

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
 Data File : VN060712.D
 Acq On : 26 Mar 2020 14:18
 Operator : JC/MD
 Sample : L1997-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Manual Integrations
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 3/27/2020 10:11:26 AM

Quant Time: Mar 27 06:56:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	131019	50.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.90%	
35) Dibromofluoromethane	7.56	113	98490	49.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.54%	
50) Toluene-d8	10.08	98	389618	47.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.40	95	143315	47.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	90896	49.657	ug/l	99
3) Chloromethane	2.04	50	159490	46.652	ug/l	100
4) Vinyl Chloride	2.17	62	127916	47.838	ug/l	98
5) Bromomethane	2.55	94	60479	52.394	ug/l	98
6) Chloroethane	2.69	64	79180	51.405	ug/l	98
7) Trichlorofluoromethane	3.00	101	164591	49.968	ug/l	99
8) Diethyl Ether	3.38	74	69239	52.326	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94435	49.477	ug/l	99
10) Methyl Iodide	3.93	142	89960	52.969	ug/l	100
11) Tert butyl alcohol	4.72	59	98808	258.706	ug/l	100
12) 1,1-Dichloroethene	3.72	96	105310	51.416	ug/l	100
13) Acrolein	3.57	56	120436	284.521	ug/l	99
14) Allyl chloride	4.29	41	173833	48.256	ug/l	98
15) Acrylonitrile	4.94	53	302577	269.411	ug/l	99
16) Acetone	3.78	43	244274	265.544	ug/l	99
17) Carbon Disulfide	4.03	76	301536	48.407	ug/l	100
18) Methyl Acetate	4.28	43	120869	46.681	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	358978	50.977	ug/l	97
20) Methylene Chloride	4.52	84	114931	50.789	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	110236	50.499	ug/l	95
22) Diisopropyl ether	5.91	45	408250	53.642	ug/l	95
23) Vinyl Acetate	5.86	43	1426974	229.800	ug/l	99
24) 1,1-Dichloroethane	5.82	63	229836	55.396	ug/l	99
25) 2-Butanone	6.80	43	395848	265.927	ug/l	99
26) 2,2-Dichloropropane	6.80	77	121074	37.090	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	135628	54.675	ug/l	98
28) Bromochloromethane	7.17	49	102876	51.826	ug/l	100
29) Tetrahydrofuran	7.18	42	271826	258.092	ug/l	99
30) Chloroform	7.35	83	208048	52.307	ug/l	100
31) Cyclohexane	7.63	56	202215	48.345	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	180969	52.779	ug/l	100
36) 1,1-Dichloropropene	7.77	75	157841	49.312	ug/l	99
37) Ethyl Acetate	6.89	43	147452	42.633	ug/l	99
38) Carbon Tetrachloride	7.75	117	144342	50.314	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	181253	47.650	ug/l	98
40) Benzene	8.02	78	478795	49.551	ug/l	100
41) Methacrylonitrile	7.15	41	79169m	53.636	ug/l	
42) 1,2-Dichloroethane	8.10	62	163420	49.488	ug/l	100
43) Isopropyl Acetate	8.14	43	264343	46.344	ug/l	99
44) Trichloroethene	8.82	130	166513	68.359	ug/l	96
45) 1,2-Dichloropropane	9.10	63	129893	50.945	ug/l	100
46) Dibromomethane	9.19	93	77645	50.372	ug/l	99
47) Bromodichloromethane	9.39	83	160511	50.111	ug/l	100
48) Methyl methacrylate	9.18	41	127728	50.296	ug/l	98
49) 1,4-Dioxane	9.18	88	29978	993.125	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	840356	258.907	ug/l	100
52) Toluene	10.14	92	291346	49.926	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	177845	48.336	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	189364	46.914	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	111211	49.537	ug/l	98
56) Ethyl methacrylate	10.42	69	178619	51.026	ug/l	99
57) 1,3-Dichloropropane	10.70	76	196839	50.526	ug/l	99
59) 2-Hexanone	10.74	43	611655	261.603	ug/l	100
60) Dibromochloromethane	10.89	129	119016	51.322	ug/l	99
61) 1,2-Dibromoethane	10.99	107	114591	50.760	ug/l	99
64) Tetrachloroethene	10.62	164	111879	46.976	ug/l	99
65) Chlorobenzene	11.43	112	293954	48.994	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	109650	50.476	ug/l	98
67) Ethyl Benzene	11.50	91	553444	49.602	ug/l	99
68) m/p-Xylenes	11.62	106	403468	97.310	ug/l	99
69) o-Xylene	11.94	106	197602	49.924	ug/l	99
70) Styrene	11.96	104	323059	49.906	ug/l	99
71) Bromoform	12.12	173	85138	47.251	ug/l #	100
73) Isopropylbenzene	12.24	105	521388	48.423	ug/l	100
74) N-amyl acetate	12.06	43	214183	43.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162390	49.872	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146915m	47.454	ug/l	
77) Bromobenzene	12.52	156	125107	48.219	ug/l	99
78) n-propylbenzene	12.59	91	613708	48.243	ug/l	99
79) 2-Chlorotoluene	12.67	91	362567	47.701	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	441242	48.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52424	43.489	ug/l	100
82) 4-Chlorotoluene	12.77	91	371037	47.929	ug/l	100
83) tert-Butylbenzene	12.99	119	371483	49.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	440322	48.709	ug/l	100
85) sec-Butylbenzene	13.17	105	495599	48.656	ug/l	100
86) p-Isopropyltoluene	13.28	119	441076	48.156	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	223304	48.798	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	222730	48.445	ug/l	100
89) n-Butylbenzene	13.61	91	392995	47.523	ug/l	100
90) Hexachloroethane	13.87	117	67798	50.923	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	218177	49.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34301	50.295	ug/l	95
93) 1,2,4-Trichlorobenzene	14.90	180	134190	49.940	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	62600	47.523	ug/l	99
95) Naphthalene	15.13	128	403523	49.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129298	48.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion:168 Resp: 189177

Ion Ratio Lower Upper

168 100

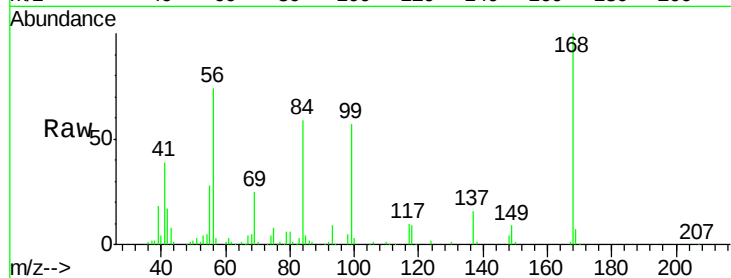
99 56.6 44.0 66.0

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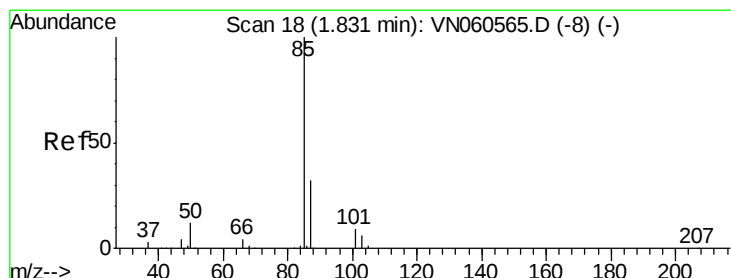
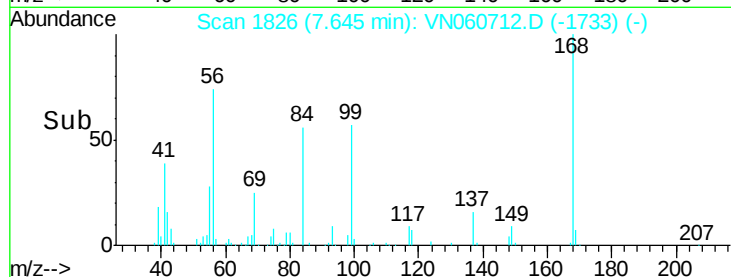
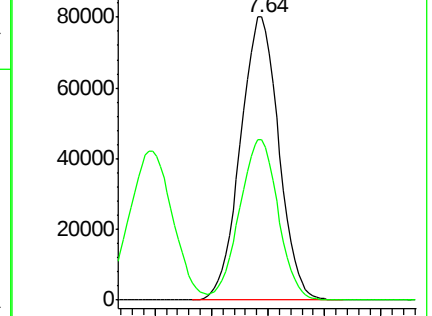
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.657 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060712.D

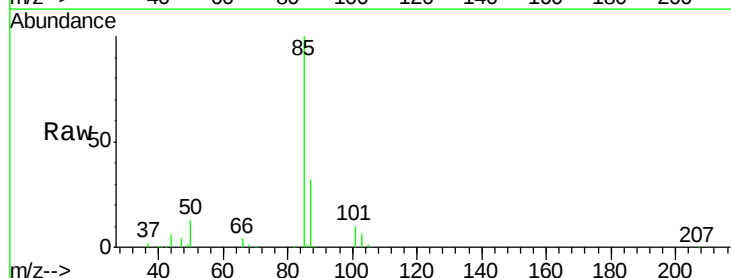
Acq: 26 Mar 2020 14:18

Tgt Ion: 85 Resp: 90896

Ion Ratio Lower Upper

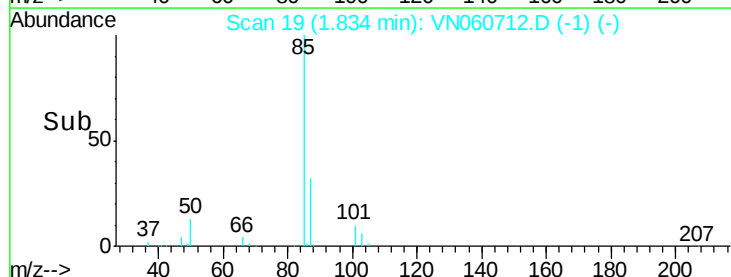
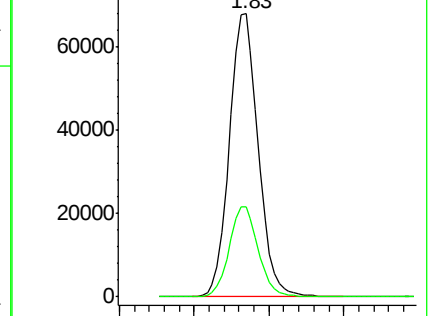
85 100

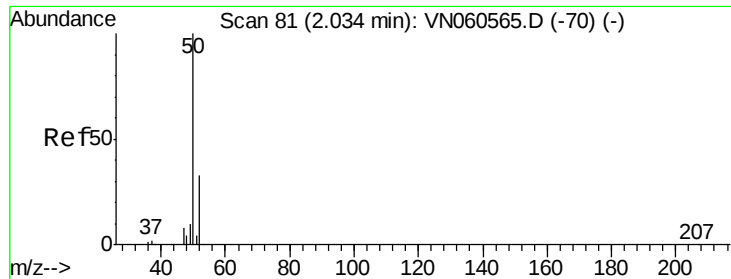
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.652 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

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ClientSampleId :

MW203D-20200315MSD

Tot Ion: 50 Resp: 159490

Ion Ratio Lower Upper

50 100

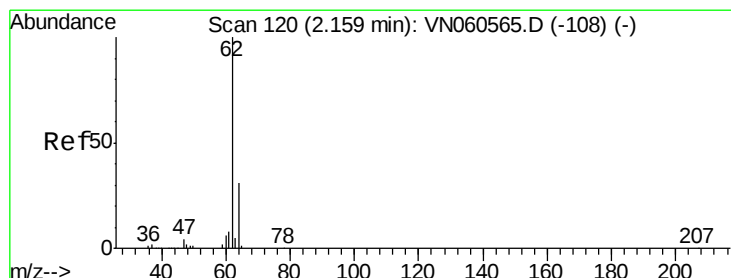
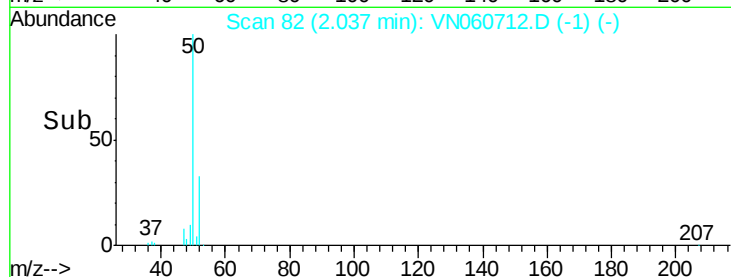
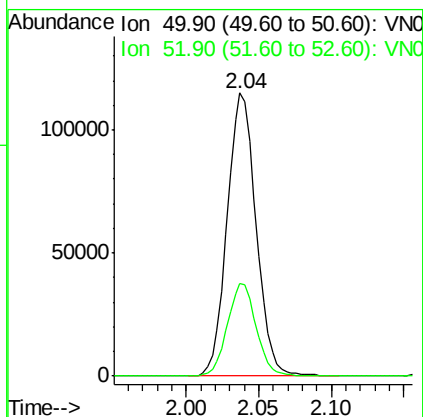
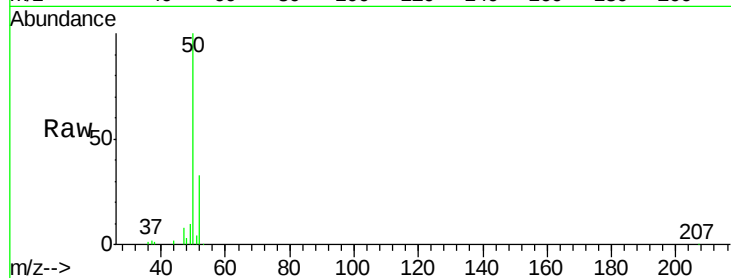
52 32.7 26.2 39.2

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#4

Vinyl Chloride

Concen: 47.838 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060712.D

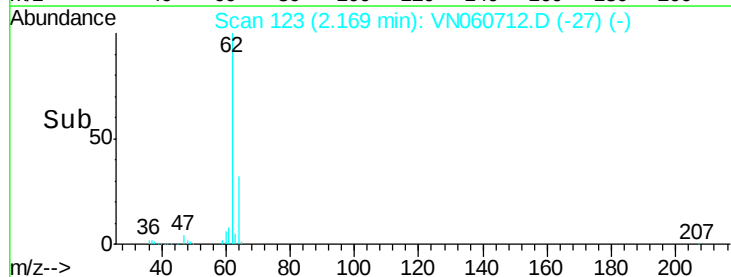
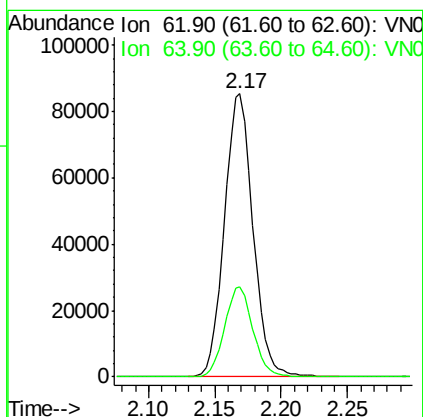
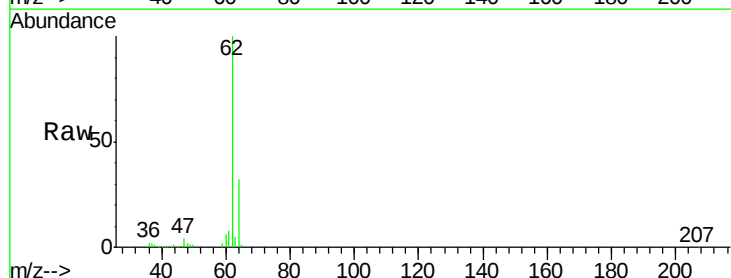
Acq: 26 Mar 2020 14:18

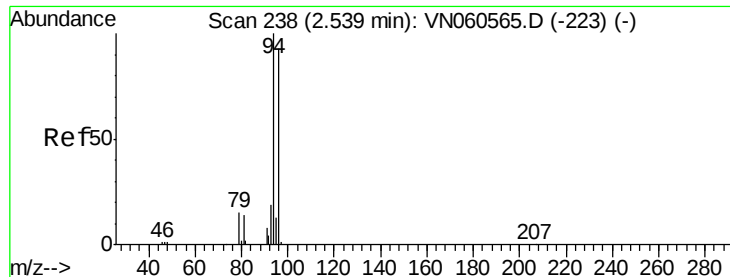
Tgt Ion: 62 Resp: 127916

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 52.394 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

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Tot Ion: 94 Resp: 60479

Ion Ratio Lower Upper

94 100

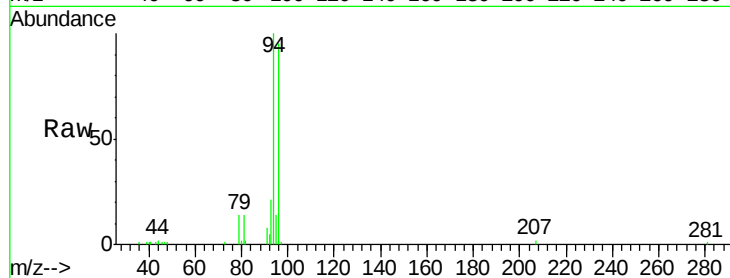
96 95.1 74.6 112.0

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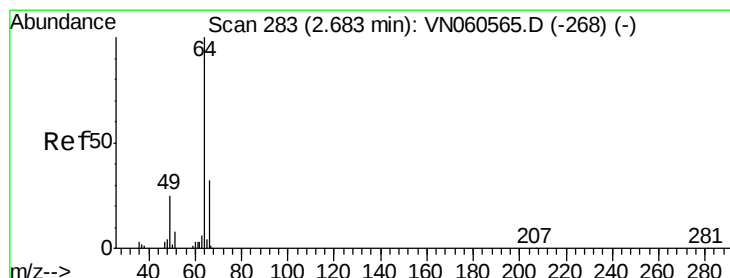
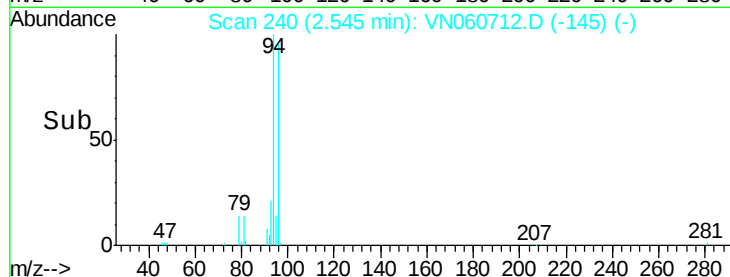
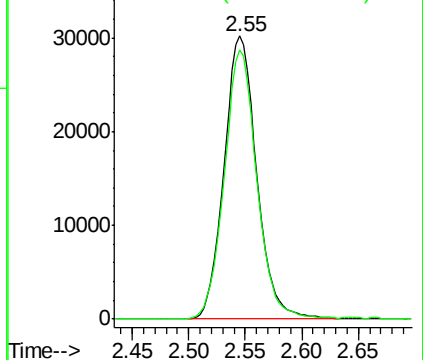
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.405 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060712.D

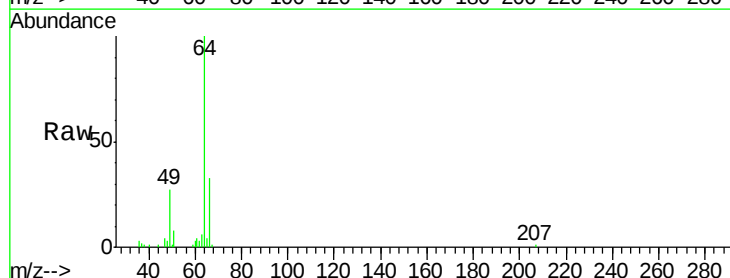
Acq: 26 Mar 2020 14:18

Tgt Ion: 64 Resp: 79180

Ion Ratio Lower Upper

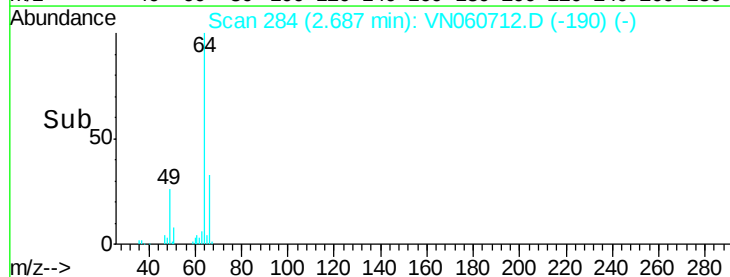
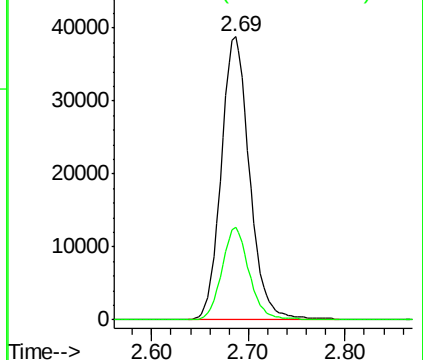
64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

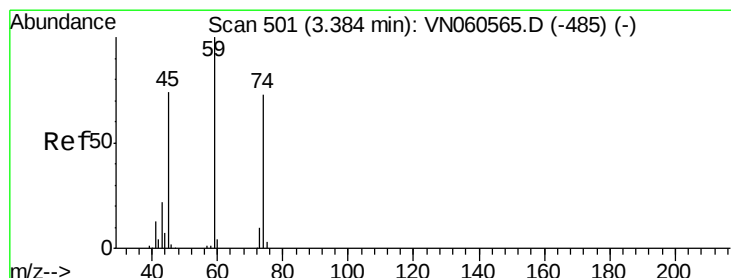
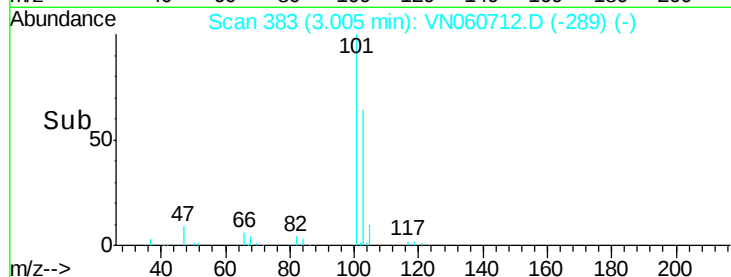
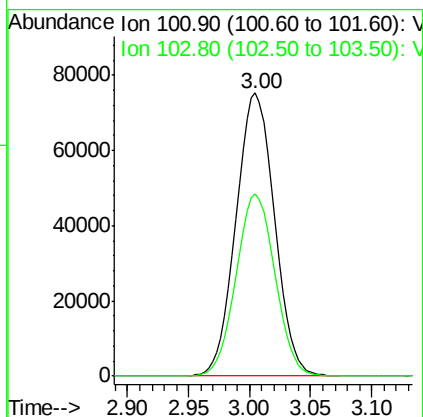
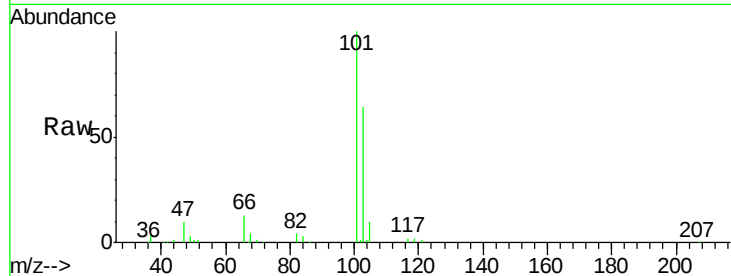
Trichlorofluoromethane
Concen: 49.968 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060712.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		164591		
103	64.2	50.6	76.0		

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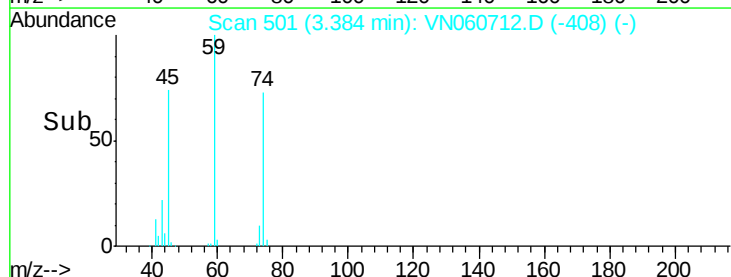
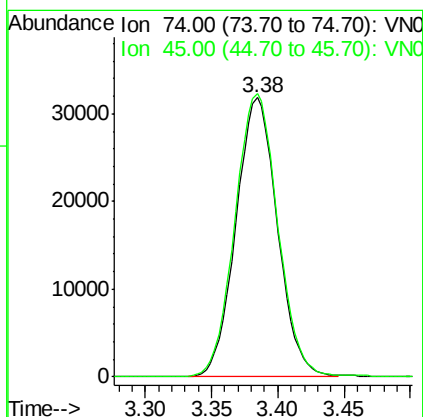
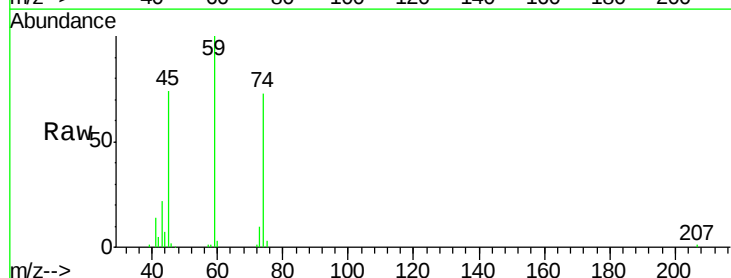
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#8

Diethyl Ether
Concen: 52.326 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060712.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		69239		
45	105.1	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.477 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

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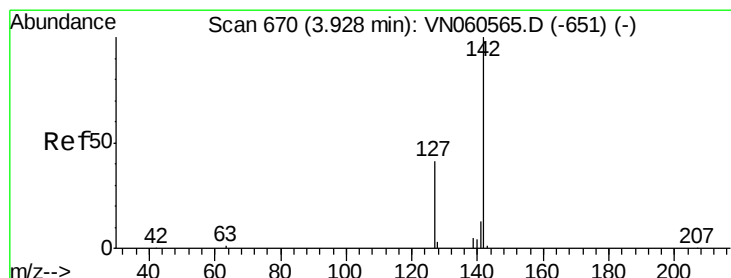
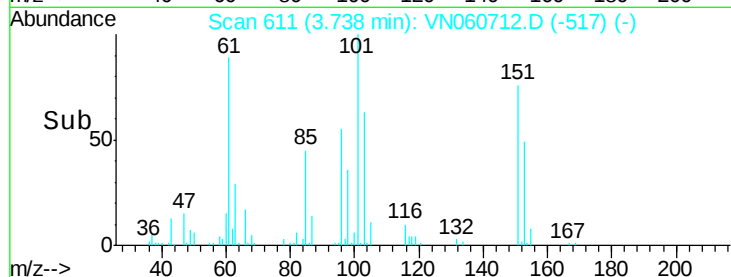
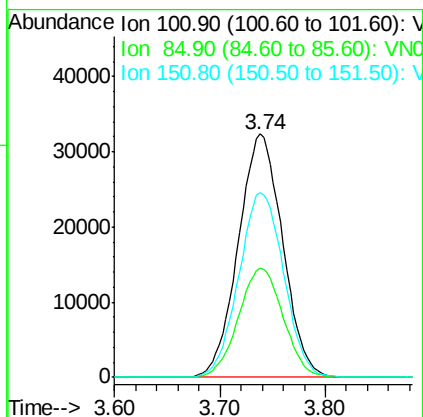
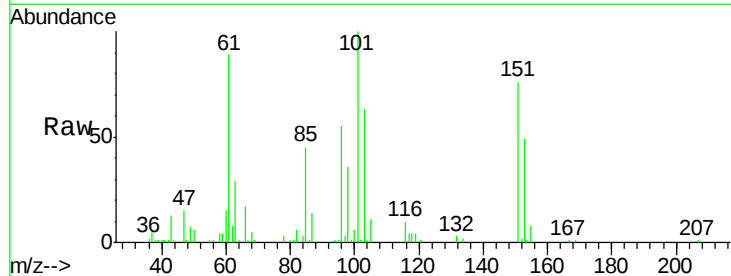
ClientSampleId :

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Tot Ion:	101	Resp:	94435
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.6	53.4
151	77.1	61.4	92.2

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#10

Methyl Iodide

Concen: 52.969 ug/l

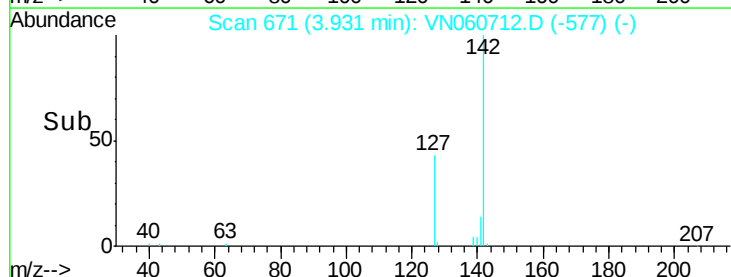
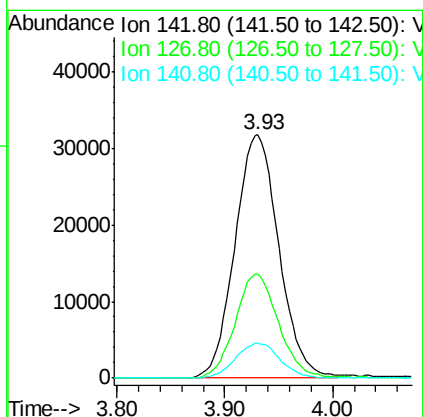
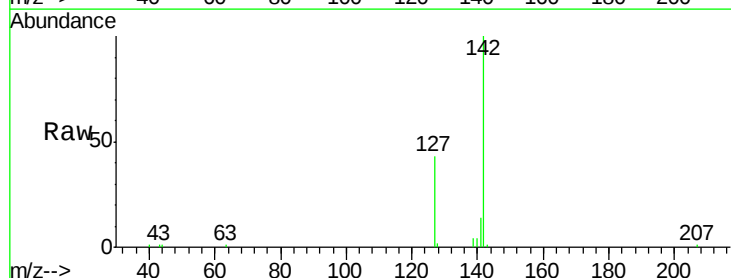
RT: 3.93 min Scan# 671

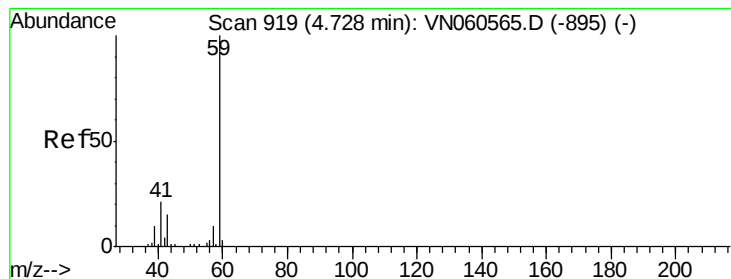
Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	142	Resp:	89960
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.5	50.3
141	14.4	11.0	16.6





#11

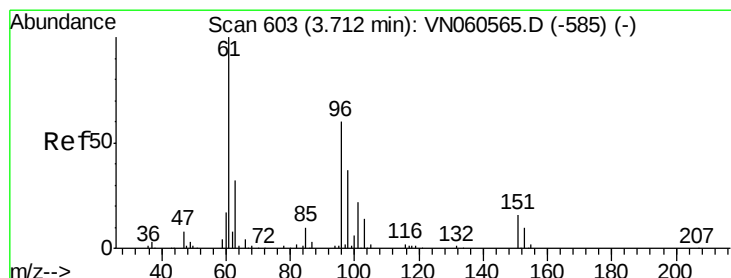
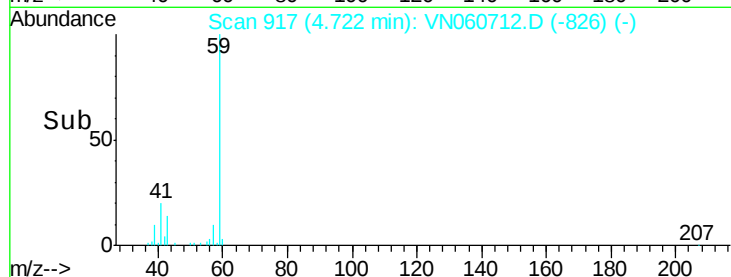
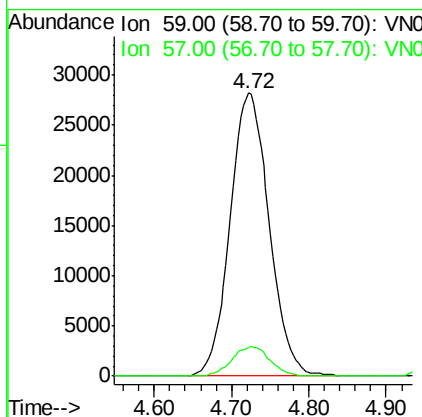
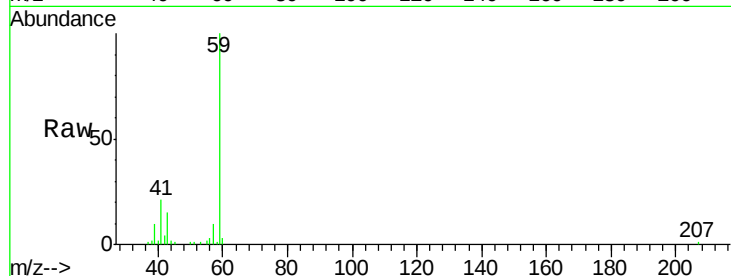
Tert butyl alcohol
 Concen: 258.706 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	59	Resp	98808
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.4

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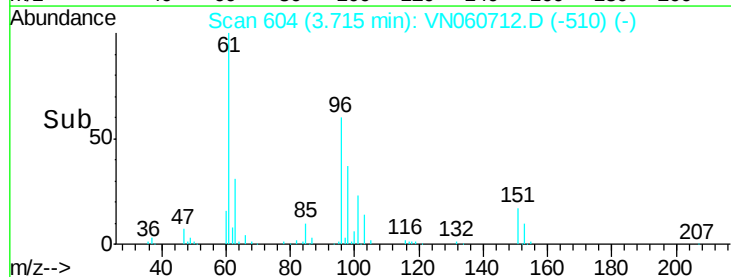
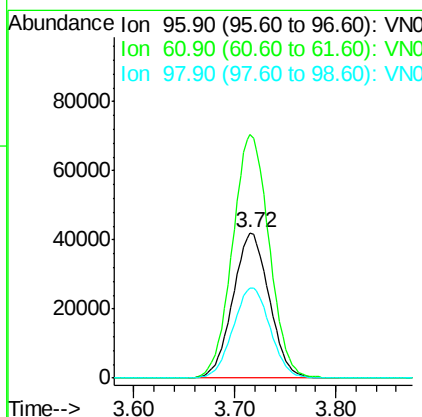
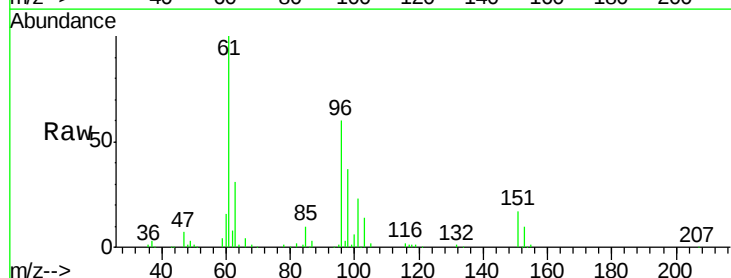
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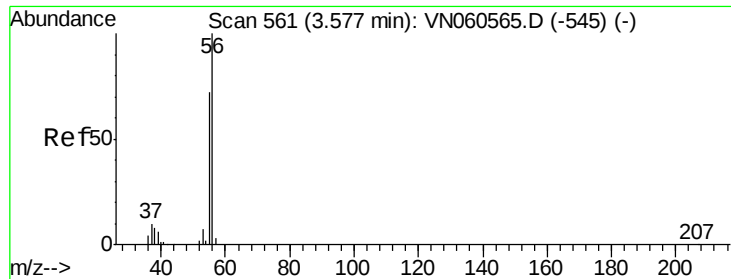


#12

1,1-Dichloroethene
 Concen: 51.416 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion	96	Resp	105310
Ion Ratio	100	Lower	Upper
61	167.2	134.1	201.1
98	62.1	49.9	74.9





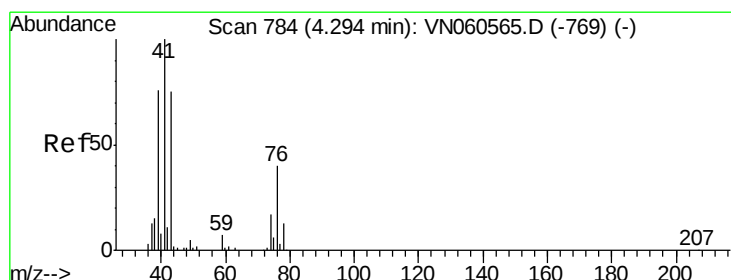
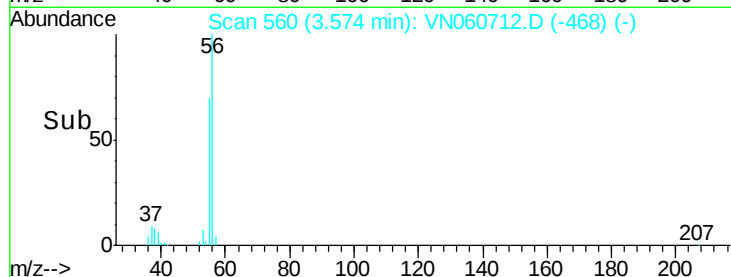
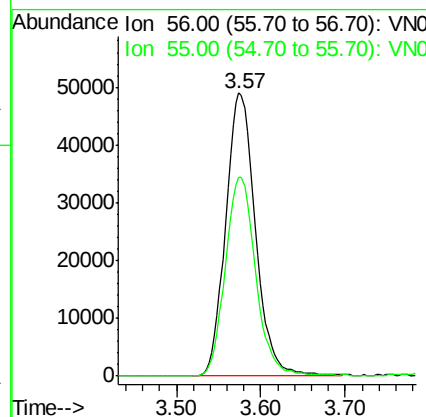
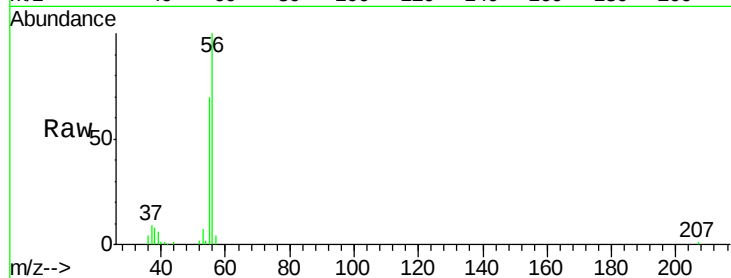
#13
Acrolein
Concen: 284.521 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	56	Resp	120436
Ion Ratio	Lower	Upper	
56	100		
55	71.6	56.7	85.1

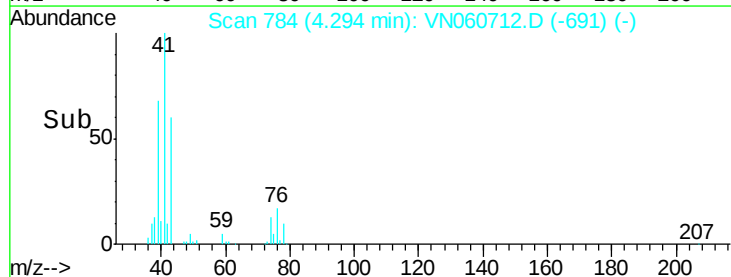
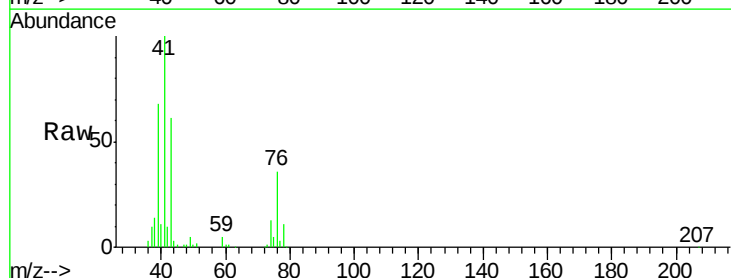
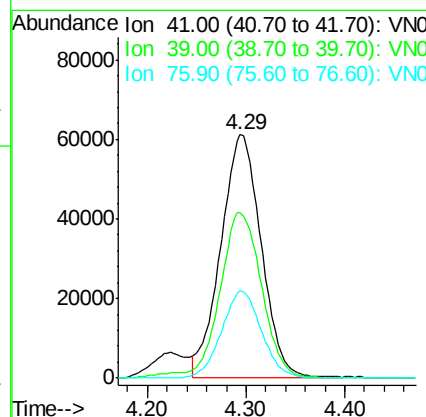
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#14
Allyl chloride
Concen: 48.256 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	41	Resp	173833
Ion Ratio	Lower	Upper	
41	100		
39	70.1	57.8	86.8
76	35.5	28.6	43.0





#15

Acrylonitrile

Concen: 269.411 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

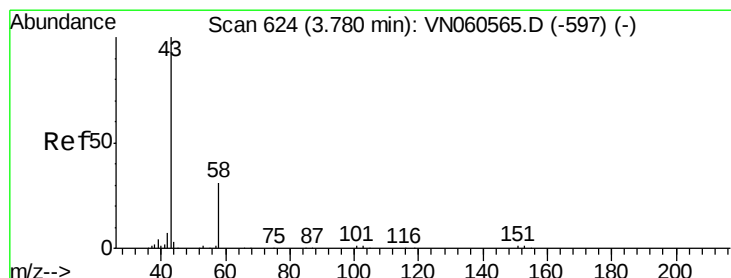
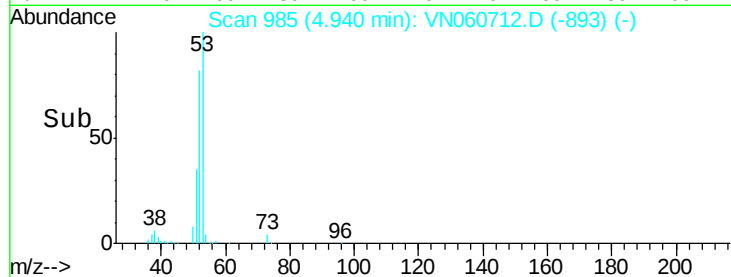
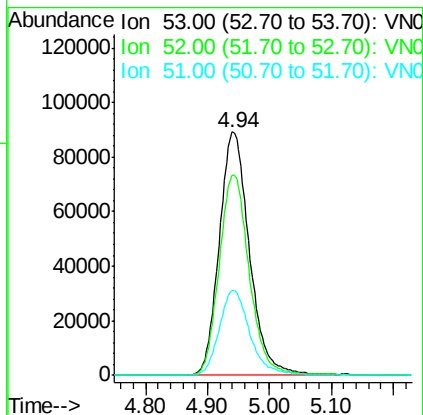
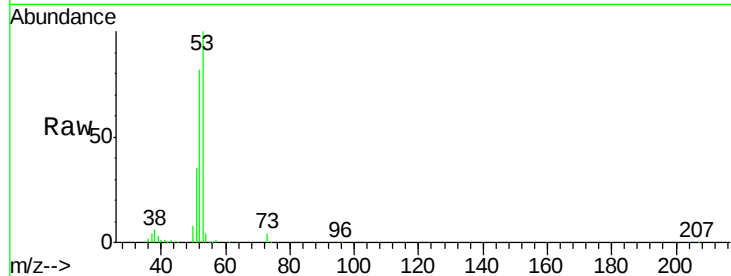
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	53	Resp:	302577
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.4
51	35.6	28.7	43.1

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#16

Acetone

Concen: 265.544 ug/l

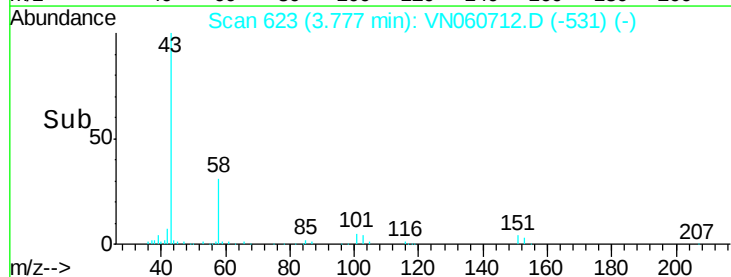
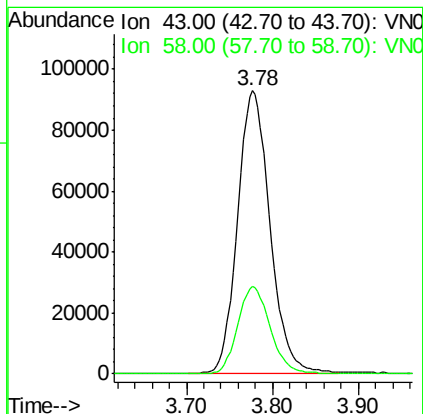
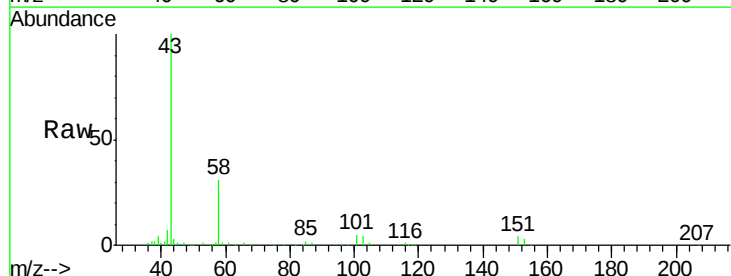
RT: 3.78 min Scan# 623

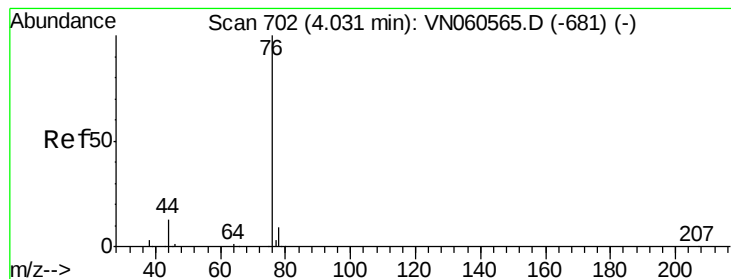
Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	43	Resp:	244274
Ion Ratio	Lower	Upper	
43	100		
58	30.9	25.1	37.7





#17

Carbon Disulfide

Concen: 48.407 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 76 Resp: 301536

Ion Ratio Lower Upper

76 100

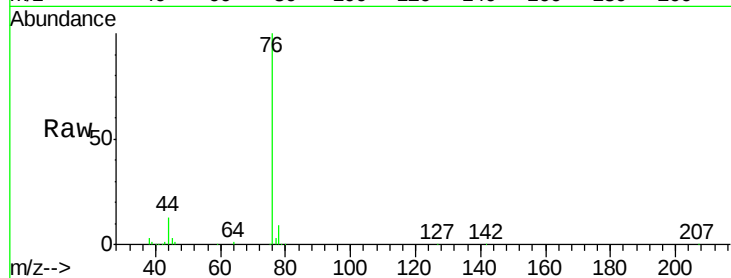
78 9.1 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VN060712.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060712.D (-609) (-)

4.03

120000

100000

80000

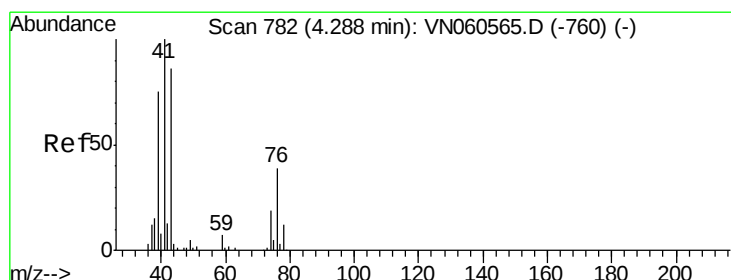
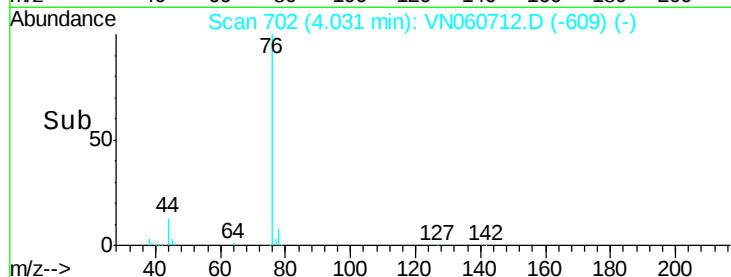
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 46.681 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060712.D

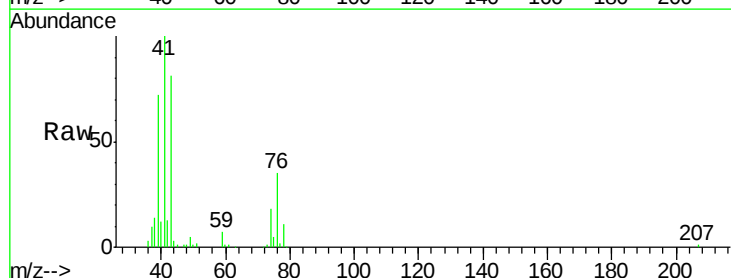
Acq: 26 Mar 2020 14:18

Tgt Ion: 43 Resp: 120869

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060712.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060712.D (-689) (-)

4.28

50000

40000

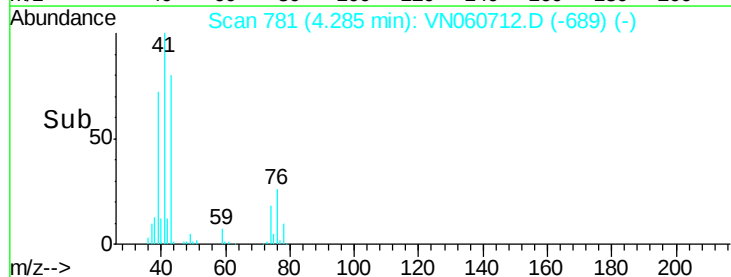
30000

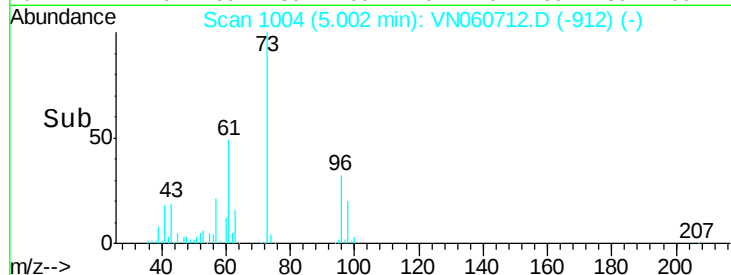
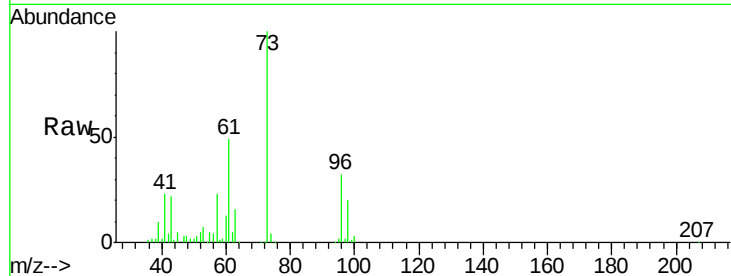
20000

10000

0

Time-->





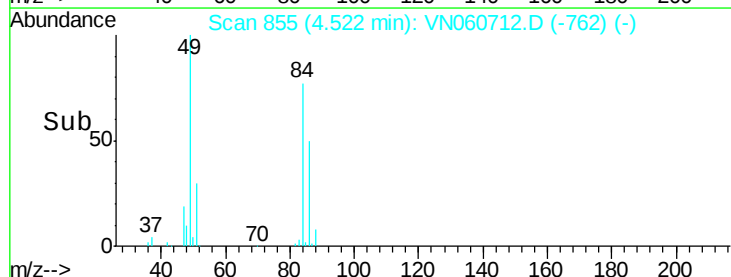
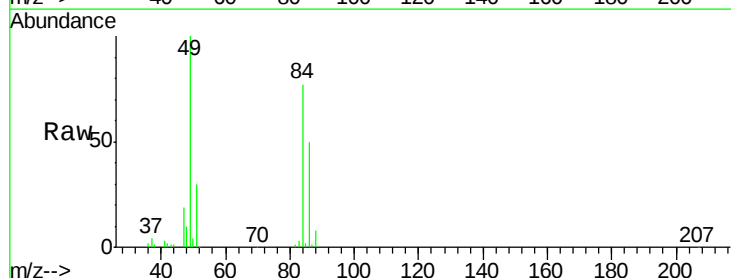
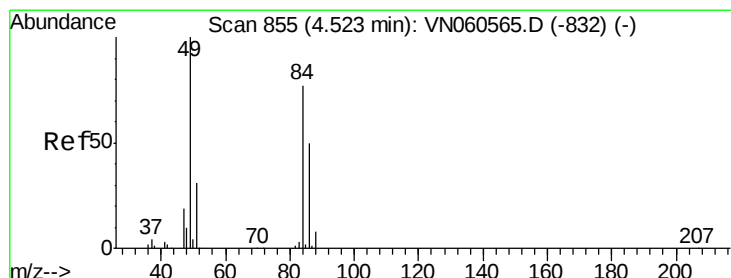
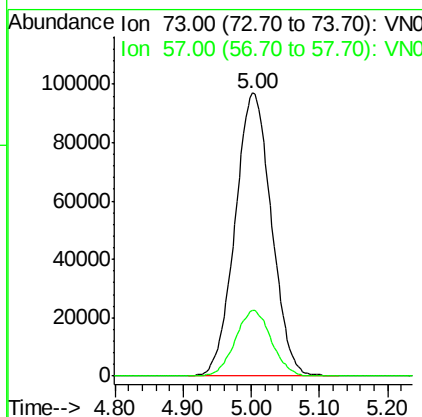
#19
Methvl tert-butvl Ether
Concen: 50.977 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tot Ion: 73 Resp: 358978
Ion Ratio Lower Upper
73 100
57 23.4 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

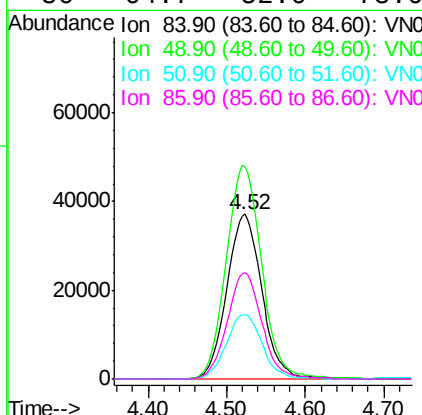
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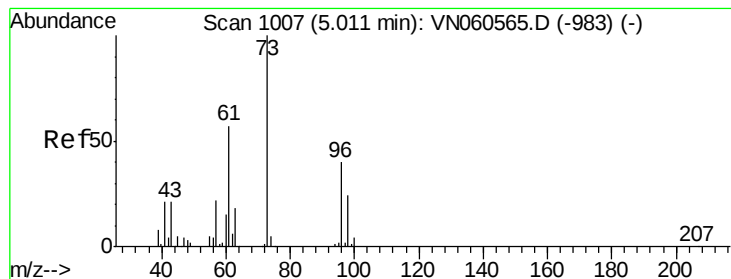
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#20
Methylene Chloride
Concen: 50.789 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion: 84 Resp: 114931
Ion Ratio Lower Upper
84 100
49 129.5 103.3 154.9
51 39.0 31.6 47.4
86 64.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.499 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 96 Resp: 110236

Ion Ratio Lower Upper

96 100

61 149.7 114.4 171.6

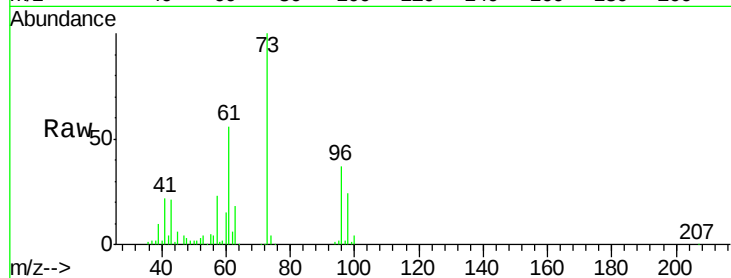
98 63.4 48.4 72.6

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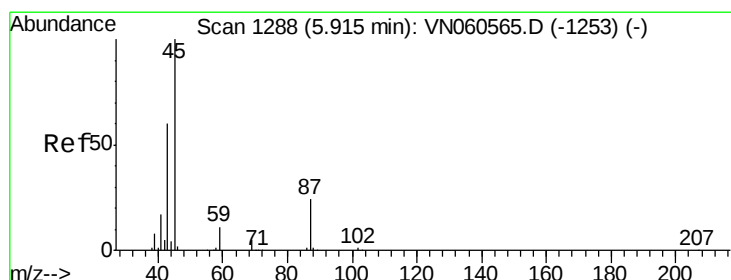
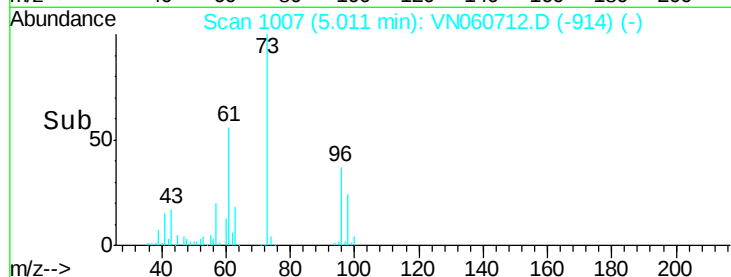
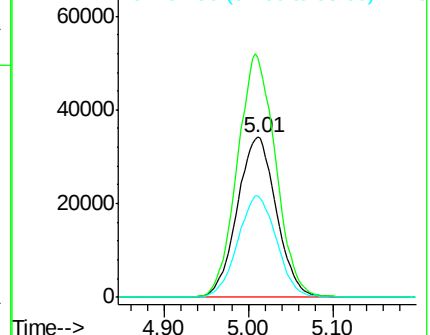


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.642 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion: 45 Resp: 408250

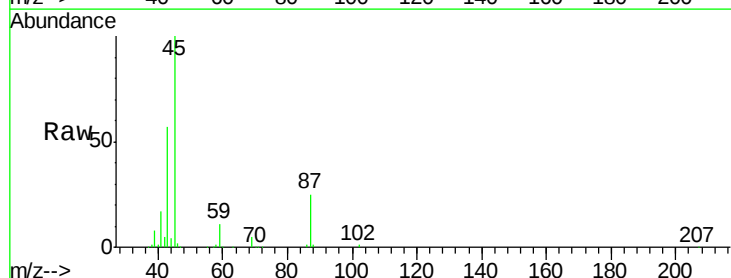
Ion Ratio Lower Upper

45 100

43 56.6 49.8 74.8

87 24.9 20.1 30.1

59 11.3 9.2 13.8



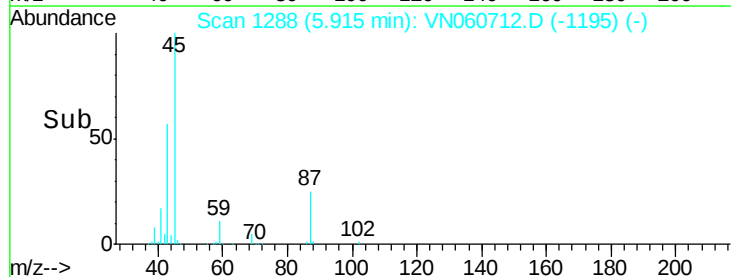
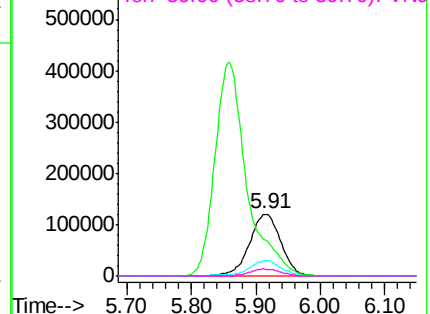
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 229.800 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 43 Resp: 1426974

Ion Ratio Lower Upper

43 100

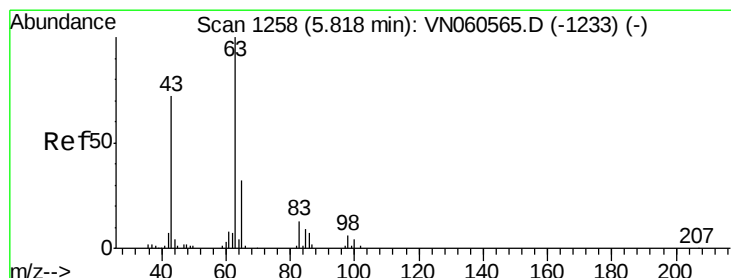
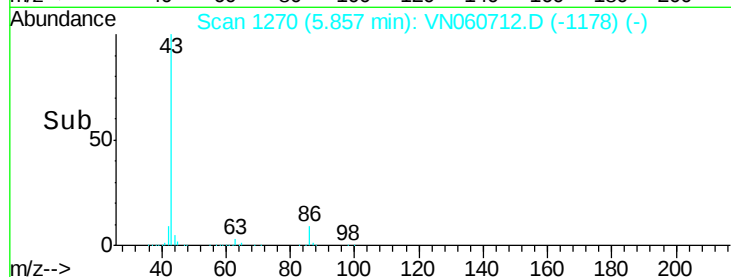
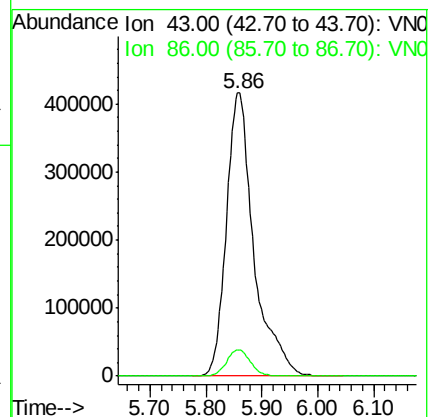
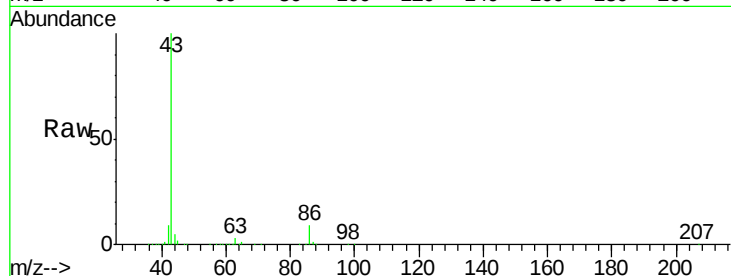
86 9.2 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 55.396 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

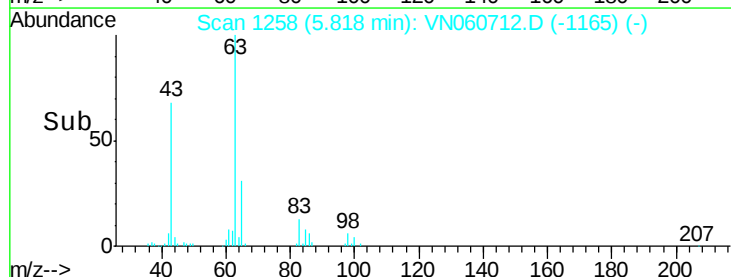
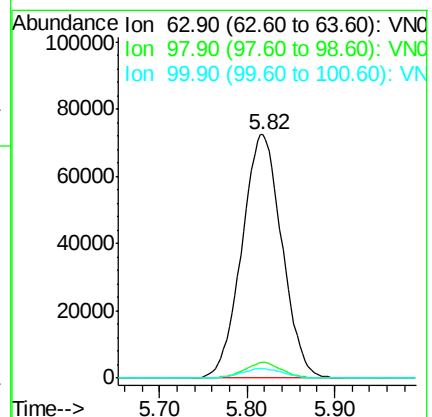
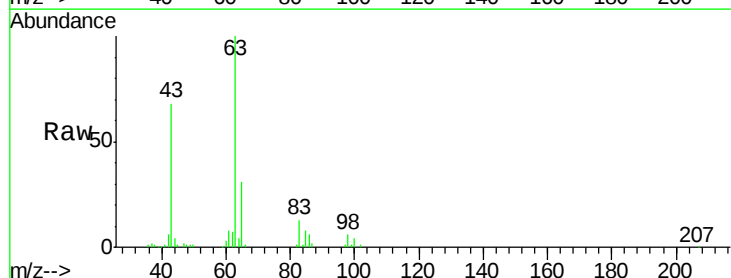
Tgt Ion: 63 Resp: 229836

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 265.927 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 43 Resp: 395848

Ion Ratio Lower Upper

43 100

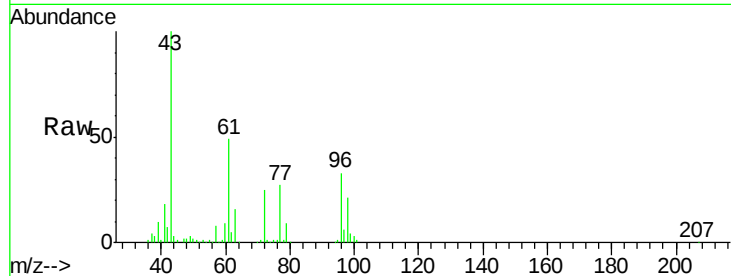
72 25.0 20.4 30.6

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Abundance Ion 43.00 (42.70 to 43.70): VN060712.D (-1469) (-)

Ion 72.00 (71.70 to 72.70): VN060712.D (-1469) (-)

150000

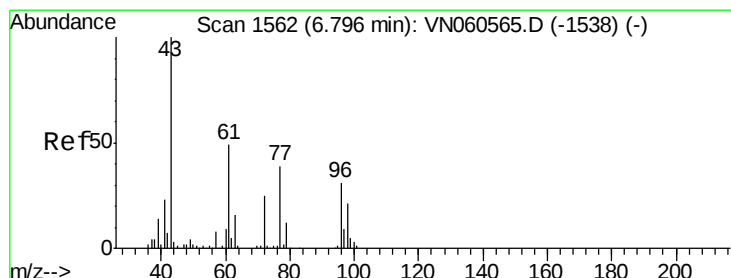
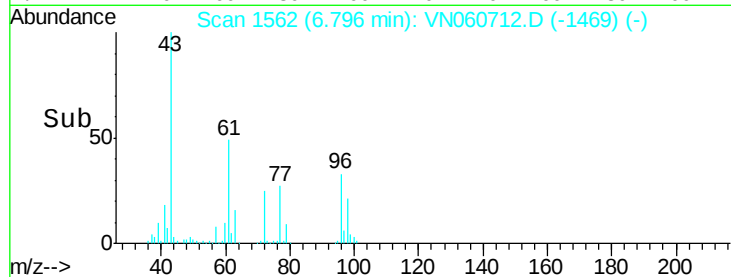
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 37.090 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060712.D

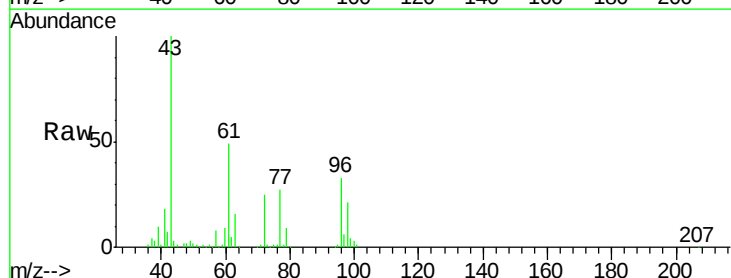
Acq: 26 Mar 2020 14:18

Tgt Ion: 77 Resp: 121074

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN060712.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060712.D (-1469) (-)

40000

30000

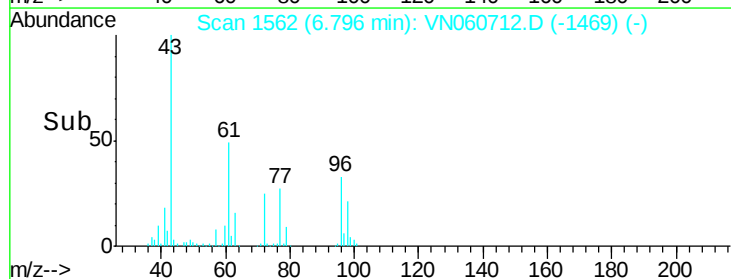
20000

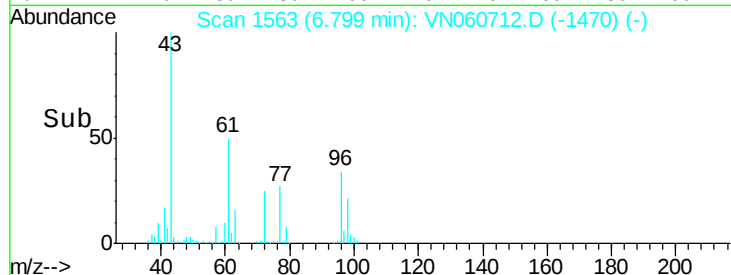
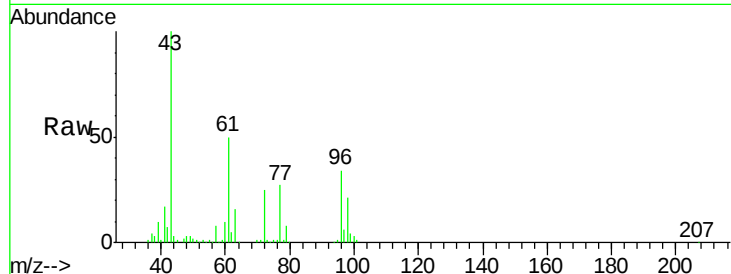
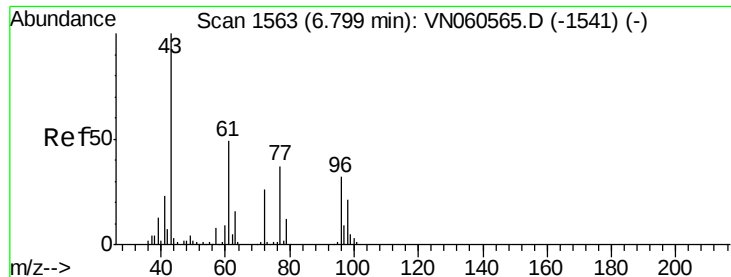
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.675 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tot Ion:	96	Resp:	135628
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	305.6
98	63.7	0.0	127.6

Instrument :

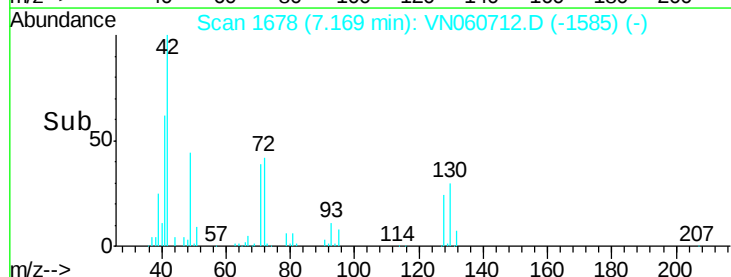
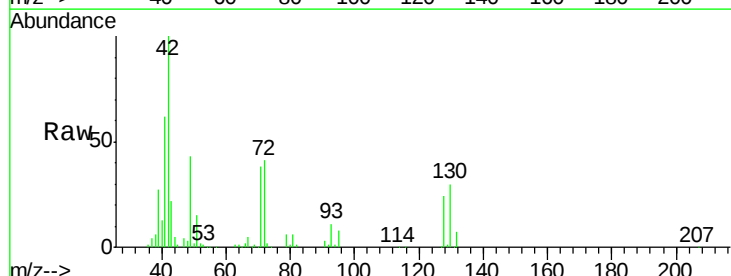
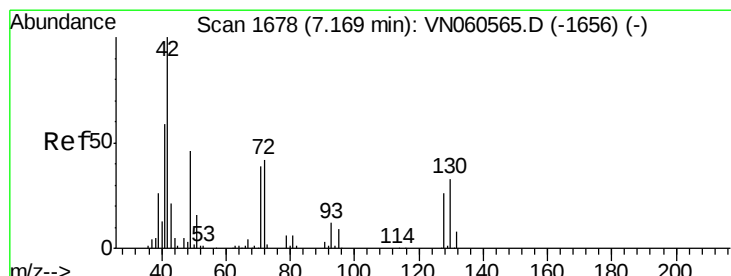
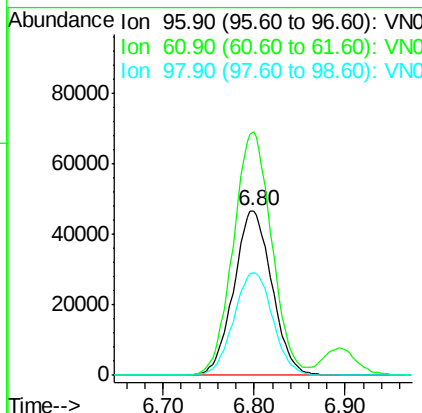
MSVOA_N

ClientSampleId :

MW203D-20200315MSD

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#28

Bromochloromethane

Concen: 51.826 ug/l

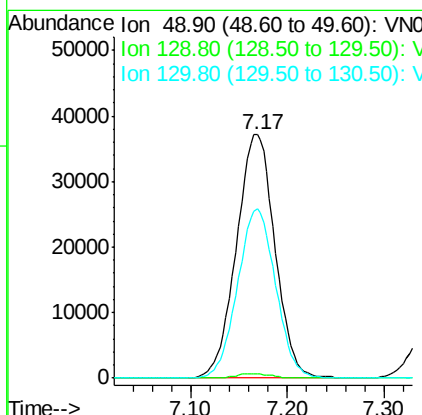
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	49	Resp:	102876
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.5	55.0	82.4





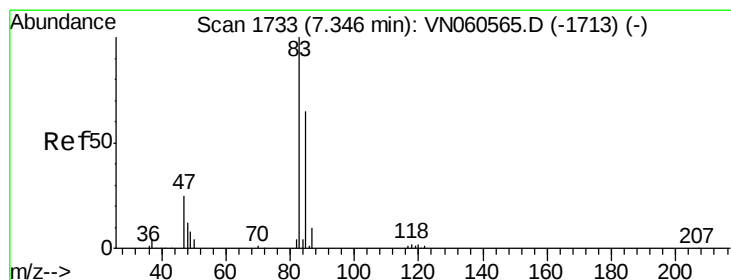
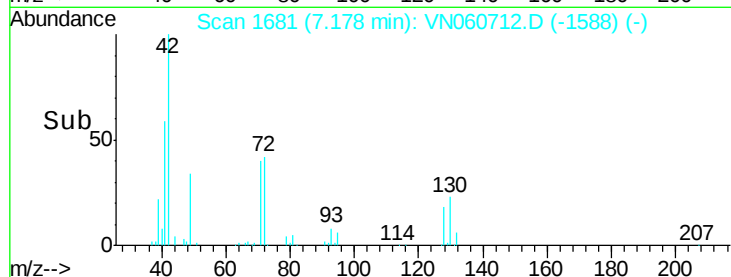
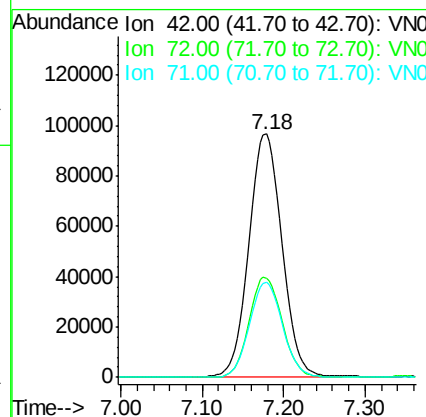
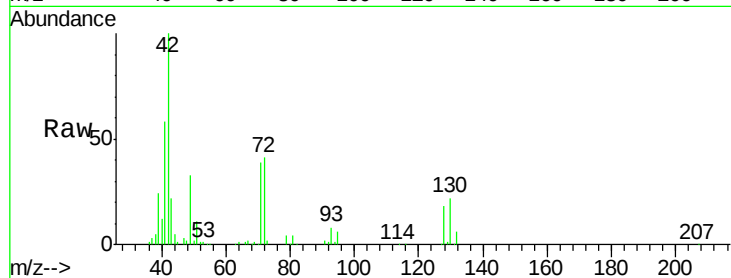
#29
Tetrahydrofuran
Concen: 258.092 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.2	49.8
71	38.8	31.1	46.7

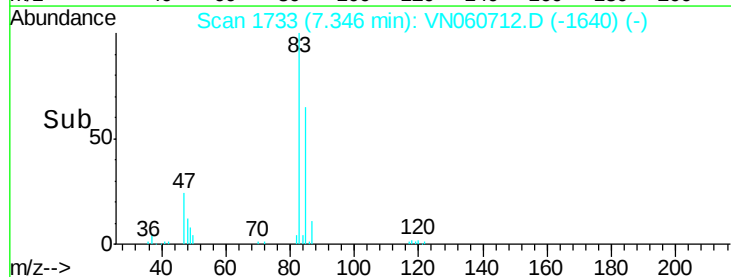
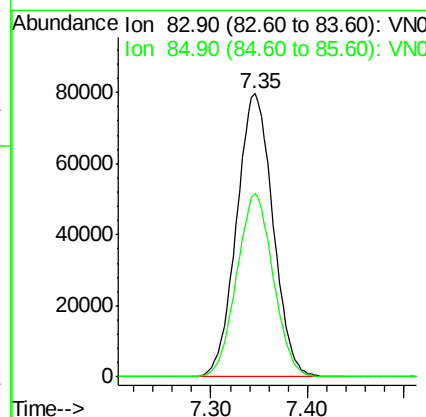
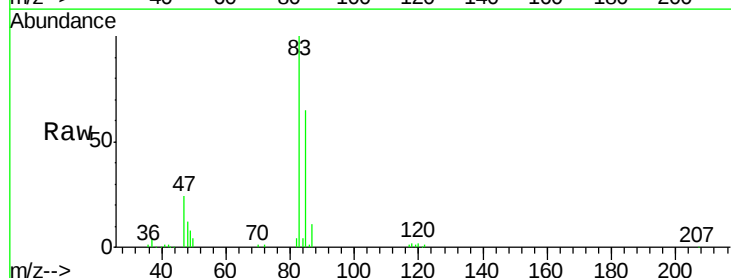
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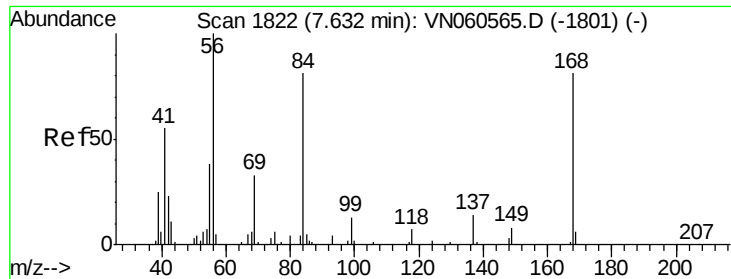
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#30
Chloroform
Concen: 52.307 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





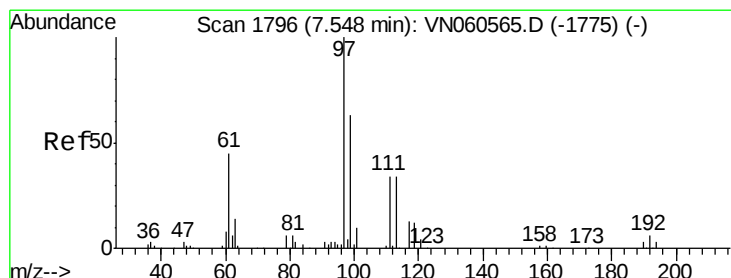
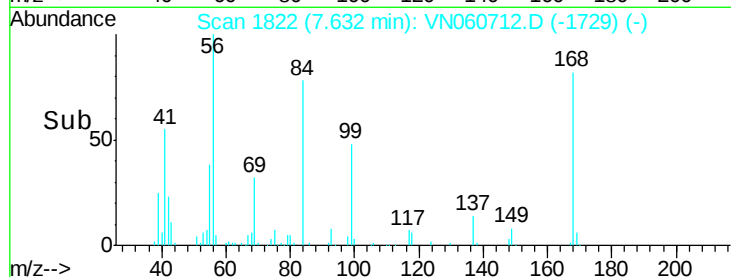
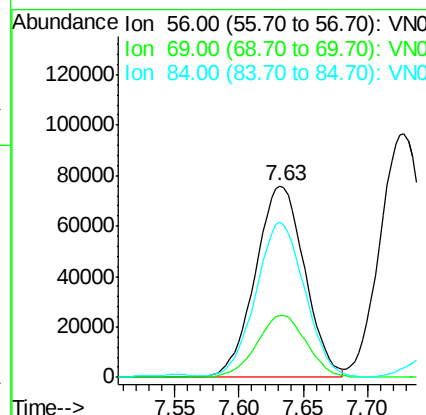
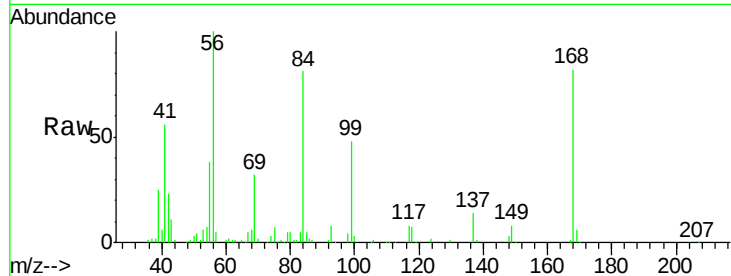
#31
Cyclohexane
Concen: 48.345 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Resp	Lower	Upper
56	100	202215		
69	32.4		26.6	40.0
84	80.2		64.3	96.5

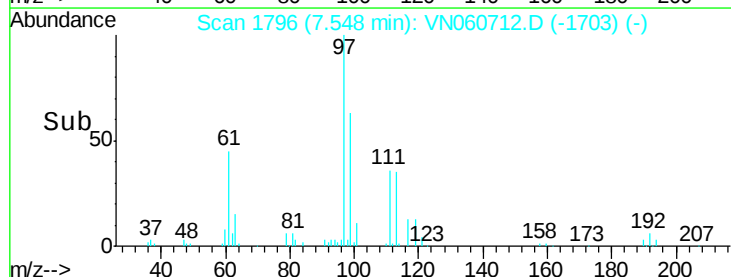
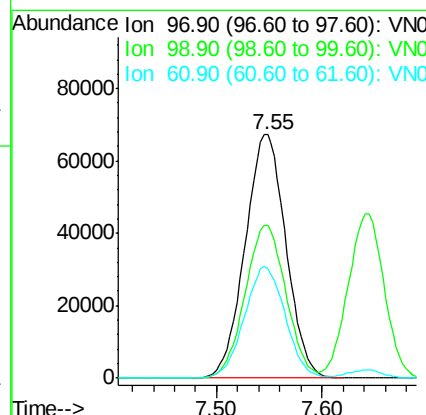
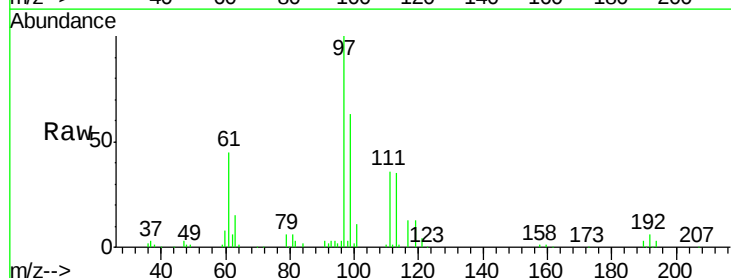
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#32
1,1,1-Trichloroethane
Concen: 52.779 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	180969		
99	62.9		50.6	75.8
61	45.7		36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 50.451 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 65 Resp: 131019

Ion Ratio Lower Upper

65 100

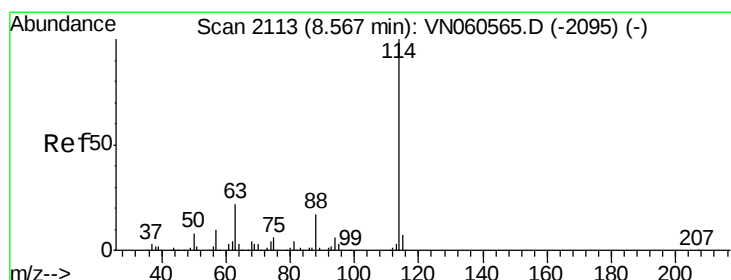
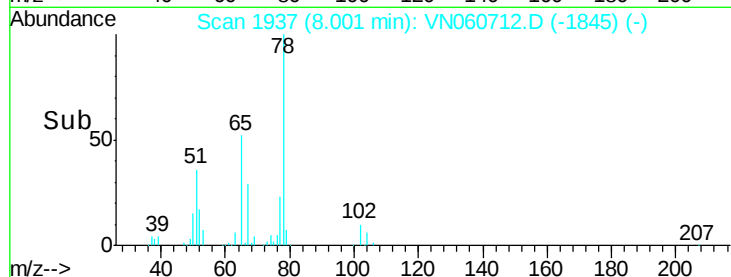
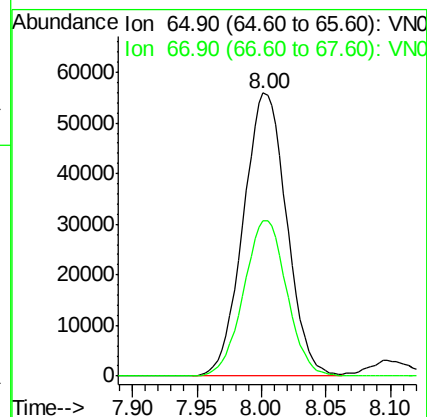
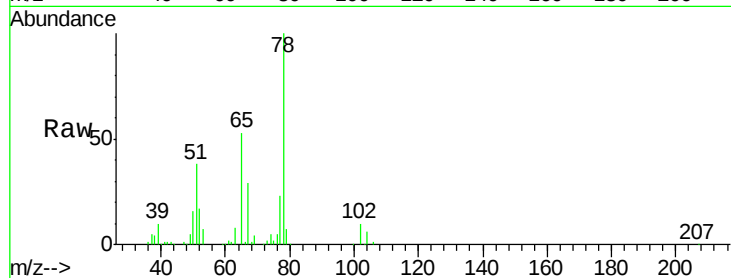
67 54.6 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

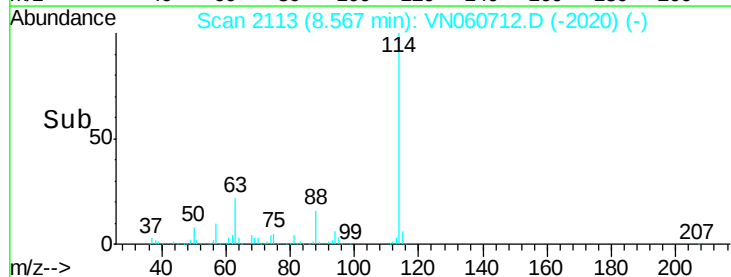
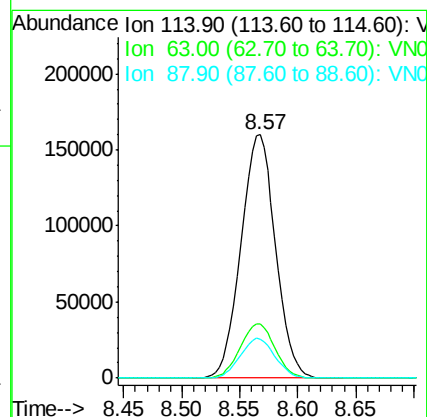
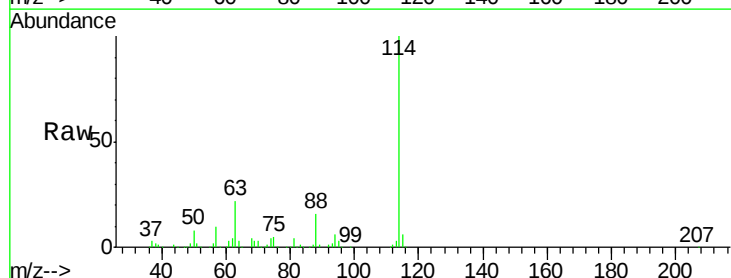
Tgt Ion: 114 Resp: 330563

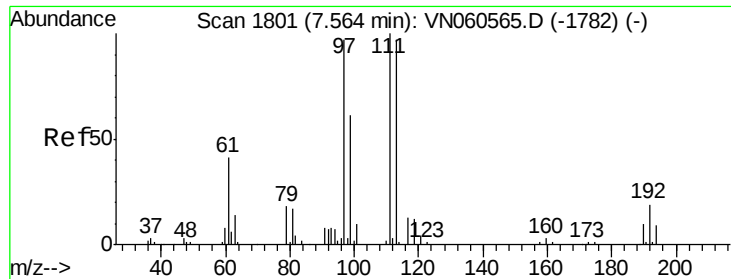
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.2 0.0 33.0





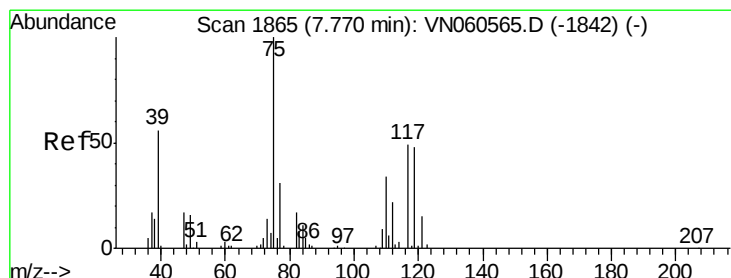
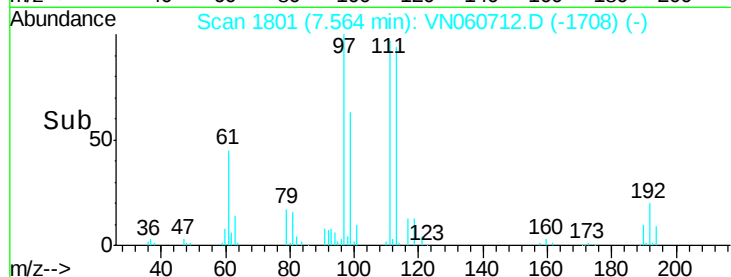
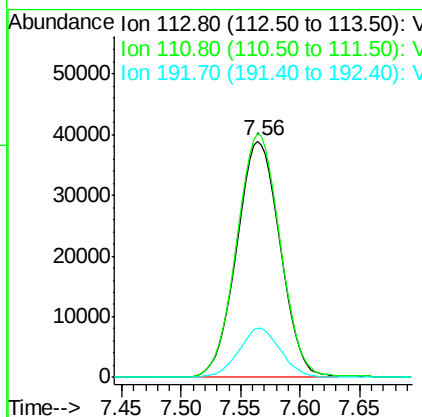
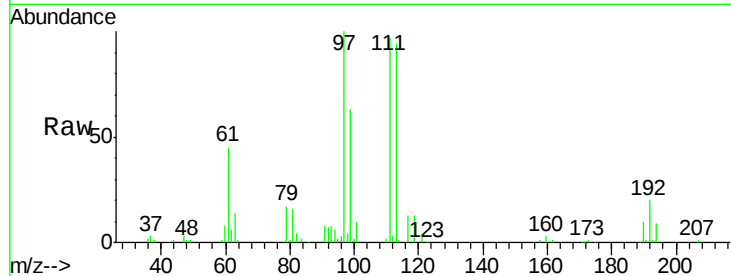
#35
 Dibromofluoromethane
 Concen: 49.274 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.9	124.3	
192	20.0	15.8	23.8	

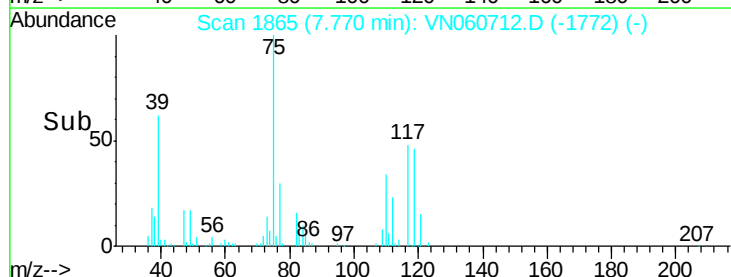
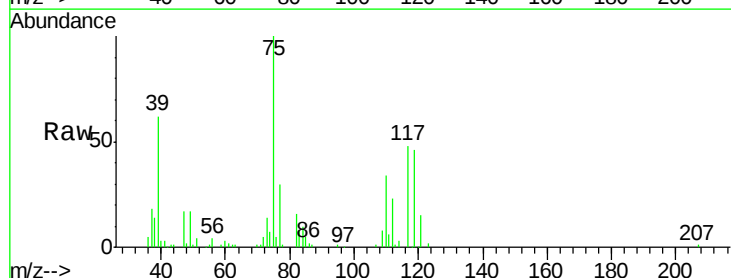
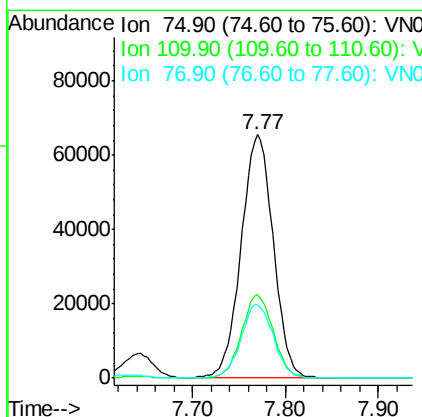
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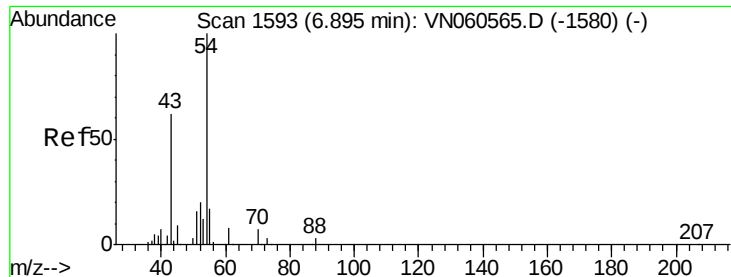
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#36
 1,1-Dichloropropene
 Concen: 49.312 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.5	16.9	50.6	
77	30.4	24.6	36.8	





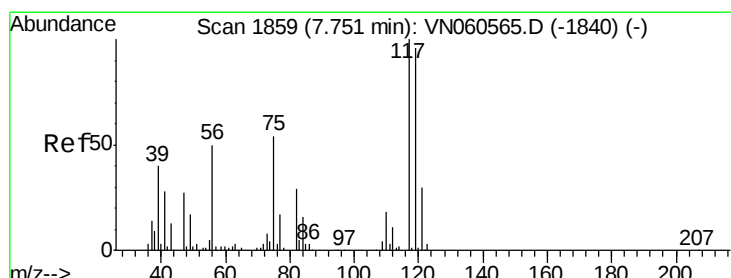
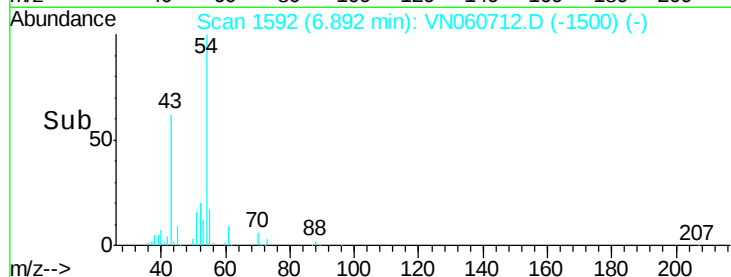
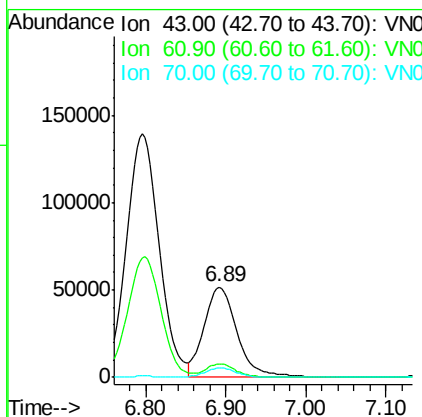
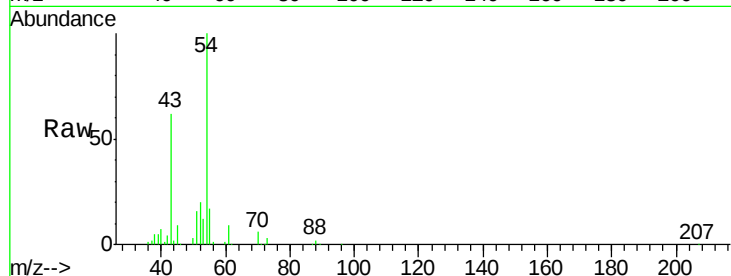
#37
Ethyl Acetate
Concen: 42.633 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	10.1	7.9	11.9

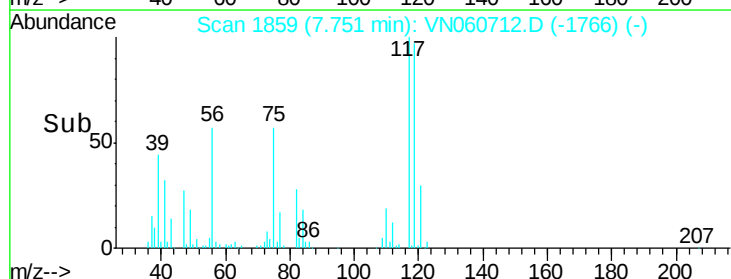
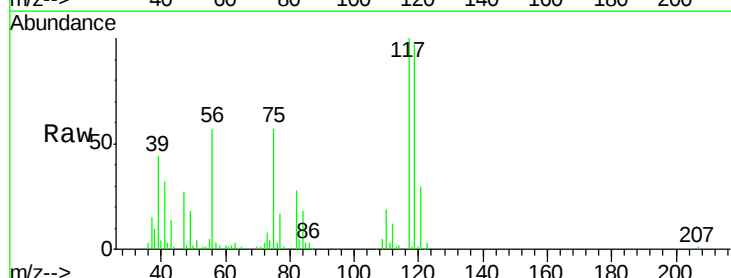
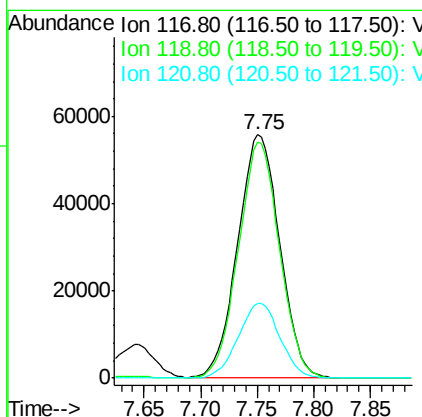
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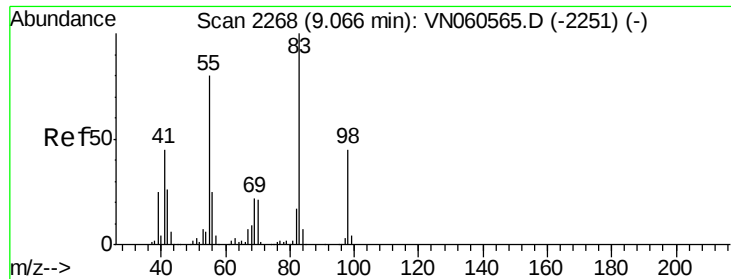
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#38
Carbon Tetrachloride
Concen: 50.314 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.2
121	30.4	23.7	35.5





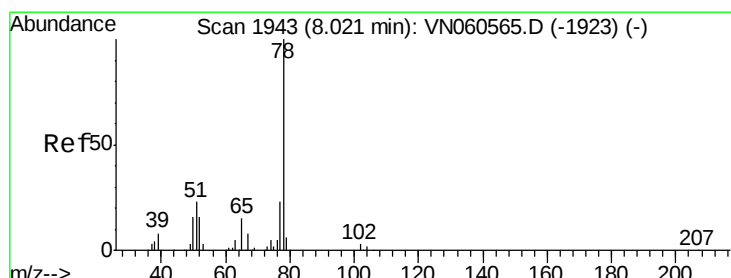
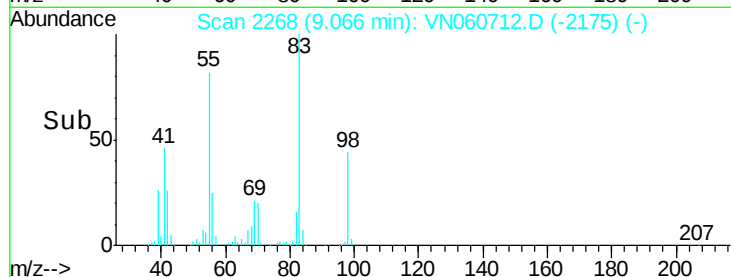
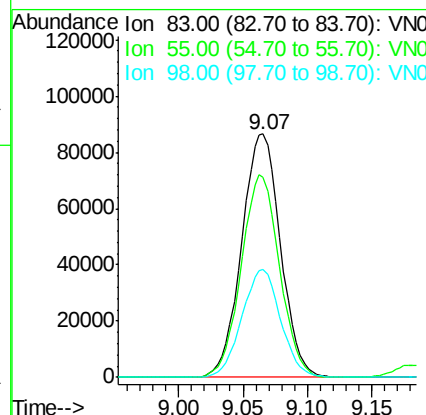
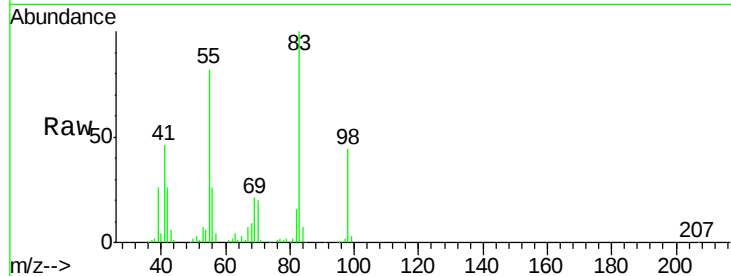
#39
Methvlcvclohexane
Concen: 47.650 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.3	63.6	95.4	
98	44.3	36.0	54.0	

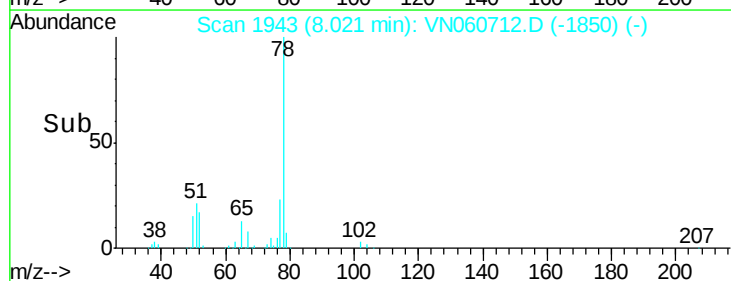
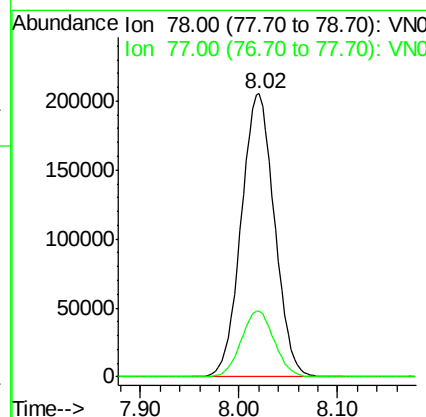
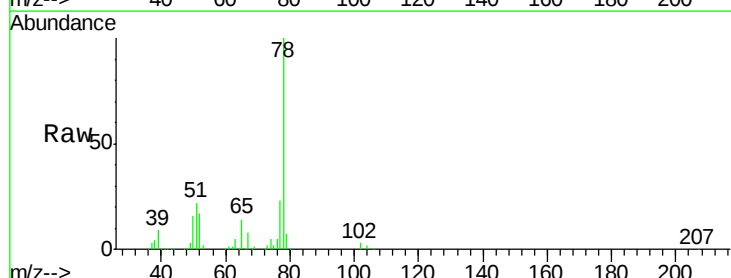
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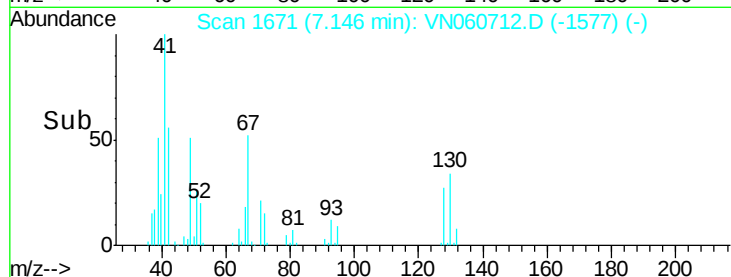
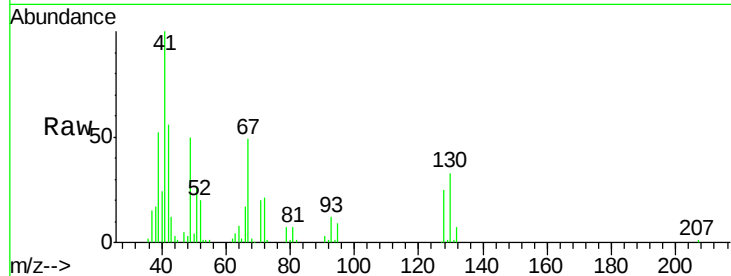
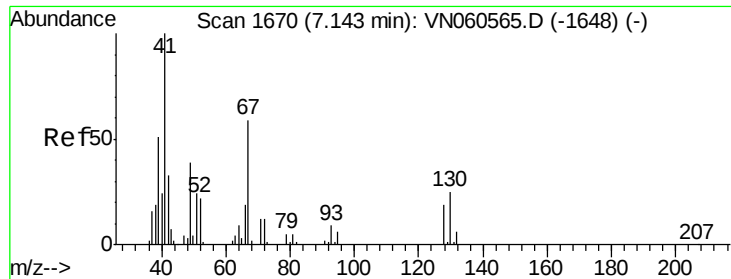
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#40
Benzene
Concen: 49.551 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.6	28.0	





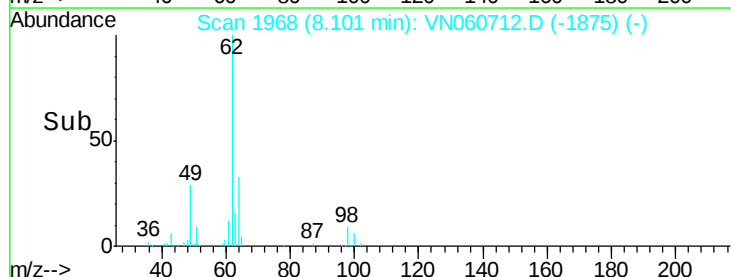
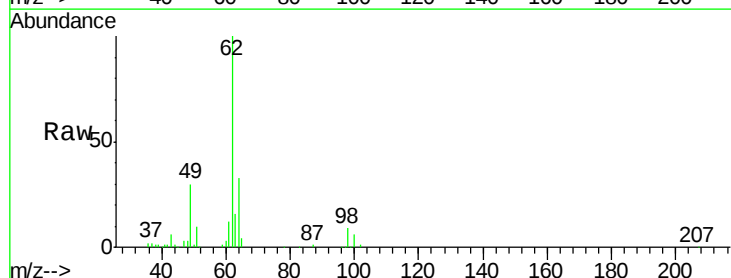
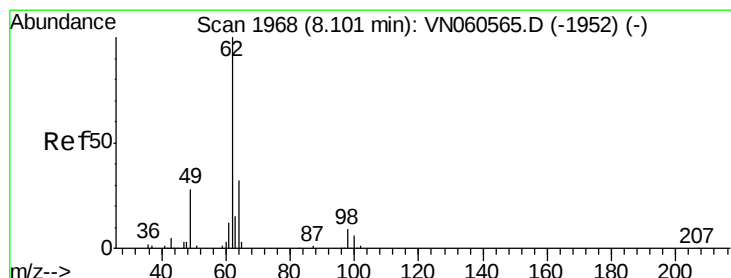
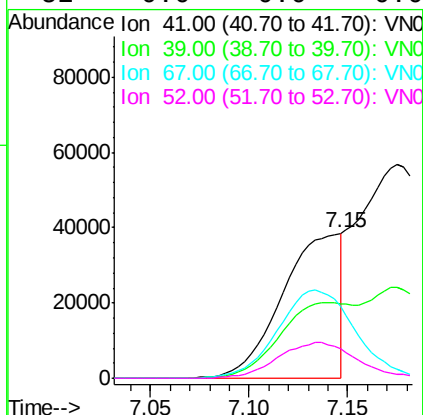
#41
Methacrylonitrile
Concen: 53.636 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tot Ion	41	Resp	79169
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

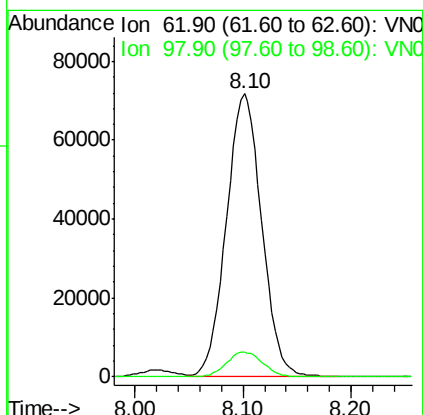
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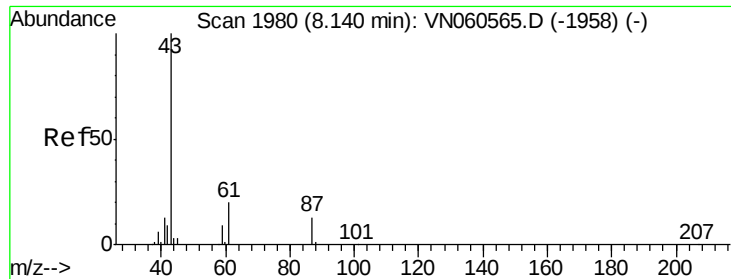
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#42
1,2-Dichloroethane
Concen: 49.488 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	62	Resp	163420
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





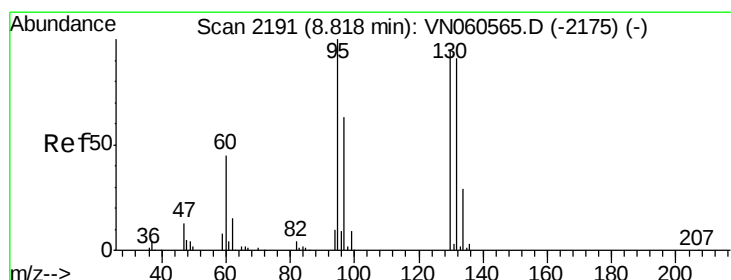
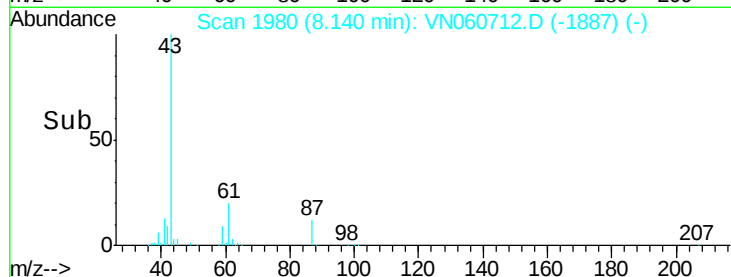
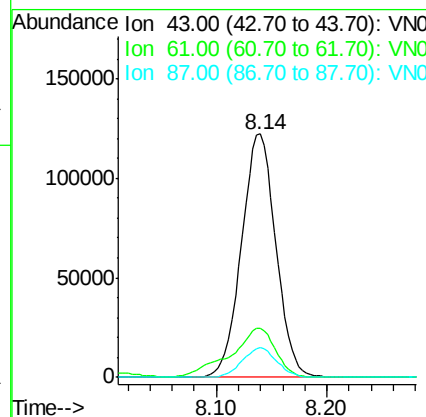
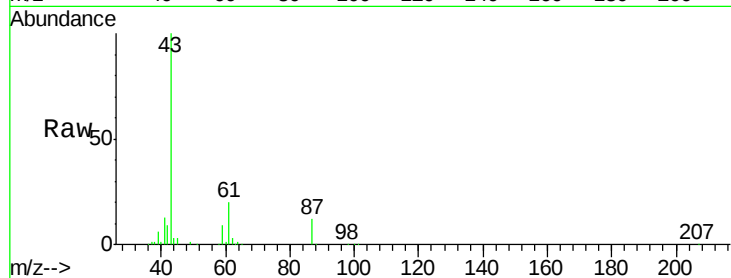
#43
Isopropyl Acetate
Concen: 46.344 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.7	31.1
87	12.1	9.8	14.8

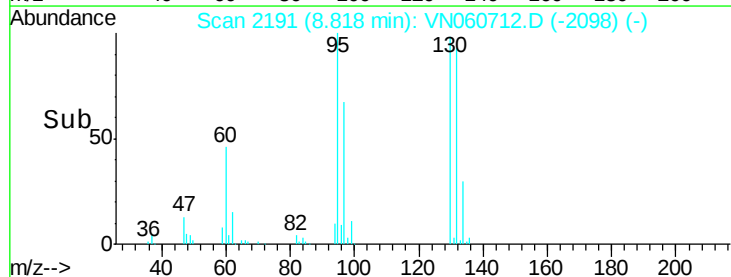
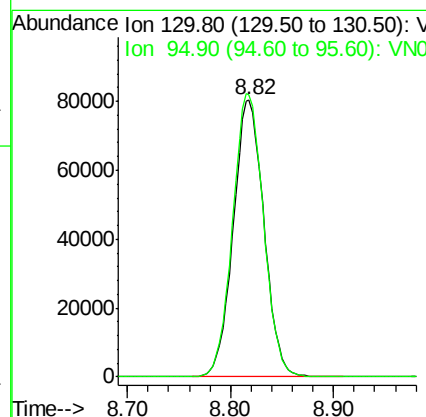
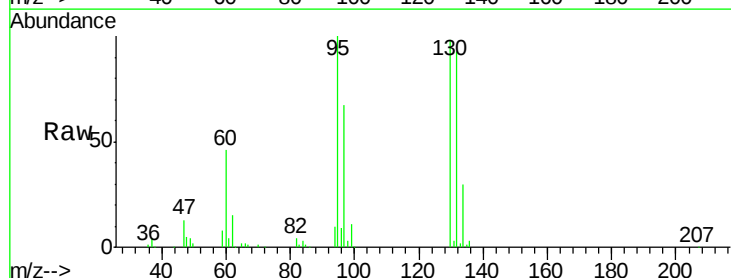
Manual Integrations
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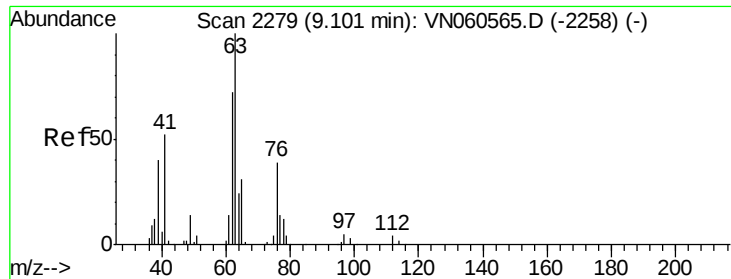
apatel
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#44
Trichloroethene
Concen: 68.359 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	211.2





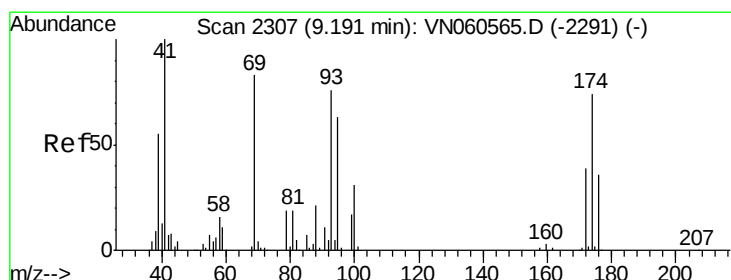
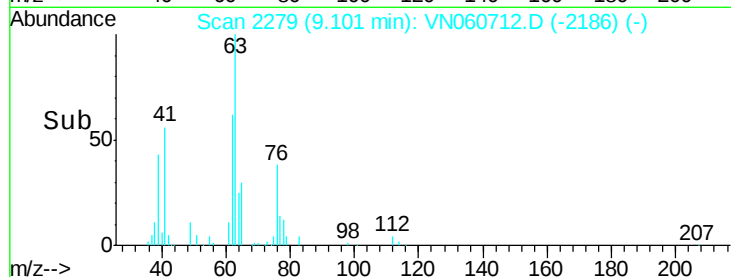
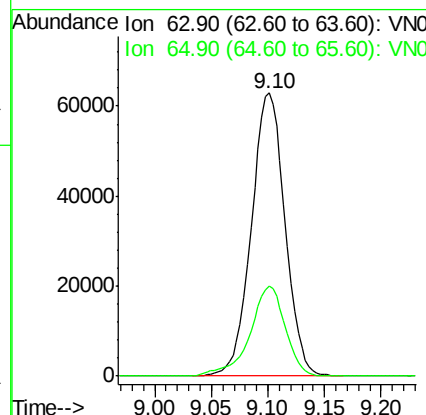
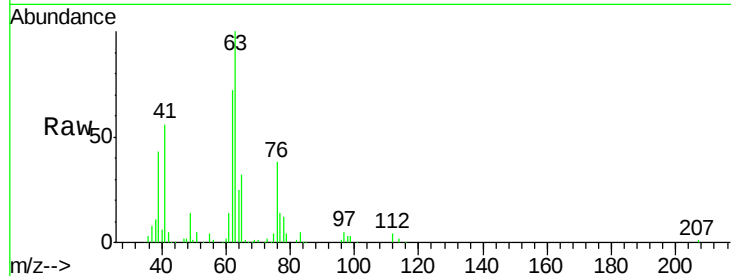
#45
 1,2-Dichloropropane
 Concen: 50.945 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion: 63 Resp: 129893
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0

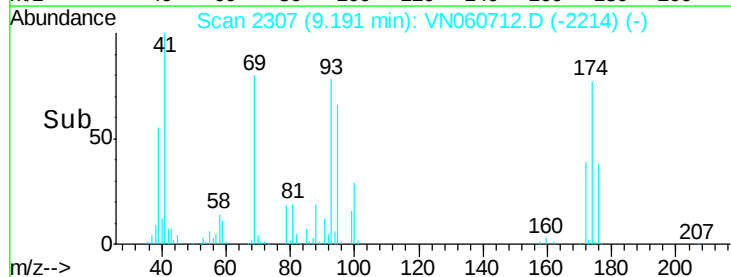
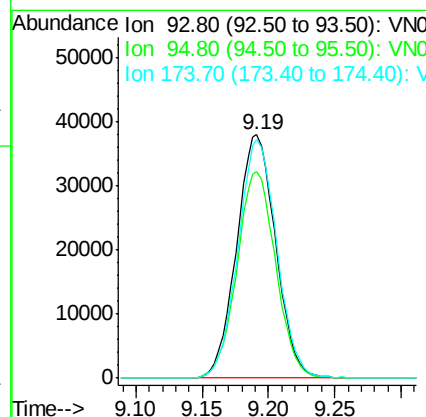
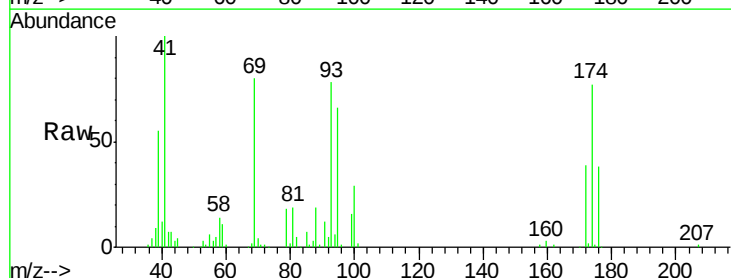
Manual Integrations
 APPROVED

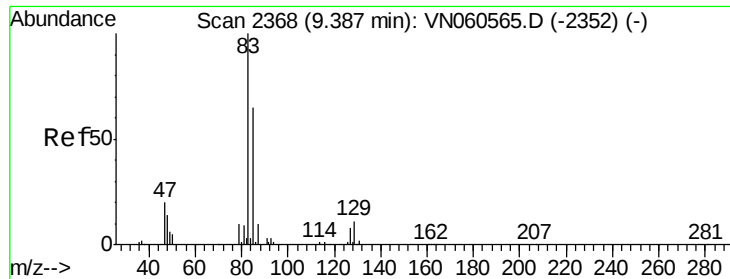
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#46
 Dibromomethane
 Concen: 50.372 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion: 93 Resp: 77645
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.2 99.4
 174 97.3 77.9 116.9





#47

Bromodichloromethane

Concen: 50.111 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

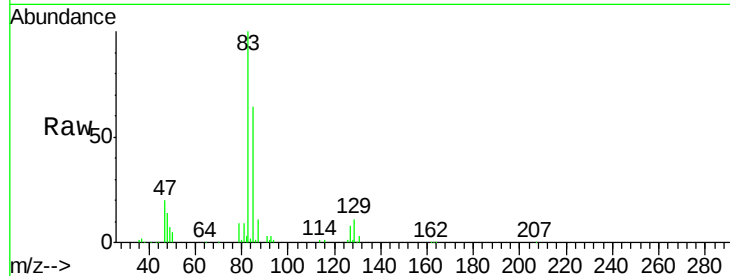
ClientSampleId :

MW203D-20200315MSD

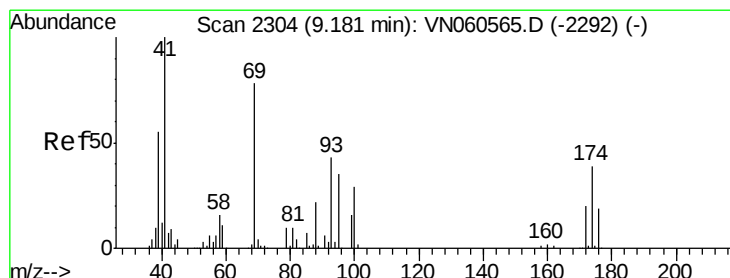
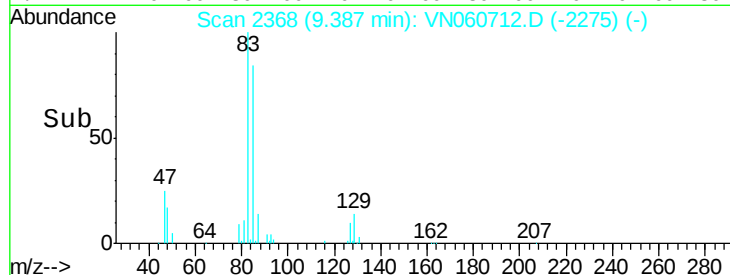
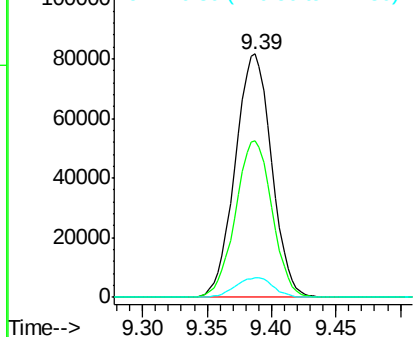
Tot Ion:	83	Resp:	160511
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.0	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.296 ug/l

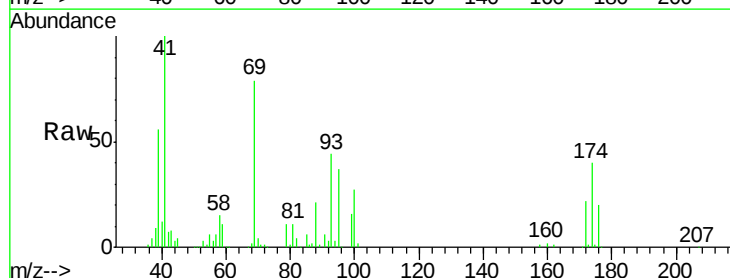
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

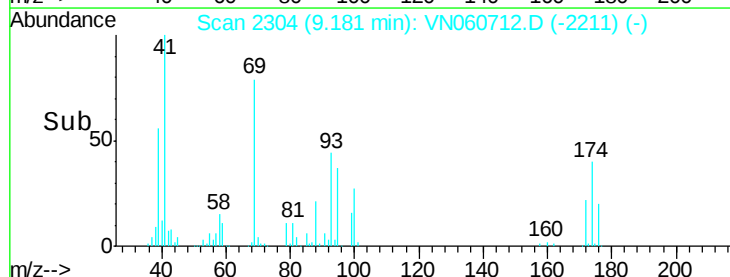
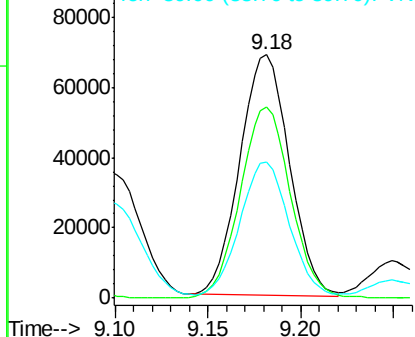
Lab File: VN060712.D

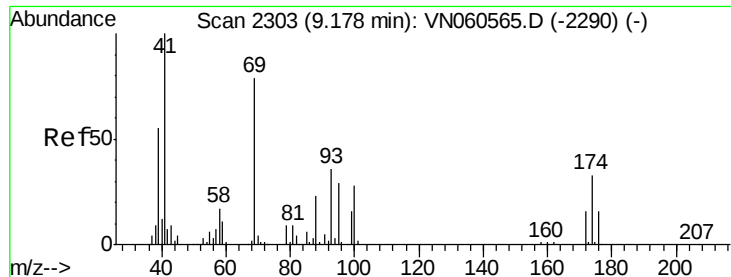
Acq: 26 Mar 2020 14:18

Tgt Ion:	41	Resp:	127728
Ion	Ratio	Lower	Upper
41	100		
69	80.9	65.4	98.0
39	57.4	44.0	66.0



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





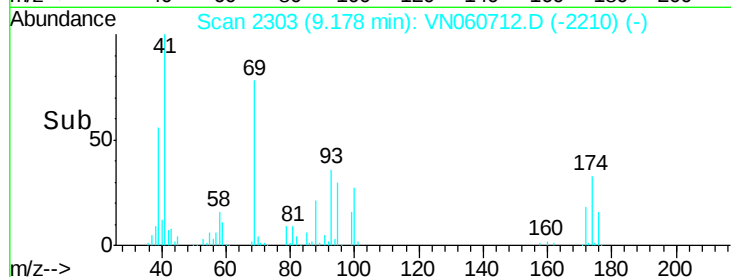
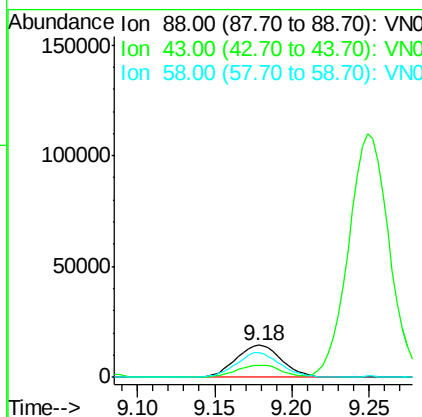
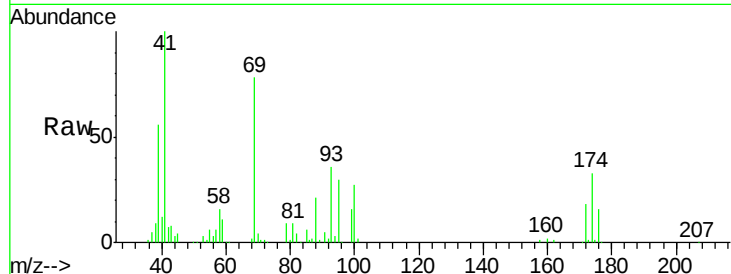
#49
1,4-Dioxane
Concen: 993.125 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100	29978		
43	37.3		30.8	46.2
58	74.2		59.8	89.8

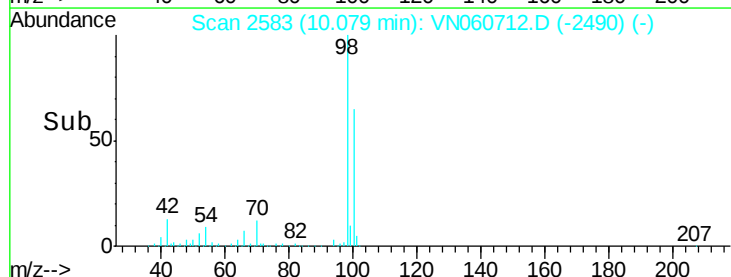
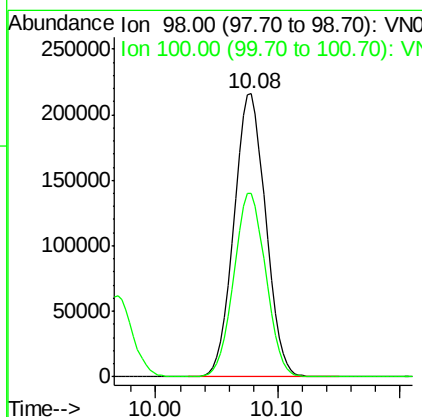
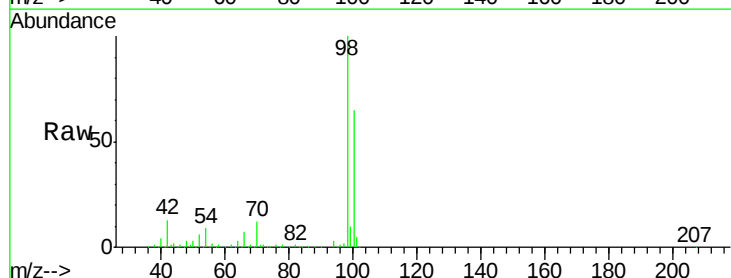
Manual Integrations
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#50
Toluene-d8
Concen: 47.722 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	389618		
100	65.4		51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 258.907 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 43 Resp: 840356

Ion Ratio Lower Upper

43 100

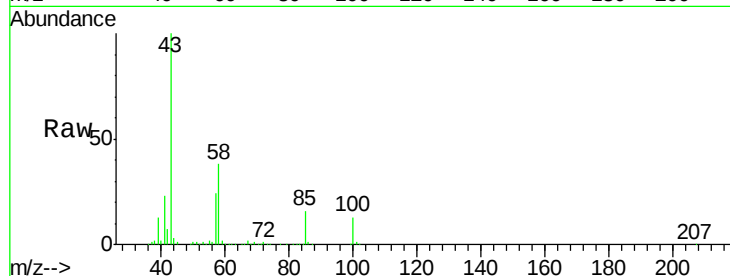
58 38.3 30.8 46.2

Manual Integrations

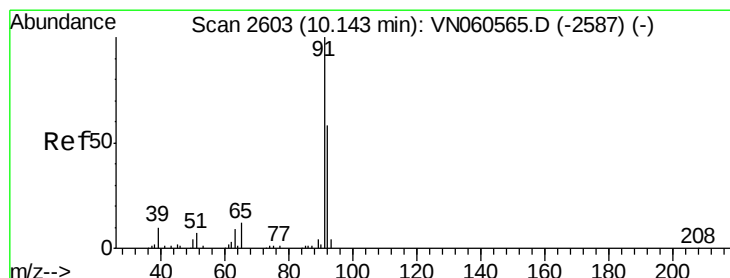
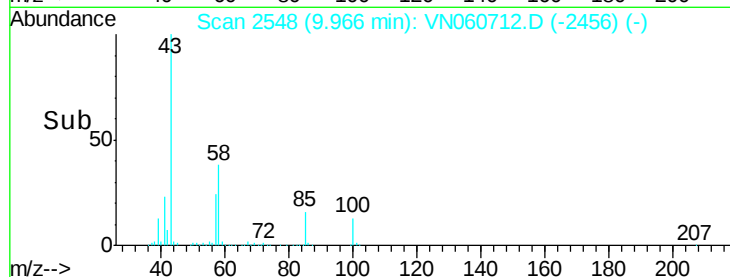
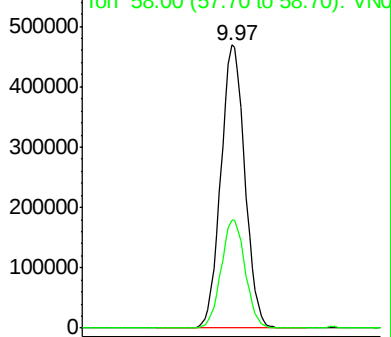
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Abundance Ion 43.00 (42.70 to 43.70): VN060712.D (-2456) (-)



#52

Toluene

Concen: 49.926 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060712.D

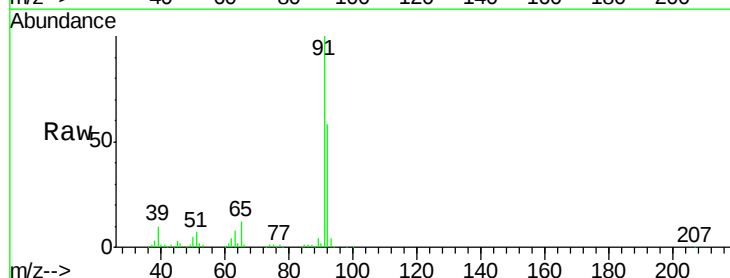
Acq: 26 Mar 2020 14:18

Tgt Ion: 92 Resp: 291346

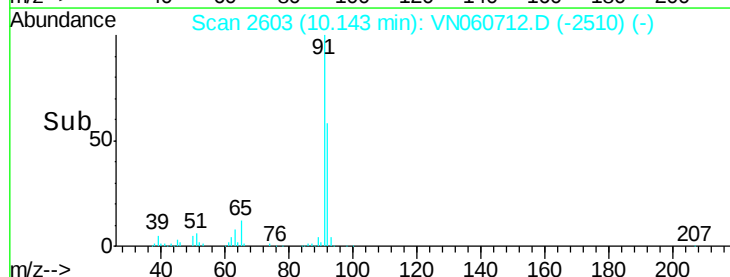
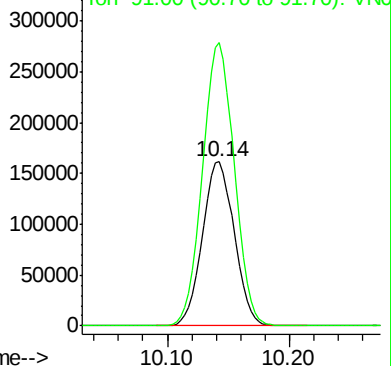
Ion Ratio Lower Upper

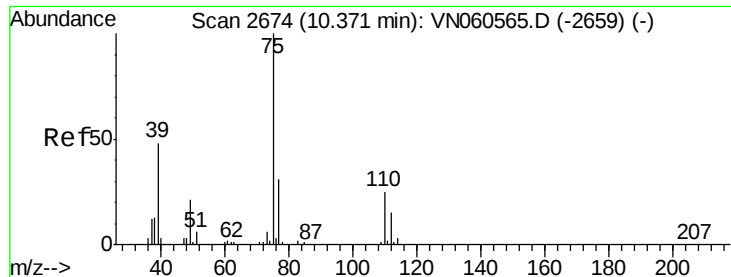
92 100

91 172.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060712.D (-2510) (-)





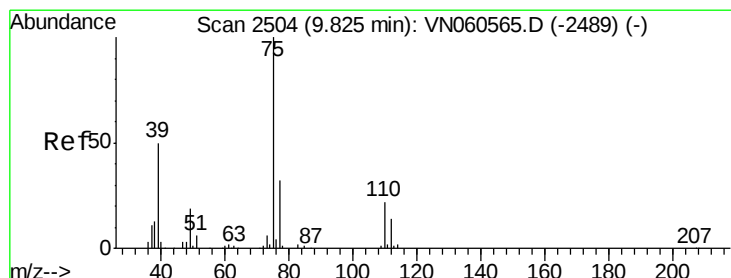
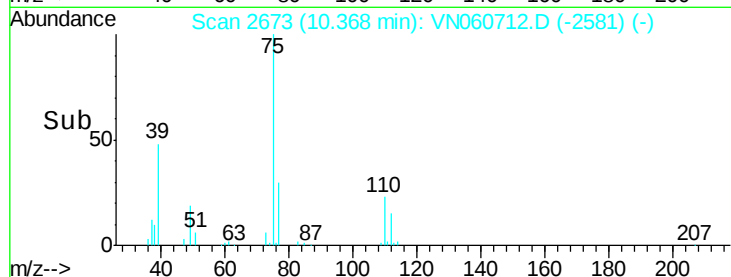
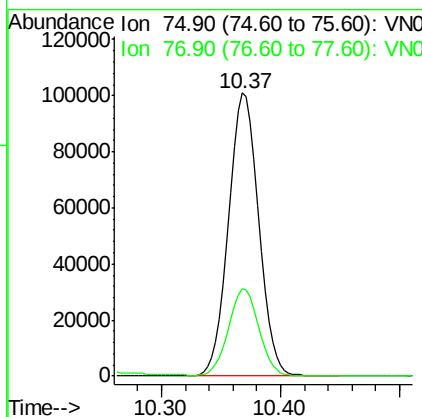
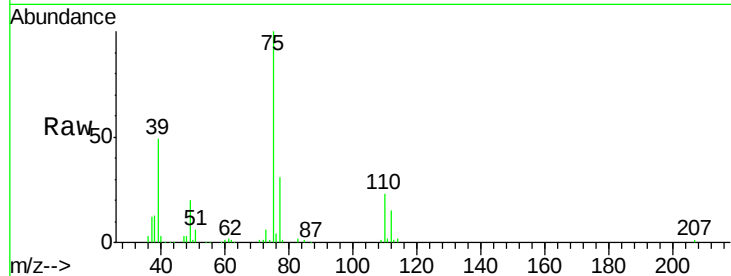
#53
t-1,3-Dichloropropene
Concen: 48.336 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion: 75 Resp: 177845
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7

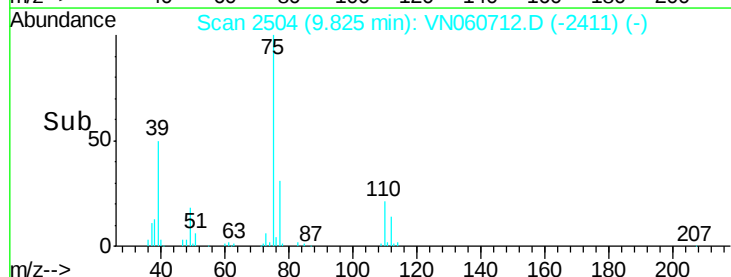
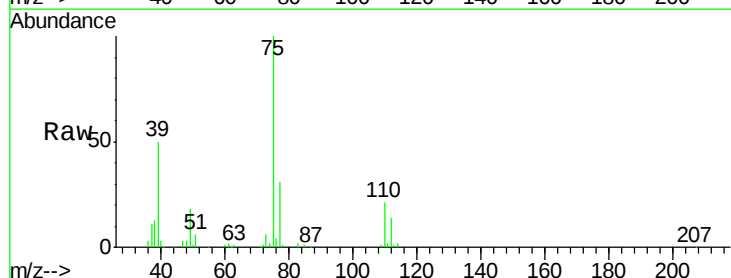
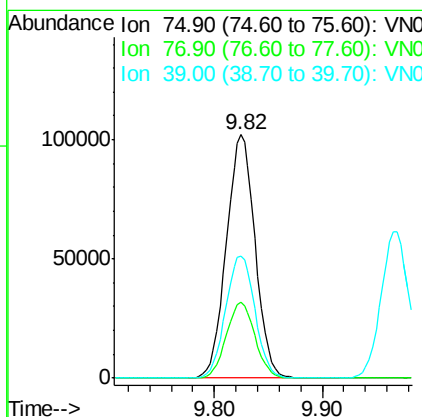
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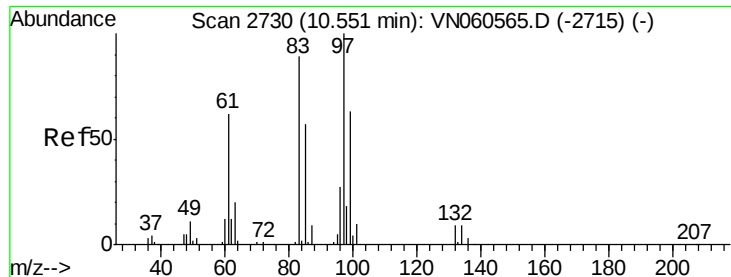
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#54
cis-1,3-Dichloropropene
Concen: 46.914 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion: 75 Resp: 189364
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 50.3 40.2 60.4





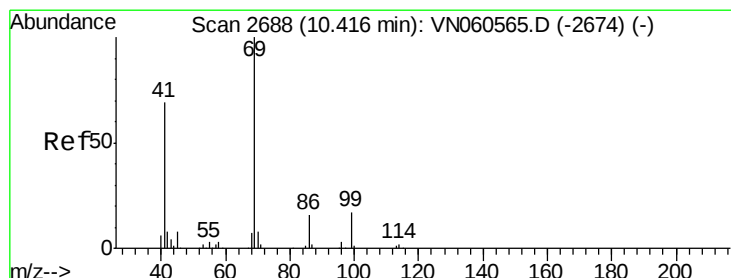
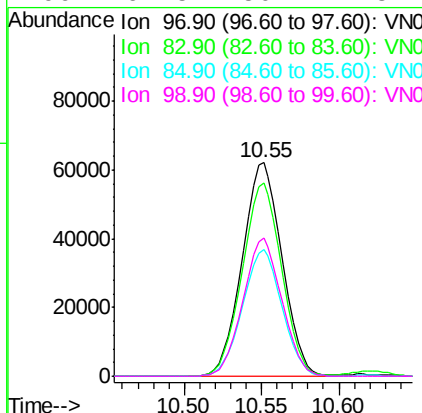
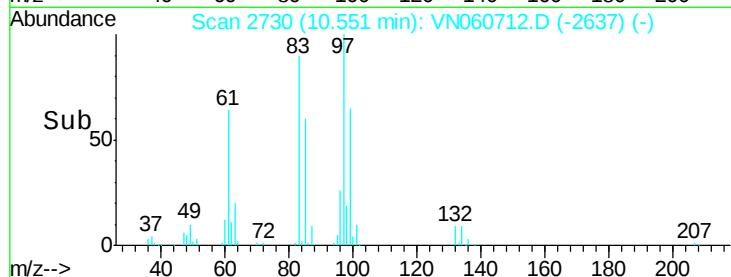
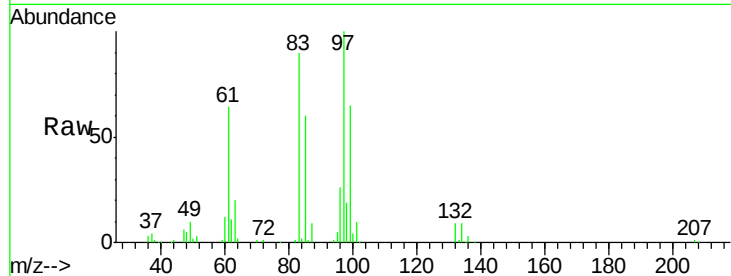
#55
 1,1,2-Trichloroethane
 Concen: 49.537 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion:	97	Resp:	111211
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.3	106.9
85	59.5	45.2	67.8
99	64.5	50.1	75.1

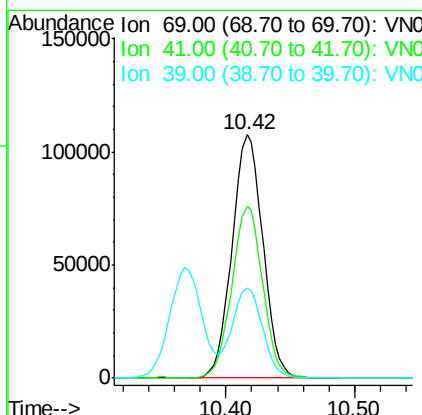
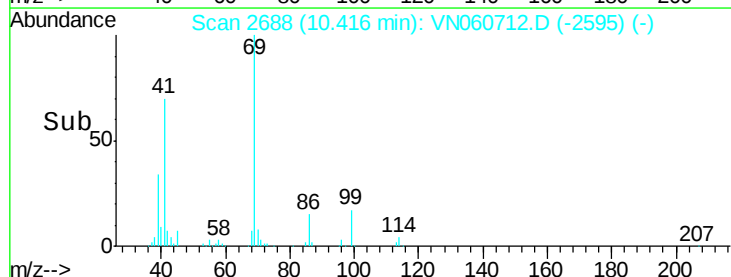
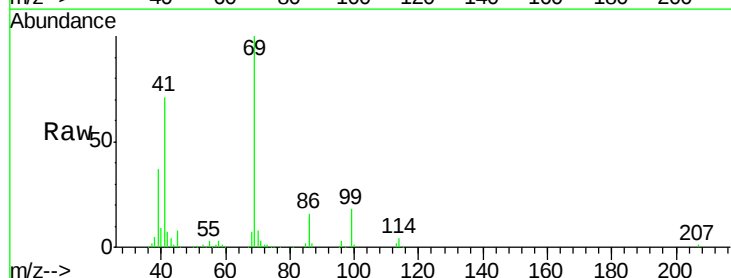
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#56
 Ethyl methacrylate
 Concen: 51.026 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion:	69	Resp:	178619
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.2
39	37.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.526 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 76 Resp: 196839

Ion Ratio Lower Upper

76 100

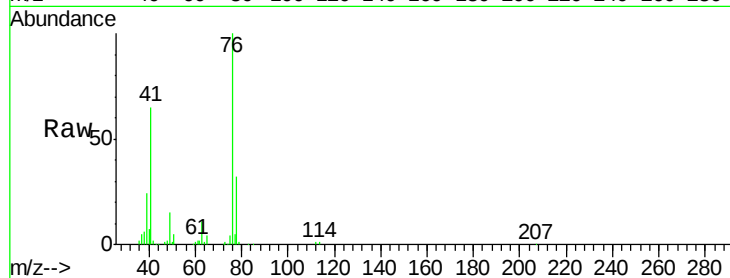
78 31.8 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

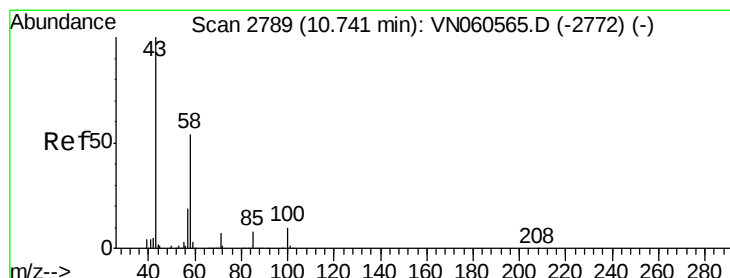
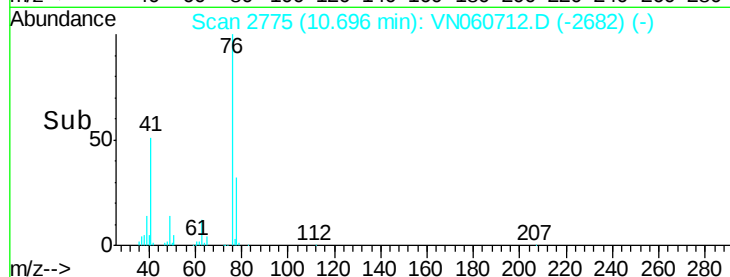
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#59

2-Hexanone

Concen: 261.603 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060712.D

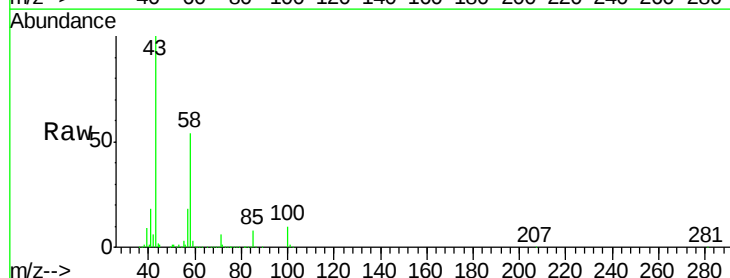
Acq: 26 Mar 2020 14:18

Tgt Ion: 43 Resp: 611655

Ion Ratio Lower Upper

43 100

58 53.4 26.7 80.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

400000

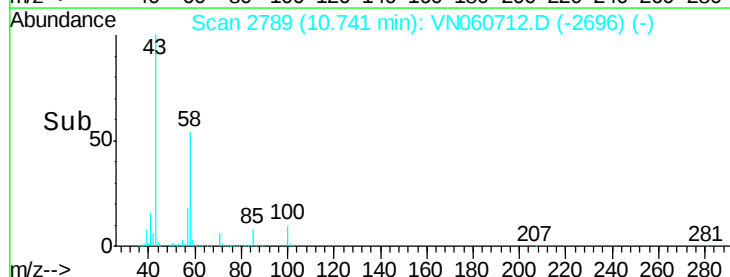
300000

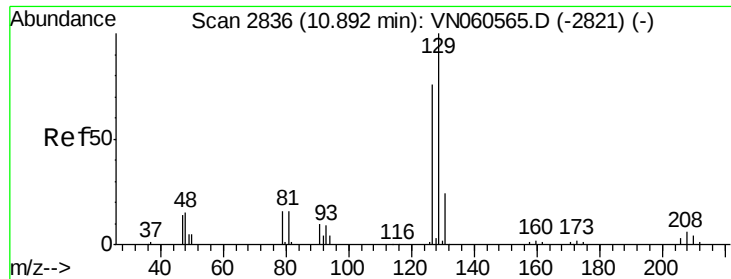
200000

100000

0

Time--> 10.65 10.70 10.75 10.80





#60

Dibromochloromethane

Concen: 51.322 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion:129 Resp: 119016

Ion Ratio Lower Upper

129 100

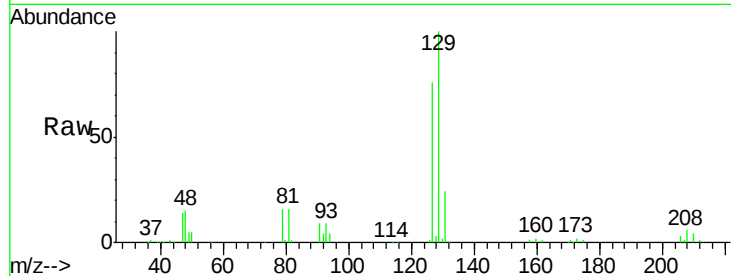
127 76.1 38.5 115.5

Manual Integrations

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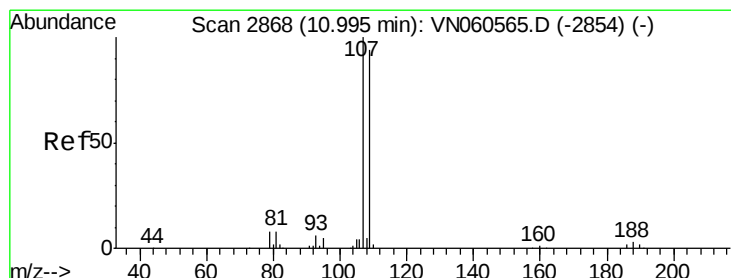
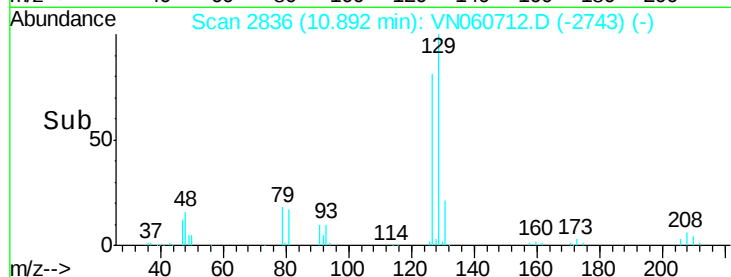
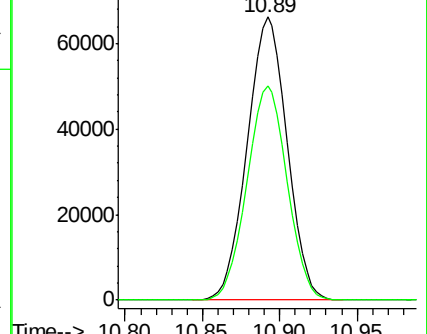
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.760 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060712.D

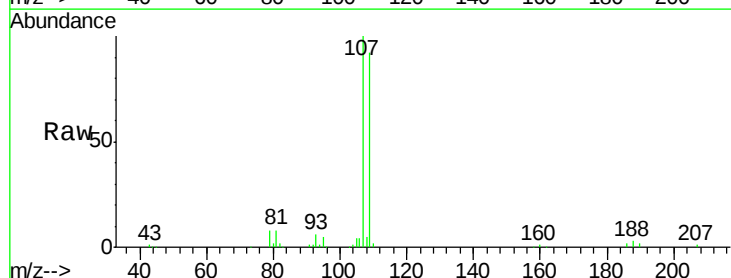
Acq: 26 Mar 2020 14:18

Tgt Ion:107 Resp: 114591

Ion Ratio Lower Upper

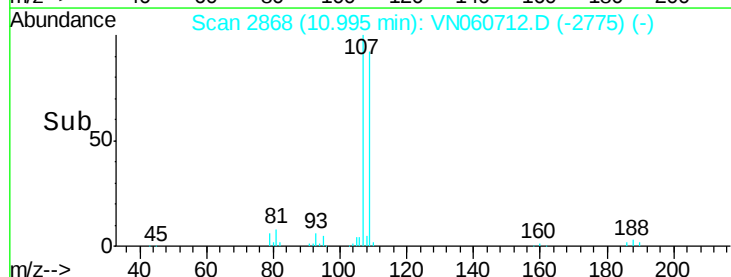
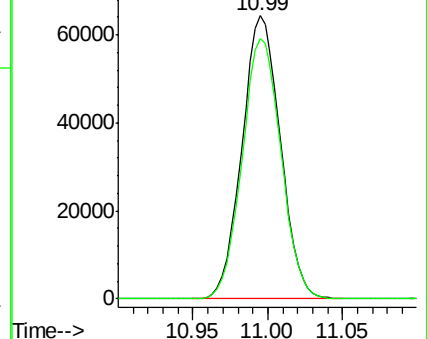
107 100

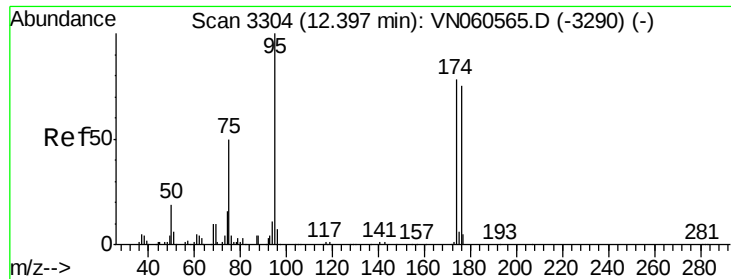
109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.897 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

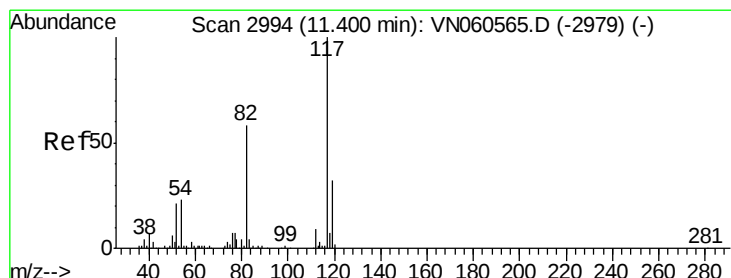
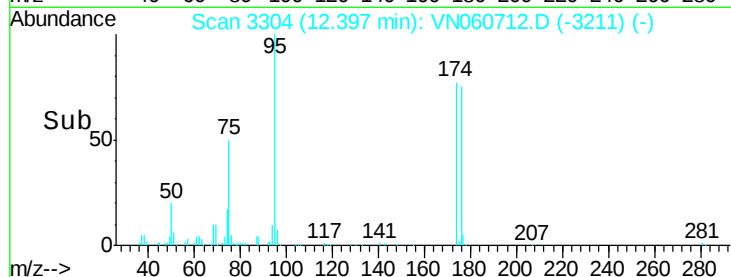
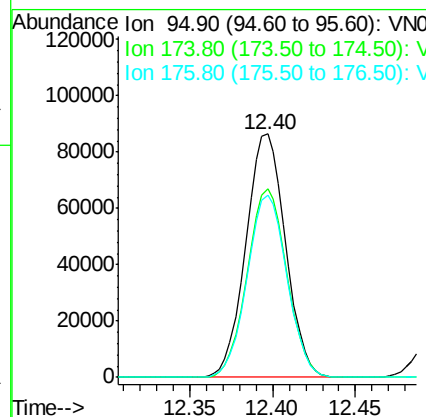
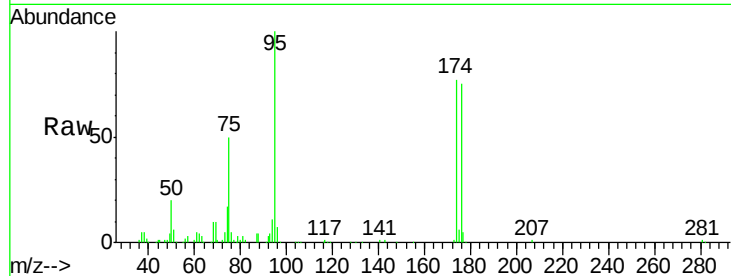
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	95	Resp:	143315
Ion Ratio	Lower	Upper	
95	100		
174	77.5	0.0	157.6
176	75.4	0.0	150.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

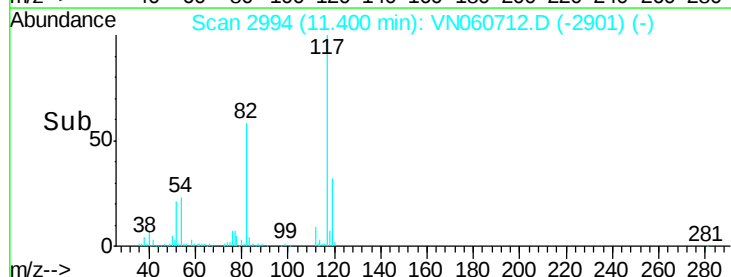
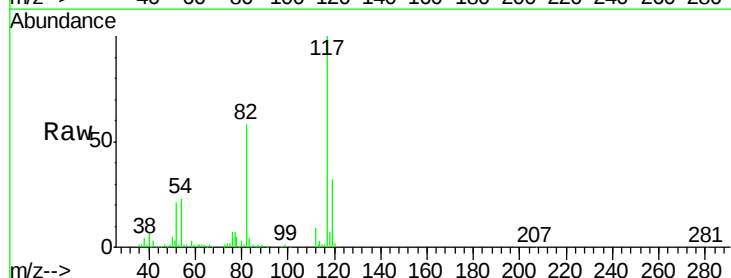
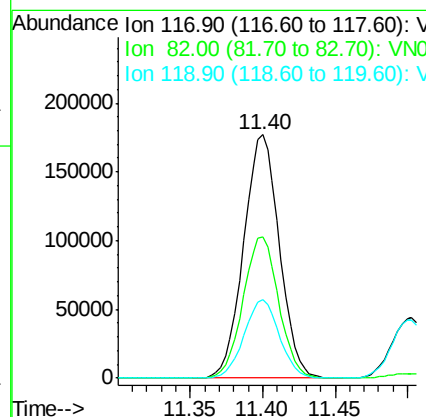
RT: 11.40 min Scan# 2994

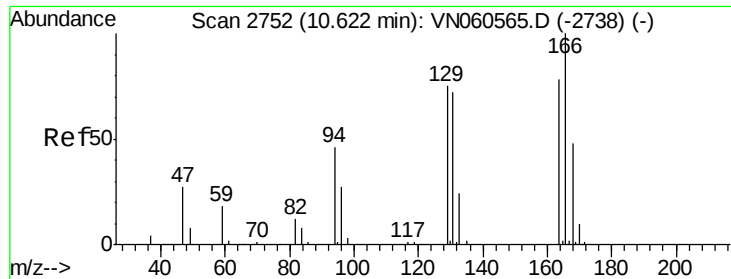
Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	117	Resp:	302654
Ion Ratio	Lower	Upper	
117	100		
82	57.8	46.7	70.1
119	32.1	25.5	38.3





#64

Tetrachloroethene

Concen: 46.976 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion:164 Resp: 111879

Ion Ratio Lower Upper

164 100

166 127.5 102.7 154.1

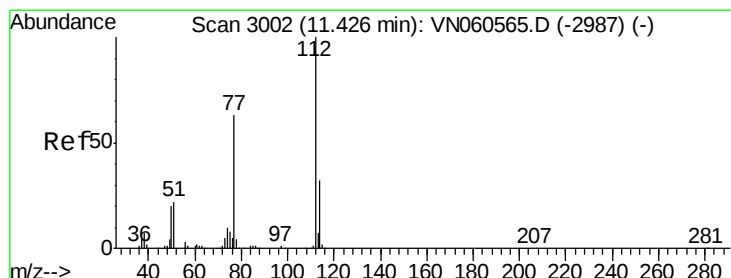
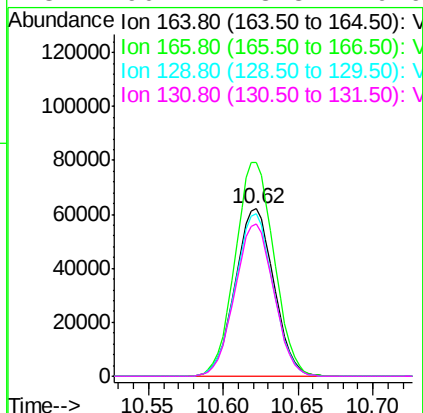
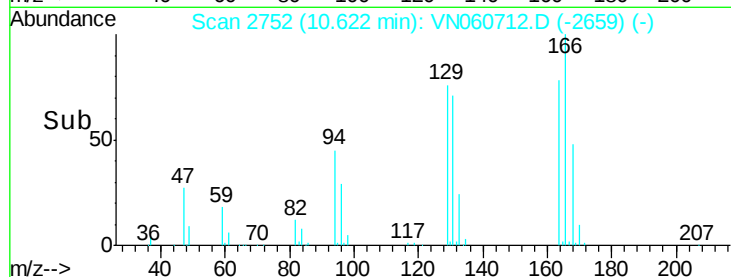
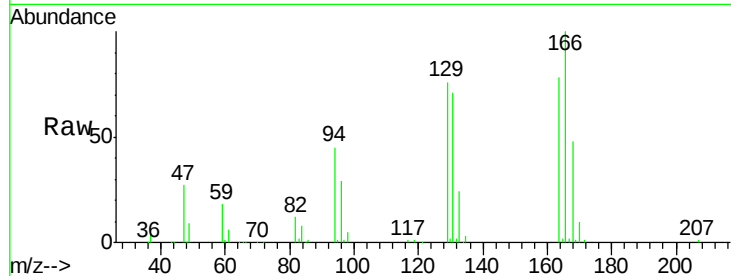
129 96.8 77.2 115.8

131 90.7 73.8 110.6

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#65

Chlorobenzene

Concen: 48.994 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060712.D

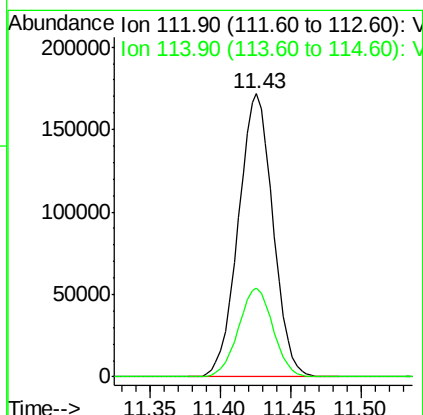
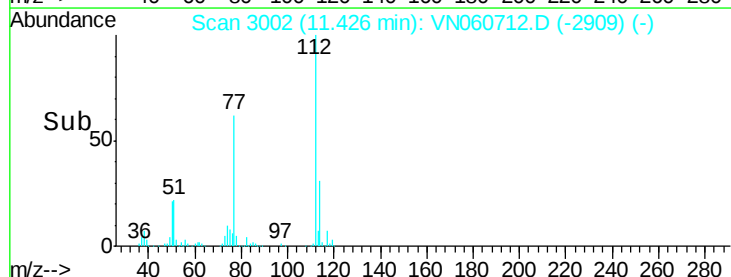
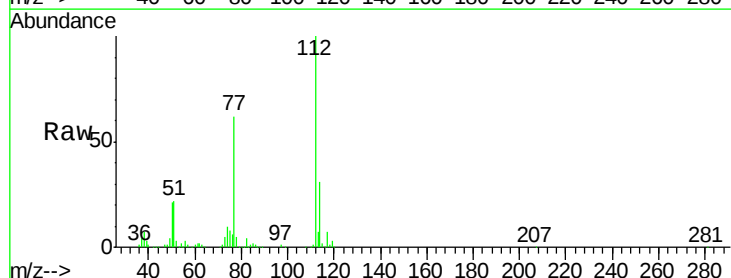
Acq: 26 Mar 2020 14:18

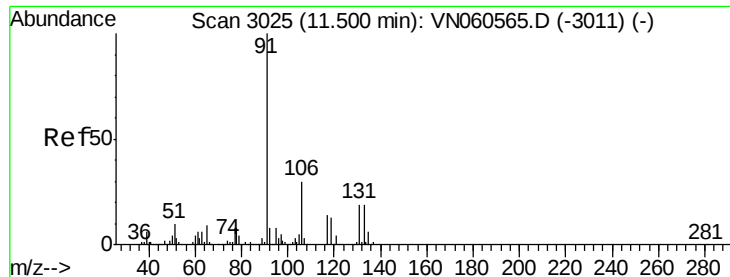
Tgt Ion:112 Resp: 293954

Ion Ratio Lower Upper

112 100

114 31.2 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 50.476 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

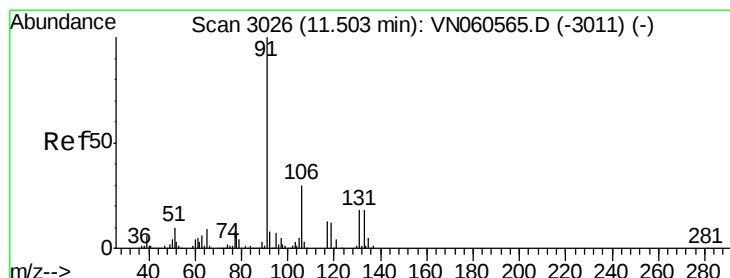
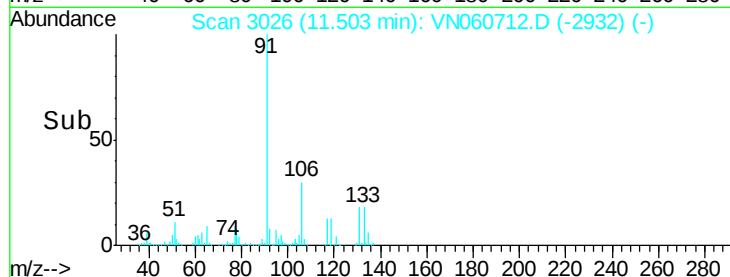
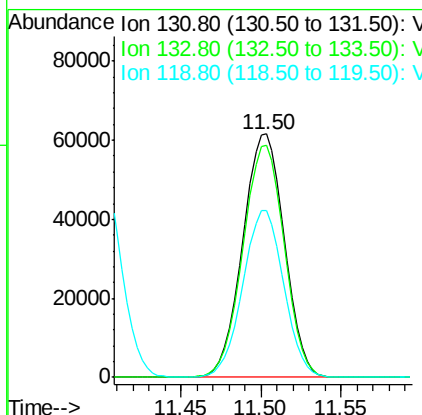
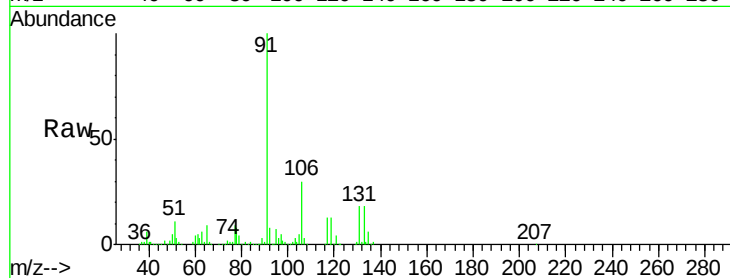
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	131	Resp:	109650
Ion Ratio	Lower	Upper	
131	100		
133	94.8	48.9	146.8
119	67.2	33.9	101.7

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#67

Ethyl Benzene

Concen: 49.602 ug/l

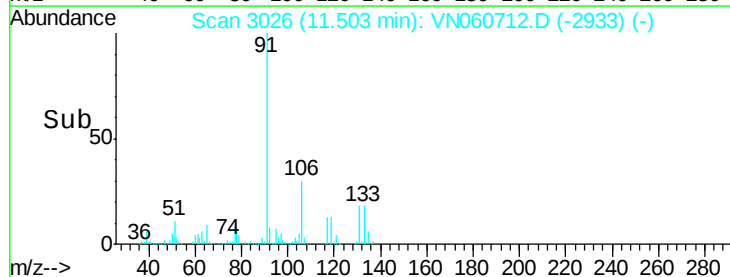
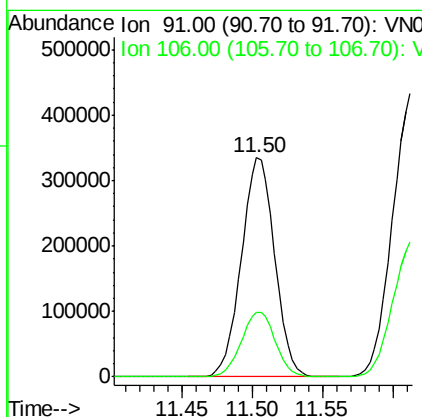
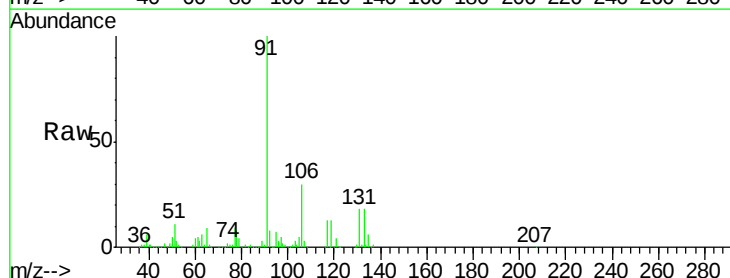
RT: 11.50 min Scan# 3026

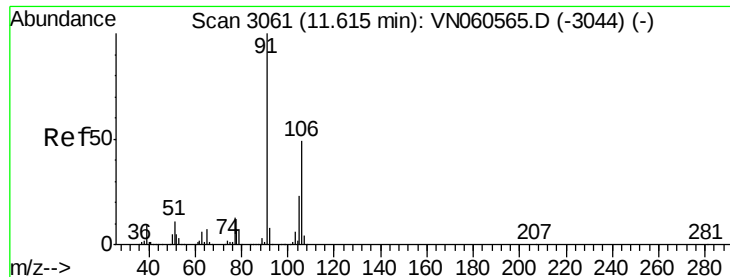
Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	91	Resp:	553444
Ion Ratio	Lower	Upper	
91	100		
106	29.8	24.2	36.2





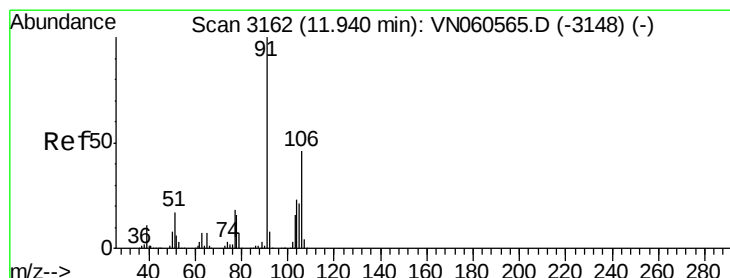
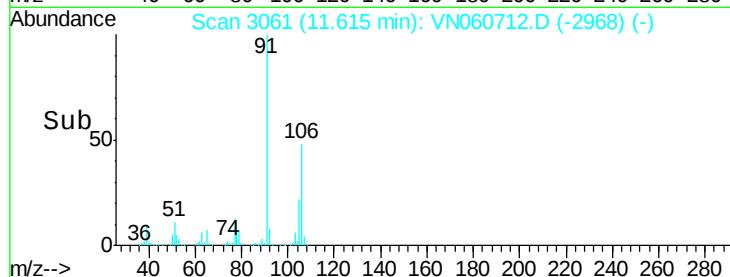
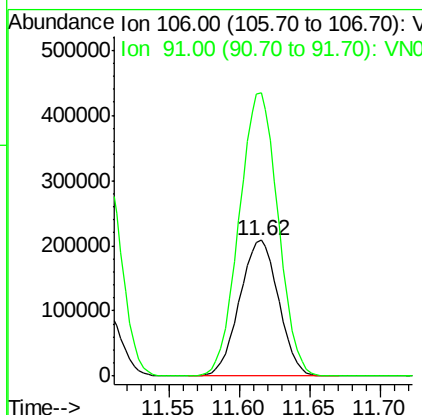
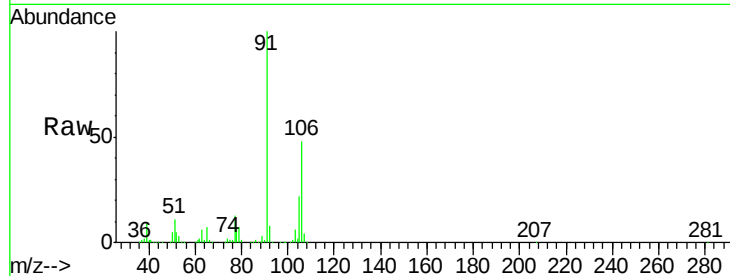
#68
m/p-Xylenes
Concen: 97.310 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion:106 Resp: 403468
Ion Ratio Lower Upper
106 100
91 208.3 165.0 247.4

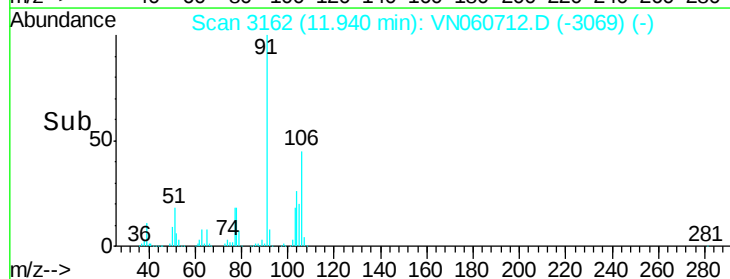
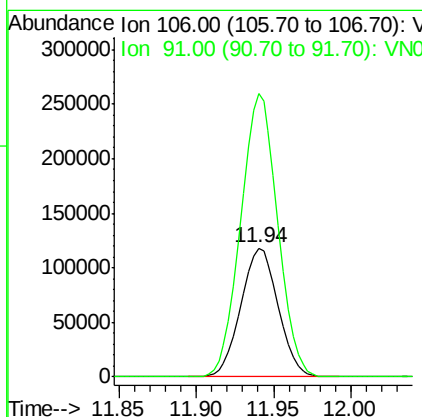
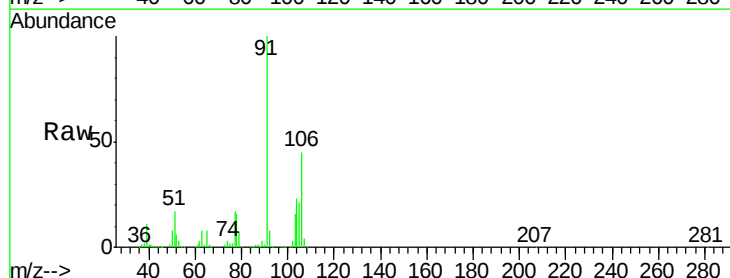
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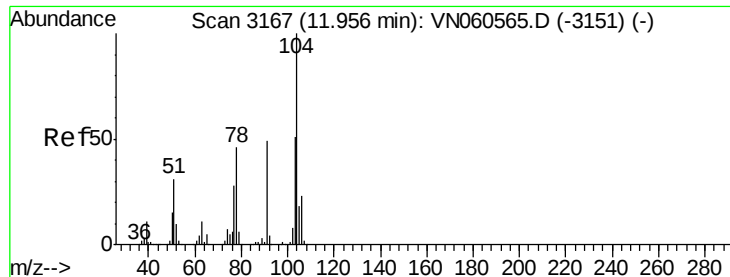
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#69
o-Xylene
Concen: 49.924 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion:106 Resp: 197602
Ion Ratio Lower Upper
106 100
91 218.0 109.5 328.4





#70

Stvrene

Concen: 49.906 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

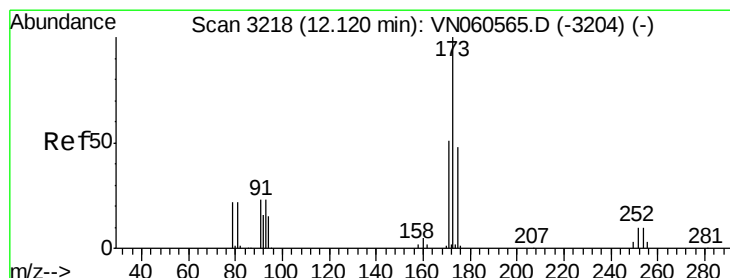
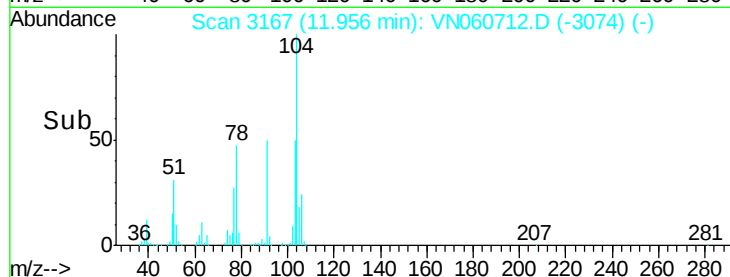
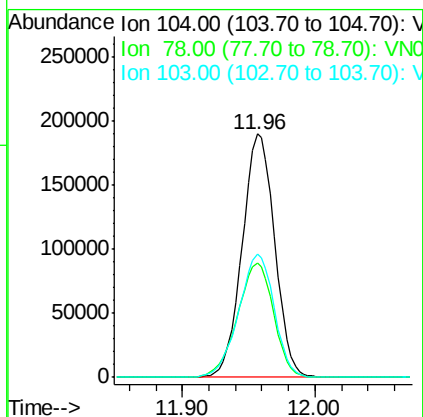
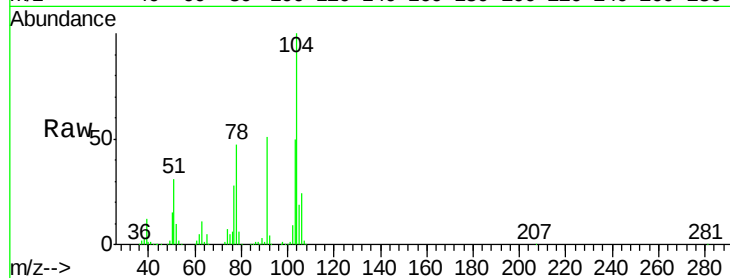
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	104	Resp:	323059
Ion Ratio	Lower	Upper	
104	100		
78	52.1	41.2	61.8
103	55.2	44.0	66.0

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#71

Bromoform

Concen: 47.251 ug/l

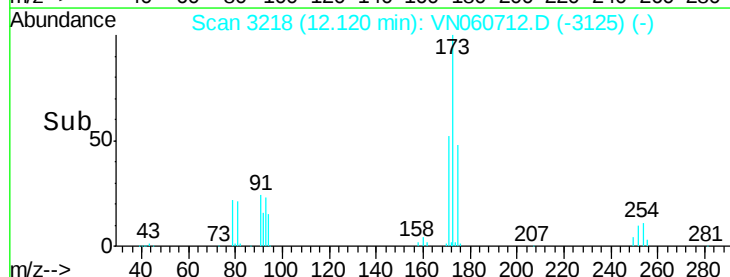
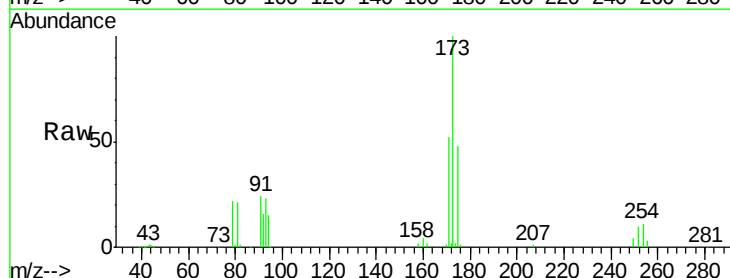
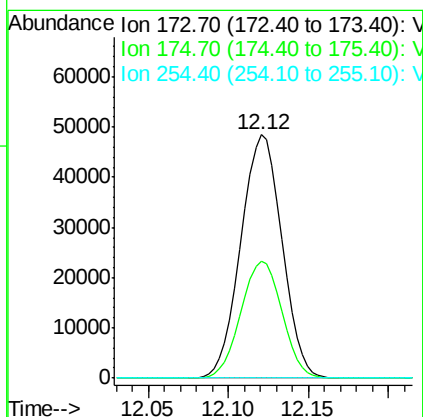
RT: 12.12 min Scan# 3218

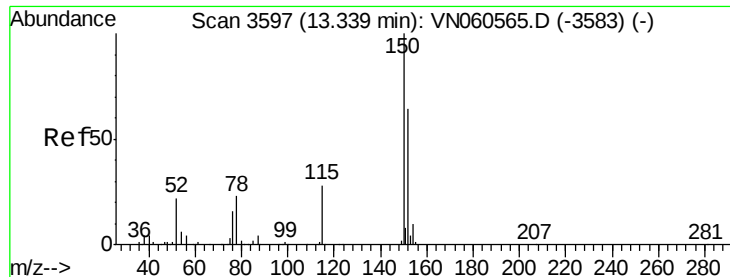
Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	173	Resp:	85138
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.1	72.4
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion:152 Resp: 143478

Ion Ratio Lower Upper

152 100

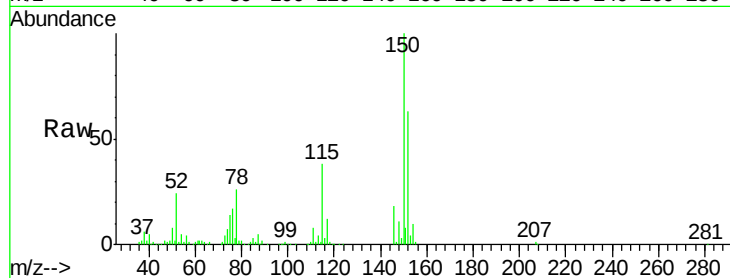
115 59.9 30.2 90.6

150 172.5 0.0 350.2

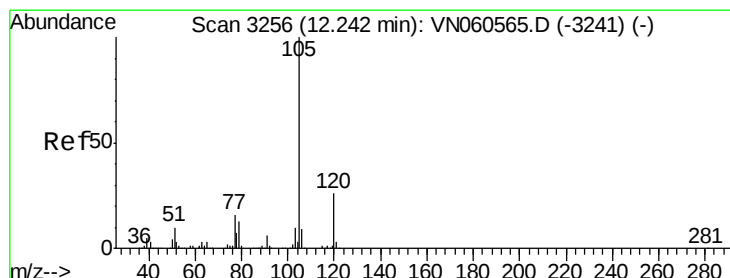
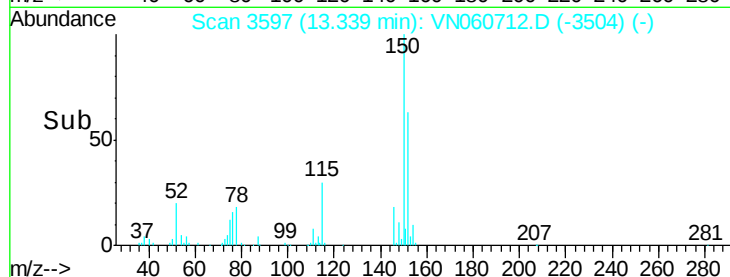
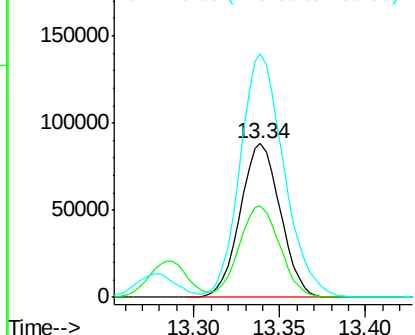
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.423 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060712.D

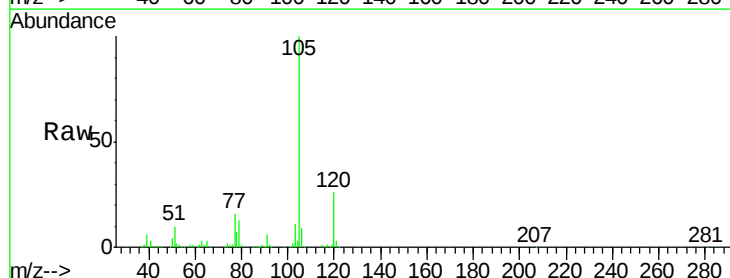
Acq: 26 Mar 2020 14:18

Tgt Ion:105 Resp: 521388

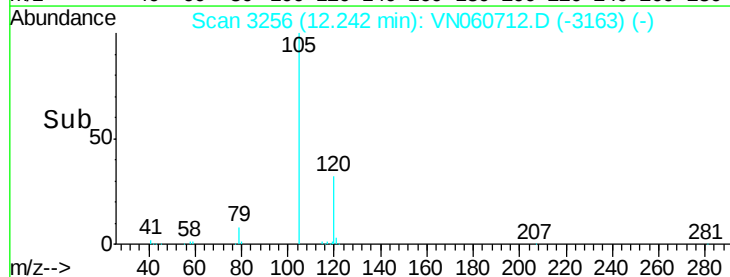
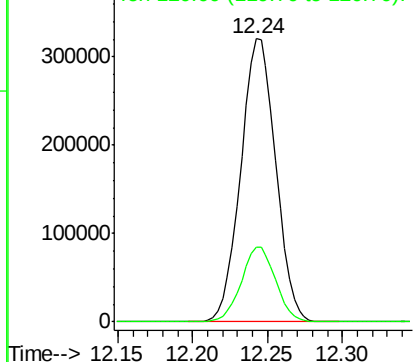
Ion Ratio Lower Upper

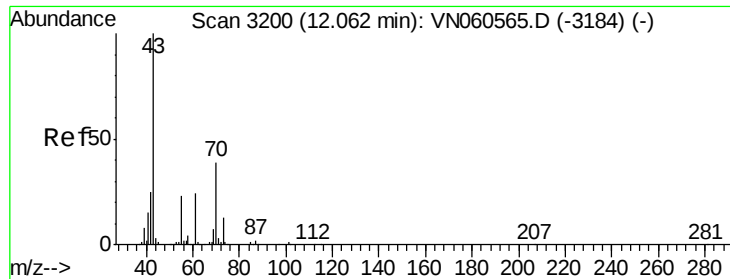
105 100

120 25.9 13.1 39.1



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





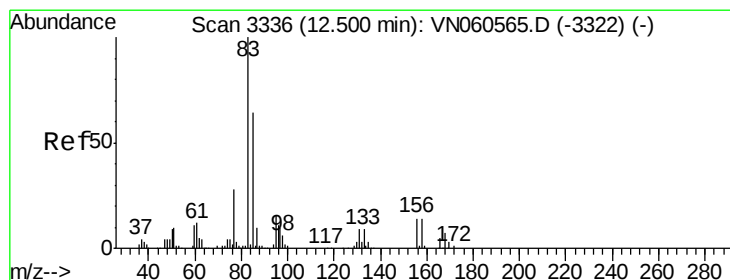
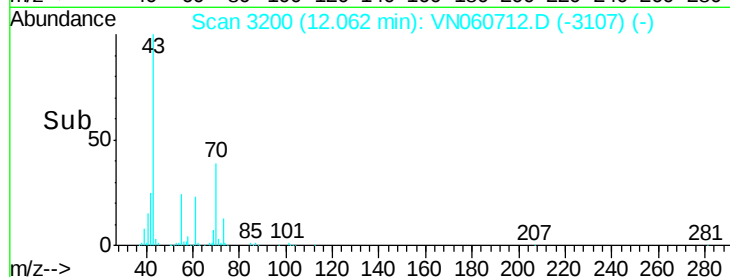
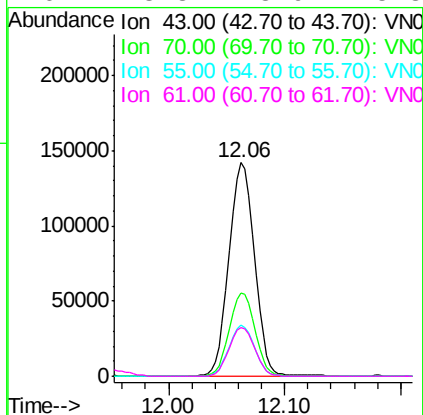
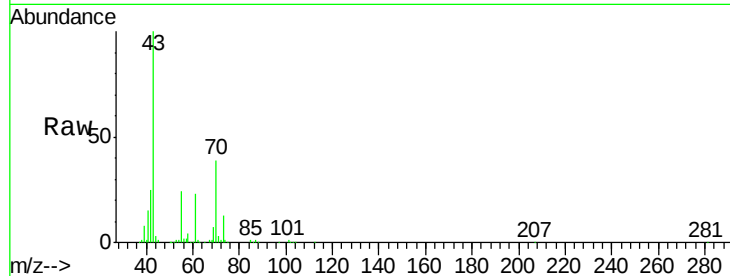
#74
N-amyl acetate
Concen: 43.047 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		214183		
70	39.3	31.1	46.7		
55	24.0	18.6	27.8		
61	23.3	18.9	28.3		

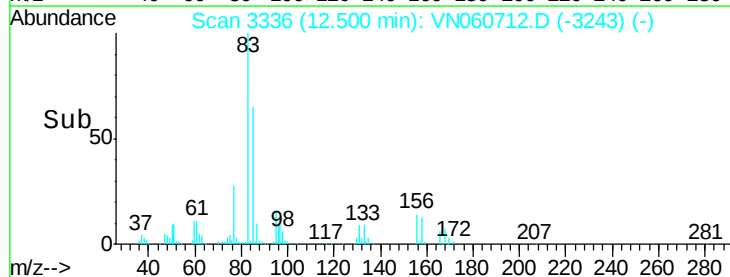
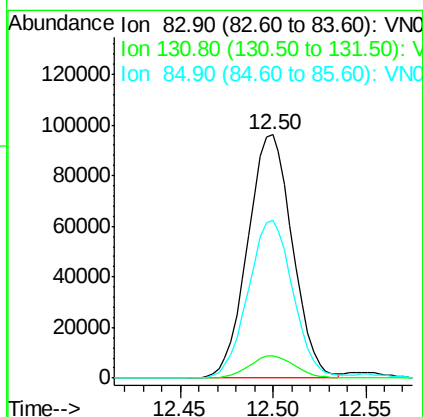
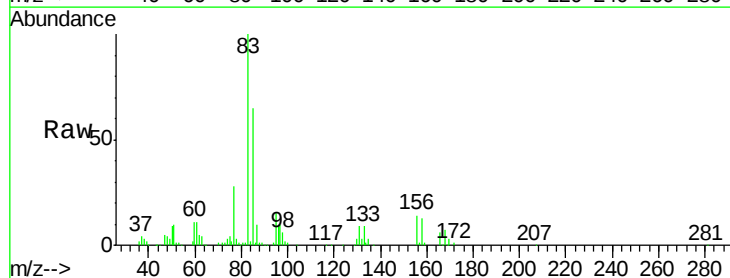
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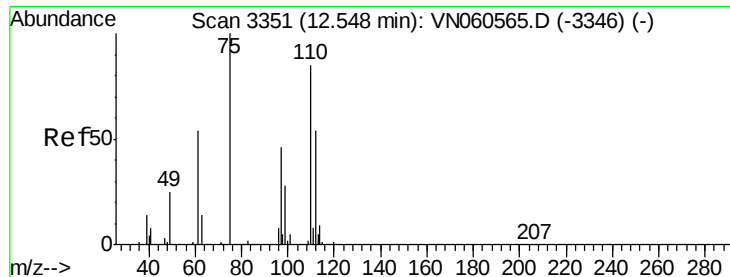
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#75
1,1,2,2-Tetrachloroethane
Concen: 49.872 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		162390		
131	9.3	4.9	14.7		
85	64.7	32.5	97.4		





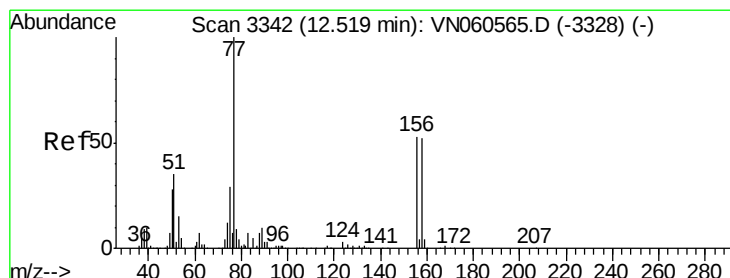
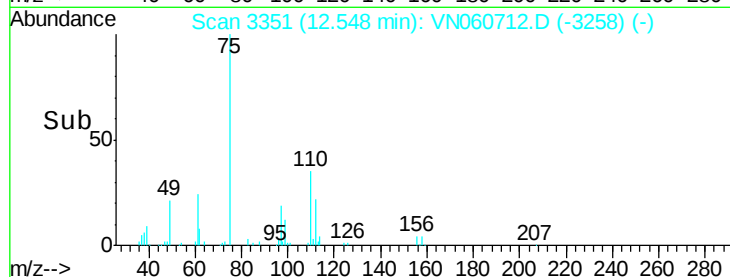
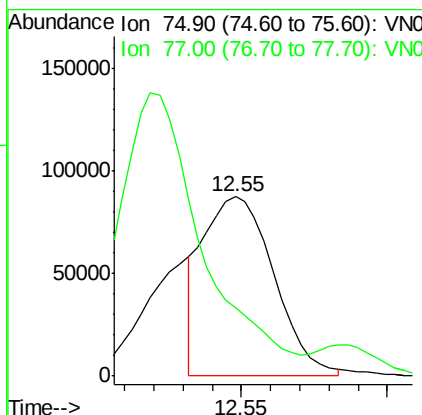
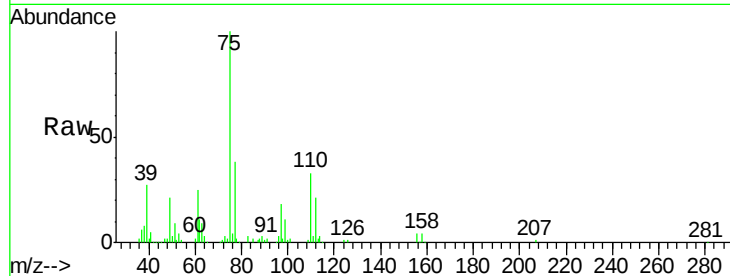
#76
1,2,3-Trichloropropane
Concen: 47.454 ug/l m
RT: 12.55 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

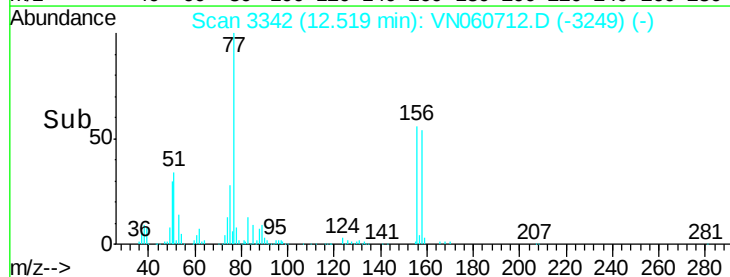
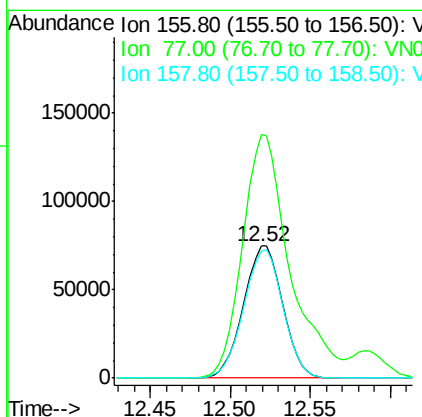
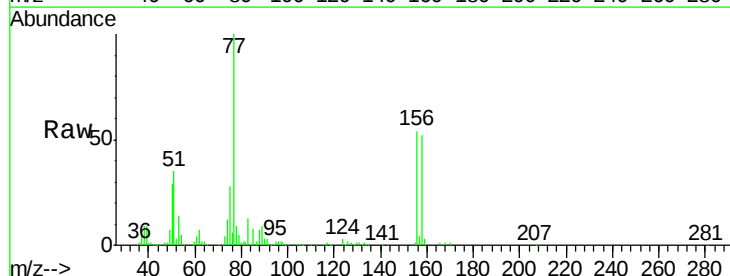
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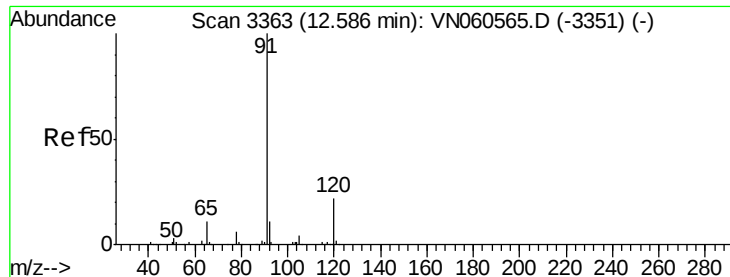
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#77
Bromobenzene
Concen: 48.219 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
156	100		
77	223.2	112.3	337.0
158	97.6	48.6	145.8





#78

n-propylbenzene

Concen: 48.243 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion: 91 Resp: 613708

Ion Ratio Lower Upper

91 100

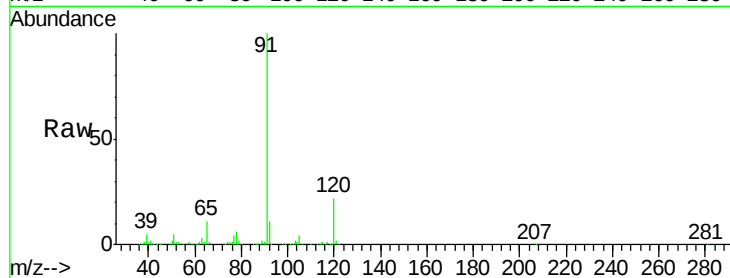
120 22.1 11.3 33.8

Manual Integrations

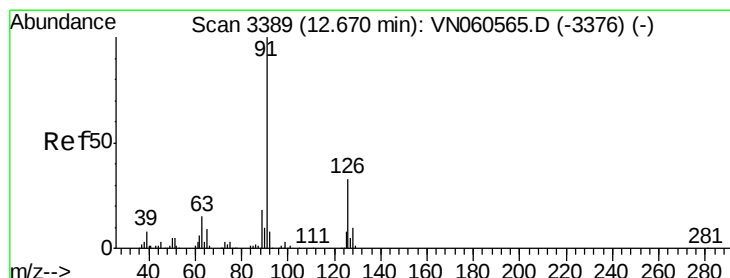
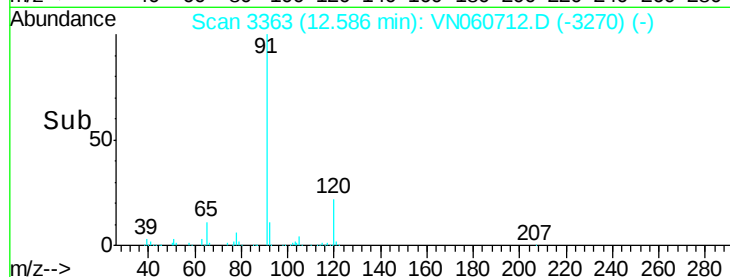
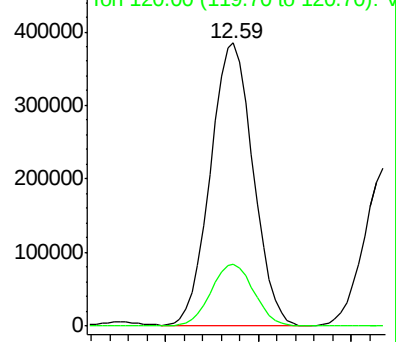
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Abundance Ion 91.00 (90.70 to 91.70): VN060712.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 47.701 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060712.D

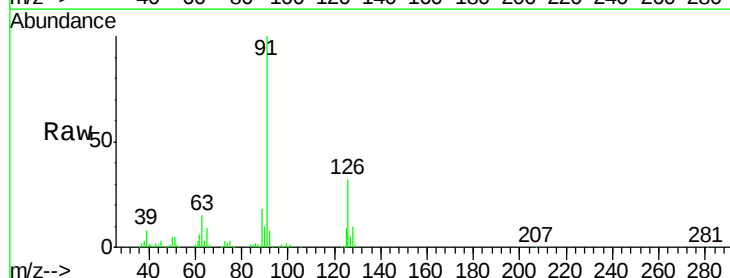
Acq: 26 Mar 2020 14:18

Tgt Ion: 91 Resp: 362567

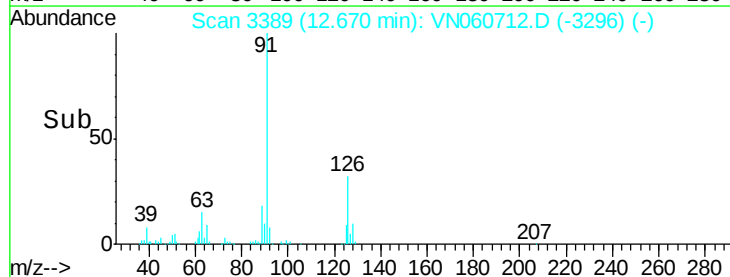
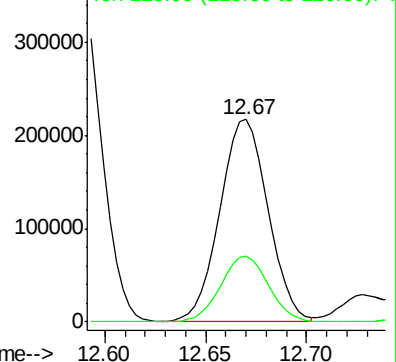
Ion Ratio Lower Upper

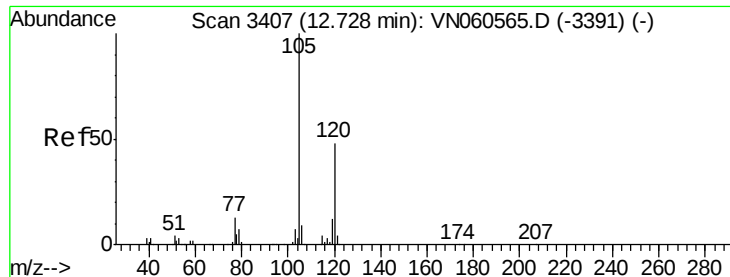
91 100

126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060712.D (-3376) (-)





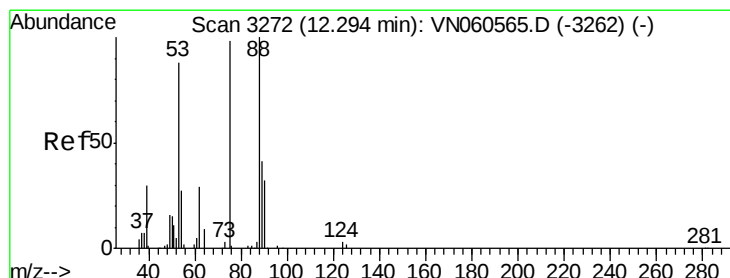
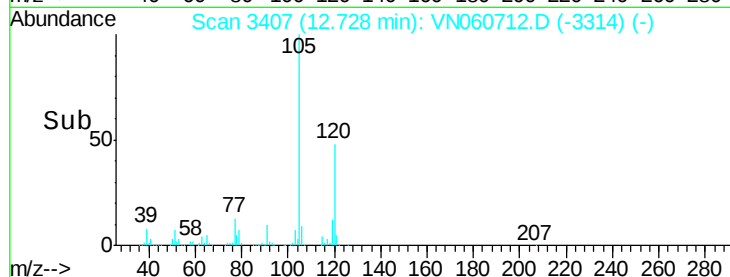
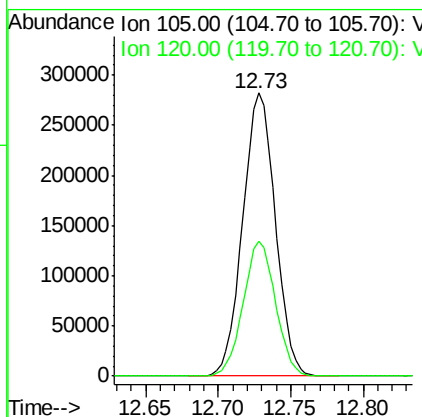
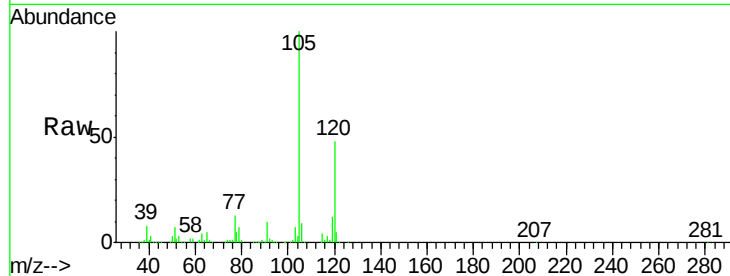
#80
 1,3,5-Trimethylbenzene
 Concen: 48.289 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion: 105 Resp: 441242
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7

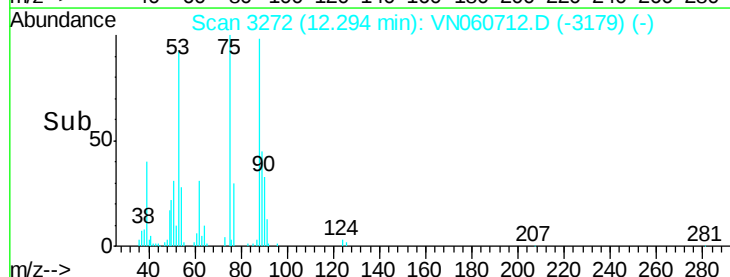
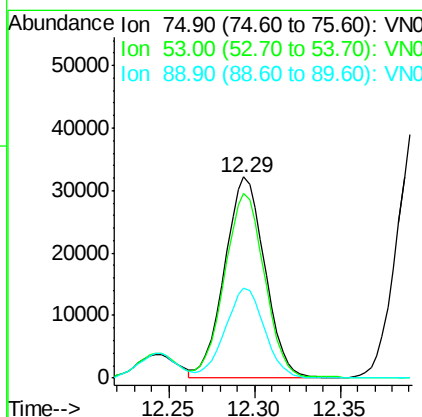
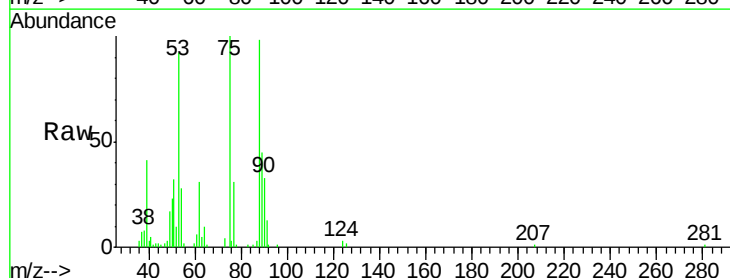
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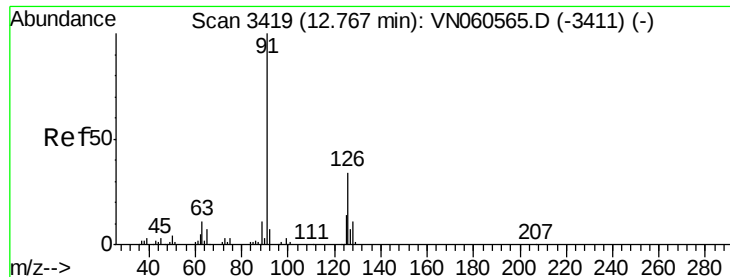
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.489 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion: 75 Resp: 52424
 Ion Ratio Lower Upper
 75 100
 53 91.5 73.0 109.4
 89 43.6 34.8 52.2





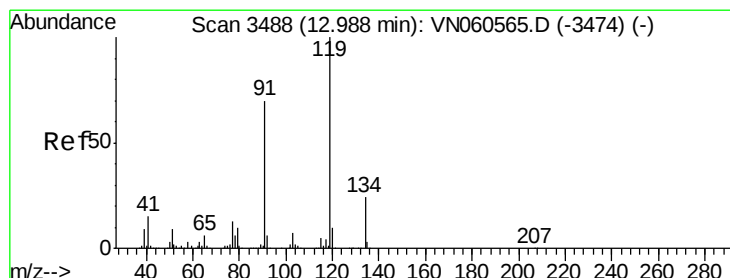
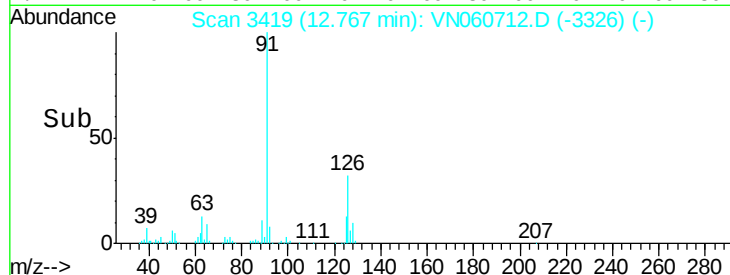
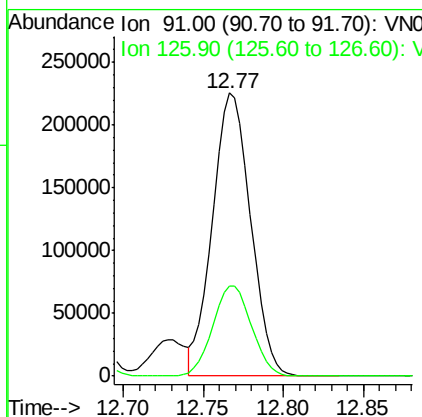
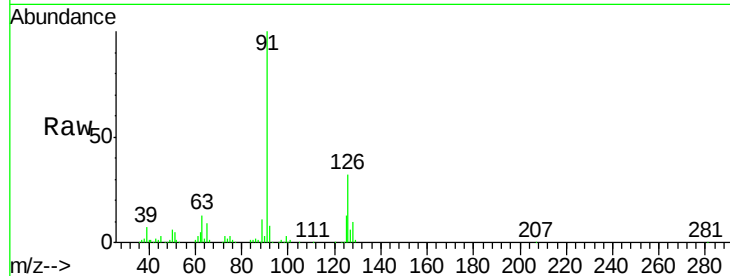
#82
4-Chlorotoluene
Concen: 47.929 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion: 91 Resp: 371037
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.5

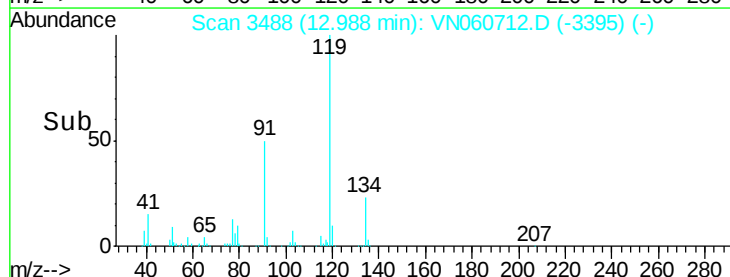
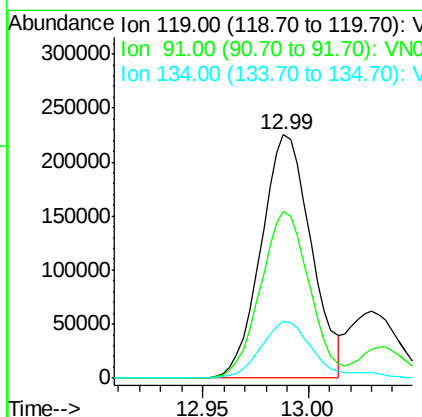
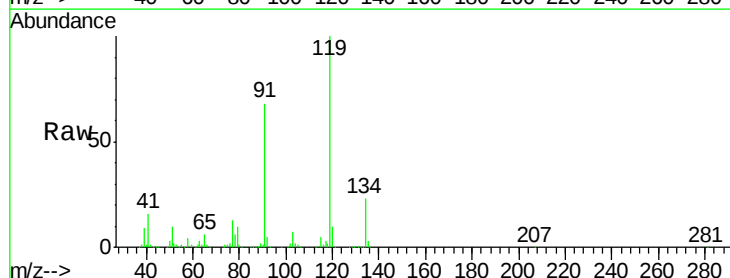
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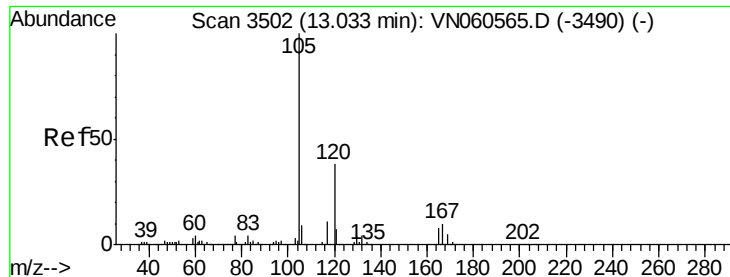
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#83
tert-Butylbenzene
Concen: 49.042 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion: 119 Resp: 371483
Ion Ratio Lower Upper
119 100
91 67.2 34.0 101.8
134 24.7 12.7 38.0





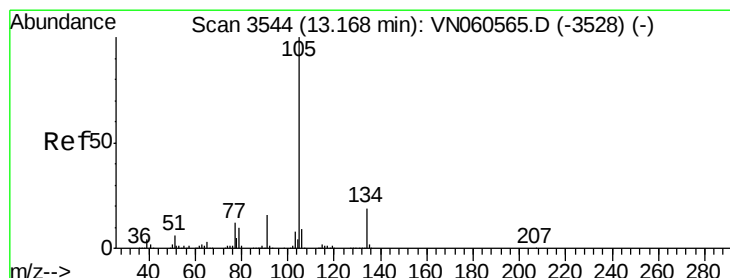
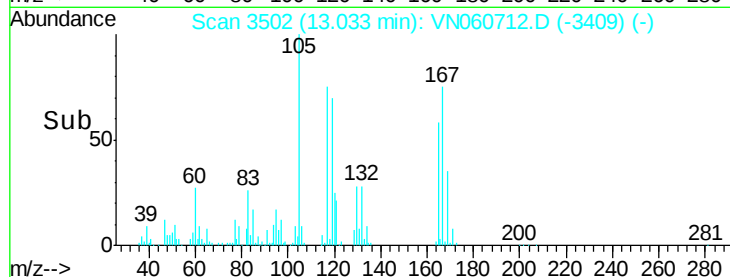
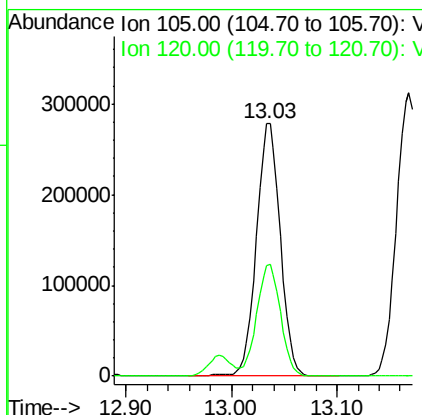
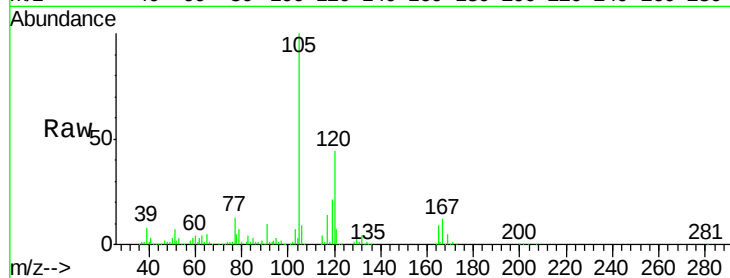
#84
 1,2,4-Trimethylbenzene
 Concen: 48.709 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5

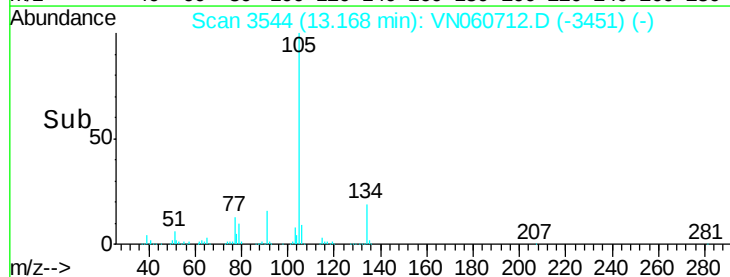
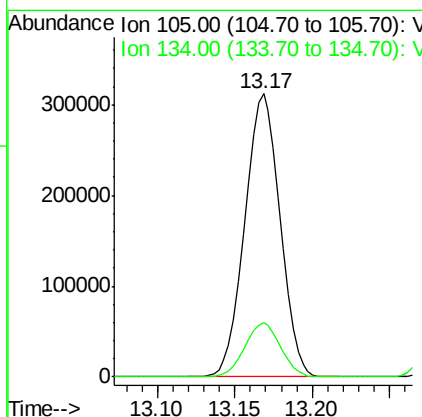
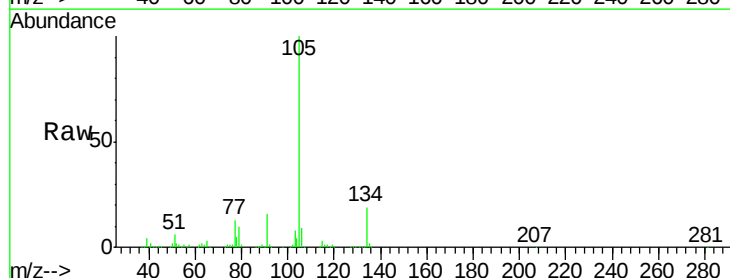
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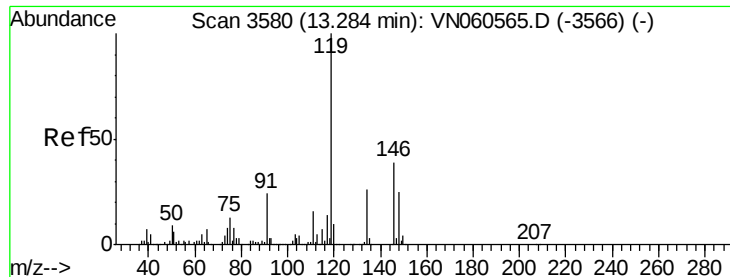
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#85
 sec-Butylbenzene
 Concen: 48.656 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8





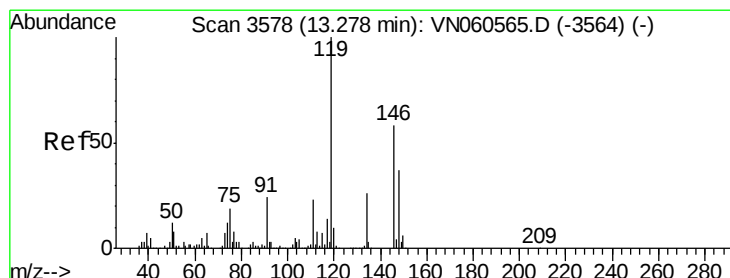
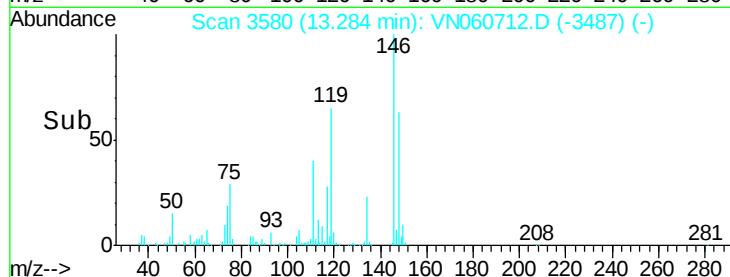
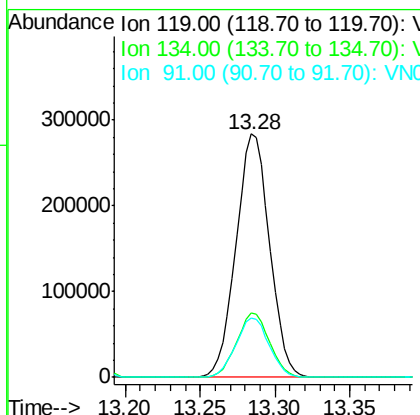
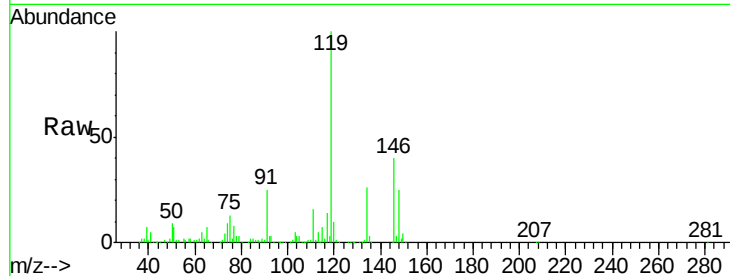
#86
 p-Isopropyltoluene
 Concen: 48.156 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.3	12.0	36.0

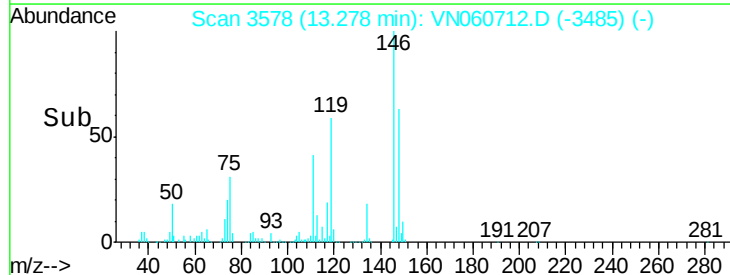
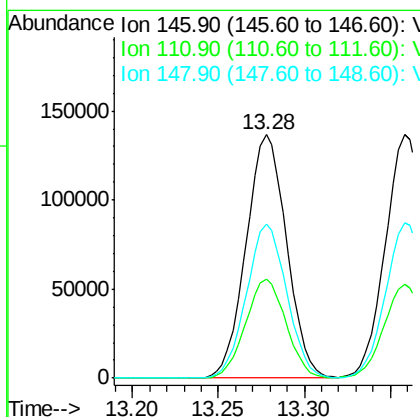
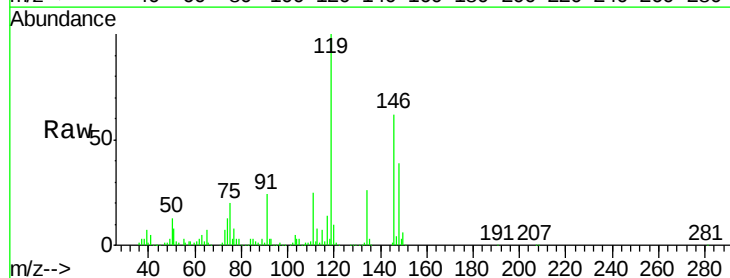
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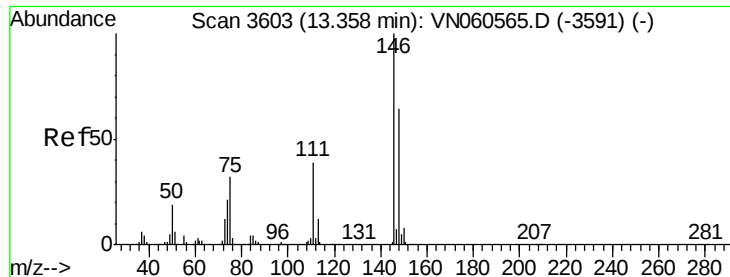
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#87
 1,3-Dichlorobenzene
 Concen: 48.798 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	62.8	32.5	97.4





#88

1,4-Dichlorobenzene

Concen: 48.445 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

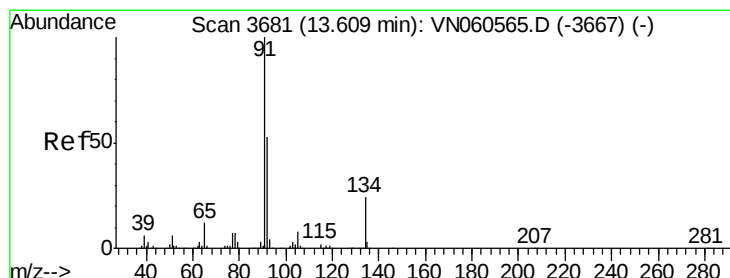
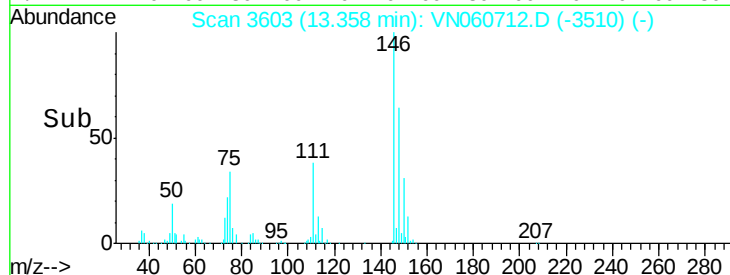
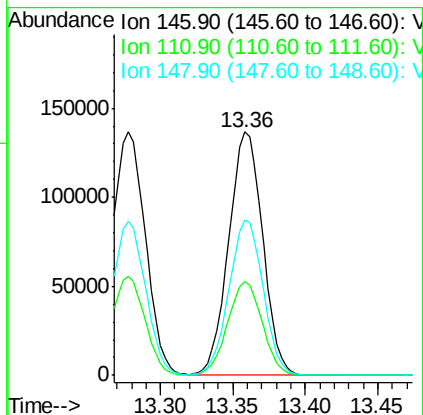
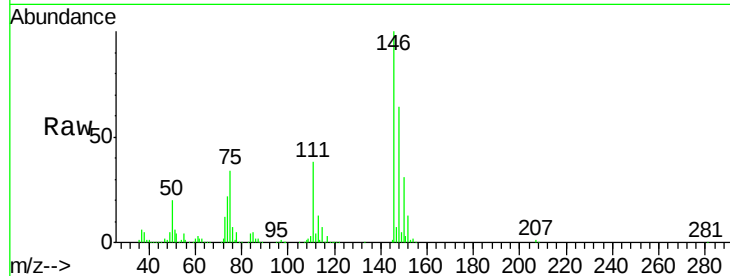
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	146	Resp:	222730
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.6	58.7
148	63.9	32.1	96.3

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#89

n-Butylbenzene

Concen: 47.523 ug/l

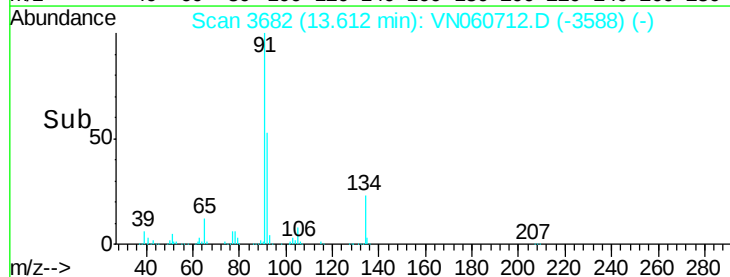
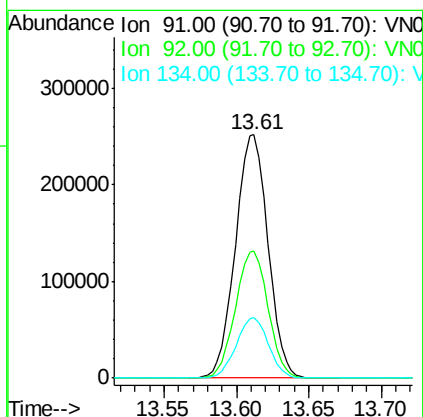
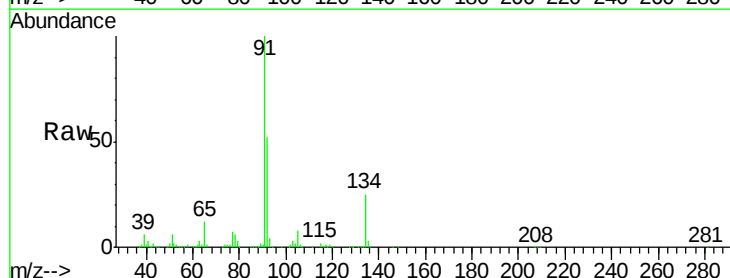
RT: 13.61 min Scan# 3682

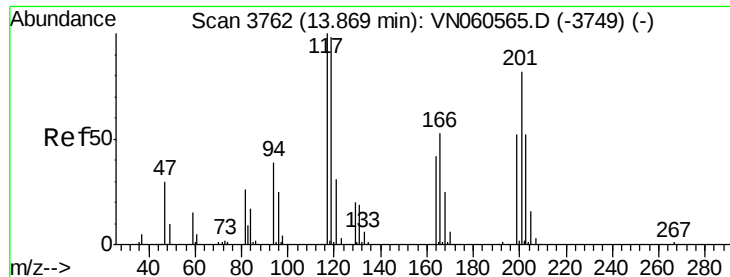
Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	91	Resp:	392995
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.2	78.5
134	24.5	12.3	36.9





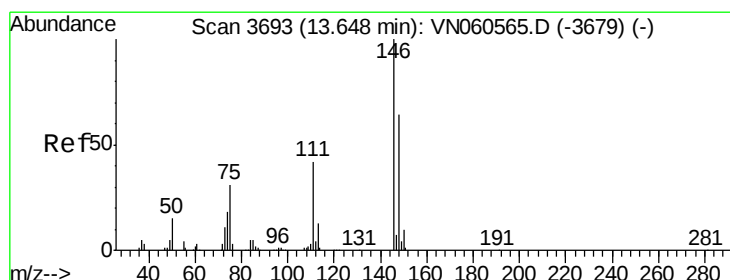
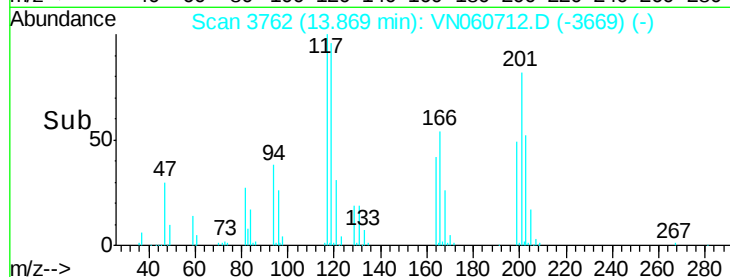
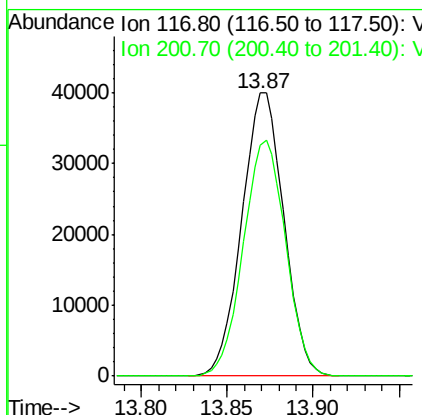
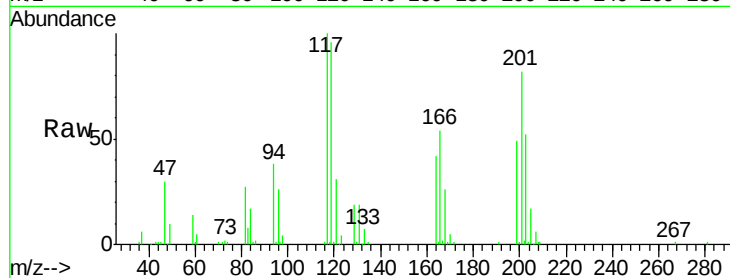
#90
Hexachloroethane
Concen: 50.923 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315MSD

Tot Ion:117 Resp: 67798
Ion Ratio Lower Upper
117 100
201 83.8 40.8 122.5

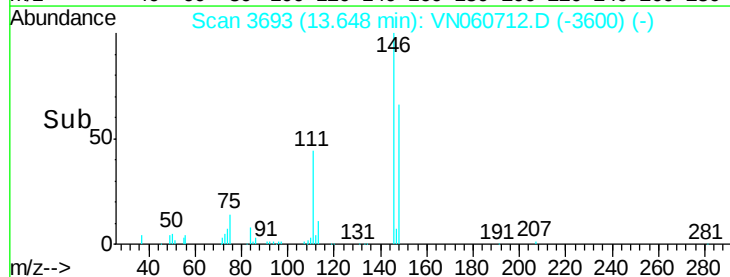
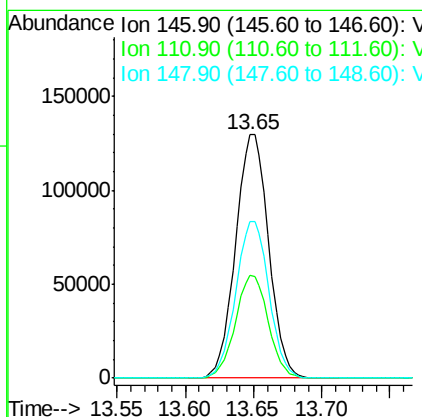
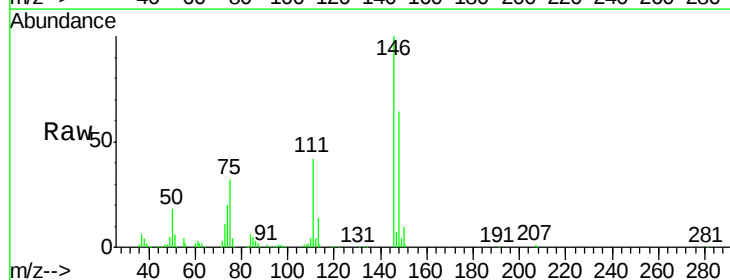
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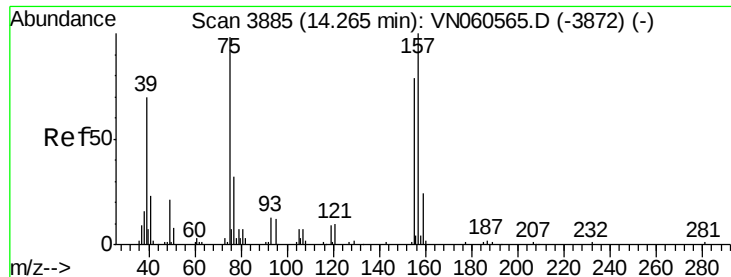
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#91
1,2-Dichlorobenzene
Concen: 49.862 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VN060712.D
Acq: 26 Mar 2020 14:18

Tgt Ion:146 Resp: 218177
Ion Ratio Lower Upper
146 100
111 41.8 21.0 63.0
148 64.5 31.9 95.5





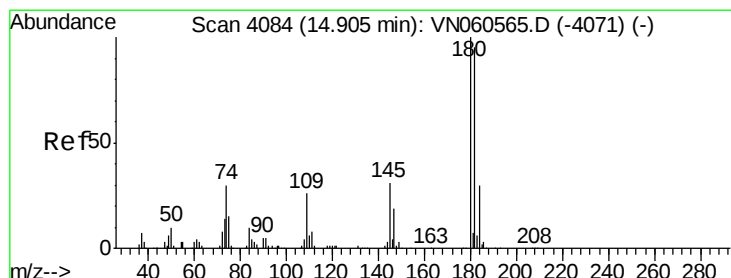
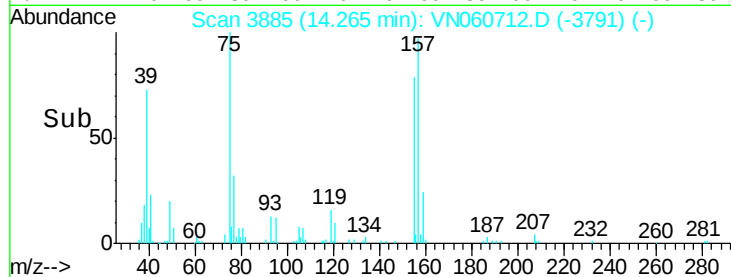
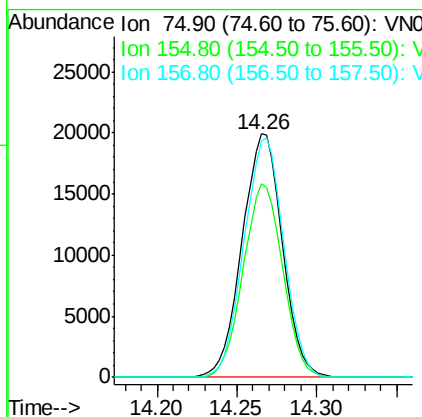
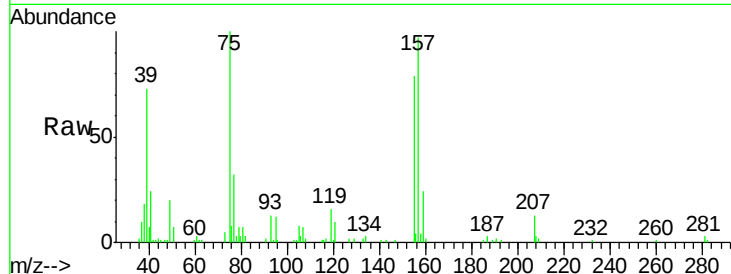
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.295 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	78.0	40.7	122.1
157	97.1	51.5	154.7

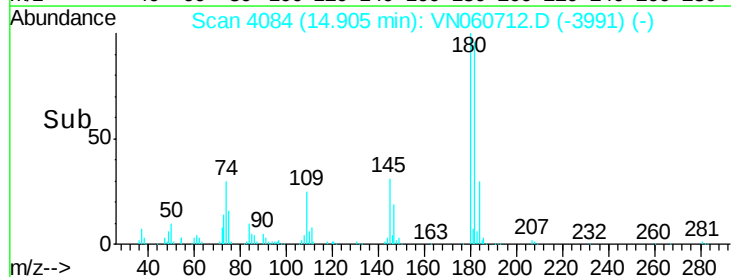
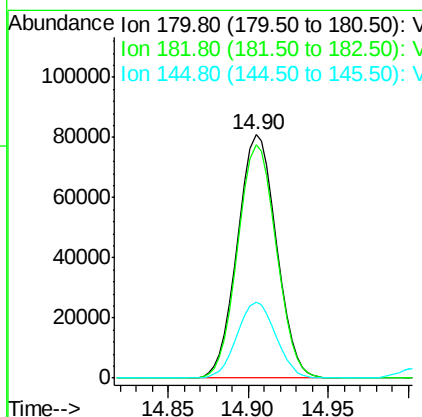
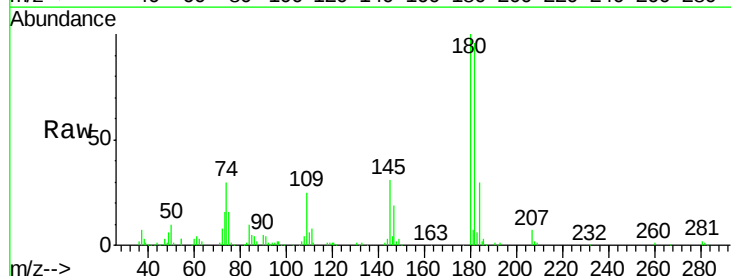
Manual Integrations
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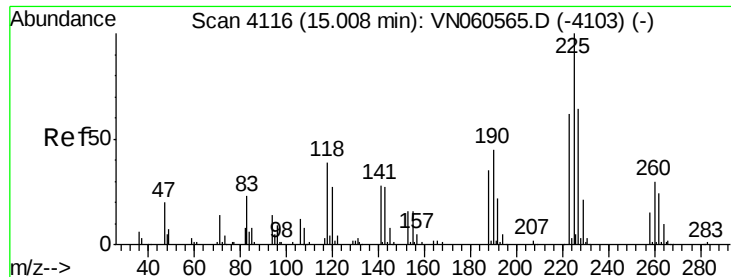
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#93
 1,2,4-Trichlorobenzene
 Concen: 49.940 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	31.2	15.4	46.2





#94

Hexachlorobutadiene

Concen: 47.523 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Instrument :

MSVOA_N

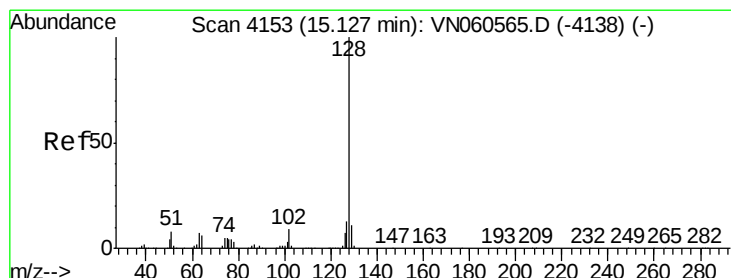
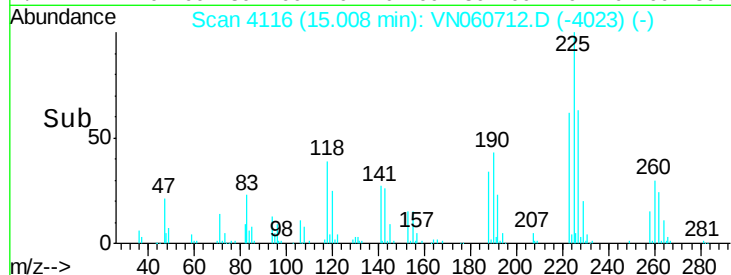
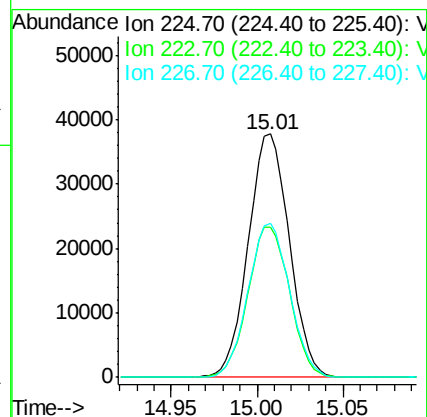
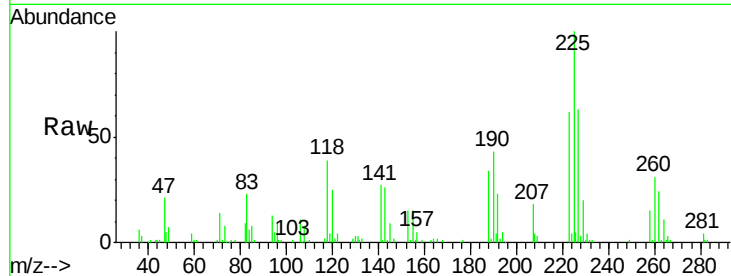
ClientSampleId :

MW203D-20200315MSD

Tot Ion:	225	Resp:	62600
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.6	95.0
227	64.0	32.3	96.8

Manual Integrations
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#95

Naphthalene

Concen: 49.928 ug/l

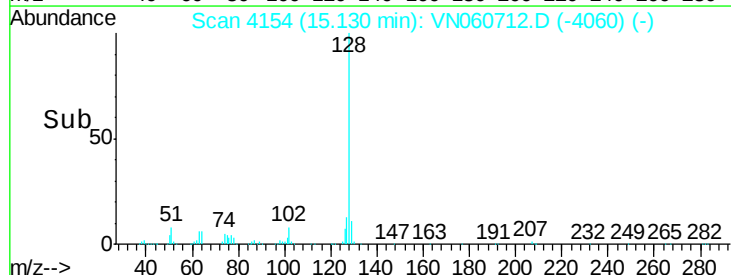
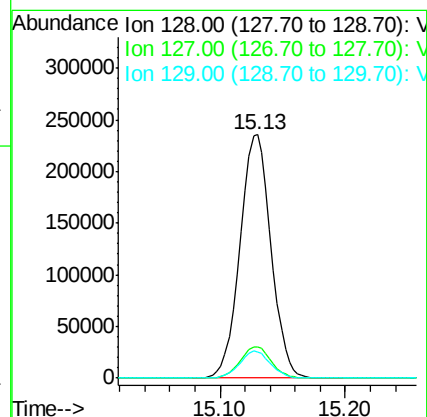
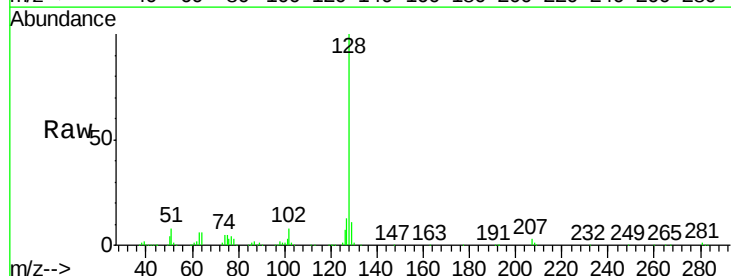
RT: 15.13 min Scan# 4154

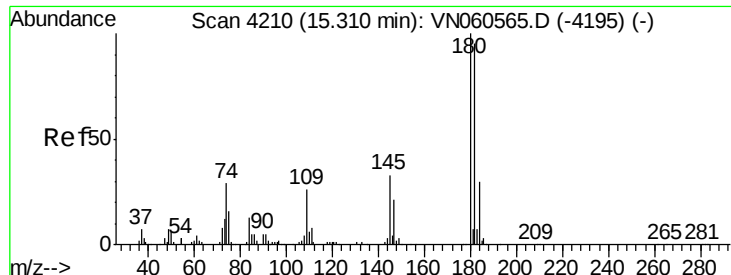
Delta R.T. 0.00 min

Lab File: VN060712.D

Acq: 26 Mar 2020 14:18

Tgt Ion:	128	Resp:	403523
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 48.853 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060712.D
 Acq: 26 Mar 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	47.5	142.6
145	31.5	16.3	48.8

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:26 AM

