

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
 Data File : VN053573.D
 Acq On : 1 Feb 2019 13:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:49:17 AM

Quant Time: Feb 01 22:59:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	762744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1125089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	990551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	368471	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.59	113	354463	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1325621	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	445235	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	422504	49.140	ug/l	99
3) Chloromethane	2.06	50	411308	45.422	ug/l	100
4) Vinyl Chloride	2.19	62	420035	47.784	ug/l	100
5) Bromomethane	2.57	94	264084	45.947	ug/l	99
6) Chloroethane	2.70	64	234669	46.716	ug/l	98
7) Trichlorofluoromethane	3.02	101	573632	48.122	ug/l	99
8) Diethyl Ether	3.41	74	203017	46.634	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	366141	49.665	ug/l	99
10) Methyl Iodide	3.95	142	528633	45.685	ug/l	100
11) Tert butyl alcohol	4.79	59	110928	244.954	ug/l	99
12) 1,1-Dichloroethene	3.74	96	333824	47.262	ug/l	99
13) Acrolein	3.61	56	36706	148.873	ug/l	98
14) Allyl chloride	4.32	41	530777	47.196	ug/l	99
15) Acrylonitrile	4.99	53	590443	241.517	ug/l	99
16) Acetone	3.82	43	502454	256.001	ug/l	98
17) Carbon Disulfide	4.05	76	1019310	46.346	ug/l	100
18) Methyl Acetate	4.32	43	264707	45.540	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	864724	48.294	ug/l	99
20) Methylene Chloride	4.55	84	370478	44.992	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	360957	47.368	ug/l	98
22) Diisopropyl ether	5.95	45	1030975	49.475	ug/l	97
23) Vinyl Acetate	5.89	43	3585756	248.743	ug/l	99
24) 1,1-Dichloroethane	5.85	63	645780	46.463	ug/l	100
25) 2-Butanone	6.84	43	697883	249.311	ug/l	100
26) 2,2-Dichloropropane	6.82	77	496674	46.812	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	401051	47.331	ug/l	98
28) Bromochloromethane	7.19	49	293721	48.698	ug/l	97
29) Tetrahydrofuran	7.21	42	441319	245.521	ug/l	99
30) Chloroform	7.37	83	643118	46.678	ug/l	100
31) Cyclohexane	7.65	56	613131	47.372	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	539554	47.057	ug/l	100
36) 1,1-Dichloropropene	7.79	75	503307	49.626	ug/l	99
37) Ethyl Acetate	6.93	43	287953	50.836	ug/l	100
38) Carbon Tetrachloride	7.77	117	488571	47.820	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627637	52.162	ug/l	100
40) Benzene	8.04	78	1510826	48.307	ug/l	99
41) Methacrylonitrile	7.17	41	165892	52.402	ug/l	95
42) 1,2-Dichloroethane	8.12	62	446384	48.069	ug/l	100
43) Isopropyl Acetate	8.16	43	507653	46.407	ug/l #	88
44) Trichloroethene	8.83	130	430821	48.386	ug/l	98
45) 1,2-Dichloropropane	9.12	63	389560	48.699	ug/l	99
46) Dibromomethane	9.21	93	227408	47.159	ug/l	97
47) Bromodichloromethane	9.40	83	491703	49.042	ug/l	100
48) Methyl methacrylate	9.20	41	247450	47.389	ug/l	94
49) 1,4-Dioxane	9.20	88	71531	947.537	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1359809	252.966	ug/l	100
52) Toluene	10.16	92	922099	49.678	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	490405	48.846	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	582119	48.930	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	327925	49.028	ug/l	99
56) Ethyl methacrylate	10.43	69	398464	50.359	ug/l	99
57) 1,3-Dichloropropane	10.71	76	555141	48.564	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1030972	211.374	ug/l	99
59) 2-Hexanone	10.75	43	918687	251.747	ug/l	99
60) Dibromochloromethane	10.90	129	373508	49.520	ug/l	99
61) 1,2-Dibromoethane	11.00	107	315601	47.673	ug/l	100
64) Tetrachloroethene	10.63	164	412123	48.535	ug/l	99
65) Chlorobenzene	11.43	112	1011507	48.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357802	48.693	ug/l	99
67) Ethyl Benzene	11.51	91	1694833	49.036	ug/l	100
68) m/p-Xylenes	11.62	106	1318290	99.936	ug/l	100
69) o-Xylene	11.95	106	630233	49.453	ug/l	100
70) Styrene	11.96	104	1042564	50.473	ug/l	100
71) Bromoform	12.13	173	252679	50.158	ug/l #	99
73) Isopropylbenzene	12.25	105	1644906	48.145	ug/l	100
74) N-amyl acetate	12.07	43	382781	46.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	373314	45.655	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	307291m	49.225	ug/l	
77) Bromobenzene	12.53	156	440238	47.810	ug/l	97
78) n-propylbenzene	12.59	91	1965583	49.766	ug/l	100
79) 2-Chlorotoluene	12.67	91	1137635	48.550	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1426968	50.366	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104615	47.123	ug/l	98
82) 4-Chlorotoluene	12.77	91	1170121	48.664	ug/l	100
83) tert-Butylbenzene	12.99	119	1223937	48.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1454043	50.374	ug/l	100
85) sec-Butylbenzene	13.17	105	1696313	49.782	ug/l	100
86) p-Isopropyltoluene	13.29	119	1516760	50.895	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	793823	47.957	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	776370	47.415	ug/l	100
89) n-Butylbenzene	13.62	91	1326329	51.418	ug/l	100
90) Hexachloroethane	13.87	117	236375	48.086	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	746652	47.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55366	47.511	ug/l	98

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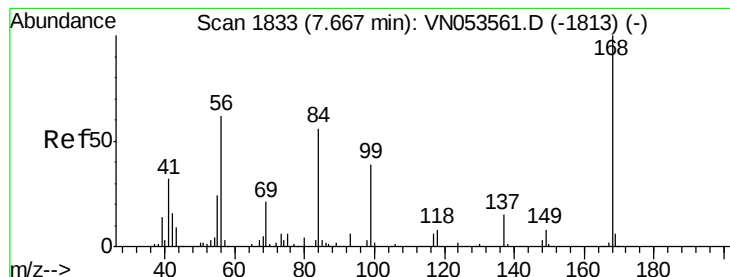
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	475593	52.329	ug/l	100
94) Hexachlorobutadiene	15.01	225	285528	50.447	ug/l	99
95) Naphthalene	15.13	128	981957	46.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	443479	52.588	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 762744

Ion Ratio Lower Upper

168 100

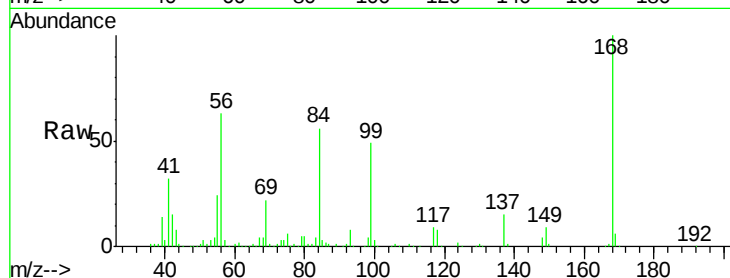
99 47.6 39.1 58.7

Manual Integrations

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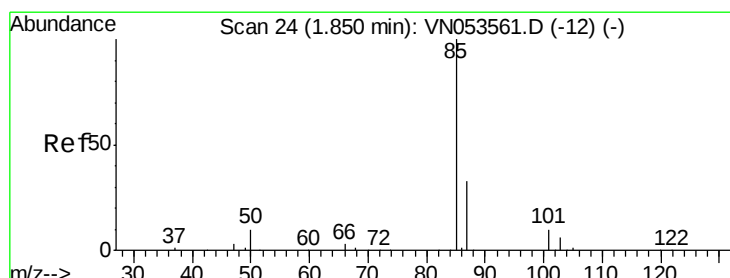
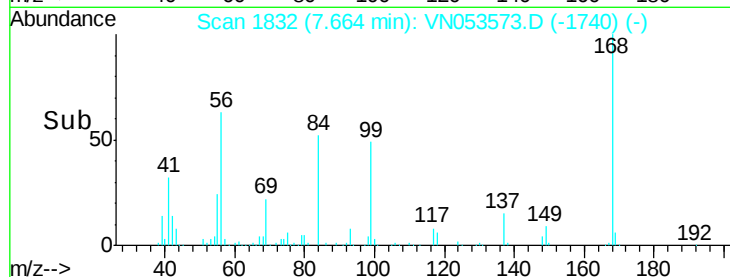
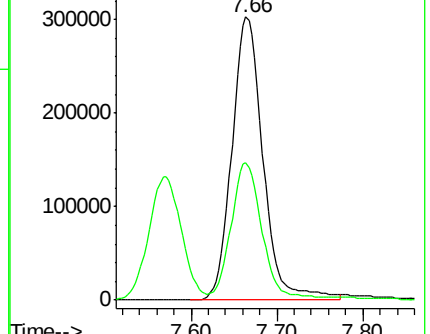
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.140 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053573.D

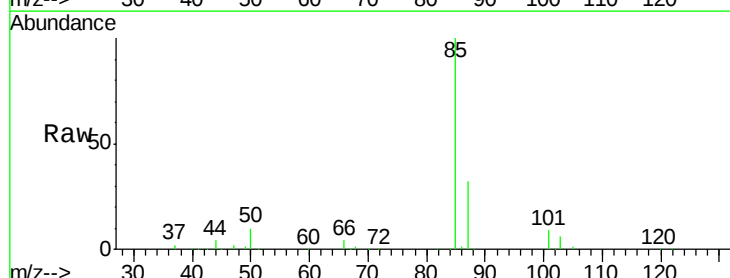
Acq: 1 Feb 2019 13:27

Tgt Ion: 85 Resp: 422504

Ion Ratio Lower Upper

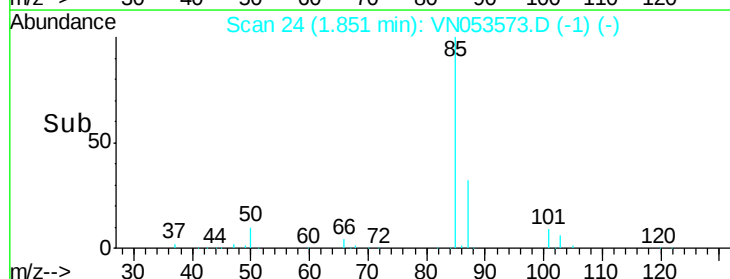
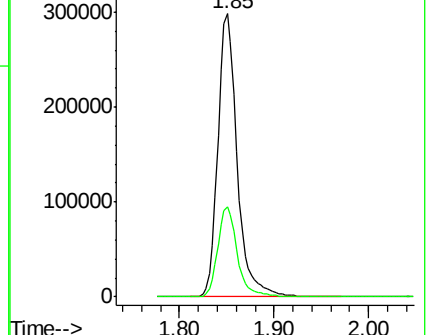
85 100

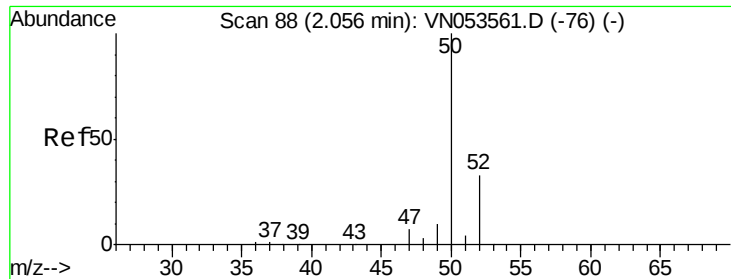
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.422 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 411308

Ion Ratio Lower Upper

50 100

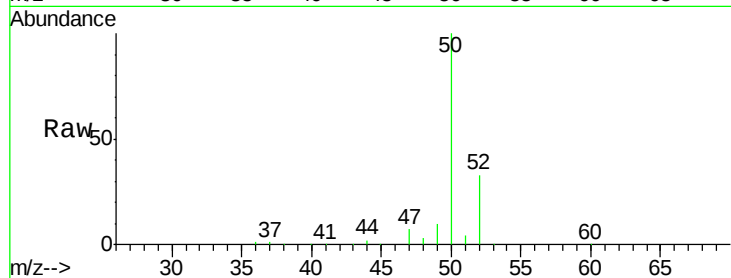
52 33.3 26.6 40.0

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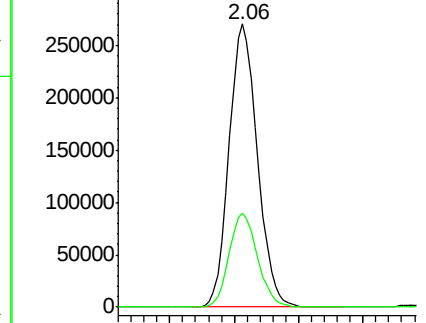
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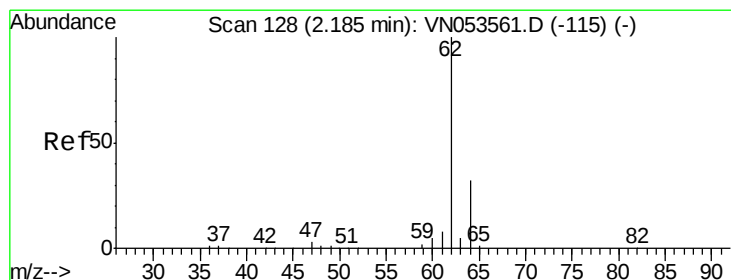
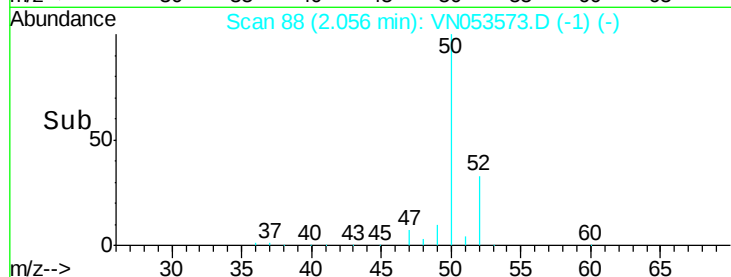


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 47.784 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053573.D

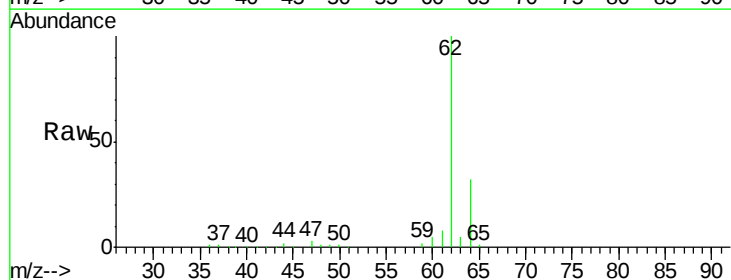
Acq: 1 Feb 2019 13:27

Tgt Ion: 62 Resp: 420035

Ion Ratio Lower Upper

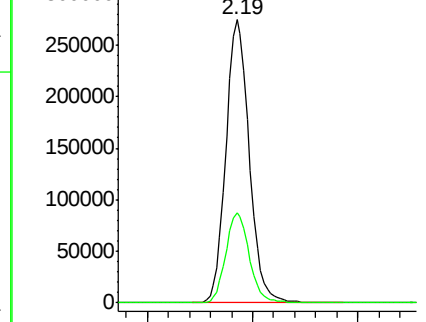
62 100

64 31.9 25.4 38.2

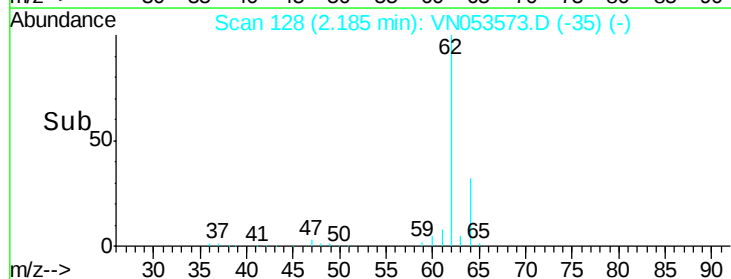


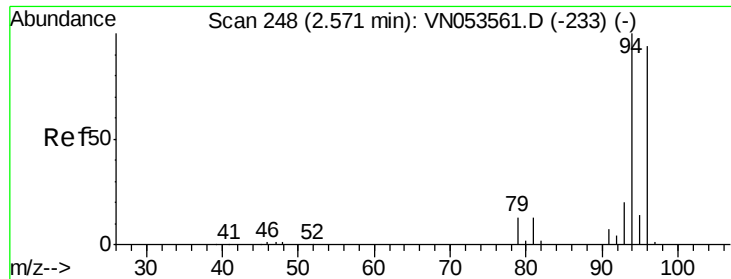
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 45.947 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 264084

Ion Ratio Lower Upper

94 100

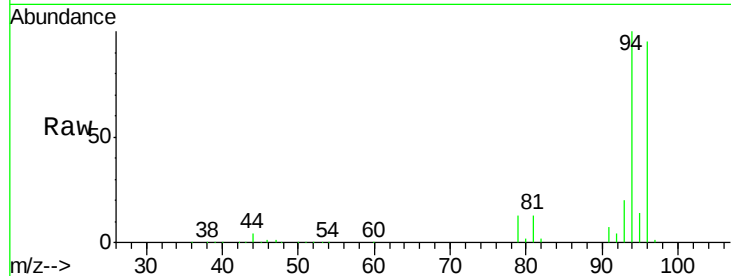
96 95.1 76.8 115.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

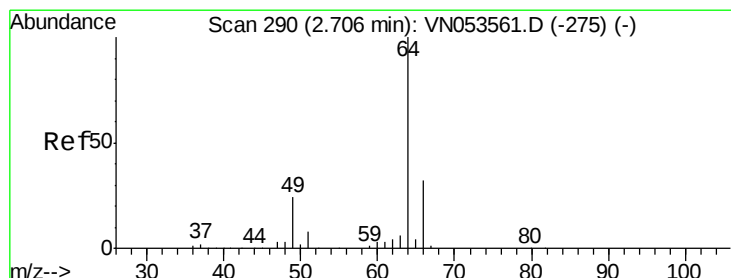
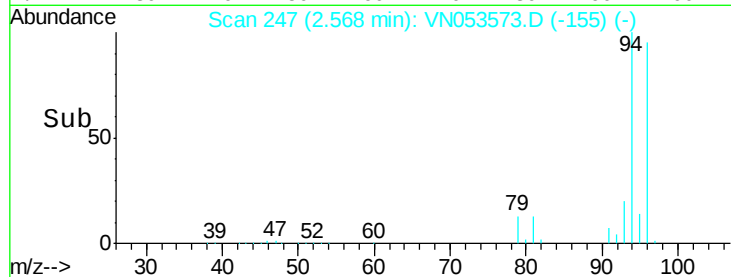
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50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 46.716 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN053573.D

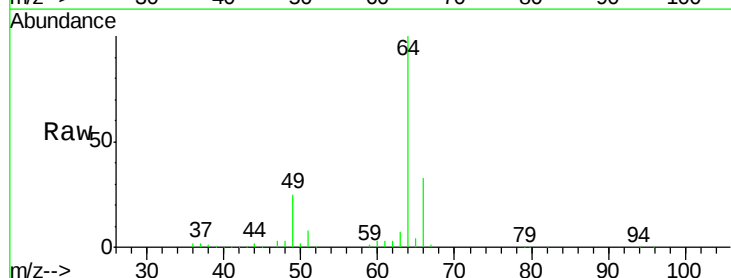
Acq: 1 Feb 2019 13:27

Tgt Ion: 64 Resp: 234669

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

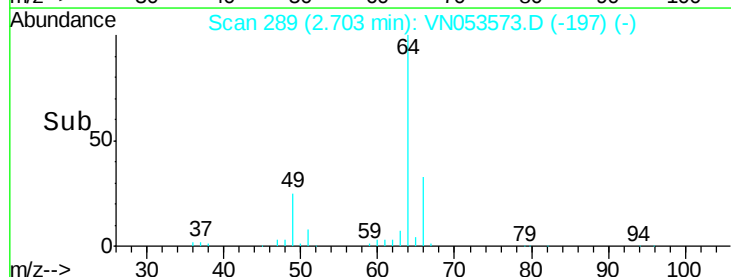
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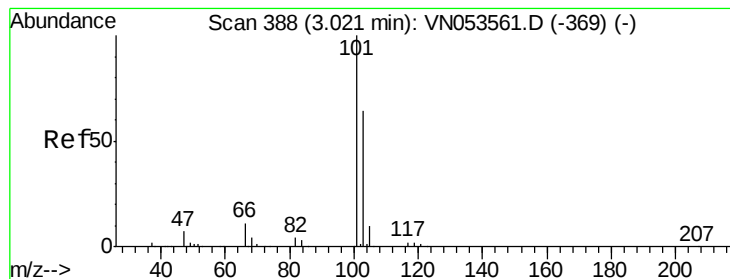
50000

0

2.60 2.70 2.80

Time-->





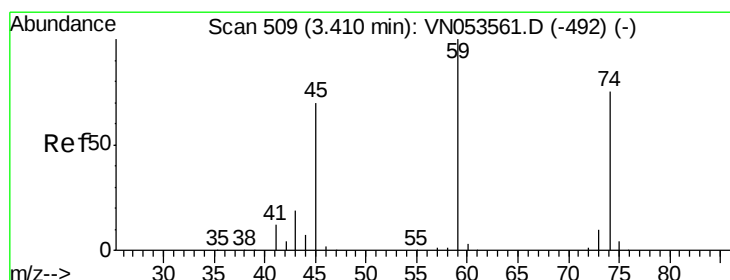
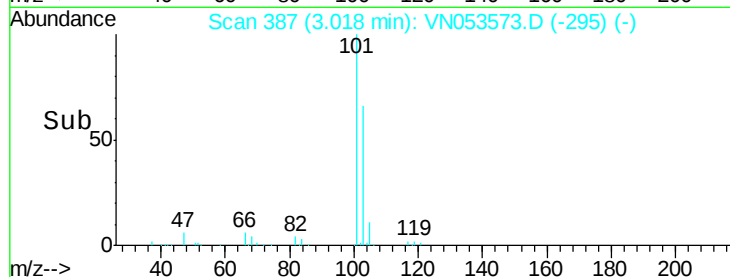
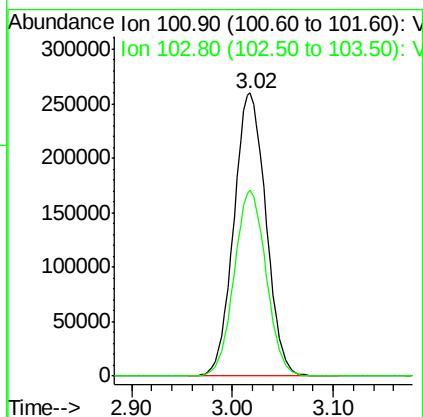
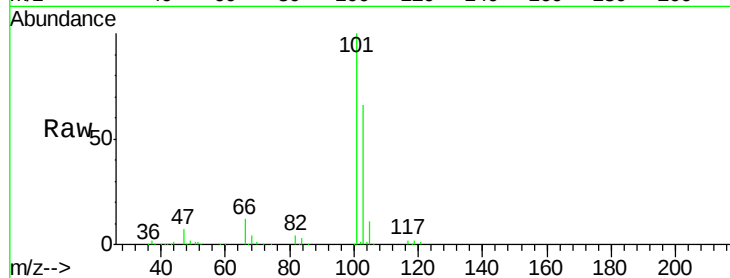
#7
 Trichlorofluoromethane
 Concen: 48.122 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 573632
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.6 77.4

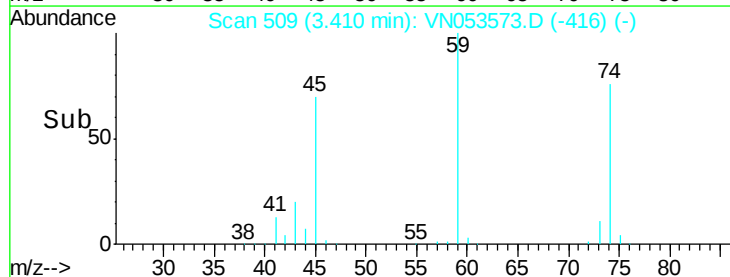
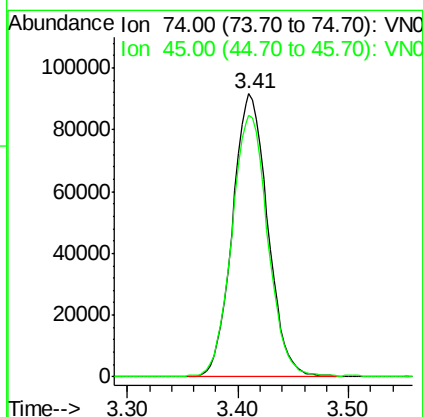
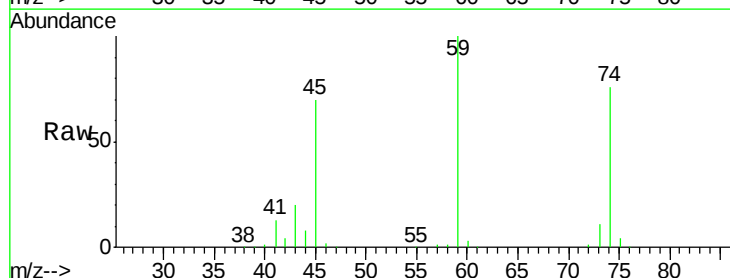
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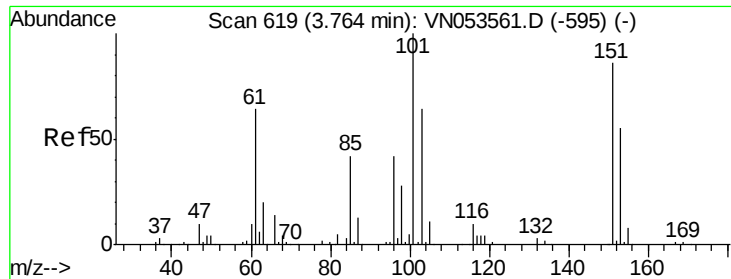
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 2/4/2019 9:49:17 AM



#8
 Diethyl Ether
 Concen: 46.634 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 74 Resp: 203017
 Ion Ratio Lower Upper
 74 100
 45 93.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.665 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

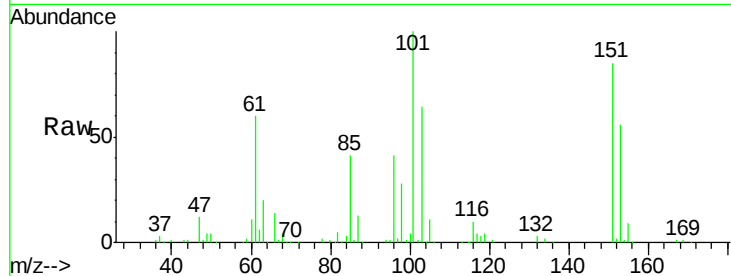
ClientSampleId :

VSTDCCC050

Tgt	Ion	101	Resp:	366141
Ion	Ratio	Lower	Upper	
101	100			
85	41.2	32.8	49.2	
151	84.2	66.9	100.3	

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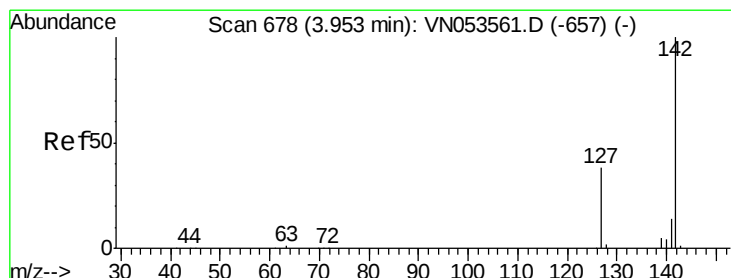
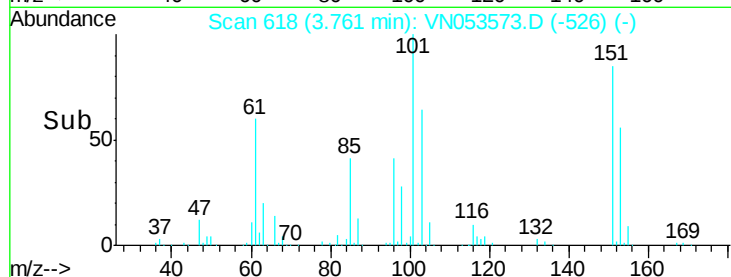
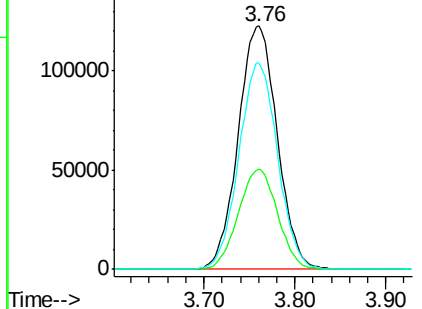
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.685 ug/l

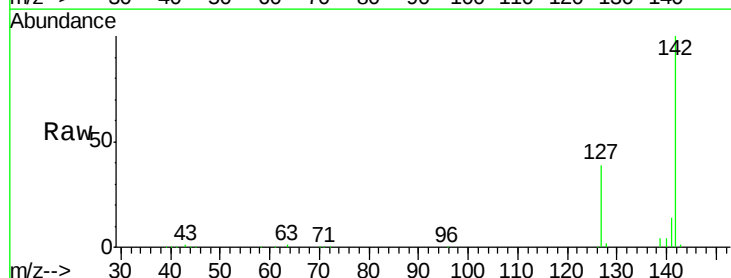
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

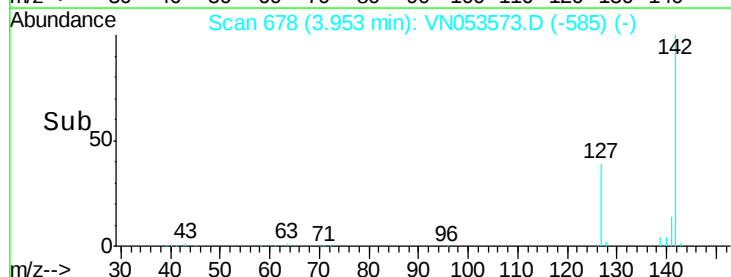
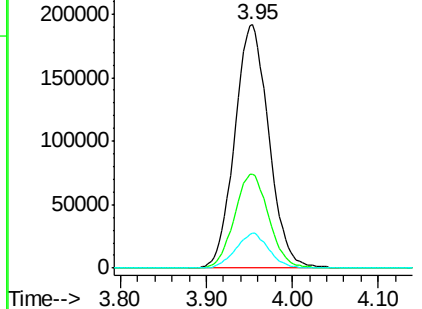
Tgt	Ion	142	Resp:	528633
Ion	Ratio	Lower	Upper	
142	100			
127	38.9	31.0	46.4	
141	14.0	11.1	16.7	

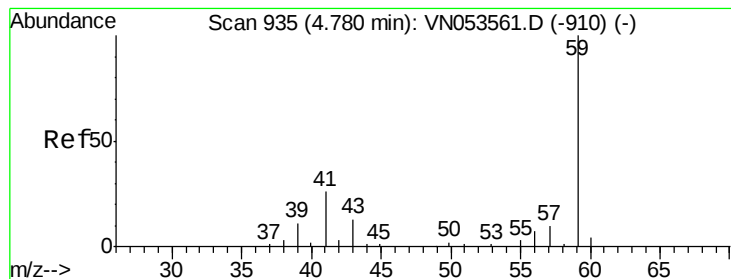


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

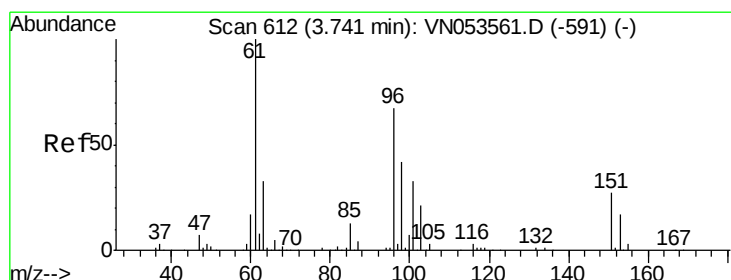
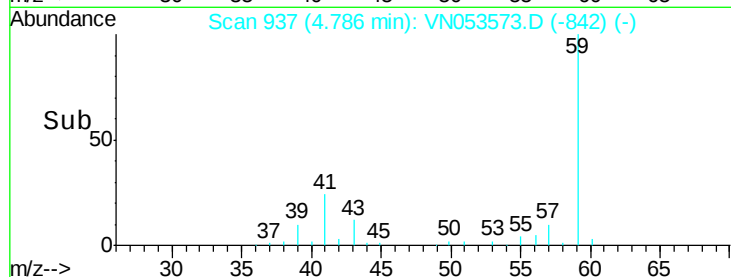
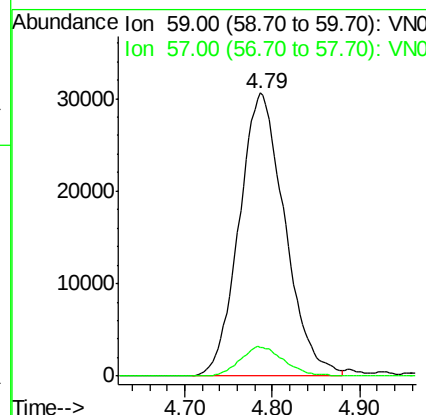
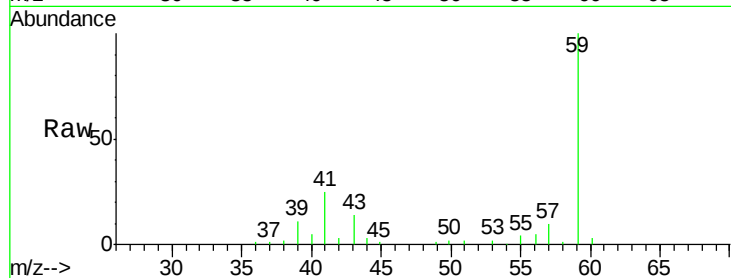
Tert butyl alcohol
Concen: 244.954 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	110928		
57	9.9		8.2	12.4

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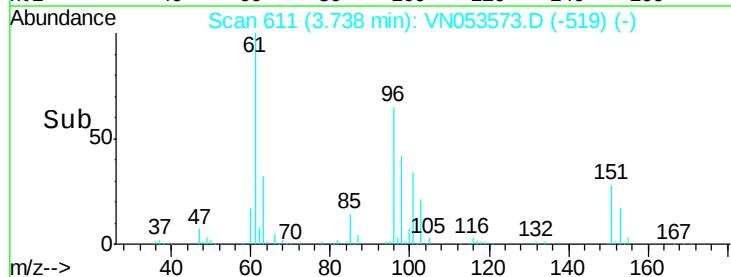
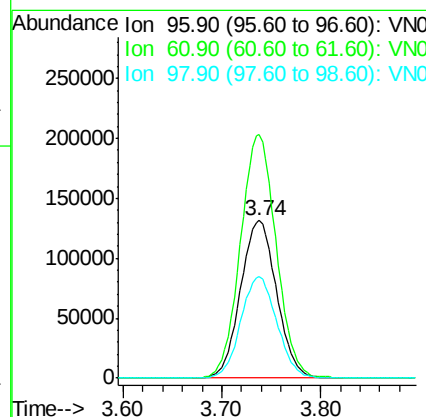
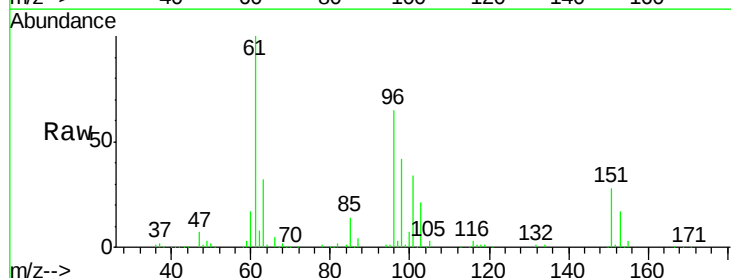
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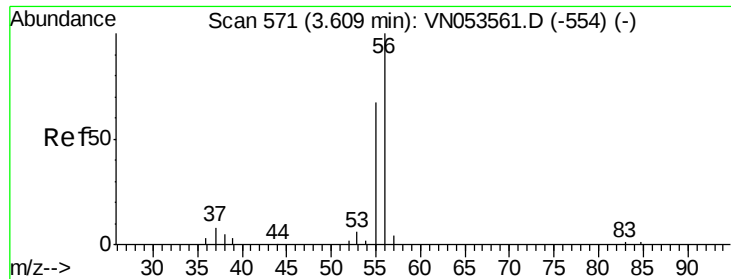


#12

1,1-Dichloroethene
Concen: 47.262 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	333824		
61	154.3		122.9	184.3
98	64.5		49.4	74.0





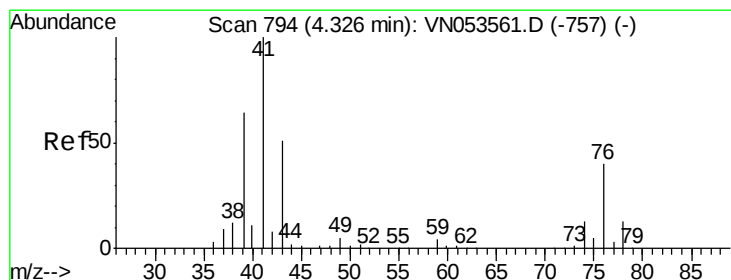
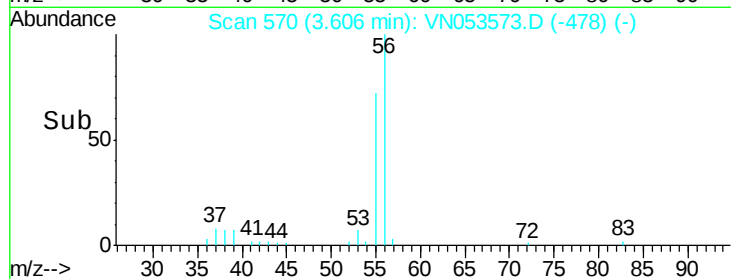
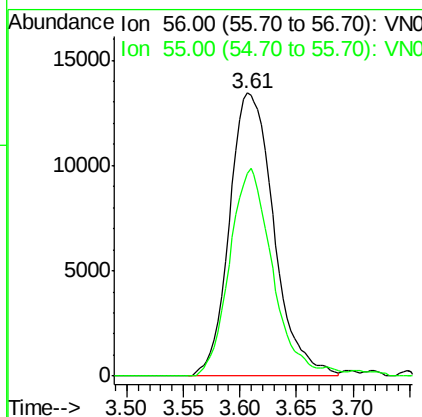
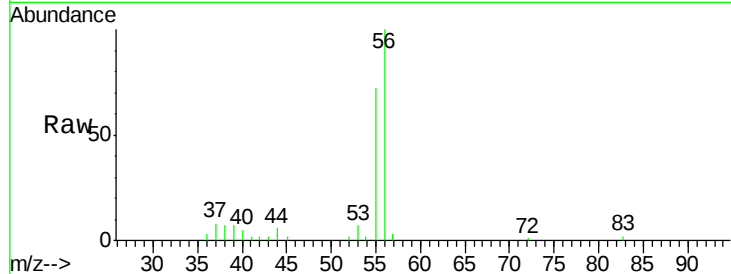
#13
Acrolein
Concen: 148.873 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 36706
Ion Ratio Lower Upper
56 100
55 69.8 57.4 86.0

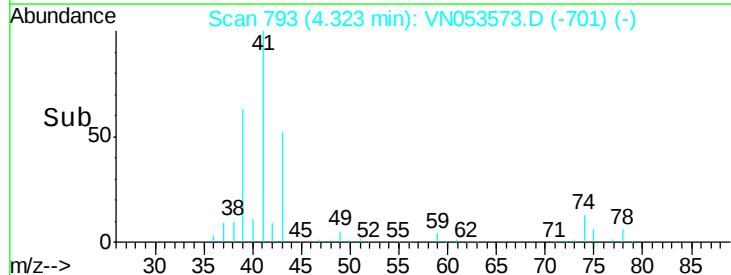
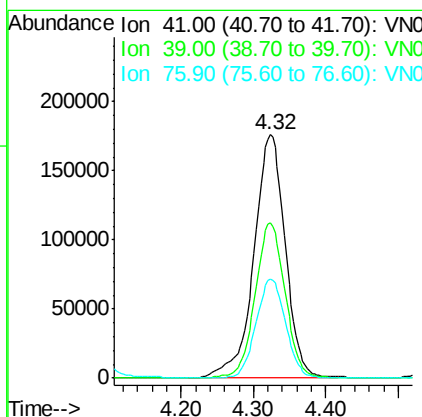
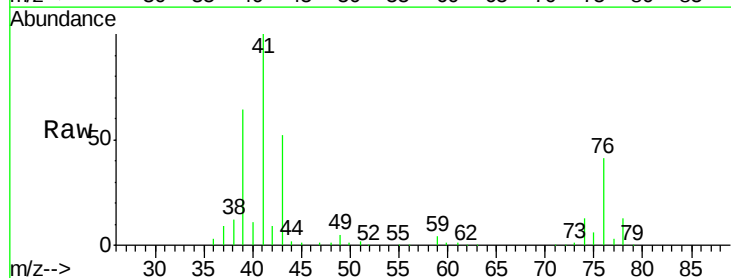
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#14
Allyl chloride
Concen: 47.196 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 41 Resp: 530777
Ion Ratio Lower Upper
41 100
39 61.1 48.9 73.3
76 38.1 29.4 44.2





#15

Acrylonitrile

Concen: 241.517 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

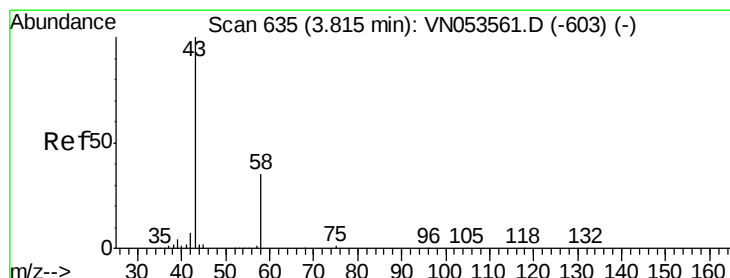
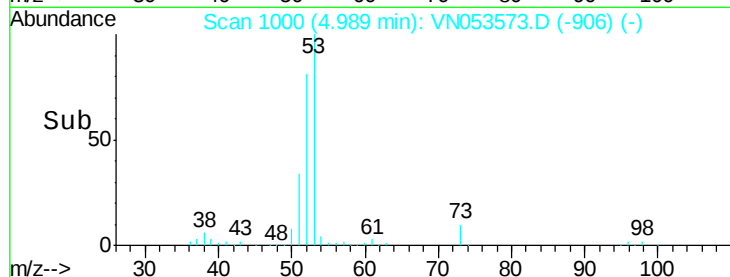
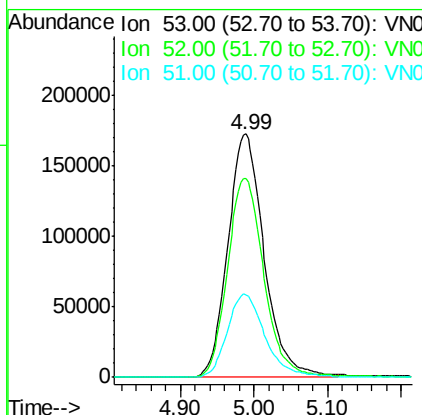
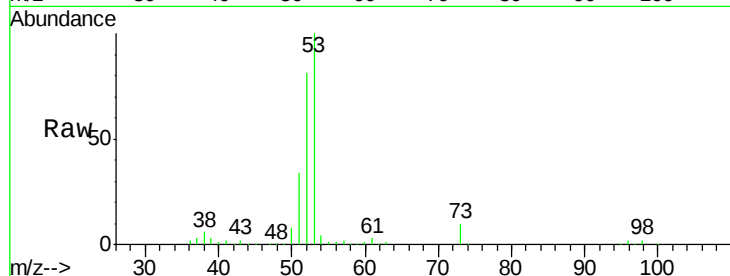
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	590443
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.0	99.0
51	35.8	28.3	42.5

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#16

Acetone

Concen: 256.001 ug/l

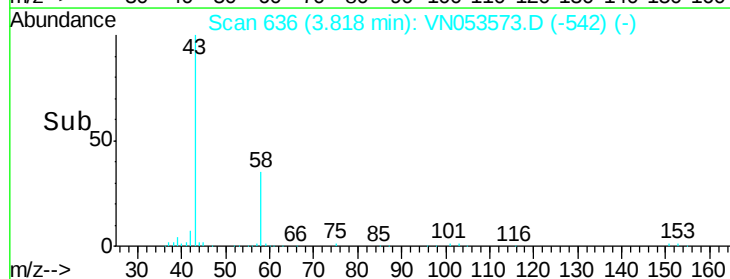
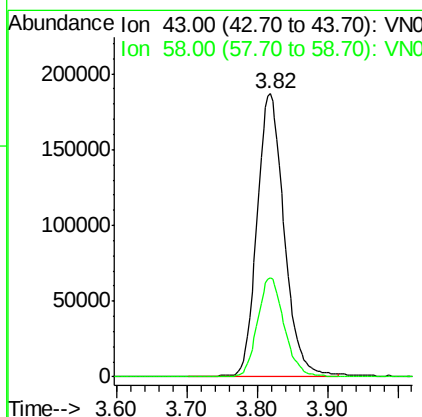
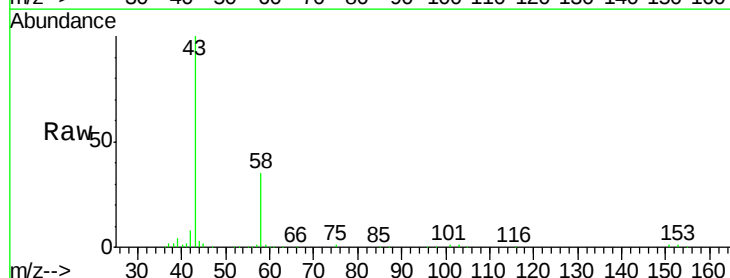
RT: 3.82 min Scan# 636

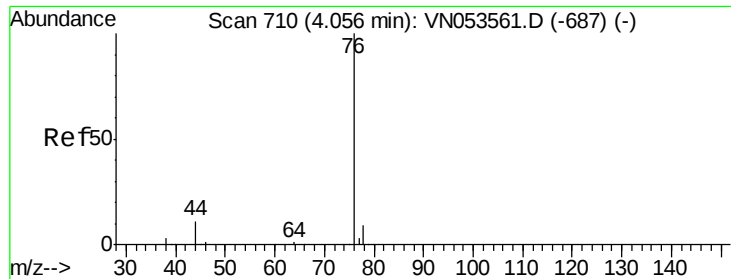
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	43	Resp:	502454
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.1	40.7





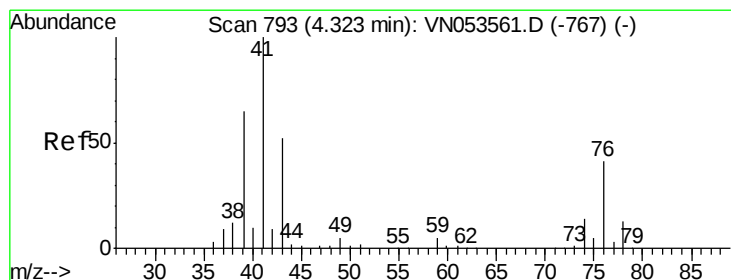
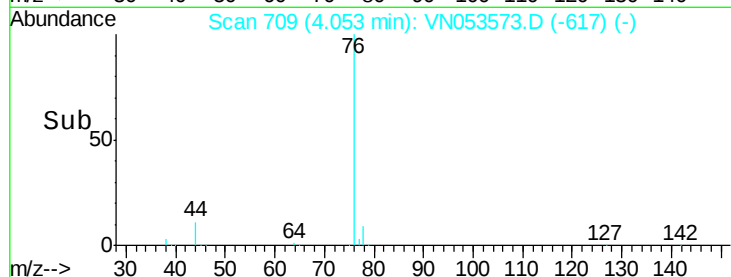
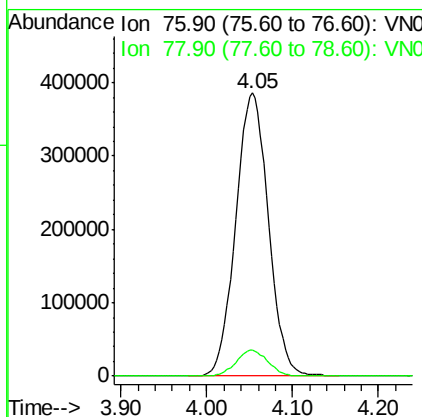
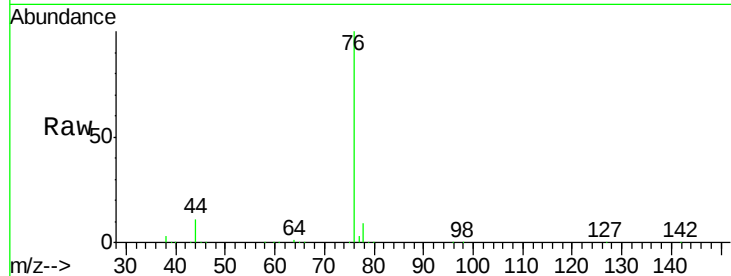
#17
Carbon Disulfide
Concen: 46.346 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1019310
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

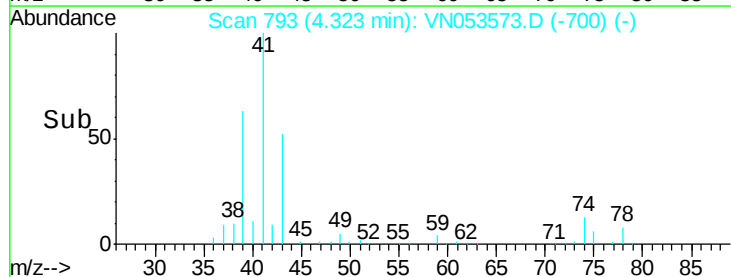
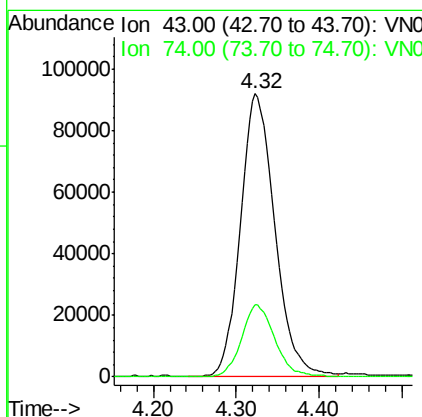
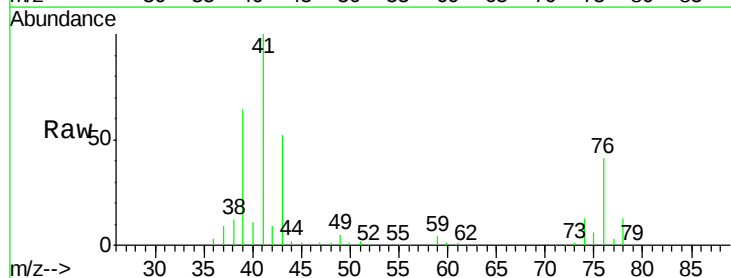
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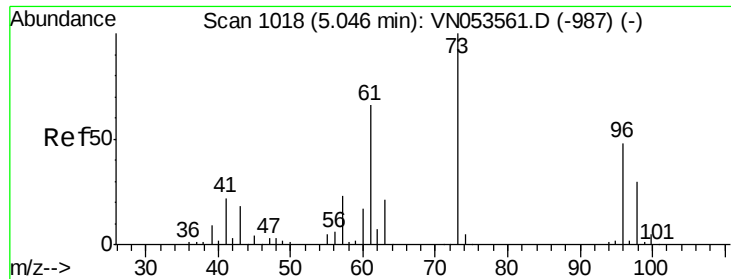
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#18
Methyl Acetate
Concen: 45.540 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 43 Resp: 264707
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2





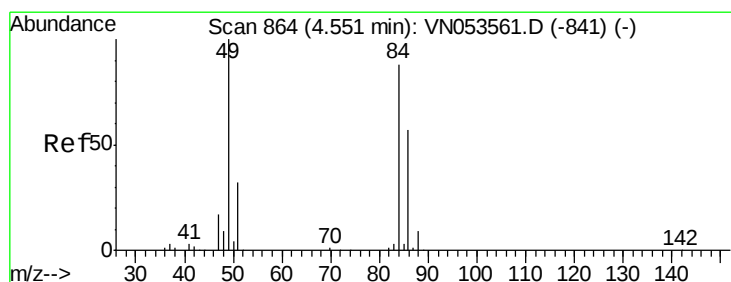
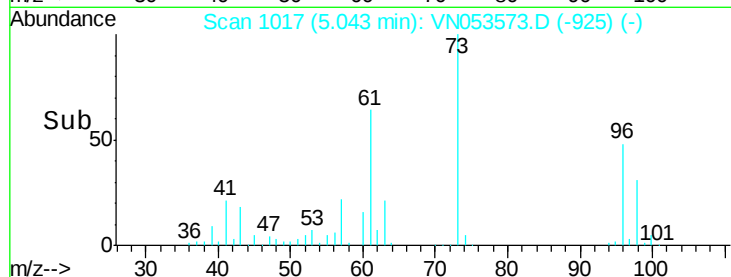
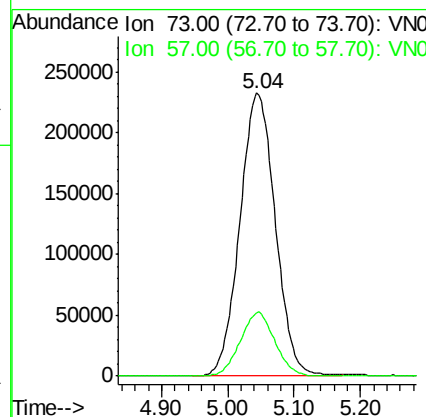
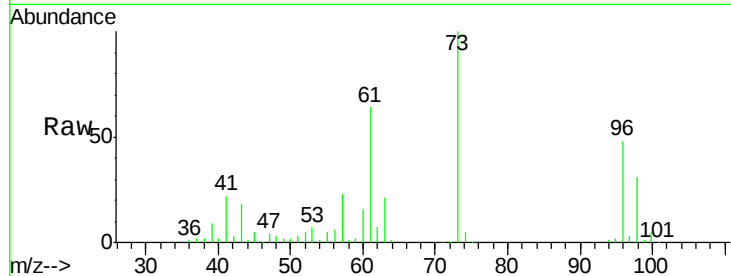
#19
Methyl tert-butyl Ether
Concen: 48.294 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 864724
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

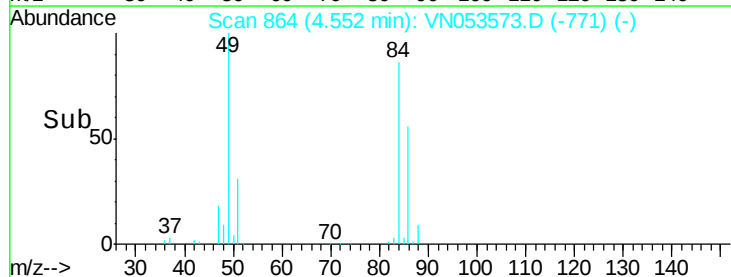
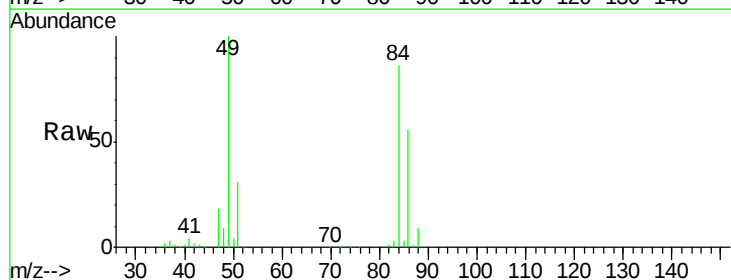
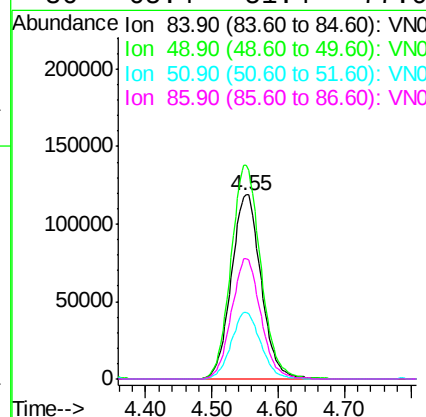
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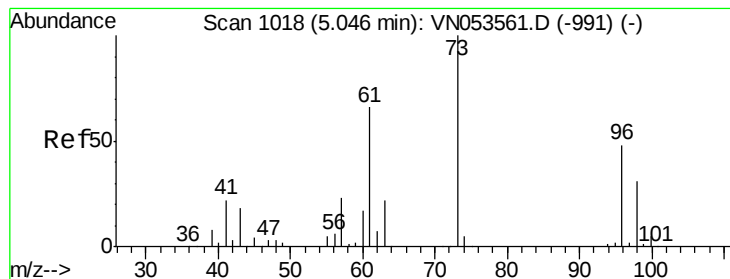
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#20
Methylene Chloride
Concen: 44.992 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 84 Resp: 370478
Ion Ratio Lower Upper
84 100
49 116.0 94.3 141.5
51 36.3 29.4 44.2
86 65.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.368 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 96 Resp: 360957
Ion Ratio Lower Upper

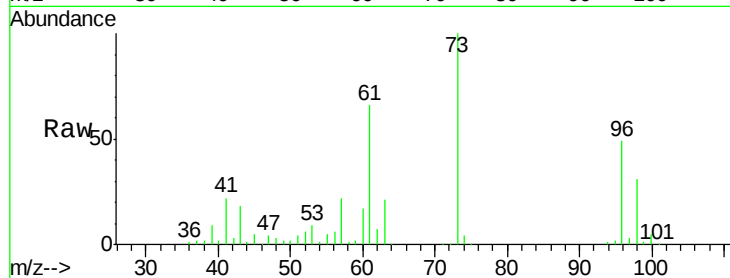
96 100

61 134.9 110.1 165.1

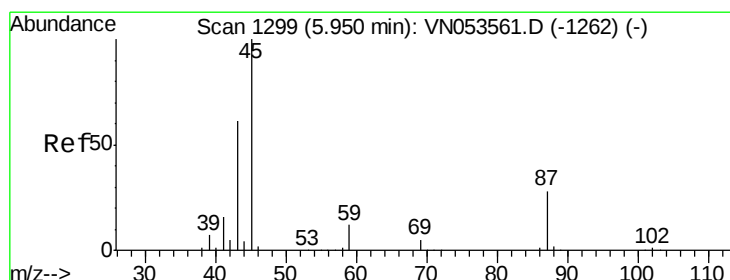
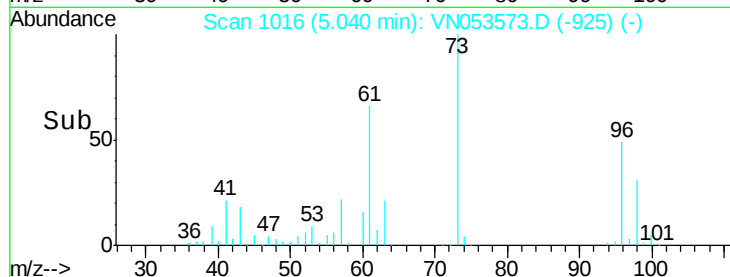
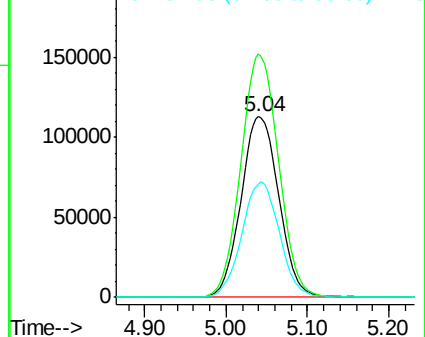
98 62.6 50.0 75.0

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.475 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

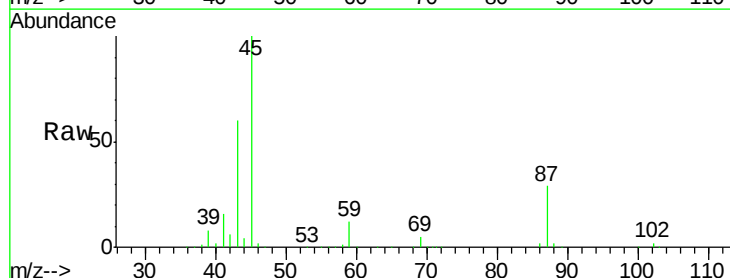
Tgt Ion: 45 Resp: 1030975
Ion Ratio Lower Upper

45 100

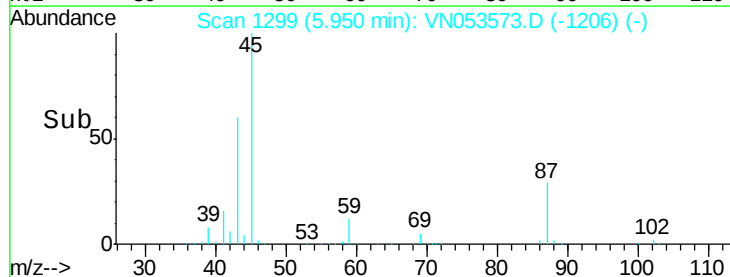
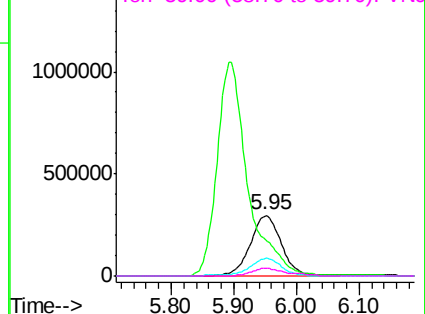
43 58.9 44.2 66.4

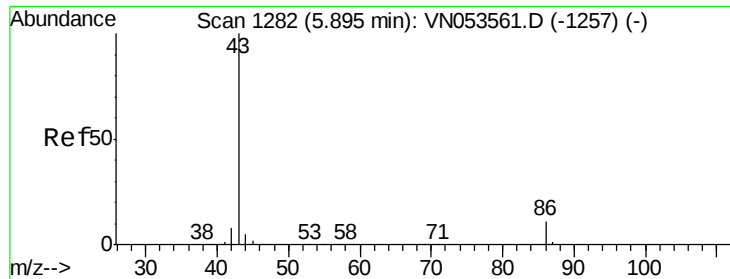
87 28.7 22.7 34.1

59 12.1 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





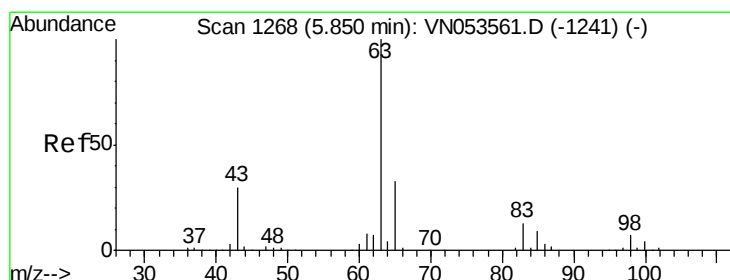
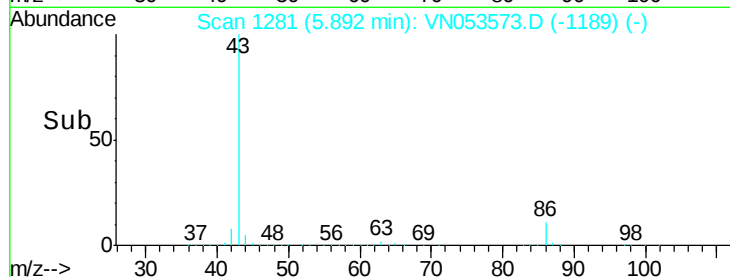
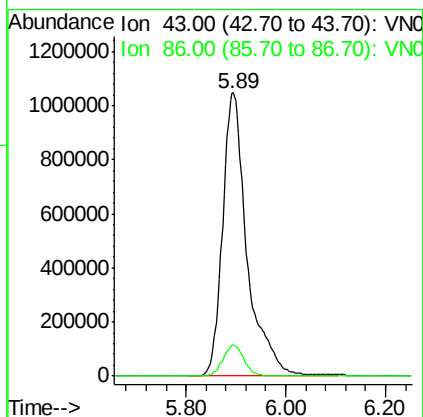
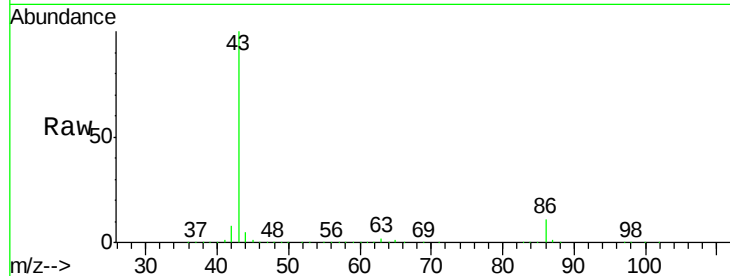
#23
 Vinyl Acetate
 Concen: 248.743 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3585756
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6

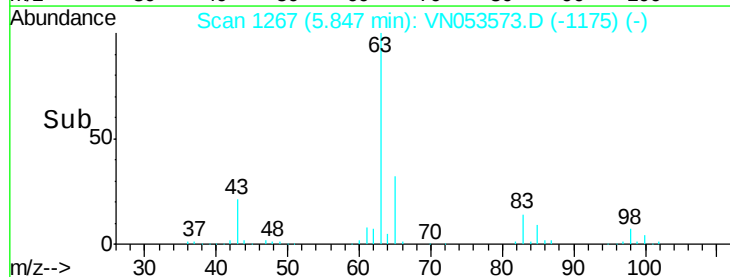
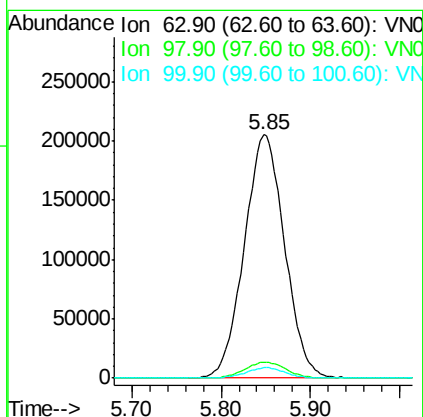
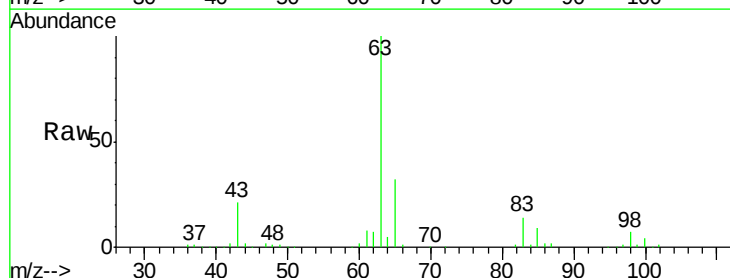
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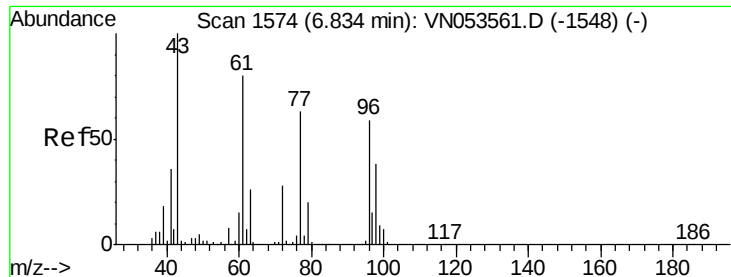
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#24
 1,1-Dichloroethane
 Concen: 46.463 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 63 Resp: 645780
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 249.311 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 43 Resp: 697883

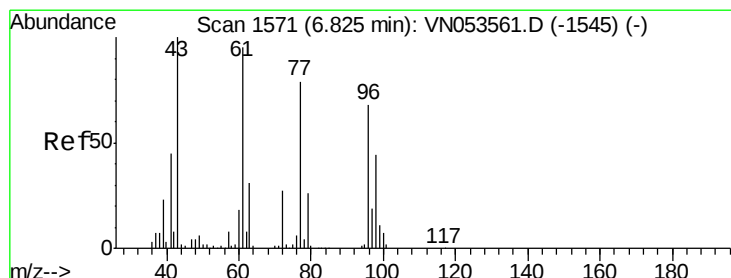
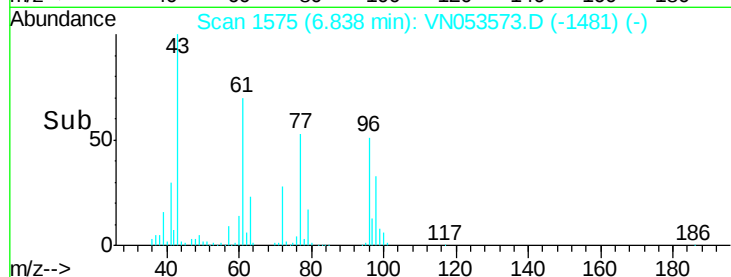
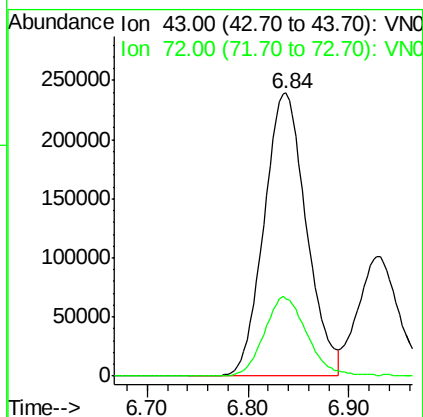
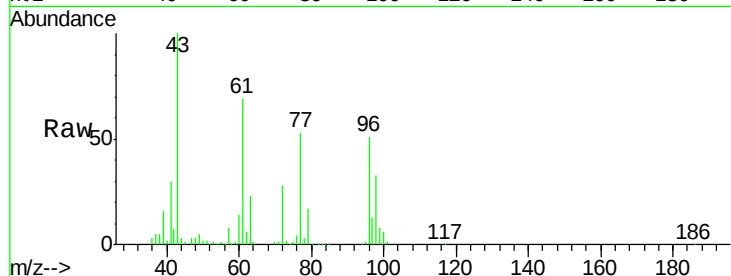
Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 46.812 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053573.D

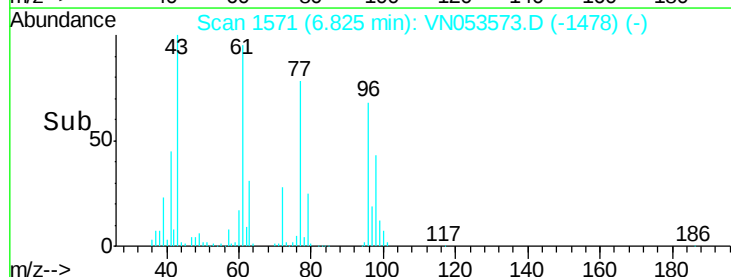
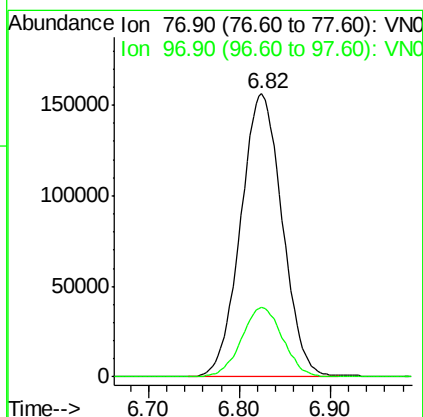
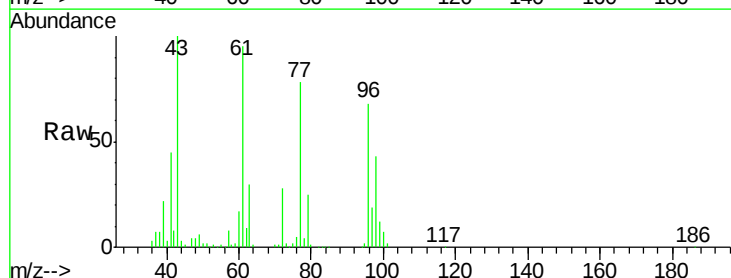
Acq: 1 Feb 2019 13:27

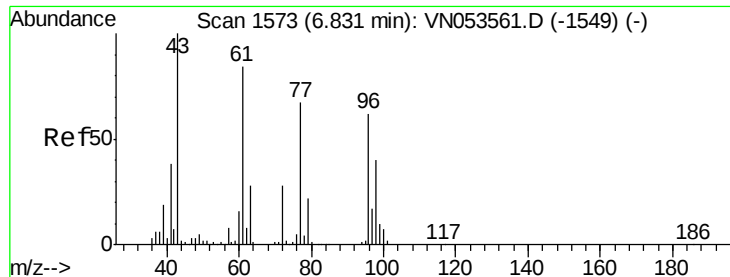
Tgt Ion: 77 Resp: 496674

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.331 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

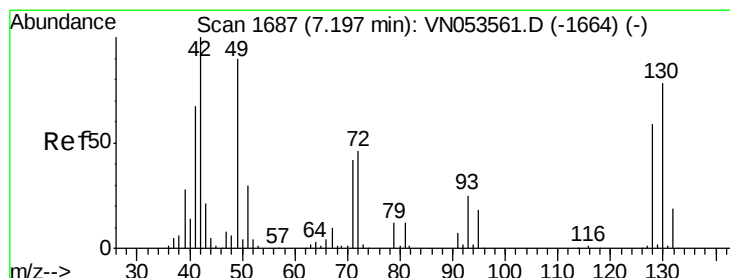
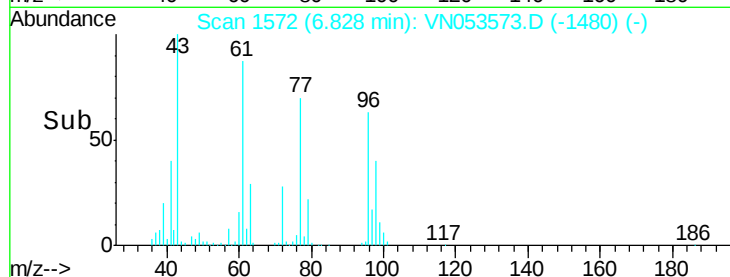
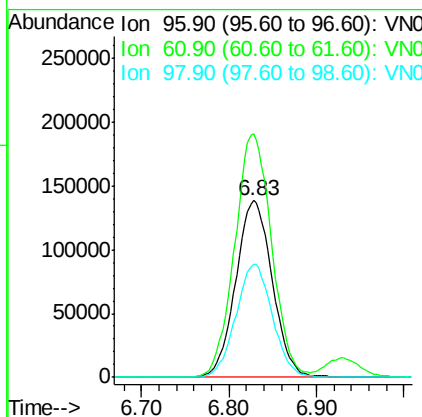
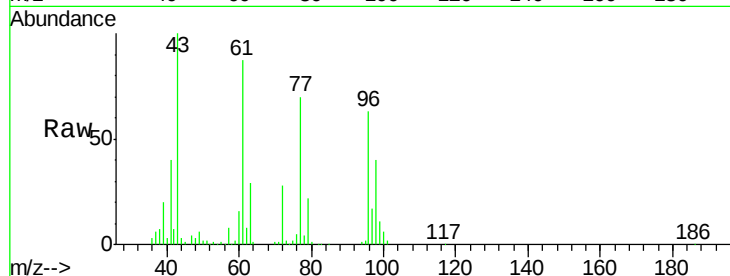
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	401051
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	283.8
98	64.2	0.0	129.2

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#28

Bromochloromethane

Concen: 48.698 ug/l

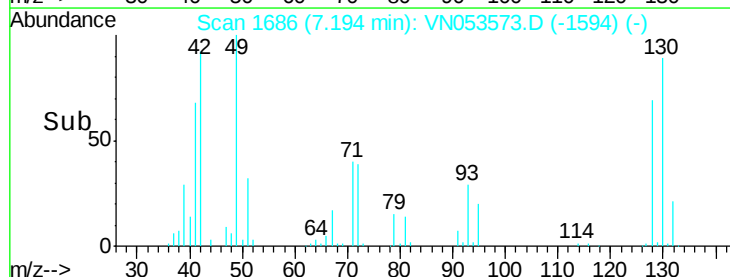
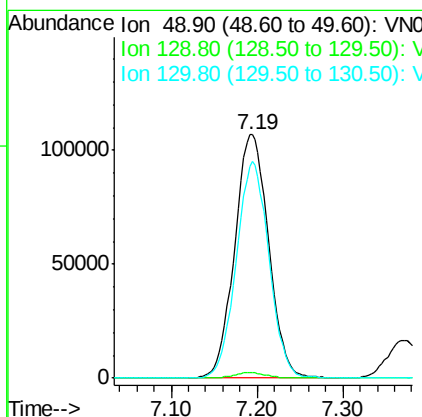
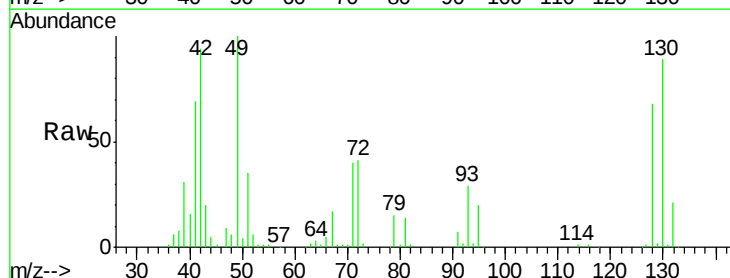
RT: 7.19 min Scan# 1686

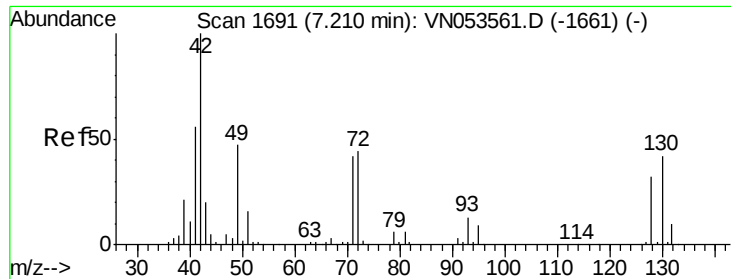
Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	49	Resp:	293721
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	85.8	66.3	99.5





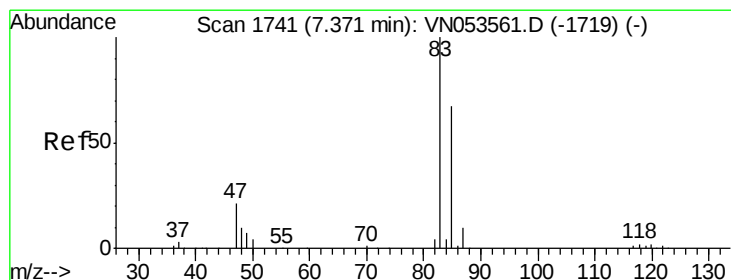
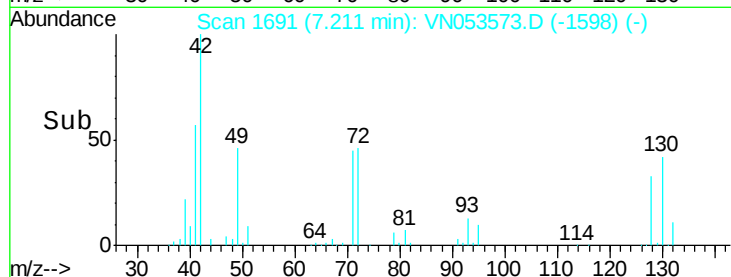
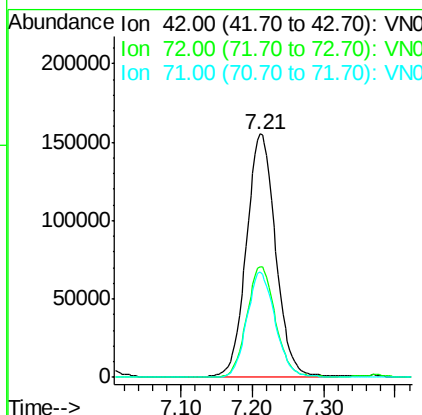
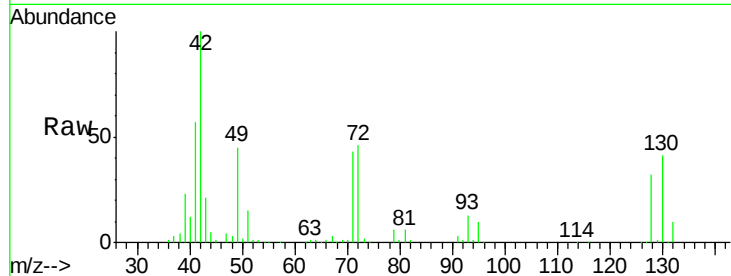
#29
Tetrahydrofuran
Concen: 245.521 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.2	52.8
71	41.9	33.0	49.4

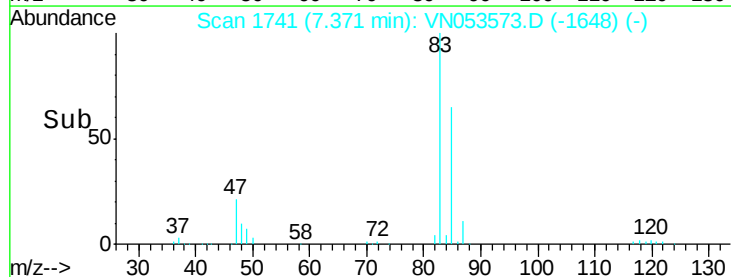
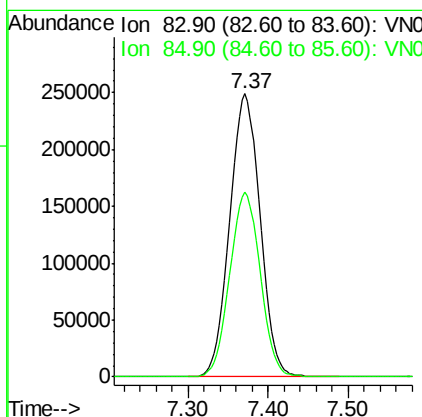
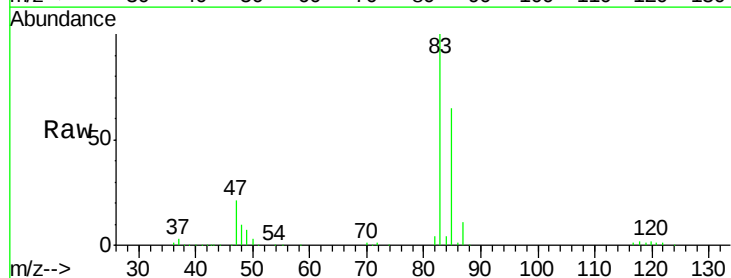
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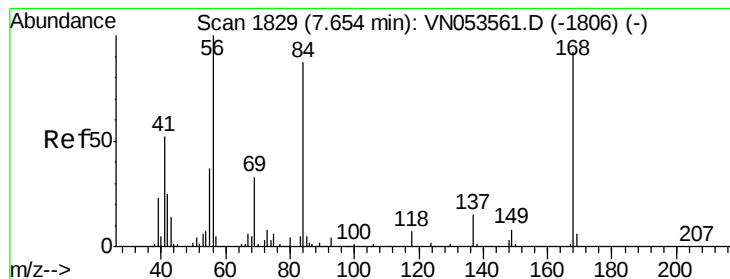
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#30
Chloroform
Concen: 46.678 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





#31

Cyclohexane

Concen: 47.372 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

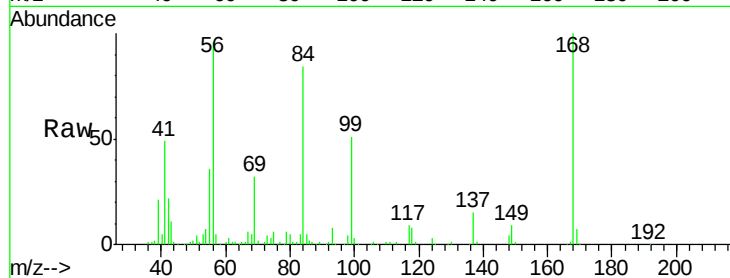
ClientSampled :

VSTDCCC050

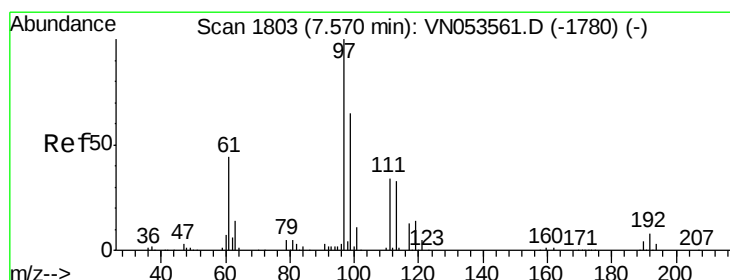
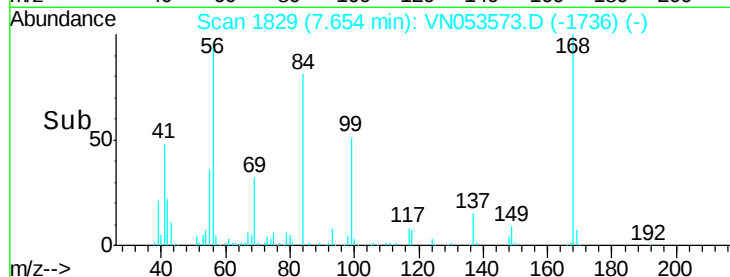
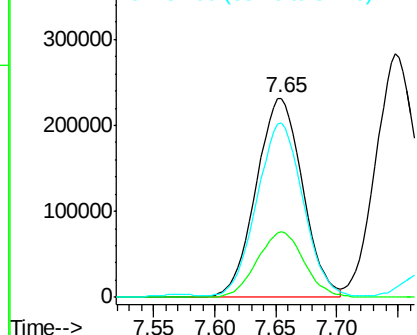
Tgt Ion:	56	Resp:	613131
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.4	39.6
84	86.5	67.9	101.9

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 47.057 ug/l

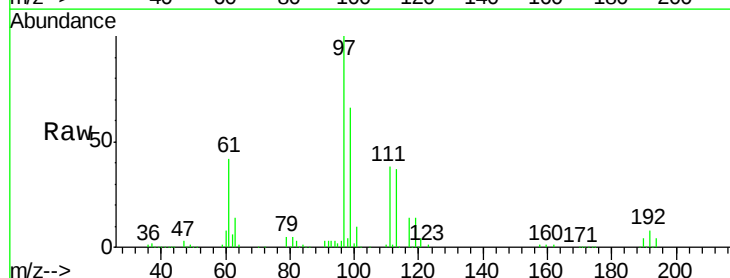
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

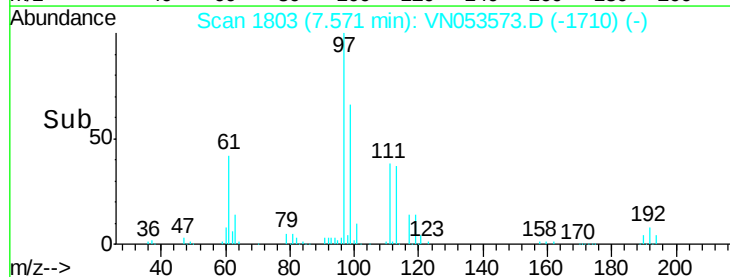
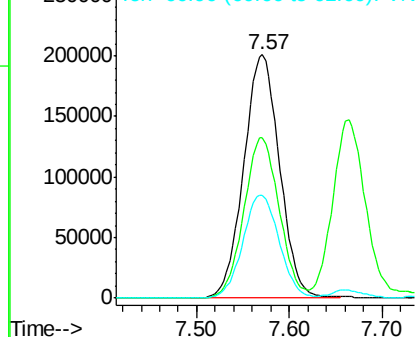
Lab File: VN053573.D

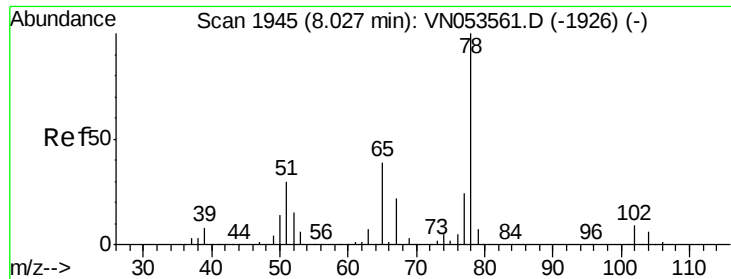
Acq: 1 Feb 2019 13:27

Tgt Ion:	97	Resp:	539554
Ion Ratio	Lower	Upper	
97	100		
99	64.9	52.0	78.0
61	42.7	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





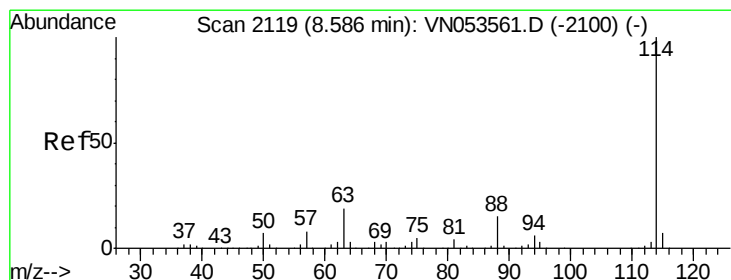
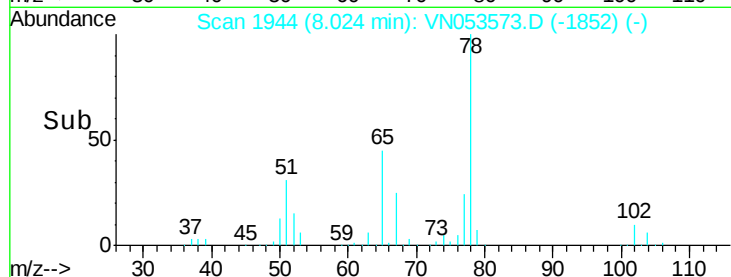
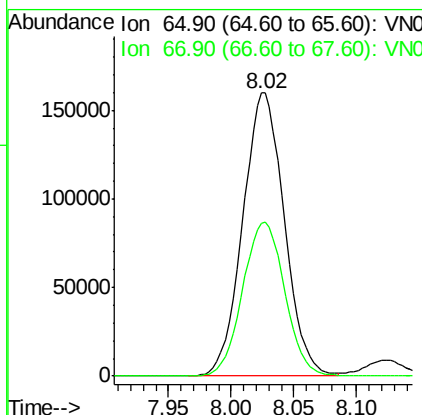
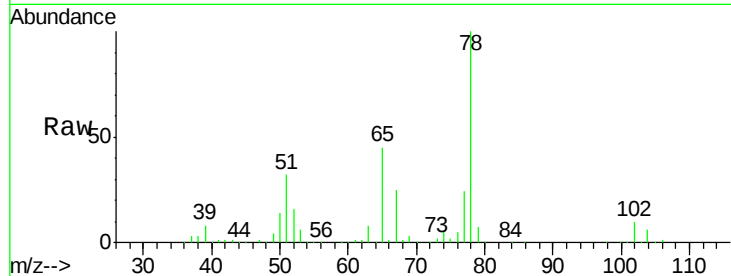
#33
 1,2-Dichloroethane-d4
 Concen: 47.057 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 368471
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2

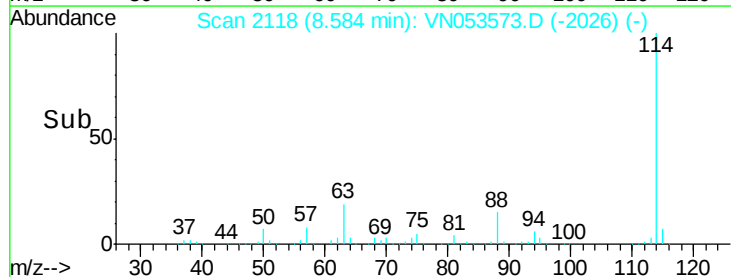
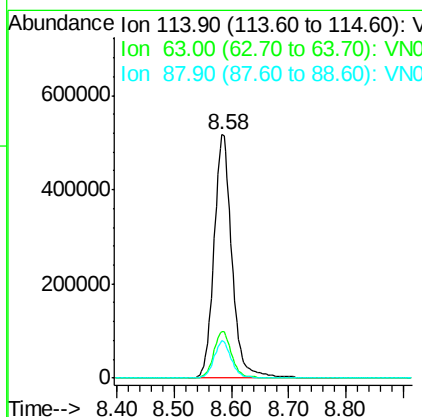
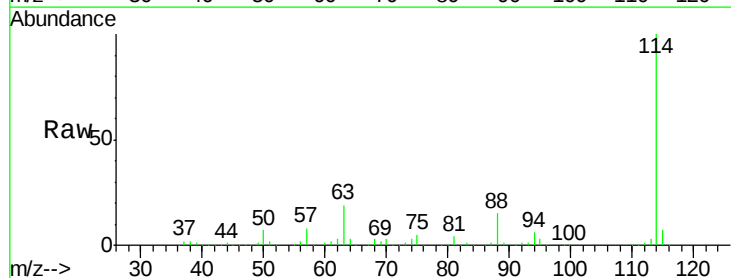
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 114 Resp: 1125089
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.4





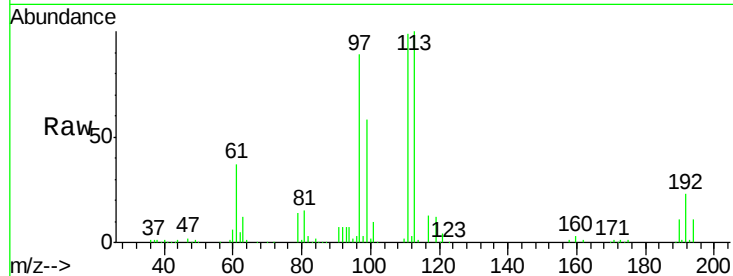
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

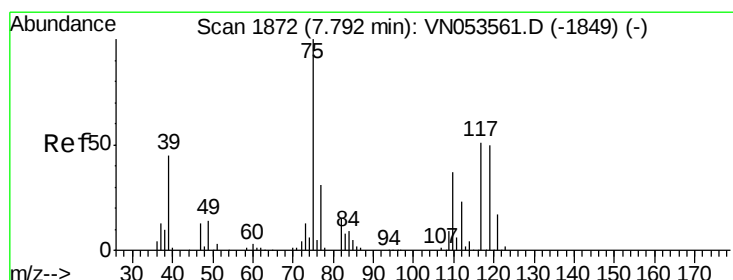
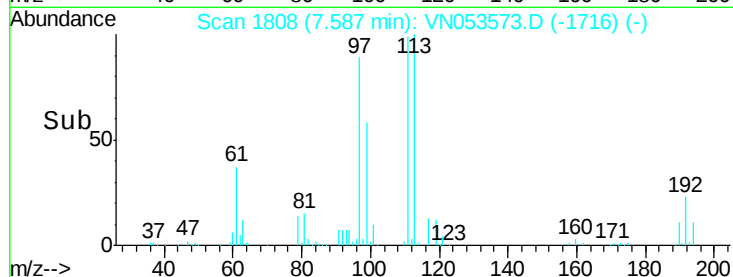
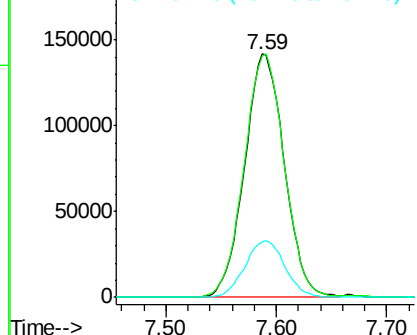
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	354463		
111	101.0	81.1	121.7	
192	23.5	18.2	27.2	

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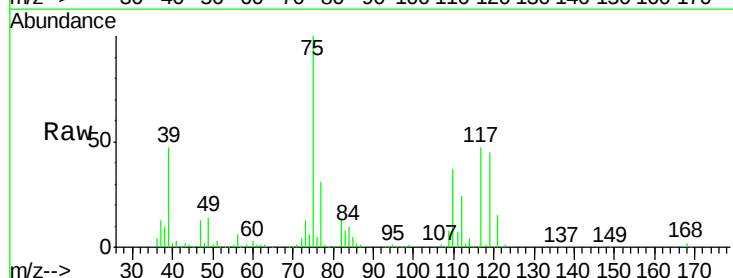


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

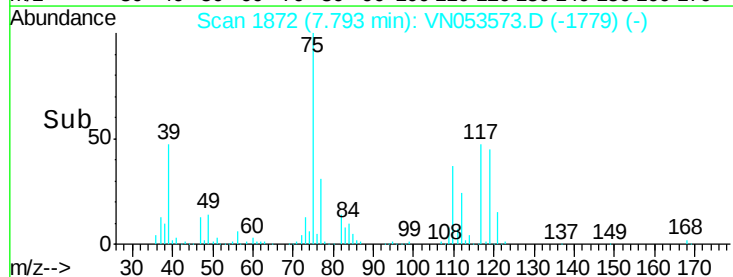
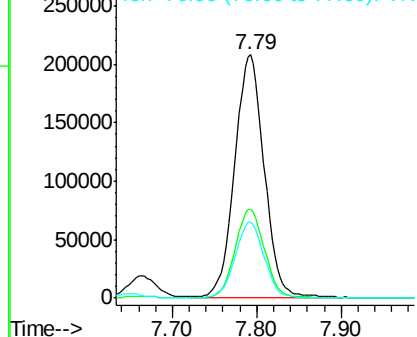


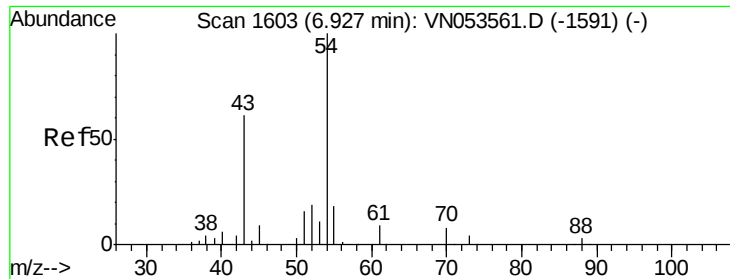
#36
1,1-Dichloropropene
Concen: 49.626 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	503307		
110	36.9	18.1	54.3	
77	31.5	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 50.836 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

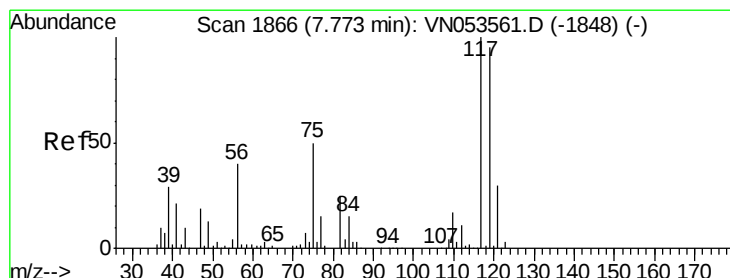
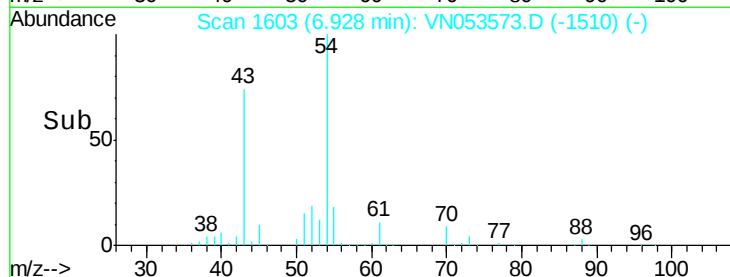
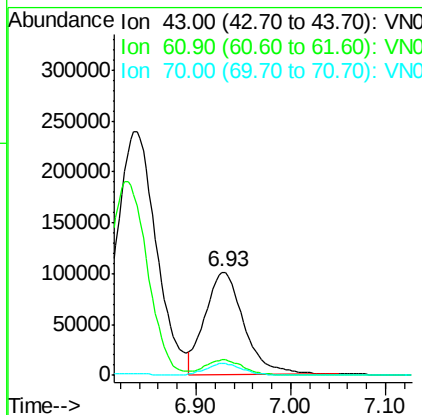
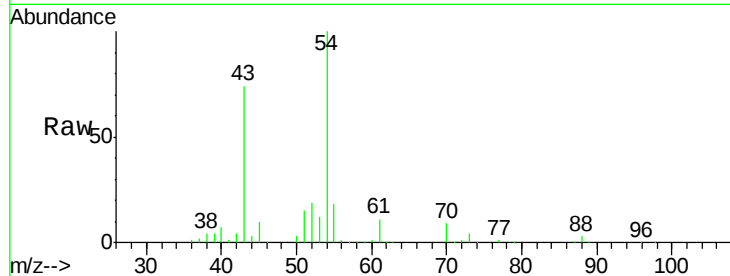
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	287953
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.8	17.6
70	11.1	8.6	12.8

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#38

Carbon Tetrachloride

Concen: 47.820 ug/l

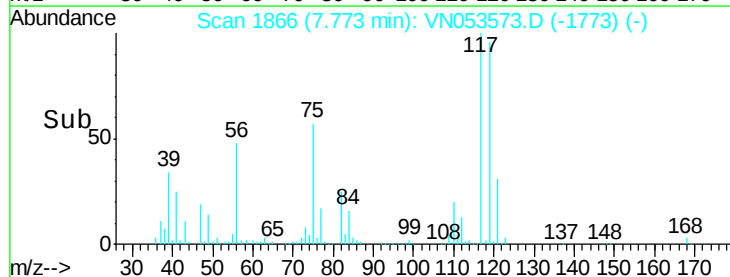
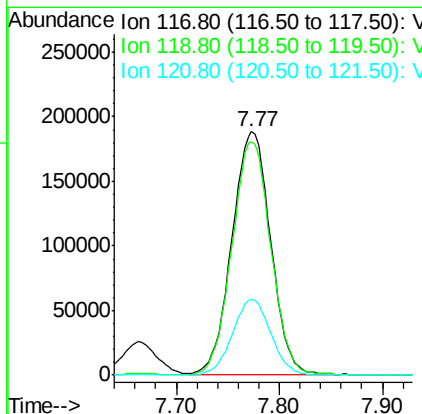
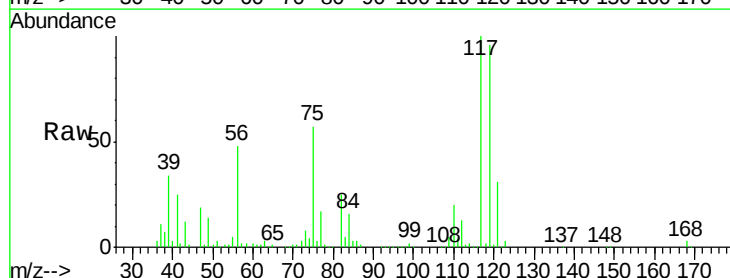
RT: 7.77 min Scan# 1866

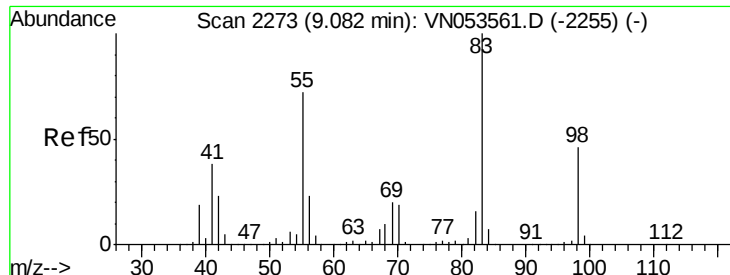
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	117	Resp:	488571
Ion Ratio	Lower	Upper	
117	100		
119	96.2	77.2	115.8
121	31.1	24.6	37.0





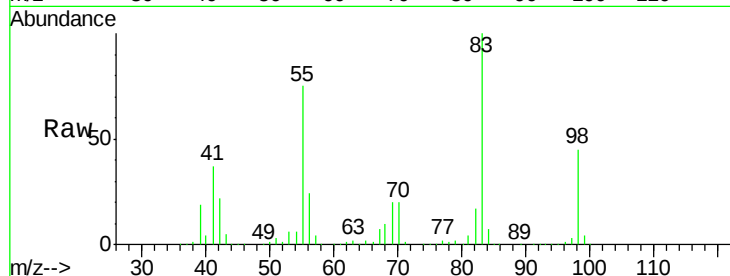
#39
Methylcyclohexane
Concen: 52.162 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.1	90.1
98	45.4	36.6	55.0

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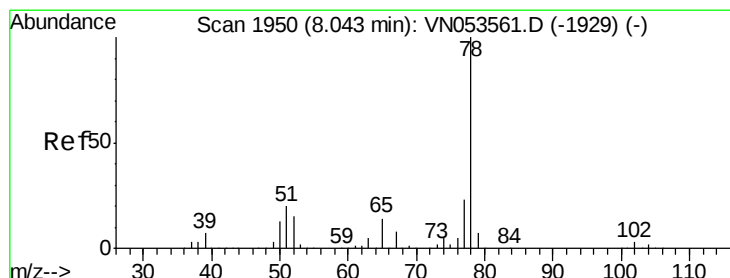
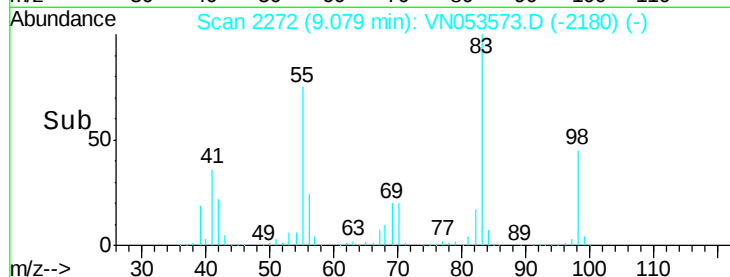
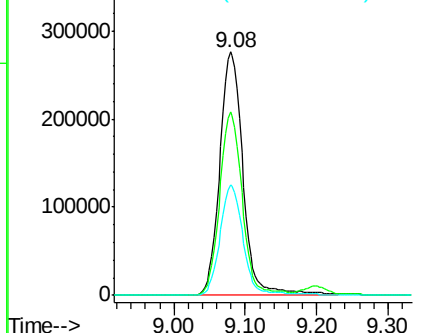
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Abundance Ion 83.00 (82.70 to 83.70): VN053561.D (-2255) (-)

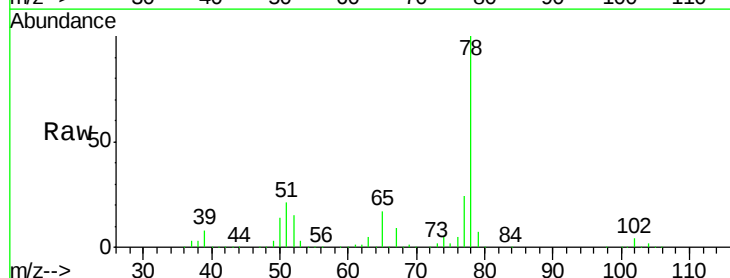
Ion 55.00 (54.70 to 55.70): VN053561.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN053561.D (-2255) (-)



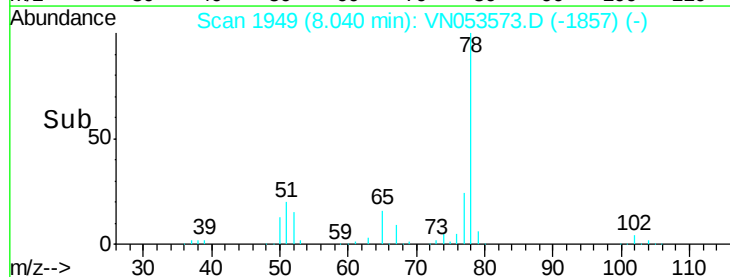
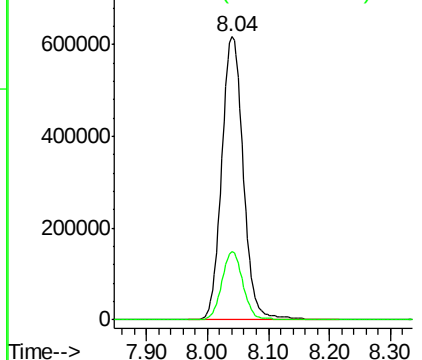
#40
Benzene
Concen: 48.307 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

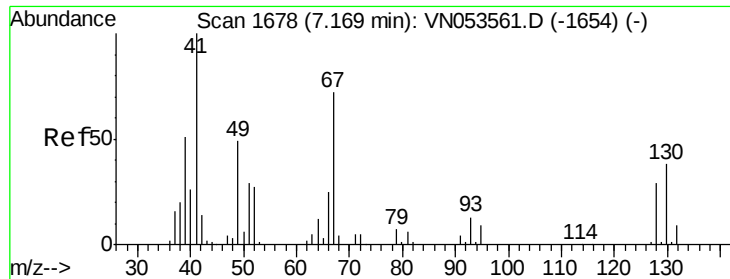
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN053561.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-1929) (-)





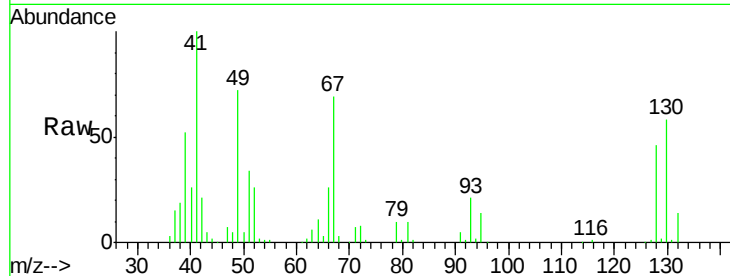
#41
Methacrylonitrile
Concen: 52.402 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

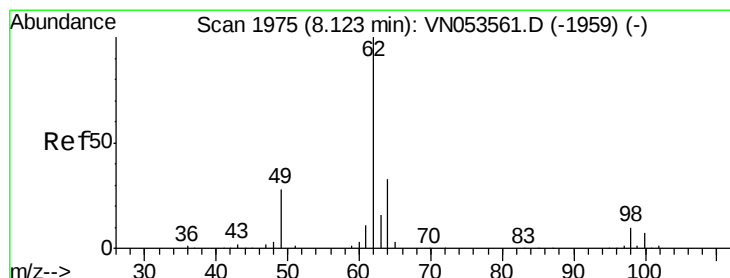
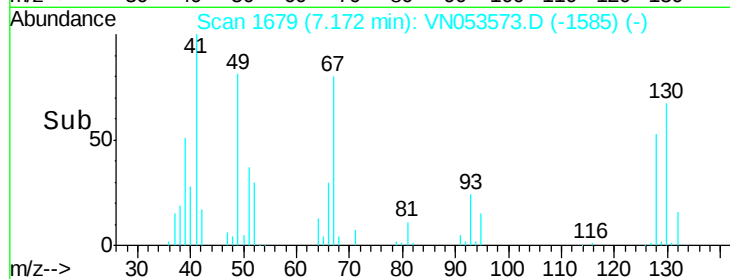
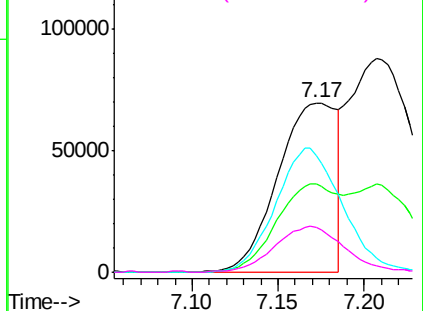
Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.6	46.8	70.2
67	83.7	63.0	94.6
52	31.5	23.8	35.8

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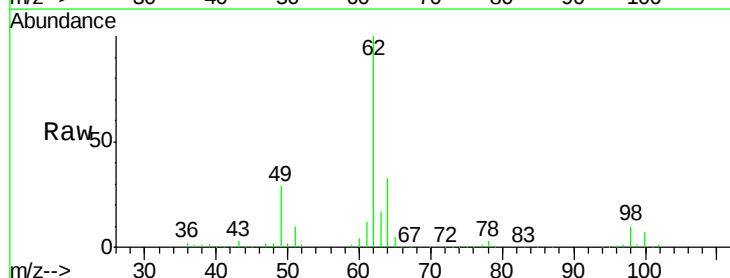


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

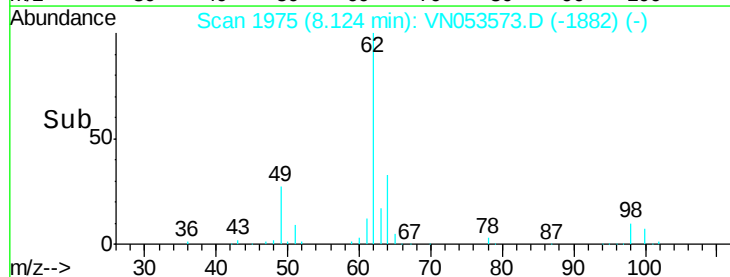
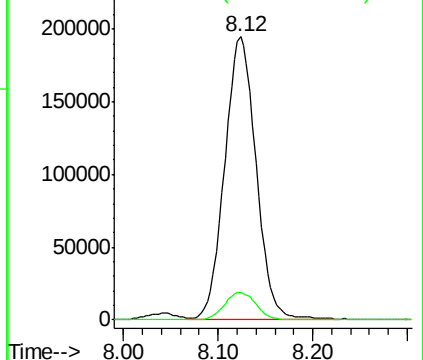


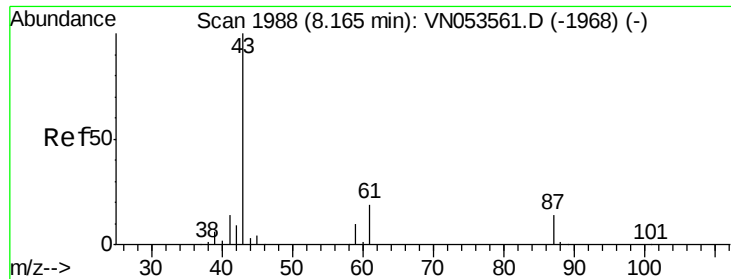
#42
1,2-Dichloroethane
Concen: 48.069 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.407 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

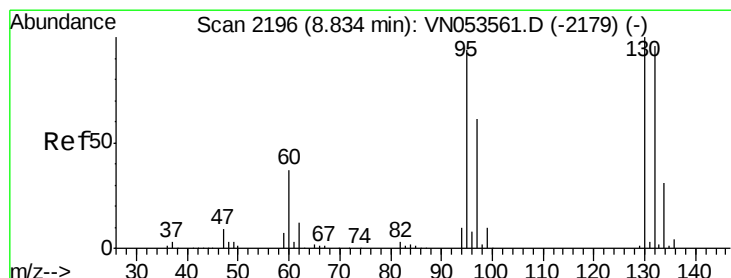
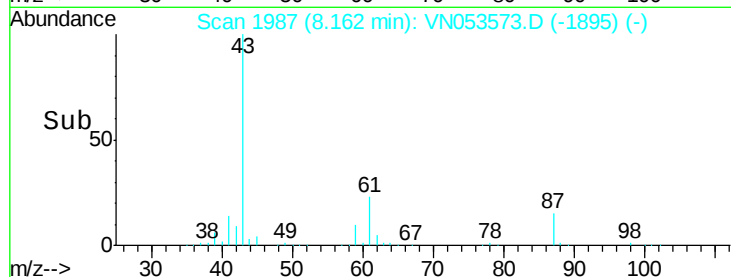
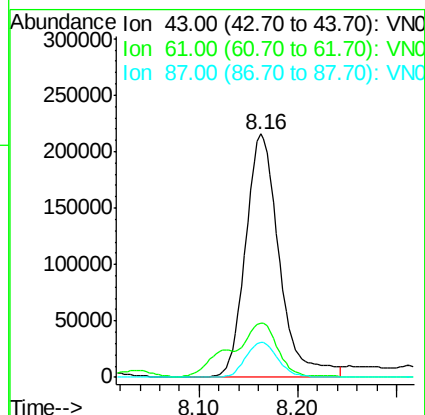
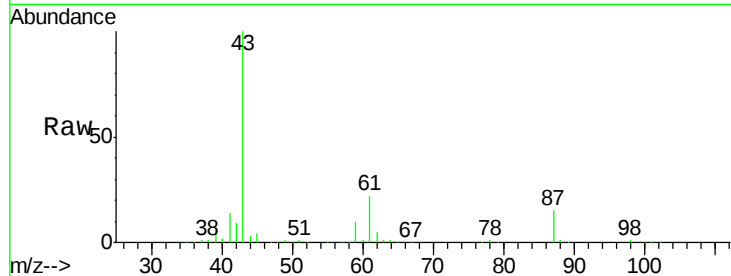
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	507653
Ion	Ratio	Lower	Upper
43	100		
61	20.8	23.9	35.9#
87	14.0	11.0	16.6

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#44

Trichloroethene

Concen: 48.386 ug/l

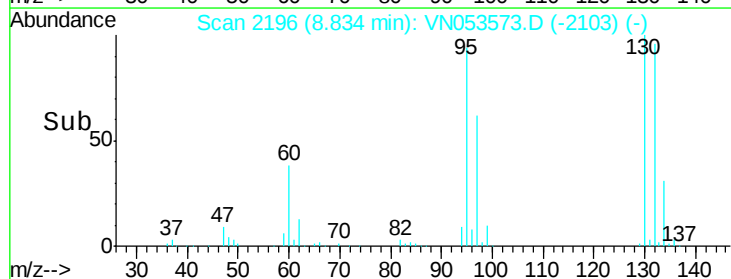
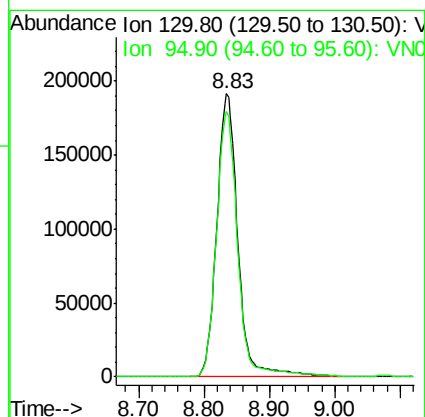
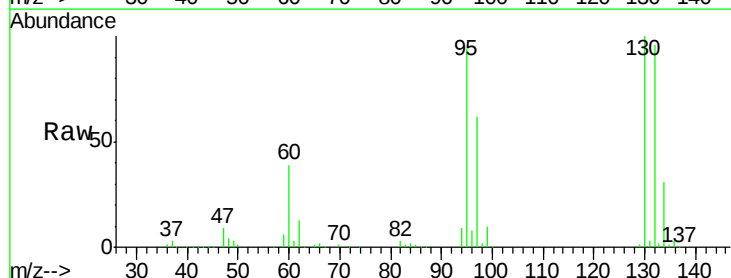
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	130	Resp:	430821
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.4





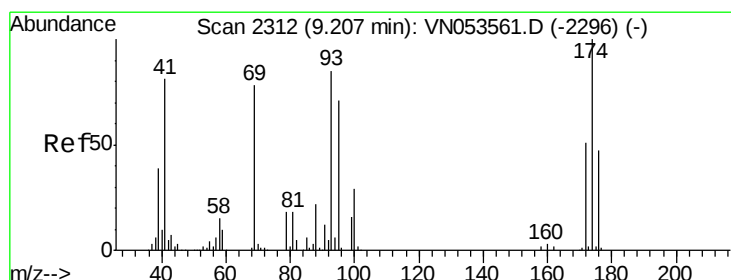
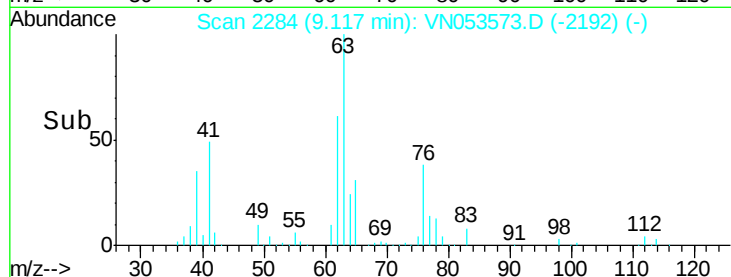
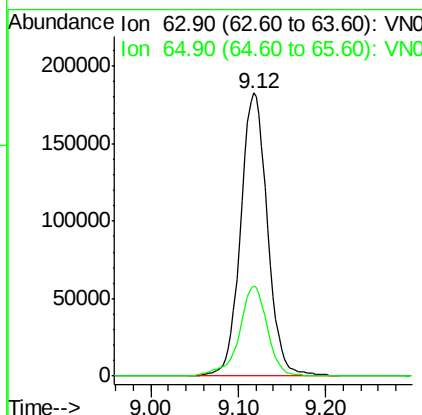
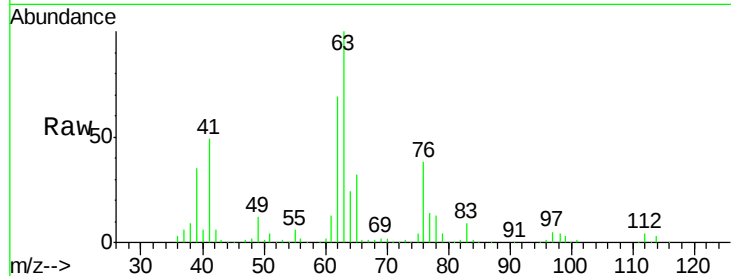
#45
 1,2-Dichloropropane
 Concen: 48.699 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 389560
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

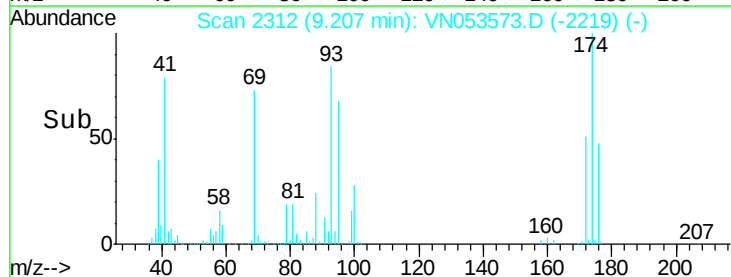
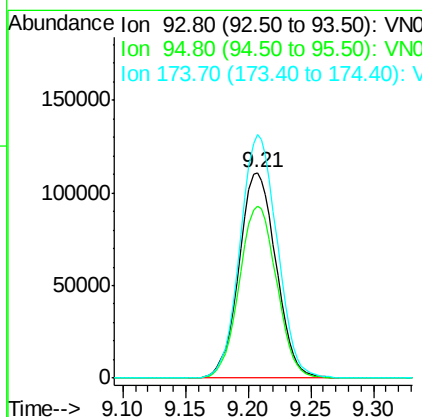
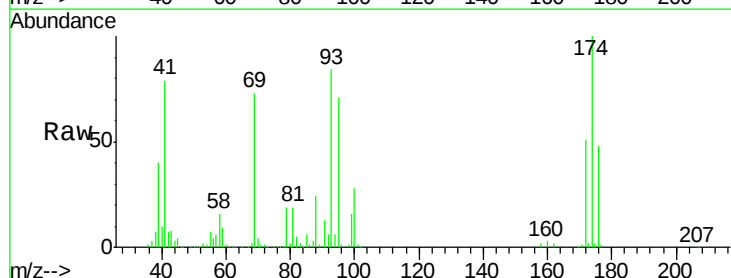
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#46
 Dibromomethane
 Concen: 47.159 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 93 Resp: 227408
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.3 100.9
 174 118.6 91.0 136.4





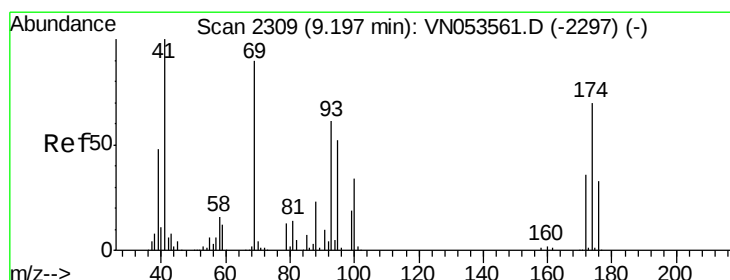
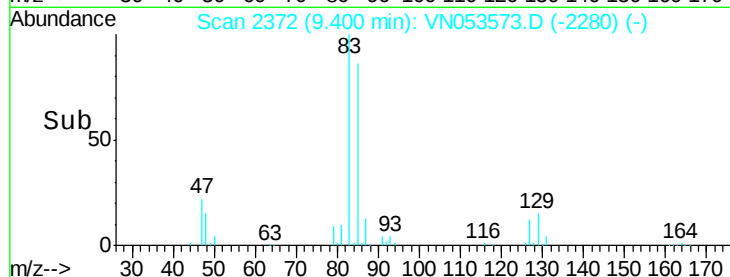
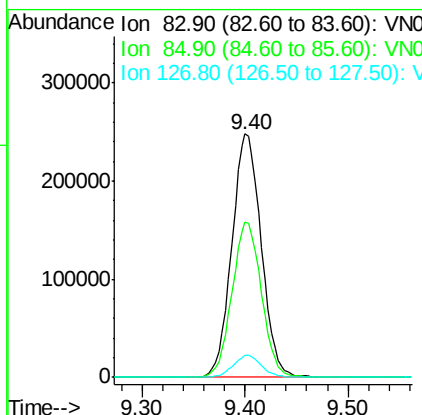
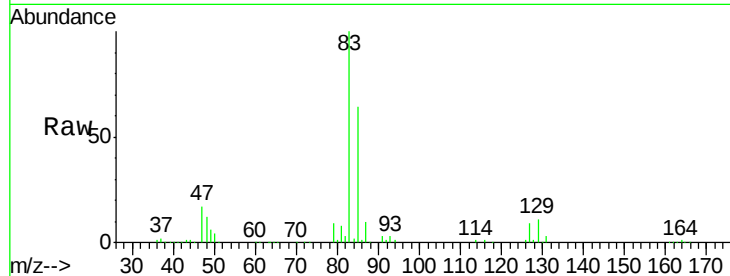
#47
Bromodichloromethane
Concen: 49.042 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6
127	8.9	7.0	10.6

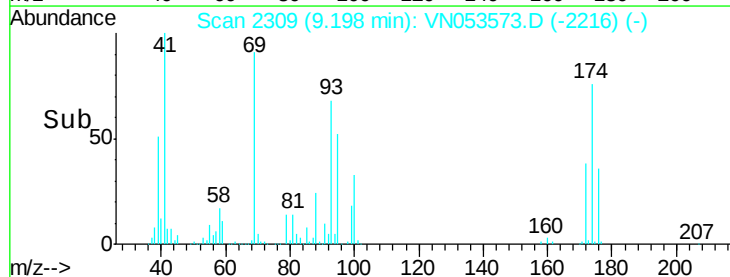
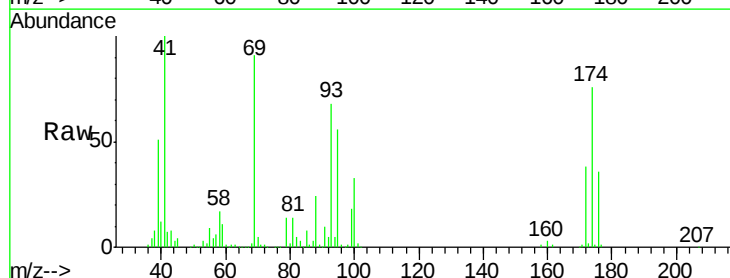
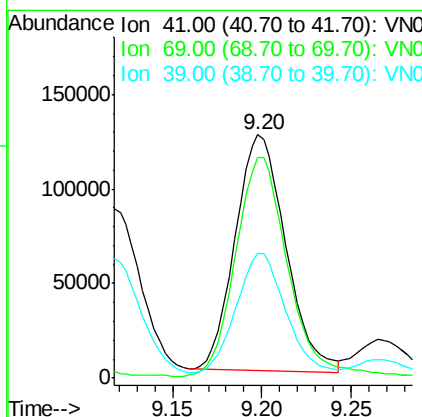
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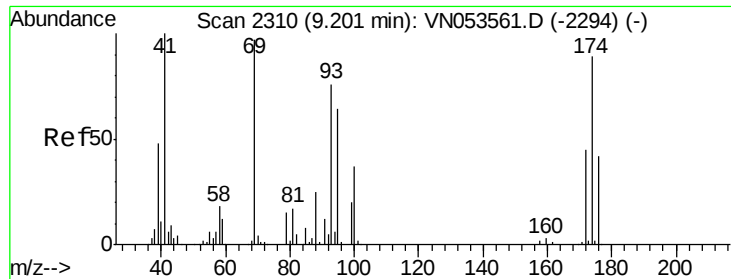
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#48
Methyl methacrylate
Concen: 47.389 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	98.1	73.8	110.6
39	53.8	40.0	60.0





#49

1,4-Dioxane

Concen: 947.537 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

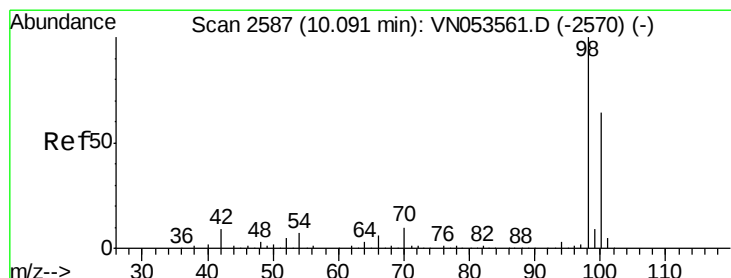
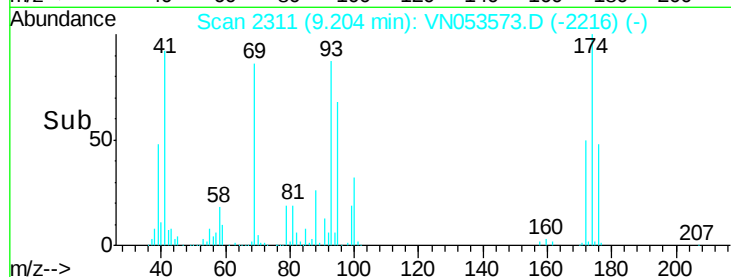
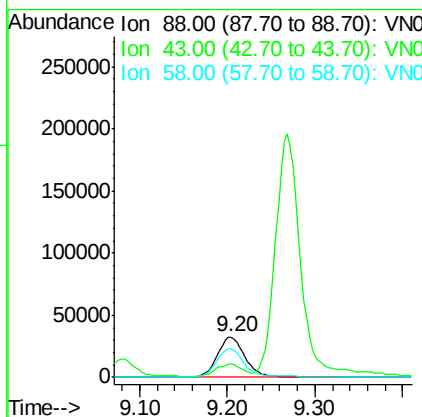
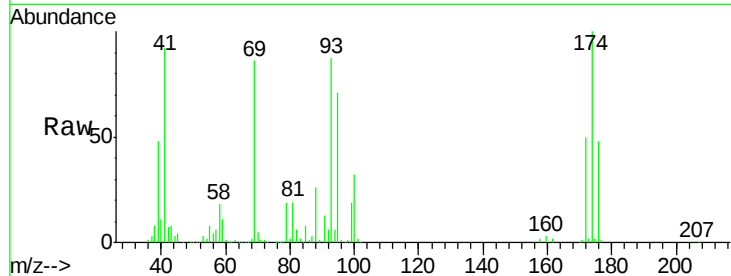
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	71531
Ion	Ratio	Lower	Upper
88	100		
43	30.1	27.8	41.6
58	70.3	56.5	84.7

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#50

Toluene-d8

Concen: 947.537 ug/l

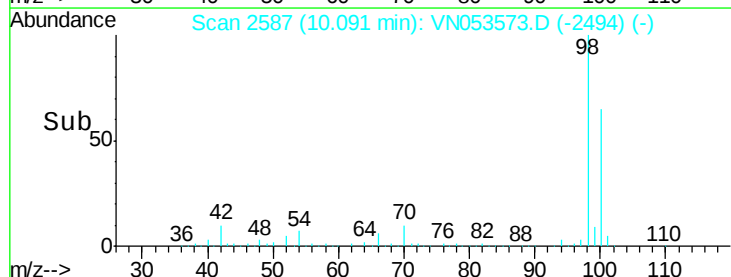
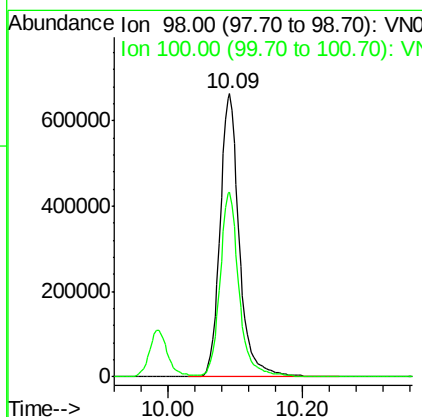
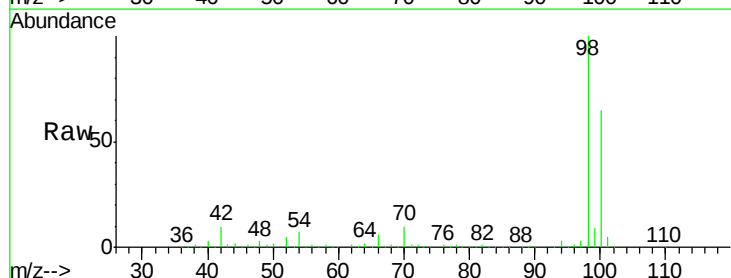
RT: 10.09 min Scan# 2587

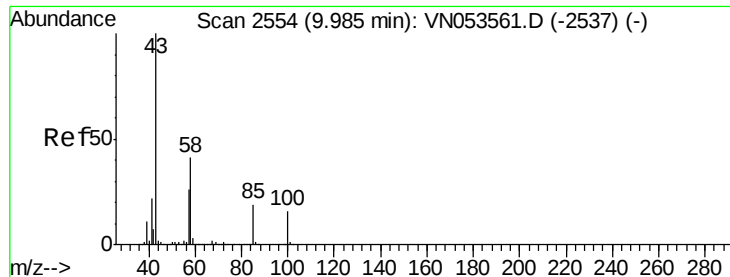
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	98	Resp:	1325621
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





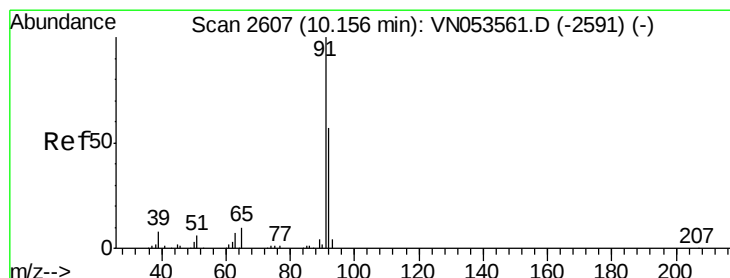
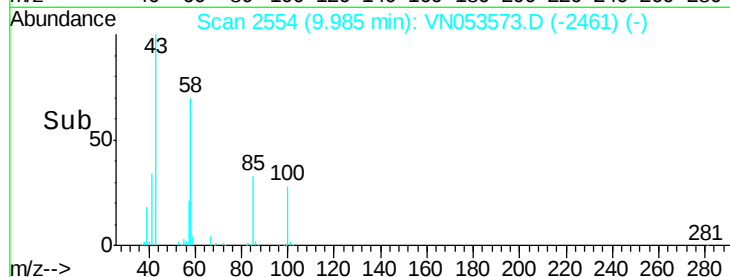
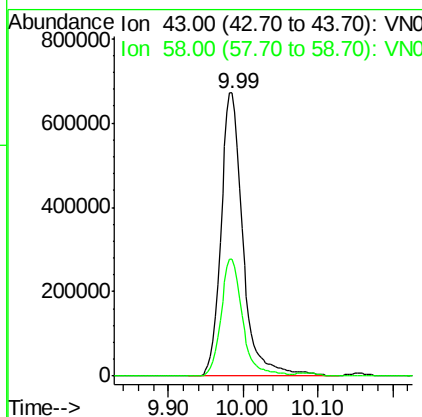
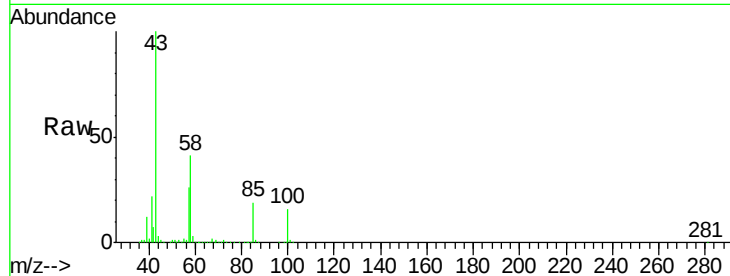
#51
 4-Methyl-2-Pentanone
 Concen: 252.966 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1359809
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2

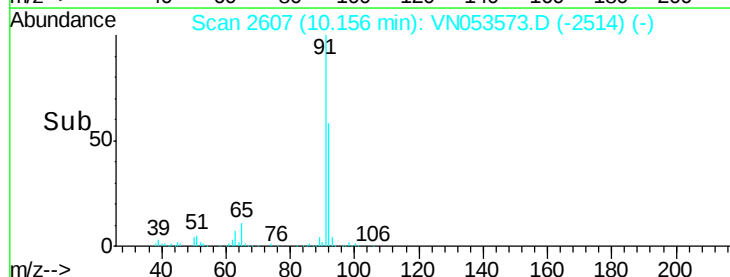
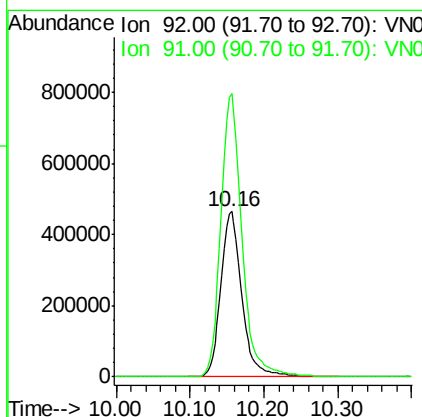
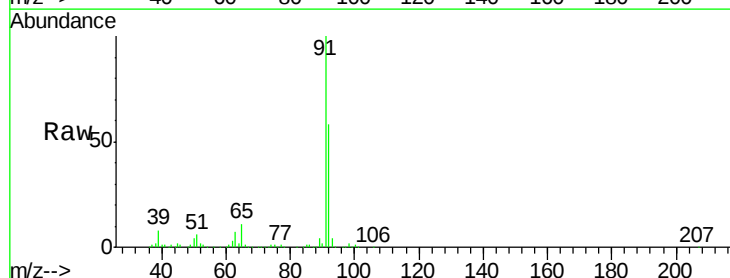
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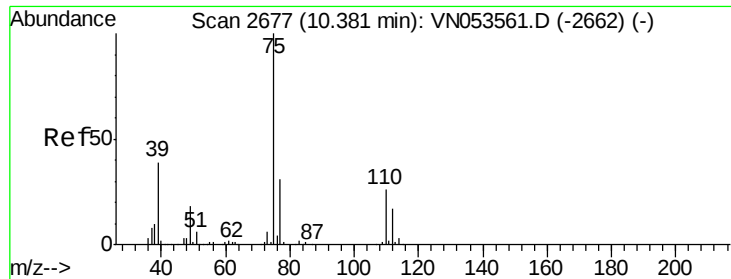
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#52
 Toluene
 Concen: 49.678 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 92 Resp: 922099
 Ion Ratio Lower Upper
 92 100
 91 172.5 139.9 209.9





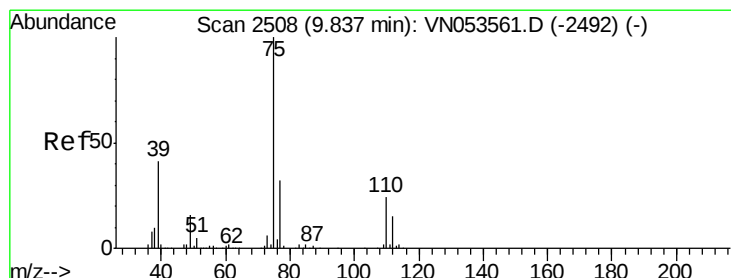
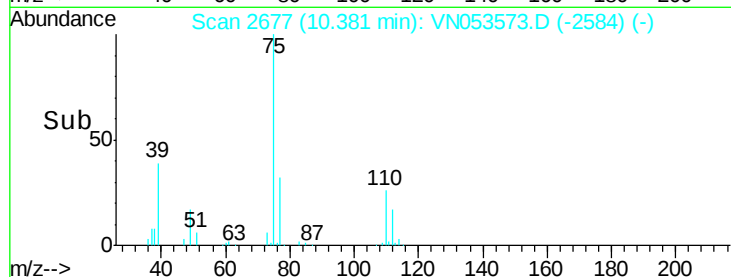
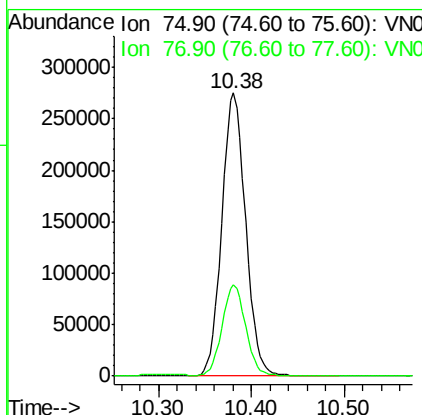
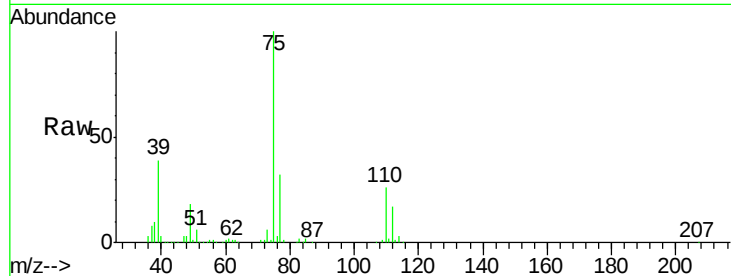
#53
 t-1,3-Dichloropropene
 Concen: 48.846 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 490405
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3

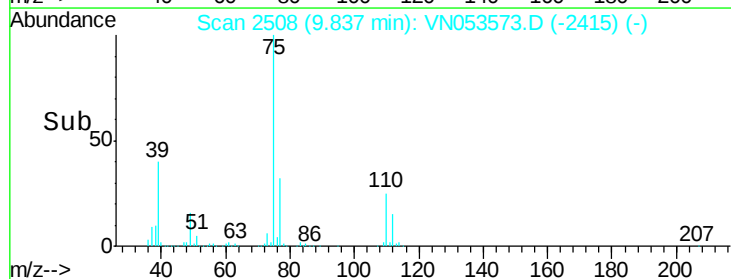
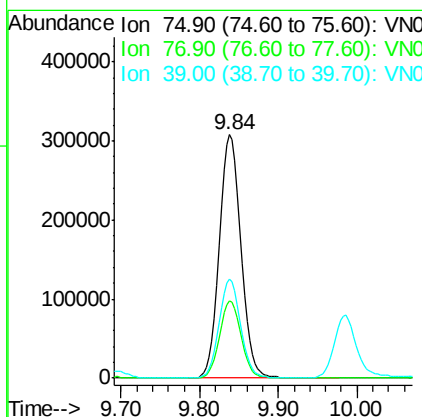
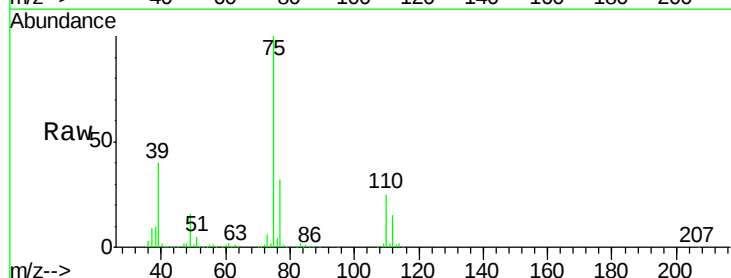
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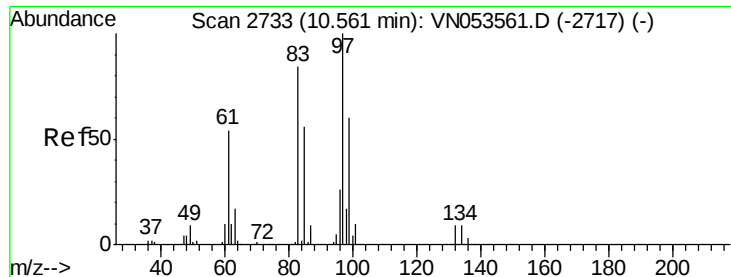
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#54
 cis-1,3-Dichloropropene
 Concen: 48.930 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 75 Resp: 582119
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.6
 39 40.5 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 49.028 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 327925
Ion Ratio Lower Upper

97 100

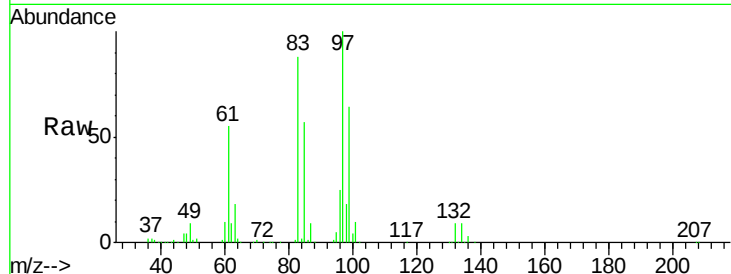
83 87.6 70.1 105.1

85 56.8 45.4 68.0

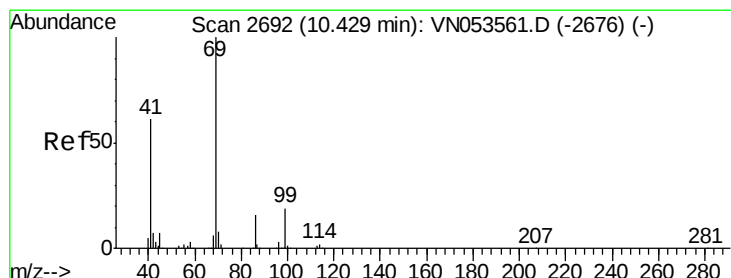
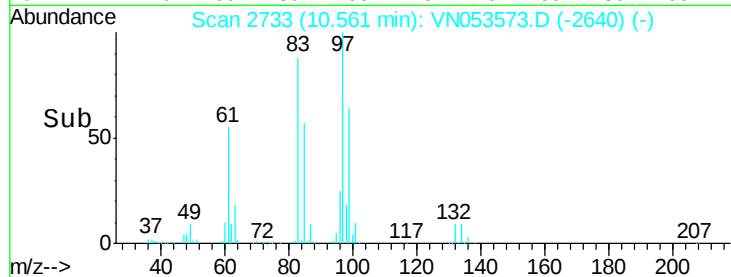
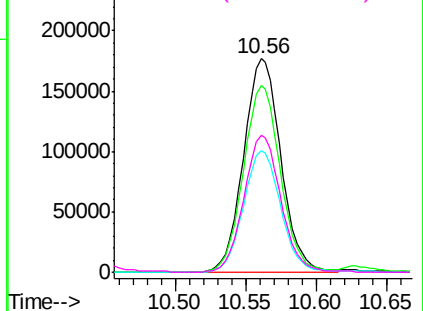
99 64.0 49.8 74.8

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Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.359 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053573.D

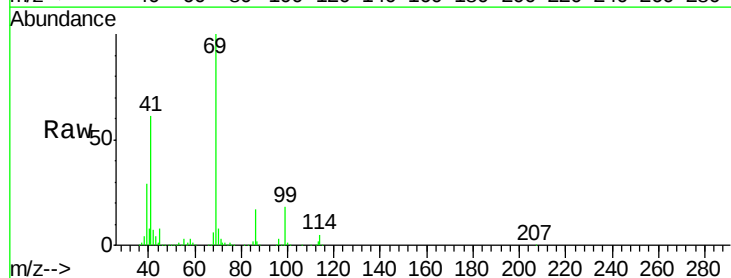
Acq: 1 Feb 2019 13:27

Tgt Ion: 69 Resp: 398464
Ion Ratio Lower Upper

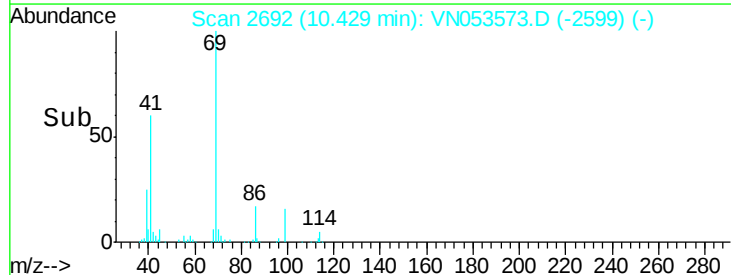
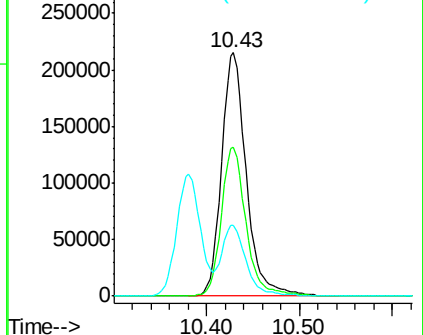
69 100

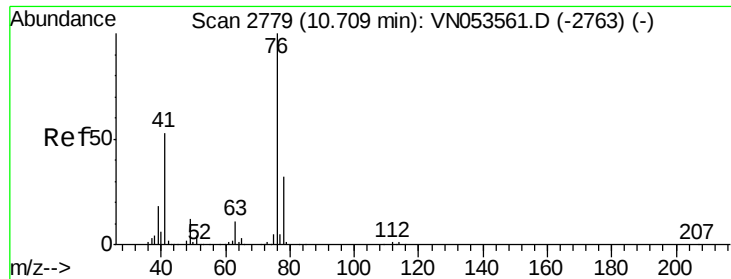
41 60.3 49.4 74.0

39 28.9 23.3 34.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





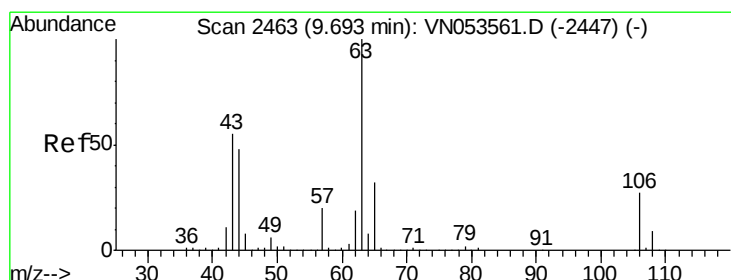
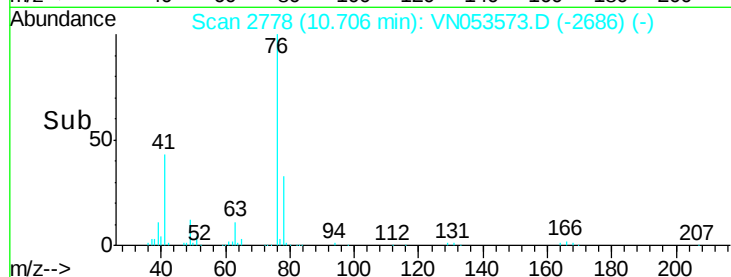
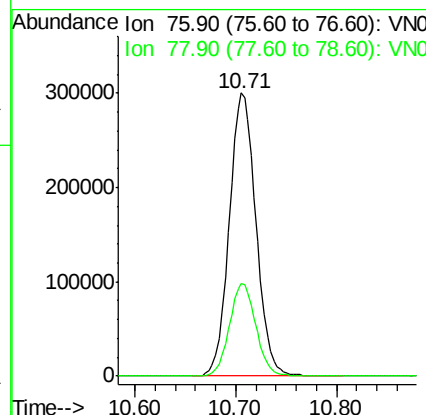
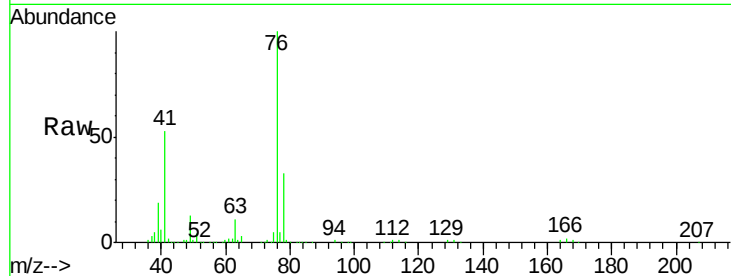
#57
 1,3-Dichloropropane
 Concen: 48.564 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 555141
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

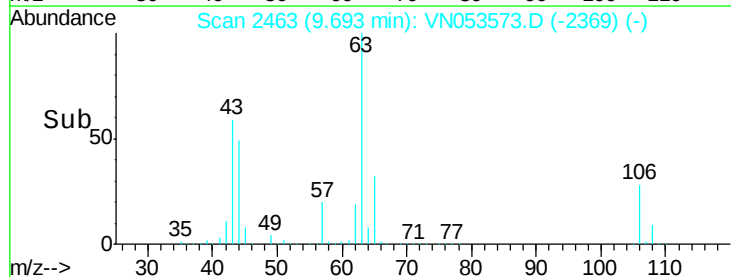
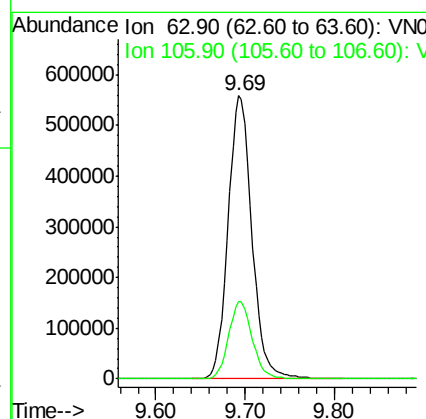
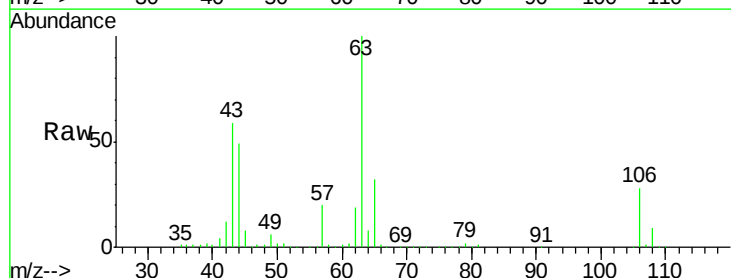
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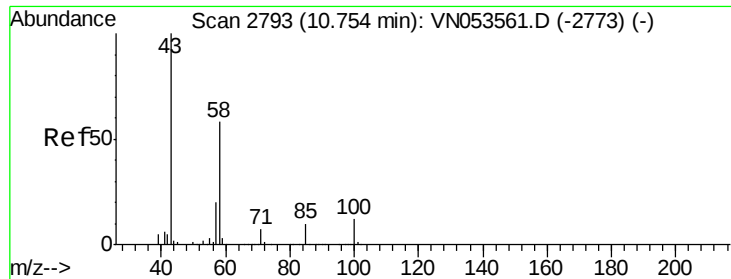
MMDadoda
 2/4/2019 9:49:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.374 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 63 Resp: 1030972
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3





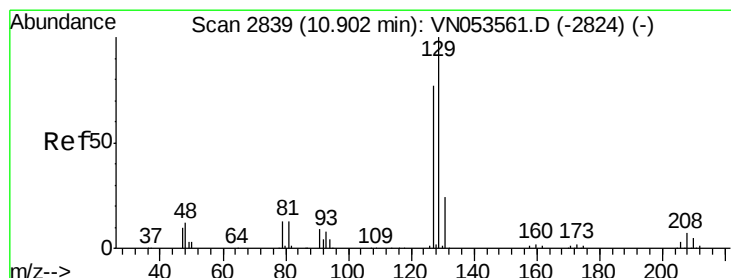
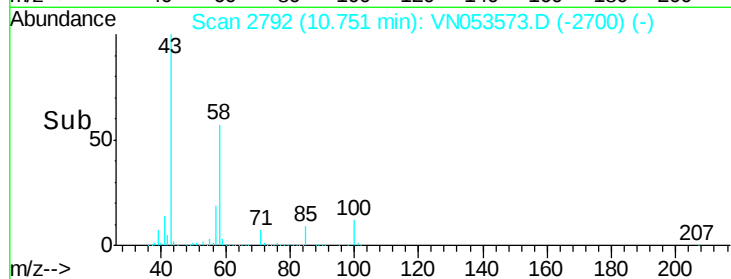
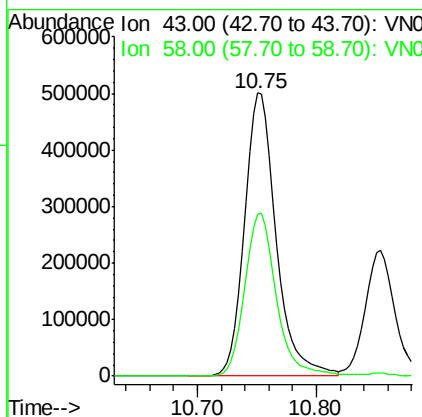
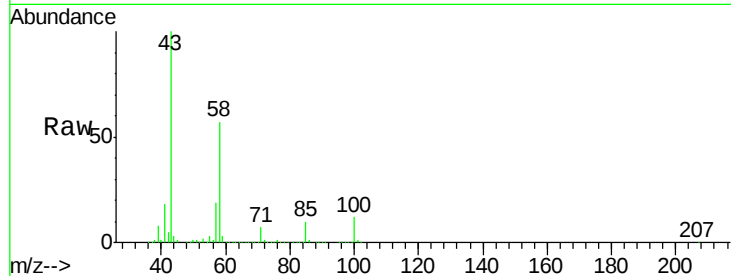
#59
2-Hexanone
Concen: 251.747 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 918687
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8

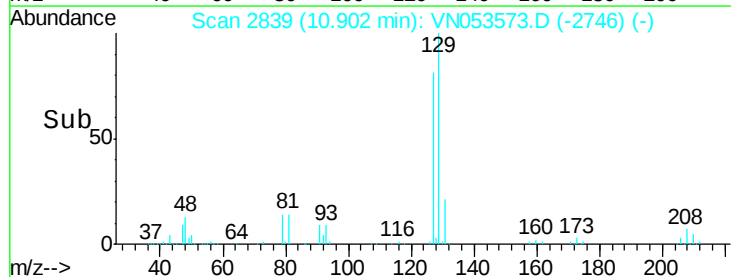
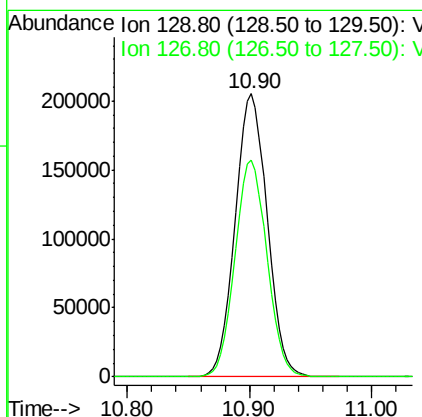
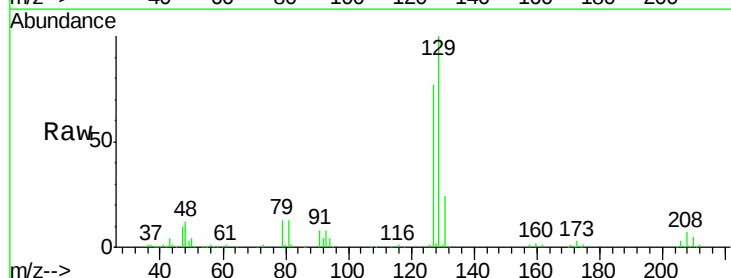
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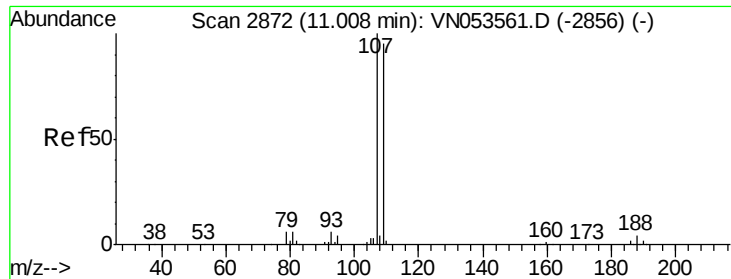
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#60
Dibromochloromethane
Concen: 49.520 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 129 Resp: 373508
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





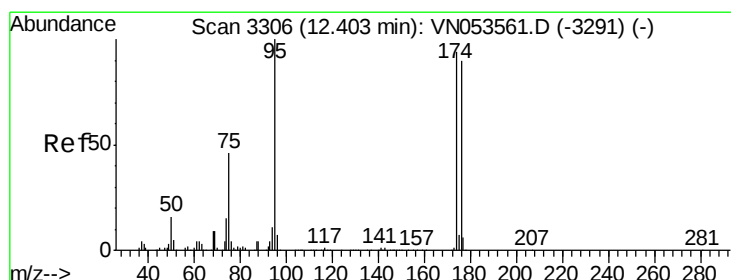
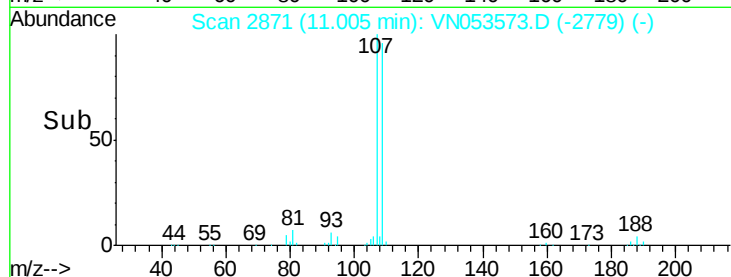
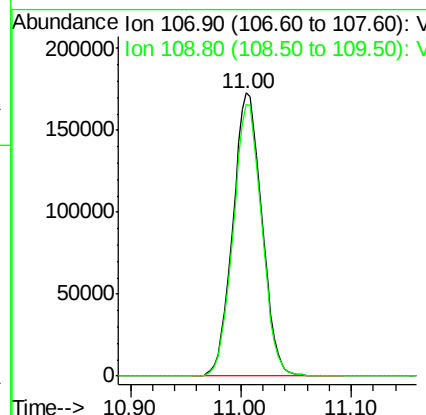
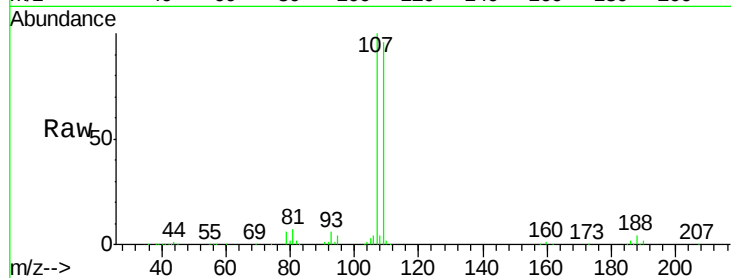
#61
 1,2-Dibromoethane
 Concen: 47.673 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 315601
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5

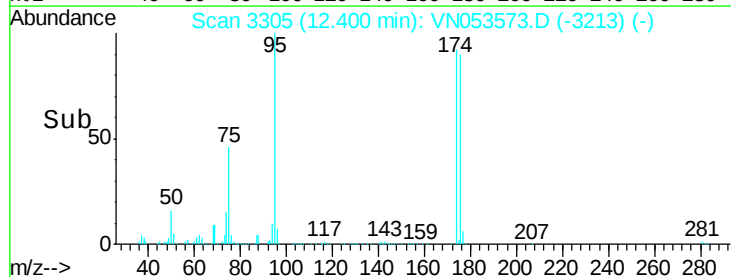
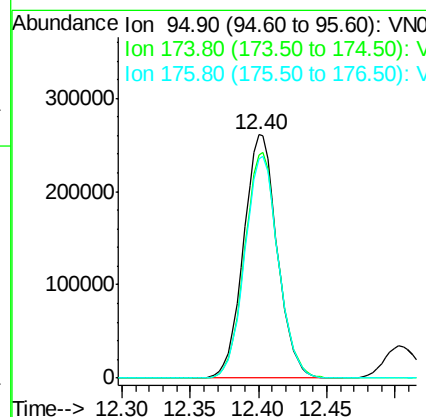
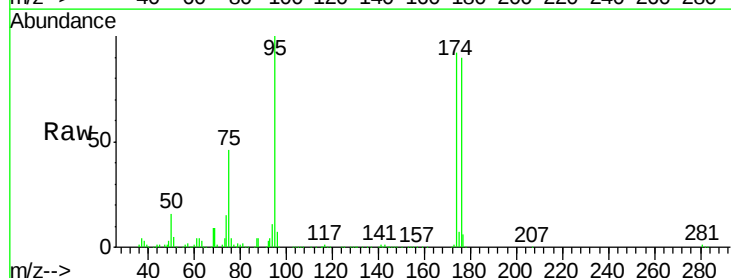
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#62
 4-Bromofluorobenzene
 Concen: 47.673 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 95 Resp: 445235
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 183.2
 176 91.0 0.0 177.4





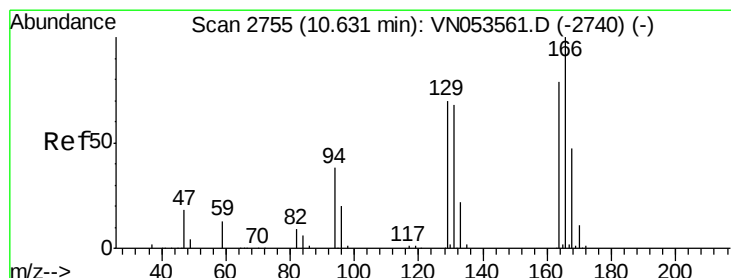
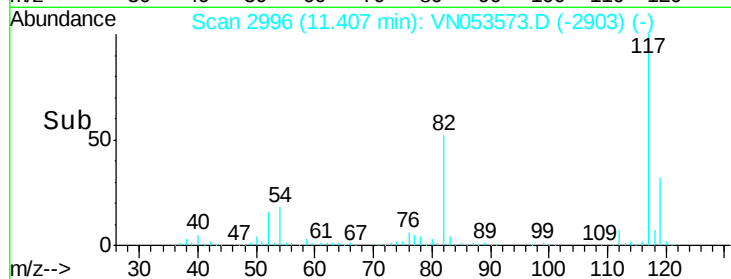
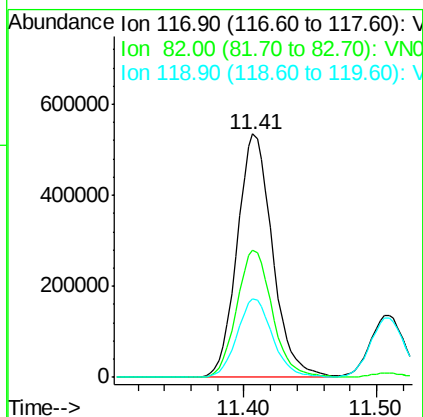
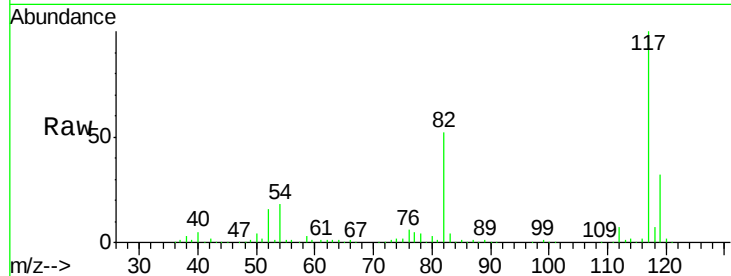
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	990551		
82	52.4	42.9	64.3	
119	32.4	26.0	39.0	

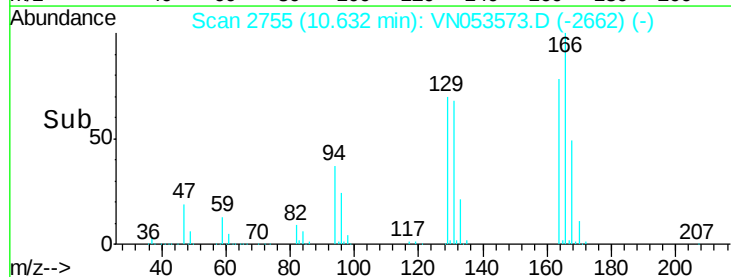
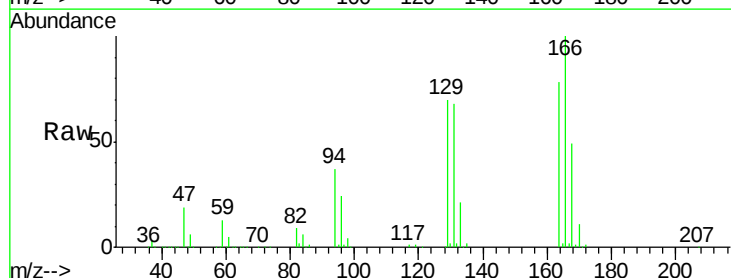
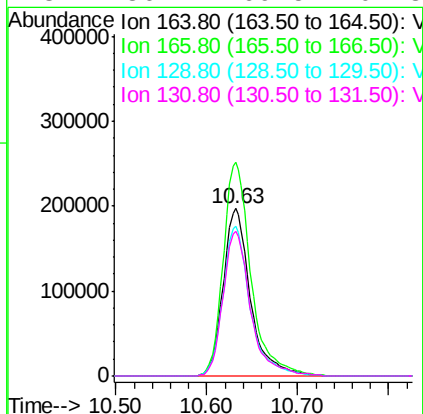
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#64
Tetrachloroethene
Concen: 48.535 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	412123		
166	127.6	102.2	153.4	
129	89.6	72.6	109.0	
131	86.7	69.5	104.3	





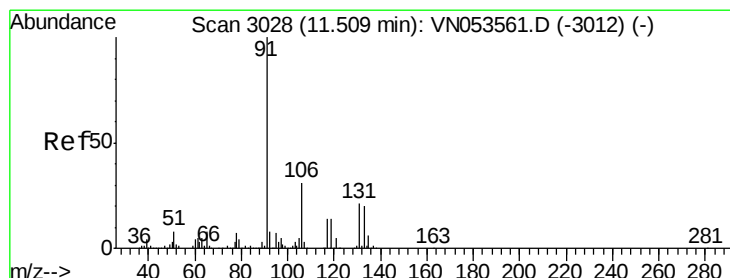
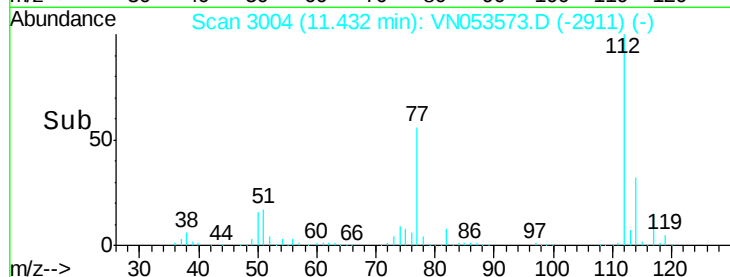
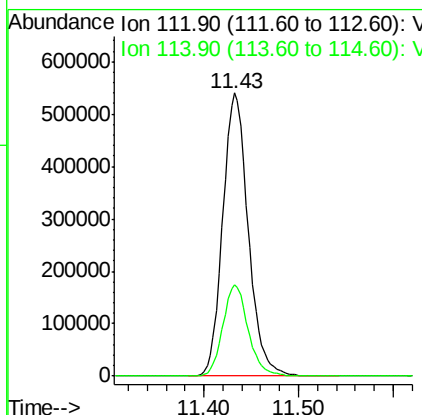
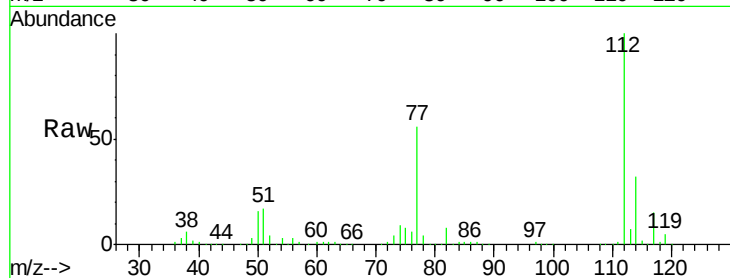
#65
Chlorobenzene
Concen: 48.075 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 1011507
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

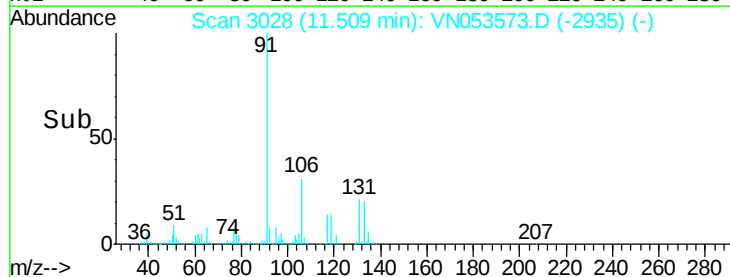
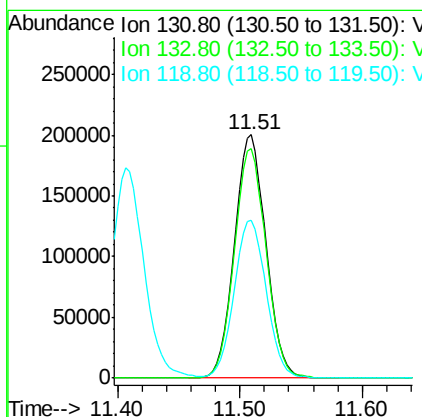
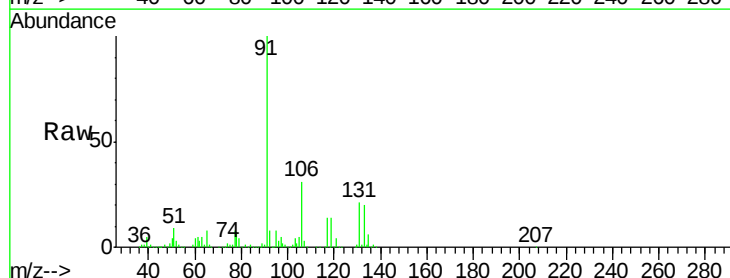
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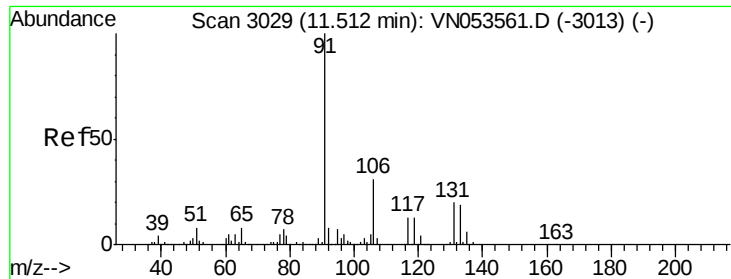
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.693 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion:131 Resp: 357802
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.3 33.5 100.5





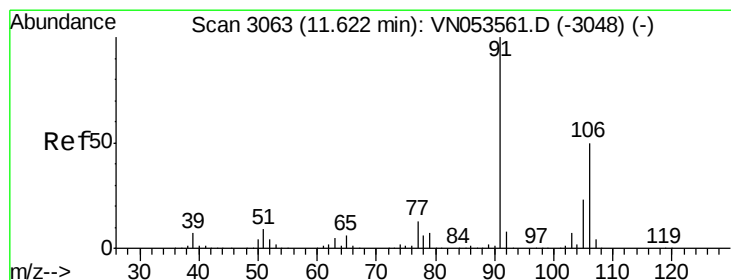
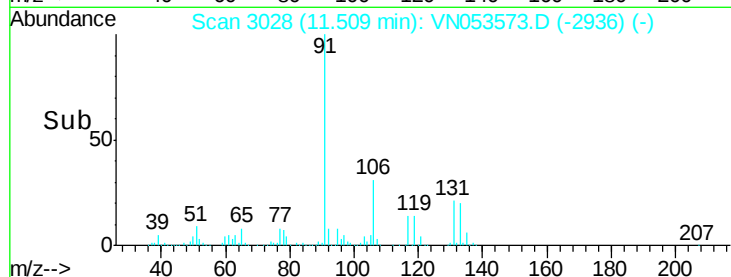
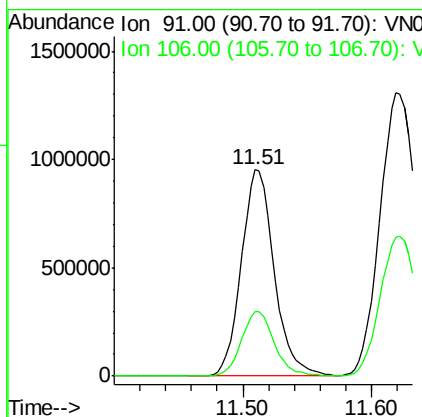
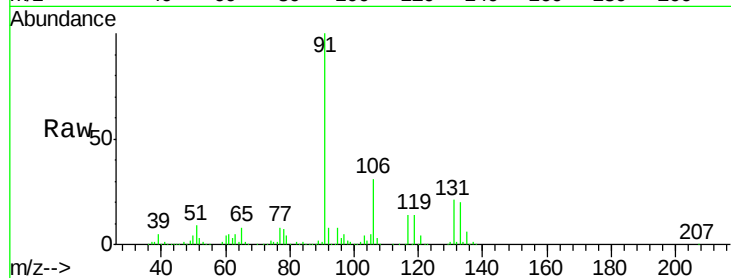
#67
Ethyl Benzene
Concen: 49.036 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1694833
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

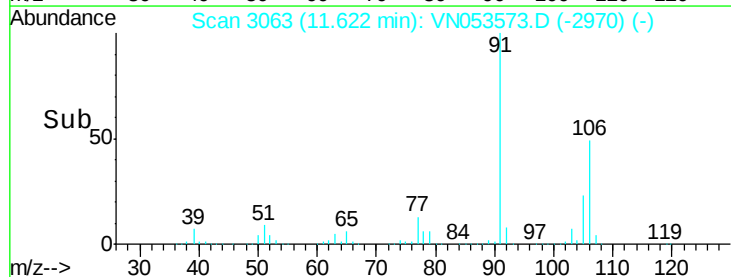
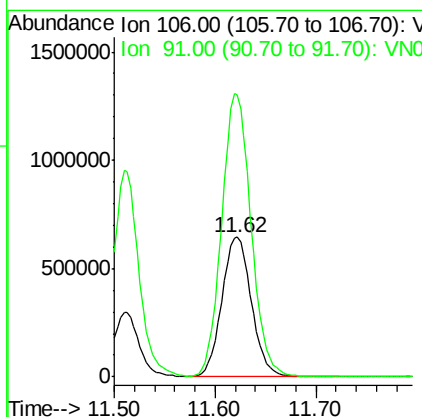
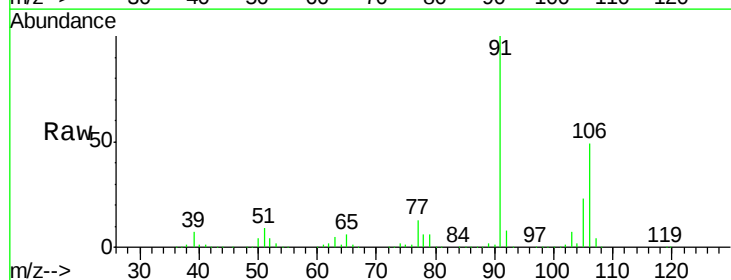
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#68
m/p-Xylenes
Concen: 99.936 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 106 Resp: 1318290
Ion Ratio Lower Upper
106 100
91 201.5 161.4 242.2





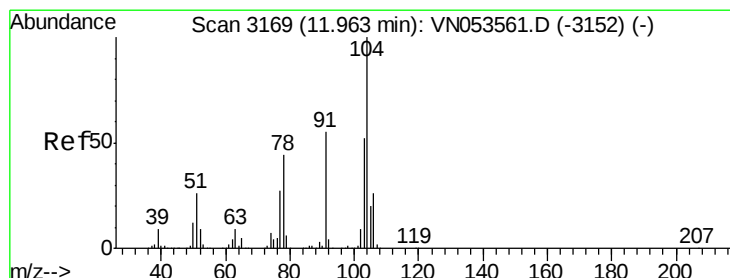
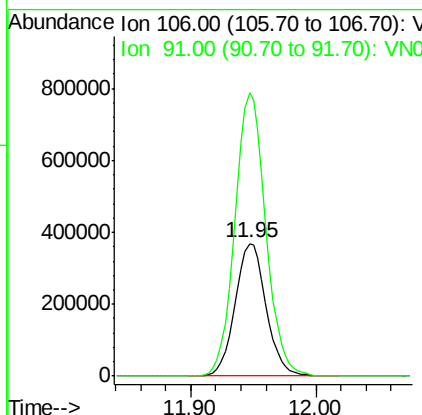
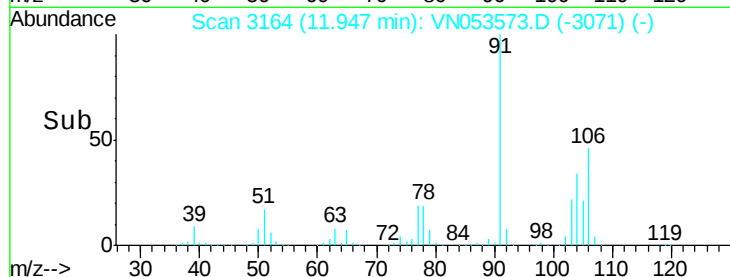
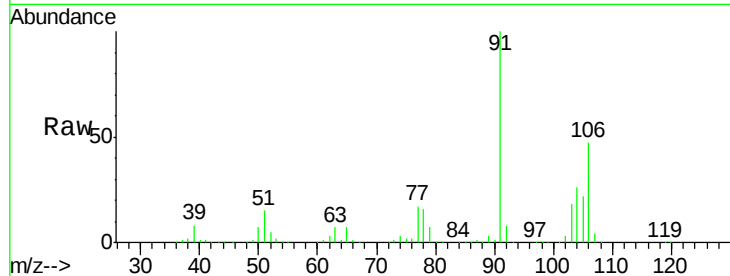
#69
o-Xylene
Concen: 49.453 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 630233
Ion Ratio Lower Upper
106 100
91 213.2 106.9 320.8

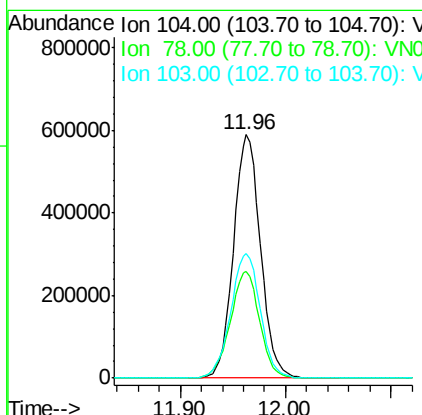
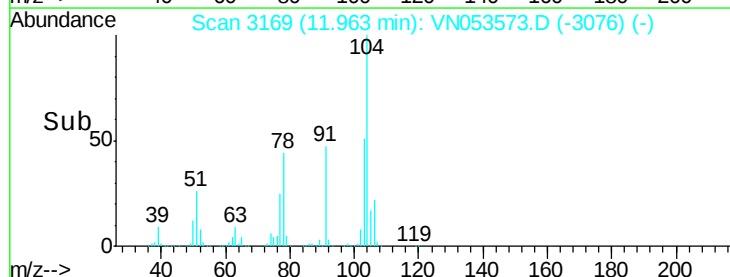
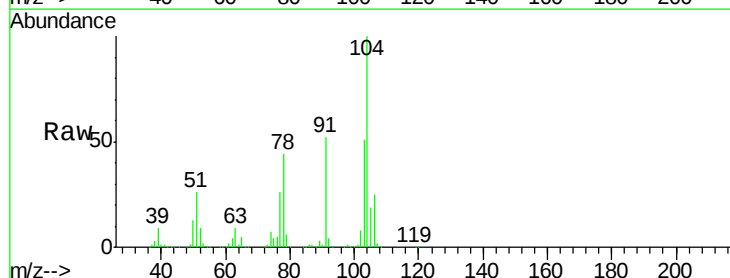
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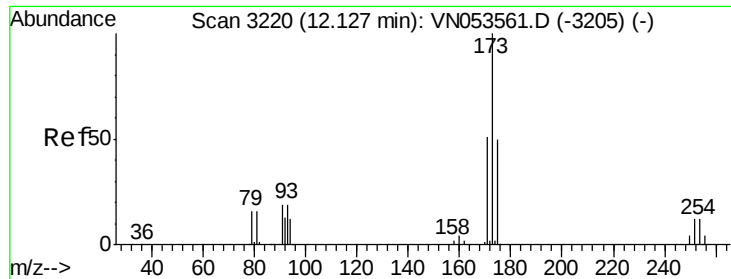
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#70
Styrene
Concen: 50.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion:104 Resp: 1042564
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.9 44.4 66.6





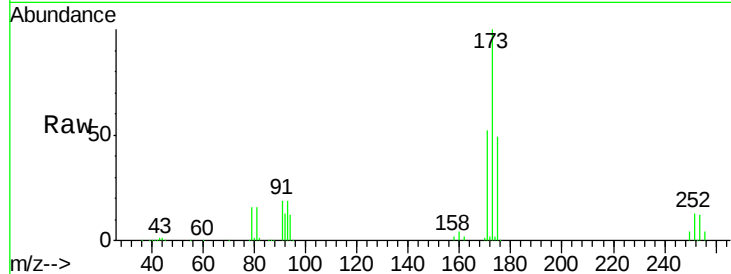
#71
Bromoform
Concen: 50.158 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

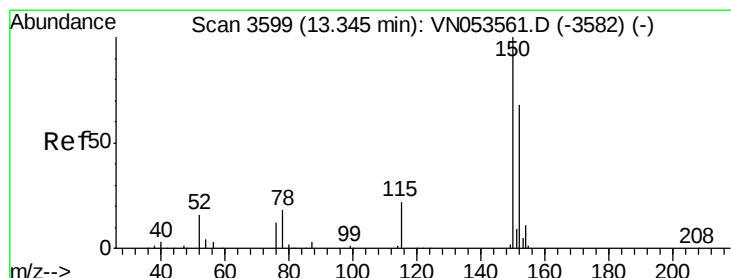
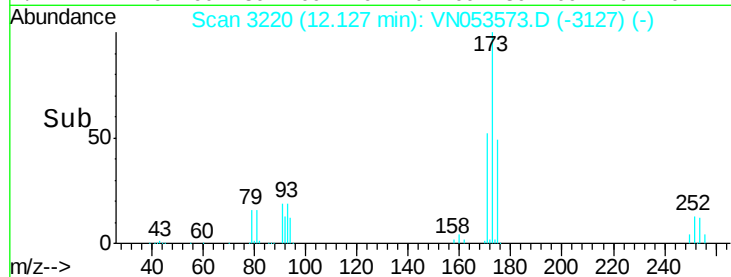
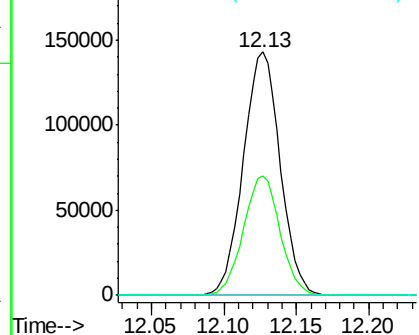
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	252679		
175	48.8	24.6	74.0	
254	0.0	0.2	0.2#	

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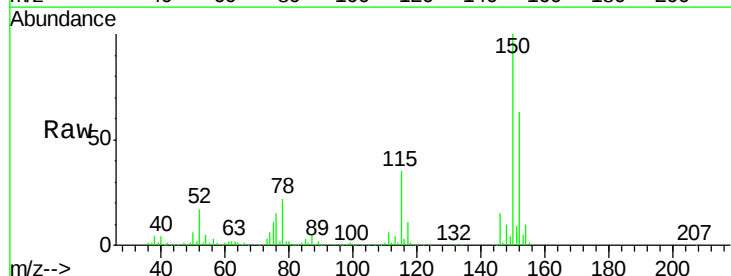


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

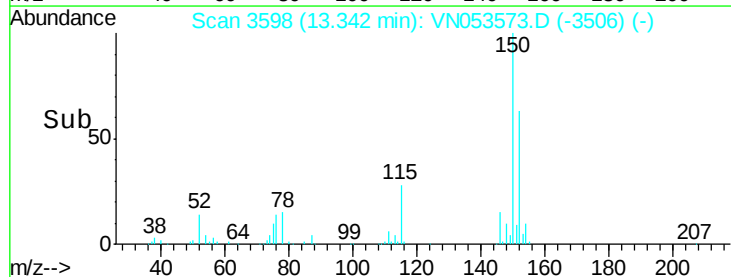
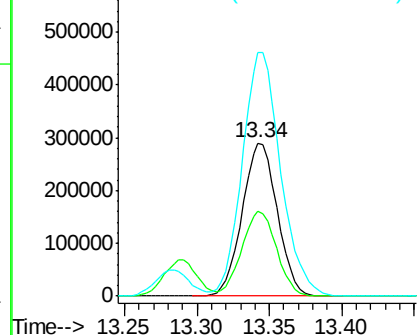


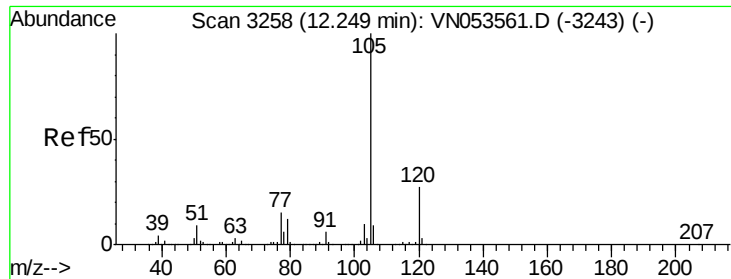
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	486012		
115	55.1	27.8	83.4	
150	174.1	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: 48.145 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1644906

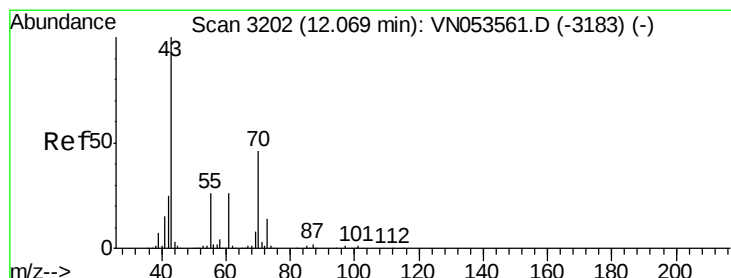
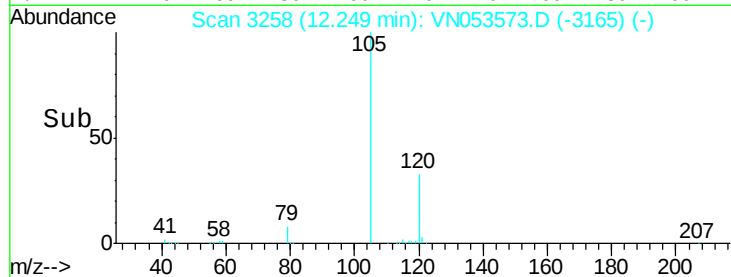
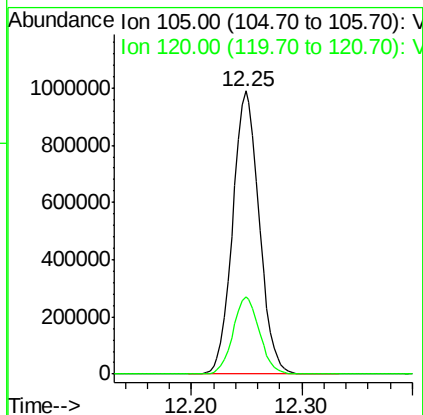
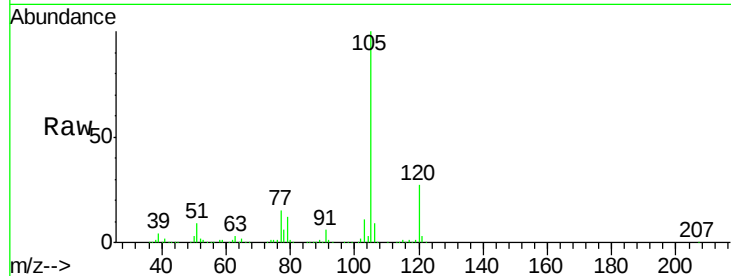
Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 46.591 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion: 43 Resp: 382781

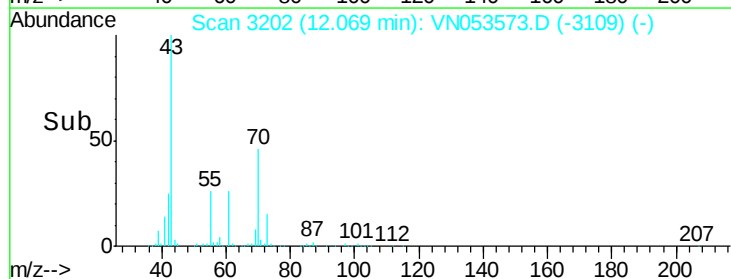
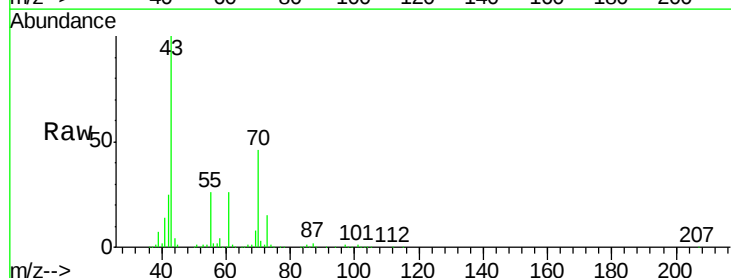
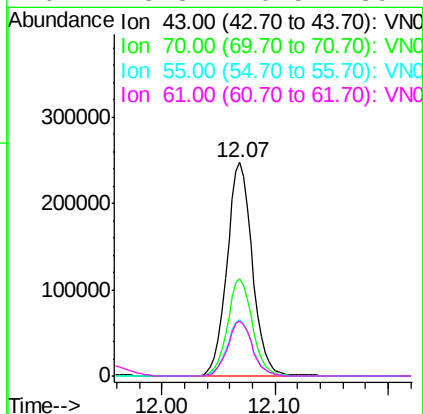
Ion Ratio Lower Upper

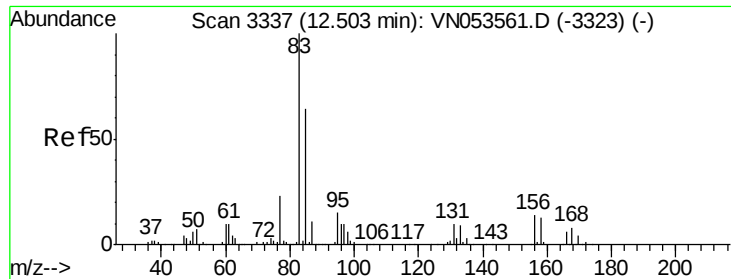
43 100

70 45.0 35.4 53.2

55 26.5 20.9 31.3

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.655 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

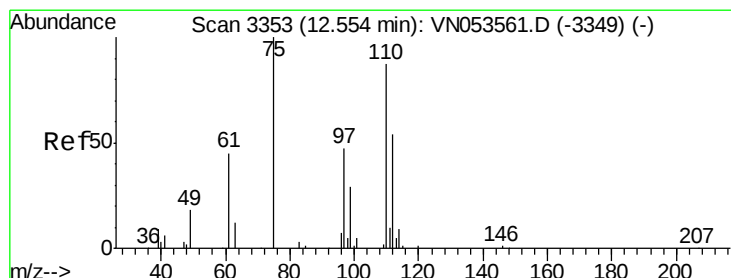
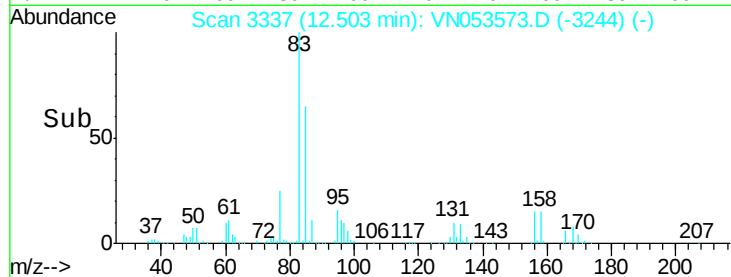
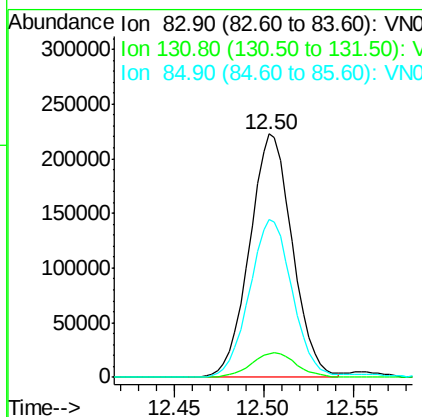
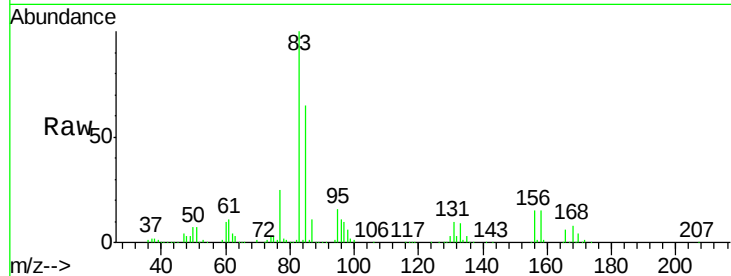
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	373314
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	65.1	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.225 ug/l m

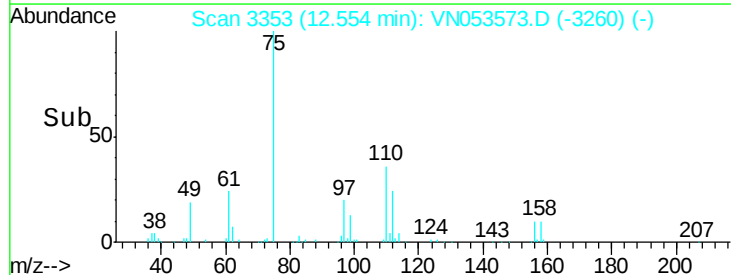
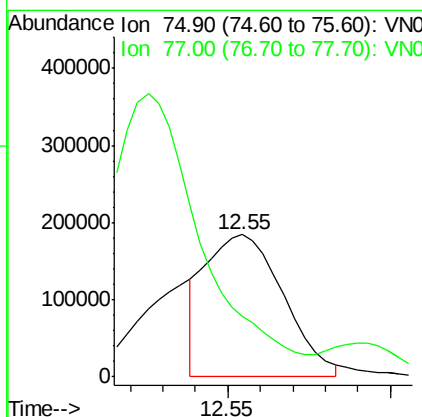
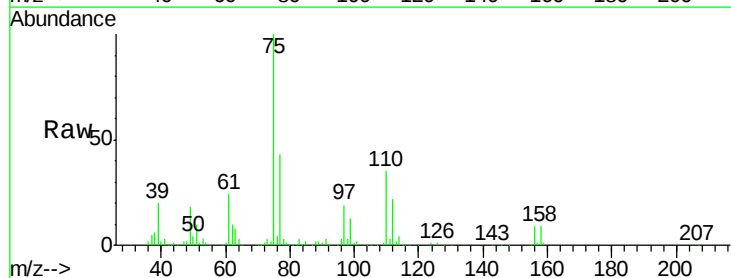
RT: 12.55 min Scan# 3353

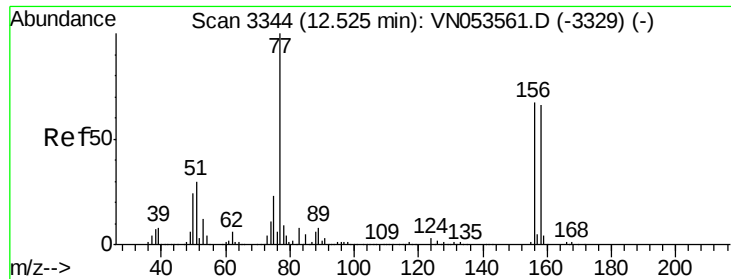
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	75	Resp:	307291
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

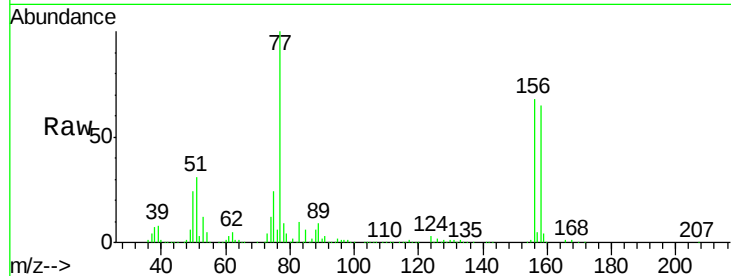
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	440238
Ion Ratio	Lower	Upper	
156	100		
77	171.0	87.9	263.8
158	96.6	48.8	146.4

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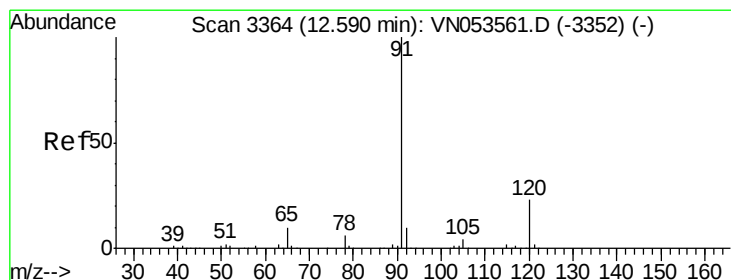
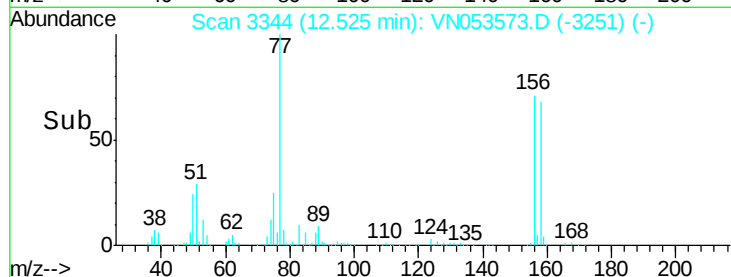
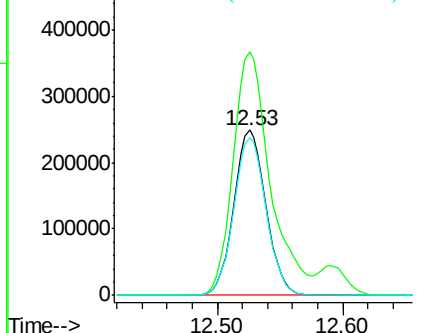
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.766 ug/l

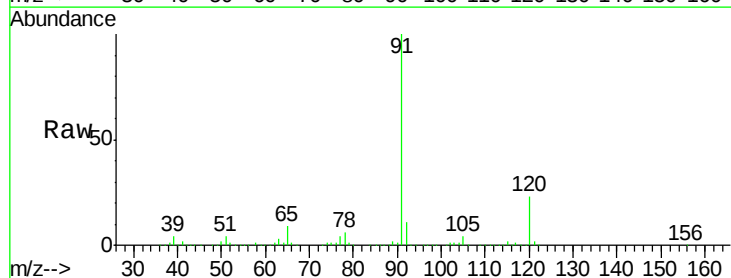
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053573.D

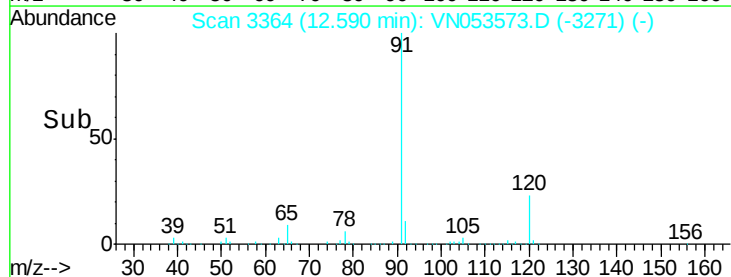
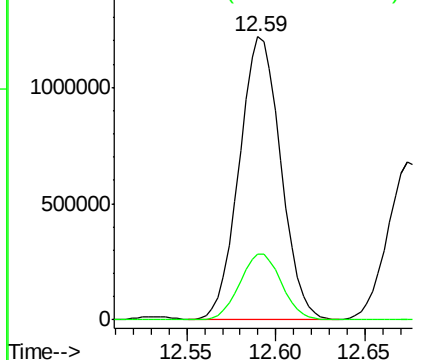
Acq: 1 Feb 2019 13:27

Tgt Ion:	91	Resp:	1965583
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.550 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1137635

Ion Ratio Lower Upper

91 100

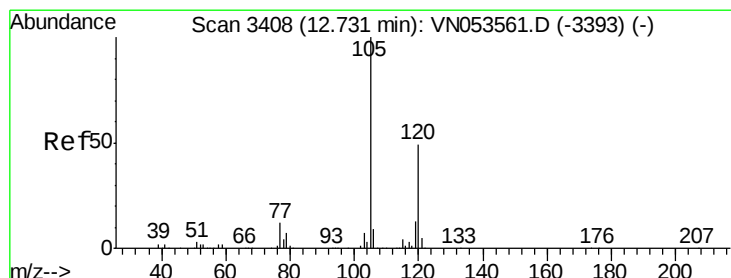
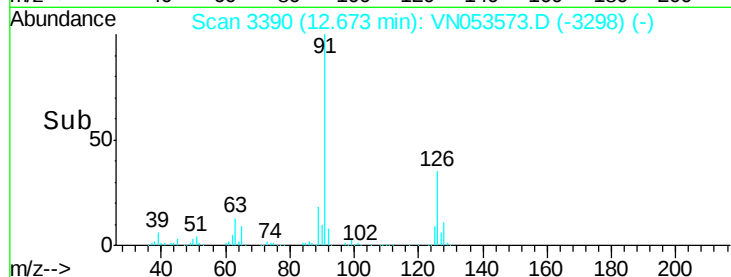
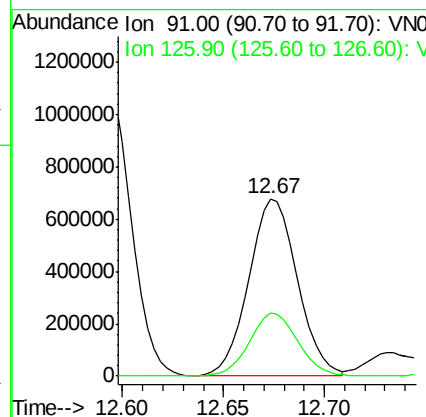
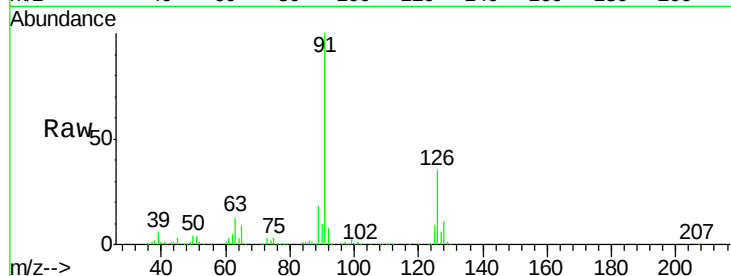
126 35.6 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.366 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053573.D

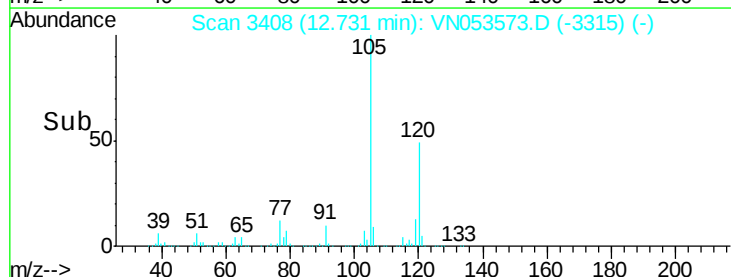
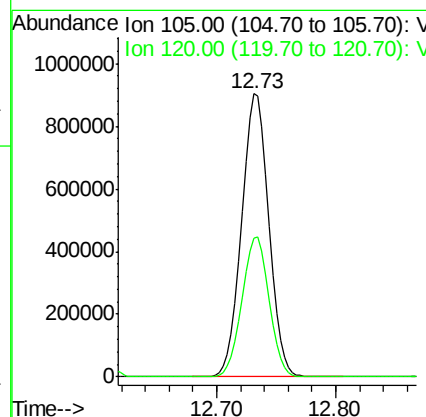
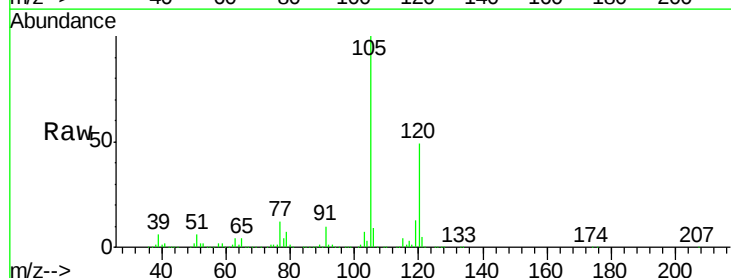
Acq: 1 Feb 2019 13:27

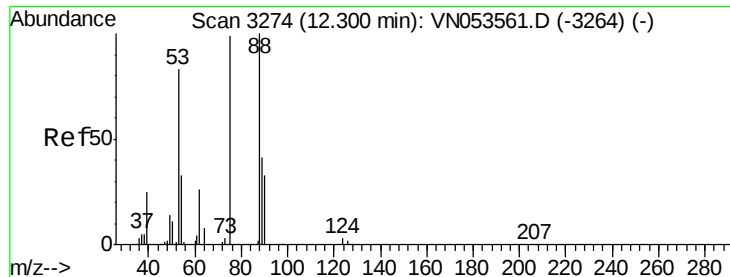
Tgt Ion: 105 Resp: 1426968

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





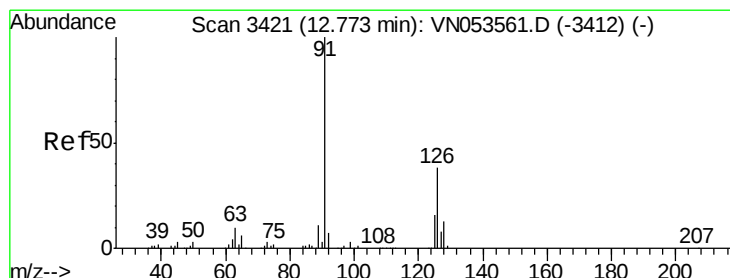
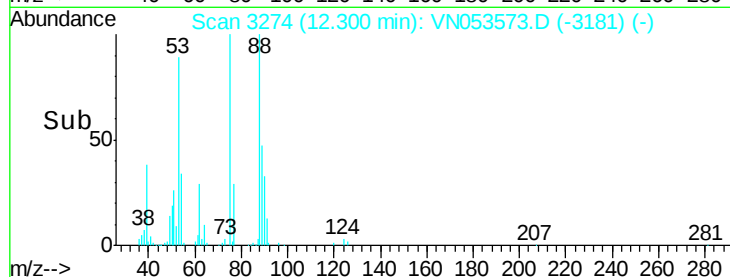
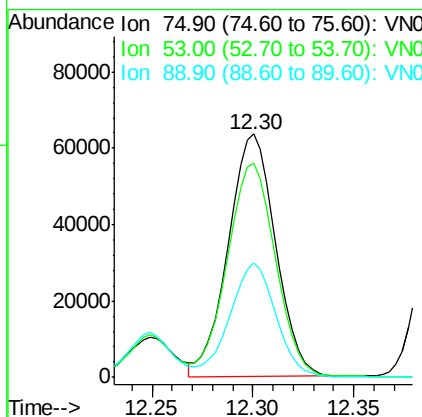
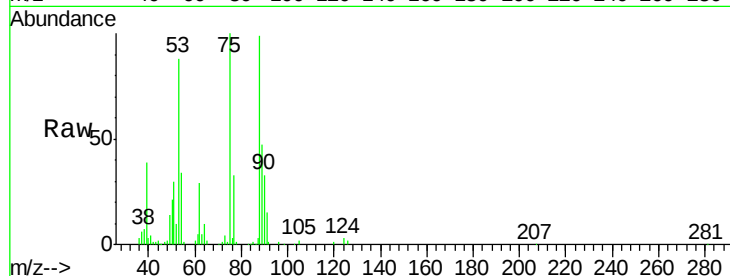
#81
trans-1,4-Dichloro-2-butene
Concen: 47.123 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.0	69.8	104.6
89	45.6	35.6	53.4

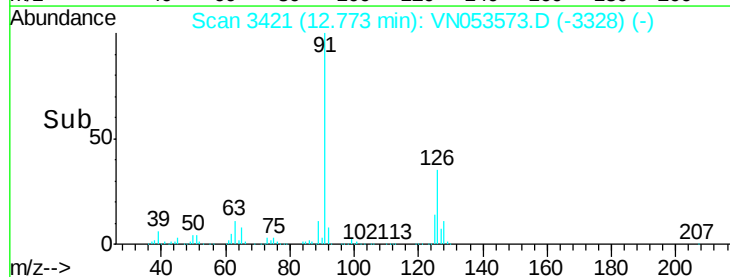
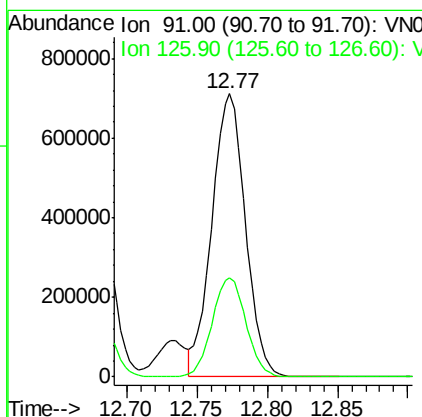
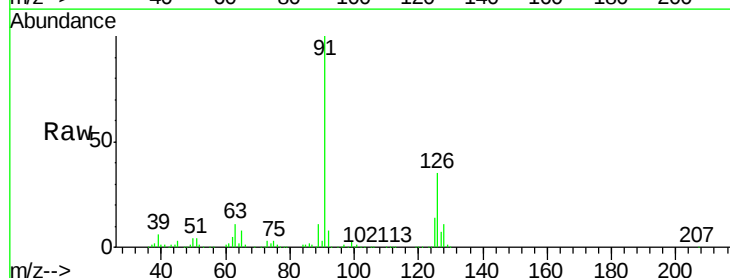
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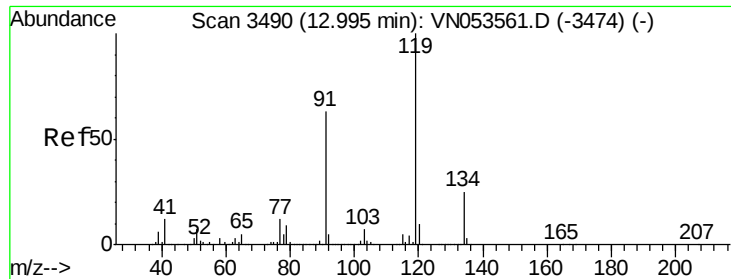
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#82
4-Chlorotoluene
Concen: 48.664 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





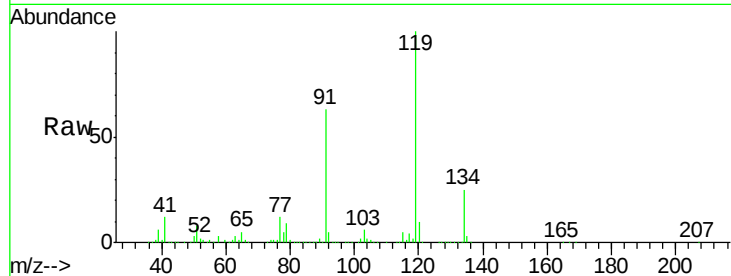
#83
 tert-Butylbenzene
 Concen: 48.879 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

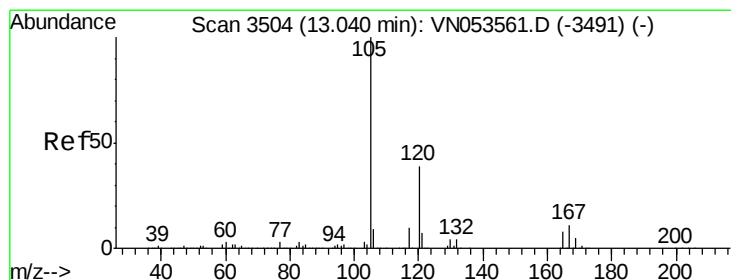
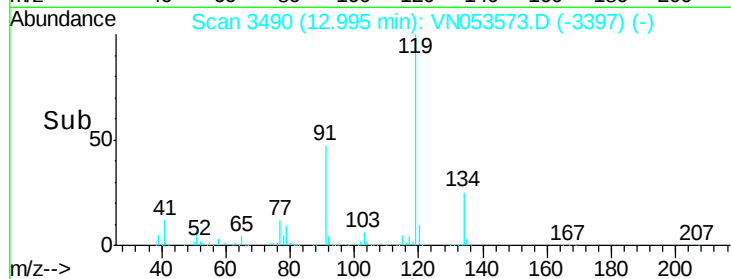
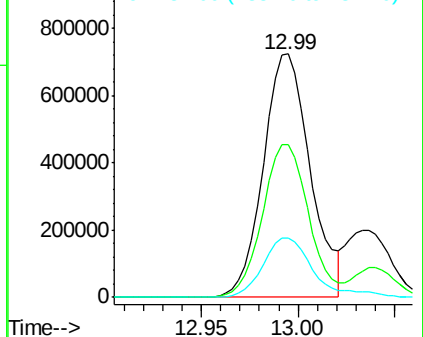
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.3	93.8
134	26.3	12.9	38.7

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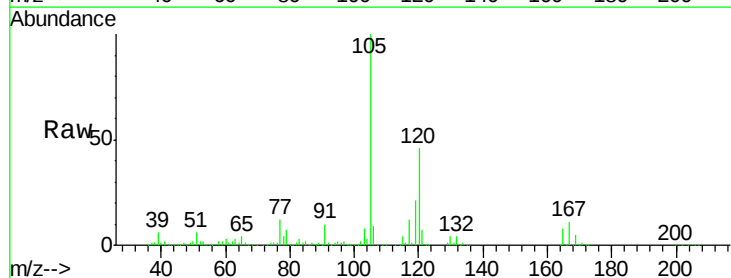


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

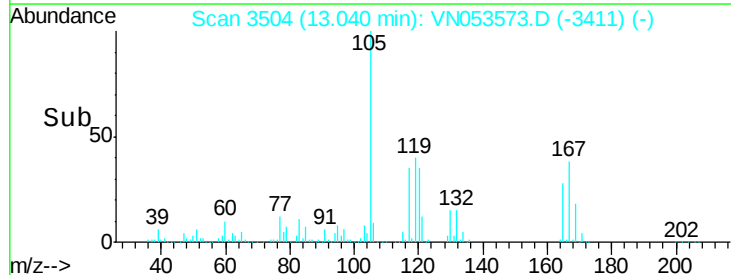
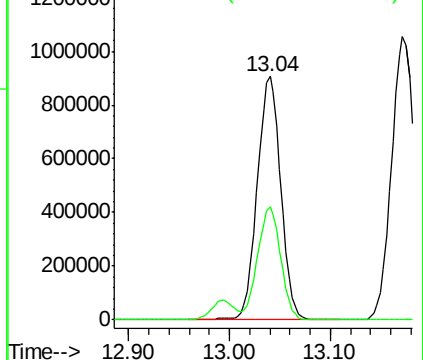


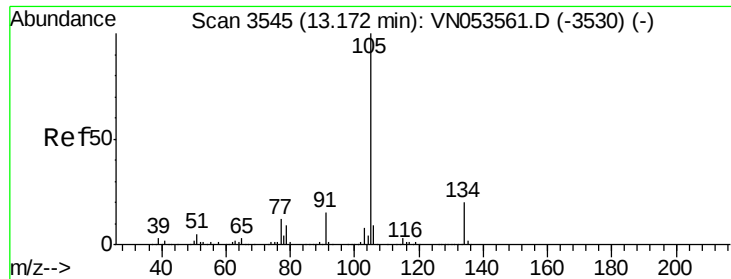
#84
 1,2,4-Trimethylbenzene
 Concen: 50.374 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.0	69.0



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





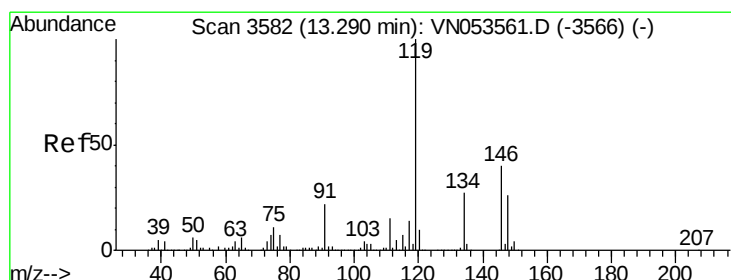
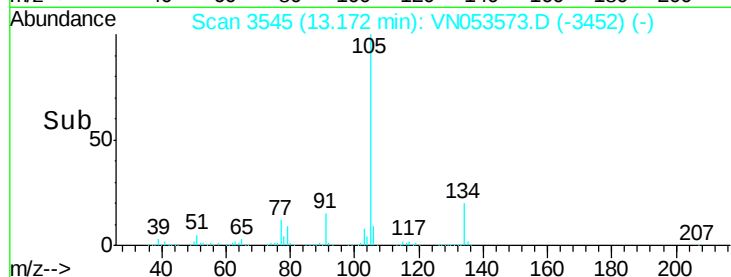
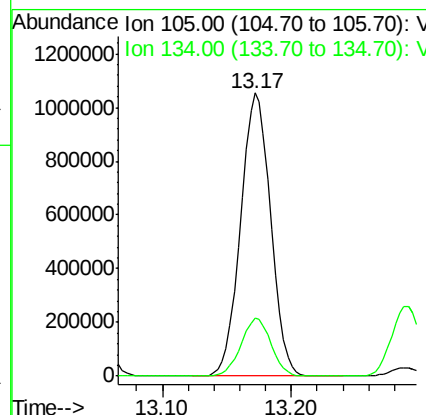
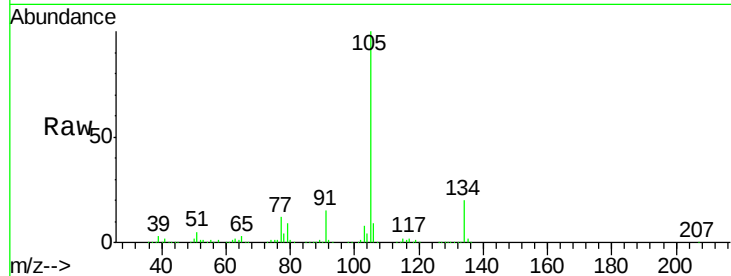
#85
 sec-Butylbenzene
 Concen: 49.782 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1696313
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6

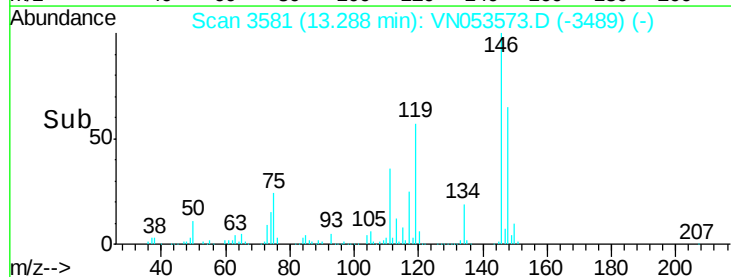
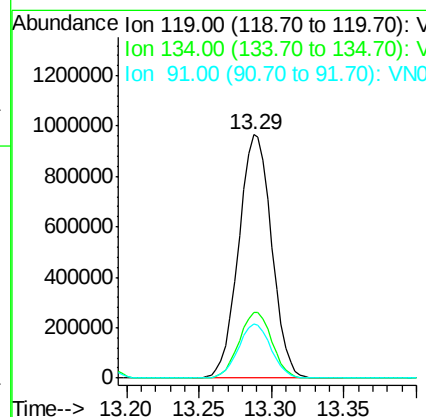
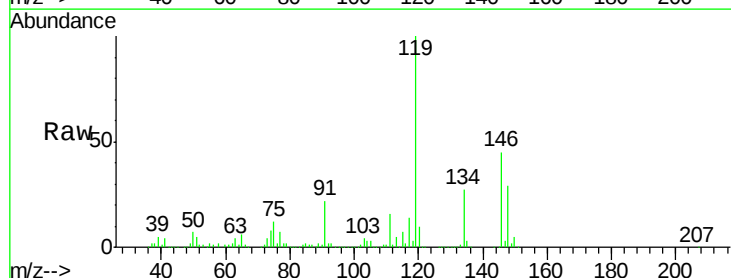
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#86
 p-Isopropyltoluene
 Concen: 50.895 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion:119 Resp: 1516760
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 47.957 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

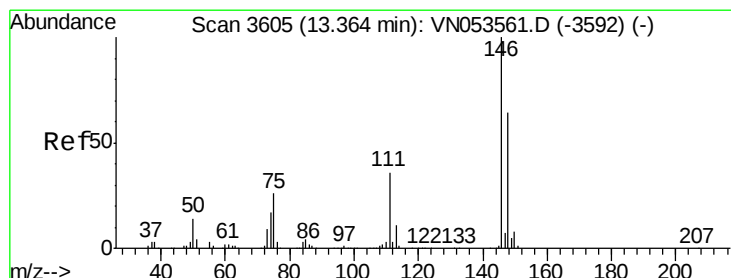
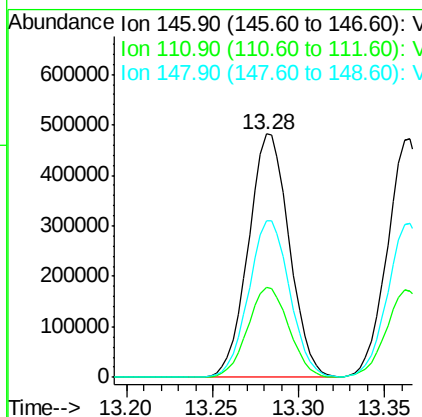
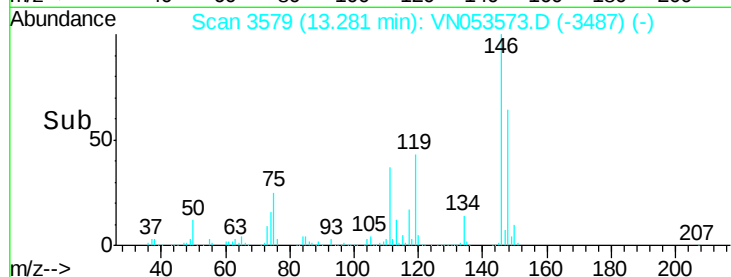
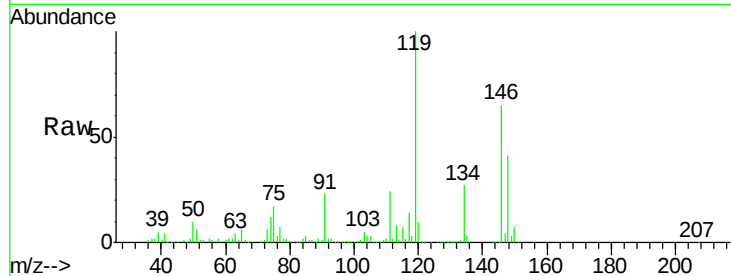
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	793823
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.3
148	64.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.415 ug/l

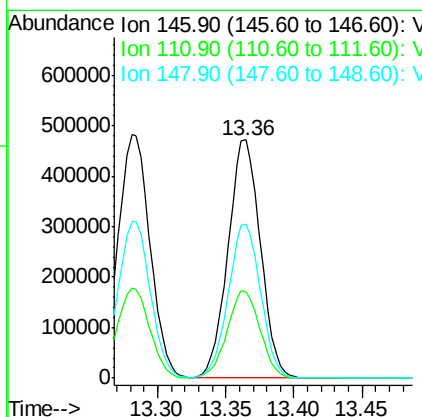
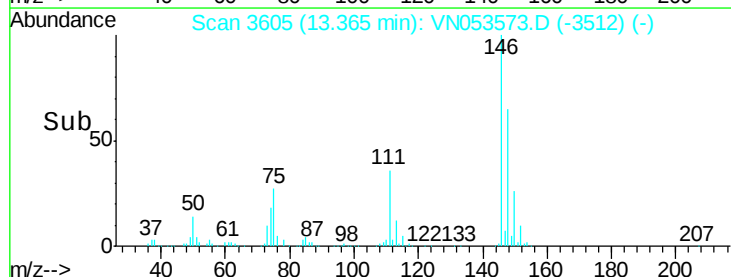
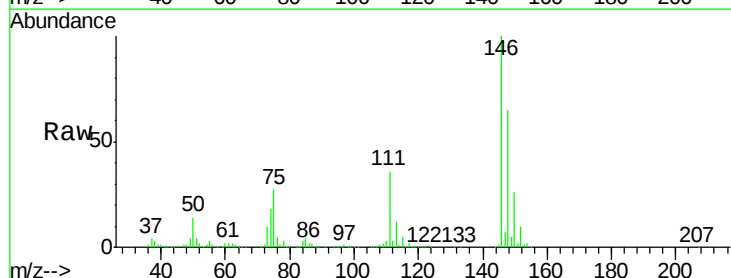
RT: 13.36 min Scan# 3605

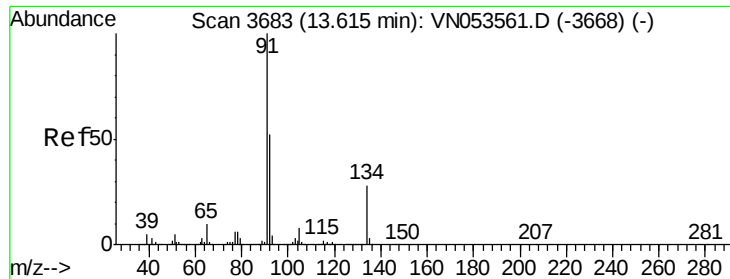
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:	146	Resp:	776370
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.6	55.8
148	64.8	32.4	97.0





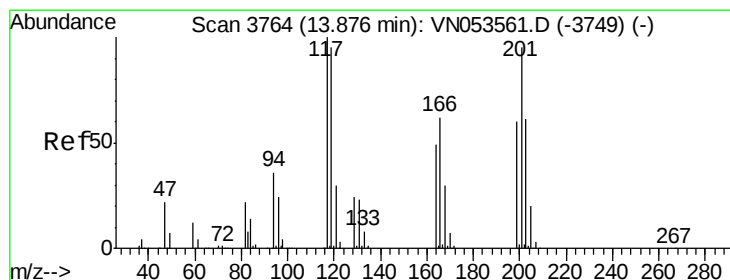
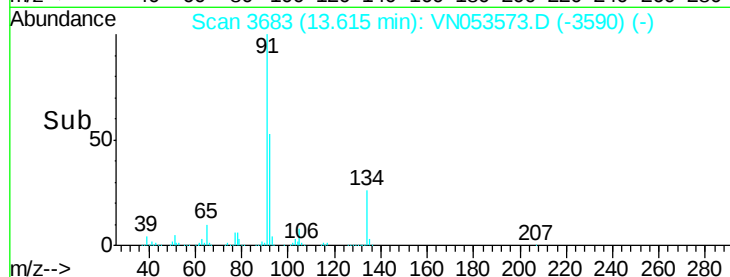
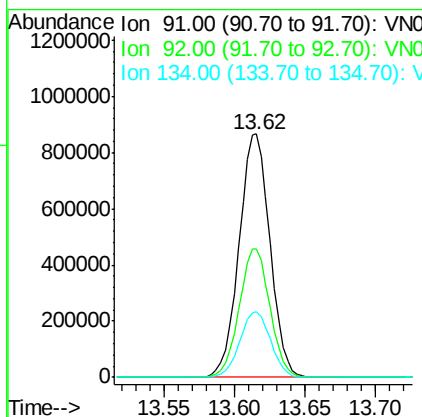
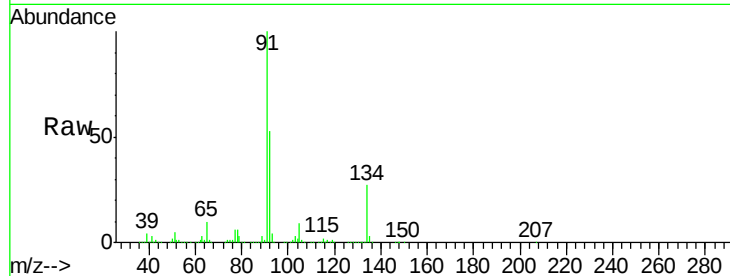
#89
n-Butylbenzene
Concen: 51.418 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1326329
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.0 13.5 40.5

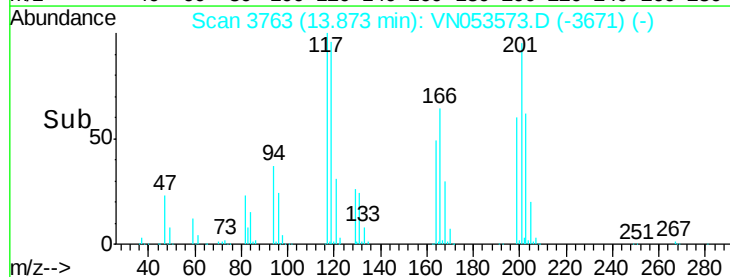
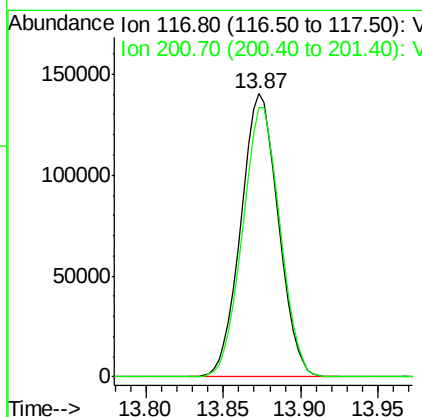
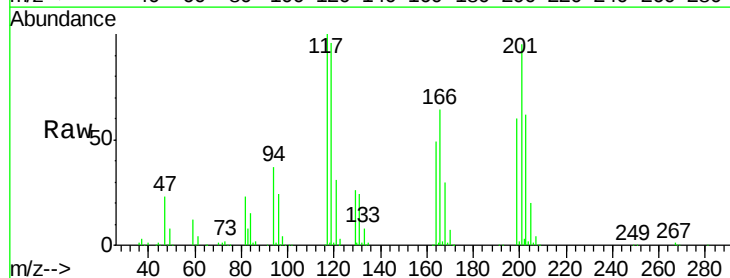
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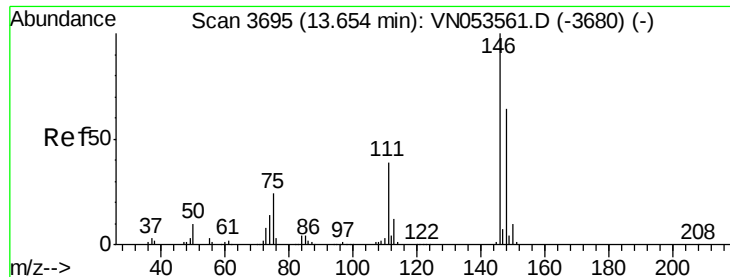
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#90
Hexachloroethane
Concen: 48.086 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 117 Resp: 236375
Ion Ratio Lower Upper
117 100
201 95.5 46.8 140.4





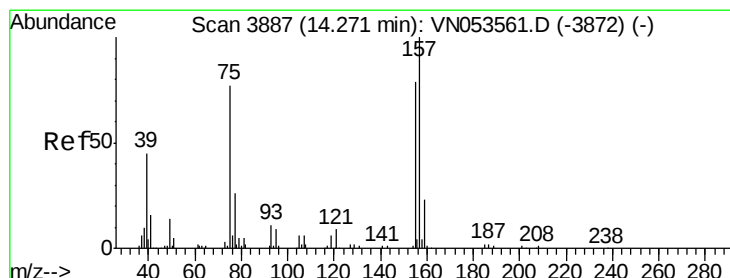
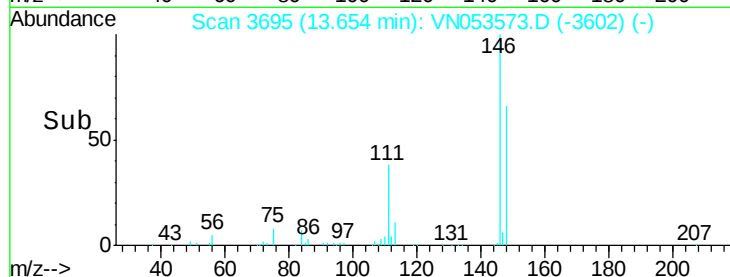
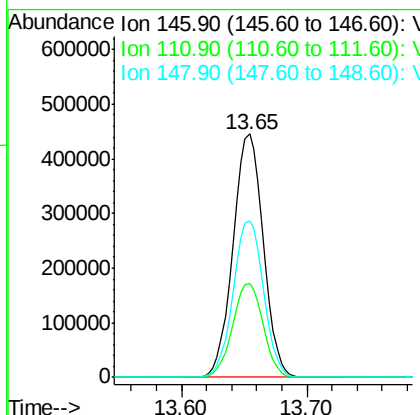
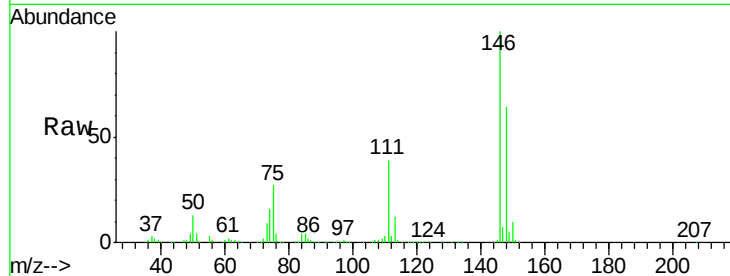
#91
 1,2-Dichlorobenzene
 Concen: 47.117 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.5	31.9	95.9

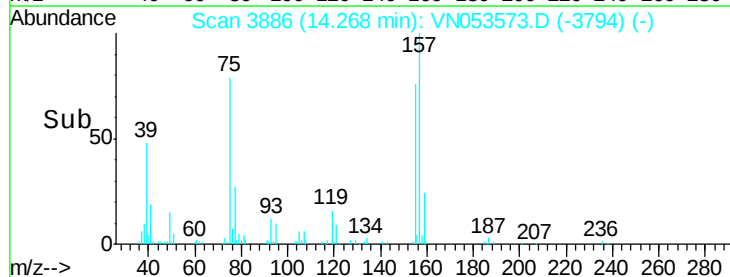
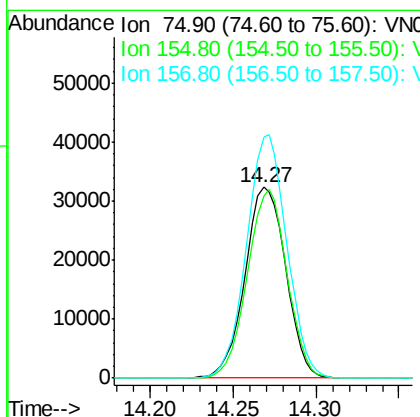
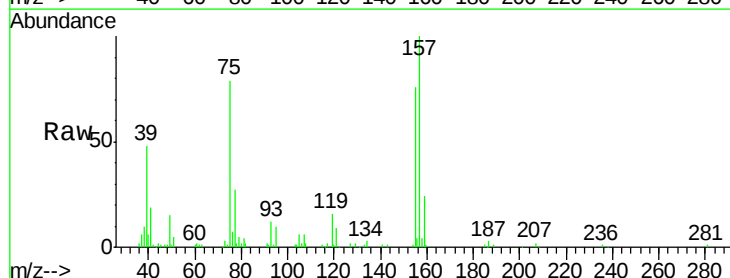
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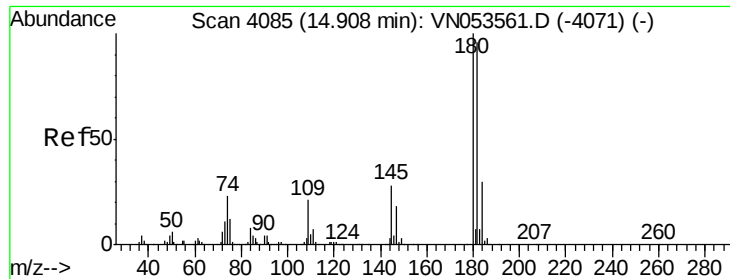
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.511 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	48.9	146.7
157	125.6	63.7	191.3





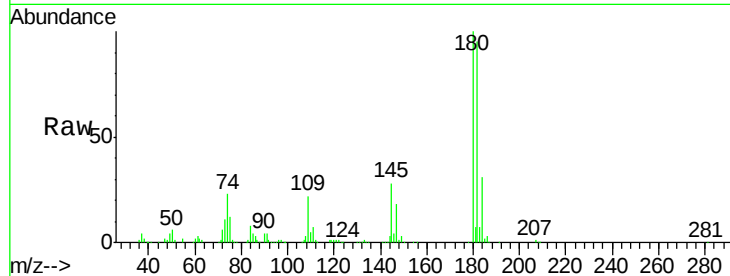
#93
 1,2,4-Trichlorobenzene
 Concen: 52.329 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

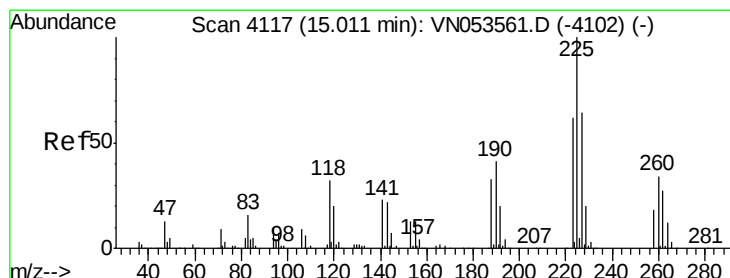
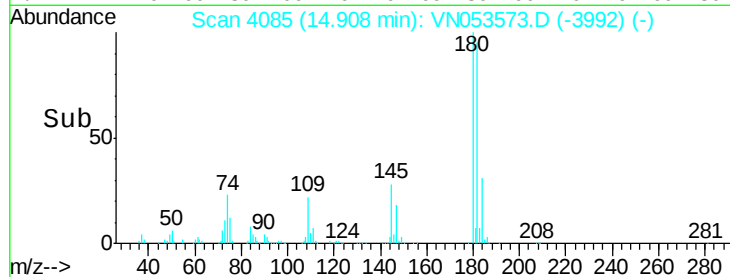
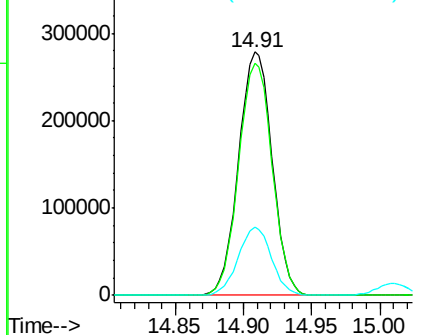
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	475593		
182	95.7	48.1	144.3	
145	27.7	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:49:17 AM

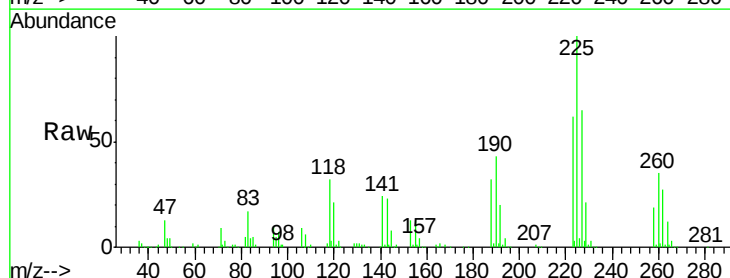


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

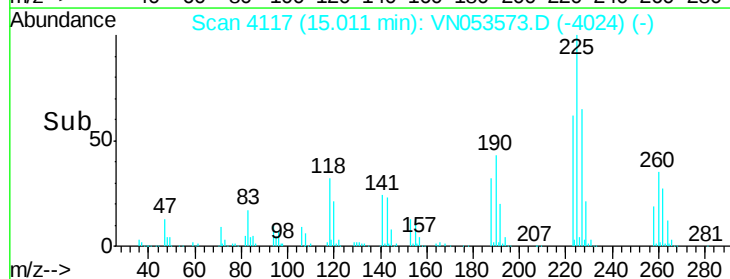
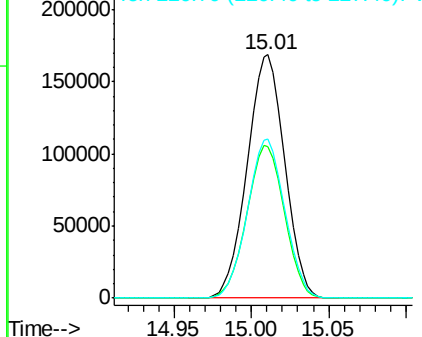


#94
 Hexachlorobutadiene
 Concen: 50.447 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	285528		
223	62.7	31.1	93.2	
227	65.0	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





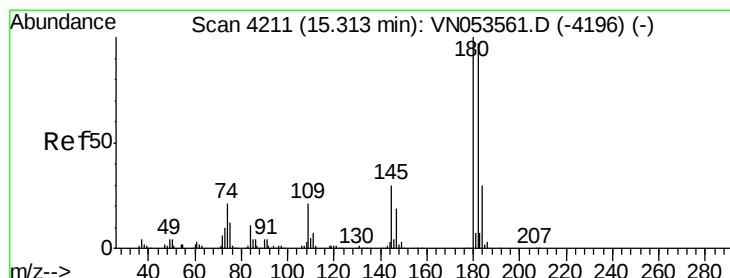
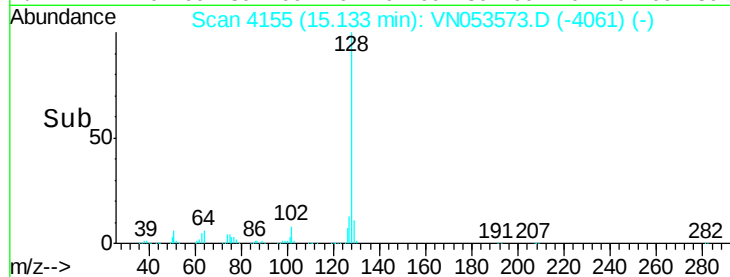
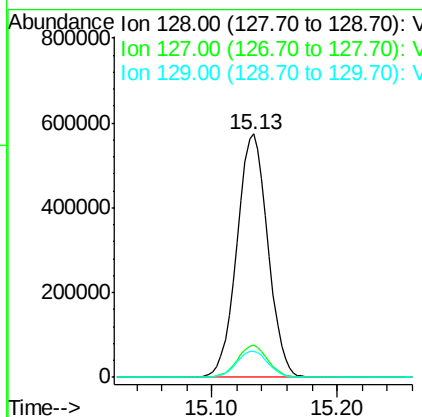
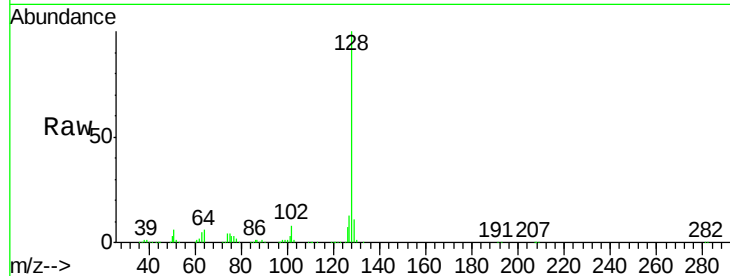
#95
Naphthalene
Concen: 46.133 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	981957		
127	12.9	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
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MMDadoda
2/4/2019 9:49:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.588 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	443479		
182	95.2	47.9	143.8	
145	29.1	14.7	44.1	

