

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053720.D
 Acq On : 12 Feb 2019 10:15
 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
 2/13/2019 12:16:05 PM

Quant Time: Feb 13 04:33:08 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	7.67	168	754190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1106907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	973596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	472795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	380470	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.59	113	366491	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.09	98	1366100	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.40	95	456524	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	396712	46.681	ug/l	99
3) Chloromethane	2.06	50	422814	47.222	ug/l	98
4) Vinyl Chloride	2.19	62	420666	48.398	ug/l	100
5) Bromomethane	2.57	94	279096	49.110	ug/l	97
6) Chloroethane	2.71	64	266313	53.617	ug/l	99
7) Trichlorofluoromethane	3.02	101	626692	53.169	ug/l	99
8) Diethyl Ether	3.41	74	228052	52.979	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	394030	54.054	ug/l	98
10) Methyl Iodide	3.96	142	531834	46.483	ug/l	99
11) Tert butyl alcohol	4.78	59	135787	303.249	ug/l	99
12) 1,1-Dichloroethene	3.74	96	363717	52.079	ug/l	97
13) Acrolein	3.61	56	63144	259.006	ug/l	99
14) Allyl chloride	4.33	41	582961	52.425	ug/l	99
15) Acrylonitrile	4.99	53	658774	272.524	ug/l	99
16) Acetone	3.81	43	625862	322.494	ug/l	99
17) Carbon Disulfide	4.06	76	1007413	46.325	ug/l	100
18) Methyl Acetate	4.32	43	348342	60.609	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	949309	53.619	ug/l	98
20) Methylene Chloride	4.55	84	414471	50.905	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	364628	48.393	ug/l	98
22) Diisopropyl ether	5.95	45	1089983	52.900	ug/l	97
23) Vinyl Acetate	5.90	43	3771521	264.597	ug/l	99
24) 1,1-Dichloroethane	5.85	63	675897	49.181	ug/l	99
25) 2-Butanone	6.83	43	776232	280.445	ug/l	100
26) 2,2-Dichloropropane	6.82	77	524646	50.010	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	427277	50.998	ug/l	97
28) Bromochloromethane	7.19	49	301312	50.523	ug/l	96
29) Tetrahydrofuran	7.21	42	485136	272.959	ug/l	98
30) Chloroform	7.37	83	677068	49.699	ug/l	100
31) Cyclohexane	7.65	56	600945	46.956	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	571816	50.436	ug/l	99
36) 1,1-Dichloropropene	7.79	75	515295	51.643	ug/l	99
37) Ethyl Acetate	6.93	43	323105	57.979	ug/l	99
38) Carbon Tetrachloride	7.77	117	511864	50.922	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	607947	51.356	ug/l	99
40) Benzene	8.04	78	1561264	50.740	ug/l	100
41) Methacrylonitrile	7.17	41	188512	60.525	ug/l	94
42) 1,2-Dichloroethane	8.12	62	467659	51.187	ug/l	99
43) Isopropyl Acetate	8.16	43	558168	51.863	ug/l	100
44) Trichloroethene	8.83	130	439505	50.172	ug/l	99
45) 1,2-Dichloropropane	9.12	63	413290	52.514	ug/l	99
46) Dibromomethane	9.21	93	246497	51.957	ug/l	97
47) Bromodichloromethane	9.40	83	519228	52.638	ug/l	98
48) Methyl methacrylate	9.20	41	269071	52.376	ug/l	93
49) 1,4-Dioxane	9.20	88	85966	1148.794	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1481065	280.049	ug/l	99
52) Toluene	10.16	92	951021	52.077	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530238	53.682	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	615392	52.576	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	355875	54.081	ug/l	99
56) Ethyl methacrylate	10.43	69	429511	55.174	ug/l	99
57) 1,3-Dichloropropane	10.71	76	588645	52.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1038872	216.298	ug/l	98
59) 2-Hexanone	10.75	43	984918	274.329	ug/l	99
60) Dibromochloromethane	10.90	129	401915	54.162	ug/l	99
61) 1,2-Dibromoethane	11.00	107	339622	52.144	ug/l	100
64) Tetrachloroethene	10.63	164	428461	51.338	ug/l	98
65) Chlorobenzene	11.43	112	1057481	51.135	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	385233	53.339	ug/l	99
67) Ethyl Benzene	11.51	91	1769195	52.079	ug/l	99
68) m/p-Xylenes	11.62	106	1379421	106.391	ug/l	99
69) o-Xylene	11.95	106	666082	53.176	ug/l	99
70) Styrene	11.96	104	1095877	53.978	ug/l	99
71) Bromoform	12.13	173	281282	56.808	ug/l #	100
73) Isopropylbenzene	12.25	105	1754831	52.798	ug/l	100
74) N-amyl acetate	12.07	43	446643	55.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	417022	52.426	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	343283m	56.528	ug/l	
77) Bromobenzene	12.53	156	460032	51.357	ug/l	99
78) n-propylbenzene	12.59	91	2052537	53.421	ug/l	100
79) 2-Chlorotoluene	12.67	91	1198347	52.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1517774	55.069	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118095	54.683	ug/l	100
82) 4-Chlorotoluene	12.77	91	1214122	51.906	ug/l	99
83) tert-Butylbenzene	12.99	119	1321731	54.260	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1547004	55.093	ug/l	99
85) sec-Butylbenzene	13.17	105	1804517	54.437	ug/l	99
86) p-Isopropyltoluene	13.29	119	1599651	55.177	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	827633	51.397	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	820023	51.481	ug/l	99
89) n-Butylbenzene	13.62	91	1372847	54.709	ug/l	100
90) Hexachloroethane	13.88	117	263689	55.142	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	814051	52.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62003	54.694	ug/l	98

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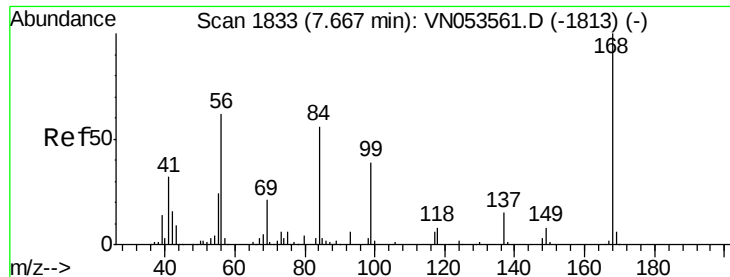
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	483403	54.675	ug/l	100
94) Hexachlorobutadiene	15.01	225	297389	54.011	ug/l	99
95) Naphthalene	15.13	128	989815	47.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	453665	55.300	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 754190

Ion Ratio Lower Upper

168 100

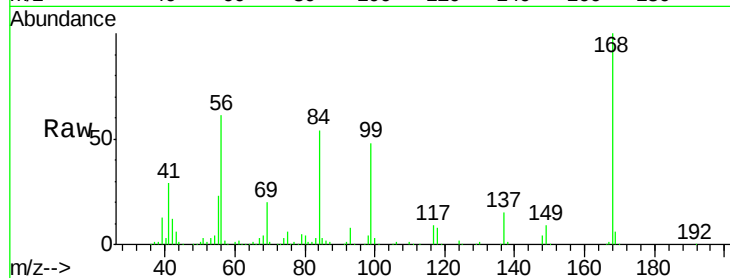
99 47.4 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

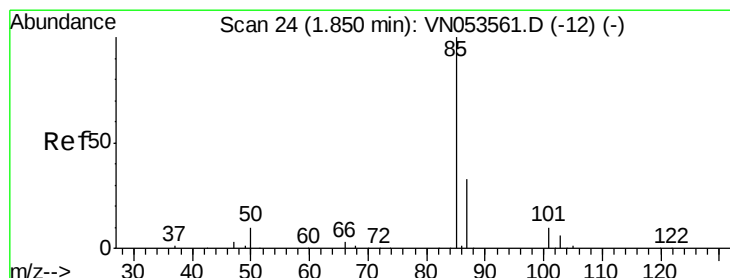
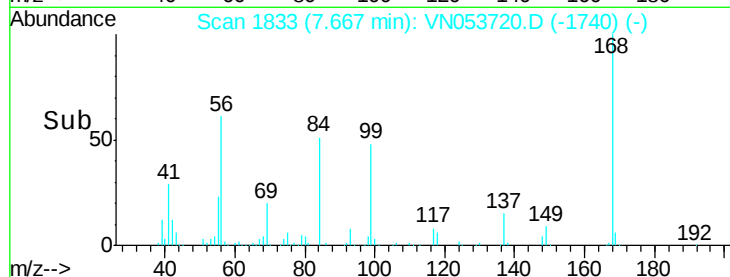
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 46.681 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053720.D

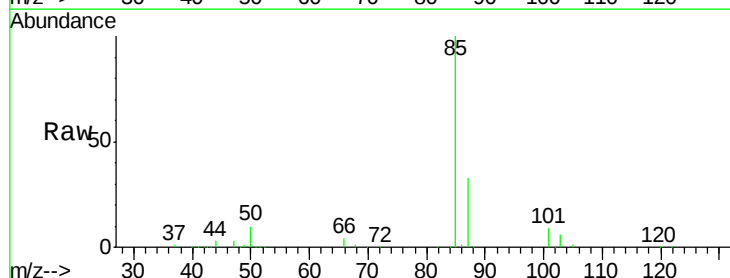
Acq: 12 Feb 2019 10:15

Tgt Ion: 85 Resp: 396712

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

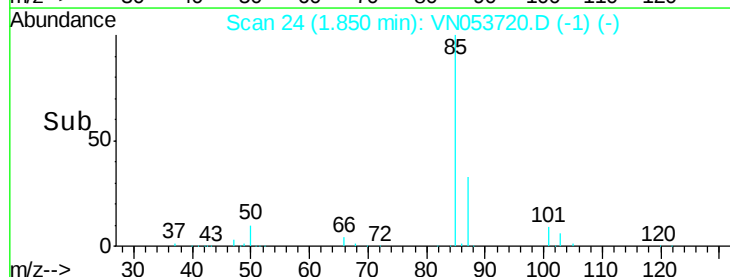
150000

100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 47.222 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 422814

Ion Ratio Lower Upper

50 100

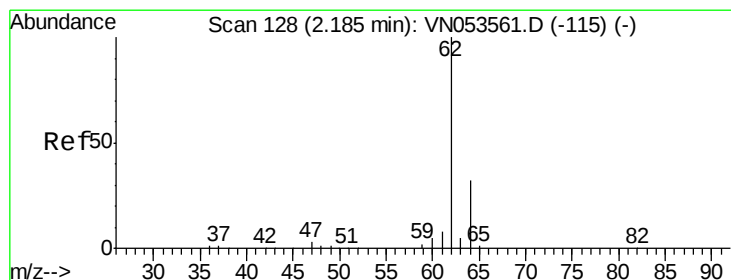
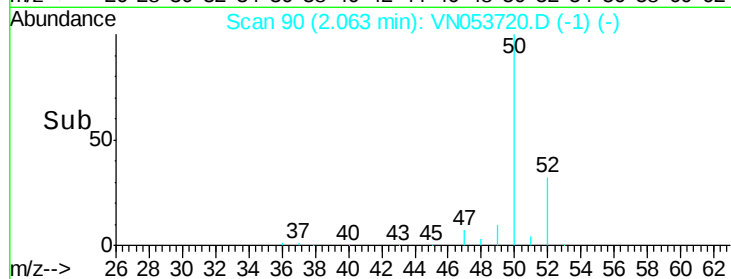
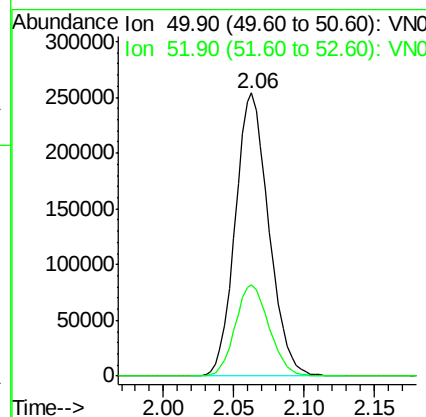
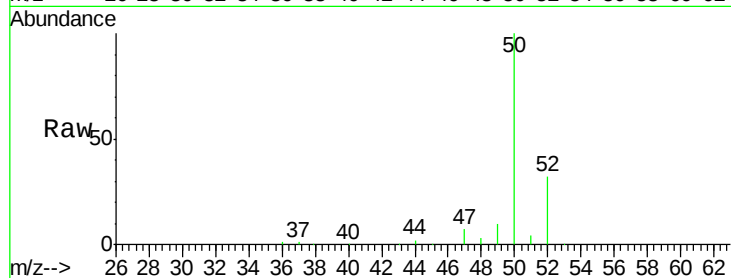
52 32.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.398 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053720.D

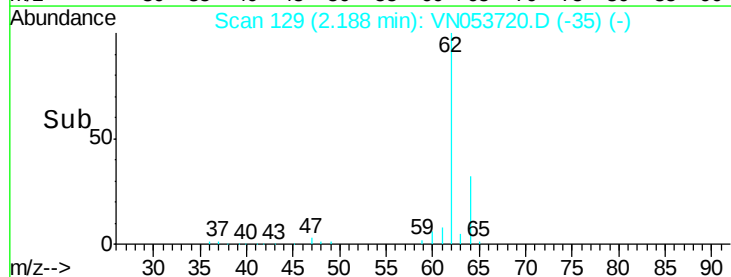
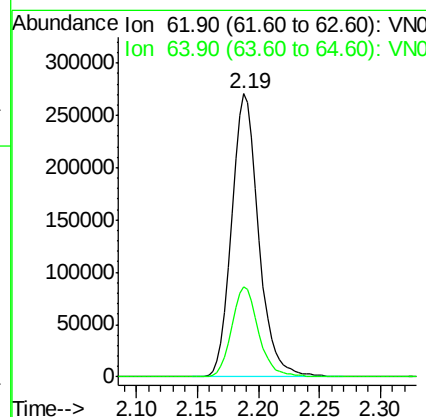
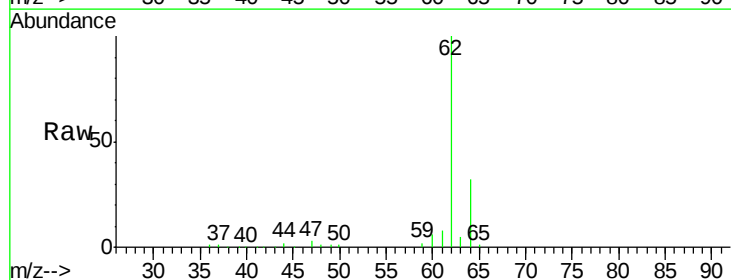
Acq: 12 Feb 2019 10:15

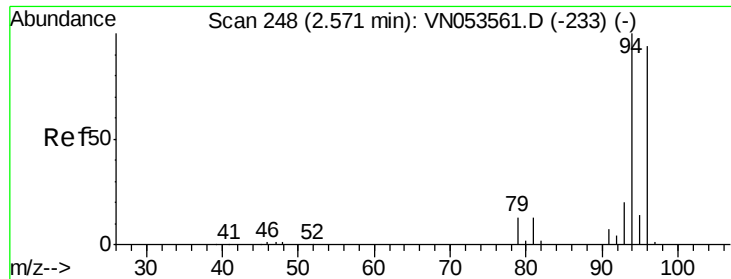
Tgt Ion: 62 Resp: 420666

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 49.110 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 279096

Ion Ratio Lower Upper

94 100

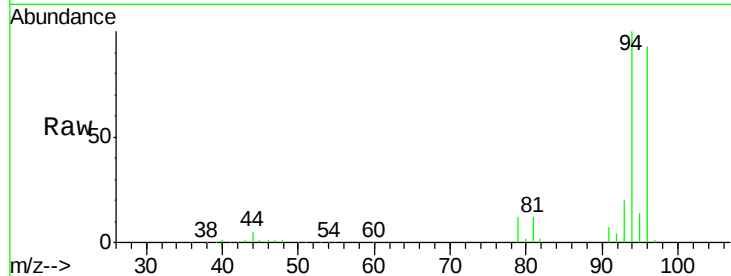
96 93.1 76.8 115.2

Manual Integrations

APPROVED

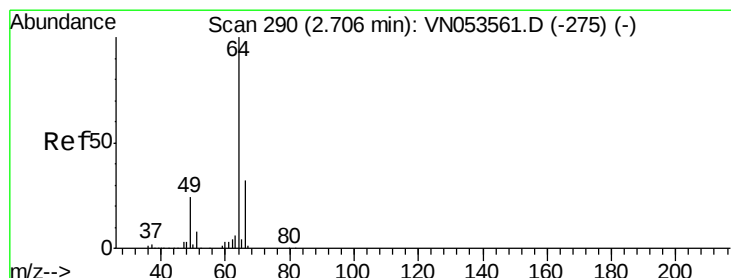
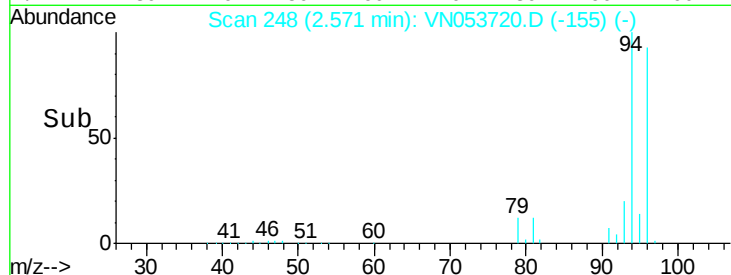
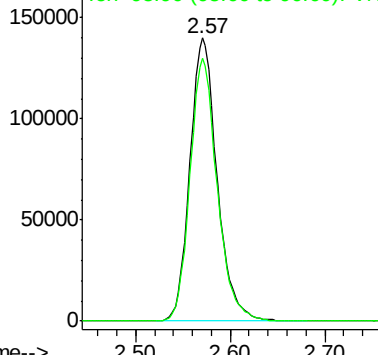
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.617 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053720.D

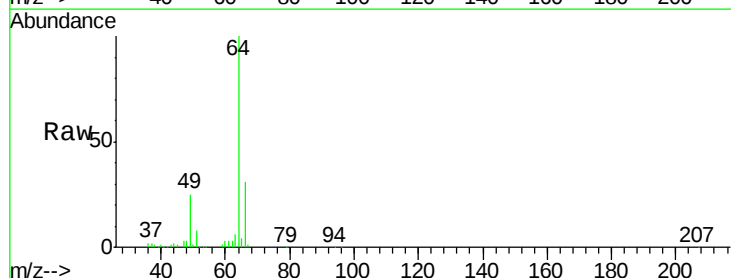
Acq: 12 Feb 2019 10:15

Tgt Ion: 64 Resp: 266313

Ion Ratio Lower Upper

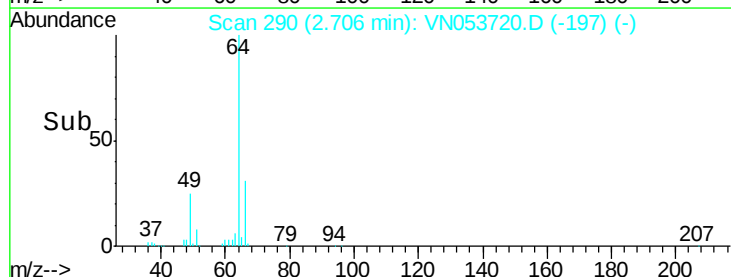
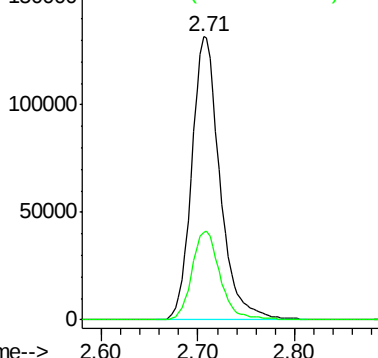
64 100

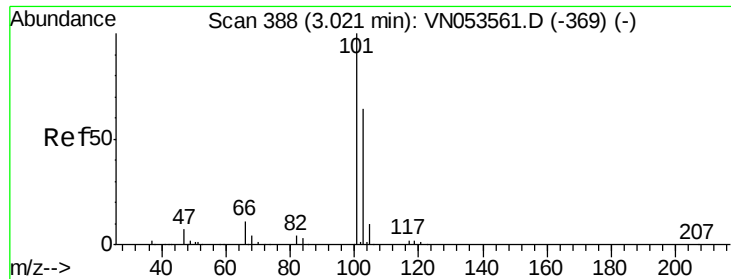
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

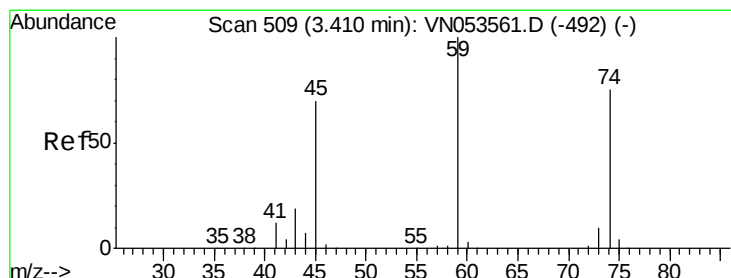
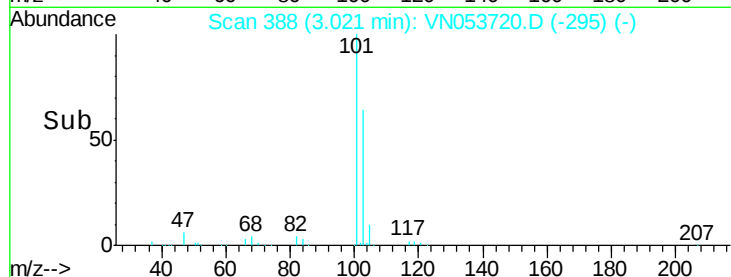
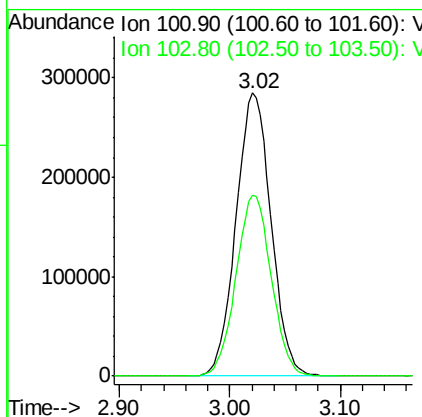
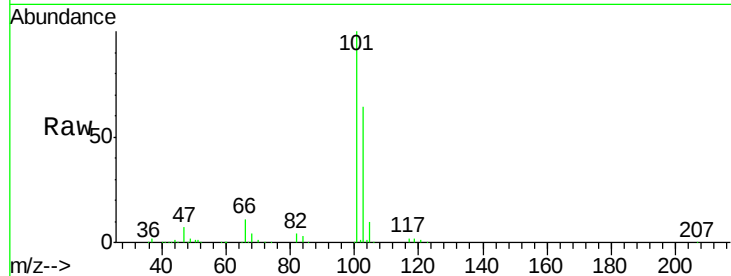
Trichlorofluoromethane
Concen: 53.169 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

Manual Integrations
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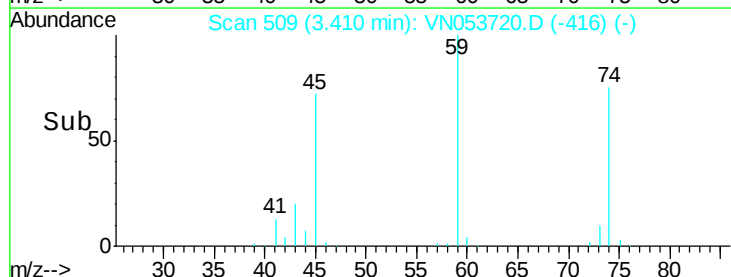
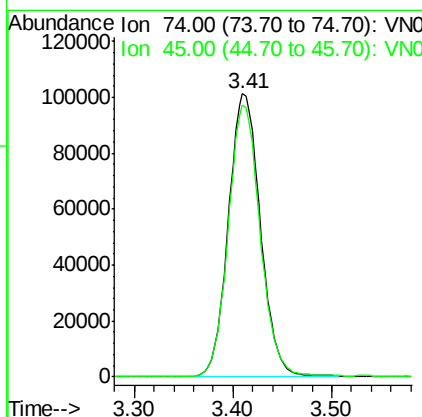
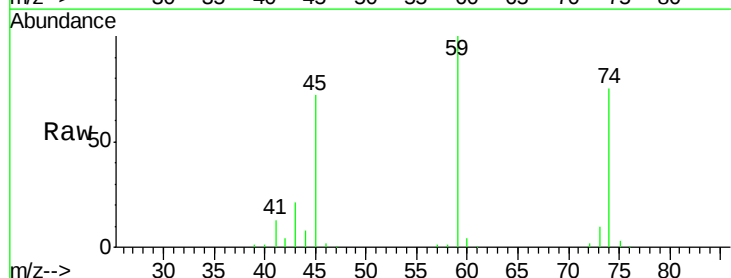
MMDadoda
2/13/2019 12:16:05 PM

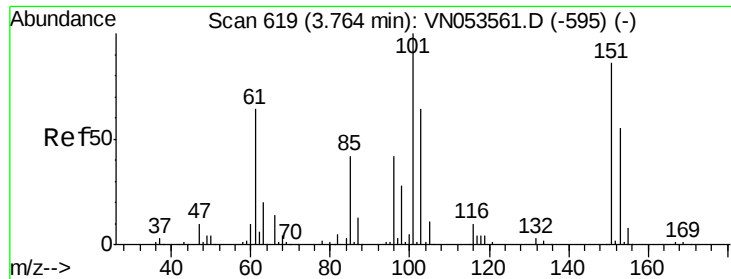


#8

Diethyl Ether
Concen: 52.979 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.7





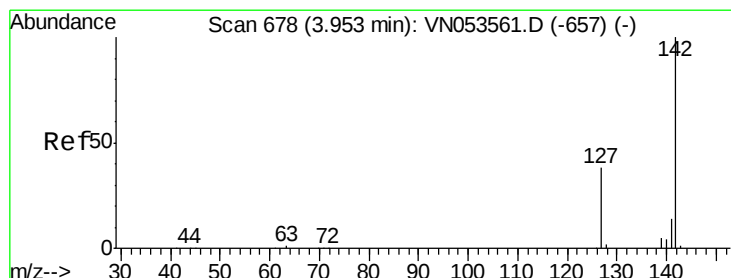
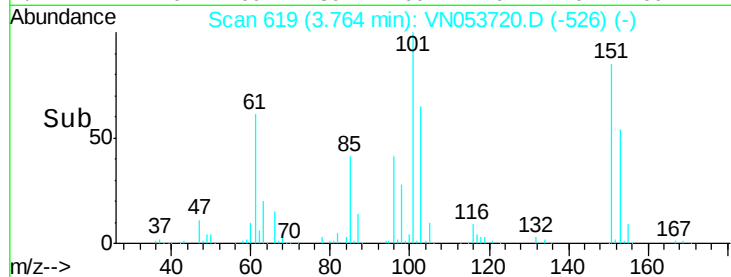
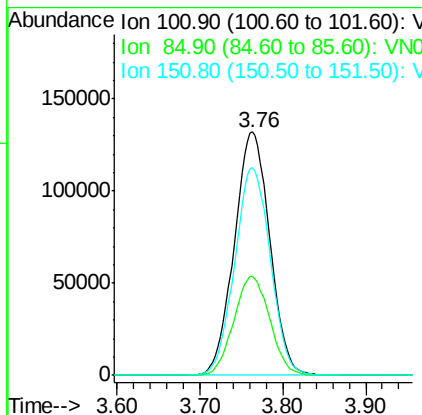
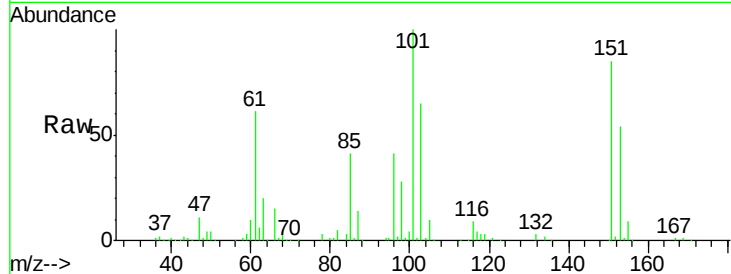
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.054 ug/l
RT: 3.76 min Scan# 619
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	394030		
85	41.1	32.8	49.2	
151	85.6	66.9	100.3	

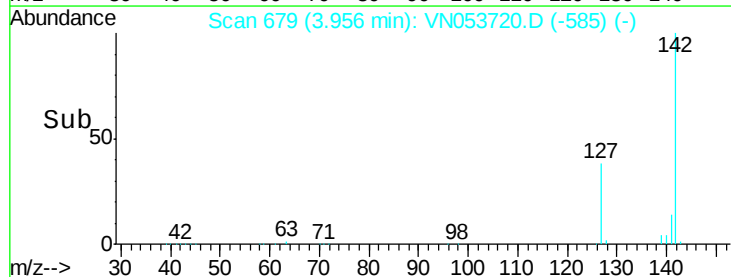
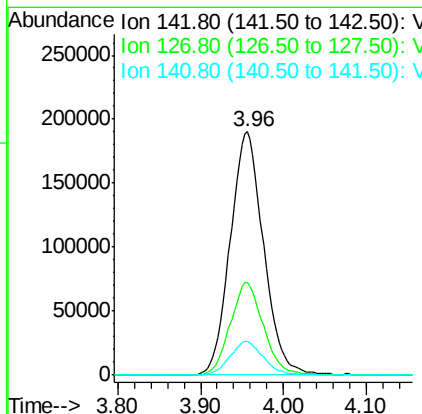
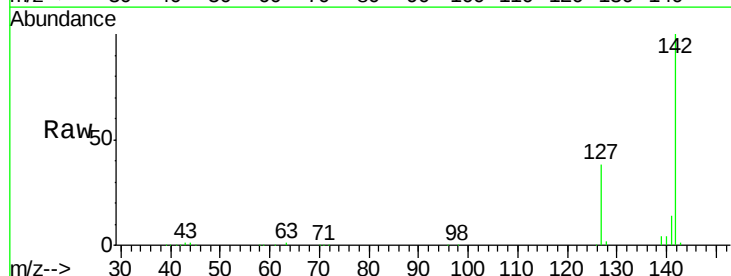
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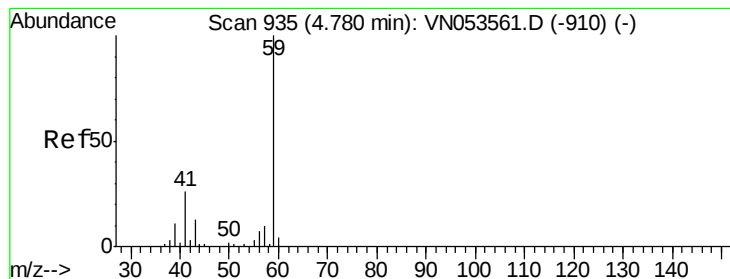
MMDadoda
2/13/2019 12:16:05 PM



#10
Methyl Iodide
Concen: 46.483 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	531834		
127	38.1	31.0	46.4	
141	13.8	11.1	16.7	





#11

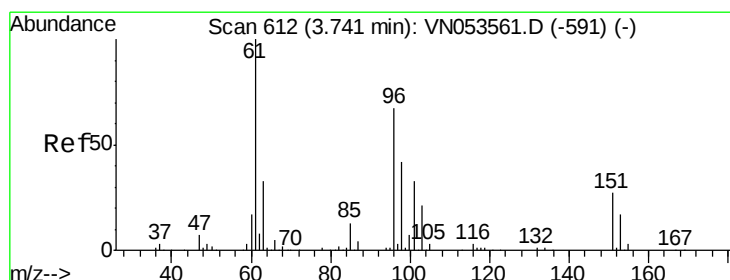
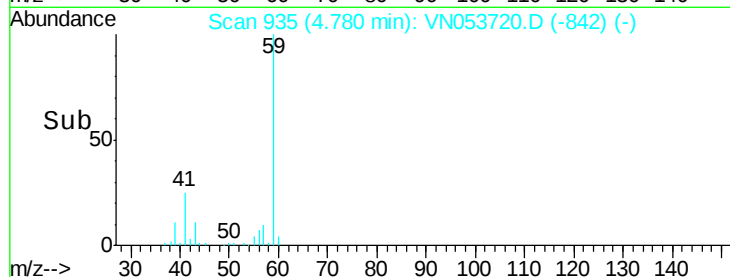
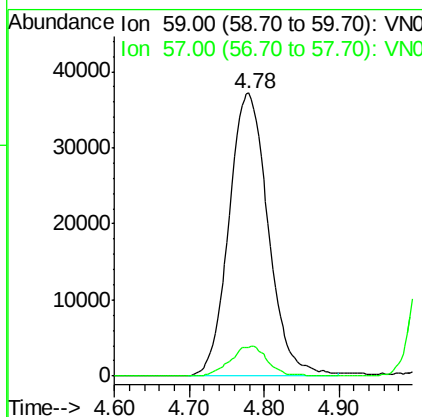
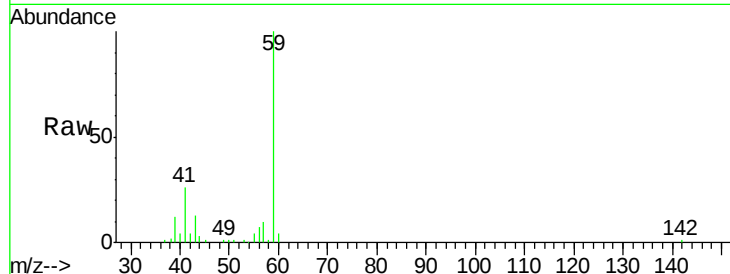
Tert butyl alcohol
 Concen: 303.249 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
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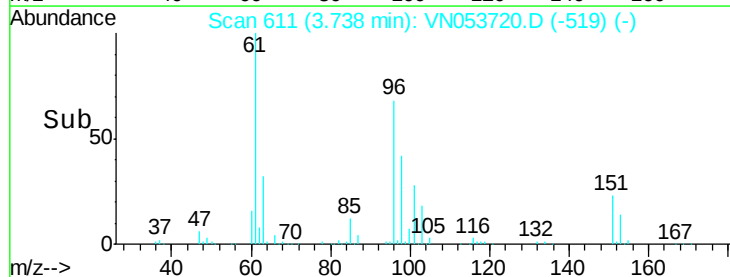
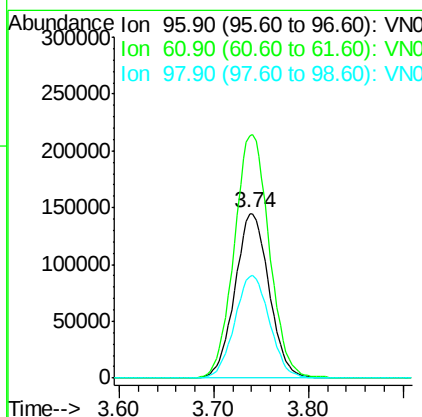
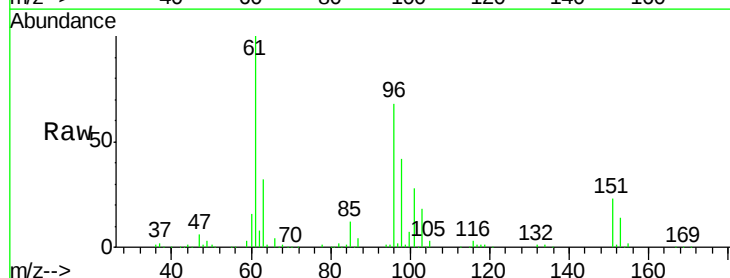
MMDadoda
 2/13/2019 12:16:05 PM

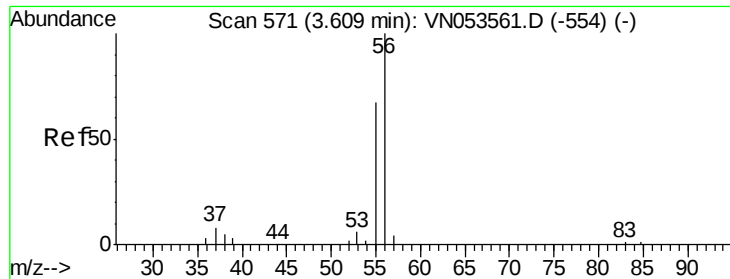


#12

1,1-Dichloroethene
 Concen: 52.079 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	122.9	184.3
98	61.9	49.4	74.0





#13

Acrolein

Concen: 259.006 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63144

Ion Ratio Lower Upper

56 100

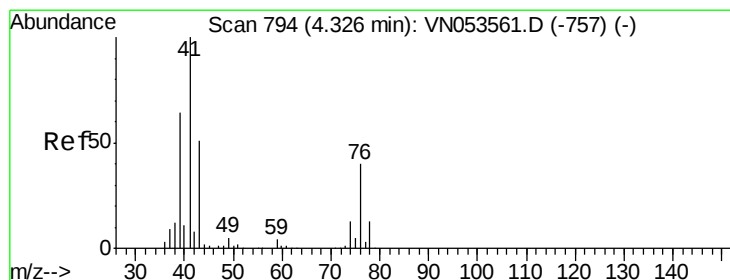
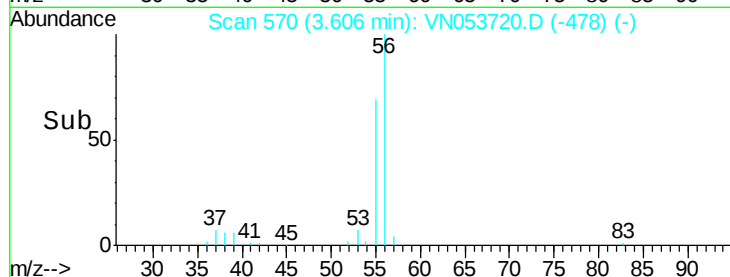
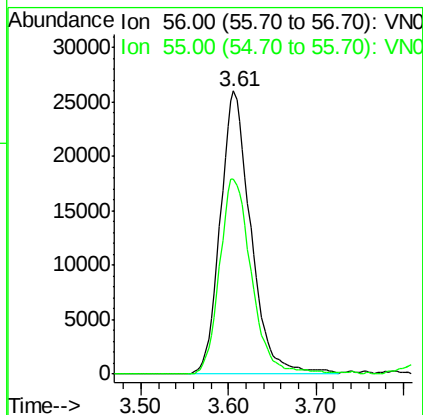
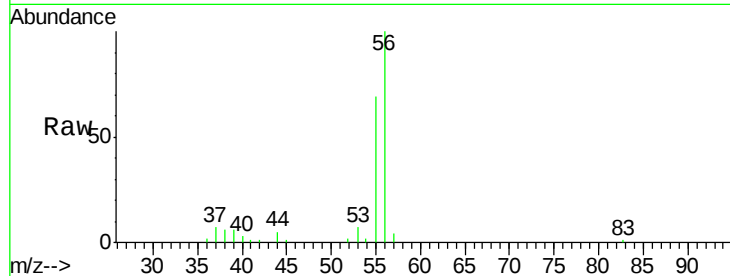
55 70.7 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.425 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

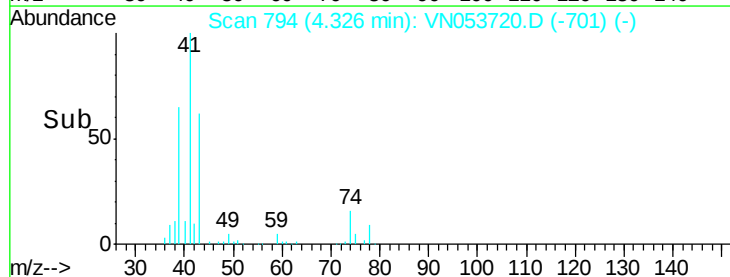
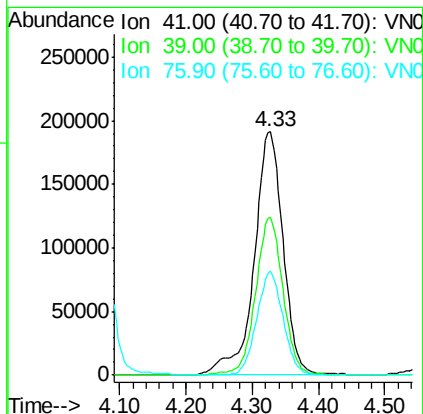
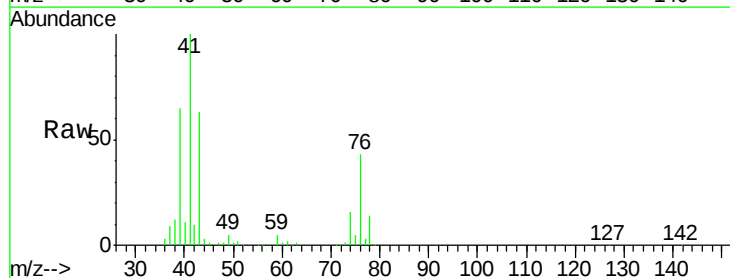
Tgt Ion: 41 Resp: 582961

Ion Ratio Lower Upper

41 100

39 61.2 48.9 73.3

76 38.4 29.4 44.2





#15

Acrylonitrile

Concen: 272.524 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

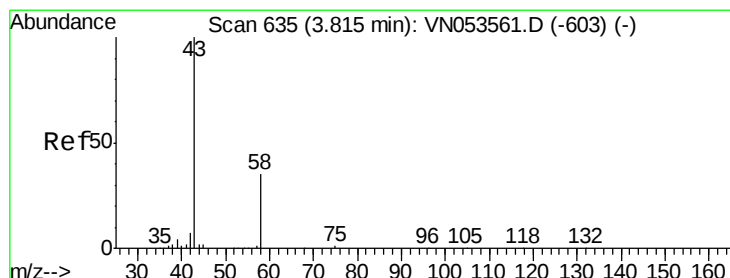
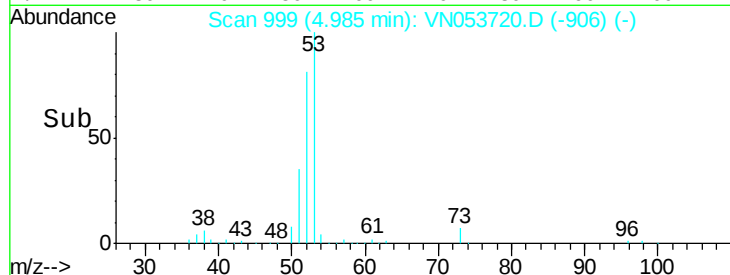
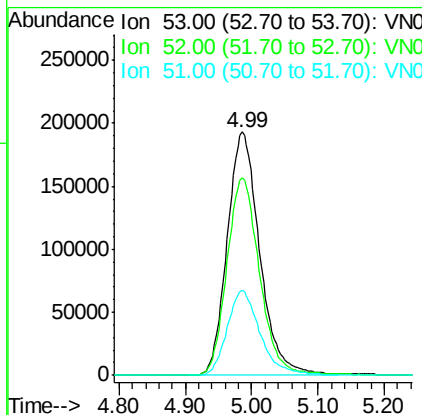
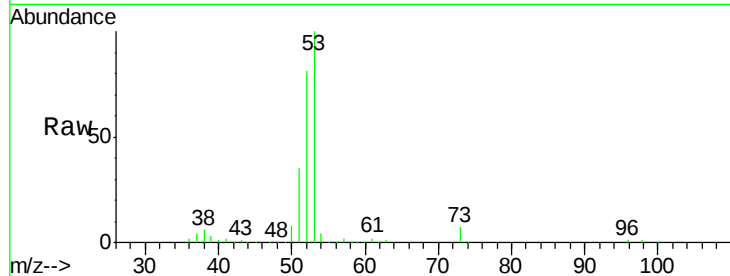
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	658774
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.0	99.0
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 322.494 ug/l

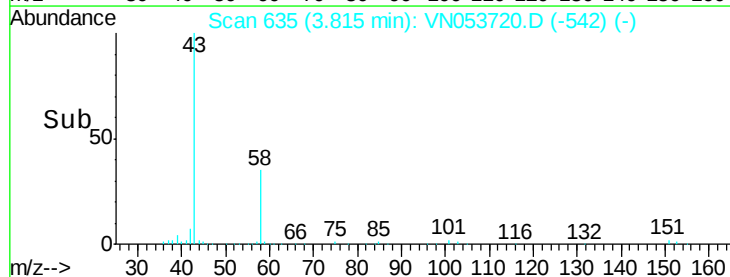
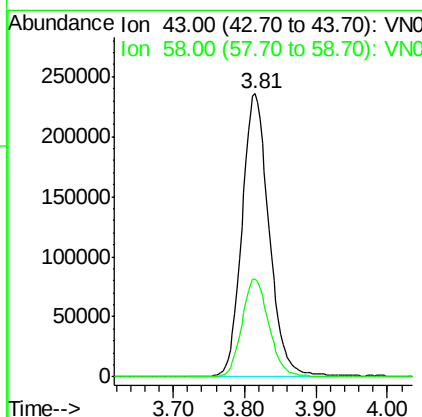
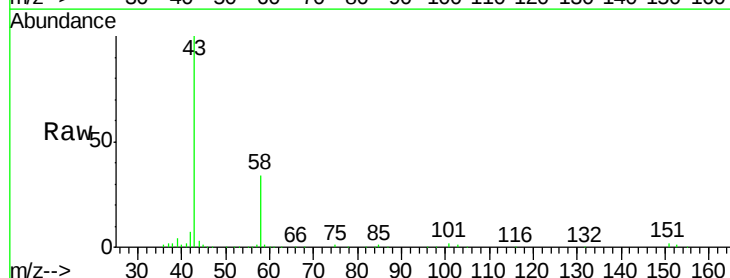
RT: 3.81 min Scan# 635

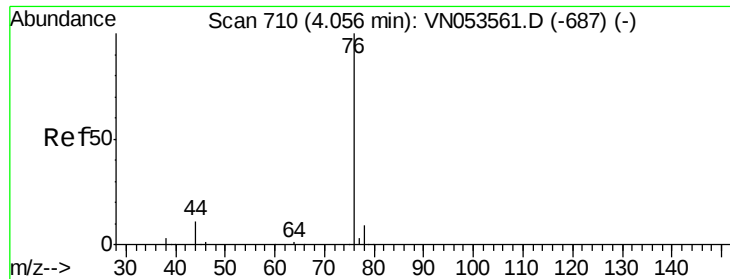
Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Tgt Ion:	43	Resp:	625862
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.1	40.7





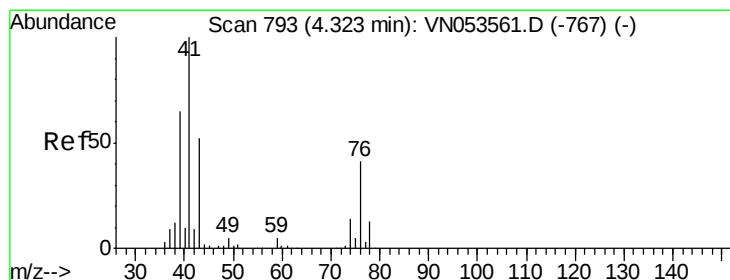
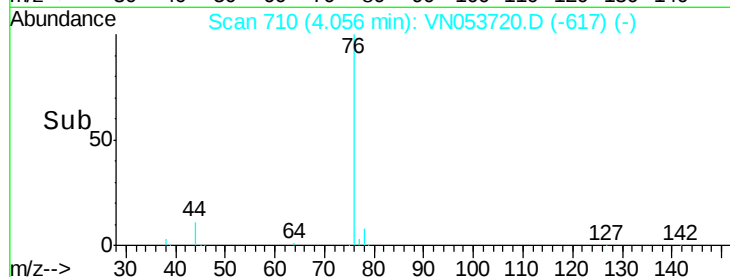
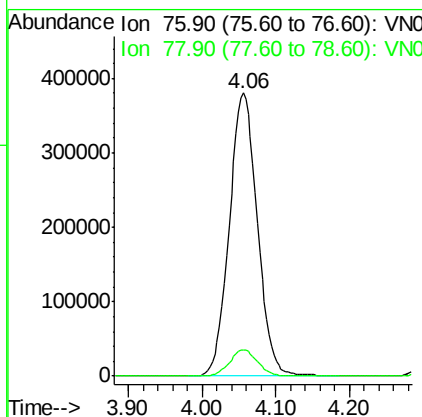
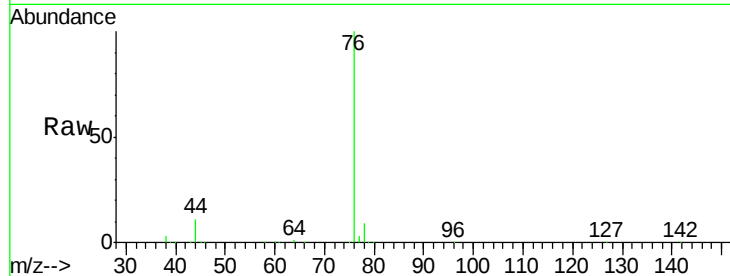
#17
Carbon Disulfide
Concen: 46.325 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1007413
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

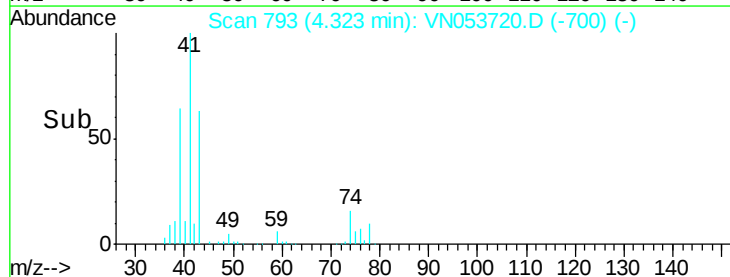
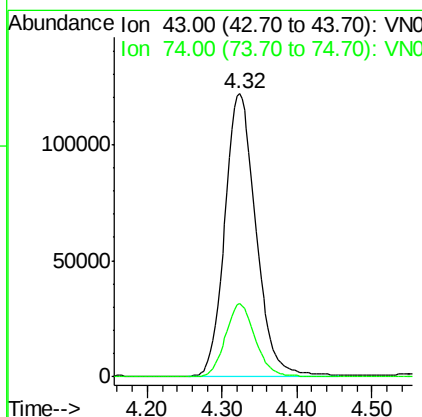
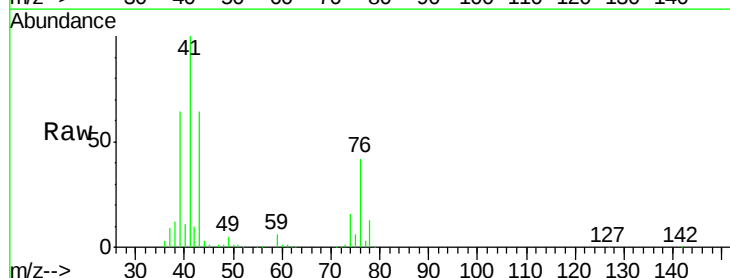
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#18
Methyl Acetate
Concen: 60.609 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 43 Resp: 348342
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.2





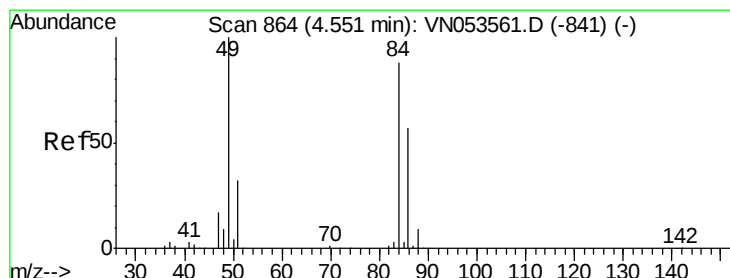
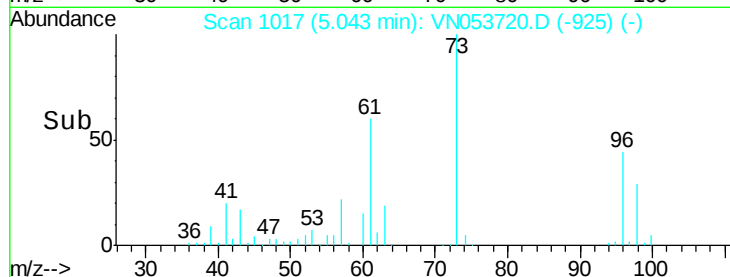
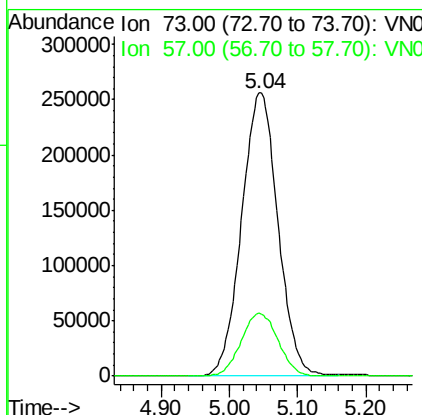
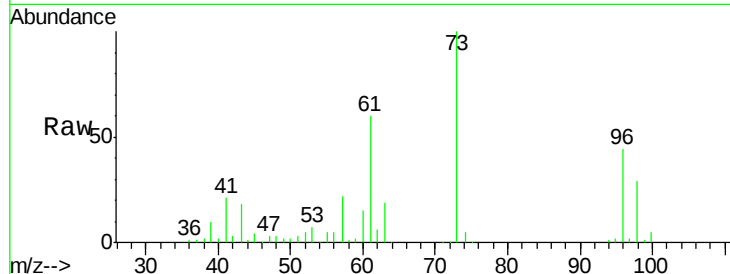
#19
Methyl tert-butyl Ether
Concen: 53.619 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 949309
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

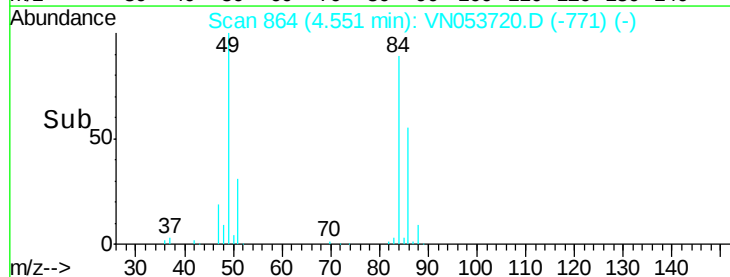
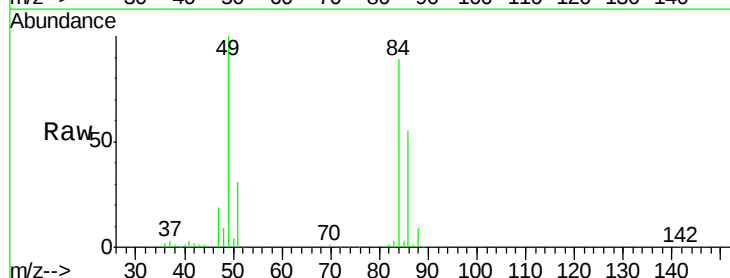
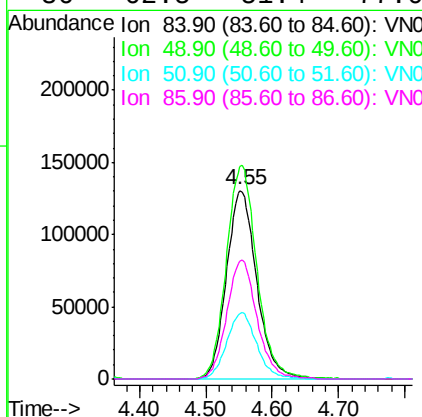
Manual Integrations
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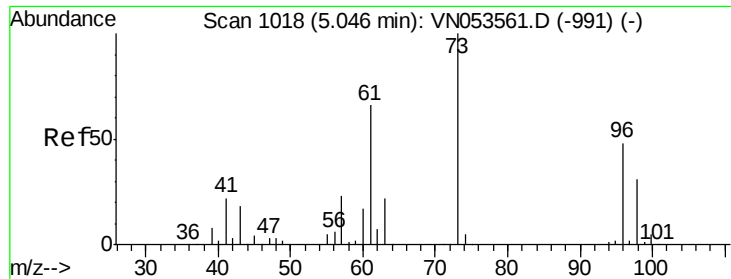
MMDadoda
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#20
Methylene Chloride
Concen: 50.905 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 84 Resp: 414471
Ion Ratio Lower Upper
84 100
49 112.6 94.3 141.5
51 34.9 29.4 44.2
86 62.5 51.4 77.0





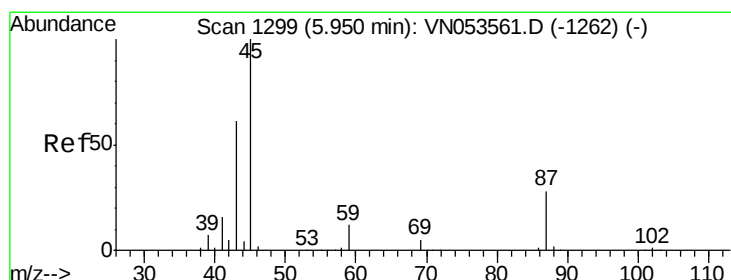
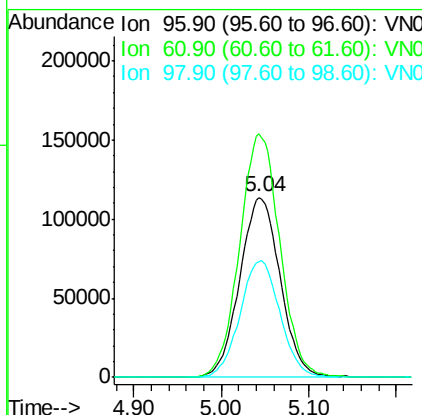
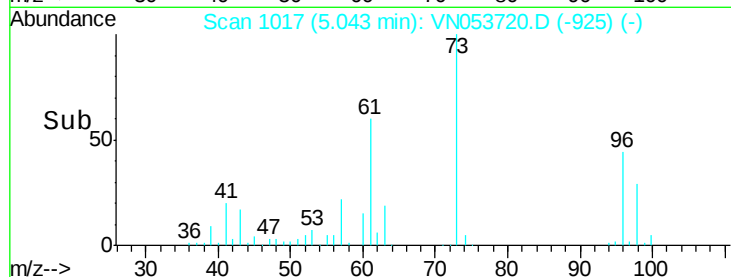
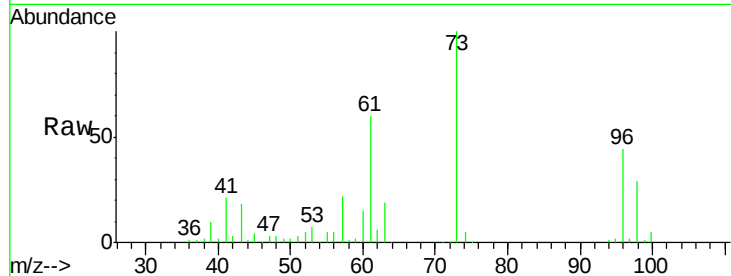
#21
trans-1,2-Dichloroethene
Concen: 48.393 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	110.1	165.1
98	64.5	50.0	75.0

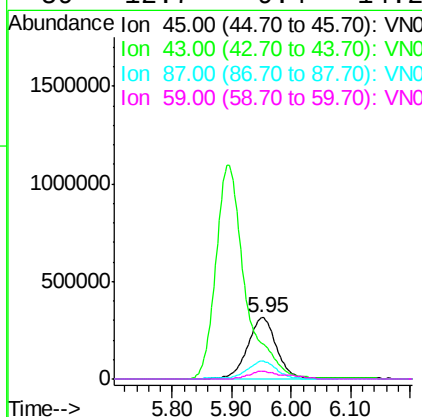
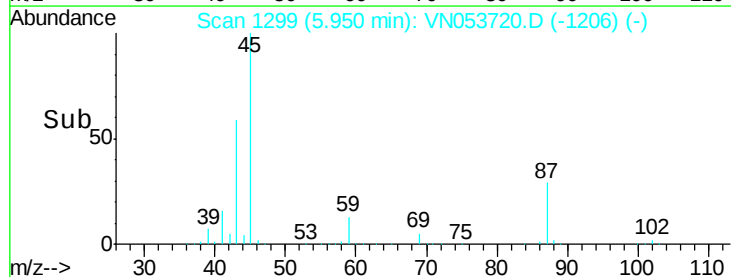
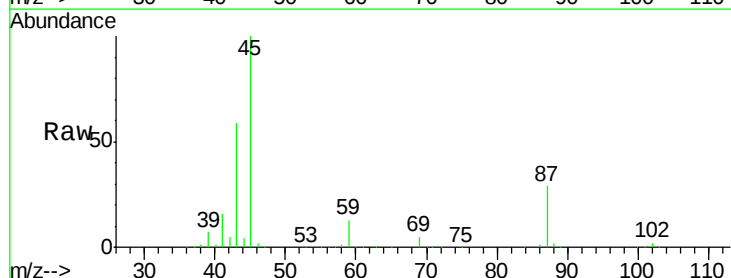
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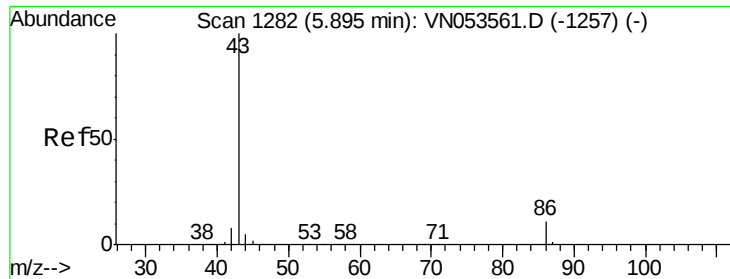
MMDadoda
2/13/2019 12:16:05 PM



#22
Diisopropyl ether
Concen: 52.900 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	44.2	66.4
87	28.5	22.7	34.1
59	12.7	9.4	14.2





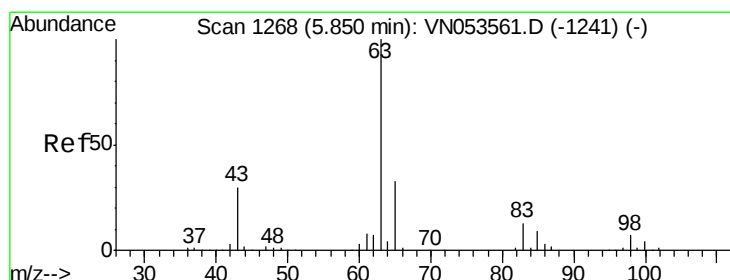
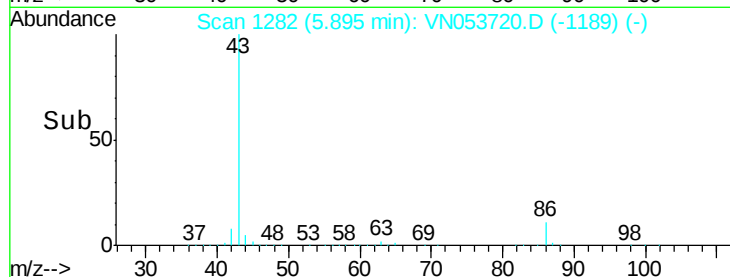
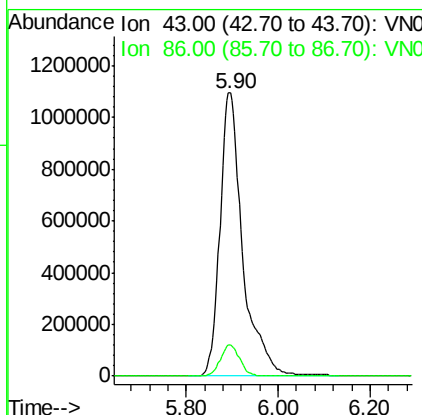
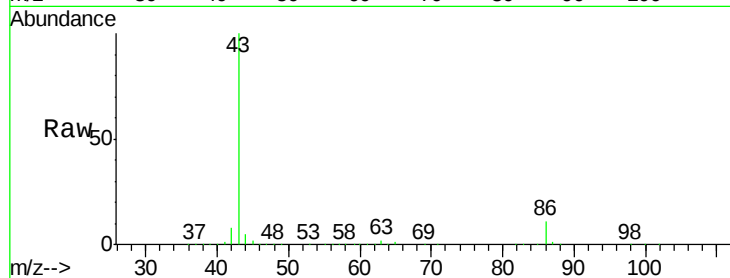
#23
 Vinyl Acetate
 Concen: 264.597 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3771521
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

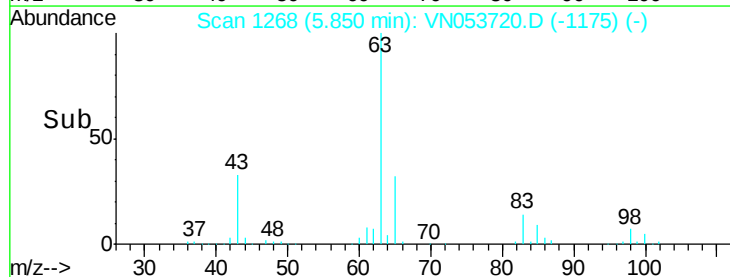
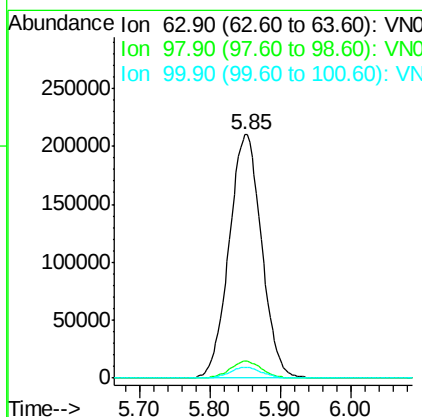
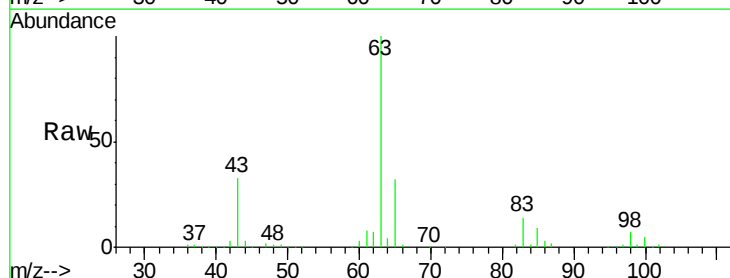
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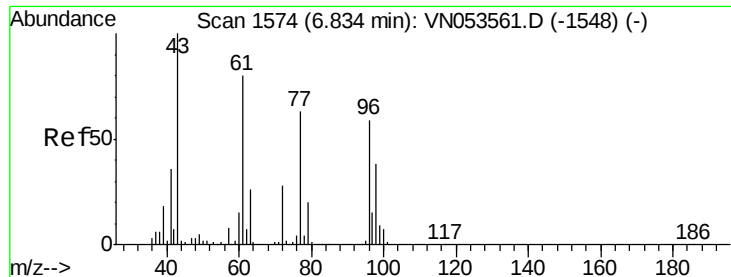
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.181 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion: 63 Resp: 675897
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.6 2.1 6.5





#25

2-Butanone

Concen: 280.445 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 776232

Ion Ratio Lower Upper

43 100

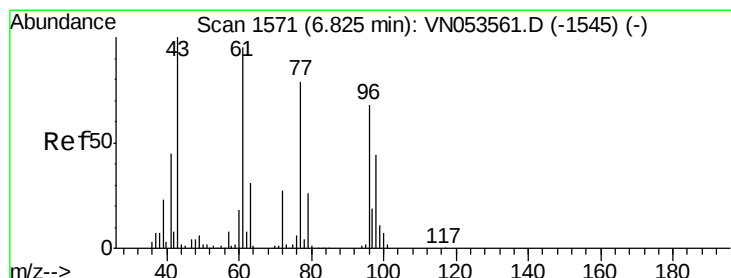
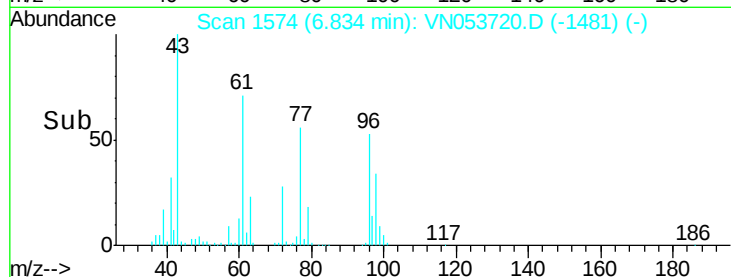
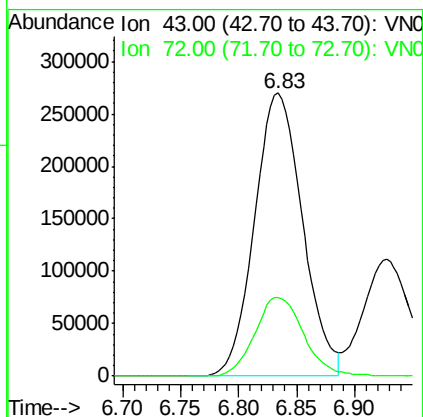
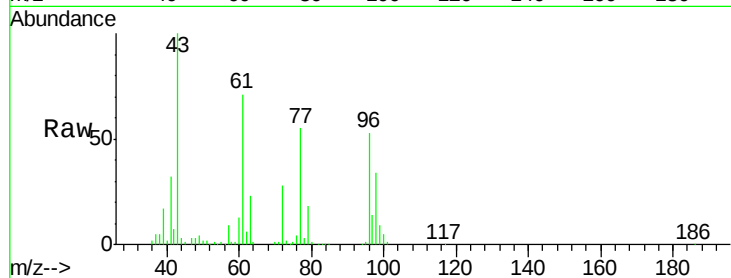
72 27.7 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 50.010 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053720.D

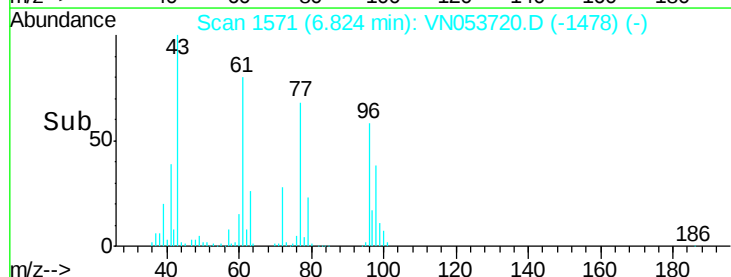
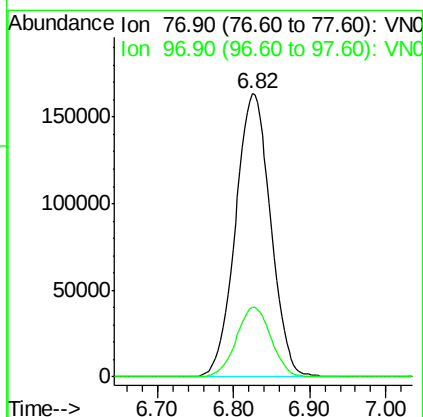
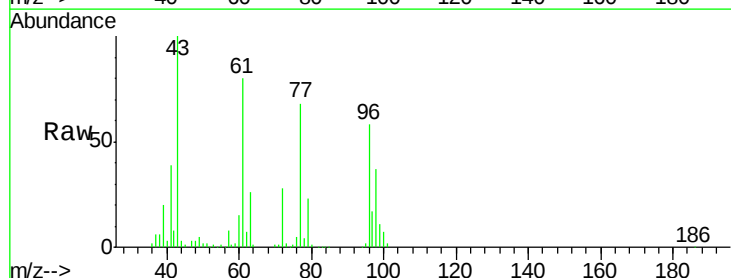
Acq: 12 Feb 2019 10:15

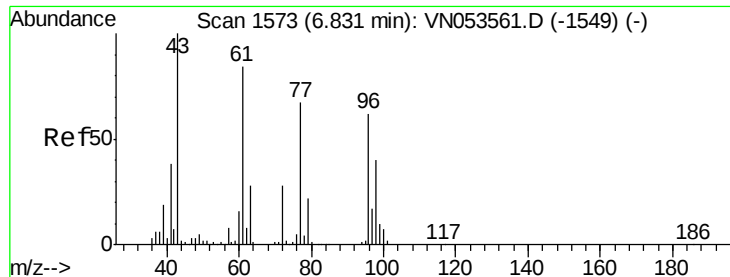
Tgt Ion: 77 Resp: 524646

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

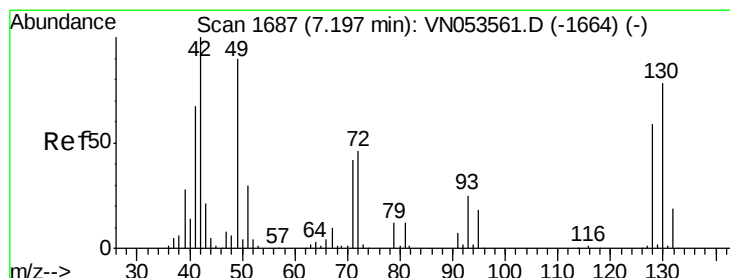
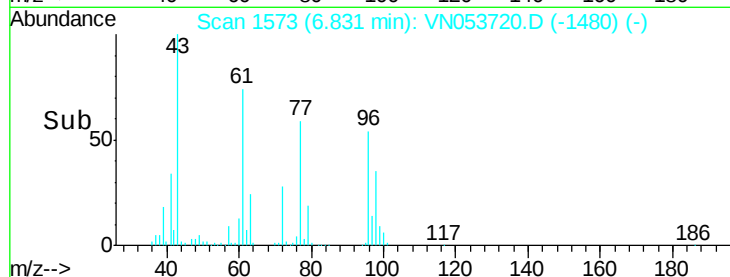
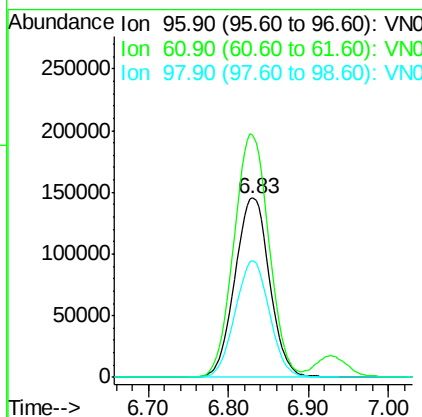
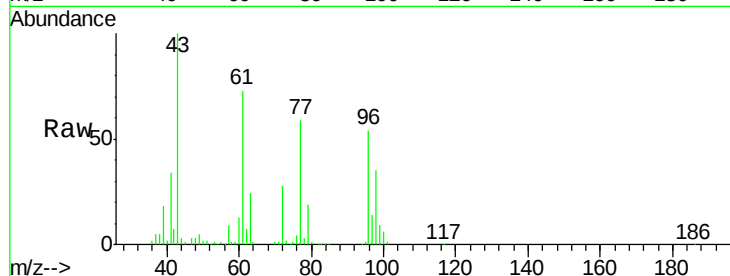
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	427277
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	283.8
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 50.523 ug/l

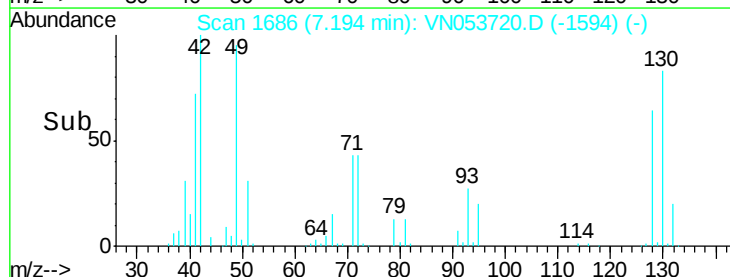
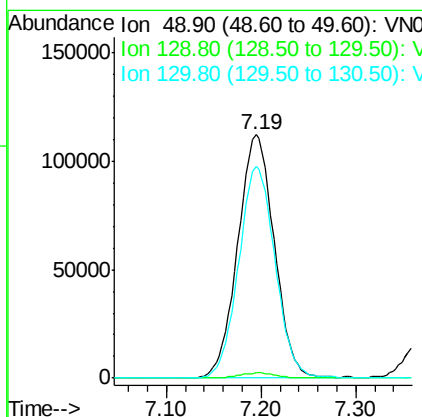
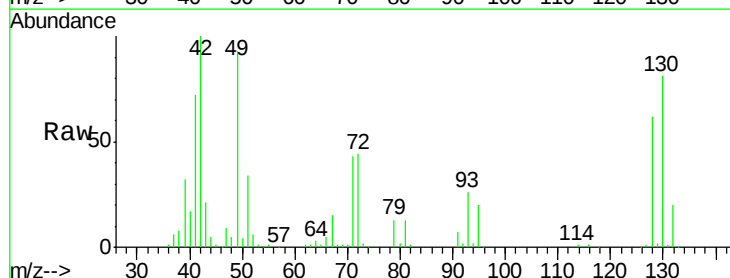
RT: 7.19 min Scan# 1686

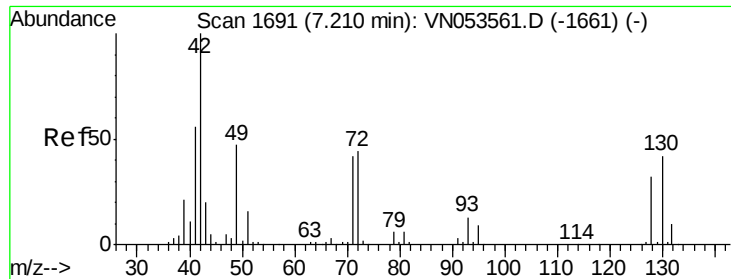
Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Tgt Ion:	49	Resp:	301312
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	86.5	66.3	99.5





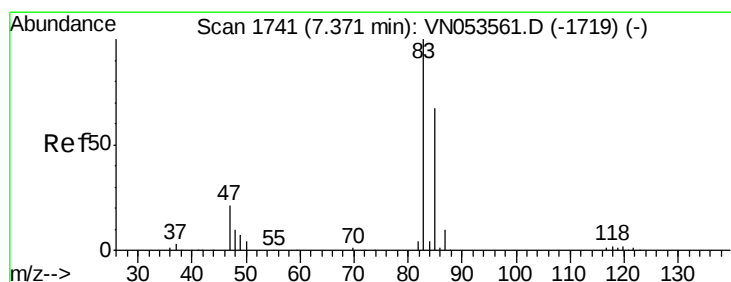
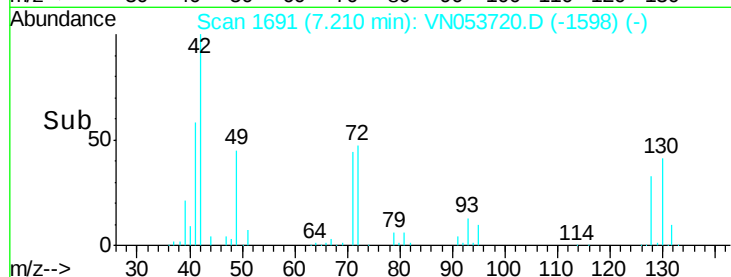
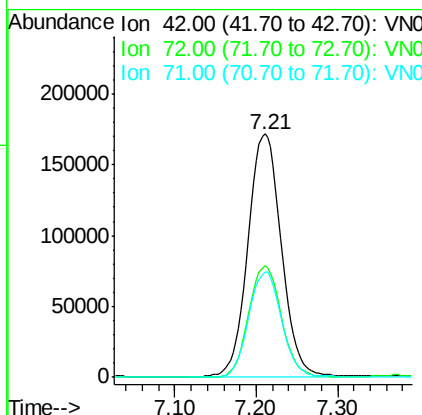
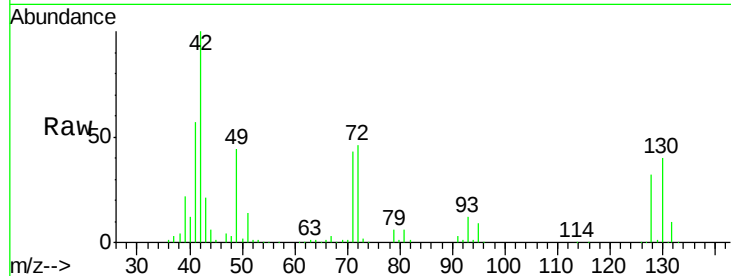
#29
Tetrahydrofuran
Concen: 272.959 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.2	52.8
71	42.7	33.0	49.4

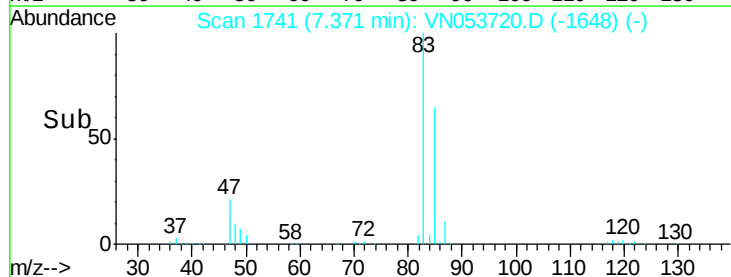
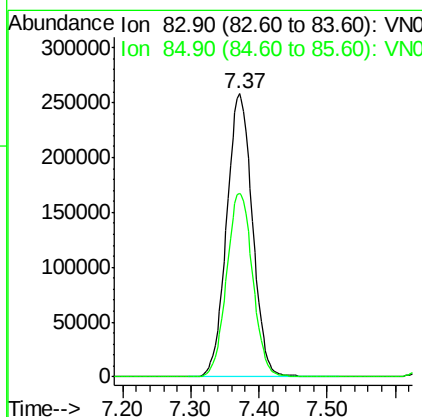
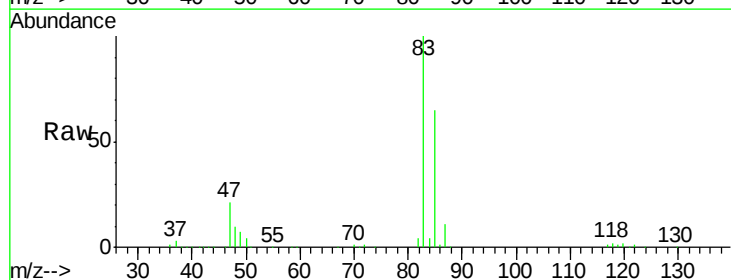
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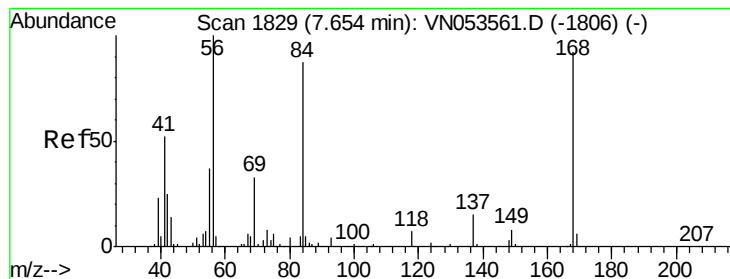
MMDadoda
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#30
Chloroform
Concen: 49.699 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





#31

Cyclohexane

Concen: 46.956 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

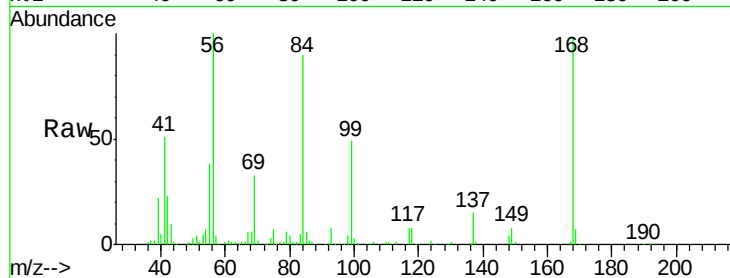
ClientSampled :

VSTDCCC050

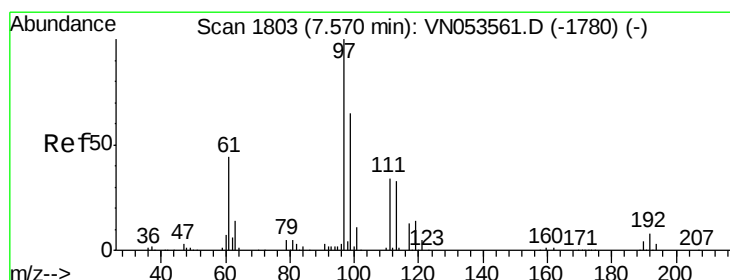
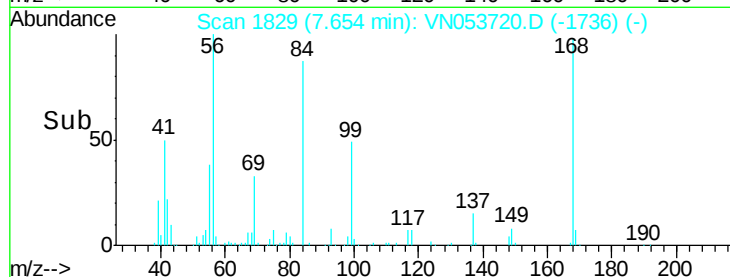
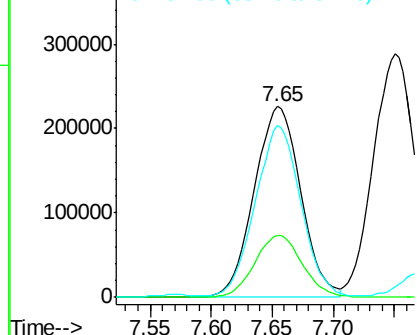
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.4	39.6
84	88.8	67.9	101.9

Manual Integrations
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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: 50.436 ug/l

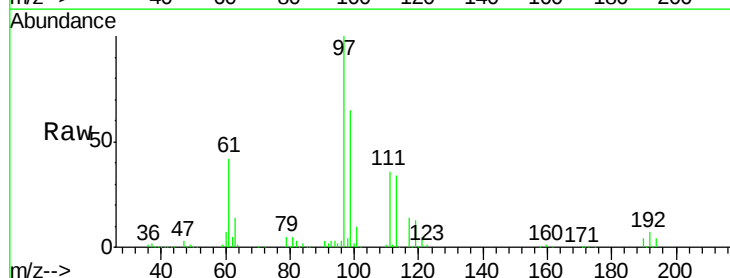
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

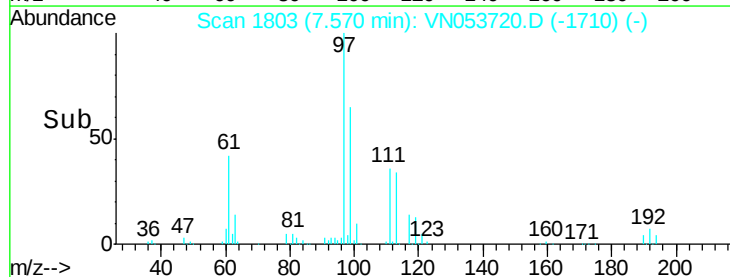
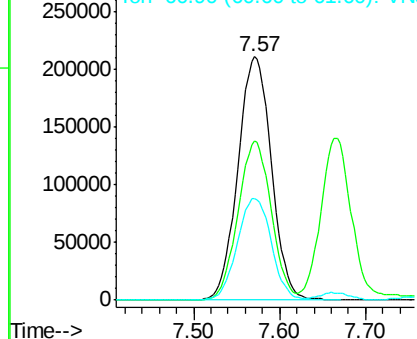
Lab File: VN053720.D

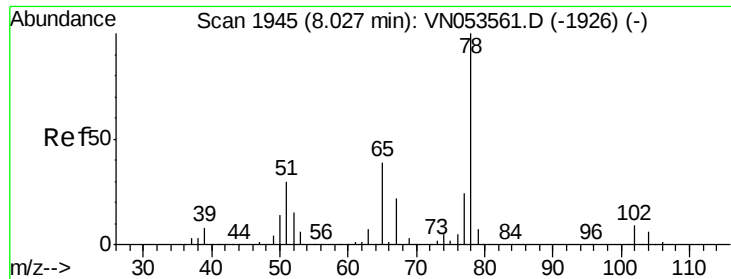
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	42.4	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: 50.287 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 380470

Ion Ratio Lower Upper

65 100

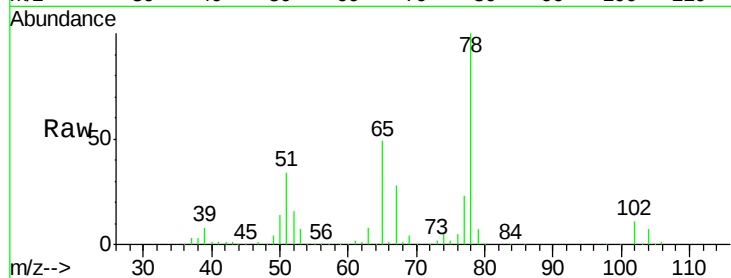
67 55.8 0.0 111.2

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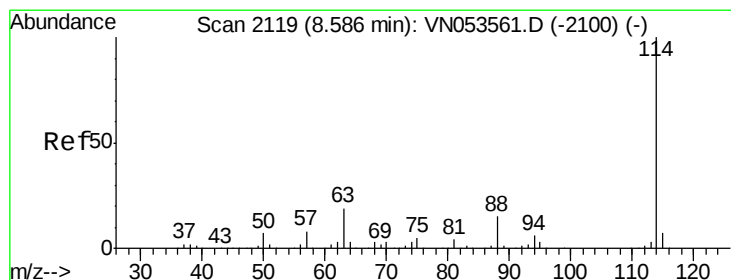
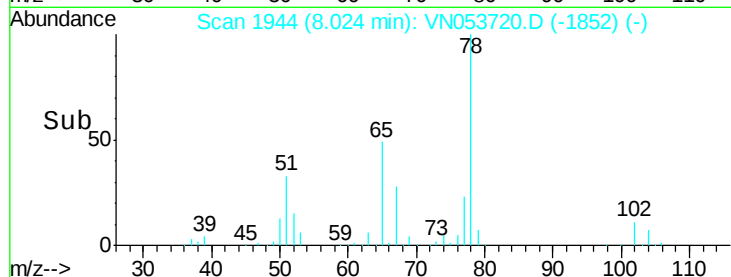
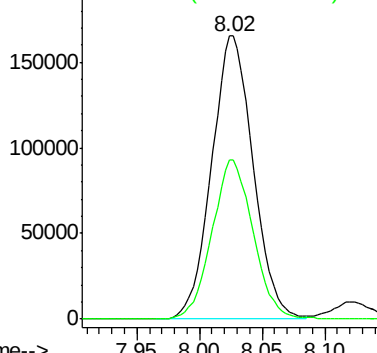
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

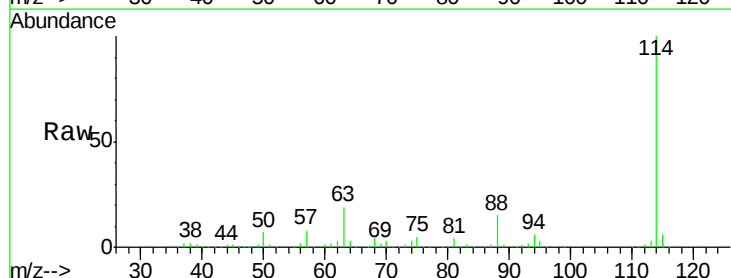
Tgt Ion: 114 Resp: 1106907

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

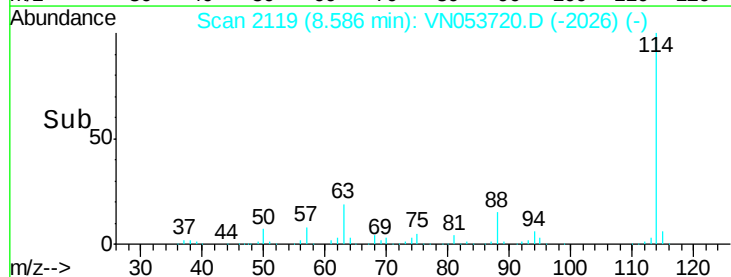
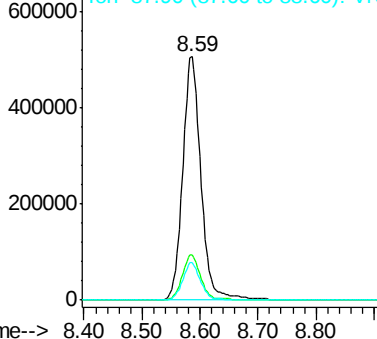
88 15.3 0.0 30.4

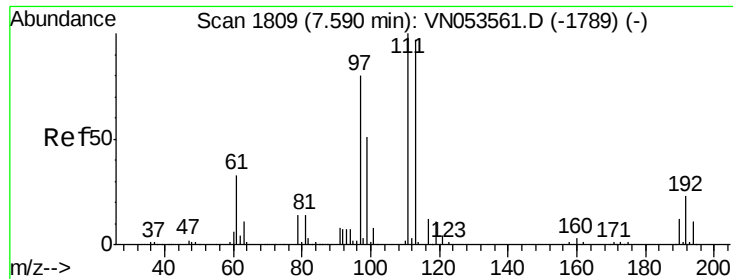


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





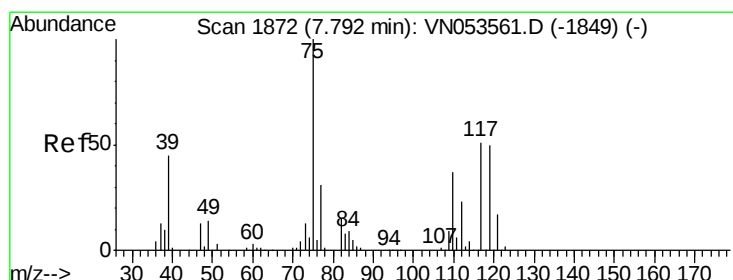
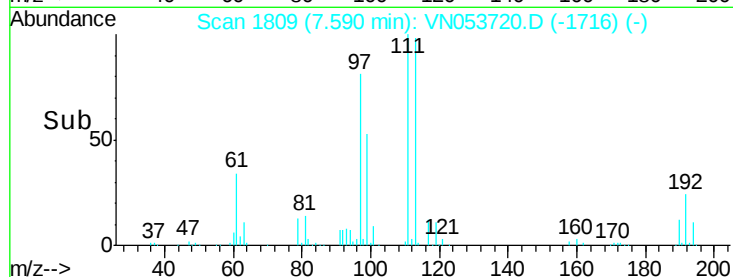
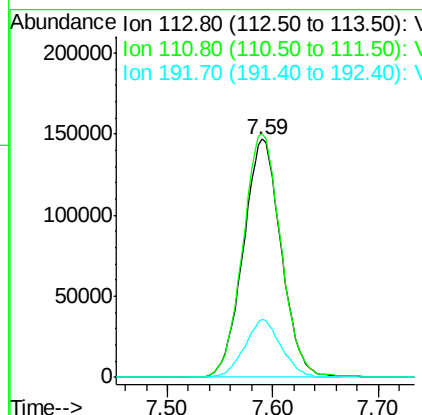
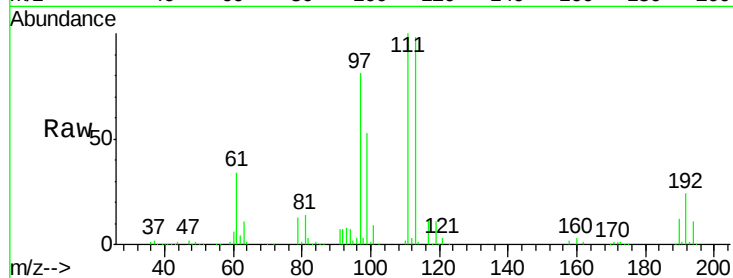
#35
 Dibromofluoromethane
 Concen: 52.399 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366491		
111	103.2	81.1	121.7	
192	23.6	18.2	27.2	

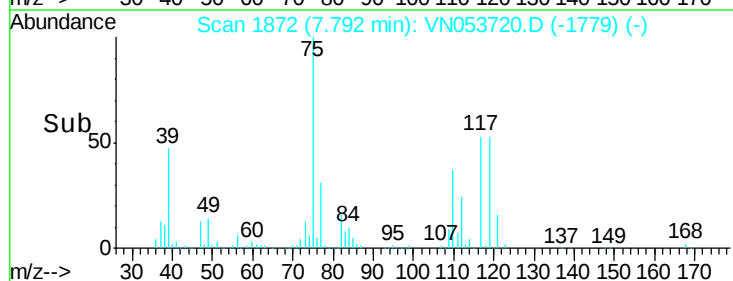
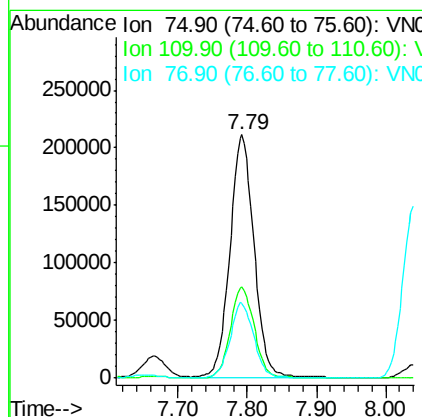
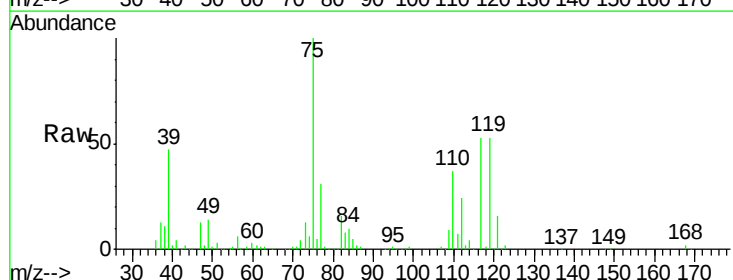
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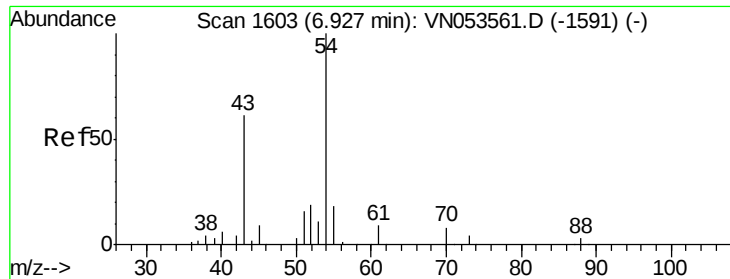
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#36
 1,1-Dichloropropene
 Concen: 51.643 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	515295		
110	37.0	18.1	54.3	
77	30.6	25.1	37.7	





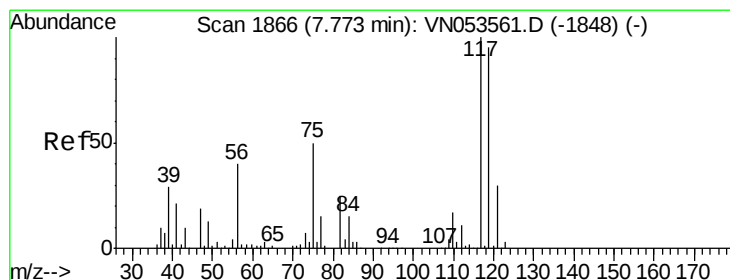
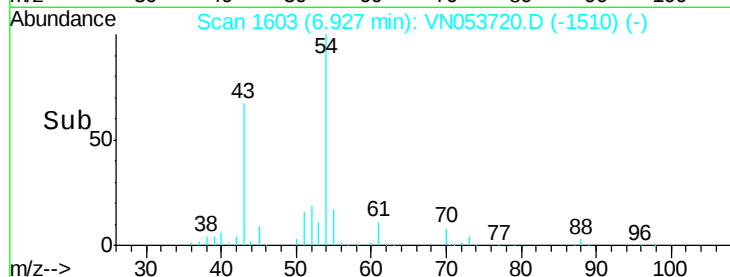
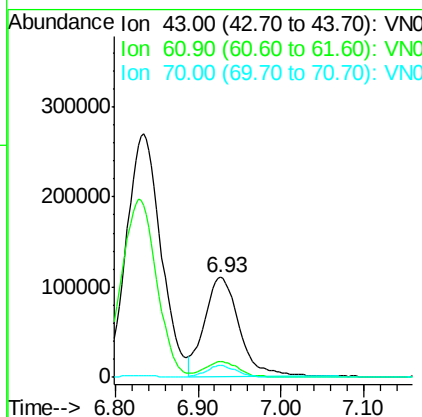
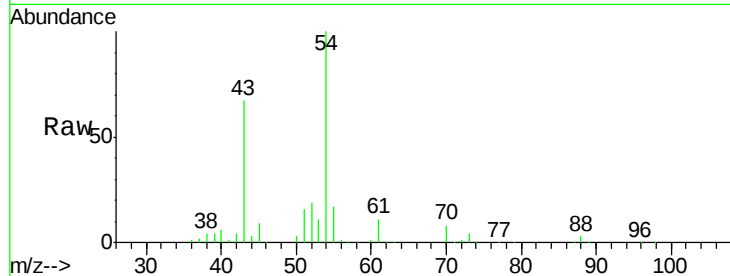
#37
Ethyl Acetate
Concen: 57.979 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	10.4	8.6	12.8

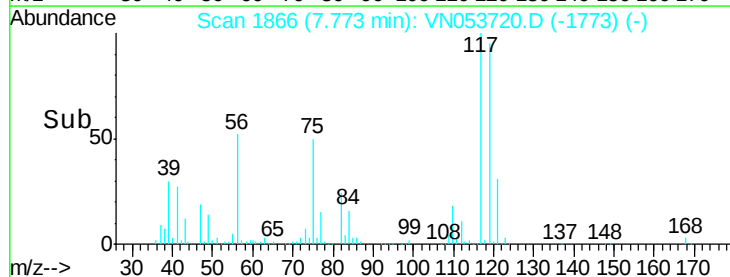
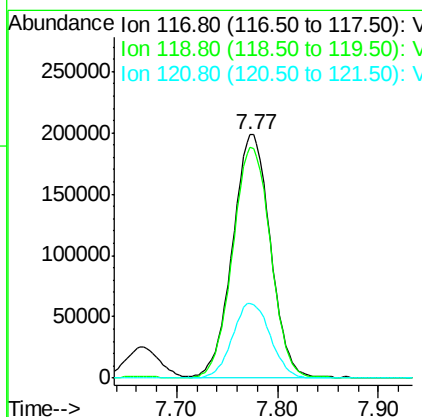
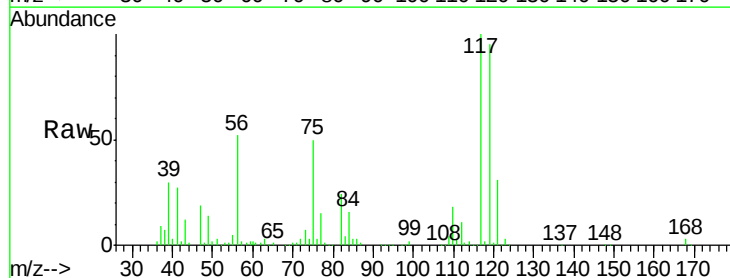
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#38
Carbon Tetrachloride
Concen: 50.922 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	30.9	24.6	37.0





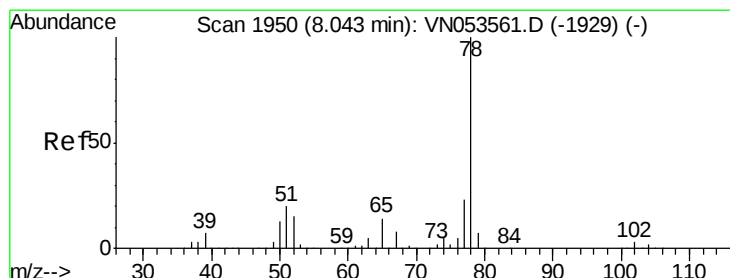
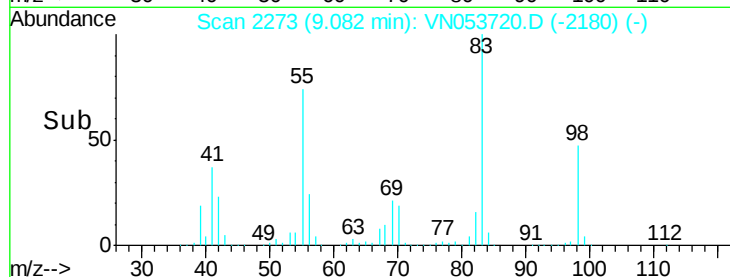
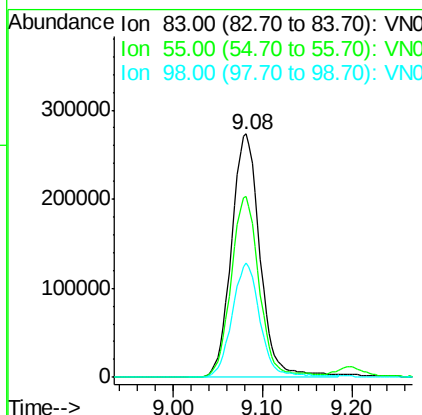
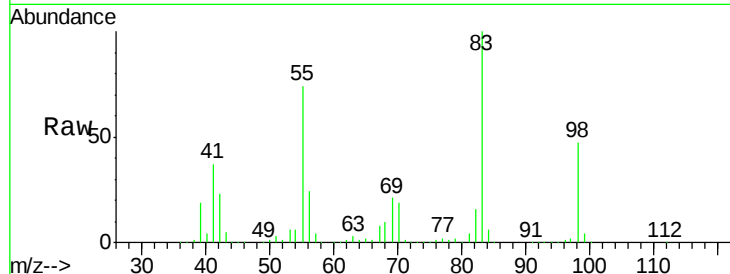
#39
Methvlcvclohexane
Concen: 51.356 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	607947		
55	74.1		60.1	90.1
98	46.7		36.6	55.0

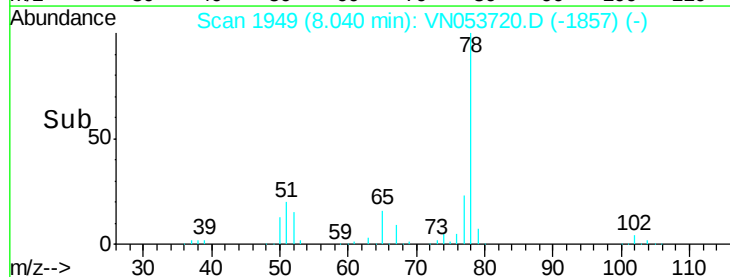
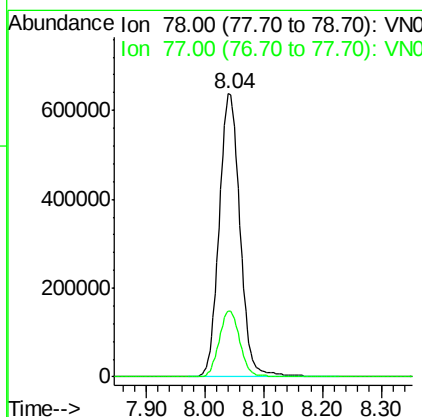
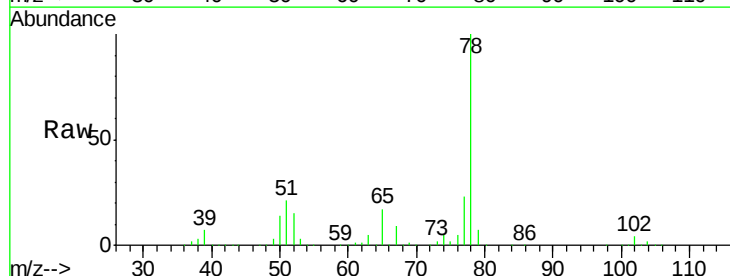
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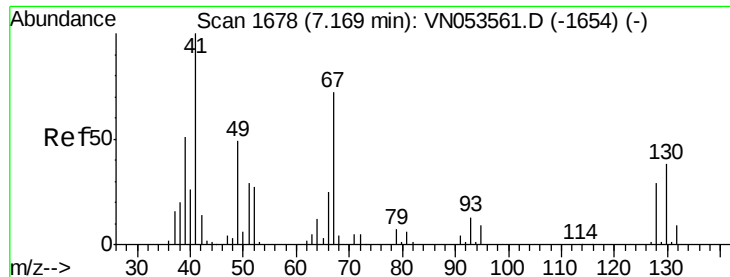
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#40
Benzene
Concen: 50.740 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1561264		
77	23.5		18.8	28.2





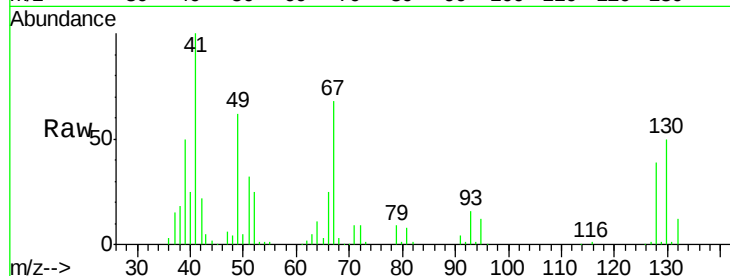
#41
Methacrylonitrile
Concen: 60.525 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

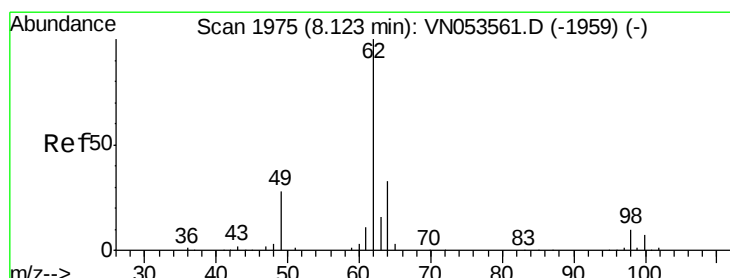
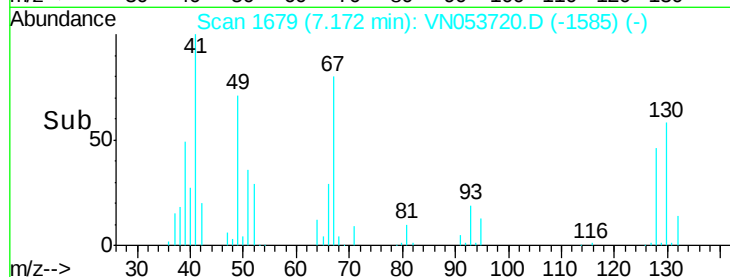
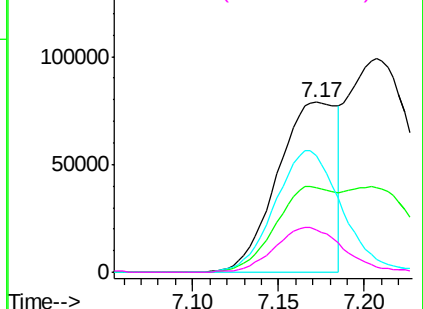
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	46.8	70.2
67	81.5	63.0	94.6
52	31.0	23.8	35.8

Manual Integrations
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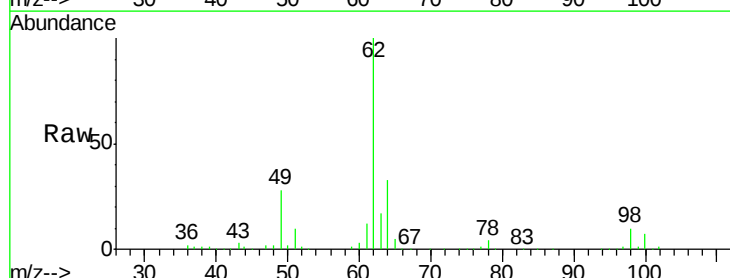


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

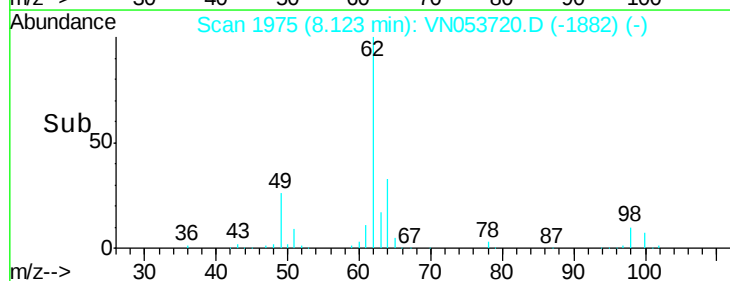
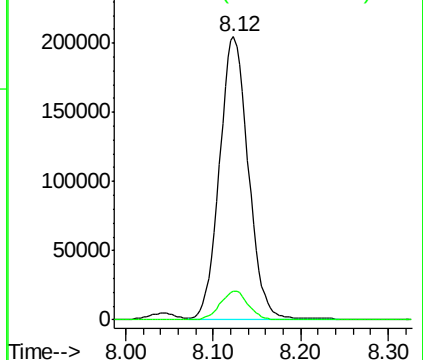


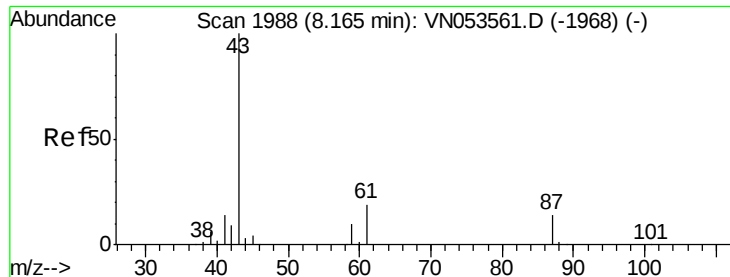
#42
1,2-Dichloroethane
Concen: 51.187 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



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





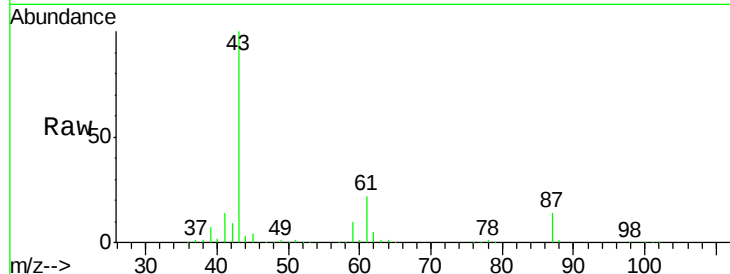
#43
Isopropyl Acetate
Concen: 51.863 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

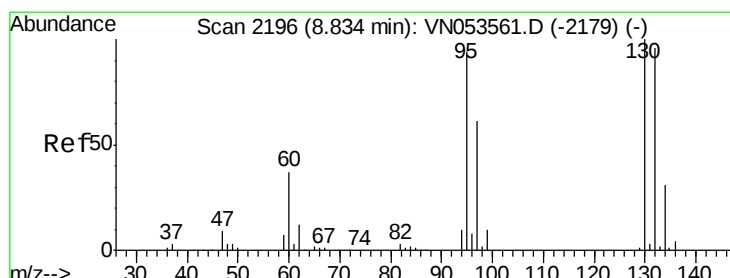
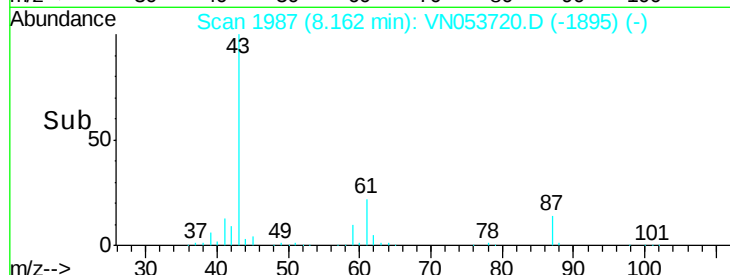
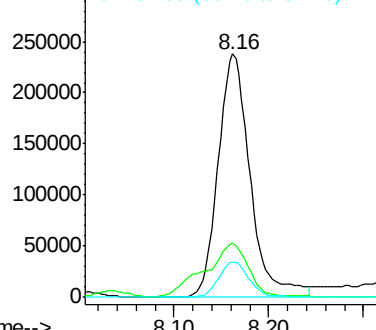
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.9	35.9
87	13.9	11.0	16.6

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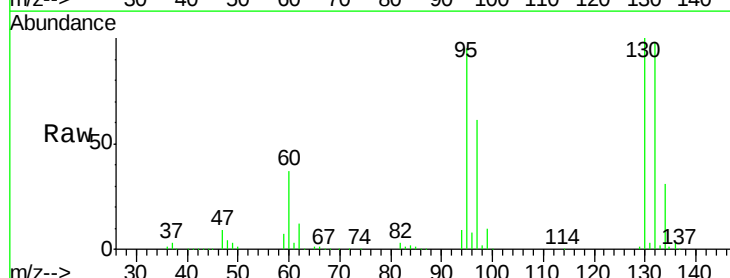


Abundance Ion 43.00 (42.70 to 43.70): VN053720.D (-1895) (-)

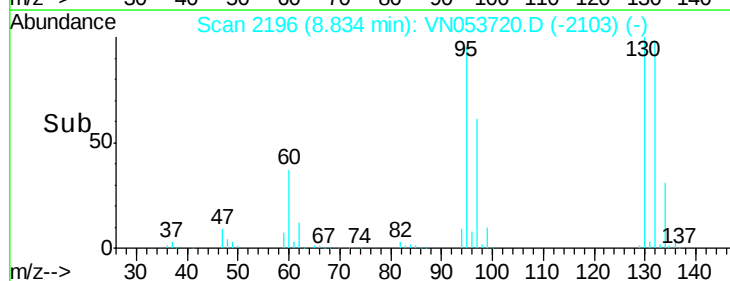
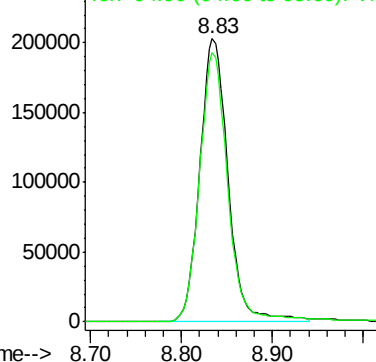


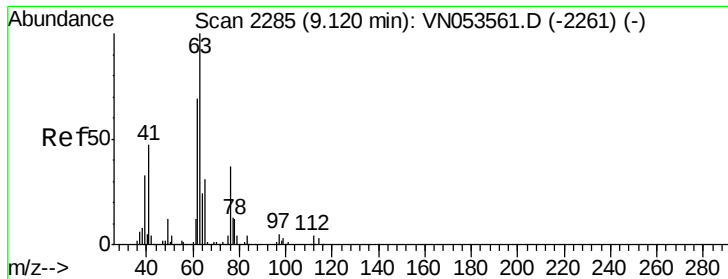
#44
Trichloroethene
Concen: 50.172 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053720.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 52.514 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 413290

Ion Ratio Lower Upper

63 100

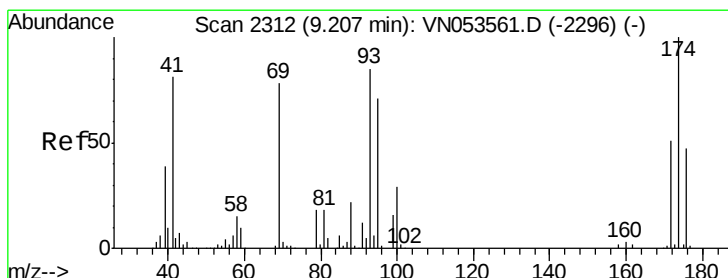
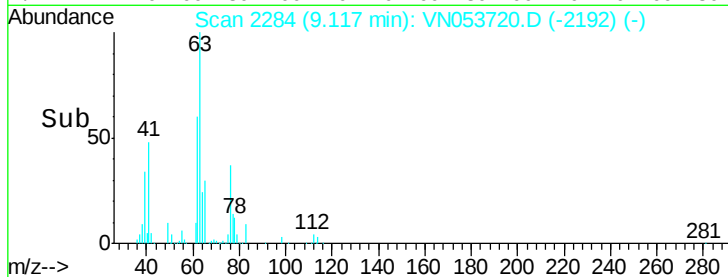
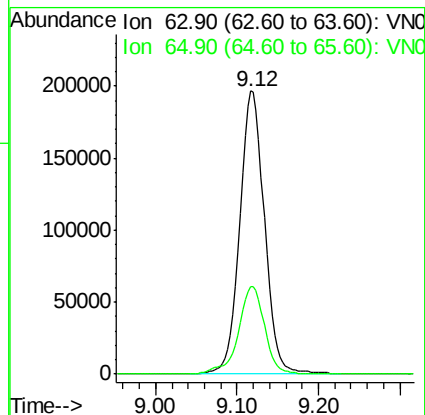
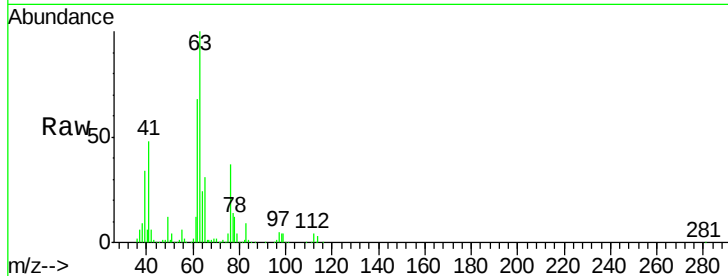
65 30.8 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 51.957 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

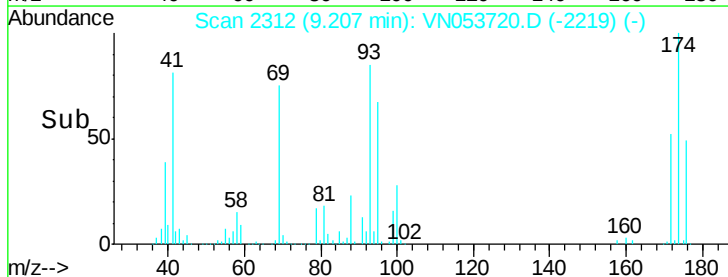
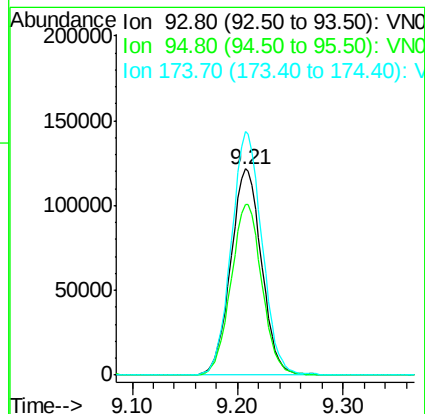
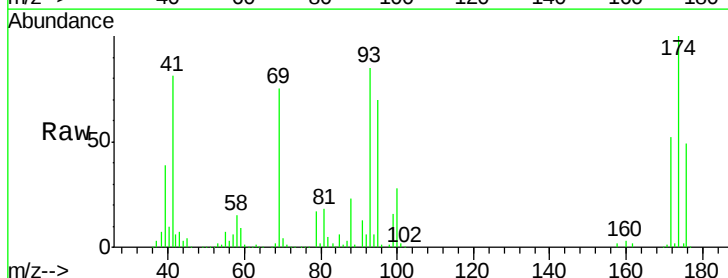
Tgt Ion: 93 Resp: 246497

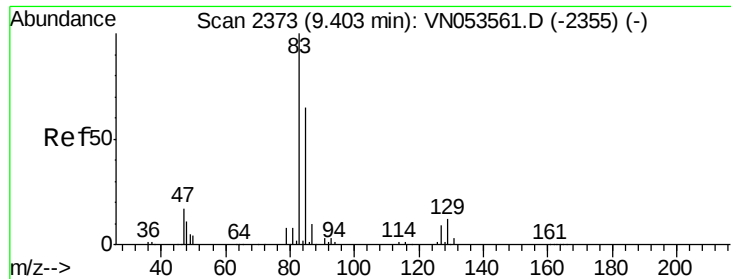
Ion Ratio Lower Upper

93 100

95 82.9 67.3 100.9

174 117.4 91.0 136.4





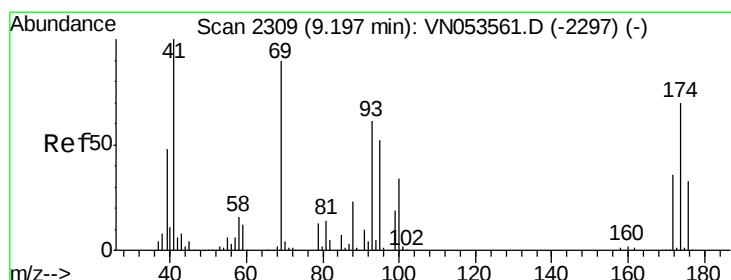
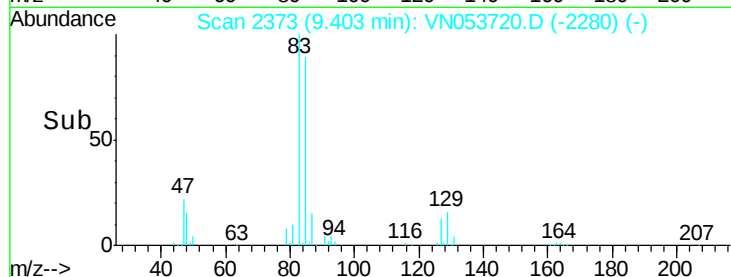
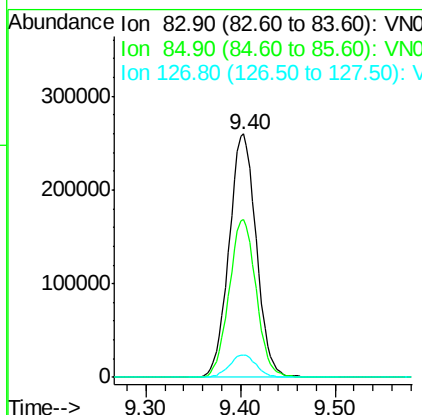
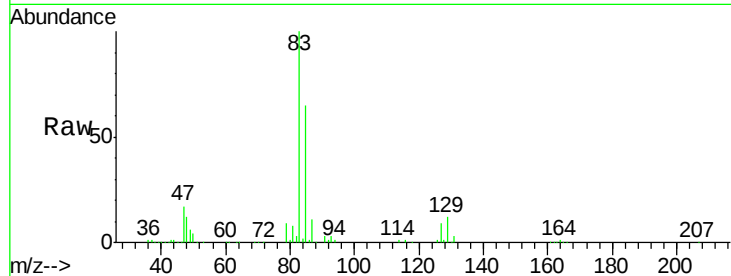
#47
Bromodichloromethane
Concen: 52.638 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	519228
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	9.3	7.0	10.6

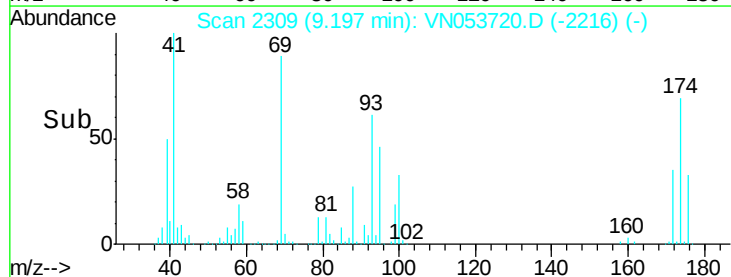
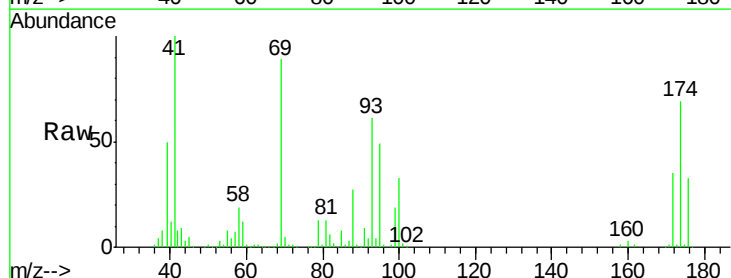
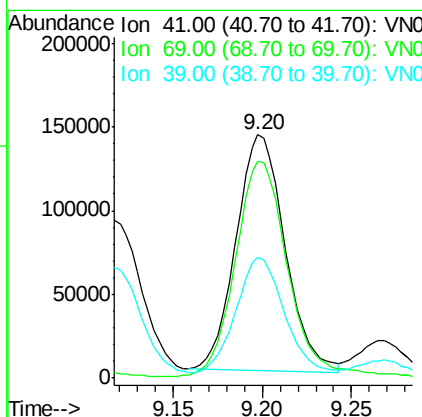
Manual Integrations
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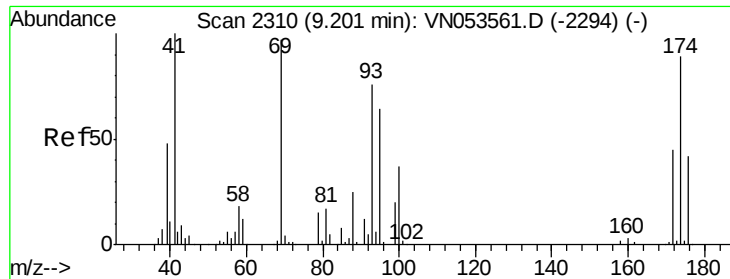
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#48
Methyl methacrylate
Concen: 52.376 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	41	Resp	269071
Ion Ratio	100	Lower	Upper
41	100		
69	99.9	73.8	110.6
39	53.2	40.0	60.0





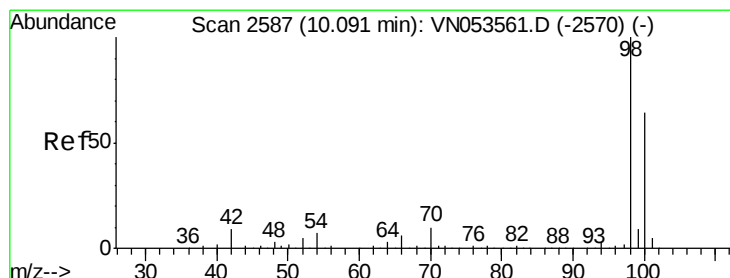
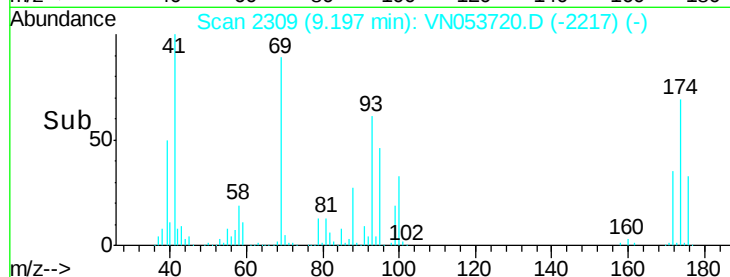
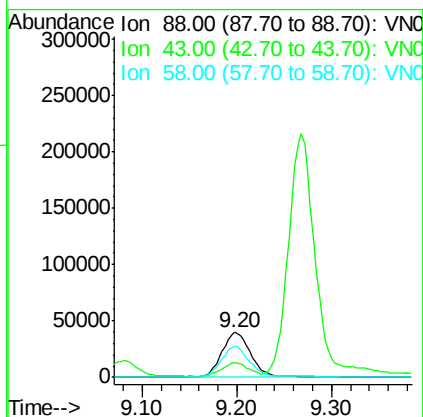
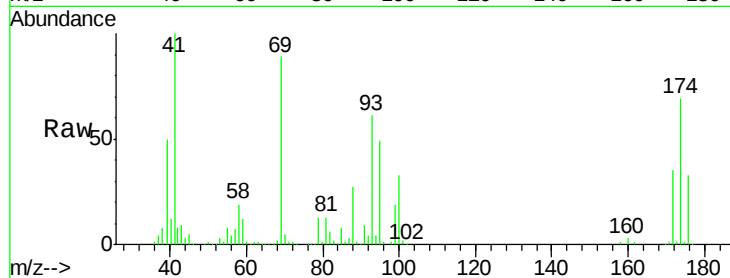
#49
1,4-Dioxane
Concen: 1148.794 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	27.8	41.6
58	66.9	56.5	84.7

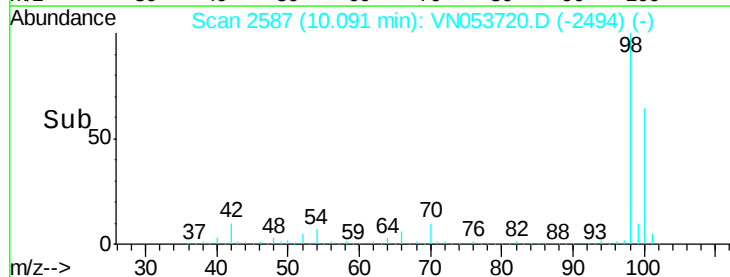
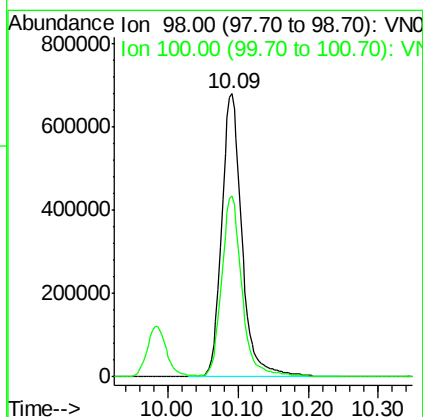
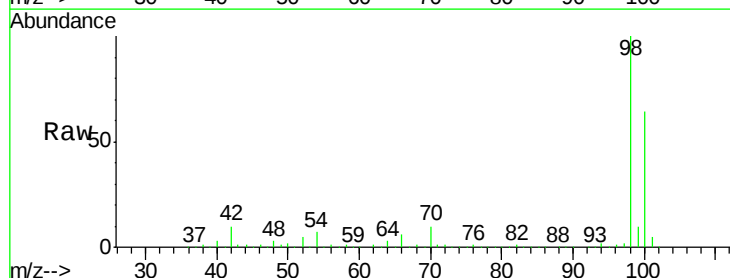
Manual Integrations
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#50
Toluene-d8
Concen: 52.018 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





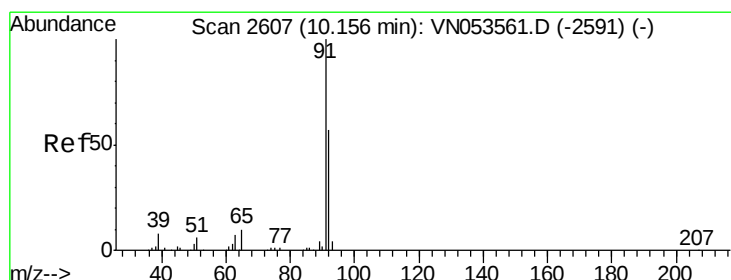
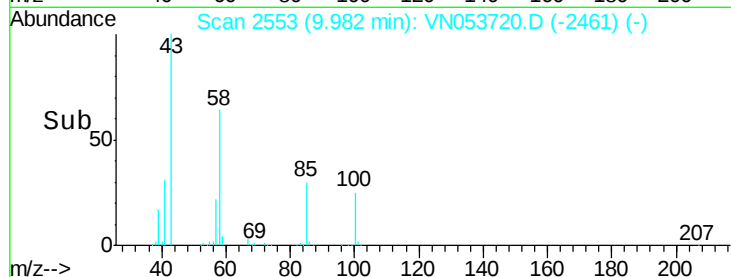
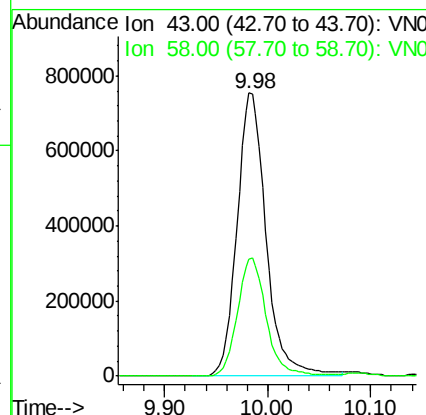
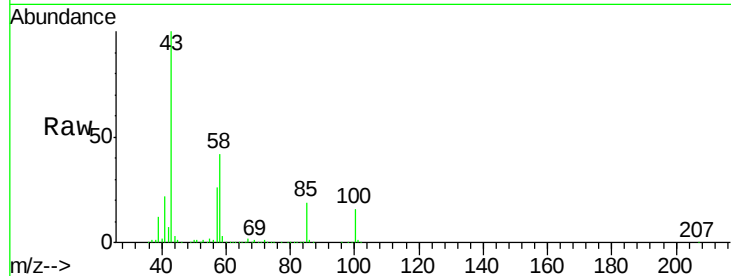
#51
4-Methyl-2-Pentanone
Concen: 280.049 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1481065
Ion Ratio Lower Upper
43 100
58 41.6 32.8 49.2

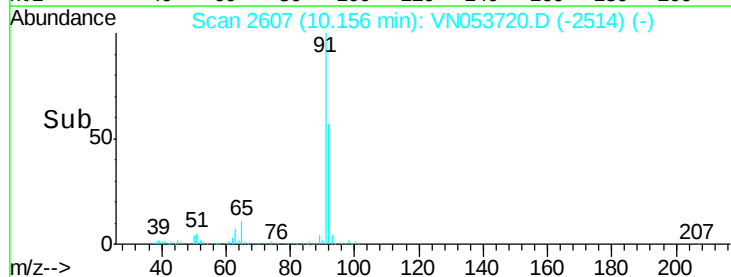
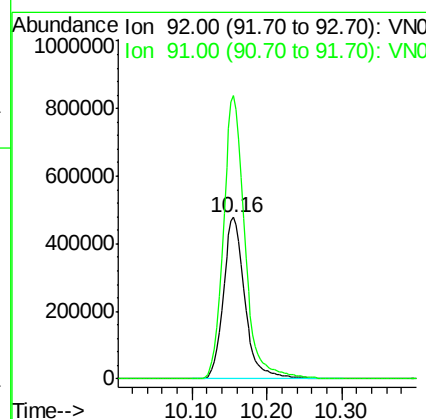
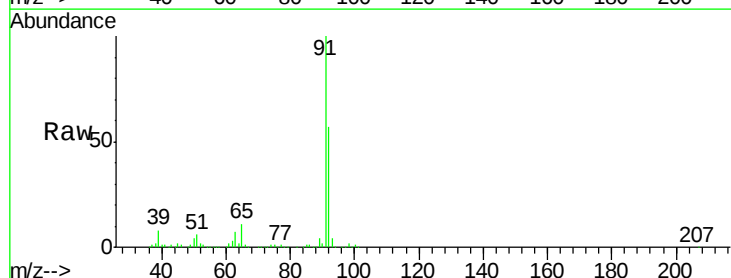
Manual Integrations
APPROVED

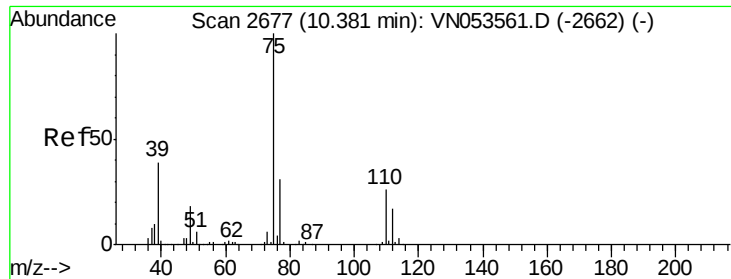
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#52
Toluene
Concen: 52.077 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 92 Resp: 951021
Ion Ratio Lower Upper
92 100
91 174.8 139.9 209.9





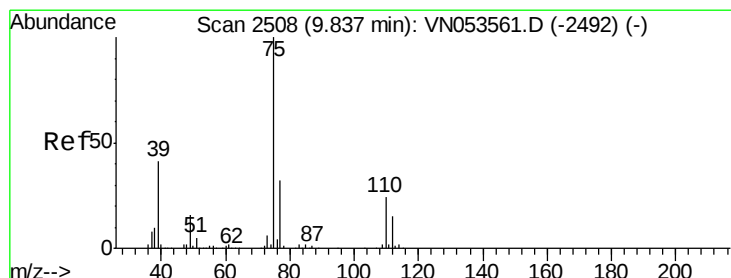
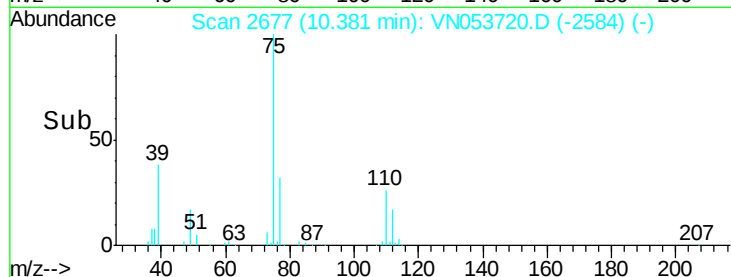
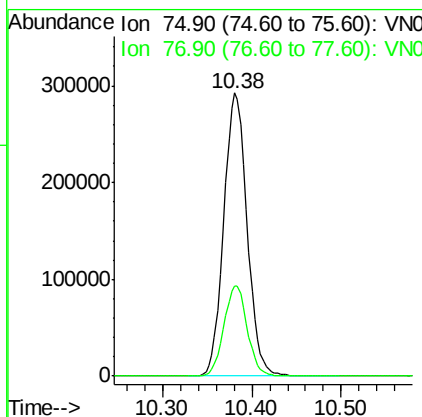
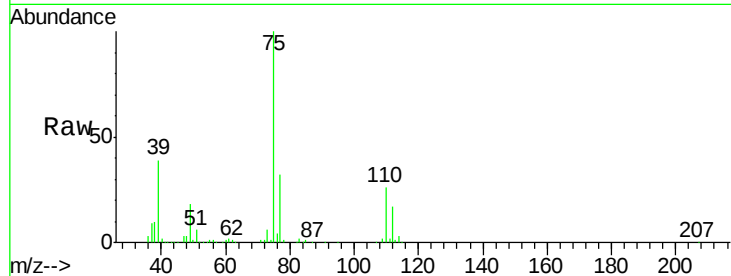
#53
t-1,3-Dichloropropene
Concen: 53.682 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 530238
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

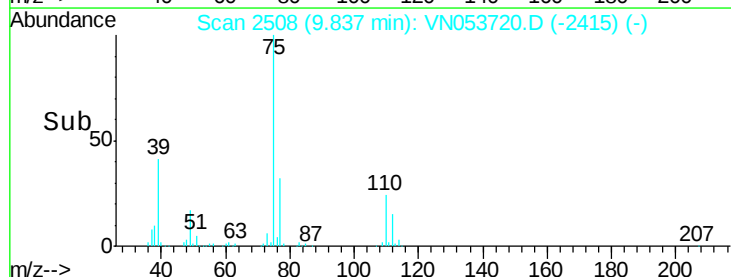
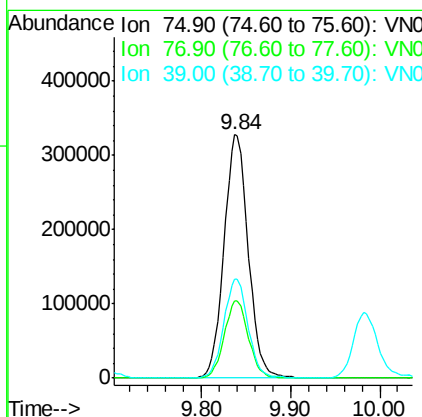
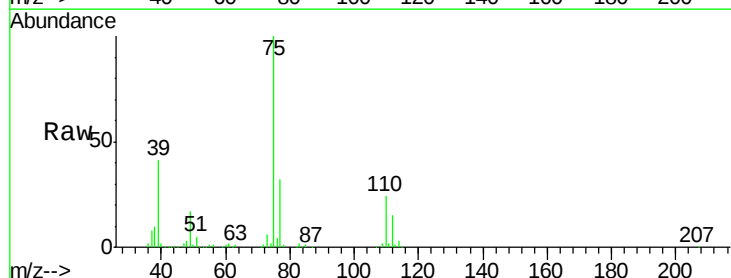
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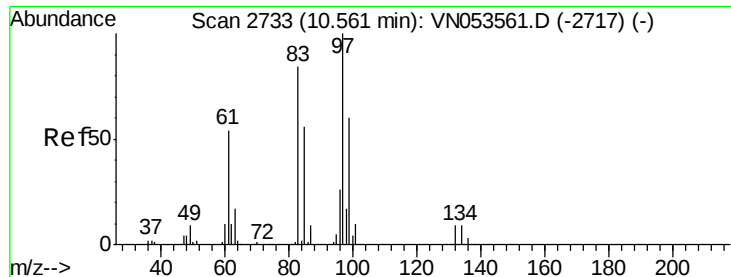
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#54
cis-1,3-Dichloropropene
Concen: 52.576 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 75 Resp: 615392
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
39 40.6 33.4 50.0





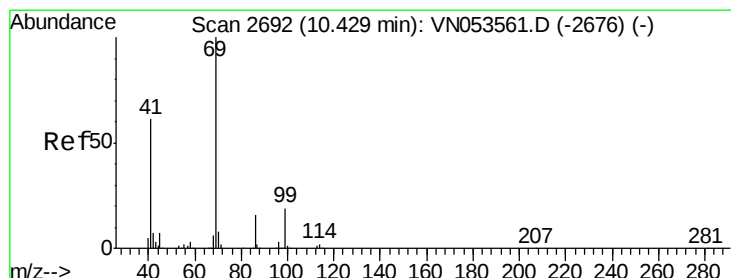
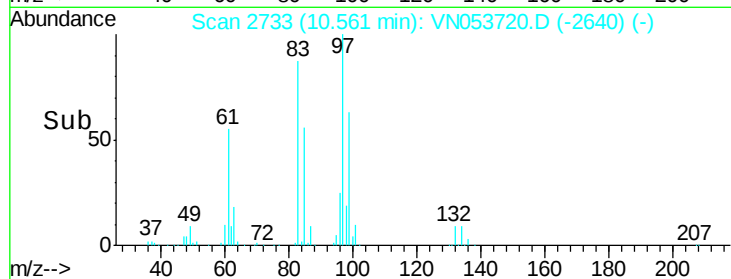
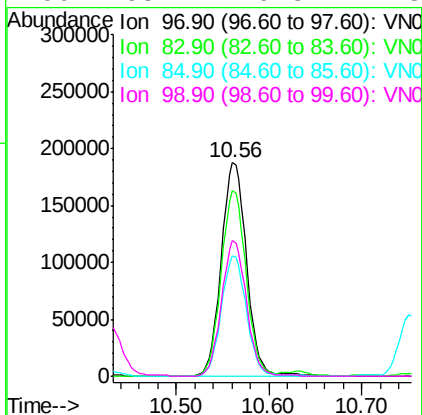
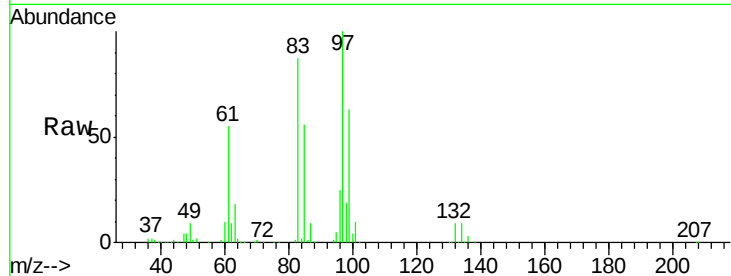
#55
 1,1,2-Trichloroethane
 Concen: 54.081 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	355875		
83	86.8		70.1	105.1
85	56.1		45.4	68.0
99	63.4		49.8	74.8

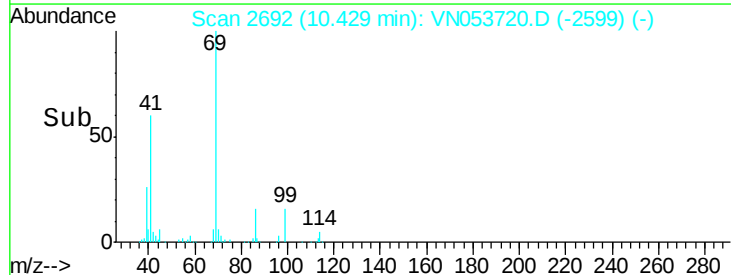
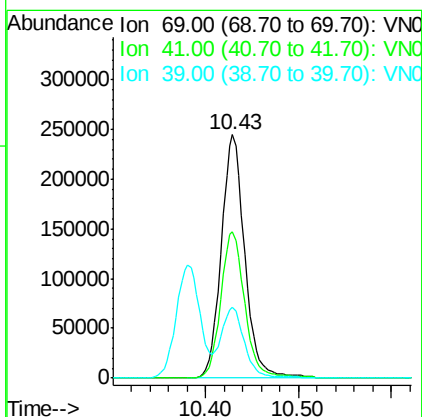
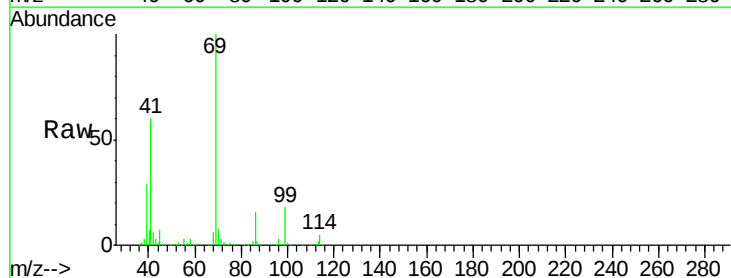
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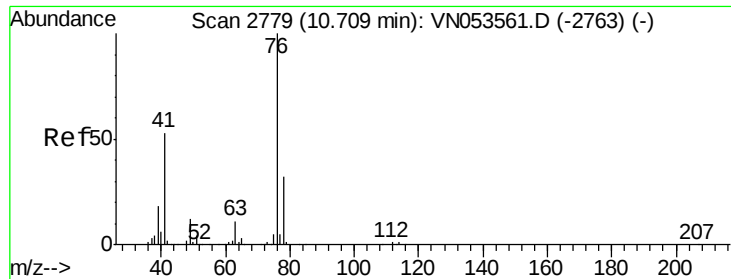
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#56
 Ethyl methacrylate
 Concen: 55.174 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	429511		
41	61.9		49.4	74.0
39	28.0		23.3	34.9





#57

1,3-Dichloropropane

Concen: 52.341 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 588645

Ion Ratio Lower Upper

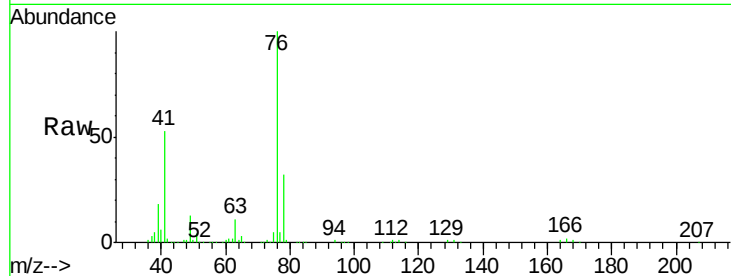
76 100

78 32.1 25.6 38.4

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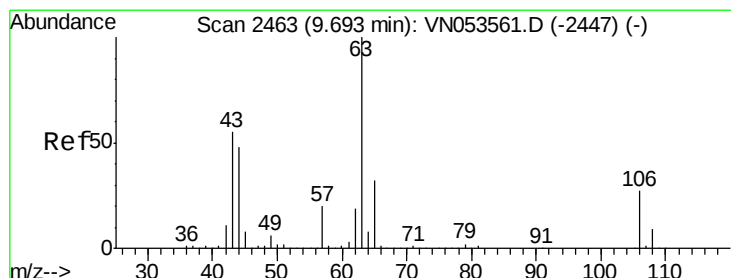
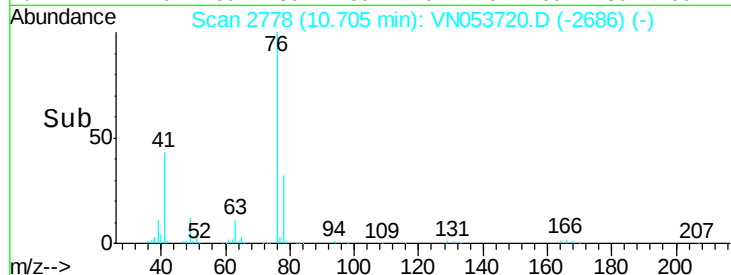
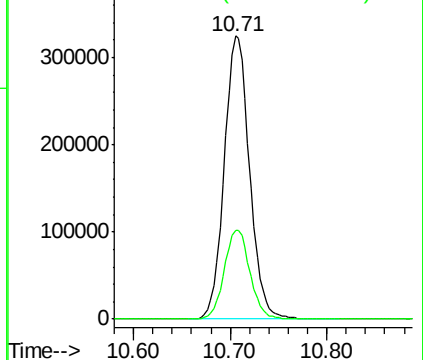
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#58

2-Chloroethyl Vinyl ether

Concen: 216.298 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053720.D

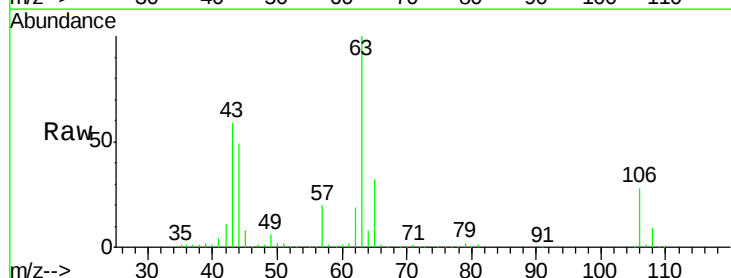
Acq: 12 Feb 2019 10:15

Tgt Ion: 63 Resp: 1038872

Ion Ratio Lower Upper

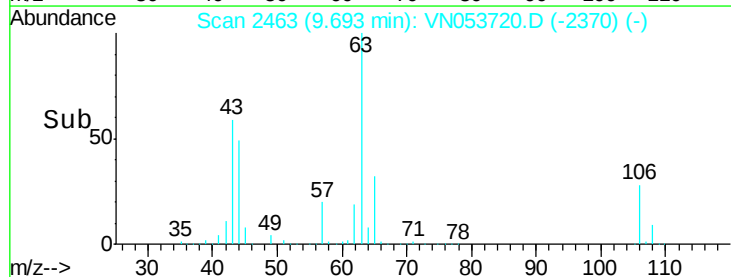
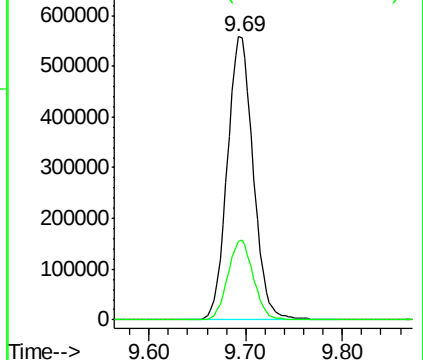
63 100

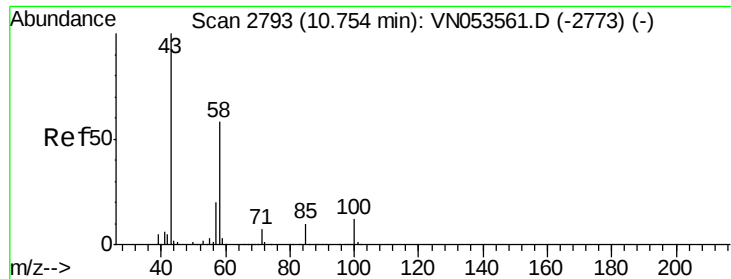
106 27.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): VNO





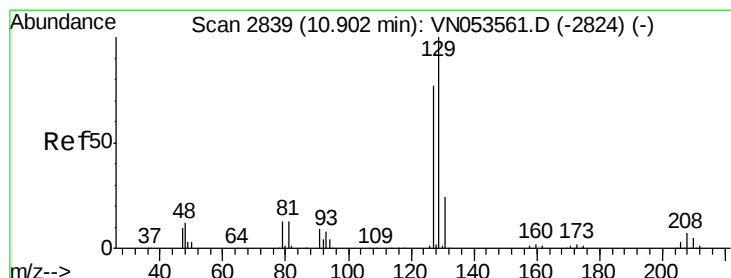
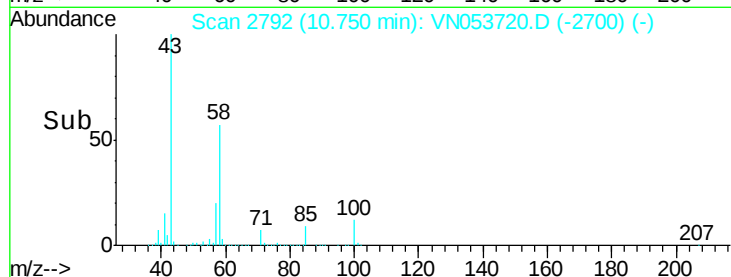
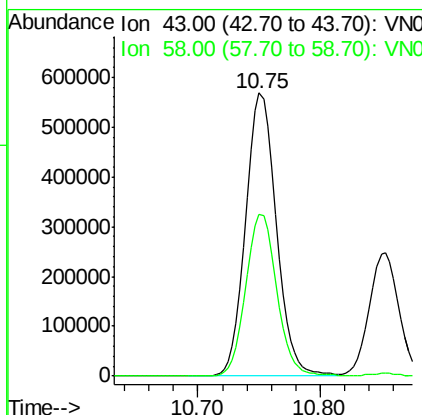
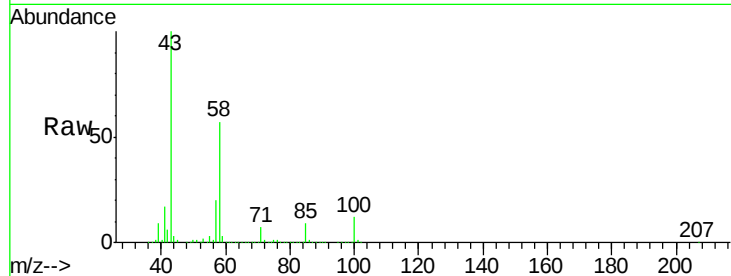
#59
2-Hexanone
Concen: 274.329 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 984918
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

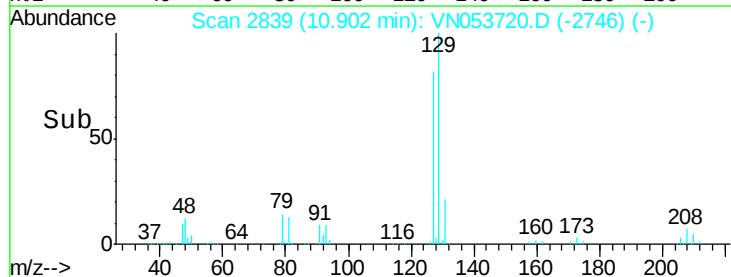
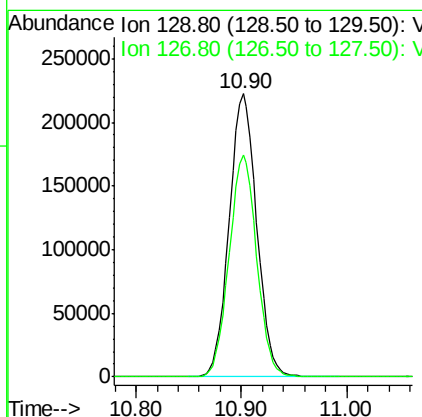
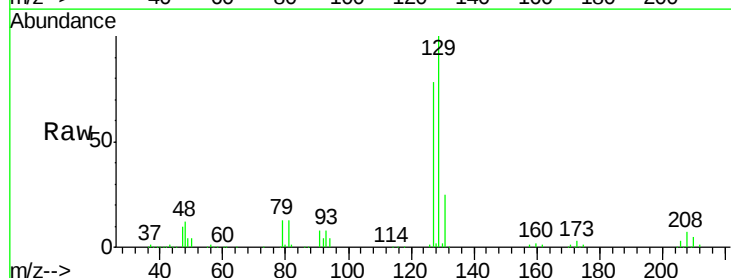
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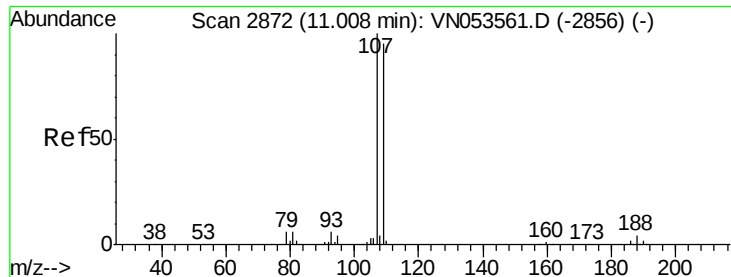
MMDadoda
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#60
Dibromochloromethane
Concen: 54.162 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 129 Resp: 401915
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





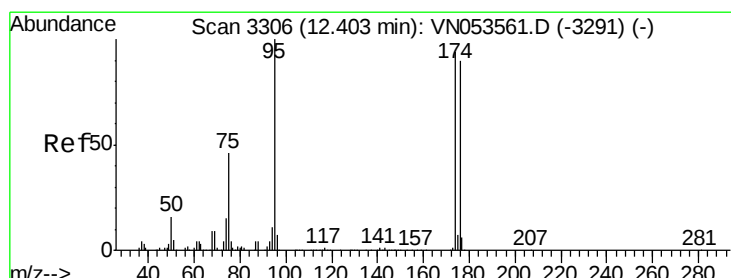
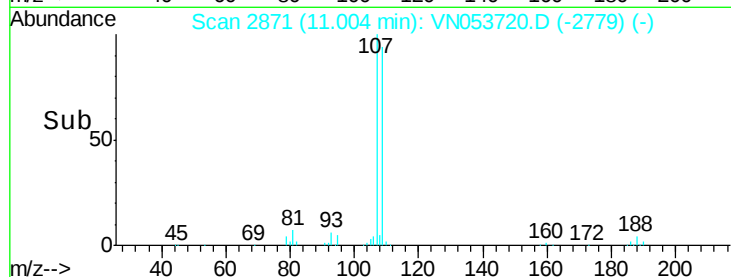
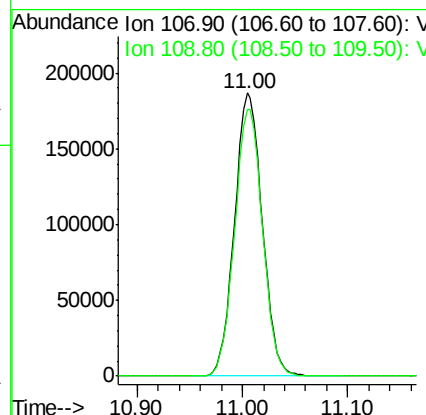
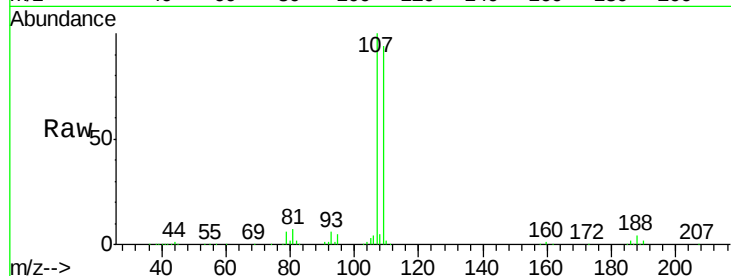
#61
 1,2-Dibromoethane
 Concen: 52.144 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.7	113.5

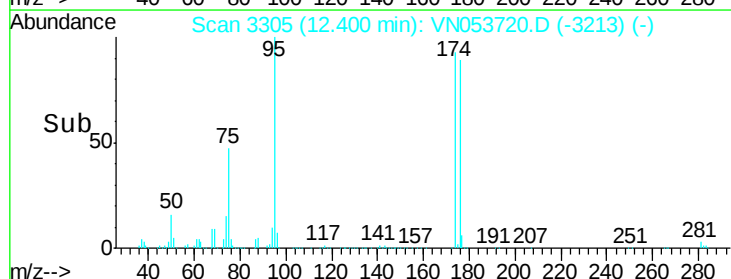
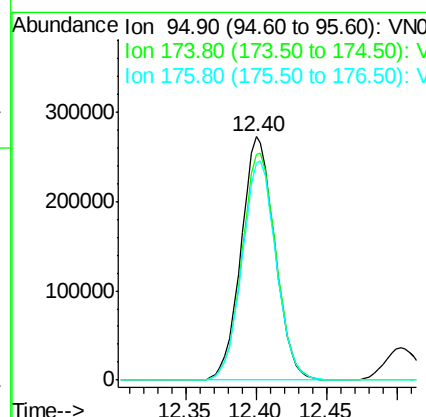
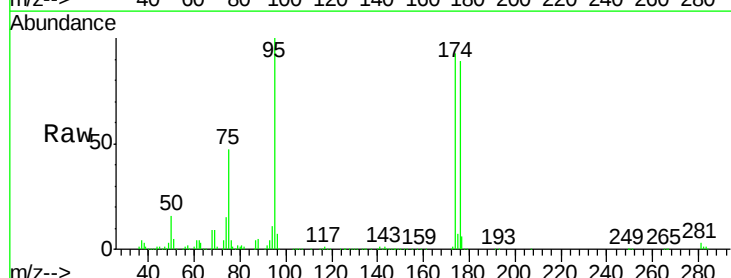
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#62
 4-Bromofluorobenzene
 Concen: 52.122 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	183.2
176	91.0	0.0	177.4





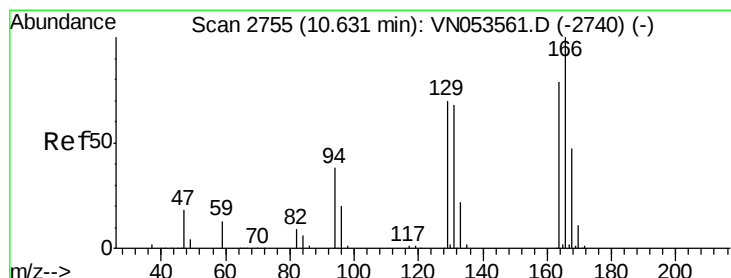
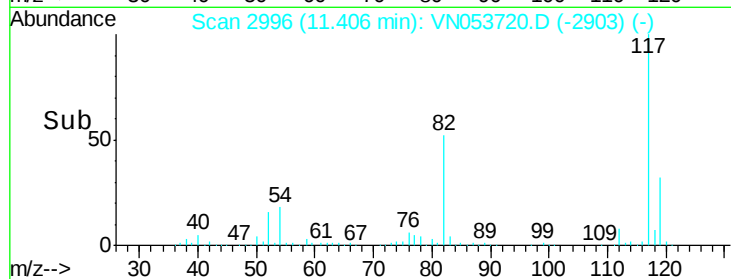
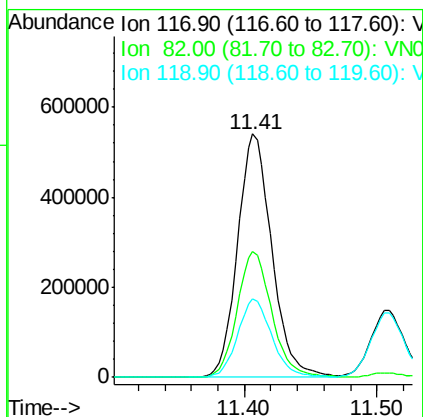
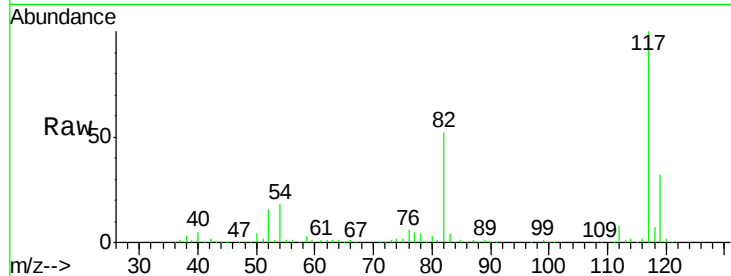
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	973596		
82	51.6		42.9	64.3
119	32.0		26.0	39.0

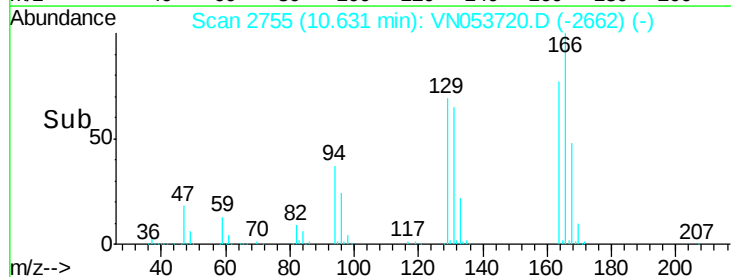
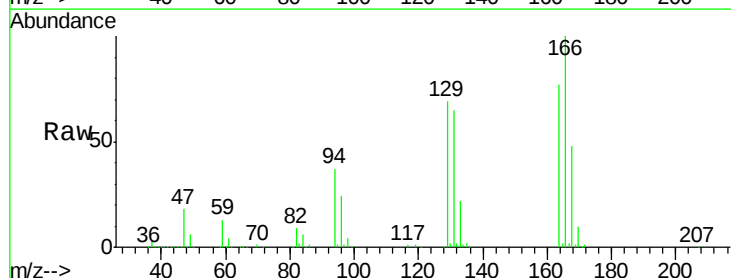
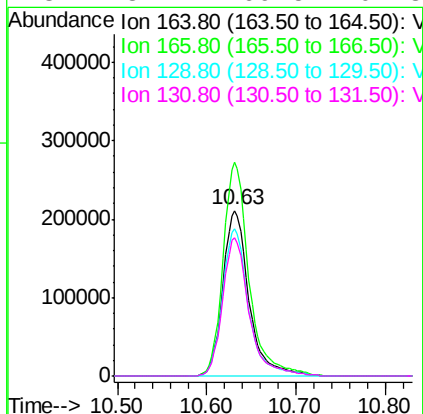
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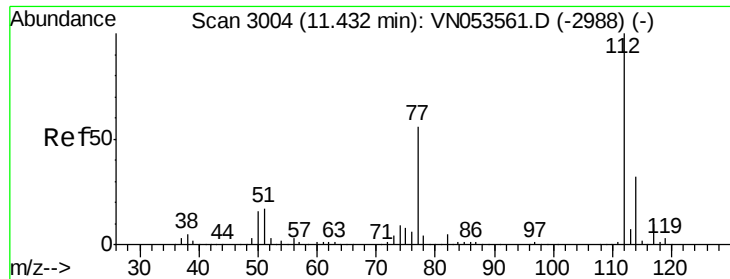
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#64
Tetrachloroethene
Concen: 51.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	428461		
166	129.3		102.2	153.4
129	89.4		72.6	109.0
131	84.1		69.5	104.3





#65

Chlorobenzene

Concen: 51.135 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1057481

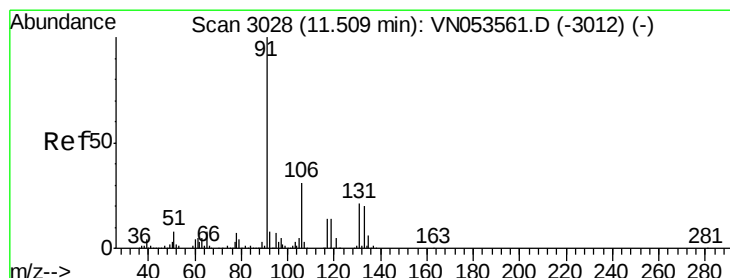
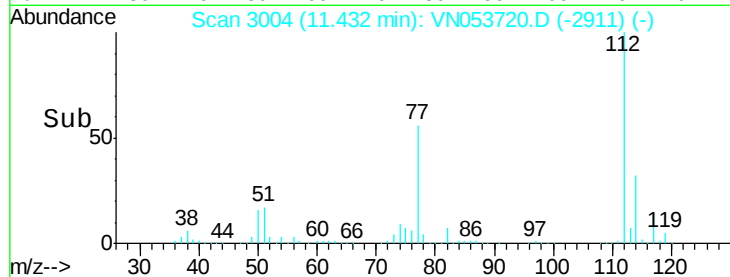
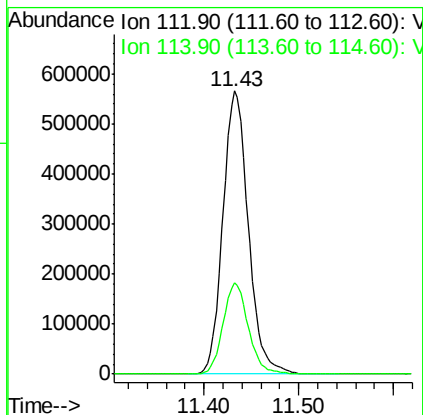
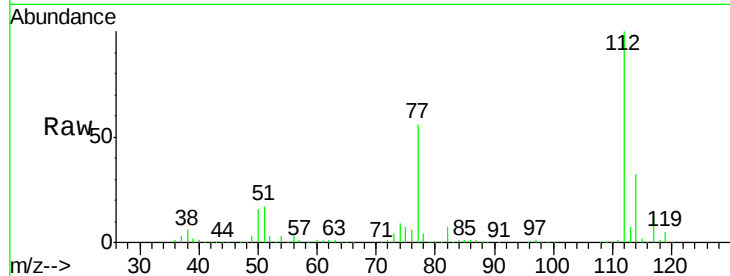
Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.339 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

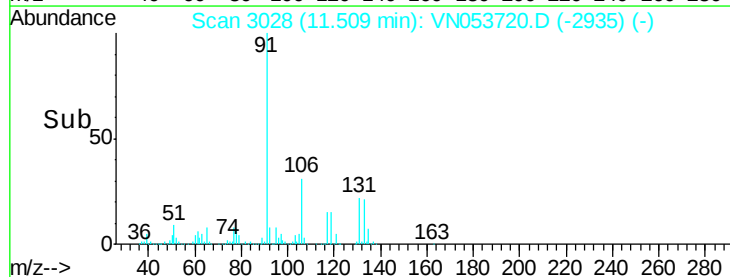
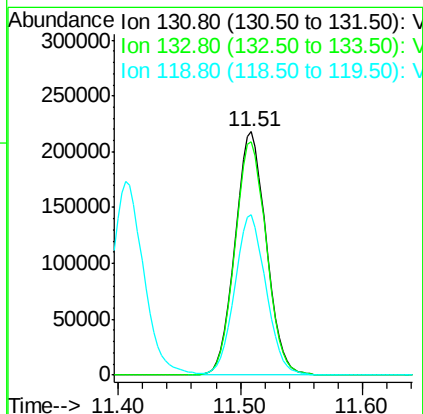
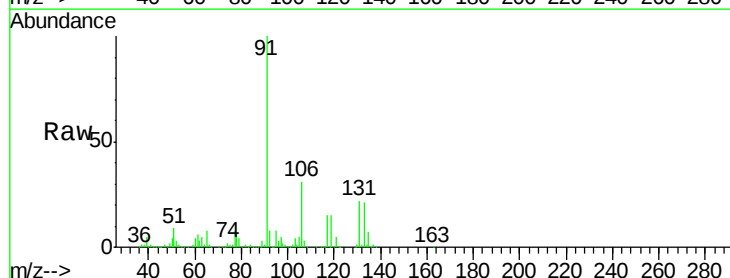
Tgt Ion:131 Resp: 385233

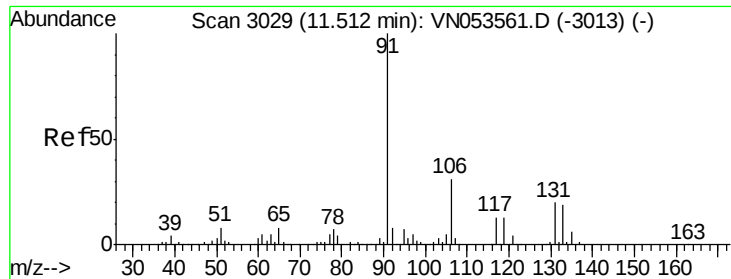
Ion Ratio Lower Upper

131 100

133 96.9 48.0 144.0

119 66.3 33.5 100.5





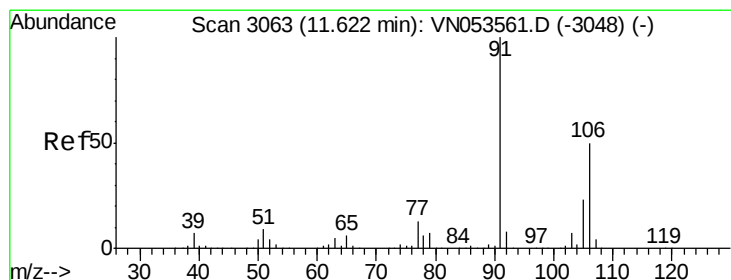
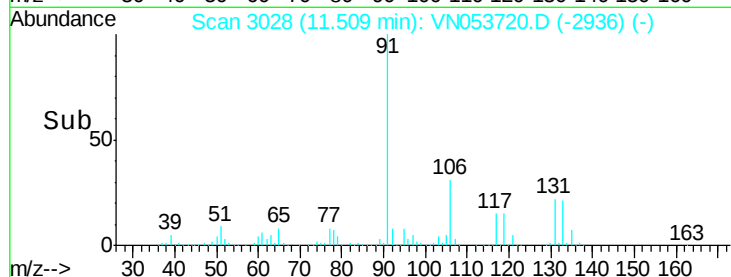
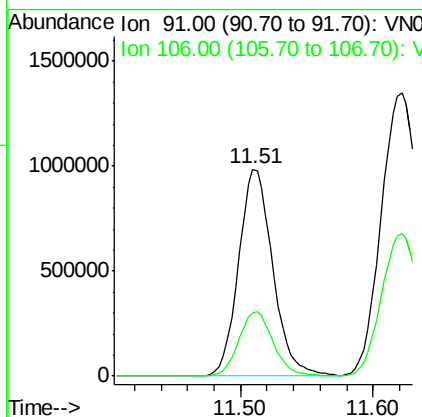
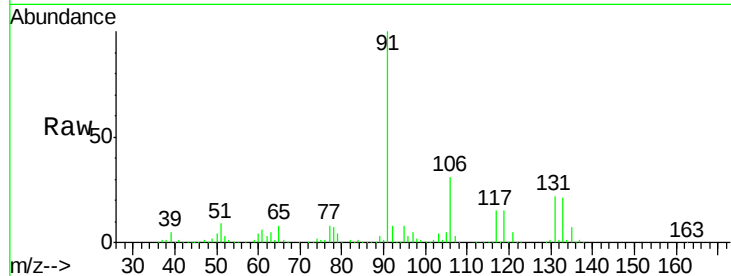
#67
Ethyl Benzene
Concen: 52.079 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1769195
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

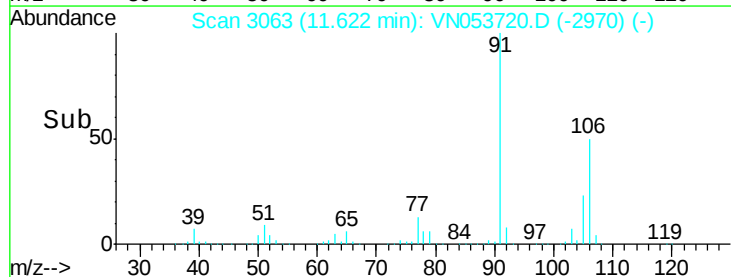
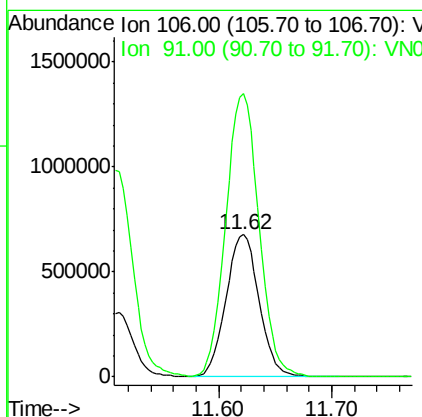
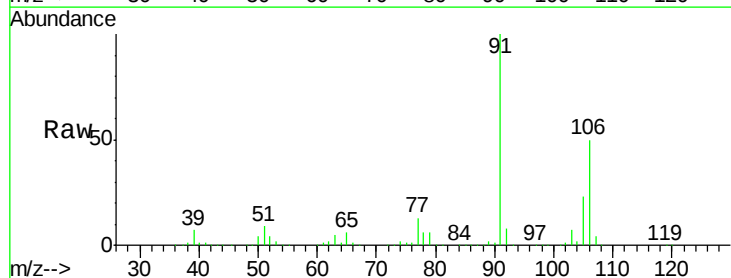
Manual Integrations
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#68
m/p-Xylenes
Concen: 106.391 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 106 Resp: 1379421
Ion Ratio Lower Upper
106 100
91 199.7 161.4 242.2





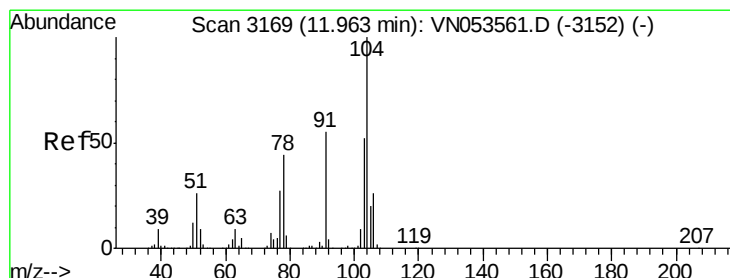
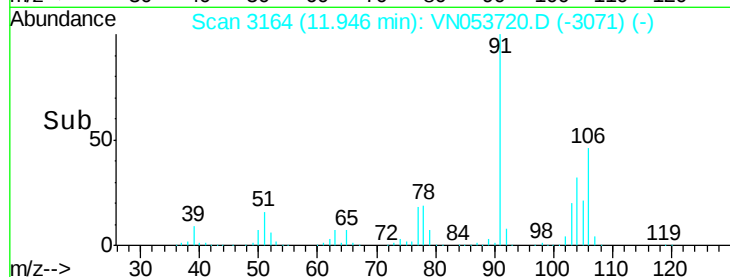
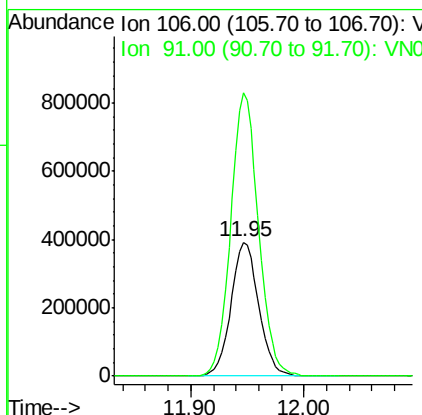
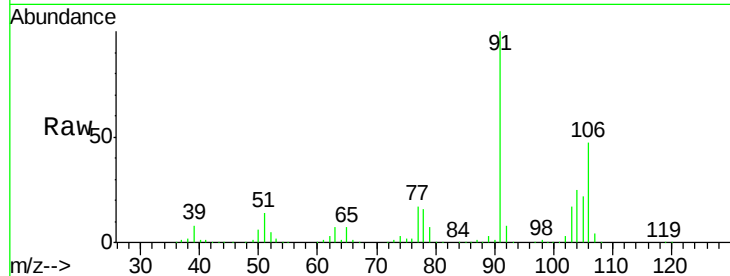
#69
o-Xylene
Concen: 53.176 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 666082
Ion Ratio Lower Upper
106 100
91 212.3 106.9 320.8

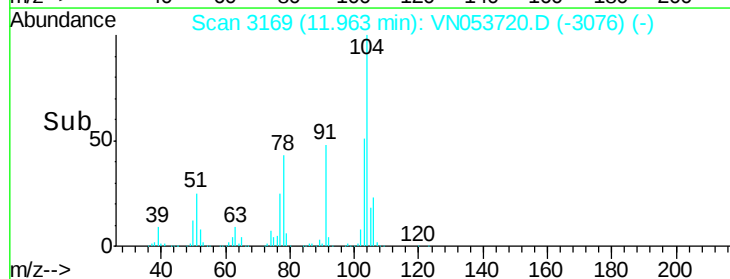
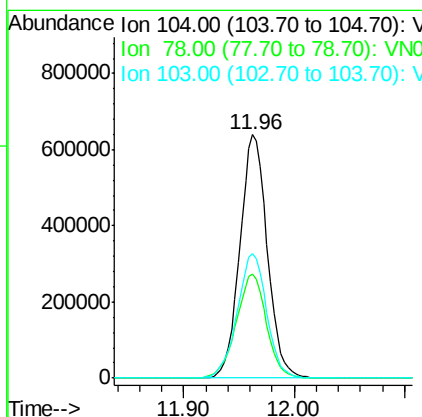
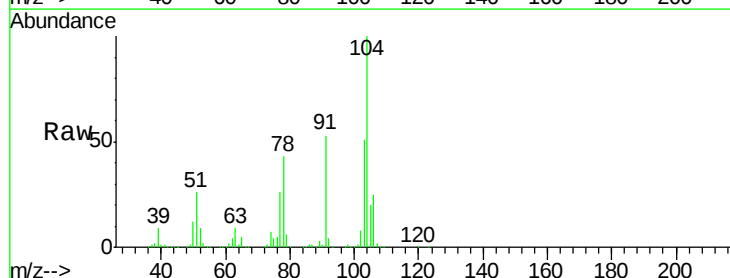
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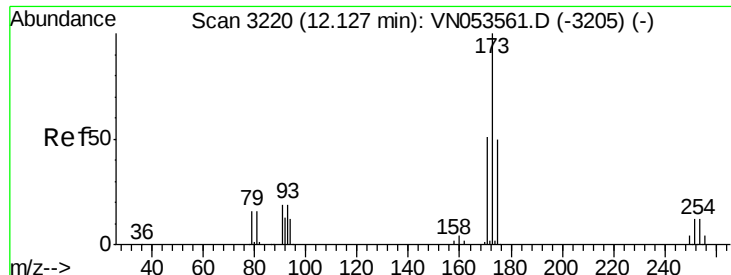
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#70
Styrene
Concen: 53.978 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion:104 Resp: 1095877
Ion Ratio Lower Upper
104 100
78 47.0 38.2 57.2
103 55.2 44.4 66.6





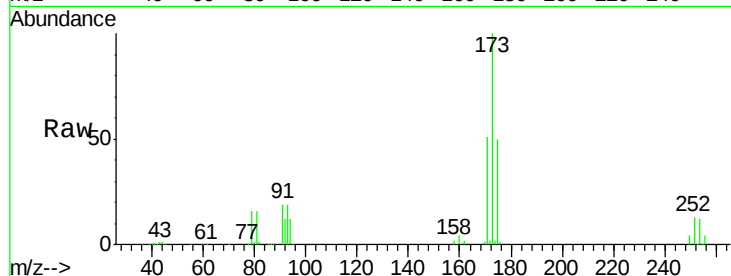
#71
Bromoform
Concen: 56.808 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

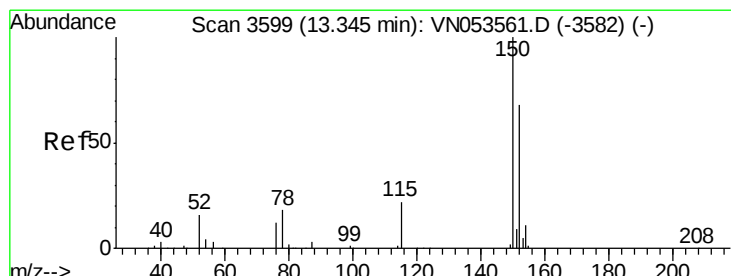
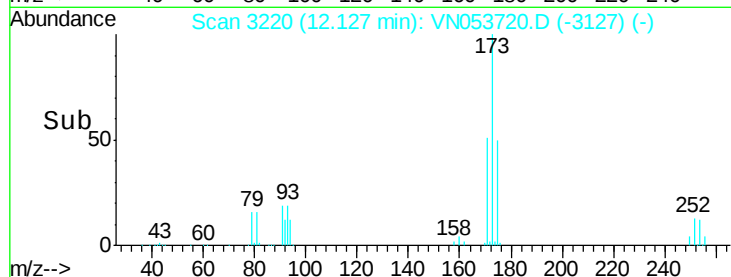
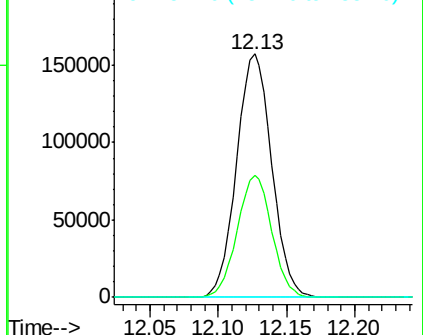
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	74.0
254	0.2	0.2	0.2

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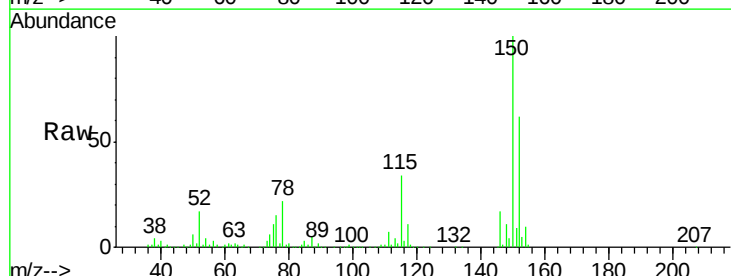


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

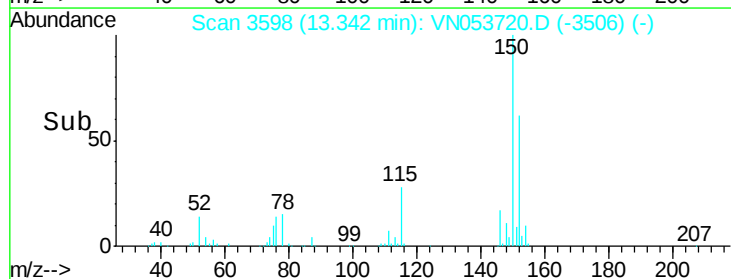
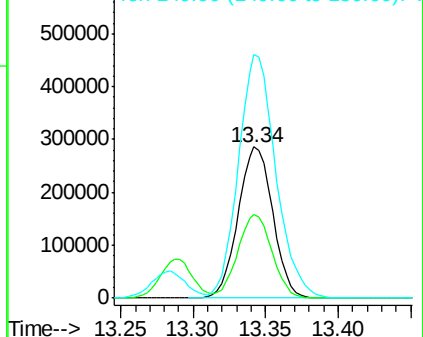


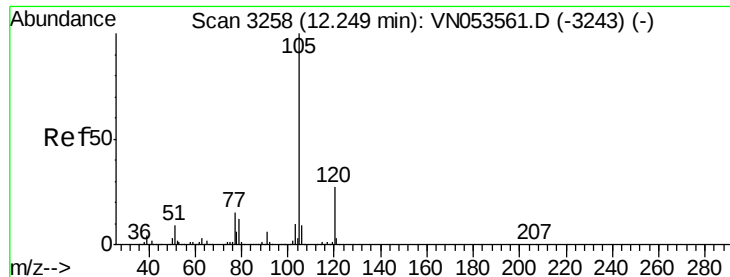
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	174.5	0.0	349.0



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





#73

Isopropylbenzene

Concen: 52.798 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1754831

Ion Ratio Lower Upper

105 100

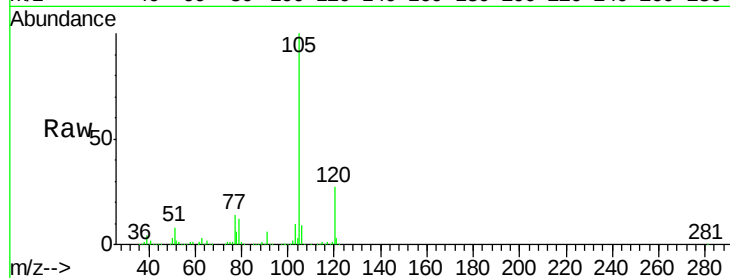
120 27.0 13.6 40.7

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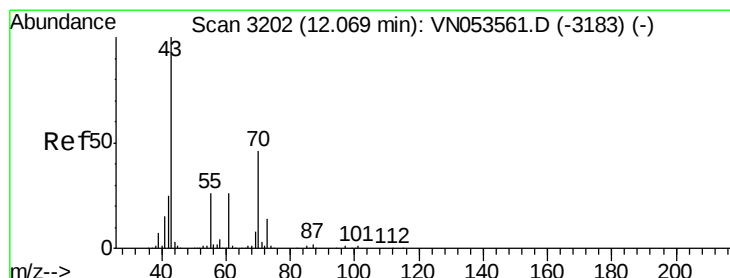
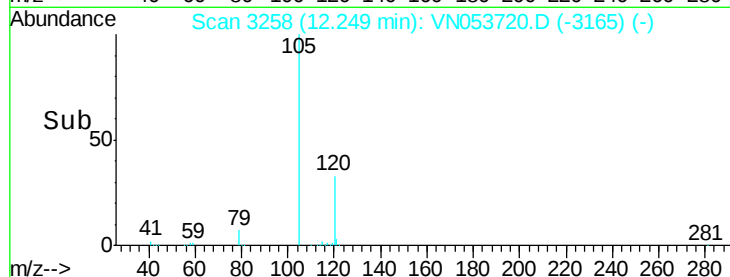
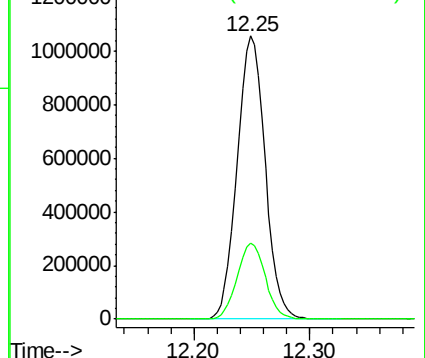
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.884 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Tgt Ion: 43 Resp: 446643

Ion Ratio Lower Upper

43 100

70 45.2 35.4 53.2

55 26.2 20.9 31.3

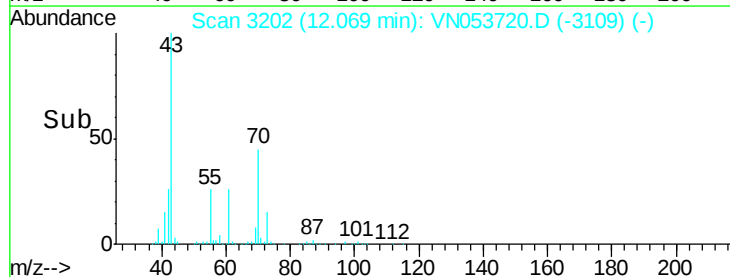
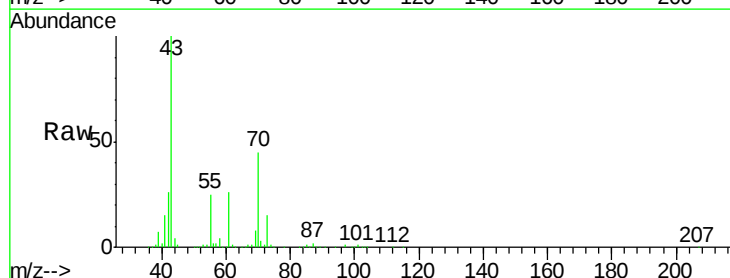
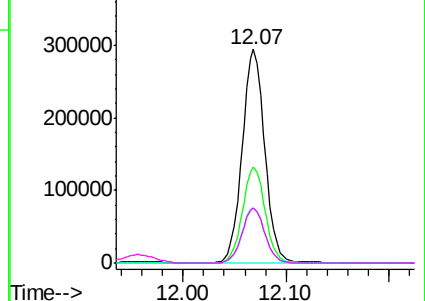
61 25.9 20.5 30.7

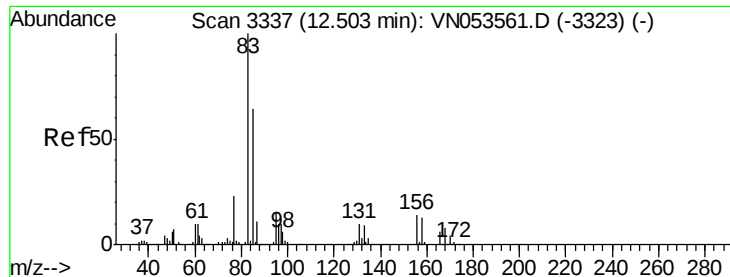
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.426 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 417022

Ion Ratio Lower Upper

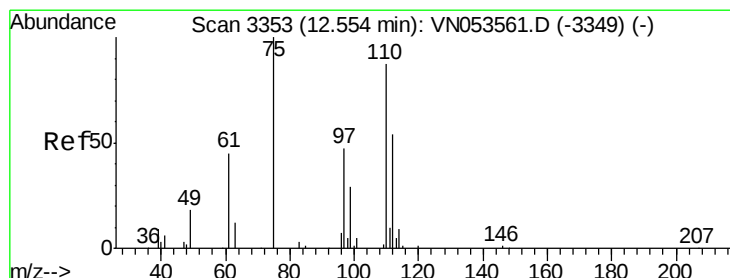
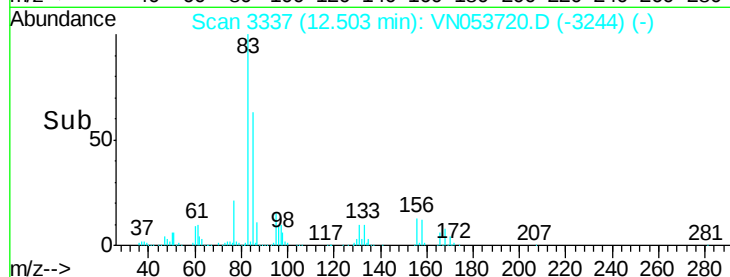
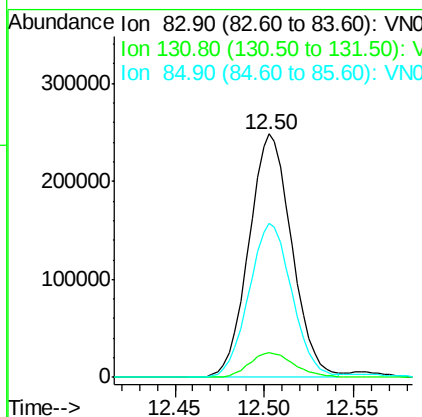
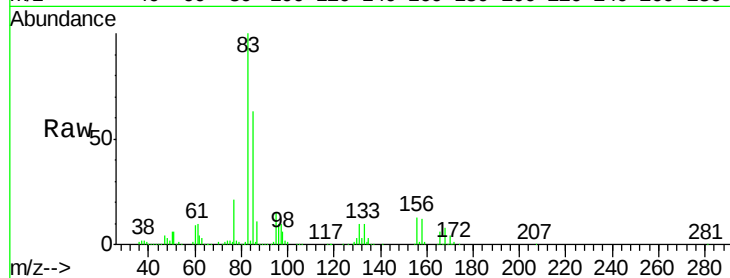
83 100

131 10.8 5.3 15.8

85 63.8 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 56.528 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053720.D

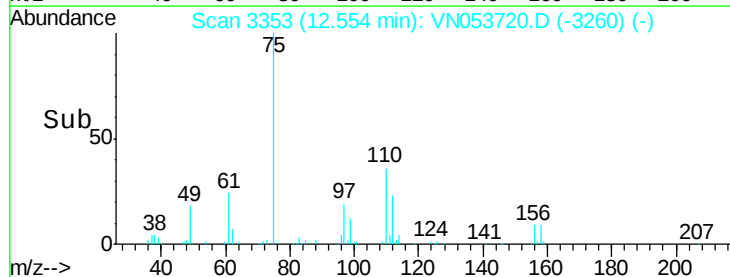
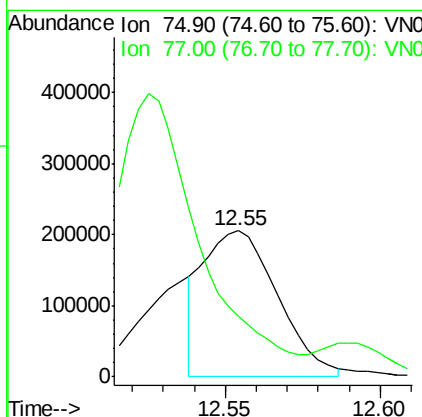
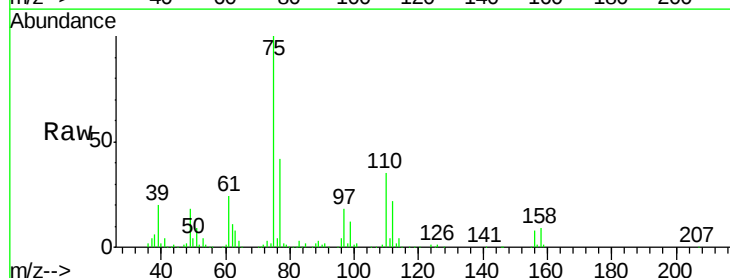
Acq: 12 Feb 2019 10:15

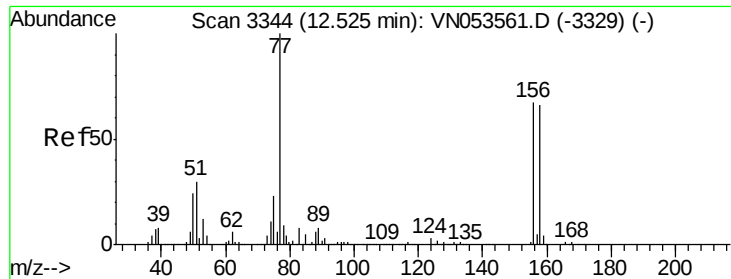
Tgt Ion: 75 Resp: 343283

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.357 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

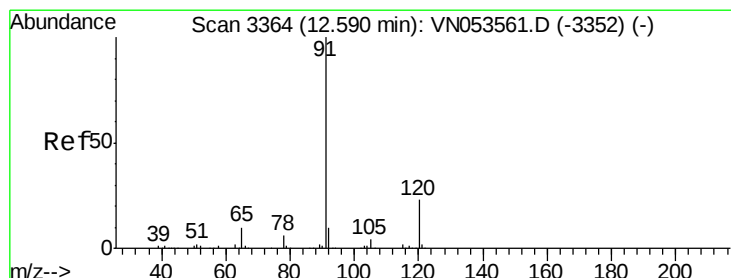
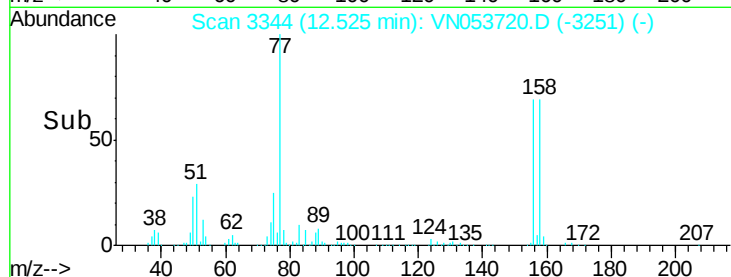
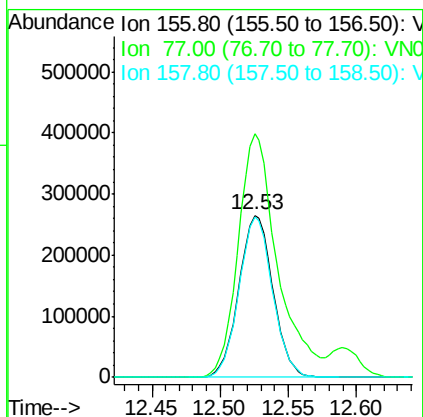
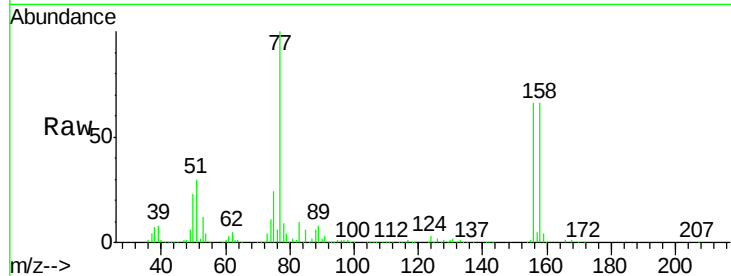
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	460032
Ion Ratio	Lower	Upper	
156	100		
77	172.7	87.9	263.8
158	97.6	48.8	146.4

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#78

n-propylbenzene

Concen: 53.421 ug/l

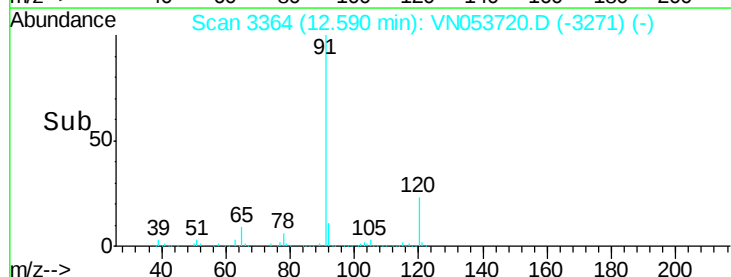
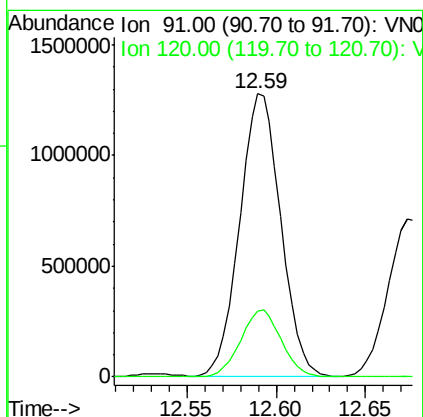
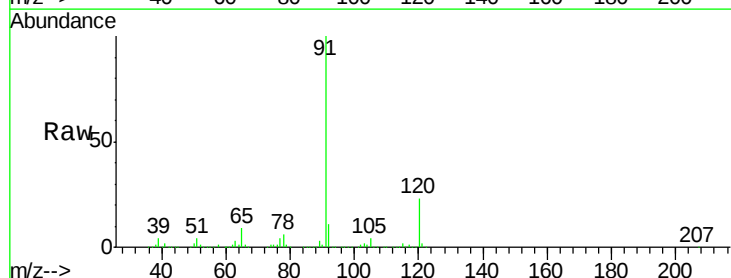
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Tgt Ion:	91	Resp:	2052537
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 52.570 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1198347

Ion Ratio Lower Upper

91 100

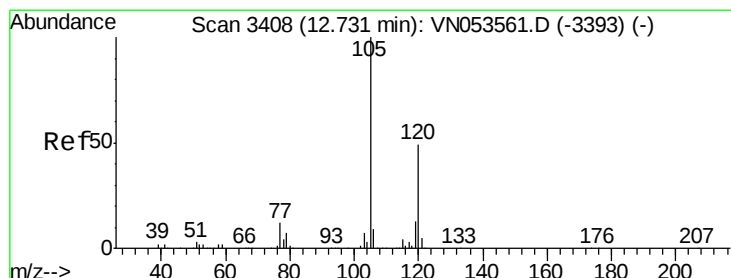
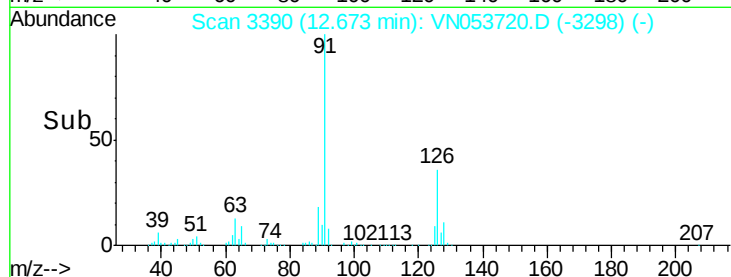
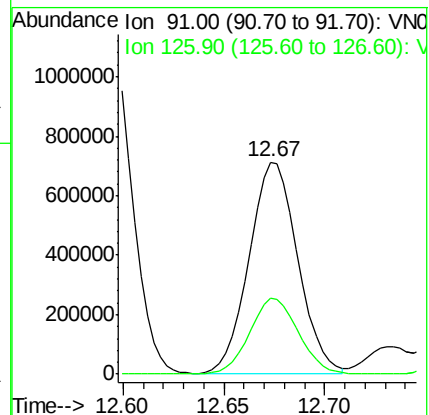
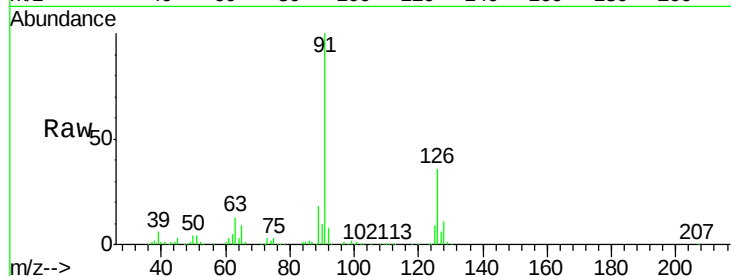
126 36.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.069 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053720.D

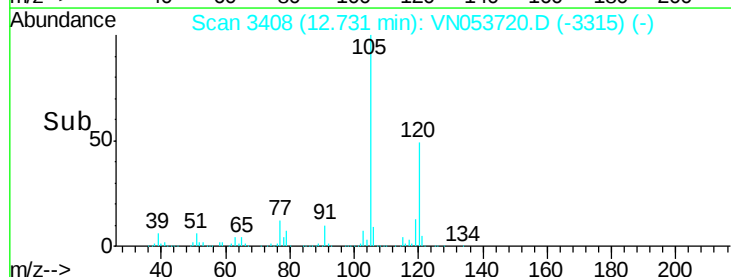
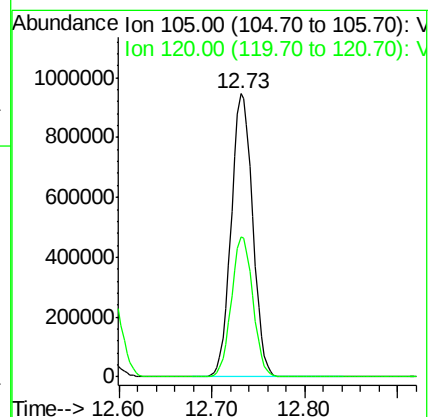
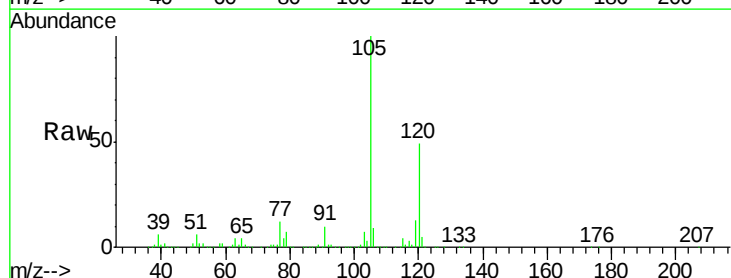
Acq: 12 Feb 2019 10:15

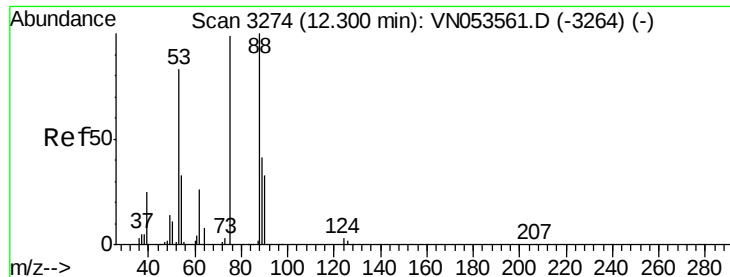
Tgt Ion: 105 Resp: 1517774

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





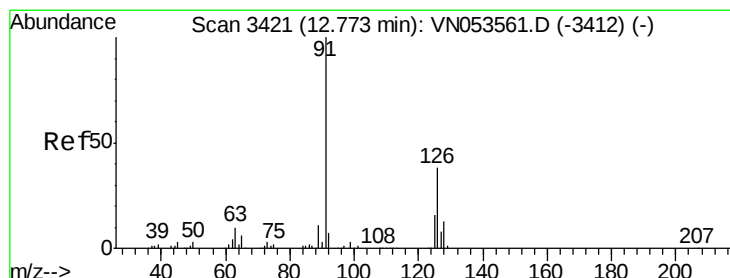
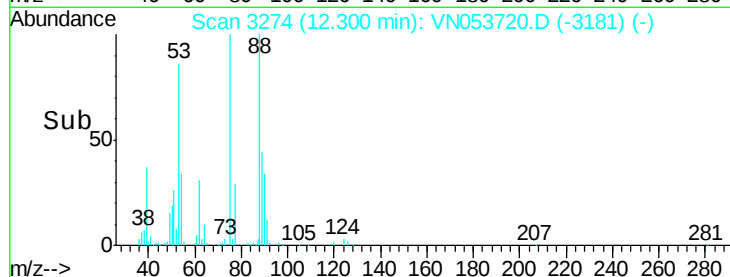
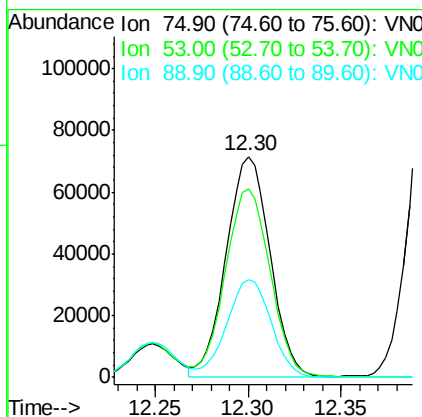
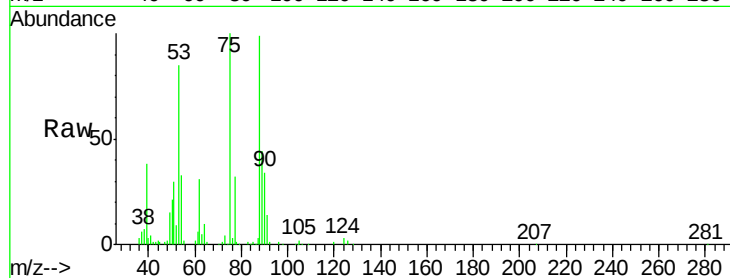
#81
trans-1,4-Dichloro-2-butene
Concen: 54.683 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	69.8	104.6
89	44.4	35.6	53.4

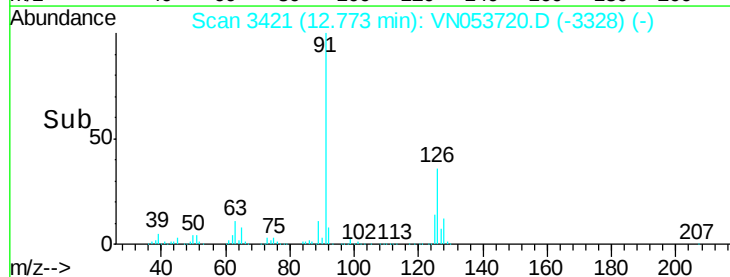
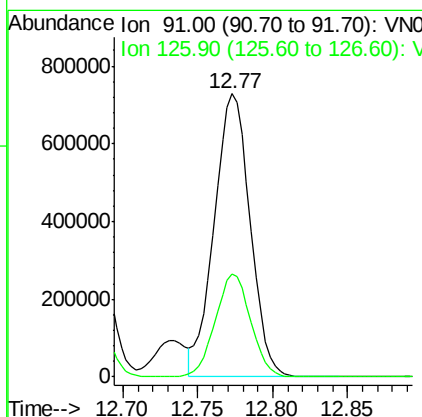
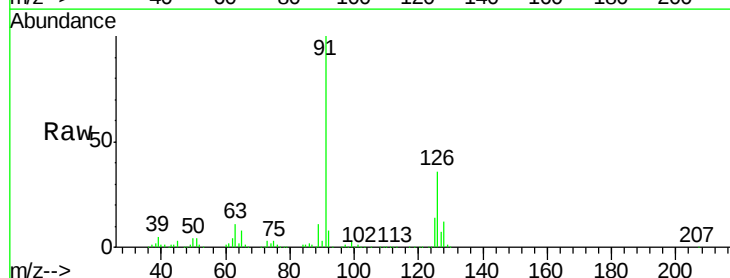
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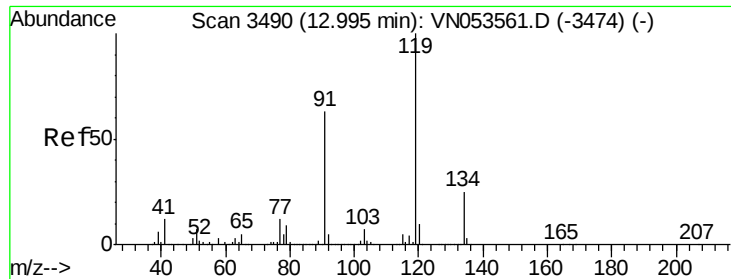
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.906 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.9





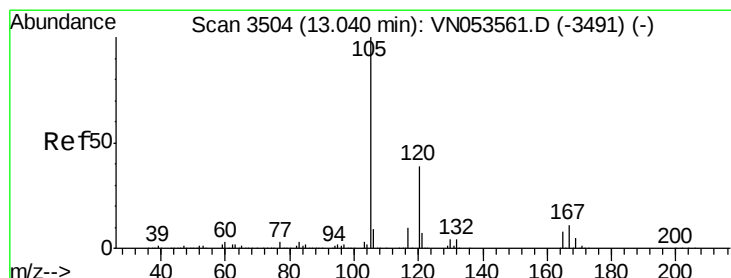
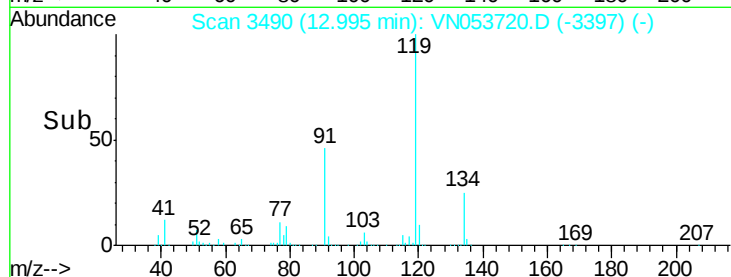
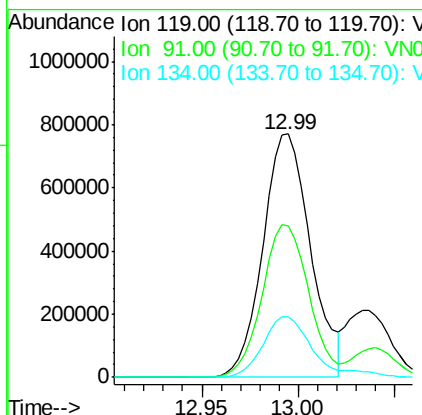
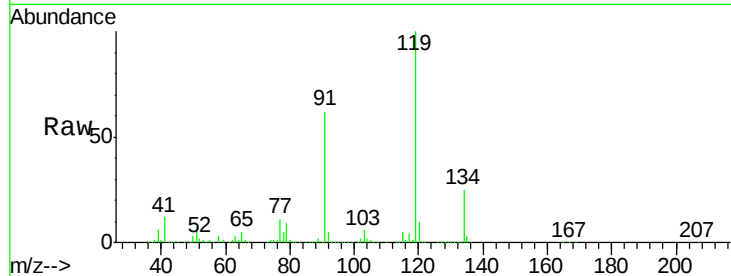
#83
tert-Butylbenzene
Concen: 54.260 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.3	93.8
134	26.2	12.9	38.7

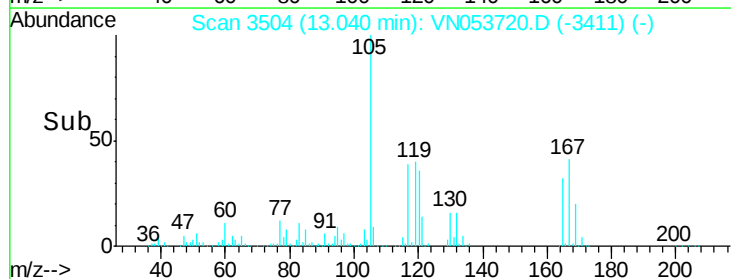
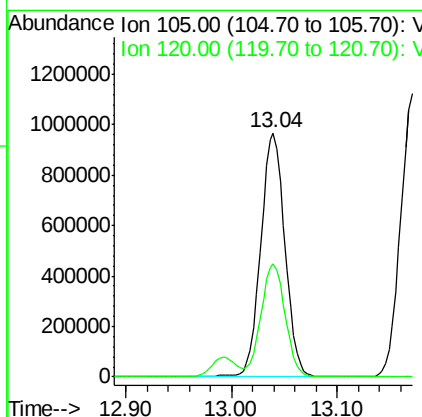
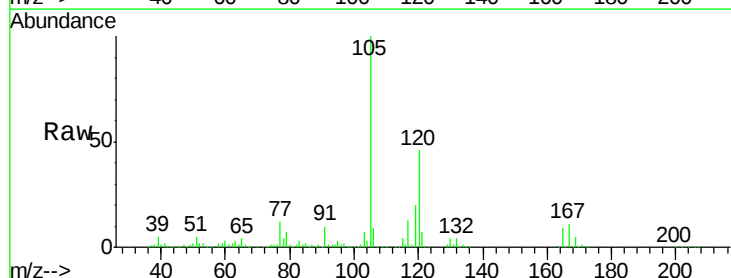
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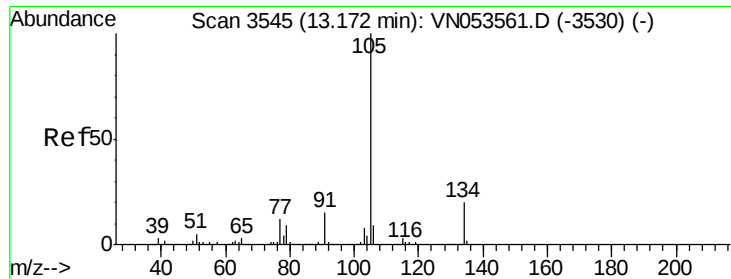
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#84
1,2,4-Trimethylbenzene
Concen: 55.093 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 54.437 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1804517

Ion Ratio Lower Upper

105 100

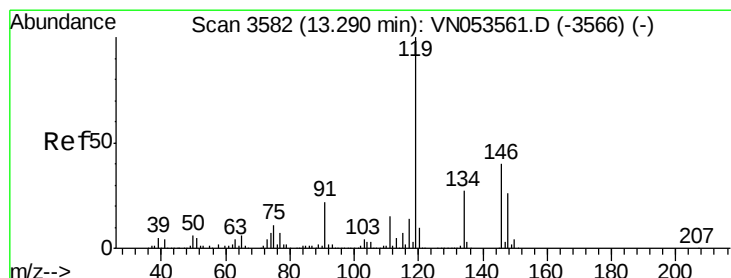
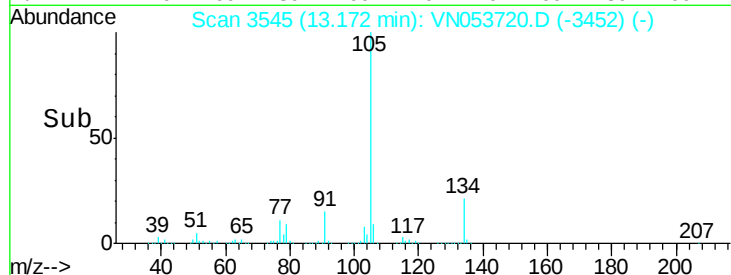
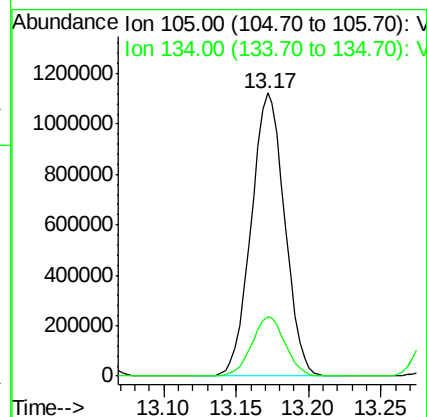
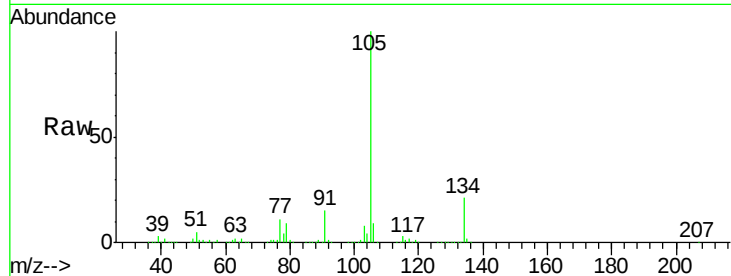
134 20.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.177 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053720.D

Acq: 12 Feb 2019 10:15

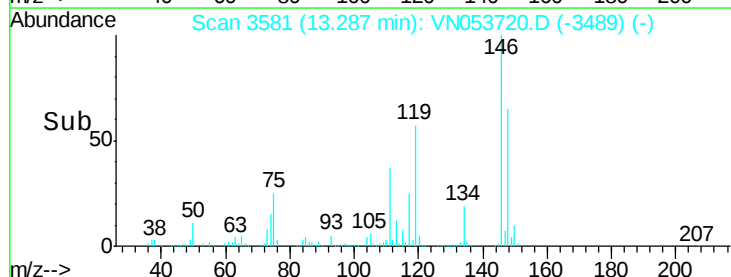
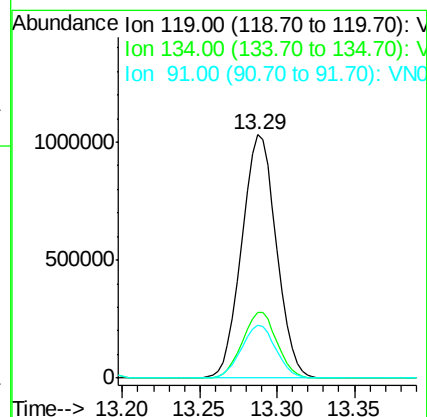
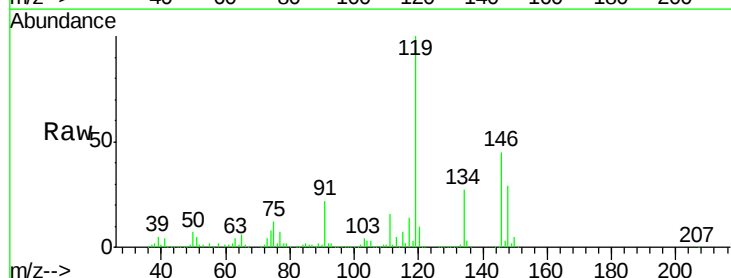
Tgt Ion:119 Resp: 1599651

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 21.6 11.0 33.0





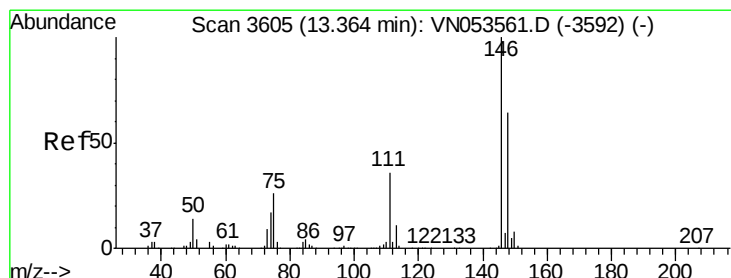
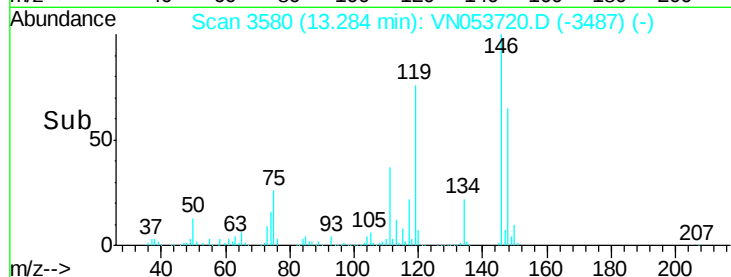
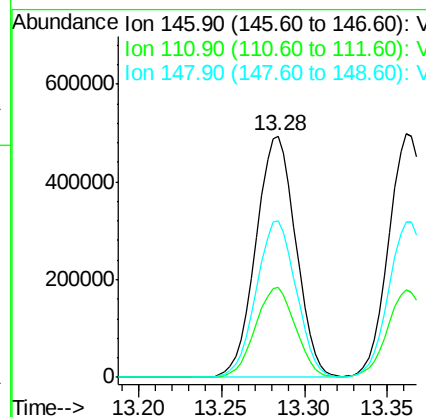
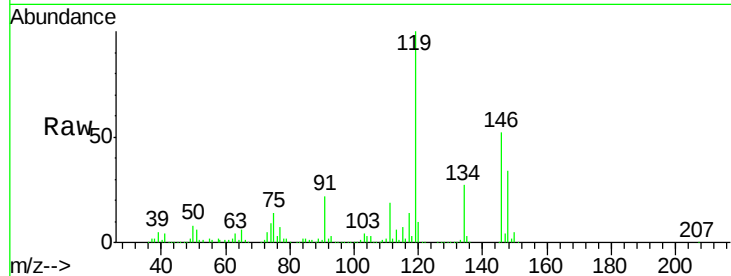
#87
 1,3-Dichlorobenzene
 Concen: 51.397 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	827633		
111	37.4	18.8	56.3	
148	64.6	32.0	96.2	

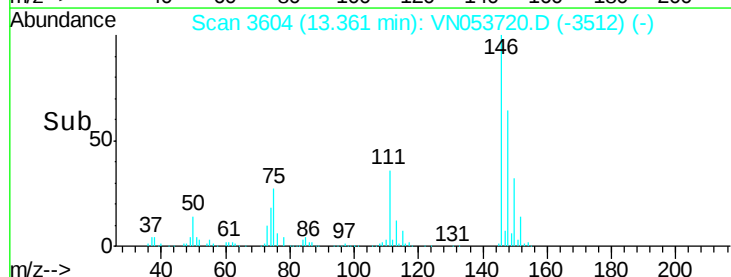
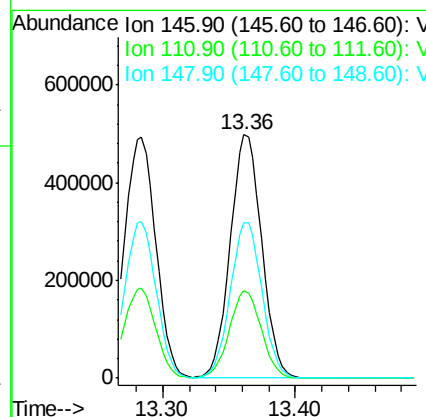
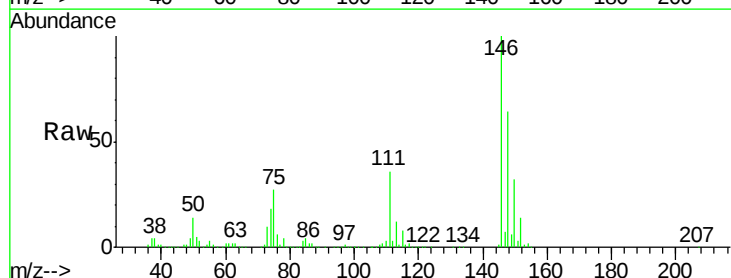
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#88
 1,4-Dichlorobenzene
 Concen: 51.481 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	820023		
111	36.5	18.6	55.8	
148	64.4	32.4	97.0	





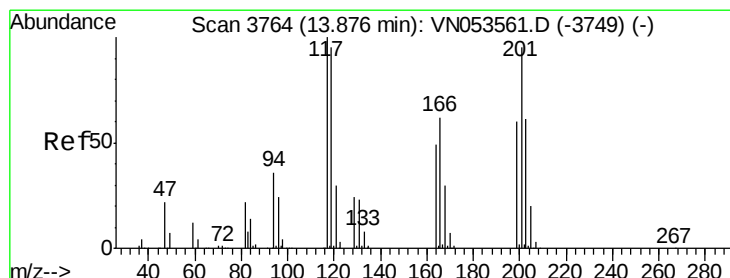
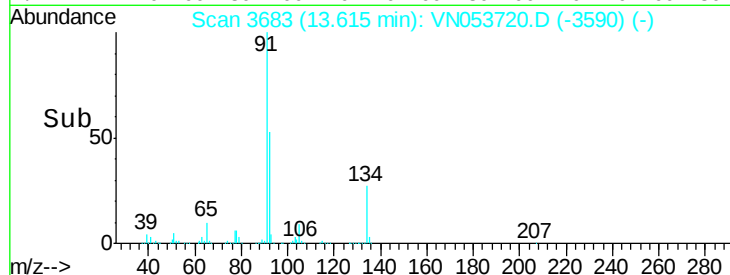
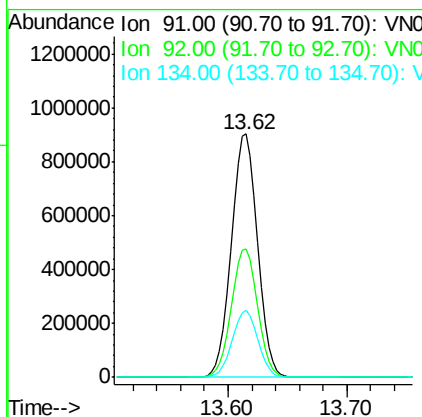
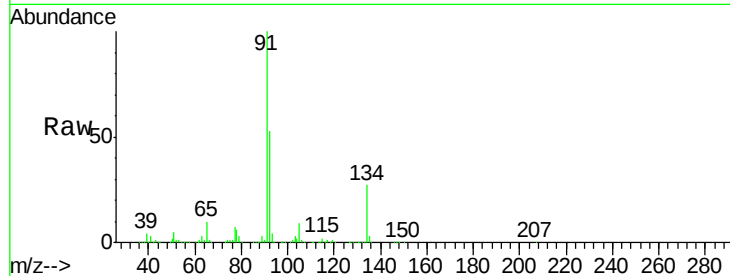
#89
n-Butylbenzene
Concen: 54.709 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1372847
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.8
134 27.1 13.5 40.5

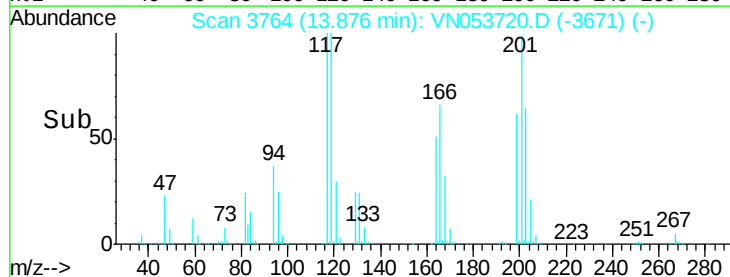
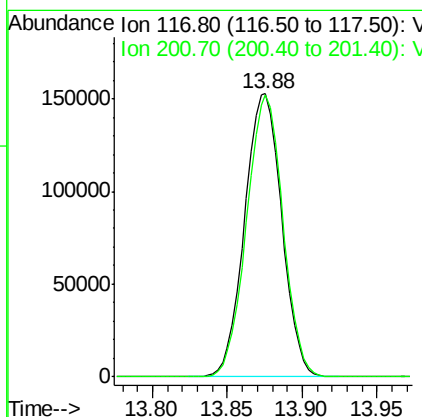
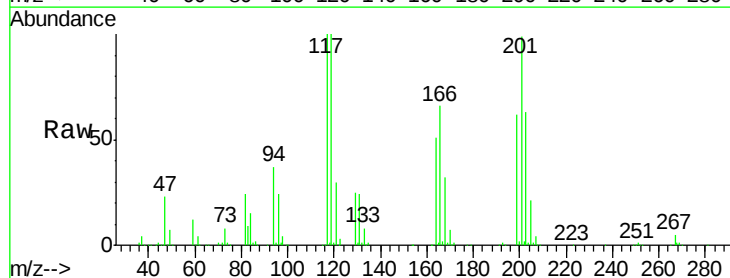
Manual Integrations
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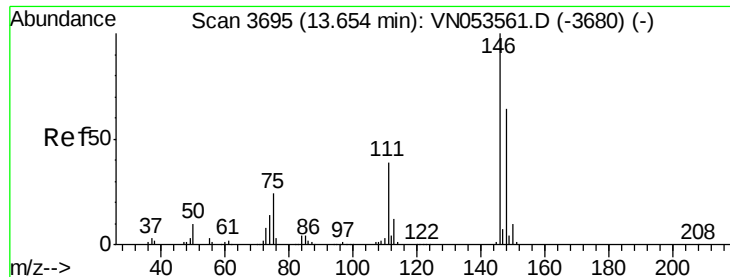
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#90
Hexachloroethane
Concen: 55.142 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion: 117 Resp: 263689
Ion Ratio Lower Upper
117 100
201 97.3 46.8 140.4





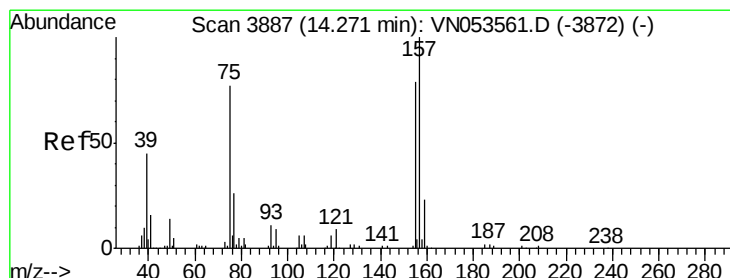
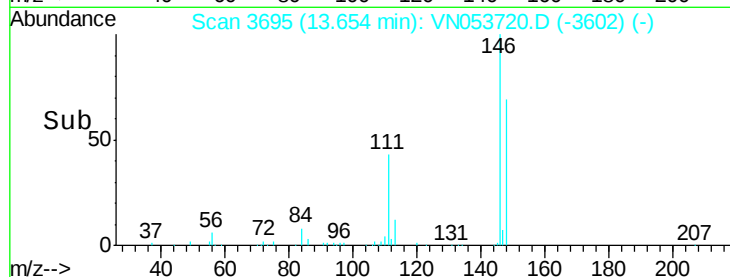
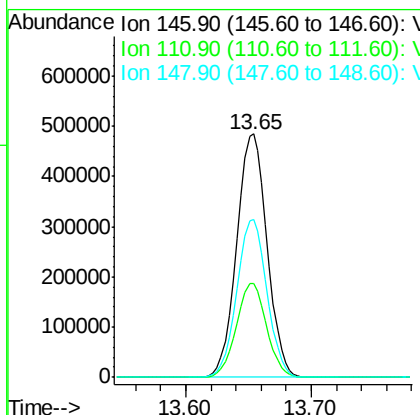
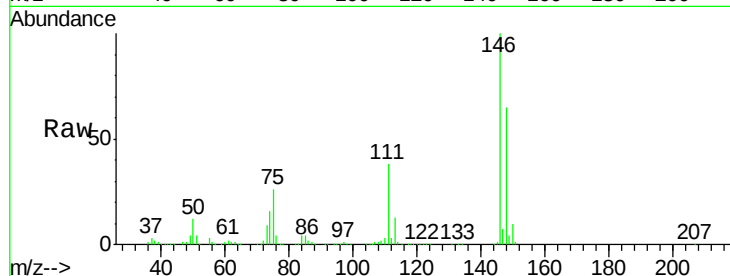
#91
 1,2-Dichlorobenzene
 Concen: 52.806 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	64.2	31.9	95.9

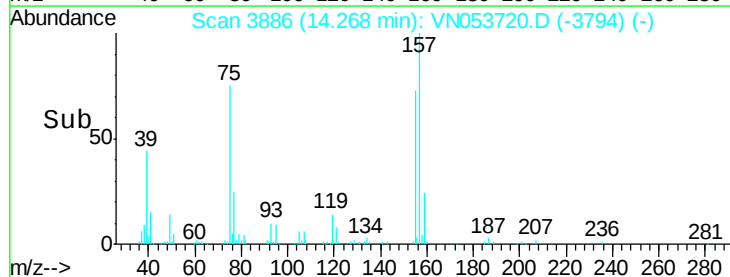
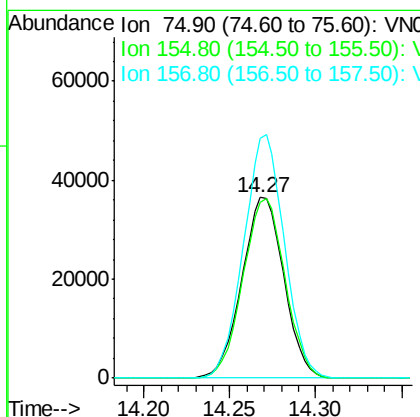
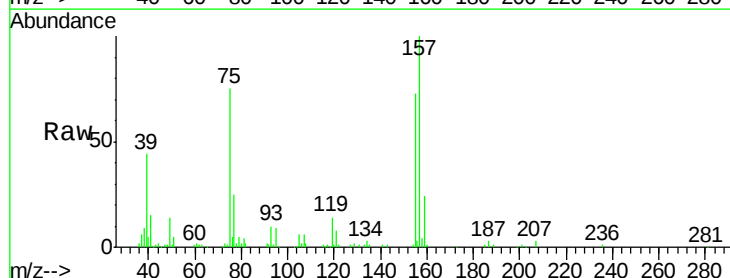
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.694 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.9	146.7
157	130.7	63.7	191.3





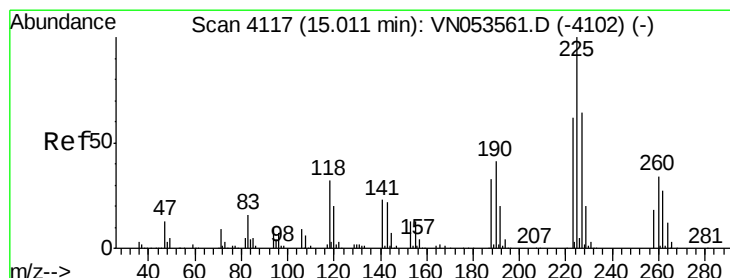
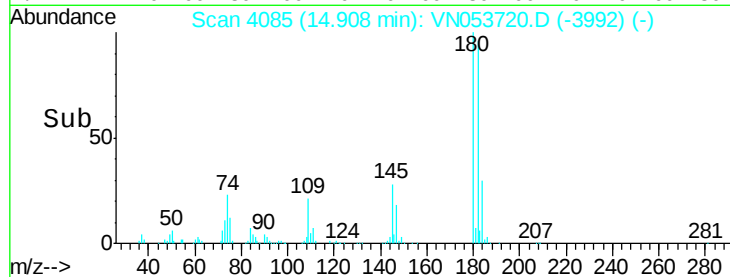
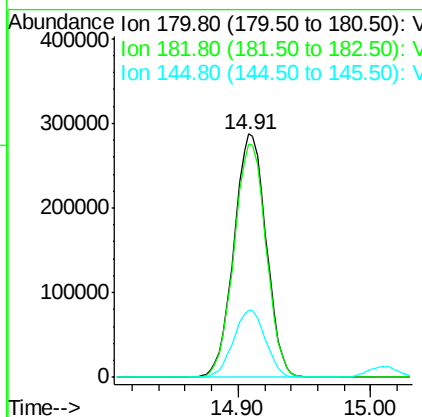
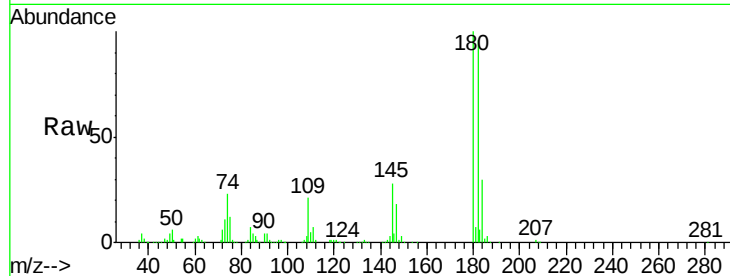
#93
 1,2,4-Trichlorobenzene
 Concen: 54.675 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	483403		
182	95.8	48.1	144.3	
145	27.6	13.9	41.6	

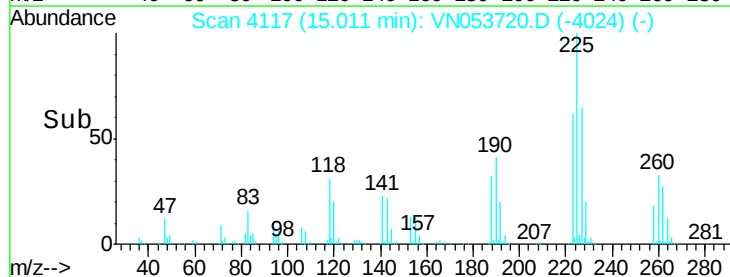
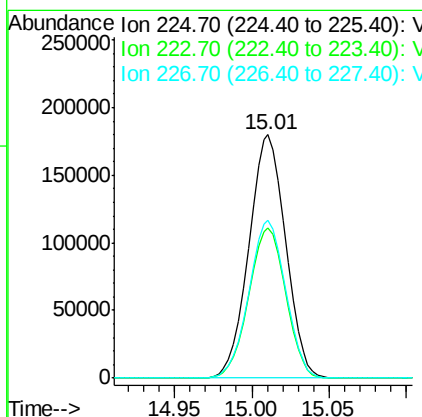
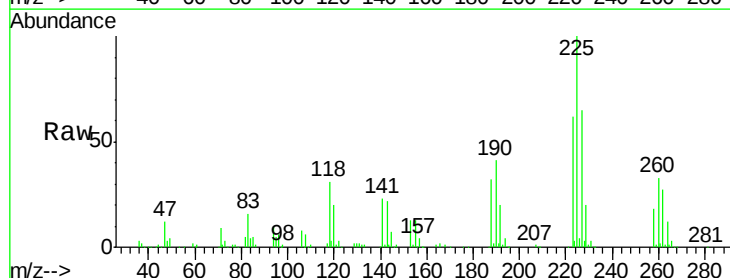
Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:16:05 PM



#94
 Hexachlorobutadiene
 Concen: 54.011 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053720.D
 Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	297389		
223	62.2	31.1	93.2	
227	64.9	32.0	96.2	





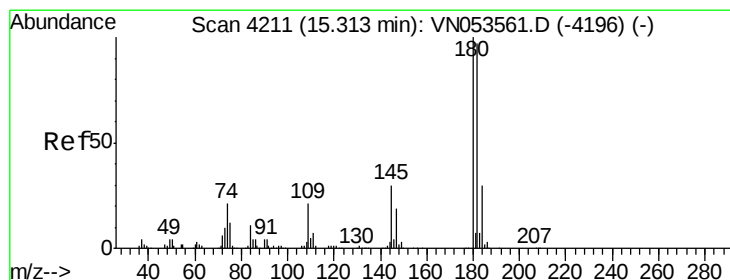
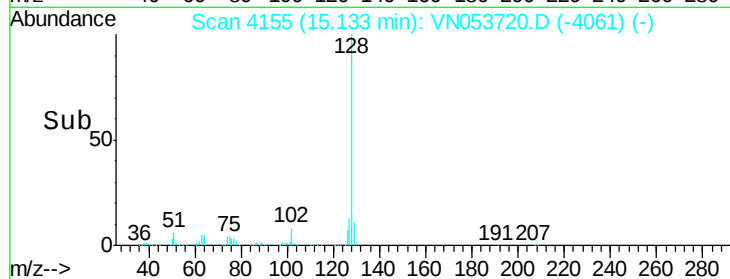
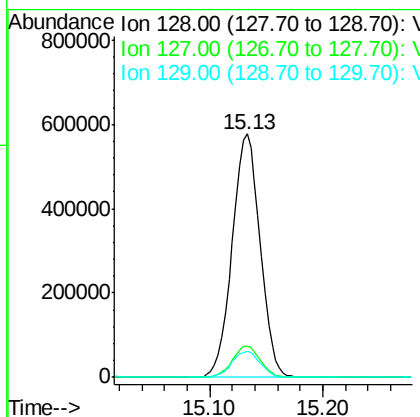
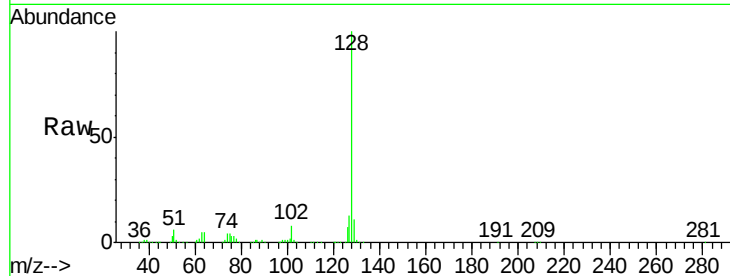
#95
Naphthalene
Concen: 47.739 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	989815		
127	12.8	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

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2/13/2019 12:16:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.300 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053720.D
Acq: 12 Feb 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	453665		
182	96.0	47.9	143.8	
145	29.5	14.7	44.1	

