

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059671.D
 Acq On : 19 Dec 2019 15:03
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:36 AM

Quant Time: Dec 20 03:29:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	253778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	371236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	162130	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	7.57	113	112427	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	10.08	98	444141	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
62) 4-Bromofluorobenzene	12.40	95	156127	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79954	24.381	ug/l	98
3) Chloromethane	2.04	50	86321	16.587	ug/l	100
4) Vinyl Chloride	2.17	62	83758	16.972	ug/l	96
5) Bromomethane	2.54	94	60807	21.195	ug/l	98
6) Chloroethane	2.68	64	59118	21.315	ug/l	97
7) Trichlorofluoromethane	3.00	101	93895	17.341	ug/l	97
8) Diethyl Ether	3.39	74	43646	25.799	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	66021	24.196	ug/l	99
10) Methyl Iodide	3.92	142	98906	27.380	ug/l	97
11) Tert butyl alcohol	4.76	59	90166	133.181	ug/l	98
12) 1,1-Dichloroethene	3.71	96	62035	23.306	ug/l	92
13) Acrolein	3.58	56	45302	93.936	ug/l	100
14) Allyl chloride	4.29	41	148449	27.167	ug/l	94
15) Acrylonitrile	4.96	53	243570	148.734	ug/l	99
16) Acetone	3.79	43	188923	86.169	ug/l	99
17) Carbon Disulfide	4.02	76	244548	26.850	ug/l	100
18) Methyl Acetate	4.29	43	128633	27.999	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	257520	27.401	ug/l	100
20) Methylene Chloride	4.52	84	81991	25.894	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	77939	26.265	ug/l	98
22) Diisopropyl ether	5.92	45	236801	23.506	ug/l	96
23) Vinyl Acetate	5.86	43	997121	126.127	ug/l	99
24) 1,1-Dichloroethane	5.82	63	129617	22.714	ug/l	100
25) 2-Butanone	6.81	43	259613	99.022	ug/l	99
26) 2,2-Dichloropropane	6.80	77	117214	22.600	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	73701	22.414	ug/l	98
28) Bromochloromethane	7.17	49	56492	23.807	ug/l	97
29) Tetrahydrofuran	7.19	42	177488	111.110	ug/l	98
30) Chloroform	7.35	83	125905	22.415	ug/l	98
31) Cyclohexane	7.63	56	117214	21.739	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	111573	22.032	ug/l	99
36) 1,1-Dichloropropene	7.77	75	96084	22.933	ug/l	98
37) Ethyl Acetate	6.90	43	109982	22.586	ug/l	100
38) Carbon Tetrachloride	7.75	117	96287	22.147	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107991	22.724	ug/l	98
40) Benzene	8.02	78	277828	22.691	ug/l	99
41) Methacrylonitrile	7.15	41	35787m	17.807	ug/l	
42) 1,2-Dichloroethane	8.10	62	107552	22.937	ug/l	100
43) Isopropyl Acetate	8.14	43	173738	22.948	ug/l	100
44) Trichloroethene	8.82	130	71006	22.140	ug/l	99
45) 1,2-Dichloropropane	9.10	63	75637	22.876	ug/l	99
46) Dibromomethane	9.19	93	48309	22.302	ug/l	98
47) Bromodichloromethane	9.39	83	98782	22.873	ug/l	99
48) Methyl methacrylate	9.18	41	76460	22.260	ug/l	99
49) 1,4-Dioxane	9.19	88	20066	407.647	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	535217	118.570	ug/l	100
52) Toluene	10.14	92	166446	22.125	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	112513	22.526	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	117506	22.381	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	67554	22.883	ug/l	98
56) Ethyl methacrylate	10.42	69	98883	22.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	119810	23.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160006	114.798	ug/l	99
59) 2-Hexanone	10.74	43	392282	110.267	ug/l	98
60) Dibromochloromethane	10.89	129	72708	22.566	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68649	21.927	ug/l	99
64) Tetrachloroethene	10.62	164	67968	19.640	ug/l	99
65) Chlorobenzene	11.43	112	176455	21.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	67954	22.272	ug/l	99
67) Ethyl Benzene	11.50	91	323885	22.338	ug/l	100
68) m/p-Xylenes	11.62	106	235222	43.933	ug/l	100
69) o-Xylene	11.94	106	113449	22.269	ug/l	99
70) Styrene	11.96	104	175506	21.442	ug/l	98
71) Bromoform	12.12	173	50729	22.119	ug/l #	98
73) Isopropylbenzene	12.25	105	294432	22.016	ug/l	100
74) N-amyl acetate	12.07	43	131491	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96932	22.849	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97778m	23.184	ug/l	
77) Bromobenzene	12.52	156	71609	21.773	ug/l	99
78) n-propylbenzene	12.59	91	357065	22.586	ug/l	100
79) 2-Chlorotoluene	12.67	91	210053	21.973	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255622	22.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36795	21.548	ug/l	98
82) 4-Chlorotoluene	12.77	91	214377	21.902	ug/l	99
83) tert-Butylbenzene	12.99	119	213324	22.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255938	22.743	ug/l	100
85) sec-Butylbenzene	13.17	105	291875	22.893	ug/l	98
86) p-Isopropyltoluene	13.28	119	256843	22.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126268	20.878	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	125932	20.653	ug/l	99
89) n-Butylbenzene	13.61	91	228585	21.115	ug/l	99
90) Hexachloroethane	13.87	117	49218	22.550	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	124112	20.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	22813	20.278	ug/l	92

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QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69496	18.044	ug/l	97
94) Hexachlorobutadiene	15.00	225	39821	20.085	ug/l	99
95) Naphthalene	15.12	128	205242	17.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	71706	18.408	ug/l	99

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

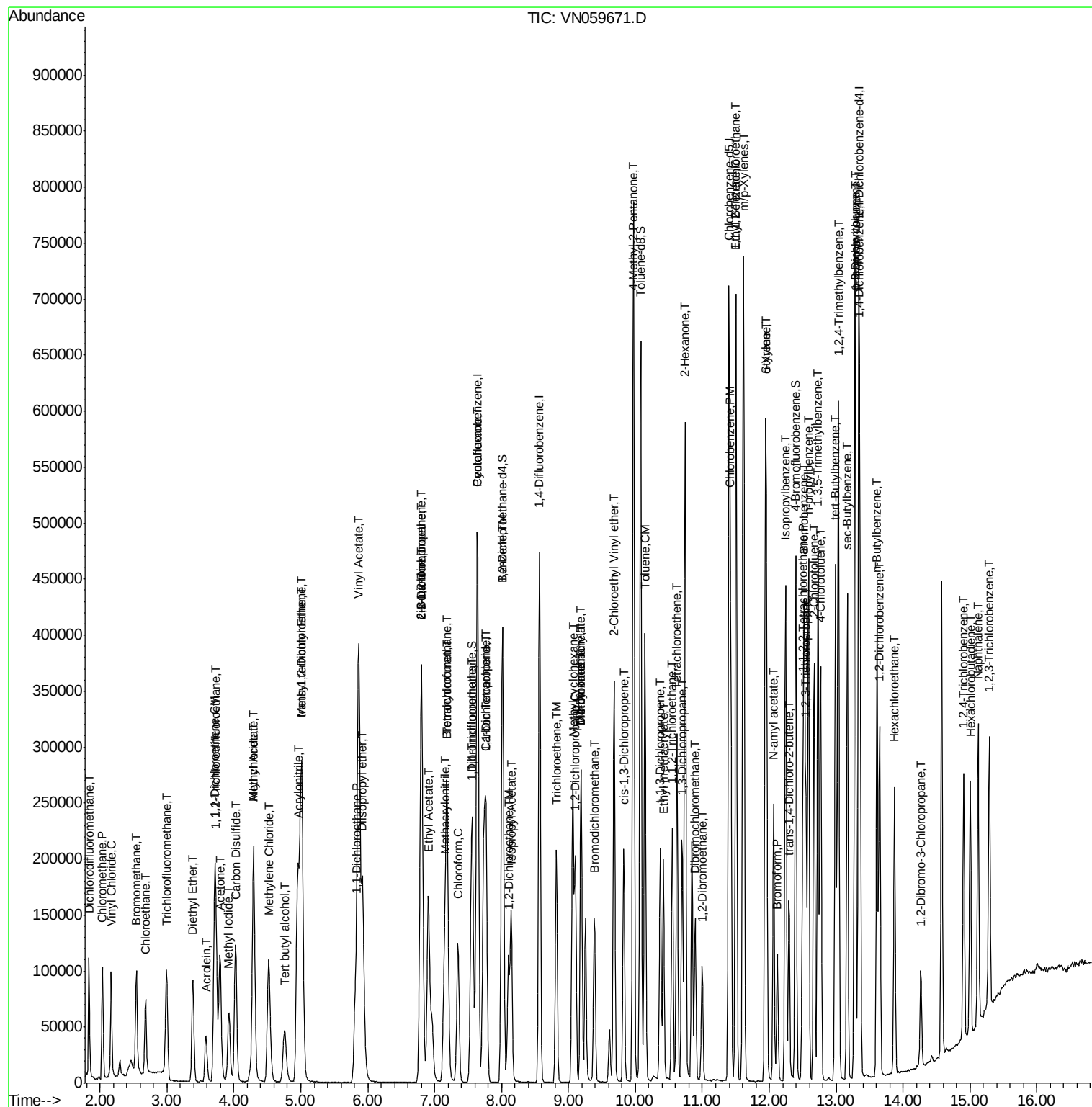
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 Data File : VN059671.D
 Acq On : 19 Dec 2019 15:03
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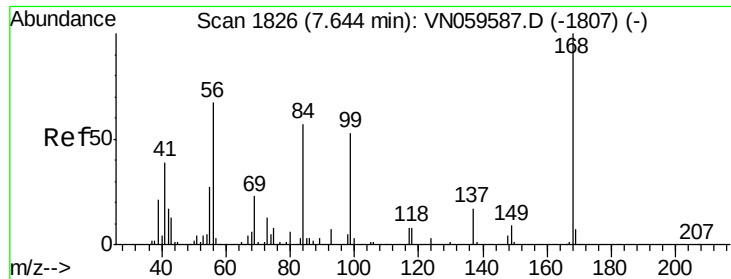
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1219WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:168 Resp: 253778

Ion Ratio Lower Upper

168 100

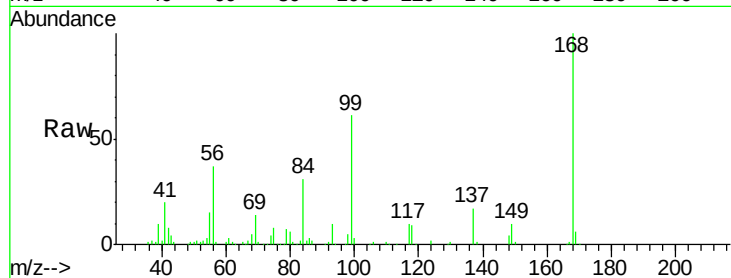
99 60.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

60000

40000

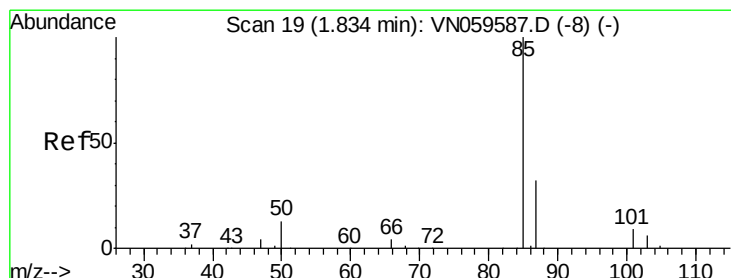
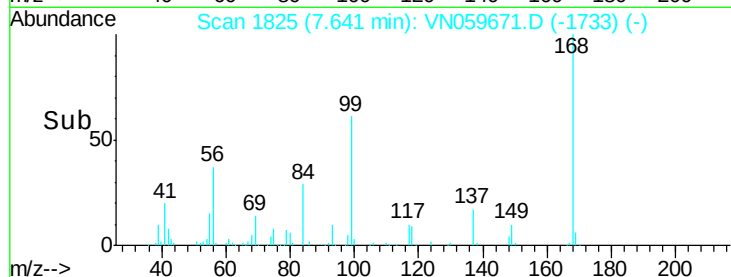
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 24.381 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059671.D

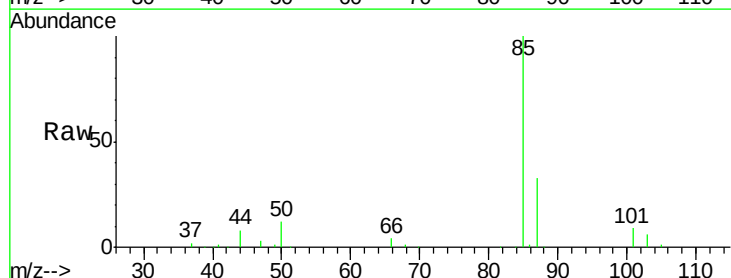
Acq: 19 Dec 2019 15:03

Tgt Ion: 85 Resp: 79954

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

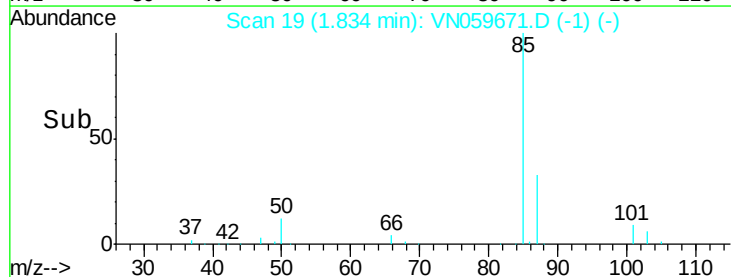
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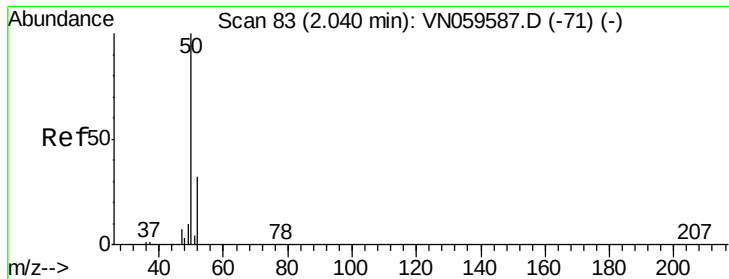
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.587 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 50 Resp: 86321

Ion Ratio Lower Upper

50 100

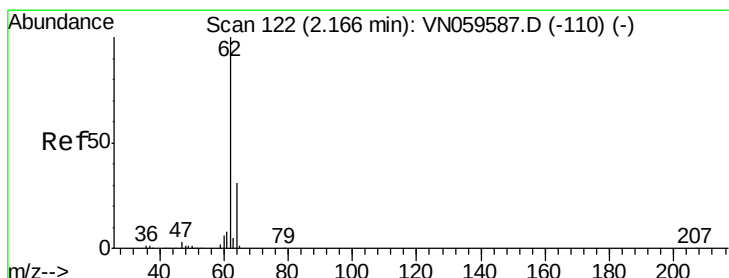
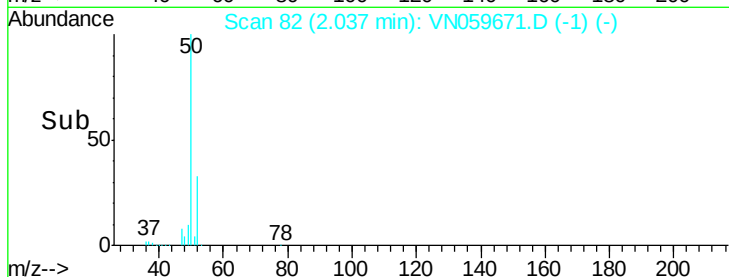
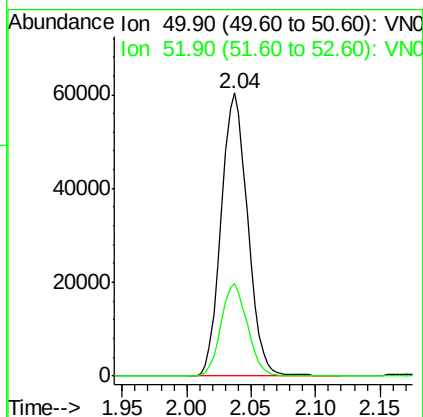
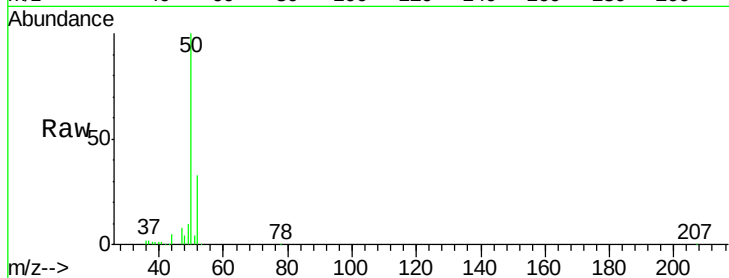
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.972 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059671.D

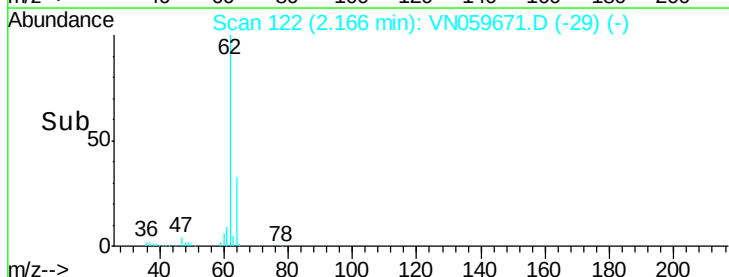
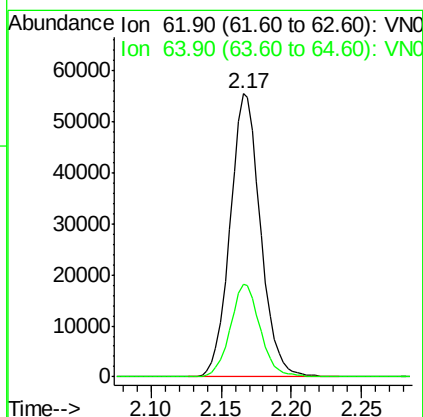
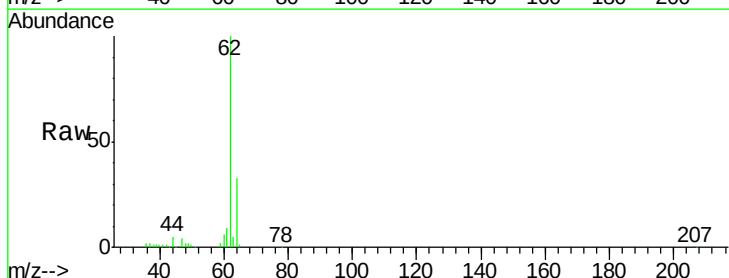
Acq: 19 Dec 2019 15:03

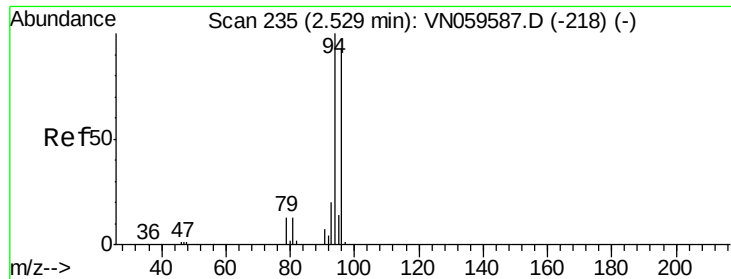
Tgt Ion: 62 Resp: 83758

Ion Ratio Lower Upper

62 100

64 32.9 24.6 37.0





#5

Bromomethane

Concen: 21.195 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

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Tot Ion: 94 Resp: 60807

Ion Ratio Lower Upper

94 100

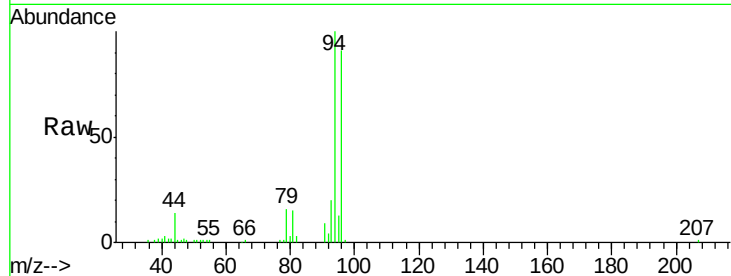
96 91.0 74.7 112.1

Manual Integrations

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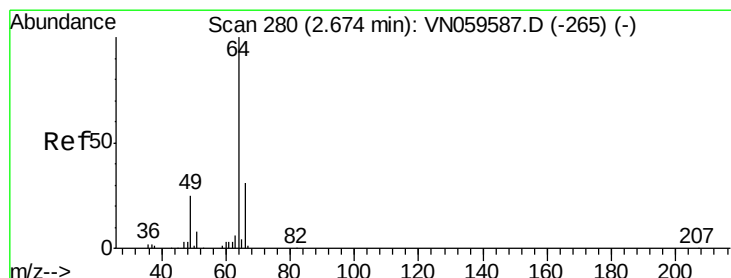
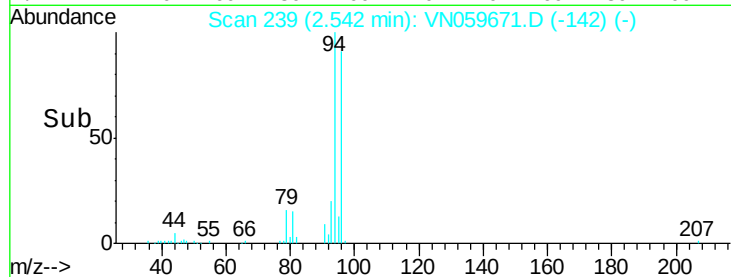
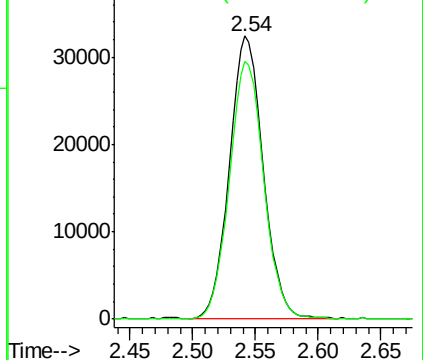
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.315 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059671.D

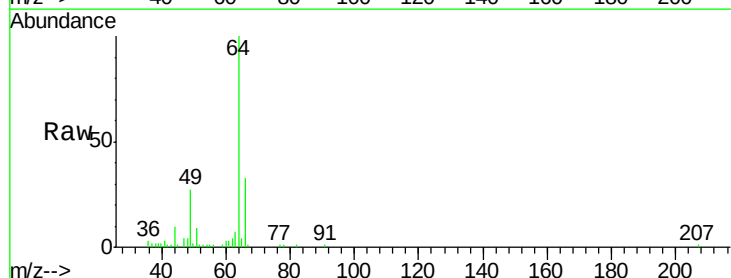
Acq: 19 Dec 2019 15:03

Tgt Ion: 64 Resp: 59118

Ion Ratio Lower Upper

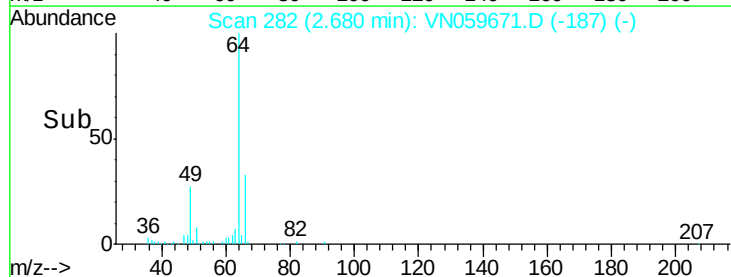
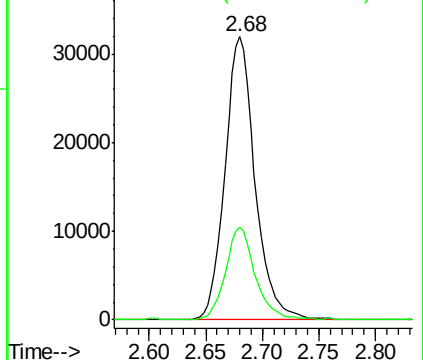
64 100

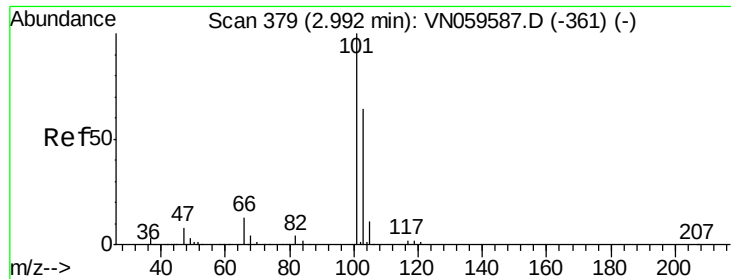
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

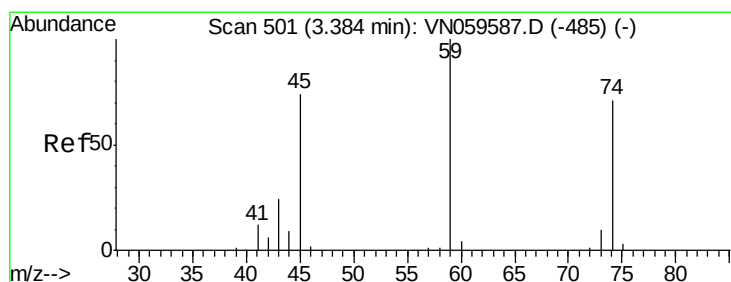
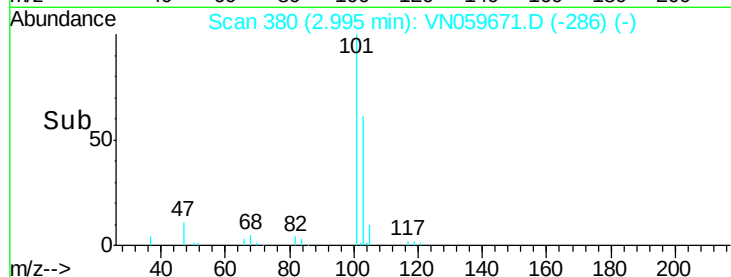
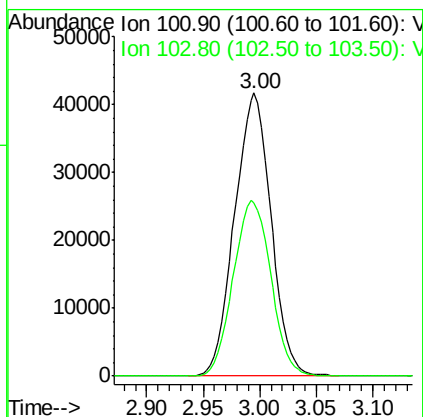
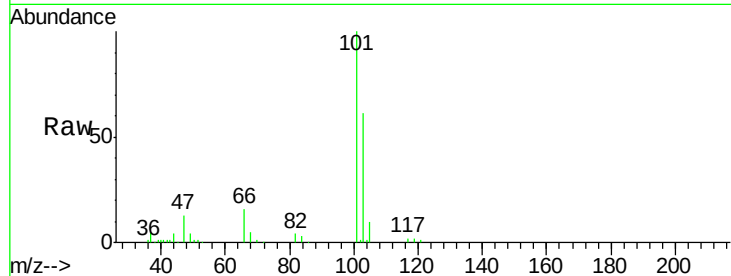
Trichlorofluoromethane
Concen: 17.341 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93895		
103	61.3	51.0	76.6		

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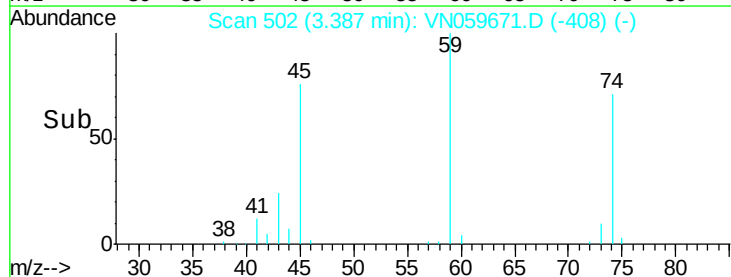
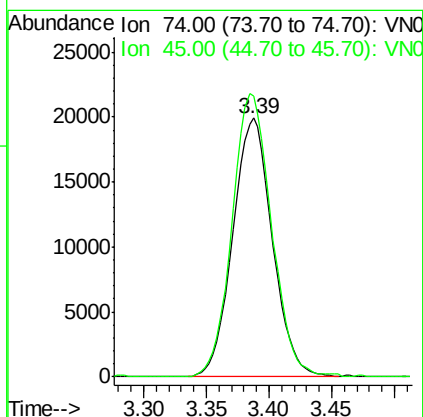
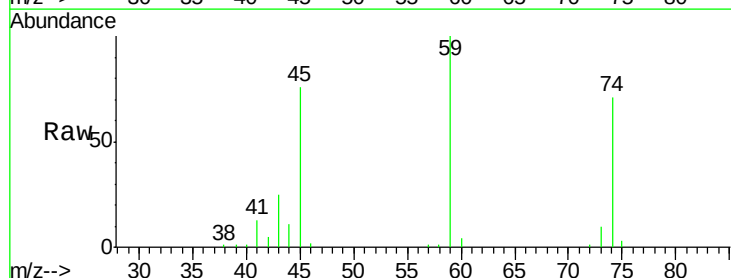
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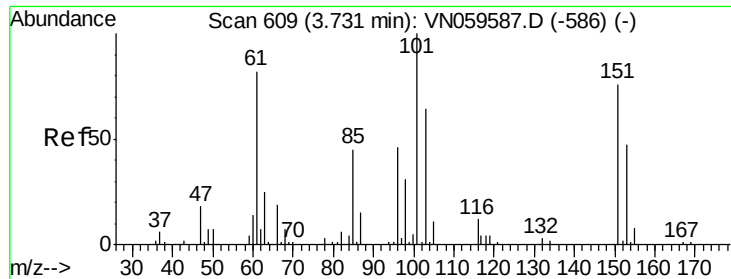


#8

Diethyl Ether
Concen: 25.799 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		43646		
45	109.0	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.196 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

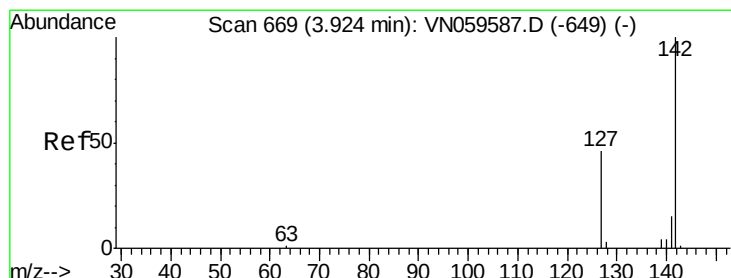
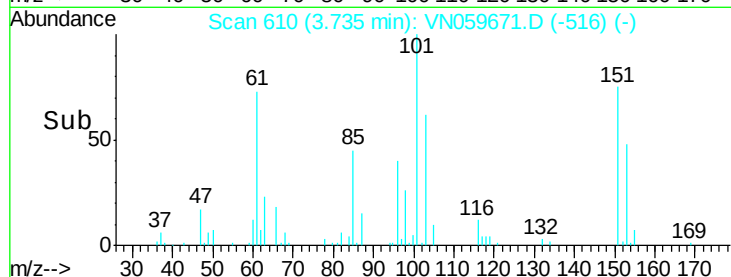
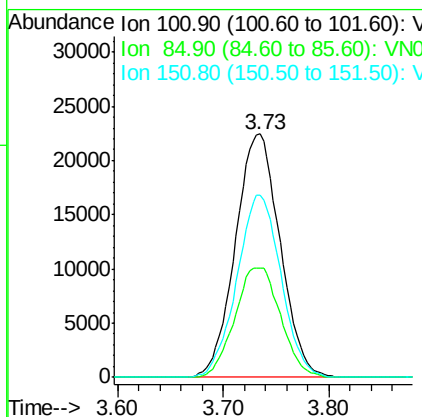
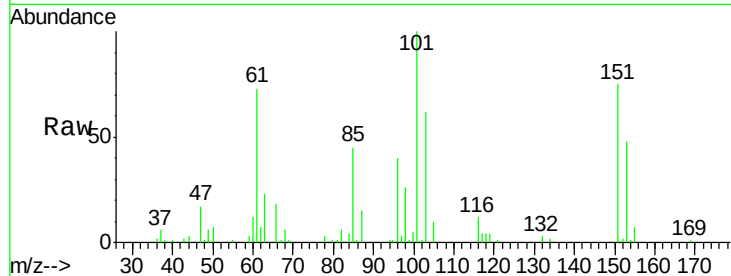
ClientSampleId :

VN1219WBSD01

Tot Ion:	101	Resp:	66021
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.6	54.8
151	74.1	59.7	89.5

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#10

Methyl Iodide

Concen: 27.380 ug/l

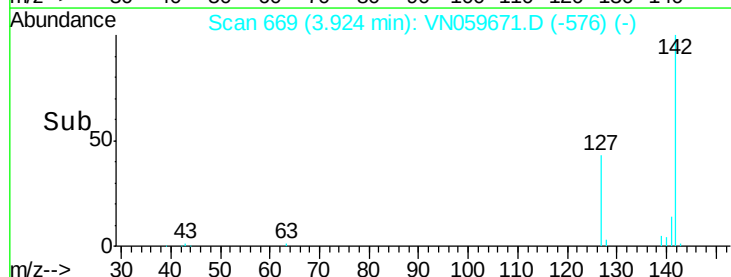
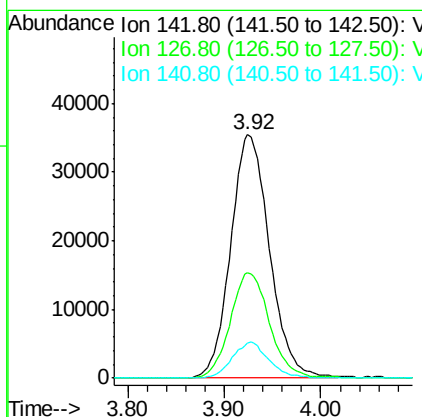
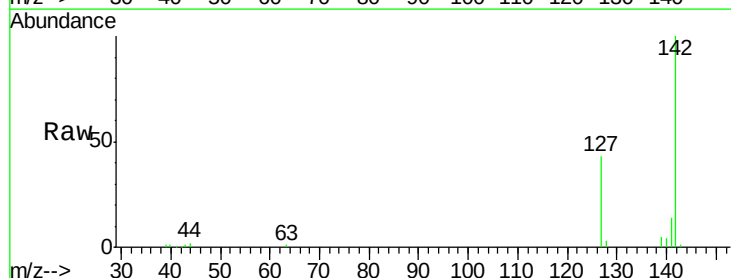
RT: 3.92 min Scan# 669

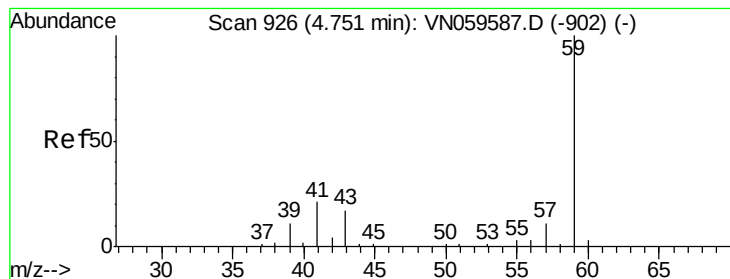
Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion:	142	Resp:	98906
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.7	55.1
141	13.8	11.7	17.5





#11

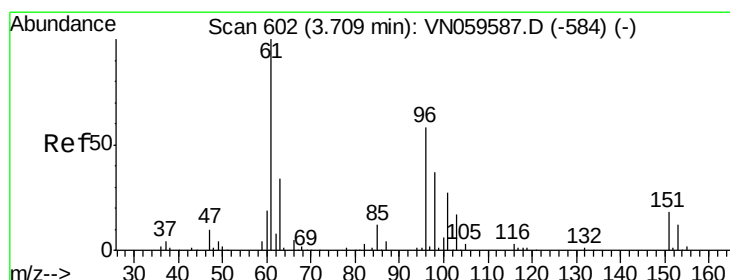
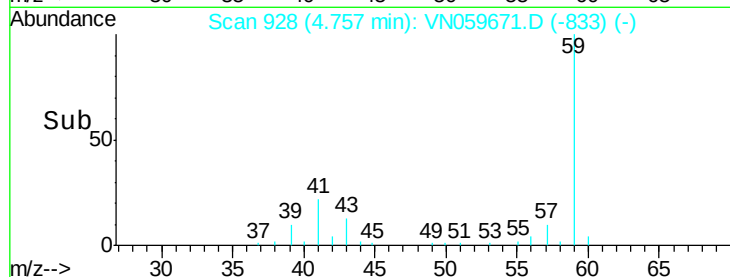
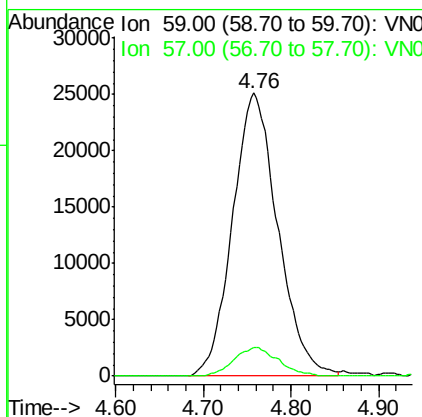
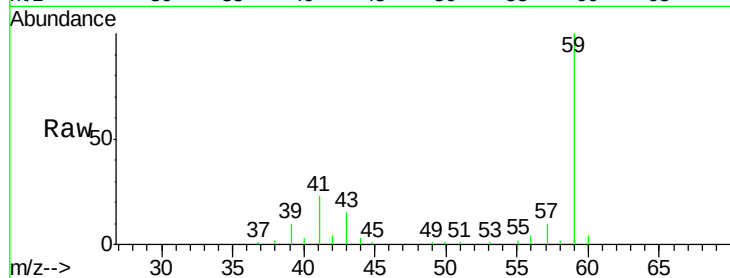
Tert butyl alcohol
 Concen: 133.181 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		90166		
57	9.9		8.6	12.8	

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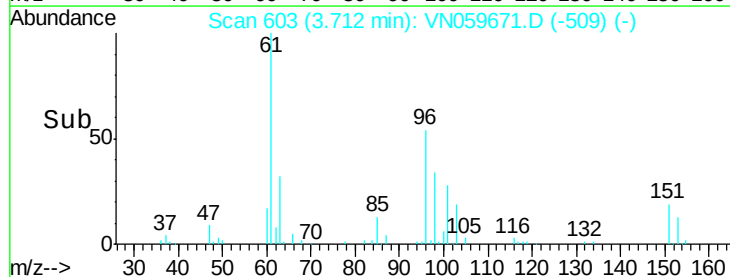
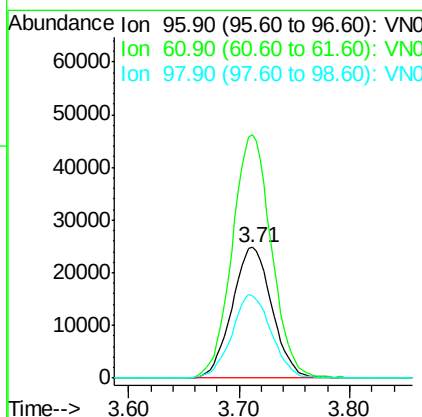
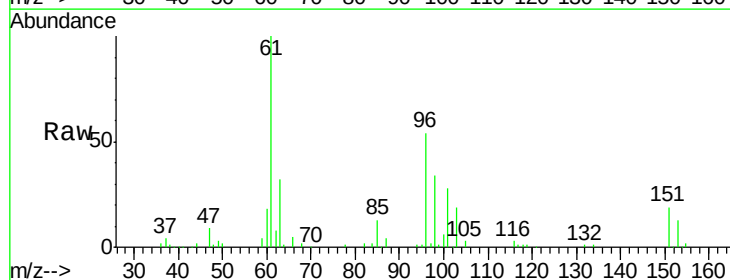
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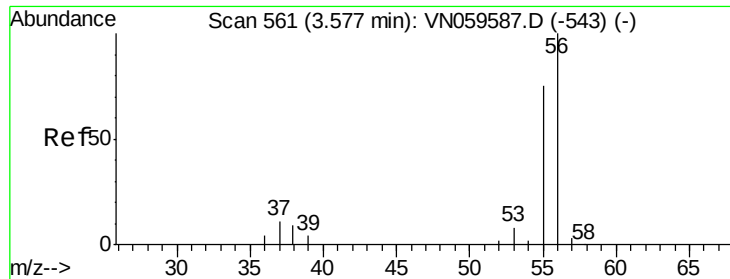


#12

1,1-Dichloroethene
 Concen: 23.306 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		62035		
61	186.0		137.5	206.3	
98	62.8		50.2	75.4	





#13

Acrolein

Concen: 93.936 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 56 Resp: 45302

Ion Ratio Lower Upper

56 100

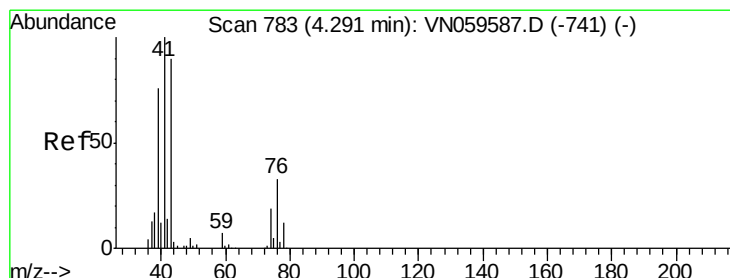
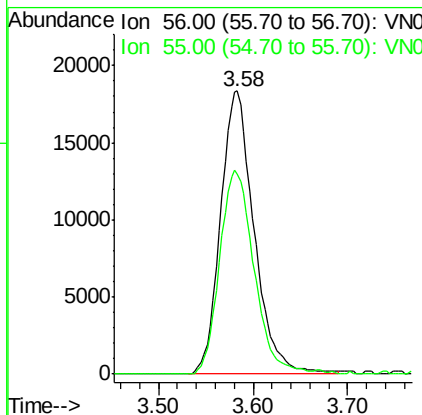
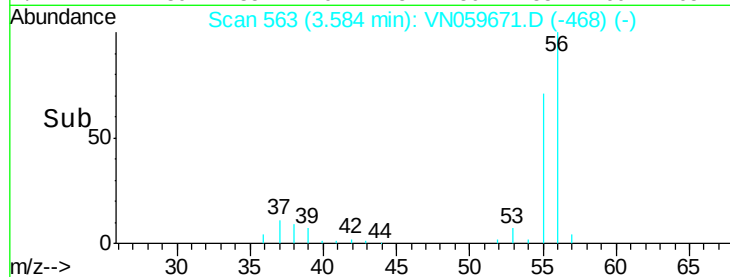
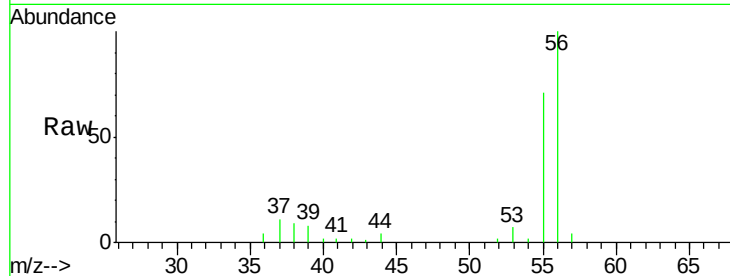
55 73.5 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 27.167 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

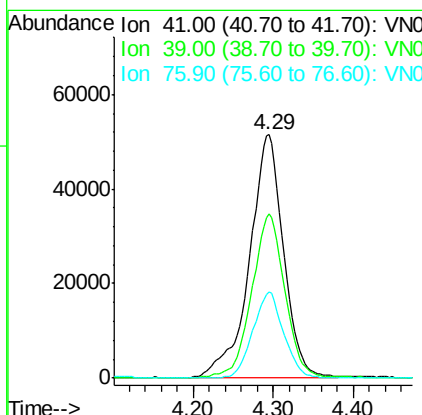
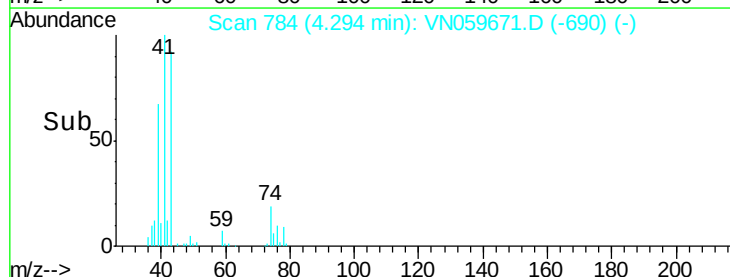
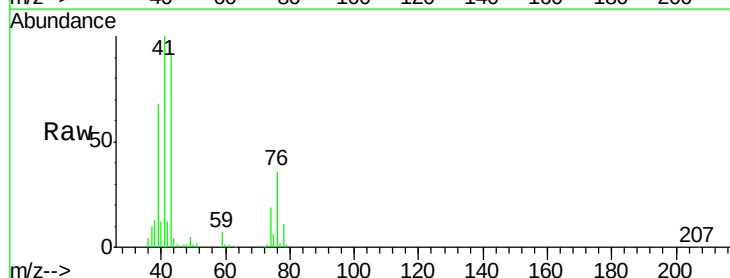
Tgt Ion: 41 Resp: 148449

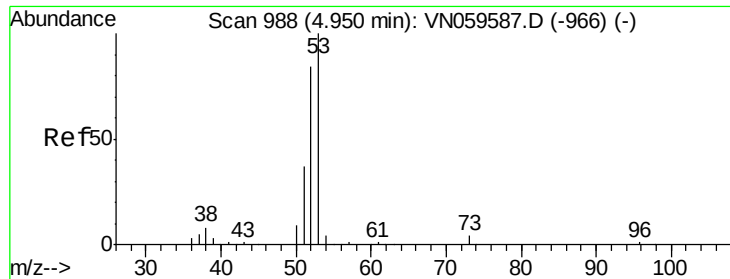
Ion Ratio Lower Upper

41 100

39 65.2 57.8 86.8

76 32.2 25.4 38.0





#15

Acrylonitrile

Concen: 148.734 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

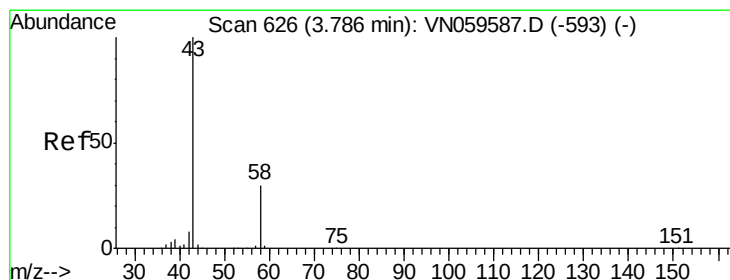
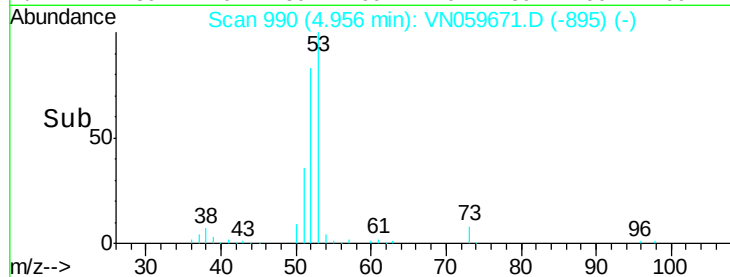
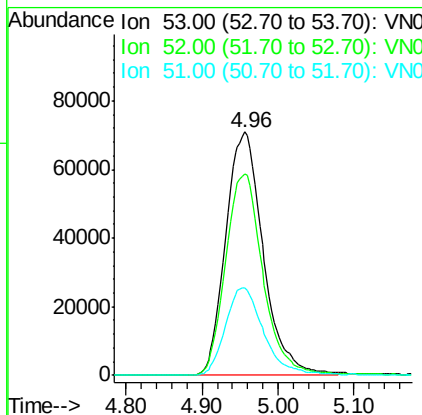
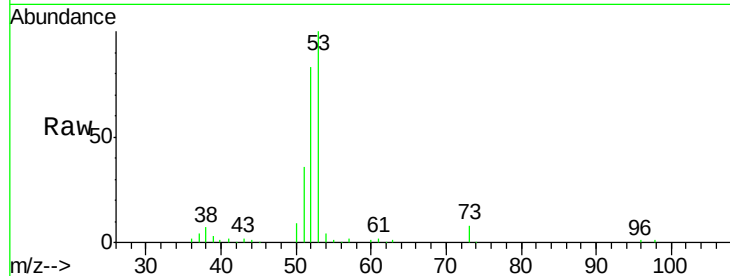
ClientSampleId :

VN1219WBSD01

Tot Ion:	53	Resp:	243570
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 86.169 ug/l

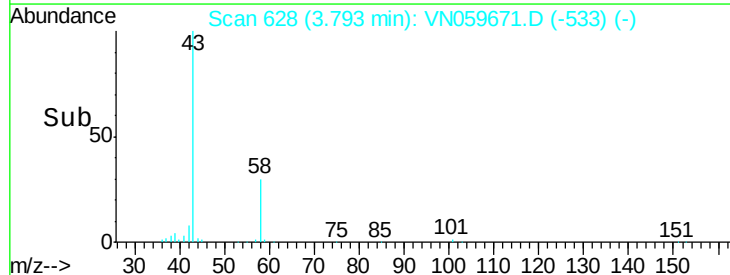
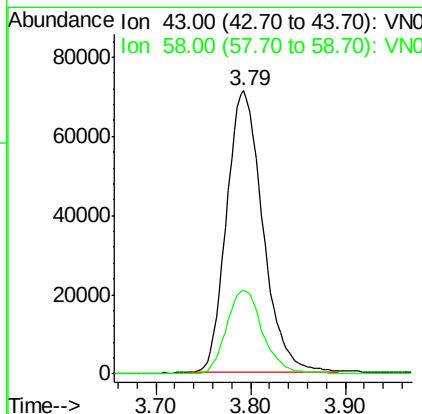
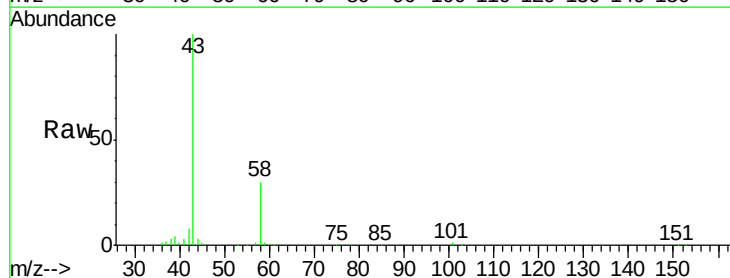
RT: 3.79 min Scan# 628

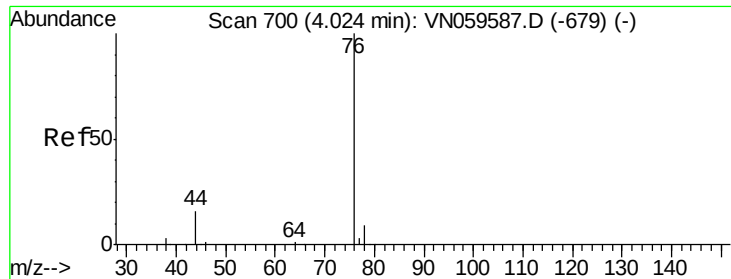
Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion:	43	Resp:	188923
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.6	35.4





#17

Carbon Disulfide

Concen: 26.850 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 76 Resp: 244548

Ion Ratio Lower Upper

76 100

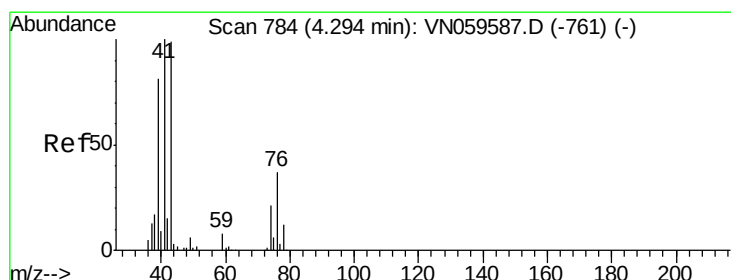
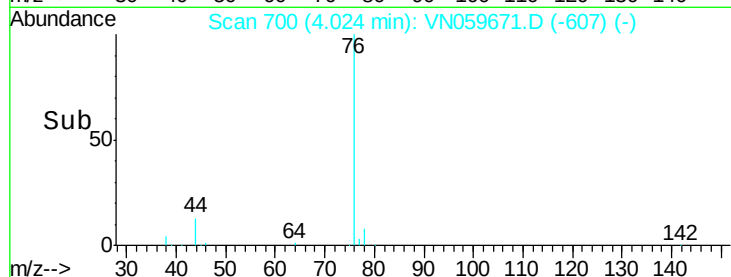
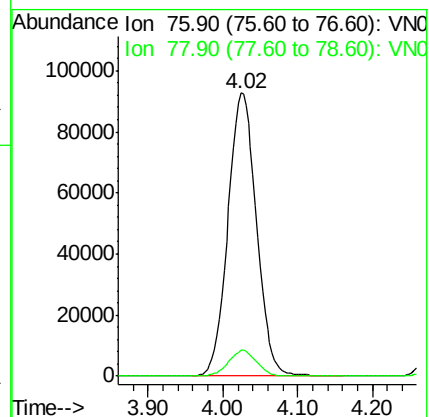
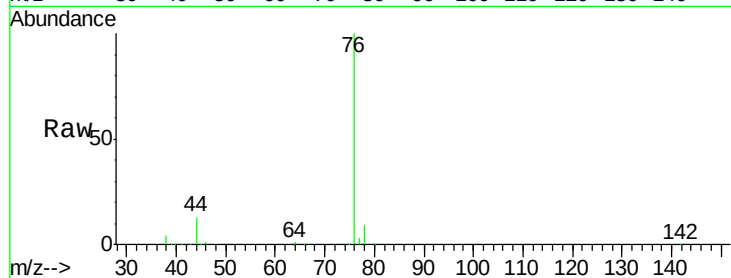
78 9.1 7.4 11.0

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#18

Methyl Acetate

Concen: 27.999 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059671.D

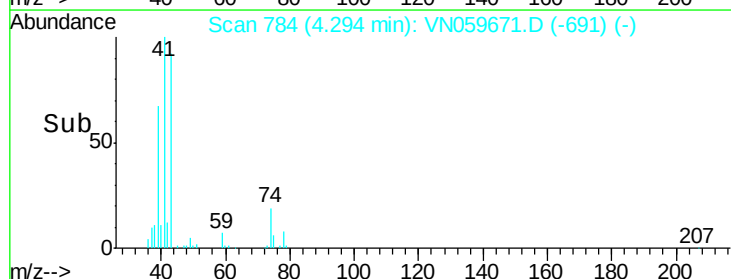
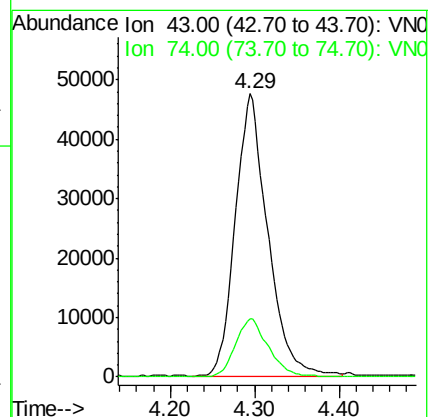
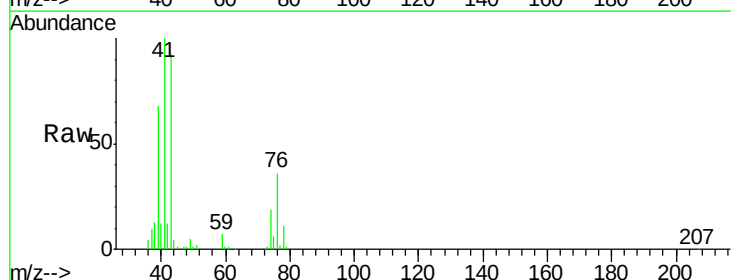
Acq: 19 Dec 2019 15:03

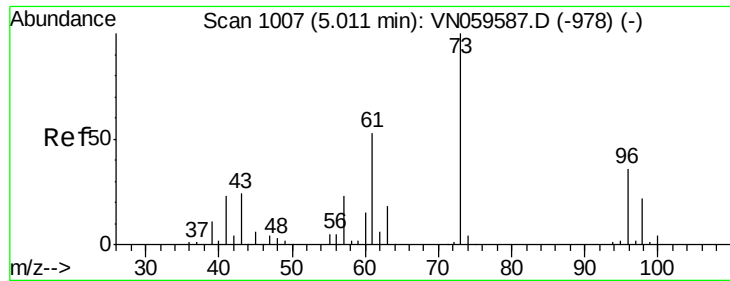
Tgt Ion: 43 Resp: 128633

Ion Ratio Lower Upper

43 100

74 20.6 17.5 26.3





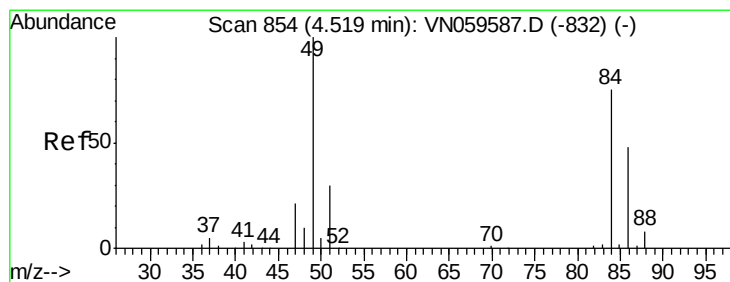
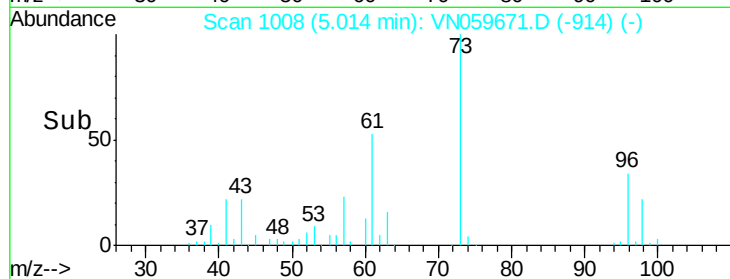
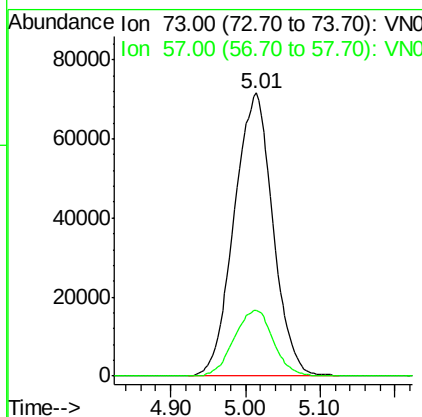
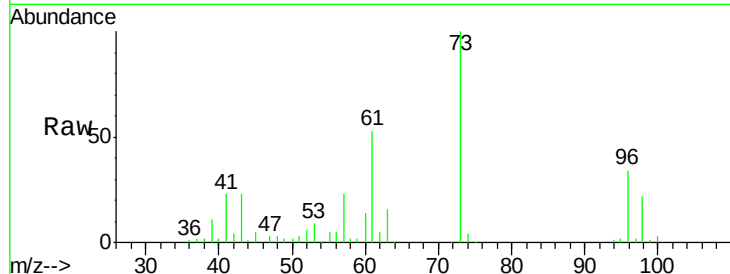
#19
Methyl tert-butyl Ether
Concen: 27.401 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 73 Resp: 257520
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8

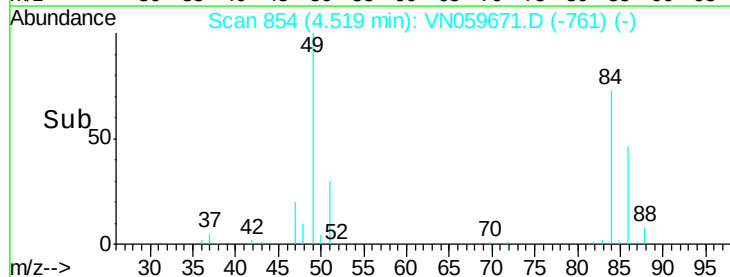
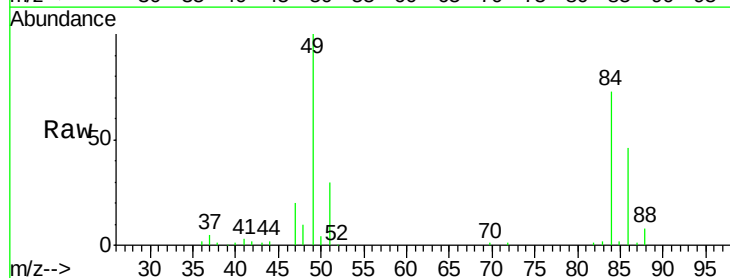
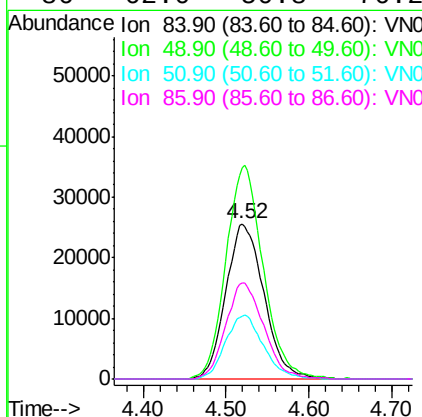
Manual Integrations
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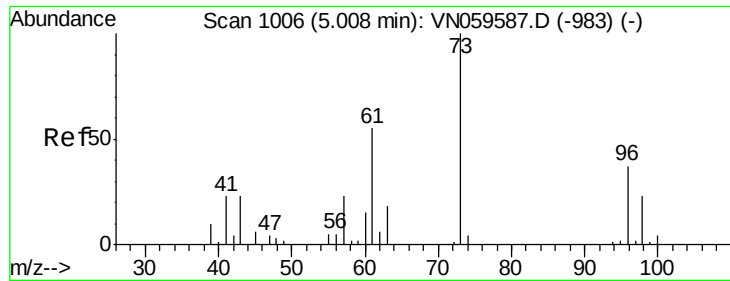
apatel
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#20
Methylene Chloride
Concen: 25.894 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 84 Resp: 81991
Ion Ratio Lower Upper
84 100
49 136.1 106.6 160.0
51 40.3 31.9 47.9
86 62.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 26.265 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 96 Resp: 77939

Ion Ratio Lower Upper

96 100

61 154.6 120.4 180.6

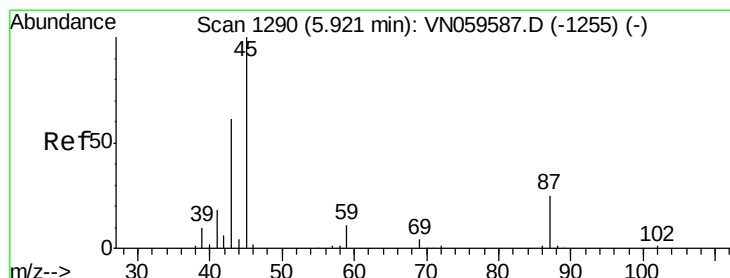
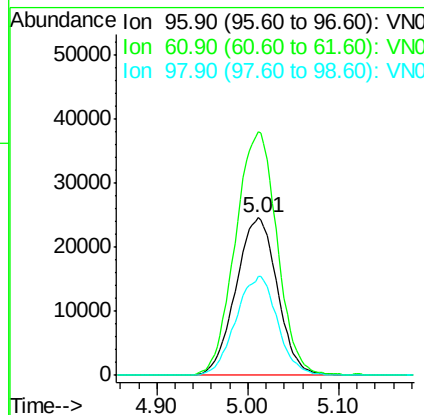
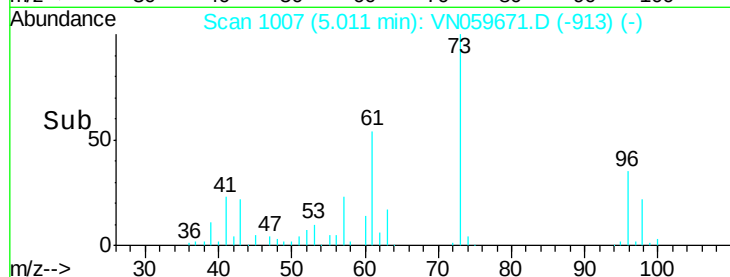
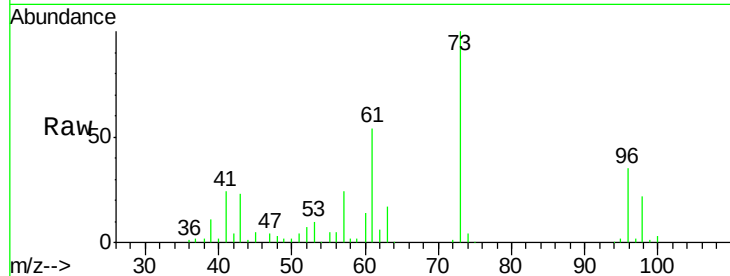
98 62.7 50.6 75.8

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#22

Diisopropyl ether

Concen: 23.506 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion: 45 Resp: 236801

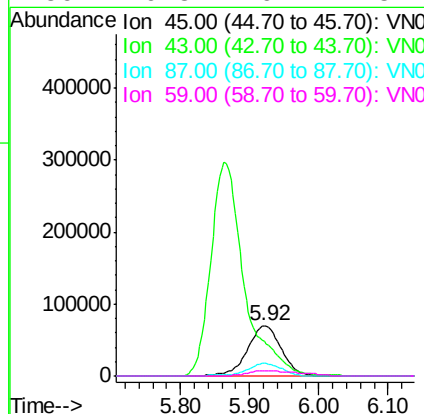
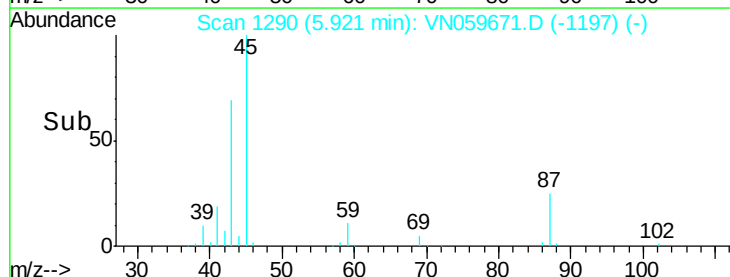
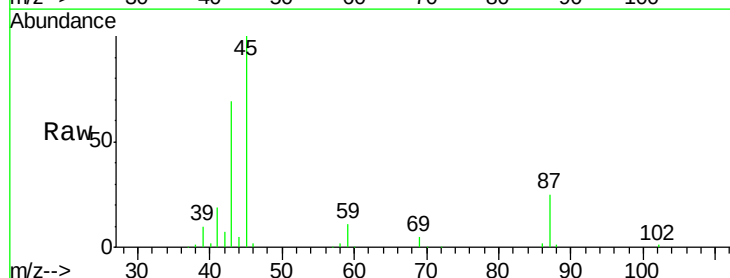
Ion Ratio Lower Upper

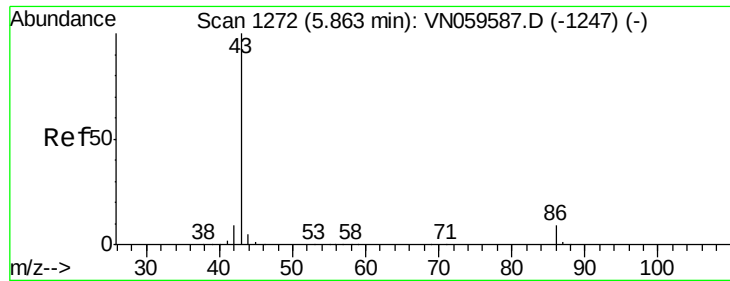
45 100

43 67.1 50.8 76.2

87 25.1 21.0 31.6

59 10.8 9.1 13.7





#23

Vinyl Acetate

Concen: 126.127 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 997121

Ion Ratio Lower Upper

43 100

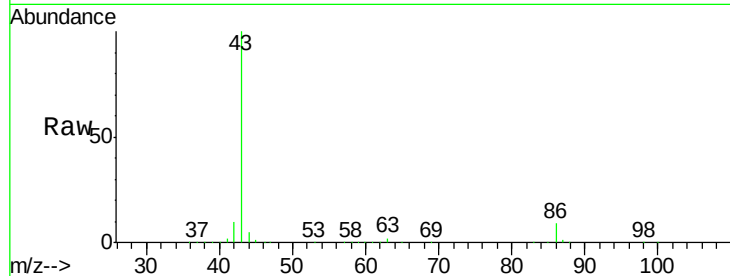
86 9.1 7.6 11.4

Manual Integrations

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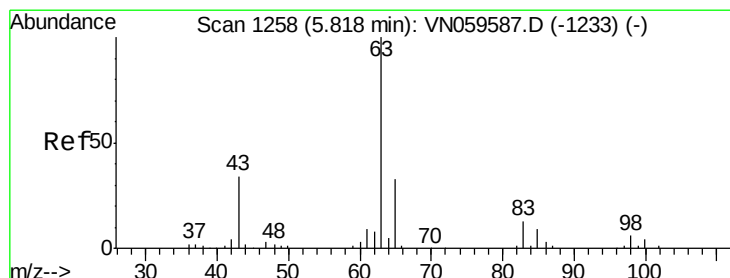
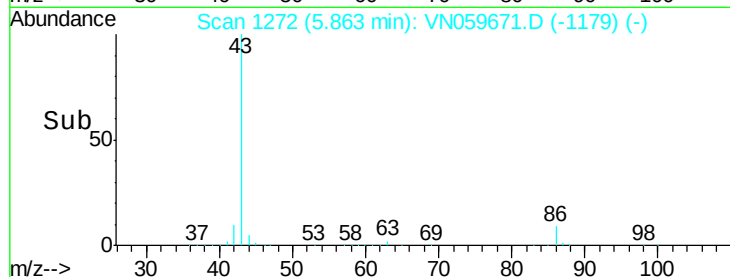
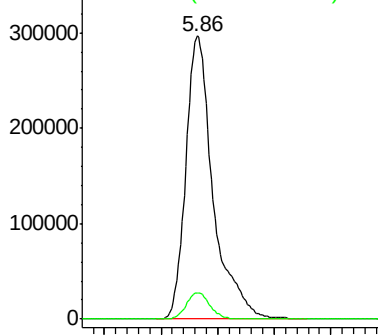
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.714 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

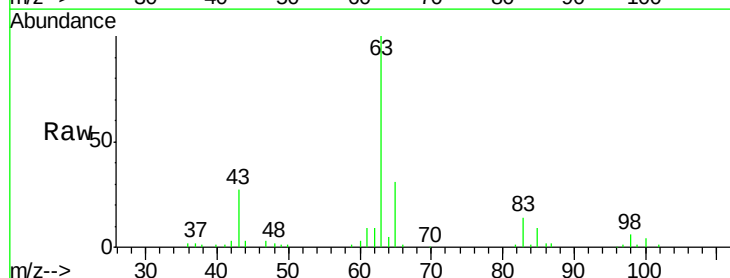
Tgt Ion: 63 Resp: 129617

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

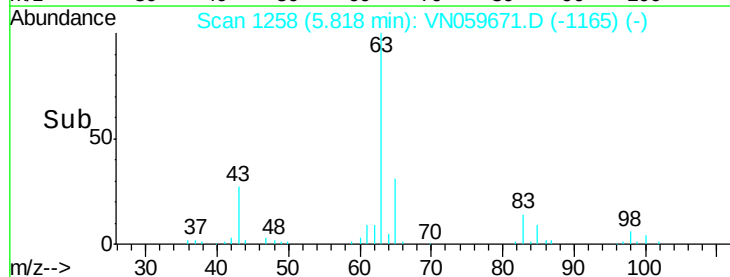
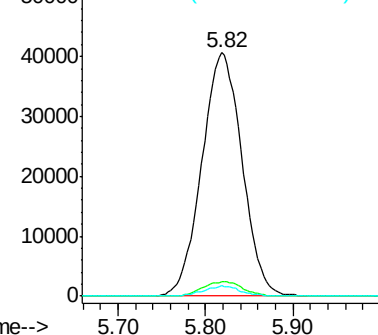
100 4.1 2.0 6.0

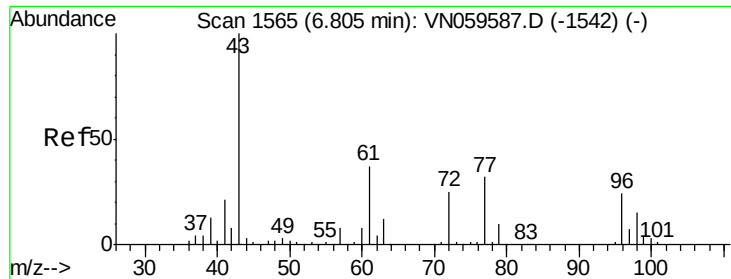


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





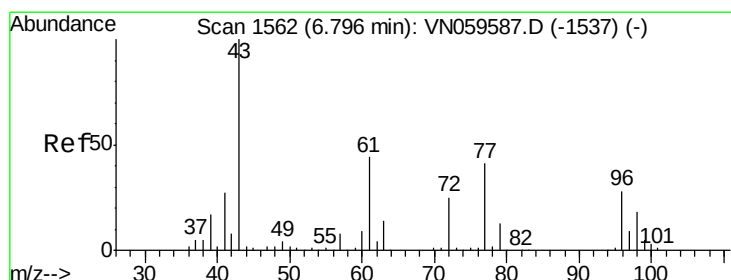
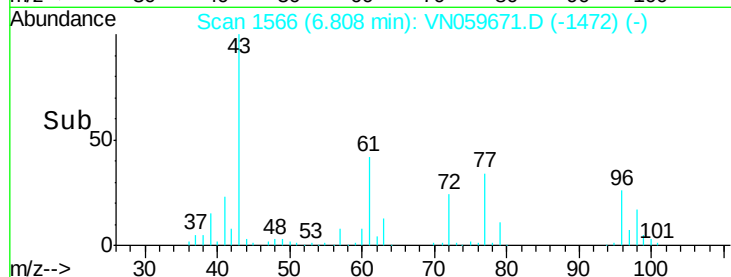
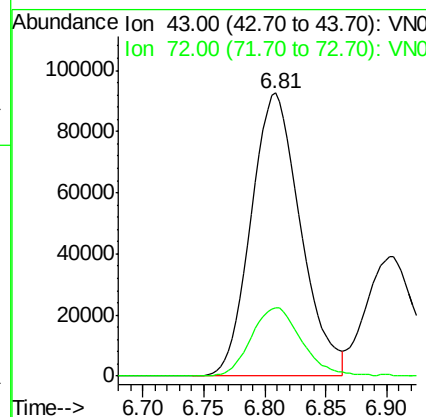
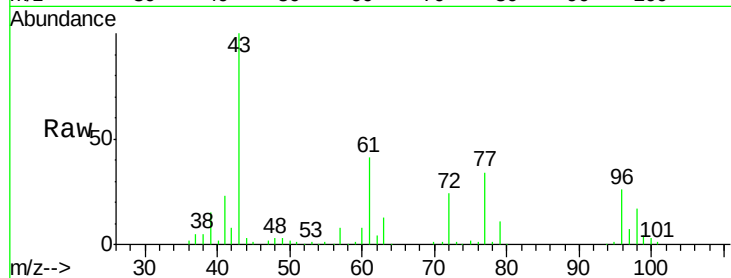
#25
2-Butanone
Concen: 99.022 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 43 Resp: 259613
Ion Ratio Lower Upper
43 100
72 24.4 19.9 29.9

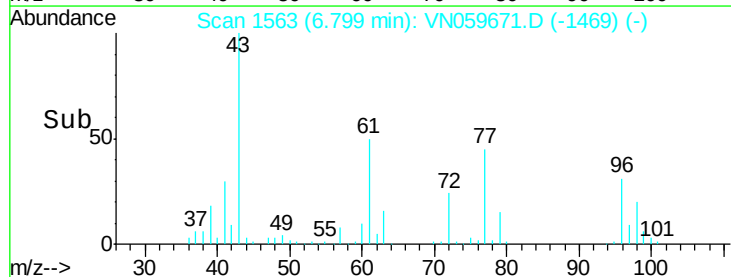
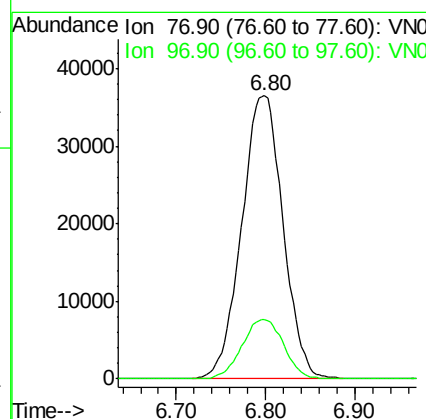
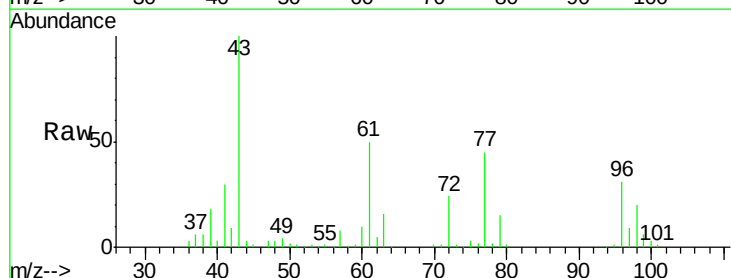
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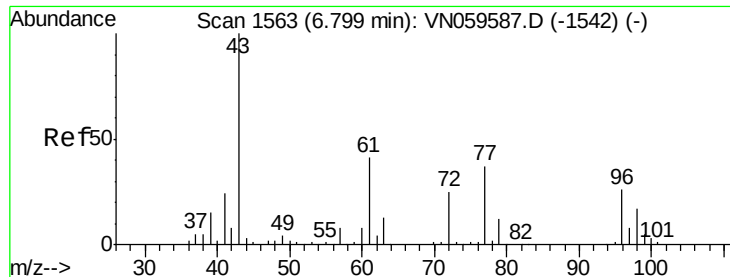
apatel
12/20/2019 9:20:36 AM



#26
2,2-Dichloropropane
Concen: 22.600 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 77 Resp: 117214
Ion Ratio Lower Upper
77 100
97 21.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 22.414 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

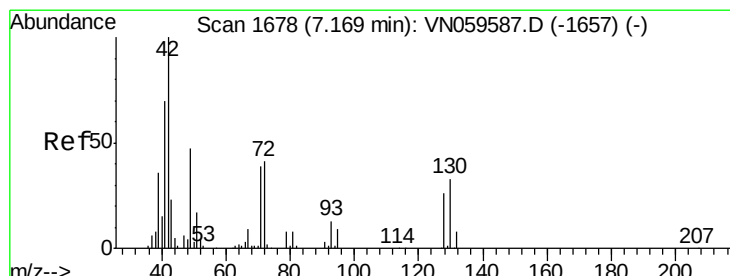
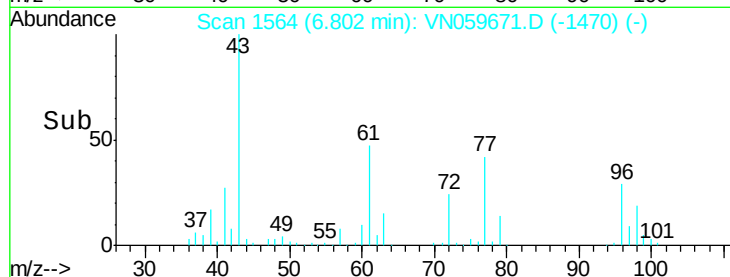
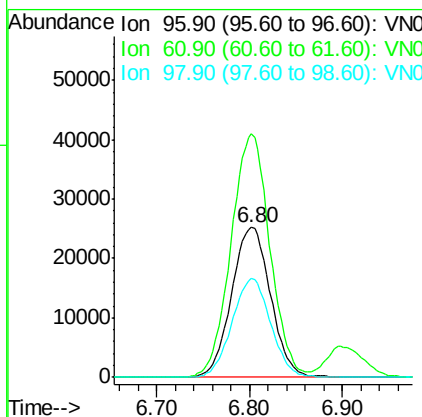
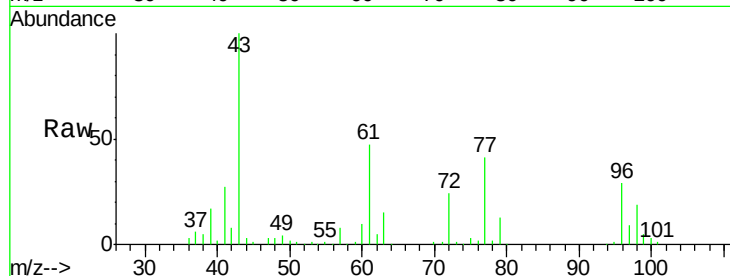
ClientSampleId :

VN1219WBSD01

Tot Ion:	96	Resp:	73701
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 23.807 ug/l

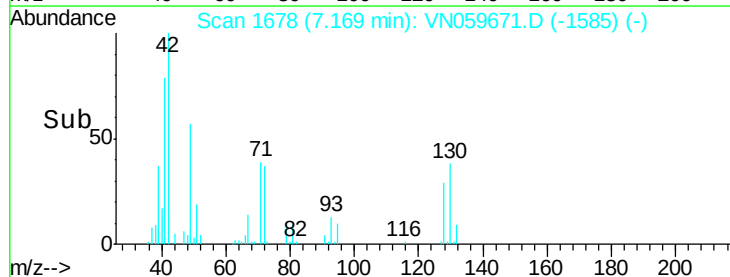
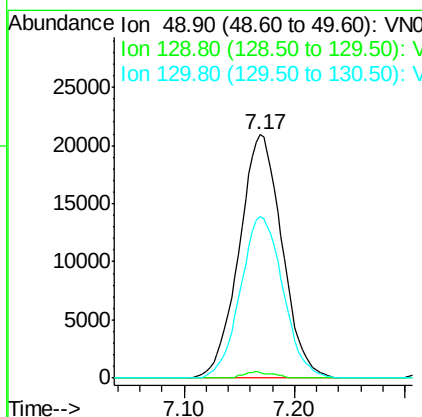
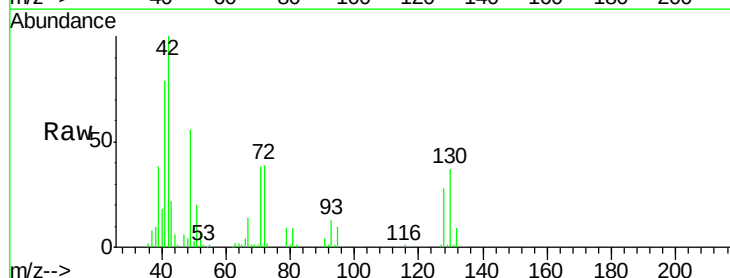
RT: 7.17 min Scan# 1678

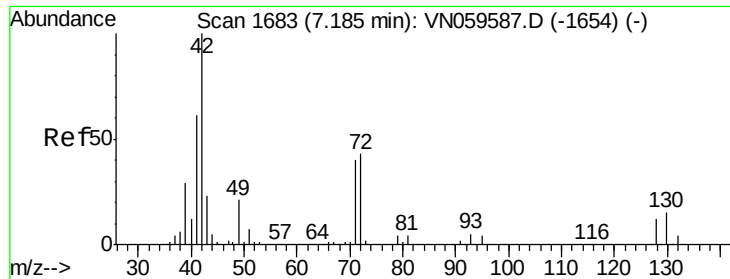
Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion:	49	Resp:	56492
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	65.8	54.7	82.1





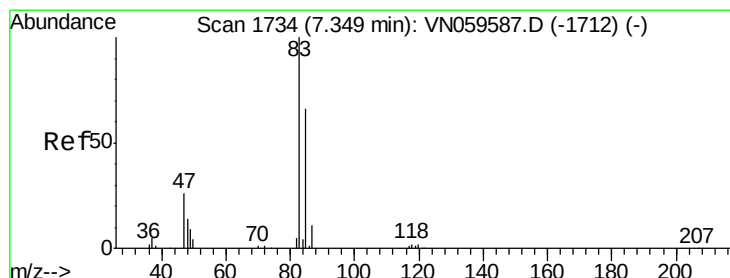
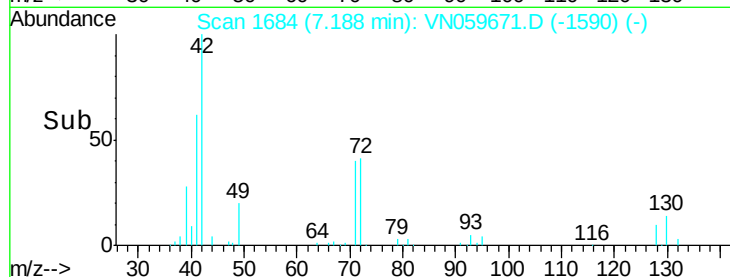
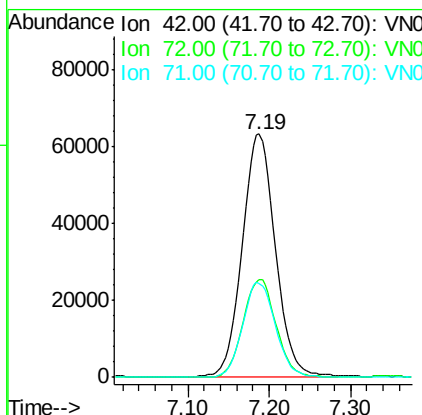
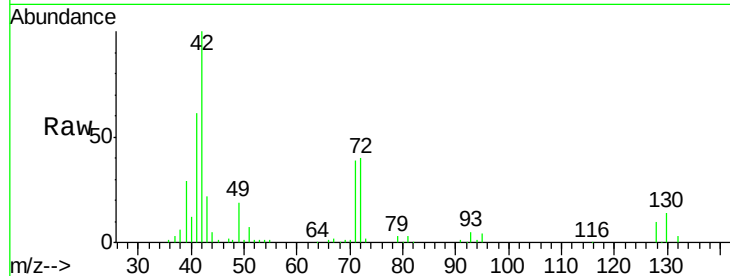
#29
Tetrahydrofuran
Concen: 111.110 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.1	49.7
71	38.6	31.4	47.0

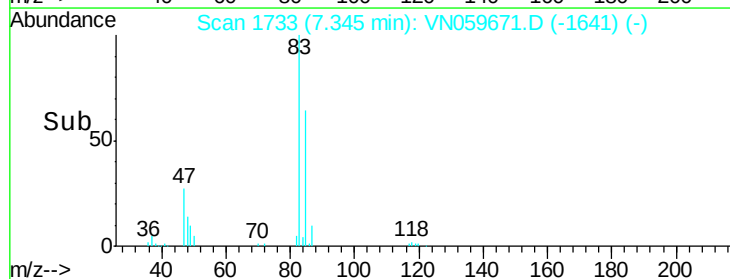
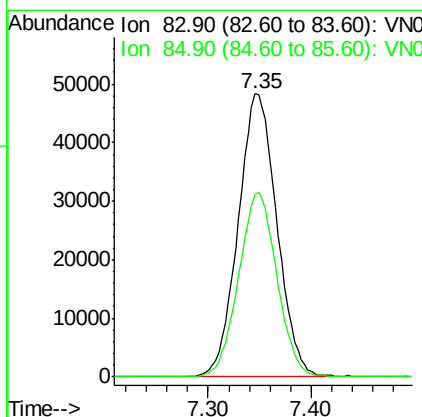
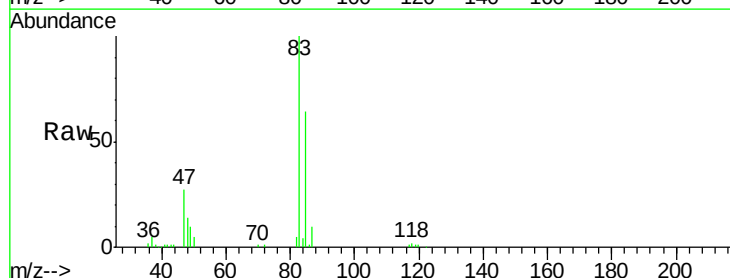
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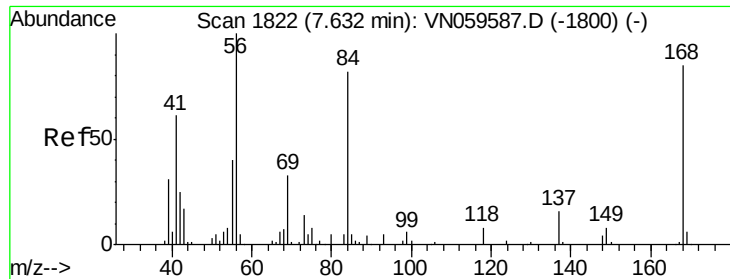
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#30
Chloroform
Concen: 22.415 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6





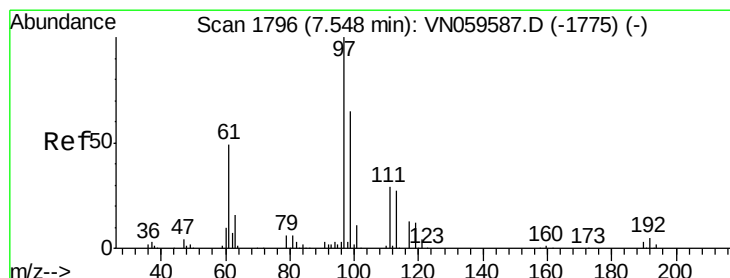
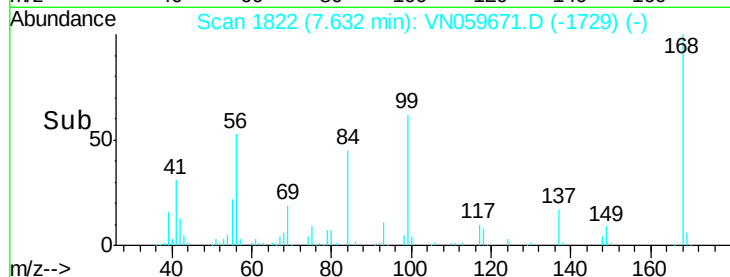
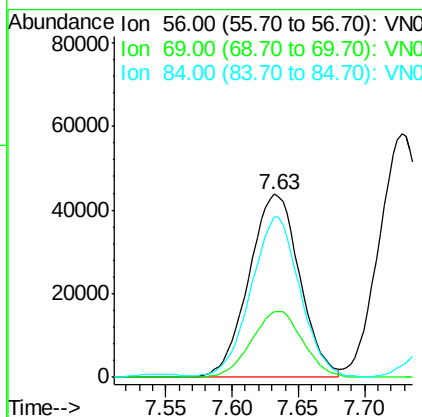
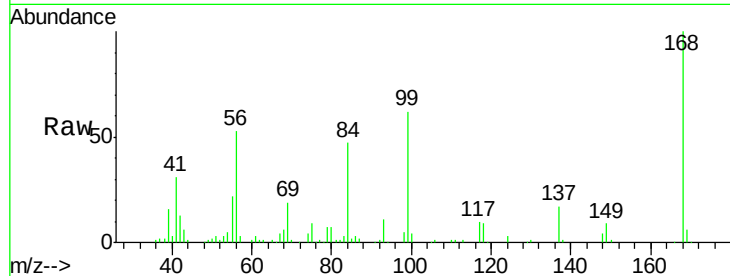
#31
Cyclohexane
Concen: 21.739 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.5	39.7
84	86.7	65.3	97.9

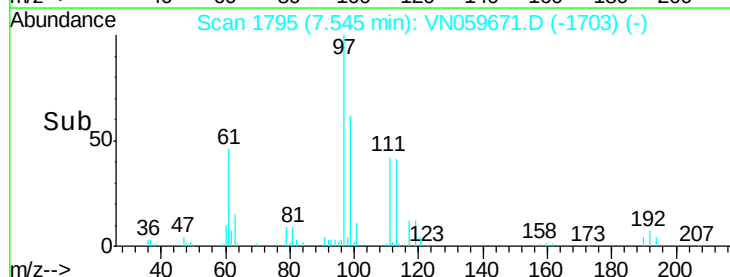
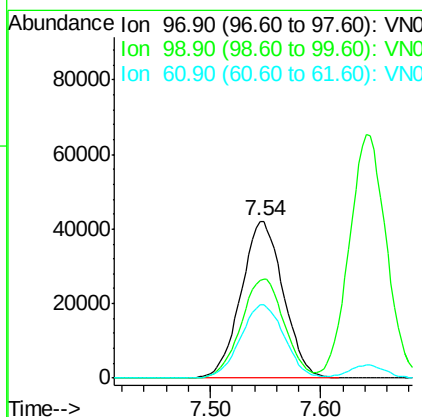
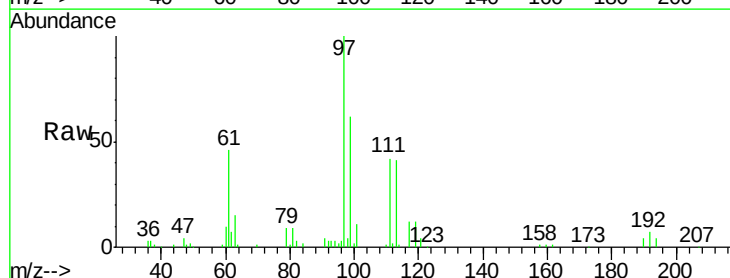
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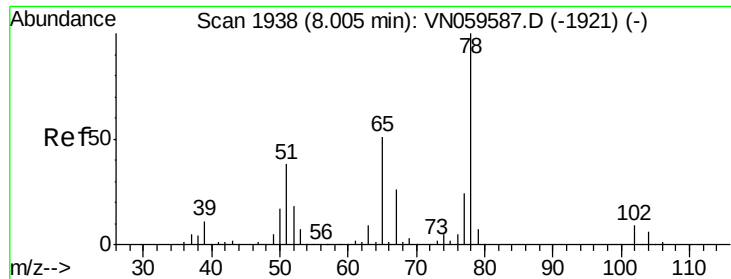
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#32
1,1,1-Trichloroethane
Concen: 22.032 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	48.4	38.5	57.7





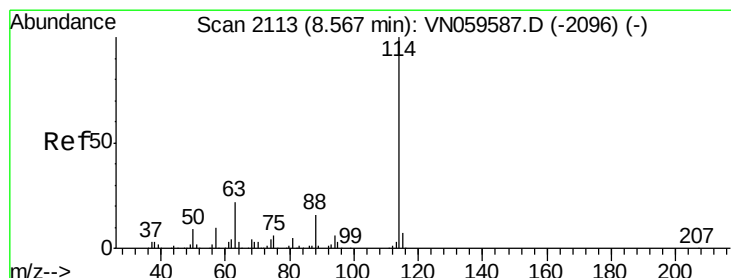
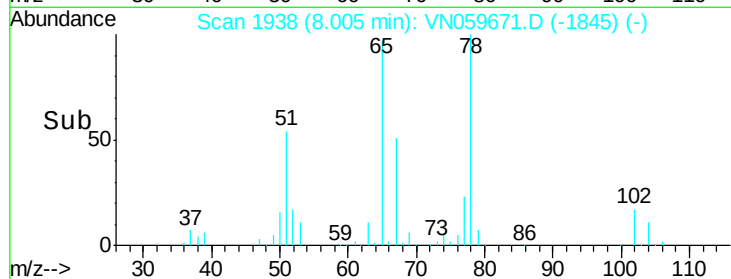
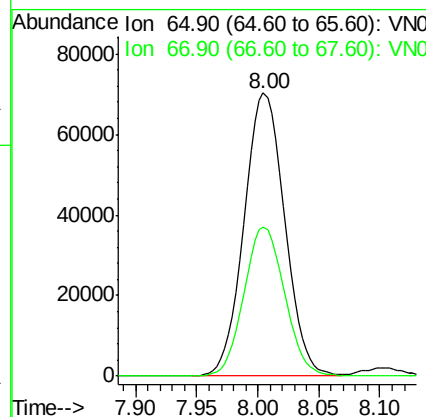
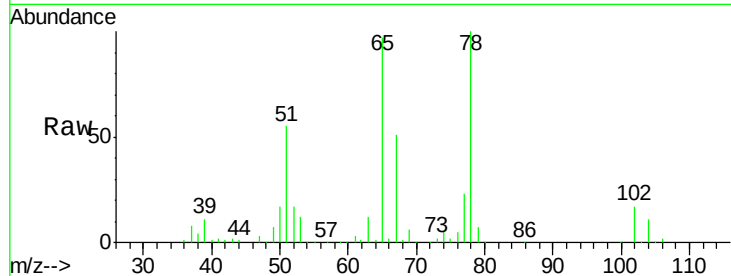
#33
 1,2-Dichloroethane-d4
 Concen: 43.904 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162130		
67	52.8	0.0	103.0	

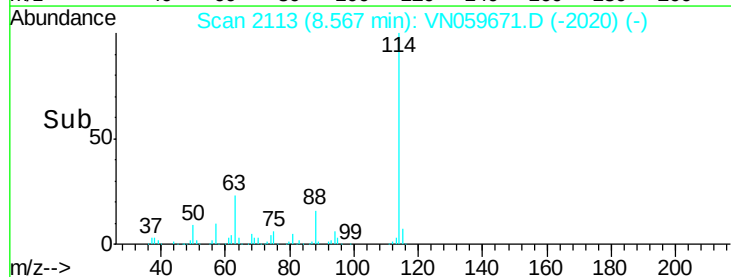
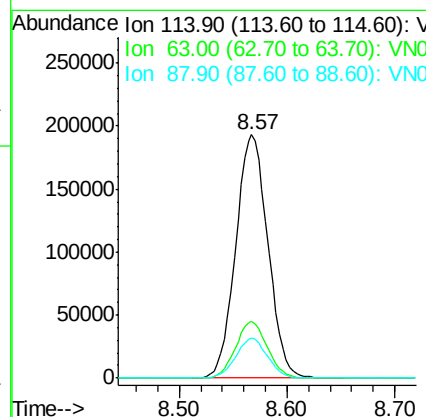
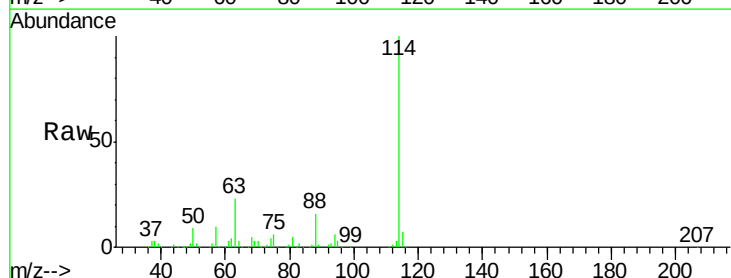
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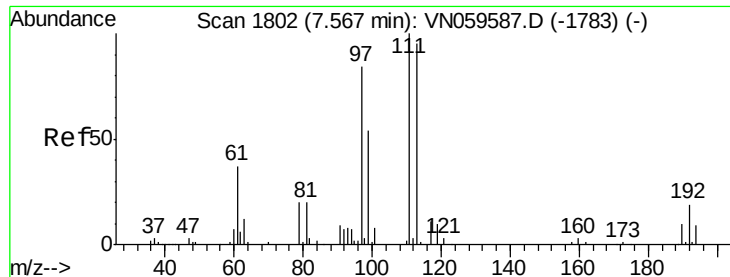
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401754		
63	23.4	0.0	43.6	
88	16.3	0.0	31.4	





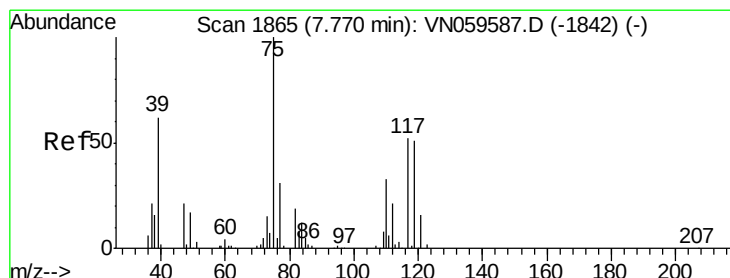
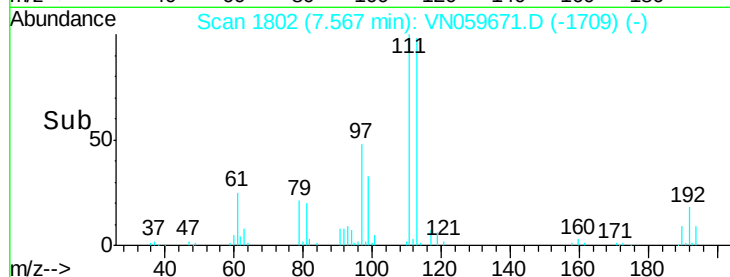
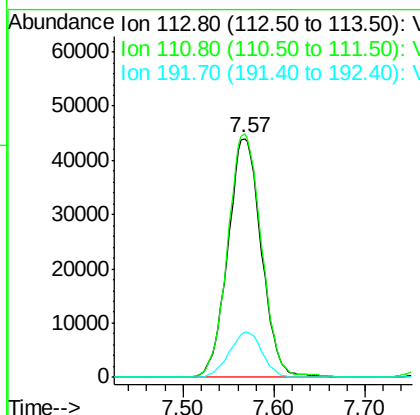
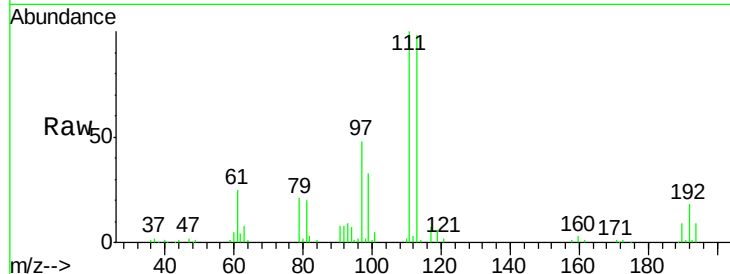
#35
 Dibromofluoromethane
 Concen: 44.725 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112427		
111	103.0	83.5	125.3	
192	18.6	15.4	23.2	

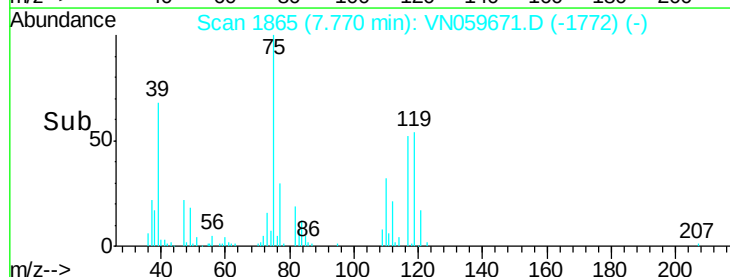
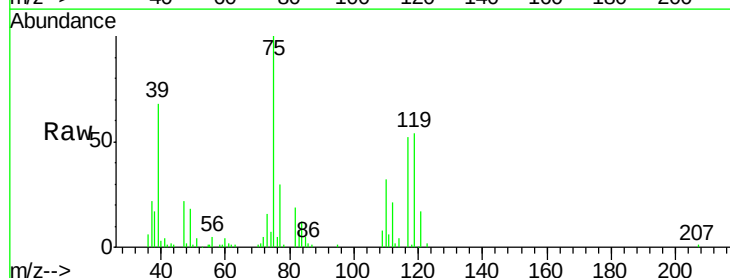
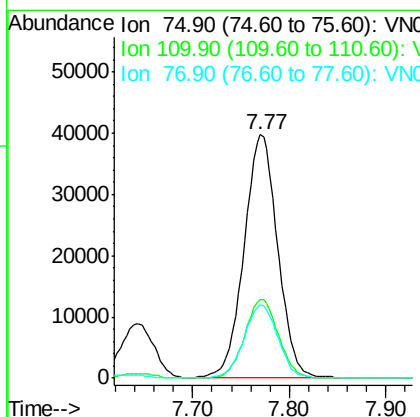
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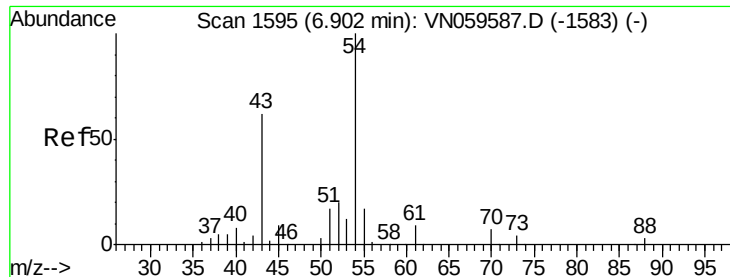
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#36
 1,1-Dichloropropene
 Concen: 22.933 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96084		
110	32.2	16.6	49.7	
77	30.2	25.1	37.7	





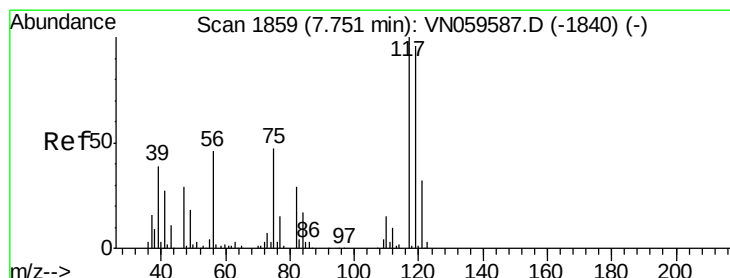
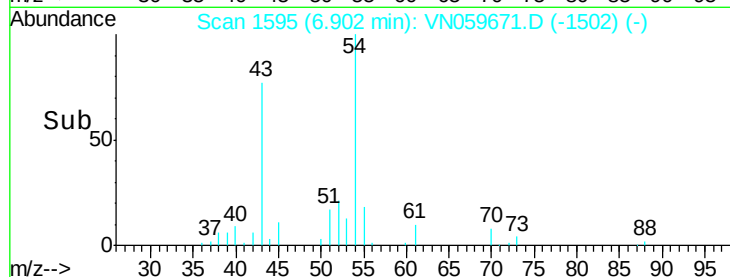
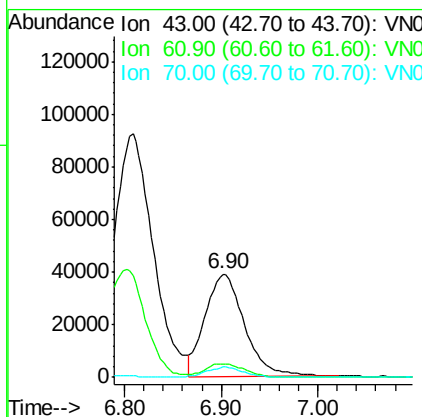
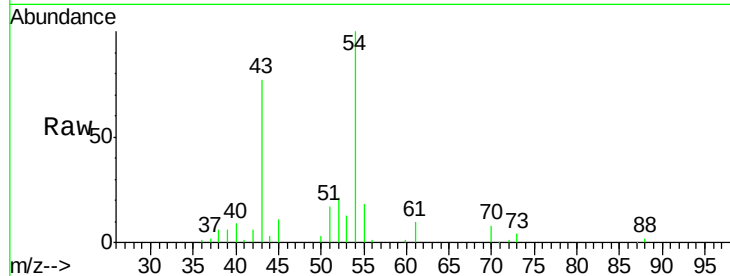
#37
Ethyl Acetate
Concen: 22.586 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	43	Resp	109982
Ion Ratio	100	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.5	7.7	11.5

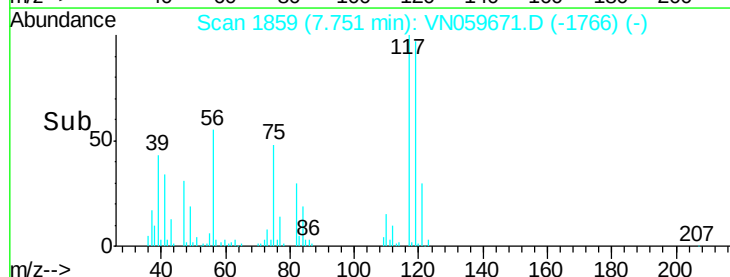
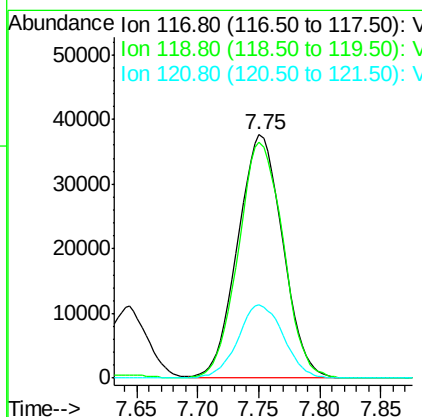
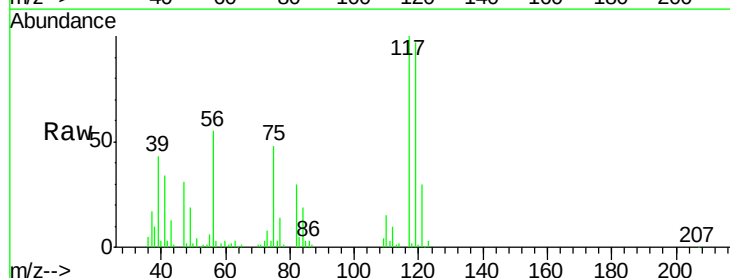
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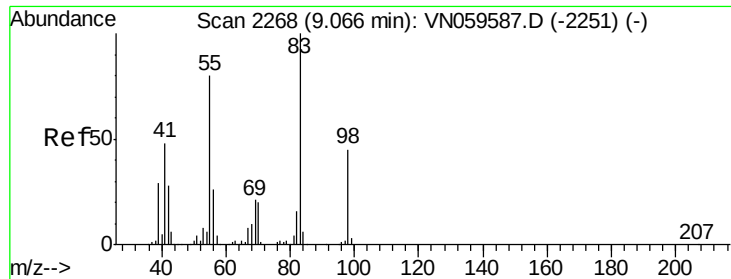
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#38
Carbon Tetrachloride
Concen: 22.147 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	117	Resp	96287
Ion Ratio	100	Lower	Upper
117	100		
119	97.0	76.5	114.7
121	30.1	25.1	37.7





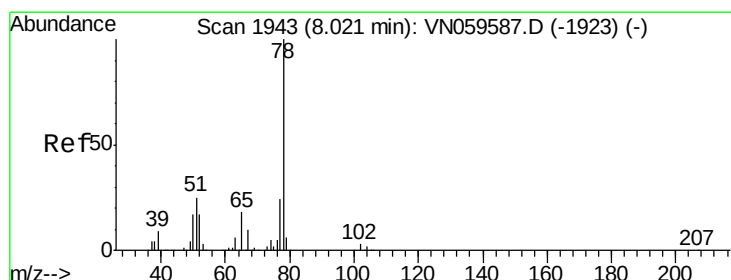
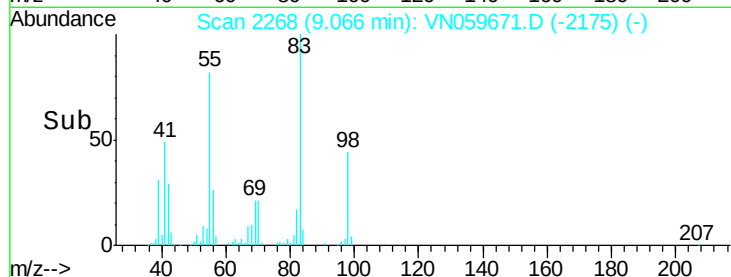
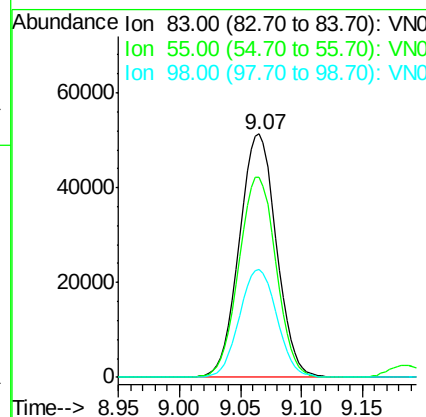
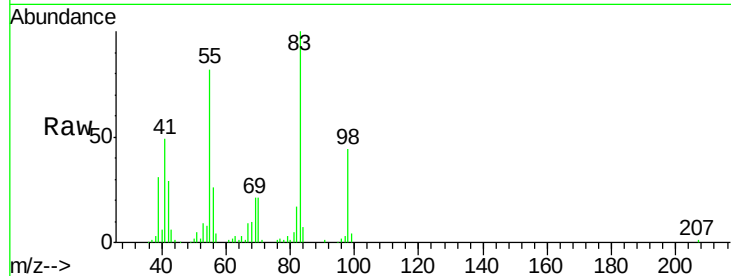
#39
Methylvlcyclohexane
Concen: 22.724 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	64.2	96.2	
98	44.4	35.9	53.9	

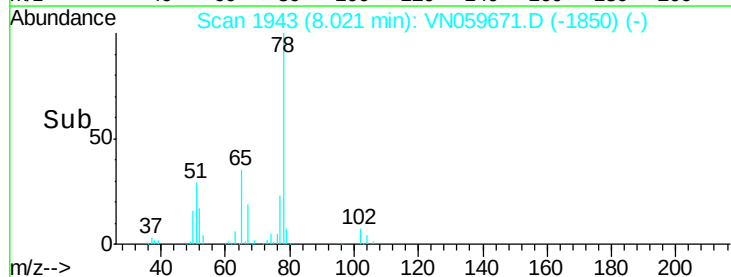
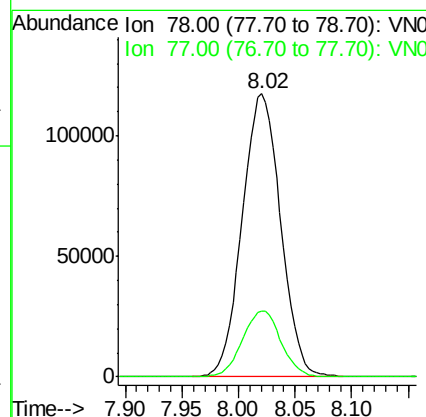
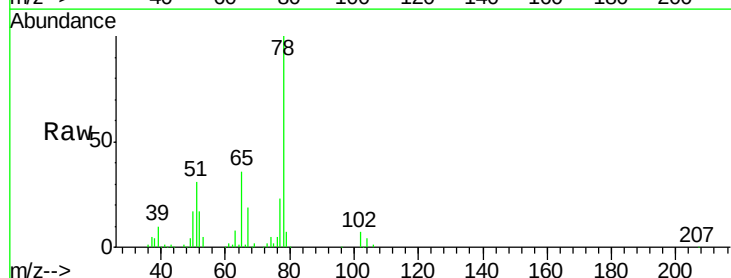
Manual Integrations
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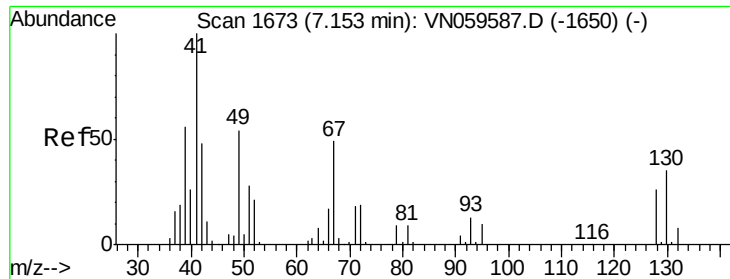
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#40
Benzene
Concen: 22.691 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.9	28.3	





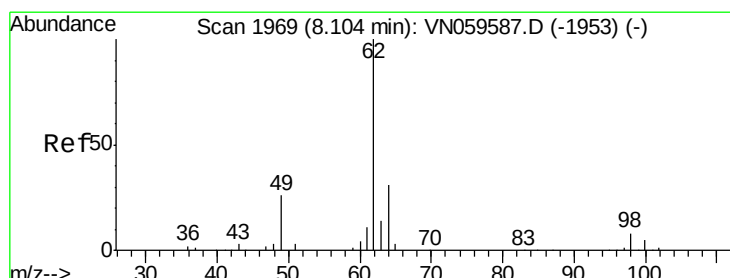
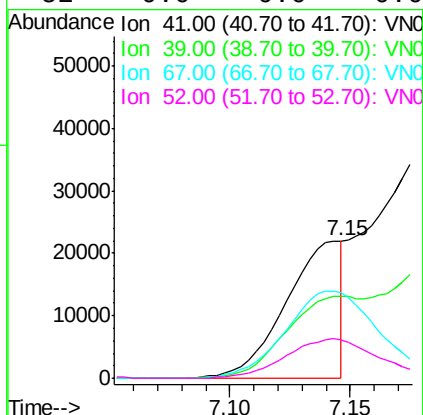
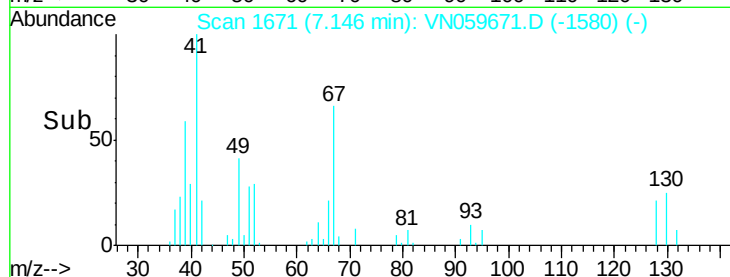
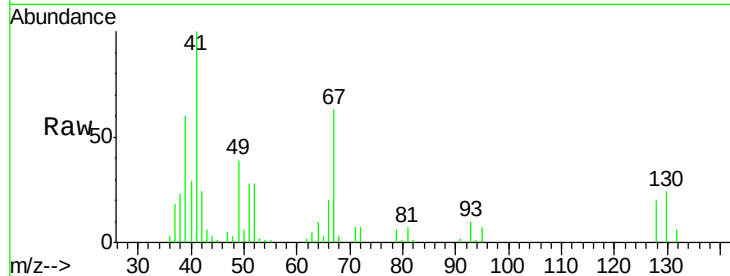
#41
Methacrylonitrile
Concen: 17.807 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35787		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

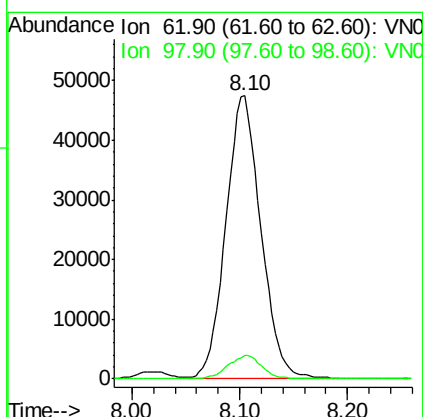
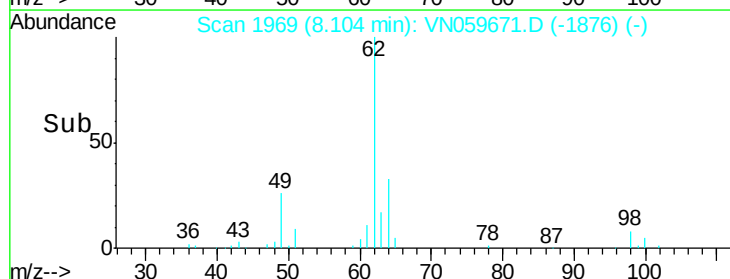
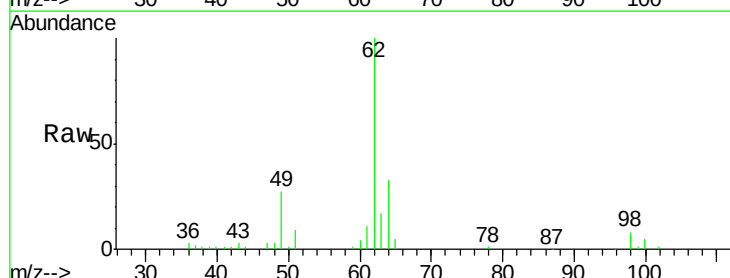
Manual Integrations
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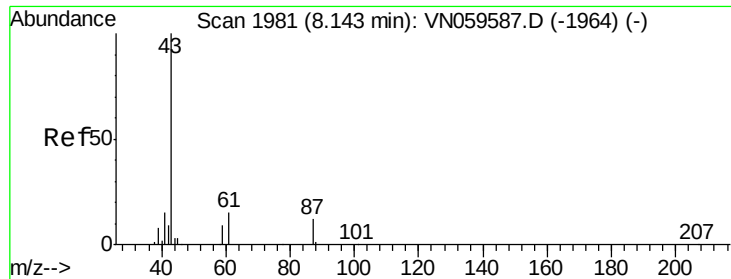
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#42
1,2-Dichloroethane
Concen: 22.937 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		107552		
98	7.9	0.0	15.8		





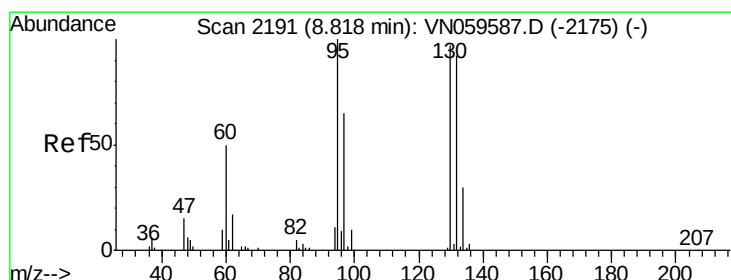
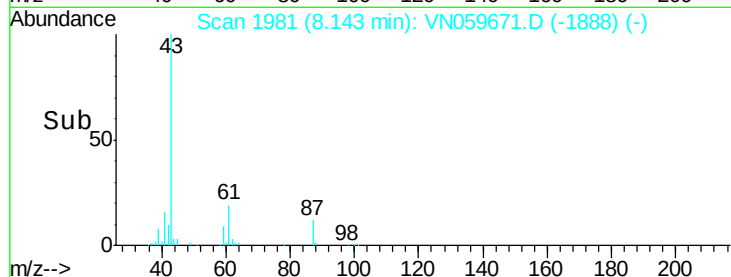
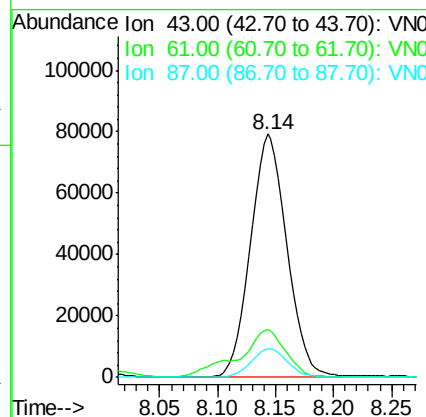
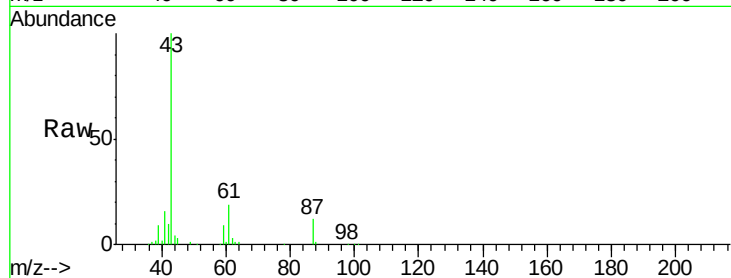
#43
Isopropyl Acetate
Concen: 22.948 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.2	30.2
87	11.7	9.5	14.3

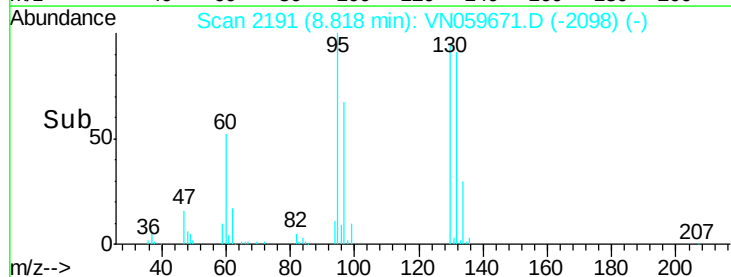
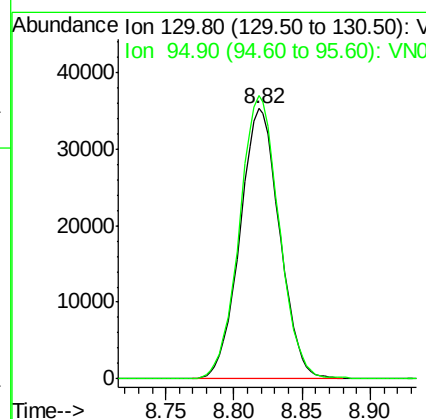
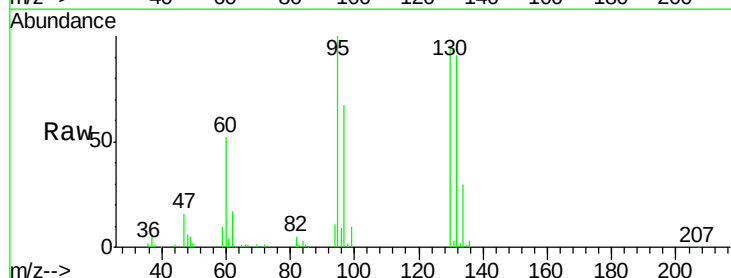
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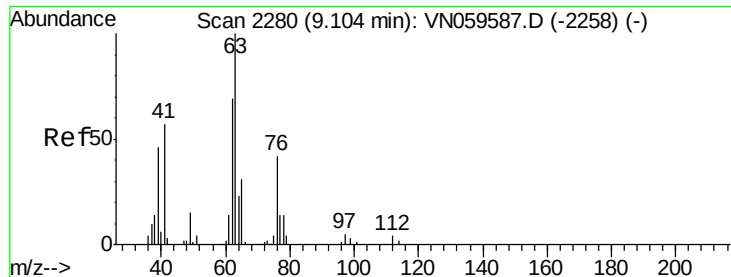
apatel
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#44
Trichloroethene
Concen: 22.140 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 22.876 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 63 Resp: 75637

Ion Ratio Lower Upper

63 100

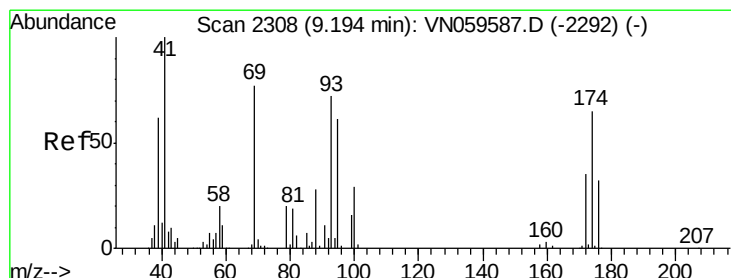
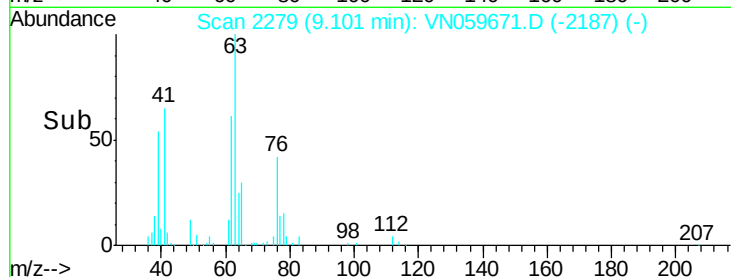
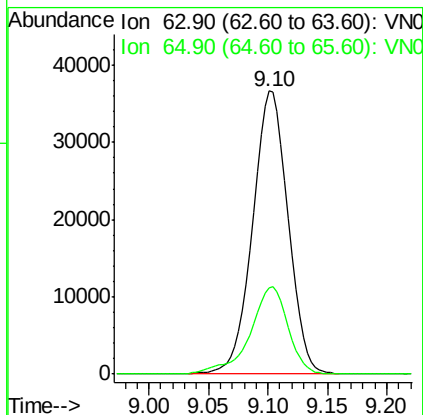
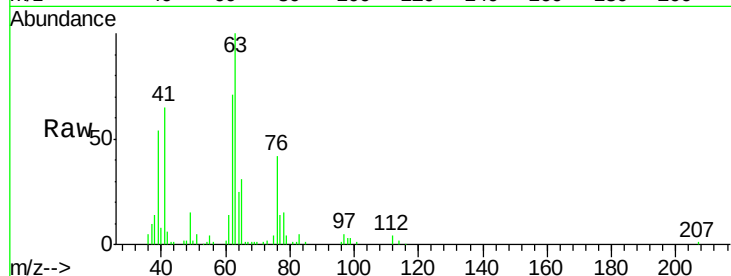
65 30.6 24.9 37.3

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#46

Dibromomethane

Concen: 22.302 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

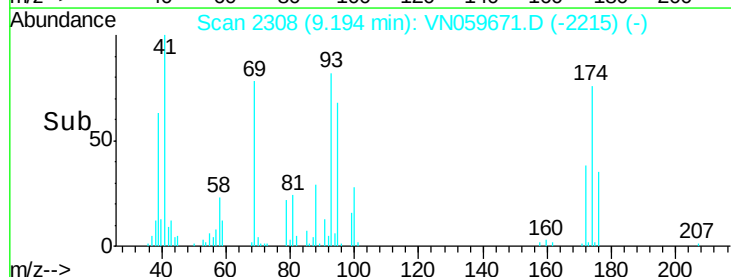
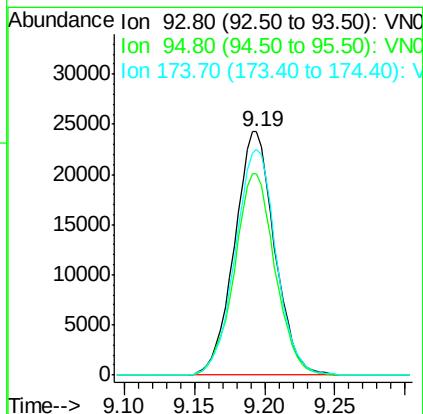
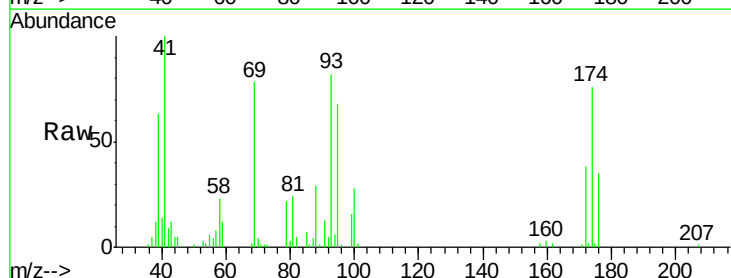
Tgt Ion: 93 Resp: 48309

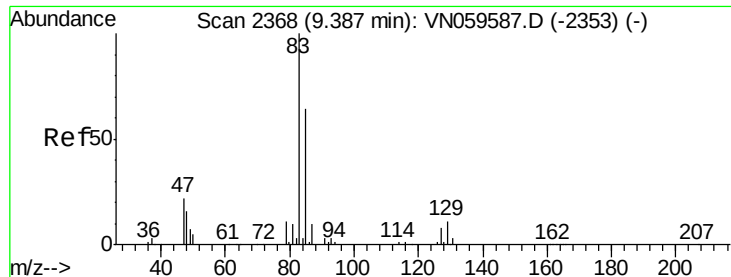
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 94.2 73.4 110.2





#47

Bromodichloromethane

Concen: 22.873 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

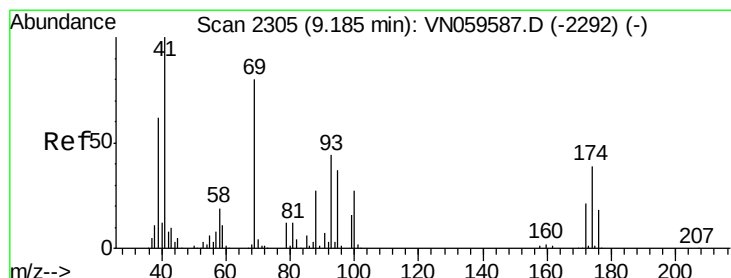
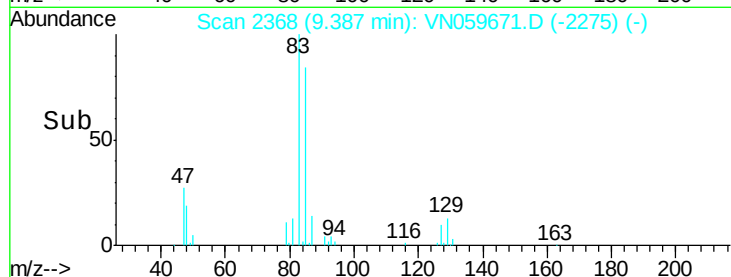
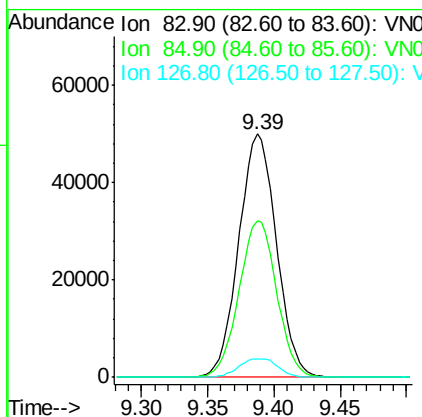
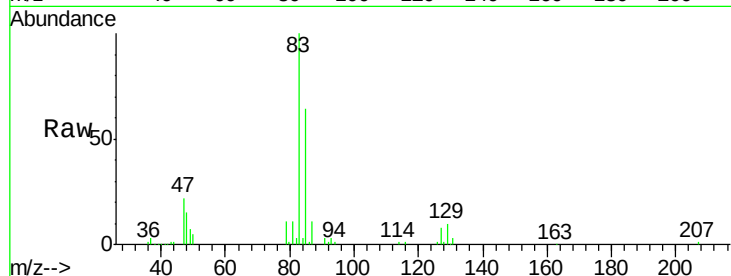
ClientSampleId :

VN1219WBSD01

Tot Ion:	83	Resp:	98782
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	7.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 22.260 ug/l

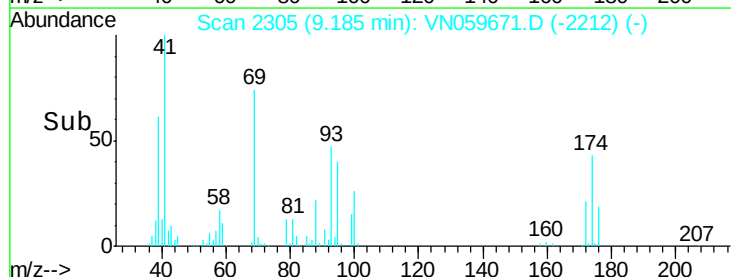
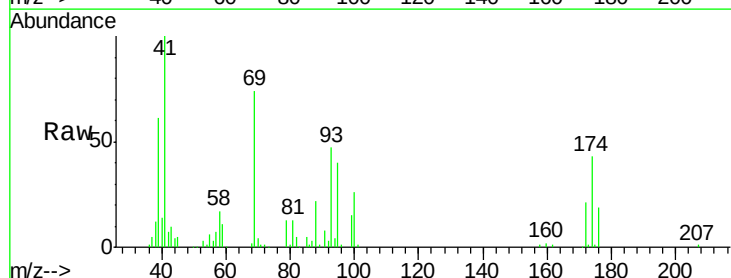
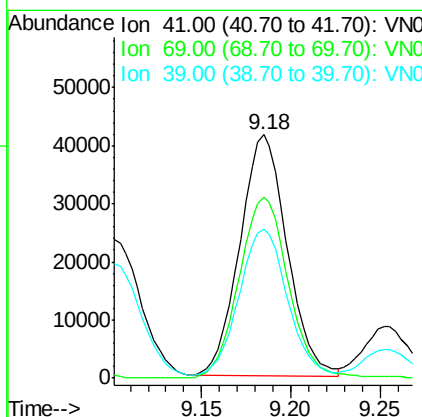
RT: 9.18 min Scan# 2305

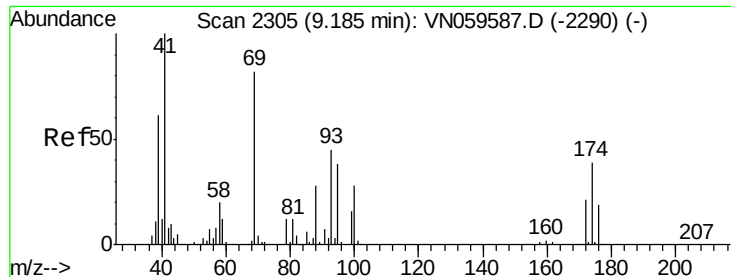
Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion:	41	Resp:	76460
Ion	Ratio	Lower	Upper
41	100		
69	78.9	64.4	96.6
39	63.6	51.3	76.9





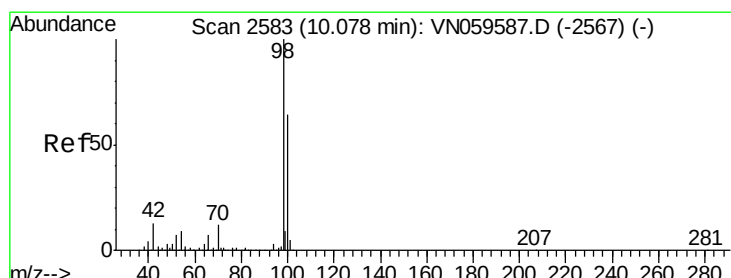
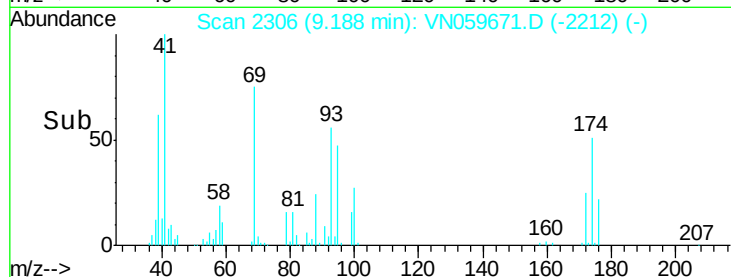
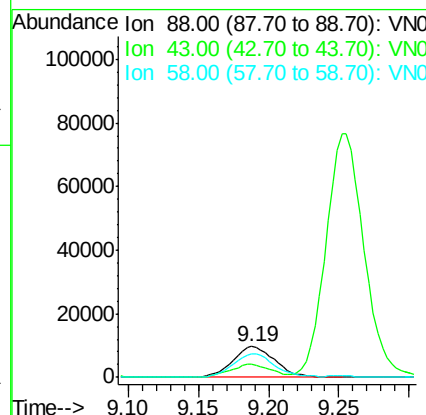
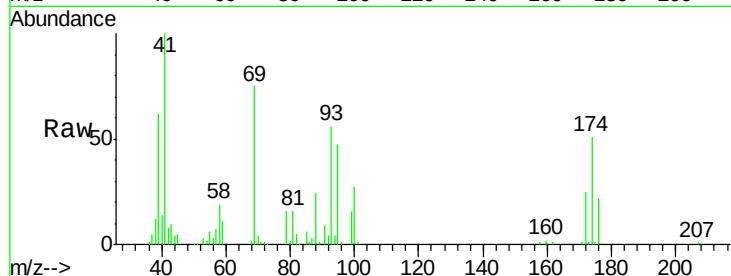
#49
1,4-Dioxane
Concen: 407.647 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	88	Resp	20066
Ion Ratio	Lower	Upper	
88	100		
43	41.2	29.7	44.5
58	77.1	56.6	85.0

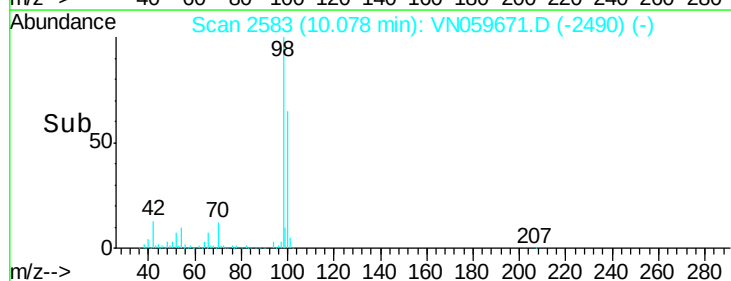
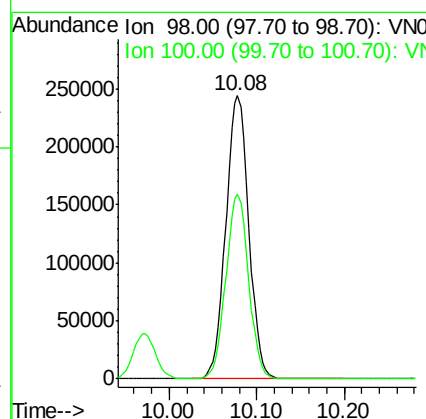
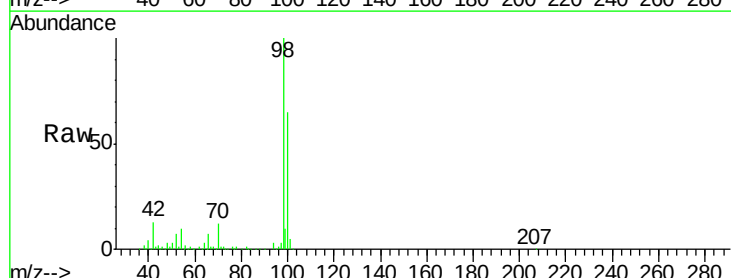
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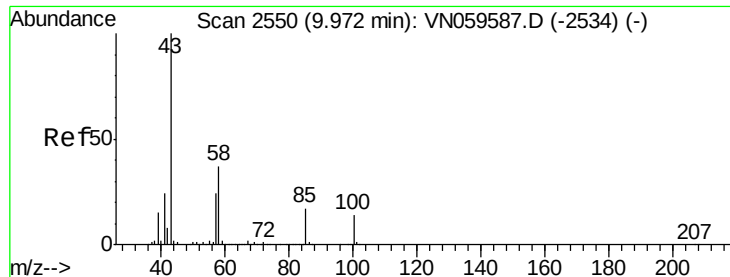
apatel
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#50
Toluene-d8
Concen: 44.627 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	98	Resp	444141
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 118.570 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 535217

Ion Ratio Lower Upper

43 100

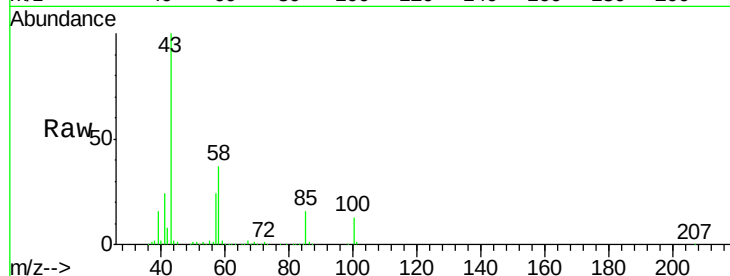
58 37.1 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

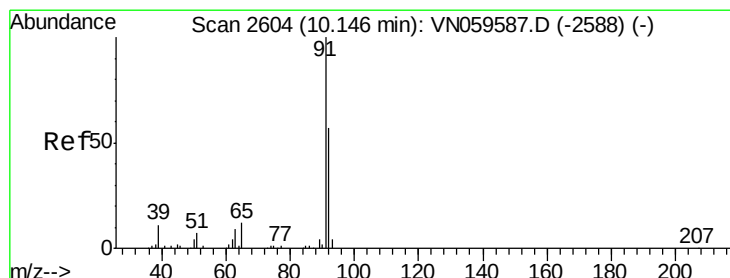
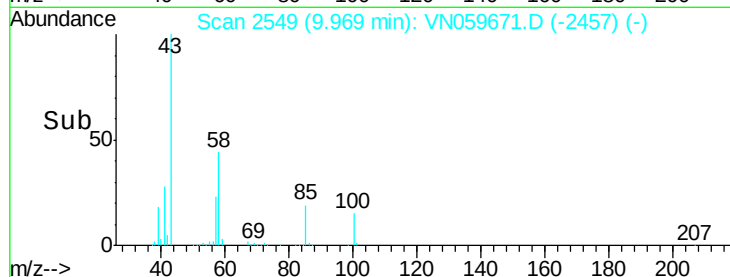
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.125 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059671.D

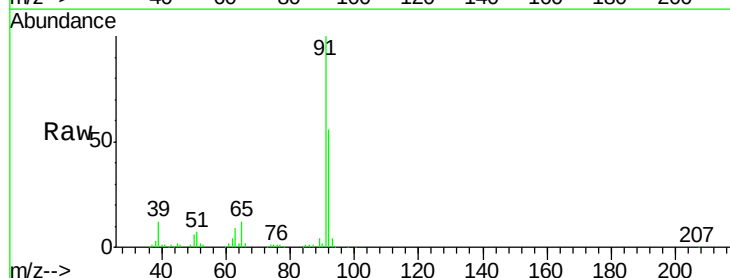
Acq: 19 Dec 2019 15:03

Tgt Ion: 92 Resp: 166446

Ion Ratio Lower Upper

92 100

91 177.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

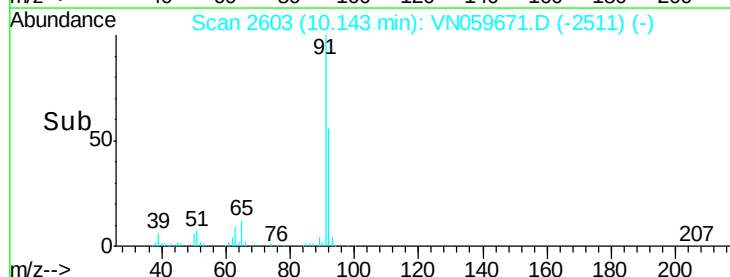
150000

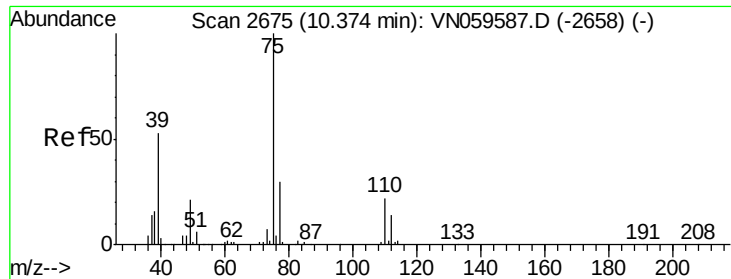
100000

50000

0

Time-->





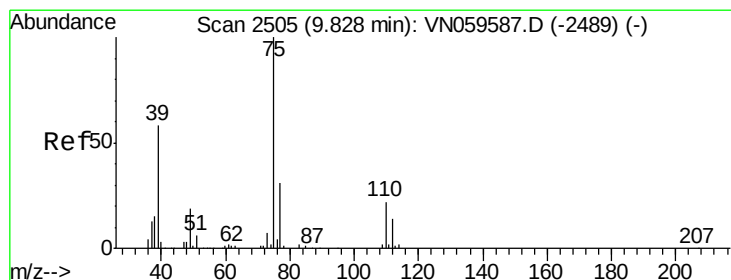
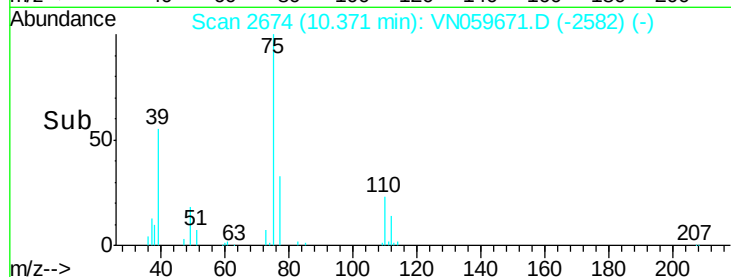
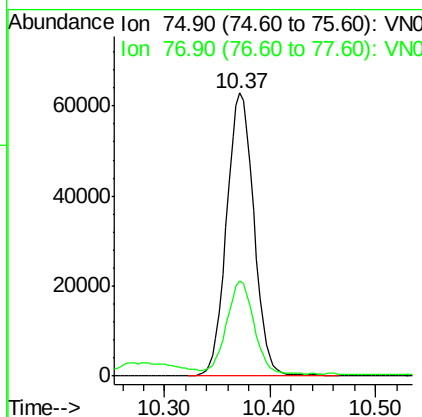
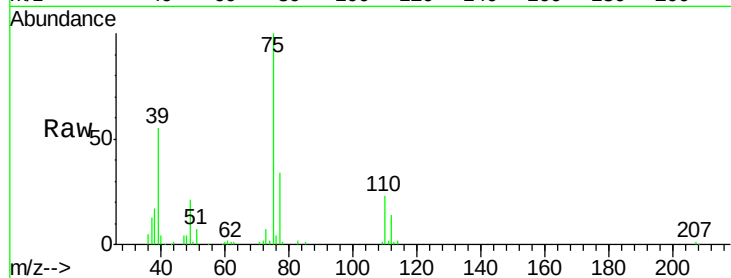
#53
t-1,3-Dichloropropene
Concen: 22.526 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampled :
VN1219WBSD01

Tot Ion: 75 Resp: 112513
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

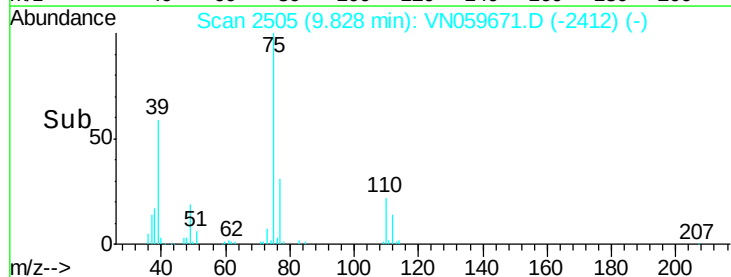
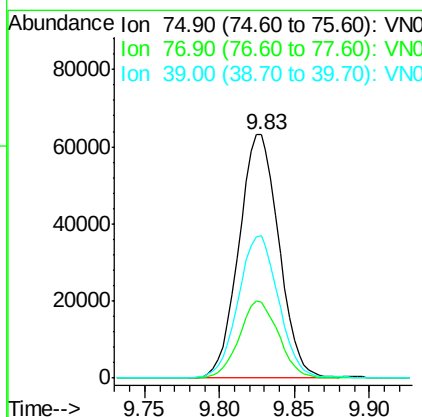
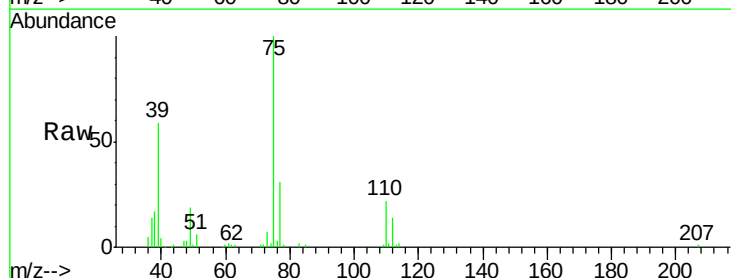
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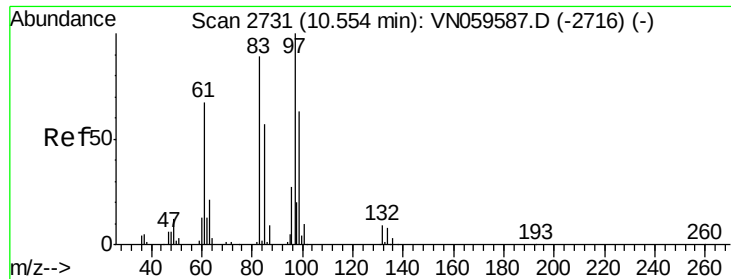
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#54
cis-1,3-Dichloropropene
Concen: 22.381 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 75 Resp: 117506
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 58.3 46.1 69.1





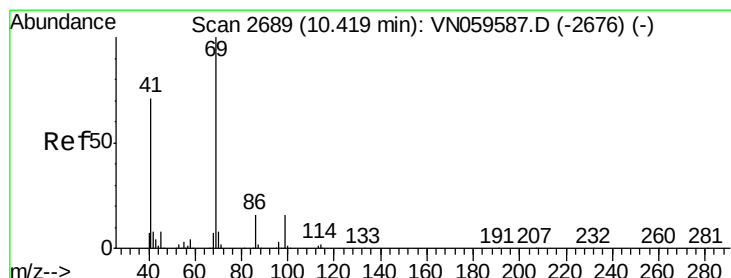
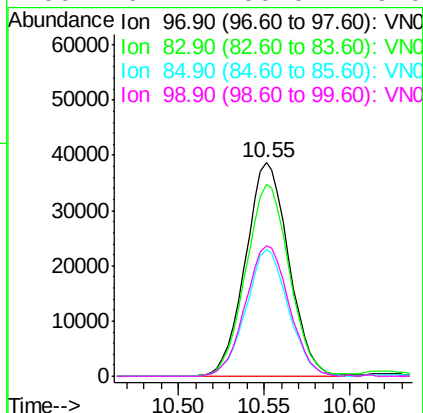
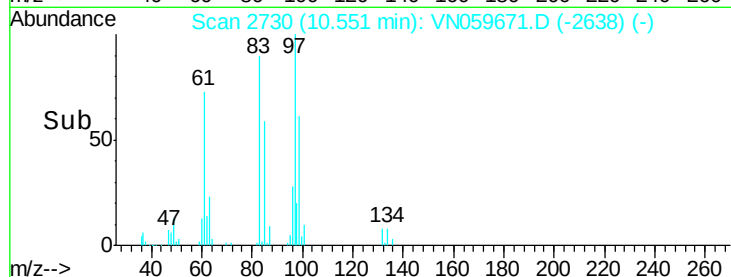
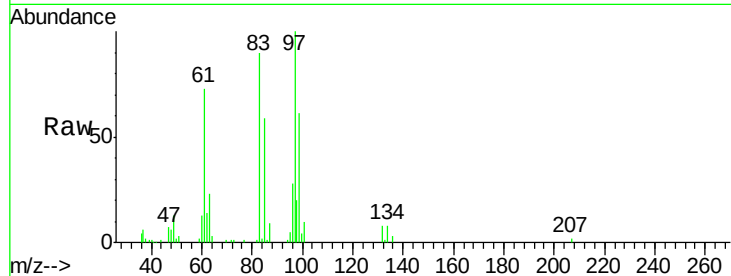
#55
 1,1,2-Trichloroethane
 Concen: 22.883 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.0	71.3	106.9	
85	59.4	45.8	68.8	
99	61.2	50.0	75.0	

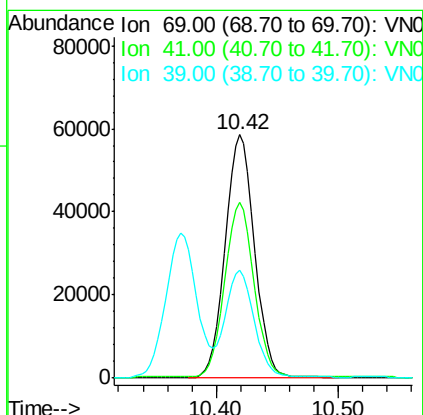
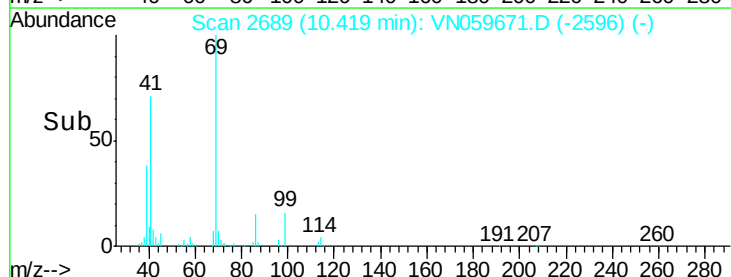
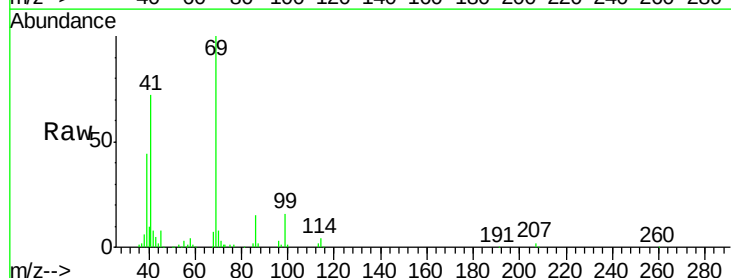
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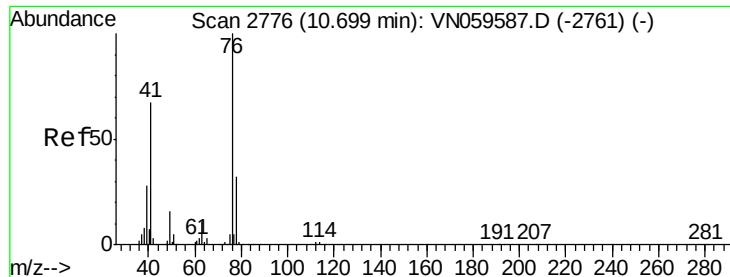
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#56
 Ethyl methacrylate
 Concen: 22.563 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	71.6	57.1	85.7	
39	42.9	34.7	52.1	





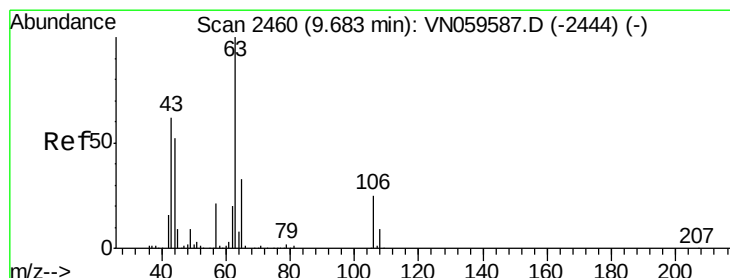
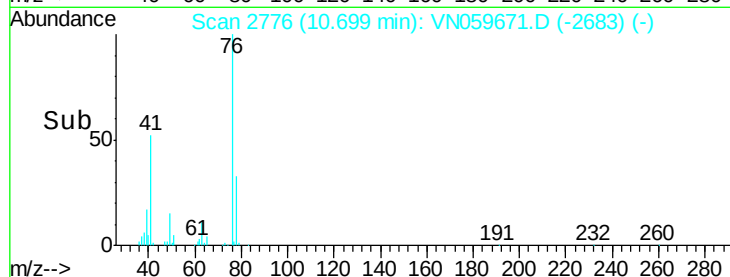
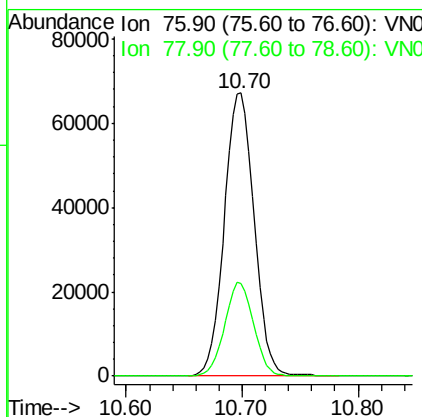
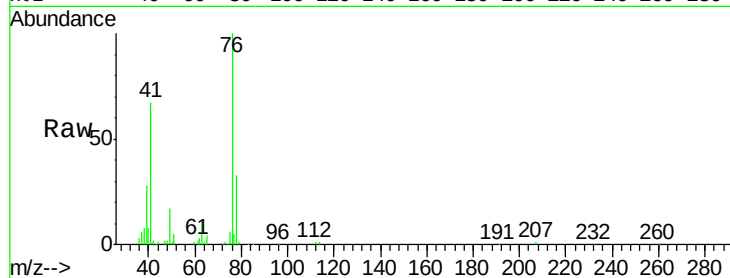
#57
 1,3-Dichloropropane
 Concen: 23.309 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

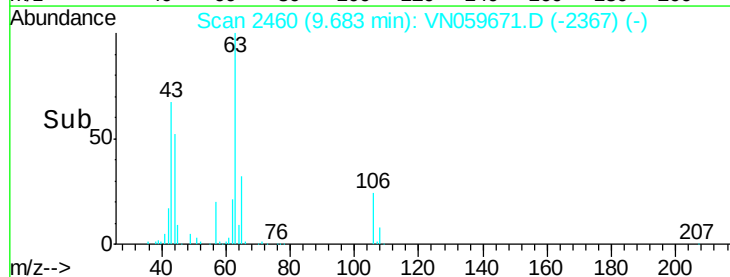
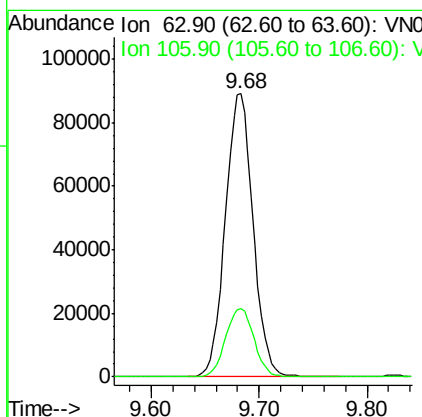
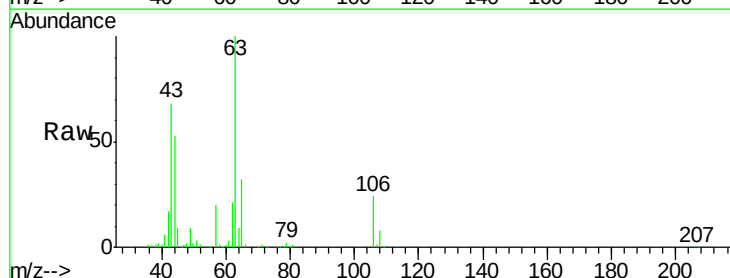
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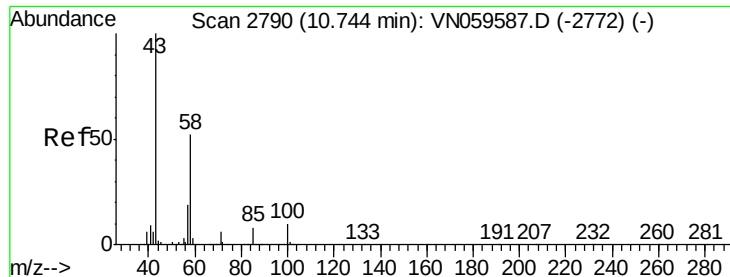
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.798 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.2	30.2





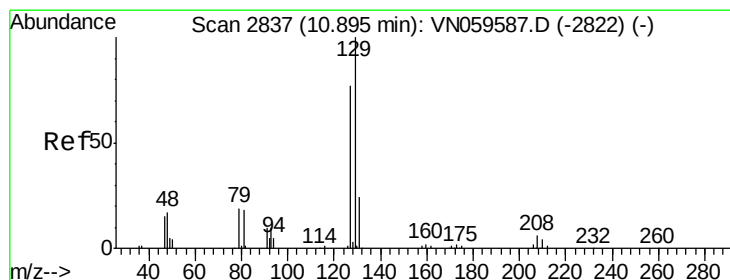
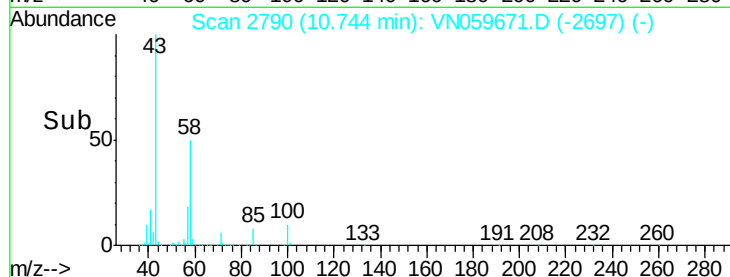
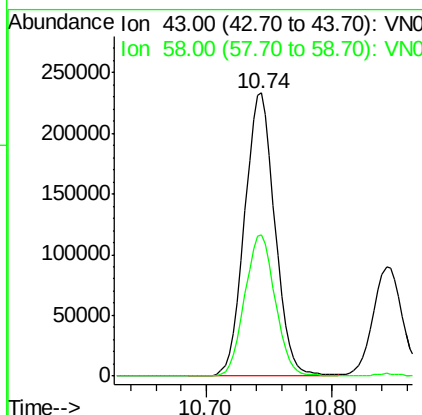
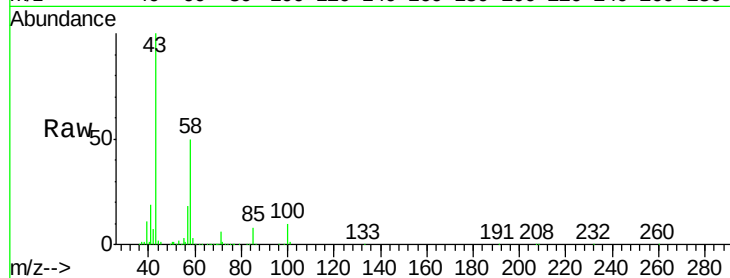
#59
2-Hexanone
Concen: 110.267 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.8	77.3

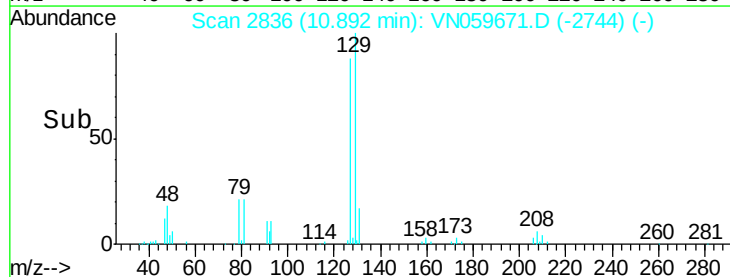
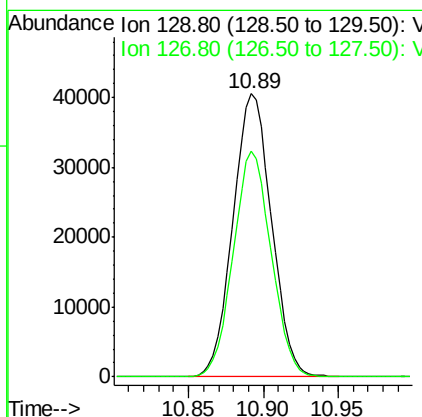
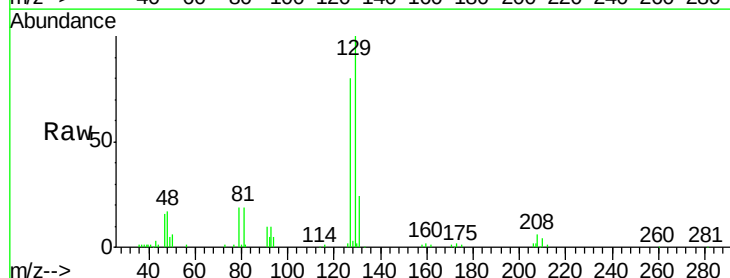
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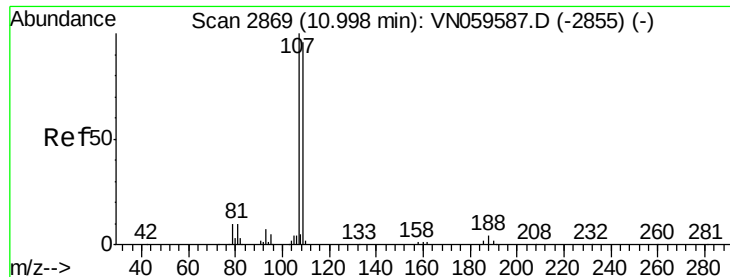
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#60
Dibromochloromethane
Concen: 22.566 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.5	115.5





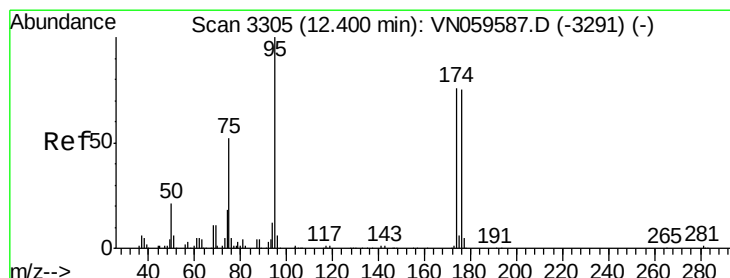
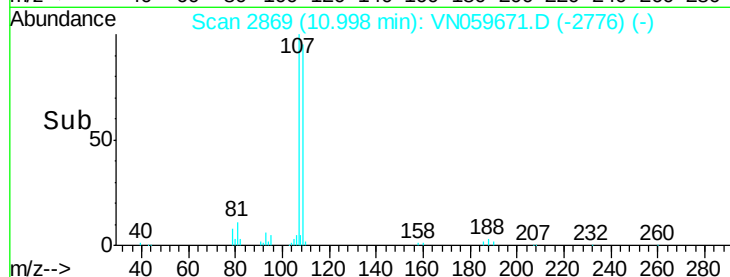
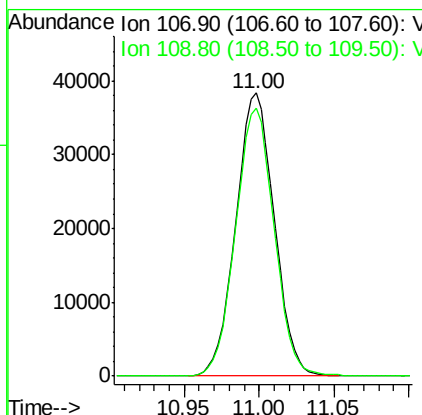
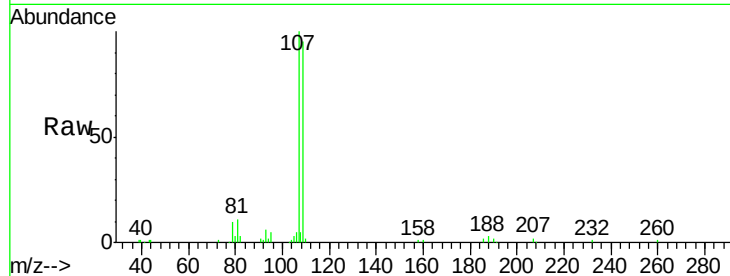
#61
 1,2-Dibromoethane
 Concen: 21.927 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion: 107 Resp: 68649
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.6 115.0

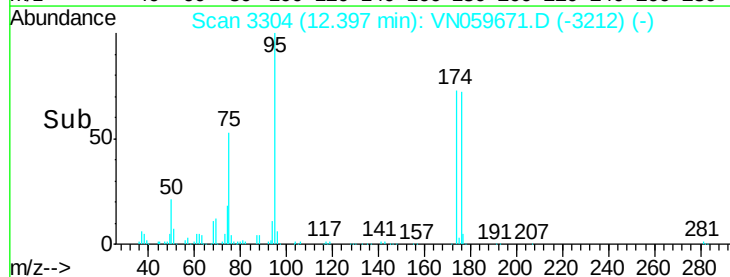
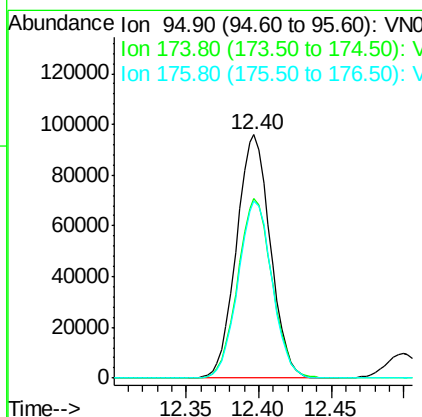
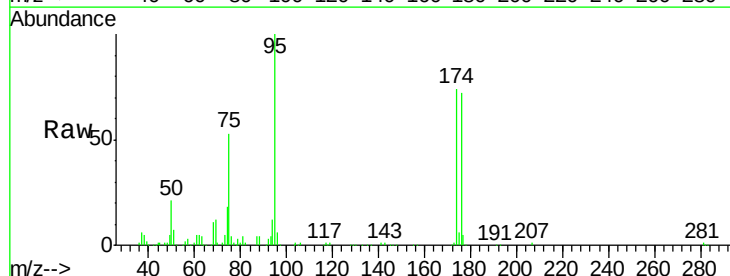
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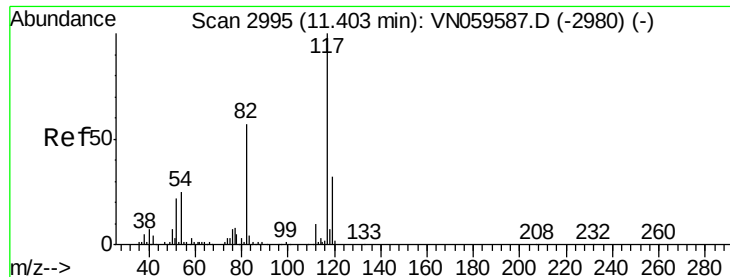
apatel
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#62
 4-Bromofluorobenzene
 Concen: 42.993 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 95 Resp: 156127
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 151.4
 176 73.0 0.0 146.0





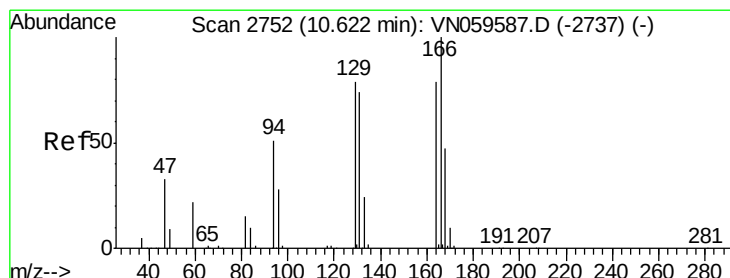
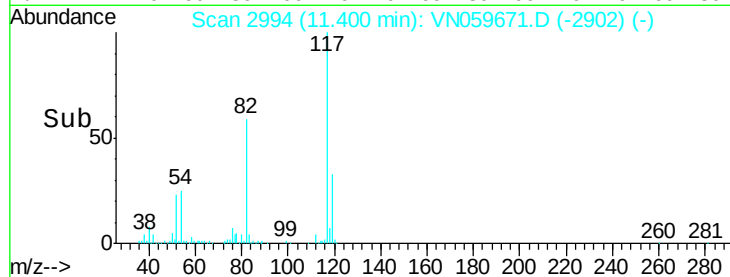
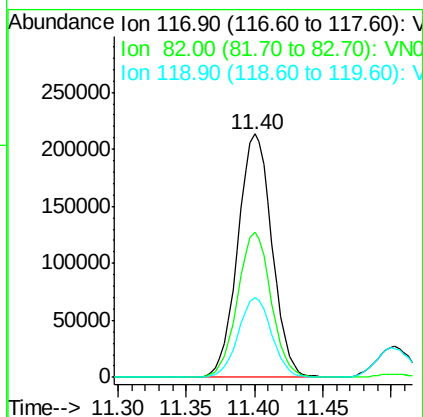
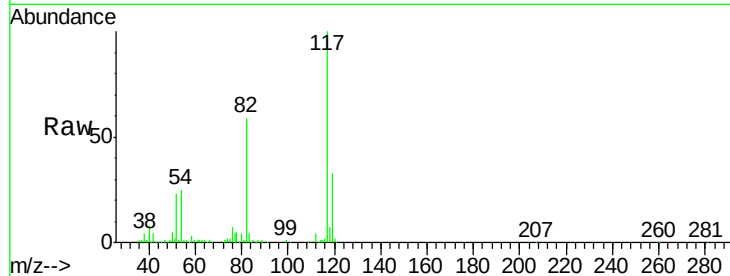
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371236		
82	59.5		45.9	68.9
119	32.8		25.5	38.3

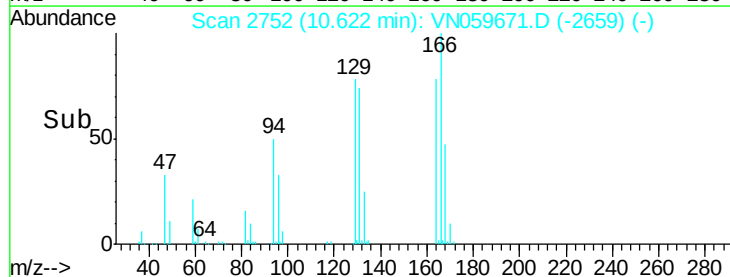
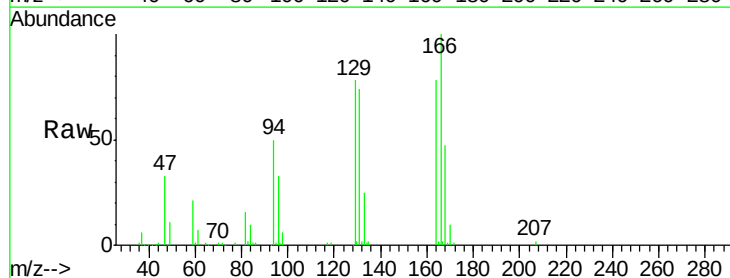
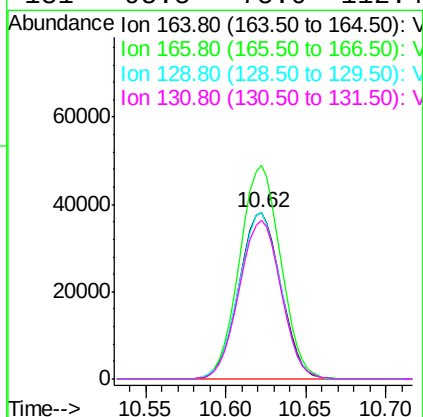
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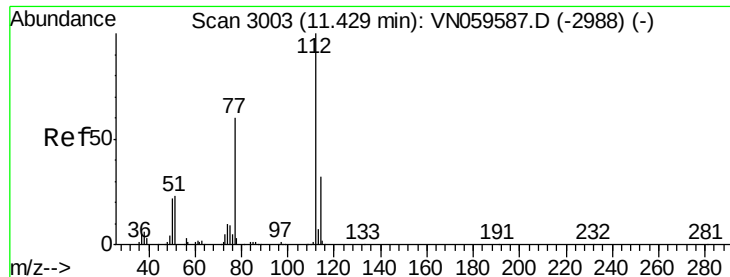
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#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67968		
166	128.4		101.4	152.0
129	99.7		80.2	120.4
131	95.5		75.0	112.4





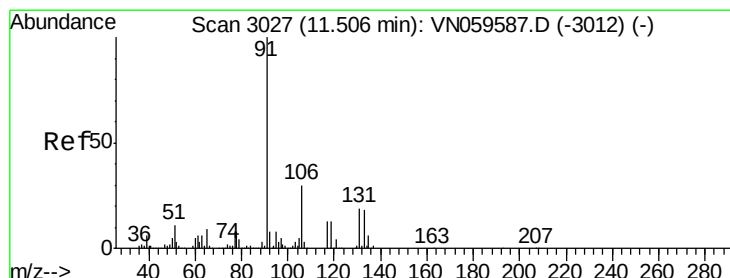
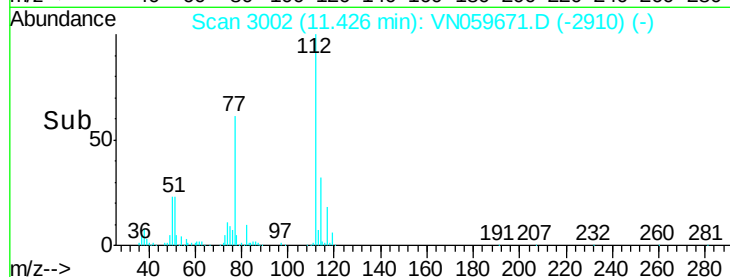
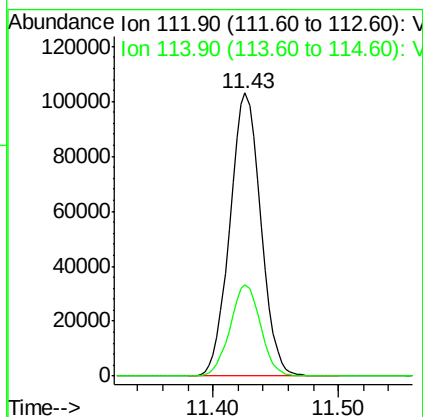
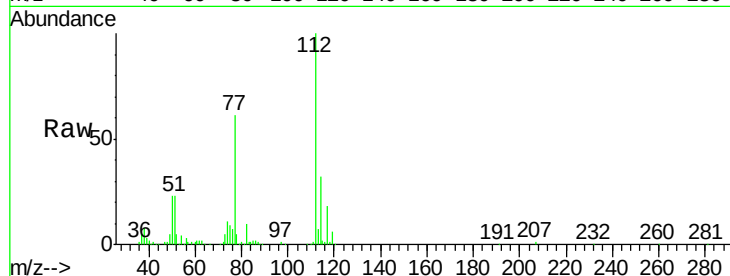
#65
Chlorobenzene
Concen: 21.967 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion:112 Resp: 176455
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

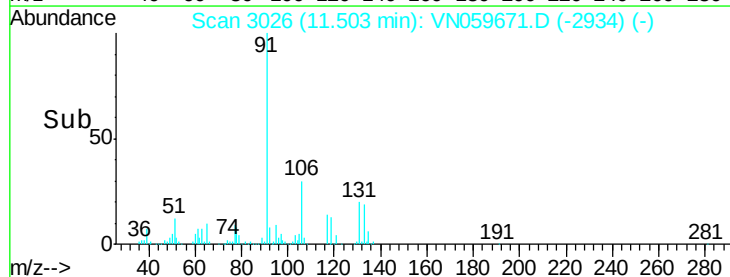
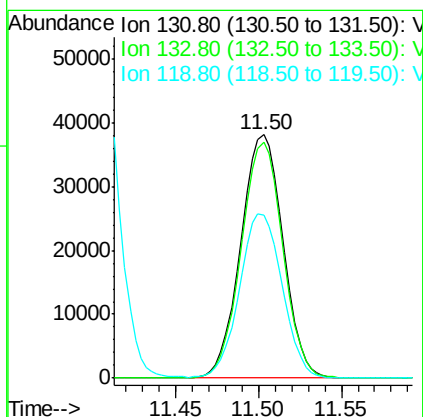
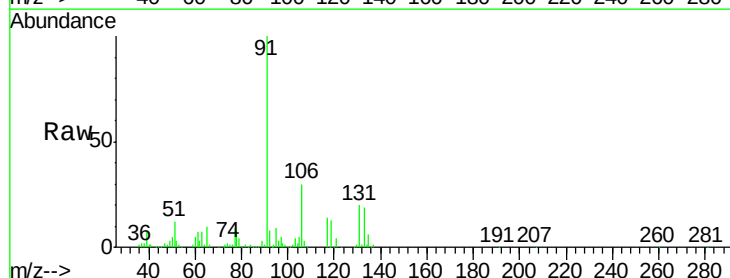
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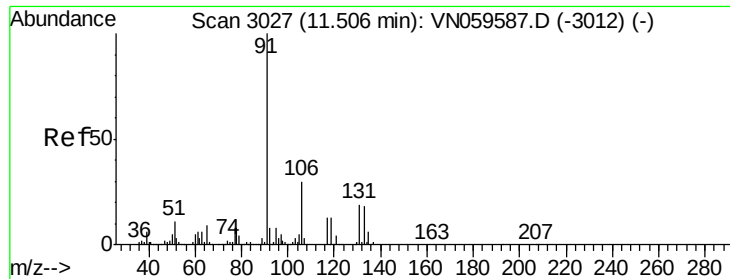
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.272 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion:131 Resp: 67954
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 67.9 33.1 99.3





#67

Ethyl Benzene

Concen: 22.338 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 91 Resp: 323885

Ion Ratio Lower Upper

91 100

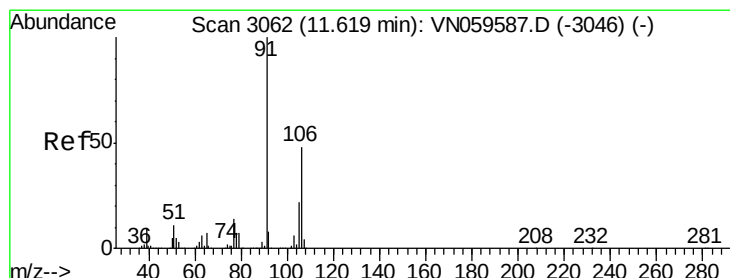
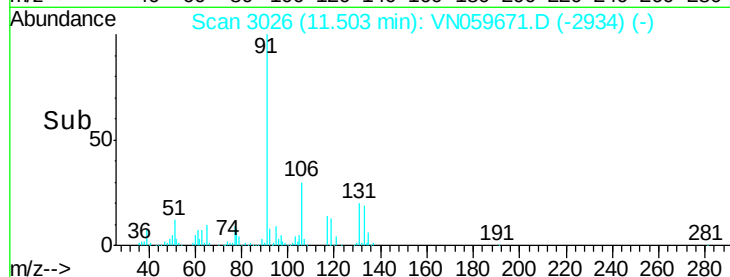
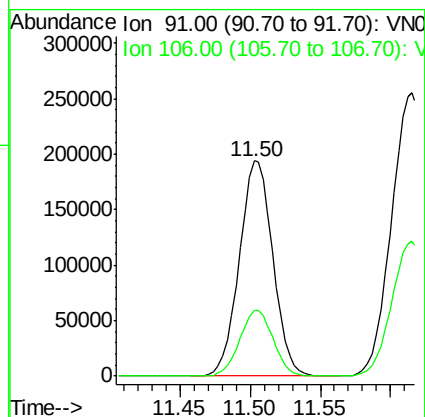
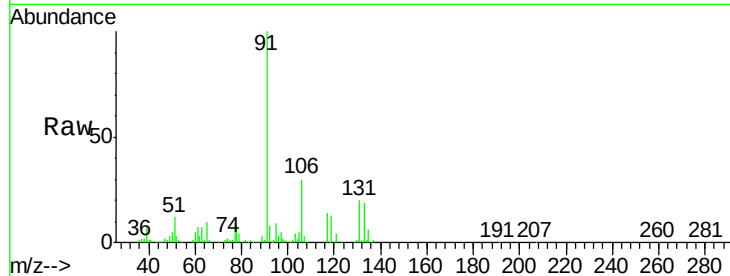
106 30.3 24.1 36.1

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#68

m/p-Xylenes

Concen: 43.933 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059671.D

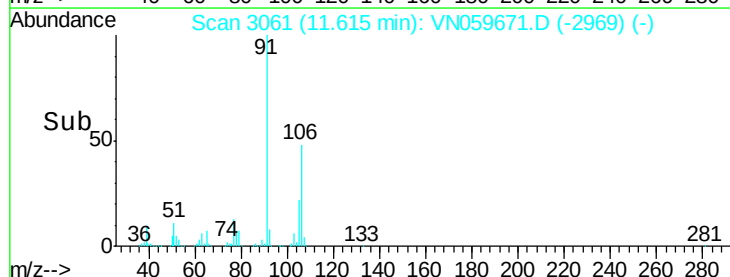
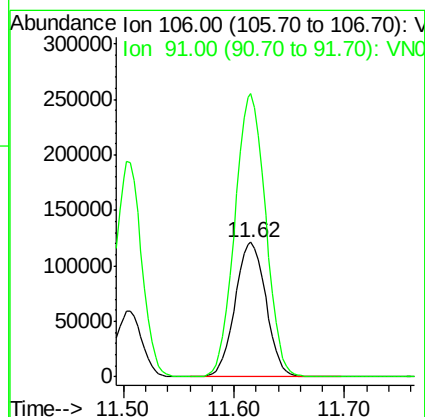
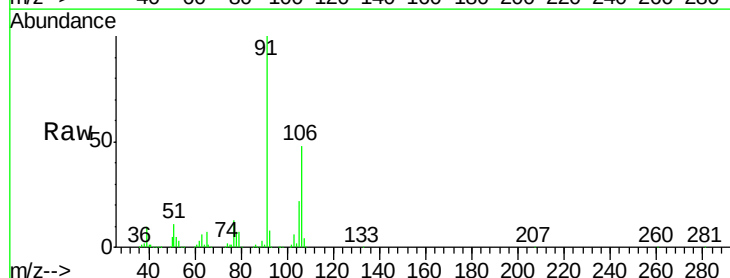
Acq: 19 Dec 2019 15:03

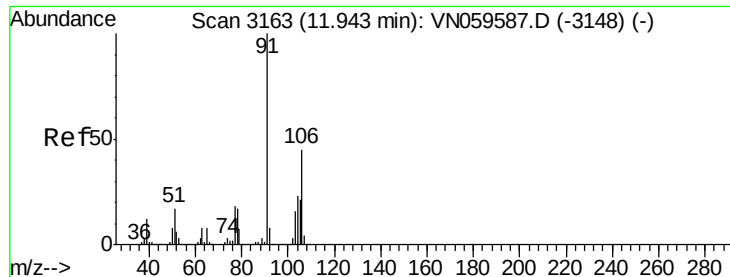
Tgt Ion: 106 Resp: 235222

Ion Ratio Lower Upper

106 100

91 209.6 167.9 251.9





#69

o-Xylene

Concen: 22.269 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:106 Resp: 113449

Ion Ratio Lower Upper

106 100

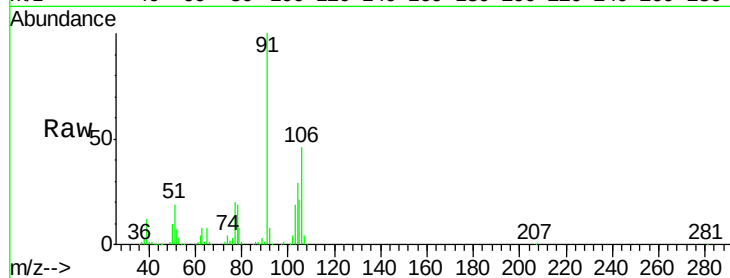
91 219.2 110.3 330.9

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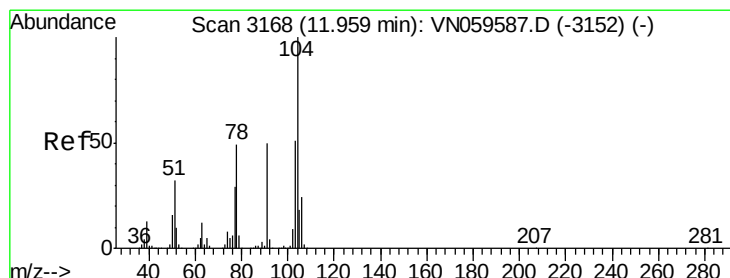
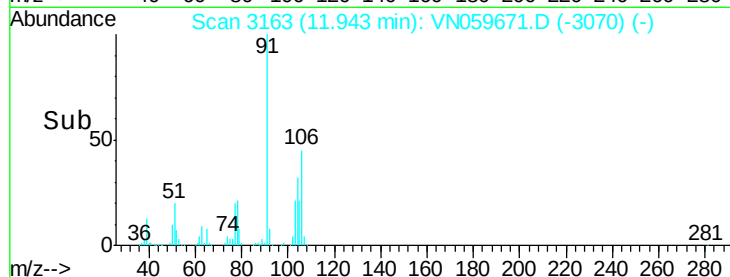
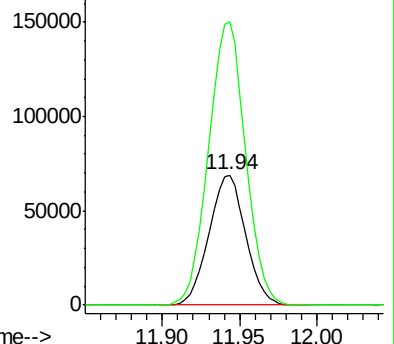
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 21.442 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

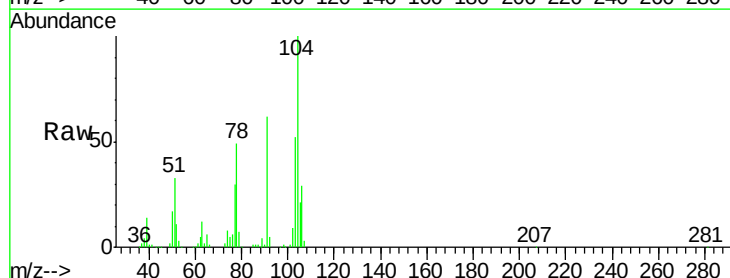
Tgt Ion:104 Resp: 175506

Ion Ratio Lower Upper

104 100

78 53.9 42.4 63.6

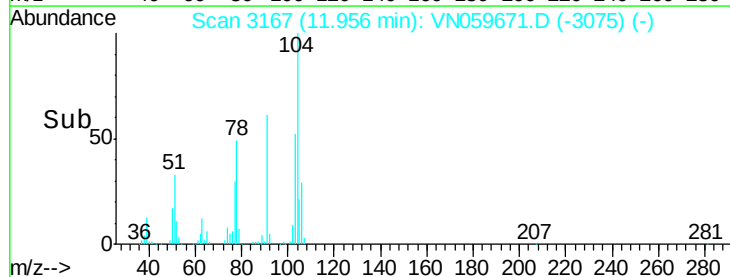
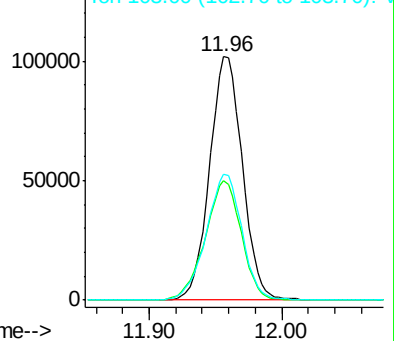
103 56.3 43.9 65.9

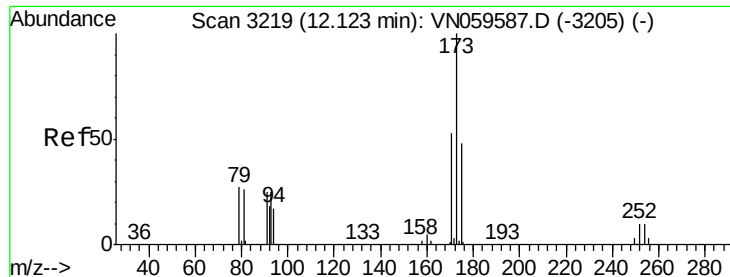


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.119 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

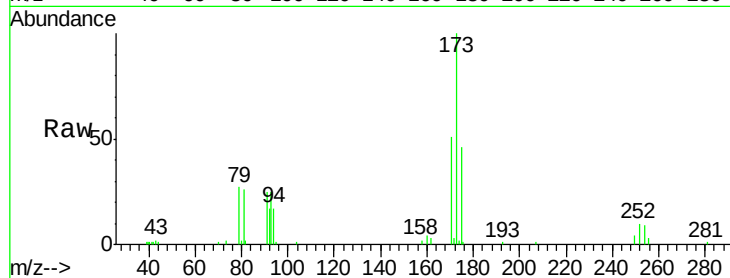
ClientSampleId :

VN1219WBSD01

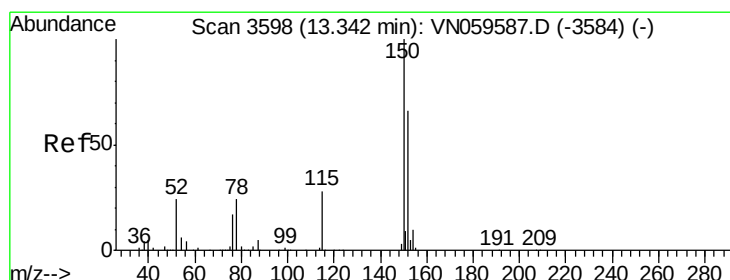
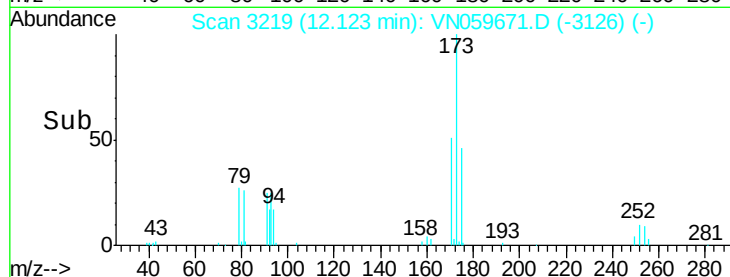
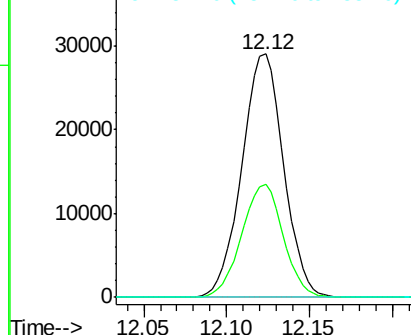
Tot Ion:	173	Resp:	50729
Ion Ratio	Lower	Upper	
173	100		
175	46.4	23.8	71.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

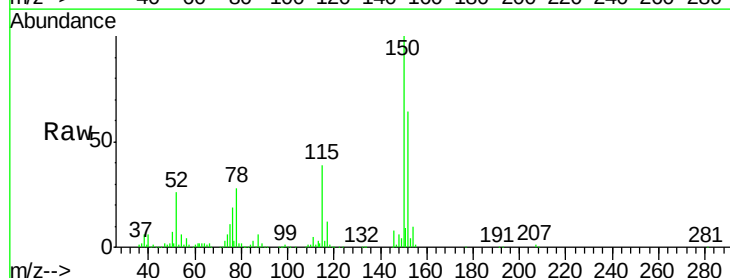
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

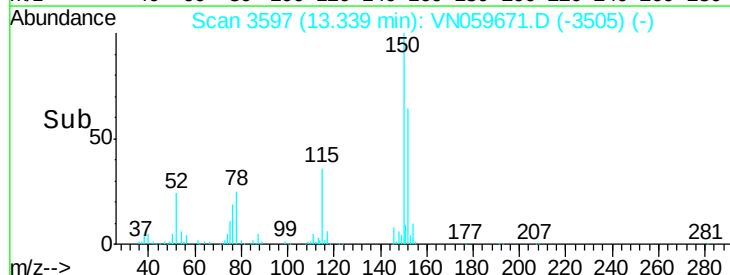
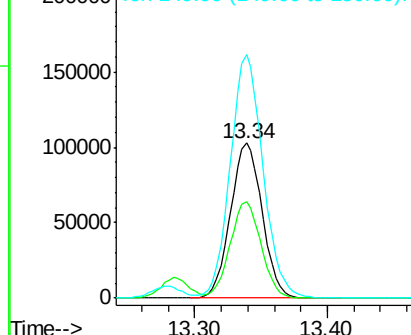
Lab File: VN059671.D

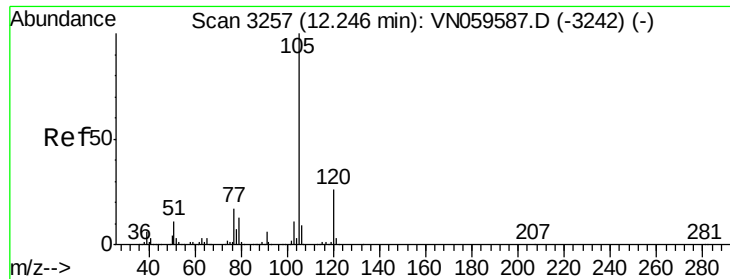
Acq: 19 Dec 2019 15:03

Tgt Ion:	152	Resp:	170367
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.3	90.9
150	162.6	0.0	345.2



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: 22.016 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 105 Resp: 294432

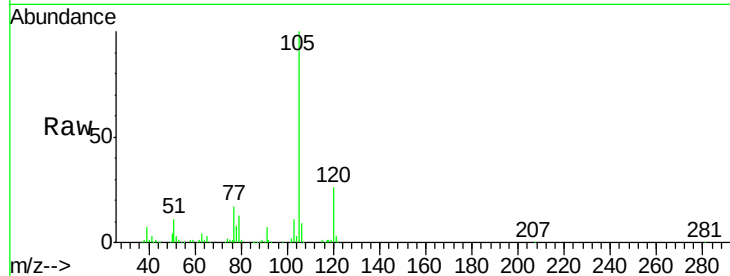
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

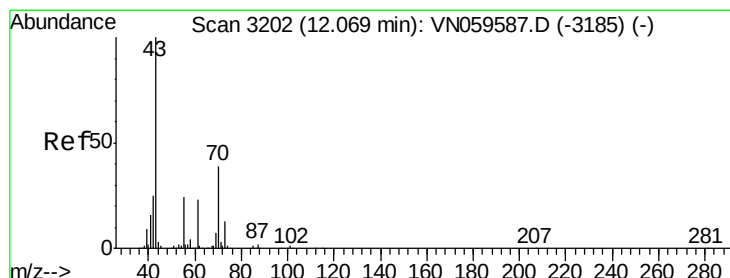
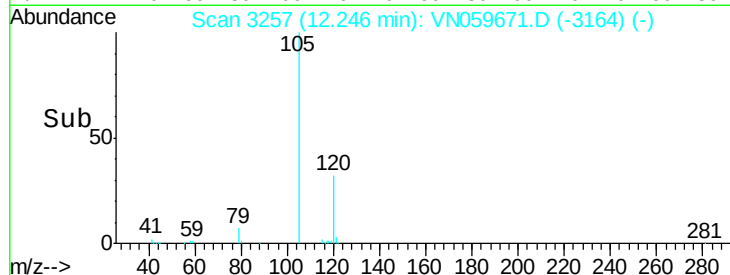
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.434 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion: 43 Resp: 131491

Ion Ratio Lower Upper

43 100

70 39.5 31.3 46.9

55 26.6 19.8 29.6

61 23.0 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

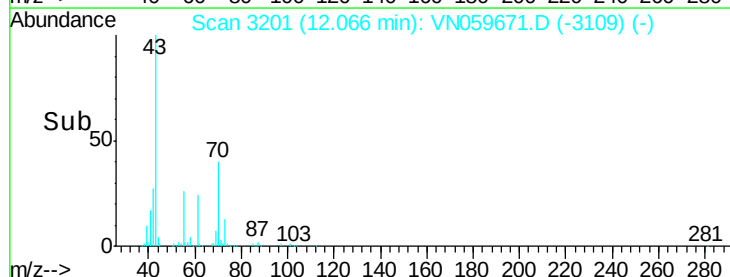
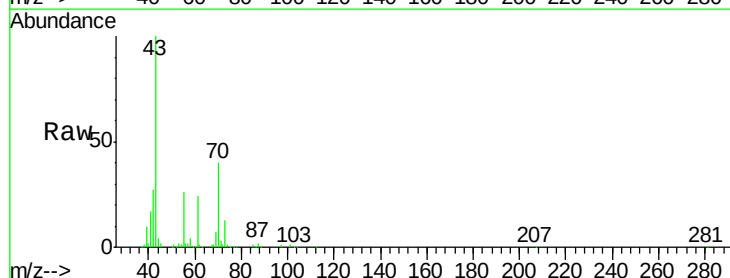
0

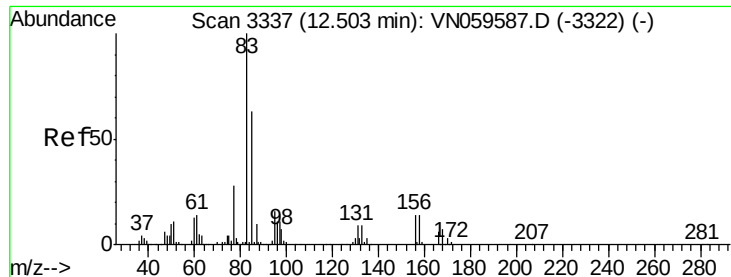
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.849 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

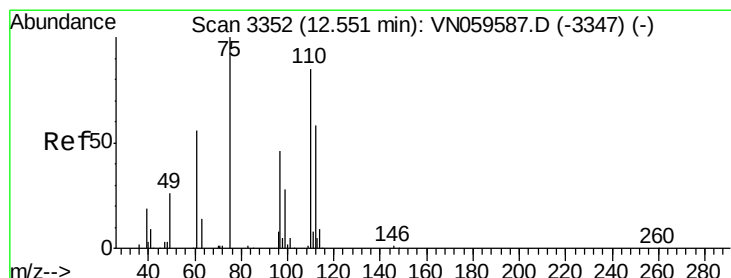
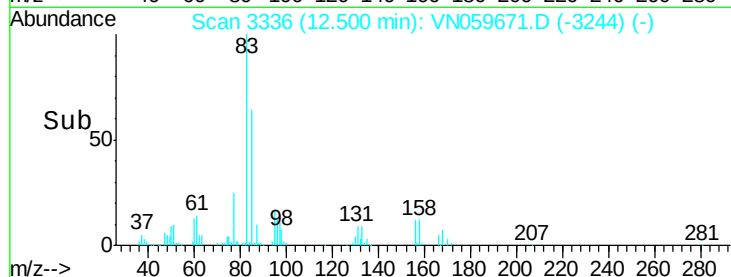
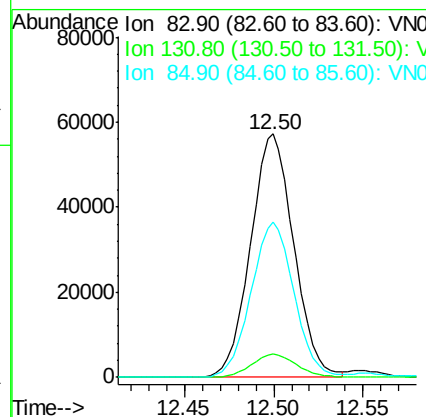
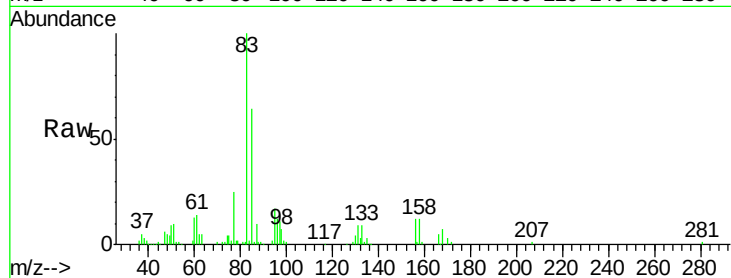
ClientSampleId :

VN1219WBSD01

Tot Ion:	83	Resp:	96932
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.2	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 23.184 ug/l m

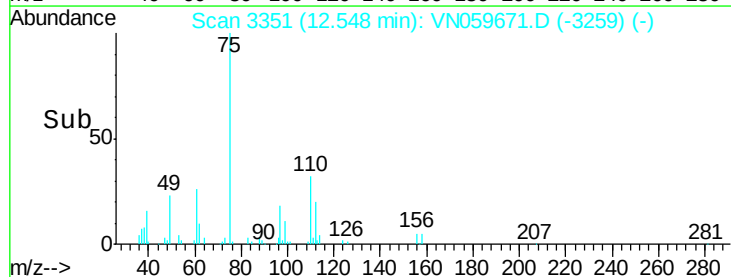
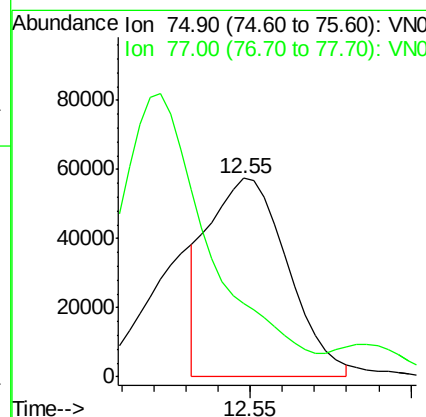
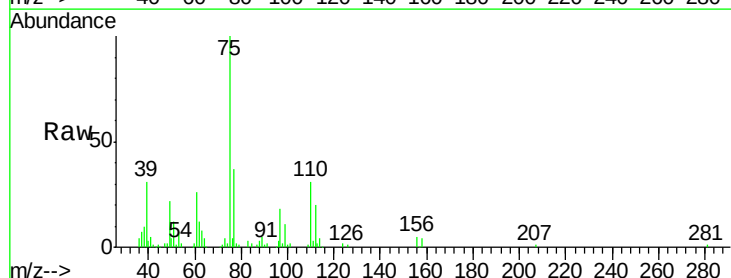
RT: 12.55 min Scan# 3351

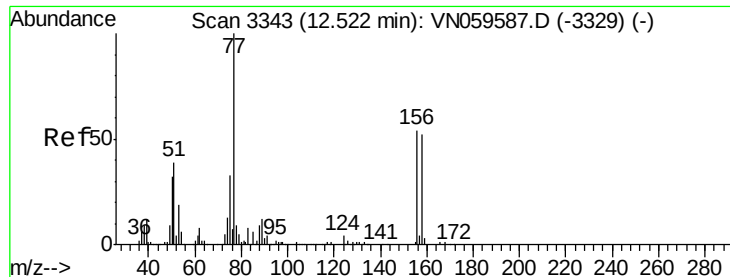
Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion:	75	Resp:	97778
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





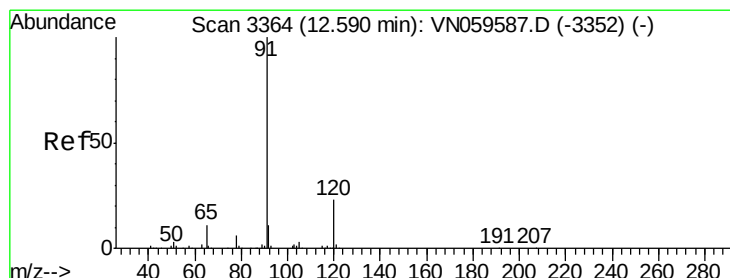
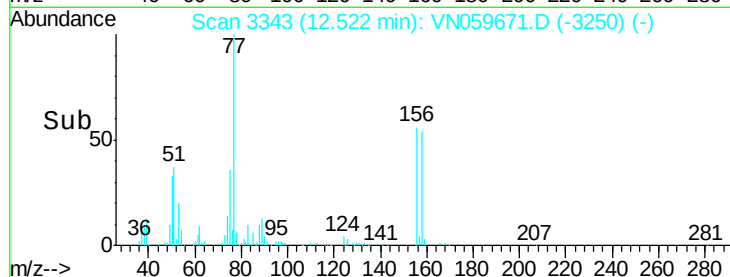
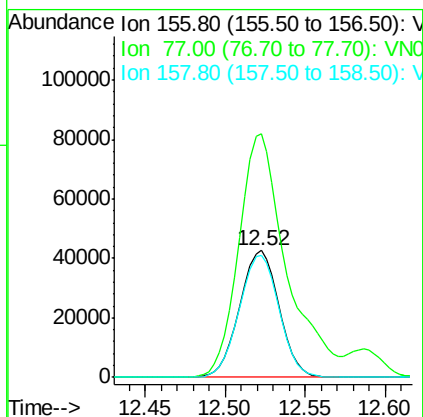
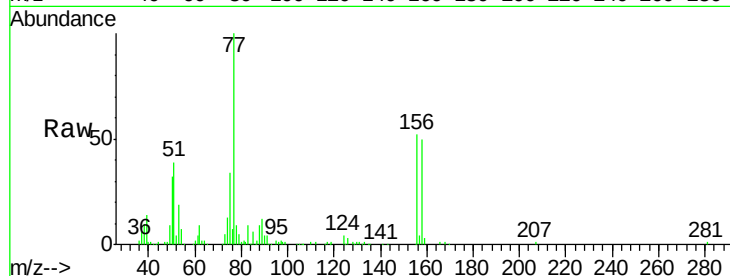
#77
Bromobenzene
Concen: 21.773 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.1	115.8	347.4
158	97.2	49.2	147.6

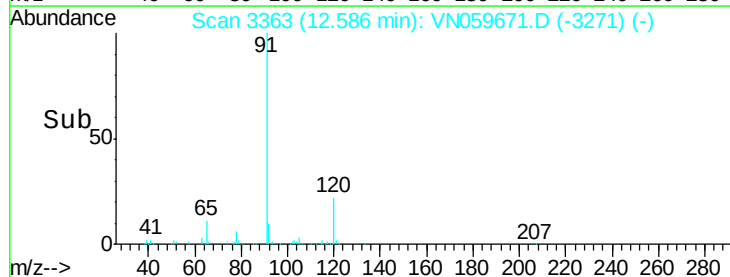
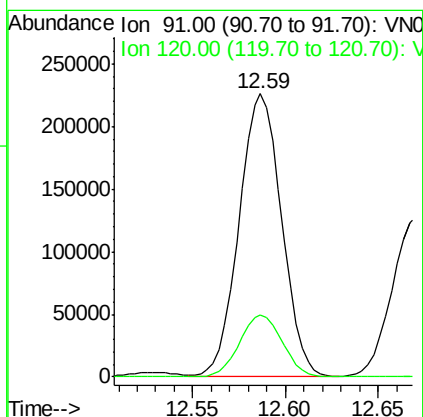
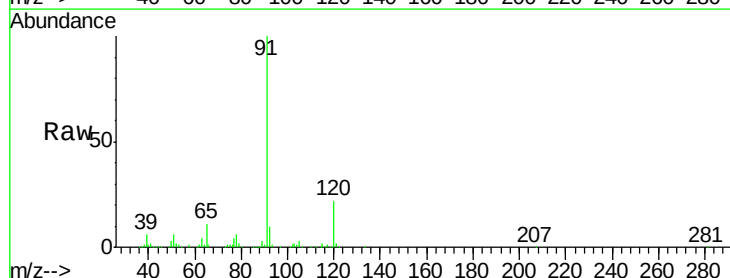
Manual Integrations
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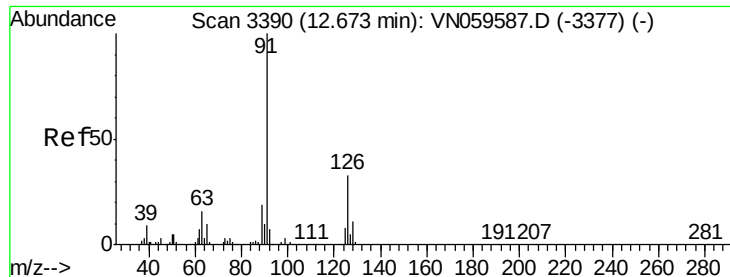
apatel
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#78
n-propylbenzene
Concen: 22.586 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





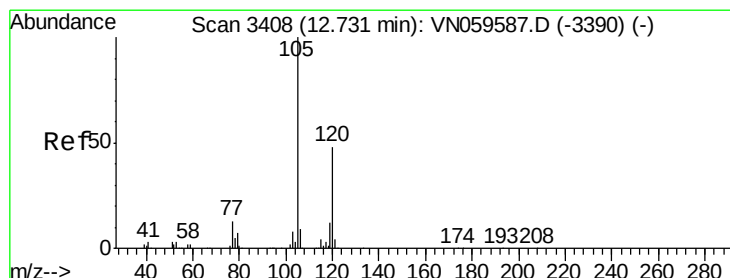
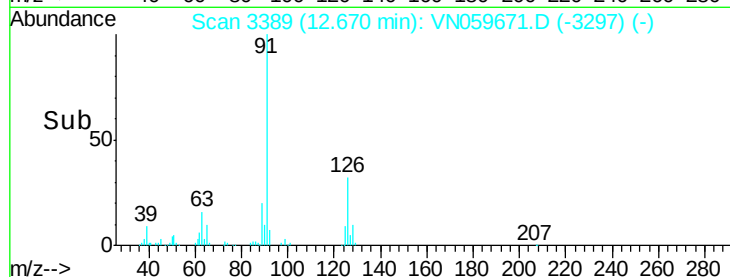
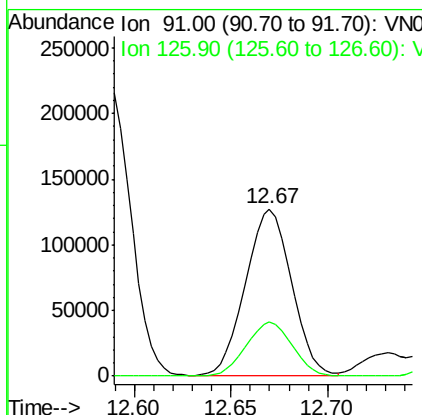
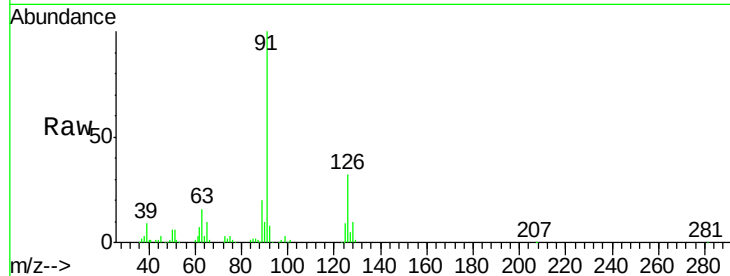
#79
 2-Chlorotoluene
 Concen: 21.973 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion: 91 Resp: 210053
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9

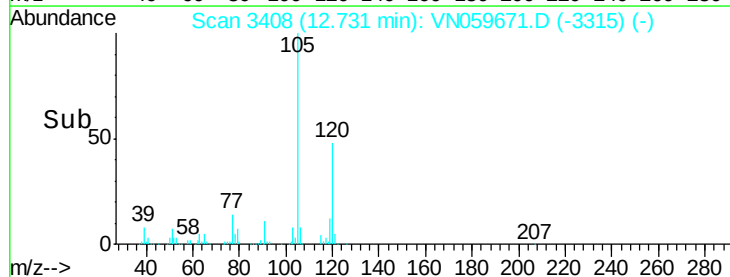
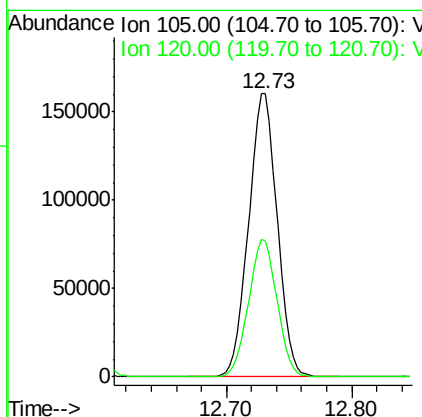
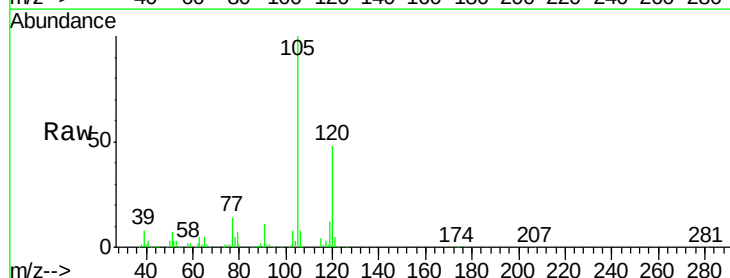
Manual Integrations
 APPROVED

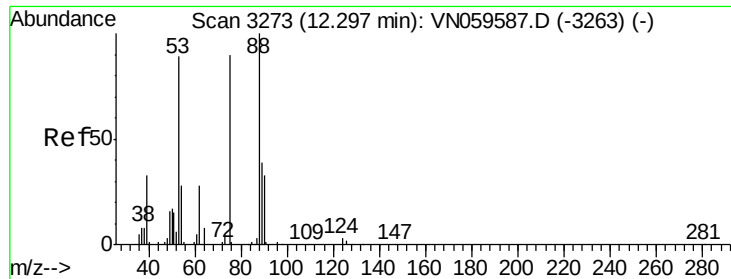
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.586 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 105 Resp: 255622
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





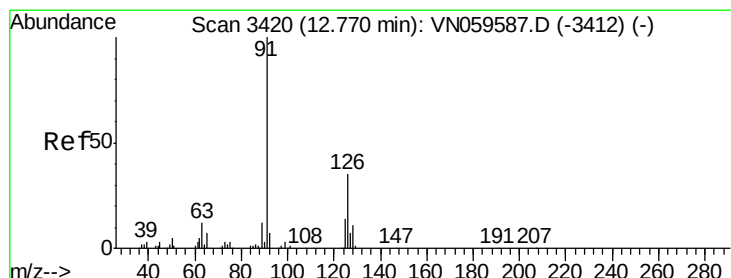
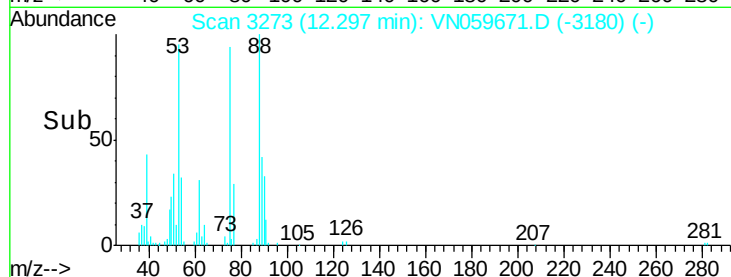
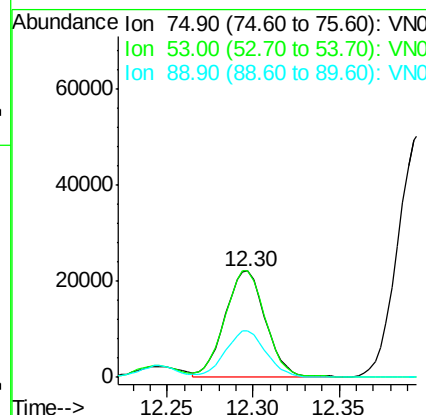
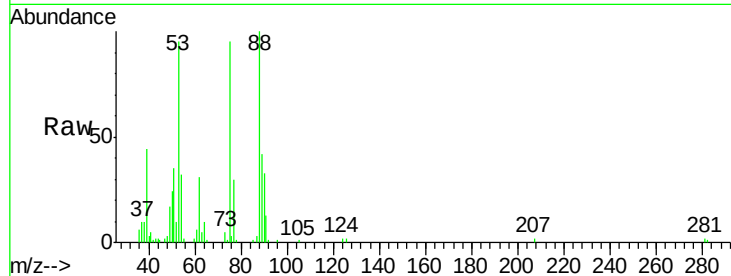
#81
trans-1,4-Dichloro-2-butene
Concen: 21.548 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	78.1	117.1
89	43.7	35.4	53.2

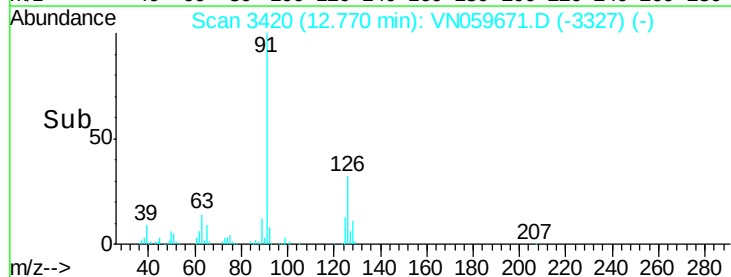
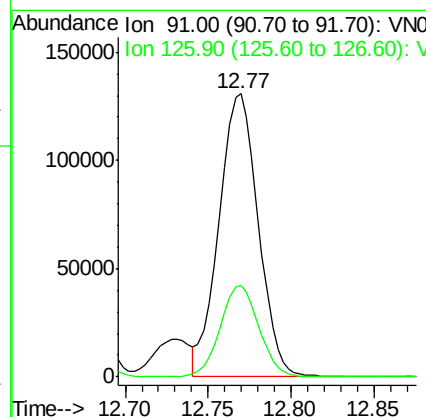
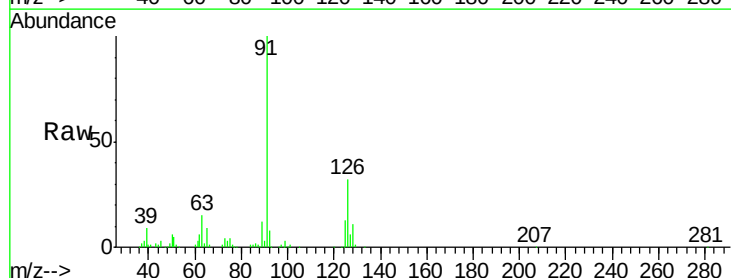
Manual Integrations
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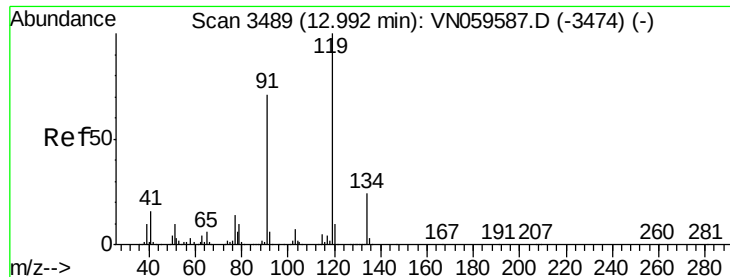
apatel
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#82
4-Chlorotoluene
Concen: 21.902 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.3	48.8





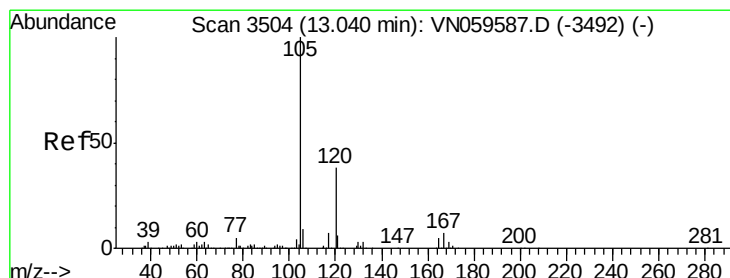
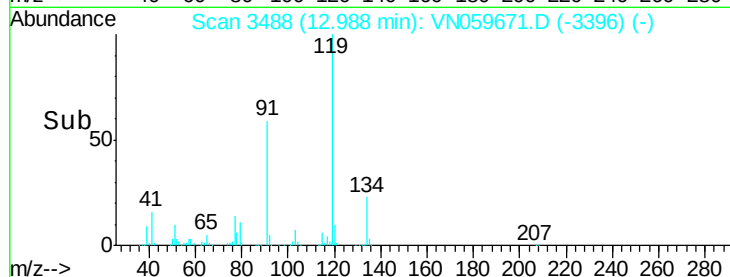
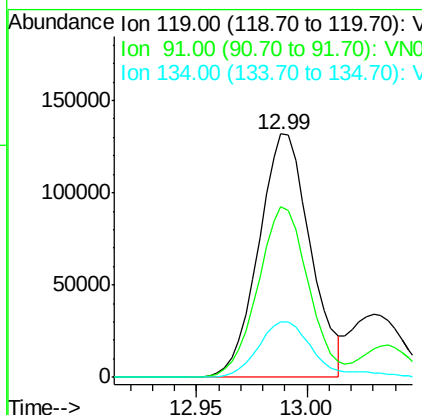
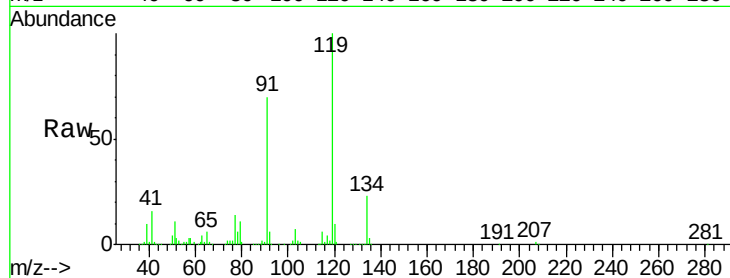
#83
 tert-Butylbenzene
 Concen: 22.257 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.8	104.4
134	25.1	12.3	36.9

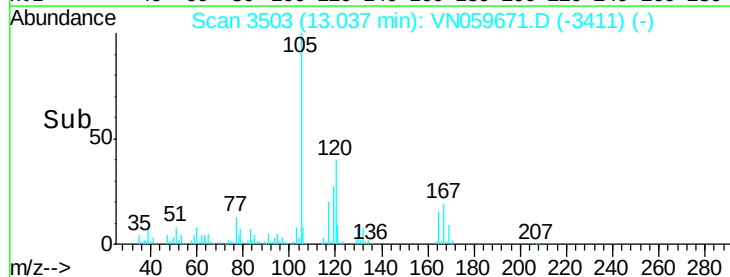
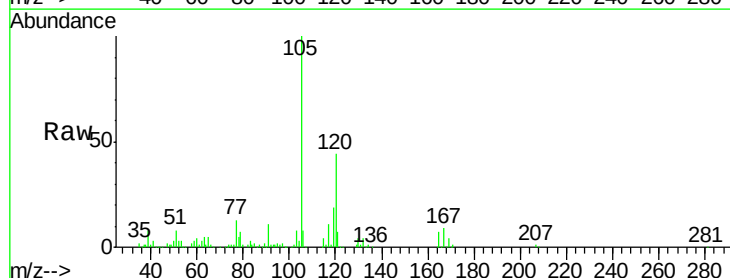
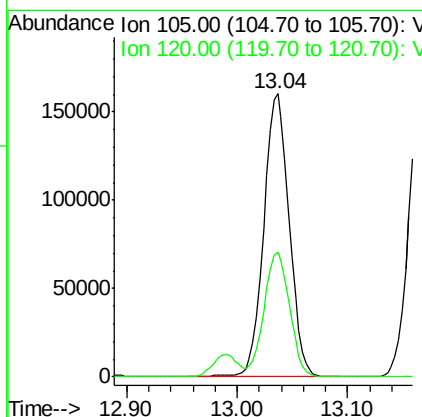
Manual Integrations
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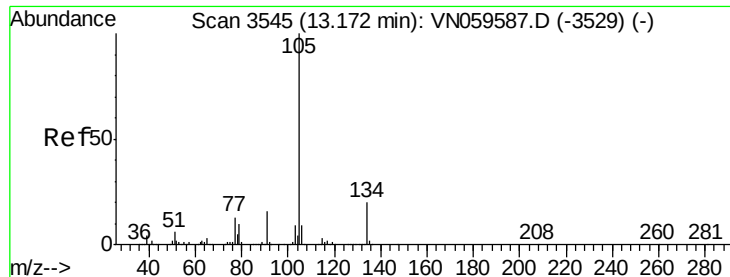
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.743 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 22.893 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:105 Resp: 291875

Ion Ratio Lower Upper

105 100

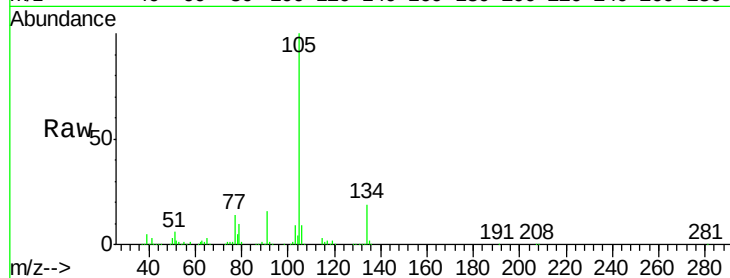
134 18.9 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

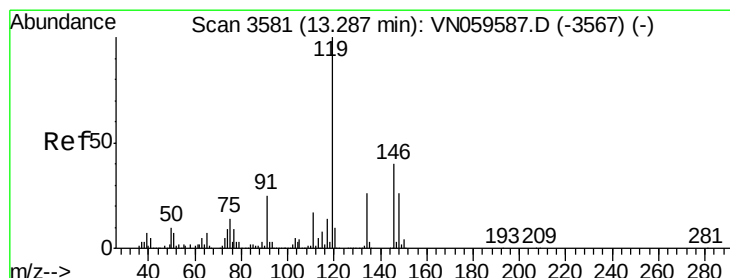
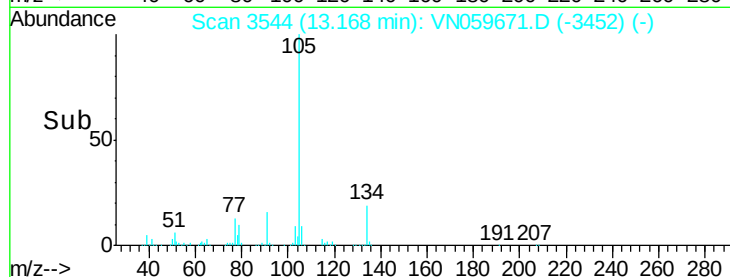
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 22.243 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

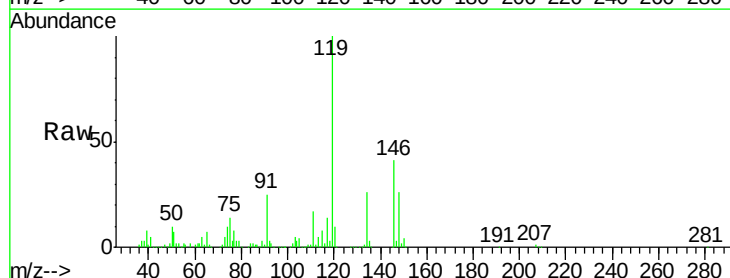
Tgt Ion:119 Resp: 256843

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

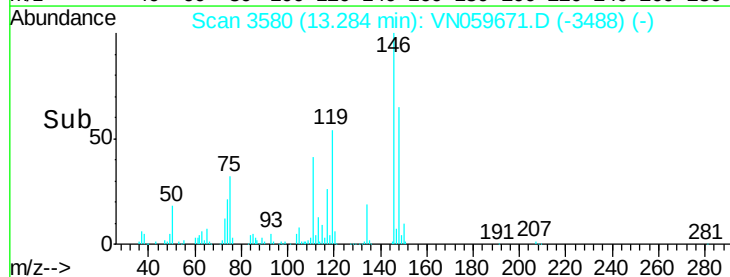
100000

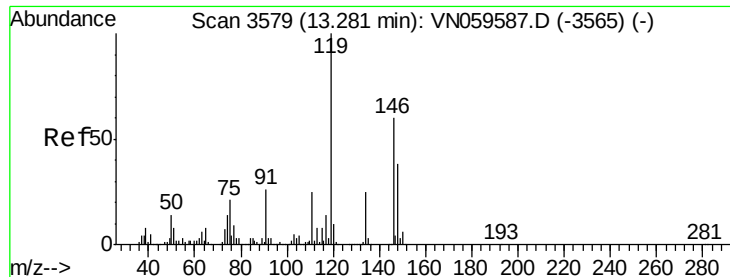
50000

0

13.20 13.25 13.30 13.35

Time-->





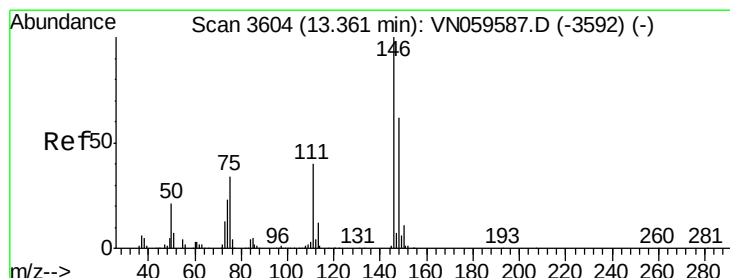
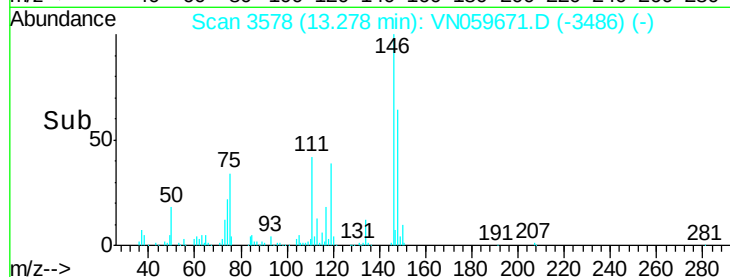
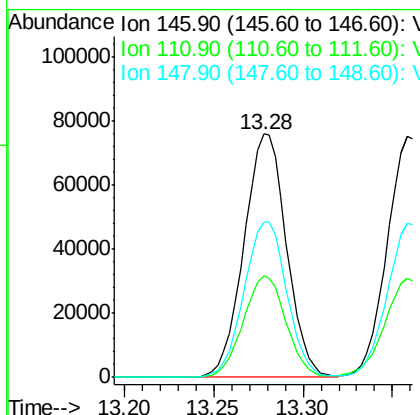
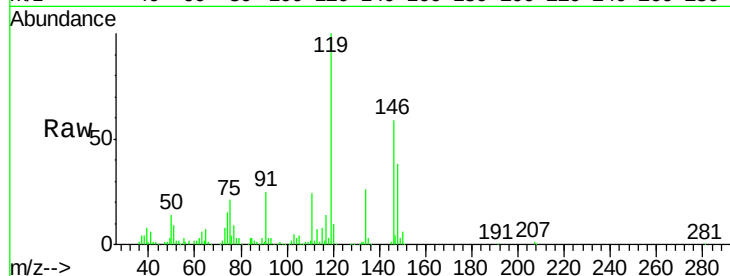
#87
1,3-Dichlorobenzene
Concen: 20.878 ug/l
RT: 13.28 min Scan# 3578
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.2
148	64.3	32.0	96.0

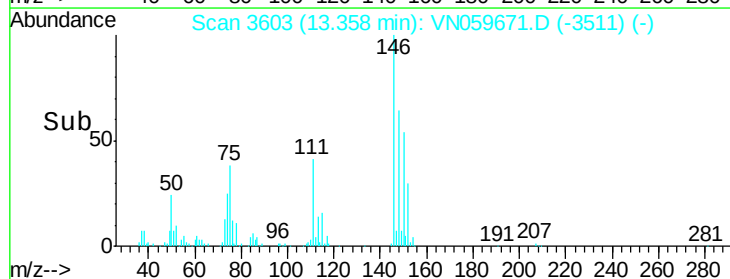
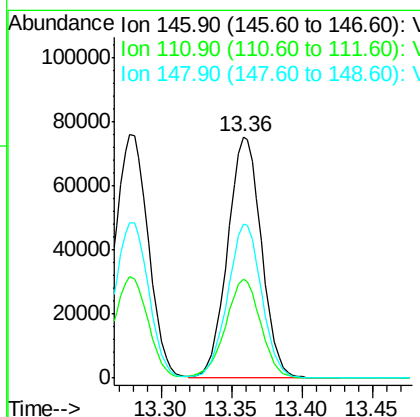
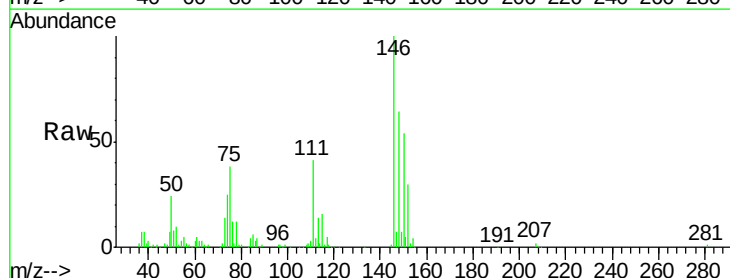
Manual Integrations
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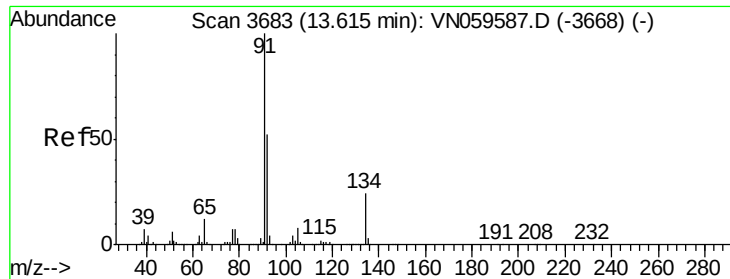
apatel
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#88
1,4-Dichlorobenzene
Concen: 20.653 ug/l
RT: 13.36 min Scan# 3603
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	63.9	31.8	95.4





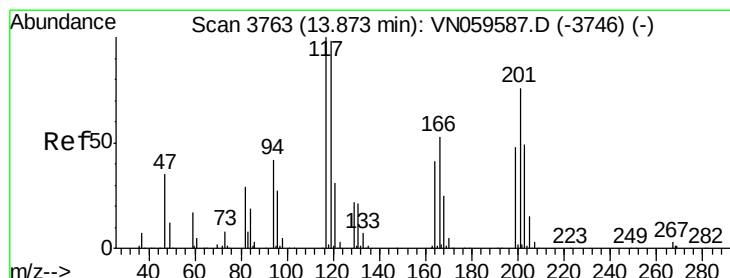
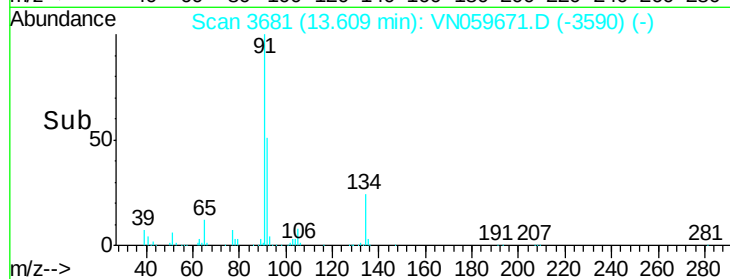
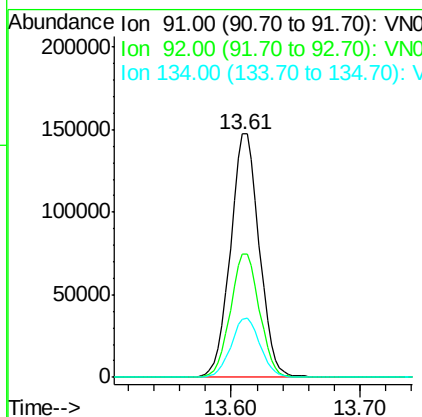
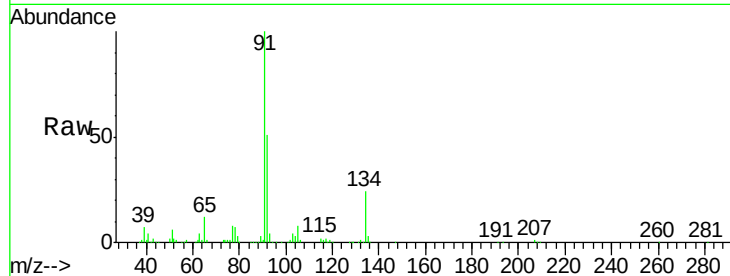
#89
n-Butylbenzene
Concen: 21.115 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.01 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	228585		
92	51.2		25.9	77.7
134	24.5		12.3	36.8

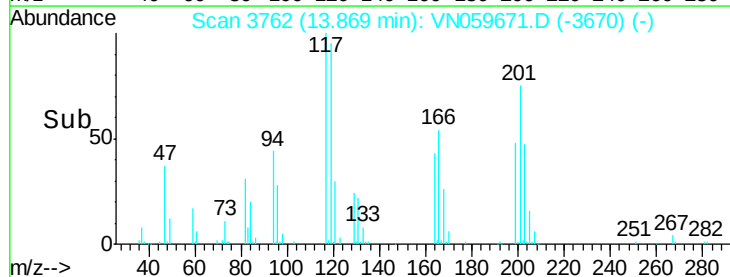
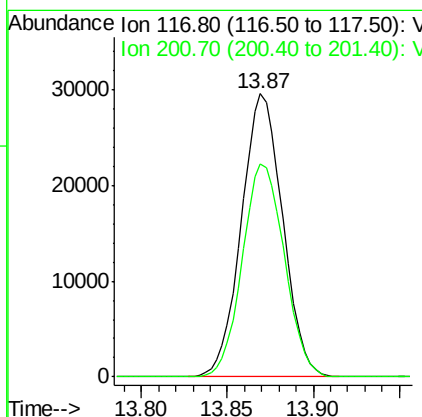
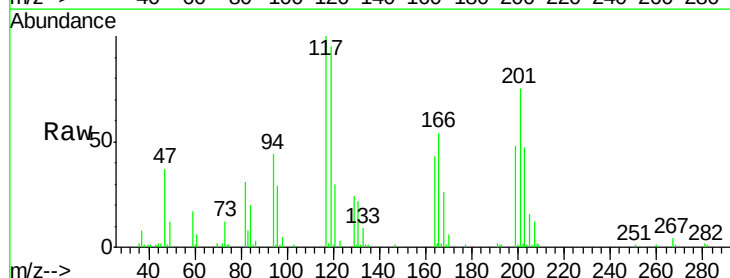
Manual Integrations
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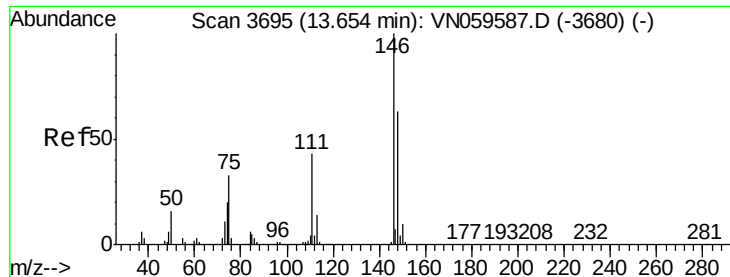
apatel
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#90
Hexachloroethane
Concen: 22.550 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49218		
201	76.5		37.8	113.4





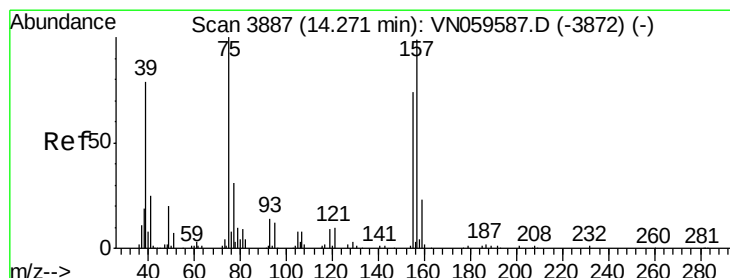
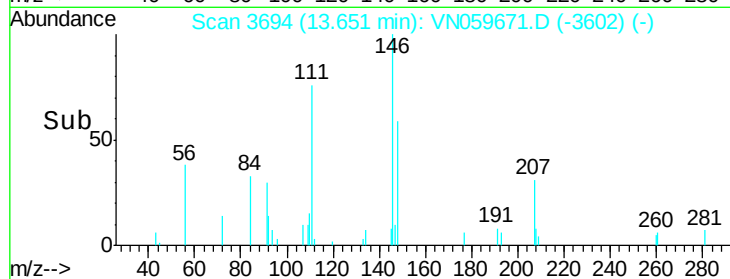
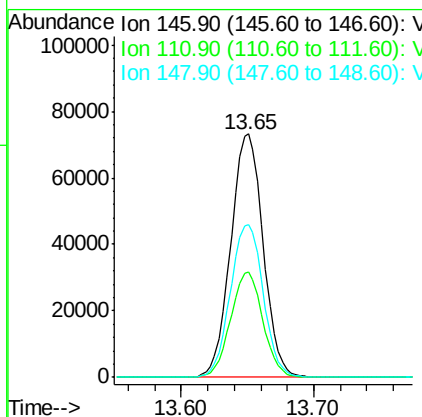
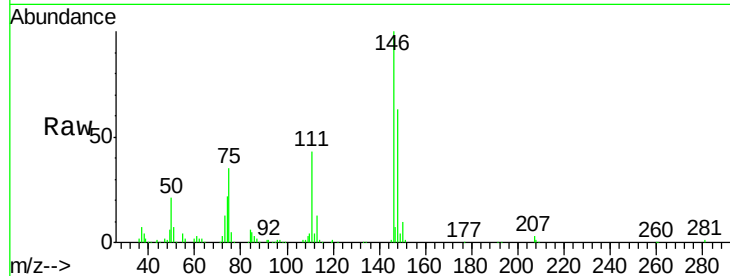
#91
 1,2-Dichlorobenzene
 Concen: 20.809 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.8	31.6	95.0

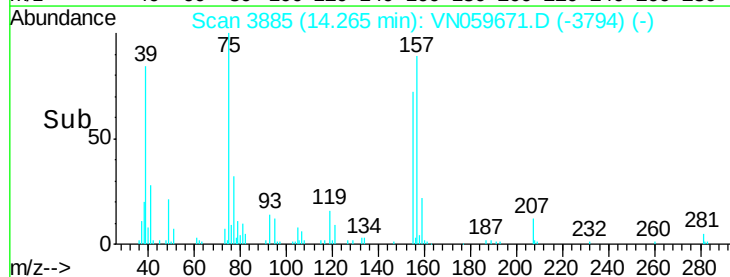
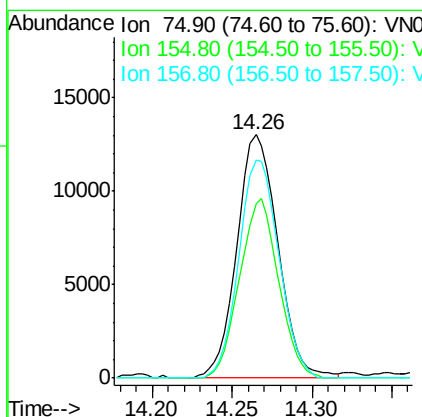
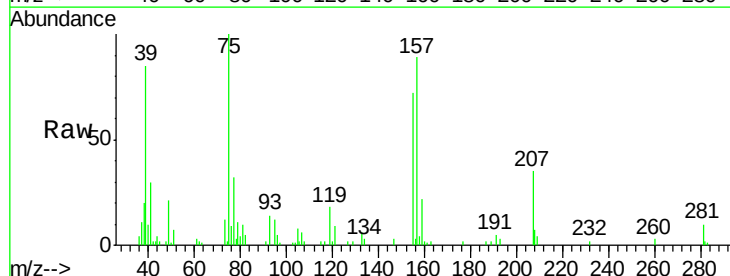
Manual Integrations
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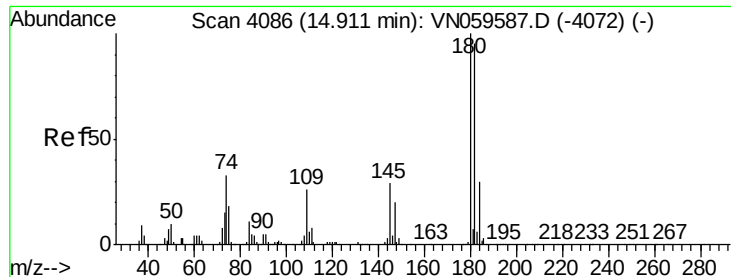
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.278 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	37.0	110.9
157	87.1	48.4	145.2





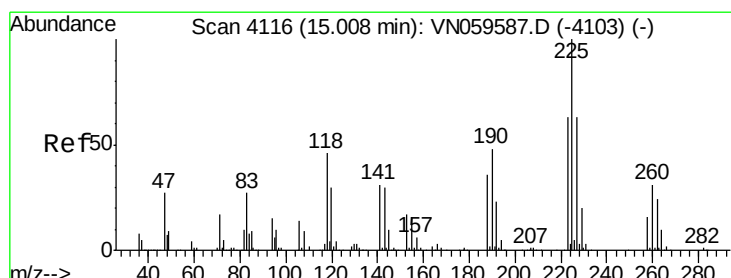
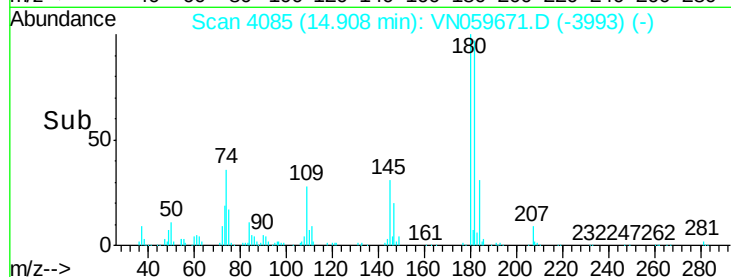
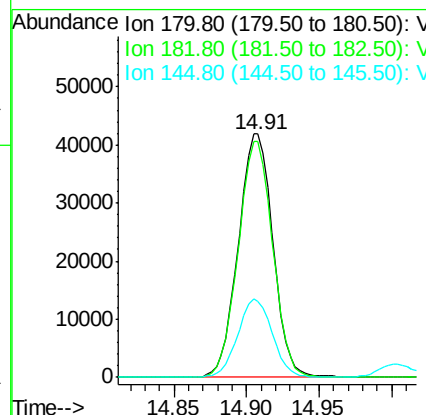
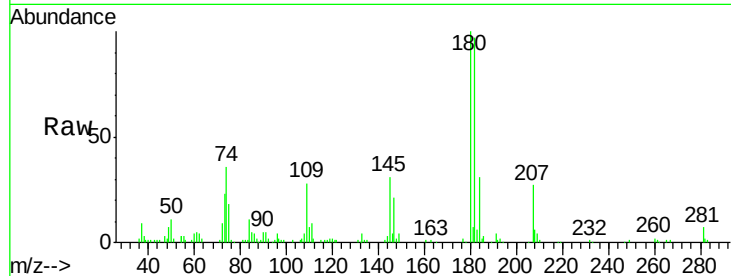
#93
1,2,4-Trichlorobenzene
Concen: 18.044 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69496		
182	96.4	46.9	140.7	
145	32.1	15.0	45.1	

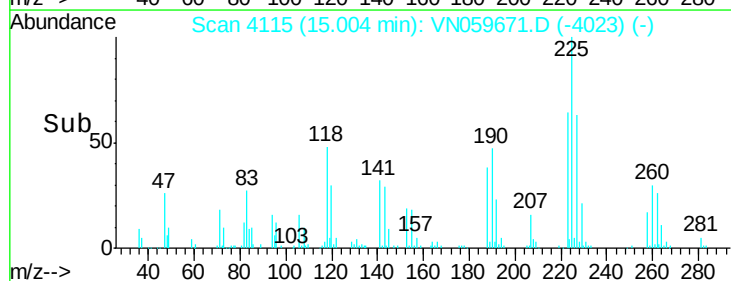
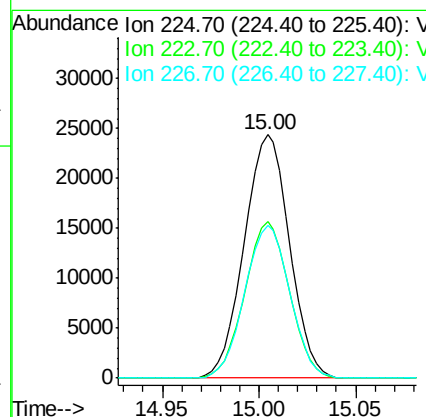
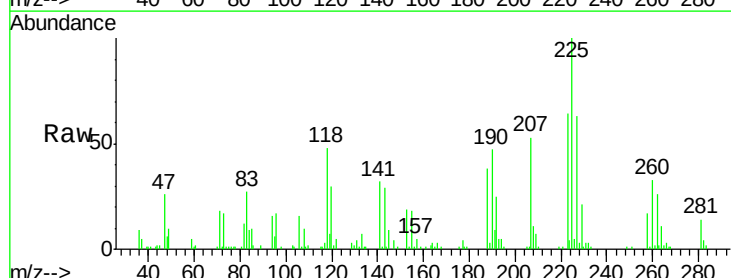
Manual Integrations
APPROVED

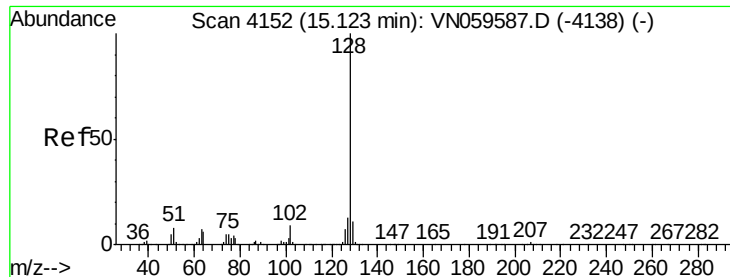
apatel
12/20/2019 9:20:36 AM



#94
Hexachlorobutadiene
Concen: 20.085 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39821		
223	63.2	31.8	95.3	
227	62.5	32.1	96.5	





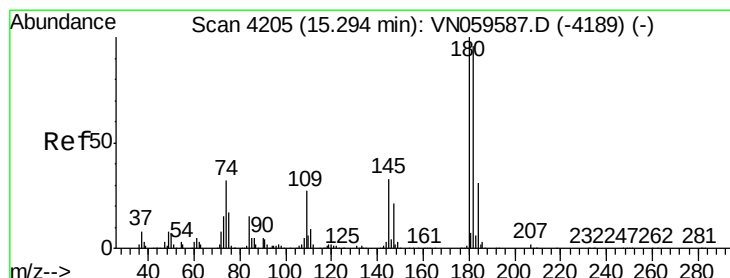
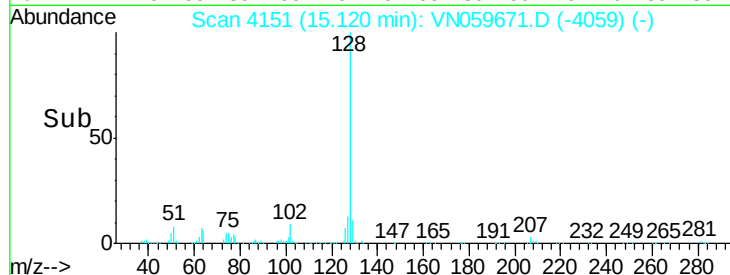
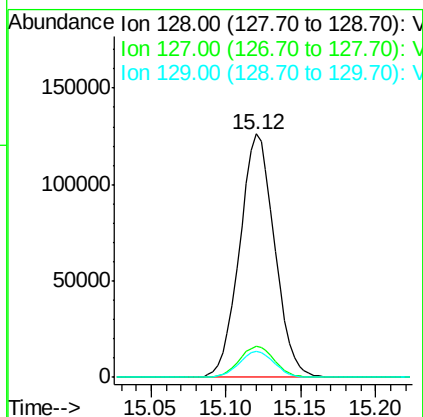
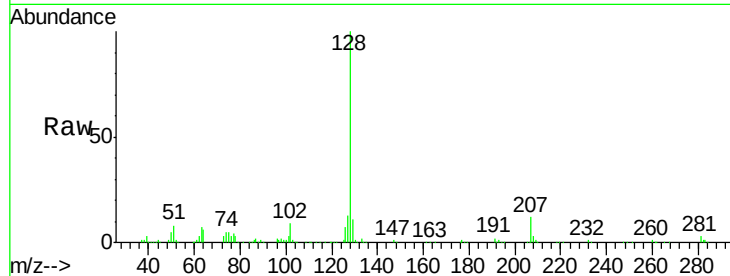
#95
Naphthalene
Concen: 17.851 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.408 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	31.9	16.3	48.9

