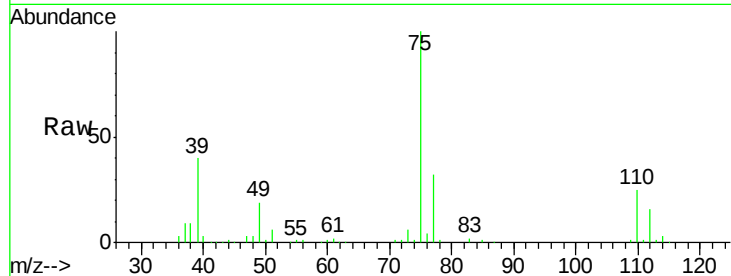
#53
t-1,3-Dichloropropene
Concen: 19.293 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 75 Resp: 186860
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3

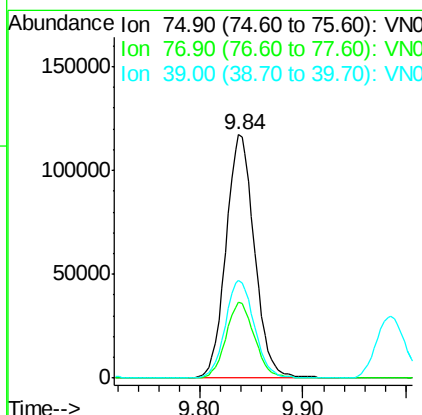
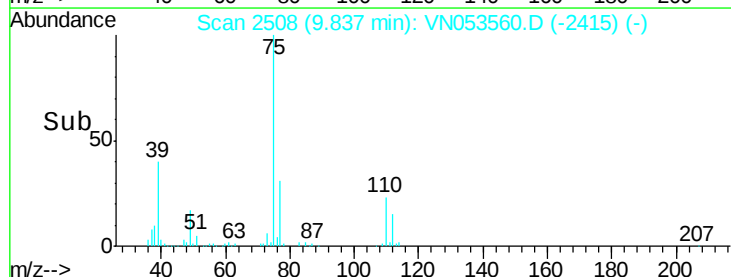
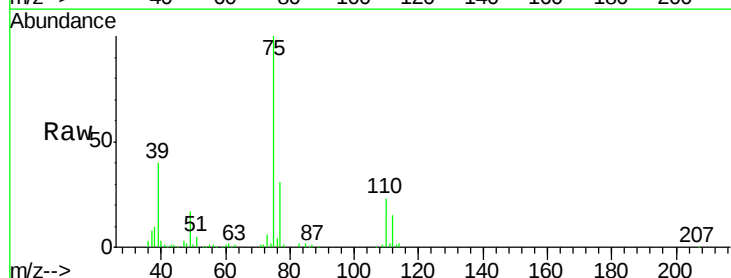
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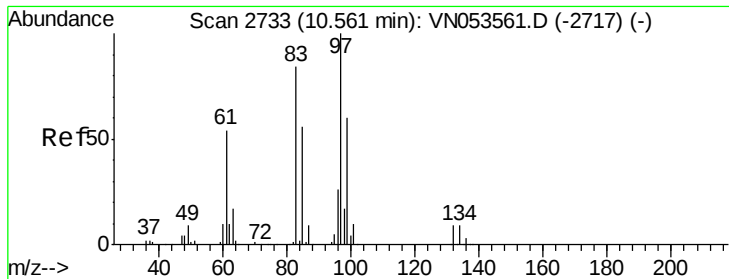
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#54
cis-1,3-Dichloropropene
Concen: 19.778 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 75 Resp: 225360
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6
39 40.2 33.4 50.0





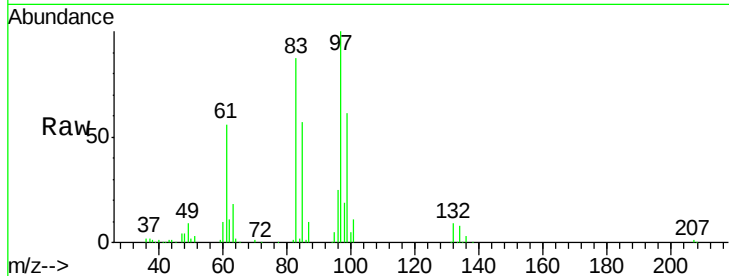
#55
 1,1,2-Trichloroethane
 Concen: 20.097 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.1	105.1
85	57.5	45.4	68.0
99	61.0	49.8	74.8

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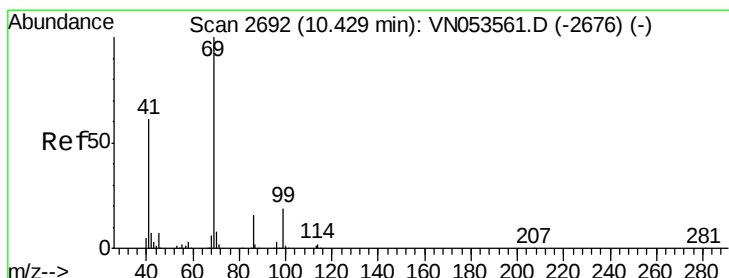
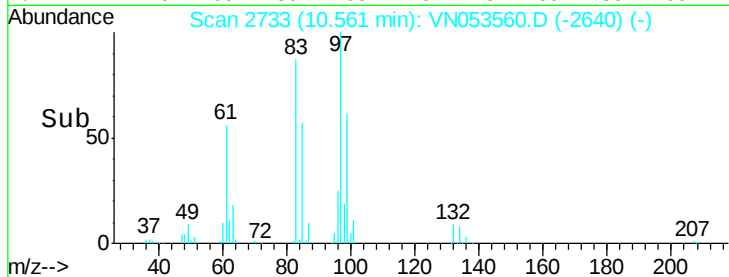
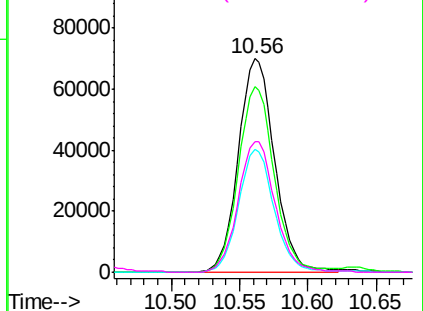


Abundance Ion 96.90 (96.60 to 97.60): VN053560.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN053560.D (-2640) (-)

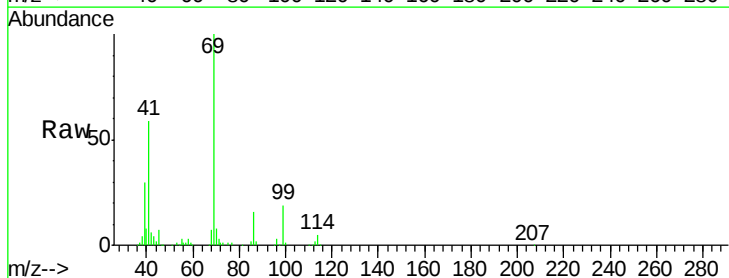
Ion 84.90 (84.60 to 85.60): VN053560.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN053560.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 18.542 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

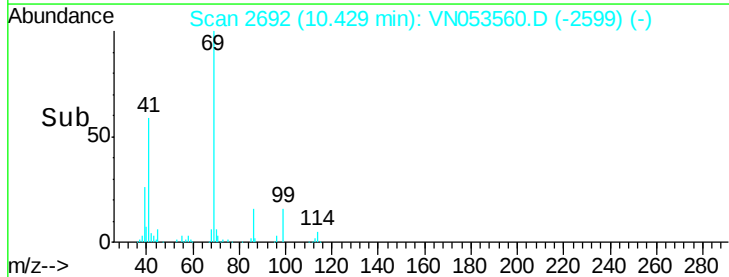
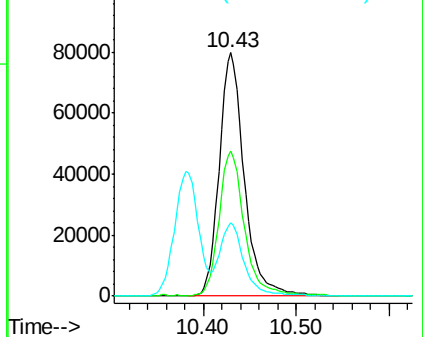
Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.4	49.4	74.0
39	29.6	23.3	34.9

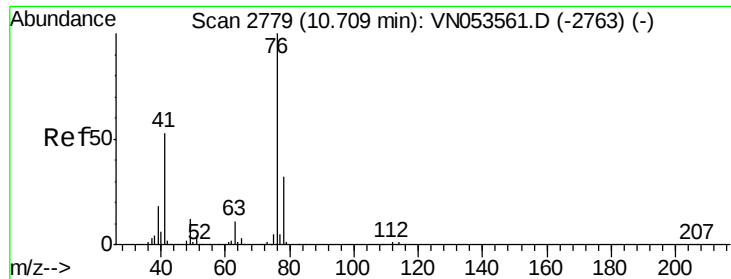


Abundance Ion 69.00 (68.70 to 69.70): VN053560.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN053560.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN053560.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 19.790 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 76 Resp: 218414

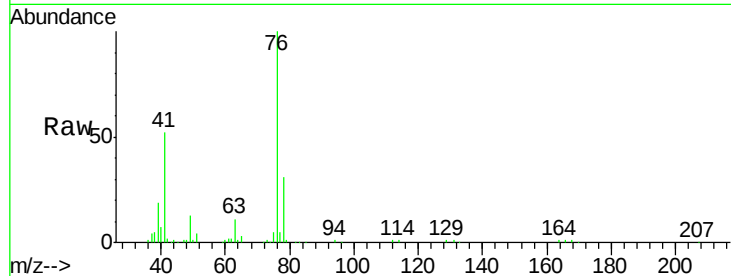
Ion Ratio Lower Upper

76 100

78 31.0 25.6 38.4

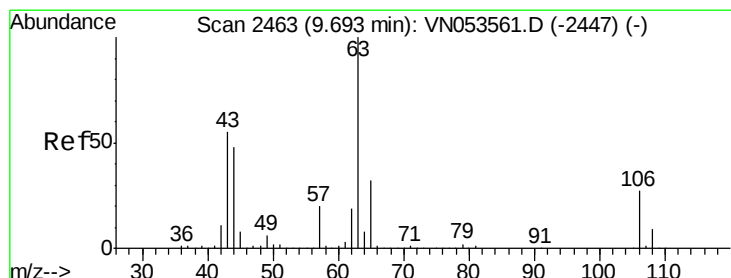
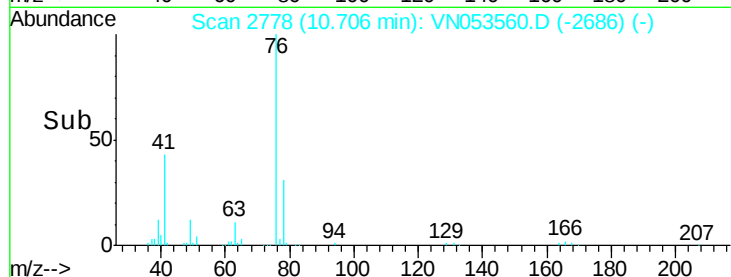
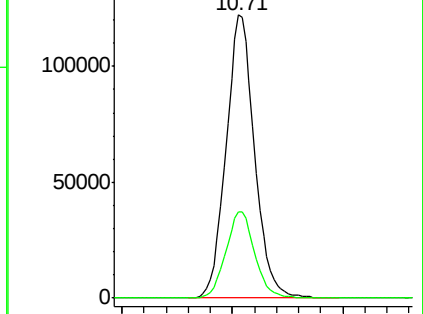
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.550 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053560.D

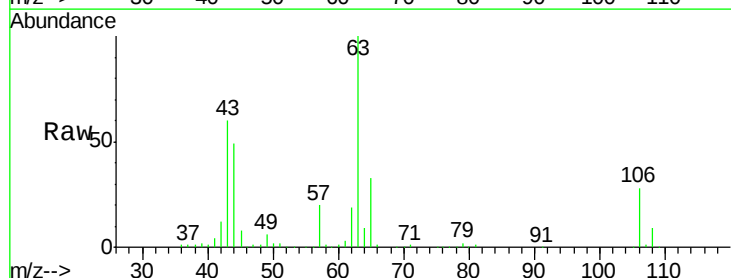
Acq: 30 Jan 2019 9:46

Tgt Ion: 63 Resp: 427401

Ion Ratio Lower Upper

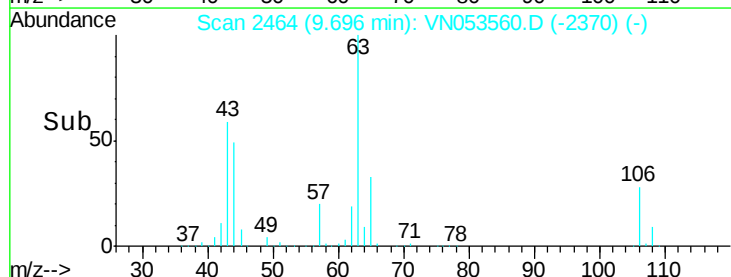
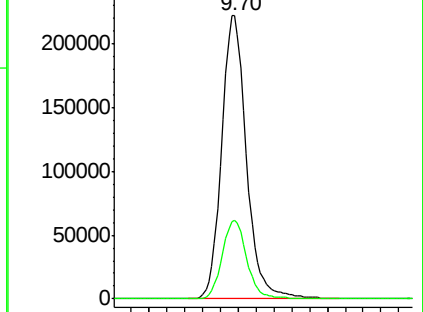
63 100

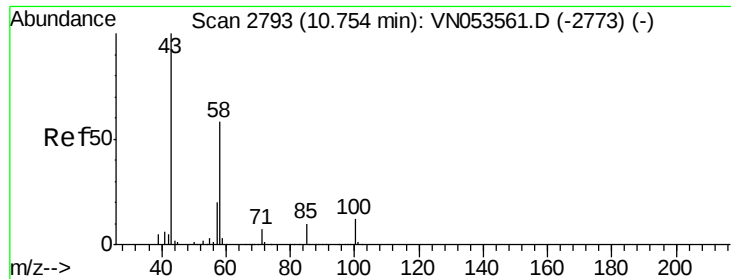
106 27.6 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





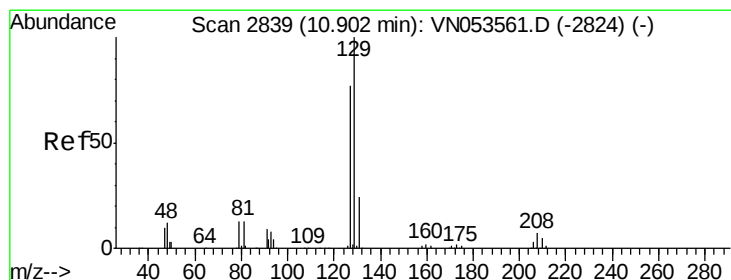
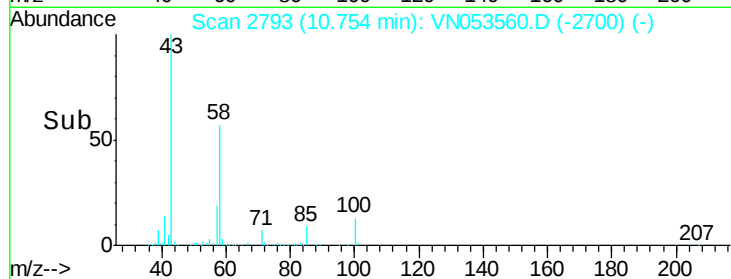
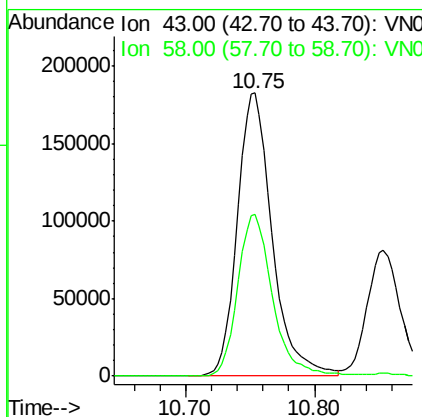
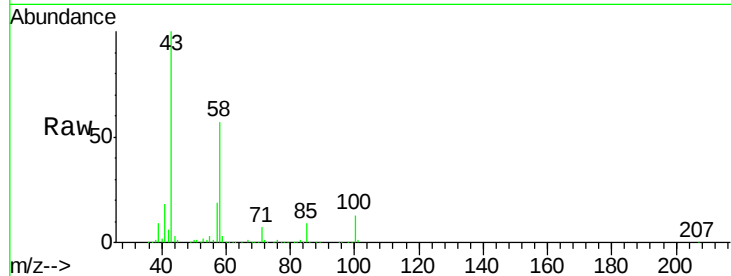
#59
2-Hexanone
Concen: 88.957 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 43 Resp: 342040
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8

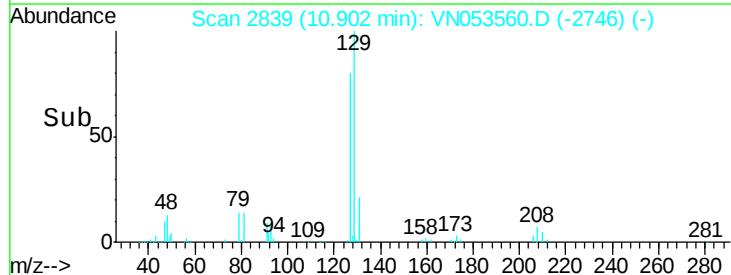
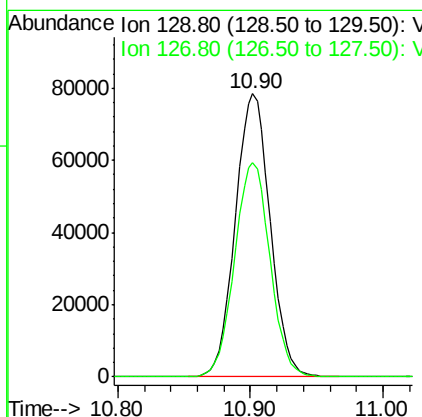
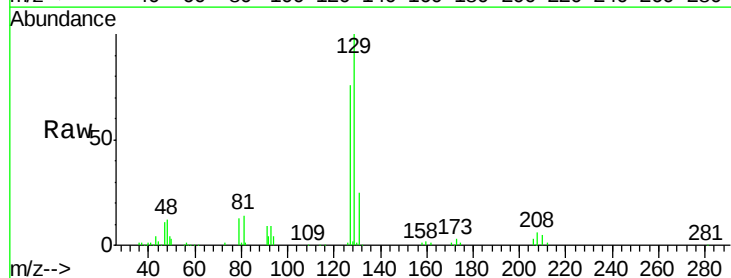
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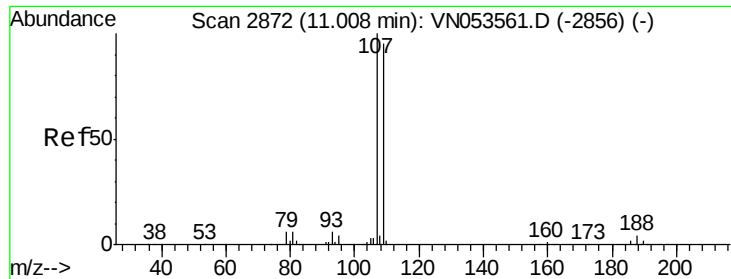
MMDadoda
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#60
Dibromochloromethane
Concen: 19.695 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 129 Resp: 143174
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





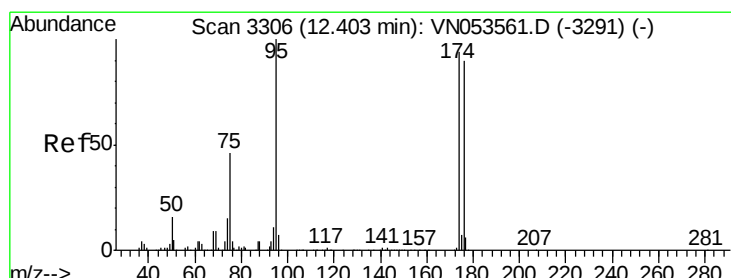
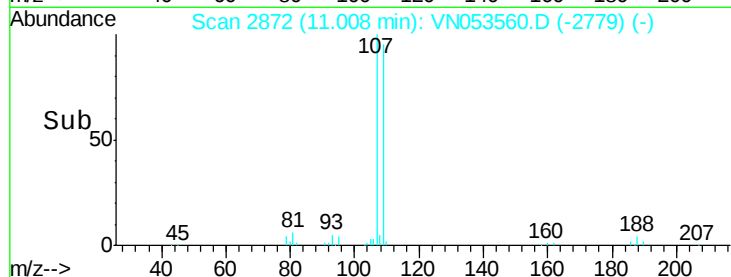
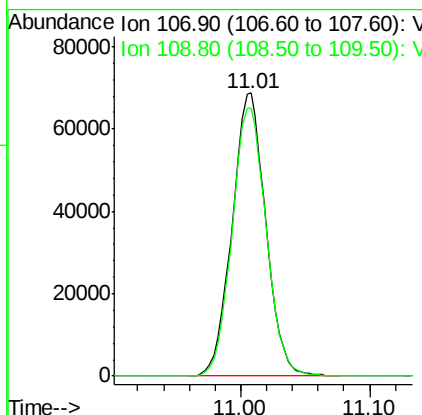
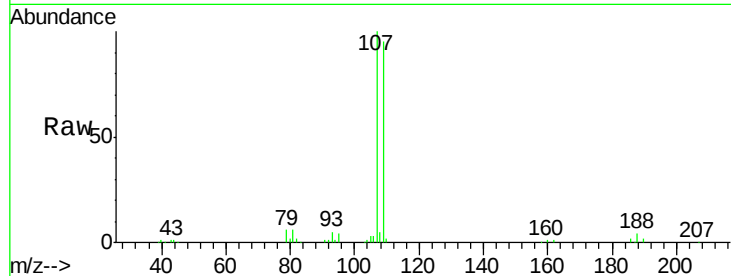
#61
 1,2-Dibromoethane
 Concen: 19.317 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	124282		
109	96.4	75.7	113.5	

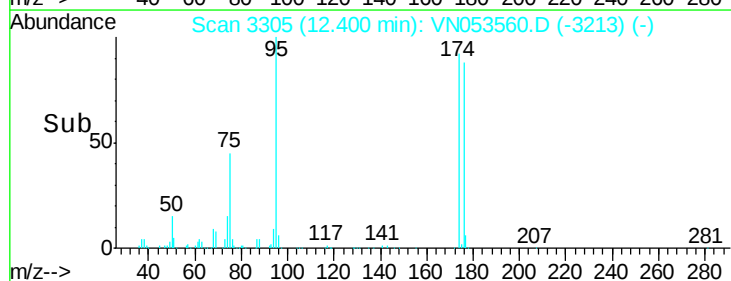
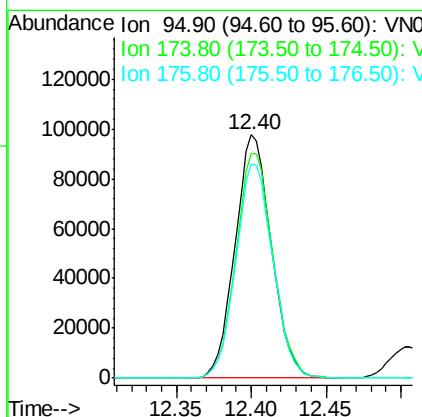
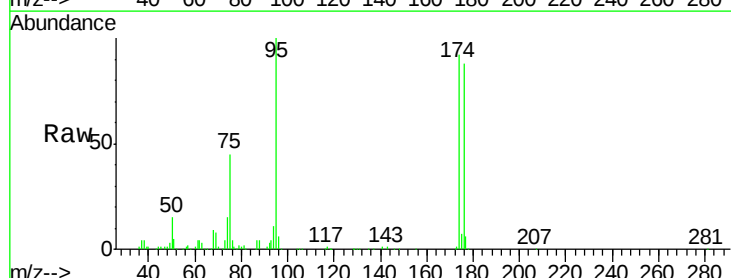
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 2/1/2019 9:18:18 AM



#62
 4-Bromofluorobenzene
 Concen: 18.209 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	164943		
174	94.5	0.0	183.2	
176	89.7	0.0	177.4	





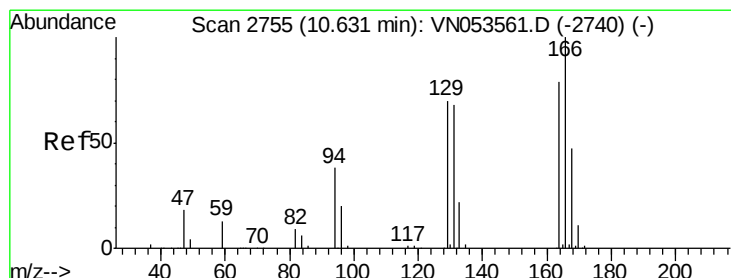
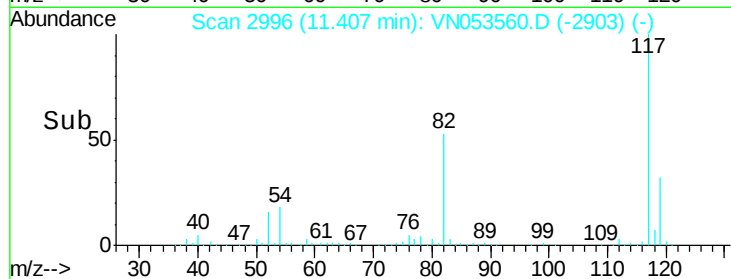
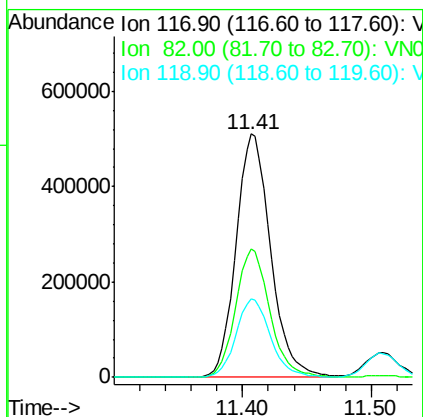
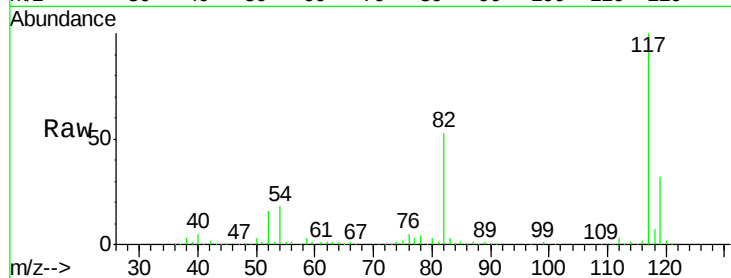
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	951722		
82	52.6	42.9	64.3	
119	32.1	26.0	39.0	

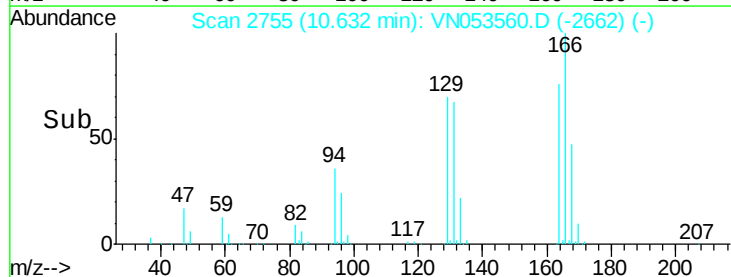
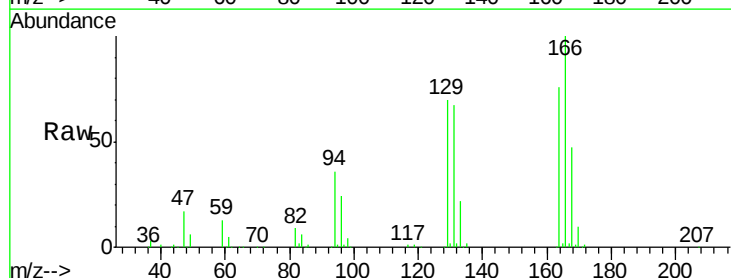
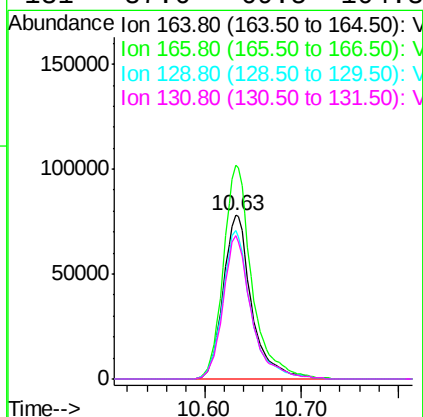
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#64
Tetrachloroethene
Concen: 18.126 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159732		
166	130.8	102.2	153.4	
129	91.0	72.6	109.0	
131	87.6	69.5	104.3	





#65

Chlorobenzene

Concen: 19.652 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion:112 Resp: 393417

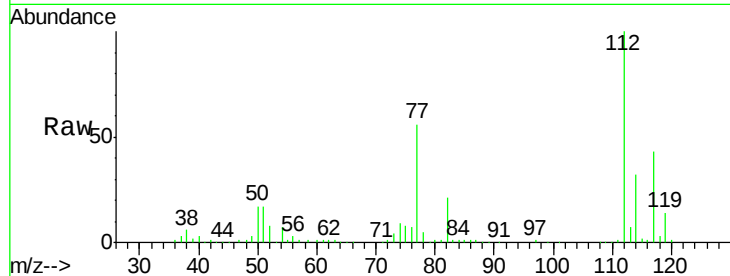
Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9

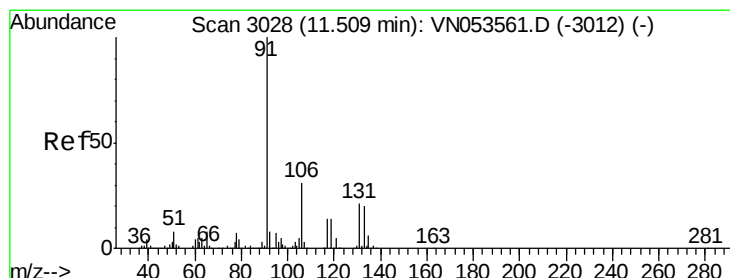
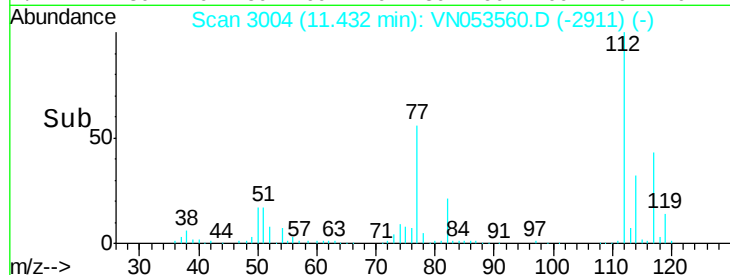
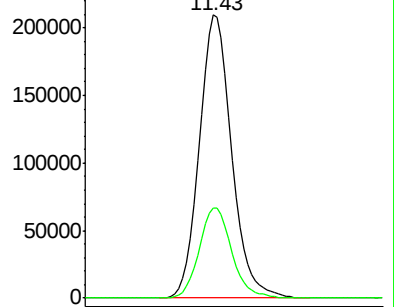
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.673 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

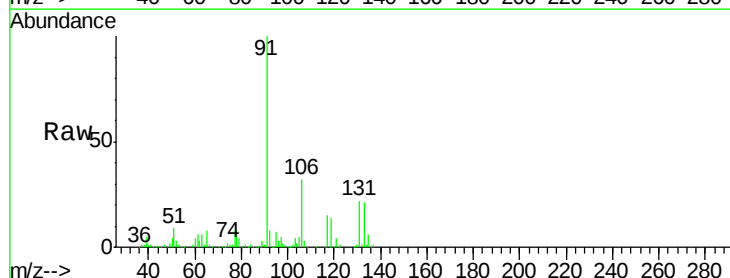
Tgt Ion:131 Resp: 137631

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

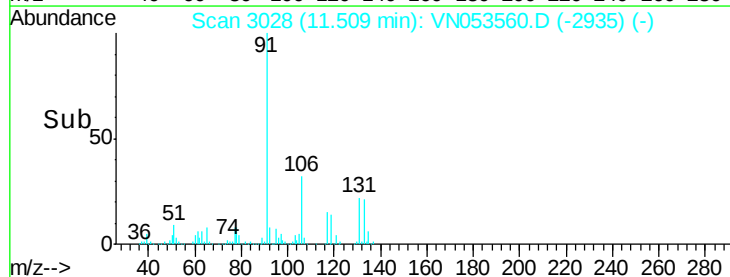
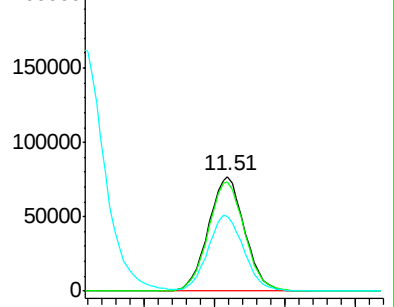
119 65.7 33.5 100.5

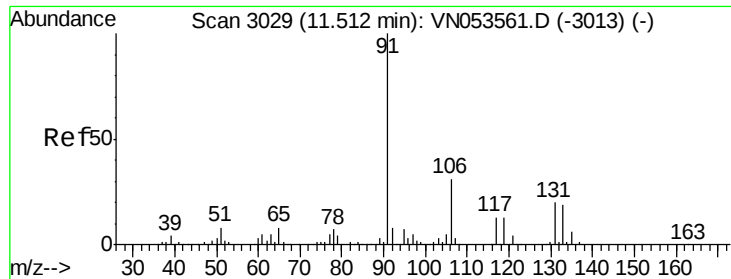


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





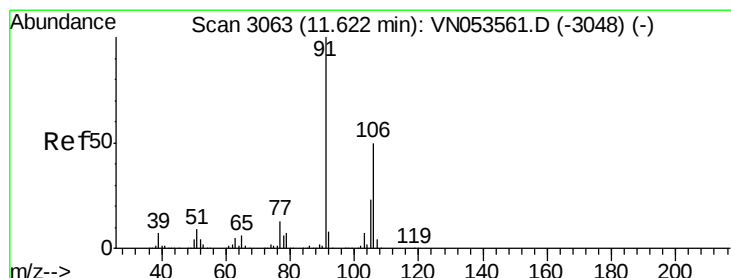
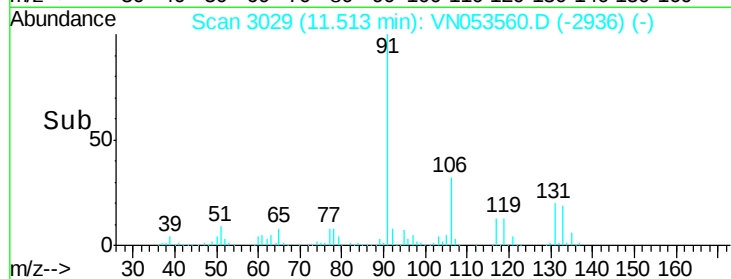
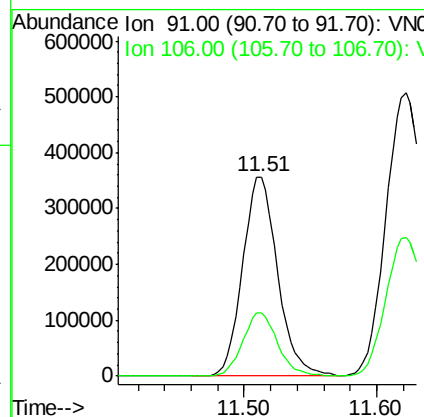
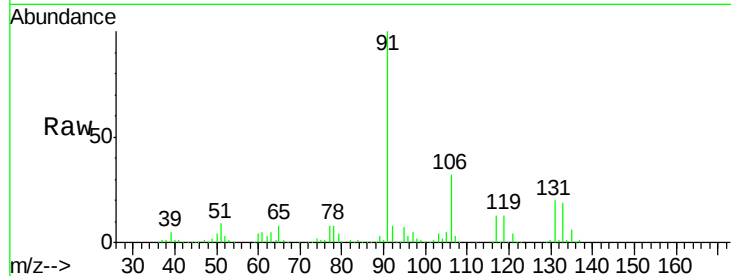
#67
Ethyl Benzene
Concen: 19.277 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 91 Resp: 655343
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

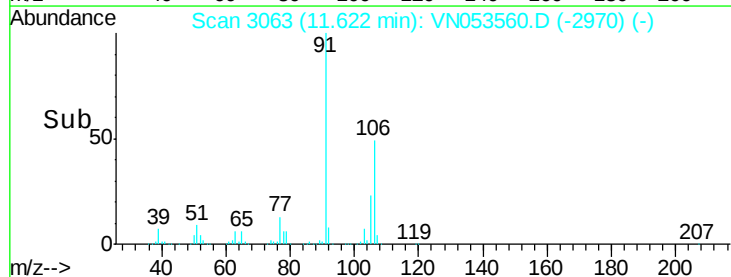
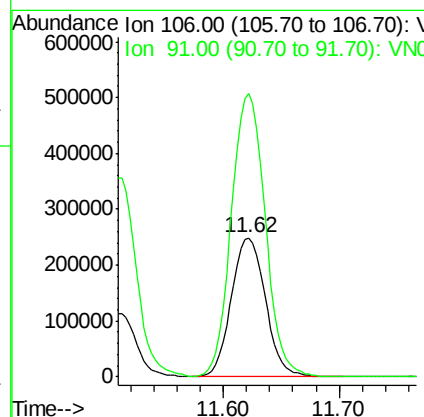
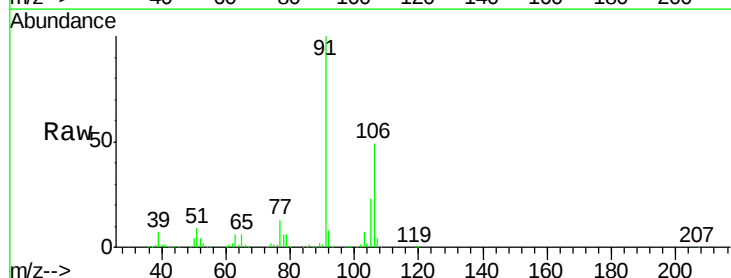
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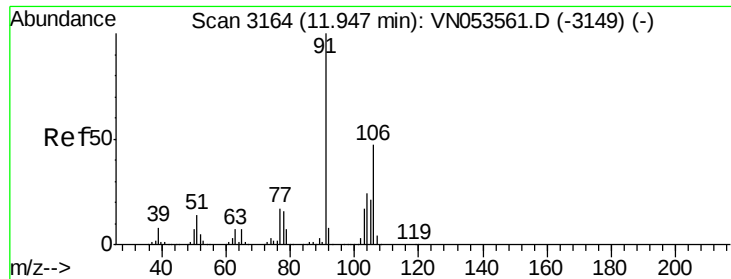
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#68
m/p-Xylenes
Concen: 39.643 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion: 106 Resp: 509691
Ion Ratio Lower Upper
106 100
91 202.2 161.4 242.2





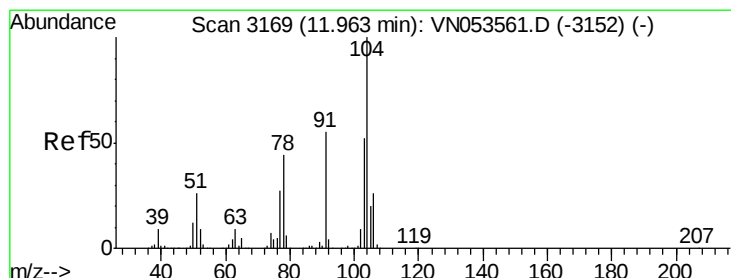
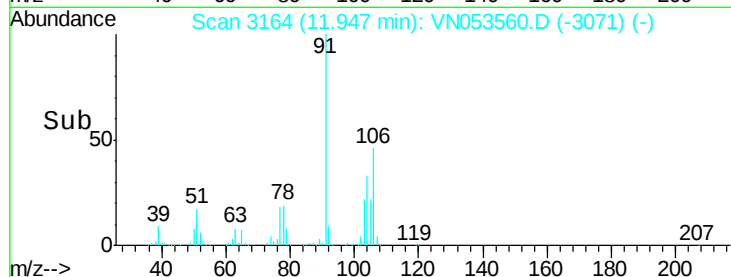
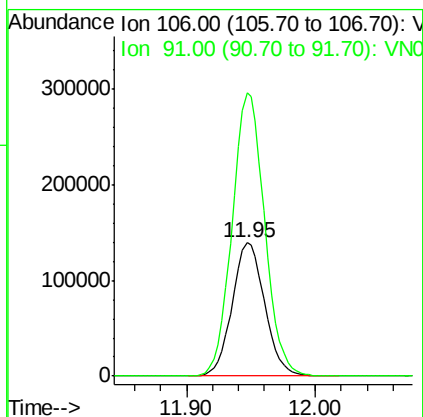
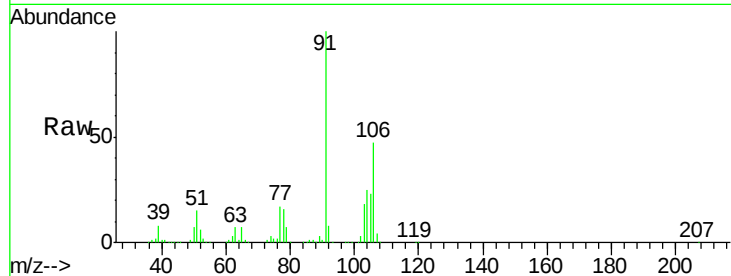
#69
o-Xylene
Concen: 19.517 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 244044
Ion Ratio Lower Upper
106 100
91 211.7 106.9 320.8

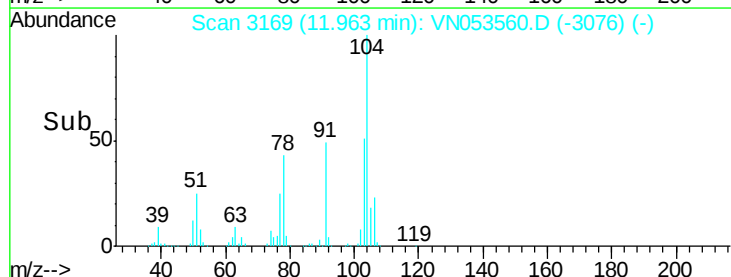
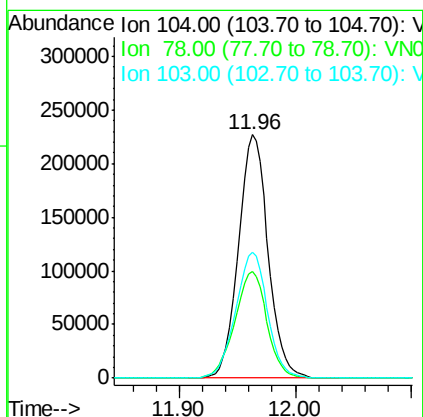
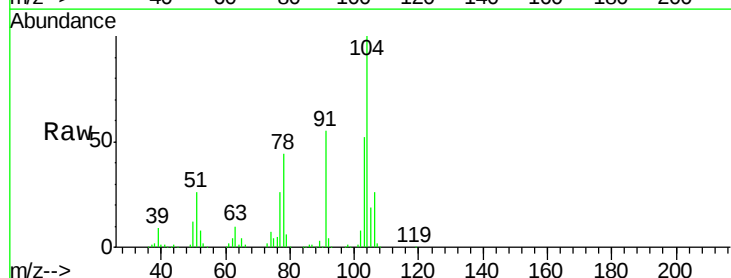
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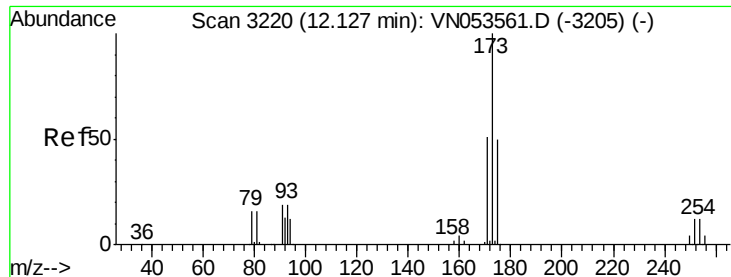
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#70
Styrene
Concen: 19.847 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion:104 Resp: 401621
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.5 44.4 66.6





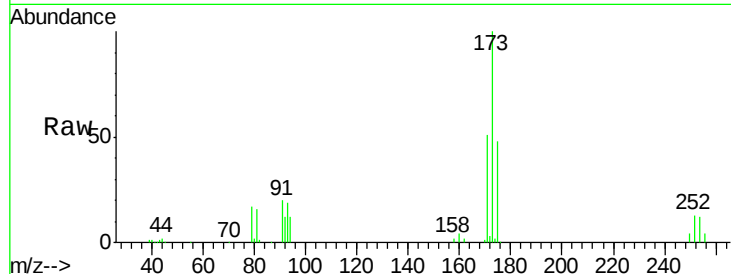
#71
Bromoform
Concen: 19.779 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

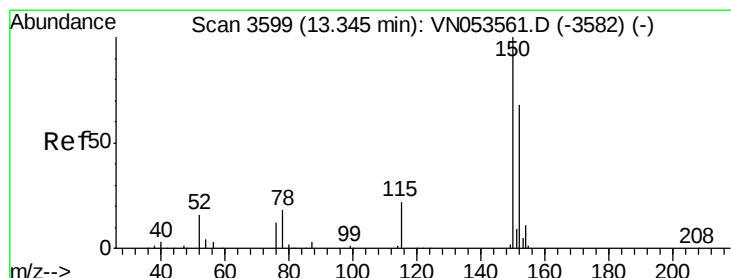
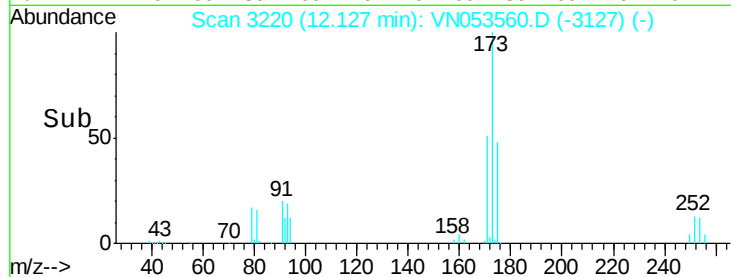
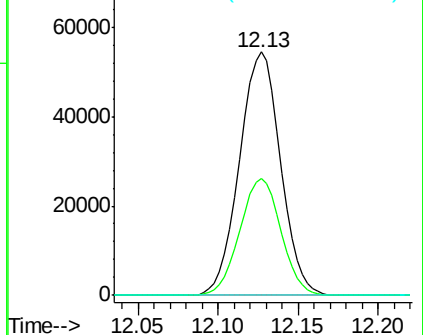
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.2	0.2

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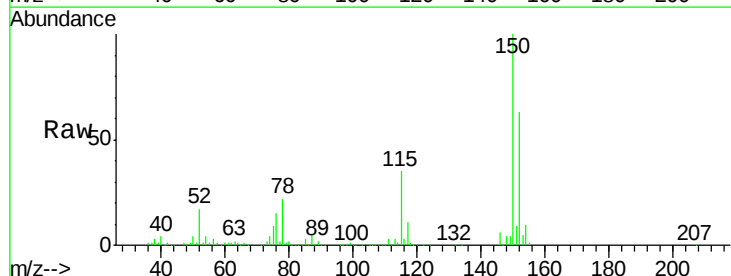


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

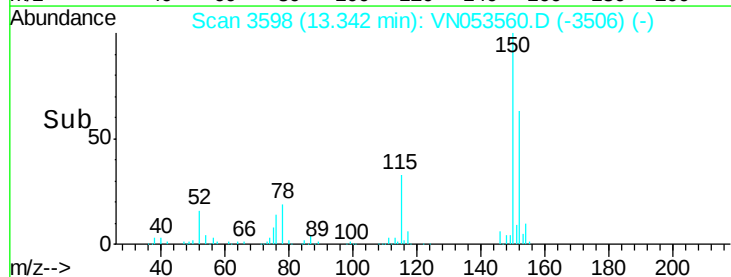
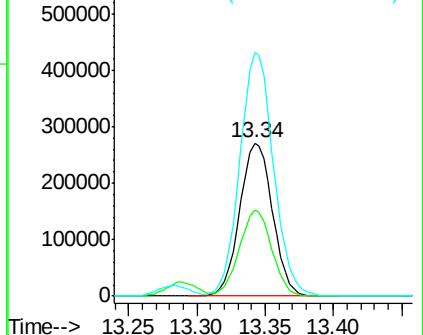


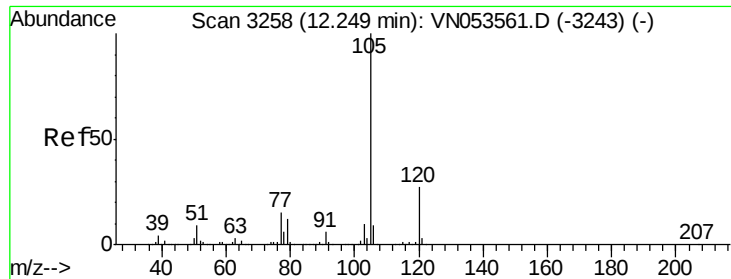
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	163.5	0.0	349.0



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: 19.748 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 644785

Ion Ratio Lower Upper

105 100

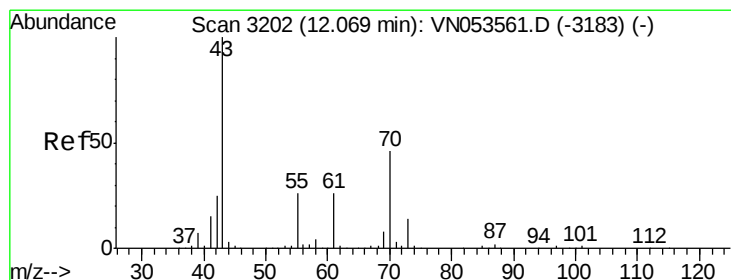
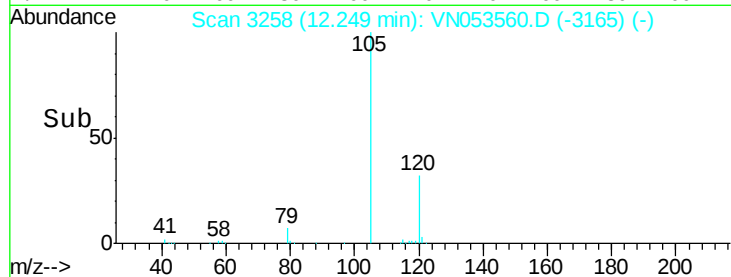
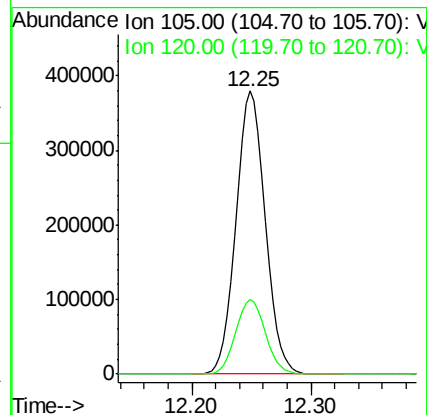
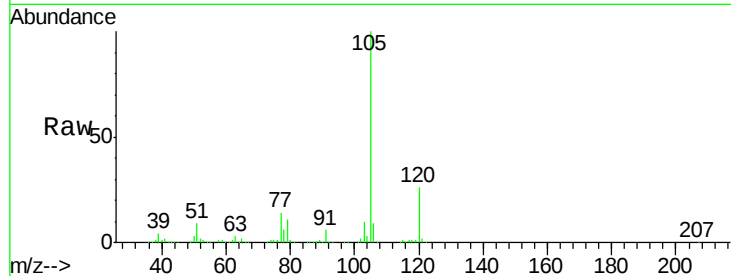
120 26.8 13.6 40.7

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#74

N-ethyl acetate

Concen: 16.971 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion: 43 Resp: 145202

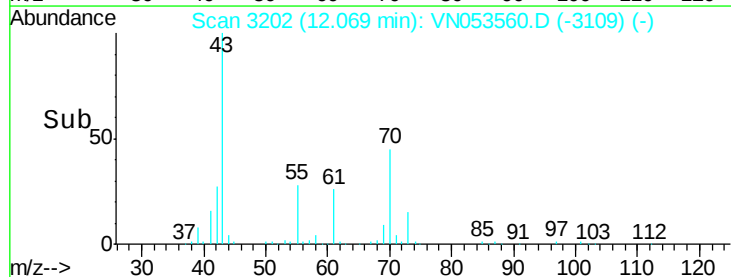
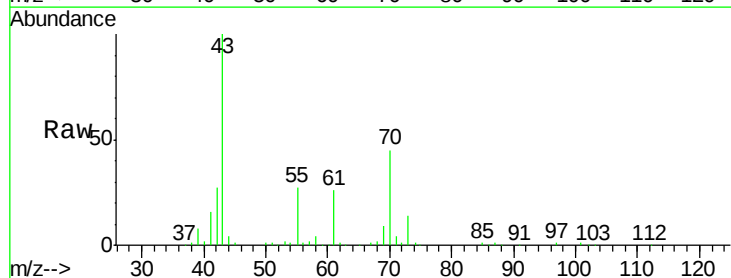
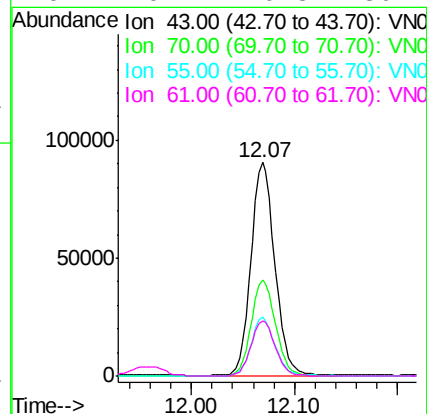
Ion Ratio Lower Upper

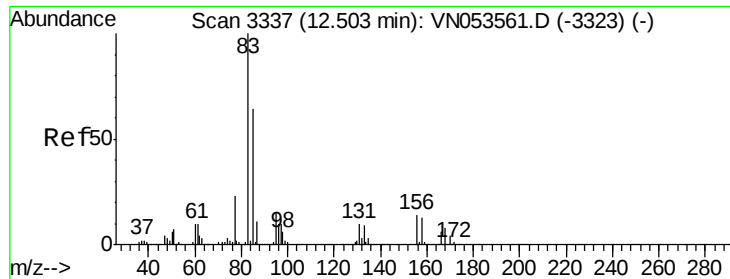
43 100

70 46.0 35.4 53.2

55 27.5 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.088 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 147348
Ion Ratio Lower Upper

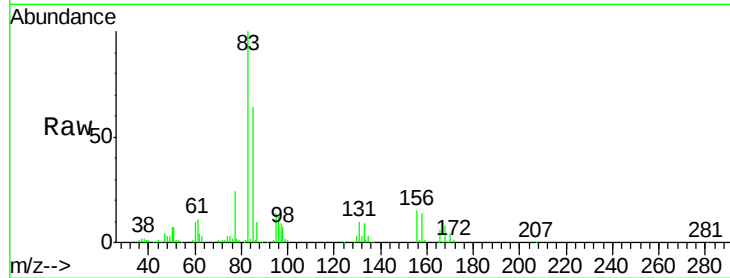
83 100

131 10.8 5.3 15.8

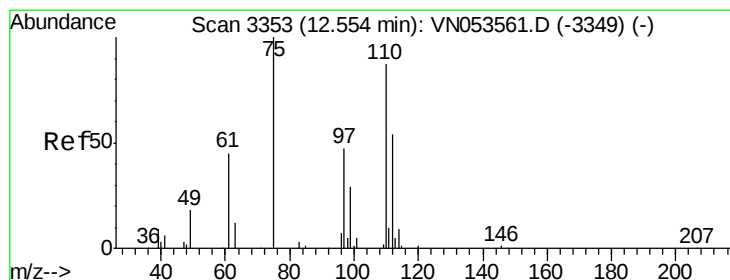
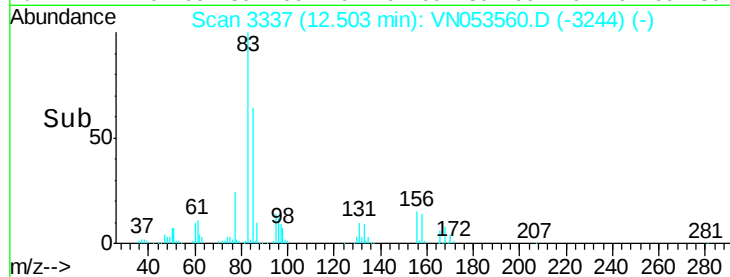
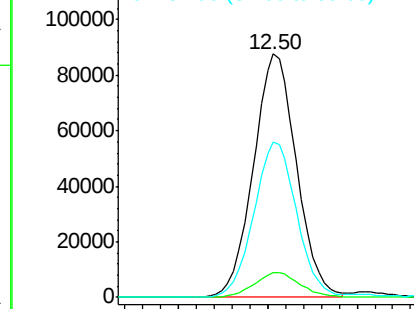
85 63.6 32.1 96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.975 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

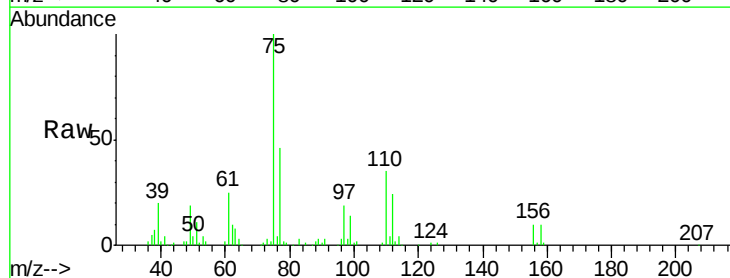
Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

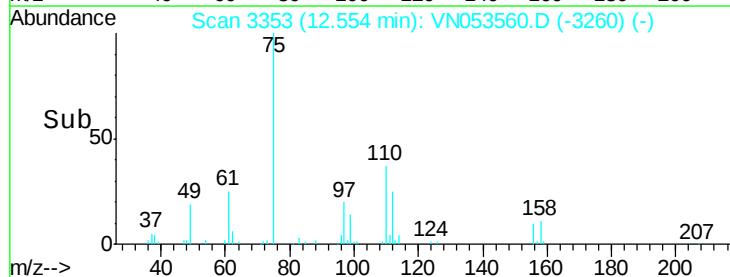
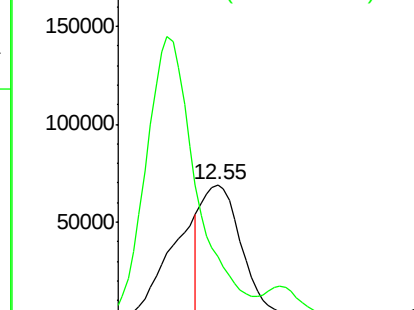
Tgt Ion: 75 Resp: 113043
Ion Ratio Lower Upper

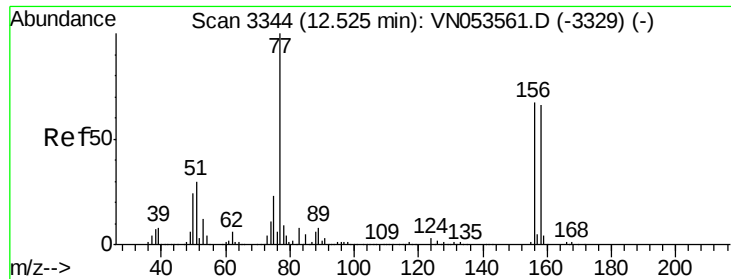
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.762 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

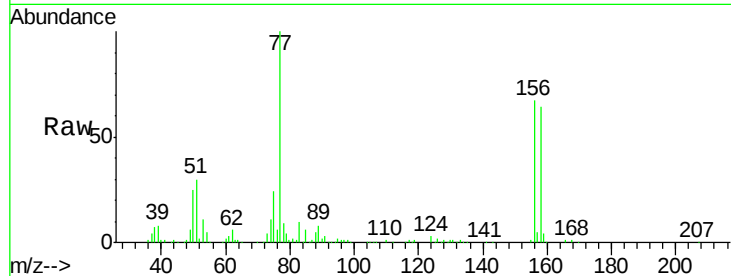
ClientSampled :

VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	170913		
77	171.9	87.9	263.8	
158	98.5	48.8	146.4	

Manual Integrations
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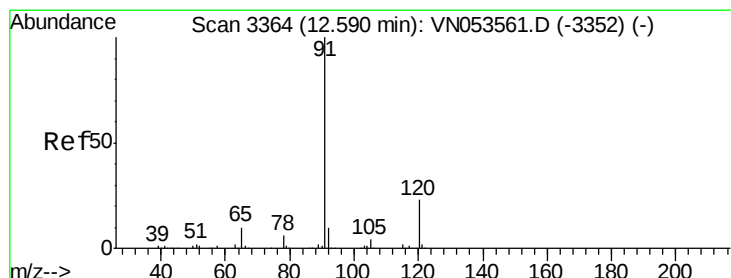
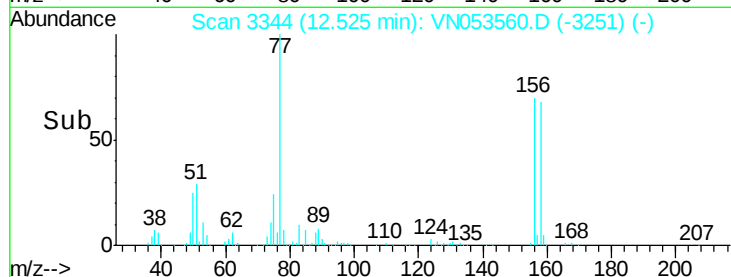
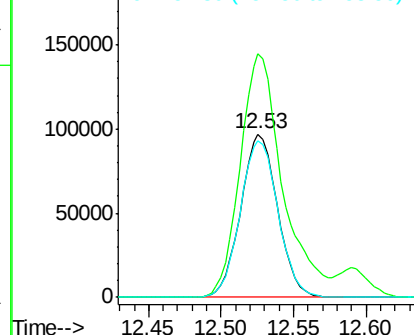
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.825 ug/l

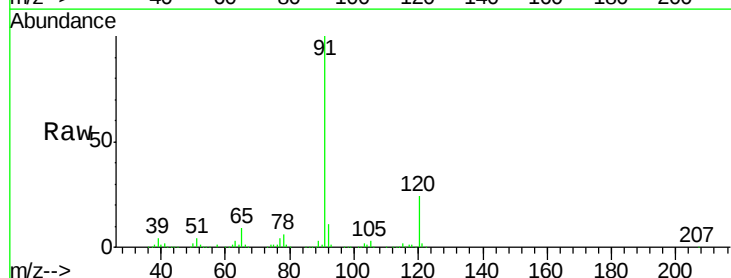
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053560.D

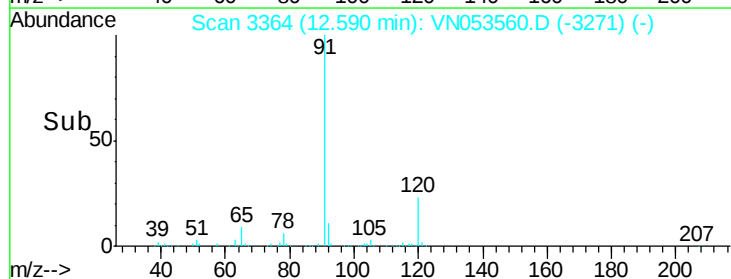
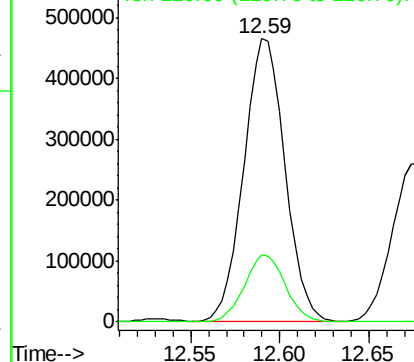
Acq: 30 Jan 2019 9:46

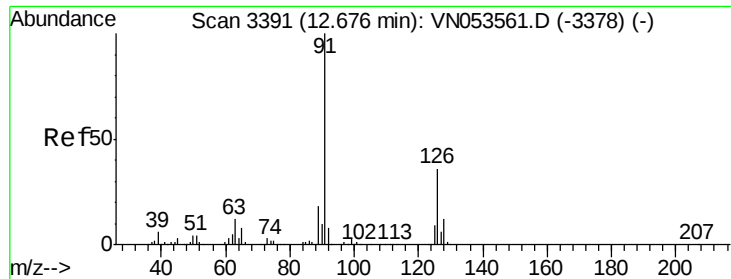
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	744690		
120	23.6	11.9	35.5	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.438 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 433007

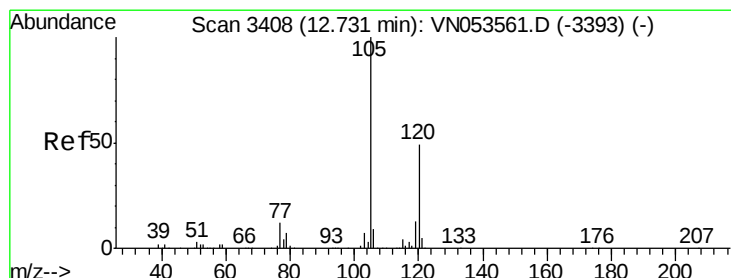
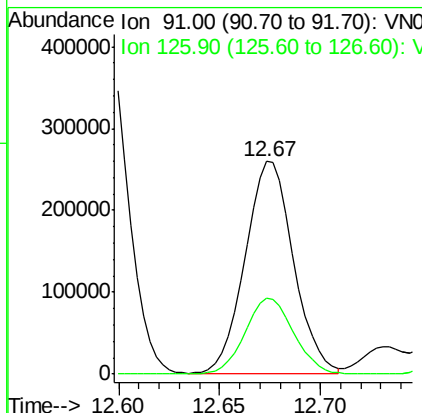
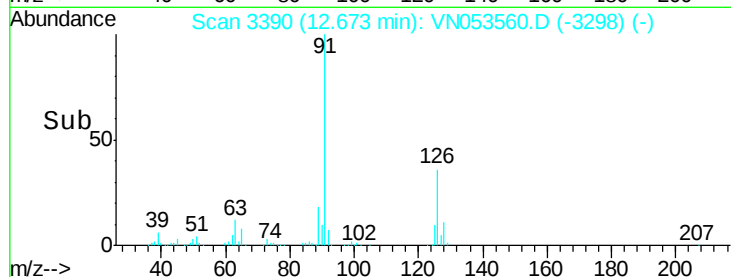
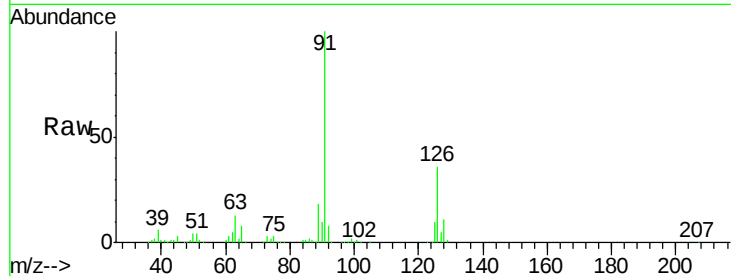
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.133 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053560.D

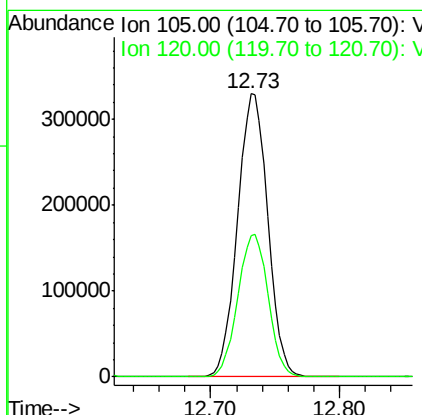
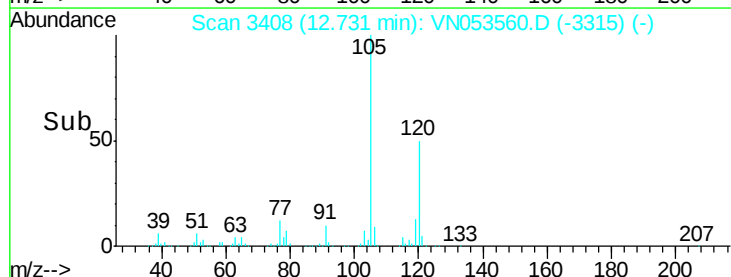
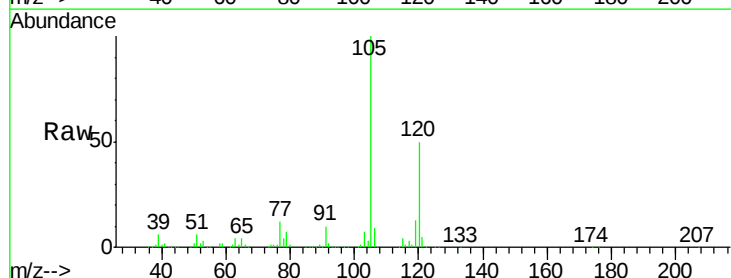
Acq: 30 Jan 2019 9:46

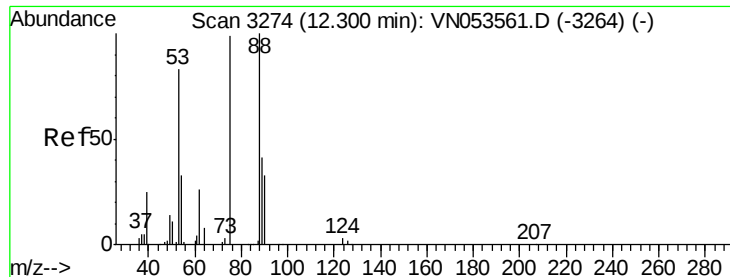
Tgt Ion: 105 Resp: 538260

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.816 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

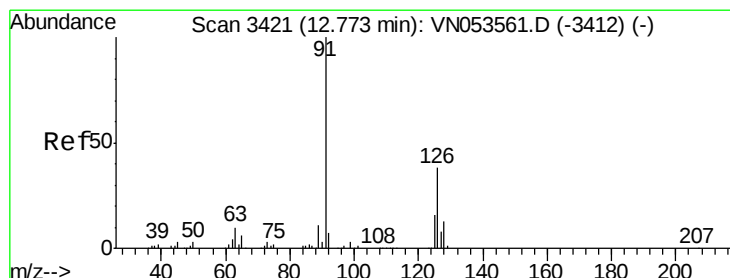
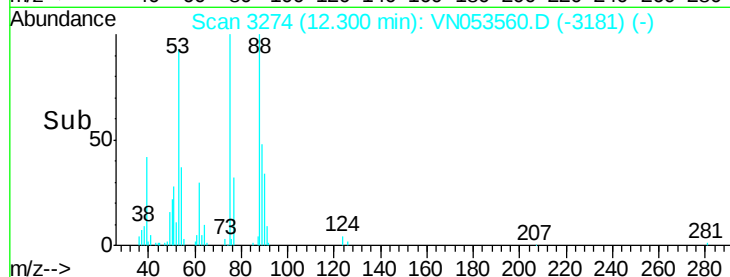
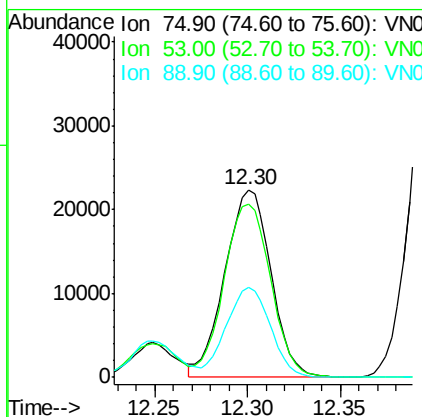
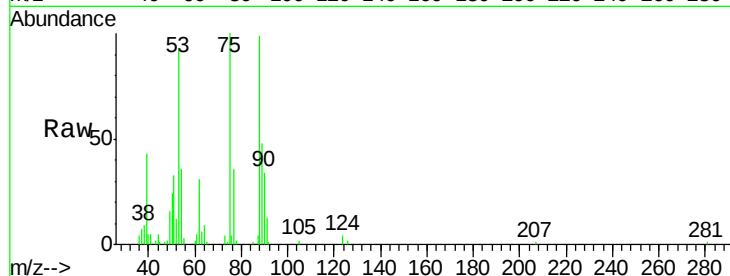
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	38716
Ion	Ratio	Lower	Upper
75	100		
53	93.9	69.8	104.6
89	45.7	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.524 ug/l

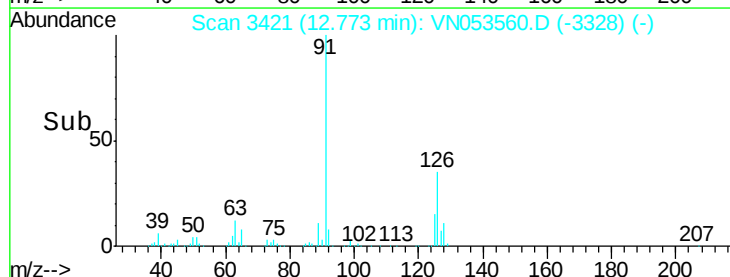
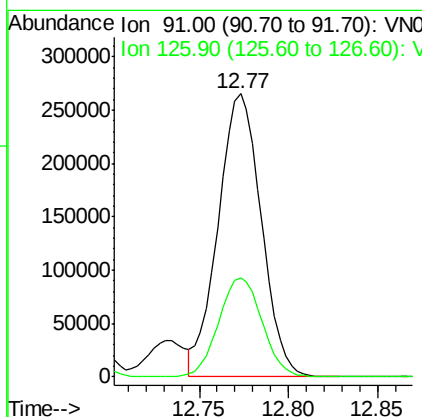
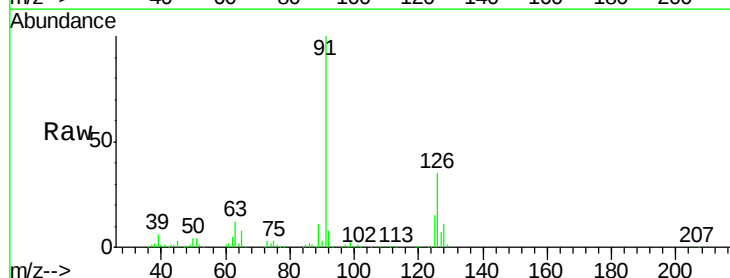
RT: 12.77 min Scan# 3421

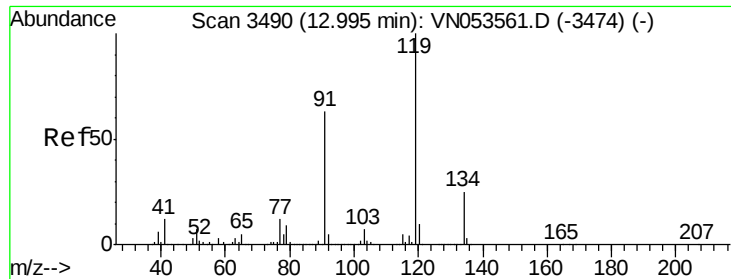
Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion:	91	Resp:	443875
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.9





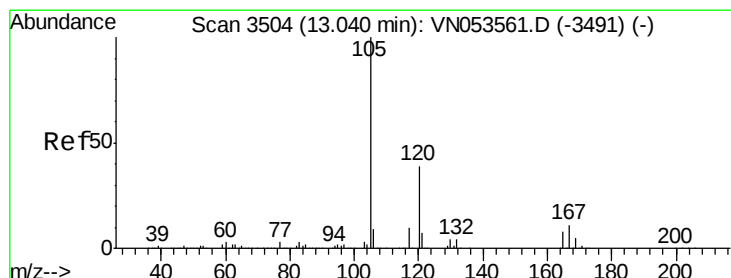
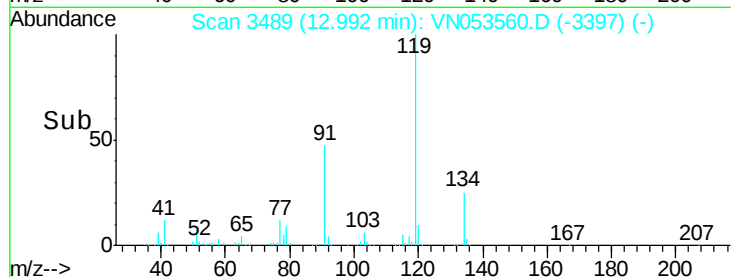
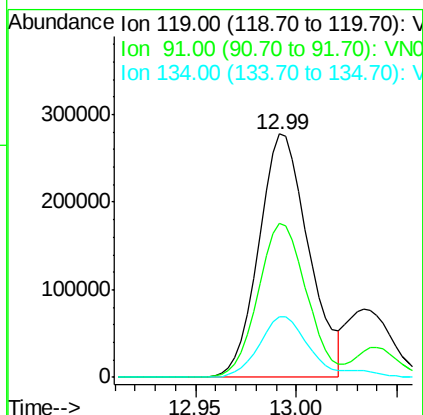
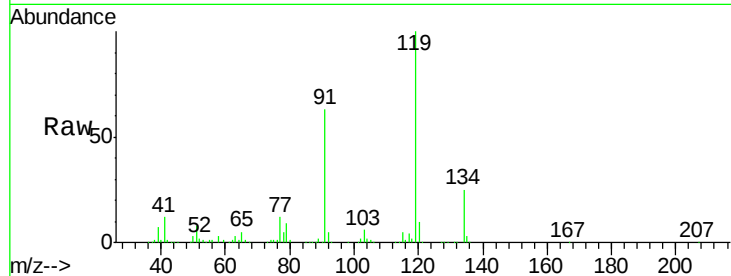
#83
tert-Butylbenzene
Concen: 20.294 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	477696		
91	61.4	31.3	93.8	
134	26.2	12.9	38.7	

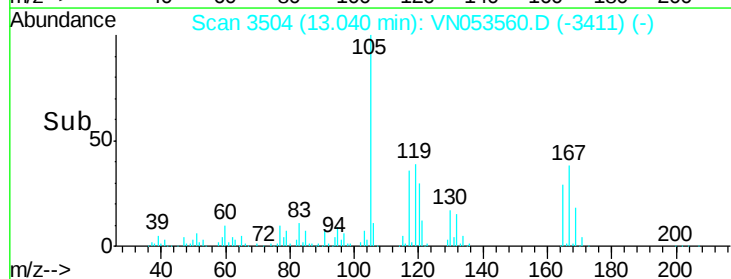
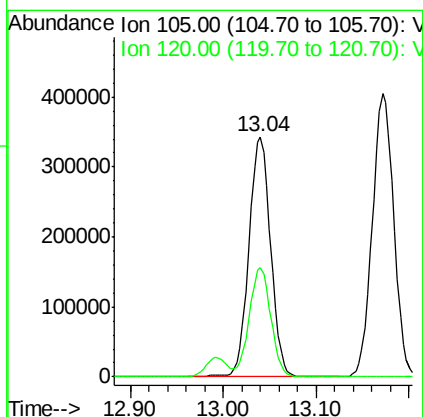
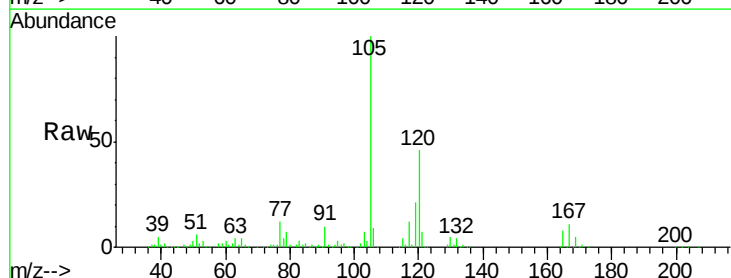
Manual Integrations
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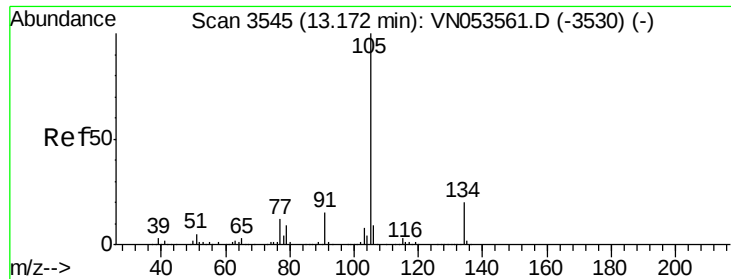
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#84
1,2,4-Trimethylbenzene
Concen: 20.584 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	555535		
120	45.4	23.0	69.0	





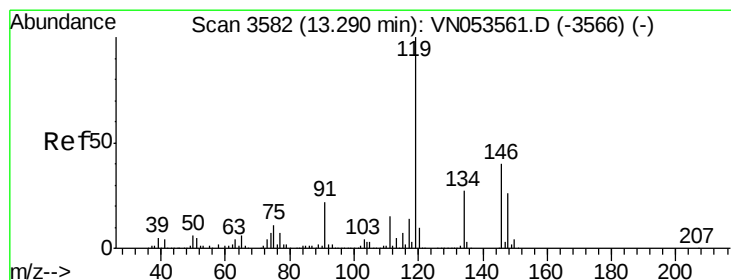
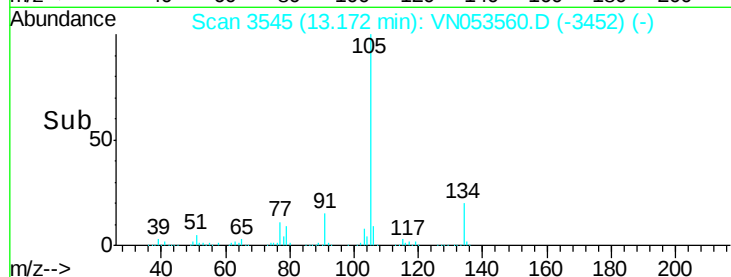
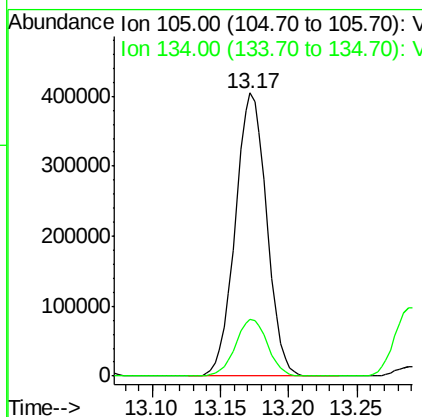
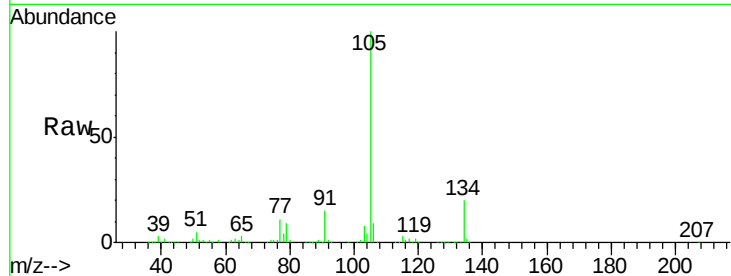
#85
 sec-Butylbenzene
 Concen: 19.969 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.2	30.6

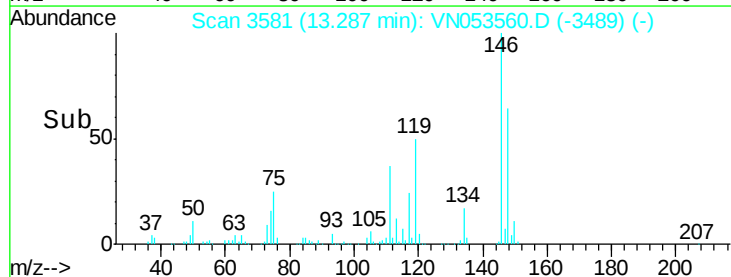
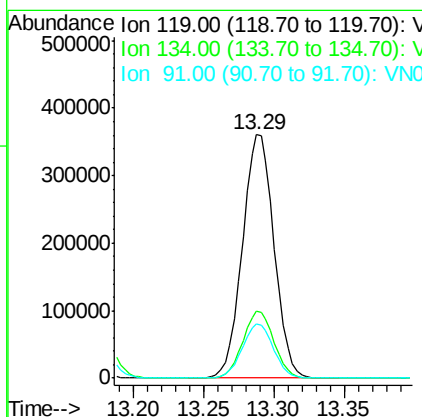
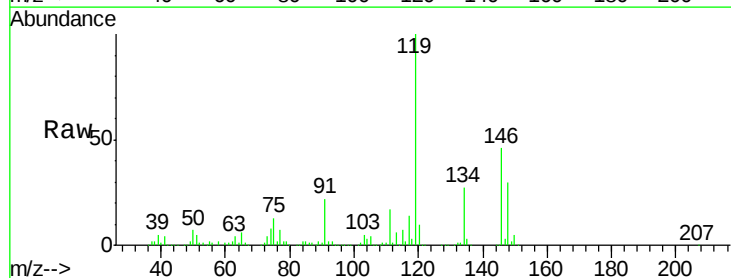
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#86
 p-Isopropyltoluene
 Concen: 20.069 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	22.0	11.0	33.0





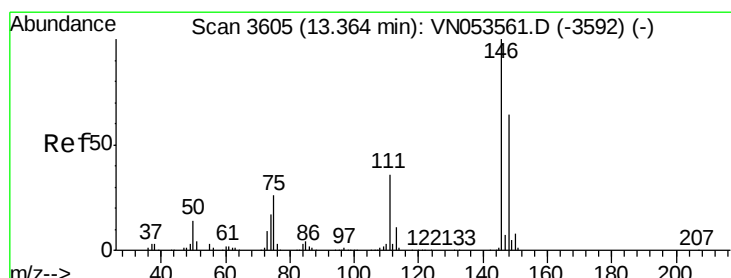
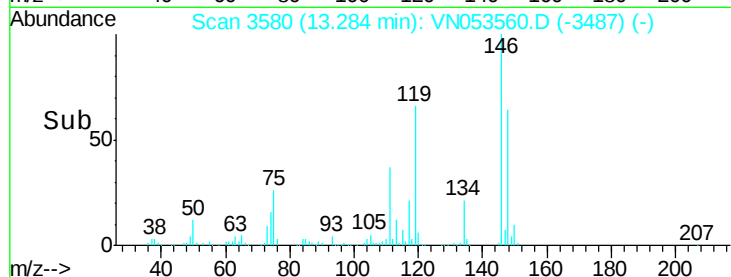
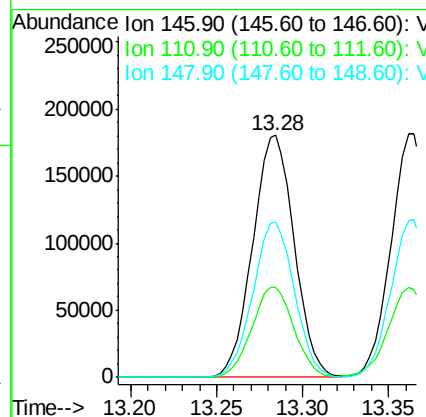
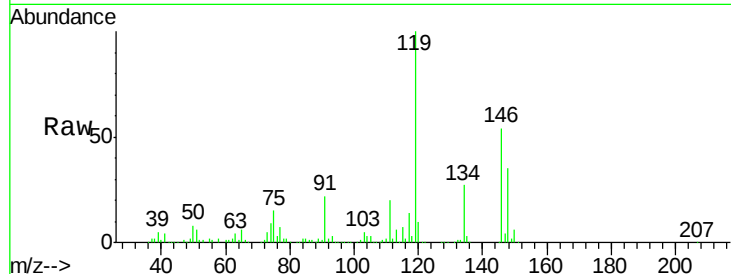
#87
 1,3-Dichlorobenzene
 Concen: 19.853 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	302188		
111	37.6	18.8	56.3	
148	64.1	32.0	96.2	

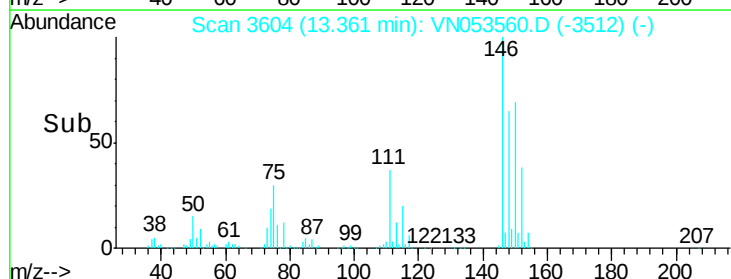
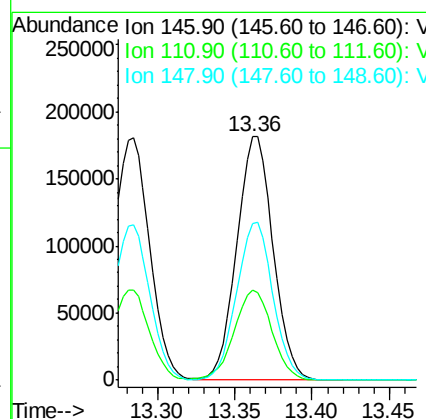
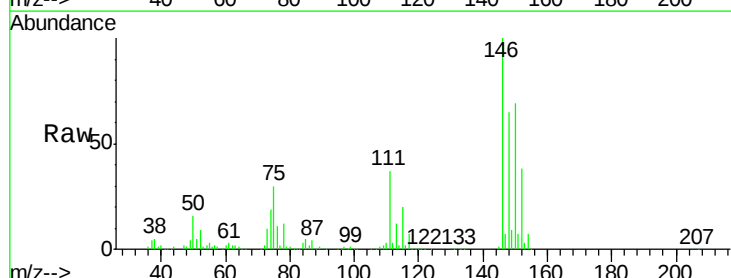
Manual Integrations
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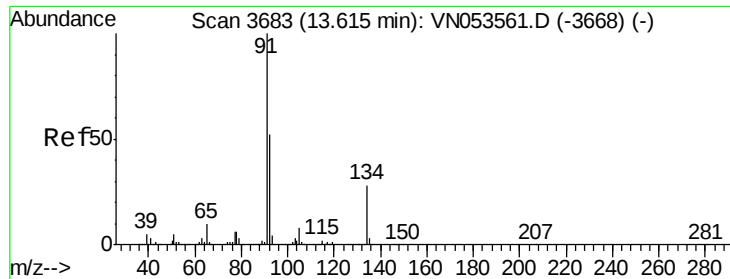
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#88
 1,4-Dichlorobenzene
 Concen: 19.357 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296116		
111	38.5	18.6	55.8	
148	64.8	32.4	97.0	





#89

n-Butylbenzene

Concen: 19.871 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

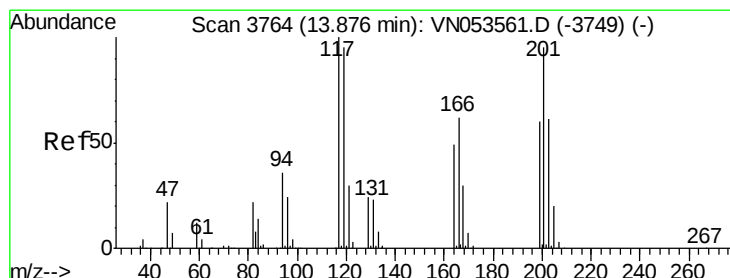
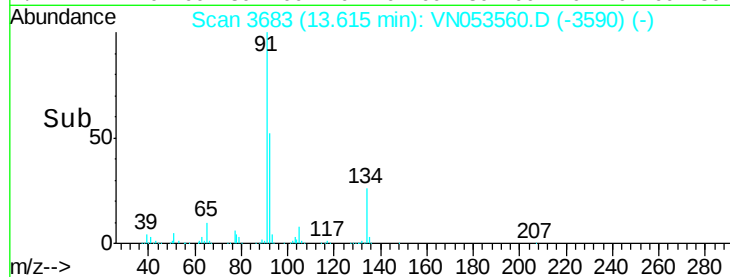
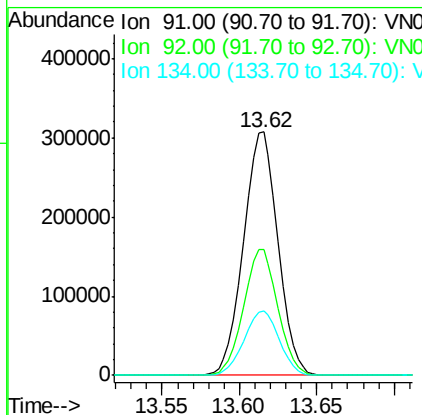
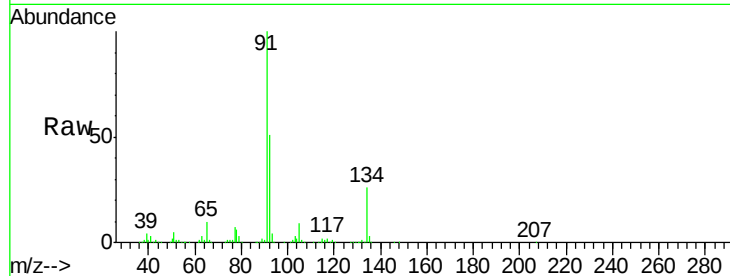
ClientSampleId :

VSTDIC020

Tgt Ion:	91	Resp:	476756
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.3	78.8
134	26.9	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.813 ug/l

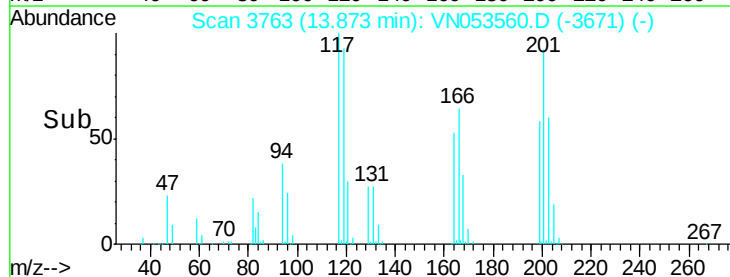
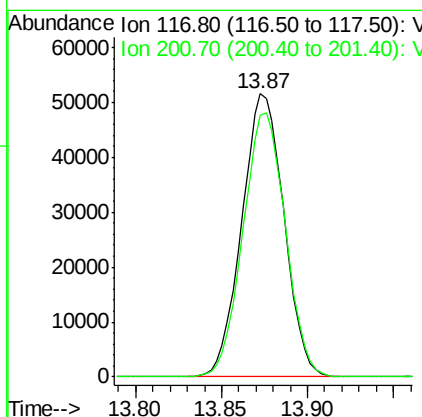
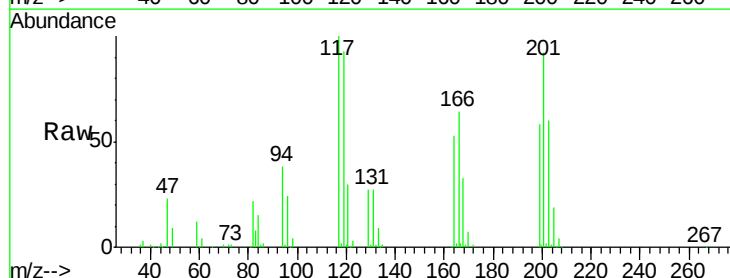
RT: 13.87 min Scan# 3763

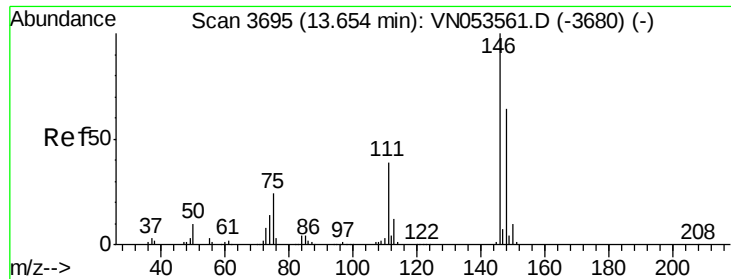
Delta R.T. -0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Tgt Ion:	117	Resp:	87655
Ion	Ratio	Lower	Upper
117	100		
201	93.7	46.8	140.4





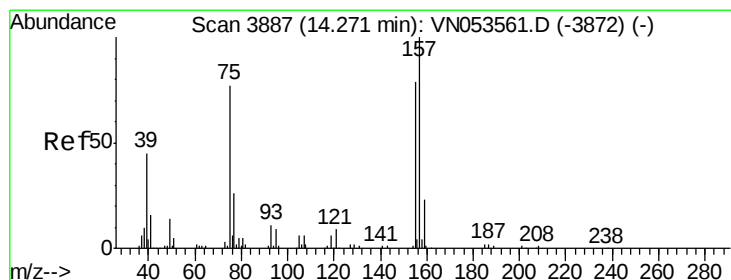
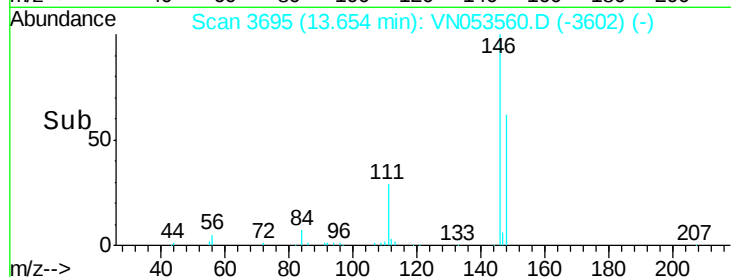
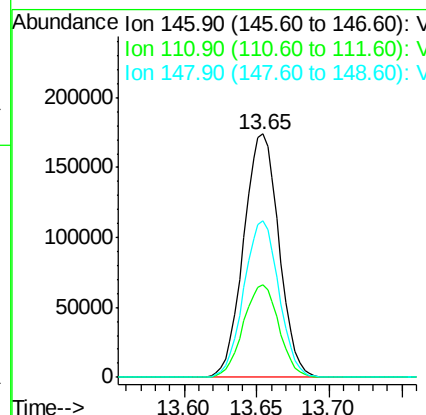
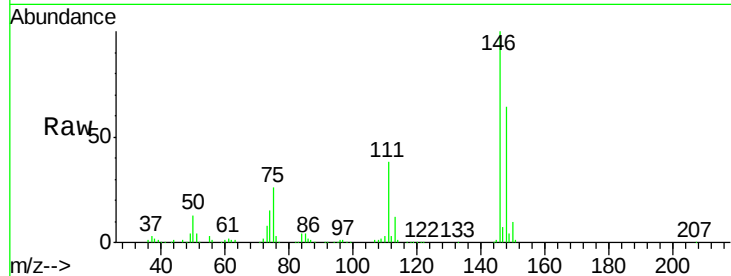
#91
 1,2-Dichlorobenzene
 Concen: 20.910 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.5	58.5
148	63.7	31.9	95.9

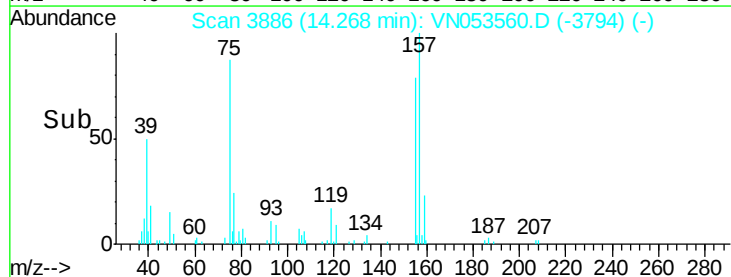
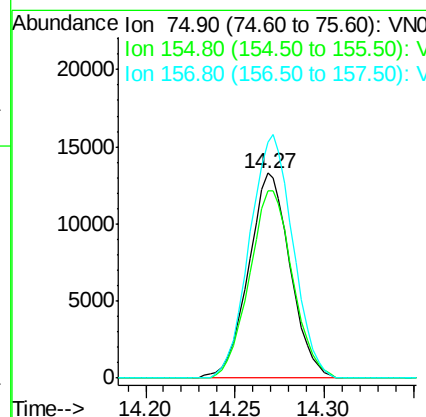
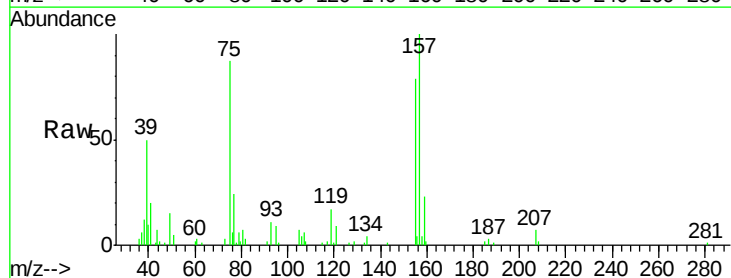
Manual Integrations
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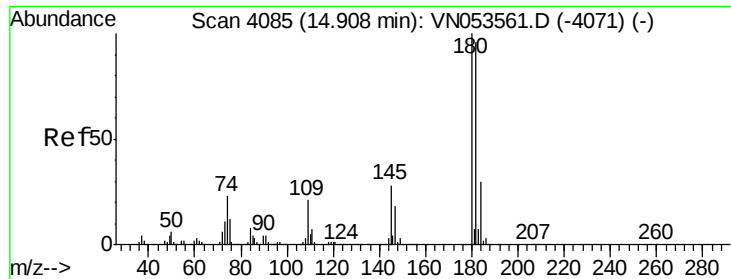
MMDadoda
 2/1/2019 9:18:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.890 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053560.D
 Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.9	146.7
157	123.1	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 28.378 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053560.D

Acq: 30 Jan 2019 9:46

Instrument :

MSVOA_N

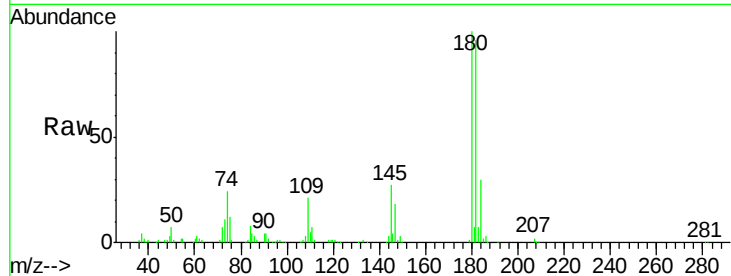
ClientSampled :

VSTDIC020

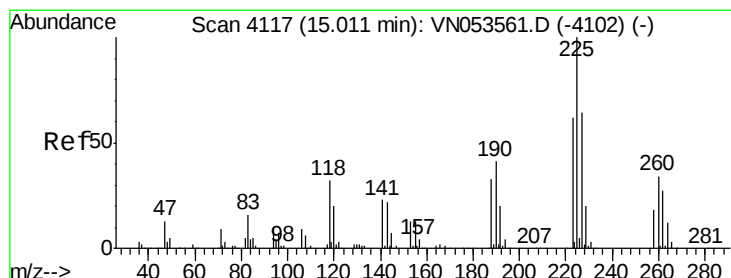
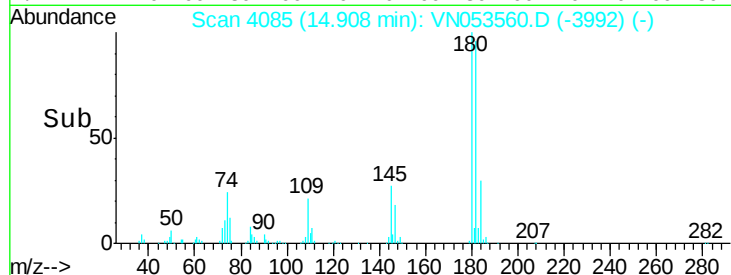
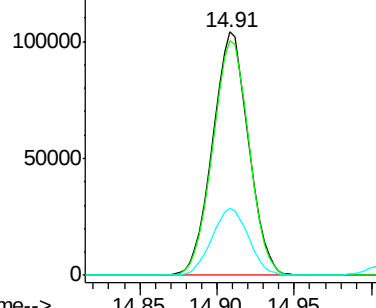
Tgt Ion:	180	Resp:	168653
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.1	144.3
145	28.1	13.9	41.6

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 23.387 ug/l

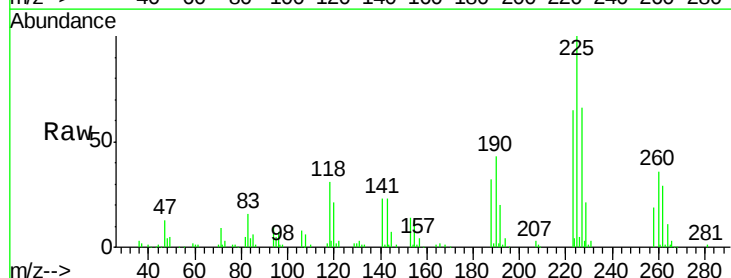
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

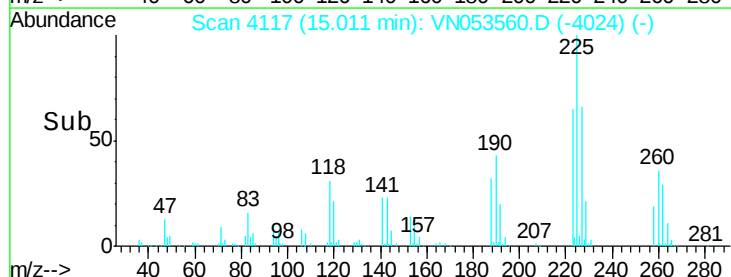
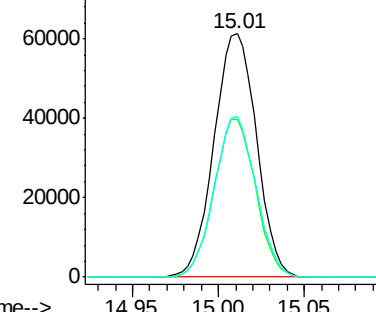
Lab File: VN053560.D

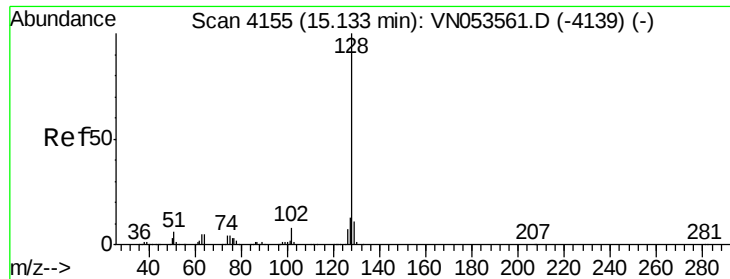
Acq: 30 Jan 2019 9:46

Tgt Ion:	225	Resp:	104955
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.1	93.2
227	64.4	32.0	96.2



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





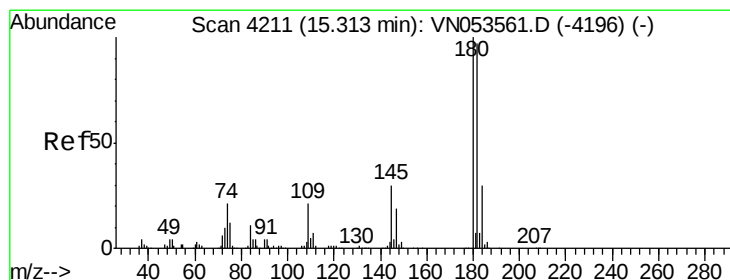
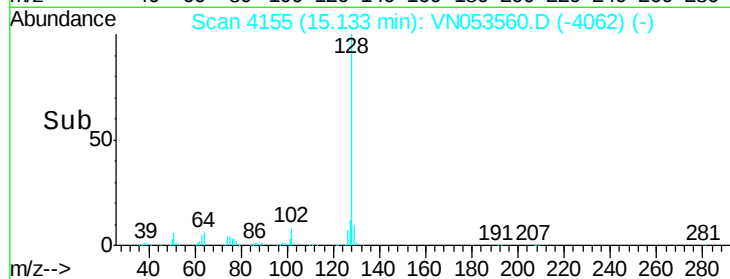
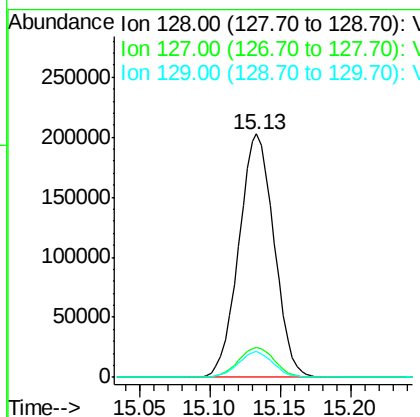
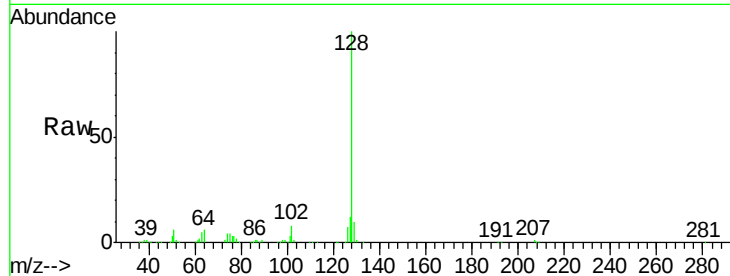
#95
Naphthalene
Concen: 33.659 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	354529		
127	12.6	10.3	15.5	
129	10.4	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 35.432 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053560.D
Acq: 30 Jan 2019 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160792		
182	96.2	47.9	143.8	
145	29.9	14.7	44.1	

